# 1. Effective (Isotropic) Radiated Power Output Data

## 1.1 Test Result

### 1.1.1 B12_1.4MHz_ERP

| Band: 12 / Bandwidth: 1.4MHz / NTNV | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Conducted Power (dBm) | Gain (dBi) | ERP (dBm) | | Verdict |
| | | Size | Offset | | | Result | Limit | |
| QPSK | 699.7 | 1 | 0 | 23.77 | -6.00 | 15.62 | <=34.77 | Pass |
| | | | 2 | 23.91 | -6.00 | 15.76 | <=34.77 | Pass |
| | | | 5 | 23.70 | -6.00 | 15.55 | <=34.77 | Pass |
| | | 3 | 0 | 23.89 | -6.00 | 15.74 | <=34.77 | Pass |
| | | | 2 | 23.82 | -6.00 | 15.67 | <=34.77 | Pass |
| | | | 3 | 23.80 | -6.00 | 15.65 | <=34.77 | Pass |
| | | 6 | 0 | 22.75 | -6.00 | 14.60 | <=34.77 | Pass |
| | 707.5 | 1 | 0 | 23.76 | -6.00 | 15.61 | <=34.77 | Pass |
| | | | 2 | 23.68 | -6.00 | 15.53 | <=34.77 | Pass |
| | | | 5 | 23.69 | -6.00 | 15.54 | <=34.77 | Pass |
| | | 3 | 0 | 23.67 | -6.00 | 15.52 | <=34.77 | Pass |
| | | | 2 | 23.70 | -6.00 | 15.55 | <=34.77 | Pass |
| | | | 3 | 23.71 | -6.00 | 15.56 | <=34.77 | Pass |
| | | 6 | 0 | 22.68 | -6.00 | 14.53 | <=34.77 | Pass |
| | 715.3 | 1 | 0 | 23.69 | -6.00 | 15.54 | <=34.77 | Pass |
| | | | 2 | 23.78 | -6.00 | 15.63 | <=34.77 | Pass |
| | | | 5 | 23.90 | -6.00 | 15.75 | <=34.77 | Pass |
| | | 3 | 0 | 23.71 | -6.00 | 15.56 | <=34.77 | Pass |
| | | | 2 | 23.79 | -6.00 | 15.64 | <=34.77 | Pass |
| | | | 3 | 23.71 | -6.00 | 15.56 | <=34.77 | Pass |
| | | 6 | 0 | 22.70 | -6.00 | 14.55 | <=34.77 | Pass |
| 16QAM | 699.7 | 1 | 0 | 23.25 | -6.00 | 15.10 | <=34.77 | Pass |
| | | | 2 | 22.99 | -6.00 | 14.84 | <=34.77 | Pass |
| | | | 5 | 23.05 | -6.00 | 14.90 | <=34.77 | Pass |
| | | 3 | 0 | 22.98 | -6.00 | 14.83 | <=34.77 | Pass |
| | | | 2 | 22.91 | -6.00 | 14.76 | <=34.77 | Pass |
| | | | 3 | 22.78 | -6.00 | 14.63 | <=34.77 | Pass |
| | | 6 | 0 | 21.82 | -6.00 | 13.67 | <=34.77 | Pass |
| | 707.5 | 1 | 0 | 22.89 | -6.00 | 14.74 | <=34.77 | Pass |
| | | | 2 | 23.02 | -6.00 | 14.87 | <=34.77 | Pass |
| | | | 5 | 22.98 | -6.00 | 14.83 | <=34.77 | Pass |
| | | 3 | 0 | 22.85 | -6.00 | 14.70 | <=34.77 | Pass |
| | | | 2 | 22.90 | -6.00 | 14.75 | <=34.77 | Pass |
| | | | 3 | 22.98 | -6.00 | 14.83 | <=34.77 | Pass |
| | | 6 | 0 | 21.79 | -6.00 | 13.64 | <=34.77 | Pass |
| | 715.3 | 1 | 0 | 22.91 | -6.00 | 14.76 | <=34.77 | Pass |
| | | | 2 | 22.99 | -6.00 | 14.84 | <=34.77 | Pass |
| | | | 5 | 23.09 | -6.00 | 14.94 | <=34.77 | Pass |
| | | 3 | 0 | 22.95 | -6.00 | 14.80 | <=34.77 | Pass |
| | | | 2 | 22.84 | -6.00 | 14.69 | <=34.77 | Pass |
| | | | 3 | 22.92 | -6.00 | 14.77 | <=34.77 | Pass |
| | | 6 | 0 | 21.73 | -6.00 | 13.58 | <=34.77 | Pass |
| 64QAM | 699.7 | 1 | 0 | 22.83 | -6.00 | 14.68 | <=34.77 | Pass |
| | | | 2 | 22.92 | -6.00 | 14.77 | <=34.77 | Pass |
| | | | 5 | 22.97 | -6.00 | 14.82 | <=34.77 | Pass |
| | | 3 | 0 | 22.84 | -6.00 | 14.69 | <=34.77 | Pass |
| | | | 2 | 22.84 | -6.00 | 14.69 | <=34.77 | Pass |
| | | | 3 | 22.80 | -6.00 | 14.65 | <=34.77 | Pass |
| | | 6 | 0 | 21.79 | -6.00 | 13.64 | <=34.77 | Pass |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | 707.5 | 1 | 0 | 22.86 | -6.00 | 14.71 | <=34.77 | Pass |
| | | | 2 | 22.91 | -6.00 | 14.76 | <=34.77 | Pass |
| | | | 5 | 22.70 | -6.00 | 14.55 | <=34.77 | Pass |
| | | 3 | 0 | 22.83 | -6.00 | 14.68 | <=34.77 | Pass |
| | | | 2 | 22.75 | -6.00 | 14.60 | <=34.77 | Pass |
| | | | 3 | 22.81 | -6.00 | 14.66 | <=34.77 | Pass |
| | | 6 | 0 | 21.74 | -6.00 | 13.59 | <=34.77 | Pass |
| | 715.3 | 1 | 0 | 22.79 | -6.00 | 14.64 | <=34.77 | Pass |
| | | | 2 | 22.82 | -6.00 | 14.67 | <=34.77 | Pass |
| | | | 5 | 22.80 | -6.00 | 14.65 | <=34.77 | Pass |
| | | 3 | 0 | 22.77 | -6.00 | 14.62 | <=34.77 | Pass |
| | | | 2 | 22.72 | -6.00 | 14.57 | <=34.77 | Pass |
| | | | 3 | 22.81 | -6.00 | 14.66 | <=34.77 | Pass |
| | | 6 | 0 | 21.73 | -6.00 | 13.58 | <=34.77 | Pass |
| Note1: ERP=Conducted Power+Antenna Gain-2.15 | | | | | | | | |

## 1.1.2 B12_3MHz_ERP

| Band: 12 / Bandwidth: 3MHz / NTNV | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Conducted Power (dBm) | Gain (dBi) | ERP (dBm) | | Verdict |
| | | Size | Offset | | | Result | Limit | |
| QPSK | 700.5 | 1 | 0 | 23.81 | -6.00 | 15.66 | <=34.77 | Pass |
| | | | 7 | 23.80 | -6.00 | 15.65 | <=34.77 | Pass |
| | | | 14 | 23.73 | -6.00 | 15.58 | <=34.77 | Pass |
| | | 8 | 0 | 22.84 | -6.00 | 14.69 | <=34.77 | Pass |
| | | | 4 | 22.80 | -6.00 | 14.65 | <=34.77 | Pass |
| | | | 7 | 22.77 | -6.00 | 14.62 | <=34.77 | Pass |
| | | 15 | 0 | 22.86 | -6.00 | 14.71 | <=34.77 | Pass |
| | 707.5 | 1 | 0 | 23.67 | -6.00 | 15.52 | <=34.77 | Pass |
| | | | 7 | 23.79 | -6.00 | 15.64 | <=34.77 | Pass |
| | | | 14 | 23.68 | -6.00 | 15.53 | <=34.77 | Pass |
| | | 8 | 0 | 22.68 | -6.00 | 14.53 | <=34.77 | Pass |
| | | | 4 | 22.77 | -6.00 | 14.62 | <=34.77 | Pass |
| | | | 7 | 22.74 | -6.00 | 14.59 | <=34.77 | Pass |
| | | 15 | 0 | 22.77 | -6.00 | 14.62 | <=34.77 | Pass |
| | 714.5 | 1 | 0 | 23.59 | -6.00 | 15.44 | <=34.77 | Pass |
| | | | 7 | 23.80 | -6.00 | 15.65 | <=34.77 | Pass |
| | | | 14 | 23.66 | -6.00 | 15.51 | <=34.77 | Pass |
| | | 8 | 0 | 22.74 | -6.00 | 14.59 | <=34.77 | Pass |
| | | | 4 | 22.78 | -6.00 | 14.63 | <=34.77 | Pass |
| | | | 7 | 22.76 | -6.00 | 14.61 | <=34.77 | Pass |
| | | 15 | 0 | 22.73 | -6.00 | 14.58 | <=34.77 | Pass |
| 16QAM | 700.5 | 1 | 0 | 23.10 | -6.00 | 14.95 | <=34.77 | Pass |
| | | | 7 | 23.12 | -6.00 | 14.97 | <=34.77 | Pass |
| | | | 14 | 23.14 | -6.00 | 14.99 | <=34.77 | Pass |
| | | 8 | 0 | 21.95 | -6.00 | 13.80 | <=34.77 | Pass |
| | | | 4 | 21.93 | -6.00 | 13.78 | <=34.77 | Pass |
| | | | 7 | 21.79 | -6.00 | 13.64 | <=34.77 | Pass |
| | | 15 | 0 | 21.87 | -6.00 | 13.72 | <=34.77 | Pass |
| | 707.5 | 1 | 0 | 23.01 | -6.00 | 14.86 | <=34.77 | Pass |
| | | | 7 | 23.20 | -6.00 | 15.05 | <=34.77 | Pass |
| | | | 14 | 22.98 | -6.00 | 14.83 | <=34.77 | Pass |
| | | 8 | 0 | 21.70 | -6.00 | 13.55 | <=34.77 | Pass |
| | | | 4 | 21.92 | -6.00 | 13.77 | <=34.77 | Pass |
| | | | 7 | 21.80 | -6.00 | 13.65 | <=34.77 | Pass |
| | | 15 | 0 | 21.76 | -6.00 | 13.61 | <=34.77 | Pass |
| | 714.5 | 1 | 0 | 23.04 | -6.00 | 14.89 | <=34.77 | Pass |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | 7 | 23.19 | -6.00 | 15.04 | <=34.77 | Pass |
| | | | 14 | 23.17 | -6.00 | 15.02 | <=34.77 | Pass |
| | | 8 | 0 | 21.79 | -6.00 | 13.64 | <=34.77 | Pass |
| | | | 4 | 21.95 | -6.00 | 13.80 | <=34.77 | Pass |
| | | | 7 | 21.82 | -6.00 | 13.67 | <=34.77 | Pass |
| | | 15 | 0 | 21.63 | -6.00 | 13.48 | <=34.77 | Pass |
| 64QAM | 700.5 | 1 | 0 | 22.85 | -6.00 | 14.70 | <=34.77 | Pass |
| | | | 7 | 23.01 | -6.00 | 14.86 | <=34.77 | Pass |
| | | | 14 | 22.64 | -6.00 | 14.49 | <=34.77 | Pass |
| | | 8 | 0 | 21.79 | -6.00 | 13.64 | <=34.77 | Pass |
| | | | 4 | 21.88 | -6.00 | 13.73 | <=34.77 | Pass |
| | | | 7 | 21.81 | -6.00 | 13.66 | <=34.77 | Pass |
| | | 15 | 0 | 21.86 | -6.00 | 13.71 | <=34.77 | Pass |
| | 707.5 | 1 | 0 | 22.85 | -6.00 | 14.70 | <=34.77 | Pass |
| | | | 7 | 22.84 | -6.00 | 14.69 | <=34.77 | Pass |
| | | | 14 | 22.83 | -6.00 | 14.68 | <=34.77 | Pass |
| | | 8 | 0 | 21.71 | -6.00 | 13.56 | <=34.77 | Pass |
| | | | 4 | 21.80 | -6.00 | 13.65 | <=34.77 | Pass |
| | | | 7 | 21.75 | -6.00 | 13.60 | <=34.77 | Pass |
| | | 15 | 0 | 21.74 | -6.00 | 13.59 | <=34.77 | Pass |
| | 714.5 | 1 | 0 | 22.80 | -6.00 | 14.65 | <=34.77 | Pass |
| | | | 7 | 22.89 | -6.00 | 14.74 | <=34.77 | Pass |
| | | | 14 | 22.67 | -6.00 | 14.52 | <=34.77 | Pass |
| | | 8 | 0 | 21.66 | -6.00 | 13.51 | <=34.77 | Pass |
| | | | 4 | 21.76 | -6.00 | 13.61 | <=34.77 | Pass |
| | | | 7 | 21.77 | -6.00 | 13.62 | <=34.77 | Pass |
| | | 15 | 0 | 21.74 | -6.00 | 13.59 | <=34.77 | Pass |
| Note1: ERP=Conducted Power+Antenna Gain-2.15 | | | | | | | | |

### 1.1.3 B12_5MHz_ERP

| Band: 12 / Bandwidth: 5MHz / NTNV | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Conducted Power (dBm) | Gain (dBi) | ERP (dBm) | | Verdict |
| | | Size | Offset | | | Result | Limit | |
| QPSK | 701.5 | 1 | 0 | 23.74 | -6.00 | 15.59 | <=34.77 | Pass |
| | | | 13 | 23.86 | -6.00 | 15.71 | <=34.77 | Pass |
| | | | 24 | 23.69 | -6.00 | 15.54 | <=34.77 | Pass |
| | | 12 | 0 | 22.79 | -6.00 | 14.64 | <=34.77 | Pass |
| | | | 6 | 22.87 | -6.00 | 14.72 | <=34.77 | Pass |
| | | | 13 | 22.77 | -6.00 | 14.62 | <=34.77 | Pass |
| | | 25 | 0 | 22.79 | -6.00 | 14.64 | <=34.77 | Pass |
| | 707.5 | 1 | 0 | 23.78 | -6.00 | 15.63 | <=34.77 | Pass |
| | | | 13 | 23.75 | -6.00 | 15.60 | <=34.77 | Pass |
| | | | 24 | 23.66 | -6.00 | 15.51 | <=34.77 | Pass |
| | | 12 | 0 | 22.65 | -6.00 | 14.50 | <=34.77 | Pass |
| | | | 6 | 22.70 | -6.00 | 14.55 | <=34.77 | Pass |
| | | | 13 | 22.79 | -6.00 | 14.64 | <=34.77 | Pass |
| | | 25 | 0 | 22.77 | -6.00 | 14.62 | <=34.77 | Pass |
| | 713.5 | 1 | 0 | 23.86 | -6.00 | 15.71 | <=34.77 | Pass |
| | | | 13 | 23.94 | -6.00 | 15.79 | <=34.77 | Pass |
| | | | 24 | 23.80 | -6.00 | 15.65 | <=34.77 | Pass |
| | | 12 | 0 | 22.74 | -6.00 | 14.59 | <=34.77 | Pass |
| | | | 6 | 22.73 | -6.00 | 14.58 | <=34.77 | Pass |
| | | | 13 | 22.74 | -6.00 | 14.59 | <=34.77 | Pass |
| | | 25 | 0 | 22.70 | -6.00 | 14.55 | <=34.77 | Pass |
| 16QAM | 701.5 | 1 | 0 | 23.21 | -6.00 | 15.06 | <=34.77 | Pass |
| | | | 13 | 23.25 | -6.00 | 15.10 | <=34.77 | Pass |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | 24 | 23.09 | -6.00 | 14.94 | <=34.77 | Pass |
| | | 12 | 0 | 21.87 | -6.00 | 13.72 | <=34.77 | Pass |
| | | | 6 | 21.88 | -6.00 | 13.73 | <=34.77 | Pass |
| | | | 13 | 21.79 | -6.00 | 13.64 | <=34.77 | Pass |
| | | 25 | 0 | 21.77 | -6.00 | 13.62 | <=34.77 | Pass |
| | 707.5 | 1 | 0 | 23.22 | -6.00 | 15.07 | <=34.77 | Pass |
| | | | 13 | 23.21 | -6.00 | 15.06 | <=34.77 | Pass |
| | | | 24 | 23.01 | -6.00 | 14.86 | <=34.77 | Pass |
| | | 12 | 0 | 21.73 | -6.00 | 13.58 | <=34.77 | Pass |
| | | | 6 | 21.73 | -6.00 | 13.58 | <=34.77 | Pass |
| | | | 13 | 21.78 | -6.00 | 13.63 | <=34.77 | Pass |
| | | 25 | 0 | 21.76 | -6.00 | 13.61 | <=34.77 | Pass |
| | 713.5 | 1 | 0 | 22.94 | -6.00 | 14.79 | <=34.77 | Pass |
| | | | 13 | 23.19 | -6.00 | 15.04 | <=34.77 | Pass |
| | | | 24 | 23.04 | -6.00 | 14.89 | <=34.77 | Pass |
| | | 12 | 0 | 21.71 | -6.00 | 13.56 | <=34.77 | Pass |
| | | | 6 | 21.82 | -6.00 | 13.67 | <=34.77 | Pass |
| | | | 13 | 21.83 | -6.00 | 13.68 | <=34.77 | Pass |
| | | 25 | 0 | 21.79 | -6.00 | 13.64 | <=34.77 | Pass |
| 64QAM | 701.5 | 1 | 0 | 22.94 | -6.00 | 14.79 | <=34.77 | Pass |
| | | | 13 | 22.86 | -6.00 | 14.71 | <=34.77 | Pass |
| | | | 24 | 22.80 | -6.00 | 14.65 | <=34.77 | Pass |
| | | 12 | 0 | 21.86 | -6.00 | 13.71 | <=34.77 | Pass |
| | | | 6 | 21.85 | -6.00 | 13.70 | <=34.77 | Pass |
| | | | 13 | 21.77 | -6.00 | 13.62 | <=34.77 | Pass |
| | | 25 | 0 | 21.75 | -6.00 | 13.60 | <=34.77 | Pass |
| | 707.5 | 1 | 0 | 22.79 | -6.00 | 14.64 | <=34.77 | Pass |
| | | | 13 | 22.89 | -6.00 | 14.74 | <=34.77 | Pass |
| | | | 24 | 22.82 | -6.00 | 14.67 | <=34.77 | Pass |
| | | 12 | 0 | 21.73 | -6.00 | 13.58 | <=34.77 | Pass |
| | | | 6 | 21.73 | -6.00 | 13.58 | <=34.77 | Pass |
| | | | 13 | 21.82 | -6.00 | 13.67 | <=34.77 | Pass |
| | | 25 | 0 | 21.75 | -6.00 | 13.60 | <=34.77 | Pass |
| | 713.5 | 1 | 0 | 22.85 | -6.00 | 14.70 | <=34.77 | Pass |
| | | | 13 | 23.04 | -6.00 | 14.89 | <=34.77 | Pass |
| | | | 24 | 22.84 | -6.00 | 14.69 | <=34.77 | Pass |
| | | 12 | 0 | 21.71 | -6.00 | 13.56 | <=34.77 | Pass |
| | | | 6 | 21.75 | -6.00 | 13.60 | <=34.77 | Pass |
| | | | 13 | 21.78 | -6.00 | 13.63 | <=34.77 | Pass |
| | | 25 | 0 | 21.78 | -6.00 | 13.63 | <=34.77 | Pass |
| Note1: ERP=Conducted Power+Antenna Gain-2.15 | | | | | | | | |

## 1.1.4 B12_10MHz_ERP

| Band: 12 / Bandwidth: 10MHz / NTNV | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Conducted Power (dBm) | Gain (dBi) | ERP (dBm) | | Verdict |
| | | Size | Offset | | | Result | Limit | |
| QPSK | 704 | 1 | 0 | 23.87 | -6.00 | 15.72 | <=34.77 | Pass |
| | | | 25 | 23.84 | -6.00 | 15.69 | <=34.77 | Pass |
| | | | 49 | 23.67 | -6.00 | 15.52 | <=34.77 | Pass |
| | | 25 | 0 | 22.74 | -6.00 | 14.59 | <=34.77 | Pass |
| | | | 13 | 22.86 | -6.00 | 14.71 | <=34.77 | Pass |
| | | | 25 | 22.79 | -6.00 | 14.64 | <=34.77 | Pass |
| | | 50 | 0 | 22.78 | -6.00 | 14.63 | <=34.77 | Pass |
| | 707.5 | 1 | 0 | 23.79 | -6.00 | 15.64 | <=34.77 | Pass |
| | | | 25 | 23.72 | -6.00 | 15.57 | <=34.77 | Pass |
| | | | 49 | 23.75 | -6.00 | 15.60 | <=34.77 | Pass |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | 25 | 0 | 22.74 | -6.00 | 14.59 | <=34.77 | Pass |
| | | | 13 | 22.80 | -6.00 | 14.65 | <=34.77 | Pass |
| | | | 25 | 22.81 | -6.00 | 14.66 | <=34.77 | Pass |
| | | 50 | 0 | 22.85 | -6.00 | 14.70 | <=34.77 | Pass |
| | 711 | 1 | 0 | 23.70 | -6.00 | 15.55 | <=34.77 | Pass |
| | | | 25 | 23.78 | -6.00 | 15.63 | <=34.77 | Pass |
| | | | 49 | 23.65 | -6.00 | 15.50 | <=34.77 | Pass |
| | | 25 | 0 | 22.70 | -6.00 | 14.55 | <=34.77 | Pass |
| | | | 13 | 22.85 | -6.00 | 14.70 | <=34.77 | Pass |
| | | | 25 | 22.77 | -6.00 | 14.62 | <=34.77 | Pass |
| | | 50 | 0 | 22.65 | -6.00 | 14.50 | <=34.77 | Pass |
| 16QAM | 704 | 1 | 0 | 23.10 | -6.00 | 14.95 | <=34.77 | Pass |
| | | | 25 | 23.07 | -6.00 | 14.92 | <=34.77 | Pass |
| | | | 49 | 23.04 | -6.00 | 14.89 | <=34.77 | Pass |
| | | 25 | 0 | 21.72 | -6.00 | 13.57 | <=34.77 | Pass |
| | | | 13 | 21.82 | -6.00 | 13.67 | <=34.77 | Pass |
| | | | 25 | 21.74 | -6.00 | 13.59 | <=34.77 | Pass |
| | | 50 | 0 | 21.89 | -6.00 | 13.74 | <=34.77 | Pass |
| | 707.5 | 1 | 0 | 23.14 | -6.00 | 14.99 | <=34.77 | Pass |
| | | | 25 | 22.97 | -6.00 | 14.82 | <=34.77 | Pass |
| | | | 49 | 23.14 | -6.00 | 14.99 | <=34.77 | Pass |
| | | 25 | 0 | 21.83 | -6.00 | 13.68 | <=34.77 | Pass |
| | | | 13 | 21.75 | -6.00 | 13.60 | <=34.77 | Pass |
| | | | 25 | 21.78 | -6.00 | 13.63 | <=34.77 | Pass |
| | | 50 | 0 | 21.74 | -6.00 | 13.59 | <=34.77 | Pass |
| | 711 | 1 | 0 | 23.23 | -6.00 | 15.08 | <=34.77 | Pass |
| | | | 25 | 23.05 | -6.00 | 14.90 | <=34.77 | Pass |
| | | | 49 | 22.97 | -6.00 | 14.82 | <=34.77 | Pass |
| | | 25 | 0 | 21.79 | -6.00 | 13.64 | <=34.77 | Pass |
| | | | 13 | 21.85 | -6.00 | 13.70 | <=34.77 | Pass |
| | | | 25 | 21.80 | -6.00 | 13.65 | <=34.77 | Pass |
| | | 50 | 0 | 21.65 | -6.00 | 13.50 | <=34.77 | Pass |
| 64QAM | 704 | 1 | 0 | 23.21 | -6.00 | 15.06 | <=34.77 | Pass |
| | | | 25 | 22.80 | -6.00 | 14.65 | <=34.77 | Pass |
| | | | 49 | 22.75 | -6.00 | 14.60 | <=34.77 | Pass |
| | | 25 | 0 | 21.72 | -6.00 | 13.57 | <=34.77 | Pass |
| | | | 13 | 21.85 | -6.00 | 13.70 | <=34.77 | Pass |
| | | | 25 | 21.74 | -6.00 | 13.59 | <=34.77 | Pass |
| | | 50 | 0 | 21.80 | -6.00 | 13.65 | <=34.77 | Pass |
| | 707.5 | 1 | 0 | 23.02 | -6.00 | 14.87 | <=34.77 | Pass |
| | | | 25 | 22.87 | -6.00 | 14.72 | <=34.77 | Pass |
| | | | 49 | 22.82 | -6.00 | 14.67 | <=34.77 | Pass |
| | | 25 | 0 | 21.75 | -6.00 | 13.60 | <=34.77 | Pass |
| | | | 13 | 21.77 | -6.00 | 13.62 | <=34.77 | Pass |
| | | | 25 | 21.72 | -6.00 | 13.57 | <=34.77 | Pass |
| | | 50 | 0 | 21.85 | -6.00 | 13.70 | <=34.77 | Pass |
| | 711 | 1 | 0 | 22.89 | -6.00 | 14.74 | <=34.77 | Pass |
| | | | 25 | 22.98 | -6.00 | 14.83 | <=34.77 | Pass |
| | | | 49 | 22.85 | -6.00 | 14.70 | <=34.77 | Pass |
| | | 25 | 0 | 21.69 | -6.00 | 13.54 | <=34.77 | Pass |
| | | | 13 | 21.77 | -6.00 | 13.62 | <=34.77 | Pass |
| | | | 25 | 21.81 | -6.00 | 13.66 | <=34.77 | Pass |
| | | 50 | 0 | 21.74 | -6.00 | 13.59 | <=34.77 | Pass |
| Note1: ERP=Conducted Power+Antenna Gain-2.15 | | | | | | | | |

# 2. Frequency Stability

## 2.1 Test Result

### 2.1.1 B12_1.4MHz

| Band: 12 / 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 | 699.7 | 6 | 0 | 20 | 3.4 | -5.800 | -0.0083 | -2.5 to 2.5 | Pass |
| | | | | | 3.92 | -3.500 | -0.0050 | -2.5 to 2.5 | Pass |
| | | | | | 4.53 | -3.600 | -0.0051 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.92 | -3.200 | -0.0046 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.92 | -1.100 | -0.0016 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.92 | -0.300 | -0.0004 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.92 | -0.200 | -0.0003 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.92 | -0.600 | -0.0009 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.92 | 2.700 | 0.0039 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.92 | -0.800 | -0.0011 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.92 | -0.200 | -0.0003 | -2.5 to 2.5 | Pass |
| | 707.5 | 6 | 0 | 20 | 3.4 | 13.500 | 0.0191 | -2.5 to 2.5 | Pass |
| | | | | | 3.92 | 20.000 | 0.0283 | -2.5 to 2.5 | Pass |
| | | | | | 4.53 | 18.800 | 0.0266 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.92 | 18.900 | 0.0267 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.92 | 6.700 | 0.0095 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.92 | 14.700 | 0.0208 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.92 | 10.400 | 0.0147 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.92 | 10.400 | 0.0147 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.92 | 10.000 | 0.0141 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.92 | 10.700 | 0.0151 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.92 | 9.200 | 0.0130 | -2.5 to 2.5 | Pass |
| | 715.3 | 6 | 0 | 20 | 3.4 | -12.000 | -0.0168 | -2.5 to 2.5 | Pass |
| | | | | | 3.92 | -4.000 | -0.0056 | -2.5 to 2.5 | Pass |
| | | | | | 4.53 | -5.800 | -0.0081 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.92 | -13.300 | -0.0186 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.92 | -15.400 | -0.0215 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.92 | -9.300 | -0.0130 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.92 | -18.500 | -0.0259 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.92 | -13.900 | -0.0194 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.92 | -33.800 | -0.0473 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.92 | -16.500 | -0.0231 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.92 | -27.200 | -0.0380 | -2.5 to 2.5 | Pass |
| 16QAM | 699.7 | 6 | 0 | 20 | 3.4 | 0.900 | 0.0013 | -2.5 to 2.5 | Pass |
| | | | | | 3.92 | -1.200 | -0.0017 | -2.5 to 2.5 | Pass |
| | | | | | 4.53 | 0.200 | 0.0003 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.92 | 0.500 | 0.0007 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.92 | -0.800 | -0.0011 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.92 | -0.300 | -0.0004 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.92 | 0.000 | 0.0000 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.92 | 1.100 | 0.0016 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.92 | -0.500 | -0.0007 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.92 | 0.800 | 0.0011 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.92 | -0.300 | -0.0004 | -2.5 to 2.5 | Pass |
| | 707.5 | 6 | 0 | 20 | 3.4 | 8.700 | 0.0123 | -2.5 to 2.5 | Pass |
| | | | | | 3.92 | 8.700 | 0.0123 | -2.5 to 2.5 | Pass |
| | | | | | 4.53 | 5.100 | 0.0072 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.92 | 7.100 | 0.0100 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.92 | 6.100 | 0.0086 | -2.5 to 2.5 | Pass |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | -10 | 3.92 | 5.300 | 0.0075 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.92 | 4.700 | 0.0066 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.92 | 2.200 | 0.0031 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.92 | 1.700 | 0.0024 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.92 | 3.100 | 0.0044 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.92 | 3.100 | 0.0044 | -2.5 to 2.5 | Pass |
| | 715.3 | 6 | 0 | 20 | 3.4 | -21.100 | -0.0295 | -2.5 to 2.5 | Pass |
| | | | | | 3.92 | -16.300 | -0.0228 | -2.5 to 2.5 | Pass |
| | | | | | 4.53 | -13.000 | -0.0182 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.92 | -16.700 | -0.0233 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.92 | -11.200 | -0.0157 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.92 | -11.400 | -0.0159 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.92 | -10.400 | -0.0145 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.92 | -6.700 | -0.0094 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.92 | -6.800 | -0.0095 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.92 | -8.800 | -0.0123 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.92 | -5.900 | -0.0082 | -2.5 to 2.5 | Pass |
| 64QAM | 699.7 | 6 | 0 | 20 | 3.4 | -150.600 | -0.2152 | -2.5 to 2.5 | Pass |
| | | | | | 3.92 | 184.400 | 0.2635 | -2.5 to 2.5 | Pass |
| | | | | | 4.53 | 189.200 | 0.2704 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.92 | 181.300 | 0.2591 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.92 | 163.500 | 0.2337 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.92 | 193.900 | 0.2771 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.92 | -2.800 | -0.0040 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.92 | -4.300 | -0.0061 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.92 | 189.700 | 0.2711 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.92 | 206.900 | 0.2957 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.92 | -192.000 | -0.2744 | -2.5 to 2.5 | Pass |
| | 707.5 | 6 | 0 | 20 | 3.4 | 80.400 | 0.1136 | -2.5 to 2.5 | Pass |
| | | | | | 3.92 | 178.900 | 0.2529 | -2.5 to 2.5 | Pass |
| | | | | | 4.53 | 16.000 | 0.0226 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.92 | 8.800 | 0.0124 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.92 | -162.800 | -0.2301 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.92 | 145.100 | 0.2051 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.92 | 200.900 | 0.2840 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.92 | 46.300 | 0.0654 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.92 | 127.800 | 0.1806 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.92 | 176.500 | 0.2495 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.92 | 157.100 | 0.2220 | -2.5 to 2.5 | Pass |
| | 715.3 | 6 | 0 | 20 | 3.4 | 145.400 | 0.2033 | -2.5 to 2.5 | Pass |
| | | | | | 3.92 | 171.900 | 0.2403 | -2.5 to 2.5 | Pass |
| | | | | | 4.53 | -200.200 | -0.2799 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.92 | 177.300 | 0.2479 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.92 | 164.300 | 0.2297 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.92 | 192.600 | 0.2693 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.92 | 169.100 | 0.2364 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.92 | 143.300 | 0.2003 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.92 | 161.900 | 0.2263 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.92 | 110.200 | 0.1541 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.92 | 183.600 | 0.2567 | -2.5 to 2.5 | Pass |

## 2.1.2 B12_3MHz

| Band: 12 / Bandwidth: 3MHz | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) | | Verdict |
| | | Size | Offset | | | | Result | Limit | |
| QPSK | 700.5 | 15 | 0 | 20 | 3.4 | 1.500 | 0.0021 | -2.5 to 2.5 | Pass |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | 3.92 | 2.100 | 0.0030 | -2.5 to 2.5 | Pass |
| | | | | | 4.53 | 0.700 | 0.0010 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.92 | 1.900 | 0.0027 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.92 | 2.700 | 0.0039 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.92 | 2.800 | 0.0040 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.92 | 3.500 | 0.0050 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.92 | 1.800 | 0.0026 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.92 | 2.200 | 0.0031 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.92 | 2.300 | 0.0033 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.92 | 3.000 | 0.0043 | -2.5 to 2.5 | Pass |
| | 707.5 | 15 | 0 | 20 | 3.4 | 2.200 | 0.0031 | -2.5 to 2.5 | Pass |
| | | | | | 3.92 | 3.800 | 0.0054 | -2.5 to 2.5 | Pass |
| | | | | | 4.53 | 1.200 | 0.0017 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.92 | 2.600 | 0.0037 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.92 | 2.000 | 0.0028 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.92 | 3.500 | 0.0049 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.92 | 1.800 | 0.0025 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.92 | 1.600 | 0.0023 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.92 | 1.900 | 0.0027 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.92 | 3.000 | 0.0042 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.92 | 2.500 | 0.0035 | -2.5 to 2.5 | Pass |
| | 714.5 | 15 | 0 | 20 | 3.4 | 2.200 | 0.0031 | -2.5 to 2.5 | Pass |
| | | | | | 3.92 | 1.400 | 0.0020 | -2.5 to 2.5 | Pass |
| | | | | | 4.53 | 0.700 | 0.0010 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.92 | 1.100 | 0.0015 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.92 | 2.200 | 0.0031 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.92 | 2.800 | 0.0039 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.92 | 1.900 | 0.0027 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.92 | 2.000 | 0.0028 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.92 | 1.400 | 0.0020 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.92 | 2.100 | 0.0029 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.92 | 1.500 | 0.0021 | -2.5 to 2.5 | Pass |
| 16QAM | 700.5 | 15 | 0 | 20 | 3.4 | 2.800 | 0.0040 | -2.5 to 2.5 | Pass |
| | | | | | 3.92 | 0.600 | 0.0009 | -2.5 to 2.5 | Pass |
| | | | | | 4.53 | 2.400 | 0.0034 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.92 | 2.800 | 0.0040 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.92 | 3.000 | 0.0043 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.92 | 3.900 | 0.0056 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.92 | 1.000 | 0.0014 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.92 | 1.000 | 0.0014 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.92 | 3.200 | 0.0046 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.92 | 1.000 | 0.0014 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.92 | 2.300 | 0.0033 | -2.5 to 2.5 | Pass |
| | 707.5 | 15 | 0 | 20 | 3.4 | 0.700 | 0.0010 | -2.5 to 2.5 | Pass |
| | | | | | 3.92 | 0.500 | 0.0007 | -2.5 to 2.5 | Pass |
| | | | | | 4.53 | 2.900 | 0.0041 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.92 | 2.300 | 0.0033 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.92 | 1.200 | 0.0017 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.92 | 1.700 | 0.0024 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.92 | 3.000 | 0.0042 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.92 | 2.300 | 0.0033 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.92 | 3.700 | 0.0052 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.92 | 5.400 | 0.0076 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.92 | 2.200 | 0.0031 | -2.5 to 2.5 | Pass |
| | 714.5 | 15 | 0 | 20 | 3.4 | 1.600 | 0.0022 | -2.5 to 2.5 | Pass |
| | | | | | 3.92 | 1.900 | 0.0027 | -2.5 to 2.5 | Pass |
| | | | | | 4.53 | 0.700 | 0.0010 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.92 | 0.900 | 0.0013 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.92 | 1.900 | 0.0027 | -2.5 to 2.5 | Pass |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | -10 | 3.92 | 2.600 | 0.0036 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.92 | 1.400 | 0.0020 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.92 | 1.800 | 0.0025 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.92 | 1.400 | 0.0020 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.92 | 0.700 | 0.0010 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.92 | 3.200 | 0.0045 | -2.5 to 2.5 | Pass |
| 64QAM | 700.5 | 15 | 0 | 20 | 3.4 | -9.600 | -0.0137 | -2.5 to 2.5 | Pass |
| | | | | | 3.92 | -16.400 | -0.0234 | -2.5 to 2.5 | Pass |
| | | | | | 4.53 | 3.800 | 0.0054 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.92 | 91.600 | 0.1308 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.92 | -27.400 | -0.0391 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.92 | -27.500 | -0.0393 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.92 | -20.800 | -0.0297 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.92 | -100.800 | -0.1439 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.92 | -4.700 | -0.0067 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.92 | 5.300 | 0.0076 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.92 | -31.300 | -0.0447 | -2.5 to 2.5 | Pass |
| | 707.5 | 15 | 0 | 20 | 3.4 | -10.800 | -0.0153 | -2.5 to 2.5 | Pass |
| | | | | | 3.92 | -72.200 | -0.1020 | -2.5 to 2.5 | Pass |
| | | | | | 4.53 | -84.900 | -0.1200 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.92 | -161.900 | -0.2288 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.92 | -6.700 | -0.0095 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.92 | -7.600 | -0.0107 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.92 | 19.500 | 0.0276 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.92 | 59.600 | 0.0842 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.92 | 19.000 | 0.0269 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.92 | -1.400 | -0.0020 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.92 | -27.600 | -0.0390 | -2.5 to 2.5 | Pass |
| | 714.5 | 15 | 0 | 20 | 3.4 | 9.100 | 0.0127 | -2.5 to 2.5 | Pass |
| | | | | | 3.92 | -78.500 | -0.1099 | -2.5 to 2.5 | Pass |
| | | | | | 4.53 | 149.900 | 0.2098 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.92 | 7.400 | 0.0104 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.92 | 20.300 | 0.0284 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.92 | -22.200 | -0.0311 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.92 | -159.200 | -0.2228 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.92 | -25.700 | -0.0360 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.92 | 22.500 | 0.0315 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.92 | -27.700 | -0.0388 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.92 | 99.100 | 0.1387 | -2.5 to 2.5 | Pass |

### 2.1.3 B12_5MHz

| Band: 12 / Bandwidth: 5MHz | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) | | Verdict |
| | | Size | Offset | | | | Result | Limit | |
| QPSK | 701.5 | 25 | 0 | 20 | 3.4 | 0.400 | 0.0006 | -2.5 to 2.5 | Pass |
| | | | | | 3.92 | 0.900 | 0.0013 | -2.5 to 2.5 | Pass |
| | | | | | 4.53 | 1.400 | 0.0020 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.92 | 1.800 | 0.0026 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.92 | 0.900 | 0.0013 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.92 | 1.700 | 0.0024 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.92 | 1.300 | 0.0019 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.92 | 0.100 | 0.0001 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.92 | 0.500 | 0.0007 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.92 | 1.000 | 0.0014 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.92 | 0.900 | 0.0013 | -2.5 to 2.5 | Pass |
| | 707.5 | 25 | 0 | 20 | 3.4 | 1.700 | 0.0024 | -2.5 to 2.5 | Pass |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | 3.92 | 2.000 | 0.0028 | -2.5 to 2.5 | Pass |
| | | | | | 4.53 | 2.900 | 0.0041 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.92 | 3.100 | 0.0044 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.92 | 2.000 | 0.0028 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.92 | 1.200 | 0.0017 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.92 | 1.600 | 0.0023 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.92 | 3.200 | 0.0045 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.92 | 3.300 | 0.0047 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.92 | 1.800 | 0.0025 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.92 | 2.800 | 0.0040 | -2.5 to 2.5 | Pass |
| | 713.5 | 25 | 0 | 20 | 3.4 | 3.000 | 0.0042 | -2.5 to 2.5 | Pass |
| | | | | | 3.92 | 3.800 | 0.0053 | -2.5 to 2.5 | Pass |
| | | | | | 4.53 | 2.400 | 0.0034 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.92 | 2.000 | 0.0028 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.92 | 3.200 | 0.0045 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.92 | 2.000 | 0.0028 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.92 | 3.200 | 0.0045 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.92 | 2.800 | 0.0039 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.92 | 3.500 | 0.0049 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.92 | 2.300 | 0.0032 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.92 | 2.600 | 0.0036 | -2.5 to 2.5 | Pass |
| 16QAM | 701.5 | 25 | 0 | 20 | 3.4 | 0.000 | 0.0000 | -2.5 to 2.5 | Pass |
| | | | | | 3.92 | -0.200 | -0.0003 | -2.5 to 2.5 | Pass |
| | | | | | 4.53 | 0.200 | 0.0003 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.92 | 0.100 | 0.0001 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.92 | 1.500 | 0.0021 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.92 | 1.200 | 0.0017 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.92 | 2.200 | 0.0031 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.92 | 1.300 | 0.0019 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.92 | 1.200 | 0.0017 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.92 | 0.800 | 0.0011 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.92 | 2.100 | 0.0030 | -2.5 to 2.5 | Pass |
| | 707.5 | 25 | 0 | 20 | 3.4 | 1.300 | 0.0018 | -2.5 to 2.5 | Pass |
| | | | | | 3.92 | 2.600 | 0.0037 | -2.5 to 2.5 | Pass |
| | | | | | 4.53 | 2.100 | 0.0030 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.92 | 2.400 | 0.0034 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.92 | 1.400 | 0.0020 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.92 | 1.600 | 0.0023 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.92 | 0.500 | 0.0007 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.92 | 0.000 | 0.0000 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.92 | 3.200 | 0.0045 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.92 | 2.000 | 0.0028 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.92 | 1.400 | 0.0020 | -2.5 to 2.5 | Pass |
| | 713.5 | 25 | 0 | 20 | 3.4 | 1.800 | 0.0025 | -2.5 to 2.5 | Pass |
| | | | | | 3.92 | 0.800 | 0.0011 | -2.5 to 2.5 | Pass |
| | | | | | 4.53 | 1.800 | 0.0025 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.92 | 3.000 | 0.0042 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.92 | 3.100 | 0.0043 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.92 | 2.000 | 0.0028 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.92 | 2.900 | 0.0041 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.92 | 3.800 | 0.0053 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.92 | 2.500 | 0.0035 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.92 | 3.000 | 0.0042 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.92 | 2.000 | 0.0028 | -2.5 to 2.5 | Pass |
| 64QAM | 701.5 | 25 | 0 | 20 | 3.4 | 28.100 | 0.0401 | -2.5 to 2.5 | Pass |
| | | | | | 3.92 | -35.800 | -0.0510 | -2.5 to 2.5 | Pass |
| | | | | | 4.53 | -14.500 | -0.0207 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.92 | -14.600 | -0.0208 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.92 | 25.000 | 0.0356 | -2.5 to 2.5 | Pass |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | -10 | 3.92 | -34.500 | -0.0492 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.92 | -0.500 | -0.0007 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.92 | 10.100 | 0.0144 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.92 | -25.200 | -0.0359 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.92 | -25.700 | -0.0366 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.92 | -20.500 | -0.0292 | -2.5 to 2.5 | Pass |
| | 707.5 | 25 | 0 | 20 | 3.4 | 27.800 | 0.0393 | -2.5 to 2.5 | Pass |
| | | | | | 3.92 | -27.900 | -0.0394 | -2.5 to 2.5 | Pass |
| | | | | | 4.53 | -2.400 | -0.0034 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.92 | 37.700 | 0.0533 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.92 | -13.900 | -0.0196 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.92 | -18.700 | -0.0264 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.92 | 25.200 | 0.0356 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.92 | -29.400 | -0.0416 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.92 | 26.200 | 0.0370 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.92 | -33.200 | -0.0469 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.92 | -22.700 | -0.0321 | -2.5 to 2.5 | Pass |
| | 713.5 | 25 | 0 | 20 | 3.4 | 38.200 | 0.0535 | -2.5 to 2.5 | Pass |
| | | | | | 3.92 | -15.200 | -0.0213 | -2.5 to 2.5 | Pass |
| | | | | | 4.53 | -16.600 | -0.0233 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.92 | 16.500 | 0.0231 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.92 | -6.100 | -0.0085 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.92 | 36.700 | 0.0514 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.92 | -0.900 | -0.0013 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.92 | 50.700 | 0.0711 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.92 | -14.400 | -0.0202 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.92 | -26.700 | -0.0374 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.92 | -38.000 | -0.0533 | -2.5 to 2.5 | Pass |

## 2.1.4 B12_10MHz

| Band: 12 / Bandwidth: 10MHz | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) | | Verdict |
| | | Size | Offset | | | | Result | Limit | |
| QPSK | 704 | 50 | 0 | 20 | 3.4 | 1.000 | 0.0014 | -2.5 to 2.5 | Pass |
| | | | | | 3.92 | 1.000 | 0.0014 | -2.5 to 2.5 | Pass |
| | | | | | 4.53 | 1.000 | 0.0014 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.92 | 1.100 | 0.0016 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.92 | 1.300 | 0.0018 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.92 | 1.200 | 0.0017 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.92 | 0.300 | 0.0004 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.92 | 1.200 | 0.0017 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.92 | -0.100 | -0.0001 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.92 | -0.200 | -0.0003 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.92 | 0.100 | 0.0001 | -2.5 to 2.5 | Pass |
| | 707.5 | 50 | 0 | 20 | 3.4 | 1.000 | 0.0014 | -2.5 to 2.5 | Pass |
| | | | | | 3.92 | 1.100 | 0.0016 | -2.5 to 2.5 | Pass |
| | | | | | 4.53 | 1.400 | 0.0020 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.92 | 0.200 | 0.0003 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.92 | 0.900 | 0.0013 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.92 | 0.400 | 0.0006 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.92 | -0.900 | -0.0013 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.92 | 0.200 | 0.0003 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.92 | 0.800 | 0.0011 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.92 | 0.900 | 0.0013 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.92 | -0.200 | -0.0003 | -2.5 to 2.5 | Pass |
| | 711 | 50 | 0 | 20 | 3.4 | 2.000 | 0.0028 | -2.5 to 2.5 | Pass |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | 3.92 | 0.800 | 0.0011 | -2.5 to 2.5 | Pass |
| | | | | | 4.53 | -0.300 | -0.0004 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.92 | 0.600 | 0.0008 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.92 | -0.700 | -0.0010 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.92 | -0.500 | -0.0007 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.92 | 0.000 | 0.0000 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.92 | -0.600 | -0.0008 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.92 | -0.200 | -0.0003 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.92 | 1.000 | 0.0014 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.92 | 0.100 | 0.0001 | -2.5 to 2.5 | Pass |
| 16QAM | 704 | 50 | 0 | 20 | 3.4 | -0.200 | -0.0003 | -2.5 to 2.5 | Pass |
| | | | | | 3.92 | 0.600 | 0.0009 | -2.5 to 2.5 | Pass |
| | | | | | 4.53 | 0.200 | 0.0003 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.92 | -0.300 | -0.0004 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.92 | 0.200 | 0.0003 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.92 | 0.900 | 0.0013 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.92 | 0.300 | 0.0004 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.92 | 0.100 | 0.0001 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.92 | 0.000 | 0.0000 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.92 | 0.700 | 0.0010 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.92 | -1.400 | -0.0020 | -2.5 to 2.5 | Pass |
| | 707.5 | 50 | 0 | 20 | 3.4 | 1.300 | 0.0018 | -2.5 to 2.5 | Pass |
| | | | | | 3.92 | 0.600 | 0.0008 | -2.5 to 2.5 | Pass |
| | | | | | 4.53 | 0.200 | 0.0003 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.92 | 1.100 | 0.0016 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.92 | 1.300 | 0.0018 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.92 | 0.400 | 0.0006 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.92 | 1.500 | 0.0021 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.92 | -0.500 | -0.0007 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.92 | 1.200 | 0.0017 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.92 | 0.200 | 0.0003 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.92 | 1.900 | 0.0027 | -2.5 to 2.5 | Pass |
| | 711 | 50 | 0 | 20 | 3.4 | -0.200 | -0.0003 | -2.5 to 2.5 | Pass |
| | | | | | 3.92 | 0.200 | 0.0003 | -2.5 to 2.5 | Pass |
| | | | | | 4.53 | -0.700 | -0.0010 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.92 | -0.300 | -0.0004 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.92 | 1.600 | 0.0023 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.92 | 0.500 | 0.0007 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.92 | 1.100 | 0.0015 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.92 | 1.800 | 0.0025 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.92 | 0.300 | 0.0004 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.92 | 0.200 | 0.0003 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.92 | 1.000 | 0.0014 | -2.5 to 2.5 | Pass |
| 64QAM | 704 | 50 | 0 | 20 | 3.4 | -12.200 | -0.0173 | -2.5 to 2.5 | Pass |
| | | | | | 3.92 | 17.400 | 0.0247 | -2.5 to 2.5 | Pass |
| | | | | | 4.53 | 28.400 | 0.0403 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.92 | 2.800 | 0.0040 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.92 | 13.100 | 0.0186 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.92 | 19.400 | 0.0276 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.92 | -11.200 | -0.0159 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.92 | 8.300 | 0.0118 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.92 | 14.900 | 0.0212 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.92 | 8.800 | 0.0125 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.92 | 12.700 | 0.0180 | -2.5 to 2.5 | Pass |
| | 707.5 | 50 | 0 | 20 | 3.4 | -0.500 | -0.0007 | -2.5 to 2.5 | Pass |
| | | | | | 3.92 | 6.900 | 0.0098 | -2.5 to 2.5 | Pass |
| | | | | | 4.53 | 19.100 | 0.0270 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.92 | -13.900 | -0.0196 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.92 | 18.900 | 0.0267 | -2.5 to 2.5 | Pass |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | -10 | 3.92 | 0.700 | 0.0010 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.92 | -5.900 | -0.0083 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.92 | 27.000 | 0.0382 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.92 | 6.700 | 0.0095 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.92 | 11.000 | 0.0155 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.92 | -4.500 | -0.0064 | -2.5 to 2.5 | Pass |
| | 711 | 50 | 0 | 20 | 3.4 | 18.900 | 0.0266 | -2.5 to 2.5 | Pass |
| | | | | | 3.92 | 13.200 | 0.0186 | -2.5 to 2.5 | Pass |
| | | | | | 4.53 | 18.700 | 0.0263 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.92 | 4.200 | 0.0059 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.92 | 13.700 | 0.0193 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.92 | 17.900 | 0.0252 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.92 | -6.200 | -0.0087 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.92 | 8.000 | 0.0113 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.92 | 9.500 | 0.0134 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.92 | -8.800 | -0.0124 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.92 | 16.700 | 0.0235 | -2.5 to 2.5 | Pass |

# 3. 99% & 26dB Bandwidth

## 3.1 Test Result

### 3.1.1 Band12_OBW

| Band: 12 / NTNV | | | | | | | |
|---|---|---|---|---|---|---|---|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation | | 99% Occupied Bandwidth (MHz) | | Verdict |
| | | | Size | Offset | Result | Limit | |
| 1.4 | QPSK | 699.7 | 6 | 0 | 1.121 | / | Pass |
| | | 707.5 | 6 | 0 | 1.125 | / | Pass |
| | | 715.3 | 6 | 0 | 1.120 | / | Pass |
| | 16QAM | 699.7 | 6 | 0 | 1.125 | / | Pass |
| | | 707.5 | 6 | 0 | 1.129 | / | Pass |
| | | 715.3 | 6 | 0 | 1.140 | / | Pass |
| | 64QAM | 699.7 | 6 | 0 | 1.128 | / | Pass |
| | | 707.5 | 6 | 0 | 1.126 | / | Pass |
| | | 715.3 | 6 | 0 | 1.121 | / | Pass |
| 3 | QPSK | 700.5 | 15 | 0 | 2.731 | / | Pass |
| | | 707.5 | 15 | 0 | 2.743 | / | Pass |
| | | 714.5 | 15 | 0 | 2.746 | / | Pass |
| | 16QAM | 700.5 | 15 | 0 | 2.743 | / | Pass |
| | | 707.5 | 15 | 0 | 2.743 | / | Pass |
| | | 714.5 | 15 | 0 | 2.742 | / | Pass |
| | 64QAM | 700.5 | 15 | 0 | 2.744 | / | Pass |
| | | 707.5 | 15 | 0 | 2.748 | / | Pass |
| | | 714.5 | 15 | 0 | 2.740 | / | Pass |
| 5 | QPSK | 701.5 | 25 | 0 | 4.566 | / | Pass |
| | | 707.5 | 25 | 0 | 4.563 | / | Pass |
| | | 713.5 | 25 | 0 | 4.549 | / | Pass |
| | 16QAM | 701.5 | 25 | 0 | 4.544 | / | Pass |
| | | 707.5 | 25 | 0 | 4.540 | / | Pass |
| | | 713.5 | 25 | 0 | 4.551 | / | Pass |
| | 64QAM | 701.5 | 25 | 0 | 4.553 | / | Pass |
| | | 707.5 | 25 | 0 | 4.585 | / | Pass |
| | | 713.5 | 25 | 0 | 4.554 | / | Pass |
| 10 | QPSK | 704 | 50 | 0 | 9.063 | / | Pass |
| | | 707.5 | 50 | 0 | 9.073 | / | Pass |
| | | 711 | 50 | 0 | 9.119 | / | Pass |
| | 16QAM | 704 | 50 | 0 | 9.051 | / | Pass |
| | | 707.5 | 50 | 0 | 9.068 | / | Pass |
| | | 711 | 50 | 0 | 9.087 | / | Pass |
| | 64QAM | 704 | 50 | 0 | 9.037 | / | Pass |
| | | 707.5 | 50 | 0 | 9.051 | / | Pass |
| | | 711 | 50 | 0 | 9.101 | / | Pass |

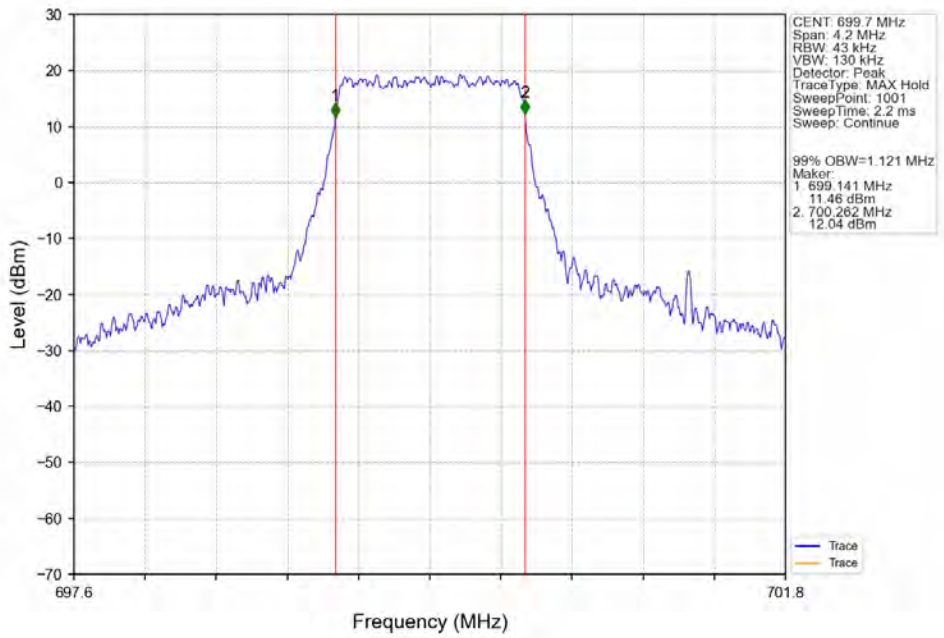
## 3.1.2 Band12_XDB

| Band: 12 / NTNV | | | | | | | |
|---|---|---|---|---|---|---|---|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation | | 26dB Bandwidth (MHz) | | Verdict |
| | | | Size | Offset | Result | Limit | |
| 1.4 | QPSK | 699.7 | 6 | 0 | 1.420 | / | Pass |
| | | 707.5 | 6 | 0 | 1.367 | / | Pass |
| | | 715.3 | 6 | 0 | 1.432 | / | Pass |
| | 16QAM | 699.7 | 6 | 0 | 1.440 | / | Pass |
| | | 707.5 | 6 | 0 | 1.400 | / | Pass |
| | | 715.3 | 6 | 0 | 1.410 | / | Pass |
| | 64QAM | 699.7 | 6 | 0 | 1.393 | / | Pass |
| | | 707.5 | 6 | 0 | 1.399 | / | Pass |
| | | 715.3 | 6 | 0 | 1.377 | / | Pass |
| 3 | QPSK | 700.5 | 15 | 0 | 3.131 | / | Pass |
| | | 707.5 | 15 | 0 | 3.109 | / | Pass |
| | | 714.5 | 15 | 0 | 3.142 | / | Pass |
| | 16QAM | 700.5 | 15 | 0 | 3.084 | / | Pass |
| | | 707.5 | 15 | 0 | 3.182 | / | Pass |
| | | 714.5 | 15 | 0 | 3.127 | / | Pass |
| | 64QAM | 700.5 | 15 | 0 | 3.119 | / | Pass |
| | | 707.5 | 15 | 0 | 3.104 | / | Pass |
| | | 714.5 | 15 | 0 | 3.103 | / | Pass |
| 5 | QPSK | 701.5 | 25 | 0 | 5.190 | / | Pass |
| | | 707.5 | 25 | 0 | 5.244 | / | Pass |
| | | 713.5 | 25 | 0 | 5.213 | / | Pass |
| | 16QAM | 701.5 | 25 | 0 | 5.209 | / | Pass |
| | | 707.5 | 25 | 0 | 5.254 | / | Pass |
| | | 713.5 | 25 | 0 | 5.177 | / | Pass |
| | 64QAM | 701.5 | 25 | 0 | 5.273 | / | Pass |
| | | 707.5 | 25 | 0 | 5.207 | / | Pass |
| | | 713.5 | 25 | 0 | 5.213 | / | Pass |
| 10 | QPSK | 704 | 50 | 0 | 10.082 | / | Pass |
| | | 707.5 | 50 | 0 | 10.258 | / | Pass |
| | | 711 | 50 | 0 | 10.245 | / | Pass |
| | 16QAM | 704 | 50 | 0 | 10.188 | / | Pass |
| | | 707.5 | 50 | 0 | 10.140 | / | Pass |
| | | 711 | 50 | 0 | 10.094 | / | Pass |
| | 64QAM | 704 | 50 | 0 | 10.205 | / | Pass |
| | | 707.5 | 50 | 0 | 10.216 | / | Pass |
| | | 711 | 50 | 0 | 10.230 | / | Pass |

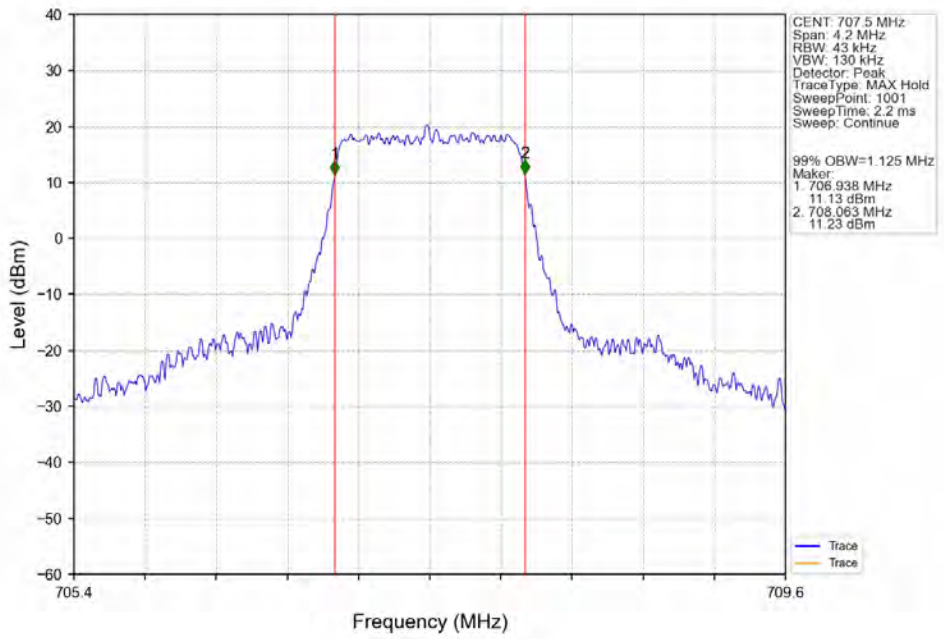
## 3.2 Test Graph

### 3.2.1 Band12_OBW

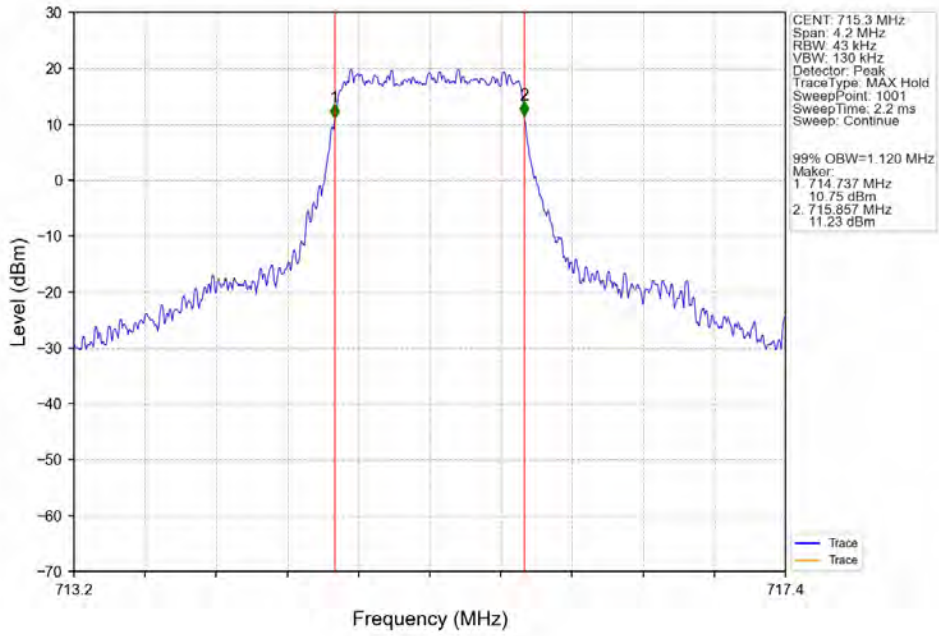
Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_6_0_NTNV



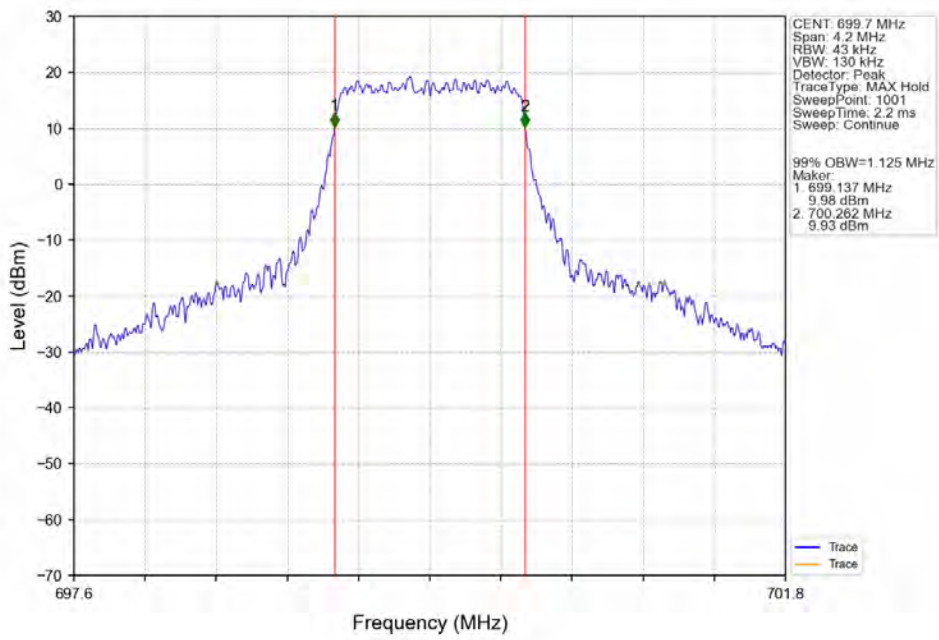

Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_6_0_NTNV



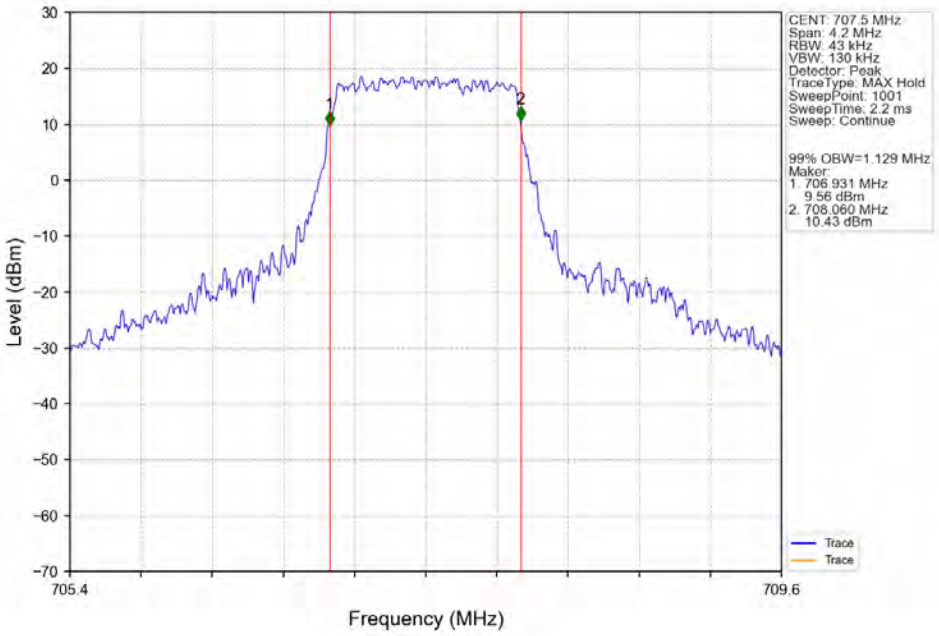
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



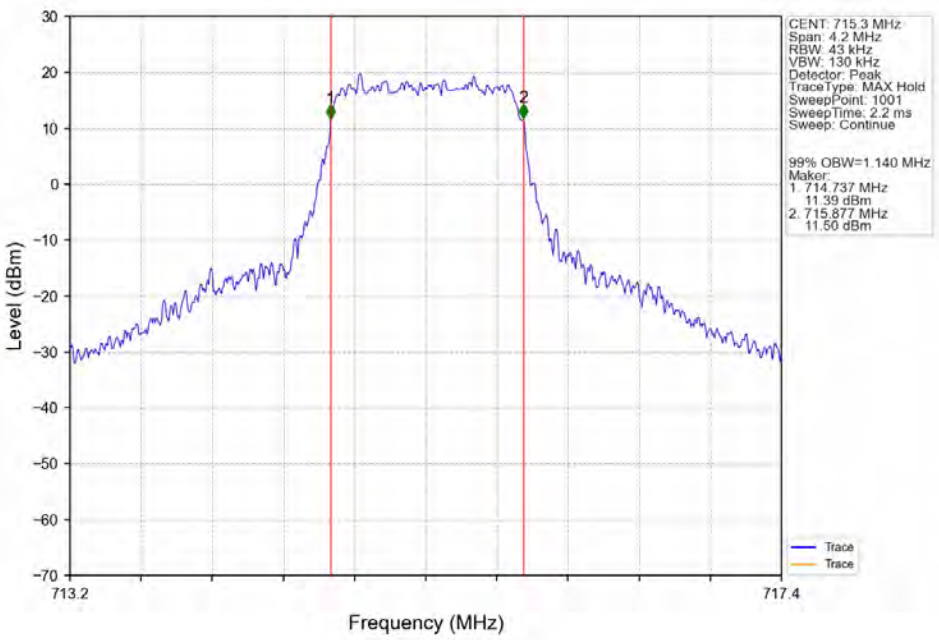

Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV



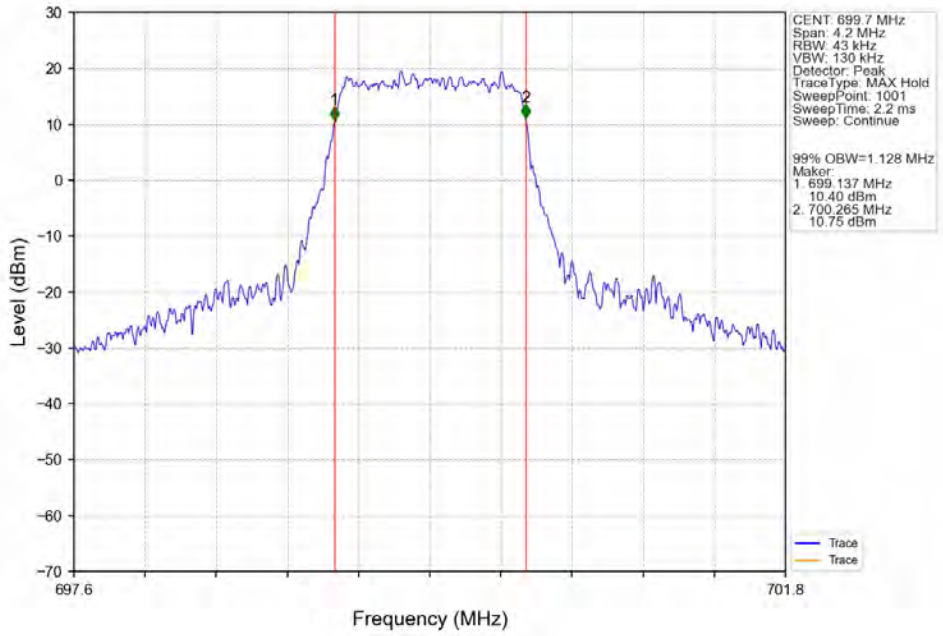
Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_6_0_NTNV




Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_6_0_NTNV



Band12_1.4MHz_64QAM_LCH_699.7MHz_RB_6_0_NTNV

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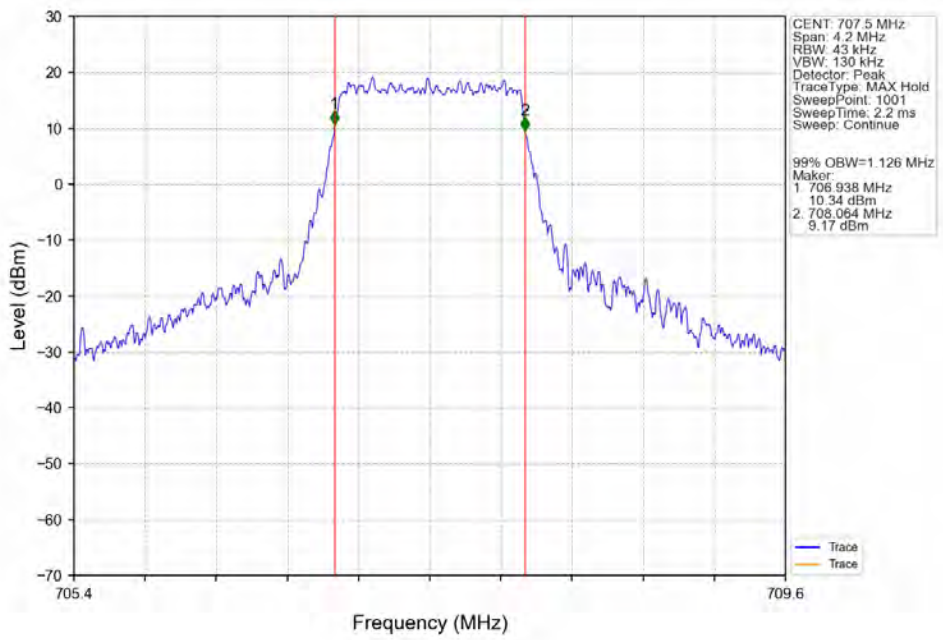

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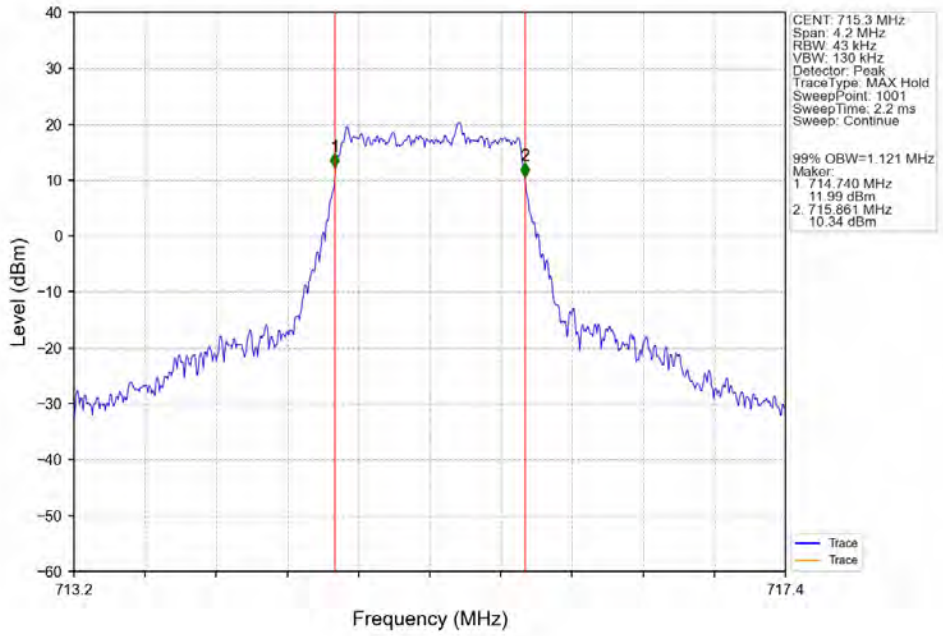
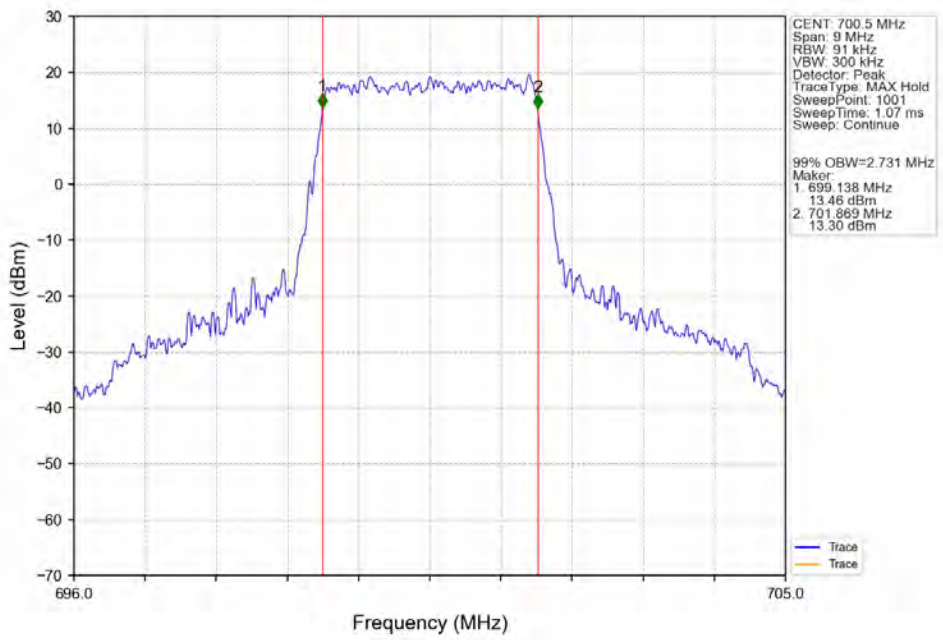



Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



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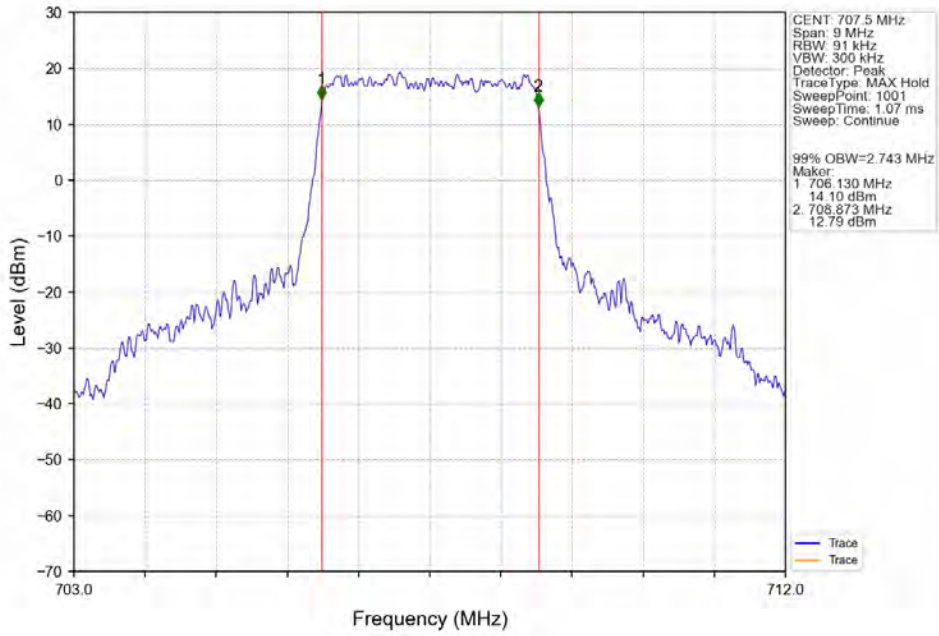
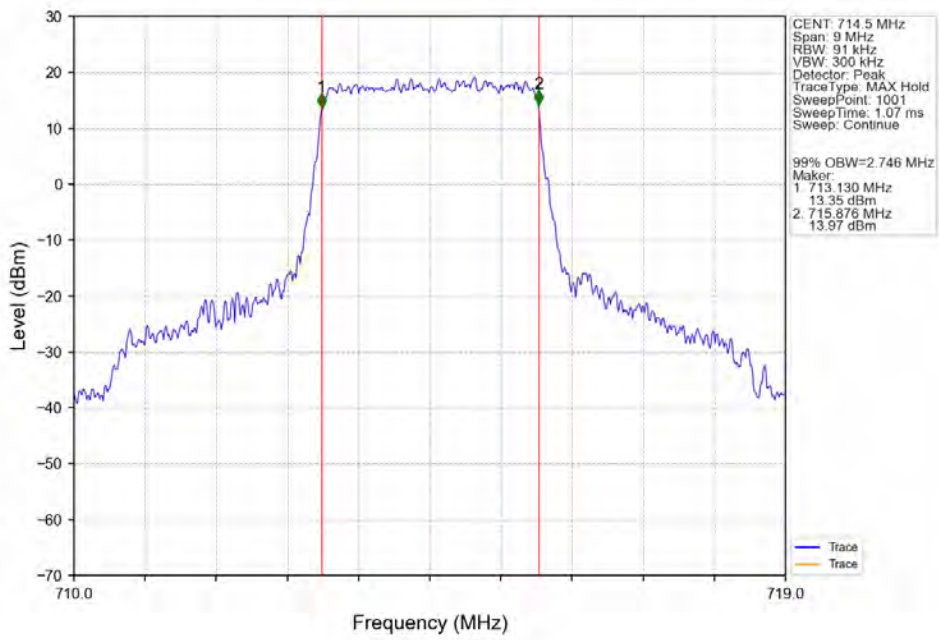
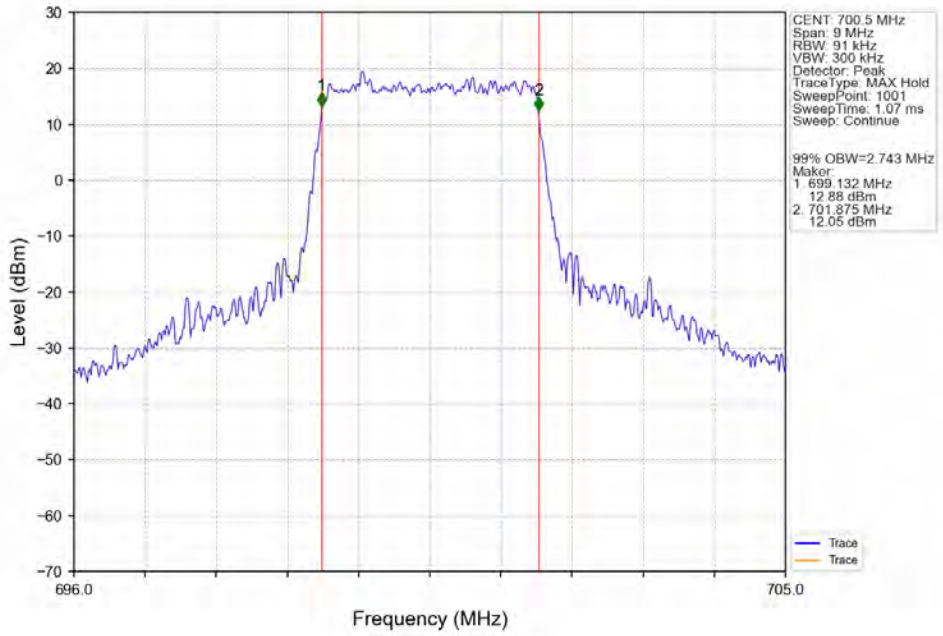



Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV

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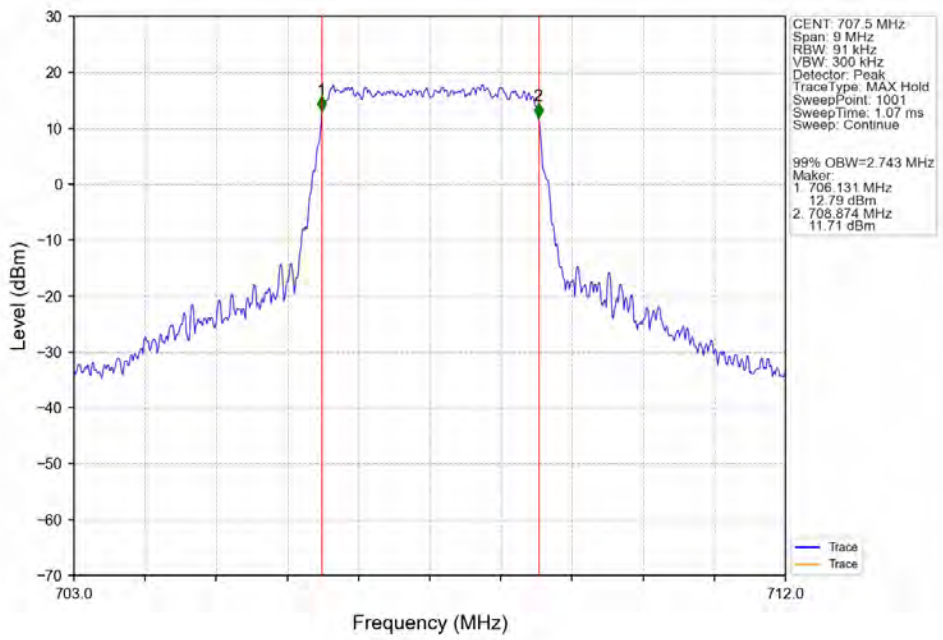

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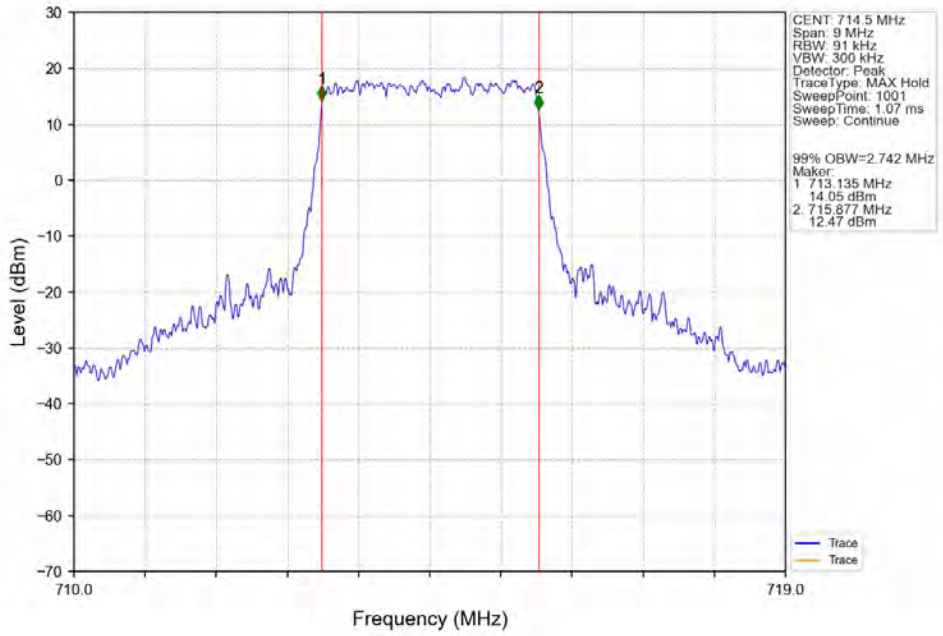
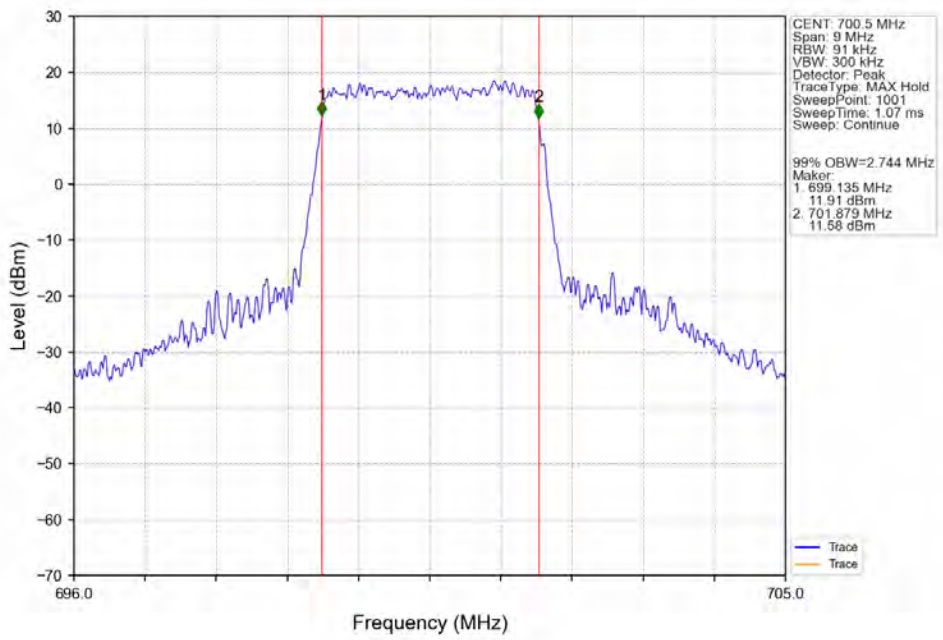
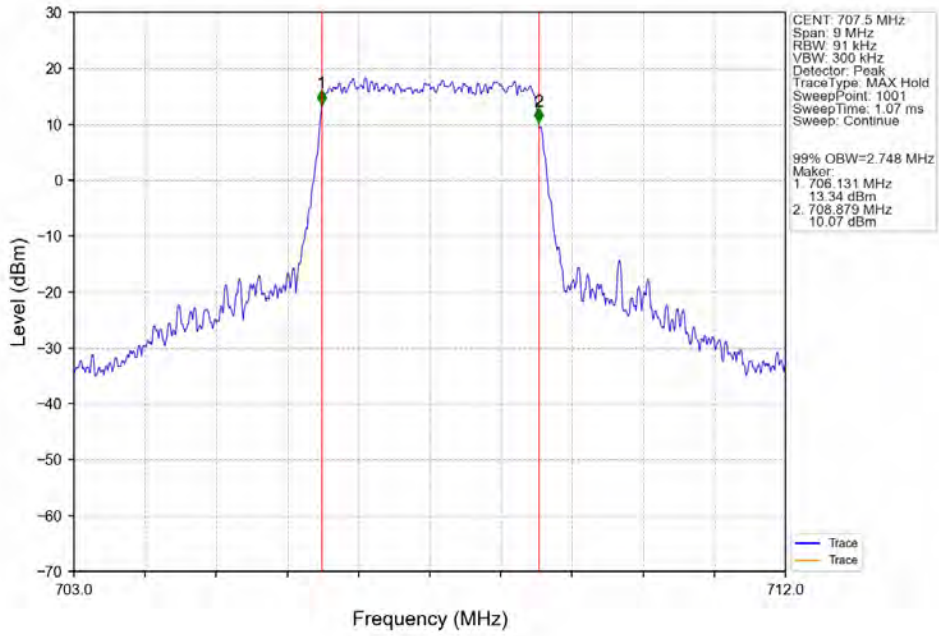


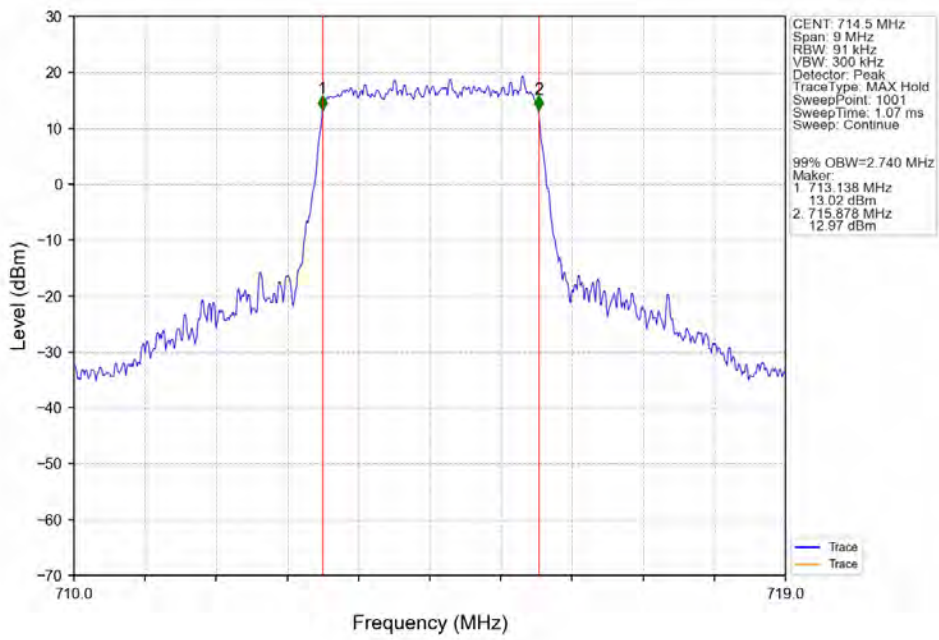

Band12_3MHz_64QAM_LCH_700.5MHz_RB_15_0_NTNV



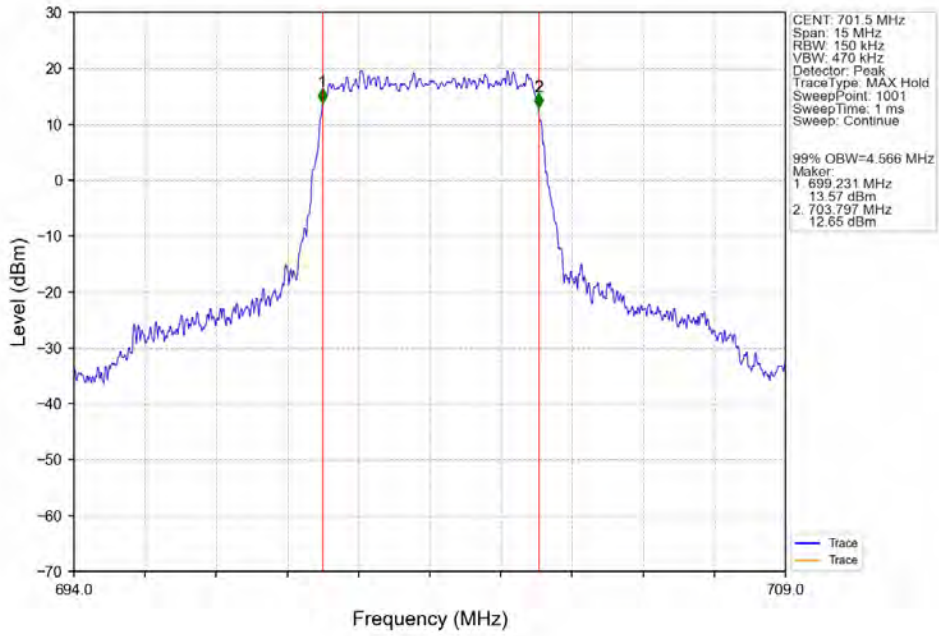
Band12_3MHz_64QAM_MCH_707.5MHz_RB_15_0_NTNV



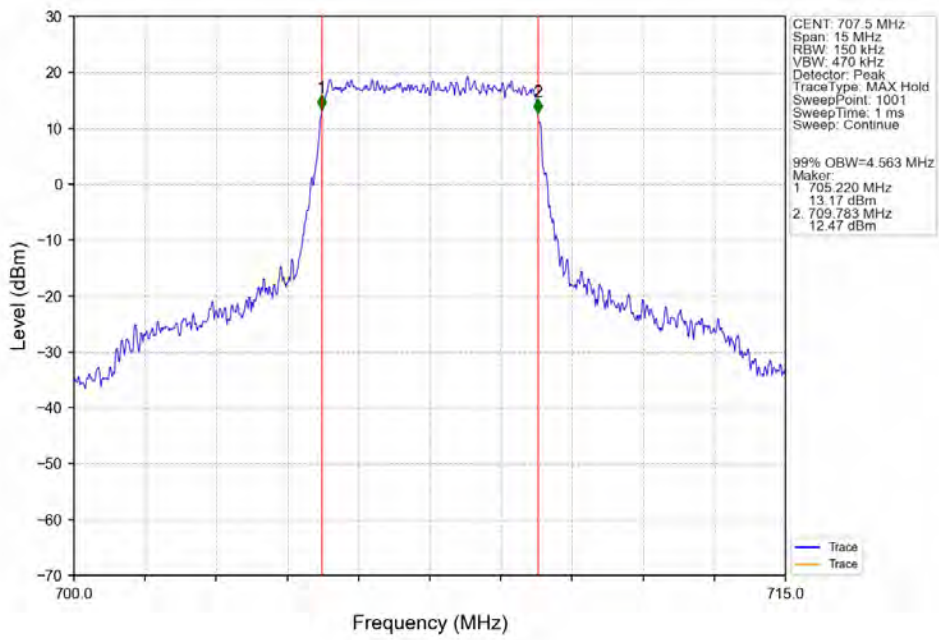

Band12_3MHz_64QAM_HCH_714.5MHz_RB_15_0_NTNV



Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV




Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



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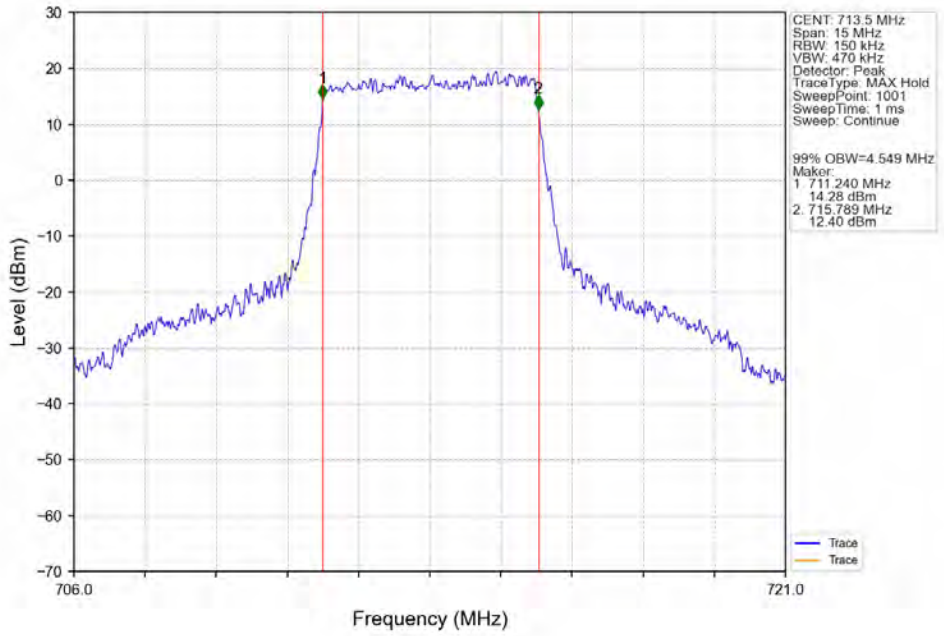
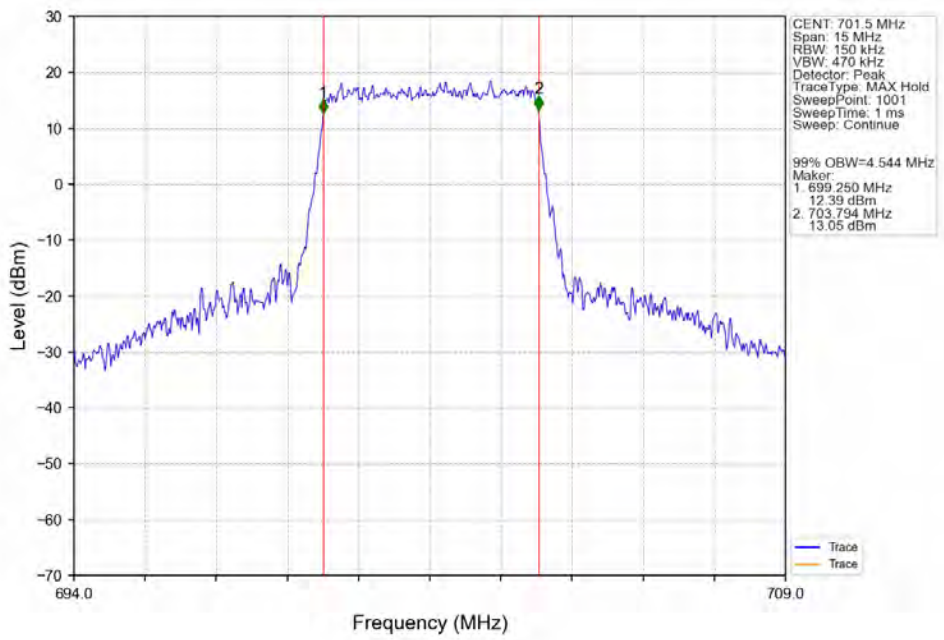
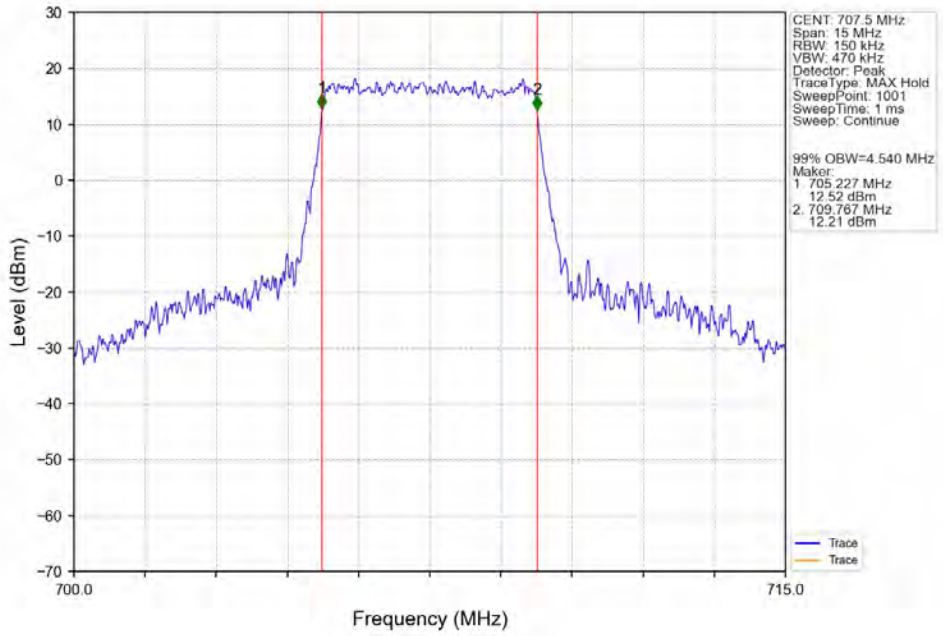


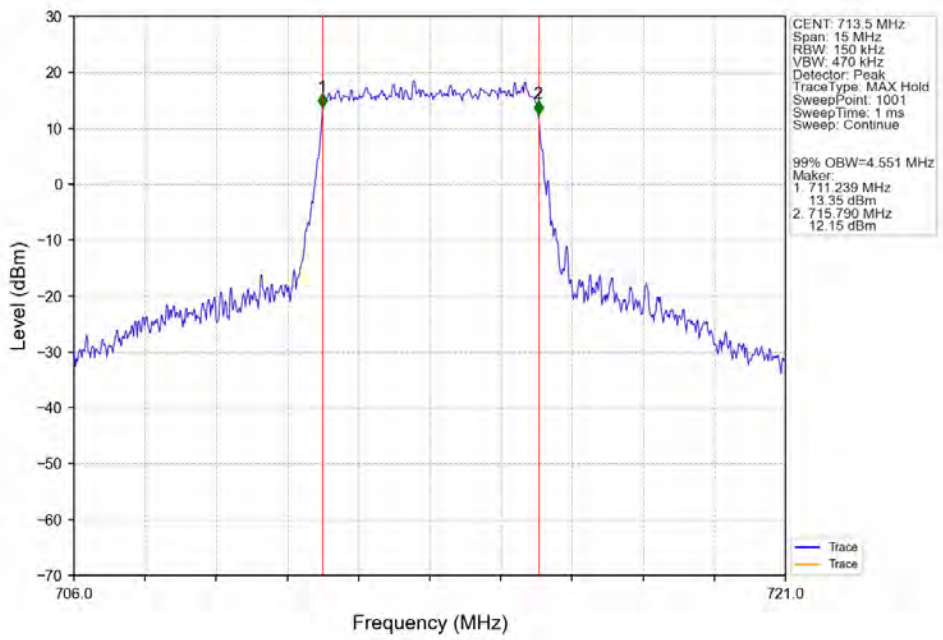

Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV



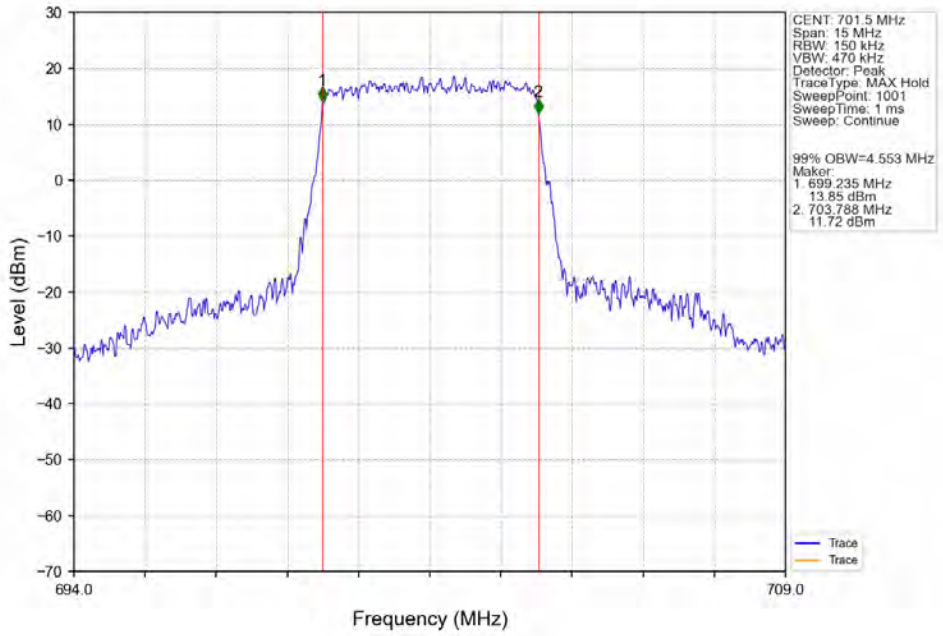
Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



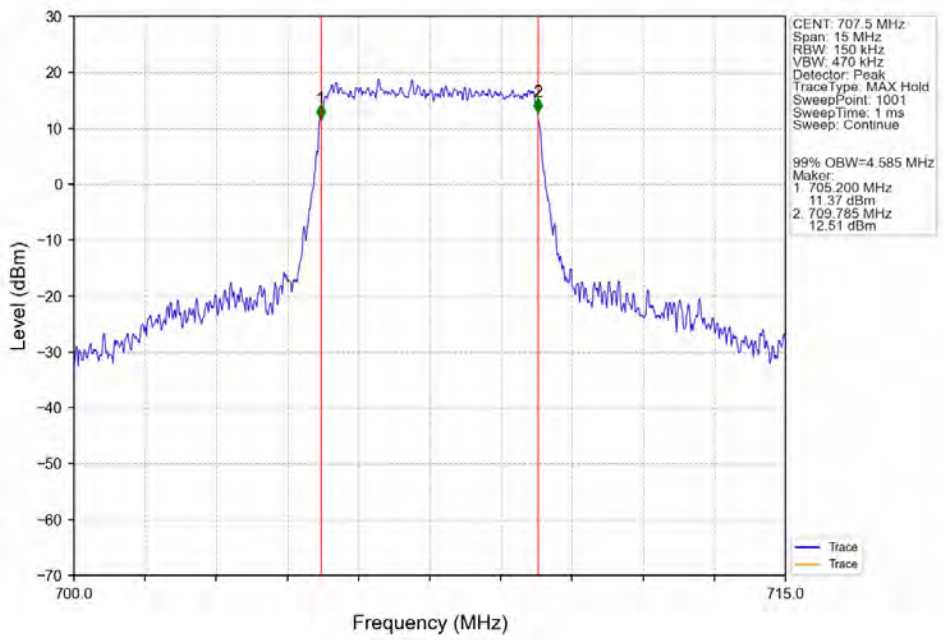

Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



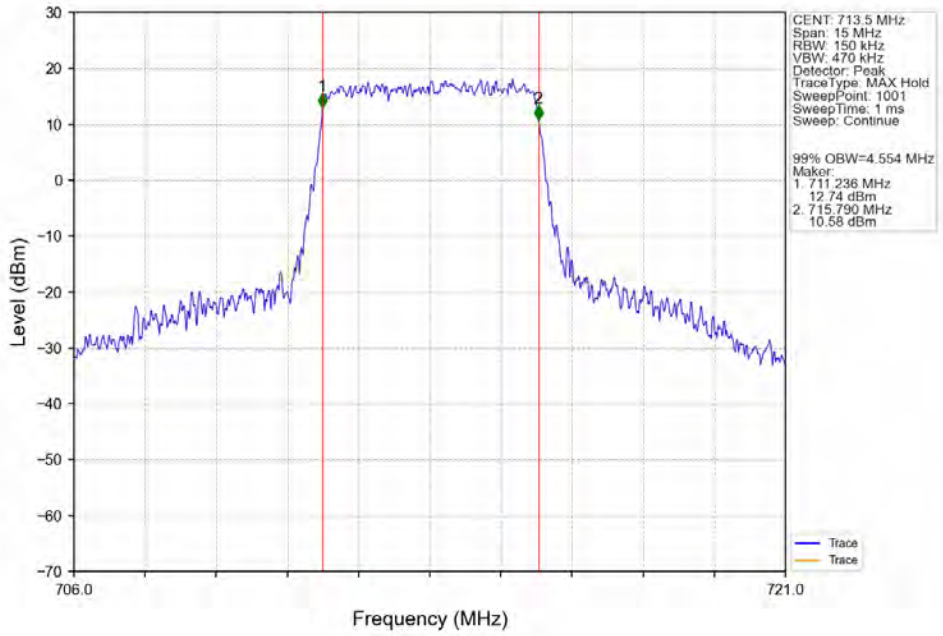
Band12_5MHz_64QAM_LCH_701.5MHz_RB_25_0_NTNV




Band12_5MHz_64QAM_MCH_707.5MHz_RB_25_0_NTNV



Band12_5MHz_64QAM_HCH_713.5MHz_RB_25_0_NTNV

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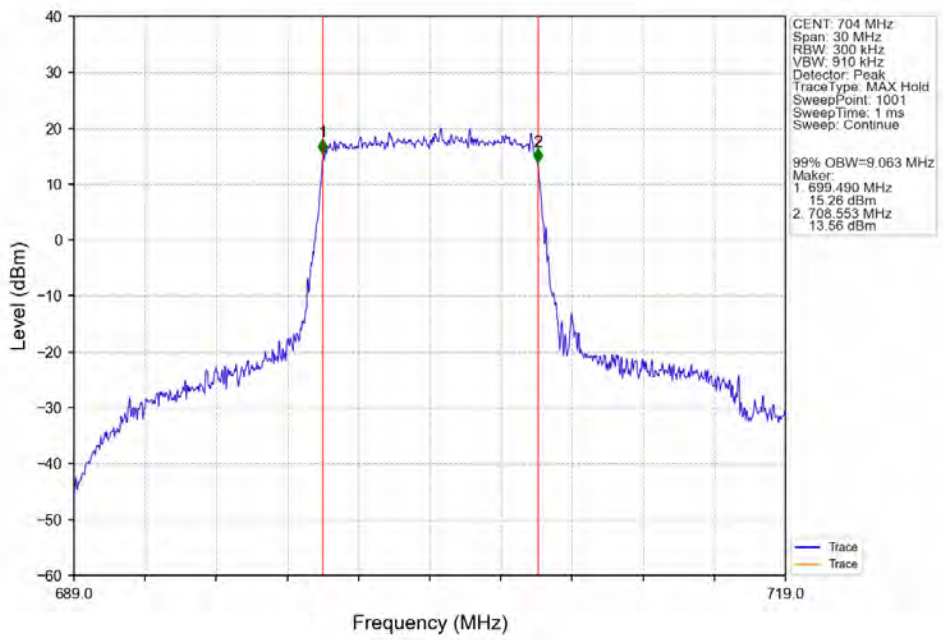
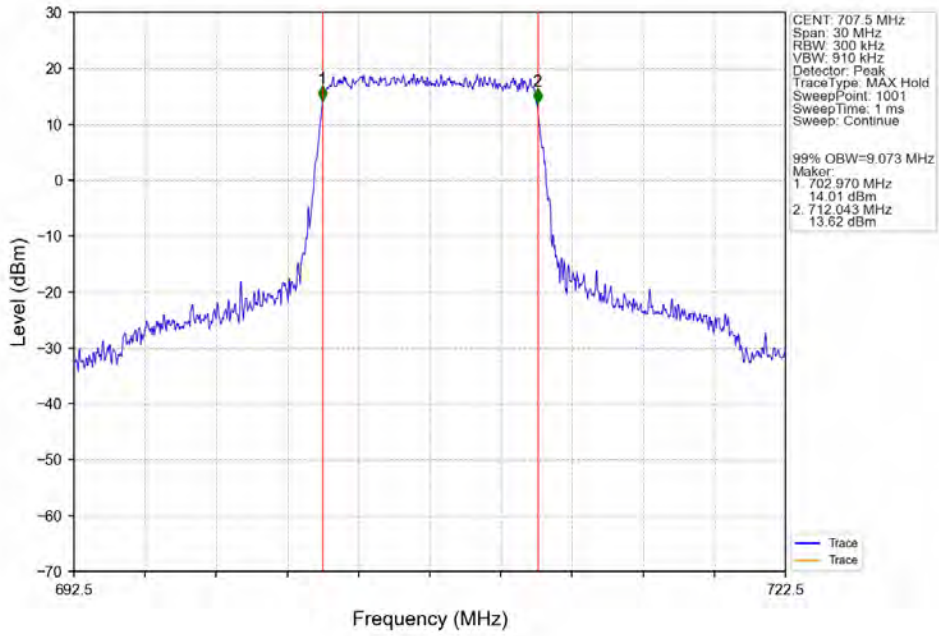


Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV

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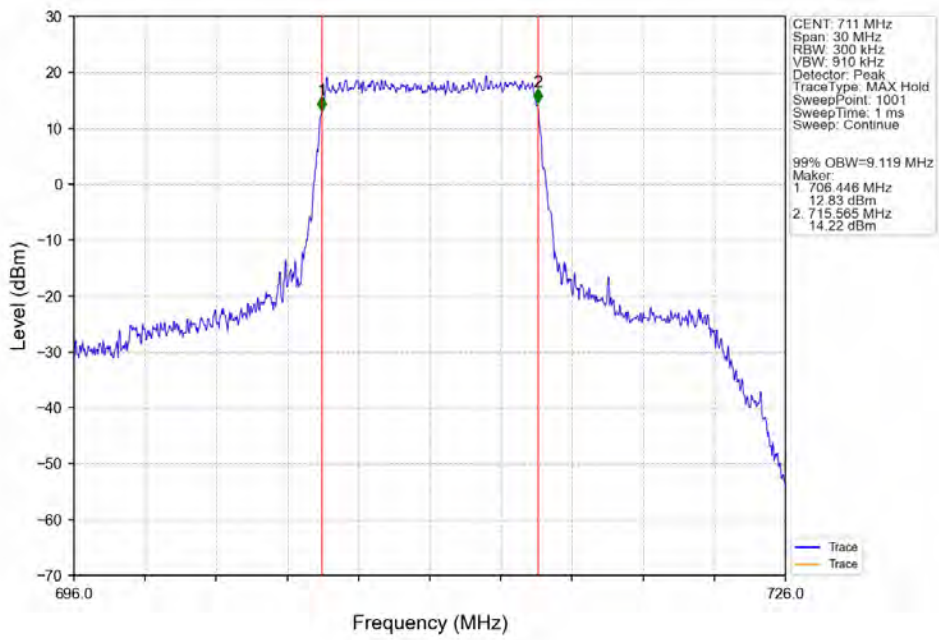
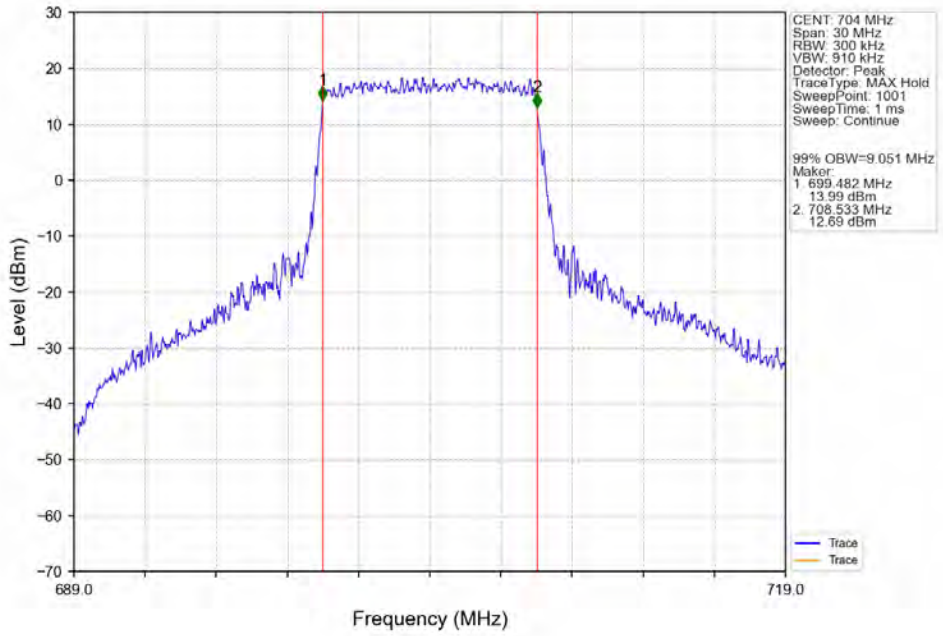
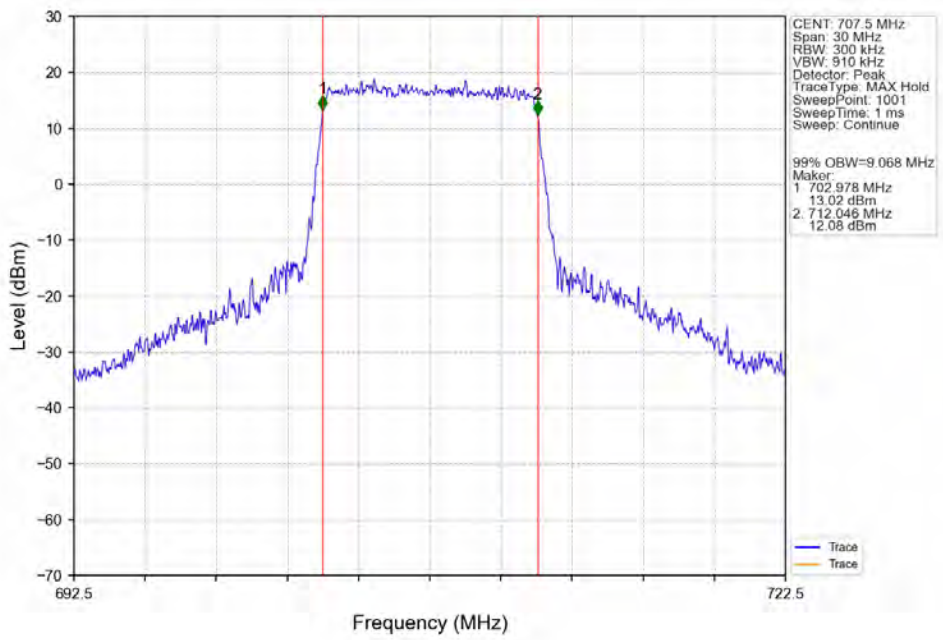


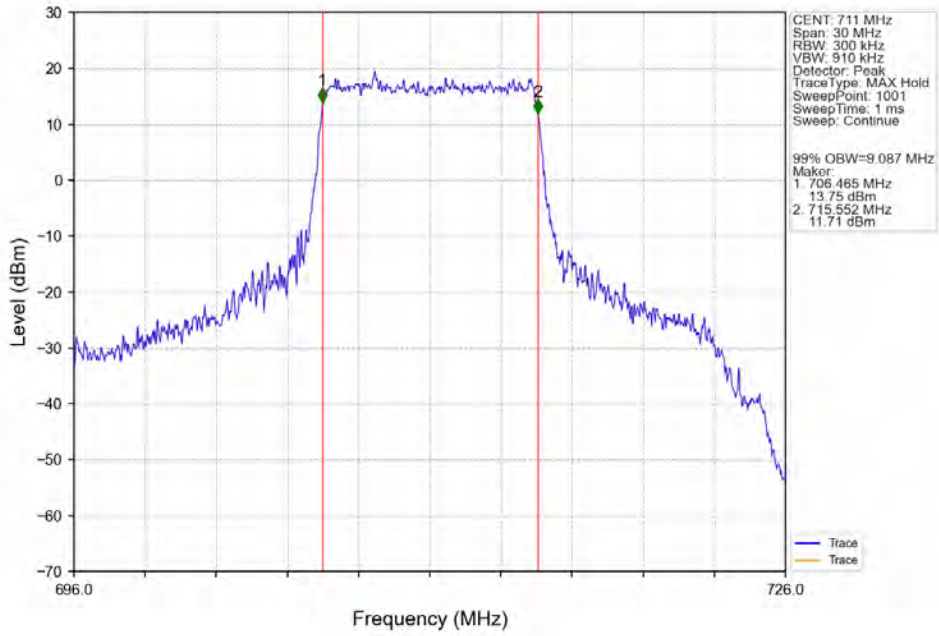
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



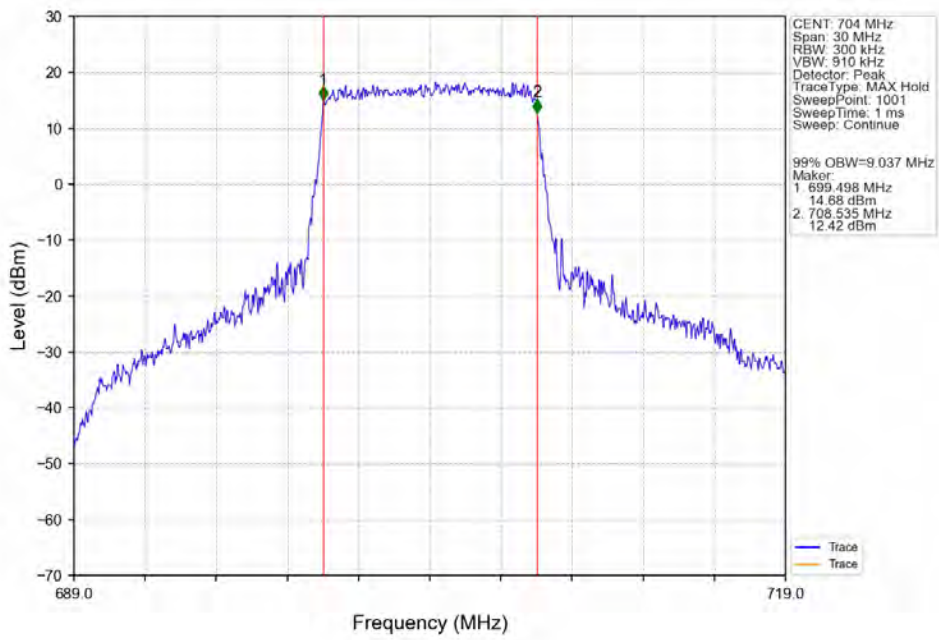

Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



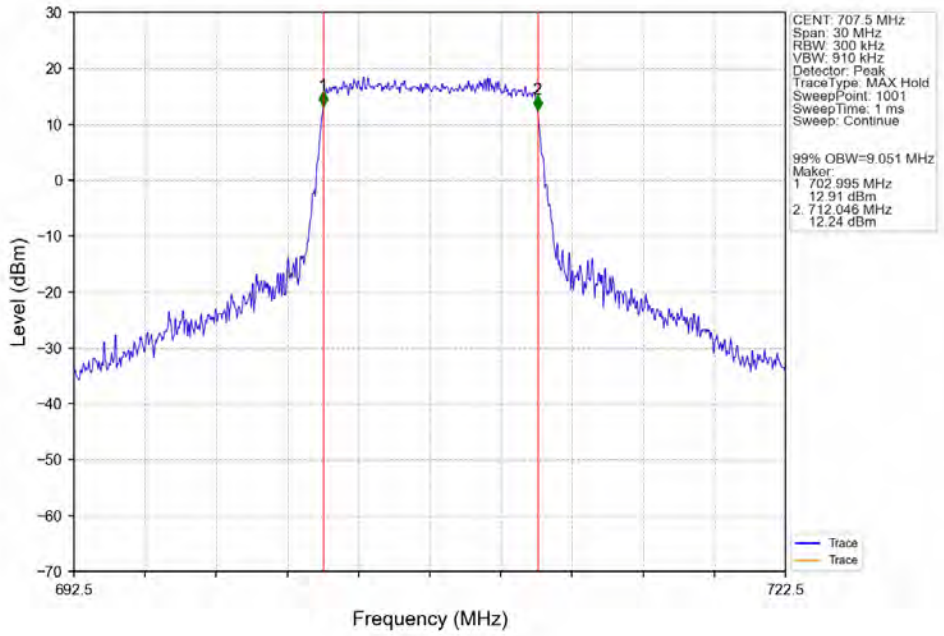
Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



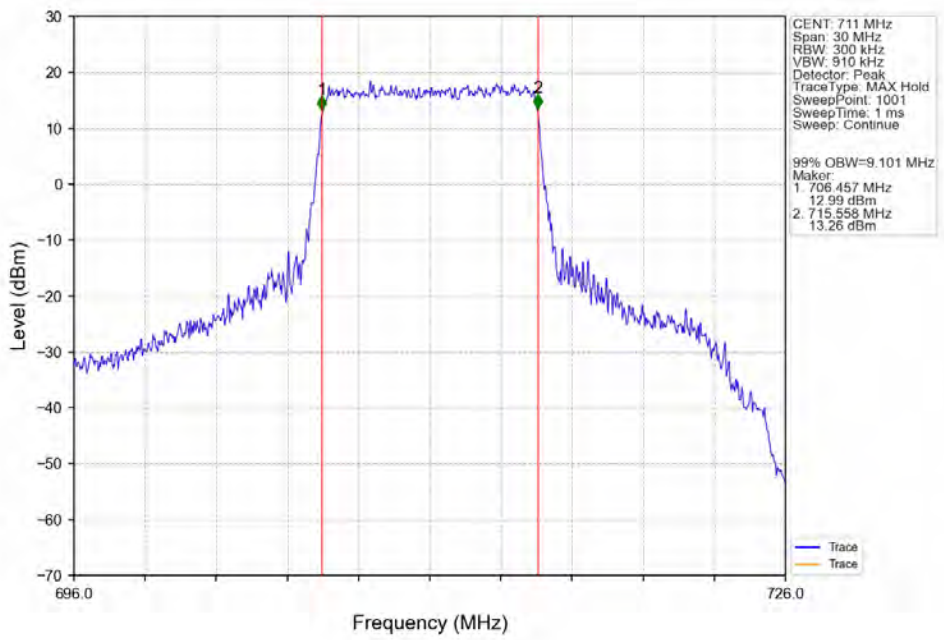

Band12_10MHz_64QAM_LCH_704MHz_RB_50_0_NTNV



Band12_10MHz_64QAM_MCH_707.5MHz_RB_50_0_NTNV




Band12_10MHz_64QAM_HCH_711MHz_RB_50_0_NTNV



## 3.2.2 Band12_XDB

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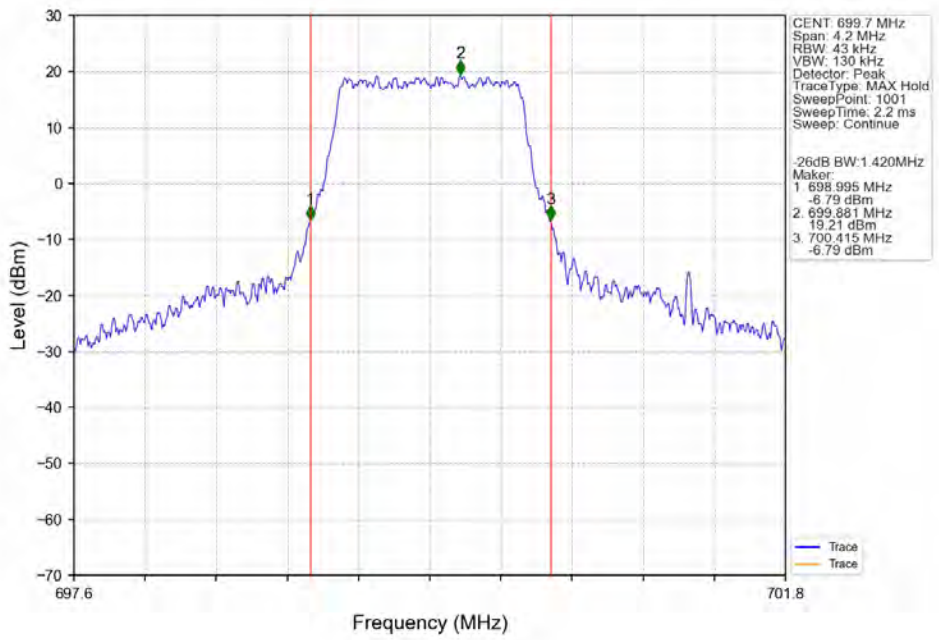
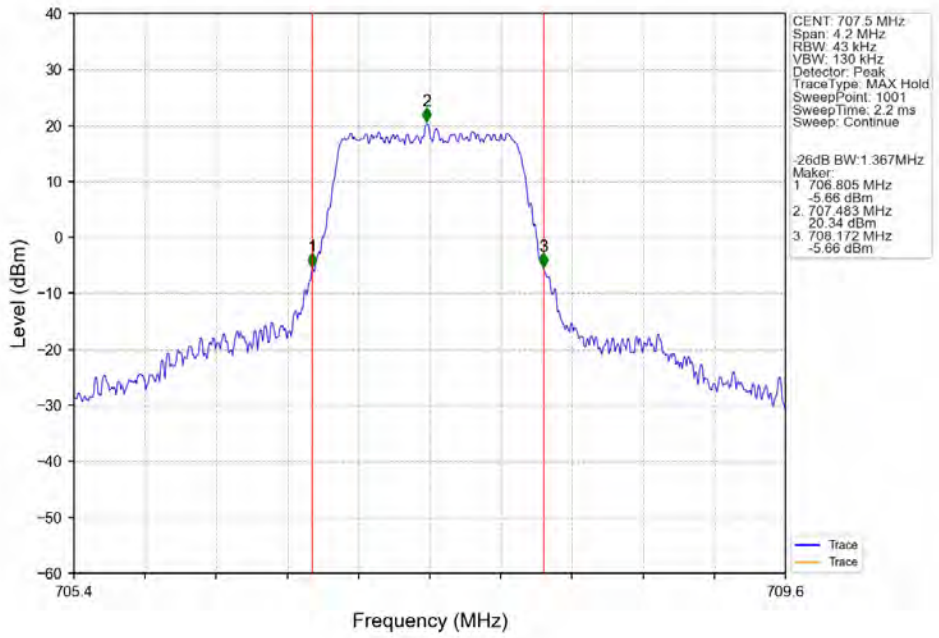
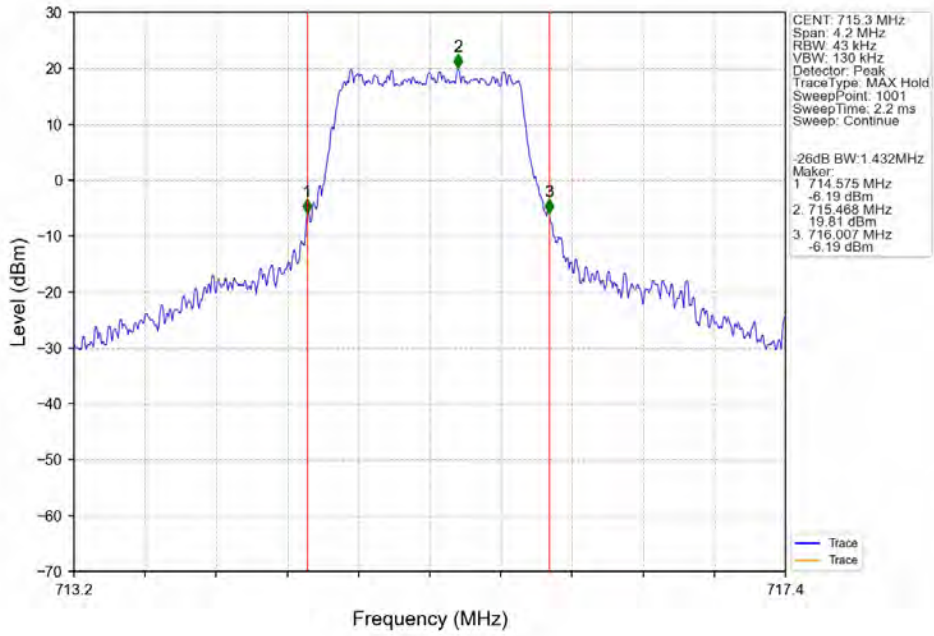


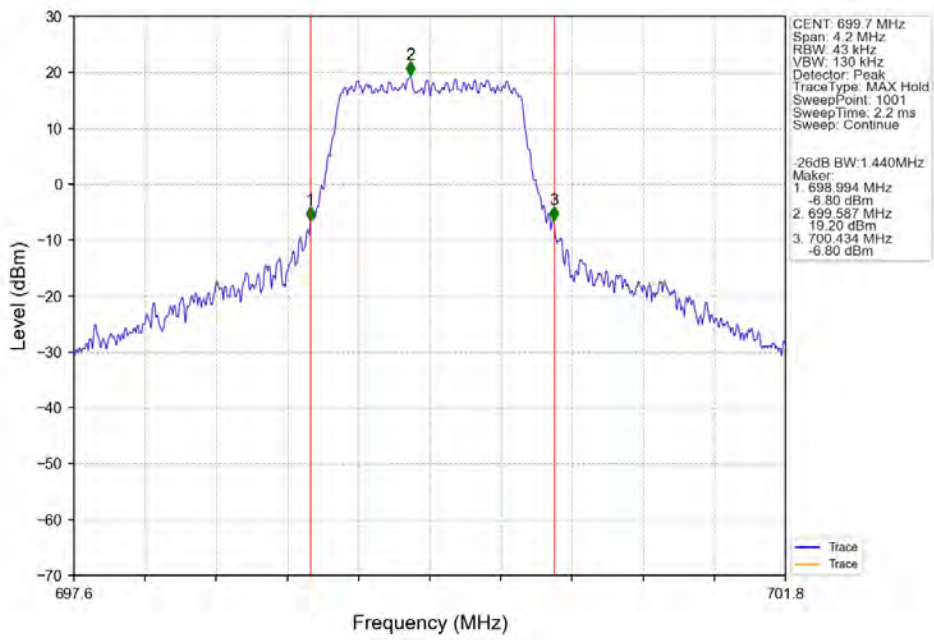

Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_6_0_NTNV



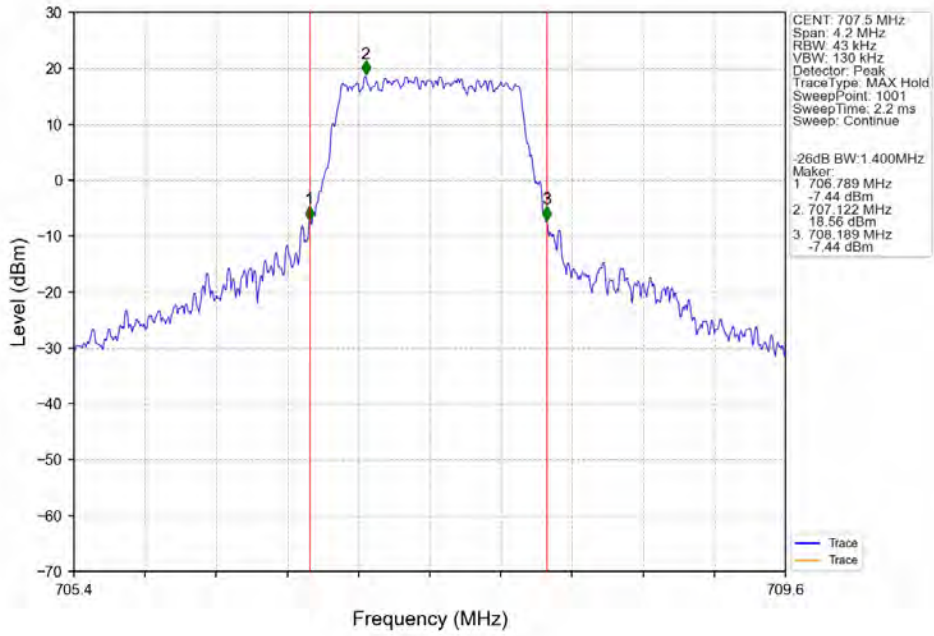
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



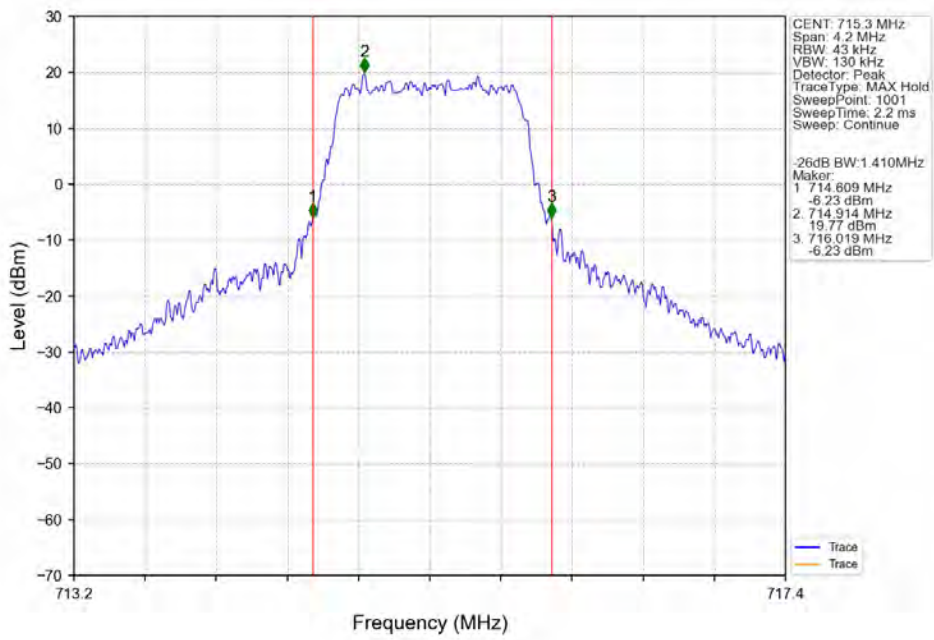

Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV



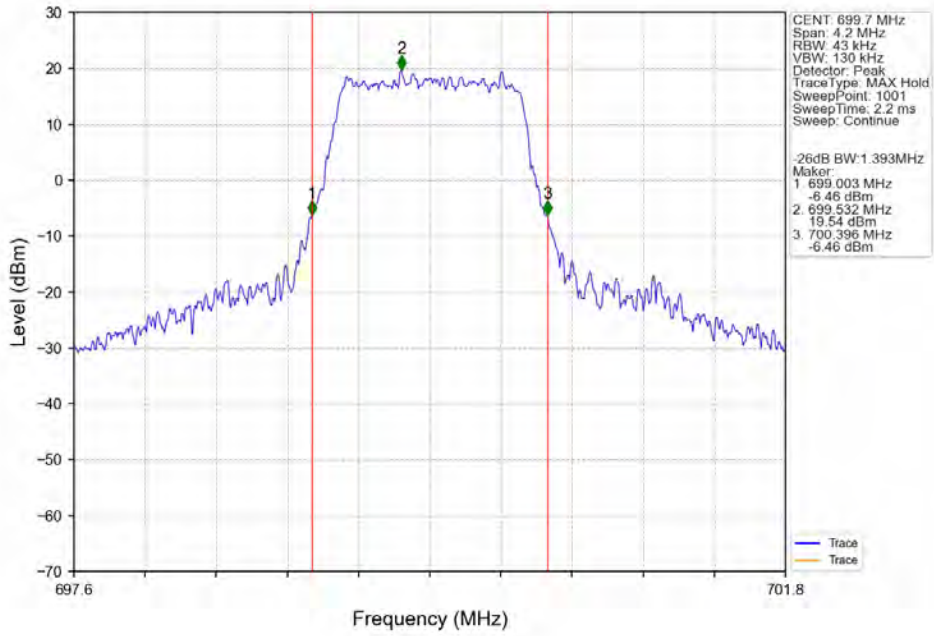
Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_6_0_NTNV



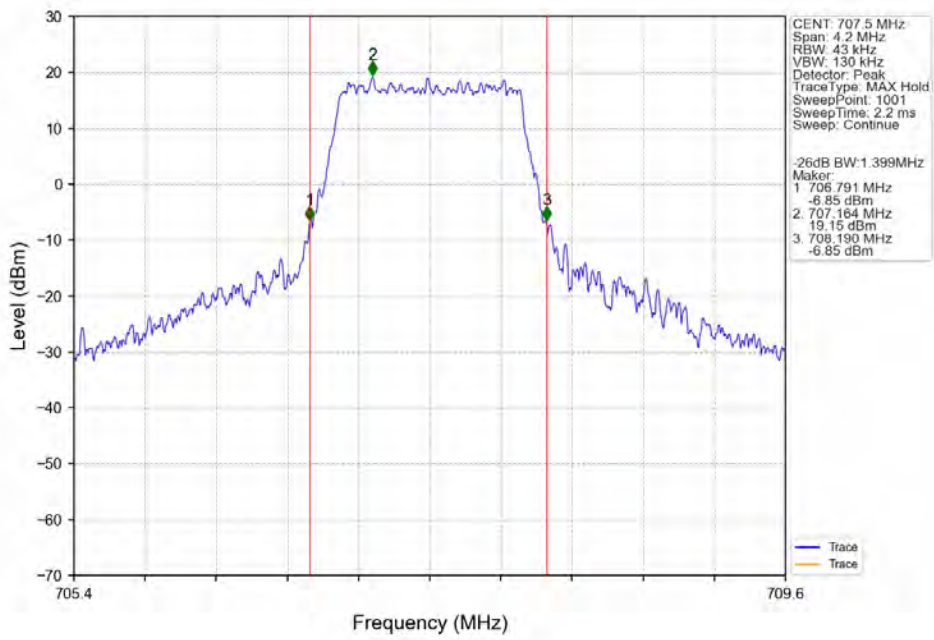

Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_6_0_NTNV



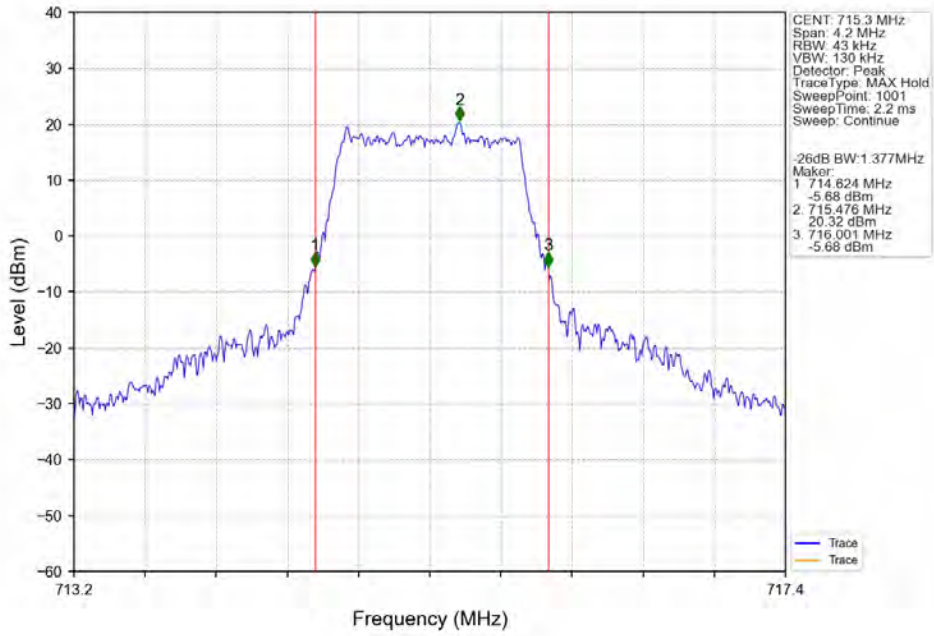
Band12_1.4MHz_64QAM_LCH_699.7MHz_RB_6_0_NTNV




Band12_1.4MHz_64QAM_MCH_707.5MHz_RB_6_0_NTNV



Band12_1.4MHz_64QAM_HCH_715.3MHz_RB_6_0_NTNV

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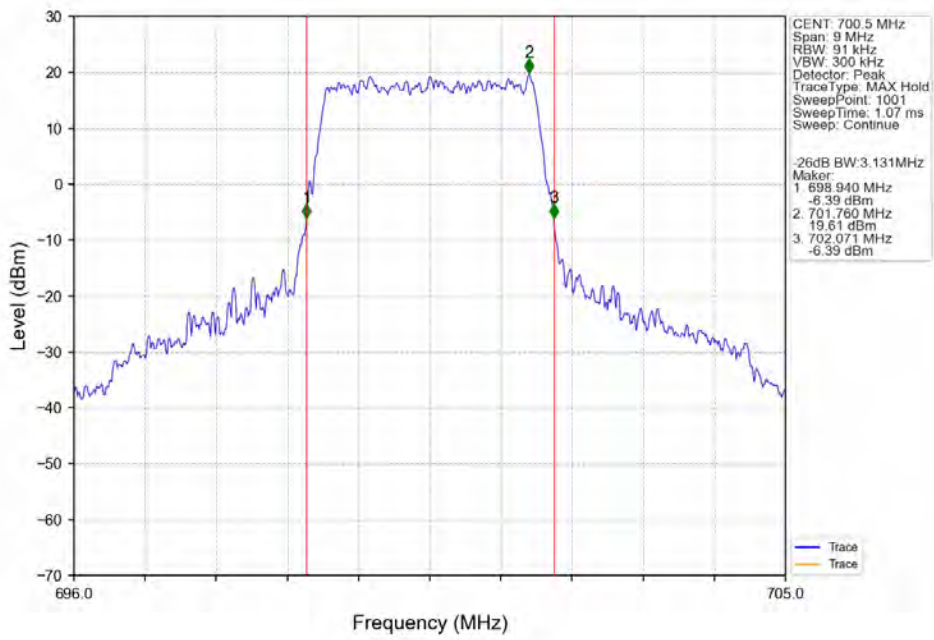
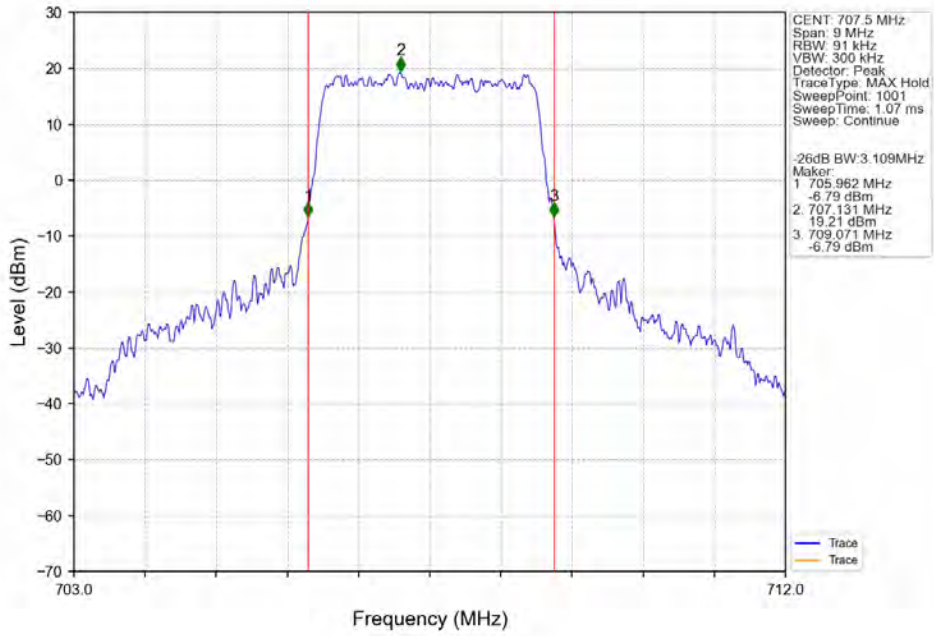
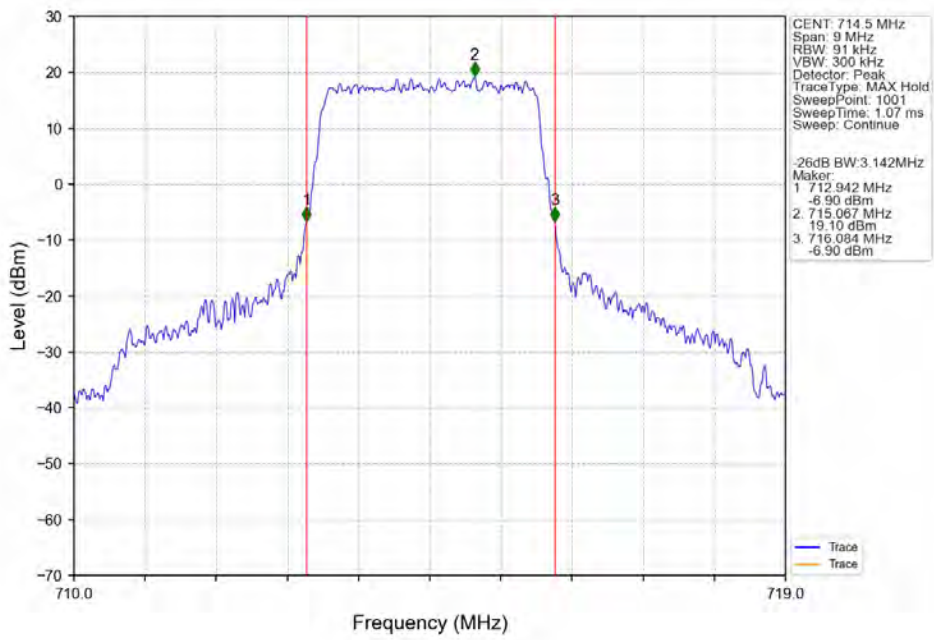


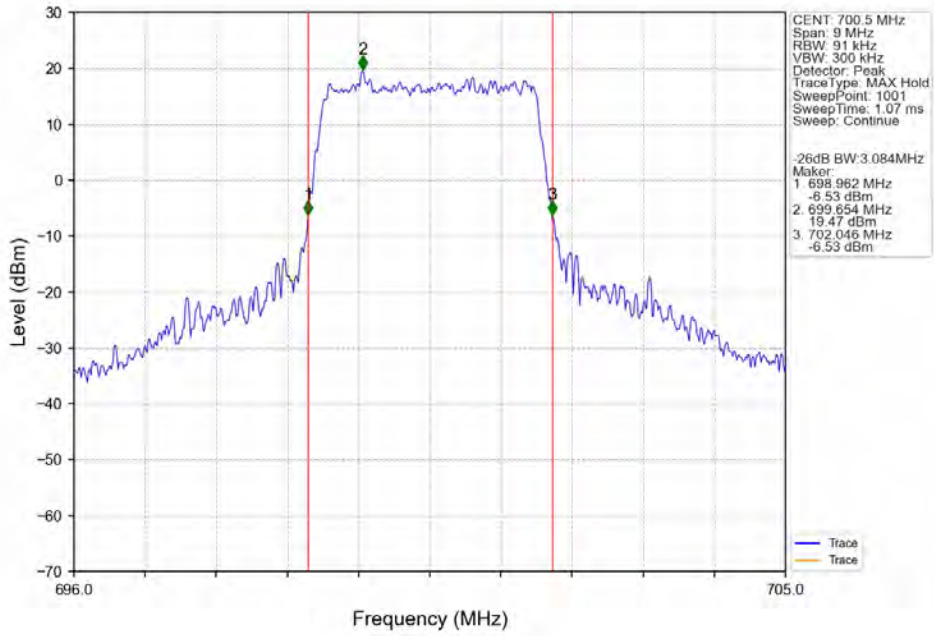
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



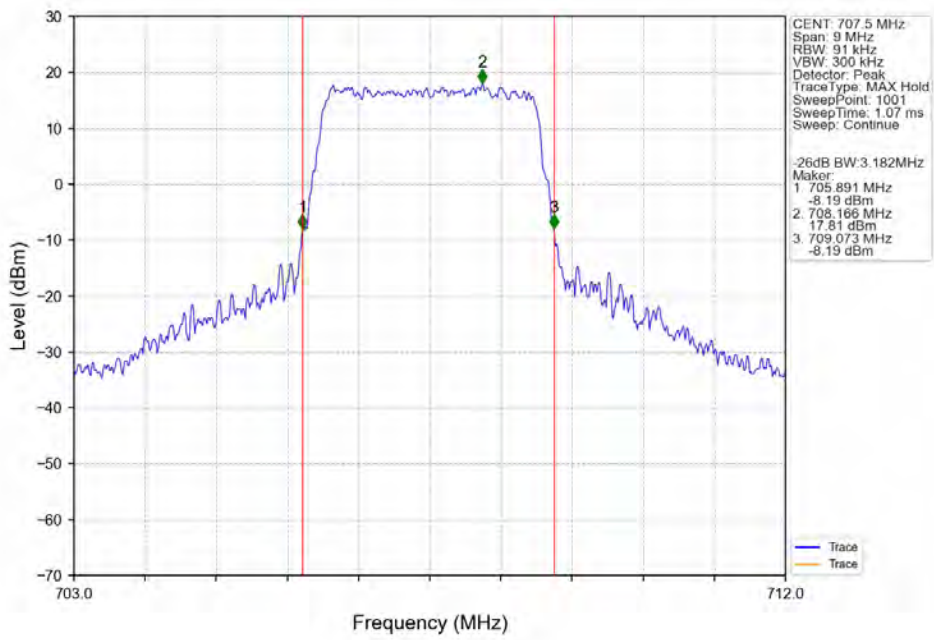

Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



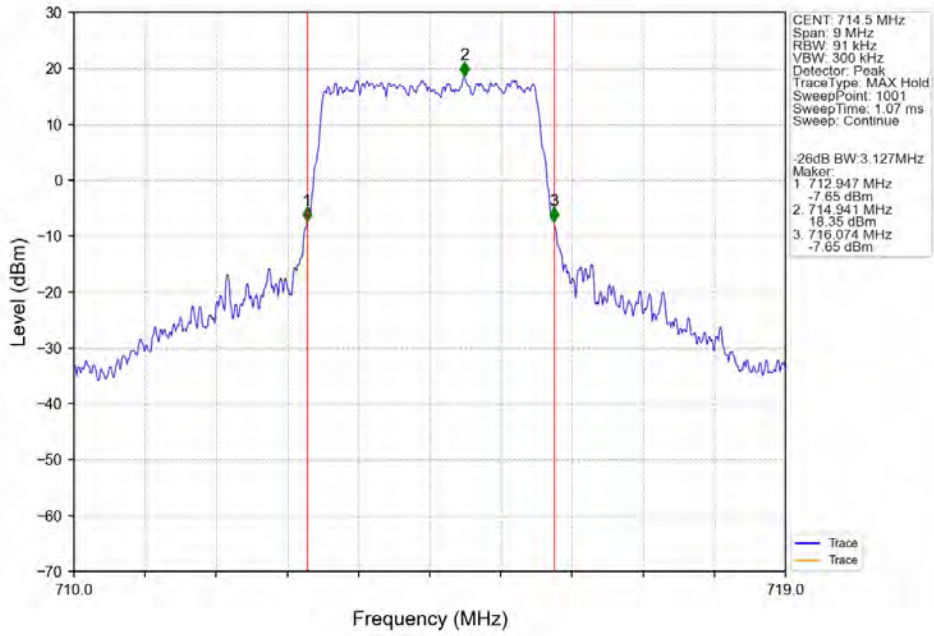
Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV



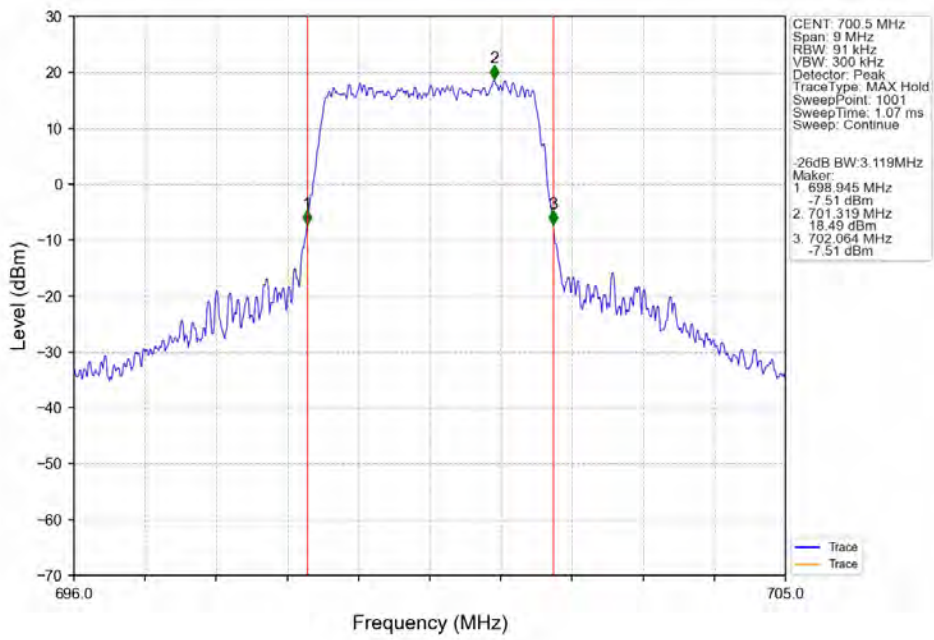

Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



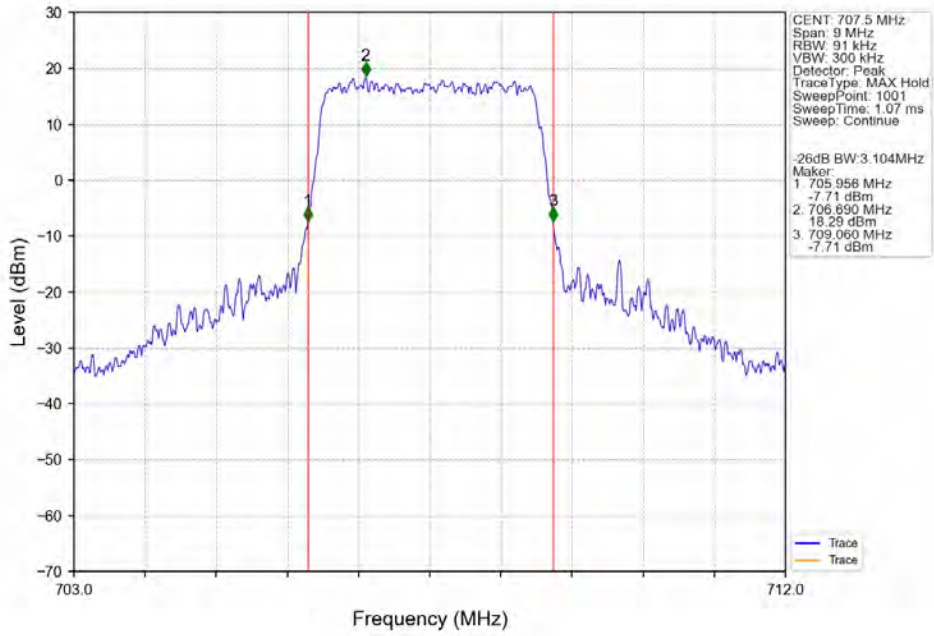
Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV



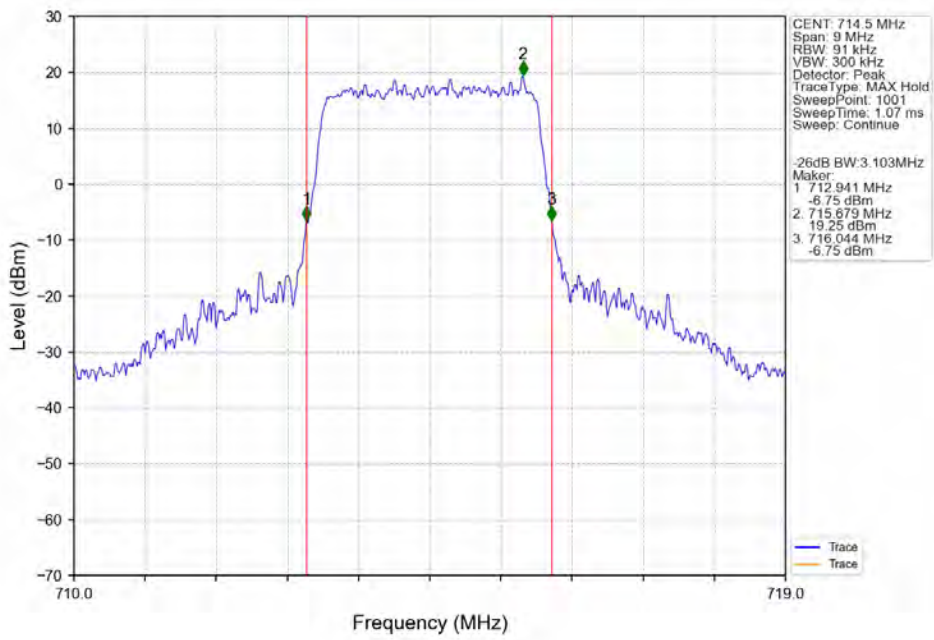

Band12_3MHz_64QAM_LCH_700.5MHz_RB_15_0_NTNV



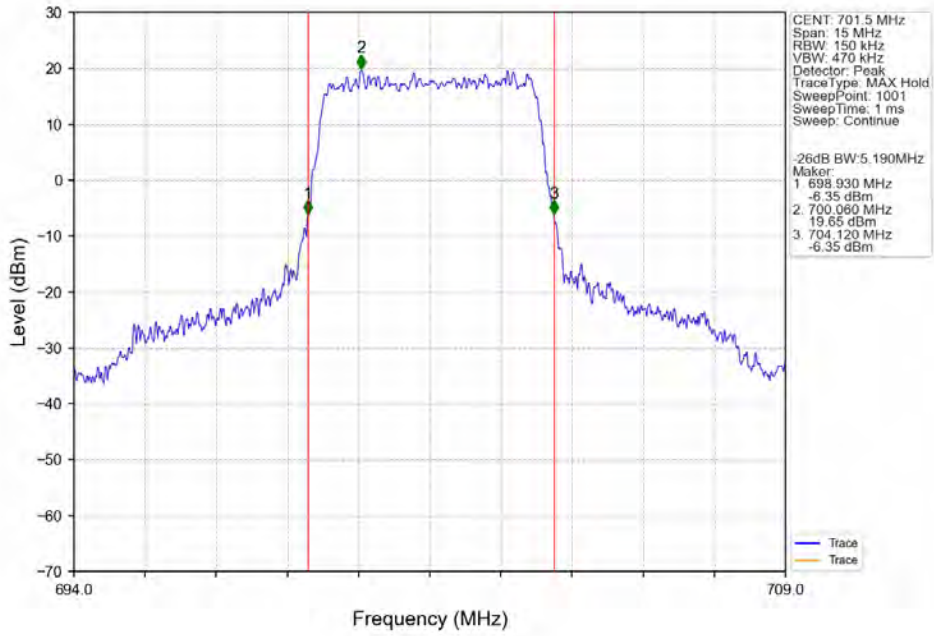
Band12_3MHz_64QAM_MCH_707.5MHz_RB_15_0_NTNV



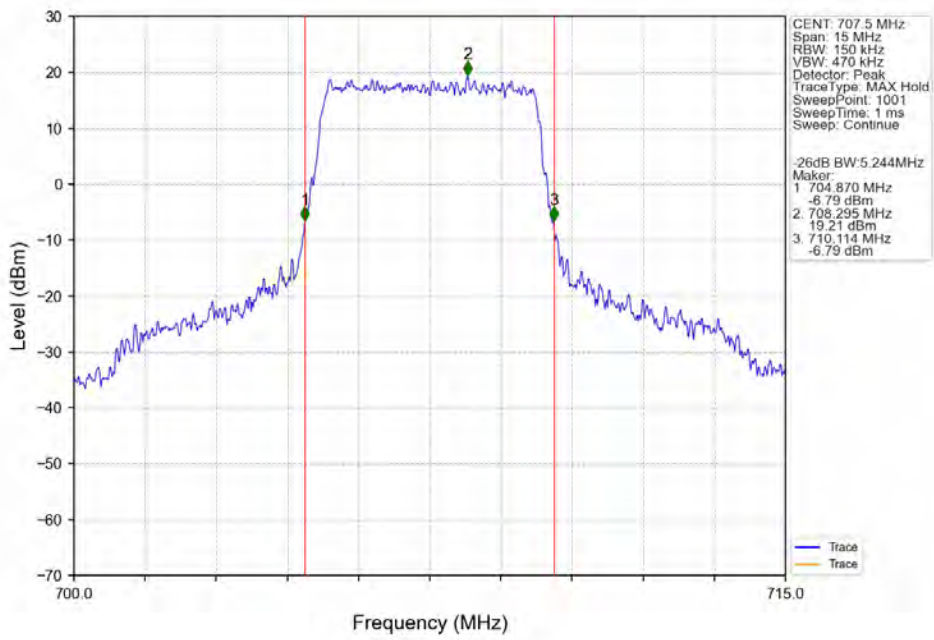

Band12_3MHz_64QAM_HCH_714.5MHz_RB_15_0_NTNV



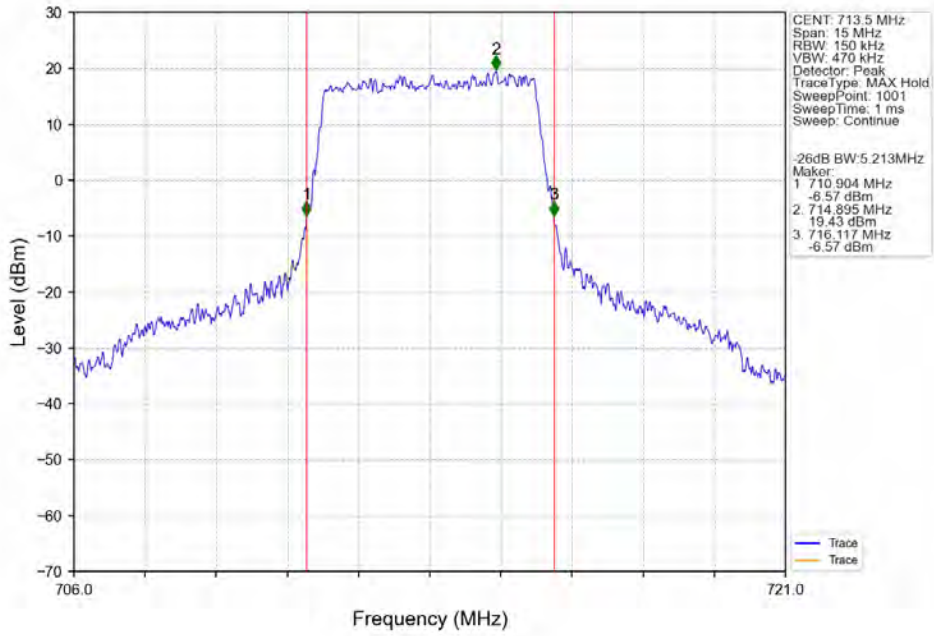
Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV



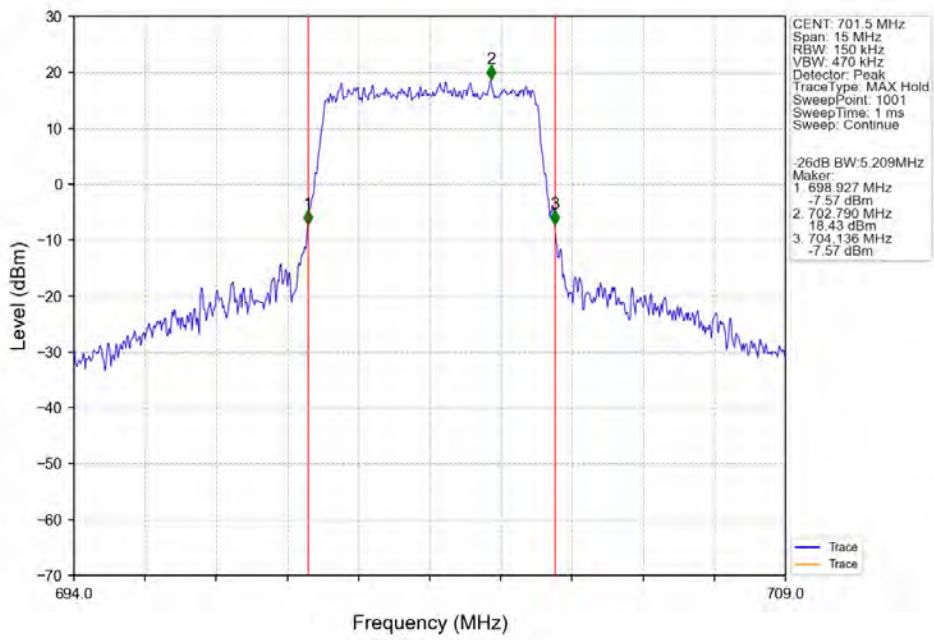

Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



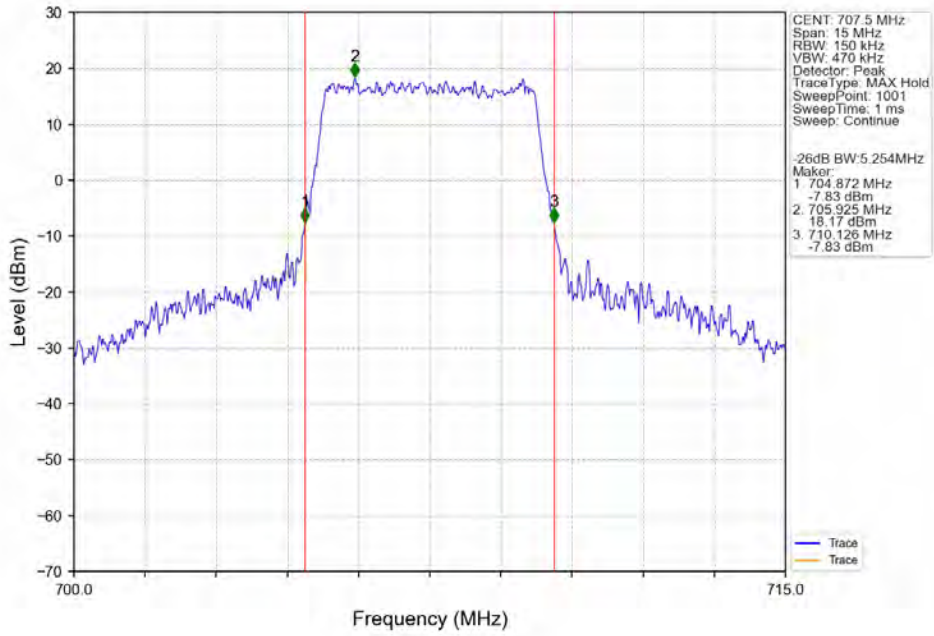
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



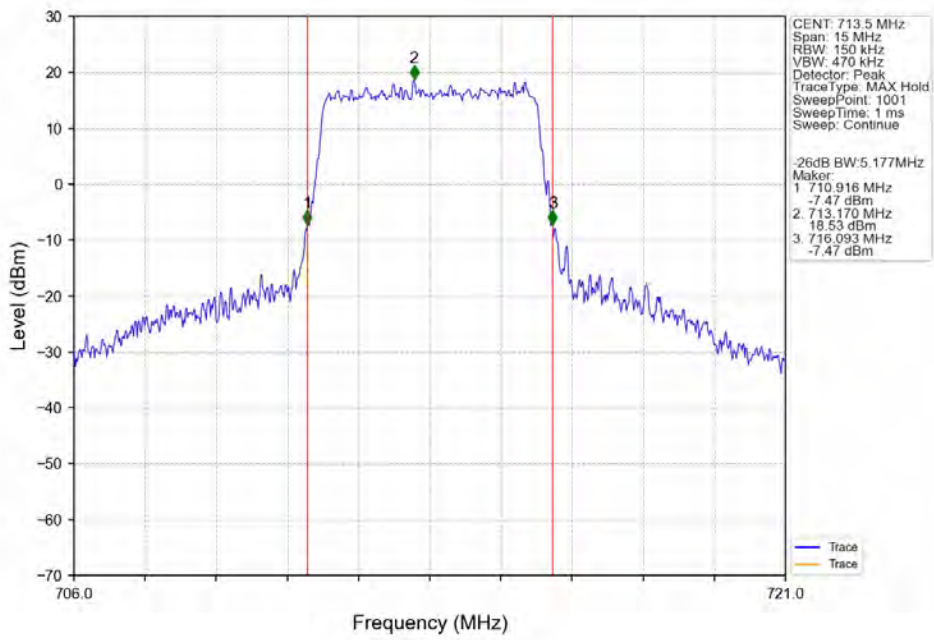

Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV



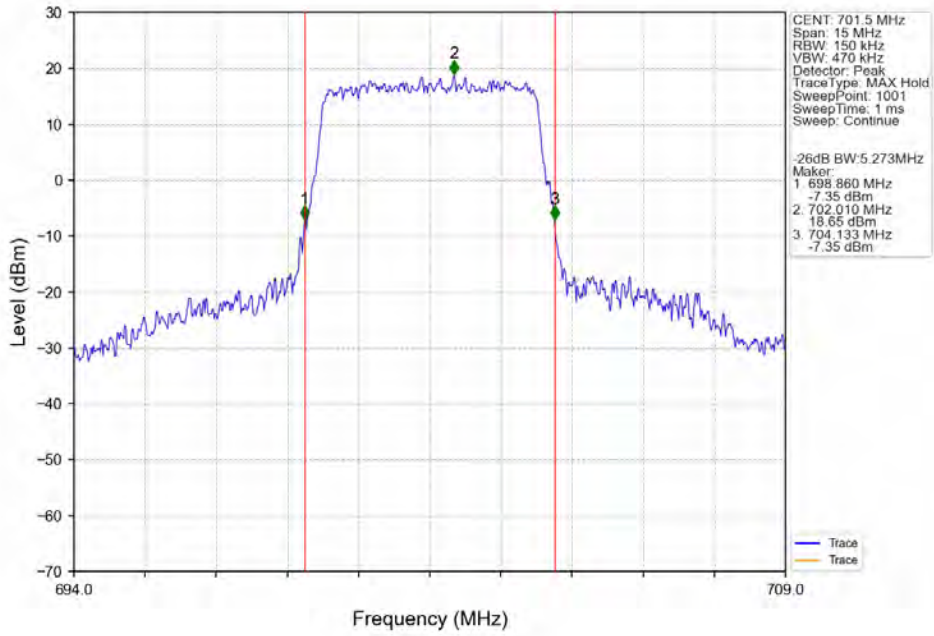
Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



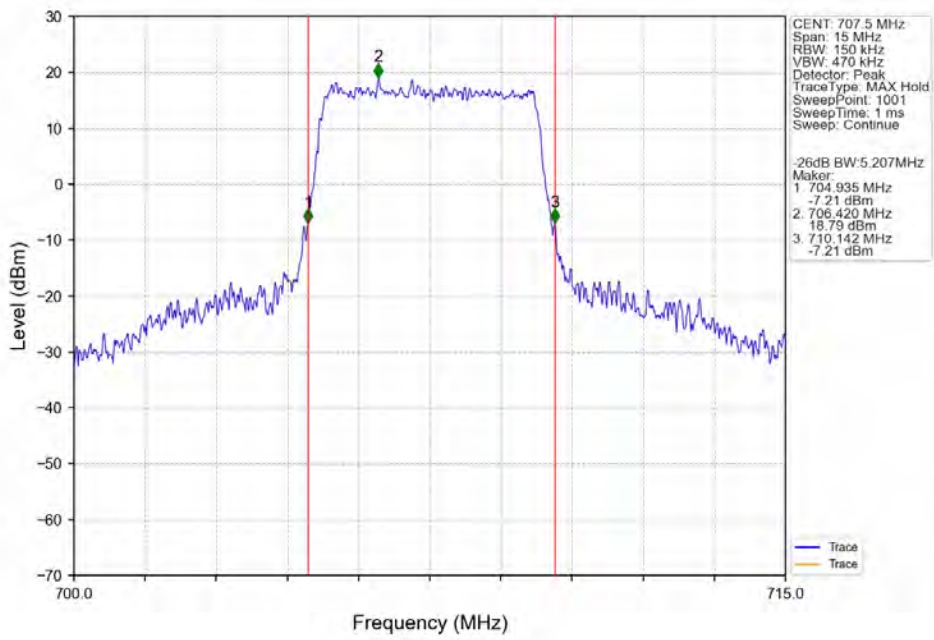

Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



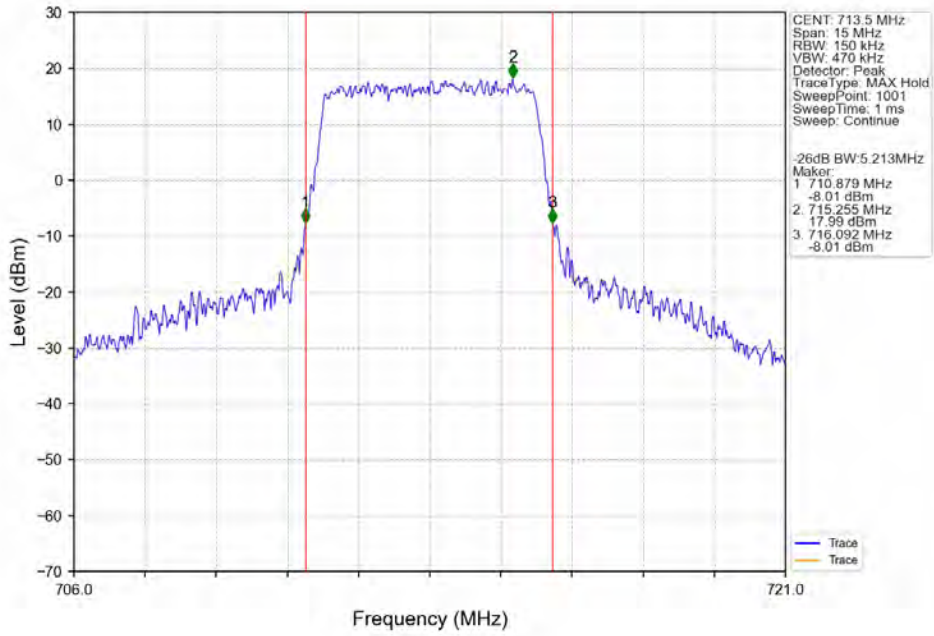
Band12_5MHz_64QAM_LCH_701.5MHz_RB_25_0_NTNV



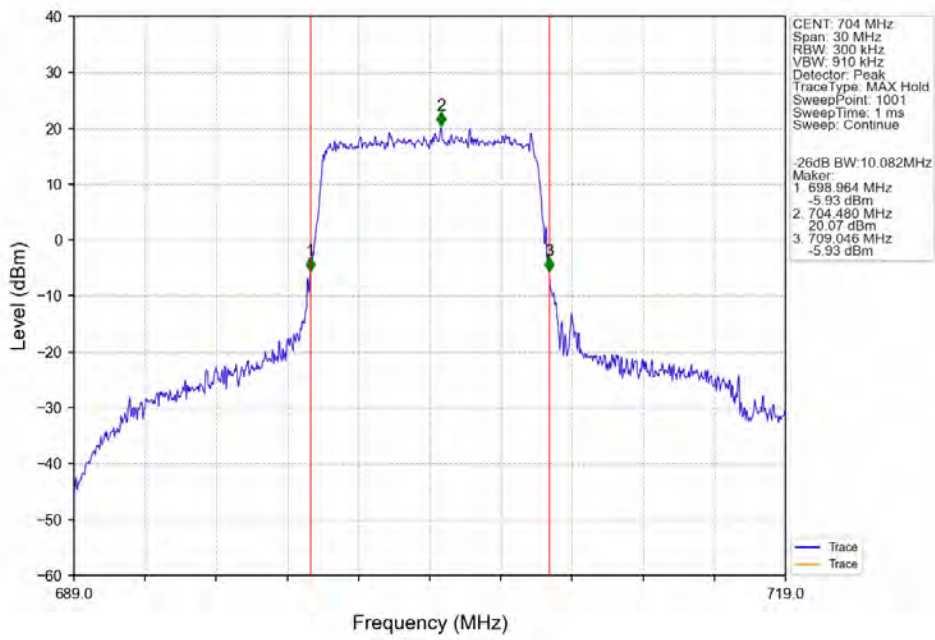

Band12_5MHz_64QAM_MCH_707.5MHz_RB_25_0_NTNV



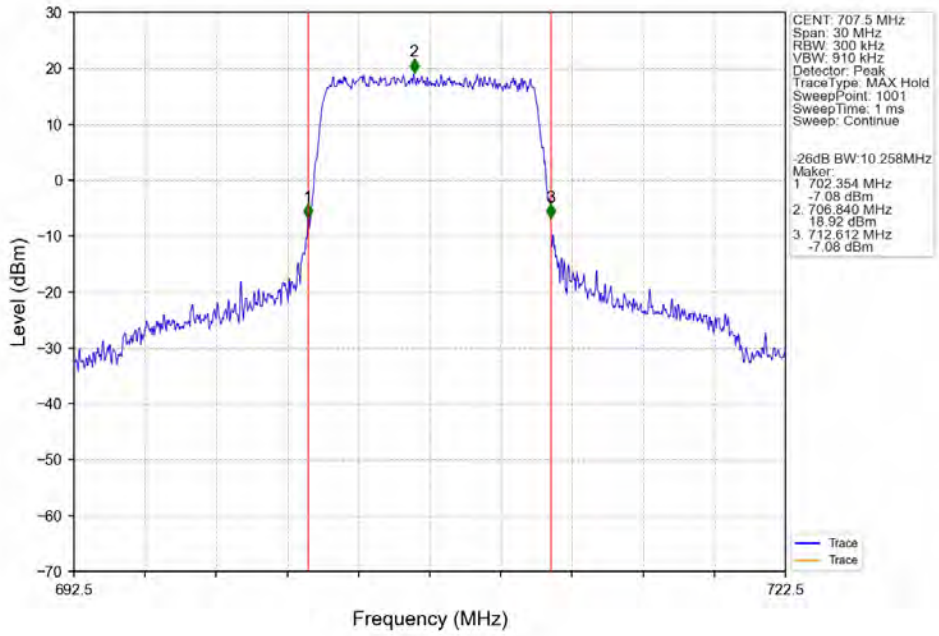
Band12_5MHz_64QAM_HCH_713.5MHz_RB_25_0_NTNV



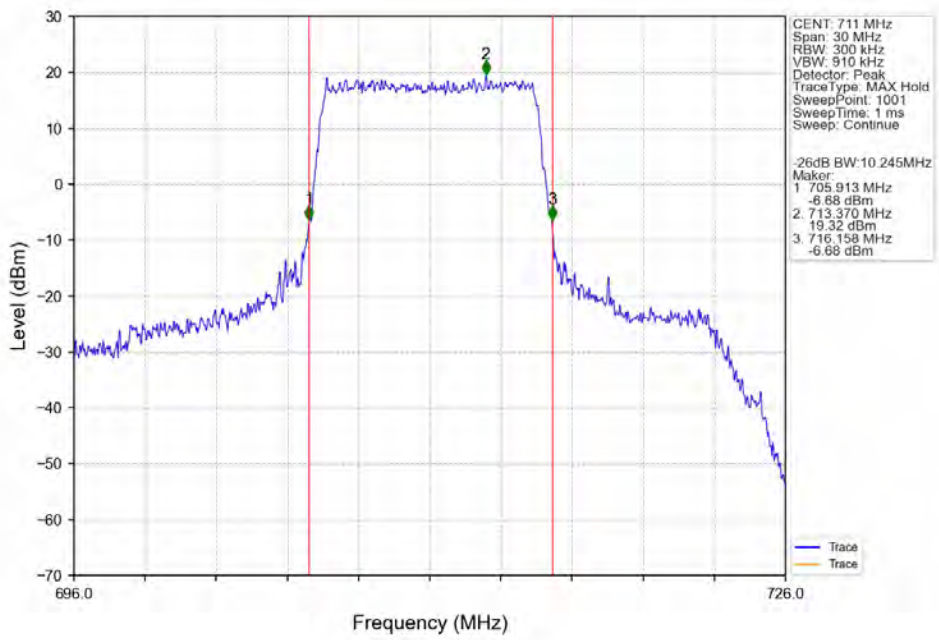

Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV



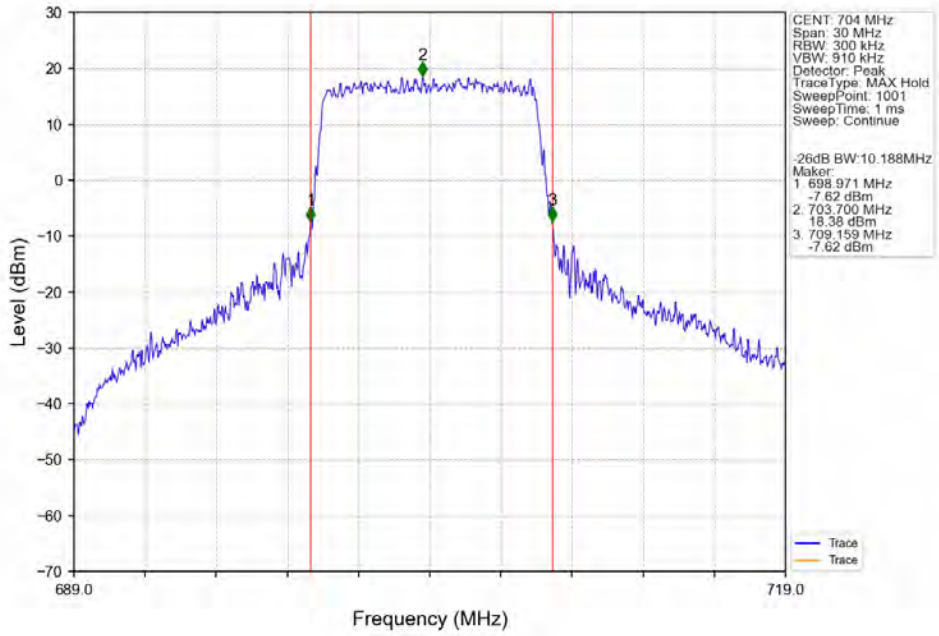
Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV



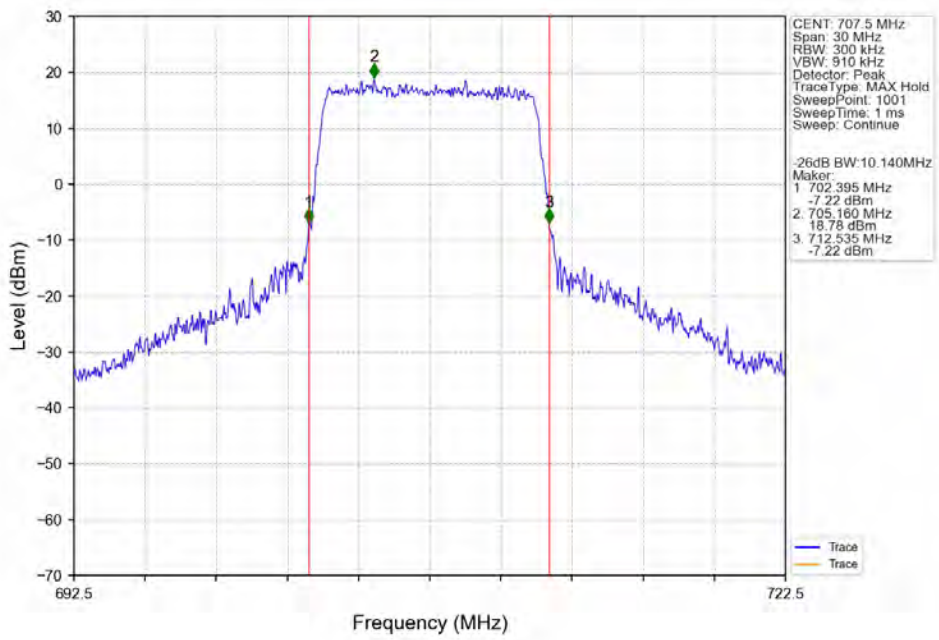

Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



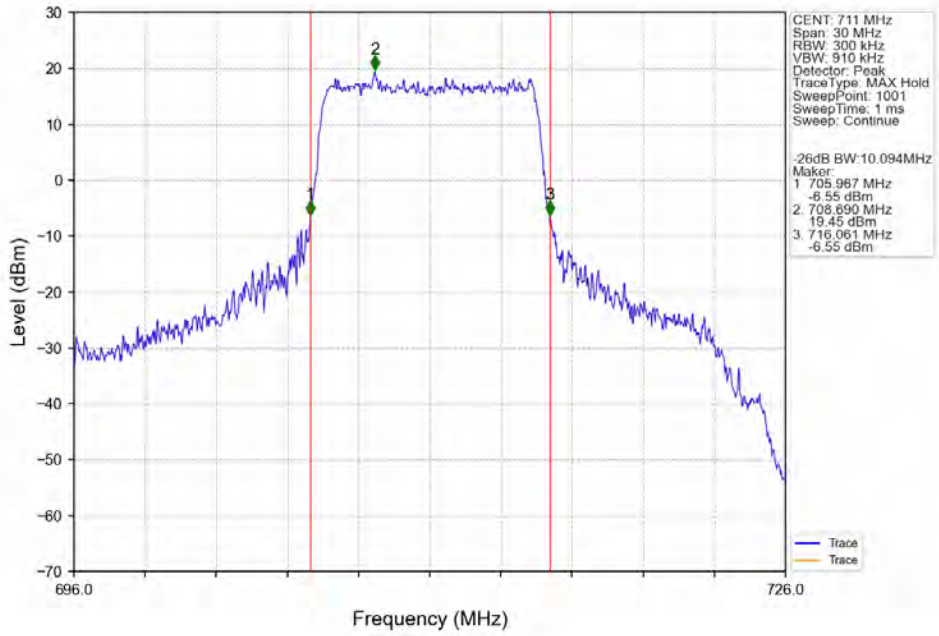
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



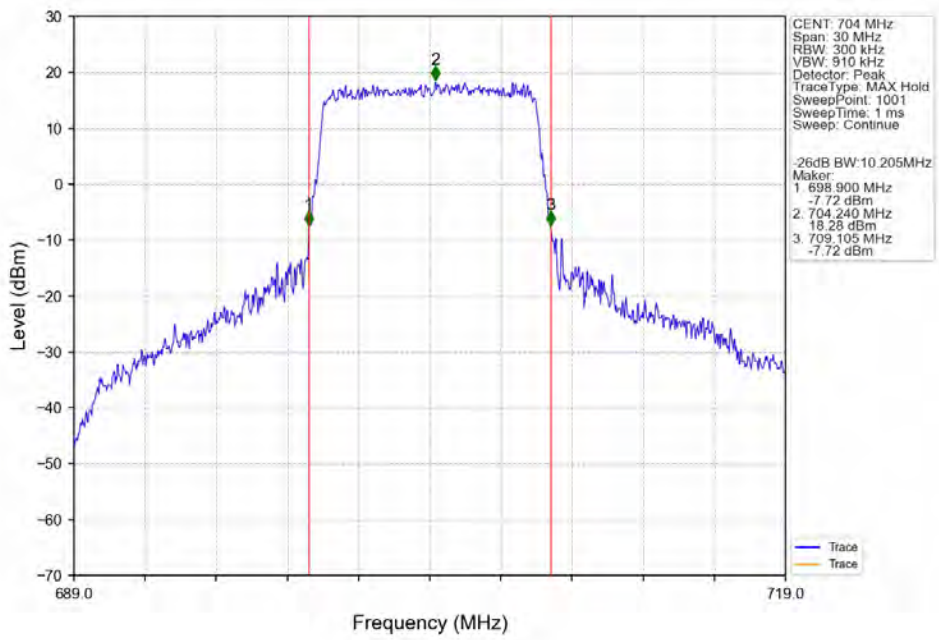

Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



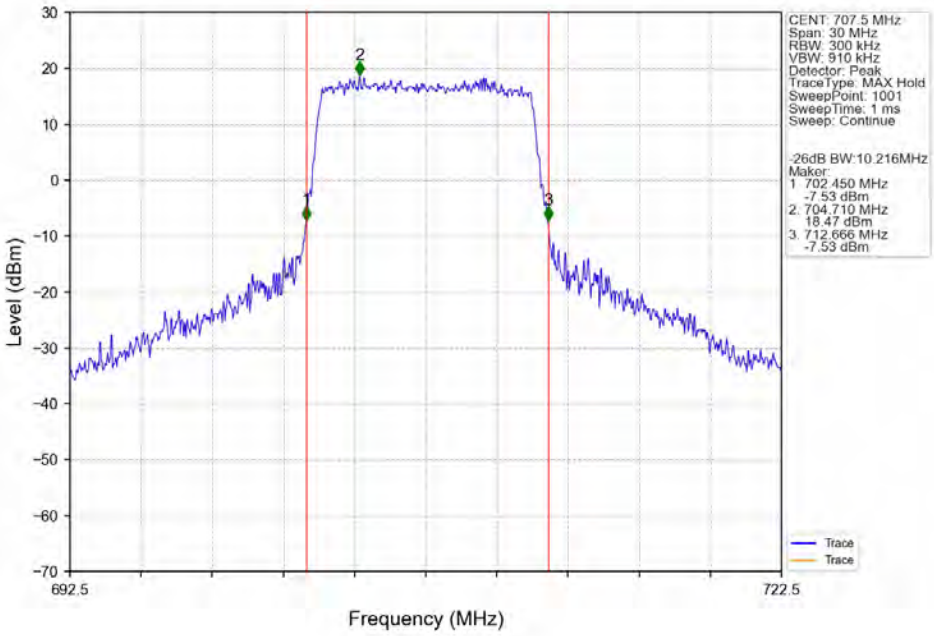
Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



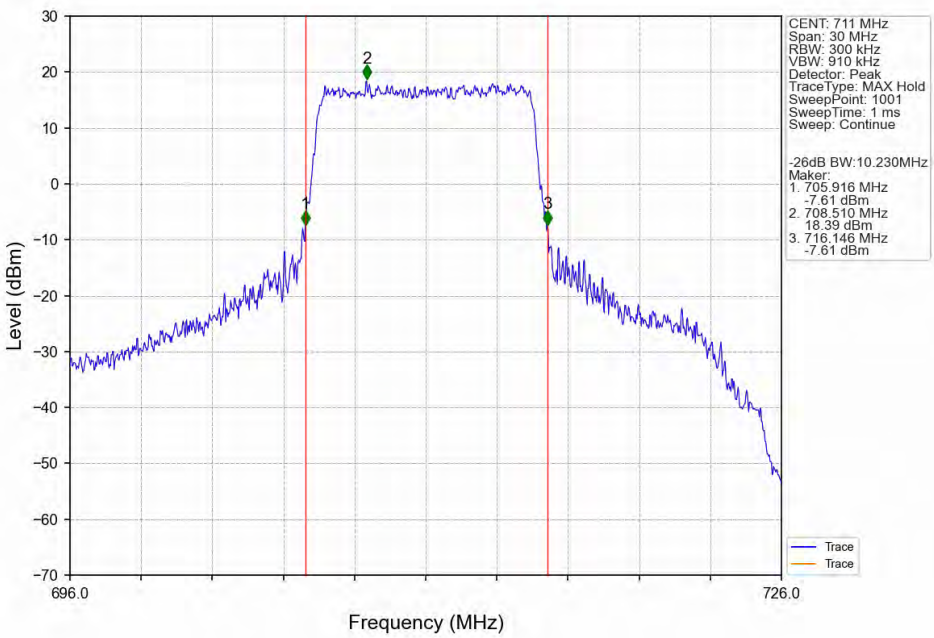

Band12_10MHz_64QAM_LCH_704MHz_RB_50_0_NTNV



Band12_10MHz_64QAM_MCH_707.5MHz_RB_50_0_NTNV




Band12_10MHz_64QAM_HCH_711MHz_RB_50_0_NTNV



# 4. Peak-Average Ratio

## 4.1 Test Result

### 4.1.1 B12_1.4MHz

| Band: 12 / Bandwidth: 1.4MHz / NTNV | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Peak-Average Ratio (dB) | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 699.7 | 6 | 0 | 5.20 | <=13 | Pass |
| | 707.5 | 6 | 0 | 5.12 | <=13 | Pass |
| | 715.3 | 6 | 0 | 4.97 | <=13 | Pass |
| 16QAM | 699.7 | 6 | 0 | 6.09 | <=13 | Pass |
| | 707.5 | 6 | 0 | 6.03 | <=13 | Pass |
| | 715.3 | 6 | 0 | 5.88 | <=13 | Pass |
| 64QAM | 699.7 | 6 | 0 | 6.12 | <=13 | Pass |
| | 707.5 | 6 | 0 | 6.03 | <=13 | Pass |
| | 715.3 | 6 | 0 | 5.90 | <=13 | Pass |

### 4.1.2 B12_3MHz

| Band: 12 / Bandwidth: 3MHz / NTNV | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Peak-Average Ratio (dB) | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 700.5 | 15 | 0 | 5.31 | <=13 | Pass |
| | 707.5 | 15 | 0 | 5.25 | <=13 | Pass |
| | 714.5 | 15 | 0 | 5.17 | <=13 | Pass |
| 16QAM | 700.5 | 15 | 0 | 6.21 | <=13 | Pass |
| | 707.5 | 15 | 0 | 6.14 | <=13 | Pass |
| | 714.5 | 15 | 0 | 6.06 | <=13 | Pass |
| 64QAM | 700.5 | 15 | 0 | 6.20 | <=13 | Pass |
| | 707.5 | 15 | 0 | 6.13 | <=13 | Pass |
| | 714.5 | 15 | 0 | 6.06 | <=13 | Pass |

### 4.1.3 B12_5MHz

| Band: 12 / Bandwidth: 5MHz / NTNV | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Peak-Average Ratio (dB) | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 701.5 | 25 | 0 | 5.44 | <=13 | Pass |
| | 707.5 | 25 | 0 | 5.44 | <=13 | Pass |
| | 713.5 | 25 | 0 | 5.46 | <=13 | Pass |
| 16QAM | 701.5 | 25 | 0 | 6.25 | <=13 | Pass |
| | 707.5 | 25 | 0 | 6.22 | <=13 | Pass |
| | 713.5 | 25 | 0 | 6.23 | <=13 | Pass |
| 64QAM | 701.5 | 25 | 0 | 6.25 | <=13 | Pass |
| | 707.5 | 25 | 0 | 6.21 | <=13 | Pass |
| | 713.5 | 25 | 0 | 6.22 | <=13 | Pass |

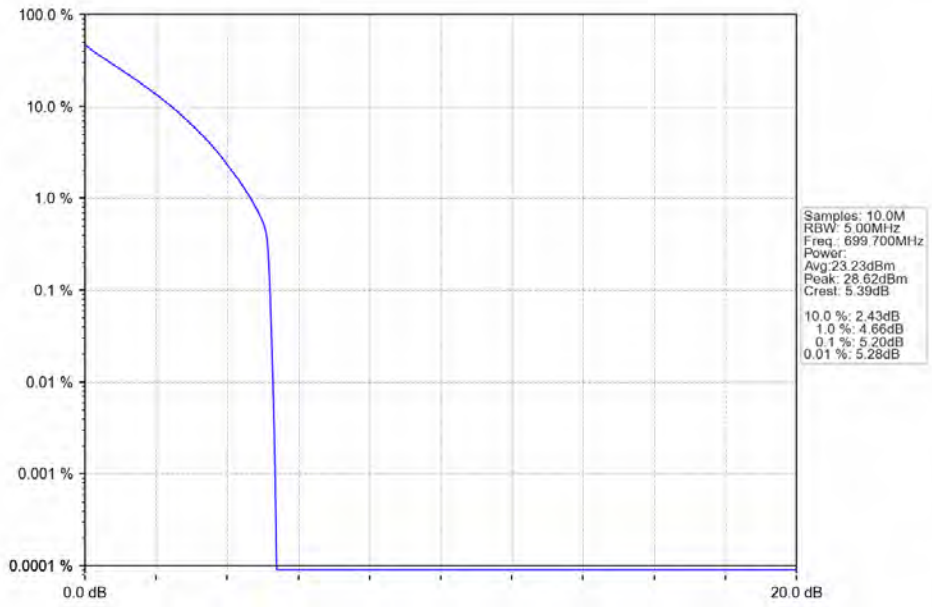
### 4.1.4 B12_10MHz

| Band: 12 / Bandwidth: 10MHz / NTNV | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Peak-Average Ratio (dB) | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 704 | 50 | 0 | 5.41 | <=13 | Pass |
| | 707.5 | 50 | 0 | 5.49 | <=13 | Pass |
| | 711 | 50 | 0 | 5.59 | <=13 | Pass |
| 16QAM | 704 | 50 | 0 | 6.19 | <=13 | Pass |
| | 707.5 | 50 | 0 | 6.20 | <=13 | Pass |
| | 711 | 50 | 0 | 6.29 | <=13 | Pass |
| 64QAM | 704 | 50 | 0 | 6.18 | <=13 | Pass |
| | 707.5 | 50 | 0 | 6.21 | <=13 | Pass |
| | 711 | 50 | 0 | 6.28 | <=13 | Pass |

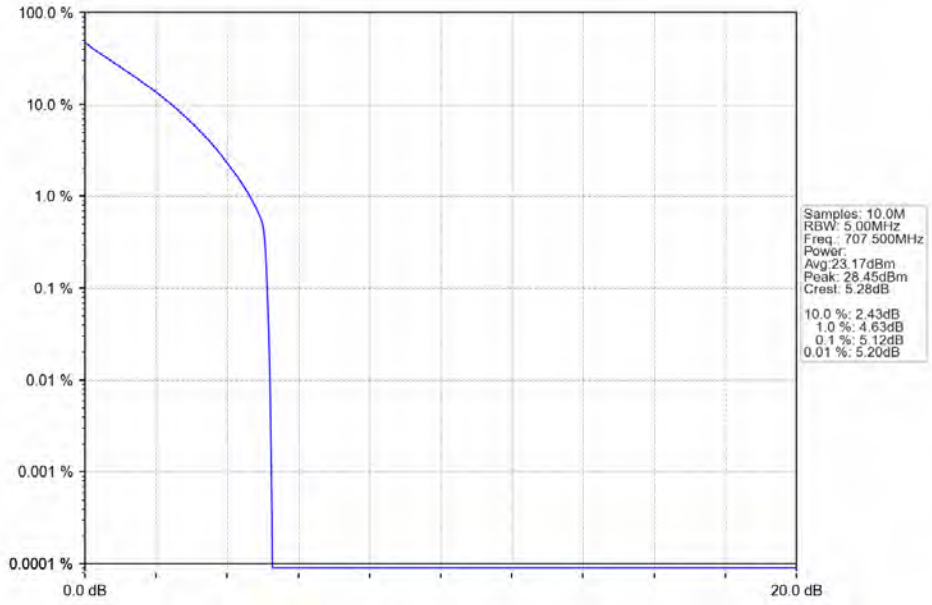
## 4.2 Test Graph

### 4.2.1 B12_1.4MHz

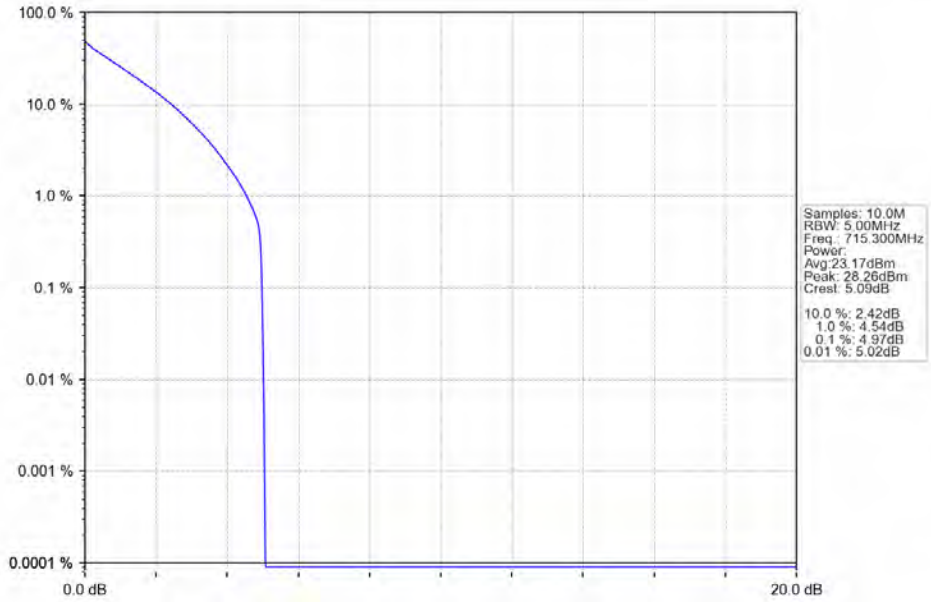
Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_6_0_NTNV



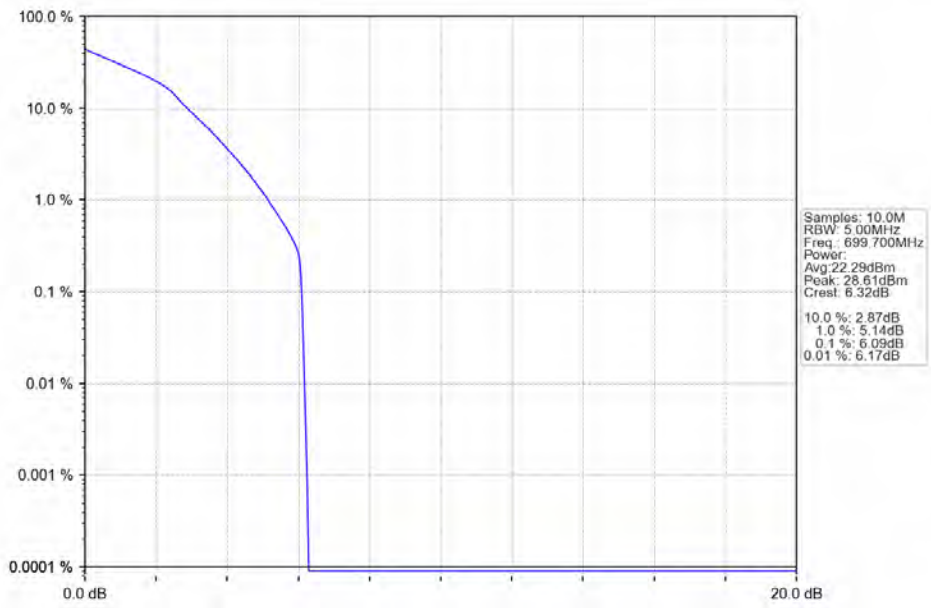

Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_6_0_NTNV



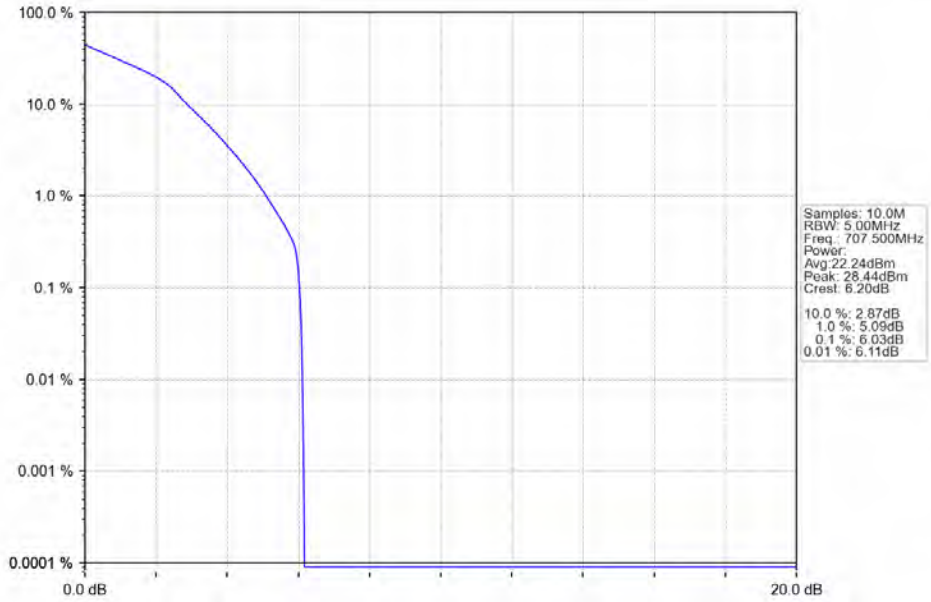
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



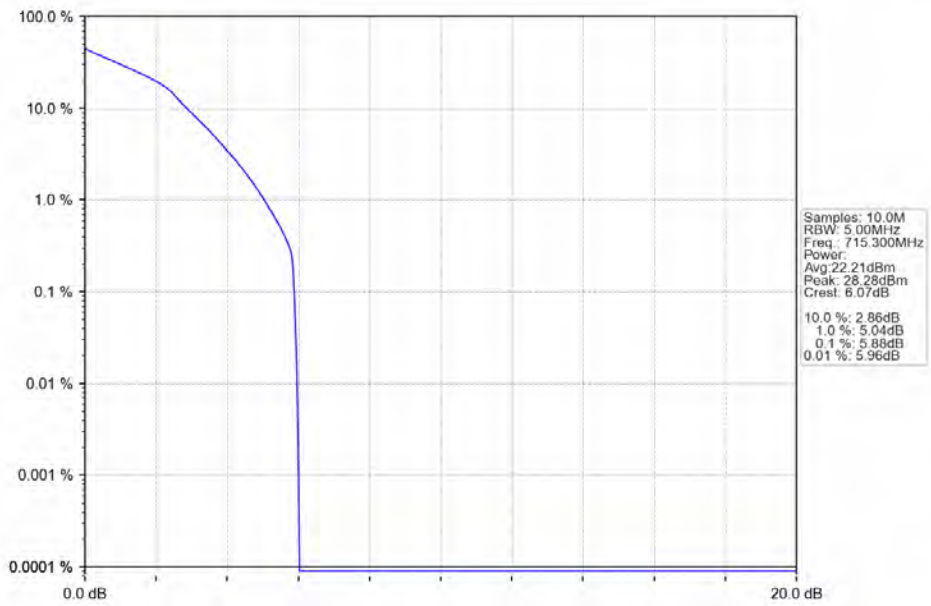

Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV



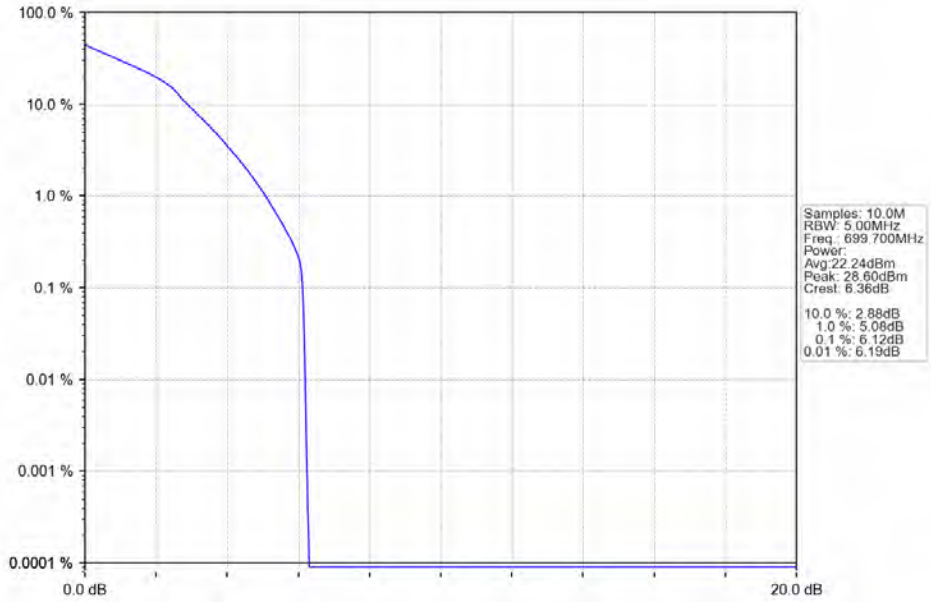
Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_6_0_NTNV



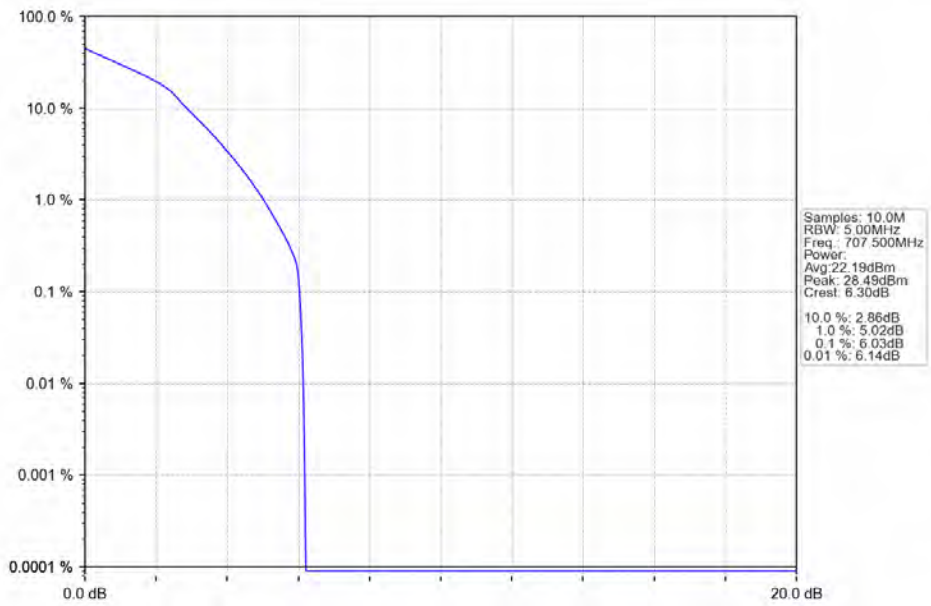

Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_6_0_NTNV



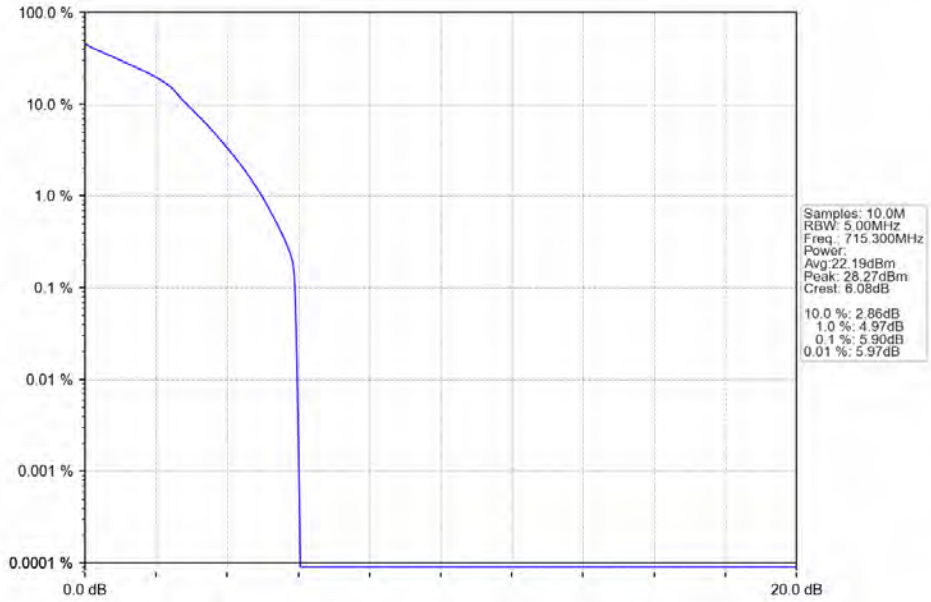
Band12_1.4MHz_64QAM_LCH_699.7MHz_RB_6_0_NTNV



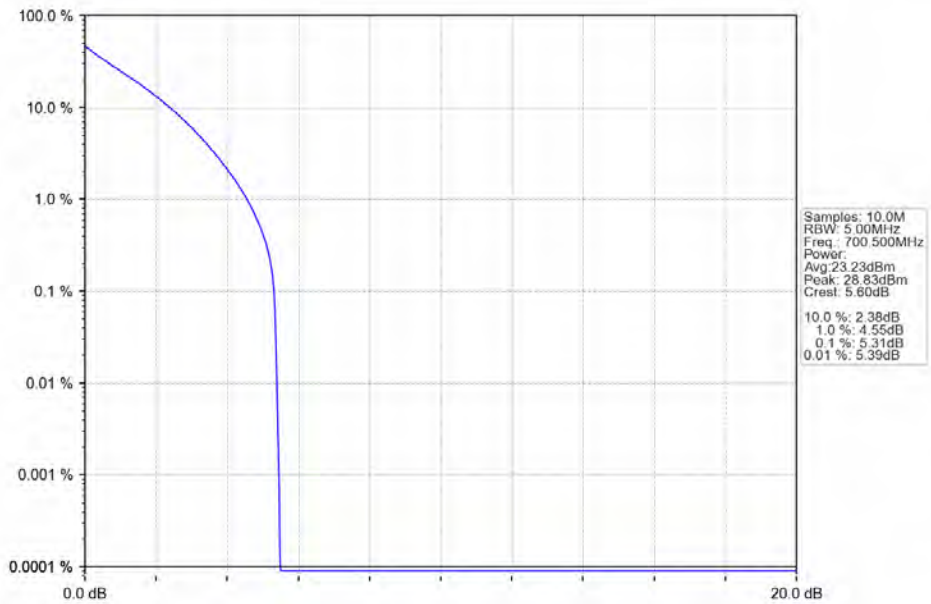

Band12_1.4MHz_64QAM_MCH_707.5MHz_RB_6_0_NTNV



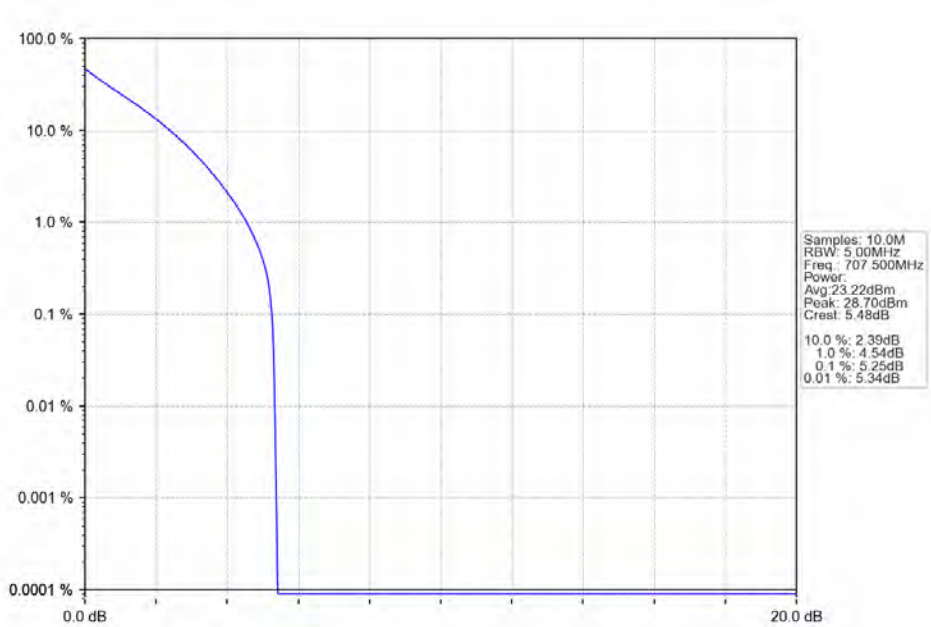
Band12_1.4MHz_64QAM_HCH_715.3MHz_RB_6_0_NTNV



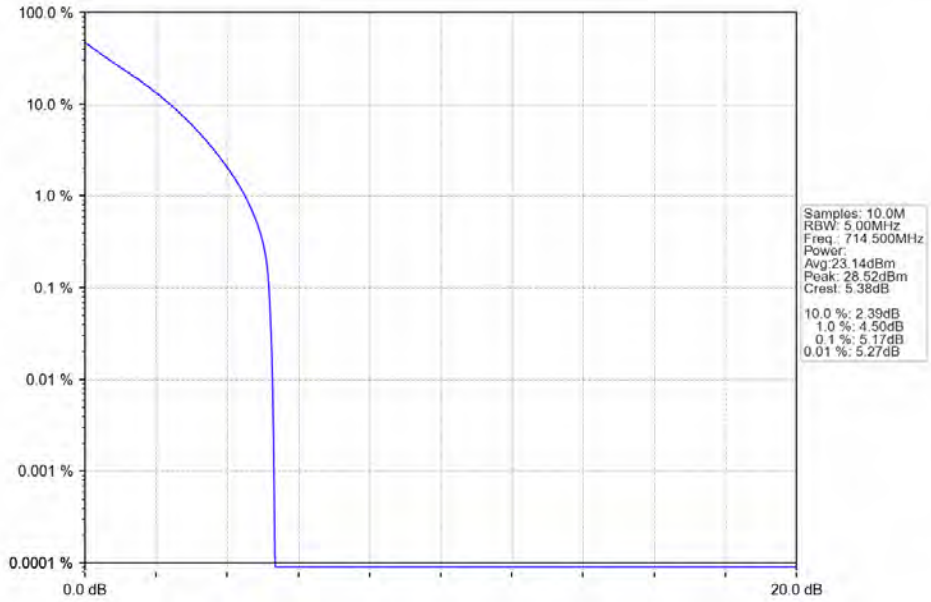
## 4.2.2 B12_3MHz

| Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV |
|---|
|  |

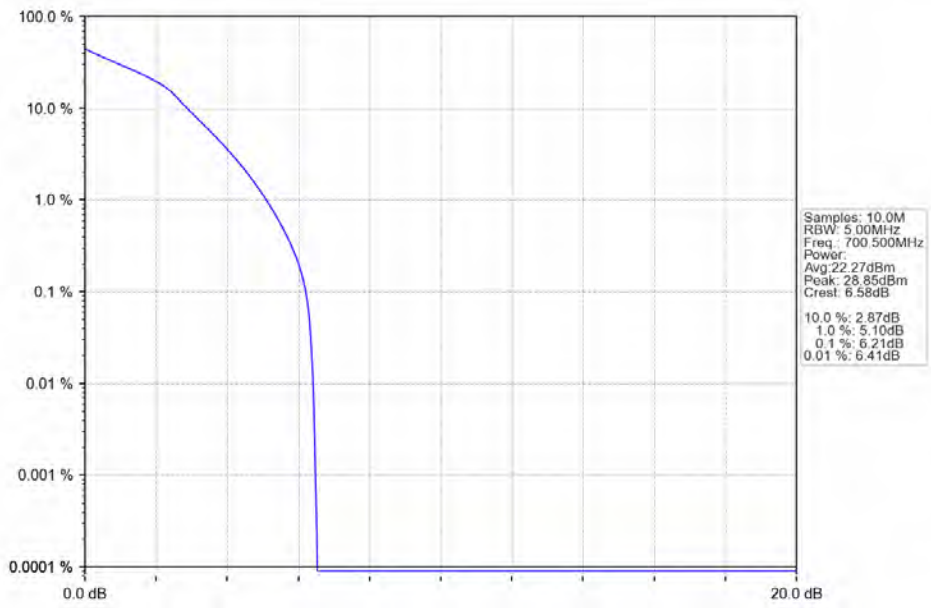


| Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV |
|---|
|  |

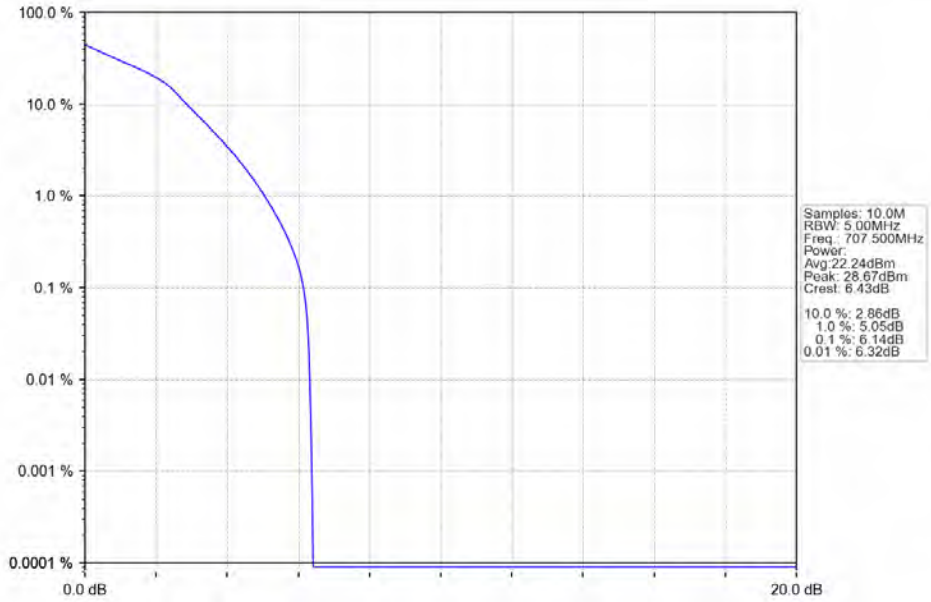
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



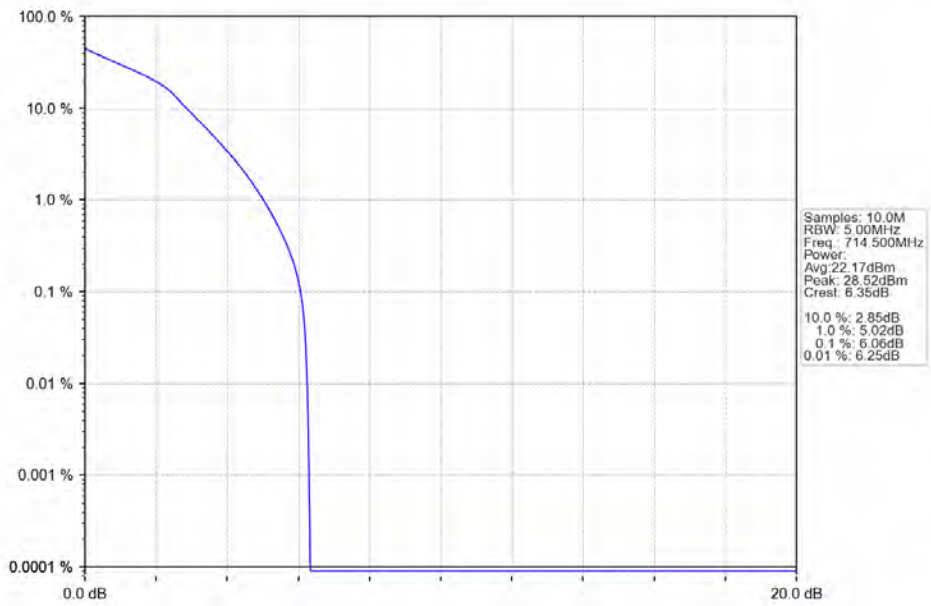

Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV



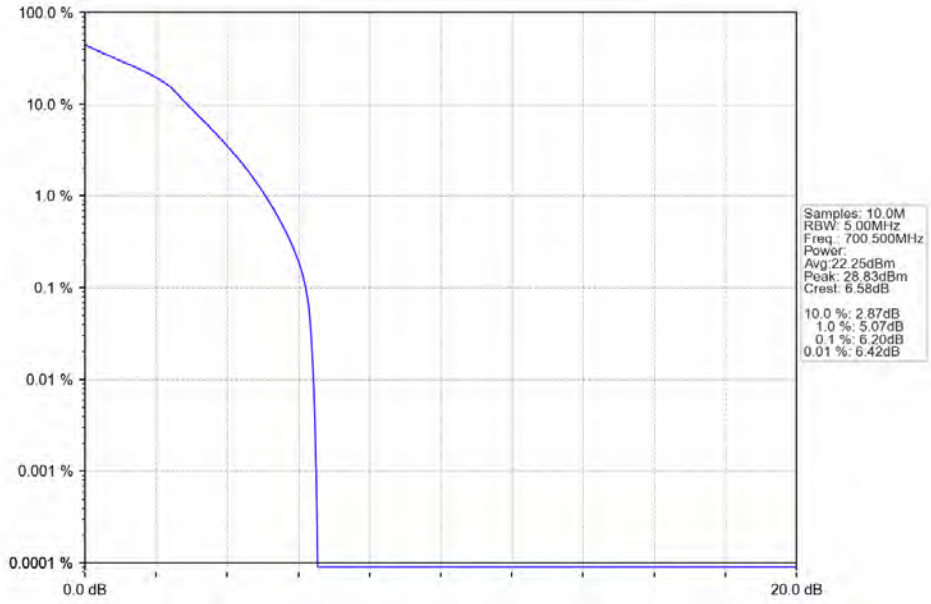
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



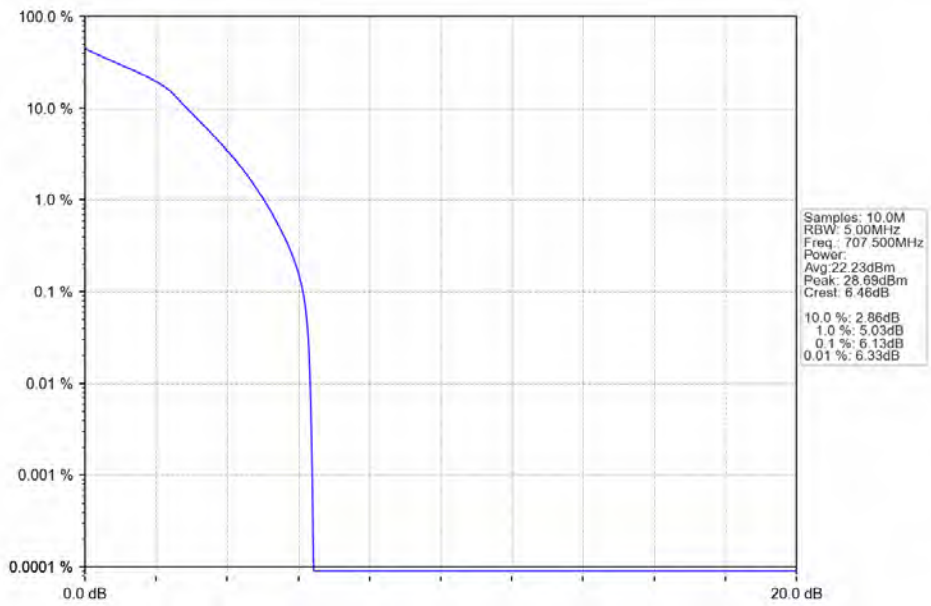

Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV



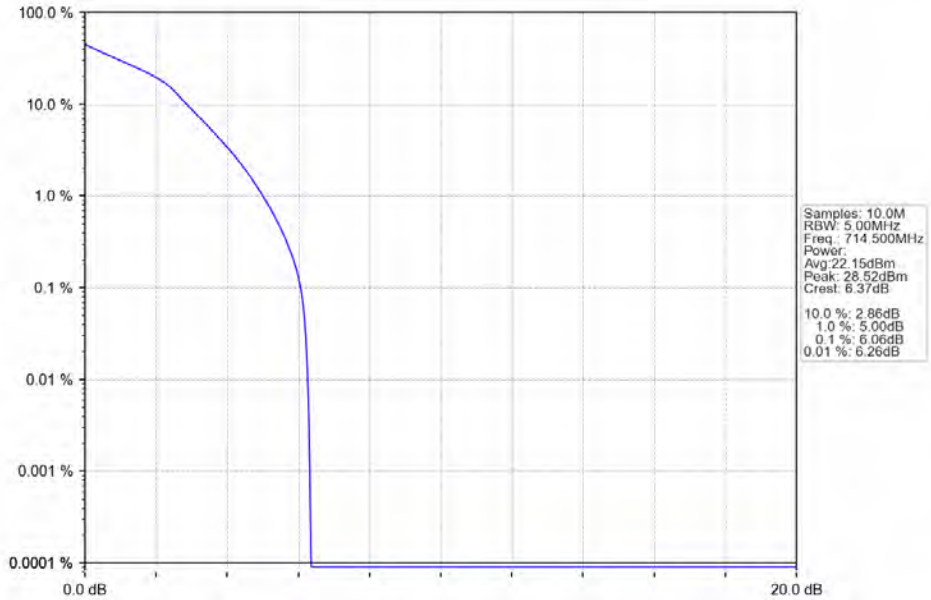
Band12_3MHz_64QAM_LCH_700.5MHz_RB_15_0_NTNV




Band12_3MHz_64QAM_MCH_707.5MHz_RB_15_0_NTNV

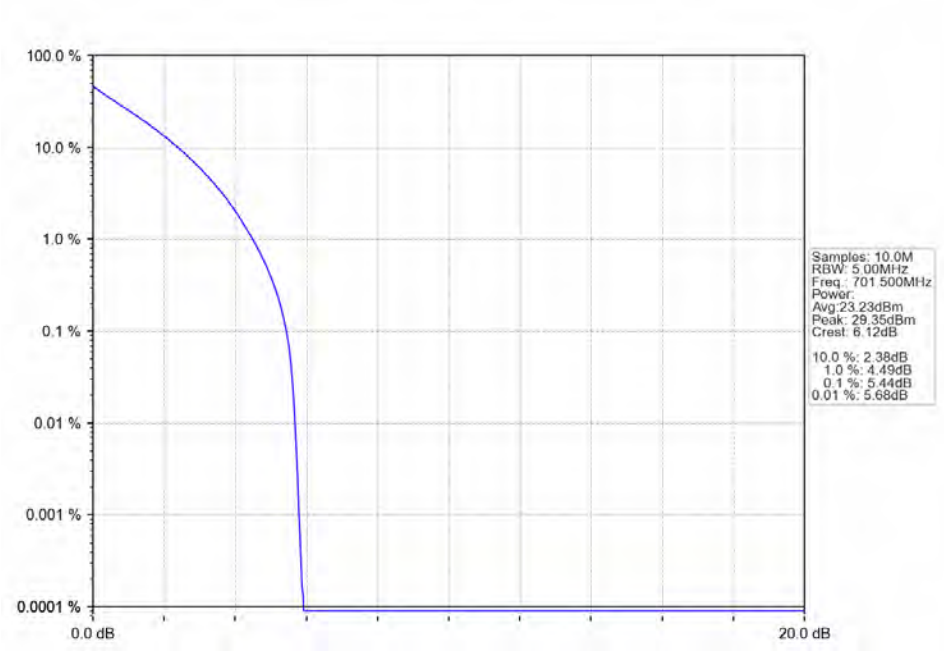


Band12_3MHz_64QAM_HCH_714.5MHz_RB_15_0_NTNV

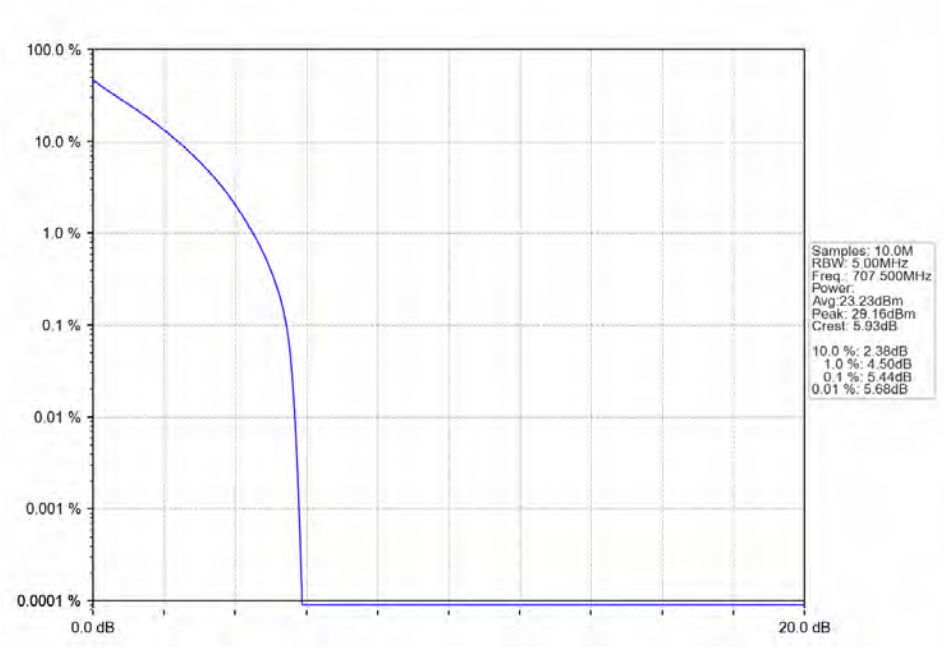


## 4.2.3 B12_5MHz

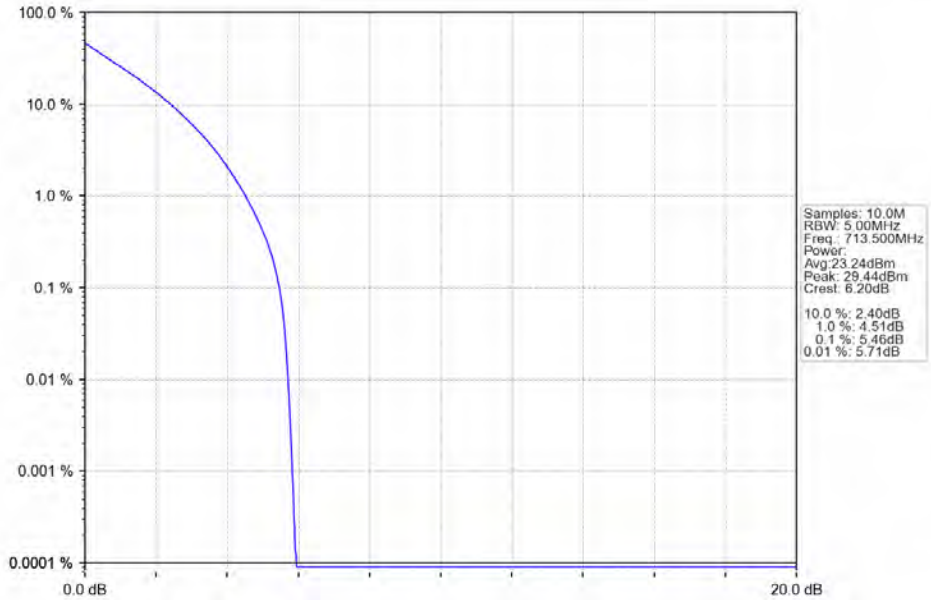
Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV



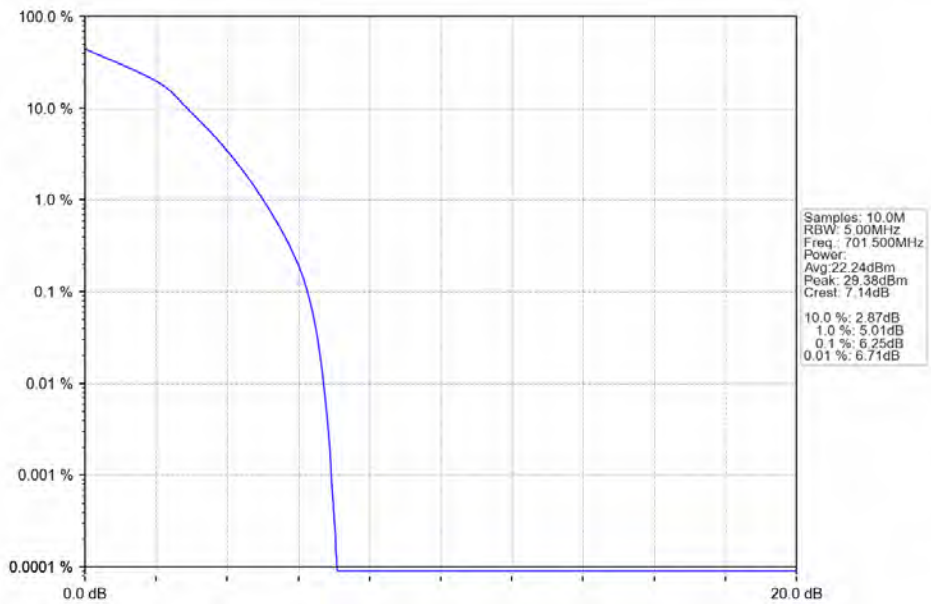

Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



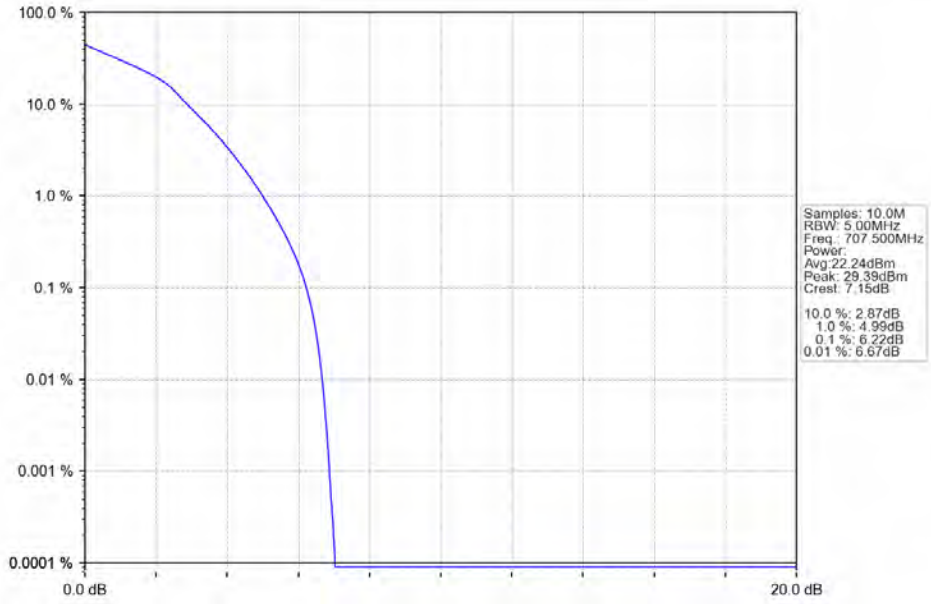
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



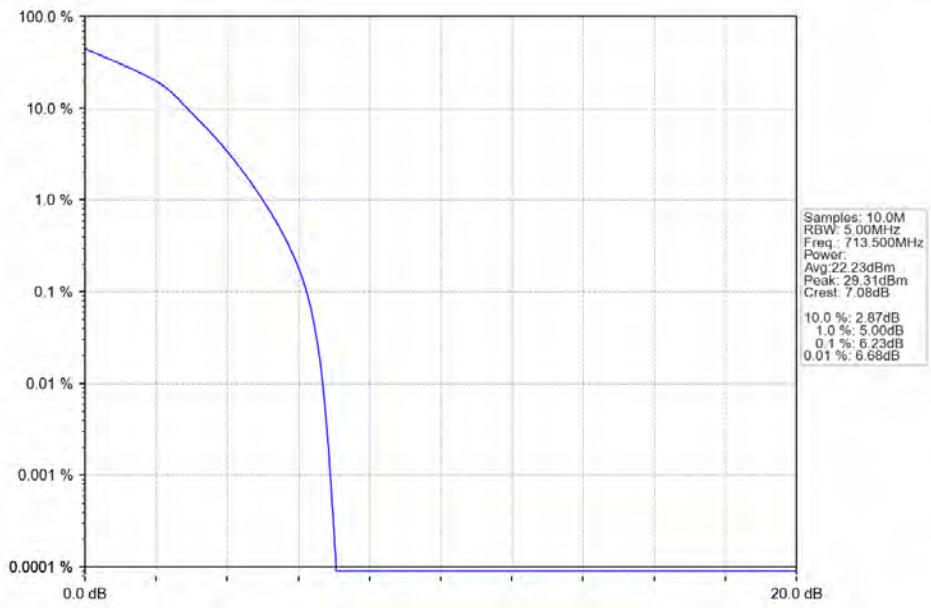

Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV



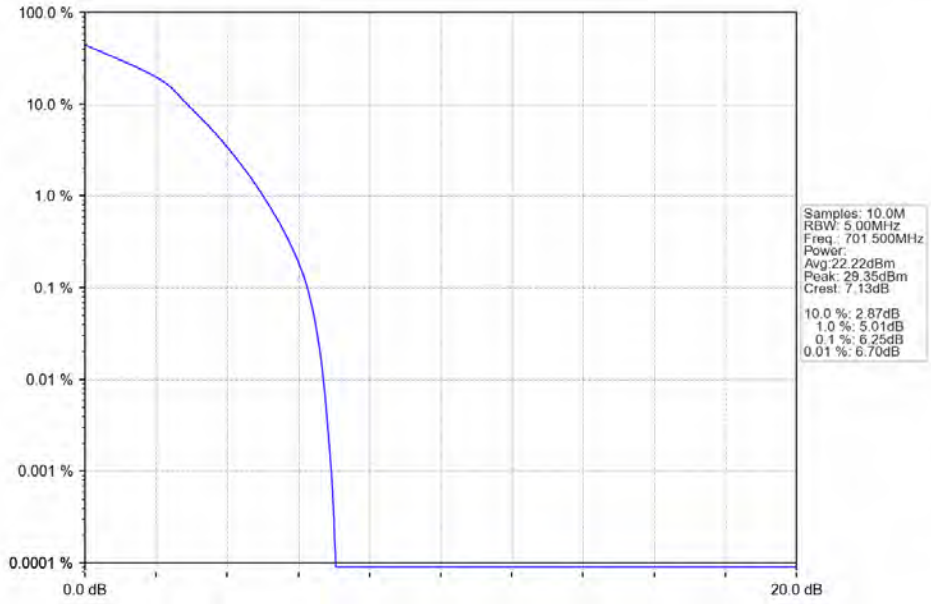
Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



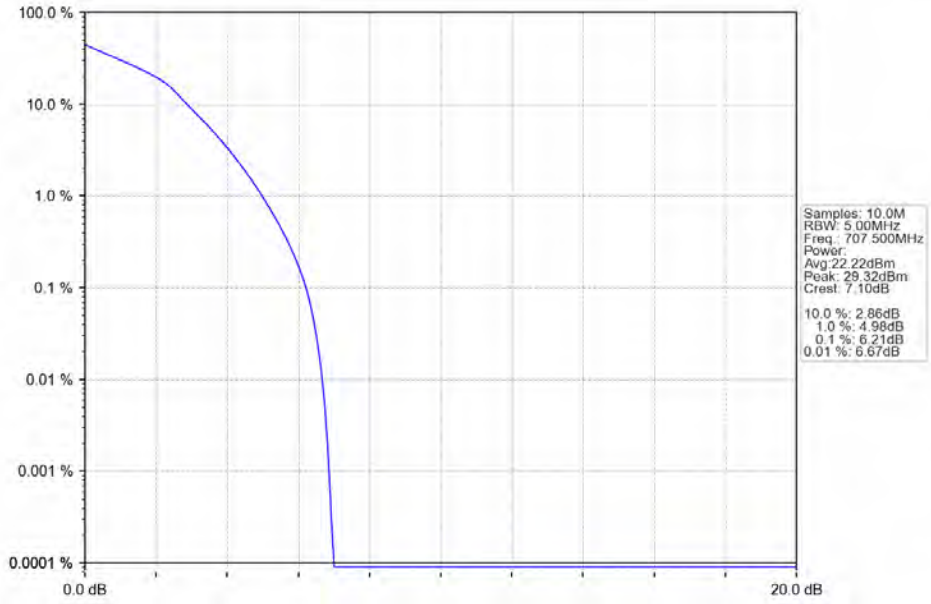

Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



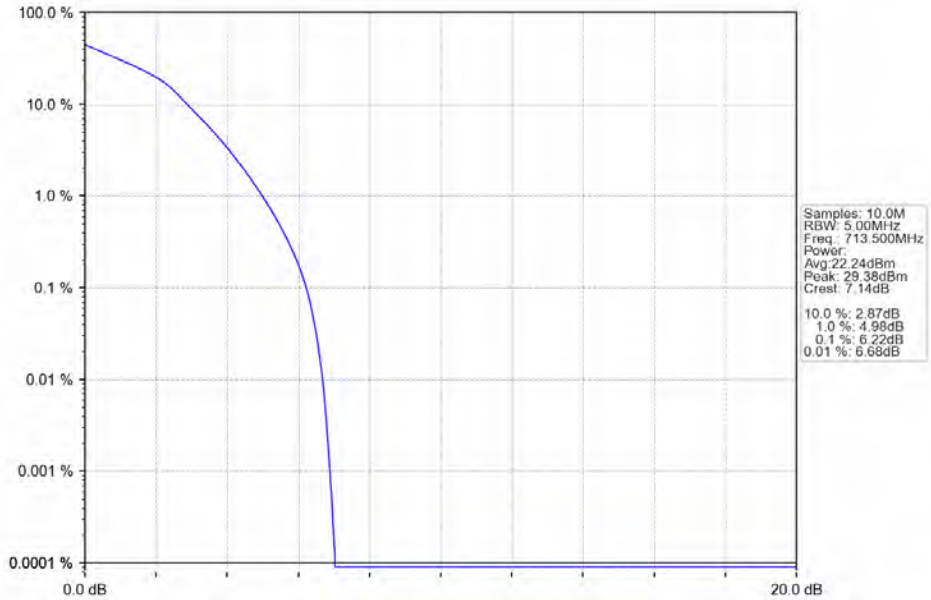
Band12_5MHz_64QAM_LCH_701.5MHz_RB_25_0_NTNV




Band12_5MHz_64QAM_MCH_707.5MHz_RB_25_0_NTNV

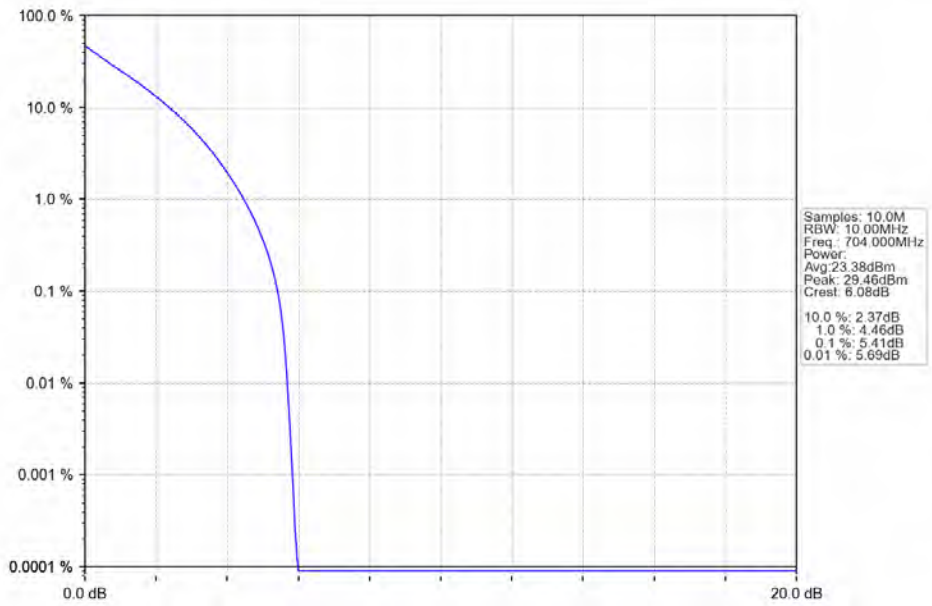


Band12_5MHz_64QAM_HCH_713.5MHz_RB_25_0_NTNV

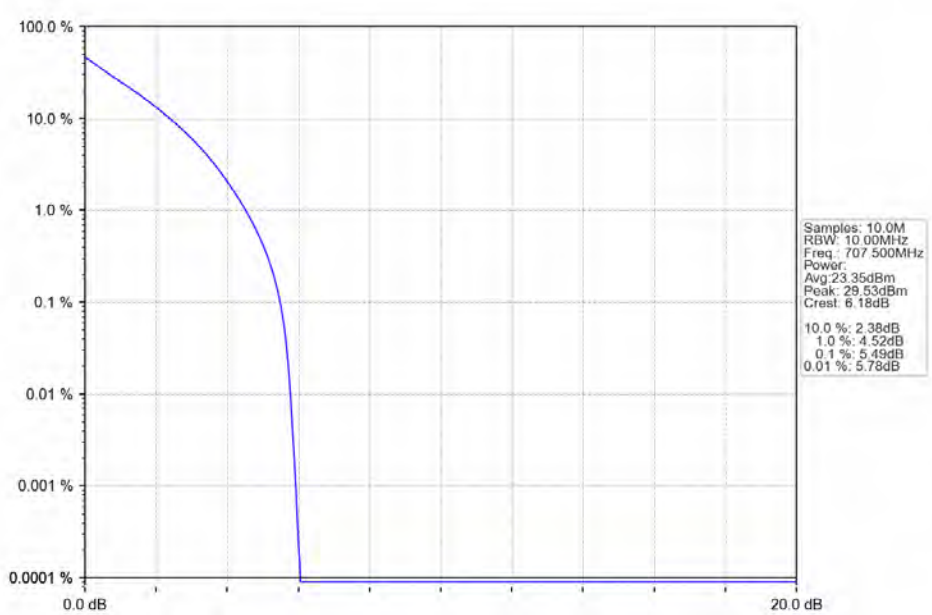


## 4.2.4 B12_10MHz

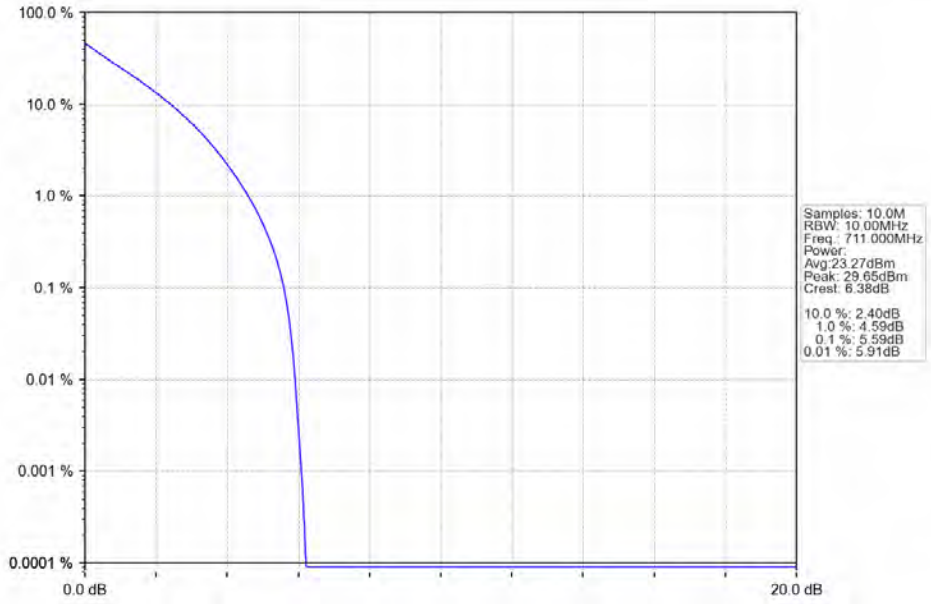
Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV



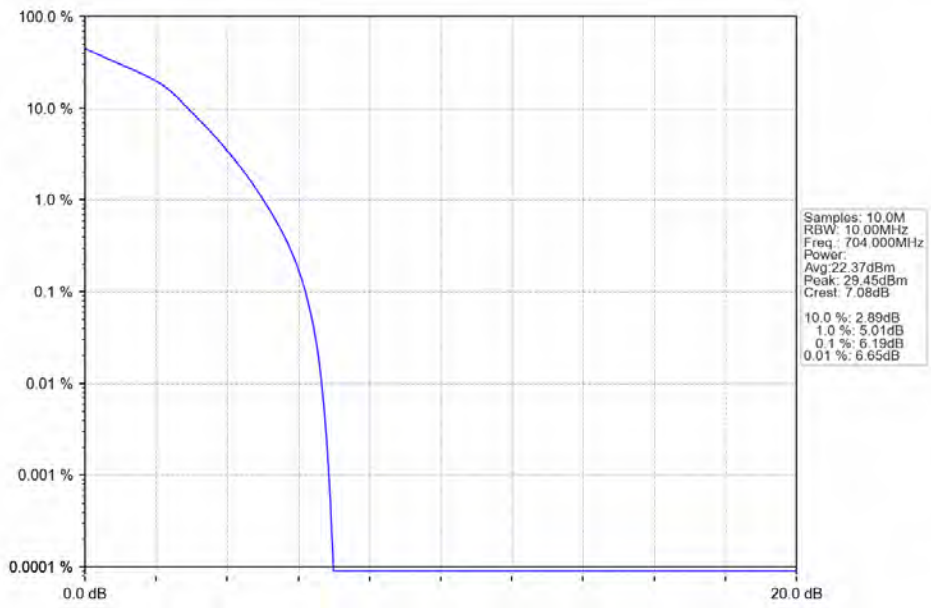

Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV



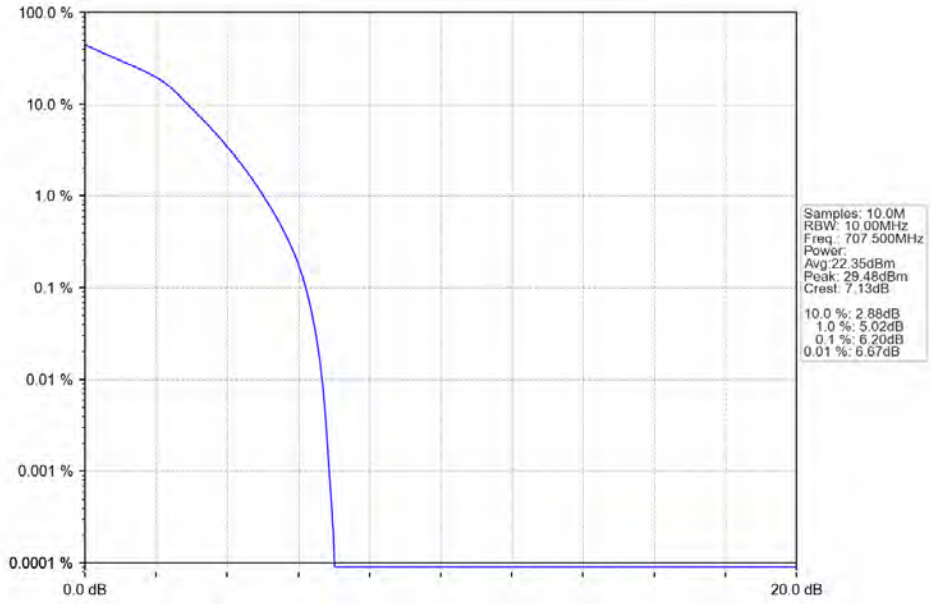
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



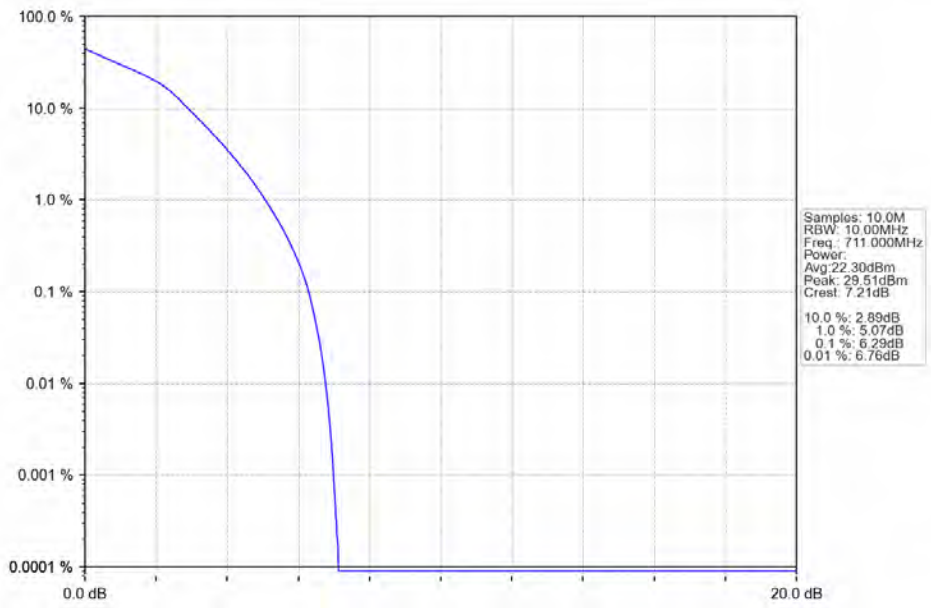

Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



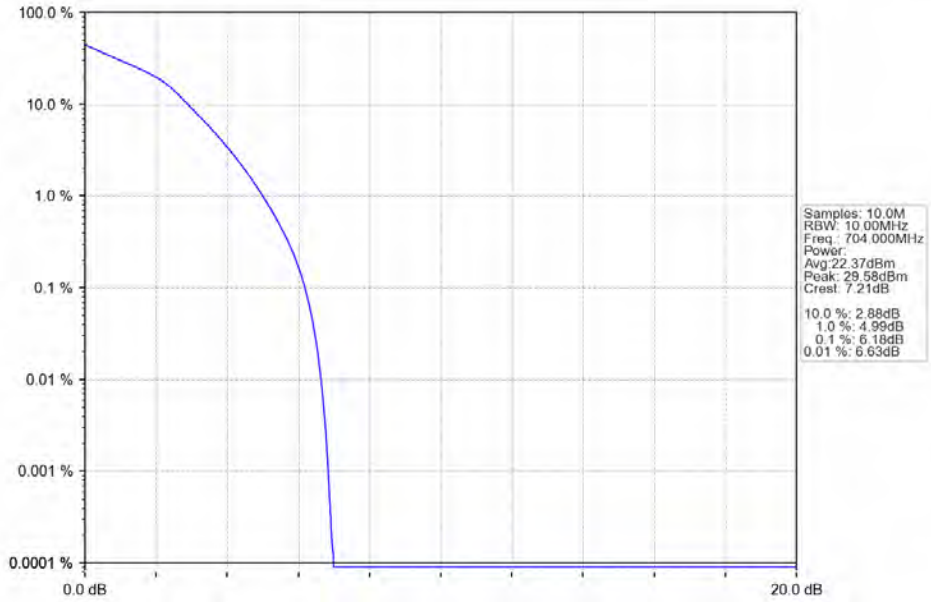
Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



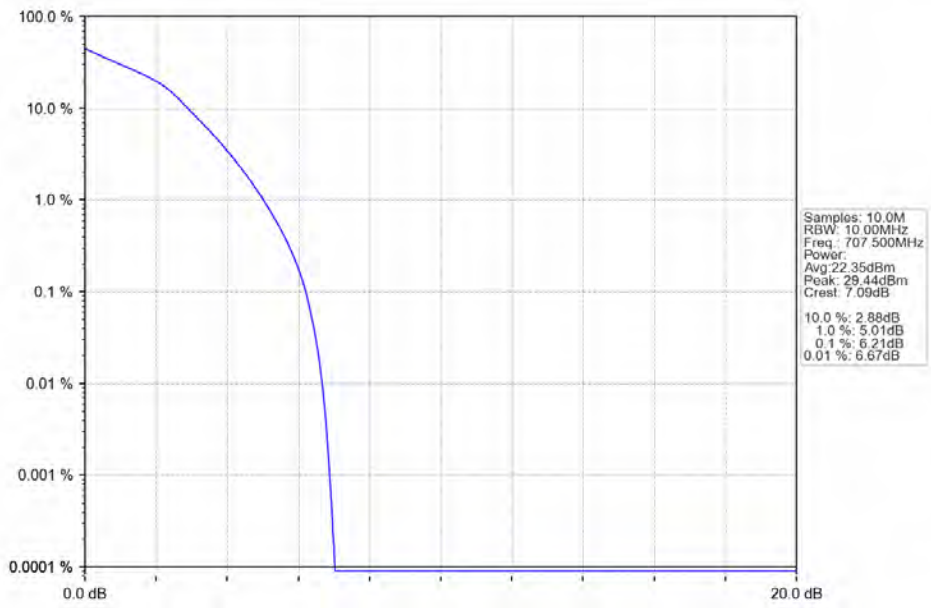

Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



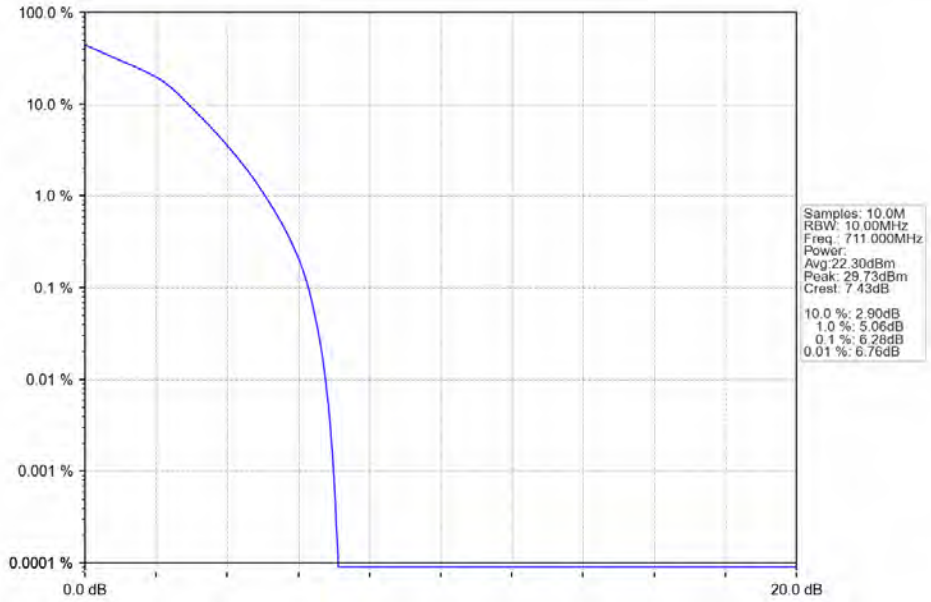
Band12_10MHz_64QAM_LCH_704MHz_RB_50_0_NTNV




Band12_10MHz_64QAM_MCH_707.5MHz_RB_50_0_NTNV



Band12_10MHz_64QAM_HCH_711MHz_RB_50_0_NTNV



# 5. Spurious Emission

## 5.1 Test Result

### 5.1.1 B12_1.4MHz

| Band: 12 / Bandwidth: 1.4MHz / NTNV | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Spurious Emission | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 699.7 | 1 | 0 | Refer To Test Graph | | Pass |
| | | 6 | 0 | Refer To Test Graph | | Pass |
| | 707.5 | 1 | 0 | Refer To Test Graph | | Pass |
| | 715.3 | 1 | 0 | Refer To Test Graph | | Pass |
| | | | 5 | Refer To Test Graph | | Pass |
| | | 6 | 0 | Refer To Test Graph | | Pass |
| 16QAM | 699.7 | 1 | 0 | Refer To Test Graph | | Pass |
| | | 6 | 0 | Refer To Test Graph | | Pass |
| | 707.5 | 1 | 0 | Refer To Test Graph | | Pass |
| | 715.3 | 1 | 0 | Refer To Test Graph | | Pass |
| | | | 5 | Refer To Test Graph | | Pass |
| | | 6 | 0 | Refer To Test Graph | | Pass |
| 64QAM | 699.7 | 1 | 0 | Refer To Test Graph | | Pass |
| | | 6 | 0 | Refer To Test Graph | | Pass |
| | 707.5 | 1 | 0 | Refer To Test Graph | | Pass |
| | 715.3 | 1 | 0 | Refer To Test Graph | | Pass |
| | | | 5 | Refer To Test Graph | | Pass |
| | | 6 | 0 | Refer To Test Graph | | Pass |

### 5.1.2 B12_3MHz

| Band: 12 / Bandwidth: 3MHz / NTNV | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Spurious Emission | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 700.5 | 1 | 0 | Refer To Test Graph | | Pass |
| | | 15 | 0 | Refer To Test Graph | | Pass |
| | 707.5 | 1 | 0 | Refer To Test Graph | | Pass |
| | 714.5 | 1 | 0 | Refer To Test Graph | | Pass |
| | | | 14 | Refer To Test Graph | | Pass |
| | | 15 | 0 | Refer To Test Graph | | Pass |
| 16QAM | 700.5 | 1 | 0 | Refer To Test Graph | | Pass |
| | | 15 | 0 | Refer To Test Graph | | Pass |
| | 707.5 | 1 | 0 | Refer To Test Graph | | Pass |
| | 714.5 | 1 | 0 | Refer To Test Graph | | Pass |
| | | | 14 | Refer To Test Graph | | Pass |
| | | 15 | 0 | Refer To Test Graph | | Pass |
| 64QAM | 700.5 | 1 | 0 | Refer To Test Graph | | Pass |
| | | 15 | 0 | Refer To Test Graph | | Pass |
| | 707.5 | 1 | 0 | Refer To Test Graph | | Pass |
| | 714.5 | 1 | 0 | Refer To Test Graph | | Pass |
| | | | 14 | Refer To Test Graph | | Pass |
| | | 15 | 0 | Refer To Test Graph | | Pass |

### 5.1.3 B12_5MHz

| Band: 12 / Bandwidth: 5MHz / NTNV | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Spurious Emission | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 701.5 | 1 | 0 | Refer To Test Graph | | Pass |
| | | 25 | 0 | Refer To Test Graph | | Pass |
| | 707.5 | 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 | 701.5 | 1 | 0 | Refer To Test Graph | | Pass |
| | | 25 | 0 | Refer To Test Graph | | Pass |
| | 707.5 | 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 | 701.5 | 1 | 0 | Refer To Test Graph | | Pass |
| | | 25 | 0 | Refer To Test Graph | | Pass |
| | 707.5 | 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 |

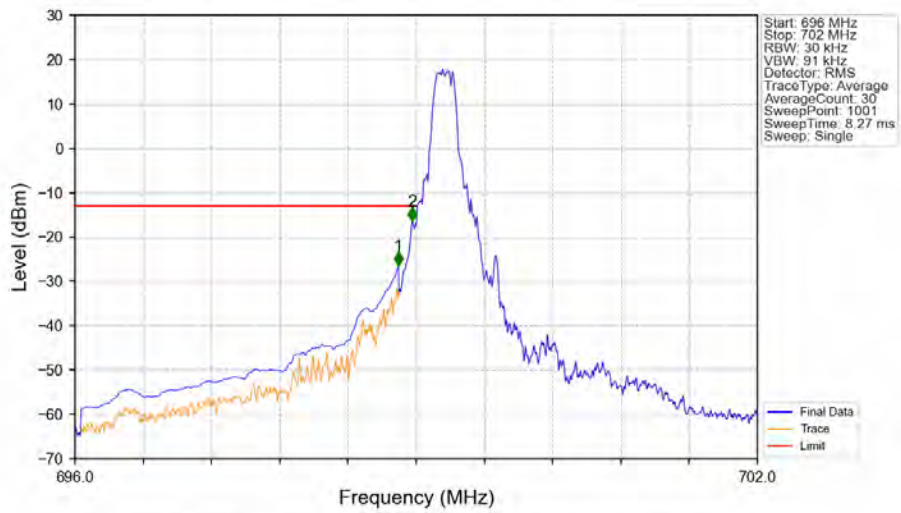
## 5.1.4 B12_10MHz

| Band: 12 / Bandwidth: 10MHz / NTNV | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Spurious Emission | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 704 | 1 | 0 | Refer To Test Graph | | Pass |
| | | 50 | 0 | Refer To Test Graph | | Pass |
| | 707.5 | 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 | 704 | 1 | 0 | Refer To Test Graph | | Pass |
| | | 50 | 0 | Refer To Test Graph | | Pass |
| | 707.5 | 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 | 704 | 1 | 0 | Refer To Test Graph | | Pass |
| | | 50 | 0 | Refer To Test Graph | | Pass |
| | 707.5 | 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 |

## 5.2 Test Graph

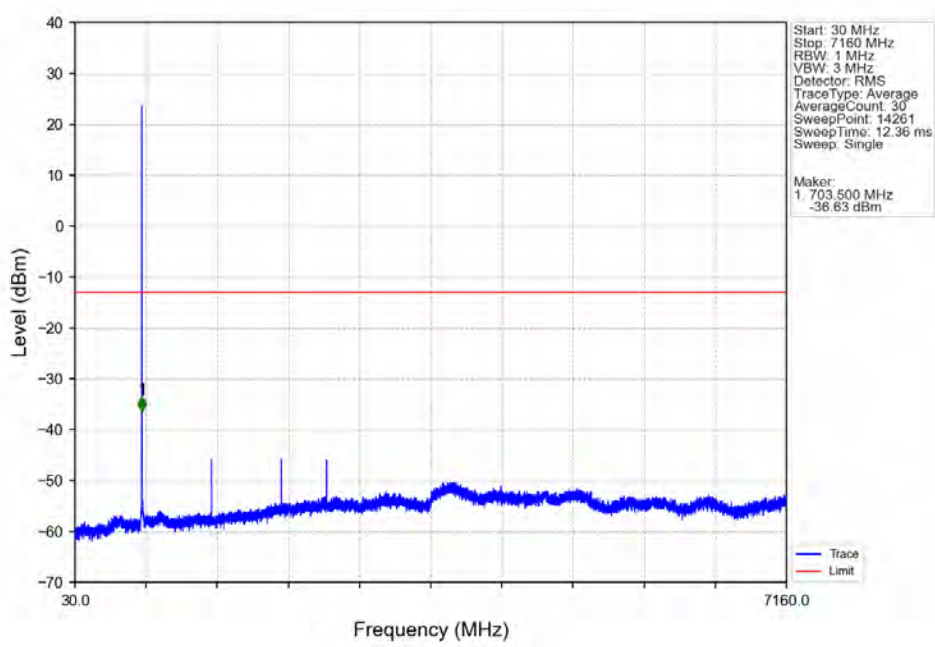
### 5.2.1 B12_1.4MHz

Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_1_0_NTNV

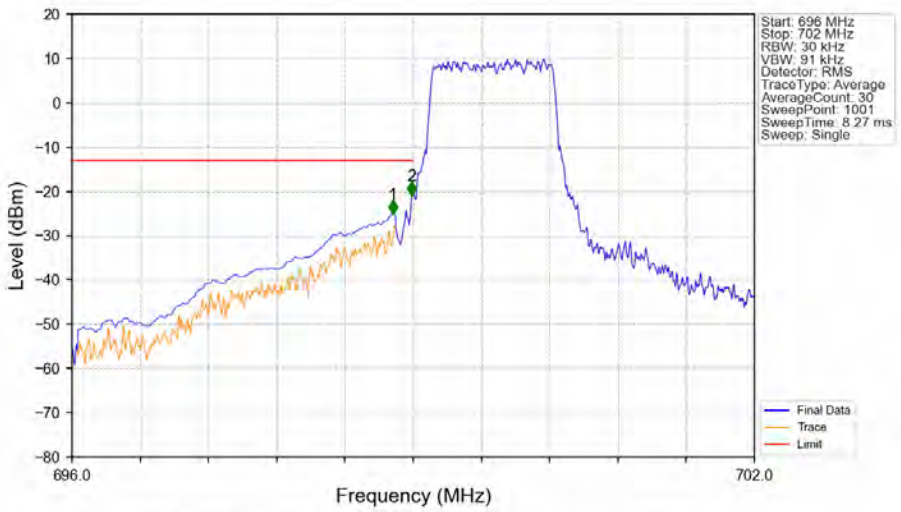



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 696 | 698.9 | 0.1 | CHP | 1 | 698.844 | -26.41 | -13 | Pass |
| 698.9 | 699 | 0.03 | / | 2 | 698.964 | -16.46 | -13 | Pass |
| 699 | 702 | 0.03 | / | / | / | / | / | / |

Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_1_0_NTNV

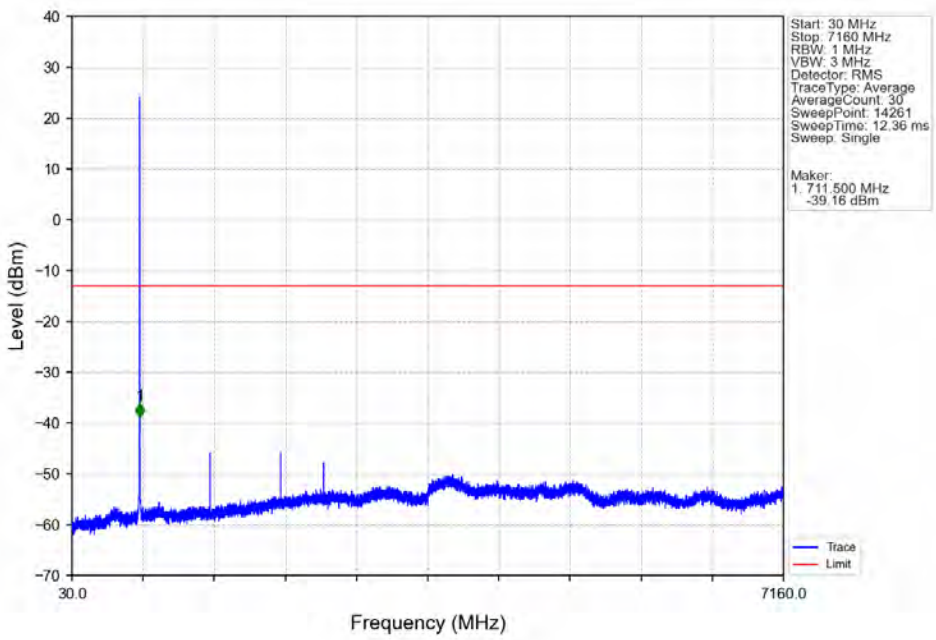


Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_6_0_NTNV

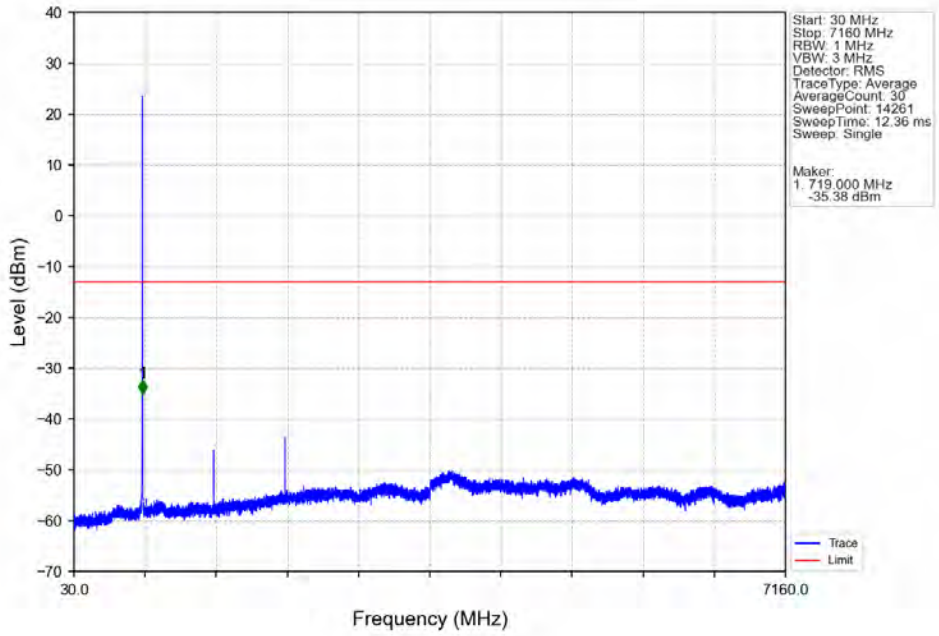



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 696 | 698.9 | 0.1 | CHP | 1 | 698.820 | -25.09 | -13 | Pass |
| 698.9 | 699 | 0.03 | / | 2 | 698.988 | -20.89 | -13 | Pass |
| 699 | 702 | 0.03 | / | / | / | / | / | / |

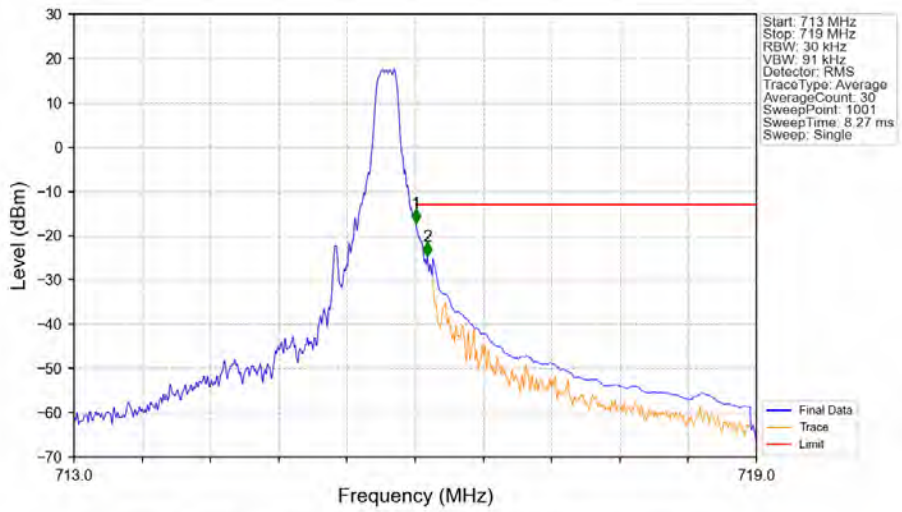
Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_1_0_NTNV

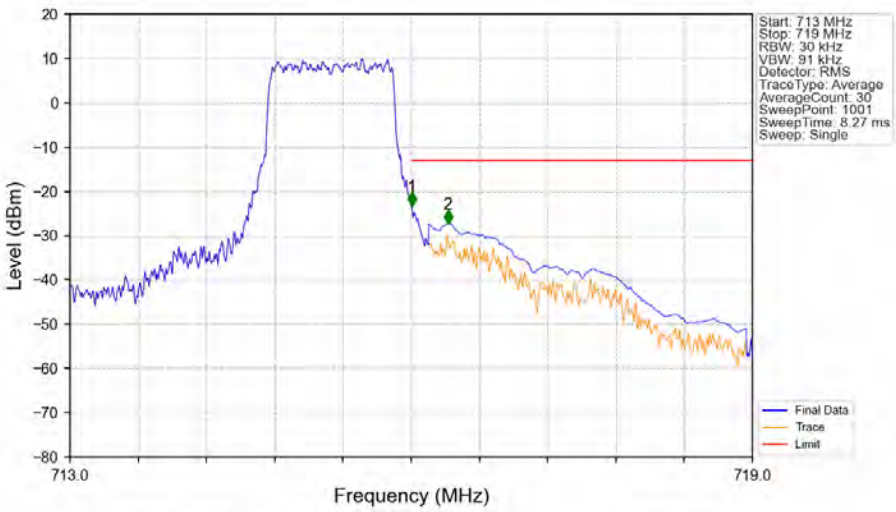



Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_1_5_NTNV



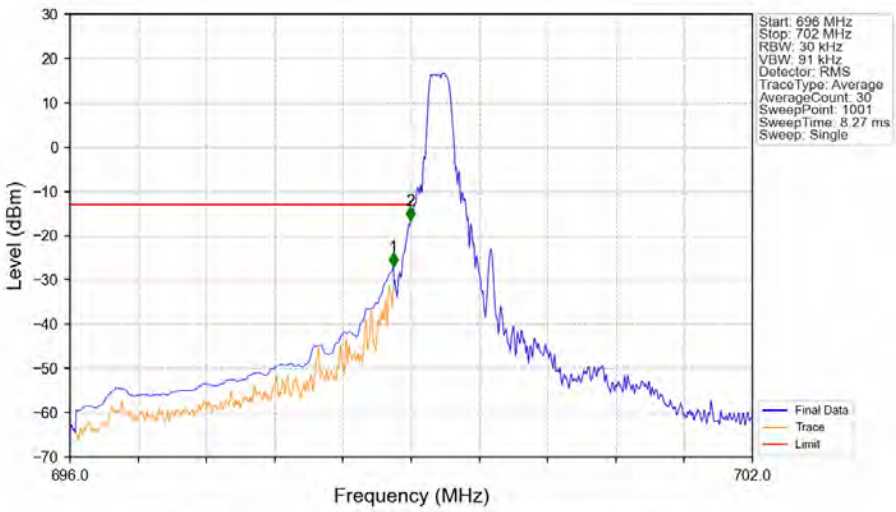

| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 713 | 716 | 0.03 | / | / | / | / | / | / |
| 716 | 716.1 | 0.03 | / | 1 | 716.006 | -17.12 | -13 | Pass |
| 716.1 | 719 | 0.1 | CHP | 2 | 716.108 | -24.61 | -13 | Pass |

Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



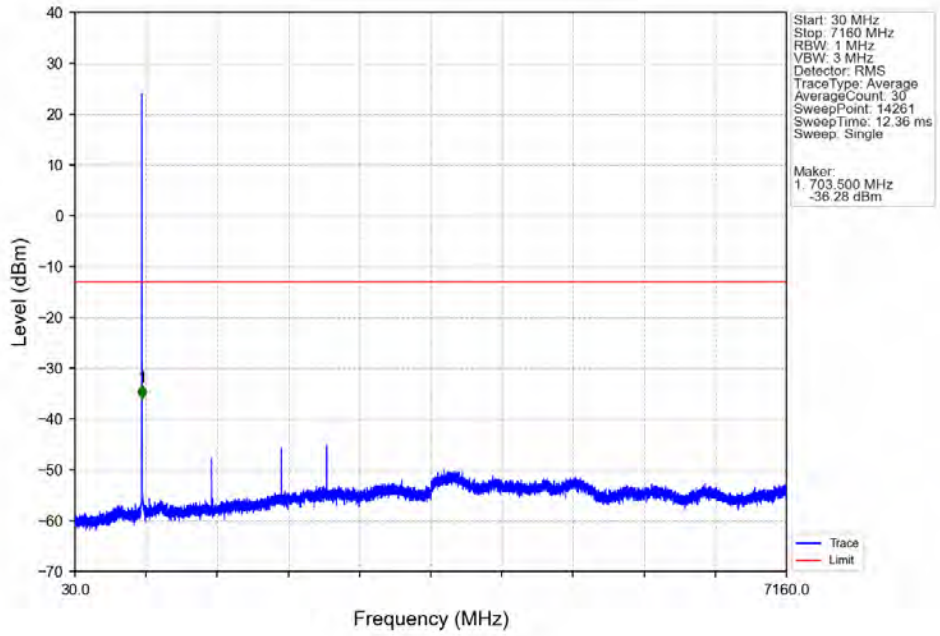

| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 713 | 716 | 0.03 | / | / | / | / | / | / |
| 716 | 716.1 | 0.03 | / | 1 | 716.006 | -23.33 | -13 | Pass |
| 716.1 | 719 | 0.1 | CHP | 2 | 716.324 | -27.25 | -13 | Pass |

Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_1_0_NTNV

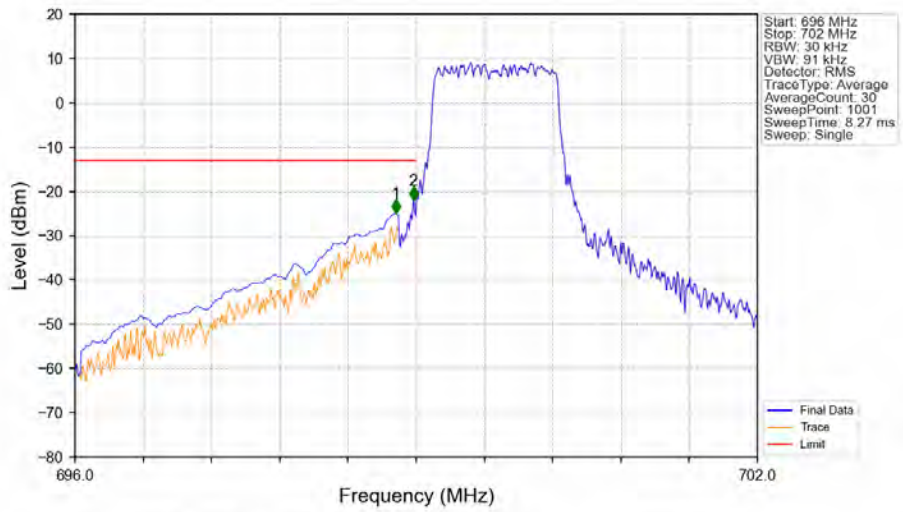



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 696 | 698.9 | 0.1 | CHP | 1 | 698.844 | -26.95 | -13 | Pass |
| 698.9 | 699 | 0.03 | / | 2 | 698.994 | -16.66 | -13 | Pass |
| 699 | 702 | 0.03 | / | / | / | / | / | / |

Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_1_0_NTNV

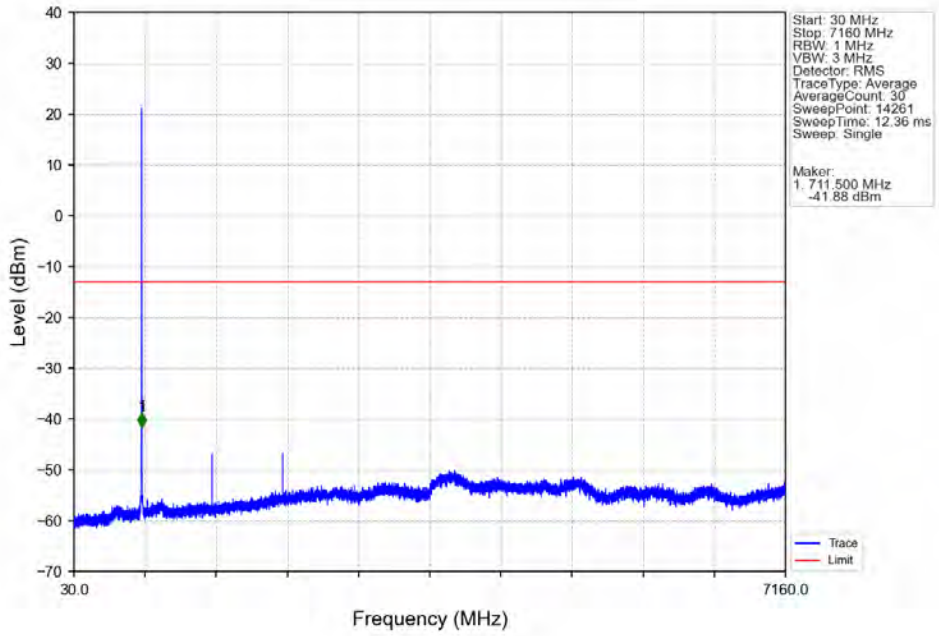



Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV

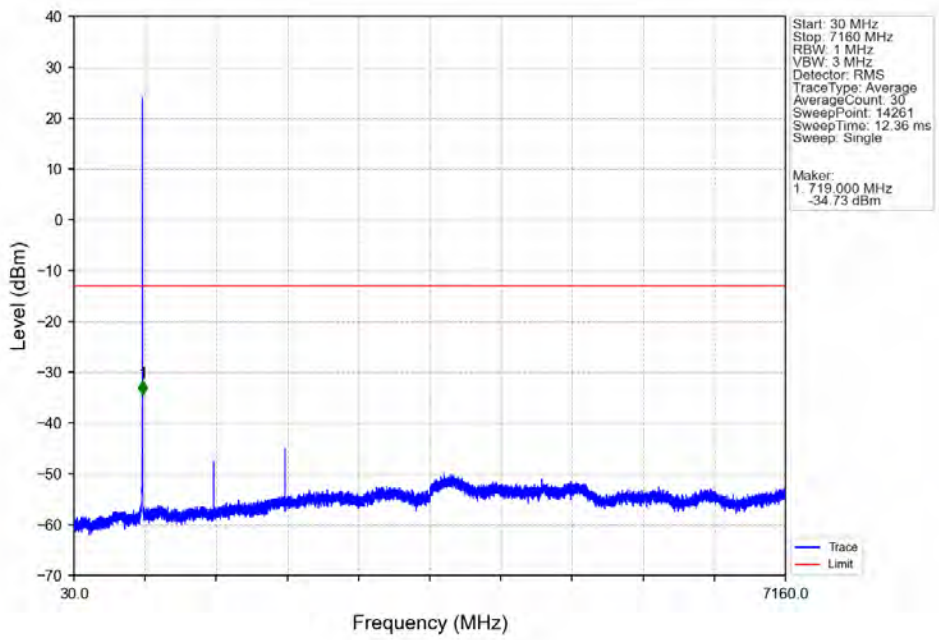



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 696 | 698.9 | 0.1 | CHP | 1 | 698.820 | -24.93 | -13 | Pass |
| 698.9 | 699 | 0.03 | / | 2 | 698.976 | -22.05 | -13 | Pass |
| 699 | 702 | 0.03 | / | / | / | / | / | / |

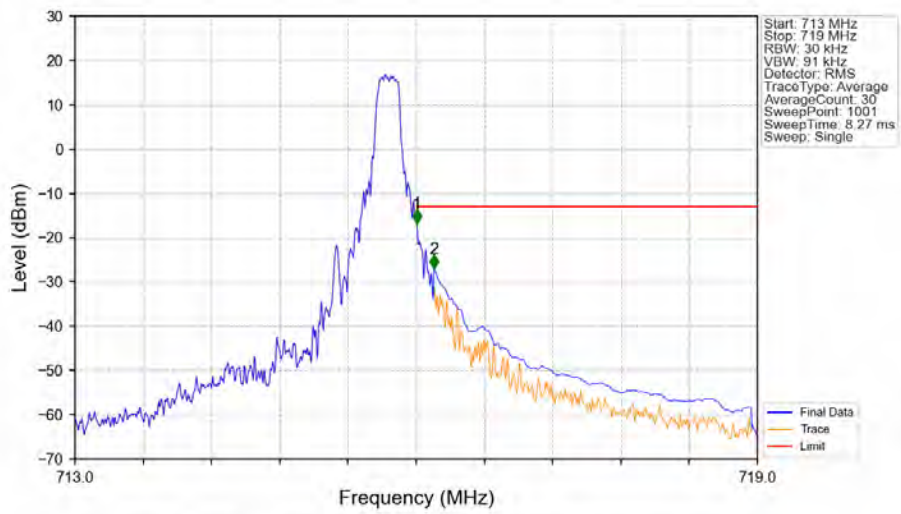
Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_1_0_NTNV




Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_1_0_NTNV

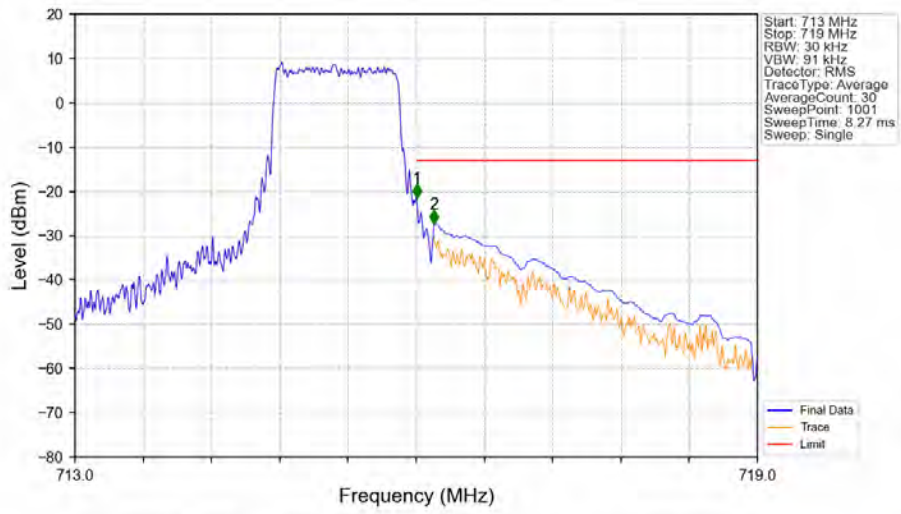


Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_1_5_NTNV



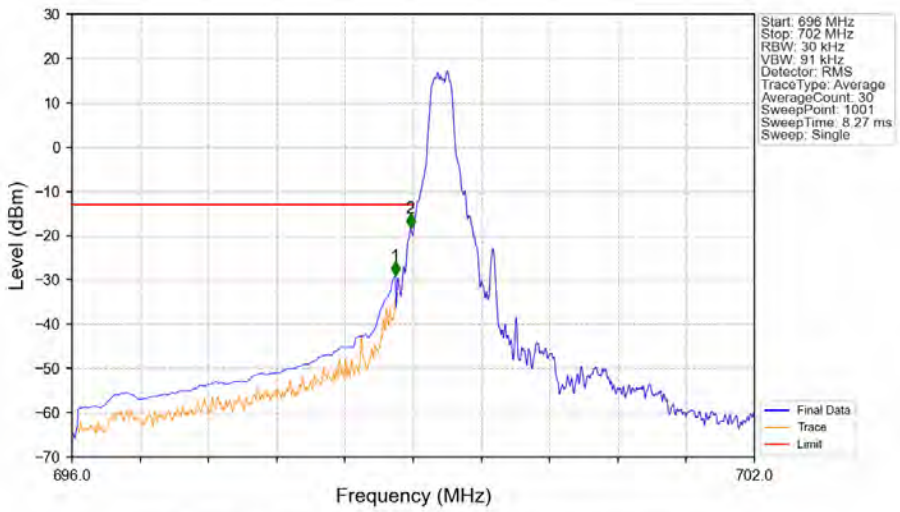

| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 713 | 716 | 0.03 | / | / | / | / | / | / |
| 716 | 716.1 | 0.03 | / | 1 | 716.006 | -16.69 | -13 | Pass |
| 716.1 | 719 | 0.1 | CHP | 2 | 716.156 | -26.90 | -13 | Pass |

Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_6_0_NTNV



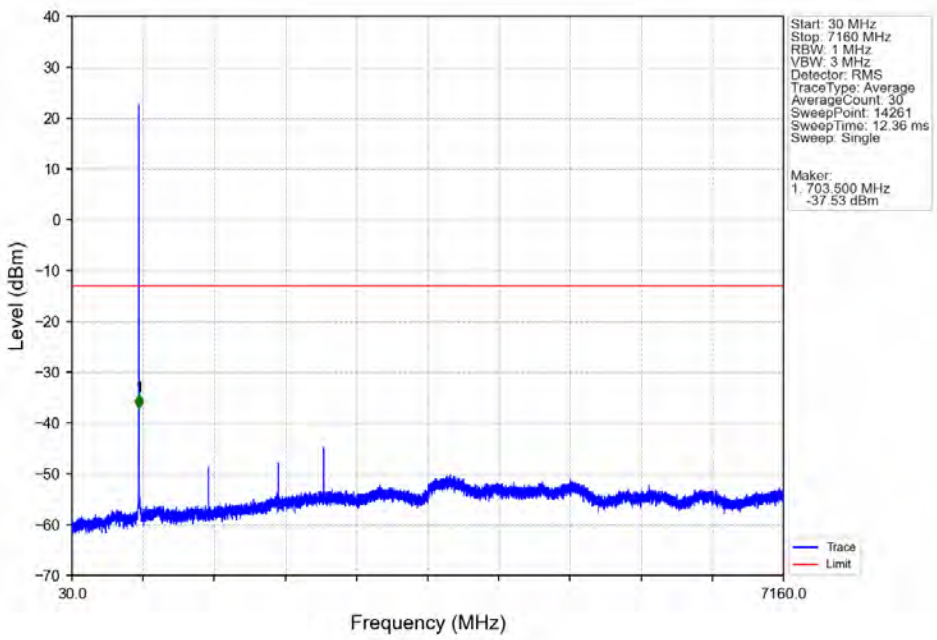

| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 713 | 716 | 0.03 | / | / | / | / | / | / |
| 716 | 716.1 | 0.03 | / | 1 | 716.006 | -21.40 | -13 | Pass |
| 716.1 | 719 | 0.1 | CHP | 2 | 716.156 | -27.33 | -13 | Pass |

Band12_1.4MHz_64QAM_LCH_699.7MHz_RB_1_0_NTNV

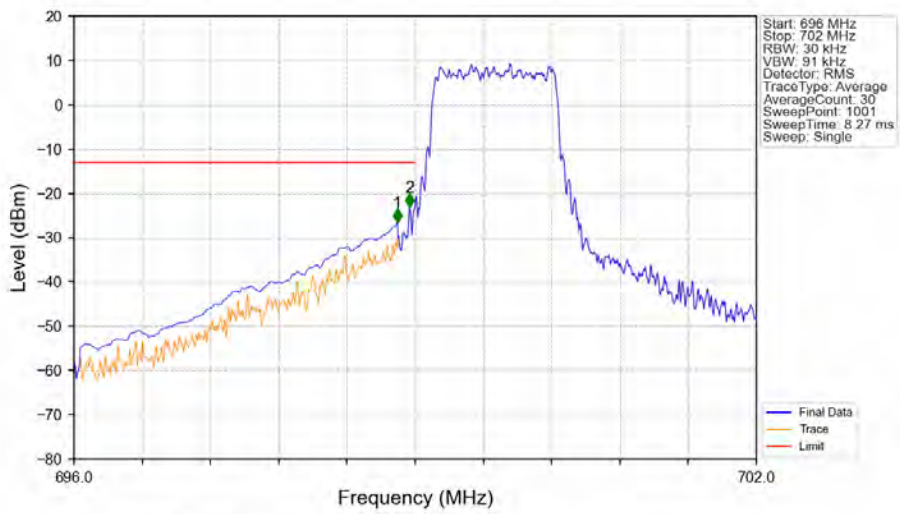



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 696 | 698.9 | 0.1 | CHP | 1 | 698.844 | -28.98 | -13 | Pass |
| 698.9 | 699 | 0.03 | / | 2 | 698.976 | -18.21 | -13 | Pass |
| 699 | 702 | 0.03 | / | / | / | / | / | / |

Band12_1.4MHz_64QAM_LCH_699.7MHz_RB_1_0_NTNV

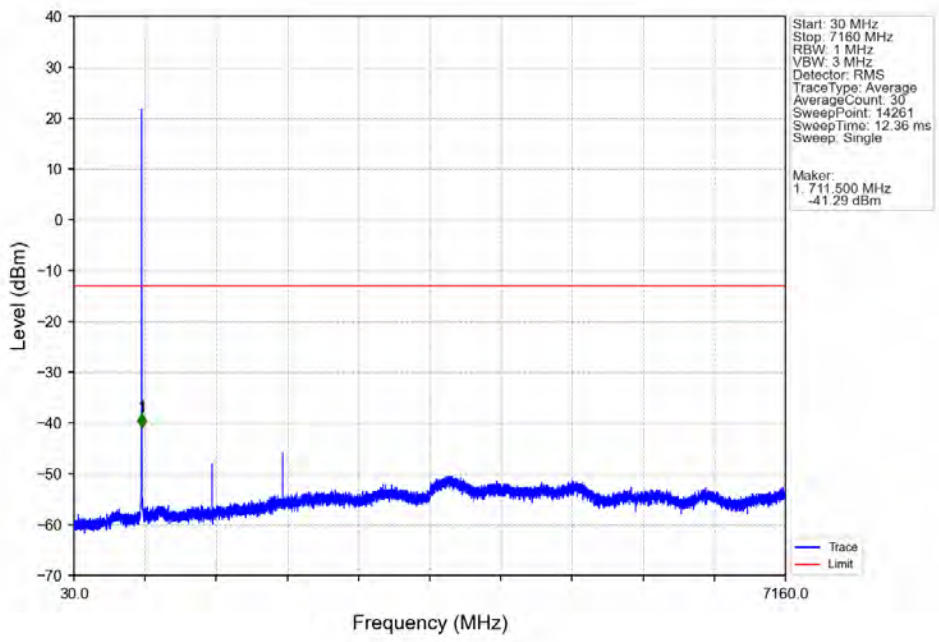


Band12_1.4MHz_64QAM_LCH_699.7MHz_RB_6_0_NTNV

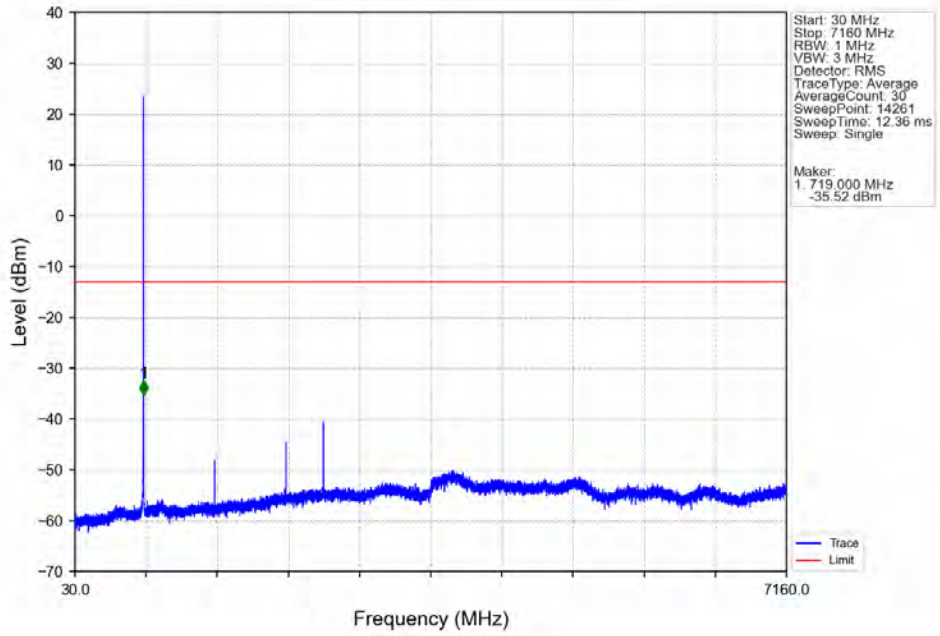



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 696 | 698.9 | 0.1 | CHP | 1 | 698.844 | -26.52 | -13 | Pass |
| 698.9 | 699 | 0.03 | / | 2 | 698.952 | -23.18 | -13 | Pass |
| 699 | 702 | 0.03 | / | / | / | / | / | / |

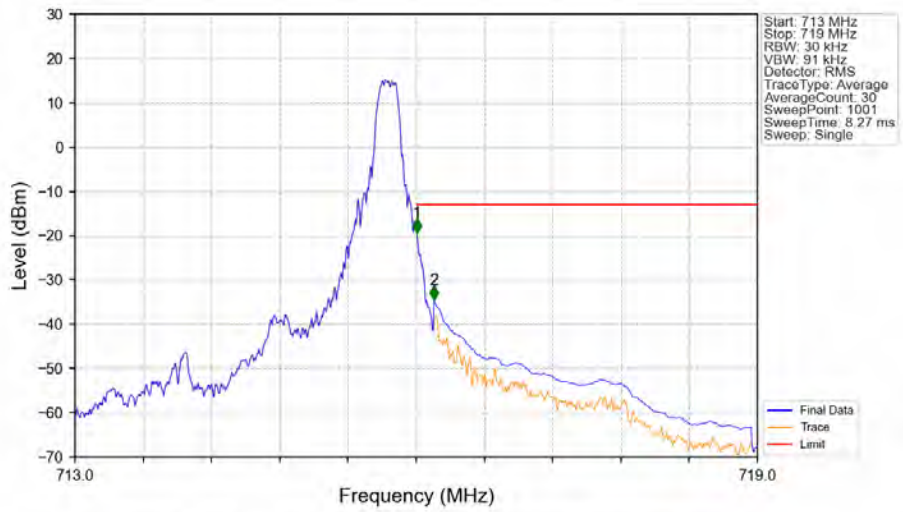
Band12_1.4MHz_64QAM_MCH_707.5MHz_RB_1_0_NTNV



Band12_1.4MHz_64QAM_HCH_715.3MHz_RB_1_0_NTNV

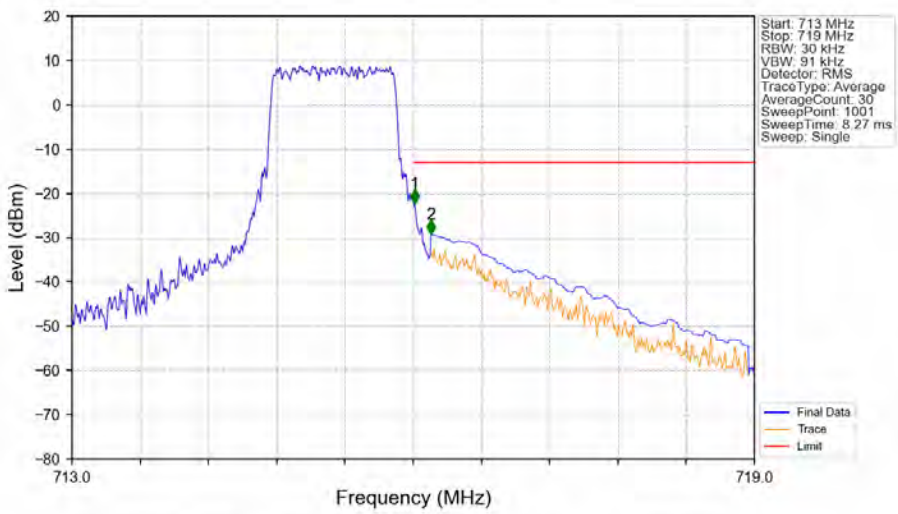



Band12_1.4MHz_64QAM_HCH_715.3MHz_RB_1_5_NTNV




| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 713 | 716 | 0.03 | / | / | / | / | / | / |
| 716 | 716.1 | 0.03 | / | 1 | 716.006 | -19.33 | -13 | Pass |
| 716.1 | 719 | 0.1 | CHP | 2 | 716.156 | -34.37 | -13 | Pass |

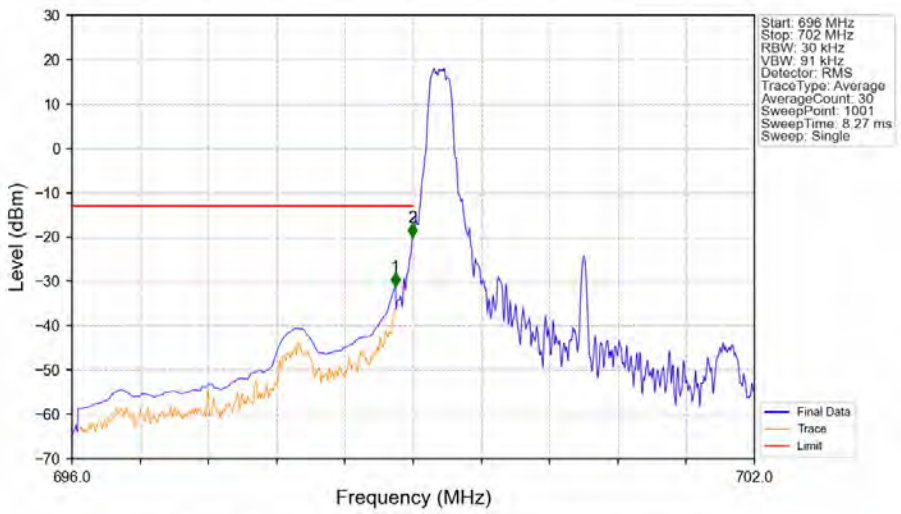
Band12_1.4MHz_64QAM_HCH_715.3MHz_RB_6_0_NTNV




| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 713 | 716 | 0.03 | / | / | / | / | / | / |
| 716 | 716.1 | 0.03 | / | 1 | 716.012 | -22.26 | -13 | Pass |
| 716.1 | 719 | 0.1 | CHP | 2 | 716.156 | -29.12 | -13 | Pass |

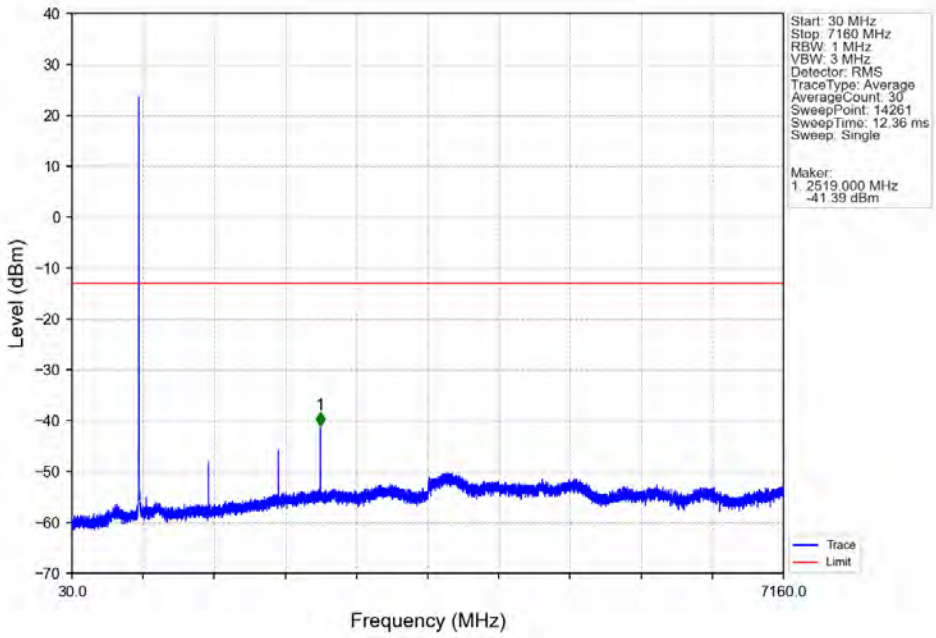
## 5.2.2 B12_3MHz

Band12_3MHz_QPSK_LCH_700.5MHz_RB_1_0_NTNV

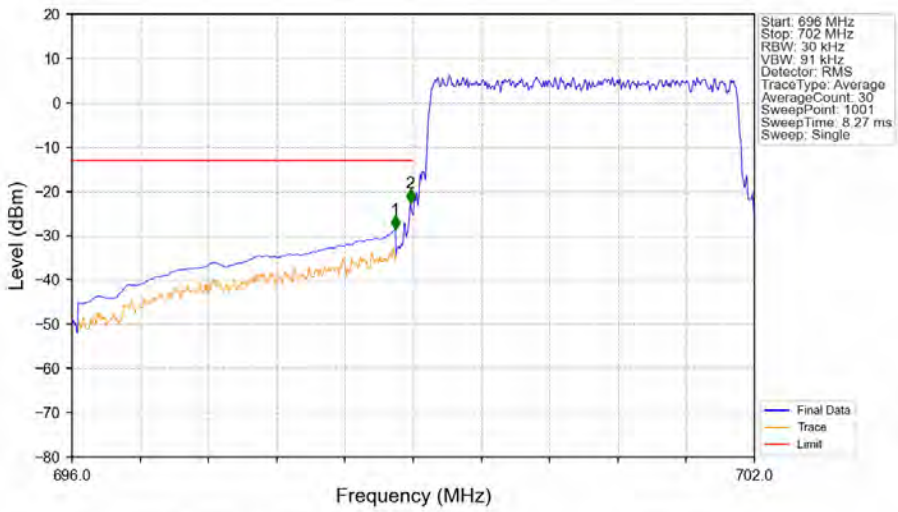



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 696 | 698.9 | 0.1 | CHP | 1 | 698.844 | -31.09 | -13 | Pass |
| 698.9 | 699 | 0.03 | / | 2 | 698.994 | -20.04 | -13 | Pass |
| 699 | 702 | 0.03 | / | / | / | / | / | / |

Band12_3MHz_QPSK_LCH_700.5MHz_RB_1_0_NTNV

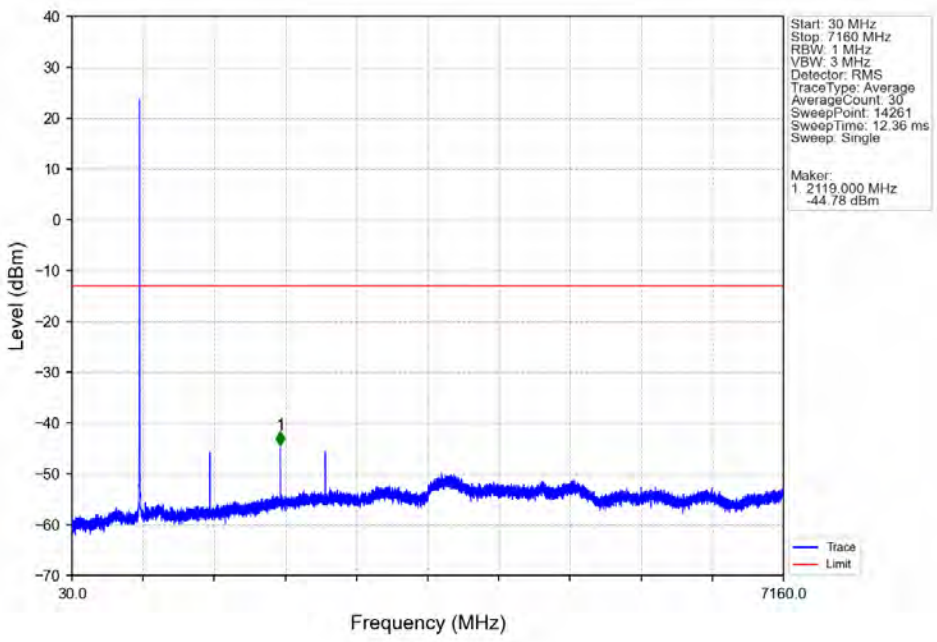


Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV

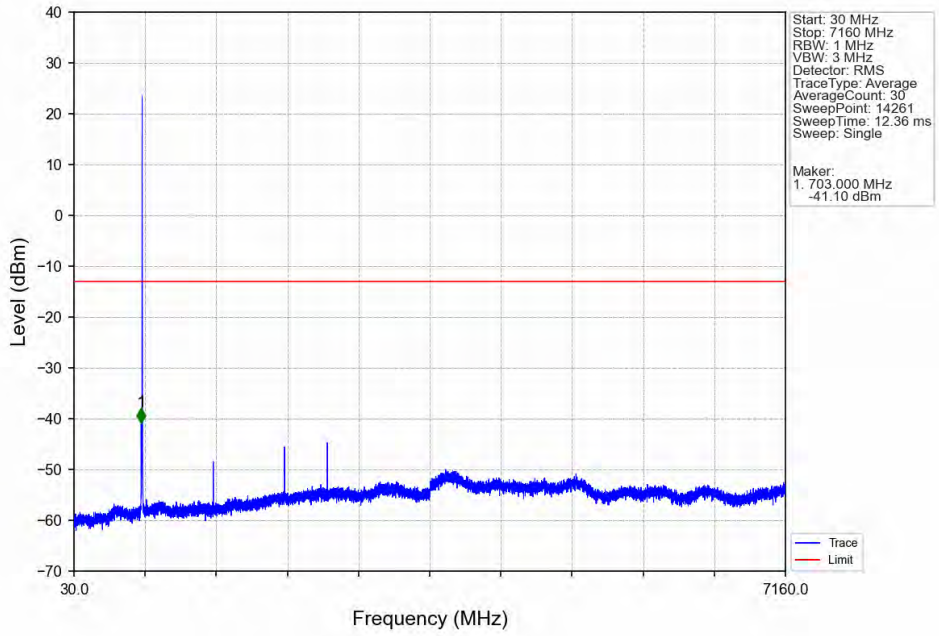



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 696 | 698.9 | 0.1 | CHP | 1 | 698.844 | -28.54 | -13 | Pass |
| 698.9 | 699 | 0.03 | / | 2 | 698.976 | -22.53 | -13 | Pass |
| 699 | 702 | 0.03 | / | / | / | / | / | / |

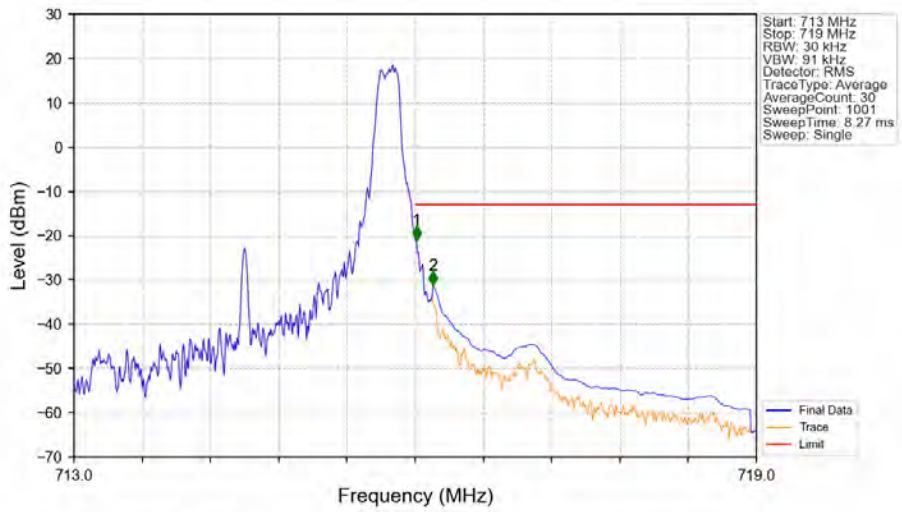
Band12_3MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12_3MHz_QPSK_HCH_714.5MHz_RB_1_0_NTNV

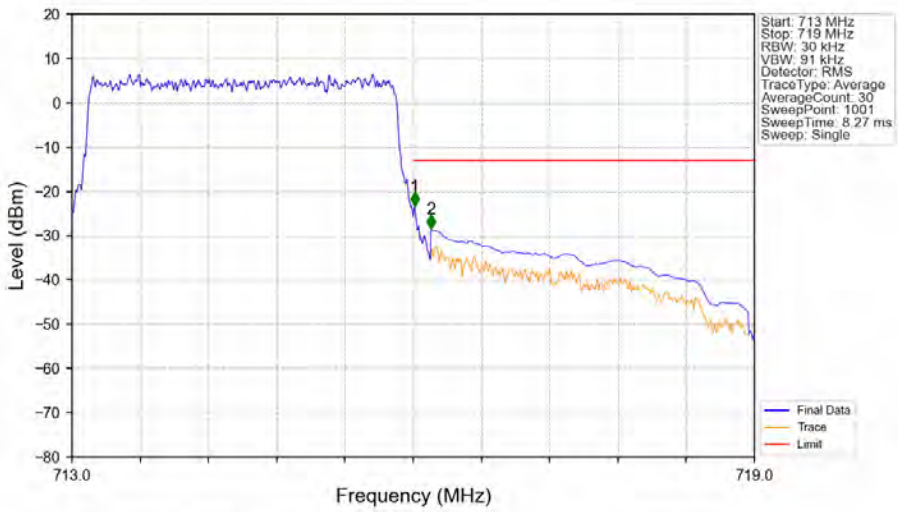



Band12_3MHz_QPSK_HCH_714.5MHz_RB_1_14_NTNV



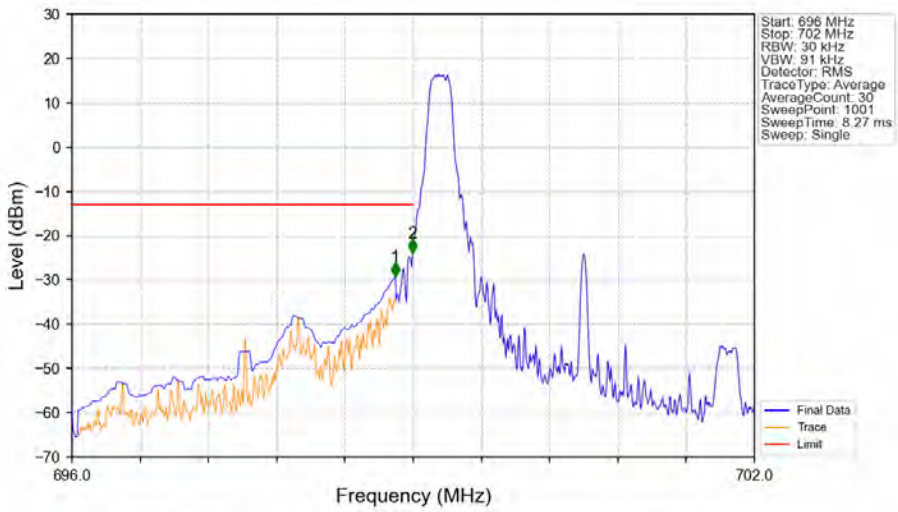

| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 713 | 716 | 0.03 | / | / | / | / | / | / |
| 716 | 716.1 | 0.03 | / | 1 | 716.012 | -21.03 | -13 | Pass |
| 716.1 | 719 | 0.1 | CHP | 2 | 716.156 | -31.15 | -13 | Pass |

Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



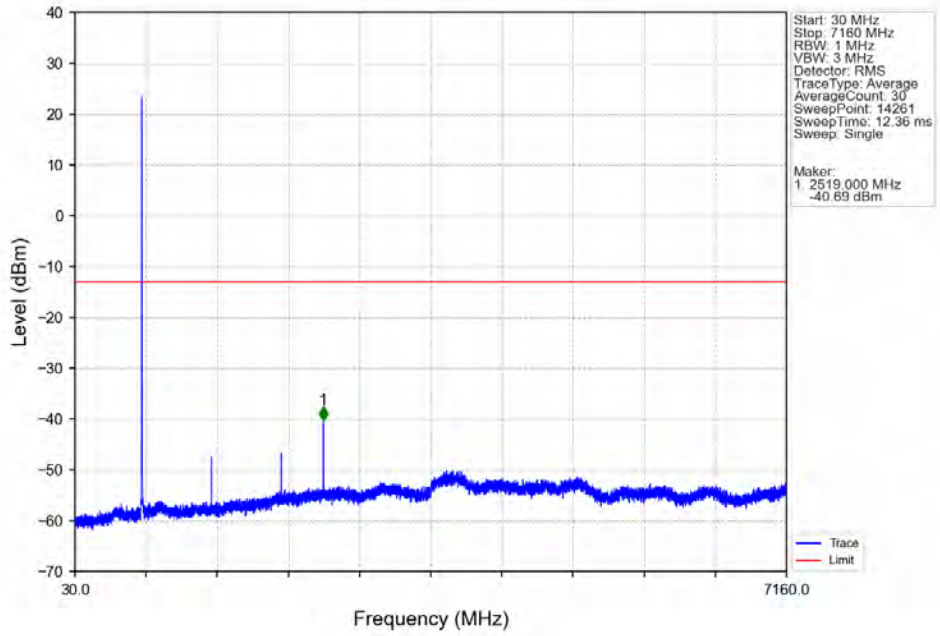

| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 713 | 716 | 0.03 | / | / | / | / | / | / |
| 716 | 716.1 | 0.03 | / | 1 | 716.012 | -23.37 | -13 | Pass |
| 716.1 | 719 | 0.1 | CHP | 2 | 716.156 | -28.48 | -13 | Pass |

Band12_3MHz_16QAM_LCH_700.5MHz_RB_1_0_NTNV

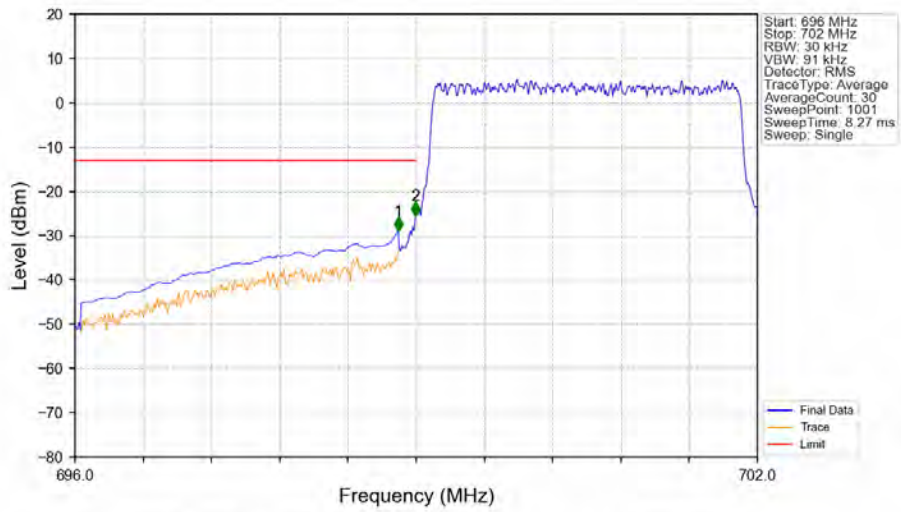



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 696 | 698.9 | 0.1 | CHP | 1 | 698.844 | -29.16 | -13 | Pass |
| 698.9 | 699 | 0.03 | / | 2 | 698.994 | -23.86 | -13 | Pass |
| 699 | 702 | 0.03 | / | / | / | / | / | / |

Band12_3MHz_16QAM_LCH_700.5MHz_RB_1_0_NTNV

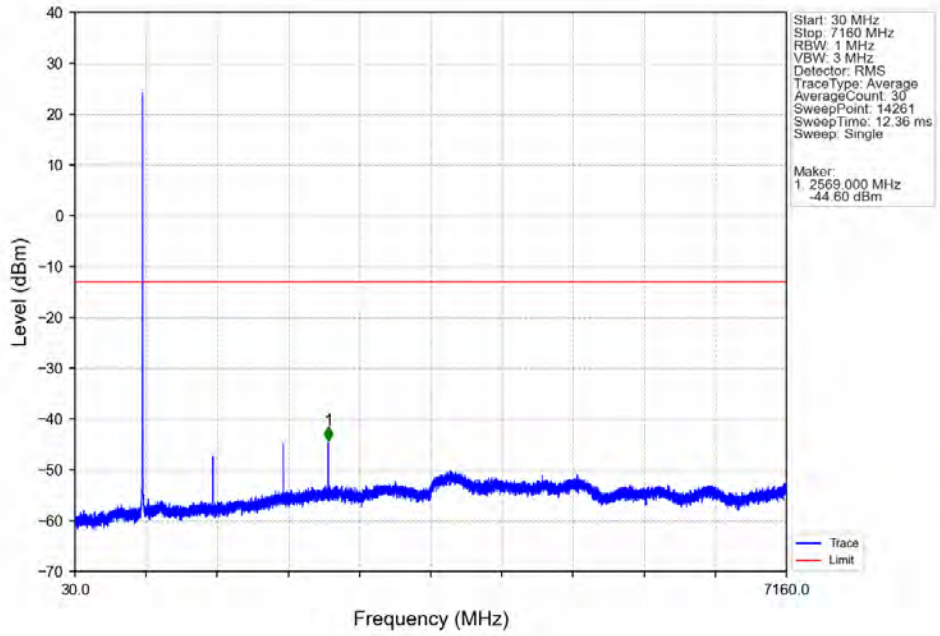



Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV

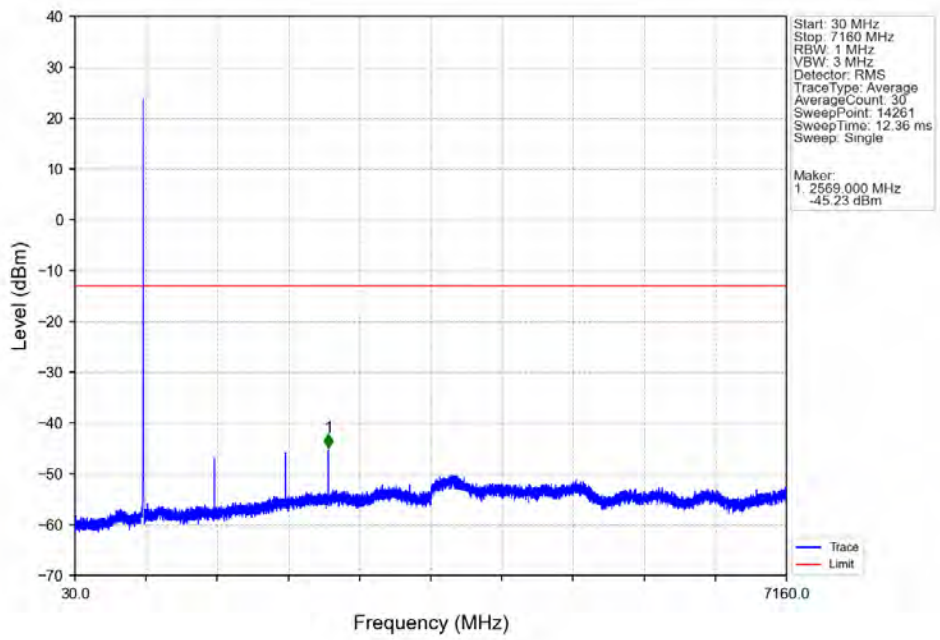



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 696 | 698.9 | 0.1 | CHP | 1 | 698.844 | -28.98 | -13 | Pass |
| 698.9 | 699 | 0.03 | / | 2 | 698.994 | -25.47 | -13 | Pass |
| 699 | 702 | 0.03 | / | / | / | / | / | / |

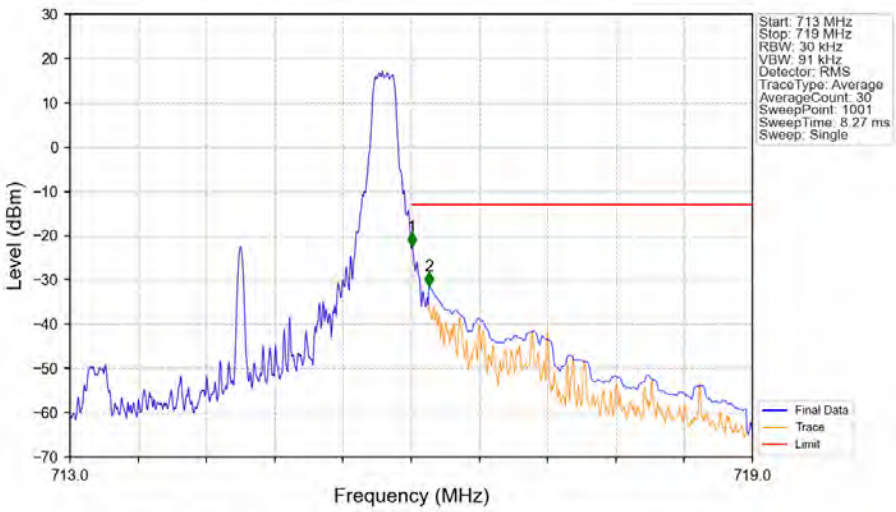
Band12_3MHz_16QAM_MCH_707.5MHz_RB_1_0_NTNV




Band12_3MHz_16QAM_HCH_714.5MHz_RB_1_0_NTNV

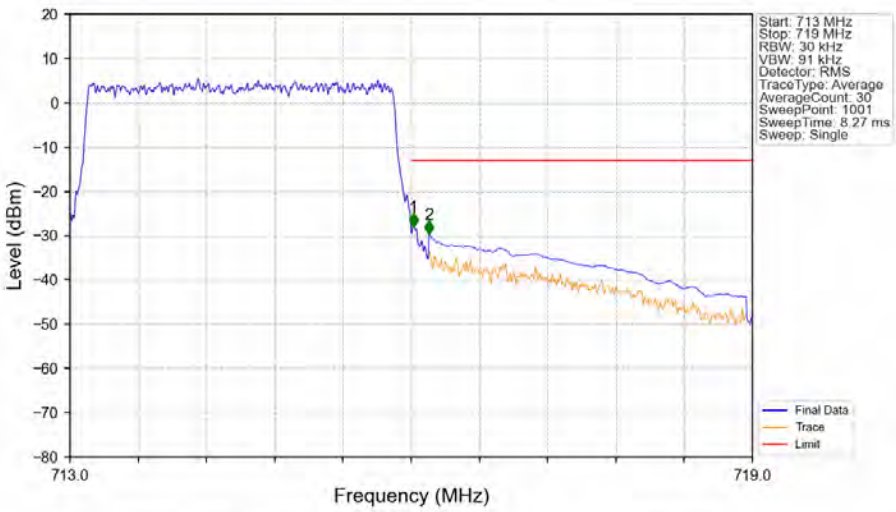


Band12_3MHz_16QAM_HCH_714.5MHz_RB_1_14_NTNV



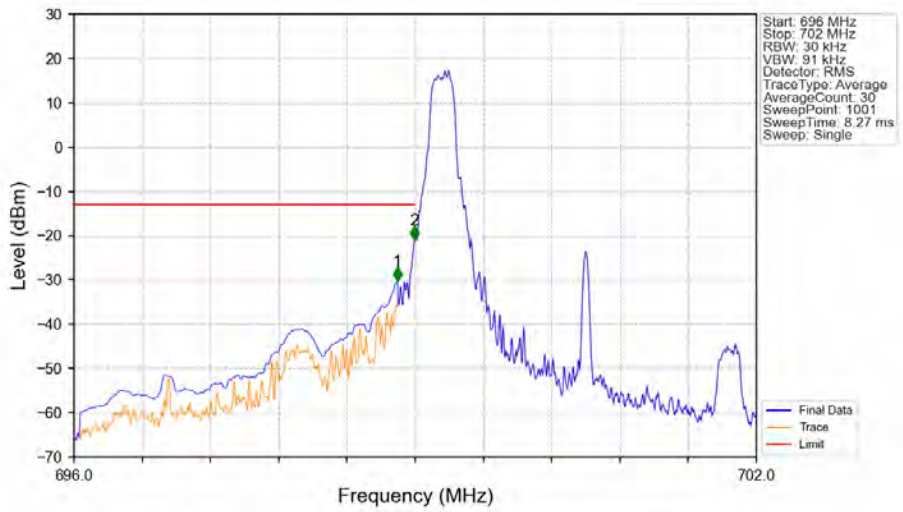

| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 713 | 716 | 0.03 | / | / | / | / | / | / |
| 716 | 716.1 | 0.03 | / | 1 | 716.006 | -22.39 | -13 | Pass |
| 716.1 | 719 | 0.1 | CHP | 2 | 716.156 | -31.39 | -13 | Pass |

Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV



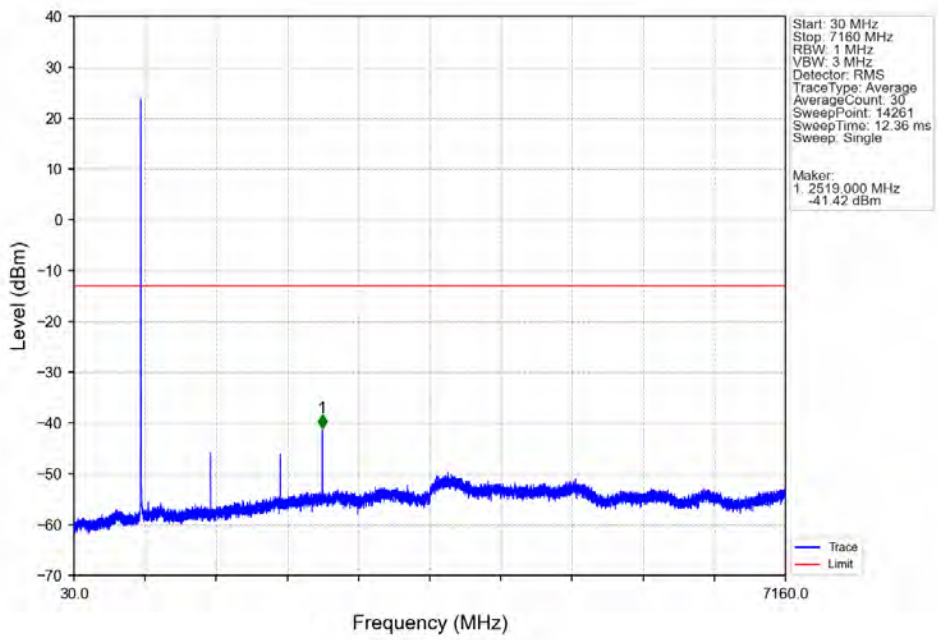

| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 713 | 716 | 0.03 | / | / | / | / | / | / |
| 716 | 716.1 | 0.03 | / | 1 | 716.018 | -27.97 | -13 | Pass |
| 716.1 | 719 | 0.1 | CHP | 2 | 716.156 | -29.74 | -13 | Pass |

Band12_3MHz_64QAM_LCH_700.5MHz_RB_1_0_NTNV

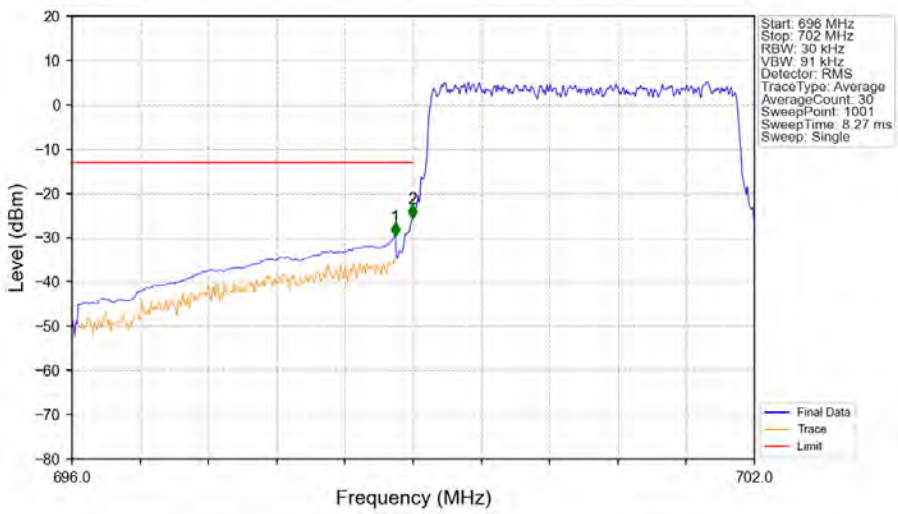



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 696 | 698.9 | 0.1 | CHP | 1 | 698.844 | -30.28 | -13 | Pass |
| 698.9 | 699 | 0.03 | / | 2 | 698.994 | -21.02 | -13 | Pass |
| 699 | 702 | 0.03 | / | / | / | / | / | / |

Band12_3MHz_64QAM_LCH_700.5MHz_RB_1_0_NTNV

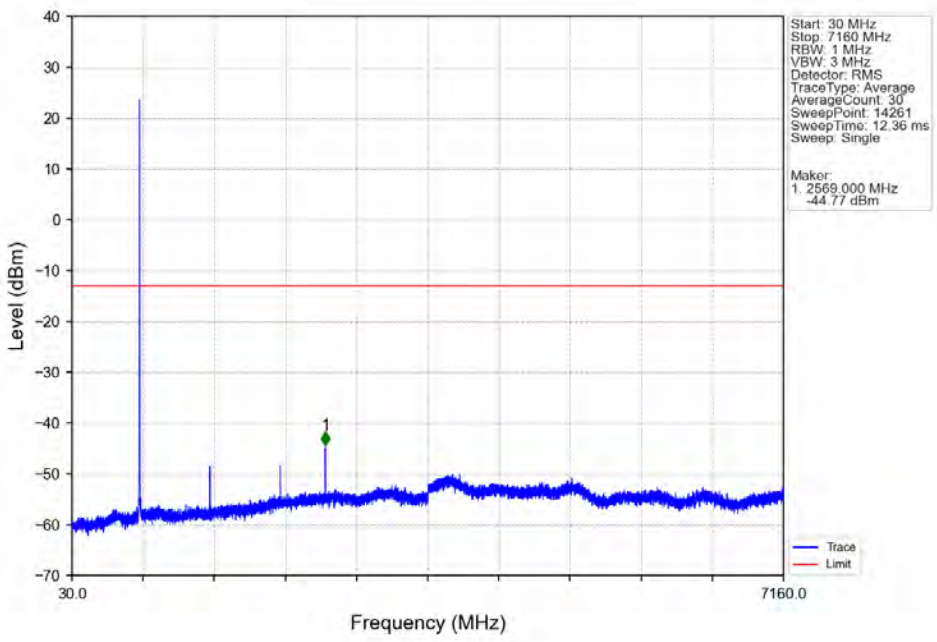


Band12_3MHz_64QAM_LCH_700.5MHz_RB_15_0_NTNV

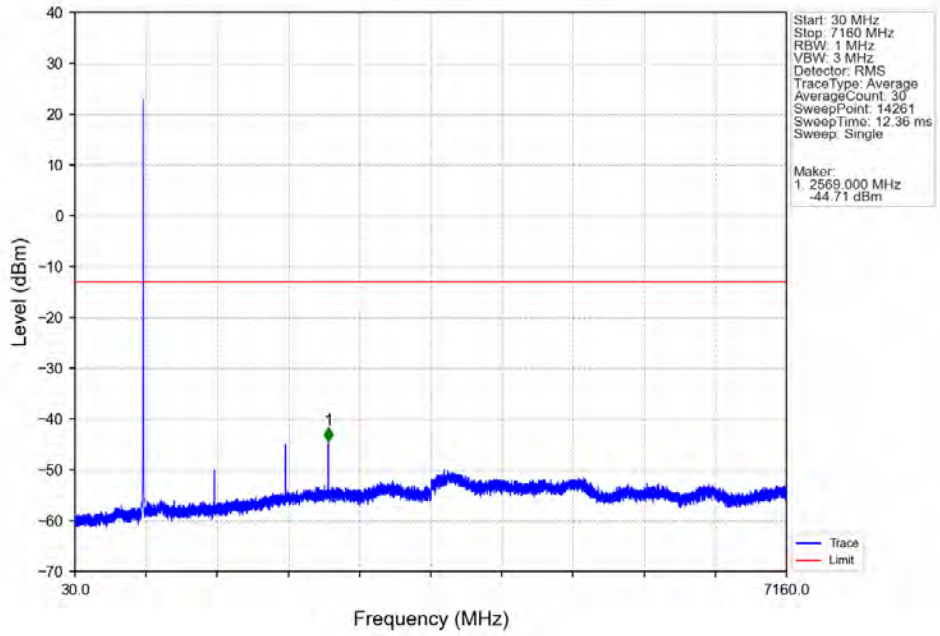



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 696 | 698.9 | 0.1 | CHP | 1 | 698.844 | -29.63 | -13 | Pass |
| 698.9 | 699 | 0.03 | / | 2 | 698.994 | -25.66 | -13 | Pass |
| 699 | 702 | 0.03 | / | / | / | / | / | / |

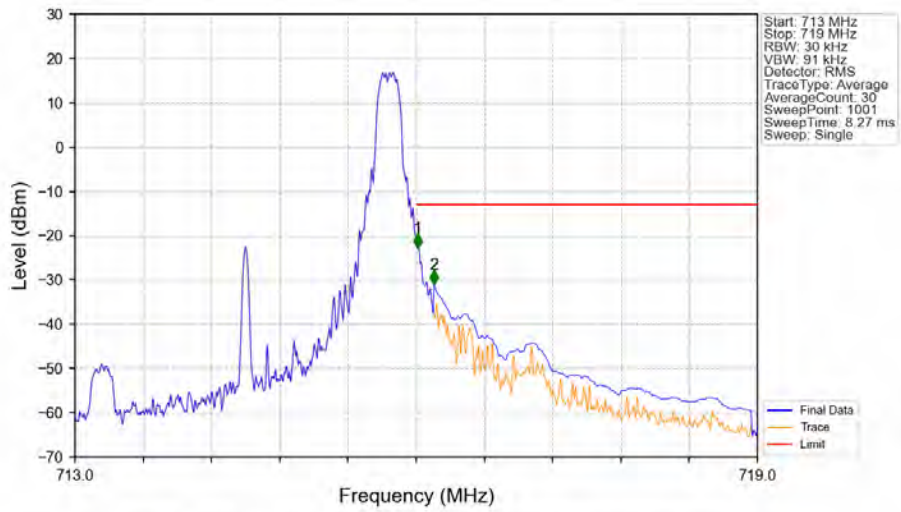
Band12_3MHz_64QAM_MCH_707.5MHz_RB_1_0_NTNV



Band12_3MHz_64QAM_HCH_714.5MHz_RB_1_0_NTNV

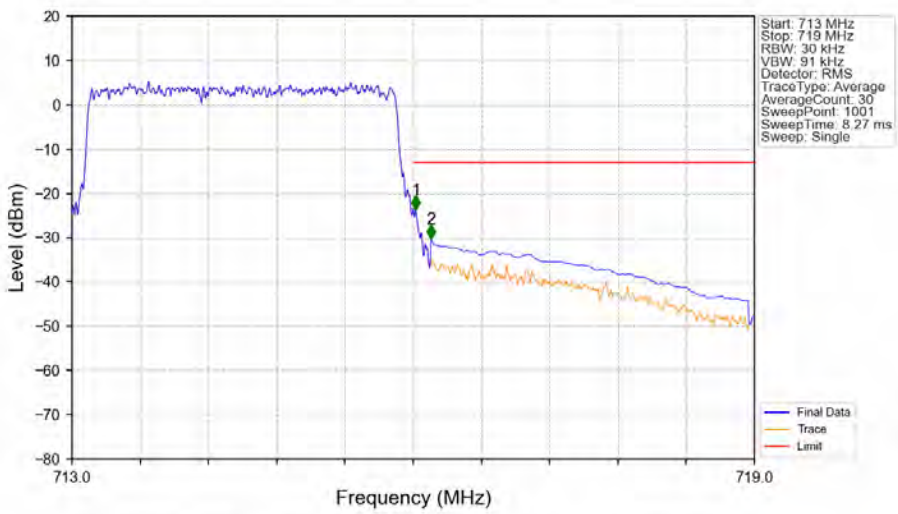



Band12_3MHz_64QAM_HCH_714.5MHz_RB_1_14_NTNV




| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 713 | 716 | 0.03 | / | / | / | / | / | / |
| 716 | 716.1 | 0.03 | / | 1 | 716.012 | -22.77 | -13 | Pass |
| 716.1 | 719 | 0.1 | CHP | 2 | 716.156 | -30.93 | -13 | Pass |

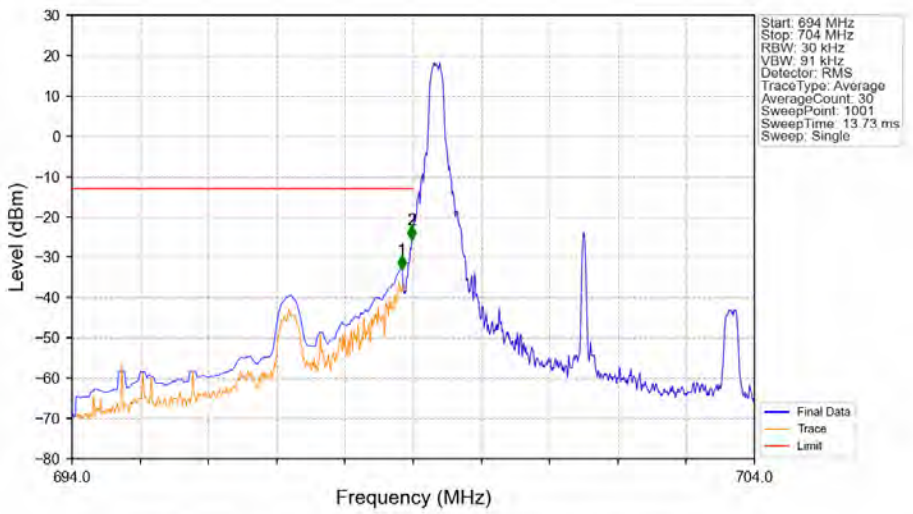
Band12_3MHz_64QAM_HCH_714.5MHz_RB_15_0_NTNV




| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 713 | 716 | 0.03 | / | / | / | / | / | / |
| 716 | 716.1 | 0.03 | / | 1 | 716.024 | -23.65 | -13 | Pass |
| 716.1 | 719 | 0.1 | CHP | 2 | 716.156 | -30.20 | -13 | Pass |

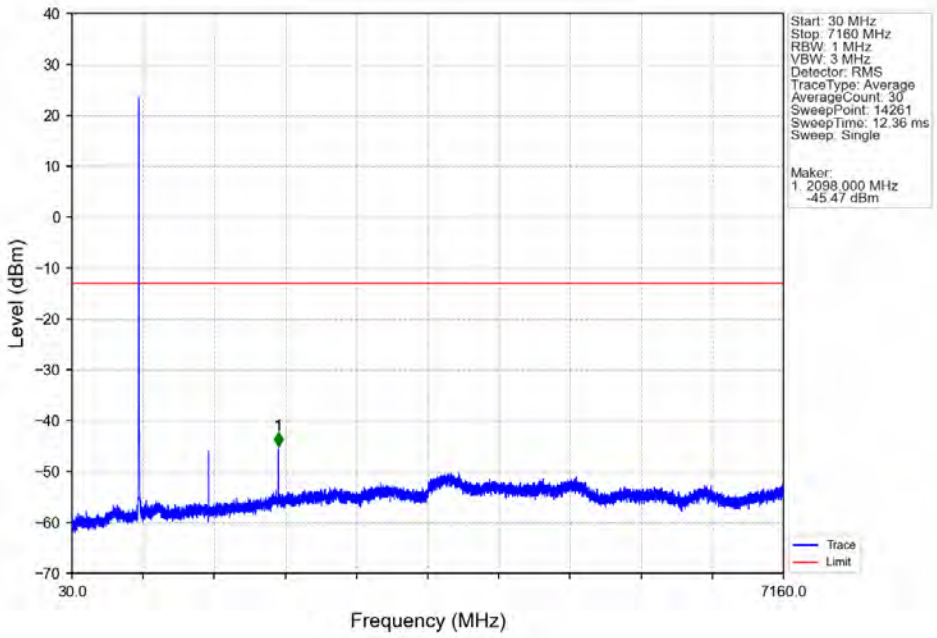
## 5.2.3 B12_5MHz

Band12_5MHz_QPSK_LCH_701.5MHz_RB_1_0_NTNV

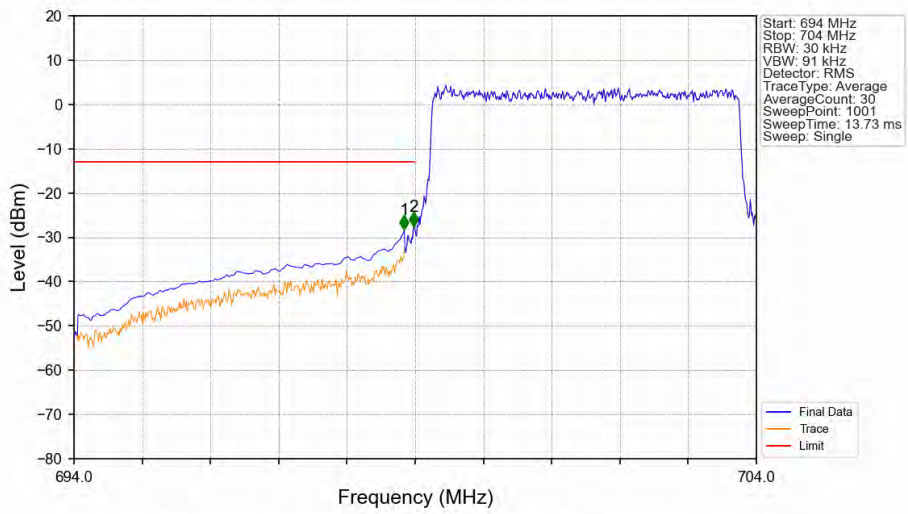



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 694 | 698.9 | 0.1 | CHP | 1 | 698.830 | -33.00 | -13 | Pass |
| 698.9 | 699 | 0.03 | / | 2 | 698.980 | -25.58 | -13 | Pass |
| 699 | 704 | 0.03 | / | / | / | / | / | / |

Band12_5MHz_QPSK_LCH_701.5MHz_RB_1_0_NTNV

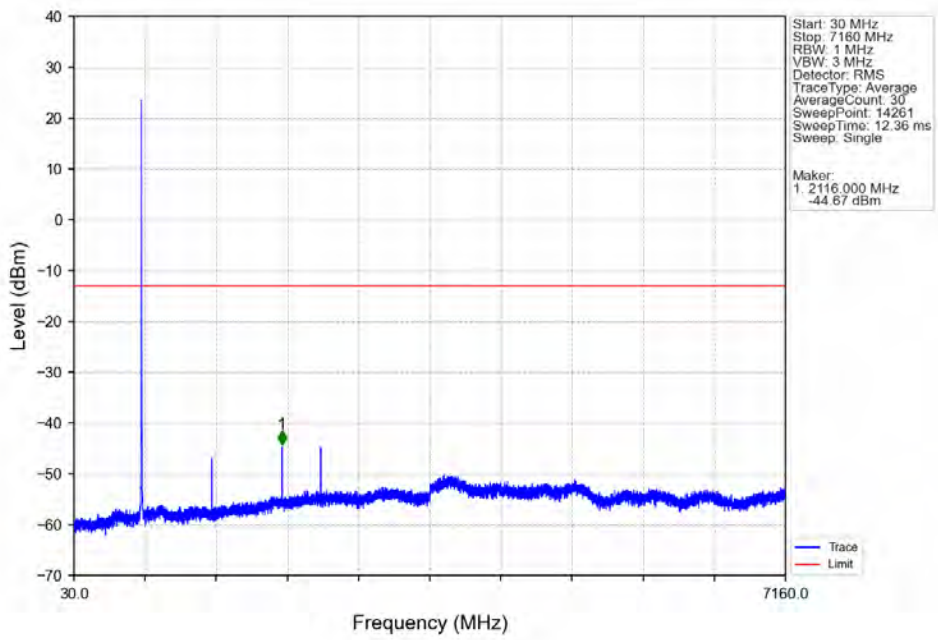


Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV

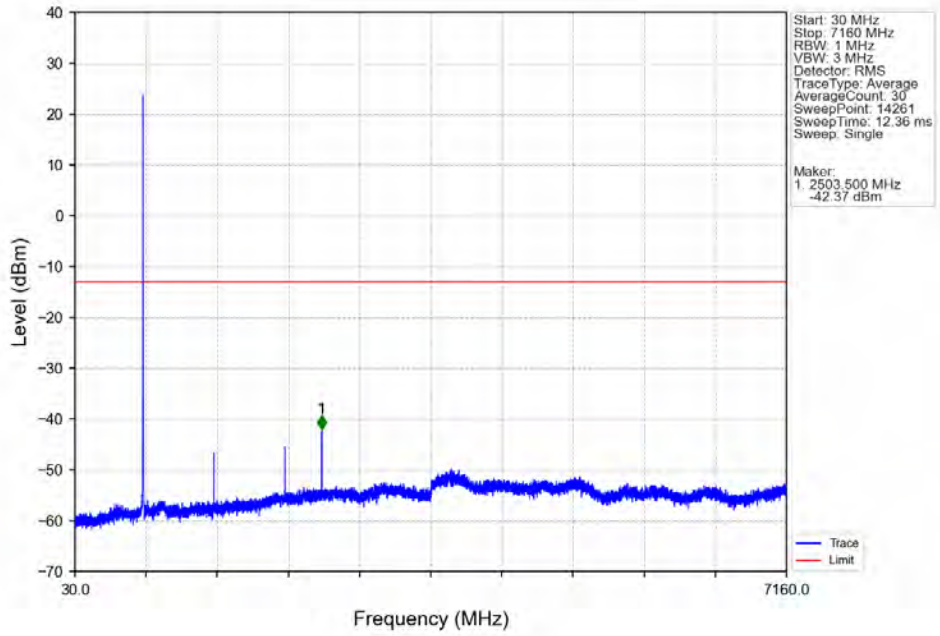



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 694 | 698.9 | 0.1 | CHP | 1 | 698.840 | -28.25 | -13 | Pass |
| 698.9 | 699 | 0.03 | / | 2 | 698.980 | -27.47 | -13 | Pass |
| 699 | 704 | 0.03 | / | / | / | / | / | / |

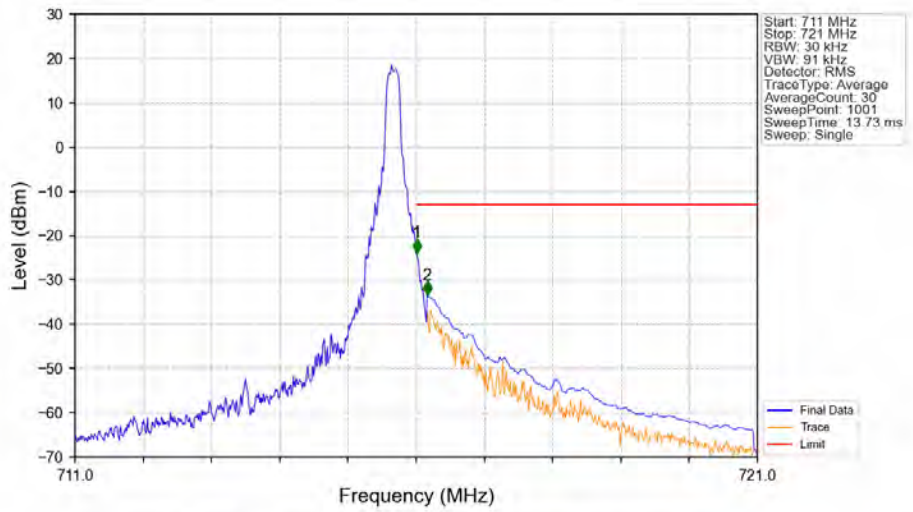
Band12_5MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12_5MHz_QPSK_HCH_713.5MHz_RB_1_0_NTNV

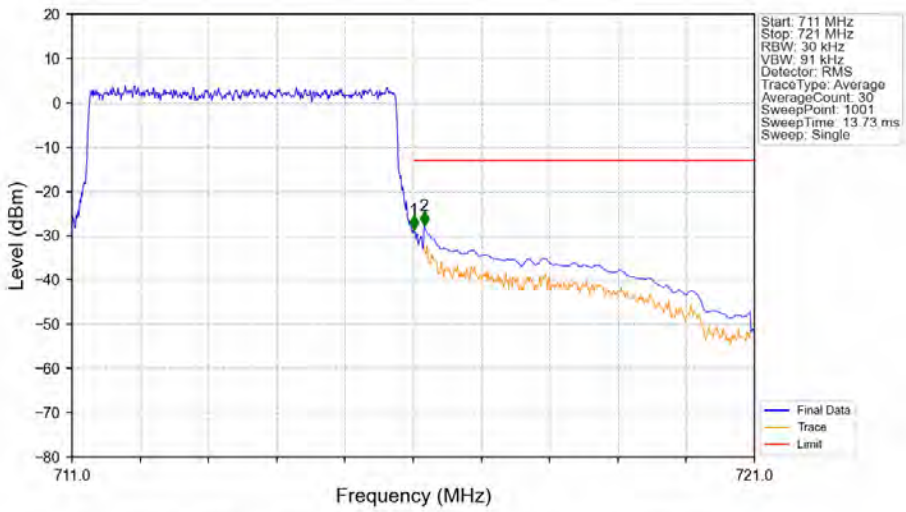



Band12_5MHz_QPSK_HCH_713.5MHz_RB_1_24_NTNV



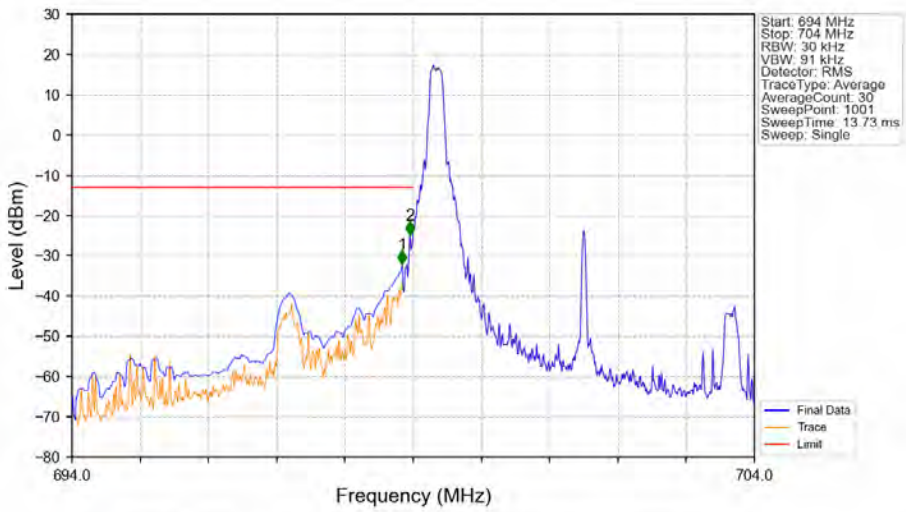

| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 711 | 716 | 0.03 | / | / | / | / | / | / |
| 716 | 716.1 | 0.03 | / | 1 | 716.010 | -23.77 | -13 | Pass |
| 716.1 | 721 | 0.1 | CHP | 2 | 716.160 | -33.25 | -13 | Pass |

Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



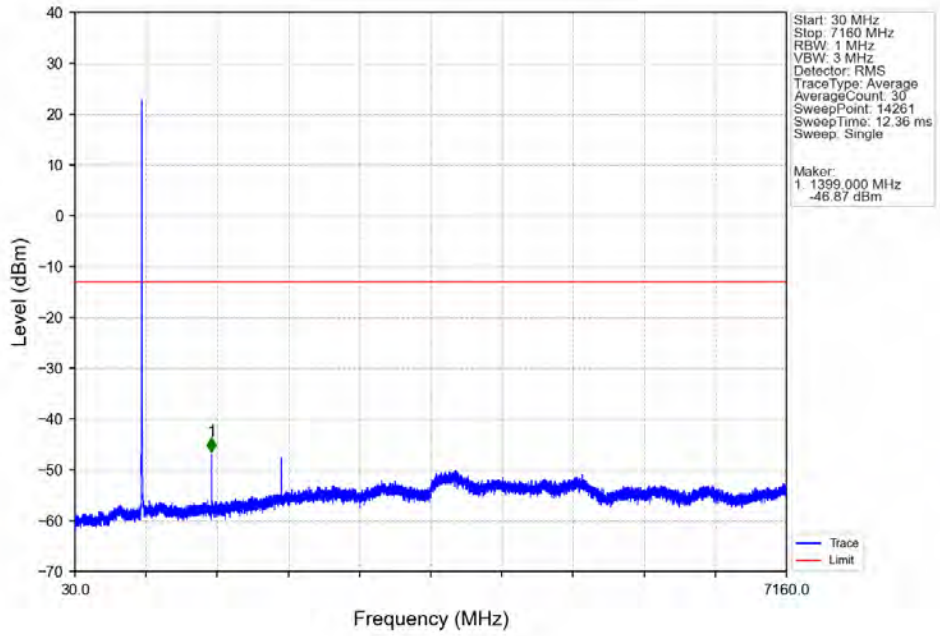

| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 711 | 716 | 0.03 | / | / | / | / | / | / |
| 716 | 716.1 | 0.03 | / | 1 | 716.010 | -28.54 | -13 | Pass |
| 716.1 | 721 | 0.1 | CHP | 2 | 716.160 | -27.67 | -13 | Pass |

Band12_5MHz_16QAM_LCH_701.5MHz_RB_1_0_NTNV

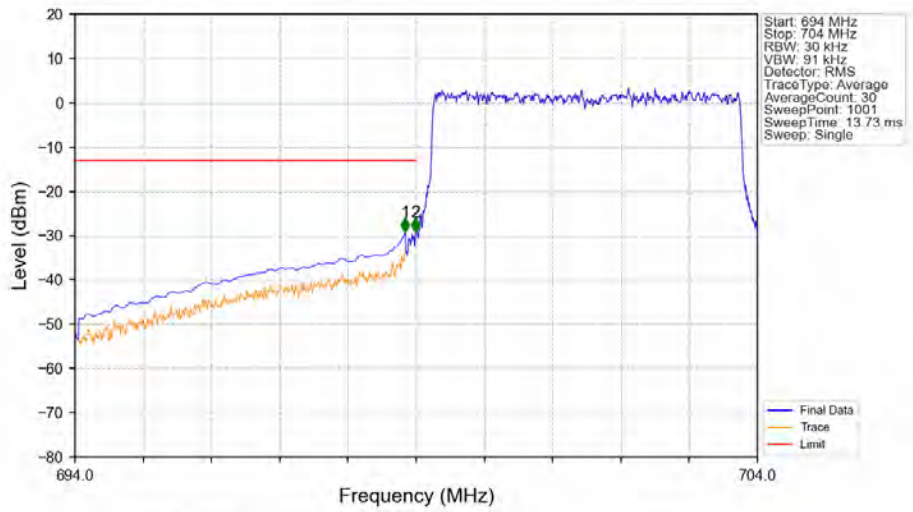



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 694 | 698.9 | 0.1 | CHP | 1 | 698.840 | -32.07 | -13 | Pass |
| 698.9 | 699 | 0.03 | / | 2 | 698.950 | -24.93 | -13 | Pass |
| 699 | 704 | 0.03 | / | / | / | / | / | / |

Band12_5MHz_16QAM_LCH_701.5MHz_RB_1_0_NTNV

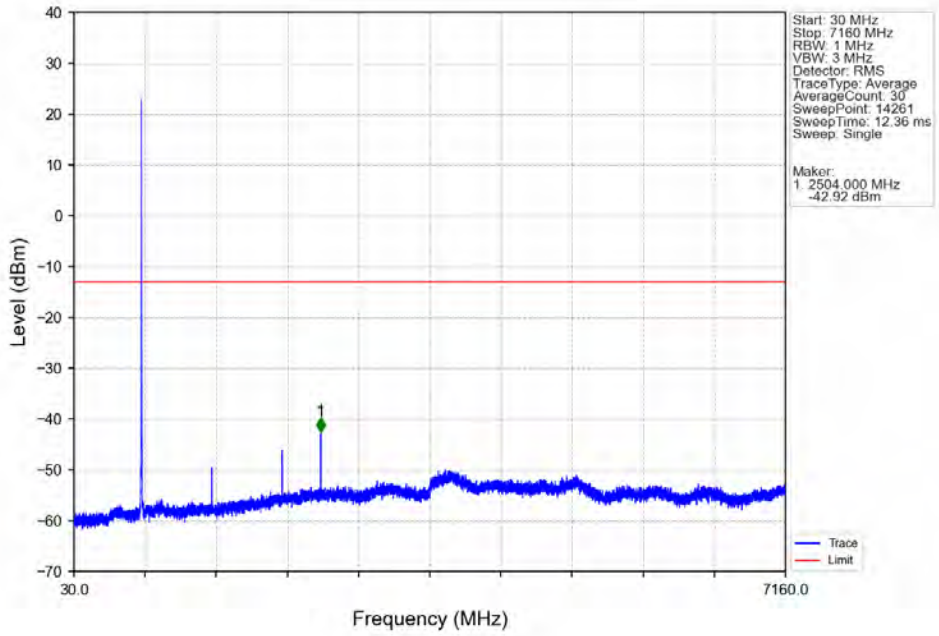



Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV

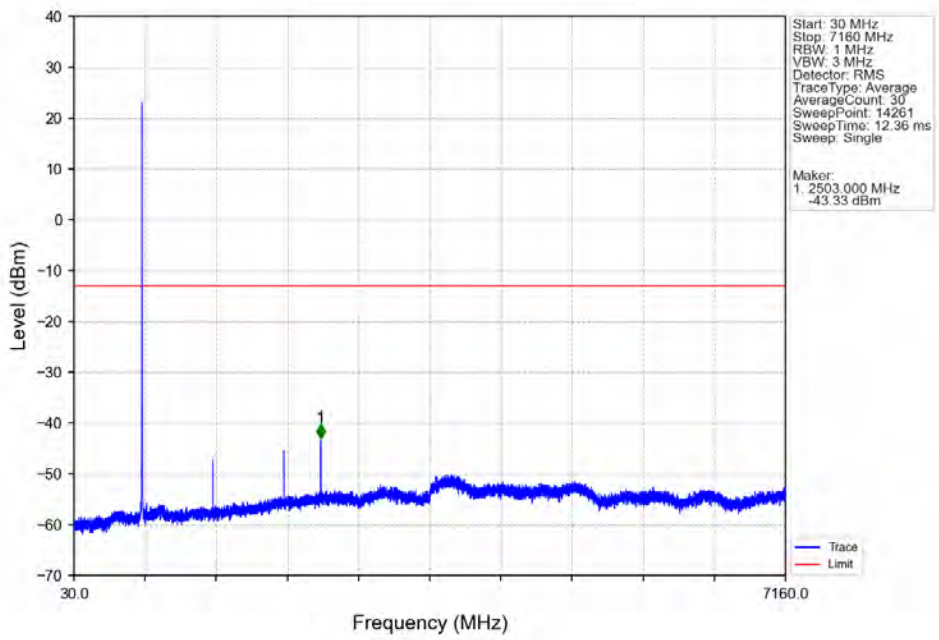



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 694 | 698.9 | 0.1 | CHP | 1 | 698.840 | -29.11 | -13 | Pass |
| 698.9 | 699 | 0.03 | / | 2 | 698.990 | -29.14 | -13 | Pass |
| 699 | 704 | 0.03 | / | / | / | / | / | / |

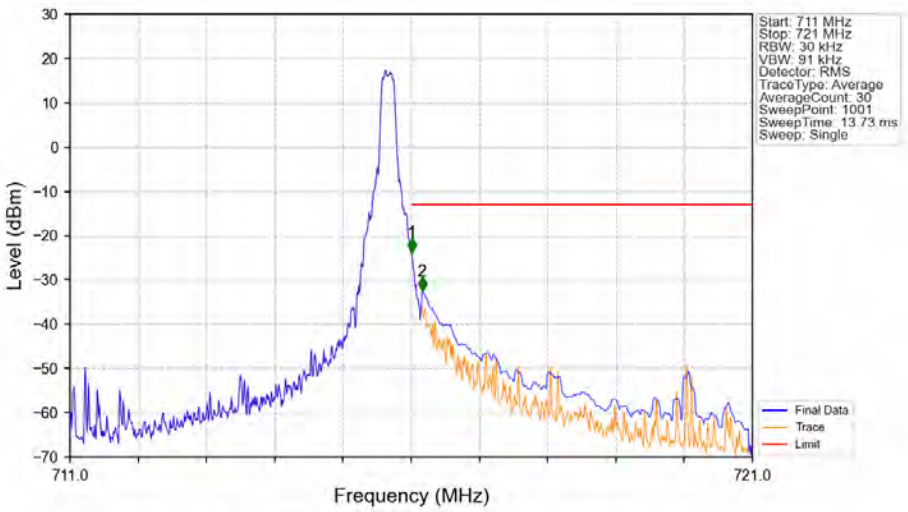
Band12_5MHz_16QAM_MCH_707.5MHz_RB_1_0_NTNV




Band12_5MHz_16QAM_HCH_713.5MHz_RB_1_0_NTNV

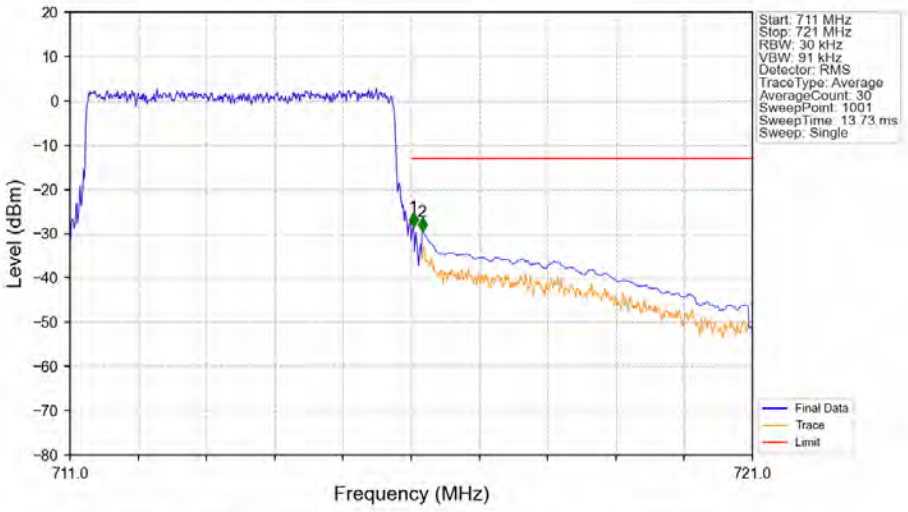


Band12_5MHz_16QAM_HCH_713.5MHz_RB_1_24_NTNV



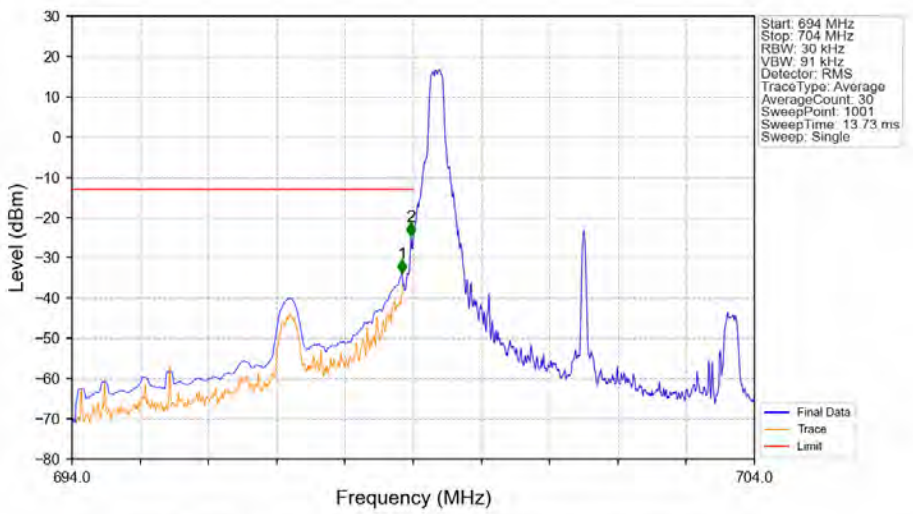

| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 711 | 716 | 0.03 | / | / | / | / | / | / |
| 716 | 716.1 | 0.03 | / | 1 | 716.010 | -23.71 | -13 | Pass |
| 716.1 | 721 | 0.1 | CHP | 2 | 716.160 | -32.36 | -13 | Pass |

Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



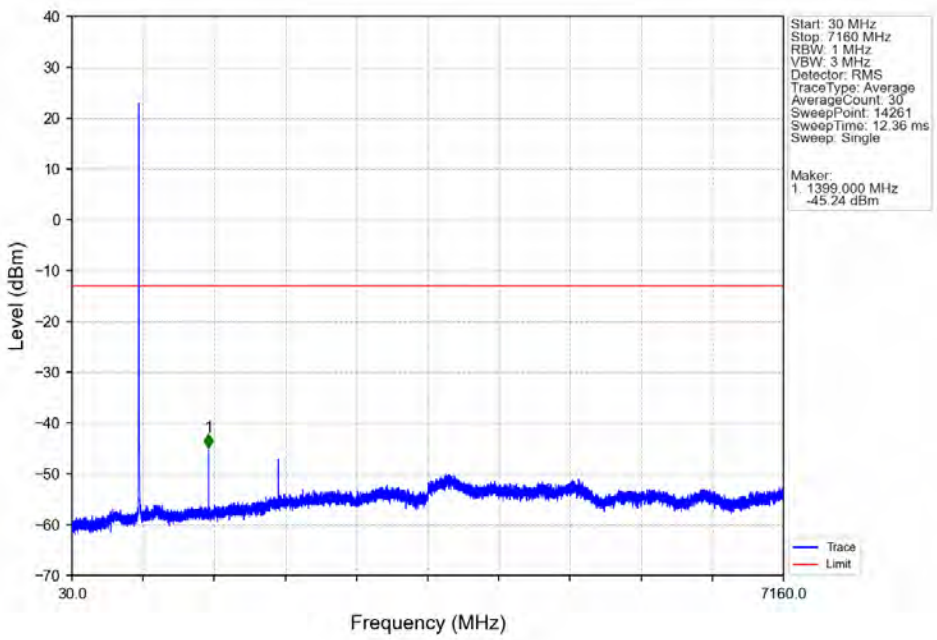

| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 711 | 716 | 0.03 | / | / | / | / | / | / |
| 716 | 716.1 | 0.03 | / | 1 | 716.030 | -28.40 | -13 | Pass |
| 716.1 | 721 | 0.1 | CHP | 2 | 716.160 | -29.45 | -13 | Pass |

Band12_5MHz_64QAM_LCH_701.5MHz_RB_1_0_NTNV

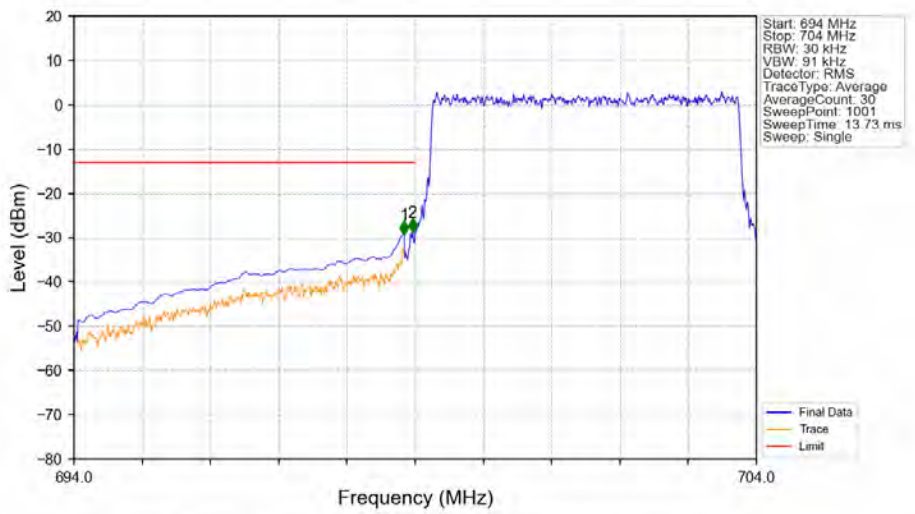



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 694 | 698.9 | 0.1 | CHP | 1 | 698.840 | -33.89 | -13 | Pass |
| 698.9 | 699 | 0.03 | / | 2 | 698.970 | -24.67 | -13 | Pass |
| 699 | 704 | 0.03 | / | / | / | / | / | / |

Band12_5MHz_64QAM_LCH_701.5MHz_RB_1_0_NTNV

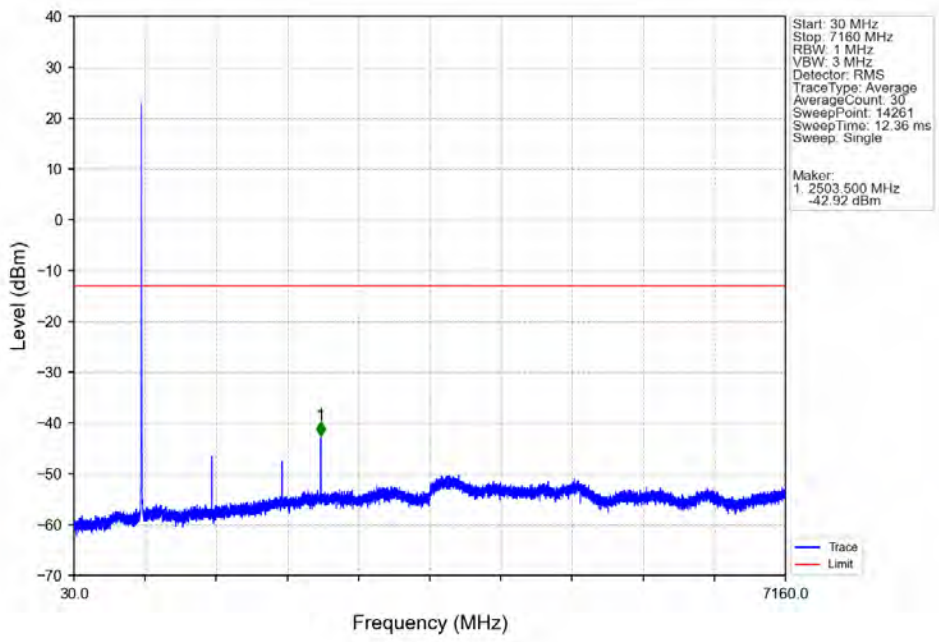


Band12_5MHz_64QAM_LCH_701.5MHz_RB_25_0_NTNV

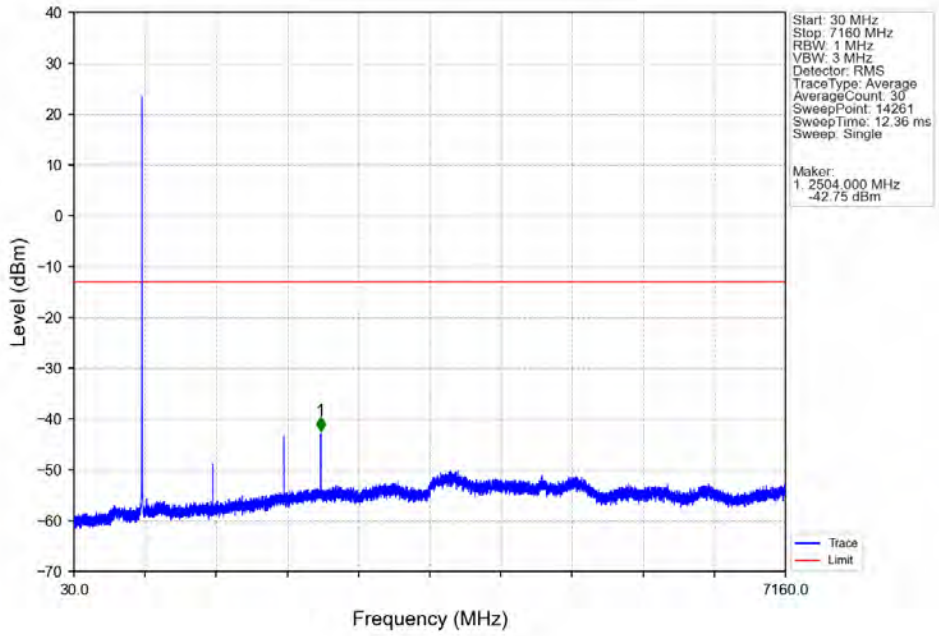



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 694 | 698.9 | 0.1 | CHP | 1 | 698.840 | -29.26 | -13 | Pass |
| 698.9 | 699 | 0.03 | / | 2 | 698.960 | -28.81 | -13 | Pass |
| 699 | 704 | 0.03 | / | / | / | / | / | / |

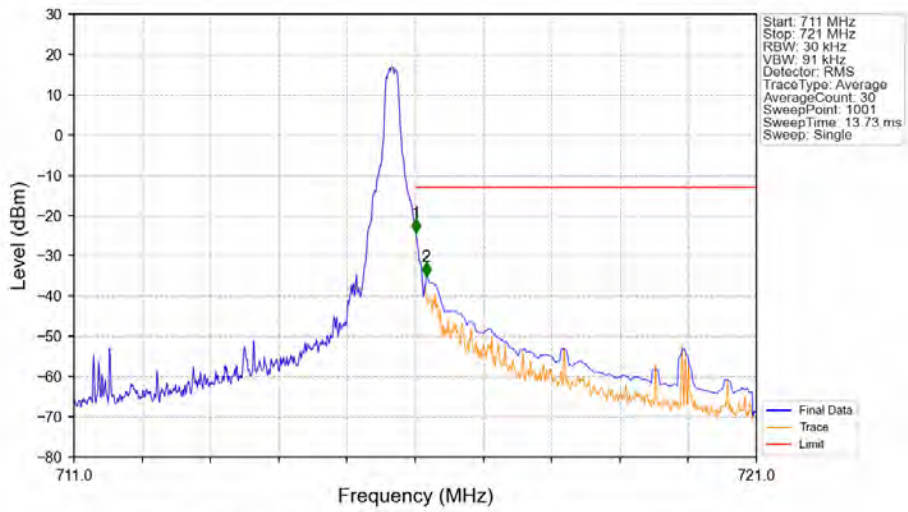
Band12_5MHz_64QAM_MCH_707.5MHz_RB_1_0_NTNV



Band12_5MHz_64QAM_HCH_713.5MHz_RB_1_0_NTNV

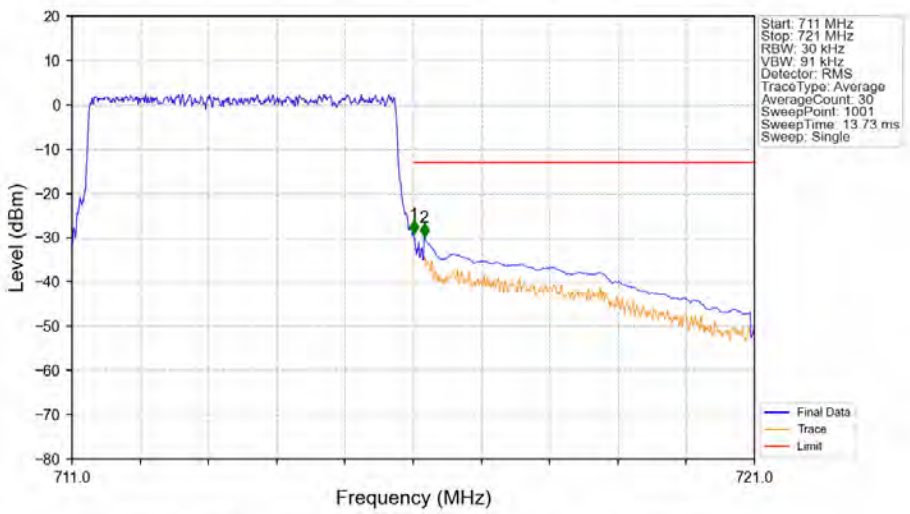



Band12_5MHz_64QAM_HCH_713.5MHz_RB_1_24_NTNV




| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 711 | 716 | 0.03 | / | / | / | / | / | / |
| 716 | 716.1 | 0.03 | / | 1 | 716.010 | -24.29 | -13 | Pass |
| 716.1 | 721 | 0.1 | CHP | 2 | 716.160 | -35.01 | -13 | Pass |

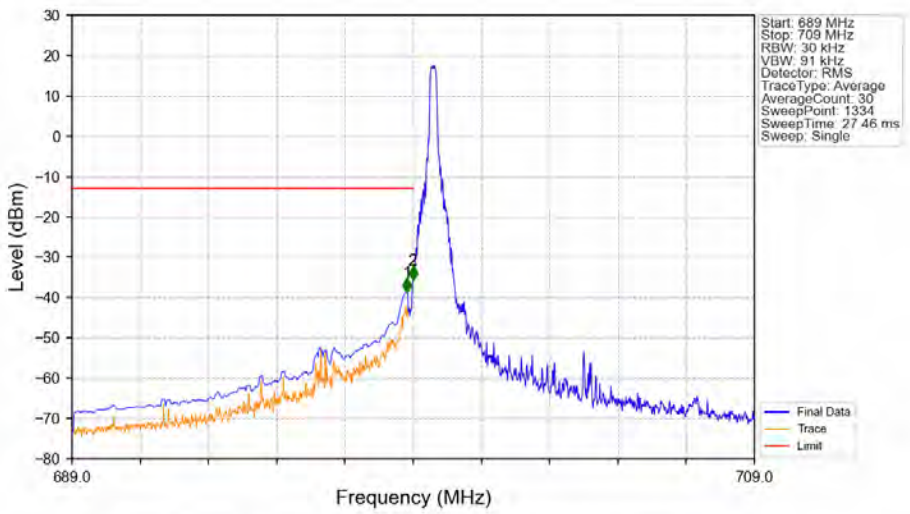
Band12_5MHz_64QAM_HCH_713.5MHz_RB_25_0_NTNV




| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 711 | 716 | 0.03 | / | / | / | / | / | / |
| 716 | 716.1 | 0.03 | / | 1 | 716.010 | -29.13 | -13 | Pass |
| 716.1 | 721 | 0.1 | CHP | 2 | 716.160 | -29.80 | -13 | Pass |

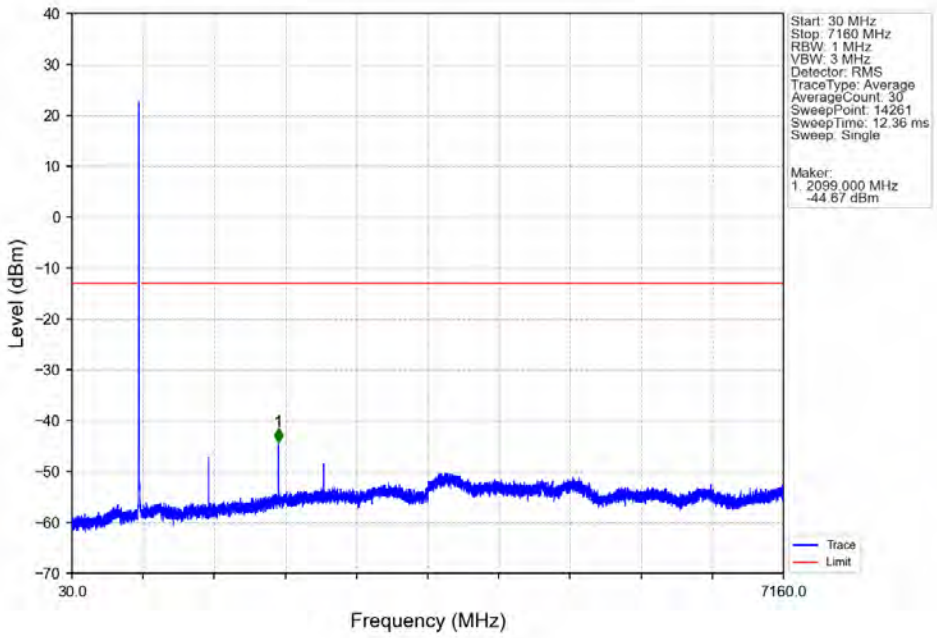
## 5.2.4 B12_10MHz

Band12_10MHz_QPSK_LCH_704MHz_RB_1_0_NTNV

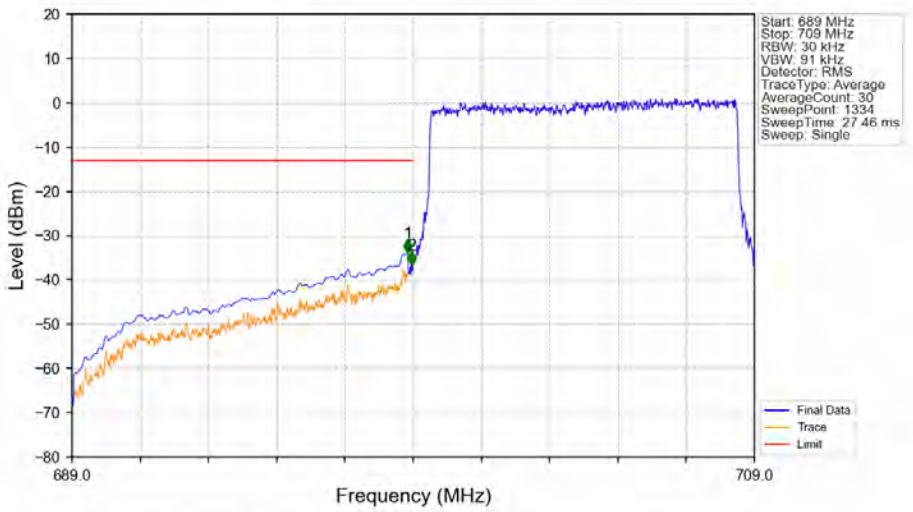



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 689 | 698.9 | 0.1 | CHP | 1 | 698.812 | -38.62 | -13 | Pass |
| 698.9 | 699 | 0.03 | / | 2 | 698.992 | -35.70 | -13 | Pass |
| 699 | 709 | 0.03 | / | / | / | / | / | / |

Band12_10MHz_QPSK_LCH_704MHz_RB_1_0_NTNV

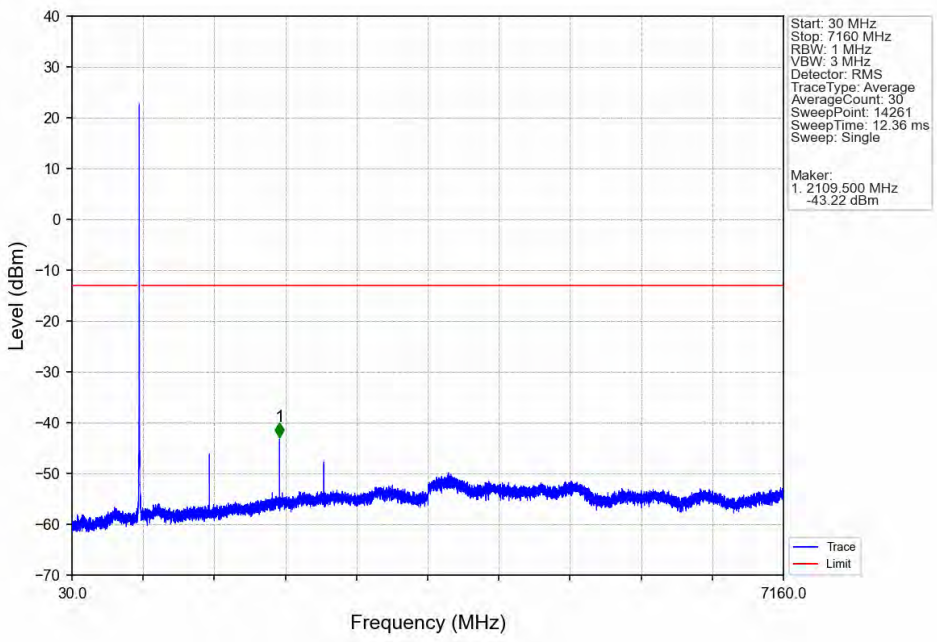


Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV

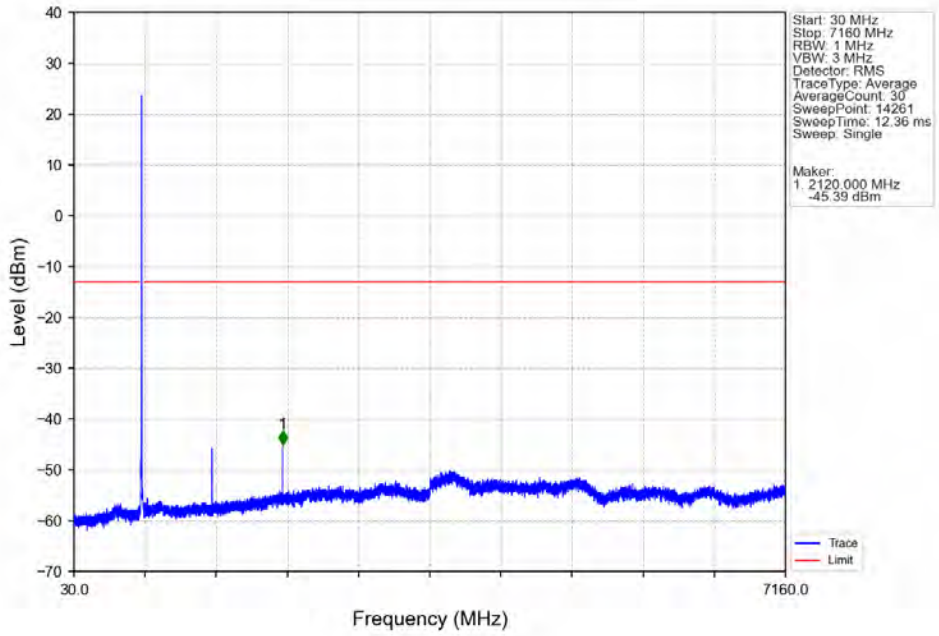



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 689 | 698.9 | 0.1 | CHP | 1 | 698.842 | -33.79 | -13 | Pass |
| 698.9 | 699 | 0.03 | / | 2 | 698.947 | -36.53 | -13 | Pass |
| 699 | 709 | 0.03 | / | / | / | / | / | / |

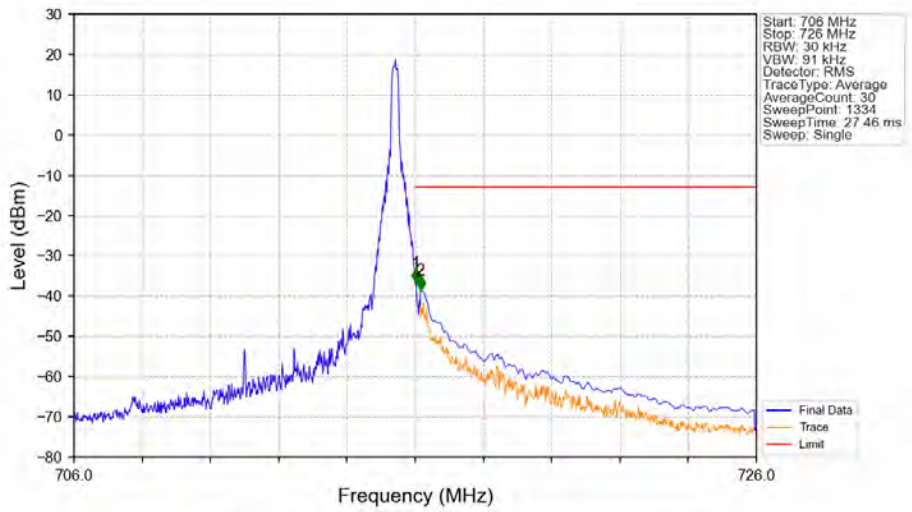
Band12_10MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



Band12_10MHz_QPSK_HCH_711MHz_RB_1_0_NTNV

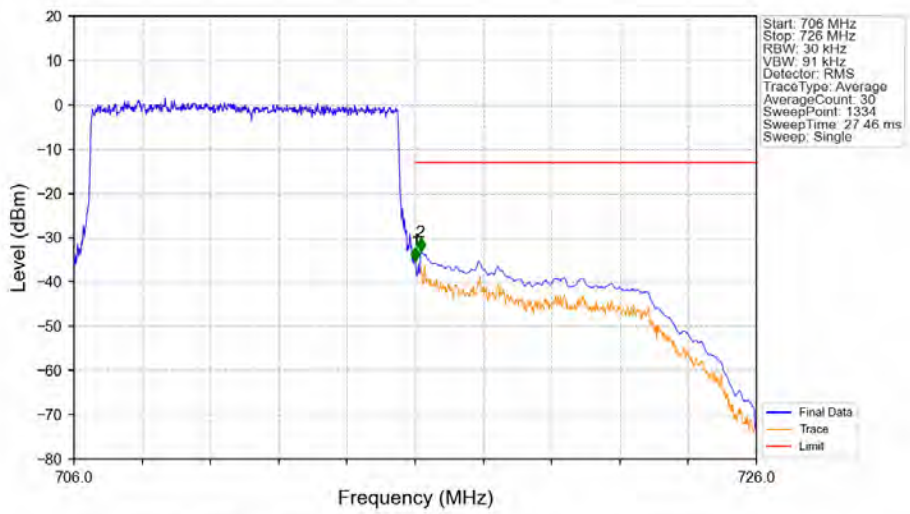



Band12_10MHz_QPSK_HCH_711MHz_RB_1_49_NTNV



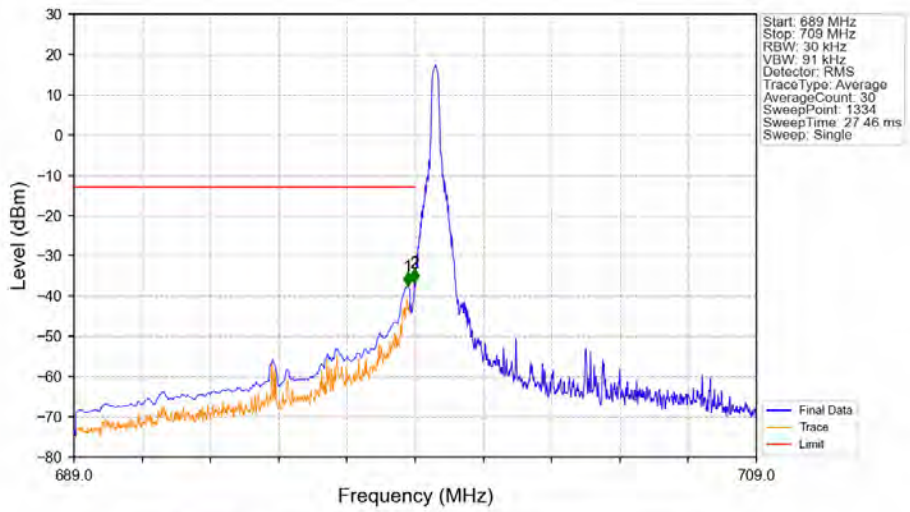

| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 706 | 716 | 0.03 | / | / | / | / | / | / |
| 716 | 716.1 | 0.03 | / | 1 | 716.023 | -36.62 | -13 | Pass |
| 716.1 | 726 | 0.1 | CHP | 2 | 716.158 | -38.56 | -13 | Pass |

Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



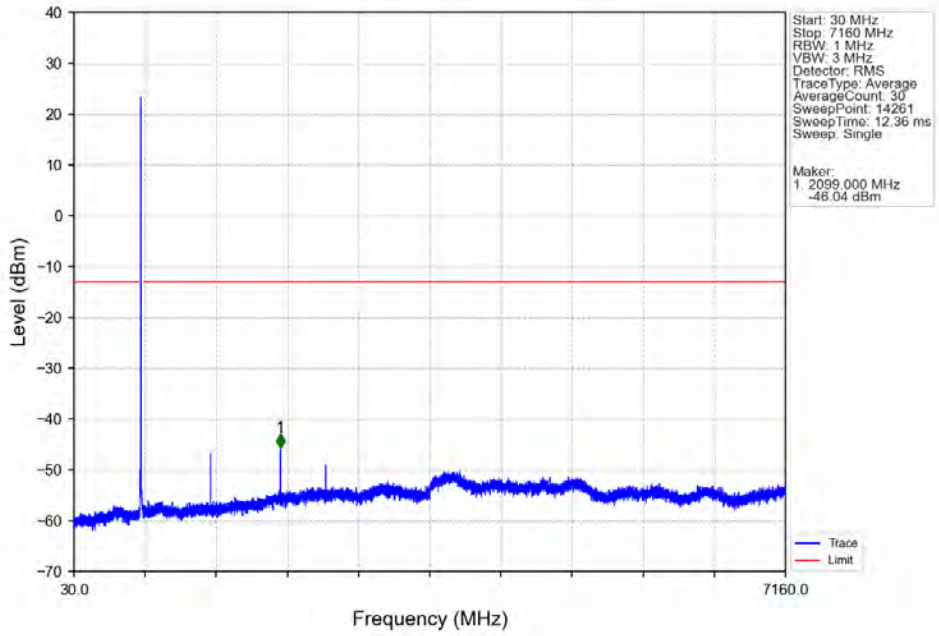

| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 706 | 716 | 0.03 | / | / | / | / | / | / |
| 716 | 716.1 | 0.03 | / | 1 | 716.008 | -35.23 | -13 | Pass |
| 716.1 | 726 | 0.1 | CHP | 2 | 716.158 | -33.06 | -13 | Pass |

Band12_10MHz_16QAM_LCH_704MHz_RB_1_0_NTNV

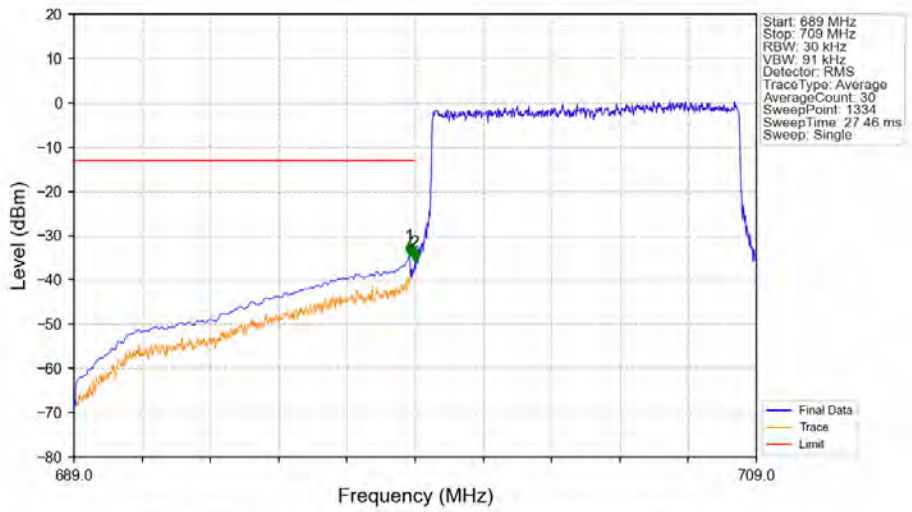



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 689 | 698.9 | 0.1 | CHP | 1 | 698.782 | -37.48 | -13 | Pass |
| 698.9 | 699 | 0.03 | / | 2 | 698.977 | -36.66 | -13 | Pass |
| 699 | 709 | 0.03 | / | / | / | / | / | / |

Band12_10MHz_16QAM_LCH_704MHz_RB_1_0_NTNV

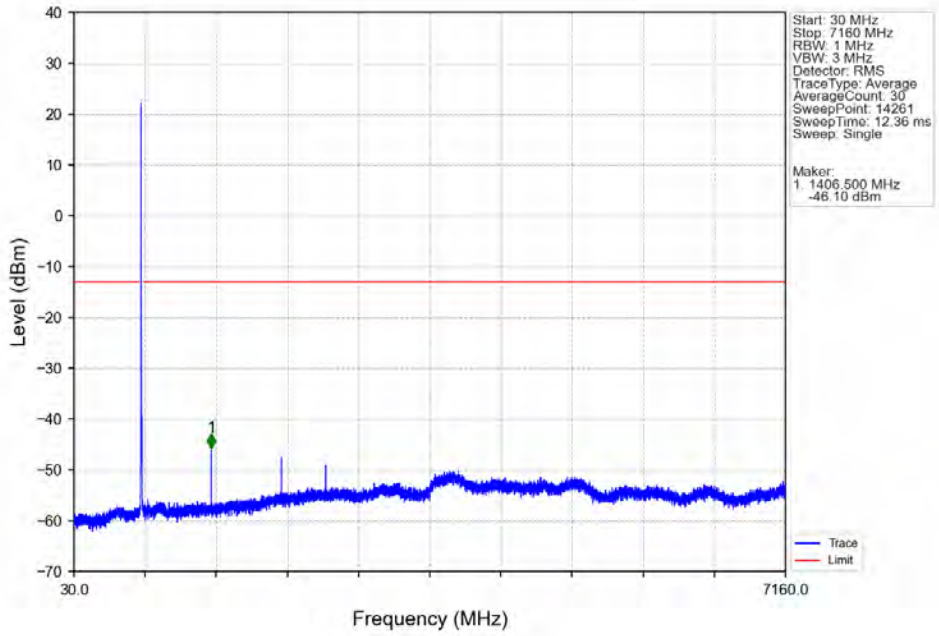



Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV

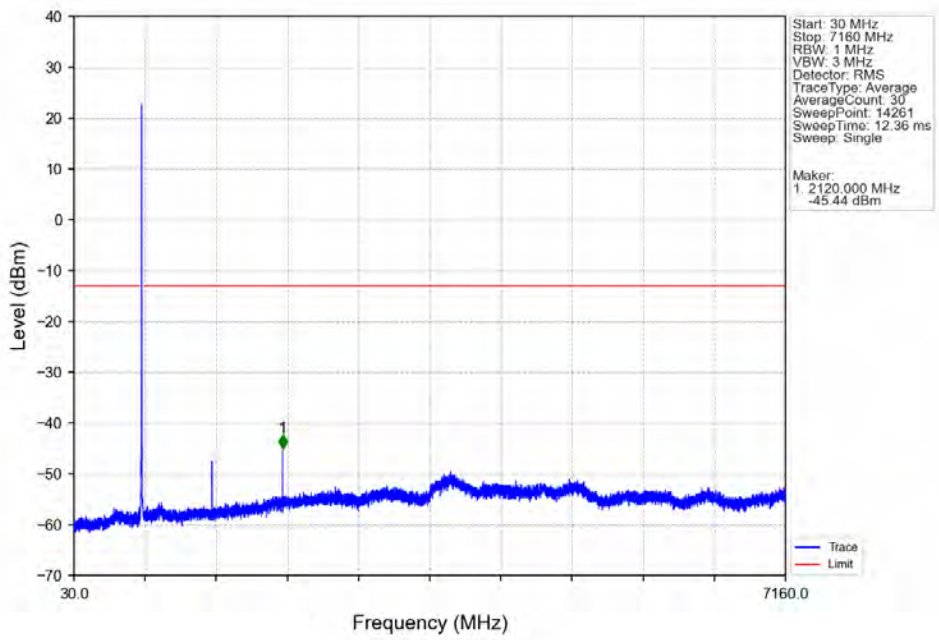



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 689 | 698.9 | 0.1 | CHP | 1 | 698.827 | -34.36 | -13 | Pass |
| 698.9 | 699 | 0.03 | / | 2 | 698.992 | -35.88 | -13 | Pass |
| 699 | 709 | 0.03 | / | / | / | / | / | / |

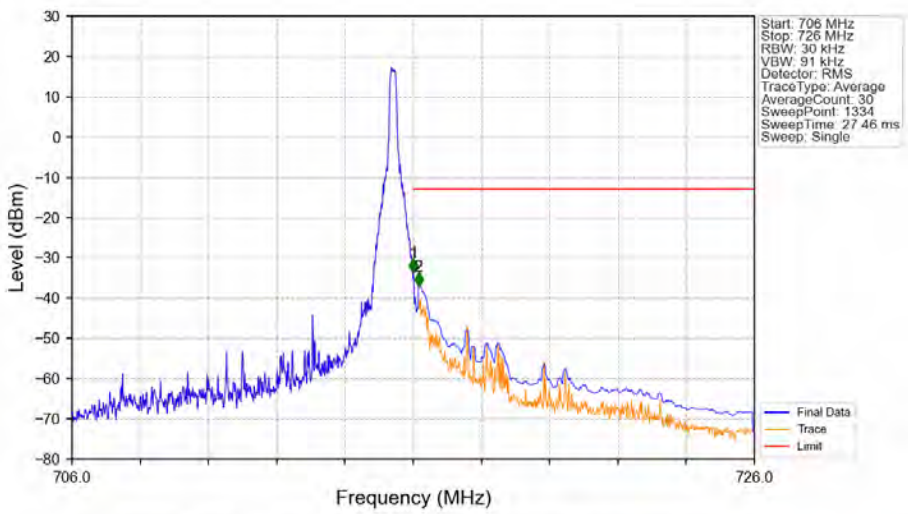
Band12_10MHz_16QAM_MCH_707.5MHz_RB_1_0_NTNV




Band12_10MHz_16QAM_HCH_711MHz_RB_1_0_NTNV

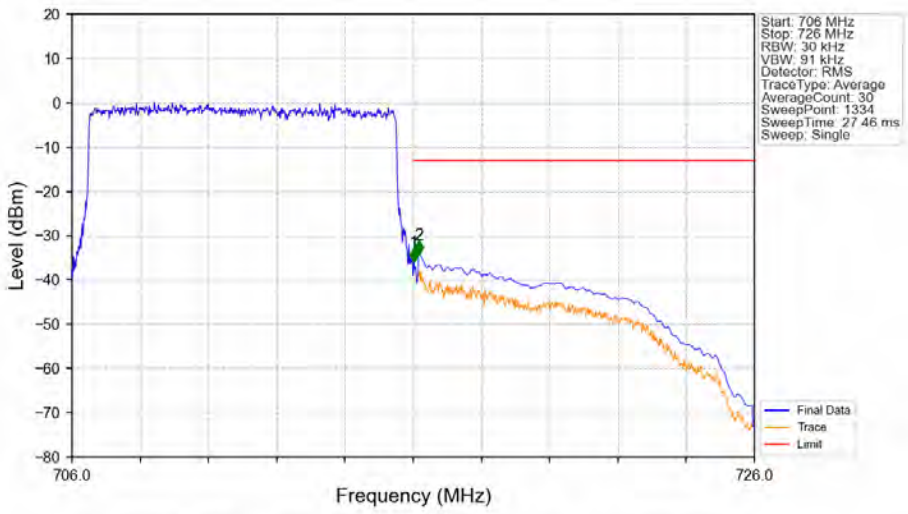


Band12_10MHz_16QAM_HCH_711MHz_RB_1_49_NTNV



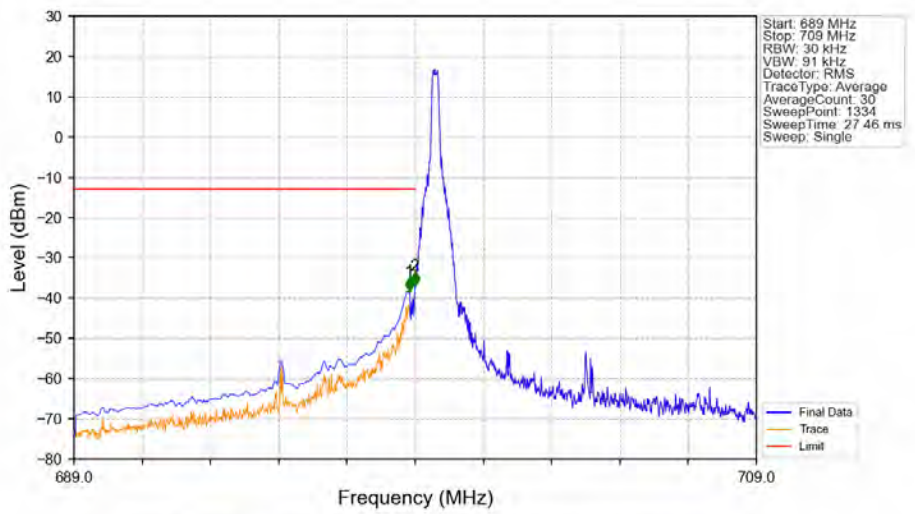

| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 706 | 716 | 0.03 | / | / | / | / | / | / |
| 716 | 716.1 | 0.03 | / | 1 | 716.008 | -33.58 | -13 | Pass |
| 716.1 | 726 | 0.1 | CHP | 2 | 716.158 | -36.97 | -13 | Pass |

Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



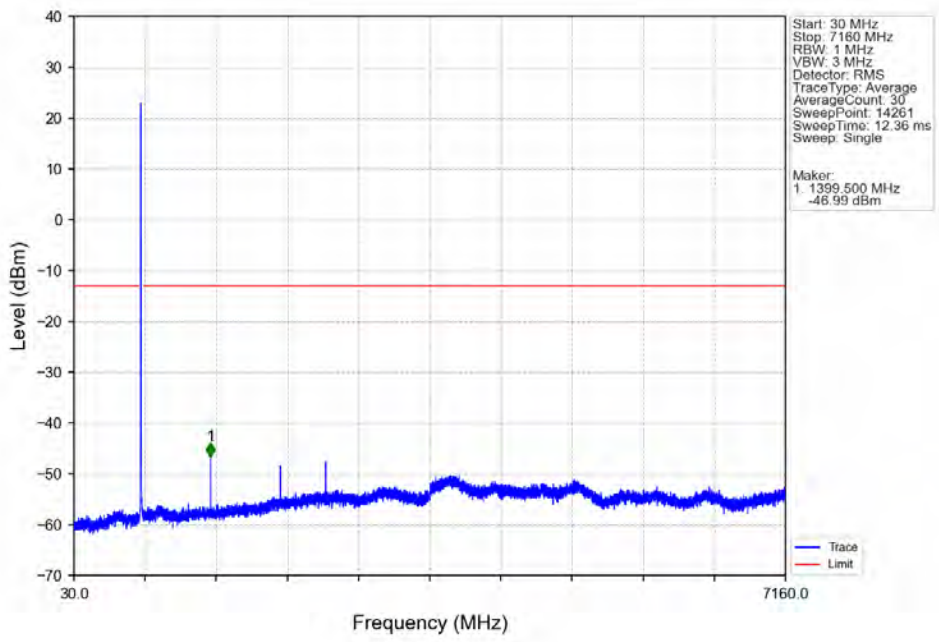

| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 706 | 716 | 0.03 | / | / | / | / | / | / |
| 716 | 716.1 | 0.03 | / | 1 | 716.023 | -35.82 | -13 | Pass |
| 716.1 | 726 | 0.1 | CHP | 2 | 716.173 | -34.14 | -13 | Pass |

Band12_10MHz_64QAM_LCH_704MHz_RB_1_0_NTNV

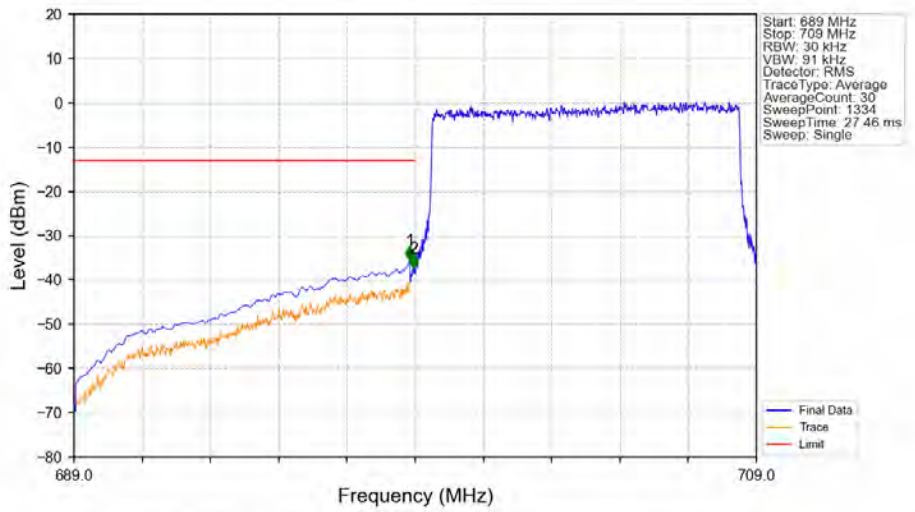



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 689 | 698.9 | 0.1 | CHP | 1 | 698.827 | -38.22 | -13 | Pass |
| 698.9 | 699 | 0.03 | / | 2 | 698.992 | -36.87 | -13 | Pass |
| 699 | 709 | 0.03 | / | / | / | / | / | / |

Band12_10MHz_64QAM_LCH_704MHz_RB_1_0_NTNV

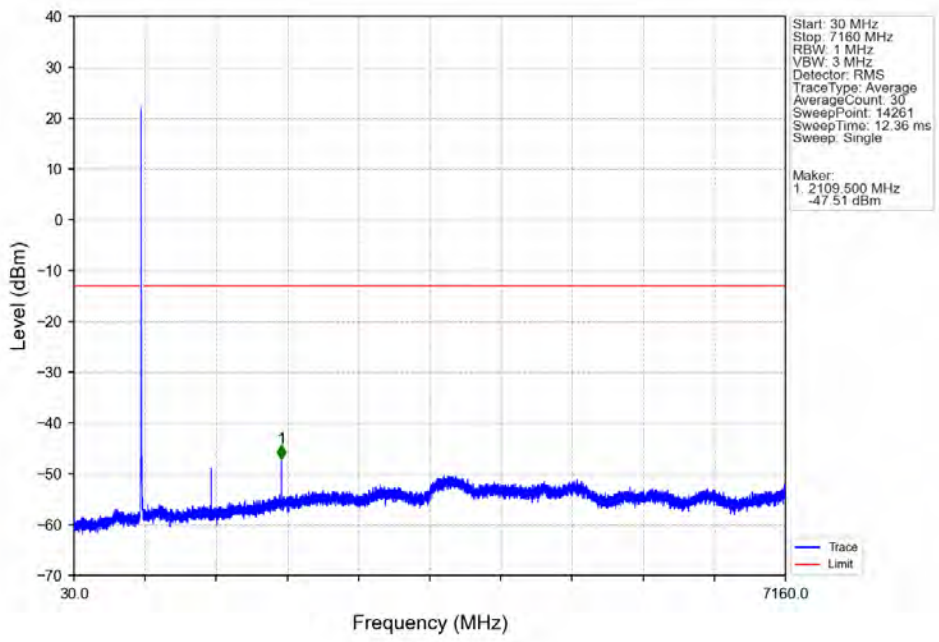


Band12_10MHz_64QAM_LCH_704MHz_RB_50_0_NTNV

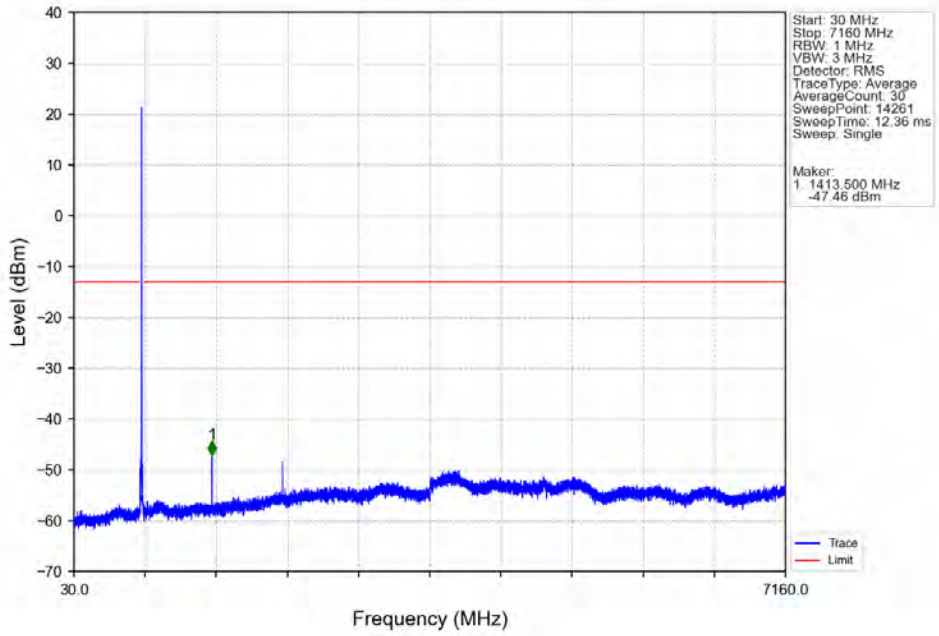



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 689 | 698.9 | 0.1 | CHP | 1 | 698.842 | -35.42 | -13 | Pass |
| 698.9 | 699 | 0.03 | / | 2 | 698.947 | -37.39 | -13 | Pass |
| 699 | 709 | 0.03 | / | / | / | / | / | / |

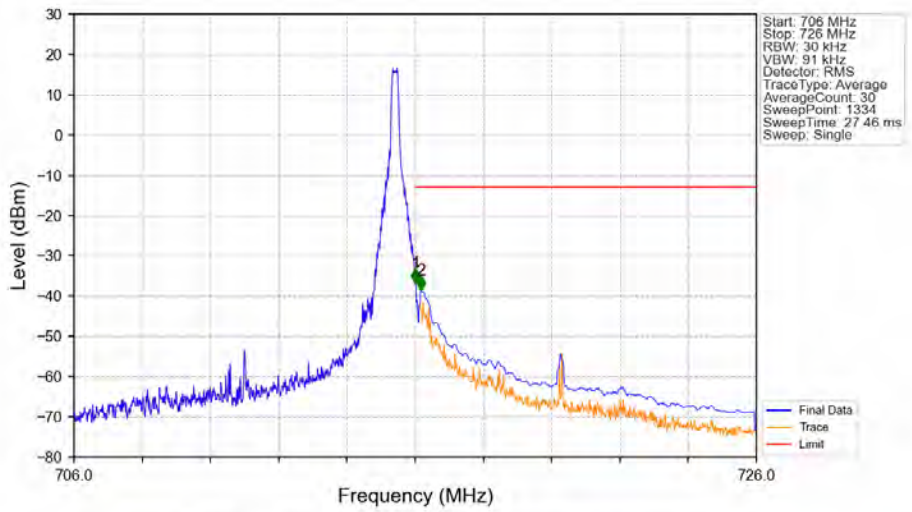
Band12_10MHz_64QAM_MCH_707.5MHz_RB_1_0_NTNV



Band12_10MHz_64QAM_HCH_711MHz_RB_1_0_NTNV

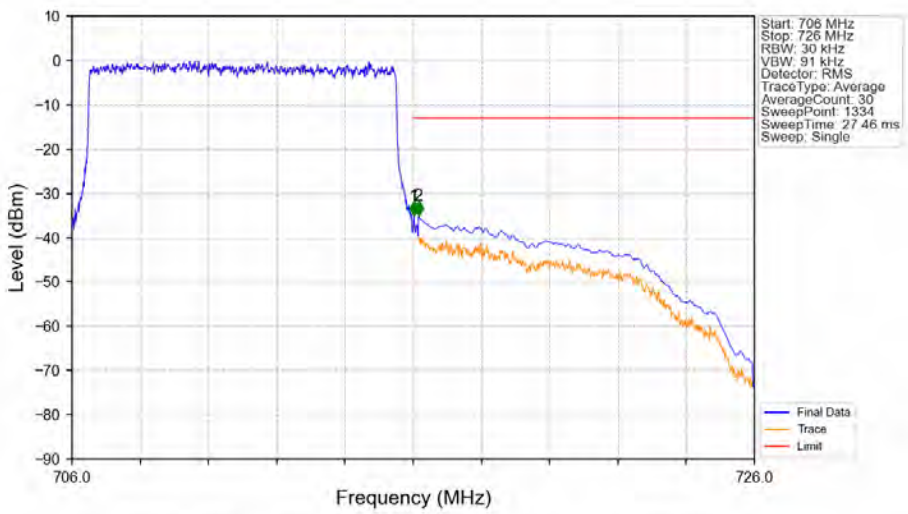



Band12_10MHz_64QAM_HCH_711MHz_RB_1_49_NTNV




| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 706 | 716 | 0.03 | / | / | / | / | / | / |
| 716 | 716.1 | 0.03 | / | 1 | 716.008 | -36.62 | -13 | Pass |
| 716.1 | 726 | 0.1 | CHP | 2 | 716.173 | -38.39 | -13 | Pass |

Band12_10MHz_64QAM_HCH_711MHz_RB_50_0_NTNV




| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 706 | 716 | 0.03 | / | / | / | / | / | / |
| 716 | 716.1 | 0.03 | / | 1 | 716.023 | -34.88 | -13 | Pass |
| 716.1 | 726 | 0.1 | CHP | 2 | 716.158 | -34.86 | -13 | Pass |

## 6. Field Strength of Spurious Radiation

| LTE Band 12 ANT1-Low channel, Modulation: QPSK, Bandwidth:10MHz, 1RB#0 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **Frequency (MHz)** | **EIRP (dBm)** | **Limit (dBm)** | **Over Limit (dB)** | **S.G. Power (dBm)** | **Cable Loss (dB)** | **Antenna Gain (dBi)** | **Polarization (H/V)** | **Result** |
| 1399.0 | -52.27 | -13 | -39.27 | -55.04 | 2.47 | 5.24 | Horizontal | Pass |
| 2098.5 | -69.12 | -13 | -56.12 | -71.19 | 2.79 | 4.86 | Horizontal | Pass |
| 2798.0 | -67.88 | -13 | -54.88 | -71.24 | 3.12 | 6.48 | Horizontal | Pass |
| 1399.0 | -52.84 | -13 | -39.84 | -55.61 | 2.47 | 5.24 | Vertical | Pass |
| 2098.5 | -69.95 | -13 | -56.95 | -72.02 | 2.79 | 4.86 | Vertical | Pass |
| 2798.0 | -68.4 | -13 | -55.4 | -71.76 | 3.12 | 6.48 | Vertical | Pass |

| LTE Band 12 ANT1-Middle channel, Modulation: QPSK, Bandwidth:10MHz, 1RB#0 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **Frequency (MHz)** | **EIRP (dBm)** | **Limit (dBm)** | **Over Limit (dB)** | **S.G. Power (dBm)** | **Cable Loss (dB)** | **Antenna Gain (dBi)** | **Polarization (H/V)** | **Result** |
| 1406.0 | -52.6 | -13 | -39.6 | -55.4 | 2.48 | 5.28 | Horizontal | Pass |
| 2109.0 | -69.69 | -13 | -56.69 | -71.77 | 2.8 | 4.88 | Horizontal | Pass |
| 2812.0 | -68.11 | -13 | -55.11 | -71.5 | 3.12 | 6.51 | Horizontal | Pass |
| 1406.0 | -54.21 | -13 | -41.21 | -57.01 | 2.48 | 5.28 | Vertical | Pass |
| 2109.0 | -69.86 | -13 | -56.86 | -71.94 | 2.8 | 4.88 | Vertical | Pass |
| 2812.0 | -68.46 | -13 | -55.46 | -71.85 | 3.12 | 6.51 | Vertical | Pass |

| LTE Band 12 ANT1-High channel, Modulation: QPSK, Bandwidth:10MHz, 1RB#0 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **Frequency (MHz)** | **EIRP (dBm)** | **Limit (dBm)** | **Over Limit (dB)** | **S.G. Power (dBm)** | **Cable Loss (dB)** | **Antenna Gain (dBi)** | **Polarization (H/V)** | **Result** |
| 1413.0 | -49.81 | -13 | -36.81 | -52.65 | 2.49 | 5.33 | Horizontal | Pass |
| 2119.5 | -69.8 | -13 | -56.8 | -71.9 | 2.81 | 4.91 | Horizontal | Pass |
| 2826.0 | -68.38 | -13 | -55.38 | -71.79 | 3.13 | 6.54 | Horizontal | Pass |
| 1413.0 | -50.19 | -13 | -37.19 | -53.03 | 2.49 | 5.33 | Vertical | Pass |
| 2119.5 | -69.52 | -13 | -56.52 | -71.62 | 2.81 | 4.91 | Vertical | Pass |
| 2826.0 | -68.13 | -13 | -55.13 | -71.54 | 3.13 | 6.54 | Vertical | Pass |