# 1. Effective (Isotropic) Radiated Power Output Data

## 1.1 Test Result

### 1.1.1 B41_5MHz_EIRP

| Band: 41 / Bandwidth: 5MHz / NTNV | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Conducted Power (dBm) | Gain (dBi) | EIRP (dBm) | | Verdict |
| | | Size | Offset | | | Result | Limit | |
| QPSK | 2557.5 | 1 | 0 | 23.61 | 1.10 | 24.71 | <=33.01 | Pass |
| | | | 13 | 23.71 | 1.10 | 24.81 | <=33.01 | Pass |
| | | | 24 | 23.62 | 1.10 | 24.72 | <=33.01 | Pass |
| | | 12 | 0 | 22.68 | 1.10 | 23.78 | <=33.01 | Pass |
| | | | 6 | 22.67 | 1.10 | 23.77 | <=33.01 | Pass |
| | | | 13 | 22.68 | 1.10 | 23.78 | <=33.01 | Pass |
| | | 25 | 0 | 22.70 | 1.10 | 23.80 | <=33.01 | Pass |
| | 2605 | 1 | 0 | 23.40 | 1.10 | 24.50 | <=33.01 | Pass |
| | | | 13 | 23.52 | 1.10 | 24.62 | <=33.01 | Pass |
| | | | 24 | 23.42 | 1.10 | 24.52 | <=33.01 | Pass |
| | | 12 | 0 | 22.33 | 1.10 | 23.43 | <=33.01 | Pass |
| | | | 6 | 22.39 | 1.10 | 23.49 | <=33.01 | Pass |
| | | | 13 | 22.34 | 1.10 | 23.44 | <=33.01 | Pass |
| | | 25 | 0 | 22.45 | 1.10 | 23.55 | <=33.01 | Pass |
| | 2652.5 | 1 | 0 | 23.34 | 1.10 | 24.44 | <=33.01 | Pass |
| | | | 13 | 23.22 | 1.10 | 24.32 | <=33.01 | Pass |
| | | | 24 | 23.13 | 1.10 | 24.23 | <=33.01 | Pass |
| | | 12 | 0 | 22.03 | 1.10 | 23.13 | <=33.01 | Pass |
| | | | 6 | 22.08 | 1.10 | 23.18 | <=33.01 | Pass |
| | | | 13 | 21.97 | 1.10 | 23.07 | <=33.01 | Pass |
| | | 25 | 0 | 21.98 | 1.10 | 23.08 | <=33.01 | Pass |
| 16QAM | 2557.5 | 1 | 0 | 22.70 | 1.10 | 23.80 | <=33.01 | Pass |
| | | | 13 | 22.71 | 1.10 | 23.81 | <=33.01 | Pass |
| | | | 24 | 22.69 | 1.10 | 23.79 | <=33.01 | Pass |
| | | 12 | 0 | 21.62 | 1.10 | 22.72 | <=33.01 | Pass |
| | | | 6 | 21.64 | 1.10 | 22.74 | <=33.01 | Pass |
| | | | 13 | 21.63 | 1.10 | 22.73 | <=33.01 | Pass |
| | | 25 | 0 | 21.60 | 1.10 | 22.70 | <=33.01 | Pass |
| | 2605 | 1 | 0 | 22.62 | 1.10 | 23.72 | <=33.01 | Pass |
| | | | 13 | 22.72 | 1.10 | 23.82 | <=33.01 | Pass |
| | | | 24 | 22.23 | 1.10 | 23.33 | <=33.01 | Pass |
| | | 12 | 0 | 21.20 | 1.10 | 22.30 | <=33.01 | Pass |
| | | | 6 | 21.37 | 1.10 | 22.47 | <=33.01 | Pass |
| | | | 13 | 21.17 | 1.10 | 22.27 | <=33.01 | Pass |
| | | 25 | 0 | 21.19 | 1.10 | 22.29 | <=33.01 | Pass |
| | 2652.5 | 1 | 0 | 22.13 | 1.10 | 23.23 | <=33.01 | Pass |
| | | | 13 | 22.26 | 1.10 | 23.36 | <=33.01 | Pass |
| | | | 24 | 22.12 | 1.10 | 23.22 | <=33.01 | Pass |
| | | 12 | 0 | 20.97 | 1.10 | 22.07 | <=33.01 | Pass |
| | | | 6 | 21.12 | 1.10 | 22.22 | <=33.01 | Pass |
| | | | 13 | 21.04 | 1.10 | 22.14 | <=33.01 | Pass |
| | | 25 | 0 | 21.04 | 1.10 | 22.14 | <=33.01 | Pass |
| Note1: EIRP=Conducted Power+Antenna Gain | | | | | | | | |

### 1.1.2 B41_10MHz_EIRP

| Band: 41 / Bandwidth: 10MHz / NTNV |
|---|

| Modulation | Frequency (MHz) | RB Allocation | | Conducted Power (dBm) | Gain (dBi) | EIRP (dBm) | | Verdict |
|---|---|---|---|---|---|---|---|---|
| | | Size | Offset | | | Result | Limit | |
| QPSK | 2560 | 1 | 0 | 23.28 | 1.10 | 24.38 | <=33.01 | Pass |
| | | | 25 | 23.50 | 1.10 | 24.60 | <=33.01 | Pass |
| | | | 49 | 23.24 | 1.10 | 24.34 | <=33.01 | Pass |
| | | 25 | 0 | 22.31 | 1.10 | 23.41 | <=33.01 | Pass |
| | | | 13 | 22.29 | 1.10 | 23.39 | <=33.01 | Pass |
| | | | 25 | 22.22 | 1.10 | 23.32 | <=33.01 | Pass |
| | | 50 | 0 | 22.28 | 1.10 | 23.38 | <=33.01 | Pass |
| | 2605 | 1 | 0 | 23.03 | 1.10 | 24.13 | <=33.01 | Pass |
| | | | 25 | 23.06 | 1.10 | 24.16 | <=33.01 | Pass |
| | | | 49 | 23.05 | 1.10 | 24.15 | <=33.01 | Pass |
| | | 25 | 0 | 21.94 | 1.10 | 23.04 | <=33.01 | Pass |
| | | | 13 | 21.92 | 1.10 | 23.02 | <=33.01 | Pass |
| | | | 25 | 22.00 | 1.10 | 23.10 | <=33.01 | Pass |
| | | 50 | 0 | 21.99 | 1.10 | 23.09 | <=33.01 | Pass |
| | 2650 | 1 | 0 | 23.14 | 1.10 | 24.24 | <=33.01 | Pass |
| | | | 25 | 23.28 | 1.10 | 24.38 | <=33.01 | Pass |
| | | | 49 | 22.94 | 1.10 | 24.04 | <=33.01 | Pass |
| | | 25 | 0 | 22.02 | 1.10 | 23.12 | <=33.01 | Pass |
| | | | 13 | 22.14 | 1.10 | 23.24 | <=33.01 | Pass |
| | | | 25 | 22.10 | 1.10 | 23.20 | <=33.01 | Pass |
| | | 50 | 0 | 22.03 | 1.10 | 23.13 | <=33.01 | Pass |
| 16QAM | 2560 | 1 | 0 | 22.26 | 1.10 | 23.36 | <=33.01 | Pass |
| | | | 25 | 22.23 | 1.10 | 23.33 | <=33.01 | Pass |
| | | | 49 | 22.05 | 1.10 | 23.15 | <=33.01 | Pass |
| | | 25 | 0 | 21.28 | 1.10 | 22.38 | <=33.01 | Pass |
| | | | 13 | 21.29 | 1.10 | 22.39 | <=33.01 | Pass |
| | | | 25 | 21.24 | 1.10 | 22.34 | <=33.01 | Pass |
| | | 50 | 0 | 21.23 | 1.10 | 22.33 | <=33.01 | Pass |
| | 2605 | 1 | 0 | 21.85 | 1.10 | 22.95 | <=33.01 | Pass |
| | | | 25 | 22.06 | 1.10 | 23.16 | <=33.01 | Pass |
| | | | 49 | 22.14 | 1.10 | 23.24 | <=33.01 | Pass |
| | | 25 | 0 | 20.94 | 1.10 | 22.04 | <=33.01 | Pass |
| | | | 13 | 21.03 | 1.10 | 22.13 | <=33.01 | Pass |
| | | | 25 | 21.02 | 1.10 | 22.12 | <=33.01 | Pass |
| | | 50 | 0 | 20.91 | 1.10 | 22.01 | <=33.01 | Pass |
| | 2650 | 1 | 0 | 21.91 | 1.10 | 23.01 | <=33.01 | Pass |
| | | | 25 | 22.02 | 1.10 | 23.12 | <=33.01 | Pass |
| | | | 49 | 21.89 | 1.10 | 22.99 | <=33.01 | Pass |
| | | 25 | 0 | 21.09 | 1.10 | 22.19 | <=33.01 | Pass |
| | | | 13 | 21.18 | 1.10 | 22.28 | <=33.01 | Pass |
| | | | 25 | 21.10 | 1.10 | 22.20 | <=33.01 | Pass |
| | | 50 | 0 | 21.17 | 1.10 | 22.27 | <=33.01 | Pass |
| Note1: EIRP=Conducted Power+Antenna Gain | | | | | | | | |

### 1.1.3 B41_15MHz_EIRP

| Band: 41 / Bandwidth: 15MHz / NTNV | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Conducted Power (dBm) | Gain (dBi) | EIRP (dBm) | | Verdict |
| | | Size | Offset | | | Result | Limit | |
| QPSK | 2562.5 | 1 | 0 | 23.17 | 1.10 | 24.27 | <=33.01 | Pass |
| | | | 38 | 23.28 | 1.10 | 24.38 | <=33.01 | Pass |
| | | | 74 | 23.18 | 1.10 | 24.28 | <=33.01 | Pass |
| | | 36 | 0 | 22.28 | 1.10 | 23.38 | <=33.01 | Pass |
| | | | 18 | 22.34 | 1.10 | 23.44 | <=33.01 | Pass |
| | | | 39 | 22.22 | 1.10 | 23.32 | <=33.01 | Pass |
| | | 75 | 0 | 22.29 | 1.10 | 23.39 | <=33.01 | Pass |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | 2605 | 1 | 0 | 22.79 | 1.10 | 23.89 | <=33.01 | Pass |
| | | | 38 | 22.99 | 1.10 | 24.09 | <=33.01 | Pass |
| | | | 74 | 22.93 | 1.10 | 24.03 | <=33.01 | Pass |
| | | 36 | 0 | 22.02 | 1.10 | 23.12 | <=33.01 | Pass |
| | | | 18 | 21.93 | 1.10 | 23.03 | <=33.01 | Pass |
| | | | 39 | 21.91 | 1.10 | 23.01 | <=33.01 | Pass |
| | | 75 | 0 | 21.91 | 1.10 | 23.01 | <=33.01 | Pass |
| | 2647.5 | 1 | 0 | 23.07 | 1.10 | 24.17 | <=33.01 | Pass |
| | | | 38 | 22.99 | 1.10 | 24.09 | <=33.01 | Pass |
| | | | 74 | 23.00 | 1.10 | 24.10 | <=33.01 | Pass |
| | | 36 | 0 | 22.09 | 1.10 | 23.19 | <=33.01 | Pass |
| | | | 18 | 22.07 | 1.10 | 23.17 | <=33.01 | Pass |
| | | | 39 | 22.03 | 1.10 | 23.13 | <=33.01 | Pass |
| | | 75 | 0 | 22.09 | 1.10 | 23.19 | <=33.01 | Pass |
| 16QAM | 2562.5 | 1 | 0 | 22.15 | 1.10 | 23.25 | <=33.01 | Pass |
| | | | 38 | 22.06 | 1.10 | 23.16 | <=33.01 | Pass |
| | | | 74 | 22.12 | 1.10 | 23.22 | <=33.01 | Pass |
| | | 36 | 0 | 21.21 | 1.10 | 22.31 | <=33.01 | Pass |
| | | | 18 | 21.25 | 1.10 | 22.35 | <=33.01 | Pass |
| | | | 39 | 21.22 | 1.10 | 22.32 | <=33.01 | Pass |
| | | 75 | 0 | 21.28 | 1.10 | 22.38 | <=33.01 | Pass |
| | 2605 | 1 | 0 | 21.96 | 1.10 | 23.06 | <=33.01 | Pass |
| | | | 38 | 21.78 | 1.10 | 22.88 | <=33.01 | Pass |
| | | | 74 | 21.62 | 1.10 | 22.72 | <=33.01 | Pass |
| | | 36 | 0 | 20.87 | 1.10 | 21.97 | <=33.01 | Pass |
| | | | 18 | 21.07 | 1.10 | 22.17 | <=33.01 | Pass |
| | | | 39 | 21.03 | 1.10 | 22.13 | <=33.01 | Pass |
| | | 75 | 0 | 21.04 | 1.10 | 22.14 | <=33.01 | Pass |
| | 2647.5 | 1 | 0 | 21.81 | 1.10 | 22.91 | <=33.01 | Pass |
| | | | 38 | 21.95 | 1.10 | 23.05 | <=33.01 | Pass |
| | | | 74 | 21.77 | 1.10 | 22.87 | <=33.01 | Pass |
| | | 36 | 0 | 21.07 | 1.10 | 22.17 | <=33.01 | Pass |
| | | | 18 | 21.02 | 1.10 | 22.12 | <=33.01 | Pass |
| | | | 39 | 21.02 | 1.10 | 22.12 | <=33.01 | Pass |
| | | 75 | 0 | 21.10 | 1.10 | 22.20 | <=33.01 | Pass |
| Note1: EIRP=Conducted Power+Antenna Gain | | | | | | | | |

## 1.1.4 B41_20MHz_EIRP

| Band: 41 / Bandwidth: 20MHz / NTNV | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Conducted Power (dBm) | Gain (dBi) | EIRP (dBm) | | Verdict |
| | | Size | Offset | | | Result | Limit | |
| QPSK | 2565 | 1 | 0 | 23.02 | 1.10 | 24.12 | <=33.01 | Pass |
| | | | 50 | 23.50 | 1.10 | 24.60 | <=33.01 | Pass |
| | | | 99 | 22.98 | 1.10 | 24.08 | <=33.01 | Pass |
| | | 50 | 0 | 22.17 | 1.10 | 23.27 | <=33.01 | Pass |
| | | | 25 | 22.21 | 1.10 | 23.31 | <=33.01 | Pass |
| | | | 50 | 22.11 | 1.10 | 23.21 | <=33.01 | Pass |
| | | 100 | 0 | 22.16 | 1.10 | 23.26 | <=33.01 | Pass |
| | 2605 | 1 | 0 | 22.74 | 1.10 | 23.84 | <=33.01 | Pass |
| | | | 50 | 23.14 | 1.10 | 24.24 | <=33.01 | Pass |
| | | | 99 | 22.56 | 1.10 | 23.66 | <=33.01 | Pass |
| | | 50 | 0 | 21.82 | 1.10 | 22.92 | <=33.01 | Pass |
| | | | 25 | 22.00 | 1.10 | 23.10 | <=33.01 | Pass |
| | | | 50 | 21.95 | 1.10 | 23.05 | <=33.01 | Pass |
| | | 100 | 0 | 21.93 | 1.10 | 23.03 | <=33.01 | Pass |
| | 2645 | 1 | 0 | 22.66 | 1.10 | 23.76 | <=33.01 | Pass |
| | | | 50 | 23.11 | 1.10 | 24.21 | <=33.01 | Pass |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | 99 | 22.68 | 1.10 | 23.78 | <=33.01 | Pass |
| | | 50 | 0 | 21.91 | 1.10 | 23.01 | <=33.01 | Pass |
| | | | 25 | 22.09 | 1.10 | 23.19 | <=33.01 | Pass |
| | | | 50 | 21.96 | 1.10 | 23.06 | <=33.01 | Pass |
| | | 100 | 0 | 21.94 | 1.10 | 23.04 | <=33.01 | Pass |
| 16QAM | 2565 | 1 | 0 | 21.95 | 1.10 | 23.05 | <=33.01 | Pass |
| | | | 50 | 22.33 | 1.10 | 23.43 | <=33.01 | Pass |
| | | | 99 | 21.82 | 1.10 | 22.92 | <=33.01 | Pass |
| | | 50 | 0 | 21.16 | 1.10 | 22.26 | <=33.01 | Pass |
| | | | 25 | 21.18 | 1.10 | 22.28 | <=33.01 | Pass |
| | | | 50 | 21.18 | 1.10 | 22.28 | <=33.01 | Pass |
| | | 100 | 0 | 21.07 | 1.10 | 22.17 | <=33.01 | Pass |
| | 2605 | 1 | 0 | 21.24 | 1.10 | 22.34 | <=33.01 | Pass |
| | | | 50 | 22.12 | 1.10 | 23.22 | <=33.01 | Pass |
| | | | 99 | 21.72 | 1.10 | 22.82 | <=33.01 | Pass |
| | | 50 | 0 | 20.91 | 1.10 | 22.01 | <=33.01 | Pass |
| | | | 25 | 20.92 | 1.10 | 22.02 | <=33.01 | Pass |
| | | | 50 | 20.93 | 1.10 | 22.03 | <=33.01 | Pass |
| | | 100 | 0 | 20.96 | 1.10 | 22.06 | <=33.01 | Pass |
| | 2645 | 1 | 0 | 21.89 | 1.10 | 22.99 | <=33.01 | Pass |
| | | | 50 | 22.32 | 1.10 | 23.42 | <=33.01 | Pass |
| | | | 99 | 21.87 | 1.10 | 22.97 | <=33.01 | Pass |
| | | 50 | 0 | 20.96 | 1.10 | 22.06 | <=33.01 | Pass |
| | | | 25 | 21.13 | 1.10 | 22.23 | <=33.01 | Pass |
| | | | 50 | 21.00 | 1.10 | 22.10 | <=33.01 | Pass |
| | | 100 | 0 | 20.97 | 1.10 | 22.07 | <=33.01 | Pass |
| Note1: EIRP=Conducted Power+Antenna Gain | | | | | | | | |

# 2. Frequency Stability

## 2.1 Test Result

### 2.1.1 B41_5MHz

| 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 | 2557.5 | 25 | 0 | 20 | 3.27 | 0.629 | 0.0002 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | 4.706 | 0.0018 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | 15.764 | 0.0062 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | 4.764 | 0.0019 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | 18.940 | 0.0074 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | 9.799 | 0.0038 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | 20.471 | 0.0080 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | 8.612 | 0.0034 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | 29.583 | 0.0116 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | 18.983 | 0.0074 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | 23.746 | 0.0093 | -2.5 to 2.5 | Pass |
| | 2605 | 25 | 0 | 20 | 3.27 | 8.540 | 0.0033 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | 7.768 | 0.0030 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | 14.420 | 0.0055 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | 22.416 | 0.0086 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | 8.769 | 0.0034 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | 19.326 | 0.0074 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | 7.367 | 0.0028 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | 14.892 | 0.0057 | -2.5 to 2.5 | Pass |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | 30 | 3.85 | 12.674 | 0.0049 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | 18.153 | 0.0070 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | 5.493 | 0.0021 | -2.5 to 2.5 | Pass |
| | 2652.5 | 25 | 0 | 20 | 3.27 | -0.200 | -0.0001 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | 26.107 | 0.0098 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | 15.535 | 0.0059 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | 14.548 | 0.0055 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | 25.792 | 0.0097 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | 8.554 | 0.0032 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | 20.242 | 0.0076 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | 12.517 | 0.0047 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | 16.823 | 0.0063 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | 12.488 | 0.0047 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | 30.956 | 0.0117 | -2.5 to 2.5 | Pass |
| 16QAM | 2557.5 | 25 | 0 | 20 | 3.27 | 27.595 | 0.0108 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | 15.478 | 0.0061 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | 31.171 | 0.0122 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | 16.680 | 0.0065 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | 24.605 | 0.0096 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | 17.381 | 0.0068 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | 26.565 | 0.0104 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | 21.901 | 0.0086 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | 28.667 | 0.0112 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | 42.758 | 0.0167 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | 24.118 | 0.0094 | -2.5 to 2.5 | Pass |
| | 2605 | 25 | 0 | 20 | 3.27 | 11.888 | 0.0046 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | 8.683 | 0.0033 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | 29.268 | 0.0112 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | 13.962 | 0.0054 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | 14.176 | 0.0054 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | 20.156 | 0.0077 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | 22.058 | 0.0085 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | 31.857 | 0.0122 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | 19.298 | 0.0074 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | 13.490 | 0.0052 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | 12.131 | 0.0047 | -2.5 to 2.5 | Pass |
| | 2652.5 | 25 | 0 | 20 | 3.27 | 8.483 | 0.0032 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | 27.781 | 0.0105 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | 6.552 | 0.0025 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | 14.734 | 0.0056 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | 7.854 | 0.0030 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | 31.242 | 0.0118 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | 26.007 | 0.0098 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | 3.562 | 0.0013 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | 19.441 | 0.0073 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | 27.323 | 0.0103 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | 25.005 | 0.0094 | -2.5 to 2.5 | Pass |

## 2.1.2 B41_10MHz

| 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 | 2560 | 50 | 0 | 20 | 3.27 | -9.727 | -0.0038 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -22.445 | -0.0088 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -1.602 | -0.0006 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -5.994 | -0.0023 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -11.916 | -0.0047 | -2.5 to 2.5 | Pass |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | -10 | 3.85 | -5.350 | -0.0021 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -17.052 | -0.0067 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -18.010 | -0.0070 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -14.620 | -0.0057 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -11.144 | -0.0044 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -9.184 | -0.0036 | -2.5 to 2.5 | Pass |
| | 2605 | 50 | 0 | 20 | 3.27 | -15.335 | -0.0059 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -9.527 | -0.0037 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -14.105 | -0.0054 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | 2.589 | 0.0010 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -10.271 | -0.0039 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -8.812 | -0.0034 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -2.704 | -0.0010 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -3.920 | -0.0015 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -2.890 | -0.0011 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -7.267 | -0.0028 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -12.875 | -0.0049 | -2.5 to 2.5 | Pass |
| | 2650 | 50 | 0 | 20 | 3.27 | -6.909 | -0.0026 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -20.857 | -0.0079 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -6.852 | -0.0026 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | 3.662 | 0.0014 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -10.285 | -0.0039 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -5.665 | -0.0021 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -13.833 | -0.0052 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -18.110 | -0.0068 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -15.564 | -0.0059 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -17.681 | -0.0067 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -2.918 | -0.0011 | -2.5 to 2.5 | Pass |
| 16QAM | 2560 | 50 | 0 | 20 | 3.27 | -4.134 | -0.0016 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -6.852 | -0.0027 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -2.389 | -0.0009 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -14.234 | -0.0056 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -8.011 | -0.0031 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -15.035 | -0.0059 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -13.461 | -0.0053 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -7.653 | -0.0030 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | 0.687 | 0.0003 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | 1.688 | 0.0007 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -6.452 | -0.0025 | -2.5 to 2.5 | Pass |
| | 2605 | 50 | 0 | 20 | 3.27 | 2.961 | 0.0011 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -12.517 | -0.0048 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -13.962 | -0.0054 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -1.416 | -0.0005 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -17.667 | -0.0068 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -16.394 | -0.0063 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -6.967 | -0.0027 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -13.132 | -0.0050 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -4.263 | -0.0016 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -1.287 | -0.0005 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -5.121 | -0.0020 | -2.5 to 2.5 | Pass |
| | 2650 | 50 | 0 | 20 | 3.27 | -14.663 | -0.0055 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -12.817 | -0.0048 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -7.010 | -0.0026 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -9.756 | -0.0037 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -4.177 | -0.0016 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -5.908 | -0.0022 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -18.325 | -0.0069 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -11.601 | -0.0044 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -10.457 | -0.0039 | -2.5 to 2.5 | Pass |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | 40 | 3.85 | -13.547 | -0.0051 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -18.110 | -0.0068 | -2.5 to 2.5 | Pass |

### 2.1.3 B41_15MHz

| 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 | 2562.5 | 75 | 0 | 20 | 3.27 | -7.067 | -0.0028 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -0.801 | -0.0003 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -3.877 | -0.0015 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -9.842 | -0.0038 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -4.578 | -0.0018 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -0.014 | 0.0000 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -1.388 | -0.0005 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -7.195 | -0.0028 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -1.130 | -0.0004 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -7.038 | -0.0027 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -7.510 | -0.0029 | -2.5 to 2.5 | Pass |
| | 2605 | 75 | 0 | 20 | 3.27 | -6.752 | -0.0026 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -13.547 | -0.0052 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -7.424 | -0.0028 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -4.449 | -0.0017 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -17.209 | -0.0066 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -16.193 | -0.0062 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -8.869 | -0.0034 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -9.012 | -0.0035 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -5.708 | -0.0022 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -14.563 | -0.0056 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -5.579 | -0.0021 | -2.5 to 2.5 | Pass |
| | 2647.5 | 75 | 0 | 20 | 3.27 | -7.195 | -0.0027 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -14.834 | -0.0056 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -14.434 | -0.0055 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -14.763 | -0.0056 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -10.371 | -0.0039 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -5.536 | -0.0021 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -12.145 | -0.0046 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -18.682 | -0.0071 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -5.379 | -0.0020 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -8.683 | -0.0033 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -13.304 | -0.0050 | -2.5 to 2.5 | Pass |
| 16QAM | 2562.5 | 75 | 0 | 20 | 3.27 | -0.858 | -0.0003 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | 0.644 | 0.0003 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -9.756 | -0.0038 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -10.700 | -0.0042 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -16.222 | -0.0063 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -20.728 | -0.0081 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -0.958 | -0.0004 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -2.861 | -0.0011 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -13.118 | -0.0051 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -3.719 | -0.0015 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -4.263 | -0.0017 | -2.5 to 2.5 | Pass |
| | 2605 | 75 | 0 | 20 | 3.27 | -19.798 | -0.0076 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -4.535 | -0.0017 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -3.047 | -0.0012 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -12.660 | -0.0049 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -12.145 | -0.0047 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -12.660 | -0.0049 | -2.5 to 2.5 | Pass |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | 0 | 3.85 | -6.480 | -0.0025 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -8.097 | -0.0031 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -14.162 | -0.0054 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -14.620 | -0.0056 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -0.343 | -0.0001 | -2.5 to 2.5 | Pass |
| | 2647.5 | 75 | 0 | 20 | 3.27 | -5.522 | -0.0021 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -15.607 | -0.0059 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -4.292 | -0.0016 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -8.669 | -0.0033 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -10.071 | -0.0038 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -14.863 | -0.0056 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -13.919 | -0.0053 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -2.332 | -0.0009 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -5.608 | -0.0021 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -13.676 | -0.0052 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -13.247 | -0.0050 | -2.5 to 2.5 | Pass |

### 2.1.4 B41_20MHz

| 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 | 2565 | 100 | 0 | 20 | 3.27 | -14.062 | -0.0055 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -7.725 | -0.0030 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -14.648 | -0.0057 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -14.033 | -0.0055 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -6.638 | -0.0026 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -5.722 | -0.0022 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -10.228 | -0.0040 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -15.478 | -0.0060 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -11.802 | -0.0046 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -7.067 | -0.0028 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -15.421 | -0.0060 | -2.5 to 2.5 | Pass |
| | 2605 | 100 | 0 | 20 | 3.27 | -12.889 | -0.0049 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -12.617 | -0.0048 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -21.858 | -0.0084 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -1.574 | -0.0006 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -6.781 | -0.0026 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -14.391 | -0.0055 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -10.815 | -0.0042 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -5.965 | -0.0023 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -9.170 | -0.0035 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -9.899 | -0.0038 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -12.689 | -0.0049 | -2.5 to 2.5 | Pass |
| | 2645 | 100 | 0 | 20 | 3.27 | -19.655 | -0.0074 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -14.033 | -0.0053 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -9.141 | -0.0035 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -18.883 | -0.0071 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -8.554 | -0.0032 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -8.197 | -0.0031 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -13.933 | -0.0053 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -16.336 | -0.0062 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -9.971 | -0.0038 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -17.066 | -0.0065 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -21.100 | -0.0080 | -2.5 to 2.5 | Pass |
| 16QAM | 2565 | 100 | 0 | 20 | 3.27 | -9.627 | -0.0038 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -13.890 | -0.0054 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -10.300 | -0.0040 | -2.5 to 2.5 | Pass |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | -30 | 3.85 | -16.079 | -0.0063 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -14.377 | -0.0056 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -14.906 | -0.0058 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -16.093 | -0.0063 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -10.958 | -0.0043 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -5.522 | -0.0022 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -13.604 | -0.0053 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -23.546 | -0.0092 | -2.5 to 2.5 | Pass |
| | 2605 | 100 | 0 | 20 | 3.27 | -8.726 | -0.0033 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -7.367 | -0.0028 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -12.889 | -0.0049 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -9.284 | -0.0036 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -9.570 | -0.0037 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -7.739 | -0.0030 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -13.261 | -0.0051 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -2.875 | -0.0011 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -5.722 | -0.0022 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -10.786 | -0.0041 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -2.089 | -0.0008 | -2.5 to 2.5 | Pass |
| | 2645 | 100 | 0 | 20 | 3.27 | -16.866 | -0.0064 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -16.150 | -0.0061 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -12.074 | -0.0046 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -1.774 | -0.0007 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -3.262 | -0.0012 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -8.869 | -0.0034 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -15.478 | -0.0059 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -16.894 | -0.0064 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -7.296 | -0.0028 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -17.037 | -0.0064 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -13.504 | -0.0051 | -2.5 to 2.5 | Pass |

# 3. Modulation Characteristics

## 3.1 Test Result

### 3.1.1 B41_5MHz

| Band: 41 / Bandwidth: 5MHz / NTNV | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Modulation Characteristics | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 2605 | 25 | 0 | Refer To Test Graph | | Pass |
| 16QAM | 2605 | 25 | 0 | Refer To Test Graph | | Pass |

### 3.1.2 B41_10MHz

| Band: 41 / Bandwidth: 10MHz / NTNV | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Modulation Characteristics | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 2605 | 50 | 0 | Refer To Test Graph | | Pass |
| 16QAM | 2605 | 50 | 0 | Refer To Test Graph | | Pass |

### 3.1.3 B41_15MHz

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

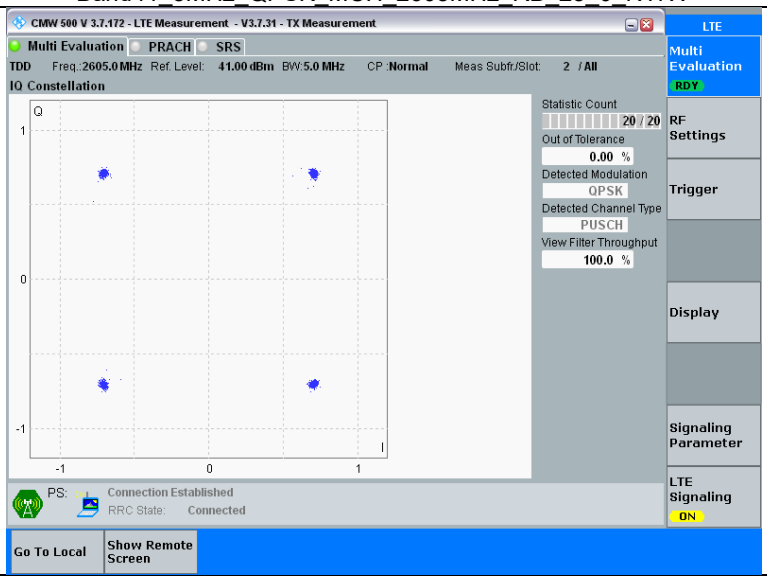
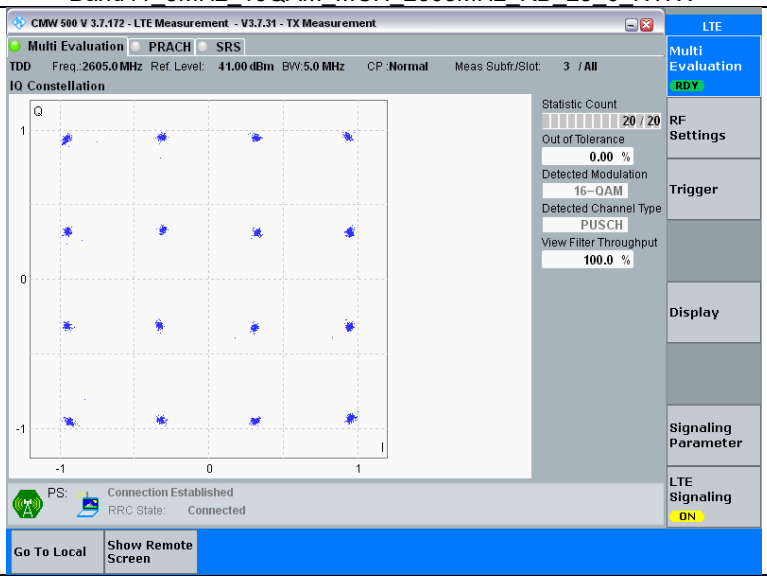
| Modulation | Frequency (MHz) | RB Allocation | | Modulation Characteristics | | Verdict |
|---|---|---|---|---|---|---|
| | | Size | Offset | Result | Limit | |
| QPSK | 2605 | 75 | 0 | Refer To Test Graph | | Pass |
| 16QAM | 2605 | 75 | 0 | Refer To Test Graph | | Pass |

### 3.1.4 B41_20MHz

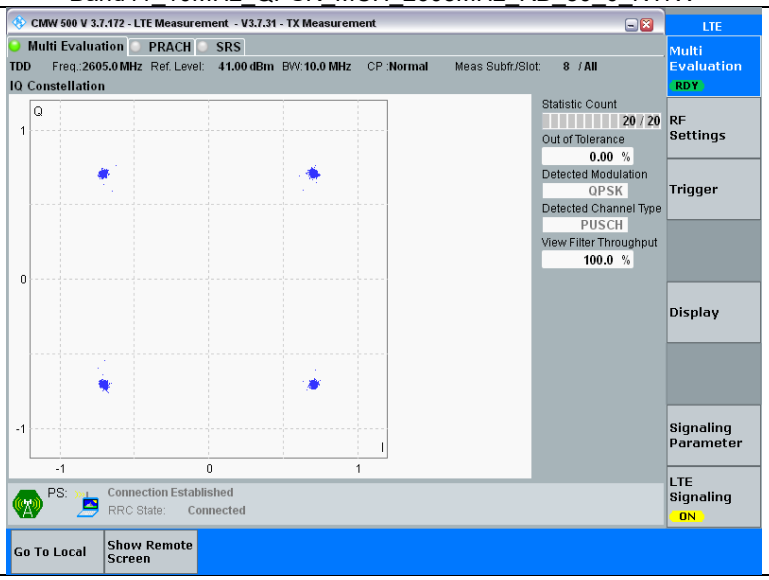
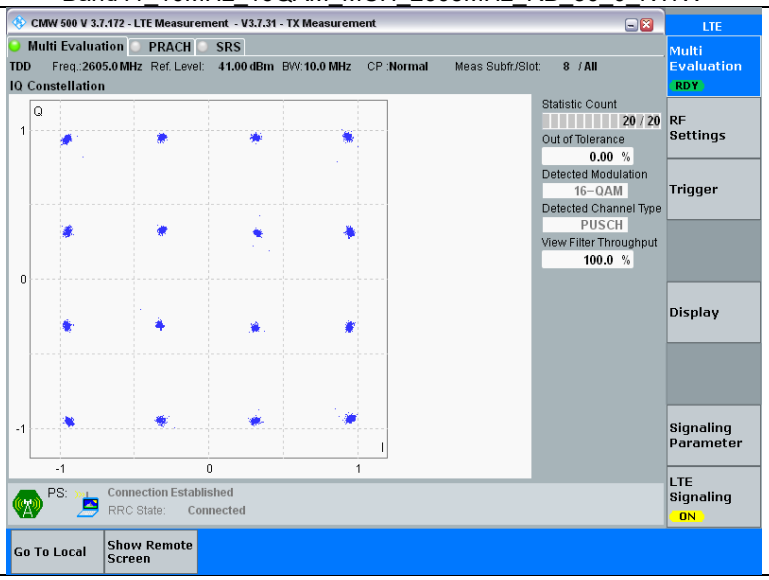
| Band: 41 / Bandwidth: 20MHz / NTNV | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Modulation Characteristics | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 2605 | 100 | 0 | Refer To Test Graph | | Pass |
| 16QAM | 2605 | 100 | 0 | Refer To Test Graph | | Pass |

## 3.2 Test Graph

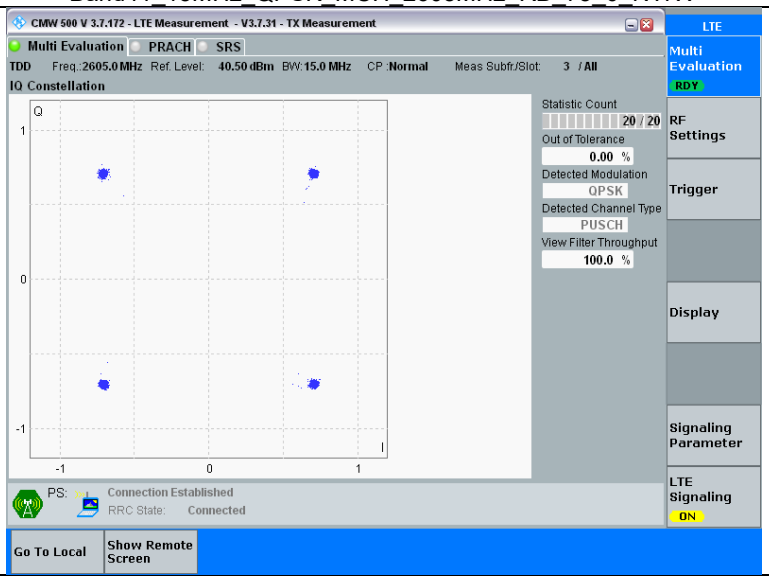
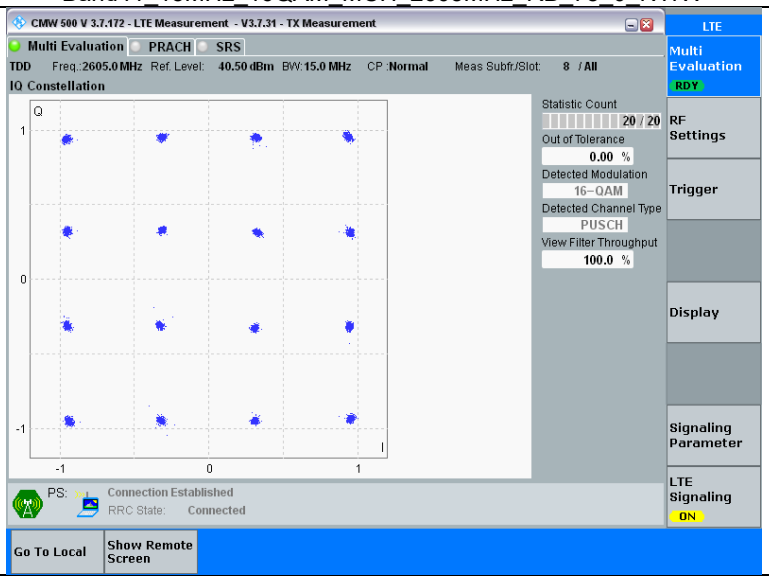
### 3.2.1 B41_5MHz

| Band41_5MHz_QPSK_MCH_2605MHz_RB_25_0_NTNV |
| --- |
|  |
| Band41_5MHz_16QAM_MCH_2605MHz_RB_25_0_NTNV |
|  |

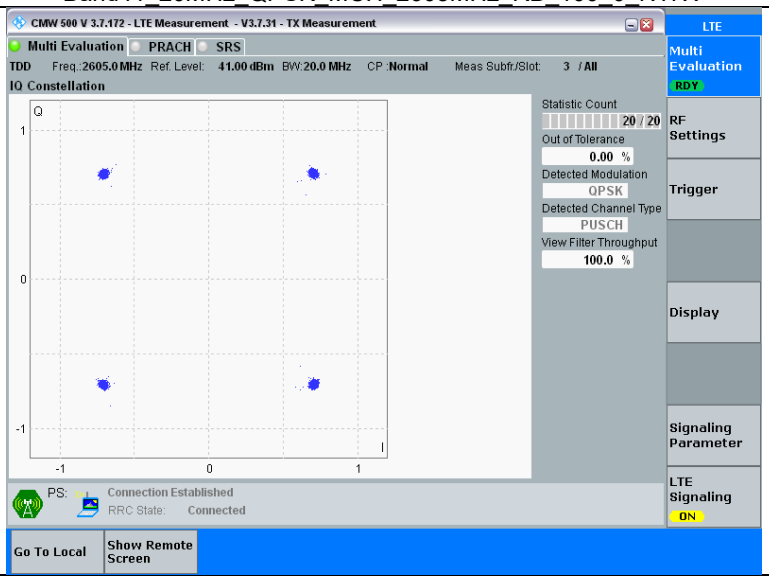
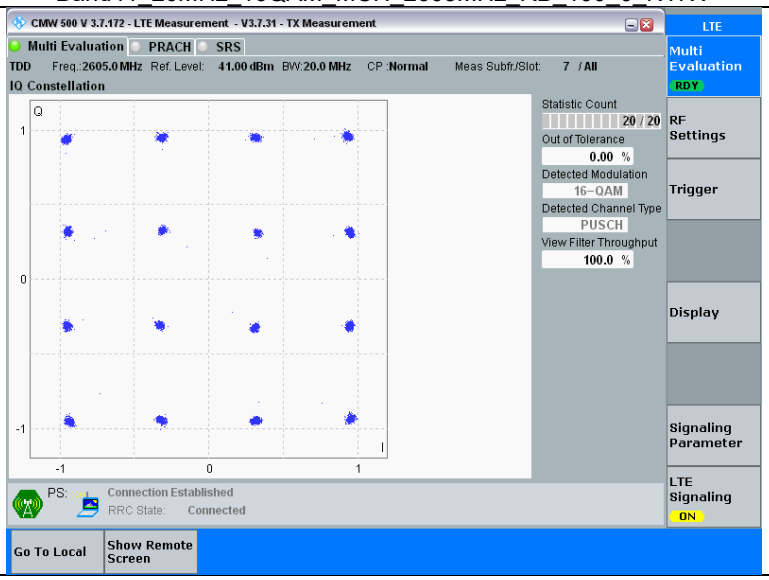
### 3.2.2 B41_10MHz

| Band41_10MHz_QPSK_MCH_2605MHz_RB_50_0_NTNV |
| --- |
|  |
| Band41_10MHz_16QAM_MCH_2605MHz_RB_50_0_NTNV |
|  |

### 3.2.3 B41_15MHz

| Band41_15MHz_QPSK_MCH_2605MHz_RB_75_0_NTNV |
| --- |
|  |
| Band41_15MHz_16QAM_MCH_2605MHz_RB_75_0_NTNV |
|  |

### 3.2.4 B41_20MHz

| Band41_20MHz_QPSK_MCH_2605MHz_RB_100_0_NTNV |
| --- |
|  |
| Band41_20MHz_16QAM_MCH_2605MHz_RB_100_0_NTNV |
|  |

# 4. 99% & 26dB Bandwidth

## 4.1 Test Result

### 4.1.1 Band41_OBW

| Band: 41 / NTNV | | | | | | | |
|---|---|---|---|---|---|---|---|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation | | 99% Occupied Bandwidth (MHz) | | Verdict |
| | | | Size | Offset | Result | Limit | |
| 5 | QPSK | 2557.5 | 25 | 0 | 4.547 | / | Pass |
| | | 2605 | 25 | 0 | 4.539 | / | Pass |
| | | 2652.5 | 25 | 0 | 4.553 | / | Pass |
| | 16QAM | 2557.5 | 25 | 0 | 4.539 | / | Pass |
| | | 2605 | 25 | 0 | 4.553 | / | Pass |
| | | 2652.5 | 25 | 0 | 4.544 | / | Pass |
| 10 | QPSK | 2560 | 50 | 0 | 9.039 | / | Pass |
| | | 2605 | 50 | 0 | 9.065 | / | Pass |
| | | 2650 | 50 | 0 | 9.060 | / | Pass |
| | 16QAM | 2560 | 50 | 0 | 9.056 | / | Pass |
| | | 2605 | 50 | 0 | 9.083 | / | Pass |
| | | 2650 | 50 | 0 | 9.075 | / | Pass |
| 15 | QPSK | 2562.5 | 75 | 0 | 13.593 | / | Pass |
| | | 2605 | 75 | 0 | 13.570 | / | Pass |
| | | 2647.5 | 75 | 0 | 13.595 | / | Pass |
| | 16QAM | 2562.5 | 75 | 0 | 13.553 | / | Pass |
| | | 2605 | 75 | 0 | 13.639 | / | Pass |
| | | 2647.5 | 75 | 0 | 13.589 | / | Pass |
| 20 | QPSK | 2565 | 100 | 0 | 18.035 | / | Pass |
| | | 2605 | 100 | 0 | 18.105 | / | Pass |
| | | 2645 | 100 | 0 | 18.109 | / | Pass |
| | 16QAM | 2565 | 100 | 0 | 18.084 | / | Pass |
| | | 2605 | 100 | 0 | 18.086 | / | Pass |
| | | 2645 | 100 | 0 | 18.114 | / | Pass |

### 4.1.2 Band41_XDB

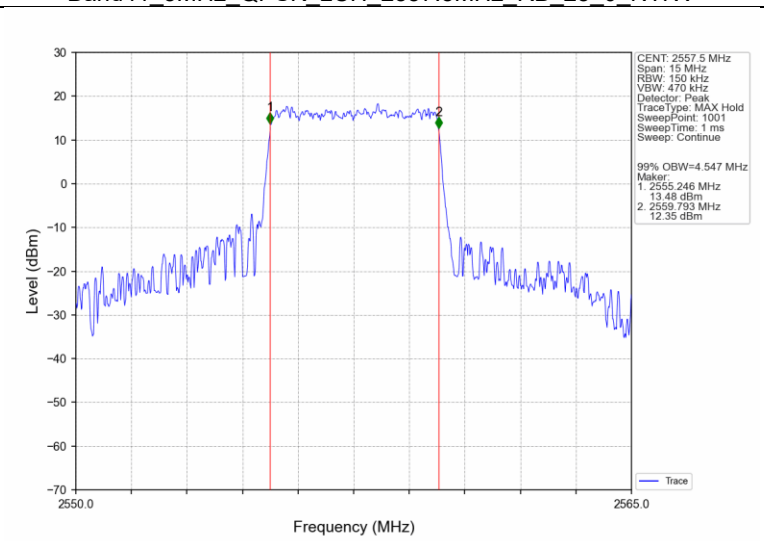
| Band: 41 / NTNV | | | | | | | |
|---|---|---|---|---|---|---|---|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation | | 26dB Bandwidth (MHz) | | Verdict |
| | | | Size | Offset | Result | Limit | |
| 5 | QPSK | 2557.5 | 25 | 0 | 5.284 | / | Pass |
| | | 2605 | 25 | 0 | 5.154 | / | Pass |
| | | 2652.5 | 25 | 0 | 5.284 | / | Pass |
| | 16QAM | 2557.5 | 25 | 0 | 5.167 | / | Pass |
| | | 2605 | 25 | 0 | 5.023 | / | Pass |
| | | 2652.5 | 25 | 0 | 5.032 | / | Pass |
| 10 | QPSK | 2560 | 50 | 0 | 9.899 | / | Pass |
| | | 2605 | 50 | 0 | 9.901 | / | Pass |
| | | 2650 | 50 | 0 | 10.626 | / | Pass |
| | 16QAM | 2560 | 50 | 0 | 9.950 | / | Pass |
| | | 2605 | 50 | 0 | 10.316 | / | Pass |
| | | 2650 | 50 | 0 | 11.471 | / | Pass |
| 15 | QPSK | 2562.5 | 75 | 0 | 15.100 | / | Pass |
| | | 2605 | 75 | 0 | 16.045 | / | Pass |
| | | 2647.5 | 75 | 0 | 16.241 | / | Pass |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | 16QAM | 2562.5 | 75 | 0 | 15.210 | / | Pass |
| | | 2605 | 75 | 0 | 17.963 | / | Pass |
| | | 2647.5 | 75 | 0 | 18.190 | / | Pass |
| 20 | QPSK | 2565 | 100 | 0 | 21.780 | / | Pass |
| | | 2605 | 100 | 0 | 20.698 | / | Pass |
| | | 2645 | 100 | 0 | 21.881 | / | Pass |
| | 16QAM | 2565 | 100 | 0 | 20.420 | / | Pass |
| | | 2605 | 100 | 0 | 19.696 | / | Pass |
| | | 2645 | 100 | 0 | 19.745 | / | Pass |

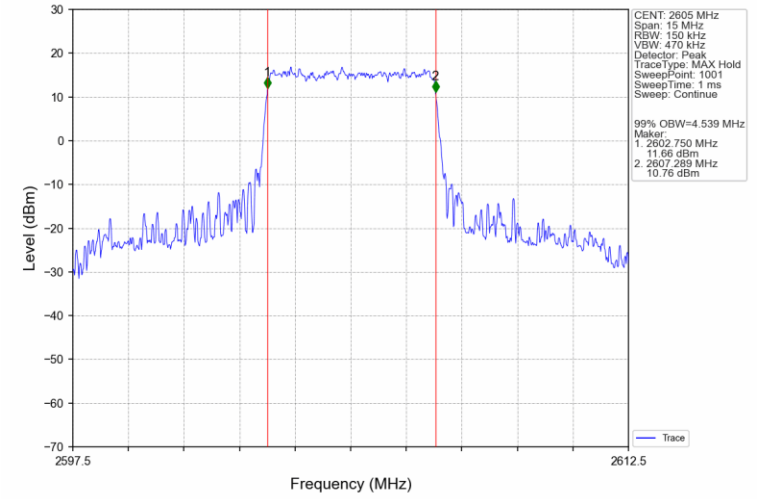
## 4.2 Test Graph

### 4.2.1 Band41_OBW

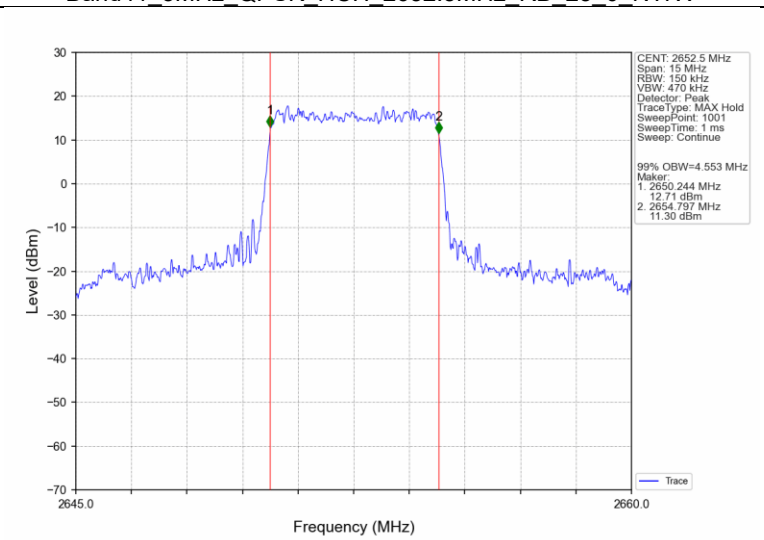
Band41_5MHz_QPSK_LCH_2557.5MHz_RB_25_0_NTNV



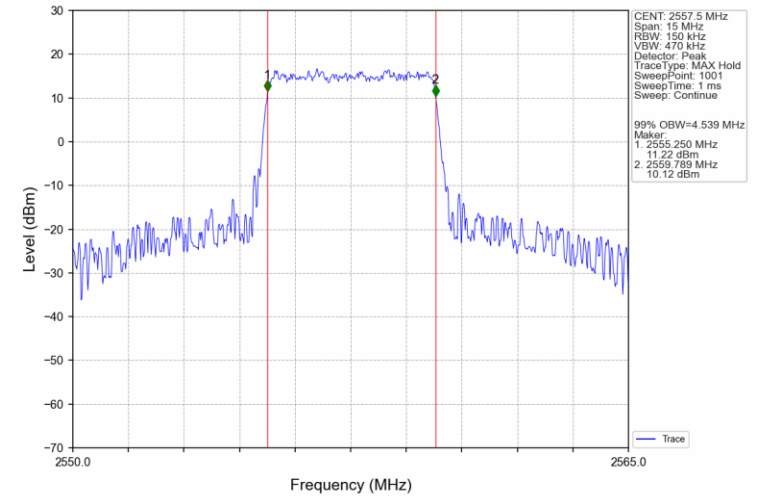

Band41_5MHz_QPSK_MCH_2605MHz_RB_25_0_NTNV



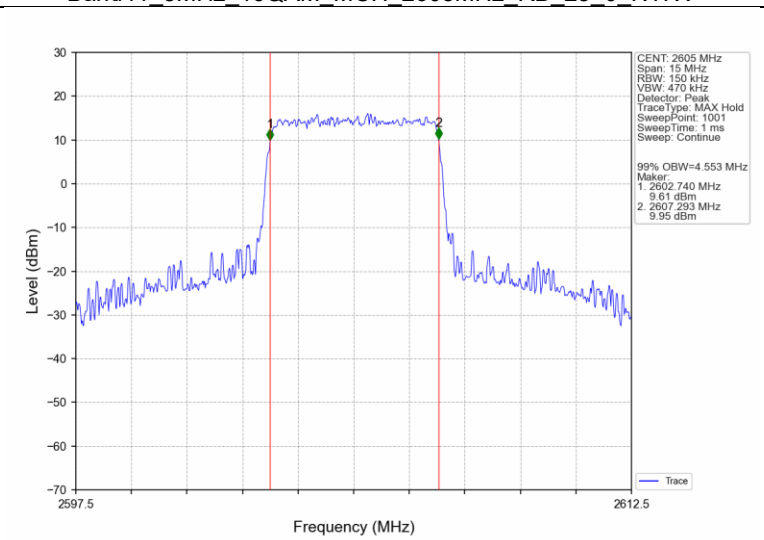
Band41_5MHz_QPSK_HCH_2652.5MHz_RB_25_0_NTNV



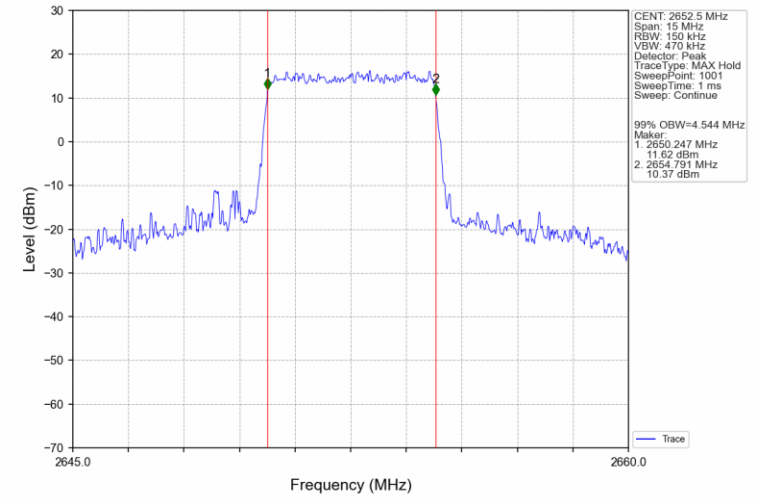

Band41_5MHz_16QAM_LCH_2557.5MHz_RB_25_0_NTNV



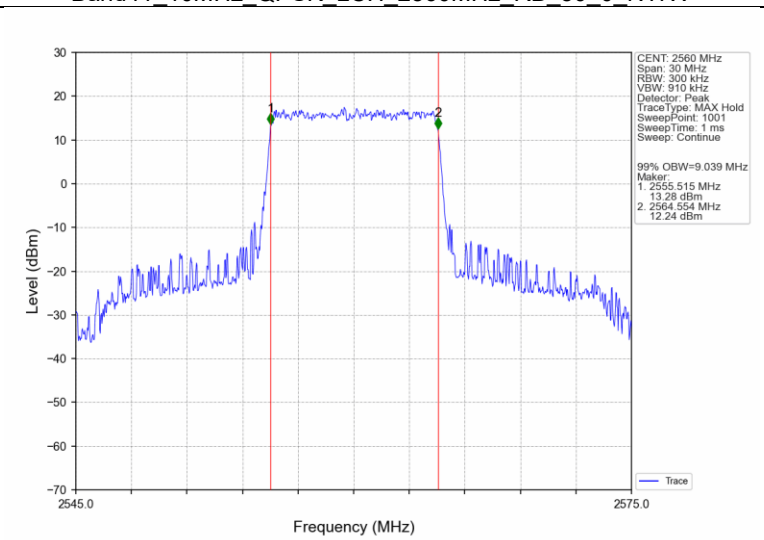
Band41_5MHz_16QAM_MCH_2605MHz_RB_25_0_NTNV



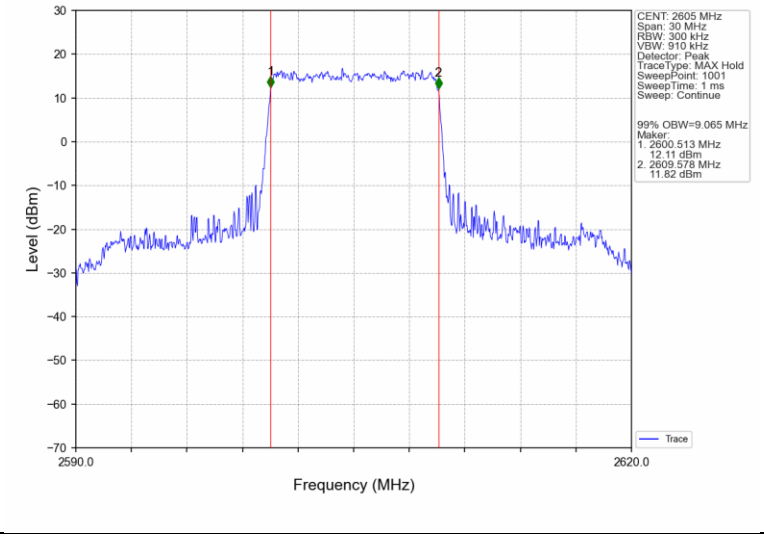

Band41_5MHz_16QAM_HCH_2652.5MHz_RB_25_0_NTNV



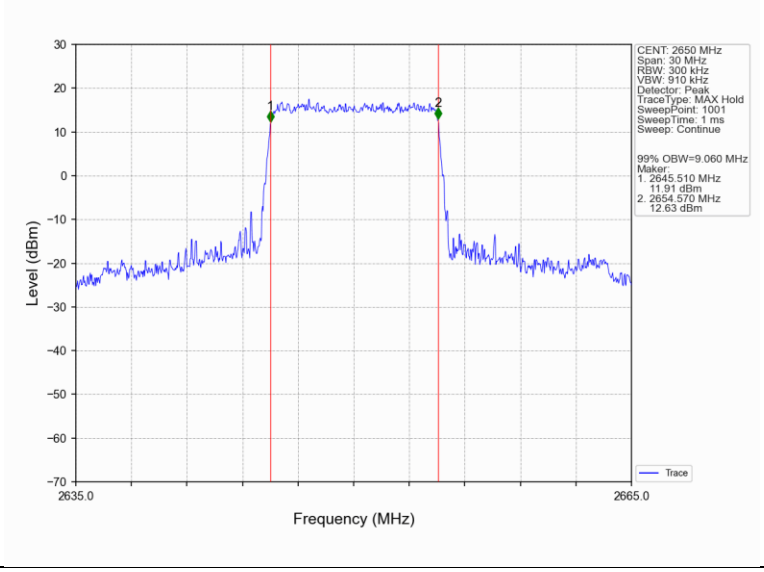
Band41_10MHz_QPSK_LCH_2560MHz_RB_50_0_NTNV



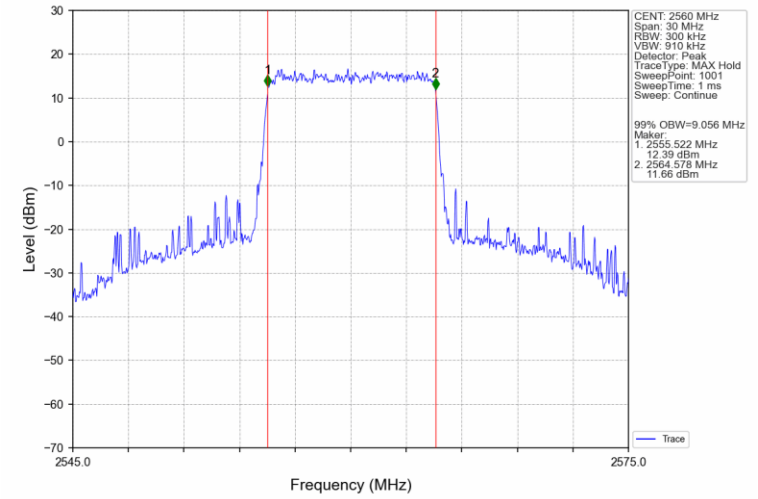

Band41_10MHz_QPSK_MCH_2605MHz_RB_50_0_NTNV



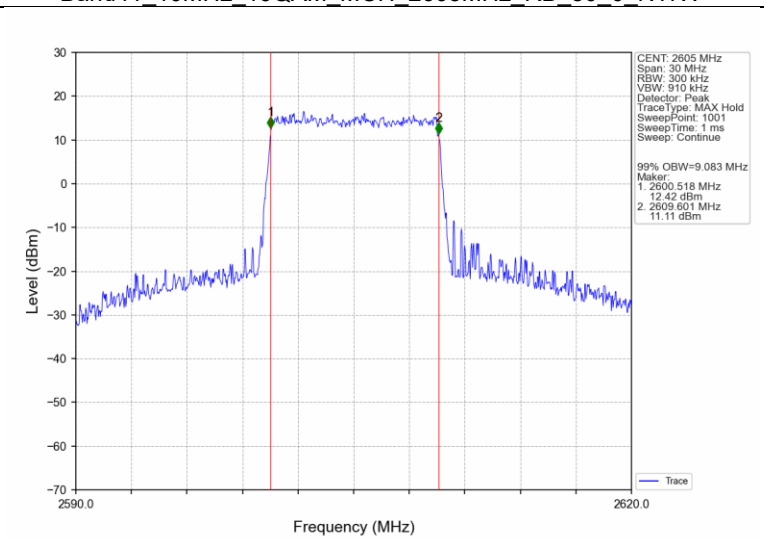
Band41_10MHz_QPSK_HCH_2650MHz_RB_50_0_NTNV



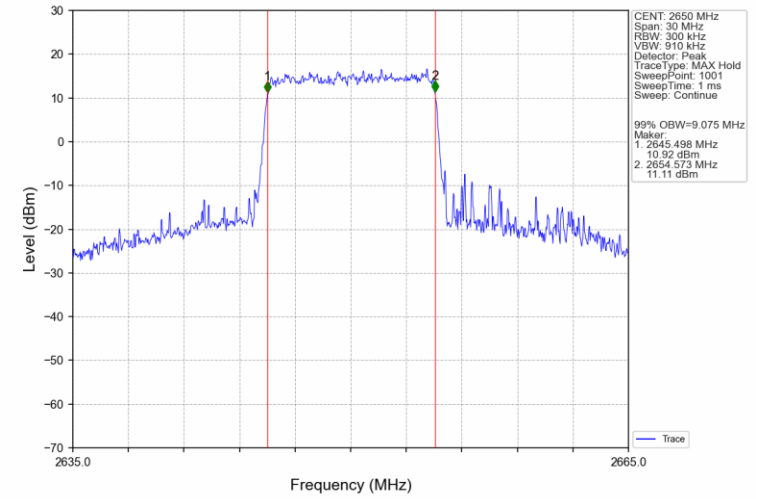

Band41_10MHz_16QAM_LCH_2560MHz_RB_50_0_NTNV



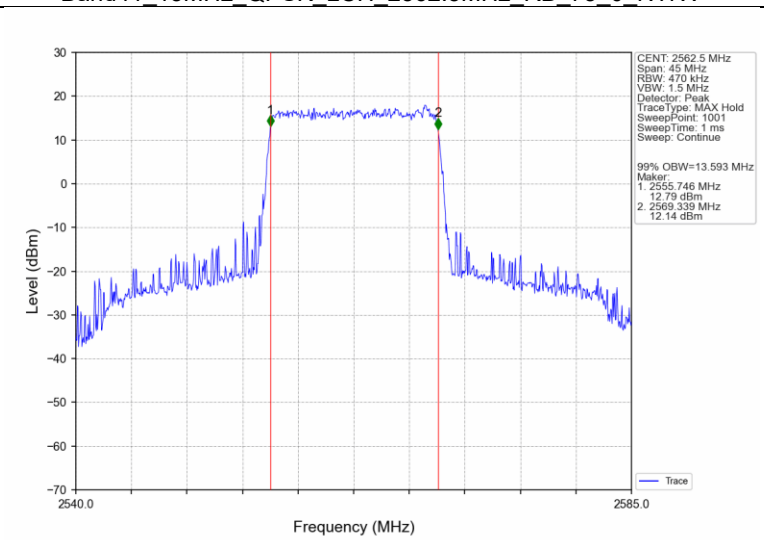
Band41_10MHz_16QAM_MCH_2605MHz_RB_50_0_NTNV



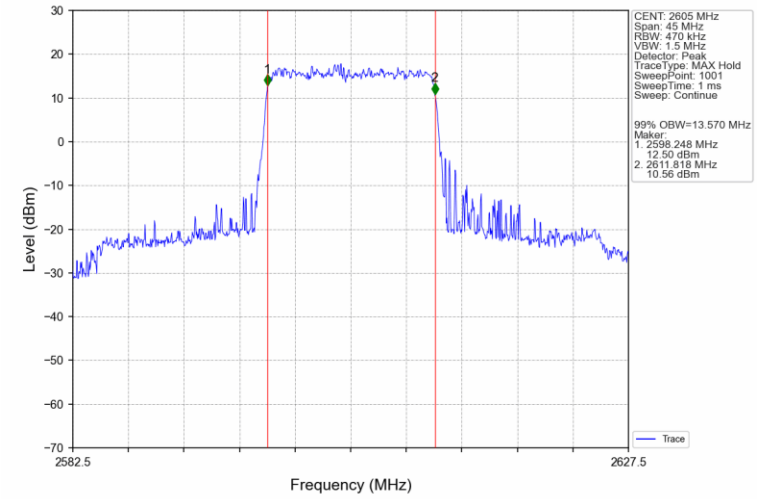

Band41_10MHz_16QAM_HCH_2650MHz_RB_50_0_NTNV



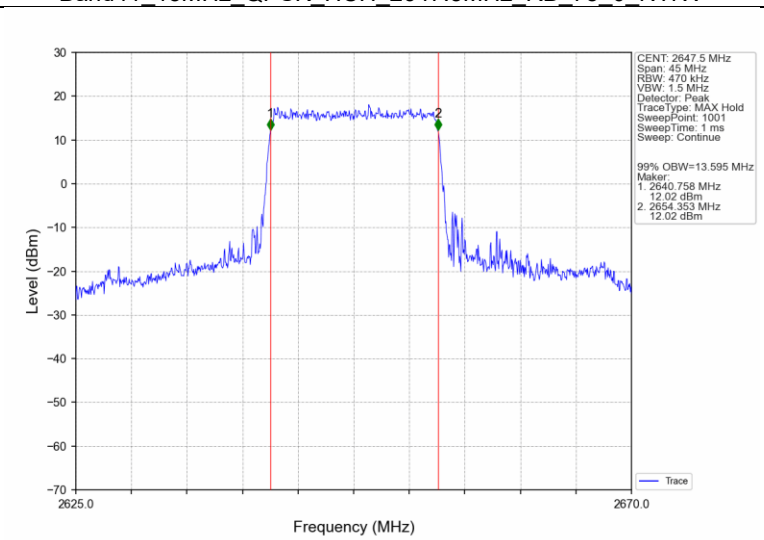
Band41_15MHz_QPSK_LCH_2562.5MHz_RB_75_0_NTNV



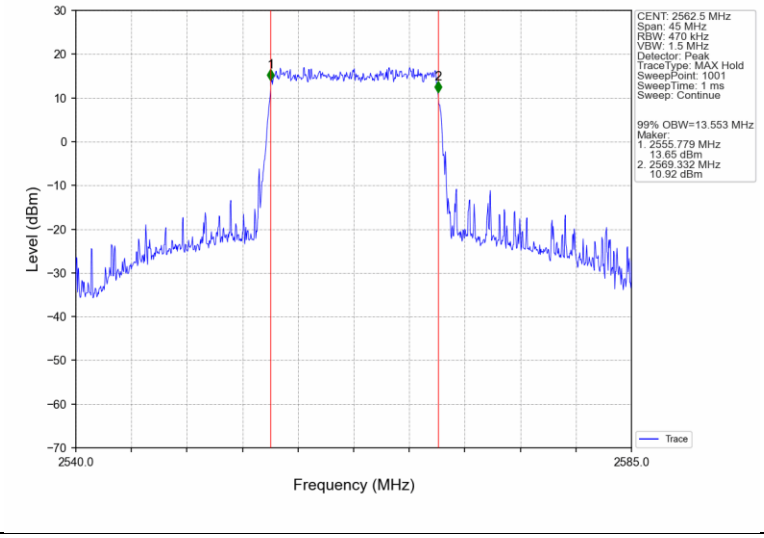

Band41_15MHz_QPSK_MCH_2605MHz_RB_75_0_NTNV



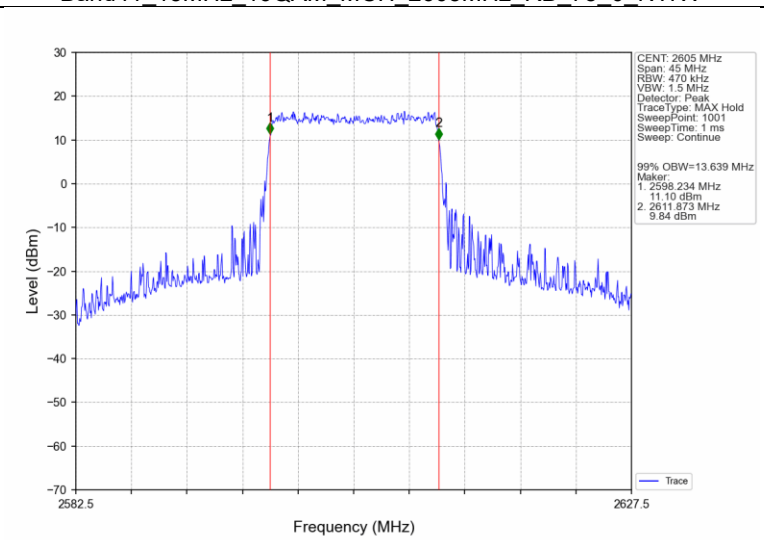
Band41_15MHz_QPSK_HCH_2647.5MHz_RB_75_0_NTNV



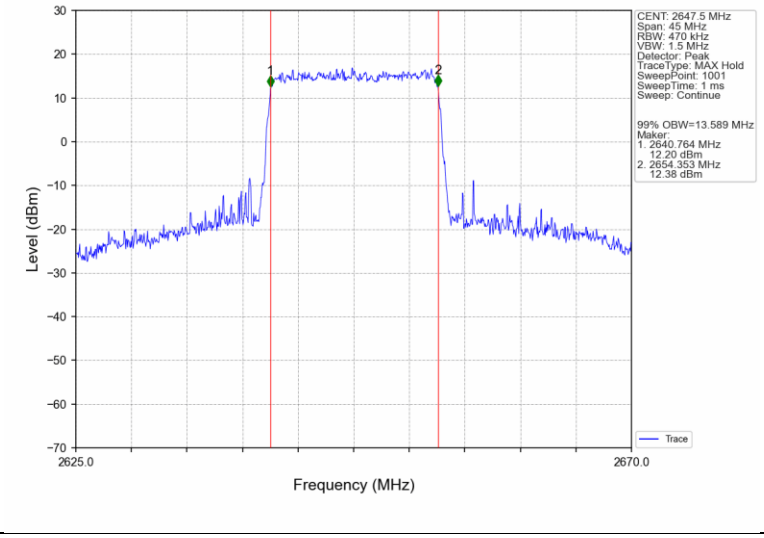

Band41_15MHz_16QAM_LCH_2562.5MHz_RB_75_0_NTNV



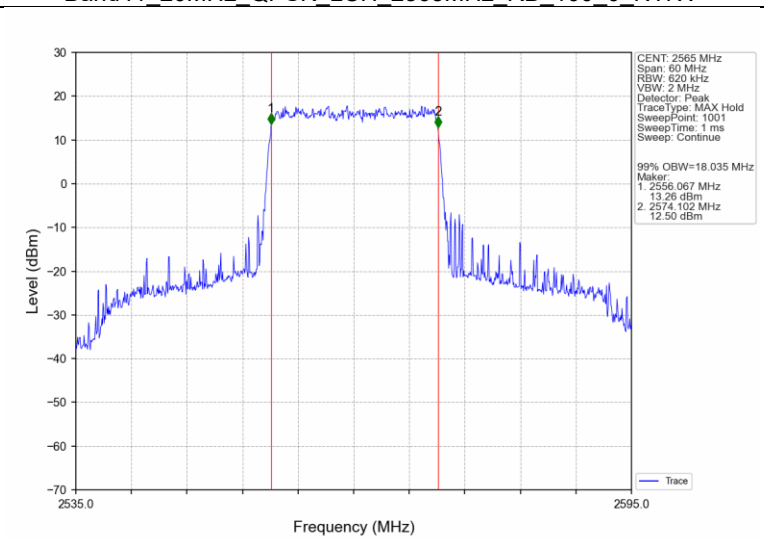
Band41_15MHz_16QAM_MCH_2605MHz_RB_75_0_NTNV



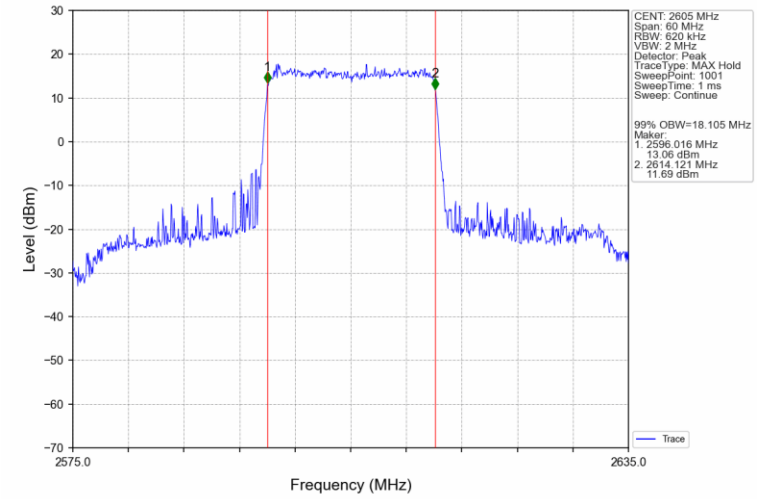

Band41_15MHz_16QAM_HCH_2647.5MHz_RB_75_0_NTNV



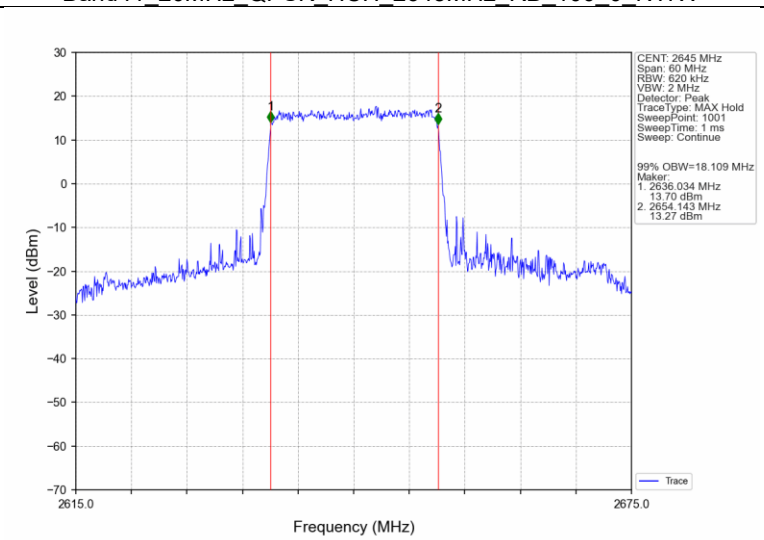
Band41_20MHz_QPSK_LCH_2565MHz_RB_100_0_NTNV



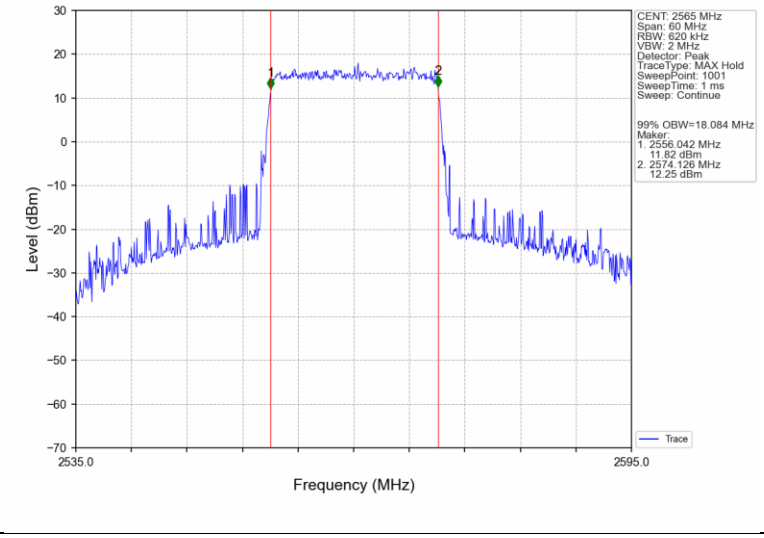

Band41_20MHz_QPSK_MCH_2605MHz_RB_100_0_NTNV



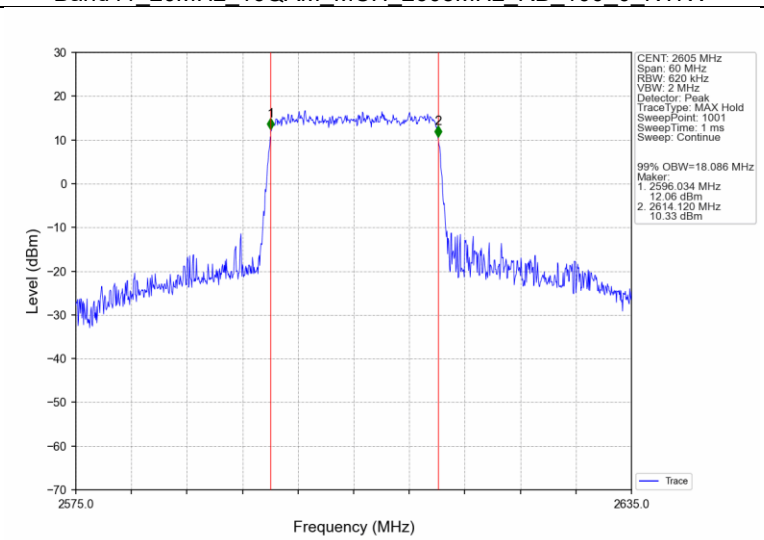
Band41_20MHz_QPSK_HCH_2645MHz_RB_100_0_NTNV



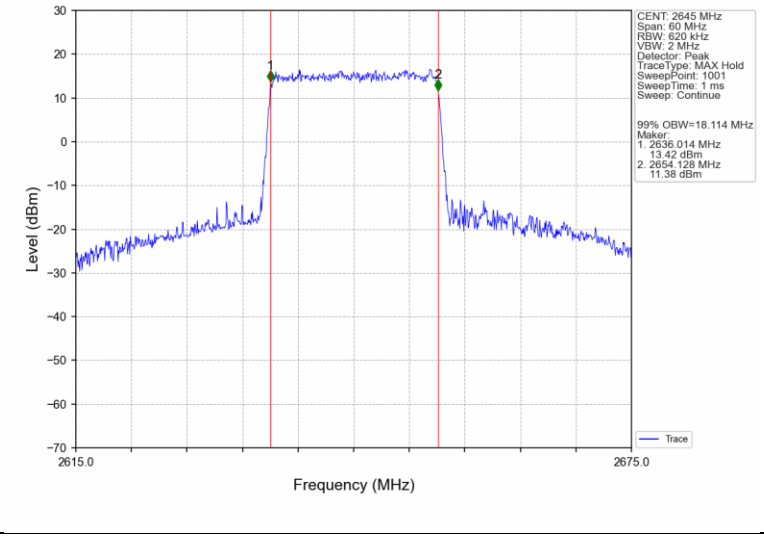

Band41_20MHz_16QAM_LCH_2565MHz_RB_100_0_NTNV



Band41_20MHz_16QAM_MCH_2605MHz_RB_100_0_NTNV

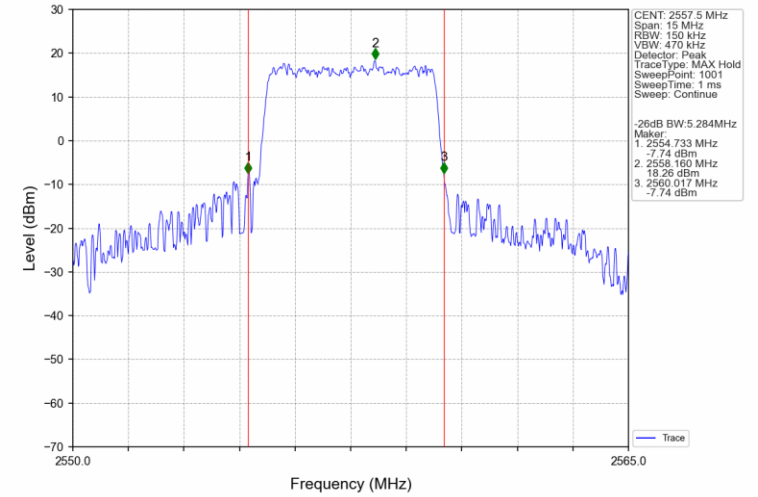



Band41_20MHz_16QAM_HCH_2645MHz_RB_100_0_NTNV

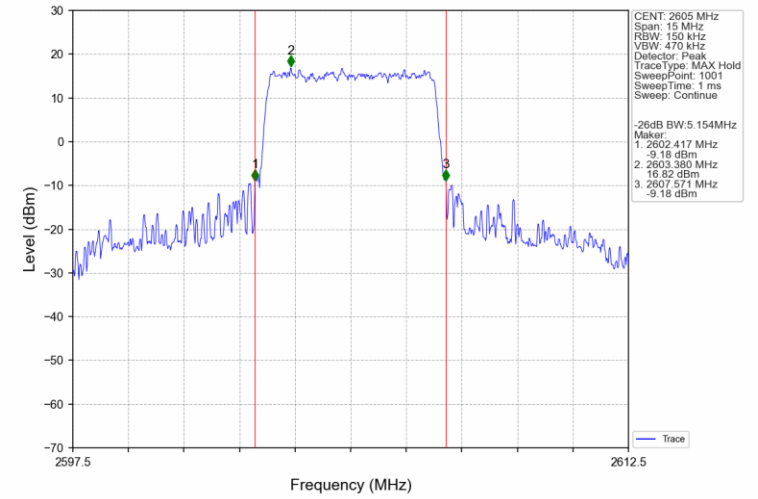


## 4.2.2 Band41_XDB

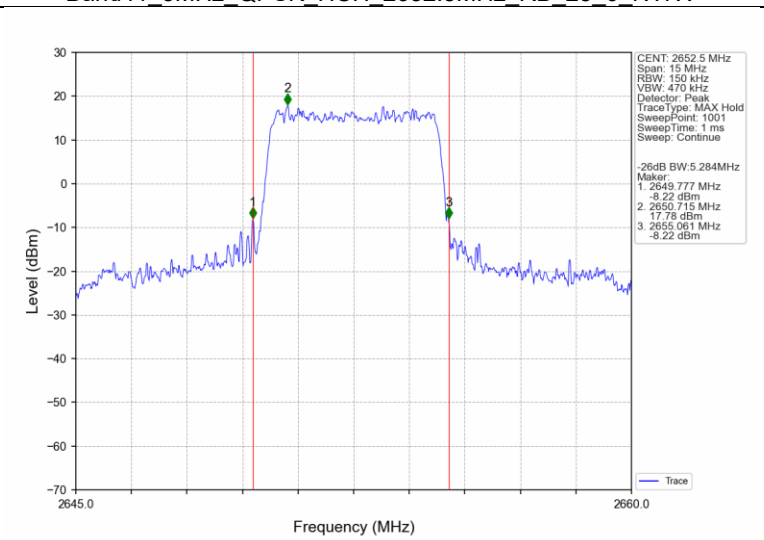
Band41_5MHz_QPSK_LCH_2557.5MHz_RB_25_0_NTNV



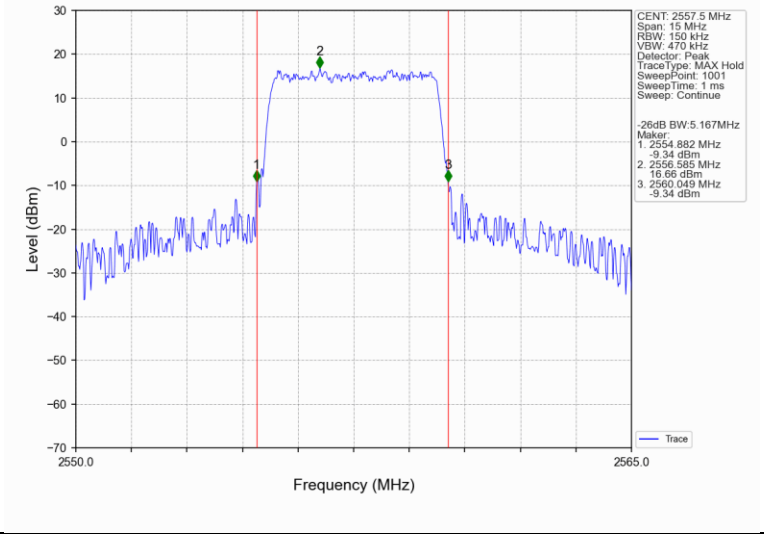

Band41_5MHz_QPSK_MCH_2605MHz_RB_25_0_NTNV



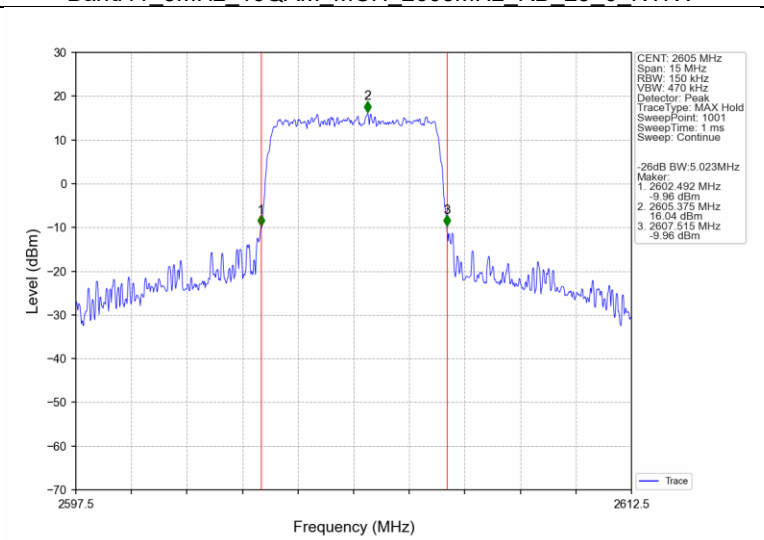
Band41_5MHz_QPSK_HCH_2652.5MHz_RB_25_0_NTNV



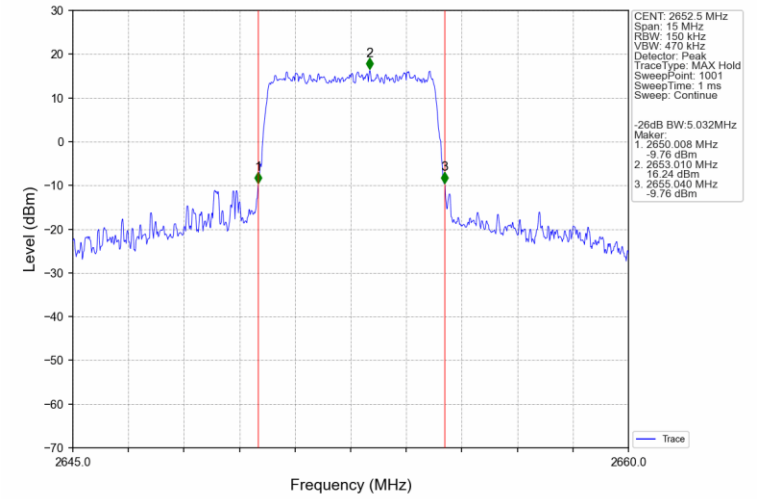

Band41_5MHz_16QAM_LCH_2557.5MHz_RB_25_0_NTNV



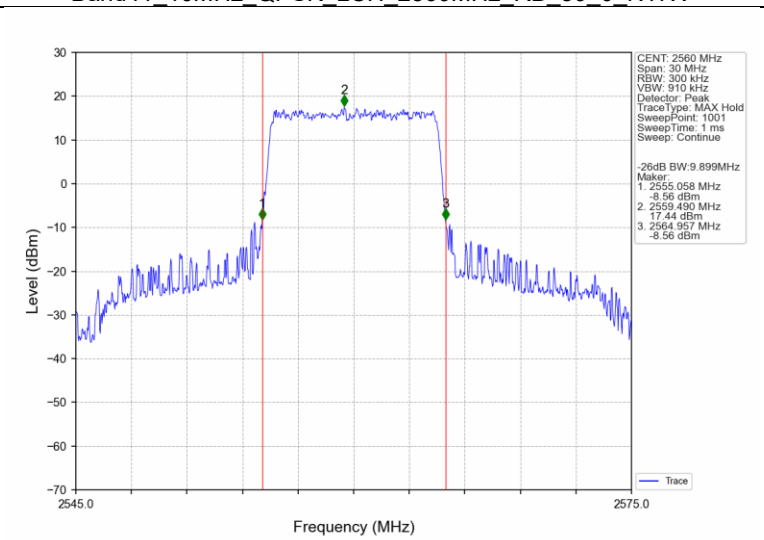
Band41_5MHz_16QAM_MCH_2605MHz_RB_25_0_NTNV



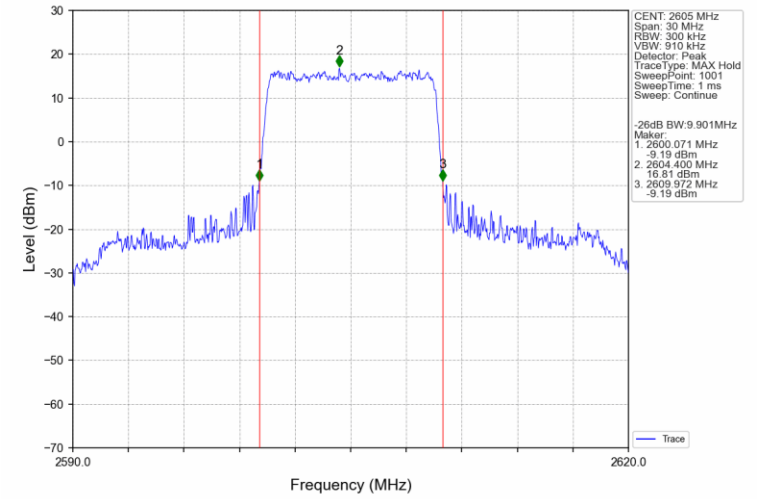

Band41_5MHz_16QAM_HCH_2652.5MHz_RB_25_0_NTNV



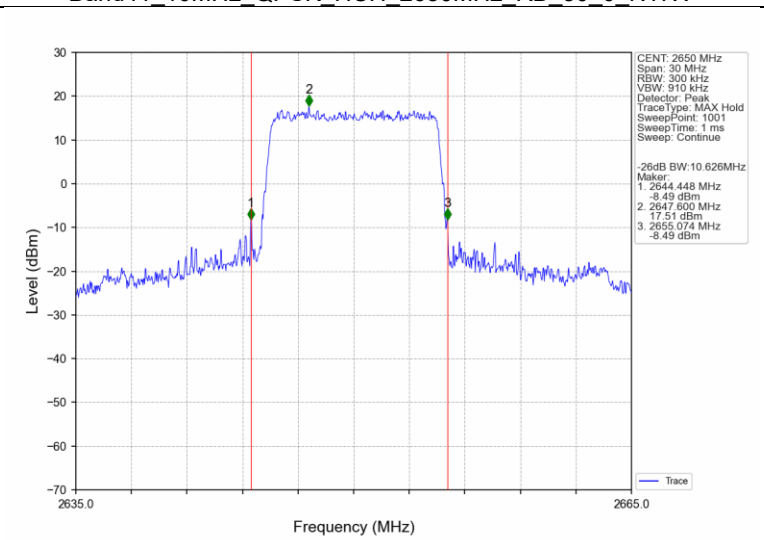
Band41_10MHz_QPSK_LCH_2560MHz_RB_50_0_NTNV



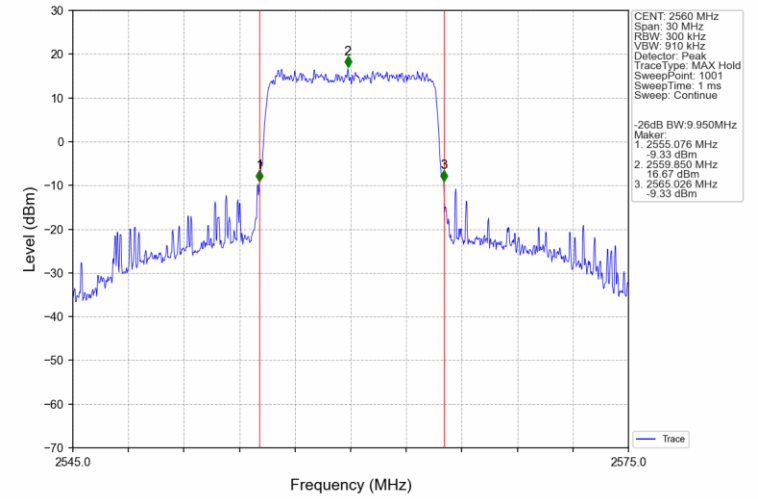

Band41_10MHz_QPSK_MCH_2605MHz_RB_50_0_NTNV



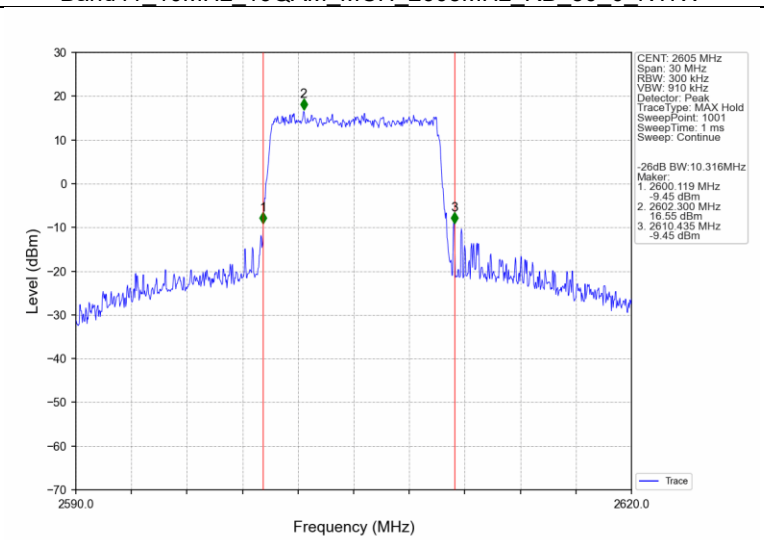
Band41_10MHz_QPSK_HCH_2650MHz_RB_50_0_NTNV



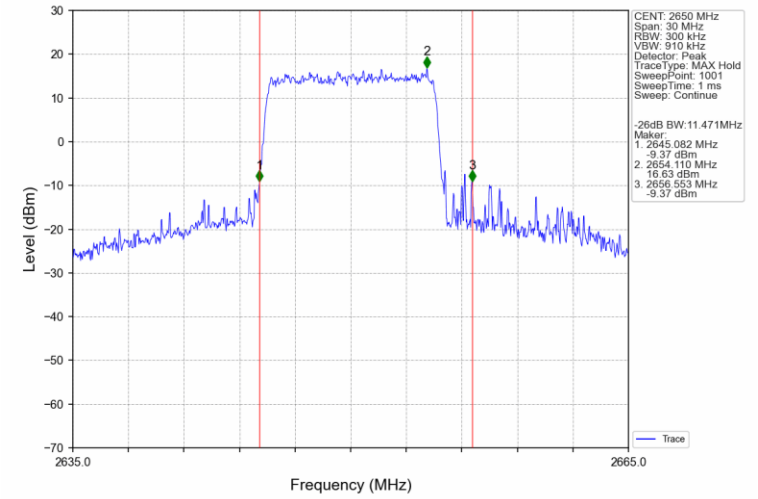

Band41_10MHz_16QAM_LCH_2560MHz_RB_50_0_NTNV



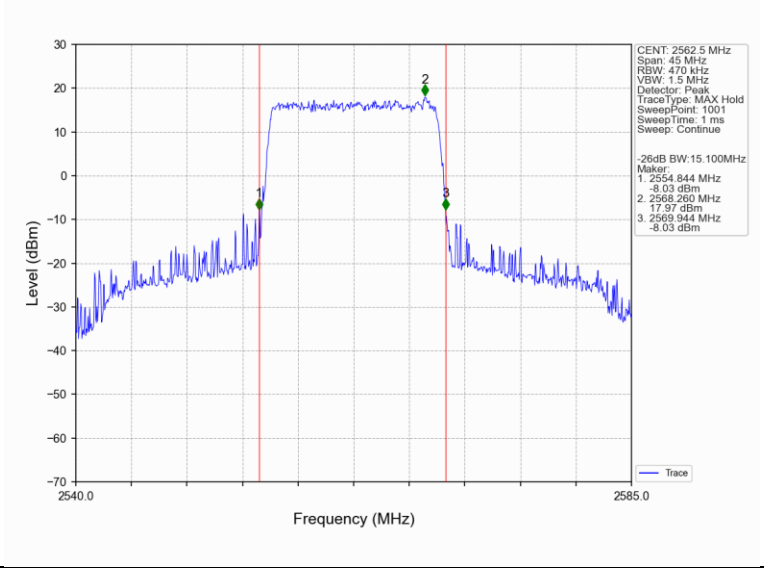
Band41_10MHz_16QAM_MCH_2605MHz_RB_50_0_NTNV



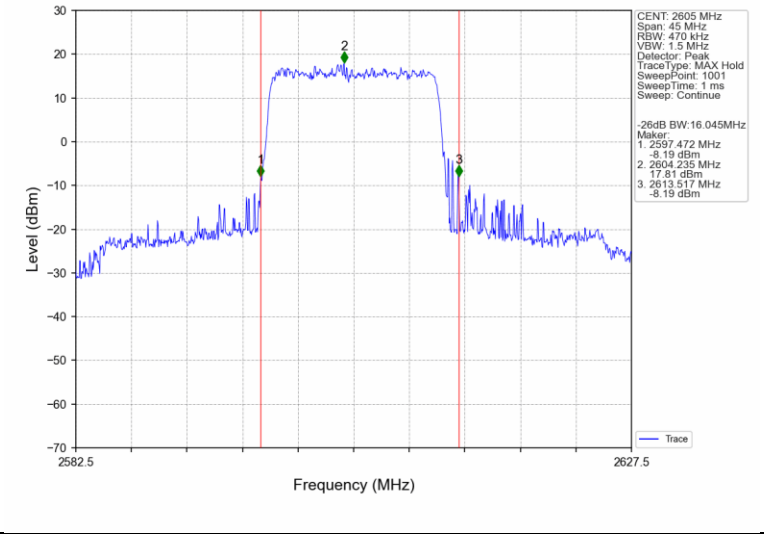

Band41_10MHz_16QAM_HCH_2650MHz_RB_50_0_NTNV



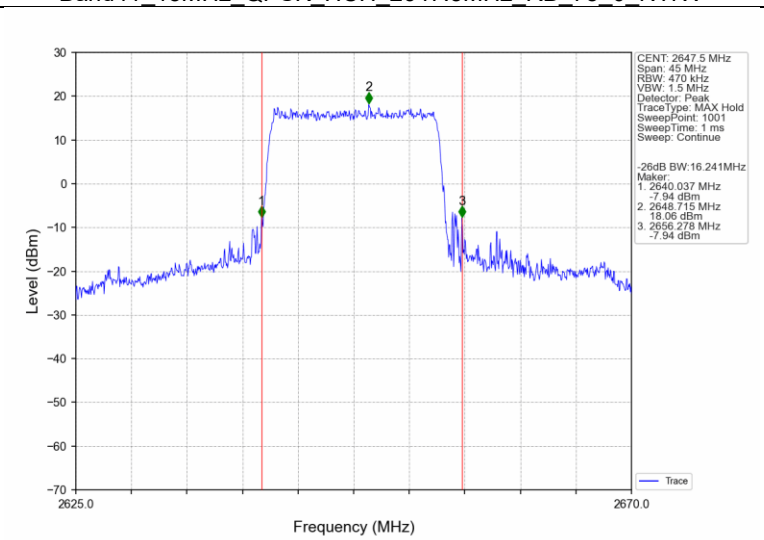
Band41_15MHz_QPSK_LCH_2562.5MHz_RB_75_0_NTNV



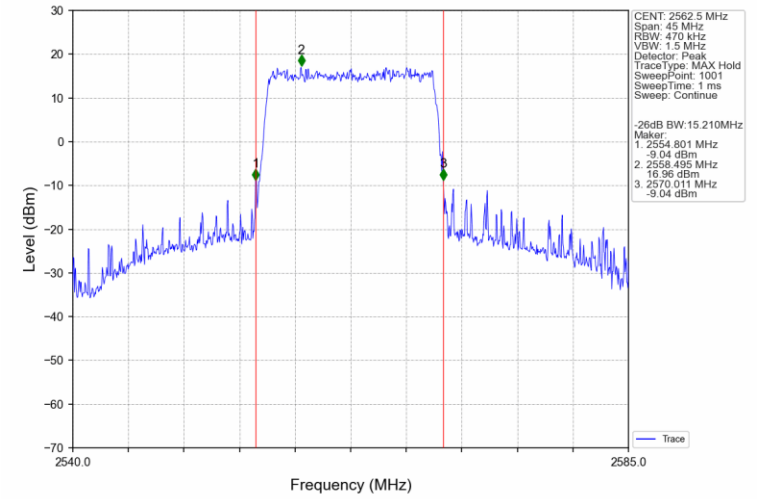

Band41_15MHz_QPSK_MCH_2605MHz_RB_75_0_NTNV



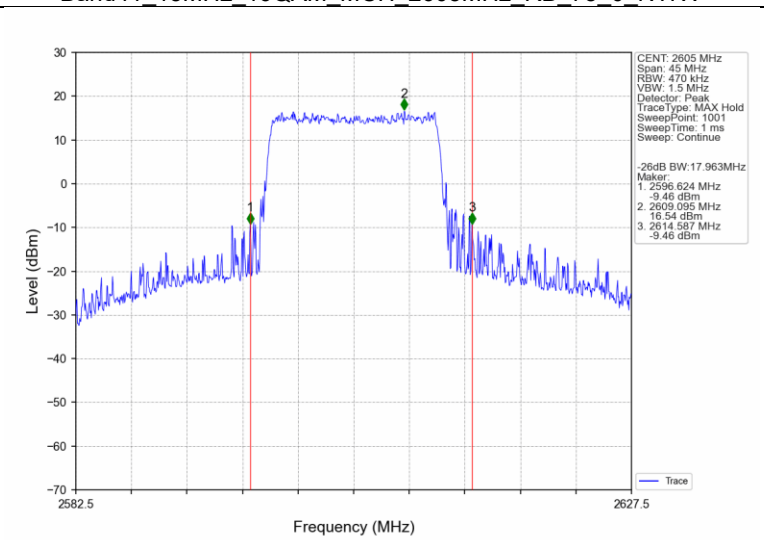
Band41_15MHz_QPSK_HCH_2647.5MHz_RB_75_0_NTNV



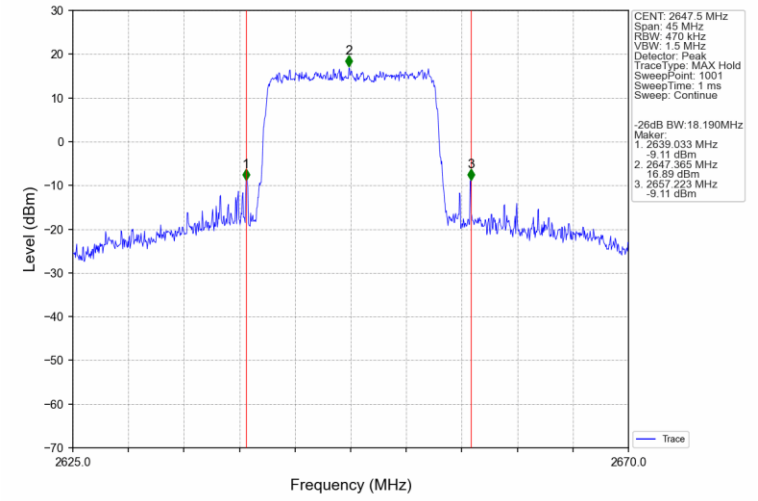

Band41_15MHz_16QAM_LCH_2562.5MHz_RB_75_0_NTNV



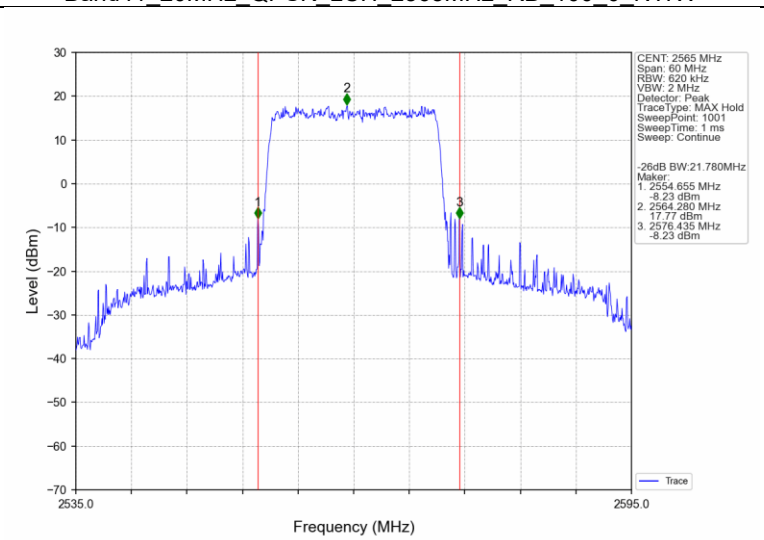
Band41_15MHz_16QAM_MCH_2605MHz_RB_75_0_NTNV



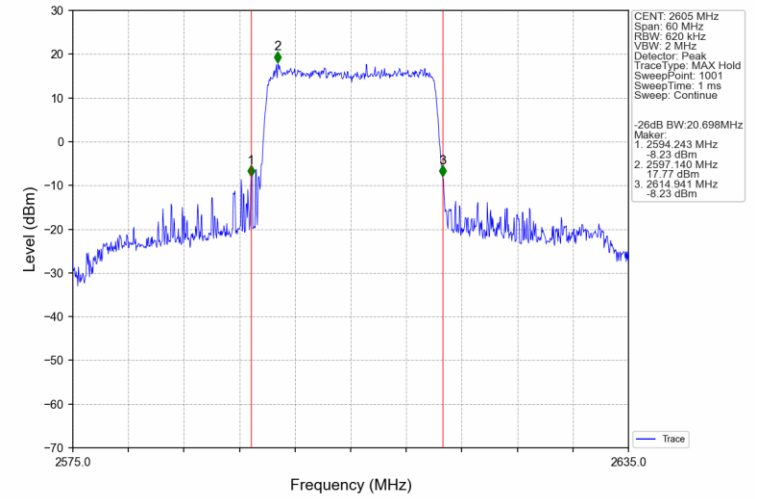

Band41_15MHz_16QAM_HCH_2647.5MHz_RB_75_0_NTNV



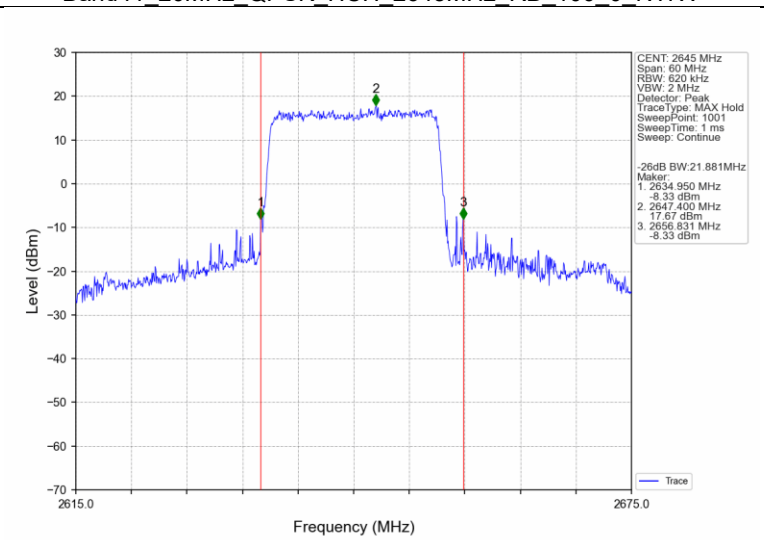
Band41_20MHz_QPSK_LCH_2565MHz_RB_100_0_NTNV



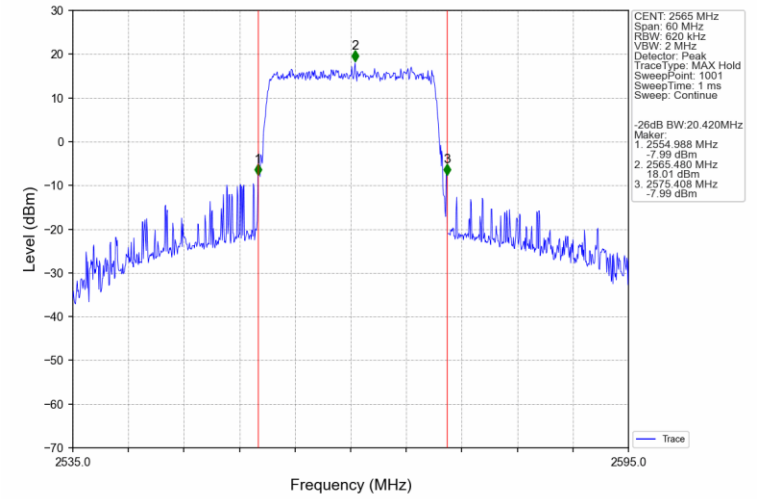

Band41_20MHz_QPSK_MCH_2605MHz_RB_100_0_NTNV



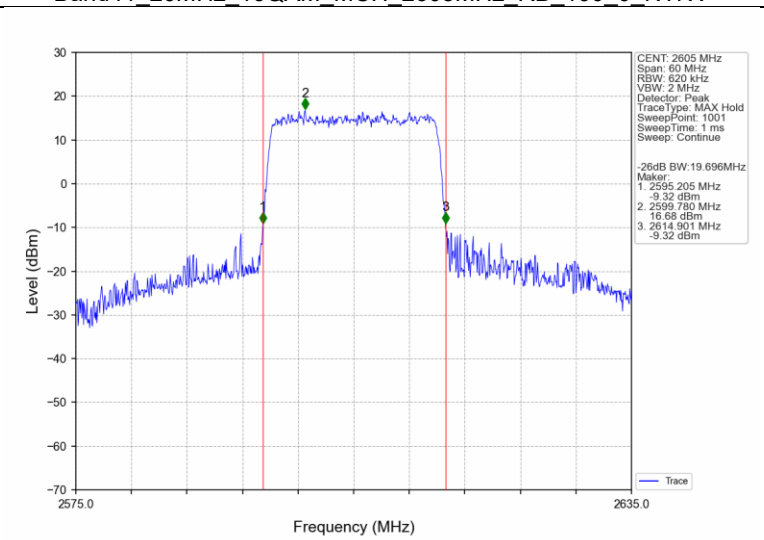
Band41_20MHz_QPSK_HCH_2645MHz_RB_100_0_NTNV



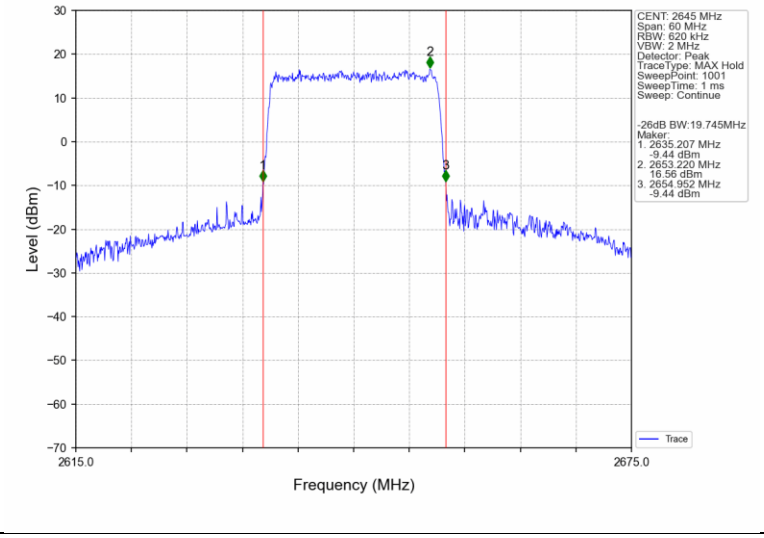

Band41_20MHz_16QAM_LCH_2565MHz_RB_100_0_NTNV



Band41_20MHz_16QAM_MCH_2605MHz_RB_100_0_NTNV




Band41_20MHz_16QAM_HCH_2645MHz_RB_100_0_NTNV



# 5. Peak-Average Ratio

## 5.1 Test Result

### 5.1.1 B41_5MHz

| Band: 41 / Bandwidth: 5MHz / NTNV | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Peak-Average Ratio (dB) | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 2557.5 | 25 | 0 | 7.67 | <=13 | Pass |
| | 2605 | 25 | 0 | 7.67 | <=13 | Pass |
| | 2652.5 | 25 | 0 | 7.94 | <=13 | Pass |
| 16QAM | 2557.5 | 25 | 0 | 8.10 | <=13 | Pass |
| | 2605 | 25 | 0 | 8.28 | <=13 | Pass |
| | 2652.5 | 25 | 0 | 8.59 | <=13 | Pass |

### 5.1.2 B41_10MHz

| Band: 41 / Bandwidth: 10MHz / NTNV | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Peak-Average Ratio (dB) | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 2560 | 50 | 0 | 7.53 | <=13 | Pass |
| | 2605 | 50 | 0 | 7.68 | <=13 | Pass |
| | 2650 | 50 | 0 | 7.77 | <=13 | Pass |
| 16QAM | 2560 | 50 | 0 | 8.13 | <=13 | Pass |
| | 2605 | 50 | 0 | 8.24 | <=13 | Pass |
| | 2650 | 50 | 0 | 8.56 | <=13 | Pass |

### 5.1.3 B41_15MHz

| Band: 41 / Bandwidth: 15MHz / NTNV | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Peak-Average Ratio (dB) | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 2562.5 | 75 | 0 | 7.35 | <=13 | Pass |
| | 2605 | 75 | 0 | 7.23 | <=13 | Pass |
| | 2647.5 | 75 | 0 | 7.53 | <=13 | Pass |
| 16QAM | 2562.5 | 75 | 0 | 8.20 | <=13 | Pass |
| | 2605 | 75 | 0 | 8.13 | <=13 | Pass |
| | 2647.5 | 75 | 0 | 8.38 | <=13 | Pass |

### 5.1.4 B41_20MHz

| Band: 41 / Bandwidth: 20MHz / NTNV | | | | | | |
|---|---|---|---|---|---|---|
| Modulation | Frequency (MHz) | RB Allocation | | Peak-Average Ratio (dB) | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 2565 | 100 | 0 | 7.76 | <=13 | Pass |
| | 2605 | 100 | 0 | 7.73 | <=13 | Pass |
| | 2645 | 100 | 0 | 7.73 | <=13 | Pass |
| 16QAM | 2565 | 100 | 0 | 8.59 | <=13 | Pass |
| | 2605 | 100 | 0 | 8.50 | <=13 | Pass |
| | 2645 | 100 | 0 | 8.61 | <=13 | Pass |