# 1. Effective (Isotropic) Radiated Power Output Data

## 1.1 Test Result

### 1.1.1 B4_1.4MHz_EIRP

| Band: 4 / 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 | 21.94 | 1.08 | 23.02 | <=30 | Pass |
| | | | 2 | 21.93 | 1.08 | 23.01 | <=30 | Pass |
| | | | 5 | 21.96 | 1.08 | 23.04 | <=30 | Pass |
| | | 3 | 0 | 22.03 | 1.08 | 23.11 | <=30 | Pass |
| | | | 2 | 22.05 | 1.08 | 23.13 | <=30 | Pass |
| | | | 3 | 22.04 | 1.08 | 23.12 | <=30 | Pass |
| | | 6 | 0 | 21.03 | 1.08 | 22.11 | <=30 | Pass |
| | 1732.5 | 1 | 0 | 22.10 | 1.08 | 23.18 | <=30 | Pass |
| | | | 2 | 22.16 | 1.08 | 23.24 | <=30 | Pass |
| | | | 5 | 22.15 | 1.08 | 23.23 | <=30 | Pass |
| | | 3 | 0 | 22.17 | 1.08 | 23.25 | <=30 | Pass |
| | | | 2 | 22.16 | 1.08 | 23.24 | <=30 | Pass |
| | | | 3 | 22.14 | 1.08 | 23.22 | <=30 | Pass |
| | | 6 | 0 | 21.15 | 1.08 | 22.23 | <=30 | Pass |
| | 1754.3 | 1 | 0 | 22.11 | 1.08 | 23.19 | <=30 | Pass |
| | | | 2 | 22.15 | 1.08 | 23.23 | <=30 | Pass |
| | | | 5 | 22.16 | 1.08 | 23.24 | <=30 | Pass |
| | | 3 | 0 | 22.23 | 1.08 | 23.31 | <=30 | Pass |
| | | | 2 | 22.24 | 1.08 | 23.32 | <=30 | Pass |
| | | | 3 | 22.20 | 1.08 | 23.28 | <=30 | Pass |
| | | 6 | 0 | 21.22 | 1.08 | 22.30 | <=30 | Pass |
| 16QAM | 1710.7 | 1 | 0 | 21.03 | 1.08 | 22.11 | <=30 | Pass |
| | | | 2 | 21.02 | 1.08 | 22.10 | <=30 | Pass |
| | | | 5 | 21.03 | 1.08 | 22.11 | <=30 | Pass |
| | | 3 | 0 | 21.20 | 1.08 | 22.28 | <=30 | Pass |
| | | | 2 | 21.25 | 1.08 | 22.33 | <=30 | Pass |
| | | | 3 | 21.26 | 1.08 | 22.34 | <=30 | Pass |
| | | 6 | 0 | 20.17 | 1.08 | 21.25 | <=30 | Pass |
| | 1732.5 | 1 | 0 | 21.18 | 1.08 | 22.26 | <=30 | Pass |
| | | | 2 | 21.17 | 1.08 | 22.25 | <=30 | Pass |
| | | | 5 | 21.20 | 1.08 | 22.28 | <=30 | Pass |
| | | 3 | 0 | 21.20 | 1.08 | 22.28 | <=30 | Pass |
| | | | 2 | 21.15 | 1.08 | 22.23 | <=30 | Pass |
| | | | 3 | 21.17 | 1.08 | 22.25 | <=30 | Pass |
| | | 6 | 0 | 20.21 | 1.08 | 21.29 | <=30 | Pass |
| | 1754.3 | 1 | 0 | 21.34 | 1.08 | 22.42 | <=30 | Pass |
| | | | 2 | 21.40 | 1.08 | 22.48 | <=30 | Pass |
| | | | 5 | 21.36 | 1.08 | 22.44 | <=30 | Pass |
| | | 3 | 0 | 21.20 | 1.08 | 22.28 | <=30 | Pass |
| | | | 2 | 21.20 | 1.08 | 22.28 | <=30 | Pass |
| | | | 3 | 21.18 | 1.08 | 22.26 | <=30 | Pass |
| | | 6 | 0 | 20.21 | 1.08 | 21.29 | <=30 | Pass |
| Note1: EIRP=Conducted Power+Antenna Gain | | | | | | | | |

### 1.1.2 B4_3MHz_EIRP

| Band: 4 / 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 | 21.97 | 1.08 | 23.05 | <=30 | Pass |
| | | | 7 | 22.05 | 1.08 | 23.13 | <=30 | Pass |
| | | | 14 | 22.07 | 1.08 | 23.15 | <=30 | Pass |
| | | 8 | 0 | 21.02 | 1.08 | 22.10 | <=30 | Pass |
| | | | 4 | 21.02 | 1.08 | 22.10 | <=30 | Pass |
| | | | 7 | 21.03 | 1.08 | 22.11 | <=30 | Pass |
| | | 15 | 0 | 21.02 | 1.08 | 22.10 | <=30 | Pass |
| | 1732.5 | 1 | 0 | 22.10 | 1.08 | 23.18 | <=30 | Pass |
| | | | 7 | 22.12 | 1.08 | 23.20 | <=30 | Pass |
| | | | 14 | 22.08 | 1.08 | 23.16 | <=30 | Pass |
| | | 8 | 0 | 21.18 | 1.08 | 22.26 | <=30 | Pass |
| | | | 4 | 21.11 | 1.08 | 22.19 | <=30 | Pass |
| | | | 7 | 21.11 | 1.08 | 22.19 | <=30 | Pass |
| | | 15 | 0 | 21.13 | 1.08 | 22.21 | <=30 | Pass |
| | 1753.5 | 1 | 0 | 22.17 | 1.08 | 23.25 | <=30 | Pass |
| | | | 7 | 22.22 | 1.08 | 23.30 | <=30 | Pass |
| | | | 14 | 22.21 | 1.08 | 23.29 | <=30 | Pass |
| | | 8 | 0 | 21.16 | 1.08 | 22.24 | <=30 | Pass |
| | | | 4 | 21.21 | 1.08 | 22.29 | <=30 | Pass |
| | | | 7 | 21.18 | 1.08 | 22.26 | <=30 | Pass |
| | | 15 | 0 | 21.16 | 1.08 | 22.24 | <=30 | Pass |
| 16QAM | 1711.5 | 1 | 0 | 21.06 | 1.08 | 22.14 | <=30 | Pass |
| | | | 7 | 21.13 | 1.08 | 22.21 | <=30 | Pass |
| | | | 14 | 21.11 | 1.08 | 22.19 | <=30 | Pass |
| | | 8 | 0 | 20.24 | 1.08 | 21.32 | <=30 | Pass |
| | | | 4 | 20.25 | 1.08 | 21.33 | <=30 | Pass |
| | | | 7 | 20.25 | 1.08 | 21.33 | <=30 | Pass |
| | | 15 | 0 | 20.23 | 1.08 | 21.31 | <=30 | Pass |
| | 1732.5 | 1 | 0 | 21.33 | 1.08 | 22.41 | <=30 | Pass |
| | | | 7 | 21.33 | 1.08 | 22.41 | <=30 | Pass |
| | | | 14 | 21.27 | 1.08 | 22.35 | <=30 | Pass |
| | | 8 | 0 | 20.31 | 1.08 | 21.39 | <=30 | Pass |
| | | | 4 | 20.25 | 1.08 | 21.33 | <=30 | Pass |
| | | | 7 | 20.22 | 1.08 | 21.30 | <=30 | Pass |
| | | 15 | 0 | 20.23 | 1.08 | 21.31 | <=30 | Pass |
| | 1753.5 | 1 | 0 | 21.68 | 1.08 | 22.76 | <=30 | Pass |
| | | | 7 | 21.72 | 1.08 | 22.80 | <=30 | Pass |
| | | | 14 | 21.70 | 1.08 | 22.78 | <=30 | Pass |
| | | 8 | 0 | 20.35 | 1.08 | 21.43 | <=30 | Pass |
| | | | 4 | 20.36 | 1.08 | 21.44 | <=30 | Pass |
| | | | 7 | 20.37 | 1.08 | 21.45 | <=30 | Pass |
| | | 15 | 0 | 20.24 | 1.08 | 21.32 | <=30 | Pass |
| Note1: EIRP=Conducted Power+Antenna Gain | | | | | | | | |

## 1.1.3 B4_5MHz_EIRP

| Band: 4 / 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 | 21.82 | 1.08 | 22.90 | <=30 | Pass |
| | | | 13 | 21.87 | 1.08 | 22.95 | <=30 | Pass |
| | | | 24 | 21.87 | 1.08 | 22.95 | <=30 | Pass |
| | | 12 | 0 | 20.78 | 1.08 | 21.86 | <=30 | Pass |
| | | | 6 | 20.82 | 1.08 | 21.90 | <=30 | Pass |
| | | | 13 | 20.89 | 1.08 | 21.97 | <=30 | Pass |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | 25 | 0 | 20.90 | 1.08 | 21.98 | <=30 | Pass |
| | 1732.5 | 1 | 0 | 22.17 | 1.08 | 23.25 | <=30 | Pass |
| | | | 13 | 22.19 | 1.08 | 23.27 | <=30 | Pass |
| | | | 24 | 22.16 | 1.08 | 23.24 | <=30 | Pass |
| | | 12 | 0 | 21.14 | 1.08 | 22.22 | <=30 | Pass |
| | | | 6 | 20.92 | 1.08 | 22.00 | <=30 | Pass |
| | | | 13 | 20.88 | 1.08 | 21.96 | <=30 | Pass |
| | | 25 | 0 | 20.92 | 1.08 | 22.00 | <=30 | Pass |
| | 1752.5 | 1 | 0 | 21.97 | 1.08 | 23.05 | <=30 | Pass |
| | | | 13 | 21.96 | 1.08 | 23.04 | <=30 | Pass |
| | | | 24 | 21.98 | 1.08 | 23.06 | <=30 | Pass |
| | | 12 | 0 | 20.92 | 1.08 | 22.00 | <=30 | Pass |
| | | | 6 | 20.95 | 1.08 | 22.03 | <=30 | Pass |
| | | | 13 | 20.95 | 1.08 | 22.03 | <=30 | Pass |
| | | 25 | 0 | 20.98 | 1.08 | 22.06 | <=30 | Pass |
| 16QAM | 1712.5 | 1 | 0 | 21.19 | 1.08 | 22.27 | <=30 | Pass |
| | | | 13 | 21.25 | 1.08 | 22.33 | <=30 | Pass |
| | | | 24 | 21.23 | 1.08 | 22.31 | <=30 | Pass |
| | | 12 | 0 | 20.05 | 1.08 | 21.13 | <=30 | Pass |
| | | | 6 | 20.12 | 1.08 | 21.20 | <=30 | Pass |
| | | | 13 | 20.18 | 1.08 | 21.26 | <=30 | Pass |
| | | 25 | 0 | 20.13 | 1.08 | 21.21 | <=30 | Pass |
| | 1732.5 | 1 | 0 | 21.05 | 1.08 | 22.13 | <=30 | Pass |
| | | | 13 | 21.03 | 1.08 | 22.11 | <=30 | Pass |
| | | | 24 | 21.06 | 1.08 | 22.14 | <=30 | Pass |
| | | 12 | 0 | 20.09 | 1.08 | 21.17 | <=30 | Pass |
| | | | 6 | 20.07 | 1.08 | 21.15 | <=30 | Pass |
| | | | 13 | 20.01 | 1.08 | 21.09 | <=30 | Pass |
| | | 25 | 0 | 20.12 | 1.08 | 21.20 | <=30 | Pass |
| | 1752.5 | 1 | 0 | 21.26 | 1.08 | 22.34 | <=30 | Pass |
| | | | 13 | 21.26 | 1.08 | 22.34 | <=30 | Pass |
| | | | 24 | 21.26 | 1.08 | 22.34 | <=30 | Pass |
| | | 12 | 0 | 19.95 | 1.08 | 21.03 | <=30 | Pass |
| | | | 6 | 19.99 | 1.08 | 21.07 | <=30 | Pass |
| | | | 13 | 20.05 | 1.08 | 21.13 | <=30 | Pass |
| | | 25 | 0 | 19.99 | 1.08 | 21.07 | <=30 | Pass |
| Note1: EIRP=Conducted Power+Antenna Gain | | | | | | | | |

## 1.1.4 B4_10MHz_EIRP

| Band: 4 / Bandwidth: 10MHz / NTNV | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Conducted Power (dBm) | Gain (dBi) | EIRP (dBm) | | Verdict |
| | | Size | Offset | | | Result | Limit | |
| QPSK | 1715 | 1 | 0 | 21.83 | 1.08 | 22.91 | <=30 | Pass |
| | | | 25 | 22.01 | 1.08 | 23.09 | <=30 | Pass |
| | | | 49 | 21.91 | 1.08 | 22.99 | <=30 | Pass |
| | | 25 | 0 | 20.79 | 1.08 | 21.87 | <=30 | Pass |
| | | | 13 | 20.95 | 1.08 | 22.03 | <=30 | Pass |
| | | | 25 | 21.04 | 1.08 | 22.12 | <=30 | Pass |
| | | 50 | 0 | 20.98 | 1.08 | 22.06 | <=30 | Pass |
| | 1732.5 | 1 | 0 | 22.03 | 1.08 | 23.11 | <=30 | Pass |
| | | | 25 | 22.09 | 1.08 | 23.17 | <=30 | Pass |
| | | | 49 | 22.03 | 1.08 | 23.11 | <=30 | Pass |
| | | 25 | 0 | 21.10 | 1.08 | 22.18 | <=30 | Pass |
| | | | 13 | 21.06 | 1.08 | 22.14 | <=30 | Pass |
| | | | 25 | 20.99 | 1.08 | 22.07 | <=30 | Pass |
| | | 50 | 0 | 21.11 | 1.08 | 22.19 | <=30 | Pass |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | 1750 | 1 | 0 | 22.00 | 1.08 | 23.08 | <=30 | Pass |
| | | | 25 | 22.10 | 1.08 | 23.18 | <=30 | Pass |
| | | | 49 | 22.08 | 1.08 | 23.16 | <=30 | Pass |
| | | 25 | 0 | 21.00 | 1.08 | 22.08 | <=30 | Pass |
| | | | 13 | 21.06 | 1.08 | 22.14 | <=30 | Pass |
| | | | 25 | 21.10 | 1.08 | 22.18 | <=30 | Pass |
| | | 50 | 0 | 21.08 | 1.08 | 22.16 | <=30 | Pass |
| 16QAM | 1715 | 1 | 0 | 21.45 | 1.08 | 22.53 | <=30 | Pass |
| | | | 25 | 21.55 | 1.08 | 22.63 | <=30 | Pass |
| | | | 49 | 21.43 | 1.08 | 22.51 | <=30 | Pass |
| | | 25 | 0 | 20.02 | 1.08 | 21.10 | <=30 | Pass |
| | | | 13 | 20.21 | 1.08 | 21.29 | <=30 | Pass |
| | | | 25 | 20.29 | 1.08 | 21.37 | <=30 | Pass |
| | | 50 | 0 | 20.15 | 1.08 | 21.23 | <=30 | Pass |
| | 1732.5 | 1 | 0 | 21.03 | 1.08 | 22.11 | <=30 | Pass |
| | | | 25 | 21.09 | 1.08 | 22.17 | <=30 | Pass |
| | | | 49 | 21.03 | 1.08 | 22.11 | <=30 | Pass |
| | | 25 | 0 | 20.37 | 1.08 | 21.45 | <=30 | Pass |
| | | | 13 | 20.32 | 1.08 | 21.40 | <=30 | Pass |
| | | | 25 | 20.23 | 1.08 | 21.31 | <=30 | Pass |
| | | 50 | 0 | 20.24 | 1.08 | 21.32 | <=30 | Pass |
| | 1750 | 1 | 0 | 21.16 | 1.08 | 22.24 | <=30 | Pass |
| | | | 25 | 21.26 | 1.08 | 22.34 | <=30 | Pass |
| | | | 49 | 21.23 | 1.08 | 22.31 | <=30 | Pass |
| | | 25 | 0 | 20.03 | 1.08 | 21.11 | <=30 | Pass |
| | | | 13 | 20.08 | 1.08 | 21.16 | <=30 | Pass |
| | | | 25 | 20.14 | 1.08 | 21.22 | <=30 | Pass |
| | | 50 | 0 | 20.07 | 1.08 | 21.15 | <=30 | Pass |
| Note1: EIRP=Conducted Power+Antenna Gain | | | | | | | | |

## 1.1.5 B4_15MHz_EIRP

| Band: 4 / 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 | 21.79 | 1.08 | 22.87 | <=30 | Pass |
| | | | 38 | 21.96 | 1.08 | 23.04 | <=30 | Pass |
| | | | 74 | 21.89 | 1.08 | 22.97 | <=30 | Pass |
| | | 36 | 0 | 20.87 | 1.08 | 21.95 | <=30 | Pass |
| | | | 18 | 20.95 | 1.08 | 22.03 | <=30 | Pass |
| | | | 39 | 20.99 | 1.08 | 22.07 | <=30 | Pass |
| | | 75 | 0 | 20.95 | 1.08 | 22.03 | <=30 | Pass |
| | 1732.5 | 1 | 0 | 21.96 | 1.08 | 23.04 | <=30 | Pass |
| | | | 38 | 22.08 | 1.08 | 23.16 | <=30 | Pass |
| | | | 74 | 21.99 | 1.08 | 23.07 | <=30 | Pass |
| | | 36 | 0 | 21.08 | 1.08 | 22.16 | <=30 | Pass |
| | | | 18 | 21.04 | 1.08 | 22.12 | <=30 | Pass |
| | | | 39 | 21.05 | 1.08 | 22.13 | <=30 | Pass |
| | | 75 | 0 | 21.08 | 1.08 | 22.16 | <=30 | Pass |
| | 1747.5 | 1 | 0 | 21.97 | 1.08 | 23.05 | <=30 | Pass |
| | | | 38 | 22.09 | 1.08 | 23.17 | <=30 | Pass |
| | | | 74 | 22.06 | 1.08 | 23.14 | <=30 | Pass |
| | | 36 | 0 | 21.00 | 1.08 | 22.08 | <=30 | Pass |
| | | | 18 | 21.08 | 1.08 | 22.16 | <=30 | Pass |
| | | | 39 | 21.11 | 1.08 | 22.19 | <=30 | Pass |
| | | 75 | 0 | 21.10 | 1.08 | 22.18 | <=30 | Pass |
| 16QAM | 1717.5 | 1 | 0 | 21.23 | 1.08 | 22.31 | <=30 | Pass |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | 38 | 21.41 | 1.08 | 22.49 | <=30 | Pass |
| | | | 74 | 21.31 | 1.08 | 22.39 | <=30 | Pass |
| | | 36 | 0 | 20.01 | 1.08 | 21.09 | <=30 | Pass |
| | | | 18 | 20.12 | 1.08 | 21.20 | <=30 | Pass |
| | | | 39 | 20.13 | 1.08 | 21.21 | <=30 | Pass |
| | | 75 | 0 | 20.10 | 1.08 | 21.18 | <=30 | Pass |
| | 1732.5 | 1 | 0 | 21.15 | 1.08 | 22.23 | <=30 | Pass |
| | | | 38 | 21.20 | 1.08 | 22.28 | <=30 | Pass |
| | | | 74 | 21.17 | 1.08 | 22.25 | <=30 | Pass |
| | | 36 | 0 | 20.26 | 1.08 | 21.34 | <=30 | Pass |
| | | | 18 | 20.20 | 1.08 | 21.28 | <=30 | Pass |
| | | | 39 | 20.08 | 1.08 | 21.16 | <=30 | Pass |
| | | 75 | 0 | 20.23 | 1.08 | 21.31 | <=30 | Pass |
| | 1747.5 | 1 | 0 | 21.53 | 1.08 | 22.61 | <=30 | Pass |
| | | | 38 | 21.64 | 1.08 | 22.72 | <=30 | Pass |
| | | | 74 | 21.58 | 1.08 | 22.66 | <=30 | Pass |
| | | 36 | 0 | 20.04 | 1.08 | 21.12 | <=30 | Pass |
| | | | 18 | 20.06 | 1.08 | 21.14 | <=30 | Pass |
| | | | 39 | 20.14 | 1.08 | 21.22 | <=30 | Pass |
| | | 75 | 0 | 20.07 | 1.08 | 21.15 | <=30 | Pass |
| Note1: EIRP=Conducted Power+Antenna Gain | | | | | | | | |

## 1.1.6 B4_20MHz_EIRP

| Band: 4 / Bandwidth: 20MHz / NTNV | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Conducted Power (dBm) | Gain (dBi) | EIRP (dBm) | | Verdict |
| | | Size | Offset | | | Result | Limit | |
| QPSK | 1720 | 1 | 0 | 21.85 | 1.08 | 22.93 | <=30 | Pass |
| | | | 50 | 21.99 | 1.08 | 23.07 | <=30 | Pass |
| | | | 99 | 21.97 | 1.08 | 23.05 | <=30 | Pass |
| | | 50 | 0 | 20.82 | 1.08 | 21.90 | <=30 | Pass |
| | | | 25 | 21.05 | 1.08 | 22.13 | <=30 | Pass |
| | | | 50 | 21.00 | 1.08 | 22.08 | <=30 | Pass |
| | | 100 | 0 | 20.94 | 1.08 | 22.02 | <=30 | Pass |
| | 1732.5 | 1 | 0 | 21.94 | 1.08 | 23.02 | <=30 | Pass |
| | | | 50 | 22.13 | 1.08 | 23.21 | <=30 | Pass |
| | | | 99 | 22.03 | 1.08 | 23.11 | <=30 | Pass |
| | | 50 | 0 | 21.17 | 1.08 | 22.25 | <=30 | Pass |
| | | | 25 | 21.14 | 1.08 | 22.22 | <=30 | Pass |
| | | | 50 | 21.07 | 1.08 | 22.15 | <=30 | Pass |
| | | 100 | 0 | 21.11 | 1.08 | 22.19 | <=30 | Pass |
| | 1745 | 1 | 0 | 21.91 | 1.08 | 22.99 | <=30 | Pass |
| | | | 50 | 22.12 | 1.08 | 23.20 | <=30 | Pass |
| | | | 99 | 21.97 | 1.08 | 23.05 | <=30 | Pass |
| | | 50 | 0 | 21.10 | 1.08 | 22.18 | <=30 | Pass |
| | | | 25 | 21.08 | 1.08 | 22.16 | <=30 | Pass |
| | | | 50 | 21.21 | 1.08 | 22.29 | <=30 | Pass |
| | | 100 | 0 | 21.12 | 1.08 | 22.20 | <=30 | Pass |
| 16QAM | 1720 | 1 | 0 | 21.42 | 1.08 | 22.50 | <=30 | Pass |
| | | | 50 | 21.60 | 1.08 | 22.68 | <=30 | Pass |
| | | | 99 | 21.57 | 1.08 | 22.65 | <=30 | Pass |
| | | 50 | 0 | 19.93 | 1.08 | 21.01 | <=30 | Pass |
| | | | 25 | 20.18 | 1.08 | 21.26 | <=30 | Pass |
| | | | 50 | 20.16 | 1.08 | 21.24 | <=30 | Pass |
| | | 100 | 0 | 20.10 | 1.08 | 21.18 | <=30 | Pass |
| | 1732.5 | 1 | 0 | 21.14 | 1.08 | 22.22 | <=30 | Pass |
| | | | 50 | 21.33 | 1.08 | 22.41 | <=30 | Pass |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | 99 | 21.21 | 1.08 | 22.29 | <=30 | Pass |
| | | 50 | 0 | 20.29 | 1.08 | 21.37 | <=30 | Pass |
| | | | 25 | 20.24 | 1.08 | 21.32 | <=30 | Pass |
| | | | 50 | 20.04 | 1.08 | 21.12 | <=30 | Pass |
| | | 100 | 0 | 20.25 | 1.08 | 21.33 | <=30 | Pass |
| | 1745 | 1 | 0 | 21.18 | 1.08 | 22.26 | <=30 | Pass |
| | | | 50 | 21.40 | 1.08 | 22.48 | <=30 | Pass |
| | | | 99 | 21.22 | 1.08 | 22.30 | <=30 | Pass |
| | | 50 | 0 | 20.04 | 1.08 | 21.12 | <=30 | Pass |
| | | | 25 | 20.09 | 1.08 | 21.17 | <=30 | Pass |
| | | | 50 | 20.16 | 1.08 | 21.24 | <=30 | Pass |
| | | 100 | 0 | 20.11 | 1.08 | 21.19 | <=30 | Pass |
| Note1: EIRP=Conducted Power+Antenna Gain | | | | | | | | |

# 2. Frequency Stability

## 2.1 Test Result

### 2.1.1 B4_1.4MHz

| Band: 4 / 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 | 16.508 | 0.0096 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -3.262 | -0.0019 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -0.029 | 0.0000 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | 2.861 | 0.0017 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | 3.648 | 0.0021 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -3.290 | -0.0019 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -12.002 | -0.0070 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -3.505 | -0.0020 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -3.433 | -0.0020 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -11.687 | -0.0068 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -5.708 | -0.0033 | -2.5 to 2.5 | Pass |
| | 1732.5 | 6 | 0 | 20 | 3.27 | -48.838 | -0.0282 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -34.833 | -0.0201 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -1.302 | -0.0008 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | 9.370 | 0.0054 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -6.423 | -0.0037 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -1.731 | -0.0010 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | 11.773 | 0.0068 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | 9.627 | 0.0056 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | 0.143 | 0.0001 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | 8.841 | 0.0051 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | 1.631 | 0.0009 | -2.5 to 2.5 | Pass |
| | 1754.3 | 6 | 0 | 20 | 3.27 | -43.502 | -0.0248 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -33.045 | -0.0188 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -4.821 | -0.0027 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | 4.649 | 0.0027 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -0.057 | 0.0000 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | 5.336 | 0.0030 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -1.059 | -0.0006 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | 4.134 | 0.0024 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | 6.938 | 0.0040 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -0.358 | -0.0002 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | 2.890 | 0.0016 | -2.5 to 2.5 | Pass |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 16QAM | 1710.7 | 6 | 0 | 20 | 3.27 | 4.406 | 0.0026 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -7.496 | -0.0044 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -5.207 | -0.0030 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -0.515 | -0.0003 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | 10.386 | 0.0061 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -8.225 | -0.0048 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -2.460 | -0.0014 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -12.202 | -0.0071 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -2.332 | -0.0014 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | 0.744 | 0.0004 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -2.675 | -0.0016 | -2.5 to 2.5 | Pass |
| | 1732.5 | 6 | 0 | 20 | 3.27 | -7.524 | -0.0043 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | 1.245 | 0.0007 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -8.039 | -0.0046 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -0.429 | -0.0002 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -5.836 | -0.0034 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -9.885 | -0.0057 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -4.735 | -0.0027 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | 9.027 | 0.0052 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -4.263 | -0.0025 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | 1.173 | 0.0007 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -2.160 | -0.0012 | -2.5 to 2.5 | Pass |
| | 1754.3 | 6 | 0 | 20 | 3.27 | -3.290 | -0.0019 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | 0.916 | 0.0005 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | 0.744 | 0.0004 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | 9.899 | 0.0056 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -8.569 | -0.0049 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -3.920 | -0.0022 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | 10.829 | 0.0062 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | 8.240 | 0.0047 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | 9.384 | 0.0053 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -4.263 | -0.0024 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -0.072 | 0.0000 | -2.5 to 2.5 | Pass |

## 2.1.2 B4_3MHz

| Band: 4 / 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 | 2.975 | 0.0017 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -45.018 | -0.0263 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -9.370 | -0.0055 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | 1.788 | 0.0010 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -4.992 | -0.0029 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | 4.263 | 0.0025 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | 5.836 | 0.0034 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | 5.007 | 0.0029 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -2.918 | -0.0017 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -4.163 | -0.0024 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -2.403 | -0.0014 | -2.5 to 2.5 | Pass |
| | 1732.5 | 15 | 0 | 20 | 3.27 | -64.087 | -0.0370 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -23.360 | -0.0135 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -7.939 | -0.0046 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -3.505 | -0.0020 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | 5.364 | 0.0031 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | 1.073 | 0.0006 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | 2.489 | 0.0014 | -2.5 to 2.5 | Pass |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | 10 | 3.85 | -2.332 | -0.0013 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -2.375 | -0.0014 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -5.322 | -0.0031 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | 0.358 | 0.0002 | -2.5 to 2.5 | Pass |
| | 1753.5 | 15 | 0 | 20 | 3.27 | -57.235 | -0.0326 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -30.556 | -0.0174 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -7.539 | -0.0043 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | 6.509 | 0.0037 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | 9.542 | 0.0054 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | 8.712 | 0.0050 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | 7.067 | 0.0040 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | 0.601 | 0.0003 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | 7.911 | 0.0045 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | 2.618 | 0.0015 | -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 | 7.567 | 0.0044 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | 9.198 | 0.0054 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | 0.701 | 0.0004 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -4.277 | -0.0025 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -7.496 | -0.0044 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -5.665 | -0.0033 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | 4.792 | 0.0028 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -2.074 | -0.0012 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -0.215 | -0.0001 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -5.078 | -0.0030 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -2.832 | -0.0017 | -2.5 to 2.5 | Pass |
| | 1732.5 | 15 | 0 | 20 | 3.27 | 7.854 | 0.0045 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | 8.383 | 0.0048 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | 2.575 | 0.0015 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -3.033 | -0.0018 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -2.475 | -0.0014 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -0.501 | -0.0003 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | 2.246 | 0.0013 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -0.186 | -0.0001 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -0.844 | -0.0005 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -7.010 | -0.0040 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | 5.994 | 0.0035 | -2.5 to 2.5 | Pass |
| | 1753.5 | 15 | 0 | 20 | 3.27 | 9.742 | 0.0056 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | 1.659 | 0.0009 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -4.692 | -0.0027 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | 3.977 | 0.0023 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | 8.483 | 0.0048 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | 3.777 | 0.0022 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -3.705 | -0.0021 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -0.572 | -0.0003 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | 7.639 | 0.0044 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -5.293 | -0.0030 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -3.777 | -0.0022 | -2.5 to 2.5 | Pass |

### 2.1.3 B4_5MHz

| Band: 4 / 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 | -11.315 | -0.0066 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -10.614 | -0.0062 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | 8.039 | 0.0047 | -2.5 to 2.5 | Pass |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | -30 | 3.85 | 1.802 | 0.0011 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | 2.418 | 0.0014 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | 2.017 | 0.0012 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | 1.187 | 0.0007 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -0.257 | -0.0002 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | 1.187 | 0.0007 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | 2.131 | 0.0012 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | 6.437 | 0.0038 | -2.5 to 2.5 | Pass |
| | 1732.5 | 25 | 0 | 20 | 3.27 | -40.984 | -0.0237 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -12.202 | -0.0070 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | 5.064 | 0.0029 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | 4.463 | 0.0026 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | 8.183 | 0.0047 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | 5.322 | 0.0031 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | 2.317 | 0.0013 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | 1.230 | 0.0007 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | 3.233 | 0.0019 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -0.372 | -0.0002 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | 9.799 | 0.0057 | -2.5 to 2.5 | Pass |
| | 1752.5 | 25 | 0 | 20 | 3.27 | -32.973 | -0.0188 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | 0.558 | 0.0003 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | 6.566 | 0.0037 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | 0.429 | 0.0002 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | 5.665 | 0.0032 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | 5.150 | 0.0029 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | 3.104 | 0.0018 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -0.086 | 0.0000 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | 5.236 | 0.0030 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -2.260 | -0.0013 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | 6.423 | 0.0037 | -2.5 to 2.5 | Pass |
| 16QAM | 1712.5 | 25 | 0 | 20 | 3.27 | 1.316 | 0.0008 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -0.114 | -0.0001 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | 1.688 | 0.0010 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | 0.129 | 0.0001 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | 0.858 | 0.0005 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -0.787 | -0.0005 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -2.646 | -0.0015 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | 3.963 | 0.0023 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | 6.309 | 0.0037 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -2.990 | -0.0017 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | 2.260 | 0.0013 | -2.5 to 2.5 | Pass |
| | 1732.5 | 25 | 0 | 20 | 3.27 | 3.233 | 0.0019 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | 0.672 | 0.0004 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -4.692 | -0.0027 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -0.730 | -0.0004 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -1.388 | -0.0008 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -6.065 | -0.0035 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | 8.168 | 0.0047 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -7.052 | -0.0041 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | 7.081 | 0.0041 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | 7.010 | 0.0040 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | 0.715 | 0.0004 | -2.5 to 2.5 | Pass |
| | 1752.5 | 25 | 0 | 20 | 3.27 | 4.621 | 0.0026 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -0.329 | -0.0002 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -1.173 | -0.0007 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | 4.034 | 0.0023 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | 2.003 | 0.0011 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -3.433 | -0.0020 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | 6.266 | 0.0036 | -2.5 to 2.5 | Pass |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | 10 | 3.85 | -1.688 | -0.0010 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | 3.734 | 0.0021 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -1.144 | -0.0007 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | 3.476 | 0.0020 | -2.5 to 2.5 | Pass |

## 2.1.4 B4_10MHz

| Band: 4 / 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 | -10.514 | -0.0061 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | 5.307 | 0.0031 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | 1.230 | 0.0007 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | 4.091 | 0.0024 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -0.401 | -0.0002 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | 4.549 | 0.0027 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -1.259 | -0.0007 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | 0.029 | 0.0000 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | 2.832 | 0.0017 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | 1.259 | 0.0007 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -0.186 | -0.0001 | -2.5 to 2.5 | Pass |
| | 1732.5 | 50 | 0 | 20 | 3.27 | -22.044 | -0.0127 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | 5.507 | 0.0032 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | 0.701 | 0.0004 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -1.531 | -0.0009 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | 0.801 | 0.0005 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | 1.559 | 0.0009 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | 3.791 | 0.0022 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | 2.103 | 0.0012 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | 1.788 | 0.0010 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | 1.860 | 0.0011 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | 1.316 | 0.0008 | -2.5 to 2.5 | Pass |
| | 1750 | 50 | 0 | 20 | 3.27 | -18.511 | -0.0106 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | 8.183 | 0.0047 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | 8.368 | 0.0048 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | 4.735 | 0.0027 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | 1.159 | 0.0007 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | 4.063 | 0.0023 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | 3.161 | 0.0018 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | 2.890 | 0.0017 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | 2.303 | 0.0013 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | 0.730 | 0.0004 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | 3.448 | 0.0020 | -2.5 to 2.5 | Pass |
| 16QAM | 1715 | 50 | 0 | 20 | 3.27 | 7.353 | 0.0043 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | 4.563 | 0.0027 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | 5.293 | 0.0031 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | 6.080 | 0.0035 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | 6.437 | 0.0038 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | 0.300 | 0.0002 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | 6.237 | 0.0036 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | 4.277 | 0.0025 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | 2.818 | 0.0016 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | 2.618 | 0.0015 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | 6.380 | 0.0037 | -2.5 to 2.5 | Pass |
| | 1732.5 | 50 | 0 | 20 | 3.27 | 6.280 | 0.0036 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | 2.160 | 0.0012 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -0.215 | -0.0001 | -2.5 to 2.5 | Pass |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | -30 | 3.85 | 1.001 | 0.0006 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | 3.090 | 0.0018 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | 1.016 | 0.0006 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | 1.431 | 0.0008 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | 3.877 | 0.0022 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | 2.875 | 0.0017 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | 3.362 | 0.0019 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -1.502 | -0.0009 | -2.5 to 2.5 | Pass |
| | 1750 | 50 | 0 | 20 | 3.27 | 8.140 | 0.0047 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -0.458 | -0.0003 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | 3.848 | 0.0022 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | 1.259 | 0.0007 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | 2.489 | 0.0014 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | 1.516 | 0.0009 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | 2.990 | 0.0017 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | 2.904 | 0.0017 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | 4.005 | 0.0023 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | 5.035 | 0.0029 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | 2.003 | 0.0011 | -2.5 to 2.5 | Pass |

## 2.1.5 B4_15MHz

| Band: 4 / 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 | -11.172 | -0.0065 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | 2.975 | 0.0017 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | 3.090 | 0.0018 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -0.572 | -0.0003 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | 2.389 | 0.0014 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | 4.764 | 0.0028 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | 0.415 | 0.0002 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -2.031 | -0.0012 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | 6.351 | 0.0037 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | 3.605 | 0.0021 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | 3.004 | 0.0017 | -2.5 to 2.5 | Pass |
| | 1732.5 | 75 | 0 | 20 | 3.27 | -18.482 | -0.0107 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -1.373 | -0.0008 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | 2.031 | 0.0012 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -0.401 | -0.0002 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | 4.163 | 0.0024 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -3.262 | -0.0019 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | 2.532 | 0.0015 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | 1.016 | 0.0006 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -1.874 | -0.0011 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -0.830 | -0.0005 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -3.119 | -0.0018 | -2.5 to 2.5 | Pass |
| | 1747.5 | 75 | 0 | 20 | 3.27 | -13.618 | -0.0078 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | 5.836 | 0.0033 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | 4.749 | 0.0027 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | 1.316 | 0.0008 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | 2.246 | 0.0013 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | 2.046 | 0.0012 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | 4.277 | 0.0024 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | 2.375 | 0.0014 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | 3.762 | 0.0022 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | 4.878 | 0.0028 | -2.5 to 2.5 | Pass |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | 50 | 3.85 | 1.745 | 0.0010 | -2.5 to 2.5 | Pass |
| 16QAM | 1717.5 | 75 | 0 | 20 | 3.27 | 2.074 | 0.0012 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | 1.516 | 0.0009 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -0.129 | -0.0001 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | 0.887 | 0.0005 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -1.402 | -0.0008 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -2.861 | -0.0017 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -0.501 | -0.0003 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | 2.389 | 0.0014 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | 0.329 | 0.0002 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | 0.515 | 0.0003 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -0.887 | -0.0005 | -2.5 to 2.5 | Pass |
| | 1732.5 | 75 | 0 | 20 | 3.27 | 0.057 | 0.0000 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -5.407 | -0.0031 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -4.849 | -0.0028 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -6.137 | -0.0035 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | 0.644 | 0.0004 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -2.174 | -0.0013 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -5.879 | -0.0034 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -2.990 | -0.0017 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -3.891 | -0.0022 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -1.273 | -0.0007 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -3.376 | -0.0019 | -2.5 to 2.5 | Pass |
| | 1747.5 | 75 | 0 | 20 | 3.27 | 2.847 | 0.0016 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | 1.230 | 0.0007 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | 2.189 | 0.0013 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | 0.987 | 0.0006 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | 1.817 | 0.0010 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -0.415 | -0.0002 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | 0.014 | 0.0000 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | 0.815 | 0.0005 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | 2.546 | 0.0015 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | 0.801 | 0.0005 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | 0.558 | 0.0003 | -2.5 to 2.5 | Pass |

## 2.1.6 B4_20MHz

| Band: 4 / 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 | -9.255 | -0.0054 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | 2.446 | 0.0014 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | 0.501 | 0.0003 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -1.702 | -0.0010 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -0.815 | -0.0005 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | 0.930 | 0.0005 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | 1.774 | 0.0010 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -2.832 | -0.0016 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -1.116 | -0.0006 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | 1.903 | 0.0011 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -2.489 | -0.0014 | -2.5 to 2.5 | Pass |
| | 1732.5 | 100 | 0 | 20 | 3.27 | -12.603 | -0.0073 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | 1.431 | 0.0008 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | 2.561 | 0.0015 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | 4.306 | 0.0025 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | 1.802 | 0.0010 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | 2.146 | 0.0012 | -2.5 to 2.5 | Pass |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | 0 | 3.85 | 3.276 | 0.0019 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | 1.845 | 0.0011 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | 3.161 | 0.0018 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -1.731 | -0.0010 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | 1.016 | 0.0006 | -2.5 to 2.5 | Pass |
| | 1745 | 100 | 0 | 20 | 3.27 | -17.710 | -0.0101 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -1.731 | -0.0010 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | 8.941 | 0.0051 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | 2.775 | 0.0016 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | 2.732 | 0.0016 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | 6.351 | 0.0036 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | 1.116 | 0.0006 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -0.186 | -0.0001 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | 4.950 | 0.0028 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -1.788 | -0.0010 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | 1.516 | 0.0009 | -2.5 to 2.5 | Pass |
| 16QAM | 1720 | 100 | 0 | 20 | 3.27 | 2.890 | 0.0017 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | 1.502 | 0.0009 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | 2.432 | 0.0014 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -2.275 | -0.0013 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -0.186 | -0.0001 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | 1.130 | 0.0007 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | 3.462 | 0.0020 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -0.772 | -0.0004 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -2.432 | -0.0014 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -3.018 | -0.0018 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | 1.788 | 0.0010 | -2.5 to 2.5 | Pass |
| | 1732.5 | 100 | 0 | 20 | 3.27 | 1.431 | 0.0008 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | 0.944 | 0.0005 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | 0.329 | 0.0002 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | 0.901 | 0.0005 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -0.758 | -0.0004 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -0.672 | -0.0004 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -1.774 | -0.0010 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -1.001 | -0.0006 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | 1.359 | 0.0008 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | 1.173 | 0.0007 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -0.014 | 0.0000 | -2.5 to 2.5 | Pass |
| | 1745 | 100 | 0 | 20 | 3.27 | 2.446 | 0.0014 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | 3.705 | 0.0021 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -0.629 | -0.0004 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -0.272 | -0.0002 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | 0.343 | 0.0002 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | 3.619 | 0.0021 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | 0.243 | 0.0001 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -2.446 | -0.0014 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | 2.060 | 0.0012 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | 0.372 | 0.0002 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | 0.043 | 0.0000 | -2.5 to 2.5 | Pass |

# 3. Modulation Characteristics

## 3.1 Test Result

### 3.1.1 B4_1.4MHz

| Band: 4 / Bandwidth: 1.4MHz / NTNV | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Modulation Characteristics | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 1732.5 | 6 | 0 | Refer To Test Graph | | Pass |
| 16QAM | 1732.5 | 6 | 0 | Refer To Test Graph | | Pass |

### 3.1.2 B4_3MHz

| Band: 4 / Bandwidth: 3MHz / NTNV | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Modulation Characteristics | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 1732.5 | 15 | 0 | Refer To Test Graph | | Pass |
| 16QAM | 1732.5 | 15 | 0 | Refer To Test Graph | | Pass |

### 3.1.3 B4_5MHz

| Band: 4 / Bandwidth: 5MHz / NTNV | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Modulation Characteristics | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 1732.5 | 25 | 0 | Refer To Test Graph | | Pass |
| 16QAM | 1732.5 | 25 | 0 | Refer To Test Graph | | Pass |

### 3.1.4 B4_10MHz

| Band: 4 / Bandwidth: 10MHz / NTNV | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Modulation Characteristics | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 1732.5 | 50 | 0 | Refer To Test Graph | | Pass |
| 16QAM | 1732.5 | 50 | 0 | Refer To Test Graph | | Pass |

### 3.1.5 B4_15MHz

| Band: 4 / Bandwidth: 15MHz / NTNV | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Modulation Characteristics | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 1732.5 | 75 | 0 | Refer To Test Graph | | Pass |
| 16QAM | 1732.5 | 75 | 0 | Refer To Test Graph | | Pass |

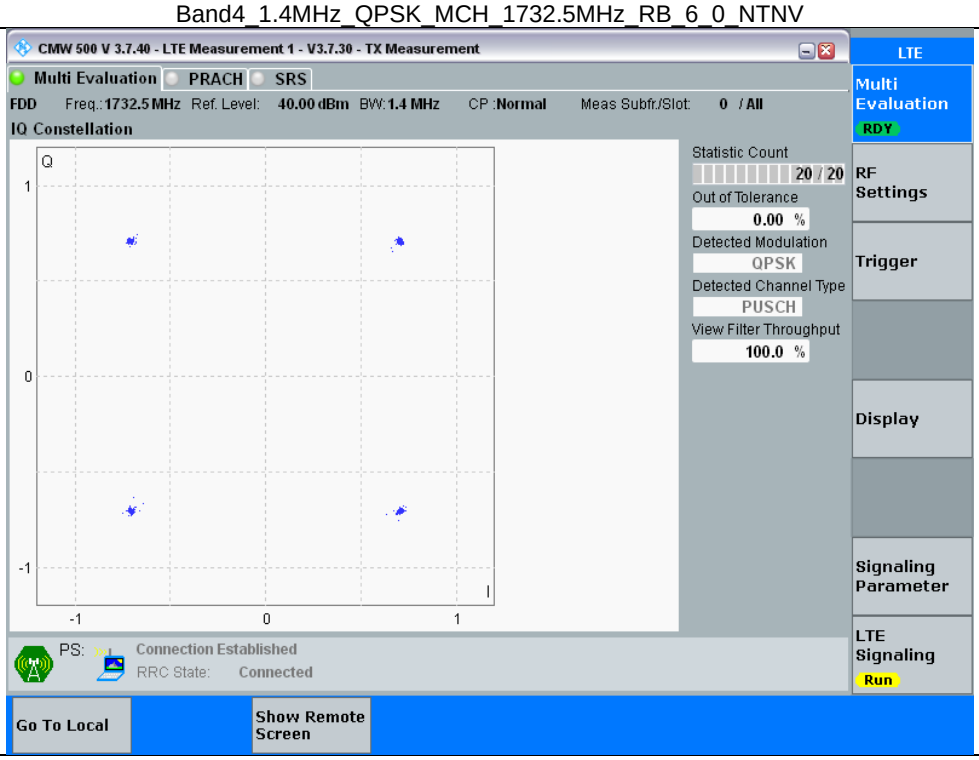
### 3.1.6 B4_20MHz

| Band: 4 / Bandwidth: 20MHz / NTNV | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Modulation Characteristics | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 1732.5 | 100 | 0 | Refer To Test Graph | | Pass |
| 16QAM | 1732.5 | 100 | 0 | Refer To Test Graph | | Pass |

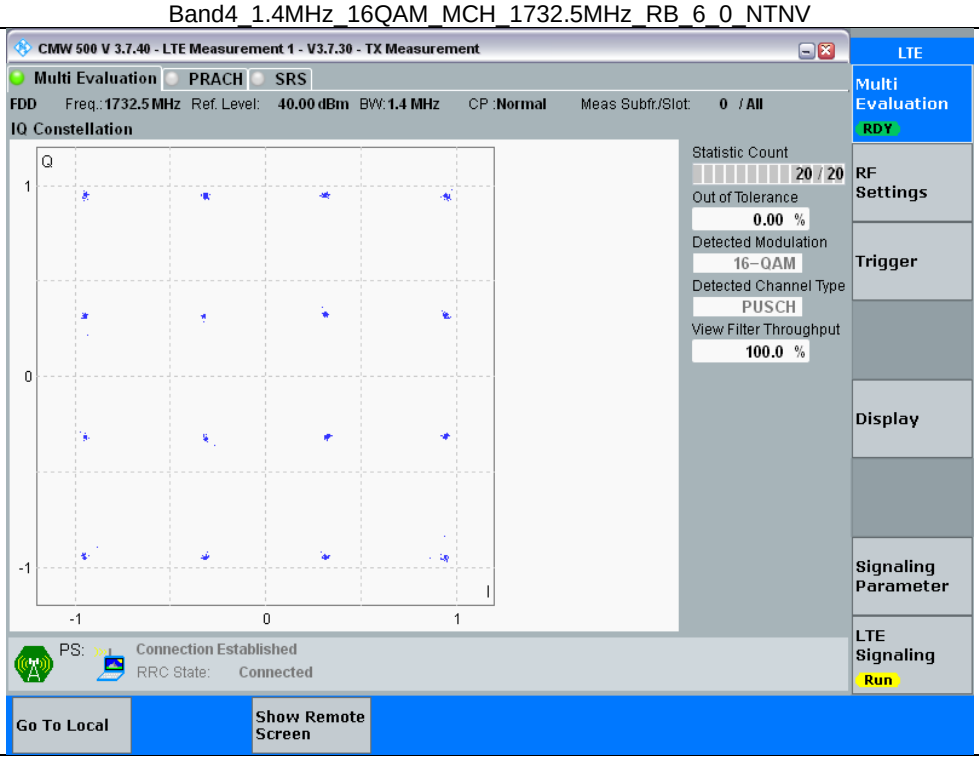
## 3.2 Test Graph

### 3.2.1 B4_1.4MHz

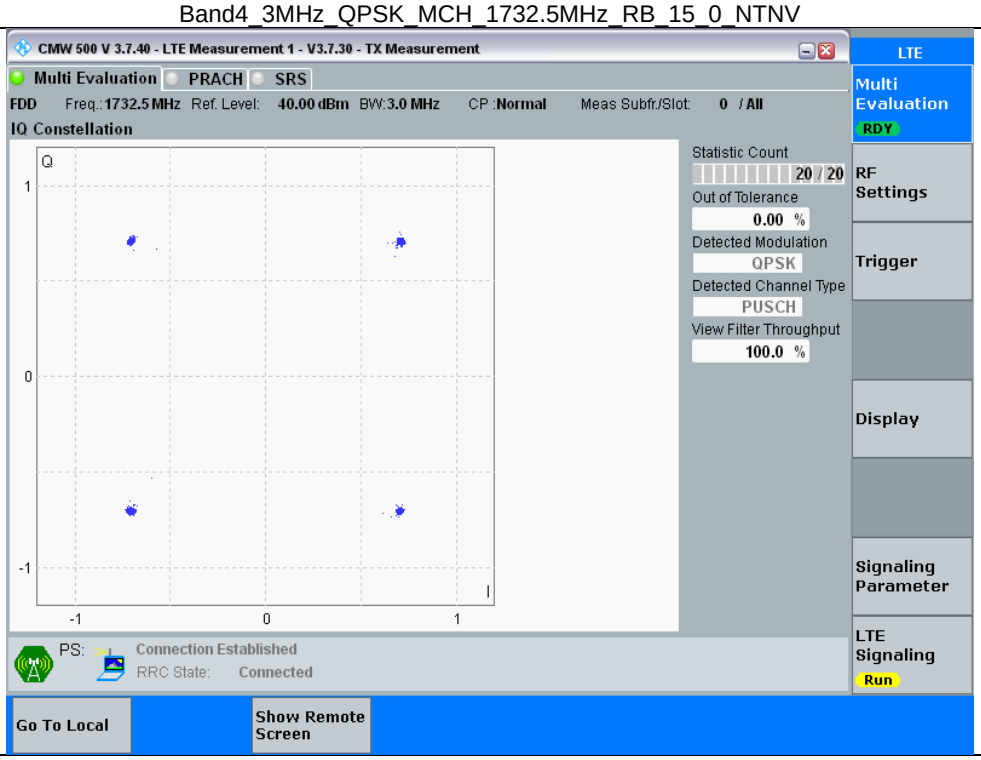
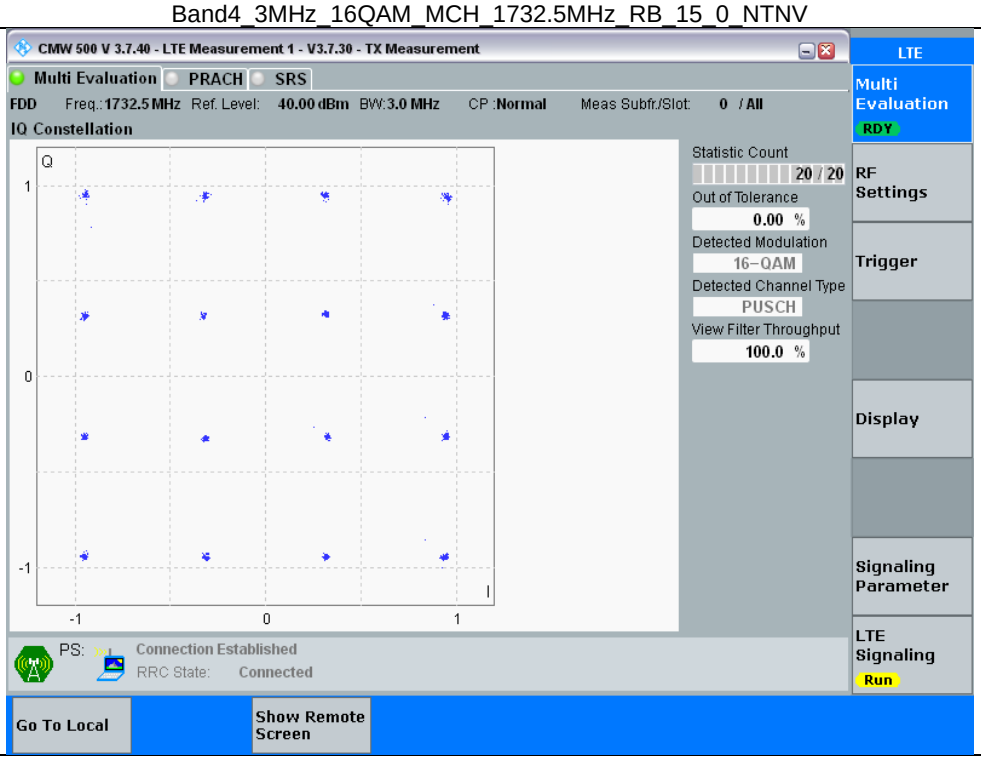
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV



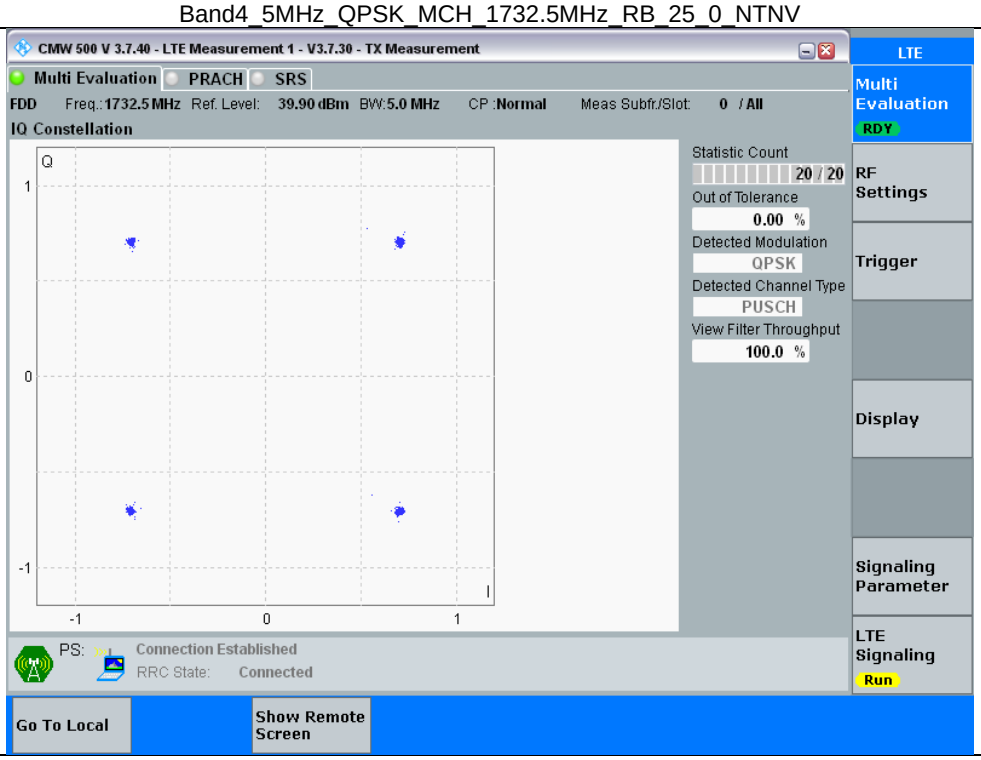
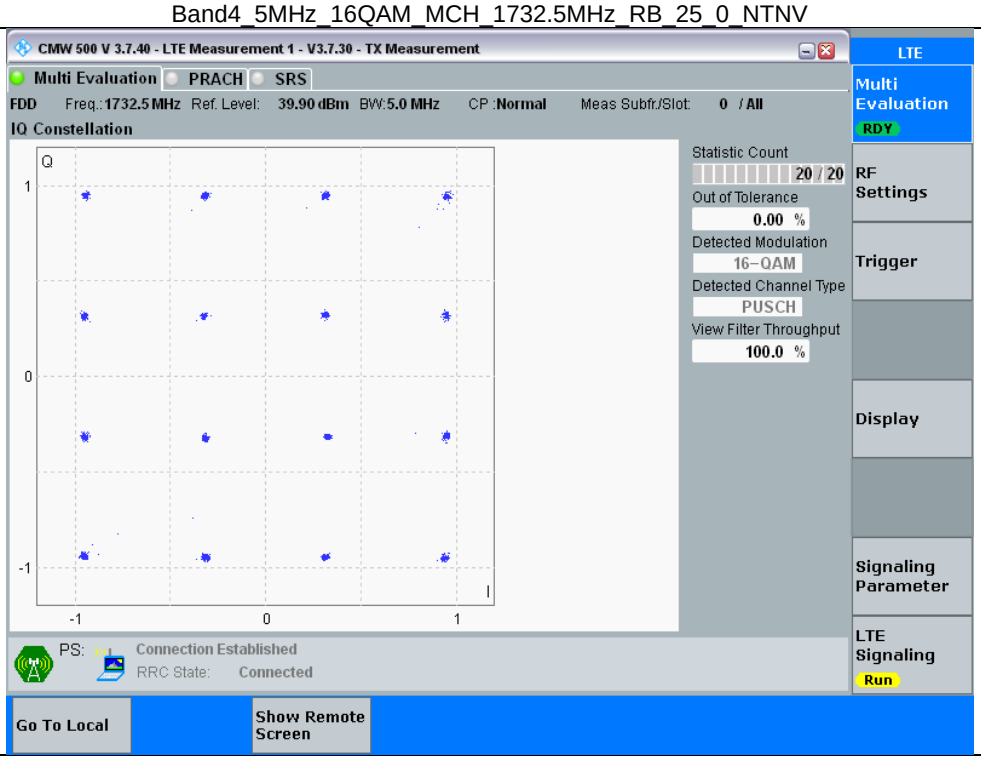

Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



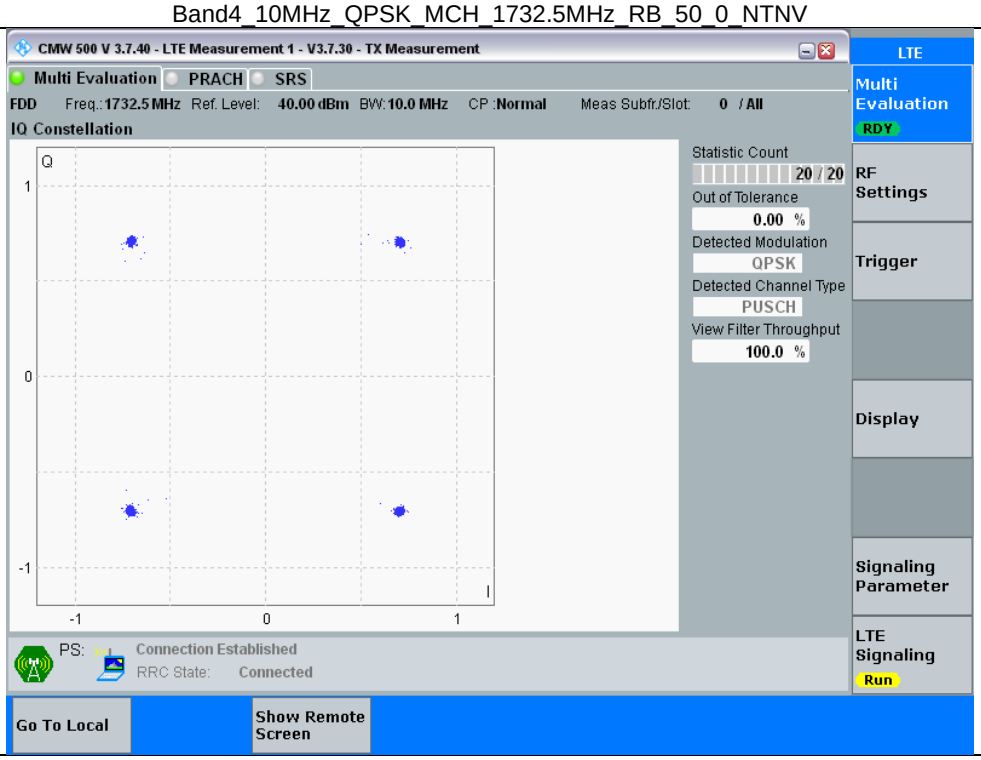
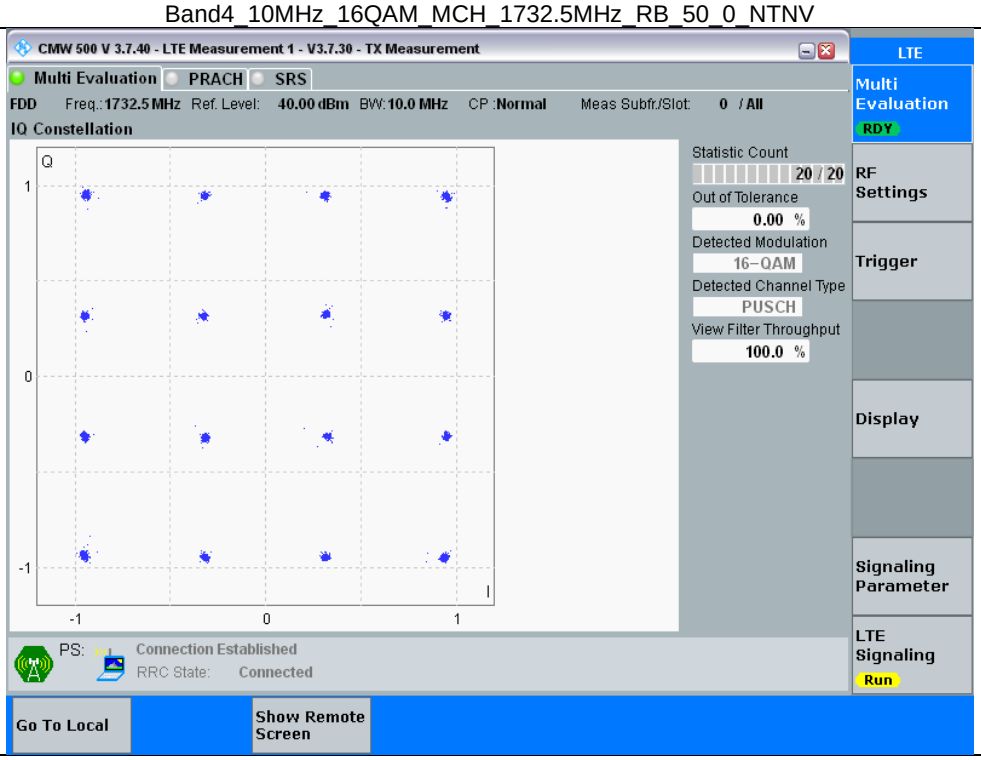
### 3.2.2 B4_3MHz

| Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV |
| --- |
|  |
| Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV |
|  |

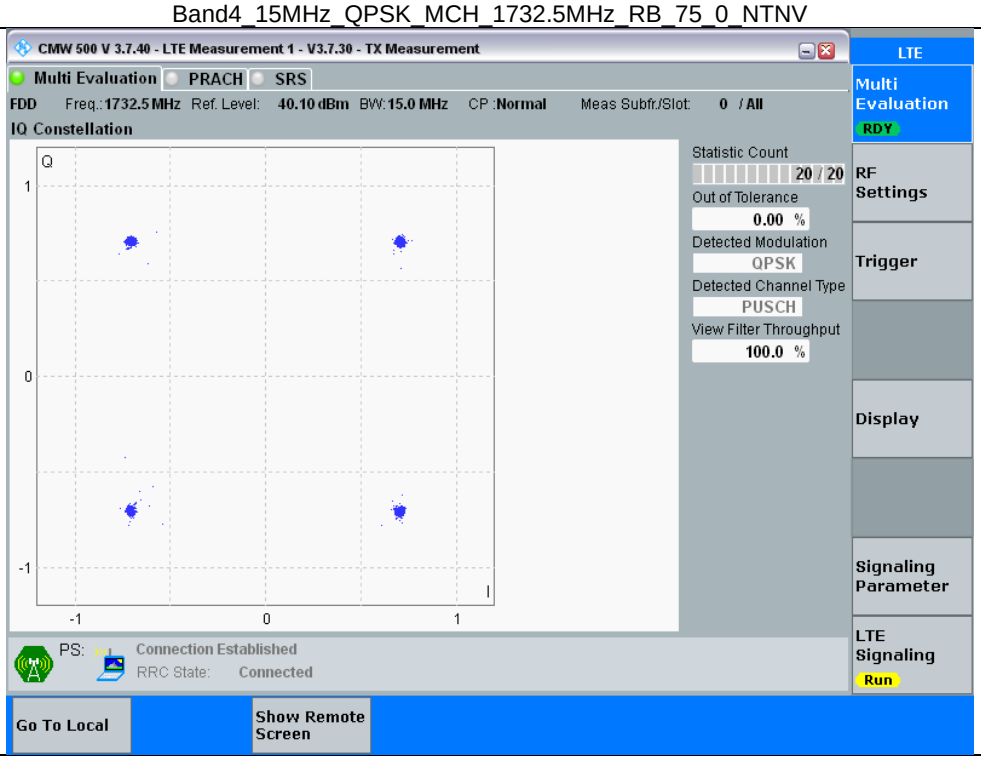
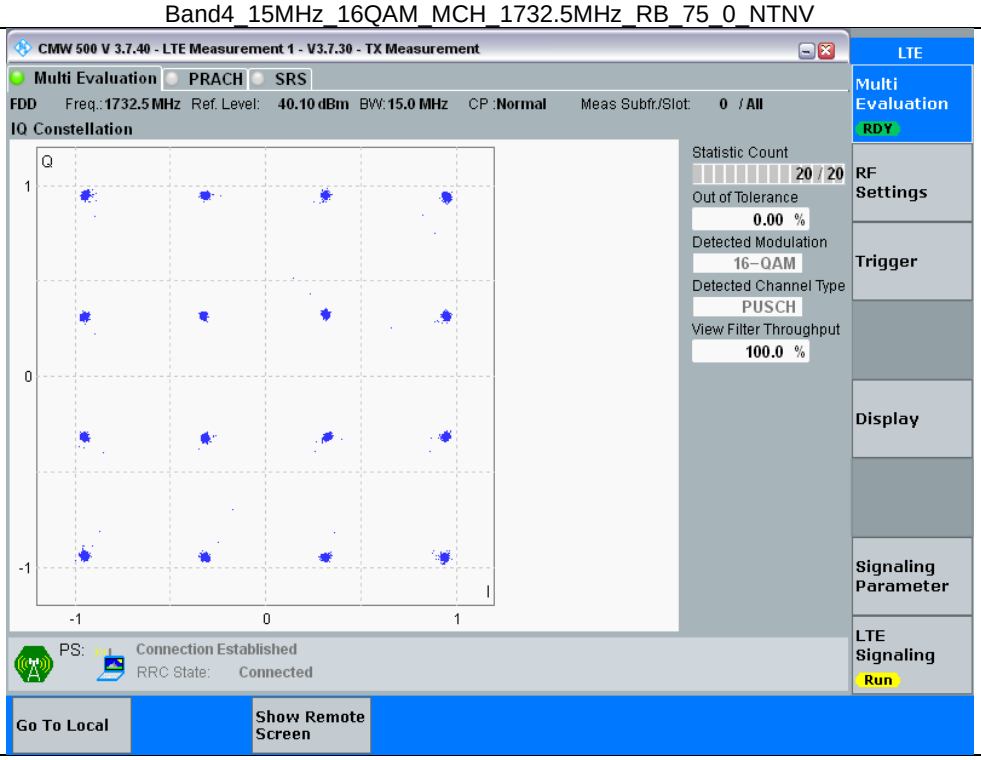
### 3.2.3 B4_5MHz

| Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV |
| --- |
|  |
| Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV |
|  |

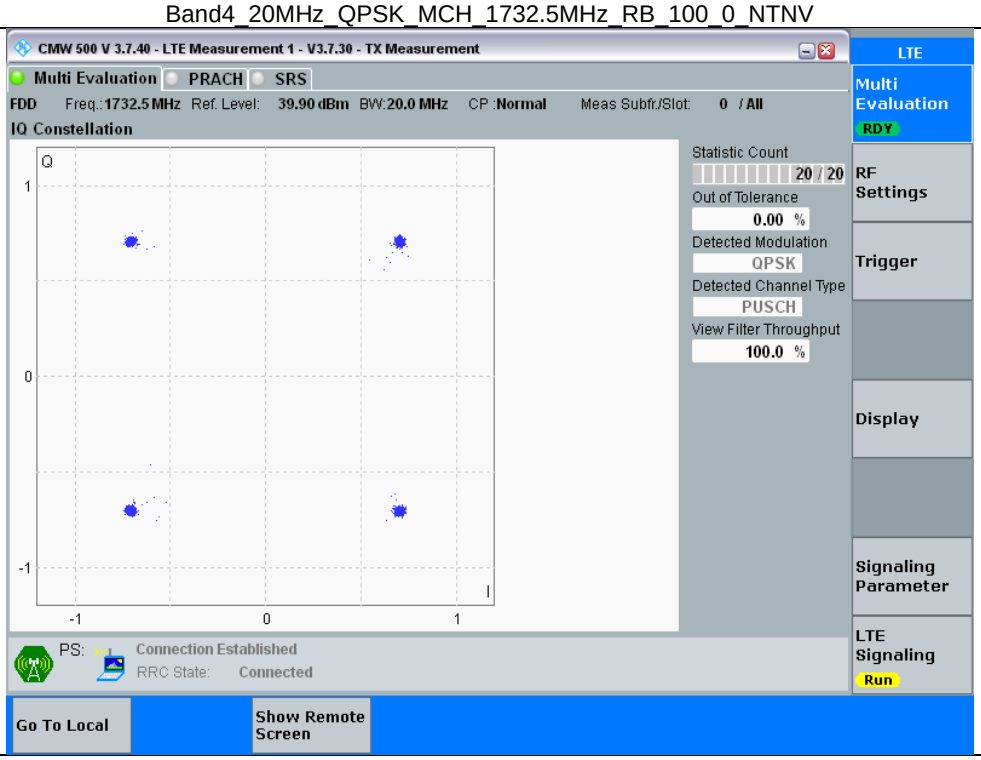
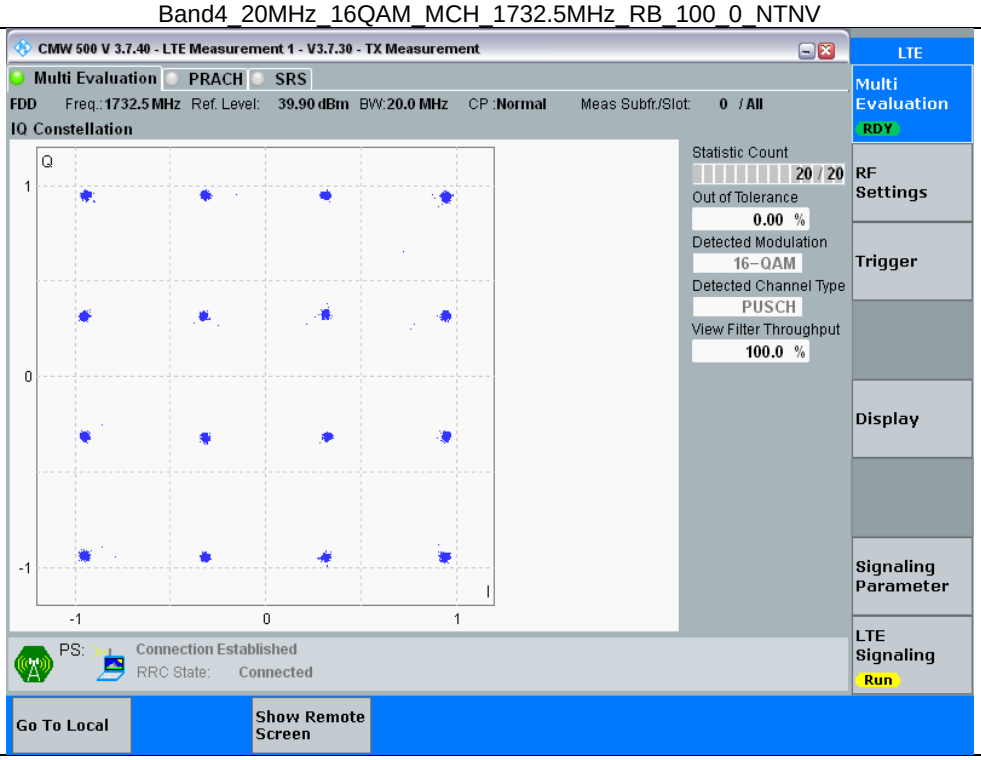
### 3.2.4 B4_10MHz

| Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV |
| --- |
|  |
| Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV |
|  |

### 3.2.5 B4_15MHz

| Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV |
| --- |
|  |
| Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV |
|  |

### 3.2.6 B4_20MHz

| Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV |
| --- |
|  |
| Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV |
|  |

# 4. 99% & 26dB Bandwidth

## 4.1 Test Result

### 4.1.1 Band4_OBW

| Band: 4 / NTNV | | | | | | | |
|---|---|---|---|---|---|---|---|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation | | 99% Occupied Bandwidth (MHz) | | Verdict |
| | | | Size | Offset | Result | Limit | |
| 1.4 | QPSK | 1710.7 | 6 | 0 | 1.110 | / | Pass |
| | | 1732.5 | 6 | 0 | 1.126 | / | Pass |
| | | 1754.3 | 6 | 0 | 1.105 | / | Pass |
| | 16QAM | 1710.7 | 6 | 0 | 1.111 | / | Pass |
| | | 1732.5 | 6 | 0 | 1.113 | / | Pass |
| | | 1754.3 | 6 | 0 | 1.102 | / | Pass |
| 3 | QPSK | 1711.5 | 15 | 0 | 2.724 | / | Pass |
| | | 1732.5 | 15 | 0 | 2.738 | / | Pass |
| | | 1753.5 | 15 | 0 | 2.729 | / | Pass |
| | 16QAM | 1711.5 | 15 | 0 | 2.723 | / | Pass |
| | | 1732.5 | 15 | 0 | 2.735 | / | Pass |
| | | 1753.5 | 15 | 0 | 2.727 | / | Pass |
| 5 | QPSK | 1712.5 | 25 | 0 | 4.539 | / | Pass |
| | | 1732.5 | 25 | 0 | 4.545 | / | Pass |
| | | 1752.5 | 25 | 0 | 4.549 | / | Pass |
| | 16QAM | 1712.5 | 25 | 0 | 4.549 | / | Pass |
| | | 1732.5 | 25 | 0 | 4.548 | / | Pass |
| | | 1752.5 | 25 | 0 | 4.530 | / | Pass |
| 10 | QPSK | 1715 | 50 | 0 | 9.048 | / | Pass |
| | | 1732.5 | 50 | 0 | 9.040 | / | Pass |
| | | 1750 | 50 | 0 | 9.061 | / | Pass |
| | 16QAM | 1715 | 50 | 0 | 9.051 | / | Pass |
| | | 1732.5 | 50 | 0 | 9.031 | / | Pass |
| | | 1750 | 50 | 0 | 9.018 | / | Pass |
| 15 | QPSK | 1717.5 | 75 | 0 | 13.560 | / | Pass |
| | | 1732.5 | 75 | 0 | 13.565 | / | Pass |
| | | 1747.5 | 75 | 0 | 13.591 | / | Pass |
| | 16QAM | 1717.5 | 75 | 0 | 13.571 | / | Pass |
| | | 1732.5 | 75 | 0 | 13.576 | / | Pass |
| | | 1747.5 | 75 | 0 | 13.555 | / | Pass |
| 20 | QPSK | 1720 | 100 | 0 | 18.049 | / | Pass |
| | | 1732.5 | 100 | 0 | 18.065 | / | Pass |
| | | 1745 | 100 | 0 | 18.092 | / | Pass |
| | 16QAM | 1720 | 100 | 0 | 18.054 | / | Pass |
| | | 1732.5 | 100 | 0 | 18.079 | / | Pass |
| | | 1745 | 100 | 0 | 18.209 | / | Pass |

### 4.1.2 Band4_XDB

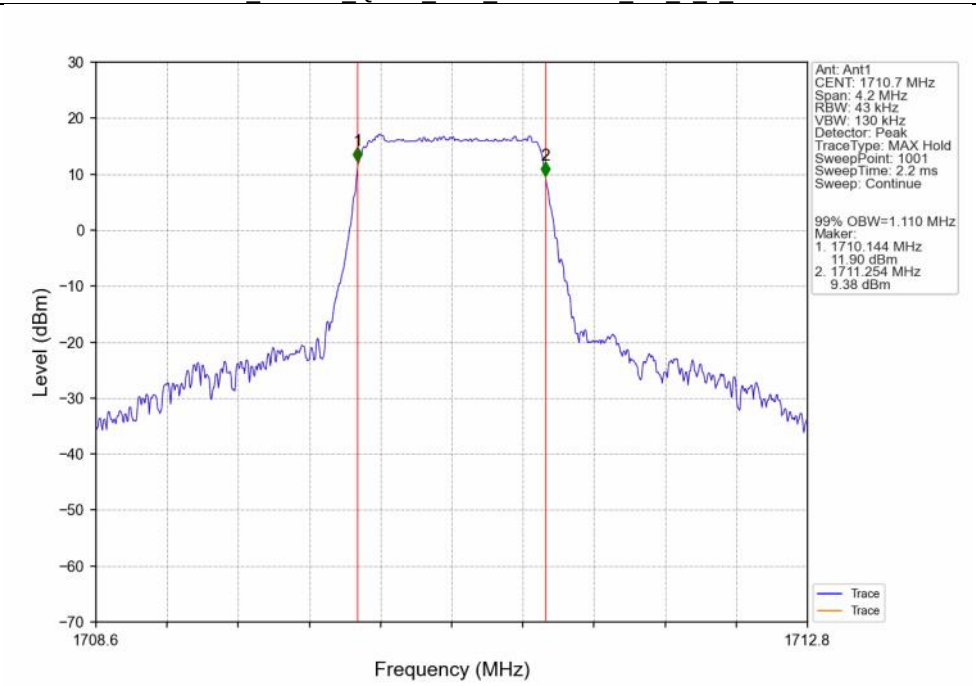
| Band: 4 / NTNV | | | | | | | |
|---|---|---|---|---|---|---|---|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation | | 26dB Bandwidth (MHz) | | Verdict |
| | | | Size | Offset | Result | Limit | |
| 1.4 | QPSK | 1710.7 | 6 | 0 | 1.321 | / | Pass |
| | | 1732.5 | 6 | 0 | 1.310 | / | Pass |
| | | 1754.3 | 6 | 0 | 1.342 | / | Pass |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | 16QAM | 1710.7 | 6 | 0 | 1.333 | / | Pass |
| | | 1732.5 | 6 | 0 | 1.339 | / | Pass |
| | | 1754.3 | 6 | 0 | 1.304 | / | Pass |
| 3 | QPSK | 1711.5 | 15 | 0 | 3.014 | / | Pass |
| | | 1732.5 | 15 | 0 | 3.027 | / | Pass |
| | | 1753.5 | 15 | 0 | 3.010 | / | Pass |
| | 16QAM | 1711.5 | 15 | 0 | 3.023 | / | Pass |
| | | 1732.5 | 15 | 0 | 3.008 | / | Pass |
| | | 1753.5 | 15 | 0 | 2.993 | / | Pass |
| 5 | QPSK | 1712.5 | 25 | 0 | 5.073 | / | Pass |
| | | 1732.5 | 25 | 0 | 5.044 | / | Pass |
| | | 1752.5 | 25 | 0 | 5.041 | / | Pass |
| | 16QAM | 1712.5 | 25 | 0 | 5.088 | / | Pass |
| | | 1732.5 | 25 | 0 | 5.067 | / | Pass |
| | | 1752.5 | 25 | 0 | 5.056 | / | Pass |
| 10 | QPSK | 1715 | 50 | 0 | 9.989 | / | Pass |
| | | 1732.5 | 50 | 0 | 9.929 | / | Pass |
| | | 1750 | 50 | 0 | 10.013 | / | Pass |
| | 16QAM | 1715 | 50 | 0 | 9.903 | / | Pass |
| | | 1732.5 | 50 | 0 | 9.918 | / | Pass |
| | | 1750 | 50 | 0 | 9.951 | / | Pass |
| 15 | QPSK | 1717.5 | 75 | 0 | 14.834 | / | Pass |
| | | 1732.5 | 75 | 0 | 14.883 | / | Pass |
| | | 1747.5 | 75 | 0 | 15.005 | / | Pass |
| | 16QAM | 1717.5 | 75 | 0 | 14.837 | / | Pass |
| | | 1732.5 | 75 | 0 | 14.944 | / | Pass |
| | | 1747.5 | 75 | 0 | 14.960 | / | Pass |
| 20 | QPSK | 1720 | 100 | 0 | 19.987 | / | Pass |
| | | 1732.5 | 100 | 0 | 19.802 | / | Pass |
| | | 1745 | 100 | 0 | 19.725 | / | Pass |
| | 16QAM | 1720 | 100 | 0 | 19.561 | / | Pass |
| | | 1732.5 | 100 | 0 | 19.792 | / | Pass |
| | | 1745 | 100 | 0 | 19.765 | / | Pass |

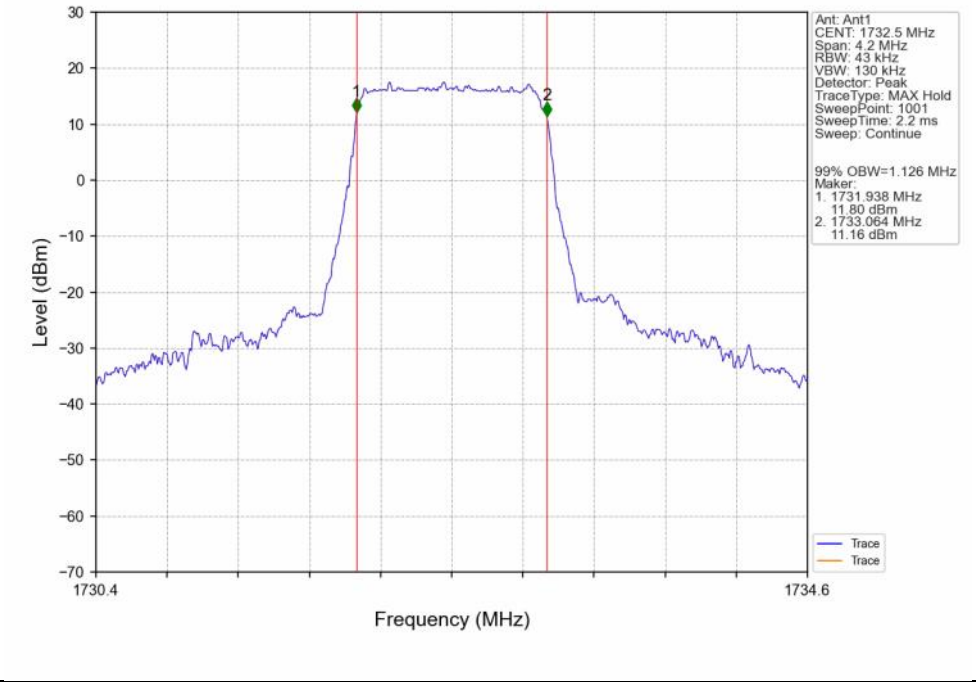
## 4.2 Test Graph

### 4.2.1 Band4_OBW

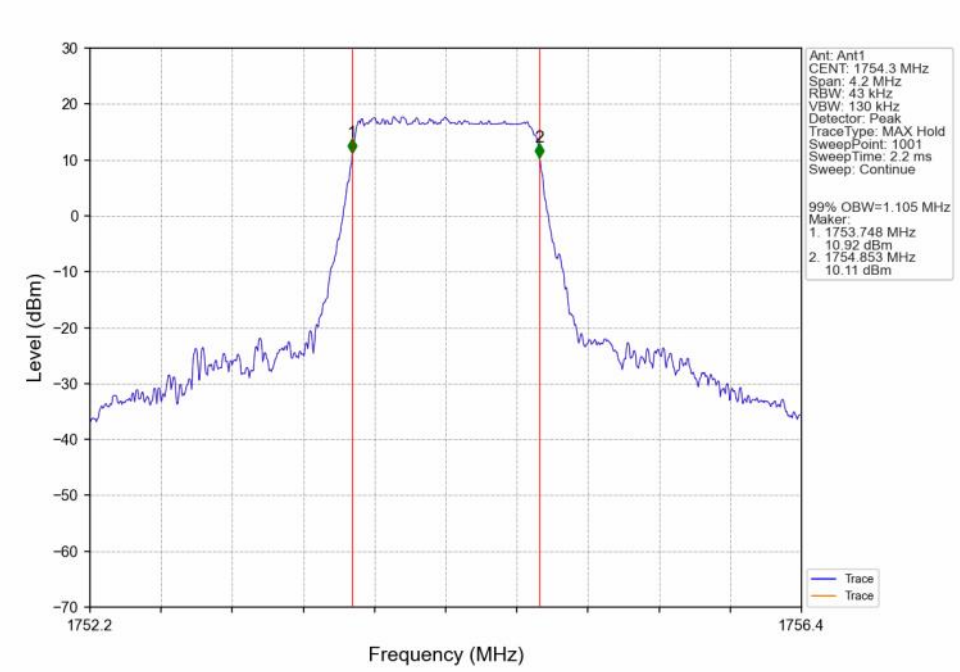
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



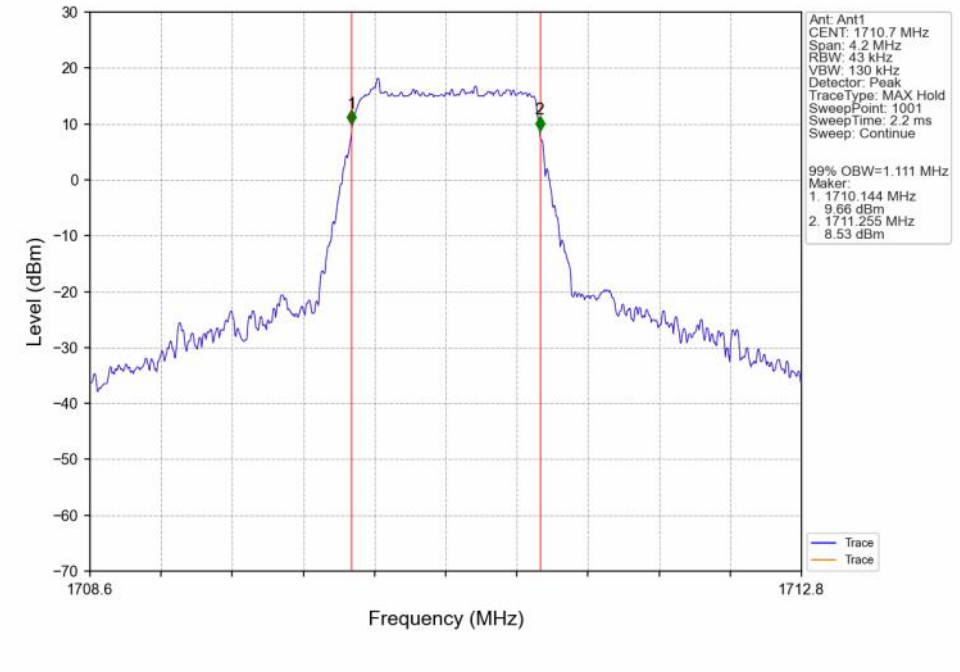

Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV



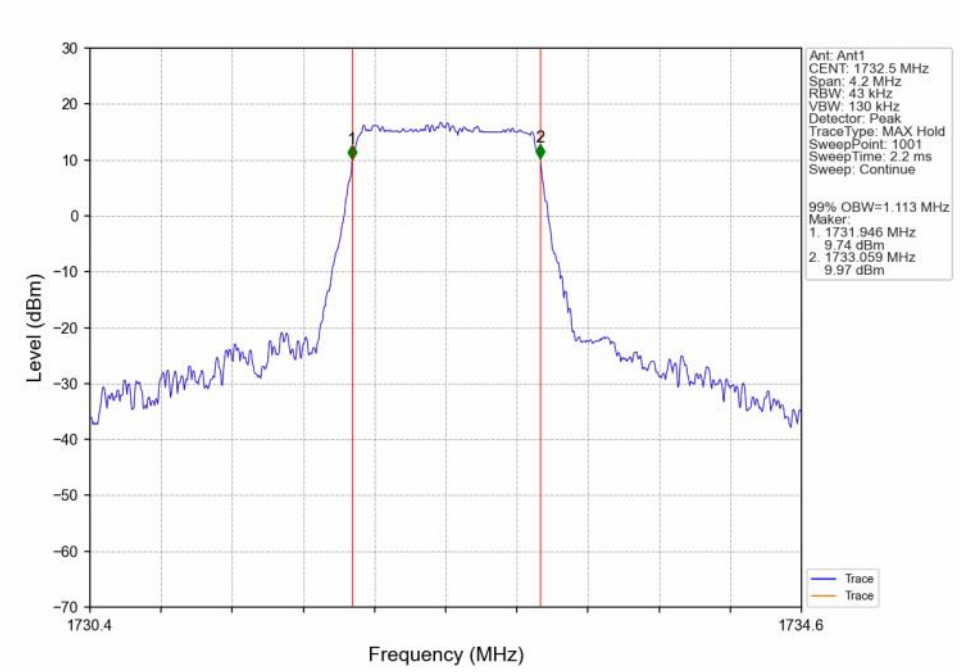
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



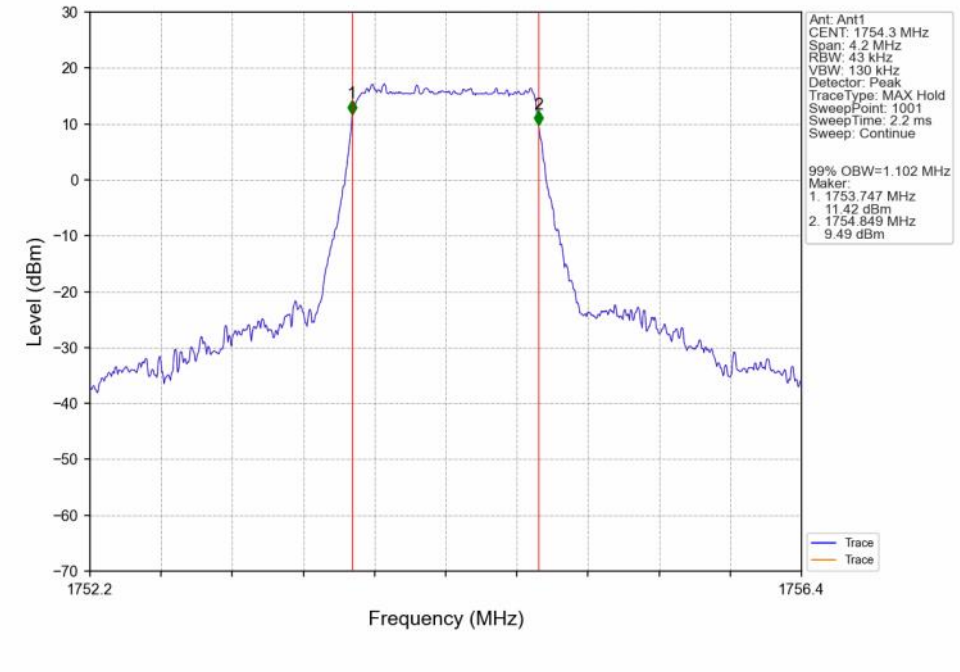

Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



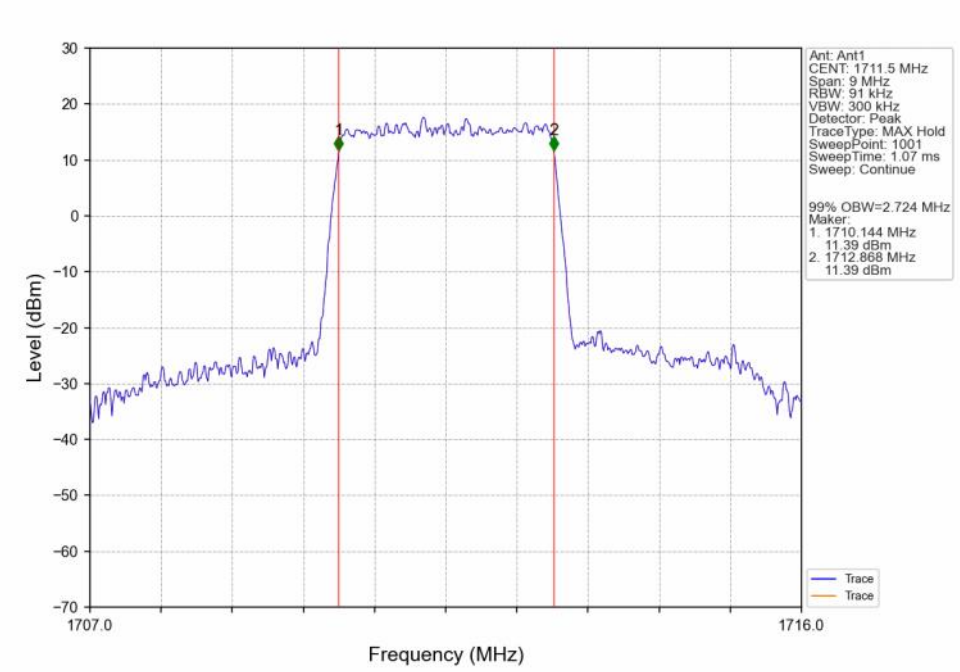
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



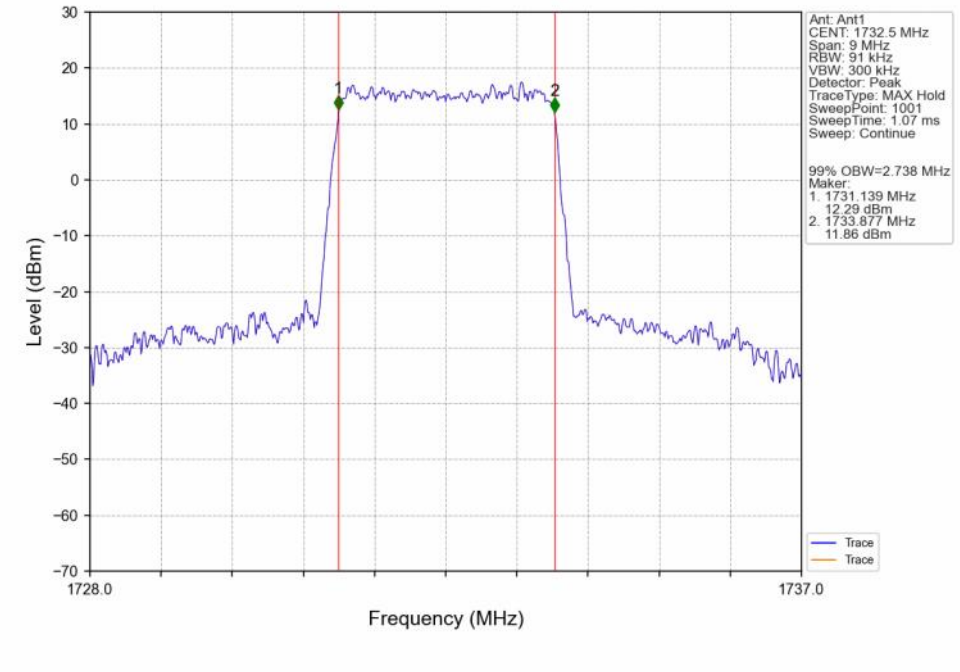

Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



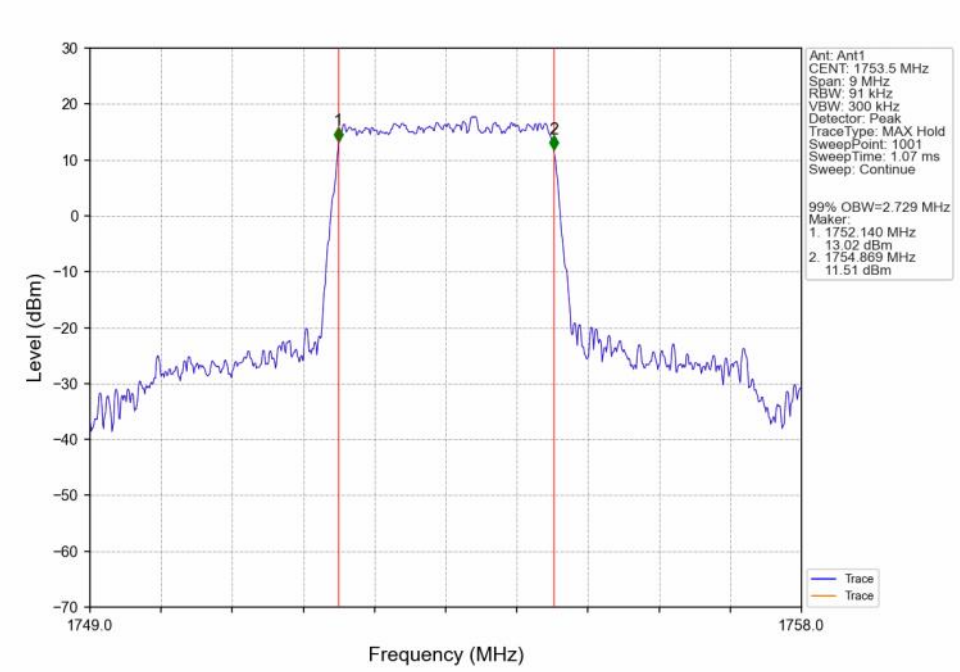
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



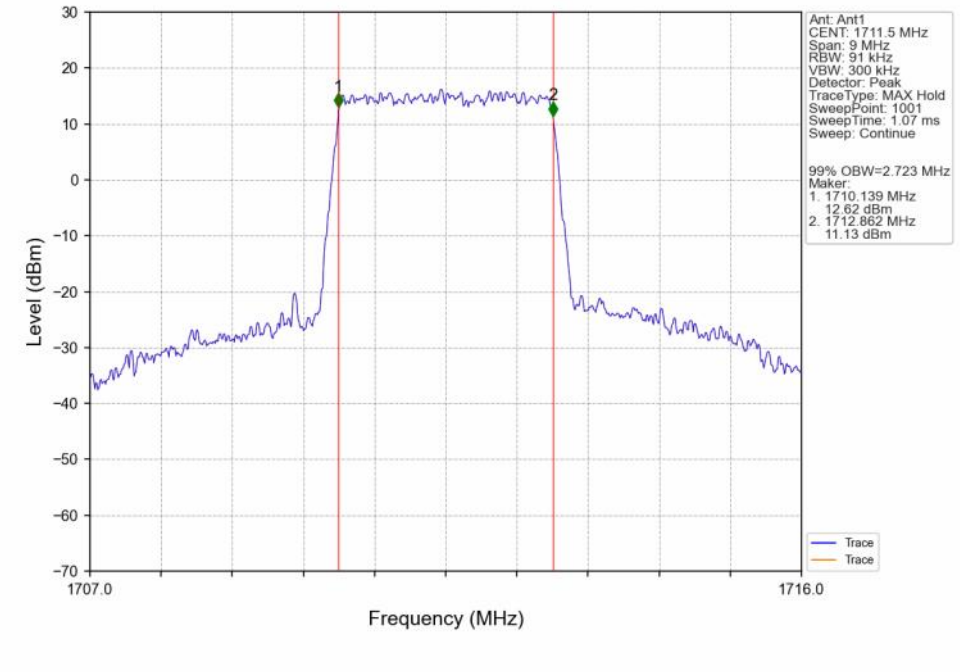

Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



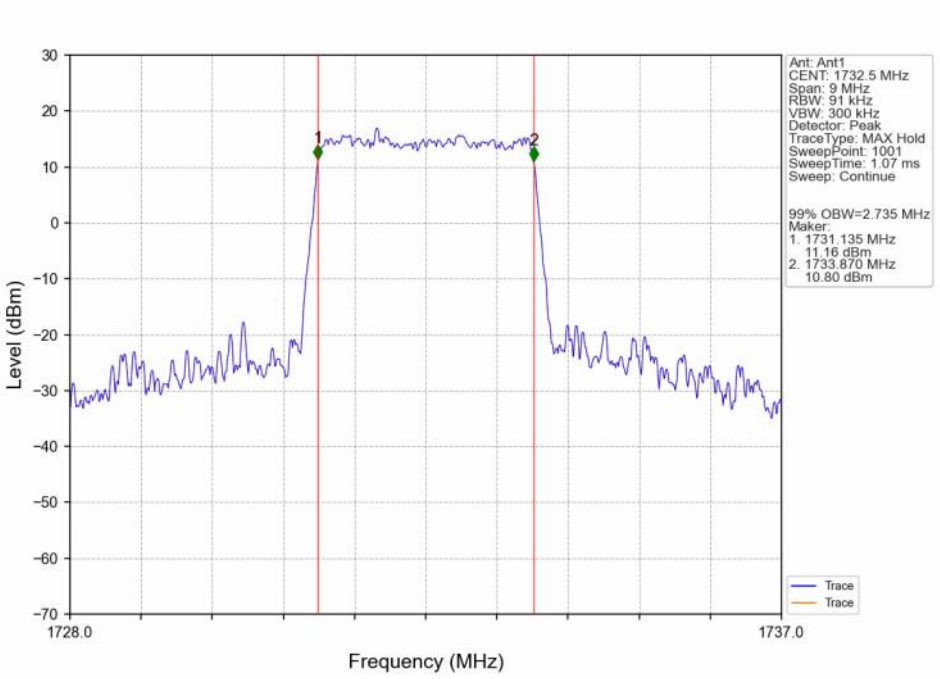
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



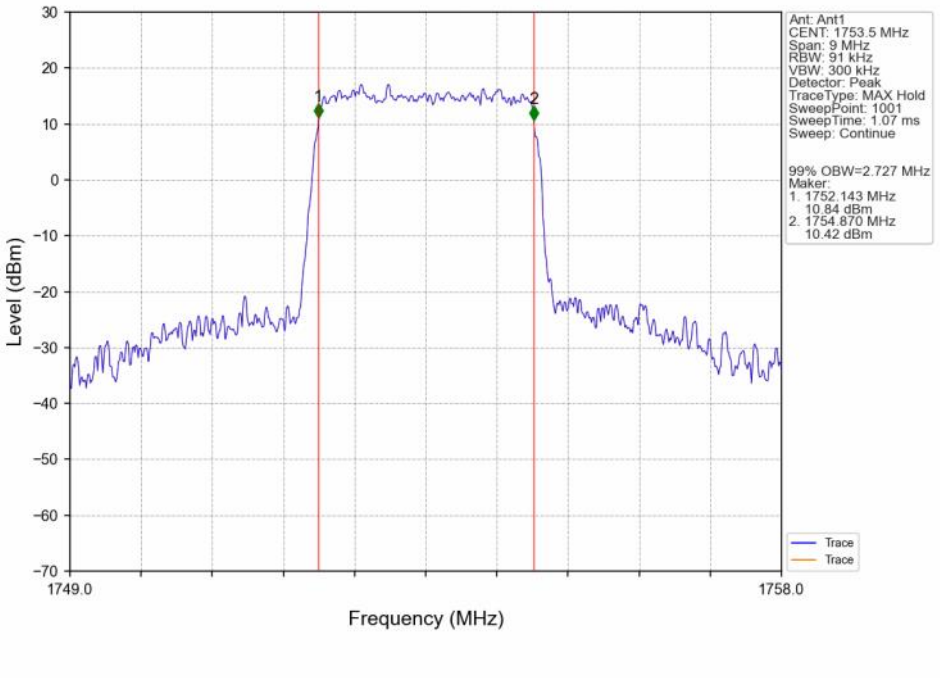

Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



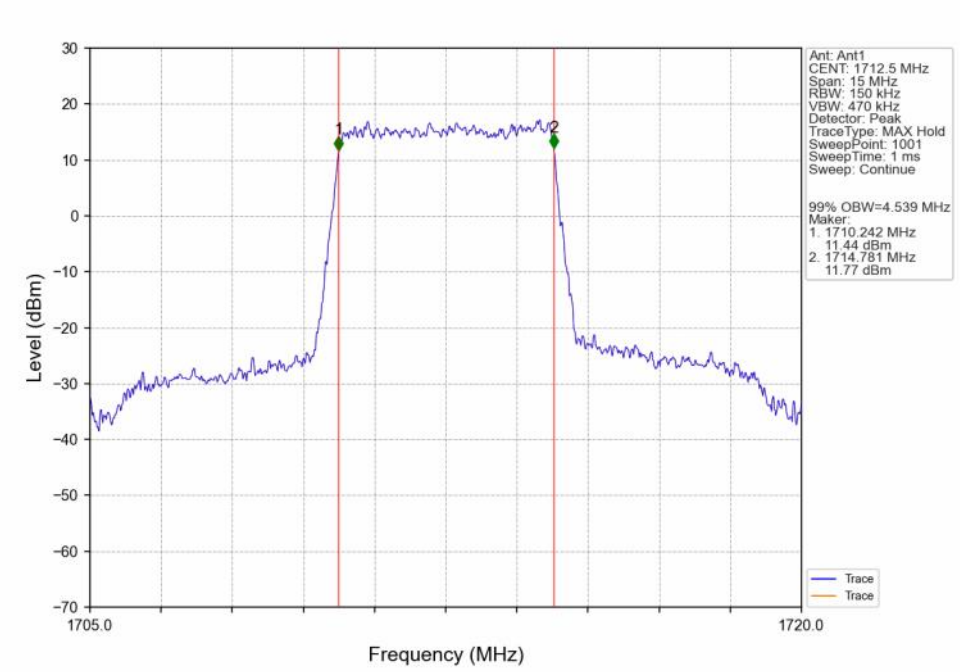
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



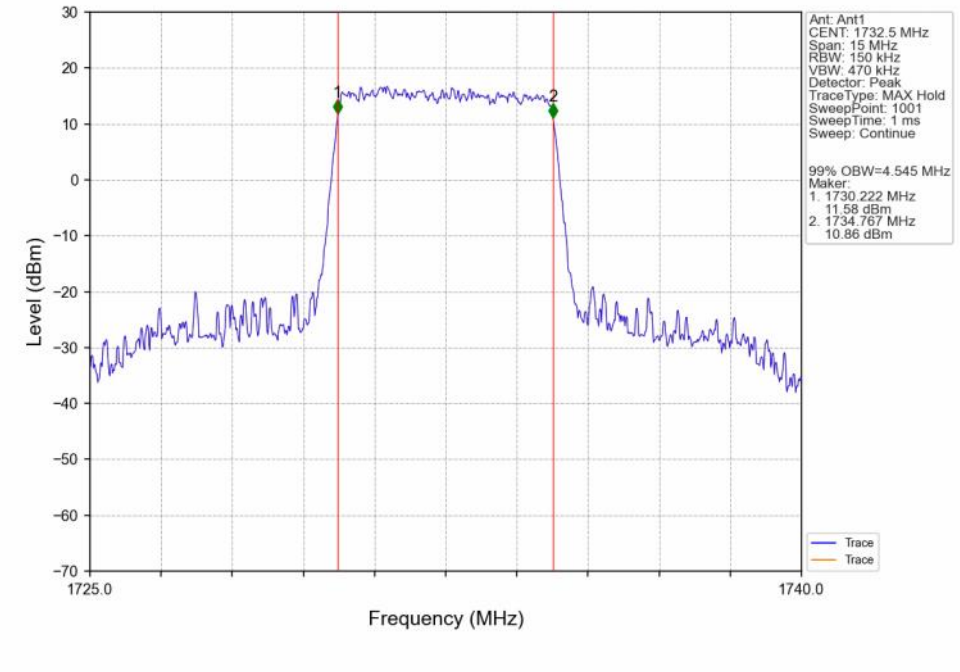

Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



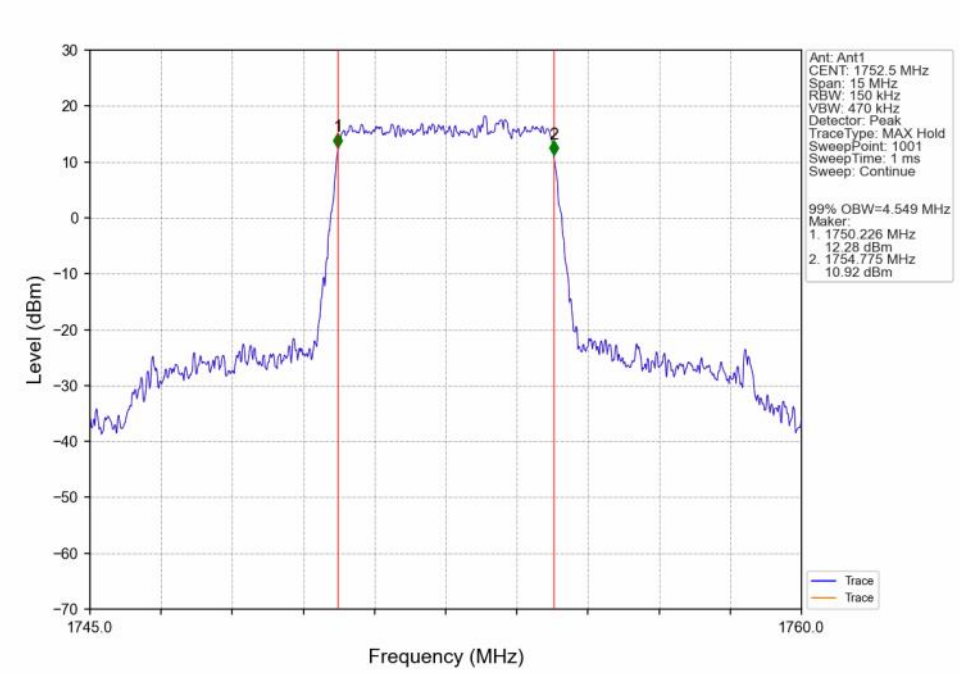
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



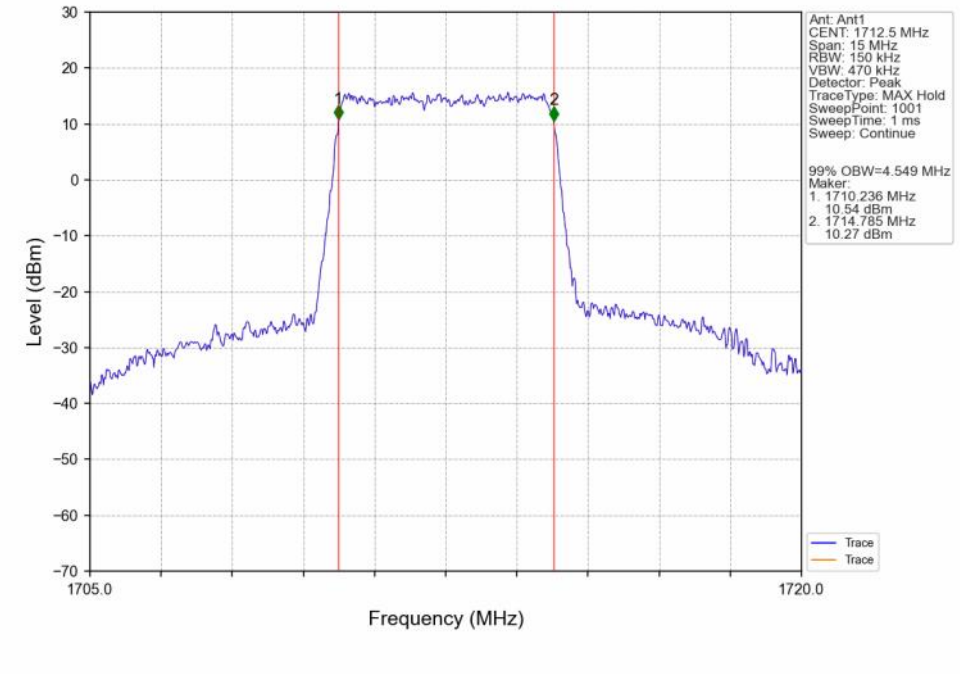

Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



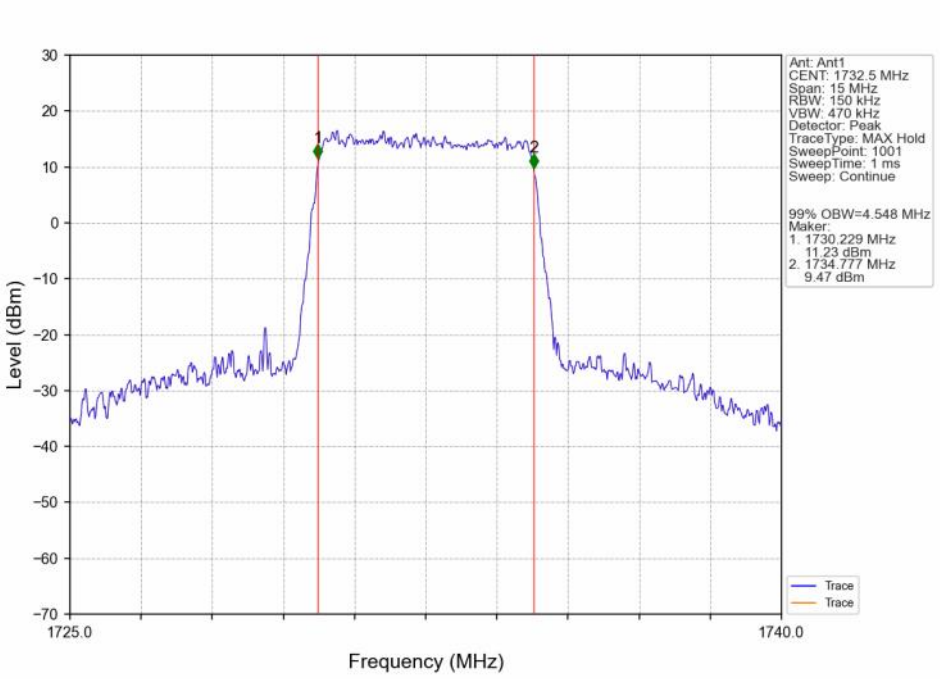
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



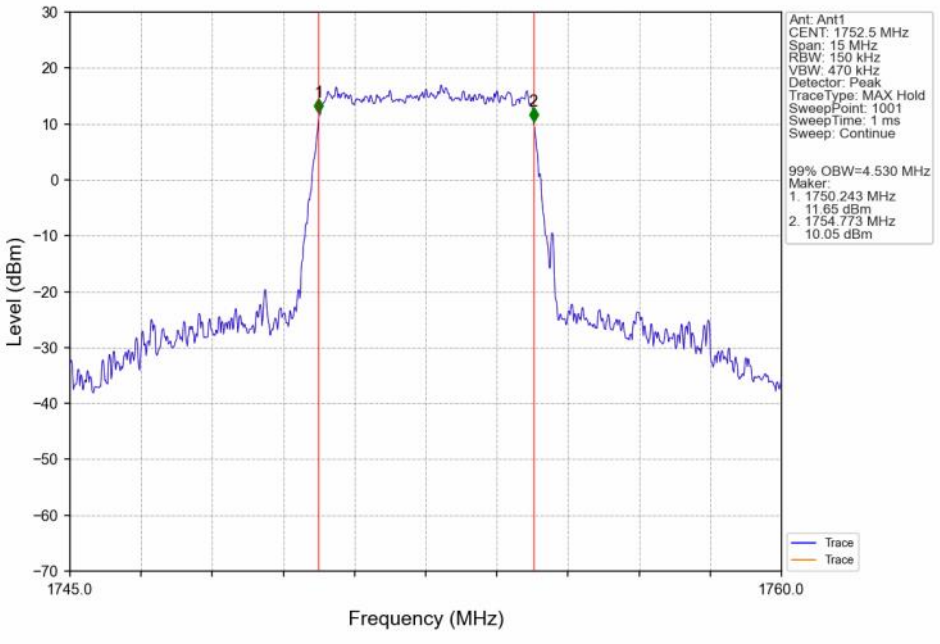

Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



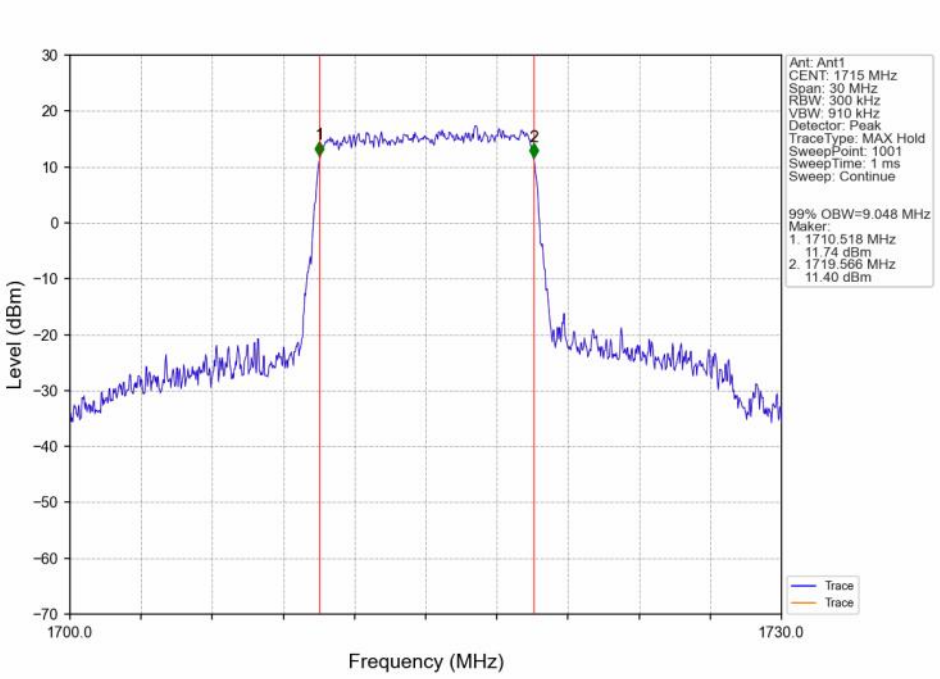
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



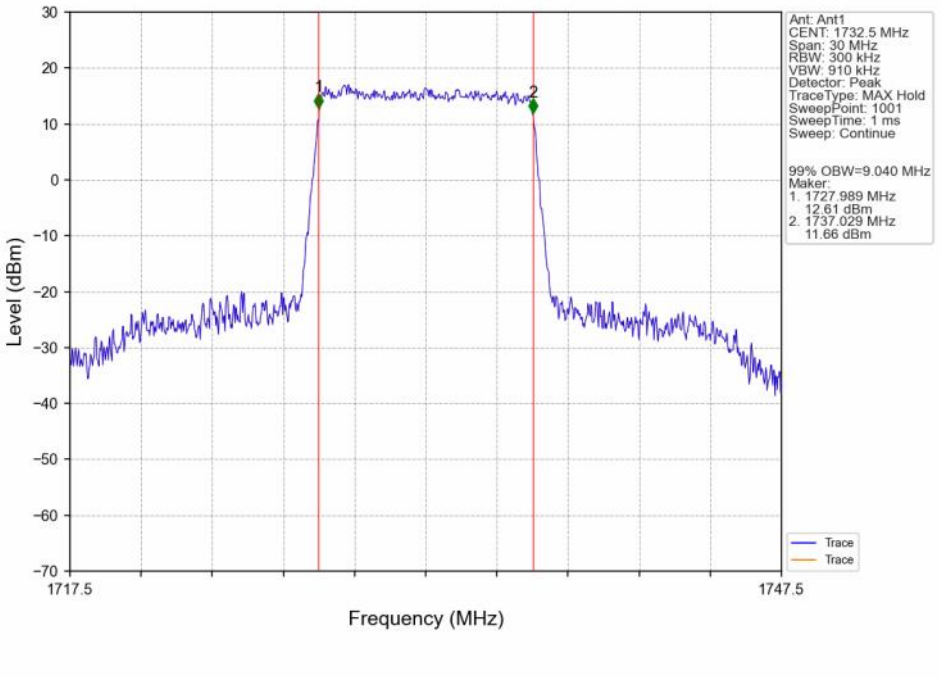

Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



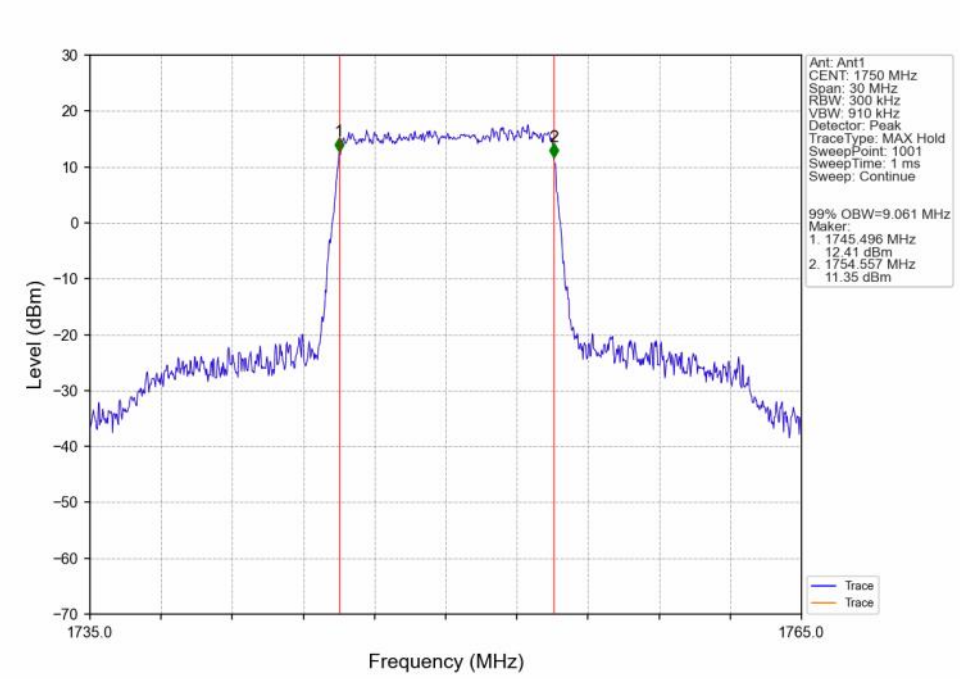
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



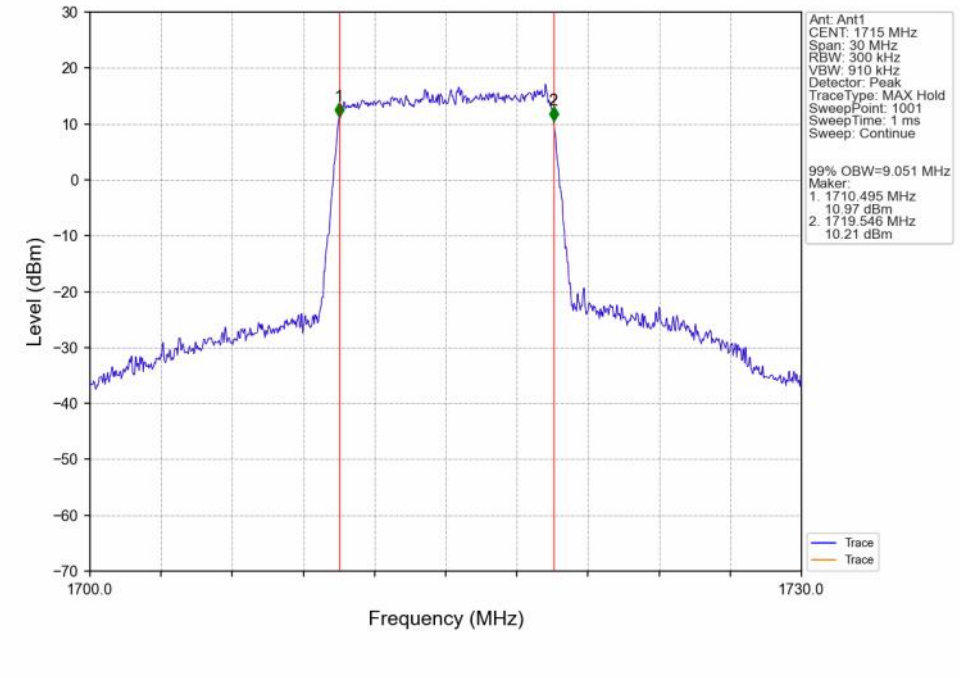

Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



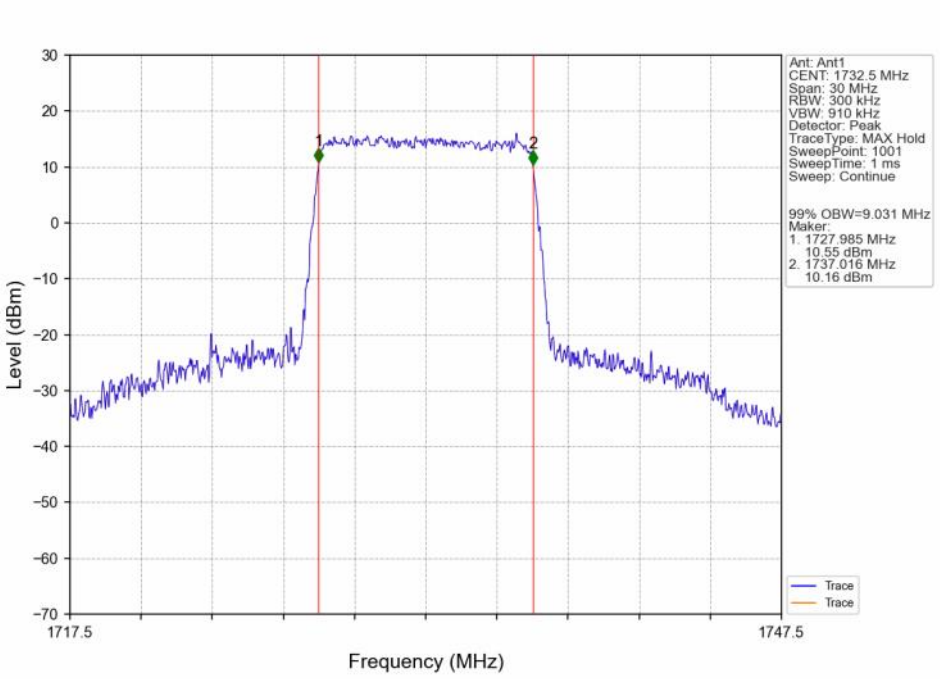
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



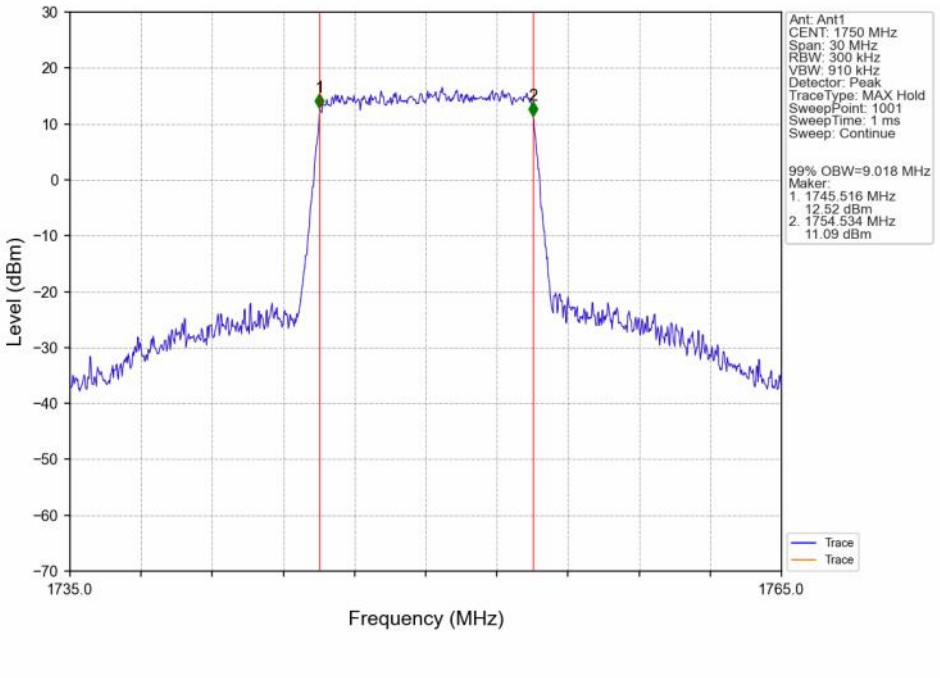

Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



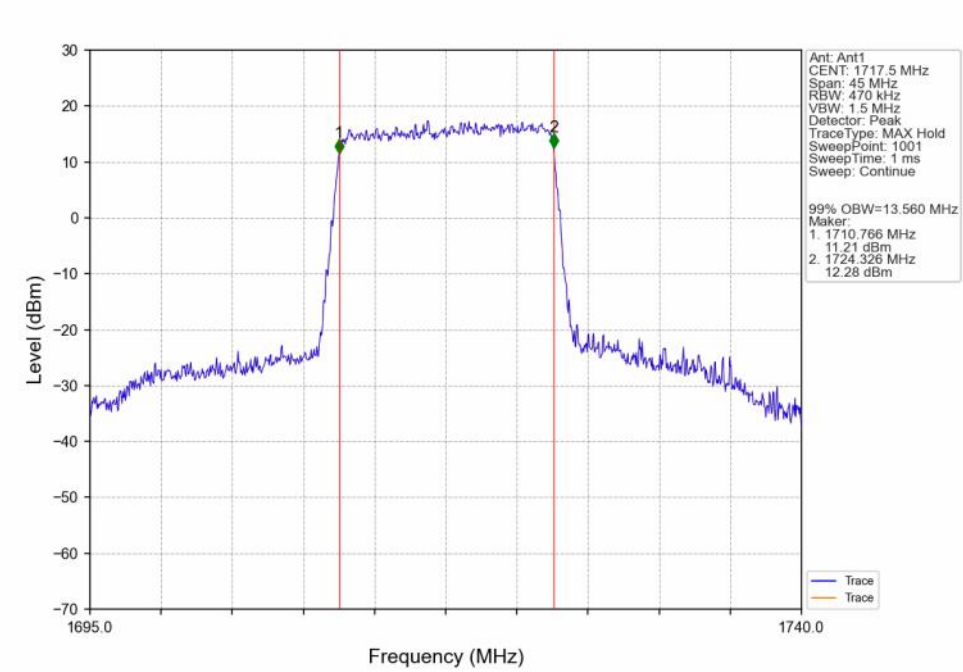
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



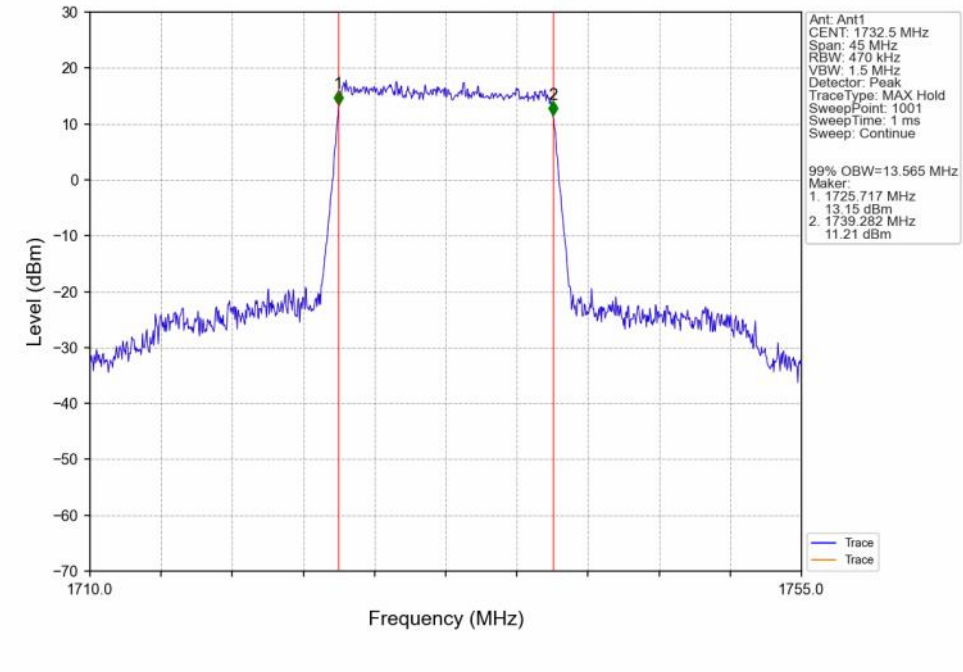

Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



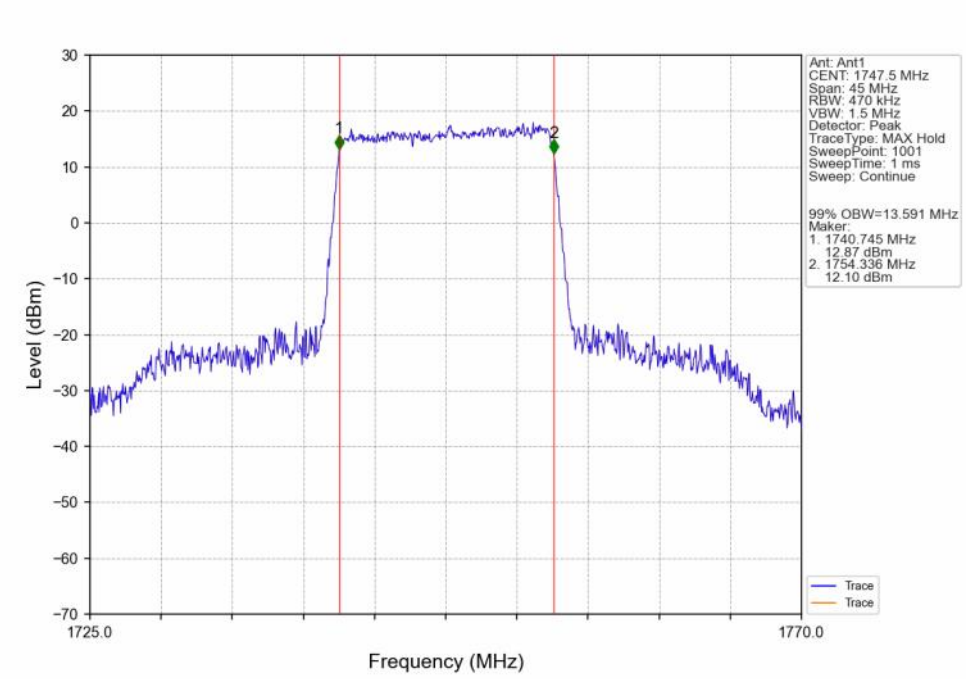
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



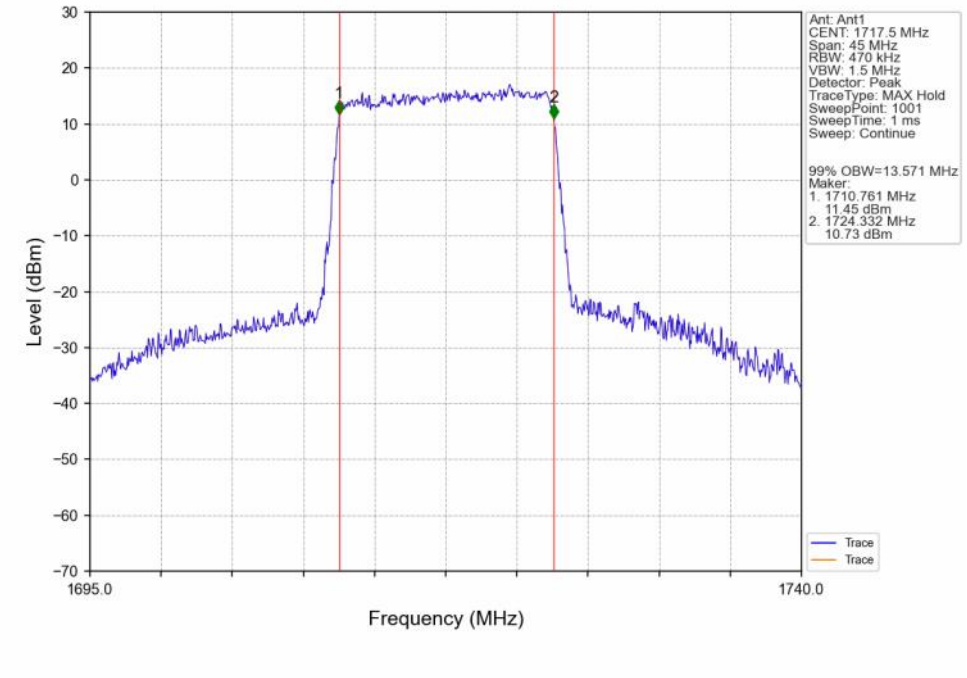

Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



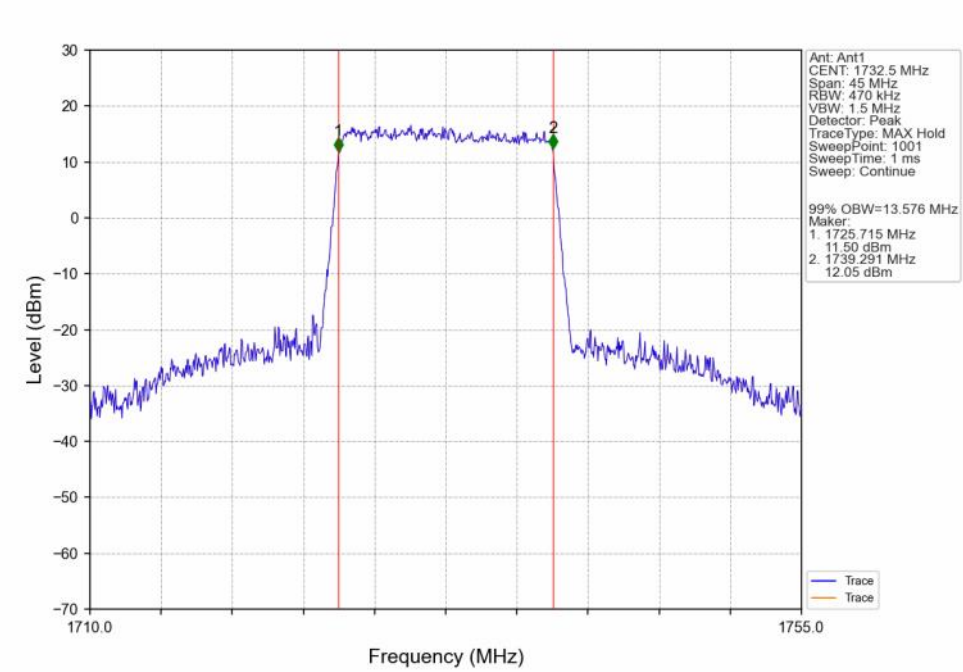
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



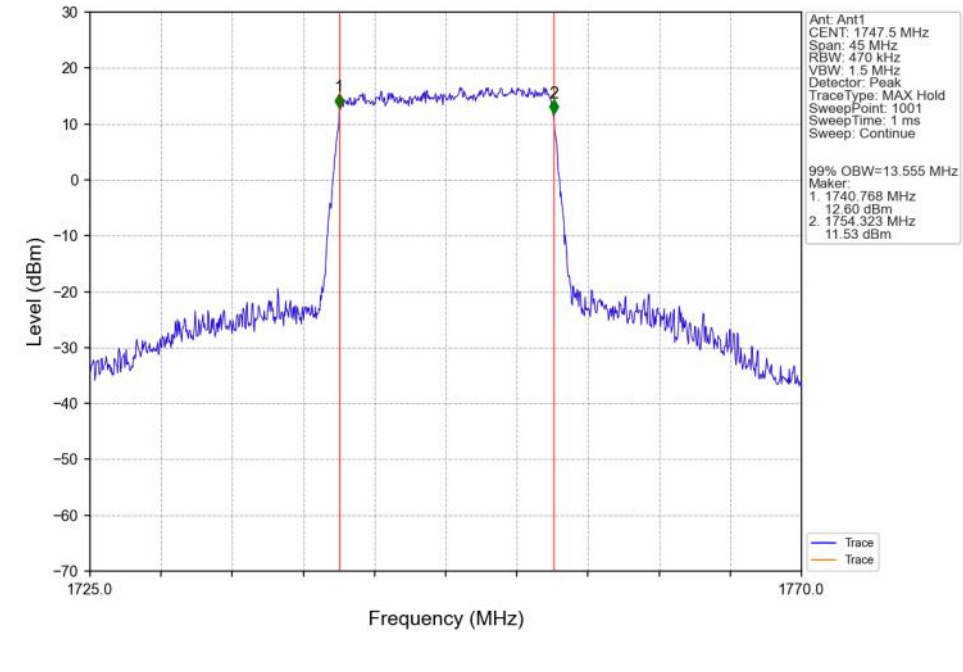

Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



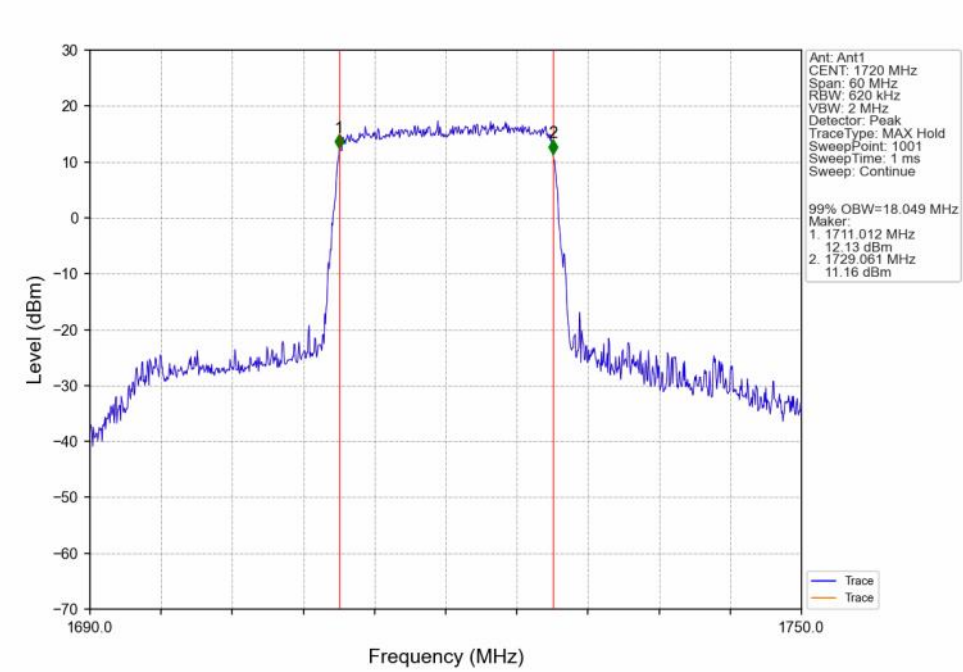
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



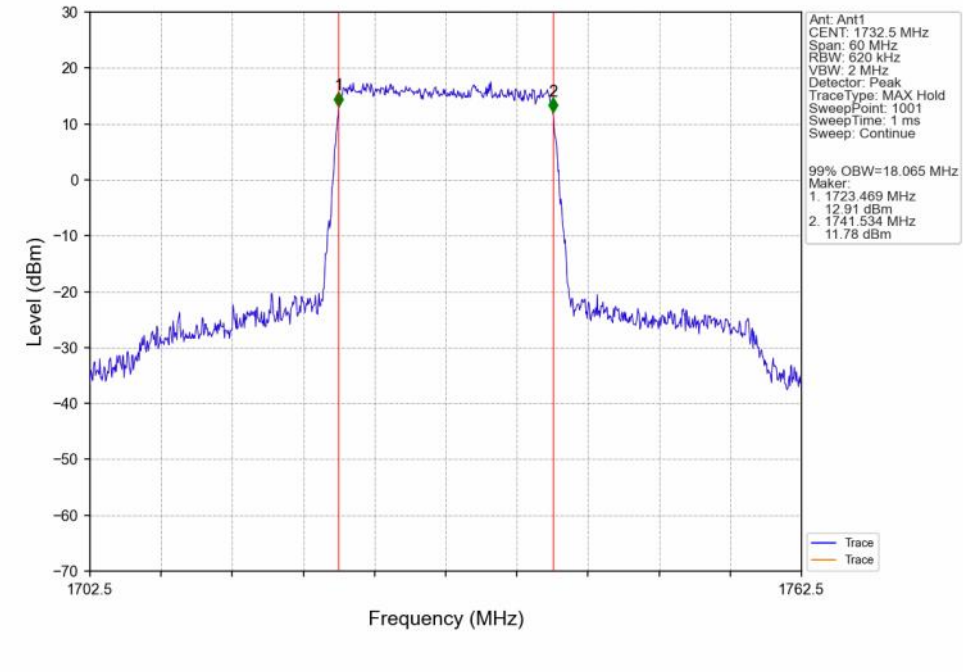

Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV



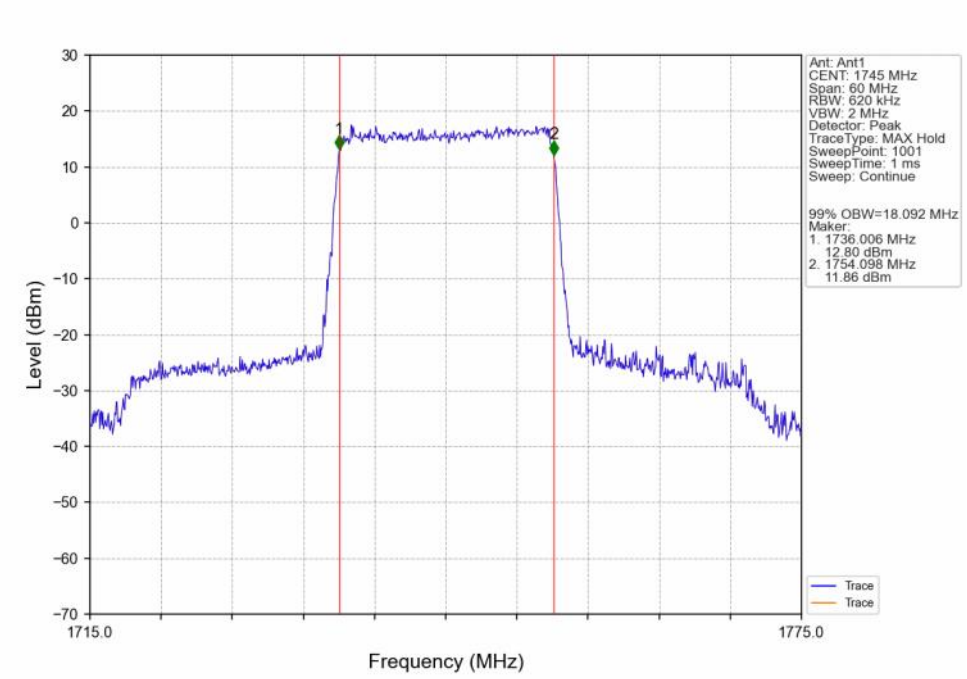
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



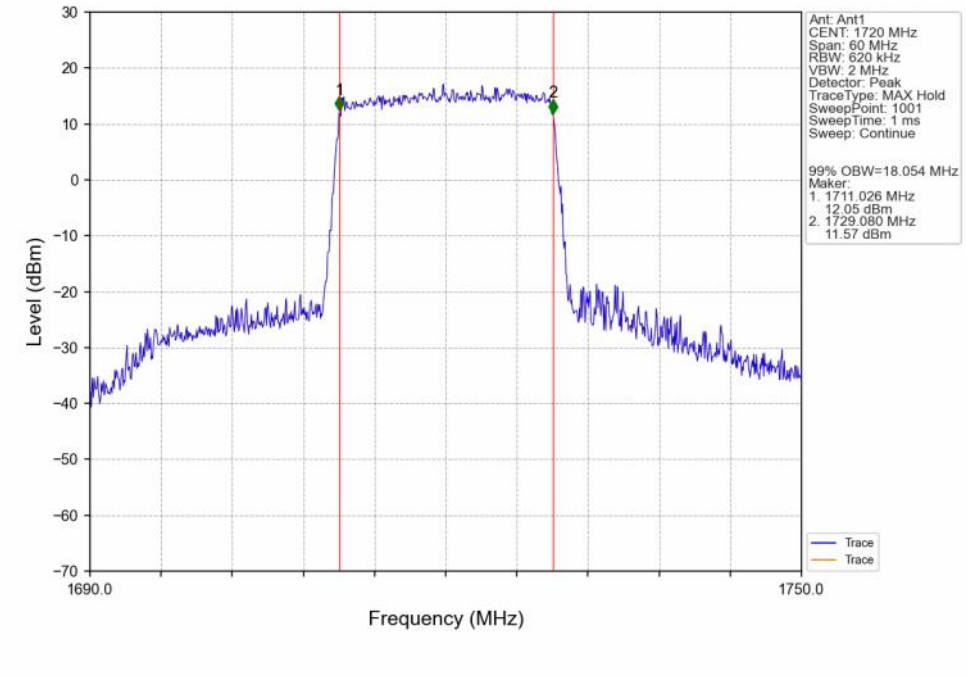

Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



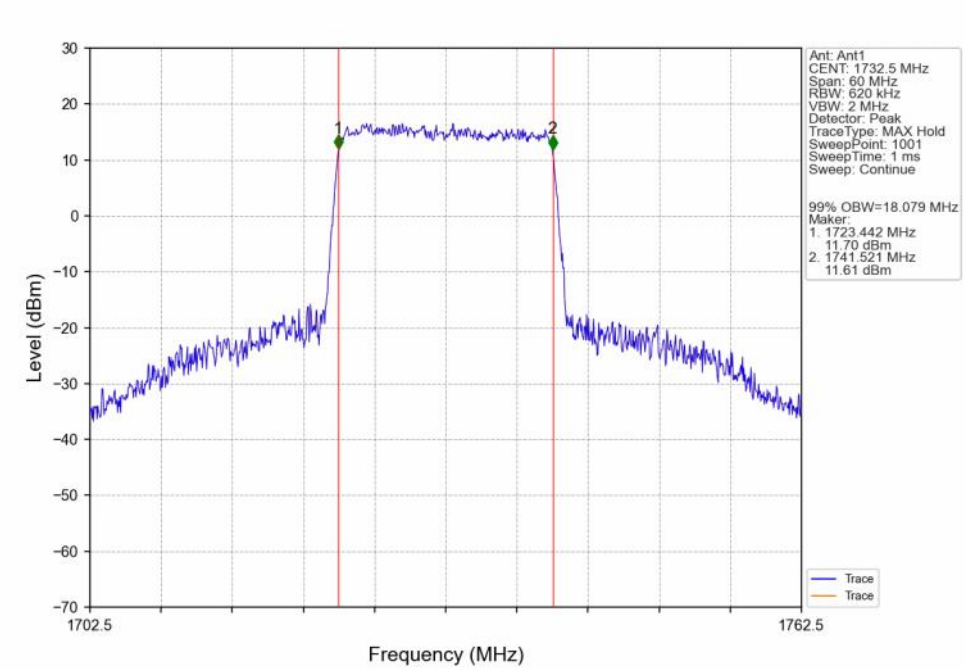
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



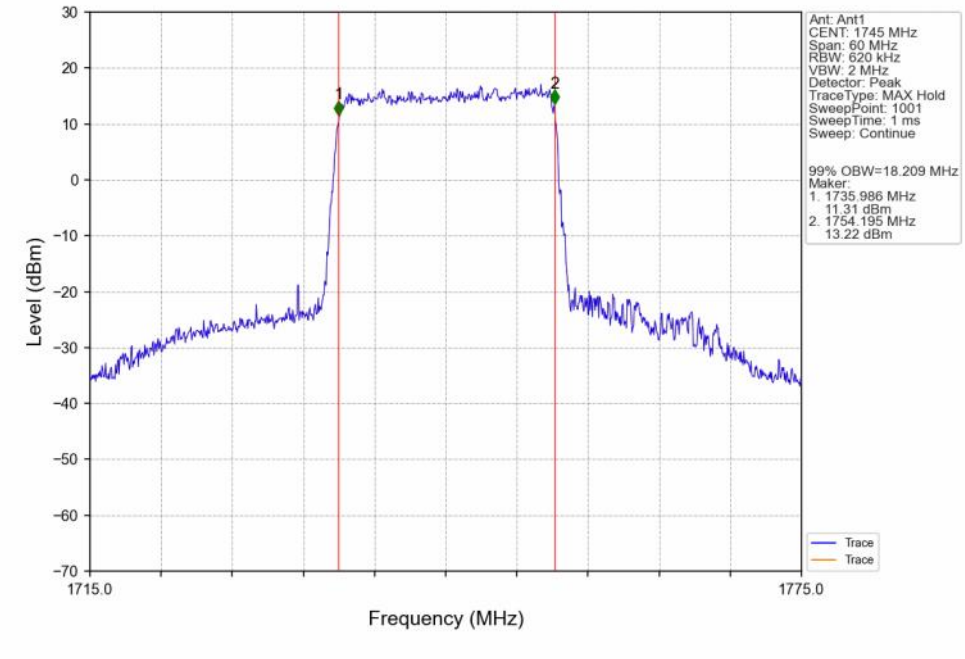

Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



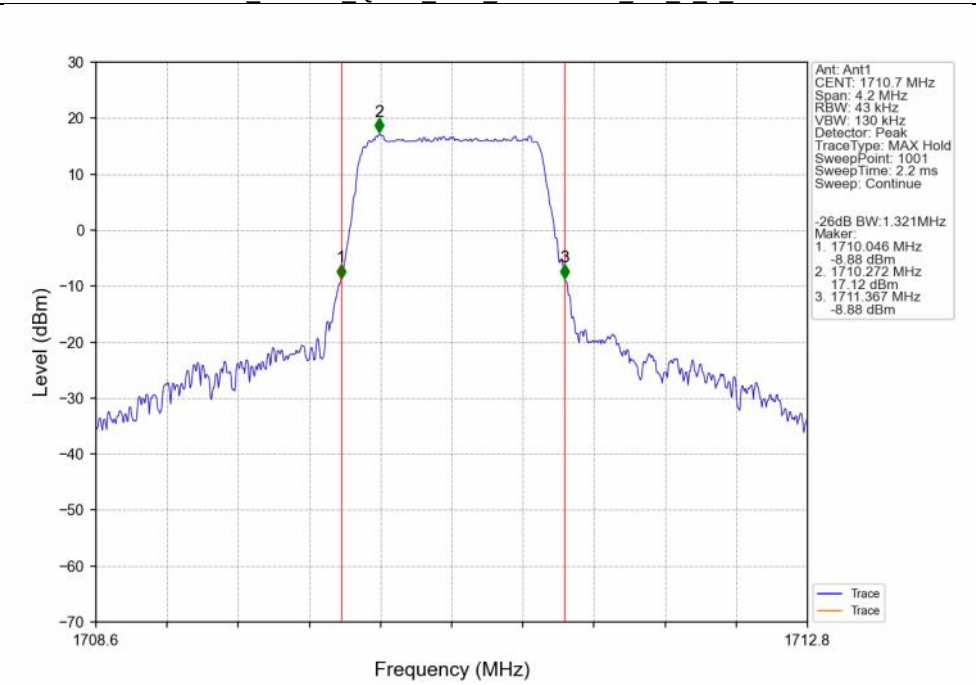
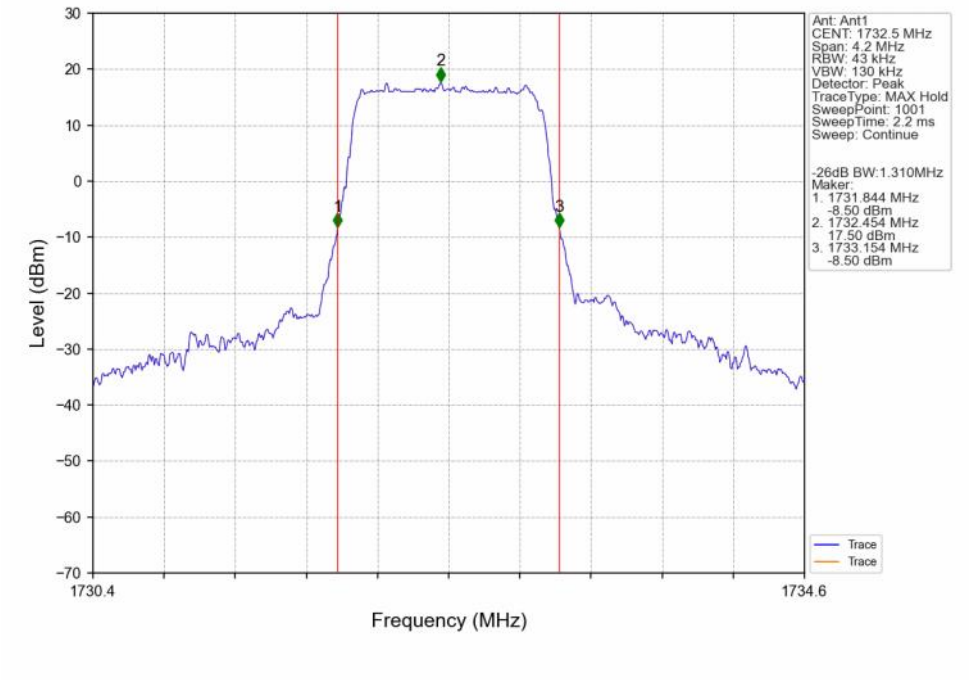
Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



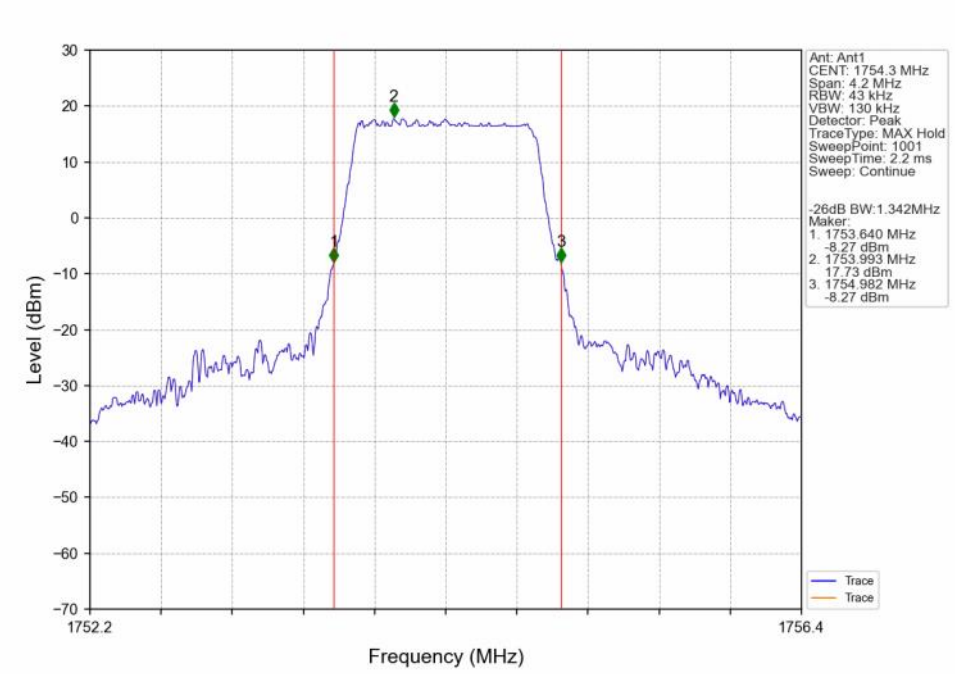

Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV



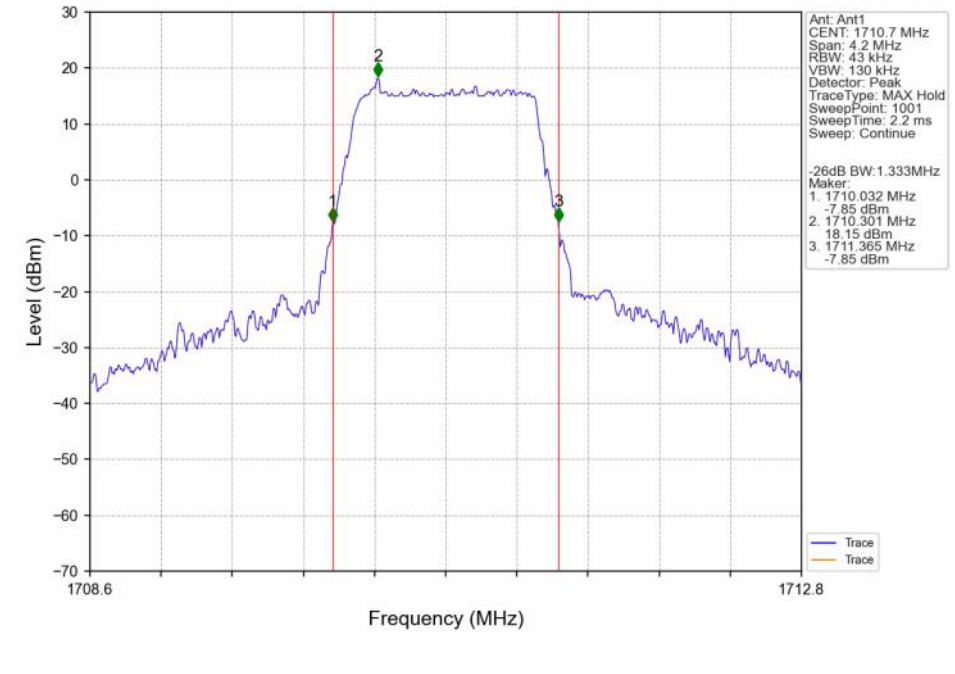
## 4.2.2 Band4_XDB

| Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV |
| --- |
|  |
| Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV |
|  |

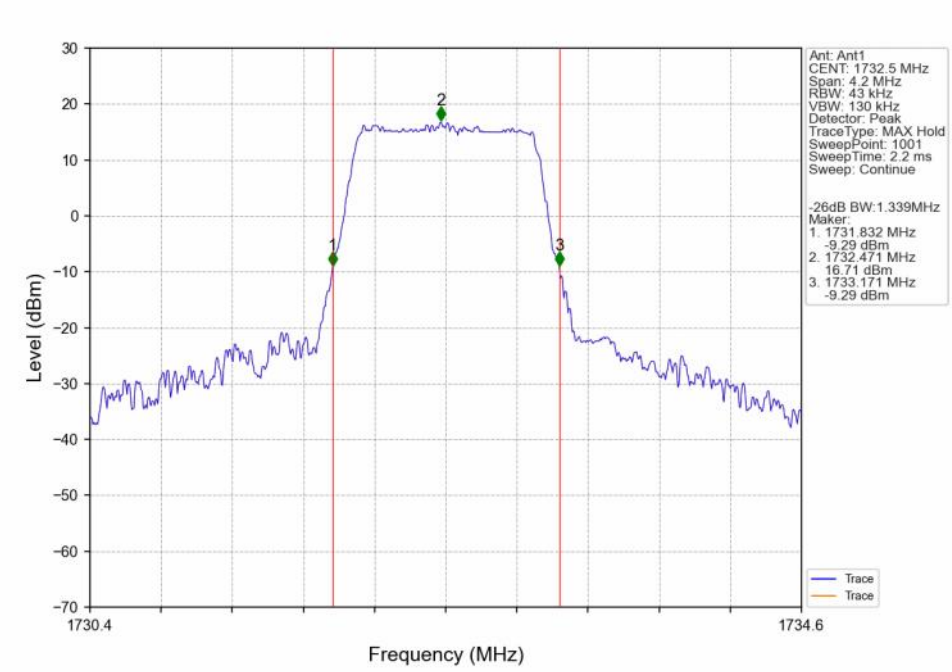
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



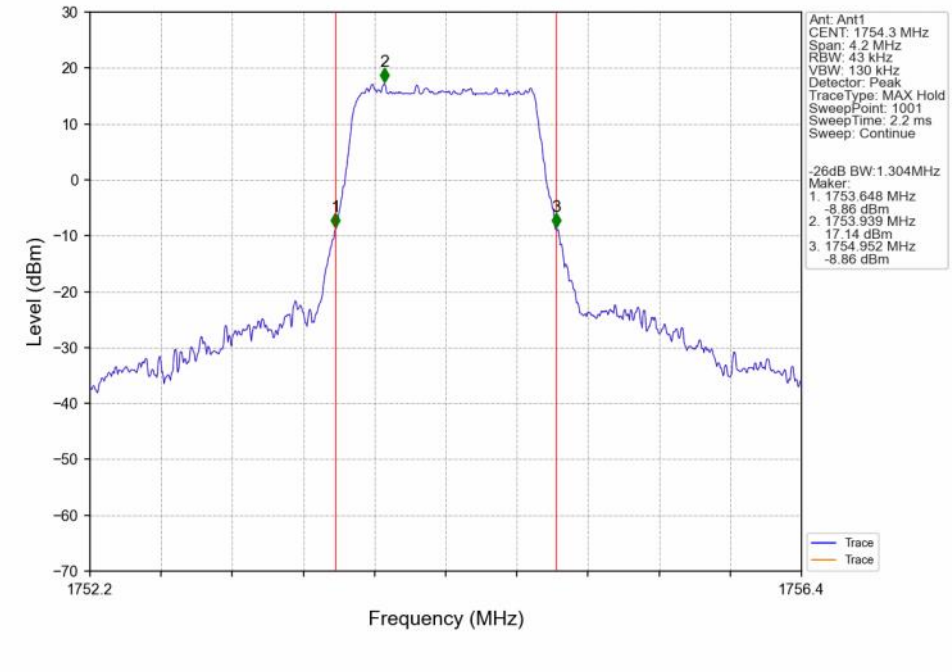

Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



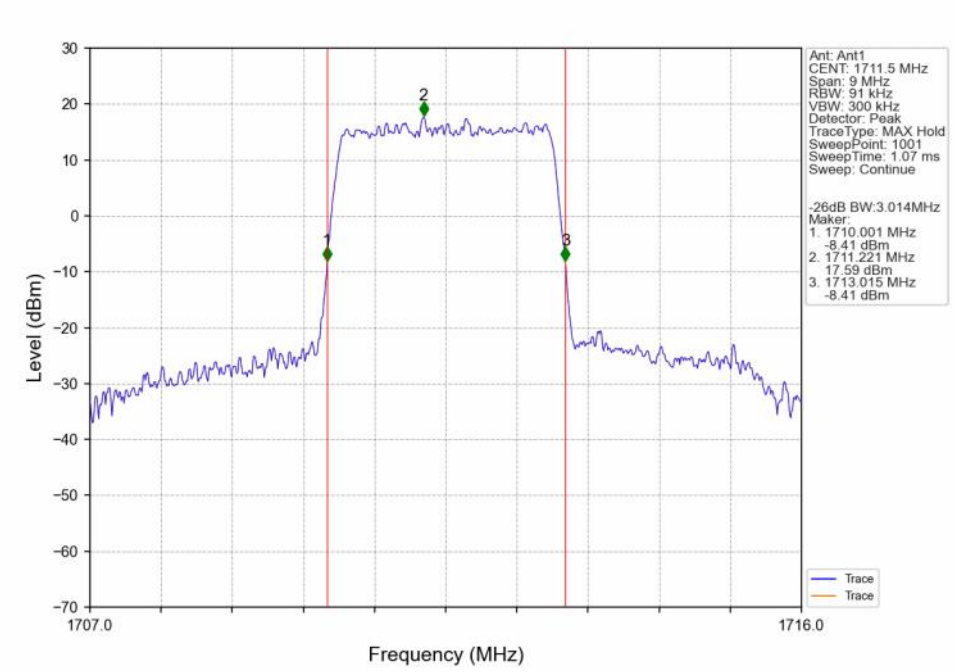
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



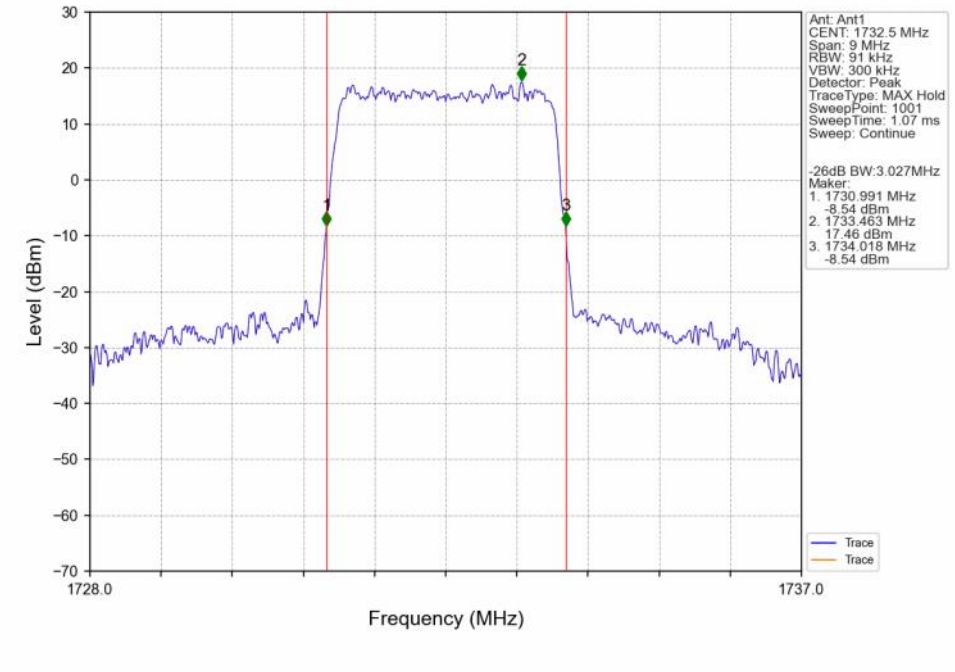

Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



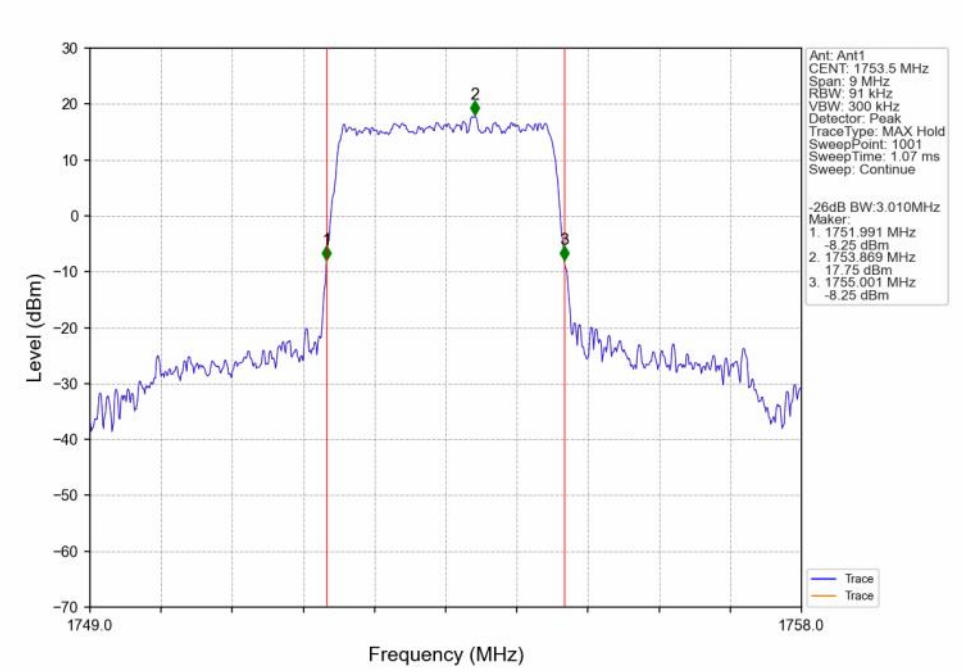
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



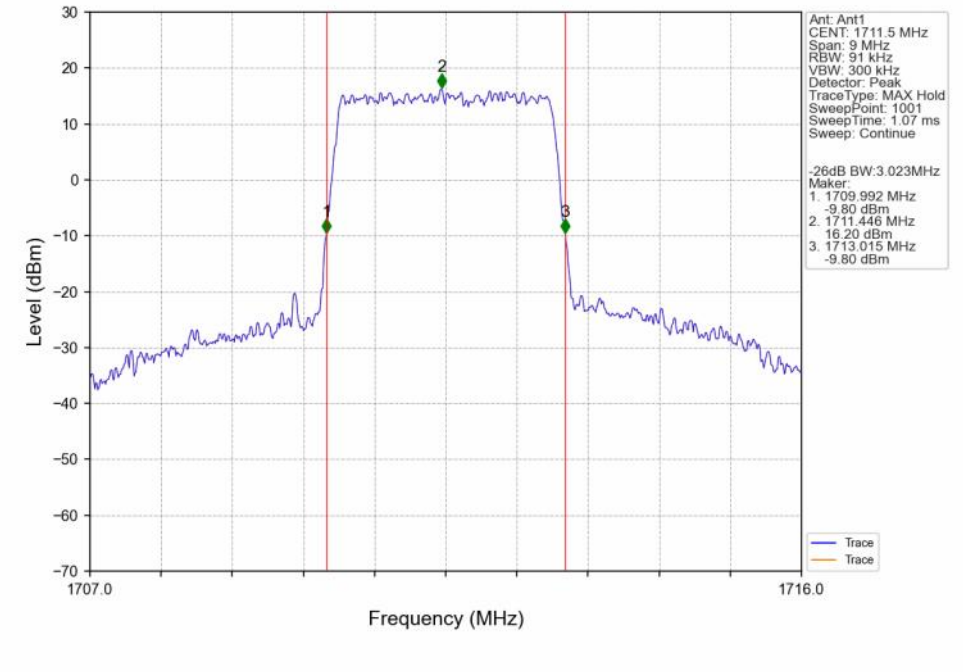

Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



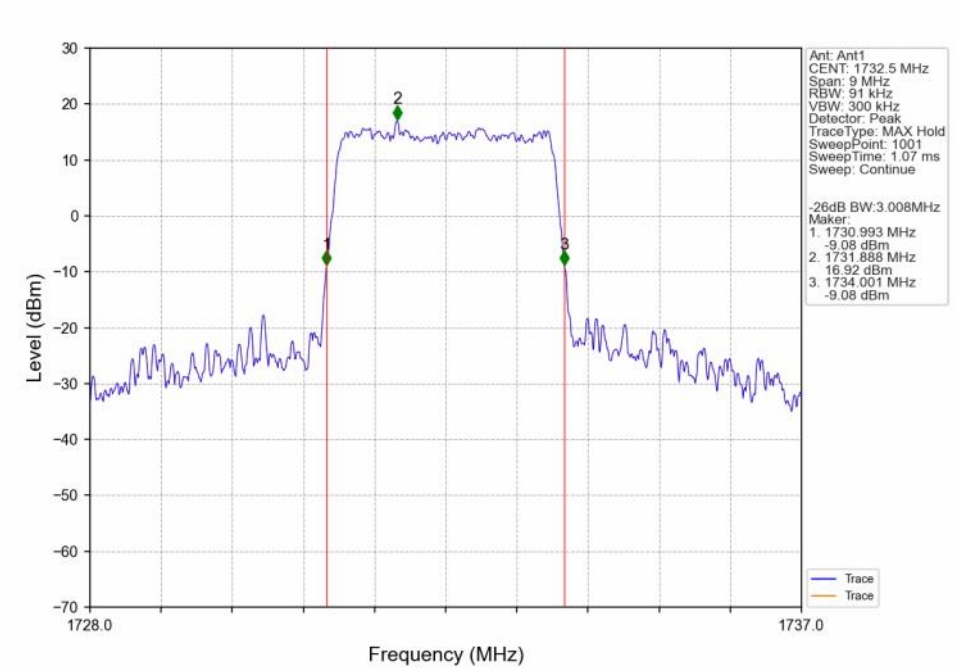
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



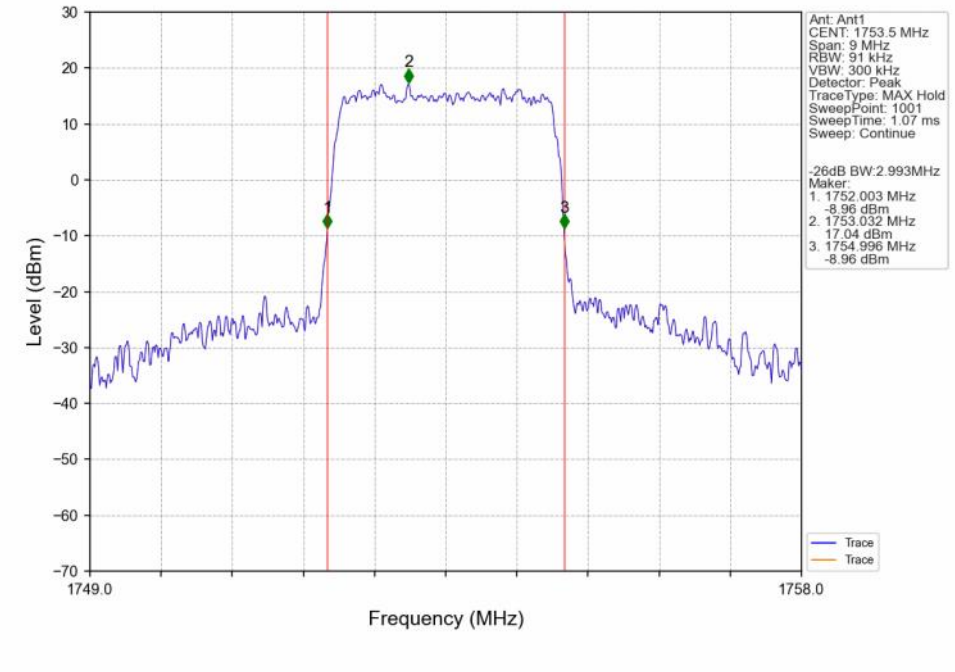

Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



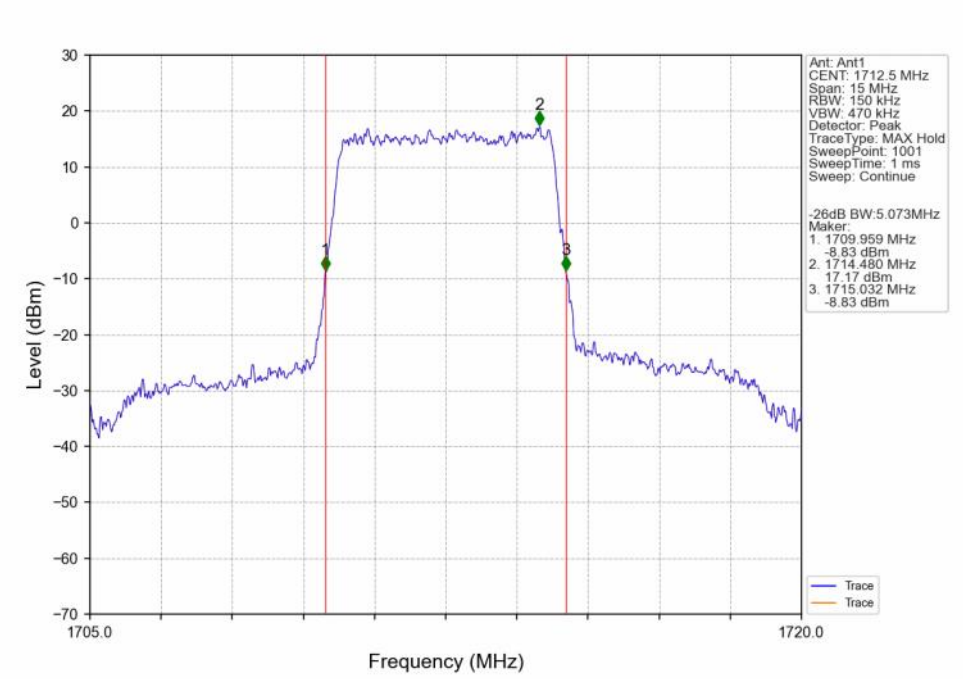
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



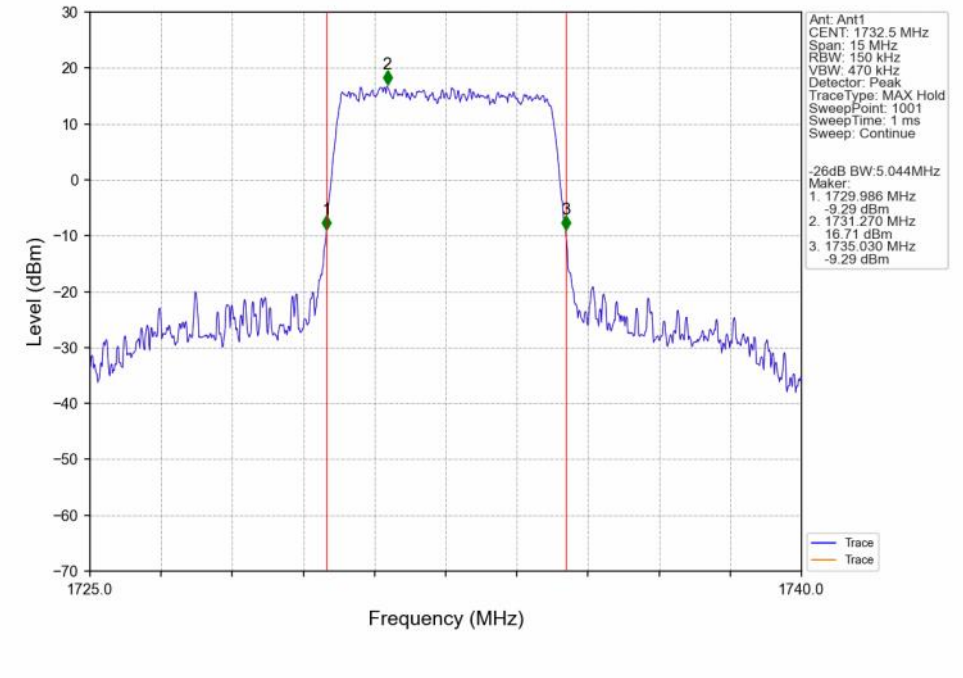

Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



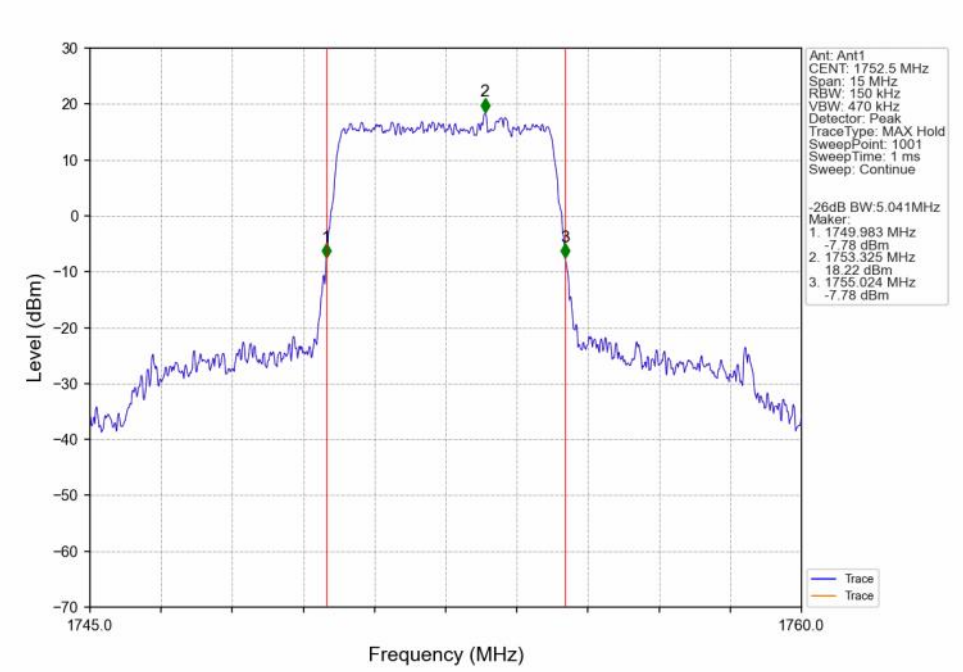
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



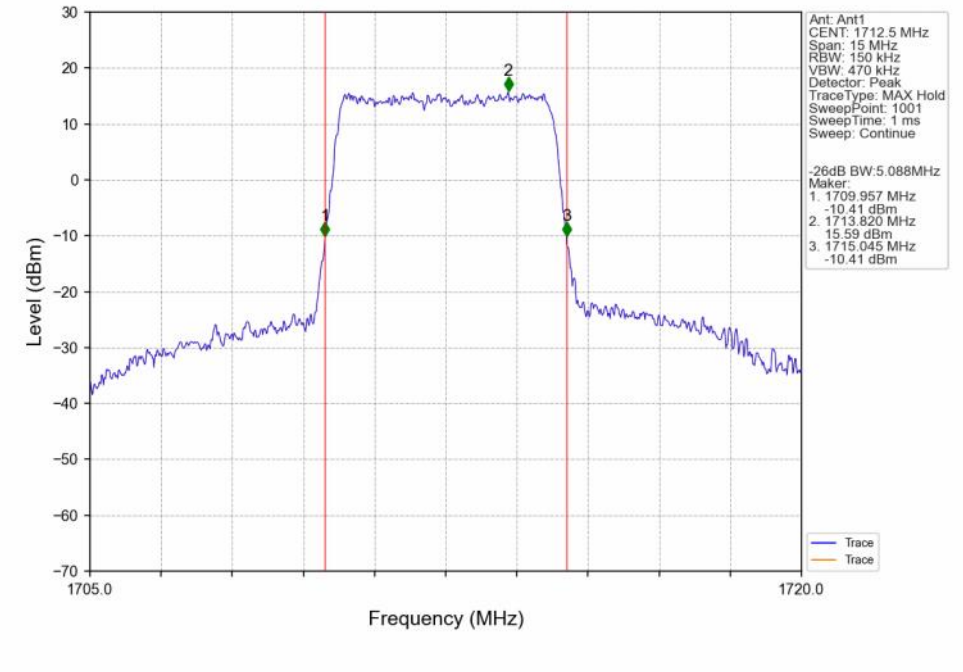

Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



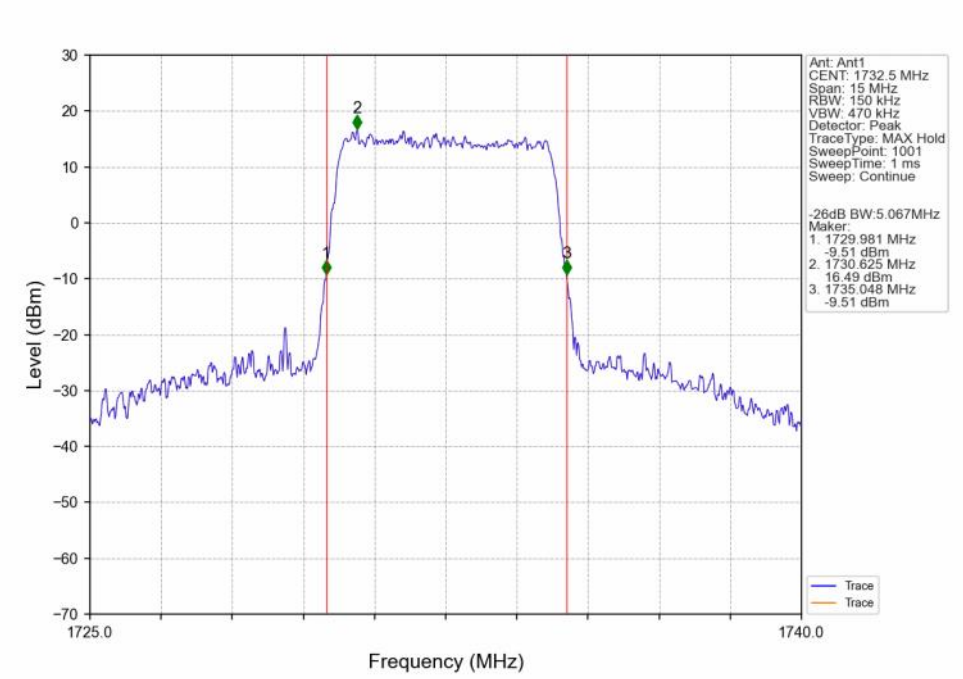
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



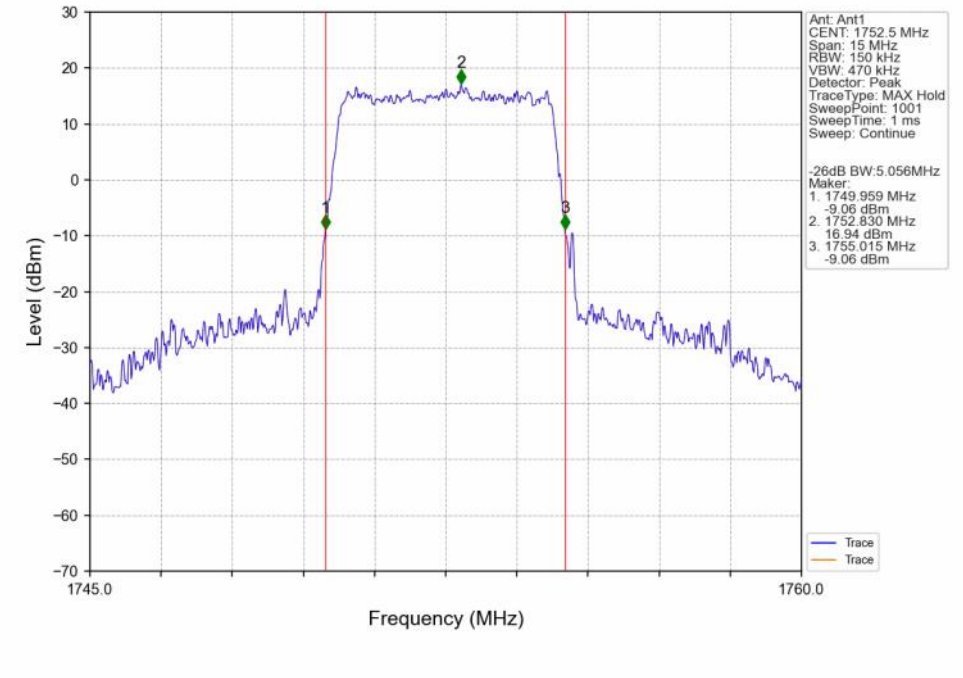

Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



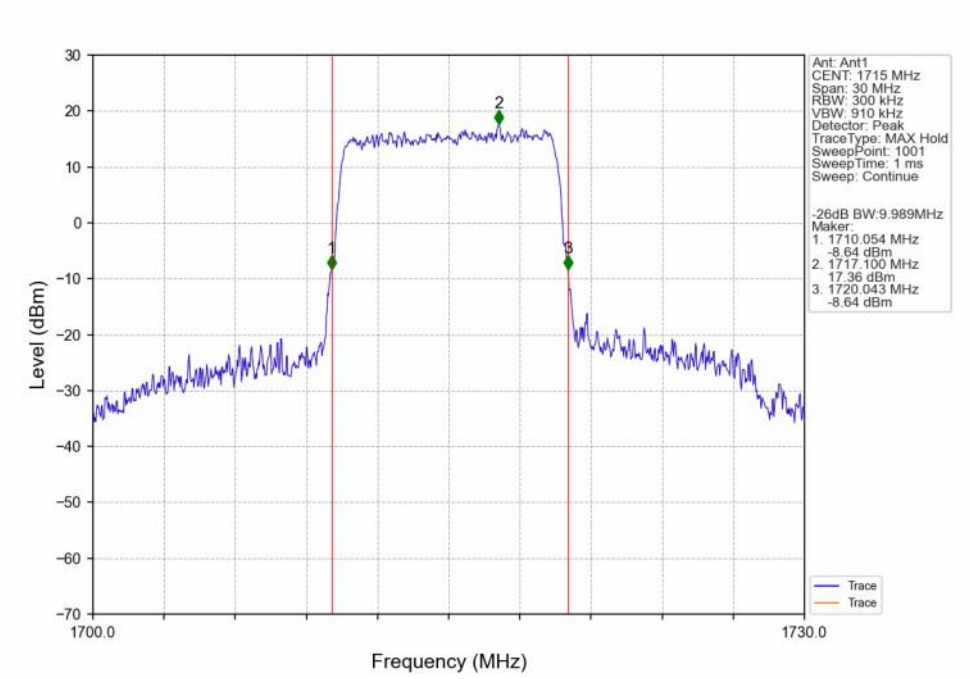
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



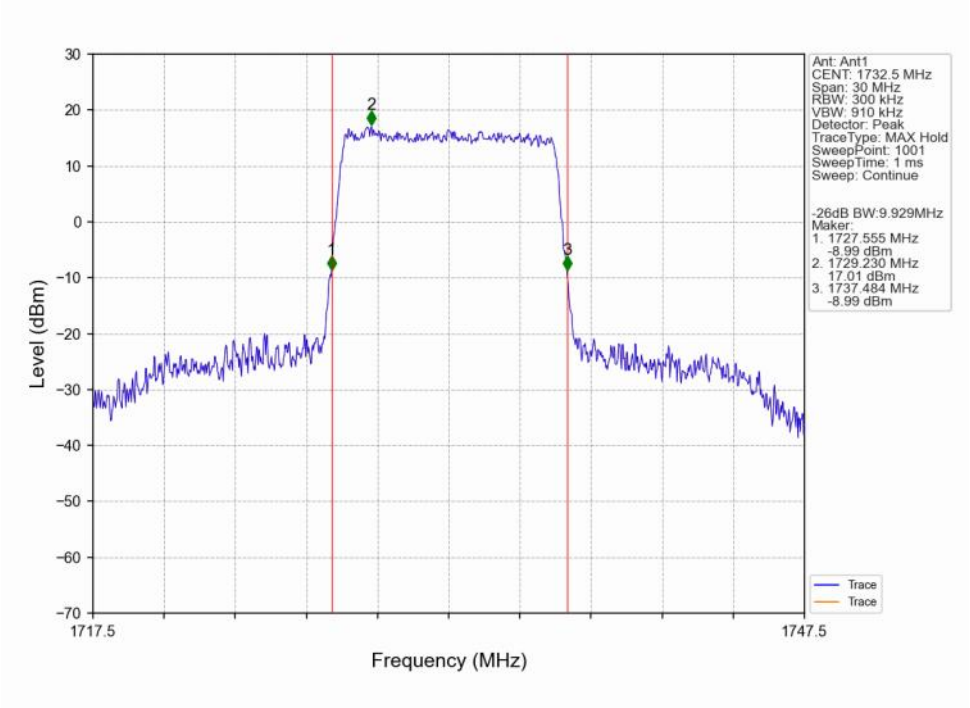

Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



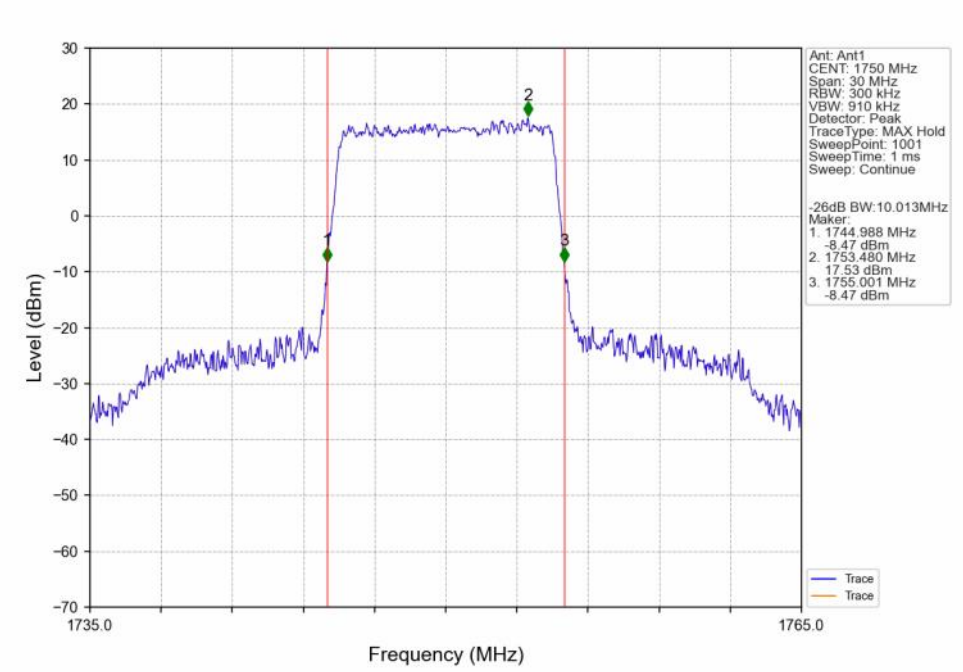
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



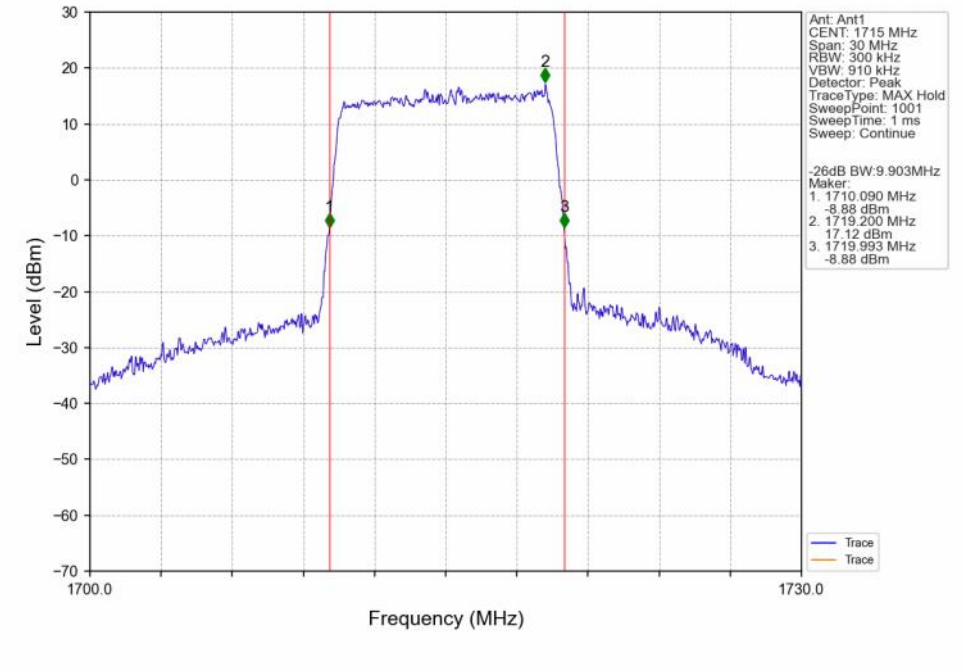

Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



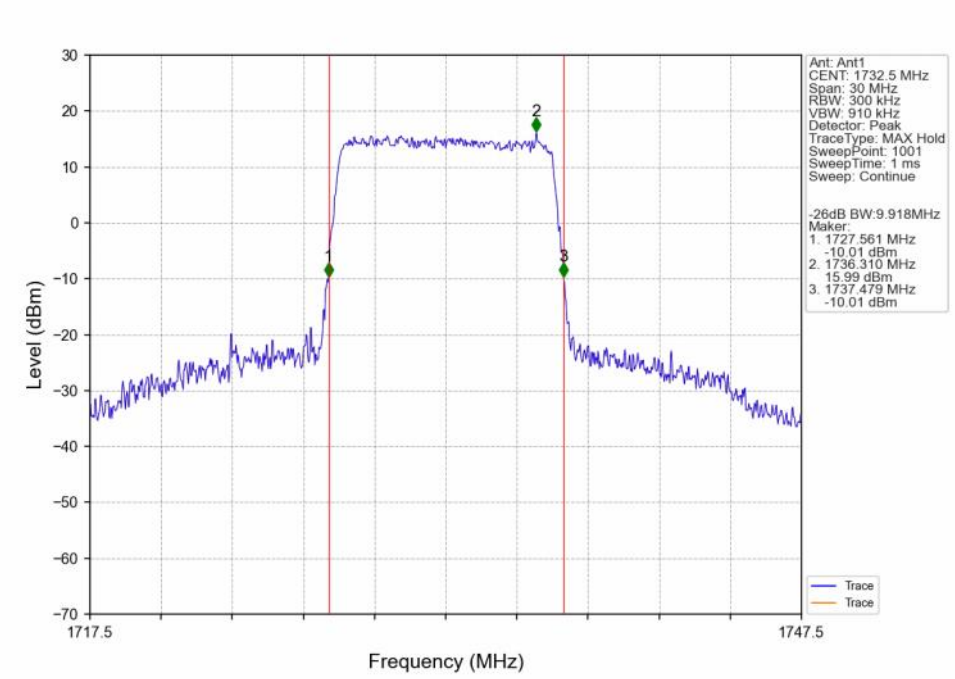
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



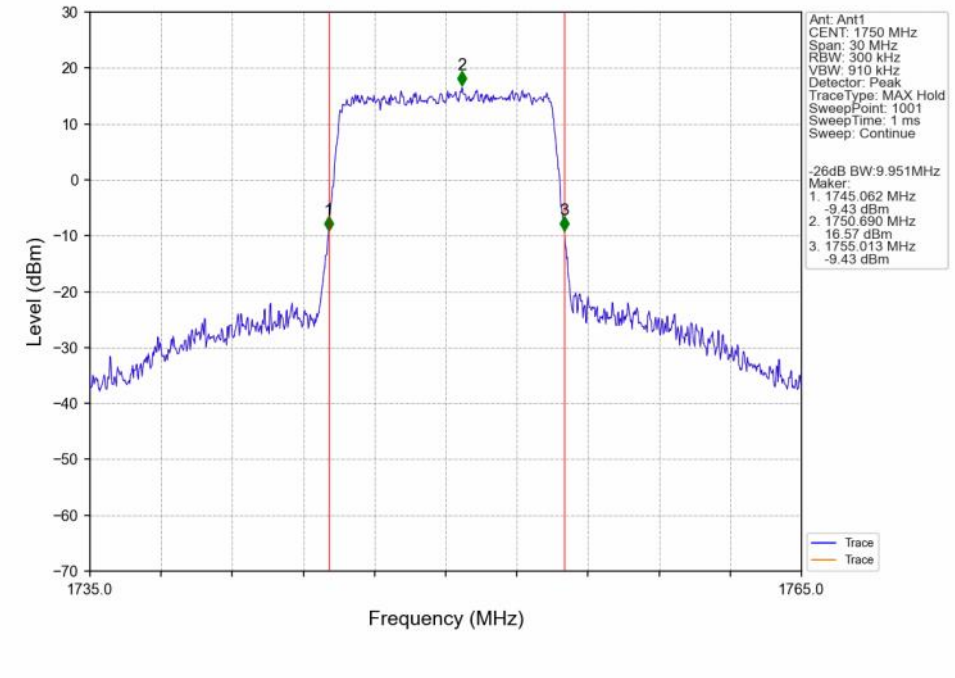

Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



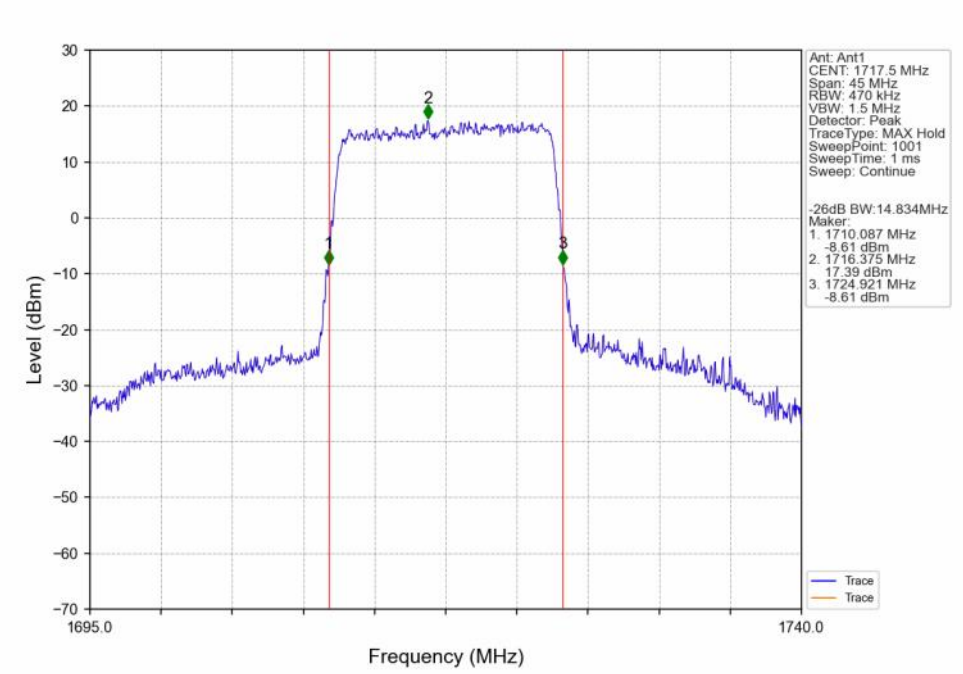
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



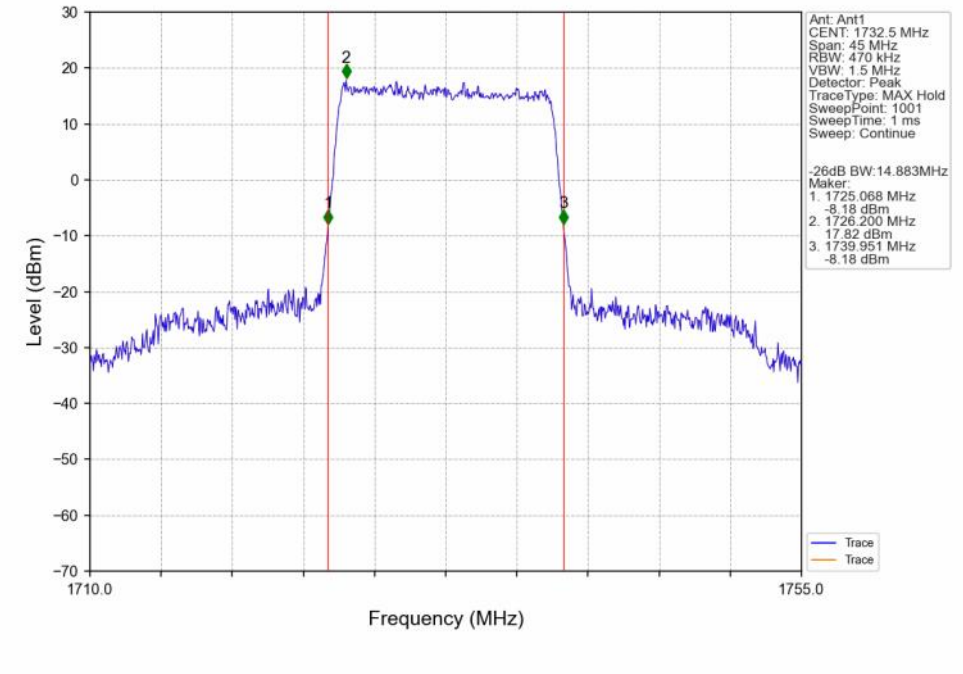

Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



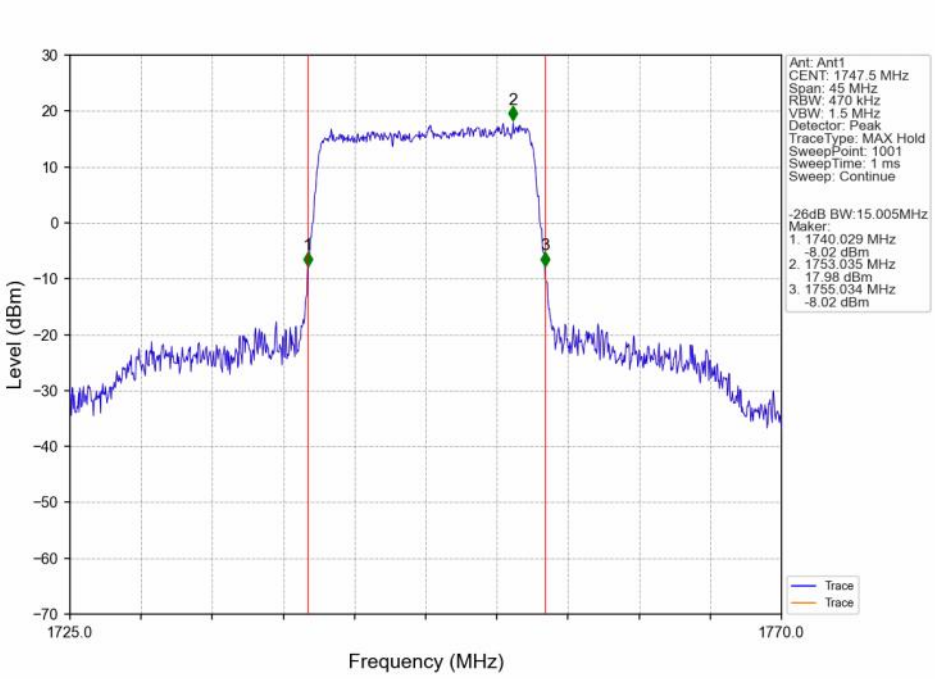
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



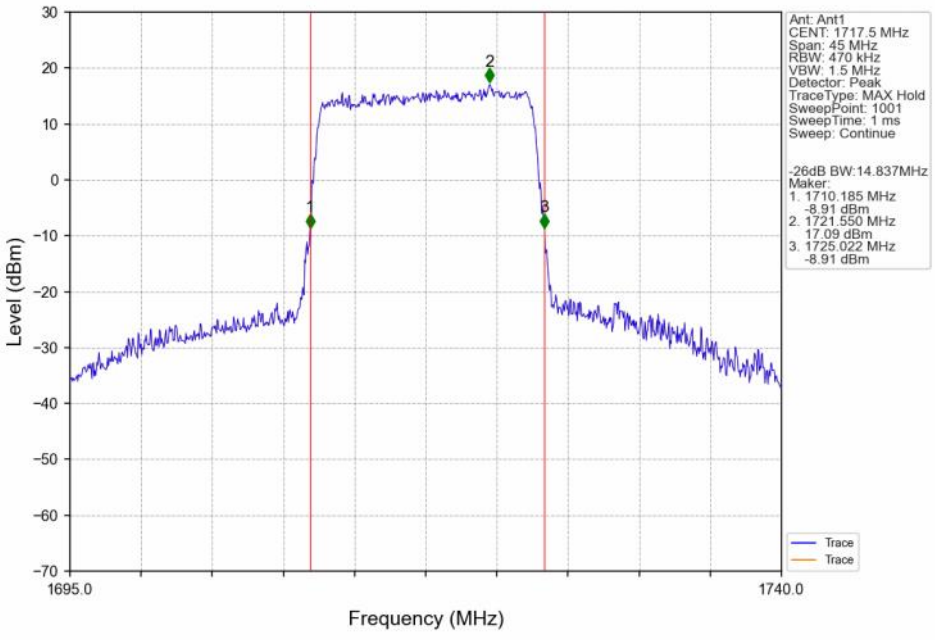

Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



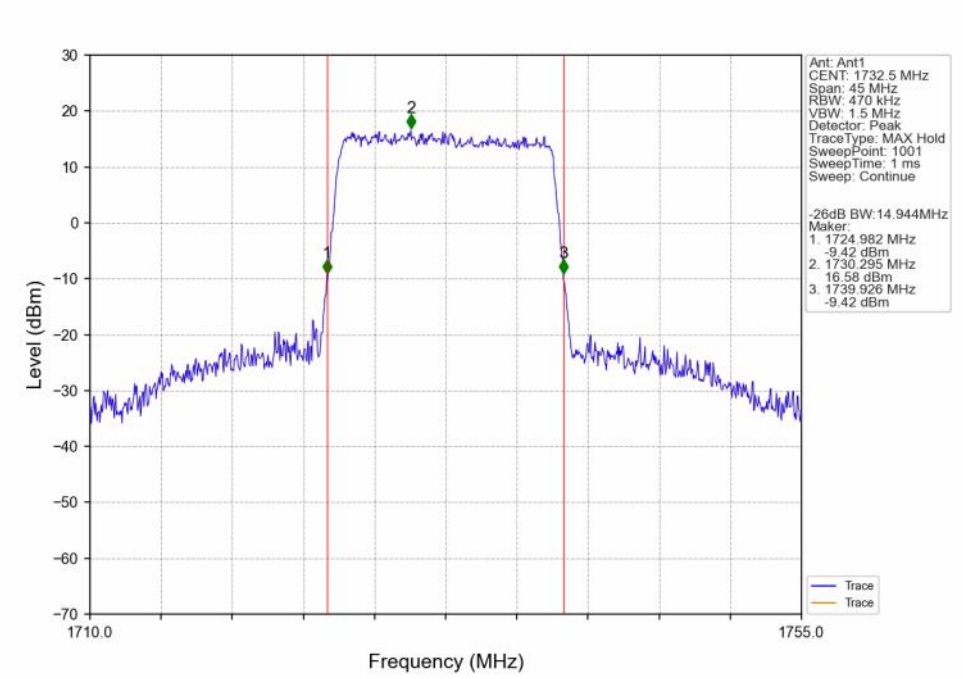
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



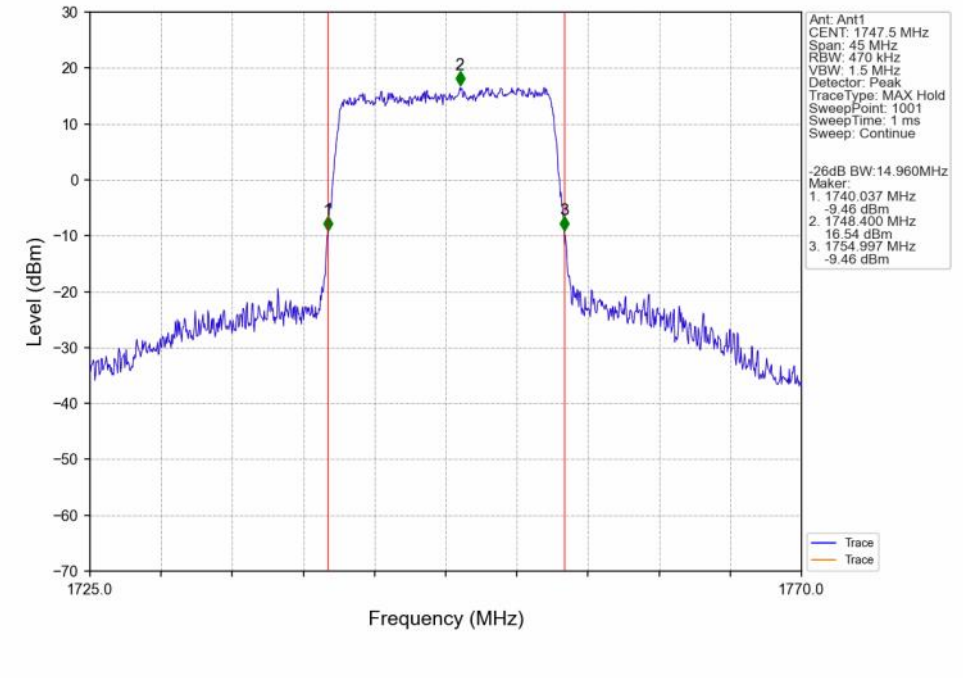

Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



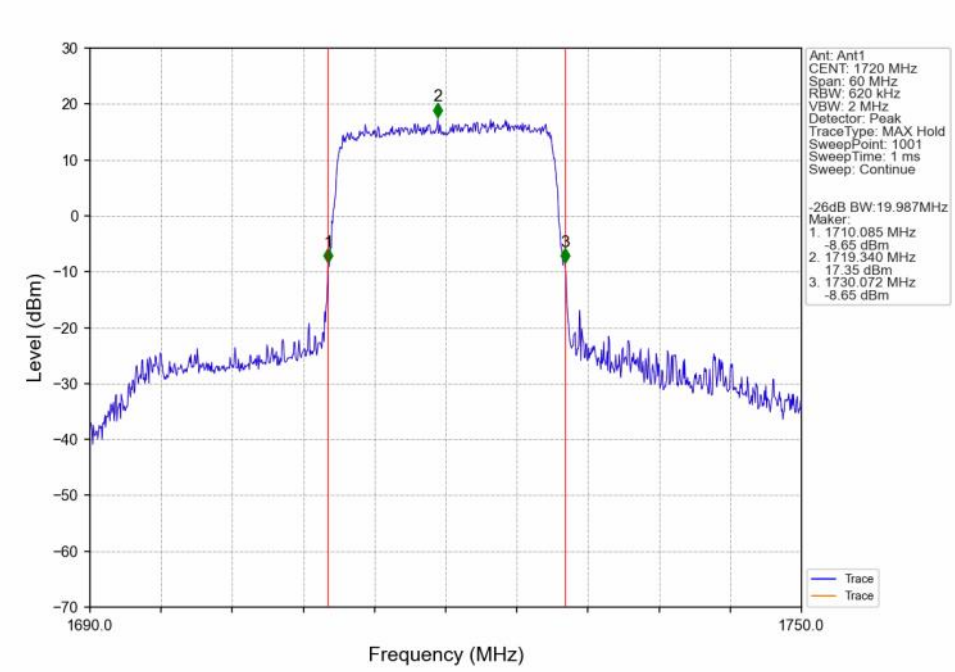
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



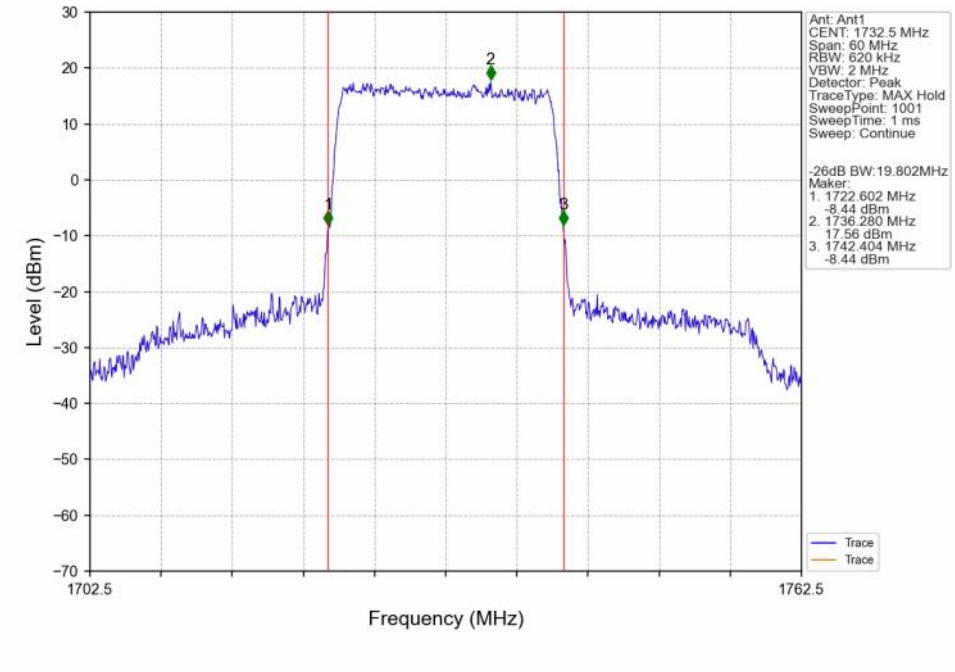

Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV



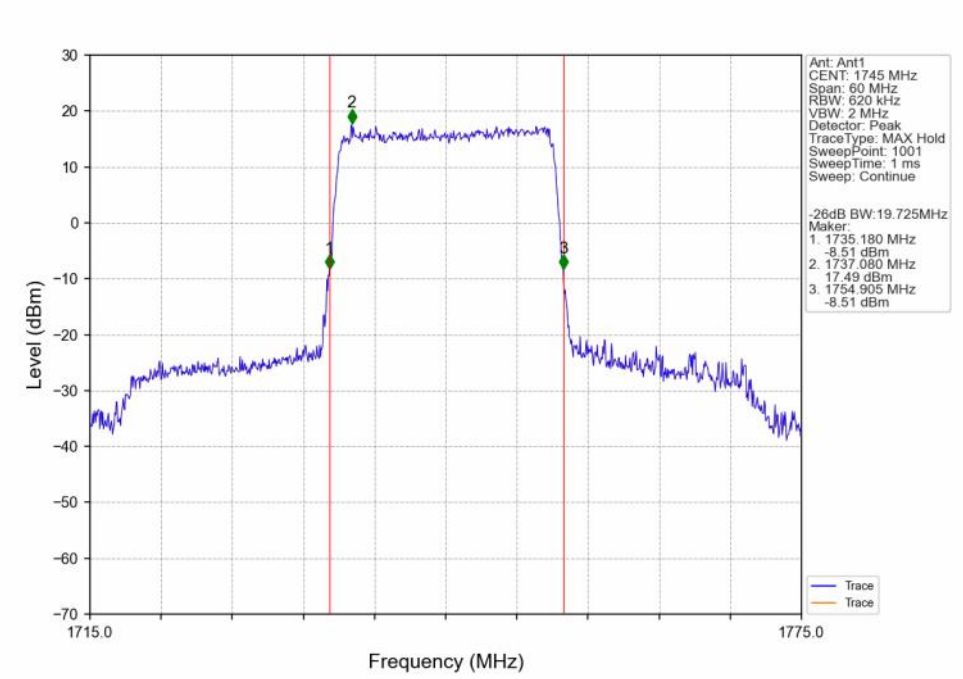
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



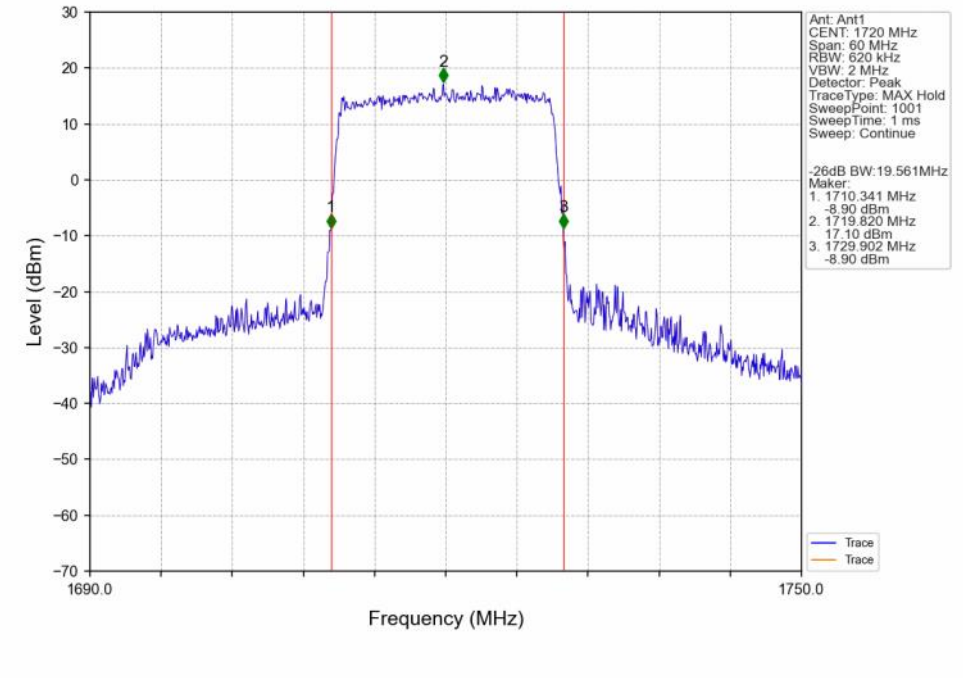

Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



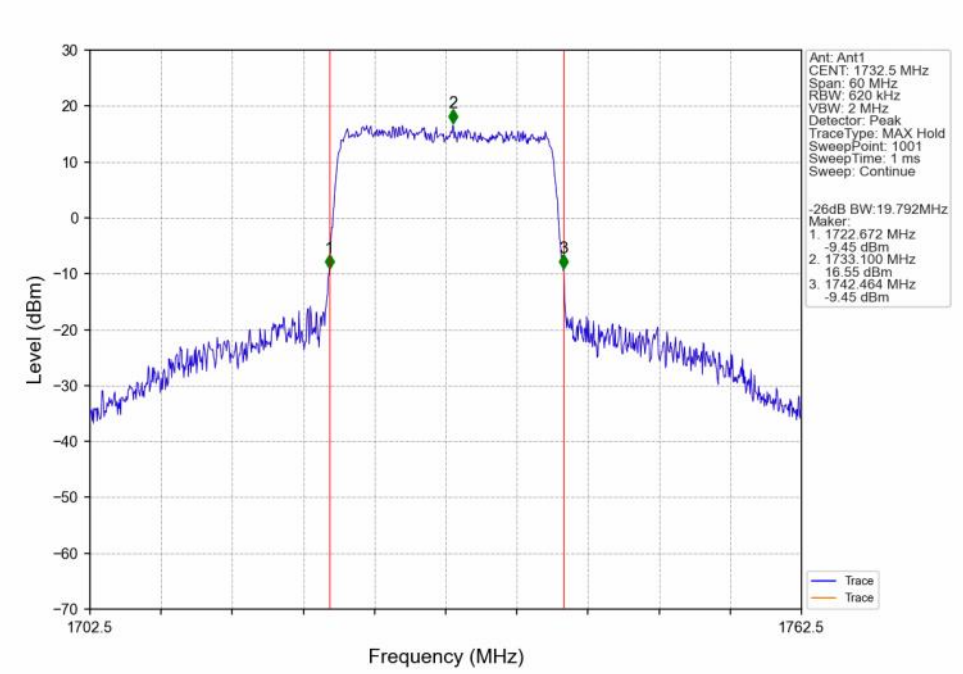
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



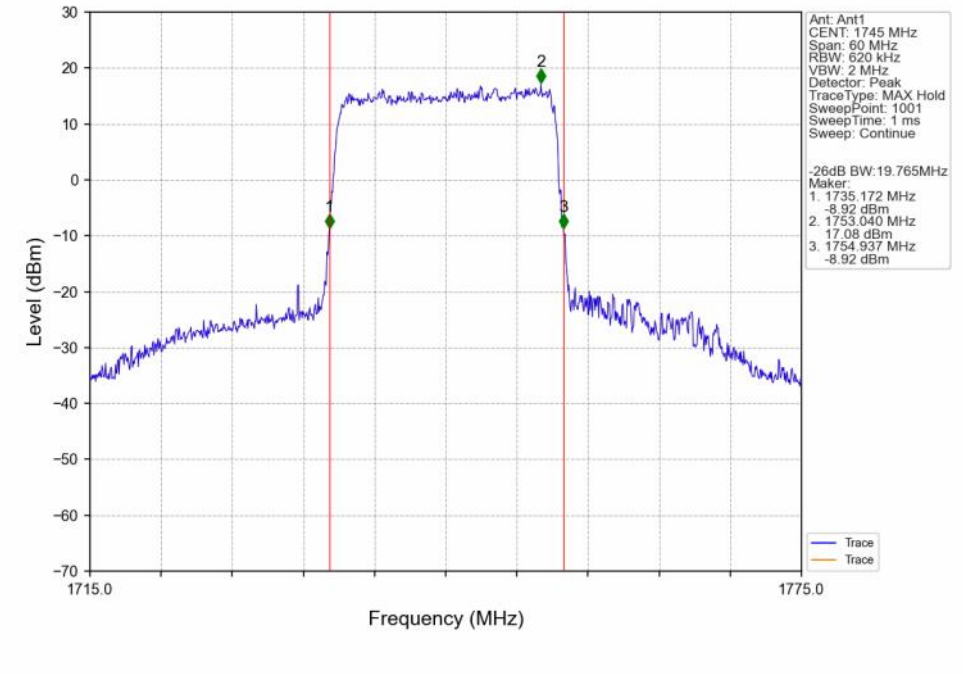

Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV




Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV



# 5. Peak-Average Ratio

## 5.1 Test Result

### 5.1.1 B4_1.4MHz

| Band: 4 / Bandwidth: 1.4MHz / NTNV | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Peak-Average Ratio (dB) | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 1710.7 | 6 | 0 | 5.46 | <=13 | Pass |
| | 1732.5 | 6 | 0 | 5.59 | <=13 | Pass |
| | 1754.3 | 6 | 0 | 5.49 | <=13 | Pass |
| 16QAM | 1710.7 | 6 | 0 | 6.13 | <=13 | Pass |
| | 1732.5 | 6 | 0 | 6.29 | <=13 | Pass |
| | 1754.3 | 6 | 0 | 6.25 | <=13 | Pass |

### 5.1.2 B4_3MHz

| Band: 4 / Bandwidth: 3MHz / NTNV | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Peak-Average Ratio (dB) | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 1711.5 | 15 | 0 | 5.55 | <=13 | Pass |
| | 1732.5 | 15 | 0 | 5.52 | <=13 | Pass |
| | 1753.5 | 15 | 0 | 5.51 | <=13 | Pass |
| 16QAM | 1711.5 | 15 | 0 | 6.31 | <=13 | Pass |
| | 1732.5 | 15 | 0 | 6.33 | <=13 | Pass |
| | 1753.5 | 15 | 0 | 6.29 | <=13 | Pass |

### 5.1.3 B4_5MHz

| Band: 4 / Bandwidth: 5MHz / NTNV | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Peak-Average Ratio (dB) | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 1712.5 | 25 | 0 | 5.61 | <=13 | Pass |
| | 1732.5 | 25 | 0 | 5.62 | <=13 | Pass |
| | 1752.5 | 25 | 0 | 5.57 | <=13 | Pass |
| 16QAM | 1712.5 | 25 | 0 | 6.28 | <=13 | Pass |
| | 1732.5 | 25 | 0 | 6.29 | <=13 | Pass |
| | 1752.5 | 25 | 0 | 6.23 | <=13 | Pass |

### 5.1.4 B4_10MHz

| Band: 4 / Bandwidth: 10MHz / NTNV | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Peak-Average Ratio (dB) | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 1715 | 50 | 0 | 5.52 | <=13 | Pass |
| | 1732.5 | 50 | 0 | 5.55 | <=13 | Pass |
| | 1750 | 50 | 0 | 5.52 | <=13 | Pass |
| 16QAM | 1715 | 50 | 0 | 6.26 | <=13 | Pass |
| | 1732.5 | 50 | 0 | 6.28 | <=13 | Pass |

| | | | | | | |
|---|---|---|---|---|---|---|
| | 1750 | 50 | 0 | 6.22 | <=13 | Pass |

### 5.1.5 B4_15MHz

| Band: 4 / Bandwidth: 15MHz / NTNV | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Peak-Average Ratio (dB) | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 1717.5 | 75 | 0 | 5.74 | <=13 | Pass |
| | 1732.5 | 75 | 0 | 5.80 | <=13 | Pass |
| | 1747.5 | 75 | 0 | 5.78 | <=13 | Pass |
| 16QAM | 1717.5 | 75 | 0 | 6.22 | <=13 | Pass |
| | 1732.5 | 75 | 0 | 6.31 | <=13 | Pass |
| | 1747.5 | 75 | 0 | 6.30 | <=13 | Pass |

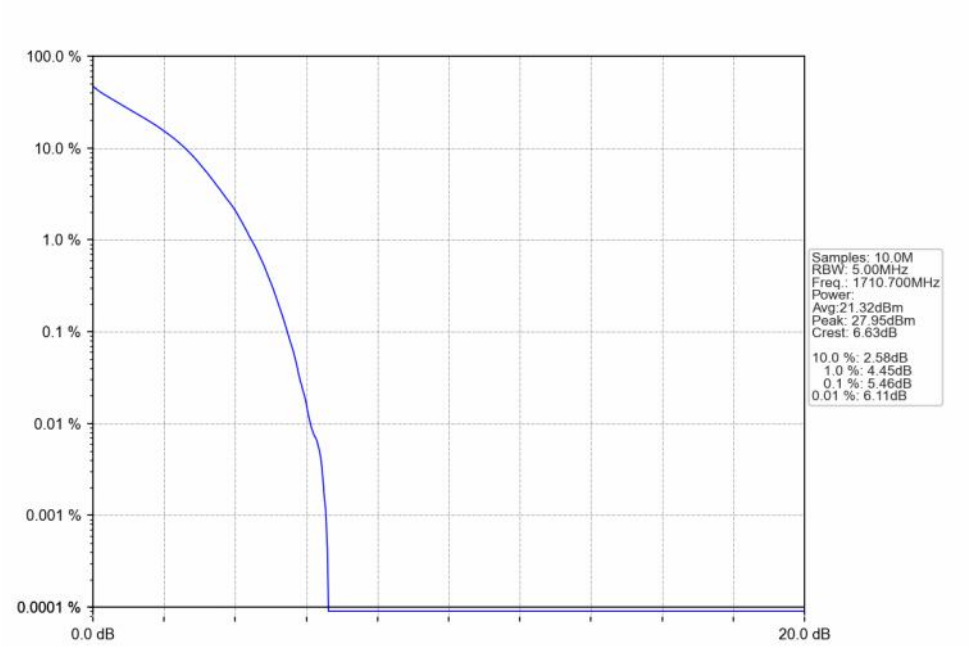
### 5.1.6 B4_20MHz

| Band: 4 / Bandwidth: 20MHz / NTNV | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Peak-Average Ratio (dB) | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 1720 | 100 | 0 | 5.45 | <=13 | Pass |
| | 1732.5 | 100 | 0 | 5.53 | <=13 | Pass |
| | 1745 | 100 | 0 | 5.53 | <=13 | Pass |
| 16QAM | 1720 | 100 | 0 | 6.15 | <=13 | Pass |
| | 1732.5 | 100 | 0 | 6.26 | <=13 | Pass |
| | 1745 | 100 | 0 | 6.26 | <=13 | Pass |

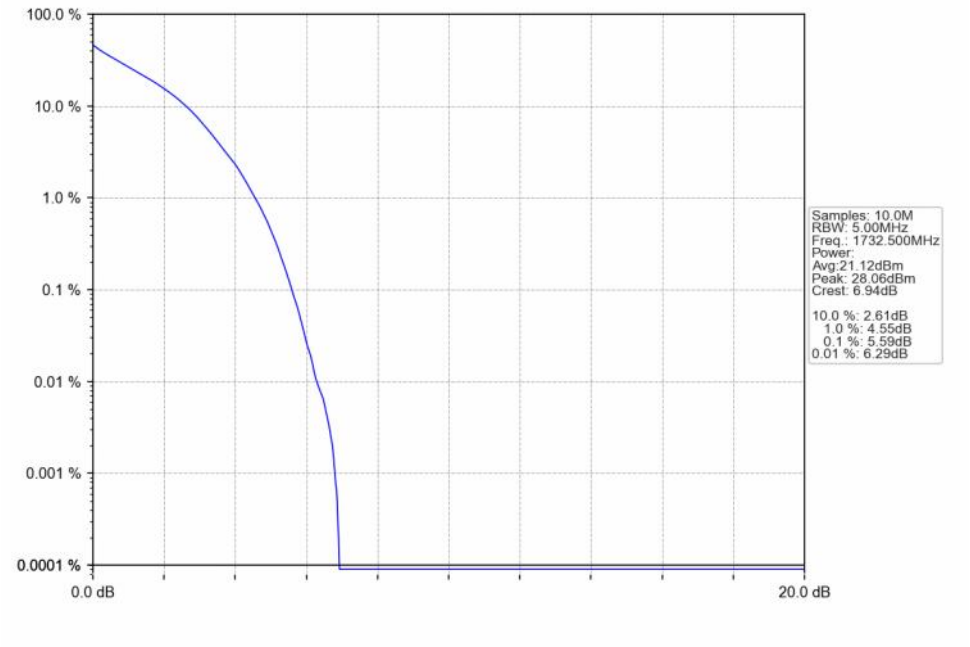
## 5.2 Test Graph

### 5.2.1 B4_1.4MHz

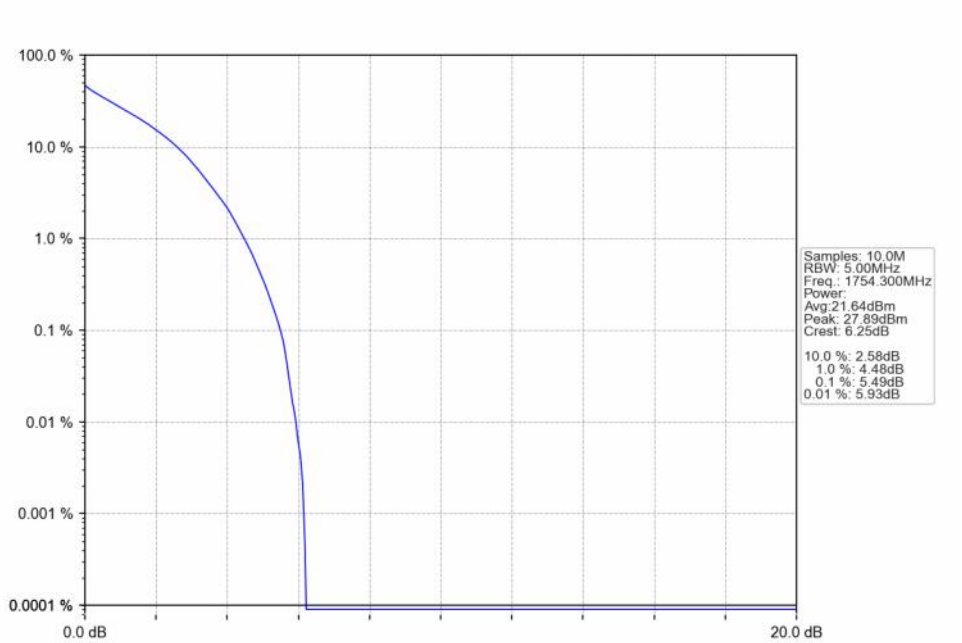
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



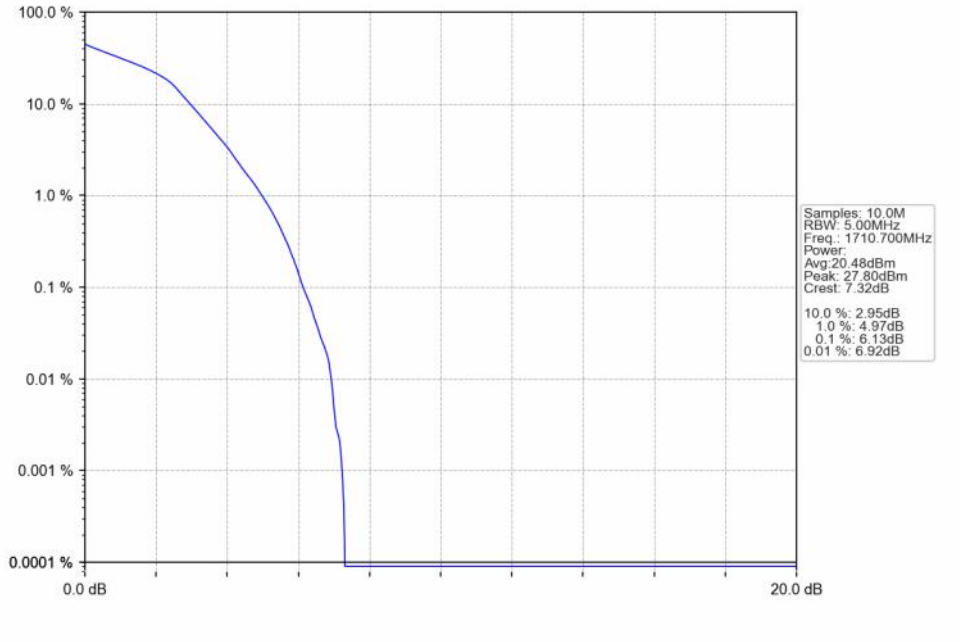

Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV



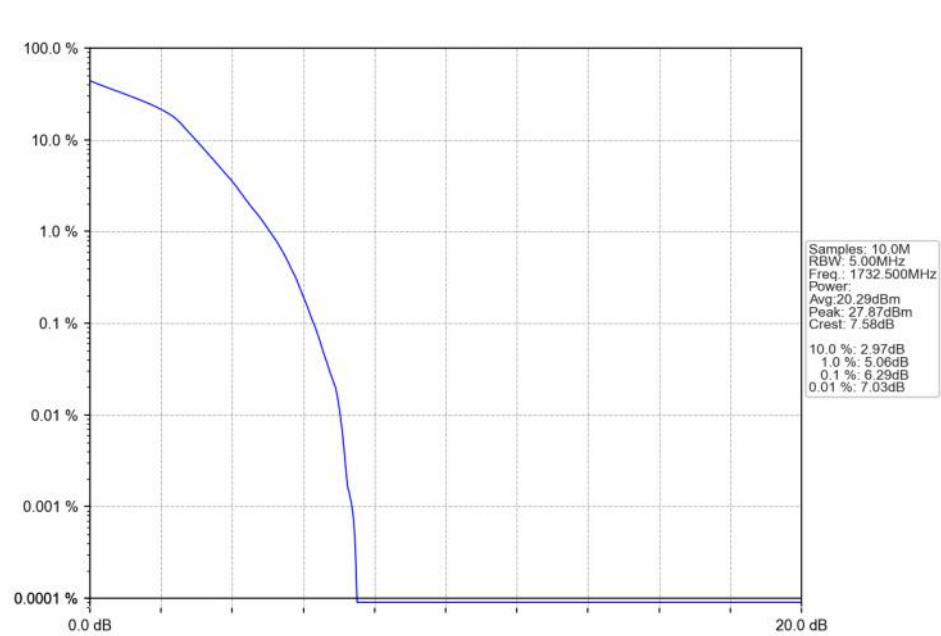
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



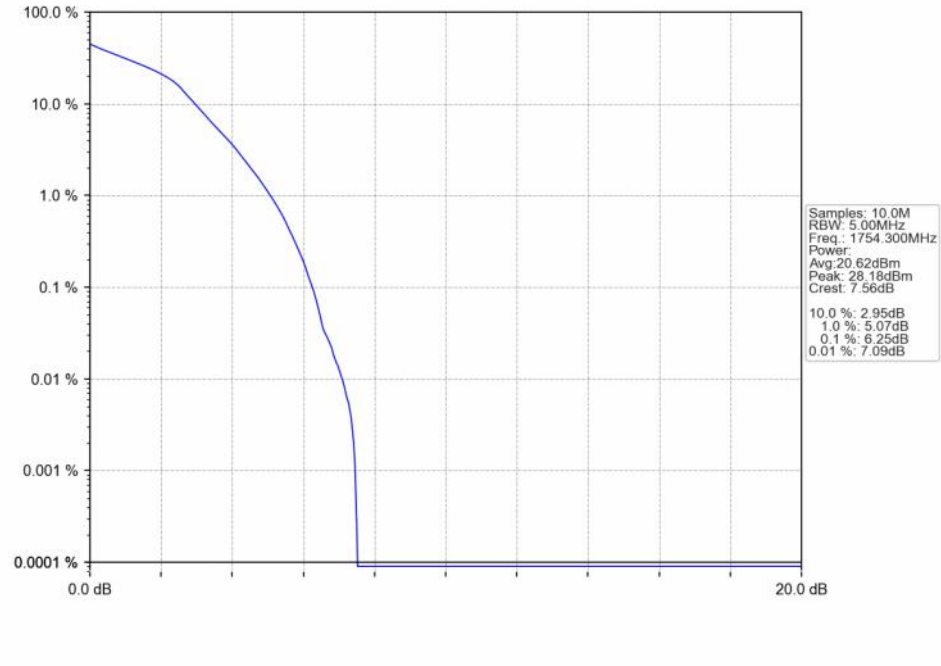

Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



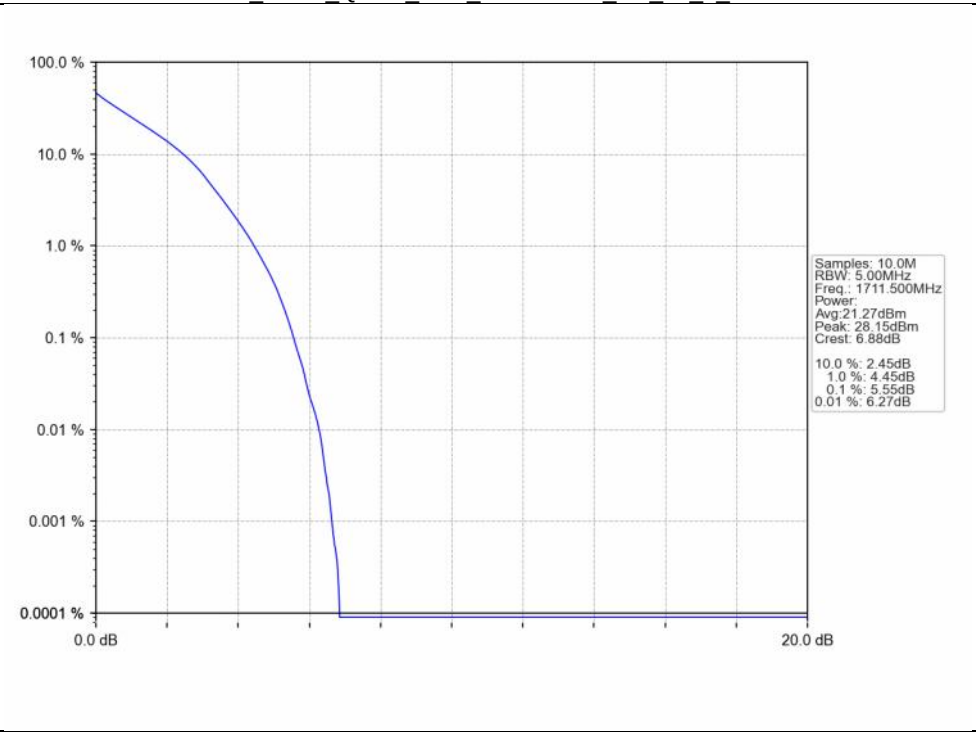
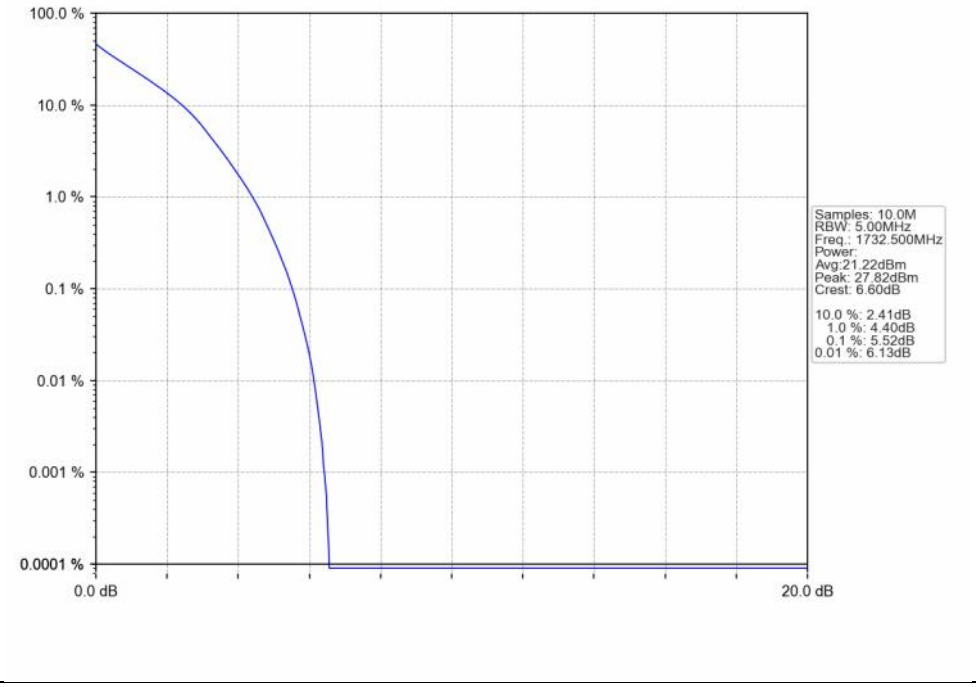
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



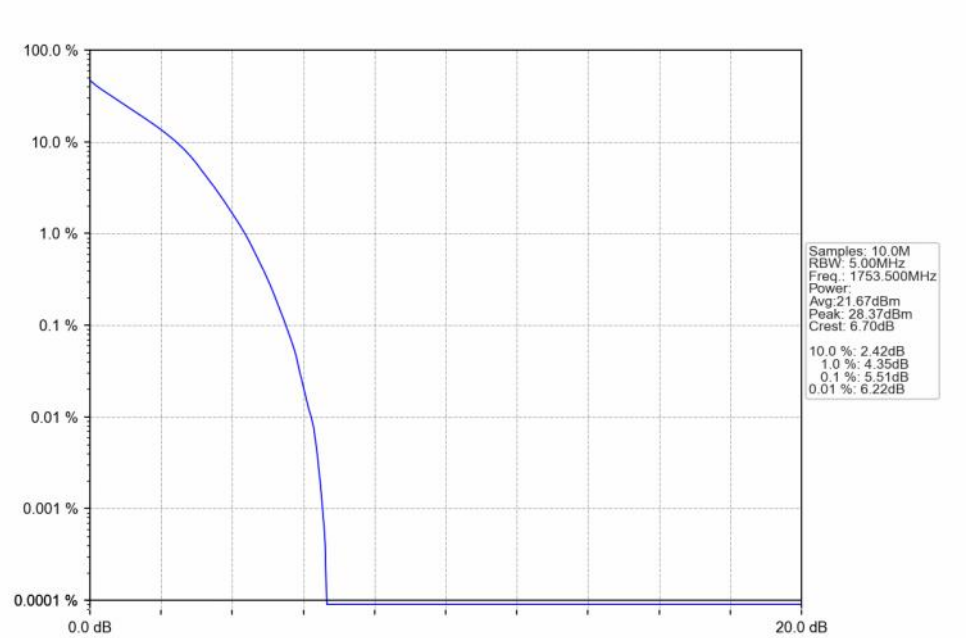

Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



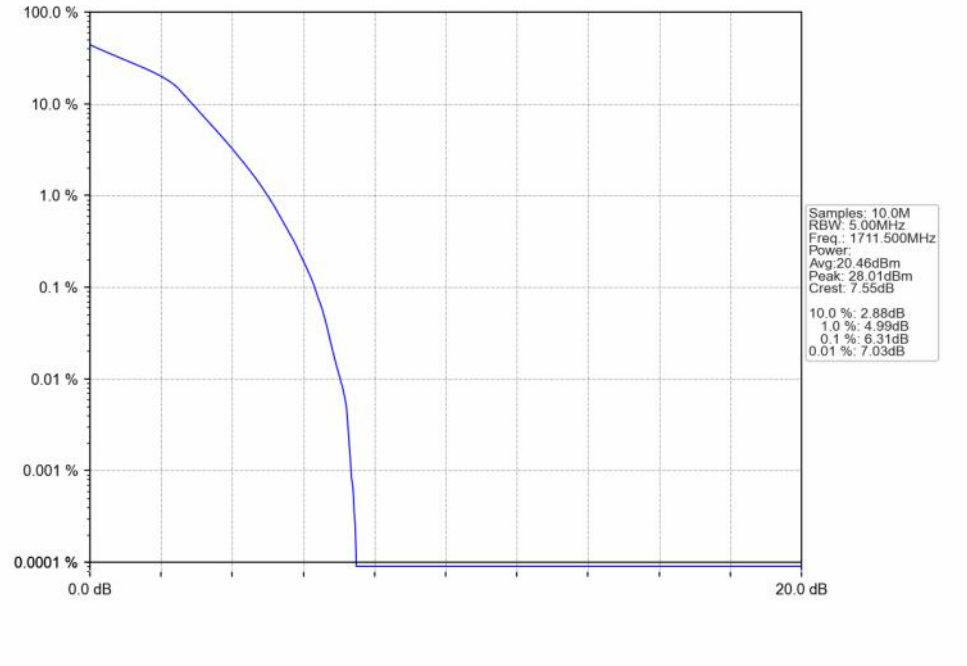
## 5.2.2 B4_3MHz

| Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV |
| --- |
|  |
| Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV |
|  |

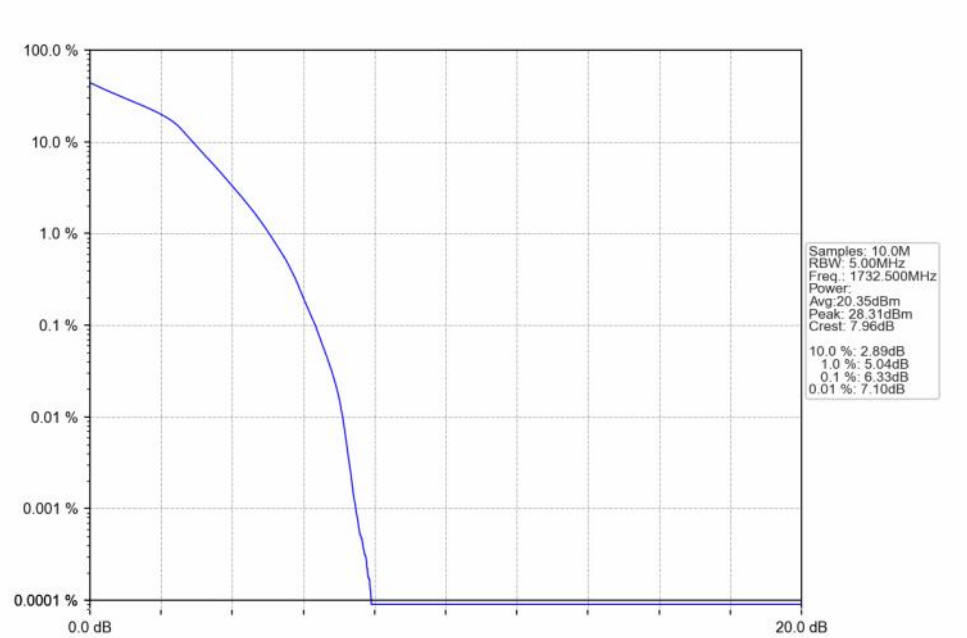
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



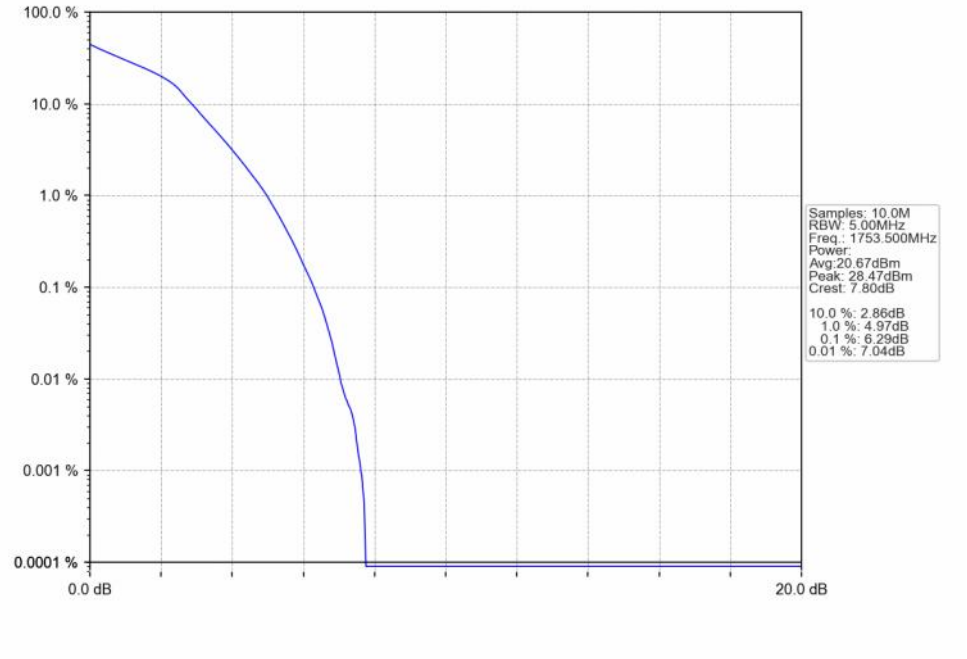

Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



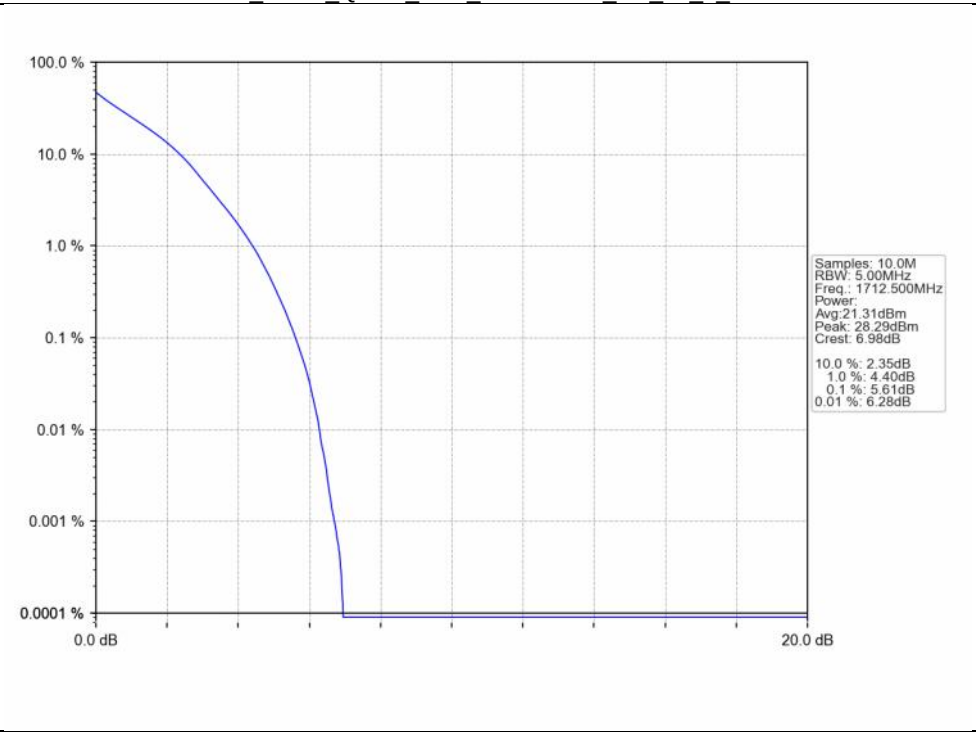
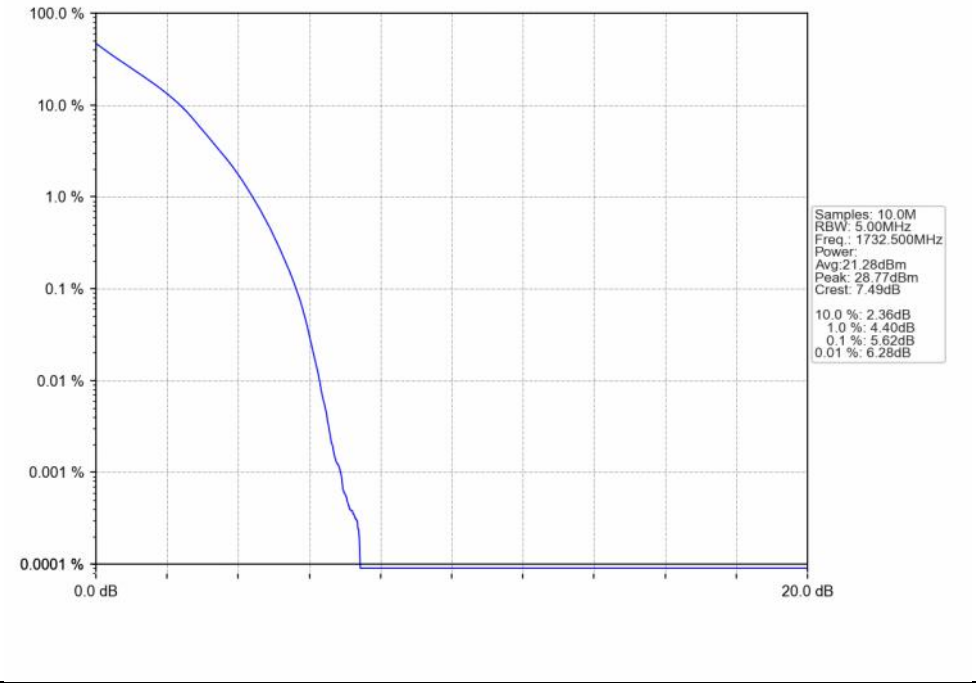
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



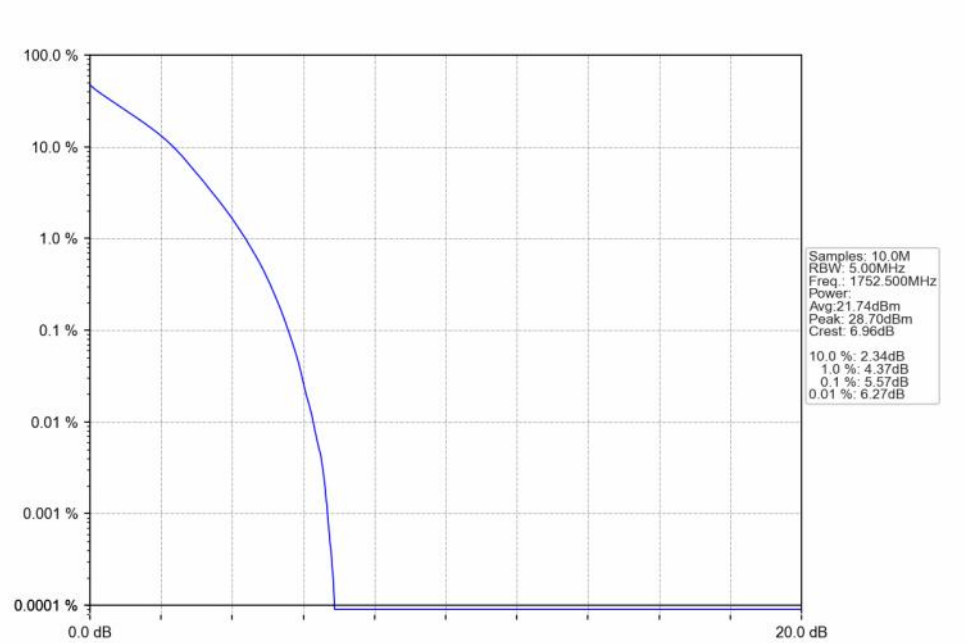

Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



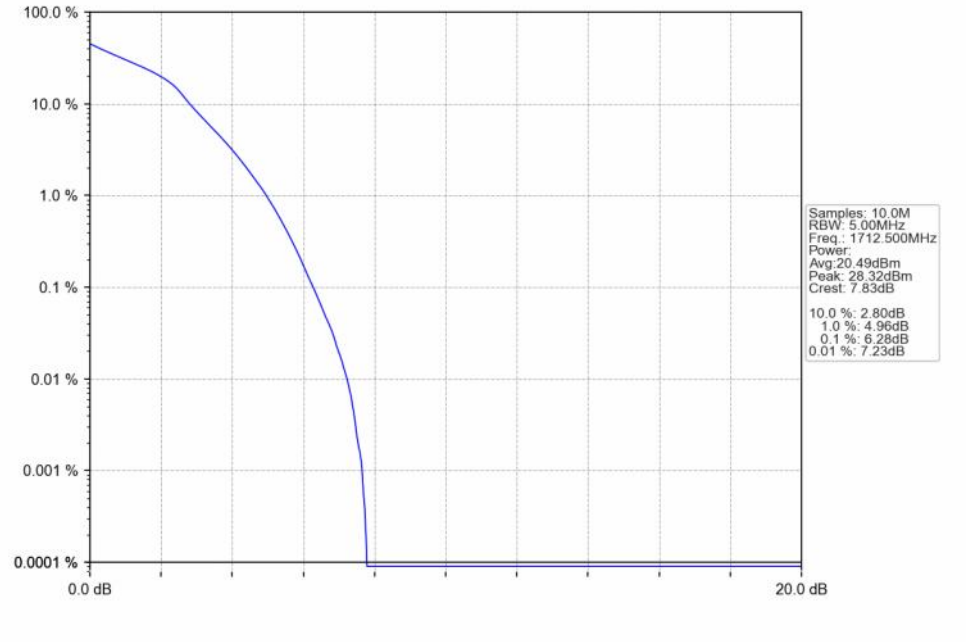
## 5.2.3 B4_5MHz

| Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV |
| --- |
|  |
| Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV |
|  |

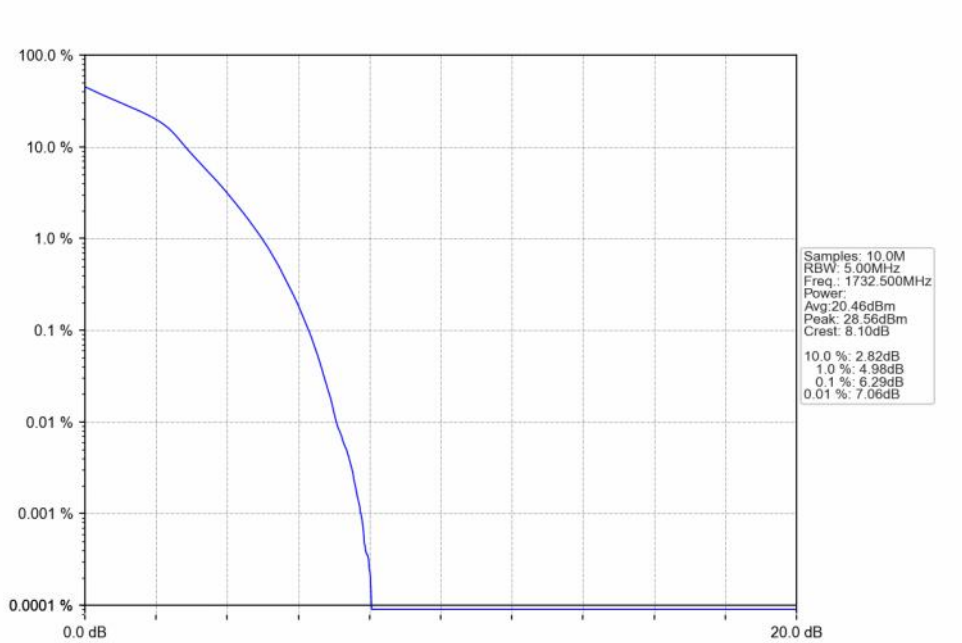
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



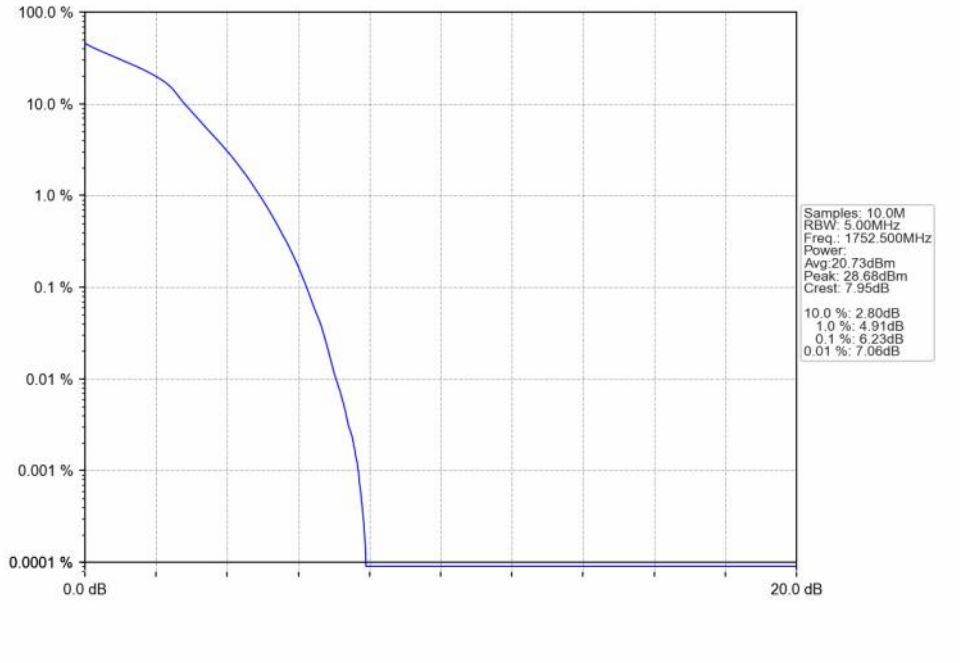

Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



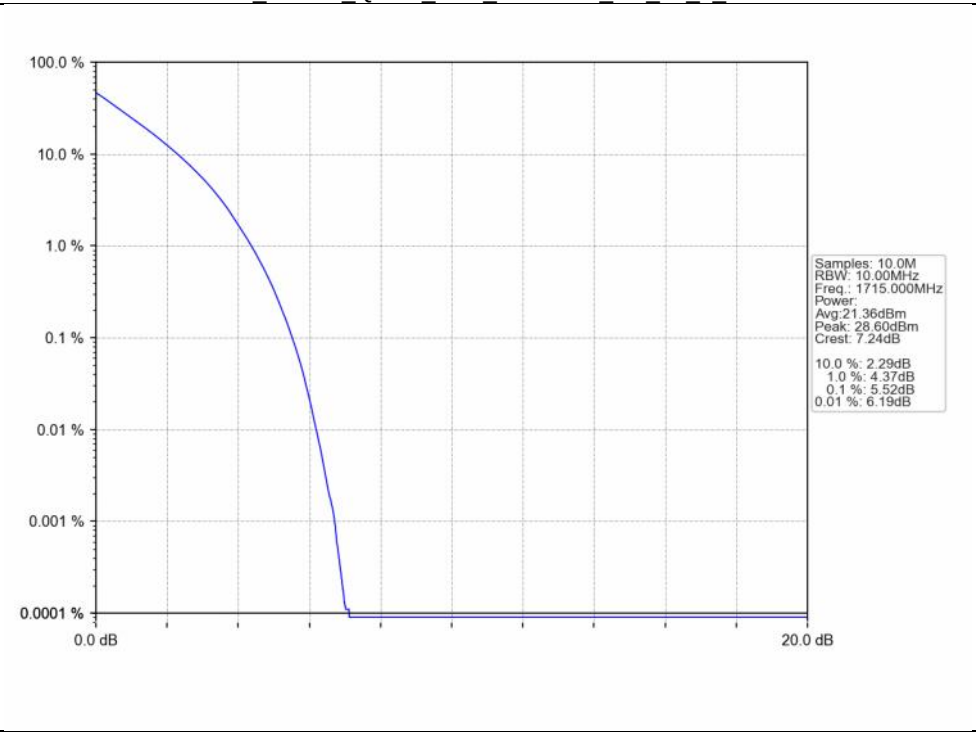
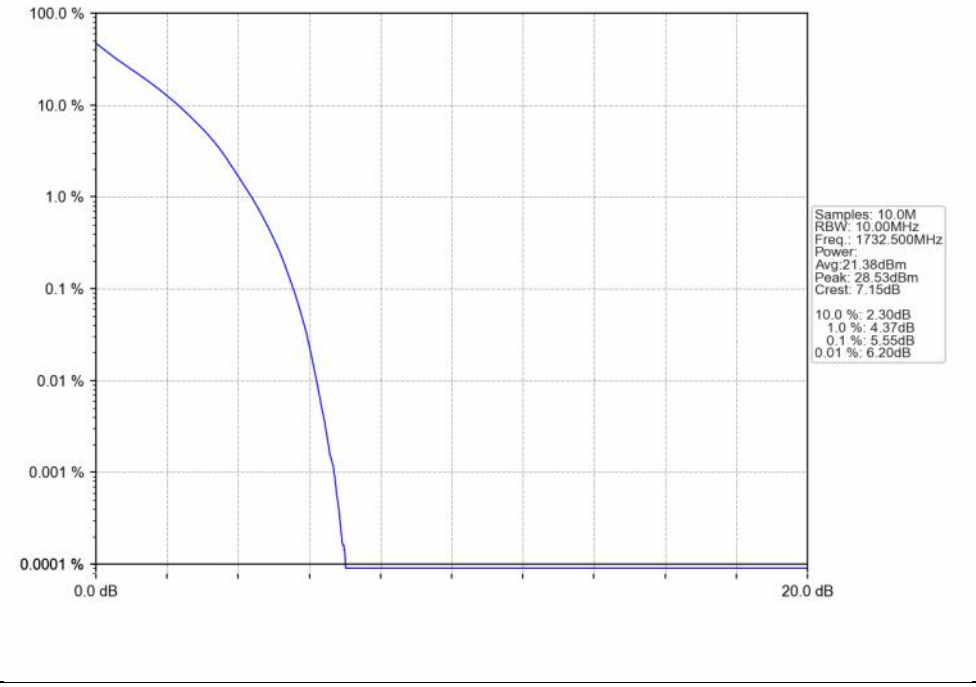
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



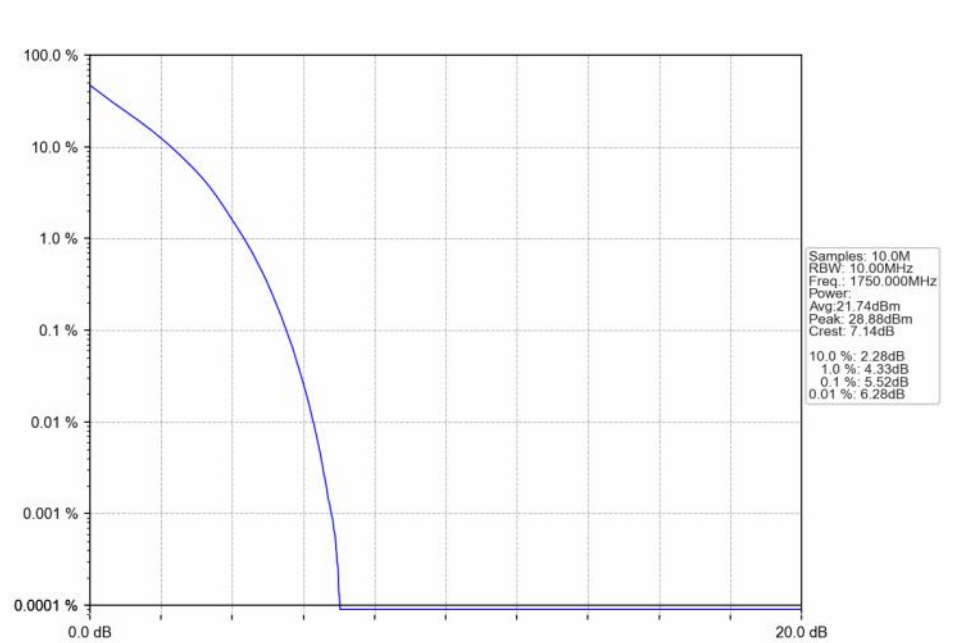

Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



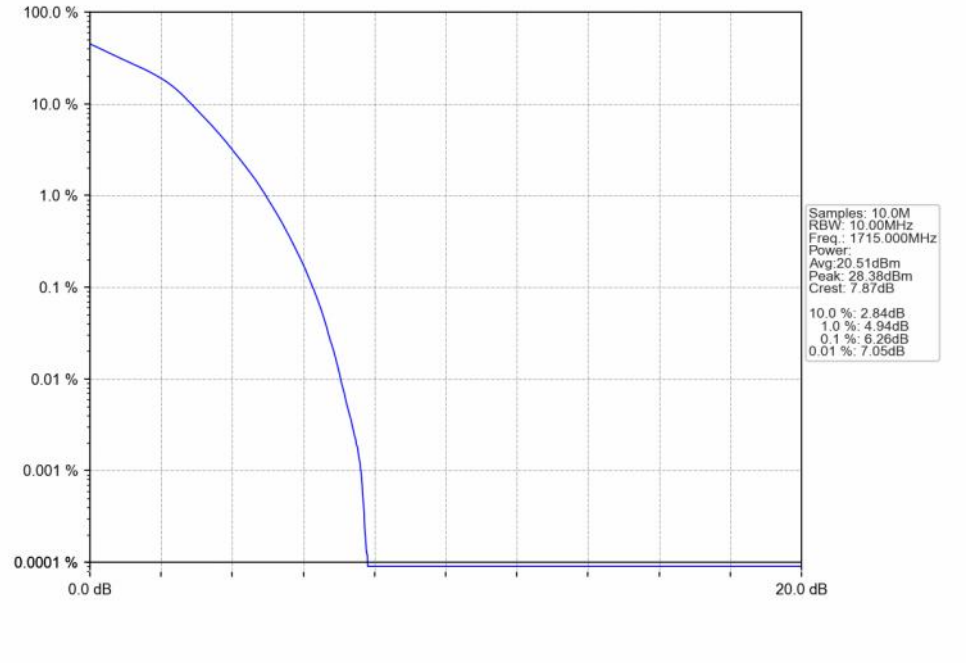
## 5.2.4 B4_10MHz

| Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV |
| --- |
|  |
| Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV |
|  |

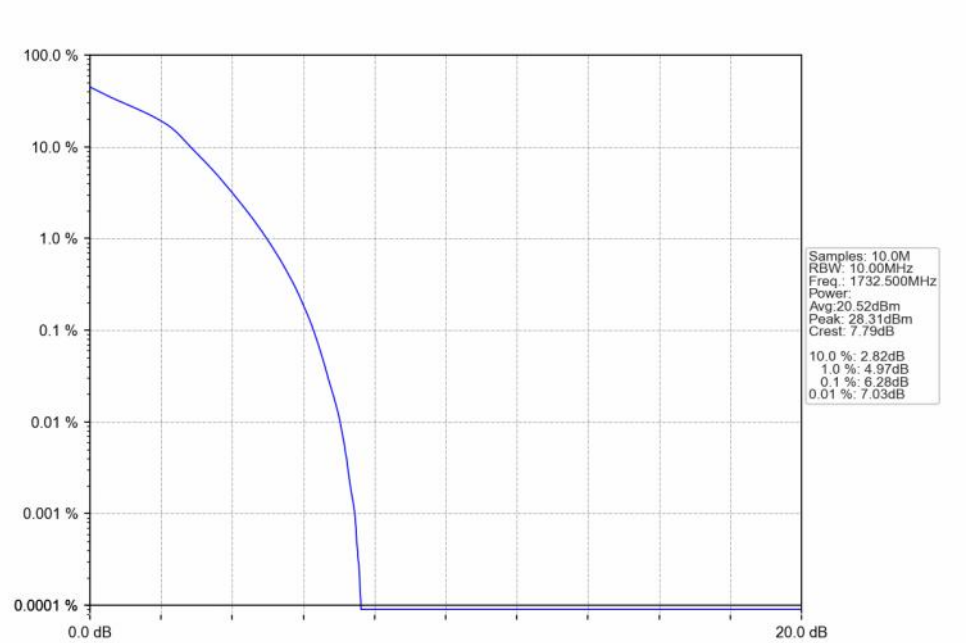
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



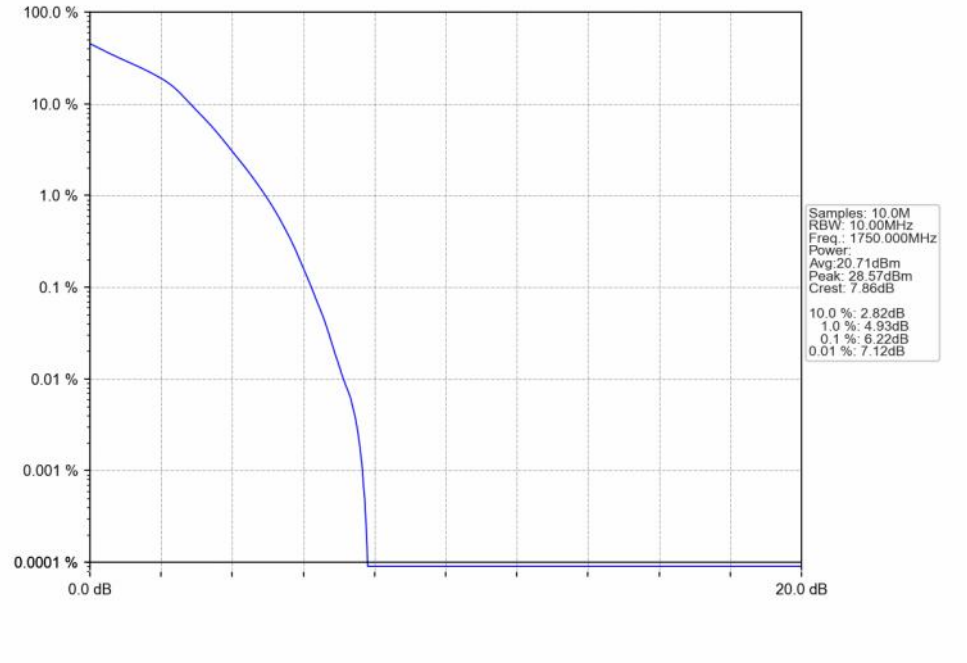

Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



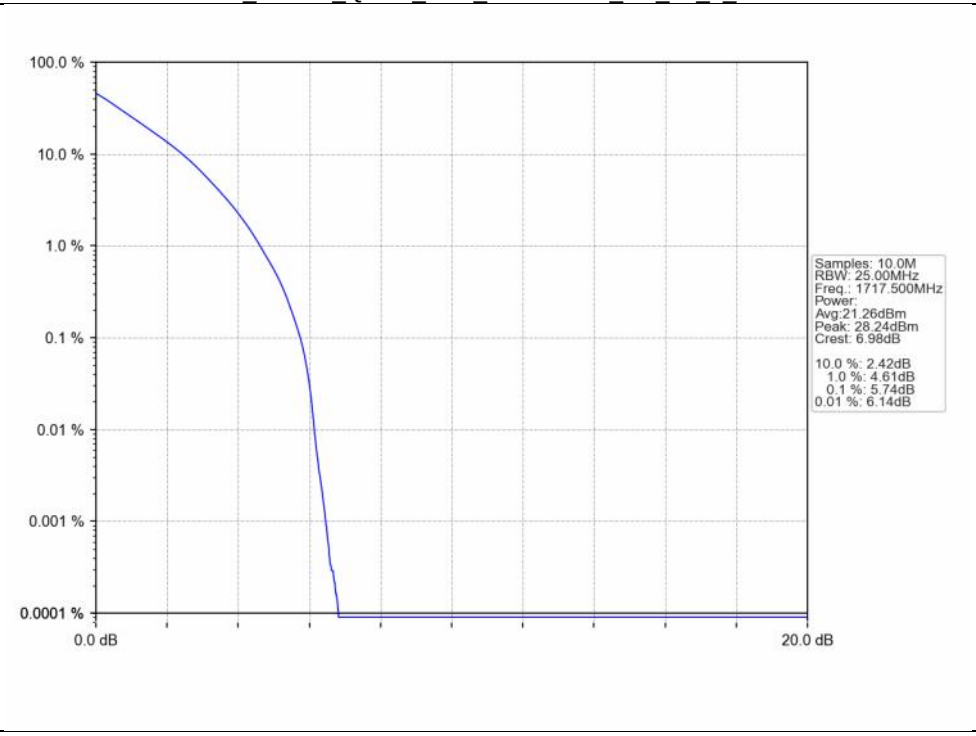
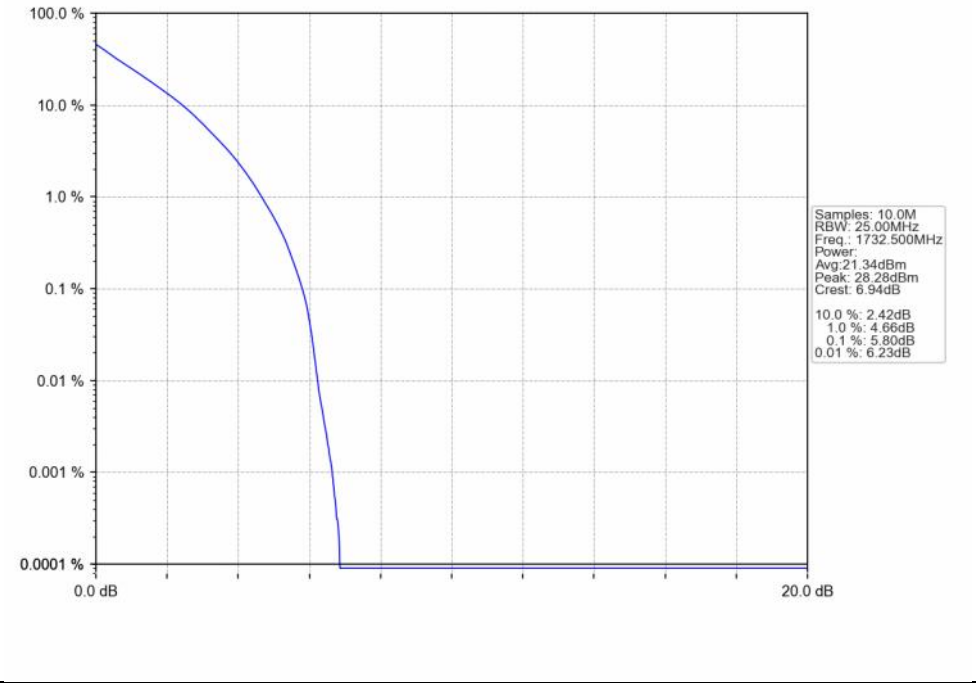
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



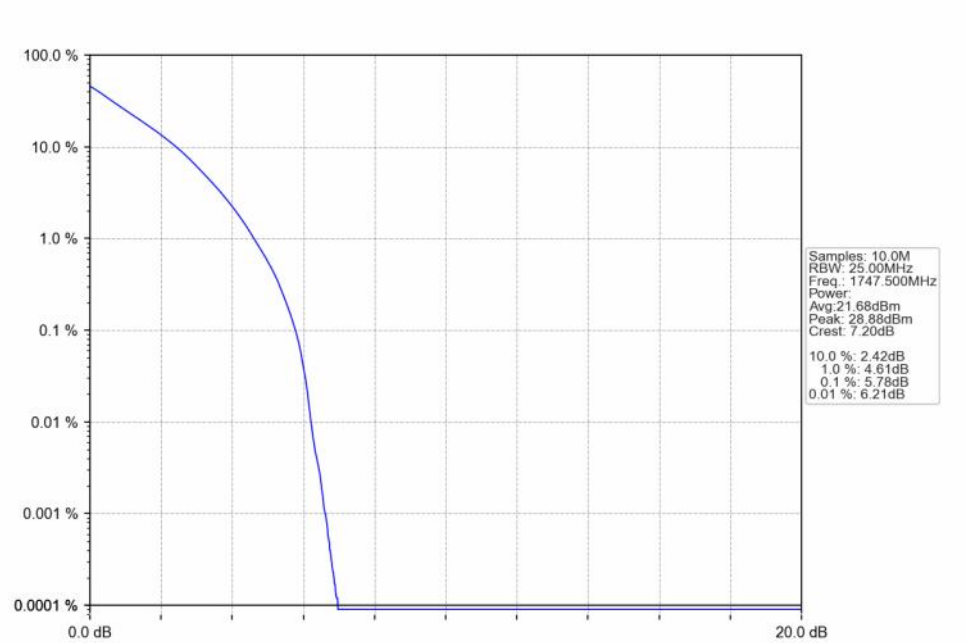

Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



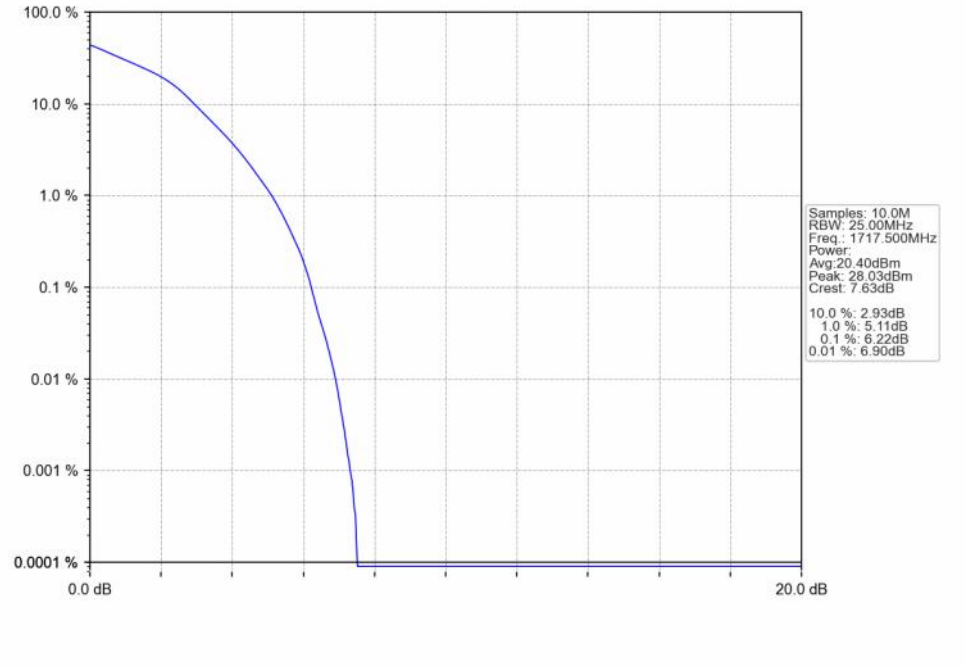
## 5.2.5 B4_15MHz

| Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV |
| --- |
|  |
| Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV |
|  |

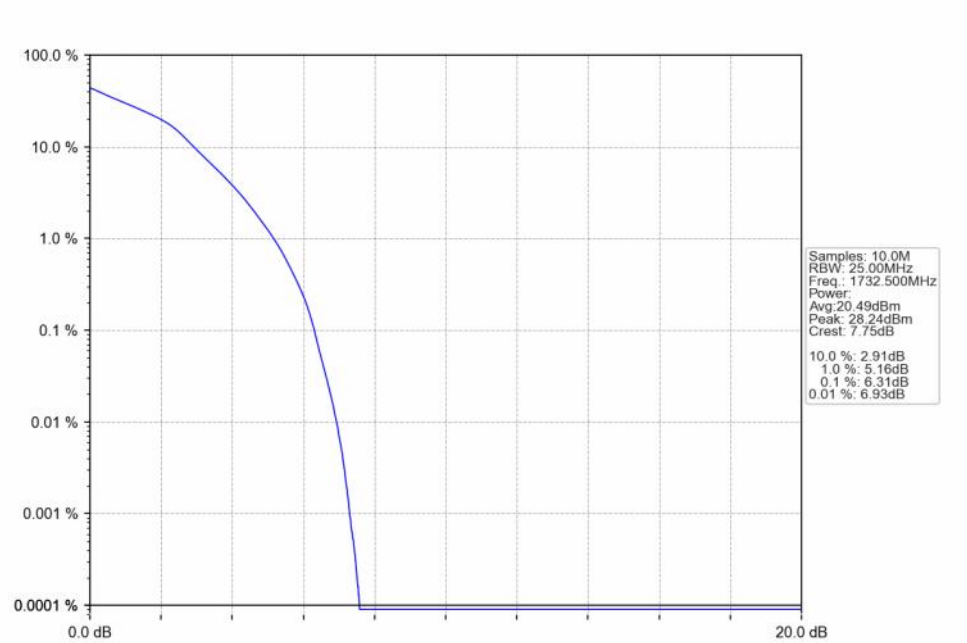
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



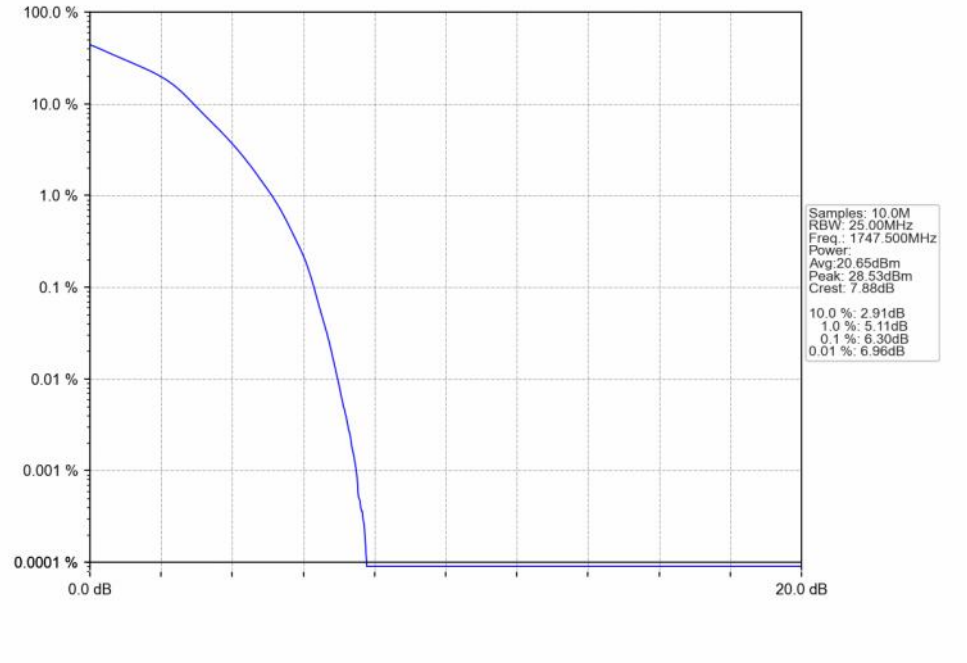

Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



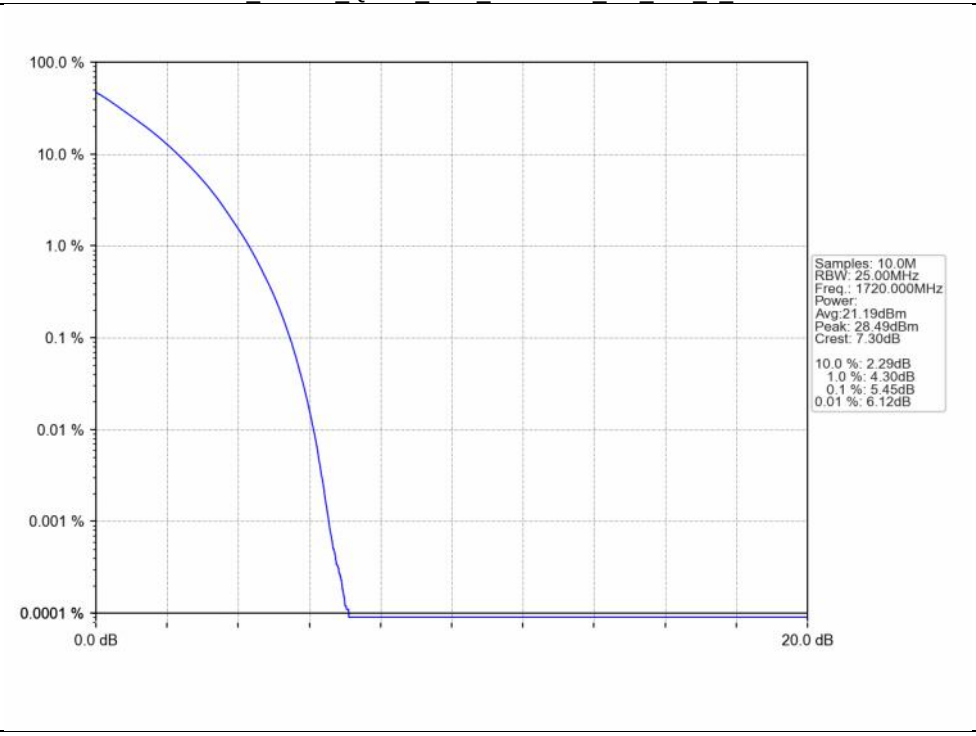
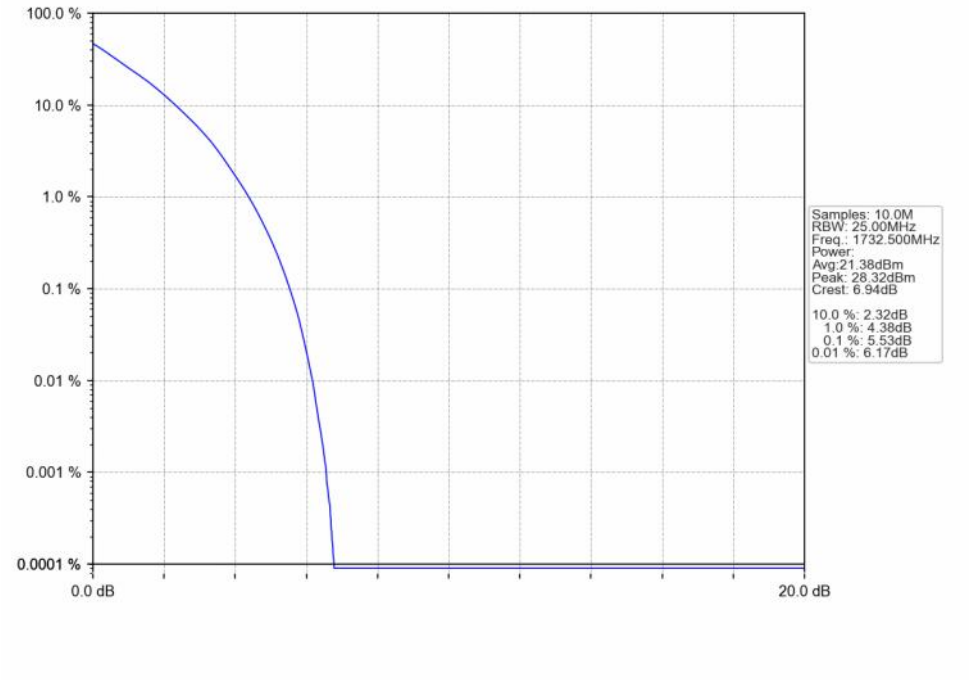
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



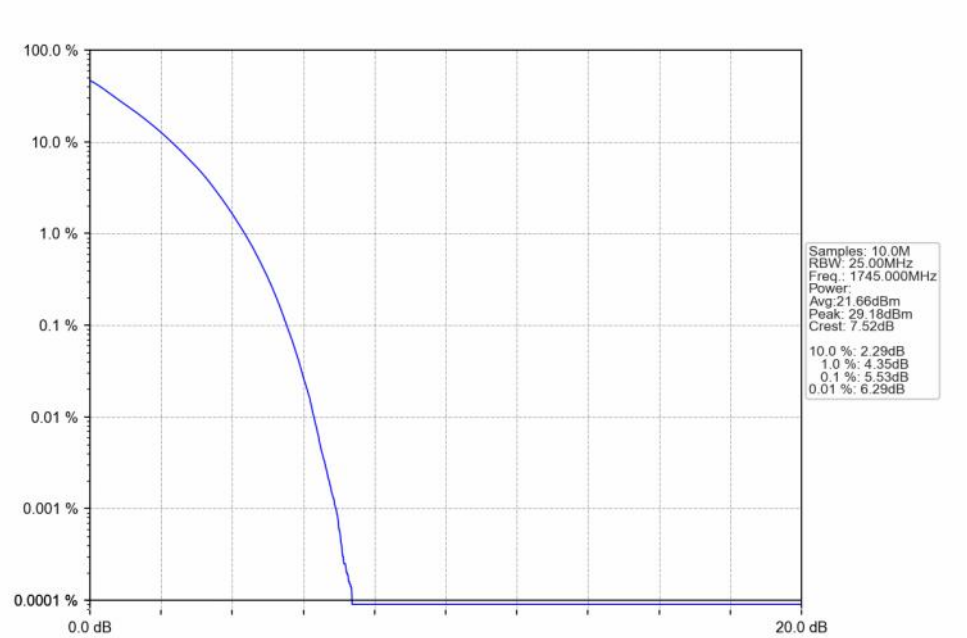

Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV



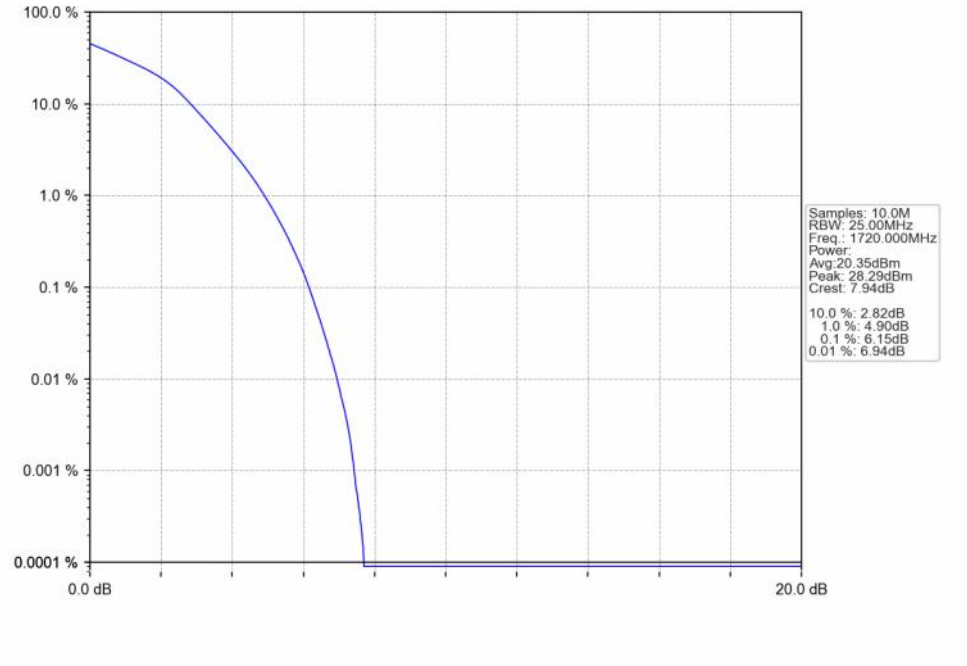
## 5.2.6 B4_20MHz

| Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV |
| --- |
|  |
| Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV |
|  |

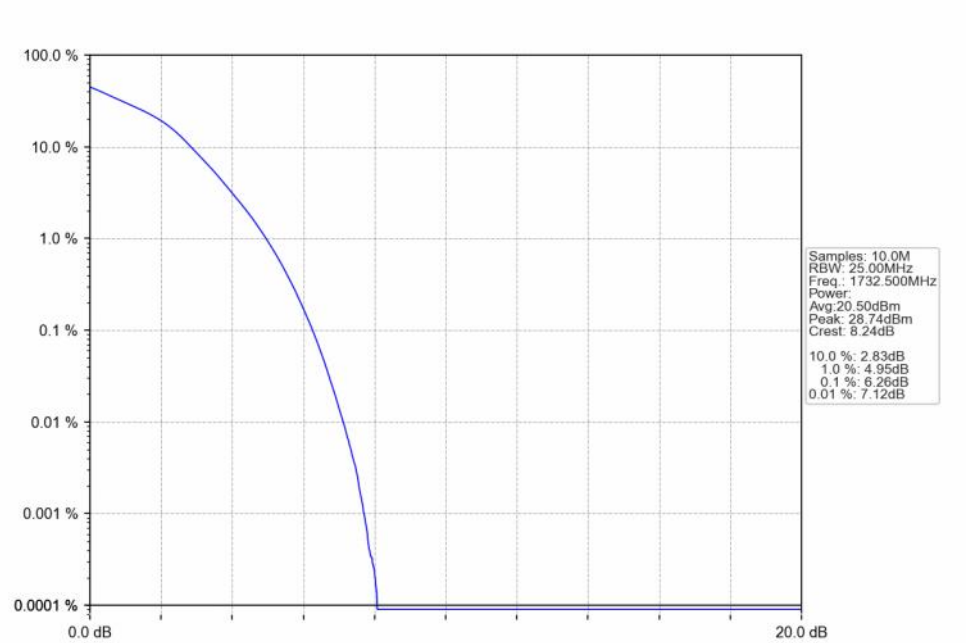
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



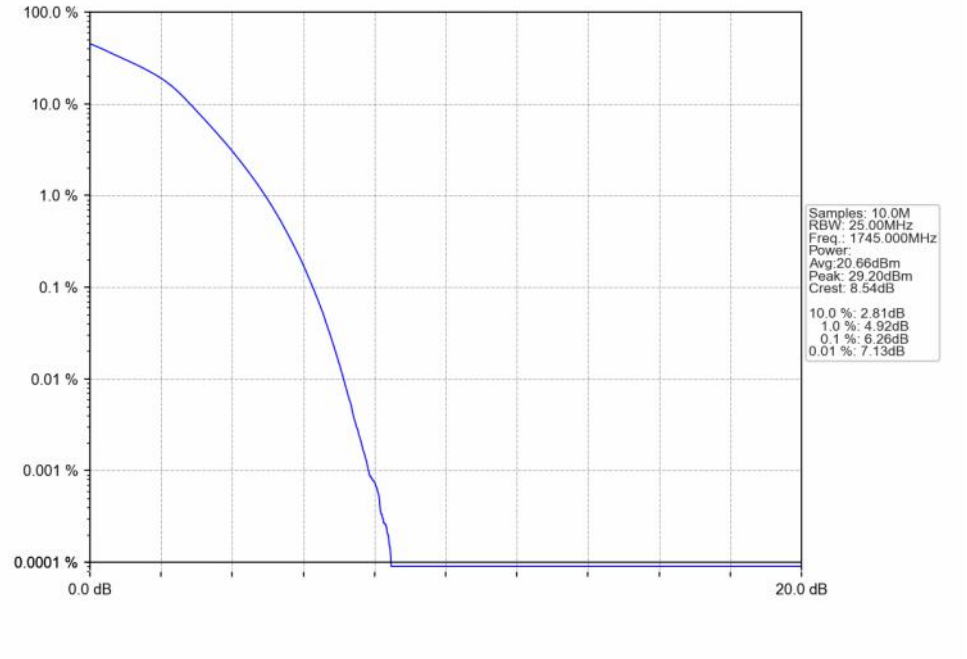

Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV




Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV



# 6. Spurious Emission

## 6.1 Test Result

### 6.1.1 B4_1.4MHz

| Band: 4 / 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 |
| | 1732.5 | 1 | 0 | Refer To Test Graph | | Pass |
| | 1754.3 | 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 |
| | 1732.5 | 1 | 0 | Refer To Test Graph | | Pass |
| | 1754.3 | 1 | 0 | Refer To Test Graph | | Pass |
| | | | 5 | Refer To Test Graph | | Pass |
| | | 6 | 0 | Refer To Test Graph | | Pass |

### 6.1.2 B4_3MHz

| Band: 4 / 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 |
| | 1732.5 | 1 | 0 | Refer To Test Graph | | Pass |
| | 1753.5 | 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 |
| | 1732.5 | 1 | 0 | Refer To Test Graph | | Pass |
| | 1753.5 | 1 | 0 | Refer To Test Graph | | Pass |
| | | | 14 | Refer To Test Graph | | Pass |
| | | 15 | 0 | Refer To Test Graph | | Pass |

### 6.1.3 B4_5MHz

| Band: 4 / 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 |
| | 1732.5 | 1 | 0 | Refer To Test Graph | | Pass |
| | 1752.5 | 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 |
| | 1732.5 | 1 | 0 | Refer To Test Graph | Pass |
| | 1752.5 | 1 | 0 | Refer To Test Graph | Pass |
| | | | 24 | Refer To Test Graph | Pass |
| | | 25 | 0 | Refer To Test Graph | Pass |

### 6.1.4 B4_10MHz

| Band: 4 / 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 |
| | 1732.5 | 1 | 0 | Refer To Test Graph | | Pass |
| | 1750 | 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 |
| | 1732.5 | 1 | 0 | Refer To Test Graph | | Pass |
| | 1750 | 1 | 0 | Refer To Test Graph | | Pass |
| | | | 49 | Refer To Test Graph | | Pass |
| | | 50 | 0 | Refer To Test Graph | | Pass |

### 6.1.5 B4_15MHz

| Band: 4 / 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 |
| | 1732.5 | 1 | 0 | Refer To Test Graph | | Pass |
| | 1747.5 | 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 |
| | 1732.5 | 1 | 0 | Refer To Test Graph | | Pass |
| | 1747.5 | 1 | 0 | Refer To Test Graph | | Pass |
| | | | 74 | Refer To Test Graph | | Pass |
| | | 75 | 0 | Refer To Test Graph | | Pass |

### 6.1.6 B4_20MHz

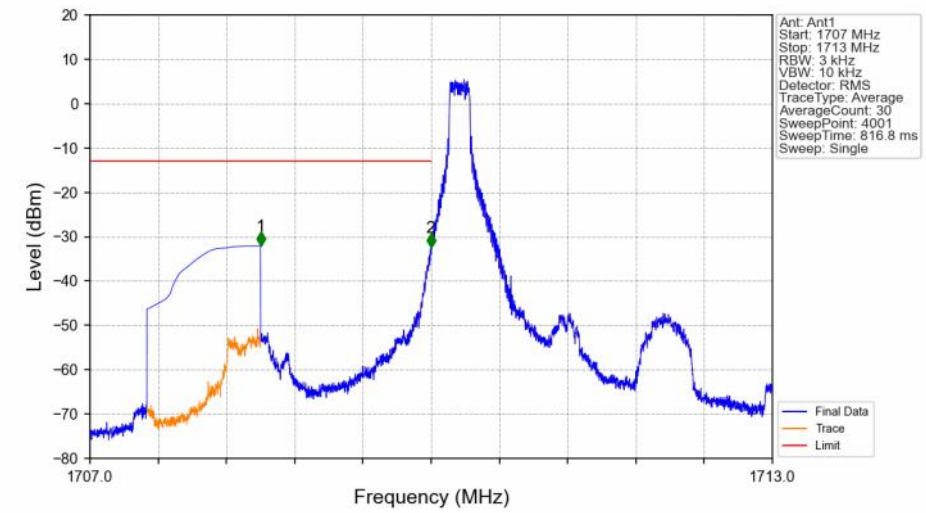
| Band: 4 / Bandwidth: 20MHz / NTNV | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Spurious Emission | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 1720 | 1 | 0 | Refer To Test Graph | | Pass |
| | | 100 | 0 | Refer To Test Graph | | Pass |
| | 1732.5 | 1 | 0 | Refer To Test Graph | | Pass |
| | 1745 | 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 |
| | 1732.5 | 1 | 0 | Refer To Test Graph | Pass |
| | 1745 | 1 | 0 | Refer To Test Graph | Pass |
| | | | 99 | Refer To Test Graph | Pass |
| | | 100 | 0 | Refer To Test Graph | Pass |

## 6.2 Test Graph

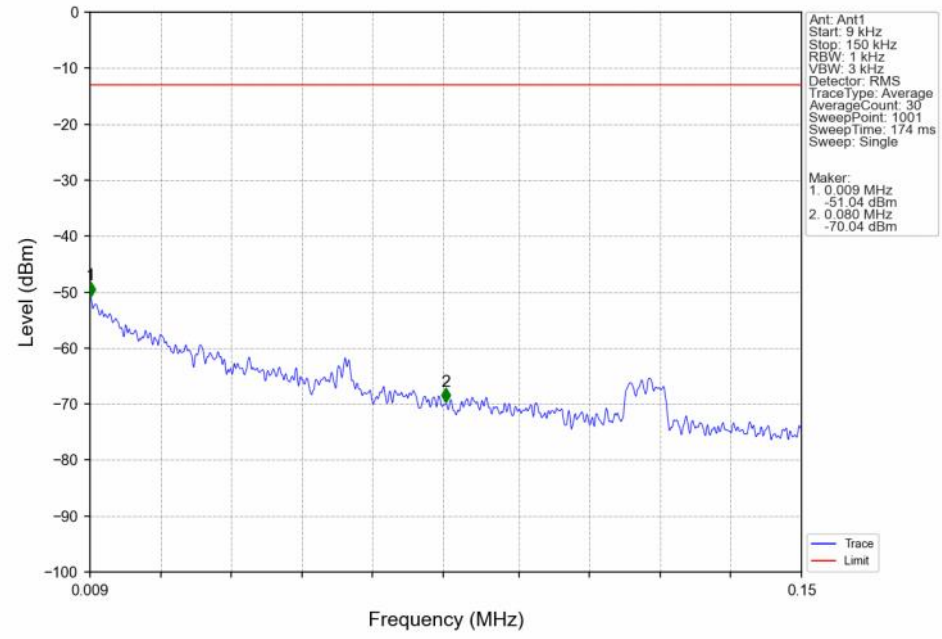
### 6.2.1 B4_1.4MHz

Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV

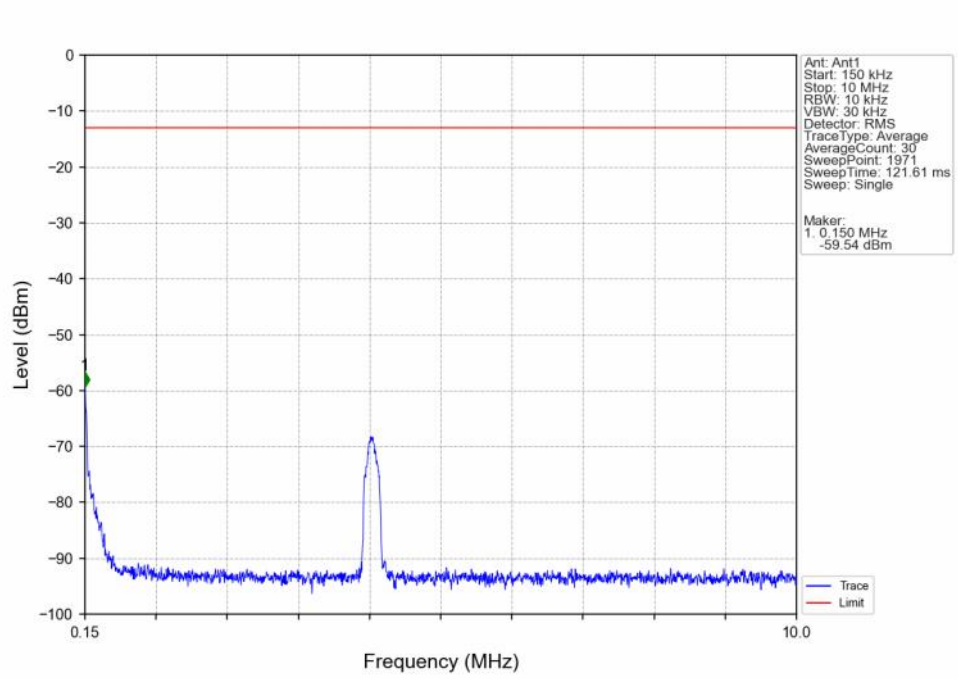



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 1707 | 1709 | 1 | CHP | 1 | 1708.500 | -32.12 | -13 | Pass |
| 1709 | 1710 | 0.003 | / | 2 | 1709.997 | -32.46 | -13 | Pass |
| 1710 | 1713 | 0.003 | / | / | / | / | / | / |

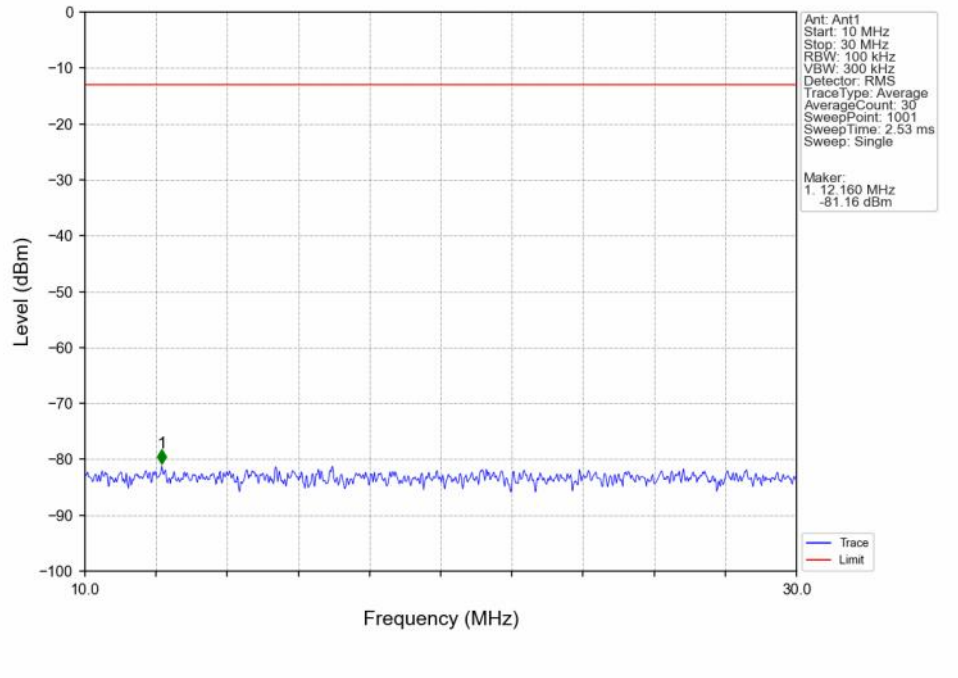
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV



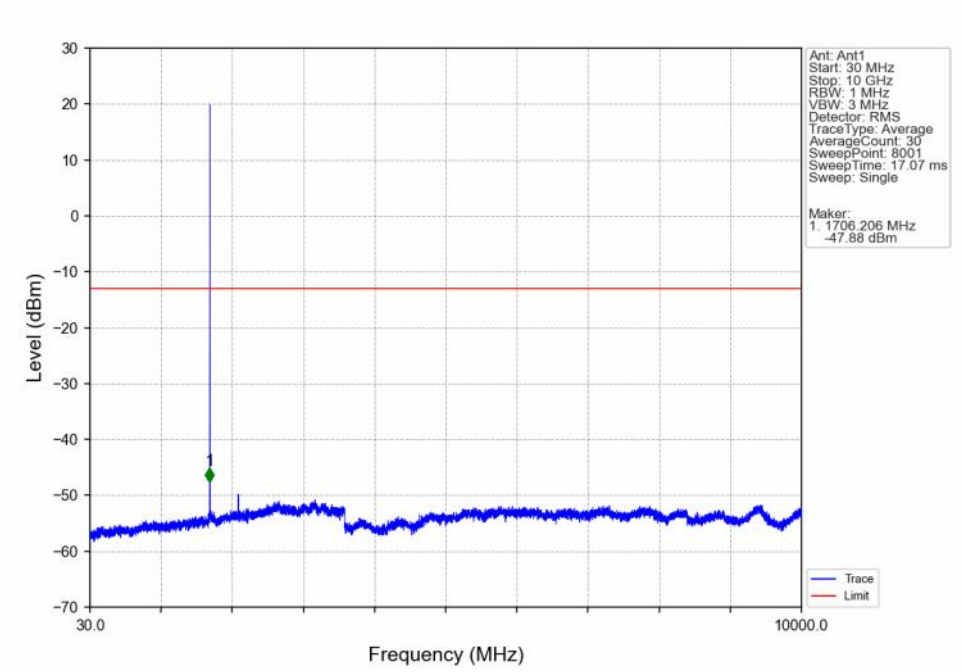
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV



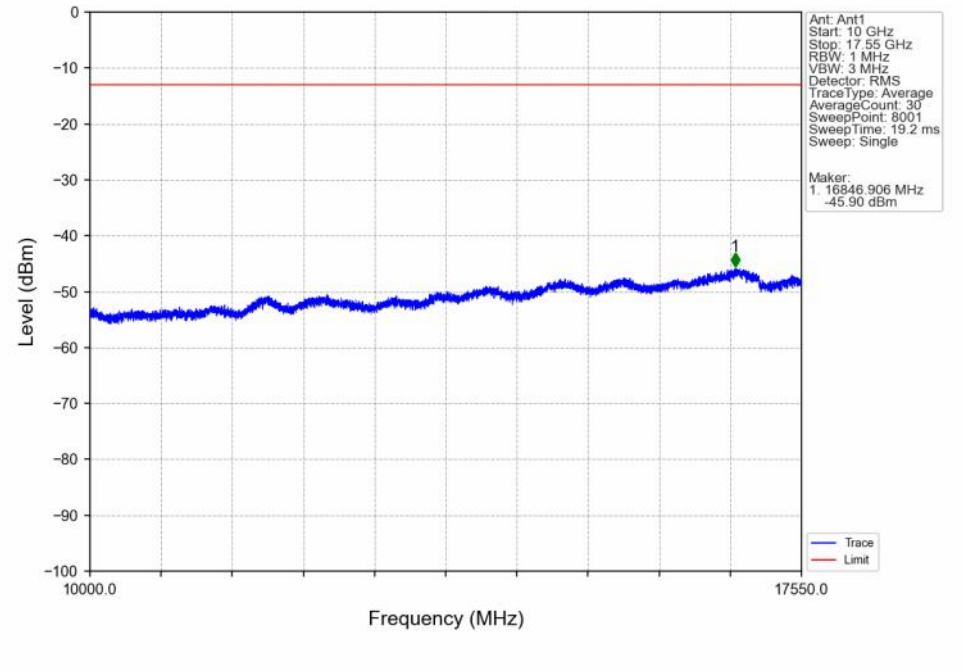

Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV



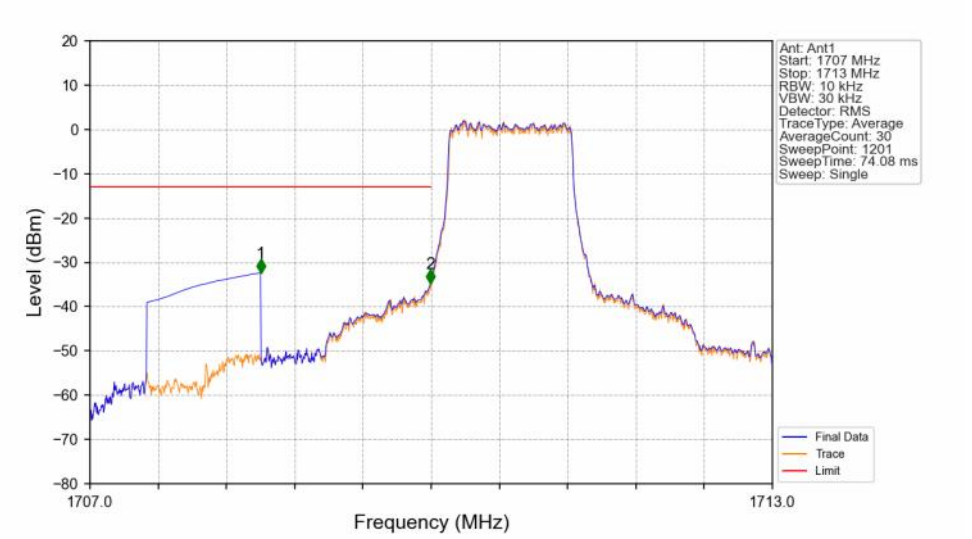
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV




Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV



Band4_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 |
|---|---|---|---|---|---|---|---|---|
| 1707 | 1709 | 1 | CHP | 1 | 1708.500 | -32.38 | -13 | Pass |
| 1709 | 1710 | 0.013 | CHP | 2 | 1709.995 | -34.82 | -13 | Pass |
| 1710 | 1713 | 0.013 | CHP | / | / | / | / | / |

Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV