# 1. Effective (Isotropic) Radiated Power Output Data

## 1.1 B40b_5MHz_EIRP

### 1.1.1 Test Result

| Band: 40b / Bandwidth: 5MHz / NTNV | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Conducted Power (dBm) | Gain (dBi) | EIRP (dBm) | | Verdict |
| | | Size | Offset | | | Result | Limit | |
| QPSK | 2352.5 | 1 | 0 | 21.26 | 0.16 | 21.42 | <=23.98 | Pass |
| | | | 13 | 21.41 | 0.16 | 21.57 | <=23.98 | Pass |
| | | | 24 | 21.37 | 0.16 | 21.53 | <=23.98 | Pass |
| | | 12 | 0 | 20.44 | 0.16 | 20.60 | <=23.98 | Pass |
| | | | 6 | 20.38 | 0.16 | 20.54 | <=23.98 | Pass |
| | | | 13 | 20.43 | 0.16 | 20.59 | <=23.98 | Pass |
| | | 25 | 0 | 20.32 | 0.16 | 20.48 | <=23.98 | Pass |
| | 2355 | 1 | 0 | 21.36 | 0.16 | 21.52 | <=23.98 | Pass |
| | | | 13 | 21.30 | 0.16 | 21.46 | <=23.98 | Pass |
| | | | 24 | 21.35 | 0.16 | 21.51 | <=23.98 | Pass |
| | | 12 | 0 | 20.34 | 0.16 | 20.50 | <=23.98 | Pass |
| | | | 6 | 20.43 | 0.16 | 20.59 | <=23.98 | Pass |
| | | | 13 | 20.56 | 0.16 | 20.72 | <=23.98 | Pass |
| | | 25 | 0 | 20.45 | 0.16 | 20.61 | <=23.98 | Pass |
| | 2357.5 | 1 | 0 | 21.24 | 0.16 | 21.40 | <=23.98 | Pass |
| | | | 13 | 21.38 | 0.16 | 21.54 | <=23.98 | Pass |
| | | | 24 | 21.29 | 0.16 | 21.45 | <=23.98 | Pass |
| | | 12 | 0 | 20.42 | 0.16 | 20.58 | <=23.98 | Pass |
| | | | 6 | 20.34 | 0.16 | 20.50 | <=23.98 | Pass |
| | | | 13 | 20.33 | 0.16 | 20.49 | <=23.98 | Pass |
| | | 25 | 0 | 20.42 | 0.16 | 20.58 | <=23.98 | Pass |
| 16QAM | 2352.5 | 1 | 0 | 21.03 | 0.16 | 21.19 | <=23.98 | Pass |
| | | | 13 | 20.29 | 0.16 | 20.45 | <=23.98 | Pass |
| | | | 24 | 20.45 | 0.16 | 20.61 | <=23.98 | Pass |
| | | 12 | 0 | 19.42 | 0.16 | 19.58 | <=23.98 | Pass |
| | | | 6 | 19.55 | 0.16 | 19.71 | <=23.98 | Pass |
| | | | 13 | 19.58 | 0.16 | 19.74 | <=23.98 | Pass |
| | | 25 | 0 | 19.54 | 0.16 | 19.70 | <=23.98 | Pass |
| | 2355 | 1 | 0 | 20.47 | 0.16 | 20.63 | <=23.98 | Pass |
| | | | 13 | 21.31 | 0.16 | 21.47 | <=23.98 | Pass |
| | | | 24 | 20.32 | 0.16 | 20.48 | <=23.98 | Pass |
| | | 12 | 0 | 19.56 | 0.16 | 19.72 | <=23.98 | Pass |
| | | | 6 | 19.20 | 0.16 | 19.36 | <=23.98 | Pass |
| | | | 13 | 19.71 | 0.16 | 19.87 | <=23.98 | Pass |
| | | 25 | 0 | 19.54 | 0.16 | 19.70 | <=23.98 | Pass |
| | 2357.5 | 1 | 0 | 20.33 | 0.16 | 20.49 | <=23.98 | Pass |
| | | | 13 | 20.47 | 0.16 | 20.63 | <=23.98 | Pass |
| | | | 24 | 21.41 | 0.16 | 21.57 | <=23.98 | Pass |
| | | 12 | 0 | 19.65 | 0.16 | 19.81 | <=23.98 | Pass |
| | | | 6 | 19.62 | 0.16 | 19.78 | <=23.98 | Pass |
| | | | 13 | 19.44 | 0.16 | 19.60 | <=23.98 | Pass |
| | | 25 | 0 | 19.62 | 0.16 | 19.78 | <=23.98 | Pass |
| Note1: EIRP=Conducted Power+Antenna Gain | | | | | | | | |

## 1.2 B40b_10MHz_EIRP

### 1.2.1 Test Result

| Band: 40b / Bandwidth: 10MHz / NTNV | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Conducted Power (dBm) | Gain (dBi) | EIRP (dBm) | | Verdict |
| | | Size | Offset | | | Result | Limit | |
| QPSK | 2355 | 1 | 0 | 21.44 | 0.16 | 21.60 | <=23.98 | Pass |
| | | | 25 | 21.24 | 0.16 | 21.40 | <=23.98 | Pass |
| | | | 49 | 21.42 | 0.16 | 21.58 | <=23.98 | Pass |
| | | 25 | 0 | 20.37 | 0.16 | 20.53 | <=23.98 | Pass |
| | | | 13 | 20.33 | 0.16 | 20.49 | <=23.98 | Pass |
| | | | 25 | 20.49 | 0.16 | 20.65 | <=23.98 | Pass |
| | | 50 | 0 | 20.44 | 0.16 | 20.60 | <=23.98 | Pass |
| 16QAM | 2355 | 1 | 0 | 20.11 | 0.16 | 20.27 | <=23.98 | Pass |
| | | | 25 | 20.24 | 0.16 | 20.40 | <=23.98 | Pass |
| | | | 49 | 21.16 | 0.16 | 21.32 | <=23.98 | Pass |
| | | 25 | 0 | 19.86 | 0.16 | 20.02 | <=23.98 | Pass |
| | | | 13 | 19.51 | 0.16 | 19.67 | <=23.98 | Pass |
| | | | 25 | 19.71 | 0.16 | 19.87 | <=23.98 | Pass |
| | | 50 | 0 | 19.45 | 0.16 | 19.61 | <=23.98 | Pass |
| Note1: EIRP=Conducted Power+Antenna Gain | | | | | | | | |

# 2. Frequency Stability

## 2.1 B40b_5MHz

### 2.1.1 Test Result

| Band: 40b / Bandwidth: 5MHz | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) | | Verdict |
| | | Size | Offset | | | | Result | Limit | |
| QPSK | 2352.5 | 25 | 0 | 20 | 3.27 | -3.905 | -0.0017 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -22.144 | -0.0094 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -4.721 | -0.0020 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -37.866 | -0.0161 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -38.896 | -0.0165 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -11.358 | -0.0048 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -29.626 | -0.0126 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -23.532 | -0.0100 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -44.947 | -0.0191 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -14.148 | -0.0060 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -9.069 | -0.0039 | -2.5 to 2.5 | Pass |
| | 2355 | 25 | 0 | 20 | 3.27 | 18.883 | 0.0080 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | 21.672 | 0.0092 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | 25.878 | 0.0110 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | 30.513 | 0.0130 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | 37.236 | 0.0158 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | 34.390 | 0.0146 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | 32.873 | 0.0140 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | 31.915 | 0.0136 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | 31.686 | 0.0135 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | 30.985 | 0.0132 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | 30.742 | 0.0131 | -2.5 to 2.5 | Pass |
| | 2357.5 | 25 | 0 | 20 | 3.27 | -5.350 | -0.0023 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -2.761 | -0.0012 | -2.5 to 2.5 | Pass |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | 4.43 | -4.520 | -0.0019 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -6.523 | -0.0028 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -35.892 | -0.0152 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -16.508 | -0.0070 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -26.364 | -0.0112 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -36.349 | -0.0154 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -38.009 | -0.0161 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -38.037 | -0.0161 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -35.005 | -0.0148 | -2.5 to 2.5 | Pass |
| 16QAM | 2352.5 | 25 | 0 | 20 | 3.27 | -19.197 | -0.0082 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -19.498 | -0.0083 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -21.415 | -0.0091 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -28.582 | -0.0121 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -1.931 | -0.0008 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -5.836 | -0.0025 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -36.736 | -0.0156 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -30.355 | -0.0129 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | 12.016 | 0.0051 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -24.934 | -0.0106 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -21.200 | -0.0090 | -2.5 to 2.5 | Pass |
| | 2355 | 25 | 0 | 20 | 3.27 | 5.336 | 0.0023 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | 12.288 | 0.0052 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | 7.639 | 0.0032 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | 5.565 | 0.0024 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | 2.661 | 0.0011 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -0.501 | -0.0002 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | 3.004 | 0.0013 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | 8.712 | 0.0037 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | 11.115 | 0.0047 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | 16.437 | 0.0070 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | 17.338 | 0.0074 | -2.5 to 2.5 | Pass |
| | 2357.5 | 25 | 0 | 20 | 3.27 | 8.397 | 0.0036 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | 10.157 | 0.0043 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | 12.975 | 0.0055 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | 16.565 | 0.0070 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | 22.101 | 0.0094 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | 25.277 | 0.0107 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | 28.281 | 0.0120 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | 30.513 | 0.0129 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | 37.537 | 0.0159 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | 45.547 | 0.0193 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | 47.994 | 0.0204 | -2.5 to 2.5 | Pass |

## 2.2 B40b_10MHz

### 2.2.1 Test Result

| Band: 40b / Bandwidth: 10MHz | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) | | Verdict |
| | | Size | Offset | | | | Result | Limit | |
| QPSK | 2355 | 50 | 0 | 20 | 3.27 | 9.298 | 0.0039 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | 27.180 | 0.0115 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | 37.980 | 0.0161 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | 41.513 | 0.0176 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | 43.273 | 0.0184 | -2.5 to 2.5 | Pass |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | -10 | 3.85 | 5.121 | 0.0022 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | 9.828 | 0.0042 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | 17.996 | 0.0076 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | 24.676 | 0.0105 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | 33.174 | 0.0141 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | 33.617 | 0.0143 | -2.5 to 2.5 | Pass |
| 16QAM | 2355 | 50 | 0 | 20 | 3.27 | -5.651 | -0.0024 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -2.775 | -0.0012 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | 5.908 | 0.0025 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | 13.332 | 0.0057 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | 30.584 | 0.0130 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | 44.432 | 0.0189 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | 29.497 | 0.0125 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | 11.830 | 0.0050 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | 20.156 | 0.0086 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | 36.693 | 0.0156 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | 48.895 | 0.0208 | -2.5 to 2.5 | Pass |

# 3. Modulation Characteristics

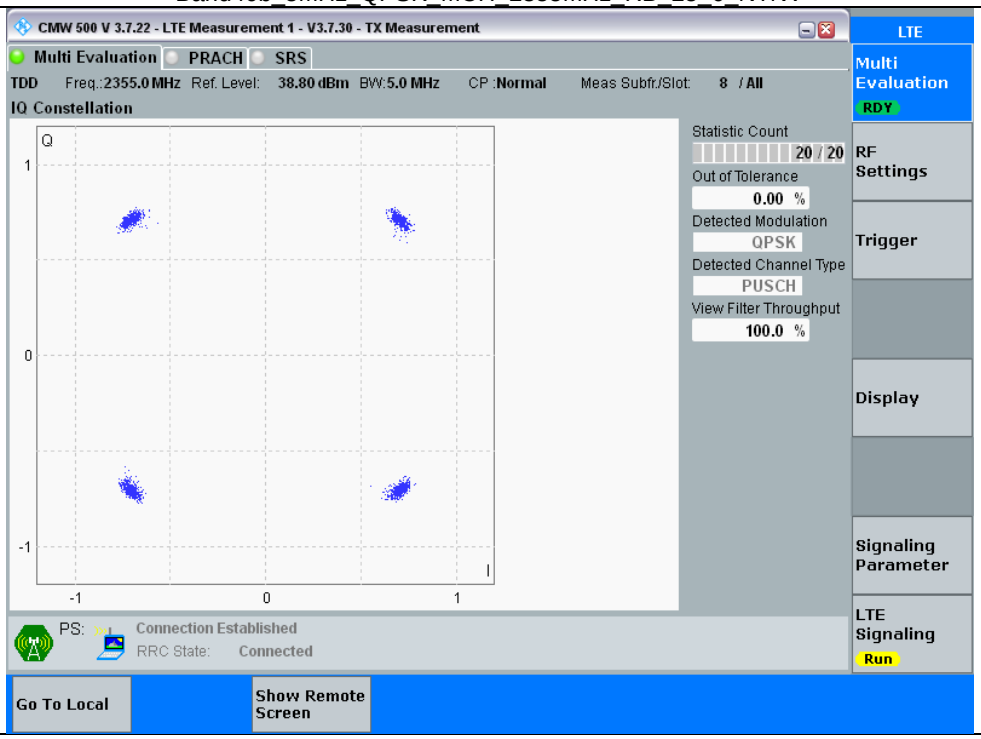
## 3.1 B40b_5MHz

### 3.1.1 Test Result

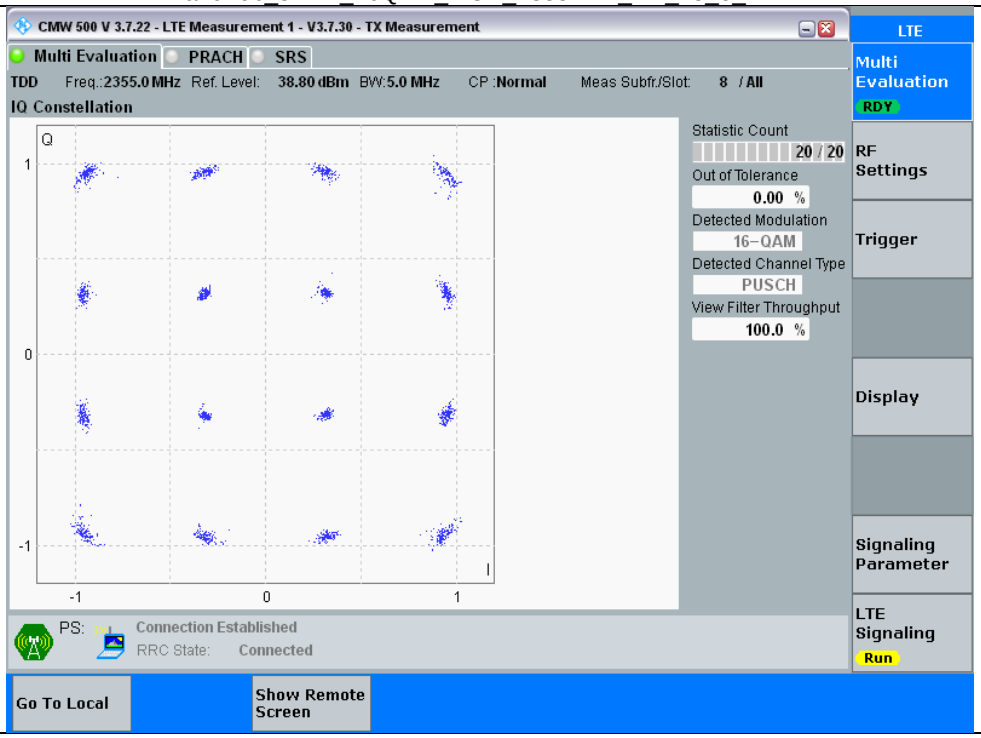
| Band: 40b / Bandwidth: 5MHz / NTNV | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Modulation Characteristics | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 2355 | 25 | 0 | Refer To Test Graph | | Pass |
| 16QAM | 2355 | 25 | 0 | Refer To Test Graph | | Pass |

## 3.1.2 Test Graph

Band40b_5MHz_QPSK_MCH_2355MHz_RB_25_0_NTNV




Band40b_5MHz_16QAM_MCH_2355MHz_RB_25_0_NTNV



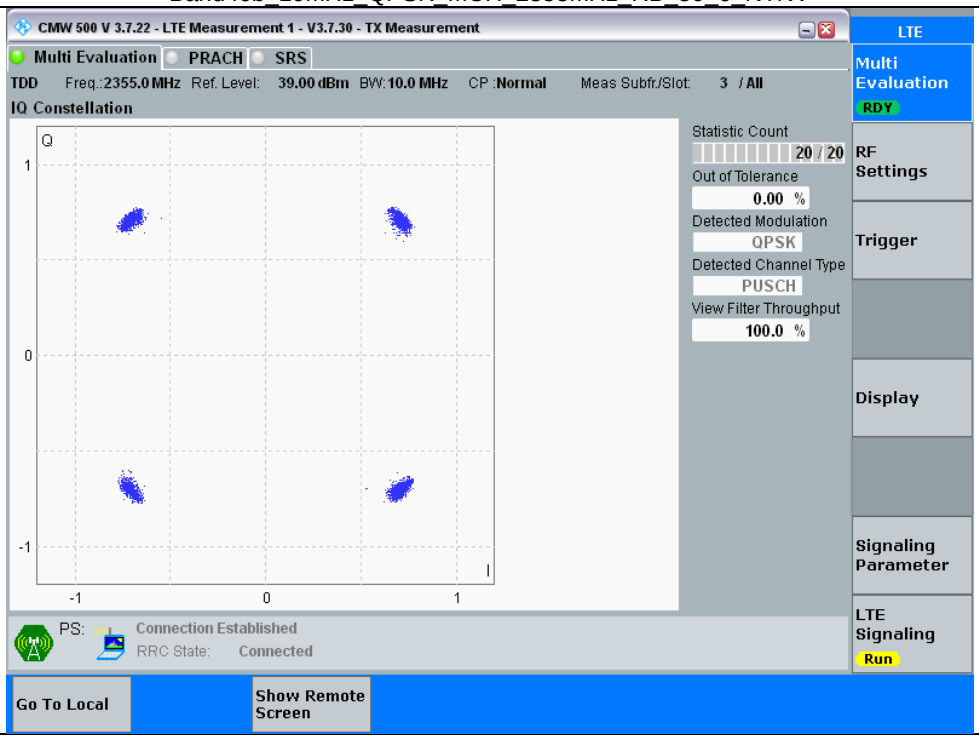
## 3.2 B40b_10MHz

### 3.2.1 Test Result

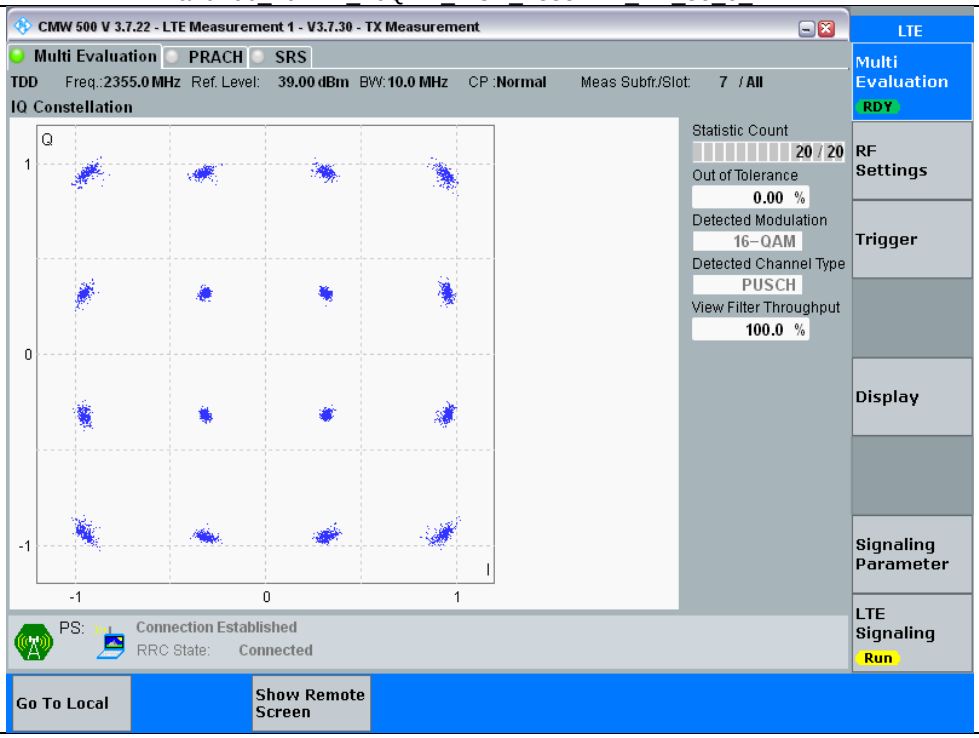
| Band: 40b / Bandwidth: 10MHz / NTNV | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Modulation Characteristics | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 2355 | 50 | 0 | Refer To Test Graph | | Pass |
| 16QAM | 2355 | 50 | 0 | Refer To Test Graph | | Pass |

## 3.2.2 Test Graph

Band40b_10MHz_QPSK_MCH_2355MHz_RB_50_0_NTNV




Band40b_10MHz_16QAM_MCH_2355MHz_RB_50_0_NTNV



# 4. 99% & 26dB Bandwidth

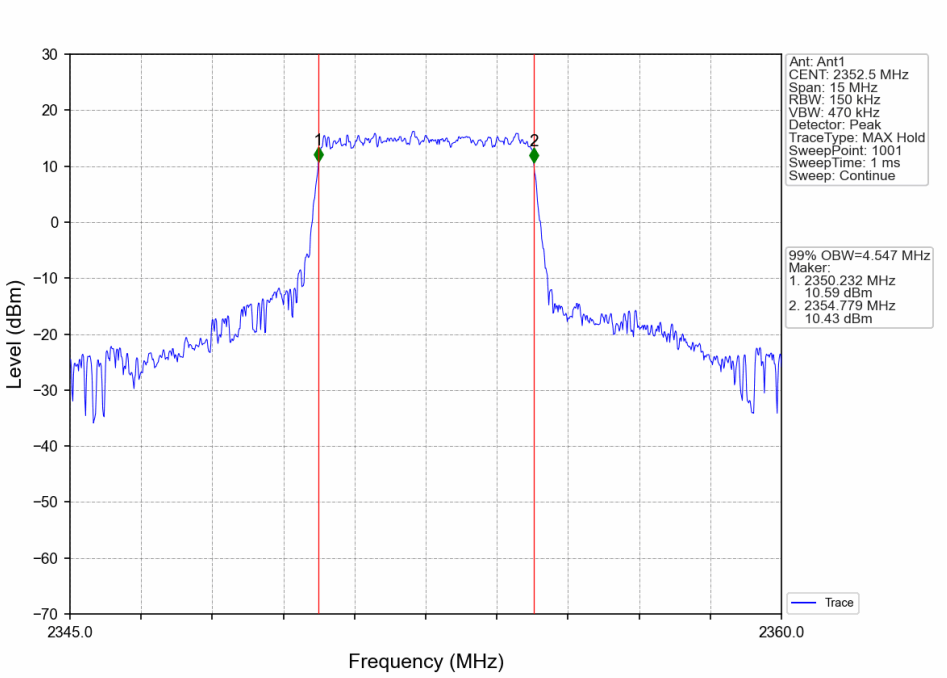
## 4.1 Band40b_OBW

### 4.1.1 Test Result

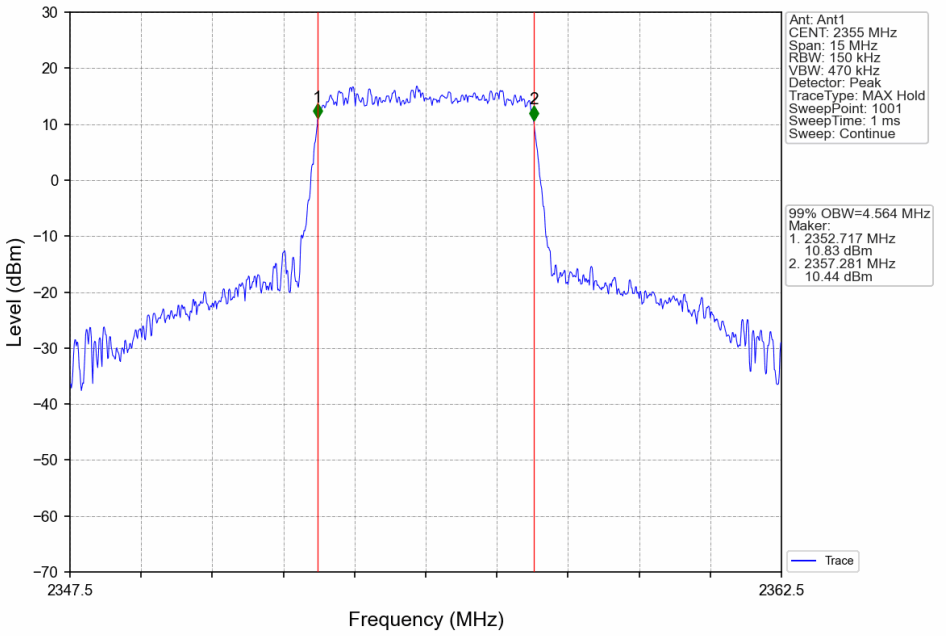
| Band: 40b / NTNV | | | | | | | |
|---|---|---|---|---|---|---|---|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation | | 99% Occupied Bandwidth (MHz) | | Verdict |
| | | | Size | Offset | Result | Limit | |
| 5 | QPSK | 2352.5 | 25 | 0 | 4.547 | / | Pass |
| | | 2355 | 25 | 0 | 4.564 | / | Pass |
| | | 2357.5 | 25 | 0 | 4.546 | / | Pass |
| | 16QAM | 2352.5 | 25 | 0 | 4.536 | / | Pass |
| | | 2355 | 25 | 0 | 4.586 | / | Pass |
| | | 2357.5 | 25 | 0 | 4.584 | / | Pass |
| 10 | QPSK | 2355 | 50 | 0 | 9.092 | / | Pass |
| | 16QAM | 2355 | 50 | 0 | 9.063 | / | Pass |

## 4.1.2 Test Graph

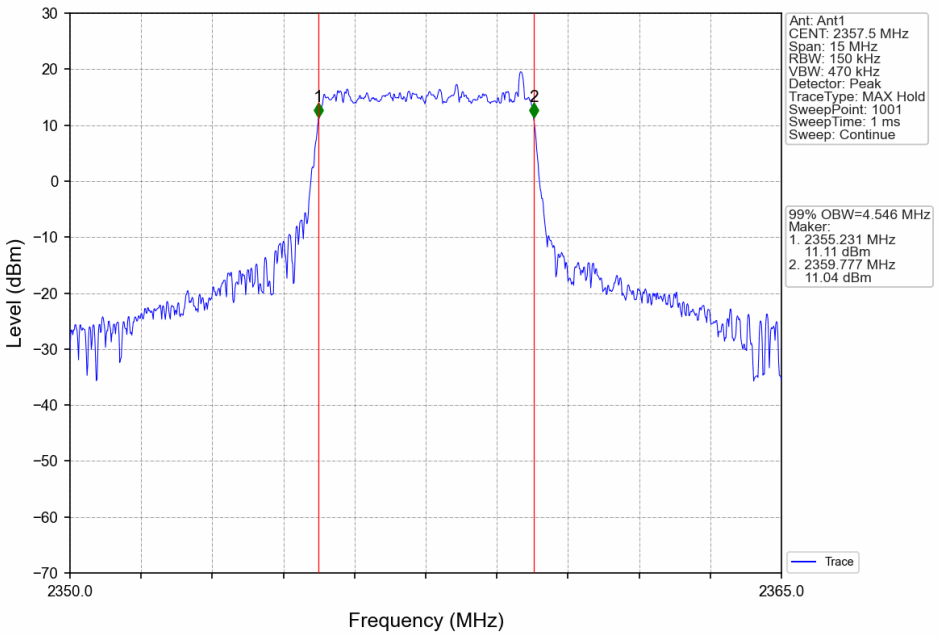
Band40b_5MHz_QPSK_LCH_2352.5MHz_RB_25_0_NTNV



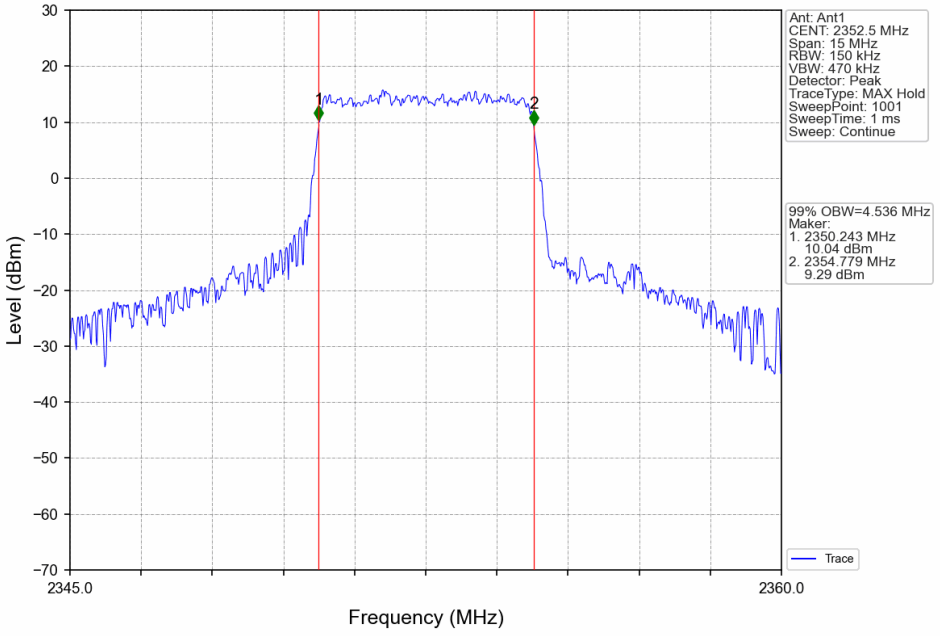

Band40b_5MHz_QPSK_MCH_2355MHz_RB_25_0_NTNV



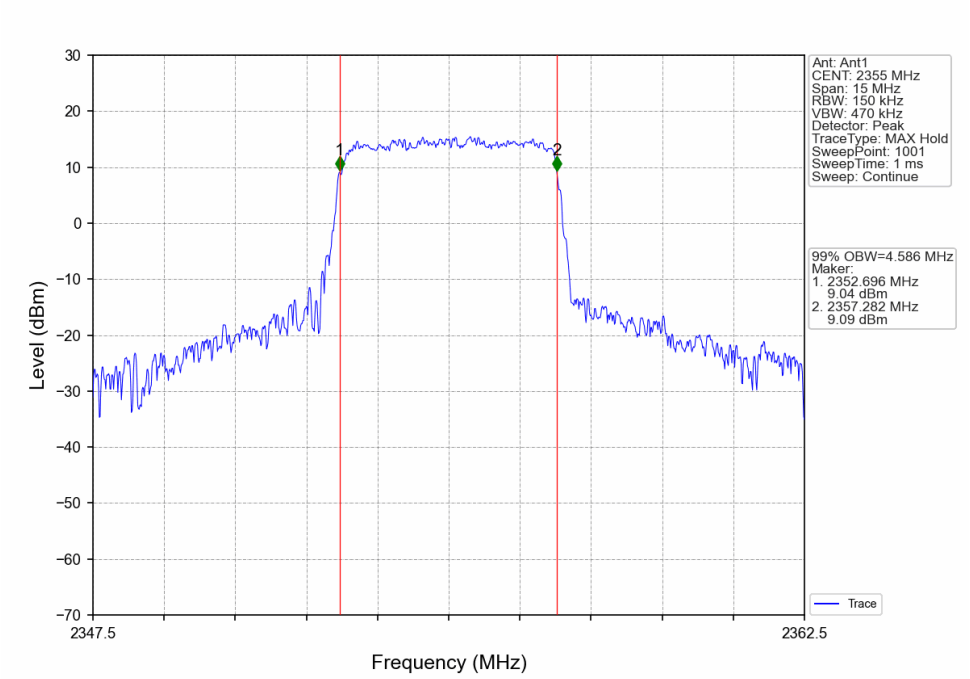
Band40b_5MHz_QPSK_HCH_2357.5MHz_RB_25_0_NTNV



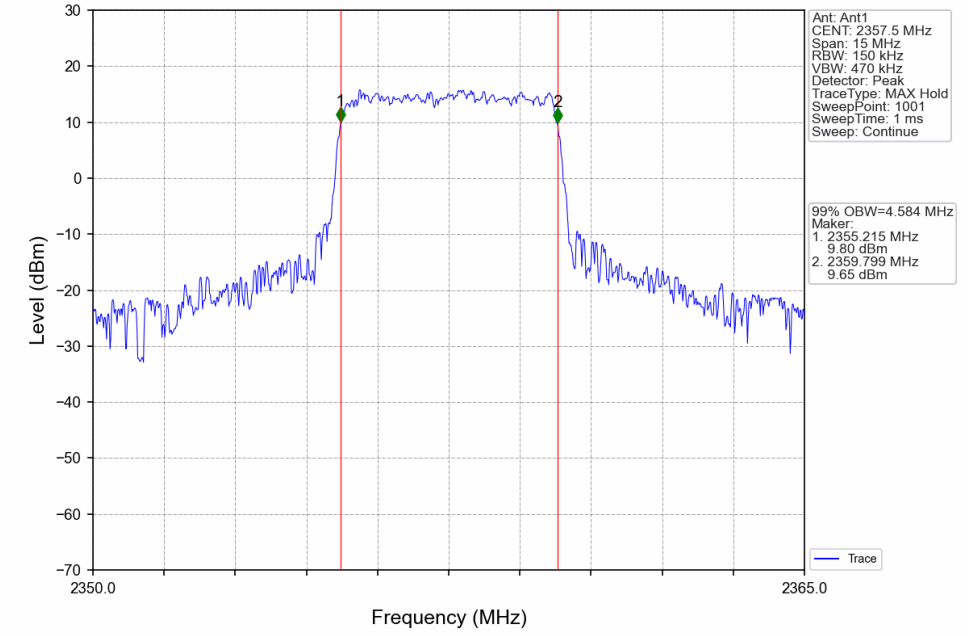

Band40b_5MHz_16QAM_LCH_2352.5MHz_RB_25_0_NTNV



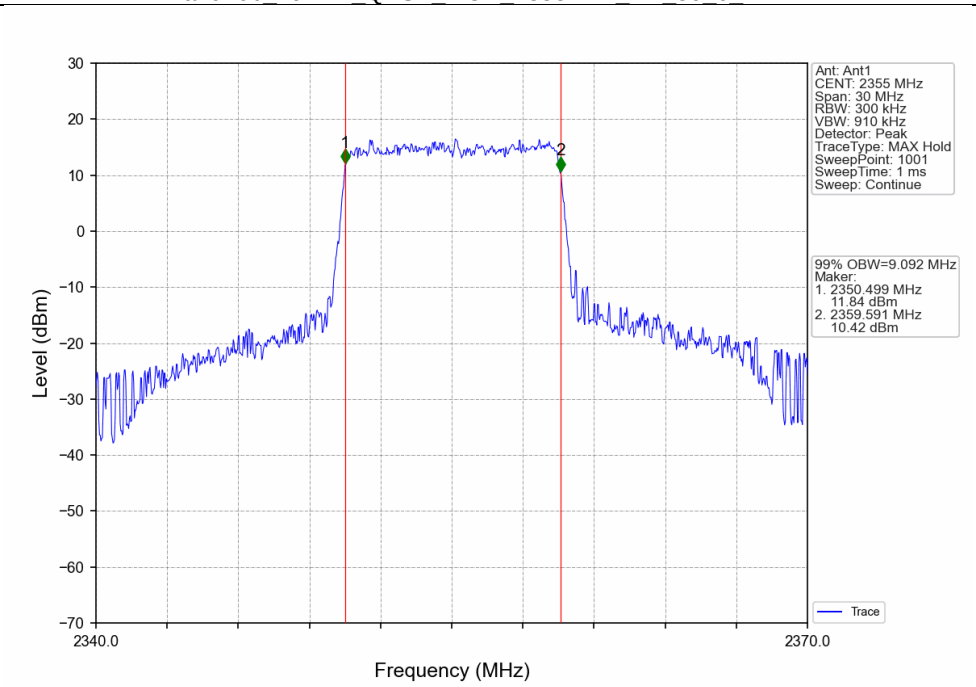
Band40b_5MHz_16QAM_MCH_2355MHz_RB_25_0_NTNV



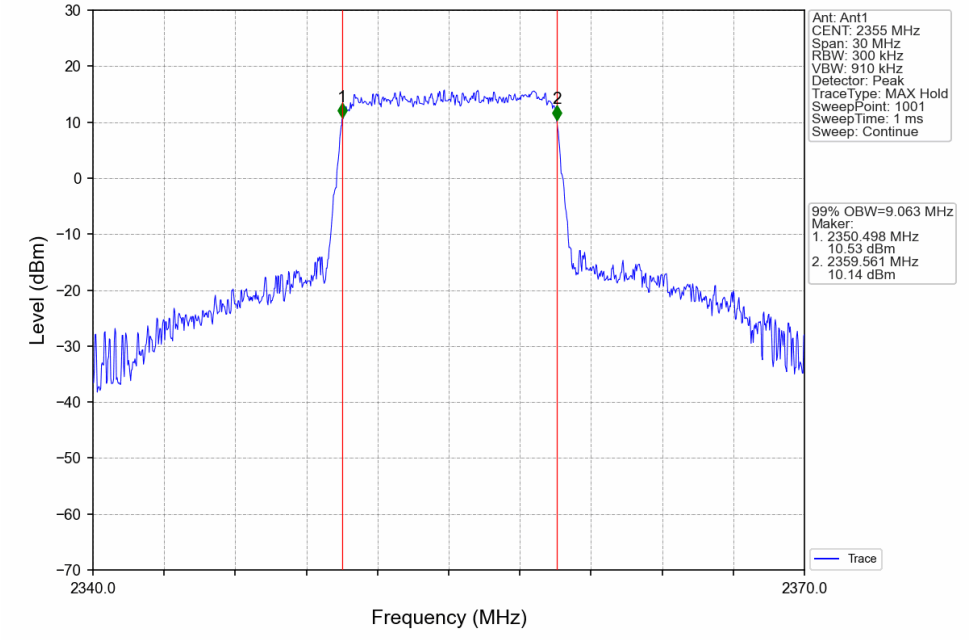

Band40b_5MHz_16QAM_HCH_2357.5MHz_RB_25_0_NTNV



Band40b_10MHz_QPSK_MCH_2355MHz_RB_50_0_NTNV




Band40b_10MHz_16QAM_MCH_2355MHz_RB_50_0_NTNV



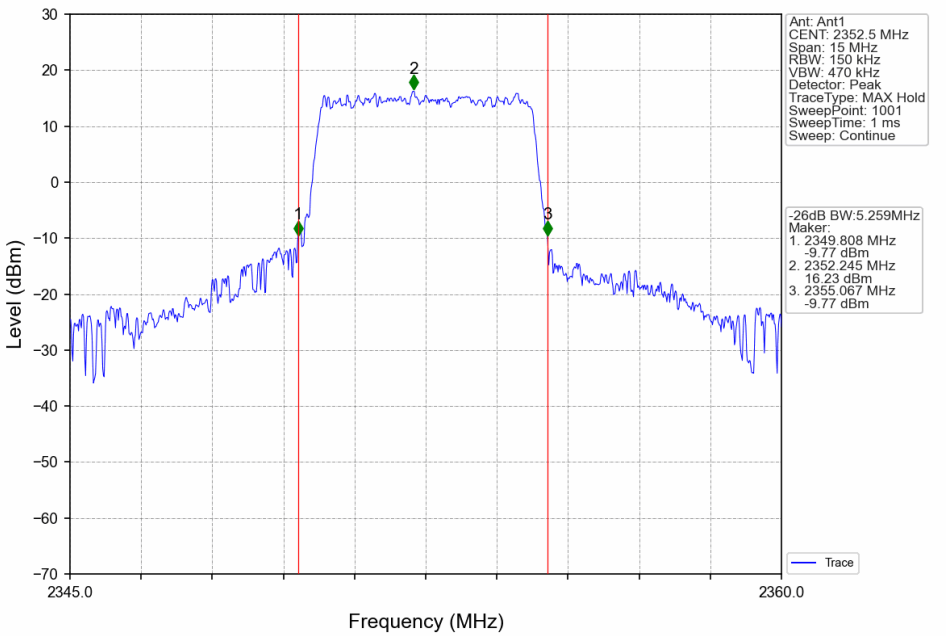
## 4.2 Band40b_XDB

### 4.2.1 Test Result

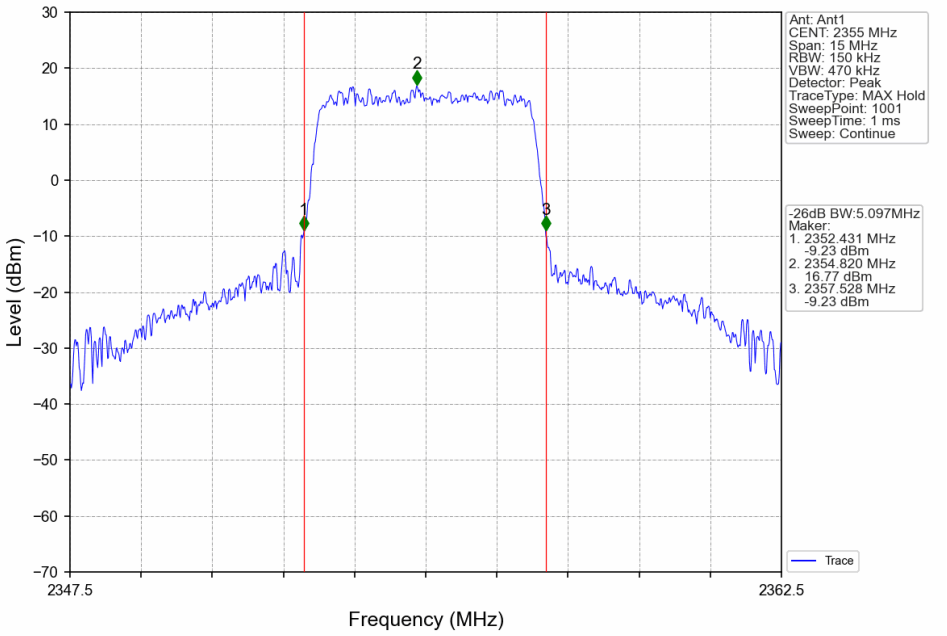
| Band: 40b / NTNV | | | | | | | |
|---|---|---|---|---|---|---|---|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation | | 26dB Bandwidth (MHz) | | Verdict |
| | | | Size | Offset | Result | Limit | |
| 5 | QPSK | 2352.5 | 25 | 0 | 5.259 | / | Pass |
| | | 2355 | 25 | 0 | 5.097 | / | Pass |
| | | 2357.5 | 25 | 0 | 5.056 | / | Pass |
| | 16QAM | 2352.5 | 25 | 0 | 5.330 | / | Pass |
| | | 2355 | 25 | 0 | 5.241 | / | Pass |
| | | 2357.5 | 25 | 0 | 5.559 | / | Pass |
| 10 | QPSK | 2355 | 50 | 0 | 10.258 | / | Pass |
| | 16QAM | 2355 | 50 | 0 | 10.015 | / | Pass |

## 4.2.2 Test Graph

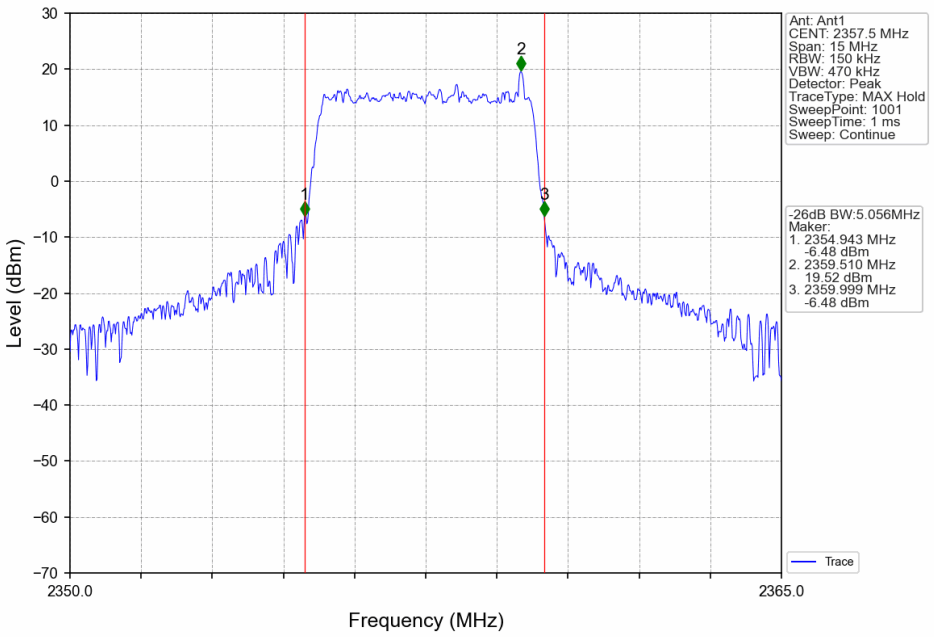
Band40b_5MHz_QPSK_LCH_2352.5MHz_RB_25_0_NTNV



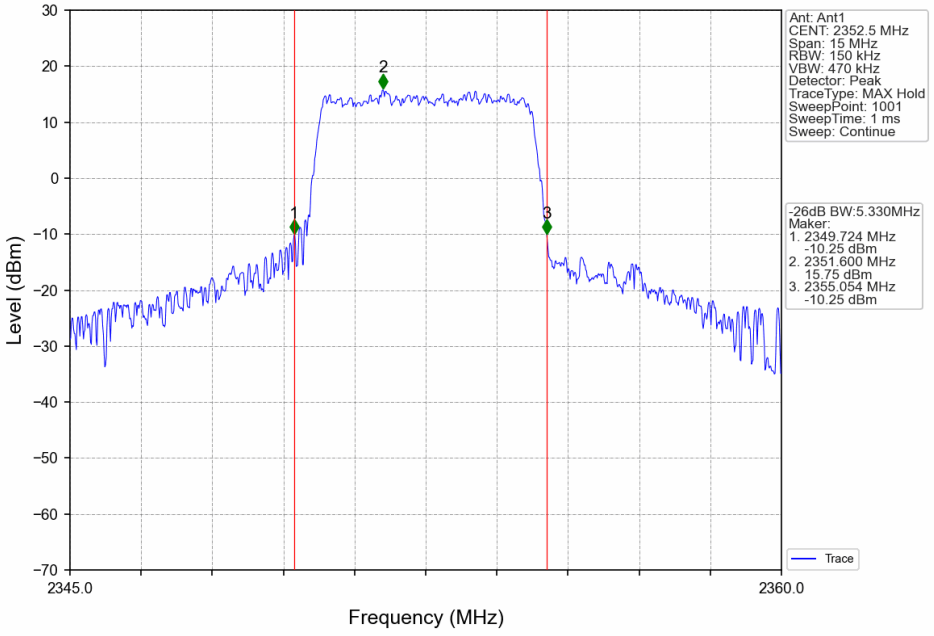

Band40b_5MHz_QPSK_MCH_2355MHz_RB_25_0_NTNV



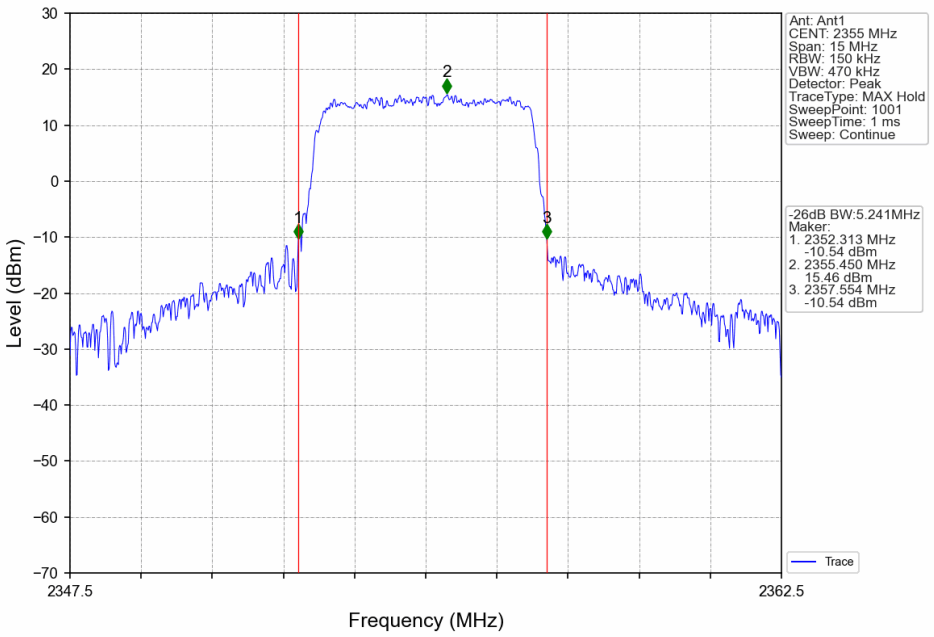
Band40b_5MHz_QPSK_HCH_2357.5MHz_RB_25_0_NTNV



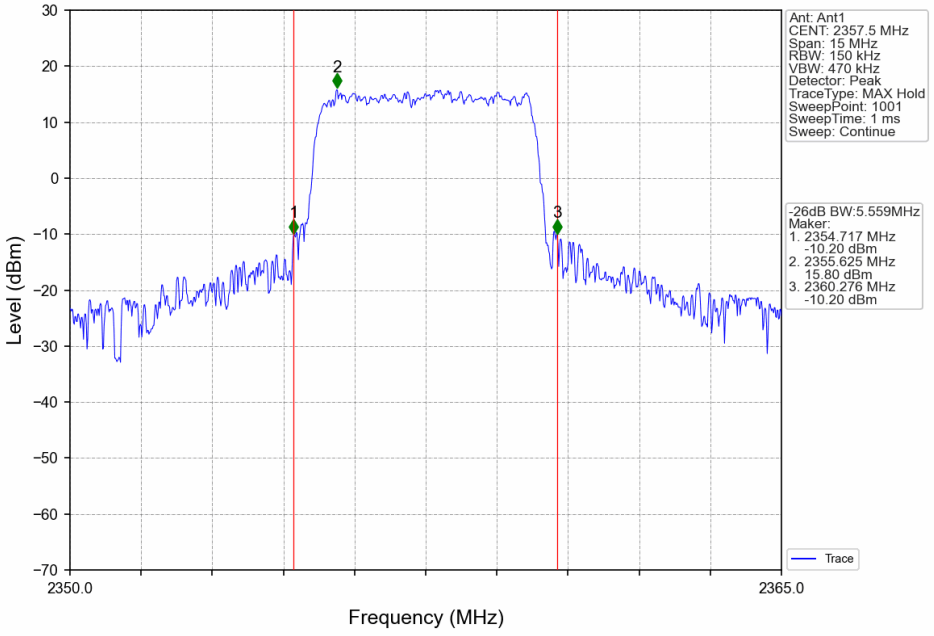

Band40b_5MHz_16QAM_LCH_2352.5MHz_RB_25_0_NTNV



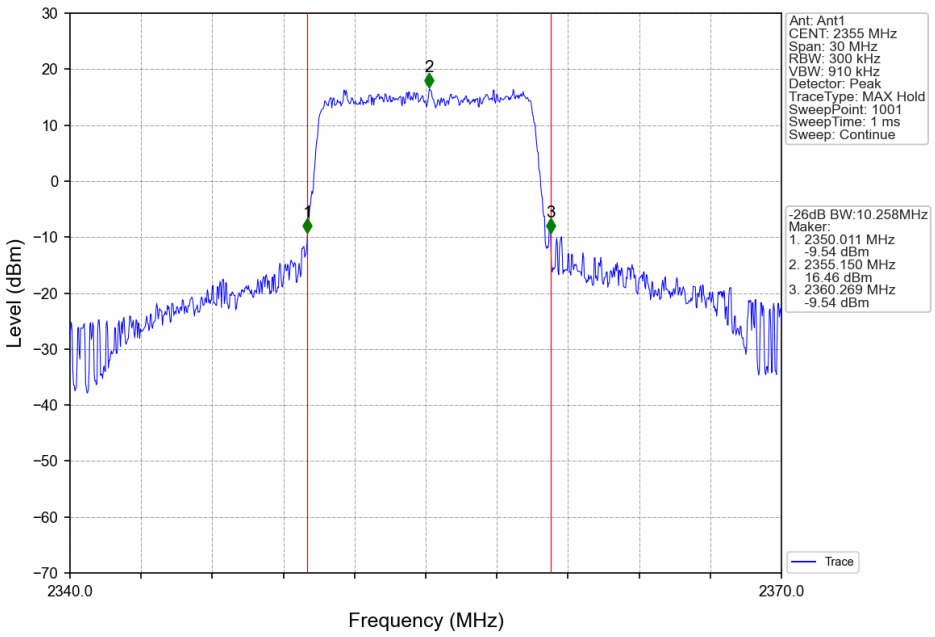
Band40b_5MHz_16QAM_MCH_2355MHz_RB_25_0_NTNV



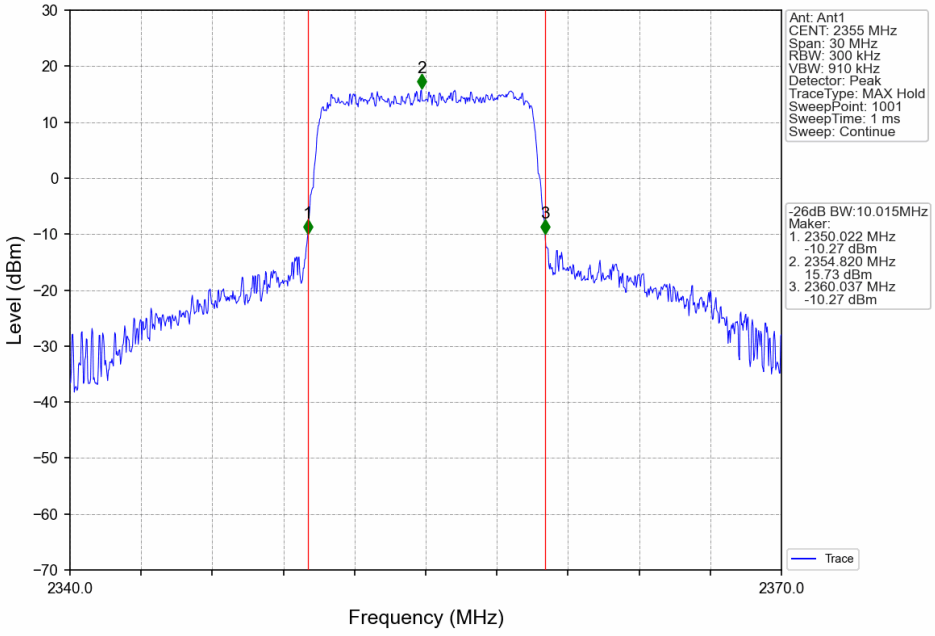

Band40b_5MHz_16QAM_HCH_2357.5MHz_RB_25_0_NTNV



Band40b_10MHz_QPSK_MCH_2355MHz_RB_50_0_NTNV




Band40b_10MHz_16QAM_MCH_2355MHz_RB_50_0_NTNV



# 5. Peak-Average Ratio

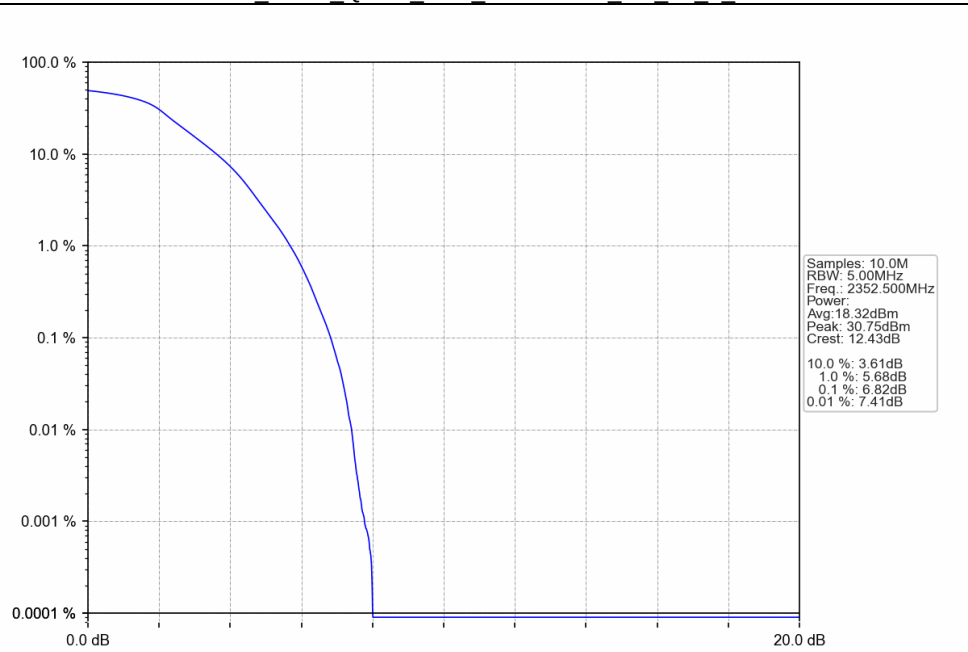
## 5.1 B40b_5MHz

### 5.1.1 Test Result

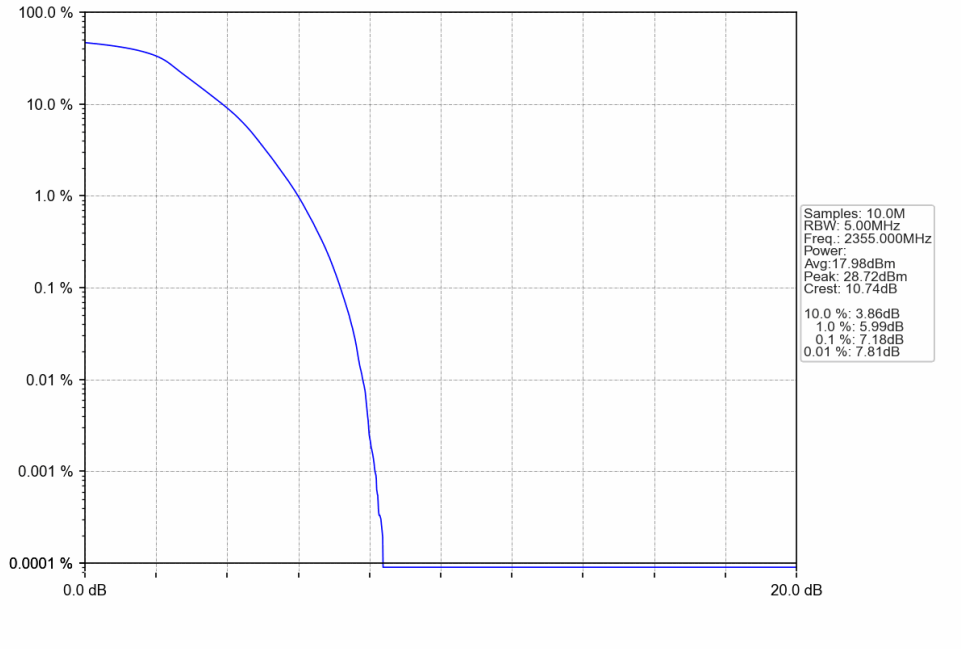
| Band: 40b / Bandwidth: 5MHz / NTNV | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Peak-Average Ratio (dB) | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 2352.5 | 25 | 0 | 6.82 | <=13 | Pass |
| | 2355 | 25 | 0 | 7.18 | <=13 | Pass |
| | 2357.5 | 25 | 0 | 7.34 | <=13 | Pass |
| 16QAM | 2352.5 | 25 | 0 | 7.72 | <=13 | Pass |
| | 2355 | 25 | 0 | 7.69 | <=13 | Pass |
| | 2357.5 | 25 | 0 | 7.79 | <=13 | Pass |

## 5.1.2 Test Graph

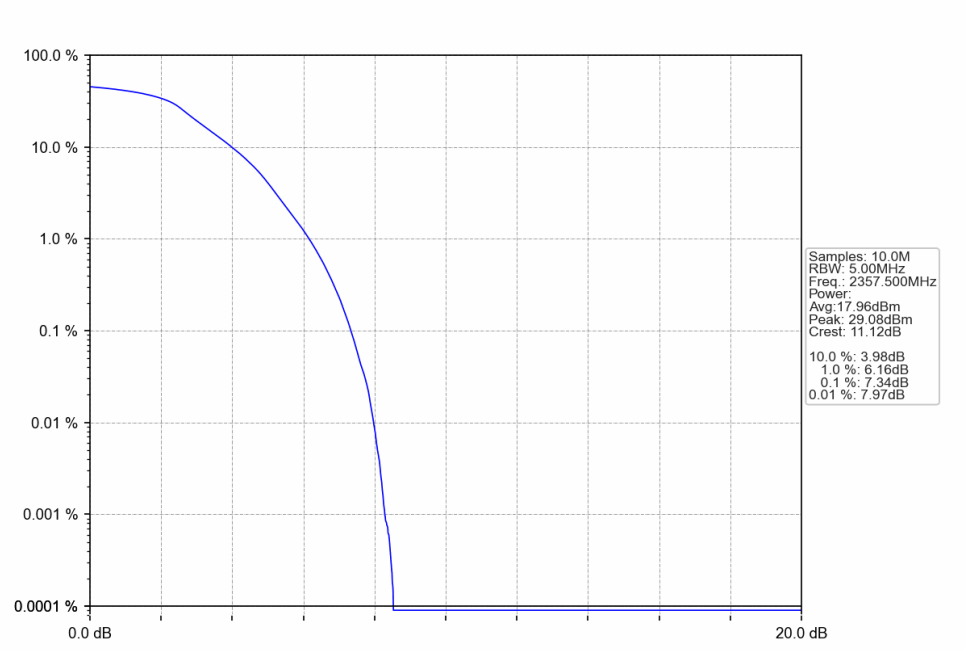
Band40b_5MHz_QPSK_LCH_2352.5MHz_RB_25_0_NTNV



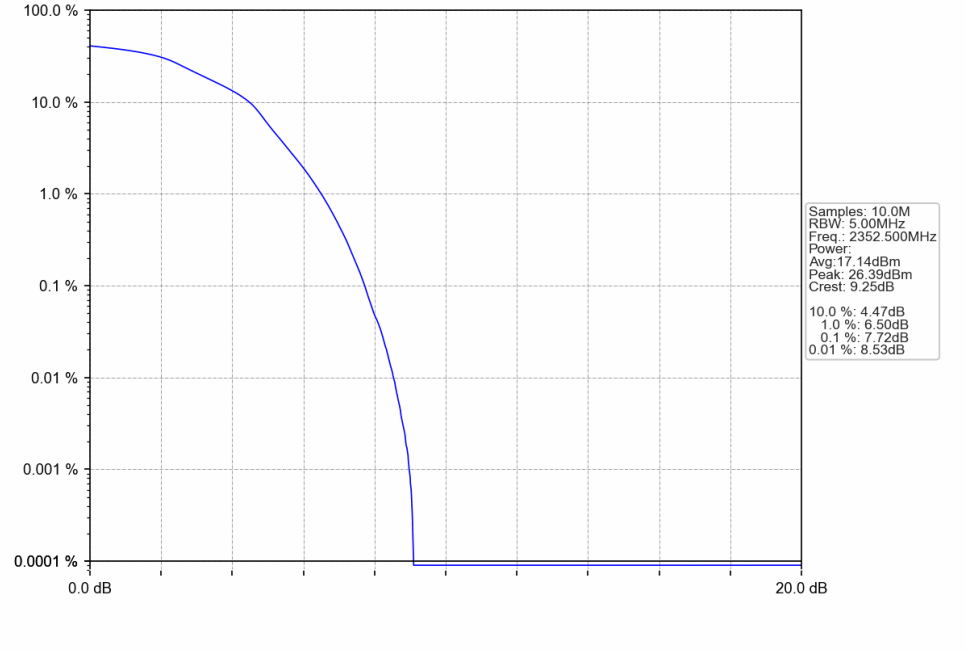

Band40b_5MHz_QPSK_MCH_2355MHz_RB_25_0_NTNV



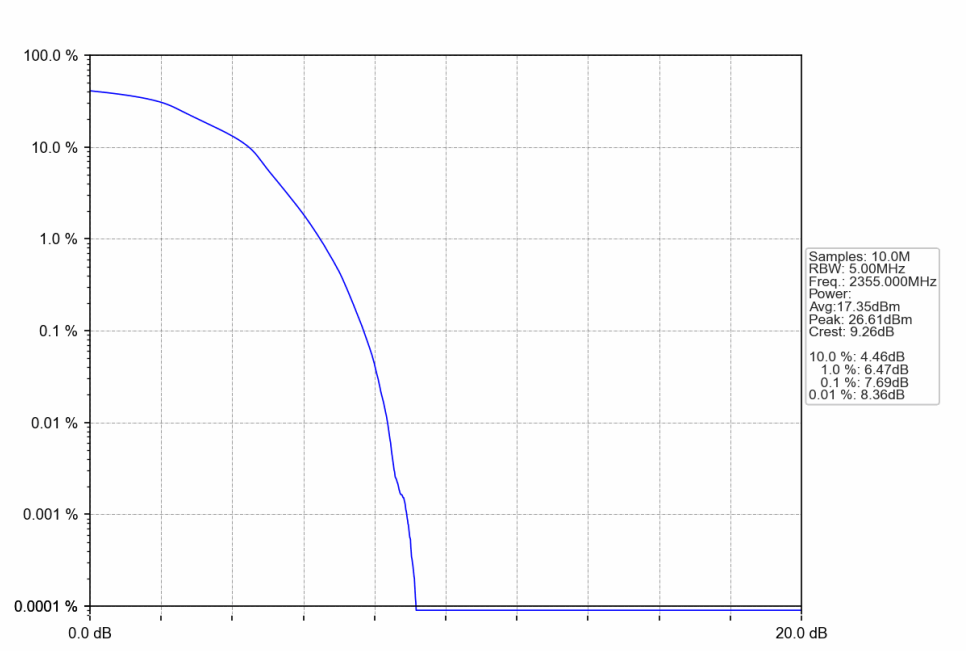
Band40b_5MHz_QPSK_HCH_2357.5MHz_RB_25_0_NTNV



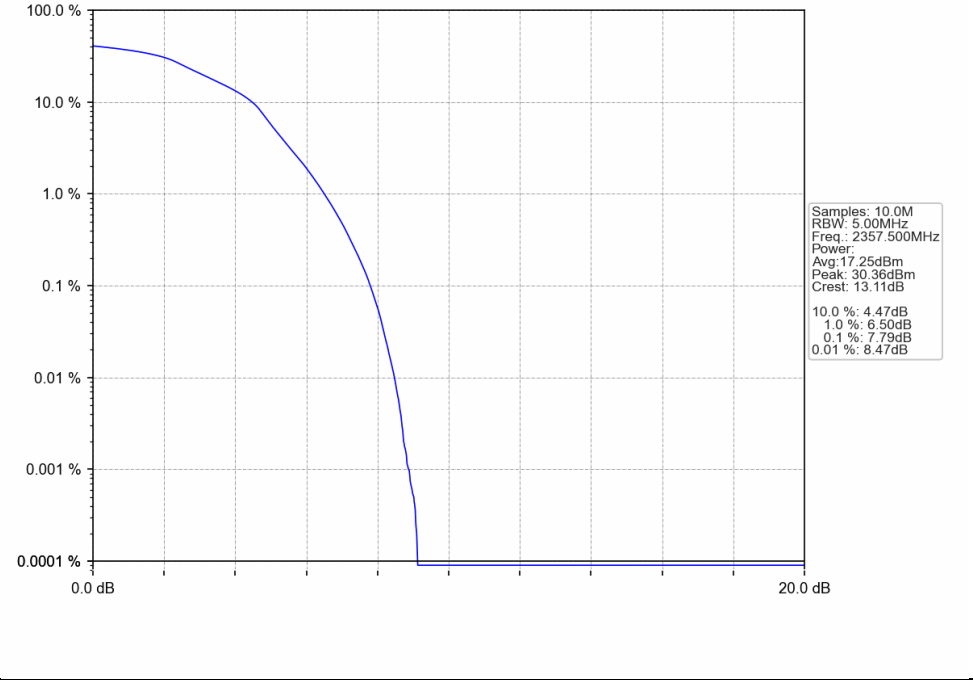

Band40b_5MHz_16QAM_LCH_2352.5MHz_RB_25_0_NTNV



Band40b_5MHz_16QAM_MCH_2355MHz_RB_25_0_NTNV




Band40b_5MHz_16QAM_HCH_2357.5MHz_RB_25_0_NTNV



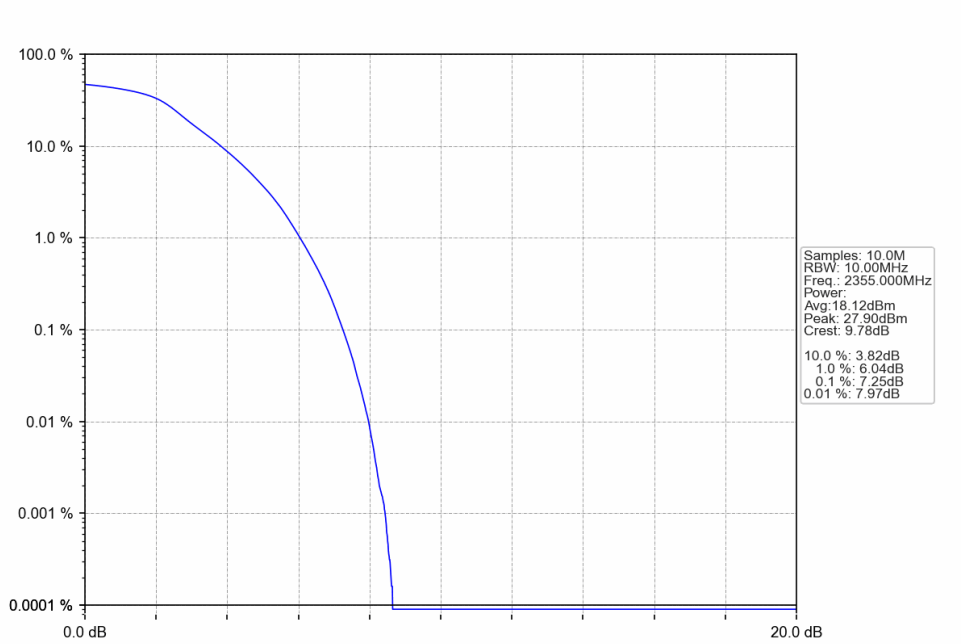
## 5.2 B40b_10MHz

### 5.2.1 Test Result

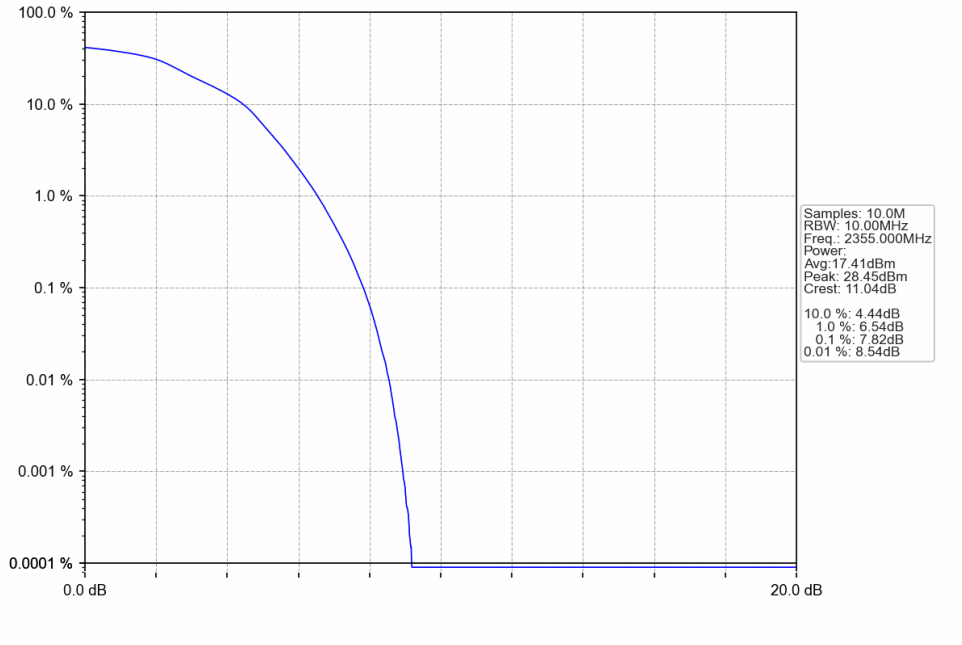
| Band: 40b / Bandwidth: 10MHz / NTNV | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Peak-Average Ratio (dB) | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 2355 | 50 | 0 | 7.25 | <=13 | Pass |
| 16QAM | 2355 | 50 | 0 | 7.82 | <=13 | Pass |

## 5.2.2 Test Graph

Band40b_10MHz_QPSK_MCH_2355MHz_RB_50_0_NTNV




Band40b_10MHz_16QAM_MCH_2355MHz_RB_50_0_NTNV



# 6. Spurious Emission

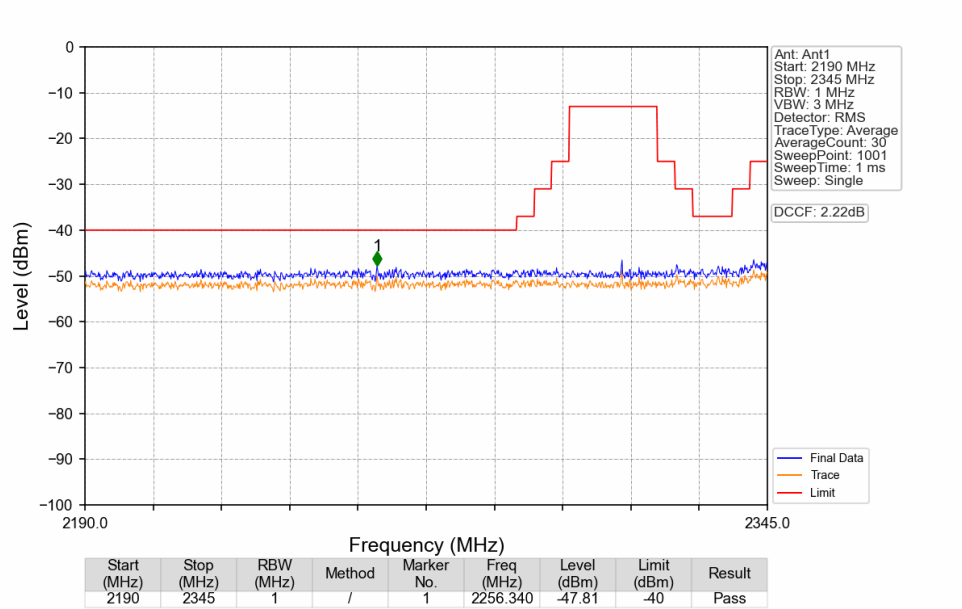
## 6.1 B40b_5MHz

### 6.1.1 Test Result

| Band: 40b / Bandwidth: 5MHz / NTNV | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Spurious Emission | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 2352.5 | 1 | 0 | Refer To Test Graph | | Pass |
| | | 25 | 0 | Refer To Test Graph | | Pass |
| | 2355 | 1 | 0 | Refer To Test Graph | | Pass |
| | 2357.5 | 1 | 0 | Refer To Test Graph | | Pass |
| | | | 24 | Refer To Test Graph | | Pass |
| | | 25 | 0 | Refer To Test Graph | | Pass |
| 16QAM | 2352.5 | 1 | 0 | Refer To Test Graph | | Pass |
| | | 25 | 0 | Refer To Test Graph | | Pass |
| | 2355 | 1 | 0 | Refer To Test Graph | | Pass |
| | 2357.5 | 1 | 0 | Refer To Test Graph | | Pass |
| | | | 24 | Refer To Test Graph | | Pass |
| | | 25 | 0 | Refer To Test Graph | | Pass |

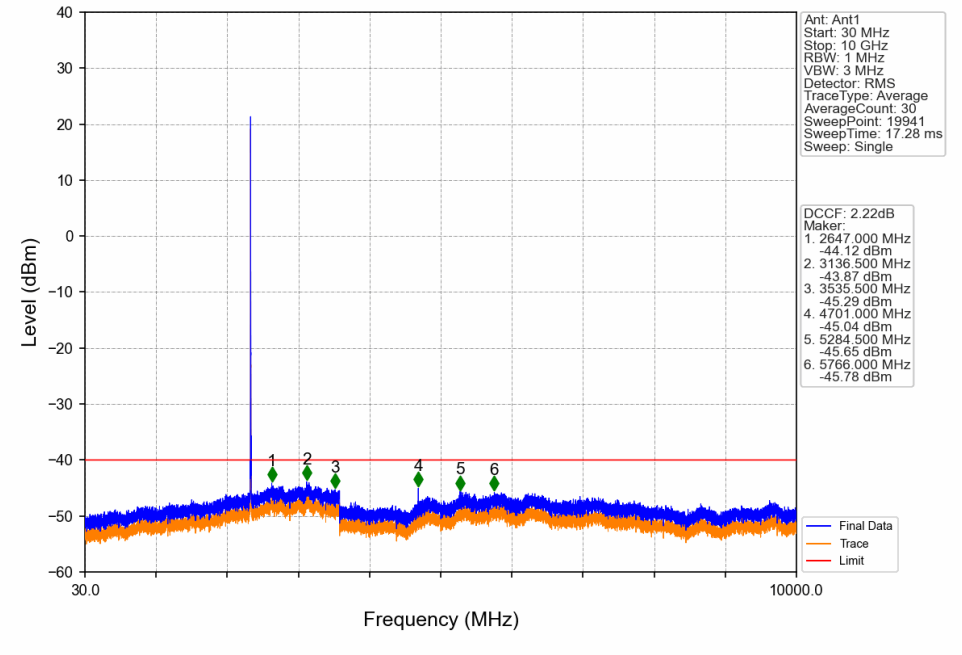
## 6.1.2 Test Graph

Band40b_5MHz_QPSK_LCH_2352.5MHz_RB_1_0_NTNV

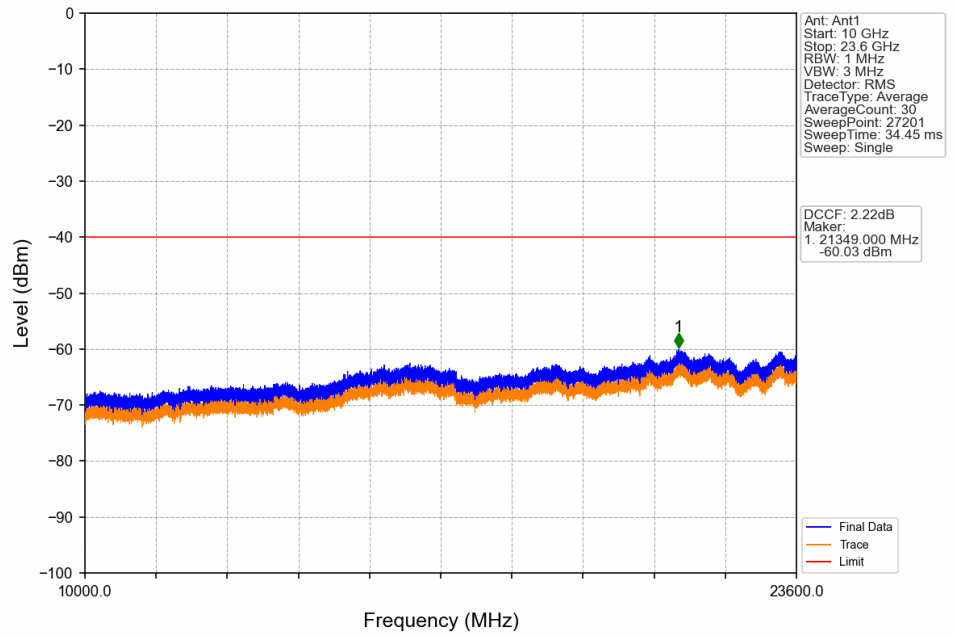



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 2190 | 2345 | 1 | / | 1 | 2256.340 | -47.81 | -40 | Pass |

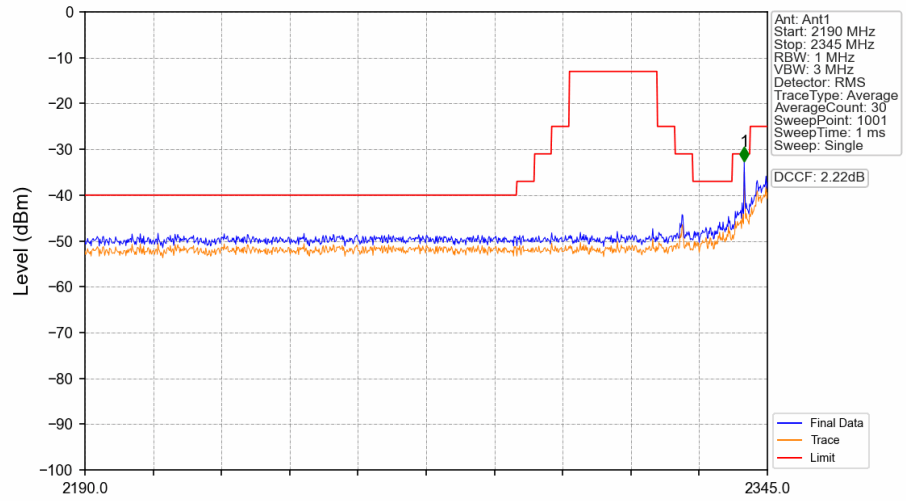
Band40b_5MHz_QPSK_LCH_2352.5MHz_RB_1_0_NTNV



Band40b_5MHz_QPSK_LCH_2352.5MHz_RB_1_0_NTNV

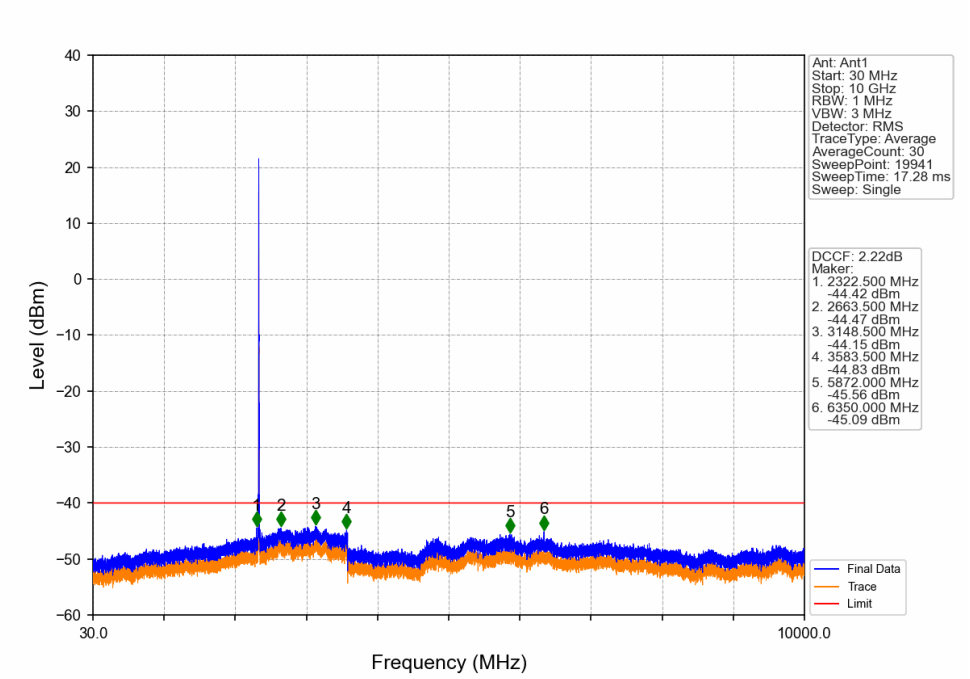



Band40b_5MHz_QPSK_LCH_2352.5MHz_RB_25_0_NTNV

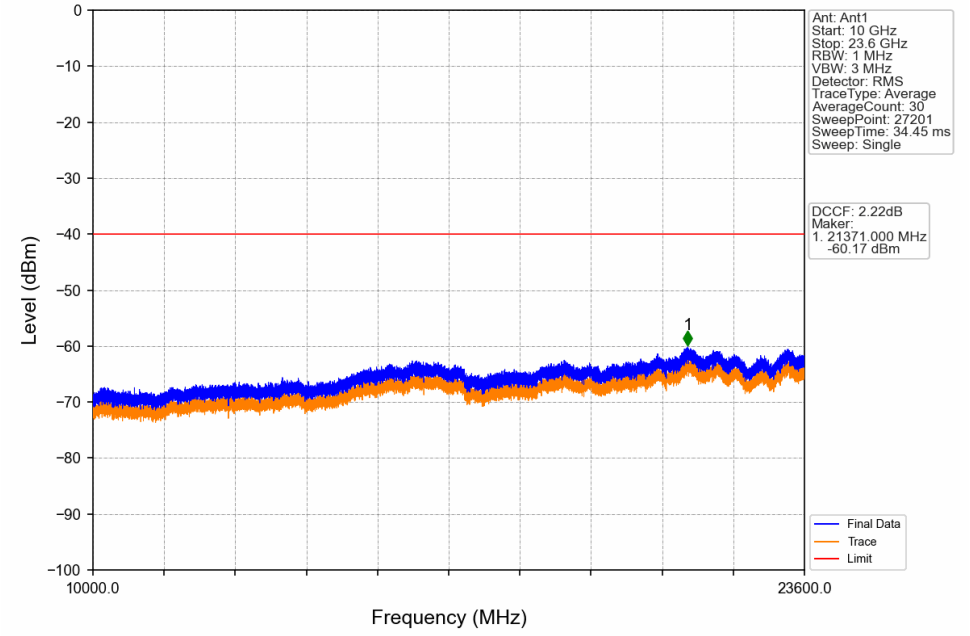



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 2190 | 2345 | 1 | / | 1 | 2339.730 | -32.67 | -31 | Pass |

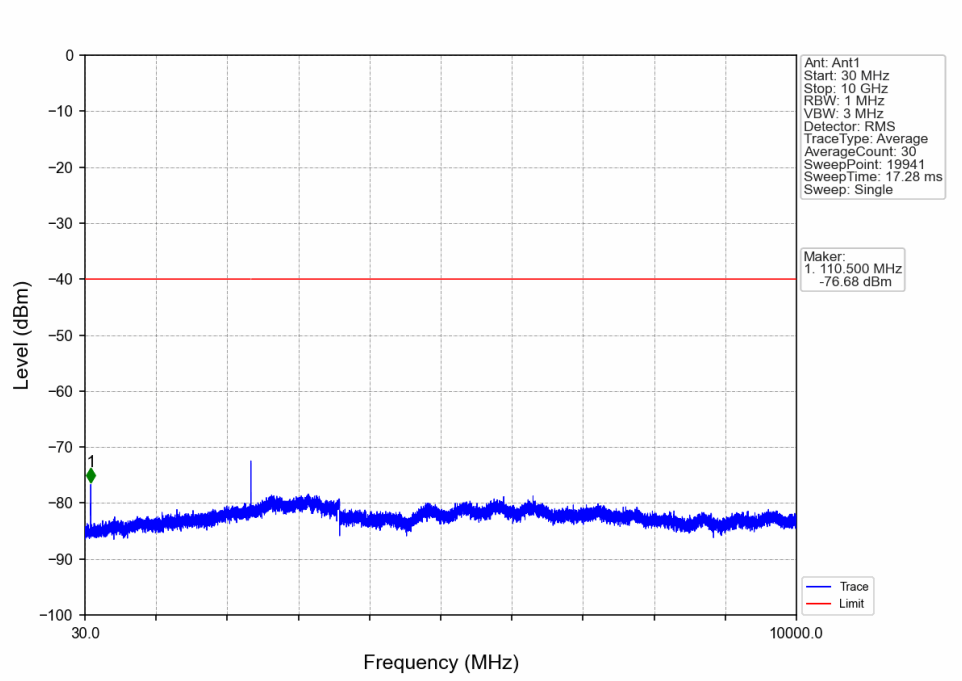
Band40b_5MHz_QPSK_MCH_2355MHz_RB_1_0_NTNV



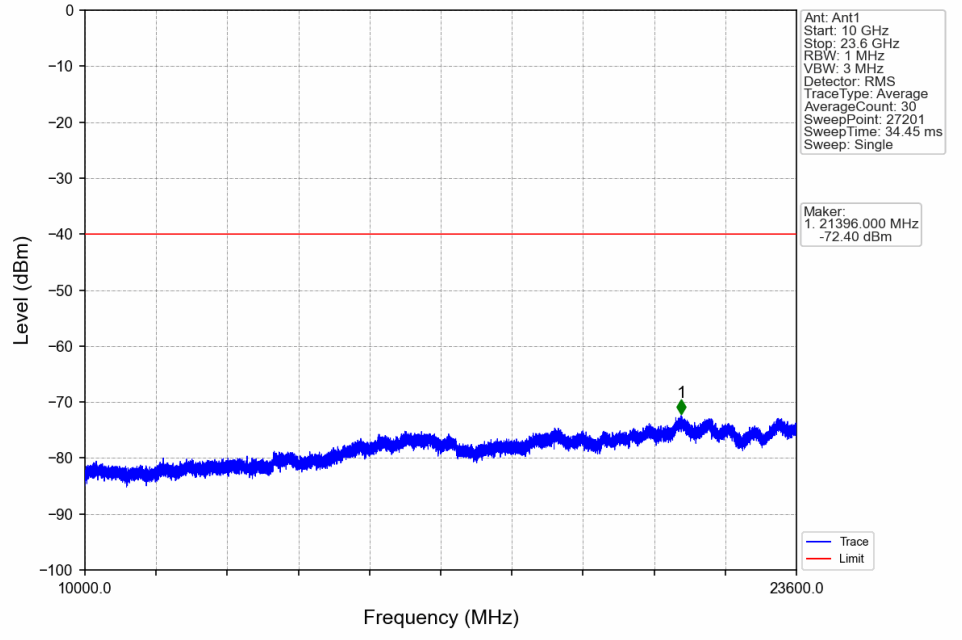

Band40b_5MHz_QPSK_MCH_2355MHz_RB_1_0_NTNV



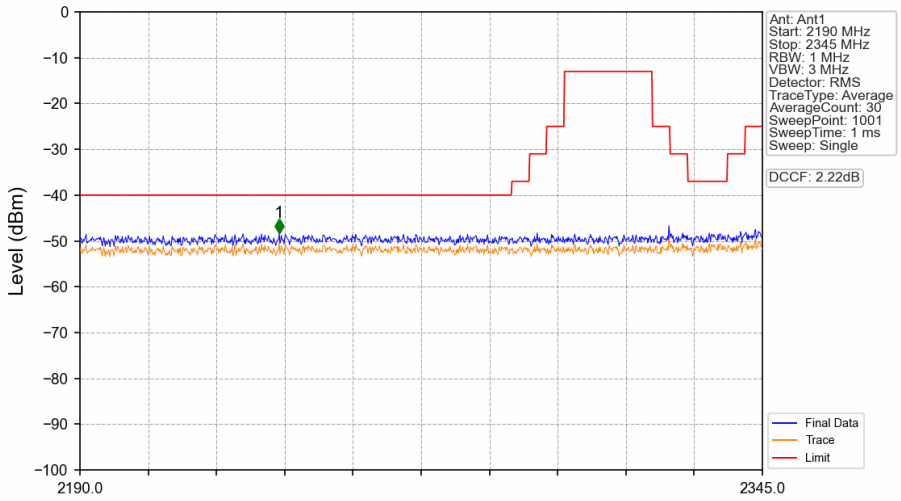
Band40b_5MHz_QPSK_HCH_2357.5MHz_RB_1_0_NTNV




Band40b_5MHz_QPSK_HCH_2357.5MHz_RB_1_0_NTNV

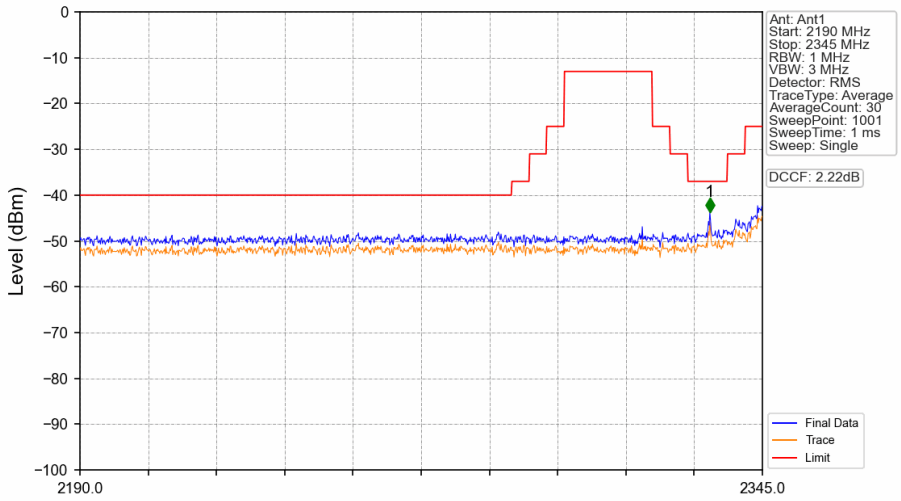


Band40b_5MHz_QPSK_HCH_2357.5MHz_RB_1_24_NTNV



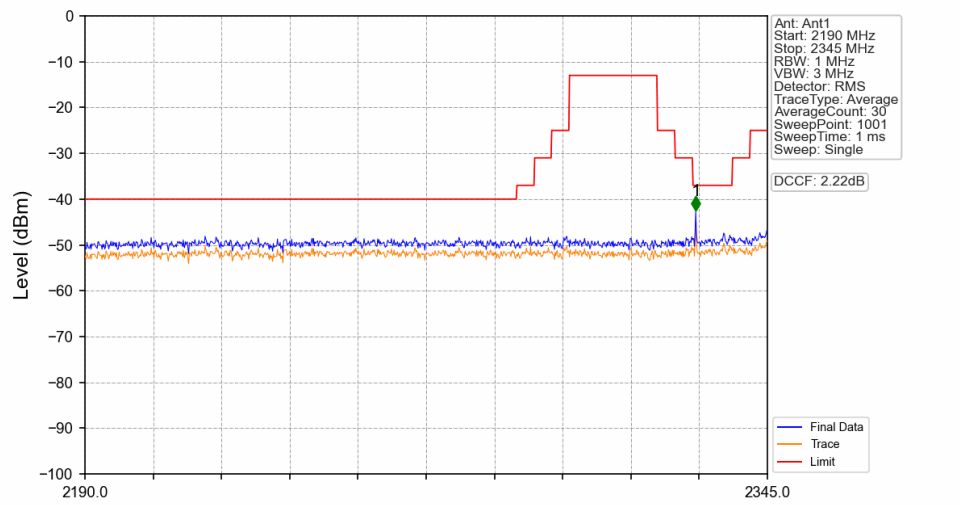

| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 2190 | 2345 | 1 | / | 1 | 2235.260 | -48.25 | -40 | Pass |

Band40b_5MHz_QPSK_HCH_2357.5MHz_RB_25_0_NTNV



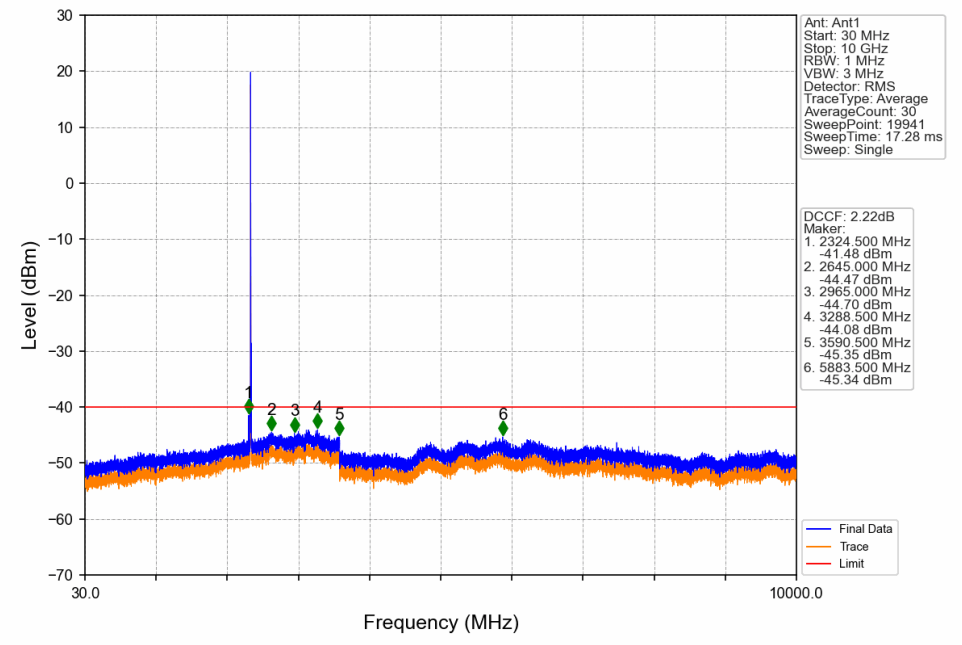

| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 2190 | 2345 | 1 | / | 1 | 2333.065 | -43.65 | -37 | Pass |

Band40b_5MHz_16QAM_LCH_2352.5MHz_RB_1_0_NTNV

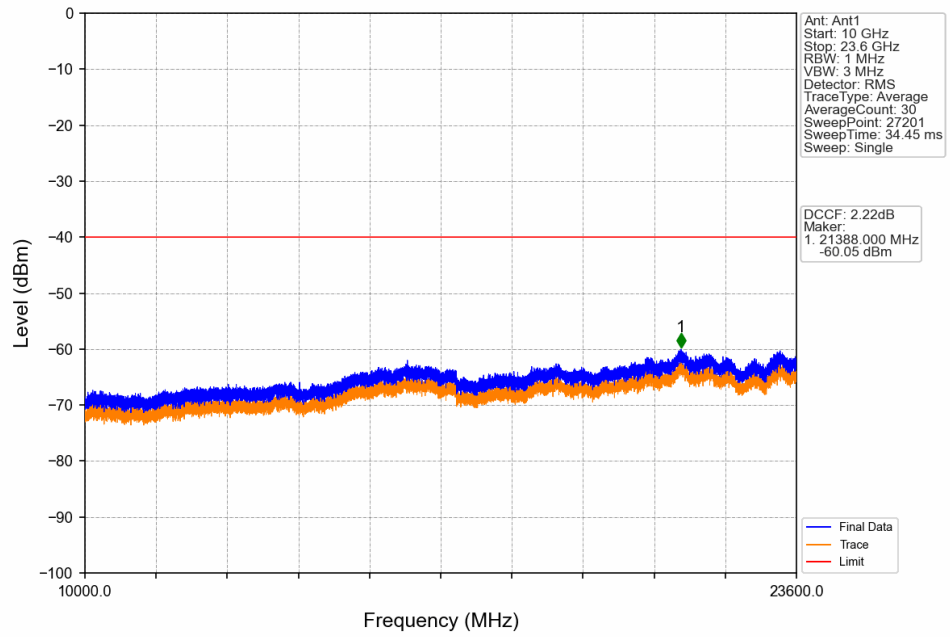



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 2190 | 2345 | 1 | / | 1 | 2328.725 | -42.50 | -37 | Pass |

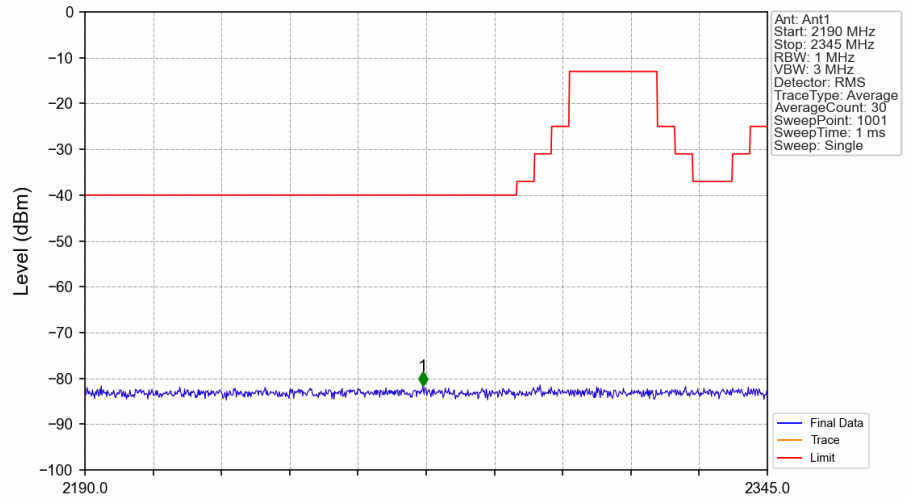
Band40b_5MHz_16QAM_LCH_2352.5MHz_RB_1_0_NTNV



Band40b_5MHz_16QAM_LCH_2352.5MHz_RB_1_0_NTNV

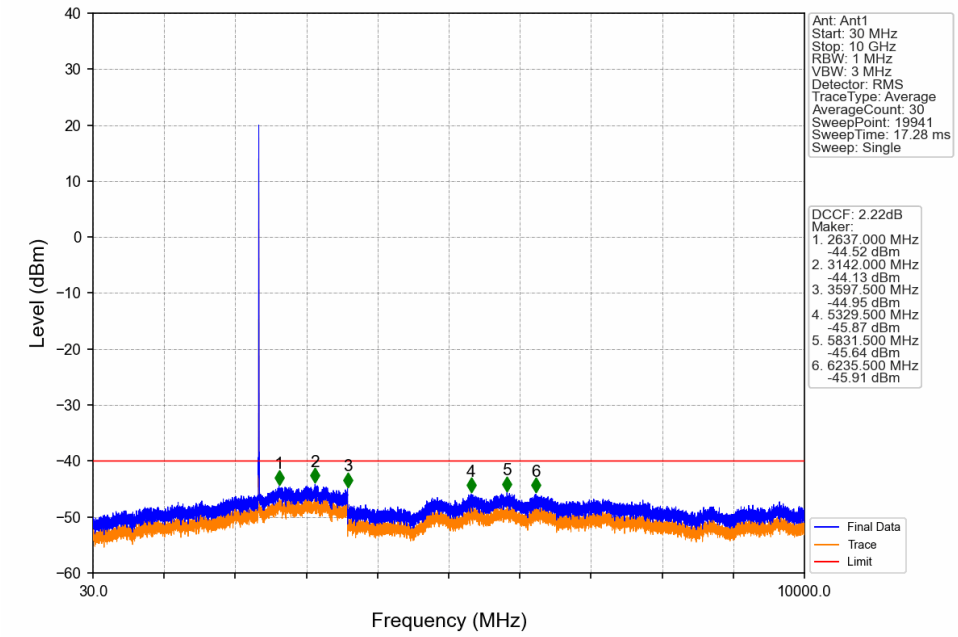



Band40b_5MHz_16QAM_LCH_2352.5MHz_RB_25_0_NTNV

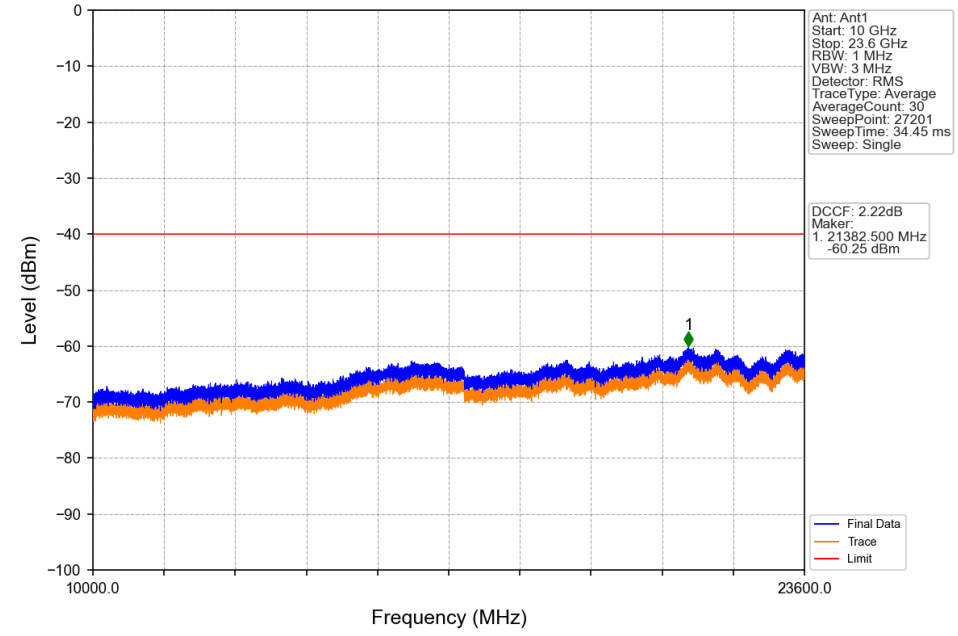



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 2190 | 2345 | 1 | / | 1 | 2266.725 | -81.64 | -40 | Pass |

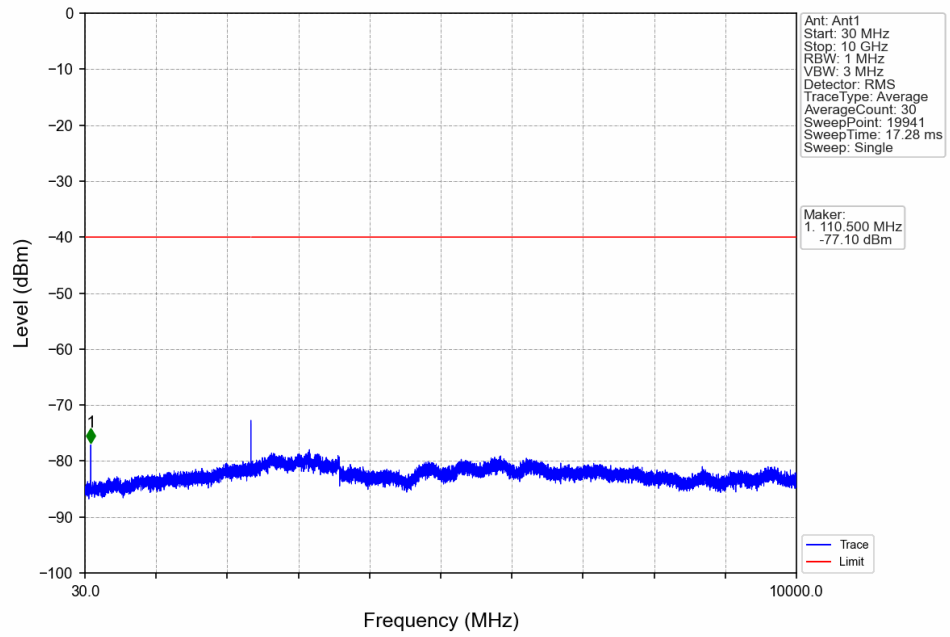
Band40b_5MHz_16QAM_MCH_2355MHz_RB_1_0_NTNV



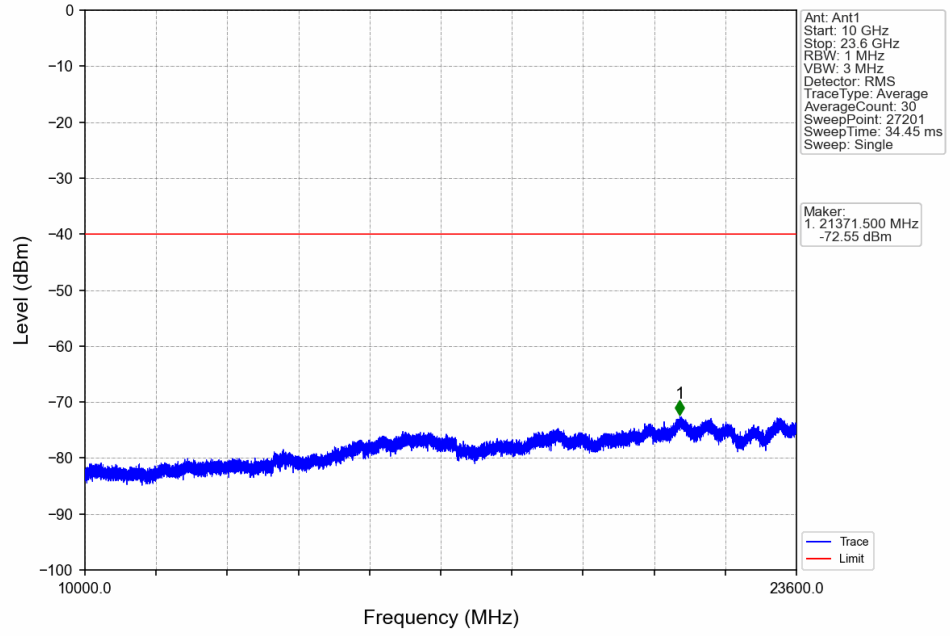

Band40b_5MHz_16QAM_MCH_2355MHz_RB_1_0_NTNV



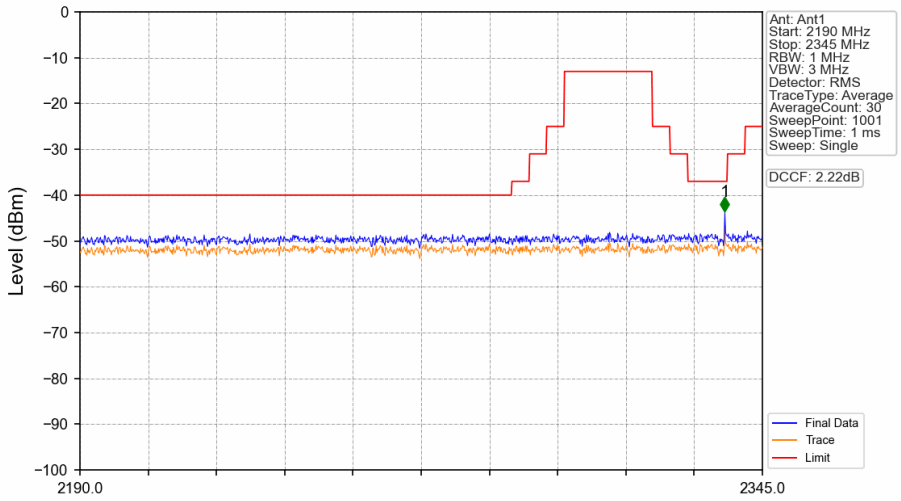
Band40b_5MHz_16QAM_HCH_2357.5MHz_RB_1_0_NTNV




Band40b_5MHz_16QAM_HCH_2357.5MHz_RB_1_0_NTNV

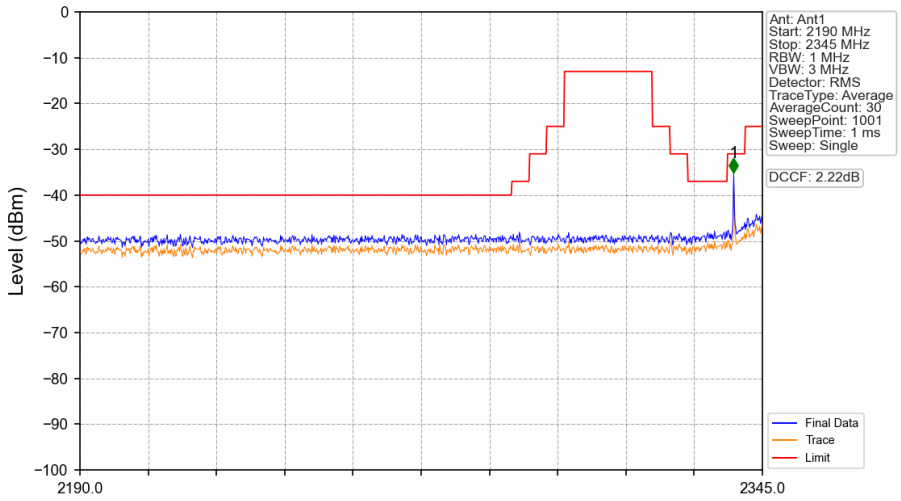


Band40b_5MHz_16QAM_HCH_2357.5MHz_RB_1_24_NTNV




| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 2190 | 2345 | 1 | / | 1 | 2336.475 | -43.64 | -37 | Pass |

Band40b_5MHz_16QAM_HCH_2357.5MHz_RB_25_0_NTNV




| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 2190 | 2345 | 1 | / | 1 | 2338.490 | -35.13 | -31 | Pass |

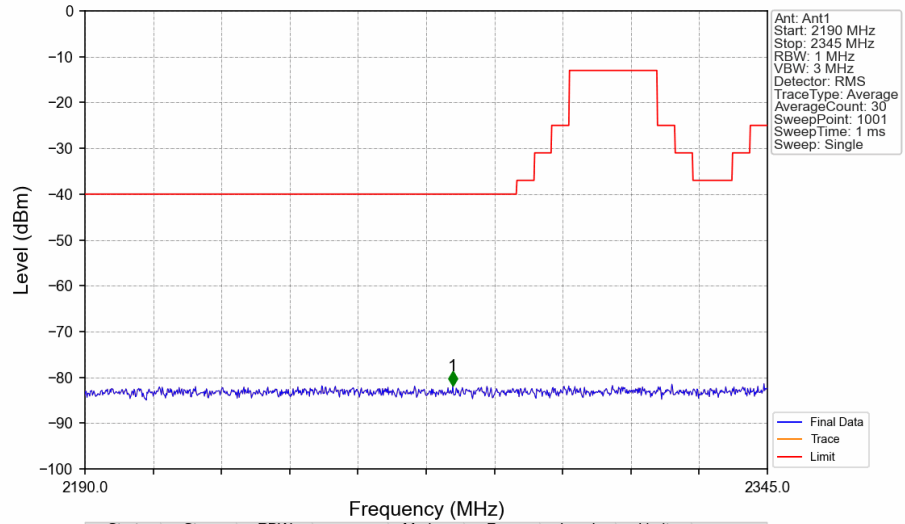
## 6.2 B40b_10MHz

### 6.2.1 Test Result

| Band: 40b / Bandwidth: 10MHz / NTNV | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Spurious Emission | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 2355 | 1 | 0 | Refer To Test Graph | | Pass |
| | | | 49 | Refer To Test Graph | | Pass |
| | | 50 | 0 | Refer To Test Graph | | Pass |
| 16QAM | 2355 | 1 | 0 | Refer To Test Graph | | Pass |
| | | | 49 | Refer To Test Graph | | Pass |
| | | 50 | 0 | Refer To Test Graph | | Pass |

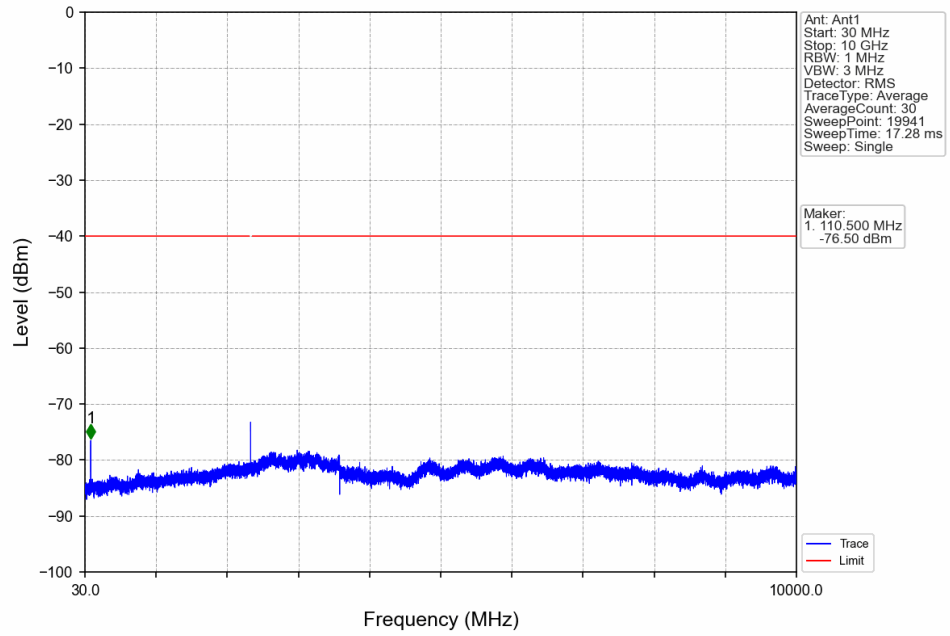
## 6.2.2 Test Graph

Band40b_10MHz_QPSK_MCH_2355MHz_RB_1_0_NTNV

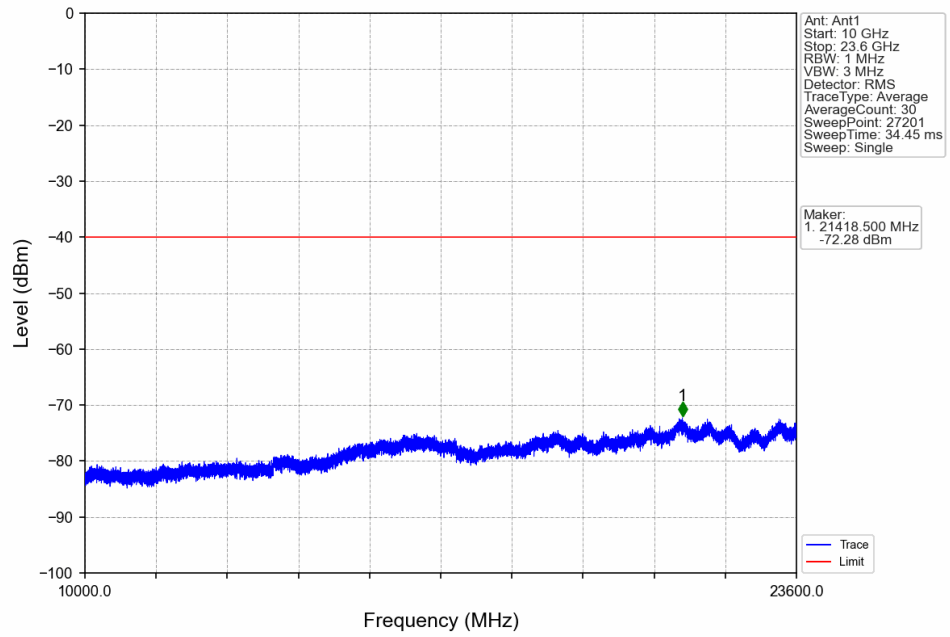



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 2190 | 2345 | 1 | / | 1 | 2273.545 | -81.81 | -40 | Pass |

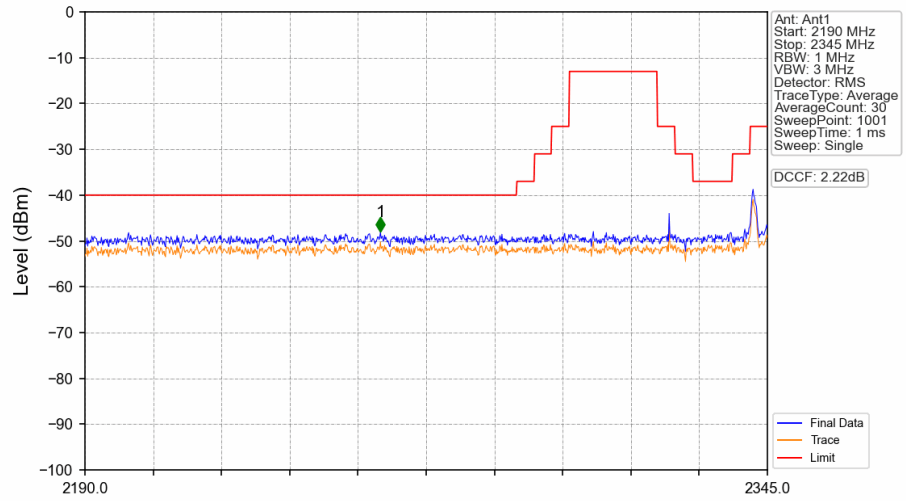
Band40b_10MHz_QPSK_MCH_2355MHz_RB_1_0_NTNV



Band40b_10MHz_QPSK_MCH_2355MHz_RB_1_0_NTNV

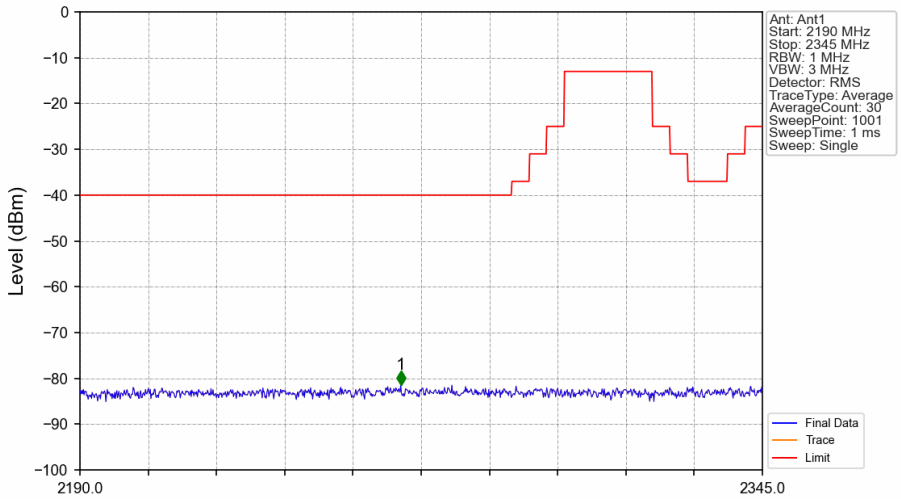



Band40b_10MHz_QPSK_MCH_2355MHz_RB_1_49_NTNV



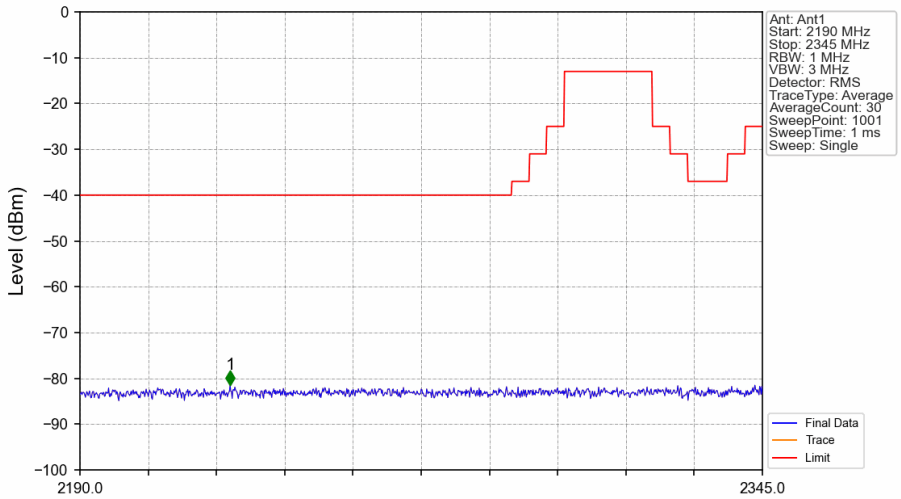

| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 2190 | 2345 | 1 | / | 1 | 2257.115 | -48.04 | -40 | Pass |

Band40b_10MHz_QPSK_MCH_2355MHz_RB_50_0_NTNV



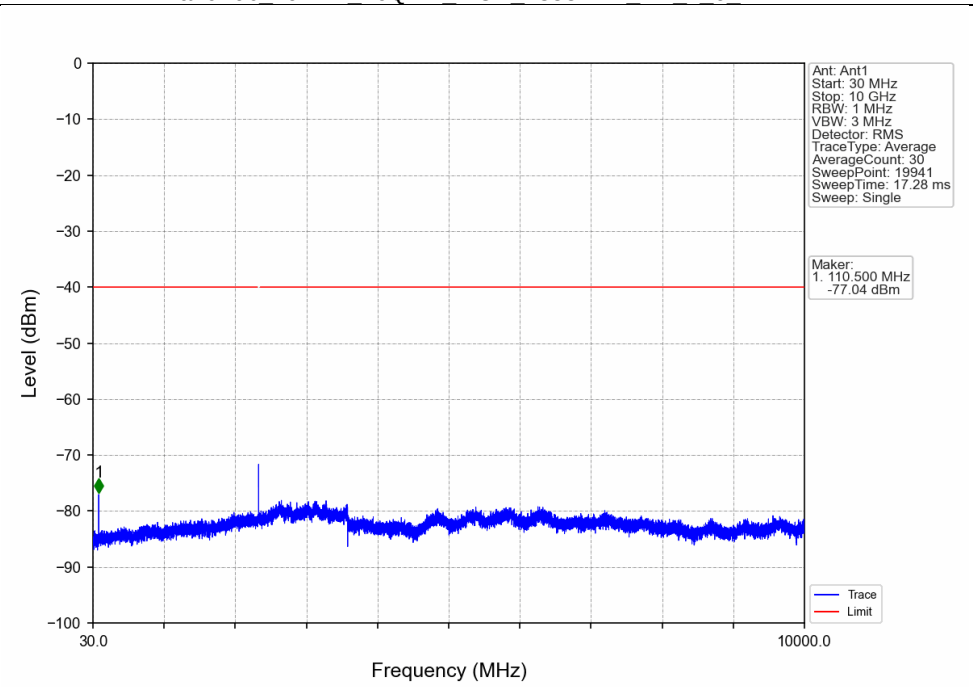

| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 2190 | 2345 | 1 | / | 1 | 2262.850 | -81.41 | -40 | Pass |

Band40b_10MHz_16QAM_MCH_2355MHz_RB_1_0_NTNV

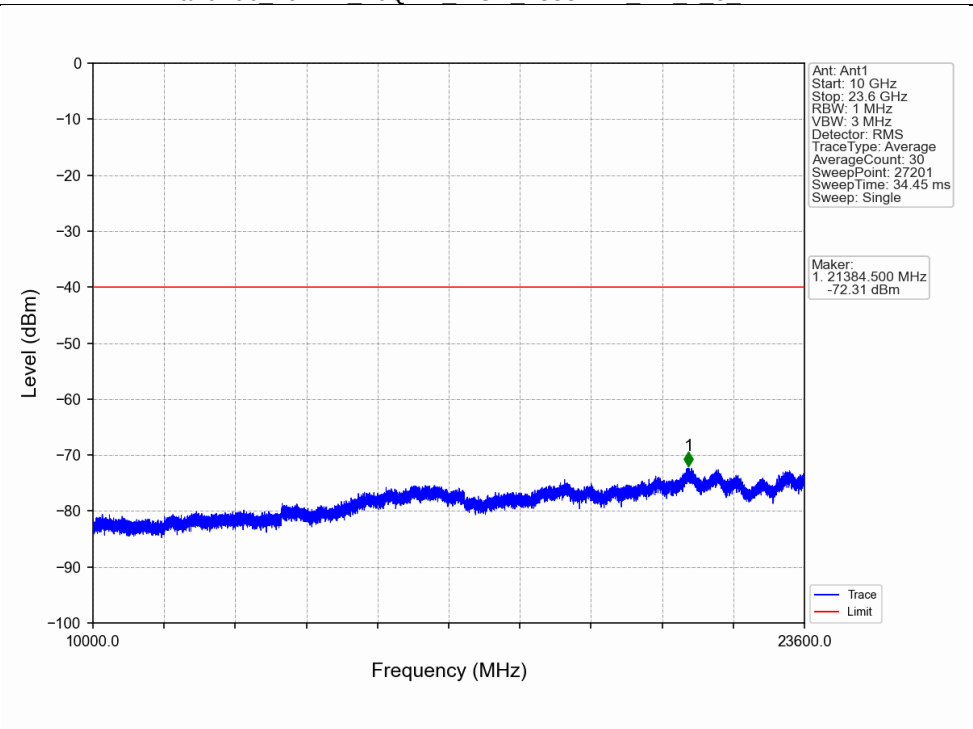



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 2190 | 2345 | 1 | / | 1 | 2224.100 | -81.40 | -40 | Pass |

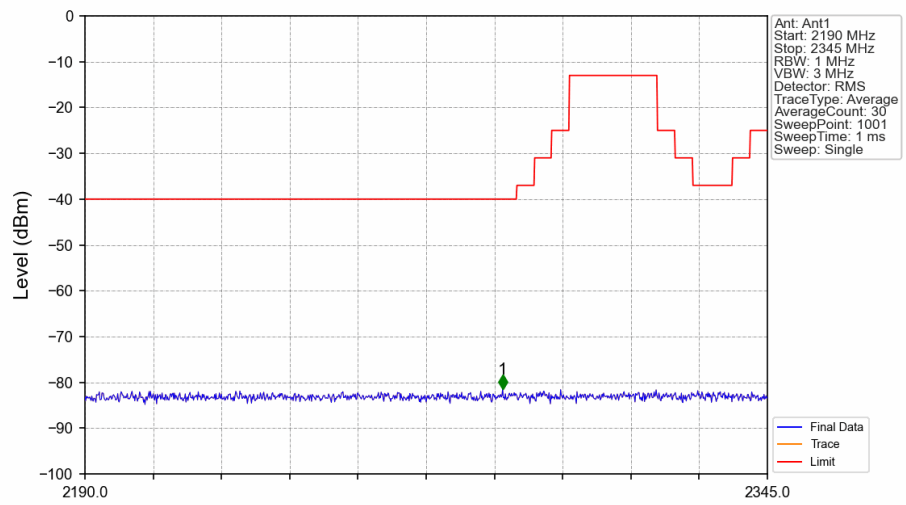
Band40b_10MHz_16QAM_MCH_2355MHz_RB_1_0_NTNV




Band40b_10MHz_16QAM_MCH_2355MHz_RB_1_0_NTNV

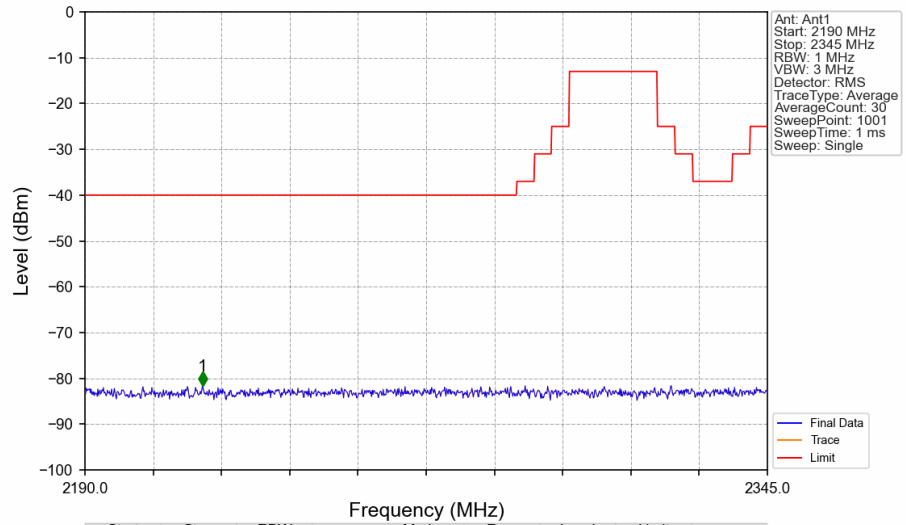


Band40b_10MHz_16QAM_MCH_2355MHz_RB_1_49_NTNV




| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 2190 | 2345 | 1 | / | 1 | 2284.860 | -81.43 | -40 | Pass |

Band40b_10MHz_16QAM_MCH_2355MHz_RB_50_0_NTNV




| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 2190 | 2345 | 1 | / | 1 | 2216.660 | -81.71 | -40 | Pass |

# 7. Form731

## 7.1 Form731_Power

### 7.1.1 Test Result

| Band | BW | Lower Freq | High Freq | MAX Power (W) | Value | Hz/ppm | Emission Designator | Rule Parts | MAX Power (dBm) |
|---|---|---|---|---|---|---|---|---|---|
| 40b | 5 | 2352.5 | 2357.5 | 0.1384 | 0.0191 | ppm | 4M56G7D | / | 21.41 |
| 40b | 5 | 2352.5 | 2357.5 | 0.1384 | 0.0204 | ppm | 4M59W7D | / | 21.41 |
| 40b | 10 | 2355 | 2355 | 0.1393 | 0.0184 | ppm | 9M09G7D | / | 21.44 |
| 40b | 10 | 2355 | 2355 | 0.1306 | 0.0208 | ppm | 9M06W7D | / | 21.16 |

## 7.2 Form731_EIRP

### 7.2.1 Test Result

| Band | BW | Lower Freq | High Freq | MAX Power (W) | Value | Hz/ppm | Emission Designator | Rule Parts | MAX Power (dBm) |
|---|---|---|---|---|---|---|---|---|---|
| 40b | 5 | 2352.5 | 2357.5 | 0.1435 | 0.0191 | ppm | 4M56G7D | / | 21.57 |
| 40b | 5 | 2352.5 | 2357.5 | 0.1435 | 0.0204 | ppm | 4M59W7D | / | 21.57 |
| 40b | 10 | 2355 | 2355 | 0.1445 | 0.0184 | ppm | 9M09G7D | / | 21.60 |
| 40b | 10 | 2355 | 2355 | 0.1355 | 0.0208 | ppm | 9M06W7D | / | 21.32 |