# 1. Effective (Isotropic) Radiated Power Output Data

## 1.1 B41_5MHz_EIRP

### 1.1.1 Test Result

| Band: 41 / Bandwidth: 5MHz / NTNV | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Conducted Power (dBm) | Gain (dBi) | EIRP (dBm) | | Verdict |
| | | Size | Offset | | | Result | Limit | |
| QPSK | 2552.5 | 1 | 0 | 22.52 | -0.17 | 22.35 | <=33.01 | Pass |
| | | | 13 | 22.49 | -0.17 | 22.32 | <=33.01 | Pass |
| | | | 24 | 22.35 | -0.17 | 22.18 | <=33.01 | Pass |
| | | 12 | 0 | 21.37 | -0.17 | 21.20 | <=33.01 | Pass |
| | | | 6 | 21.33 | -0.17 | 21.16 | <=33.01 | Pass |
| | | | 13 | 21.34 | -0.17 | 21.17 | <=33.01 | Pass |
| | | 25 | 0 | 21.38 | -0.17 | 21.21 | <=33.01 | Pass |
| | 2600 | 1 | 0 | 22.70 | -0.17 | 22.53 | <=33.01 | Pass |
| | | | 13 | 22.73 | -0.17 | 22.56 | <=33.01 | Pass |
| | | | 24 | 22.56 | -0.17 | 22.39 | <=33.01 | Pass |
| | | 12 | 0 | 21.70 | -0.17 | 21.53 | <=33.01 | Pass |
| | | | 6 | 21.74 | -0.17 | 21.57 | <=33.01 | Pass |
| | | | 13 | 21.69 | -0.17 | 21.52 | <=33.01 | Pass |
| | | 25 | 0 | 21.78 | -0.17 | 21.61 | <=33.01 | Pass |
| | 2647.5 | 1 | 0 | 23.15 | -0.17 | 22.98 | <=33.01 | Pass |
| | | | 13 | 23.33 | -0.17 | 23.16 | <=33.01 | Pass |
| | | | 24 | 23.31 | -0.17 | 23.14 | <=33.01 | Pass |
| | | 12 | 0 | 22.29 | -0.17 | 22.12 | <=33.01 | Pass |
| | | | 6 | 22.33 | -0.17 | 22.16 | <=33.01 | Pass |
| | | | 13 | 22.26 | -0.17 | 22.09 | <=33.01 | Pass |
| | | 25 | 0 | 22.40 | -0.17 | 22.23 | <=33.01 | Pass |
| 16QAM | 2552.5 | 1 | 0 | 21.24 | -0.17 | 21.07 | <=33.01 | Pass |
| | | | 13 | 21.43 | -0.17 | 21.26 | <=33.01 | Pass |
| | | | 24 | 21.31 | -0.17 | 21.14 | <=33.01 | Pass |
| | | 12 | 0 | 20.32 | -0.17 | 20.15 | <=33.01 | Pass |
| | | | 6 | 20.34 | -0.17 | 20.17 | <=33.01 | Pass |
| | | | 13 | 20.36 | -0.17 | 20.19 | <=33.01 | Pass |
| | | 25 | 0 | 20.42 | -0.17 | 20.25 | <=33.01 | Pass |
| | 2600 | 1 | 0 | 21.82 | -0.17 | 21.65 | <=33.01 | Pass |
| | | | 13 | 21.75 | -0.17 | 21.58 | <=33.01 | Pass |
| | | | 24 | 21.87 | -0.17 | 21.70 | <=33.01 | Pass |
| | | 12 | 0 | 20.72 | -0.17 | 20.55 | <=33.01 | Pass |
| | | | 6 | 20.79 | -0.17 | 20.62 | <=33.01 | Pass |
| | | | 13 | 20.72 | -0.17 | 20.55 | <=33.01 | Pass |
| | | 25 | 0 | 21.18 | -0.17 | 21.01 | <=33.01 | Pass |
| | 2647.5 | 1 | 0 | 22.37 | -0.17 | 22.20 | <=33.01 | Pass |
| | | | 13 | 22.11 | -0.17 | 21.94 | <=33.01 | Pass |
| | | | 24 | 22.50 | -0.17 | 22.33 | <=33.01 | Pass |
| | | 12 | 0 | 21.29 | -0.17 | 21.12 | <=33.01 | Pass |
| | | | 6 | 21.32 | -0.17 | 21.15 | <=33.01 | Pass |
| | | | 13 | 21.25 | -0.17 | 21.08 | <=33.01 | Pass |
| | | 25 | 0 | 21.34 | -0.17 | 21.17 | <=33.01 | Pass |
| Note1: EIRP=Conducted Power+Antenna Gain | | | | | | | | |

## 1.2 B41_10MHz_EIRP

### 1.2.1 Test Result

| Band: 41 / Bandwidth: 10MHz / NTNV | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Conducted Power (dBm) | Gain (dBi) | EIRP (dBm) | | Verdict |
| | | Size | Offset | | | Result | Limit | |
| QPSK | 2555 | 1 | 0 | 22.38 | -0.17 | 22.21 | <=33.01 | Pass |
| | | | 25 | 22.72 | -0.17 | 22.55 | <=33.01 | Pass |
| | | | 49 | 22.51 | -0.17 | 22.34 | <=33.01 | Pass |
| | | 25 | 0 | 21.48 | -0.17 | 21.31 | <=33.01 | Pass |
| | | | 13 | 21.51 | -0.17 | 21.34 | <=33.01 | Pass |
| | | | 25 | 21.54 | -0.17 | 21.37 | <=33.01 | Pass |
| | | 50 | 0 | 21.47 | -0.17 | 21.30 | <=33.01 | Pass |
| | 2600 | 1 | 0 | 22.74 | -0.17 | 22.57 | <=33.01 | Pass |
| | | | 25 | 23.06 | -0.17 | 22.89 | <=33.01 | Pass |
| | | | 49 | 22.76 | -0.17 | 22.59 | <=33.01 | Pass |
| | | 25 | 0 | 21.86 | -0.17 | 21.69 | <=33.01 | Pass |
| | | | 13 | 21.86 | -0.17 | 21.69 | <=33.01 | Pass |
| | | | 25 | 21.79 | -0.17 | 21.62 | <=33.01 | Pass |
| | | 50 | 0 | 21.76 | -0.17 | 21.59 | <=33.01 | Pass |
| | 2645 | 1 | 0 | 23.28 | -0.17 | 23.11 | <=33.01 | Pass |
| | | | 25 | 23.60 | -0.17 | 23.43 | <=33.01 | Pass |
| | | | 49 | 23.38 | -0.17 | 23.21 | <=33.01 | Pass |
| | | 25 | 0 | 22.49 | -0.17 | 22.32 | <=33.01 | Pass |
| | | | 13 | 22.43 | -0.17 | 22.26 | <=33.01 | Pass |
| | | | 25 | 22.35 | -0.17 | 22.18 | <=33.01 | Pass |
| | | 50 | 0 | 22.41 | -0.17 | 22.24 | <=33.01 | Pass |
| 16QAM | 2555 | 1 | 0 | 21.33 | -0.17 | 21.16 | <=33.01 | Pass |
| | | | 25 | 21.81 | -0.17 | 21.64 | <=33.01 | Pass |
| | | | 49 | 21.20 | -0.17 | 21.03 | <=33.01 | Pass |
| | | 25 | 0 | 20.50 | -0.17 | 20.33 | <=33.01 | Pass |
| | | | 13 | 20.59 | -0.17 | 20.42 | <=33.01 | Pass |
| | | | 25 | 20.47 | -0.17 | 20.30 | <=33.01 | Pass |
| | | 50 | 0 | 20.44 | -0.17 | 20.27 | <=33.01 | Pass |
| | 2600 | 1 | 0 | 21.55 | -0.17 | 21.38 | <=33.01 | Pass |
| | | | 25 | 21.87 | -0.17 | 21.70 | <=33.01 | Pass |
| | | | 49 | 21.57 | -0.17 | 21.40 | <=33.01 | Pass |
| | | 25 | 0 | 20.82 | -0.17 | 20.65 | <=33.01 | Pass |
| | | | 13 | 20.86 | -0.17 | 20.69 | <=33.01 | Pass |
| | | | 25 | 20.77 | -0.17 | 20.60 | <=33.01 | Pass |
| | | 50 | 0 | 20.72 | -0.17 | 20.55 | <=33.01 | Pass |
| | 2645 | 1 | 0 | 22.37 | -0.17 | 22.20 | <=33.01 | Pass |
| | | | 25 | 22.62 | -0.17 | 22.45 | <=33.01 | Pass |
| | | | 49 | 22.44 | -0.17 | 22.27 | <=33.01 | Pass |
| | | 25 | 0 | 21.33 | -0.17 | 21.16 | <=33.01 | Pass |
| | | | 13 | 21.45 | -0.17 | 21.28 | <=33.01 | Pass |
| | | | 25 | 21.34 | -0.17 | 21.17 | <=33.01 | Pass |
| | | 50 | 0 | 21.38 | -0.17 | 21.21 | <=33.01 | Pass |
| Note1: EIRP=Conducted Power+Antenna Gain | | | | | | | | |

## 1.3 B41_15MHz_EIRP

### 1.3.1 Test Result

| Band: 41 / Bandwidth: 15MHz / NTNV |
|---|

| Modulation | Frequency (MHz) | RB Allocation | | Conducted Power (dBm) | Gain (dBi) | EIRP (dBm) | | Verdict |
|---|---|---|---|---|---|---|---|---|
| | | Size | Offset | | | Result | Limit | |
| QPSK | 2557.5 | 1 | 0 | 22.18 | -0.17 | 22.01 | <=33.01 | Pass |
| | | | 38 | 22.47 | -0.17 | 22.30 | <=33.01 | Pass |
| | | | 74 | 22.29 | -0.17 | 22.12 | <=33.01 | Pass |
| | | 36 | 0 | 21.52 | -0.17 | 21.35 | <=33.01 | Pass |
| | | | 18 | 21.52 | -0.17 | 21.35 | <=33.01 | Pass |
| | | | 39 | 21.46 | -0.17 | 21.29 | <=33.01 | Pass |
| | | 75 | 0 | 21.54 | -0.17 | 21.37 | <=33.01 | Pass |
| | 2600 | 1 | 0 | 22.64 | -0.17 | 22.47 | <=33.01 | Pass |
| | | | 38 | 22.79 | -0.17 | 22.62 | <=33.01 | Pass |
| | | | 74 | 22.58 | -0.17 | 22.41 | <=33.01 | Pass |
| | | 36 | 0 | 21.79 | -0.17 | 21.62 | <=33.01 | Pass |
| | | | 18 | 21.85 | -0.17 | 21.68 | <=33.01 | Pass |
| | | | 39 | 21.69 | -0.17 | 21.52 | <=33.01 | Pass |
| | | 75 | 0 | 21.82 | -0.17 | 21.65 | <=33.01 | Pass |
| | 2642.5 | 1 | 0 | 23.08 | -0.17 | 22.91 | <=33.01 | Pass |
| | | | 38 | 23.39 | -0.17 | 23.22 | <=33.01 | Pass |
| | | | 74 | 23.22 | -0.17 | 23.05 | <=33.01 | Pass |
| | | 36 | 0 | 22.35 | -0.17 | 22.18 | <=33.01 | Pass |
| | | | 18 | 22.38 | -0.17 | 22.21 | <=33.01 | Pass |
| | | | 39 | 22.36 | -0.17 | 22.19 | <=33.01 | Pass |
| | | 75 | 0 | 22.39 | -0.17 | 22.22 | <=33.01 | Pass |
| 16QAM | 2557.5 | 1 | 0 | 20.93 | -0.17 | 20.76 | <=33.01 | Pass |
| | | | 38 | 21.51 | -0.17 | 21.34 | <=33.01 | Pass |
| | | | 74 | 21.35 | -0.17 | 21.18 | <=33.01 | Pass |
| | | 36 | 0 | 20.43 | -0.17 | 20.26 | <=33.01 | Pass |
| | | | 18 | 20.56 | -0.17 | 20.39 | <=33.01 | Pass |
| | | | 39 | 20.62 | -0.17 | 20.45 | <=33.01 | Pass |
| | | 75 | 0 | 20.47 | -0.17 | 20.30 | <=33.01 | Pass |
| | 2600 | 1 | 0 | 21.47 | -0.17 | 21.30 | <=33.01 | Pass |
| | | | 38 | 21.63 | -0.17 | 21.46 | <=33.01 | Pass |
| | | | 74 | 21.30 | -0.17 | 21.13 | <=33.01 | Pass |
| | | 36 | 0 | 20.65 | -0.17 | 20.48 | <=33.01 | Pass |
| | | | 18 | 20.84 | -0.17 | 20.67 | <=33.01 | Pass |
| | | | 39 | 20.71 | -0.17 | 20.54 | <=33.01 | Pass |
| | | 75 | 0 | 20.69 | -0.17 | 20.52 | <=33.01 | Pass |
| | 2642.5 | 1 | 0 | 22.17 | -0.17 | 22.00 | <=33.01 | Pass |
| | | | 38 | 22.44 | -0.17 | 22.27 | <=33.01 | Pass |
| | | | 74 | 22.13 | -0.17 | 21.96 | <=33.01 | Pass |
| | | 36 | 0 | 21.36 | -0.17 | 21.19 | <=33.01 | Pass |
| | | | 18 | 21.37 | -0.17 | 21.20 | <=33.01 | Pass |
| | | | 39 | 21.30 | -0.17 | 21.13 | <=33.01 | Pass |
| | | 75 | 0 | 21.32 | -0.17 | 21.15 | <=33.01 | Pass |
| Note1: EIRP=Conducted Power+Antenna Gain | | | | | | | | |

## 1.4 B41_20MHz_EIRP

### 1.4.1 Test Result

| Band: 41 / Bandwidth: 20MHz / NTNV | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Conducted Power (dBm) | Gain (dBi) | EIRP (dBm) | | Verdict |
| | | Size | Offset | | | Result | Limit | |
| QPSK | 2560 | 1 | 0 | 22.14 | -0.17 | 21.97 | <=33.01 | Pass |
| | | | 50 | 22.62 | -0.17 | 22.45 | <=33.01 | Pass |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | 99 | 22.23 | -0.17 | 22.06 | <=33.01 | Pass |
| | | 50 | 0 | 21.47 | -0.17 | 21.30 | <=33.01 | Pass |
| | | | 25 | 21.47 | -0.17 | 21.30 | <=33.01 | Pass |
| | | | 50 | 21.58 | -0.17 | 21.41 | <=33.01 | Pass |
| | | 100 | 0 | 21.47 | -0.17 | 21.30 | <=33.01 | Pass |
| | 2600 | 1 | 0 | 22.34 | -0.17 | 22.17 | <=33.01 | Pass |
| | | | 50 | 22.96 | -0.17 | 22.79 | <=33.01 | Pass |
| | | | 99 | 22.35 | -0.17 | 22.18 | <=33.01 | Pass |
| | | 50 | 0 | 21.78 | -0.17 | 21.61 | <=33.01 | Pass |
| | | | 25 | 21.75 | -0.17 | 21.58 | <=33.01 | Pass |
| | | | 50 | 21.66 | -0.17 | 21.49 | <=33.01 | Pass |
| | | 100 | 0 | 21.71 | -0.17 | 21.54 | <=33.01 | Pass |
| | 2640 | 1 | 0 | 22.81 | -0.17 | 22.64 | <=33.01 | Pass |
| | | | 50 | 23.35 | -0.17 | 23.18 | <=33.01 | Pass |
| | | | 99 | 23.07 | -0.17 | 22.90 | <=33.01 | Pass |
| | | 50 | 0 | 22.26 | -0.17 | 22.09 | <=33.01 | Pass |
| | | | 25 | 22.26 | -0.17 | 22.09 | <=33.01 | Pass |
| | | | 50 | 22.19 | -0.17 | 22.02 | <=33.01 | Pass |
| | | 100 | 0 | 22.26 | -0.17 | 22.09 | <=33.01 | Pass |
| 16QAM | 2560 | 1 | 0 | 21.06 | -0.17 | 20.89 | <=33.01 | Pass |
| | | | 50 | 21.23 | -0.17 | 21.06 | <=33.01 | Pass |
| | | | 99 | 20.83 | -0.17 | 20.66 | <=33.01 | Pass |
| | | 50 | 0 | 20.39 | -0.17 | 20.22 | <=33.01 | Pass |
| | | | 25 | 20.57 | -0.17 | 20.40 | <=33.01 | Pass |
| | | | 50 | 20.52 | -0.17 | 20.35 | <=33.01 | Pass |
| | | 100 | 0 | 20.43 | -0.17 | 20.26 | <=33.01 | Pass |
| | 2600 | 1 | 0 | 21.15 | -0.17 | 20.98 | <=33.01 | Pass |
| | | | 50 | 21.60 | -0.17 | 21.43 | <=33.01 | Pass |
| | | | 99 | 21.09 | -0.17 | 20.92 | <=33.01 | Pass |
| | | 50 | 0 | 20.80 | -0.17 | 20.63 | <=33.01 | Pass |
| | | | 25 | 20.79 | -0.17 | 20.62 | <=33.01 | Pass |
| | | | 50 | 20.62 | -0.17 | 20.45 | <=33.01 | Pass |
| | | 100 | 0 | 20.63 | -0.17 | 20.46 | <=33.01 | Pass |
| | 2640 | 1 | 0 | 21.74 | -0.17 | 21.57 | <=33.01 | Pass |
| | | | 50 | 22.40 | -0.17 | 22.23 | <=33.01 | Pass |
| | | | 99 | 22.01 | -0.17 | 21.84 | <=33.01 | Pass |
| | | 50 | 0 | 21.28 | -0.17 | 21.11 | <=33.01 | Pass |
| | | | 25 | 21.30 | -0.17 | 21.13 | <=33.01 | Pass |
| | | | 50 | 21.11 | -0.17 | 20.94 | <=33.01 | Pass |
| | | 100 | 0 | 21.25 | -0.17 | 21.08 | <=33.01 | Pass |
| Note1: EIRP=Conducted Power+Antenna Gain | | | | | | | | |

# 2. Frequency Stability

## 2.1 B41_5MHz

### 2.1.1 Test Result

| Band: 41 / Bandwidth: 5MHz | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) | | Verdict |
| | | Size | Offset | | | | Result | Limit | |
| QPSK | 2552.5 | 25 | 0 | 20 | 3.27 | 4.892 | 0.0019 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | 24.962 | 0.0098 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | 29.597 | 0.0116 | -2.5 to 2.5 | Pass |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | -30 | 3.85 | -272.412 | -0.1067 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -746.312 | -0.2924 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -709.934 | -0.2781 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -669.694 | -0.2624 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -639.668 | -0.2506 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -627.594 | -0.2459 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -619.769 | -0.2428 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -621.886 | -0.2436 | -2.5 to 2.5 | Pass |
| | 2600 | 25 | 0 | 20 | 3.27 | -36.163 | -0.0139 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -42.286 | -0.0163 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -58.994 | -0.0227 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | 768.428 | 0.2955 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | 760.489 | 0.2925 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | 744.009 | 0.2862 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | 743.265 | 0.2859 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | 746.183 | 0.2870 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | 869.694 | 0.3345 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | 883.083 | 0.3396 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | 888.691 | 0.3418 | -2.5 to 2.5 | Pass |
| | 2647.5 | 25 | 0 | 20 | 3.27 | -5.980 | -0.0023 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | 19.040 | 0.0072 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | 57.321 | 0.0217 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | 128.488 | 0.0485 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | 187.655 | 0.0709 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | 174.294 | 0.0658 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | 155.382 | 0.0587 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | 129.619 | 0.0490 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | 125.842 | 0.0475 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | 100.679 | 0.0380 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | 86.231 | 0.0326 | -2.5 to 2.5 | Pass |
| 16QAM | 2552.5 | 25 | 0 | 20 | 3.27 | -634.532 | -0.2486 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -639.052 | -0.2504 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -648.909 | -0.2542 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -645.375 | -0.2528 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -664.601 | -0.2604 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -672.584 | -0.2635 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -678.506 | -0.2658 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -681.467 | -0.2670 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -696.931 | -0.2730 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -701.566 | -0.2749 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -704.355 | -0.2759 | -2.5 to 2.5 | Pass |
| | 2600 | 25 | 0 | 20 | 3.27 | 897.617 | 0.3452 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | 895.472 | 0.3444 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | 898.290 | 0.3455 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | 884.857 | 0.3403 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | 875.888 | 0.3369 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | 878.363 | 0.3378 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | 870.667 | 0.3349 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | 855.317 | 0.3290 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | 849.524 | 0.3267 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | 836.663 | 0.3218 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | 843.658 | 0.3245 | -2.5 to 2.5 | Pass |
| | 2647.5 | 25 | 0 | 20 | 3.27 | 62.928 | 0.0238 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | 55.532 | 0.0210 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | 44.947 | 0.0170 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | 39.139 | 0.0148 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | 34.747 | 0.0131 | -2.5 to 2.5 | Pass |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | -10 | 3.85 | 15.292 | 0.0058 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | 24.719 | 0.0093 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | 21.544 | 0.0081 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | 19.012 | 0.0072 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | 7.882 | 0.0030 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -6.223 | -0.0024 | -2.5 to 2.5 | Pass |

## 2.2 B41_10MHz

### 2.2.1 Test Result

| Band: 41 / Bandwidth: 10MHz | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) | | Verdict |
| | | Size | Offset | | | | Result | Limit | |
| QPSK | 2555 | 50 | 0 | 20 | 3.27 | -4.520 | -0.0018 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -3.605 | -0.0014 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | 3.190 | 0.0012 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | 4.706 | 0.0018 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | 6.452 | 0.0025 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | 2.732 | 0.0011 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -4.549 | -0.0018 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -3.362 | -0.0013 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | 2.861 | 0.0011 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -0.558 | -0.0002 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -4.764 | -0.0019 | -2.5 to 2.5 | Pass |
| | 2600 | 50 | 0 | 20 | 3.27 | -9.284 | -0.0036 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -3.891 | -0.0015 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | 0.501 | 0.0002 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -10.972 | -0.0042 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -11.287 | -0.0043 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -13.676 | -0.0053 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -2.003 | -0.0008 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -14.520 | -0.0056 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -7.868 | -0.0030 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | 2.174 | 0.0008 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -5.822 | -0.0022 | -2.5 to 2.5 | Pass |
| | 2645 | 50 | 0 | 20 | 3.27 | -6.866 | -0.0026 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | 1.402 | 0.0005 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | 4.549 | 0.0017 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | 5.493 | 0.0021 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | 1.788 | 0.0007 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | 5.450 | 0.0021 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | 1.273 | 0.0005 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -11.201 | -0.0042 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -10.443 | -0.0039 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -7.153 | -0.0027 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -9.556 | -0.0036 | -2.5 to 2.5 | Pass |
| 16QAM | 2555 | 50 | 0 | 20 | 3.27 | -1.101 | -0.0004 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | 4.249 | 0.0017 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -3.591 | -0.0014 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | 1.130 | 0.0004 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -2.260 | -0.0009 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -2.332 | -0.0009 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | 2.375 | 0.0009 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | 5.465 | 0.0021 | -2.5 to 2.5 | Pass |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | 30 | 3.85 | -5.565 | -0.0022 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -1.631 | -0.0006 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | 6.995 | 0.0027 | -2.5 to 2.5 | Pass |
| | 2600 | 50 | 0 | 20 | 3.27 | -8.655 | -0.0033 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -12.789 | -0.0049 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -16.580 | -0.0064 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -11.044 | -0.0042 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -9.441 | -0.0036 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -9.069 | -0.0035 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -4.163 | -0.0016 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -5.093 | -0.0020 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -9.170 | -0.0035 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -9.155 | -0.0035 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -2.160 | -0.0008 | -2.5 to 2.5 | Pass |
| | 2645 | 50 | 0 | 20 | 3.27 | -4.063 | -0.0015 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -6.695 | -0.0025 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -8.540 | -0.0032 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -7.782 | -0.0029 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -9.627 | -0.0036 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | 8.340 | 0.0032 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -1.645 | -0.0006 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -8.297 | -0.0031 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -3.705 | -0.0014 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -4.563 | -0.0017 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | 4.520 | 0.0017 | -2.5 to 2.5 | Pass |

## 2.3 B41_15MHz

### 2.3.1 Test Result

| Band: 41 / Bandwidth: 15MHz | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) | | Verdict |
| | | Size | Offset | | | | Result | Limit | |
| QPSK | 2557.5 | 75 | 0 | 20 | 3.27 | -3.333 | -0.0013 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | 0.973 | 0.0004 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | 8.712 | 0.0034 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | 5.422 | 0.0021 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | 0.887 | 0.0003 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | 0.329 | 0.0001 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | 4.020 | 0.0016 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -3.762 | -0.0015 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -4.592 | -0.0018 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -5.922 | -0.0023 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -4.592 | -0.0018 | -2.5 to 2.5 | Pass |
| | 2600 | 75 | 0 | 20 | 3.27 | -6.852 | -0.0026 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -10.629 | -0.0041 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -1.845 | -0.0007 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -6.580 | -0.0025 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -0.772 | -0.0003 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -4.735 | -0.0018 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -10.943 | -0.0042 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -10.915 | -0.0042 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -6.080 | -0.0023 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -13.618 | -0.0052 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | 5.422 | 0.0021 | -2.5 to 2.5 | Pass |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | 2642.5 | 75 | 0 | 20 | 3.27 | -6.924 | -0.0026 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -0.572 | -0.0002 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -8.655 | -0.0033 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | 2.618 | 0.0010 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | 3.533 | 0.0013 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | 2.747 | 0.0010 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -3.762 | -0.0014 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -16.837 | -0.0064 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -9.384 | -0.0036 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -7.396 | -0.0028 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -4.177 | -0.0016 | -2.5 to 2.5 | Pass |
| 16QAM | 2557.5 | 75 | 0 | 20 | 3.27 | -2.646 | -0.0010 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -1.073 | -0.0004 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | 9.670 | 0.0038 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -3.562 | -0.0014 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -10.428 | -0.0041 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -2.575 | -0.0010 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -8.683 | -0.0034 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | 2.975 | 0.0012 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -5.851 | -0.0023 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -10.028 | -0.0039 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -6.337 | -0.0025 | -2.5 to 2.5 | Pass |
| | 2600 | 75 | 0 | 20 | 3.27 | -8.054 | -0.0031 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -6.709 | -0.0026 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -3.018 | -0.0012 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -5.336 | -0.0021 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -2.360 | -0.0009 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -6.824 | -0.0026 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -11.830 | -0.0046 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -3.877 | -0.0015 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -8.426 | -0.0032 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -8.483 | -0.0033 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -6.065 | -0.0023 | -2.5 to 2.5 | Pass |
| | 2642.5 | 75 | 0 | 20 | 3.27 | -2.975 | -0.0011 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -2.561 | -0.0010 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -7.882 | -0.0030 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -4.663 | -0.0018 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | 2.460 | 0.0009 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -6.566 | -0.0025 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -2.704 | -0.0010 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | 2.060 | 0.0008 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -8.054 | -0.0030 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | 5.565 | 0.0021 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | 6.895 | 0.0026 | -2.5 to 2.5 | Pass |

## 2.4 B41_20MHz

### 2.4.1 Test Result

| Band: 41 / Bandwidth: 20MHz | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) | | Verdict |
| | | Size | Offset | | | | Result | Limit | |
| QPSK | 2560 | 100 | 0 | 20 | 3.27 | 2.117 | 0.0008 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -2.174 | -0.0008 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | 10.428 | 0.0041 | -2.5 to 2.5 | Pass |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | -30 | 3.85 | 0.844 | 0.0003 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -1.717 | -0.0007 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | 1.502 | 0.0006 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -6.280 | -0.0025 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -11.201 | -0.0044 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -2.875 | -0.0011 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -7.639 | -0.0030 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -6.752 | -0.0026 | -2.5 to 2.5 | Pass |
| | 2600 | 100 | 0 | 20 | 3.27 | -11.129 | -0.0043 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -6.580 | -0.0025 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -3.705 | -0.0014 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -8.454 | -0.0033 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -9.942 | -0.0038 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -5.665 | -0.0022 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -5.107 | -0.0020 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -5.608 | -0.0022 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -3.433 | -0.0013 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -0.057 | 0.0000 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -12.589 | -0.0048 | -2.5 to 2.5 | Pass |
| | 2640 | 100 | 0 | 20 | 3.27 | -1.431 | -0.0005 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -0.229 | -0.0001 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | 1.302 | 0.0005 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | 0.672 | 0.0003 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | 5.021 | 0.0019 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -1.373 | -0.0005 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -7.739 | -0.0029 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -4.535 | -0.0017 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -10.085 | -0.0038 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -2.804 | -0.0011 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -12.689 | -0.0048 | -2.5 to 2.5 | Pass |
| 16QAM | 2560 | 100 | 0 | 20 | 3.27 | -6.652 | -0.0026 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -10.729 | -0.0042 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -7.596 | -0.0030 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | 0.701 | 0.0003 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -3.934 | -0.0015 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | 2.074 | 0.0008 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -7.510 | -0.0029 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | 1.087 | 0.0004 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -3.762 | -0.0015 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -8.354 | -0.0033 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | 0.701 | 0.0003 | -2.5 to 2.5 | Pass |
| | 2600 | 100 | 0 | 20 | 3.27 | -8.383 | -0.0032 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -5.951 | -0.0023 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -11.601 | -0.0045 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -12.703 | -0.0049 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -3.347 | -0.0013 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | 2.632 | 0.0010 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -9.928 | -0.0038 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -4.706 | -0.0018 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -0.486 | -0.0002 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -5.608 | -0.0022 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -11.930 | -0.0046 | -2.5 to 2.5 | Pass |
| | 2640 | 100 | 0 | 20 | 3.27 | -3.276 | -0.0012 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -3.147 | -0.0012 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -3.262 | -0.0012 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | 12.989 | 0.0049 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | 1.059 | 0.0004 | -2.5 to 2.5 | Pass |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | -10 | 3.85 | -5.450 | -0.0021 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | 3.490 | 0.0013 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | 2.246 | 0.0009 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | 0.715 | 0.0003 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -7.968 | -0.0030 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -3.033 | -0.0011 | -2.5 to 2.5 | Pass |

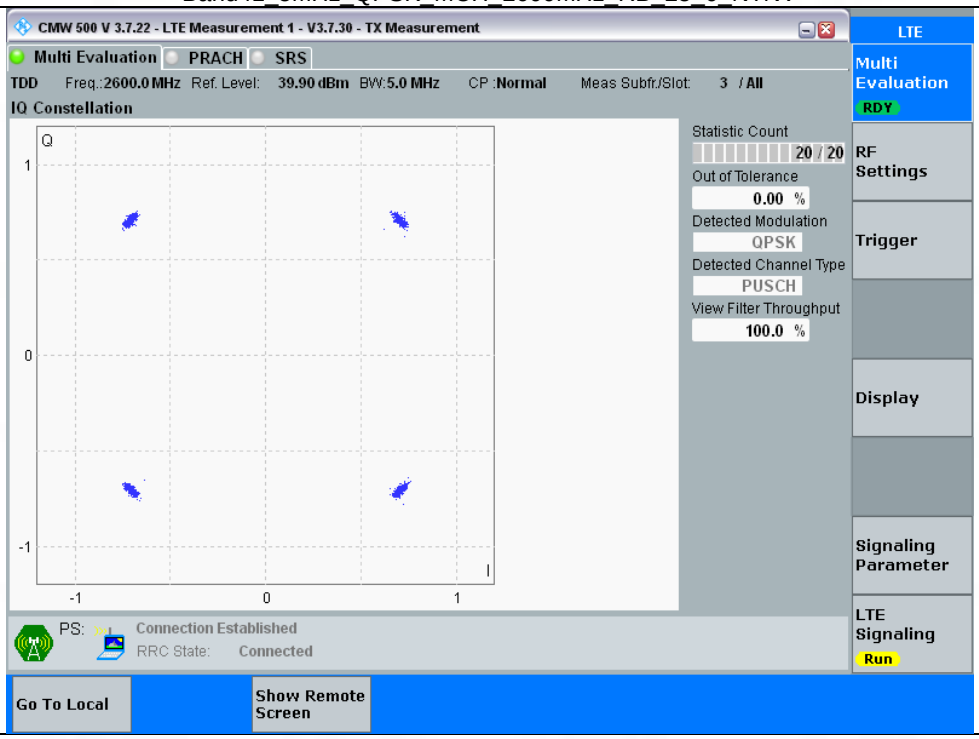
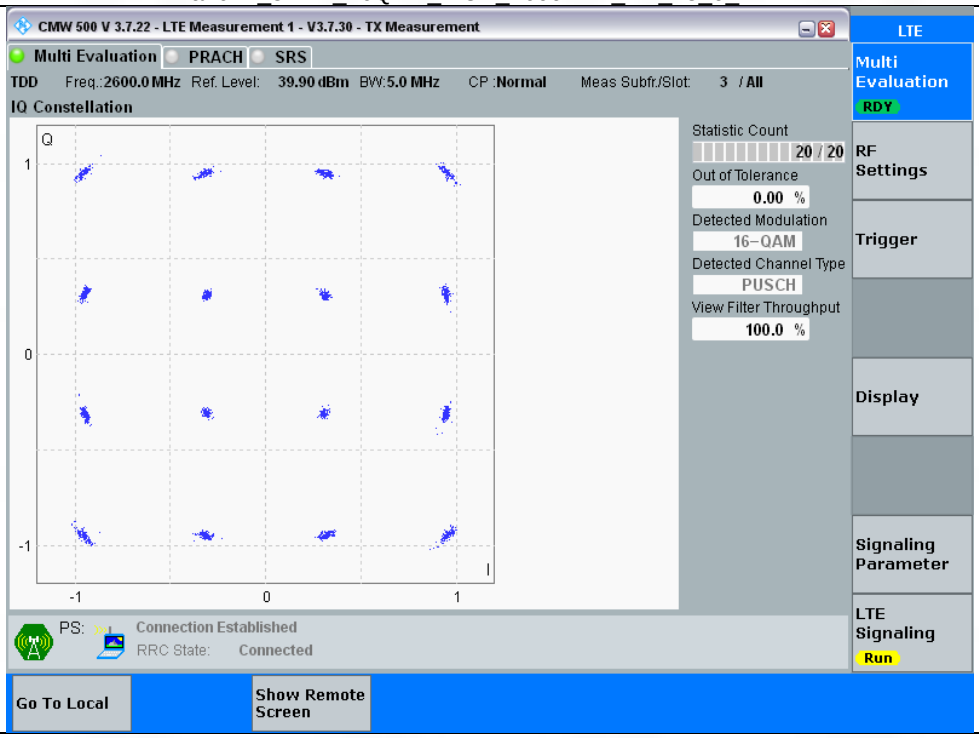
# 3. Modulation Characteristics

## 3.1 B41_5MHz

### 3.1.1 Test Result

| Band: 41 / Bandwidth: 5MHz / NTNV | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Modulation Characteristics | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 2600 | 25 | 0 | Refer To Test Graph | | Pass |
| 16QAM | 2600 | 25 | 0 | Refer To Test Graph | | Pass |

### 3.1.2 Test Graph

| Band41_5MHz_QPSK_MCH_2600MHz_RB_25_0_NTNV |
| --- |
|  |
| Band41_5MHz_16QAM_MCH_2600MHz_RB_25_0_NTNV |
|  |

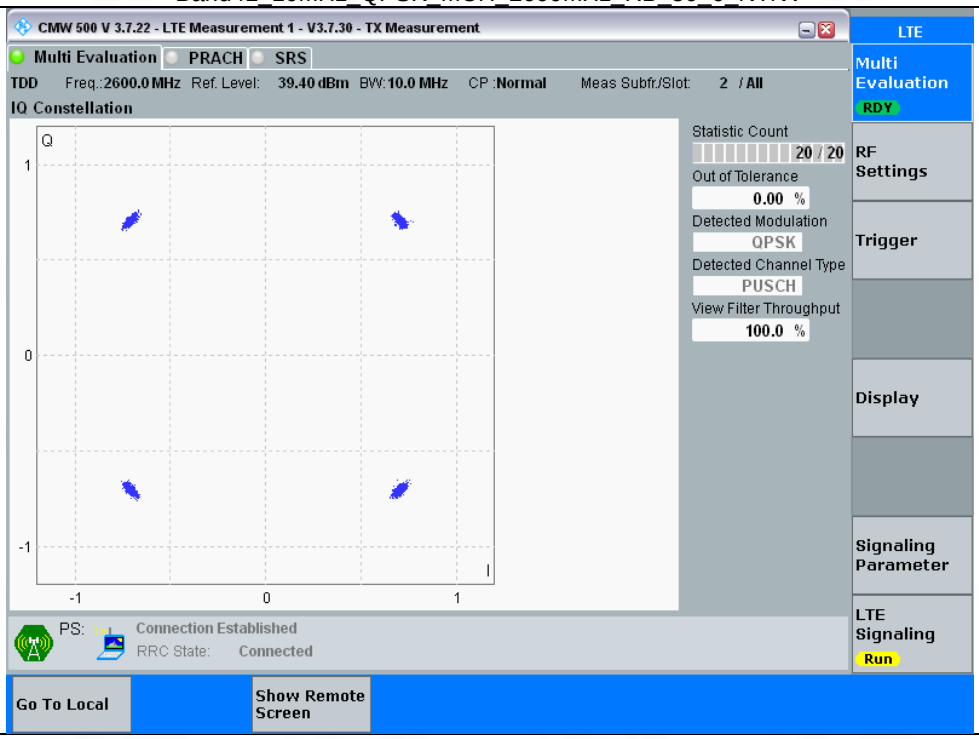
## 3.2 B41_10MHz

### 3.2.1 Test Result

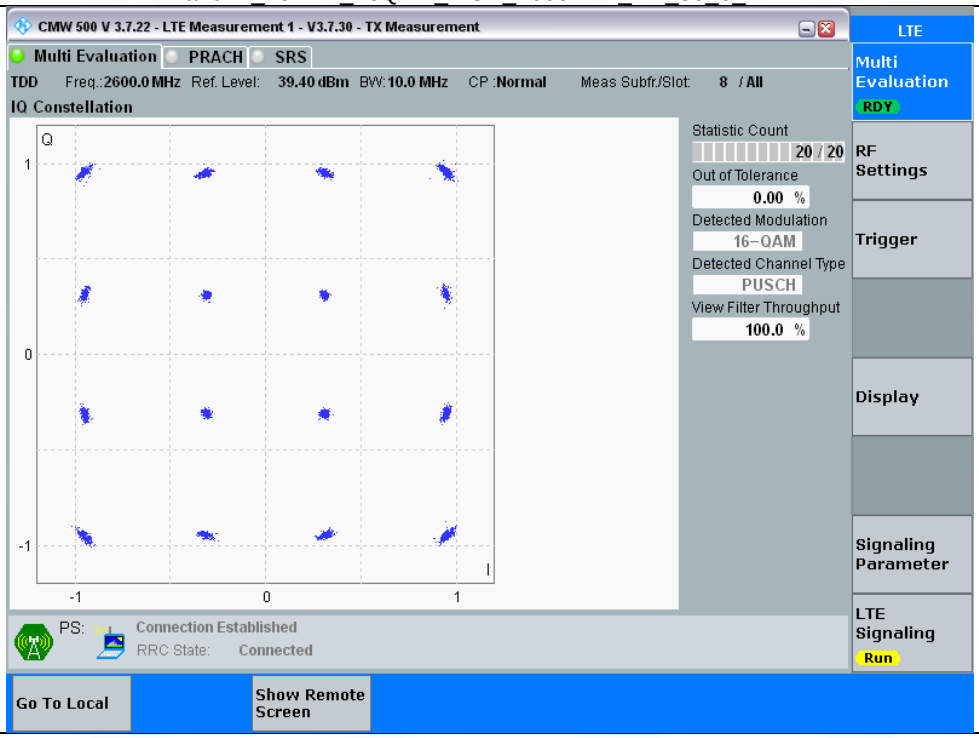
| Band: 41 / Bandwidth: 10MHz / NTNV | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Modulation Characteristics | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 2600 | 50 | 0 | Refer To Test Graph | | Pass |
| 16QAM | 2600 | 50 | 0 | Refer To Test Graph | | Pass |

### 3.2.2 Test Graph

Band41_10MHz_QPSK_MCH_2600MHz_RB_50_0_NTNV




Band41_10MHz_16QAM_MCH_2600MHz_RB_50_0_NTNV



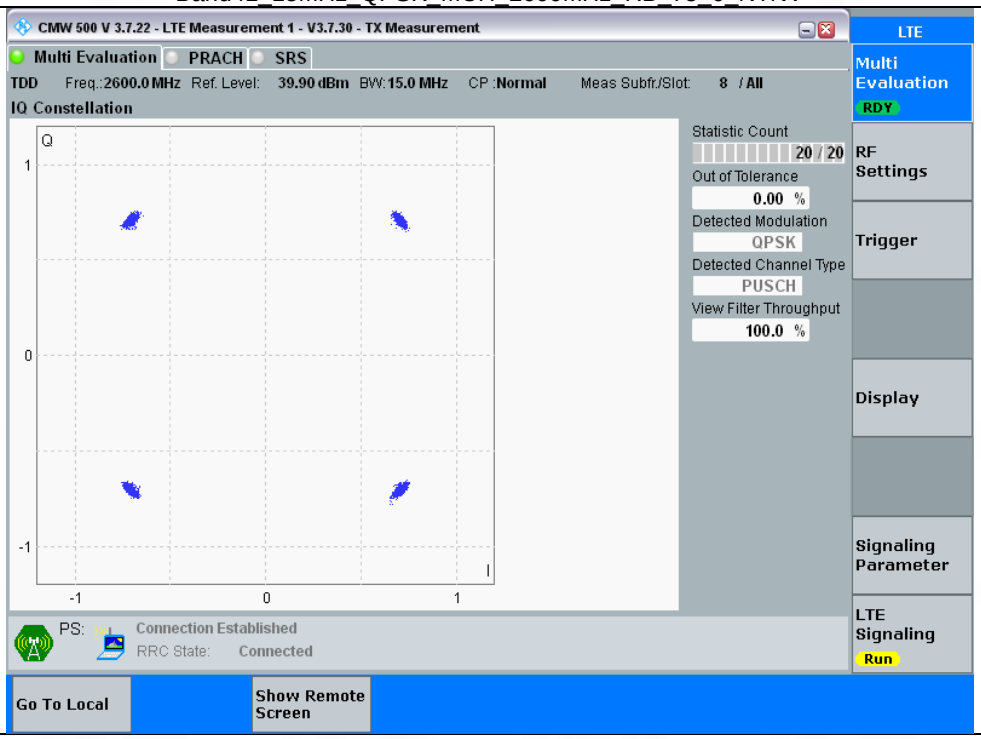
## 3.3 B41_15MHz

### 3.3.1 Test Result

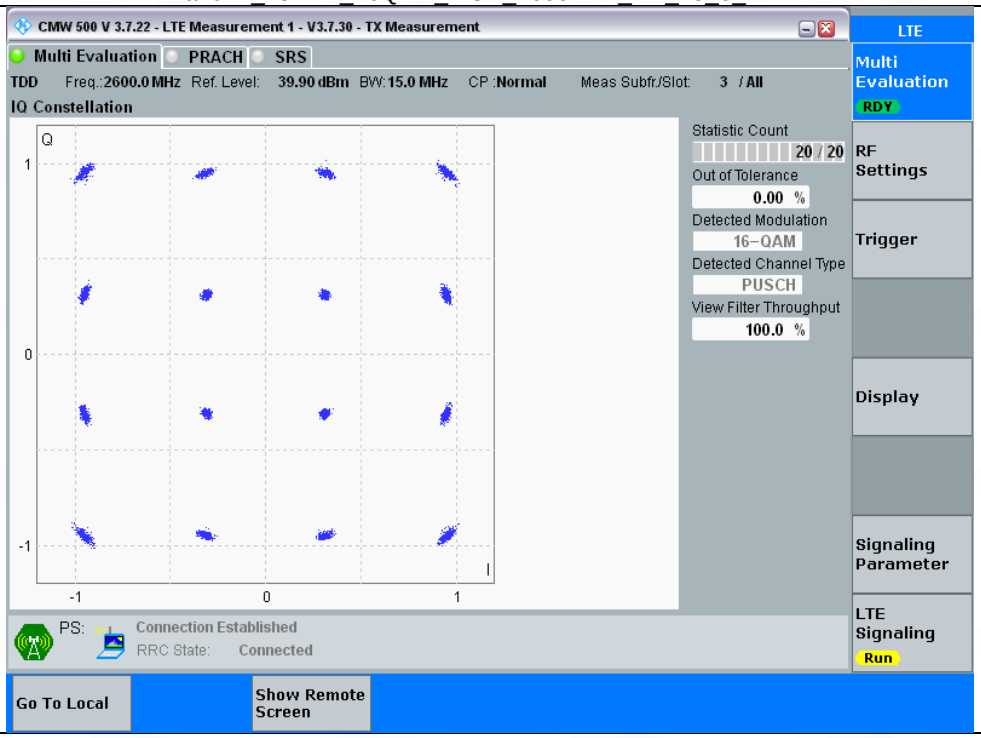
| Band: 41 / Bandwidth: 15MHz / NTNV | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Modulation Characteristics | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 2600 | 75 | 0 | Refer To Test Graph | | Pass |
| 16QAM | 2600 | 75 | 0 | Refer To Test Graph | | Pass |

### 3.3.2 Test Graph

Band41_15MHz_QPSK_MCH_2600MHz_RB_75_0_NTNV




Band41_15MHz_16QAM_MCH_2600MHz_RB_75_0_NTNV



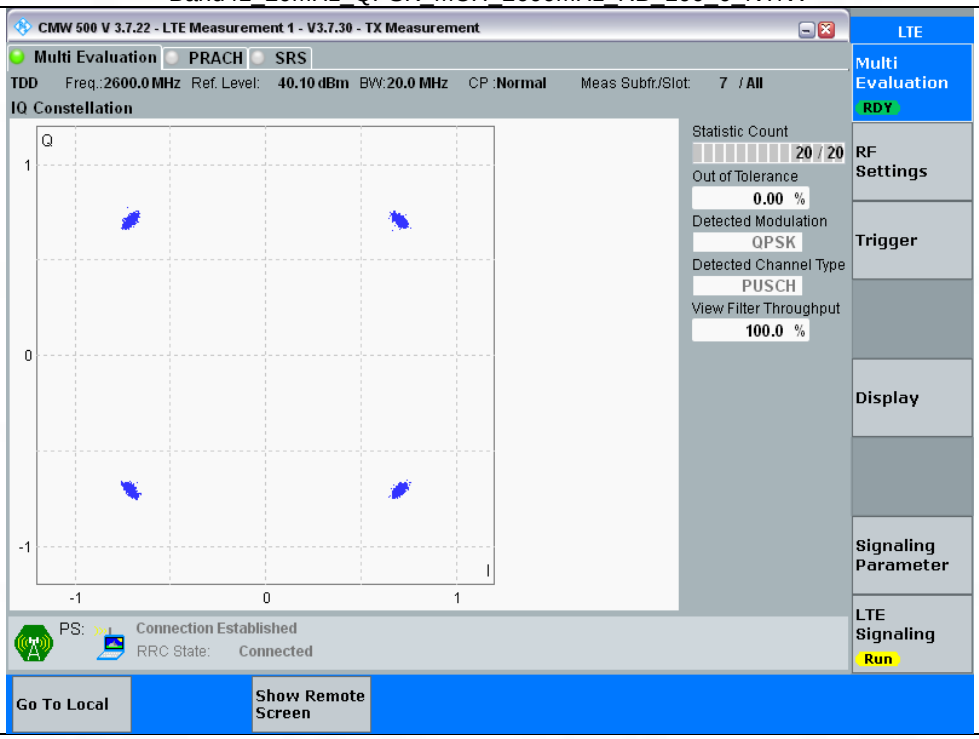
## 3.4 B41_20MHz

### 3.4.1 Test Result

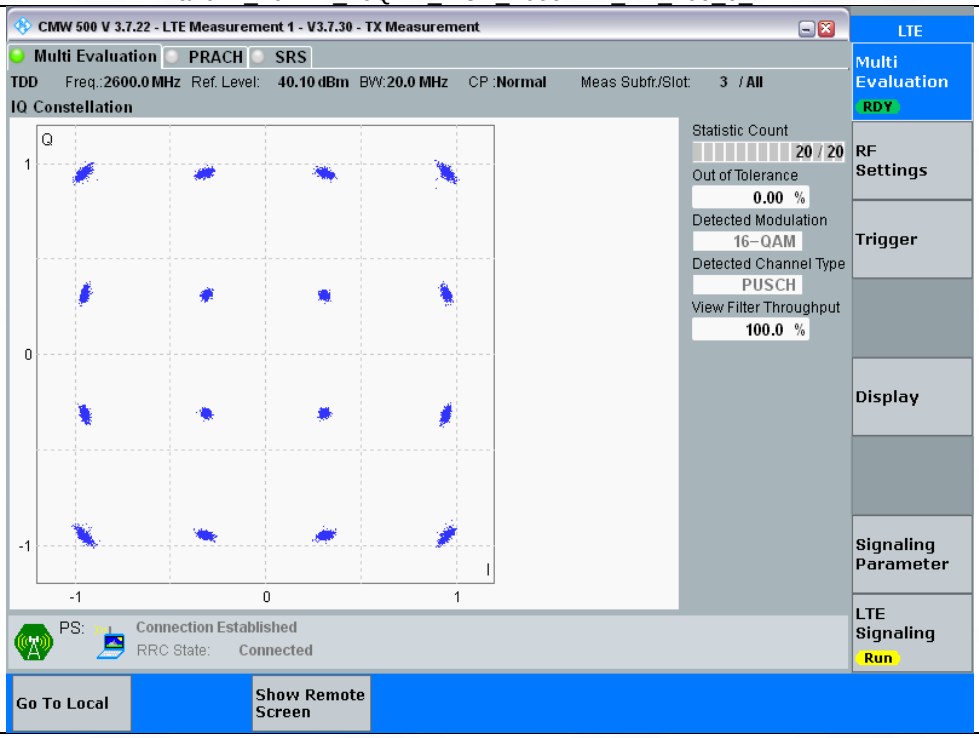
| Band: 41 / Bandwidth: 20MHz / NTNV | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Modulation Characteristics | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 2600 | 100 | 0 | Refer To Test Graph | | Pass |
| 16QAM | 2600 | 100 | 0 | Refer To Test Graph | | Pass |

### 3.4.2 Test Graph

Band41_20MHz_QPSK_MCH_2600MHz_RB_100_0_NTNV




Band41_20MHz_16QAM_MCH_2600MHz_RB_100_0_NTNV



# 4. 99% & 26dB Bandwidth

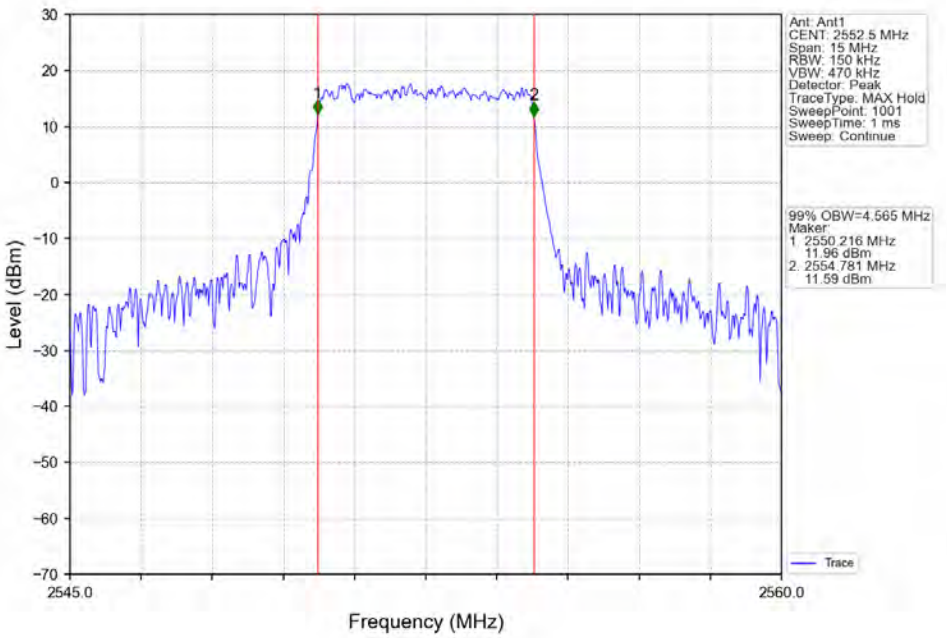
## 4.1 Band41_OBW

### 4.1.1 Test Result

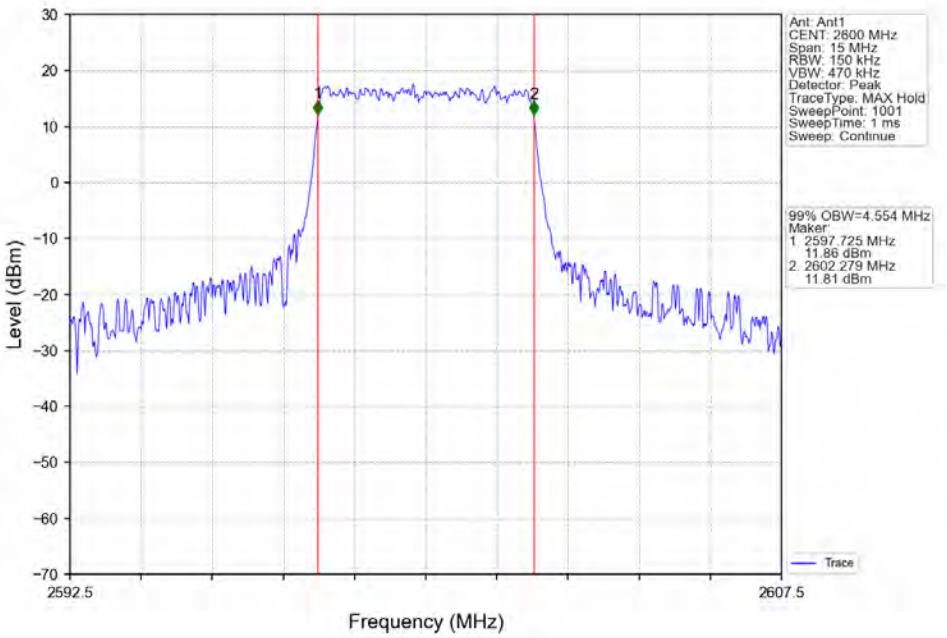
| Band: 41 / NTNV | | | | | | | |
|---|---|---|---|---|---|---|---|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation | | 99% Occupied Bandwidth (MHz) | | Verdict |
| | | | Size | Offset | Result | Limit | |
| 5 | QPSK | 2552.5 | 25 | 0 | 4.565 | / | Pass |
| | | 2600 | 25 | 0 | 4.554 | / | Pass |
| | | 2647.5 | 25 | 0 | 4.577 | / | Pass |
| | 16QAM | 2552.5 | 25 | 0 | 4.556 | / | Pass |
| | | 2600 | 25 | 0 | 4.604 | / | Pass |
| | | 2647.5 | 25 | 0 | 4.576 | / | Pass |
| 10 | QPSK | 2555 | 50 | 0 | 9.104 | / | Pass |
| | | 2600 | 50 | 0 | 9.061 | / | Pass |
| | | 2645 | 50 | 0 | 9.094 | / | Pass |
| | 16QAM | 2555 | 50 | 0 | 9.098 | / | Pass |
| | | 2600 | 50 | 0 | 9.071 | / | Pass |
| | | 2645 | 50 | 0 | 9.110 | / | Pass |
| 15 | QPSK | 2557.5 | 75 | 0 | 13.597 | / | Pass |
| | | 2600 | 75 | 0 | 13.609 | / | Pass |
| | | 2642.5 | 75 | 0 | 13.649 | / | Pass |
| | 16QAM | 2557.5 | 75 | 0 | 13.674 | / | Pass |
| | | 2600 | 75 | 0 | 13.614 | / | Pass |
| | | 2642.5 | 75 | 0 | 13.607 | / | Pass |
| 20 | QPSK | 2560 | 100 | 0 | 18.188 | / | Pass |
| | | 2600 | 100 | 0 | 18.113 | / | Pass |
| | | 2640 | 100 | 0 | 18.104 | / | Pass |
| | 16QAM | 2560 | 100 | 0 | 18.157 | / | Pass |
| | | 2600 | 100 | 0 | 18.187 | / | Pass |
| | | 2640 | 100 | 0 | 18.126 | / | Pass |

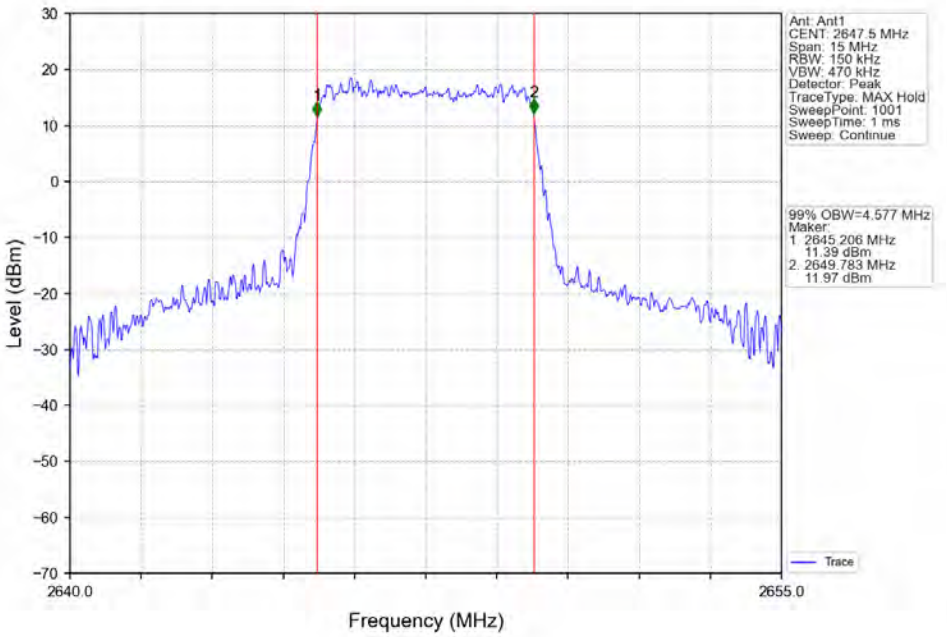
## 4.1.2 Test Graph

Band41_5MHz_QPSK_LCH_2552.5MHz_RB_25_0_NTNV

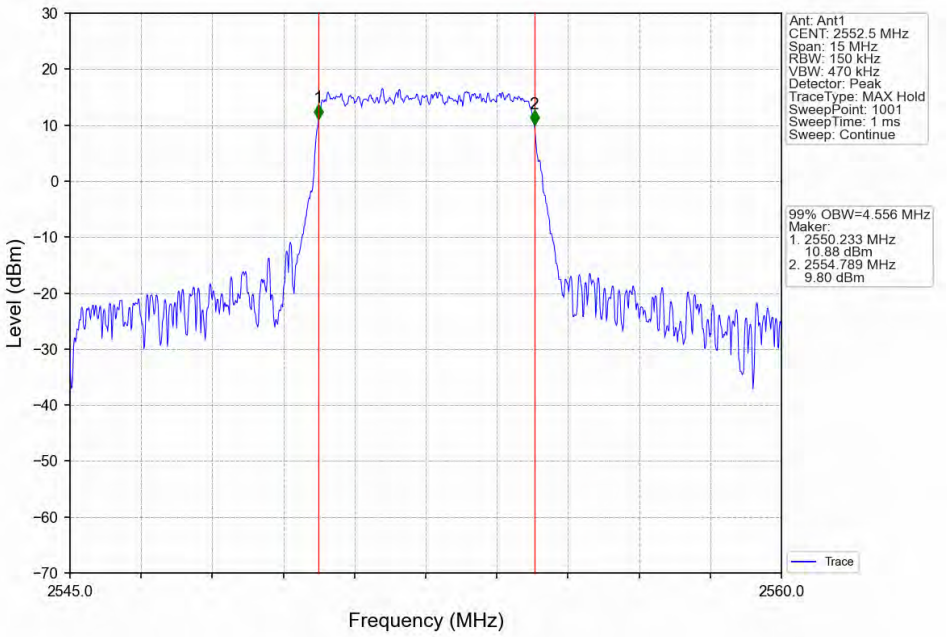



Band41_5MHz_QPSK_MCH_2600MHz_RB_25_0_NTNV

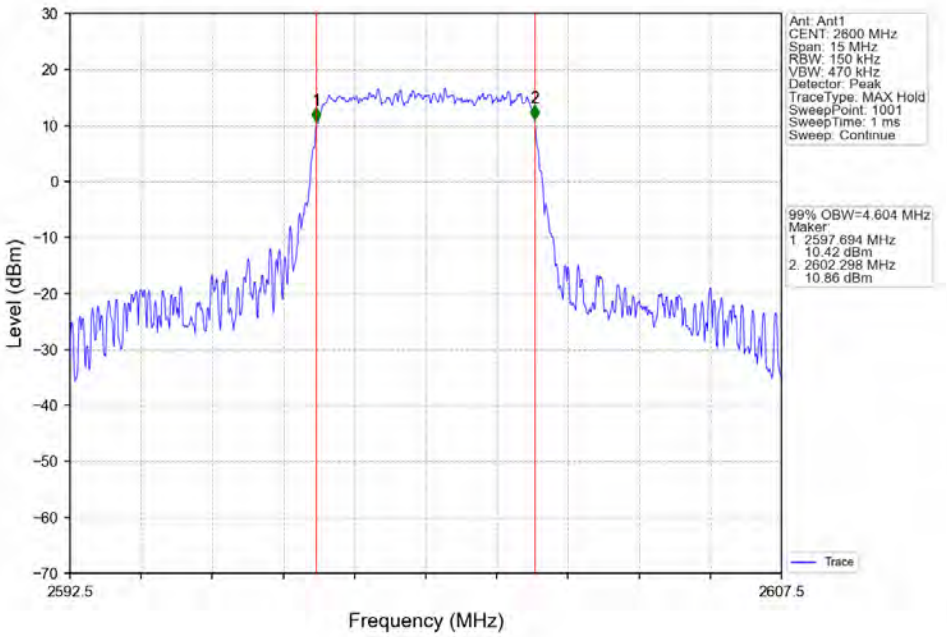


| Band41_5MHz_QPSK_HCH_2647.5MHz_RB_25_0_NTNV |
| --- |
|  |

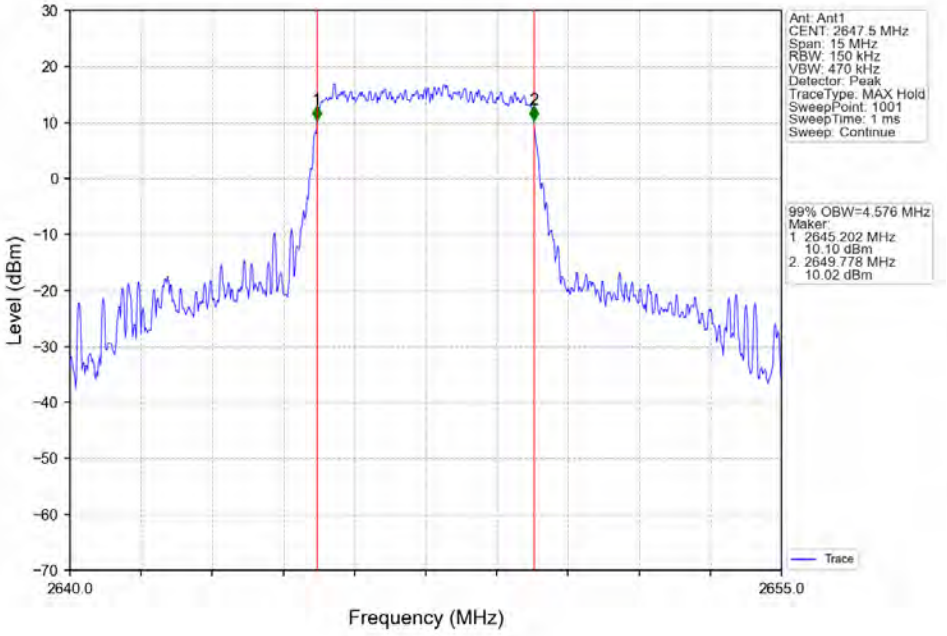


| Band41_5MHz_16QAM_LCH_2552.5MHz_RB_25_0_NTNV |
| --- |
|  |

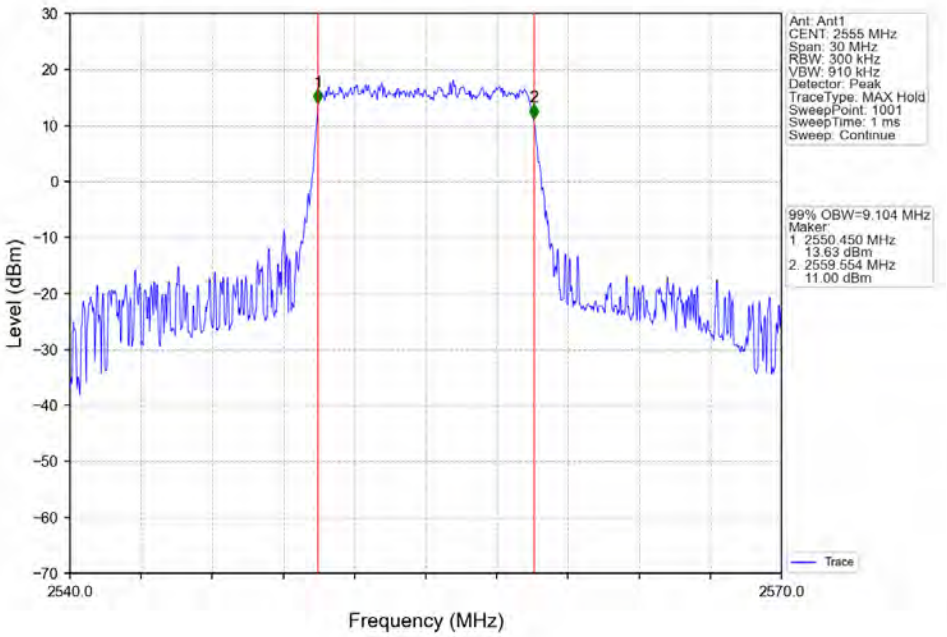
Band41_5MHz_16QAM_MCH_2600MHz_RB_25_0_NTNV



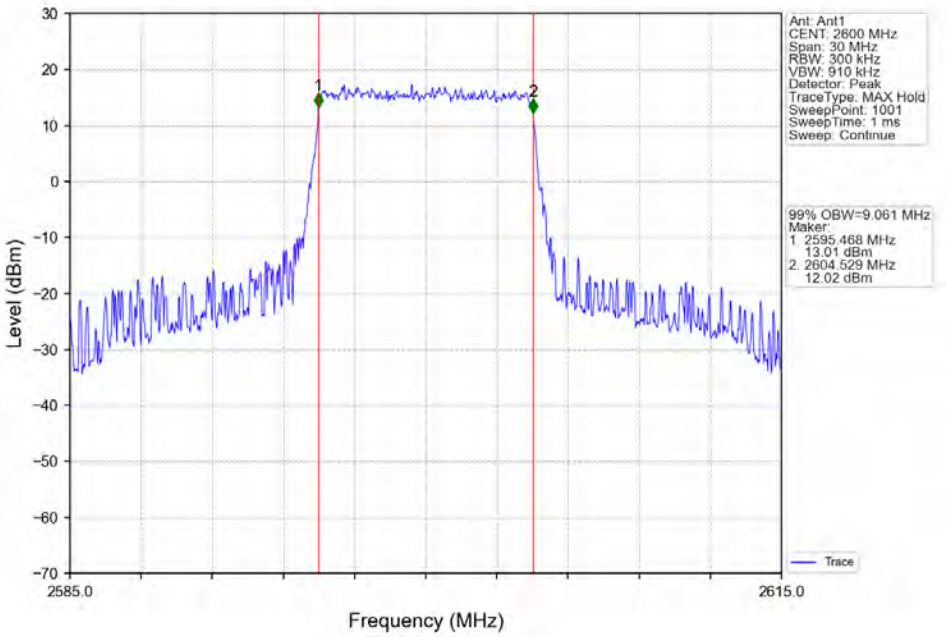

Band41_5MHz_16QAM_HCH_2647.5MHz_RB_25_0_NTNV



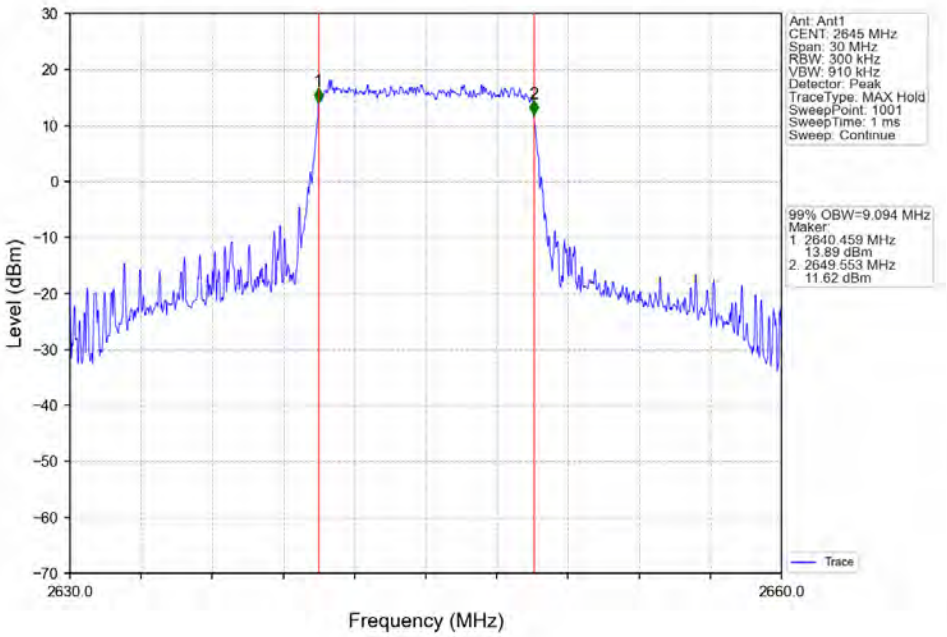
Band41_10MHz_QPSK_LCH_2555MHz_RB_50_0_NTNV



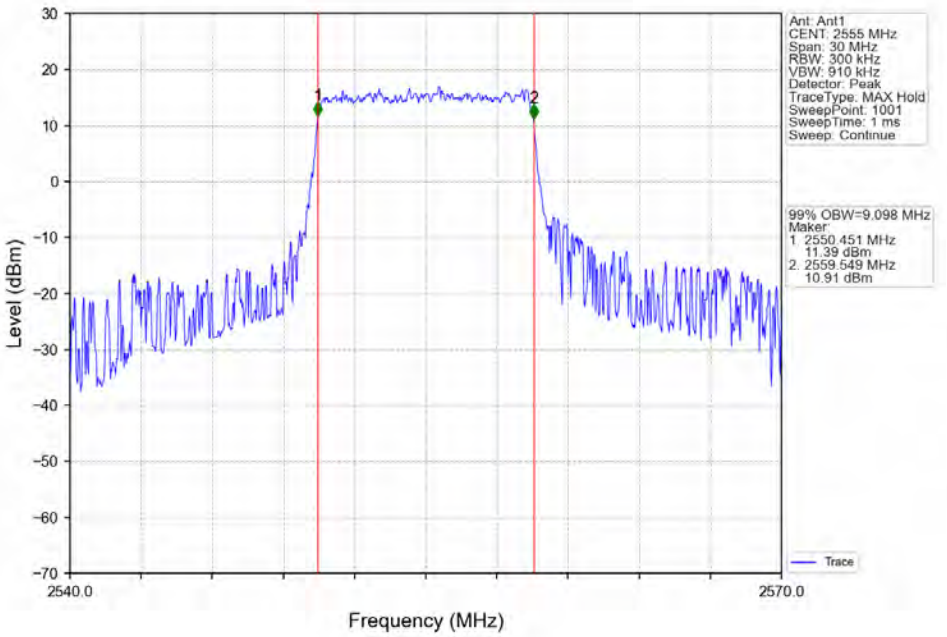

Band41_10MHz_QPSK_MCH_2600MHz_RB_50_0_NTNV



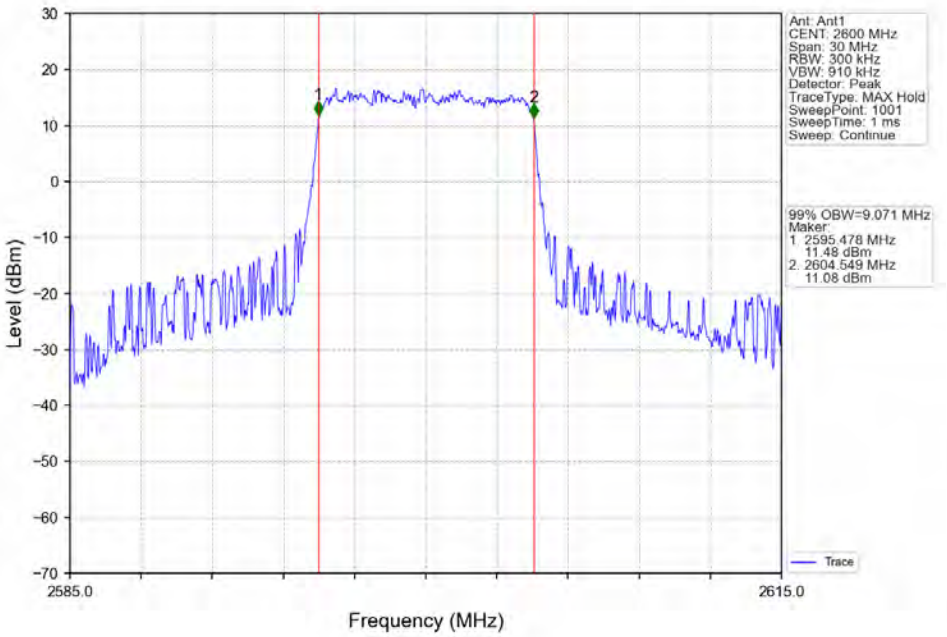
Band41_10MHz_QPSK_HCH_2645MHz_RB_50_0_NTNV



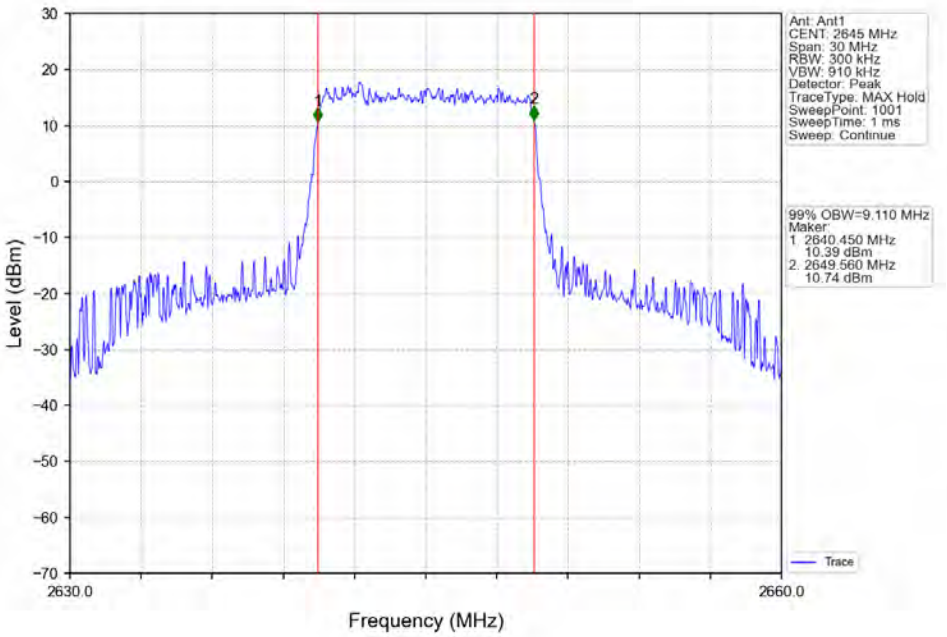

Band41_10MHz_16QAM_LCH_2555MHz_RB_50_0_NTNV



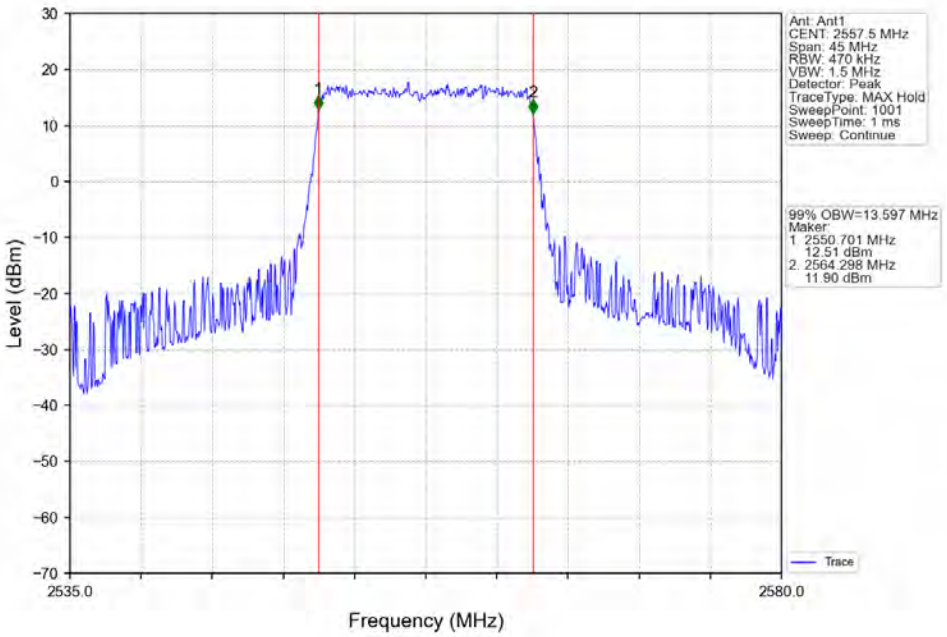
Band41_10MHz_16QAM_MCH_2600MHz_RB_50_0_NTNV



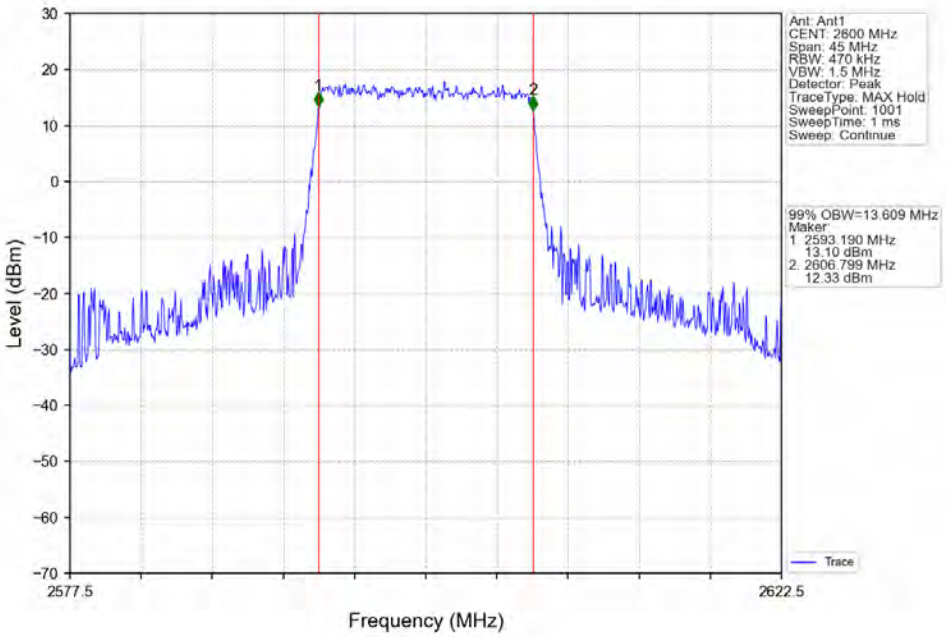

Band41_10MHz_16QAM_HCH_2645MHz_RB_50_0_NTNV



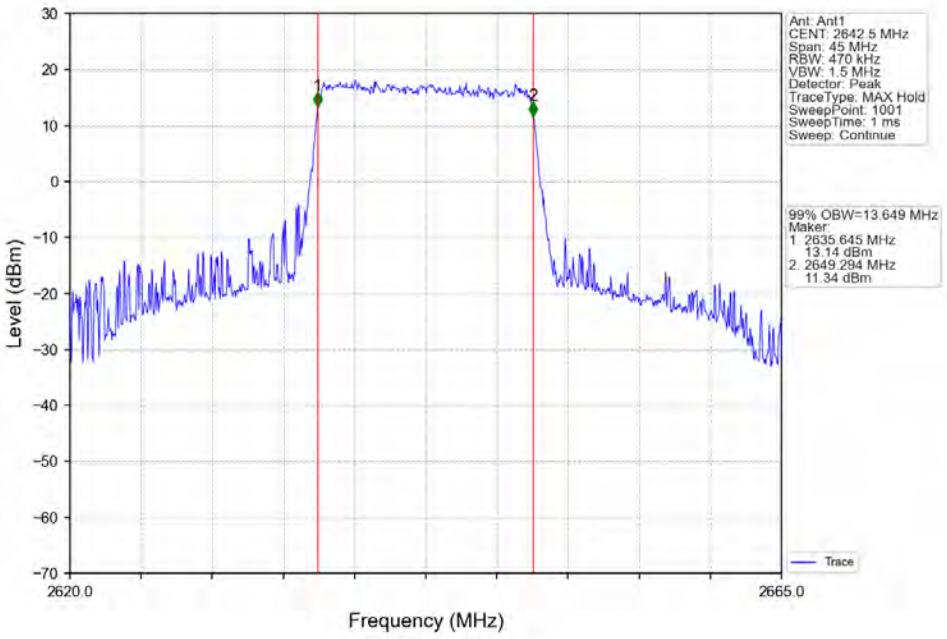
Band41_15MHz_QPSK_LCH_2557.5MHz_RB_75_0_NTNV



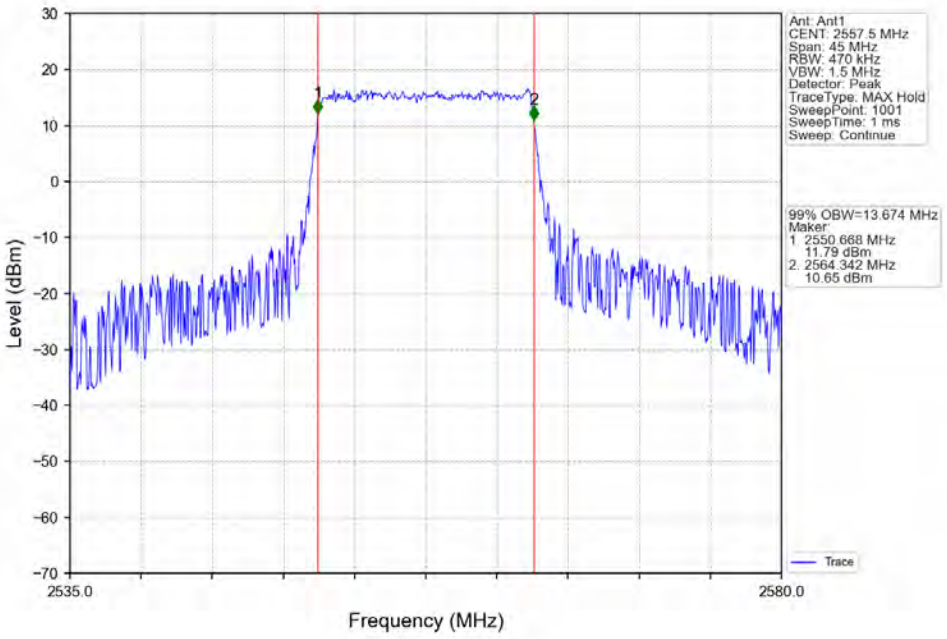

Band41_15MHz_QPSK_MCH_2600MHz_RB_75_0_NTNV



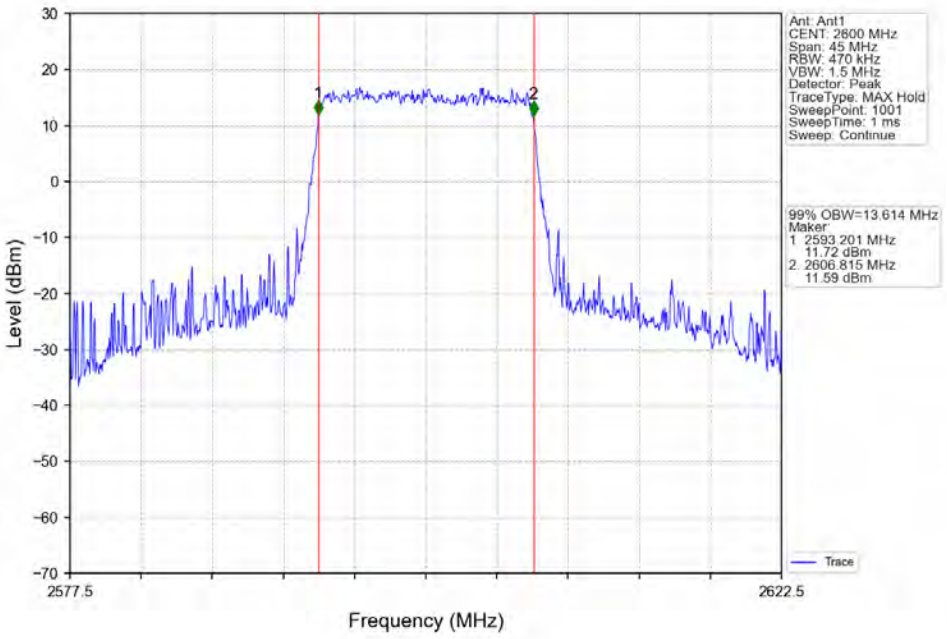
Band41_15MHz_QPSK_HCH_2642.5MHz_RB_75_0_NTNV



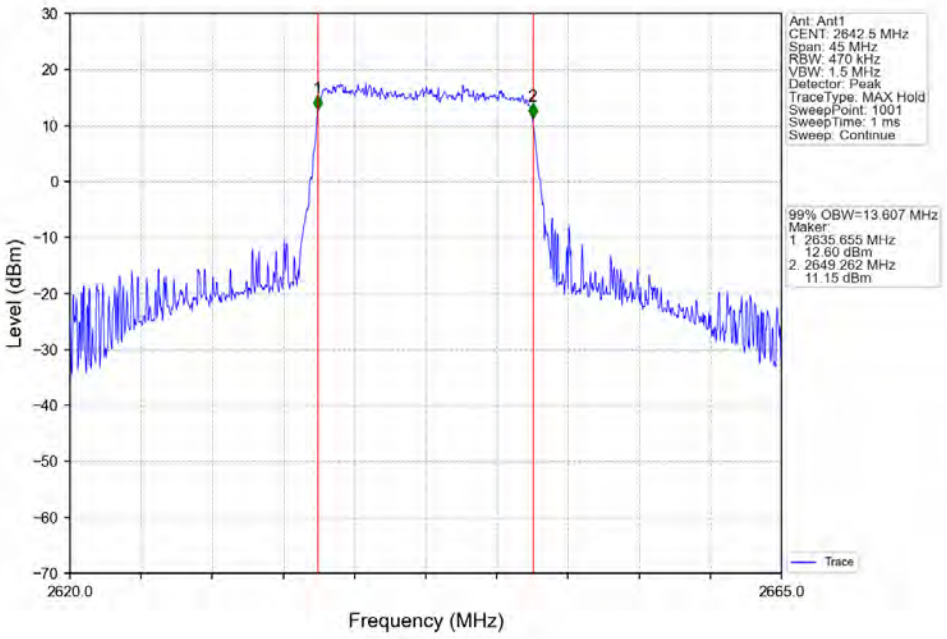

Band41_15MHz_16QAM_LCH_2557.5MHz_RB_75_0_NTNV



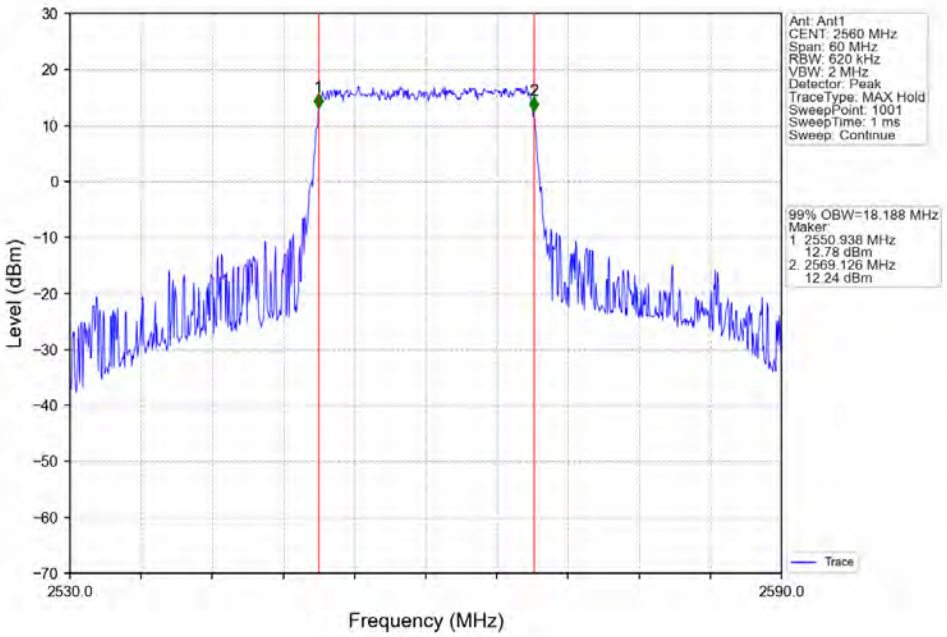
Band41_15MHz_16QAM_MCH_2600MHz_RB_75_0_NTNV



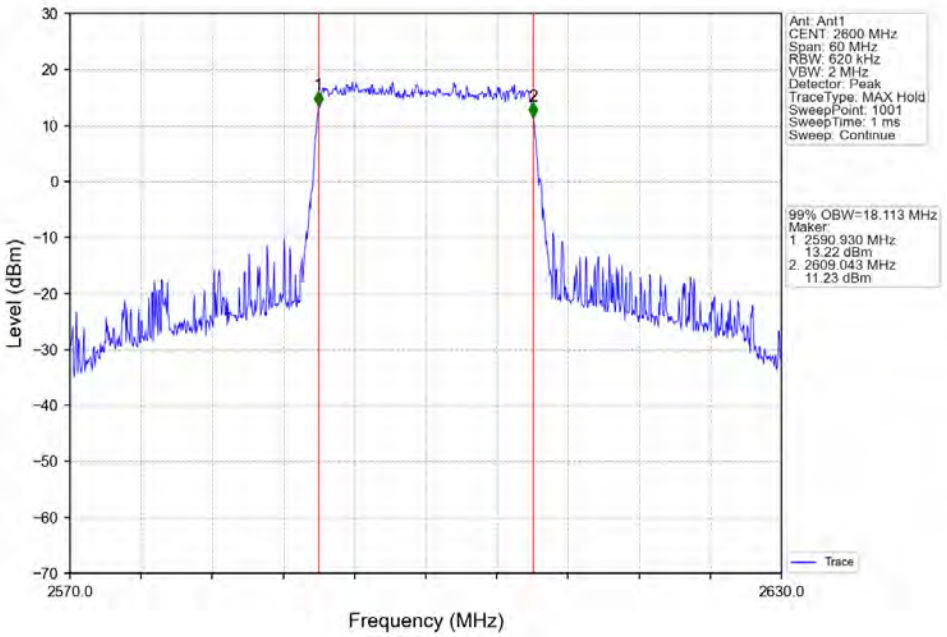

Band41_15MHz_16QAM_HCH_2642.5MHz_RB_75_0_NTNV



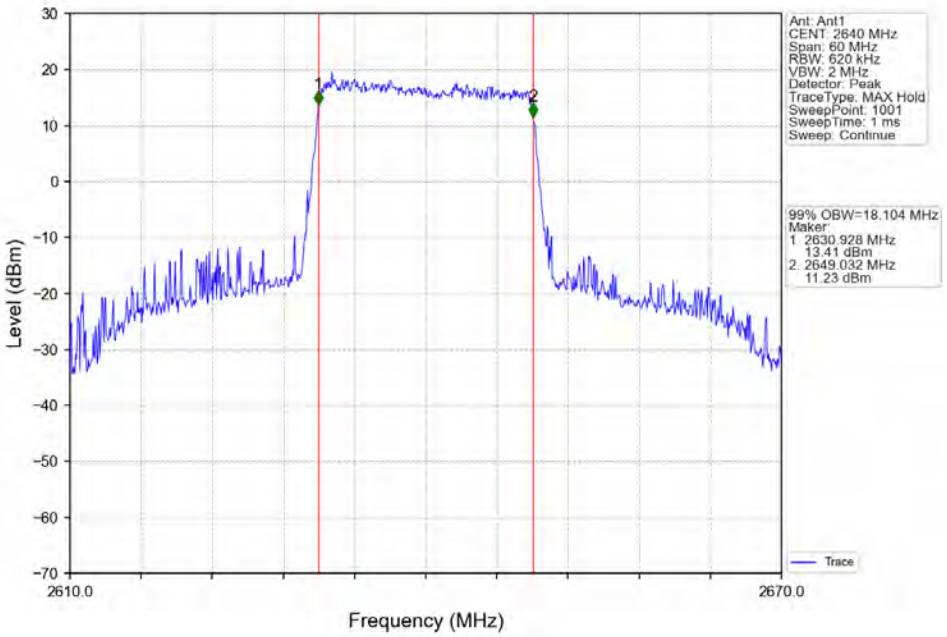
Band41_20MHz_QPSK_LCH_2560MHz_RB_100_0_NTNV



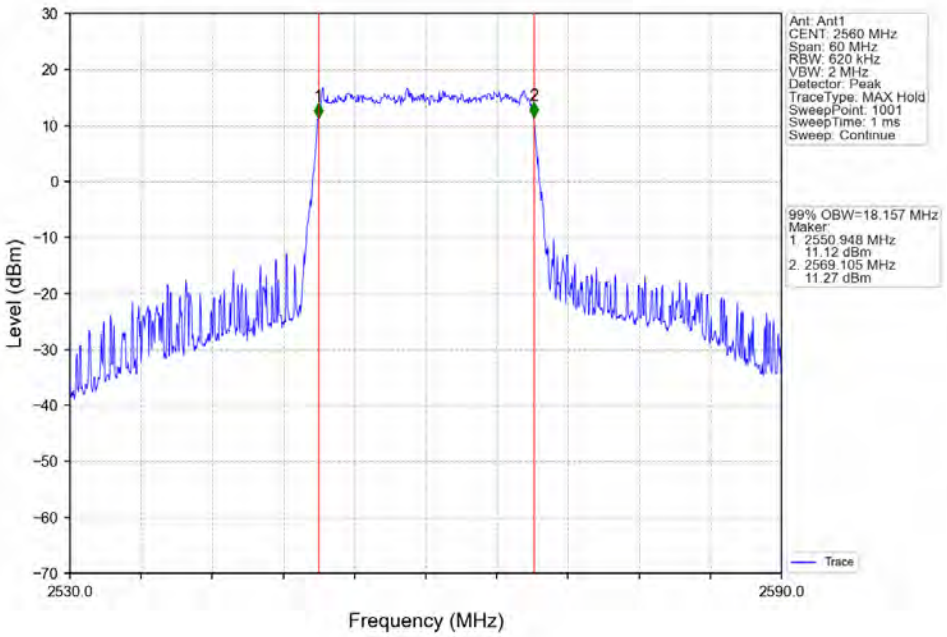

Band41_20MHz_QPSK_MCH_2600MHz_RB_100_0_NTNV



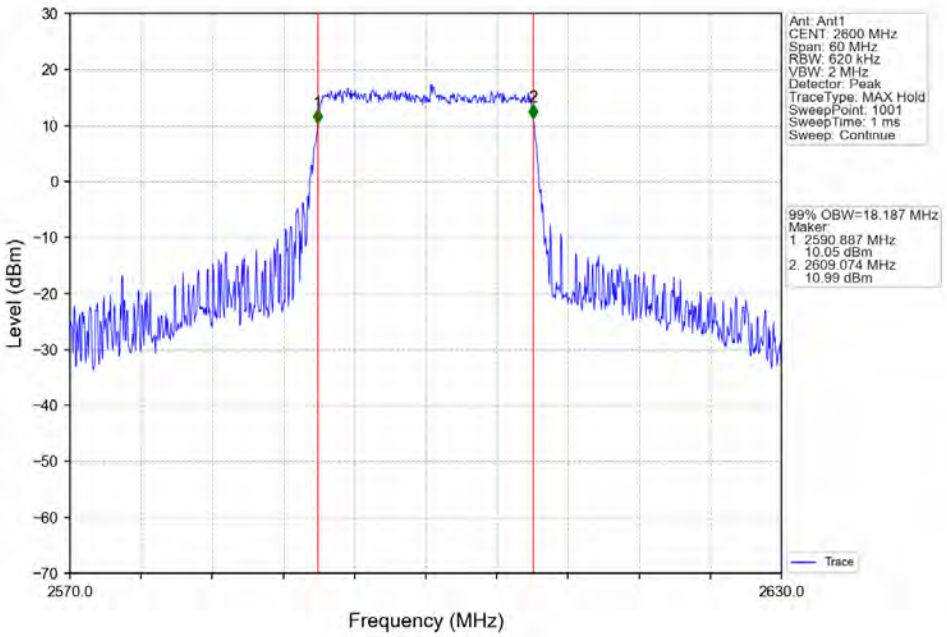
Band41_20MHz_QPSK_HCH_2640MHz_RB_100_0_NTNV



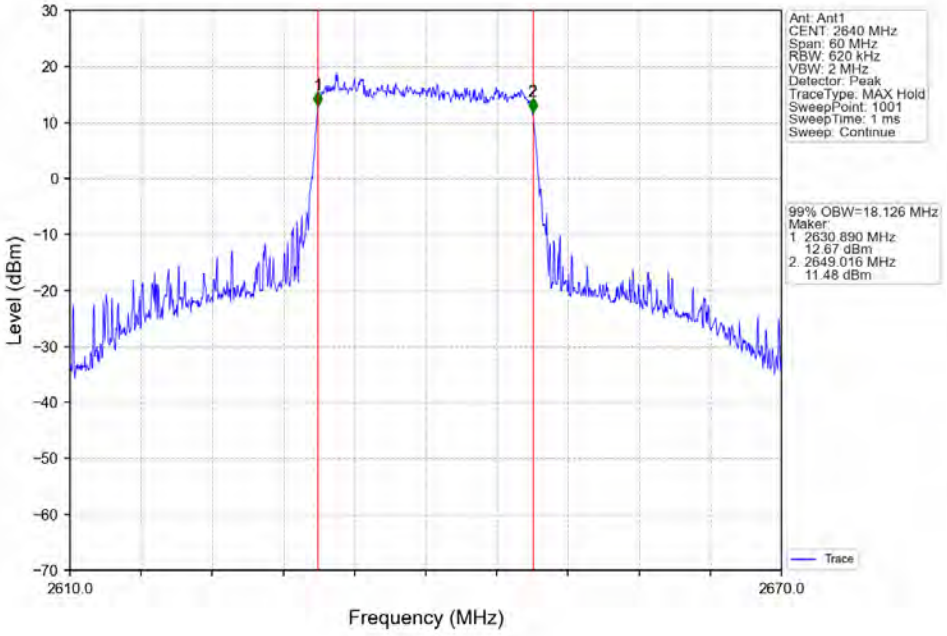

Band41_20MHz_16QAM_LCH_2560MHz_RB_100_0_NTNV



Band41_20MHz_16QAM_MCH_2600MHz_RB_100_0_NTNV




Band41_20MHz_16QAM_HCH_2640MHz_RB_100_0_NTNV



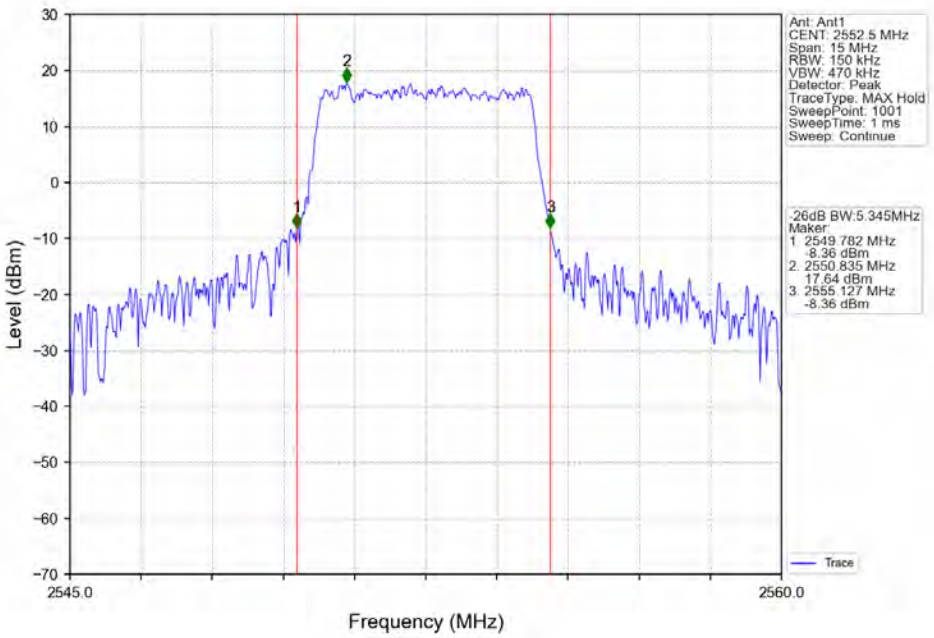
## 4.2 Band41_XDB

### 4.2.1 Test Result

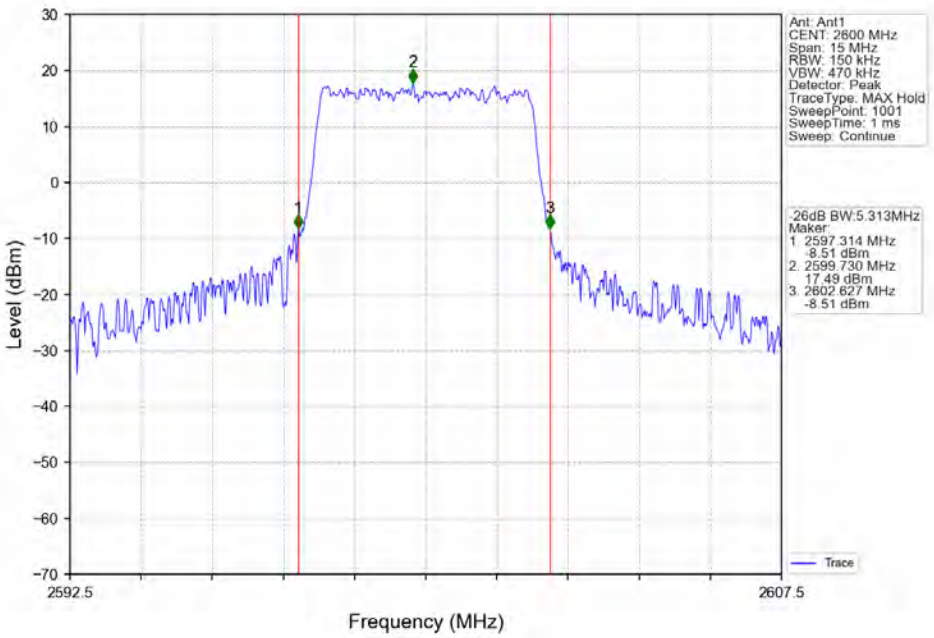
| Band: 41 / NTNV | | | | | | | |
|---|---|---|---|---|---|---|---|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation | | 26dB Bandwidth (MHz) | | Verdict |
| | | | Size | Offset | Result | Limit | |
| 5 | QPSK | 2552.5 | 25 | 0 | 5.345 | / | Pass |
| | | 2600 | 25 | 0 | 5.313 | / | Pass |
| | | 2647.5 | 25 | 0 | 5.266 | / | Pass |
| | 16QAM | 2552.5 | 25 | 0 | 5.236 | / | Pass |
| | | 2600 | 25 | 0 | 5.520 | / | Pass |
| | | 2647.5 | 25 | 0 | 5.219 | / | Pass |
| 10 | QPSK | 2555 | 50 | 0 | 10.296 | / | Pass |
| | | 2600 | 50 | 0 | 10.189 | / | Pass |
| | | 2645 | 50 | 0 | 11.242 | / | Pass |
| | 16QAM | 2555 | 50 | 0 | 11.287 | / | Pass |
| | | 2600 | 50 | 0 | 10.688 | / | Pass |
| | | 2645 | 50 | 0 | 10.133 | / | Pass |
| 15 | QPSK | 2557.5 | 75 | 0 | 15.482 | / | Pass |
| | | 2600 | 75 | 0 | 16.169 | / | Pass |
| | | 2642.5 | 75 | 0 | 16.554 | / | Pass |
| | 16QAM | 2557.5 | 75 | 0 | 18.135 | / | Pass |
| | | 2600 | 75 | 0 | 16.576 | / | Pass |
| | | 2642.5 | 75 | 0 | 16.830 | / | Pass |
| 20 | QPSK | 2560 | 100 | 0 | 21.021 | / | Pass |
| | | 2600 | 100 | 0 | 19.984 | / | Pass |
| | | 2640 | 100 | 0 | 19.959 | / | Pass |
| | 16QAM | 2560 | 100 | 0 | 20.047 | / | Pass |
| | | 2600 | 100 | 0 | 22.346 | / | Pass |
| | | 2640 | 100 | 0 | 20.671 | / | Pass |

## 4.2.2 Test Graph

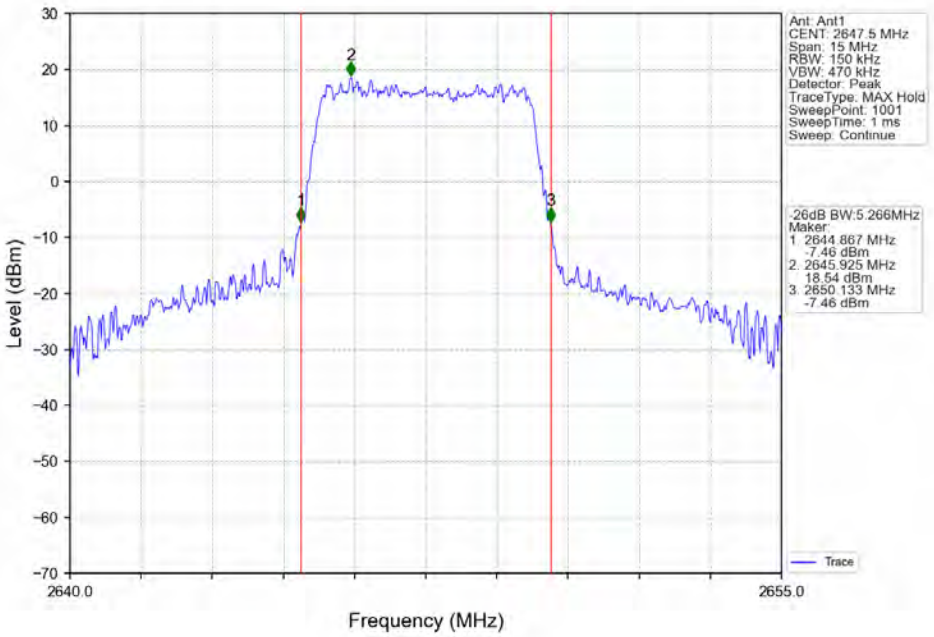
Band41_5MHz_QPSK_LCH_2552.5MHz_RB_25_0_NTNV



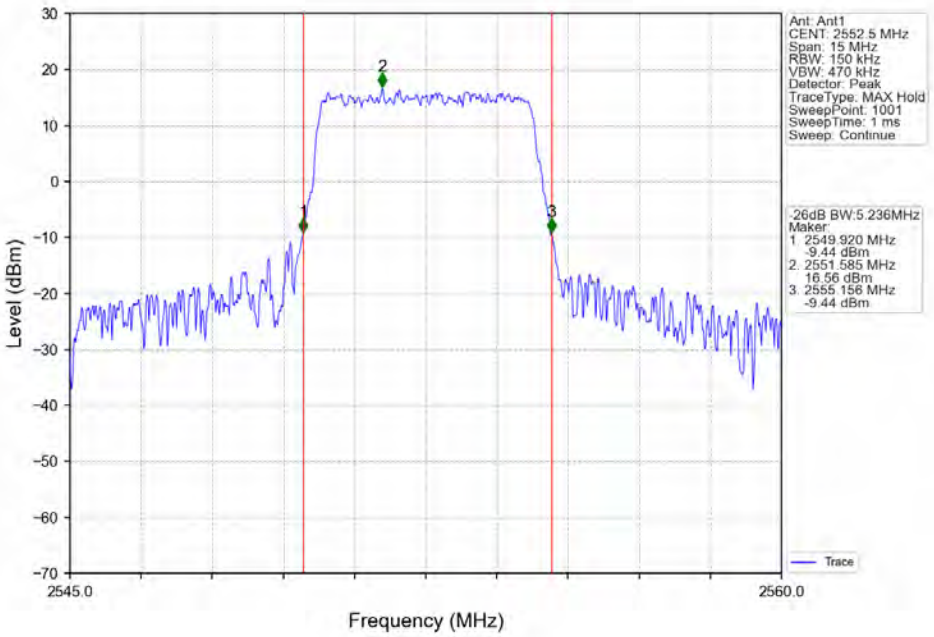

Band41_5MHz_QPSK_MCH_2600MHz_RB_25_0_NTNV



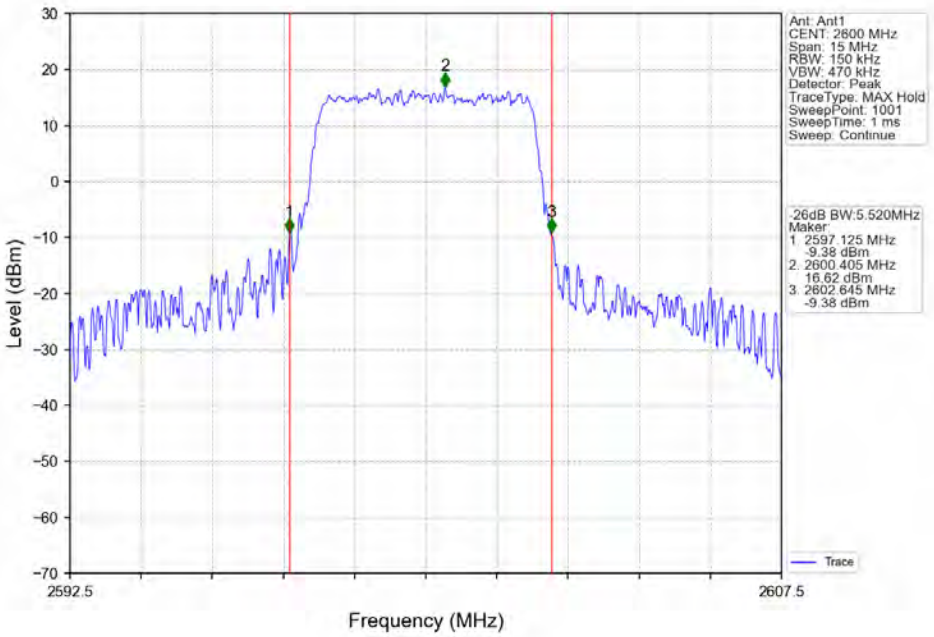
Band41_5MHz_QPSK_HCH_2647.5MHz_RB_25_0_NTNV



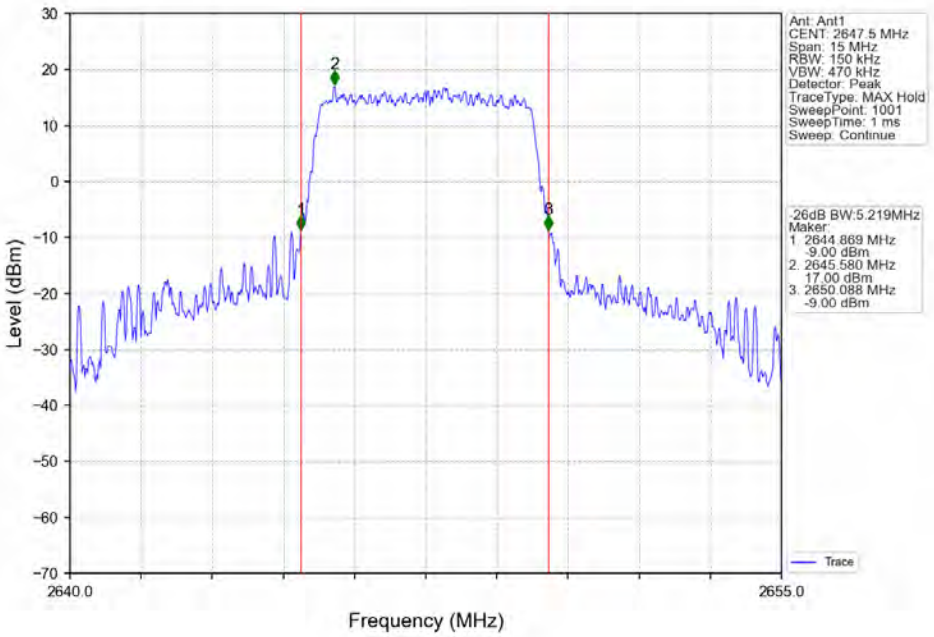

Band41_5MHz_16QAM_LCH_2552.5MHz_RB_25_0_NTNV



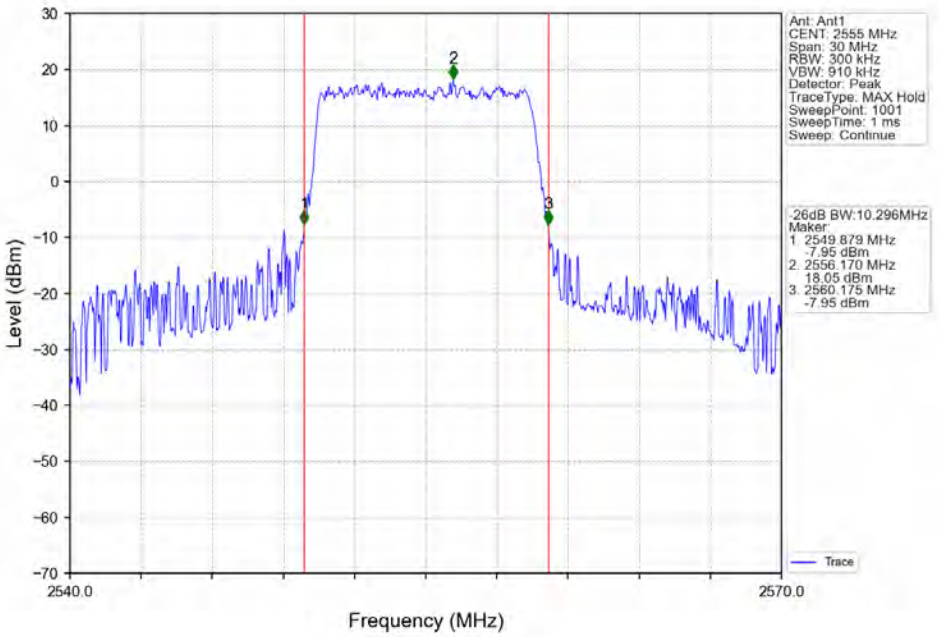
Band41_5MHz_16QAM_MCH_2600MHz_RB_25_0_NTNV



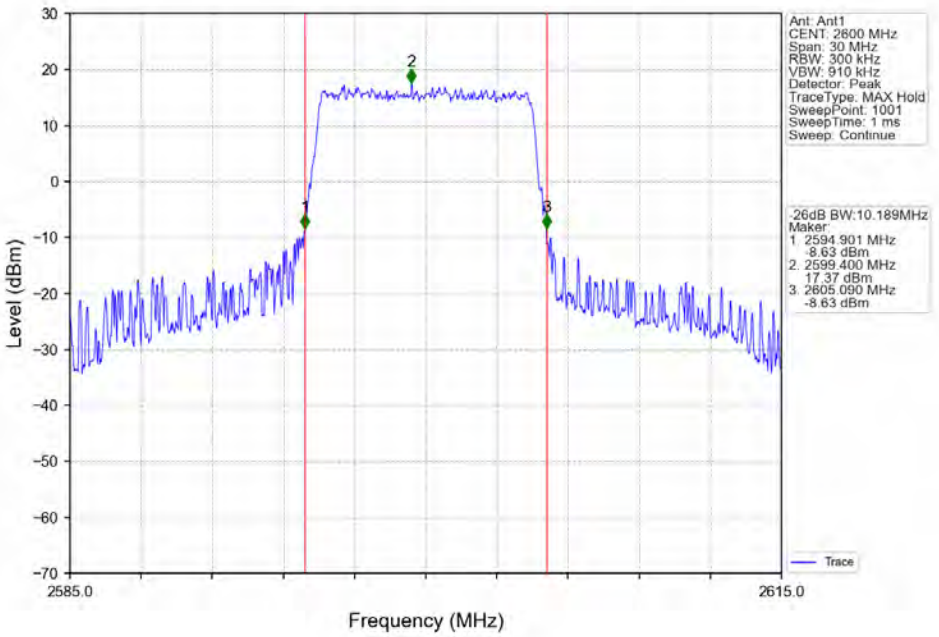

Band41_5MHz_16QAM_HCH_2647.5MHz_RB_25_0_NTNV



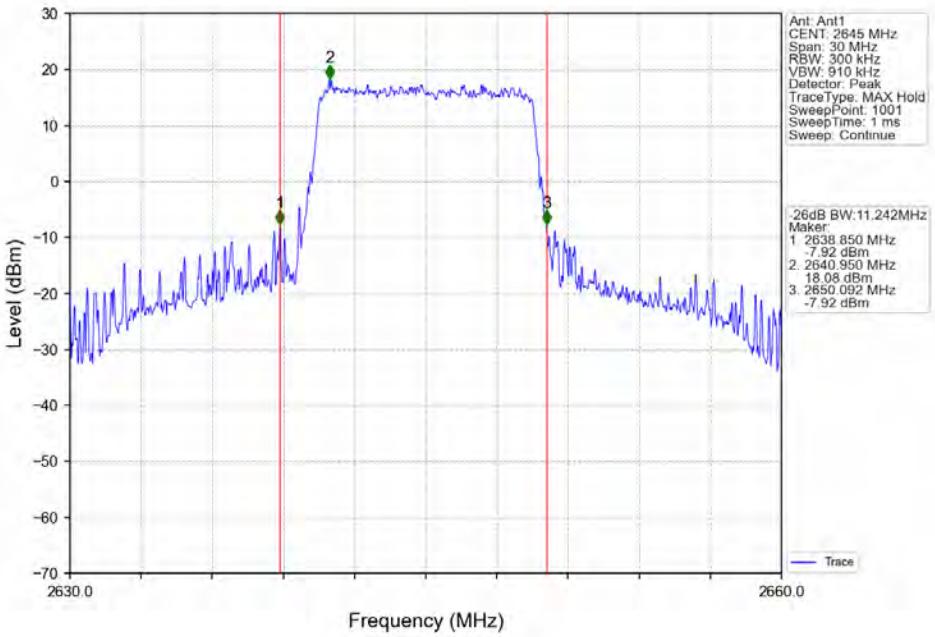
Band41_10MHz_QPSK_LCH_2555MHz_RB_50_0_NTNV



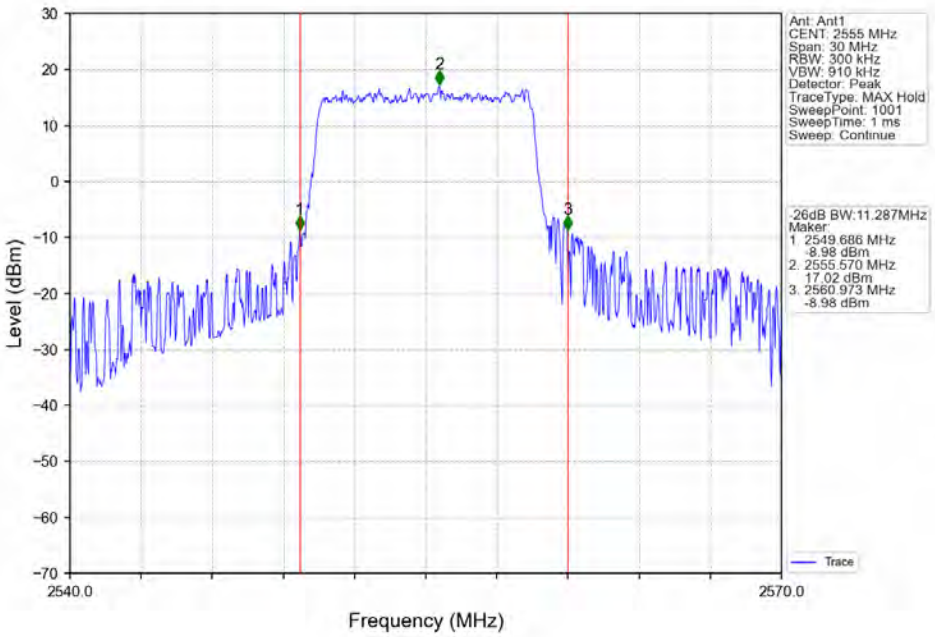

Band41_10MHz_QPSK_MCH_2600MHz_RB_50_0_NTNV



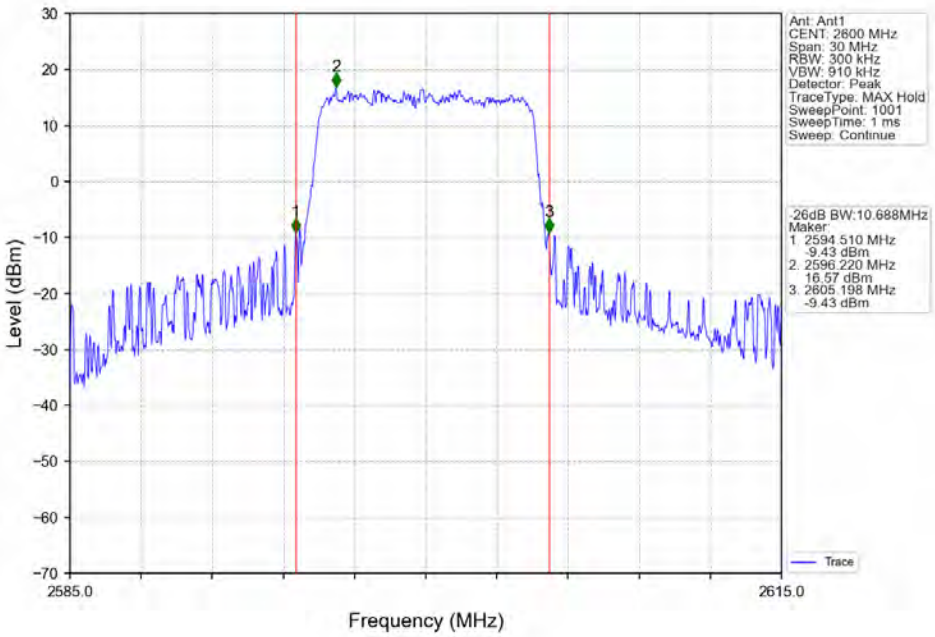
Band41_10MHz_QPSK_HCH_2645MHz_RB_50_0_NTNV



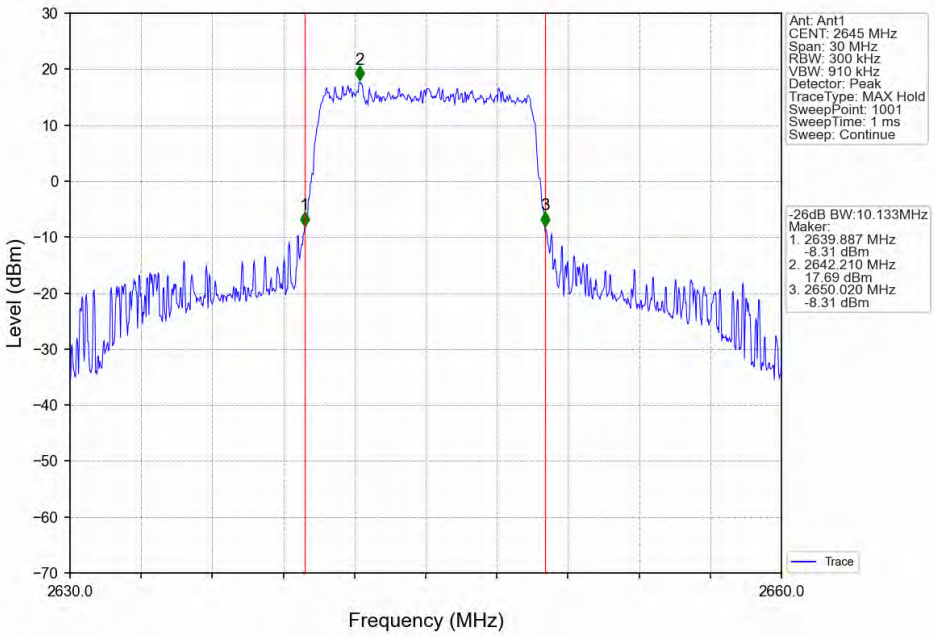

Band41_10MHz_16QAM_LCH_2555MHz_RB_50_0_NTNV



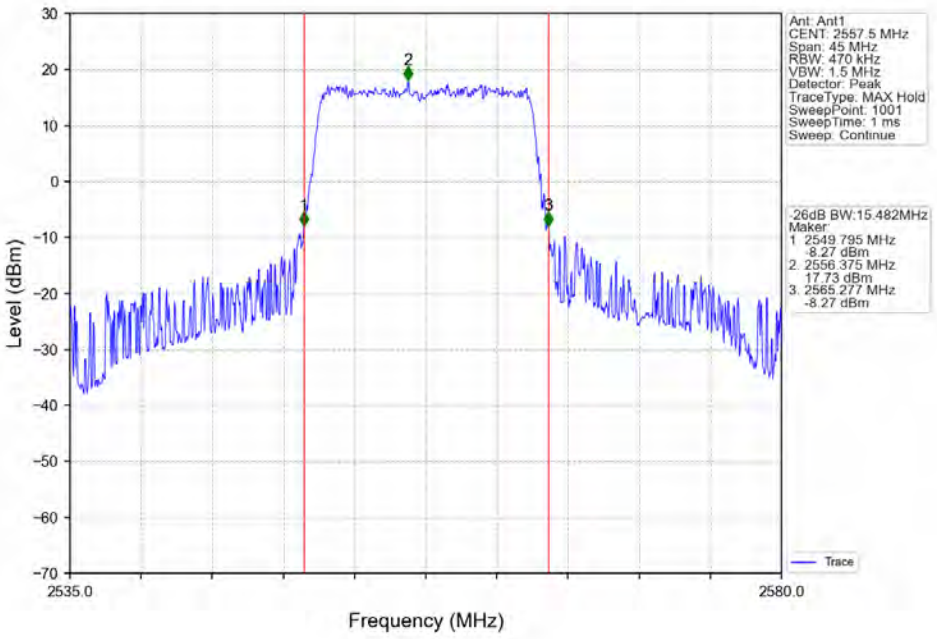
Band41_10MHz_16QAM_MCH_2600MHz_RB_50_0_NTNV



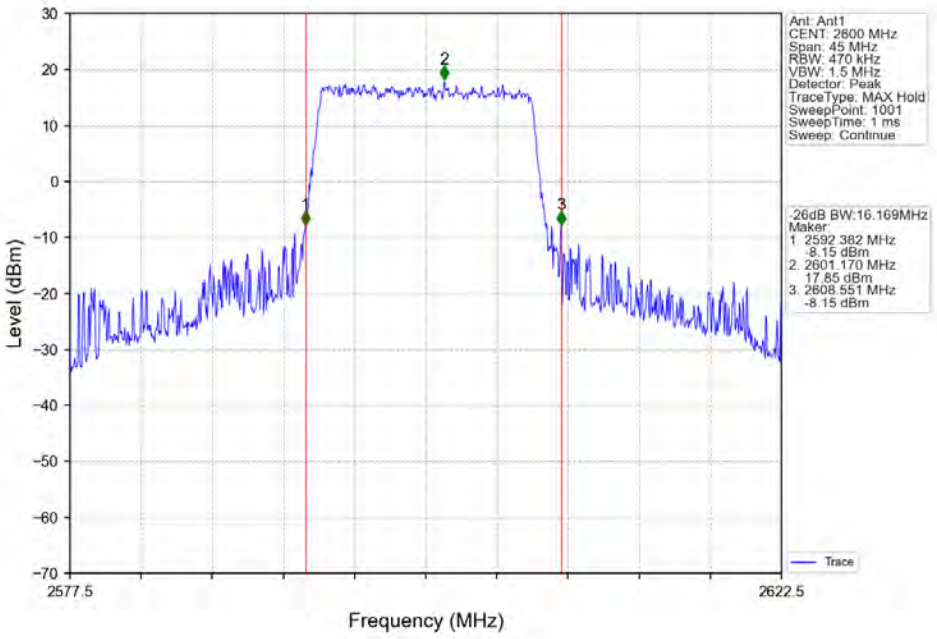

Band41_10MHz_16QAM_HCH_2645MHz_RB_50_0_NTNV



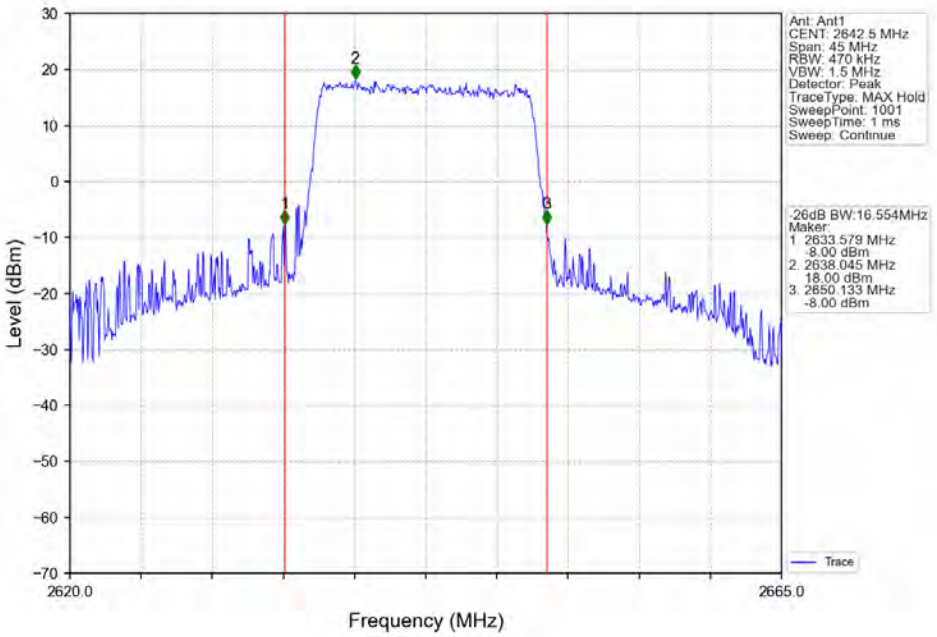
Band41_15MHz_QPSK_LCH_2557.5MHz_RB_75_0_NTNV



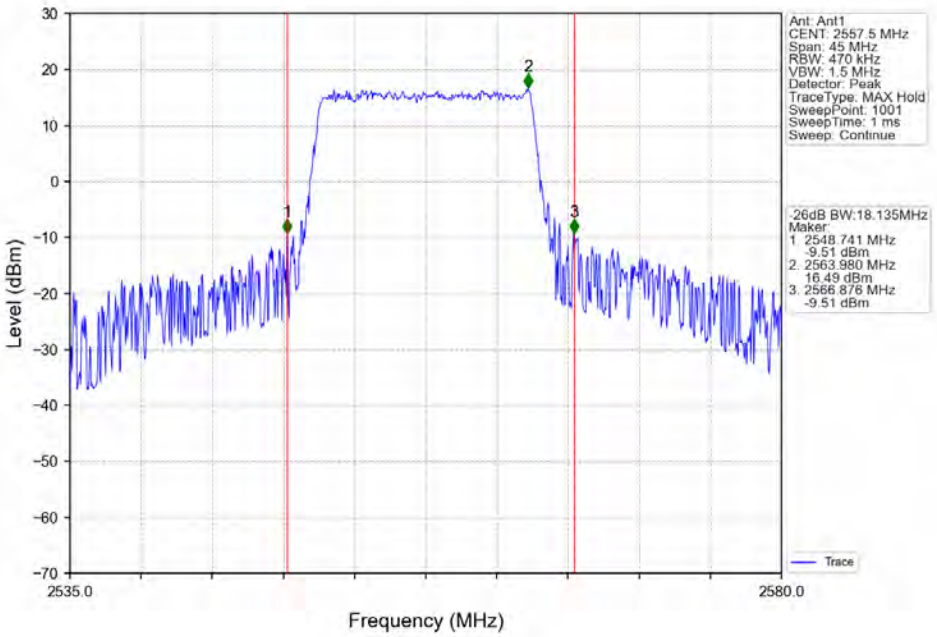

Band41_15MHz_QPSK_MCH_2600MHz_RB_75_0_NTNV



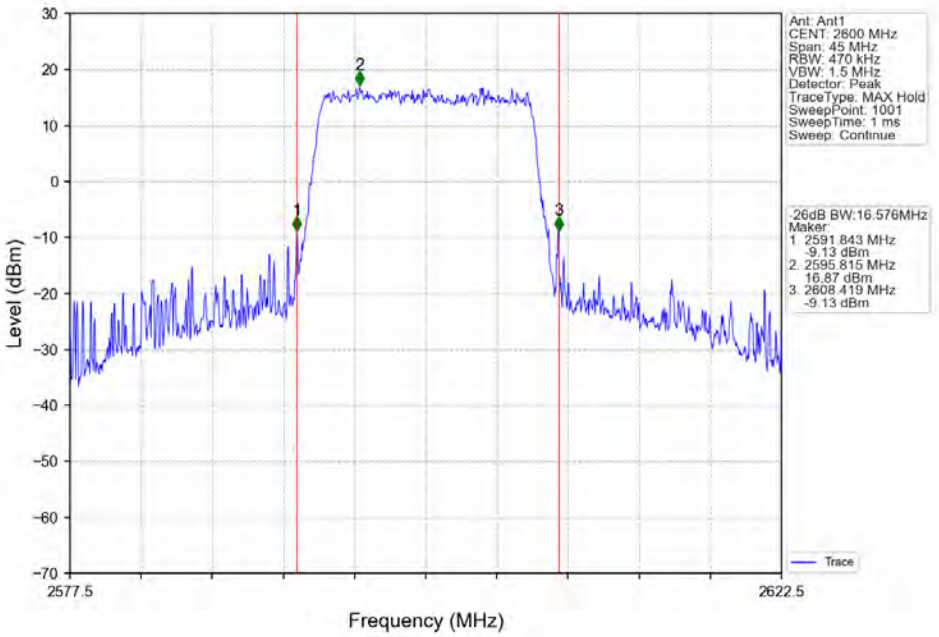
Band41_15MHz_QPSK_HCH_2642.5MHz_RB_75_0_NTNV



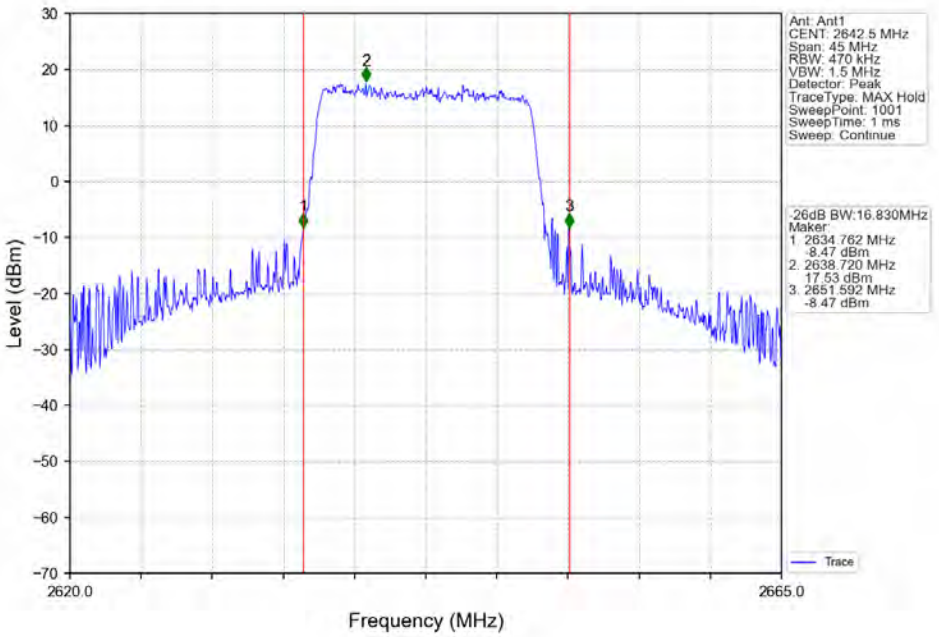

Band41_15MHz_16QAM_LCH_2557.5MHz_RB_75_0_NTNV



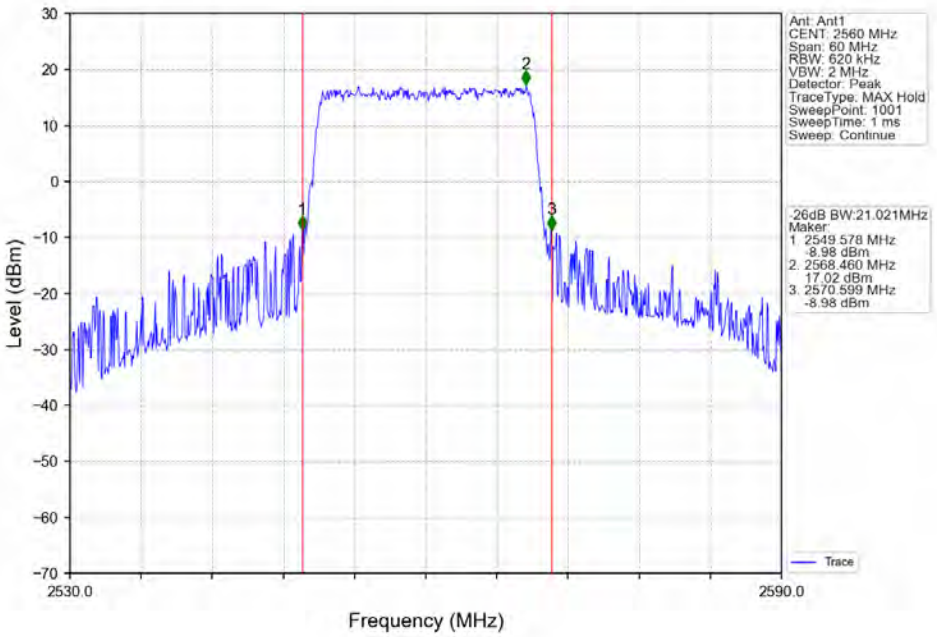
Band41_15MHz_16QAM_MCH_2600MHz_RB_75_0_NTNV



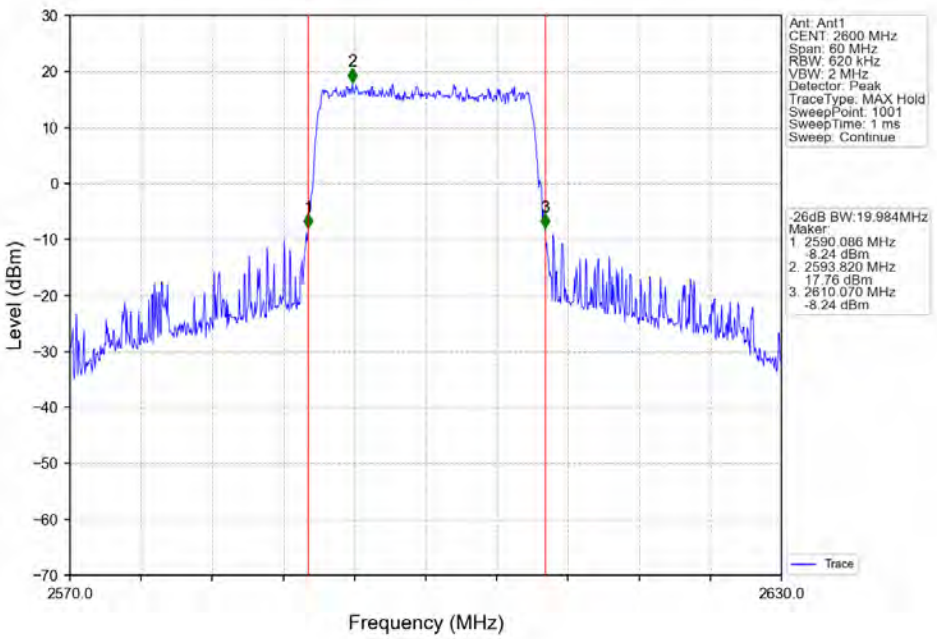

Band41_15MHz_16QAM_HCH_2642.5MHz_RB_75_0_NTNV



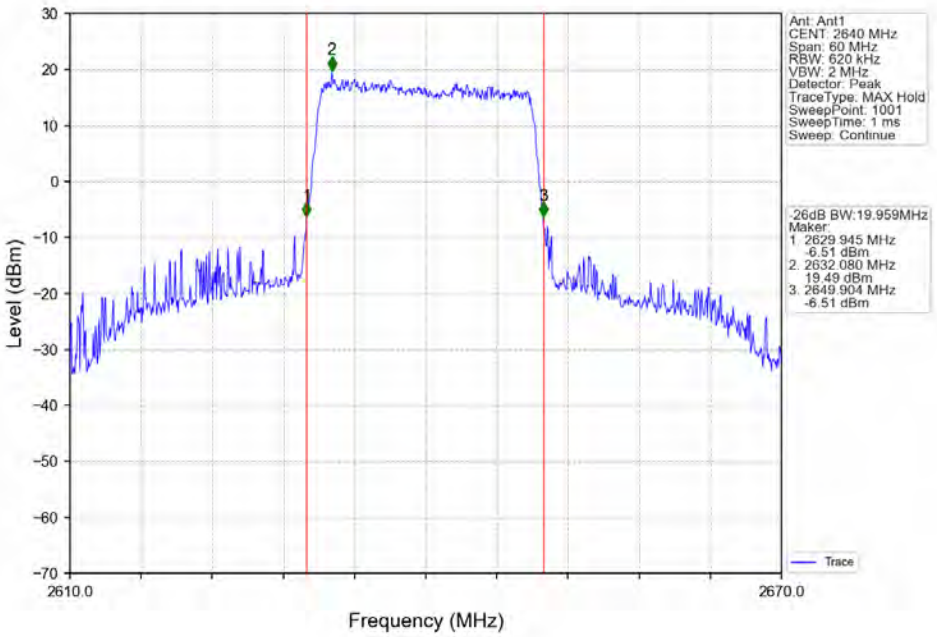
Band41_20MHz_QPSK_LCH_2560MHz_RB_100_0_NTNV



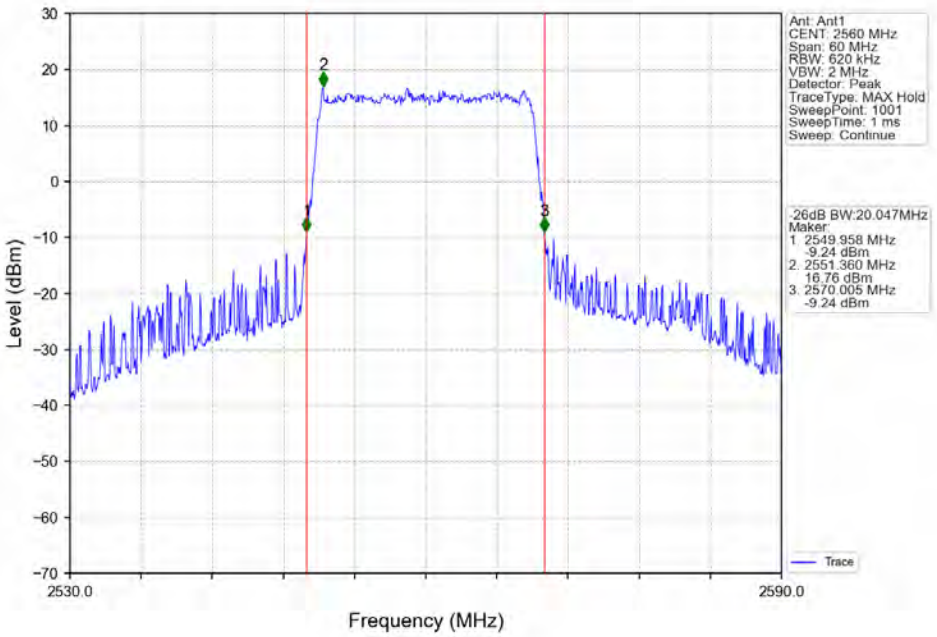

Band41_20MHz_QPSK_MCH_2600MHz_RB_100_0_NTNV



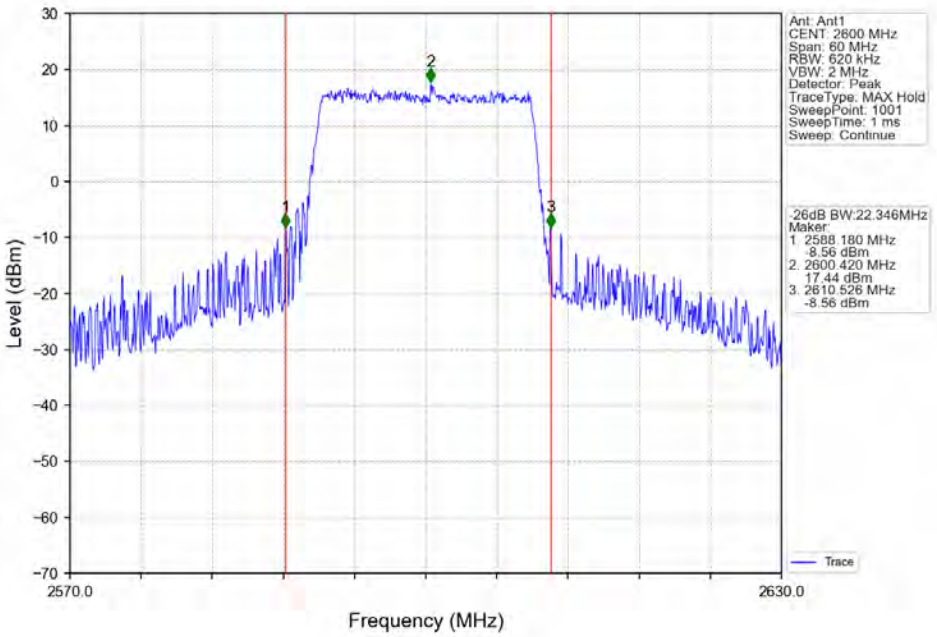
Band41_20MHz_QPSK_HCH_2640MHz_RB_100_0_NTNV



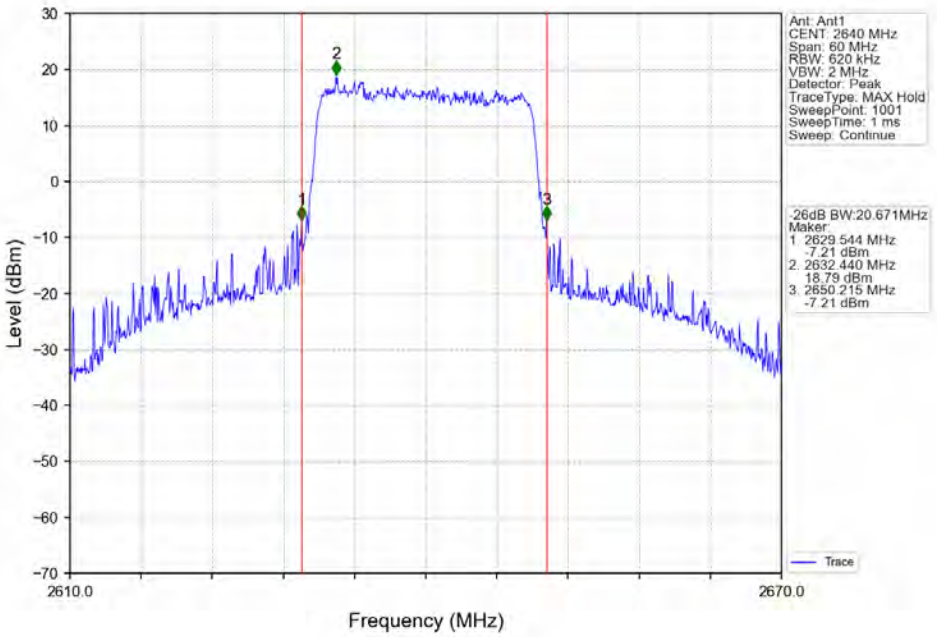

Band41_20MHz_16QAM_LCH_2560MHz_RB_100_0_NTNV



Band41_20MHz_16QAM_MCH_2600MHz_RB_100_0_NTNV




Band41_20MHz_16QAM_HCH_2640MHz_RB_100_0_NTNV



# 5. Peak-Average Ratio

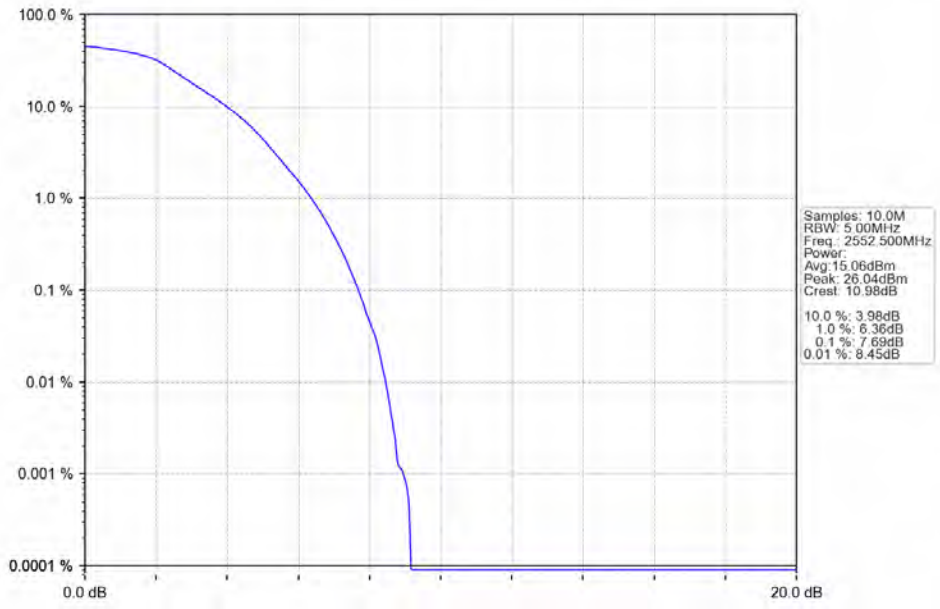
## 5.1 B41_5MHz

### 5.1.1 Test Result

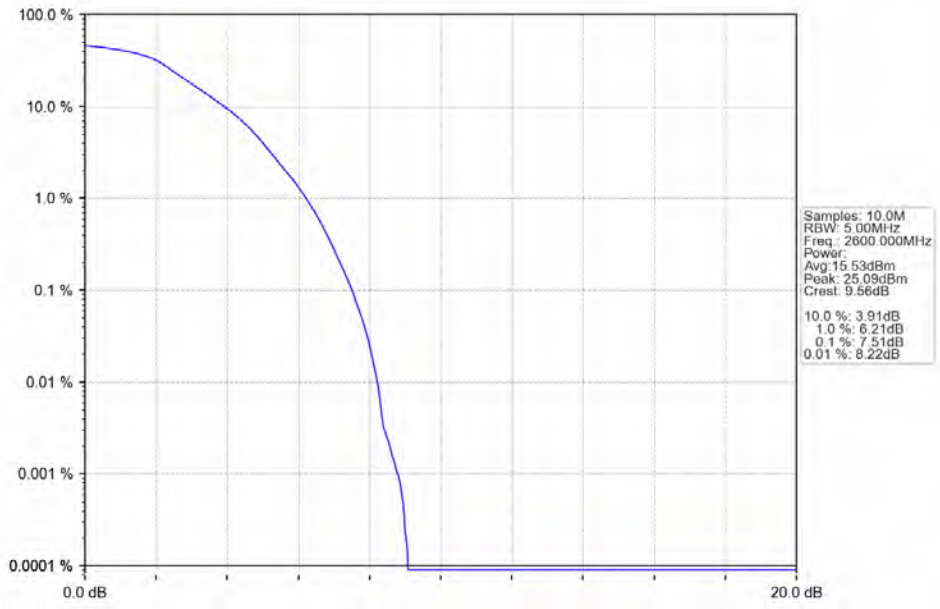
| Band: 41 / Bandwidth: 5MHz / NTNV | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Peak-Average Ratio (dB) | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 2552.5 | 25 | 0 | 7.69 | <=13 | Pass |
| | 2600 | 25 | 0 | 7.51 | <=13 | Pass |
| | 2647.5 | 25 | 0 | 7.19 | <=13 | Pass |
| 16QAM | 2552.5 | 25 | 0 | 7.97 | <=13 | Pass |
| | 2600 | 25 | 0 | 8.14 | <=13 | Pass |
| | 2647.5 | 25 | 0 | 8.17 | <=13 | Pass |

## 5.1.2 Test Graph

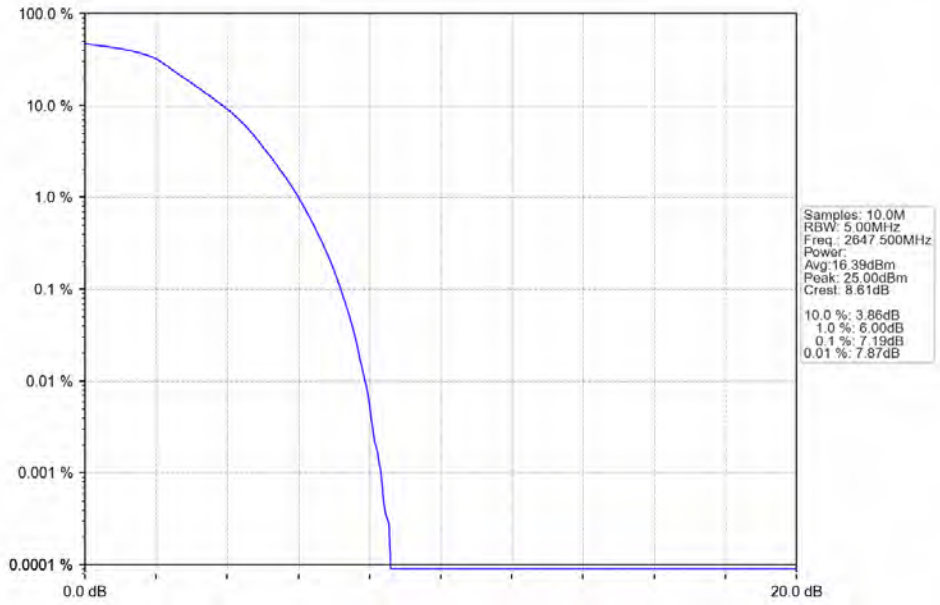
Band41_5MHz_QPSK_LCH_2552.5MHz_RB_25_0_NTNV



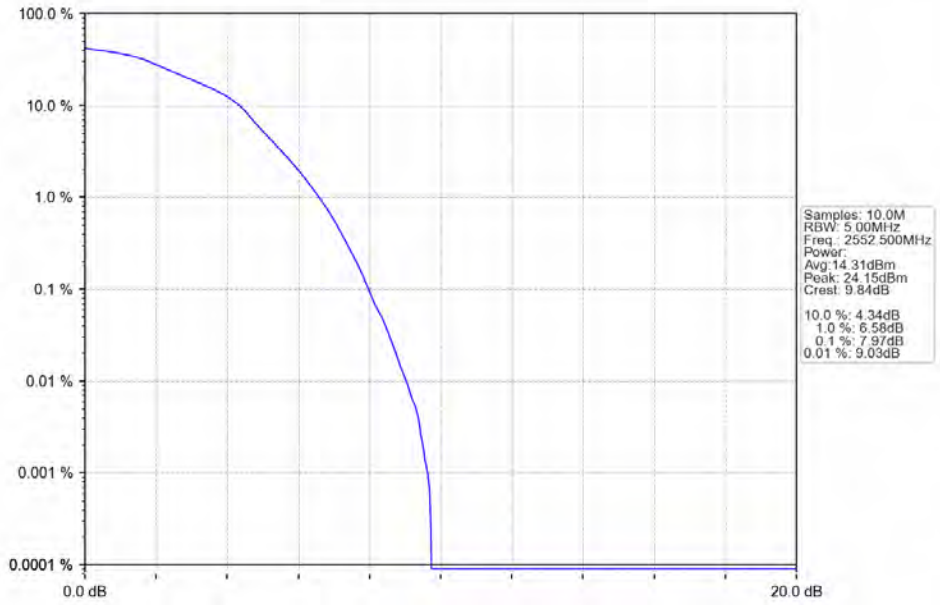

Band41_5MHz_QPSK_MCH_2600MHz_RB_25_0_NTNV



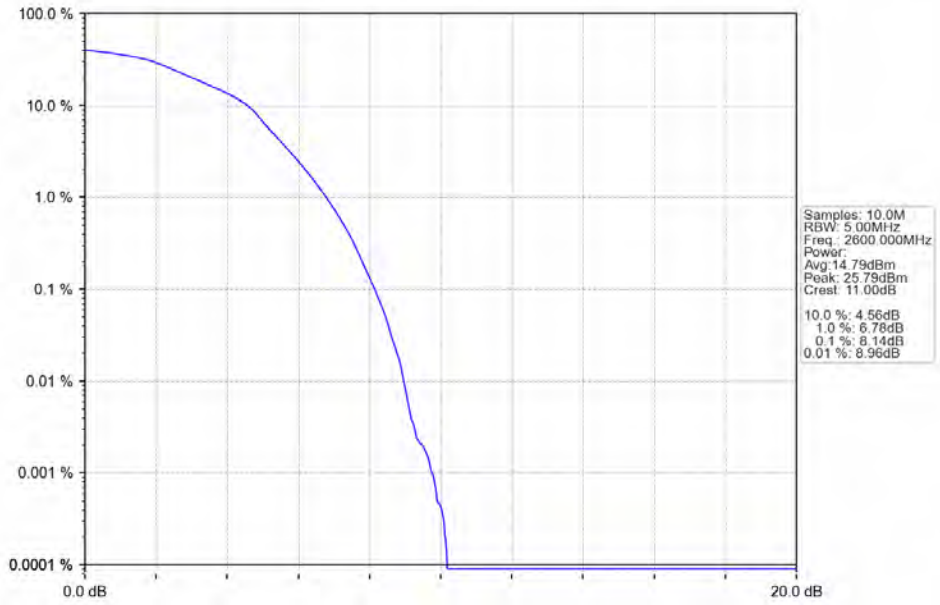
Band41_5MHz_QPSK_HCH_2647.5MHz_RB_25_0_NTNV



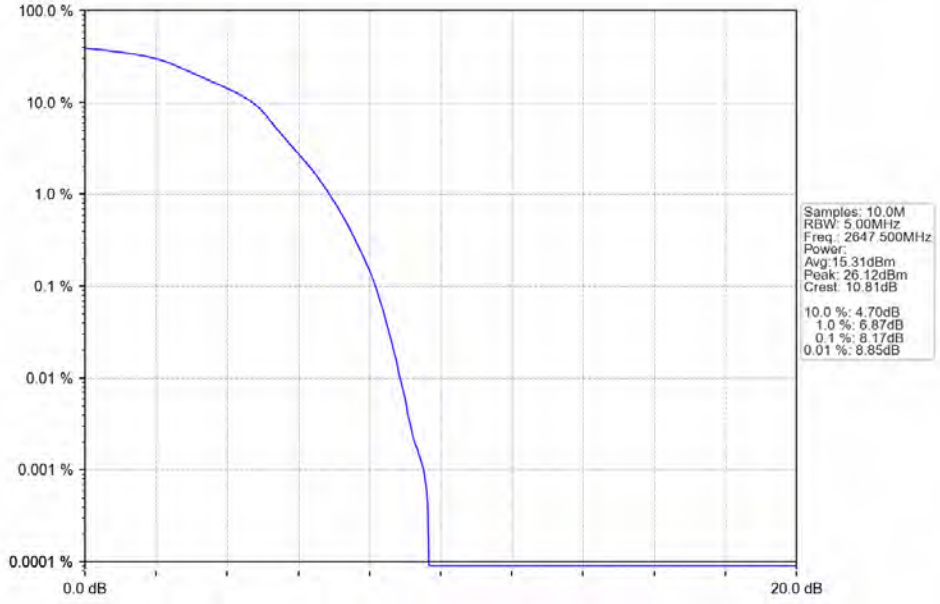

Band41_5MHz_16QAM_LCH_2552.5MHz_RB_25_0_NTNV



Band41_5MHz_16QAM_MCH_2600MHz_RB_25_0_NTNV




Band41_5MHz_16QAM_HCH_2647.5MHz_RB_25_0_NTNV



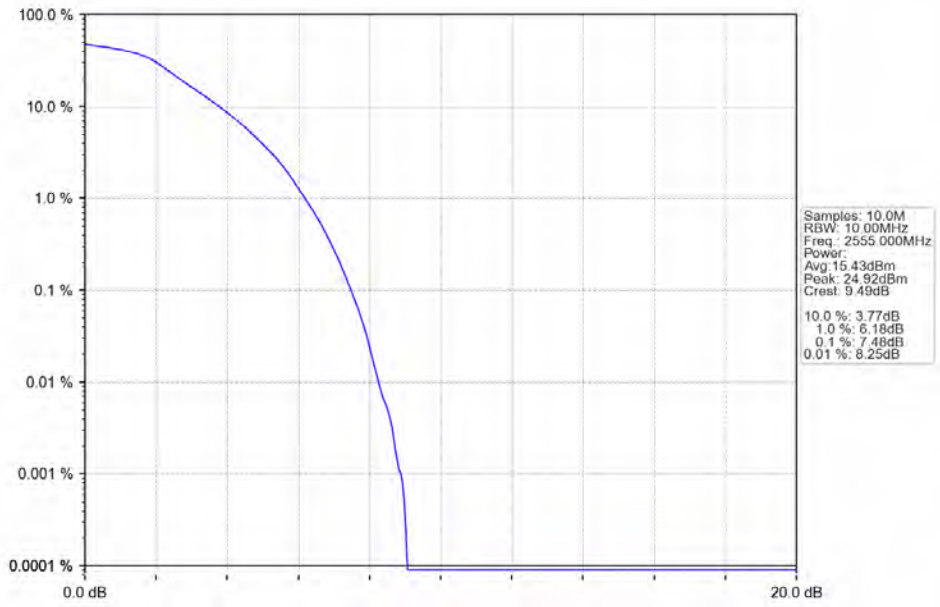
## 5.2 B41_10MHz

### 5.2.1 Test Result

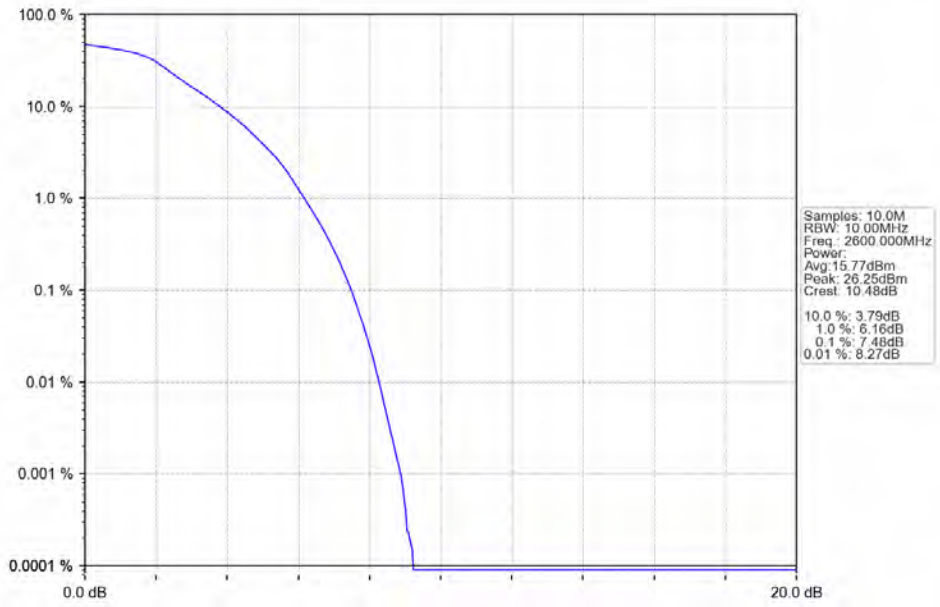
| Band: 41 / Bandwidth: 10MHz / NTNV | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Peak-Average Ratio (dB) | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 2555 | 50 | 0 | 7.48 | <=13 | Pass |
| | 2600 | 50 | 0 | 7.48 | <=13 | Pass |
| | 2645 | 50 | 0 | 7.57 | <=13 | Pass |
| 16QAM | 2555 | 50 | 0 | 7.49 | <=13 | Pass |
| | 2600 | 50 | 0 | 7.49 | <=13 | Pass |
| | 2645 | 50 | 0 | 7.38 | <=13 | Pass |

## 5.2.2 Test Graph

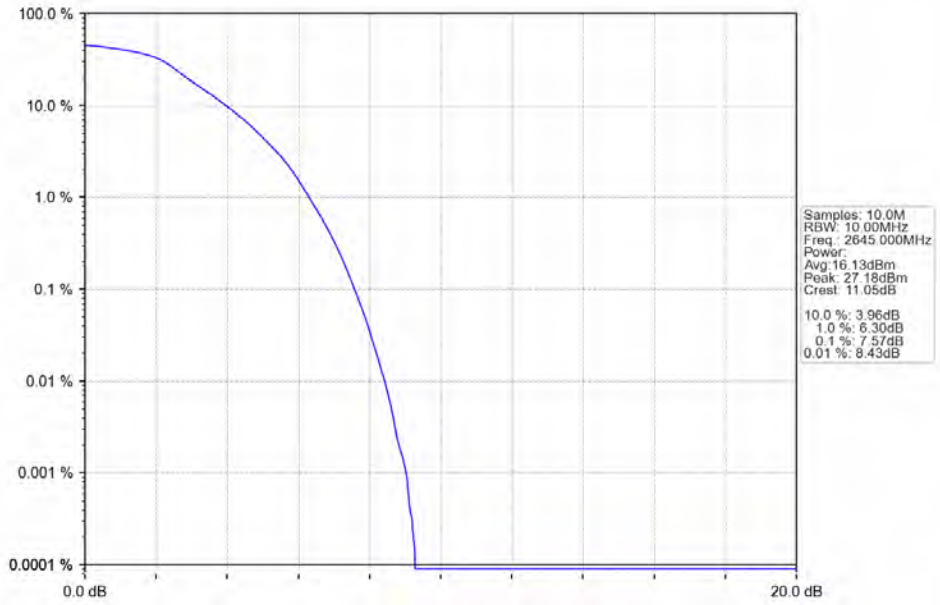
Band41_10MHz_QPSK_LCH_2555MHz_RB_50_0_NTNV



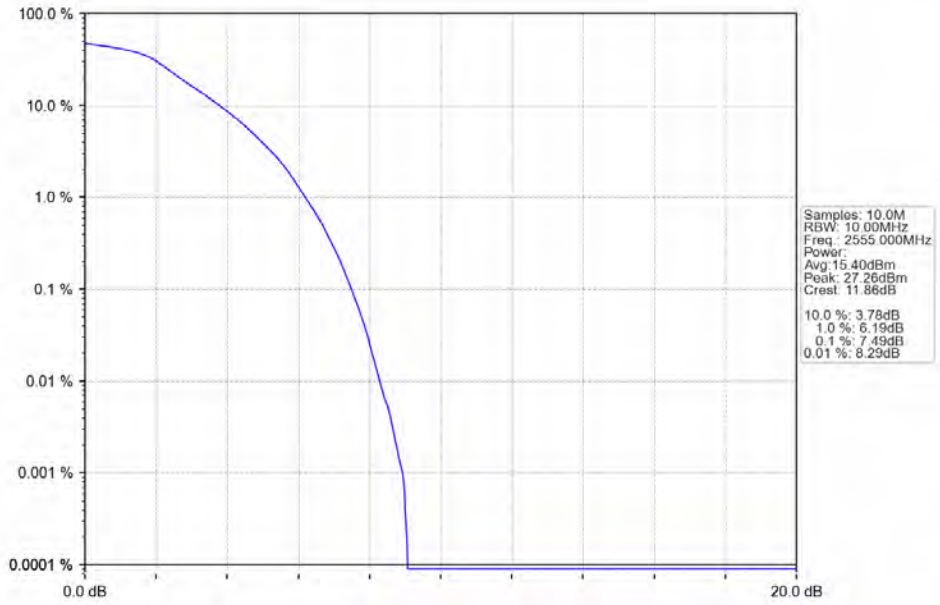

Band41_10MHz_QPSK_MCH_2600MHz_RB_50_0_NTNV



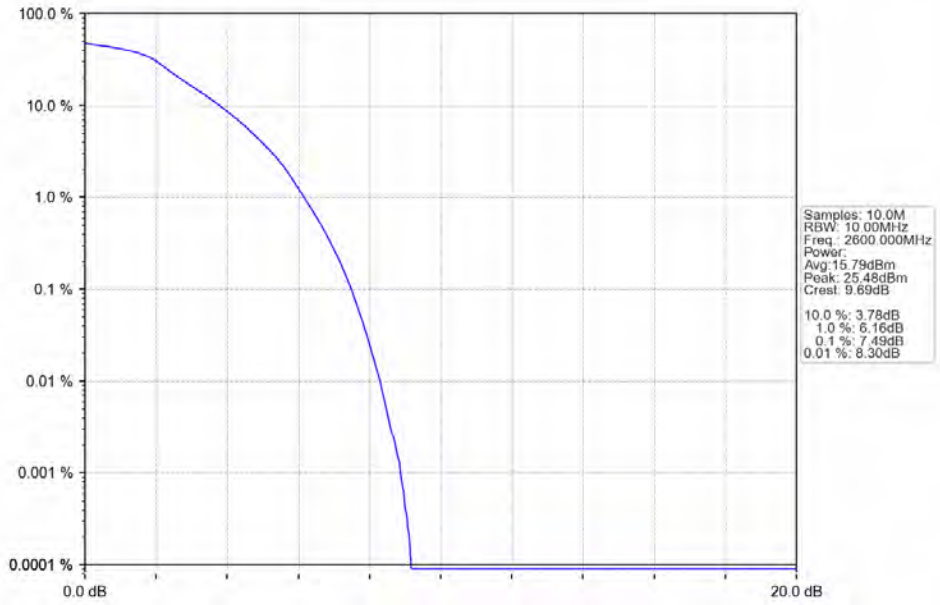
Band41_10MHz_QPSK_HCH_2645MHz_RB_50_0_NTNV



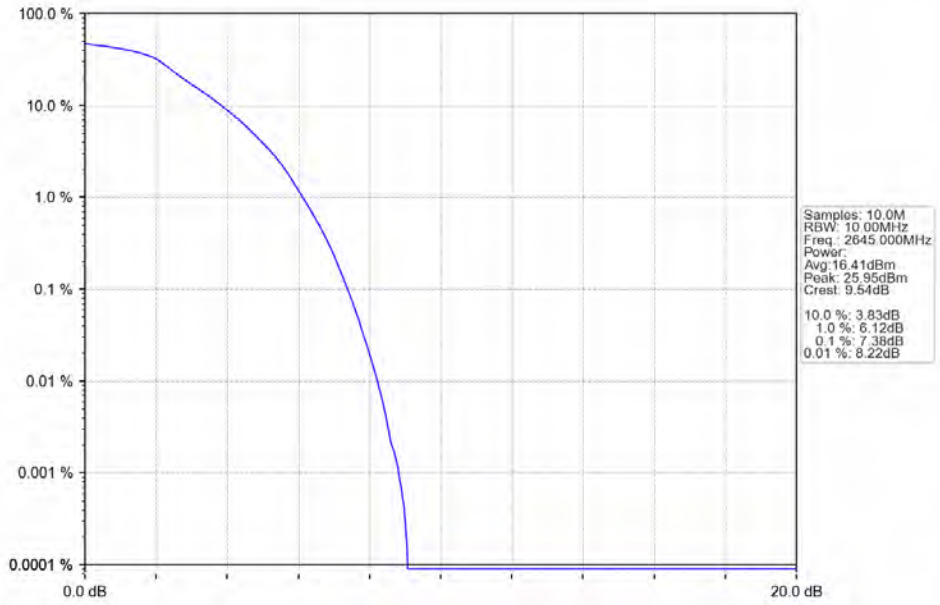

Band41_10MHz_16QAM_LCH_2555MHz_RB_50_0_NTNV



Band41_10MHz_16QAM_MCH_2600MHz_RB_50_0_NTNV




Band41_10MHz_16QAM_HCH_2645MHz_RB_50_0_NTNV



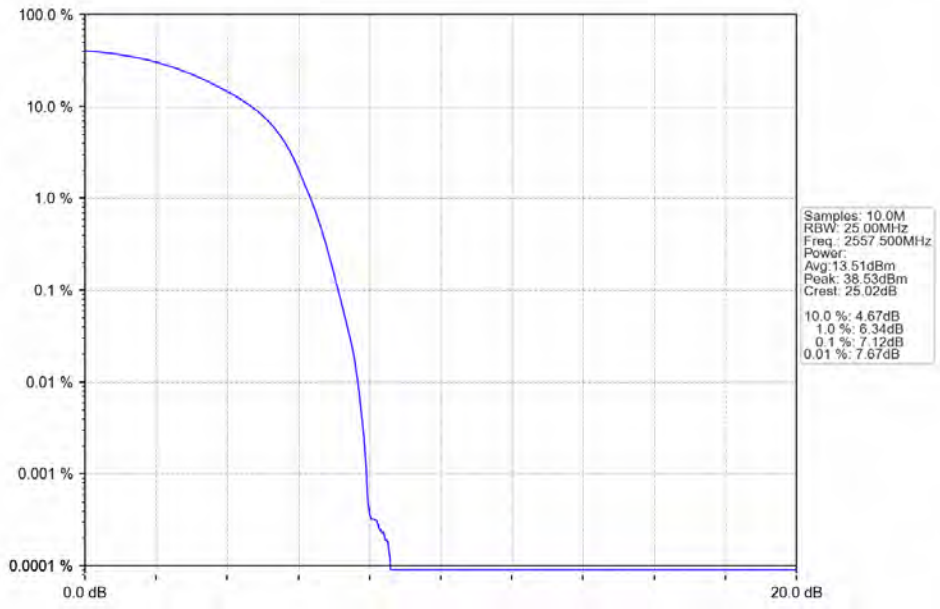
## 5.3 B41_15MHz

### 5.3.1 Test Result

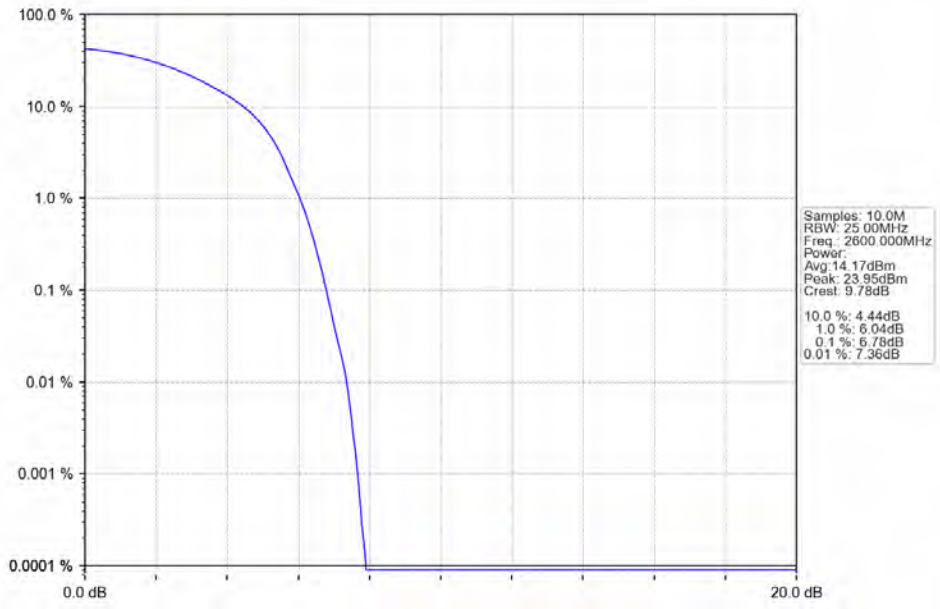
| Band: 41 / Bandwidth: 15MHz / NTNV | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Peak-Average Ratio (dB) | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 2557.5 | 75 | 0 | 7.12 | <=13 | Pass |
| | 2600 | 75 | 0 | 6.78 | <=13 | Pass |
| | 2642.5 | 75 | 0 | 6.85 | <=13 | Pass |
| 16QAM | 2557.5 | 75 | 0 | 8.83 | <=13 | Pass |
| | 2600 | 75 | 0 | 8.16 | <=13 | Pass |
| | 2642.5 | 75 | 0 | 8.06 | <=13 | Pass |

## 5.3.2 Test Graph

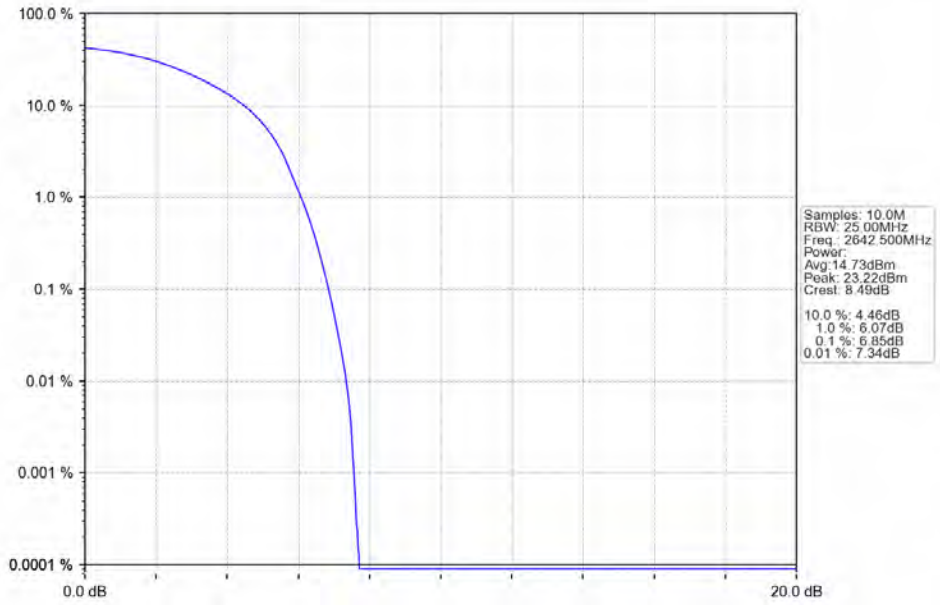
Band41_15MHz_QPSK_LCH_2557.5MHz_RB_75_0_NTNV



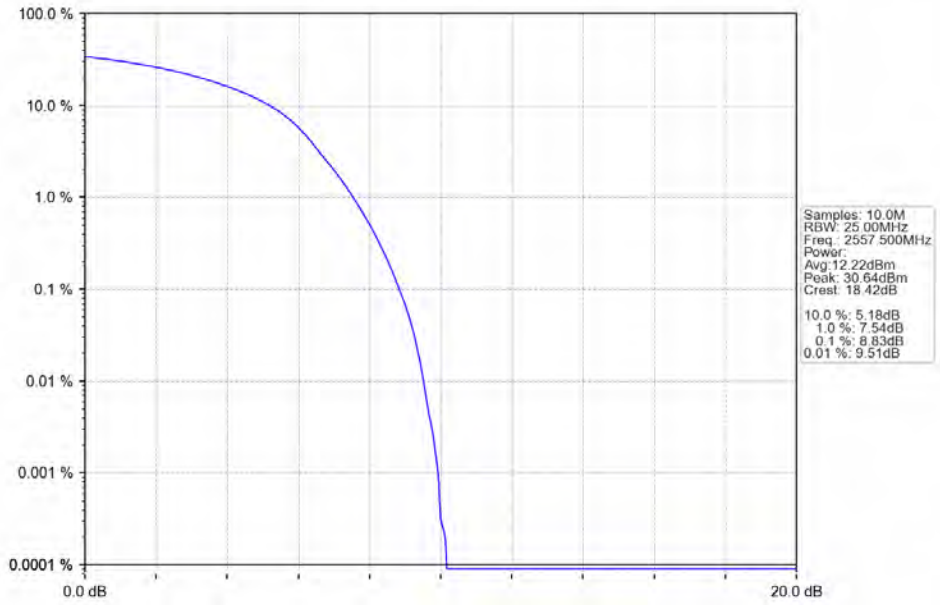

Band41_15MHz_QPSK_MCH_2600MHz_RB_75_0_NTNV



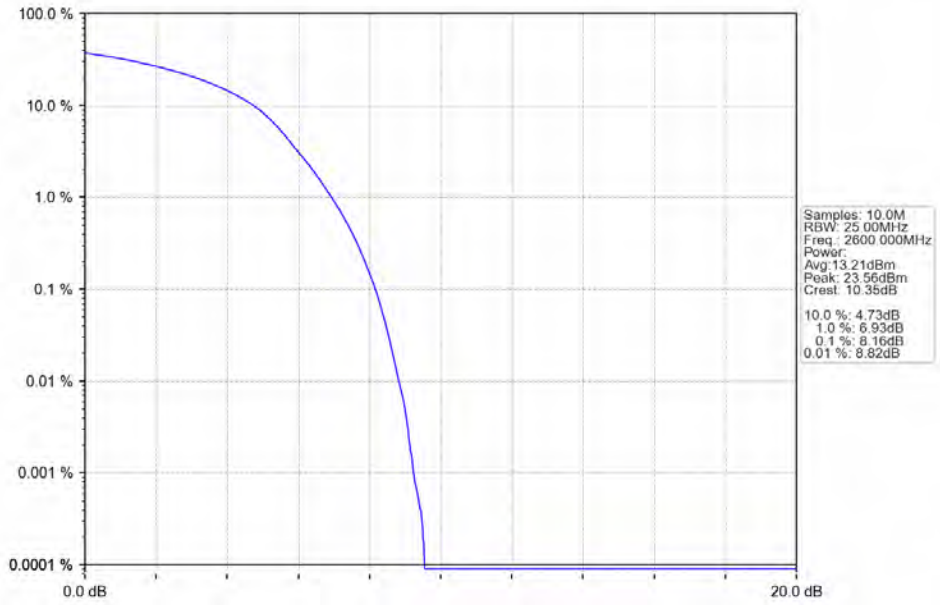
Band41_15MHz_QPSK_HCH_2642.5MHz_RB_75_0_NTNV



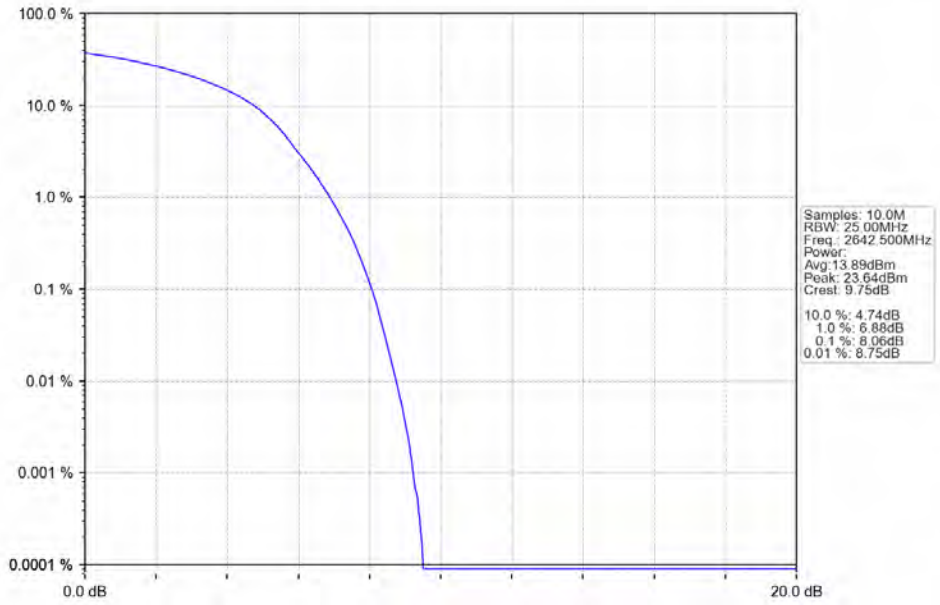

Band41_15MHz_16QAM_LCH_2557.5MHz_RB_75_0_NTNV



Band41_15MHz_16QAM_MCH_2600MHz_RB_75_0_NTNV




Band41_15MHz_16QAM_HCH_2642.5MHz_RB_75_0_NTNV



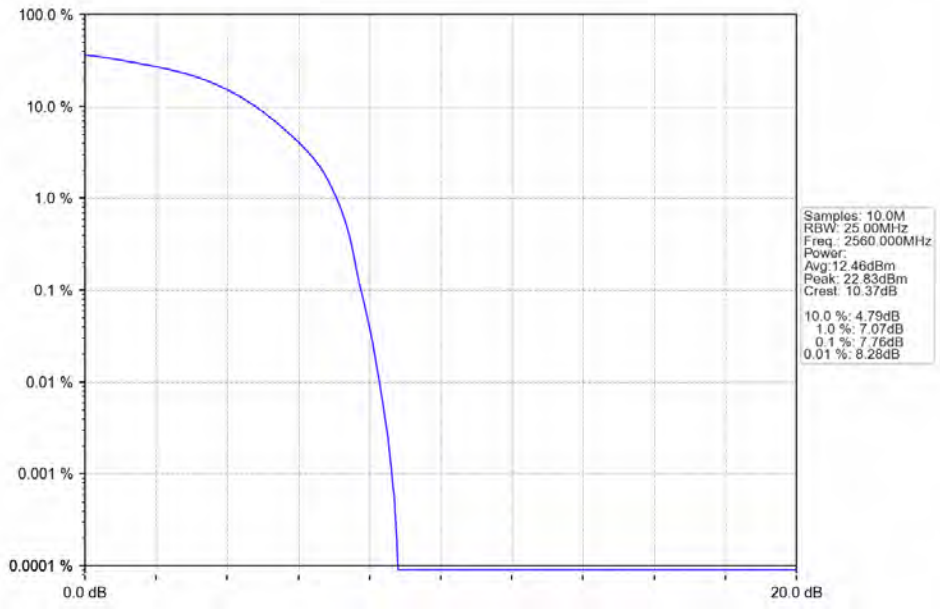
## 5.4 B41_20MHz

### 5.4.1 Test Result

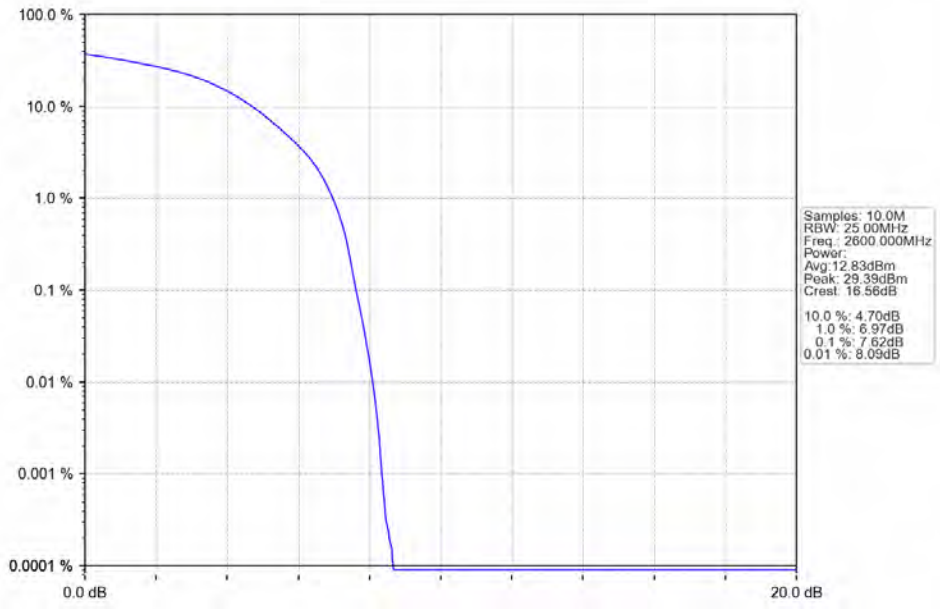
| Band: 41 / Bandwidth: 20MHz / NTNV | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Peak-Average Ratio (dB) | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 2560 | 100 | 0 | 7.76 | <=13 | Pass |
| | 2600 | 100 | 0 | 7.62 | <=13 | Pass |
| | 2640 | 100 | 0 | 7.82 | <=13 | Pass |
| 16QAM | 2560 | 100 | 0 | 7.79 | <=13 | Pass |
| | 2600 | 100 | 0 | 7.94 | <=13 | Pass |
| | 2640 | 100 | 0 | 7.84 | <=13 | Pass |

## 5.4.2 Test Graph

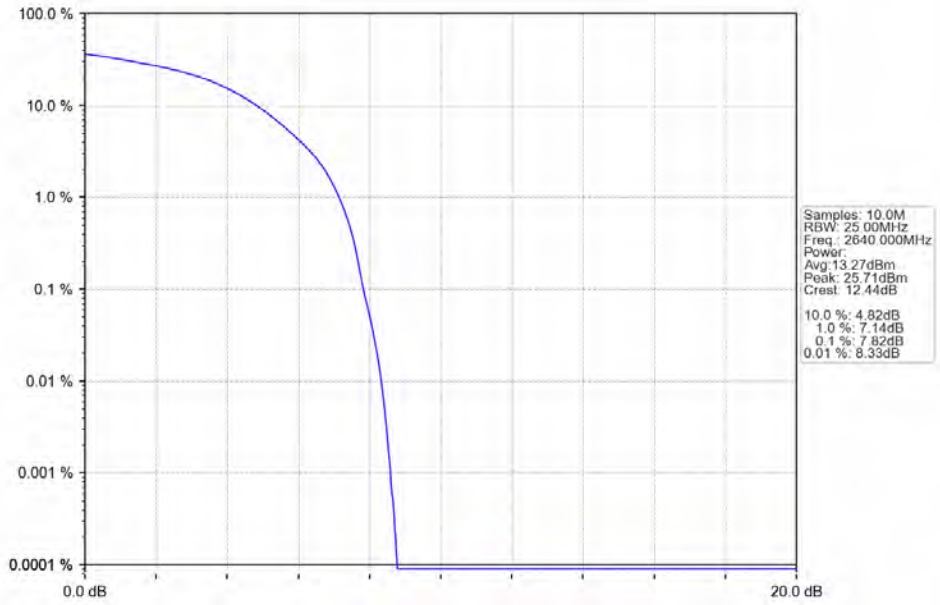
Band41_20MHz_QPSK_LCH_2560MHz_RB_100_0_NTNV



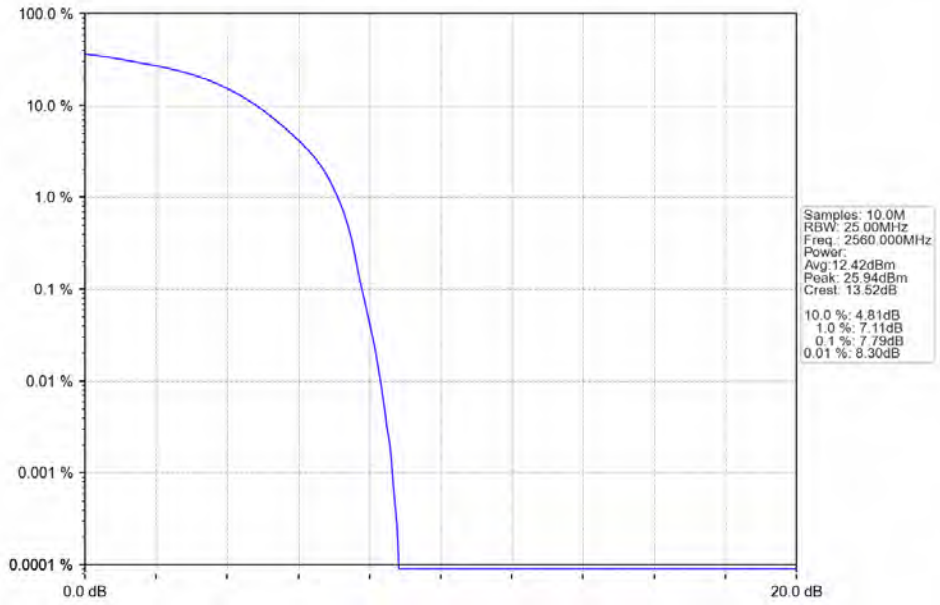

Band41_20MHz_QPSK_MCH_2600MHz_RB_100_0_NTNV



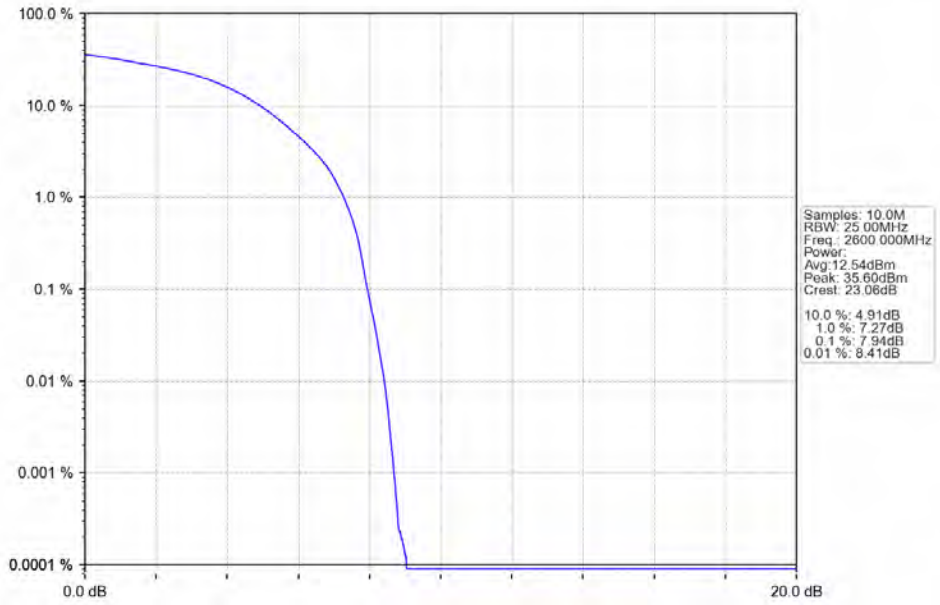
Band41_20MHz_QPSK_HCH_2640MHz_RB_100_0_NTNV



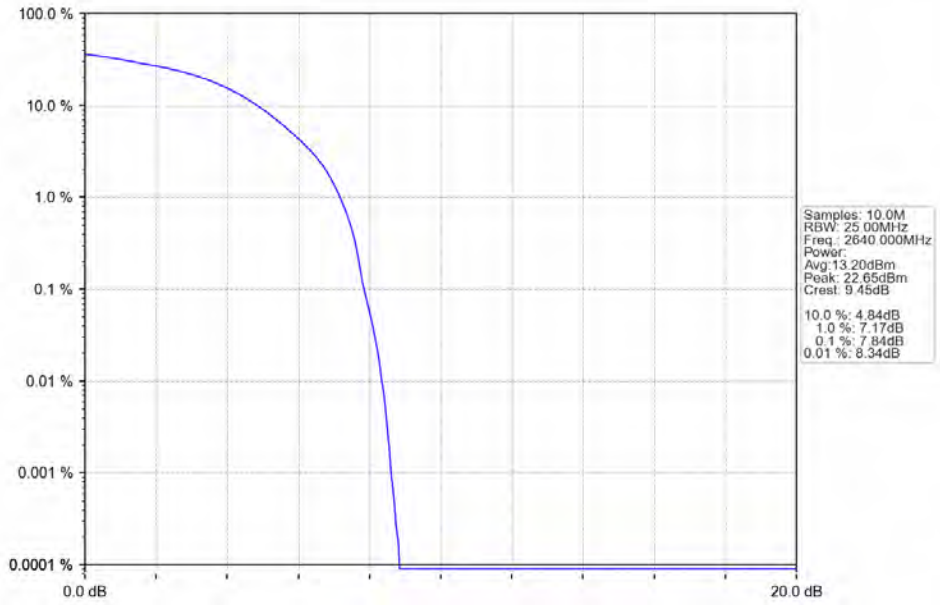

Band41_20MHz_16QAM_LCH_2560MHz_RB_100_0_NTNV



Band41_20MHz_16QAM_MCH_2600MHz_RB_100_0_NTNV




Band41_20MHz_16QAM_HCH_2640MHz_RB_100_0_NTNV



# 6. Spurious Emission

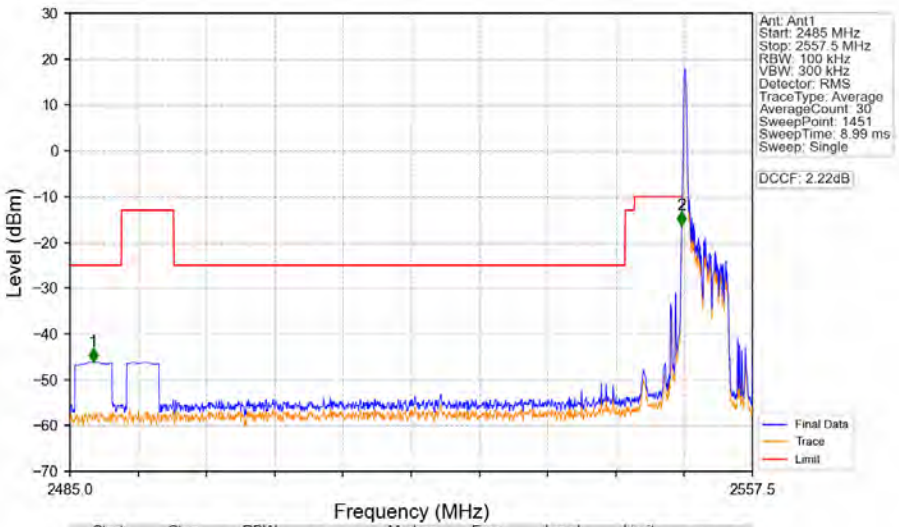
## 6.1 B41_5MHz

### 6.1.1 Test Result

| Band: 41 / Bandwidth: 5MHz / NTNV | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Spurious Emission | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 2552.5 | 1 | 0 | Refer To Test Graph | | Pass |
| | | 25 | 0 | Refer To Test Graph | | Pass |
| | 2600 | 1 | 0 | Refer To Test Graph | | Pass |
| | 2647.5 | 1 | 0 | Refer To Test Graph | | Pass |
| | | | 24 | Refer To Test Graph | | Pass |
| | | 25 | 0 | Refer To Test Graph | | Pass |
| 16QAM | 2552.5 | 1 | 0 | Refer To Test Graph | | Pass |
| | | 25 | 0 | Refer To Test Graph | | Pass |
| | 2600 | 1 | 0 | Refer To Test Graph | | Pass |
| | 2647.5 | 1 | 0 | Refer To Test Graph | | Pass |
| | | | 24 | Refer To Test Graph | | Pass |
| | | 25 | 0 | Refer To Test Graph | | Pass |

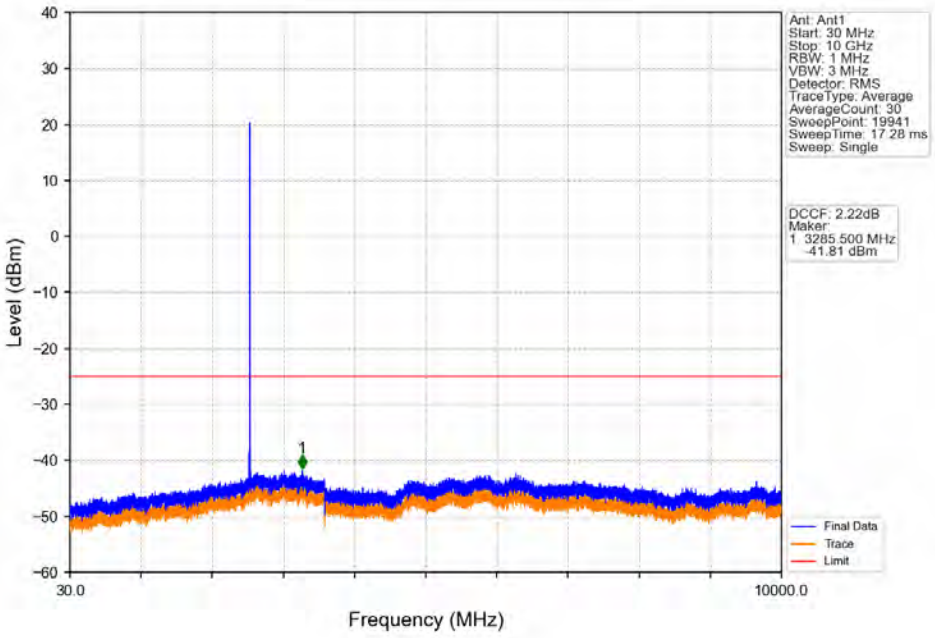
## 6.1.2 Test Graph

Band41_5MHz_QPSK_LCH_2552.5MHz_RB_1_0_NTNV

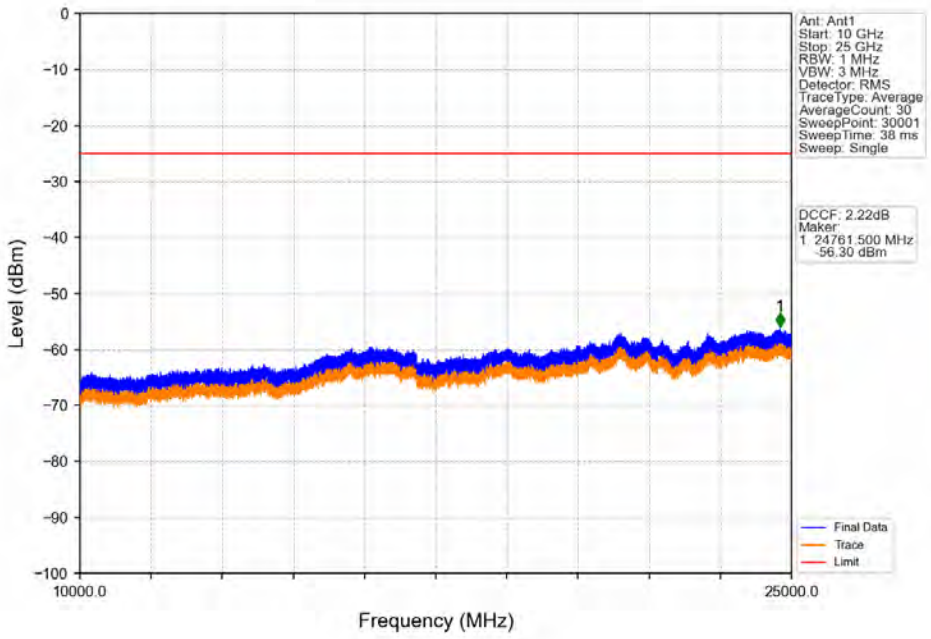



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 2485 | 2495 | 1 | CHP | 1 | 2487.450 | -46.12 | -25 | Pass |
| 2495 | 2557.5 | 0.1 | / | 2 | 2550.000 | -16.32 | -10 | Pass |
| 2557.5 | 2557.5 | 0.1 | / | / | / | / | / | / |

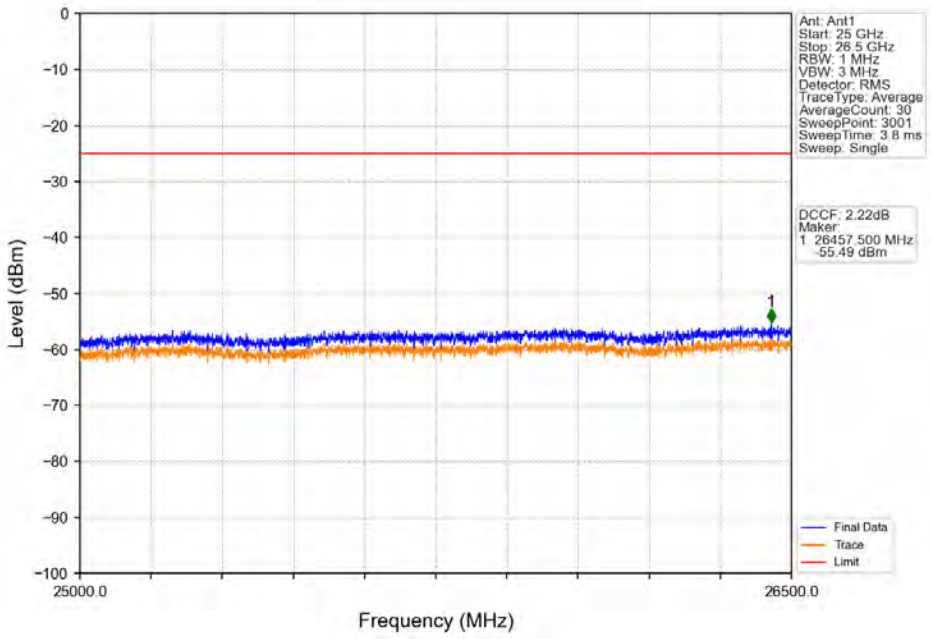
Band41_5MHz_QPSK_LCH_2552.5MHz_RB_1_0_NTNV



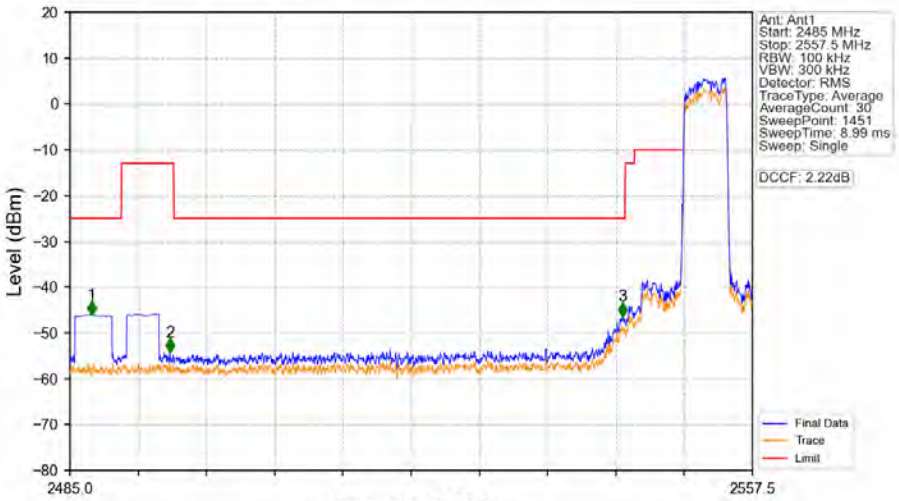
Band41_5MHz_QPSK_LCH_2552.5MHz_RB_1_0_NTNV




Band41_5MHz_QPSK_LCH_2552.5MHz_RB_1_0_NTNV

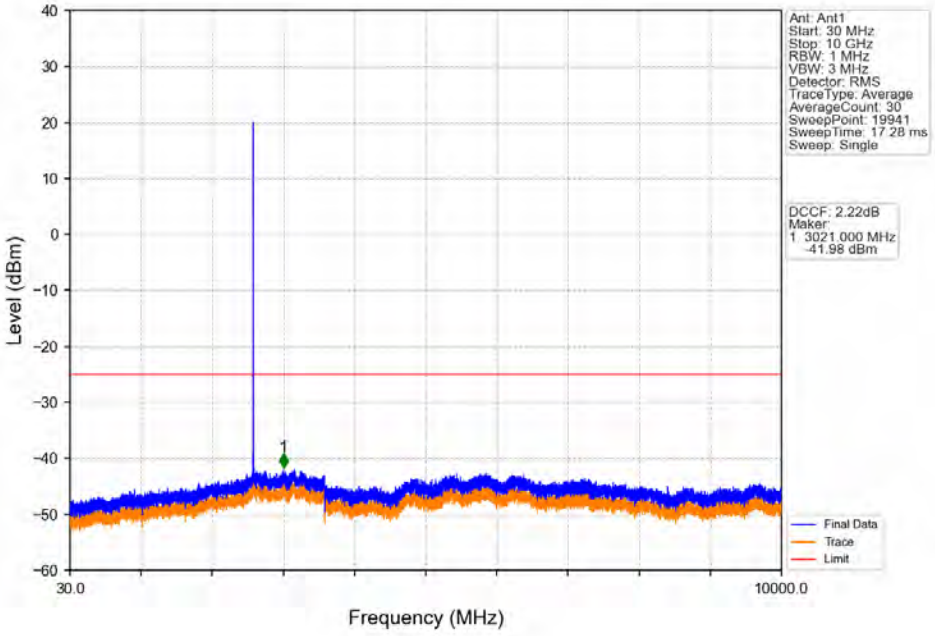


Band41_5MHz_QPSK_LCH_2552.5MHz_RB_25_0_NTNV

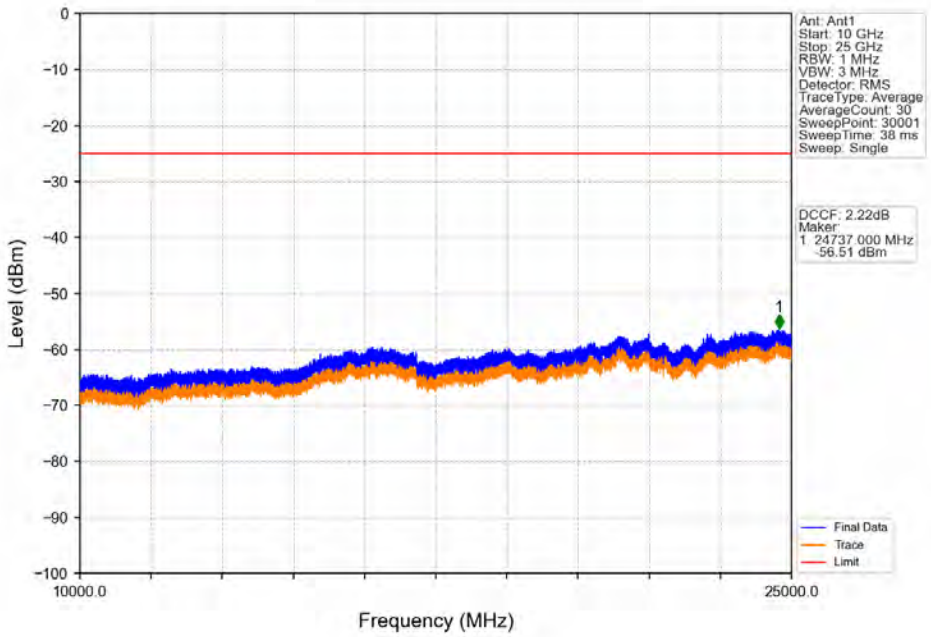



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 2485 | 2495 | 1 | CHP | 1 | 2487.300 | -46.05 | -25 | Pass |
| 2495 | 2496 | 0.1 | / | 2 | 2495.600 | -54.31 | -13 | Pass |
| 2496 | 2557.5 | 0.107 | / | 3 | 2543.700 | -46.41 | -25 | Pass |
| 2557.5 | 2557.5 | 0.107 | / | / | / | / | / | / |

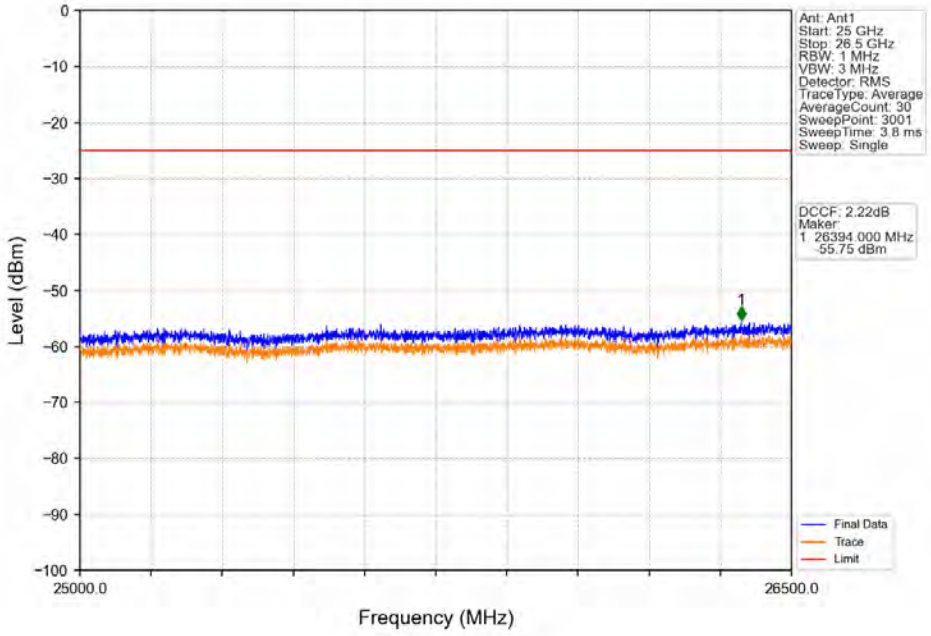
Band41_5MHz_QPSK_MCH_2600MHz_RB_1_0_NTNV



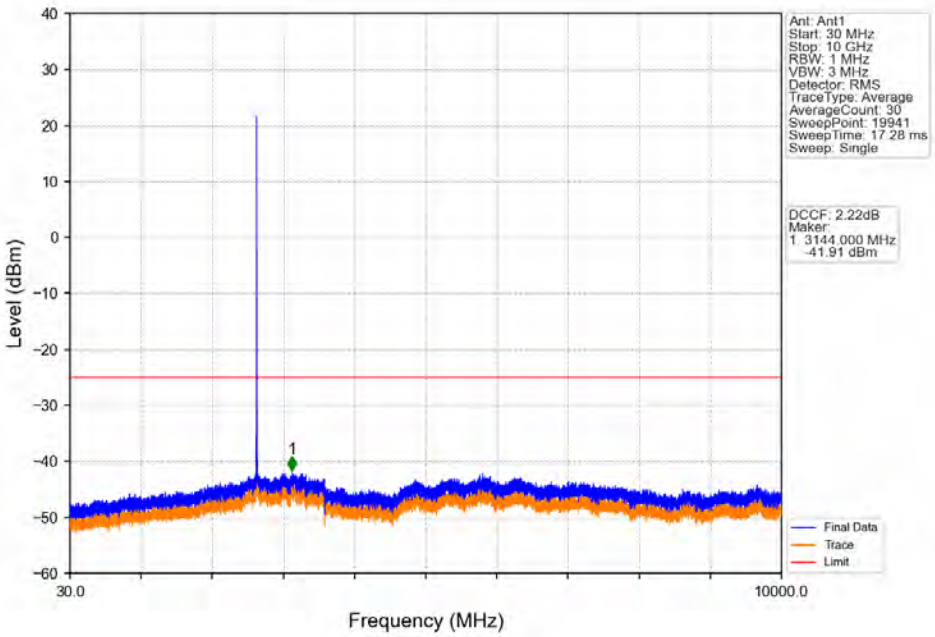
Band41_5MHz_QPSK_MCH_2600MHz_RB_1_0_NTNV



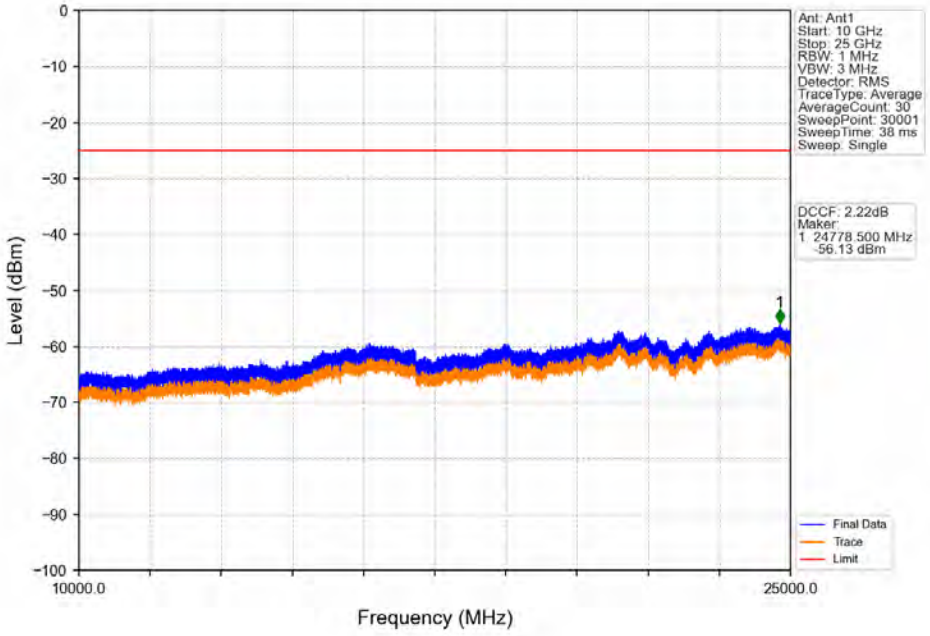

Band41_5MHz_QPSK_MCH_2600MHz_RB_1_0_NTNV



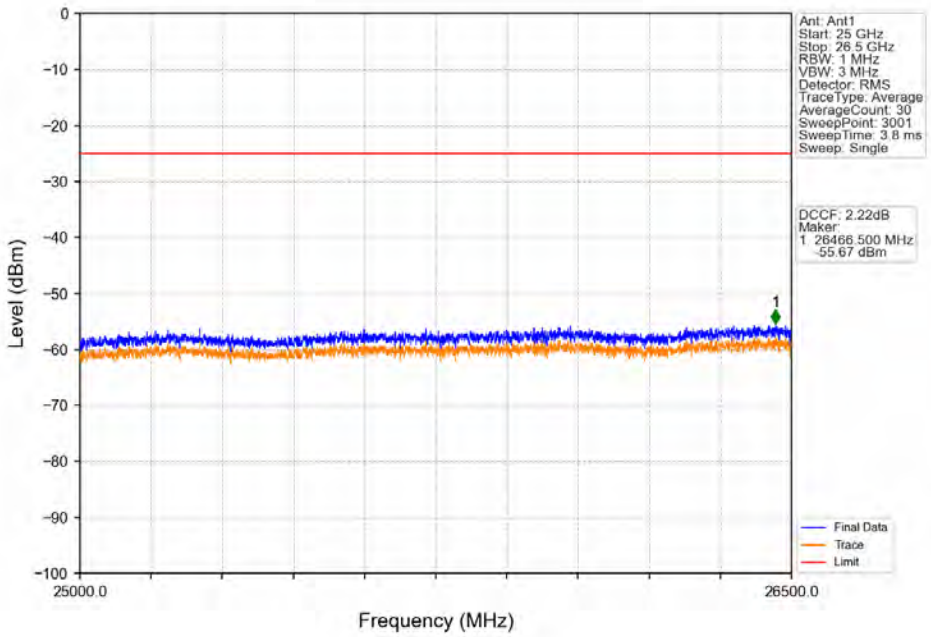
Band41_5MHz_QPSK_HCH_2647.5MHz_RB_1_0_NTNV



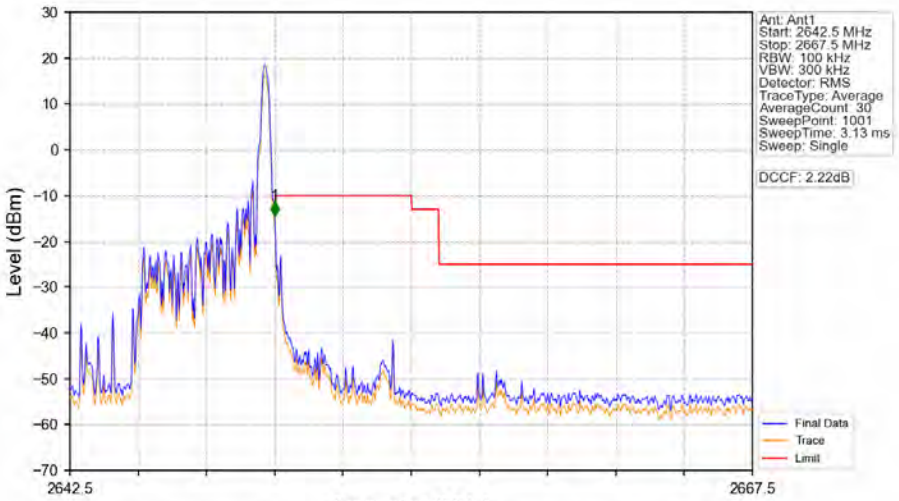

Band41_5MHz_QPSK_HCH_2647.5MHz_RB_1_0_NTNV



Band41_5MHz_QPSK_HCH_2647.5MHz_RB_1_0_NTNV

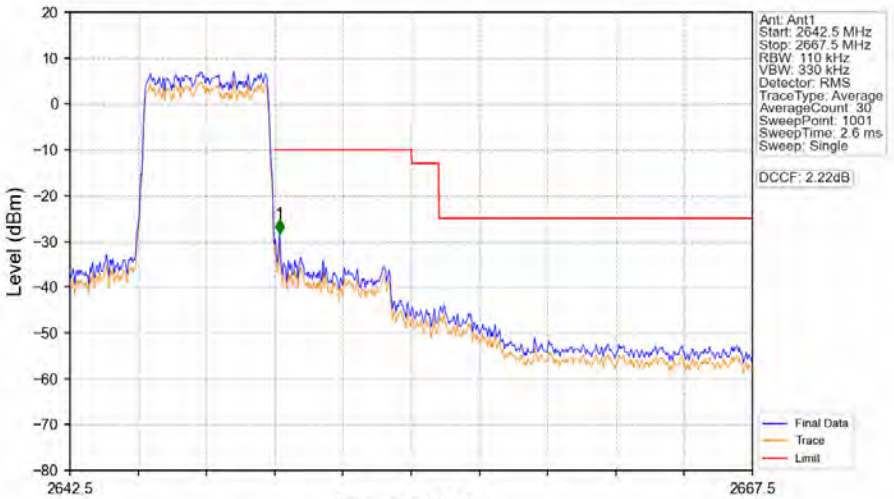



Band41_5MHz_QPSK_HCH_2647.5MHz_RB_1_24_NTNV



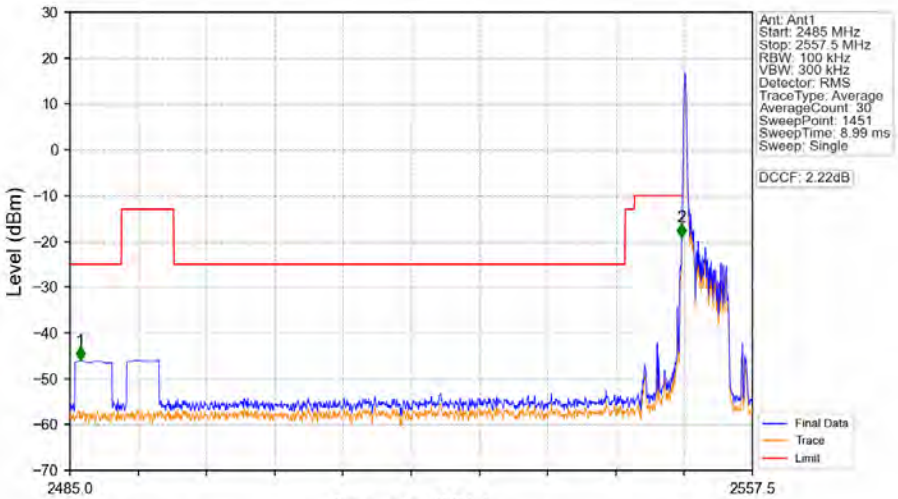

| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 2642.5 | 2667.5 | 0.1 | / | / | / | / | / | / |
| 2667.5 | 2667.5 | 0.1 | / | 1 | 2650.000 | -14.46 | -10 | Pass |

Band41_5MHz_QPSK_HCH_2647.5MHz_RB_25_0_NTNV



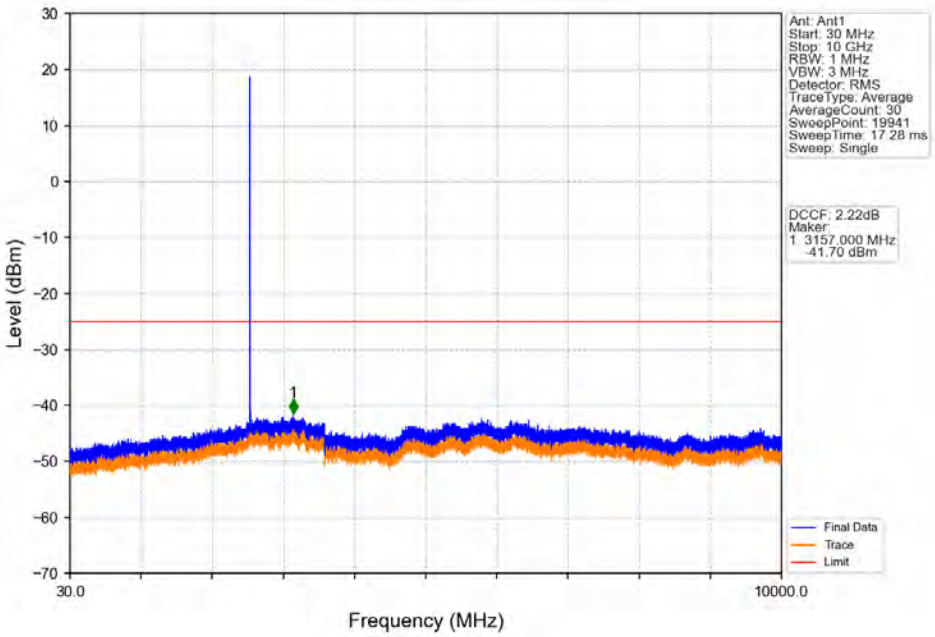

| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 2642.5 | 2667.5 | 0.11 | / | / | / | / | / | / |
| 2667.5 | 2667.5 | 0.11 | / | 1 | 2650.175 | -28.33 | -10 | Pass |

Band41_5MHz_16QAM_LCH_2552.5MHz_RB_1_0_NTNV

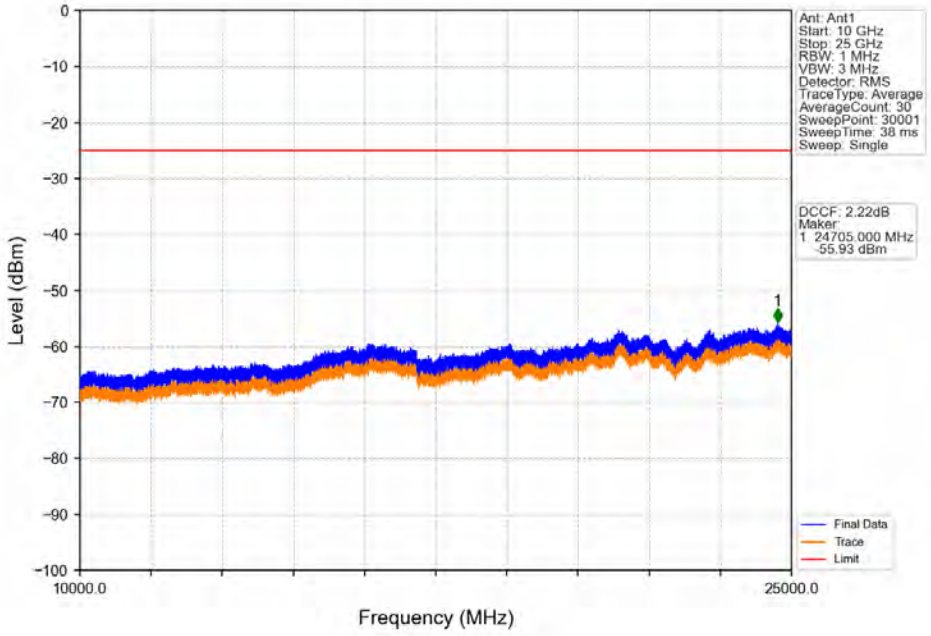



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 2485 | 2495 | 1 | CHP | 1 | 2486.100 | -46.07 | -25 | Pass |
| 2495 | 2557.5 | 0.1 | / | 2 | 2550.000 | -19.14 | -10 | Pass |
| 2557.5 | 2557.5 | 0.1 | / | / | / | / | / | / |

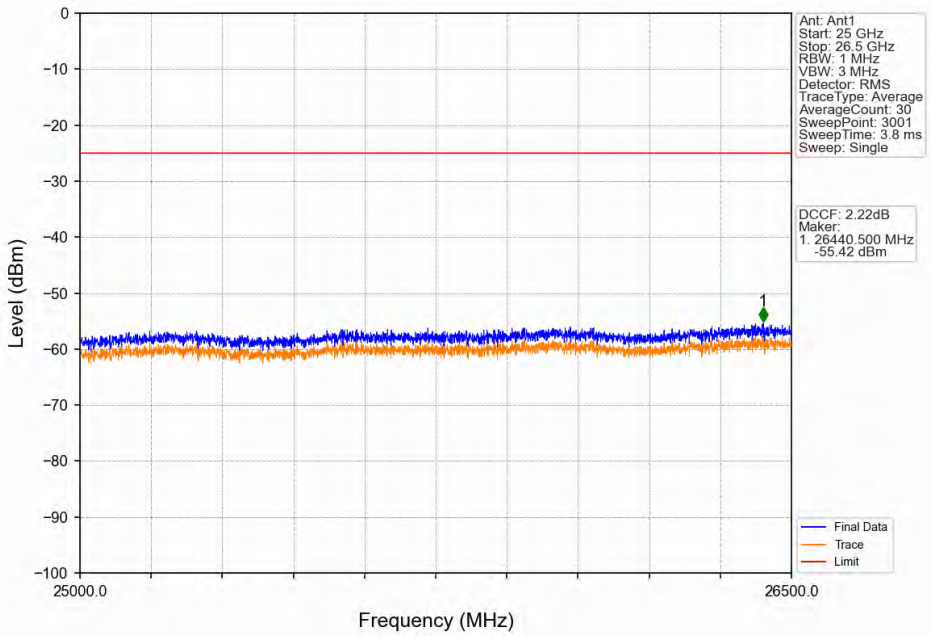
Band41_5MHz_16QAM_LCH_2552.5MHz_RB_1_0_NTNV



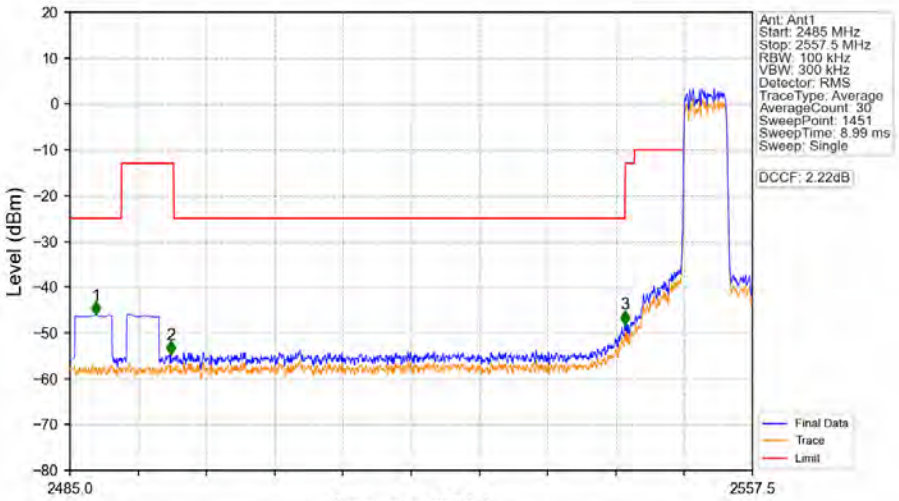

Band41_5MHz_16QAM_LCH_2552.5MHz_RB_1_0_NTNV



Band41_5MHz_16QAM_LCH_2552.5MHz_RB_1_0_NTNV

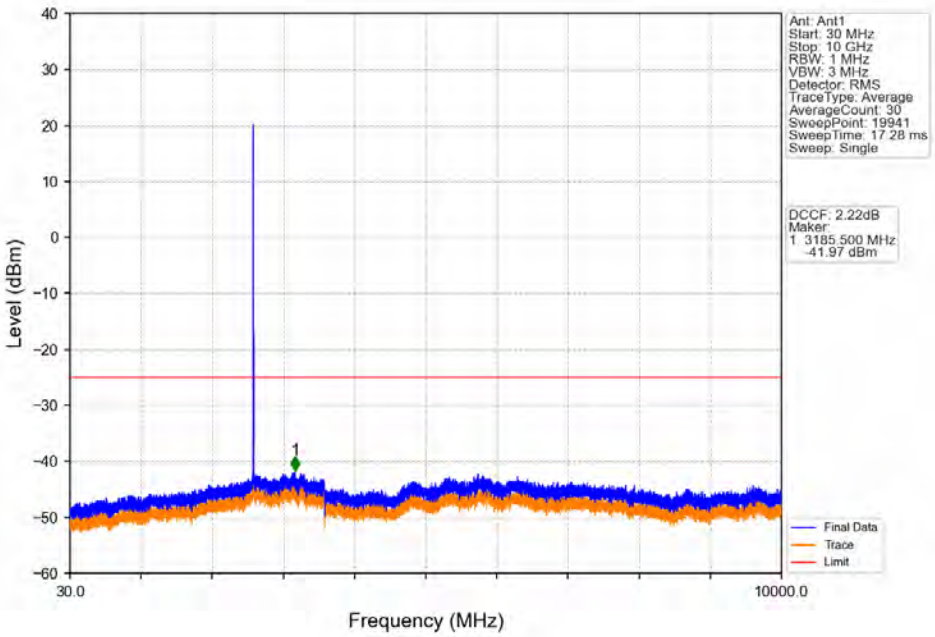



Band41_5MHz_16QAM_LCH_2552.5MHz_RB_25_0_NTNV

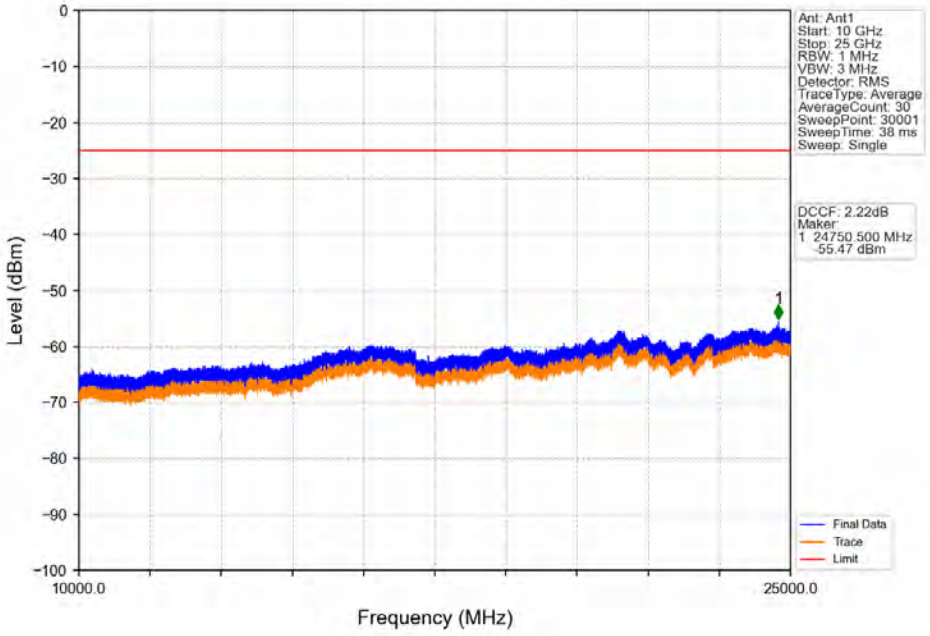



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 2485 | 2495 | 1 | CHP | 1 | 2487.750 | -46.15 | -25 | Pass |
| 2495 | 2496 | 0.1 | / | 2 | 2495.700 | -54.81 | -13 | Pass |
| 2496 | 2557.5 | 0.105 | / | 3 | 2543.950 | -48.16 | -25 | Pass |
| 2557.5 | 2557.5 | 0.105 | / | / | / | / | / | / |

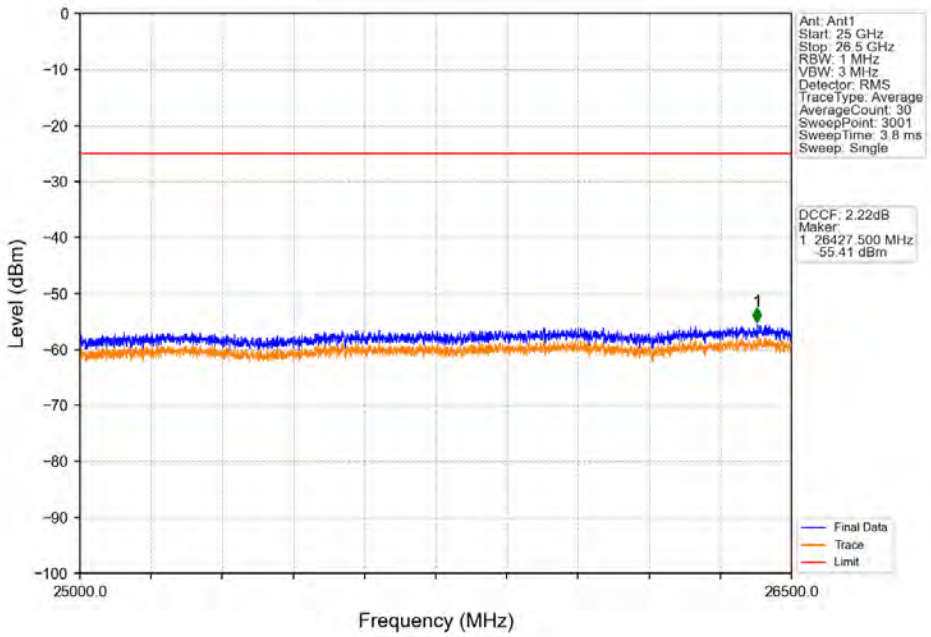
Band41_5MHz_16QAM_MCH_2600MHz_RB_1_0_NTNV



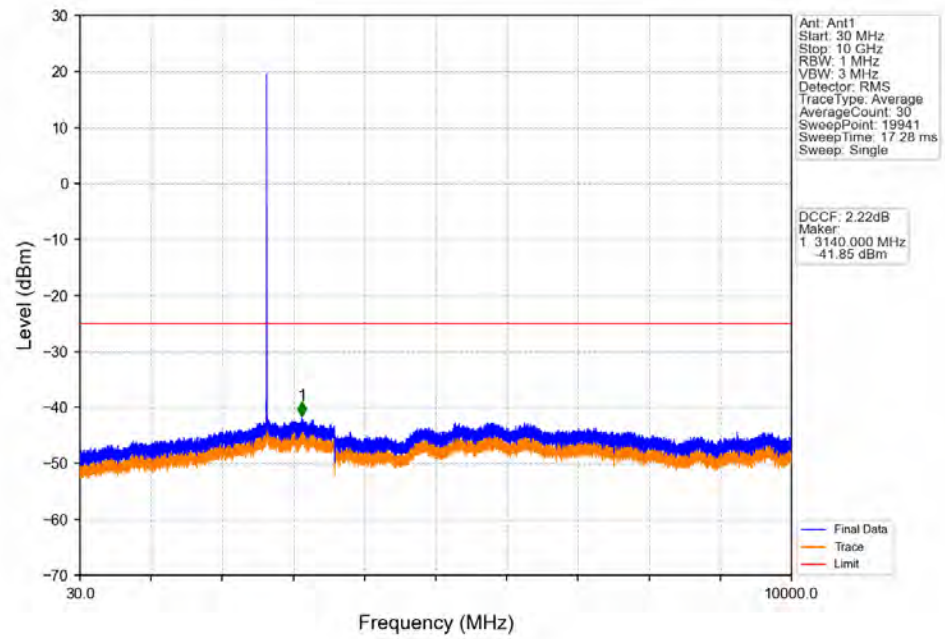

Band41_5MHz_16QAM_MCH_2600MHz_RB_1_0_NTNV



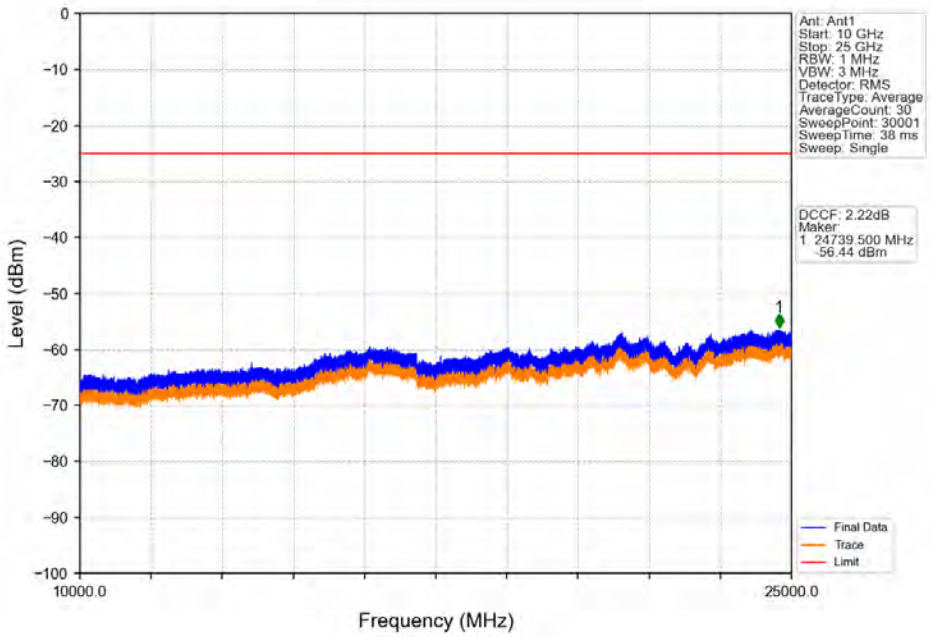
Band41_5MHz_16QAM_MCH_2600MHz_RB_1_0_NTNV



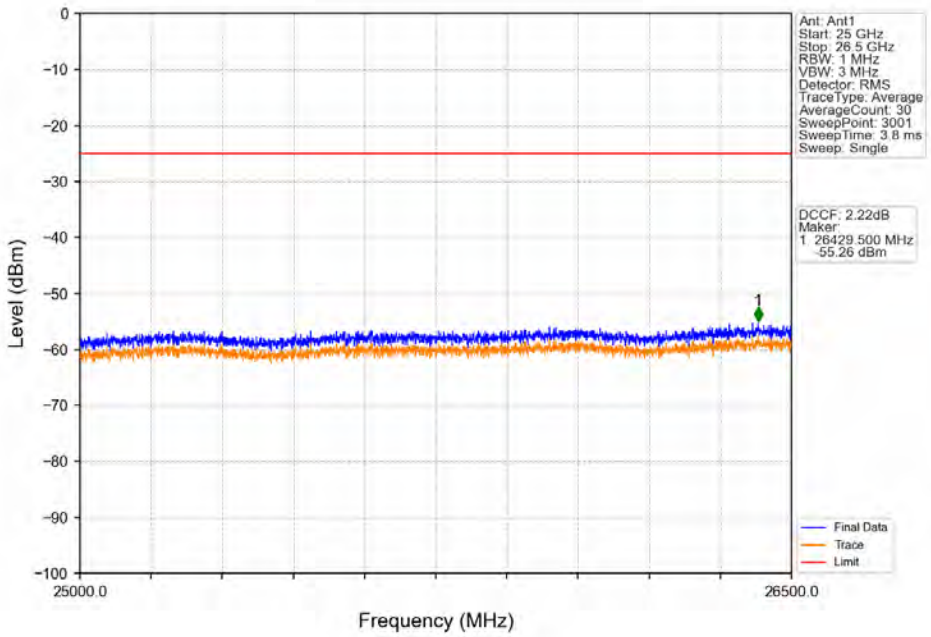

Band41_5MHz_16QAM_HCH_2647.5MHz_RB_1_0_NTNV



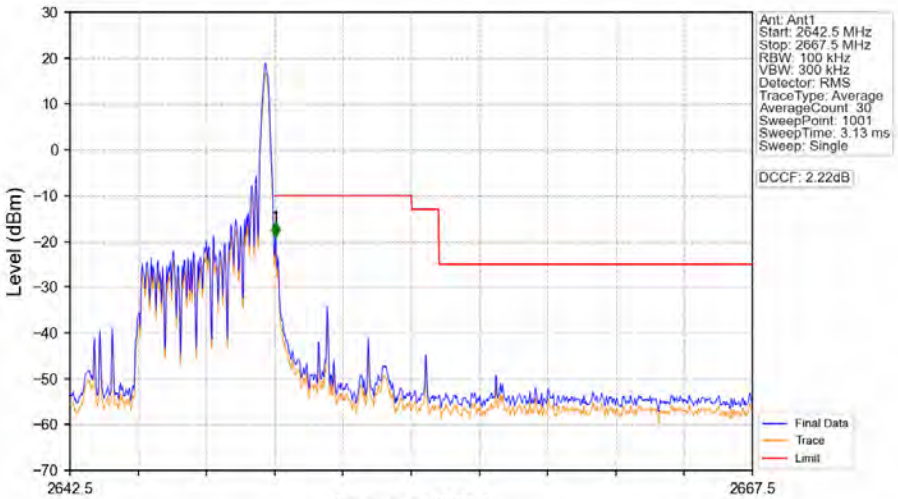
Band41_5MHz_16QAM_HCH_2647.5MHz_RB_1_0_NTNV




Band41_5MHz_16QAM_HCH_2647.5MHz_RB_1_0_NTNV

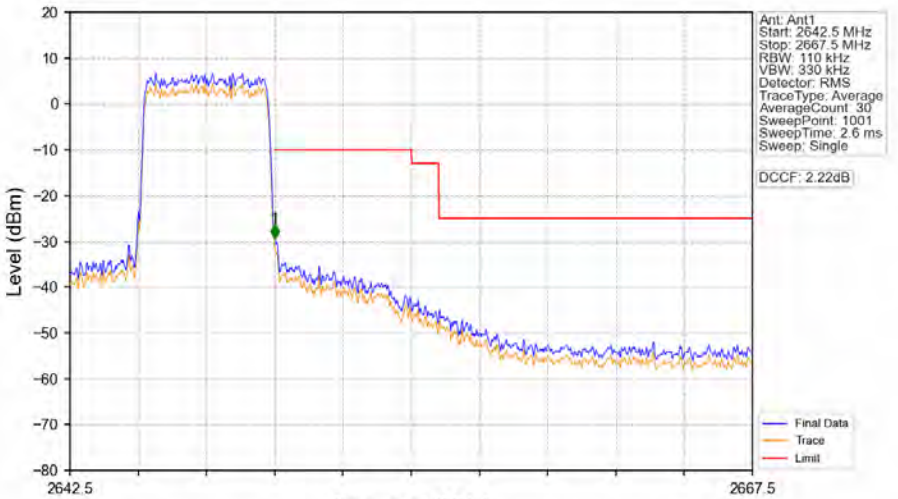


Band41_5MHz_16QAM_HCH_2647.5MHz_RB_1_24_NTNV




| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 2642.5 | 2667.5 | 0.1 | / | / | / | / | / | / |
| 2667.5 | 2667.5 | 0.1 | / | 1 | 2650.025 | -18.99 | -10 | Pass |

Band41_5MHz_16QAM_HCH_2647.5MHz_RB_25_0_NTNV




| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 2642.5 | 2667.5 | 0.11 | / | / | / | / | / | / |
| 2667.5 | 2667.5 | 0.11 | / | 1 | 2650.000 | -29.37 | -10 | Pass |

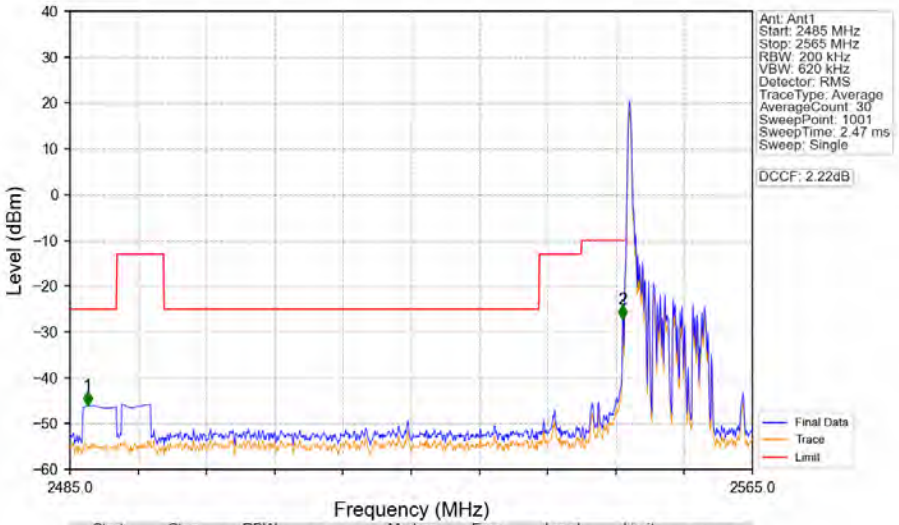
## 6.2 B41_10MHz

### 6.2.1 Test Result

| Band: 41 / Bandwidth: 10MHz / NTNV | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Spurious Emission | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 2555 | 1 | 0 | Refer To Test Graph | | Pass |
| | | 50 | 0 | Refer To Test Graph | | Pass |
| | 2600 | 1 | 0 | Refer To Test Graph | | Pass |
| | 2645 | 1 | 0 | Refer To Test Graph | | Pass |
| | | | 49 | Refer To Test Graph | | Pass |
| | | 50 | 0 | Refer To Test Graph | | Pass |
| 16QAM | 2555 | 1 | 0 | Refer To Test Graph | | Pass |
| | | 50 | 0 | Refer To Test Graph | | Pass |
| | 2600 | 1 | 0 | Refer To Test Graph | | Pass |
| | 2645 | 1 | 0 | Refer To Test Graph | | Pass |
| | | | 49 | Refer To Test Graph | | Pass |
| | | 50 | 0 | Refer To Test Graph | | Pass |

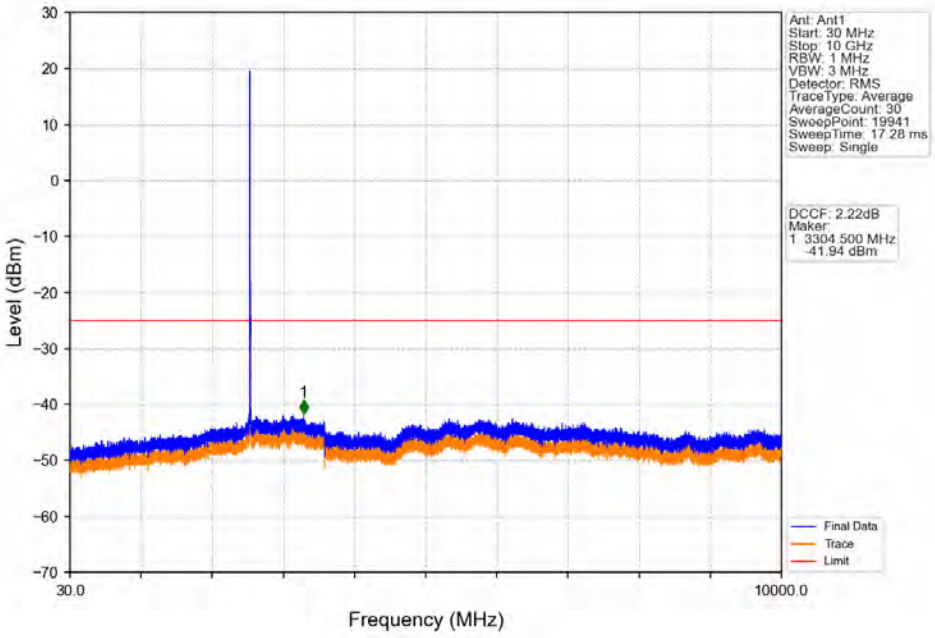
## 6.2.2 Test Graph

Band41_10MHz_QPSK_LCH_2555MHz_RB_1_0_NTNV

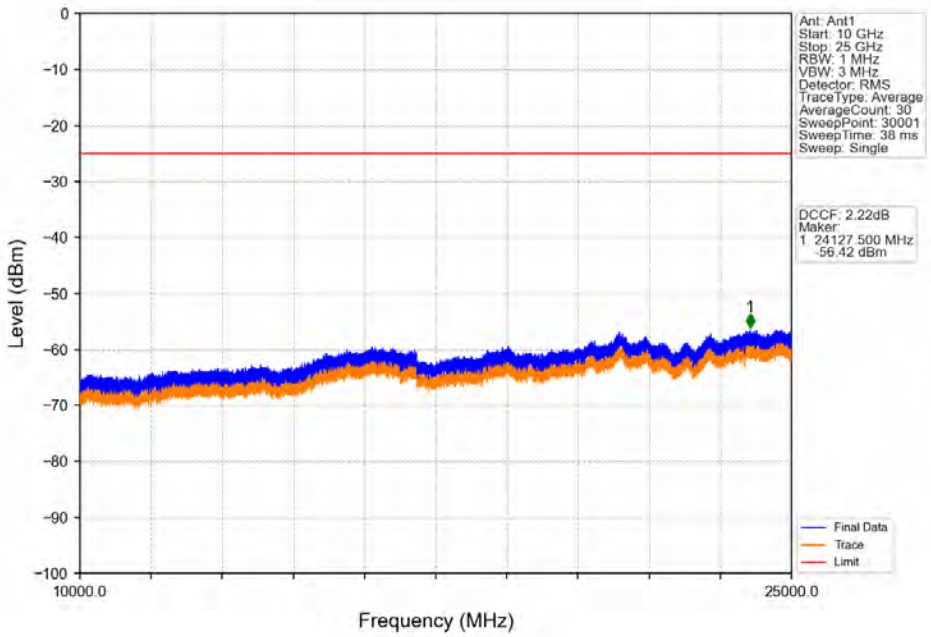



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 2485 | 2495 | 1 | CHP | 1 | 2487.080 | -46.11 | -25 | Pass |
| 2495 | 2565 | 0.2 | / | 2 | 2549.800 | -27.18 | -10 | Pass |
| 2565 | 2565 | 0.2 | / | / | / | / | / | / |

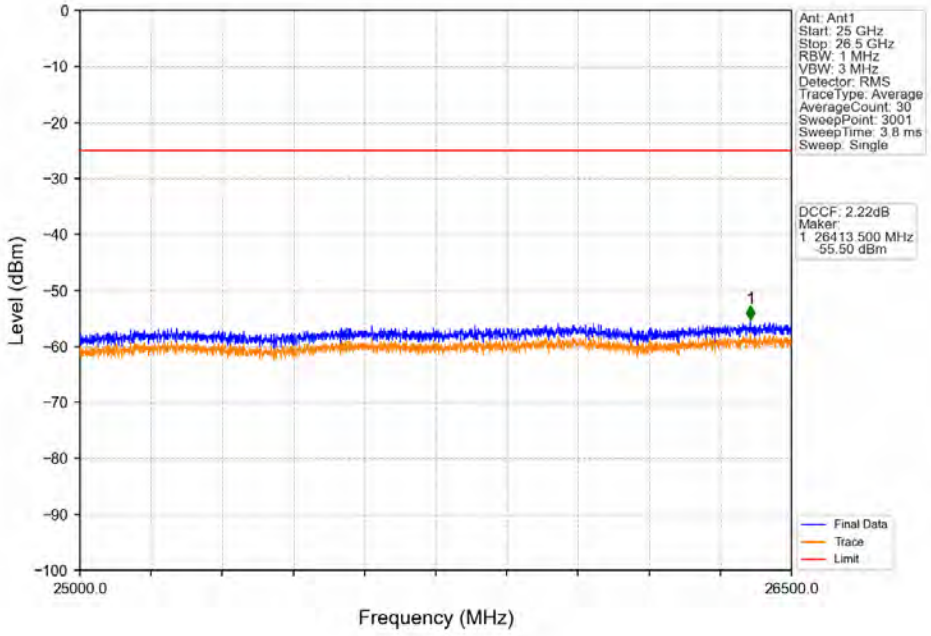
Band41_10MHz_QPSK_LCH_2555MHz_RB_1_0_NTNV



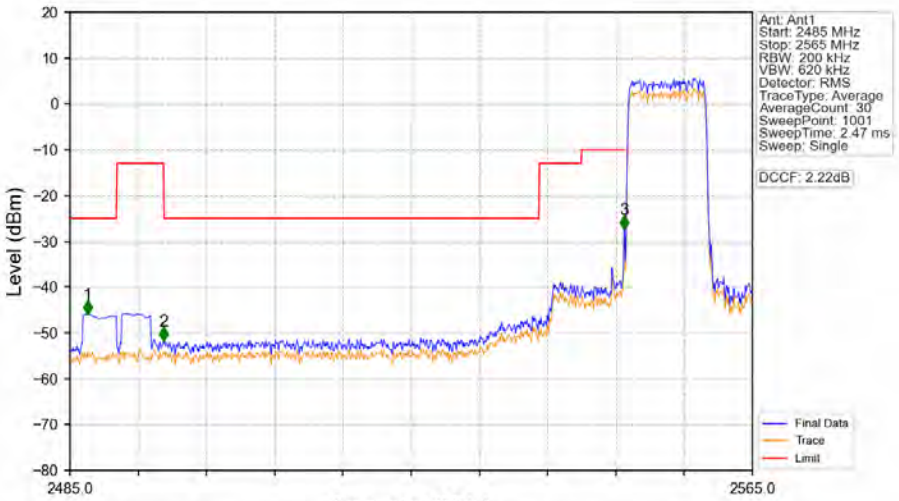
Band41_10MHz_QPSK_LCH_2555MHz_RB_1_0_NTNV




Band41_10MHz_QPSK_LCH_2555MHz_RB_1_0_NTNV

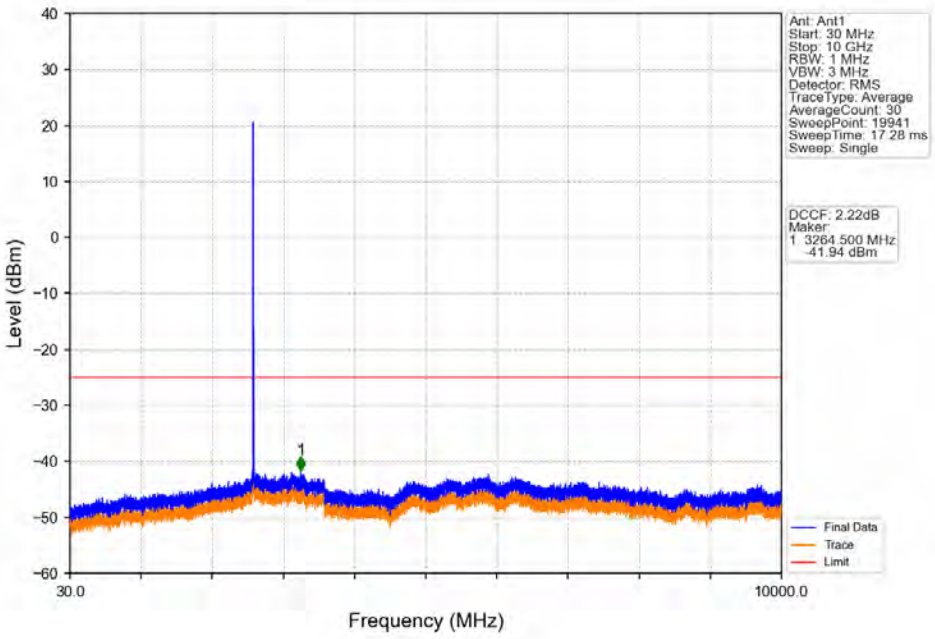


Band41_10MHz_QPSK_LCH_2555MHz_RB_50_0_NTNV

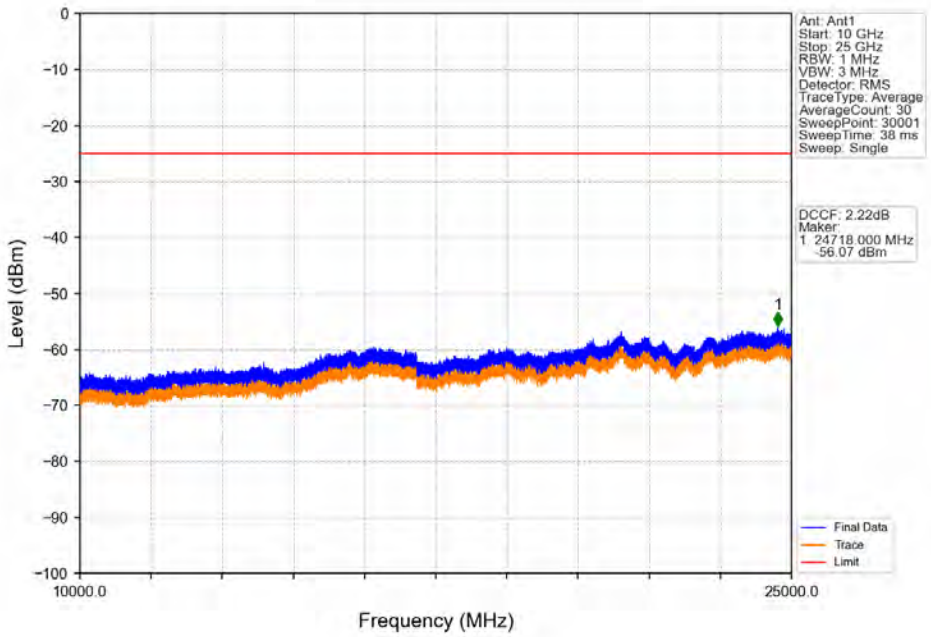



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 2485 | 2495 | 1 | CHP | 1 | 2487.080 | -45.91 | -25 | Pass |
| 2495 | 2496 | 0.2 | / | 2 | 2495.960 | -51.80 | -13 | Pass |
| 2496 | 2565 | 0.206 | / | 3 | 2549.960 | -27.39 | -10 | Pass |
| 2565 | 2565 | 0.206 | / | / | / | / | / | / |

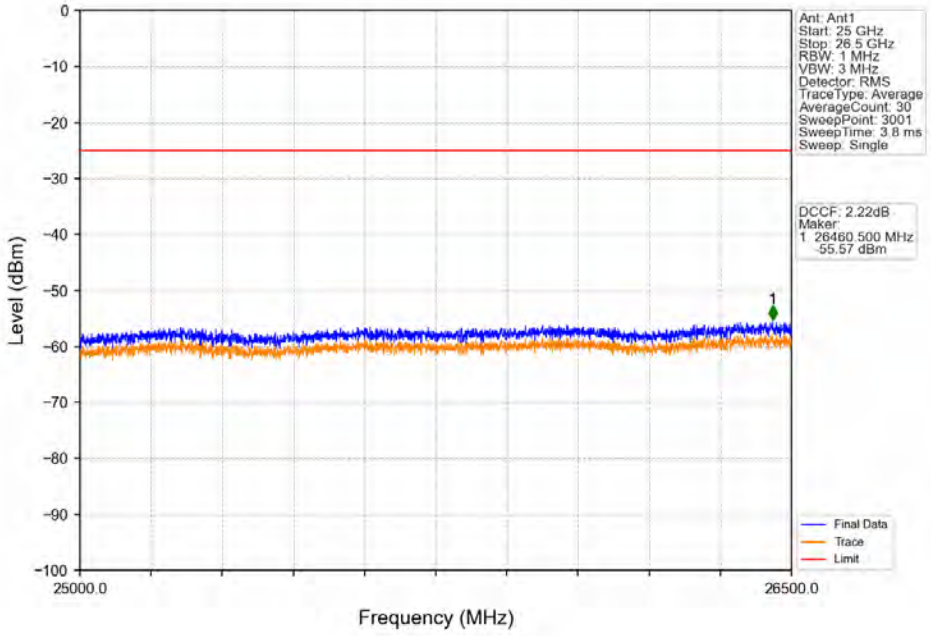
Band41_10MHz_QPSK_MCH_2600MHz_RB_1_0_NTNV



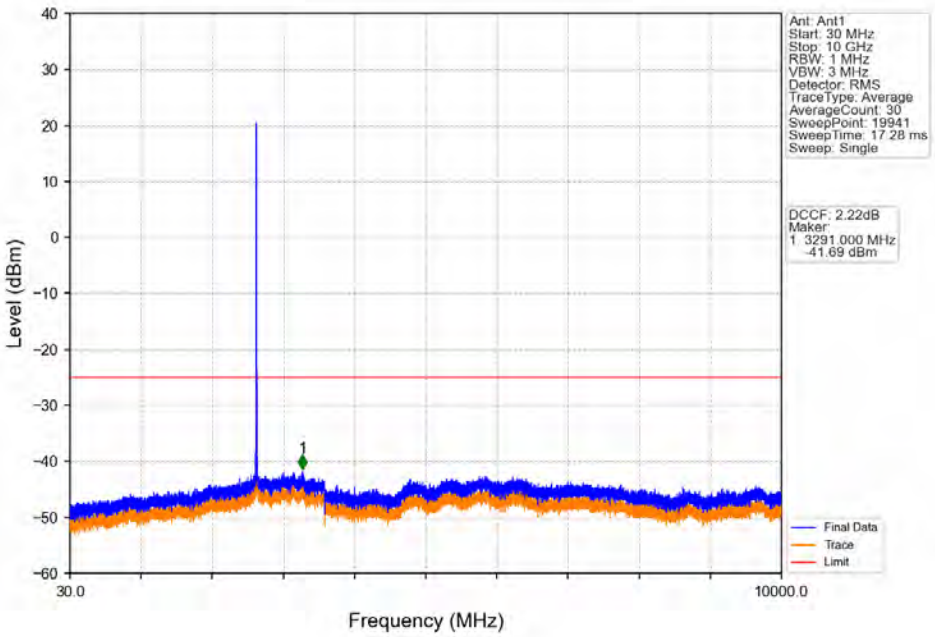
Band41_10MHz_QPSK_MCH_2600MHz_RB_1_0_NTNV



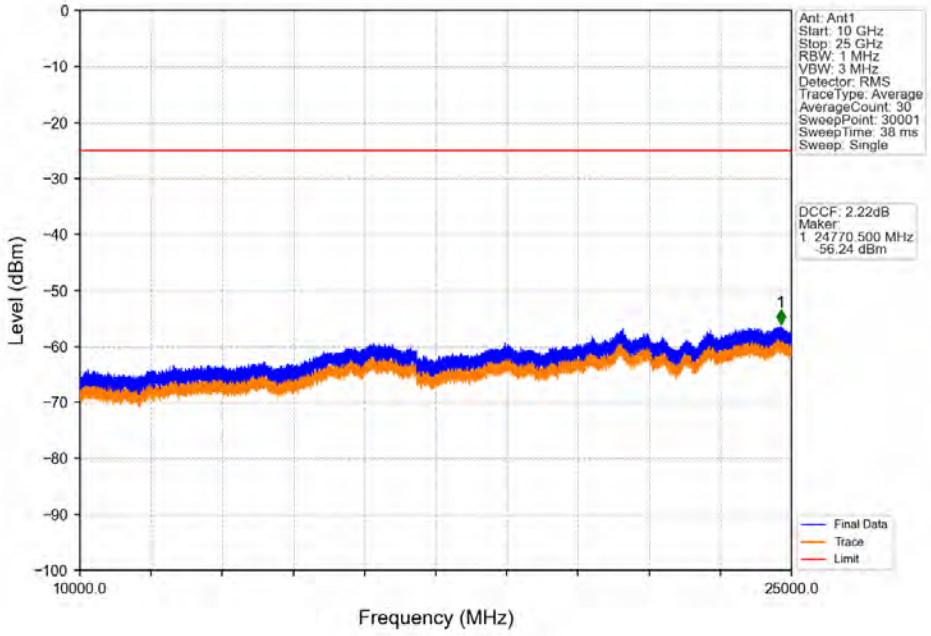

Band41_10MHz_QPSK_MCH_2600MHz_RB_1_0_NTNV



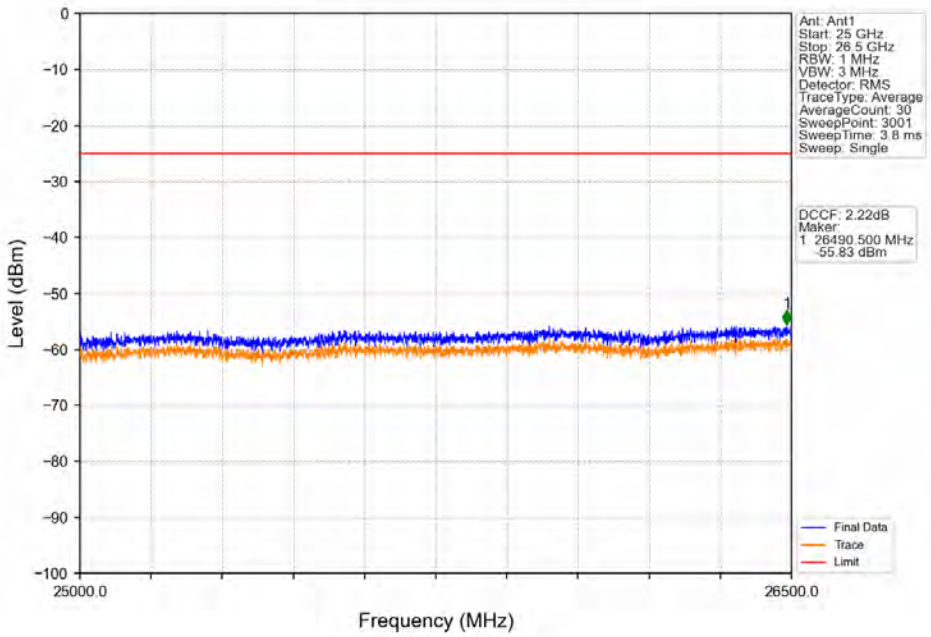
Band41_10MHz_QPSK_HCH_2645MHz_RB_1_0_NTNV



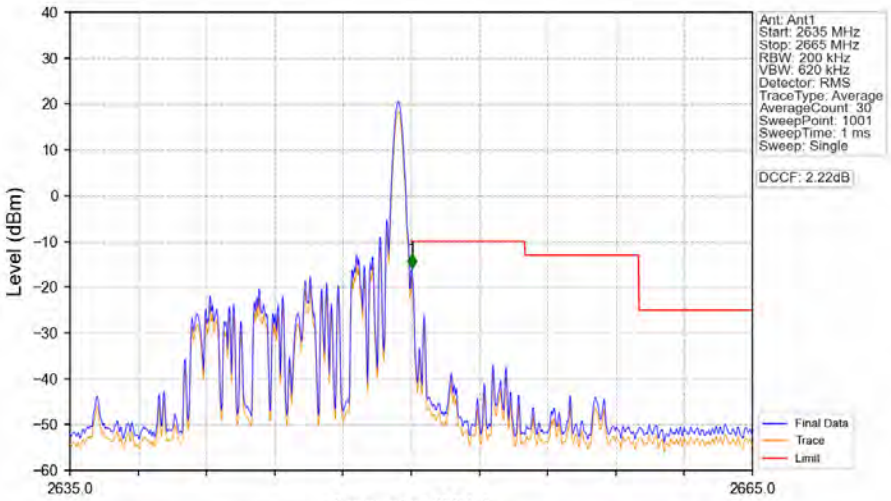

Band41_10MHz_QPSK_HCH_2645MHz_RB_1_0_NTNV



Band41_10MHz_QPSK_HCH_2645MHz_RB_1_0_NTNV

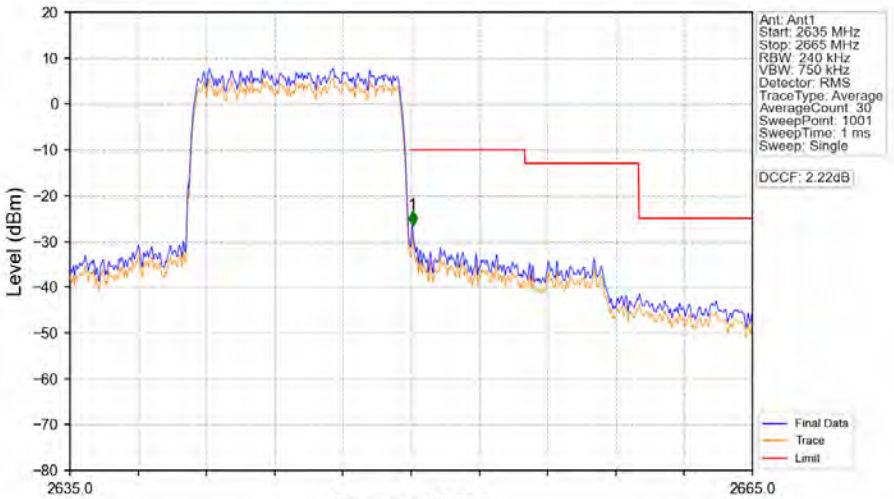



Band41_10MHz_QPSK_HCH_2645MHz_RB_1_49_NTNV



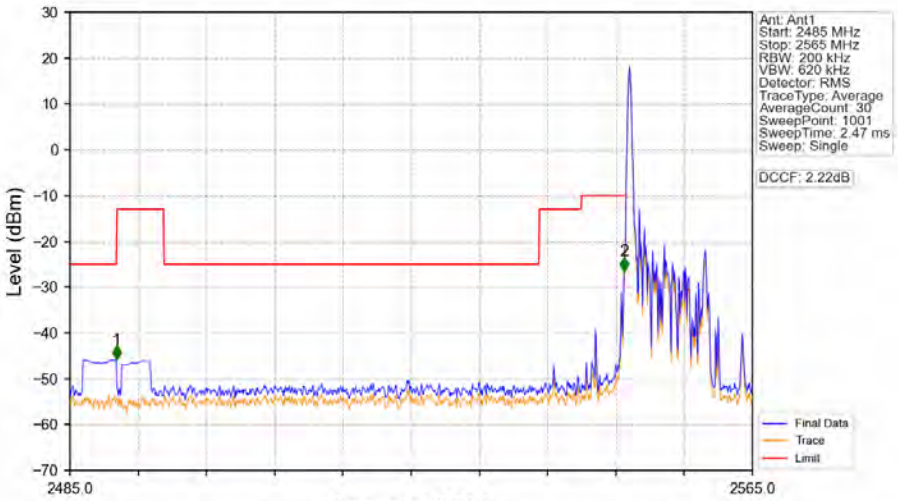

| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 2635 | 2665 | 0.2 | / | / | / | / | / | / |
| 2665 | 2665 | 0.2 | / | 1 | 2650.030 | -15.87 | -10 | Pass |

Band41_10MHz_QPSK_HCH_2645MHz_RB_50_0_NTNV



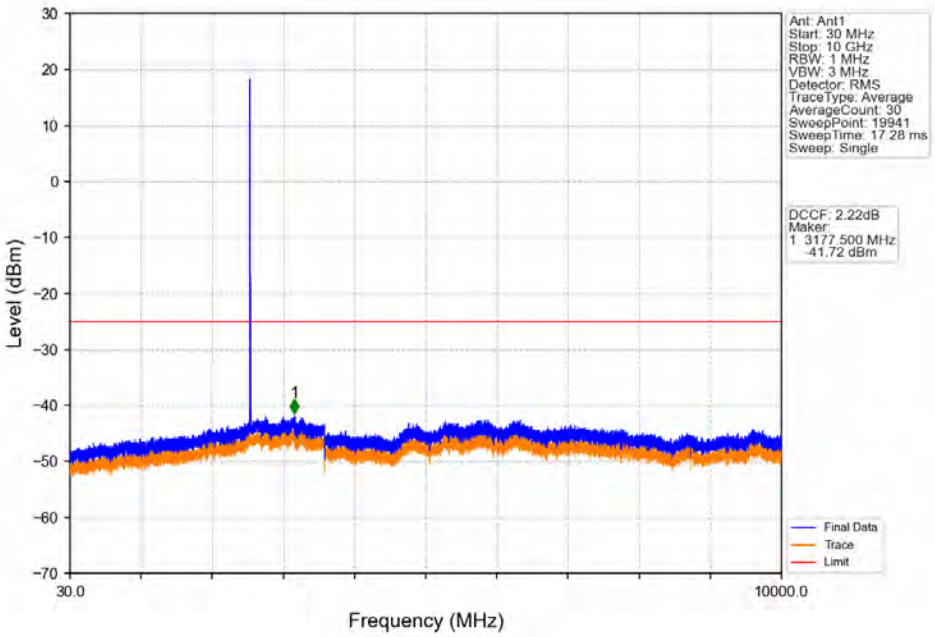

| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 2635 | 2665 | 0.24 | / | / | / | / | / | / |
| 2665 | 2665 | 0.24 | / | 1 | 2650.060 | -26.50 | -10 | Pass |

Band41_10MHz_16QAM_LCH_2555MHz_RB_1_0_NTNV

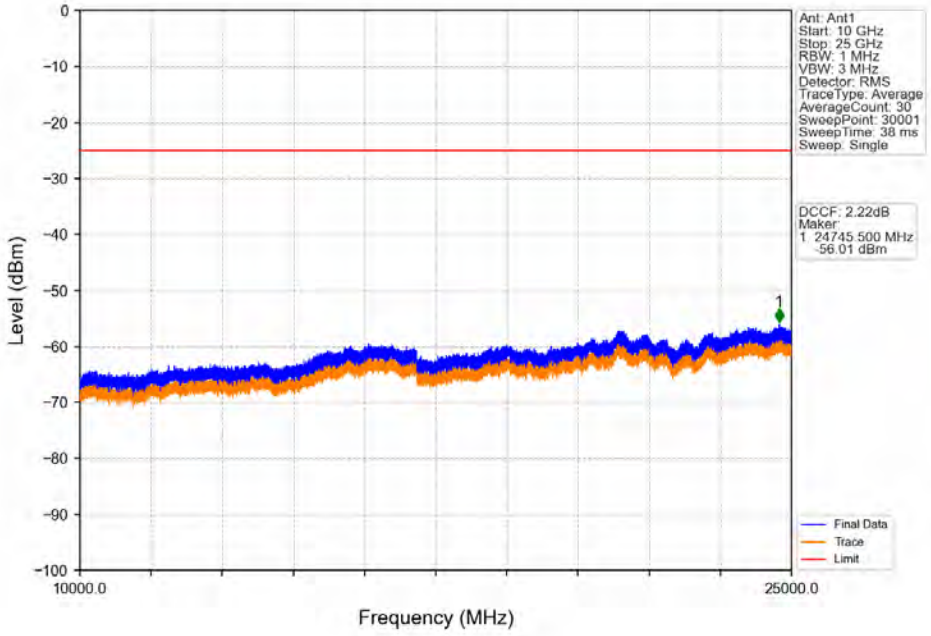



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 2485 | 2495 | 1 | CHP | 1 | 2490.440 | -45.89 | -25 | Pass |
| 2495 | 2565 | 0.2 | / | 2 | 2549.960 | -26.54 | -10 | Pass |
| 2565 | 2565 | 0.2 | / | / | / | / | / | / |

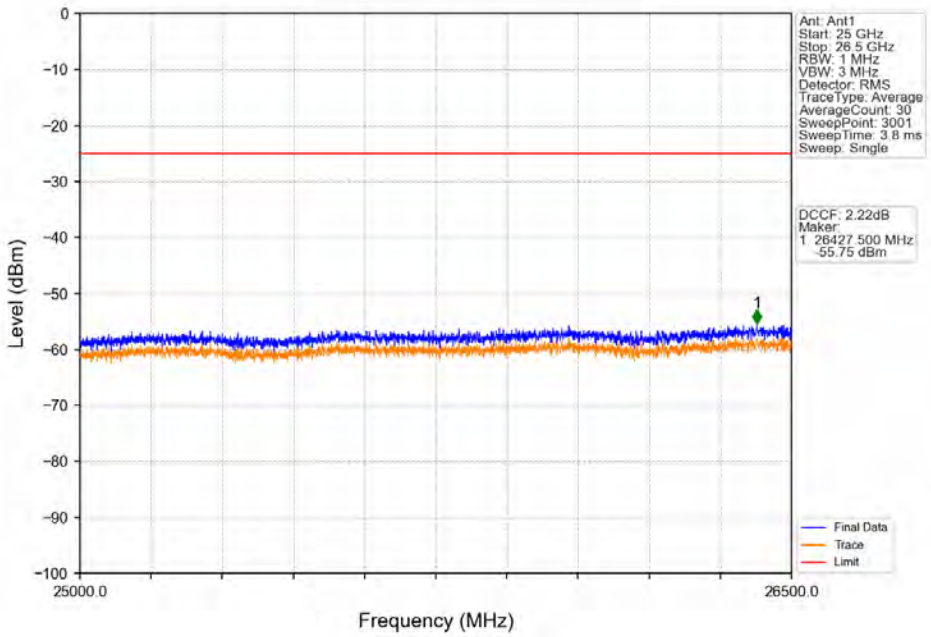
Band41_10MHz_16QAM_LCH_2555MHz_RB_1_0_NTNV



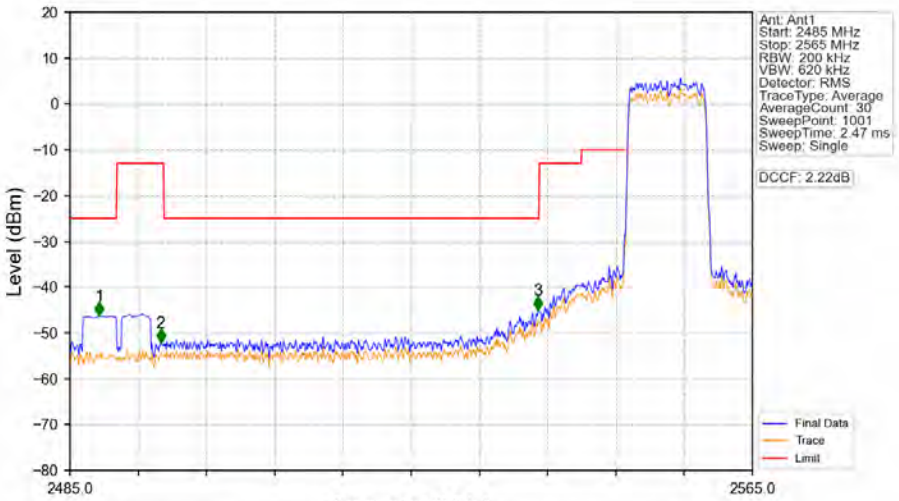

Band41_10MHz_16QAM_LCH_2555MHz_RB_1_0_NTNV



Band41_10MHz_16QAM_LCH_2555MHz_RB_1_0_NTNV

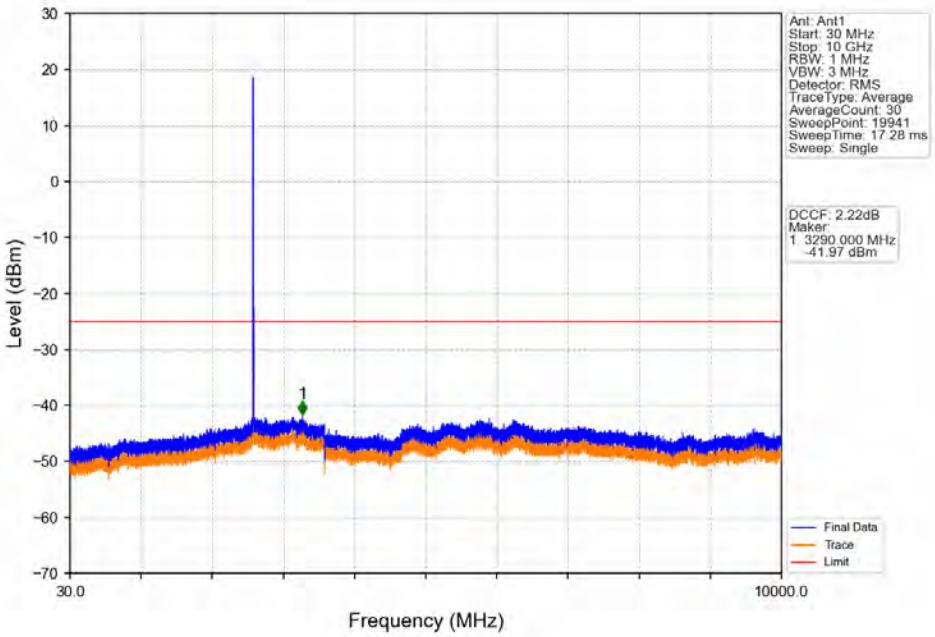



Band41_10MHz_16QAM_LCH_2555MHz_RB_50_0_NTNV

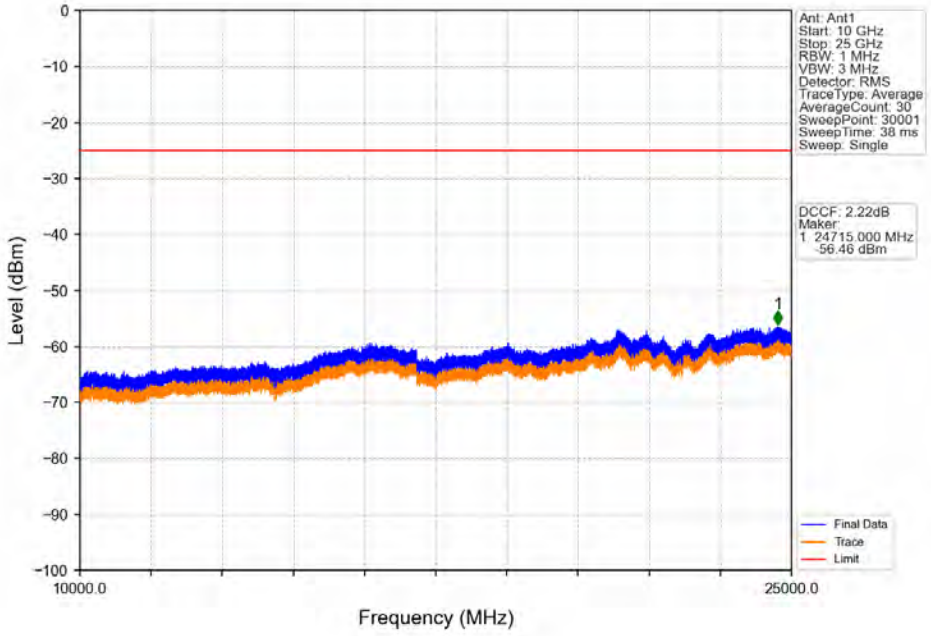



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 2485 | 2495 | 1 | CHP | 1 | 2488.440 | -46.33 | -25 | Pass |
| 2495 | 2496 | 0.2 | / | 2 | 2495.640 | -52.16 | -13 | Pass |
| 2496 | 2565 | 0.226 | / | 3 | 2539.880 | -45.04 | -25 | Pass |
| 2565 | 2565 | 0.226 | / | / | / | / | / | / |

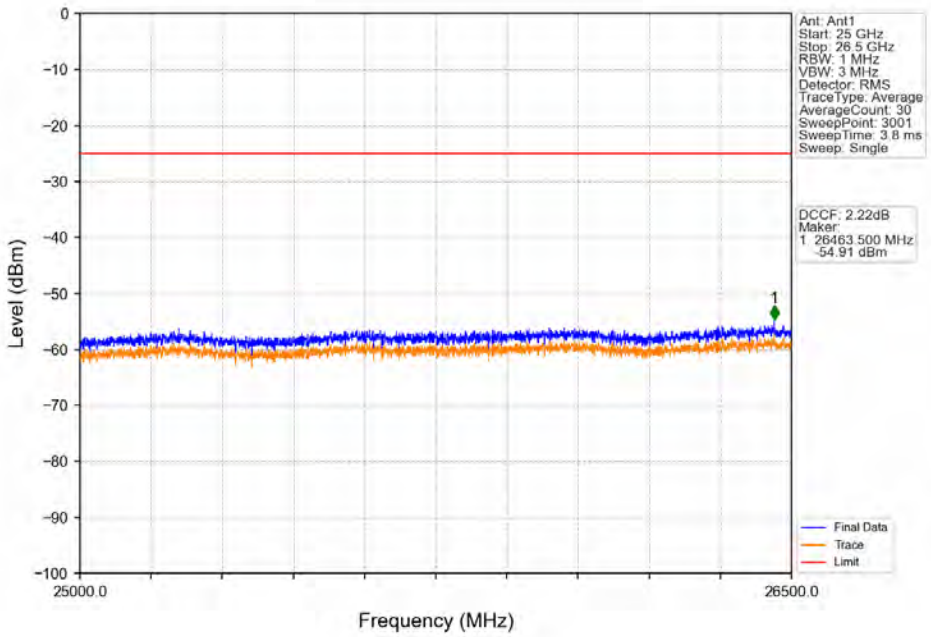
Band41_10MHz_16QAM_MCH_2600MHz_RB_1_0_NTNV



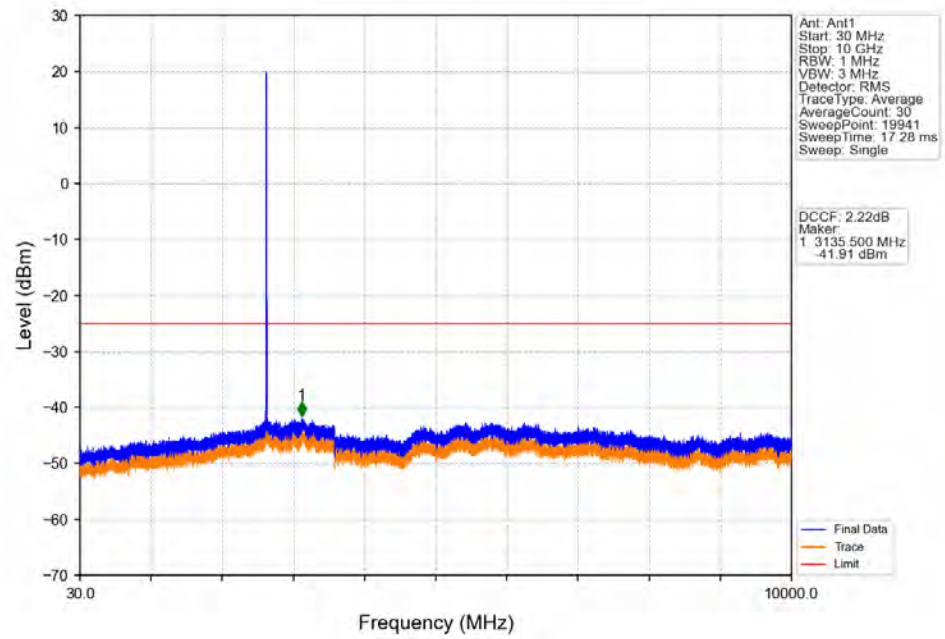

Band41_10MHz_16QAM_MCH_2600MHz_RB_1_0_NTNV



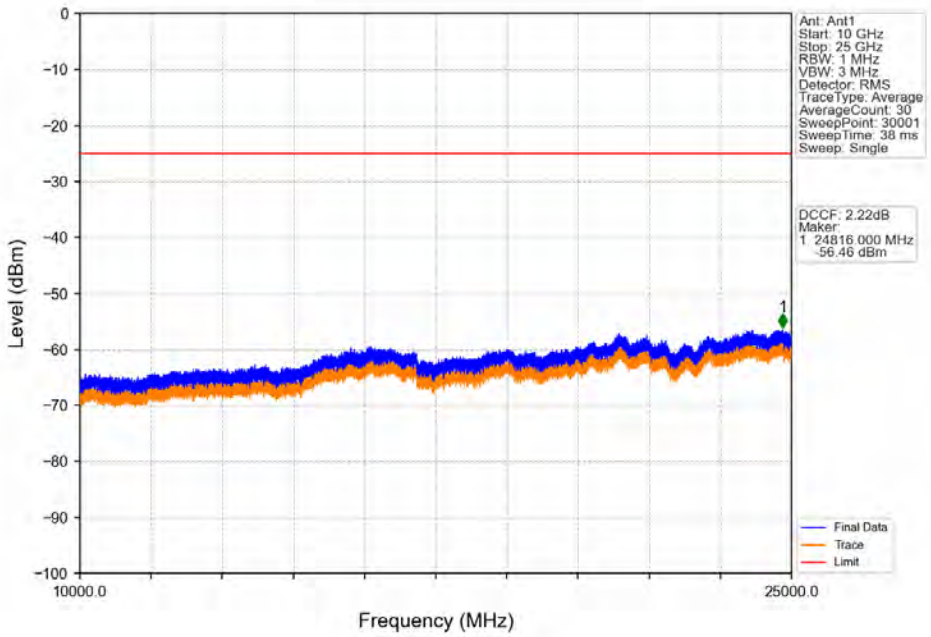
Band41_10MHz_16QAM_MCH_2600MHz_RB_1_0_NTNV



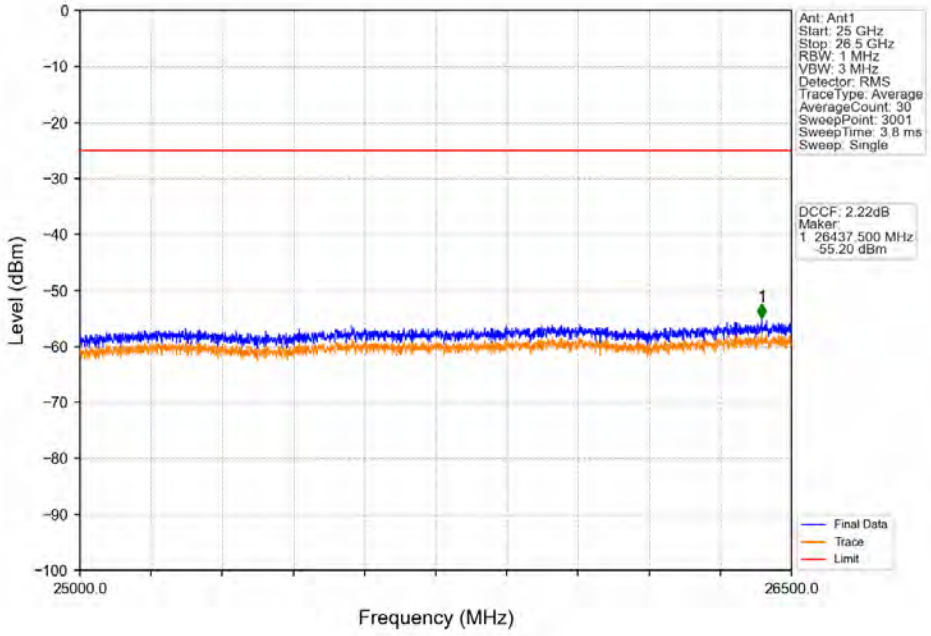

Band41_10MHz_16QAM_HCH_2645MHz_RB_1_0_NTNV



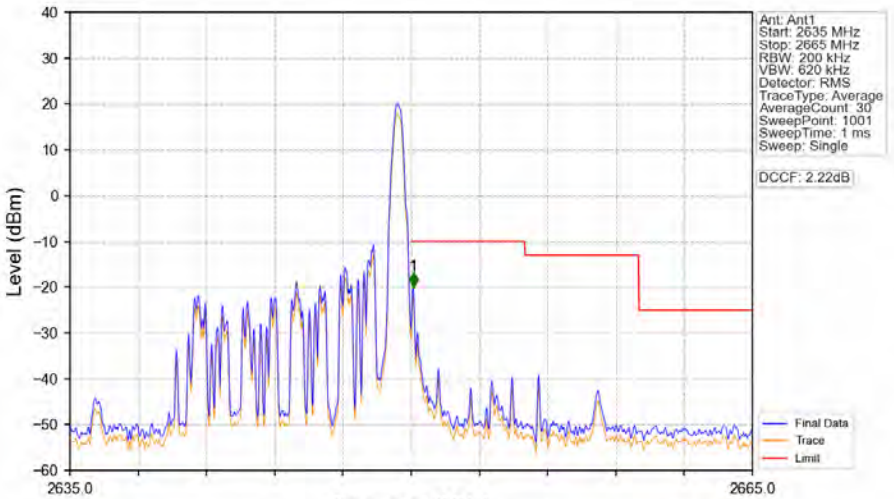
Band41_10MHz_16QAM_HCH_2645MHz_RB_1_0_NTNV




Band41_10MHz_16QAM_HCH_2645MHz_RB_1_0_NTNV

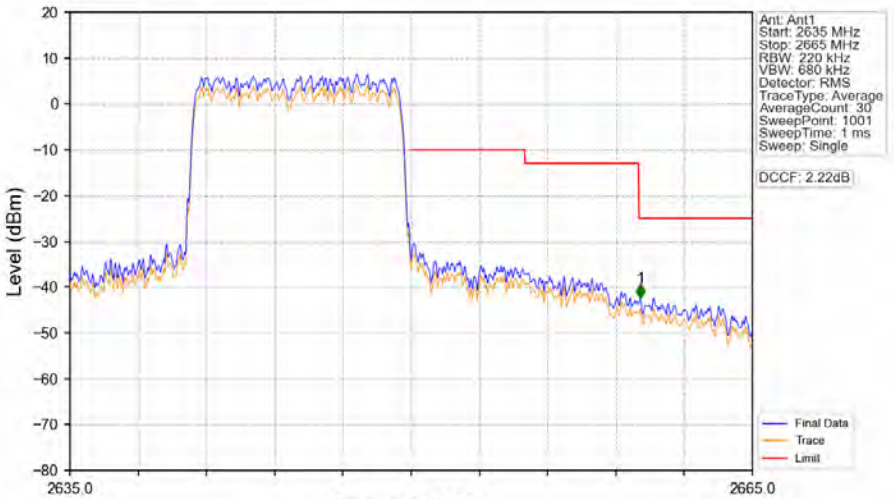


Band41_10MHz_16QAM_HCH_2645MHz_RB_1_49_NTNV




| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 2635 | 2665 | 0.2 | / | / | / | / | / | / |
| 2665 | 2665 | 0.2 | / | 1 | 2650.090 | -19.89 | -10 | Pass |

Band41_10MHz_16QAM_HCH_2645MHz_RB_50_0_NTNV




| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 2635 | 2665 | 0.22 | / | / | / | / | / | / |
| 2665 | 2665 | 0.22 | / | 1 | 2660.080 | -42.38 | -25 | Pass |

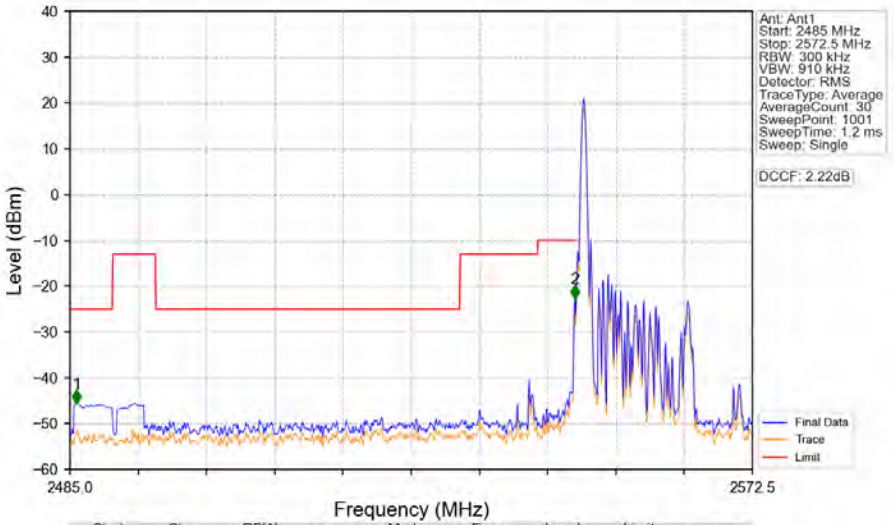
## 6.3 B41_15MHz

### 6.3.1 Test Result

| Band: 41 / Bandwidth: 15MHz / NTNV | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Spurious Emission | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 2557.5 | 1 | 0 | Refer To Test Graph | | Pass |
| | | 75 | 0 | Refer To Test Graph | | Pass |
| | 2600 | 1 | 0 | Refer To Test Graph | | Pass |
| | 2642.5 | 1 | 0 | Refer To Test Graph | | Pass |
| | | | 74 | Refer To Test Graph | | Pass |
| | | 75 | 0 | Refer To Test Graph | | Pass |
| 16QAM | 2557.5 | 1 | 0 | Refer To Test Graph | | Pass |
| | | 75 | 0 | Refer To Test Graph | | Pass |
| | 2600 | 1 | 0 | Refer To Test Graph | | Pass |
| | 2642.5 | 1 | 0 | Refer To Test Graph | | Pass |
| | | | 74 | Refer To Test Graph | | Pass |
| | | 75 | 0 | Refer To Test Graph | | Pass |

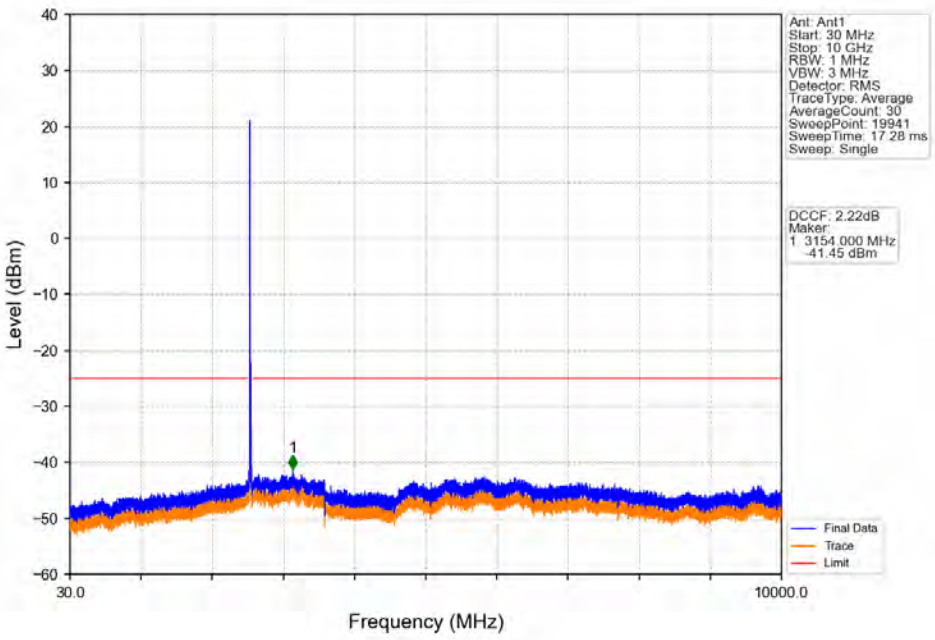
## 6.3.2 Test Graph

Band41_15MHz_QPSK_LCH_2557.5MHz_RB_1_0_NTNV

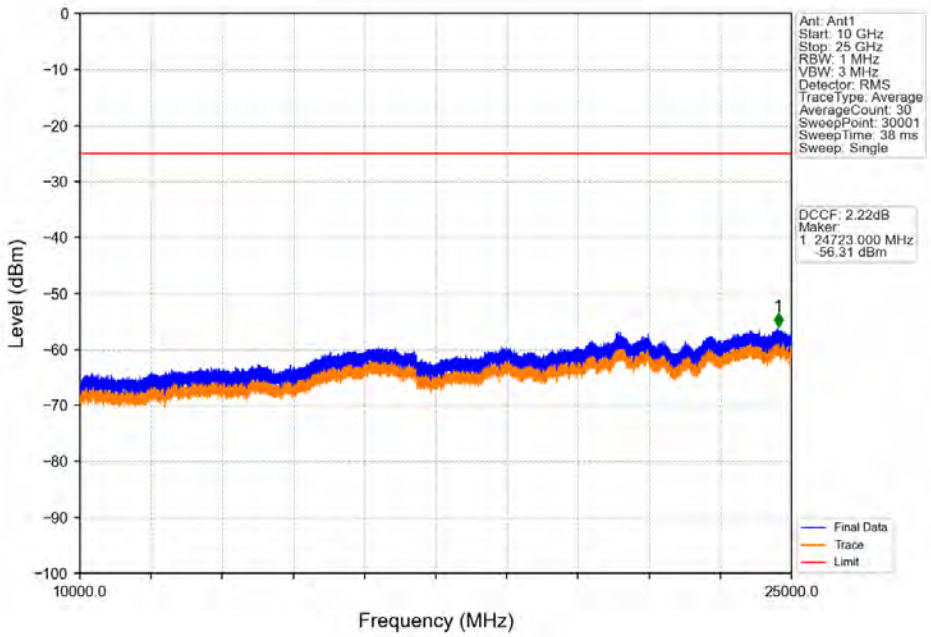



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 2485 | 2495 | 1 | CHP | 1 | 2485.875 | -45.77 | -25 | Pass |
| 2495 | 2572.5 | 0.3 | / | 2 | 2549.750 | -22.74 | -10 | Pass |
| 2572.5 | 2572.5 | 0.3 | / | / | / | / | / | / |

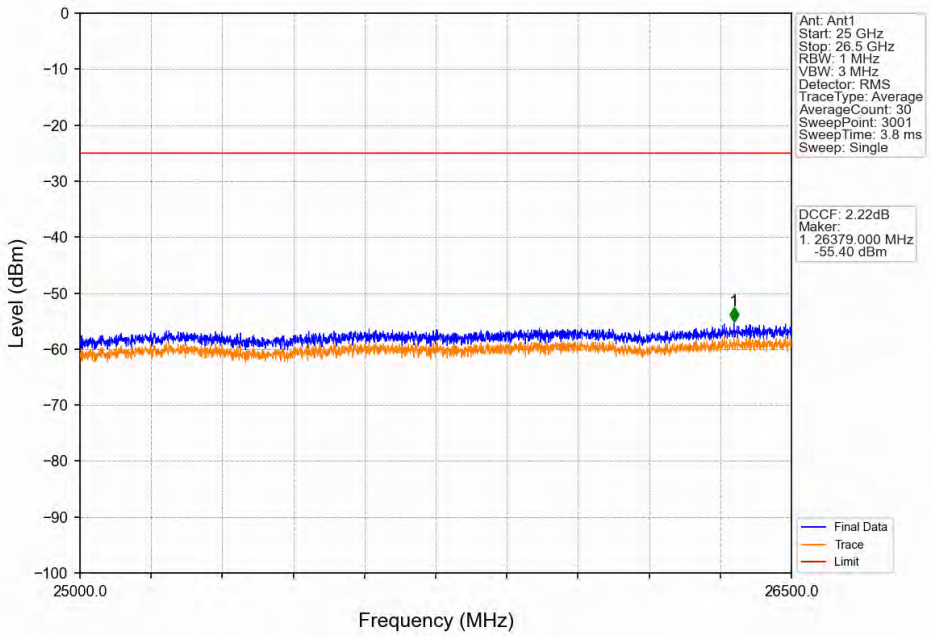
Band41_15MHz_QPSK_LCH_2557.5MHz_RB_1_0_NTNV



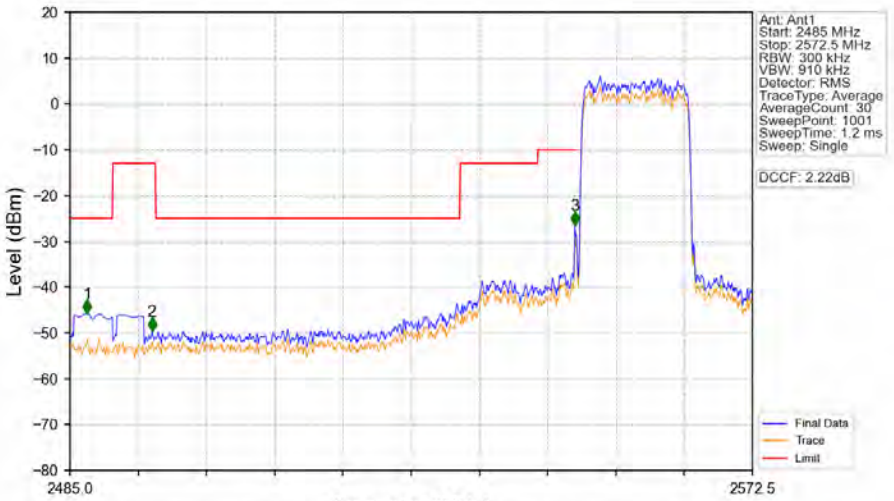
Band41_15MHz_QPSK_LCH_2557.5MHz_RB_1_0_NTNV




Band41_15MHz_QPSK_LCH_2557.5MHz_RB_1_0_NTNV

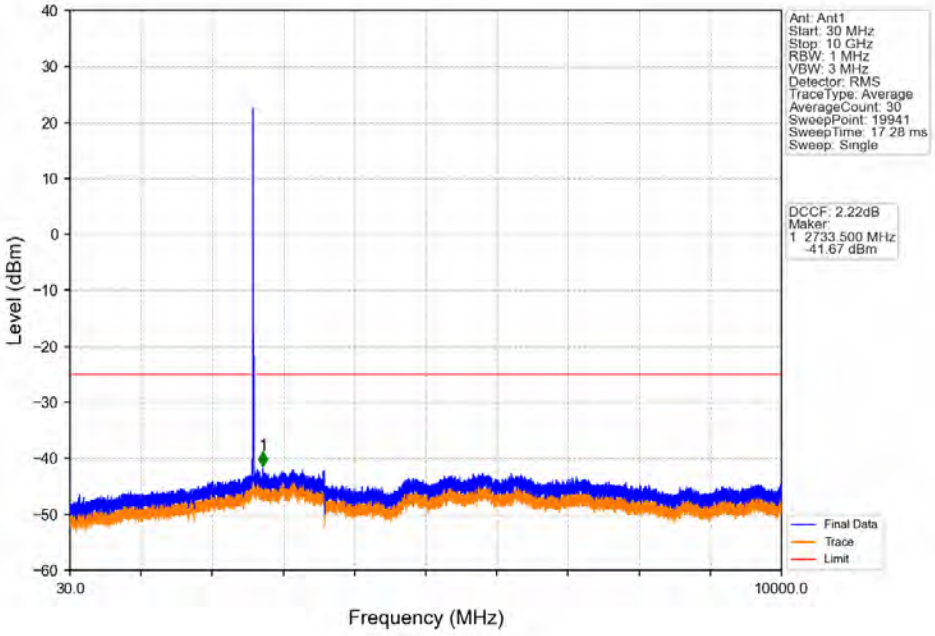


Band41_15MHz_QPSK_LCH_2557.5MHz_RB_75_0_NTNV

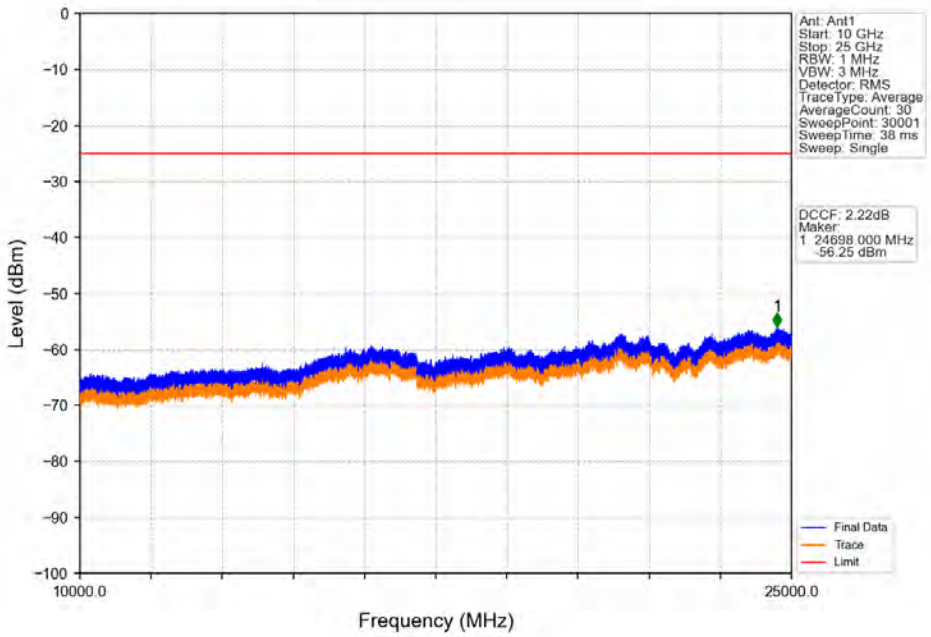



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 2485 | 2495 | 1 | CHP | 1 | 2487.188 | -45.84 | -25 | Pass |
| 2495 | 2496 | 0.3 | / | 2 | 2495.500 | -49.74 | -13 | Pass |
| 2496 | 2572.5 | 0.31 | / | 3 | 2549.750 | -26.63 | -10 | Pass |
| 2572.5 | 2572.5 | 0.31 | / | / | / | / | / | / |

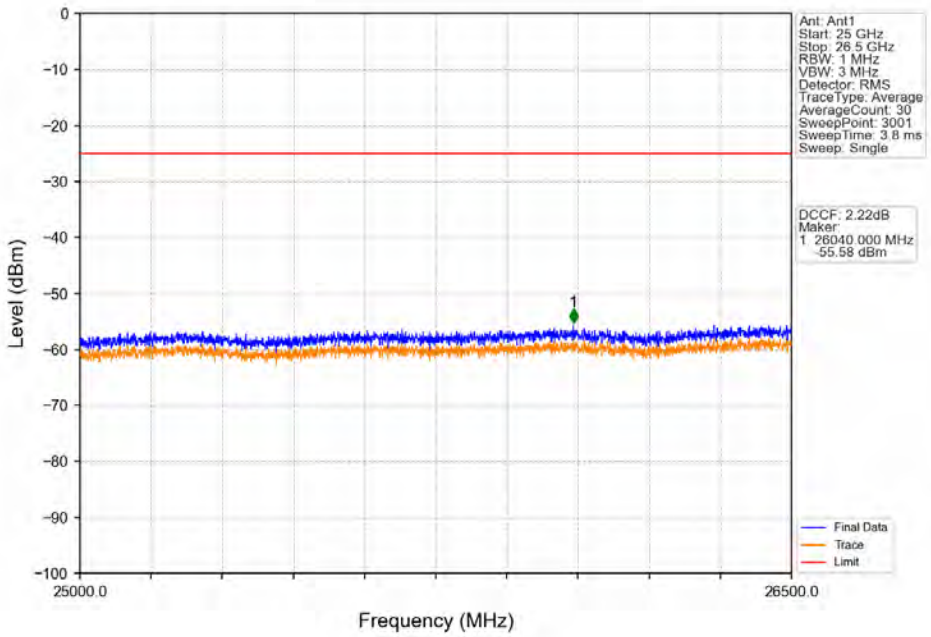
Band41_15MHz_QPSK_MCH_2600MHz_RB_1_0_NTNV



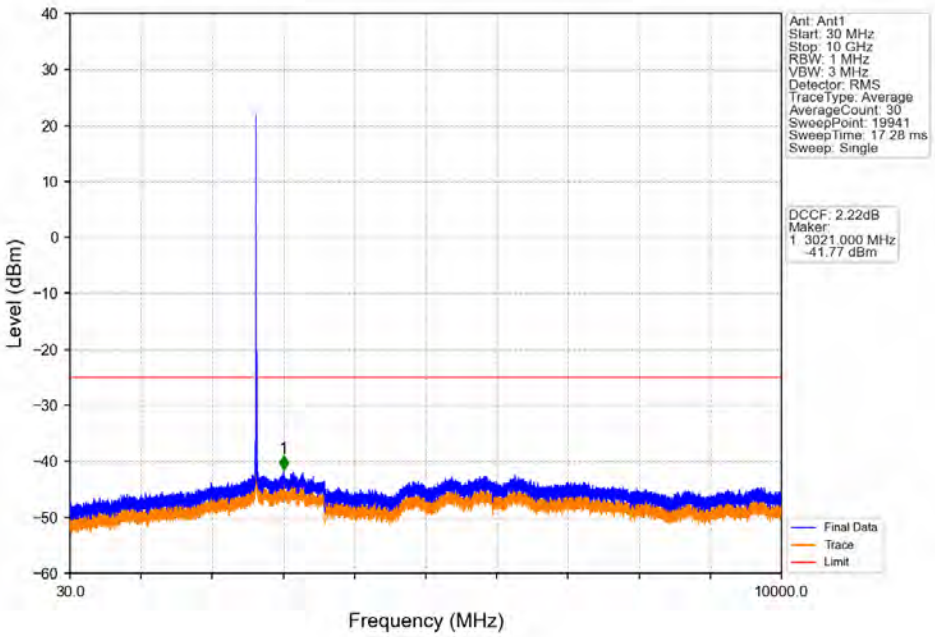
Band41_15MHz_QPSK_MCH_2600MHz_RB_1_0_NTNV



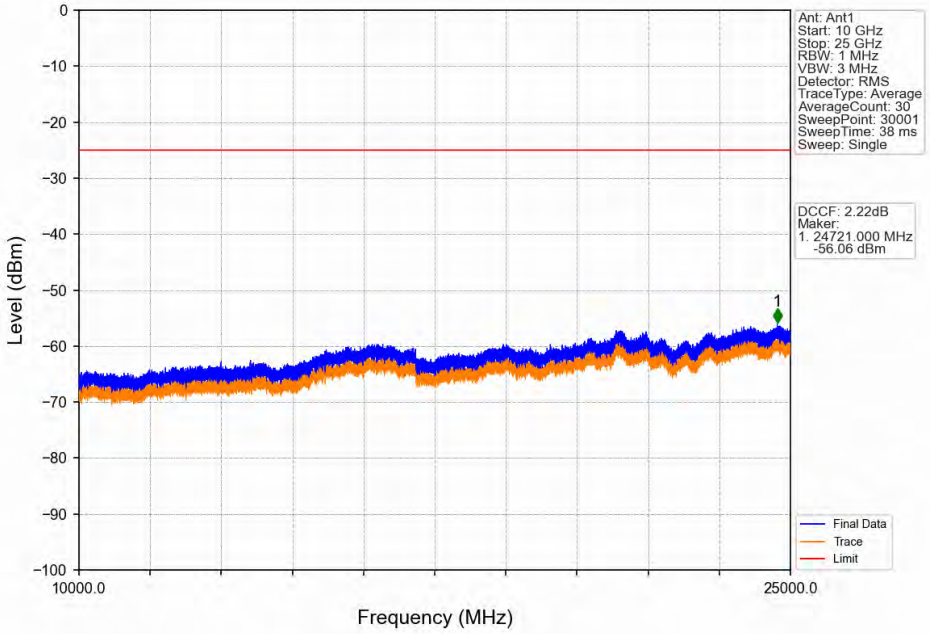

Band41_15MHz_QPSK_MCH_2600MHz_RB_1_0_NTNV



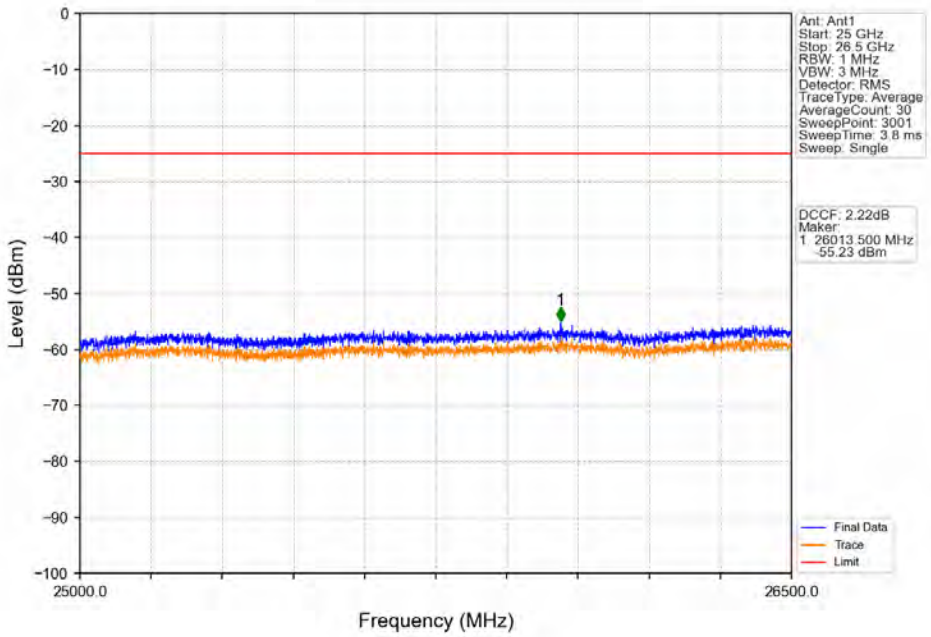
Band41_15MHz_QPSK_HCH_2642.5MHz_RB_1_0_NTNV



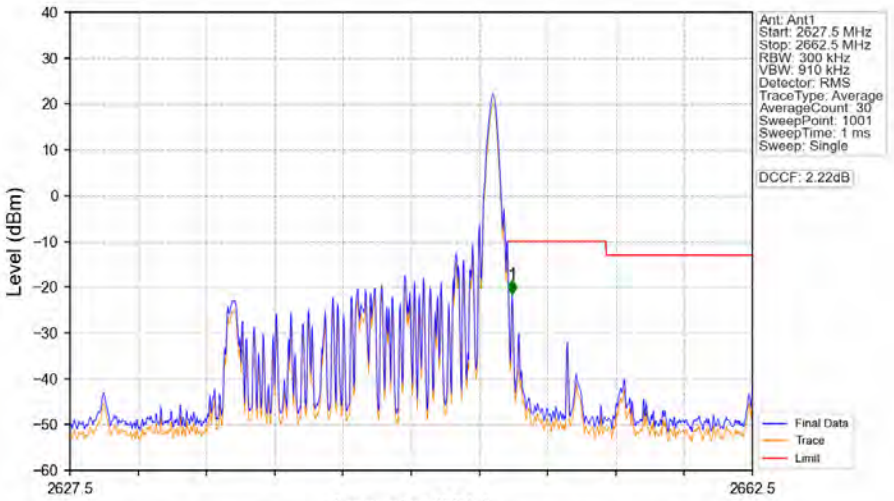

Band41_15MHz_QPSK_HCH_2642.5MHz_RB_1_0_NTNV



Band41_15MHz_QPSK_HCH_2642.5MHz_RB_1_0_NTNV

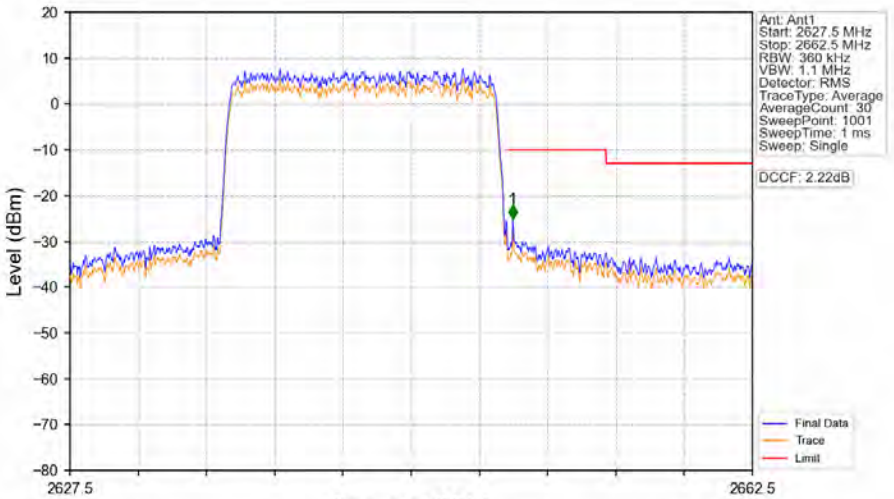



Band41_15MHz_QPSK_HCH_2642.5MHz_RB_1_74_NTNV



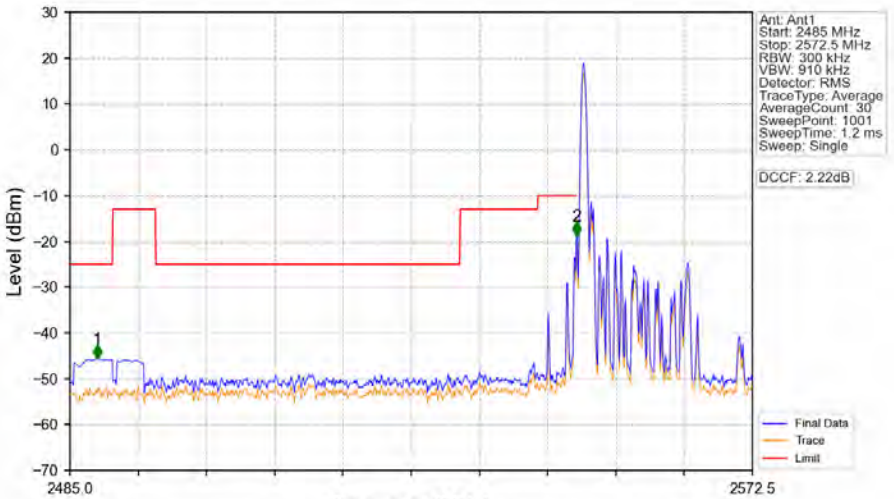

| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 2627.5 | 2662.5 | 0.3 | / | / | / | / | / | / |
| 2662.5 | 2662.5 | 0.3 | / | 1 | 2650.180 | -21.52 | -10 | Pass |

Band41_15MHz_QPSK_HCH_2642.5MHz_RB_75_0_NTNV



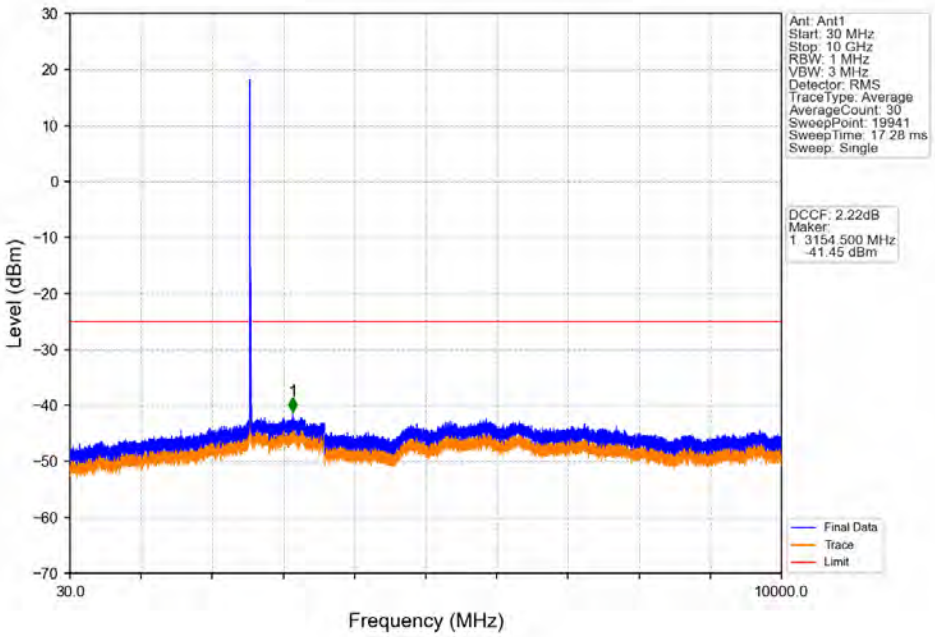

| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 2627.5 | 2662.5 | 0.36 | / | / | / | / | / | / |
| 2662.5 | 2662.5 | 0.36 | / | 1 | 2650.215 | -25.13 | -10 | Pass |

Band41_15MHz_16QAM_LCH_2557.5MHz_RB_1_0_NTNV

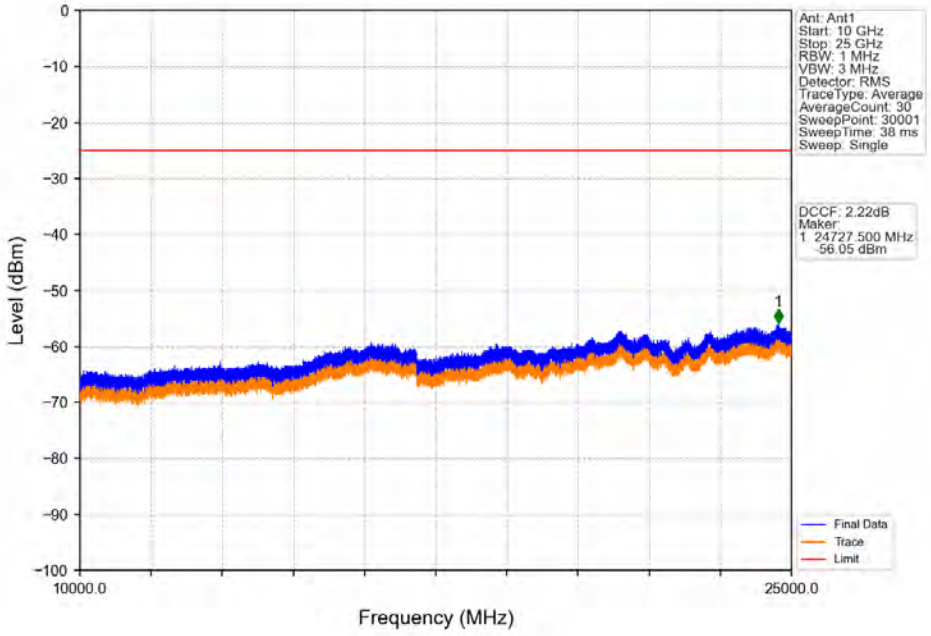



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 2485 | 2495 | 1 | CHP | 1 | 2488.500 | -45.72 | -25 | Pass |
| 2495 | 2572.5 | 0.3 | / | 2 | 2549.925 | -18.81 | -10 | Pass |
| 2572.5 | 2572.5 | 0.3 | / | / | / | / | / | / |

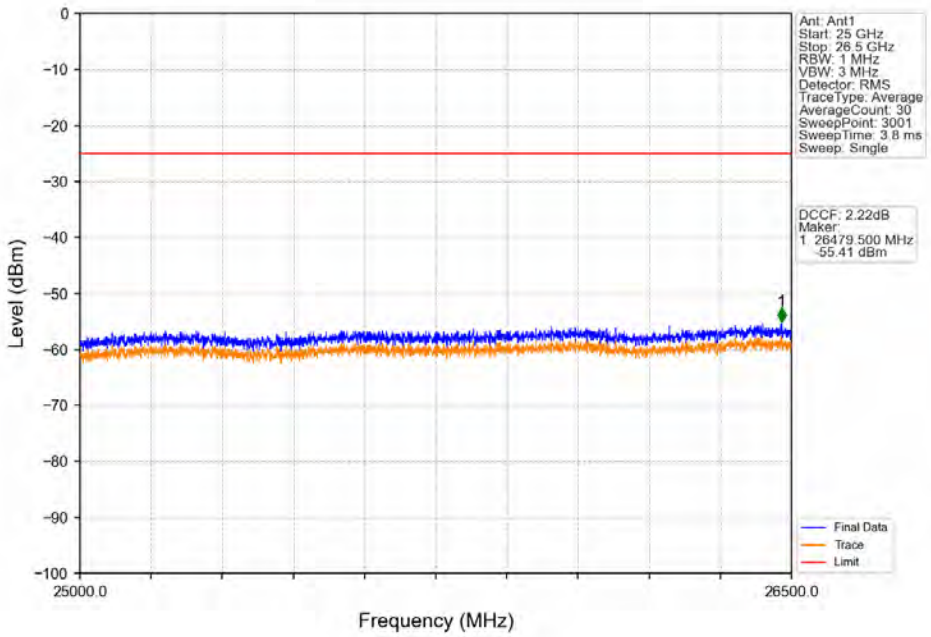
Band41_15MHz_16QAM_LCH_2557.5MHz_RB_1_0_NTNV



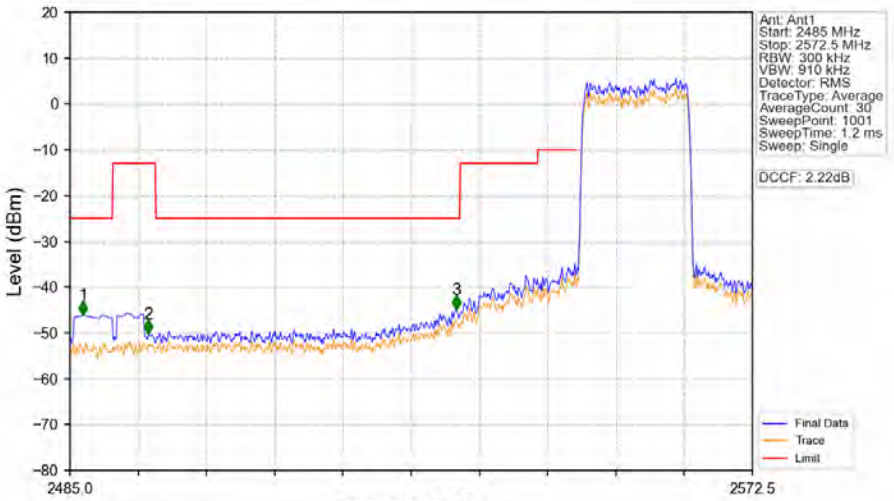

Band41_15MHz_16QAM_LCH_2557.5MHz_RB_1_0_NTNV



Band41_15MHz_16QAM_LCH_2557.5MHz_RB_1_0_NTNV

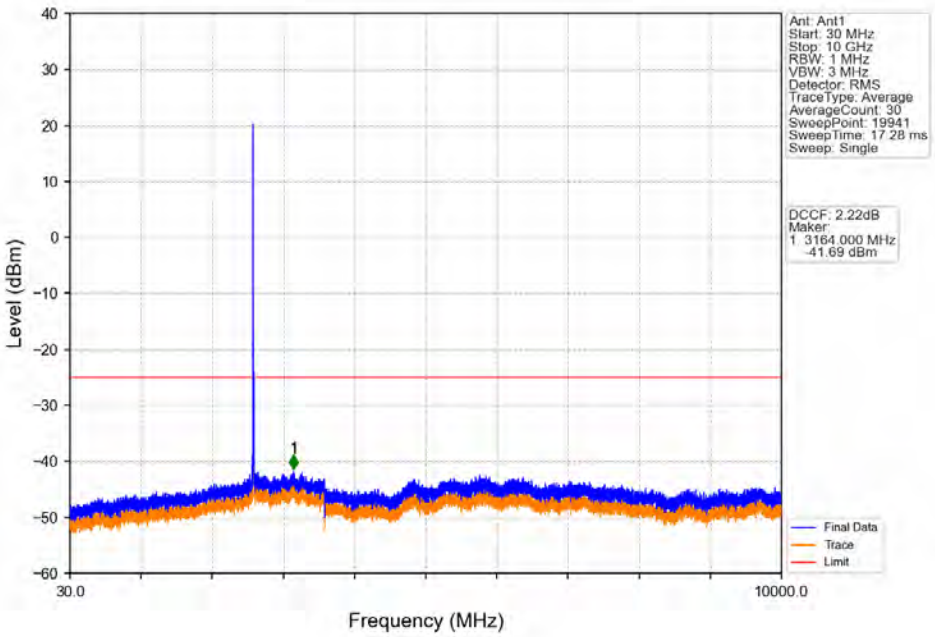



Band41_15MHz_16QAM_LCH_2557.5MHz_RB_75_0_NTNV

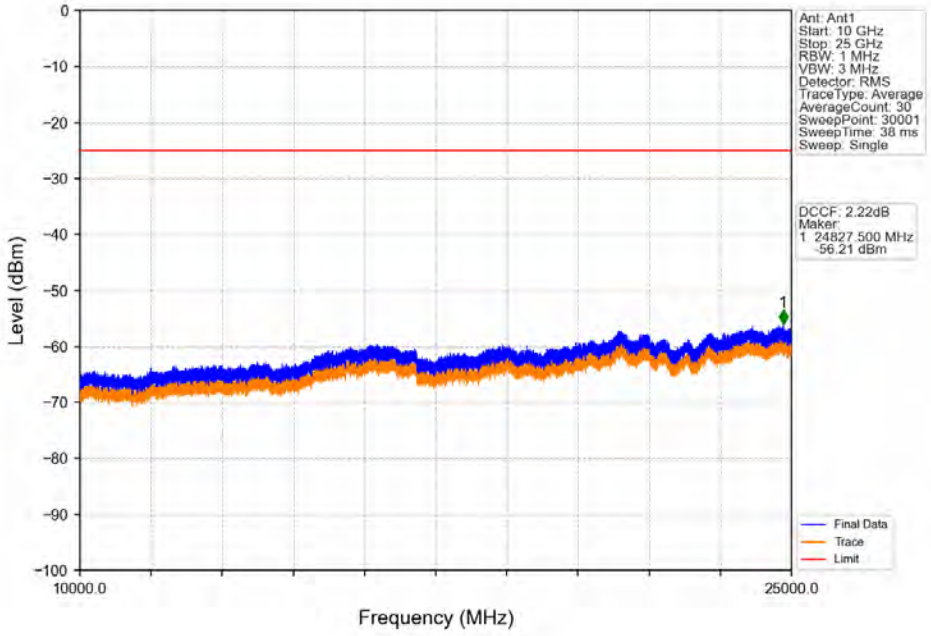



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 2485 | 2495 | 1 | CHP | 1 | 2486.662 | -46.05 | -25 | Pass |
| 2495 | 2496 | 0.3 | / | 2 | 2495.062 | -50.26 | -13 | Pass |
| 2496 | 2572.5 | 0.363 | / | 3 | 2534.525 | -44.85 | -25 | Pass |
| 2572.5 | 2572.5 | 0.363 | / | / | / | / | / | / |

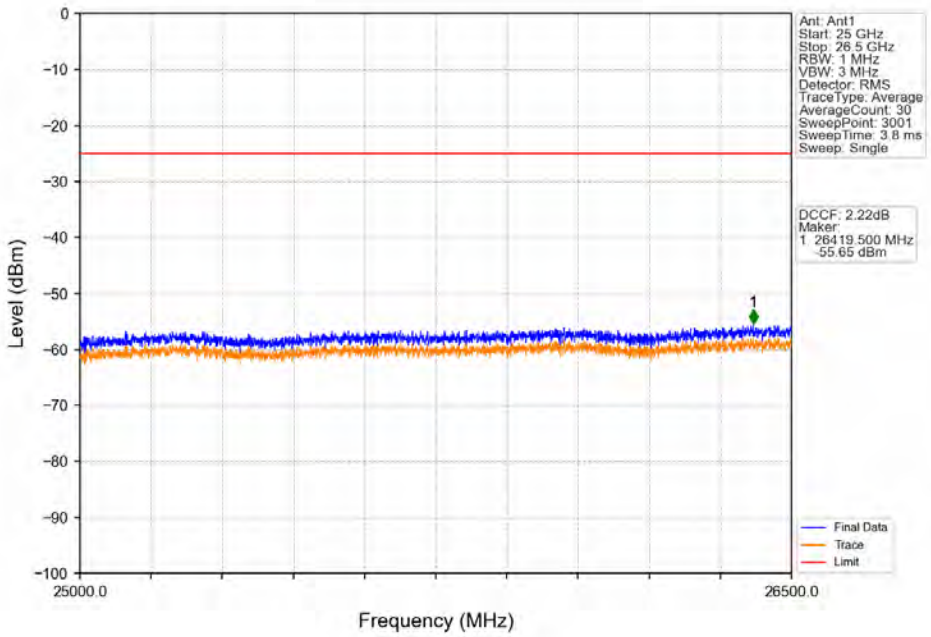
Band41_15MHz_16QAM_MCH_2600MHz_RB_1_0_NTNV



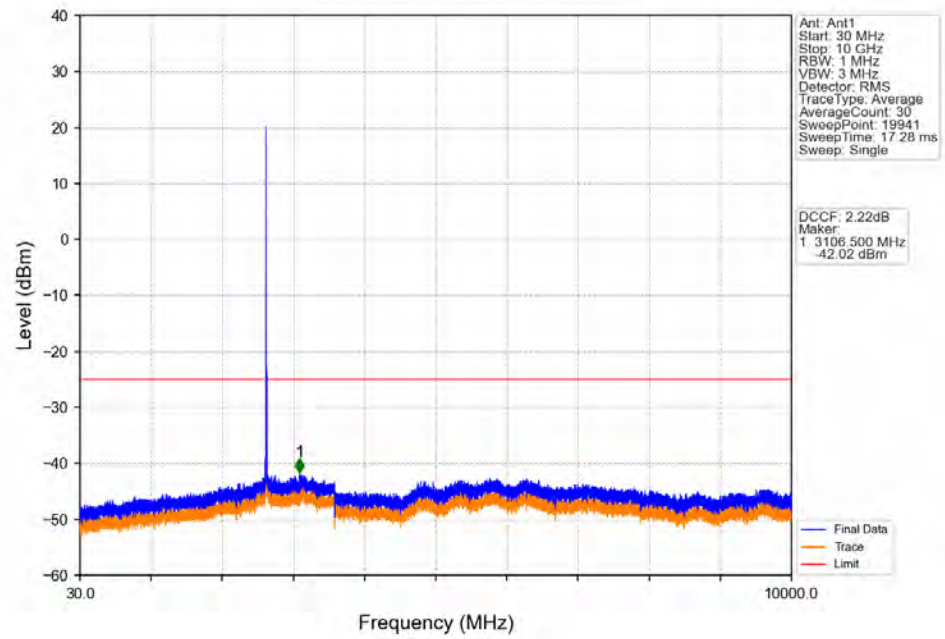

Band41_15MHz_16QAM_MCH_2600MHz_RB_1_0_NTNV



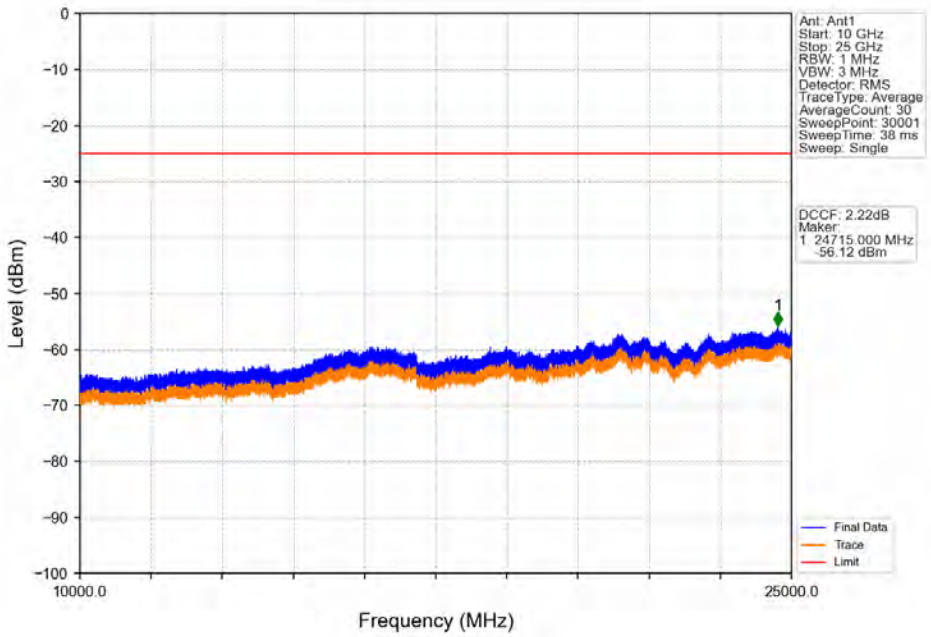
Band41_15MHz_16QAM_MCH_2600MHz_RB_1_0_NTNV



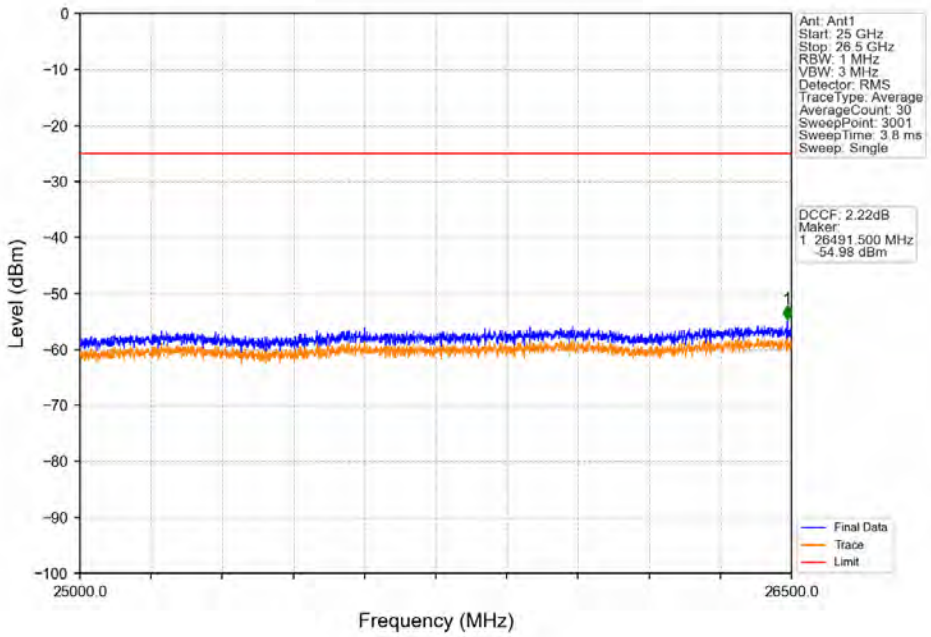

Band41_15MHz_16QAM_HCH_2642.5MHz_RB_1_0_NTNV



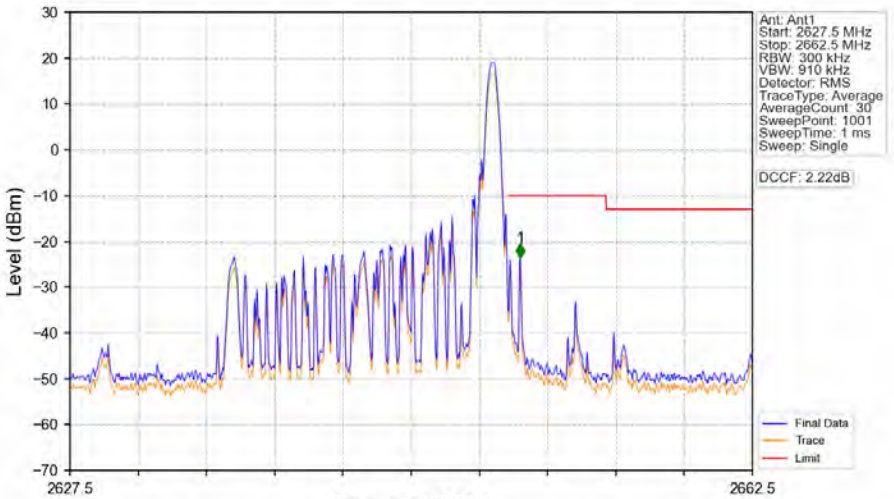
Band41_15MHz_16QAM_HCH_2642.5MHz_RB_1_0_NTNV




Band41_15MHz_16QAM_HCH_2642.5MHz_RB_1_0_NTNV

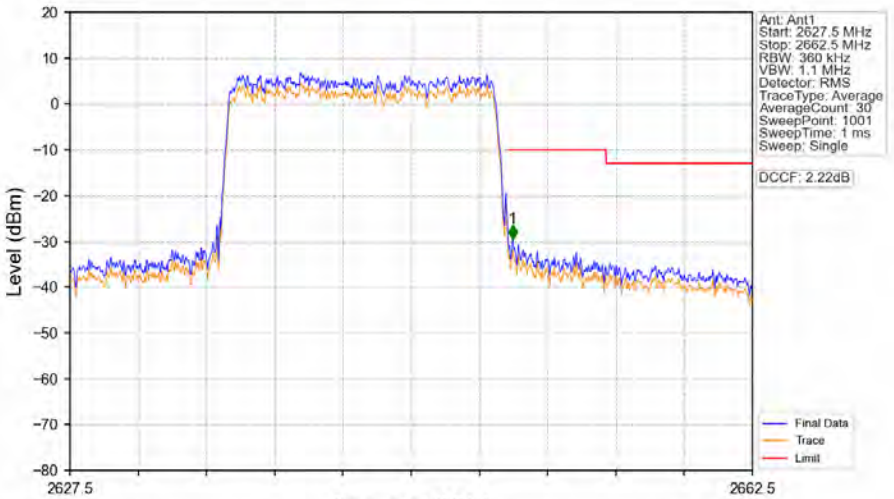


Band41_15MHz_16QAM_HCH_2642.5MHz_RB_1_74_NTNV




| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 2627.5 | 2662.5 | 0.3 | / | / | / | / | / | / |
| 2662.5 | 2662.5 | 0.3 | / | 1 | 2650.600 | -23.61 | -10 | Pass |

Band41_15MHz_16QAM_HCH_2642.5MHz_RB_75_0_NTNV




| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 2627.5 | 2662.5 | 0.36 | / | / | / | / | / | / |
| 2662.5 | 2662.5 | 0.36 | / | 1 | 2650.215 | -29.48 | -10 | Pass |

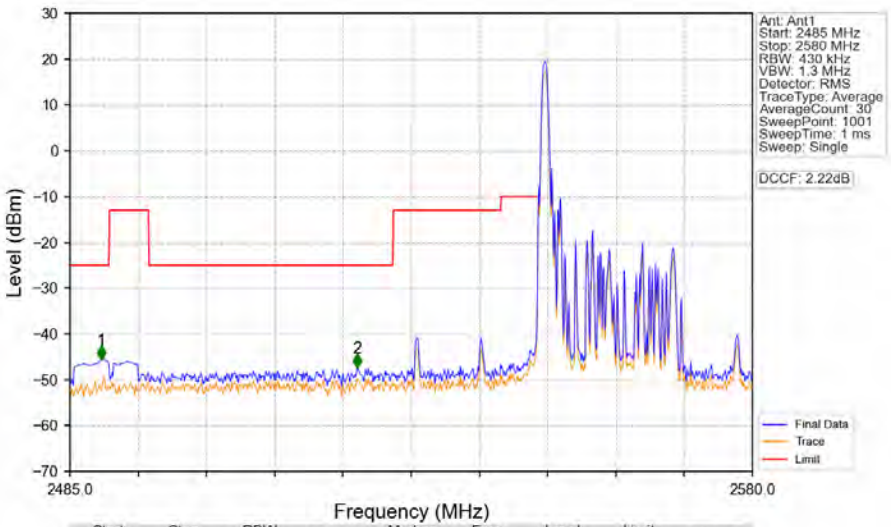
## 6.4 B41_20MHz

### 6.4.1 Test Result

| Band: 41 / Bandwidth: 20MHz / NTNV | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Spurious Emission | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 2560 | 1 | 0 | Refer To Test Graph | | Pass |
| | | 100 | 0 | Refer To Test Graph | | Pass |
| | 2600 | 1 | 0 | Refer To Test Graph | | Pass |
| | 2640 | 1 | 0 | Refer To Test Graph | | Pass |
| | | | 99 | Refer To Test Graph | | Pass |
| | | 100 | 0 | Refer To Test Graph | | Pass |
| 16QAM | 2560 | 1 | 0 | Refer To Test Graph | | Pass |
| | | 100 | 0 | Refer To Test Graph | | Pass |
| | 2600 | 1 | 0 | Refer To Test Graph | | Pass |
| | 2640 | 1 | 0 | Refer To Test Graph | | Pass |
| | | | 99 | Refer To Test Graph | | Pass |
| | | 100 | 0 | Refer To Test Graph | | Pass |

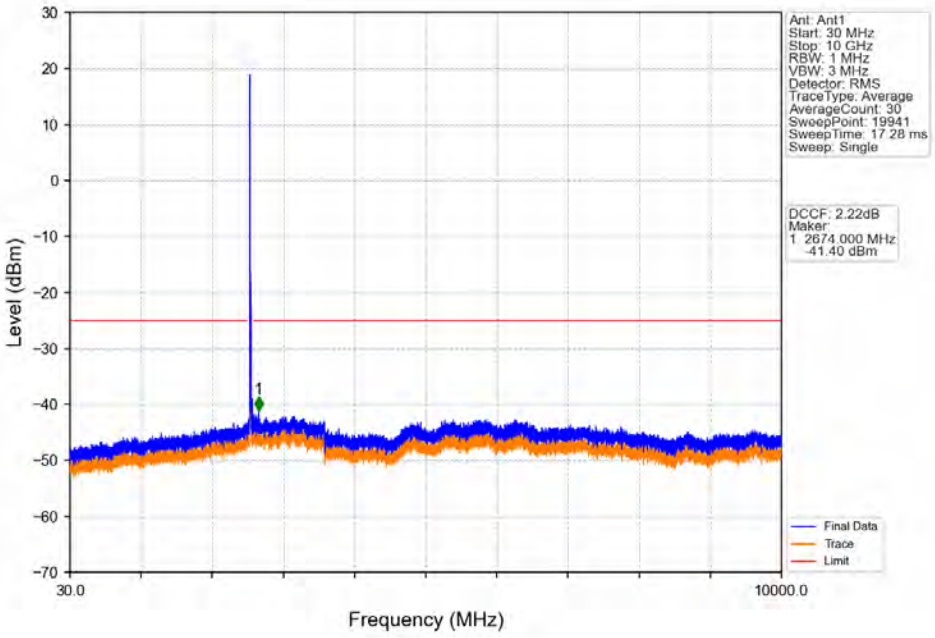
## 6.4.2 Test Graph

Band41_20MHz_QPSK_LCH_2560MHz_RB_1_0_NTNV

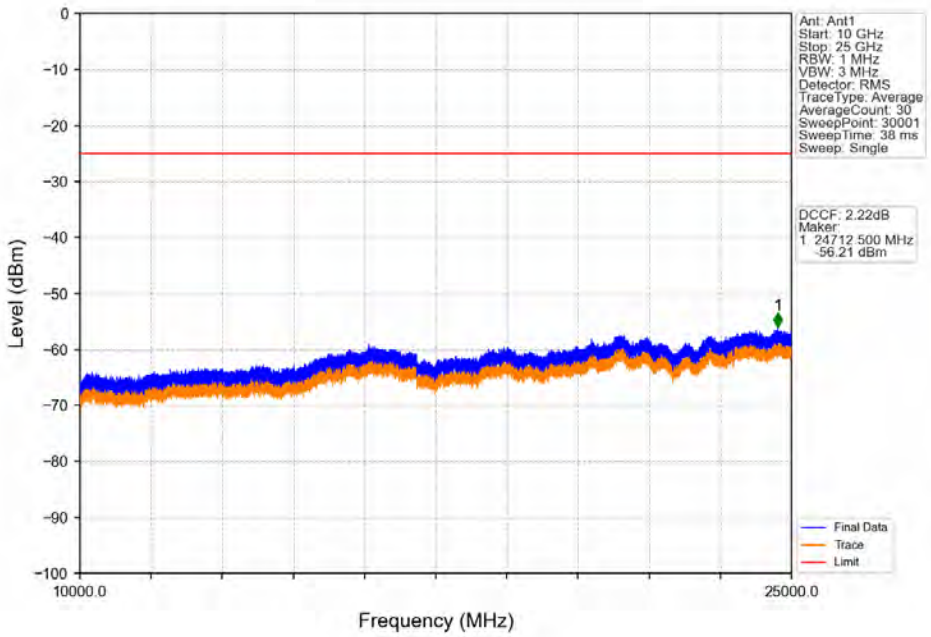



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 2485 | 2495 | 1 | CHP | 1 | 2489.370 | -45.70 | -25 | Pass |
| 2495 | 2580 | 0.43 | / | 2 | 2524.995 | -47.46 | -25 | Pass |
| 2580 | 2580 | 0.43 | / | / | / | / | / | / |

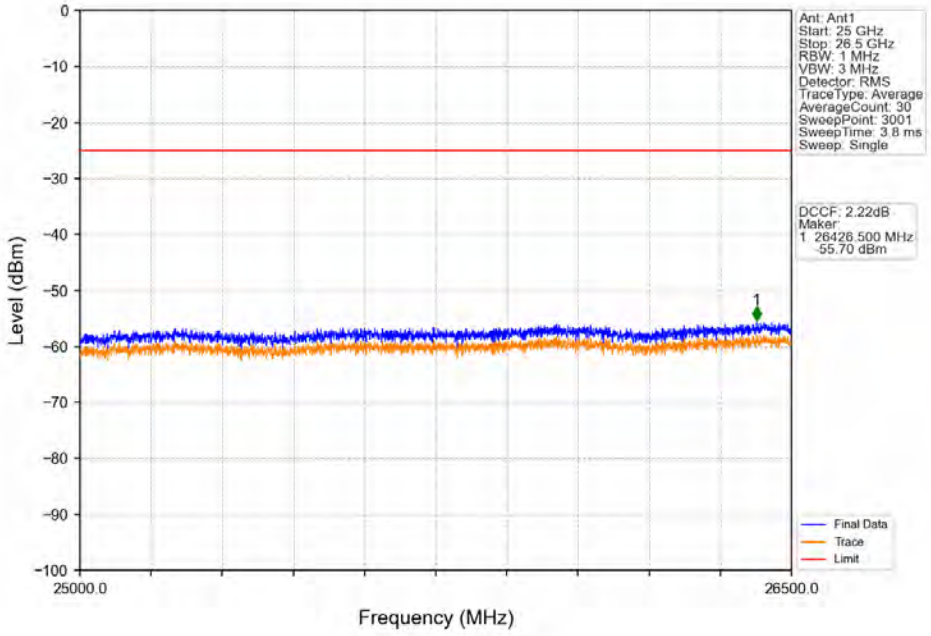
Band41_20MHz_QPSK_LCH_2560MHz_RB_1_0_NTNV



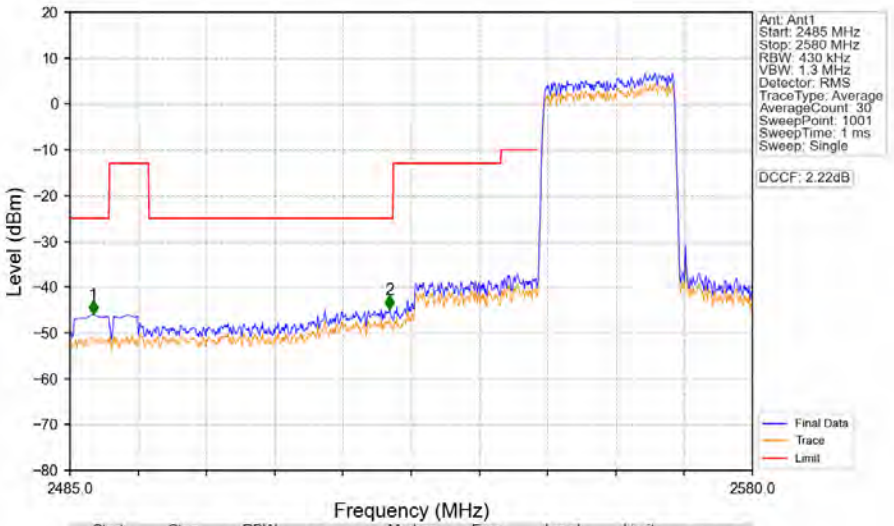
Band41_20MHz_QPSK_LCH_2560MHz_RB_1_0_NTNV




Band41_20MHz_QPSK_LCH_2560MHz_RB_1_0_NTNV

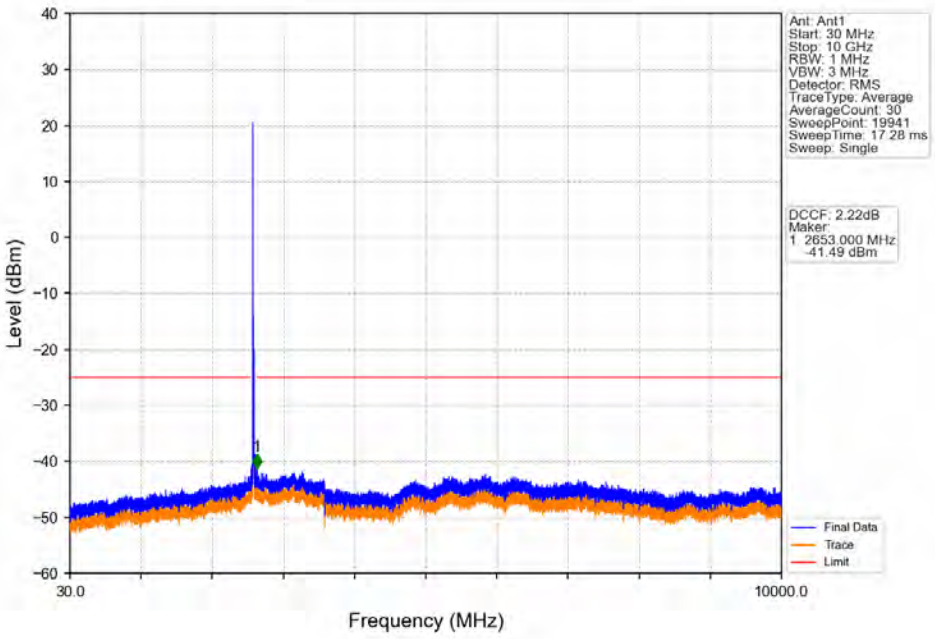


Band41_20MHz_QPSK_LCH_2560MHz_RB_100_0_NTNV

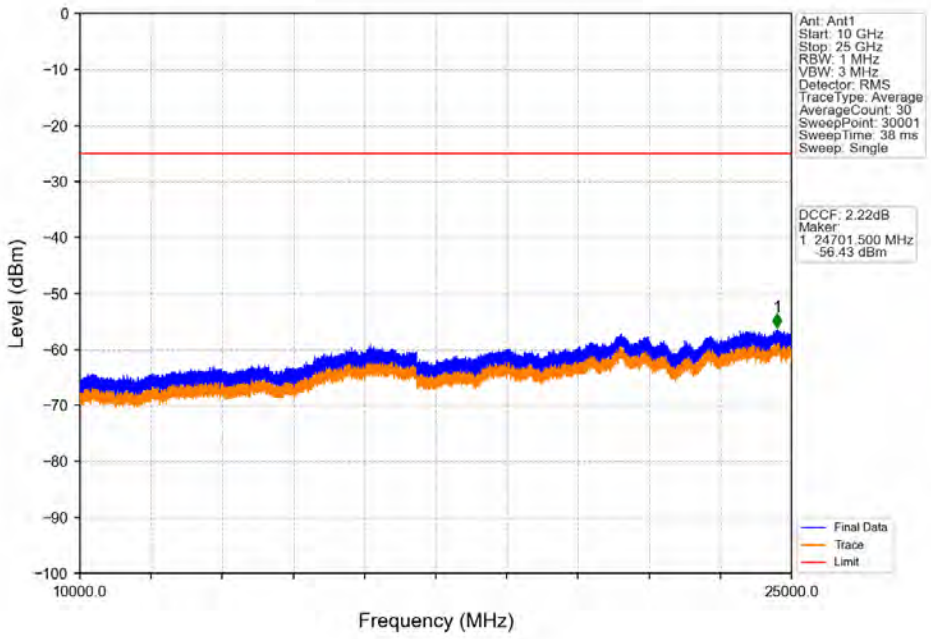



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 2485 | 2495 | 1 | CHP | 1 | 2488.230 | -46.02 | -25 | Pass |
| 2495 | 2580 | 0.43 | / | 2 | 2529.460 | -44.86 | -25 | Pass |
| 2580 | 2580 | 0.43 | / | / | / | / | / | / |

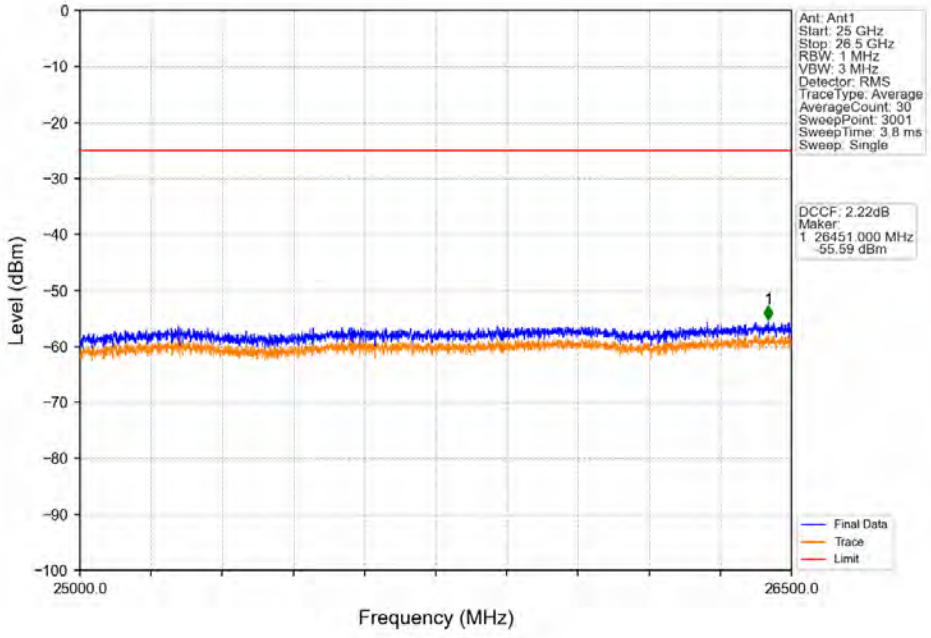
Band41_20MHz_QPSK_MCH_2600MHz_RB_1_0_NTNV

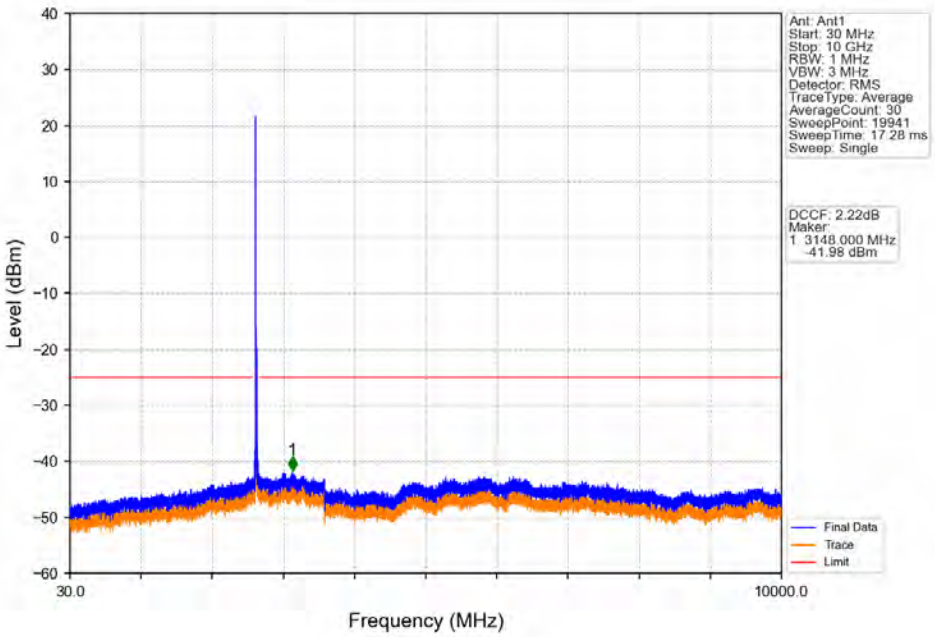


Band41_20MHz_QPSK_MCH_2600MHz_RB_1_0_NTNV

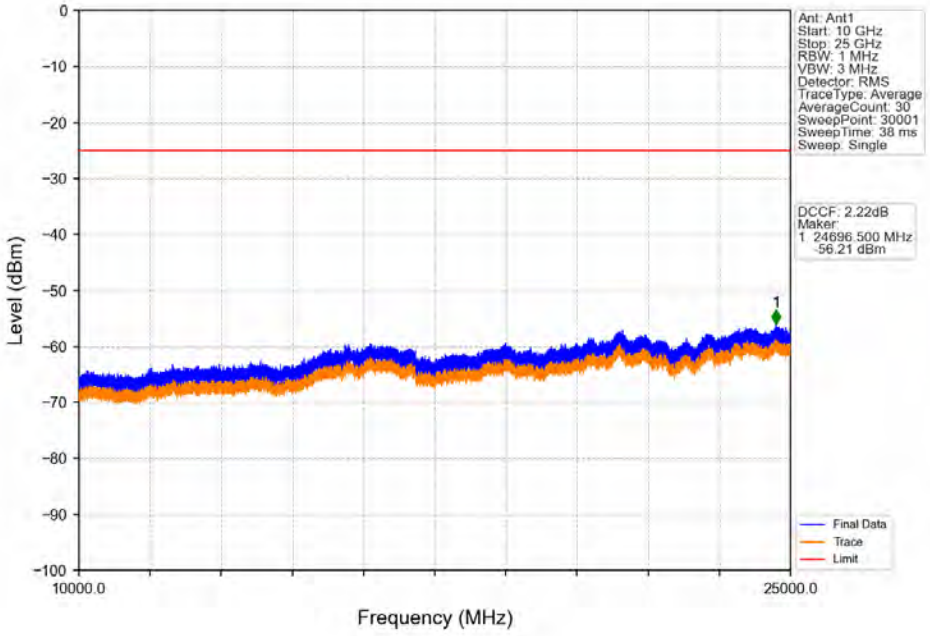



Band41_20MHz_QPSK_MCH_2600MHz_RB_1_0_NTNV

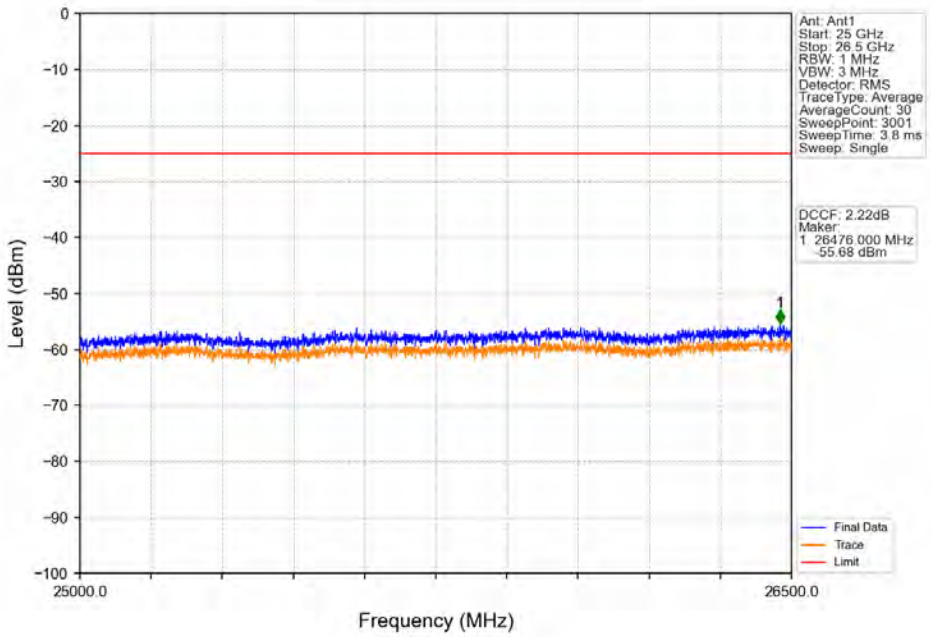


| Band41_20MHz_QPSK_HCH_2640MHz_RB_1_0_NTNV |
| --- |
|  |

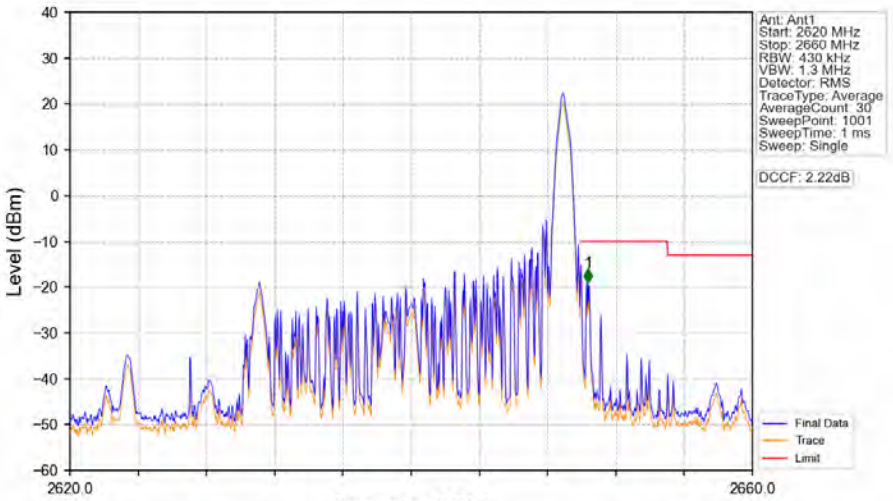


| Band41_20MHz_QPSK_HCH_2640MHz_RB_1_0_NTNV |
| --- |
|  |

Band41_20MHz_QPSK_HCH_2640MHz_RB_1_0_NTNV

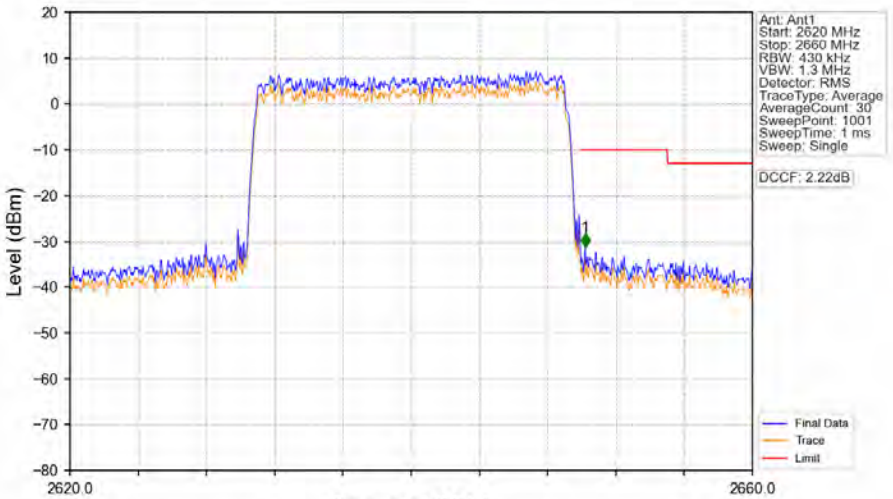



Band41_20MHz_QPSK_HCH_2640MHz_RB_1_99_NTNV




| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 2620 | 2660 | 0.43 | / | / | / | / | / | / |
| 2660 | 2660 | 0.43 | / | 1 | 2650.360 | -19.07 | -10 | Pass |

Band41_20MHz_QPSK_HCH_2640MHz_RB_100_0_NTNV

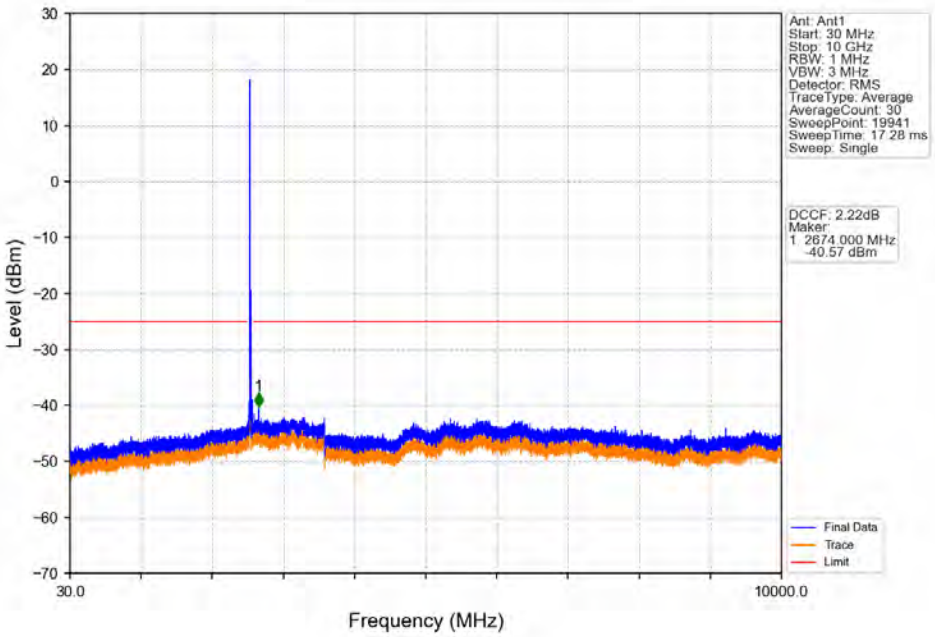



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 2620 | 2660 | 0.43 | / | / | / | / | / | / |
| 2660 | 2660 | 0.43 | / | 1 | 2650.200 | -31.29 | -10 | Pass |

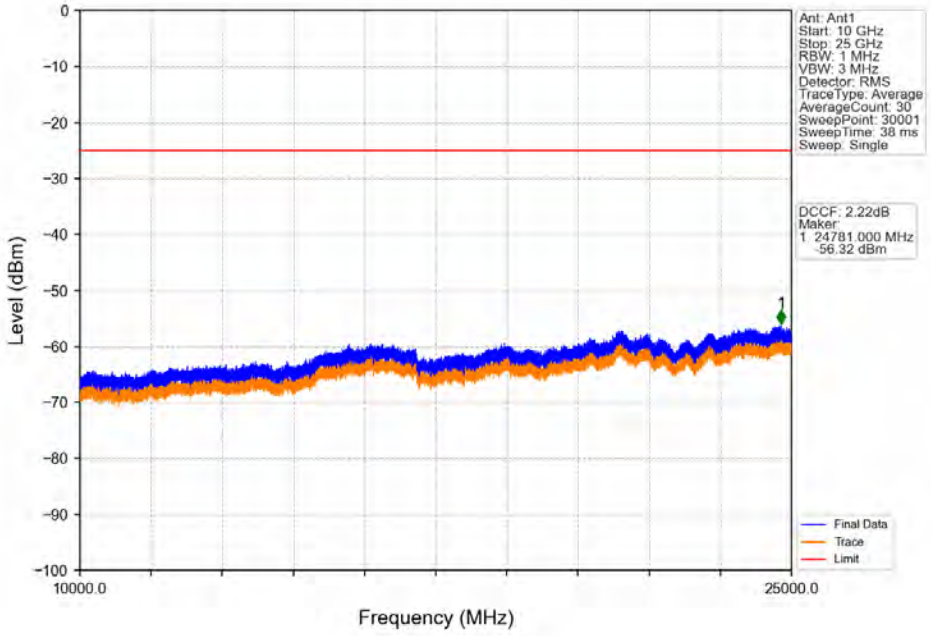
Band41_20MHz_16QAM_LCH_2560MHz_RB_1_0_NTNV


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 2485 | 2495 | 1 | CHP | 1 | 2489.370 | -46.02 | -25 | Pass |
| 2495 | 2580 | 0.43 | / | 2 | 2549.885 | -25.93 | -10 | Pass |
| 2580 | 2580 | 0.43 | / | / | / | / | / | / |

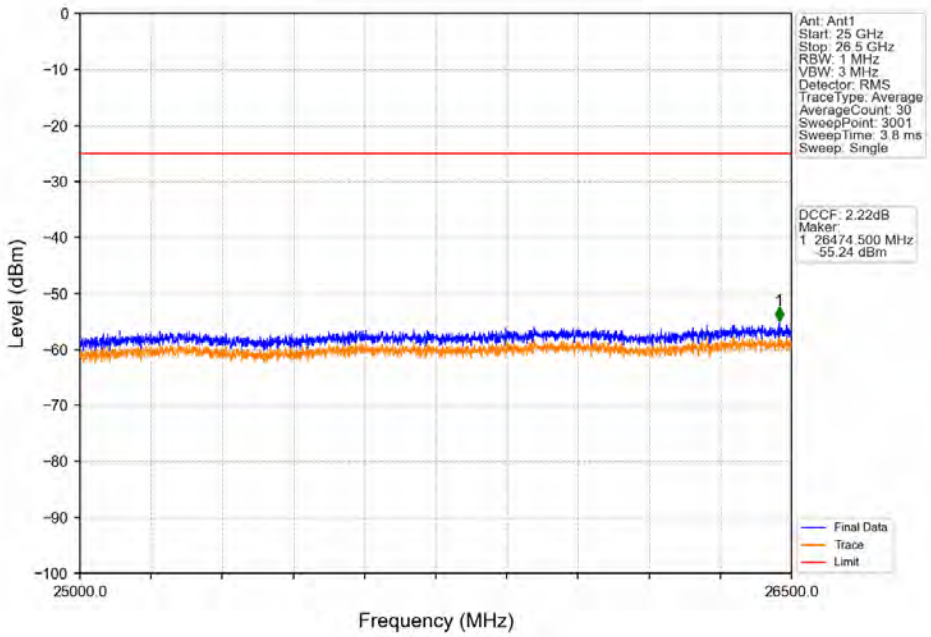
Band41_20MHz_16QAM_LCH_2560MHz_RB_1_0_NTNV



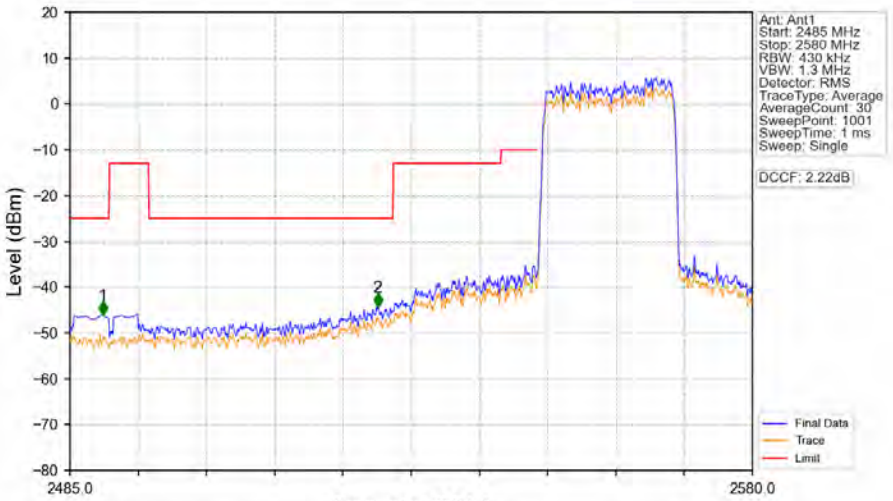

Band41_20MHz_16QAM_LCH_2560MHz_RB_1_0_NTNV



Band41_20MHz_16QAM_LCH_2560MHz_RB_1_0_NTNV

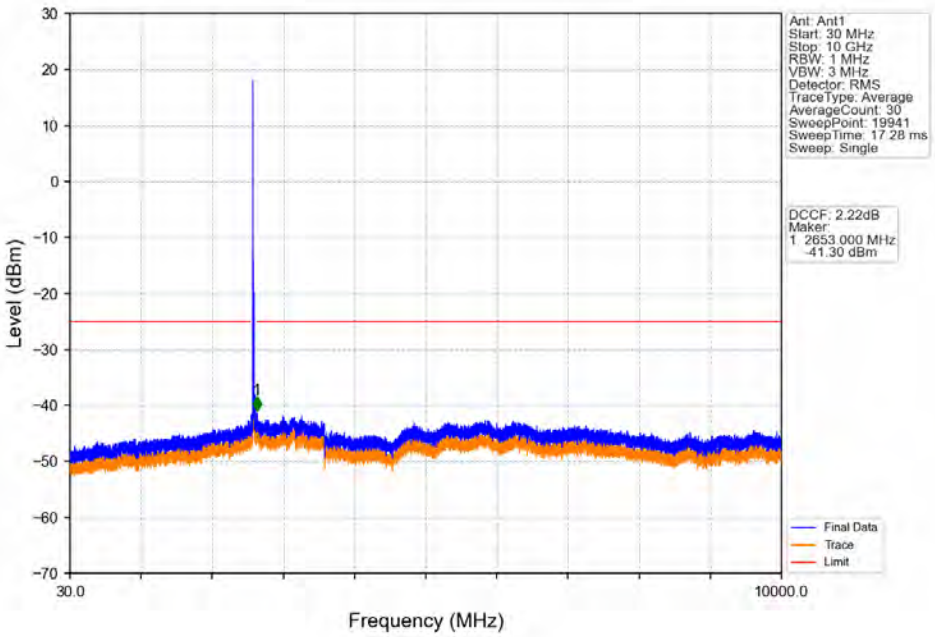



Band41_20MHz_16QAM_LCH_2560MHz_RB_100_0_NTNV

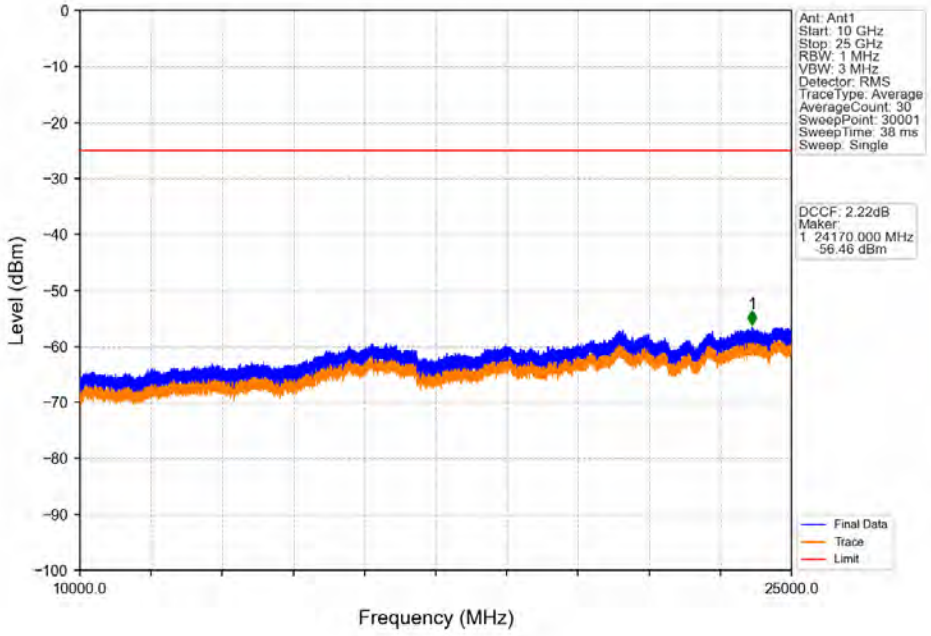



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 2485 | 2495 | 1 | CHP | 1 | 2489.560 | -46.13 | -25 | Pass |
| 2495 | 2580 | 0.43 | / | 2 | 2527.845 | -44.36 | -25 | Pass |
| 2580 | 2580 | 0.43 | / | / | / | / | / | / |

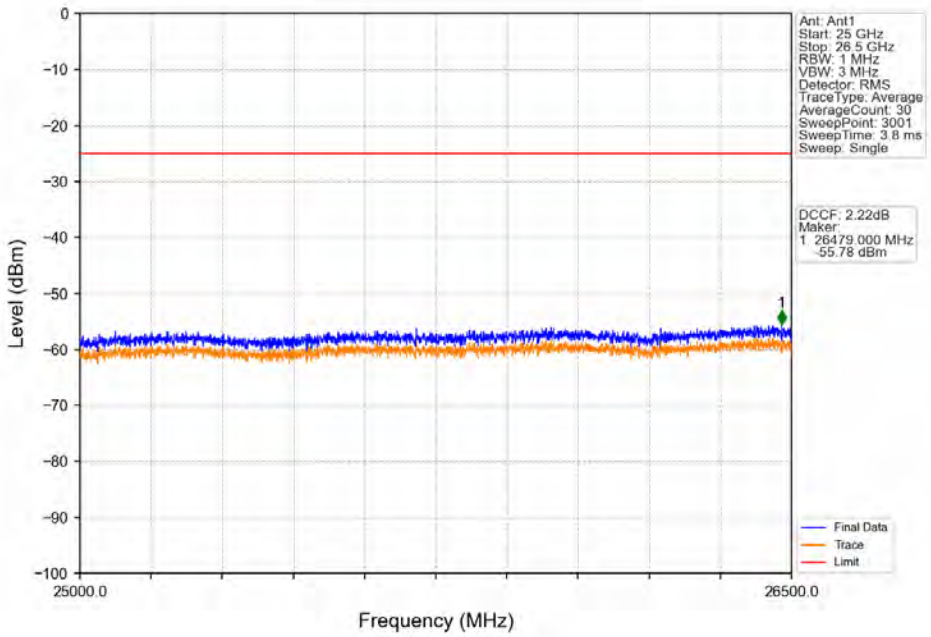
Band41_20MHz_16QAM_MCH_2600MHz_RB_1_0_NTNV



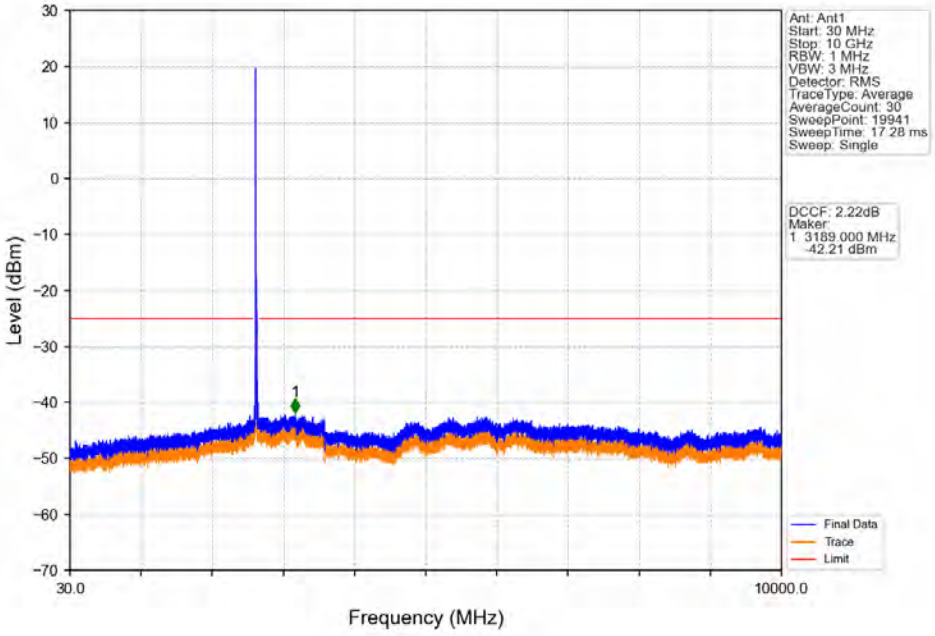

Band41_20MHz_16QAM_MCH_2600MHz_RB_1_0_NTNV



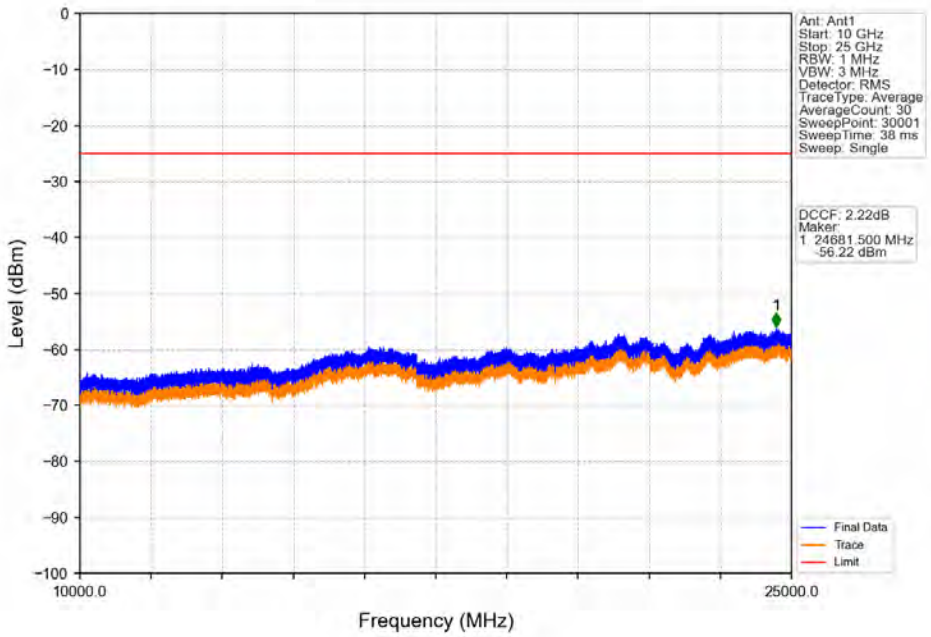
Band41_20MHz_16QAM_MCH_2600MHz_RB_1_0_NTNV



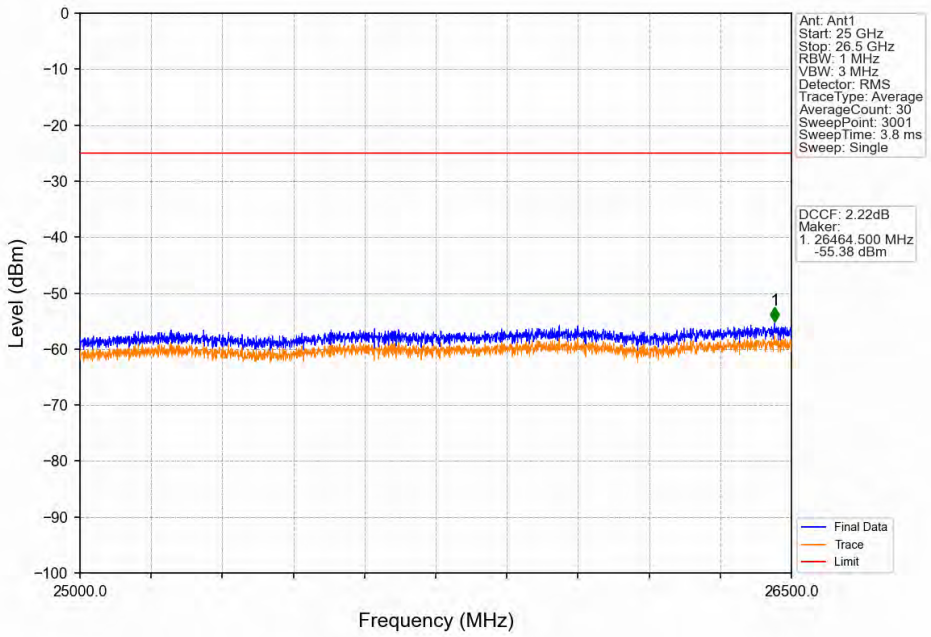

Band41_20MHz_16QAM_HCH_2640MHz_RB_1_0_NTNV



Band41_20MHz_16QAM_HCH_2640MHz_RB_1_0_NTNV



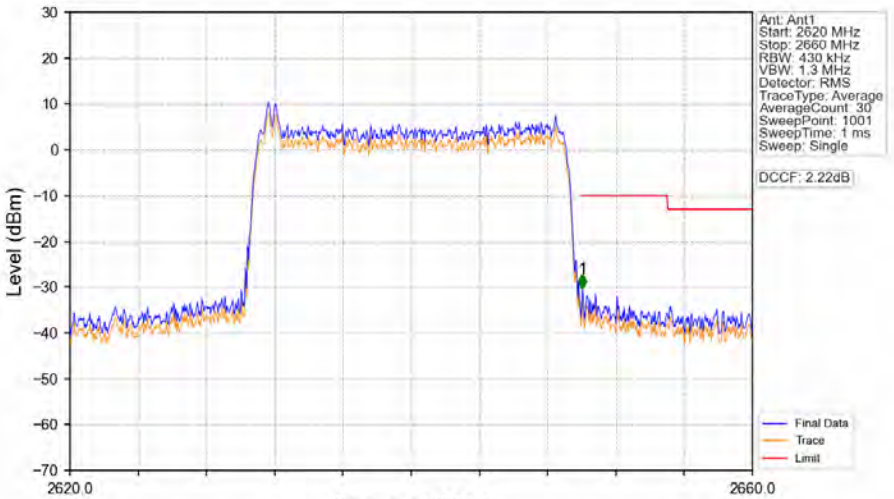

Band41_20MHz_16QAM_HCH_2640MHz_RB_1_0_NTNV



Band41_20MHz_16QAM_HCH_2640MHz_RB_1_99_NTNV


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 2620 | 2660 | 0.43 | / | / | / | / | / | / |
| 2660 | 2660 | 0.43 | / | 1 | 2650.320 | -28.11 | -10 | Pass |

Band41_20MHz_16QAM_HCH_2640MHz_RB_100_0_NTNV




| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|---|---|---|---|---|---|---|---|---|
| 2620 | 2660 | 0.43 | / | / | / | / | / | / |
| 2660 | 2660 | 0.43 | / | 1 | 2650.040 | -30.30 | -10 | 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) |
|---|---|---|---|---|---|---|---|---|---|
| 41 | 5 | 2552.5 | 2647.5 | 0.2153 | 0.3418 | ppm | 4M58G7D | 27M | 23.33 |
| 41 | 5 | 2552.5 | 2647.5 | 0.1778 | 0.3455 | ppm | 4M60W7D | 27M | 22.50 |
| 41 | 10 | 2555 | 2645 | 0.2291 | 0.0056 | ppm | 9M10G7D | 27M | 23.60 |
| 41 | 10 | 2555 | 2645 | 0.1828 | 0.0064 | ppm | 9M11W7D | 27M | 22.62 |
| 41 | 15 | 2557.5 | 2642.5 | 0.2183 | 0.0064 | ppm | 13M6G7D | 27M | 23.39 |
| 41 | 15 | 2557.5 | 2642.5 | 0.1754 | 0.0046 | ppm | 13M7W7D | 27M | 22.44 |
| 41 | 20 | 2560 | 2640 | 0.2163 | 0.0048 | ppm | 18M2G7D | 27M | 23.35 |
| 41 | 20 | 2560 | 2640 | 0.1738 | 0.0049 | ppm | 18M2W7D | 27M | 22.40 |

## 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) |
|---|---|---|---|---|---|---|---|---|---|
| 41 | 5 | 2552.5 | 2647.5 | 0.2070 | 0.3418 | ppm | 4M58G7D | 27M | 23.16 |
| 41 | 5 | 2552.5 | 2647.5 | 0.1710 | 0.3455 | ppm | 4M60W7D | 27M | 22.33 |
| 41 | 10 | 2555 | 2645 | 0.2203 | 0.0056 | ppm | 9M10G7D | 27M | 23.43 |
| 41 | 10 | 2555 | 2645 | 0.1758 | 0.0064 | ppm | 9M11W7D | 27M | 22.45 |
| 41 | 15 | 2557.5 | 2642.5 | 0.2099 | 0.0064 | ppm | 13M6G7D | 27M | 23.22 |
| 41 | 15 | 2557.5 | 2642.5 | 0.1687 | 0.0046 | ppm | 13M7W7D | 27M | 22.27 |
| 41 | 20 | 2560 | 2640 | 0.2080 | 0.0048 | ppm | 18M2G7D | 27M | 23.18 |
| 41 | 20 | 2560 | 2640 | 0.1671 | 0.0049 | ppm | 18M2W7D | 27M | 22.23 |