| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | 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 |

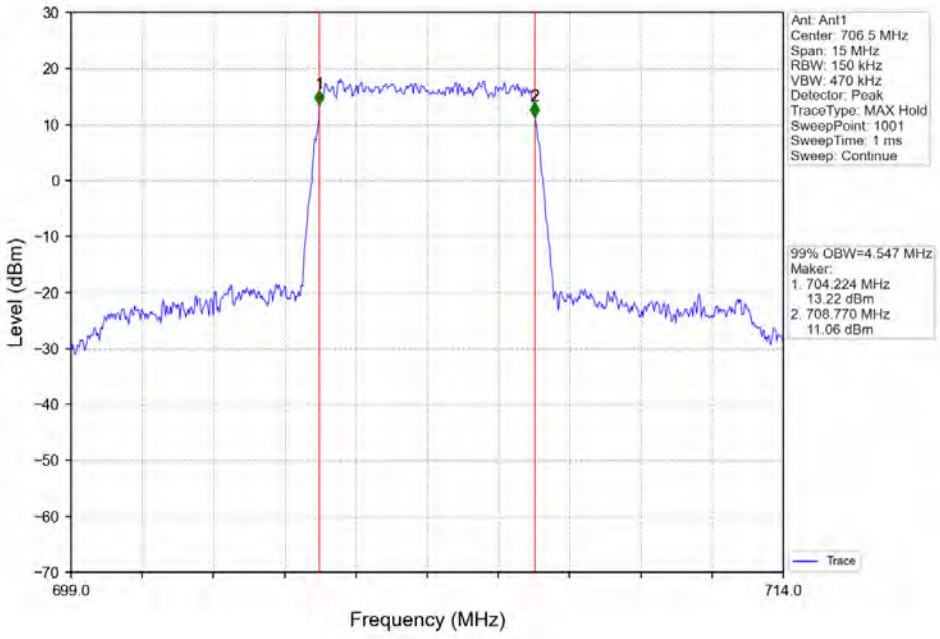
| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | 4.43 | -47.52 | -0.07 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -49.54 | -0.07 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -48.94 | -0.07 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -48.04 | -0.07 | -2.5 to 2.5 | Pass |
| | | | | 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

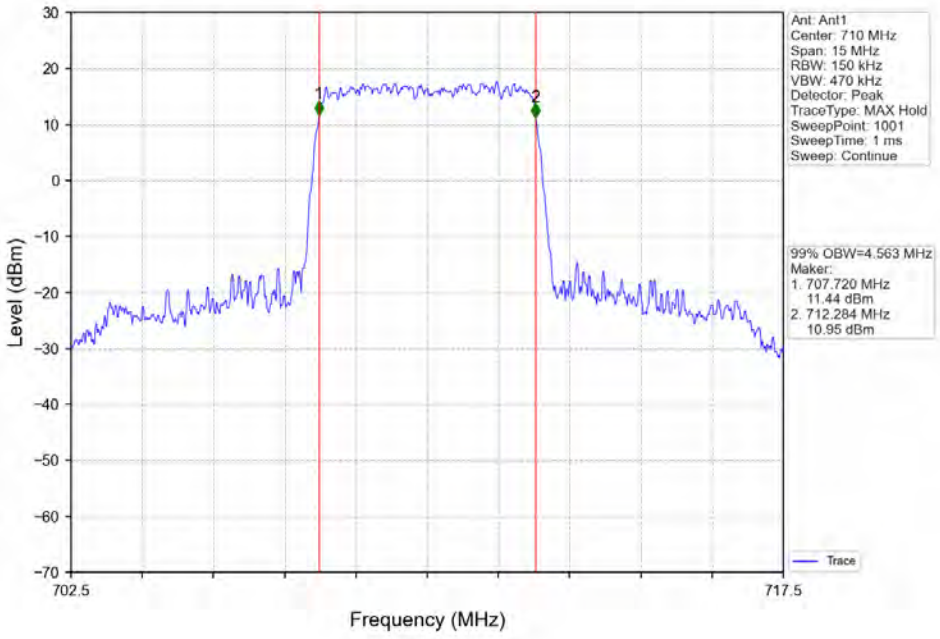
| Band: 17 / NTNV | | | | | | |
|---|---|---|---|---|---|---|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation | | 99% Occupied Bandwidth (MHz) | Verdict |
| | | | Size | Offset | Result | |
| 5 | QPSK | 706.5 | 25 | 0 | 4.547 | Pass |
| | | 710 | 25 | 0 | 4.563 | Pass |
| | | 713.5 | 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

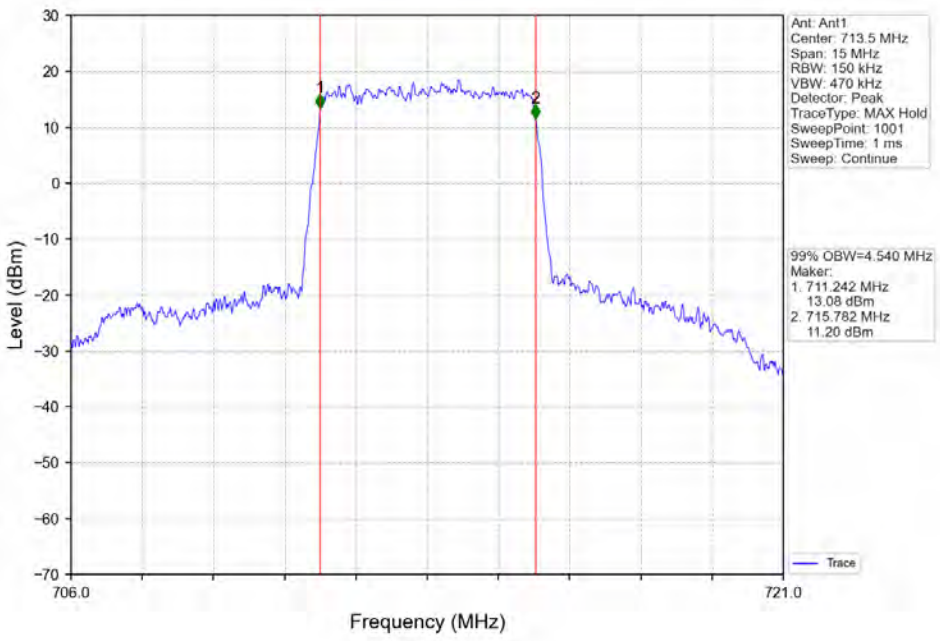
Band17_5MHz_QPSK_LCH_706.5MHz_RB_25_0_NTNV



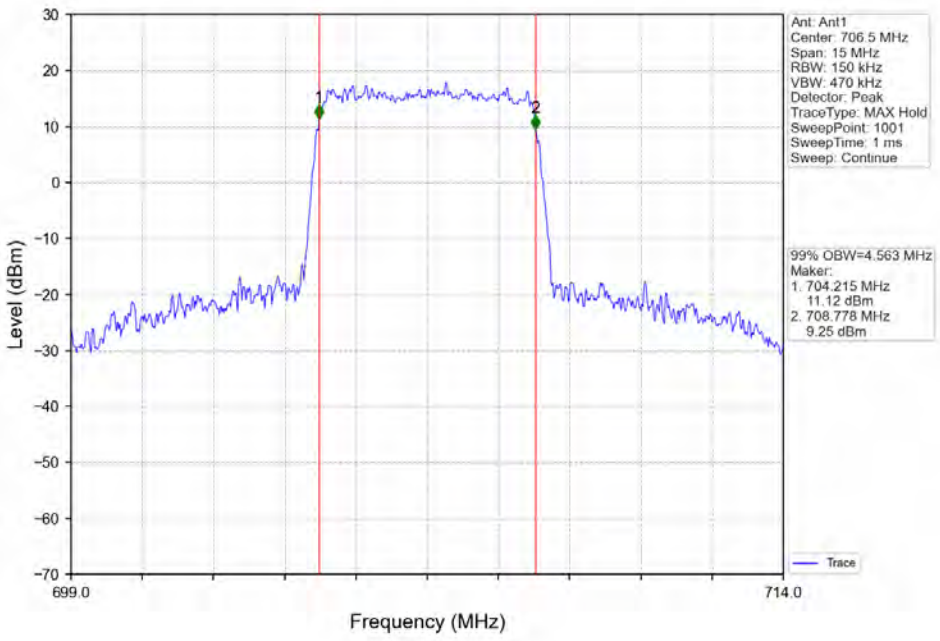

Band17_5MHz_QPSK_MCH_710MHz_RB_25_0_NTNV



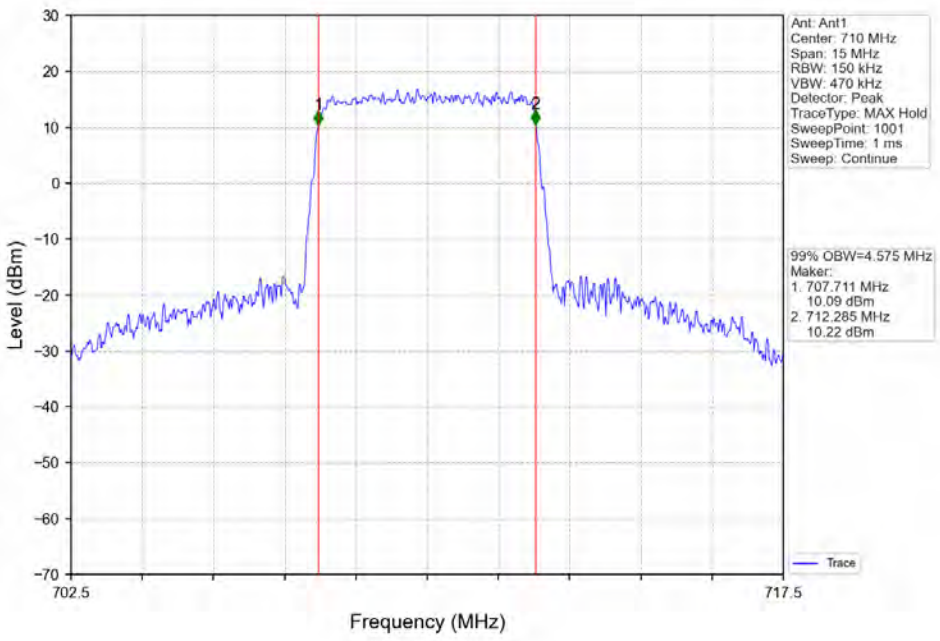
Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



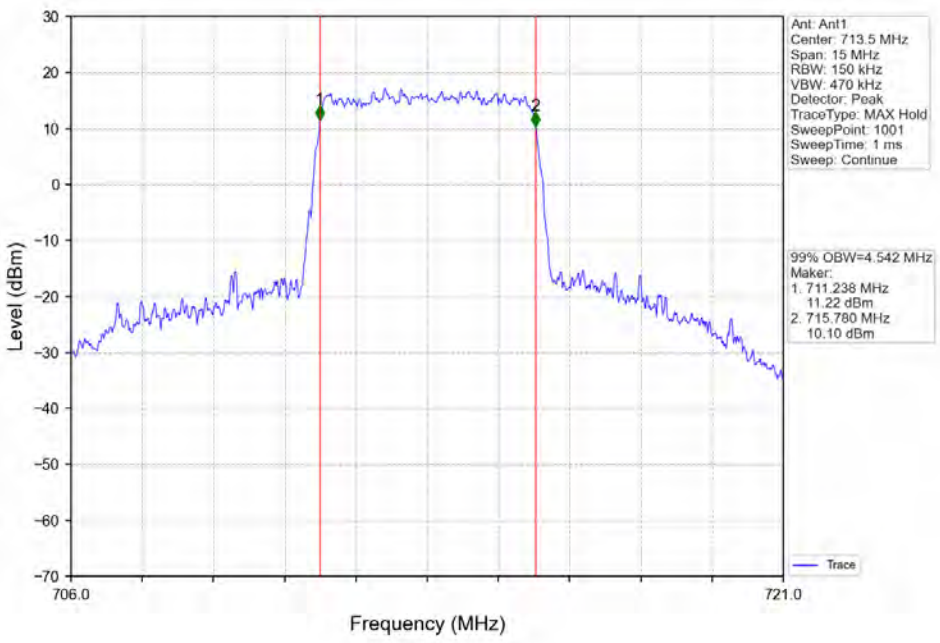

Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV



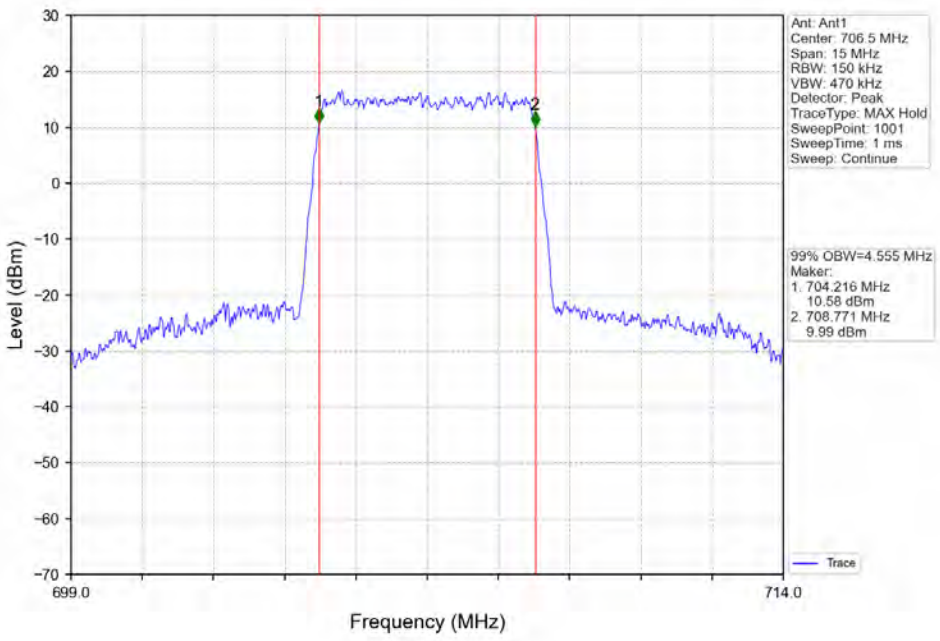
Band17_5MHz_16QAM_MCH_710MHz_RB_25_0_NTNV



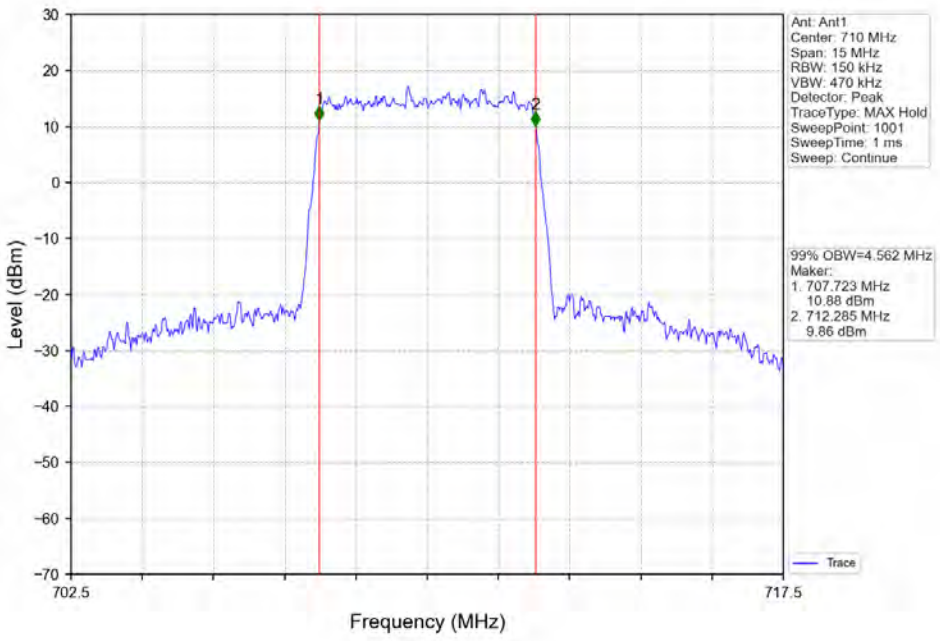

Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



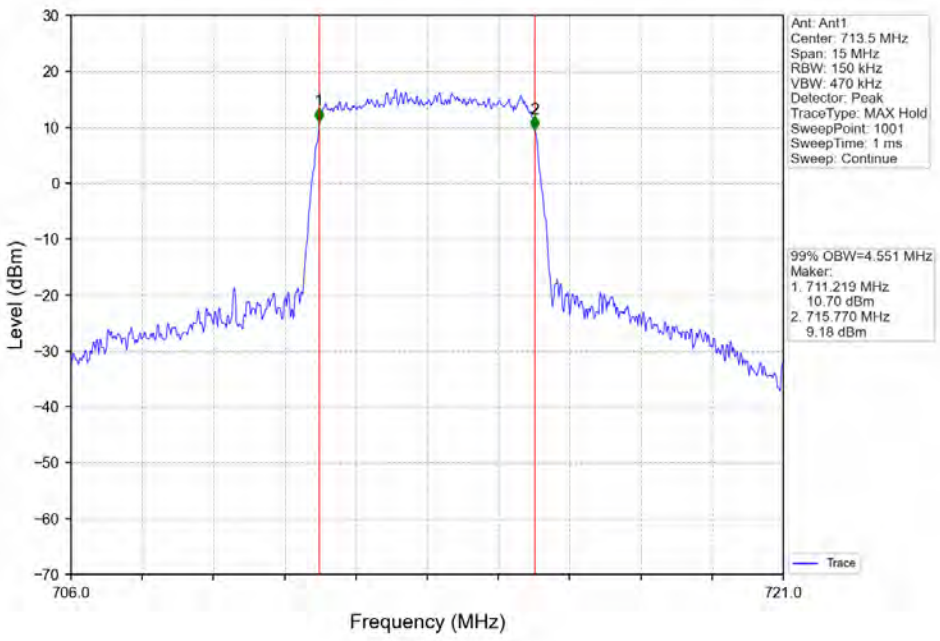
Band17_5MHz_64QAM_LCH_706.5MHz_RB_25_0_NTNV



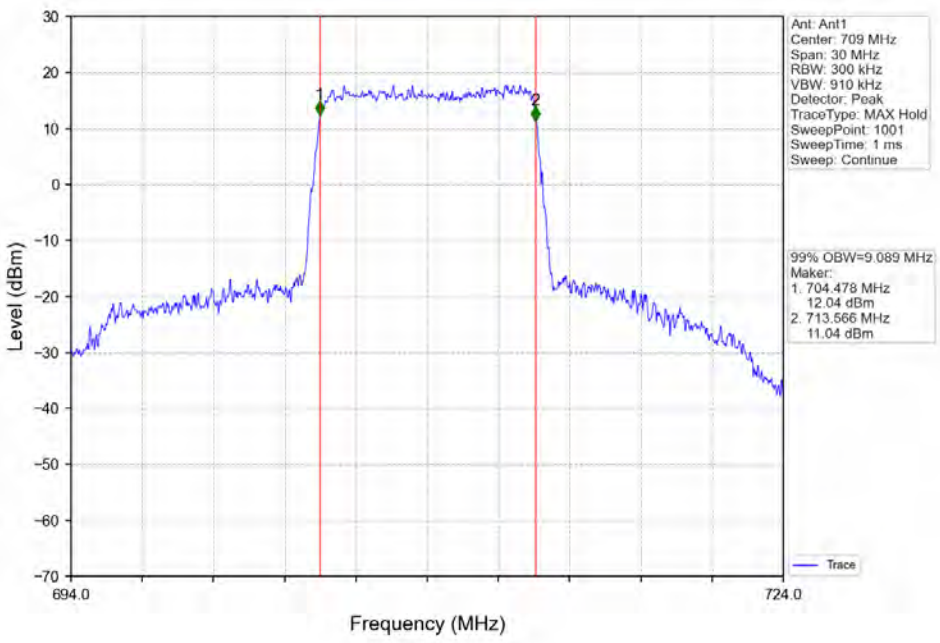

Band17_5MHz_64QAM_MCH_710MHz_RB_25_0_NTNV



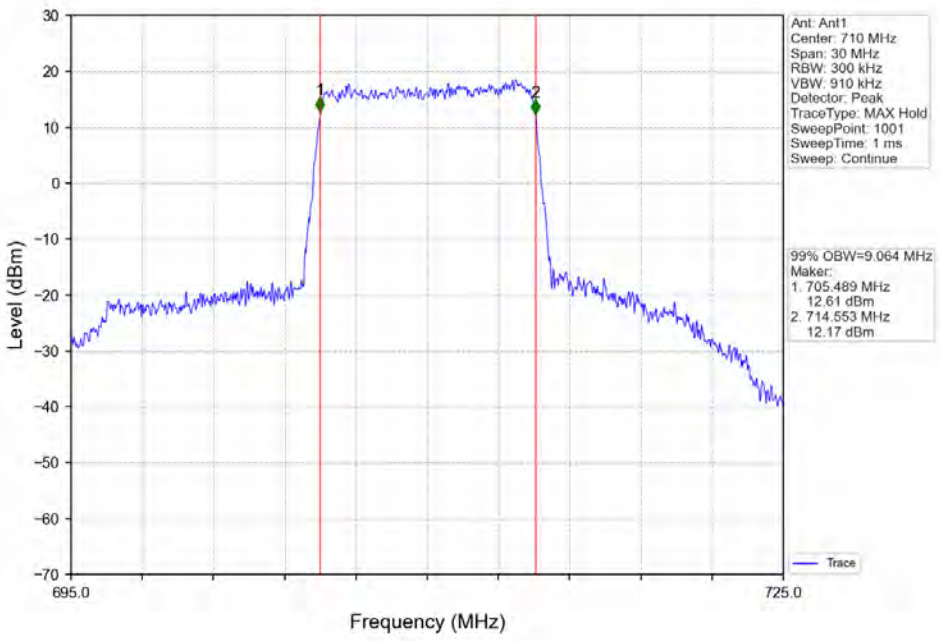
Band17_5MHz_64QAM_HCH_713.5MHz_RB_25_0_NTNV



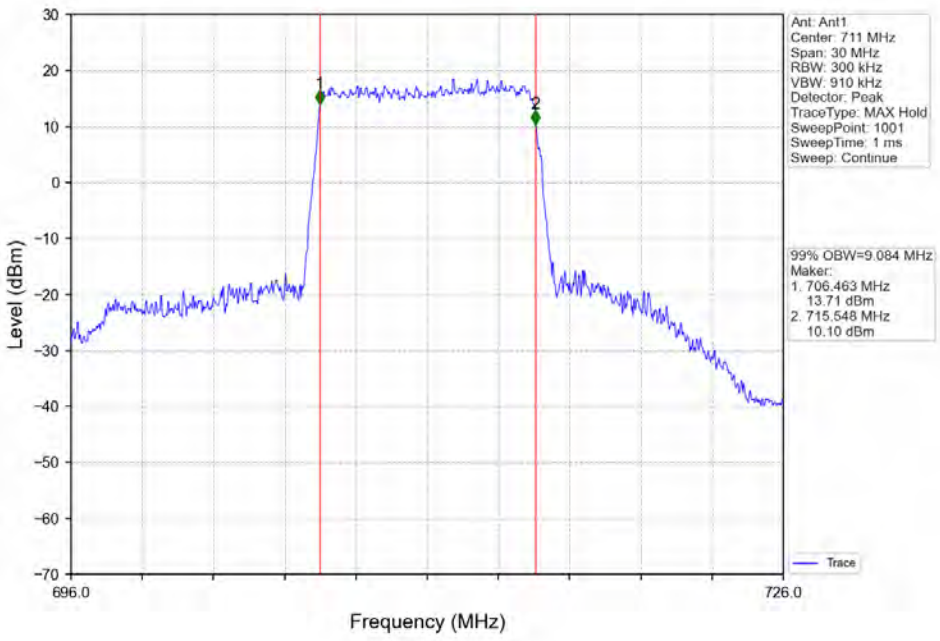

Band17_10MHz_QPSK_LCH_709MHz_RB_50_0_NTNV



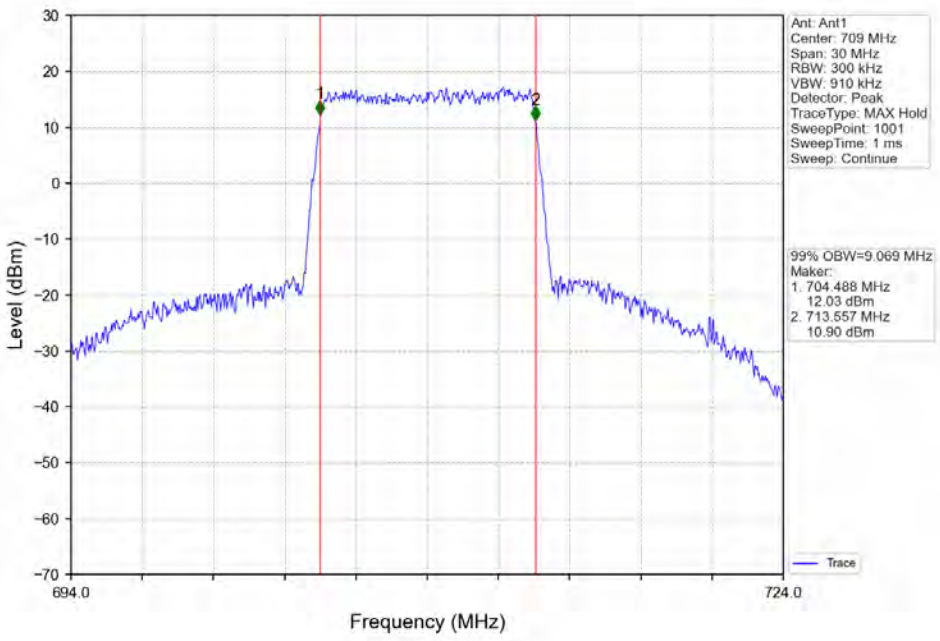
Band17_10MHz_QPSK_MCH_710MHz_RB_50_0_NTNV



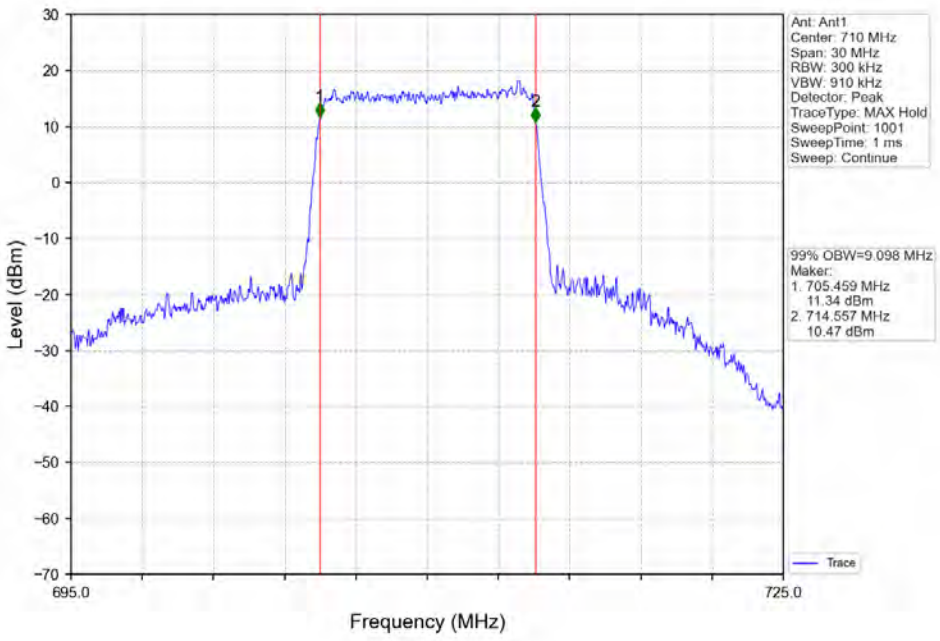

Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



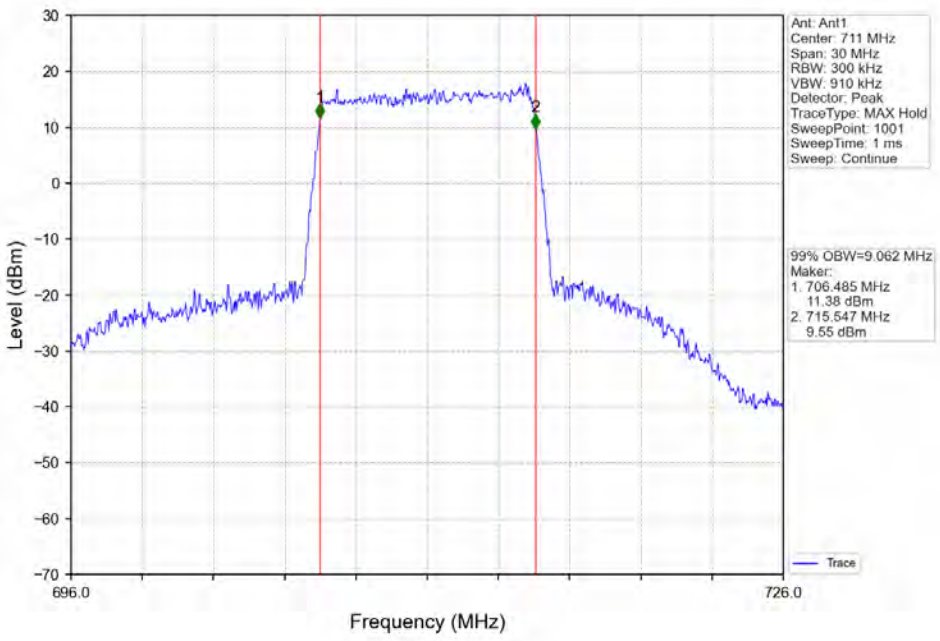
Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV



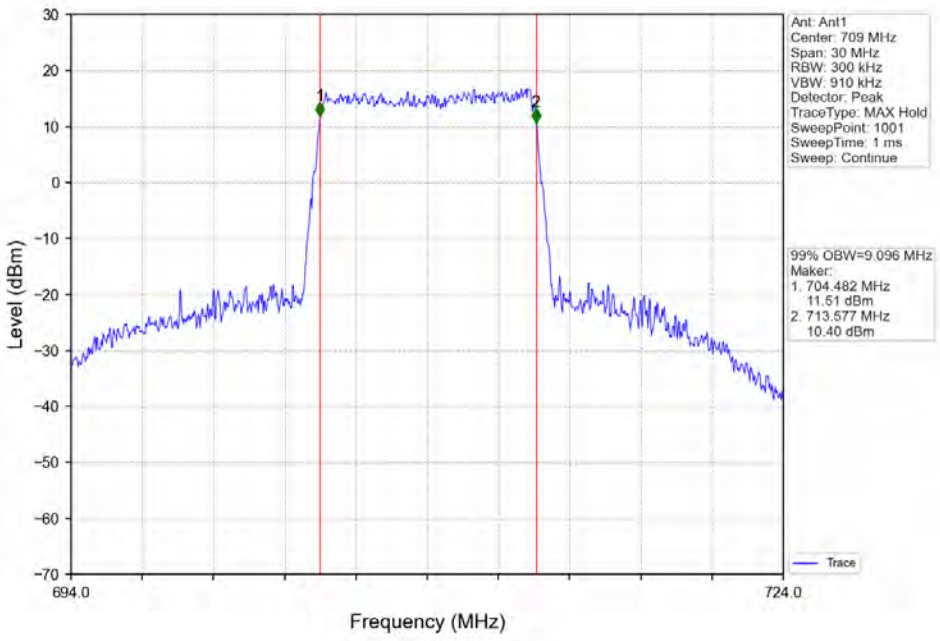

Band17_10MHz_16QAM_MCH_710MHz_RB_50_0_NTNV



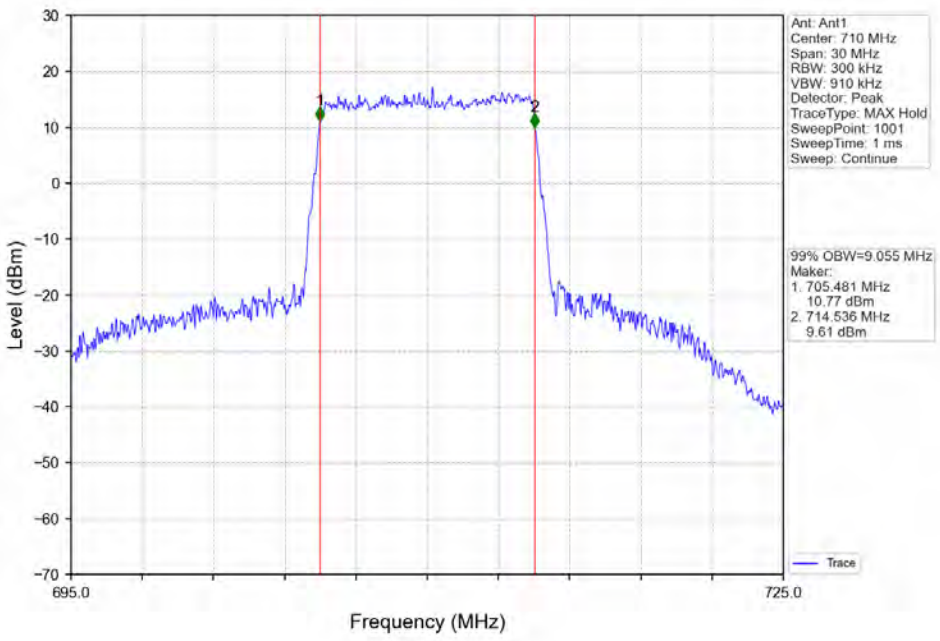
Band17_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



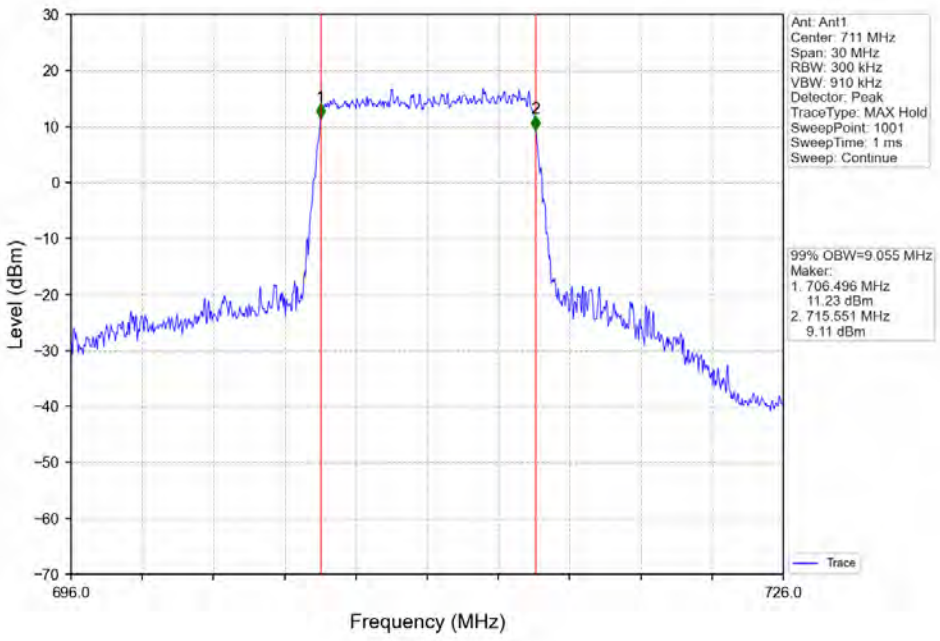

Band17_10MHz_64QAM_LCH_709MHz_RB_50_0_NTNV



Band17_10MHz_64QAM_MCH_710MHz_RB_50_0_NTNV




Band17_10MHz_64QAM_HCH_711MHz_RB_50_0_NTNV

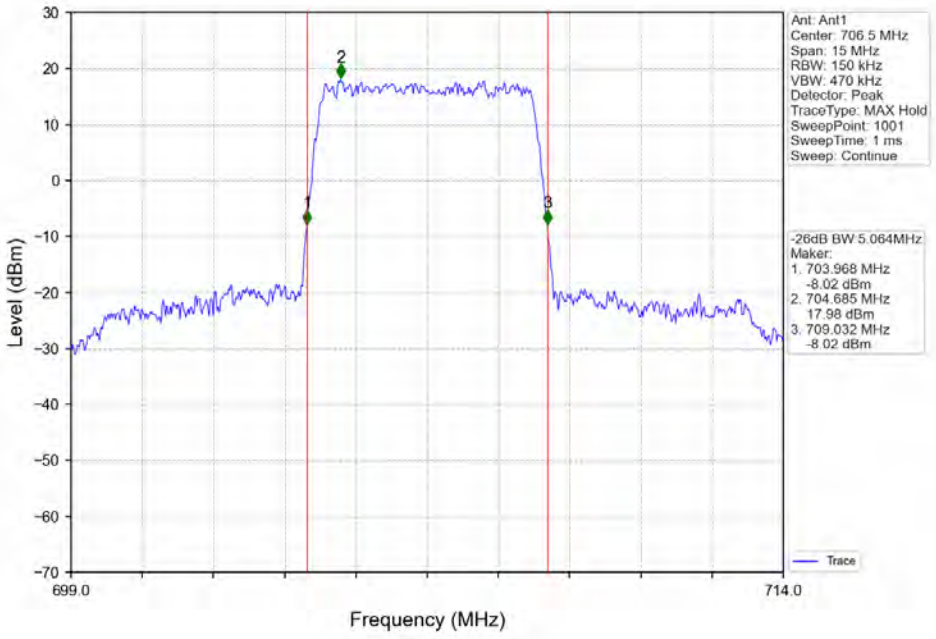


## 26DB_OBW TEST RESULT

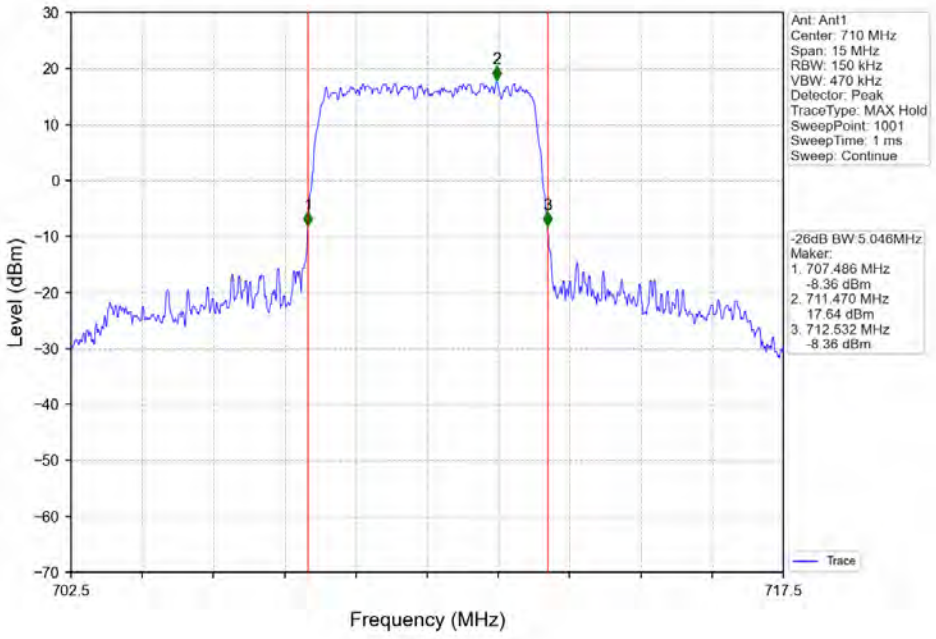
| Band: 17 / NTNV | | | | | | |
|---|---|---|---|---|---|---|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation | | 26dB Bandwidth (MHz) | Verdict |
| | | | Size | Offset | Result | |
| 5 | QPSK | 706.5 | 25 | 0 | 5.064 | Pass |
| | | 710 | 25 | 0 | 5.046 | Pass |
| | | 713.5 | 25 | 0 | 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

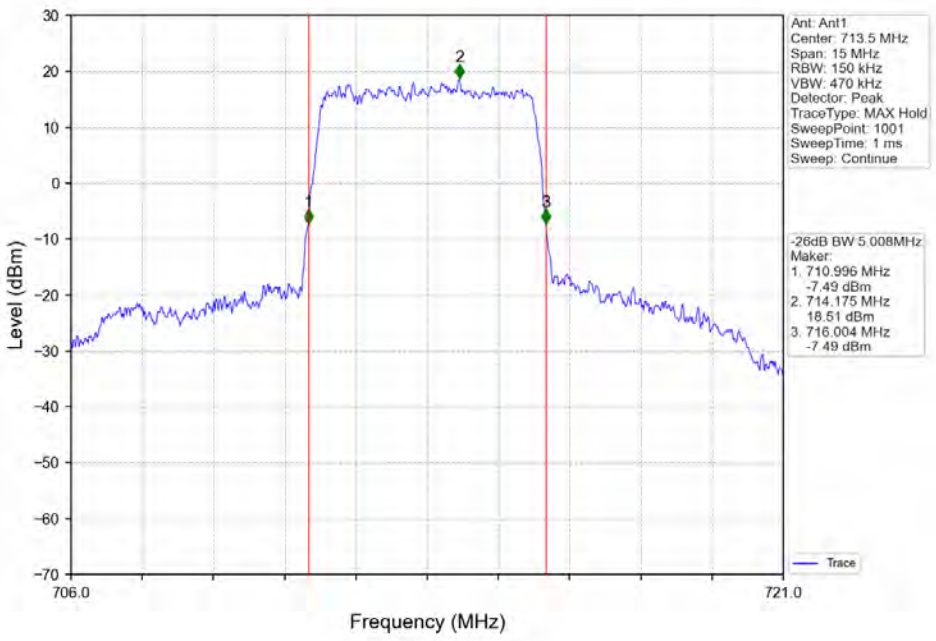
Band17_5MHz_QPSK_LCH_706.5MHz_RB_25_0_NTNV



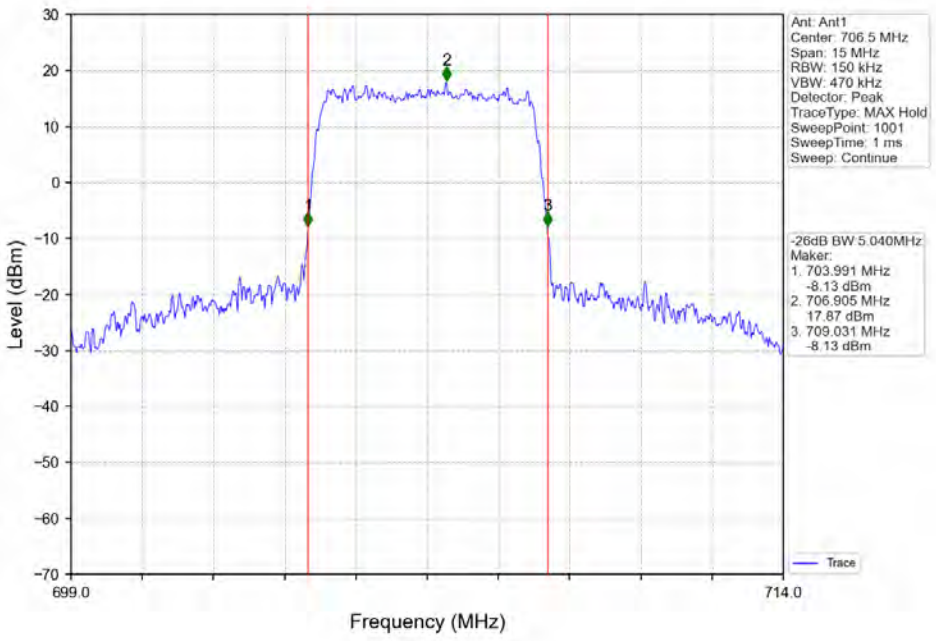

Band17_5MHz_QPSK_MCH_710MHz_RB_25_0_NTNV



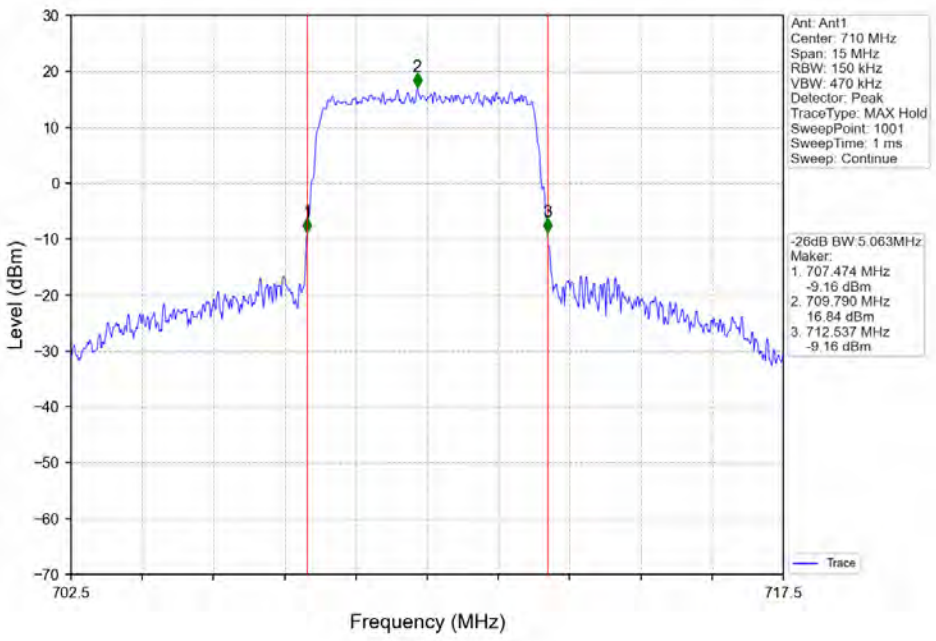
Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



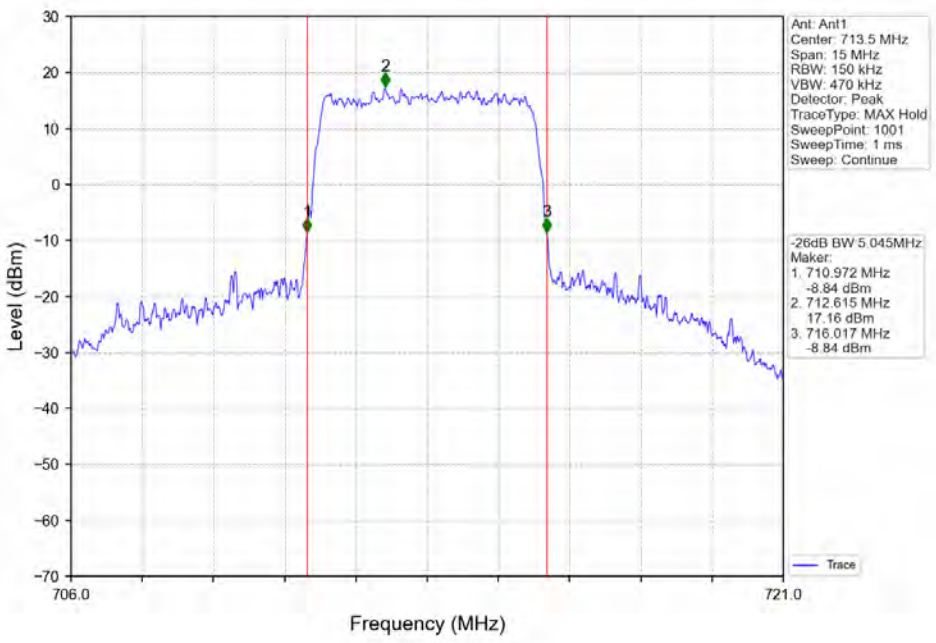

Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV



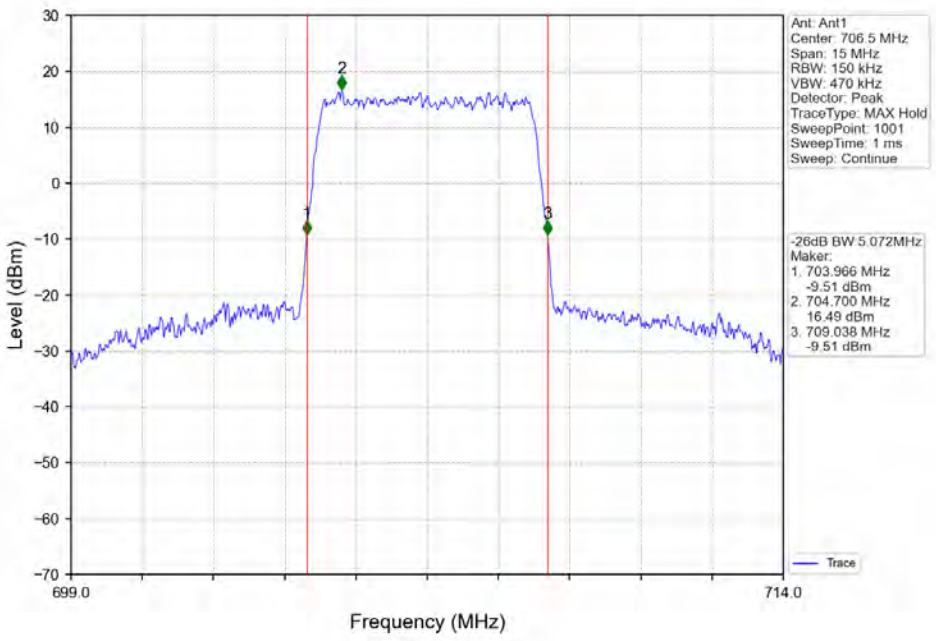
Band17_5MHz_16QAM_MCH_710MHz_RB_25_0_NTNV



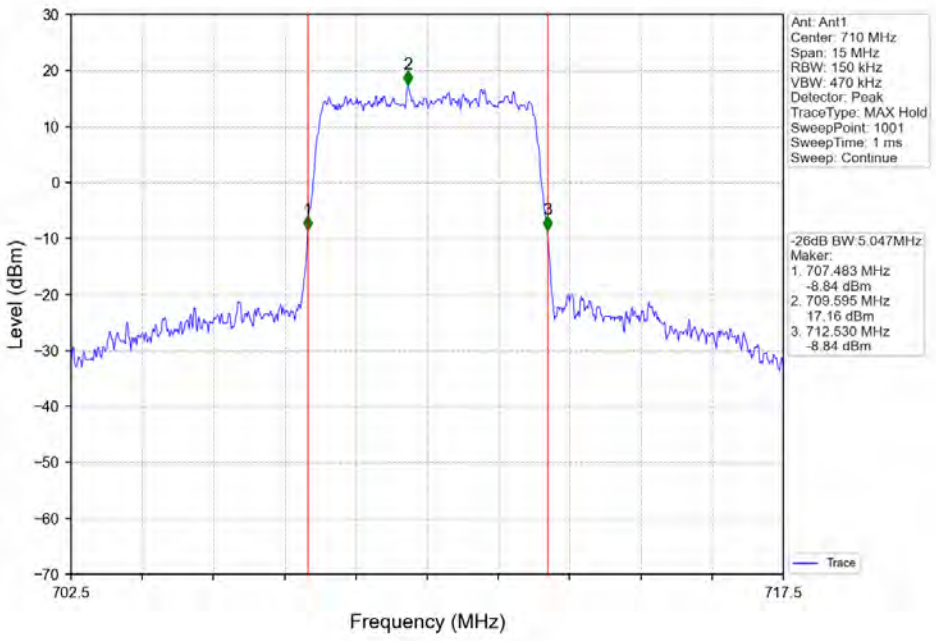

Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



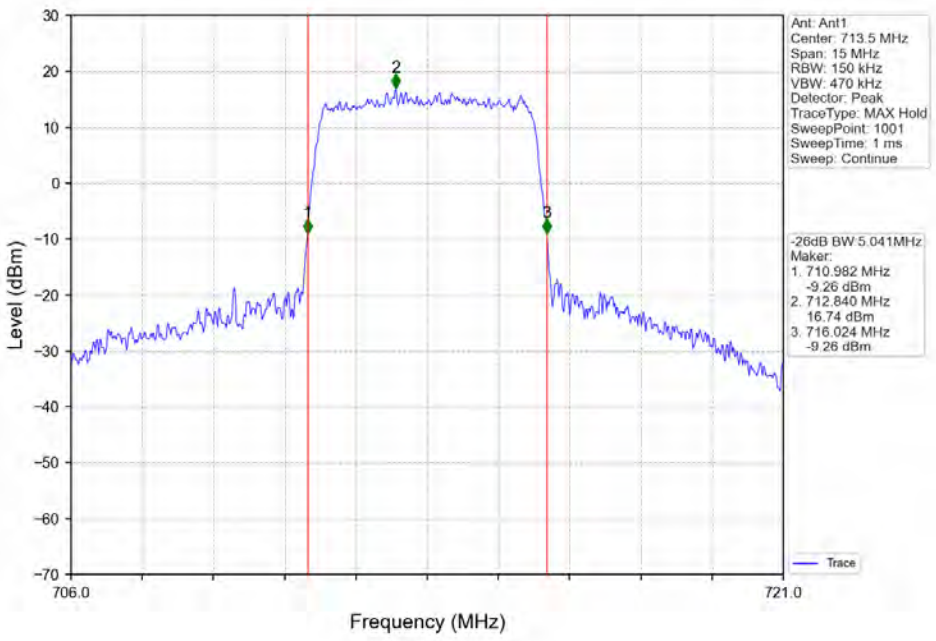
Band17_5MHz_64QAM_LCH_706.5MHz_RB_25_0_NTNV



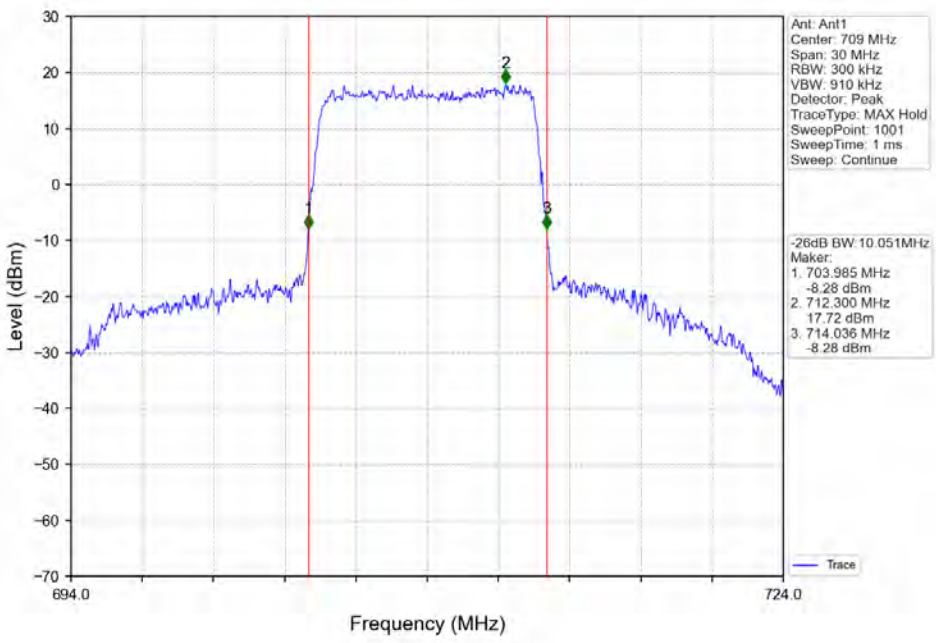

Band17_5MHz_64QAM_MCH_710MHz_RB_25_0_NTNV



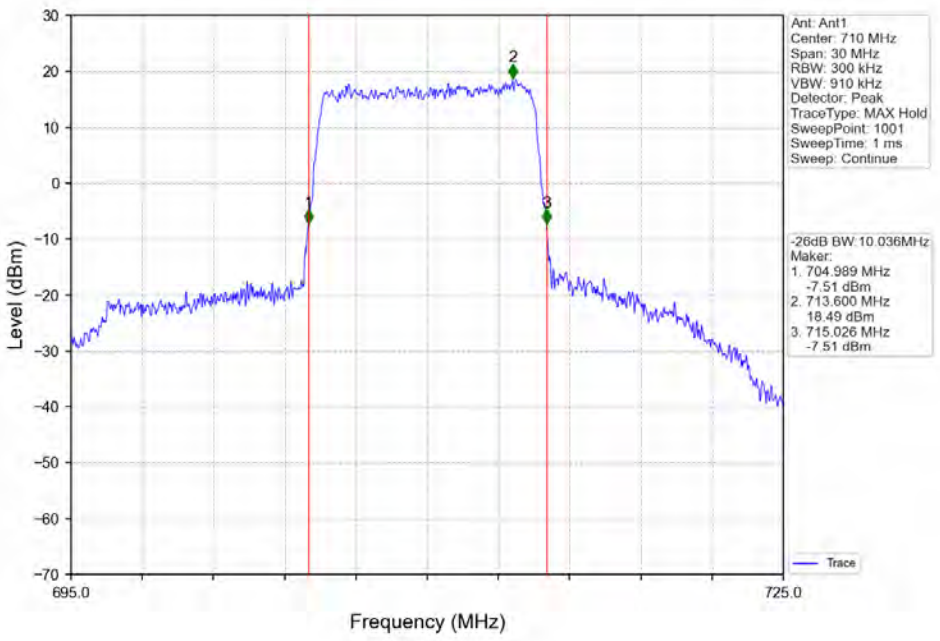
Band17_5MHz_64QAM_HCH_713.5MHz_RB_25_0_NTNV



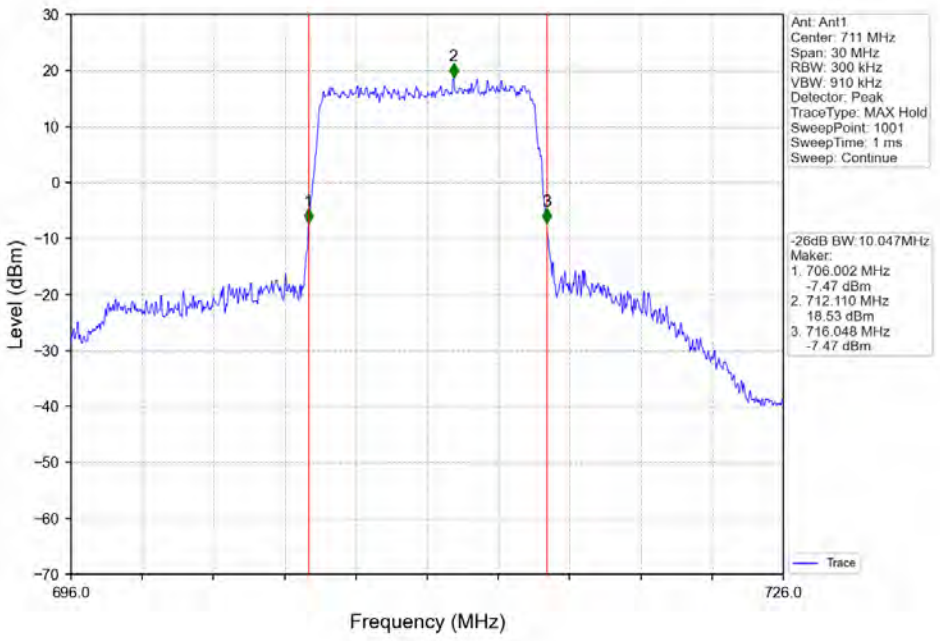

Band17_10MHz_QPSK_LCH_709MHz_RB_50_0_NTNV



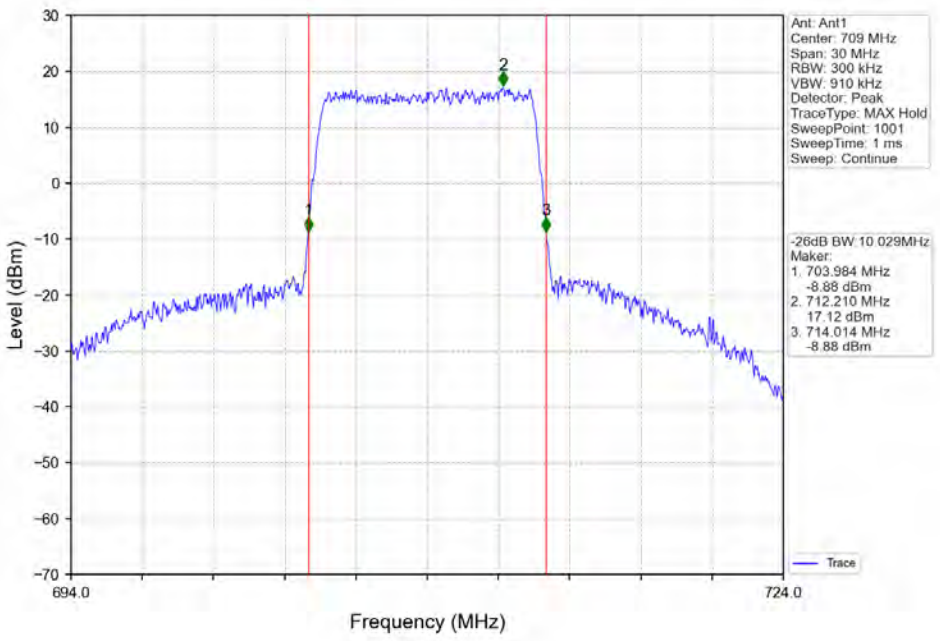
Band17_10MHz_QPSK_MCH_710MHz_RB_50_0_NTNV



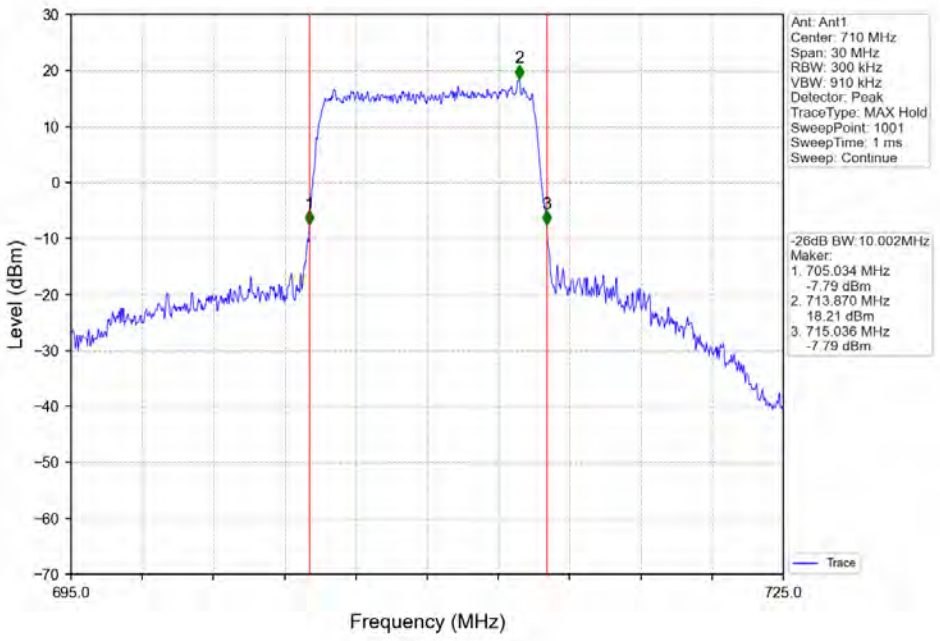

Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



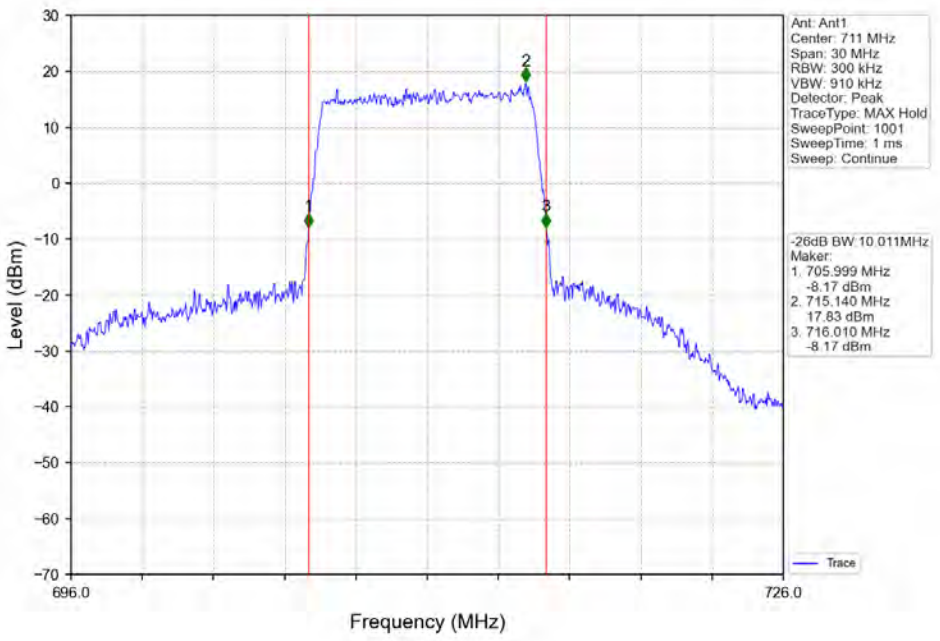
Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV



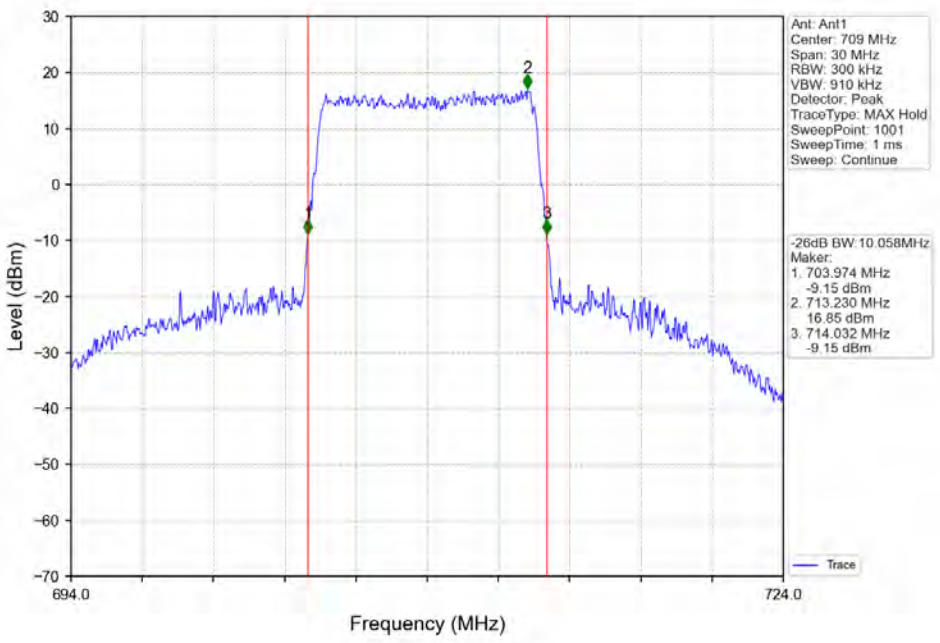

Band17_10MHz_16QAM_MCH_710MHz_RB_50_0_NTNV



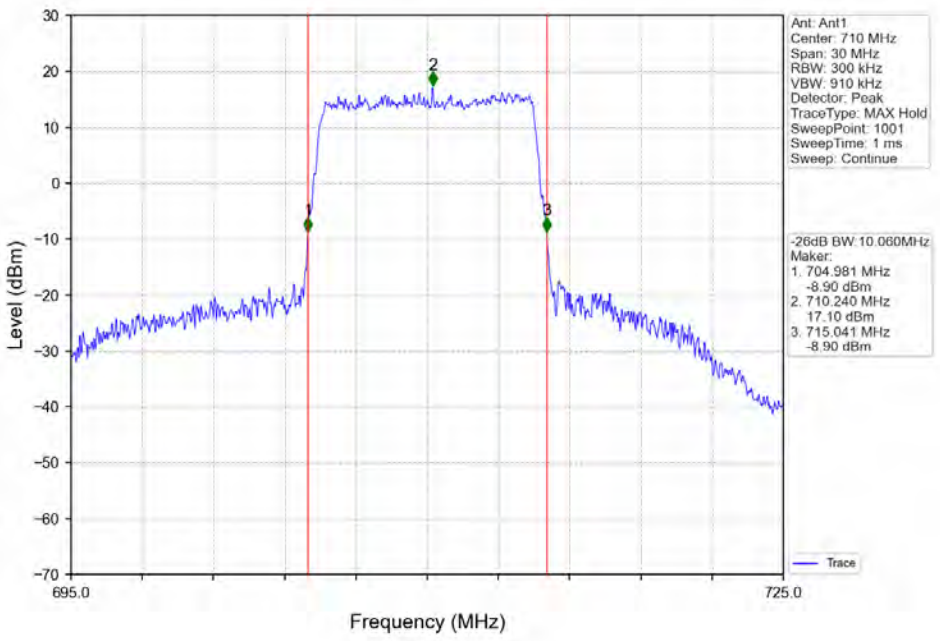
Band17_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



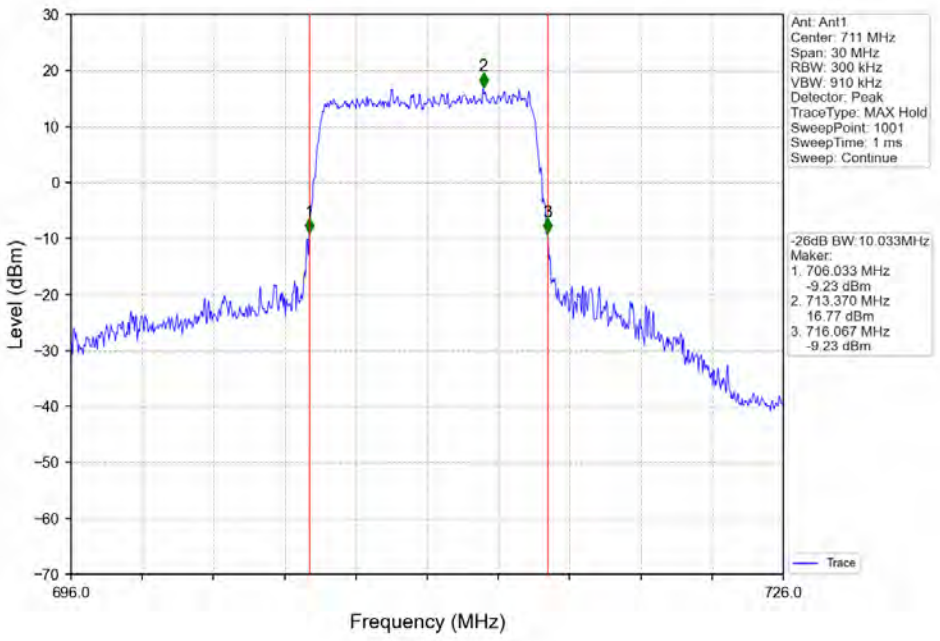

Band17_10MHz_64QAM_LCH_709MHz_RB_50_0_NTNV



Band17_10MHz_64QAM_MCH_710MHz_RB_50_0_NTNV




Band17_10MHz_64QAM_HCH_711MHz_RB_50_0_NTNV

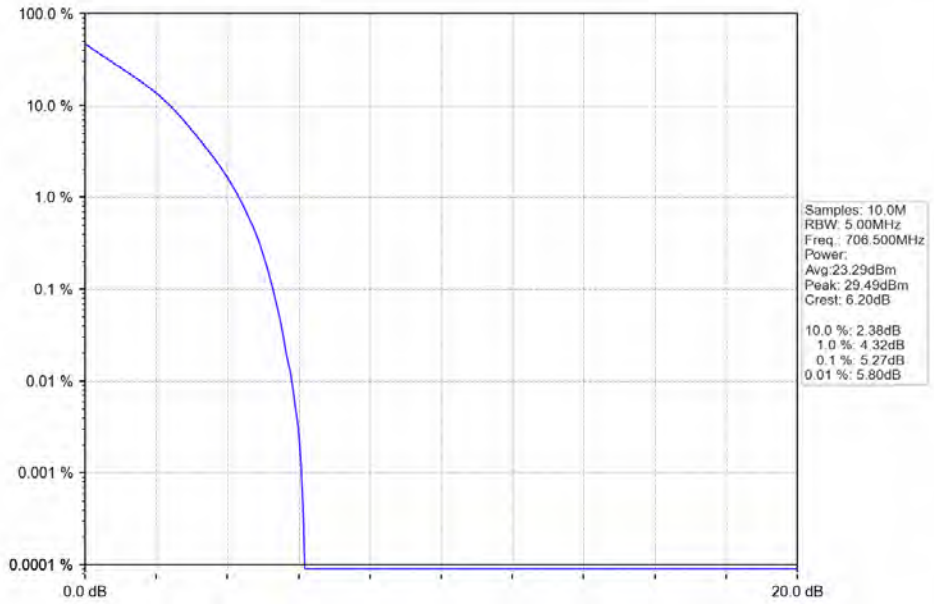


## PEAK-AVERAGE RATIO B17_5MHZ TEST RESULT

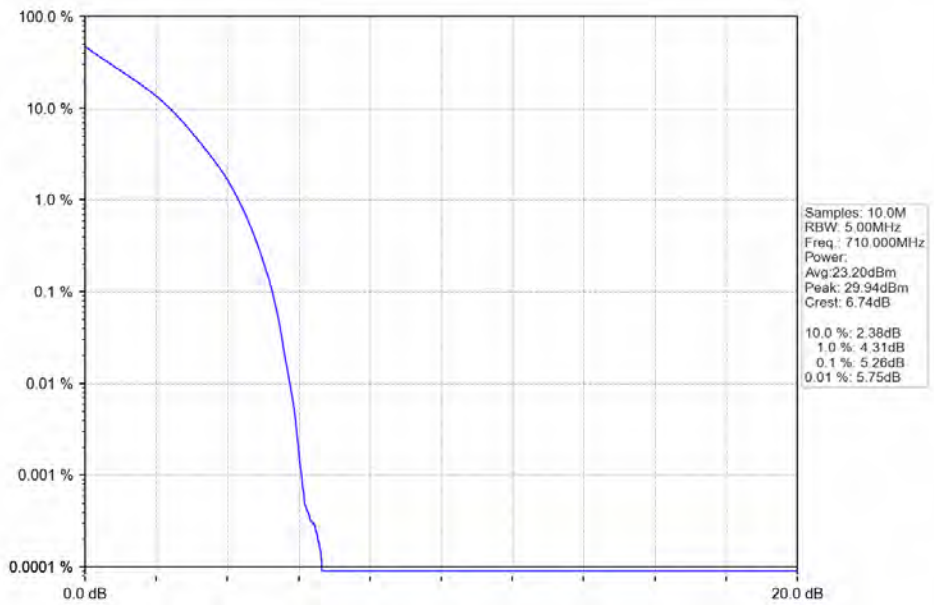
| Band: 17 / Bandwidth: 5MHz / NTNV | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Peak-Average Ratio (dB) | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 706.5 | 25 | 0 | 5.27 | <=13 | Pass |
| | 710 | 25 | 0 | 5.26 | <=13 | Pass |
| | 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

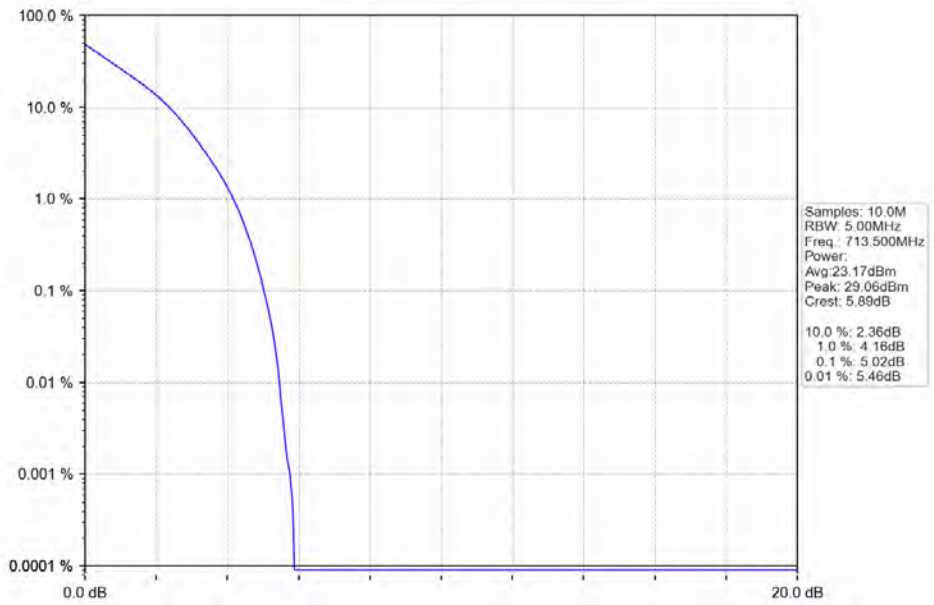
Band17_5MHz_QPSK_LCH_706.5MHz_RB_25_0_NTNV



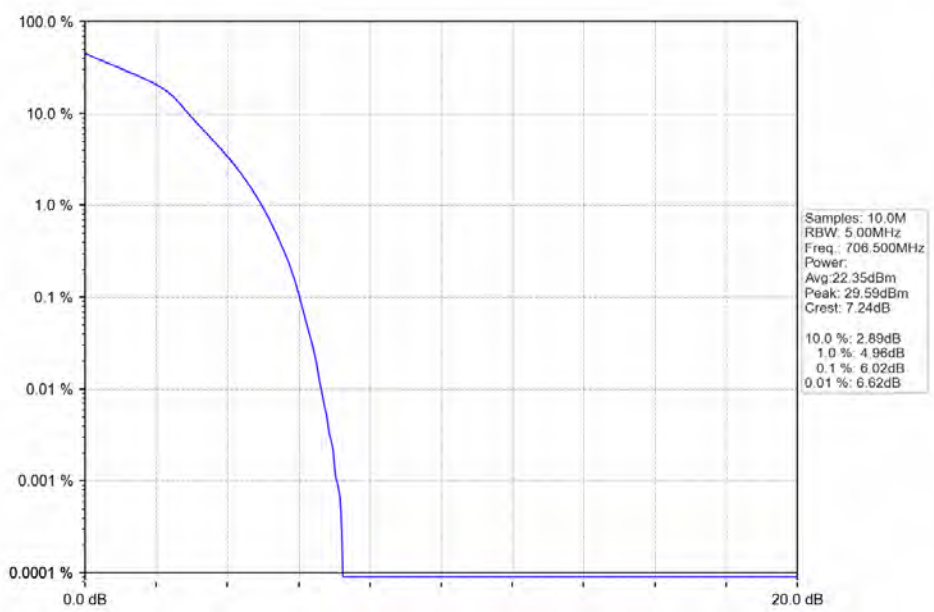

Band17_5MHz_QPSK_MCH_710MHz_RB_25_0_NTNV



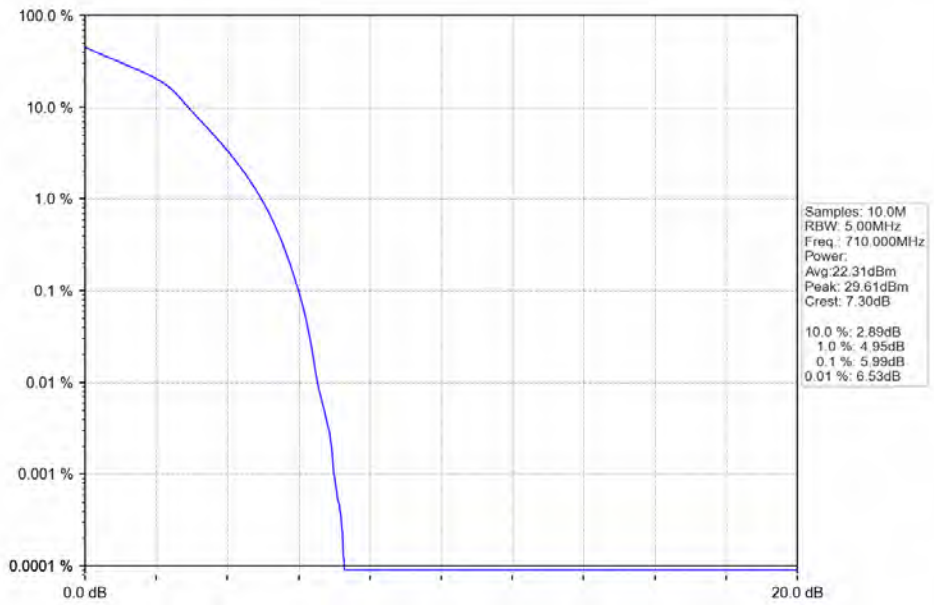
Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



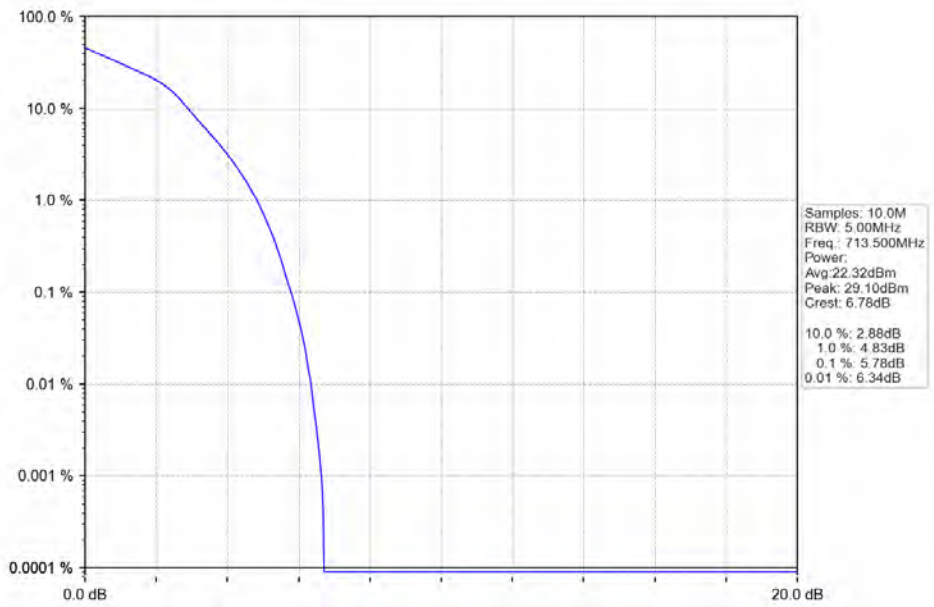

Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV



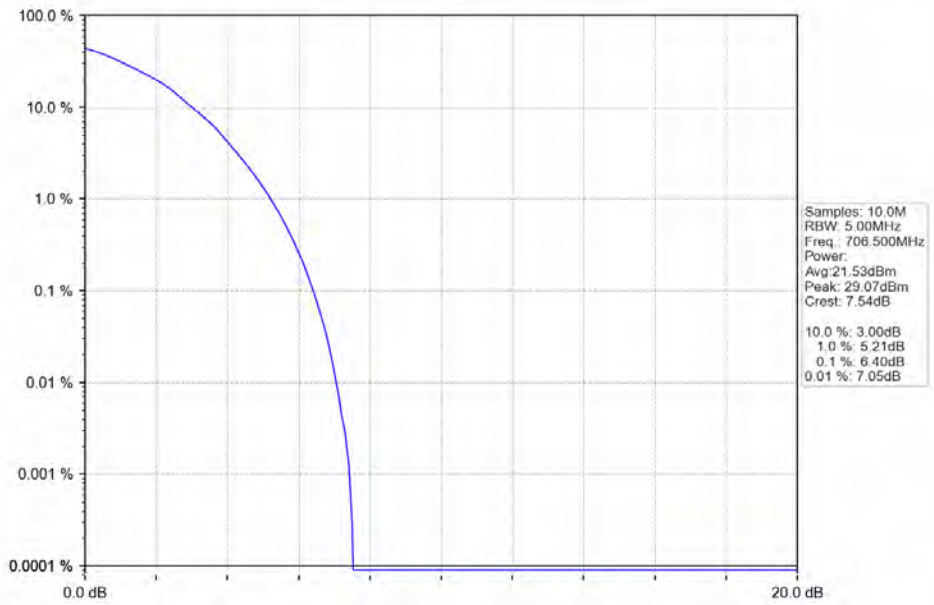
Band17_5MHz_16QAM_MCH_710MHz_RB_25_0_NTNV



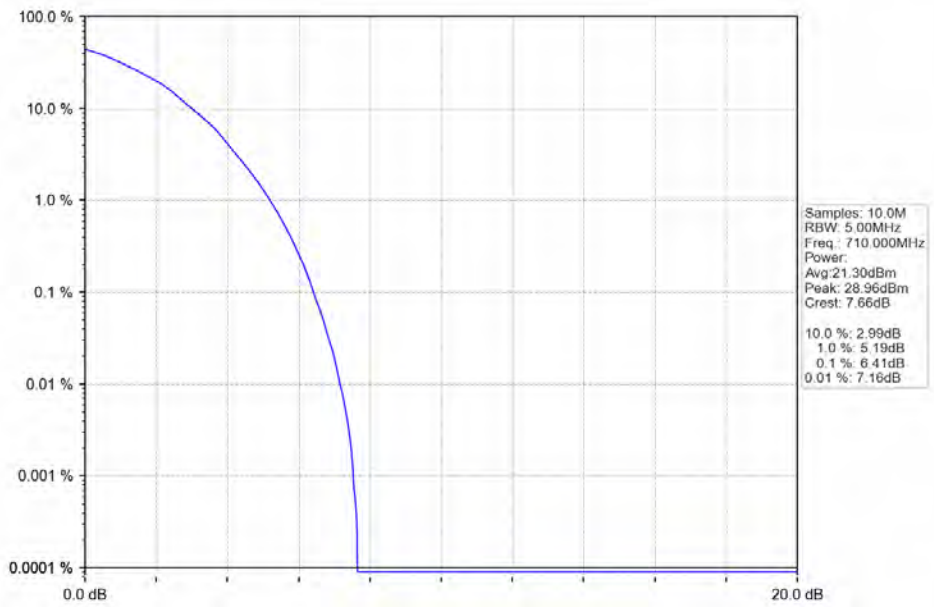

Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



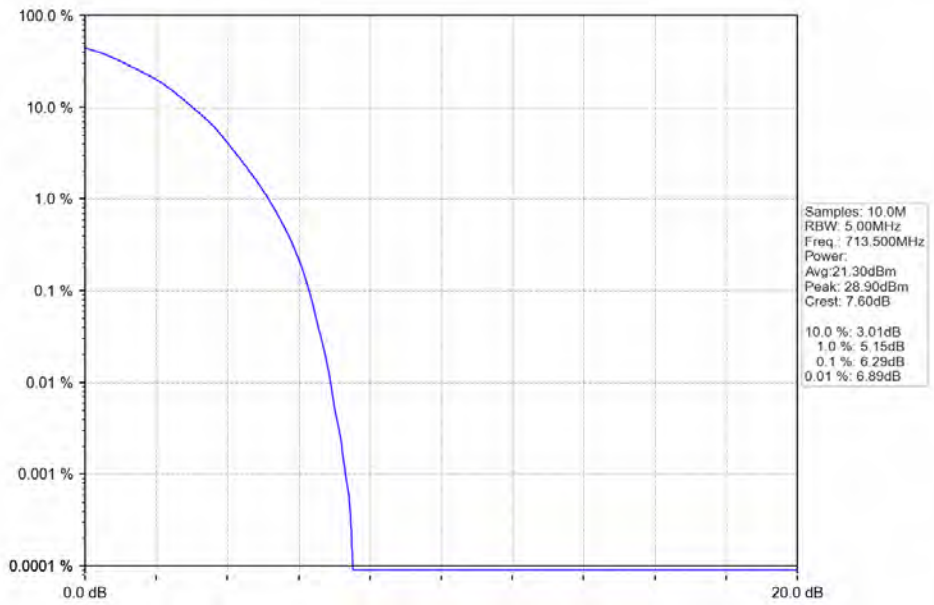
Band17_5MHz_64QAM_LCH_706.5MHz_RB_25_0_NTNV




Band17_5MHz_64QAM_MCH_710MHz_RB_25_0_NTNV



Band17_5MHz_64QAM_HCH_713.5MHz_RB_25_0_NTNV

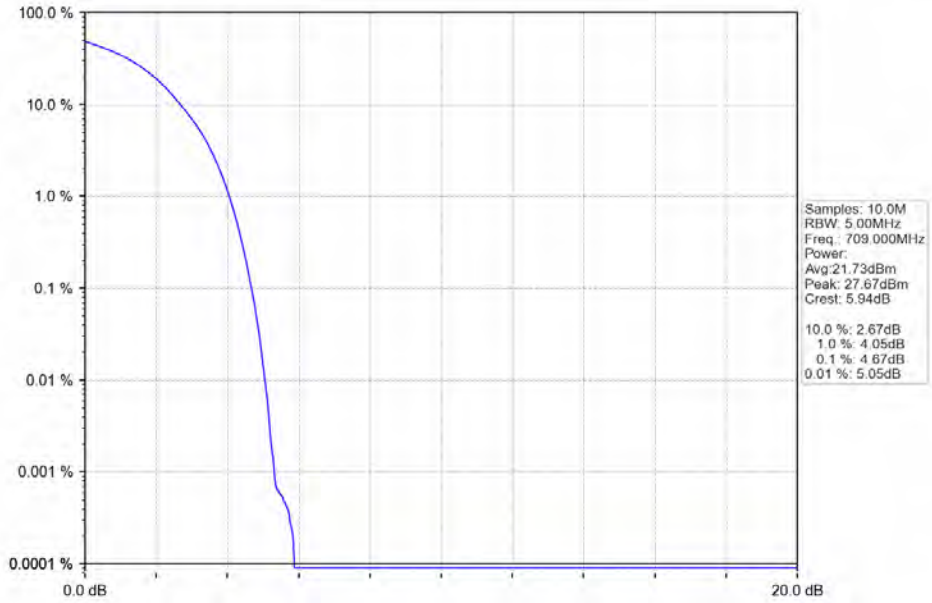


## B17_10MHZ TEST RESULT

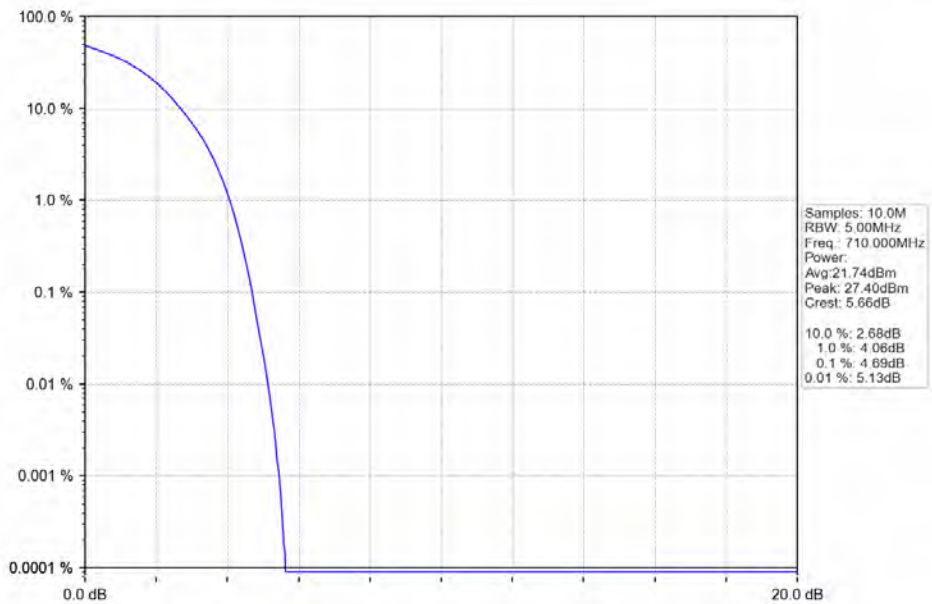
| Band: 17 / Bandwidth: 10MHz / NTNV | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Peak-Average Ratio (dB) | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 709 | 50 | 0 | 4.67 | <=13 | Pass |
| | 710 | 50 | 0 | 4.69 | <=13 | Pass |
| | 711 | 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

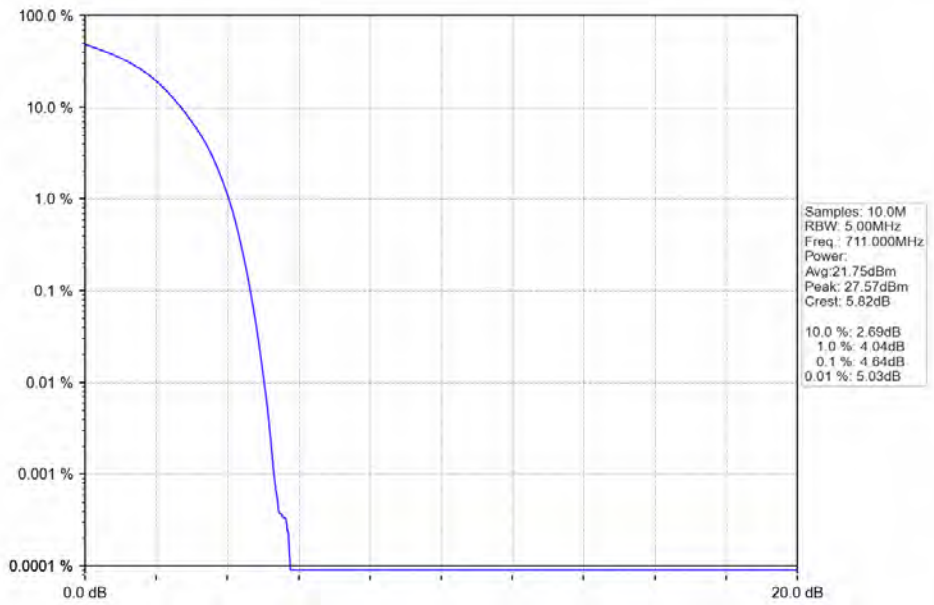
Band17_10MHz_QPSK_LCH_709MHz_RB_50_0_NTNV



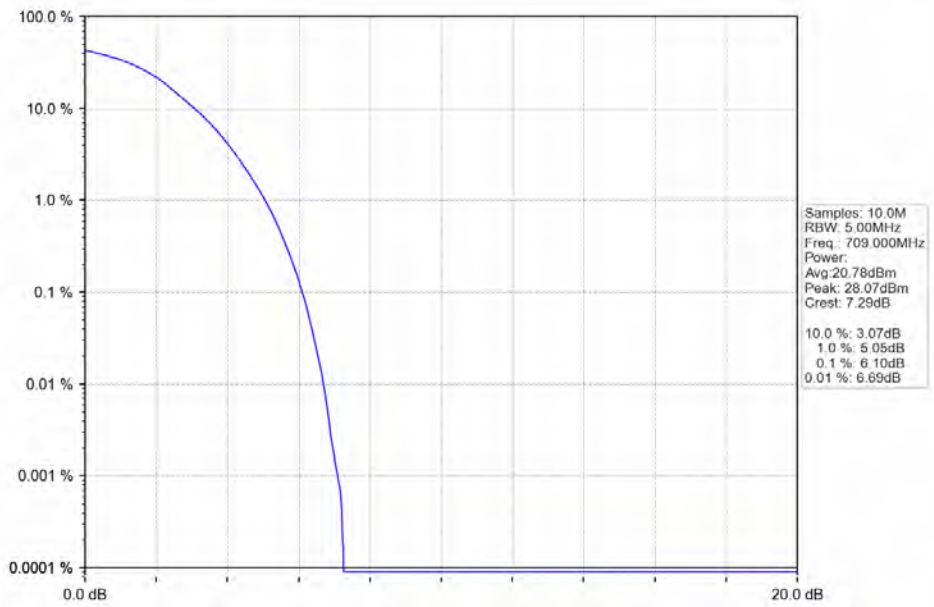

Band17_10MHz_QPSK_MCH_710MHz_RB_50_0_NTNV



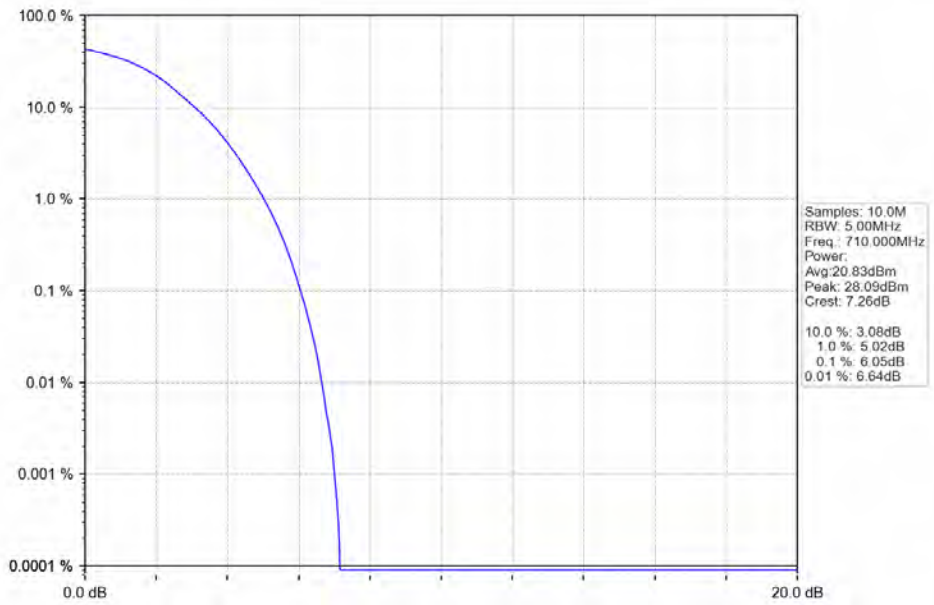
Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



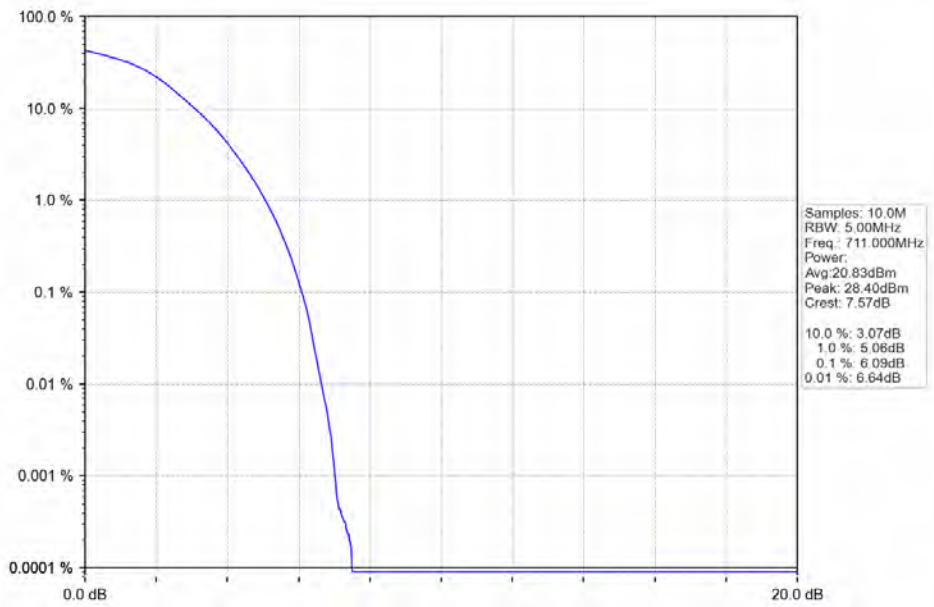

Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV



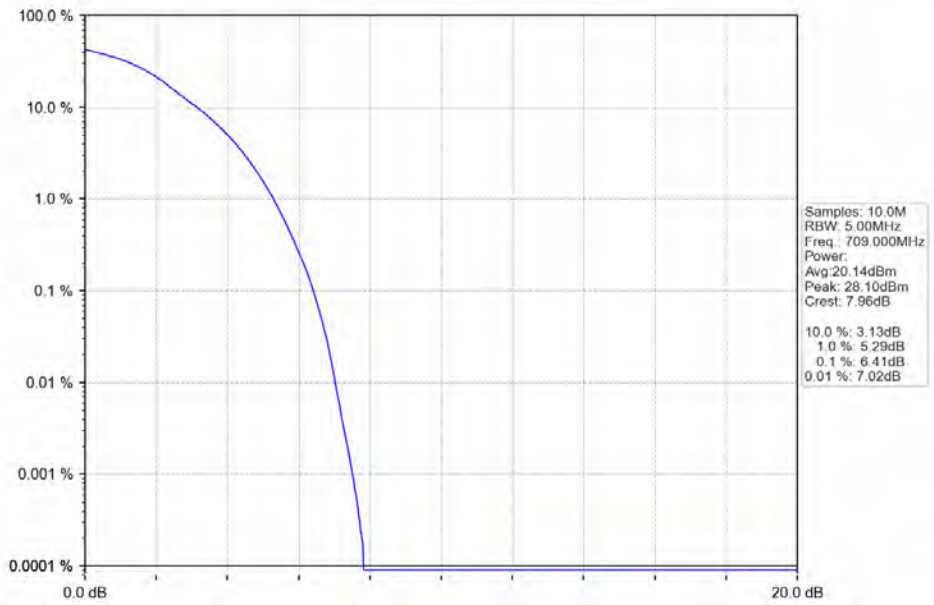
Band17_10MHz_16QAM_MCH_710MHz_RB_50_0_NTNV



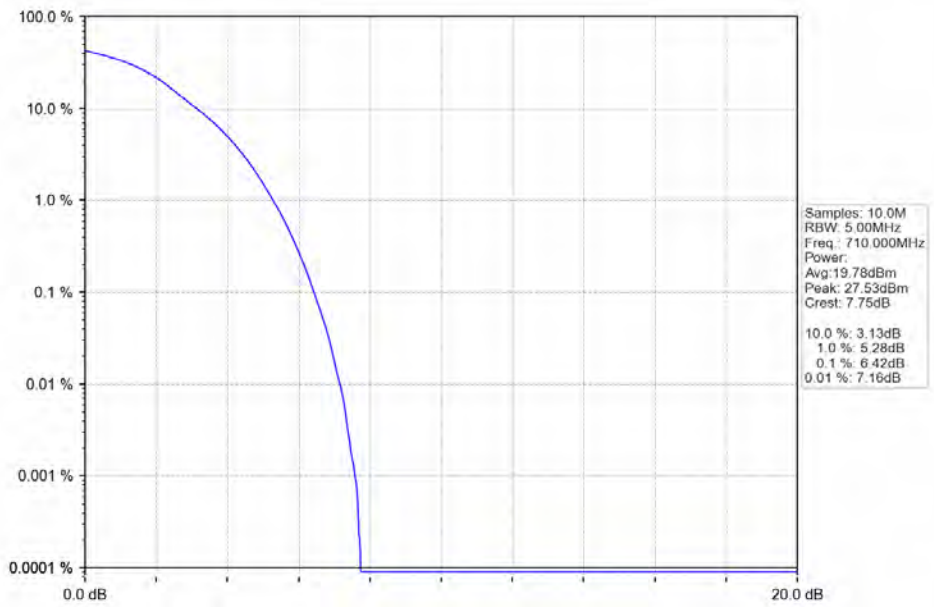

Band17_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV

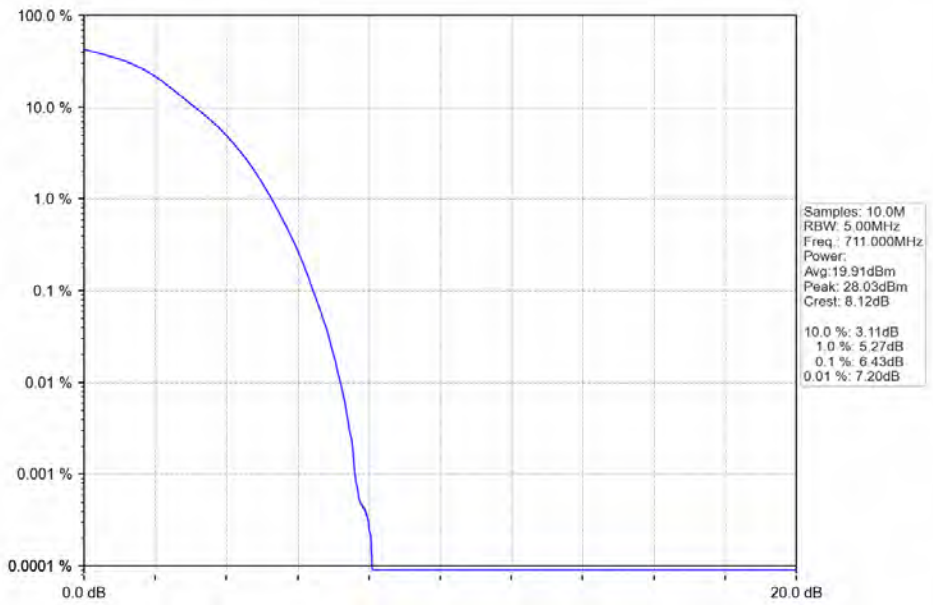


Band17_10MHz_64QAM_LCH_709MHz_RB_50_0_NTNV




Band17_10MHz_64QAM_MCH_710MHz_RB_50_0_NTNV



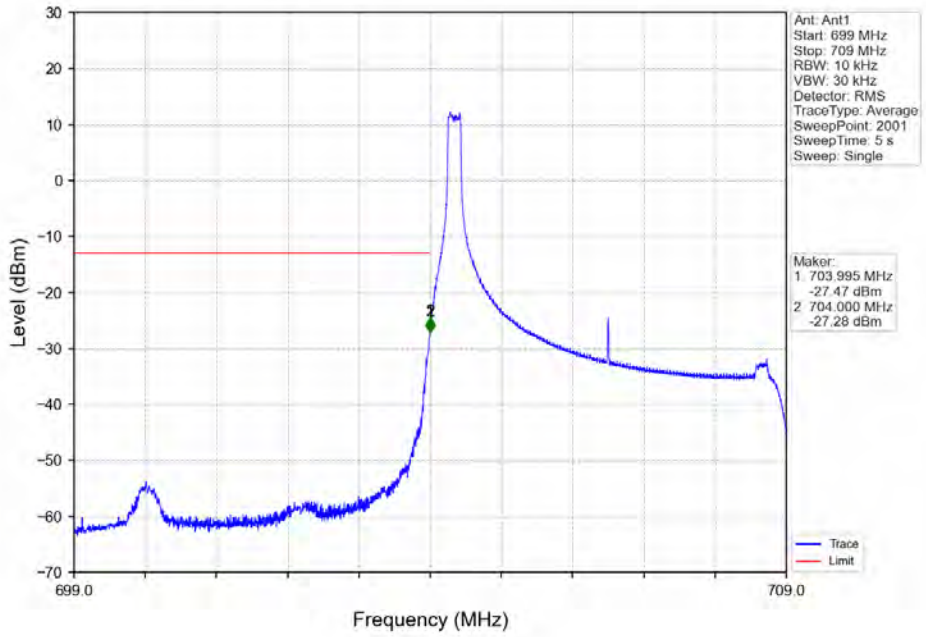
| Band17_10MHz_64QAM_HCH_711MHz_RB_50_0_NTNV |
| --- |
|  |

## SPURIOUS EMISSION B17_5MHZ TEST RESULT

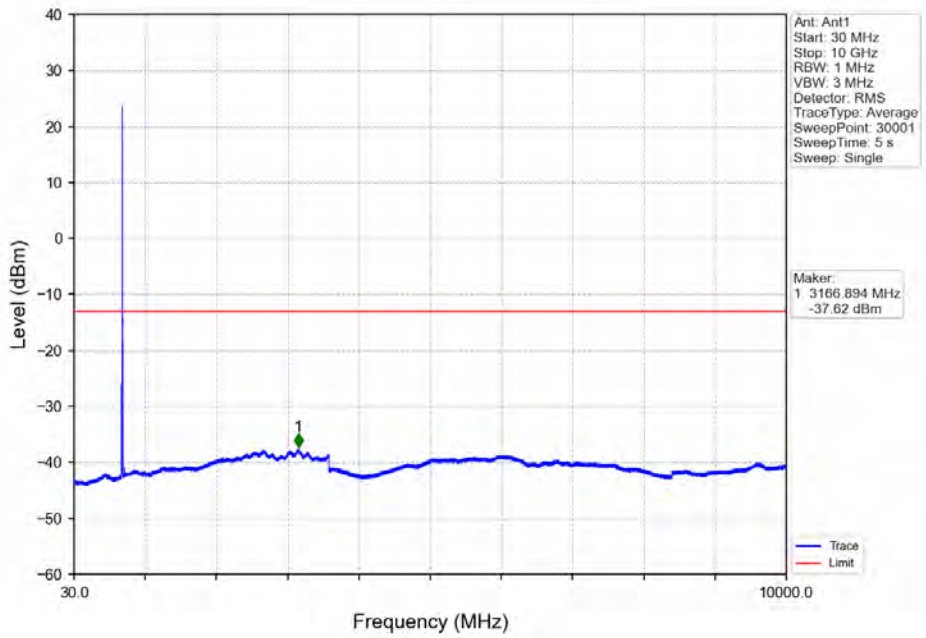
| Band: 17 / Bandwidth: 5MHz / NTNV | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Spurious Emission | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 706.5 | 1 | 0 | Refer To Test Graph | | Pass |
| | | 25 | 0 | Refer To Test Graph | | Pass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

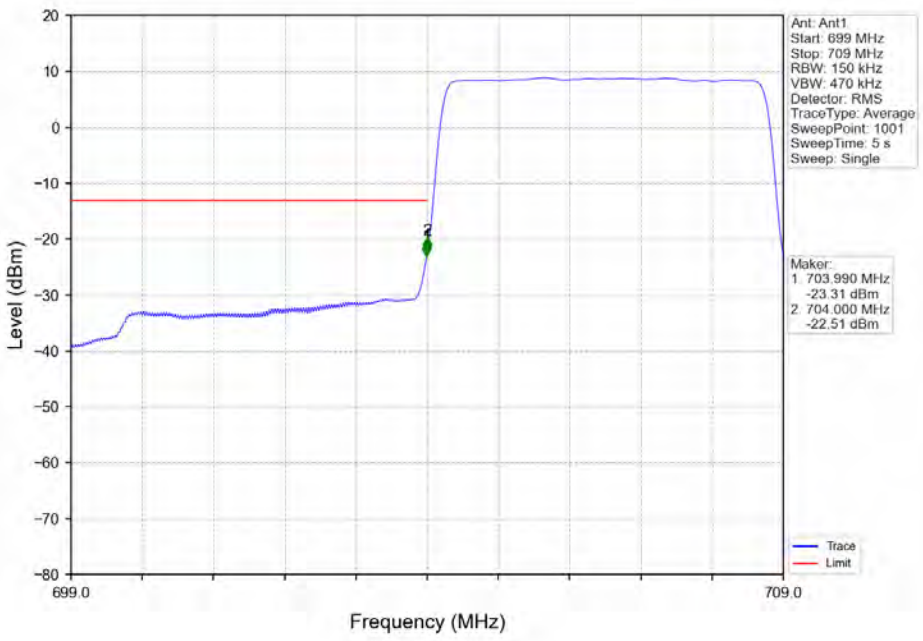
Band17_5MHz_QPSK_LCH_706.5MHz_RB_1_0_NTNV



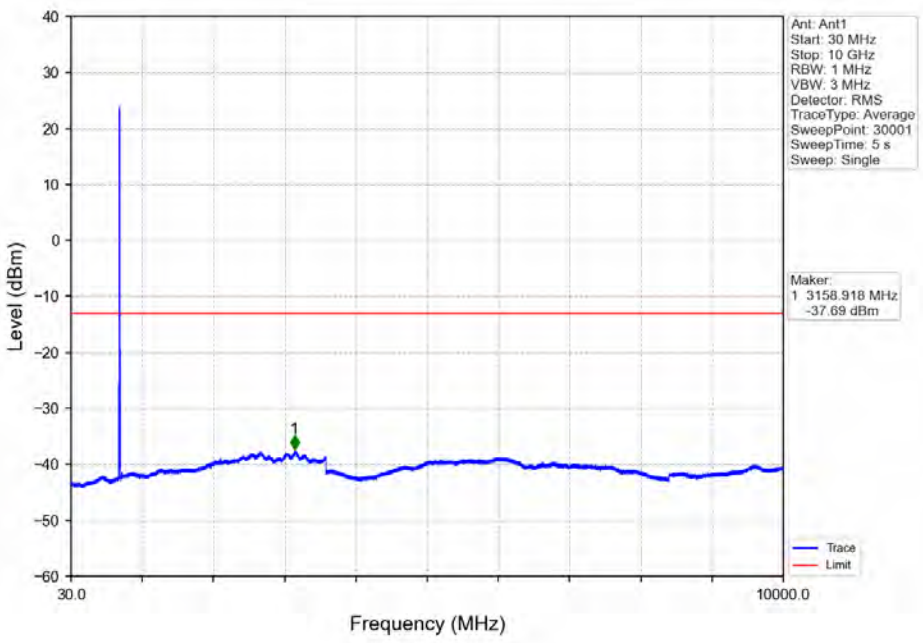

Band17_5MHz_QPSK_LCH_706.5MHz_RB_1_0_NTNV



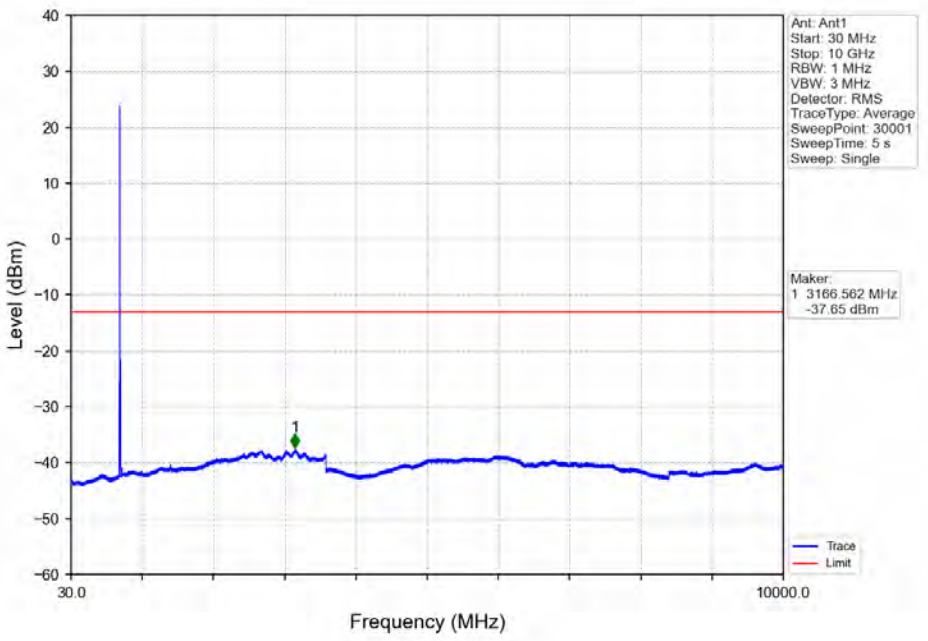
Band17_5MHz_QPSK_LCH_706.5MHz_RB_25_0_NTNV



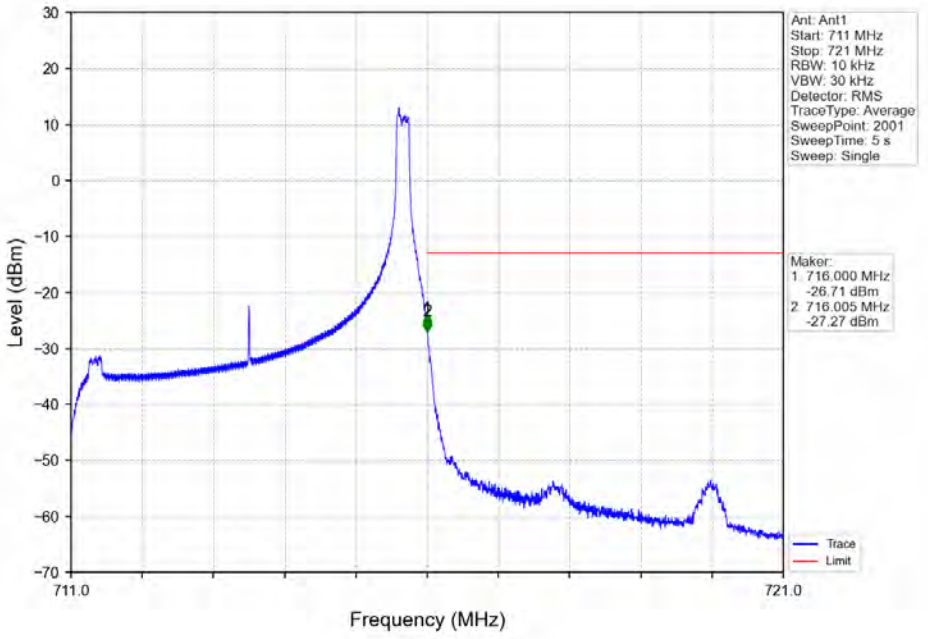

Band17_5MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



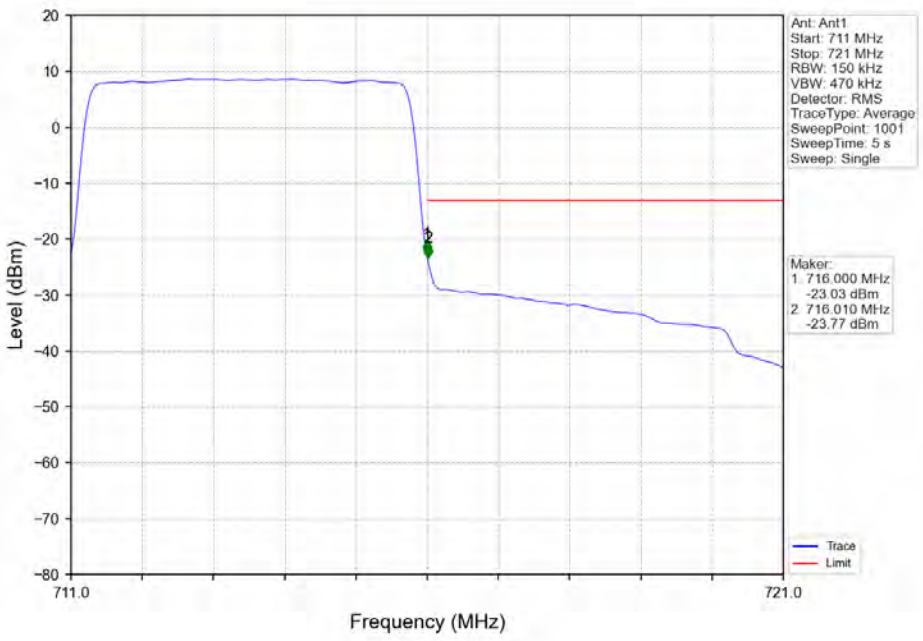
Band17_5MHz_QPSK_HCH_713.5MHz_RB_1_0_NTNV



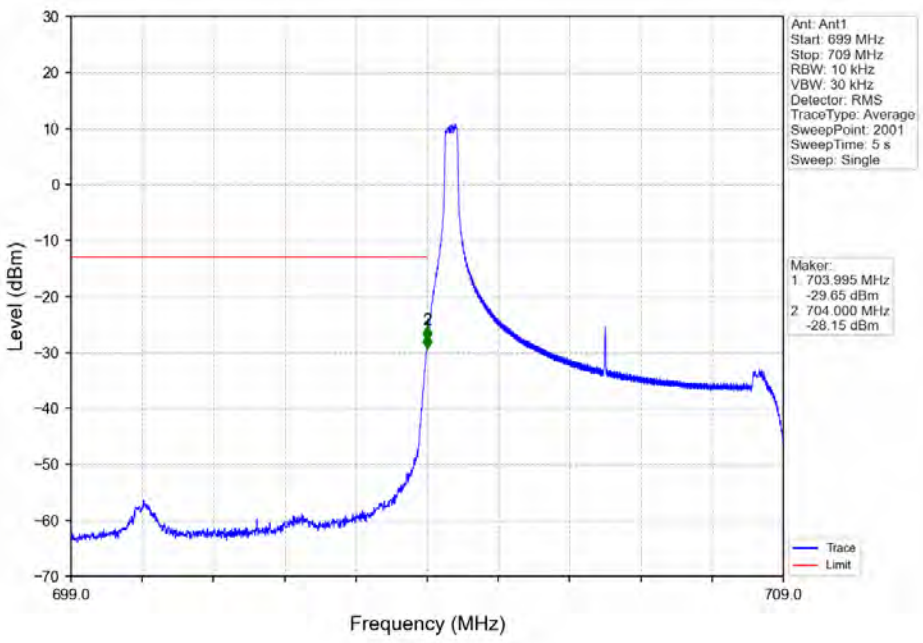

Band17_5MHz_QPSK_HCH_713.5MHz_RB_1_24_NTNV



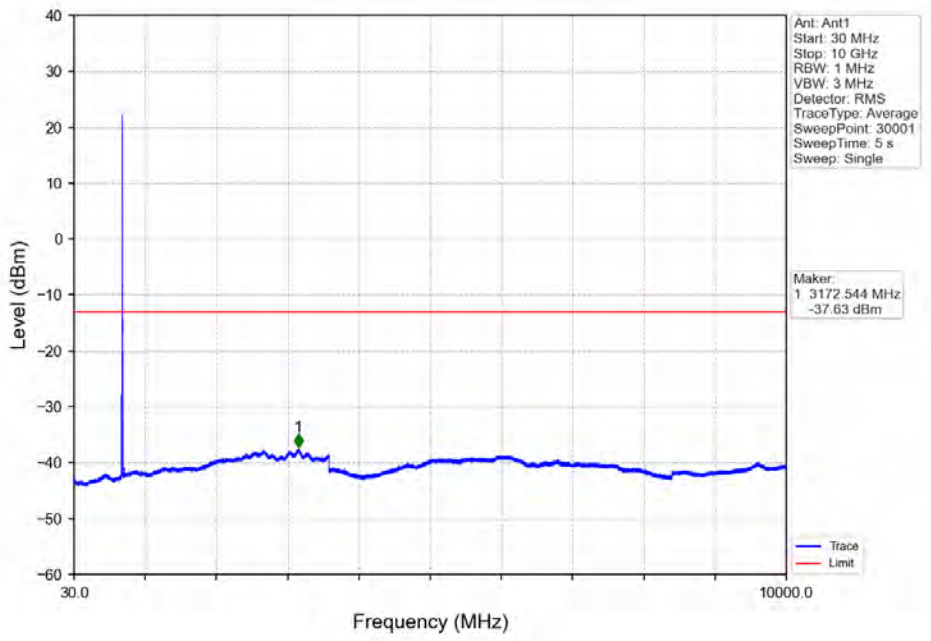
Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



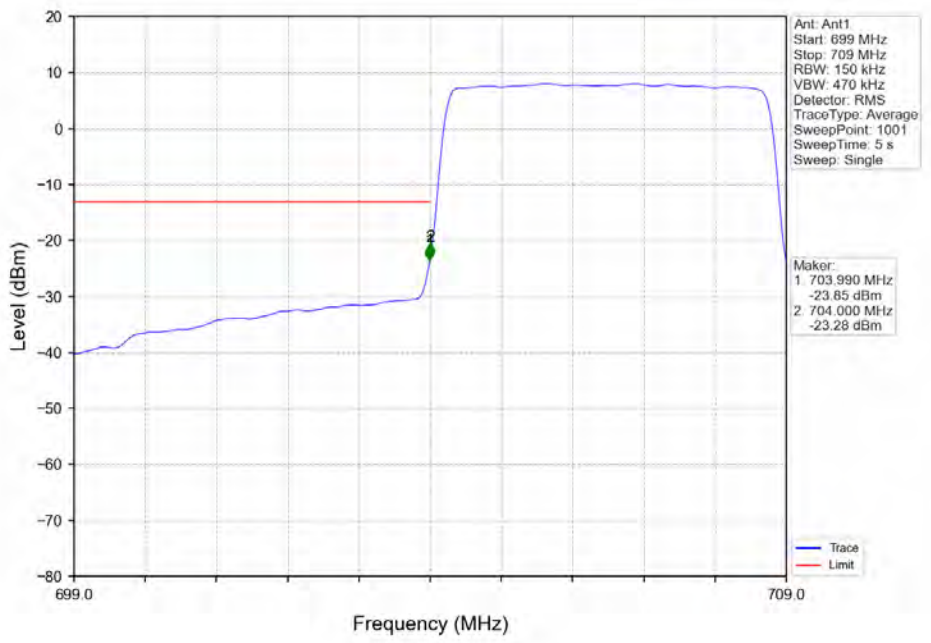

Band17_5MHz_16QAM_LCH_706.5MHz_RB_1_0_NTNV



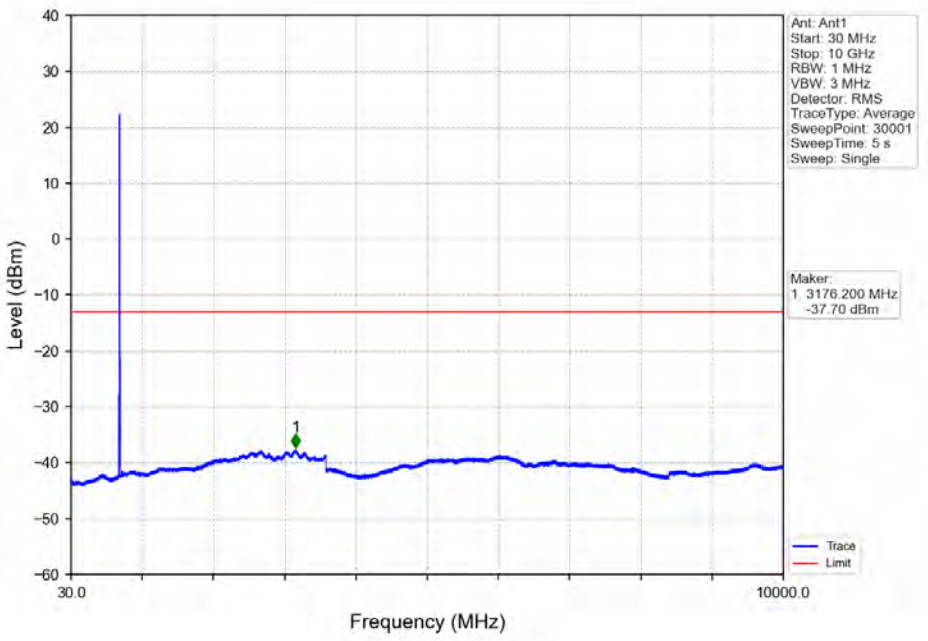
Band17_5MHz_16QAM_LCH_706.5MHz_RB_1_0_NTNV



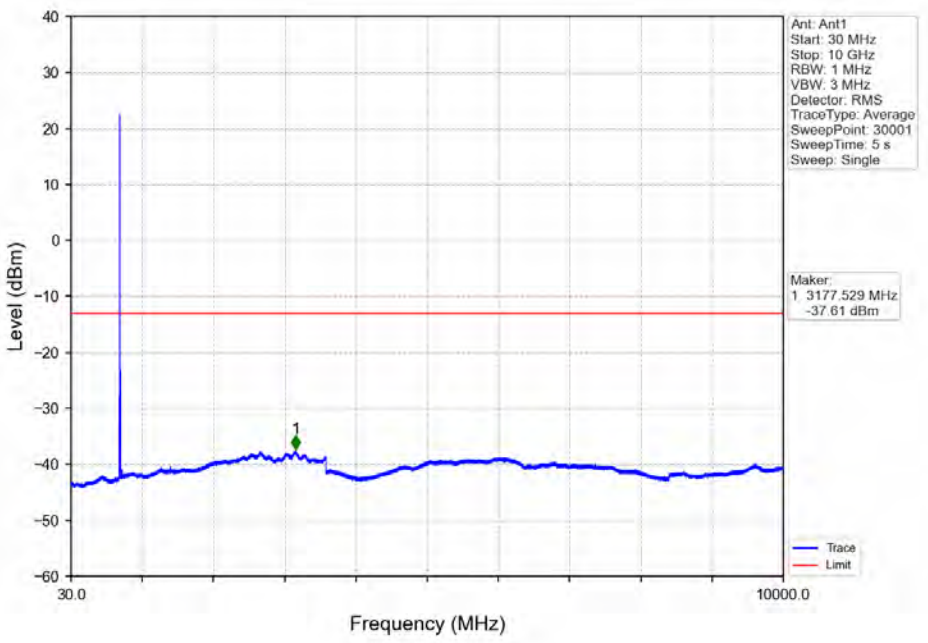

Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV



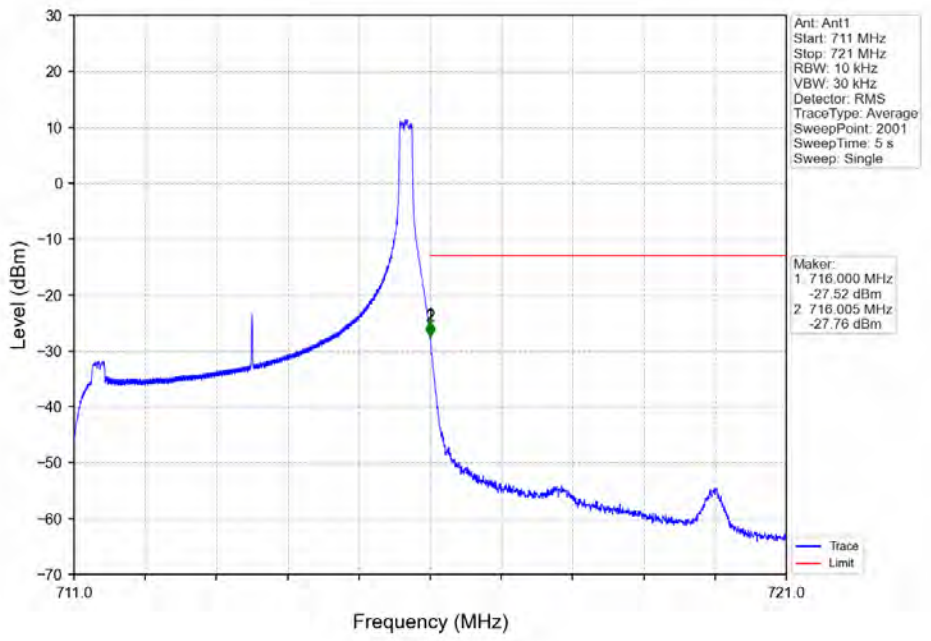
Band17_5MHz_16QAM_MCH_710MHz_RB_1_0_NTNV



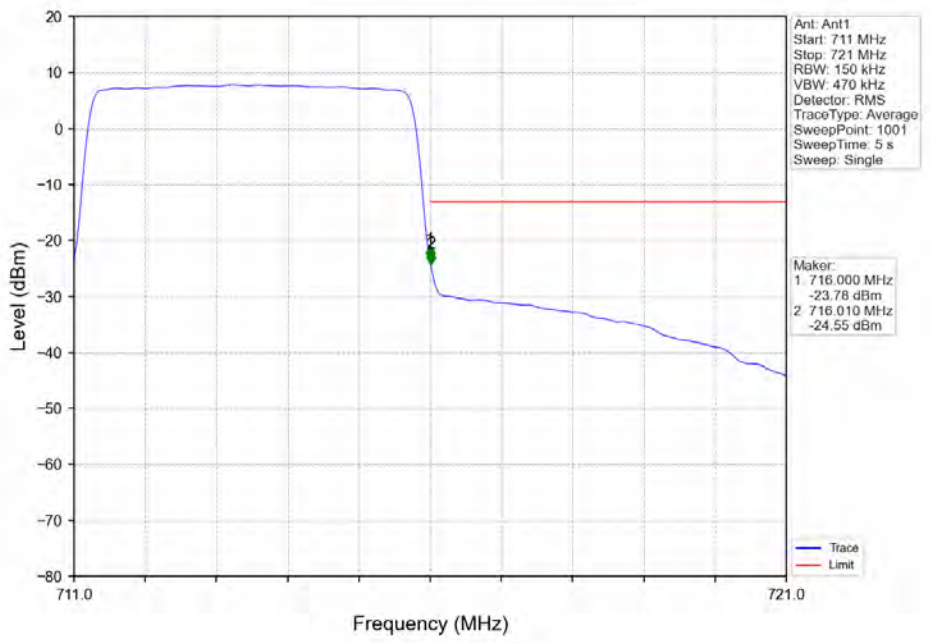

Band17_5MHz_16QAM_HCH_713.5MHz_RB_1_0_NTNV



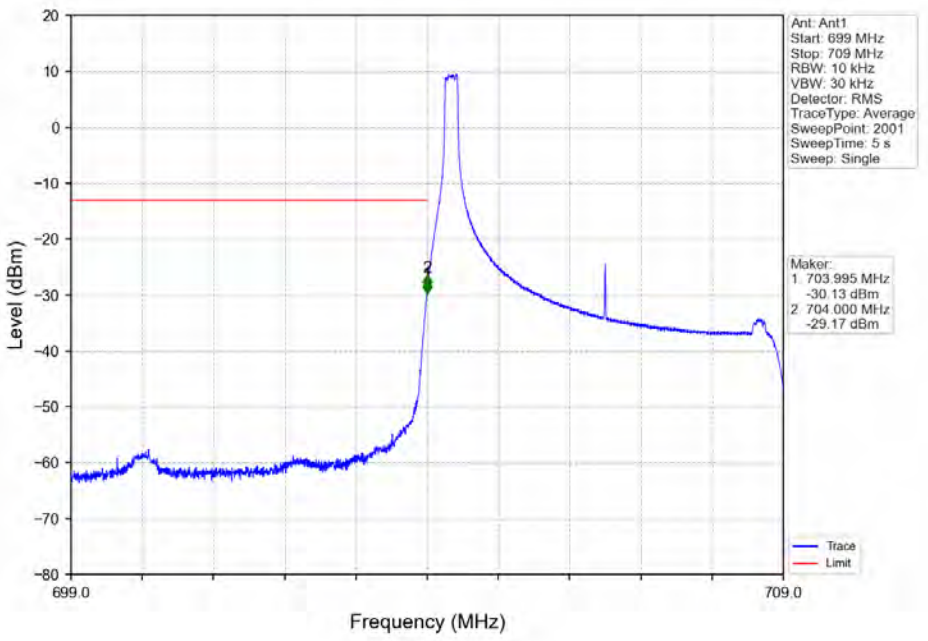
Band17_5MHz_16QAM_HCH_713.5MHz_RB_1_24_NTNV



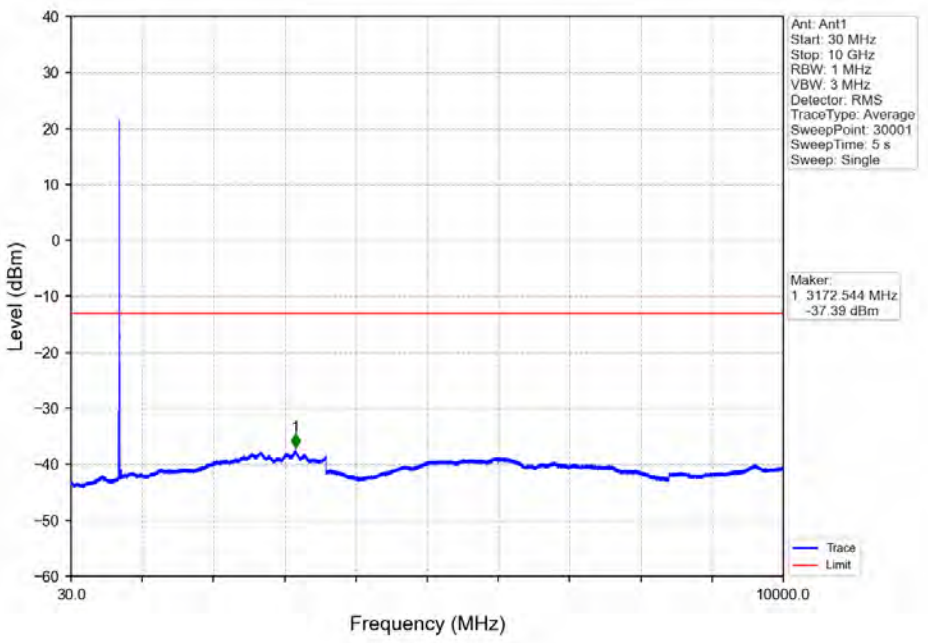

Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



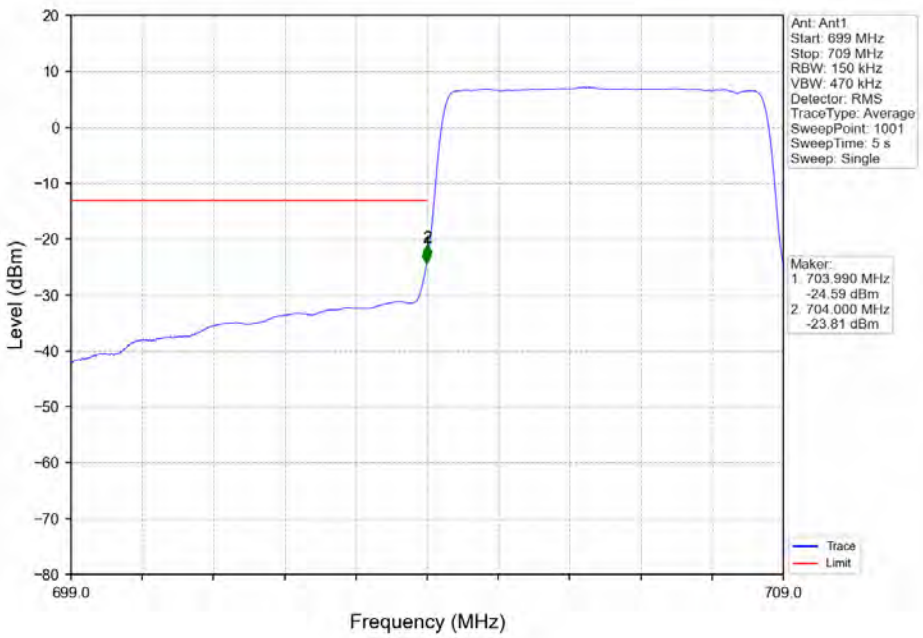
Band17_5MHz_64QAM_LCH_706.5MHz_RB_1_0_NTNV



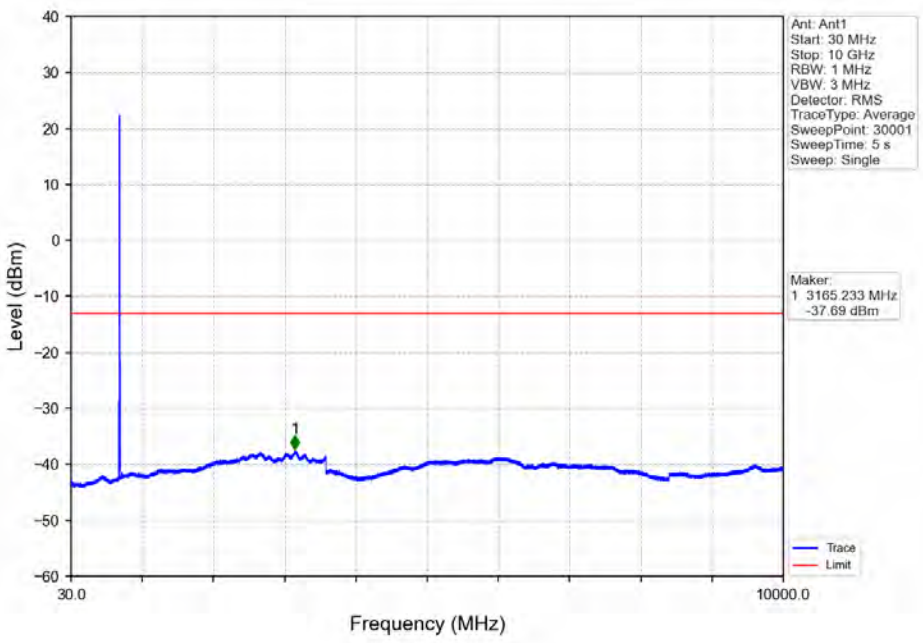

Band17_5MHz_64QAM_LCH_706.5MHz_RB_1_0_NTNV



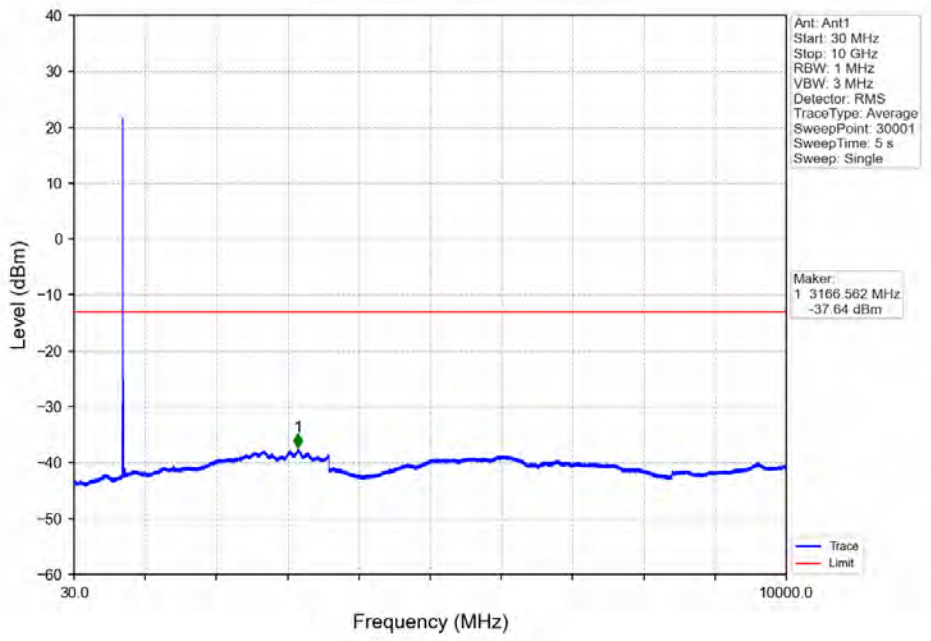
Band17_5MHz_64QAM_LCH_706.5MHz_RB_25_0_NTNV



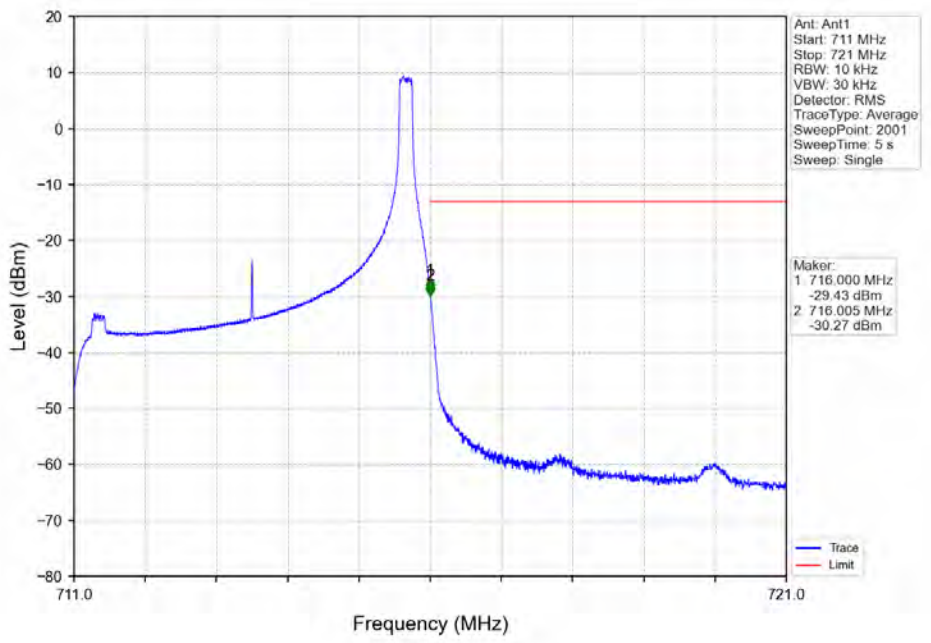

Band17_5MHz_64QAM_MCH_710MHz_RB_1_0_NTNV



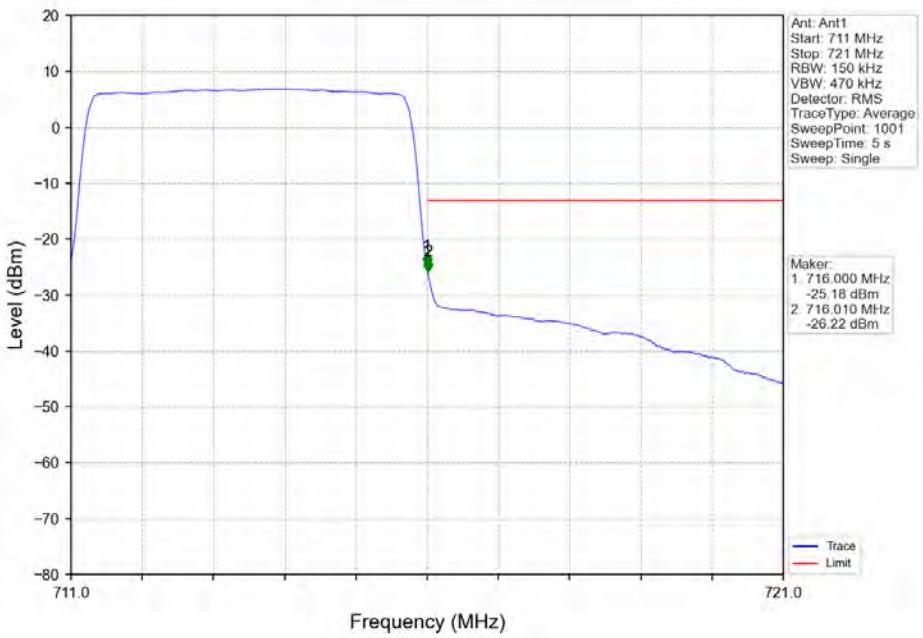
Band17_5MHz_64QAM_HCH_713.5MHz_RB_1_0_NTNV




Band17_5MHz_64QAM_HCH_713.5MHz_RB_1_24_NTNV



Band17_5MHz_64QAM_HCH_713.5MHz_RB_25_0_NTNV

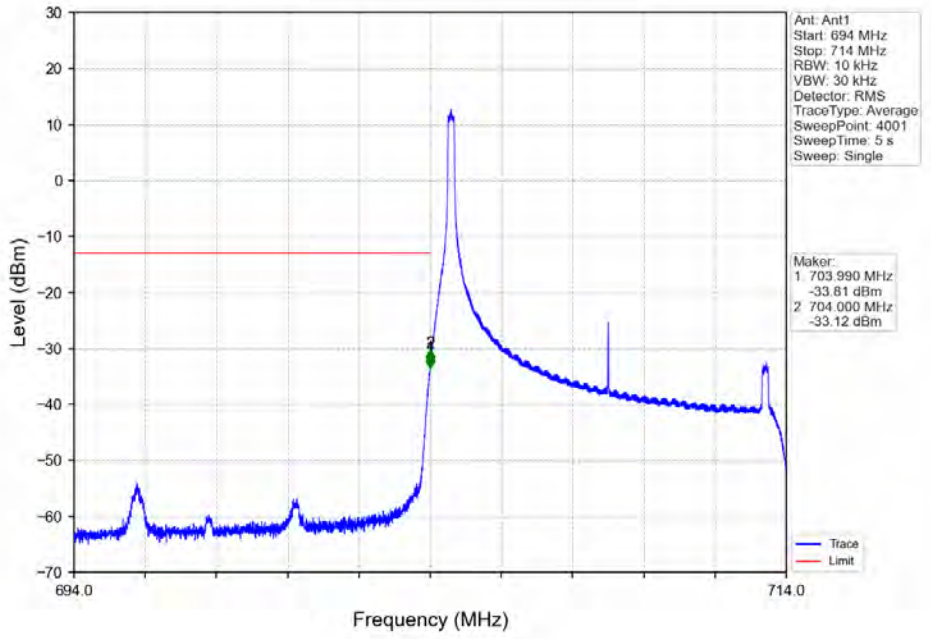


## B17_10MHZ TEST RESULT

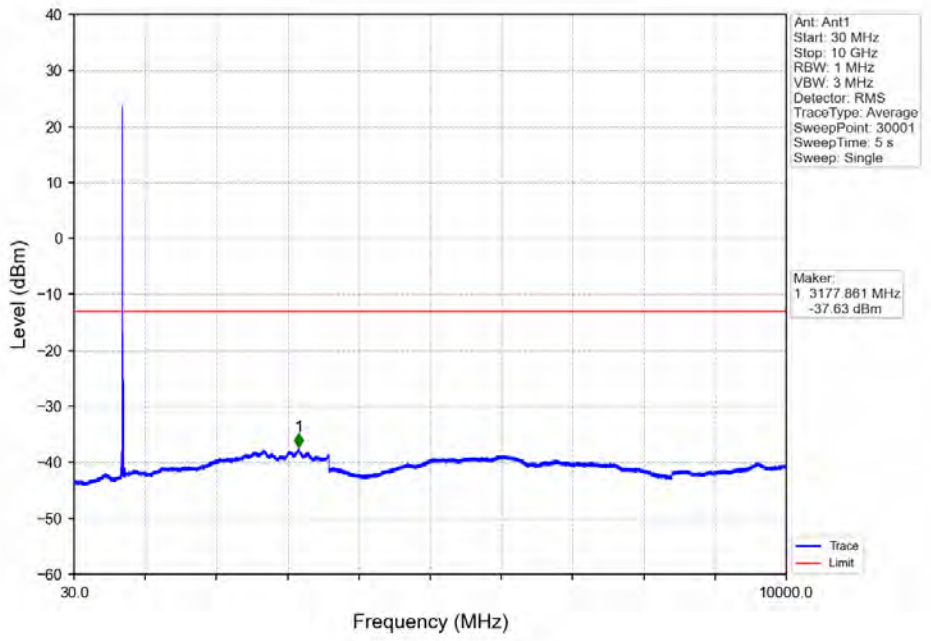
| Band: 17 / Bandwidth: 10MHz / NTNV | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Spurious Emission | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 709 | 1 | 0 | Refer To Test Graph | | Pass |
| | | 50 | 0 | Refer To Test Graph | | Pass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

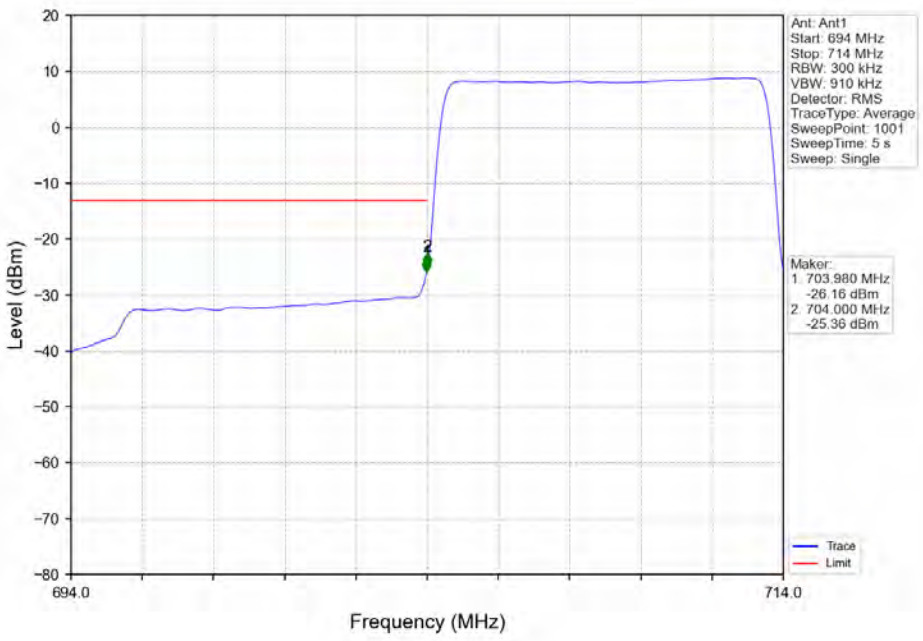
Band17_10MHz_QPSK_LCH_709MHz_RB_1_0_NTNV



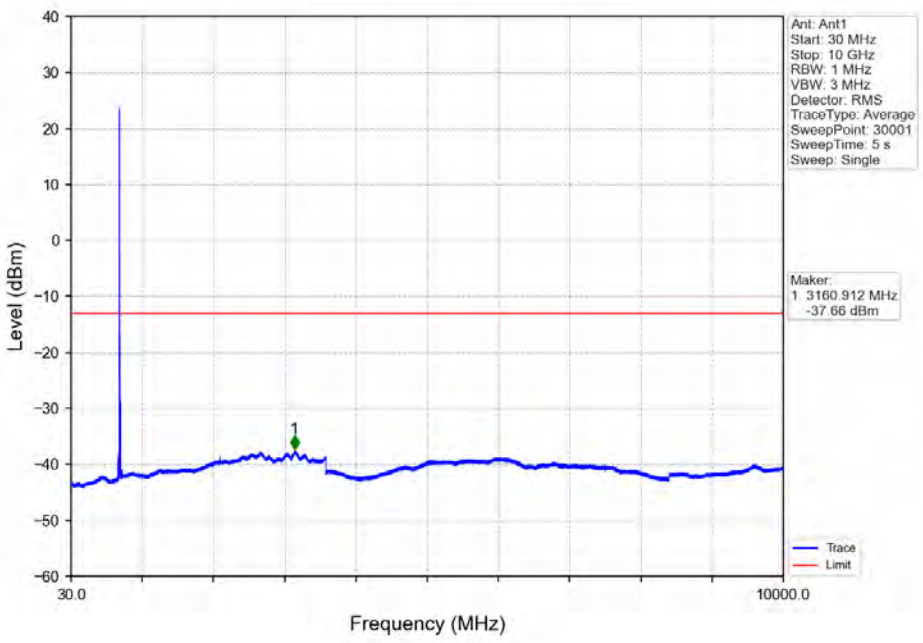

Band17_10MHz_QPSK_LCH_709MHz_RB_1_0_NTNV



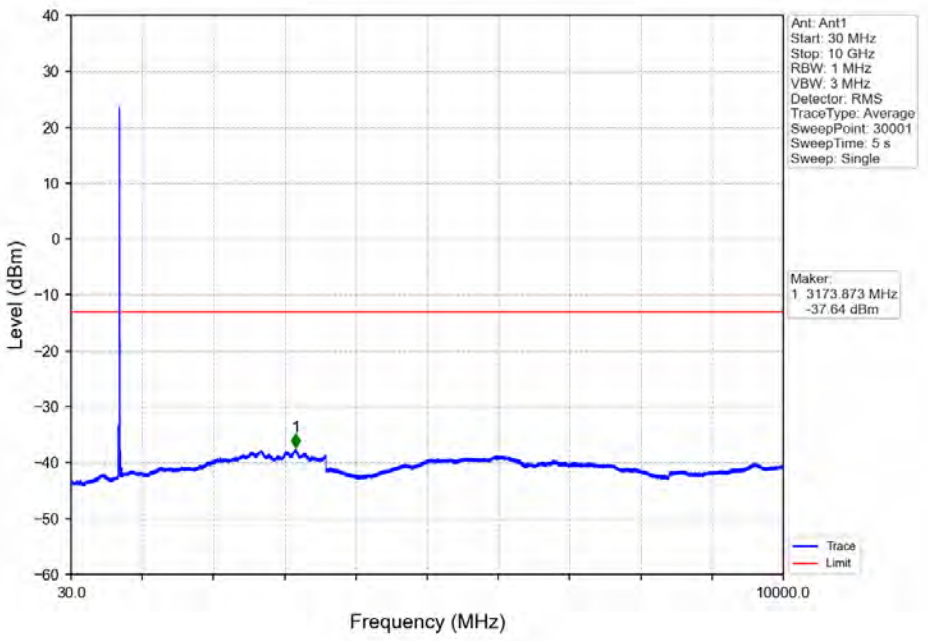
Band17_10MHz_QPSK_LCH_709MHz_RB_50_0_NTNV



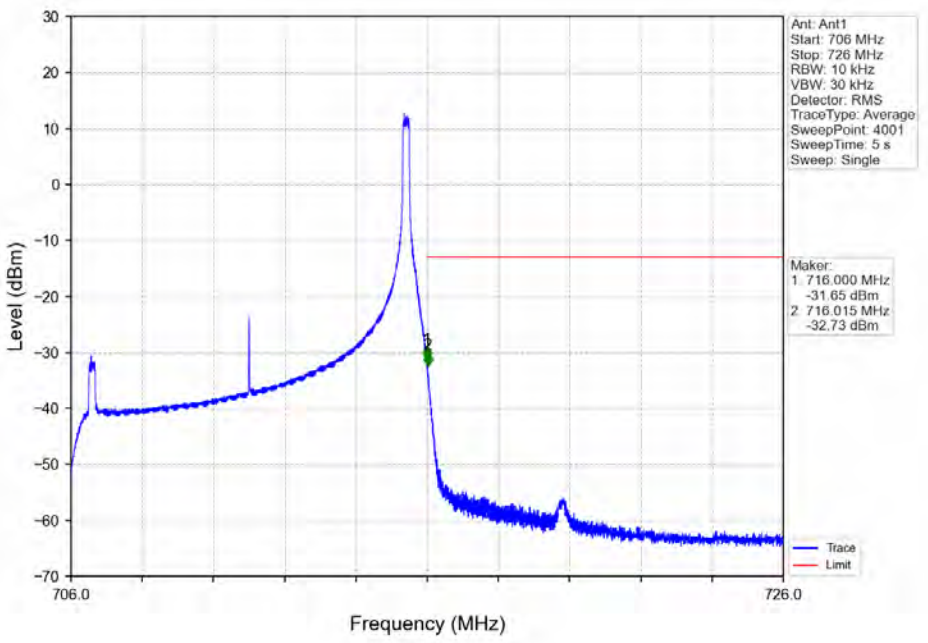

Band17_10MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



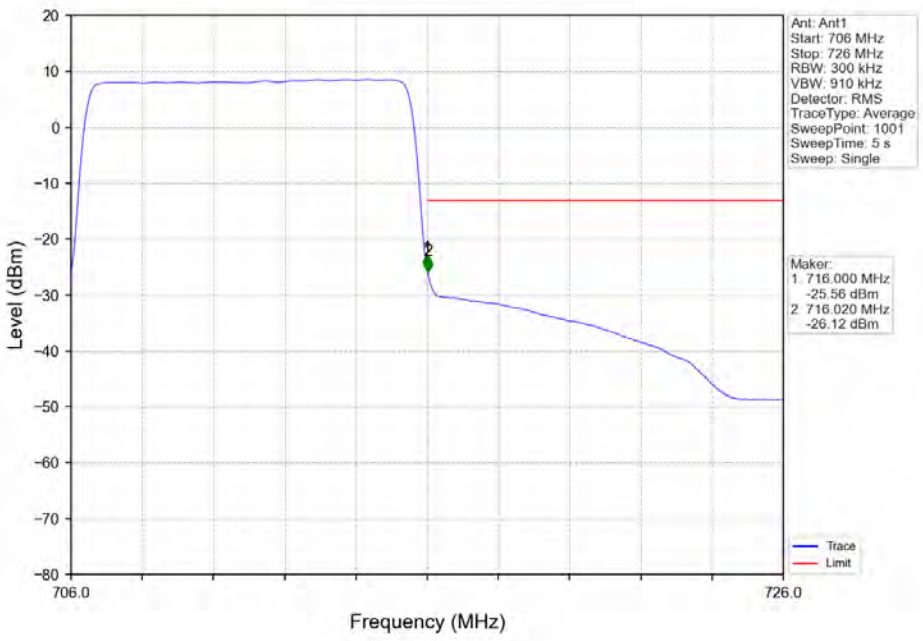
Band17_10MHz_QPSK_HCH_711MHz_RB_1_0_NTNV



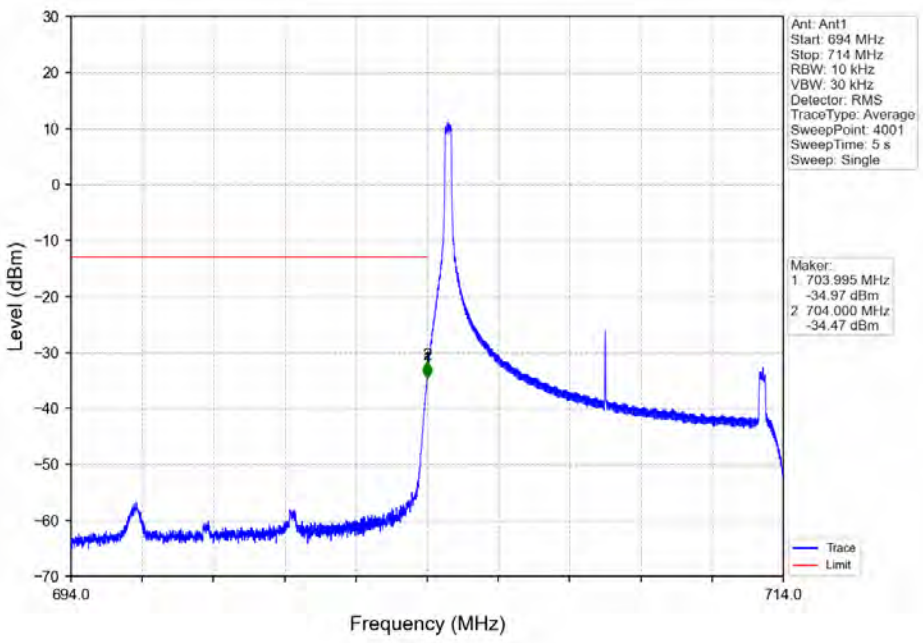

Band17_10MHz_QPSK_HCH_711MHz_RB_1_49_NTNV



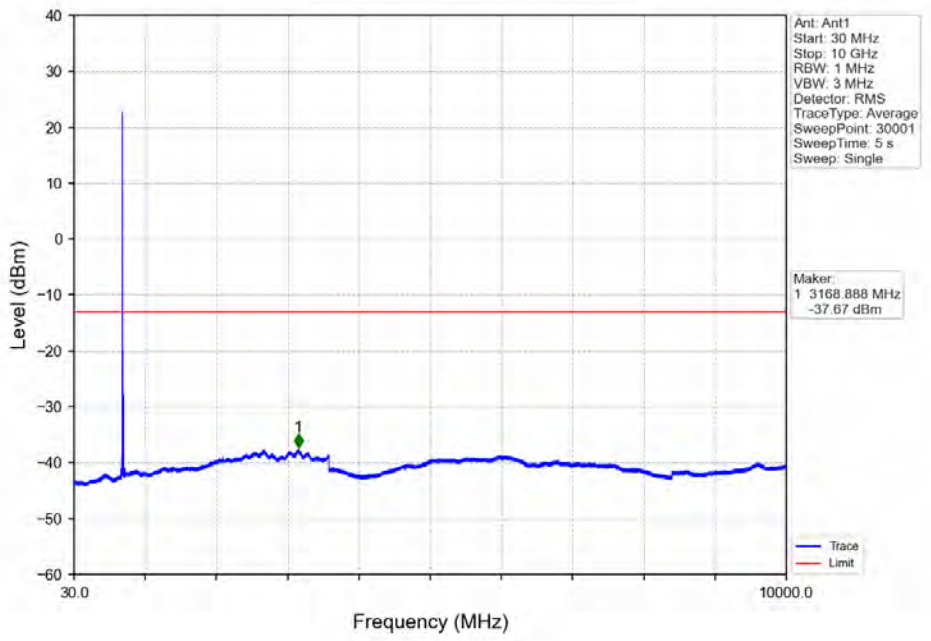
Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



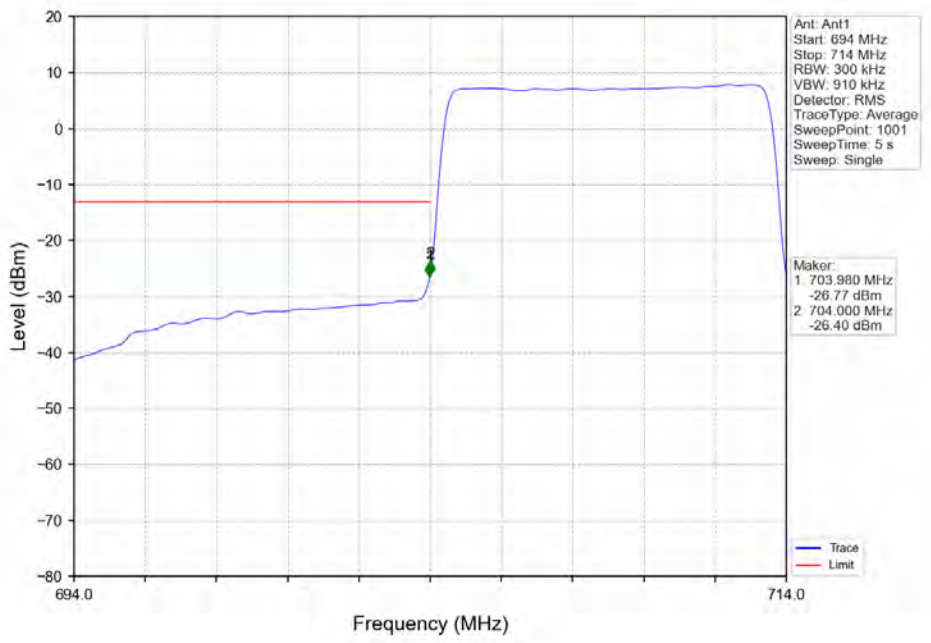

Band17_10MHz_16QAM_LCH_709MHz_RB_1_0_NTNV



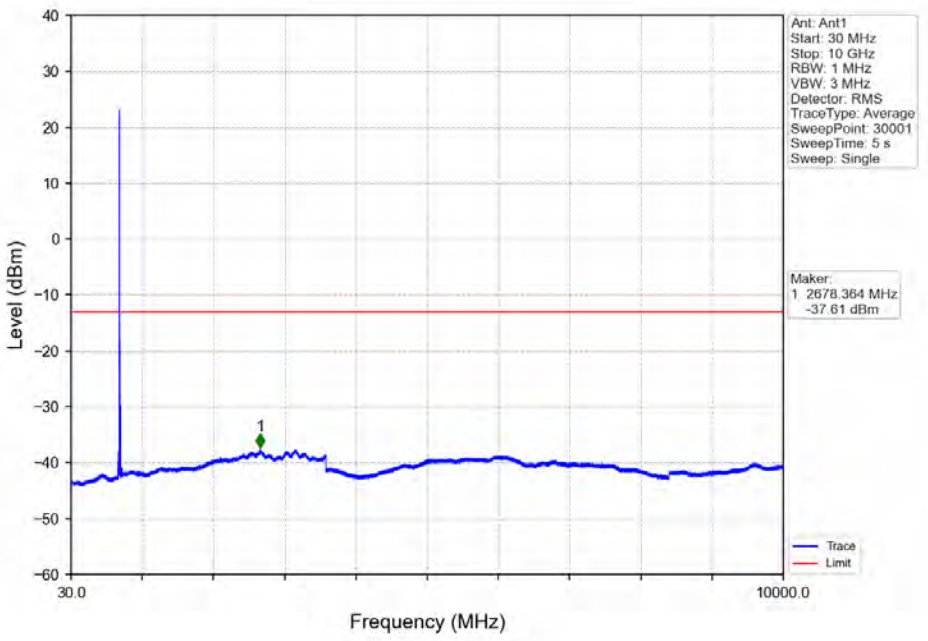
Band17_10MHz_16QAM_LCH_709MHz_RB_1_0_NTNV



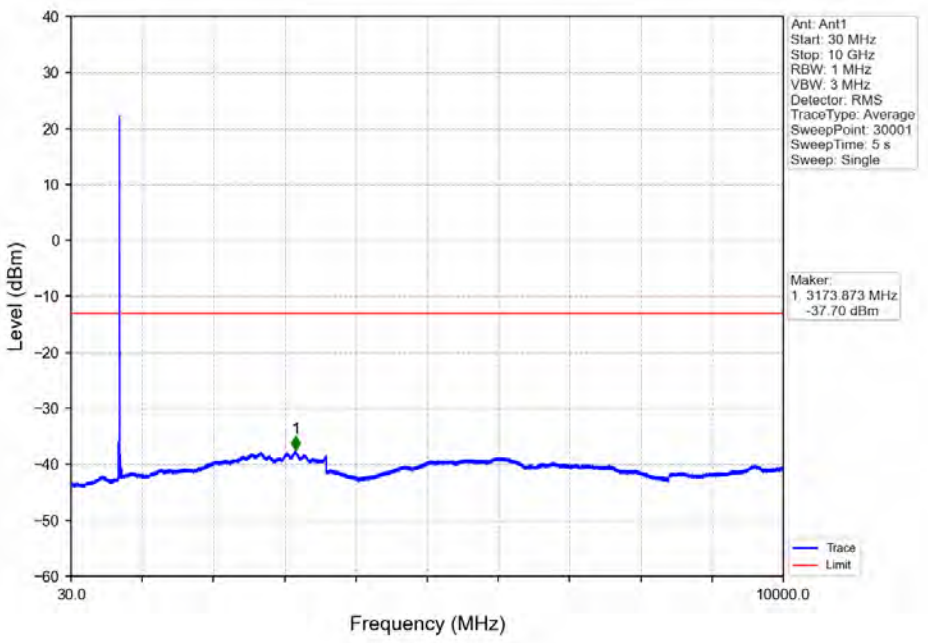

Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV



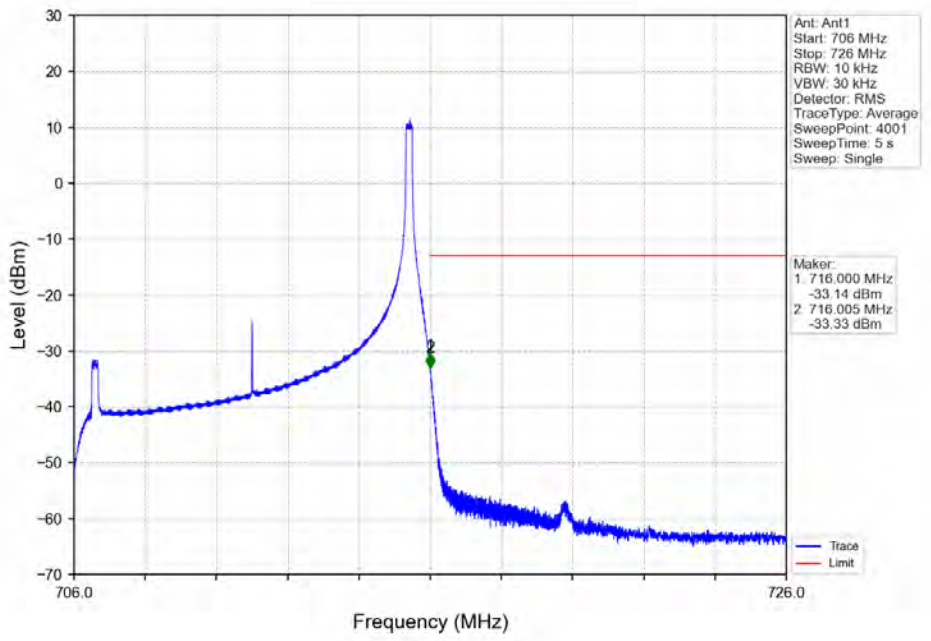
Band17_10MHz_16QAM_MCH_710MHz_RB_1_0_NTNV



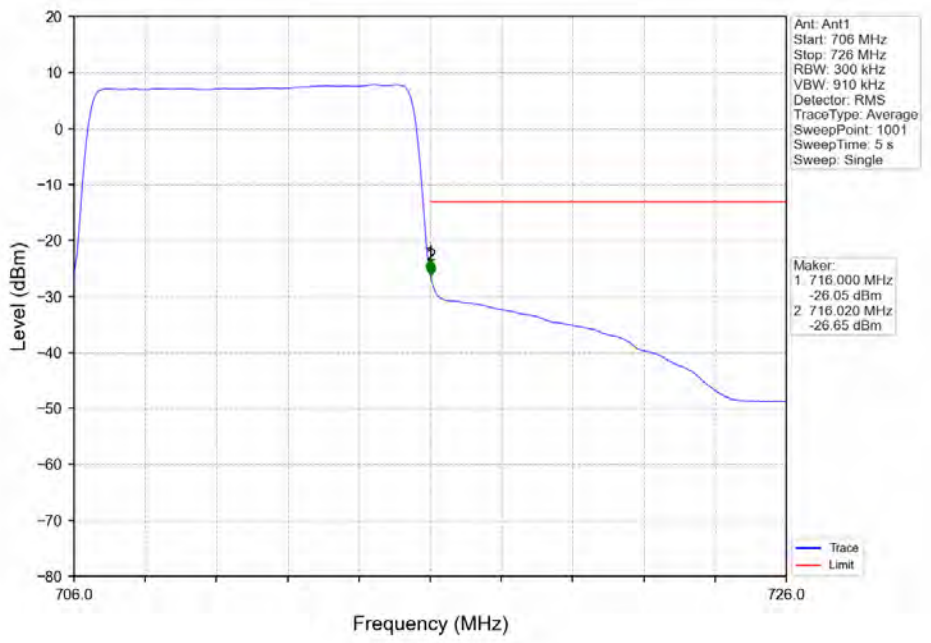

Band17_10MHz_16QAM_HCH_711MHz_RB_1_0_NTNV



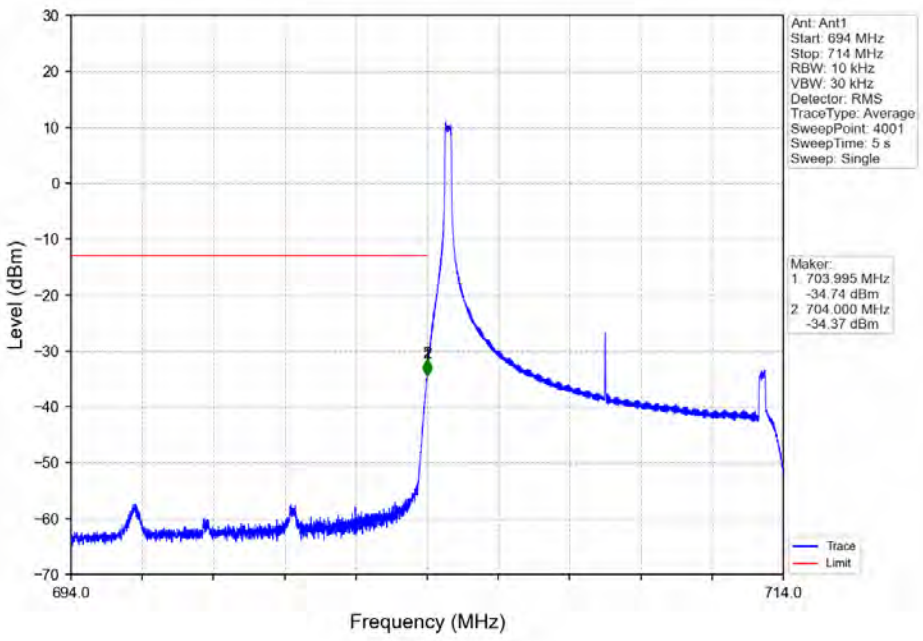
Band17_10MHz_16QAM_HCH_711MHz_RB_1_49_NTNV



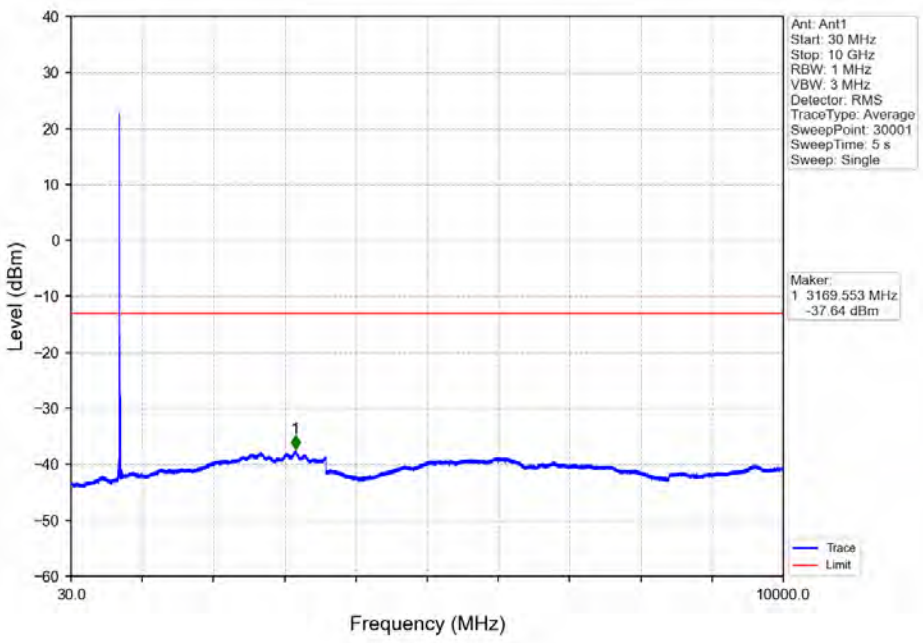

Band17_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



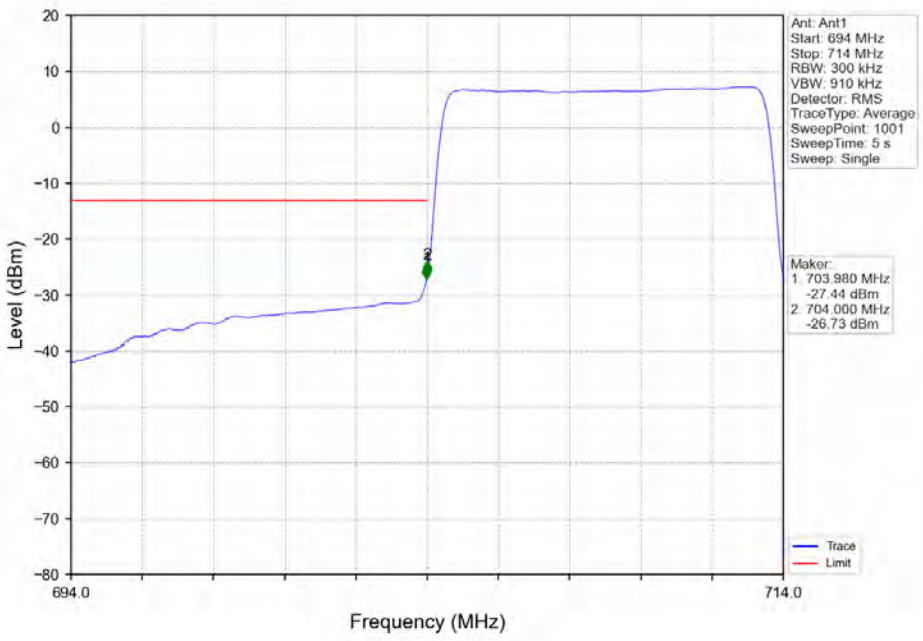
Band17_10MHz_64QAM_LCH_709MHz_RB_1_0_NTNV



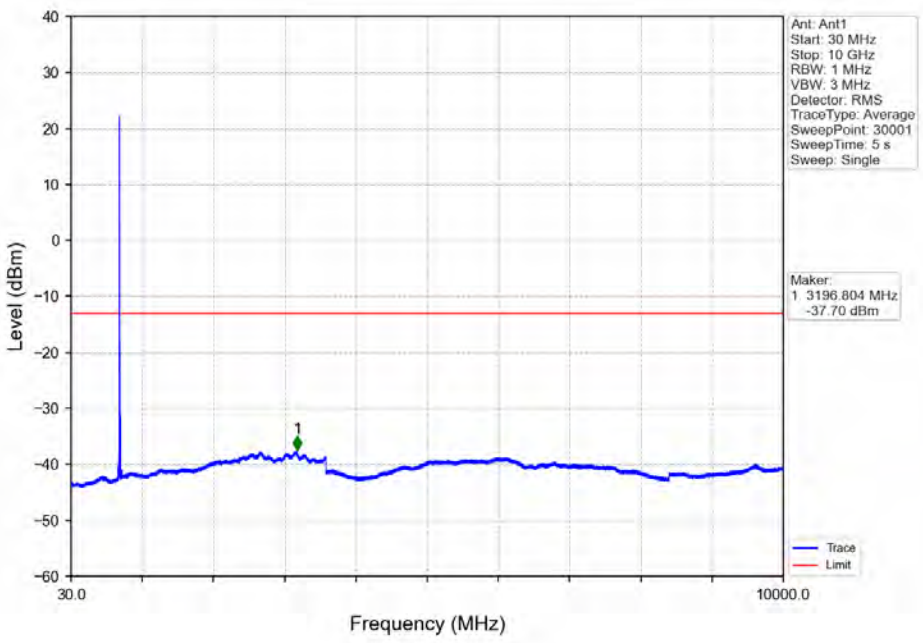

Band17_10MHz_64QAM_LCH_709MHz_RB_1_0_NTNV



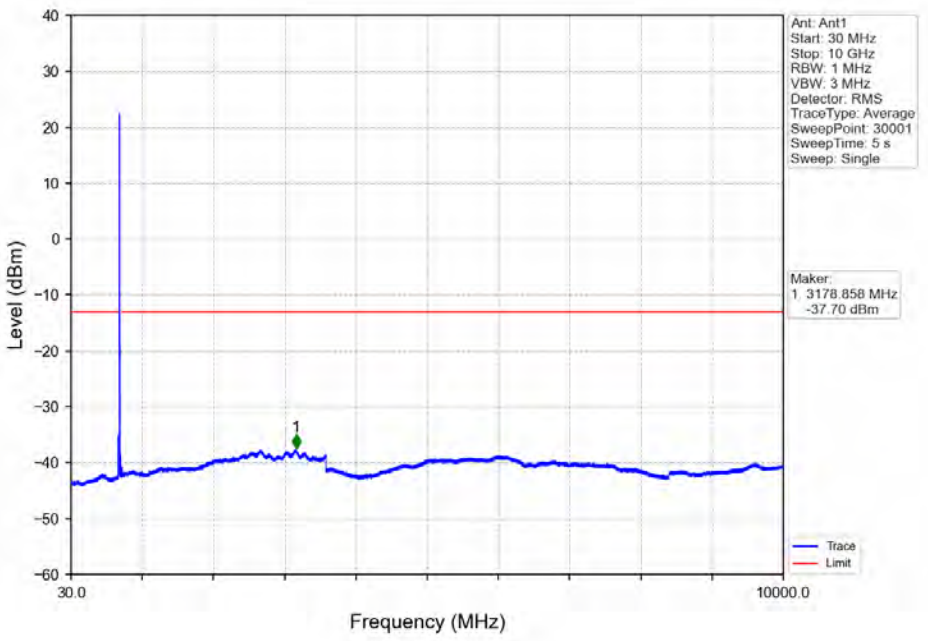
Band17_10MHz_64QAM_LCH_709MHz_RB_50_0_NTNV



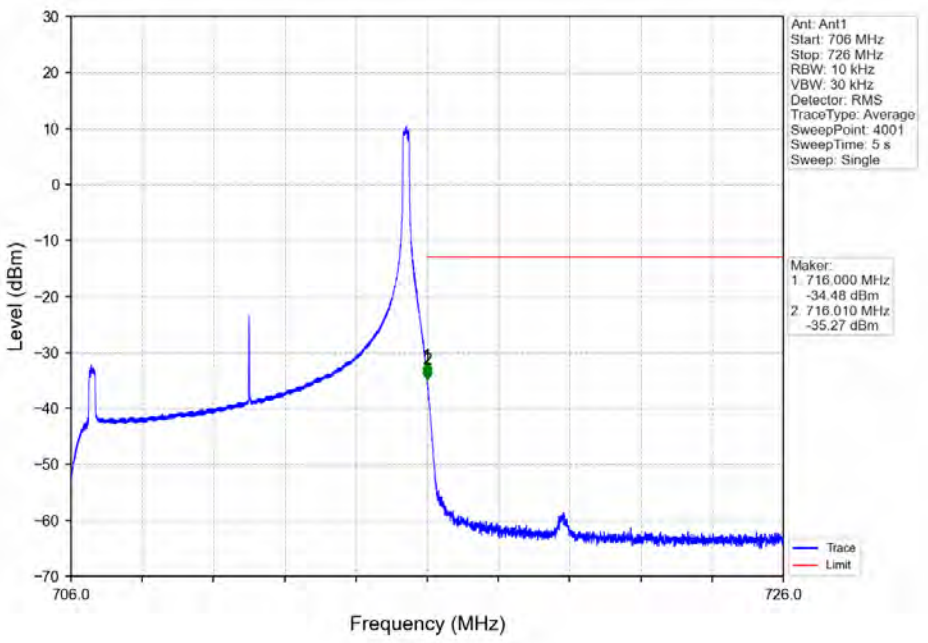

Band17_10MHz_64QAM_MCH_710MHz_RB_1_0_NTNV



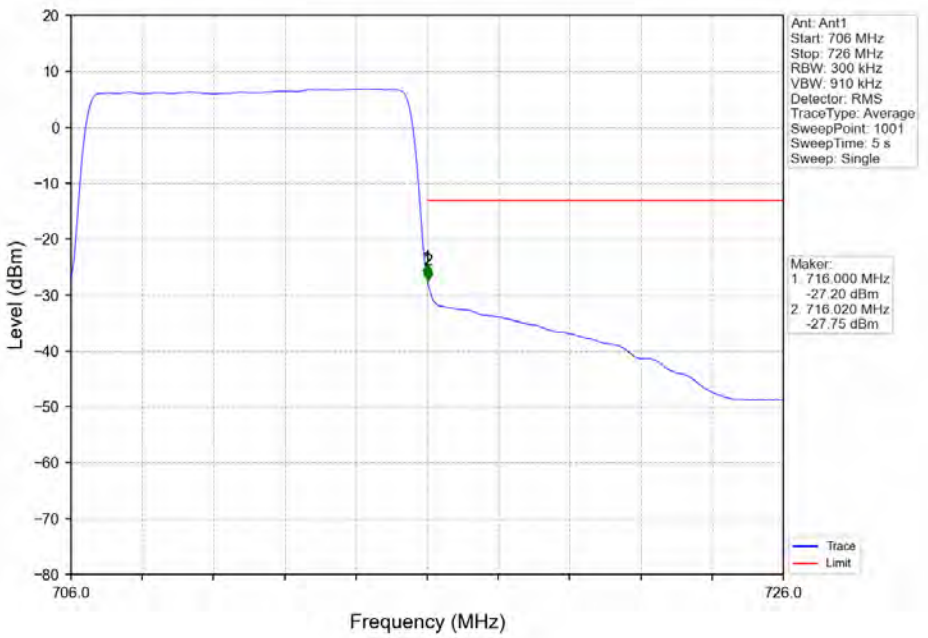
Band17_10MHz_64QAM_HCH_711MHz_RB_1_0_NTNV




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 |