# 1. Effective (Isotropic) Radiated Power Output Data

## 1.1 B66_1.4MHz_EIRP

### 1.1.1 Test Result

| Band: 66 / Bandwidth: 1.4MHz / NTNV | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Conducted Power (dBm) | Gain (dBi) | EIRP (dBm) | | Verdict |
| | | Size | Offset | | | Result | Limit | |
| QPSK | 1710.7 | 1 | 0 | 23.83 | 3.09 | 26.92 | <=30 | Pass |
| | | | 2 | 23.76 | 3.09 | 26.85 | <=30 | Pass |
| | | | 5 | 23.80 | 3.09 | 26.89 | <=30 | Pass |
| | | 3 | 0 | 23.71 | 3.09 | 26.80 | <=30 | Pass |
| | | | 2 | 23.60 | 3.09 | 26.69 | <=30 | Pass |
| | | | 3 | 23.76 | 3.09 | 26.85 | <=30 | Pass |
| | | 6 | 0 | 22.68 | 3.09 | 25.77 | <=30 | Pass |
| | 1745 | 1 | 0 | 23.54 | 3.09 | 26.63 | <=30 | Pass |
| | | | 2 | 23.78 | 3.09 | 26.87 | <=30 | Pass |
| | | | 5 | 23.65 | 3.09 | 26.74 | <=30 | Pass |
| | | 3 | 0 | 23.64 | 3.09 | 26.73 | <=30 | Pass |
| | | | 2 | 23.66 | 3.09 | 26.75 | <=30 | Pass |
| | | | 3 | 23.56 | 3.09 | 26.65 | <=30 | Pass |
| | | 6 | 0 | 22.65 | 3.09 | 25.74 | <=30 | Pass |
| | 1779.3 | 1 | 0 | 24.01 | 3.09 | 27.10 | <=30 | Pass |
| | | | 2 | 24.20 | 3.09 | 27.29 | <=30 | Pass |
| | | | 5 | 24.20 | 3.09 | 27.29 | <=30 | Pass |
| | | 3 | 0 | 24.12 | 3.09 | 27.21 | <=30 | Pass |
| | | | 2 | 24.25 | 3.09 | 27.34 | <=30 | Pass |
| | | | 3 | 24.05 | 3.09 | 27.14 | <=30 | Pass |
| | | 6 | 0 | 23.08 | 3.09 | 26.17 | <=30 | Pass |
| 16QAM | 1710.7 | 1 | 0 | 22.85 | 3.09 | 25.94 | <=30 | Pass |
| | | | 2 | 23.36 | 3.09 | 26.45 | <=30 | Pass |
| | | | 5 | 23.32 | 3.09 | 26.41 | <=30 | Pass |
| | | 3 | 0 | 22.98 | 3.09 | 26.07 | <=30 | Pass |
| | | | 2 | 22.90 | 3.09 | 25.99 | <=30 | Pass |
| | | | 3 | 22.86 | 3.09 | 25.95 | <=30 | Pass |
| | | 6 | 0 | 21.70 | 3.09 | 24.79 | <=30 | Pass |
| | 1745 | 1 | 0 | 22.72 | 3.09 | 25.81 | <=30 | Pass |
| | | | 2 | 22.81 | 3.09 | 25.90 | <=30 | Pass |
| | | | 5 | 22.66 | 3.09 | 25.75 | <=30 | Pass |
| | | 3 | 0 | 22.67 | 3.09 | 25.76 | <=30 | Pass |
| | | | 2 | 22.72 | 3.09 | 25.81 | <=30 | Pass |
| | | | 3 | 22.67 | 3.09 | 25.76 | <=30 | Pass |
| | | 6 | 0 | 21.45 | 3.09 | 24.54 | <=30 | Pass |
| | 1779.3 | 1 | 0 | 23.25 | 3.09 | 26.34 | <=30 | Pass |
| | | | 2 | 23.32 | 3.09 | 26.41 | <=30 | Pass |
| | | | 5 | 23.17 | 3.09 | 26.26 | <=30 | Pass |
| | | 3 | 0 | 23.07 | 3.09 | 26.16 | <=30 | Pass |
| | | | 2 | 23.08 | 3.09 | 26.17 | <=30 | Pass |
| | | | 3 | 22.82 | 3.09 | 25.91 | <=30 | Pass |
| | | 6 | 0 | 21.96 | 3.09 | 25.05 | <=30 | Pass |
| 64QAM | 1710.7 | 1 | 0 | 21.59 | 3.09 | 24.68 | <=30 | Pass |
| | | | 2 | 21.56 | 3.09 | 24.65 | <=30 | Pass |
| | | | 5 | 21.44 | 3.09 | 24.53 | <=30 | Pass |
| | | 3 | 0 | 21.90 | 3.09 | 24.99 | <=30 | Pass |
| | | | 2 | 21.88 | 3.09 | 24.97 | <=30 | Pass |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | 3 | 21.85 | 3.09 | 24.94 | <=30 | Pass |
| | | 6 | 0 | 20.72 | 3.09 | 23.81 | <=30 | Pass |
| | 1745 | 1 | 0 | 21.52 | 3.09 | 24.61 | <=30 | Pass |
| | | | 2 | 21.54 | 3.09 | 24.63 | <=30 | Pass |
| | | | 5 | 21.59 | 3.09 | 24.68 | <=30 | Pass |
| | | 3 | 0 | 21.63 | 3.09 | 24.72 | <=30 | Pass |
| | | | 2 | 21.85 | 3.09 | 24.94 | <=30 | Pass |
| | | | 3 | 21.87 | 3.09 | 24.96 | <=30 | Pass |
| | | 6 | 0 | 20.63 | 3.09 | 23.72 | <=30 | Pass |
| | 1779.3 | 1 | 0 | 22.48 | 3.09 | 25.57 | <=30 | Pass |
| | | | 2 | 22.53 | 3.09 | 25.62 | <=30 | Pass |
| | | | 5 | 22.33 | 3.09 | 25.42 | <=30 | Pass |
| | | 3 | 0 | 22.22 | 3.09 | 25.31 | <=30 | Pass |
| | | | 2 | 22.48 | 3.09 | 25.57 | <=30 | Pass |
| | | | 3 | 22.16 | 3.09 | 25.25 | <=30 | Pass |
| | | 6 | 0 | 20.76 | 3.09 | 23.85 | <=30 | Pass |
| Note1: EIRP=Conducted Power+Antenna Gain | | | | | | | | |

## 1.2 B66_3MHz_EIRP

### 1.2.1 Test Result

| Band: 66 / Bandwidth: 3MHz / NTNV | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Conducted Power (dBm) | Gain (dBi) | EIRP (dBm) | | Verdict |
| | | Size | Offset | | | Result | Limit | |
| QPSK | 1711.5 | 1 | 0 | 23.62 | 3.09 | 26.71 | <=30 | Pass |
| | | | 7 | 23.92 | 3.09 | 27.01 | <=30 | Pass |
| | | | 14 | 23.49 | 3.09 | 26.58 | <=30 | Pass |
| | | 8 | 0 | 22.70 | 3.09 | 25.79 | <=30 | Pass |
| | | | 4 | 22.67 | 3.09 | 25.76 | <=30 | Pass |
| | | | 7 | 22.63 | 3.09 | 25.72 | <=30 | Pass |
| | | 15 | 0 | 22.68 | 3.09 | 25.77 | <=30 | Pass |
| | 1745 | 1 | 0 | 23.60 | 3.09 | 26.69 | <=30 | Pass |
| | | | 7 | 23.73 | 3.09 | 26.82 | <=30 | Pass |
| | | | 14 | 23.50 | 3.09 | 26.59 | <=30 | Pass |
| | | 8 | 0 | 22.49 | 3.09 | 25.58 | <=30 | Pass |
| | | | 4 | 22.72 | 3.09 | 25.81 | <=30 | Pass |
| | | | 7 | 22.61 | 3.09 | 25.70 | <=30 | Pass |
| | | 15 | 0 | 22.66 | 3.09 | 25.75 | <=30 | Pass |
| | 1778.5 | 1 | 0 | 24.20 | 3.09 | 27.29 | <=30 | Pass |
| | | | 7 | 24.31 | 3.09 | 27.40 | <=30 | Pass |
| | | | 14 | 24.13 | 3.09 | 27.22 | <=30 | Pass |
| | | 8 | 0 | 23.17 | 3.09 | 26.26 | <=30 | Pass |
| | | | 4 | 23.11 | 3.09 | 26.20 | <=30 | Pass |
| | | | 7 | 23.14 | 3.09 | 26.23 | <=30 | Pass |
| | | 15 | 0 | 23.21 | 3.09 | 26.30 | <=30 | Pass |
| 16QAM | 1711.5 | 1 | 0 | 23.12 | 3.09 | 26.21 | <=30 | Pass |
| | | | 7 | 23.18 | 3.09 | 26.27 | <=30 | Pass |
| | | | 14 | 22.88 | 3.09 | 25.97 | <=30 | Pass |
| | | 8 | 0 | 21.54 | 3.09 | 24.63 | <=30 | Pass |
| | | | 4 | 21.93 | 3.09 | 25.02 | <=30 | Pass |
| | | | 7 | 22.01 | 3.09 | 25.10 | <=30 | Pass |
| | | 15 | 0 | 21.68 | 3.09 | 24.77 | <=30 | Pass |
| | 1745 | 1 | 0 | 23.13 | 3.09 | 26.22 | <=30 | Pass |
| | | | 7 | 23.33 | 3.09 | 26.42 | <=30 | Pass |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | 14 | 22.99 | 3.09 | 26.08 | <=30 | Pass |
| | | 8 | 0 | 21.92 | 3.09 | 25.01 | <=30 | Pass |
| | | | 4 | 21.61 | 3.09 | 24.70 | <=30 | Pass |
| | | | 7 | 21.65 | 3.09 | 24.74 | <=30 | Pass |
| | | 15 | 0 | 21.63 | 3.09 | 24.72 | <=30 | Pass |
| | 1778.5 | 1 | 0 | 23.14 | 3.09 | 26.23 | <=30 | Pass |
| | | | 7 | 23.11 | 3.09 | 26.20 | <=30 | Pass |
| | | | 14 | 22.95 | 3.09 | 26.04 | <=30 | Pass |
| | | 8 | 0 | 22.03 | 3.09 | 25.12 | <=30 | Pass |
| | | | 4 | 22.00 | 3.09 | 25.09 | <=30 | Pass |
| | | | 7 | 21.96 | 3.09 | 25.05 | <=30 | Pass |
| | | 15 | 0 | 22.26 | 3.09 | 25.35 | <=30 | Pass |
| 64QAM | 1711.5 | 1 | 0 | 22.34 | 3.09 | 25.43 | <=30 | Pass |
| | | | 7 | 22.52 | 3.09 | 25.61 | <=30 | Pass |
| | | | 14 | 22.28 | 3.09 | 25.37 | <=30 | Pass |
| | | 8 | 0 | 20.97 | 3.09 | 24.06 | <=30 | Pass |
| | | | 4 | 20.96 | 3.09 | 24.05 | <=30 | Pass |
| | | | 7 | 21.02 | 3.09 | 24.11 | <=30 | Pass |
| | | 15 | 0 | 20.64 | 3.09 | 23.73 | <=30 | Pass |
| | 1745 | 1 | 0 | 21.59 | 3.09 | 24.68 | <=30 | Pass |
| | | | 7 | 21.57 | 3.09 | 24.66 | <=30 | Pass |
| | | | 14 | 21.45 | 3.09 | 24.54 | <=30 | Pass |
| | | 8 | 0 | 20.20 | 3.09 | 23.29 | <=30 | Pass |
| | | | 4 | 20.36 | 3.09 | 23.45 | <=30 | Pass |
| | | | 7 | 20.65 | 3.09 | 23.74 | <=30 | Pass |
| | | 15 | 0 | 20.72 | 3.09 | 23.81 | <=30 | Pass |
| | 1778.5 | 1 | 0 | 22.06 | 3.09 | 25.15 | <=30 | Pass |
| | | | 7 | 22.13 | 3.09 | 25.22 | <=30 | Pass |
| | | | 14 | 21.93 | 3.09 | 25.02 | <=30 | Pass |
| | | 8 | 0 | 21.17 | 3.09 | 24.26 | <=30 | Pass |
| | | | 4 | 21.12 | 3.09 | 24.21 | <=30 | Pass |
| | | | 7 | 21.10 | 3.09 | 24.19 | <=30 | Pass |
| | | 15 | 0 | 21.33 | 3.09 | 24.42 | <=30 | Pass |
| Note1: EIRP=Conducted Power+Antenna Gain | | | | | | | | |

## 1.3 B66_5MHz_EIRP

### 1.3.1 Test Result

| Band: 66 / Bandwidth: 5MHz / NTNV | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Conducted Power (dBm) | Gain (dBi) | EIRP (dBm) | | Verdict |
| | | Size | Offset | | | Result | Limit | |
| QPSK | 1712.5 | 1 | 0 | 23.50 | 3.09 | 26.59 | <=30 | Pass |
| | | | 13 | 23.58 | 3.09 | 26.67 | <=30 | Pass |
| | | | 24 | 23.30 | 3.09 | 26.39 | <=30 | Pass |
| | | 12 | 0 | 22.69 | 3.09 | 25.78 | <=30 | Pass |
| | | | 6 | 22.62 | 3.09 | 25.71 | <=30 | Pass |
| | | | 13 | 22.49 | 3.09 | 25.58 | <=30 | Pass |
| | | 25 | 0 | 22.52 | 3.09 | 25.61 | <=30 | Pass |
| | 1745 | 1 | 0 | 23.50 | 3.09 | 26.59 | <=30 | Pass |
| | | | 13 | 23.58 | 3.09 | 26.67 | <=30 | Pass |
| | | | 24 | 23.27 | 3.09 | 26.36 | <=30 | Pass |
| | | 12 | 0 | 22.76 | 3.09 | 25.85 | <=30 | Pass |
| | | | 6 | 22.74 | 3.09 | 25.83 | <=30 | Pass |
| | | | 13 | 22.61 | 3.09 | 25.70 | <=30 | Pass |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | 25 | 0 | 22.63 | 3.09 | 25.72 | <=30 | Pass |
| | 1777.5 | 1 | 0 | 23.90 | 3.09 | 26.99 | <=30 | Pass |
| | | | 13 | 24.15 | 3.09 | 27.24 | <=30 | Pass |
| | | | 24 | 23.81 | 3.09 | 26.90 | <=30 | Pass |
| | | 12 | 0 | 23.22 | 3.09 | 26.31 | <=30 | Pass |
| | | | 6 | 23.26 | 3.09 | 26.35 | <=30 | Pass |
| | | | 13 | 23.09 | 3.09 | 26.18 | <=30 | Pass |
| | | 25 | 0 | 23.16 | 3.09 | 26.25 | <=30 | Pass |
| 16QAM | 1712.5 | 1 | 0 | 22.30 | 3.09 | 25.39 | <=30 | Pass |
| | | | 13 | 22.19 | 3.09 | 25.28 | <=30 | Pass |
| | | | 24 | 22.13 | 3.09 | 25.22 | <=30 | Pass |
| | | 12 | 0 | 21.72 | 3.09 | 24.81 | <=30 | Pass |
| | | | 6 | 21.66 | 3.09 | 24.75 | <=30 | Pass |
| | | | 13 | 21.53 | 3.09 | 24.62 | <=30 | Pass |
| | | 25 | 0 | 21.61 | 3.09 | 24.70 | <=30 | Pass |
| | 1745 | 1 | 0 | 23.01 | 3.09 | 26.10 | <=30 | Pass |
| | | | 13 | 23.30 | 3.09 | 26.39 | <=30 | Pass |
| | | | 24 | 22.85 | 3.09 | 25.94 | <=30 | Pass |
| | | 12 | 0 | 21.67 | 3.09 | 24.76 | <=30 | Pass |
| | | | 6 | 21.59 | 3.09 | 24.68 | <=30 | Pass |
| | | | 13 | 21.63 | 3.09 | 24.72 | <=30 | Pass |
| | | 25 | 0 | 21.68 | 3.09 | 24.77 | <=30 | Pass |
| | 1777.5 | 1 | 0 | 23.11 | 3.09 | 26.20 | <=30 | Pass |
| | | | 13 | 23.29 | 3.09 | 26.38 | <=30 | Pass |
| | | | 24 | 22.93 | 3.09 | 26.02 | <=30 | Pass |
| | | 12 | 0 | 22.08 | 3.09 | 25.17 | <=30 | Pass |
| | | | 6 | 22.35 | 3.09 | 25.44 | <=30 | Pass |
| | | | 13 | 22.26 | 3.09 | 25.35 | <=30 | Pass |
| | | 25 | 0 | 22.18 | 3.09 | 25.27 | <=30 | Pass |
| 64QAM | 1712.5 | 1 | 0 | 21.66 | 3.09 | 24.75 | <=30 | Pass |
| | | | 13 | 21.44 | 3.09 | 24.53 | <=30 | Pass |
| | | | 24 | 21.52 | 3.09 | 24.61 | <=30 | Pass |
| | | 12 | 0 | 20.49 | 3.09 | 23.58 | <=30 | Pass |
| | | | 6 | 20.40 | 3.09 | 23.49 | <=30 | Pass |
| | | | 13 | 20.38 | 3.09 | 23.47 | <=30 | Pass |
| | | 25 | 0 | 20.68 | 3.09 | 23.77 | <=30 | Pass |
| | 1745 | 1 | 0 | 22.09 | 3.09 | 25.18 | <=30 | Pass |
| | | | 13 | 21.81 | 3.09 | 24.90 | <=30 | Pass |
| | | | 24 | 21.64 | 3.09 | 24.73 | <=30 | Pass |
| | | 12 | 0 | 20.99 | 3.09 | 24.08 | <=30 | Pass |
| | | | 6 | 20.74 | 3.09 | 23.83 | <=30 | Pass |
| | | | 13 | 20.58 | 3.09 | 23.67 | <=30 | Pass |
| | | 25 | 0 | 20.79 | 3.09 | 23.88 | <=30 | Pass |
| | 1777.5 | 1 | 0 | 21.57 | 3.09 | 24.66 | <=30 | Pass |
| | | | 13 | 21.66 | 3.09 | 24.75 | <=30 | Pass |
| | | | 24 | 21.60 | 3.09 | 24.69 | <=30 | Pass |
| | | 12 | 0 | 21.21 | 3.09 | 24.30 | <=30 | Pass |
| | | | 6 | 21.50 | 3.09 | 24.59 | <=30 | Pass |
| | | | 13 | 21.47 | 3.09 | 24.56 | <=30 | Pass |
| | | 25 | 0 | 21.33 | 3.09 | 24.42 | <=30 | Pass |
| Note1: EIRP=Conducted Power+Antenna Gain | | | | | | | | |

## 1.4 B66_10MHz_EIRP

### 1.4.1 Test Result

| Band: 66 / Bandwidth: 10MHz / NTNV | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Conducted Power (dBm) | Gain (dBi) | EIRP (dBm) | | Verdict |
| | | Size | Offset | | | Result | Limit | |
| QPSK | 1715 | 1 | 0 | 23.65 | 3.09 | 26.74 | <=30 | Pass |
| | | | 25 | 23.77 | 3.09 | 26.86 | <=30 | Pass |
| | | | 49 | 23.51 | 3.09 | 26.60 | <=30 | Pass |
| | | 25 | 0 | 22.63 | 3.09 | 25.72 | <=30 | Pass |
| | | | 13 | 22.62 | 3.09 | 25.71 | <=30 | Pass |
| | | | 25 | 22.62 | 3.09 | 25.71 | <=30 | Pass |
| | | 50 | 0 | 22.68 | 3.09 | 25.77 | <=30 | Pass |
| | 1745 | 1 | 0 | 23.62 | 3.09 | 26.71 | <=30 | Pass |
| | | | 25 | 23.86 | 3.09 | 26.95 | <=30 | Pass |
| | | | 49 | 23.47 | 3.09 | 26.56 | <=30 | Pass |
| | | 25 | 0 | 22.78 | 3.09 | 25.87 | <=30 | Pass |
| | | | 13 | 22.76 | 3.09 | 25.85 | <=30 | Pass |
| | | | 25 | 22.64 | 3.09 | 25.73 | <=30 | Pass |
| | | 50 | 0 | 22.68 | 3.09 | 25.77 | <=30 | Pass |
| | 1775 | 1 | 0 | 24.05 | 3.09 | 27.14 | <=30 | Pass |
| | | | 25 | 24.52 | 3.09 | 27.61 | <=30 | Pass |
| | | | 49 | 23.89 | 3.09 | 26.98 | <=30 | Pass |
| | | 25 | 0 | 23.12 | 3.09 | 26.21 | <=30 | Pass |
| | | | 13 | 23.26 | 3.09 | 26.35 | <=30 | Pass |
| | | | 25 | 23.13 | 3.09 | 26.22 | <=30 | Pass |
| | | 50 | 0 | 23.18 | 3.09 | 26.27 | <=30 | Pass |
| 16QAM | 1715 | 1 | 0 | 23.15 | 3.09 | 26.24 | <=30 | Pass |
| | | | 25 | 23.15 | 3.09 | 26.24 | <=30 | Pass |
| | | | 49 | 22.77 | 3.09 | 25.86 | <=30 | Pass |
| | | 25 | 0 | 21.70 | 3.09 | 24.79 | <=30 | Pass |
| | | | 13 | 21.70 | 3.09 | 24.79 | <=30 | Pass |
| | | | 25 | 21.78 | 3.09 | 24.87 | <=30 | Pass |
| | | 50 | 0 | 21.62 | 3.09 | 24.71 | <=30 | Pass |
| | 1745 | 1 | 0 | 23.21 | 3.09 | 26.30 | <=30 | Pass |
| | | | 25 | 23.21 | 3.09 | 26.30 | <=30 | Pass |
| | | | 49 | 22.98 | 3.09 | 26.07 | <=30 | Pass |
| | | 25 | 0 | 21.95 | 3.09 | 25.04 | <=30 | Pass |
| | | | 13 | 21.90 | 3.09 | 24.99 | <=30 | Pass |
| | | | 25 | 21.74 | 3.09 | 24.83 | <=30 | Pass |
| | | 50 | 0 | 21.65 | 3.09 | 24.74 | <=30 | Pass |
| | 1775 | 1 | 0 | 23.22 | 3.09 | 26.31 | <=30 | Pass |
| | | | 25 | 23.29 | 3.09 | 26.38 | <=30 | Pass |
| | | | 49 | 22.80 | 3.09 | 25.89 | <=30 | Pass |
| | | 25 | 0 | 22.24 | 3.09 | 25.33 | <=30 | Pass |
| | | | 13 | 22.38 | 3.09 | 25.47 | <=30 | Pass |
| | | | 25 | 22.21 | 3.09 | 25.30 | <=30 | Pass |
| | | 50 | 0 | 22.09 | 3.09 | 25.18 | <=30 | Pass |
| 64QAM | 1715 | 1 | 0 | 21.87 | 3.09 | 24.96 | <=30 | Pass |
| | | | 25 | 22.40 | 3.09 | 25.49 | <=30 | Pass |
| | | | 49 | 22.29 | 3.09 | 25.38 | <=30 | Pass |
| | | 25 | 0 | 20.71 | 3.09 | 23.80 | <=30 | Pass |
| | | | 13 | 20.72 | 3.09 | 23.81 | <=30 | Pass |
| | | | 25 | 20.78 | 3.09 | 23.87 | <=30 | Pass |
| | | 50 | 0 | 20.67 | 3.09 | 23.76 | <=30 | Pass |
| | 1745 | 1 | 0 | 21.68 | 3.09 | 24.77 | <=30 | Pass |
| | | | 25 | 21.86 | 3.09 | 24.95 | <=30 | Pass |
| | | | 49 | 21.34 | 3.09 | 24.43 | <=30 | Pass |
| | | 25 | 0 | 20.87 | 3.09 | 23.96 | <=30 | Pass |
| | | | 13 | 20.87 | 3.09 | 23.96 | <=30 | Pass |
| | | | 25 | 20.61 | 3.09 | 23.70 | <=30 | Pass |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | 50 | 0 | 20.82 | 3.09 | 23.91 | <=30 | Pass |
| | 1775 | 1 | 0 | 21.92 | 3.09 | 25.01 | <=30 | Pass |
| | | | 25 | 22.45 | 3.09 | 25.54 | <=30 | Pass |
| | | | 49 | 21.81 | 3.09 | 24.90 | <=30 | Pass |
| | | 25 | 0 | 21.17 | 3.09 | 24.26 | <=30 | Pass |
| | | | 13 | 21.26 | 3.09 | 24.35 | <=30 | Pass |
| | | | 25 | 21.15 | 3.09 | 24.24 | <=30 | Pass |
| | | 50 | 0 | 21.41 | 3.09 | 24.50 | <=30 | Pass |
| Note1: EIRP=Conducted Power+Antenna Gain | | | | | | | | |

## 1.5 B66_15MHz_EIRP

### 1.5.1 Test Result

| Band: 66 / Bandwidth: 15MHz / NTNV | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Conducted Power (dBm) | Gain (dBi) | EIRP (dBm) | | Verdict |
| | | Size | Offset | | | Result | Limit | |
| QPSK | 1717.5 | 1 | 0 | 23.74 | 3.09 | 26.83 | <=30 | Pass |
| | | | 38 | 23.73 | 3.09 | 26.82 | <=30 | Pass |
| | | | 74 | 23.51 | 3.09 | 26.60 | <=30 | Pass |
| | | 36 | 0 | 22.58 | 3.09 | 25.67 | <=30 | Pass |
| | | | 18 | 22.73 | 3.09 | 25.82 | <=30 | Pass |
| | | | 39 | 22.61 | 3.09 | 25.70 | <=30 | Pass |
| | | 75 | 0 | 22.65 | 3.09 | 25.74 | <=30 | Pass |
| | 1745 | 1 | 0 | 23.69 | 3.09 | 26.78 | <=30 | Pass |
| | | | 38 | 23.76 | 3.09 | 26.85 | <=30 | Pass |
| | | | 74 | 23.40 | 3.09 | 26.49 | <=30 | Pass |
| | | 36 | 0 | 22.79 | 3.09 | 25.88 | <=30 | Pass |
| | | | 18 | 22.81 | 3.09 | 25.90 | <=30 | Pass |
| | | | 39 | 22.53 | 3.09 | 25.62 | <=30 | Pass |
| | | 75 | 0 | 22.64 | 3.09 | 25.73 | <=30 | Pass |
| | 1772.5 | 1 | 0 | 23.89 | 3.09 | 26.98 | <=30 | Pass |
| | | | 38 | 24.20 | 3.09 | 27.29 | <=30 | Pass |
| | | | 74 | 23.92 | 3.09 | 27.01 | <=30 | Pass |
| | | 36 | 0 | 23.08 | 3.09 | 26.17 | <=30 | Pass |
| | | | 18 | 23.14 | 3.09 | 26.23 | <=30 | Pass |
| | | | 39 | 23.17 | 3.09 | 26.26 | <=30 | Pass |
| | | 75 | 0 | 23.11 | 3.09 | 26.20 | <=30 | Pass |
| 16QAM | 1717.5 | 1 | 0 | 23.28 | 3.09 | 26.37 | <=30 | Pass |
| | | | 38 | 23.85 | 3.09 | 26.94 | <=30 | Pass |
| | | | 74 | 23.09 | 3.09 | 26.18 | <=30 | Pass |
| | | 36 | 0 | 21.55 | 3.09 | 24.64 | <=30 | Pass |
| | | | 18 | 21.85 | 3.09 | 24.94 | <=30 | Pass |
| | | | 39 | 21.72 | 3.09 | 24.81 | <=30 | Pass |
| | | 75 | 0 | 21.69 | 3.09 | 24.78 | <=30 | Pass |
| | 1745 | 1 | 0 | 23.38 | 3.09 | 26.47 | <=30 | Pass |
| | | | 38 | 23.69 | 3.09 | 26.78 | <=30 | Pass |
| | | | 74 | 23.19 | 3.09 | 26.28 | <=30 | Pass |
| | | 36 | 0 | 21.83 | 3.09 | 24.92 | <=30 | Pass |
| | | | 18 | 21.88 | 3.09 | 24.97 | <=30 | Pass |
| | | | 39 | 21.60 | 3.09 | 24.69 | <=30 | Pass |
| | | 75 | 0 | 21.72 | 3.09 | 24.81 | <=30 | Pass |
| | 1772.5 | 1 | 0 | 23.37 | 3.09 | 26.46 | <=30 | Pass |
| | | | 38 | 23.09 | 3.09 | 26.18 | <=30 | Pass |
| | | | 74 | 22.70 | 3.09 | 25.79 | <=30 | Pass |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | 36 | 0 | 22.12 | 3.09 | 25.21 | <=30 | Pass |
| | | | 18 | 22.22 | 3.09 | 25.31 | <=30 | Pass |
| | | | 39 | 22.05 | 3.09 | 25.14 | <=30 | Pass |
| | | 75 | 0 | 22.09 | 3.09 | 25.18 | <=30 | Pass |
| 64QAM | 1717.5 | 1 | 0 | 22.16 | 3.09 | 25.25 | <=30 | Pass |
| | | | 38 | 22.36 | 3.09 | 25.45 | <=30 | Pass |
| | | | 74 | 22.26 | 3.09 | 25.35 | <=30 | Pass |
| | | 36 | 0 | 20.78 | 3.09 | 23.87 | <=30 | Pass |
| | | | 18 | 20.88 | 3.09 | 23.97 | <=30 | Pass |
| | | | 39 | 20.84 | 3.09 | 23.93 | <=30 | Pass |
| | | 75 | 0 | 20.71 | 3.09 | 23.80 | <=30 | Pass |
| | 1745 | 1 | 0 | 21.58 | 3.09 | 24.67 | <=30 | Pass |
| | | | 38 | 21.65 | 3.09 | 24.74 | <=30 | Pass |
| | | | 74 | 21.35 | 3.09 | 24.44 | <=30 | Pass |
| | | 36 | 0 | 20.93 | 3.09 | 24.02 | <=30 | Pass |
| | | | 18 | 20.97 | 3.09 | 24.06 | <=30 | Pass |
| | | | 39 | 20.65 | 3.09 | 23.74 | <=30 | Pass |
| | | 75 | 0 | 20.75 | 3.09 | 23.84 | <=30 | Pass |
| | 1772.5 | 1 | 0 | 22.37 | 3.09 | 25.46 | <=30 | Pass |
| | | | 38 | 22.49 | 3.09 | 25.58 | <=30 | Pass |
| | | | 74 | 22.00 | 3.09 | 25.09 | <=30 | Pass |
| | | 36 | 0 | 21.16 | 3.09 | 24.25 | <=30 | Pass |
| | | | 18 | 21.22 | 3.09 | 24.31 | <=30 | Pass |
| | | | 39 | 21.26 | 3.09 | 24.35 | <=30 | Pass |
| | | 75 | 0 | 21.09 | 3.09 | 24.18 | <=30 | Pass |
| Note1: EIRP=Conducted Power+Antenna Gain | | | | | | | | |

## 1.6 B66_20MHz_EIRP

### 1.6.1 Test Result

| Band: 66 / Bandwidth: 20MHz / NTNV | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Conducted Power (dBm) | Gain (dBi) | EIRP (dBm) | | Verdict |
| | | Size | Offset | | | Result | Limit | |
| QPSK | 1720 | 1 | 0 | 23.56 | 3.09 | 26.65 | <=30 | Pass |
| | | | 50 | 23.66 | 3.09 | 26.75 | <=30 | Pass |
| | | | 99 | 23.45 | 3.09 | 26.54 | <=30 | Pass |
| | | 50 | 0 | 22.61 | 3.09 | 25.70 | <=30 | Pass |
| | | | 25 | 22.75 | 3.09 | 25.84 | <=30 | Pass |
| | | | 50 | 22.53 | 3.09 | 25.62 | <=30 | Pass |
| | | 100 | 0 | 22.68 | 3.09 | 25.77 | <=30 | Pass |
| | 1745 | 1 | 0 | 23.97 | 3.09 | 27.06 | <=30 | Pass |
| | | | 50 | 23.96 | 3.09 | 27.05 | <=30 | Pass |
| | | | 99 | 23.59 | 3.09 | 26.68 | <=30 | Pass |
| | | 50 | 0 | 22.79 | 3.09 | 25.88 | <=30 | Pass |
| | | | 25 | 22.70 | 3.09 | 25.79 | <=30 | Pass |
| | | | 50 | 22.60 | 3.09 | 25.69 | <=30 | Pass |
| | | 100 | 0 | 22.66 | 3.09 | 25.75 | <=30 | Pass |
| | 1770 | 1 | 0 | 23.60 | 3.09 | 26.69 | <=30 | Pass |
| | | | 50 | 24.45 | 3.09 | 27.54 | <=30 | Pass |
| | | | 99 | 23.95 | 3.09 | 27.04 | <=30 | Pass |
| | | 50 | 0 | 23.01 | 3.09 | 26.10 | <=30 | Pass |
| | | | 25 | 23.13 | 3.09 | 26.22 | <=30 | Pass |
| | | | 50 | 23.16 | 3.09 | 26.25 | <=30 | Pass |
| | | 100 | 0 | 23.10 | 3.09 | 26.19 | <=30 | Pass |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 16QAM | 1720 | 1 | 0 | 23.07 | 3.09 | 26.16 | <=30 | Pass |
| | | | 50 | 23.56 | 3.09 | 26.65 | <=30 | Pass |
| | | | 99 | 22.93 | 3.09 | 26.02 | <=30 | Pass |
| | | 50 | 0 | 21.69 | 3.09 | 24.78 | <=30 | Pass |
| | | | 25 | 21.85 | 3.09 | 24.94 | <=30 | Pass |
| | | | 50 | 21.82 | 3.09 | 24.91 | <=30 | Pass |
| | | 100 | 0 | 21.80 | 3.09 | 24.89 | <=30 | Pass |
| | 1745 | 1 | 0 | 22.92 | 3.09 | 26.01 | <=30 | Pass |
| | | | 50 | 22.81 | 3.09 | 25.90 | <=30 | Pass |
| | | | 99 | 22.25 | 3.09 | 25.34 | <=30 | Pass |
| | | 50 | 0 | 21.79 | 3.09 | 24.88 | <=30 | Pass |
| | | | 25 | 21.83 | 3.09 | 24.92 | <=30 | Pass |
| | | | 50 | 21.66 | 3.09 | 24.75 | <=30 | Pass |
| | | 100 | 0 | 21.72 | 3.09 | 24.81 | <=30 | Pass |
| | 1770 | 1 | 0 | 23.70 | 3.09 | 26.79 | <=30 | Pass |
| | | | 50 | 24.39 | 3.09 | 27.48 | <=30 | Pass |
| | | | 99 | 23.83 | 3.09 | 26.92 | <=30 | Pass |
| | | 50 | 0 | 21.84 | 3.09 | 24.93 | <=30 | Pass |
| | | | 25 | 22.09 | 3.09 | 25.18 | <=30 | Pass |
| | | | 50 | 22.08 | 3.09 | 25.17 | <=30 | Pass |
| | | 100 | 0 | 22.09 | 3.09 | 25.18 | <=30 | Pass |
| 64QAM | 1720 | 1 | 0 | 22.11 | 3.09 | 25.20 | <=30 | Pass |
| | | | 50 | 22.26 | 3.09 | 25.35 | <=30 | Pass |
| | | | 99 | 21.64 | 3.09 | 24.73 | <=30 | Pass |
| | | 50 | 0 | 20.74 | 3.09 | 23.83 | <=30 | Pass |
| | | | 25 | 20.83 | 3.09 | 23.92 | <=30 | Pass |
| | | | 50 | 20.81 | 3.09 | 23.90 | <=30 | Pass |
| | | 100 | 0 | 20.71 | 3.09 | 23.80 | <=30 | Pass |
| | 1745 | 1 | 0 | 22.36 | 3.09 | 25.45 | <=30 | Pass |
| | | | 50 | 22.26 | 3.09 | 25.35 | <=30 | Pass |
| | | | 99 | 22.22 | 3.09 | 25.31 | <=30 | Pass |
| | | 50 | 0 | 20.80 | 3.09 | 23.89 | <=30 | Pass |
| | | | 25 | 20.69 | 3.09 | 23.78 | <=30 | Pass |
| | | | 50 | 20.65 | 3.09 | 23.74 | <=30 | Pass |
| | | 100 | 0 | 20.63 | 3.09 | 23.72 | <=30 | Pass |
| | 1770 | 1 | 0 | 22.11 | 3.09 | 25.20 | <=30 | Pass |
| | | | 50 | 22.75 | 3.09 | 25.84 | <=30 | Pass |
| | | | 99 | 22.21 | 3.09 | 25.30 | <=30 | Pass |
| | | 50 | 0 | 20.94 | 3.09 | 24.03 | <=30 | Pass |
| | | | 25 | 21.26 | 3.09 | 24.35 | <=30 | Pass |
| | | | 50 | 21.25 | 3.09 | 24.34 | <=30 | Pass |
| | | 100 | 0 | 21.07 | 3.09 | 24.16 | <=30 | Pass |
| Note1: EIRP=Conducted Power+Antenna Gain | | | | | | | | |

# 2. Frequency Stability

## 2.1 B66_1.4MHz

### 2.1.1 Test Result

| Band: 66 / Bandwidth: 1.4MHz | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Temp. (°C) | Voltage (VAC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) | | Verdict |
| | | Size | Offset | | | | Result | Limit | |
| QPSK | 1710.7 | 6 | 0 | 20 | 102 | -3.375 | -0.0020 | -2.5 to 2.5 | Pass |
| | | | | | 120 | -2.991 | -0.0017 | -2.5 to 2.5 | Pass |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | 138 | -2.809 | -0.0016 | -2.5 to 2.5 | Pass |
| | | | | -30 | 120 | -3.543 | -0.0021 | -2.5 to 2.5 | Pass |
| | | | | -20 | 120 | -2.376 | -0.0014 | -2.5 to 2.5 | Pass |
| | | | | -10 | 120 | -1.909 | -0.0011 | -2.5 to 2.5 | Pass |
| | | | | 0 | 120 | -2.589 | -0.0015 | -2.5 to 2.5 | Pass |
| | | | | 10 | 120 | -2.026 | -0.0012 | -2.5 to 2.5 | Pass |
| | | | | 30 | 120 | -1.736 | -0.0010 | -2.5 to 2.5 | Pass |
| | | | | 40 | 120 | -0.874 | -0.0005 | -2.5 to 2.5 | Pass |
| | | | | 50 | 120 | -1.236 | -0.0007 | -2.5 to 2.5 | Pass |
| | 1745 | 6 | 0 | 20 | 102 | -7.062 | -0.0040 | -2.5 to 2.5 | Pass |
| | | | | | 120 | -6.078 | -0.0035 | -2.5 to 2.5 | Pass |
| | | | | | 138 | -5.201 | -0.0030 | -2.5 to 2.5 | Pass |
| | | | | -30 | 120 | -4.919 | -0.0028 | -2.5 to 2.5 | Pass |
| | | | | -20 | 120 | -4.828 | -0.0028 | -2.5 to 2.5 | Pass |
| | | | | -10 | 120 | -5.097 | -0.0029 | -2.5 to 2.5 | Pass |
| | | | | 0 | 120 | -4.873 | -0.0028 | -2.5 to 2.5 | Pass |
| | | | | 10 | 120 | -3.833 | -0.0022 | -2.5 to 2.5 | Pass |
| | | | | 30 | 120 | -3.726 | -0.0021 | -2.5 to 2.5 | Pass |
| | | | | 40 | 120 | -4.259 | -0.0024 | -2.5 to 2.5 | Pass |
| | | | | 50 | 120 | -3.636 | -0.0021 | -2.5 to 2.5 | Pass |
| | 1779.3 | 6 | 0 | 20 | 102 | -9.139 | -0.0051 | -2.5 to 2.5 | Pass |
| | | | | | 120 | -8.449 | -0.0047 | -2.5 to 2.5 | Pass |
| | | | | | 138 | -8.307 | -0.0047 | -2.5 to 2.5 | Pass |
| | | | | -30 | 120 | -6.499 | -0.0037 | -2.5 to 2.5 | Pass |
| | | | | -20 | 120 | -8.059 | -0.0045 | -2.5 to 2.5 | Pass |
| | | | | -10 | 120 | -6.333 | -0.0036 | -2.5 to 2.5 | Pass |
| | | | | 0 | 120 | -6.249 | -0.0035 | -2.5 to 2.5 | Pass |
| | | | | 10 | 120 | -6.482 | -0.0036 | -2.5 to 2.5 | Pass |
| | | | | 30 | 120 | -6.218 | -0.0035 | -2.5 to 2.5 | Pass |
| | | | | 40 | 120 | -4.868 | -0.0027 | -2.5 to 2.5 | Pass |
| | | | | 50 | 120 | -5.061 | -0.0028 | -2.5 to 2.5 | Pass |
| 16QAM | 1710.7 | 6 | 0 | 20 | 102 | -2.389 | -0.0014 | -2.5 to 2.5 | Pass |
| | | | | | 120 | -2.116 | -0.0012 | -2.5 to 2.5 | Pass |
| | | | | | 138 | -1.955 | -0.0011 | -2.5 to 2.5 | Pass |
| | | | | -30 | 120 | -1.826 | -0.0011 | -2.5 to 2.5 | Pass |
| | | | | -20 | 120 | -2.257 | -0.0013 | -2.5 to 2.5 | Pass |
| | | | | -10 | 120 | -1.874 | -0.0011 | -2.5 to 2.5 | Pass |
| | | | | 0 | 120 | -1.740 | -0.0010 | -2.5 to 2.5 | Pass |
| | | | | 10 | 120 | -2.047 | -0.0012 | -2.5 to 2.5 | Pass |
| | | | | 30 | 120 | -2.025 | -0.0012 | -2.5 to 2.5 | Pass |
| | | | | 40 | 120 | -1.633 | -0.0010 | -2.5 to 2.5 | Pass |
| | | | | 50 | 120 | -1.554 | -0.0009 | -2.5 to 2.5 | Pass |
| | 1745 | 6 | 0 | 20 | 102 | -2.524 | -0.0014 | -2.5 to 2.5 | Pass |
| | | | | | 120 | -2.747 | -0.0016 | -2.5 to 2.5 | Pass |
| | | | | | 138 | -2.862 | -0.0016 | -2.5 to 2.5 | Pass |
| | | | | -30 | 120 | -3.060 | -0.0018 | -2.5 to 2.5 | Pass |
| | | | | -20 | 120 | -3.175 | -0.0018 | -2.5 to 2.5 | Pass |
| | | | | -10 | 120 | -2.754 | -0.0016 | -2.5 to 2.5 | Pass |
| | | | | 0 | 120 | -2.339 | -0.0013 | -2.5 to 2.5 | Pass |
| | | | | 10 | 120 | -1.238 | -0.0007 | -2.5 to 2.5 | Pass |
| | | | | 30 | 120 | -0.945 | -0.0005 | -2.5 to 2.5 | Pass |
| | | | | 40 | 120 | -1.496 | -0.0009 | -2.5 to 2.5 | Pass |
| | | | | 50 | 120 | -1.217 | -0.0007 | -2.5 to 2.5 | Pass |
| | 1779.3 | 6 | 0 | 20 | 102 | -3.696 | -0.0021 | -2.5 to 2.5 | Pass |
| | | | | | 120 | -3.685 | -0.0021 | -2.5 to 2.5 | Pass |
| | | | | | 138 | -3.905 | -0.0022 | -2.5 to 2.5 | Pass |
| | | | | -30 | 120 | -3.873 | -0.0022 | -2.5 to 2.5 | Pass |
| | | | | -20 | 120 | -4.748 | -0.0027 | -2.5 to 2.5 | Pass |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | -10 | 120 | -4.233 | -0.0024 | -2.5 to 2.5 | Pass |
| | | | | 0 | 120 | -2.970 | -0.0017 | -2.5 to 2.5 | Pass |
| | | | | 10 | 120 | -4.259 | -0.0024 | -2.5 to 2.5 | Pass |
| | | | | 30 | 120 | -4.071 | -0.0023 | -2.5 to 2.5 | Pass |
| | | | | 40 | 120 | -3.113 | -0.0017 | -2.5 to 2.5 | Pass |
| | | | | 50 | 120 | -3.110 | -0.0017 | -2.5 to 2.5 | Pass |
| 64QAM | 1710.7 | 6 | 0 | 20 | 102 | -1.615 | -0.0009 | -2.5 to 2.5 | Pass |
| | | | | | 120 | -2.085 | -0.0012 | -2.5 to 2.5 | Pass |
| | | | | | 138 | -2.959 | -0.0017 | -2.5 to 2.5 | Pass |
| | | | | -30 | 120 | -0.859 | -0.0005 | -2.5 to 2.5 | Pass |
| | | | | -20 | 120 | -2.071 | -0.0012 | -2.5 to 2.5 | Pass |
| | | | | -10 | 120 | -2.736 | -0.0016 | -2.5 to 2.5 | Pass |
| | | | | 0 | 120 | -2.263 | -0.0013 | -2.5 to 2.5 | Pass |
| | | | | 10 | 120 | -2.235 | -0.0013 | -2.5 to 2.5 | Pass |
| | | | | 30 | 120 | -2.716 | -0.0016 | -2.5 to 2.5 | Pass |
| | | | | 40 | 120 | -1.405 | -0.0008 | -2.5 to 2.5 | Pass |
| | | | | 50 | 120 | -1.970 | -0.0012 | -2.5 to 2.5 | Pass |
| | 1745 | 6 | 0 | 20 | 102 | -2.495 | -0.0014 | -2.5 to 2.5 | Pass |
| | | | | | 120 | -2.469 | -0.0014 | -2.5 to 2.5 | Pass |
| | | | | | 138 | -1.444 | -0.0008 | -2.5 to 2.5 | Pass |
| | | | | -30 | 120 | -1.566 | -0.0009 | -2.5 to 2.5 | Pass |
| | | | | -20 | 120 | -3.175 | -0.0018 | -2.5 to 2.5 | Pass |
| | | | | -10 | 120 | -2.555 | -0.0015 | -2.5 to 2.5 | Pass |
| | | | | 0 | 120 | -0.995 | -0.0006 | -2.5 to 2.5 | Pass |
| | | | | 10 | 120 | -1.415 | -0.0008 | -2.5 to 2.5 | Pass |
| | | | | 30 | 120 | -0.511 | -0.0003 | -2.5 to 2.5 | Pass |
| | | | | 40 | 120 | -3.390 | -0.0019 | -2.5 to 2.5 | Pass |
| | | | | 50 | 120 | -1.793 | -0.0010 | -2.5 to 2.5 | Pass |
| | 1779.3 | 6 | 0 | 20 | 102 | -3.391 | -0.0019 | -2.5 to 2.5 | Pass |
| | | | | | 120 | -4.718 | -0.0027 | -2.5 to 2.5 | Pass |
| | | | | | 138 | -4.565 | -0.0026 | -2.5 to 2.5 | Pass |
| | | | | -30 | 120 | -3.780 | -0.0021 | -2.5 to 2.5 | Pass |
| | | | | -20 | 120 | -4.713 | -0.0026 | -2.5 to 2.5 | Pass |
| | | | | -10 | 120 | -4.370 | -0.0025 | -2.5 to 2.5 | Pass |
| | | | | 0 | 120 | -3.859 | -0.0022 | -2.5 to 2.5 | Pass |
| | | | | 10 | 120 | -3.638 | -0.0020 | -2.5 to 2.5 | Pass |
| | | | | 30 | 120 | -4.044 | -0.0023 | -2.5 to 2.5 | Pass |
| | | | | 40 | 120 | -3.541 | -0.0020 | -2.5 to 2.5 | Pass |
| | | | | 50 | 120 | -3.519 | -0.0020 | -2.5 to 2.5 | Pass |

## 2.2 B66_3MHz

### 2.2.1 Test Result

| Band: 66 / Bandwidth: 3MHz | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Temp. (°C) | Voltage (VAC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) | | Verdict |
| | | Size | Offset | | | | Result | Limit | |
| QPSK | 1711.5 | 15 | 0 | 20 | 102 | 3.947 | 0.0023 | -2.5 to 2.5 | Pass |
| | | | | | 120 | 4.277 | 0.0025 | -2.5 to 2.5 | Pass |
| | | | | | 138 | 4.624 | 0.0027 | -2.5 to 2.5 | Pass |
| | | | | -30 | 120 | 3.837 | 0.0022 | -2.5 to 2.5 | Pass |
| | | | | -20 | 120 | 4.517 | 0.0026 | -2.5 to 2.5 | Pass |
| | | | | -10 | 120 | 4.530 | 0.0026 | -2.5 to 2.5 | Pass |
| | | | | 0 | 120 | 4.730 | 0.0028 | -2.5 to 2.5 | Pass |
| | | | | 10 | 120 | 4.947 | 0.0029 | -2.5 to 2.5 | Pass |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | 30 | 120 | 4.766 | 0.0028 | -2.5 to 2.5 | Pass |
| | | | | 40 | 120 | 5.151 | 0.0030 | -2.5 to 2.5 | Pass |
| | | | | 50 | 120 | 6.218 | 0.0036 | -2.5 to 2.5 | Pass |
| | 1745 | 15 | 0 | 20 | 102 | -1.846 | -0.0011 | -2.5 to 2.5 | Pass |
| | | | | | 120 | -1.412 | -0.0008 | -2.5 to 2.5 | Pass |
| | | | | | 138 | -0.787 | -0.0005 | -2.5 to 2.5 | Pass |
| | | | | -30 | 120 | -2.055 | -0.0012 | -2.5 to 2.5 | Pass |
| | | | | -20 | 120 | -2.192 | -0.0013 | -2.5 to 2.5 | Pass |
| | | | | -10 | 120 | -1.230 | -0.0007 | -2.5 to 2.5 | Pass |
| | | | | 0 | 120 | -0.887 | -0.0005 | -2.5 to 2.5 | Pass |
| | | | | 10 | 120 | -0.852 | -0.0005 | -2.5 to 2.5 | Pass |
| | | | | 30 | 120 | -1.935 | -0.0011 | -2.5 to 2.5 | Pass |
| | | | | 40 | 120 | -2.484 | -0.0014 | -2.5 to 2.5 | Pass |
| | | | | 50 | 120 | -1.928 | -0.0011 | -2.5 to 2.5 | Pass |
| | 1778.5 | 15 | 0 | 20 | 102 | 4.708 | 0.0026 | -2.5 to 2.5 | Pass |
| | | | | | 120 | 3.615 | 0.0020 | -2.5 to 2.5 | Pass |
| | | | | | 138 | 4.029 | 0.0023 | -2.5 to 2.5 | Pass |
| | | | | -30 | 120 | 6.082 | 0.0034 | -2.5 to 2.5 | Pass |
| | | | | -20 | 120 | 4.295 | 0.0024 | -2.5 to 2.5 | Pass |
| | | | | -10 | 120 | 5.264 | 0.0030 | -2.5 to 2.5 | Pass |
| | | | | 0 | 120 | 4.368 | 0.0025 | -2.5 to 2.5 | Pass |
| | | | | 10 | 120 | 6.022 | 0.0034 | -2.5 to 2.5 | Pass |
| | | | | 30 | 120 | 4.981 | 0.0028 | -2.5 to 2.5 | Pass |
| | | | | 40 | 120 | 4.318 | 0.0024 | -2.5 to 2.5 | Pass |
| | | | | 50 | 120 | 4.921 | 0.0028 | -2.5 to 2.5 | Pass |
| 16QAM | 1711.5 | 15 | 0 | 20 | 102 | 5.276 | 0.0031 | -2.5 to 2.5 | Pass |
| | | | | | 120 | 2.780 | 0.0016 | -2.5 to 2.5 | Pass |
| | | | | | 138 | 3.701 | 0.0022 | -2.5 to 2.5 | Pass |
| | | | | -30 | 120 | 4.806 | 0.0028 | -2.5 to 2.5 | Pass |
| | | | | -20 | 120 | 2.941 | 0.0017 | -2.5 to 2.5 | Pass |
| | | | | -10 | 120 | 4.458 | 0.0026 | -2.5 to 2.5 | Pass |
| | | | | 0 | 120 | 4.381 | 0.0026 | -2.5 to 2.5 | Pass |
| | | | | 10 | 120 | 4.158 | 0.0024 | -2.5 to 2.5 | Pass |
| | | | | 30 | 120 | 4.972 | 0.0029 | -2.5 to 2.5 | Pass |
| | | | | 40 | 120 | 3.754 | 0.0022 | -2.5 to 2.5 | Pass |
| | | | | 50 | 120 | 4.777 | 0.0028 | -2.5 to 2.5 | Pass |
| | 1745 | 15 | 0 | 20 | 102 | -1.732 | -0.0010 | -2.5 to 2.5 | Pass |
| | | | | | 120 | -1.843 | -0.0011 | -2.5 to 2.5 | Pass |
| | | | | | 138 | -2.027 | -0.0012 | -2.5 to 2.5 | Pass |
| | | | | -30 | 120 | -2.789 | -0.0016 | -2.5 to 2.5 | Pass |
| | | | | -20 | 120 | -2.723 | -0.0016 | -2.5 to 2.5 | Pass |
| | | | | -10 | 120 | -2.314 | -0.0013 | -2.5 to 2.5 | Pass |
| | | | | 0 | 120 | -2.533 | -0.0015 | -2.5 to 2.5 | Pass |
| | | | | 10 | 120 | -2.764 | -0.0016 | -2.5 to 2.5 | Pass |
| | | | | 30 | 120 | -2.792 | -0.0016 | -2.5 to 2.5 | Pass |
| | | | | 40 | 120 | -2.915 | -0.0017 | -2.5 to 2.5 | Pass |
| | | | | 50 | 120 | -1.711 | -0.0010 | -2.5 to 2.5 | Pass |
| | 1778.5 | 15 | 0 | 20 | 102 | 4.906 | 0.0028 | -2.5 to 2.5 | Pass |
| | | | | | 120 | 4.436 | 0.0025 | -2.5 to 2.5 | Pass |
| | | | | | 138 | 3.689 | 0.0021 | -2.5 to 2.5 | Pass |
| | | | | -30 | 120 | 5.224 | 0.0029 | -2.5 to 2.5 | Pass |
| | | | | -20 | 120 | 4.098 | 0.0023 | -2.5 to 2.5 | Pass |
| | | | | -10 | 120 | 4.118 | 0.0023 | -2.5 to 2.5 | Pass |
| | | | | 0 | 120 | 3.825 | 0.0022 | -2.5 to 2.5 | Pass |
| | | | | 10 | 120 | 3.236 | 0.0018 | -2.5 to 2.5 | Pass |
| | | | | 30 | 120 | 3.810 | 0.0021 | -2.5 to 2.5 | Pass |
| | | | | 40 | 120 | 4.737 | 0.0027 | -2.5 to 2.5 | Pass |
| | | | | 50 | 120 | 4.658 | 0.0026 | -2.5 to 2.5 | Pass |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 64QAM | 1711.5 | 15 | 0 | 20 | 102 | 4.423 | 0.0026 | -2.5 to 2.5 | Pass |
| | | | | | 120 | 4.563 | 0.0027 | -2.5 to 2.5 | Pass |
| | | | | | 138 | 5.746 | 0.0034 | -2.5 to 2.5 | Pass |
| | | | | -30 | 120 | 5.240 | 0.0031 | -2.5 to 2.5 | Pass |
| | | | | -20 | 120 | 5.275 | 0.0031 | -2.5 to 2.5 | Pass |
| | | | | -10 | 120 | 6.138 | 0.0036 | -2.5 to 2.5 | Pass |
| | | | | 0 | 120 | 5.458 | 0.0032 | -2.5 to 2.5 | Pass |
| | | | | 10 | 120 | 5.032 | 0.0029 | -2.5 to 2.5 | Pass |
| | | | | 30 | 120 | 6.531 | 0.0038 | -2.5 to 2.5 | Pass |
| | | | | 40 | 120 | 6.337 | 0.0037 | -2.5 to 2.5 | Pass |
| | | | | 50 | 120 | 5.571 | 0.0033 | -2.5 to 2.5 | Pass |
| | 1745 | 15 | 0 | 20 | 102 | -2.122 | -0.0012 | -2.5 to 2.5 | Pass |
| | | | | | 120 | -2.074 | -0.0012 | -2.5 to 2.5 | Pass |
| | | | | | 138 | -1.776 | -0.0010 | -2.5 to 2.5 | Pass |
| | | | | -30 | 120 | -1.682 | -0.0010 | -2.5 to 2.5 | Pass |
| | | | | -20 | 120 | -1.223 | -0.0007 | -2.5 to 2.5 | Pass |
| | | | | -10 | 120 | -1.541 | -0.0009 | -2.5 to 2.5 | Pass |
| | | | | 0 | 120 | -1.750 | -0.0010 | -2.5 to 2.5 | Pass |
| | | | | 10 | 120 | -0.779 | -0.0004 | -2.5 to 2.5 | Pass |
| | | | | 30 | 120 | -0.819 | -0.0005 | -2.5 to 2.5 | Pass |
| | | | | 40 | 120 | -0.481 | -0.0003 | -2.5 to 2.5 | Pass |
| | | | | 50 | 120 | -0.928 | -0.0005 | -2.5 to 2.5 | Pass |
| | 1778.5 | 15 | 0 | 20 | 102 | 2.713 | 0.0015 | -2.5 to 2.5 | Pass |
| | | | | | 120 | 2.369 | 0.0013 | -2.5 to 2.5 | Pass |
| | | | | | 138 | 2.225 | 0.0013 | -2.5 to 2.5 | Pass |
| | | | | -30 | 120 | 2.841 | 0.0016 | -2.5 to 2.5 | Pass |
| | | | | -20 | 120 | 3.050 | 0.0017 | -2.5 to 2.5 | Pass |
| | | | | -10 | 120 | 4.278 | 0.0024 | -2.5 to 2.5 | Pass |
| | | | | 0 | 120 | 3.393 | 0.0019 | -2.5 to 2.5 | Pass |
| | | | | 10 | 120 | 4.366 | 0.0025 | -2.5 to 2.5 | Pass |
| | | | | 30 | 120 | 2.943 | 0.0017 | -2.5 to 2.5 | Pass |
| | | | | 40 | 120 | 3.283 | 0.0018 | -2.5 to 2.5 | Pass |
| | | | | 50 | 120 | 3.693 | 0.0021 | -2.5 to 2.5 | Pass |

## 2.3 B66_5MHz

### 2.3.1 Test Result

| Band: 66 / Bandwidth: 5MHz | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Temp. (°C) | Voltage (VAC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) | | Verdict |
| | | Size | Offset | | | | Result | Limit | |
| QPSK | 1712.5 | 25 | 0 | 20 | 102 | 5.551 | 0.0032 | -2.5 to 2.5 | Pass |
| | | | | | 120 | 5.316 | 0.0031 | -2.5 to 2.5 | Pass |
| | | | | | 138 | 6.265 | 0.0037 | -2.5 to 2.5 | Pass |
| | | | | -30 | 120 | 6.091 | 0.0036 | -2.5 to 2.5 | Pass |
| | | | | -20 | 120 | 5.360 | 0.0031 | -2.5 to 2.5 | Pass |
| | | | | -10 | 120 | 4.719 | 0.0028 | -2.5 to 2.5 | Pass |
| | | | | 0 | 120 | 5.371 | 0.0031 | -2.5 to 2.5 | Pass |
| | | | | 10 | 120 | 4.308 | 0.0025 | -2.5 to 2.5 | Pass |
| | | | | 30 | 120 | 4.958 | 0.0029 | -2.5 to 2.5 | Pass |
| | | | | 40 | 120 | 5.282 | 0.0031 | -2.5 to 2.5 | Pass |
| | | | | 50 | 120 | 4.864 | 0.0028 | -2.5 to 2.5 | Pass |
| | 1745 | 25 | 0 | 20 | 102 | -0.794 | -0.0005 | -2.5 to 2.5 | Pass |
| | | | | | 120 | -1.527 | -0.0009 | -2.5 to 2.5 | Pass |
| | | | | | 138 | -1.552 | -0.0009 | -2.5 to 2.5 | Pass |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | -30 | 120 | -1.737 | -0.0010 | -2.5 to 2.5 | Pass |
| | | | | -20 | 120 | -1.880 | -0.0011 | -2.5 to 2.5 | Pass |
| | | | | -10 | 120 | -2.161 | -0.0012 | -2.5 to 2.5 | Pass |
| | | | | 0 | 120 | -1.935 | -0.0011 | -2.5 to 2.5 | Pass |
| | | | | 10 | 120 | -2.793 | -0.0016 | -2.5 to 2.5 | Pass |
| | | | | 30 | 120 | -1.810 | -0.0010 | -2.5 to 2.5 | Pass |
| | | | | 40 | 120 | -1.936 | -0.0011 | -2.5 to 2.5 | Pass |
| | | | | 50 | 120 | -1.869 | -0.0011 | -2.5 to 2.5 | Pass |
| | 1777.5 | 25 | 0 | 20 | 102 | 0.773 | 0.0004 | -2.5 to 2.5 | Pass |
| | | | | | 120 | 2.914 | 0.0016 | -2.5 to 2.5 | Pass |
| | | | | | 138 | 1.301 | 0.0007 | -2.5 to 2.5 | Pass |
| | | | | -30 | 120 | 0.850 | 0.0005 | -2.5 to 2.5 | Pass |
| | | | | -20 | 120 | 1.363 | 0.0008 | -2.5 to 2.5 | Pass |
| | | | | -10 | 120 | 1.279 | 0.0007 | -2.5 to 2.5 | Pass |
| | | | | 0 | 120 | 2.085 | 0.0012 | -2.5 to 2.5 | Pass |
| | | | | 10 | 120 | 1.512 | 0.0009 | -2.5 to 2.5 | Pass |
| | | | | 30 | 120 | 1.723 | 0.0010 | -2.5 to 2.5 | Pass |
| | | | | 40 | 120 | 2.574 | 0.0014 | -2.5 to 2.5 | Pass |
| | | | | 50 | 120 | 1.762 | 0.0010 | -2.5 to 2.5 | Pass |
| 16QAM | 1712.5 | 25 | 0 | 20 | 102 | 6.216 | 0.0036 | -2.5 to 2.5 | Pass |
| | | | | | 120 | 5.080 | 0.0030 | -2.5 to 2.5 | Pass |
| | | | | | 138 | 4.374 | 0.0026 | -2.5 to 2.5 | Pass |
| | | | | -30 | 120 | 5.242 | 0.0031 | -2.5 to 2.5 | Pass |
| | | | | -20 | 120 | 4.803 | 0.0028 | -2.5 to 2.5 | Pass |
| | | | | -10 | 120 | 5.824 | 0.0034 | -2.5 to 2.5 | Pass |
| | | | | 0 | 120 | 6.370 | 0.0037 | -2.5 to 2.5 | Pass |
| | | | | 10 | 120 | 5.789 | 0.0034 | -2.5 to 2.5 | Pass |
| | | | | 30 | 120 | 6.565 | 0.0038 | -2.5 to 2.5 | Pass |
| | | | | 40 | 120 | 6.453 | 0.0038 | -2.5 to 2.5 | Pass |
| | | | | 50 | 120 | 5.674 | 0.0033 | -2.5 to 2.5 | Pass |
| | 1745 | 25 | 0 | 20 | 102 | -2.405 | -0.0014 | -2.5 to 2.5 | Pass |
| | | | | | 120 | -2.767 | -0.0016 | -2.5 to 2.5 | Pass |
| | | | | | 138 | -2.388 | -0.0014 | -2.5 to 2.5 | Pass |
| | | | | -30 | 120 | -1.825 | -0.0010 | -2.5 to 2.5 | Pass |
| | | | | -20 | 120 | -1.648 | -0.0009 | -2.5 to 2.5 | Pass |
| | | | | -10 | 120 | -2.563 | -0.0015 | -2.5 to 2.5 | Pass |
| | | | | 0 | 120 | -2.365 | -0.0014 | -2.5 to 2.5 | Pass |
| | | | | 10 | 120 | -1.841 | -0.0011 | -2.5 to 2.5 | Pass |
| | | | | 30 | 120 | -2.597 | -0.0015 | -2.5 to 2.5 | Pass |
| | | | | 40 | 120 | -2.574 | -0.0015 | -2.5 to 2.5 | Pass |
| | | | | 50 | 120 | -2.565 | -0.0015 | -2.5 to 2.5 | Pass |
| | 1777.5 | 25 | 0 | 20 | 102 | 1.268 | 0.0007 | -2.5 to 2.5 | Pass |
| | | | | | 120 | 2.172 | 0.0012 | -2.5 to 2.5 | Pass |
| | | | | | 138 | 1.029 | 0.0006 | -2.5 to 2.5 | Pass |
| | | | | -30 | 120 | 1.017 | 0.0006 | -2.5 to 2.5 | Pass |
| | | | | -20 | 120 | -0.109 | -0.0001 | -2.5 to 2.5 | Pass |
| | | | | -10 | 120 | 1.427 | 0.0008 | -2.5 to 2.5 | Pass |
| | | | | 0 | 120 | 1.731 | 0.0010 | -2.5 to 2.5 | Pass |
| | | | | 10 | 120 | 2.162 | 0.0012 | -2.5 to 2.5 | Pass |
| | | | | 30 | 120 | 2.102 | 0.0012 | -2.5 to 2.5 | Pass |
| | | | | 40 | 120 | 2.132 | 0.0012 | -2.5 to 2.5 | Pass |
| | | | | 50 | 120 | 0.988 | 0.0006 | -2.5 to 2.5 | Pass |
| 64QAM | 1712.5 | 25 | 0 | 20 | 102 | 3.942 | 0.0023 | -2.5 to 2.5 | Pass |
| | | | | | 120 | 4.061 | 0.0024 | -2.5 to 2.5 | Pass |
| | | | | | 138 | 4.174 | 0.0024 | -2.5 to 2.5 | Pass |
| | | | | -30 | 120 | 5.015 | 0.0029 | -2.5 to 2.5 | Pass |
| | | | | -20 | 120 | 4.890 | 0.0029 | -2.5 to 2.5 | Pass |
| | | | | -10 | 120 | 5.054 | 0.0030 | -2.5 to 2.5 | Pass |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | 0 | 120 | 5.793 | 0.0034 | -2.5 to 2.5 | Pass |
| | | | | 10 | 120 | 5.698 | 0.0033 | -2.5 to 2.5 | Pass |
| | | | | 30 | 120 | 6.410 | 0.0037 | -2.5 to 2.5 | Pass |
| | | | | 40 | 120 | 5.643 | 0.0033 | -2.5 to 2.5 | Pass |
| | | | | 50 | 120 | 6.194 | 0.0036 | -2.5 to 2.5 | Pass |
| | 1745 | 25 | 0 | 20 | 102 | -2.721 | -0.0016 | -2.5 to 2.5 | Pass |
| | | | | | 120 | -1.567 | -0.0009 | -2.5 to 2.5 | Pass |
| | | | | | 138 | -1.943 | -0.0011 | -2.5 to 2.5 | Pass |
| | | | | -30 | 120 | -1.784 | -0.0010 | -2.5 to 2.5 | Pass |
| | | | | -20 | 120 | -1.692 | -0.0010 | -2.5 to 2.5 | Pass |
| | | | | -10 | 120 | -0.797 | -0.0005 | -2.5 to 2.5 | Pass |
| | | | | 0 | 120 | -1.747 | -0.0010 | -2.5 to 2.5 | Pass |
| | | | | 10 | 120 | -1.336 | -0.0008 | -2.5 to 2.5 | Pass |
| | | | | 30 | 120 | -1.767 | -0.0010 | -2.5 to 2.5 | Pass |
| | | | | 40 | 120 | -1.384 | -0.0008 | -2.5 to 2.5 | Pass |
| | | | | 50 | 120 | -1.681 | -0.0010 | -2.5 to 2.5 | Pass |
| | 1777.5 | 25 | 0 | 20 | 102 | 0.315 | 0.0002 | -2.5 to 2.5 | Pass |
| | | | | | 120 | -0.162 | -0.0001 | -2.5 to 2.5 | Pass |
| | | | | | 138 | -0.037 | 0.0000 | -2.5 to 2.5 | Pass |
| | | | | -30 | 120 | 0.943 | 0.0005 | -2.5 to 2.5 | Pass |
| | | | | -20 | 120 | 0.021 | 0.0000 | -2.5 to 2.5 | Pass |
| | | | | -10 | 120 | -0.320 | -0.0002 | -2.5 to 2.5 | Pass |
| | | | | 0 | 120 | 0.569 | 0.0003 | -2.5 to 2.5 | Pass |
| | | | | 10 | 120 | 0.454 | 0.0003 | -2.5 to 2.5 | Pass |
| | | | | 30 | 120 | 0.255 | 0.0001 | -2.5 to 2.5 | Pass |
| | | | | 40 | 120 | 0.560 | 0.0003 | -2.5 to 2.5 | Pass |
| | | | | 50 | 120 | 0.165 | 0.0001 | -2.5 to 2.5 | Pass |

## 2.4 B66_10MHz

### 2.4.1 Test Result

| Band: 66 / Bandwidth: 10MHz | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Temp. (°C) | Voltage (VAC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) | | Verdict |
| | | Size | Offset | | | | Result | Limit | |
| QPSK | 1715 | 50 | 0 | 20 | 102 | -3.175 | -0.0019 | -2.5 to 2.5 | Pass |
| | | | | | 120 | -4.475 | -0.0026 | -2.5 to 2.5 | Pass |
| | | | | | 138 | -2.836 | -0.0017 | -2.5 to 2.5 | Pass |
| | | | | -30 | 120 | -3.563 | -0.0021 | -2.5 to 2.5 | Pass |
| | | | | -20 | 120 | -3.122 | -0.0018 | -2.5 to 2.5 | Pass |
| | | | | -10 | 120 | -3.775 | -0.0022 | -2.5 to 2.5 | Pass |
| | | | | 0 | 120 | -3.796 | -0.0022 | -2.5 to 2.5 | Pass |
| | | | | 10 | 120 | -4.120 | -0.0024 | -2.5 to 2.5 | Pass |
| | | | | 30 | 120 | -4.009 | -0.0023 | -2.5 to 2.5 | Pass |
| | | | | 40 | 120 | -2.724 | -0.0016 | -2.5 to 2.5 | Pass |
| | | | | 50 | 120 | -3.631 | -0.0021 | -2.5 to 2.5 | Pass |
| | 1745 | 50 | 0 | 20 | 102 | -1.973 | -0.0011 | -2.5 to 2.5 | Pass |
| | | | | | 120 | -0.376 | -0.0002 | -2.5 to 2.5 | Pass |
| | | | | | 138 | -1.400 | -0.0008 | -2.5 to 2.5 | Pass |
| | | | | -30 | 120 | -1.571 | -0.0009 | -2.5 to 2.5 | Pass |
| | | | | -20 | 120 | -1.378 | -0.0008 | -2.5 to 2.5 | Pass |
| | | | | -10 | 120 | -0.994 | -0.0006 | -2.5 to 2.5 | Pass |
| | | | | 0 | 120 | -1.318 | -0.0008 | -2.5 to 2.5 | Pass |
| | | | | 10 | 120 | -1.263 | -0.0007 | -2.5 to 2.5 | Pass |
| | | | | 30 | 120 | -0.528 | -0.0003 | -2.5 to 2.5 | Pass |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | 40 | 120 | -0.596 | -0.0003 | -2.5 to 2.5 | Pass |
| | | | | 50 | 120 | -1.013 | -0.0006 | -2.5 to 2.5 | Pass |
| | 1775 | 50 | 0 | 20 | 102 | -1.077 | -0.0006 | -2.5 to 2.5 | Pass |
| | | | | | 120 | -2.431 | -0.0014 | -2.5 to 2.5 | Pass |
| | | | | | 138 | -3.090 | -0.0017 | -2.5 to 2.5 | Pass |
| | | | | -30 | 120 | -2.131 | -0.0012 | -2.5 to 2.5 | Pass |
| | | | | -20 | 120 | -1.588 | -0.0009 | -2.5 to 2.5 | Pass |
| | | | | -10 | 120 | -1.997 | -0.0011 | -2.5 to 2.5 | Pass |
| | | | | 0 | 120 | -1.222 | -0.0007 | -2.5 to 2.5 | Pass |
| | | | | 10 | 120 | -1.809 | -0.0010 | -2.5 to 2.5 | Pass |
| | | | | 30 | 120 | -2.470 | -0.0014 | -2.5 to 2.5 | Pass |
| | | | | 40 | 120 | -1.935 | -0.0011 | -2.5 to 2.5 | Pass |
| | | | | 50 | 120 | -1.485 | -0.0008 | -2.5 to 2.5 | Pass |
| 16QAM | 1715 | 50 | 0 | 20 | 102 | -2.234 | -0.0013 | -2.5 to 2.5 | Pass |
| | | | | | 120 | -1.913 | -0.0011 | -2.5 to 2.5 | Pass |
| | | | | | 138 | -2.050 | -0.0012 | -2.5 to 2.5 | Pass |
| | | | | -30 | 120 | -3.409 | -0.0020 | -2.5 to 2.5 | Pass |
| | | | | -20 | 120 | -4.413 | -0.0026 | -2.5 to 2.5 | Pass |
| | | | | -10 | 120 | -4.064 | -0.0024 | -2.5 to 2.5 | Pass |
| | | | | 0 | 120 | -3.890 | -0.0023 | -2.5 to 2.5 | Pass |
| | | | | 10 | 120 | -3.364 | -0.0020 | -2.5 to 2.5 | Pass |
| | | | | 30 | 120 | -3.304 | -0.0019 | -2.5 to 2.5 | Pass |
| | | | | 40 | 120 | -3.617 | -0.0021 | -2.5 to 2.5 | Pass |
| | | | | 50 | 120 | -3.584 | -0.0021 | -2.5 to 2.5 | Pass |
| | 1745 | 50 | 0 | 20 | 102 | -0.759 | -0.0004 | -2.5 to 2.5 | Pass |
| | | | | | 120 | -0.352 | -0.0002 | -2.5 to 2.5 | Pass |
| | | | | | 138 | -0.612 | -0.0004 | -2.5 to 2.5 | Pass |
| | | | | -30 | 120 | -0.941 | -0.0005 | -2.5 to 2.5 | Pass |
| | | | | -20 | 120 | 0.090 | 0.0001 | -2.5 to 2.5 | Pass |
| | | | | -10 | 120 | -0.722 | -0.0004 | -2.5 to 2.5 | Pass |
| | | | | 0 | 120 | -0.495 | -0.0003 | -2.5 to 2.5 | Pass |
| | | | | 10 | 120 | 0.076 | 0.0000 | -2.5 to 2.5 | Pass |
| | | | | 30 | 120 | -0.529 | -0.0003 | -2.5 to 2.5 | Pass |
| | | | | 40 | 120 | -0.561 | -0.0003 | -2.5 to 2.5 | Pass |
| | | | | 50 | 120 | -0.912 | -0.0005 | -2.5 to 2.5 | Pass |
| | 1775 | 50 | 0 | 20 | 102 | -1.664 | -0.0009 | -2.5 to 2.5 | Pass |
| | | | | | 120 | -1.396 | -0.0008 | -2.5 to 2.5 | Pass |
| | | | | | 138 | -1.818 | -0.0010 | -2.5 to 2.5 | Pass |
| | | | | -30 | 120 | -1.773 | -0.0010 | -2.5 to 2.5 | Pass |
| | | | | -20 | 120 | -2.093 | -0.0012 | -2.5 to 2.5 | Pass |
| | | | | -10 | 120 | -2.177 | -0.0012 | -2.5 to 2.5 | Pass |
| | | | | 0 | 120 | -0.768 | -0.0004 | -2.5 to 2.5 | Pass |
| | | | | 10 | 120 | -1.382 | -0.0008 | -2.5 to 2.5 | Pass |
| | | | | 30 | 120 | -0.566 | -0.0003 | -2.5 to 2.5 | Pass |
| | | | | 40 | 120 | -1.321 | -0.0007 | -2.5 to 2.5 | Pass |
| | | | | 50 | 120 | -1.837 | -0.0010 | -2.5 to 2.5 | Pass |
| 64QAM | 1715 | 50 | 0 | 20 | 102 | -2.572 | -0.0015 | -2.5 to 2.5 | Pass |
| | | | | | 120 | -3.727 | -0.0022 | -2.5 to 2.5 | Pass |
| | | | | | 138 | -3.790 | -0.0022 | -2.5 to 2.5 | Pass |
| | | | | -30 | 120 | -1.542 | -0.0009 | -2.5 to 2.5 | Pass |
| | | | | -20 | 120 | -2.250 | -0.0013 | -2.5 to 2.5 | Pass |
| | | | | -10 | 120 | -2.684 | -0.0016 | -2.5 to 2.5 | Pass |
| | | | | 0 | 120 | -1.507 | -0.0009 | -2.5 to 2.5 | Pass |
| | | | | 10 | 120 | -2.353 | -0.0014 | -2.5 to 2.5 | Pass |
| | | | | 30 | 120 | -1.781 | -0.0010 | -2.5 to 2.5 | Pass |
| | | | | 40 | 120 | -2.399 | -0.0014 | -2.5 to 2.5 | Pass |
| | | | | 50 | 120 | -1.942 | -0.0011 | -2.5 to 2.5 | Pass |
| | 1745 | 50 | 0 | 20 | 102 | -0.897 | -0.0005 | -2.5 to 2.5 | Pass |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | 120 | -1.511 | -0.0009 | -2.5 to 2.5 | Pass |
| | | | | | 138 | -2.370 | -0.0014 | -2.5 to 2.5 | Pass |
| | | | | -30 | 120 | -2.589 | -0.0015 | -2.5 to 2.5 | Pass |
| | | | | -20 | 120 | -2.428 | -0.0014 | -2.5 to 2.5 | Pass |
| | | | | -10 | 120 | -2.248 | -0.0013 | -2.5 to 2.5 | Pass |
| | | | | 0 | 120 | -1.892 | -0.0011 | -2.5 to 2.5 | Pass |
| | | | | 10 | 120 | -2.068 | -0.0012 | -2.5 to 2.5 | Pass |
| | | | | 30 | 120 | -1.726 | -0.0010 | -2.5 to 2.5 | Pass |
| | | | | 40 | 120 | -1.547 | -0.0009 | -2.5 to 2.5 | Pass |
| | | | | 50 | 120 | -0.946 | -0.0005 | -2.5 to 2.5 | Pass |
| | 1775 | 50 | 0 | 20 | 102 | -1.249 | -0.0007 | -2.5 to 2.5 | Pass |
| | | | | | 120 | -1.421 | -0.0008 | -2.5 to 2.5 | Pass |
| | | | | | 138 | -1.054 | -0.0006 | -2.5 to 2.5 | Pass |
| | | | | -30 | 120 | -1.515 | -0.0009 | -2.5 to 2.5 | Pass |
| | | | | -20 | 120 | -1.028 | -0.0006 | -2.5 to 2.5 | Pass |
| | | | | -10 | 120 | -1.417 | -0.0008 | -2.5 to 2.5 | Pass |
| | | | | 0 | 120 | -1.817 | -0.0010 | -2.5 to 2.5 | Pass |
| | | | | 10 | 120 | -1.524 | -0.0009 | -2.5 to 2.5 | Pass |
| | | | | 30 | 120 | -1.315 | -0.0007 | -2.5 to 2.5 | Pass |
| | | | | 40 | 120 | -1.517 | -0.0009 | -2.5 to 2.5 | Pass |
| | | | | 50 | 120 | -1.413 | -0.0008 | -2.5 to 2.5 | Pass |

## 2.5 B66_15MHz

### 2.5.1 Test Result

| Band: 66 / Bandwidth: 15MHz | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Temp. (°C) | Voltage (VAC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) | | Verdict |
| | | Size | Offset | | | | Result | Limit | |
| QPSK | 1717.5 | 75 | 0 | 20 | 102 | 0.407 | 0.0002 | -2.5 to 2.5 | Pass |
| | | | | | 120 | -0.726 | -0.0004 | -2.5 to 2.5 | Pass |
| | | | | | 138 | -0.058 | 0.0000 | -2.5 to 2.5 | Pass |
| | | | | -30 | 120 | -0.522 | -0.0003 | -2.5 to 2.5 | Pass |
| | | | | -20 | 120 | 0.660 | 0.0004 | -2.5 to 2.5 | Pass |
| | | | | -10 | 120 | -0.439 | -0.0003 | -2.5 to 2.5 | Pass |
| | | | | 0 | 120 | 0.526 | 0.0003 | -2.5 to 2.5 | Pass |
| | | | | 10 | 120 | 0.460 | 0.0003 | -2.5 to 2.5 | Pass |
| | | | | 30 | 120 | -0.139 | -0.0001 | -2.5 to 2.5 | Pass |
| | | | | 40 | 120 | -0.051 | 0.0000 | -2.5 to 2.5 | Pass |
| | | | | 50 | 120 | -0.973 | -0.0006 | -2.5 to 2.5 | Pass |
| | 1745 | 75 | 0 | 20 | 102 | -2.599 | -0.0015 | -2.5 to 2.5 | Pass |
| | | | | | 120 | -2.220 | -0.0013 | -2.5 to 2.5 | Pass |
| | | | | | 138 | -2.434 | -0.0014 | -2.5 to 2.5 | Pass |
| | | | | -30 | 120 | -3.791 | -0.0022 | -2.5 to 2.5 | Pass |
| | | | | -20 | 120 | -3.573 | -0.0020 | -2.5 to 2.5 | Pass |
| | | | | -10 | 120 | -3.161 | -0.0018 | -2.5 to 2.5 | Pass |
| | | | | 0 | 120 | -3.444 | -0.0020 | -2.5 to 2.5 | Pass |
| | | | | 10 | 120 | -4.072 | -0.0023 | -2.5 to 2.5 | Pass |
| | | | | 30 | 120 | -3.257 | -0.0019 | -2.5 to 2.5 | Pass |
| | | | | 40 | 120 | -2.349 | -0.0013 | -2.5 to 2.5 | Pass |
| | | | | 50 | 120 | -2.126 | -0.0012 | -2.5 to 2.5 | Pass |
| | 1772.5 | 75 | 0 | 20 | 102 | 0.215 | 0.0001 | -2.5 to 2.5 | Pass |
| | | | | | 120 | 1.527 | 0.0009 | -2.5 to 2.5 | Pass |
| | | | | | 138 | 1.755 | 0.0010 | -2.5 to 2.5 | Pass |
| | | | | -30 | 120 | 2.849 | 0.0016 | -2.5 to 2.5 | Pass |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | -20 | 120 | 2.884 | 0.0016 | -2.5 to 2.5 | Pass |
| | | | | -10 | 120 | 1.760 | 0.0010 | -2.5 to 2.5 | Pass |
| | | | | 0 | 120 | 2.350 | 0.0013 | -2.5 to 2.5 | Pass |
| | | | | 10 | 120 | 2.188 | 0.0012 | -2.5 to 2.5 | Pass |
| | | | | 30 | 120 | 1.805 | 0.0010 | -2.5 to 2.5 | Pass |
| | | | | 40 | 120 | 3.309 | 0.0019 | -2.5 to 2.5 | Pass |
| | | | | 50 | 120 | 3.172 | 0.0018 | -2.5 to 2.5 | Pass |
| 16QAM | 1717.5 | 75 | 0 | 20 | 102 | -0.839 | -0.0005 | -2.5 to 2.5 | Pass |
| | | | | | 120 | 1.440 | 0.0008 | -2.5 to 2.5 | Pass |
| | | | | | 138 | 0.805 | 0.0005 | -2.5 to 2.5 | Pass |
| | | | | -30 | 120 | 0.304 | 0.0002 | -2.5 to 2.5 | Pass |
| | | | | -20 | 120 | -1.095 | -0.0006 | -2.5 to 2.5 | Pass |
| | | | | -10 | 120 | -0.111 | -0.0001 | -2.5 to 2.5 | Pass |
| | | | | 0 | 120 | 0.250 | 0.0001 | -2.5 to 2.5 | Pass |
| | | | | 10 | 120 | 0.794 | 0.0005 | -2.5 to 2.5 | Pass |
| | | | | 30 | 120 | 0.616 | 0.0004 | -2.5 to 2.5 | Pass |
| | | | | 40 | 120 | 0.192 | 0.0001 | -2.5 to 2.5 | Pass |
| | | | | 50 | 120 | 0.030 | 0.0000 | -2.5 to 2.5 | Pass |
| | 1745 | 75 | 0 | 20 | 102 | -1.726 | -0.0010 | -2.5 to 2.5 | Pass |
| | | | | | 120 | -2.761 | -0.0016 | -2.5 to 2.5 | Pass |
| | | | | | 138 | -2.569 | -0.0015 | -2.5 to 2.5 | Pass |
| | | | | -30 | 120 | -3.951 | -0.0023 | -2.5 to 2.5 | Pass |
| | | | | -20 | 120 | -3.577 | -0.0020 | -2.5 to 2.5 | Pass |
| | | | | -10 | 120 | -2.502 | -0.0014 | -2.5 to 2.5 | Pass |
| | | | | 0 | 120 | -4.004 | -0.0023 | -2.5 to 2.5 | Pass |
| | | | | 10 | 120 | -2.689 | -0.0015 | -2.5 to 2.5 | Pass |
| | | | | 30 | 120 | -2.446 | -0.0014 | -2.5 to 2.5 | Pass |
| | | | | 40 | 120 | -3.507 | -0.0020 | -2.5 to 2.5 | Pass |
| | | | | 50 | 120 | -3.612 | -0.0021 | -2.5 to 2.5 | Pass |
| | 1772.5 | 75 | 0 | 20 | 102 | 3.457 | 0.0020 | -2.5 to 2.5 | Pass |
| | | | | | 120 | 2.685 | 0.0015 | -2.5 to 2.5 | Pass |
| | | | | | 138 | 2.250 | 0.0013 | -2.5 to 2.5 | Pass |
| | | | | -30 | 120 | 2.091 | 0.0012 | -2.5 to 2.5 | Pass |
| | | | | -20 | 120 | 1.930 | 0.0011 | -2.5 to 2.5 | Pass |
| | | | | -10 | 120 | 3.577 | 0.0020 | -2.5 to 2.5 | Pass |
| | | | | 0 | 120 | 3.699 | 0.0021 | -2.5 to 2.5 | Pass |
| | | | | 10 | 120 | 3.763 | 0.0021 | -2.5 to 2.5 | Pass |
| | | | | 30 | 120 | 3.311 | 0.0019 | -2.5 to 2.5 | Pass |
| | | | | 40 | 120 | 2.041 | 0.0012 | -2.5 to 2.5 | Pass |
| | | | | 50 | 120 | 2.441 | 0.0014 | -2.5 to 2.5 | Pass |
| 64QAM | 1717.5 | 75 | 0 | 20 | 102 | -0.131 | -0.0001 | -2.5 to 2.5 | Pass |
| | | | | | 120 | 0.131 | 0.0001 | -2.5 to 2.5 | Pass |
| | | | | | 138 | -1.097 | -0.0006 | -2.5 to 2.5 | Pass |
| | | | | -30 | 120 | -0.292 | -0.0002 | -2.5 to 2.5 | Pass |
| | | | | -20 | 120 | -0.651 | -0.0004 | -2.5 to 2.5 | Pass |
| | | | | -10 | 120 | -0.962 | -0.0006 | -2.5 to 2.5 | Pass |
| | | | | 0 | 120 | -1.121 | -0.0007 | -2.5 to 2.5 | Pass |
| | | | | 10 | 120 | -1.265 | -0.0007 | -2.5 to 2.5 | Pass |
| | | | | 30 | 120 | -1.312 | -0.0008 | -2.5 to 2.5 | Pass |
| | | | | 40 | 120 | -0.918 | -0.0005 | -2.5 to 2.5 | Pass |
| | | | | 50 | 120 | -1.165 | -0.0007 | -2.5 to 2.5 | Pass |
| | 1745 | 75 | 0 | 20 | 102 | -2.765 | -0.0016 | -2.5 to 2.5 | Pass |
| | | | | | 120 | -3.289 | -0.0019 | -2.5 to 2.5 | Pass |
| | | | | | 138 | -3.584 | -0.0021 | -2.5 to 2.5 | Pass |
| | | | | -30 | 120 | -3.490 | -0.0020 | -2.5 to 2.5 | Pass |
| | | | | -20 | 120 | -3.807 | -0.0022 | -2.5 to 2.5 | Pass |
| | | | | -10 | 120 | -2.292 | -0.0013 | -2.5 to 2.5 | Pass |
| | | | | 0 | 120 | -2.112 | -0.0012 | -2.5 to 2.5 | Pass |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | 10 | 120 | -2.458 | -0.0014 | -2.5 to 2.5 | Pass |
| | | | | 30 | 120 | -2.358 | -0.0014 | -2.5 to 2.5 | Pass |
| | | | | 40 | 120 | -1.882 | -0.0011 | -2.5 to 2.5 | Pass |
| | | | | 50 | 120 | -2.143 | -0.0012 | -2.5 to 2.5 | Pass |
| | 1772.5 | 75 | 0 | 20 | 102 | 1.439 | 0.0008 | -2.5 to 2.5 | Pass |
| | | | | | 120 | 2.505 | 0.0014 | -2.5 to 2.5 | Pass |
| | | | | | 138 | 1.720 | 0.0010 | -2.5 to 2.5 | Pass |
| | | | | -30 | 120 | 2.509 | 0.0014 | -2.5 to 2.5 | Pass |
| | | | | -20 | 120 | 2.266 | 0.0013 | -2.5 to 2.5 | Pass |
| | | | | -10 | 120 | 2.362 | 0.0013 | -2.5 to 2.5 | Pass |
| | | | | 0 | 120 | 1.796 | 0.0010 | -2.5 to 2.5 | Pass |
| | | | | 10 | 120 | 2.899 | 0.0016 | -2.5 to 2.5 | Pass |
| | | | | 30 | 120 | 2.595 | 0.0015 | -2.5 to 2.5 | Pass |
| | | | | 40 | 120 | 2.667 | 0.0015 | -2.5 to 2.5 | Pass |
| | | | | 50 | 120 | 1.750 | 0.0010 | -2.5 to 2.5 | Pass |

## 2.6 B66_20MHz

### 2.6.1 Test Result

| Band: 66 / Bandwidth: 20MHz | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Temp. (°C) | Voltage (VAC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) | | Verdict |
| | | Size | Offset | | | | Result | Limit | |
| QPSK | 1720 | 100 | 0 | 20 | 102 | 2.911 | 0.0017 | -2.5 to 2.5 | Pass |
| | | | | | 120 | 3.792 | 0.0022 | -2.5 to 2.5 | Pass |
| | | | | | 138 | 3.547 | 0.0021 | -2.5 to 2.5 | Pass |
| | | | | -30 | 120 | 4.233 | 0.0025 | -2.5 to 2.5 | Pass |
| | | | | -20 | 120 | 4.038 | 0.0023 | -2.5 to 2.5 | Pass |
| | | | | -10 | 120 | 3.703 | 0.0022 | -2.5 to 2.5 | Pass |
| | | | | 0 | 120 | 3.377 | 0.0020 | -2.5 to 2.5 | Pass |
| | | | | 10 | 120 | 2.414 | 0.0014 | -2.5 to 2.5 | Pass |
| | | | | 30 | 120 | 2.867 | 0.0017 | -2.5 to 2.5 | Pass |
| | | | | 40 | 120 | 1.896 | 0.0011 | -2.5 to 2.5 | Pass |
| | | | | 50 | 120 | 2.417 | 0.0014 | -2.5 to 2.5 | Pass |
| | 1745 | 100 | 0 | 20 | 102 | -1.561 | -0.0009 | -2.5 to 2.5 | Pass |
| | | | | | 120 | -2.913 | -0.0017 | -2.5 to 2.5 | Pass |
| | | | | | 138 | -2.569 | -0.0015 | -2.5 to 2.5 | Pass |
| | | | | -30 | 120 | -2.373 | -0.0014 | -2.5 to 2.5 | Pass |
| | | | | -20 | 120 | -1.915 | -0.0011 | -2.5 to 2.5 | Pass |
| | | | | -10 | 120 | -2.678 | -0.0015 | -2.5 to 2.5 | Pass |
| | | | | 0 | 120 | -2.480 | -0.0014 | -2.5 to 2.5 | Pass |
| | | | | 10 | 120 | -2.223 | -0.0013 | -2.5 to 2.5 | Pass |
| | | | | 30 | 120 | -2.344 | -0.0013 | -2.5 to 2.5 | Pass |
| | | | | 40 | 120 | -2.752 | -0.0016 | -2.5 to 2.5 | Pass |
| | | | | 50 | 120 | -2.801 | -0.0016 | -2.5 to 2.5 | Pass |
| | 1770 | 100 | 0 | 20 | 102 | 0.875 | 0.0005 | -2.5 to 2.5 | Pass |
| | | | | | 120 | 1.643 | 0.0009 | -2.5 to 2.5 | Pass |
| | | | | | 138 | 1.106 | 0.0006 | -2.5 to 2.5 | Pass |
| | | | | -30 | 120 | -0.523 | -0.0003 | -2.5 to 2.5 | Pass |
| | | | | -20 | 120 | 0.198 | 0.0001 | -2.5 to 2.5 | Pass |
| | | | | -10 | 120 | 0.269 | 0.0002 | -2.5 to 2.5 | Pass |
| | | | | 0 | 120 | -0.148 | -0.0001 | -2.5 to 2.5 | Pass |
| | | | | 10 | 120 | 0.323 | 0.0002 | -2.5 to 2.5 | Pass |
| | | | | 30 | 120 | -0.350 | -0.0002 | -2.5 to 2.5 | Pass |
| | | | | 40 | 120 | 1.022 | 0.0006 | -2.5 to 2.5 | Pass |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | 50 | 120 | 0.806 | 0.0005 | -2.5 to 2.5 | Pass |
| 16QAM | 1720 | 100 | 0 | 20 | 102 | 3.462 | 0.0020 | -2.5 to 2.5 | Pass |
| | | | | | 120 | 1.663 | 0.0010 | -2.5 to 2.5 | Pass |
| | | | | | 138 | 2.591 | 0.0015 | -2.5 to 2.5 | Pass |
| | | | | -30 | 120 | 3.160 | 0.0018 | -2.5 to 2.5 | Pass |
| | | | | -20 | 120 | 3.563 | 0.0021 | -2.5 to 2.5 | Pass |
| | | | | -10 | 120 | 2.902 | 0.0017 | -2.5 to 2.5 | Pass |
| | | | | 0 | 120 | 3.637 | 0.0021 | -2.5 to 2.5 | Pass |
| | | | | 10 | 120 | 2.820 | 0.0016 | -2.5 to 2.5 | Pass |
| | | | | 30 | 120 | 3.669 | 0.0021 | -2.5 to 2.5 | Pass |
| | | | | 40 | 120 | 4.147 | 0.0024 | -2.5 to 2.5 | Pass |
| | | | | 50 | 120 | 4.280 | 0.0025 | -2.5 to 2.5 | Pass |
| | 1745 | 100 | 0 | 20 | 102 | -2.731 | -0.0016 | -2.5 to 2.5 | Pass |
| | | | | | 120 | -2.965 | -0.0017 | -2.5 to 2.5 | Pass |
| | | | | | 138 | -2.871 | -0.0016 | -2.5 to 2.5 | Pass |
| | | | | -30 | 120 | -2.196 | -0.0013 | -2.5 to 2.5 | Pass |
| | | | | -20 | 120 | -2.907 | -0.0017 | -2.5 to 2.5 | Pass |
| | | | | -10 | 120 | -2.876 | -0.0016 | -2.5 to 2.5 | Pass |
| | | | | 0 | 120 | -3.130 | -0.0018 | -2.5 to 2.5 | Pass |
| | | | | 10 | 120 | -2.912 | -0.0017 | -2.5 to 2.5 | Pass |
| | | | | 30 | 120 | -2.484 | -0.0014 | -2.5 to 2.5 | Pass |
| | | | | 40 | 120 | -3.241 | -0.0019 | -2.5 to 2.5 | Pass |
| | | | | 50 | 120 | -2.883 | -0.0017 | -2.5 to 2.5 | Pass |
| | 1770 | 100 | 0 | 20 | 102 | 0.619 | 0.0003 | -2.5 to 2.5 | Pass |
| | | | | | 120 | -0.827 | -0.0005 | -2.5 to 2.5 | Pass |
| | | | | | 138 | 0.787 | 0.0004 | -2.5 to 2.5 | Pass |
| | | | | -30 | 120 | 1.002 | 0.0006 | -2.5 to 2.5 | Pass |
| | | | | -20 | 120 | 0.994 | 0.0006 | -2.5 to 2.5 | Pass |
| | | | | -10 | 120 | 1.391 | 0.0008 | -2.5 to 2.5 | Pass |
| | | | | 0 | 120 | 0.828 | 0.0005 | -2.5 to 2.5 | Pass |
| | | | | 10 | 120 | 1.036 | 0.0006 | -2.5 to 2.5 | Pass |
| | | | | 30 | 120 | 0.270 | 0.0002 | -2.5 to 2.5 | Pass |
| | | | | 40 | 120 | 0.362 | 0.0002 | -2.5 to 2.5 | Pass |
| | | | | 50 | 120 | 0.282 | 0.0002 | -2.5 to 2.5 | Pass |
| 64QAM | 1720 | 100 | 0 | 20 | 102 | 4.933 | 0.0029 | -2.5 to 2.5 | Pass |
| | | | | | 120 | 4.185 | 0.0024 | -2.5 to 2.5 | Pass |
| | | | | | 138 | 4.114 | 0.0024 | -2.5 to 2.5 | Pass |
| | | | | -30 | 120 | 3.057 | 0.0018 | -2.5 to 2.5 | Pass |
| | | | | -20 | 120 | 3.898 | 0.0023 | -2.5 to 2.5 | Pass |
| | | | | -10 | 120 | 3.856 | 0.0022 | -2.5 to 2.5 | Pass |
| | | | | 0 | 120 | 3.399 | 0.0020 | -2.5 to 2.5 | Pass |
| | | | | 10 | 120 | 3.722 | 0.0022 | -2.5 to 2.5 | Pass |
| | | | | 30 | 120 | 3.295 | 0.0019 | -2.5 to 2.5 | Pass |
| | | | | 40 | 120 | 3.122 | 0.0018 | -2.5 to 2.5 | Pass |
| | | | | 50 | 120 | 2.635 | 0.0015 | -2.5 to 2.5 | Pass |
| | 1745 | 100 | 0 | 20 | 102 | -2.649 | -0.0015 | -2.5 to 2.5 | Pass |
| | | | | | 120 | -2.168 | -0.0012 | -2.5 to 2.5 | Pass |
| | | | | | 138 | -3.575 | -0.0020 | -2.5 to 2.5 | Pass |
| | | | | -30 | 120 | -2.364 | -0.0014 | -2.5 to 2.5 | Pass |
| | | | | -20 | 120 | -2.569 | -0.0015 | -2.5 to 2.5 | Pass |
| | | | | -10 | 120 | -2.995 | -0.0017 | -2.5 to 2.5 | Pass |
| | | | | 0 | 120 | -2.024 | -0.0012 | -2.5 to 2.5 | Pass |
| | | | | 10 | 120 | -2.541 | -0.0015 | -2.5 to 2.5 | Pass |
| | | | | 30 | 120 | -2.909 | -0.0017 | -2.5 to 2.5 | Pass |
| | | | | 40 | 120 | -3.120 | -0.0018 | -2.5 to 2.5 | Pass |
| | | | | 50 | 120 | -3.078 | -0.0018 | -2.5 to 2.5 | Pass |
| | 1770 | 100 | 0 | 20 | 102 | 0.836 | 0.0005 | -2.5 to 2.5 | Pass |
| | | | | | 120 | 0.870 | 0.0005 | -2.5 to 2.5 | Pass |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | 138 | 0.480 | 0.0003 | -2.5 to 2.5 | Pass |
| | | | | -30 | 120 | 1.082 | 0.0006 | -2.5 to 2.5 | Pass |
| | | | | -20 | 120 | 1.299 | 0.0007 | -2.5 to 2.5 | Pass |
| | | | | -10 | 120 | 0.929 | 0.0005 | -2.5 to 2.5 | Pass |
| | | | | 0 | 120 | 0.609 | 0.0003 | -2.5 to 2.5 | Pass |
| | | | | 10 | 120 | 1.465 | 0.0008 | -2.5 to 2.5 | Pass |
| | | | | 30 | 120 | 0.453 | 0.0003 | -2.5 to 2.5 | Pass |
| | | | | 40 | 120 | 1.124 | 0.0006 | -2.5 to 2.5 | Pass |
| | | | | 50 | 120 | 1.454 | 0.0008 | -2.5 to 2.5 | Pass |

# 3. 99% & 26dB Bandwidth

## 3.1 Band66_OBW

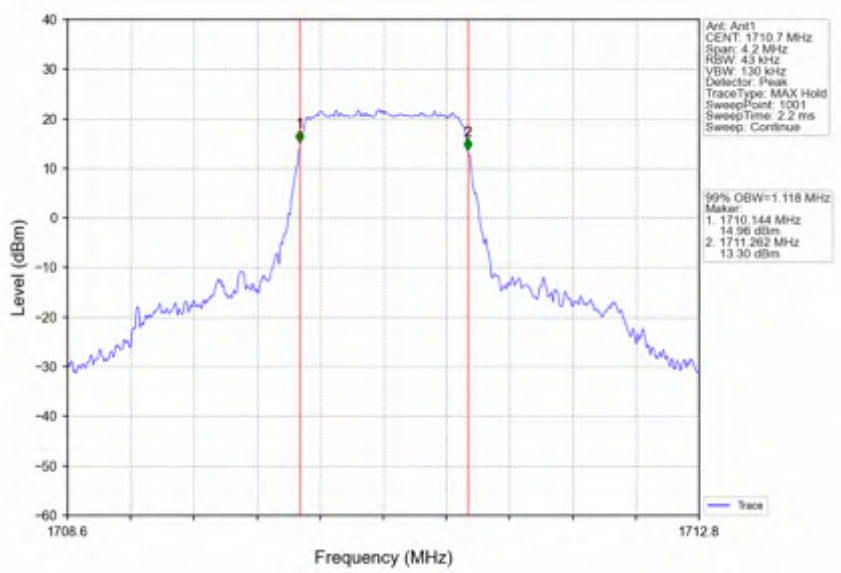
### 3.1.1 Test Result

| Band: 66 / NTNV | | | | | | | |
|---|---|---|---|---|---|---|---|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation | | 99% Occupied Bandwidth (MHz) | | Verdict |
| | | | Size | Offset | Result | Limit | |
| 1.4 | QPSK | 1710.7 | 6 | 0 | 1.118 | / | Pass |
| | | 1745 | 6 | 0 | 1.115 | / | Pass |
| | | 1779.3 | 6 | 0 | 1.114 | / | Pass |
| | 16QAM | 1710.7 | 6 | 0 | 1.114 | / | Pass |
| | | 1745 | 6 | 0 | 1.112 | / | Pass |
| | | 1779.3 | 6 | 0 | 1.118 | / | Pass |
| | 64QAM | 1710.7 | 6 | 0 | 1.119 | / | Pass |
| | | 1745 | 6 | 0 | 1.110 | / | Pass |
| | | 1779.3 | 6 | 0 | 1.107 | / | Pass |
| 3 | QPSK | 1711.5 | 15 | 0 | 2.746 | / | Pass |
| | | 1745 | 15 | 0 | 2.732 | / | Pass |
| | | 1778.5 | 15 | 0 | 2.738 | / | Pass |
| | 16QAM | 1711.5 | 15 | 0 | 2.726 | / | Pass |
| | | 1745 | 15 | 0 | 2.758 | / | Pass |
| | | 1778.5 | 15 | 0 | 2.735 | / | Pass |
| | 64QAM | 1711.5 | 15 | 0 | 2.741 | / | Pass |
| | | 1745 | 15 | 0 | 2.753 | / | Pass |
| | | 1778.5 | 15 | 0 | 2.741 | / | Pass |
| 5 | QPSK | 1712.5 | 25 | 0 | 4.551 | / | Pass |
| | | 1745 | 25 | 0 | 4.553 | / | Pass |
| | | 1777.5 | 25 | 0 | 4.539 | / | Pass |
| | 16QAM | 1712.5 | 25 | 0 | 4.545 | / | Pass |
| | | 1745 | 25 | 0 | 4.534 | / | Pass |
| | | 1777.5 | 25 | 0 | 4.579 | / | Pass |
| | 64QAM | 1712.5 | 25 | 0 | 4.550 | / | Pass |
| | | 1745 | 25 | 0 | 4.537 | / | Pass |
| | | 1777.5 | 25 | 0 | 4.551 | / | Pass |
| 10 | QPSK | 1715 | 50 | 0 | 9.014 | / | Pass |
| | | 1745 | 50 | 0 | 9.023 | / | Pass |
| | | 1775 | 50 | 0 | 9.053 | / | Pass |
| | 16QAM | 1715 | 50 | 0 | 9.034 | / | Pass |
| | | 1745 | 50 | 0 | 9.025 | / | Pass |
| | | 1775 | 50 | 0 | 9.012 | / | Pass |
| | 64QAM | 1715 | 50 | 0 | 9.030 | / | Pass |
| | | 1745 | 50 | 0 | 9.007 | / | Pass |
| | | 1775 | 50 | 0 | 9.043 | / | Pass |

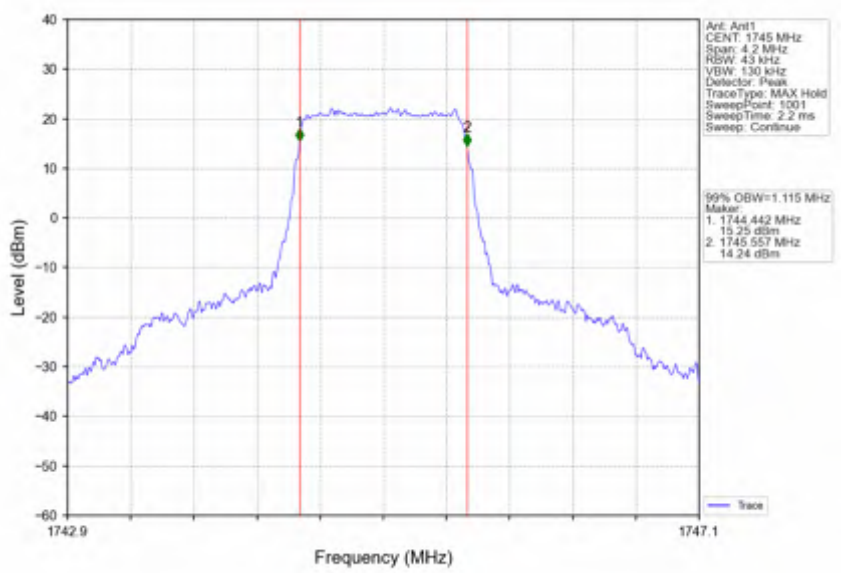
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 15 | QPSK | 1717.5 | 75 | 0 | 13.516 | / | Pass |
| | | 1745 | 75 | 0 | 13.506 | / | Pass |
| | | 1772.5 | 75 | 0 | 13.507 | / | Pass |
| | 16QAM | 1717.5 | 75 | 0 | 13.533 | / | Pass |
| | | 1745 | 75 | 0 | 13.539 | / | Pass |
| | | 1772.5 | 75 | 0 | 13.523 | / | Pass |
| | 64QAM | 1717.5 | 75 | 0 | 13.512 | / | Pass |
| | | 1745 | 75 | 0 | 13.526 | / | Pass |
| | | 1772.5 | 75 | 0 | 13.554 | / | Pass |
| 20 | QPSK | 1720 | 100 | 0 | 18.067 | / | Pass |
| | | 1745 | 100 | 0 | 18.057 | / | Pass |
| | | 1770 | 100 | 0 | 18.053 | / | Pass |
| | 16QAM | 1720 | 100 | 0 | 18.110 | / | Pass |
| | | 1745 | 100 | 0 | 18.023 | / | Pass |
| | | 1770 | 100 | 0 | 18.012 | / | Pass |
| | 64QAM | 1720 | 100 | 0 | 17.967 | / | Pass |
| | | 1745 | 100 | 0 | 18.009 | / | Pass |
| | | 1770 | 100 | 0 | 18.002 | / | Pass |

### 3.1.2 Test Graph

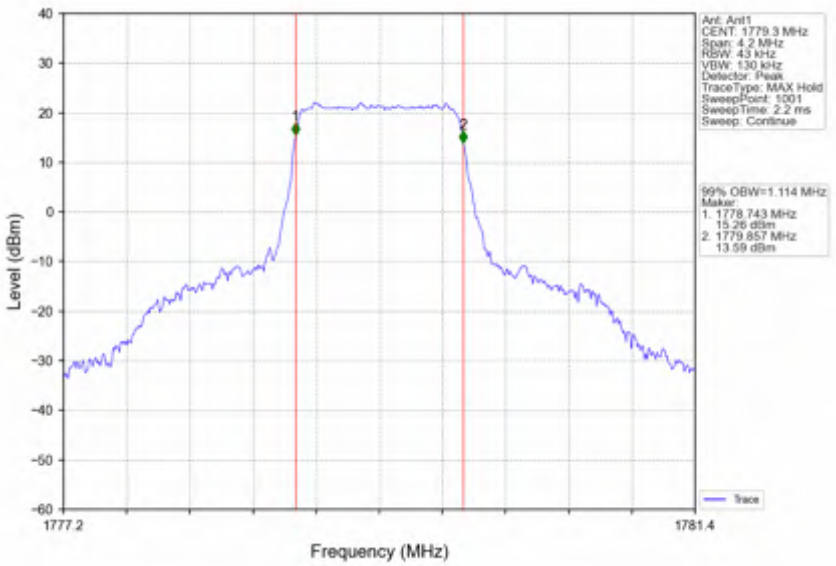
Band66_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



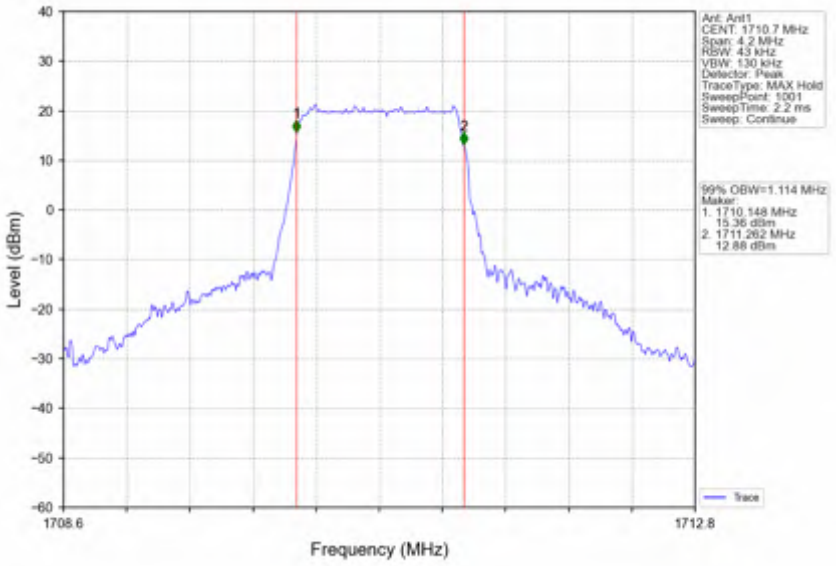

Band66_1.4MHz_QPSK_MCH_1745MHz_RB_6_0_NTNV



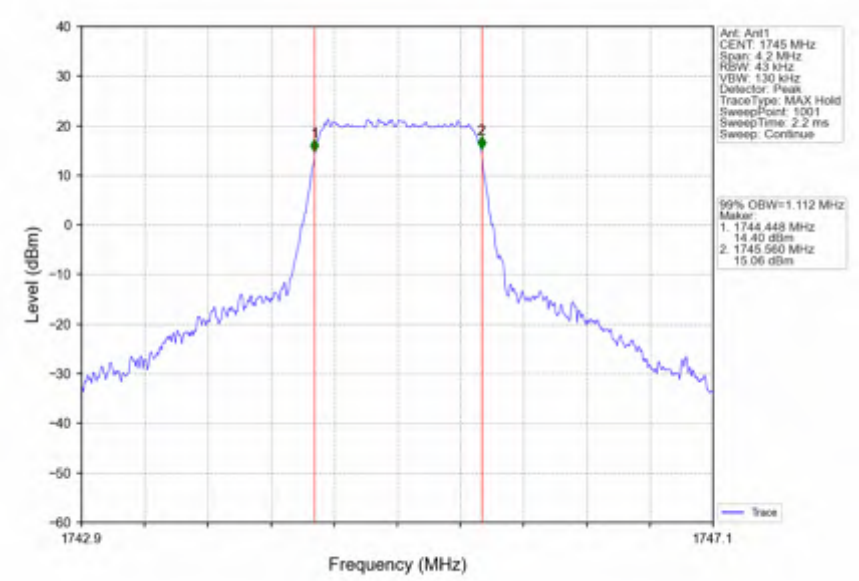
Band66_1.4MHz_QPSK_HCH_1779.3MHz_RB_6_0_NTNV



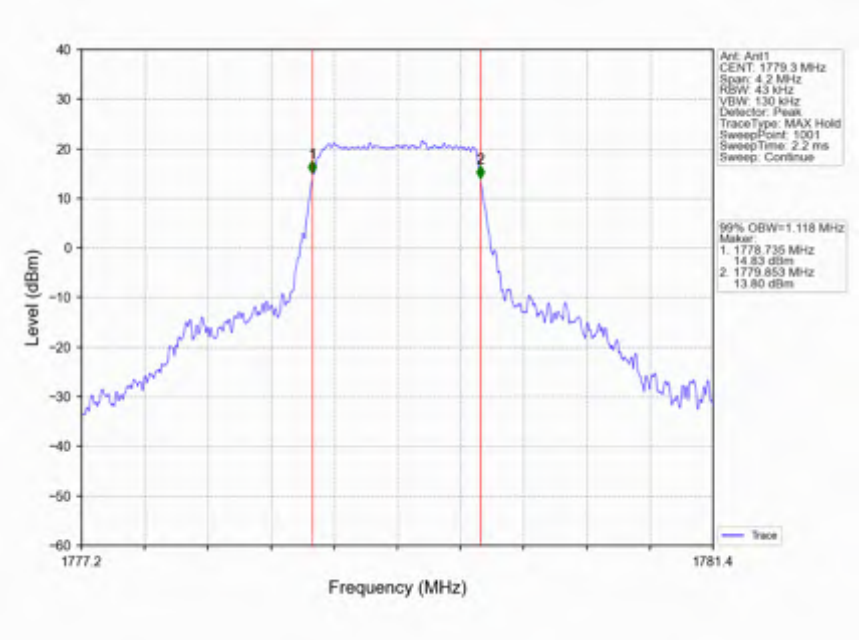

Band66_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



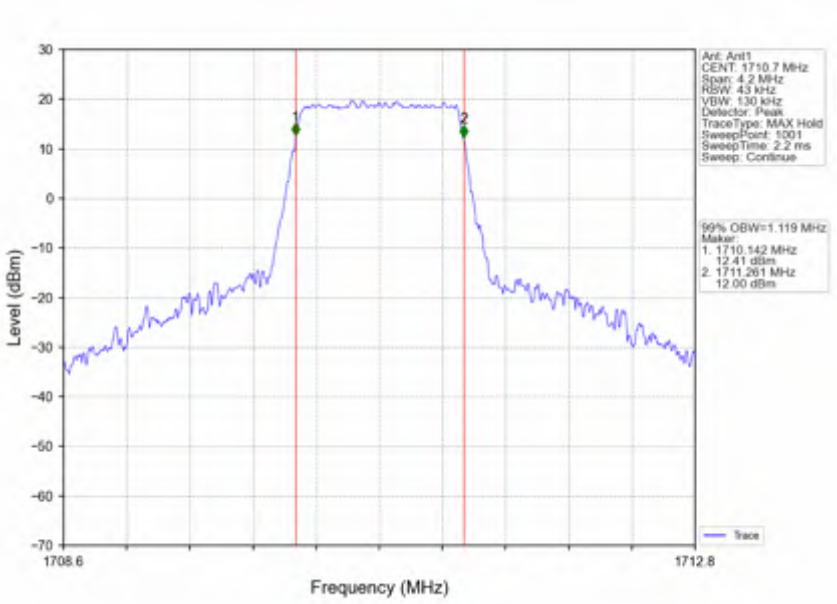
Band66_1.4MHz_16QAM_MCH_1745MHz_RB_6_0_NTNV



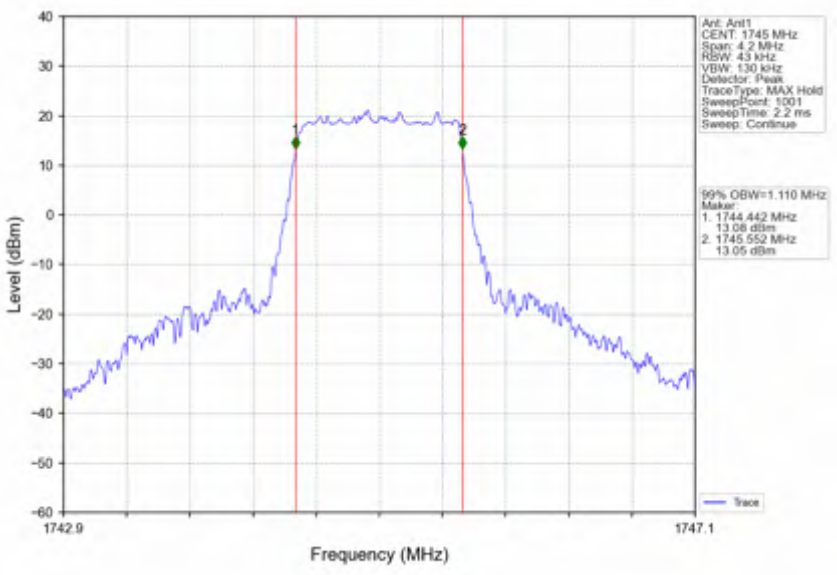

Band66_1.4MHz_16QAM_HCH_1779.3MHz_RB_6_0_NTNV



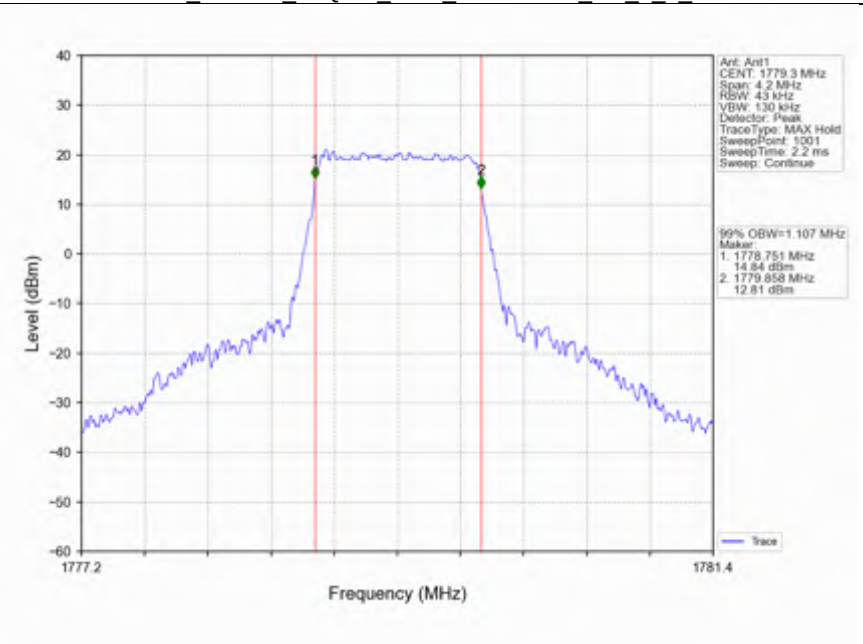
Band66_1.4MHz_64QAM_LCH_1710.7MHz_RB_6_0_NTNV



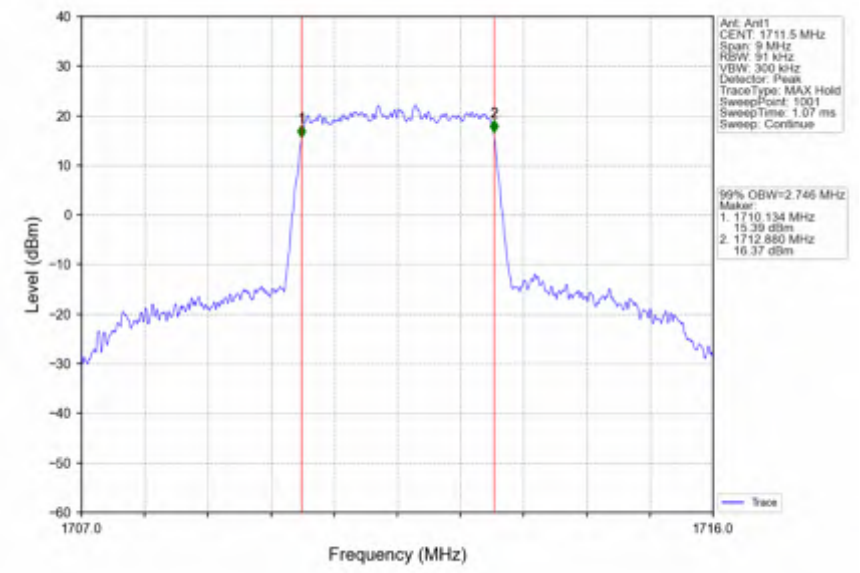

Band66_1.4MHz_64QAM_MCH_1745MHz_RB_6_0_NTNV



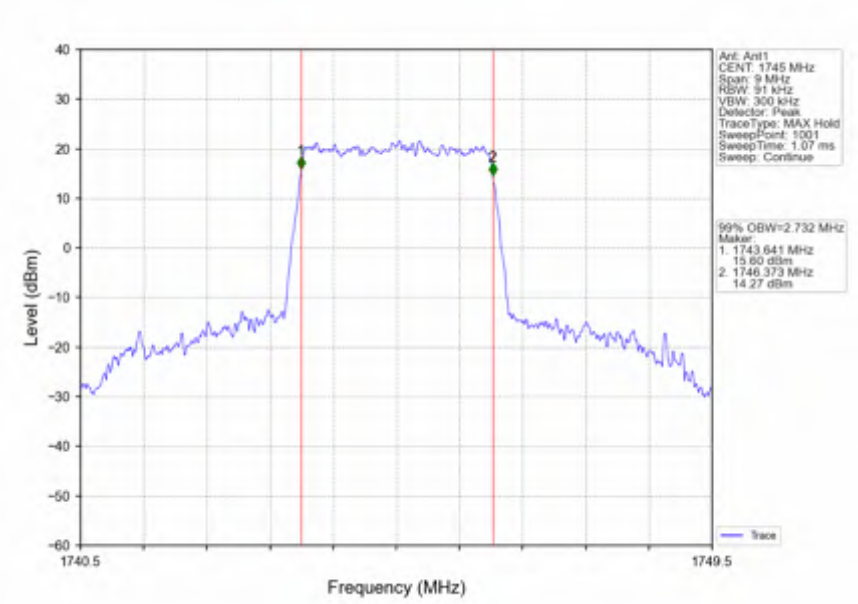
Band66_1.4MHz_64QAM_HCH_1779.3MHz_RB_6_0_NTNV



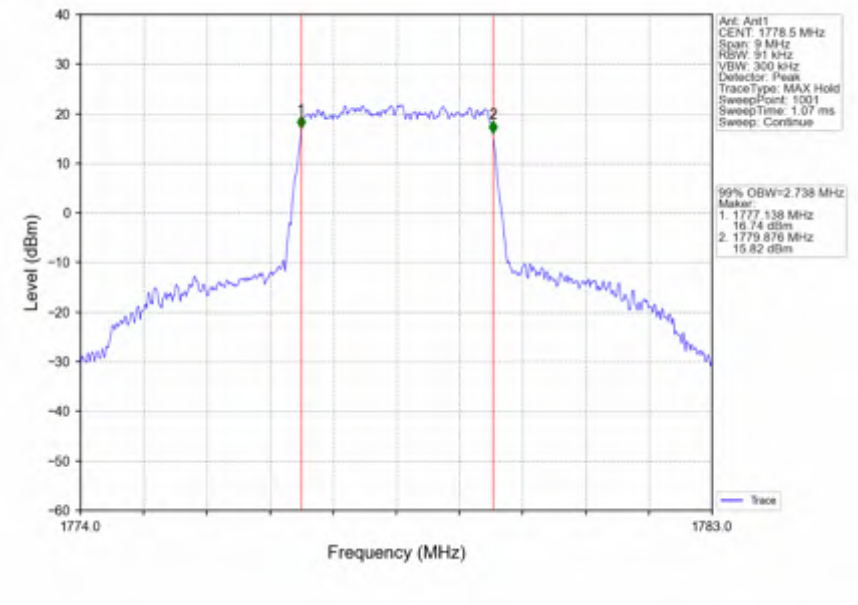

Band66_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



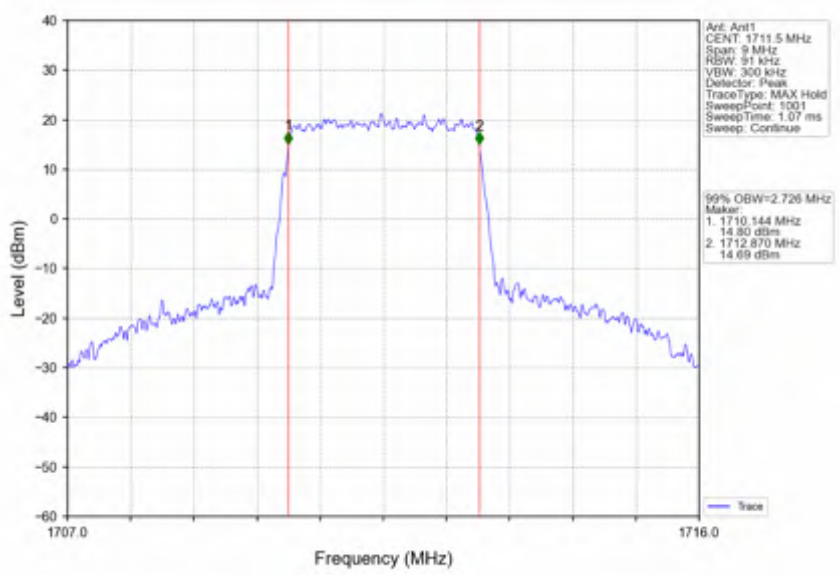
Band66_3MHz_QPSK_MCH_1745MHz_RB_15_0_NTNV



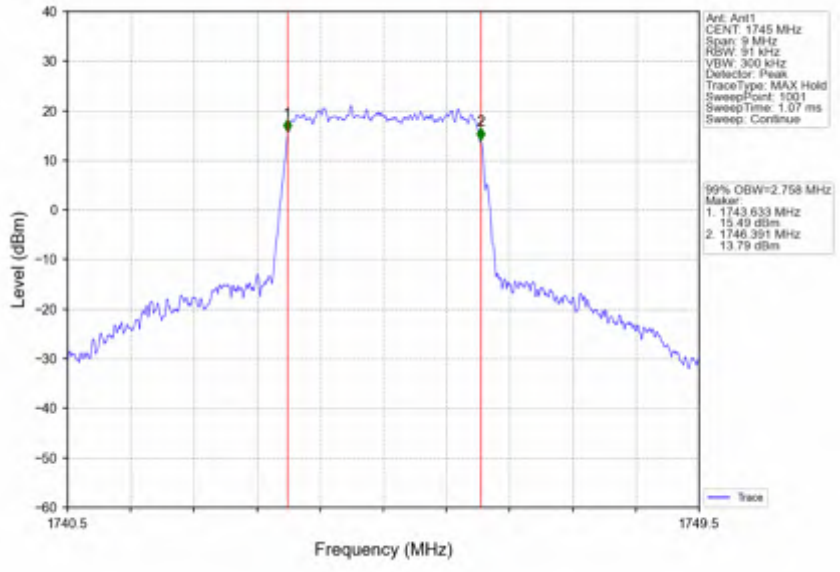

Band66_3MHz_QPSK_HCH_1778.5MHz_RB_15_0_NTNV



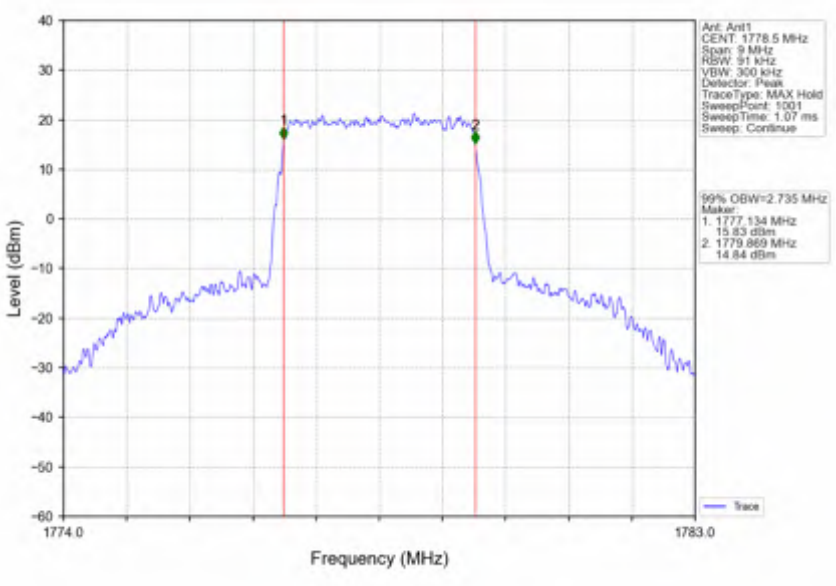
Band66_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



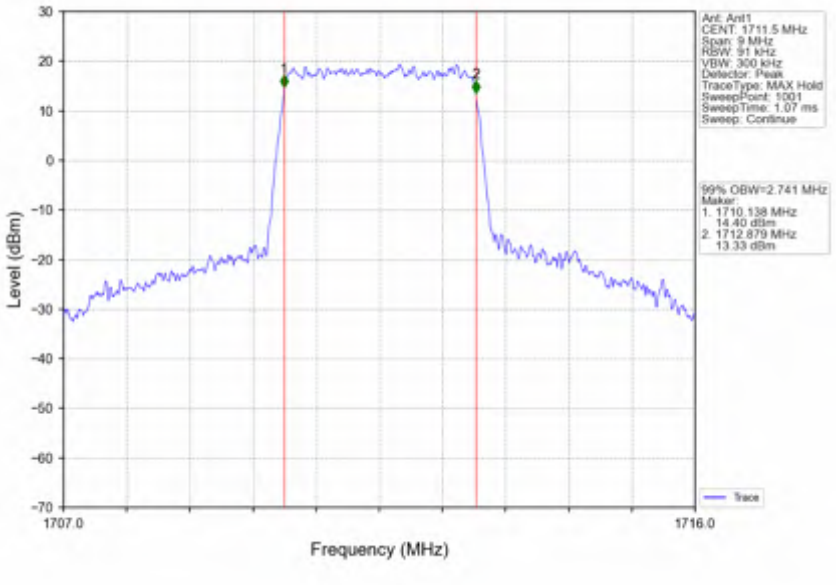

Band66_3MHz_16QAM_MCH_1745MHz_RB_15_0_NTNV



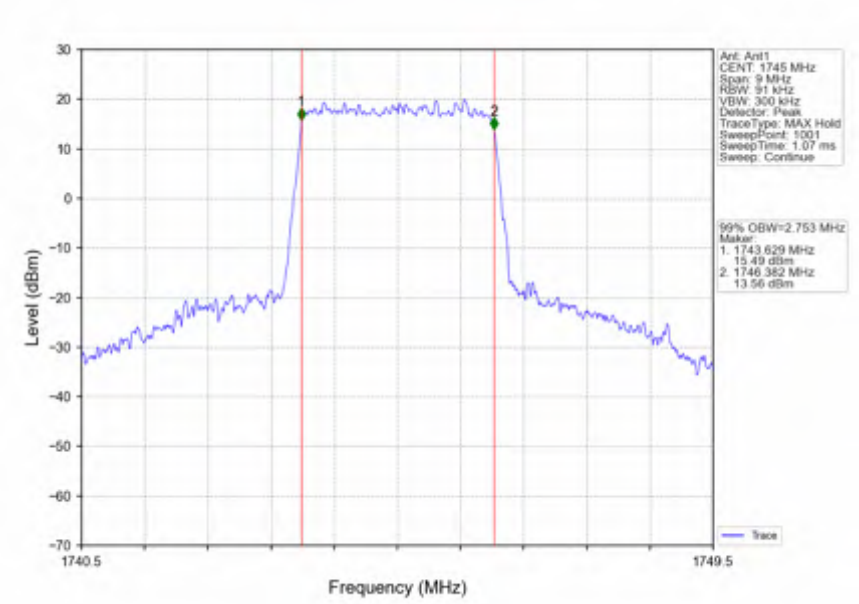
Band66_3MHz_16QAM_HCH_1778.5MHz_RB_15_0_NTNV



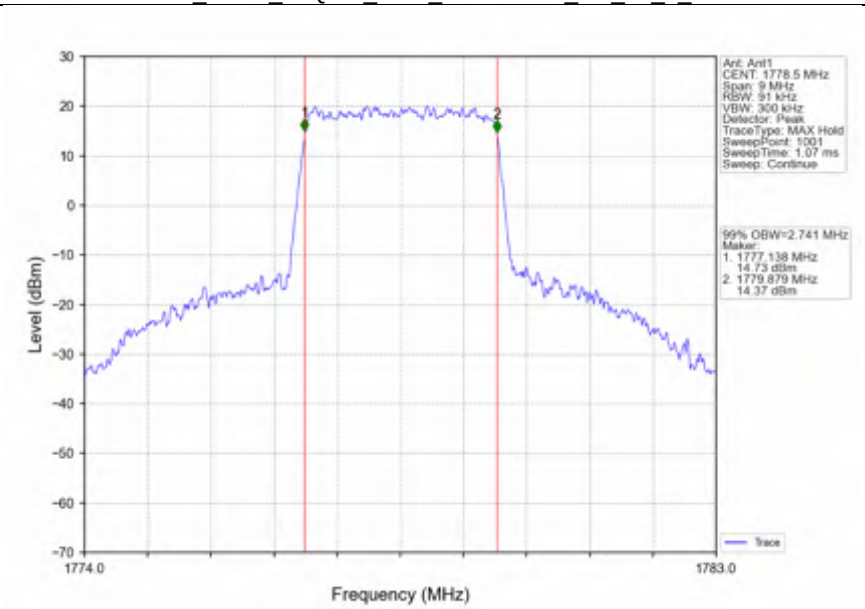

Band66_3MHz_64QAM_LCH_1711.5MHz_RB_15_0_NTNV



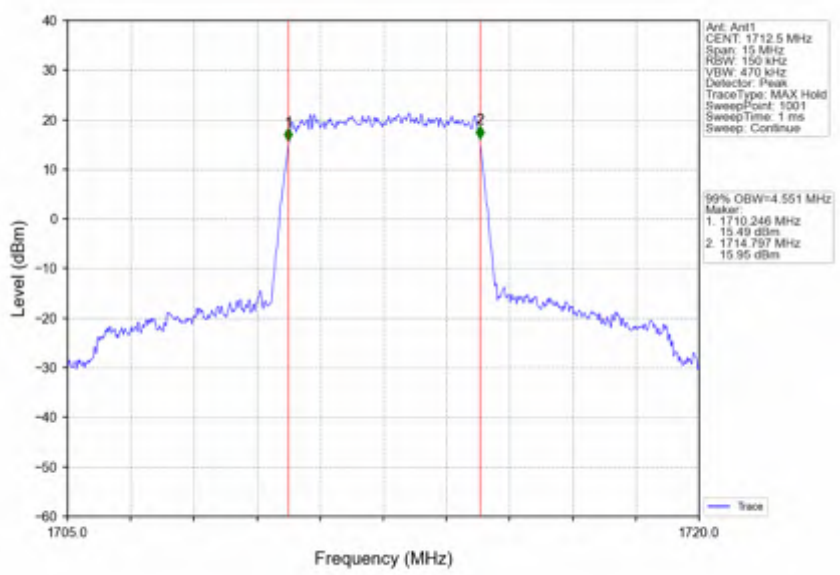
Band66_3MHz_64QAM_MCH_1745MHz_RB_15_0_NTNV



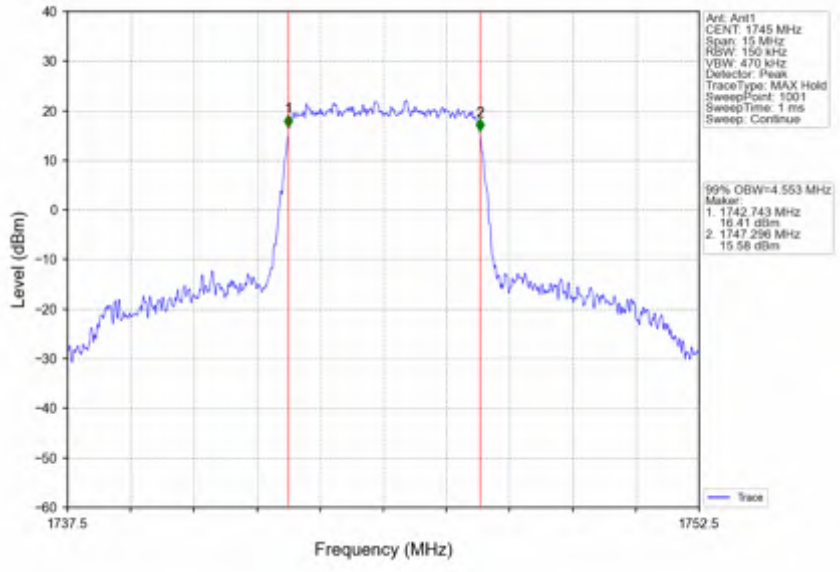

Band66_3MHz_64QAM_HCH_1778.5MHz_RB_15_0_NTNV



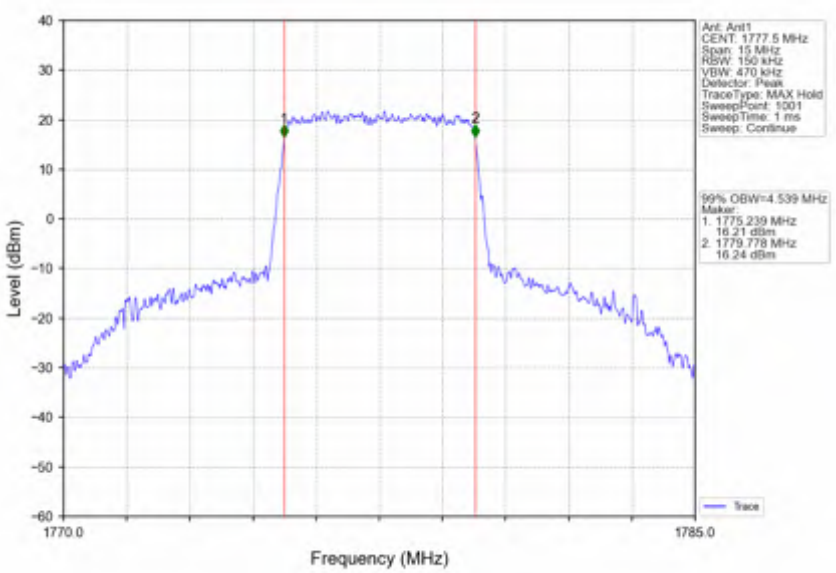
Band66_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



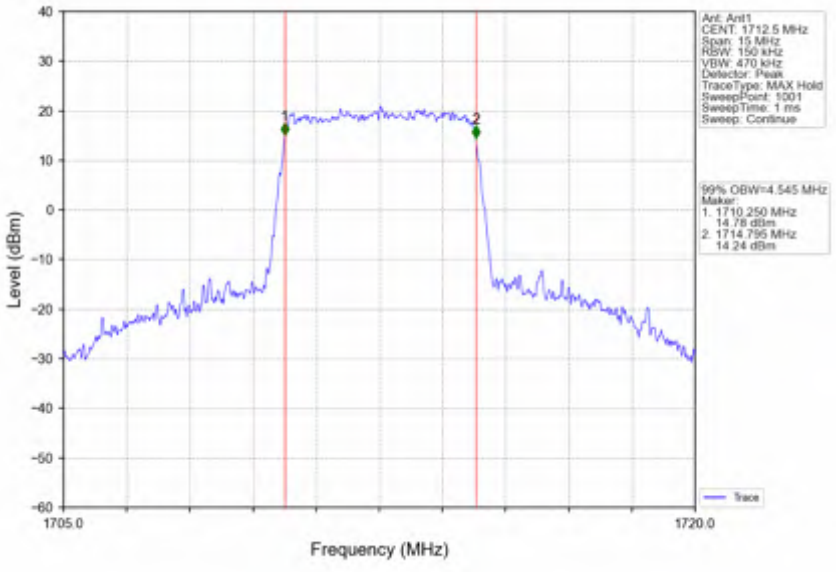

Band66_5MHz_QPSK_MCH_1745MHz_RB_25_0_NTNV



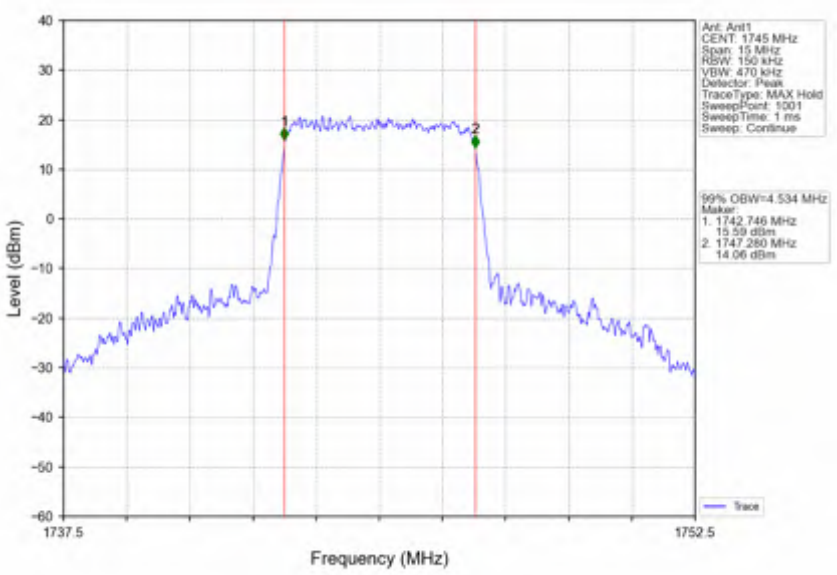
Band66_5MHz_QPSK_HCH_1777.5MHz_RB_25_0_NTNV



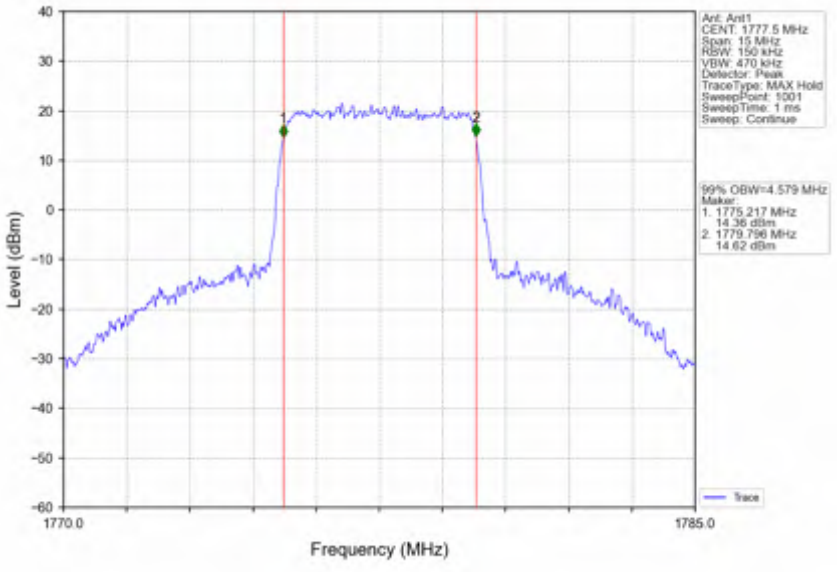

Band66_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



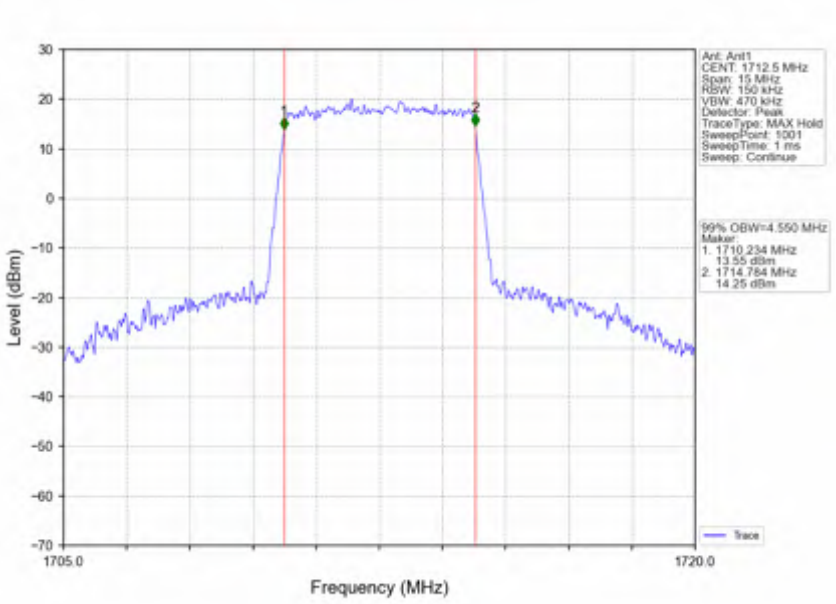
Band66_5MHz_16QAM_MCH_1745MHz_RB_25_0_NTNV



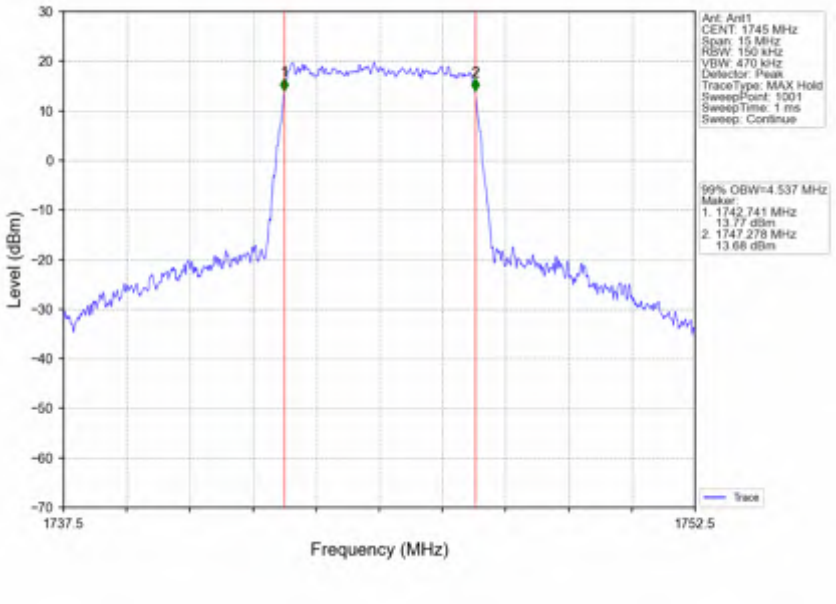

Band66_5MHz_16QAM_HCH_1777.5MHz_RB_25_0_NTNV



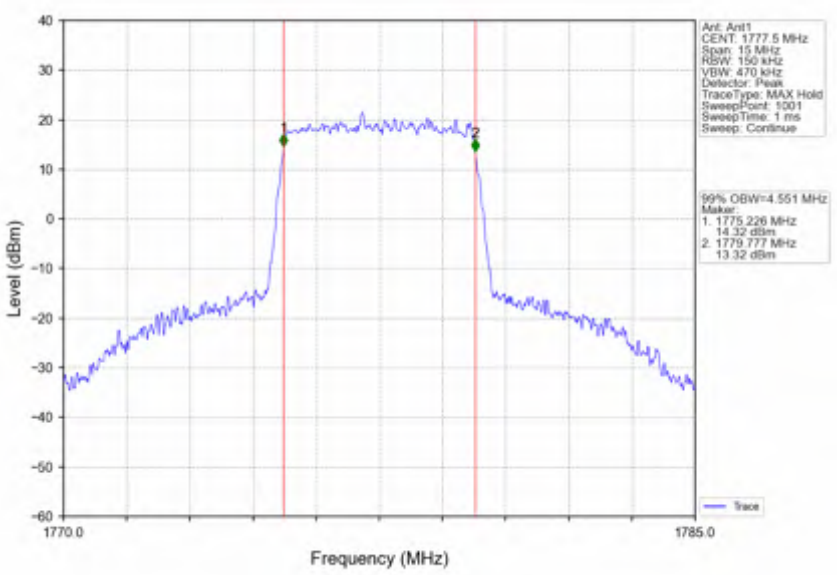
Band66_5MHz_64QAM_LCH_1712.5MHz_RB_25_0_NTNV



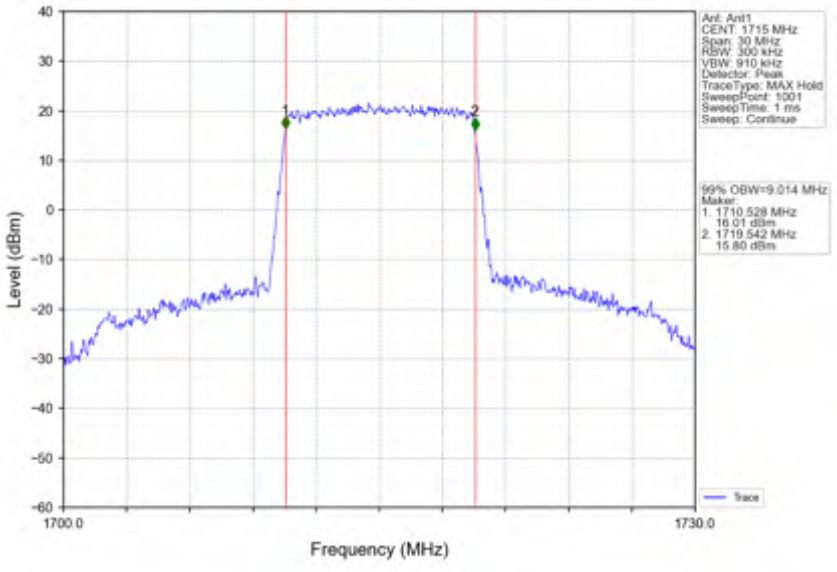

Band66_5MHz_64QAM_MCH_1745MHz_RB_25_0_NTNV



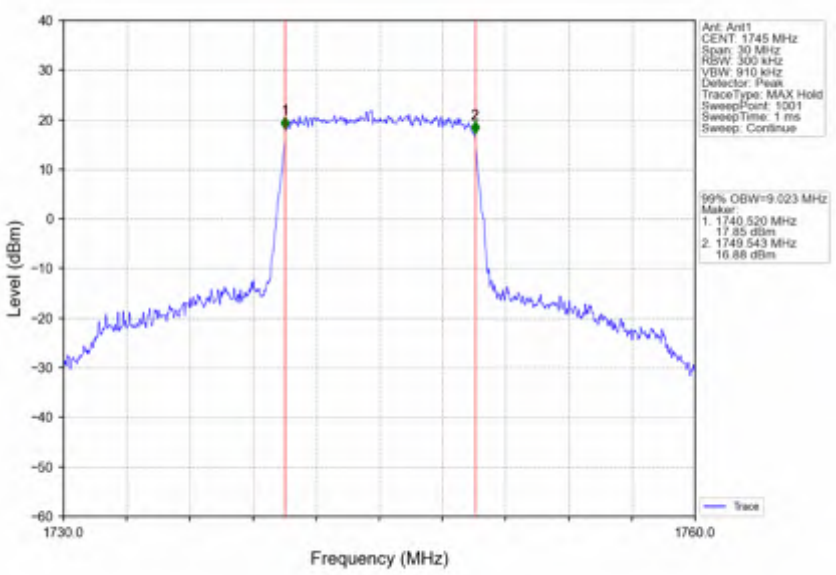
Band66_5MHz_64QAM_HCH_1777.5MHz_RB_25_0_NTNV



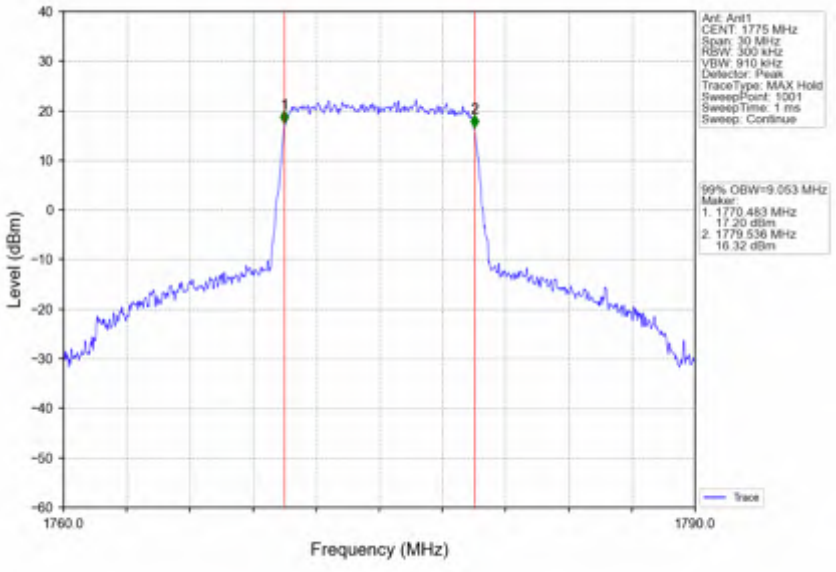

Band66_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



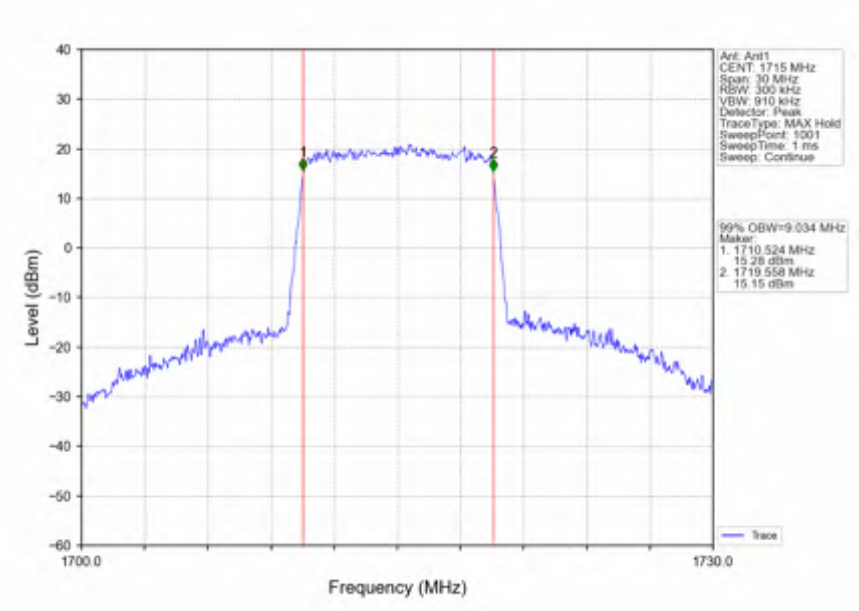
Band66_10MHz_QPSK_MCH_1745MHz_RB_50_0_NTNV



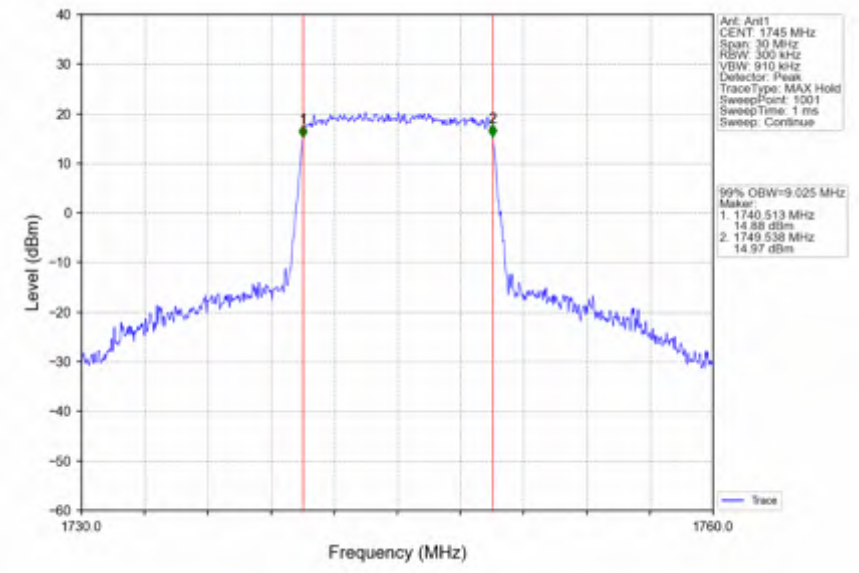

Band66_10MHz_QPSK_HCH_1775MHz_RB_50_0_NTNV



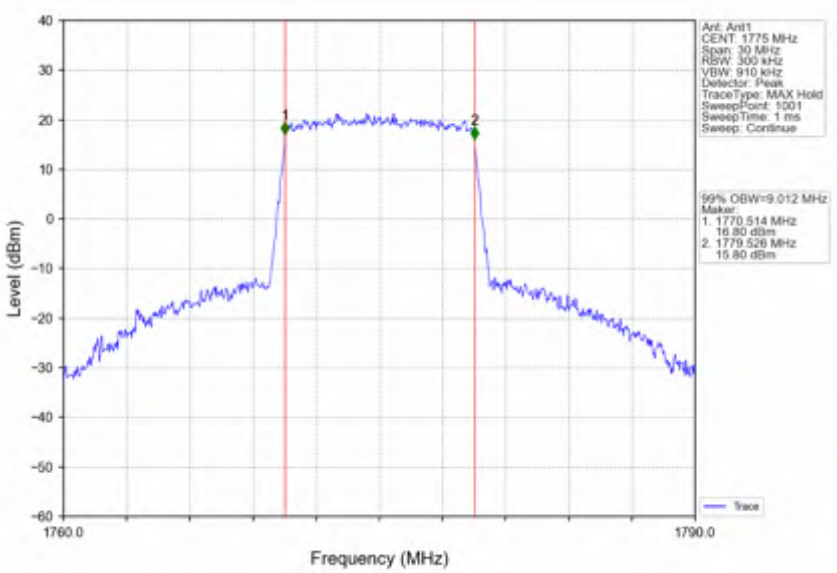
Band66_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



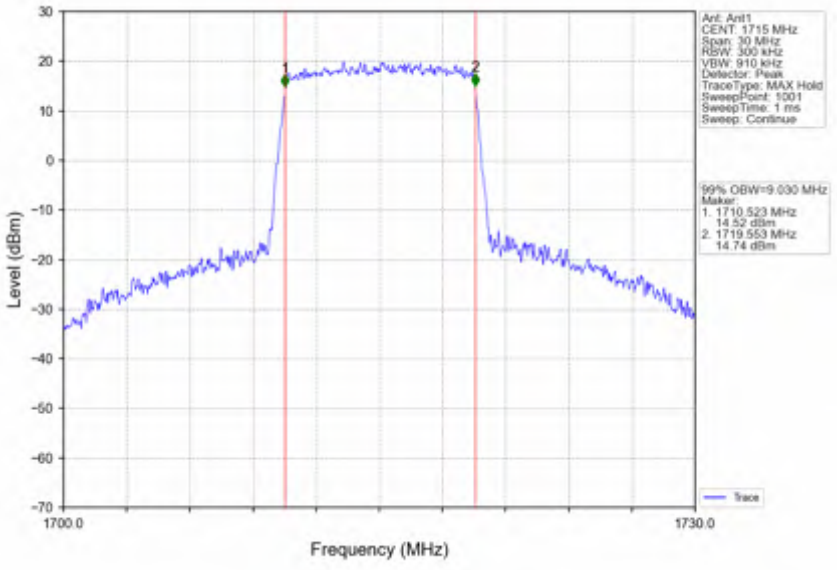

Band66_10MHz_16QAM_MCH_1745MHz_RB_50_0_NTNV



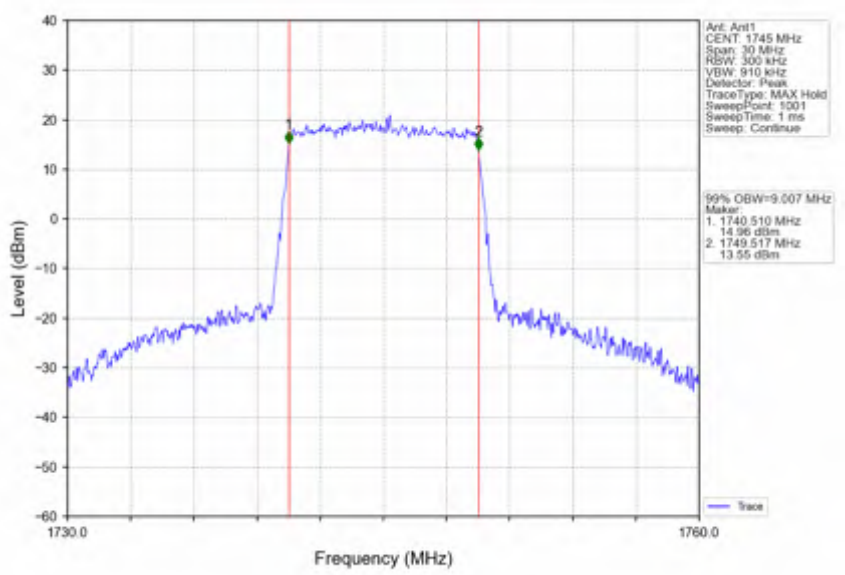
Band66_10MHz_16QAM_HCH_1775MHz_RB_50_0_NTNV



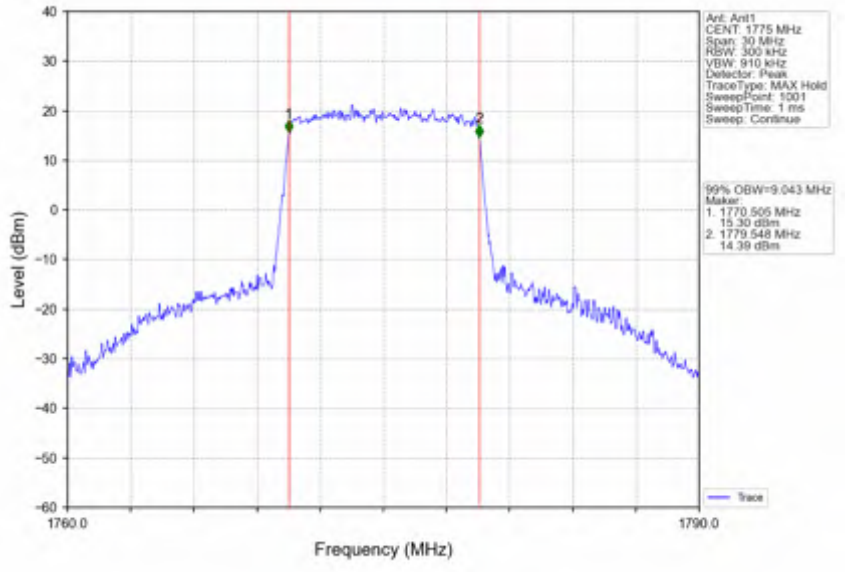

Band66_10MHz_64QAM_LCH_1715MHz_RB_50_0_NTNV



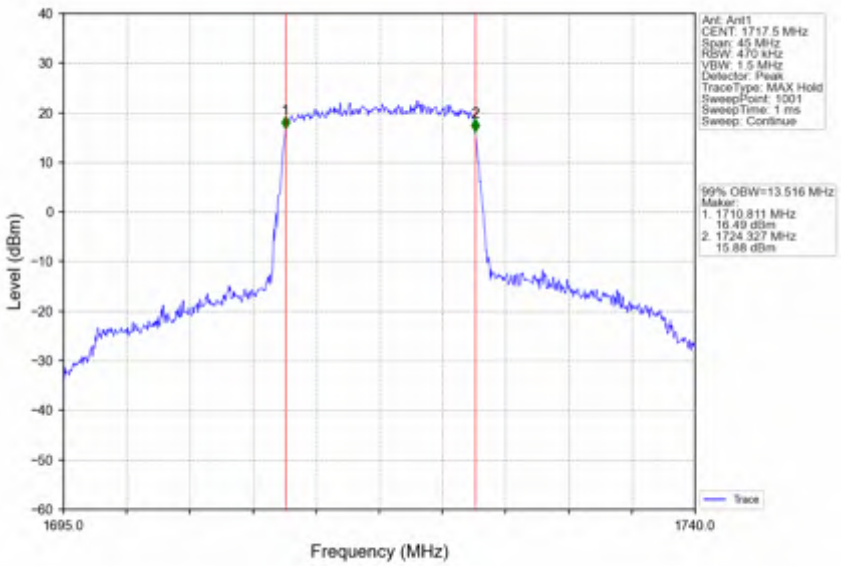
Band66_10MHz_64QAM_MCH_1745MHz_RB_50_0_NTNV



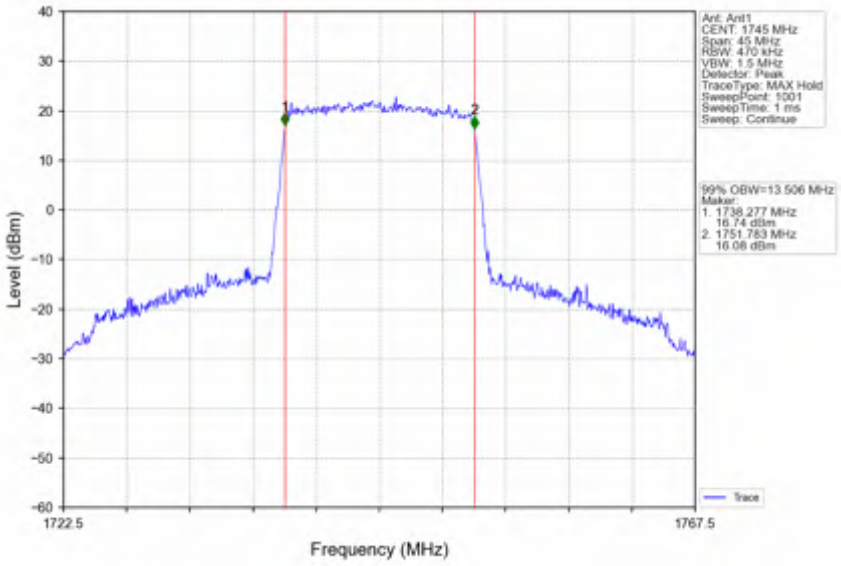

Band66_10MHz_64QAM_HCH_1775MHz_RB_50_0_NTNV



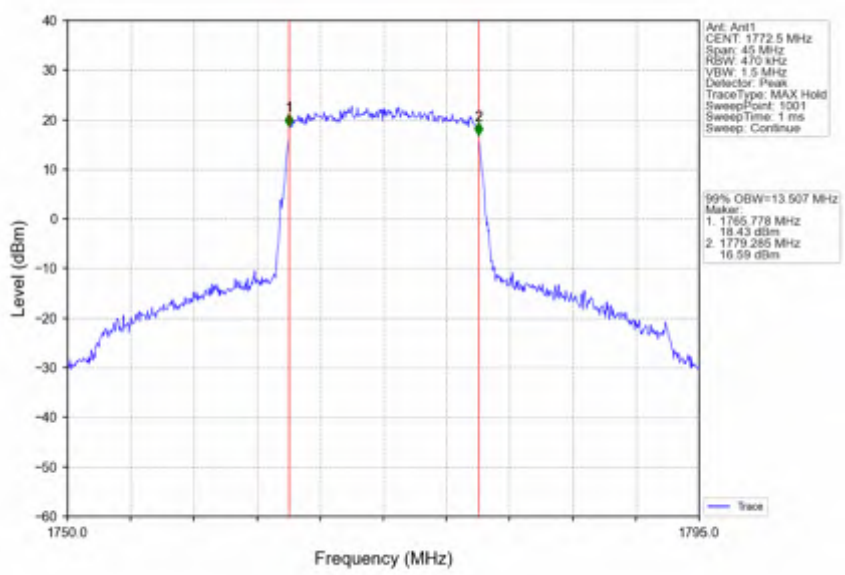
Band66_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



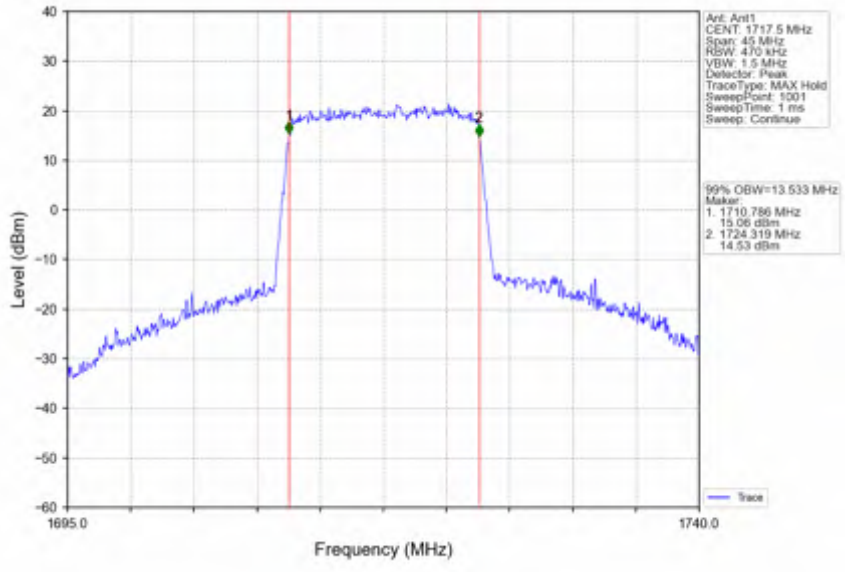

Band66_15MHz_QPSK_MCH_1745MHz_RB_75_0_NTNV



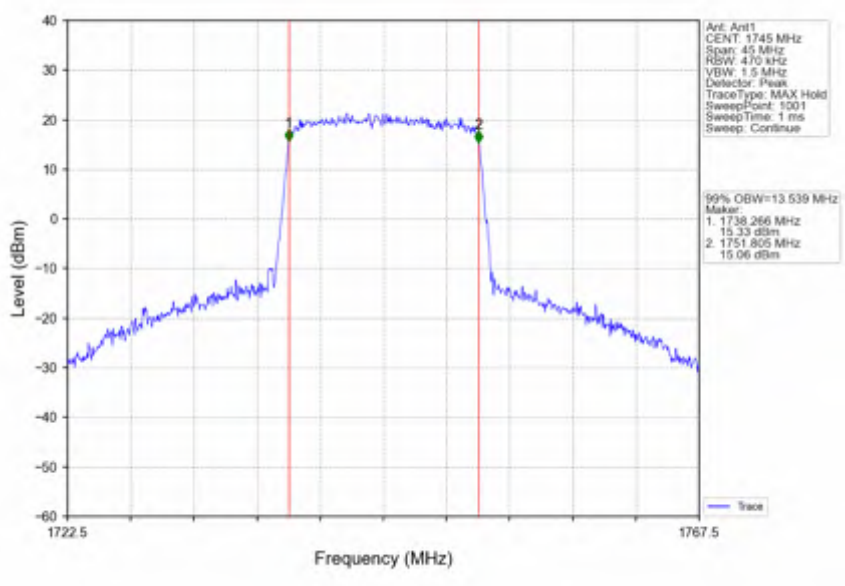
Band66_15MHz_QPSK_HCH_1772.5MHz_RB_75_0_NTNV



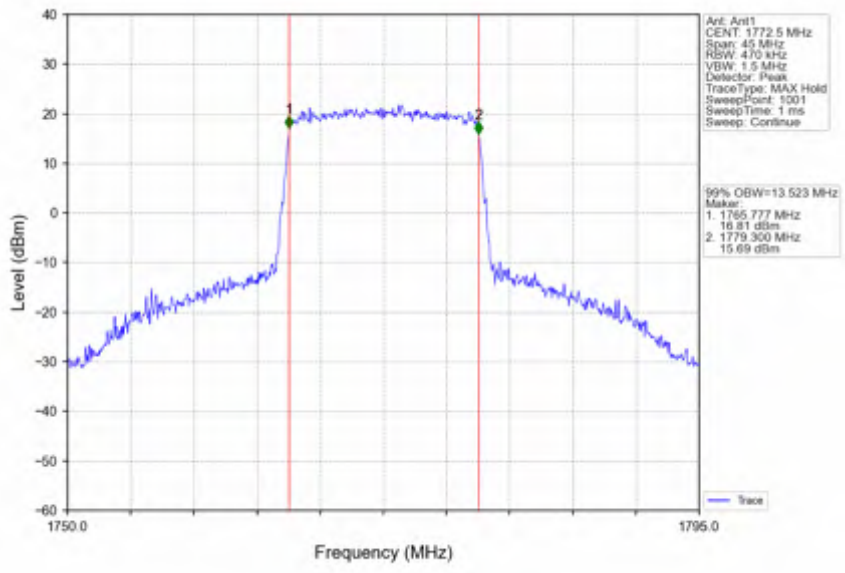

Band66_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



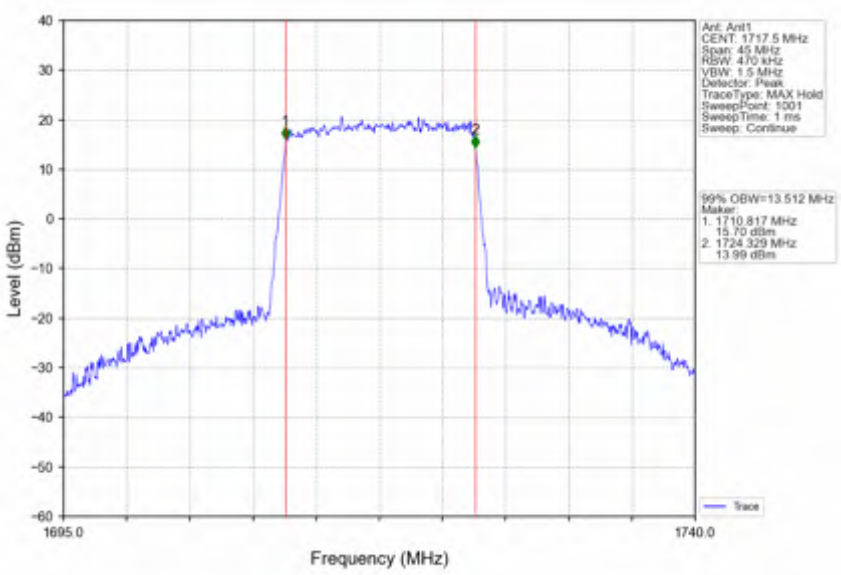
Band66_15MHz_16QAM_MCH_1745MHz_RB_75_0_NTNV



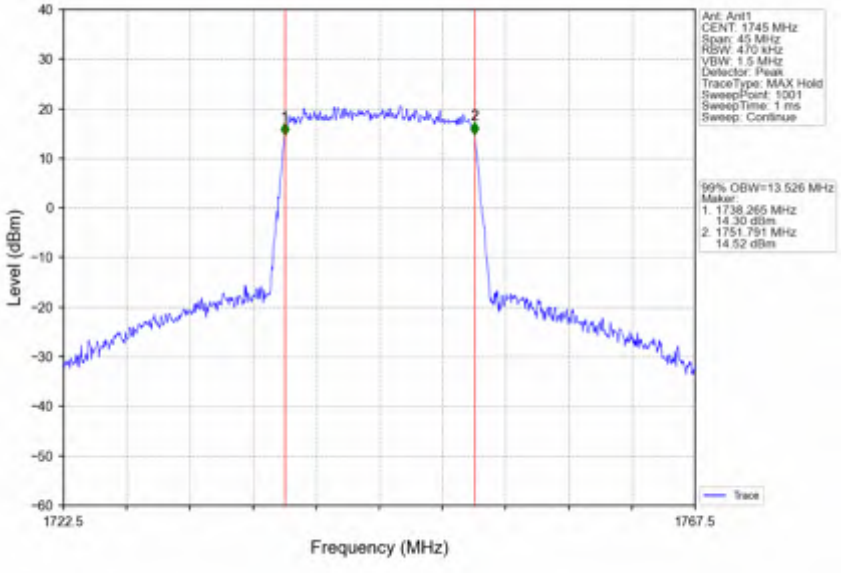

Band66_15MHz_16QAM_HCH_1772.5MHz_RB_75_0_NTNV



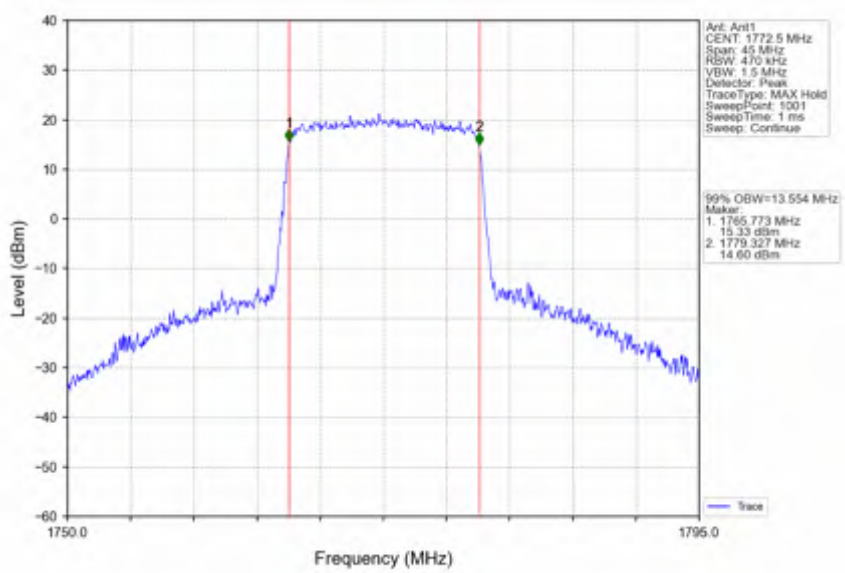
Band66_15MHz_64QAM_LCH_1717.5MHz_RB_75_0_NTNV



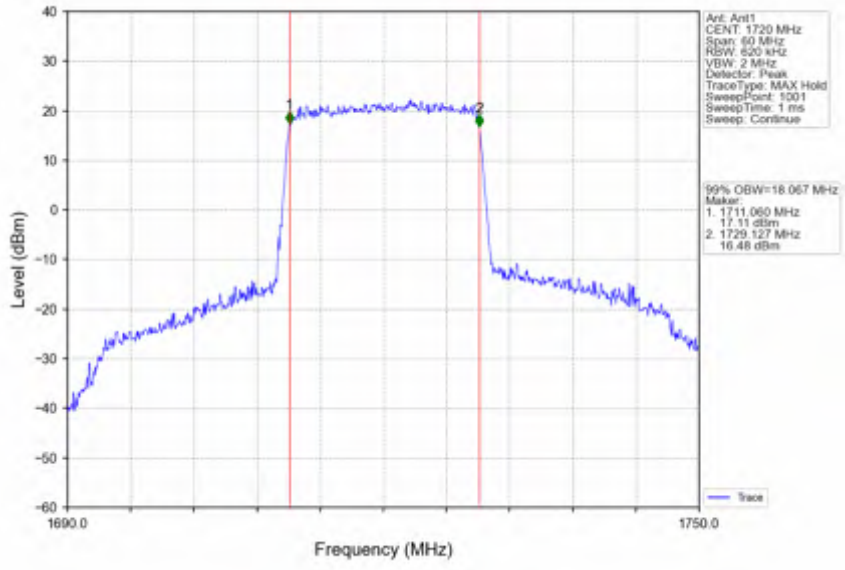

Band66_15MHz_64QAM_MCH_1745MHz_RB_75_0_NTNV



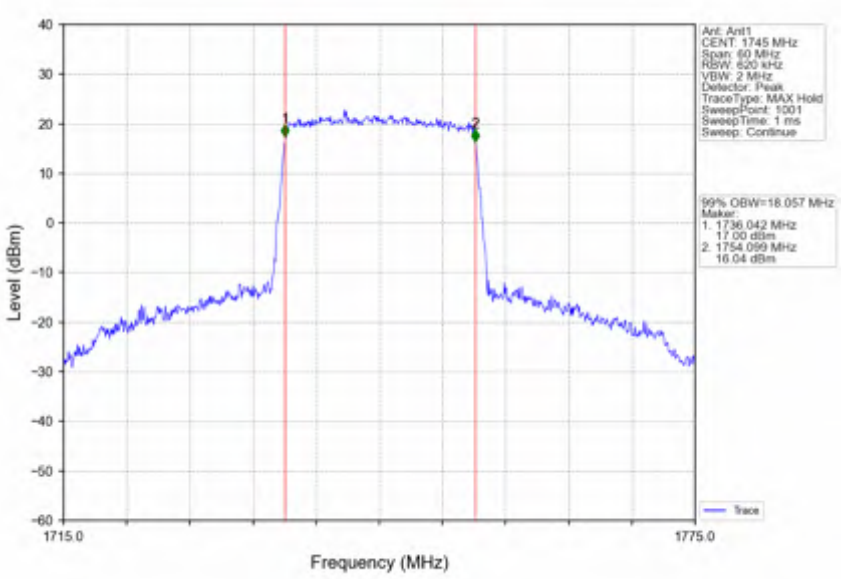
Band66_15MHz_64QAM_HCH_1772.5MHz_RB_75_0_NTNV



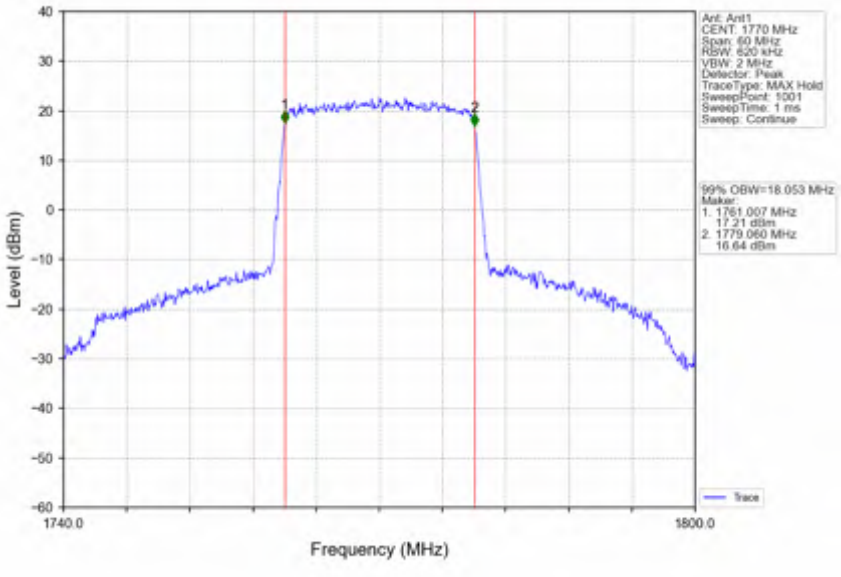

Band66_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



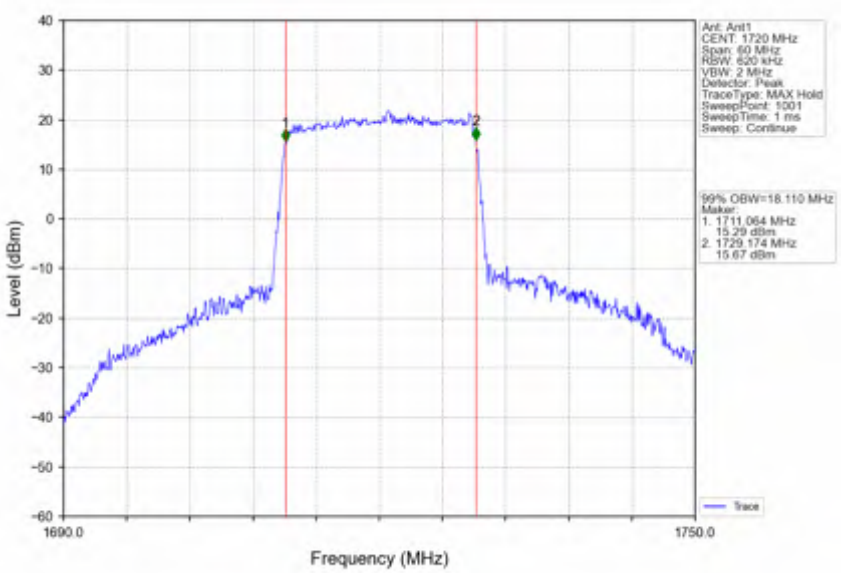
Band66_20MHz_QPSK_MCH_1745MHz_RB_100_0_NTNV



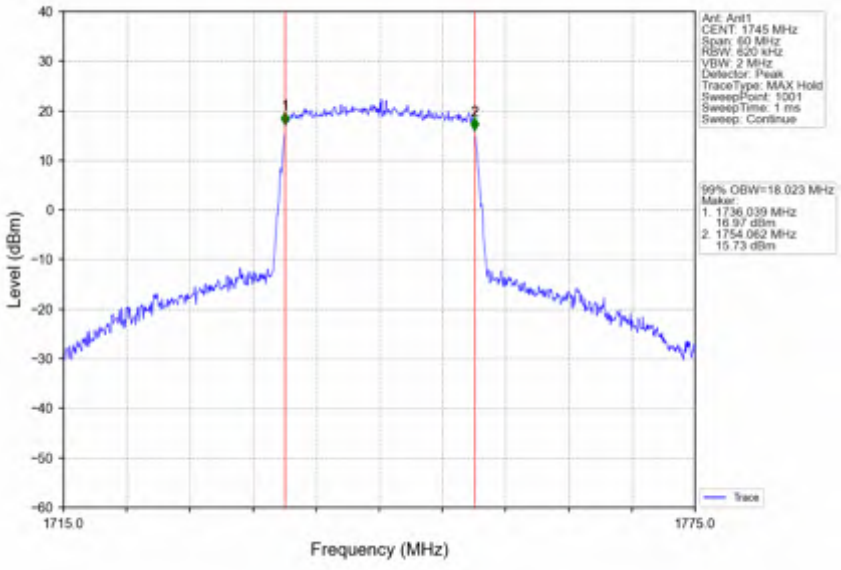

Band66_20MHz_QPSK_HCH_1770MHz_RB_100_0_NTNV



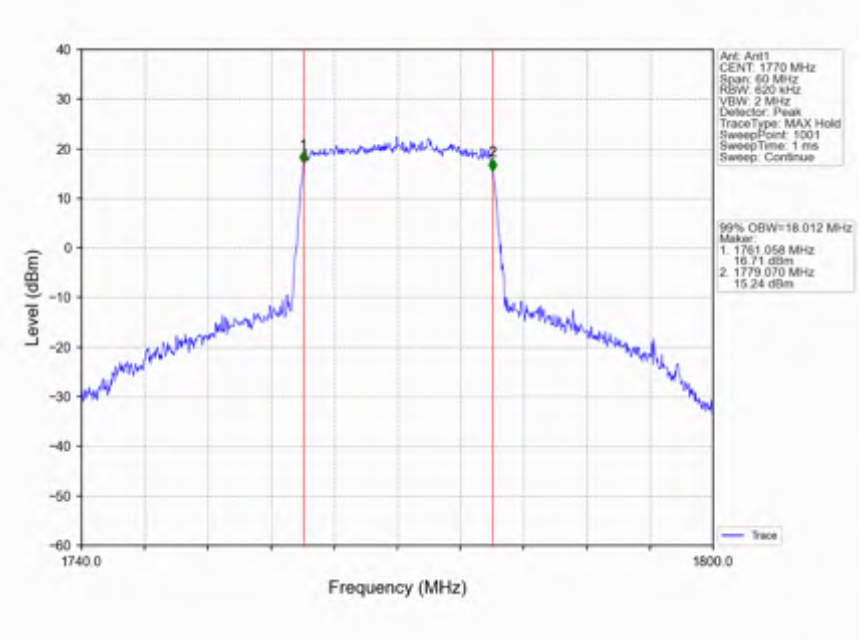
Band66_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



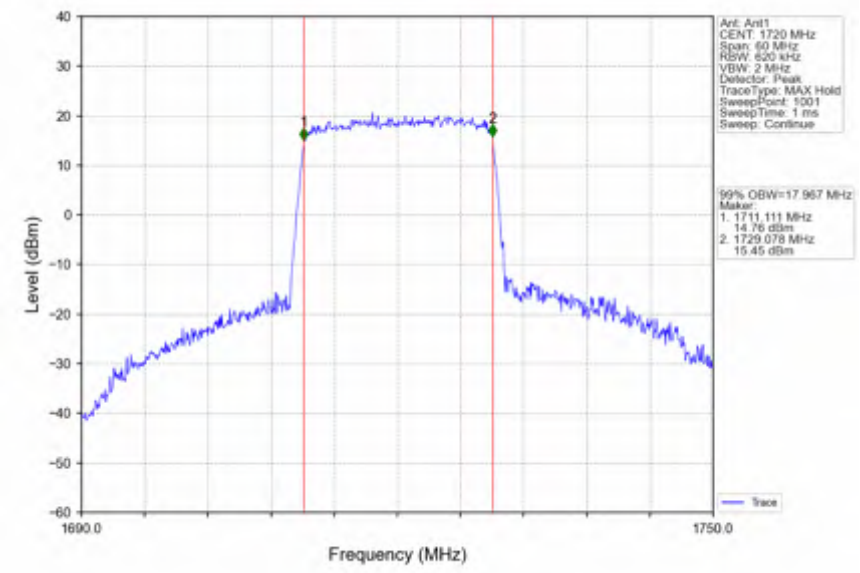

Band66_20MHz_16QAM_MCH_1745MHz_RB_100_0_NTNV



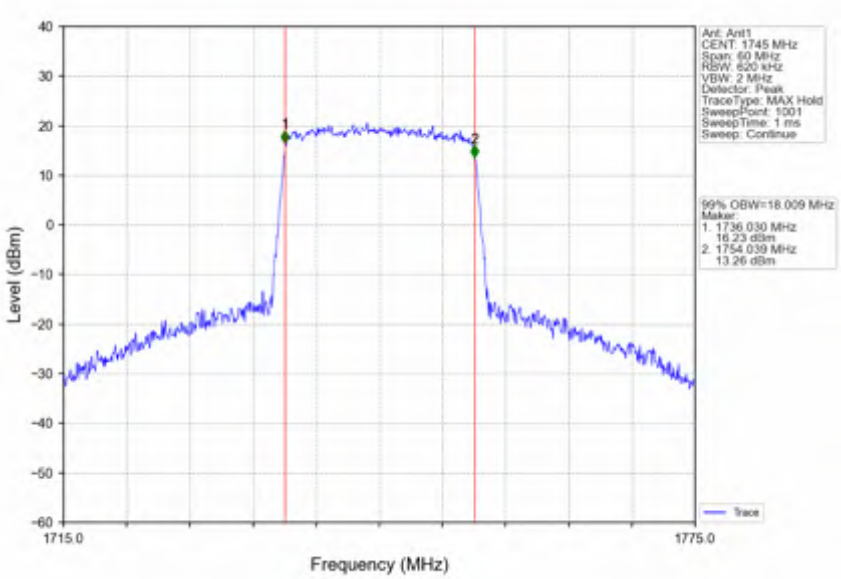
Band66_20MHz_16QAM_HCH_1770MHz_RB_100_0_NTNV



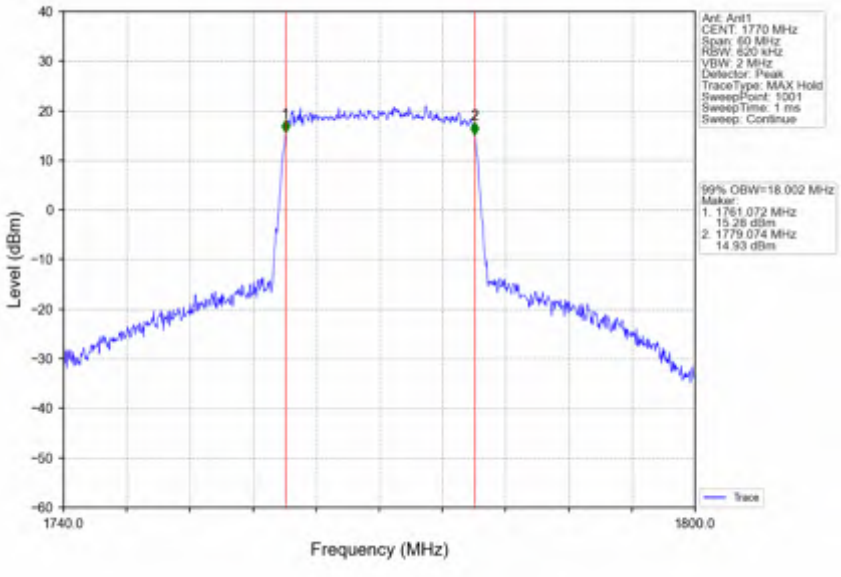

Band66_20MHz_64QAM_LCH_1720MHz_RB_100_0_NTNV



Band66_20MHz_64QAM_MCH_1745MHz_RB_100_0_NTNV




Band66_20MHz_64QAM_HCH_1770MHz_RB_100_0_NTNV



## 3.2 Band66_XDB

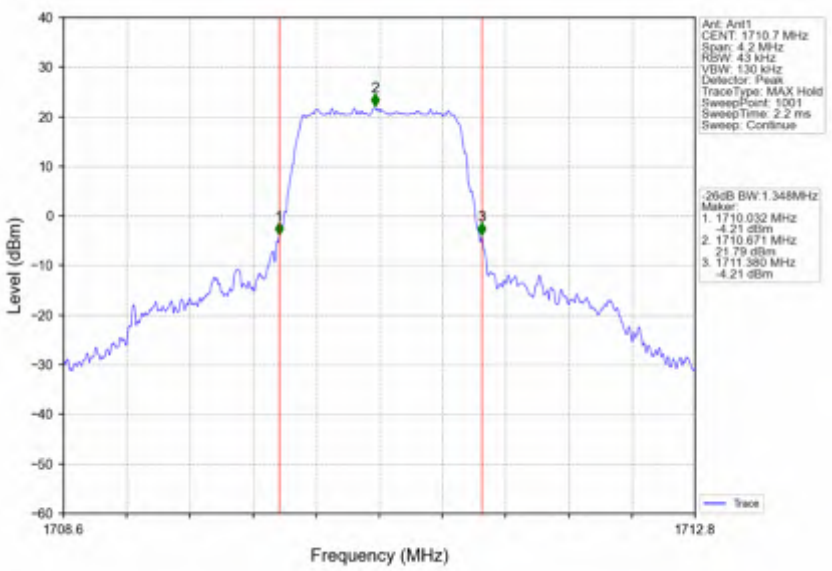
### 3.2.1 Test Result

| Band: 66 / NTNV | | | | | | | |
|---|---|---|---|---|---|---|---|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation | | 26dB Bandwidth (MHz) | | Verdict |
| | | | Size | Offset | Result | Limit | |
| 1.4 | QPSK | 1710.7 | 6 | 0 | 1.348 | / | Pass |
| | | 1745 | 6 | 0 | 1.302 | / | Pass |
| | | 1779.3 | 6 | 0 | 1.341 | / | Pass |
| | 16QAM | 1710.7 | 6 | 0 | 1.317 | / | Pass |
| | | 1745 | 6 | 0 | 1.318 | / | Pass |
| | | 1779.3 | 6 | 0 | 1.343 | / | Pass |
| | 64QAM | 1710.7 | 6 | 0 | 1.345 | / | Pass |
| | | 1745 | 6 | 0 | 1.309 | / | Pass |
| | | 1779.3 | 6 | 0 | 1.317 | / | Pass |
| 3 | QPSK | 1711.5 | 15 | 0 | 3.049 | / | Pass |
| | | 1745 | 15 | 0 | 3.071 | / | Pass |
| | | 1778.5 | 15 | 0 | 3.074 | / | Pass |
| | 16QAM | 1711.5 | 15 | 0 | 3.059 | / | Pass |
| | | 1745 | 15 | 0 | 3.057 | / | Pass |
| | | 1778.5 | 15 | 0 | 3.057 | / | Pass |
| | 64QAM | 1711.5 | 15 | 0 | 3.057 | / | Pass |
| | | 1745 | 15 | 0 | 3.061 | / | Pass |
| | | 1778.5 | 15 | 0 | 3.056 | / | Pass |
| 5 | QPSK | 1712.5 | 25 | 0 | 5.057 | / | Pass |
| | | 1745 | 25 | 0 | 5.072 | / | Pass |
| | | 1777.5 | 25 | 0 | 5.066 | / | Pass |
| | 16QAM | 1712.5 | 25 | 0 | 5.066 | / | Pass |
| | | 1745 | 25 | 0 | 5.079 | / | Pass |
| | | 1777.5 | 25 | 0 | 5.071 | / | Pass |
| | 64QAM | 1712.5 | 25 | 0 | 5.074 | / | Pass |
| | | 1745 | 25 | 0 | 5.087 | / | Pass |
| | | 1777.5 | 25 | 0 | 5.032 | / | Pass |
| 10 | QPSK | 1715 | 50 | 0 | 10.003 | / | Pass |
| | | 1745 | 50 | 0 | 10.011 | / | Pass |
| | | 1775 | 50 | 0 | 9.997 | / | Pass |
| | 16QAM | 1715 | 50 | 0 | 9.966 | / | Pass |
| | | 1745 | 50 | 0 | 10.044 | / | Pass |
| | | 1775 | 50 | 0 | 9.996 | / | Pass |
| | 64QAM | 1715 | 50 | 0 | 10.016 | / | Pass |
| | | 1745 | 50 | 0 | 9.985 | / | Pass |
| | | 1775 | 50 | 0 | 9.948 | / | Pass |
| 15 | QPSK | 1717.5 | 75 | 0 | 15.029 | / | Pass |
| | | 1745 | 75 | 0 | 14.934 | / | Pass |
| | | 1772.5 | 75 | 0 | 14.974 | / | Pass |
| | 16QAM | 1717.5 | 75 | 0 | 14.925 | / | Pass |
| | | 1745 | 75 | 0 | 14.983 | / | Pass |
| | | 1772.5 | 75 | 0 | 14.872 | / | Pass |
| | 64QAM | 1717.5 | 75 | 0 | 14.972 | / | Pass |
| | | 1745 | 75 | 0 | 14.964 | / | Pass |
| | | 1772.5 | 75 | 0 | 14.872 | / | Pass |
| 20 | QPSK | 1720 | 100 | 0 | 19.779 | / | Pass |
| | | 1745 | 100 | 0 | 19.719 | / | Pass |

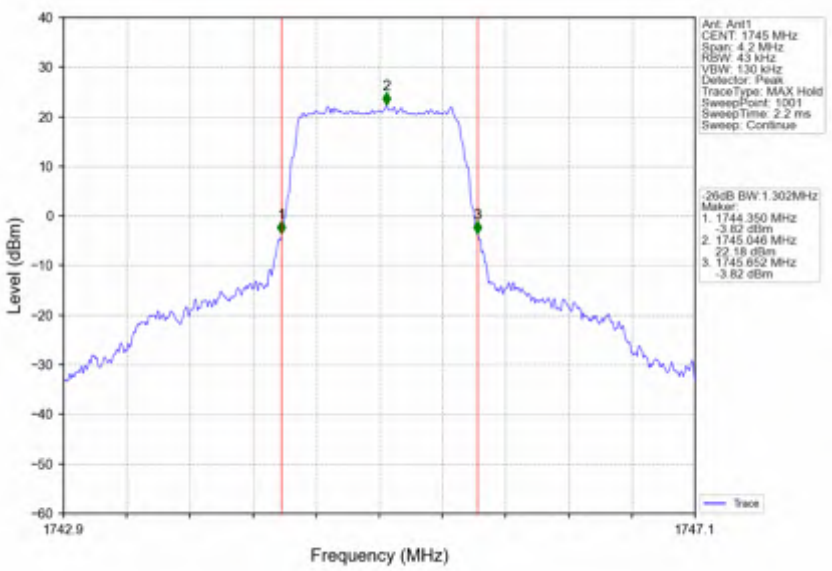
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1770 | 100 | 0 | 19.860 | / | Pass |
| | 16QAM | 1720 | 100 | 0 | 19.781 | / | Pass |
| | | 1745 | 100 | 0 | 19.675 | / | Pass |
| | | 1770 | 100 | 0 | 19.829 | / | Pass |
| | 64QAM | 1720 | 100 | 0 | 19.678 | / | Pass |
| | | 1745 | 100 | 0 | 19.737 | / | Pass |
| | | 1770 | 100 | 0 | 19.756 | / | Pass |

3.2.2 Test Graph

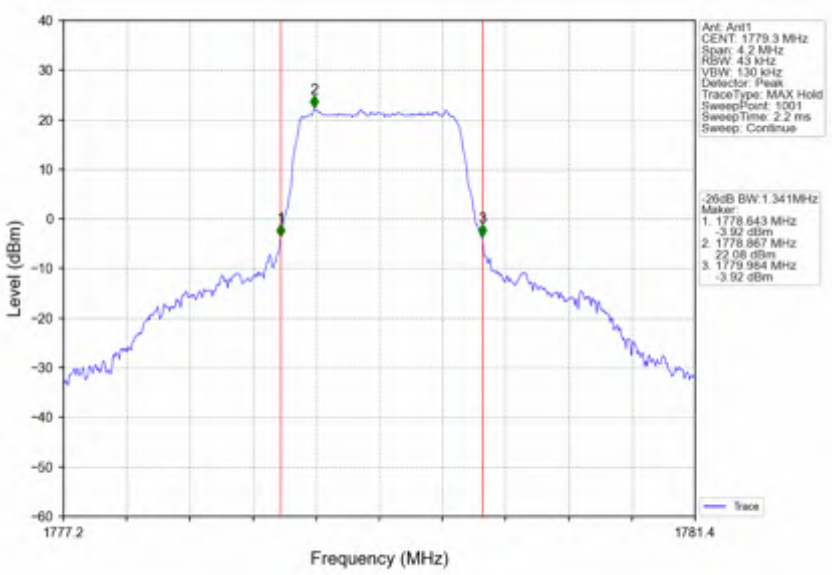
Band66_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



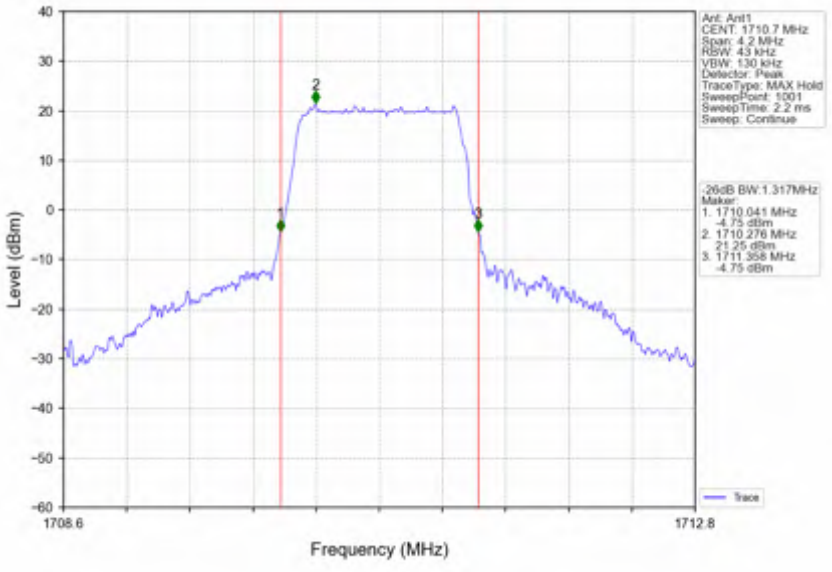

Band66_1.4MHz_QPSK_MCH_1745MHz_RB_6_0_NTNV



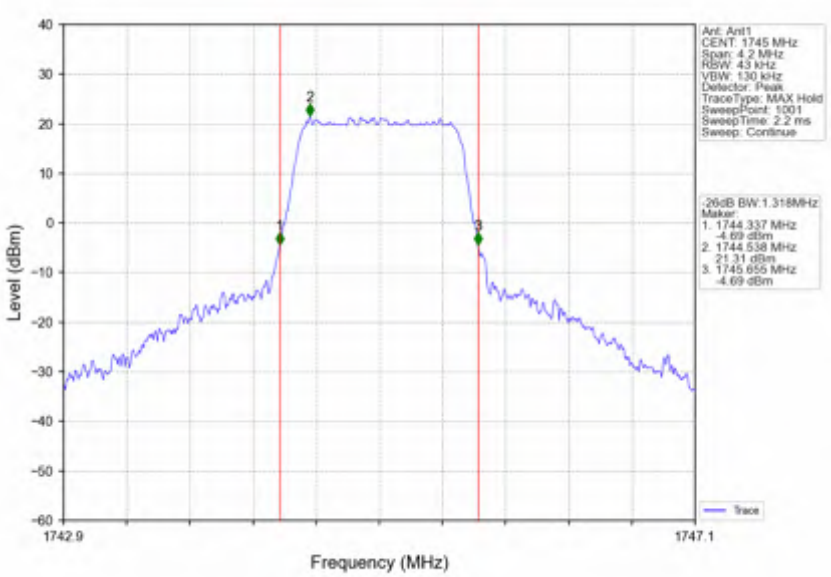
Band66_1.4MHz_QPSK_HCH_1779.3MHz_RB_6_0_NTNV



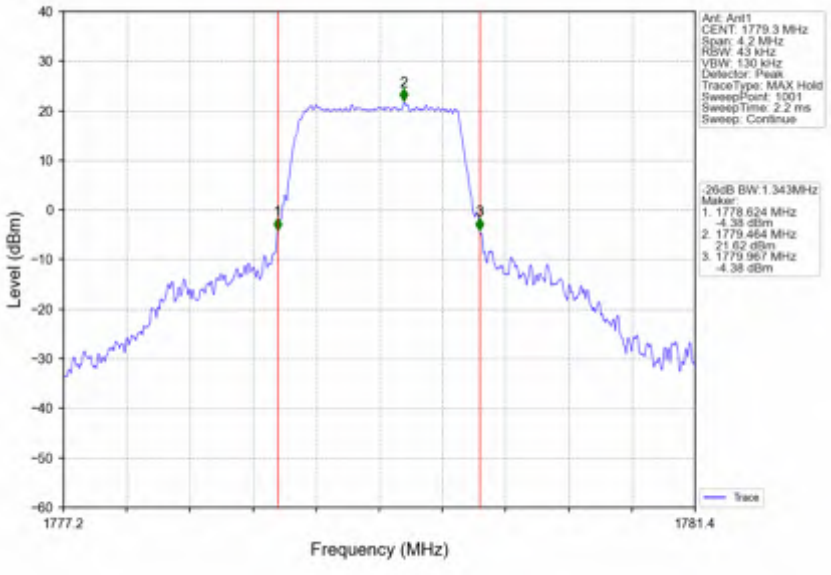

Band66_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



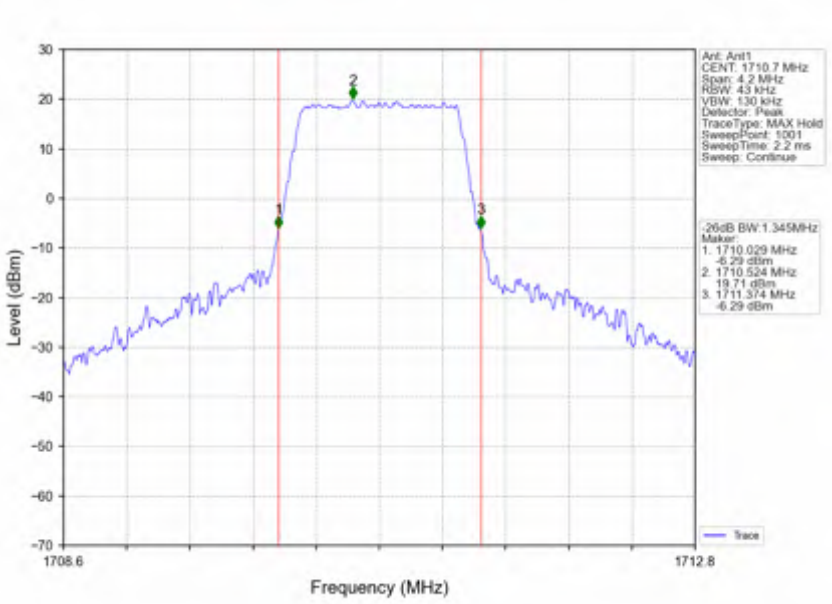
Band66_1.4MHz_16QAM_MCH_1745MHz_RB_6_0_NTNV



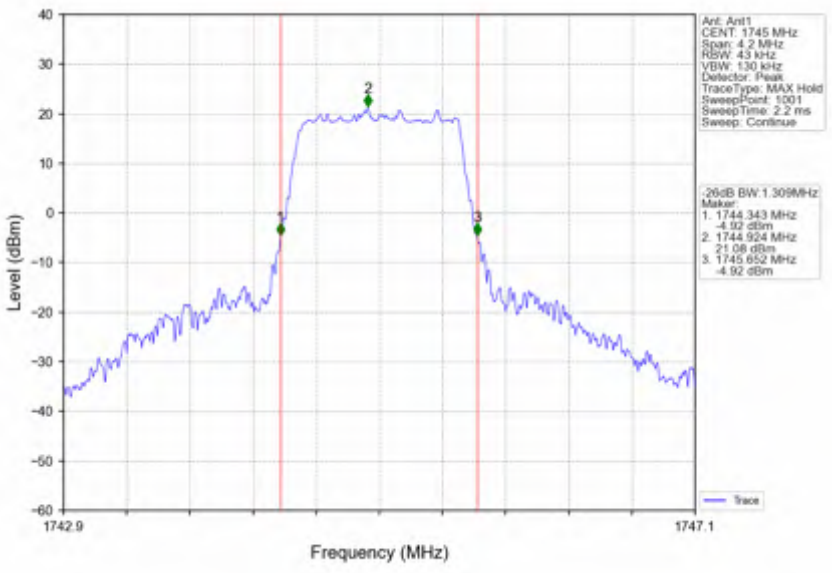

Band66_1.4MHz_16QAM_HCH_1779.3MHz_RB_6_0_NTNV



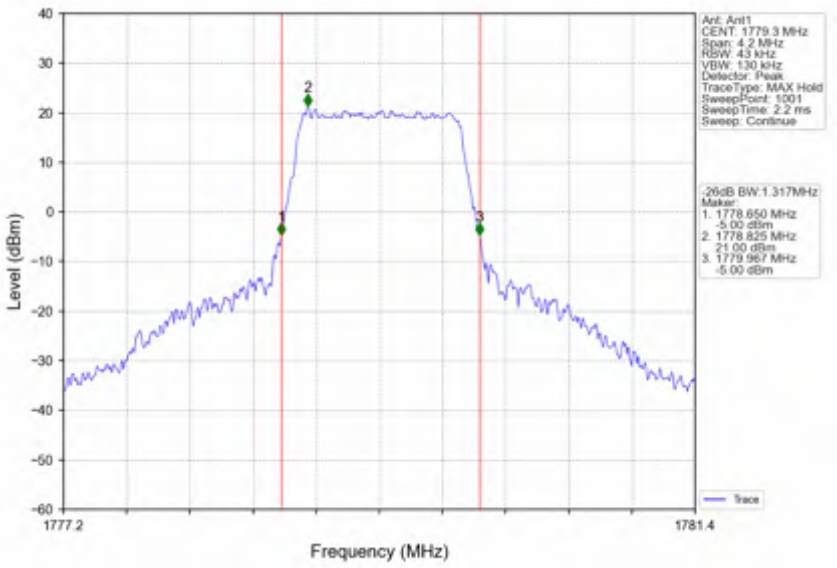
Band66_1.4MHz_64QAM_LCH_1710.7MHz_RB_6_0_NTNV



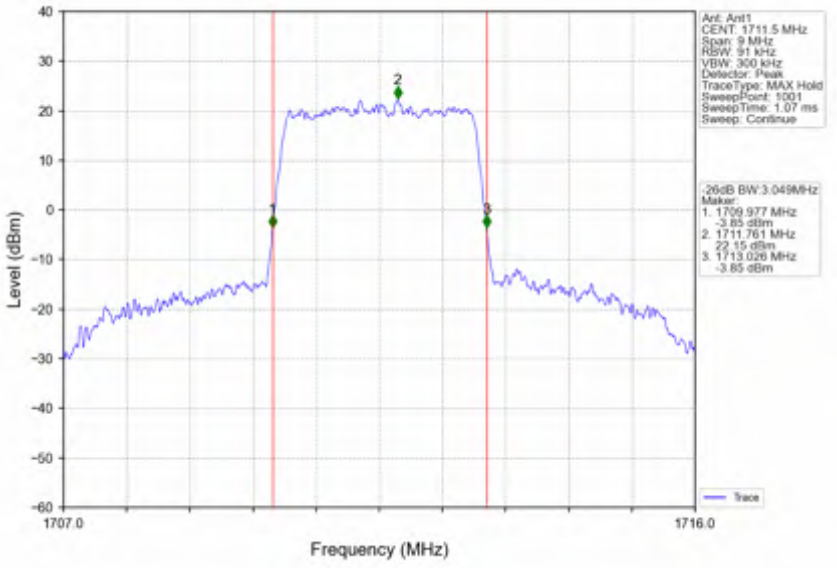

Band66_1.4MHz_64QAM_MCH_1745MHz_RB_6_0_NTNV



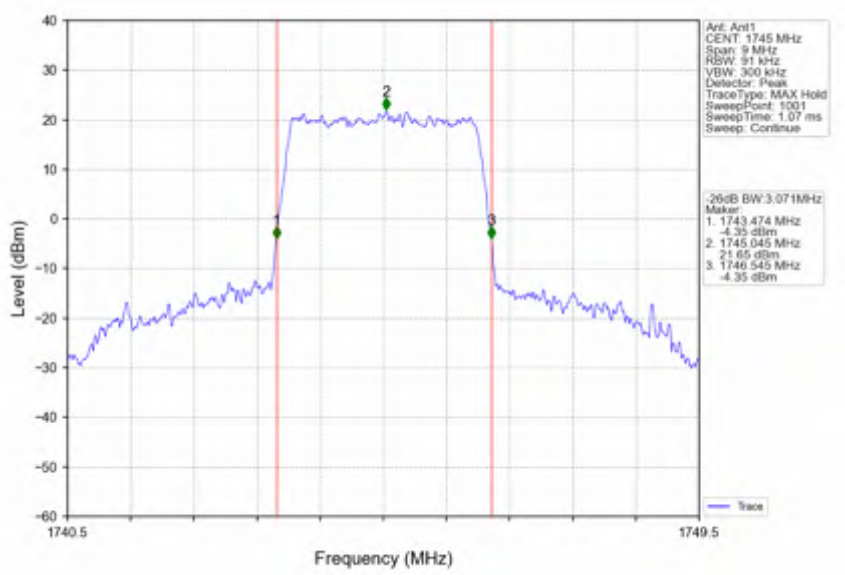
Band66_1.4MHz_64QAM_HCH_1779.3MHz_RB_6_0_NTNV



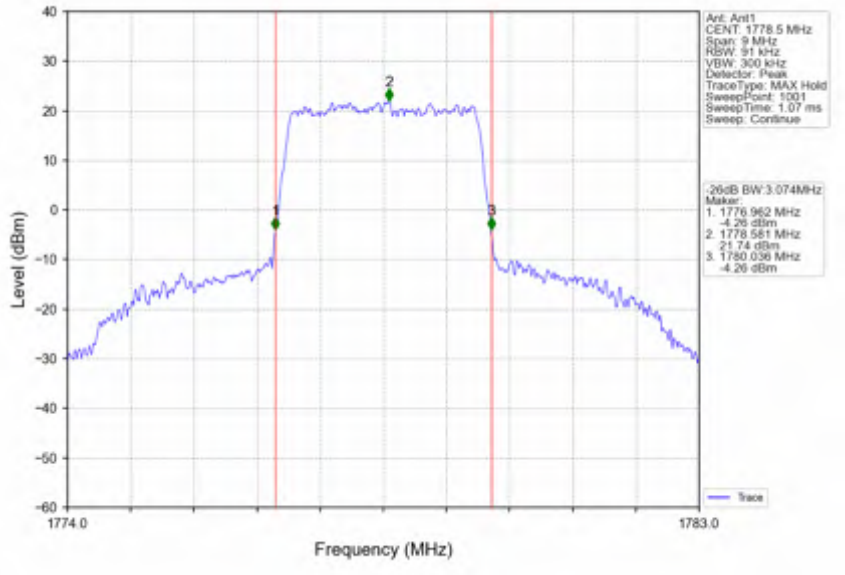

Band66_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



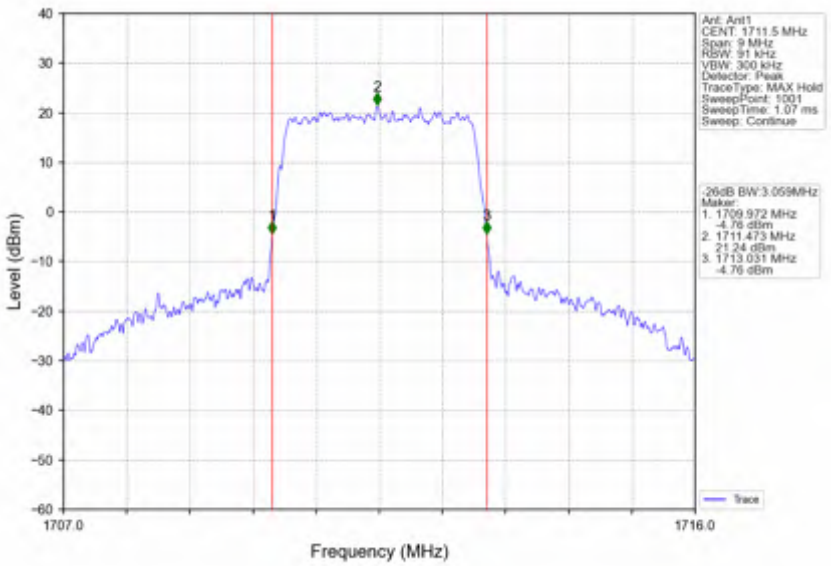
Band66_3MHz_QPSK_MCH_1745MHz_RB_15_0_NTNV



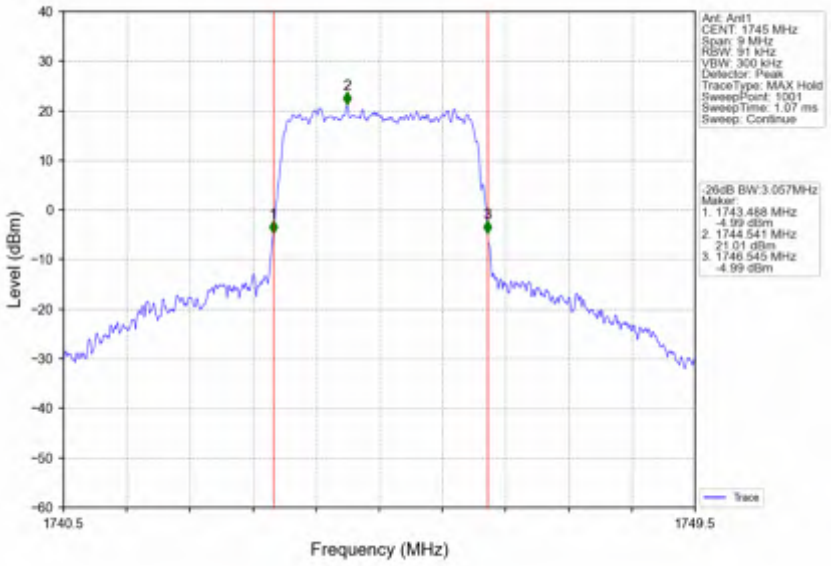

Band66_3MHz_QPSK_HCH_1778.5MHz_RB_15_0_NTNV



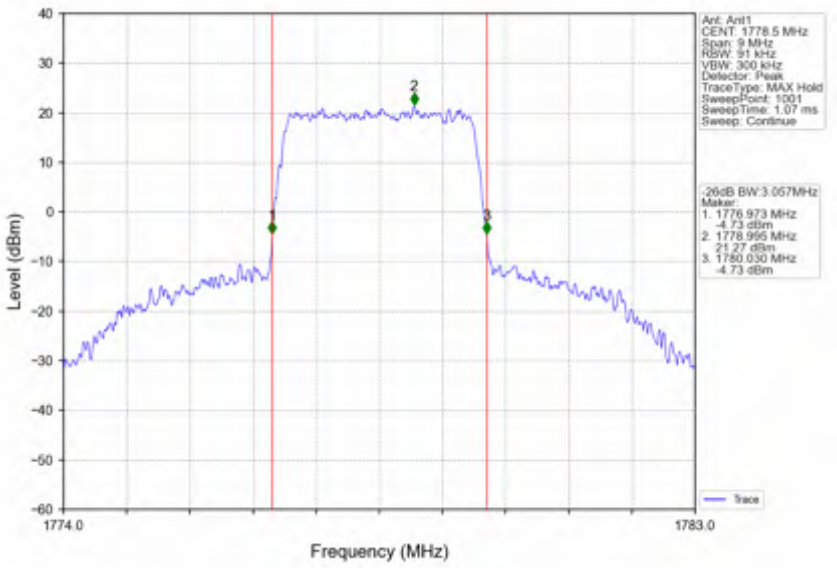
Band66_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



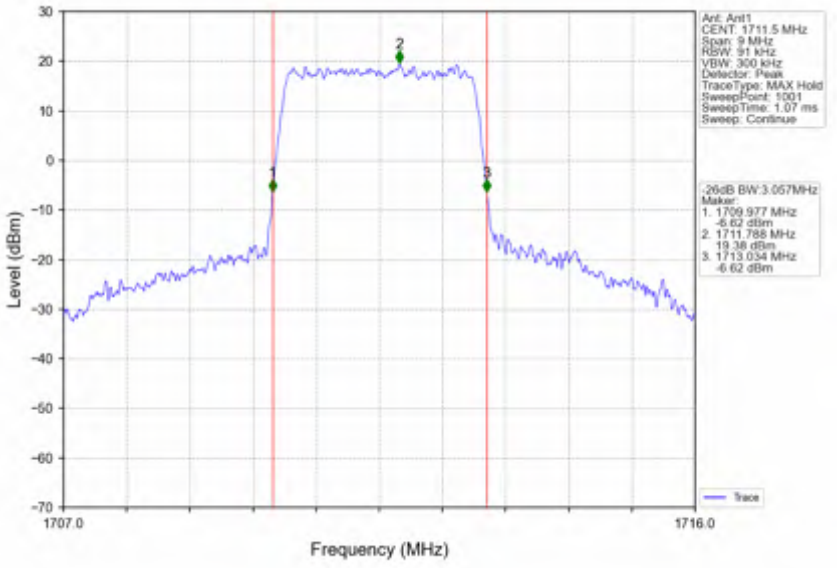

Band66_3MHz_16QAM_MCH_1745MHz_RB_15_0_NTNV



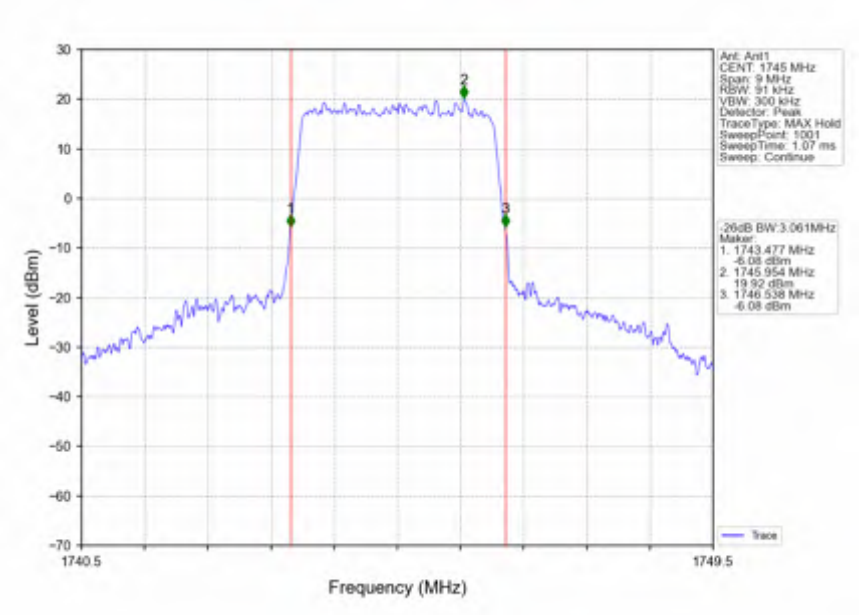
Band66_3MHz_16QAM_HCH_1778.5MHz_RB_15_0_NTNV



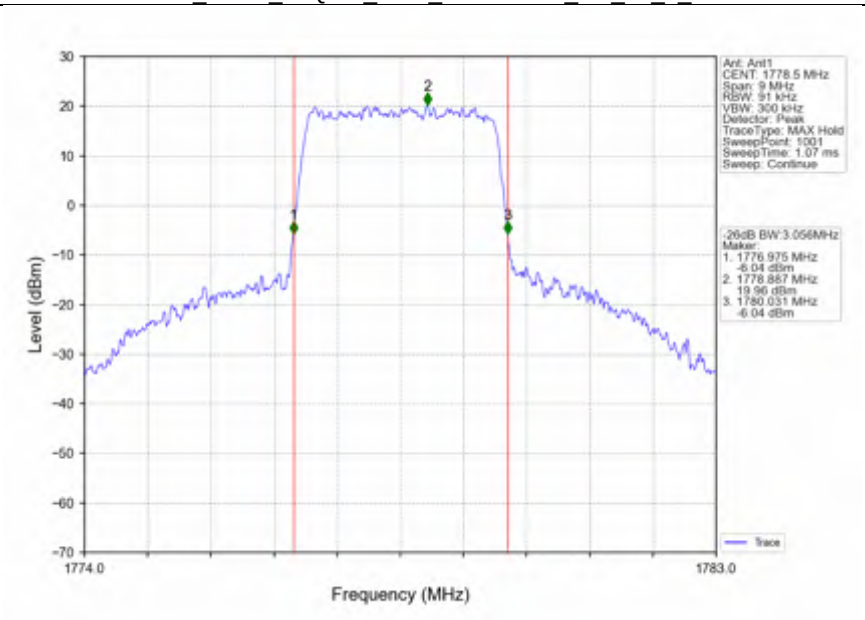

Band66_3MHz_64QAM_LCH_1711.5MHz_RB_15_0_NTNV



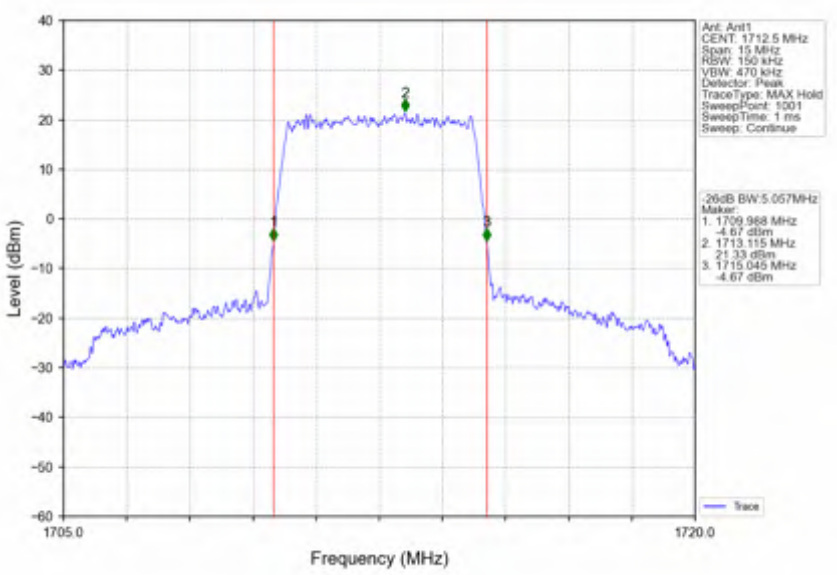
Band66_3MHz_64QAM_MCH_1745MHz_RB_15_0_NTNV



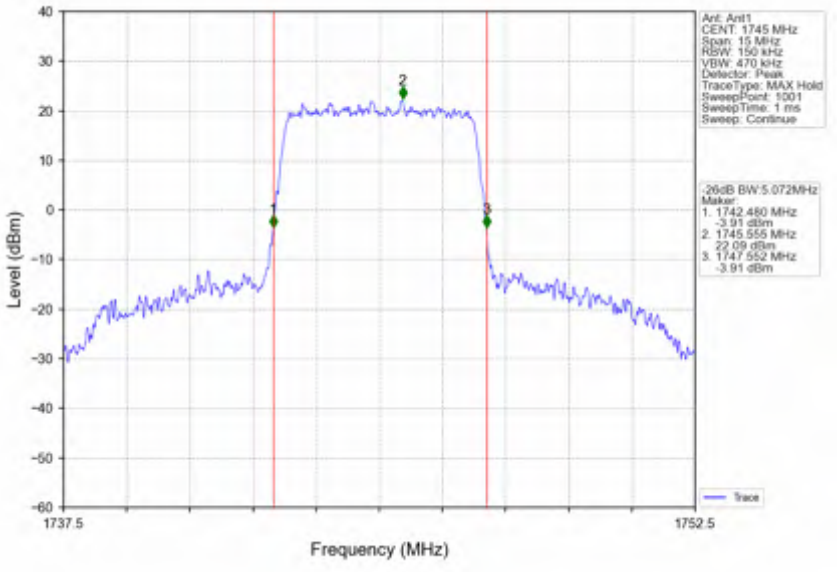

Band66_3MHz_64QAM_HCH_1778.5MHz_RB_15_0_NTNV



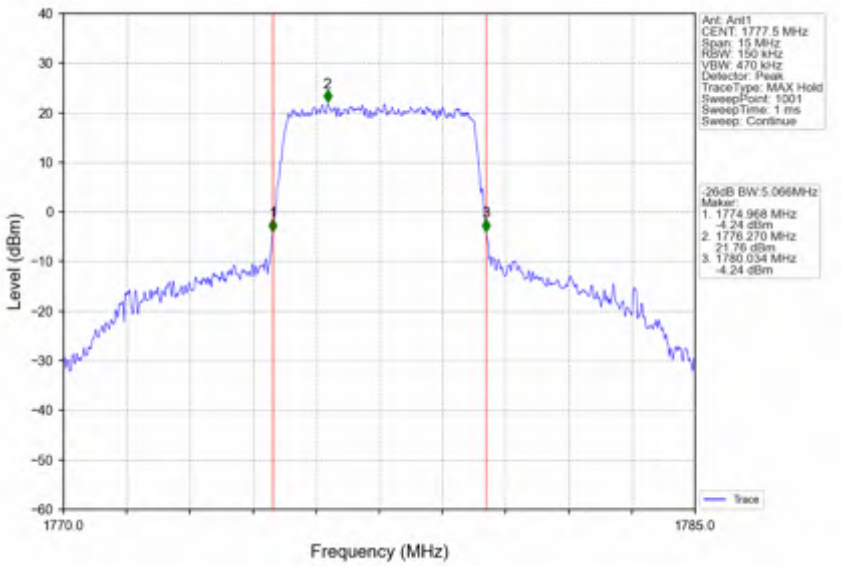
Band66_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



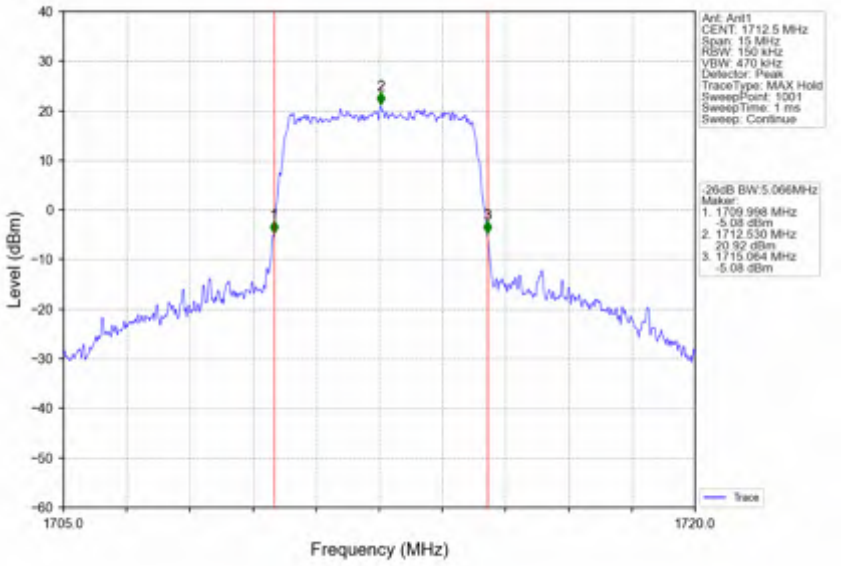

Band66_5MHz_QPSK_MCH_1745MHz_RB_25_0_NTNV



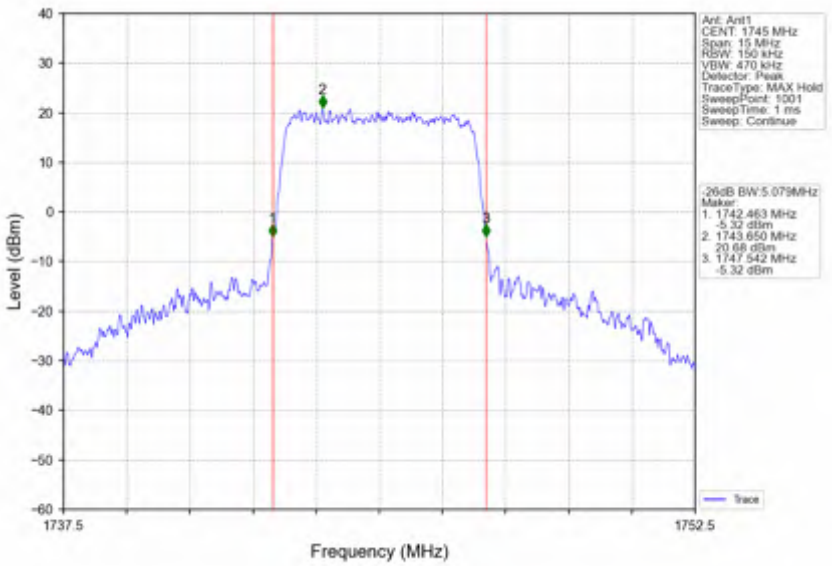
Band66_5MHz_QPSK_HCH_1777.5MHz_RB_25_0_NTNV



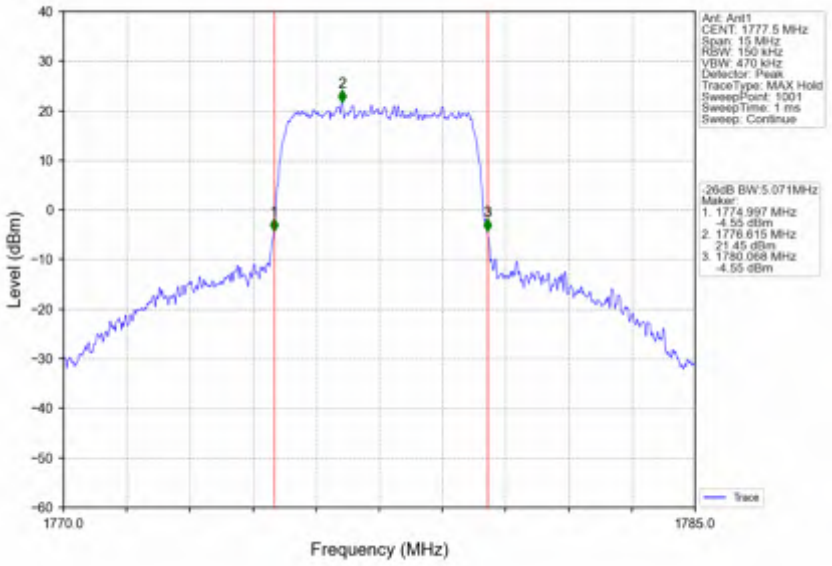

Band66_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



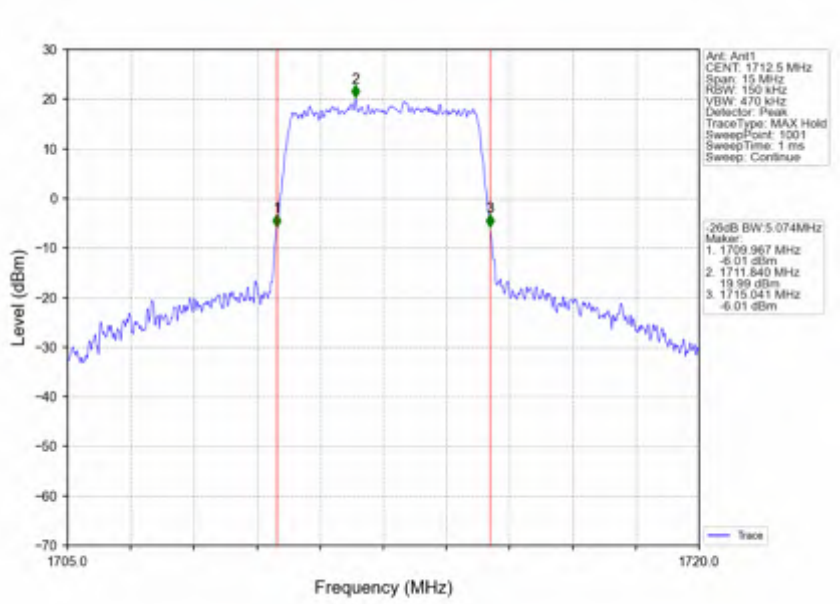
Band66_5MHz_16QAM_MCH_1745MHz_RB_25_0_NTNV



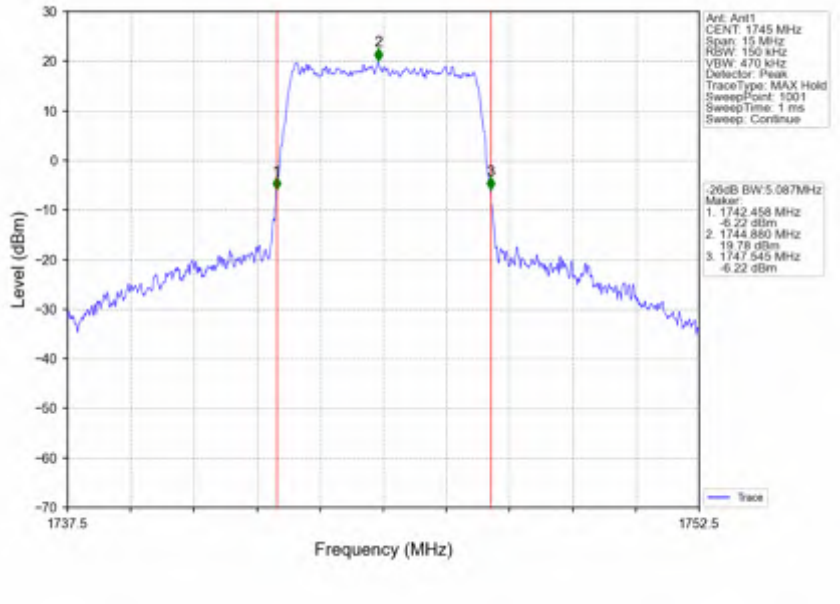

Band66_5MHz_16QAM_HCH_1777.5MHz_RB_25_0_NTNV



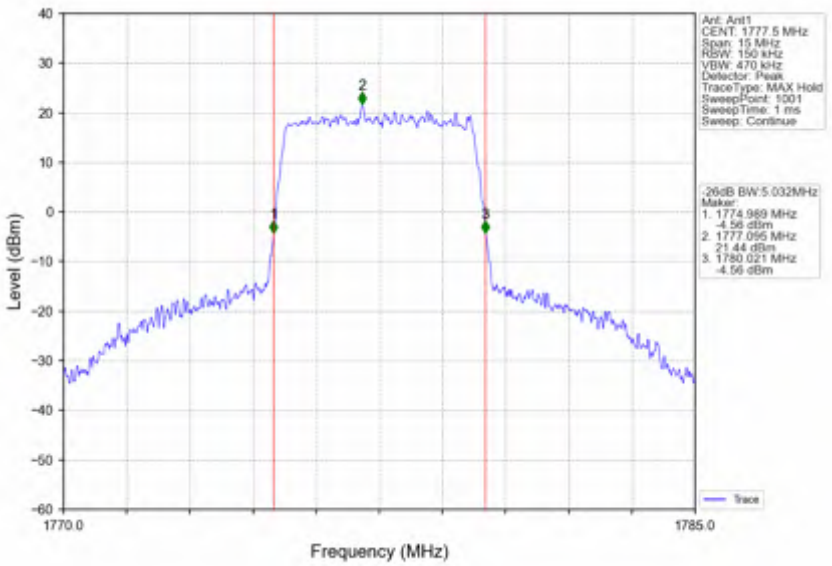
Band66_5MHz_64QAM_LCH_1712.5MHz_RB_25_0_NTNV



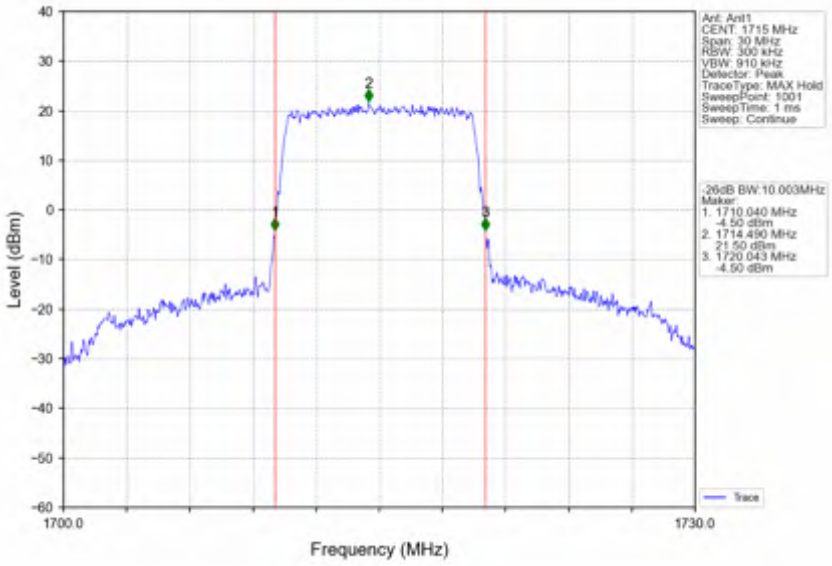

Band66_5MHz_64QAM_MCH_1745MHz_RB_25_0_NTNV



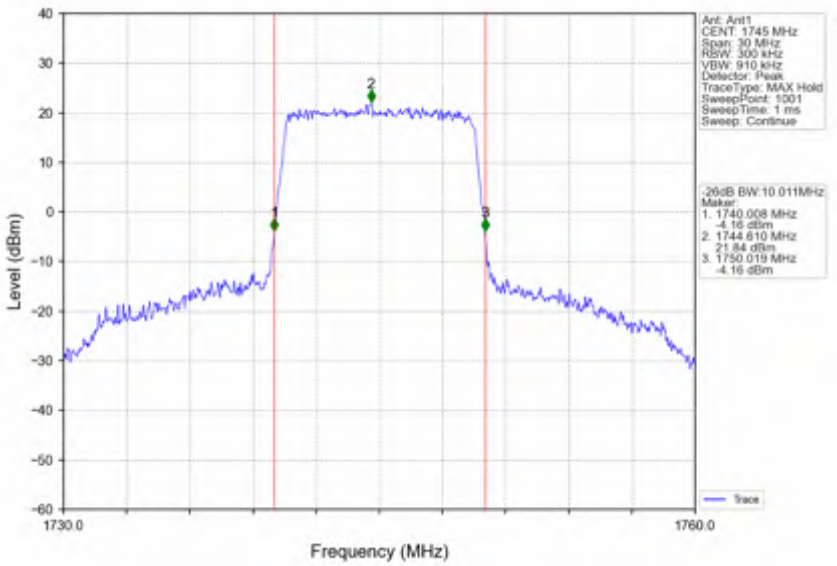
Band66_5MHz_64QAM_HCH_1777.5MHz_RB_25_0_NTNV



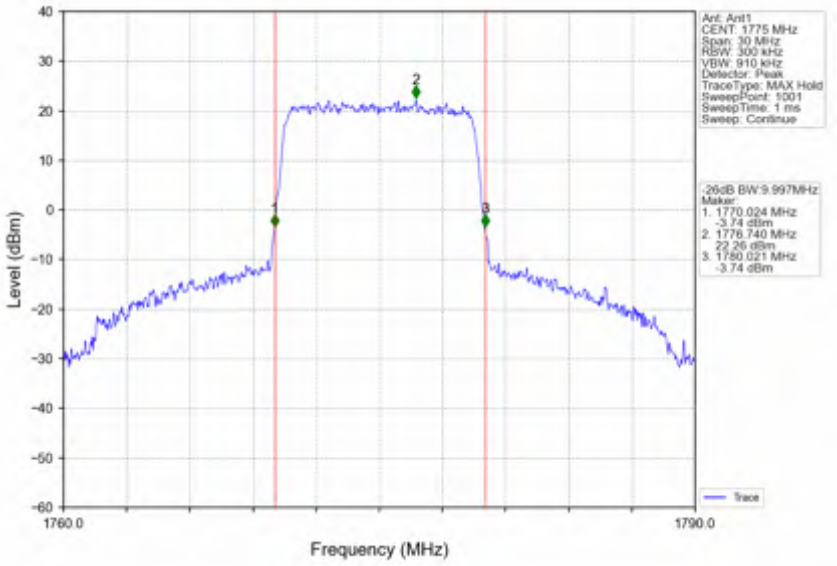

Band66_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



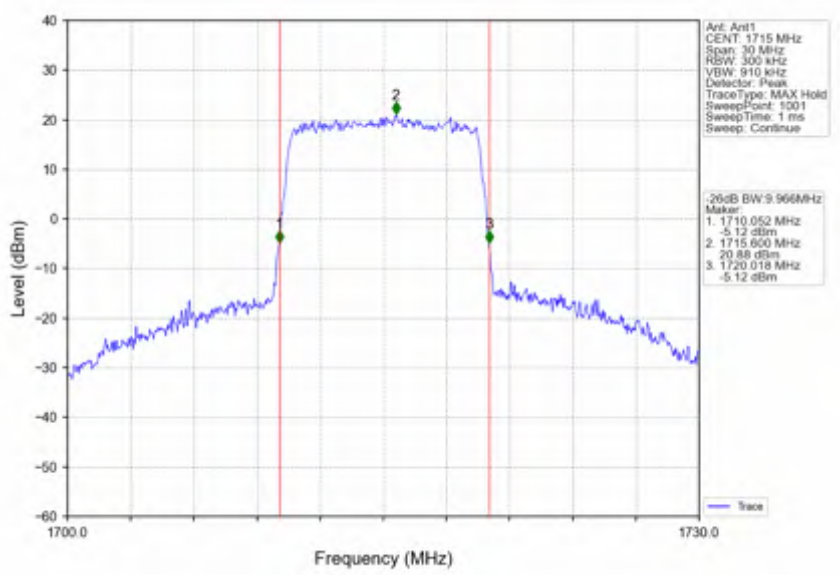
Band66_10MHz_QPSK_MCH_1745MHz_RB_50_0_NTNV



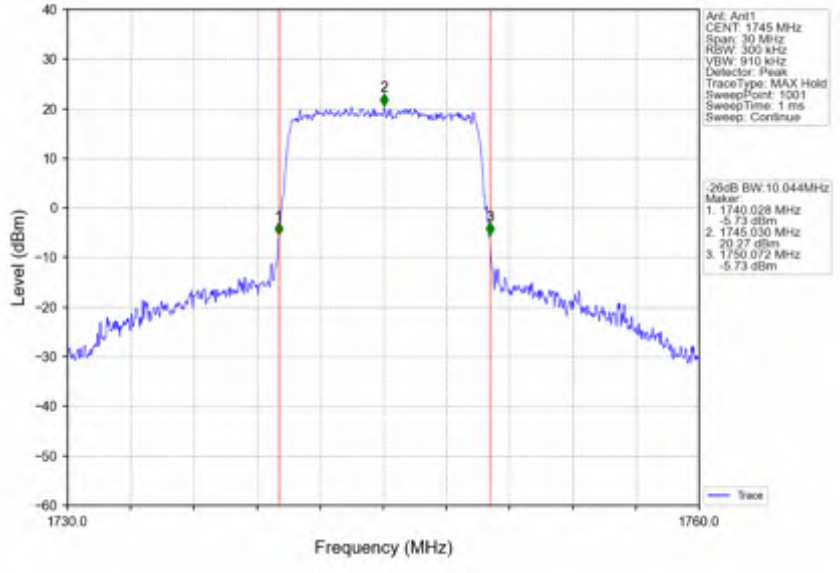

Band66_10MHz_QPSK_HCH_1775MHz_RB_50_0_NTNV



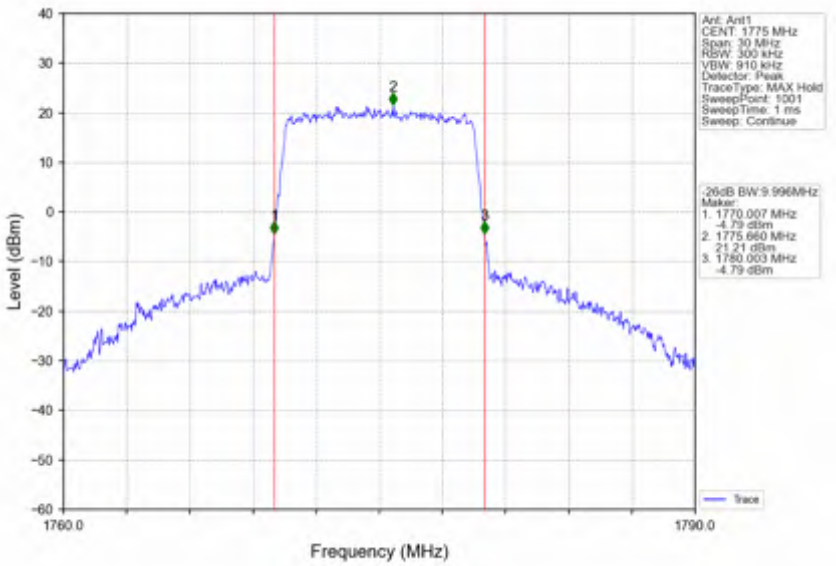
Band66_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



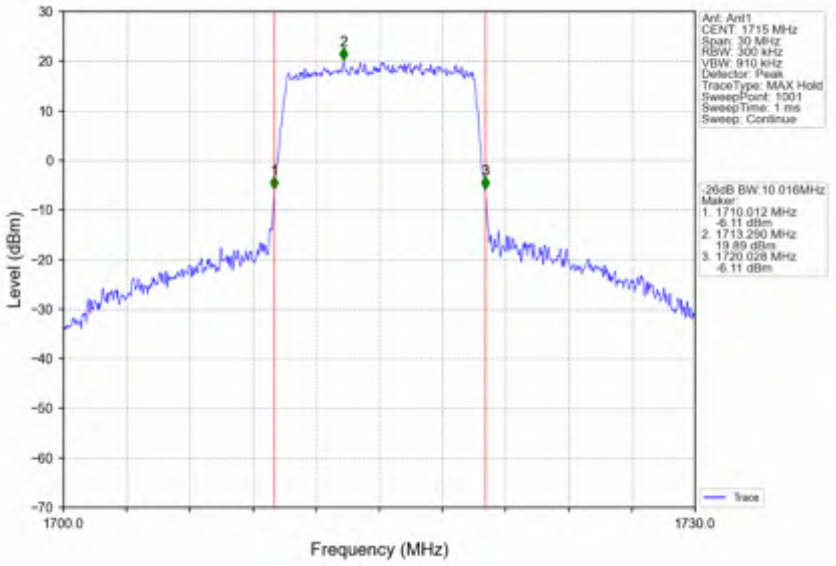

Band66_10MHz_16QAM_MCH_1745MHz_RB_50_0_NTNV



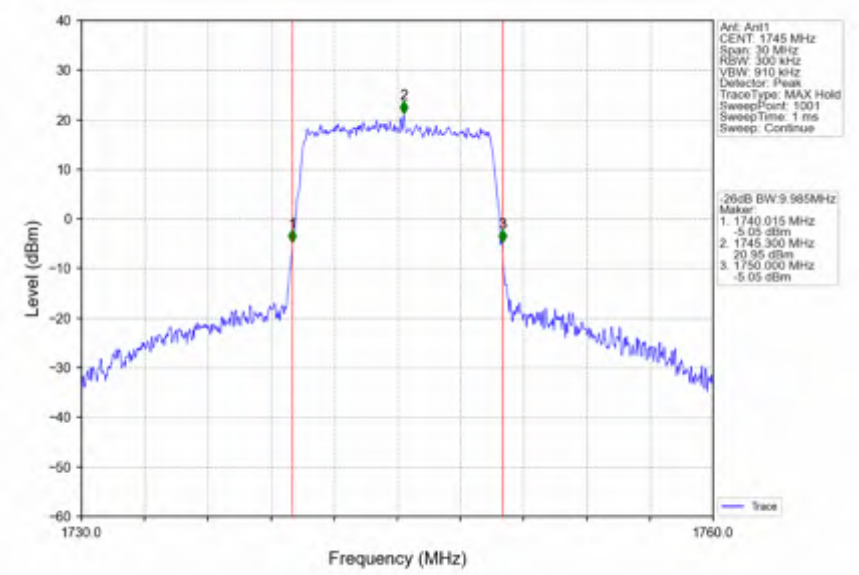
Band66_10MHz_16QAM_HCH_1775MHz_RB_50_0_NTNV



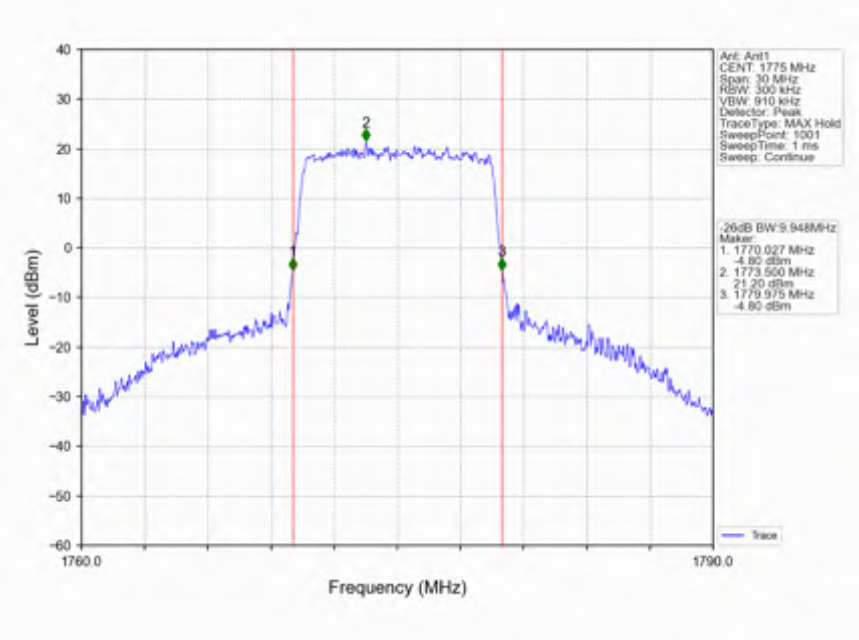

Band66_10MHz_64QAM_LCH_1715MHz_RB_50_0_NTNV



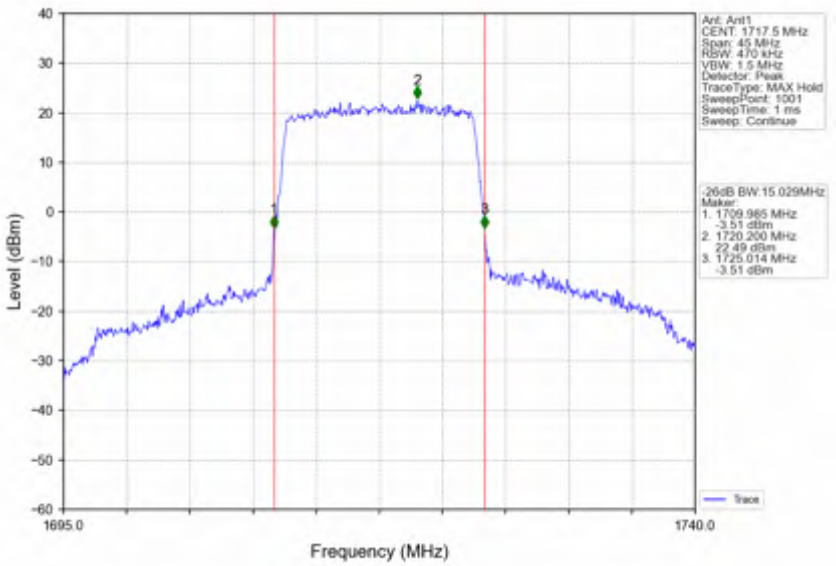
Band66_10MHz_64QAM_MCH_1745MHz_RB_50_0_NTNV



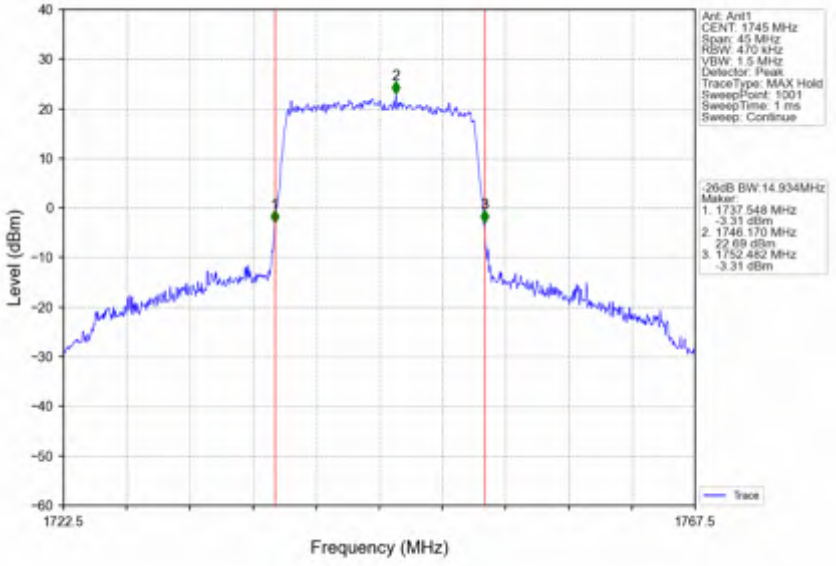

Band66_10MHz_64QAM_HCH_1775MHz_RB_50_0_NTNV



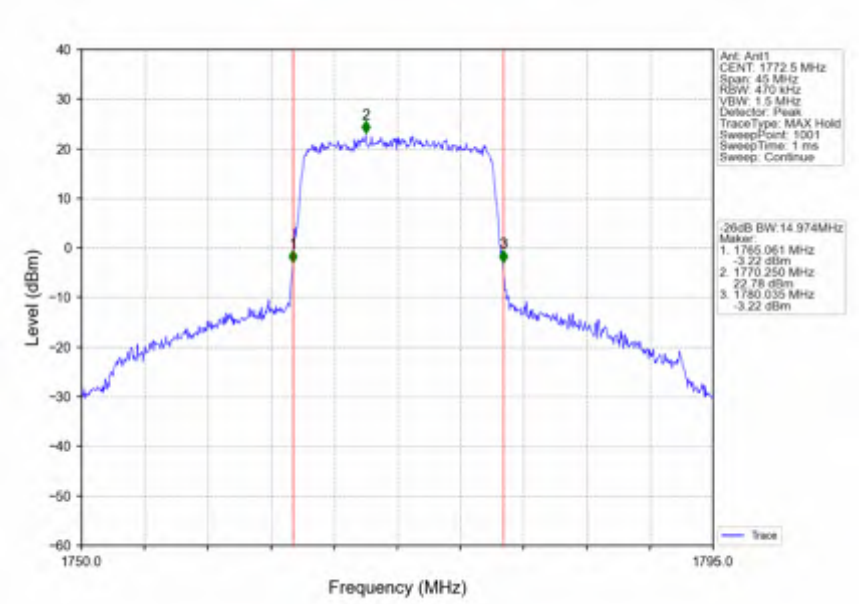
Band66_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



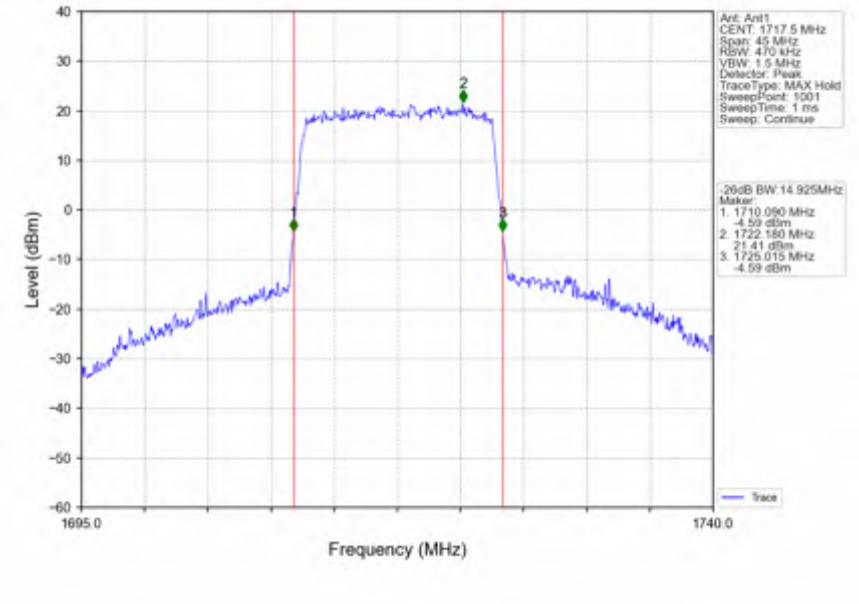

Band66_15MHz_QPSK_MCH_1745MHz_RB_75_0_NTNV



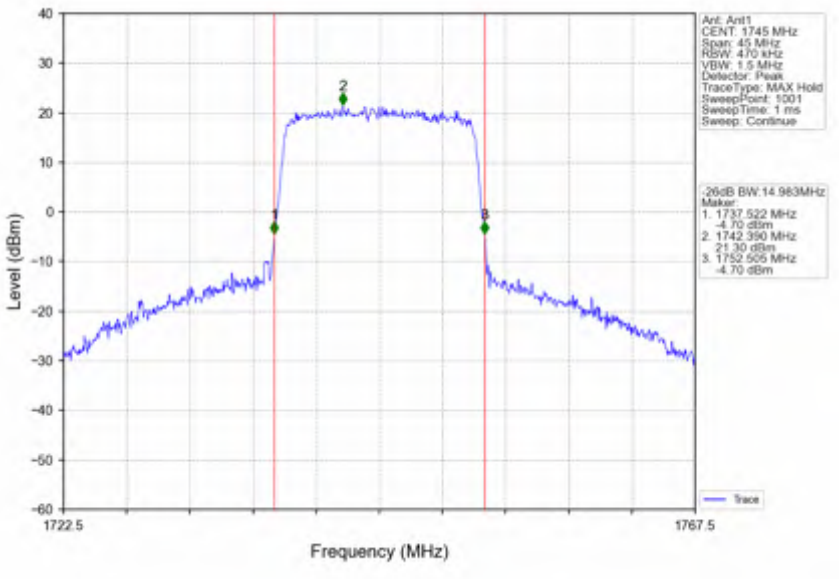
Band66_15MHz_QPSK_HCH_1772.5MHz_RB_75_0_NTNV



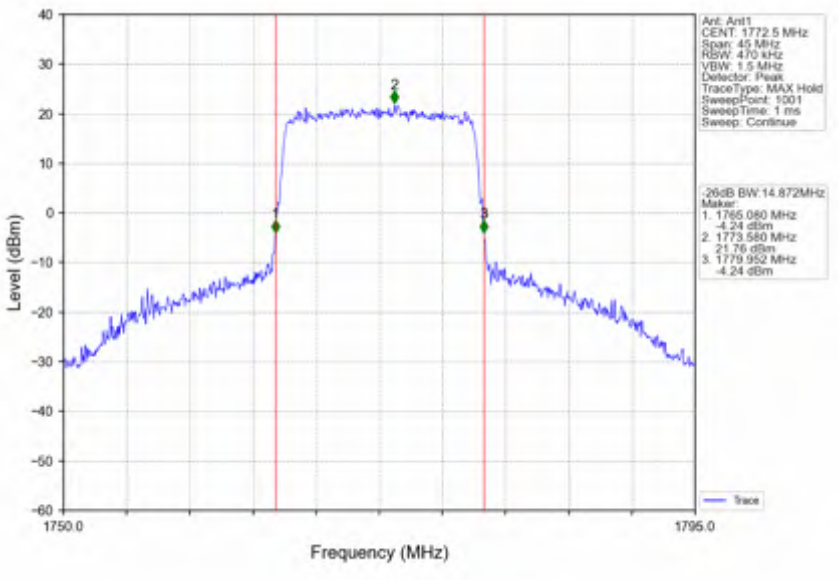

Band66_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



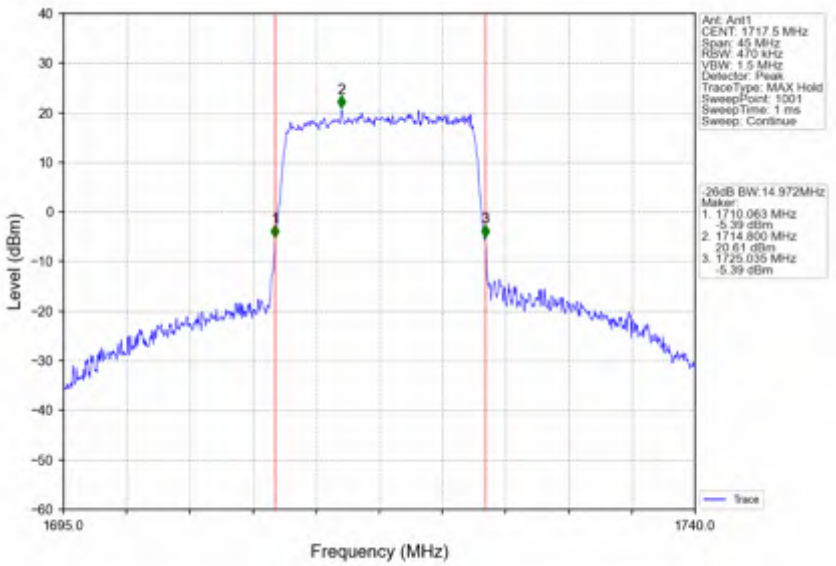
Band66_15MHz_16QAM_MCH_1745MHz_RB_75_0_NTNV



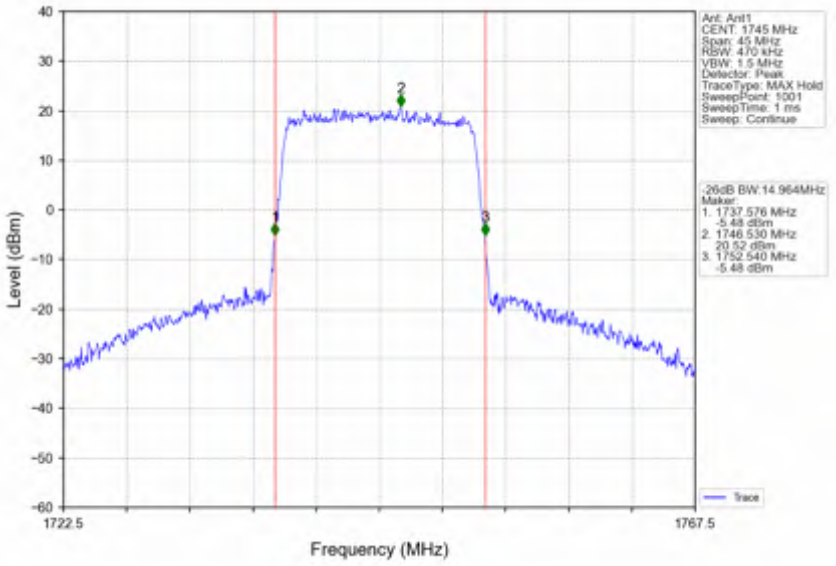

Band66_15MHz_16QAM_HCH_1772.5MHz_RB_75_0_NTNV



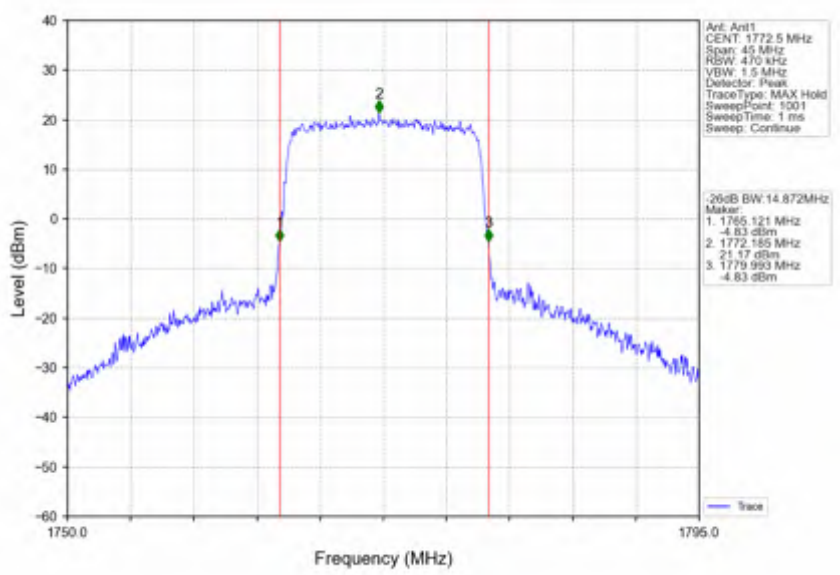
Band66_15MHz_64QAM_LCH_1717.5MHz_RB_75_0_NTNV



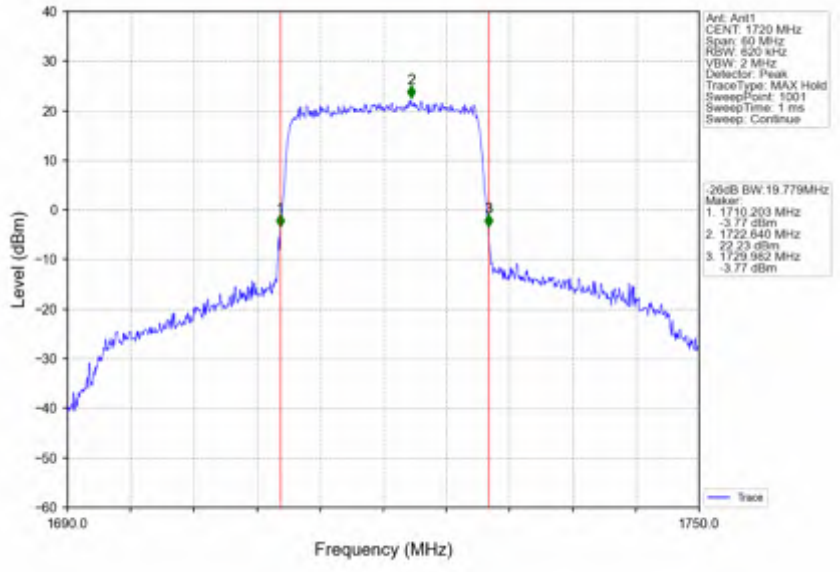

Band66_15MHz_64QAM_MCH_1745MHz_RB_75_0_NTNV



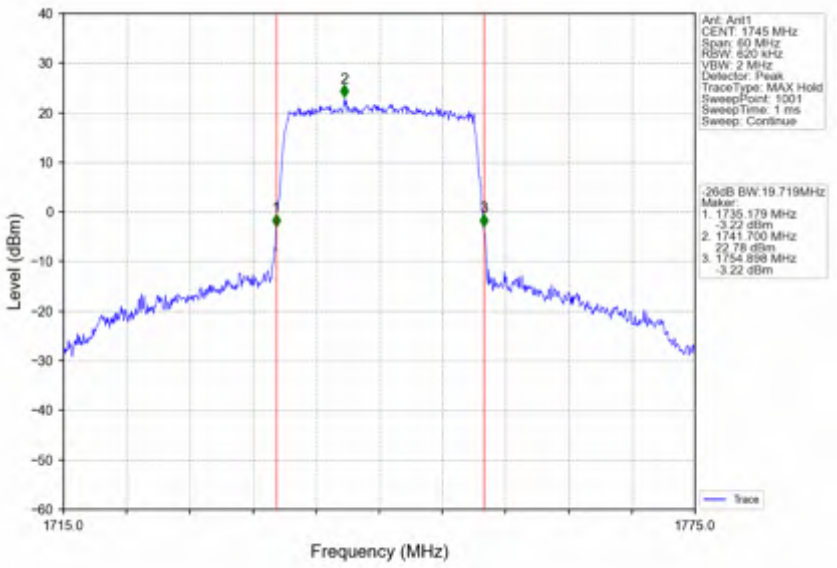
Band66_15MHz_64QAM_HCH_1772.5MHz_RB_75_0_NTNV



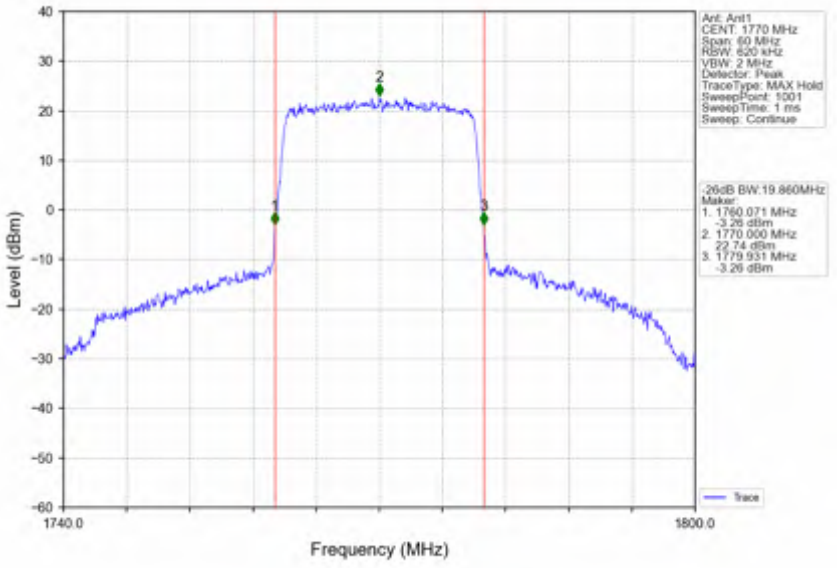

Band66_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



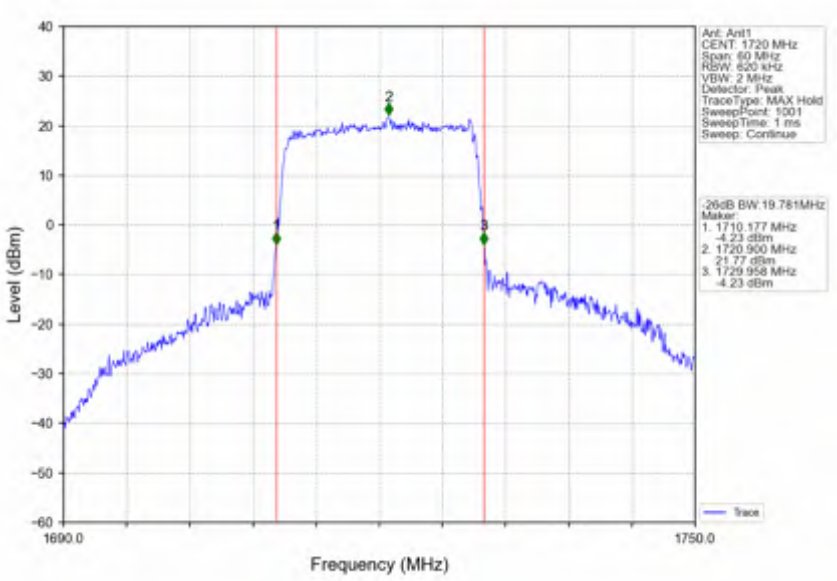
Band66_20MHz_QPSK_MCH_1745MHz_RB_100_0_NTNV



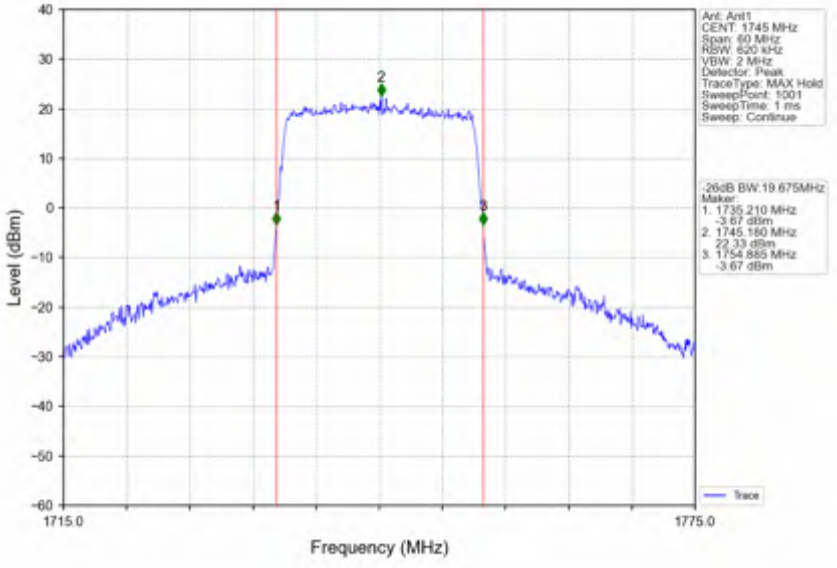

Band66_20MHz_QPSK_HCH_1770MHz_RB_100_0_NTNV



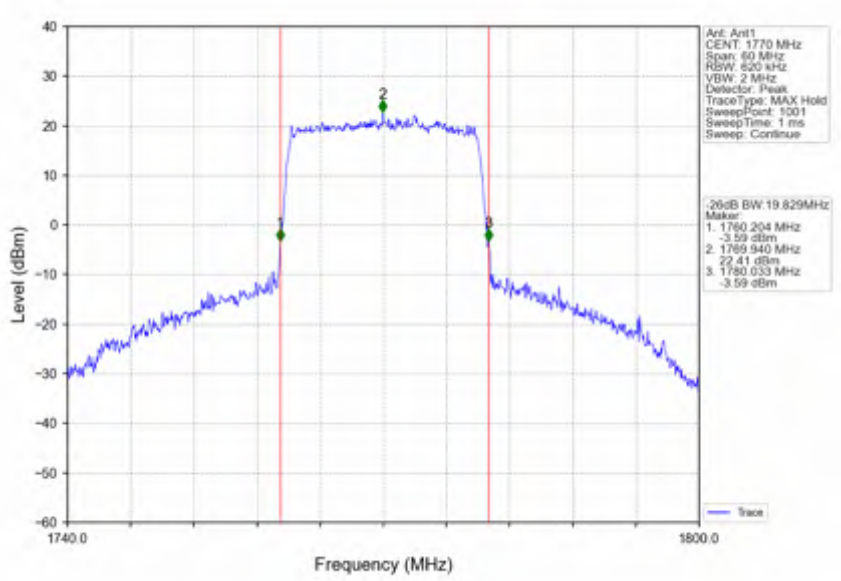
Band66_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



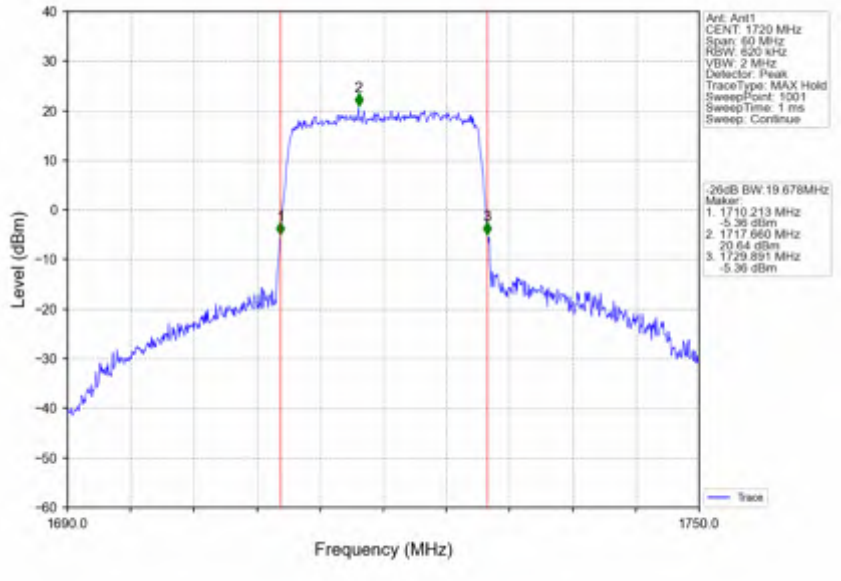

Band66_20MHz_16QAM_MCH_1745MHz_RB_100_0_NTNV



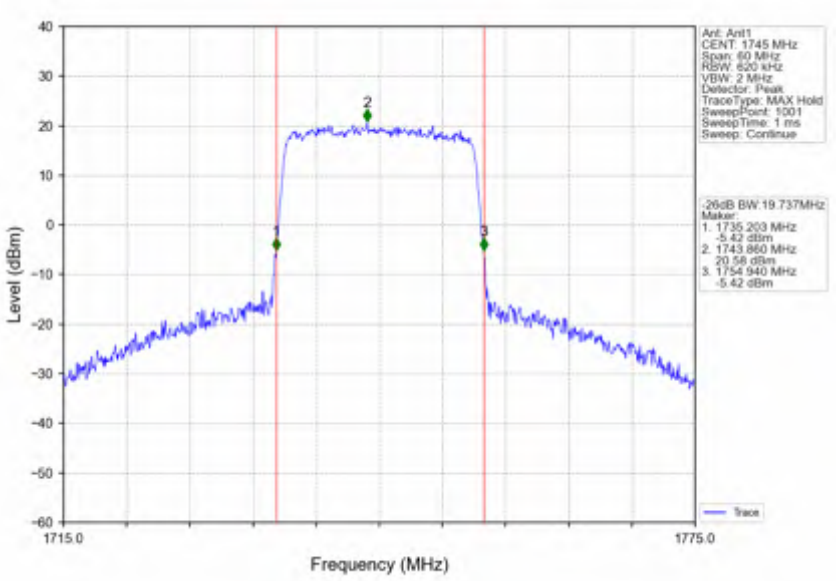
Band66_20MHz_16QAM_HCH_1770MHz_RB_100_0_NTNV



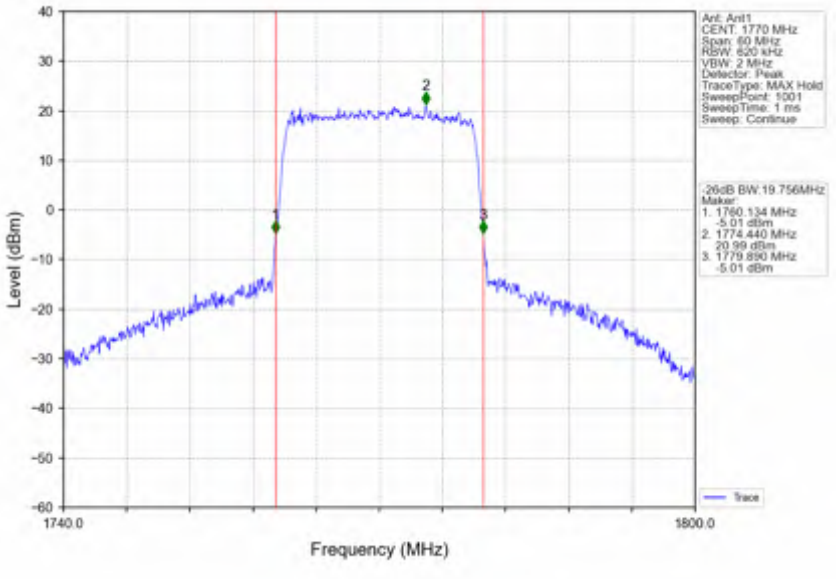

Band66_20MHz_64QAM_LCH_1720MHz_RB_100_0_NTNV



Band66_20MHz_64QAM_MCH_1745MHz_RB_100_0_NTNV




Band66_20MHz_64QAM_HCH_1770MHz_RB_100_0_NTNV



# 4. Peak-Average Ratio

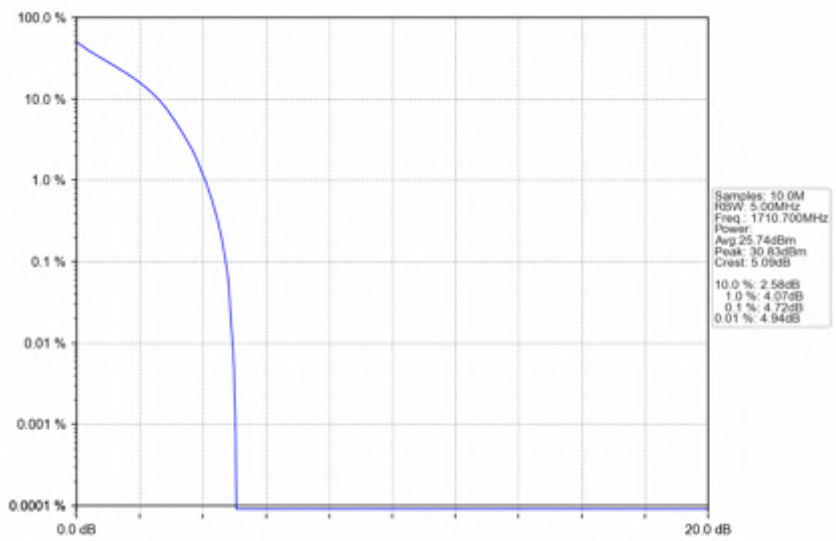
## 4.1 B66_1.4MHz

### 4.1.1 Test Result

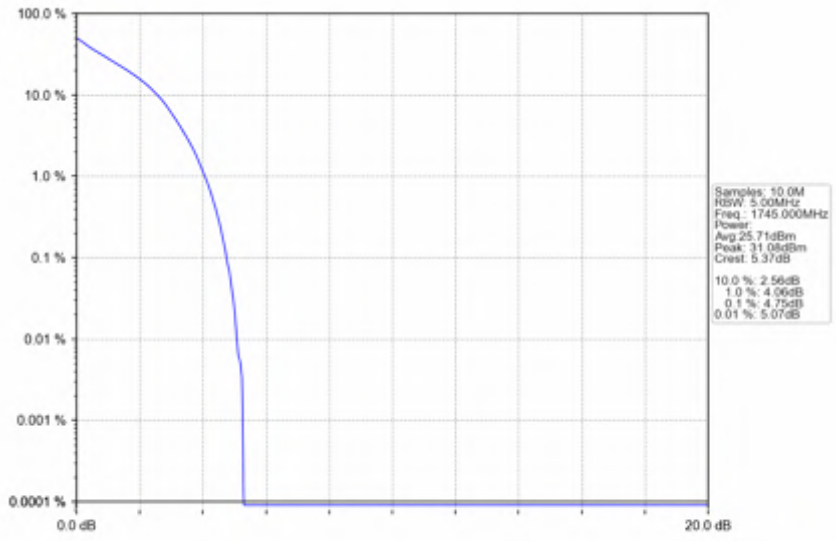
| Band: 66 / Bandwidth: 1.4MHz / NTNV | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Peak-Average Ratio (dB) | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 1710.7 | 6 | 0 | 4.72 | <=13 | Pass |
| | 1745 | 6 | 0 | 4.75 | <=13 | Pass |
| | 1779.3 | 6 | 0 | 4.57 | <=13 | Pass |
| 16QAM | 1710.7 | 6 | 0 | 5.52 | <=13 | Pass |
| | 1745 | 6 | 0 | 5.55 | <=13 | Pass |
| | 1779.3 | 6 | 0 | 5.43 | <=13 | Pass |
| 64QAM | 1710.7 | 6 | 0 | 6.10 | <=13 | Pass |
| | 1745 | 6 | 0 | 6.05 | <=13 | Pass |
| | 1779.3 | 6 | 0 | 5.75 | <=13 | Pass |

4.1.2 Test Graph

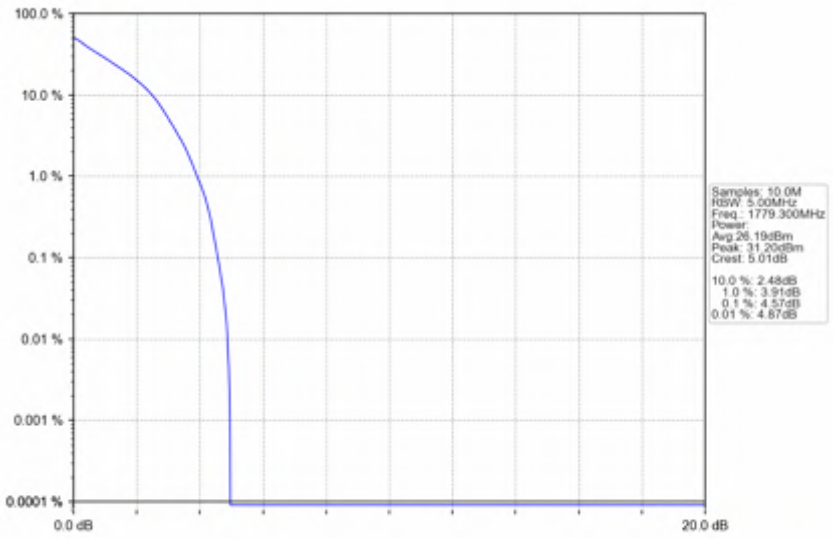
Band66_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



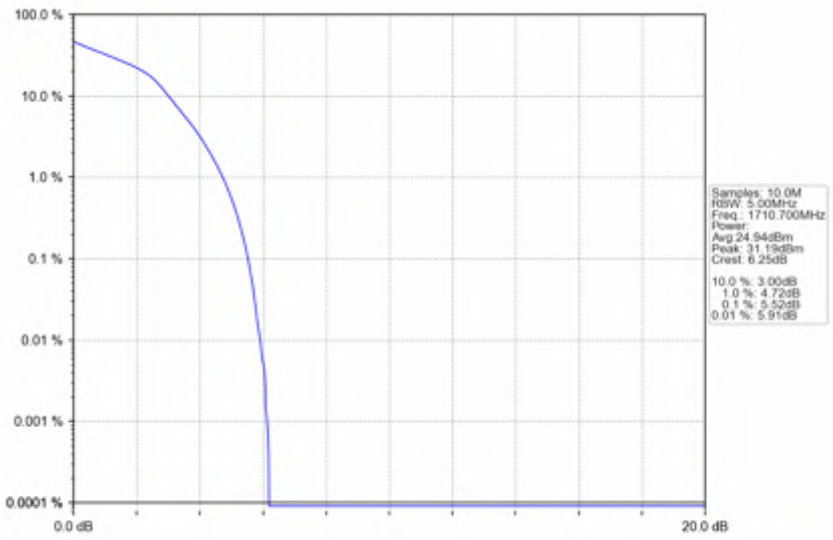

Band66_1.4MHz_QPSK_MCH_1745MHz_RB_6_0_NTNV



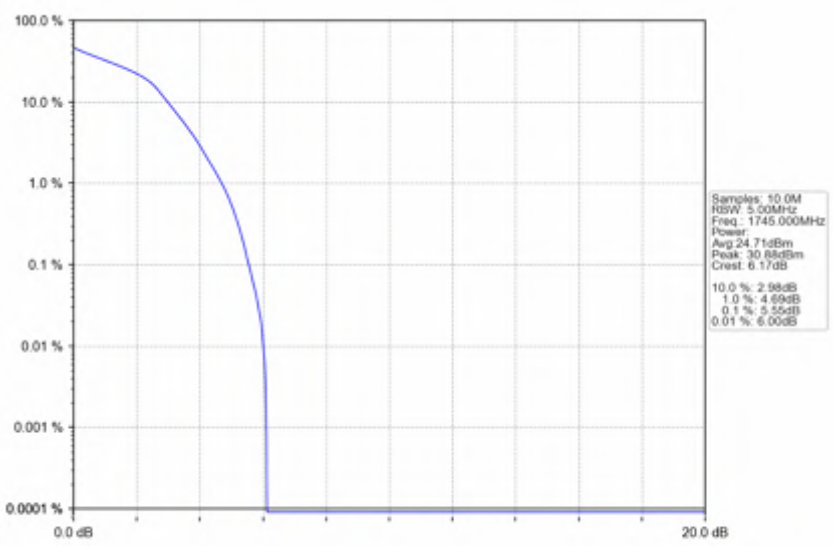
Band66_1.4MHz_QPSK_HCH_1779.3MHz_RB_6_0_NTNV



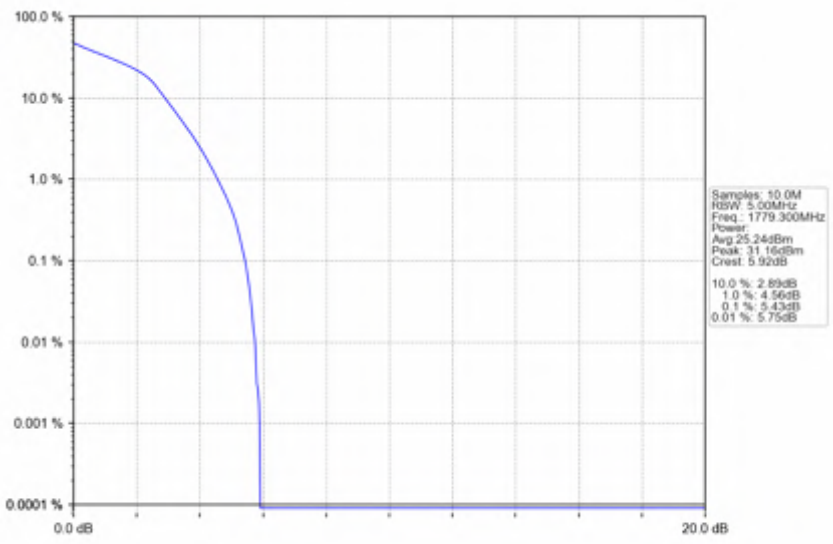

Band66_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



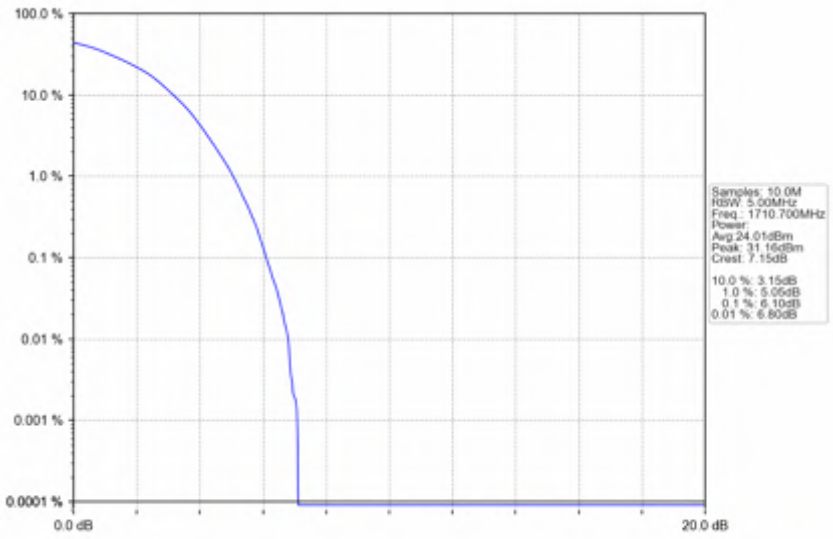
Band66_1.4MHz_16QAM_MCH_1745MHz_RB_6_0_NTNV



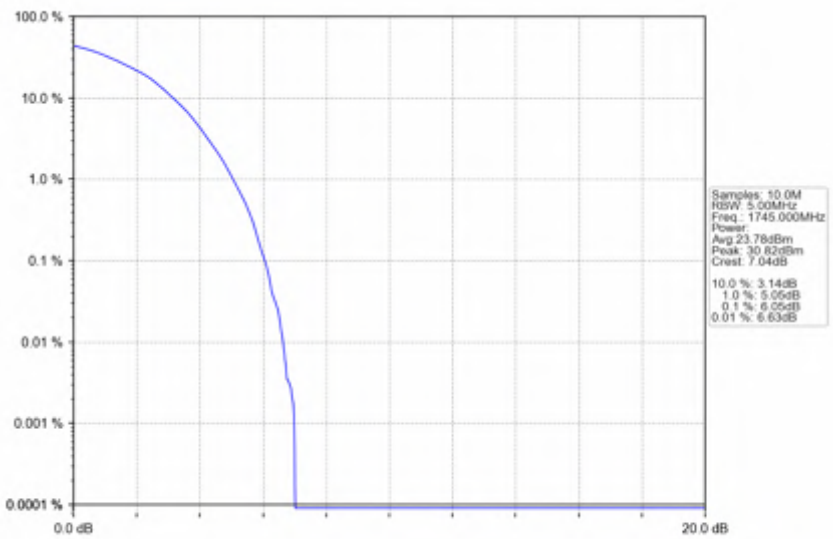

Band66_1.4MHz_16QAM_HCH_1779.3MHz_RB_6_0_NTNV



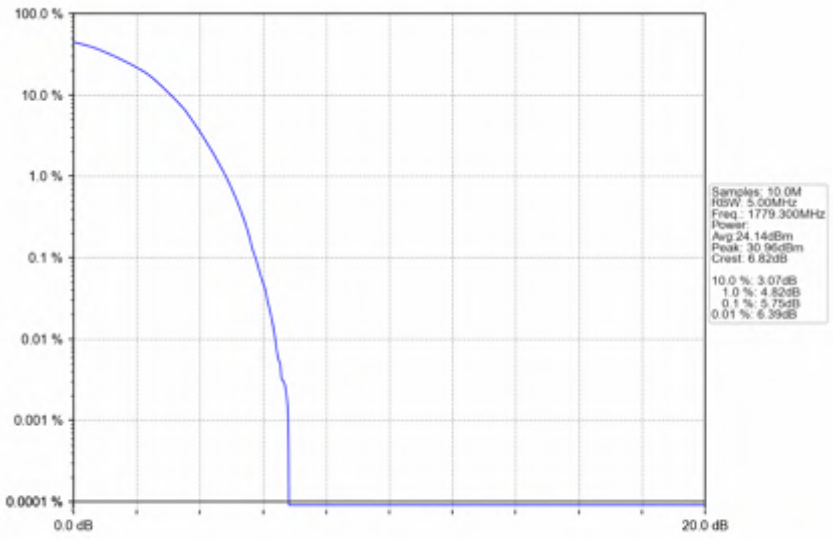
Band66_1.4MHz_64QAM_LCH_1710.7MHz_RB_6_0_NTNV




Band66_1.4MHz_64QAM_MCH_1745MHz_RB_6_0_NTNV



Band66_1.4MHz_64QAM_HCH_1779.3MHz_RB_6_0_NTNV



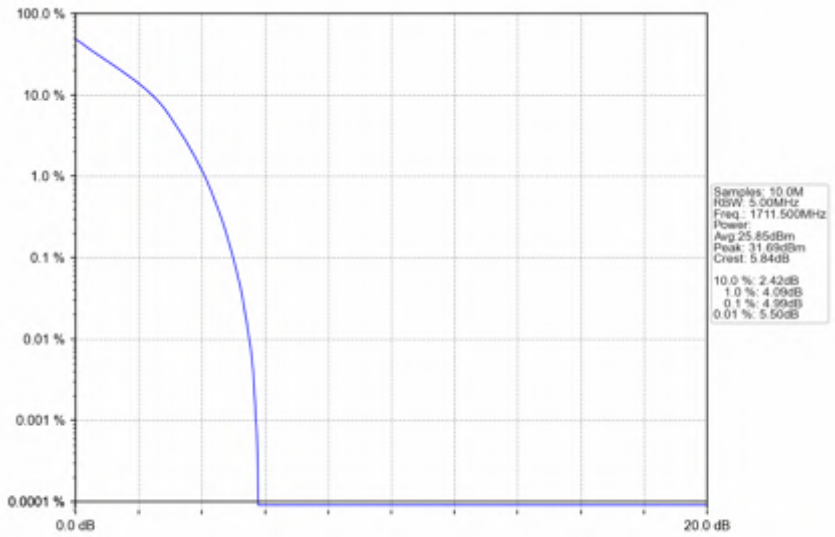
## 4.2 B66_3MHz

### 4.2.1 Test Result

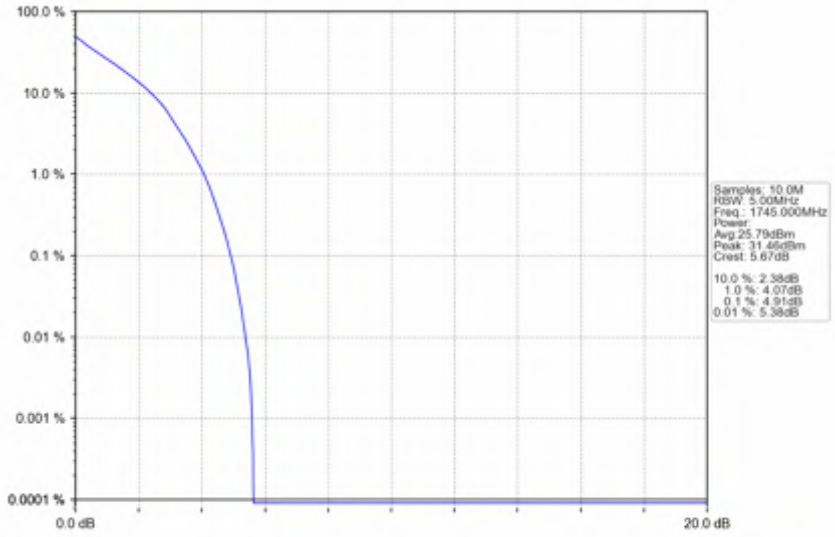
| Band: 66 / Bandwidth: 3MHz / NTNV | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Peak-Average Ratio (dB) | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 1711.5 | 15 | 0 | 4.99 | <=13 | Pass |
| | 1745 | 15 | 0 | 4.91 | <=13 | Pass |
| | 1778.5 | 15 | 0 | 4.83 | <=13 | Pass |
| 16QAM | 1711.5 | 15 | 0 | 5.81 | <=13 | Pass |
| | 1745 | 15 | 0 | 5.71 | <=13 | Pass |
| | 1778.5 | 15 | 0 | 5.66 | <=13 | Pass |
| 64QAM | 1711.5 | 15 | 0 | 6.19 | <=13 | Pass |
| | 1745 | 15 | 0 | 6.09 | <=13 | Pass |
| | 1778.5 | 15 | 0 | 6.07 | <=13 | Pass |

4.2.2 Test Graph

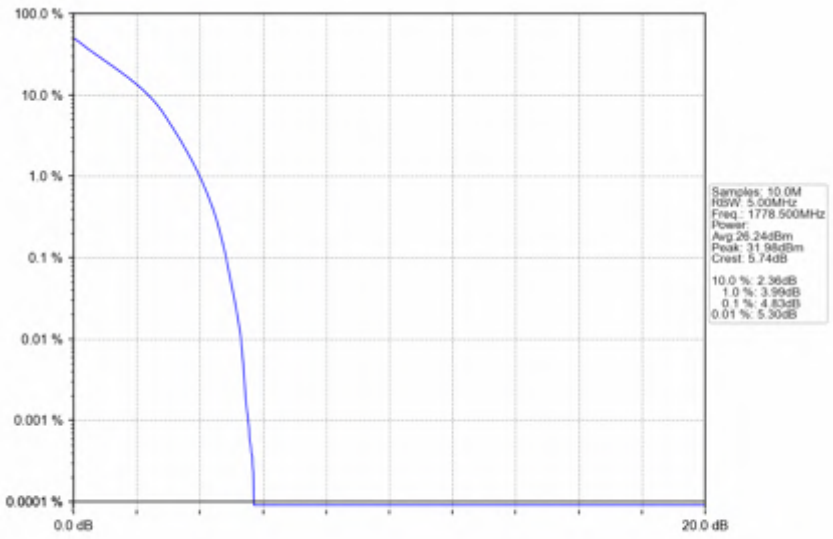
Band66_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



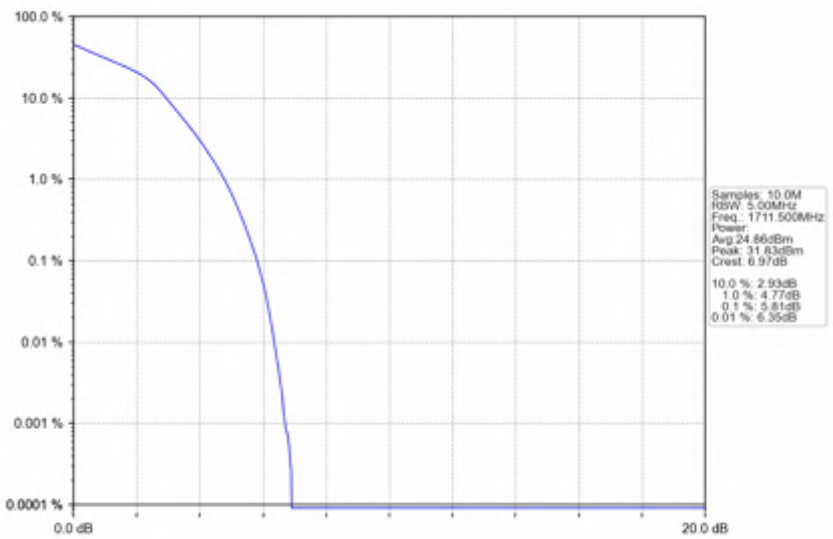

Band66_3MHz_QPSK_MCH_1745MHz_RB_15_0_NTNV



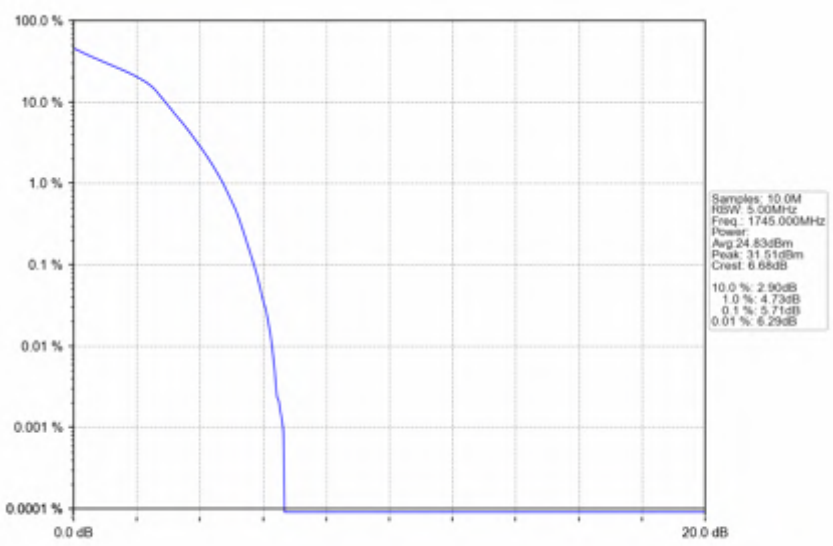
Band66_3MHz_QPSK_HCH_1778.5MHz_RB_15_0_NTNV



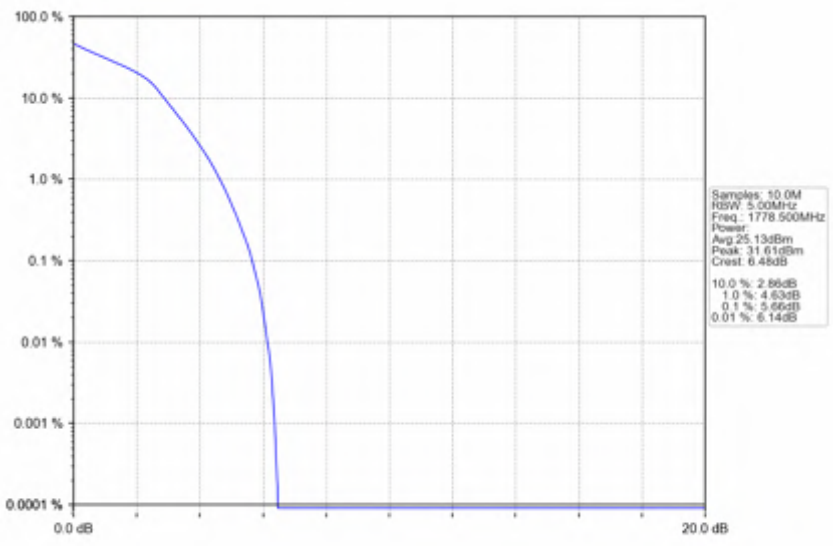

Band66_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



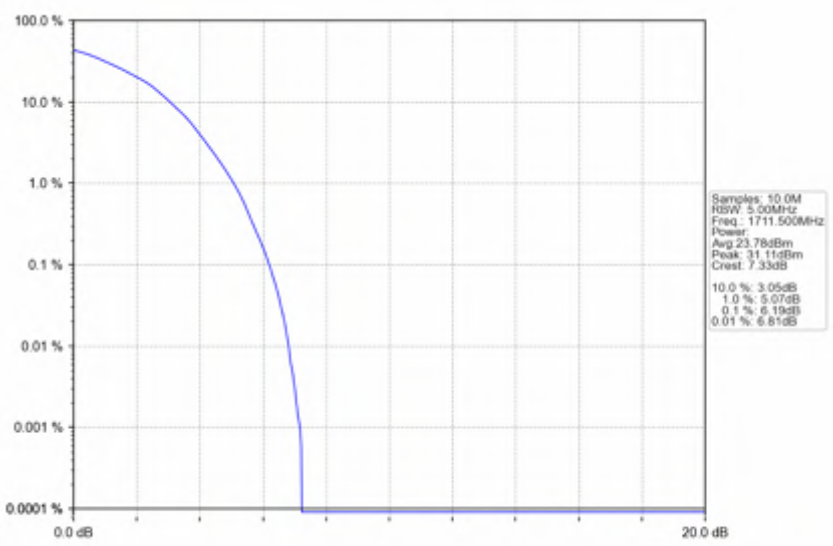
Band66_3MHz_16QAM_MCH_1745MHz_RB_15_0_NTNV



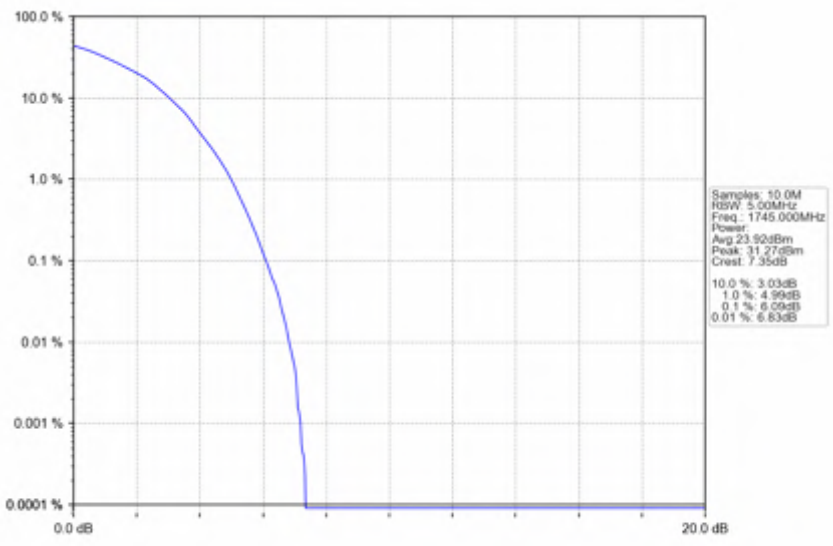

Band66_3MHz_16QAM_HCH_1778.5MHz_RB_15_0_NTNV



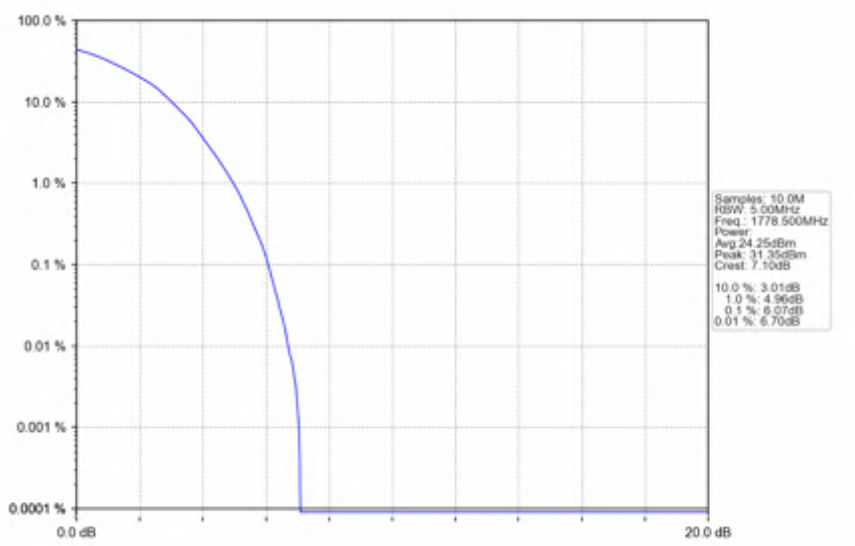
Band66_3MHz_64QAM_LCH_1711.5MHz_RB_15_0_NTNV




Band66_3MHz_64QAM_MCH_1745MHz_RB_15_0_NTNV



Band66_3MHz_64QAM_HCH_1778.5MHz_RB_15_0_NTNV



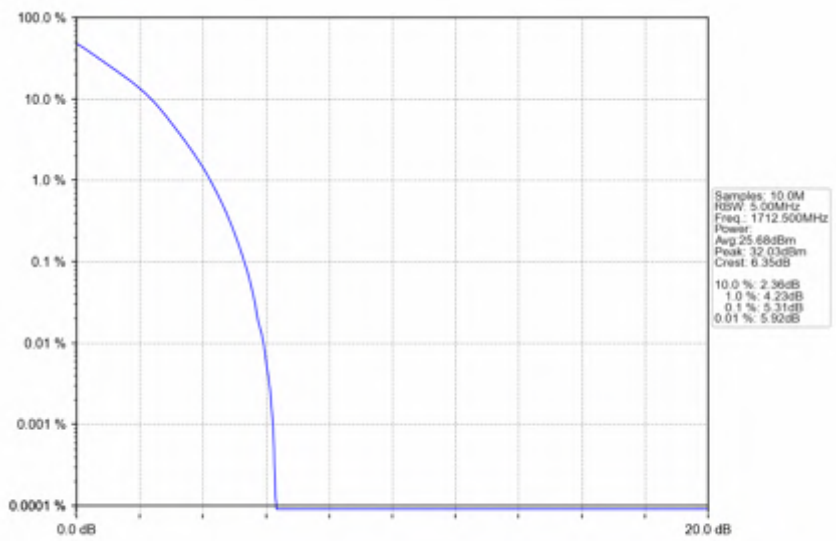
## 4.3 B66_5MHz

### 4.3.1 Test Result

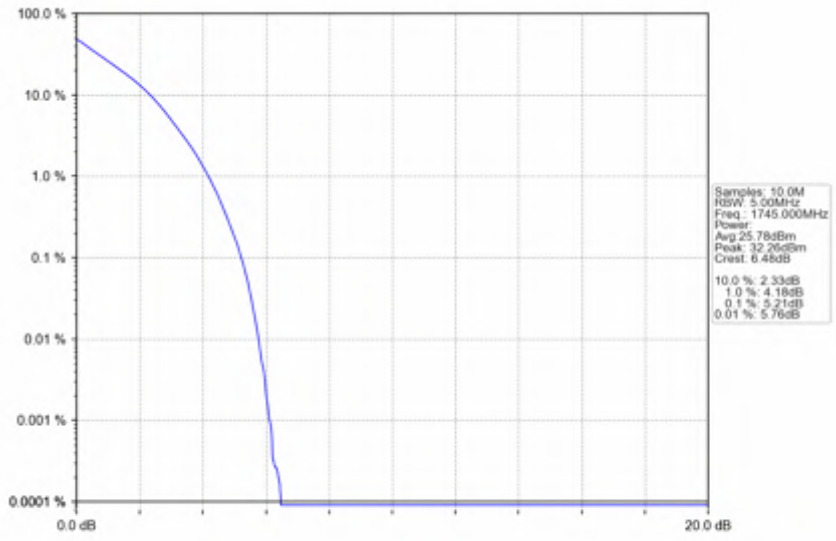
| Band: 66 / Bandwidth: 5MHz / NTNV | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Peak-Average Ratio (dB) | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 1712.5 | 25 | 0 | 5.31 | <=13 | Pass |
| | 1745 | 25 | 0 | 5.21 | <=13 | Pass |
| | 1777.5 | 25 | 0 | 5.08 | <=13 | Pass |
| 16QAM | 1712.5 | 25 | 0 | 5.97 | <=13 | Pass |
| | 1745 | 25 | 0 | 5.91 | <=13 | Pass |
| | 1777.5 | 25 | 0 | 5.80 | <=13 | Pass |
| 64QAM | 1712.5 | 25 | 0 | 6.30 | <=13 | Pass |
| | 1745 | 25 | 0 | 6.22 | <=13 | Pass |
| | 1777.5 | 25 | 0 | 6.15 | <=13 | Pass |

4.3.2 Test Graph

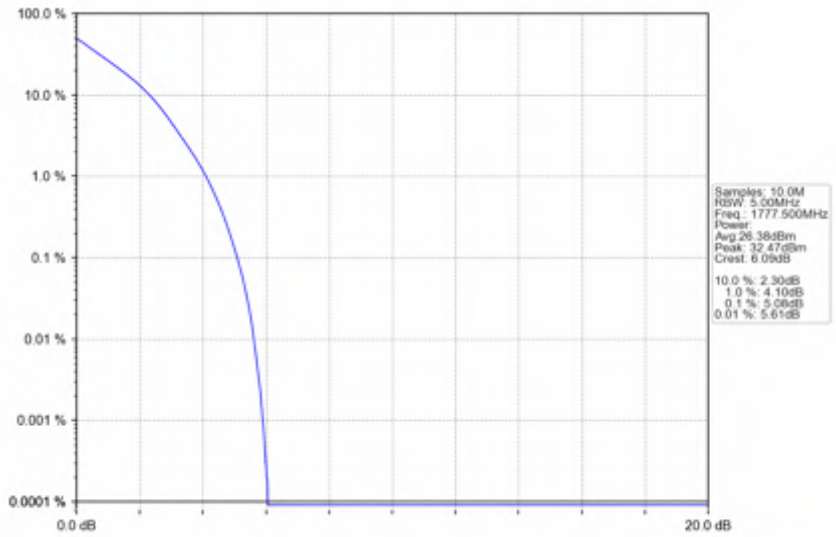
Band66_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



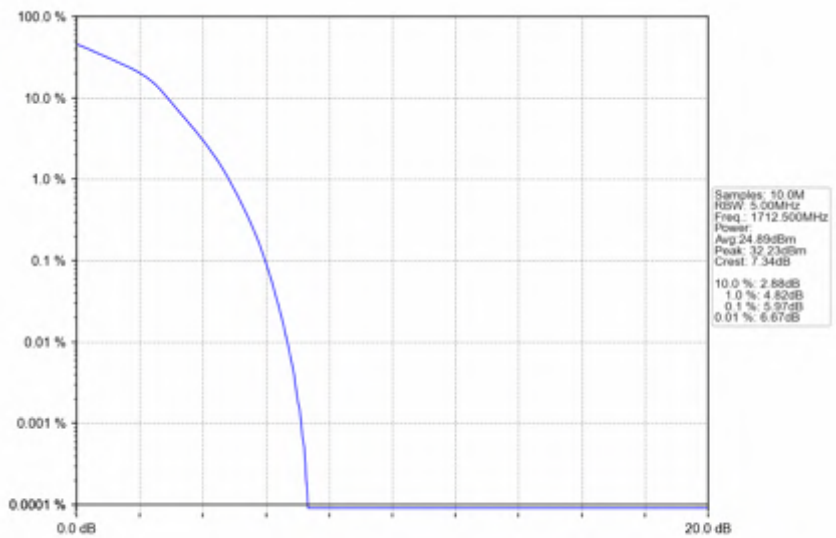

Band66_5MHz_QPSK_MCH_1745MHz_RB_25_0_NTNV



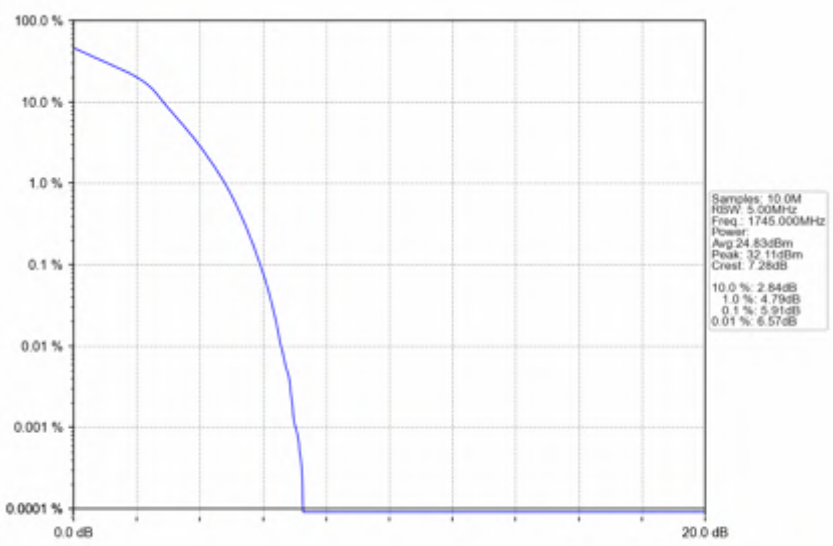
Band66_5MHz_QPSK_HCH_1777.5MHz_RB_25_0_NTNV



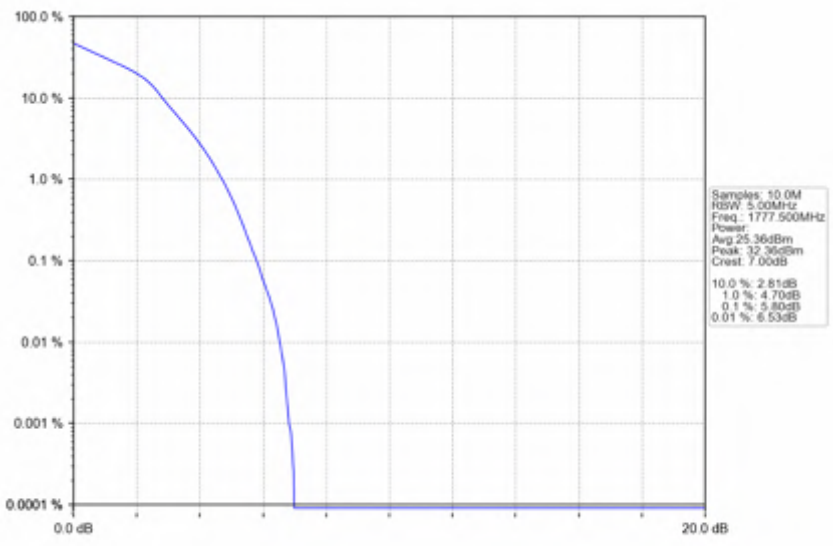

Band66_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



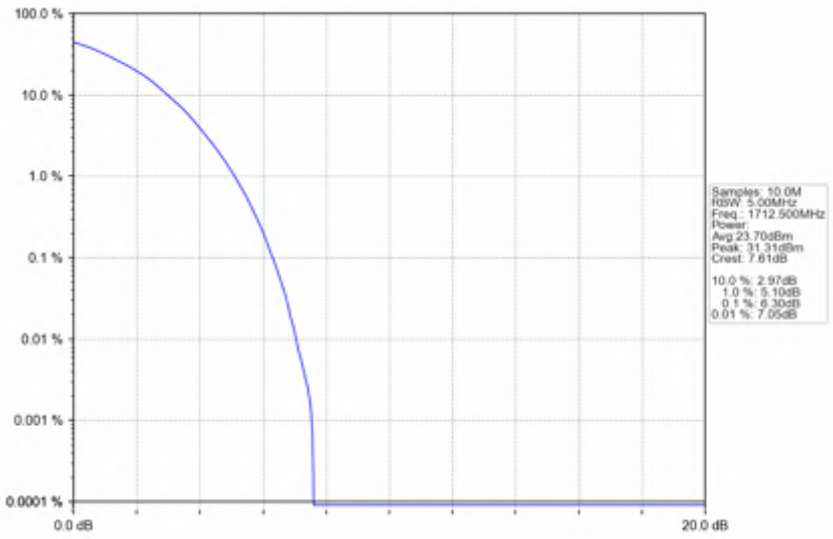
Band66_5MHz_16QAM_MCH_1745MHz_RB_25_0_NTNV



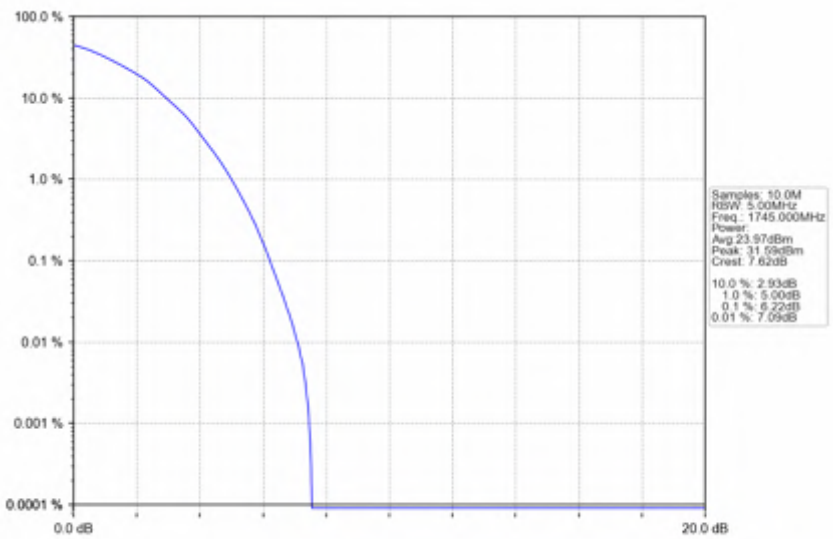

Band66_5MHz_16QAM_HCH_1777.5MHz_RB_25_0_NTNV



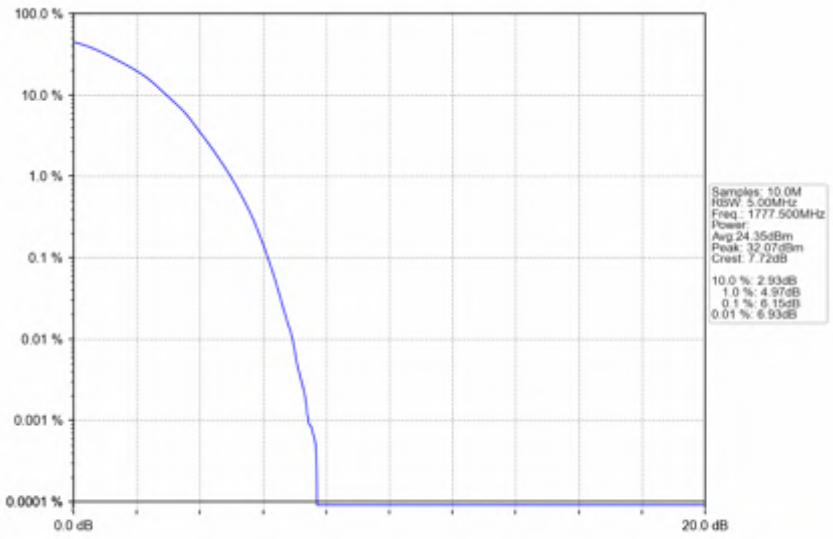
Band66_5MHz_64QAM_LCH_1712.5MHz_RB_25_0_NTNV




Band66_5MHz_64QAM_MCH_1745MHz_RB_25_0_NTNV



Band66_5MHz_64QAM_HCH_1777.5MHz_RB_25_0_NTNV



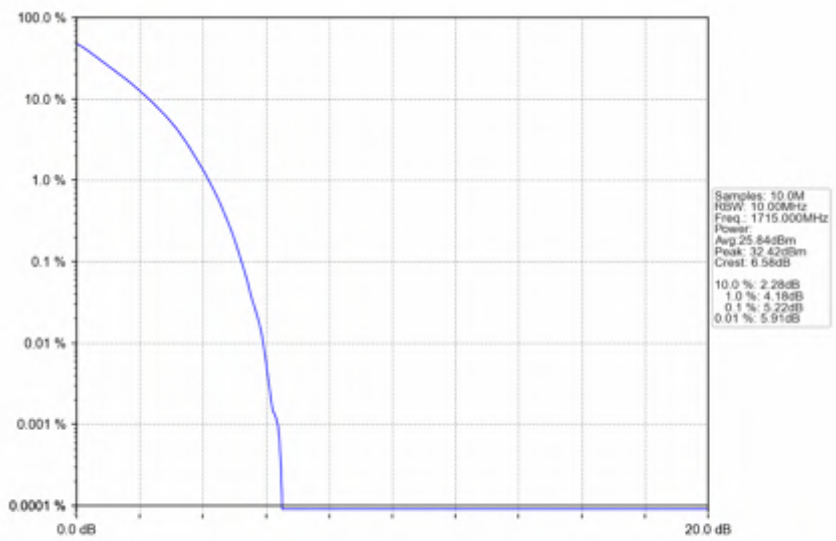
## 4.4 B66_10MHz

### 4.4.1 Test Result

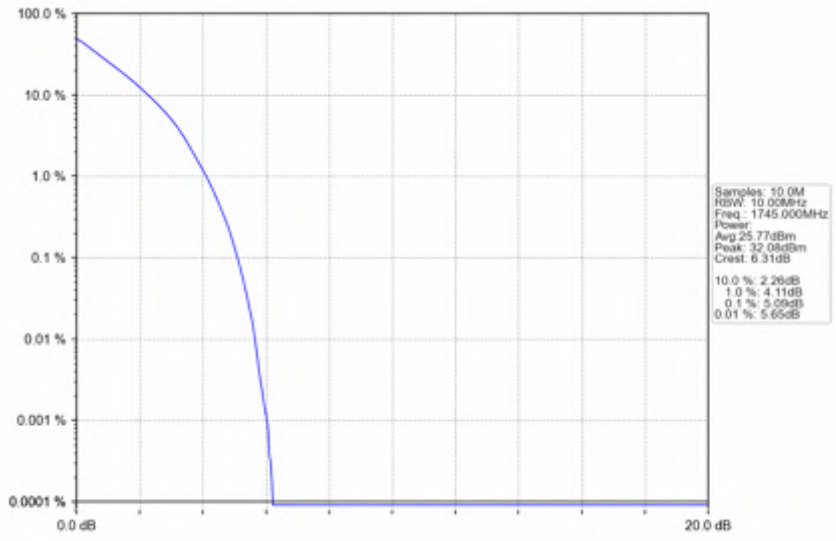
| Band: 66 / Bandwidth: 10MHz / NTNV | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Peak-Average Ratio (dB) | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 1715 | 50 | 0 | 5.22 | <=13 | Pass |
| | 1745 | 50 | 0 | 5.09 | <=13 | Pass |
| | 1775 | 50 | 0 | 5.00 | <=13 | Pass |
| 16QAM | 1715 | 50 | 0 | 5.99 | <=13 | Pass |
| | 1745 | 50 | 0 | 5.88 | <=13 | Pass |
| | 1775 | 50 | 0 | 5.79 | <=13 | Pass |
| 64QAM | 1715 | 50 | 0 | 6.29 | <=13 | Pass |
| | 1745 | 50 | 0 | 6.23 | <=13 | Pass |
| | 1775 | 50 | 0 | 6.07 | <=13 | Pass |

4.4.2 Test Graph

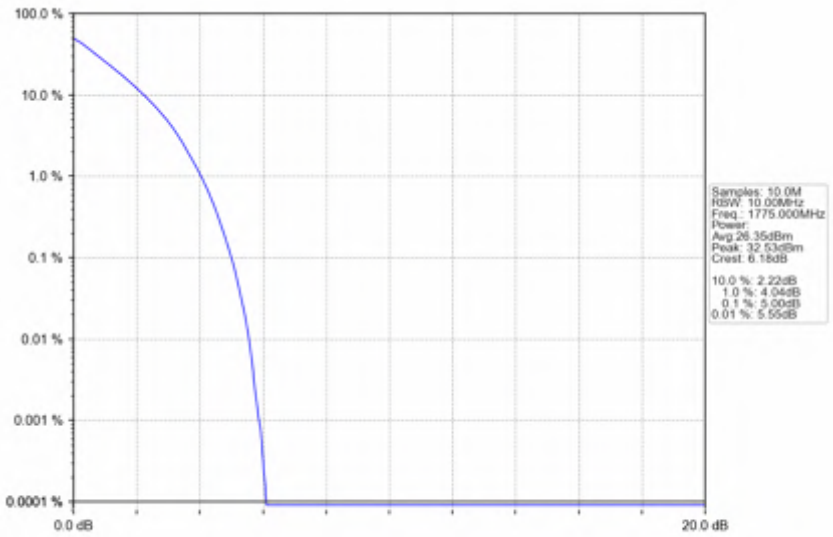
Band66_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



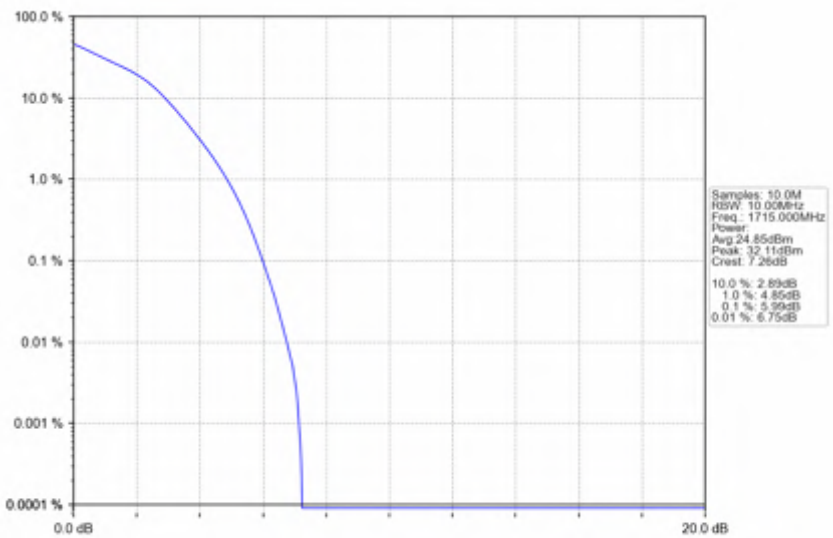

Band66_10MHz_QPSK_MCH_1745MHz_RB_50_0_NTNV



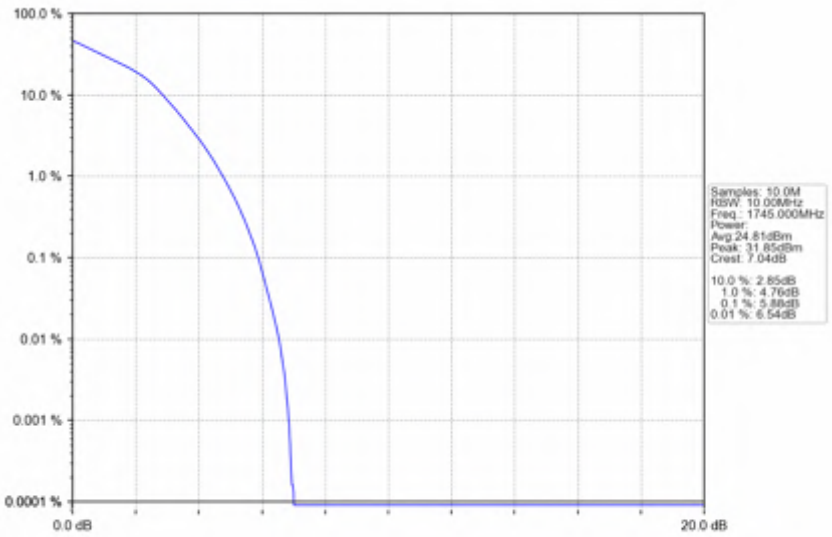
Band66_10MHz_QPSK_HCH_1775MHz_RB_50_0_NTNV



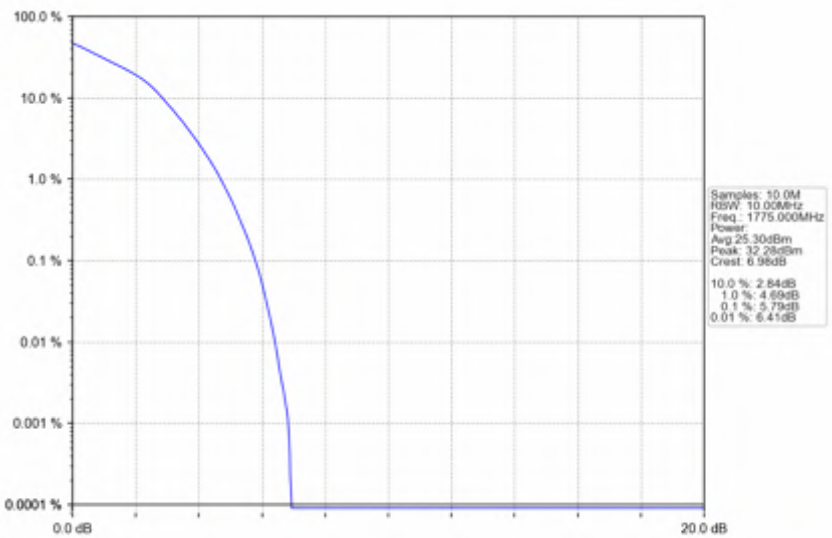

Band66_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



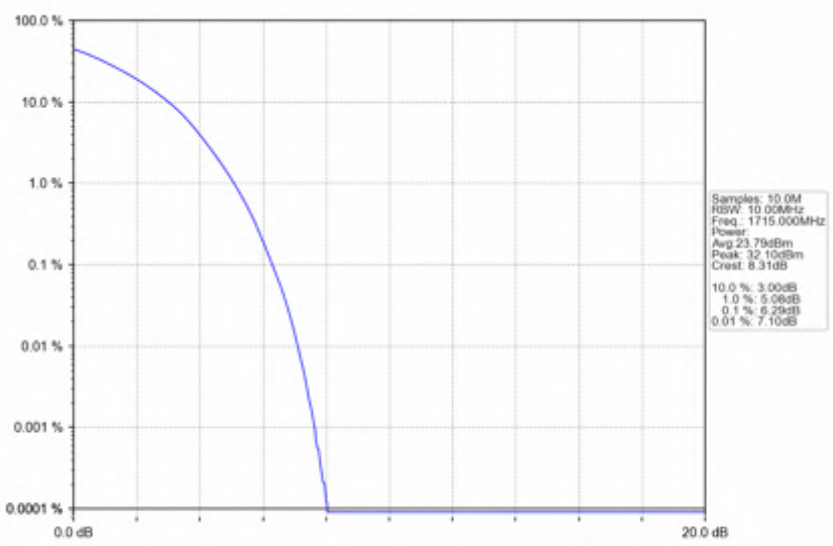
Band66_10MHz_16QAM_MCH_1745MHz_RB_50_0_NTNV



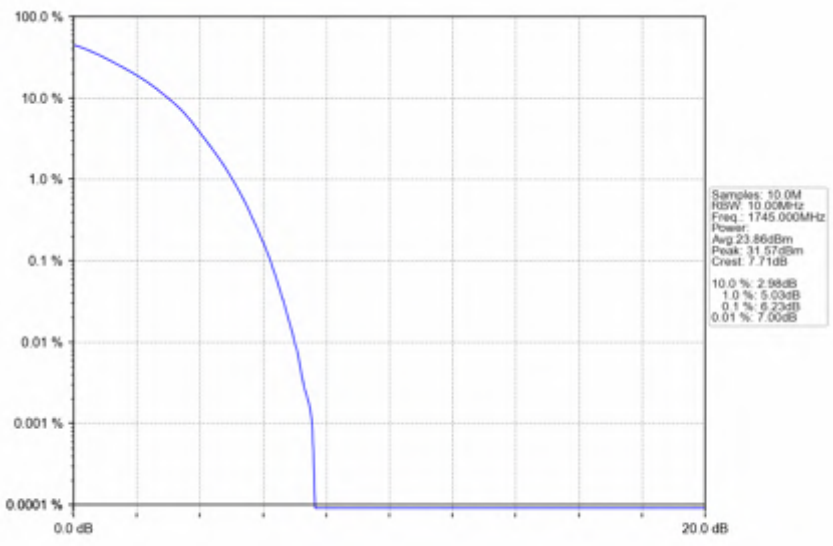

Band66_10MHz_16QAM_HCH_1775MHz_RB_50_0_NTNV



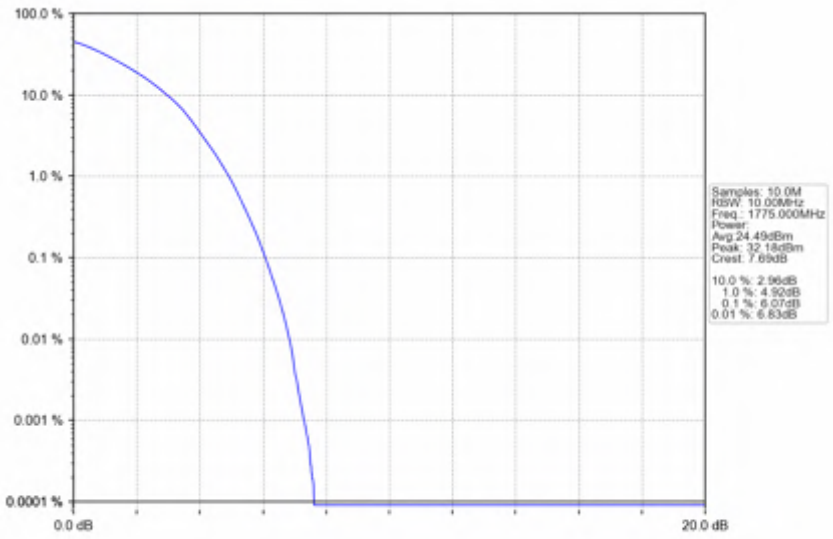
Band66_10MHz_64QAM_LCH_1715MHz_RB_50_0_NTNV




Band66_10MHz_64QAM_MCH_1745MHz_RB_50_0_NTNV



Band66_10MHz_64QAM_HCH_1775MHz_RB_50_0_NTNV



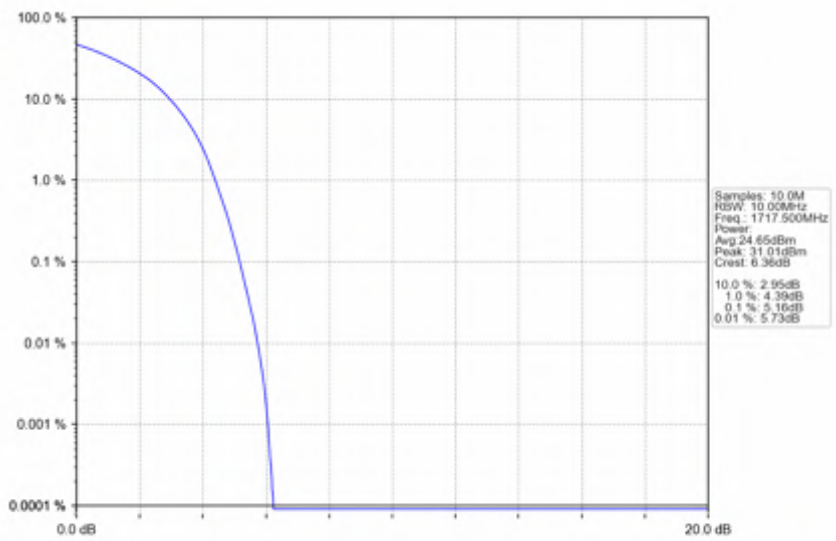
## 4.5 B66_15MHz

### 4.5.1 Test Result

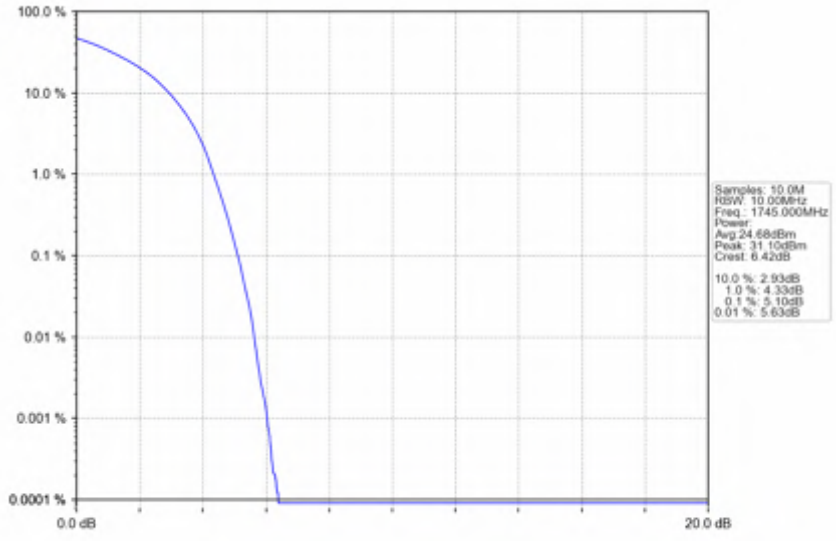
| Band: 66 / Bandwidth: 15MHz / NTNV | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Peak-Average Ratio (dB) | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 1717.5 | 75 | 0 | 5.16 | <=13 | Pass |
| | 1745 | 75 | 0 | 5.10 | <=13 | Pass |
| | 1772.5 | 75 | 0 | 5.09 | <=13 | Pass |
| 16QAM | 1717.5 | 75 | 0 | 6.27 | <=13 | Pass |
| | 1745 | 75 | 0 | 6.17 | <=13 | Pass |
| | 1772.5 | 75 | 0 | 6.18 | <=13 | Pass |
| 64QAM | 1717.5 | 75 | 0 | 6.51 | <=13 | Pass |
| | 1745 | 75 | 0 | 6.43 | <=13 | Pass |
| | 1772.5 | 75 | 0 | 6.42 | <=13 | Pass |

4.5.2 Test Graph

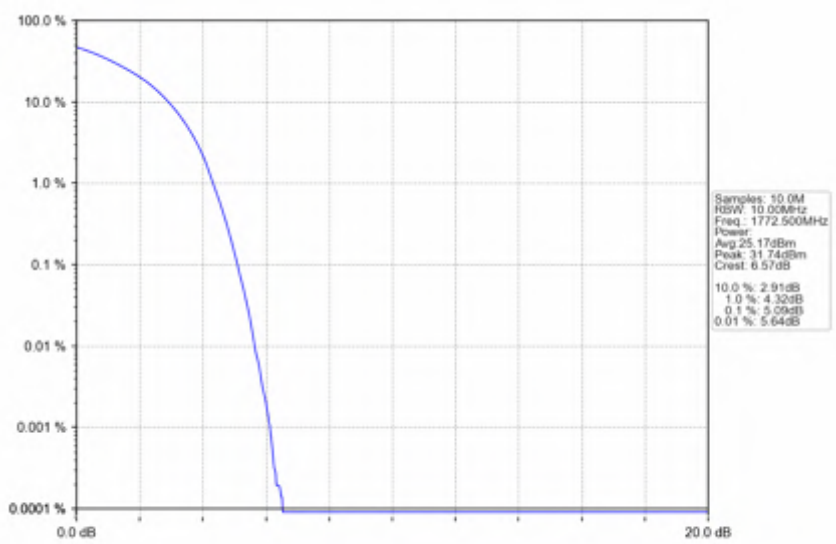
Band66_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



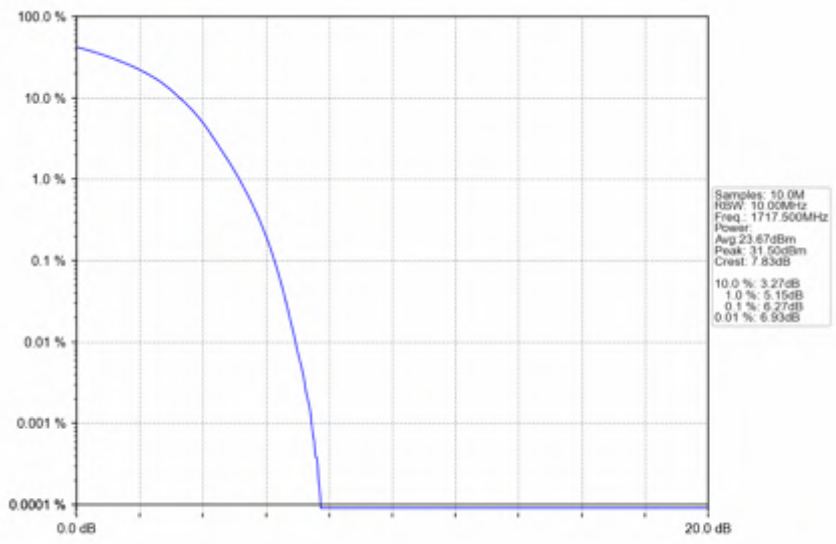

Band66_15MHz_QPSK_MCH_1745MHz_RB_75_0_NTNV



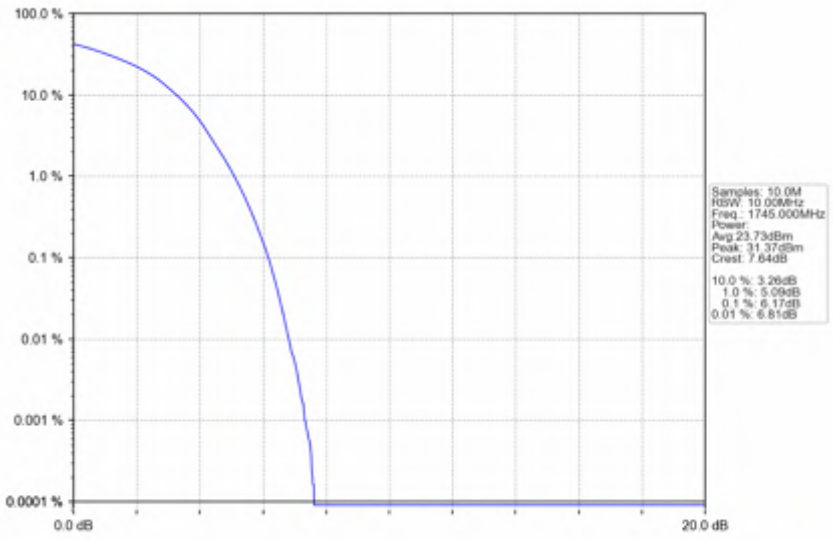
Band66_15MHz_QPSK_HCH_1772.5MHz_RB_75_0_NTNV



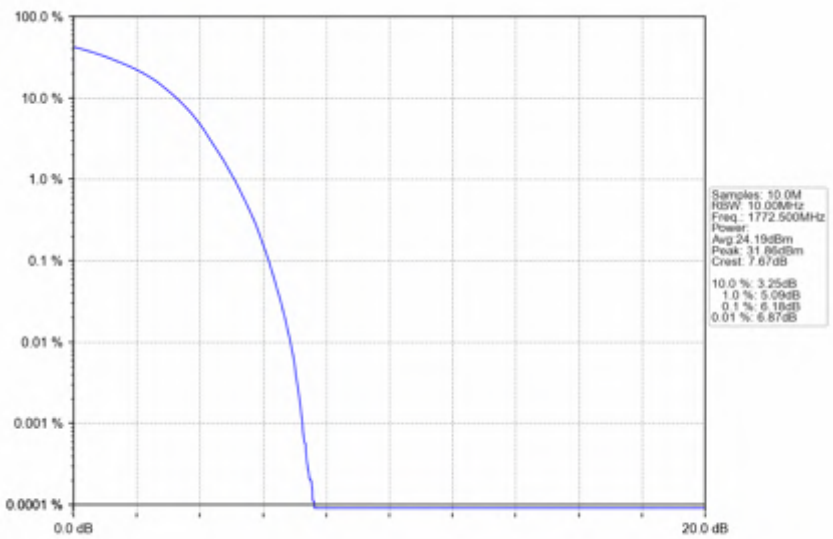

Band66_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



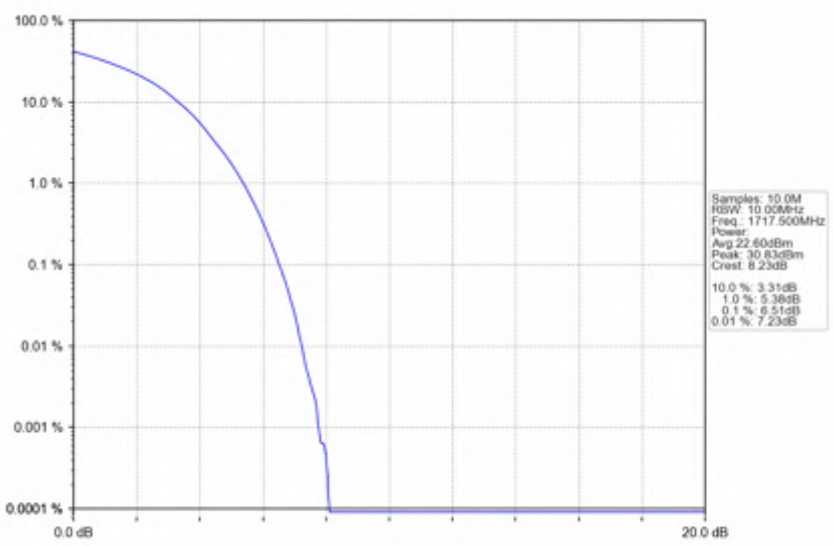
Band66_15MHz_16QAM_MCH_1745MHz_RB_75_0_NTNV



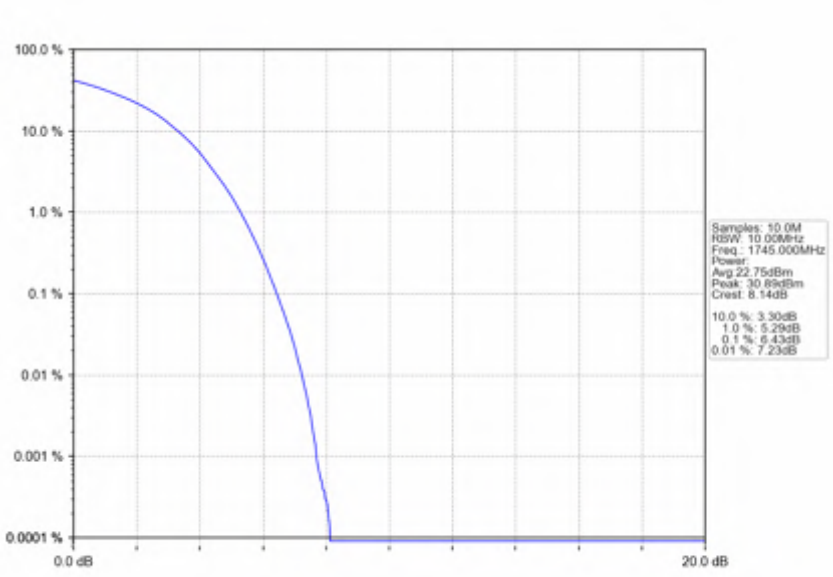

Band66_15MHz_16QAM_HCH_1772.5MHz_RB_75_0_NTNV



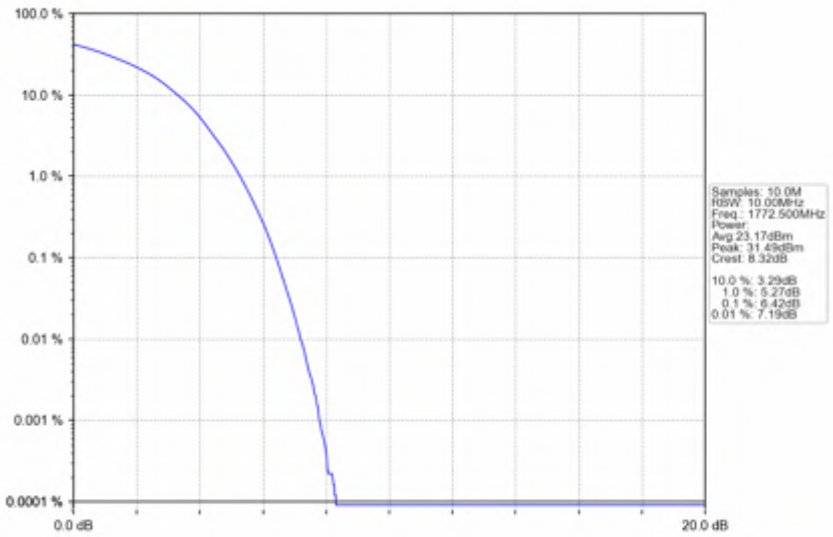
Band66_15MHz_64QAM_LCH_1717.5MHz_RB_75_0_NTNV




Band66_15MHz_64QAM_MCH_1745MHz_RB_75_0_NTNV



Band66_15MHz_64QAM_HCH_1772.5MHz_RB_75_0_NTNV

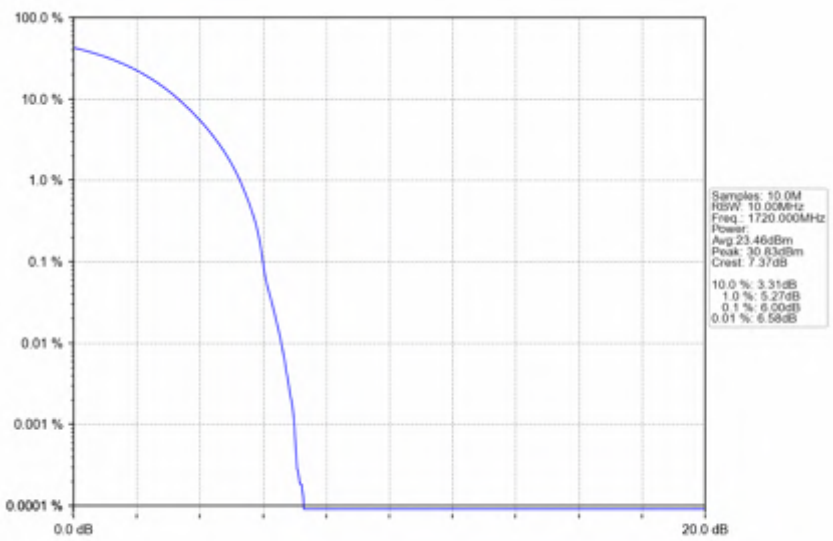
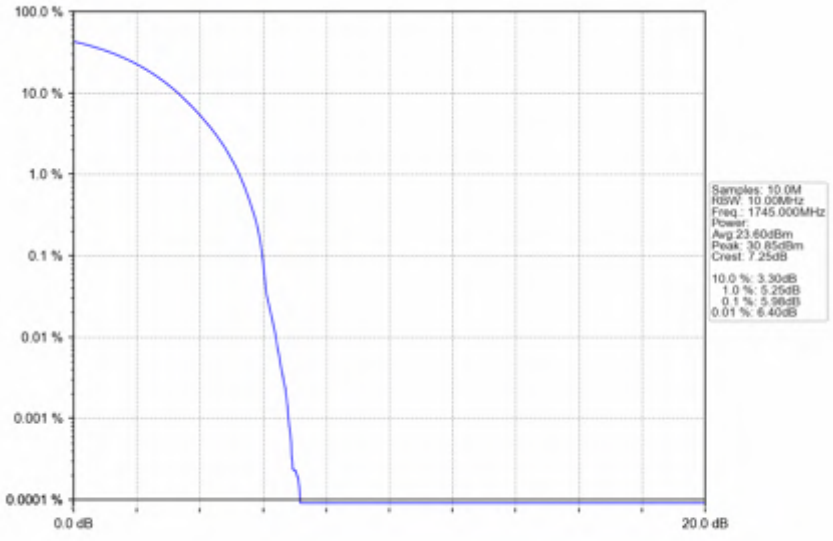


## 4.6 B66_20MHz

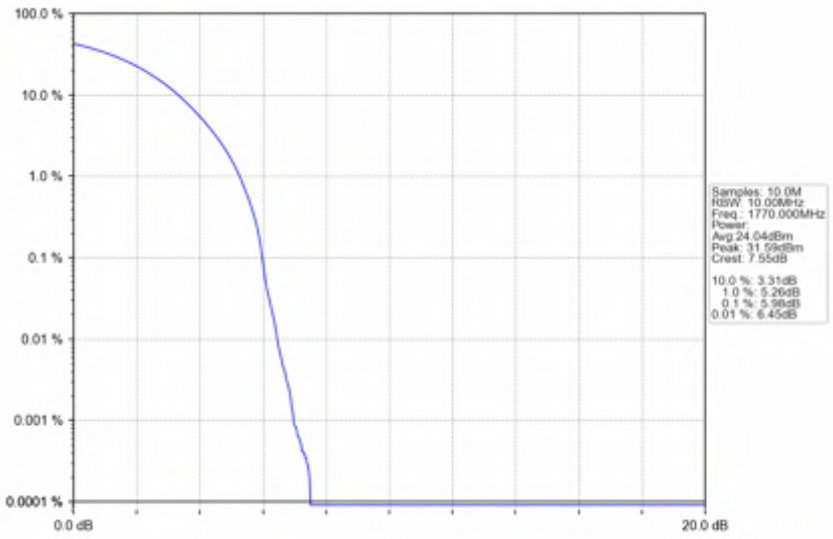
### 4.6.1 Test Result

| Band: 66 / Bandwidth: 20MHz / NTNV | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Peak-Average Ratio (dB) | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 1720 | 100 | 0 | 6.00 | <=13 | Pass |
| | 1745 | 100 | 0 | 5.98 | <=13 | Pass |
| | 1770 | 100 | 0 | 5.98 | <=13 | Pass |
| 16QAM | 1720 | 100 | 0 | 6.77 | <=13 | Pass |
| | 1745 | 100 | 0 | 6.74 | <=13 | Pass |
| | 1770 | 100 | 0 | 6.71 | <=13 | Pass |
| 64QAM | 1720 | 100 | 0 | 6.98 | <=13 | Pass |
| | 1745 | 100 | 0 | 6.86 | <=13 | Pass |
| | 1770 | 100 | 0 | 6.96 | <=13 | Pass |

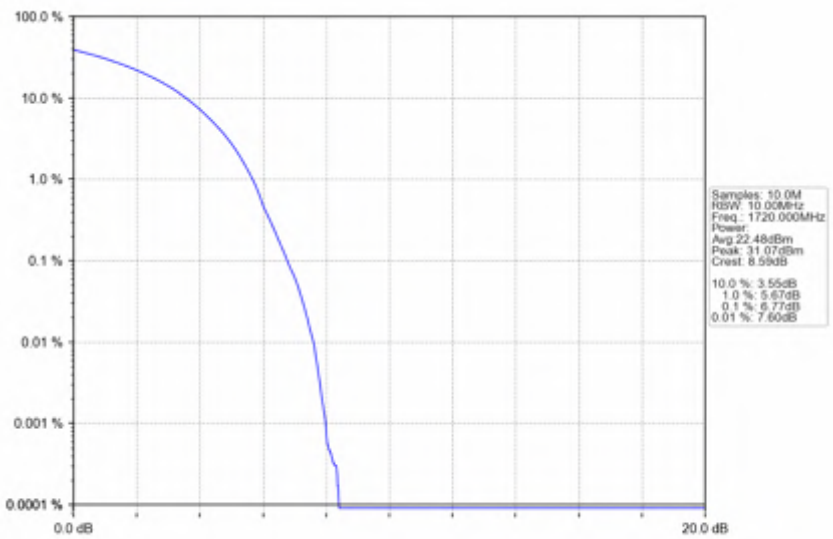
4.6.2 Test Graph

| Band66_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV |
| --- |
|  |
| Band66_20MHz_QPSK_MCH_1745MHz_RB_100_0_NTNV |
|  |

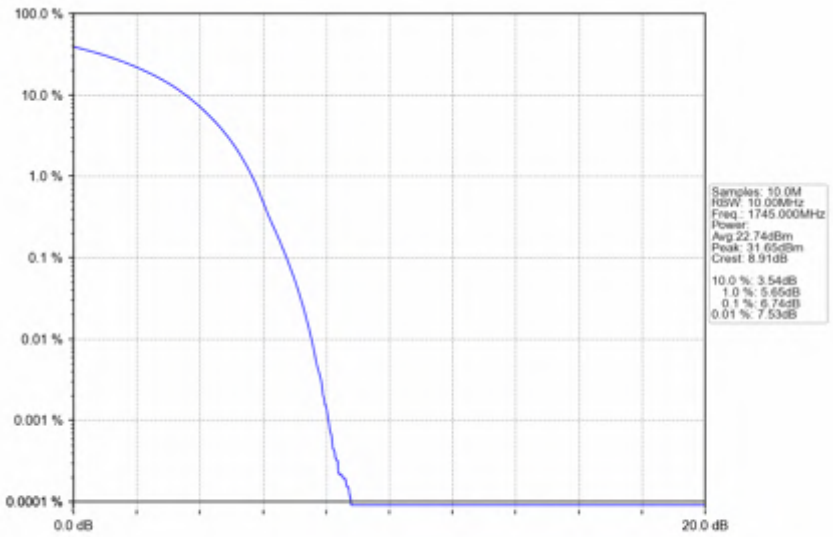
Band66_20MHz_QPSK_HCH_1770MHz_RB_100_0_NTNV



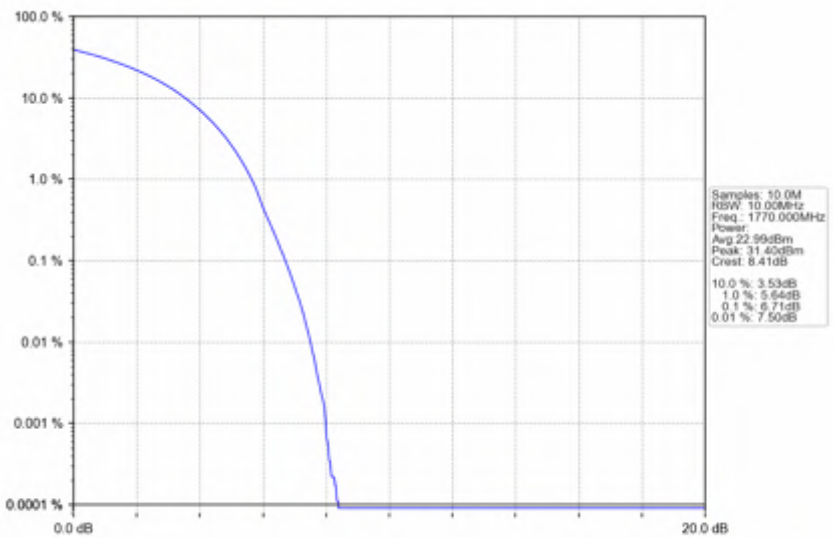

Band66_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



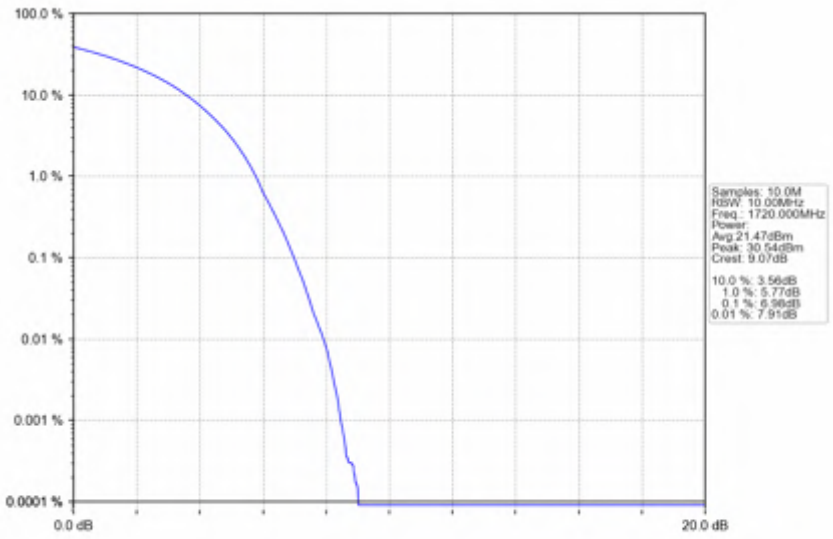
Band66_20MHz_16QAM_MCH_1745MHz_RB_100_0_NTNV



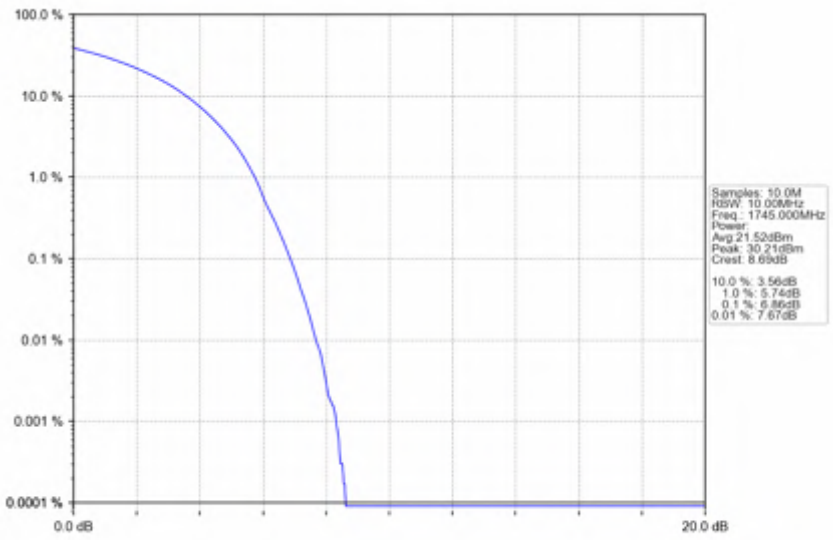

Band66_20MHz_16QAM_HCH_1770MHz_RB_100_0_NTNV



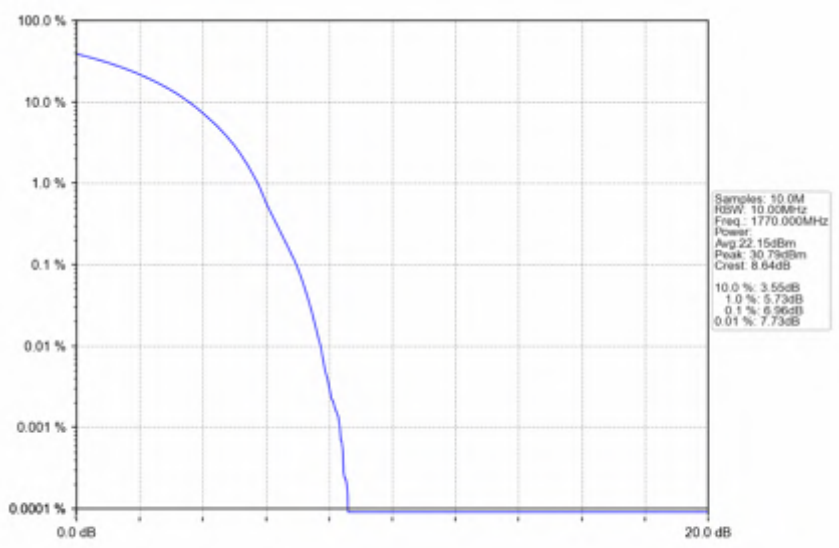
Band66_20MHz_64QAM_LCH_1720MHz_RB_100_0_NTNV




Band66_20MHz_64QAM_MCH_1745MHz_RB_100_0_NTNV



Band66_20MHz_64QAM_HCH_1770MHz_RB_100_0_NTNV



# 5. Spurious Emission

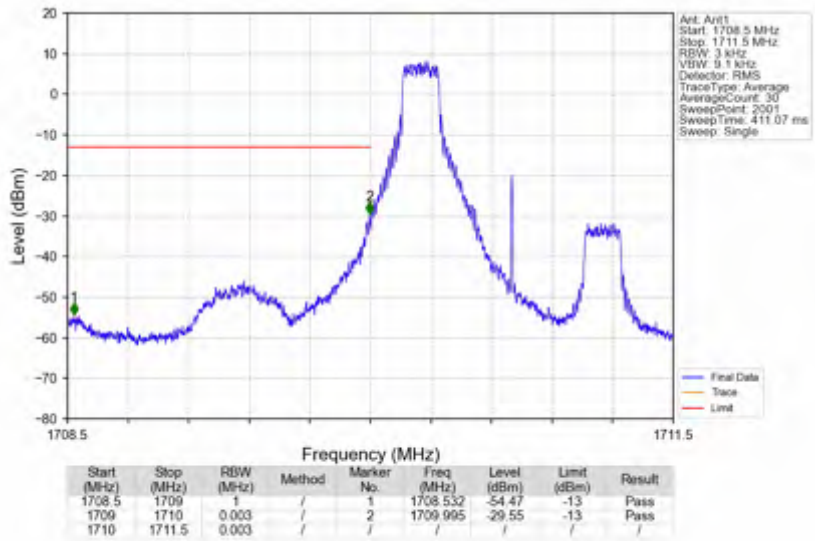
## 5.1 B66_1.4MHz

### 5.1.1 Test Result

| Band: 66 / Bandwidth: 1.4MHz / NTNV | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Spurious Emission | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 1710.7 | 1 | 0 | Refer To Test Graph | | Pass |
| | | 6 | 0 | Refer To Test Graph | | Pass |
| | 1745 | 1 | 0 | Refer To Test Graph | | Pass |
| | 1779.3 | 1 | 0 | Refer To Test Graph | | Pass |
| | | | 5 | Refer To Test Graph | | Pass |
| | | 6 | 0 | Refer To Test Graph | | Pass |
| 16QAM | 1710.7 | 1 | 0 | Refer To Test Graph | | Pass |
| | | 6 | 0 | Refer To Test Graph | | Pass |
| | 1745 | 1 | 0 | Refer To Test Graph | | Pass |
| | 1779.3 | 1 | 0 | Refer To Test Graph | | Pass |
| | | | 5 | Refer To Test Graph | | Pass |
| | | 6 | 0 | Refer To Test Graph | | Pass |
| 64QAM | 1710.7 | 1 | 0 | Refer To Test Graph | | Pass |
| | | 6 | 0 | Refer To Test Graph | | Pass |
| | 1745 | 1 | 0 | Refer To Test Graph | | Pass |
| | 1779.3 | 1 | 0 | Refer To Test Graph | | Pass |
| | | | 5 | Refer To Test Graph | | Pass |
| | | 6 | 0 | Refer To Test Graph | | Pass |

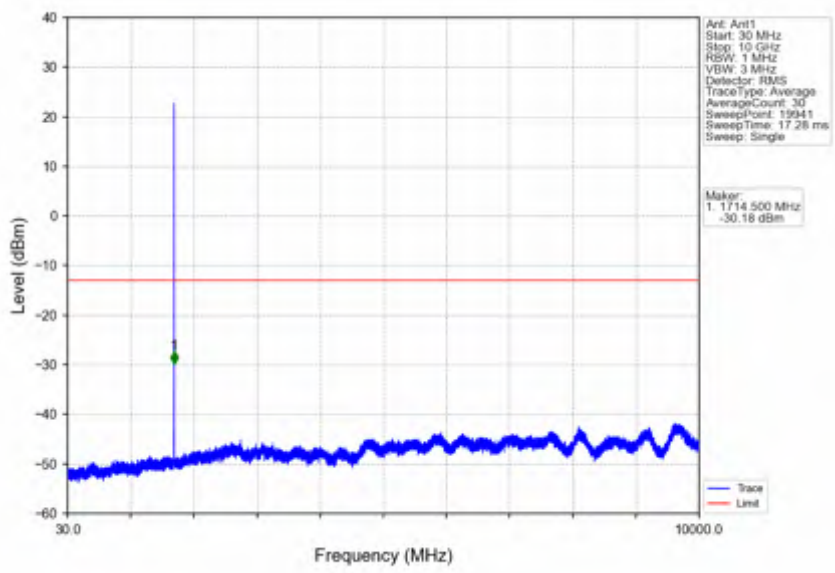
5.1.2 Test Graph

Band66_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV

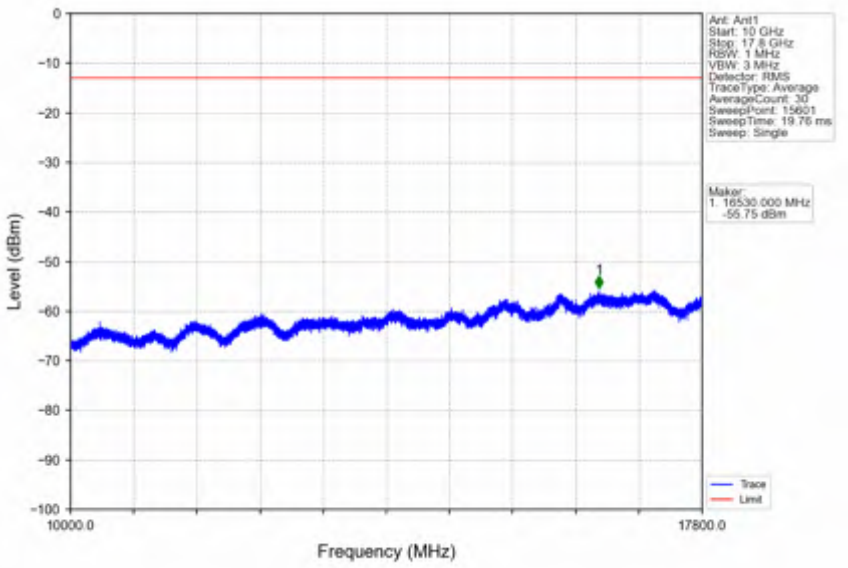



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1708.5 | 1709 | 1 | / | 1 | 1708.532 | -54.47 | -13 | Pass |
| 1709 | 1710 | 0.003 | / | 2 | 1709.995 | -29.55 | -13 | Pass |
| 1710 | 1711.5 | 0.003 | / | / | / | / | / | / |

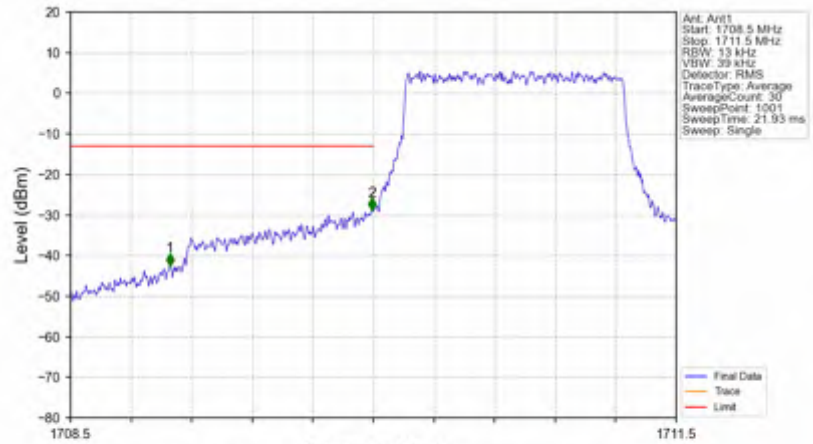
Band66_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV



Band66_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV

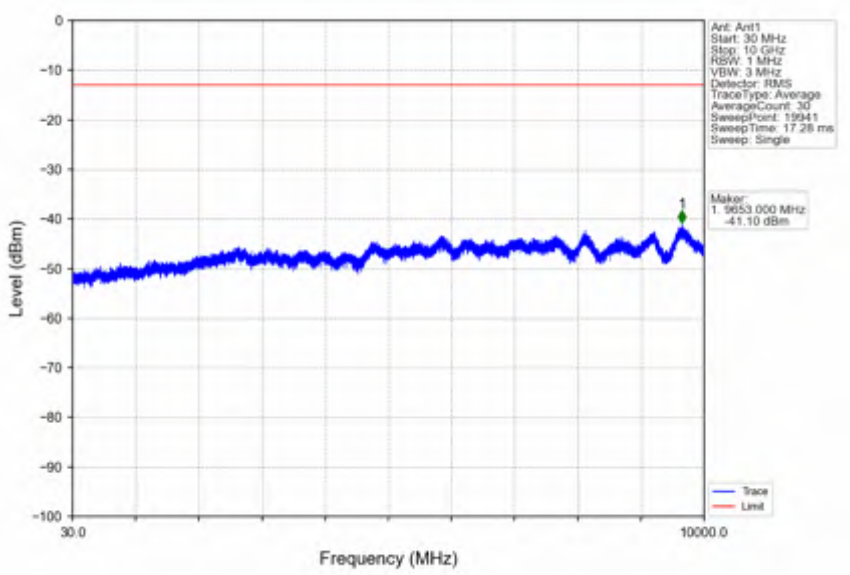



Band66_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV

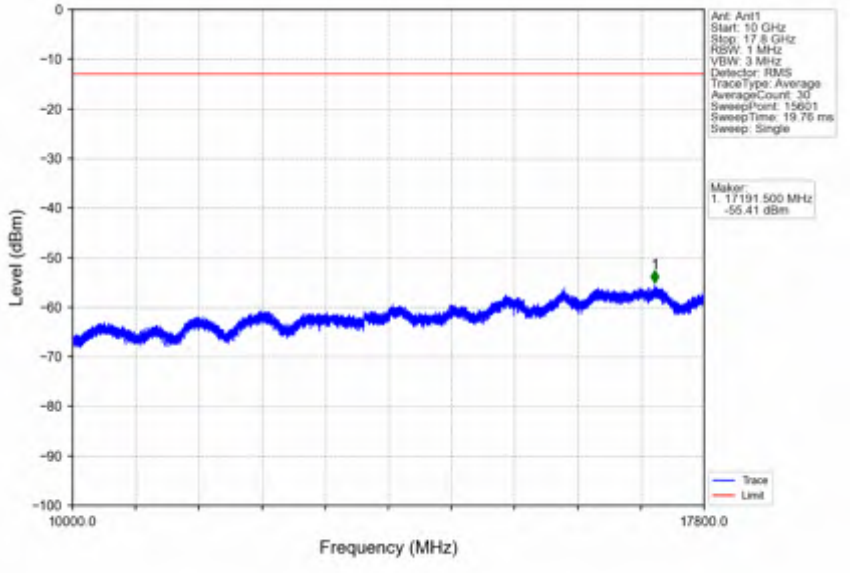



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1708.5 | 1709 | 1 | / | 1 | 1708.992 | -42.55 | -13 | Pass |
| 1709 | 1710 | 0.013 | / | 2 | 1709.994 | -28.89 | -13 | Pass |
| 1710 | 1711.5 | 0.013 | / | / | / | / | / | / |

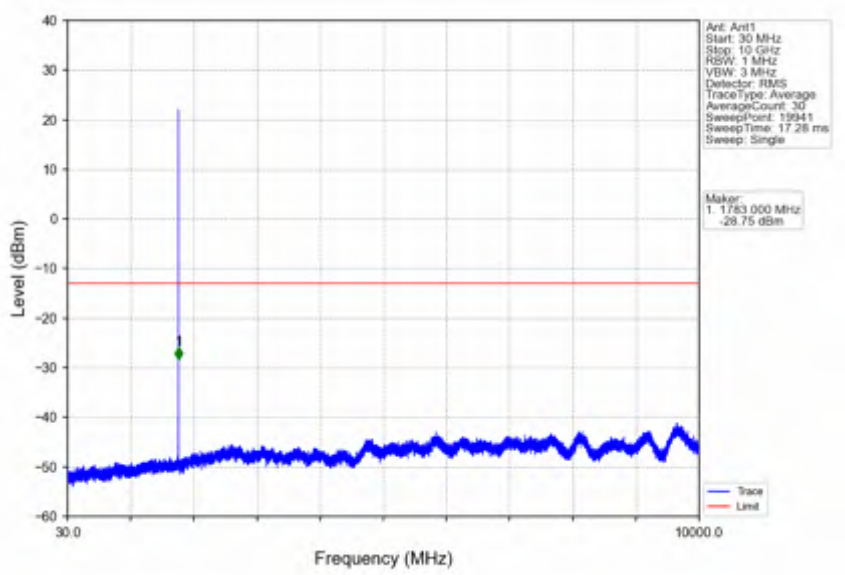
Band66_1.4MHz_QPSK_MCH_1745MHz_RB_1_0_NTNV



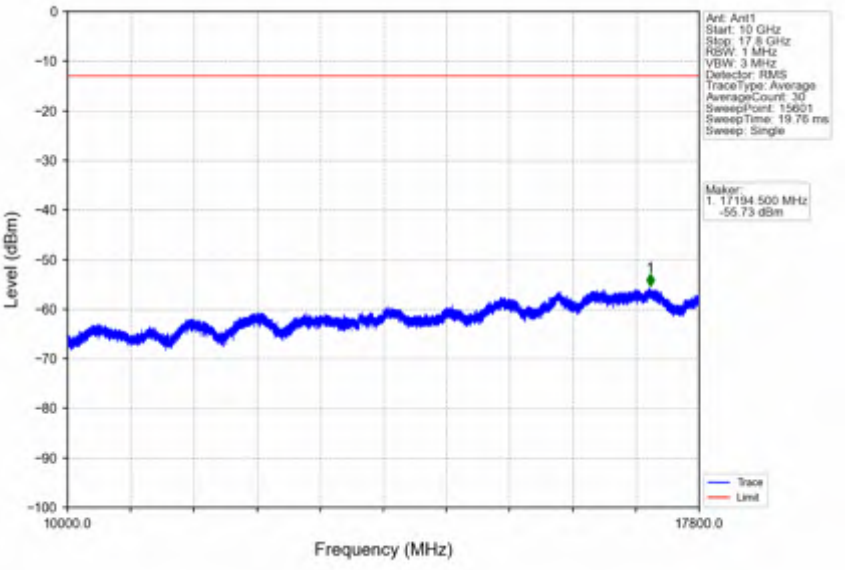

Band66_1.4MHz_QPSK_MCH_1745MHz_RB_1_0_NTNV



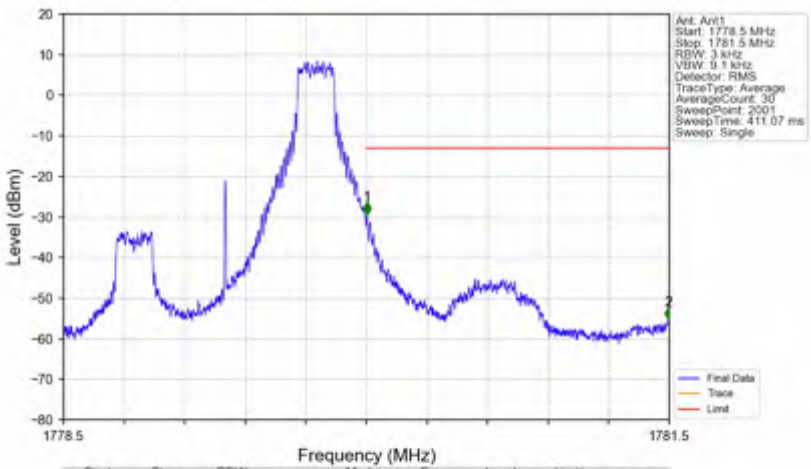
Band66_1.4MHz_QPSK_HCH_1779.3MHz_RB_1_0_NTNV




Band66_1.4MHz_QPSK_HCH_1779.3MHz_RB_1_0_NTNV

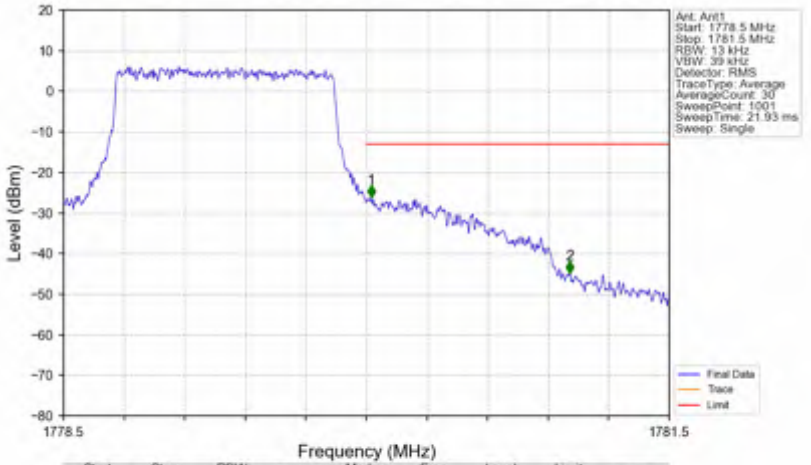


Band66_1.4MHz_QPSK_HCH_1779.3MHz_RB_1_5_NTNV



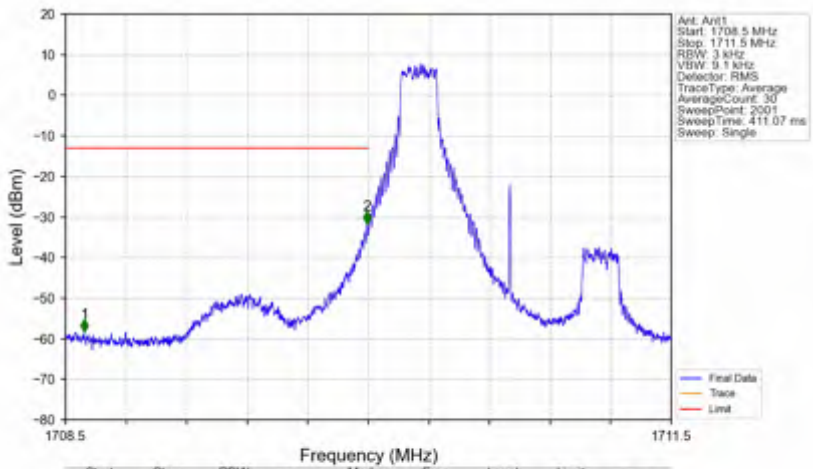

| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1778.5 | 1780 | 0.003 | / | / | / | / | / | / |
| 1780 | 1781 | 0.003 | / | 1 | 1780.003 | -29.33 | -13 | Pass |
| 1781 | 1781.5 | 1 | / | 2 | 1781.495 | -55.31 | -13 | Pass |

Band66_1.4MHz_QPSK_HCH_1779.3MHz_RB_6_0_NTNV



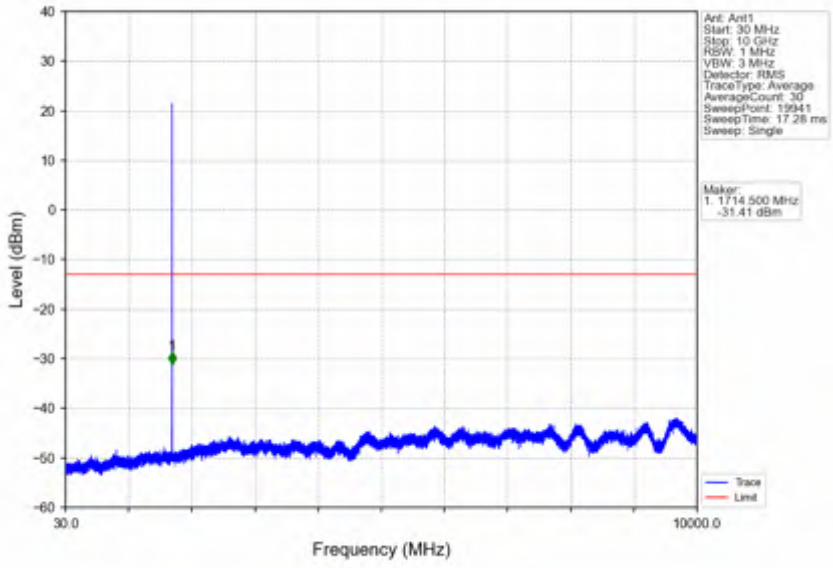

| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1778.5 | 1780 | 0.013 | / | / | / | / | / | / |
| 1780 | 1781 | 0.013 | / | 1 | 1780.024 | -26.28 | -13 | Pass |
| 1781 | 1781.5 | 1 | / | 2 | 1781.008 | -44.87 | -13 | Pass |

Band66_1.4MHz_16QAM_LCH_1710.7MHz_RB_1_0_NTNV

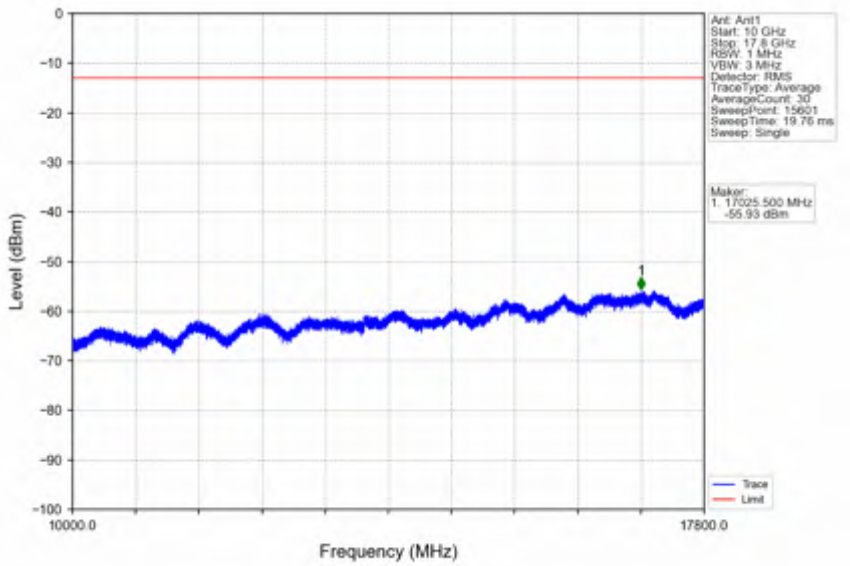



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1708.5 | 1709 | 1 | / | 1 | 1708.593 | -58.26 | -13 | Pass |
| 1709 | 1710 | 0.003 | / | 2 | 1709.994 | -31.68 | -13 | Pass |
| 1710 | 1711.5 | 0.003 | / | / | / | / | / | / |

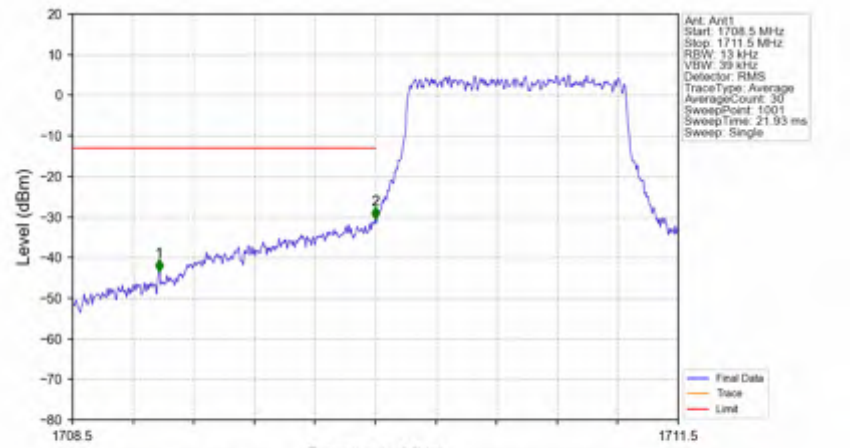
Band66_1.4MHz_16QAM_LCH_1710.7MHz_RB_1_0_NTNV



Band66_1.4MHz_16QAM_LCH_1710.7MHz_RB_1_0_NTNV

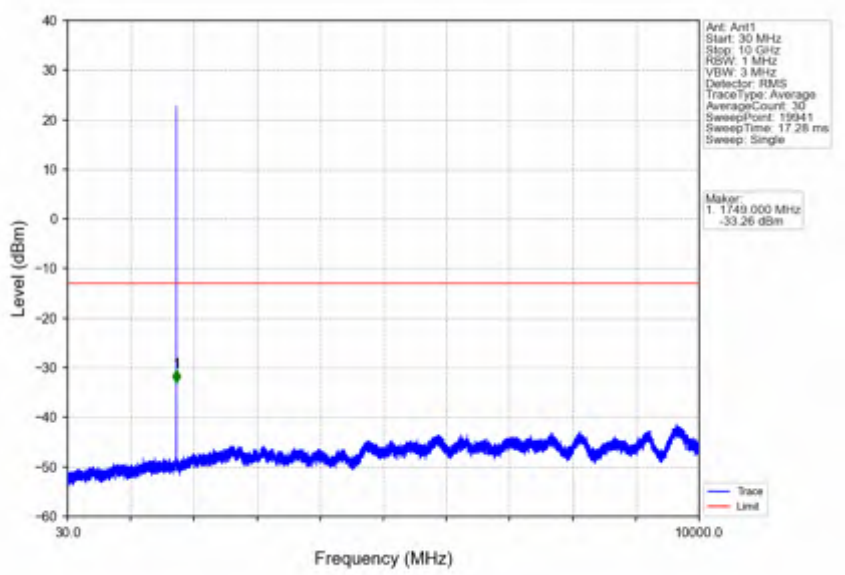



Band66_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV

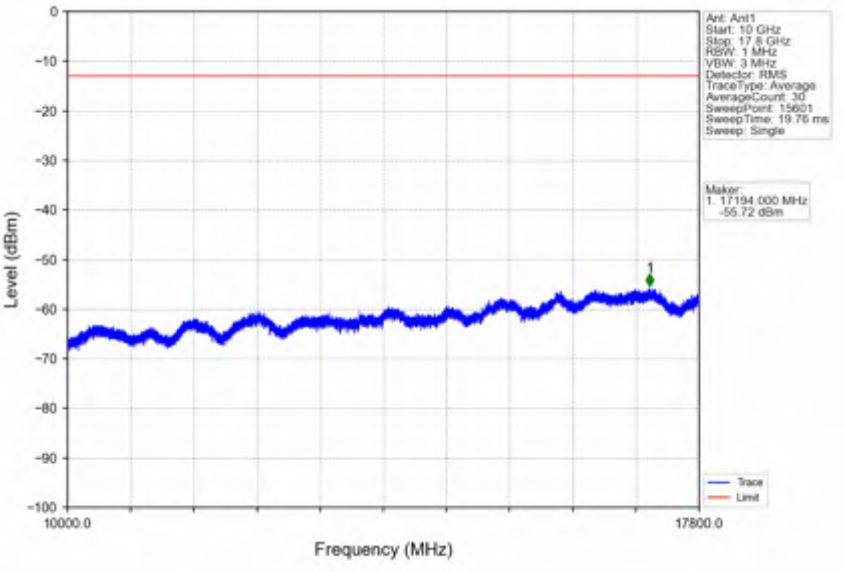



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1708.5 | 1709 | 1 | / | 1 | 1708.929 | -43.40 | -13 | Pass |
| 1709 | 1710 | 0.013 | / | 2 | 1710.000 | -30.53 | -13 | Pass |
| 1710 | 1711.5 | 0.013 | / | / | / | / | / | / |

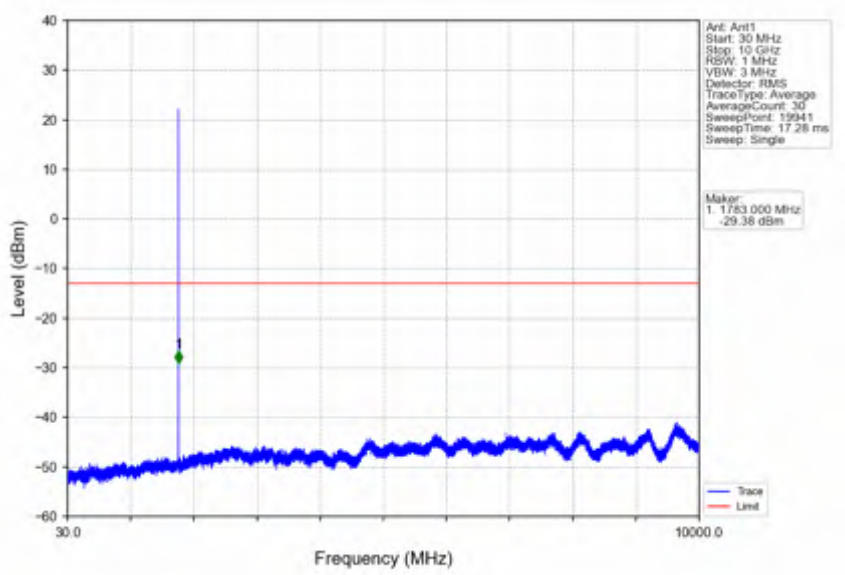
Band66_1.4MHz_16QAM_MCH_1745MHz_RB_1_0_NTNV



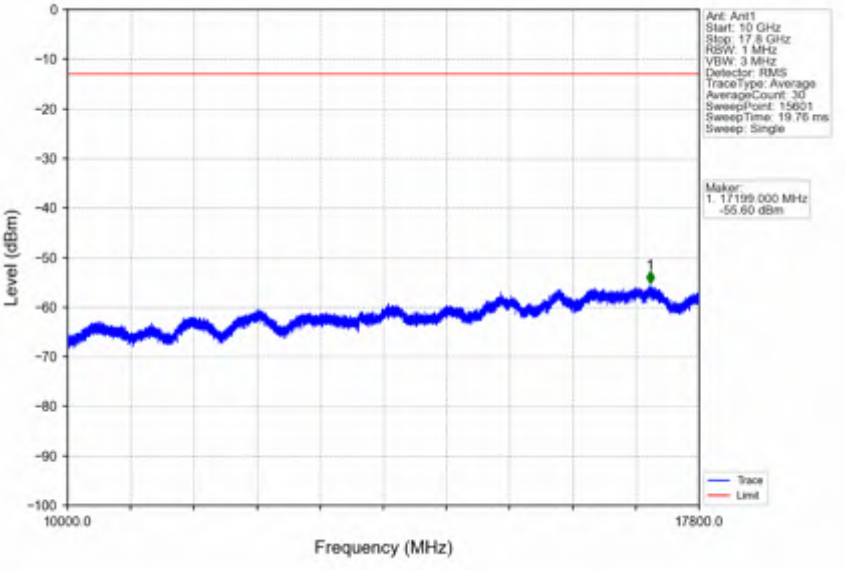

Band66_1.4MHz_16QAM_MCH_1745MHz_RB_1_0_NTNV



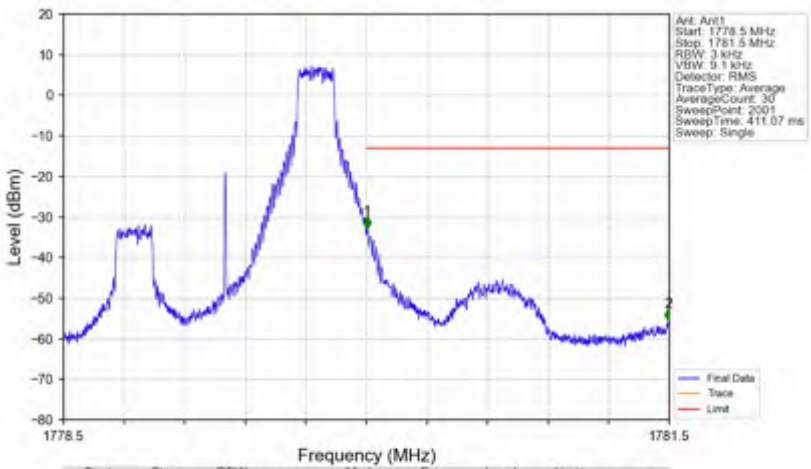
Band66_1.4MHz_16QAM_HCH_1779.3MHz_RB_1_0_NTNV




Band66_1.4MHz_16QAM_HCH_1779.3MHz_RB_1_0_NTNV

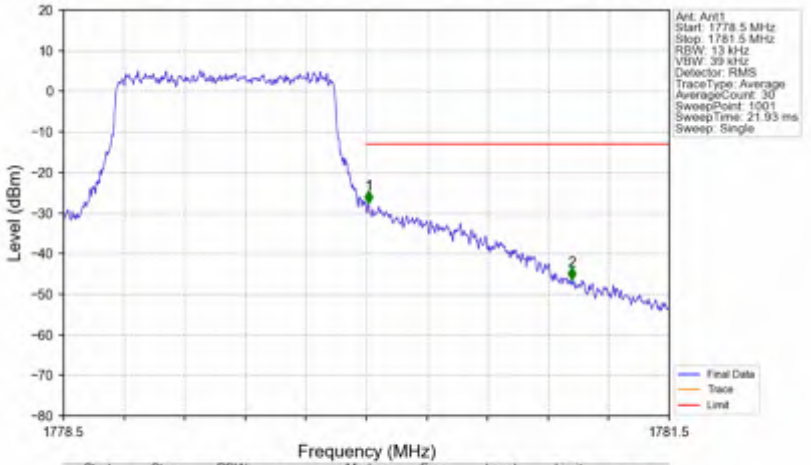


Band66_1.4MHz_16QAM_HCH_1779.3MHz_RB_1_5_NTNV



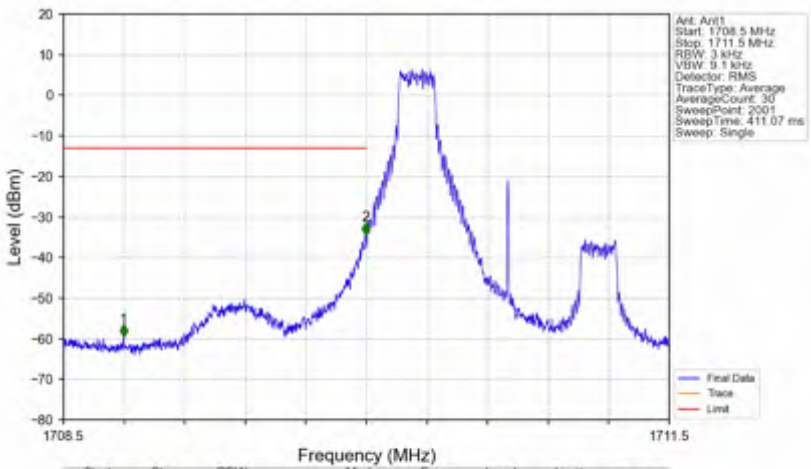

| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1778.5 | 1780 | 0.003 | / | / | / | / | / | / |
| 1780 | 1781 | 0.003 | / | 1 | 1780.003 | -32.95 | -13 | Pass |
| 1781 | 1781.5 | 1 | / | 2 | 1781.495 | -55.62 | -13 | Pass |

Band66_1.4MHz_16QAM_HCH_1779.3MHz_RB_6_0_NTNV



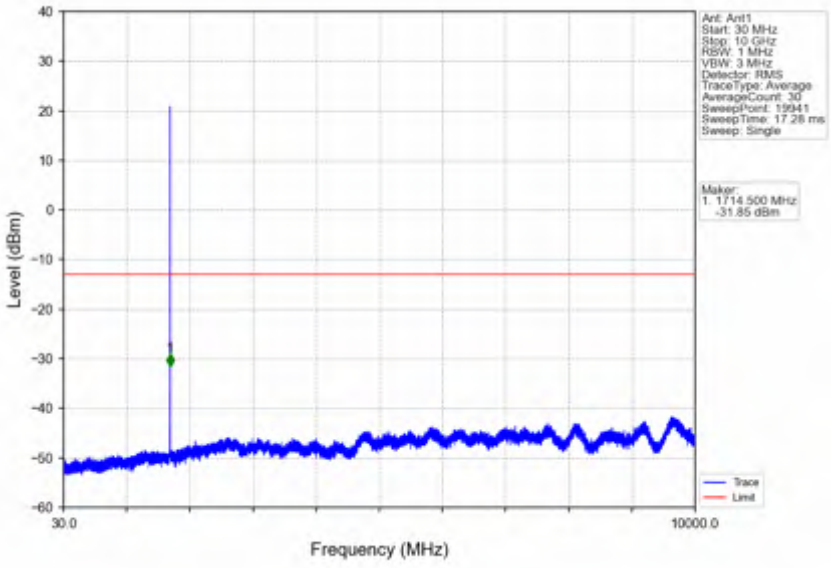

| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1778.5 | 1780 | 0.013 | / | / | / | / | / | / |
| 1780 | 1781 | 0.013 | / | 1 | 1780.012 | -27.57 | -13 | Pass |
| 1781 | 1781.5 | 1 | / | 2 | 1781.017 | -46.52 | -13 | Pass |

Band66_1.4MHz_64QAM_LCH_1710.7MHz_RB_1_0_NTNV

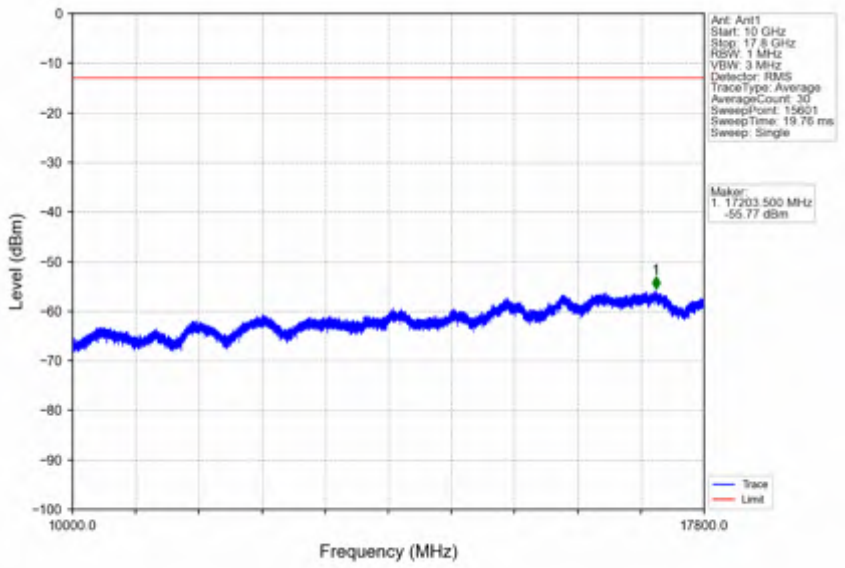



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1708.5 | 1709 | 1 | / | 1 | 1708.797 | -59.55 | -13 | Pass |
| 1709 | 1710 | 0.003 | / | 2 | 1709.997 | -34.43 | -13 | Pass |
| 1710 | 1711.5 | 0.003 | / | / | / | / | / | / |

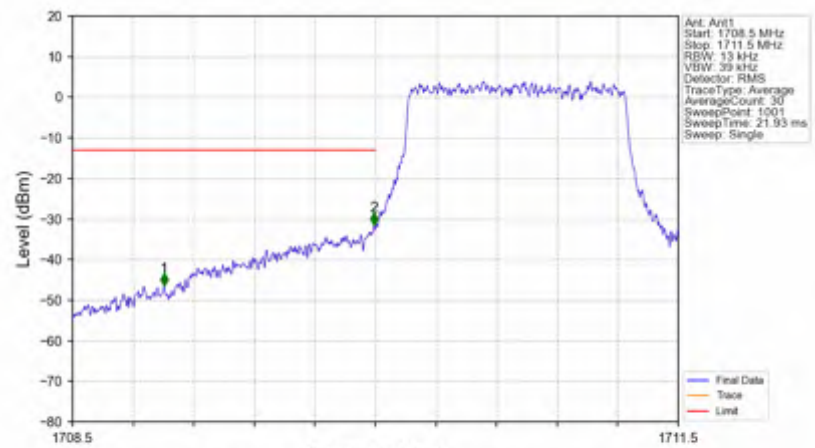
Band66_1.4MHz_64QAM_LCH_1710.7MHz_RB_1_0_NTNV



Band66_1.4MHz_64QAM_LCH_1710.7MHz_RB_1_0_NTNV

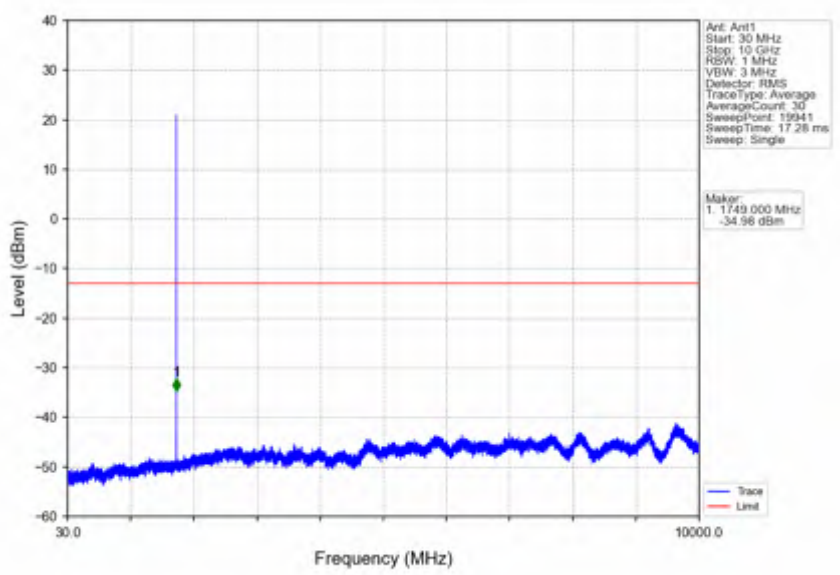



Band66_1.4MHz_64QAM_LCH_1710.7MHz_RB_6_0_NTNV

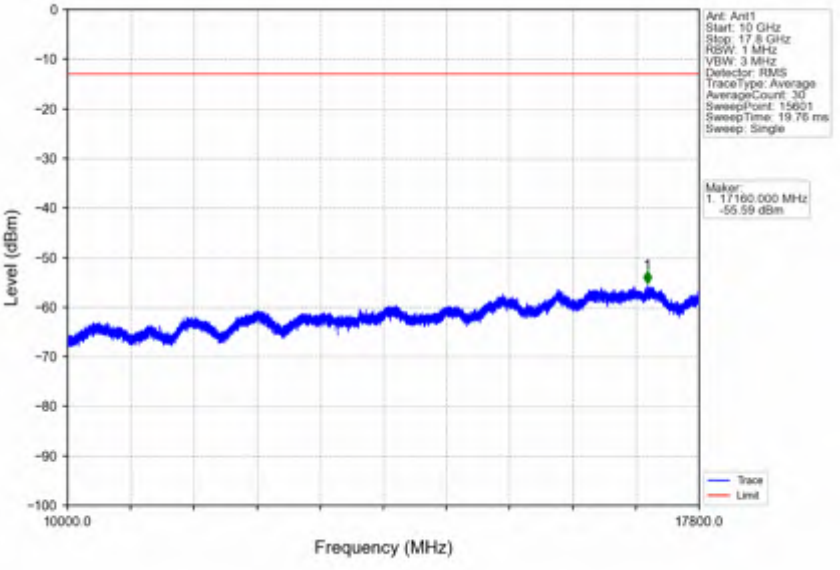



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1708.5 | 1709 | 1 | / | 1 | 1708.953 | -46.46 | -13 | Pass |
| 1709 | 1710 | 0.013 | / | 2 | 1709.994 | -31.51 | -13 | Pass |
| 1710 | 1711.5 | 0.013 | / | / | / | / | / | / |

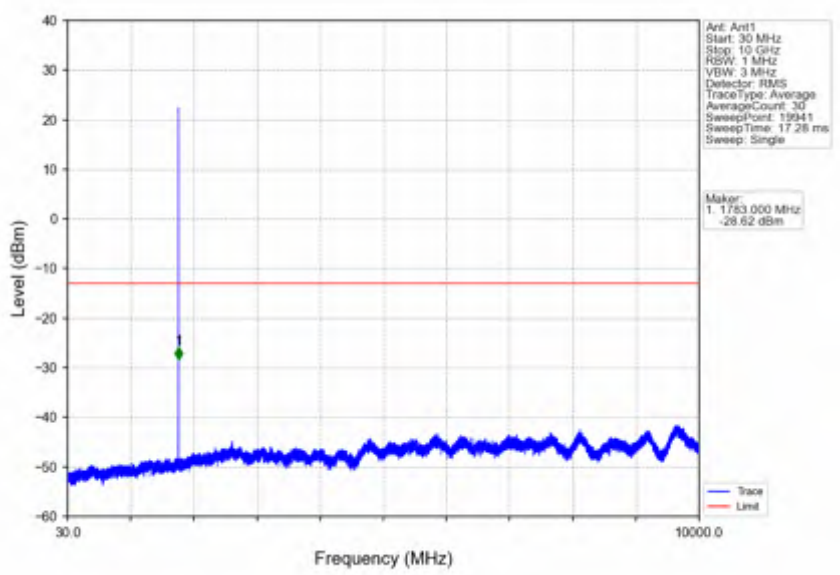
Band66_1.4MHz_64QAM_MCH_1745MHz_RB_1_0_NTNV



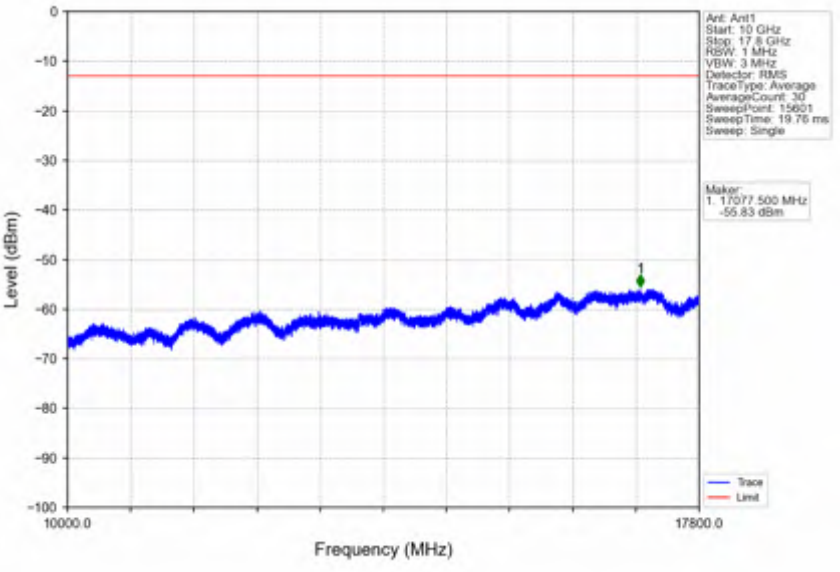

Band66_1.4MHz_64QAM_MCH_1745MHz_RB_1_0_NTNV



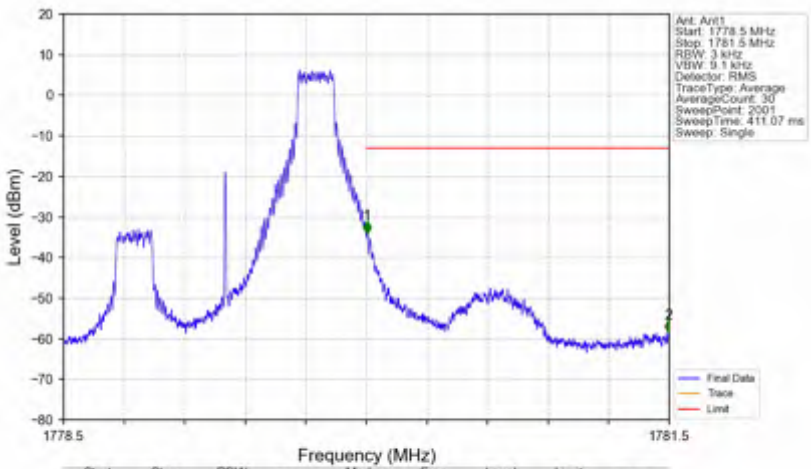
Band66_1.4MHz_64QAM_HCH_1779.3MHz_RB_1_0_NTNV




Band66_1.4MHz_64QAM_HCH_1779.3MHz_RB_1_0_NTNV

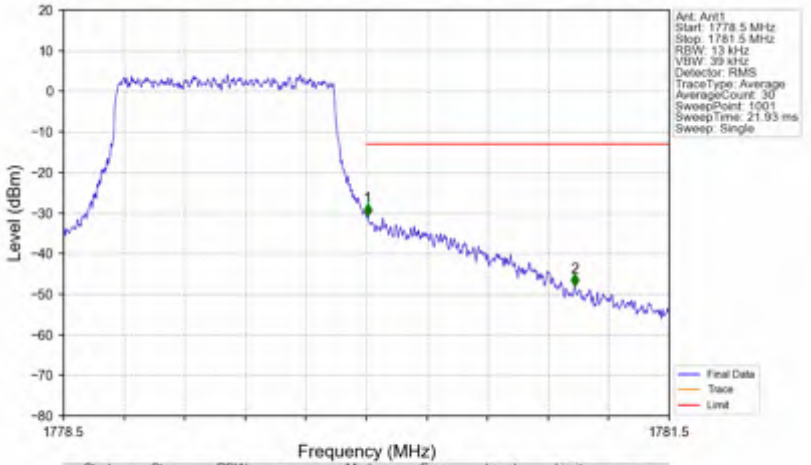


Band66_1.4MHz_64QAM_HCH_1779.3MHz_RB_1_5_NTNV




| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1778.5 | 1780 | 0.003 | / | / | / | / | / | / |
| 1780 | 1781 | 0.003 | / | 1 | 1780.003 | -34.06 | -13 | Pass |
| 1781 | 1781.5 | 1 | / | 2 | 1781.495 | -58.44 | -13 | Pass |

Band66_1.4MHz_64QAM_HCH_1779.3MHz_RB_6_0_NTNV




| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1778.5 | 1780 | 0.013 | / | / | / | / | / | / |
| 1780 | 1781 | 0.013 | / | 1 | 1780.006 | -30.74 | -13 | Pass |
| 1781 | 1781.5 | 1 | / | 2 | 1781.032 | -48.11 | -13 | Pass |

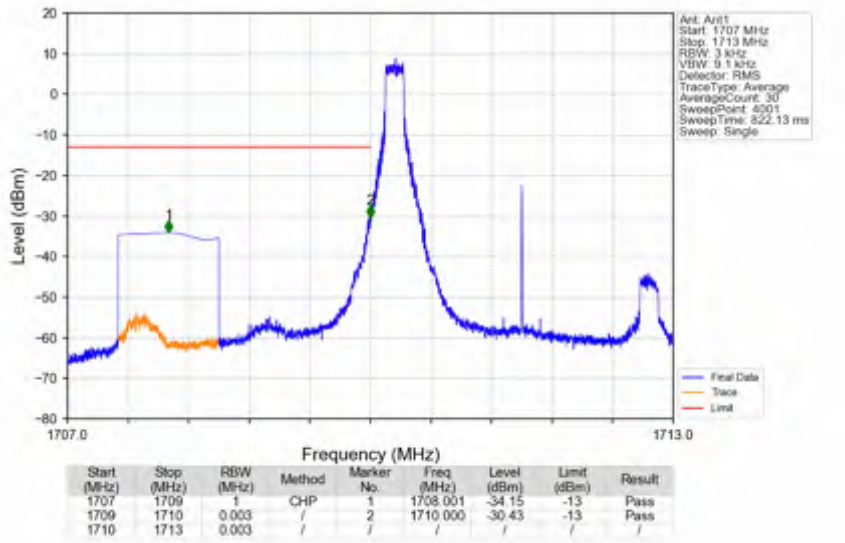
## 5.2 B66_3MHz

### 5.2.1 Test Result

| Band: 66 / Bandwidth: 3MHz / NTNV | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Spurious Emission | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 1711.5 | 1 | 0 | Refer To Test Graph | | Pass |
| | | 15 | 0 | Refer To Test Graph | | Pass |
| | 1745 | 1 | 0 | Refer To Test Graph | | Pass |
| | 1778.5 | 1 | 0 | Refer To Test Graph | | Pass |
| | | | 14 | Refer To Test Graph | | Pass |
| | | 15 | 0 | Refer To Test Graph | | Pass |
| 16QAM | 1711.5 | 1 | 0 | Refer To Test Graph | | Pass |
| | | 15 | 0 | Refer To Test Graph | | Pass |
| | 1745 | 1 | 0 | Refer To Test Graph | | Pass |
| | 1778.5 | 1 | 0 | Refer To Test Graph | | Pass |
| | | | 14 | Refer To Test Graph | | Pass |
| | | 15 | 0 | Refer To Test Graph | | Pass |
| 64QAM | 1711.5 | 1 | 0 | Refer To Test Graph | | Pass |
| | | 15 | 0 | Refer To Test Graph | | Pass |
| | 1745 | 1 | 0 | Refer To Test Graph | | Pass |
| | 1778.5 | 1 | 0 | Refer To Test Graph | | Pass |
| | | | 14 | Refer To Test Graph | | Pass |
| | | 15 | 0 | Refer To Test Graph | | Pass |

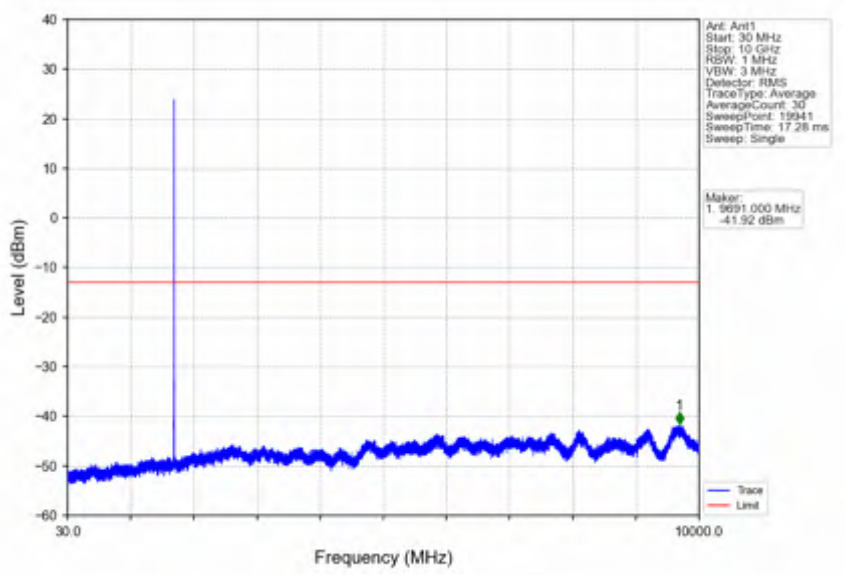
5.2.2 Test Graph

Band66_3MHz_QPSK_LCH_1711.5MHz_RB_1_0_NTNV

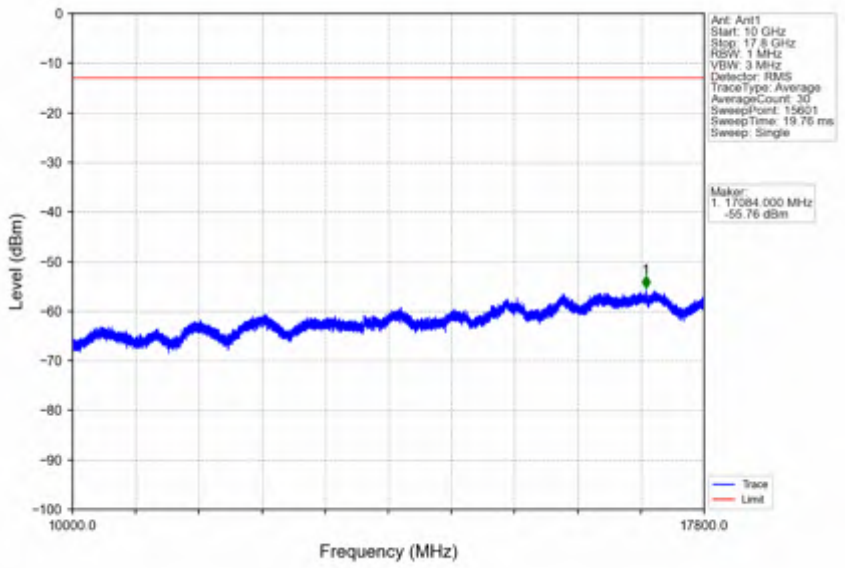



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1707 | 1709 | 1 | CHP | 1 | 1708.001 | -34.15 | -13 | Pass |
| 1709 | 1710 | 0.003 | / | 2 | 1710.000 | -30.43 | -13 | Pass |
| 1710 | 1713 | 0.003 | / | / | / | / | / | / |

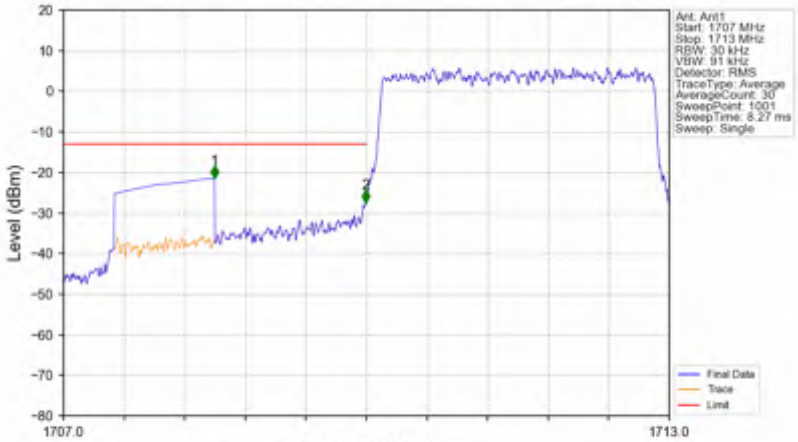
Band66_3MHz_QPSK_LCH_1711.5MHz_RB_1_0_NTNV



Band66_3MHz_QPSK_LCH_1711.5MHz_RB_1_0_NTNV

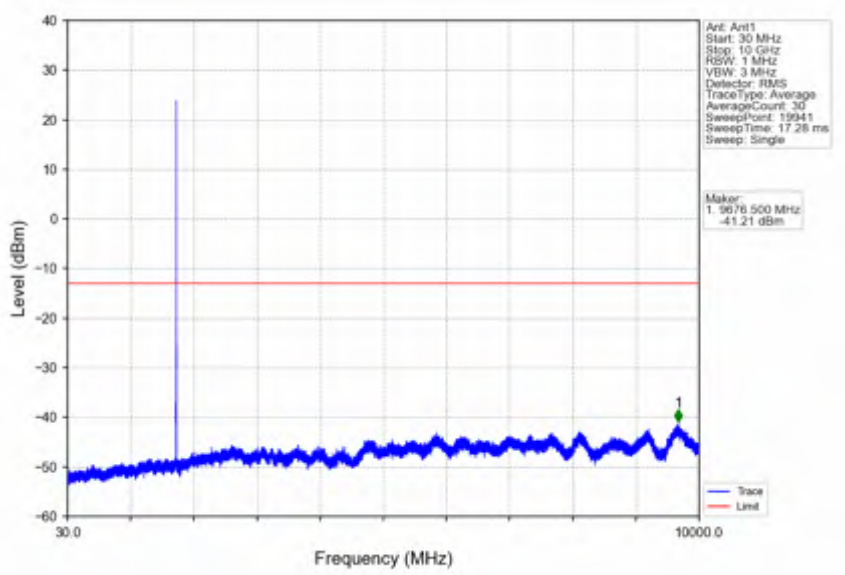



Band66_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV

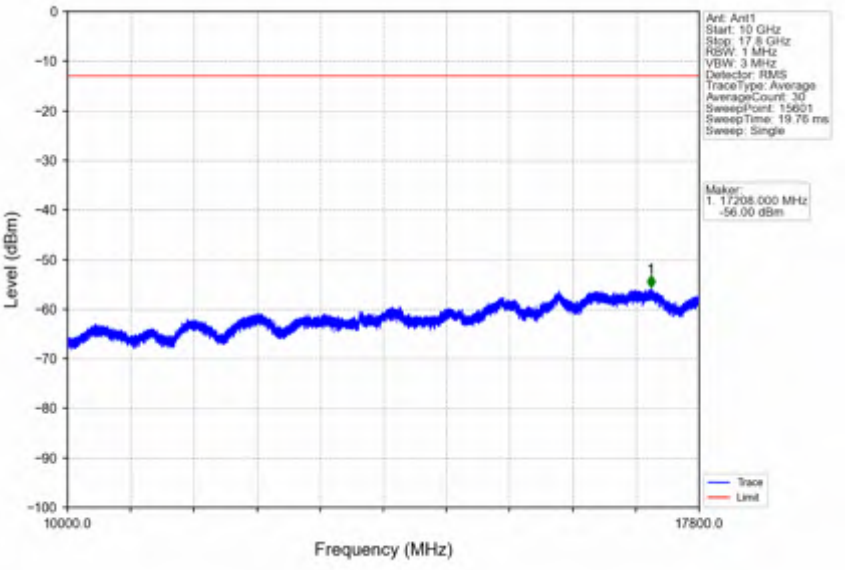



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1707 | 1709 | 1 | CHP | 1 | 1708.494 | -21.46 | -13 | Pass |
| 1709 | 1710 | 0.03 | / | 2 | 1709.994 | -27.49 | -13 | Pass |
| 1710 | 1713 | 0.03 | / | / | / | / | / | / |

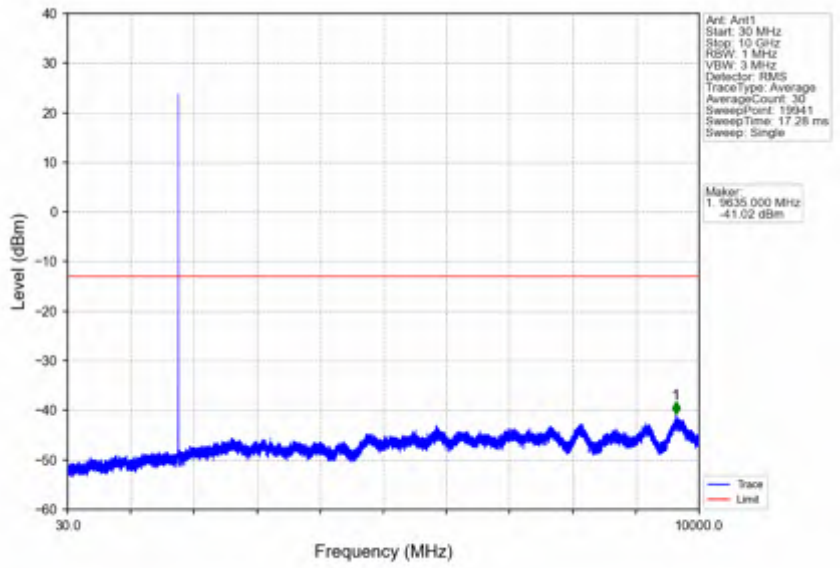
Band66_3MHz_QPSK_MCH_1745MHz_RB_1_0_NTNV



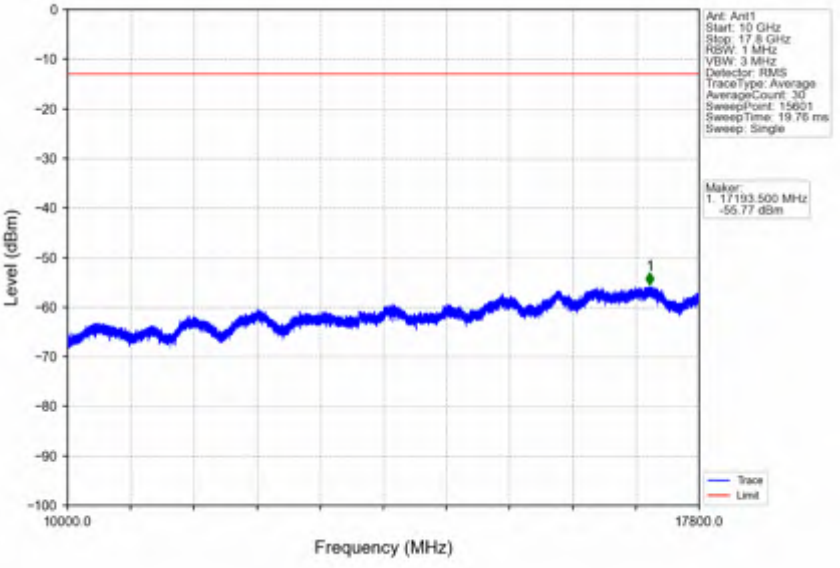

Band66_3MHz_QPSK_MCH_1745MHz_RB_1_0_NTNV



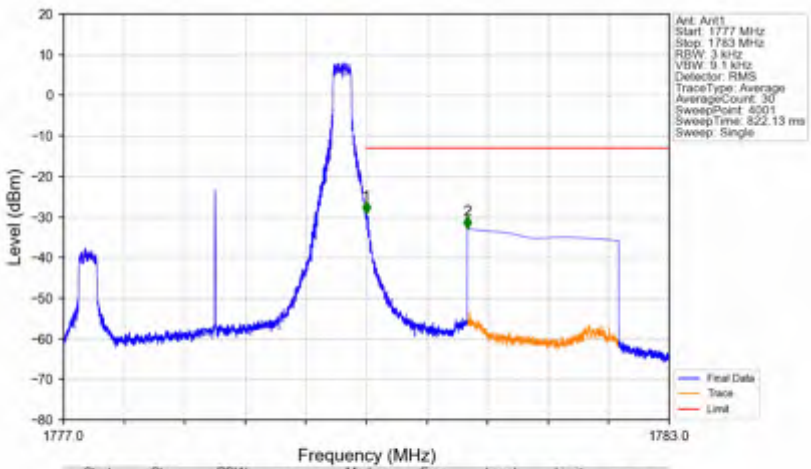
Band66_3MHz_QPSK_HCH_1778.5MHz_RB_1_0_NTNV




Band66_3MHz_QPSK_HCH_1778.5MHz_RB_1_0_NTNV

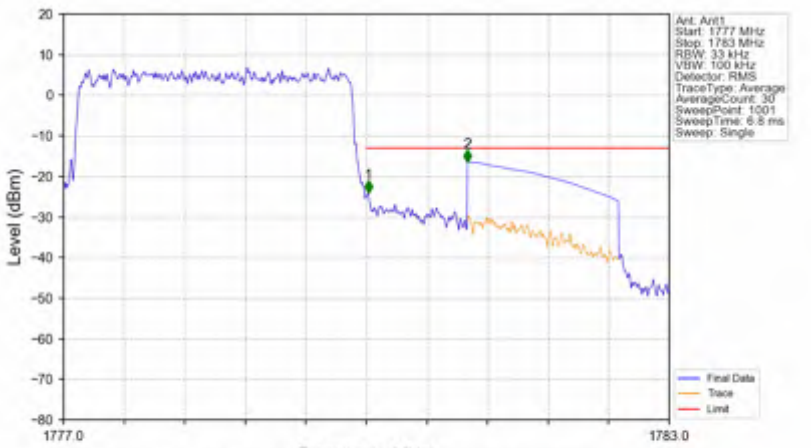


Band66_3MHz_QPSK_HCH_1778.5MHz_RB_1_14_NTNV



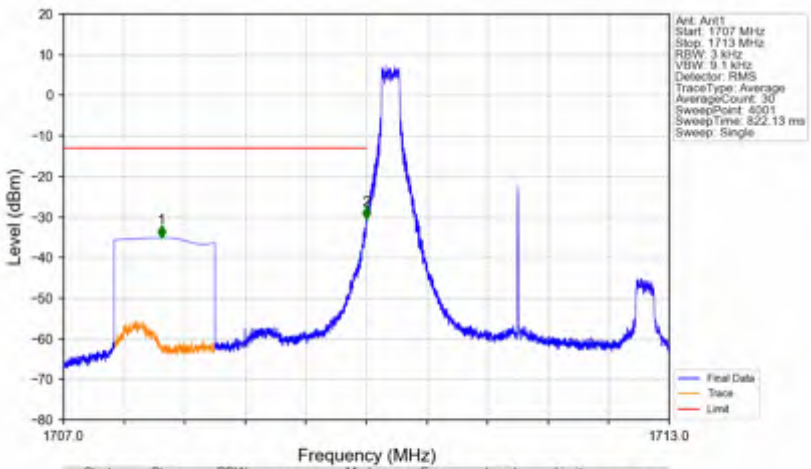

| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1777 | 1780 | 0.003 | / | / | / | / | / | / |
| 1780 | 1781 | 0.003 | / | 1 | 1780.000 | -29.26 | -13 | Pass |
| 1781 | 1783 | 1 | CHP | 2 | 1781.001 | -32.98 | -13 | Pass |

Band66_3MHz_QPSK_HCH_1778.5MHz_RB_15_0_NTNV



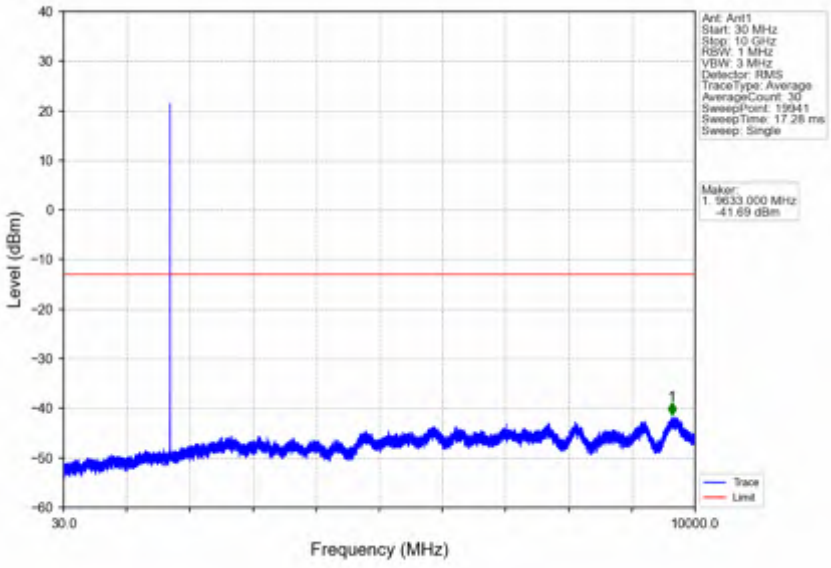

| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1777 | 1780 | 0.033 | / | / | / | / | / | / |
| 1780 | 1781 | 0.033 | / | 1 | 1780.018 | -24.03 | -13 | Pass |
| 1781 | 1783 | 1 | CHP | 2 | 1781.002 | -16.44 | -13 | Pass |

Band66_3MHz_16QAM_LCH_1711.5MHz_RB_1_0_NTNV

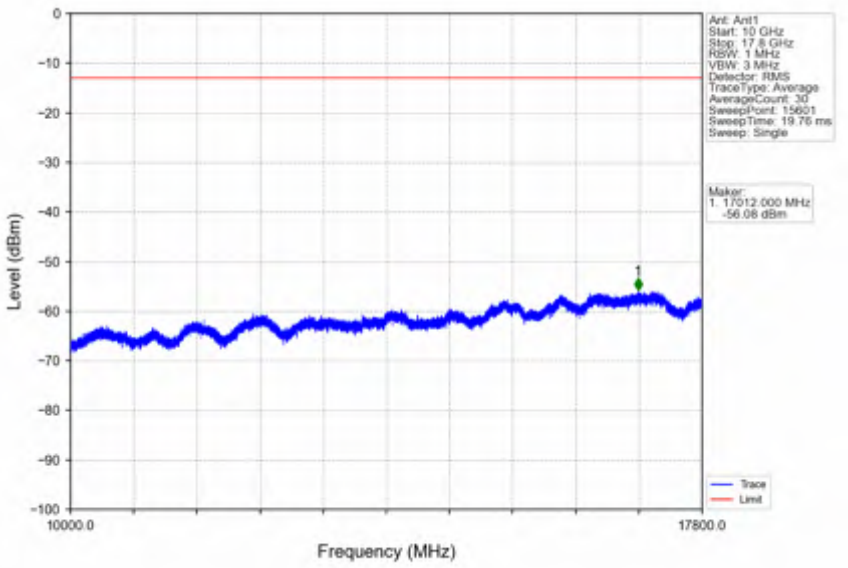



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1707 | 1709 | 1 | CHP | 1 | 1707.970 | -35.14 | -13 | Pass |
| 1709 | 1710 | 0.003 | / | 2 | 1710.000 | -30.57 | -13 | Pass |
| 1710 | 1713 | 0.003 | / | / | / | / | / | / |

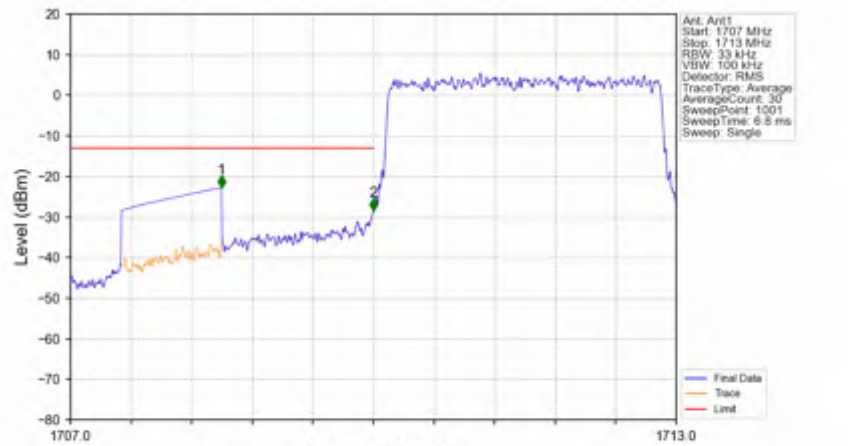
Band66_3MHz_16QAM_LCH_1711.5MHz_RB_1_0_NTNV



Band66_3MHz_16QAM_LCH_1711.5MHz_RB_1_0_NTNV

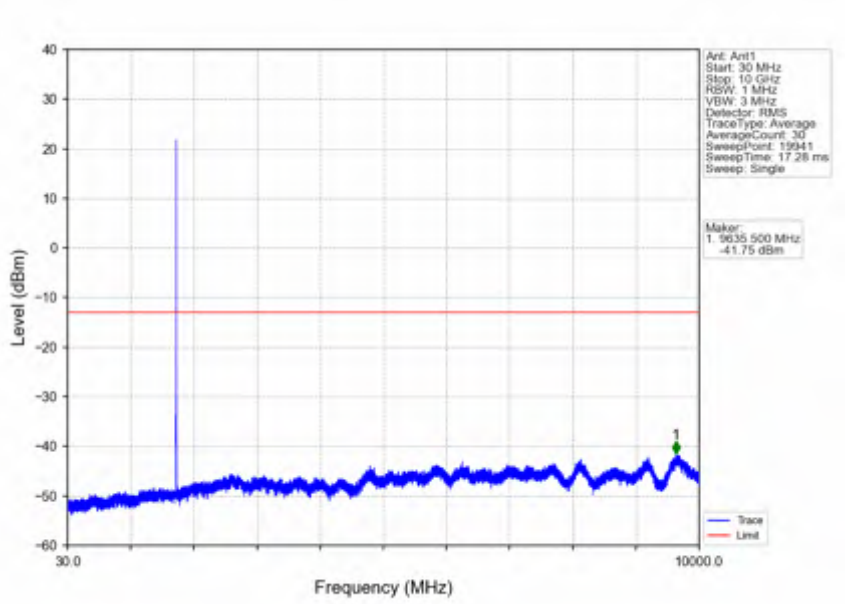



Band66_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV

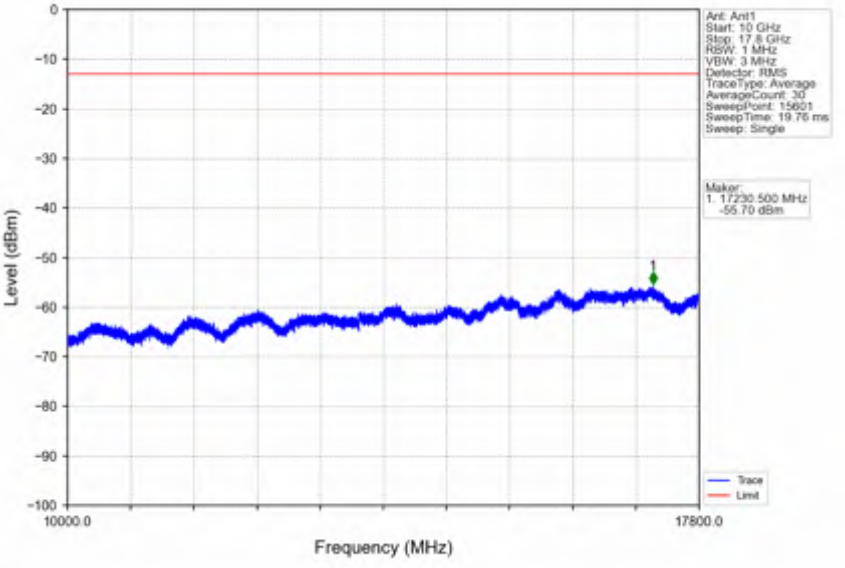



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1707 | 1709 | 1 | CHP | 1 | 1708.494 | -22.78 | -13 | Pass |
| 1709 | 1710 | 0.033 | / | 2 | 1710.000 | -28.44 | -13 | Pass |
| 1710 | 1713 | 0.033 | / | / | / | / | / | / |

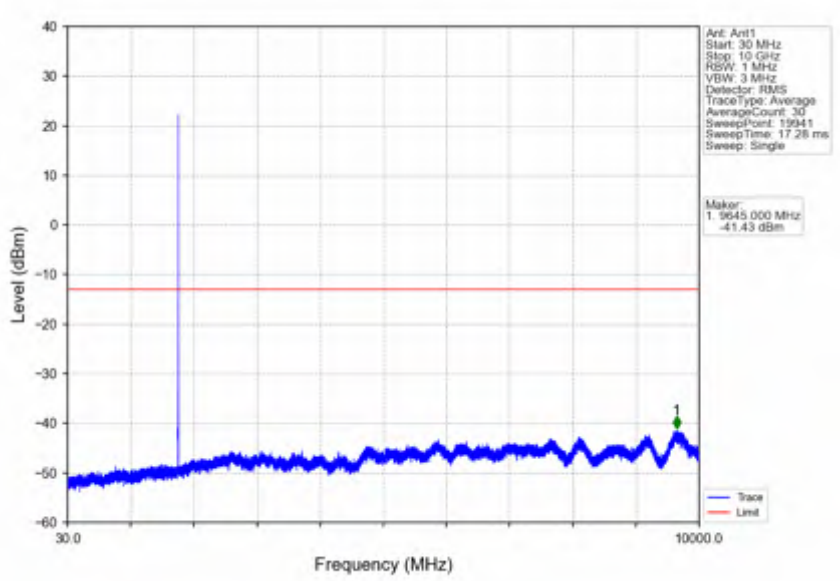
Band66_3MHz_16QAM_MCH_1745MHz_RB_1_0_NTNV



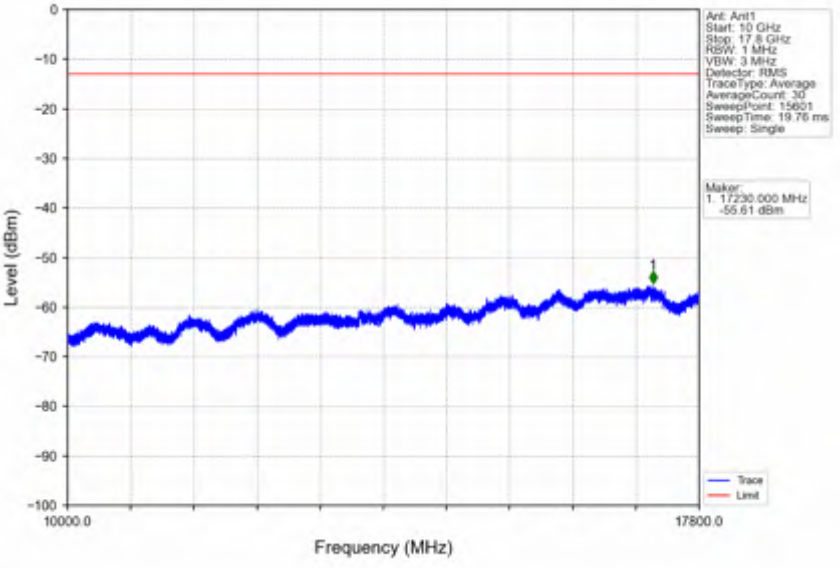

Band66_3MHz_16QAM_MCH_1745MHz_RB_1_0_NTNV



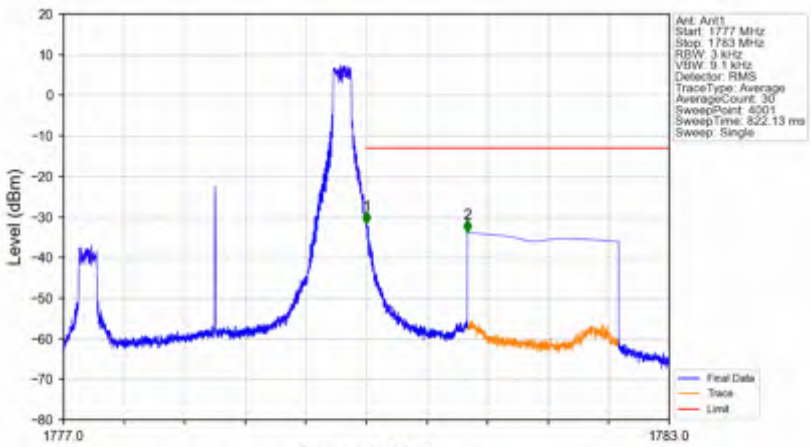
Band66_3MHz_16QAM_HCH_1778.5MHz_RB_1_0_NTNV




Band66_3MHz_16QAM_HCH_1778.5MHz_RB_1_0_NTNV

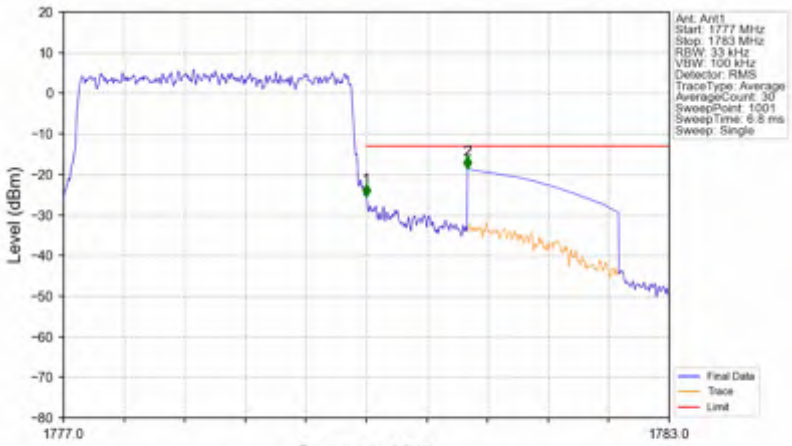


Band66_3MHz_16QAM_HCH_1778.5MHz_RB_1_14_NTNV



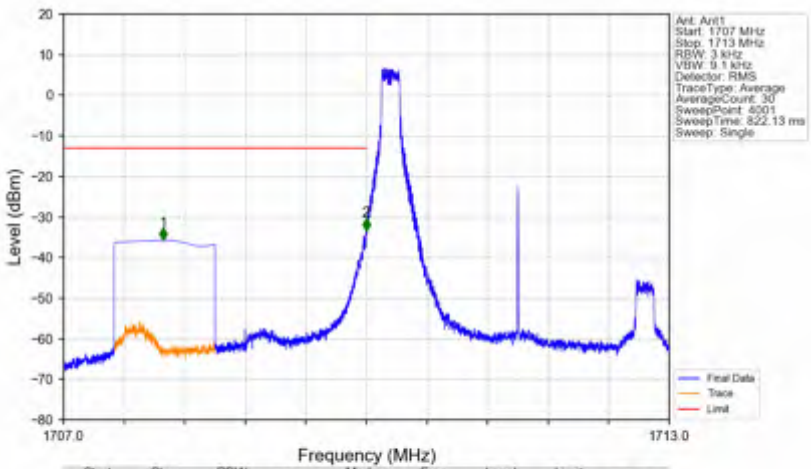

| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1777 | 1780 | 0.003 | / | / | / | / | / | / |
| 1780 | 1781 | 0.003 | / | 1 | 1780.003 | -31.65 | -13 | Pass |
| 1781 | 1783 | 1 | CHP | 2 | 1781.001 | -33.82 | -13 | Pass |

Band66_3MHz_16QAM_HCH_1778.5MHz_RB_15_0_NTNV



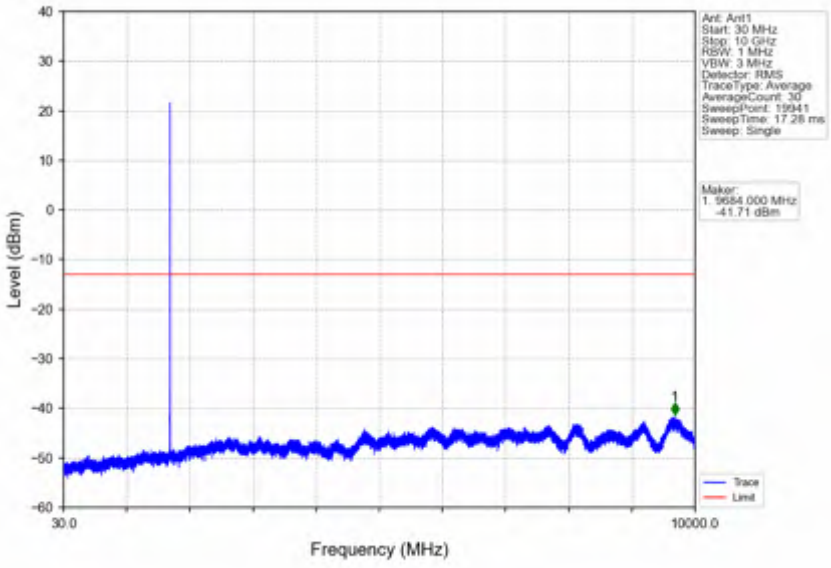

| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1777 | 1780 | 0.033 | / | / | / | / | / | / |
| 1780 | 1781 | 0.033 | / | 1 | 1780.000 | -25.53 | -13 | Pass |
| 1781 | 1783 | 1 | CHP | 2 | 1781.002 | -18.66 | -13 | Pass |

Band66_3MHz_64QAM_LCH_1711.5MHz_RB_1_0_NTNV

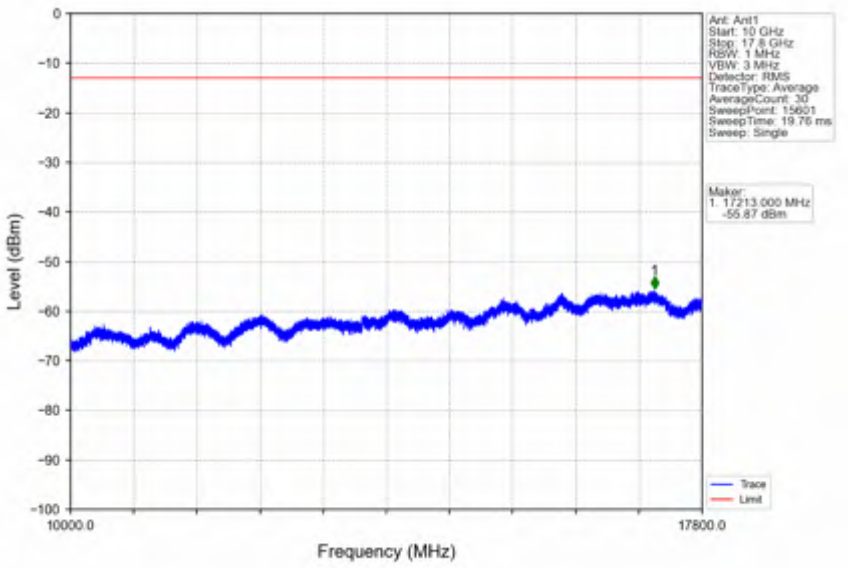



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1707 | 1709 | 1 | CHP | 1 | 1707.987 | -35.73 | -13 | Pass |
| 1709 | 1710 | 0.003 | / | 2 | 1709.997 | -33.36 | -13 | Pass |
| 1710 | 1713 | 0.003 | / | / | / | / | / | / |

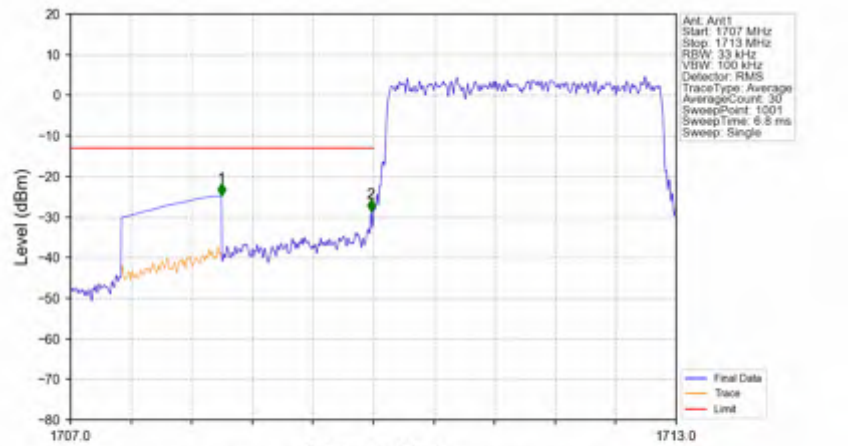
Band66_3MHz_64QAM_LCH_1711.5MHz_RB_1_0_NTNV



Band66_3MHz_64QAM_LCH_1711.5MHz_RB_1_0_NTNV

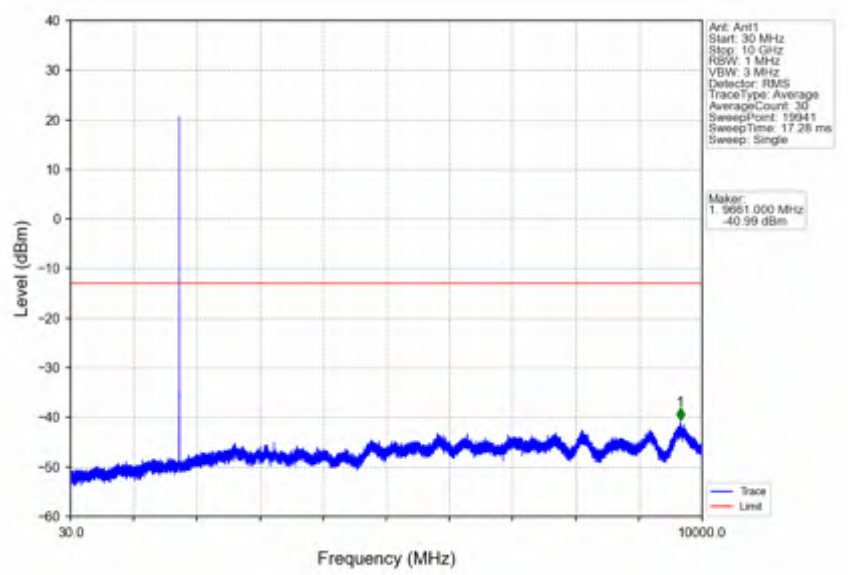



Band66_3MHz_64QAM_LCH_1711.5MHz_RB_15_0_NTNV

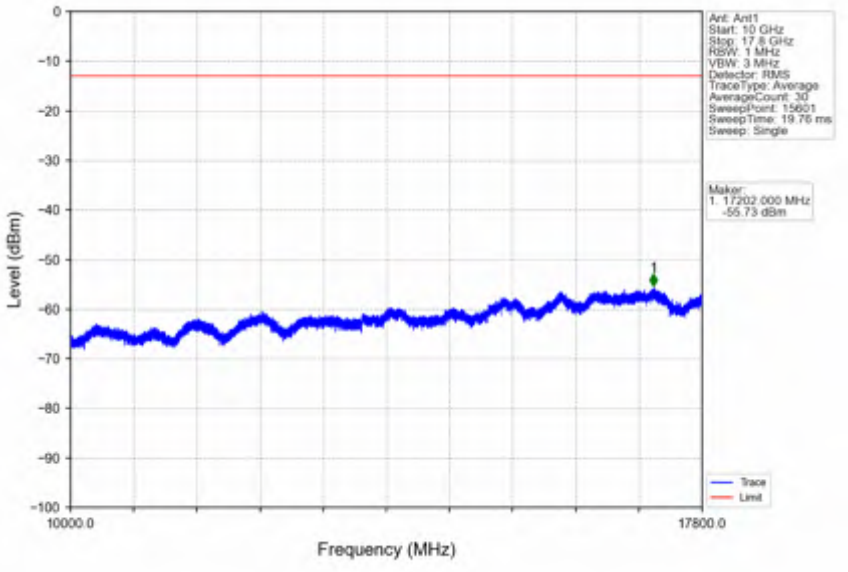



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1707 | 1709 | 1 | CHP | 1 | 1708.494 | -24.78 | -13 | Pass |
| 1709 | 1710 | 0.033 | / | 2 | 1709.976 | -28.65 | -13 | Pass |
| 1710 | 1713 | 0.033 | / | / | / | / | / | / |

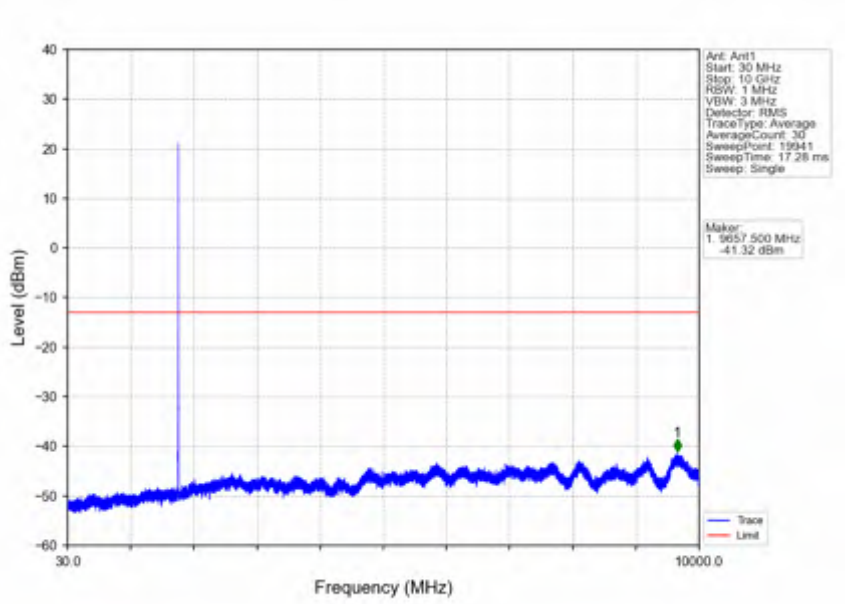
Band66_3MHz_64QAM_MCH_1745MHz_RB_1_0_NTNV



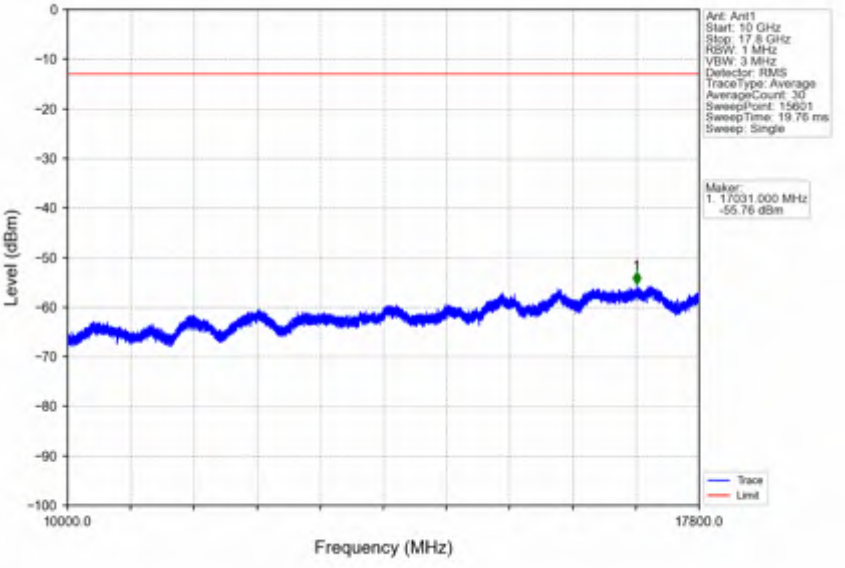

Band66_3MHz_64QAM_MCH_1745MHz_RB_1_0_NTNV



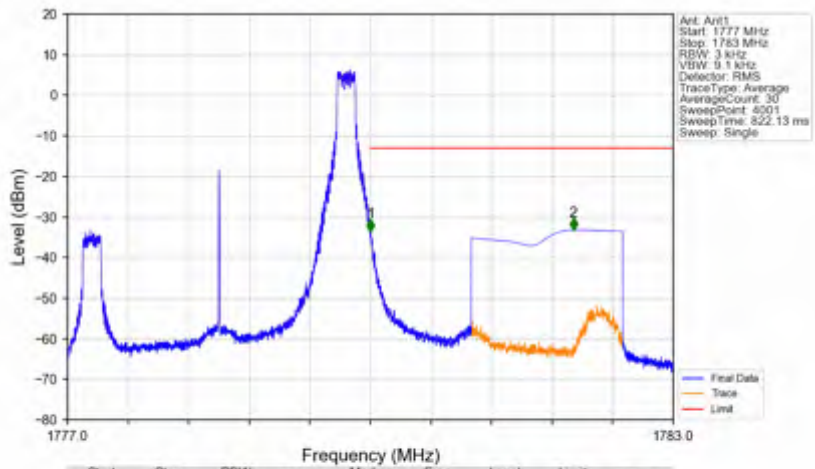
Band66_3MHz_64QAM_HCH_1778.5MHz_RB_1_0_NTNV




Band66_3MHz_64QAM_HCH_1778.5MHz_RB_1_0_NTNV

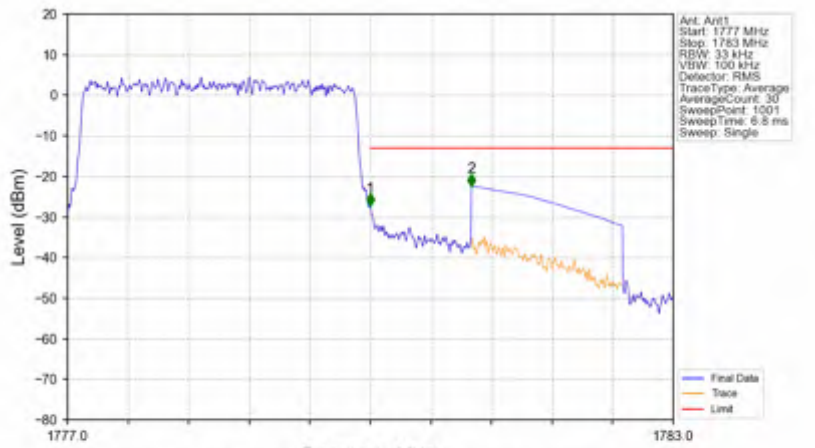


Band66_3MHz_64QAM_HCH_1778.5MHz_RB_1_14_NTNV




| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1777 | 1780 | 0.003 | / | / | / | / | / | / |
| 1780 | 1781 | 0.003 | / | 1 | 1780.003 | -33.54 | -13 | Pass |
| 1781 | 1783 | 1 | CHP | 2 | 1782.012 | -33.21 | -13 | Pass |

Band66_3MHz_64QAM_HCH_1778.5MHz_RB_15_0_NTNV




| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1777 | 1780 | 0.033 | / | / | / | / | / | / |
| 1780 | 1781 | 0.033 | / | 1 | 1780.000 | -27.26 | -13 | Pass |
| 1781 | 1783 | 1 | CHP | 2 | 1781.002 | -22.44 | -13 | Pass |

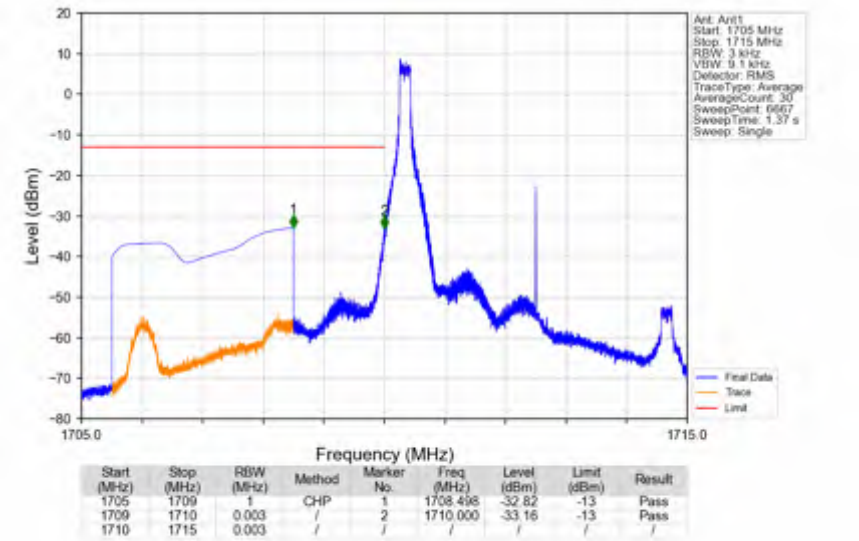
## 5.3 B66_5MHz

### 5.3.1 Test Result

| Band: 66 / Bandwidth: 5MHz / NTNV | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Spurious Emission | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 1712.5 | 1 | 0 | Refer To Test Graph | | Pass |
| | | 25 | 0 | Refer To Test Graph | | Pass |
| | 1745 | 1 | 0 | Refer To Test Graph | | Pass |
| | 1777.5 | 1 | 0 | Refer To Test Graph | | Pass |
| | | | 24 | Refer To Test Graph | | Pass |
| | | 25 | 0 | Refer To Test Graph | | Pass |
| 16QAM | 1712.5 | 1 | 0 | Refer To Test Graph | | Pass |
| | | 25 | 0 | Refer To Test Graph | | Pass |
| | 1745 | 1 | 0 | Refer To Test Graph | | Pass |
| | 1777.5 | 1 | 0 | Refer To Test Graph | | Pass |
| | | | 24 | Refer To Test Graph | | Pass |
| | | 25 | 0 | Refer To Test Graph | | Pass |
| 64QAM | 1712.5 | 1 | 0 | Refer To Test Graph | | Pass |
| | | 25 | 0 | Refer To Test Graph | | Pass |
| | 1745 | 1 | 0 | Refer To Test Graph | | Pass |
| | 1777.5 | 1 | 0 | Refer To Test Graph | | Pass |
| | | | 24 | Refer To Test Graph | | Pass |
| | | 25 | 0 | Refer To Test Graph | | Pass |

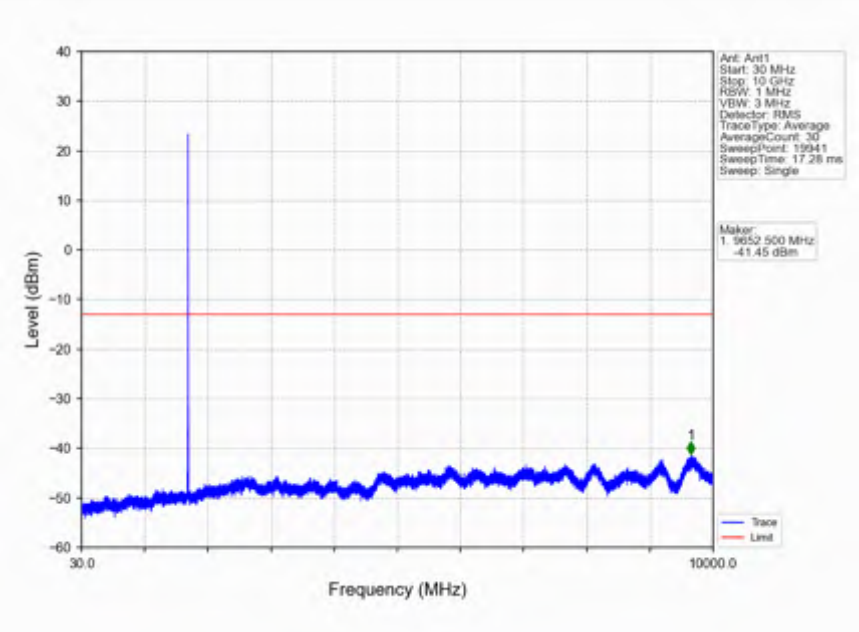
5.3.2 Test Graph

Band66_5MHz_QPSK_LCH_1712.5MHz_RB_1_0_NTNV

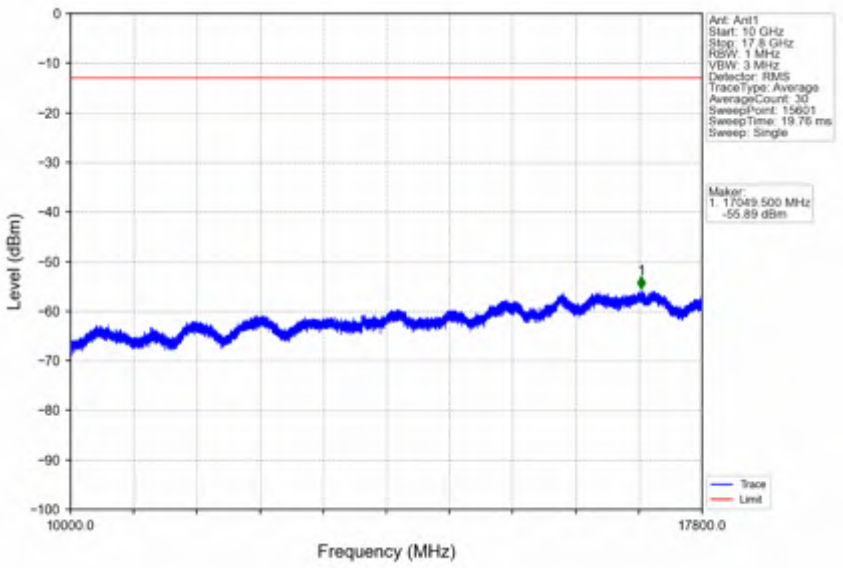



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1705 | 1709 | 1 | CHP | 1 | 1708.498 | -32.82 | -13 | Pass |
| 1709 | 1710 | 0.003 | / | 2 | 1710.000 | -33.16 | -13 | Pass |
| 1710 | 1715 | 0.003 | / | / | / | / | / | / |

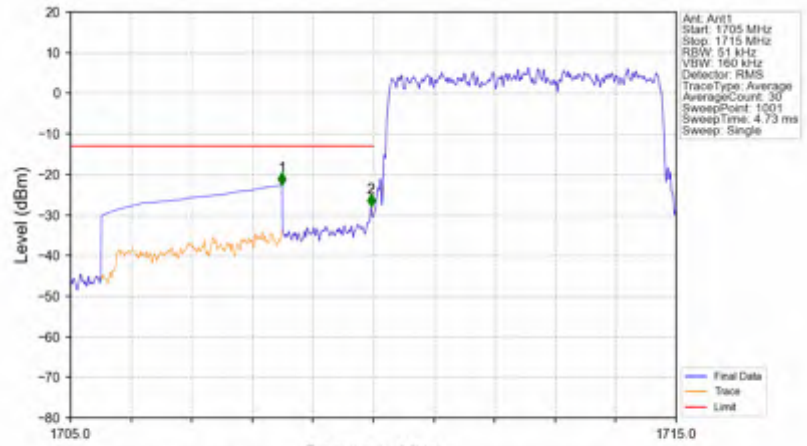
Band66_5MHz_QPSK_LCH_1712.5MHz_RB_1_0_NTNV



Band66_5MHz_QPSK_LCH_1712.5MHz_RB_1_0_NTNV

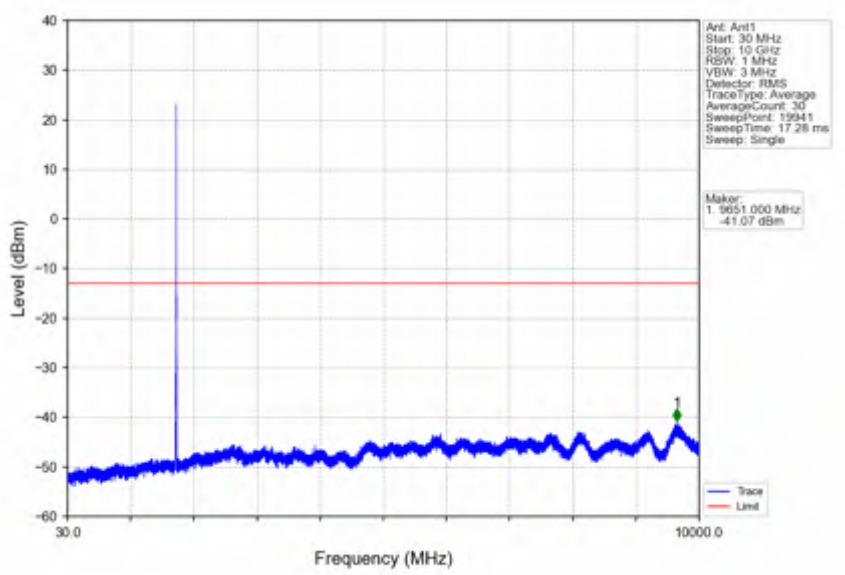



Band66_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV

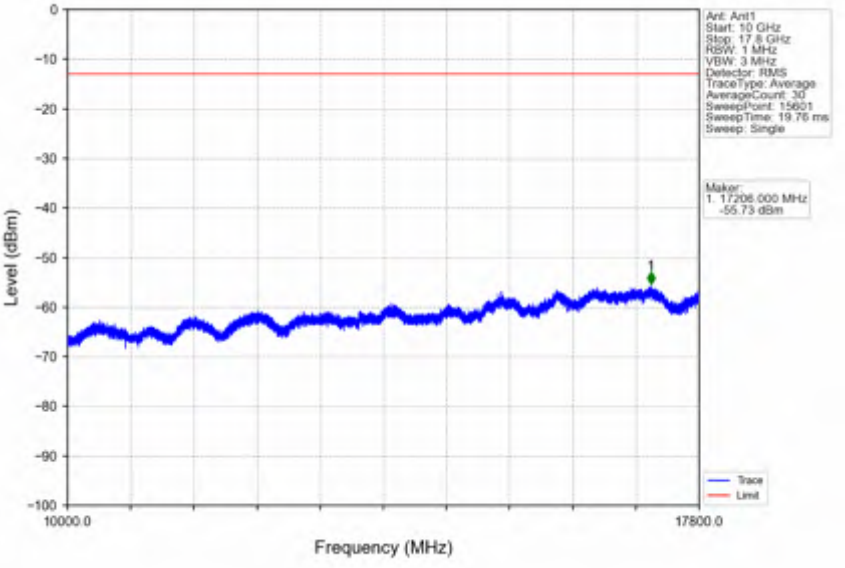



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1705 | 1709 | 1 | CHP | 1 | 1708.490 | -22.69 | -13 | Pass |
| 1709 | 1710 | 0.051 | / | 2 | 1709.960 | -28.02 | -13 | Pass |
| 1710 | 1715 | 0.051 | / | / | / | / | / | / |

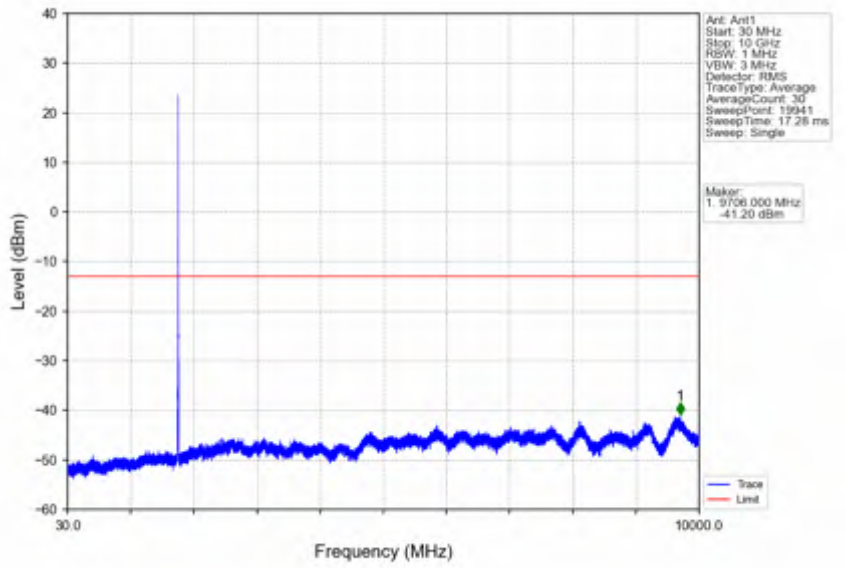
Band66_5MHz_QPSK_MCH_1745MHz_RB_1_0_NTNV



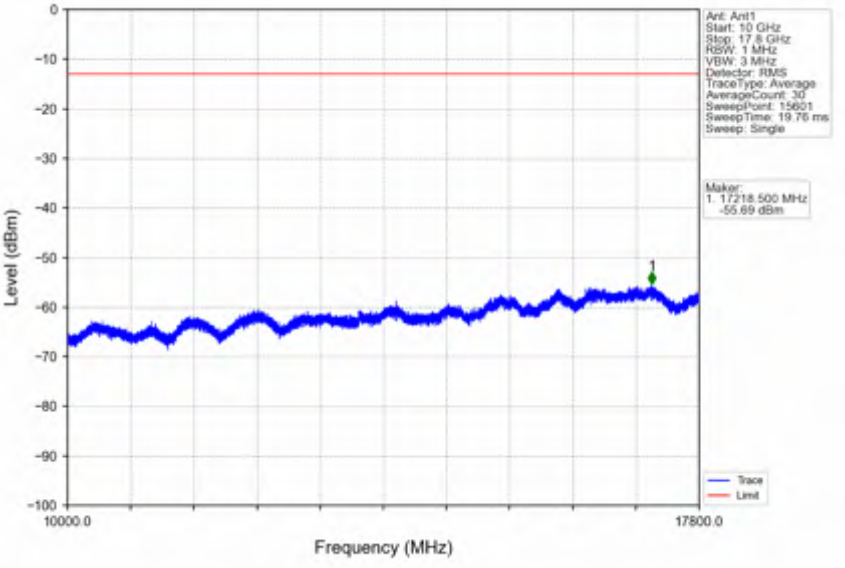

Band66_5MHz_QPSK_MCH_1745MHz_RB_1_0_NTNV



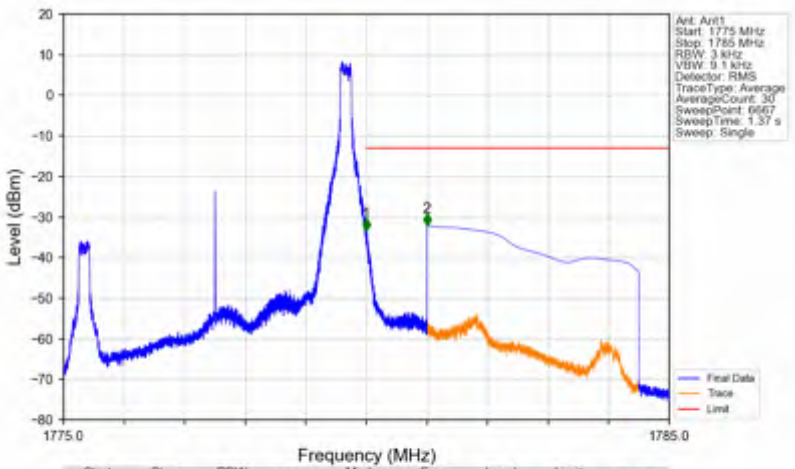
Band66_5MHz_QPSK_HCH_1777.5MHz_RB_1_0_NTNV




Band66_5MHz_QPSK_HCH_1777.5MHz_RB_1_0_NTNV

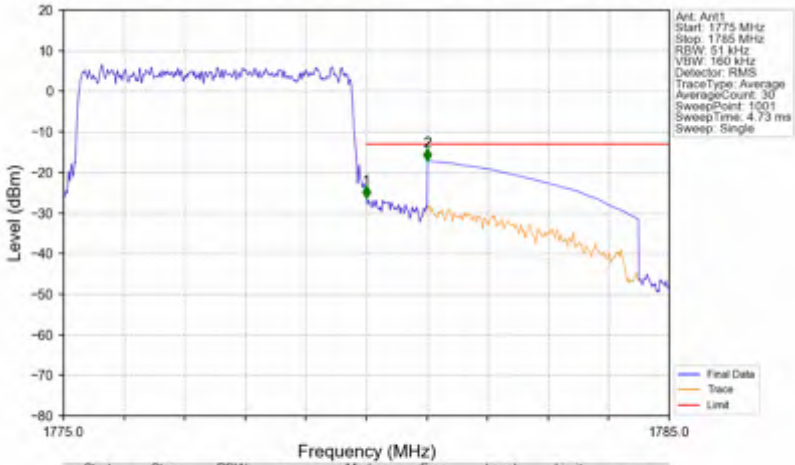


Band66_5MHz_QPSK_HCH_1777.5MHz_RB_1_24_NTNV



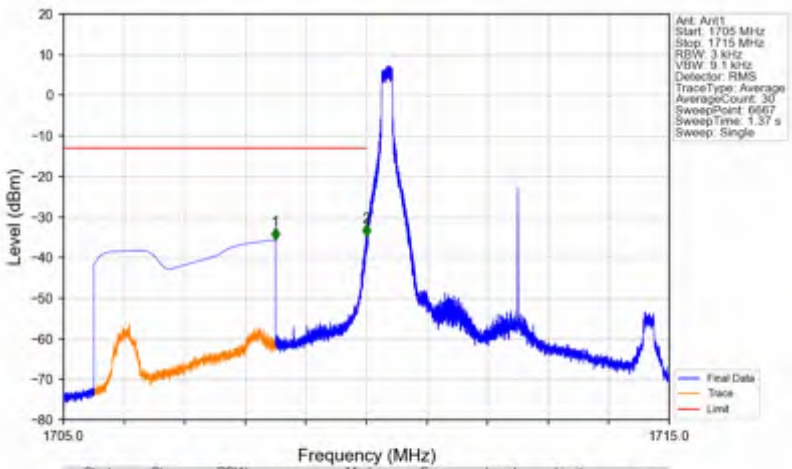

| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1775 | 1780 | 0.003 | / | / | / | / | / | / |
| 1780 | 1781 | 0.003 | / | 1 | 1780.000 | -33.51 | -13 | Pass |
| 1781 | 1785 | 1 | CHP | 2 | 1781.001 | -32.15 | -13 | Pass |

Band66_5MHz_QPSK_HCH_1777.5MHz_RB_25_0_NTNV



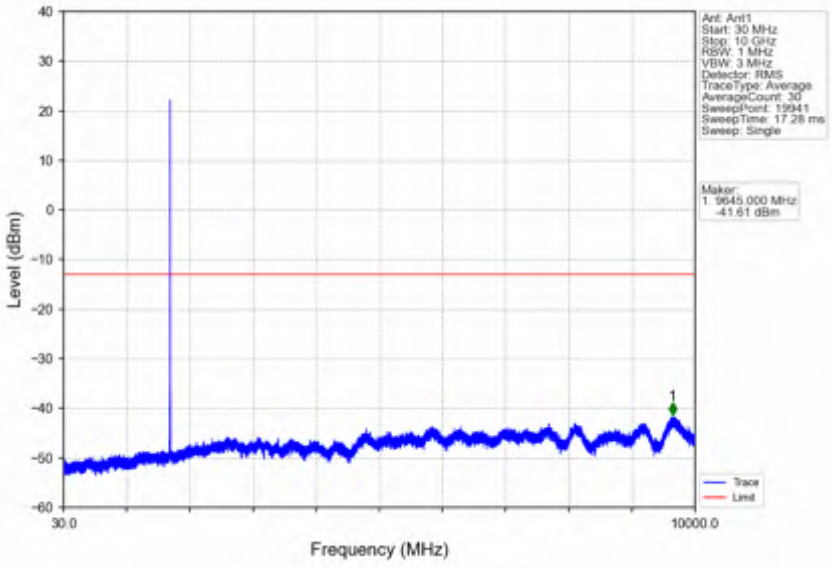

| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1775 | 1780 | 0.051 | / | / | / | / | / | / |
| 1780 | 1781 | 0.051 | / | 1 | 1780.000 | -26.40 | -13 | Pass |
| 1781 | 1785 | 1 | CHP | 2 | 1781.010 | -17.15 | -13 | Pass |

Band66_5MHz_16QAM_LCH_1712.5MHz_RB_1_0_NTNV

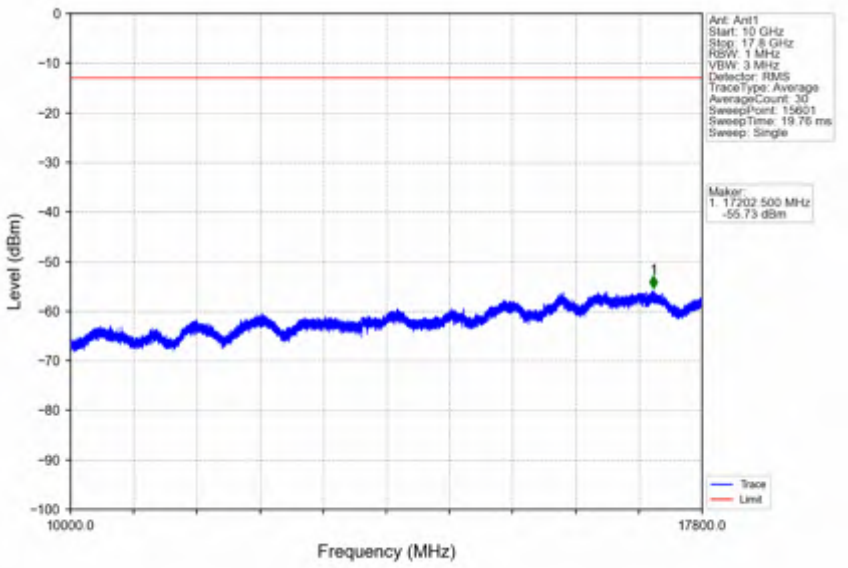



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1705 | 1709 | 1 | CHP | 1 | 1708.495 | -35.64 | -13 | Pass |
| 1709 | 1710 | 0.003 | / | 2 | 1710.000 | -34.76 | -13 | Pass |
| 1710 | 1715 | 0.003 | / | / | / | / | / | / |

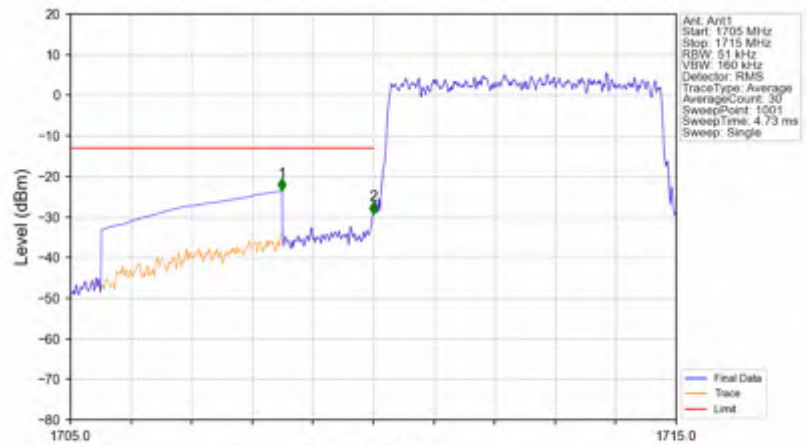
Band66_5MHz_16QAM_LCH_1712.5MHz_RB_1_0_NTNV



Band66_5MHz_16QAM_LCH_1712.5MHz_RB_1_0_NTNV

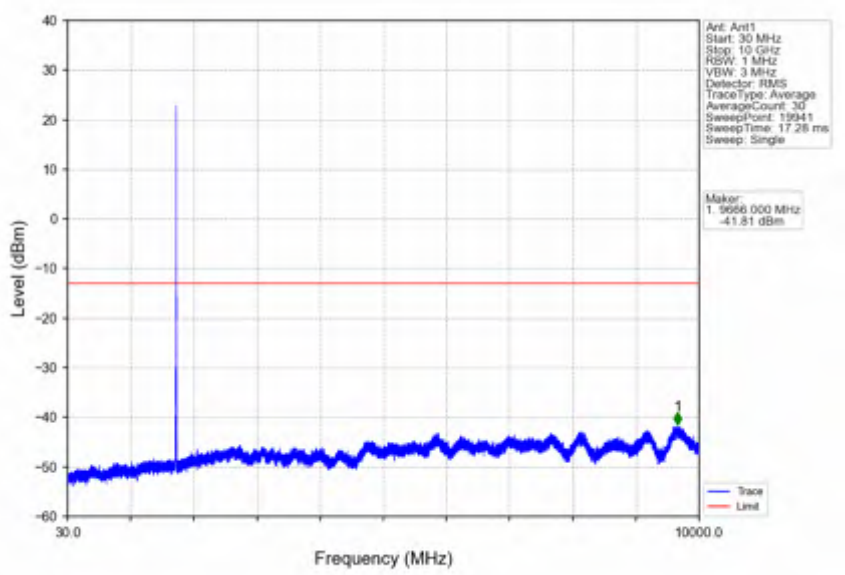



Band66_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV

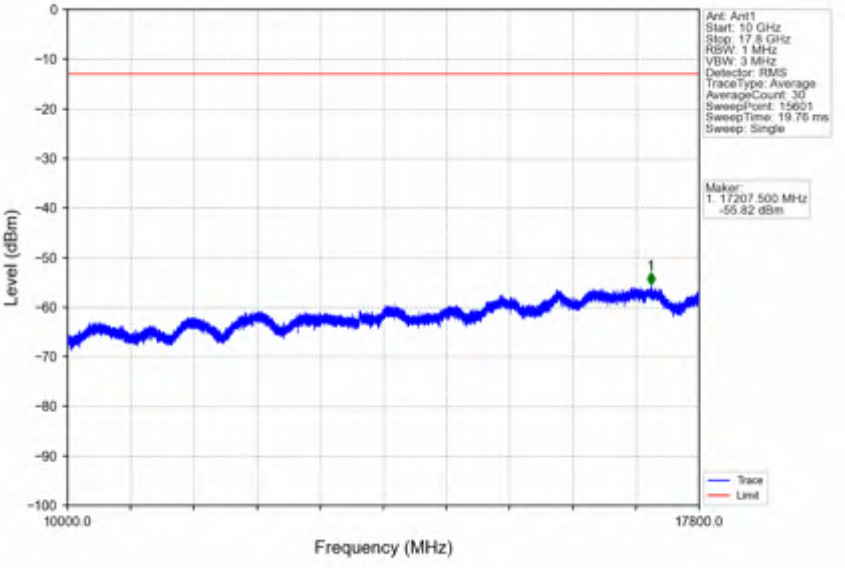



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1705 | 1709 | 1 | CHP | 1 | 1708.490 | -23.52 | -13 | Pass |
| 1709 | 1710 | 0.051 | / | 2 | 1710.000 | -29.32 | -13 | Pass |
| 1710 | 1715 | 0.051 | / | / | / | / | / | / |

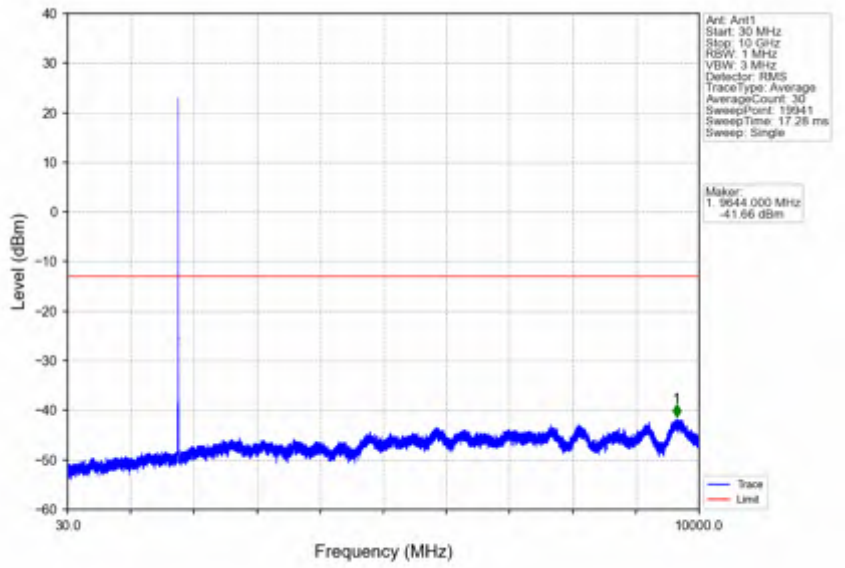
Band66_5MHz_16QAM_MCH_1745MHz_RB_1_0_NTNV



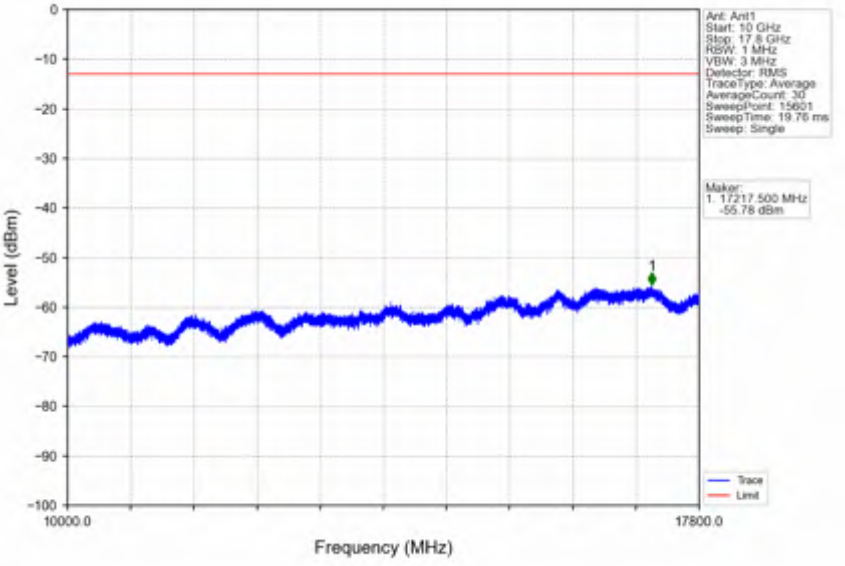

Band66_5MHz_16QAM_MCH_1745MHz_RB_1_0_NTNV



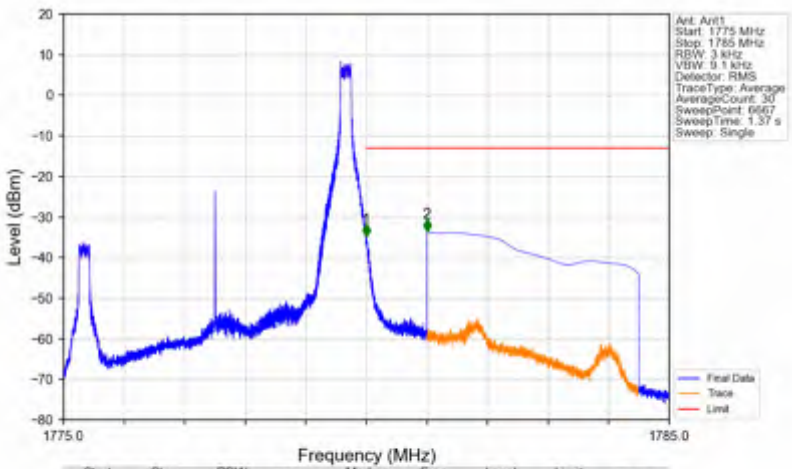
Band66_5MHz_16QAM_HCH_1777.5MHz_RB_1_0_NTNV




Band66_5MHz_16QAM_HCH_1777.5MHz_RB_1_0_NTNV

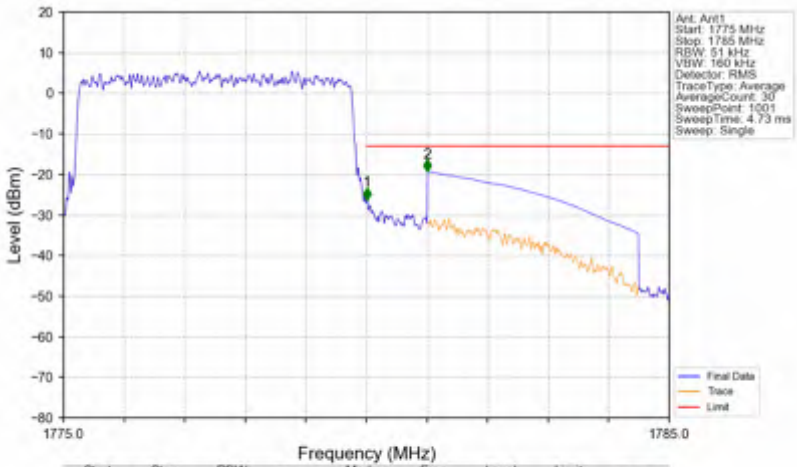


Band66_5MHz_16QAM_HCH_1777.5MHz_RB_1_24_NTNV



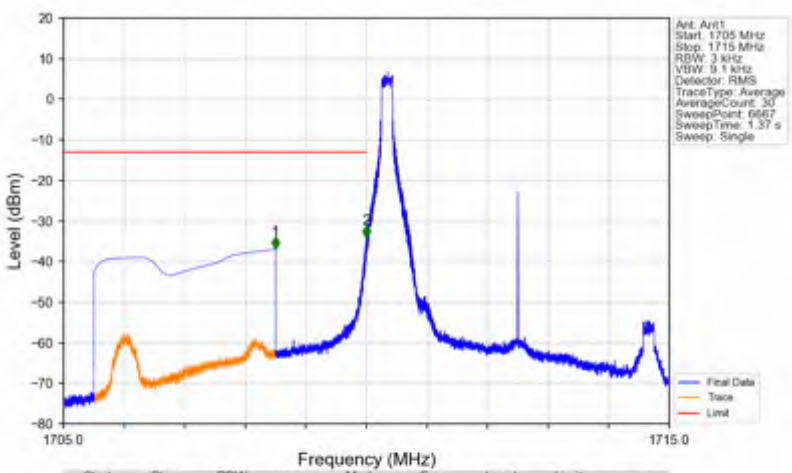

| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1775 | 1780 | 0.003 | / | / | / | / | / | / |
| 1780 | 1781 | 0.003 | / | 1 | 1780.000 | -34.91 | -13 | Pass |
| 1781 | 1785 | 1 | CHP | 2 | 1781.001 | -33.68 | -13 | Pass |

Band66_5MHz_16QAM_HCH_1777.5MHz_RB_25_0_NTNV



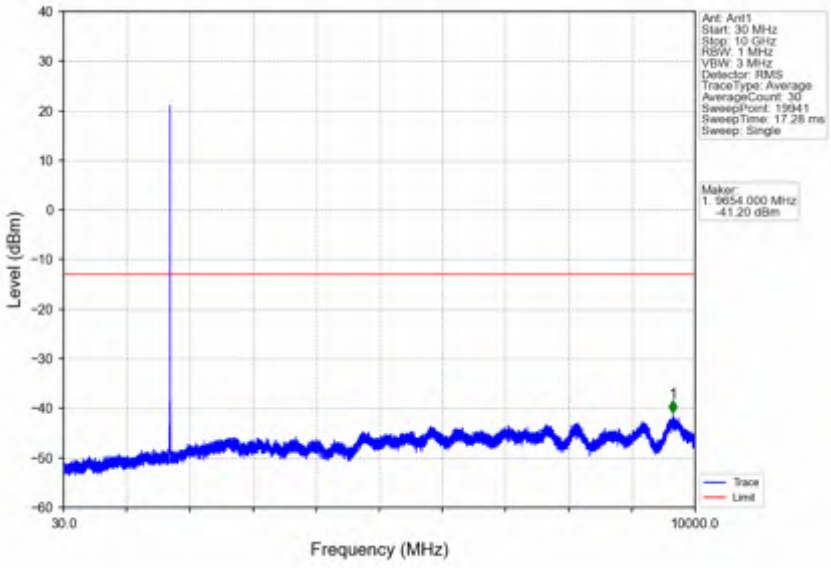

| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1775 | 1780 | 0.051 | / | / | / | / | / | / |
| 1780 | 1781 | 0.051 | / | 1 | 1780.010 | -26.30 | -13 | Pass |
| 1781 | 1785 | 1 | CHP | 2 | 1781.010 | -19.32 | -13 | Pass |

Band66_5MHz_64QAM_LCH_1712.5MHz_RB_1_0_NTNV

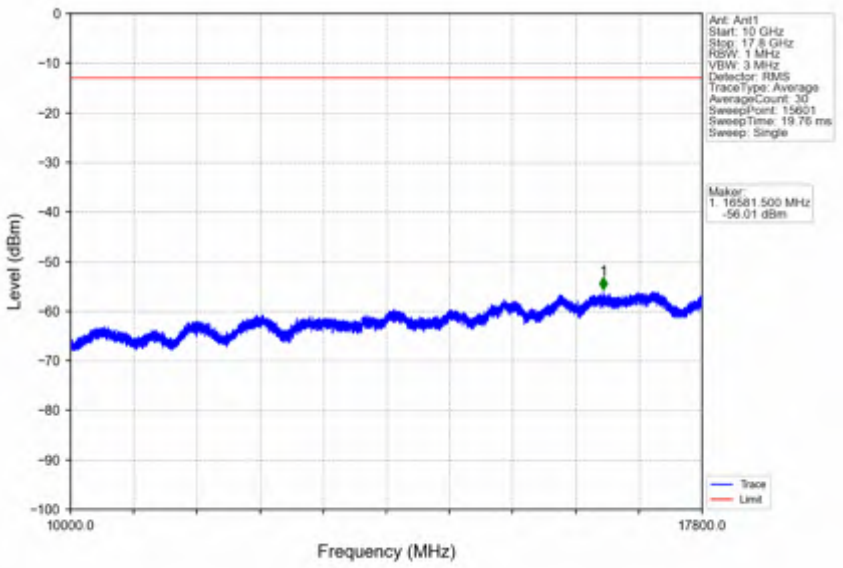



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1705 | 1709 | 1 | CHP | 1 | 1708.495 | -36.95 | -13 | Pass |
| 1709 | 1710 | 0.003 | / | 2 | 1710.000 | -34.17 | -13 | Pass |
| 1710 | 1715 | 0.003 | / | / | / | / | / | / |

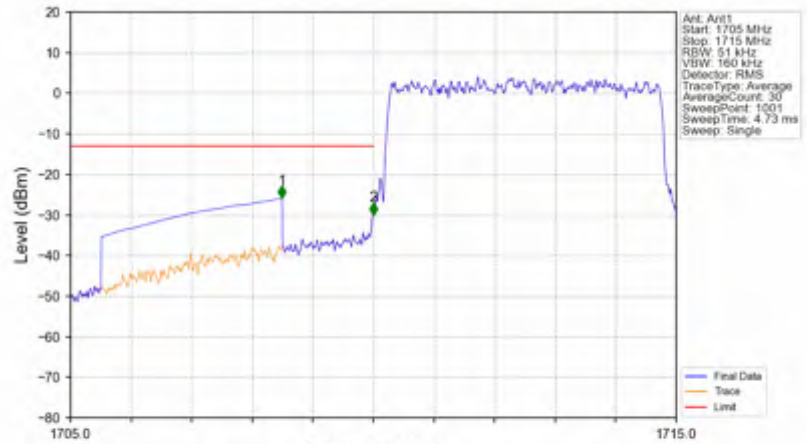
Band66_5MHz_64QAM_LCH_1712.5MHz_RB_1_0_NTNV



Band66_5MHz_64QAM_LCH_1712.5MHz_RB_1_0_NTNV

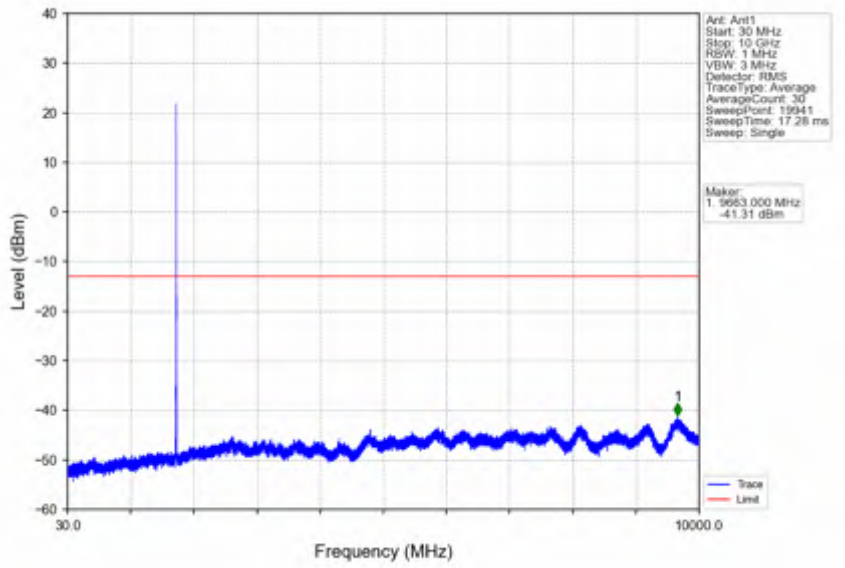



Band66_5MHz_64QAM_LCH_1712.5MHz_RB_25_0_NTNV

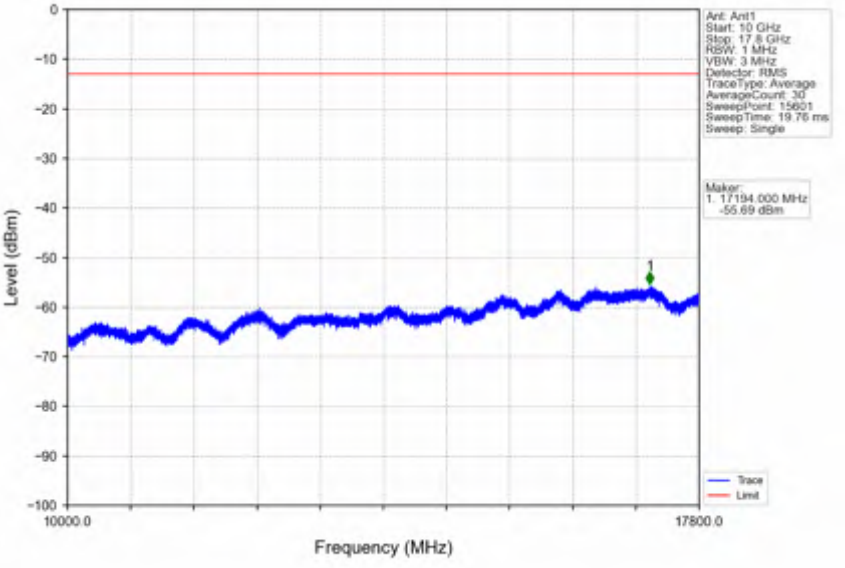



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1705 | 1709 | 1 | CHP | 1 | 1708.490 | -25.90 | -13 | Pass |
| 1709 | 1710 | 0.051 | / | 2 | 1710.000 | -30.03 | -13 | Pass |
| 1710 | 1715 | 0.051 | / | / | / | / | / | / |

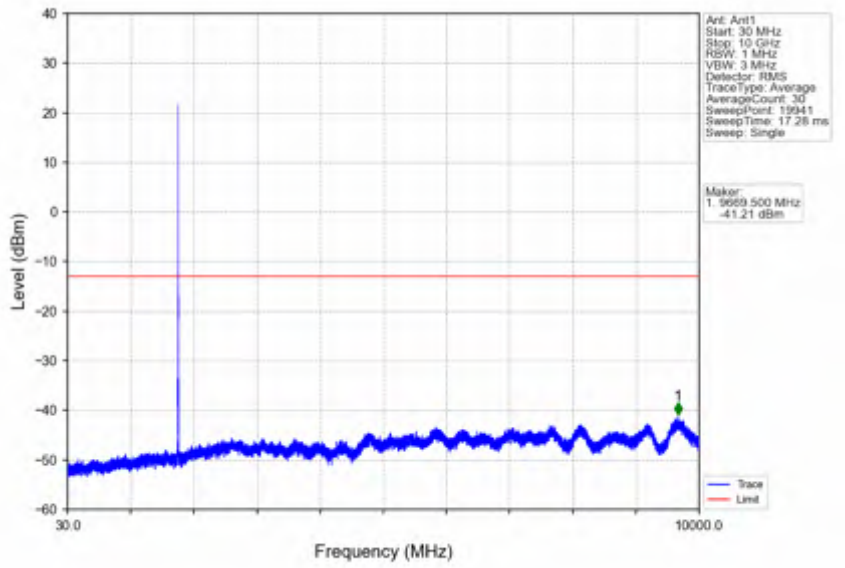
Band66_5MHz_64QAM_MCH_1745MHz_RB_1_0_NTNV



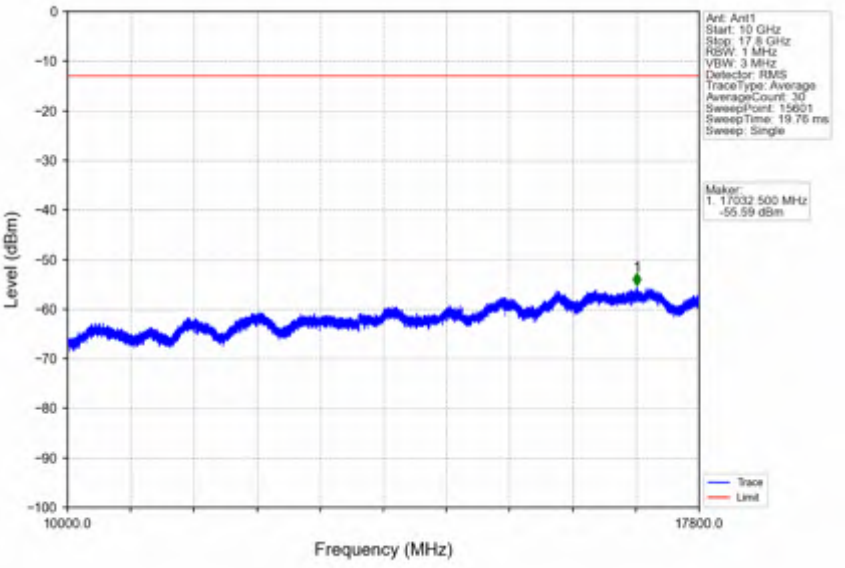

Band66_5MHz_64QAM_MCH_1745MHz_RB_1_0_NTNV



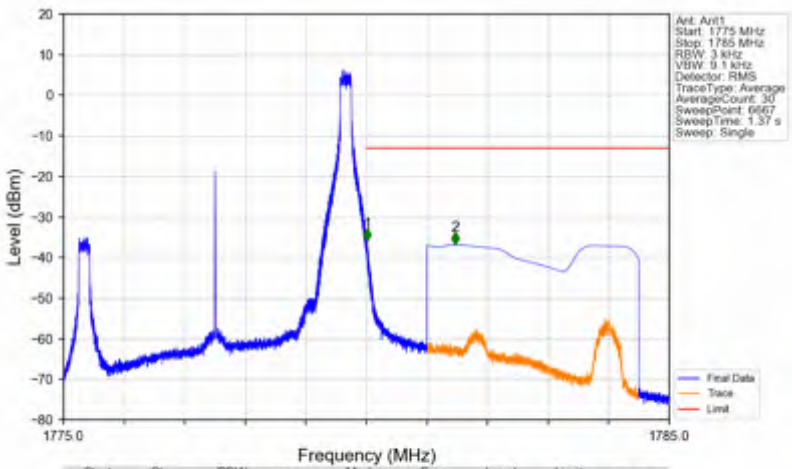
Band66_5MHz_64QAM_HCH_1777.5MHz_RB_1_0_NTNV




Band66_5MHz_64QAM_HCH_1777.5MHz_RB_1_0_NTNV

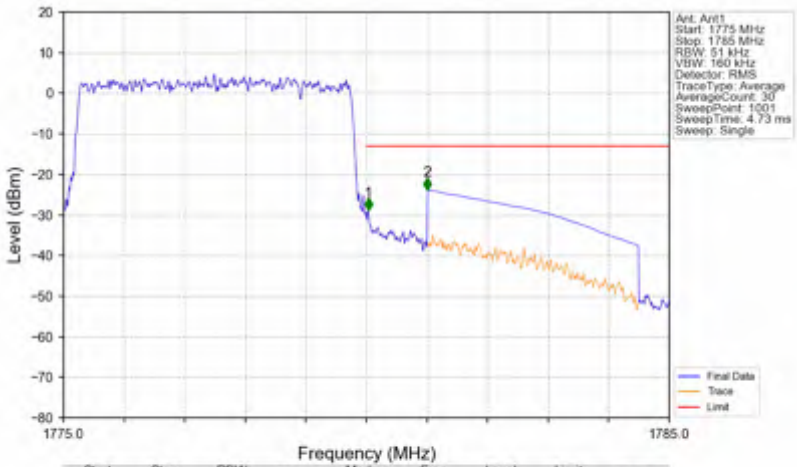


Band66_5MHz_64QAM_HCH_1777.5MHz_RB_1_24_NTNV




| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1775 | 1780 | 0.003 | / | / | / | / | / | / |
| 1780 | 1781 | 0.003 | / | 1 | 1780.014 | -35.96 | -13 | Pass |
| 1781 | 1785 | 1 | CHP | 2 | 1781.469 | -36.82 | -13 | Pass |

Band66_5MHz_64QAM_HCH_1777.5MHz_RB_25_0_NTNV




| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1775 | 1780 | 0.051 | / | / | / | / | / | / |
| 1780 | 1781 | 0.051 | / | 1 | 1780.030 | -28.89 | -13 | Pass |
| 1781 | 1785 | 1 | CHP | 2 | 1781.010 | -23.85 | -13 | Pass |

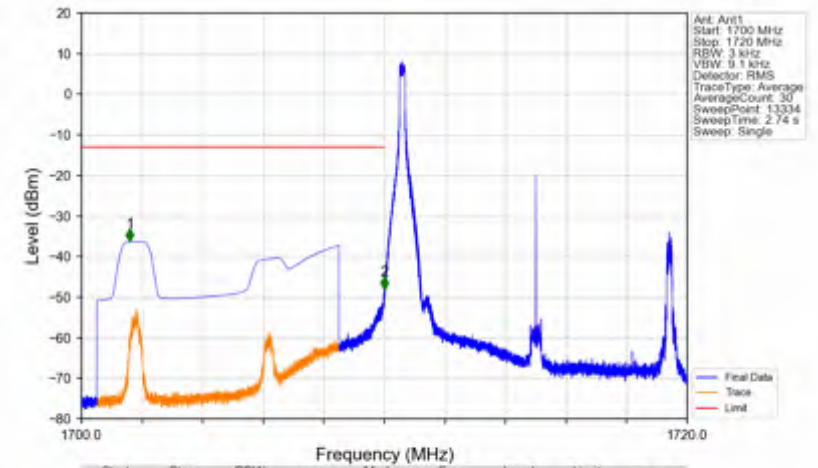
## 5.4 B66_10MHz

### 5.4.1 Test Result

| Band: 66 / Bandwidth: 10MHz / NTNV | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Spurious Emission | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 1715 | 1 | 0 | Refer To Test Graph | | Pass |
| | | 50 | 0 | Refer To Test Graph | | Pass |
| | 1745 | 1 | 0 | Refer To Test Graph | | Pass |
| | 1775 | 1 | 0 | Refer To Test Graph | | Pass |
| | | | 49 | Refer To Test Graph | | Pass |
| | | 50 | 0 | Refer To Test Graph | | Pass |
| 16QAM | 1715 | 1 | 0 | Refer To Test Graph | | Pass |
| | | 50 | 0 | Refer To Test Graph | | Pass |
| | 1745 | 1 | 0 | Refer To Test Graph | | Pass |
| | 1775 | 1 | 0 | Refer To Test Graph | | Pass |
| | | | 49 | Refer To Test Graph | | Pass |
| | | 50 | 0 | Refer To Test Graph | | Pass |
| 64QAM | 1715 | 1 | 0 | Refer To Test Graph | | Pass |
| | | 50 | 0 | Refer To Test Graph | | Pass |
| | 1745 | 1 | 0 | Refer To Test Graph | | Pass |
| | 1775 | 1 | 0 | Refer To Test Graph | | Pass |
| | | | 49 | Refer To Test Graph | | Pass |
| | | 50 | 0 | Refer To Test Graph | | Pass |

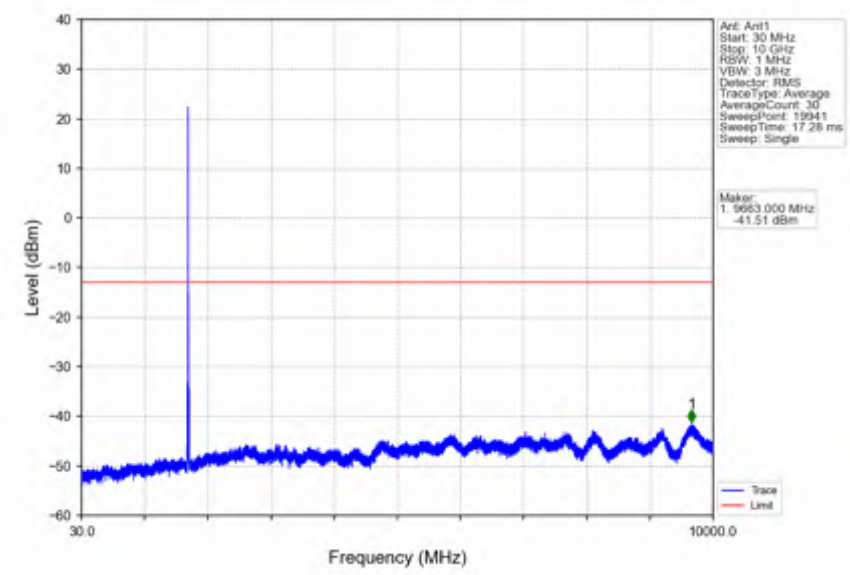
5.4.2 Test Graph

Band66_10MHz_QPSK_LCH_1715MHz_RB_1_0_NTNV

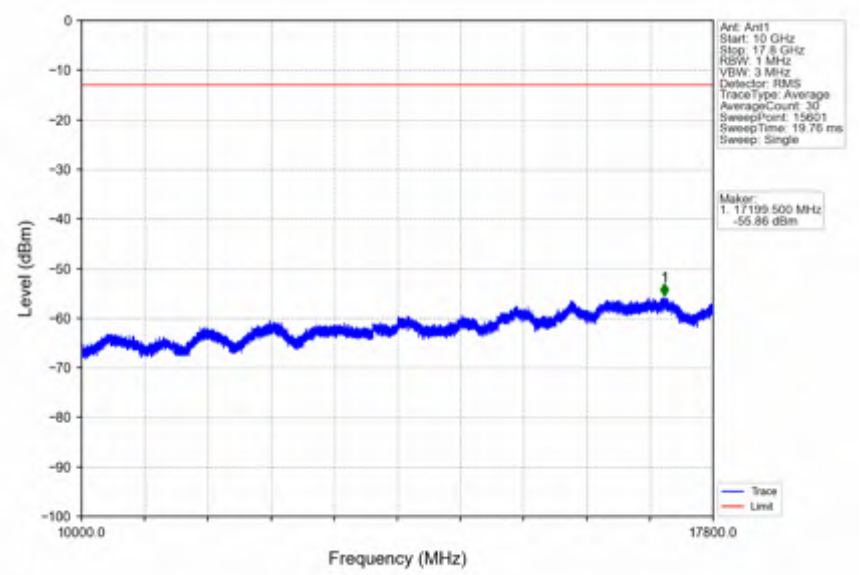



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1700 | 1709 | 1 | CHP | 1 | 1701.590 | -36.32 | -13 | Pass |
| 1709 | 1710 | 0.003 | / | 2 | 1709.999 | -48.03 | -13 | Pass |
| 1710 | 1720 | 0.003 | / | / | / | / | / | / |

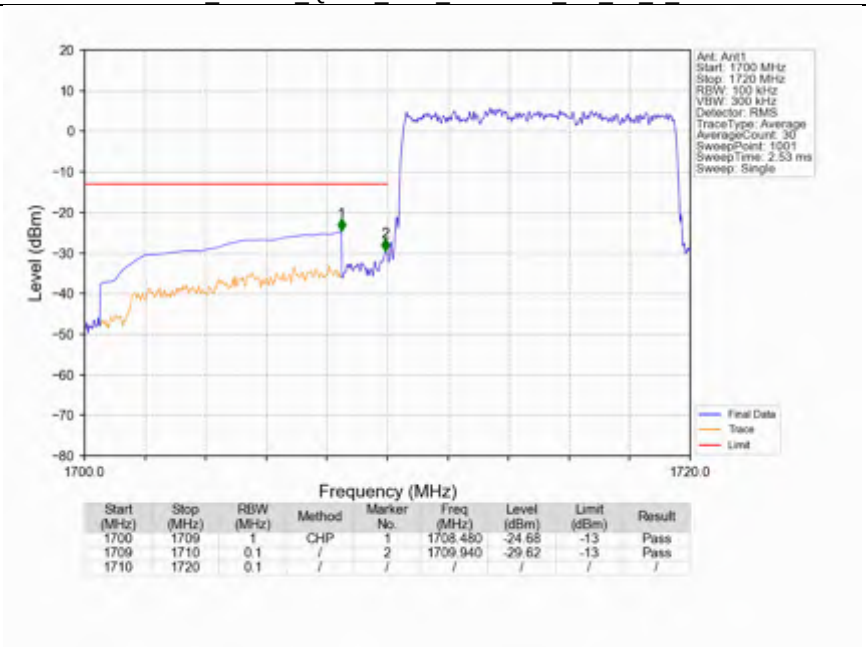
Band66_10MHz_QPSK_LCH_1715MHz_RB_1_0_NTNV



Band66_10MHz_QPSK_LCH_1715MHz_RB_1_0_NTNV

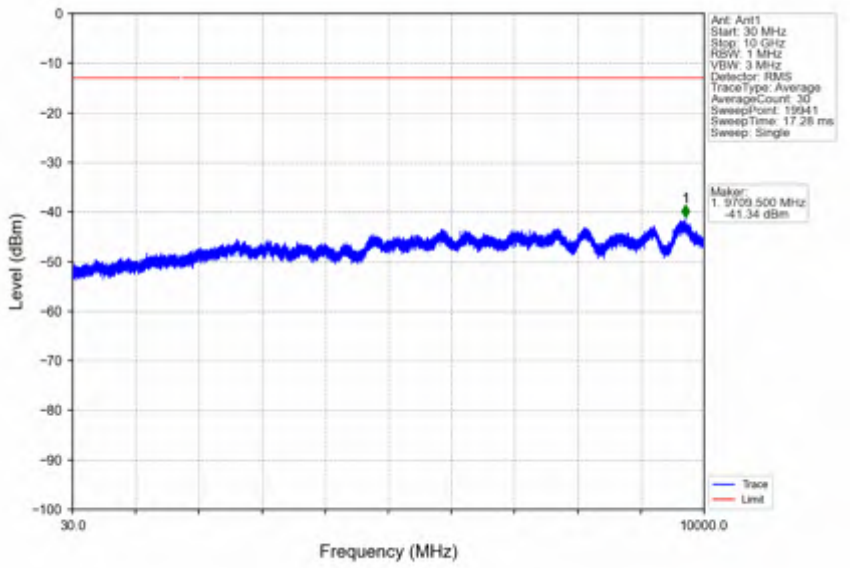



Band66_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV

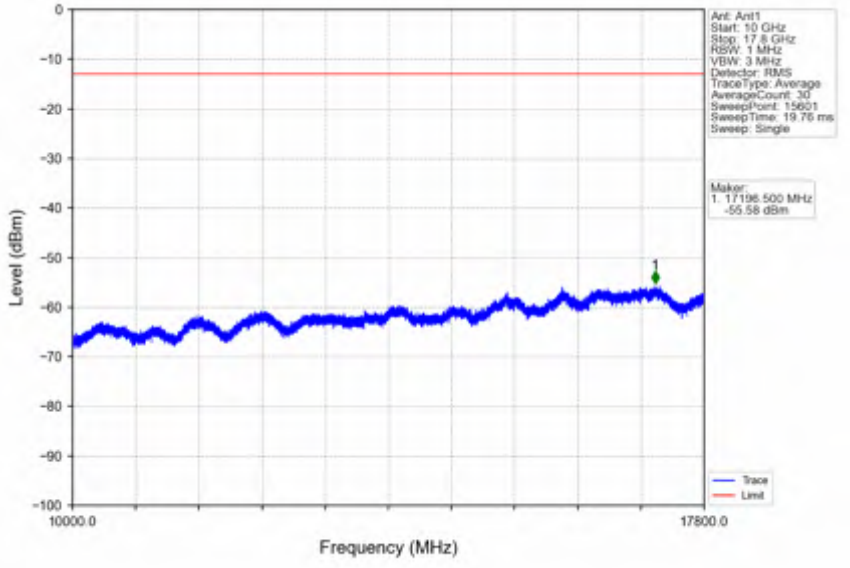



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1700 | 1709 | 1 | CHP | 1 | 1708.480 | -24.68 | -13 | Pass |
| 1709 | 1710 | 0.1 | / | 2 | 1709.940 | -29.62 | -13 | Pass |
| 1710 | 1720 | 0.1 | / | / | / | / | / | / |

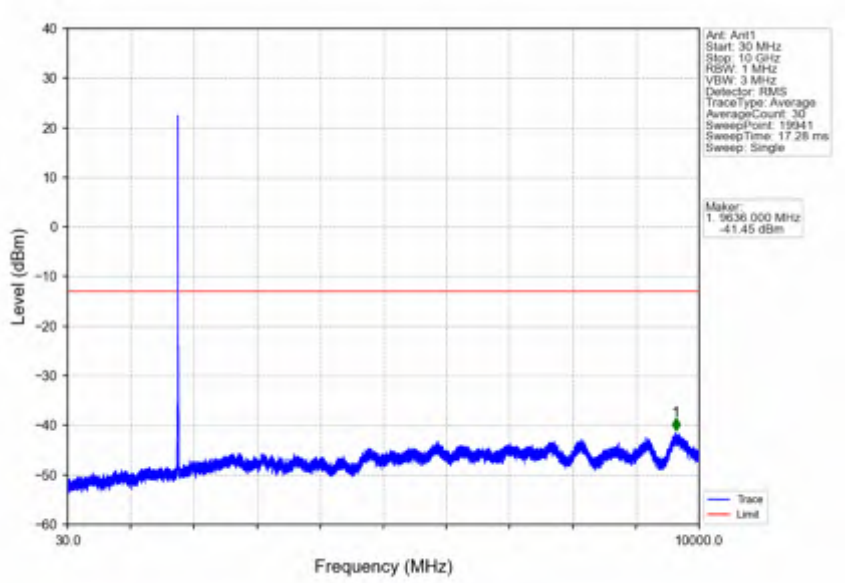
Band66_10MHz_QPSK_MCH_1745MHz_RB_1_0_NTNV



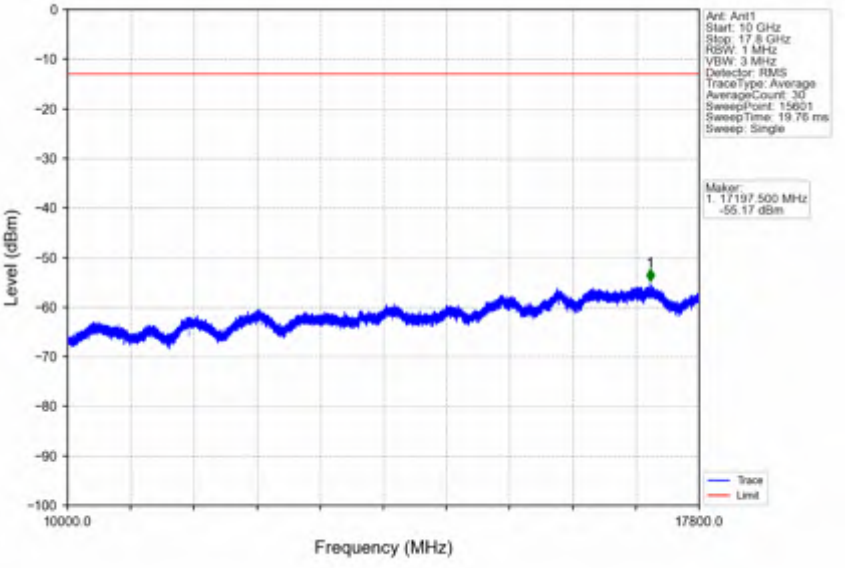

Band66_10MHz_QPSK_MCH_1745MHz_RB_1_0_NTNV



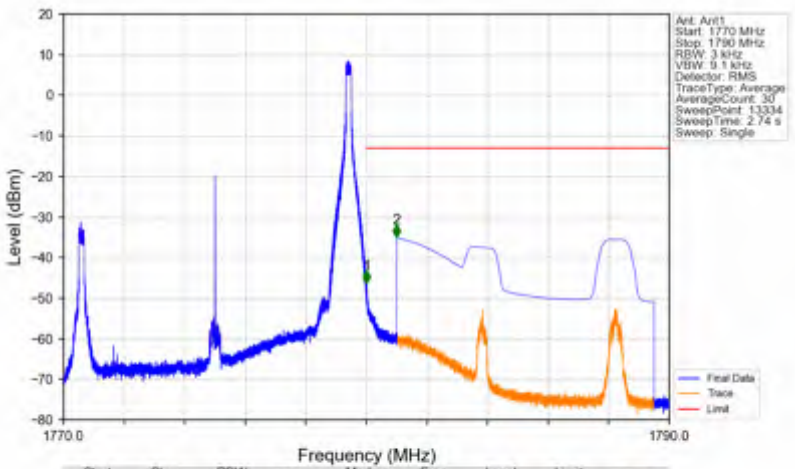
Band66_10MHz_QPSK_HCH_1775MHz_RB_1_0_NTNV




Band66_10MHz_QPSK_HCH_1775MHz_RB_1_0_NTNV

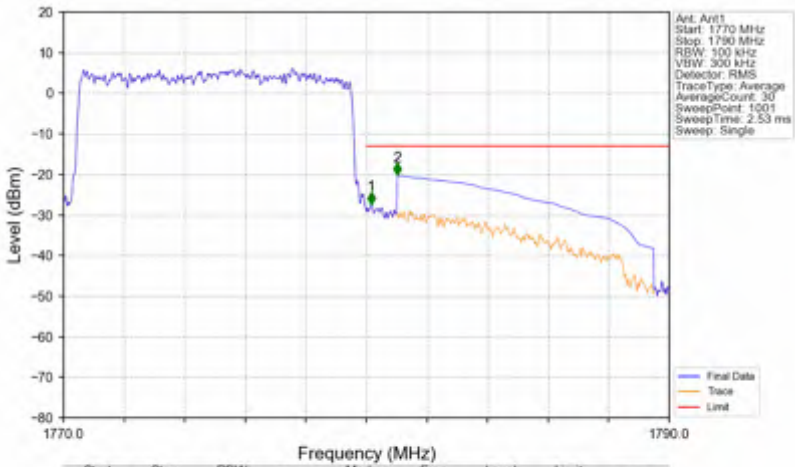


Band66_10MHz_QPSK_HCH_1775MHz_RB_1_49_NTNV



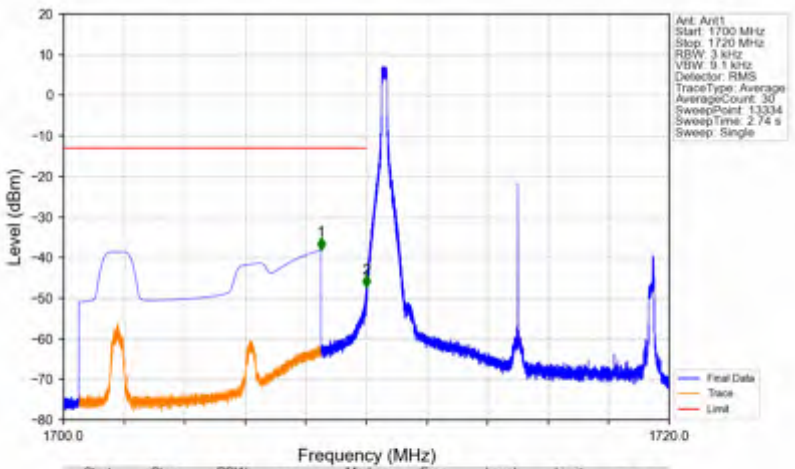

| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1770 | 1780 | 0.003 | / | / | / | / | / | / |
| 1780 | 1781 | 0.003 | / | 1 | 1780.002 | -46.27 | -13 | Pass |
| 1781 | 1790 | 1 | CHP | 2 | 1781.001 | -35.05 | -13 | Pass |

Band66_10MHz_QPSK_HCH_1775MHz_RB_50_0_NTNV



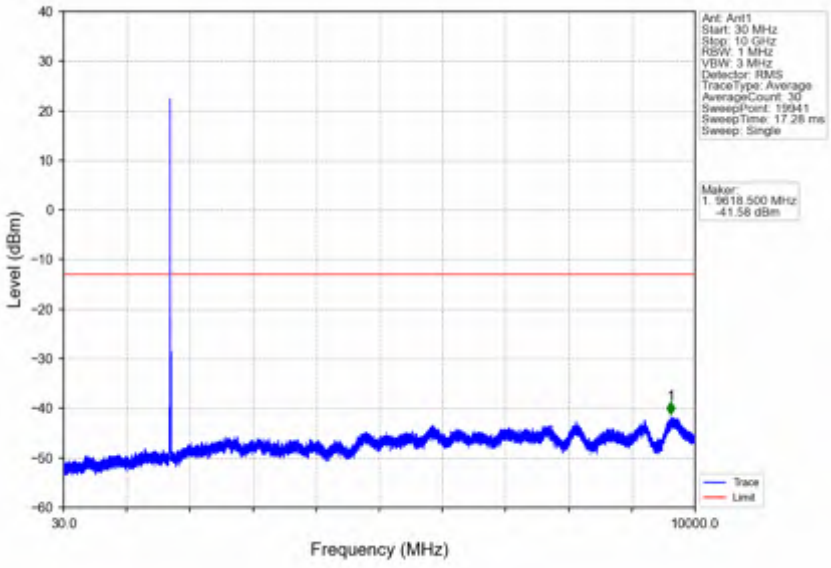

| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1770 | 1780 | 0.1 | / | / | / | / | / | / |
| 1780 | 1781 | 0.1 | / | 1 | 1780.160 | -27.36 | -13 | Pass |
| 1781 | 1790 | 1 | CHP | 2 | 1781.020 | -20.27 | -13 | Pass |

Band66_10MHz_16QAM_LCH_1715MHz_RB_1_0_NTNV

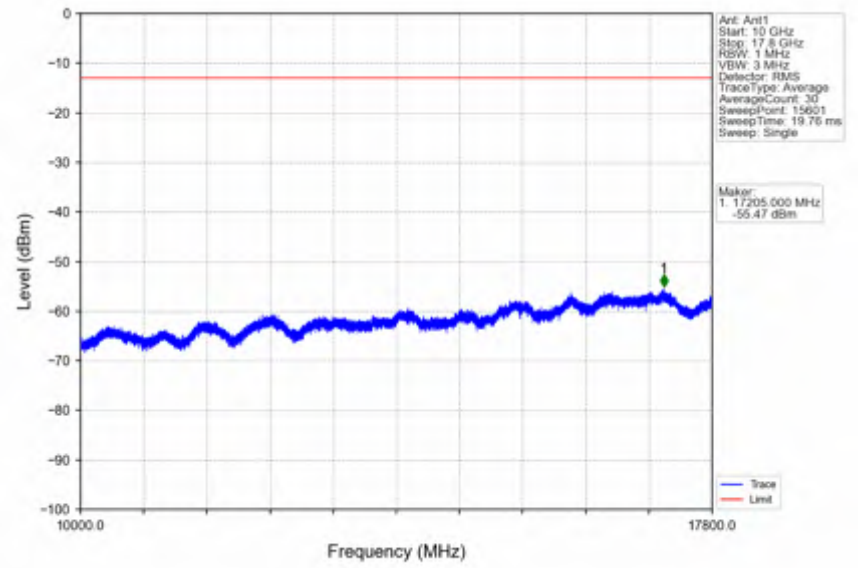



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1700 | 1709 | 1 | CHP | 1 | 1708.499 | -38.14 | -13 | Pass |
| 1709 | 1710 | 0.003 | / | 2 | 1709.998 | -47.36 | -13 | Pass |
| 1710 | 1720 | 0.003 | / | / | / | / | / | / |

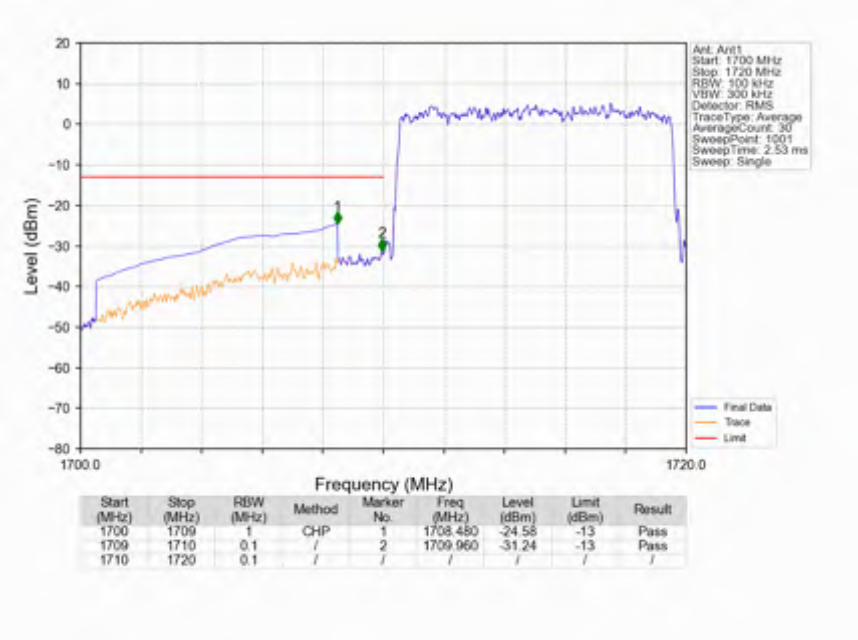
Band66_10MHz_16QAM_LCH_1715MHz_RB_1_0_NTNV



Band66_10MHz_16QAM_LCH_1715MHz_RB_1_0_NTNV

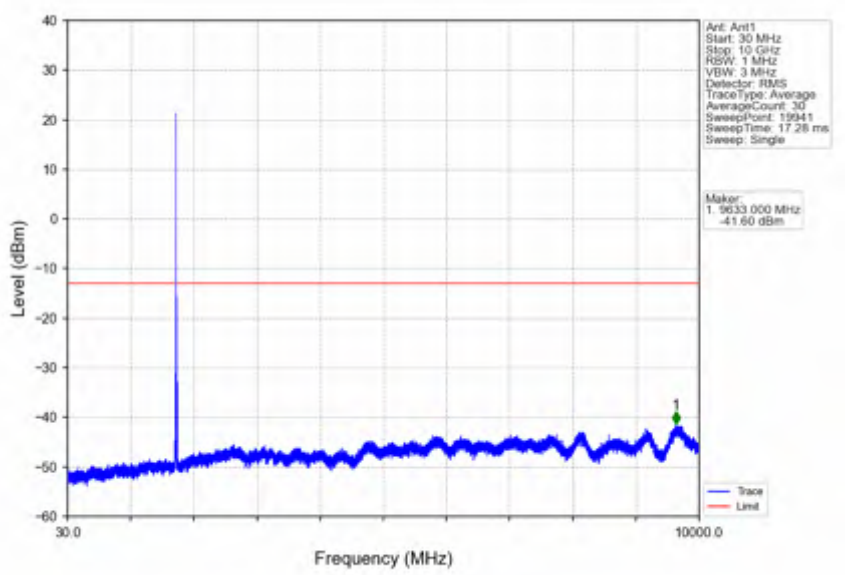



Band66_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV

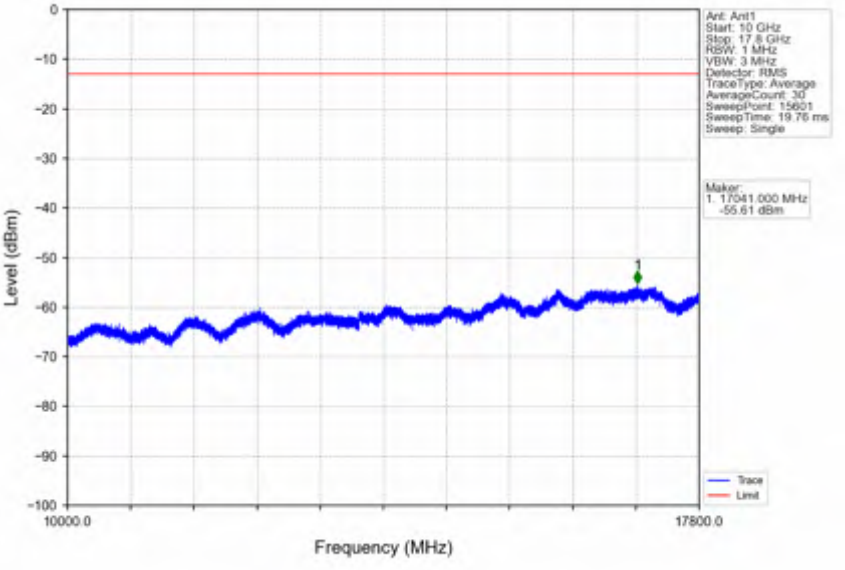



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1700 | 1709 | 1 | CHP | 1 | 1708.480 | -24.58 | -13 | Pass |
| 1709 | 1710 | 0.1 | / | 2 | 1709.960 | -31.24 | -13 | Pass |
| 1710 | 1720 | 0.1 | / | / | / | / | / | / |

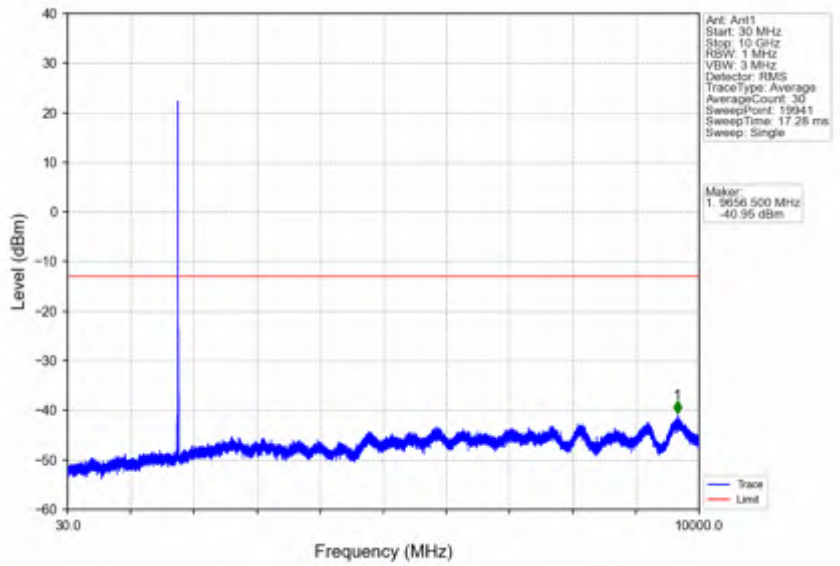
Band66_10MHz_16QAM_MCH_1745MHz_RB_1_0_NTNV



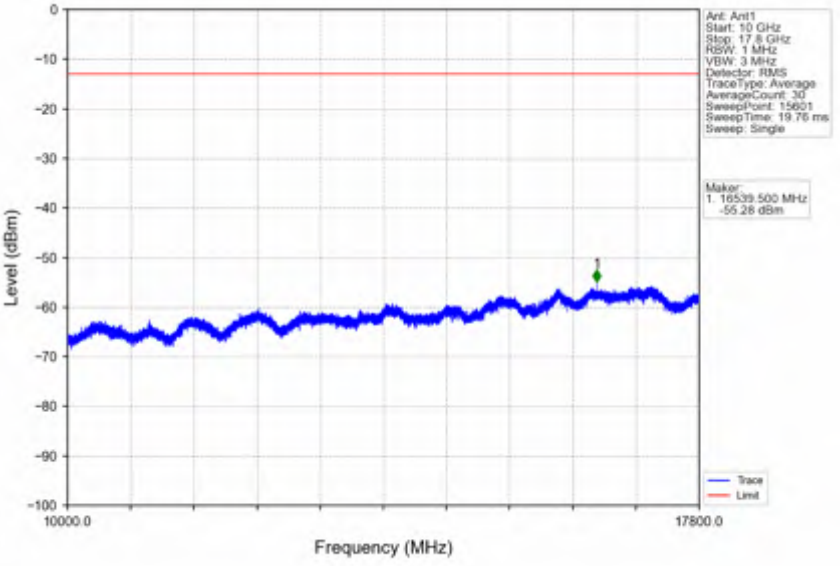

Band66_10MHz_16QAM_MCH_1745MHz_RB_1_0_NTNV



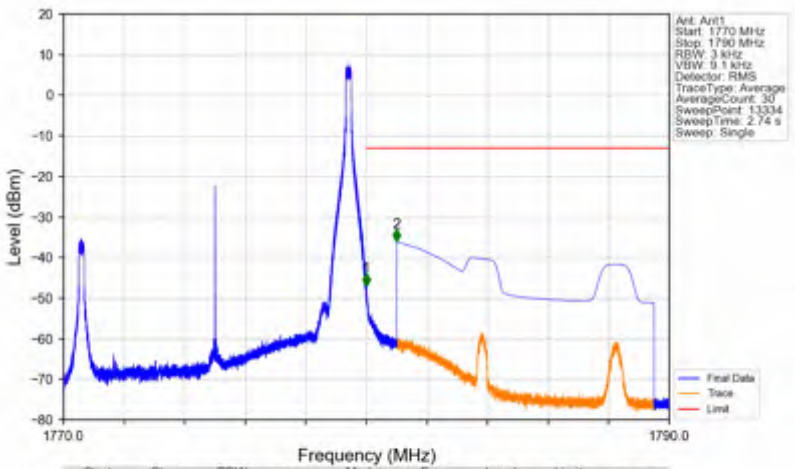
Band66_10MHz_16QAM_HCH_1775MHz_RB_1_0_NTNV




Band66_10MHz_16QAM_HCH_1775MHz_RB_1_0_NTNV

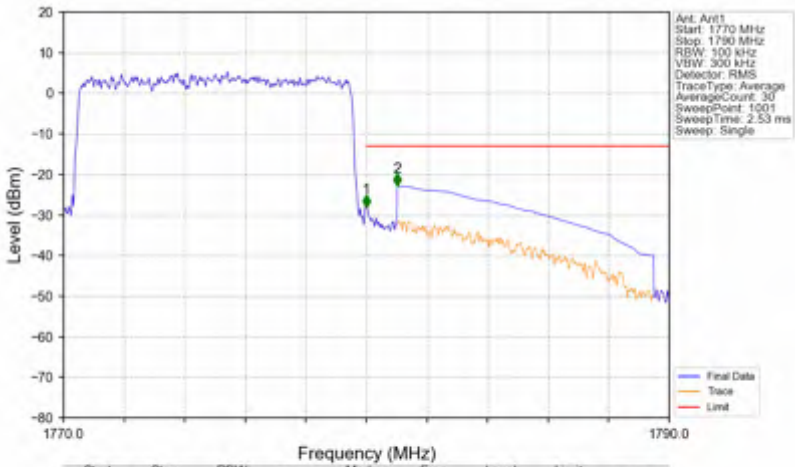


Band66_10MHz_16QAM_HCH_1775MHz_RB_1_49_NTNV



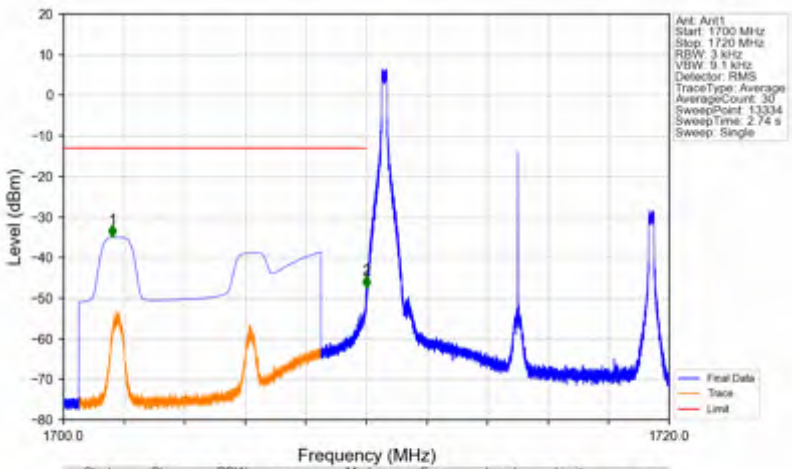

| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1770 | 1780 | 0.003 | / | / | / | / | / | / |
| 1780 | 1781 | 0.003 | / | 1 | 1780.001 | -46.95 | -13 | Pass |
| 1781 | 1790 | 1 | CHP | 2 | 1781.001 | -36.12 | -13 | Pass |

Band66_10MHz_16QAM_HCH_1775MHz_RB_50_0_NTNV



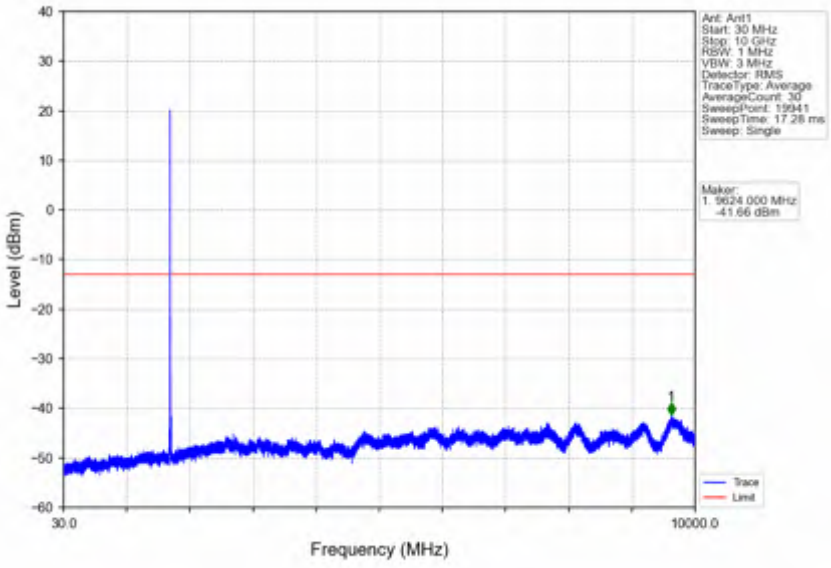

| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1770 | 1780 | 0.1 | / | / | / | / | / | / |
| 1780 | 1781 | 0.1 | / | 1 | 1780.000 | -28.06 | -13 | Pass |
| 1781 | 1790 | 1 | CHP | 2 | 1781.020 | -22.91 | -13 | Pass |

Band66_10MHz_64QAM_LCH_1715MHz_RB_1_0_NTNV

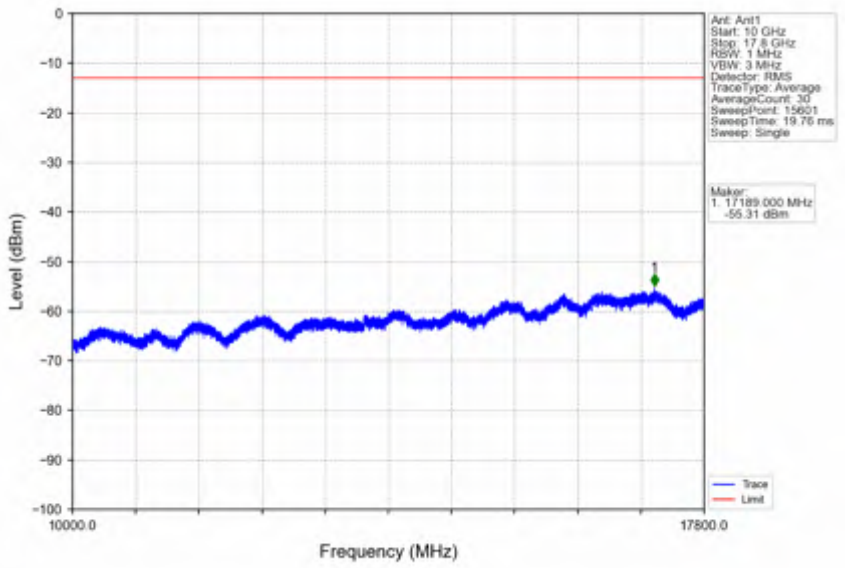



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1700 | 1709 | 1 | CHP | 1 | 1701.611 | -35.06 | -13 | Pass |
| 1709 | 1710 | 0.003 | / | 2 | 1709.998 | -47.49 | -13 | Pass |
| 1710 | 1720 | 0.003 | / | / | / | / | / | / |

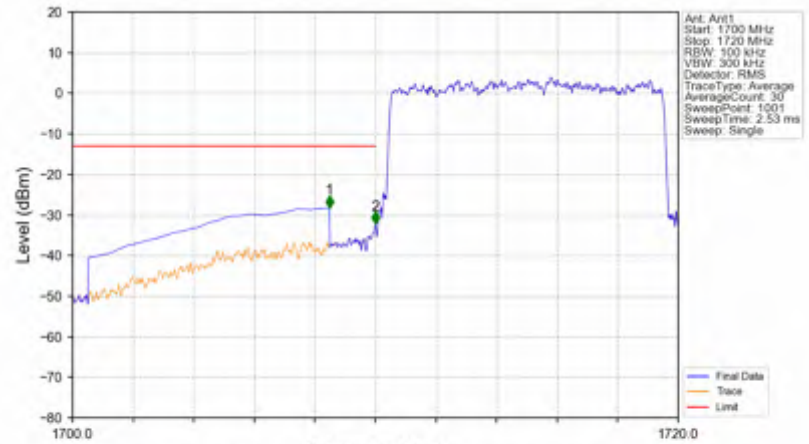
Band66_10MHz_64QAM_LCH_1715MHz_RB_1_0_NTNV



Band66_10MHz_64QAM_LCH_1715MHz_RB_1_0_NTNV

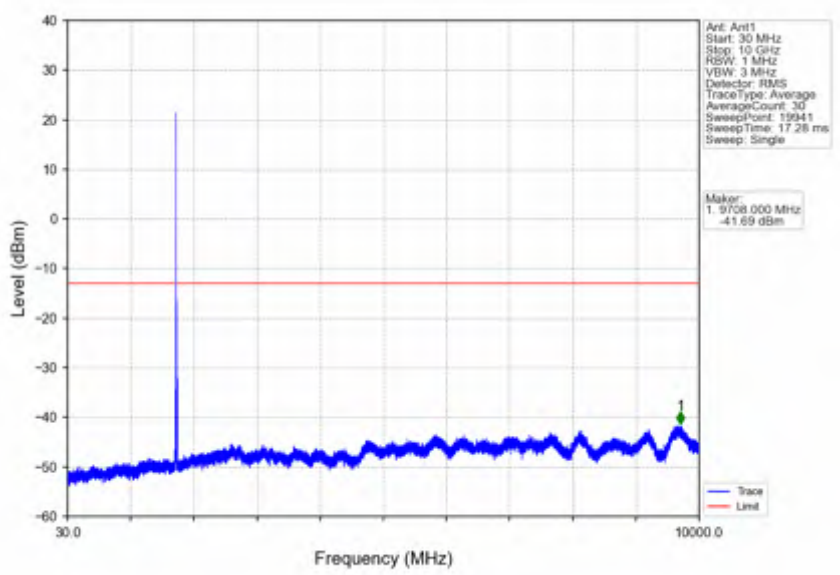



Band66_10MHz_64QAM_LCH_1715MHz_RB_50_0_NTNV

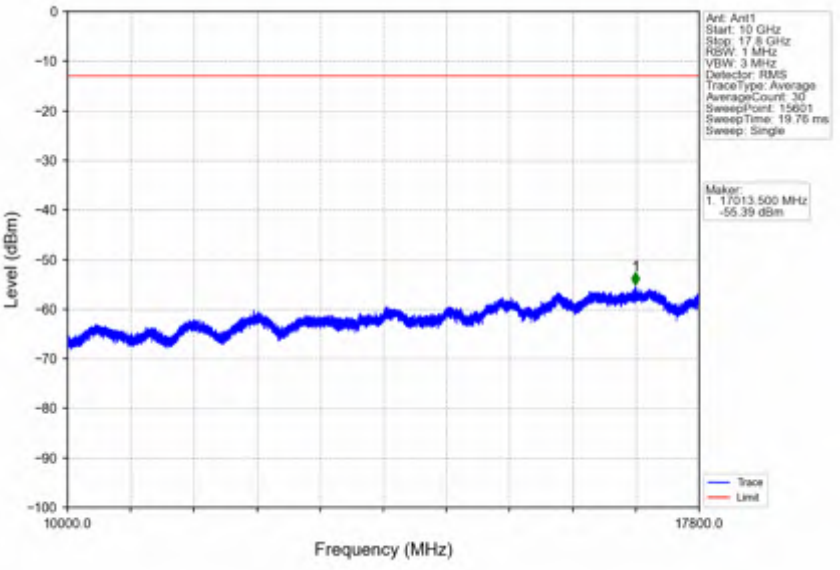



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1700 | 1709 | 1 | CHP | 1 | 1708.480 | -28.24 | -13 | Pass |
| 1709 | 1710 | 0.1 | / | 2 | 1710.000 | -32.26 | -13 | Pass |
| 1710 | 1720 | 0.1 | / | / | / | / | / | / |

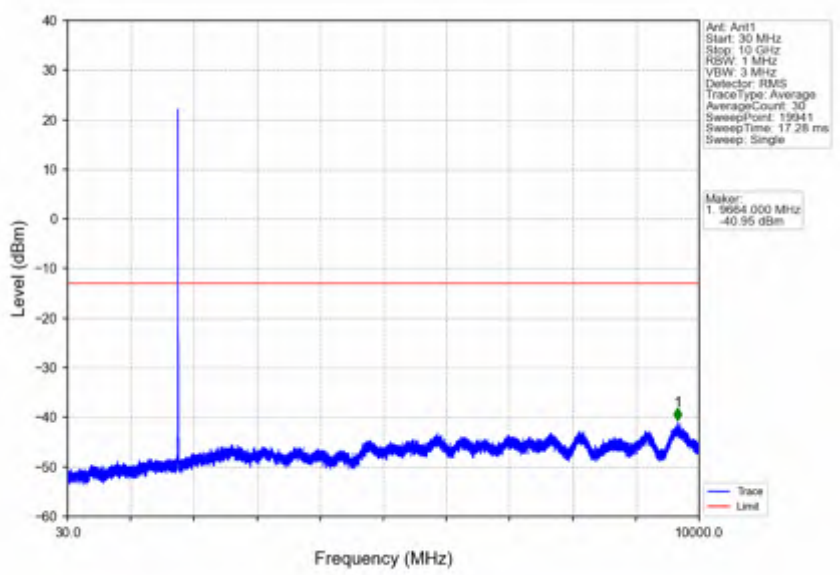
Band66_10MHz_64QAM_MCH_1745MHz_RB_1_0_NTNV



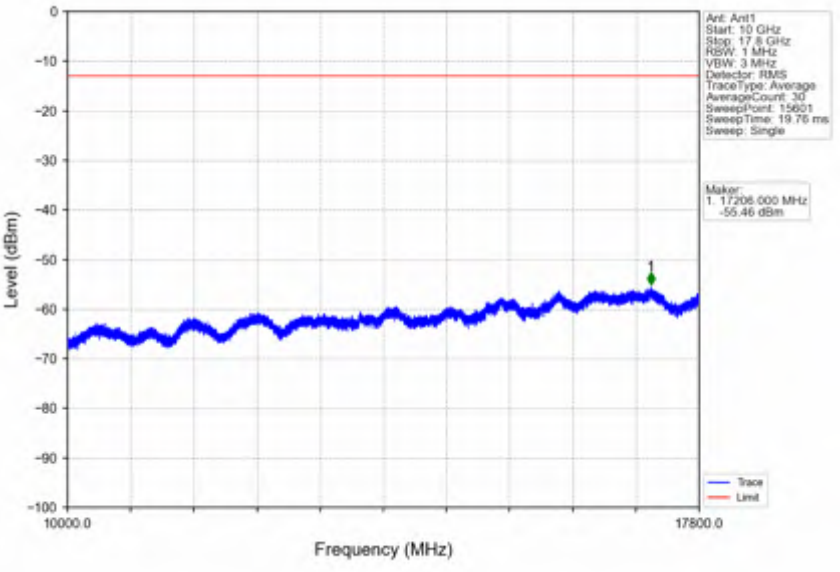

Band66_10MHz_64QAM_MCH_1745MHz_RB_1_0_NTNV



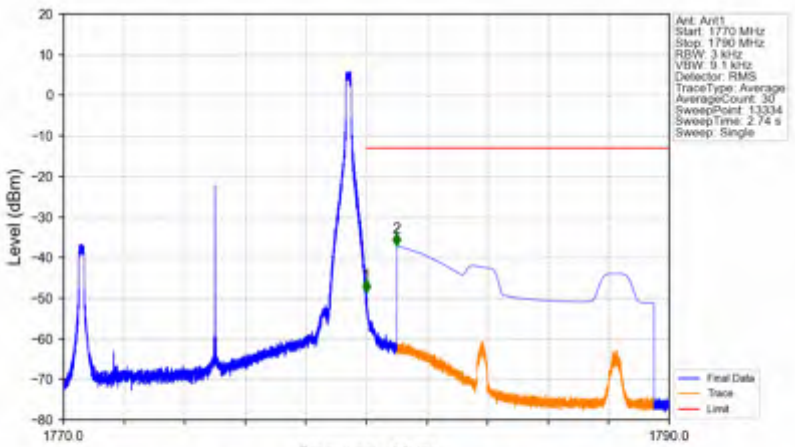
Band66_10MHz_64QAM_HCH_1775MHz_RB_1_0_NTNV




Band66_10MHz_64QAM_HCH_1775MHz_RB_1_0_NTNV

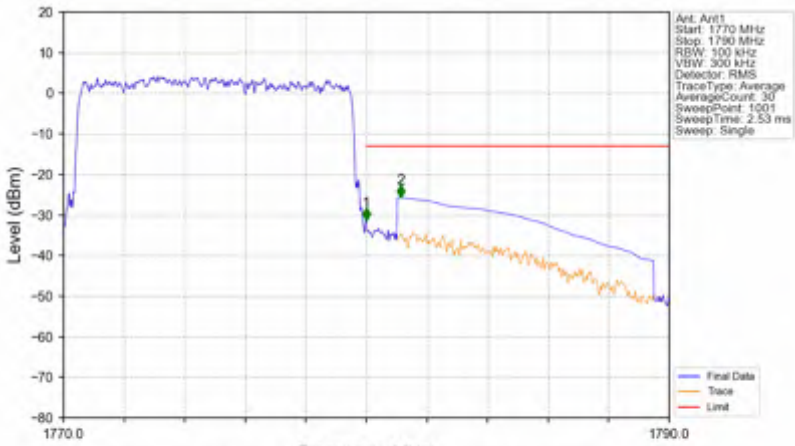


Band66_10MHz_64QAM_HCH_1775MHz_RB_1_49_NTNV




| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1770 | 1780 | 0.003 | / | / | / | / | / | / |
| 1780 | 1781 | 0.003 | / | 1 | 1780.001 | -48.66 | -13 | Pass |
| 1781 | 1790 | 1 | CHP | 2 | 1781.001 | -37.17 | -13 | Pass |

Band66_10MHz_64QAM_HCH_1775MHz_RB_50_0_NTNV




| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1770 | 1780 | 0.1 | / | / | / | / | / | / |
| 1780 | 1781 | 0.1 | / | 1 | 1780.000 | -31.36 | -13 | Pass |
| 1781 | 1790 | 1 | CHP | 2 | 1781.140 | -25.72 | -13 | Pass |

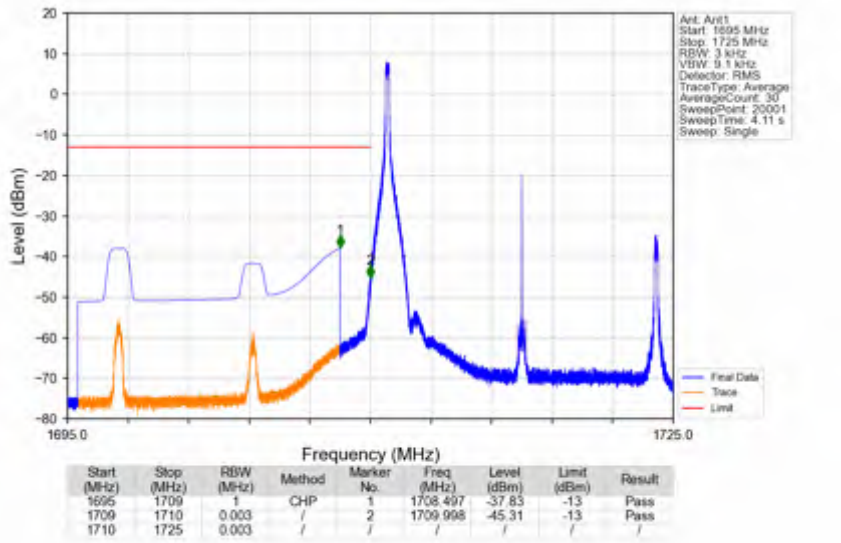
## 5.5 B66_15MHz

### 5.5.1 Test Result

| Band: 66 / Bandwidth: 15MHz / NTNV | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Spurious Emission | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 1717.5 | 1 | 0 | Refer To Test Graph | | Pass |
| | | 75 | 0 | Refer To Test Graph | | Pass |
| | 1745 | 1 | 0 | Refer To Test Graph | | Pass |
| | 1772.5 | 1 | 0 | Refer To Test Graph | | Pass |
| | | | 74 | Refer To Test Graph | | Pass |
| | | 75 | 0 | Refer To Test Graph | | Pass |
| 16QAM | 1717.5 | 1 | 0 | Refer To Test Graph | | Pass |
| | | 75 | 0 | Refer To Test Graph | | Pass |
| | 1745 | 1 | 0 | Refer To Test Graph | | Pass |
| | 1772.5 | 1 | 0 | Refer To Test Graph | | Pass |
| | | | 74 | Refer To Test Graph | | Pass |
| | | 75 | 0 | Refer To Test Graph | | Pass |
| 64QAM | 1717.5 | 1 | 0 | Refer To Test Graph | | Pass |
| | | 75 | 0 | Refer To Test Graph | | Pass |
| | 1745 | 1 | 0 | Refer To Test Graph | | Pass |
| | 1772.5 | 1 | 0 | Refer To Test Graph | | Pass |
| | | | 74 | Refer To Test Graph | | Pass |
| | | 75 | 0 | Refer To Test Graph | | Pass |

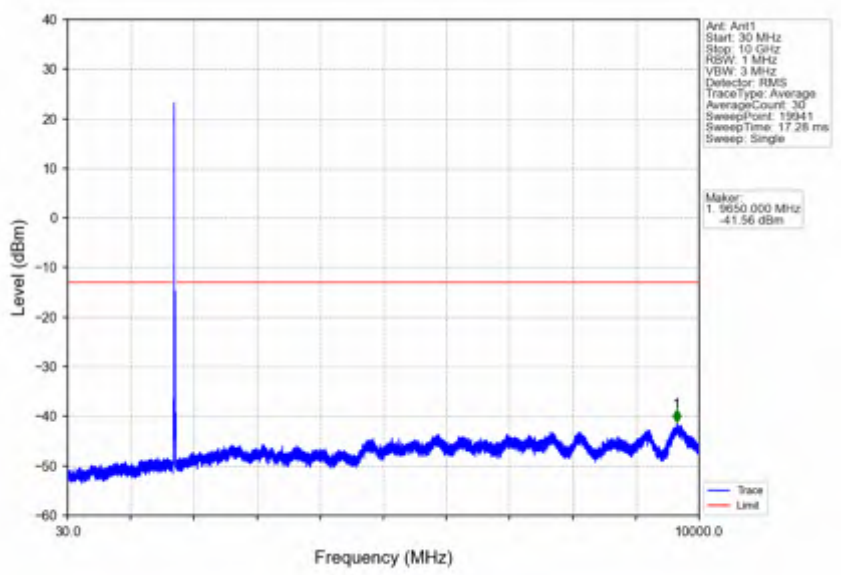
5.5.2 Test Graph

Band66_15MHz_QPSK_LCH_1717.5MHz_RB_1_0_NTNV

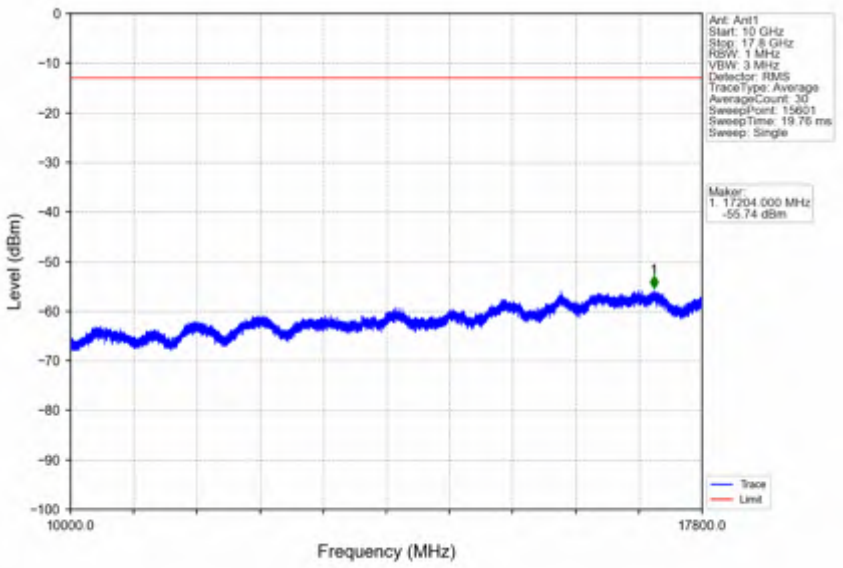



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1695 | 1709 | 1 | CHP | 1 | 1708.497 | -37.83 | -13 | Pass |
| 1709 | 1710 | 0.003 | / | 2 | 1709.998 | -45.31 | -13 | Pass |
| 1710 | 1725 | 0.003 | / | / | / | / | / | / |

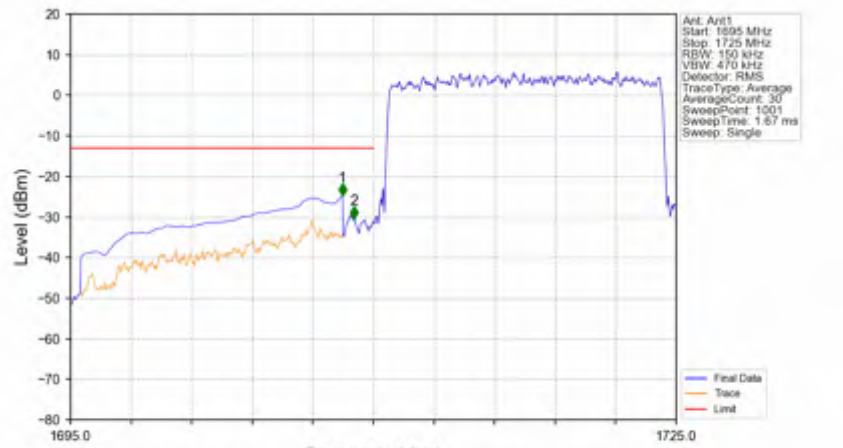
Band66_15MHz_QPSK_LCH_1717.5MHz_RB_1_0_NTNV



Band66_15MHz_QPSK_LCH_1717.5MHz_RB_1_0_NTNV

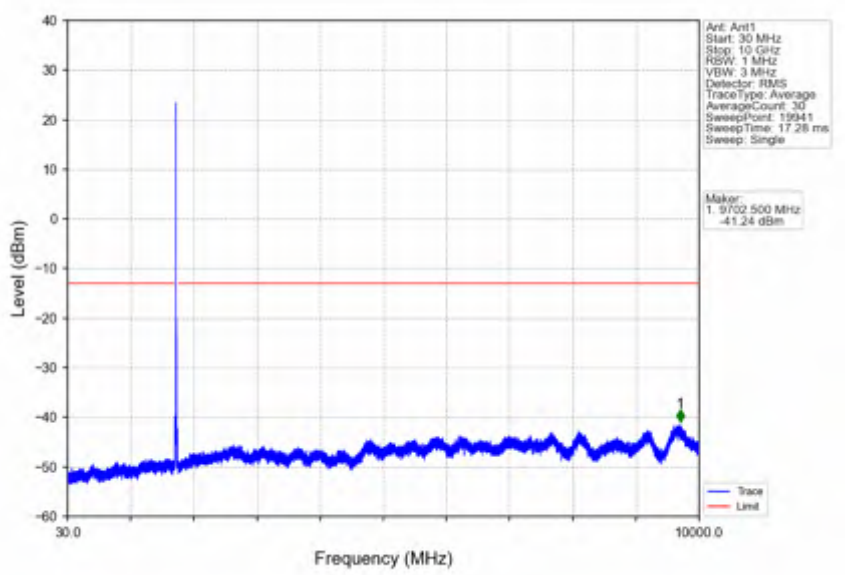



Band66_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV

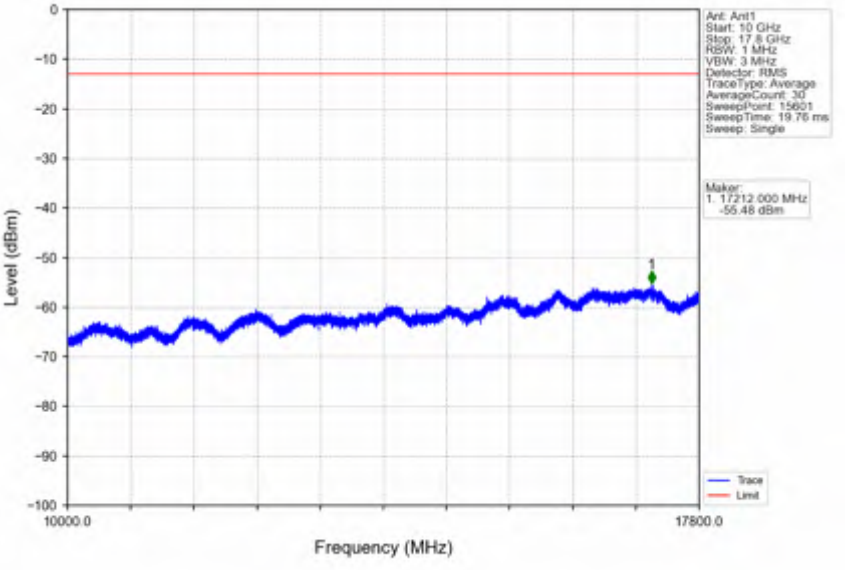



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1695 | 1709 | 1 | CHP | 1 | 1708.470 | -24.72 | -13 | Pass |
| 1709 | 1710 | 0.15 | / | 2 | 1709.040 | -30.38 | -13 | Pass |
| 1710 | 1725 | 0.15 | / | / | / | / | / | / |

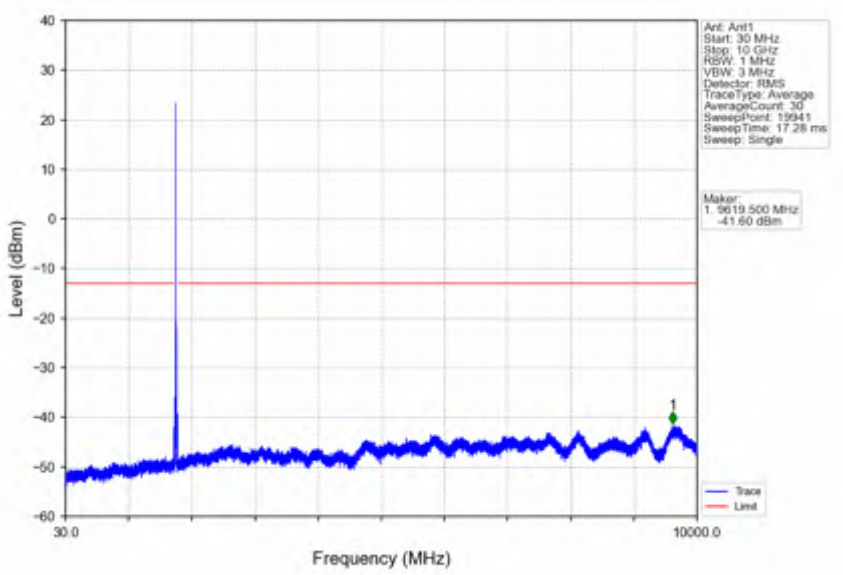
Band66_15MHz_QPSK_MCH_1745MHz_RB_1_0_NTNV



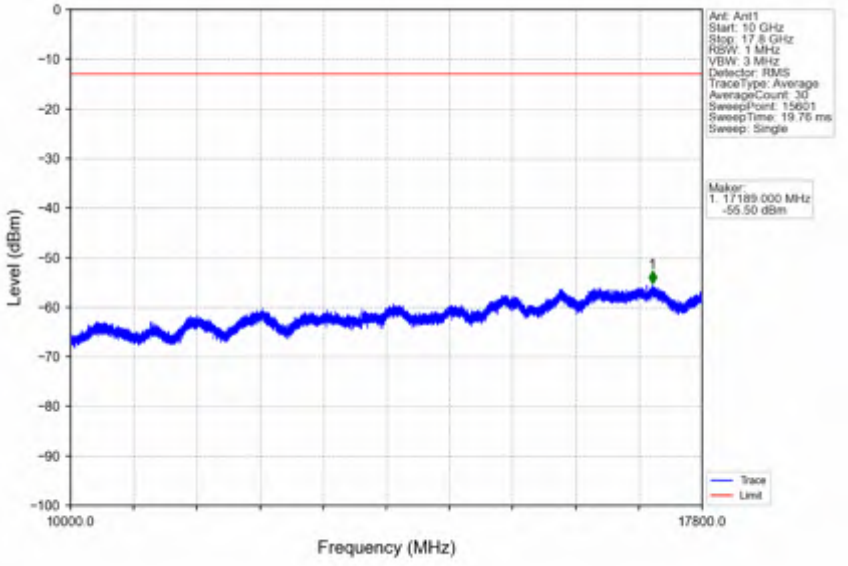

Band66_15MHz_QPSK_MCH_1745MHz_RB_1_0_NTNV



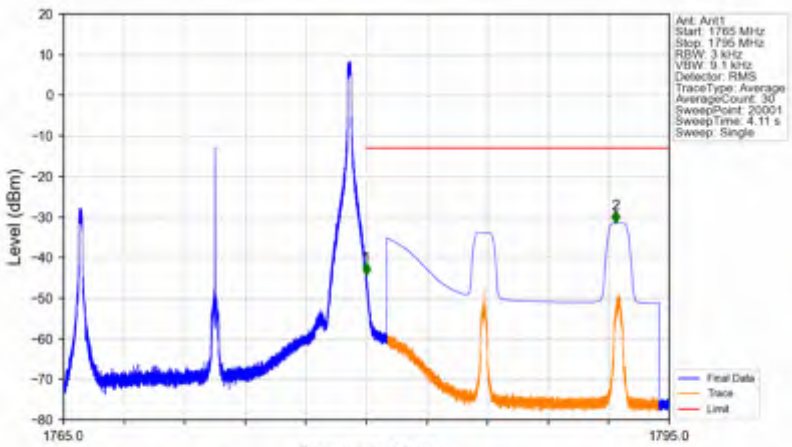
Band66_15MHz_QPSK_HCH_1772.5MHz_RB_1_0_NTNV




Band66_15MHz_QPSK_HCH_1772.5MHz_RB_1_0_NTNV

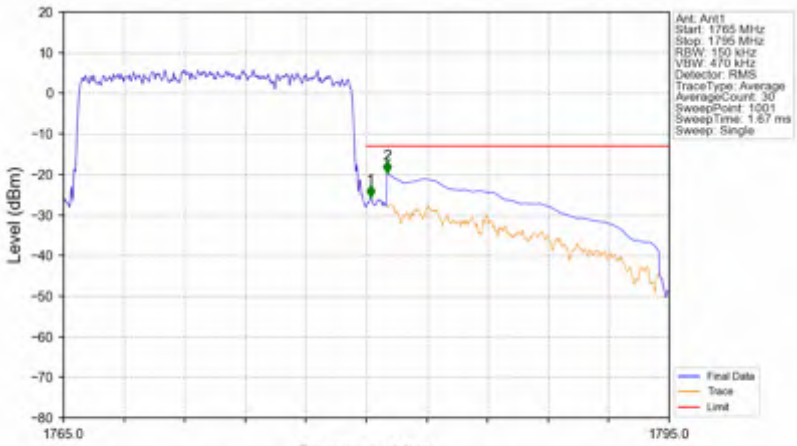


Band66_15MHz_QPSK_HCH_1772.5MHz_RB_1_74_NTNV



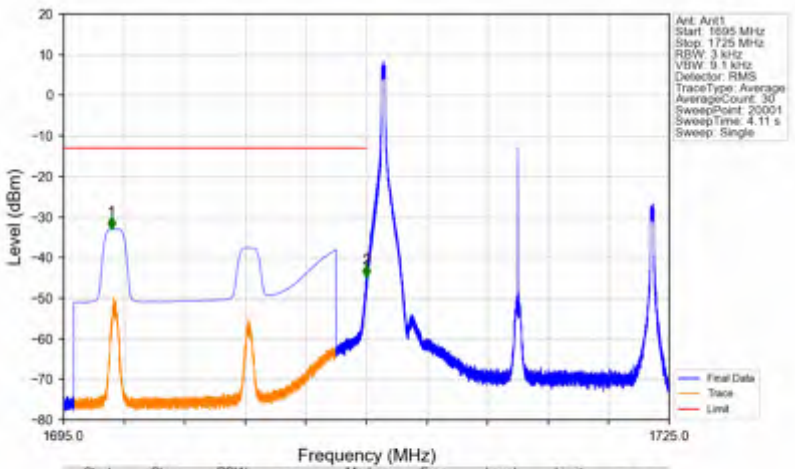

| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1765 | 1780 | 0.003 | / | / | / | / | / | / |
| 1780 | 1781 | 0.003 | / | 1 | 1780.002 | -44.39 | -13 | Pass |
| 1781 | 1795 | 1 | CHP | 2 | 1792.350 | -31.47 | -13 | Pass |

Band66_15MHz_QPSK_HCH_1772.5MHz_RB_75_0_NTNV



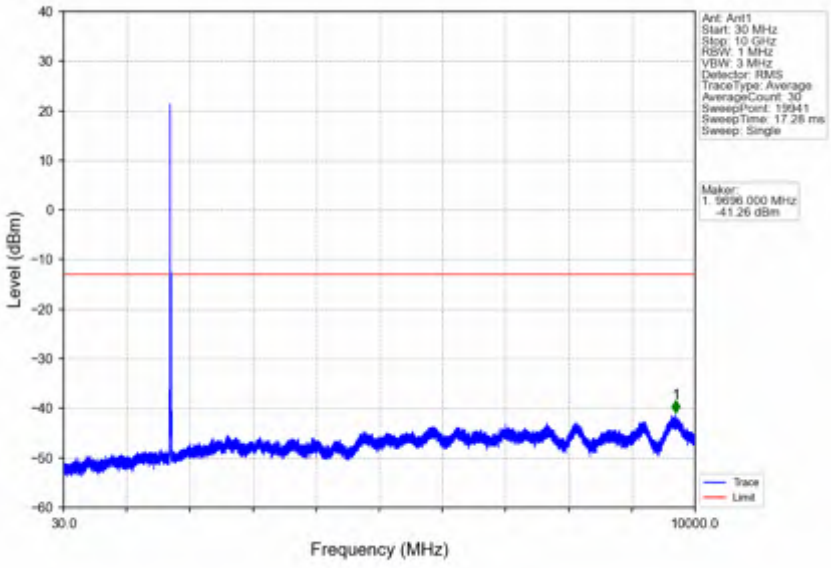

| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1765 | 1780 | 0.15 | / | / | / | / | / | / |
| 1780 | 1781 | 0.15 | / | 1 | 1780.210 | -25.73 | -13 | Pass |
| 1781 | 1795 | 1 | CHP | 2 | 1781.020 | -19.63 | -13 | Pass |

Band66_15MHz_16QAM_LCH_1717.5MHz_RB_1_0_NTNV

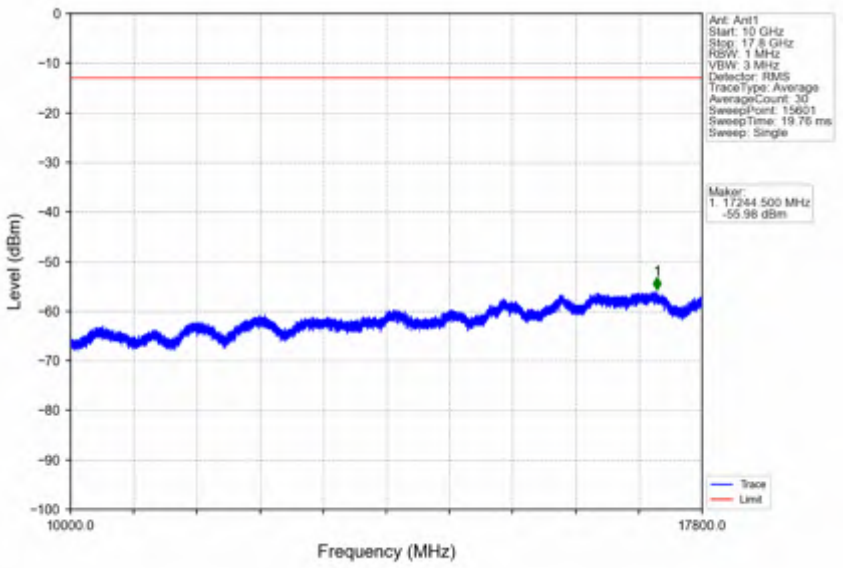



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1695 | 1709 | 1 | CHP | 1 | 1697.373 | -33.03 | -13 | Pass |
| 1709 | 1710 | 0.003 | / | 2 | 1709.997 | -44.88 | -13 | Pass |
| 1710 | 1725 | 0.003 | / | / | / | / | / | / |

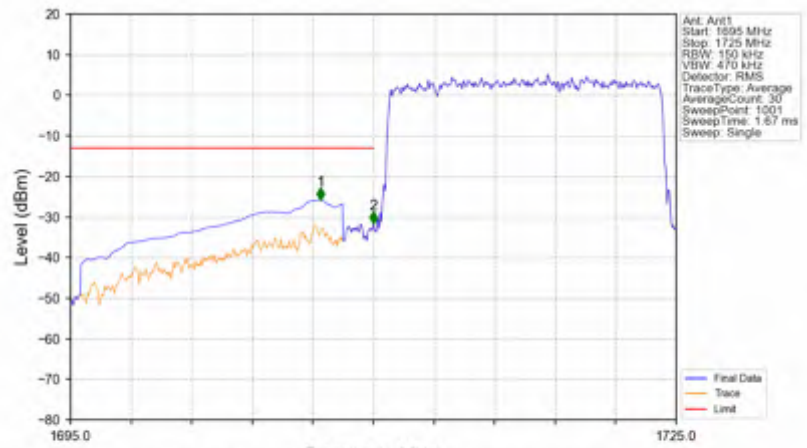
Band66_15MHz_16QAM_LCH_1717.5MHz_RB_1_0_NTNV



Band66_15MHz_16QAM_LCH_1717.5MHz_RB_1_0_NTNV

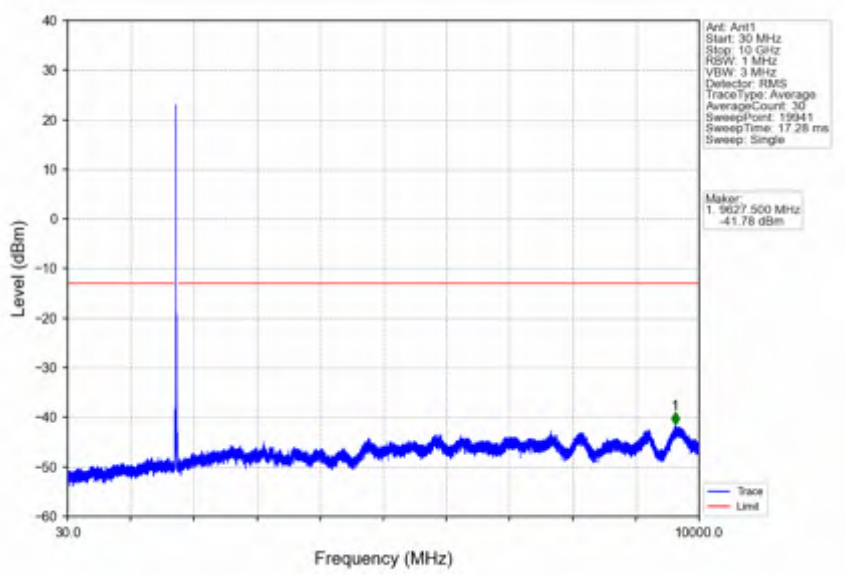



Band66_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV

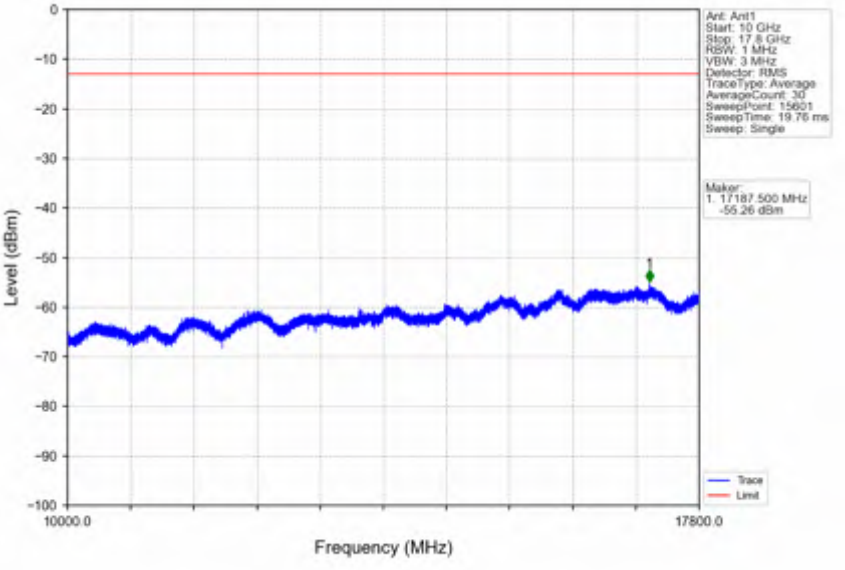



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1695 | 1709 | 1 | CHP | 1 | 1707.390 | -25.78 | -13 | Pass |
| 1709 | 1710 | 0.15 | / | 2 | 1710.000 | -31.61 | -13 | Pass |
| 1710 | 1725 | 0.15 | / | / | / | / | / | / |

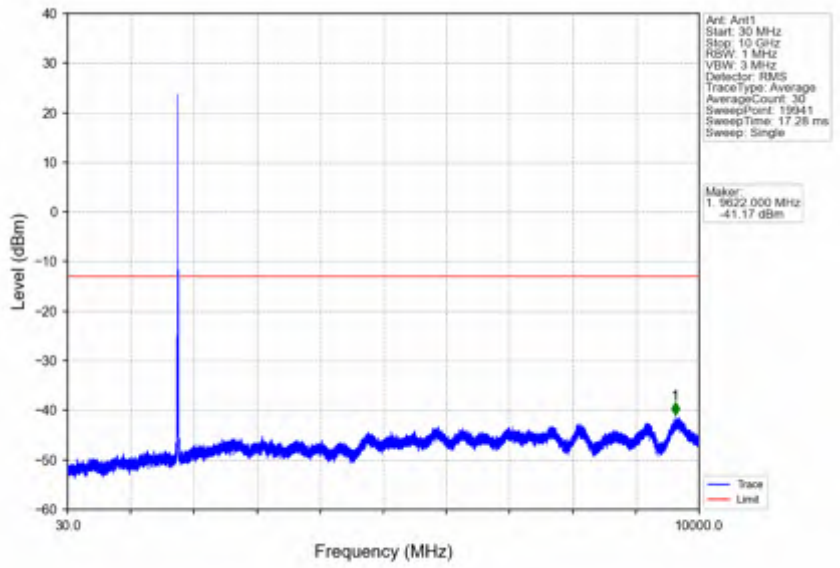
Band66_15MHz_16QAM_MCH_1745MHz_RB_1_0_NTNV



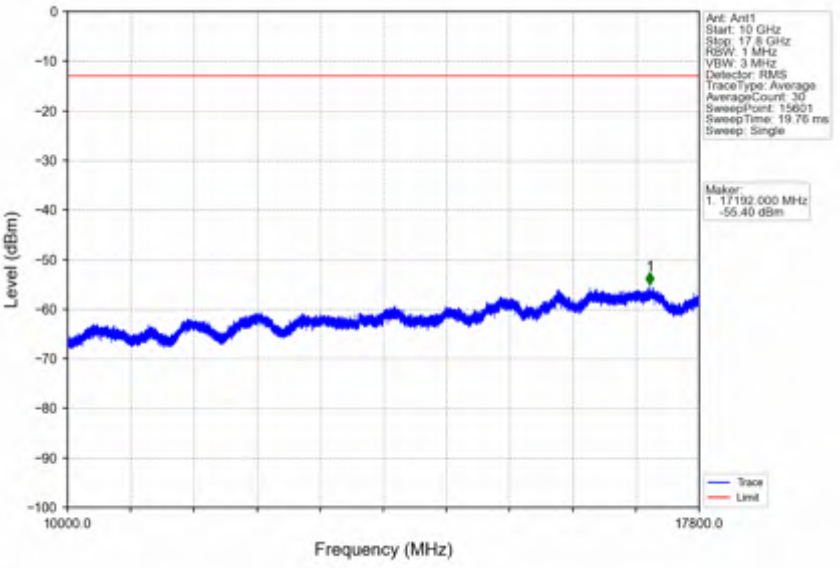

Band66_15MHz_16QAM_MCH_1745MHz_RB_1_0_NTNV



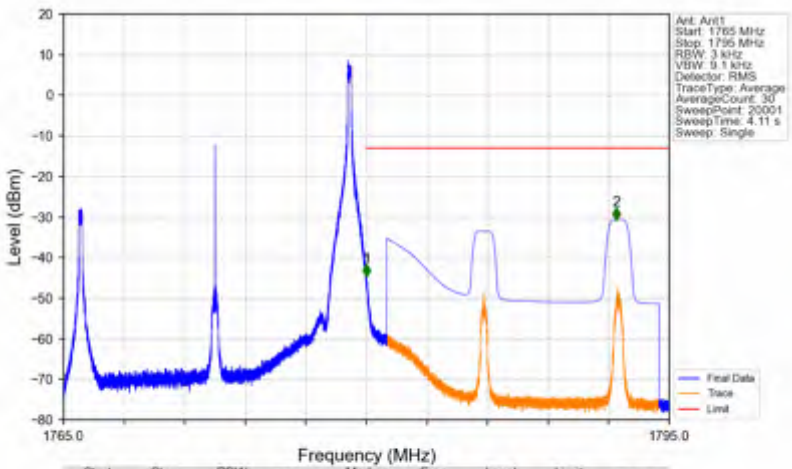
Band66_15MHz_16QAM_HCH_1772.5MHz_RB_1_0_NTNV




Band66_15MHz_16QAM_HCH_1772.5MHz_RB_1_0_NTNV

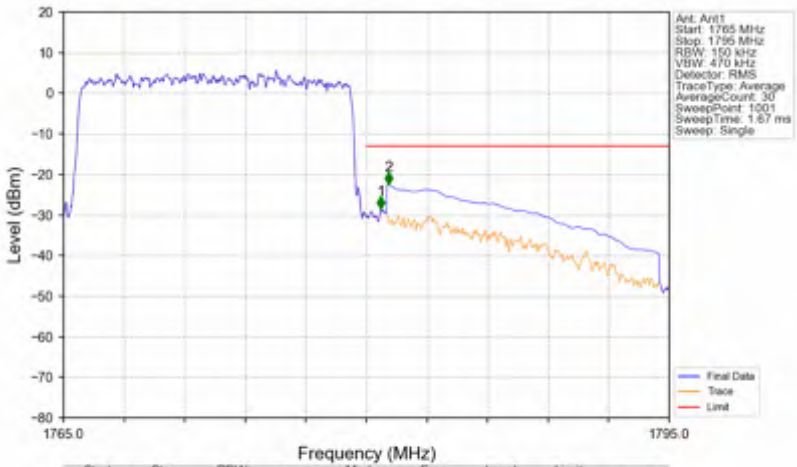


Band66_15MHz_16QAM_HCH_1772.5MHz_RB_1_74_NTNV



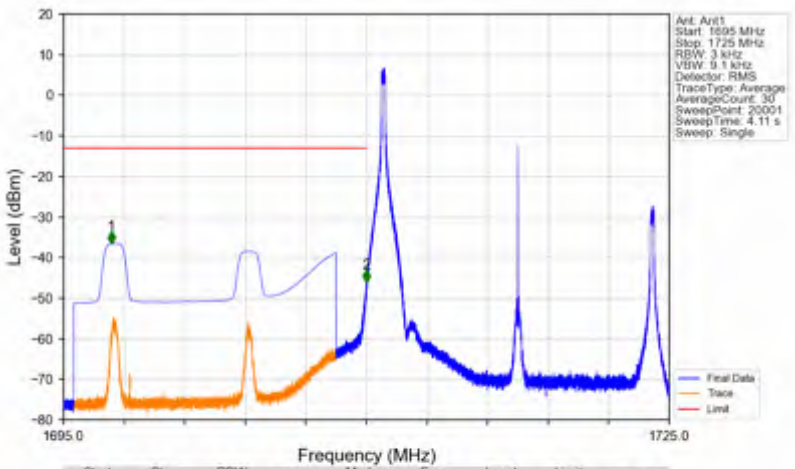

| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1765 | 1780 | 0.003 | / | / | / | / | / | / |
| 1780 | 1781 | 0.003 | / | 1 | 1780.003 | -44.65 | -13 | Pass |
| 1781 | 1795 | 1 | CHP | 2 | 1792.391 | -30.70 | -13 | Pass |

Band66_15MHz_16QAM_HCH_1772.5MHz_RB_75_0_NTNV



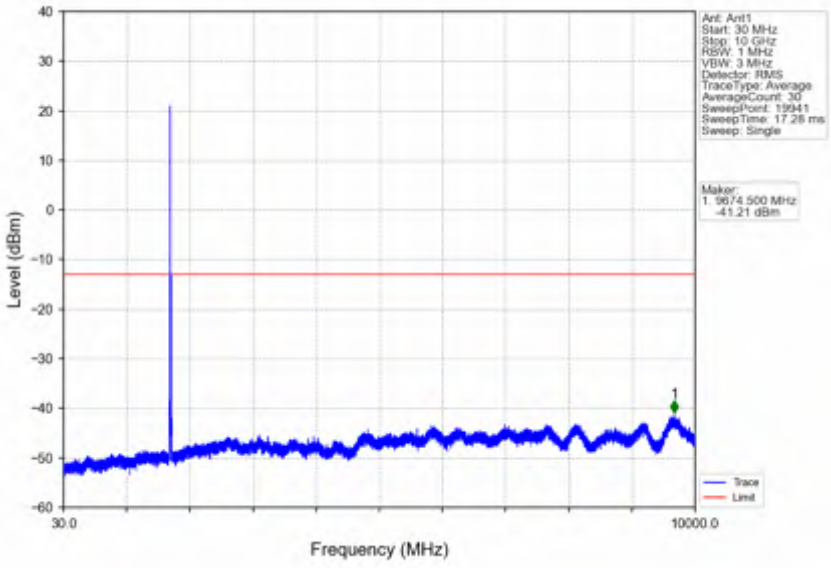

| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1765 | 1780 | 0.15 | / | / | / | / | / | / |
| 1780 | 1781 | 0.15 | / | 1 | 1780.720 | -28.48 | -13 | Pass |
| 1781 | 1795 | 1 | CHP | 2 | 1781.110 | -22.56 | -13 | Pass |

Band66_15MHz_64QAM_LCH_1717.5MHz_RB_1_0_NTNV

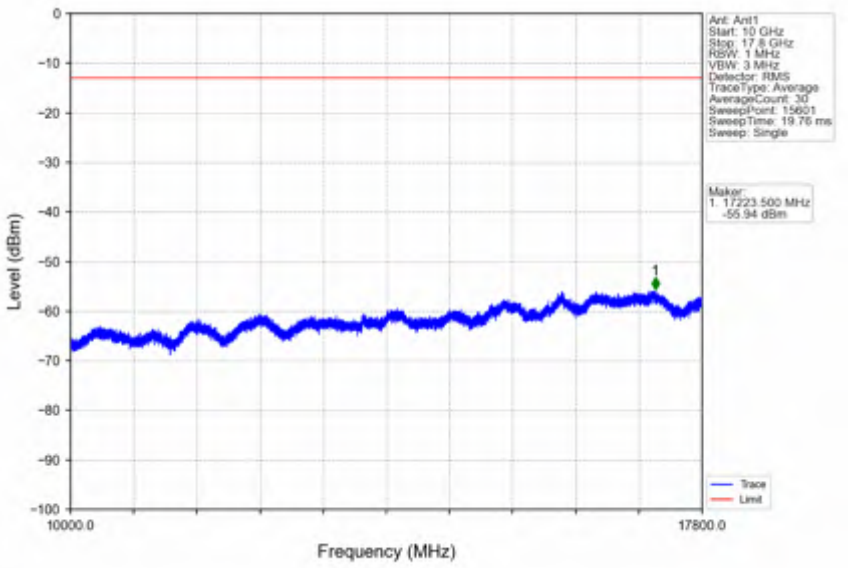



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1695 | 1709 | 1 | CHP | 1 | 1697.367 | -36.61 | -13 | Pass |
| 1709 | 1710 | 0.003 | / | 2 | 1709.997 | -46.11 | -13 | Pass |
| 1710 | 1725 | 0.003 | / | / | / | / | / | / |

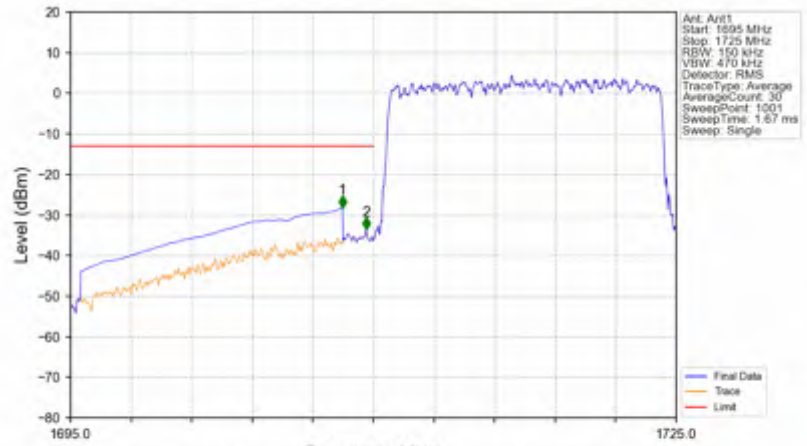
Band66_15MHz_64QAM_LCH_1717.5MHz_RB_1_0_NTNV



Band66_15MHz_64QAM_LCH_1717.5MHz_RB_1_0_NTNV

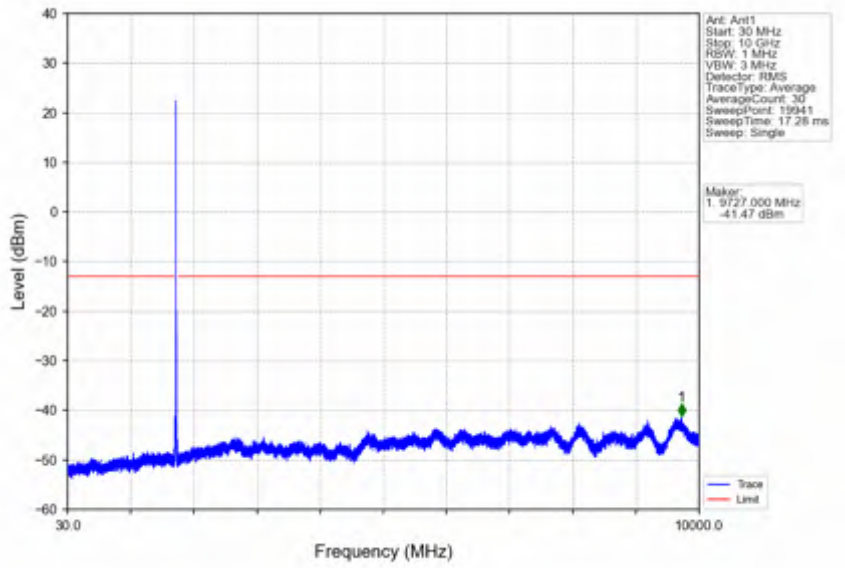



Band66_15MHz_64QAM_LCH_1717.5MHz_RB_75_0_NTNV

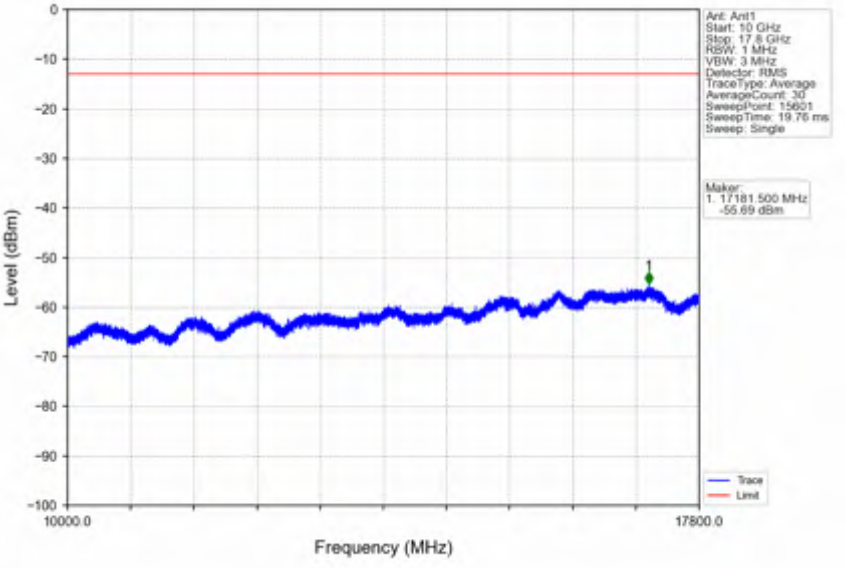



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1695 | 1709 | 1 | CHP | 1 | 1708.470 | -28.26 | -13 | Pass |
| 1709 | 1710 | 0.15 | / | 2 | 1709.640 | -33.64 | -13 | Pass |
| 1710 | 1725 | 0.15 | / | / | / | / | / | / |

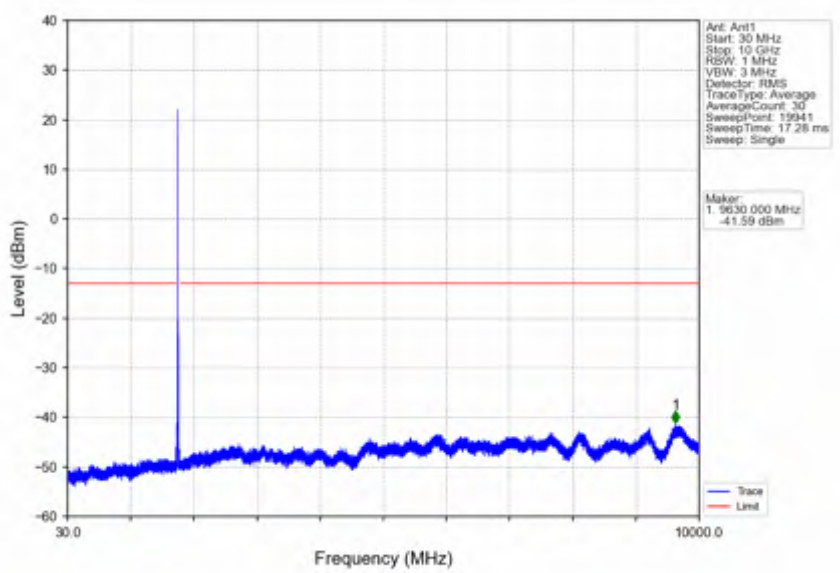
Band66_15MHz_64QAM_MCH_1745MHz_RB_1_0_NTNV



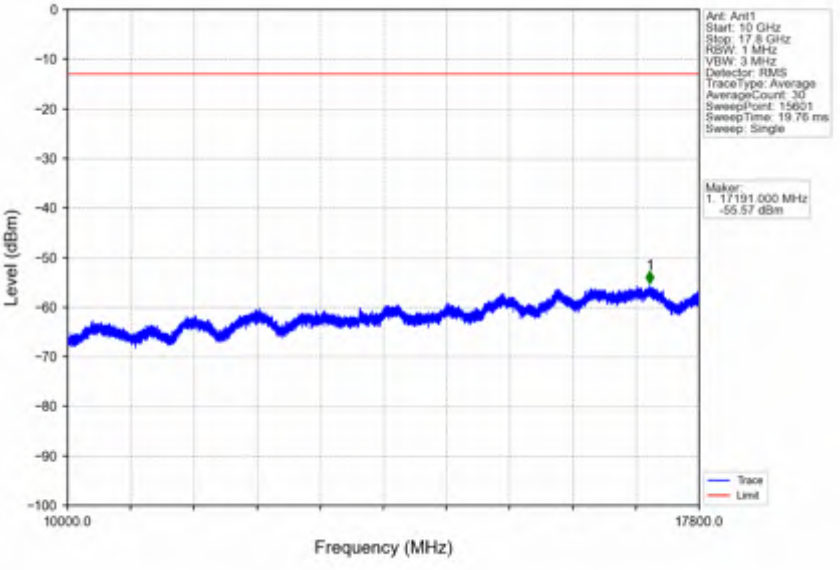

Band66_15MHz_64QAM_MCH_1745MHz_RB_1_0_NTNV



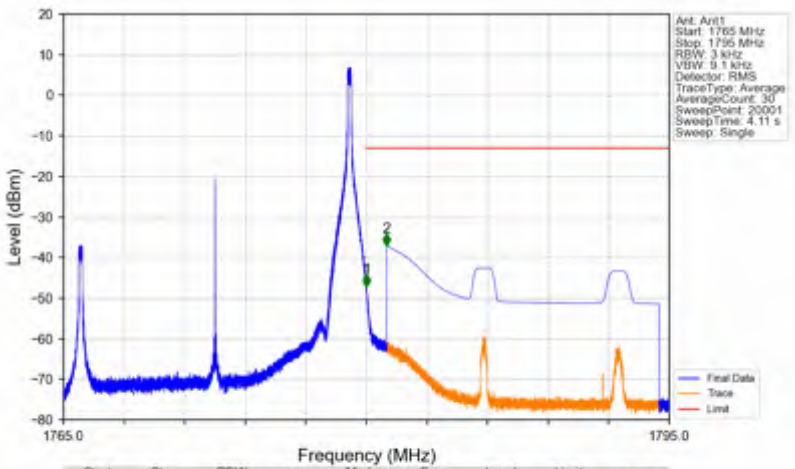
Band66_15MHz_64QAM_HCH_1772.5MHz_RB_1_0_NTNV




Band66_15MHz_64QAM_HCH_1772.5MHz_RB_1_0_NTNV

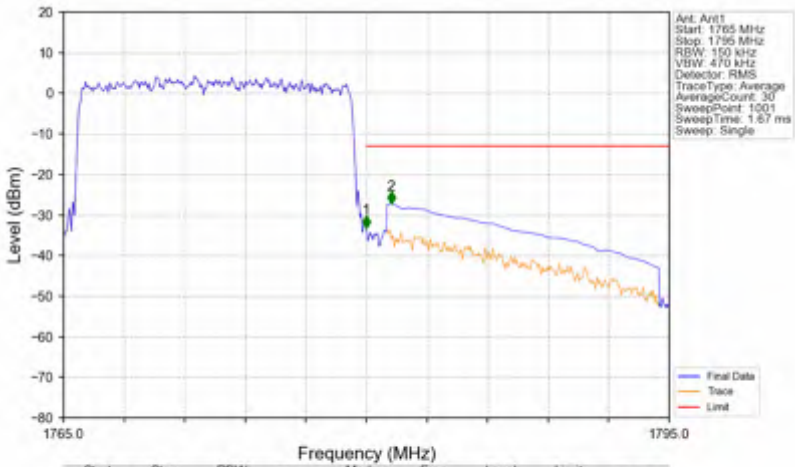


Band66_15MHz_64QAM_HCH_1772.5MHz_RB_1_74_NTNV




| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1765 | 1780 | 0.003 | / | / | / | / | / | / |
| 1780 | 1781 | 0.003 | / | 1 | 1780.005 | -47.26 | -13 | Pass |
| 1781 | 1795 | 1 | CHP | 2 | 1781.001 | -37.12 | -13 | Pass |

Band66_15MHz_64QAM_HCH_1772.5MHz_RB_75_0_NTNV




| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1765 | 1780 | 0.15 | / | / | / | / | / | / |
| 1780 | 1781 | 0.15 | / | 1 | 1780.000 | -33.19 | -13 | Pass |
| 1781 | 1795 | 1 | CHP | 2 | 1781.230 | -27.22 | -13 | Pass |

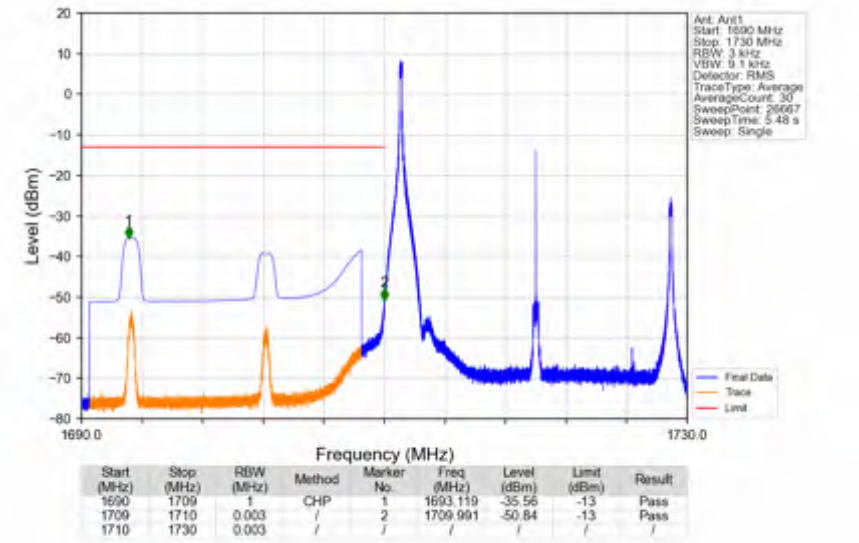
## 5.6 B66_20MHz

### 5.6.1 Test Result

| Band: 66 / Bandwidth: 20MHz / NTNV | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Spurious Emission | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 1720 | 1 | 0 | Refer To Test Graph | | Pass |
| | | 100 | 0 | Refer To Test Graph | | Pass |
| | 1745 | 1 | 0 | Refer To Test Graph | | Pass |
| | 1770 | 1 | 0 | Refer To Test Graph | | Pass |
| | | | 99 | Refer To Test Graph | | Pass |
| | | 100 | 0 | Refer To Test Graph | | Pass |
| 16QAM | 1720 | 1 | 0 | Refer To Test Graph | | Pass |
| | | 100 | 0 | Refer To Test Graph | | Pass |
| | 1745 | 1 | 0 | Refer To Test Graph | | Pass |
| | 1770 | 1 | 0 | Refer To Test Graph | | Pass |
| | | | 99 | Refer To Test Graph | | Pass |
| | | 100 | 0 | Refer To Test Graph | | Pass |
| 64QAM | 1720 | 1 | 0 | Refer To Test Graph | | Pass |
| | | 100 | 0 | Refer To Test Graph | | Pass |
| | 1745 | 1 | 0 | Refer To Test Graph | | Pass |
| | 1770 | 1 | 0 | Refer To Test Graph | | Pass |
| | | | 99 | Refer To Test Graph | | Pass |
| | | 100 | 0 | Refer To Test Graph | | Pass |

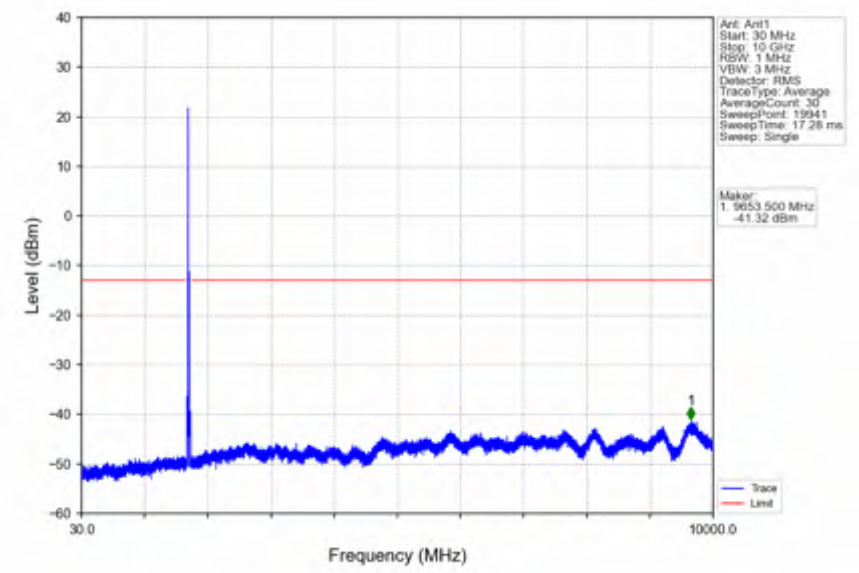
5.6.2 Test Graph

Band66_20MHz_QPSK_LCH_1720MHz_RB_1_0_NTNV

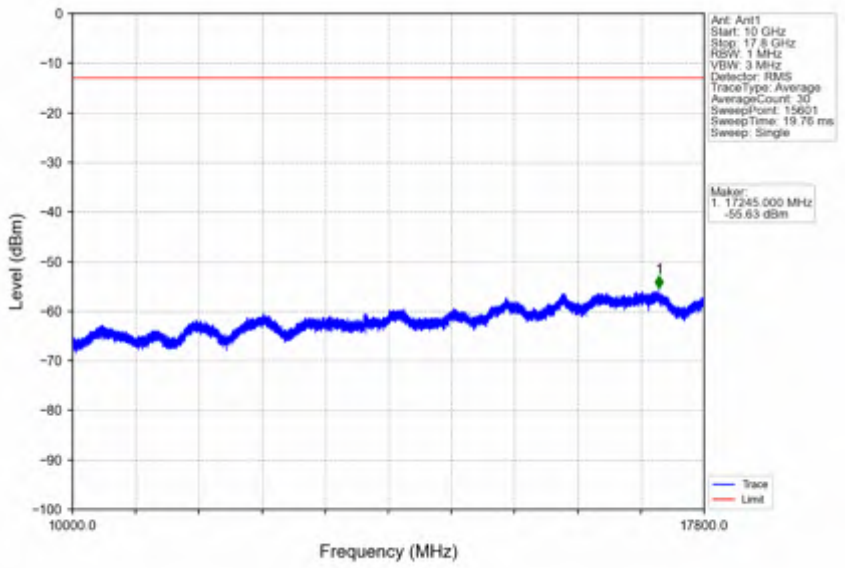



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1690 | 1709 | 1 | CHP | 1 | 1693.119 | -35.56 | -13 | Pass |
| 1709 | 1710 | 0.003 | / | 2 | 1709.991 | -50.84 | -13 | Pass |
| 1710 | 1730 | 0.003 | / | / | / | / | / | / |

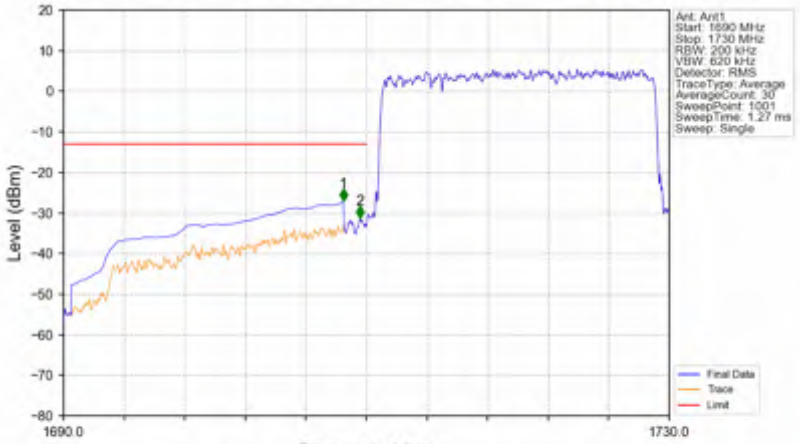
Band66_20MHz_QPSK_LCH_1720MHz_RB_1_0_NTNV



Band66_20MHz_QPSK_LCH_1720MHz_RB_1_0_NTNV

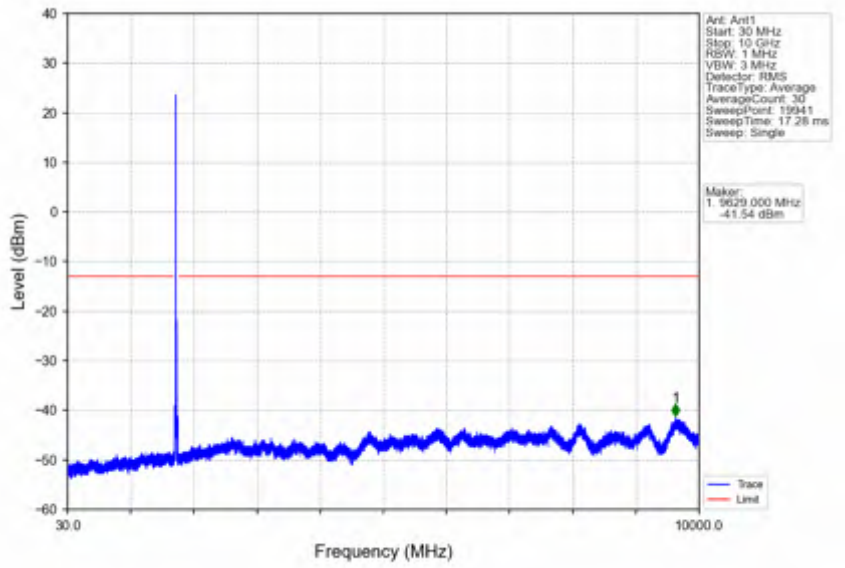



Band66_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV

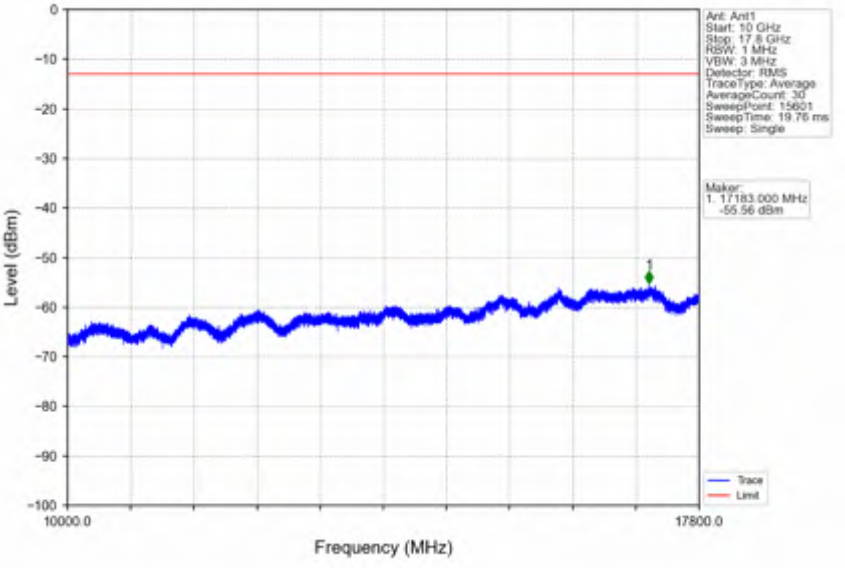



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1690 | 1709 | 1 | CHP | 1 | 1708.480 | -27.06 | -13 | Pass |
| 1709 | 1710 | 0.2 | / | 2 | 1709.560 | -31.31 | -13 | Pass |
| 1710 | 1730 | 0.2 | / | / | / | / | / | / |

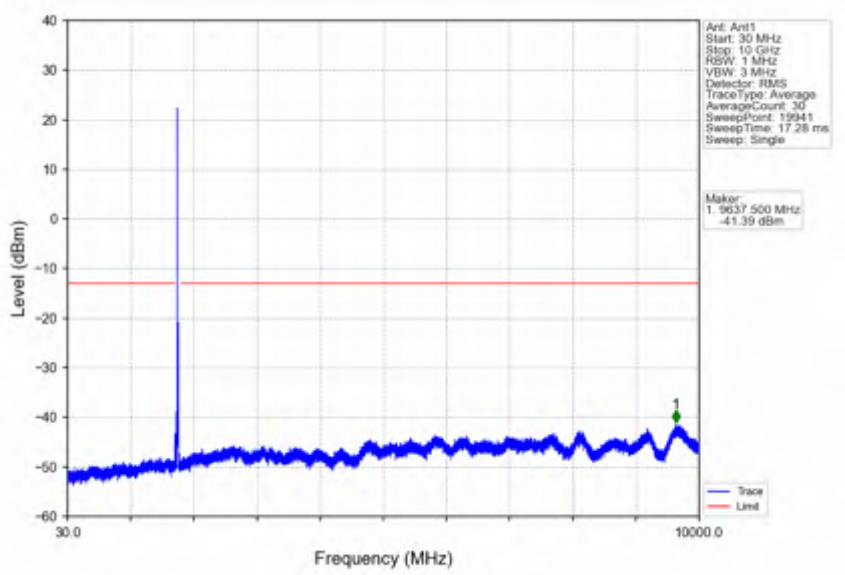
Band66_20MHz_QPSK_MCH_1745MHz_RB_1_0_NTNV



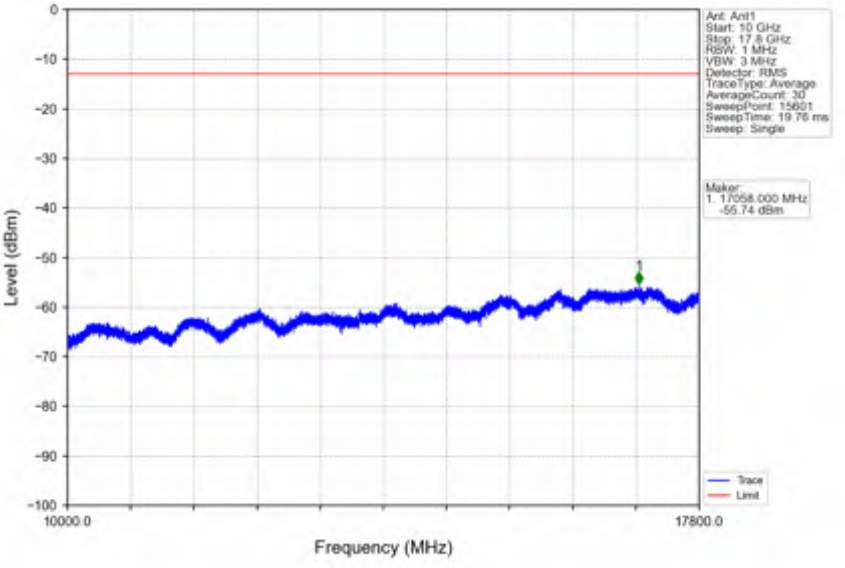

Band66_20MHz_QPSK_MCH_1745MHz_RB_1_0_NTNV



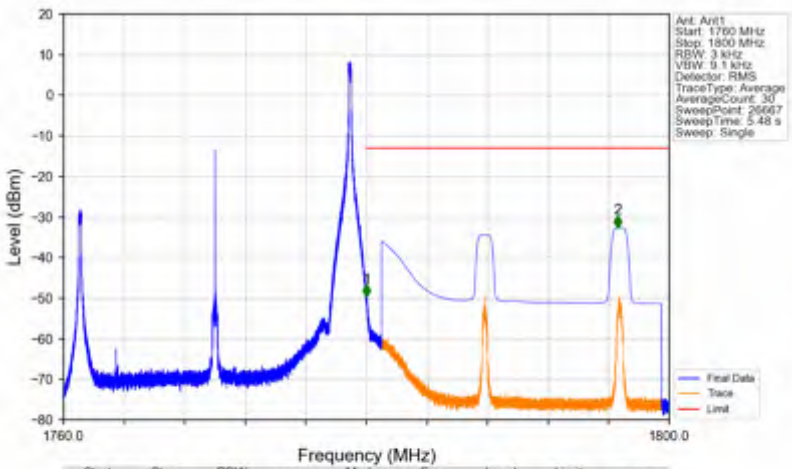
Band66_20MHz_QPSK_HCH_1770MHz_RB_1_0_NTNV




Band66_20MHz_QPSK_HCH_1770MHz_RB_1_0_NTNV

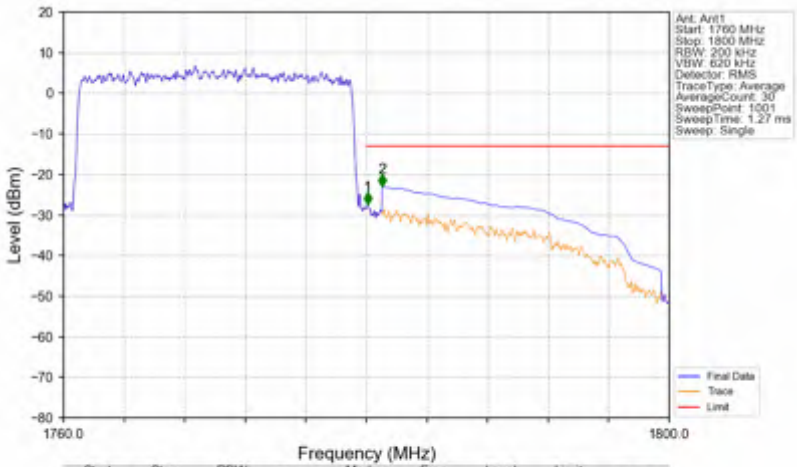


Band66_20MHz_QPSK_HCH_1770MHz_RB_1_99_NTNV



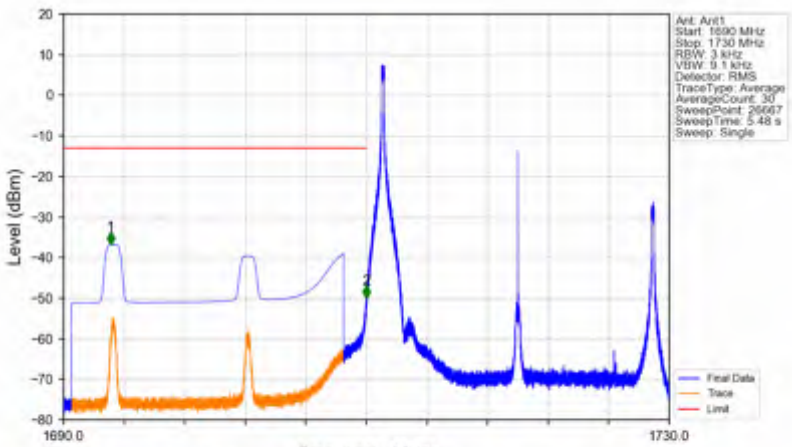

| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1760 | 1780 | 0.003 | / | / | / | / | / | / |
| 1780 | 1781 | 0.003 | / | 1 | 1780.007 | -49.62 | -13 | Pass |
| 1781 | 1800 | 1 | CHP | 2 | 1796.583 | -32.67 | -13 | Pass |

Band66_20MHz_QPSK_HCH_1770MHz_RB_100_0_NTNV



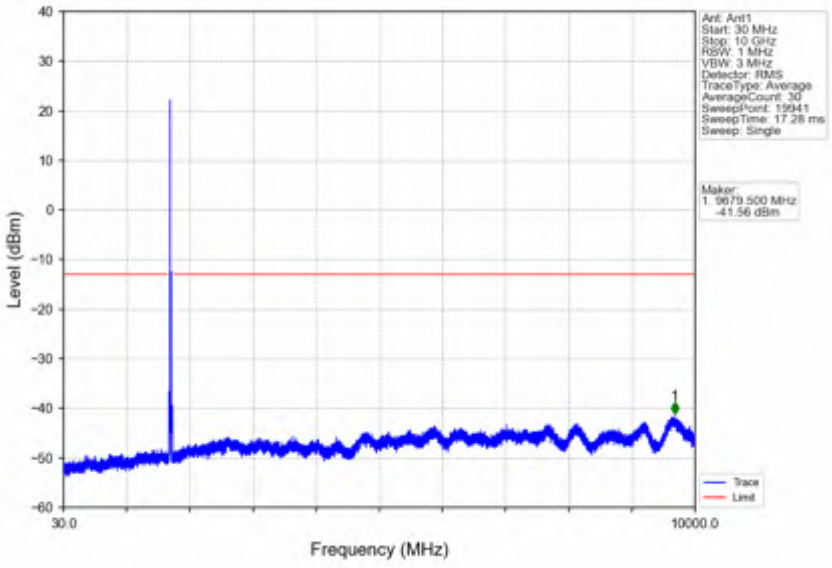

| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1760 | 1780 | 0.2 | / | / | / | / | / | / |
| 1780 | 1781 | 0.2 | / | 1 | 1780.080 | -27.41 | -13 | Pass |
| 1781 | 1800 | 1 | CHP | 2 | 1781.040 | -23.03 | -13 | Pass |

Band66_20MHz_16QAM_LCH_1720MHz_RB_1_0_NTNV

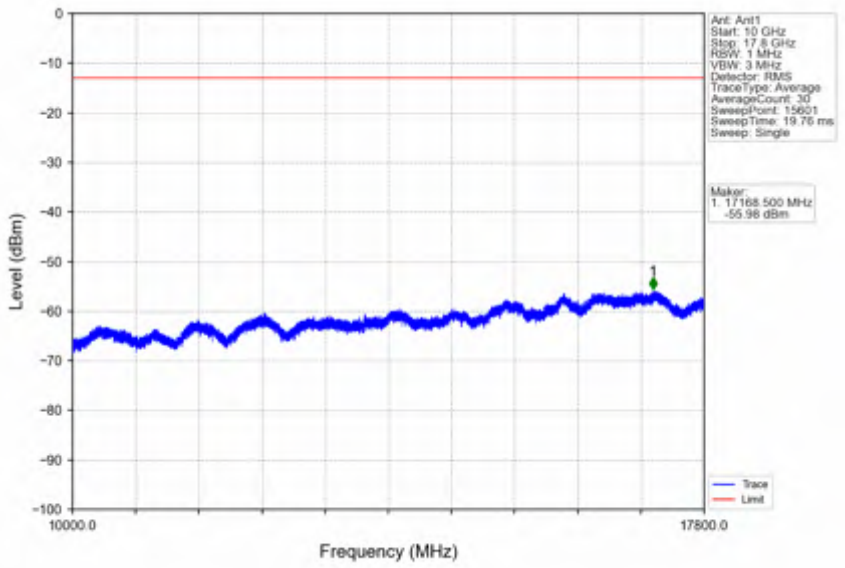



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1690 | 1709 | 1 | CHP | 1 | 1693.111 | -36.82 | -13 | Pass |
| 1709 | 1710 | 0.003 | / | 2 | 1709.994 | -50.08 | -13 | Pass |
| 1710 | 1730 | 0.003 | / | / | / | / | / | / |

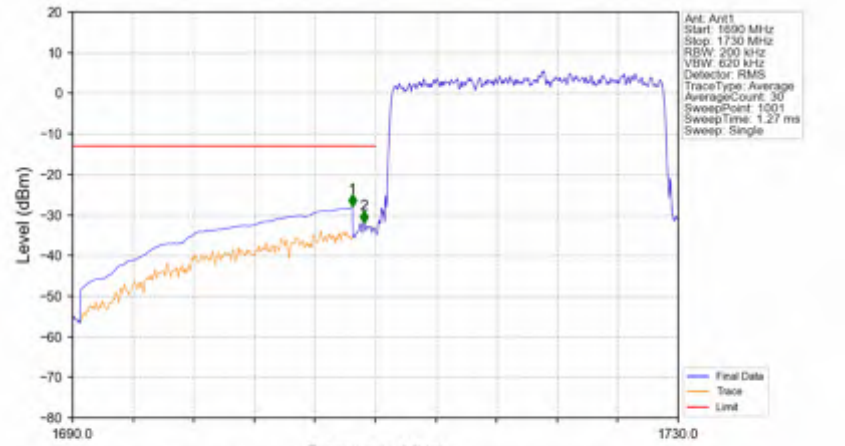
Band66_20MHz_16QAM_LCH_1720MHz_RB_1_0_NTNV



Band66_20MHz_16QAM_LCH_1720MHz_RB_1_0_NTNV

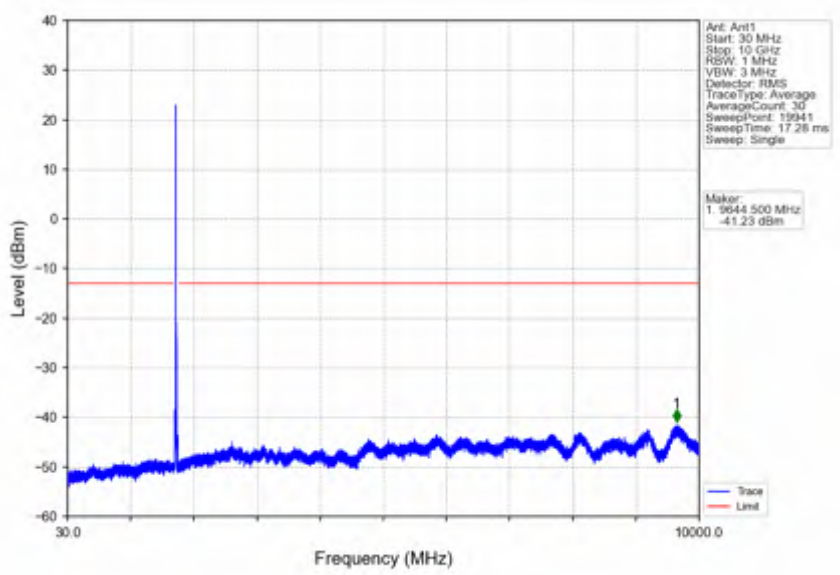



Band66_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV

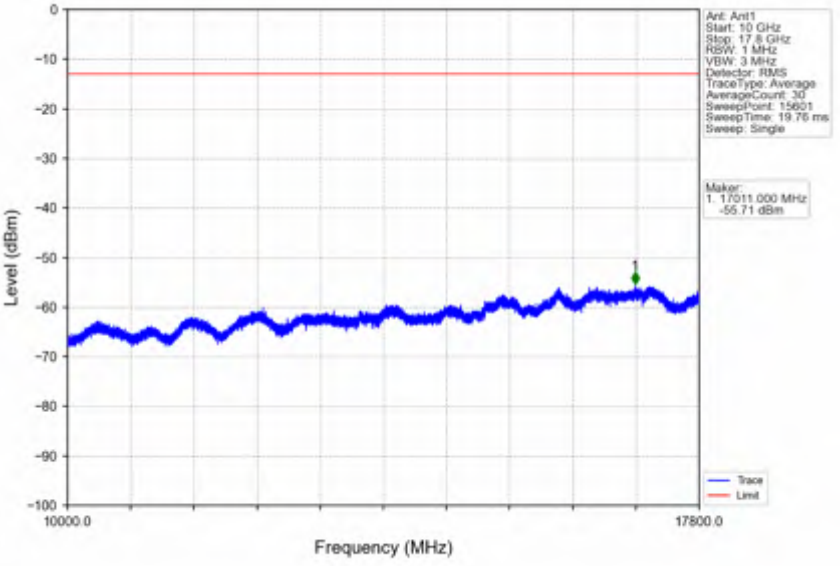



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1690 | 1709 | 1 | CHP | 1 | 1708.480 | -28.05 | -13 | Pass |
| 1709 | 1710 | 0.2 | / | 2 | 1709.240 | -32.02 | -13 | Pass |
| 1710 | 1730 | 0.2 | / | / | / | / | / | / |

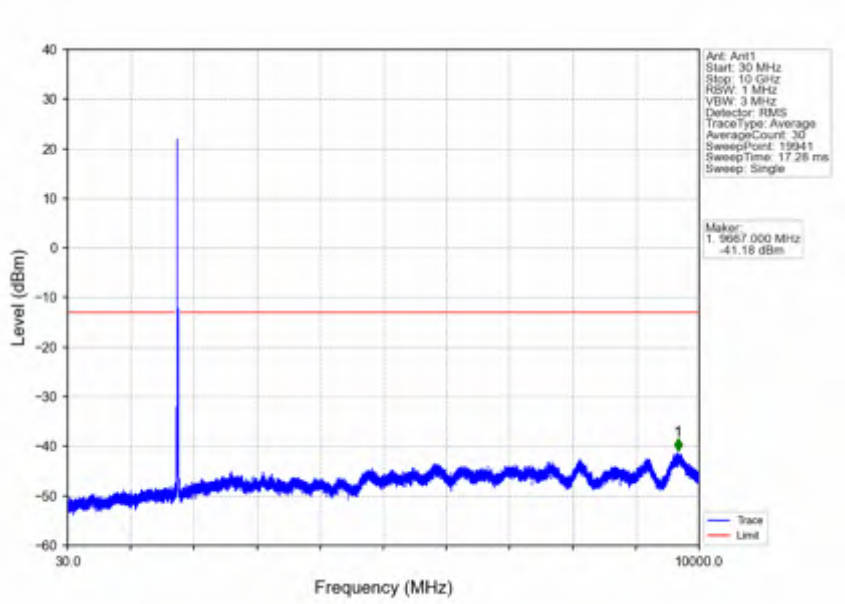
Band66_20MHz_16QAM_MCH_1745MHz_RB_1_0_NTNV



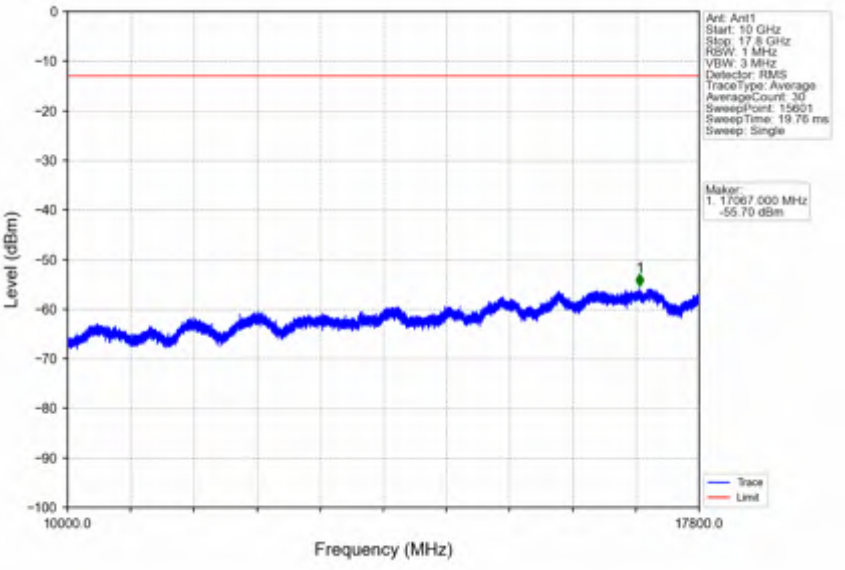

Band66_20MHz_16QAM_MCH_1745MHz_RB_1_0_NTNV



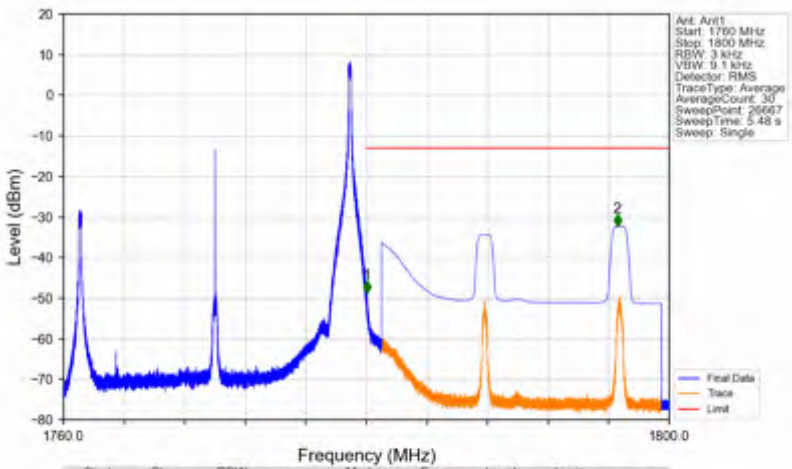
Band66_20MHz_16QAM_HCH_1770MHz_RB_1_0_NTNV




Band66_20MHz_16QAM_HCH_1770MHz_RB_1_0_NTNV

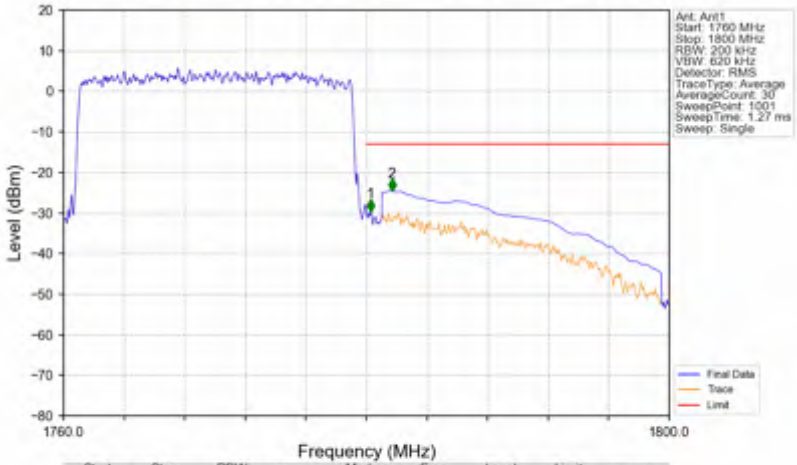


Band66_20MHz_16QAM_HCH_1770MHz_RB_1_99_NTNV



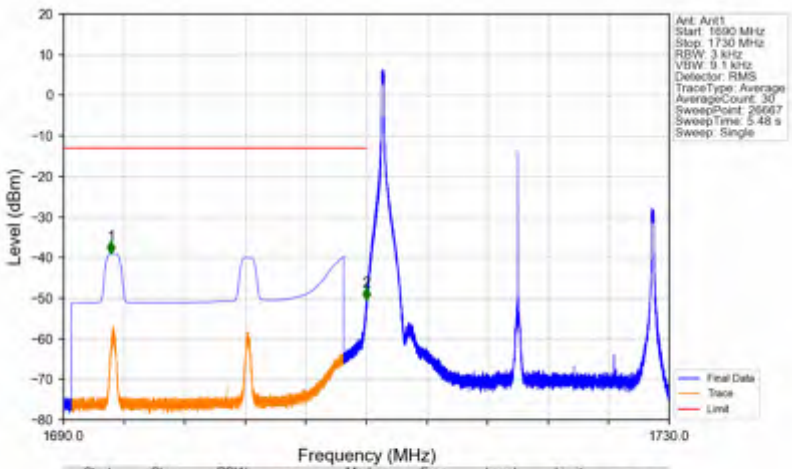

| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1760 | 1780 | 0.003 | / | / | / | / | / | / |
| 1780 | 1781 | 0.003 | / | 1 | 1780.035 | -48.71 | -13 | Pass |
| 1781 | 1800 | 1 | CHP | 2 | 1796.578 | -32.32 | -13 | Pass |

Band66_20MHz_16QAM_HCH_1770MHz_RB_100_0_NTNV



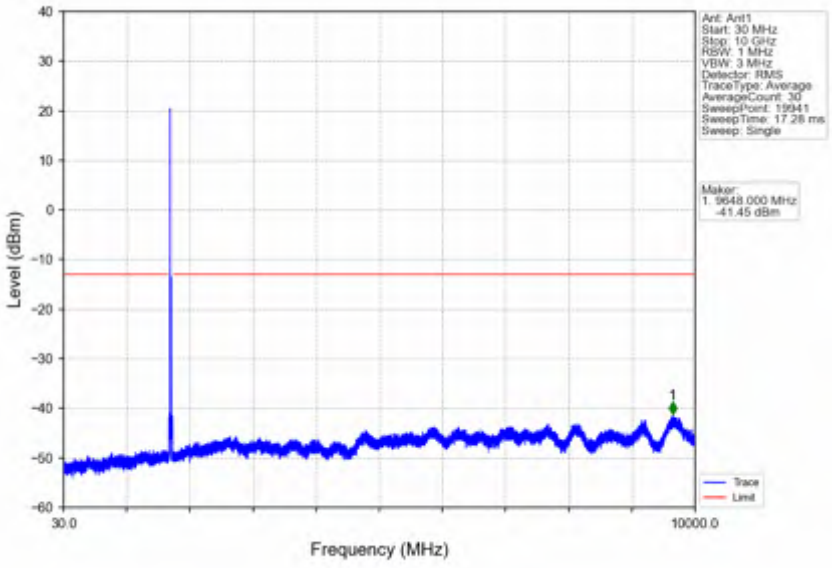

| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1760 | 1780 | 0.2 | / | / | / | / | / | / |
| 1780 | 1781 | 0.2 | / | 1 | 1780.280 | -29.68 | -13 | Pass |
| 1781 | 1800 | 1 | CHP | 2 | 1781.680 | -24.57 | -13 | Pass |

Band66_20MHz_64QAM_LCH_1720MHz_RB_1_0_NTNV

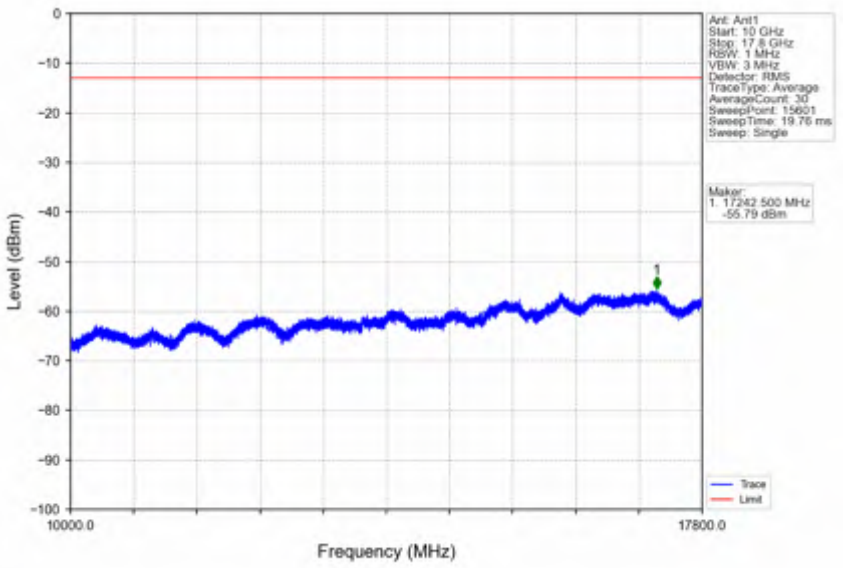



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1690 | 1709 | 1 | CHP | 1 | 1693.140 | -39.15 | -13 | Pass |
| 1709 | 1710 | 0.003 | / | 2 | 1709.993 | -50.53 | -13 | Pass |
| 1710 | 1730 | 0.003 | / | / | / | / | / | / |

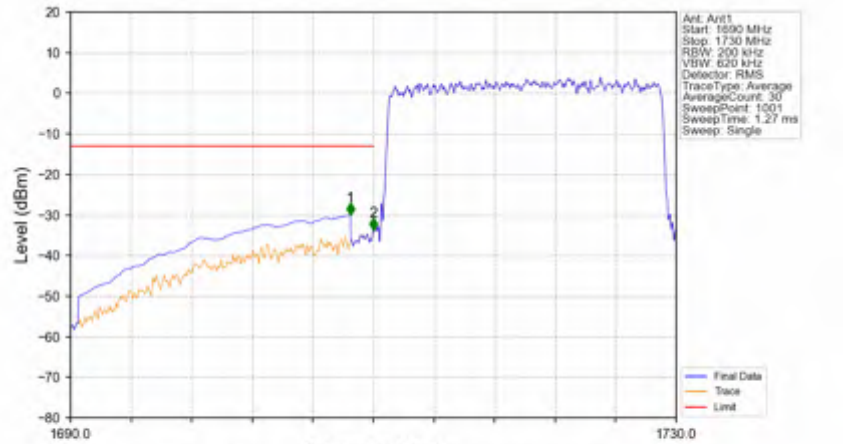
Band66_20MHz_64QAM_LCH_1720MHz_RB_1_0_NTNV



Band66_20MHz_64QAM_LCH_1720MHz_RB_1_0_NTNV

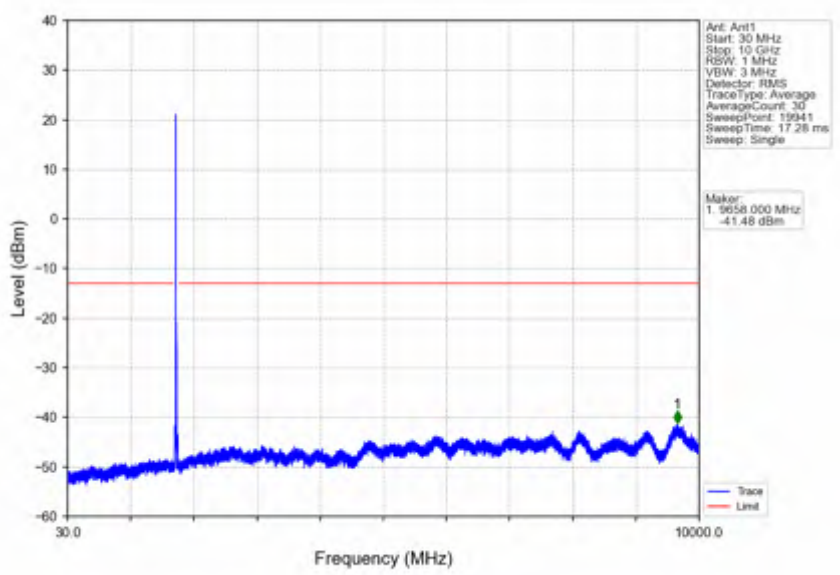



Band66_20MHz_64QAM_LCH_1720MHz_RB_100_0_NTNV

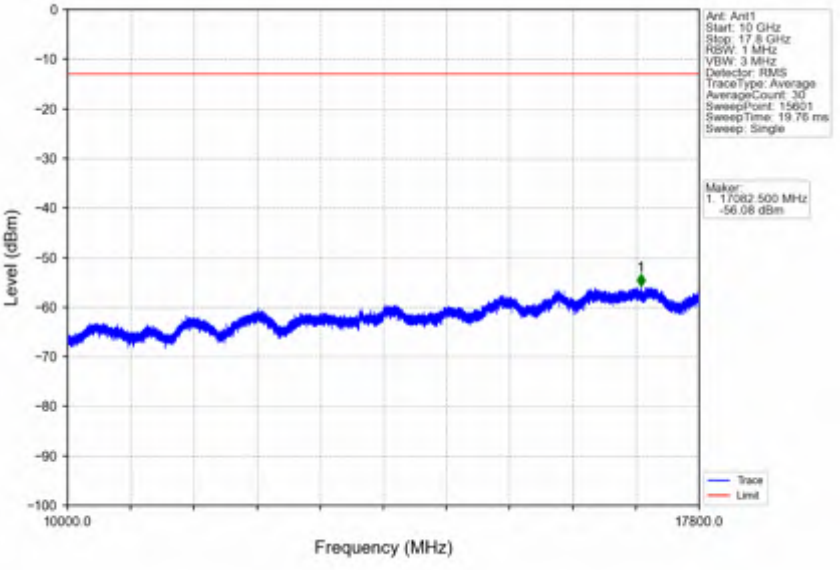



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1690 | 1709 | 1 | CHP | 1 | 1708.480 | -30.14 | -13 | Pass |
| 1709 | 1710 | 0.2 | / | 2 | 1710.000 | -33.74 | -13 | Pass |
| 1710 | 1730 | 0.2 | / | / | / | / | / | / |

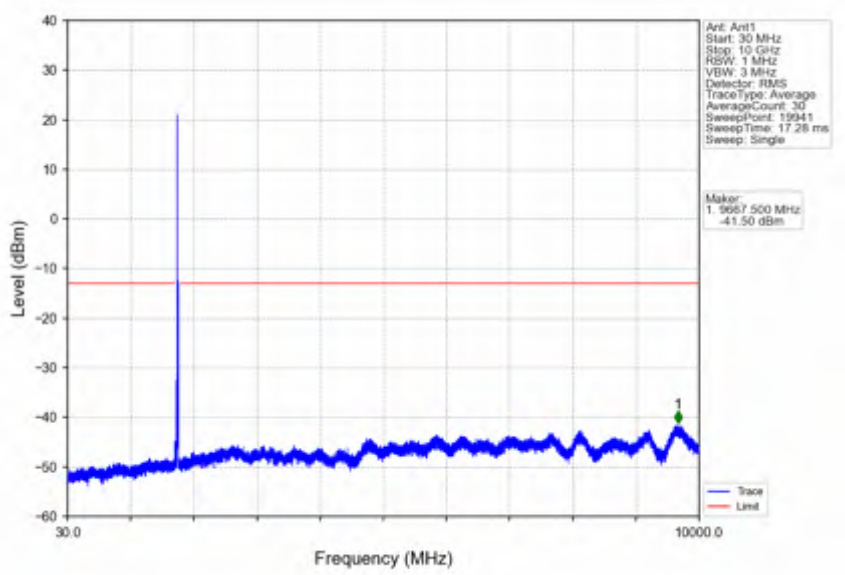
Band66_20MHz_64QAM_MCH_1745MHz_RB_1_0_NTNV



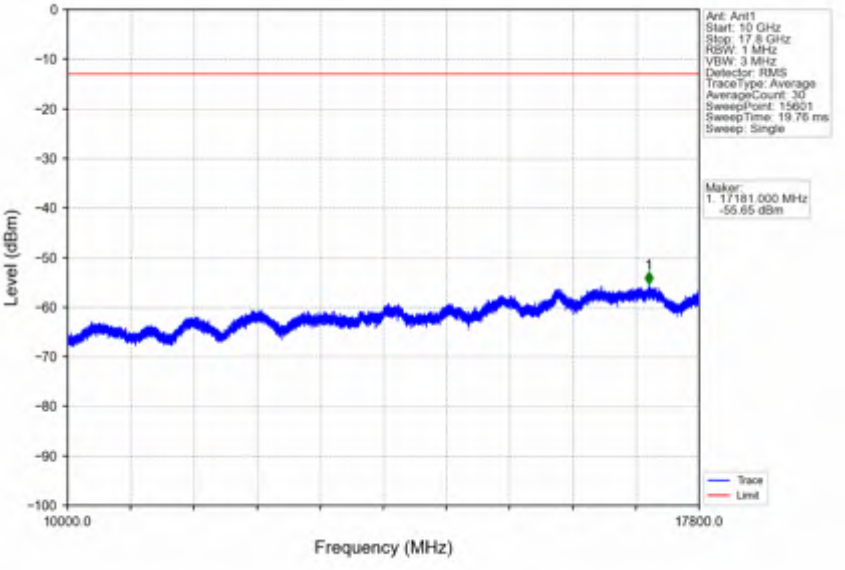

Band66_20MHz_64QAM_MCH_1745MHz_RB_1_0_NTNV



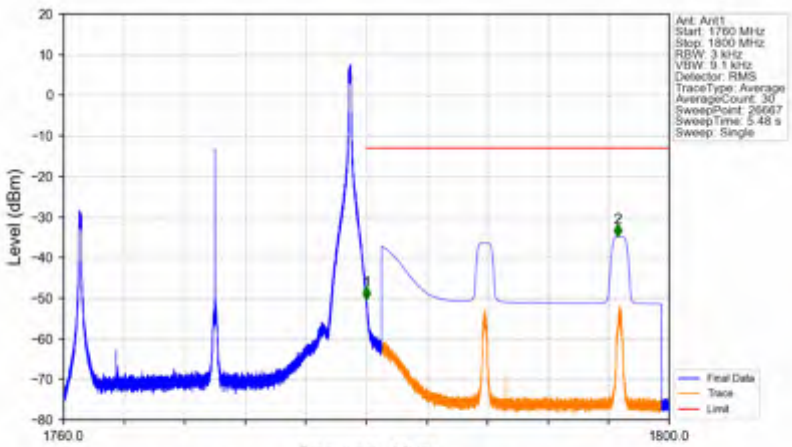
Band66_20MHz_64QAM_HCH_1770MHz_RB_1_0_NTNV




Band66_20MHz_64QAM_HCH_1770MHz_RB_1_0_NTNV

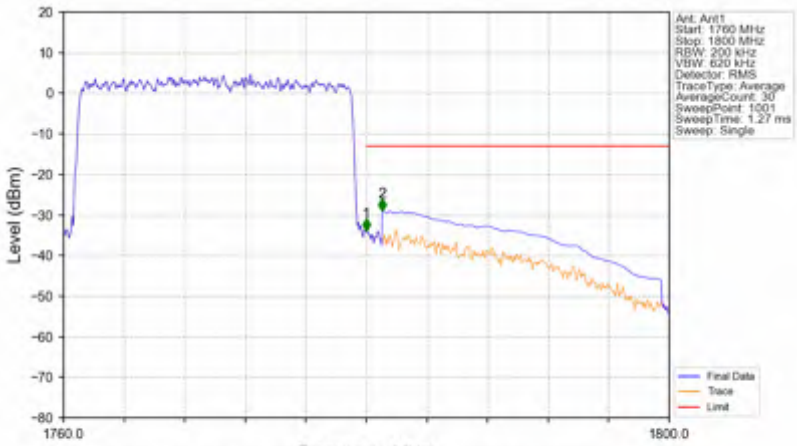


Band66_20MHz_64QAM_HCH_1770MHz_RB_1_99_NTNV




| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1760 | 1780 | 0.003 | / | / | / | / | / | / |
| 1780 | 1781 | 0.003 | / | 1 | 1780.006 | -50.33 | -13 | Pass |
| 1781 | 1800 | 1 | CHP | 2 | 1796.619 | -34.88 | -13 | Pass |

Band66_20MHz_64QAM_HCH_1770MHz_RB_100_0_NTNV




| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1760 | 1780 | 0.2 | / | / | / | / | / | / |
| 1780 | 1781 | 0.2 | / | 1 | 1780.000 | -33.98 | -13 | Pass |
| 1781 | 1800 | 1 | CHP | 2 | 1781.040 | -29.01 | -13 | Pass |