# Appendix RF test data for LTE_band_66

# 1. Effective (Isotropic) Radiated Power Output Data

## 1.1 Test Result

### 1.1.1 B66_1.4MHz_EIRP

| 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 | 23.34 | -3.60 | 19.74 | <=30 | Pass |
| | | | 2 | 23.45 | -3.60 | 19.85 | <=30 | Pass |
| | | | 5 | 22.81 | -3.60 | 19.21 | <=30 | Pass |
| | | 3 | 0 | 22.99 | -3.60 | 19.39 | <=30 | Pass |
| | | | 2 | 22.99 | -3.60 | 19.39 | <=30 | Pass |
| | | | 3 | 23.04 | -3.60 | 19.44 | <=30 | Pass |
| | | 6 | 0 | 21.93 | -3.60 | 18.33 | <=30 | Pass |
| | 1745 | 1 | 0 | 22.82 | -3.60 | 19.22 | <=30 | Pass |
| | | | 2 | 23.04 | -3.60 | 19.44 | <=30 | Pass |
| | | | 5 | 22.85 | -3.60 | 19.25 | <=30 | Pass |
| | | 3 | 0 | 22.90 | -3.60 | 19.30 | <=30 | Pass |
| | | | 2 | 22.84 | -3.60 | 19.24 | <=30 | Pass |
| | | | 3 | 22.90 | -3.60 | 19.30 | <=30 | Pass |
| | | 6 | 0 | 21.88 | -3.60 | 18.28 | <=30 | Pass |
| | 1779.3 | 1 | 0 | 23.17 | -3.60 | 19.57 | <=30 | Pass |
| | | | 2 | 23.39 | -3.60 | 19.79 | <=30 | Pass |
| | | | 5 | 23.14 | -3.60 | 19.54 | <=30 | Pass |
| | | 3 | 0 | 23.21 | -3.60 | 19.61 | <=30 | Pass |
| | | | 2 | 23.20 | -3.60 | 19.60 | <=30 | Pass |
| | | | 3 | 23.21 | -3.60 | 19.61 | <=30 | Pass |
| | | 6 | 0 | 22.22 | -3.60 | 18.62 | <=30 | Pass |
| 16QAM | 1710.7 | 1 | 0 | 21.83 | -3.60 | 18.23 | <=30 | Pass |
| | | | 2 | 22.05 | -3.60 | 18.45 | <=30 | Pass |
| | | | 5 | 21.83 | -3.60 | 18.23 | <=30 | Pass |
| | | 3 | 0 | 22.04 | -3.60 | 18.44 | <=30 | Pass |
| | | | 2 | 22.03 | -3.60 | 18.43 | <=30 | Pass |
| | | | 3 | 22.02 | -3.60 | 18.42 | <=30 | Pass |
| | | 6 | 0 | 20.98 | -3.60 | 17.38 | <=30 | Pass |
| | 1745 | 1 | 0 | 22.12 | -3.60 | 18.52 | <=30 | Pass |
| | | | 2 | 22.36 | -3.60 | 18.76 | <=30 | Pass |
| | | | 5 | 22.09 | -3.60 | 18.49 | <=30 | Pass |
| | | 3 | 0 | 21.87 | -3.60 | 18.27 | <=30 | Pass |
| | | | 2 | 21.85 | -3.60 | 18.25 | <=30 | Pass |
| | | | 3 | 21.88 | -3.60 | 18.28 | <=30 | Pass |
| | | 6 | 0 | 20.87 | -3.60 | 17.27 | <=30 | Pass |
| | 1779.3 | 1 | 0 | 22.02 | -3.60 | 18.42 | <=30 | Pass |
| | | | 2 | 22.21 | -3.60 | 18.61 | <=30 | Pass |
| | | | 5 | 22.03 | -3.60 | 18.43 | <=30 | Pass |
| | | 3 | 0 | 22.04 | -3.60 | 18.44 | <=30 | Pass |
| | | | 2 | 22.03 | -3.60 | 18.43 | <=30 | Pass |
| | | | 3 | 22.06 | -3.60 | 18.46 | <=30 | Pass |
| | | 6 | 0 | 21.20 | -3.60 | 17.60 | <=30 | Pass |
| Note1: EIRP=Conducted Power+Antenna Gain | | | | | | | | |

### 1.1.2 B66_3MHz_EIRP

| 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 | 23.42 | -3.60 | 19.82 | <=30 | Pass |
| | | | 7 | 22.95 | -3.60 | 19.35 | <=30 | Pass |
| | | | 14 | 22.86 | -3.60 | 19.26 | <=30 | Pass |
| | | 8 | 0 | 21.90 | -3.60 | 18.30 | <=30 | Pass |
| | | | 4 | 21.92 | -3.60 | 18.32 | <=30 | Pass |
| | | | 7 | 21.88 | -3.60 | 18.28 | <=30 | Pass |
| | | 15 | 0 | 21.86 | -3.60 | 18.26 | <=30 | Pass |
| | 1745 | 1 | 0 | 22.93 | -3.60 | 19.33 | <=30 | Pass |
| | | | 7 | 22.80 | -3.60 | 19.20 | <=30 | Pass |
| | | | 14 | 22.92 | -3.60 | 19.32 | <=30 | Pass |
| | | 8 | 0 | 21.86 | -3.60 | 18.26 | <=30 | Pass |
| | | | 4 | 21.88 | -3.60 | 18.28 | <=30 | Pass |
| | | | 7 | 21.85 | -3.60 | 18.25 | <=30 | Pass |
| | | 15 | 0 | 21.80 | -3.60 | 18.20 | <=30 | Pass |
| | 1778.5 | 1 | 0 | 23.25 | -3.60 | 19.65 | <=30 | Pass |
| | | | 7 | 23.13 | -3.60 | 19.53 | <=30 | Pass |
| | | | 14 | 23.25 | -3.60 | 19.65 | <=30 | Pass |
| | | 8 | 0 | 22.14 | -3.60 | 18.54 | <=30 | Pass |
| | | | 4 | 22.18 | -3.60 | 18.58 | <=30 | Pass |
| | | | 7 | 22.12 | -3.60 | 18.52 | <=30 | Pass |
| | | 15 | 0 | 22.10 | -3.60 | 18.50 | <=30 | Pass |
| 16QAM | 1711.5 | 1 | 0 | 21.89 | -3.60 | 18.29 | <=30 | Pass |
| | | | 7 | 21.73 | -3.60 | 18.13 | <=30 | Pass |
| | | | 14 | 21.86 | -3.60 | 18.26 | <=30 | Pass |
| | | 8 | 0 | 20.89 | -3.60 | 17.29 | <=30 | Pass |
| | | | 4 | 20.92 | -3.60 | 17.32 | <=30 | Pass |
| | | | 7 | 20.88 | -3.60 | 17.28 | <=30 | Pass |
| | | 15 | 0 | 20.84 | -3.60 | 17.24 | <=30 | Pass |
| | 1745 | 1 | 0 | 22.17 | -3.60 | 18.57 | <=30 | Pass |
| | | | 7 | 22.03 | -3.60 | 18.43 | <=30 | Pass |
| | | | 14 | 22.20 | -3.60 | 18.60 | <=30 | Pass |
| | | 8 | 0 | 20.91 | -3.60 | 17.31 | <=30 | Pass |
| | | | 4 | 20.93 | -3.60 | 17.33 | <=30 | Pass |
| | | | 7 | 20.87 | -3.60 | 17.27 | <=30 | Pass |
| | | 15 | 0 | 20.87 | -3.60 | 17.27 | <=30 | Pass |
| | 1778.5 | 1 | 0 | 22.10 | -3.60 | 18.50 | <=30 | Pass |
| | | | 7 | 21.95 | -3.60 | 18.35 | <=30 | Pass |
| | | | 14 | 22.10 | -3.60 | 18.50 | <=30 | Pass |
| | | 8 | 0 | 21.14 | -3.60 | 17.54 | <=30 | Pass |
| | | | 4 | 21.14 | -3.60 | 17.54 | <=30 | Pass |
| | | | 7 | 21.09 | -3.60 | 17.49 | <=30 | Pass |
| | | 15 | 0 | 21.16 | -3.60 | 17.56 | <=30 | Pass |
| Note1: EIRP=Conducted Power+Antenna Gain | | | | | | | | |

### 1.1.3 B66_5MHz_EIRP

| 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 | 22.80 | -3.60 | 19.20 | <=30 | Pass |
| | | | 13 | 22.88 | -3.60 | 19.28 | <=30 | Pass |
| | | | 24 | 22.83 | -3.60 | 19.23 | <=30 | Pass |
| | | 12 | 0 | 21.87 | -3.60 | 18.27 | <=30 | Pass |
| | | | 6 | 21.92 | -3.60 | 18.32 | <=30 | Pass |
| | | | 13 | 21.89 | -3.60 | 18.29 | <=30 | Pass |
| | | 25 | 0 | 21.87 | -3.60 | 18.27 | <=30 | Pass |
| | 1745 | 1 | 0 | 22.79 | -3.60 | 19.19 | <=30 | Pass |
| | | | 13 | 22.86 | -3.60 | 19.26 | <=30 | Pass |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | 24 | 22.80 | -3.60 | 19.20 | <=30 | Pass |
| | | 12 | 0 | 21.81 | -3.60 | 18.21 | <=30 | Pass |
| | | | 6 | 21.86 | -3.60 | 18.26 | <=30 | Pass |
| | | | 13 | 21.84 | -3.60 | 18.24 | <=30 | Pass |
| | | 25 | 0 | 21.84 | -3.60 | 18.24 | <=30 | Pass |
| | 1777.5 | 1 | 0 | 23.01 | -3.60 | 19.41 | <=30 | Pass |
| | | | 13 | 23.12 | -3.60 | 19.52 | <=30 | Pass |
| | | | 24 | 23.03 | -3.60 | 19.43 | <=30 | Pass |
| | | 12 | 0 | 22.13 | -3.60 | 18.53 | <=30 | Pass |
| | | | 6 | 22.14 | -3.60 | 18.54 | <=30 | Pass |
| | | | 13 | 22.08 | -3.60 | 18.48 | <=30 | Pass |
| | | 25 | 0 | 22.10 | -3.60 | 18.50 | <=30 | Pass |
| 16QAM | 1712.5 | 1 | 0 | 21.73 | -3.60 | 18.13 | <=30 | Pass |
| | | | 13 | 21.79 | -3.60 | 18.19 | <=30 | Pass |
| | | | 24 | 21.71 | -3.60 | 18.11 | <=30 | Pass |
| | | 12 | 0 | 20.93 | -3.60 | 17.33 | <=30 | Pass |
| | | | 6 | 21.01 | -3.60 | 17.41 | <=30 | Pass |
| | | | 13 | 20.96 | -3.60 | 17.36 | <=30 | Pass |
| | | 25 | 0 | 21.01 | -3.60 | 17.41 | <=30 | Pass |
| | 1745 | 1 | 0 | 22.15 | -3.60 | 18.55 | <=30 | Pass |
| | | | 13 | 22.19 | -3.60 | 18.59 | <=30 | Pass |
| | | | 24 | 22.12 | -3.60 | 18.52 | <=30 | Pass |
| | | 12 | 0 | 20.81 | -3.60 | 17.21 | <=30 | Pass |
| | | | 6 | 20.87 | -3.60 | 17.27 | <=30 | Pass |
| | | | 13 | 20.86 | -3.60 | 17.26 | <=30 | Pass |
| | | 25 | 0 | 20.85 | -3.60 | 17.25 | <=30 | Pass |
| | 1777.5 | 1 | 0 | 22.09 | -3.60 | 18.49 | <=30 | Pass |
| | | | 13 | 22.16 | -3.60 | 18.56 | <=30 | Pass |
| | | | 24 | 22.10 | -3.60 | 18.50 | <=30 | Pass |
| | | 12 | 0 | 21.14 | -3.60 | 17.54 | <=30 | Pass |
| | | | 6 | 21.15 | -3.60 | 17.55 | <=30 | Pass |
| | | | 13 | 21.06 | -3.60 | 17.46 | <=30 | Pass |
| | | 25 | 0 | 21.09 | -3.60 | 17.49 | <=30 | Pass |
| Note1: EIRP=Conducted Power+Antenna Gain | | | | | | | | |

## 1.1.4 B66_10MHz_EIRP

| 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 | 22.87 | -3.60 | 19.27 | <=30 | Pass |
| | | | 25 | 22.97 | -3.60 | 19.37 | <=30 | Pass |
| | | | 49 | 22.88 | -3.60 | 19.28 | <=30 | Pass |
| | | 25 | 0 | 21.91 | -3.60 | 18.31 | <=30 | Pass |
| | | | 13 | 21.94 | -3.60 | 18.34 | <=30 | Pass |
| | | | 25 | 21.99 | -3.60 | 18.39 | <=30 | Pass |
| | | 50 | 0 | 21.95 | -3.60 | 18.35 | <=30 | Pass |
| | 1745 | 1 | 0 | 22.92 | -3.60 | 19.32 | <=30 | Pass |
| | | | 25 | 23.03 | -3.60 | 19.43 | <=30 | Pass |
| | | | 49 | 22.95 | -3.60 | 19.35 | <=30 | Pass |
| | | 25 | 0 | 21.87 | -3.60 | 18.27 | <=30 | Pass |
| | | | 13 | 21.89 | -3.60 | 18.29 | <=30 | Pass |
| | | | 25 | 21.90 | -3.60 | 18.30 | <=30 | Pass |
| | | 50 | 0 | 21.90 | -3.60 | 18.30 | <=30 | Pass |
| | 1775 | 1 | 0 | 23.11 | -3.60 | 19.51 | <=30 | Pass |
| | | | 25 | 23.27 | -3.60 | 19.67 | <=30 | Pass |
| | | | 49 | 23.23 | -3.60 | 19.63 | <=30 | Pass |
| | | 25 | 0 | 22.11 | -3.60 | 18.51 | <=30 | Pass |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | 13 | 22.13 | -3.60 | 18.53 | <=30 | Pass |
| | | | 25 | 22.14 | -3.60 | 18.54 | <=30 | Pass |
| | | 50 | 0 | 22.12 | -3.60 | 18.52 | <=30 | Pass |
| 16QAM | 1715 | 1 | 0 | 21.90 | -3.60 | 18.30 | <=30 | Pass |
| | | | 25 | 21.91 | -3.60 | 18.31 | <=30 | Pass |
| | | | 49 | 21.86 | -3.60 | 18.26 | <=30 | Pass |
| | | 25 | 0 | 21.02 | -3.60 | 17.42 | <=30 | Pass |
| | | | 13 | 21.03 | -3.60 | 17.43 | <=30 | Pass |
| | | | 25 | 21.06 | -3.60 | 17.46 | <=30 | Pass |
| | | 50 | 0 | 20.99 | -3.60 | 17.39 | <=30 | Pass |
| | 1745 | 1 | 0 | 22.24 | -3.60 | 18.64 | <=30 | Pass |
| | | | 25 | 22.27 | -3.60 | 18.67 | <=30 | Pass |
| | | | 49 | 22.20 | -3.60 | 18.60 | <=30 | Pass |
| | | 25 | 0 | 20.95 | -3.60 | 17.35 | <=30 | Pass |
| | | | 13 | 20.93 | -3.60 | 17.33 | <=30 | Pass |
| | | | 25 | 20.95 | -3.60 | 17.35 | <=30 | Pass |
| | | 50 | 0 | 20.93 | -3.60 | 17.33 | <=30 | Pass |
| | 1775 | 1 | 0 | 21.97 | -3.60 | 18.37 | <=30 | Pass |
| | | | 25 | 22.12 | -3.60 | 18.52 | <=30 | Pass |
| | | | 49 | 22.07 | -3.60 | 18.47 | <=30 | Pass |
| | | 25 | 0 | 21.22 | -3.60 | 17.62 | <=30 | Pass |
| | | | 13 | 21.24 | -3.60 | 17.64 | <=30 | Pass |
| | | | 25 | 21.23 | -3.60 | 17.63 | <=30 | Pass |
| | | 50 | 0 | 21.15 | -3.60 | 17.55 | <=30 | Pass |
| Note1: EIRP=Conducted Power+Antenna Gain | | | | | | | | |

## 1.1.5 B66_15MHz_EIRP

| 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 | 22.90 | -3.60 | 19.30 | <=30 | Pass |
| | | | 38 | 23.02 | -3.60 | 19.42 | <=30 | Pass |
| | | | 74 | 22.88 | -3.60 | 19.28 | <=30 | Pass |
| | | 36 | 0 | 21.94 | -3.60 | 18.34 | <=30 | Pass |
| | | | 18 | 22.04 | -3.60 | 18.44 | <=30 | Pass |
| | | | 39 | 22.01 | -3.60 | 18.41 | <=30 | Pass |
| | | 75 | 0 | 21.99 | -3.60 | 18.39 | <=30 | Pass |
| | 1745 | 1 | 0 | 22.71 | -3.60 | 19.11 | <=30 | Pass |
| | | | 38 | 22.87 | -3.60 | 19.27 | <=30 | Pass |
| | | | 74 | 22.75 | -3.60 | 19.15 | <=30 | Pass |
| | | 36 | 0 | 21.93 | -3.60 | 18.33 | <=30 | Pass |
| | | | 18 | 21.98 | -3.60 | 18.38 | <=30 | Pass |
| | | | 39 | 22.04 | -3.60 | 18.44 | <=30 | Pass |
| | | 75 | 0 | 21.95 | -3.60 | 18.35 | <=30 | Pass |
| | 1772.5 | 1 | 0 | 22.96 | -3.60 | 19.36 | <=30 | Pass |
| | | | 38 | 23.16 | -3.60 | 19.56 | <=30 | Pass |
| | | | 74 | 23.10 | -3.60 | 19.50 | <=30 | Pass |
| | | 36 | 0 | 22.07 | -3.60 | 18.47 | <=30 | Pass |
| | | | 18 | 22.17 | -3.60 | 18.57 | <=30 | Pass |
| | | | 39 | 22.27 | -3.60 | 18.67 | <=30 | Pass |
| | | 75 | 0 | 22.20 | -3.60 | 18.60 | <=30 | Pass |
| 16QAM | 1717.5 | 1 | 0 | 21.76 | -3.60 | 18.16 | <=30 | Pass |
| | | | 38 | 21.83 | -3.60 | 18.23 | <=30 | Pass |
| | | | 74 | 21.77 | -3.60 | 18.17 | <=30 | Pass |
| | | 36 | 0 | 20.93 | -3.60 | 17.33 | <=30 | Pass |
| | | | 18 | 20.98 | -3.60 | 17.38 | <=30 | Pass |
| | | | 39 | 20.96 | -3.60 | 17.36 | <=30 | Pass |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | 75 | 0 | 20.96 | -3.60 | 17.36 | <=30 | Pass |
| | 1745 | 1 | 0 | 21.80 | -3.60 | 18.20 | <=30 | Pass |
| | | | 38 | 21.85 | -3.60 | 18.25 | <=30 | Pass |
| | | | 74 | 21.71 | -3.60 | 18.11 | <=30 | Pass |
| | | 36 | 0 | 20.88 | -3.60 | 17.28 | <=30 | Pass |
| | | | 18 | 20.92 | -3.60 | 17.32 | <=30 | Pass |
| | | | 39 | 20.93 | -3.60 | 17.33 | <=30 | Pass |
| | | 75 | 0 | 20.93 | -3.60 | 17.33 | <=30 | Pass |
| | 1772.5 | 1 | 0 | 21.89 | -3.60 | 18.29 | <=30 | Pass |
| | | | 38 | 22.06 | -3.60 | 18.46 | <=30 | Pass |
| | | | 74 | 21.97 | -3.60 | 18.37 | <=30 | Pass |
| | | 36 | 0 | 21.06 | -3.60 | 17.46 | <=30 | Pass |
| | | | 18 | 21.15 | -3.60 | 17.55 | <=30 | Pass |
| | | | 39 | 21.21 | -3.60 | 17.61 | <=30 | Pass |
| | | 75 | 0 | 21.16 | -3.60 | 17.56 | <=30 | Pass |
| Note1: EIRP=Conducted Power+Antenna Gain | | | | | | | | |

## 1.1.6 B66_20MHz_EIRP

| 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 | 22.63 | -3.60 | 19.03 | <=30 | Pass |
| | | | 50 | 22.99 | -3.60 | 19.39 | <=30 | Pass |
| | | | 99 | 22.65 | -3.60 | 19.05 | <=30 | Pass |
| | | 50 | 0 | 21.85 | -3.60 | 18.25 | <=30 | Pass |
| | | | 25 | 21.90 | -3.60 | 18.30 | <=30 | Pass |
| | | | 50 | 21.92 | -3.60 | 18.32 | <=30 | Pass |
| | | 100 | 0 | 21.87 | -3.60 | 18.27 | <=30 | Pass |
| | 1745 | 1 | 0 | 22.64 | -3.60 | 19.04 | <=30 | Pass |
| | | | 50 | 22.97 | -3.60 | 19.37 | <=30 | Pass |
| | | | 99 | 22.60 | -3.60 | 19.00 | <=30 | Pass |
| | | 50 | 0 | 21.82 | -3.60 | 18.22 | <=30 | Pass |
| | | | 25 | 21.87 | -3.60 | 18.27 | <=30 | Pass |
| | | | 50 | 21.92 | -3.60 | 18.32 | <=30 | Pass |
| | | 100 | 0 | 21.87 | -3.60 | 18.27 | <=30 | Pass |
| | 1770 | 1 | 0 | 22.68 | -3.60 | 19.08 | <=30 | Pass |
| | | | 50 | 23.15 | -3.60 | 19.55 | <=30 | Pass |
| | | | 99 | 22.96 | -3.60 | 19.36 | <=30 | Pass |
| | | 50 | 0 | 22.09 | -3.60 | 18.49 | <=30 | Pass |
| | | | 25 | 22.12 | -3.60 | 18.52 | <=30 | Pass |
| | | | 50 | 22.13 | -3.60 | 18.53 | <=30 | Pass |
| | | 100 | 0 | 22.08 | -3.60 | 18.48 | <=30 | Pass |
| 16QAM | 1720 | 1 | 0 | 22.01 | -3.60 | 18.41 | <=30 | Pass |
| | | | 50 | 22.32 | -3.60 | 18.72 | <=30 | Pass |
| | | | 99 | 22.12 | -3.60 | 18.52 | <=30 | Pass |
| | | 50 | 0 | 20.87 | -3.60 | 17.27 | <=30 | Pass |
| | | | 25 | 21.00 | -3.60 | 17.40 | <=30 | Pass |
| | | | 50 | 20.95 | -3.60 | 17.35 | <=30 | Pass |
| | | 100 | 0 | 20.92 | -3.60 | 17.32 | <=30 | Pass |
| | 1745 | 1 | 0 | 21.70 | -3.60 | 18.10 | <=30 | Pass |
| | | | 50 | 21.90 | -3.60 | 18.30 | <=30 | Pass |
| | | | 99 | 21.61 | -3.60 | 18.01 | <=30 | Pass |
| | | 50 | 0 | 20.85 | -3.60 | 17.25 | <=30 | Pass |
| | | | 25 | 20.88 | -3.60 | 17.28 | <=30 | Pass |
| | | | 50 | 20.94 | -3.60 | 17.34 | <=30 | Pass |
| | | 100 | 0 | 20.92 | -3.60 | 17.32 | <=30 | Pass |
| | 1770 | 1 | 0 | 21.58 | -3.60 | 17.98 | <=30 | Pass |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | 50 | 21.99 | -3.60 | 18.39 | <=30 | Pass |
| | | | 99 | 21.75 | -3.60 | 18.15 | <=30 | Pass |
| | | 50 | 0 | 21.12 | -3.60 | 17.52 | <=30 | Pass |
| | | | 25 | 21.16 | -3.60 | 17.56 | <=30 | Pass |
| | | | 50 | 21.17 | -3.60 | 17.57 | <=30 | Pass |
| | | 100 | 0 | 21.16 | -3.60 | 17.56 | <=30 | Pass |
| Note1: EIRP=Conducted Power+Antenna Gain | | | | | | | | |

# 2. Frequency Stability

## 2.1 Test Result

### 2.1.1 B66_1.4MHz

| Band: 66 / Bandwidth: 1.4MHz | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) | | Verdict |
| | | Size | Offset | | | | Result | Limit | |
| QPSK | 1710.7 | 6 | 0 | 20 | 3.27 | -9.499 | -0.0056 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -7.882 | -0.0046 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -2.947 | -0.0017 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -7.796 | -0.0046 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -14.133 | -0.0083 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -11.487 | -0.0067 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -12.503 | -0.0073 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -9.685 | -0.0057 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -6.022 | -0.0035 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | 1.574 | 0.0009 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -6.237 | -0.0036 | -2.5 to 2.5 | Pass |
| | 1745 | 6 | 0 | 20 | 3.27 | -1.945 | -0.0011 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -5.693 | -0.0033 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -0.114 | -0.0001 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -1.445 | -0.0008 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -9.356 | -0.0054 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -9.255 | -0.0053 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | 4.821 | 0.0028 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -10.157 | -0.0058 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | 3.591 | 0.0021 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -7.553 | -0.0043 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -4.678 | -0.0027 | -2.5 to 2.5 | Pass |
| | 1779.3 | 6 | 0 | 20 | 3.27 | -3.648 | -0.0021 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -1.988 | -0.0011 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -0.100 | -0.0001 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -5.050 | -0.0028 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -3.633 | -0.0020 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -12.274 | -0.0069 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -1.974 | -0.0011 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -6.723 | -0.0038 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -1.202 | -0.0007 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -13.776 | -0.0077 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | 2.775 | 0.0016 | -2.5 to 2.5 | Pass |
| 16QAM | 1710.7 | 6 | 0 | 20 | 3.27 | -11.516 | -0.0067 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -9.141 | -0.0053 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -0.229 | -0.0001 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -13.919 | -0.0081 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -10.915 | -0.0064 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -2.160 | -0.0013 | -2.5 to 2.5 | Pass |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | 0 | 3.85 | -13.089 | -0.0077 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -4.449 | -0.0026 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -4.478 | -0.0026 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -5.293 | -0.0031 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | 1.817 | 0.0011 | -2.5 to 2.5 | Pass |
| | 1745 | 6 | 0 | 20 | 3.27 | 6.566 | 0.0038 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | 5.693 | 0.0033 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -6.552 | -0.0038 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -10.071 | -0.0058 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | 6.294 | 0.0036 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | 1.259 | 0.0007 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -9.828 | -0.0056 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -1.831 | -0.0010 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -10.443 | -0.0060 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -0.758 | -0.0004 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -4.749 | -0.0027 | -2.5 to 2.5 | Pass |
| | 1779.3 | 6 | 0 | 20 | 3.27 | -5.035 | -0.0028 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -9.212 | -0.0052 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -9.942 | -0.0056 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -6.466 | -0.0036 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -10.128 | -0.0057 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -5.336 | -0.0030 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -4.177 | -0.0023 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -9.298 | -0.0052 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -1.588 | -0.0009 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -10.200 | -0.0057 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | 2.060 | 0.0012 | -2.5 to 2.5 | Pass |

### 2.1.2 B66_3MHz

| Band: 66 / Bandwidth: 3MHz | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) | | Verdict |
| | | Size | Offset | | | | Result | Limit | |
| QPSK | 1711.5 | 15 | 0 | 20 | 3.27 | -13.261 | -0.0077 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -14.305 | -0.0084 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -14.548 | -0.0085 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -2.947 | -0.0017 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -1.516 | -0.0009 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -6.981 | -0.0041 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | 2.260 | 0.0013 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -11.129 | -0.0065 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -8.111 | -0.0047 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | 5.651 | 0.0033 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | 1.588 | 0.0009 | -2.5 to 2.5 | Pass |
| | 1745 | 15 | 0 | 20 | 3.27 | -4.106 | -0.0024 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -7.725 | -0.0044 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -13.332 | -0.0076 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -14.148 | -0.0081 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -4.392 | -0.0025 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -11.745 | -0.0067 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -5.865 | -0.0034 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -5.507 | -0.0032 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -7.253 | -0.0042 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -4.220 | -0.0024 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -4.249 | -0.0024 | -2.5 to 2.5 | Pass |
| | 1778.5 | 15 | 0 | 20 | 3.27 | -0.987 | -0.0006 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -4.406 | -0.0025 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -6.709 | -0.0038 | -2.5 to 2.5 | Pass |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | -30 | 3.85 | 1.230 | 0.0007 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | 1.459 | 0.0008 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -10.815 | -0.0061 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | 1.903 | 0.0011 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -2.232 | -0.0013 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -6.924 | -0.0039 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -10.901 | -0.0061 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -3.905 | -0.0022 | -2.5 to 2.5 | Pass |
| 16QAM | 1711.5 | 15 | 0 | 20 | 3.27 | -2.232 | -0.0013 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -8.826 | -0.0052 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -11.444 | -0.0067 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -0.901 | -0.0005 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -7.811 | -0.0046 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -13.561 | -0.0079 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -9.041 | -0.0053 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -12.188 | -0.0071 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -7.539 | -0.0044 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -1.030 | -0.0006 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -7.467 | -0.0044 | -2.5 to 2.5 | Pass |
| | 1745 | 15 | 0 | 20 | 3.27 | -12.088 | -0.0069 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | 2.403 | 0.0014 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -9.413 | -0.0054 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -9.499 | -0.0054 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -12.188 | -0.0070 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -10.457 | -0.0060 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -9.727 | -0.0056 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | 0.186 | 0.0001 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -9.513 | -0.0055 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -4.034 | -0.0023 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -10.142 | -0.0058 | -2.5 to 2.5 | Pass |
| | 1778.5 | 15 | 0 | 20 | 3.27 | -0.601 | -0.0003 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -7.524 | -0.0042 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | 0.987 | 0.0006 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -9.441 | -0.0053 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | 0.014 | 0.0000 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -2.775 | -0.0016 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -2.832 | -0.0016 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | 0.286 | 0.0002 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -5.579 | -0.0031 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | 2.046 | 0.0012 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -5.708 | -0.0032 | -2.5 to 2.5 | Pass |

### 2.1.3 B66_5MHz

| Band: 66 / Bandwidth: 5MHz | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) | | Verdict |
| | | Size | Offset | | | | Result | Limit | |
| QPSK | 1712.5 | 25 | 0 | 20 | 3.27 | -10.157 | -0.0059 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -3.705 | -0.0022 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -7.982 | -0.0047 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -6.008 | -0.0035 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -8.769 | -0.0051 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -2.918 | -0.0017 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | 0.701 | 0.0004 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -2.389 | -0.0014 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -9.255 | -0.0054 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -5.264 | -0.0031 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -5.922 | -0.0035 | -2.5 to 2.5 | Pass |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | 1745 | 25 | 0 | 20 | 3.27 | 0.801 | 0.0005 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -9.742 | -0.0056 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -6.623 | -0.0038 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | 1.345 | 0.0008 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -1.531 | -0.0009 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -0.529 | -0.0003 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | 0.343 | 0.0002 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -7.253 | -0.0042 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -3.204 | -0.0018 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -7.696 | -0.0044 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -1.101 | -0.0006 | -2.5 to 2.5 | Pass |
| | 1777.5 | 25 | 0 | 20 | 3.27 | -9.913 | -0.0056 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -5.980 | -0.0034 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -4.778 | -0.0027 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -7.110 | -0.0040 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | 1.016 | 0.0006 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -0.443 | -0.0002 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -3.247 | -0.0018 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -4.320 | -0.0024 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -17.810 | -0.0100 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -7.524 | -0.0042 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -2.718 | -0.0015 | -2.5 to 2.5 | Pass |
| 16QAM | 1712.5 | 25 | 0 | 20 | 3.27 | -1.659 | -0.0010 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -2.518 | -0.0015 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -4.377 | -0.0026 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -12.360 | -0.0072 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -0.715 | -0.0004 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -2.818 | -0.0016 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | 3.076 | 0.0018 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -3.448 | -0.0020 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -1.373 | -0.0008 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -3.691 | -0.0022 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -10.786 | -0.0063 | -2.5 to 2.5 | Pass |
| | 1745 | 25 | 0 | 20 | 3.27 | -2.818 | -0.0016 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -5.493 | -0.0031 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -6.537 | -0.0037 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | 3.605 | 0.0021 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -6.180 | -0.0035 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -1.216 | -0.0007 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -0.958 | -0.0005 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -6.638 | -0.0038 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -4.277 | -0.0025 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -2.618 | -0.0015 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | 1.059 | 0.0006 | -2.5 to 2.5 | Pass |
| | 1777.5 | 25 | 0 | 20 | 3.27 | -4.663 | -0.0026 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -10.457 | -0.0059 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -0.286 | -0.0002 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -3.390 | -0.0019 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -4.649 | -0.0026 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -9.141 | -0.0051 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -4.764 | -0.0027 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -2.847 | -0.0016 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -7.067 | -0.0040 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -11.201 | -0.0063 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -5.908 | -0.0033 | -2.5 to 2.5 | Pass |

## 2.1.4 B66_10MHz

| Band: 66 / Bandwidth: 10MHz | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) | | Verdict |
| | | Size | Offset | | | | Result | Limit | |
| QPSK | 1715 | 50 | 0 | 20 | 3.27 | -3.734 | -0.0022 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -2.975 | -0.0017 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -5.765 | -0.0034 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -6.795 | -0.0040 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -2.418 | -0.0014 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -2.389 | -0.0014 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -3.433 | -0.0020 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -4.020 | -0.0023 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -1.874 | -0.0011 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -5.021 | -0.0029 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -3.505 | -0.0020 | -2.5 to 2.5 | Pass |
| | 1745 | 50 | 0 | 20 | 3.27 | -3.605 | -0.0021 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -2.089 | -0.0012 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -1.817 | -0.0010 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -1.717 | -0.0010 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -2.403 | -0.0014 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -7.911 | -0.0045 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -6.194 | -0.0035 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | 4.449 | 0.0025 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | 2.103 | 0.0012 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | 2.818 | 0.0016 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -2.832 | -0.0016 | -2.5 to 2.5 | Pass |
| | 1775 | 50 | 0 | 20 | 3.27 | -9.899 | -0.0056 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | 0.615 | 0.0003 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -3.018 | -0.0017 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -8.054 | -0.0045 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -4.163 | -0.0023 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -0.544 | -0.0003 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -5.836 | -0.0033 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -2.861 | -0.0016 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -1.187 | -0.0007 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -3.862 | -0.0022 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -8.197 | -0.0046 | -2.5 to 2.5 | Pass |
| 16QAM | 1715 | 50 | 0 | 20 | 3.27 | -6.294 | -0.0037 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -6.924 | -0.0040 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -2.961 | -0.0017 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -3.848 | -0.0022 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -8.154 | -0.0048 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -4.821 | -0.0028 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -6.266 | -0.0037 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -9.227 | -0.0054 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -4.563 | -0.0027 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -3.862 | -0.0023 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -3.762 | -0.0022 | -2.5 to 2.5 | Pass |
| | 1745 | 50 | 0 | 20 | 3.27 | -5.007 | -0.0029 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | 1.774 | 0.0010 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -3.204 | -0.0018 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -10.157 | -0.0058 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | 3.791 | 0.0022 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -3.376 | -0.0019 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | 4.907 | 0.0028 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | 0.086 | 0.0000 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -1.760 | -0.0010 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -5.193 | -0.0030 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | 0.215 | 0.0001 | -2.5 to 2.5 | Pass |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | 1775 | 50 | 0 | 20 | 3.27 | -11.630 | -0.0066 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -5.050 | -0.0028 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | 0.587 | 0.0003 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -4.320 | -0.0024 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | 0.243 | 0.0001 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -9.012 | -0.0051 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -5.250 | -0.0030 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -7.195 | -0.0041 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -2.074 | -0.0012 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -5.350 | -0.0030 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -8.140 | -0.0046 | -2.5 to 2.5 | Pass |

### 2.1.5 B66_15MHz

| Band: 66 / Bandwidth: 15MHz | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) | | Verdict |
| | | Size | Offset | | | | Result | Limit | |
| QPSK | 1717.5 | 75 | 0 | 20 | 3.27 | -5.221 | -0.0030 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -6.623 | -0.0039 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -7.167 | -0.0042 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -0.572 | -0.0003 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -4.849 | -0.0028 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -5.364 | -0.0031 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -5.622 | -0.0033 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -2.561 | -0.0015 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -3.376 | -0.0020 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -3.548 | -0.0021 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -3.619 | -0.0021 | -2.5 to 2.5 | Pass |
| | 1745 | 75 | 0 | 20 | 3.27 | -3.676 | -0.0021 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | 0.114 | 0.0001 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -4.520 | -0.0026 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | 0.515 | 0.0003 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -0.315 | -0.0002 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -1.402 | -0.0008 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -5.937 | -0.0034 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -1.259 | -0.0007 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -2.160 | -0.0012 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -6.237 | -0.0036 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -4.821 | -0.0028 | -2.5 to 2.5 | Pass |
| | 1772.5 | 75 | 0 | 20 | 3.27 | -9.327 | -0.0053 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -4.091 | -0.0023 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -3.662 | -0.0021 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -3.705 | -0.0021 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -6.022 | -0.0034 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -4.821 | -0.0027 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -4.506 | -0.0025 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -5.178 | -0.0029 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -8.941 | -0.0050 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -2.561 | -0.0014 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -8.383 | -0.0047 | -2.5 to 2.5 | Pass |
| 16QAM | 1717.5 | 75 | 0 | 20 | 3.27 | -1.931 | -0.0011 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -7.024 | -0.0041 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -3.033 | -0.0018 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -8.197 | -0.0048 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -1.044 | -0.0006 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -2.389 | -0.0014 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -3.219 | -0.0019 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -12.760 | -0.0074 | -2.5 to 2.5 | Pass |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | 30 | 3.85 | -7.939 | -0.0046 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | 0.200 | 0.0001 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -2.503 | -0.0015 | -2.5 to 2.5 | Pass |
| | 1745 | 75 | 0 | 20 | 3.27 | 1.130 | 0.0006 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -2.761 | -0.0016 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -0.043 | 0.0000 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -5.407 | -0.0031 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -5.236 | -0.0030 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -5.164 | -0.0030 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -2.275 | -0.0013 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -3.948 | -0.0023 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -3.734 | -0.0021 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -2.947 | -0.0017 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -2.689 | -0.0015 | -2.5 to 2.5 | Pass |
| | 1772.5 | 75 | 0 | 20 | 3.27 | -4.148 | -0.0023 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -6.094 | -0.0034 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -4.535 | -0.0026 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -2.174 | -0.0012 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -7.582 | -0.0043 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -6.895 | -0.0039 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -6.266 | -0.0035 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -3.190 | -0.0018 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -8.612 | -0.0049 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -1.545 | -0.0009 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -0.601 | -0.0003 | -2.5 to 2.5 | Pass |

## 2.1.6 B66_20MHz

| Band: 66 / Bandwidth: 20MHz | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) | | Verdict |
| | | Size | Offset | | | | Result | Limit | |
| QPSK | 1720 | 100 | 0 | 20 | 3.27 | -1.988 | -0.0012 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -10.457 | -0.0061 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -2.146 | -0.0012 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -3.090 | -0.0018 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -5.708 | -0.0033 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -4.134 | -0.0024 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -2.947 | -0.0017 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -4.478 | -0.0026 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -3.090 | -0.0018 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -1.488 | -0.0009 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -8.726 | -0.0051 | -2.5 to 2.5 | Pass |
| | 1745 | 100 | 0 | 20 | 3.27 | -0.544 | -0.0003 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -0.243 | -0.0001 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -1.845 | -0.0011 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -4.334 | -0.0025 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -3.777 | -0.0022 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -1.488 | -0.0009 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -0.787 | -0.0005 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -3.762 | -0.0022 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -0.057 | 0.0000 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | 6.180 | 0.0035 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -5.722 | -0.0033 | -2.5 to 2.5 | Pass |
| | 1770 | 100 | 0 | 20 | 3.27 | -11.258 | -0.0064 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -1.330 | -0.0008 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -12.503 | -0.0071 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -3.190 | -0.0018 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -5.550 | -0.0031 | -2.5 to 2.5 | Pass |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | -10 | 3.85 | -1.988 | -0.0011 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -3.262 | -0.0018 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -2.346 | -0.0013 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | 0.143 | 0.0001 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -1.187 | -0.0007 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -7.839 | -0.0044 | -2.5 to 2.5 | Pass |
| 16QAM | 1720 | 100 | 0 | 20 | 3.27 | -6.022 | -0.0035 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -7.482 | -0.0044 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -5.808 | -0.0034 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -11.458 | -0.0067 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -1.245 | -0.0007 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -6.709 | -0.0039 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -1.988 | -0.0012 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -6.108 | -0.0036 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -3.076 | -0.0018 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -5.722 | -0.0033 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -9.456 | -0.0055 | -2.5 to 2.5 | Pass |
| | 1745 | 100 | 0 | 20 | 3.27 | -5.765 | -0.0033 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -1.059 | -0.0006 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -3.462 | -0.0020 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -2.518 | -0.0014 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | 2.375 | 0.0014 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -2.446 | -0.0014 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | 0.229 | 0.0001 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -1.831 | -0.0010 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -4.292 | -0.0025 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -1.216 | -0.0007 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -3.605 | -0.0021 | -2.5 to 2.5 | Pass |
| | 1770 | 100 | 0 | 20 | 3.27 | -5.608 | -0.0032 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -1.187 | -0.0007 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -6.280 | -0.0035 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -2.518 | -0.0014 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -8.426 | -0.0048 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | 1.416 | 0.0008 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -11.487 | -0.0065 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -2.174 | -0.0012 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -0.257 | -0.0001 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -3.304 | -0.0019 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -1.788 | -0.0010 | -2.5 to 2.5 | Pass |

# 3. Modulation Characteristics

## 3.1 Test Result

### 3.1.1 B66_1.4MHz

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

### 3.1.2 B66_3MHz

| Band: 66 / Bandwidth: 3MHz / NTNV |
|---|

| Modulation | Frequency (MHz) | RB Allocation | | Modulation Characteristics | | Verdict |
|---|---|---|---|---|---|---|
| | | Size | Offset | Result | Limit | |
| QPSK | 1745 | 15 | 0 | Refer To Test Graph | | Pass |
| 16QAM | 1745 | 15 | 0 | Refer To Test Graph | | Pass |

### 3.1.3 B66_5MHz

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

### 3.1.4 B66_10MHz

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

### 3.1.5 B66_15MHz

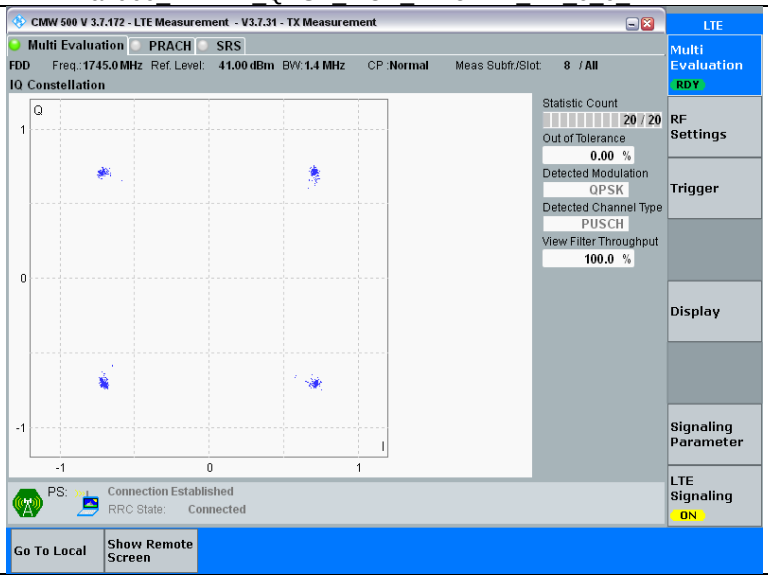
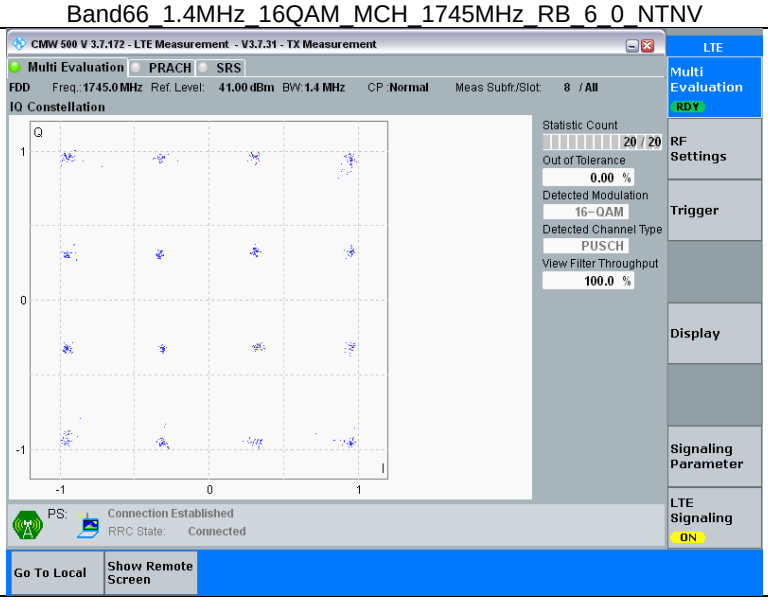
| Band: 66 / Bandwidth: 15MHz / NTNV | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Modulation Characteristics | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 1745 | 75 | 0 | Refer To Test Graph | | Pass |
| 16QAM | 1745 | 75 | 0 | Refer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

### 3.1.6 B66_20MHz

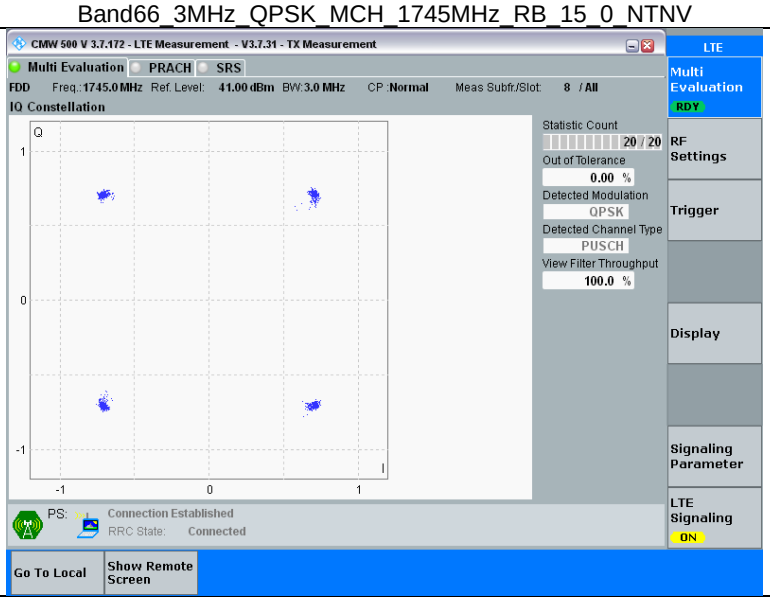
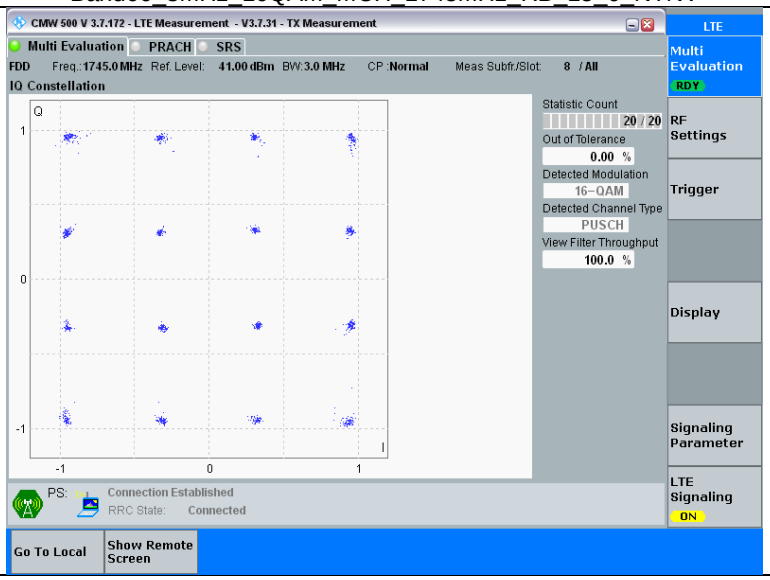
| Band: 66 / Bandwidth: 20MHz / NTNV | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Modulation Characteristics | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 1745 | 100 | 0 | Refer To Test Graph | | Pass |
| 16QAM | 1745 | 100 | 0 | Refer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

## 3.2 Test Graph

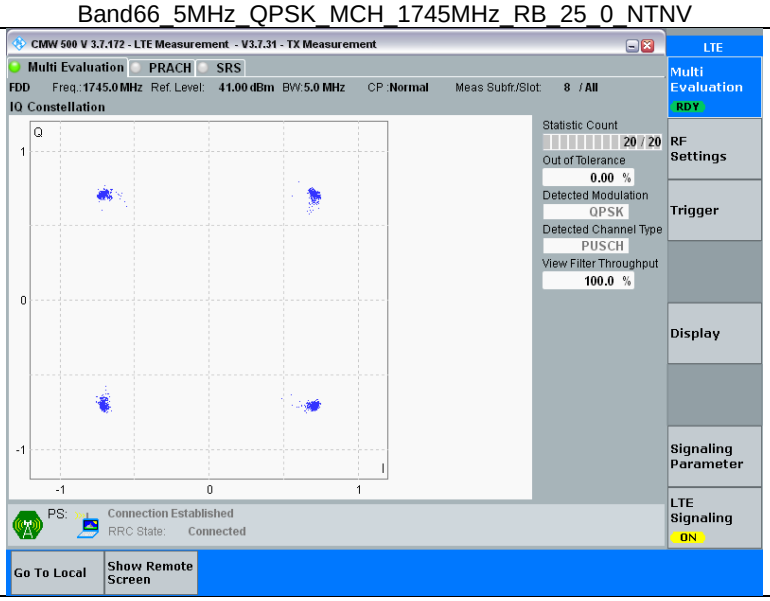
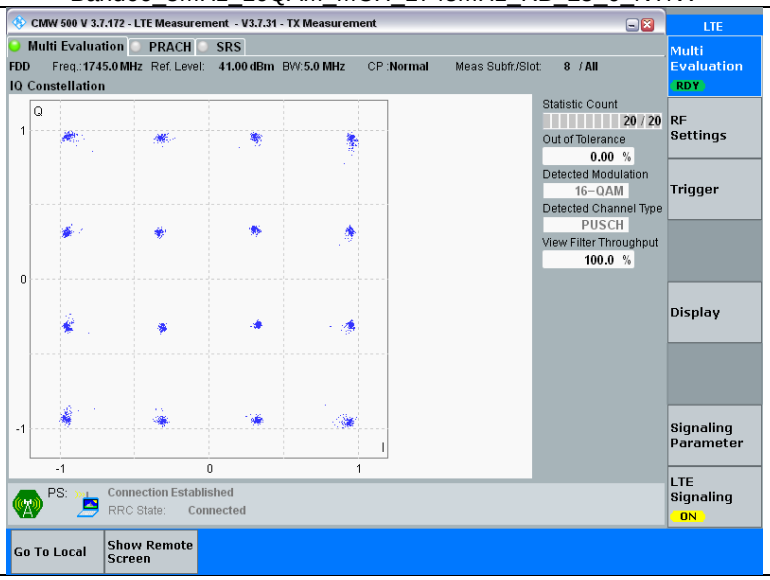
### 3.2.1 B66_1.4MHz

| Band66_1.4MHz_QPSK_MCH_1745MHz_RB_6_0_NTNV |
| --- |
|  |
| Band66_1.4MHz_16QAM_MCH_1745MHz_RB_6_0_NTNV |
|  |

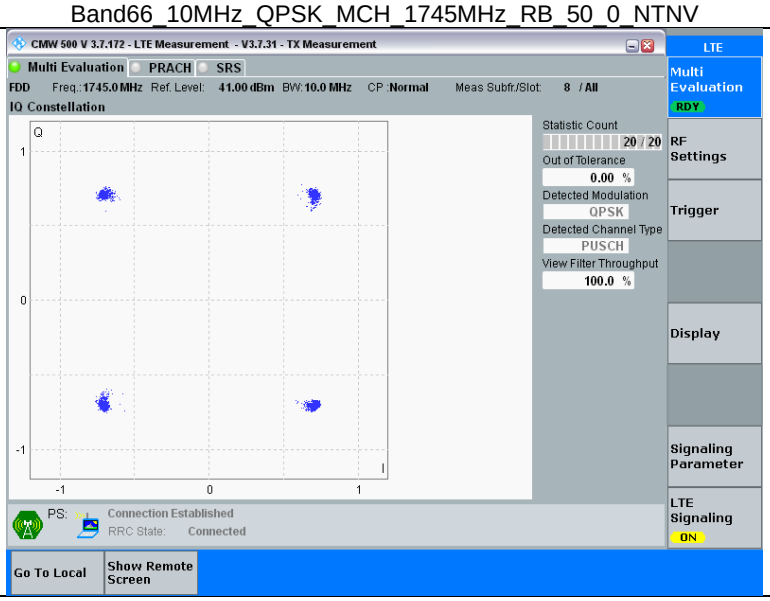
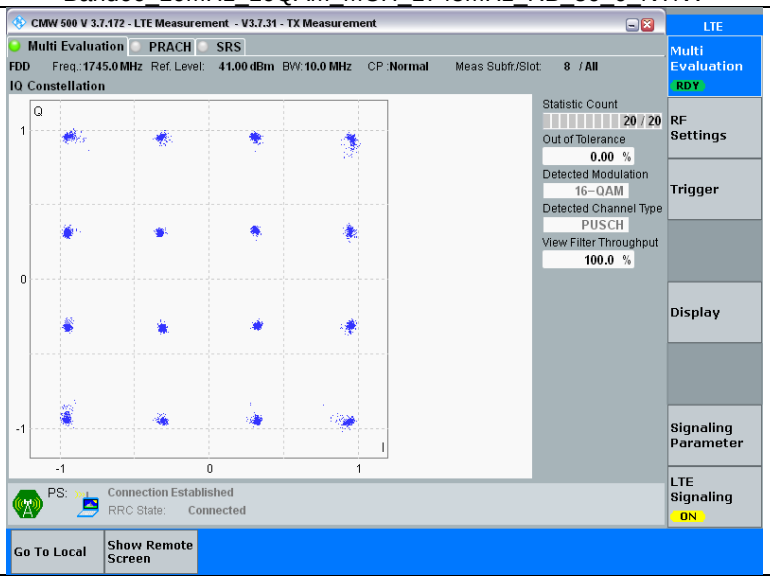
### 3.2.2 B66_3MHz

| Band66_3MHz_QPSK_MCH_1745MHz_RB_15_0_NTNV |
| --- |
|  |
| Band66_3MHz_16QAM_MCH_1745MHz_RB_15_0_NTNV |
|  |

### 3.2.3 B66_5MHz

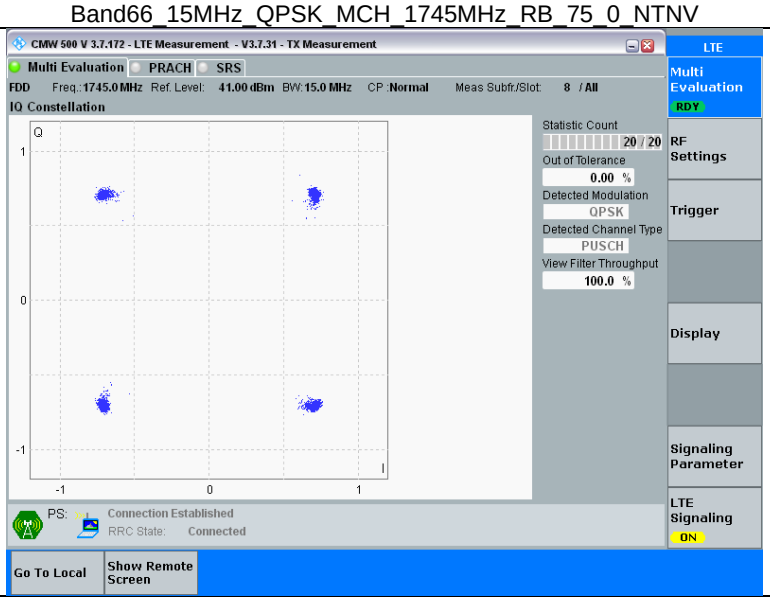
| Band66_5MHz_QPSK_MCH_1745MHz_RB_25_0_NTNV |
| --- |
|  |
| Band66_5MHz_16QAM_MCH_1745MHz_RB_25_0_NTNV |
|  |

### 3.2.4 B66_10MHz

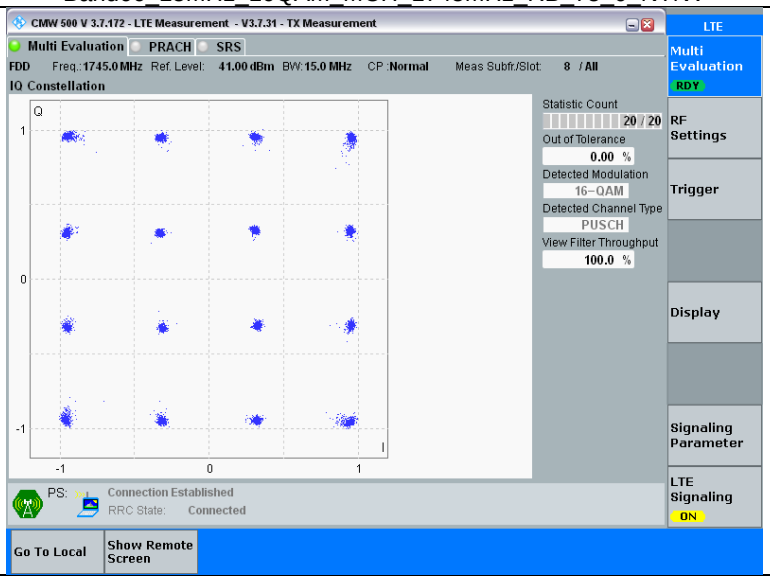
| Band66_10MHz_QPSK_MCH_1745MHz_RB_50_0_NTNV |
| --- |
|  |
| Band66_10MHz_16QAM_MCH_1745MHz_RB_50_0_NTNV |
|  |

### 3.2.5 B66_15MHz

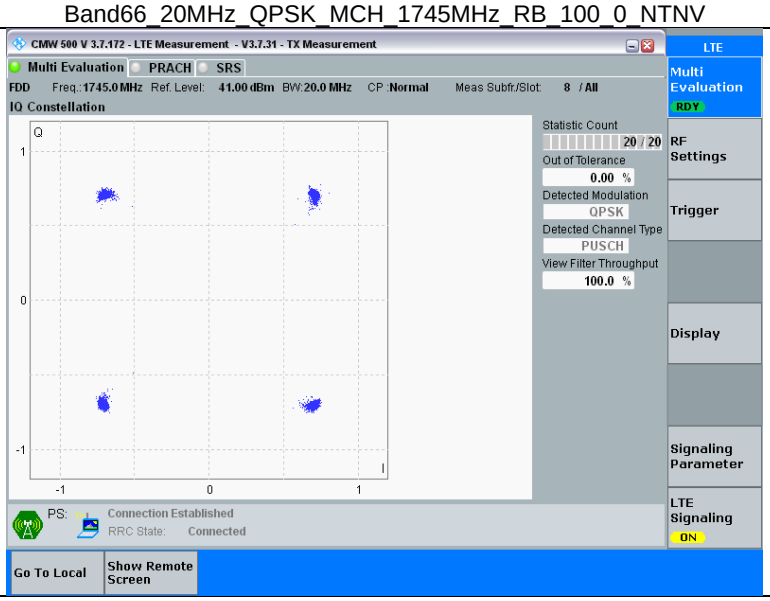
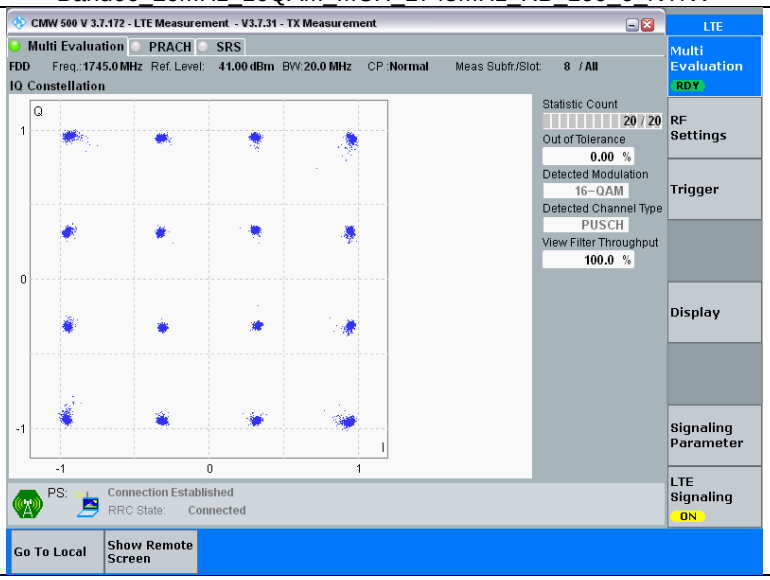
Band66_15MHz_QPSK_MCH_1745MHz_RB_75_0_NTNV




Band66_15MHz_16QAM_MCH_1745MHz_RB_75_0_NTNV



### 3.2.6 B66_20MHz

| Band66_20MHz_QPSK_MCH_1745MHz_RB_100_0_NTNV |
| --- |
|  |
| Band66_20MHz_16QAM_MCH_1745MHz_RB_100_0_NTNV |
|  |

# 4. 99% & 26dB Bandwidth

## 4.1 Test Result

### 4.1.1 Band66_OBW

| 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 | 1.103 | / | Pass |
| | | 1745 | 6 | 0 | 1.119 | / | Pass |
| | | 1779.3 | 6 | 0 | 1.114 | / | Pass |
| | 16QAM | 1710.7 | 6 | 0 | 1.115 | / | Pass |
| | | 1745 | 6 | 0 | 1.111 | / | Pass |
| | | 1779.3 | 6 | 0 | 1.105 | / | Pass |
| 3 | QPSK | 1711.5 | 15 | 0 | 2.724 | / | Pass |
| | | 1745 | 15 | 0 | 2.730 | / | Pass |
| | | 1778.5 | 15 | 0 | 2.730 | / | Pass |
| | 16QAM | 1711.5 | 15 | 0 | 2.728 | / | Pass |
| | | 1745 | 15 | 0 | 2.719 | / | Pass |
| | | 1778.5 | 15 | 0 | 2.727 | / | Pass |
| 5 | QPSK | 1712.5 | 25 | 0 | 4.565 | / | Pass |
| | | 1745 | 25 | 0 | 4.593 | / | Pass |
| | | 1777.5 | 25 | 0 | 4.576 | / | Pass |
| | 16QAM | 1712.5 | 25 | 0 | 4.591 | / | Pass |
| | | 1745 | 25 | 0 | 4.580 | / | Pass |
| | | 1777.5 | 25 | 0 | 4.612 | / | Pass |
| 10 | QPSK | 1715 | 50 | 0 | 9.125 | / | Pass |
| | | 1745 | 50 | 0 | 9.124 | / | Pass |
| | | 1775 | 50 | 0 | 9.064 | / | Pass |
| | 16QAM | 1715 | 50 | 0 | 9.078 | / | Pass |
| | | 1745 | 50 | 0 | 9.107 | / | Pass |
| | | 1775 | 50 | 0 | 9.090 | / | Pass |
| 15 | QPSK | 1717.5 | 75 | 0 | 13.661 | / | Pass |
| | | 1745 | 75 | 0 | 13.644 | / | Pass |
| | | 1772.5 | 75 | 0 | 13.595 | / | Pass |
| | 16QAM | 1717.5 | 75 | 0 | 13.608 | / | Pass |
| | | 1745 | 75 | 0 | 13.677 | / | Pass |
| | | 1772.5 | 75 | 0 | 13.626 | / | Pass |
| 20 | QPSK | 1720 | 100 | 0 | 18.119 | / | Pass |
| | | 1745 | 100 | 0 | 18.136 | / | Pass |
| | | 1770 | 100 | 0 | 18.172 | / | Pass |
| | 16QAM | 1720 | 100 | 0 | 18.205 | / | Pass |
| | | 1745 | 100 | 0 | 18.134 | / | Pass |
| | | 1770 | 100 | 0 | 18.156 | / | Pass |

### 4.1.2 Band66_XDB

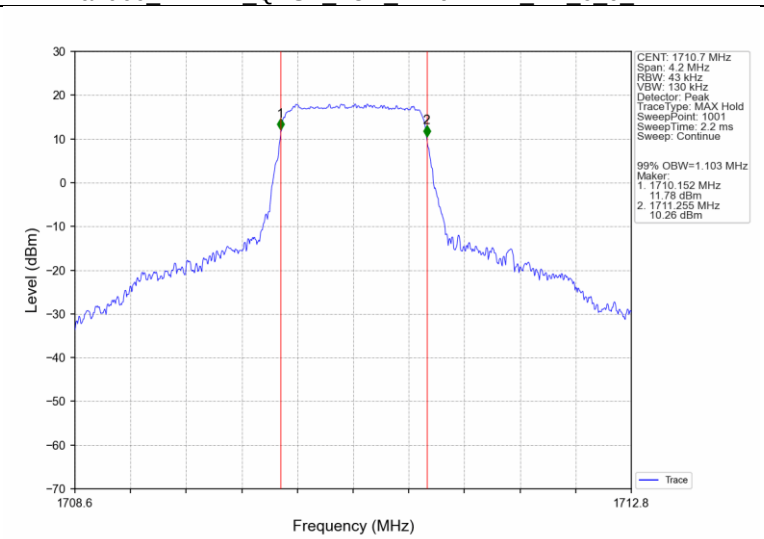
| Band: 66 / NTNV | | | | | | | |
|---|---|---|---|---|---|---|---|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation | | 26dB Bandwidth (MHz) | | Verdict |
| | | | Size | Offset | Result | Limit | |
| 1.4 | QPSK | 1710.7 | 6 | 0 | 1.343 | / | Pass |
| | | 1745 | 6 | 0 | 1.306 | / | Pass |
| | | 1779.3 | 6 | 0 | 1.332 | / | Pass |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | 16QAM | 1710.7 | 6 | 0 | 1.322 | / | Pass |
| | | 1745 | 6 | 0 | 1.328 | / | Pass |
| | | 1779.3 | 6 | 0 | 1.324 | / | Pass |
| 3 | QPSK | 1711.5 | 15 | 0 | 3.011 | / | Pass |
| | | 1745 | 15 | 0 | 2.991 | / | Pass |
| | | 1778.5 | 15 | 0 | 3.010 | / | Pass |
| | 16QAM | 1711.5 | 15 | 0 | 2.974 | / | Pass |
| | | 1745 | 15 | 0 | 3.007 | / | Pass |
| | | 1778.5 | 15 | 0 | 2.989 | / | Pass |
| 5 | QPSK | 1712.5 | 25 | 0 | 5.305 | / | Pass |
| | | 1745 | 25 | 0 | 5.336 | / | Pass |
| | | 1777.5 | 25 | 0 | 5.251 | / | Pass |
| | 16QAM | 1712.5 | 25 | 0 | 5.275 | / | Pass |
| | | 1745 | 25 | 0 | 5.312 | / | Pass |
| | | 1777.5 | 25 | 0 | 5.323 | / | Pass |
| 10 | QPSK | 1715 | 50 | 0 | 14.051 | / | Pass |
| | | 1745 | 50 | 0 | 10.545 | / | Pass |
| | | 1775 | 50 | 0 | 10.223 | / | Pass |
| | 16QAM | 1715 | 50 | 0 | 10.254 | / | Pass |
| | | 1745 | 50 | 0 | 10.283 | / | Pass |
| | | 1775 | 50 | 0 | 10.232 | / | Pass |
| 15 | QPSK | 1717.5 | 75 | 0 | 15.458 | / | Pass |
| | | 1745 | 75 | 0 | 15.490 | / | Pass |
| | | 1772.5 | 75 | 0 | 15.170 | / | Pass |
| | 16QAM | 1717.5 | 75 | 0 | 15.331 | / | Pass |
| | | 1745 | 75 | 0 | 15.485 | / | Pass |
| | | 1772.5 | 75 | 0 | 15.301 | / | Pass |
| 20 | QPSK | 1720 | 100 | 0 | 20.112 | / | Pass |
| | | 1745 | 100 | 0 | 20.422 | / | Pass |
| | | 1770 | 100 | 0 | 22.477 | / | Pass |
| | 16QAM | 1720 | 100 | 0 | 20.025 | / | Pass |
| | | 1745 | 100 | 0 | 20.220 | / | Pass |
| | | 1770 | 100 | 0 | 24.424 | / | Pass |

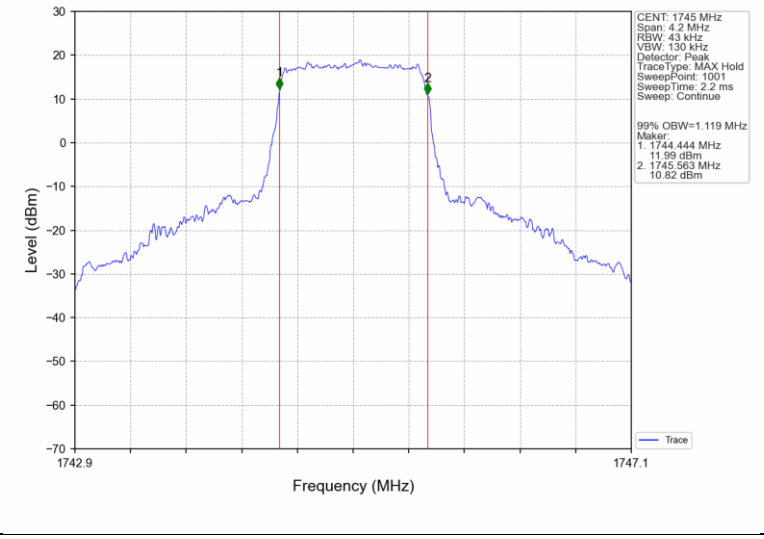
## 4.2 Test Graph

### 4.2.1 Band66_OBW

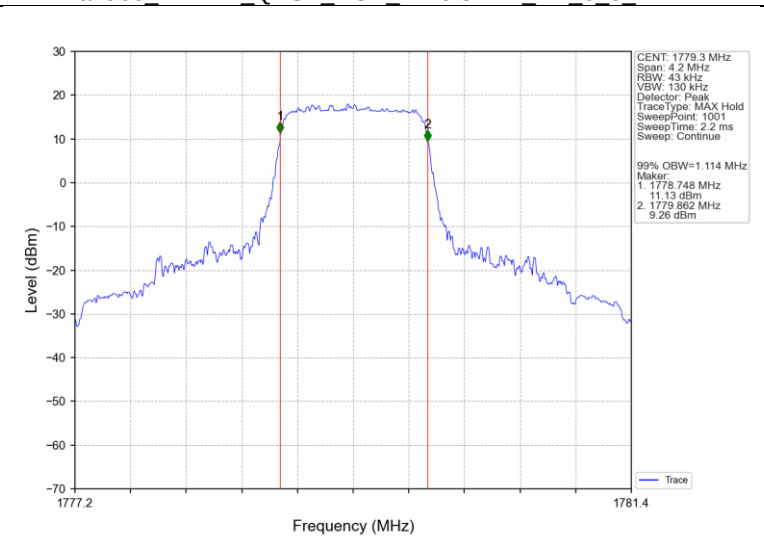
Band66_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



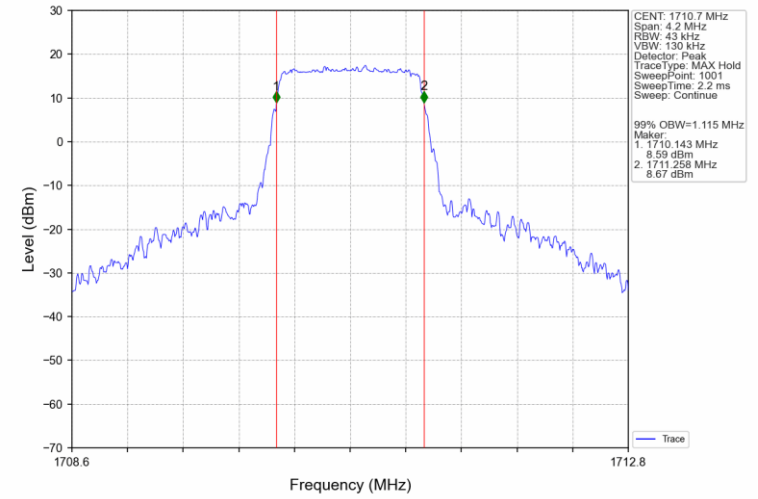

Band66_1.4MHz_QPSK_MCH_1745MHz_RB_6_0_NTNV



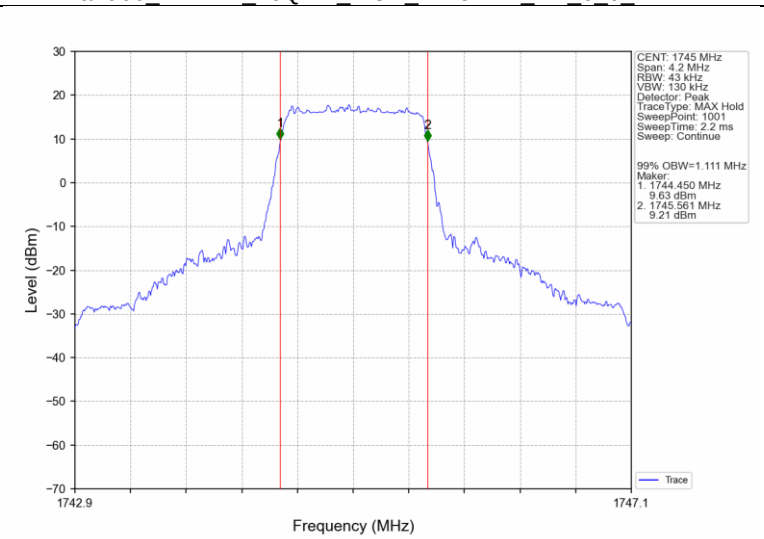
Band66_1.4MHz_QPSK_HCH_1779.3MHz_RB_6_0_NTNV



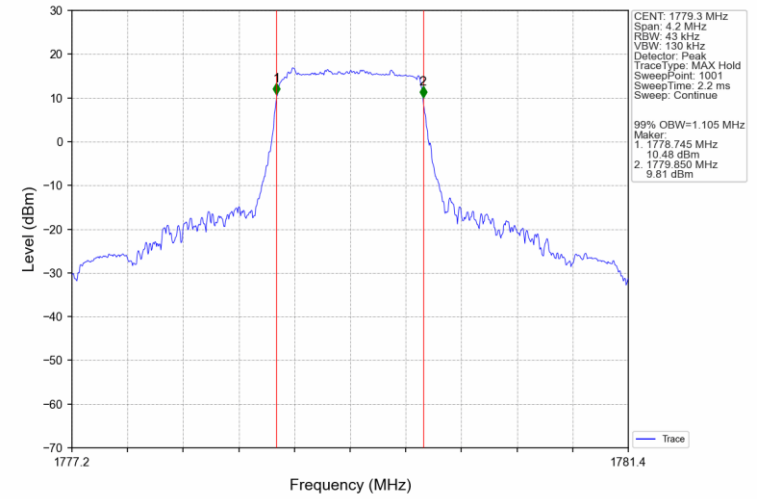

Band66_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



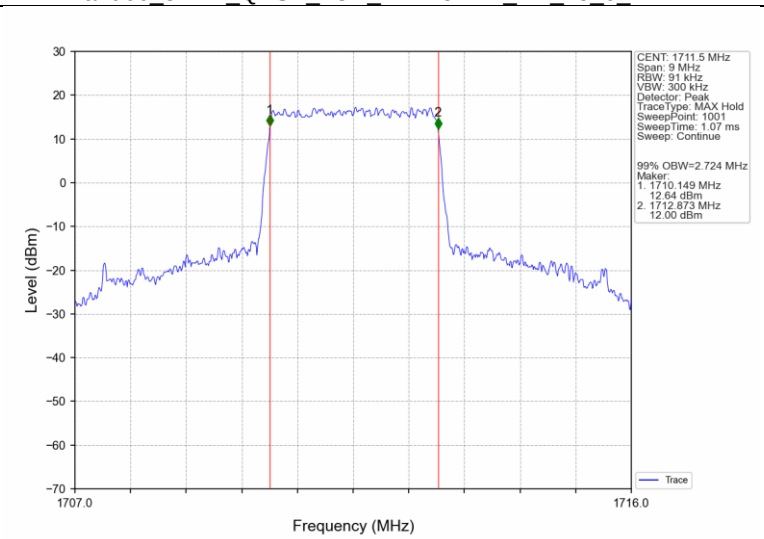
Band66_1.4MHz_16QAM_MCH_1745MHz_RB_6_0_NTNV



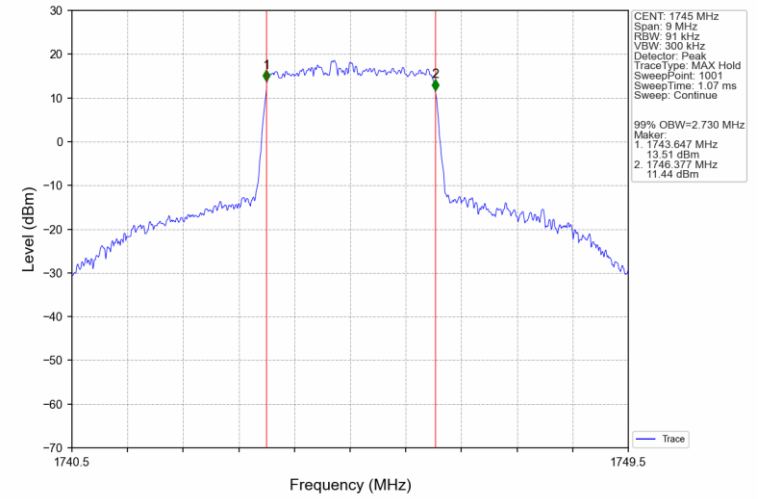

Band66_1.4MHz_16QAM_HCH_1779.3MHz_RB_6_0_NTNV



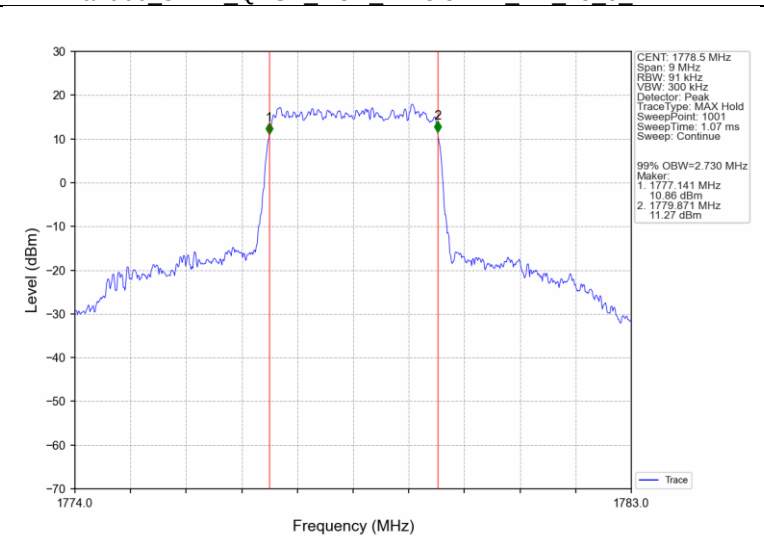
Band66_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



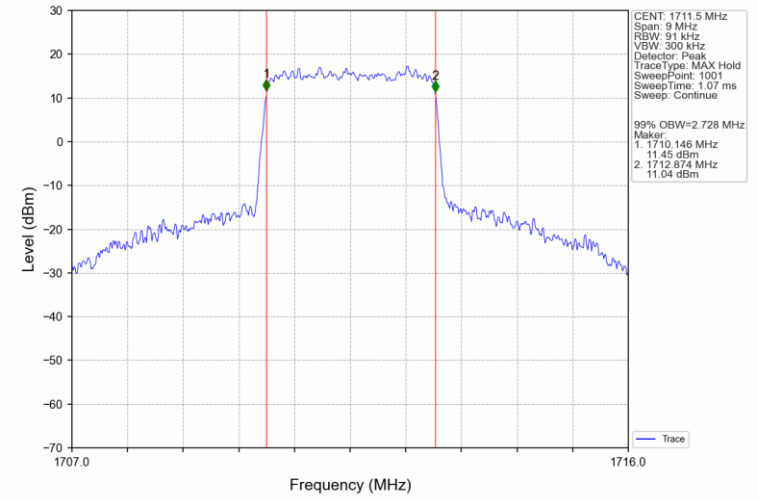

Band66_3MHz_QPSK_MCH_1745MHz_RB_15_0_NTNV



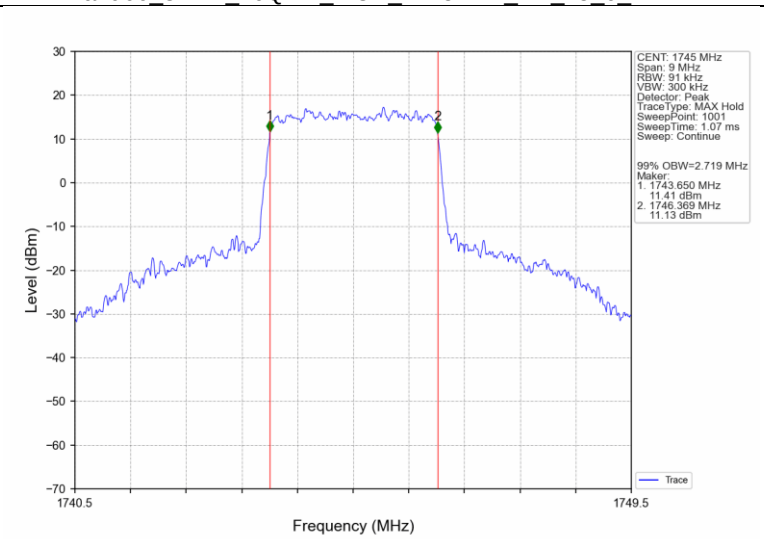
Band66_3MHz_QPSK_HCH_1778.5MHz_RB_15_0_NTNV



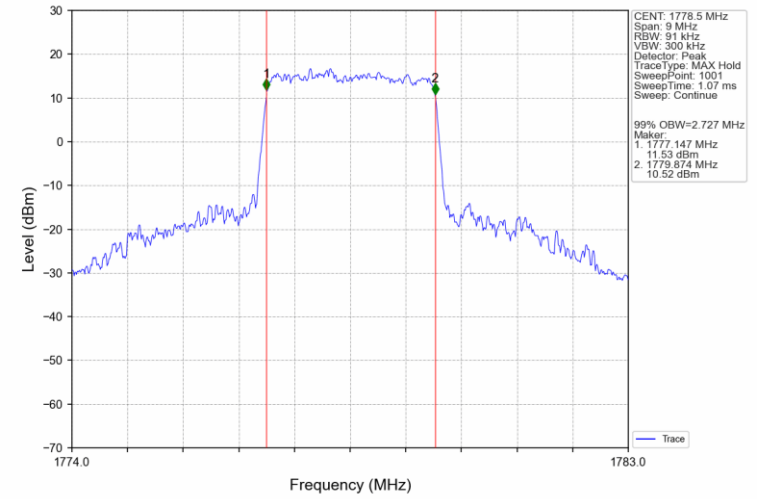

Band66_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



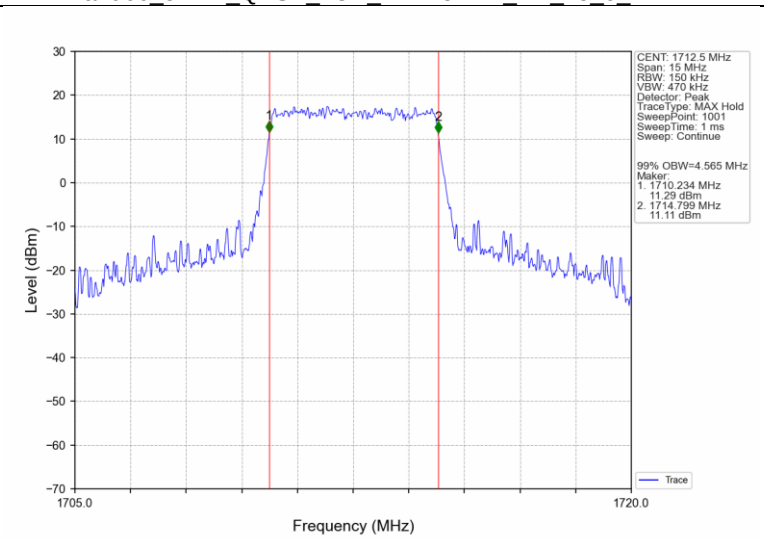
Band66_3MHz_16QAM_MCH_1745MHz_RB_15_0_NTNV



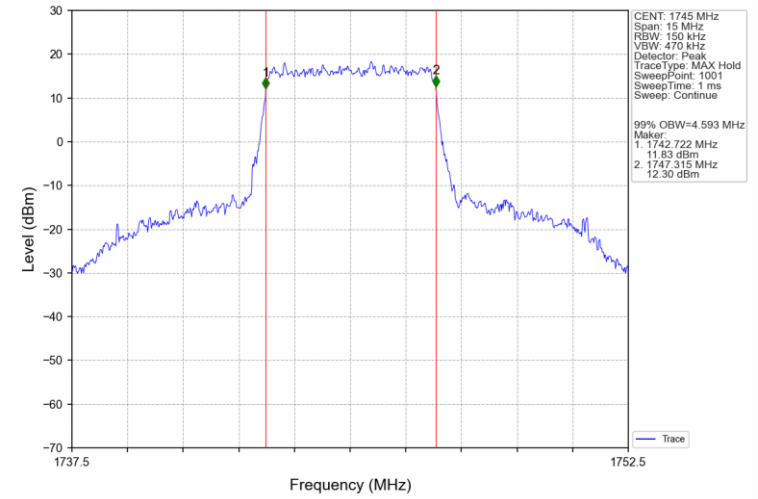

Band66_3MHz_16QAM_HCH_1778.5MHz_RB_15_0_NTNV



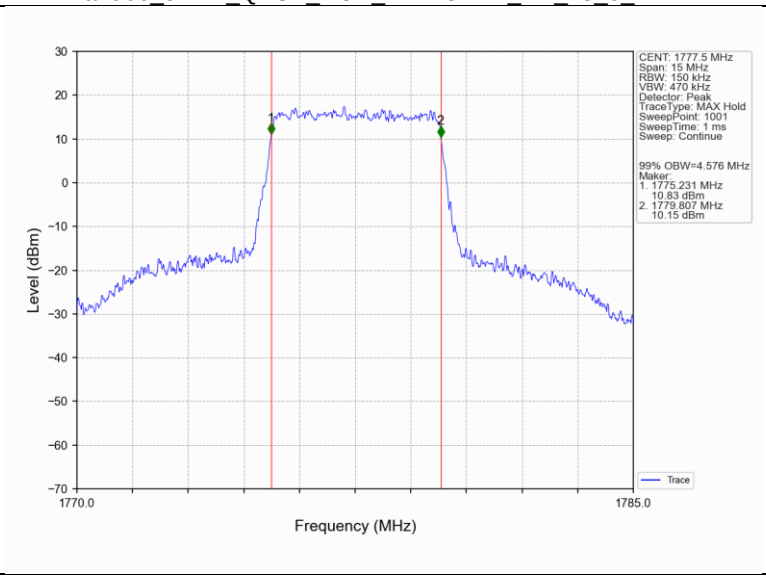
Band66_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



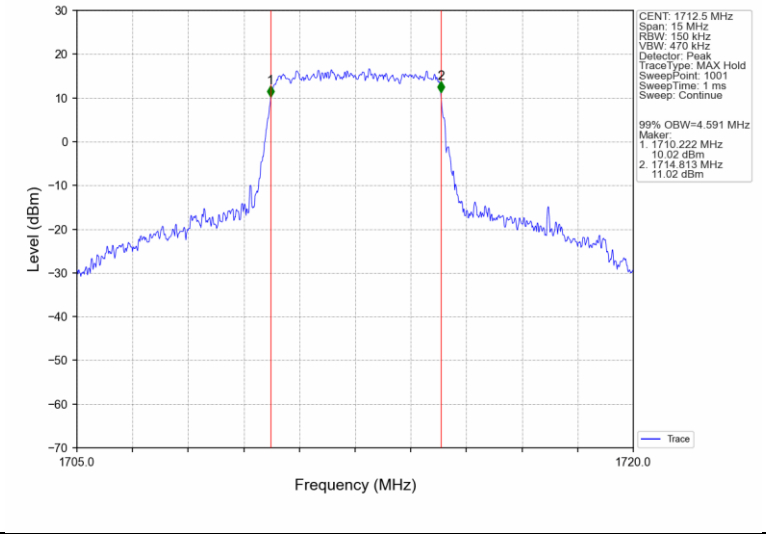

Band66_5MHz_QPSK_MCH_1745MHz_RB_25_0_NTNV



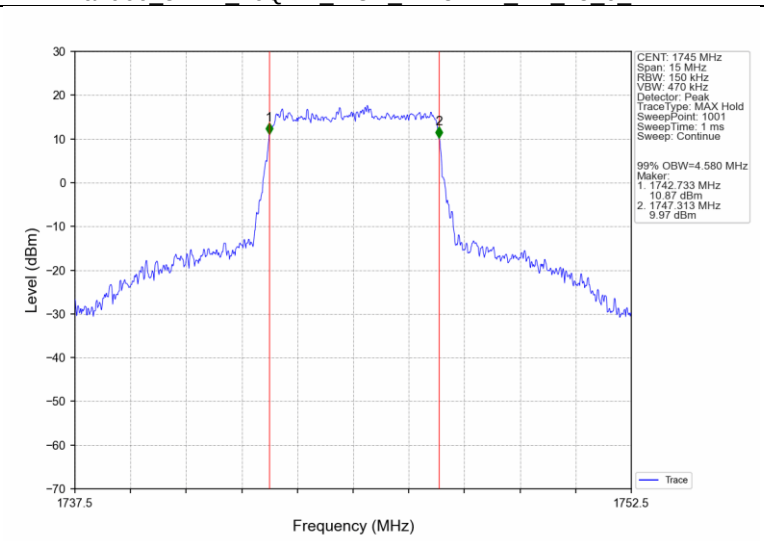
Band66_5MHz_QPSK_HCH_1777.5MHz_RB_25_0_NTNV



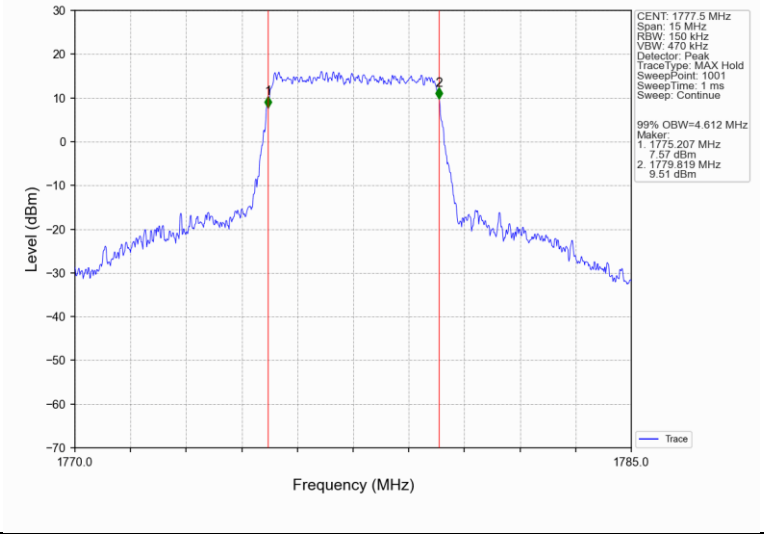

Band66_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



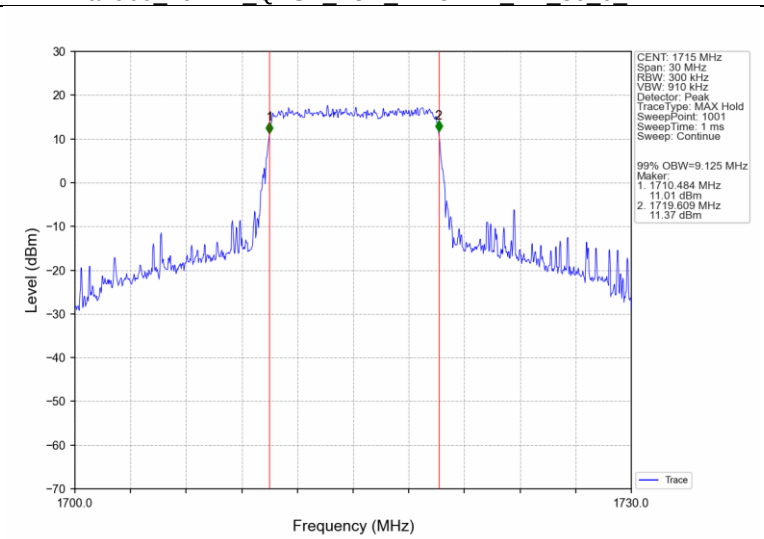
Band66_5MHz_16QAM_MCH_1745MHz_RB_25_0_NTNV



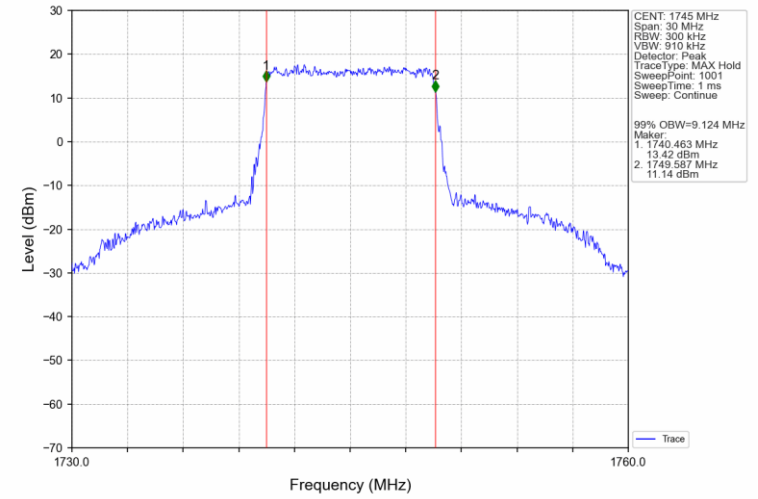

Band66_5MHz_16QAM_HCH_1777.5MHz_RB_25_0_NTNV



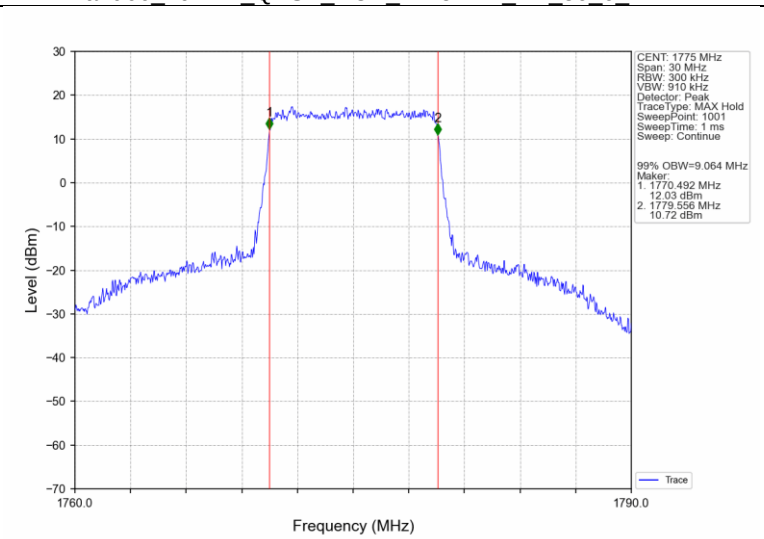
Band66_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



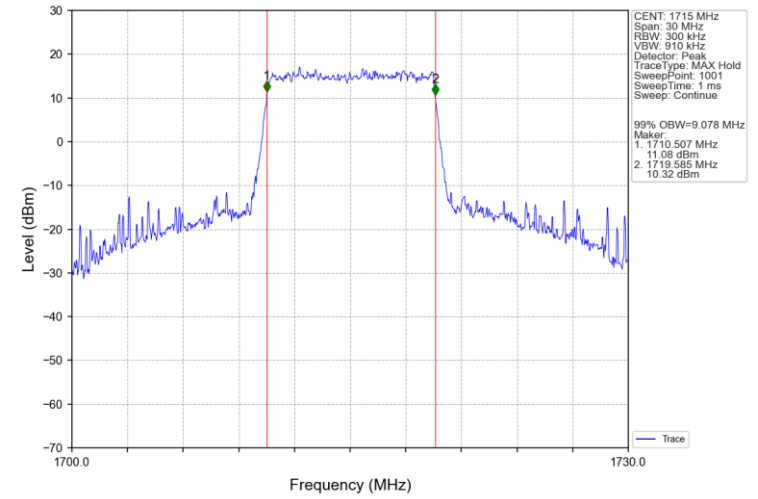

Band66_10MHz_QPSK_MCH_1745MHz_RB_50_0_NTNV



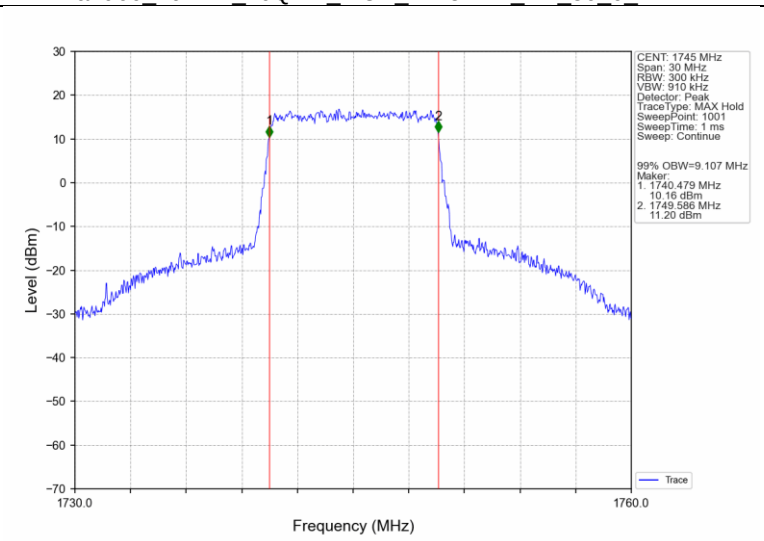
Band66_10MHz_QPSK_HCH_1775MHz_RB_50_0_NTNV



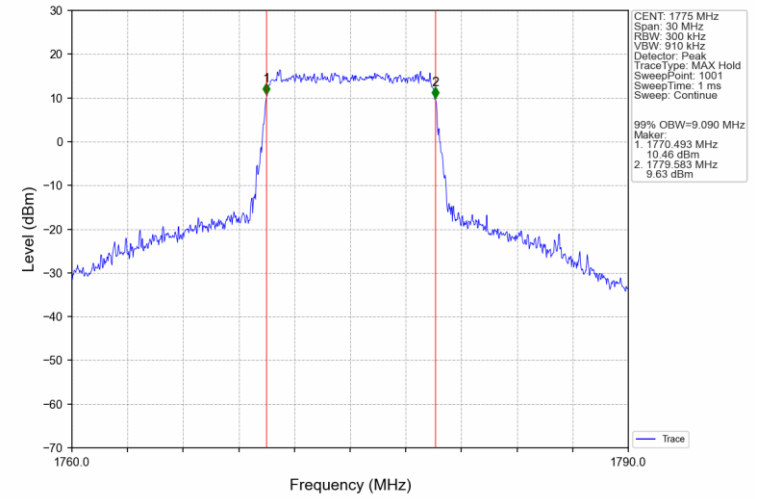

Band66_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



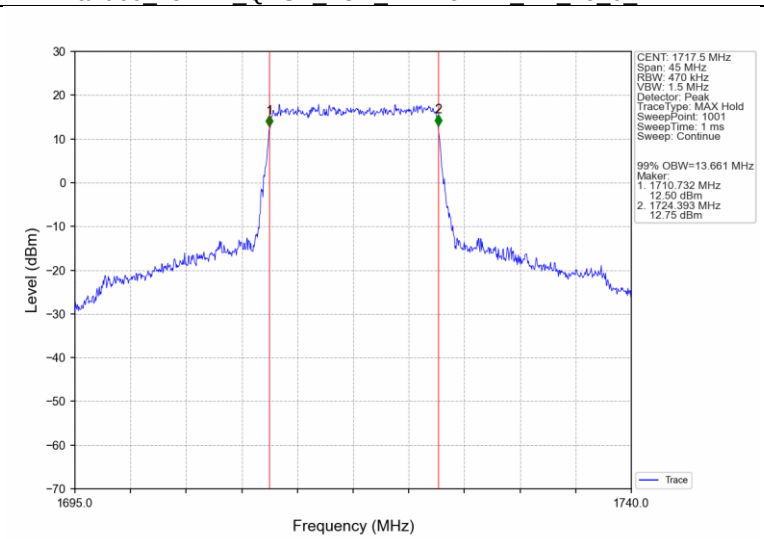
Band66_10MHz_16QAM_MCH_1745MHz_RB_50_0_NTNV



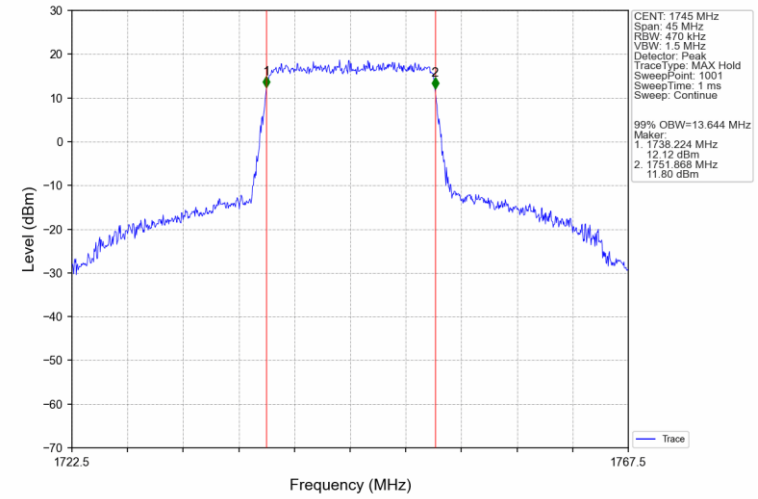

Band66_10MHz_16QAM_HCH_1775MHz_RB_50_0_NTNV



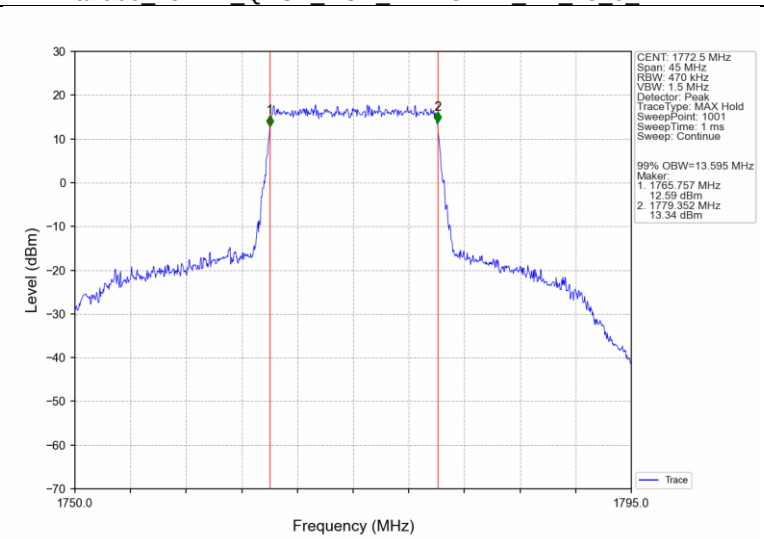
Band66_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



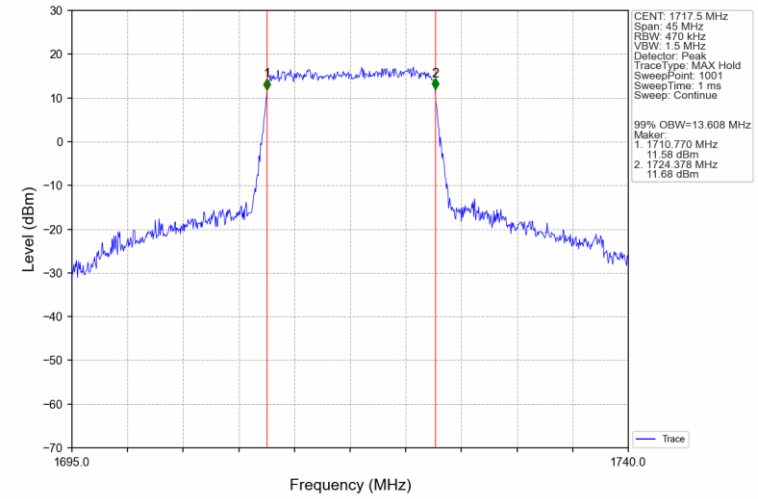

Band66_15MHz_QPSK_MCH_1745MHz_RB_75_0_NTNV



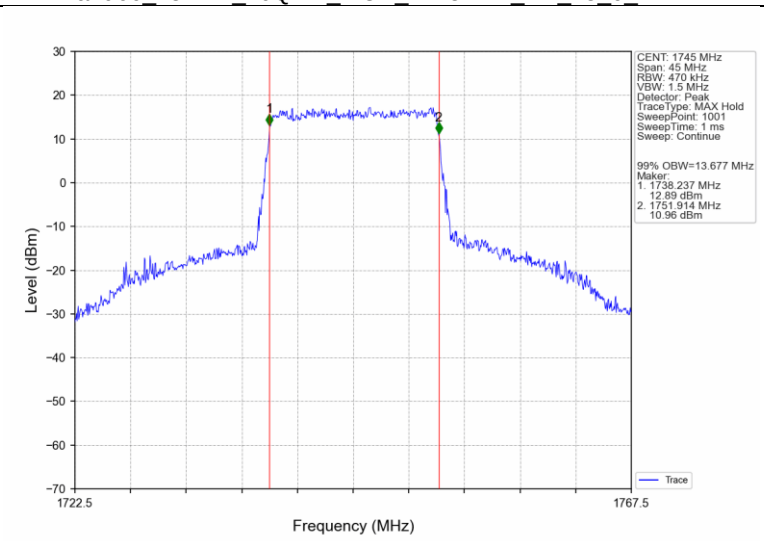
Band66_15MHz_QPSK_HCH_1772.5MHz_RB_75_0_NTNV



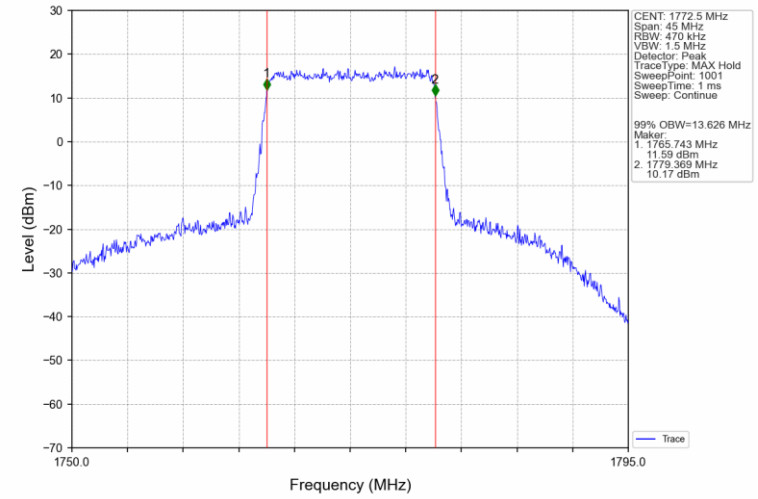

Band66_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV

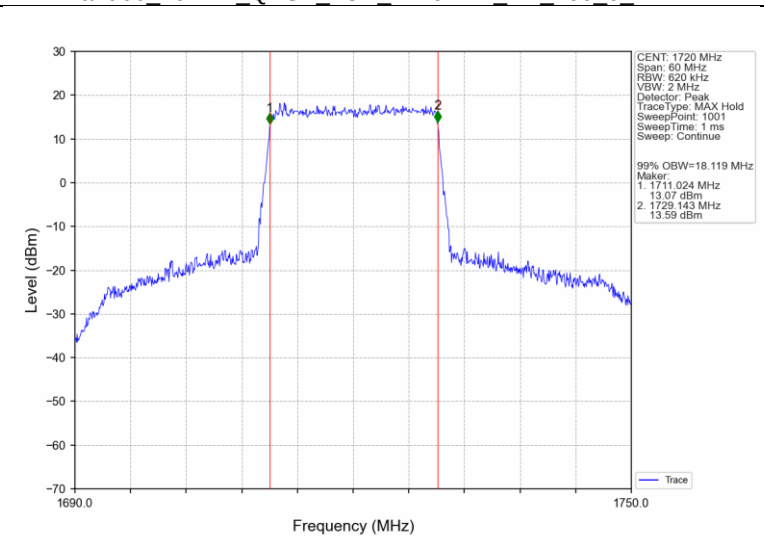
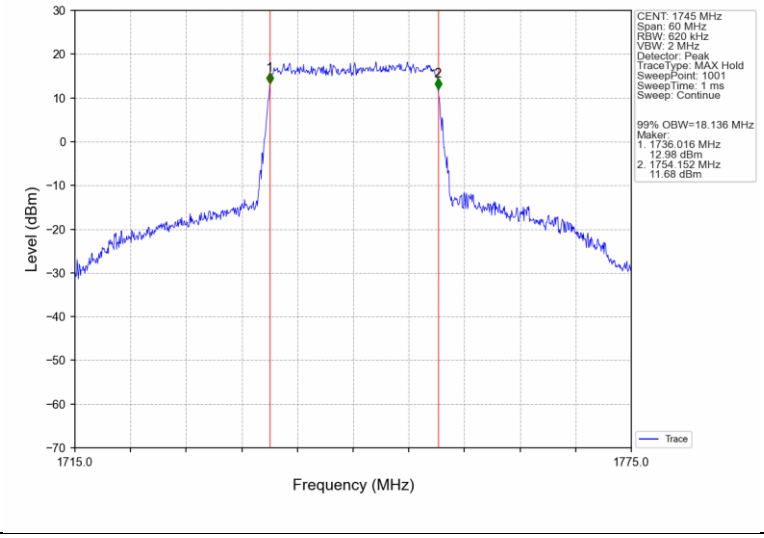


Band66_15MHz_16QAM_MCH_1745MHz_RB_75_0_NTNV

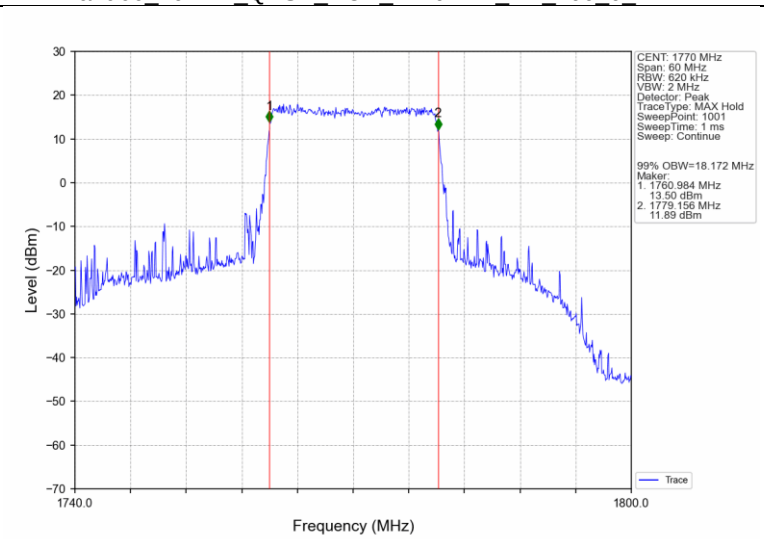



Band66_15MHz_16QAM_HCH_1772.5MHz_RB_75_0_NTNV

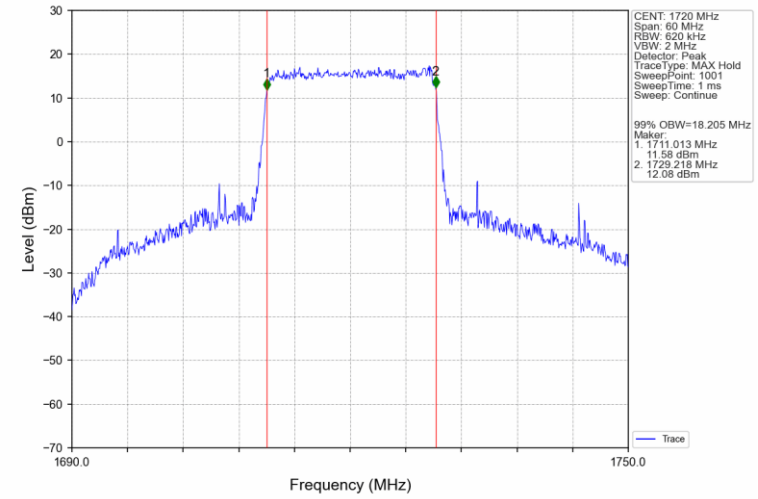


| Band66_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV |
| --- |
|  |
| Band66_20MHz_QPSK_MCH_1745MHz_RB_100_0_NTNV |
|  |

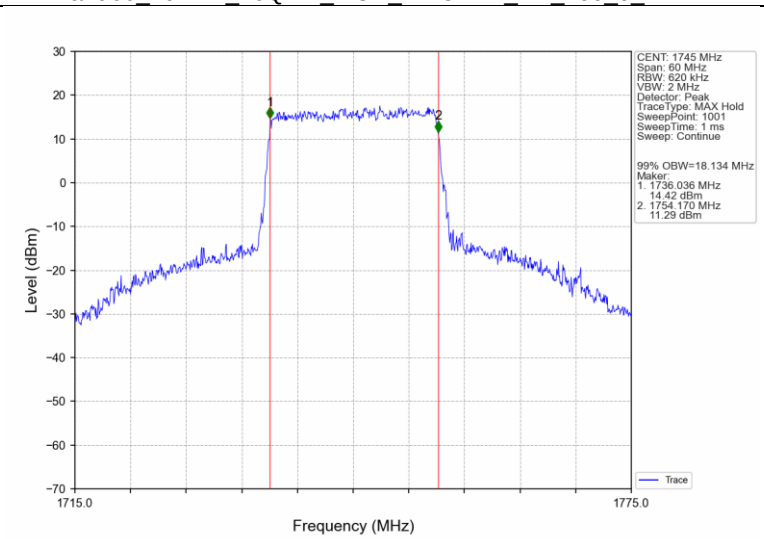
Band66_20MHz_QPSK_HCH_1770MHz_RB_100_0_NTNV



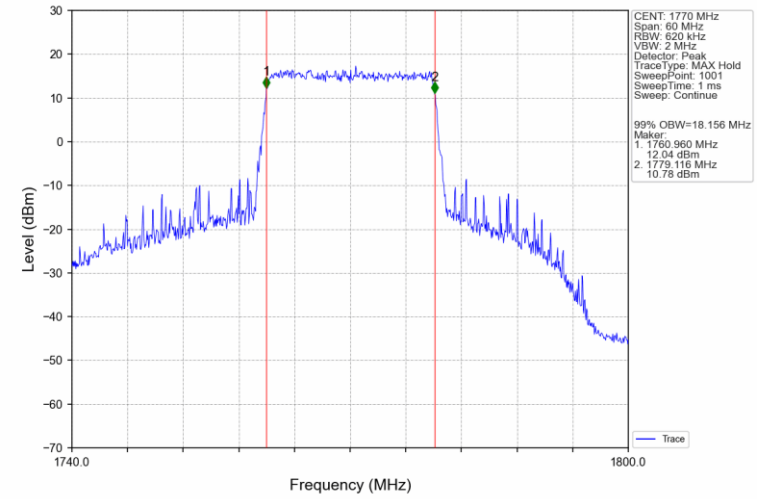

Band66_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



Band66_20MHz_16QAM_MCH_1745MHz_RB_100_0_NTNV

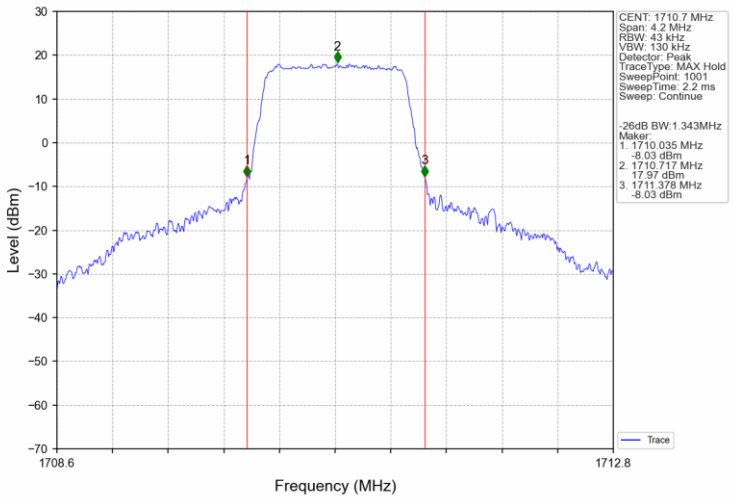



Band66_20MHz_16QAM_HCH_1770MHz_RB_100_0_NTNV

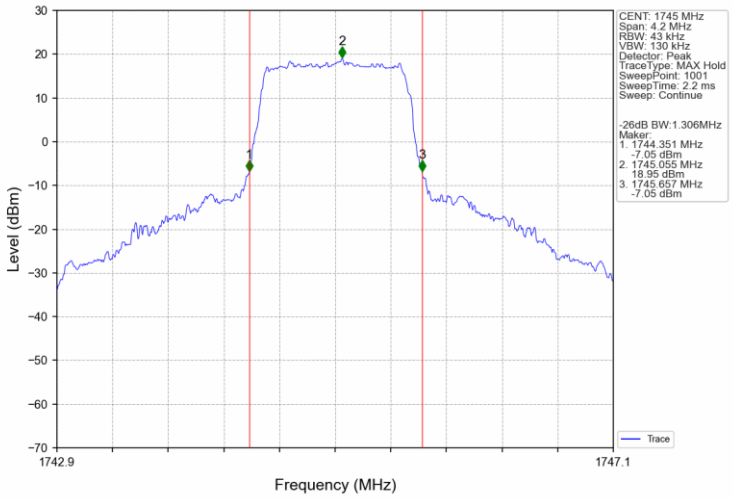


## 4.2.2 Band66_XDB

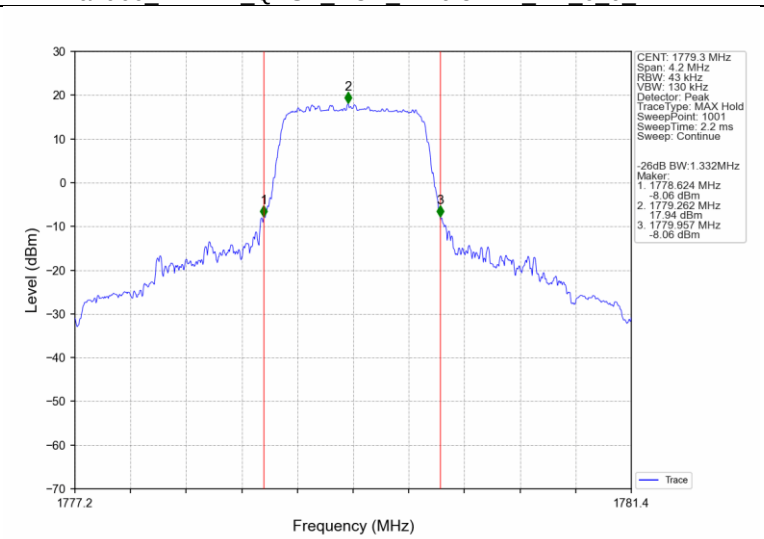
Band66_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



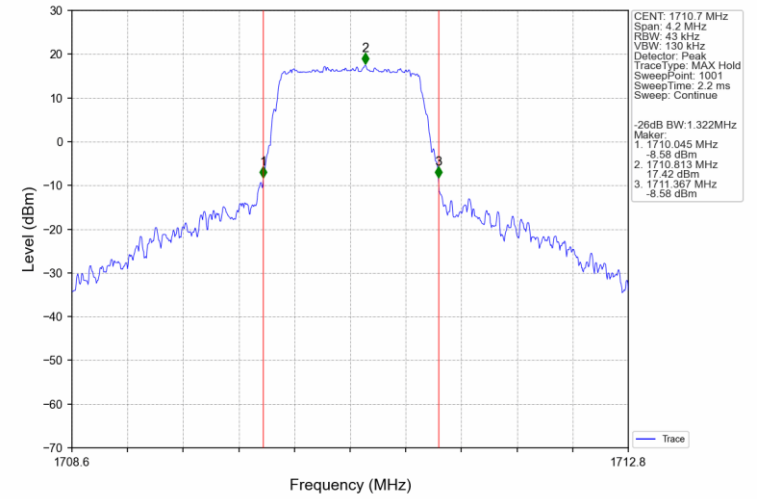

Band66_1.4MHz_QPSK_MCH_1745MHz_RB_6_0_NTNV



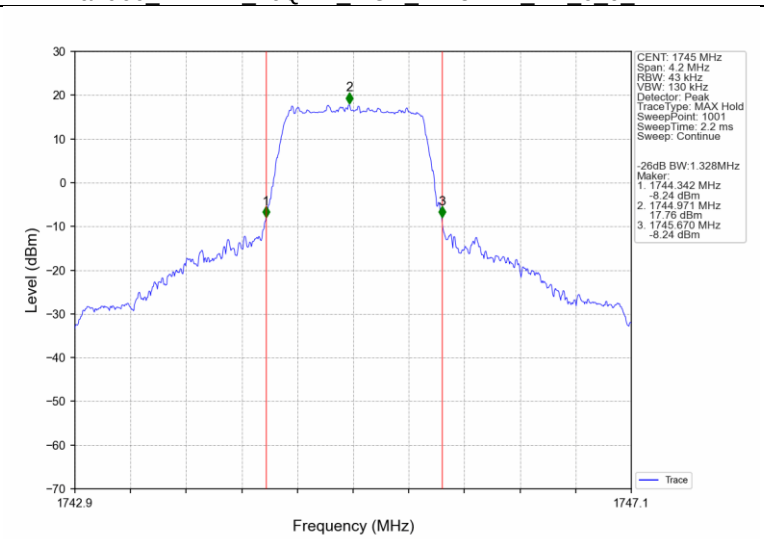
Band66_1.4MHz_QPSK_HCH_1779.3MHz_RB_6_0_NTNV



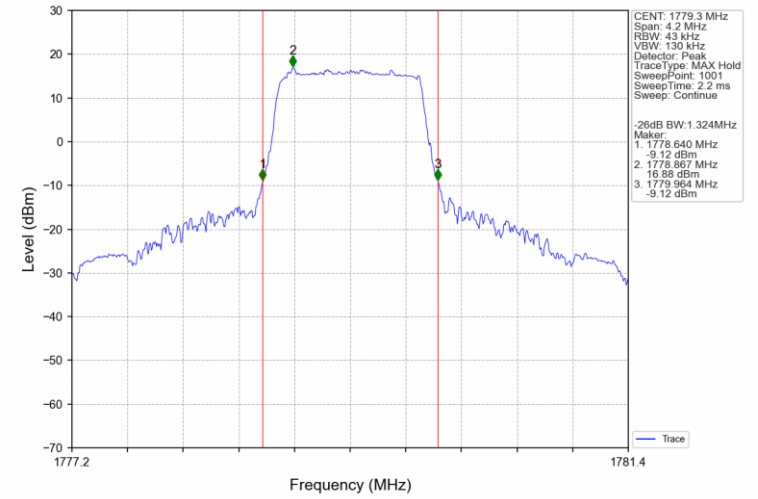

Band66_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



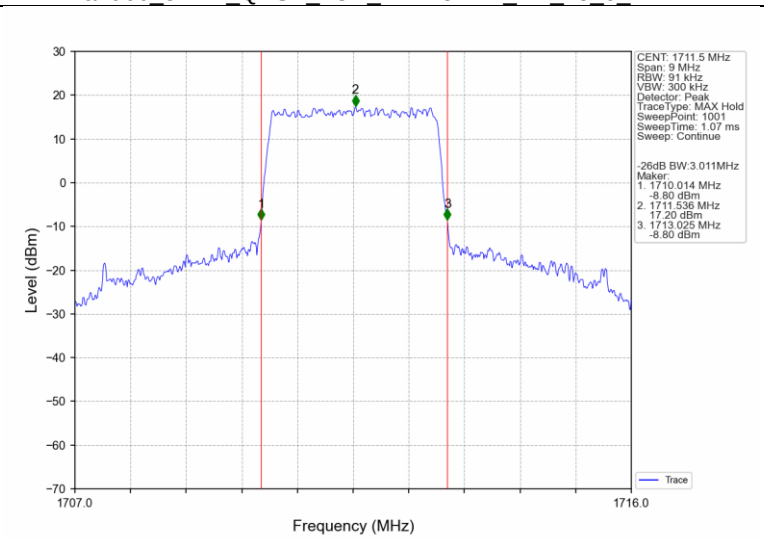
Band66_1.4MHz_16QAM_MCH_1745MHz_RB_6_0_NTNV



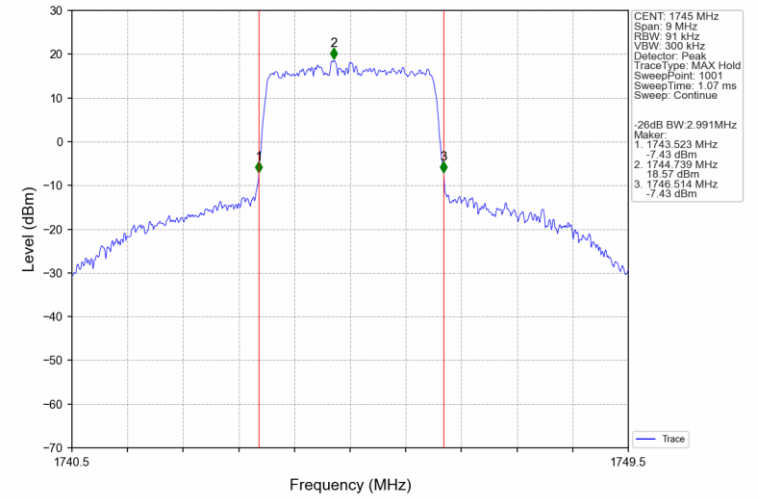

Band66_1.4MHz_16QAM_HCH_1779.3MHz_RB_6_0_NTNV



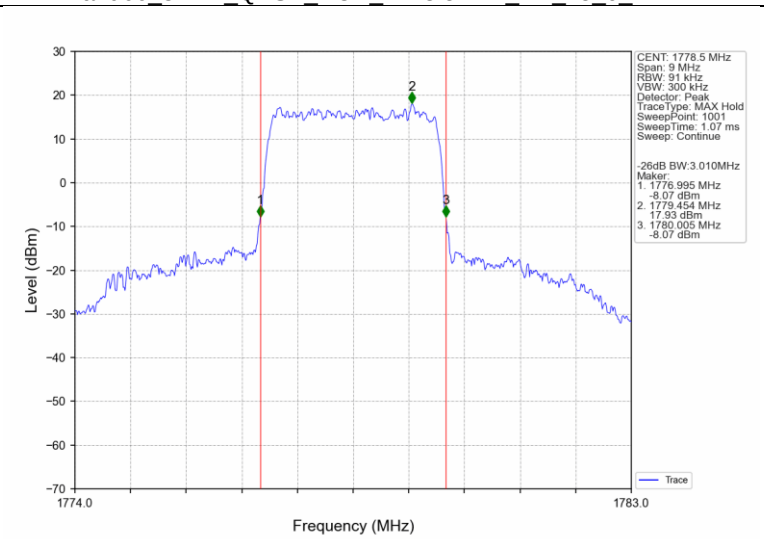
Band66_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



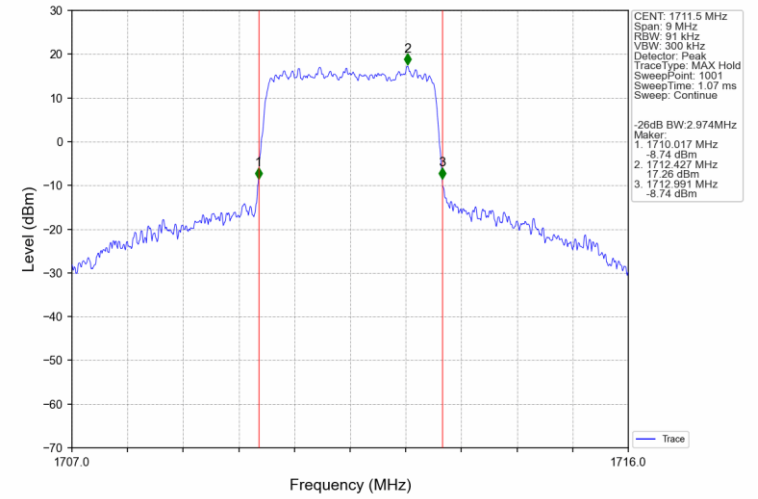

Band66_3MHz_QPSK_MCH_1745MHz_RB_15_0_NTNV



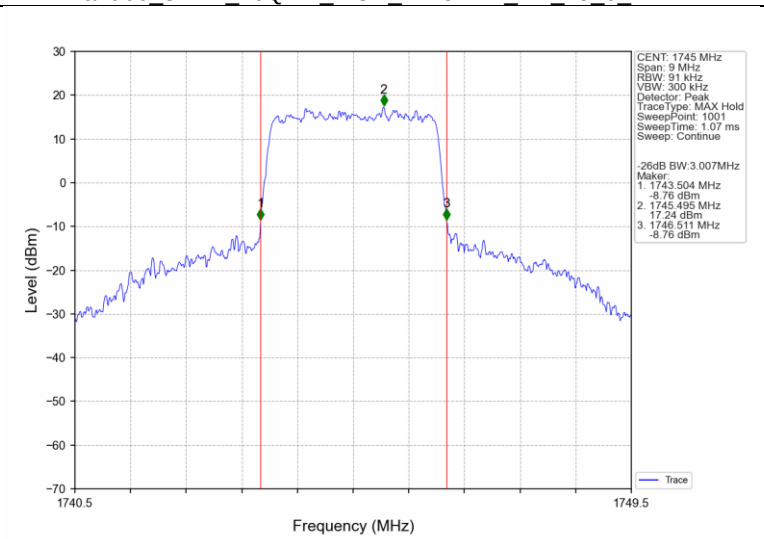
Band66_3MHz_QPSK_HCH_1778.5MHz_RB_15_0_NTNV




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