

1. Effective (Isotropic) Radiated Power Output Data

1.1 B71_5MHz_ERP

1.1.1 Test Result

| Band: 71 / Bandwidth: 5MHz / NTNV | | | | | | | | | | |
|-----------------------------------|-----------------|---------------|--------|-----------------------|------------|-----------|---------|---------|---------|------|
| Modulation | Frequency (MHz) | RB Allocation | | Conducted Power (dBm) | Gain (dBi) | ERP (dBm) | | Verdict | | |
| | | Size | Offset | | | Result | Limit | | | |
| QPSK | 665.5 | 1 | 0 | 20.68 | -1.65 | 16.88 | <=34.77 | Pass | | |
| | | | 13 | 20.87 | -1.65 | 17.07 | <=34.77 | Pass | | |
| | | | 24 | 20.82 | -1.65 | 17.02 | <=34.77 | Pass | | |
| | | 12 | 0 | 19.72 | -1.65 | 15.92 | <=34.77 | Pass | | |
| | | | 6 | 19.85 | -1.65 | 16.05 | <=34.77 | Pass | | |
| | | | 13 | 19.83 | -1.65 | 16.03 | <=34.77 | Pass | | |
| | | 25 | 0 | 19.80 | -1.65 | 16.00 | <=34.77 | Pass | | |
| | | 680.5 | 1 | 0 | 20.89 | -1.65 | 17.09 | <=34.77 | Pass | |
| | | | | 13 | 21.01 | -1.65 | 17.21 | <=34.77 | Pass | |
| | 24 | | | 20.98 | -1.65 | 17.18 | <=34.77 | Pass | | |
| | 12 | | 0 | 19.97 | -1.65 | 16.17 | <=34.77 | Pass | | |
| | | | 6 | 20.03 | -1.65 | 16.23 | <=34.77 | Pass | | |
| | | | 13 | 20.02 | -1.65 | 16.22 | <=34.77 | Pass | | |
| | 25 | | 0 | 19.97 | -1.65 | 16.17 | <=34.77 | Pass | | |
| | 695.5 | | 1 | 0 | 21.21 | -1.65 | 17.41 | <=34.77 | Pass | |
| | | | | 13 | 21.37 | -1.65 | 17.57 | <=34.77 | Pass | |
| | | 24 | | 21.33 | -1.65 | 17.53 | <=34.77 | Pass | | |
| | | 12 | 0 | 20.24 | -1.65 | 16.44 | <=34.77 | Pass | | |
| | | | 6 | 20.31 | -1.65 | 16.51 | <=34.77 | Pass | | |
| | | | 13 | 20.34 | -1.65 | 16.54 | <=34.77 | Pass | | |
| | | 25 | 0 | 20.31 | -1.65 | 16.51 | <=34.77 | Pass | | |
| | | 16QAM | 665.5 | 1 | 0 | 19.75 | -1.65 | 15.95 | <=34.77 | Pass |
| | | | | | 13 | 19.92 | -1.65 | 16.12 | <=34.77 | Pass |
| | 24 | | | | 19.90 | -1.65 | 16.10 | <=34.77 | Pass | |
| 12 | 0 | | | 18.69 | -1.65 | 14.89 | <=34.77 | Pass | | |
| | 6 | | | 18.83 | -1.65 | 15.03 | <=34.77 | Pass | | |
| | 13 | | | 18.80 | -1.65 | 15.00 | <=34.77 | Pass | | |
| 25 | 0 | | | 18.80 | -1.65 | 15.00 | <=34.77 | Pass | | |
| 680.5 | 1 | | | 0 | 20.09 | -1.65 | 16.29 | <=34.77 | Pass | |
| | | | | 13 | 20.19 | -1.65 | 16.39 | <=34.77 | Pass | |
| | | | 24 | 20.18 | -1.65 | 16.38 | <=34.77 | Pass | | |
| | 12 | | 0 | 18.98 | -1.65 | 15.18 | <=34.77 | Pass | | |
| | | | 6 | 19.06 | -1.65 | 15.26 | <=34.77 | Pass | | |
| | | | 13 | 19.04 | -1.65 | 15.24 | <=34.77 | Pass | | |
| | 25 | | 0 | 18.97 | -1.65 | 15.17 | <=34.77 | Pass | | |
| | 695.5 | | 1 | 0 | 20.31 | -1.65 | 16.51 | <=34.77 | Pass | |
| | | | | 13 | 20.48 | -1.65 | 16.68 | <=34.77 | Pass | |
| 24 | | | | 20.46 | -1.65 | 16.66 | <=34.77 | Pass | | |
| 12 | | | 0 | 19.27 | -1.65 | 15.47 | <=34.77 | Pass | | |
| | | | 6 | 19.35 | -1.65 | 15.55 | <=34.77 | Pass | | |
| | | | 13 | 19.35 | -1.65 | 15.55 | <=34.77 | Pass | | |
| 25 | | | 0 | 19.35 | -1.65 | 15.55 | <=34.77 | Pass | | |

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.2 B71_10MHz_ERP

1.2.1 Test Result

| Band: 71 / Bandwidth: 10MHz / NTNV | | | | | | | | | | |
|------------------------------------|-----------------|---------------|--------|-----------------------|------------|-----------|---------|---------|---------|------|
| Modulation | Frequency (MHz) | RB Allocation | | Conducted Power (dBm) | Gain (dBi) | ERP (dBm) | | Verdict | | |
| | | Size | Offset | | | Result | Limit | | | |
| QPSK | 668 | 1 | 0 | 20.71 | -1.65 | 16.91 | <=34.77 | Pass | | |
| | | | 25 | 20.93 | -1.65 | 17.13 | <=34.77 | Pass | | |
| | | | 49 | 20.91 | -1.65 | 17.11 | <=34.77 | Pass | | |
| | | 25 | 0 | 19.83 | -1.65 | 16.03 | <=34.77 | Pass | | |
| | | | 13 | 19.94 | -1.65 | 16.14 | <=34.77 | Pass | | |
| | | | 25 | 19.98 | -1.65 | 16.18 | <=34.77 | Pass | | |
| | | 50 | 0 | 19.91 | -1.65 | 16.11 | <=34.77 | Pass | | |
| | | 680.5 | 1 | 0 | 20.92 | -1.65 | 17.12 | <=34.77 | Pass | |
| | | | | 25 | 21.12 | -1.65 | 17.32 | <=34.77 | Pass | |
| | 49 | | | 21.15 | -1.65 | 17.35 | <=34.77 | Pass | | |
| | 25 | | 0 | 20.03 | -1.65 | 16.23 | <=34.77 | Pass | | |
| | | | 13 | 20.07 | -1.65 | 16.27 | <=34.77 | Pass | | |
| | | | 25 | 20.09 | -1.65 | 16.29 | <=34.77 | Pass | | |
| | 50 | | 0 | 20.00 | -1.65 | 16.20 | <=34.77 | Pass | | |
| | 693 | | 1 | 0 | 21.09 | -1.65 | 17.29 | <=34.77 | Pass | |
| | | | | 25 | 21.25 | -1.65 | 17.45 | <=34.77 | Pass | |
| | | 49 | | 21.33 | -1.65 | 17.53 | <=34.77 | Pass | | |
| | | 25 | 0 | 20.29 | -1.65 | 16.49 | <=34.77 | Pass | | |
| | | | 13 | 20.33 | -1.65 | 16.53 | <=34.77 | Pass | | |
| | | | 25 | 20.38 | -1.65 | 16.58 | <=34.77 | Pass | | |
| | | 50 | 0 | 20.29 | -1.65 | 16.49 | <=34.77 | Pass | | |
| | | 16QAM | 668 | 1 | 0 | 19.90 | -1.65 | 16.10 | <=34.77 | Pass |
| | | | | | 25 | 20.14 | -1.65 | 16.34 | <=34.77 | Pass |
| | 49 | | | | 20.11 | -1.65 | 16.31 | <=34.77 | Pass | |
| 25 | 0 | | | 18.84 | -1.65 | 15.04 | <=34.77 | Pass | | |
| | 13 | | | 18.90 | -1.65 | 15.10 | <=34.77 | Pass | | |
| | 25 | | | 18.95 | -1.65 | 15.15 | <=34.77 | Pass | | |
| 50 | 0 | | | 18.87 | -1.65 | 15.07 | <=34.77 | Pass | | |
| 680.5 | 1 | | | 0 | 19.80 | -1.65 | 16.00 | <=34.77 | Pass | |
| | | | | 25 | 20.00 | -1.65 | 16.20 | <=34.77 | Pass | |
| | | | 49 | 20.04 | -1.65 | 16.24 | <=34.77 | Pass | | |
| | 25 | | 0 | 19.02 | -1.65 | 15.22 | <=34.77 | Pass | | |
| | | | 13 | 19.04 | -1.65 | 15.24 | <=34.77 | Pass | | |
| | | | 25 | 19.09 | -1.65 | 15.29 | <=34.77 | Pass | | |
| | 50 | | 0 | 19.01 | -1.65 | 15.21 | <=34.77 | Pass | | |
| | 693 | | 1 | 0 | 20.30 | -1.65 | 16.50 | <=34.77 | Pass | |
| | | | | 25 | 20.44 | -1.65 | 16.64 | <=34.77 | Pass | |
| 49 | | | | 20.54 | -1.65 | 16.74 | <=34.77 | Pass | | |
| 25 | | | 0 | 19.24 | -1.65 | 15.44 | <=34.77 | Pass | | |
| | | | 13 | 19.29 | -1.65 | 15.49 | <=34.77 | Pass | | |
| | | | 25 | 19.34 | -1.65 | 15.54 | <=34.77 | Pass | | |
| 50 | | | 0 | 19.32 | -1.65 | 15.52 | <=34.77 | Pass | | |

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.3 B71_15MHz_ERP

1.3.1 Test Result

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|------------------------------------|
| Band: 71 / Bandwidth: 15MHz / NTNV |
|------------------------------------|

| Modulation | Frequency (MHz) | RB Allocation | | Conducted Power (dBm) | Gain (dBi) | ERP (dBm) | | Verdict | | |
|--|-----------------|---------------|--------|-----------------------|------------|-----------|---------|---------|---------|------|
| | | Size | Offset | | | Result | Limit | | | |
| QPSK | 670.5 | 1 | 0 | 20.65 | -1.65 | 16.85 | <=34.77 | Pass | | |
| | | | 38 | 20.82 | -1.65 | 17.02 | <=34.77 | Pass | | |
| | | | 74 | 20.92 | -1.65 | 17.12 | <=34.77 | Pass | | |
| | | 36 | 0 | 19.86 | -1.65 | 16.06 | <=34.77 | Pass | | |
| | | | 18 | 19.93 | -1.65 | 16.13 | <=34.77 | Pass | | |
| | | | 39 | 20.07 | -1.65 | 16.27 | <=34.77 | Pass | | |
| | | 75 | 0 | 20.00 | -1.65 | 16.20 | <=34.77 | Pass | | |
| | | 680.5 | 1 | 0 | 20.83 | -1.65 | 17.03 | <=34.77 | Pass | |
| | | | | 38 | 21.02 | -1.65 | 17.22 | <=34.77 | Pass | |
| | 74 | | | 21.17 | -1.65 | 17.37 | <=34.77 | Pass | | |
| | 36 | | 0 | 19.98 | -1.65 | 16.18 | <=34.77 | Pass | | |
| | | | 18 | 20.03 | -1.65 | 16.23 | <=34.77 | Pass | | |
| | | | 39 | 20.07 | -1.65 | 16.27 | <=34.77 | Pass | | |
| | 75 | | 0 | 20.03 | -1.65 | 16.23 | <=34.77 | Pass | | |
| | 690.5 | | 1 | 0 | 20.97 | -1.65 | 17.17 | <=34.77 | Pass | |
| | | | | 38 | 21.19 | -1.65 | 17.39 | <=34.77 | Pass | |
| | | 74 | | 21.26 | -1.65 | 17.46 | <=34.77 | Pass | | |
| | | 36 | 0 | 20.19 | -1.65 | 16.39 | <=34.77 | Pass | | |
| | | | 18 | 20.27 | -1.65 | 16.47 | <=34.77 | Pass | | |
| | | | 39 | 20.41 | -1.65 | 16.61 | <=34.77 | Pass | | |
| | | 75 | 0 | 20.31 | -1.65 | 16.51 | <=34.77 | Pass | | |
| | | 16QAM | 670.5 | 1 | 0 | 19.95 | -1.65 | 16.15 | <=34.77 | Pass |
| | | | | | 38 | 20.12 | -1.65 | 16.32 | <=34.77 | Pass |
| | 74 | | | | 20.18 | -1.65 | 16.38 | <=34.77 | Pass | |
| 36 | 0 | | | 18.90 | -1.65 | 15.10 | <=34.77 | Pass | | |
| | 18 | | | 18.97 | -1.65 | 15.17 | <=34.77 | Pass | | |
| | 39 | | | 19.12 | -1.65 | 15.32 | <=34.77 | Pass | | |
| 75 | 0 | | | 19.00 | -1.65 | 15.20 | <=34.77 | Pass | | |
| 680.5 | 1 | | | 0 | 19.74 | -1.65 | 15.94 | <=34.77 | Pass | |
| | | | | 38 | 19.93 | -1.65 | 16.13 | <=34.77 | Pass | |
| | | | 74 | 20.05 | -1.65 | 16.25 | <=34.77 | Pass | | |
| | 36 | | 0 | 18.89 | -1.65 | 15.09 | <=34.77 | Pass | | |
| | | | 18 | 19.00 | -1.65 | 15.20 | <=34.77 | Pass | | |
| | | | 39 | 19.08 | -1.65 | 15.28 | <=34.77 | Pass | | |
| | 75 | | 0 | 19.01 | -1.65 | 15.21 | <=34.77 | Pass | | |
| | 690.5 | | 1 | 0 | 20.13 | -1.65 | 16.33 | <=34.77 | Pass | |
| | | | | 38 | 20.35 | -1.65 | 16.55 | <=34.77 | Pass | |
| 74 | | | | 20.48 | -1.65 | 16.68 | <=34.77 | Pass | | |
| 36 | | | 0 | 19.19 | -1.65 | 15.39 | <=34.77 | Pass | | |
| | | | 18 | 19.22 | -1.65 | 15.42 | <=34.77 | Pass | | |
| | | | 39 | 19.32 | -1.65 | 15.52 | <=34.77 | Pass | | |
| 75 | | | 0 | 19.22 | -1.65 | 15.42 | <=34.77 | Pass | | |
| Note1: ERP=Conducted Power+Antenna Gain-2.15 | | | | | | | | | | |

1.4 B71_20MHz_ERP

1.4.1 Test Result

| Band: 71 / Bandwidth: 20MHz / NTNV | | | | | | | | |
|------------------------------------|-----------------|---------------|--------|-----------------------|------------|-----------|---------|---------|
| Modulation | Frequency (MHz) | RB Allocation | | Conducted Power (dBm) | Gain (dBi) | ERP (dBm) | | Verdict |
| | | Size | Offset | | | Result | Limit | |
| QPSK | 673 | 1 | 0 | 20.60 | -1.65 | 16.80 | <=34.77 | Pass |
| | | | 50 | 21.10 | -1.65 | 17.30 | <=34.77 | Pass |

| | | | | | | | | | | |
|-----|--|-------|-------|-------|-------|---------|---------|---------|---------|------|
| | | 50 | 99 | 20.98 | -1.65 | 17.18 | <=34.77 | Pass | | |
| | | | 0 | 19.91 | -1.65 | 16.11 | <=34.77 | Pass | | |
| | | | 25 | 19.97 | -1.65 | 16.17 | <=34.77 | Pass | | |
| | | | 50 | 20.11 | -1.65 | 16.31 | <=34.77 | Pass | | |
| | | 100 | 0 | 19.98 | -1.65 | 16.18 | <=34.77 | Pass | | |
| | | 683 | 1 | 0 | 20.72 | -1.65 | 16.92 | <=34.77 | Pass | |
| | | | | 50 | 21.15 | -1.65 | 17.35 | <=34.77 | Pass | |
| | | | | 99 | 21.07 | -1.65 | 17.27 | <=34.77 | Pass | |
| | | | 50 | 0 | 19.98 | -1.65 | 16.18 | <=34.77 | Pass | |
| | | | | 25 | 20.10 | -1.65 | 16.30 | <=34.77 | Pass | |
| | 50 | | | 20.19 | -1.65 | 16.39 | <=34.77 | Pass | | |
| | 100 | 0 | 20.05 | -1.65 | 16.25 | <=34.77 | Pass | | | |
| | 688 | 1 | 0 | 20.61 | -1.65 | 16.81 | <=34.77 | Pass | | |
| | | | 50 | 21.11 | -1.65 | 17.31 | <=34.77 | Pass | | |
| | | | 99 | 21.07 | -1.65 | 17.27 | <=34.77 | Pass | | |
| | | 50 | 0 | 20.18 | -1.65 | 16.38 | <=34.77 | Pass | | |
| | | | 25 | 20.21 | -1.65 | 16.41 | <=34.77 | Pass | | |
| | | | 50 | 20.33 | -1.65 | 16.53 | <=34.77 | Pass | | |
| | | 100 | 0 | 20.23 | -1.65 | 16.43 | <=34.77 | Pass | | |
| | | 16QAM | 673 | 1 | 0 | 19.73 | -1.65 | 15.93 | <=34.77 | Pass |
| | | | | | 50 | 20.20 | -1.65 | 16.40 | <=34.77 | Pass |
| | 99 | | | | 20.09 | -1.65 | 16.29 | <=34.77 | Pass | |
| | 50 | | | 0 | 18.83 | -1.65 | 15.03 | <=34.77 | Pass | |
| | | | | 25 | 18.92 | -1.65 | 15.12 | <=34.77 | Pass | |
| | | | | 50 | 19.09 | -1.65 | 15.29 | <=34.77 | Pass | |
| | 100 | | | 0 | 18.90 | -1.65 | 15.10 | <=34.77 | Pass | |
| | 683 | | | 1 | 0 | 19.78 | -1.65 | 15.98 | <=34.77 | Pass |
| 50 | | | | | 20.23 | -1.65 | 16.43 | <=34.77 | Pass | |
| 99 | | | 20.21 | | -1.65 | 16.41 | <=34.77 | Pass | | |
| 50 | | | 0 | 18.98 | -1.65 | 15.18 | <=34.77 | Pass | | |
| | | | 25 | 19.08 | -1.65 | 15.28 | <=34.77 | Pass | | |
| | | | 50 | 19.16 | -1.65 | 15.36 | <=34.77 | Pass | | |
| 100 | | | 0 | 19.05 | -1.65 | 15.25 | <=34.77 | Pass | | |
| 688 | | | 1 | 0 | 19.82 | -1.65 | 16.02 | <=34.77 | Pass | |
| | | | | 50 | 20.33 | -1.65 | 16.53 | <=34.77 | Pass | |
| | 99 | | | 20.24 | -1.65 | 16.44 | <=34.77 | Pass | | |
| | 50 | | 0 | 19.22 | -1.65 | 15.42 | <=34.77 | Pass | | |
| | | | 25 | 19.24 | -1.65 | 15.44 | <=34.77 | Pass | | |
| | | | 50 | 19.39 | -1.65 | 15.59 | <=34.77 | Pass | | |
| | 100 | | 0 | 19.24 | -1.65 | 15.44 | <=34.77 | Pass | | |
| | Note1: ERP=Conducted Power+Antenna Gain-2.15 | | | | | | | | | |

2. Frequency Stability

2.1 B71_5MHz

2.1.1 Test Result

| Band: 71 / Bandwidth: 5MHz | | | | | | | | | | | | | |
|----------------------------|-----------------|---------------|--------|------------|---------------|------------------|-----------------------|-------------|---------|--------|---------|-------------|------|
| Modulation | Frequency (MHz) | RB Allocation | | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) | | Verdict | | | | |
| | | Size | Offset | | | | Result | Limit | | | | | |
| QPSK | 665.5 | 25 | 0 | 20 | 3.27 | -5.293 | -0.0080 | -2.5 to 2.5 | Pass | | | | |
| | | | | | | | | | 3.85 | -8.297 | -0.0125 | -2.5 to 2.5 | Pass |
| | | | | | | | | | 4.43 | -5.293 | -0.0080 | -2.5 to 2.5 | Pass |

| | | | | | | | | | | | | |
|-------|-------|--------|---------|---------|-------------|---------|-------------|-------------|---------|---------|-------------|------|
| | | | | -30 | 3.85 | -7.668 | -0.0115 | -2.5 to 2.5 | Pass | | | |
| | | | | -20 | 3.85 | -5.708 | -0.0086 | -2.5 to 2.5 | Pass | | | |
| | | | | -10 | 3.85 | -4.621 | -0.0069 | -2.5 to 2.5 | Pass | | | |
| | | | | 0 | 3.85 | -6.337 | -0.0095 | -2.5 to 2.5 | Pass | | | |
| | | | | 10 | 3.85 | -20.857 | -0.0313 | -2.5 to 2.5 | Pass | | | |
| | | | | 30 | 3.85 | -9.427 | -0.0142 | -2.5 to 2.5 | Pass | | | |
| | | | | 40 | 3.85 | -6.623 | -0.0100 | -2.5 to 2.5 | Pass | | | |
| | 50 | 3.85 | -7.968 | -0.0120 | -2.5 to 2.5 | Pass | | | | | | |
| | 680.5 | 25 | 0 | 20 | 3.27 | -7.224 | -0.0106 | -2.5 to 2.5 | Pass | | | |
| | | | | | 3.85 | -11.601 | -0.0170 | -2.5 to 2.5 | Pass | | | |
| | | | | | 4.43 | -6.366 | -0.0094 | -2.5 to 2.5 | Pass | | | |
| | | | | -30 | 3.85 | -6.151 | -0.0090 | -2.5 to 2.5 | Pass | | | |
| | | | | -20 | 3.85 | -3.190 | -0.0047 | -2.5 to 2.5 | Pass | | | |
| | | | | -10 | 3.85 | -3.920 | -0.0058 | -2.5 to 2.5 | Pass | | | |
| | | | | 0 | 3.85 | -6.752 | -0.0099 | -2.5 to 2.5 | Pass | | | |
| | | | | 10 | 3.85 | -7.081 | -0.0104 | -2.5 to 2.5 | Pass | | | |
| | | | | 30 | 3.85 | -9.098 | -0.0134 | -2.5 to 2.5 | Pass | | | |
| | | | | 40 | 3.85 | -6.366 | -0.0094 | -2.5 to 2.5 | Pass | | | |
| | | | | 50 | 3.85 | -0.887 | -0.0013 | -2.5 to 2.5 | Pass | | | |
| | | | | 695.5 | 25 | 0 | 20 | 3.27 | -4.134 | -0.0059 | -2.5 to 2.5 | Pass |
| | | | | | | | | 3.85 | -5.078 | -0.0073 | -2.5 to 2.5 | Pass |
| | | | | | | | | 4.43 | -4.206 | -0.0060 | -2.5 to 2.5 | Pass |
| | -30 | 3.85 | -8.154 | | | | -0.0117 | -2.5 to 2.5 | Pass | | | |
| | -20 | 3.85 | -4.463 | | | | -0.0064 | -2.5 to 2.5 | Pass | | | |
| | -10 | 3.85 | -6.008 | | | | -0.0086 | -2.5 to 2.5 | Pass | | | |
| | 0 | 3.85 | -5.894 | | | | -0.0085 | -2.5 to 2.5 | Pass | | | |
| | 10 | 3.85 | -8.383 | | | | -0.0121 | -2.5 to 2.5 | Pass | | | |
| 30 | 3.85 | -6.509 | -0.0094 | | | | -2.5 to 2.5 | Pass | | | | |
| 40 | 3.85 | -6.738 | -0.0097 | | | | -2.5 to 2.5 | Pass | | | | |
| 50 | 3.85 | -2.947 | -0.0042 | | | | -2.5 to 2.5 | Pass | | | | |
| 16QAM | 665.5 | 25 | 0 | 20 | 3.27 | -7.353 | -0.0110 | -2.5 to 2.5 | Pass | | | |
| | | | | | 3.85 | -7.381 | -0.0111 | -2.5 to 2.5 | Pass | | | |
| | | | | | 4.43 | -6.566 | -0.0099 | -2.5 to 2.5 | Pass | | | |
| | | | | -30 | 3.85 | -7.682 | -0.0115 | -2.5 to 2.5 | Pass | | | |
| | | | | -20 | 3.85 | -5.693 | -0.0086 | -2.5 to 2.5 | Pass | | | |
| | | | | -10 | 3.85 | -5.121 | -0.0077 | -2.5 to 2.5 | Pass | | | |
| | | | | 0 | 3.85 | -2.918 | -0.0044 | -2.5 to 2.5 | Pass | | | |
| | | | | 10 | 3.85 | -8.411 | -0.0126 | -2.5 to 2.5 | Pass | | | |
| | | | | 30 | 3.85 | -3.448 | -0.0052 | -2.5 to 2.5 | Pass | | | |
| | | | | 40 | 3.85 | -4.406 | -0.0066 | -2.5 to 2.5 | Pass | | | |
| | | | | 50 | 3.85 | -8.268 | -0.0124 | -2.5 to 2.5 | Pass | | | |
| | | | | 680.5 | 25 | 0 | 20 | 3.27 | -11.530 | -0.0169 | -2.5 to 2.5 | Pass |
| | | | | | | | | 3.85 | -7.954 | -0.0117 | -2.5 to 2.5 | Pass |
| | | | | | | | | 4.43 | -5.622 | -0.0083 | -2.5 to 2.5 | Pass |
| | -30 | 3.85 | -5.665 | | | | -0.0083 | -2.5 to 2.5 | Pass | | | |
| | -20 | 3.85 | -4.306 | | | | -0.0063 | -2.5 to 2.5 | Pass | | | |
| | -10 | 3.85 | -10.085 | | | | -0.0148 | -2.5 to 2.5 | Pass | | | |
| | 0 | 3.85 | -6.909 | | | | -0.0102 | -2.5 to 2.5 | Pass | | | |
| | 10 | 3.85 | -8.440 | | | | -0.0124 | -2.5 to 2.5 | Pass | | | |
| | 30 | 3.85 | -5.865 | | | | -0.0086 | -2.5 to 2.5 | Pass | | | |
| | 40 | 3.85 | -5.722 | | | | -0.0084 | -2.5 to 2.5 | Pass | | | |
| | 50 | 3.85 | 1.202 | | | | 0.0018 | -2.5 to 2.5 | Pass | | | |
| | 695.5 | 25 | 0 | 20 | 3.27 | -7.052 | -0.0101 | -2.5 to 2.5 | Pass | | | |
| | | | | | 3.85 | -7.896 | -0.0114 | -2.5 to 2.5 | Pass | | | |
| | | | | | 4.43 | -9.785 | -0.0141 | -2.5 to 2.5 | Pass | | | |
| | | | | -30 | 3.85 | -7.982 | -0.0115 | -2.5 to 2.5 | Pass | | | |
| | -20 | 3.85 | -5.894 | -0.0085 | -2.5 to 2.5 | Pass | | | | | | |

| | | | | | | | | | |
|--|--|--|--|-----|------|---------|---------|-------------|------|
| | | | | -10 | 3.85 | -10.943 | -0.0157 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -6.437 | -0.0093 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -6.738 | -0.0097 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -5.164 | -0.0074 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -8.397 | -0.0121 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -8.783 | -0.0126 | -2.5 to 2.5 | Pass |

2.2 B71_10MHz

2.2.1 Test Result

| Band: 71 / Bandwidth: 10MHz | | | | | | | | | |
|-----------------------------|-----------------|---------------|---------|-------------|---------------|------------------|-----------------------|-------------|---------|
| Modulation | Frequency (MHz) | RB Allocation | | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) | | Verdict |
| | | Size | Offset | | | | Result | Limit | |
| QPSK | 668 | 50 | 0 | 20 | 3.27 | -8.612 | -0.0129 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -5.865 | -0.0088 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -5.751 | -0.0086 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -7.281 | -0.0109 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -8.011 | -0.0120 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -5.722 | -0.0086 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -9.770 | -0.0146 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -6.123 | -0.0092 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -6.652 | -0.0100 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -3.405 | -0.0051 | -2.5 to 2.5 | Pass |
| | 50 | 3.85 | -5.879 | -0.0088 | -2.5 to 2.5 | Pass | | | |
| | 680.5 | 50 | 0 | 20 | 3.27 | -2.918 | -0.0043 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -9.313 | -0.0137 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -5.980 | -0.0088 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -1.531 | -0.0022 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -7.882 | -0.0116 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -5.651 | -0.0083 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -8.211 | -0.0121 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -7.396 | -0.0109 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -3.462 | -0.0051 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -5.436 | -0.0080 | -2.5 to 2.5 | Pass |
| | 50 | 3.85 | -8.211 | -0.0121 | -2.5 to 2.5 | Pass | | | |
| | 693 | 50 | 0 | 20 | 3.27 | -6.008 | -0.0087 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -8.526 | -0.0123 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -6.952 | -0.0100 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -6.595 | -0.0095 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -5.722 | -0.0083 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -5.794 | -0.0084 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -6.995 | -0.0101 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -5.550 | -0.0080 | -2.5 to 2.5 | Pass |
| 30 | | | | 3.85 | -2.017 | -0.0029 | -2.5 to 2.5 | Pass | |
| 40 | | | | 3.85 | -1.388 | -0.0020 | -2.5 to 2.5 | Pass | |
| 50 | 3.85 | -7.439 | -0.0107 | -2.5 to 2.5 | Pass | | | | |
| 16QAM | 668 | 50 | 0 | 20 | 3.27 | -8.941 | -0.0134 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -7.896 | -0.0118 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -7.467 | -0.0112 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -7.339 | -0.0110 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -5.608 | -0.0084 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -1.988 | -0.0030 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -6.166 | -0.0092 | -2.5 to 2.5 | Pass |
| 10 | 3.85 | -5.407 | -0.0081 | -2.5 to 2.5 | Pass | | | | |

| | | | | | | | | | |
|----|-------|--------|---------|-------------|-------------|---------|-------------|-------------|------|
| | 680.5 | 50 | 0 | 30 | 3.85 | -6.952 | -0.0104 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -6.695 | -0.0100 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -4.649 | -0.0070 | -2.5 to 2.5 | Pass |
| | | | | 20 | 3.27 | -4.749 | -0.0070 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -6.638 | -0.0098 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -4.377 | -0.0064 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -4.864 | -0.0071 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -6.423 | -0.0094 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -3.433 | -0.0050 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -2.918 | -0.0043 | -2.5 to 2.5 | Pass |
| | 10 | 3.85 | 0.558 | 0.0008 | -2.5 to 2.5 | Pass | | | |
| | 30 | 3.85 | -9.413 | -0.0138 | -2.5 to 2.5 | Pass | | | |
| | 40 | 3.85 | -7.739 | -0.0114 | -2.5 to 2.5 | Pass | | | |
| | 50 | 3.85 | -8.497 | -0.0125 | -2.5 to 2.5 | Pass | | | |
| | 693 | 50 | 0 | 20 | 3.27 | -7.811 | -0.0113 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -5.736 | -0.0083 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -4.978 | -0.0072 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -4.134 | -0.0060 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -6.366 | -0.0092 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -5.221 | -0.0075 | -2.5 to 2.5 | Pass |
| 0 | | | | 3.85 | -5.779 | -0.0083 | -2.5 to 2.5 | Pass | |
| 10 | | | | 3.85 | -7.052 | -0.0102 | -2.5 to 2.5 | Pass | |
| 30 | | | | 3.85 | -4.535 | -0.0065 | -2.5 to 2.5 | Pass | |
| 40 | | | | 3.85 | -3.862 | -0.0056 | -2.5 to 2.5 | Pass | |
| 50 | 3.85 | -5.808 | -0.0084 | -2.5 to 2.5 | Pass | | | | |

2.3 B71_15MHz

2.3.1 Test Result

| Band: 71 / Bandwidth: 15MHz | | | | | | | | | |
|-----------------------------|-----------------|---------------|---------|-------------|---------------|------------------|-----------------------|-------------|---------|
| Modulation | Frequency (MHz) | RB Allocation | | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) | | Verdict |
| | | Size | Offset | | | | Result | Limit | |
| QPSK | 670.5 | 75 | 0 | 20 | 3.27 | -7.782 | -0.0116 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -5.407 | -0.0081 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -7.267 | -0.0108 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -4.377 | -0.0065 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -6.137 | -0.0092 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -7.396 | -0.0110 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -6.108 | -0.0091 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -8.011 | -0.0119 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -4.220 | -0.0063 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -9.527 | -0.0142 | -2.5 to 2.5 | Pass |
| | 50 | 3.85 | -5.307 | -0.0079 | -2.5 to 2.5 | Pass | | | |
| | 680.5 | 75 | 0 | 20 | 3.27 | -4.420 | -0.0065 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -5.307 | -0.0078 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -4.091 | -0.0060 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -5.078 | -0.0075 | -2.5 to 2.5 | Pass |
| | | | | -20 | 3.85 | -8.354 | -0.0123 | -2.5 to 2.5 | Pass |
| | | | | -10 | 3.85 | -6.738 | -0.0099 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -3.219 | -0.0047 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -10.128 | -0.0149 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -6.151 | -0.0090 | -2.5 to 2.5 | Pass |
| 40 | | | | 3.85 | -3.433 | -0.0050 | -2.5 to 2.5 | Pass | |
| 50 | 3.85 | -2.961 | -0.0044 | -2.5 to 2.5 | Pass | | | | |

| | | | | | | | | | |
|-------|-------|--------|---------|---------|-------------|-------------|-------------|-------------|-------------|
| | 690.5 | 75 | 0 | 20 | 3.27 | -6.680 | -0.0097 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -3.476 | -0.0050 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -6.824 | -0.0099 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -3.934 | -0.0057 | -2.5 to 2.5 | Pass |
| | | | | | -20 | 3.85 | -5.407 | -0.0078 | -2.5 to 2.5 |
| | | | | -10 | 3.85 | -7.539 | -0.0109 | -2.5 to 2.5 | Pass |
| | | | | | 0 | 3.85 | -9.470 | -0.0137 | -2.5 to 2.5 |
| | | | | 10 | 3.85 | -9.270 | -0.0134 | -2.5 to 2.5 | Pass |
| | | | | | 30 | 3.85 | -7.510 | -0.0109 | -2.5 to 2.5 |
| | | | | 40 | 3.85 | -5.479 | -0.0079 | -2.5 to 2.5 | Pass |
| 50 | 3.85 | -6.194 | -0.0090 | | -2.5 to 2.5 | Pass | | | |
| 16QAM | 670.5 | 75 | 0 | 20 | 3.27 | -8.440 | -0.0126 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -5.207 | -0.0078 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -3.676 | -0.0055 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -10.085 | -0.0150 | -2.5 to 2.5 | Pass |
| | | | | | -20 | 3.85 | -7.753 | -0.0116 | -2.5 to 2.5 |
| | | | | -10 | 3.85 | -3.805 | -0.0057 | -2.5 to 2.5 | Pass |
| | | | | | 0 | 3.85 | -5.193 | -0.0077 | -2.5 to 2.5 |
| | | | | 10 | 3.85 | -2.432 | -0.0036 | -2.5 to 2.5 | Pass |
| | | | | | 30 | 3.85 | -5.436 | -0.0081 | -2.5 to 2.5 |
| | | | | 40 | 3.85 | -8.612 | -0.0128 | -2.5 to 2.5 | Pass |
| | 50 | 3.85 | -7.038 | | -0.0105 | -2.5 to 2.5 | Pass | | |
| | 680.5 | 75 | 0 | 20 | 3.27 | -5.851 | -0.0086 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -7.696 | -0.0113 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -7.968 | -0.0117 | -2.5 to 2.5 | Pass |
| | | | | -30 | 3.85 | -9.828 | -0.0144 | -2.5 to 2.5 | Pass |
| | | | | | -20 | 3.85 | -6.337 | -0.0093 | -2.5 to 2.5 |
| | | | | -10 | 3.85 | -7.854 | -0.0115 | -2.5 to 2.5 | Pass |
| | | | | | 0 | 3.85 | -4.907 | -0.0072 | -2.5 to 2.5 |
| | | | | 10 | 3.85 | -6.037 | -0.0089 | -2.5 to 2.5 | Pass |
| | | | | | 30 | 3.85 | -8.826 | -0.0130 | -2.5 to 2.5 |
| 40 | | | | 3.85 | -3.448 | -0.0051 | -2.5 to 2.5 | Pass | |
| | 50 | 3.85 | -7.524 | -0.0111 | -2.5 to 2.5 | Pass | | | |
| 690.5 | 75 | 0 | 20 | 3.27 | -7.324 | -0.0106 | -2.5 to 2.5 | Pass | |
| | | | | 3.85 | -5.250 | -0.0076 | -2.5 to 2.5 | Pass | |
| | | | | 4.43 | -5.965 | -0.0086 | -2.5 to 2.5 | Pass | |
| | | | -30 | 3.85 | -6.208 | -0.0090 | -2.5 to 2.5 | Pass | |
| | | | | -20 | 3.85 | -4.678 | -0.0068 | -2.5 to 2.5 | Pass |
| | | | -10 | 3.85 | -4.435 | -0.0064 | -2.5 to 2.5 | Pass | |
| | | | | 0 | 3.85 | -2.375 | -0.0034 | -2.5 to 2.5 | Pass |
| | | | 10 | 3.85 | -3.347 | -0.0048 | -2.5 to 2.5 | Pass | |
| | | | | 30 | 3.85 | -3.104 | -0.0045 | -2.5 to 2.5 | Pass |
| | | | 40 | 3.85 | -1.960 | -0.0028 | -2.5 to 2.5 | Pass | |
| 50 | 3.85 | -2.990 | | -0.0043 | -2.5 to 2.5 | Pass | | | |

2.4 B71_20MHz

2.4.1 Test Result

| Band: 71 / Bandwidth: 20MHz | | | | | | | | | |
|-----------------------------|-----------------|---------------|--------|------------|---------------|------------------|-----------------------|-------------|---------|
| Modulation | Frequency (MHz) | RB Allocation | | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) | | Verdict |
| | | Size | Offset | | | | Result | Limit | |
| QPSK | 673 | 100 | 0 | 20 | 3.27 | -8.025 | -0.0119 | -2.5 to 2.5 | Pass |
| | | | | | 3.85 | -6.680 | -0.0099 | -2.5 to 2.5 | Pass |
| | | | | | 4.43 | -7.553 | -0.0112 | -2.5 to 2.5 | Pass |

| | | | | | | | | | | | | |
|-------|------|--------|---------|---------|-------------|---------|-------------|-------------|--------|---------|-------------|------|
| | | | | -30 | 3.85 | -7.381 | -0.0110 | -2.5 to 2.5 | Pass | | | |
| | | | | -20 | 3.85 | -5.436 | -0.0081 | -2.5 to 2.5 | Pass | | | |
| | | | | -10 | 3.85 | -7.868 | -0.0117 | -2.5 to 2.5 | Pass | | | |
| | | | | 0 | 3.85 | -7.267 | -0.0108 | -2.5 to 2.5 | Pass | | | |
| | | | | 10 | 3.85 | -5.980 | -0.0089 | -2.5 to 2.5 | Pass | | | |
| | | | | 30 | 3.85 | -6.237 | -0.0093 | -2.5 to 2.5 | Pass | | | |
| | | | | 40 | 3.85 | -7.253 | -0.0108 | -2.5 to 2.5 | Pass | | | |
| | 50 | 3.85 | -7.524 | -0.0112 | -2.5 to 2.5 | Pass | | | | | | |
| | 683 | 100 | 0 | 20 | 3.27 | -3.920 | -0.0057 | -2.5 to 2.5 | Pass | | | |
| | | | | | 3.85 | -3.834 | -0.0056 | -2.5 to 2.5 | Pass | | | |
| | | | | | 4.43 | -3.691 | -0.0054 | -2.5 to 2.5 | Pass | | | |
| | | | | -30 | 3.85 | -7.882 | -0.0115 | -2.5 to 2.5 | Pass | | | |
| | | | | -20 | 3.85 | -5.980 | -0.0088 | -2.5 to 2.5 | Pass | | | |
| | | | | -10 | 3.85 | -6.766 | -0.0099 | -2.5 to 2.5 | Pass | | | |
| | | | | 0 | 3.85 | -6.380 | -0.0093 | -2.5 to 2.5 | Pass | | | |
| | | | | 10 | 3.85 | -8.011 | -0.0117 | -2.5 to 2.5 | Pass | | | |
| | | | | 30 | 3.85 | -5.693 | -0.0083 | -2.5 to 2.5 | Pass | | | |
| | | | | 40 | 3.85 | -4.921 | -0.0072 | -2.5 to 2.5 | Pass | | | |
| | | | | 50 | 3.85 | -6.423 | -0.0094 | -2.5 to 2.5 | Pass | | | |
| | | | | 688 | 100 | 0 | 20 | 3.27 | -6.952 | -0.0101 | -2.5 to 2.5 | Pass |
| | | | | | | | | 3.85 | -7.195 | -0.0105 | -2.5 to 2.5 | Pass |
| | | | | | | | | 4.43 | -9.127 | -0.0133 | -2.5 to 2.5 | Pass |
| | -30 | 3.85 | -6.766 | | | | -0.0098 | -2.5 to 2.5 | Pass | | | |
| | -20 | 3.85 | -4.492 | | | | -0.0065 | -2.5 to 2.5 | Pass | | | |
| | -10 | 3.85 | -4.220 | | | | -0.0061 | -2.5 to 2.5 | Pass | | | |
| | 0 | 3.85 | -8.597 | | | | -0.0125 | -2.5 to 2.5 | Pass | | | |
| | 10 | 3.85 | -8.311 | | | | -0.0121 | -2.5 to 2.5 | Pass | | | |
| 30 | 3.85 | -6.309 | -0.0092 | | | | -2.5 to 2.5 | Pass | | | | |
| 40 | 3.85 | -7.496 | -0.0109 | | | | -2.5 to 2.5 | Pass | | | | |
| 50 | 3.85 | -7.024 | -0.0102 | | | | -2.5 to 2.5 | Pass | | | | |
| 16QAM | 673 | 100 | 0 | 20 | 3.27 | -6.666 | -0.0099 | -2.5 to 2.5 | Pass | | | |
| | | | | | 3.85 | -4.163 | -0.0062 | -2.5 to 2.5 | Pass | | | |
| | | | | | 4.43 | -7.567 | -0.0112 | -2.5 to 2.5 | Pass | | | |
| | | | | -30 | 3.85 | -9.398 | -0.0140 | -2.5 to 2.5 | Pass | | | |
| | | | | -20 | 3.85 | -5.951 | -0.0088 | -2.5 to 2.5 | Pass | | | |
| | | | | -10 | 3.85 | -5.493 | -0.0082 | -2.5 to 2.5 | Pass | | | |
| | | | | 0 | 3.85 | -4.048 | -0.0060 | -2.5 to 2.5 | Pass | | | |
| | | | | 10 | 3.85 | -8.183 | -0.0122 | -2.5 to 2.5 | Pass | | | |
| | | | | 30 | 3.85 | -4.692 | -0.0070 | -2.5 to 2.5 | Pass | | | |
| | | | | 40 | 3.85 | -8.183 | -0.0122 | -2.5 to 2.5 | Pass | | | |
| | | | | 50 | 3.85 | -6.838 | -0.0102 | -2.5 to 2.5 | Pass | | | |
| | | | | 683 | 100 | 0 | 20 | 3.27 | -9.785 | -0.0143 | -2.5 to 2.5 | Pass |
| | | | | | | | | 3.85 | -6.452 | -0.0094 | -2.5 to 2.5 | Pass |
| | | | | | | | | 4.43 | -5.708 | -0.0084 | -2.5 to 2.5 | Pass |
| | -30 | 3.85 | -5.879 | | | | -0.0086 | -2.5 to 2.5 | Pass | | | |
| | -20 | 3.85 | -5.150 | | | | -0.0075 | -2.5 to 2.5 | Pass | | | |
| | -10 | 3.85 | -5.565 | | | | -0.0081 | -2.5 to 2.5 | Pass | | | |
| | 0 | 3.85 | -5.493 | | | | -0.0080 | -2.5 to 2.5 | Pass | | | |
| | 10 | 3.85 | -5.465 | | | | -0.0080 | -2.5 to 2.5 | Pass | | | |
| | 30 | 3.85 | -2.503 | | | | -0.0037 | -2.5 to 2.5 | Pass | | | |
| | 40 | 3.85 | -3.862 | | | | -0.0057 | -2.5 to 2.5 | Pass | | | |
| | 50 | 3.85 | -3.076 | | | | -0.0045 | -2.5 to 2.5 | Pass | | | |
| | 688 | 100 | 0 | | | | 20 | 3.27 | -7.639 | -0.0111 | -2.5 to 2.5 | Pass |
| | | | | | | | | 3.85 | -8.411 | -0.0122 | -2.5 to 2.5 | Pass |
| | | | | 4.43 | -10.800 | -0.0157 | | -2.5 to 2.5 | Pass | | | |
| | | | | -30 | 3.85 | -10.700 | -0.0156 | -2.5 to 2.5 | Pass | | | |
| | -20 | 3.85 | -9.227 | -0.0134 | -2.5 to 2.5 | Pass | | | | | | |

| | | | | | | | | | |
|--|--|--|--|-----|------|--------|---------|-------------|------|
| | | | | -10 | 3.85 | -5.379 | -0.0078 | -2.5 to 2.5 | Pass |
| | | | | 0 | 3.85 | -7.038 | -0.0102 | -2.5 to 2.5 | Pass |
| | | | | 10 | 3.85 | -5.565 | -0.0081 | -2.5 to 2.5 | Pass |
| | | | | 30 | 3.85 | -4.735 | -0.0069 | -2.5 to 2.5 | Pass |
| | | | | 40 | 3.85 | -4.506 | -0.0065 | -2.5 to 2.5 | Pass |
| | | | | 50 | 3.85 | -3.805 | -0.0055 | -2.5 to 2.5 | Pass |

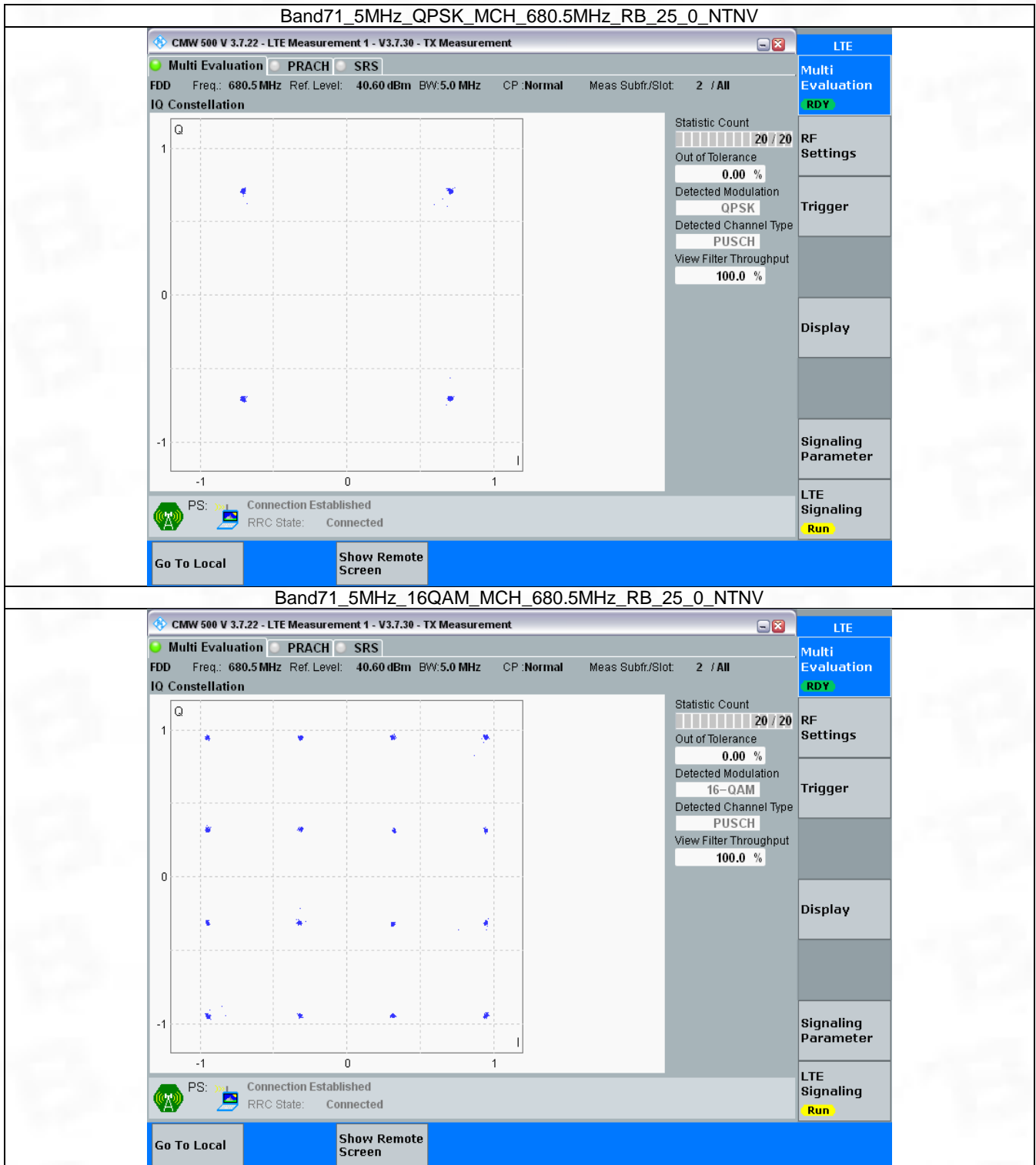
3. Modulation Characteristics

3.1 B71_5MHz

3.1.1 Test Result

| Band: 71 / Bandwidth: 5MHz / NTN | | | | | | |
|----------------------------------|-----------------|---------------|--------|----------------------------|-------|---------|
| Modulation | Frequency (MHz) | RB Allocation | | Modulation Characteristics | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 680.5 | 25 | 0 | Refer To Test Graph | | Pass |
| 16QAM | 680.5 | 25 | 0 | Refer To Test Graph | | Pass |

3.1.2 Test Graph

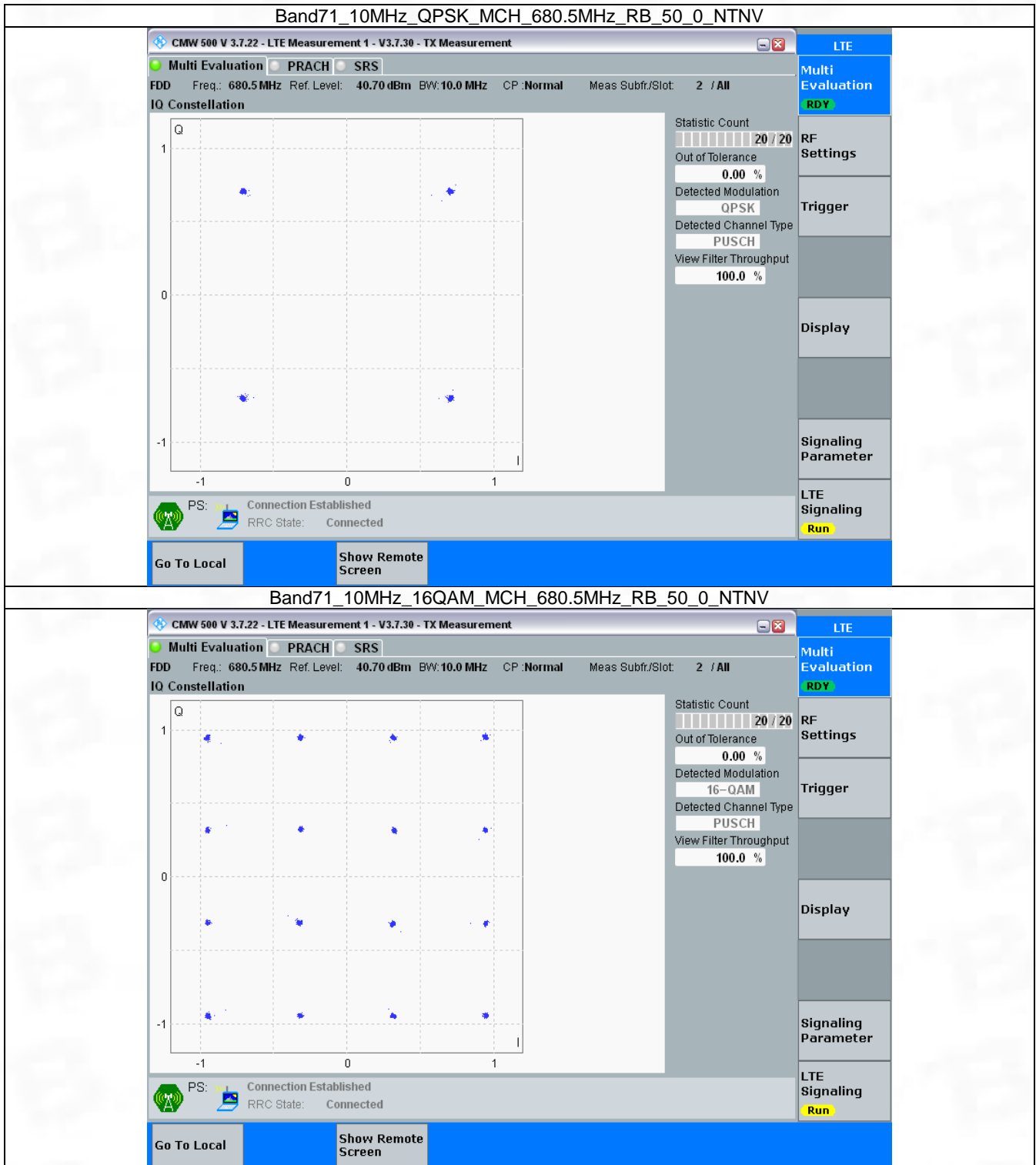


3.2 B71_10MHz

3.2.1 Test Result

| Band: 71 / Bandwidth: 10MHz / NTV | | | | | | |
|-----------------------------------|-----------------|---------------|--------|----------------------------|-------|---------|
| Modulation | Frequency (MHz) | RB Allocation | | Modulation Characteristics | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 680.5 | 50 | 0 | Refer To Test Graph | | Pass |
| 16QAM | 680.5 | 50 | 0 | Refer To Test Graph | | Pass |

3.2.2 Test Graph

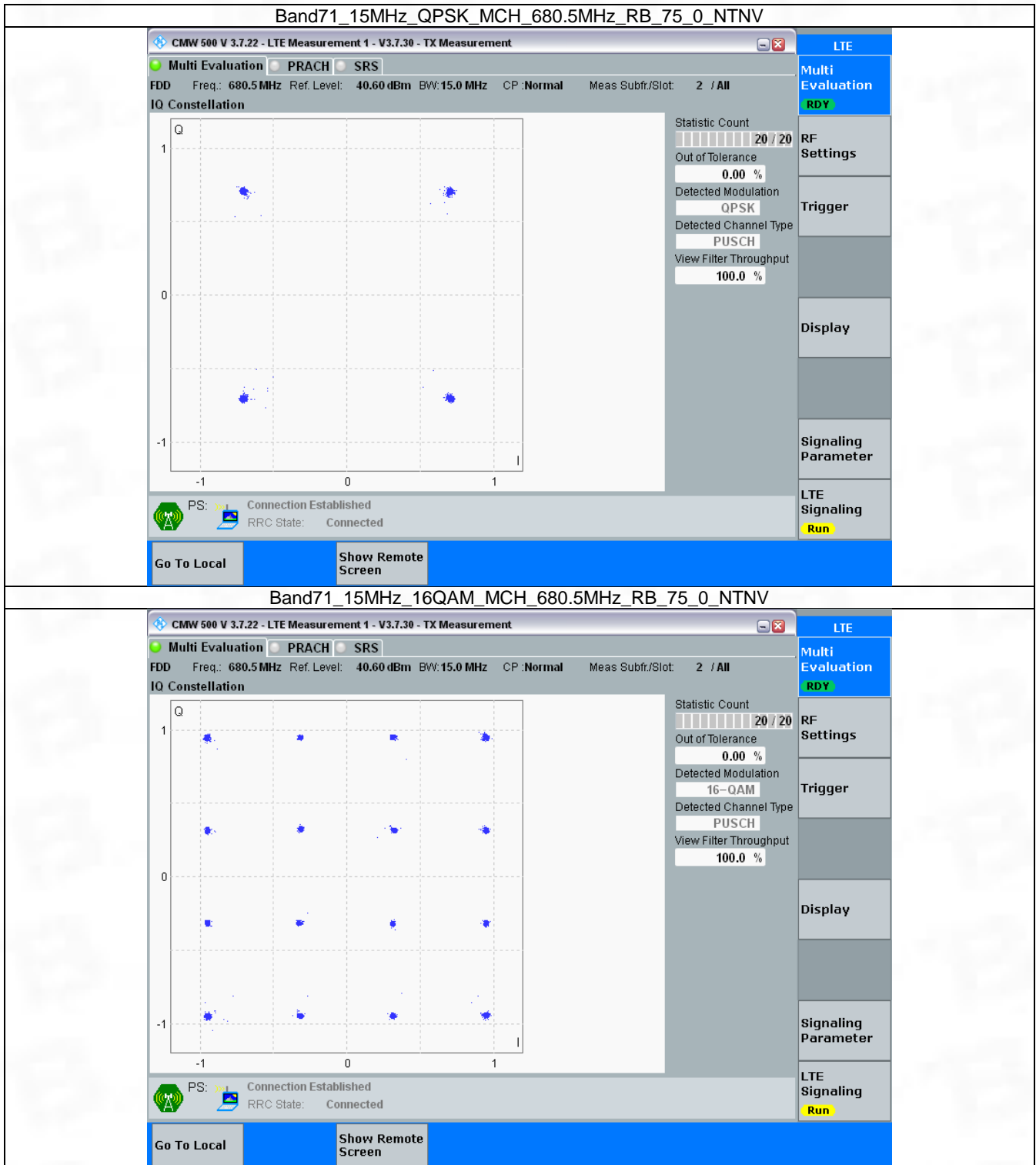


3.3 B71_15MHz

3.3.1 Test Result

| Band: 71 / Bandwidth: 15MHz / NTV | | | | | | |
|-----------------------------------|-----------------|---------------|--------|----------------------------|-------|---------|
| Modulation | Frequency (MHz) | RB Allocation | | Modulation Characteristics | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 680.5 | 75 | 0 | Refer To Test Graph | | Pass |
| 16QAM | 680.5 | 75 | 0 | Refer To Test Graph | | Pass |

3.3.2 Test Graph

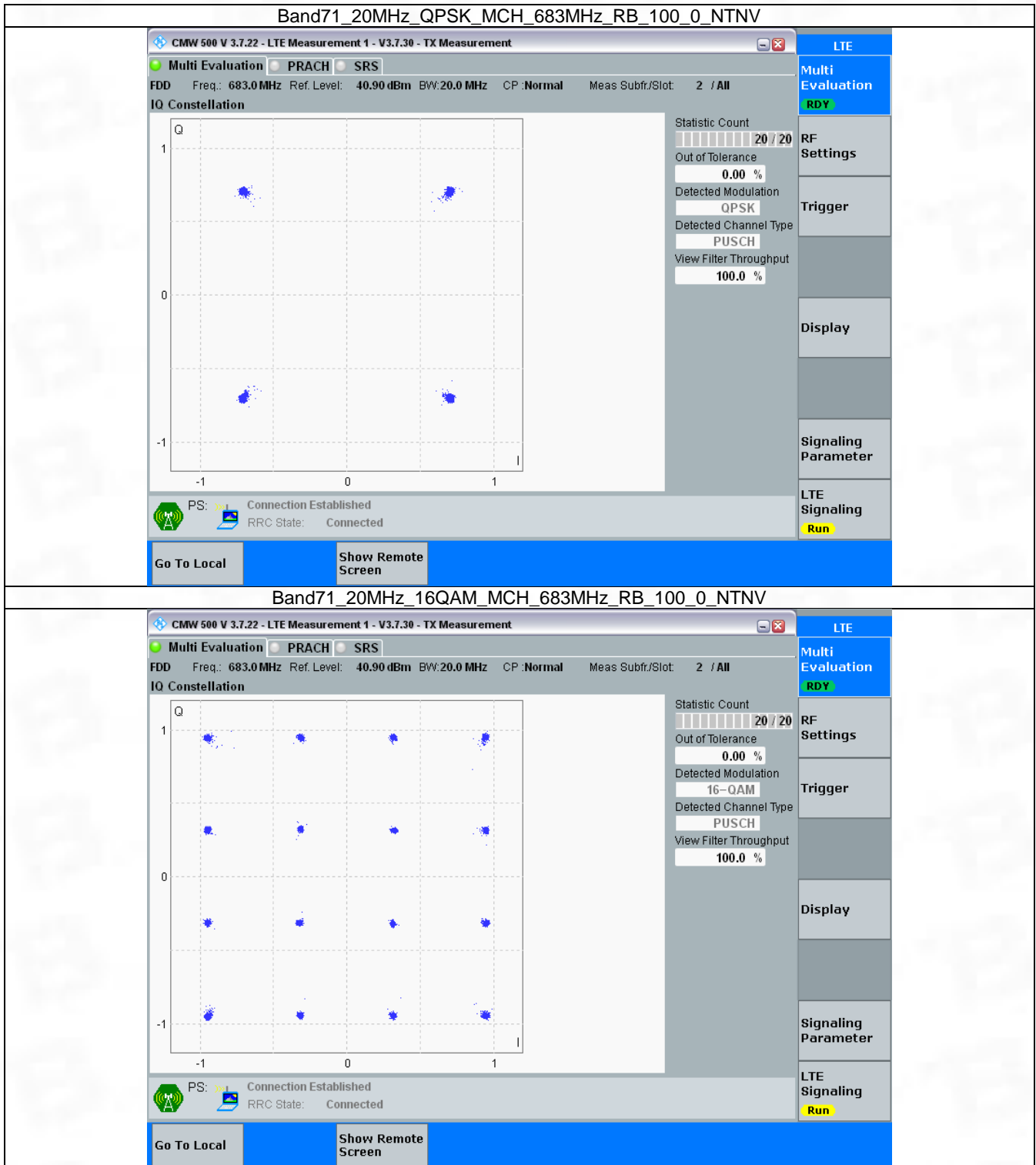


3.4 B71_20MHz

3.4.1 Test Result

| Band: 71 / Bandwidth: 20MHz / NTV | | | | | | |
|-----------------------------------|-----------------|---------------|--------|----------------------------|-------|---------|
| Modulation | Frequency (MHz) | RB Allocation | | Modulation Characteristics | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 683 | 100 | 0 | Refer To Test Graph | | Pass |
| 16QAM | 683 | 100 | 0 | Refer To Test Graph | | Pass |

3.4.2 Test Graph



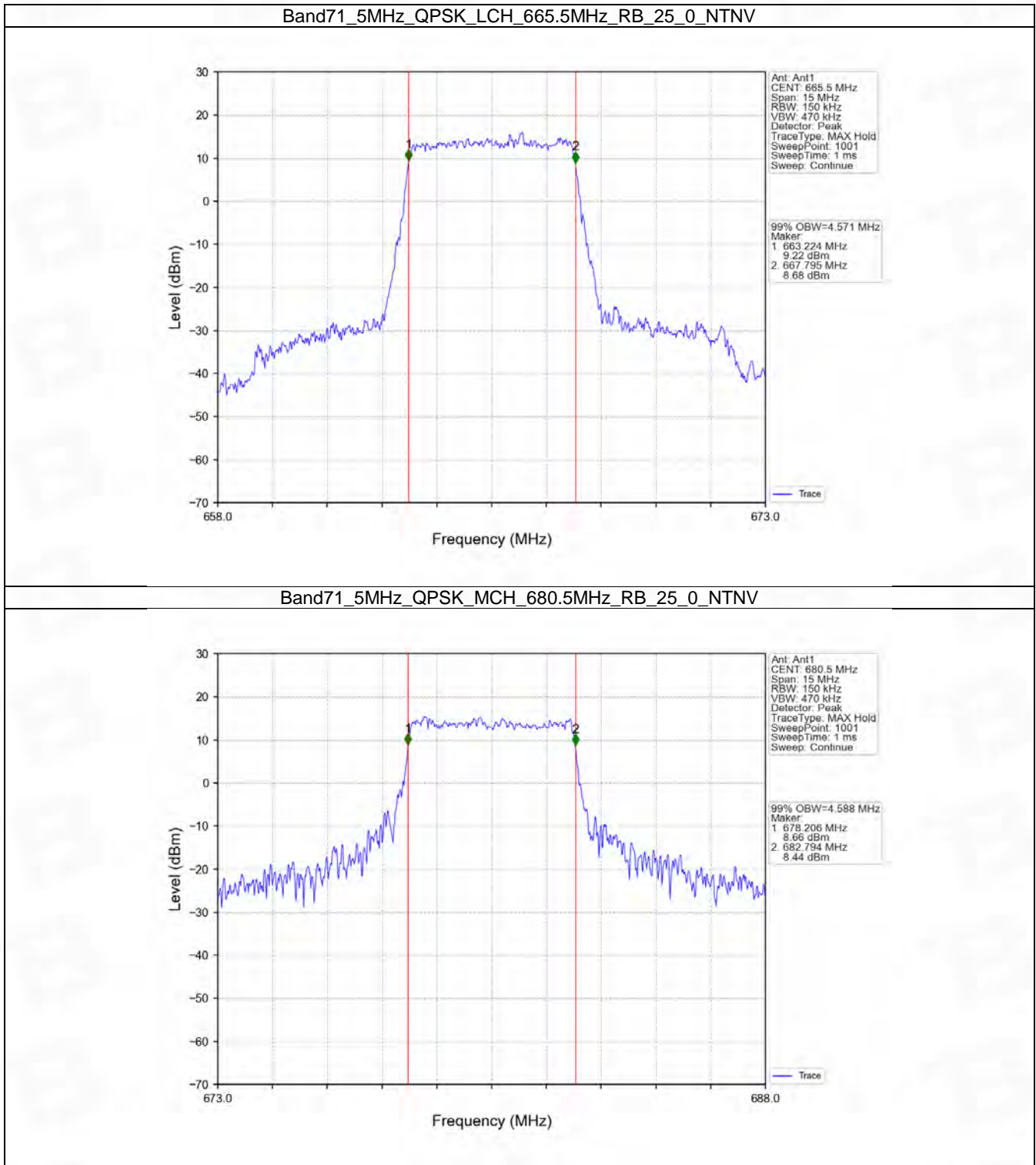
4. 99% & 26dB Bandwidth

4.1 Band71_OBW

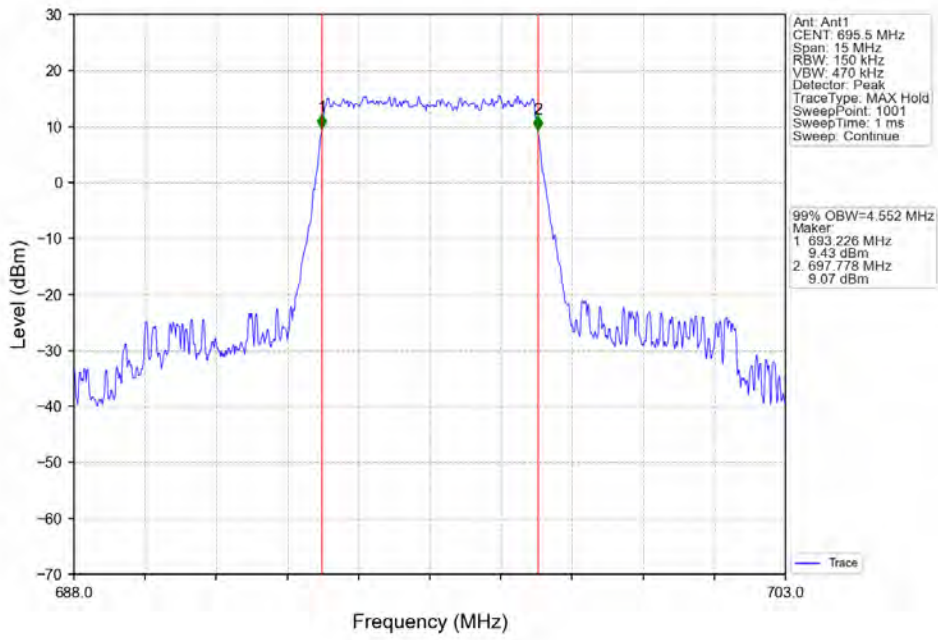
4.1.1 Test Result

| Band: 71 / NTNV | | | | | | | |
|-----------------|------------|-----------------|---------------|--------|------------------------------|-------|---------|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation | | 99% Occupied Bandwidth (MHz) | | Verdict |
| | | | Size | Offset | Result | Limit | |
| 5 | QPSK | 665.5 | 25 | 0 | 4.571 | / | Pass |
| | | 680.5 | 25 | 0 | 4.588 | / | Pass |
| | | 695.5 | 25 | 0 | 4.552 | / | Pass |
| | 16QAM | 665.5 | 25 | 0 | 4.543 | / | Pass |
| | | 680.5 | 25 | 0 | 4.622 | / | Pass |
| | | 695.5 | 25 | 0 | 4.577 | / | Pass |
| 10 | QPSK | 668 | 50 | 0 | 9.071 | / | Pass |
| | | 680.5 | 50 | 0 | 9.075 | / | Pass |
| | | 693 | 50 | 0 | 9.090 | / | Pass |
| | 16QAM | 668 | 50 | 0 | 9.055 | / | Pass |
| | | 680.5 | 50 | 0 | 9.057 | / | Pass |
| | | 693 | 50 | 0 | 9.060 | / | Pass |
| 15 | QPSK | 670.5 | 75 | 0 | 13.626 | / | Pass |
| | | 680.5 | 75 | 0 | 13.623 | / | Pass |
| | | 690.5 | 75 | 0 | 13.644 | / | Pass |
| | 16QAM | 670.5 | 75 | 0 | 13.668 | / | Pass |
| | | 680.5 | 75 | 0 | 13.657 | / | Pass |
| | | 690.5 | 75 | 0 | 13.633 | / | Pass |
| 20 | QPSK | 673 | 100 | 0 | 18.139 | / | Pass |
| | | 683 | 100 | 0 | 18.177 | / | Pass |
| | | 688 | 100 | 0 | 18.147 | / | Pass |
| | 16QAM | 673 | 100 | 0 | 18.128 | / | Pass |
| | | 683 | 100 | 0 | 18.078 | / | Pass |
| | | 688 | 100 | 0 | 18.172 | / | Pass |

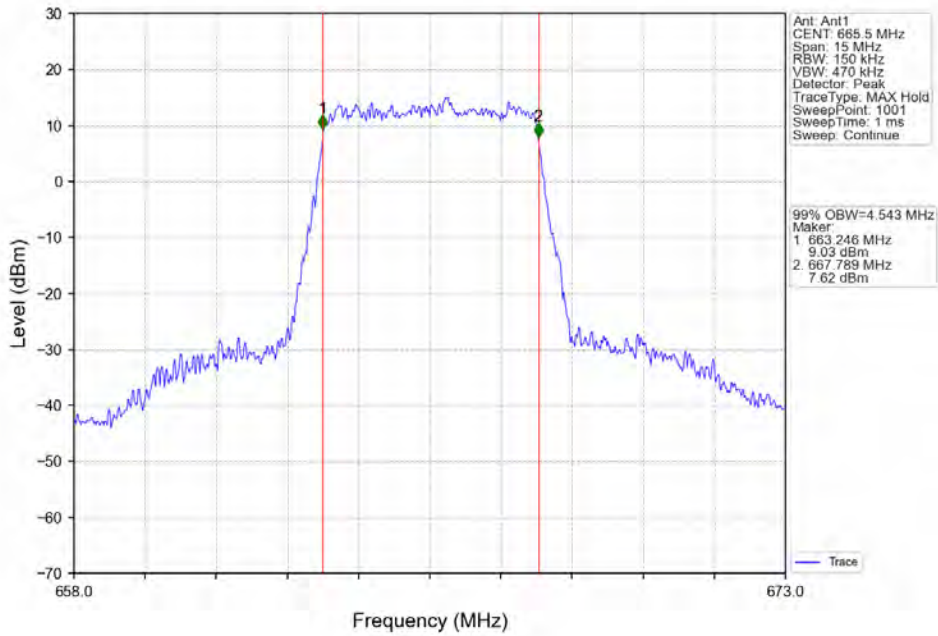
4.1.2 Test Graph



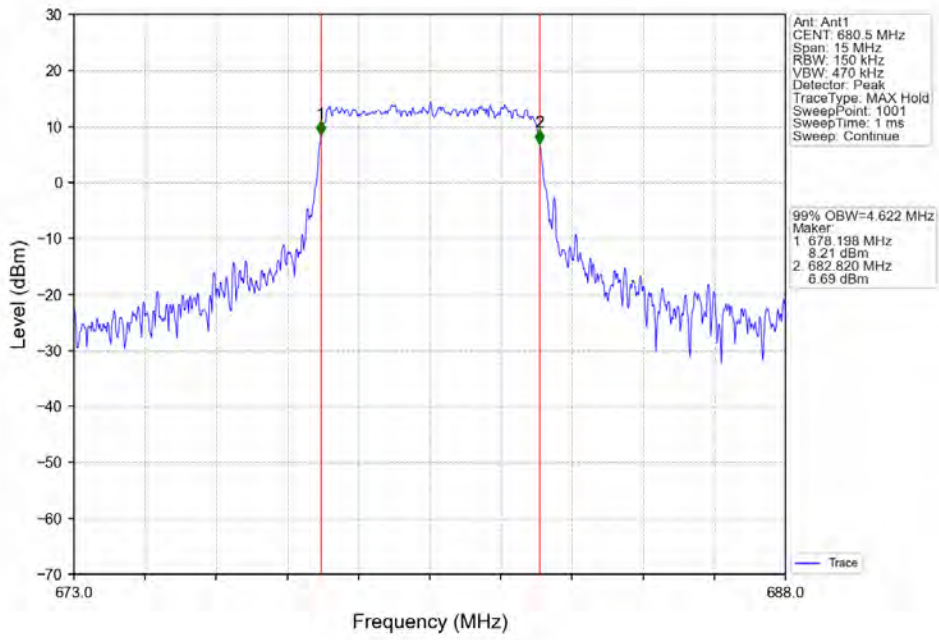
Band71_5MHz_QPSK_HCH_695.5MHz_RB_25_0_NTNV



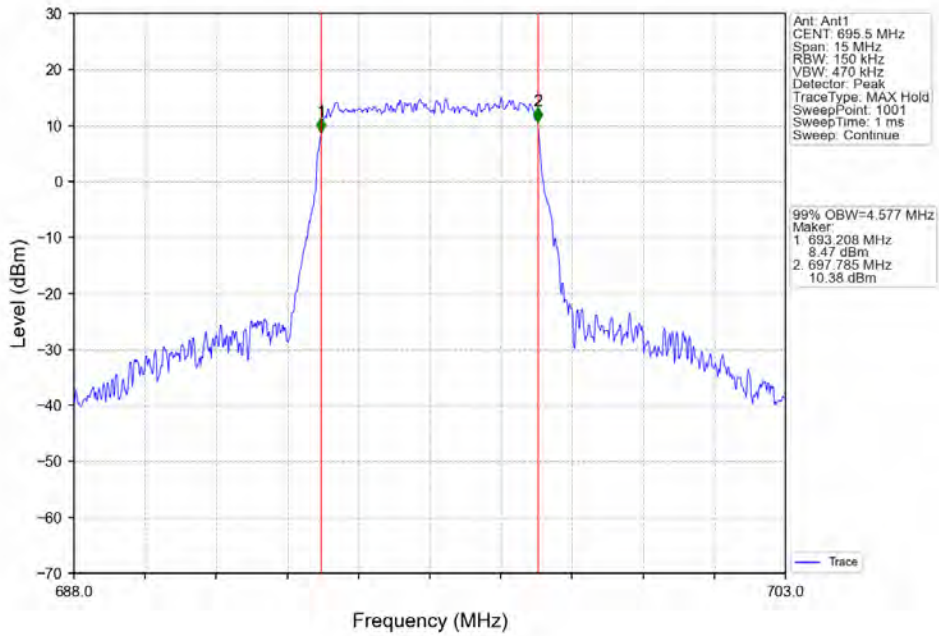
Band71_5MHz_16QAM_LCH_665.5MHz_RB_25_0_NTNV



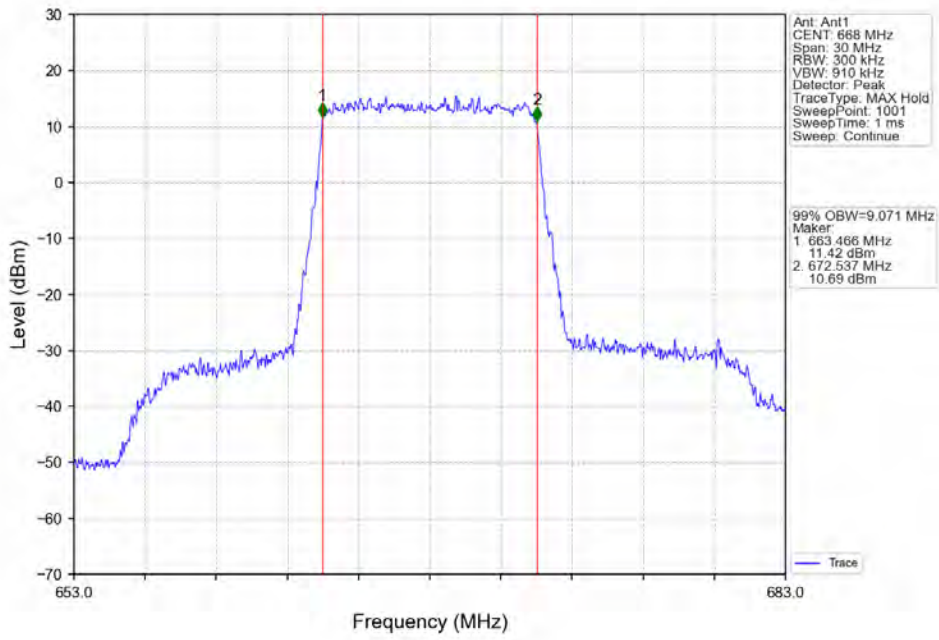
Band71_5MHz_16QAM_MCH_680.5MHz_RB_25_0_NTNV



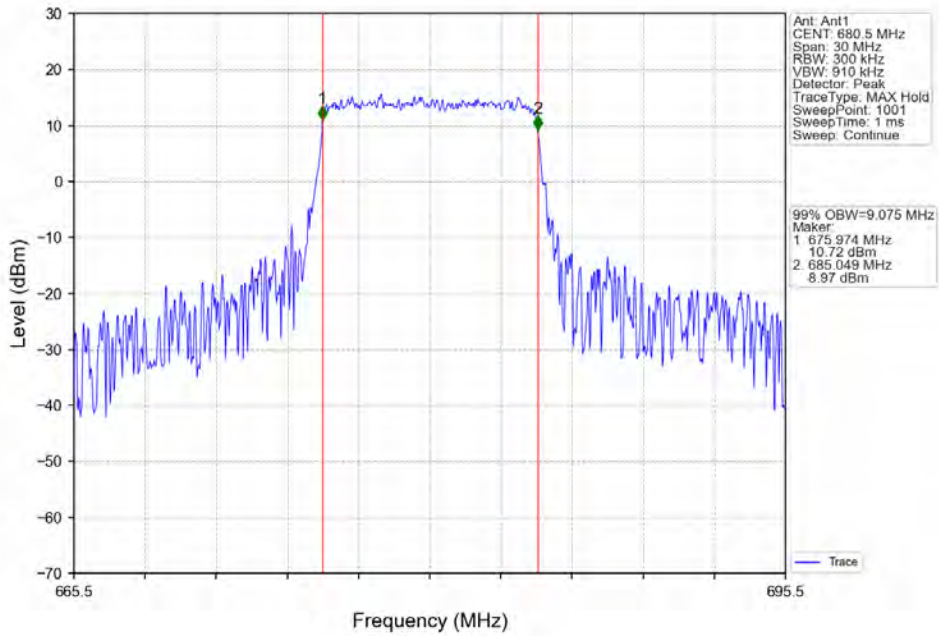
Band71_5MHz_16QAM_HCH_695.5MHz_RB_25_0_NTNV



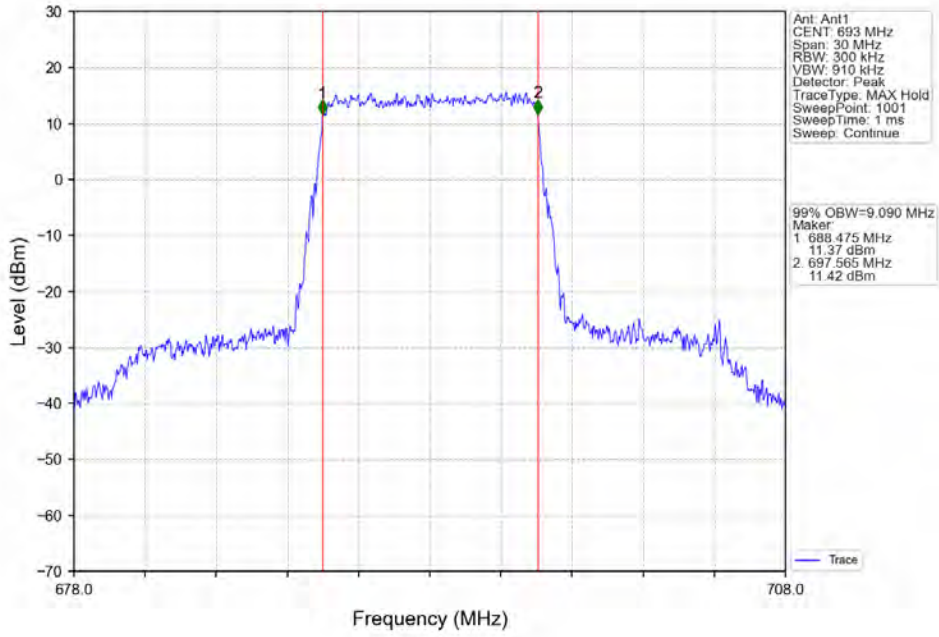
Band71_10MHz_QPSK_LCH_668MHz_RB_50_0_NTNV



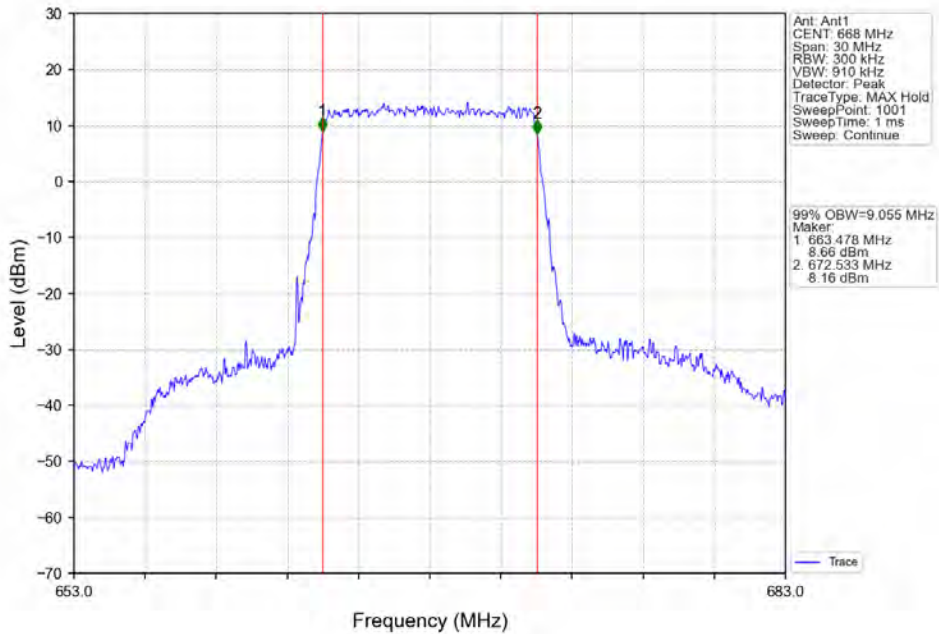
Band71_10MHz_QPSK_MCH_680.5MHz_RB_50_0_NTNV



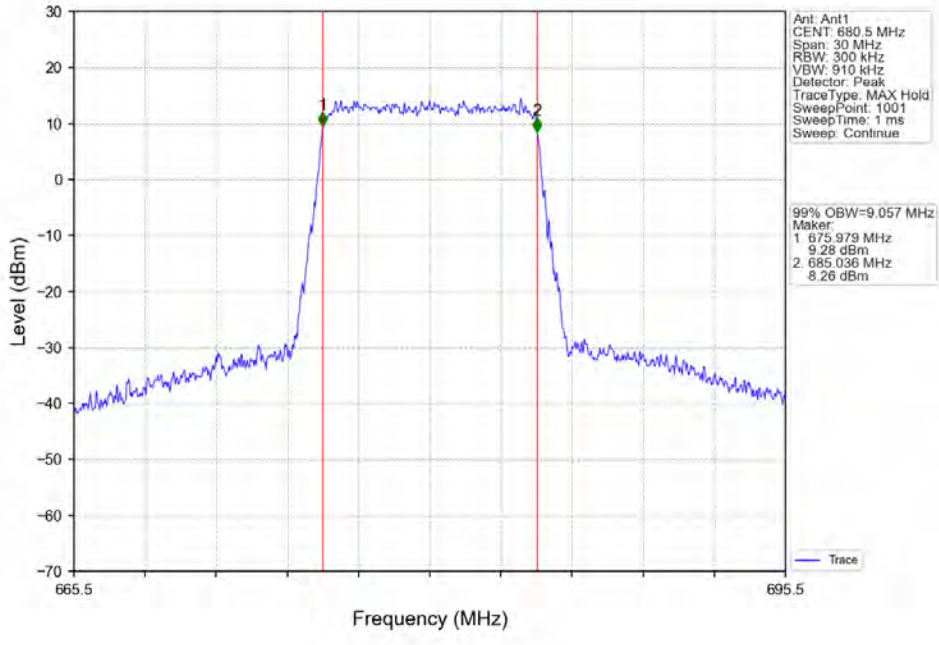
Band71_10MHz_QPSK_HCH_693MHz_RB_50_0_NTNV



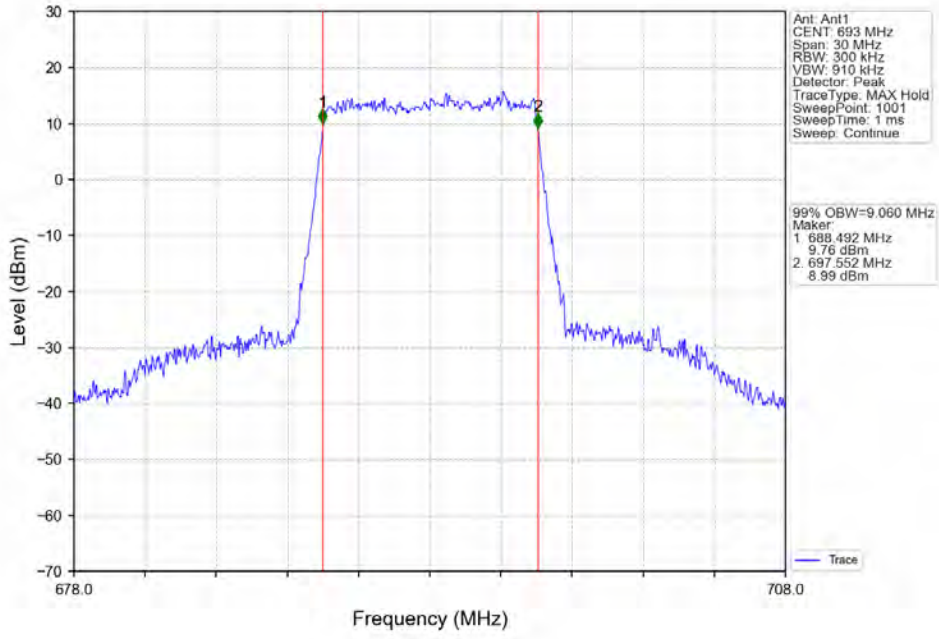
Band71_10MHz_16QAM_LCH_668MHz_RB_50_0_NTNV



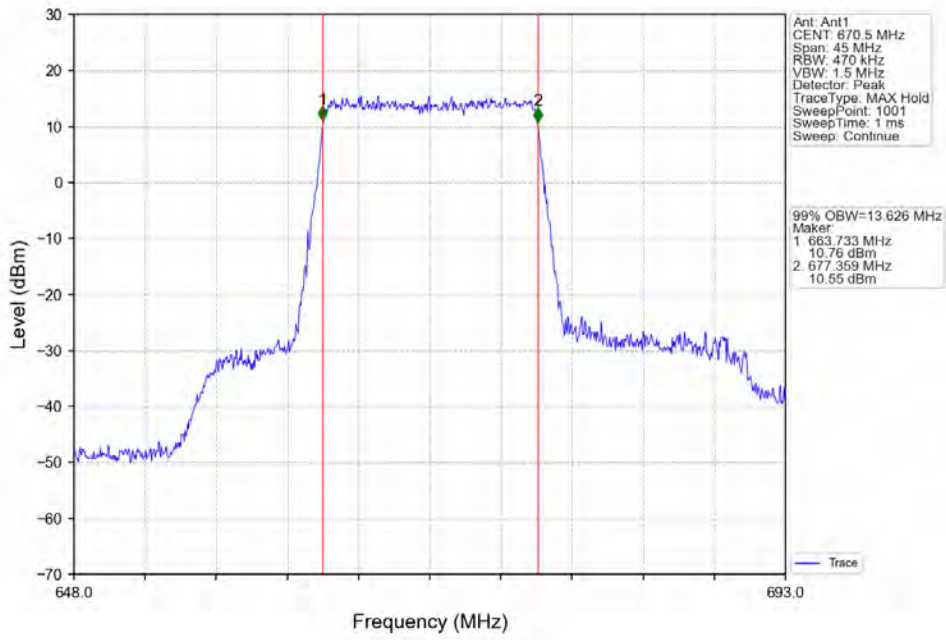
Band71_10MHz_16QAM_MCH_680.5MHz_RB_50_0_NTNV



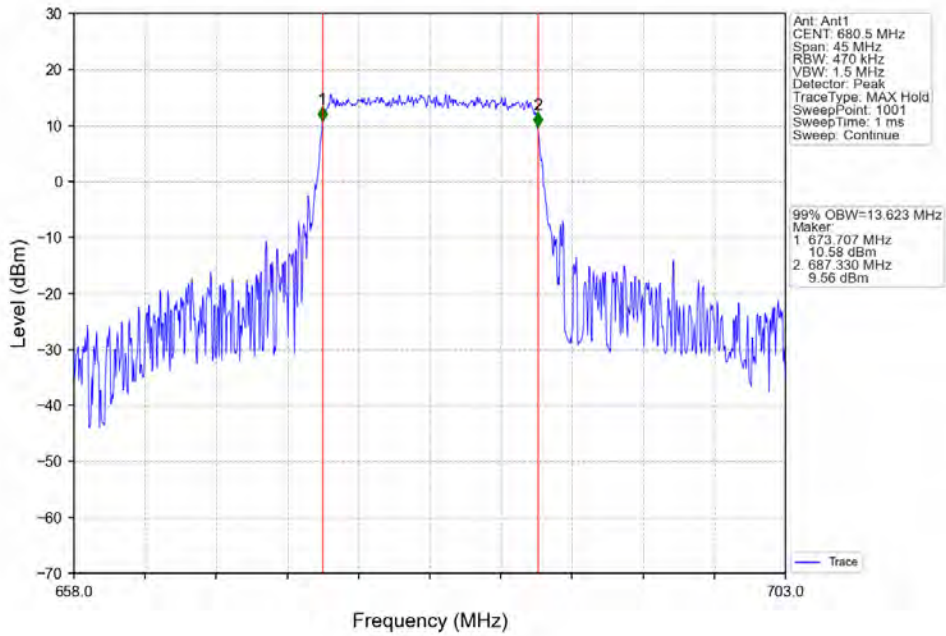
Band71_10MHz_16QAM_HCH_693MHz_RB_50_0_NTNV



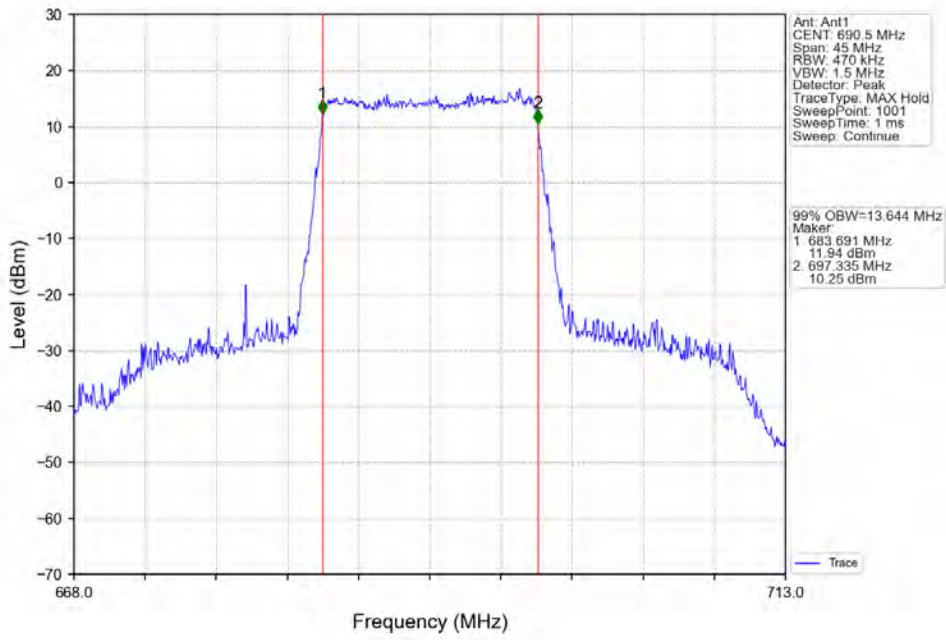
Band71_15MHz_QPSK_LCH_670.5MHz_RB_75_0_NTNV



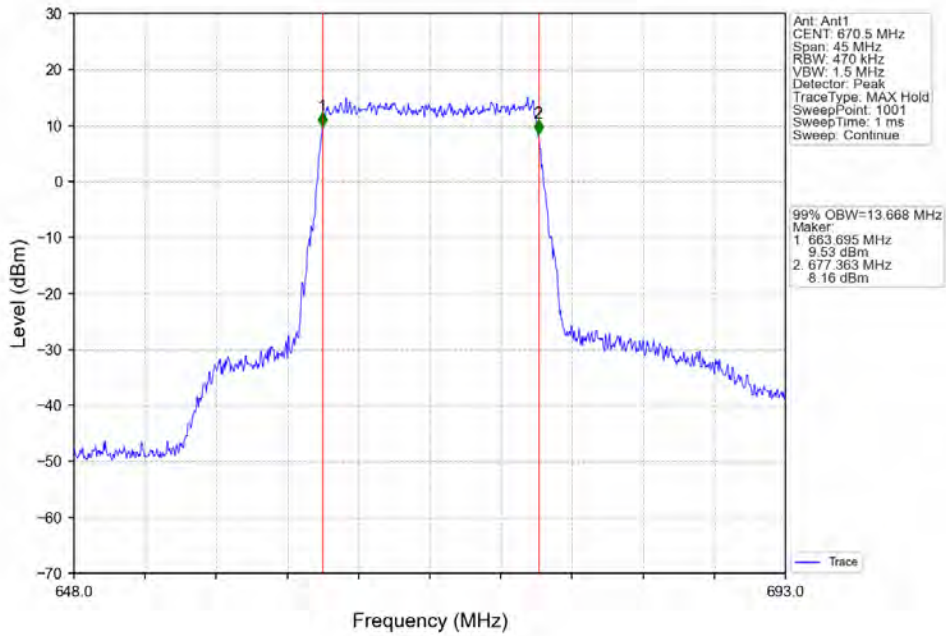
Band71_15MHz_QPSK_MCH_680.5MHz_RB_75_0_NTNV



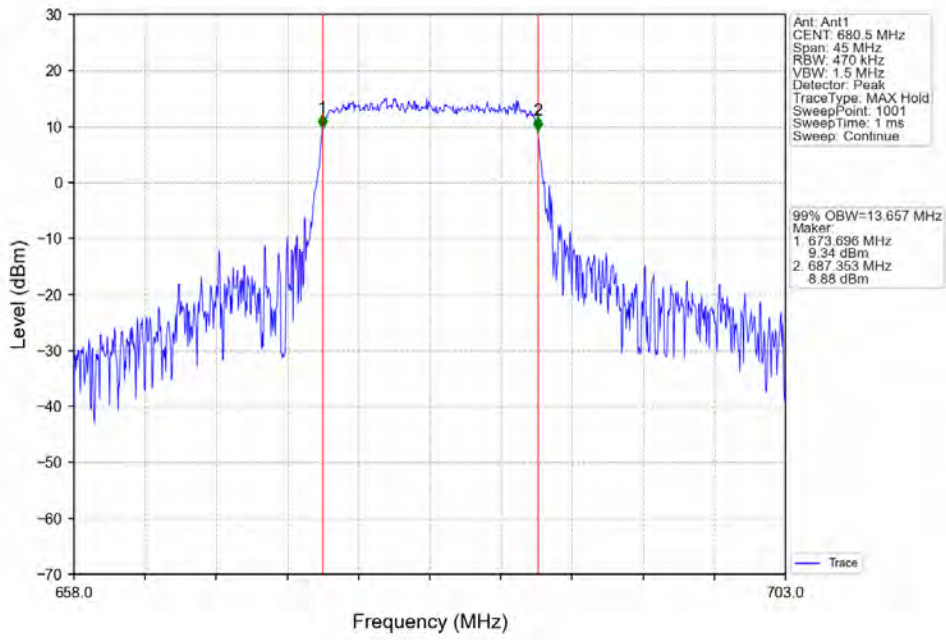
Band71_15MHz_QPSK_HCH_690.5MHz_RB_75_0_NTNV



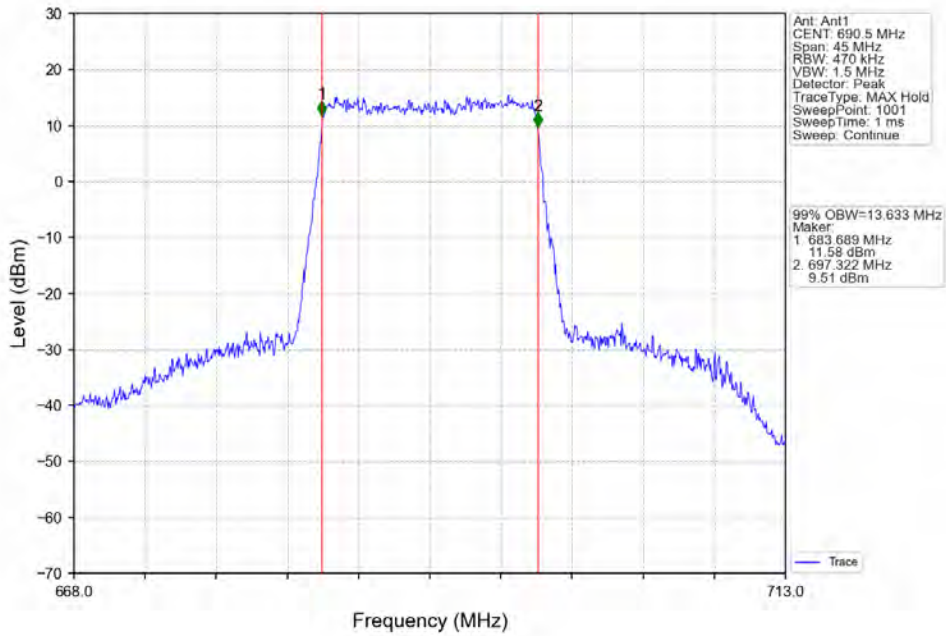
Band71_15MHz_16QAM_LCH_670.5MHz_RB_75_0_NTNV



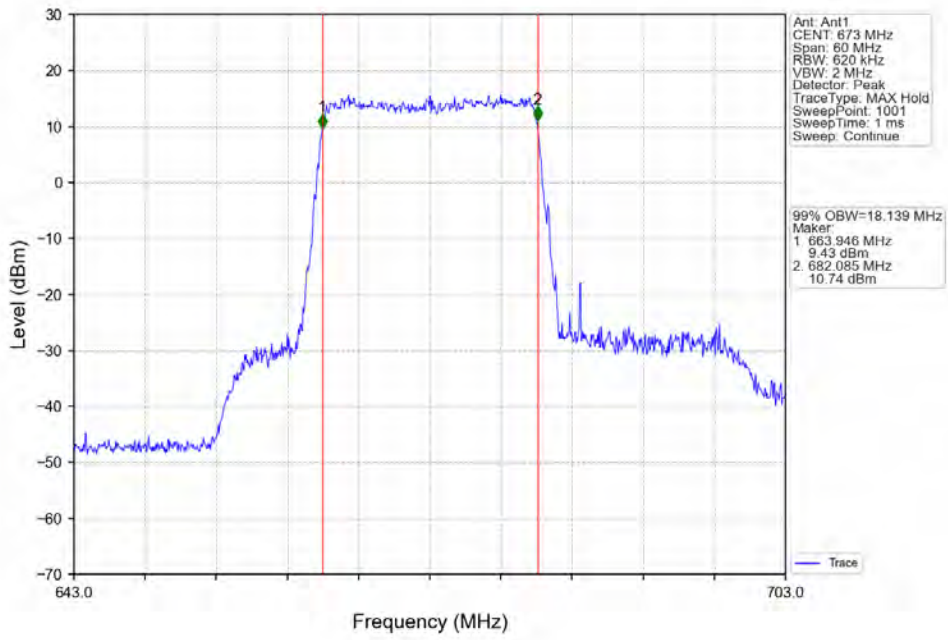
Band71_15MHz_16QAM_MCH_680.5MHz_RB_75_0_NTNV



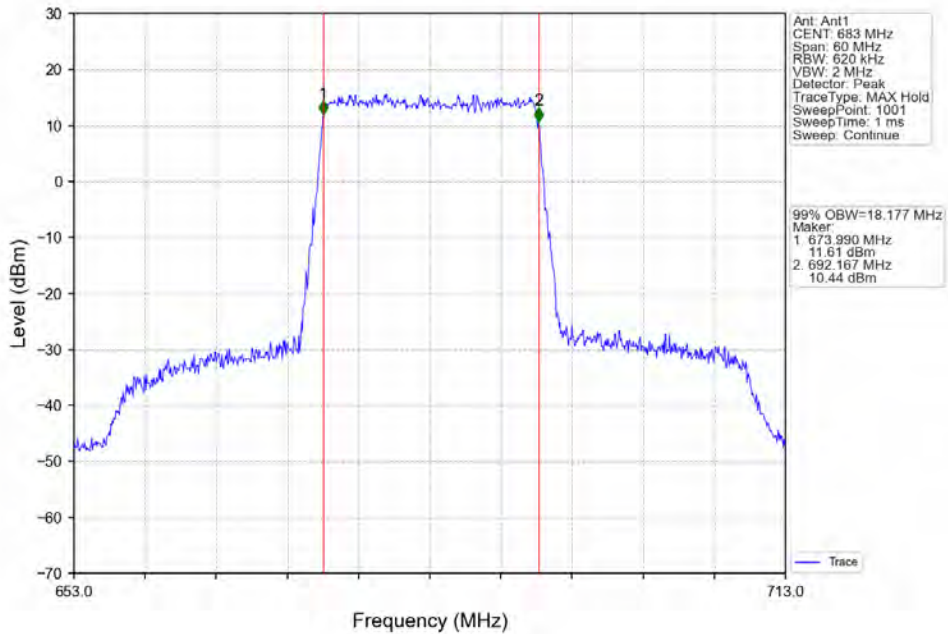
Band71_15MHz_16QAM_HCH_690.5MHz_RB_75_0_NTNV



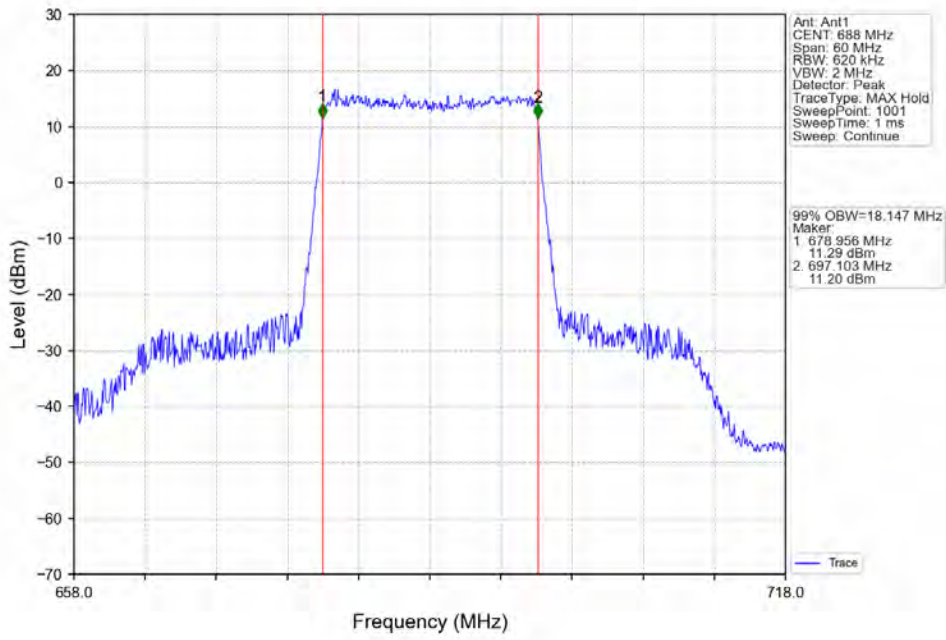
Band71_20MHz_QPSK_LCH_673MHz_RB_100_0_NTNV



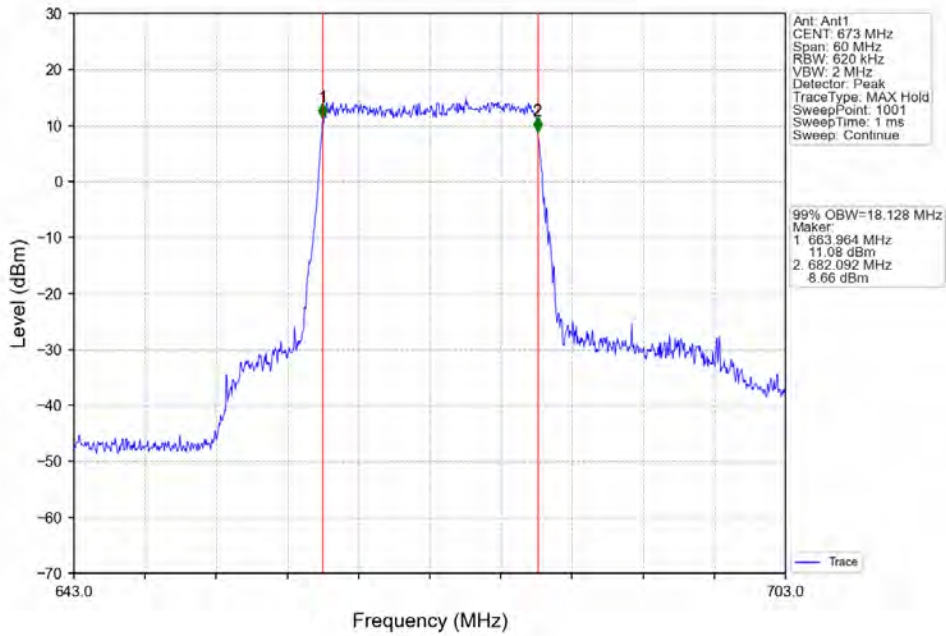
Band71_20MHz_QPSK_MCH_683MHz_RB_100_0_NTNV



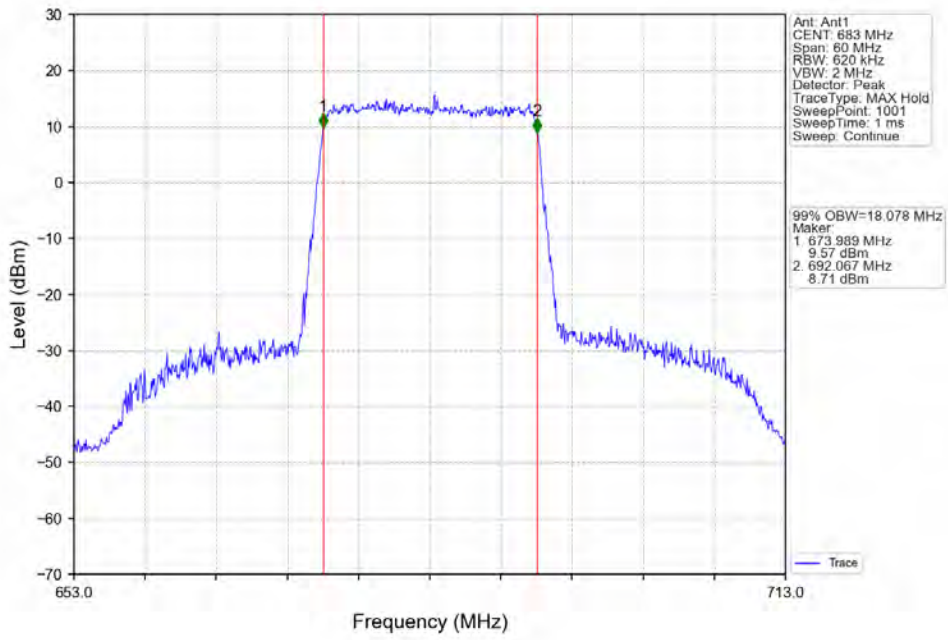
Band71_20MHz_QPSK_HCH_688MHz_RB_100_0_NTNV



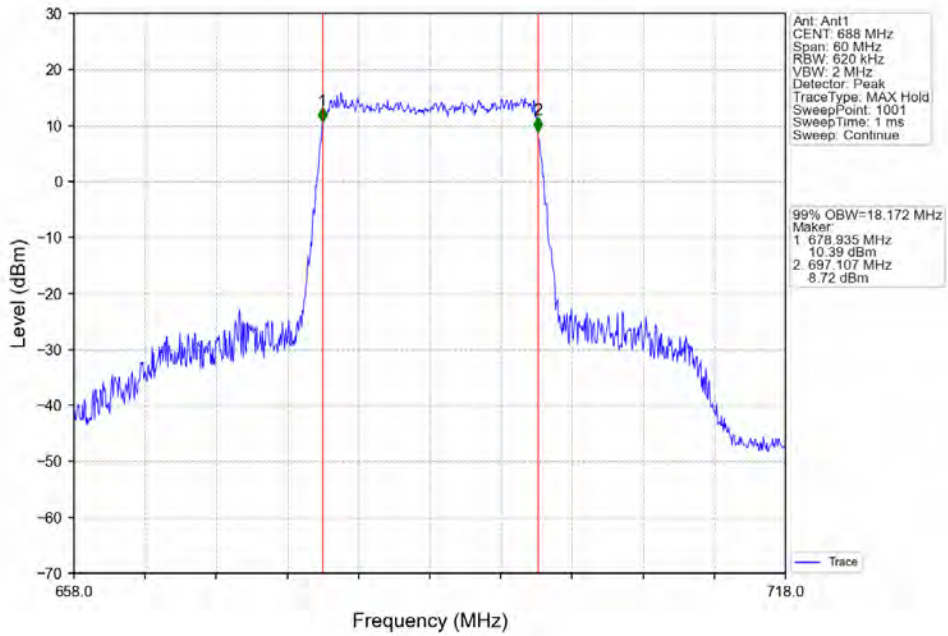
Band71_20MHz_16QAM_LCH_673MHz_RB_100_0_NTNV



Band71_20MHz_16QAM_MCH_683MHz_RB_100_0_NTNV



Band71_20MHz_16QAM_HCH_688MHz_RB_100_0_NTNV

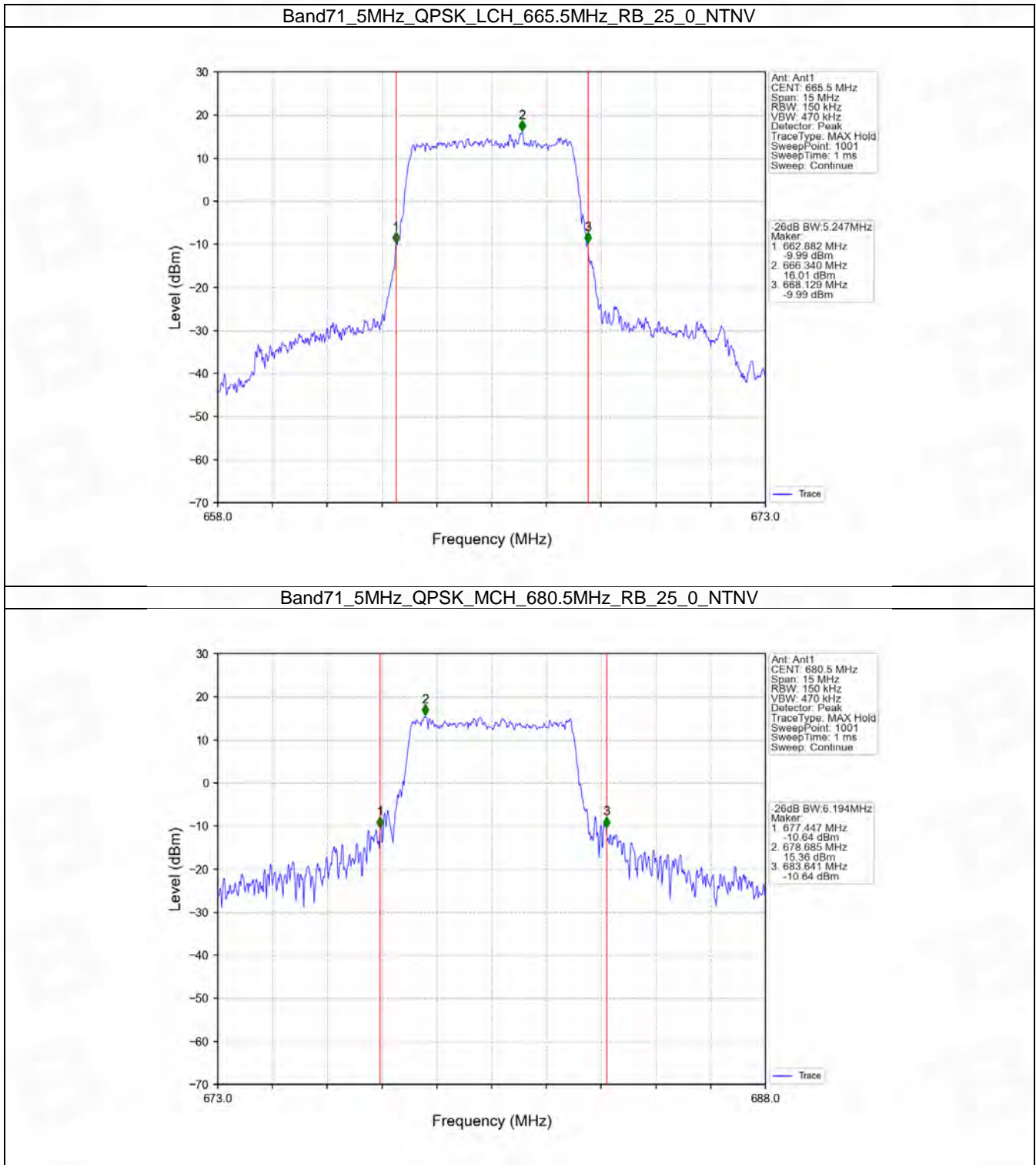


4.2 Band71_XDB

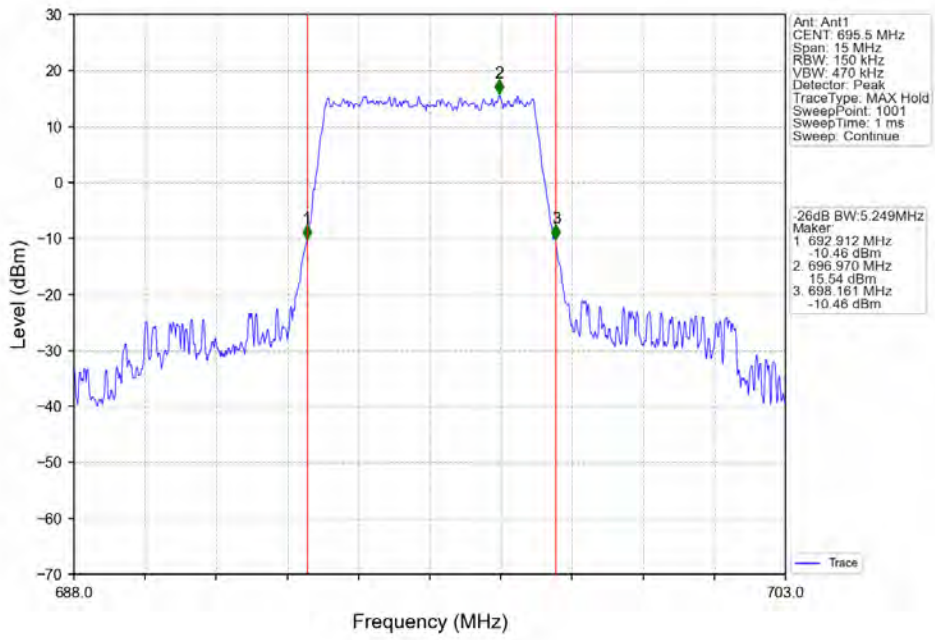
4.2.1 Test Result

| Band: 71 / NTNV | | | | | | | |
|-----------------|------------|-----------------|---------------|--------|----------------------|-------|---------|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation | | 26dB Bandwidth (MHz) | | Verdict |
| | | | Size | Offset | Result | Limit | |
| 5 | QPSK | 665.5 | 25 | 0 | 5.247 | / | Pass |
| | | 680.5 | 25 | 0 | 6.194 | / | Pass |
| | | 695.5 | 25 | 0 | 5.249 | / | Pass |
| | 16QAM | 665.5 | 25 | 0 | 5.215 | / | Pass |
| | | 680.5 | 25 | 0 | 6.211 | / | Pass |
| | | 695.5 | 25 | 0 | 5.285 | / | Pass |
| 10 | QPSK | 668 | 50 | 0 | 10.238 | / | Pass |
| | | 680.5 | 50 | 0 | 11.280 | / | Pass |
| | | 693 | 50 | 0 | 10.453 | / | Pass |
| | 16QAM | 668 | 50 | 0 | 10.164 | / | Pass |
| | | 680.5 | 50 | 0 | 10.261 | / | Pass |
| | | 693 | 50 | 0 | 10.221 | / | Pass |
| 15 | QPSK | 670.5 | 75 | 0 | 15.404 | / | Pass |
| | | 680.5 | 75 | 0 | 16.794 | / | Pass |
| | | 690.5 | 75 | 0 | 15.268 | / | Pass |
| | 16QAM | 670.5 | 75 | 0 | 15.408 | / | Pass |
| | | 680.5 | 75 | 0 | 17.959 | / | Pass |
| | | 690.5 | 75 | 0 | 15.402 | / | Pass |
| 20 | QPSK | 673 | 100 | 0 | 20.060 | / | Pass |
| | | 683 | 100 | 0 | 20.068 | / | Pass |
| | | 688 | 100 | 0 | 19.967 | / | Pass |
| | 16QAM | 673 | 100 | 0 | 20.038 | / | Pass |
| | | 683 | 100 | 0 | 20.107 | / | Pass |
| | | 688 | 100 | 0 | 19.943 | / | Pass |

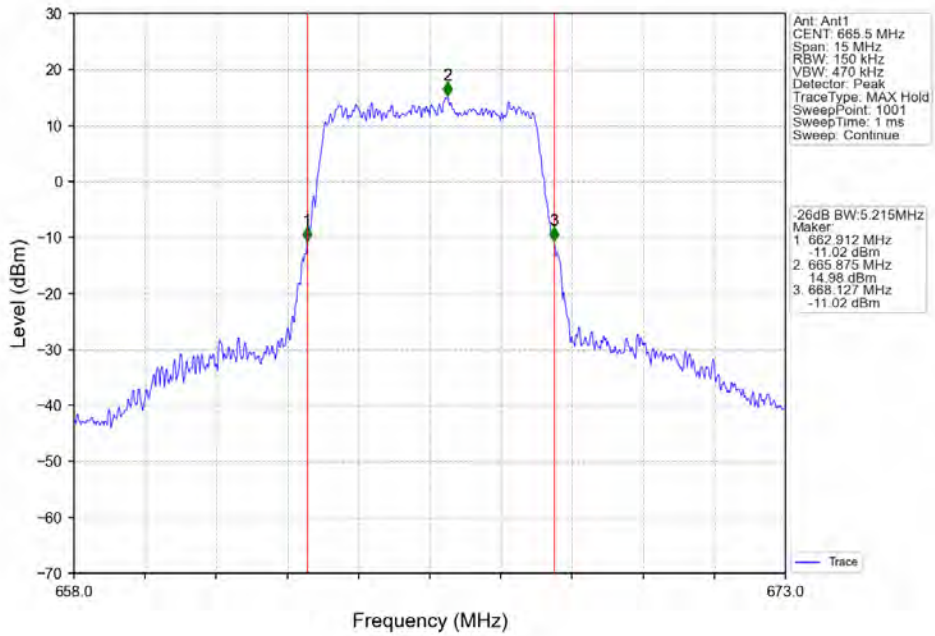
4.2.2 Test Graph



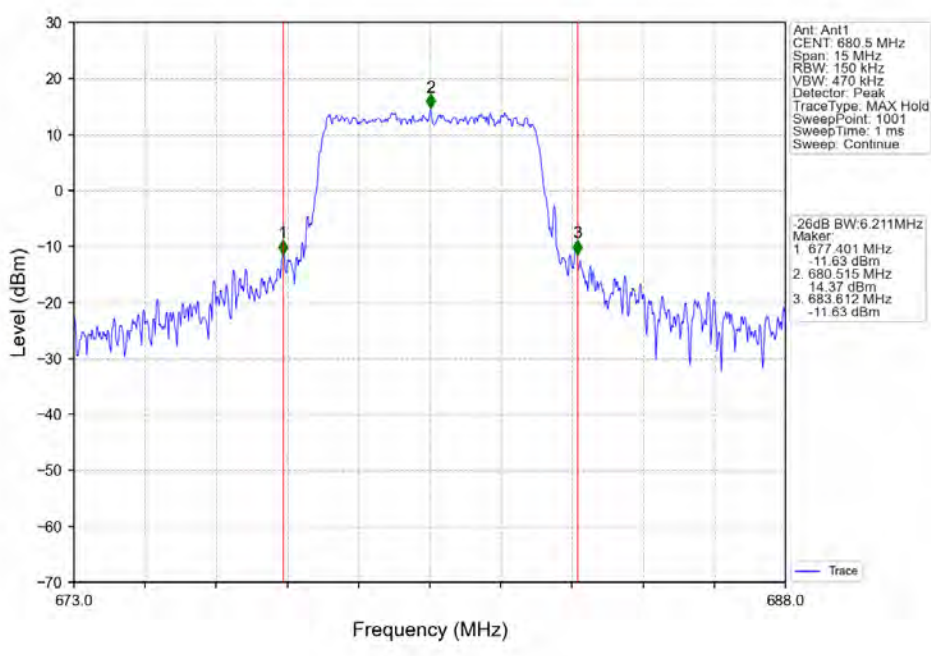
Band71_5MHz_QPSK_HCH_695.5MHz_RB_25_0_NTNV



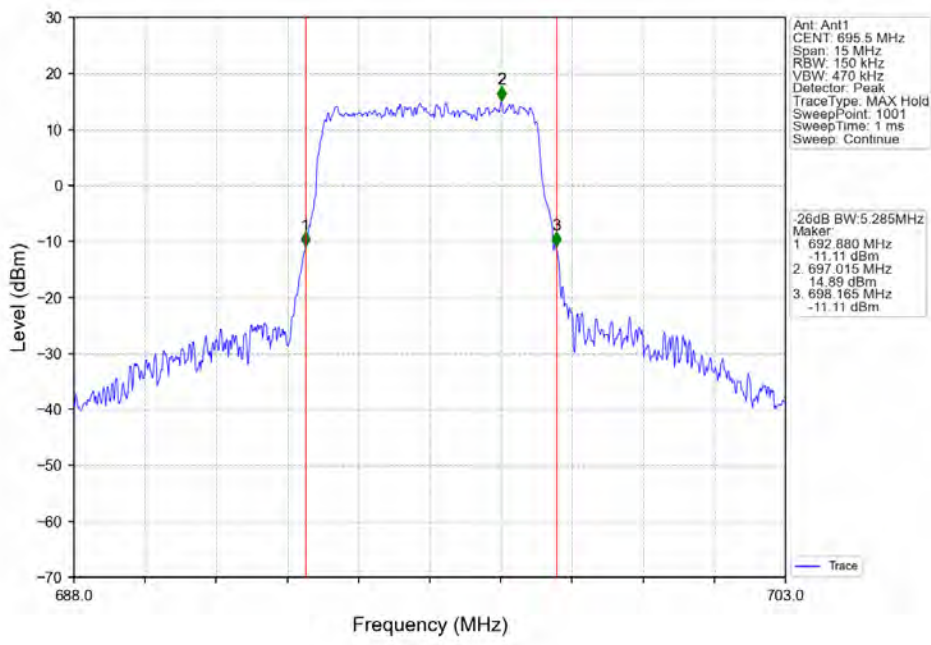
Band71_5MHz_16QAM_LCH_665.5MHz_RB_25_0_NTNV



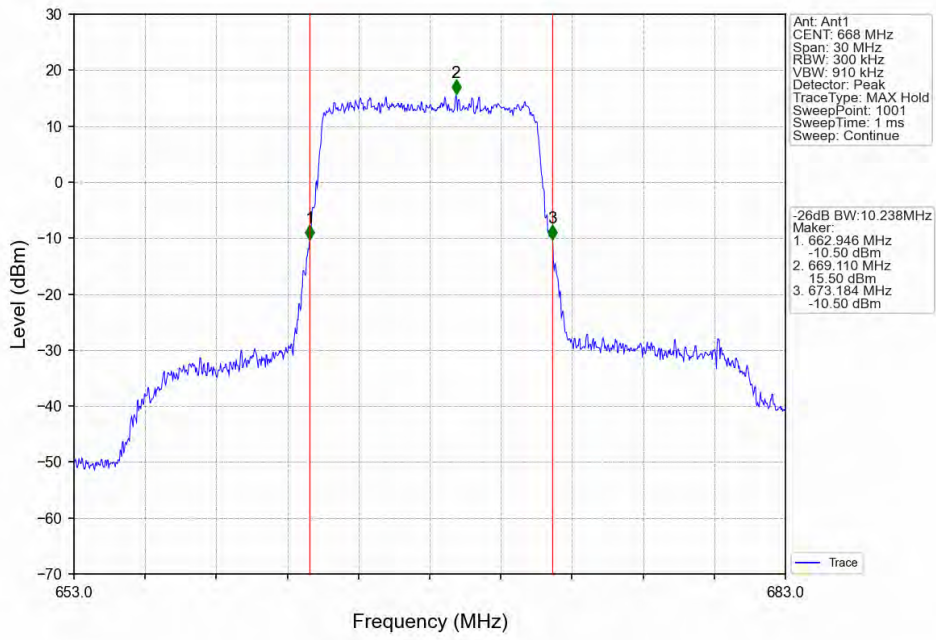
Band71_5MHz_16QAM_MCH_680.5MHz_RB_25_0_NTNV



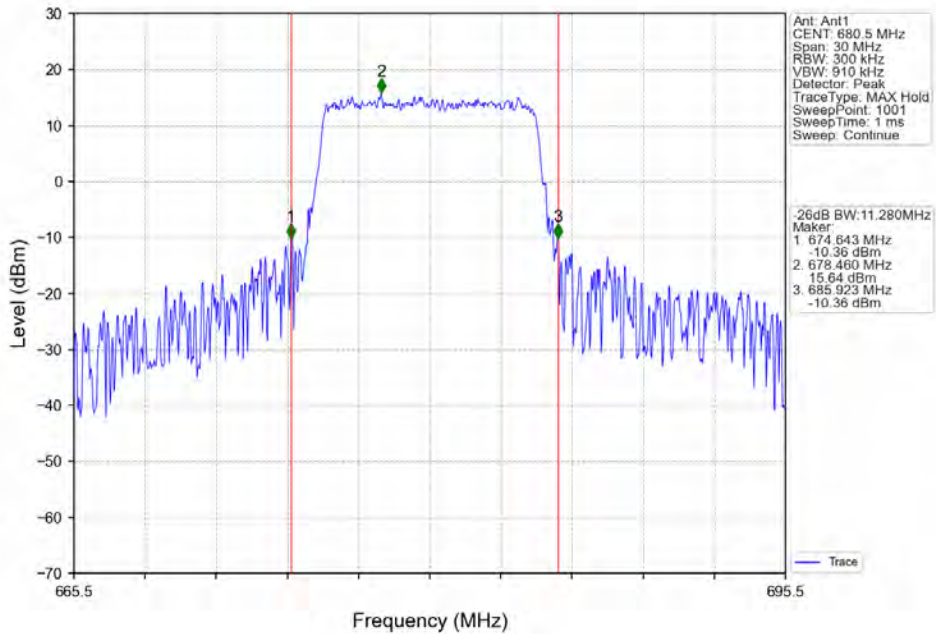
Band71_5MHz_16QAM_HCH_695.5MHz_RB_25_0_NTNV



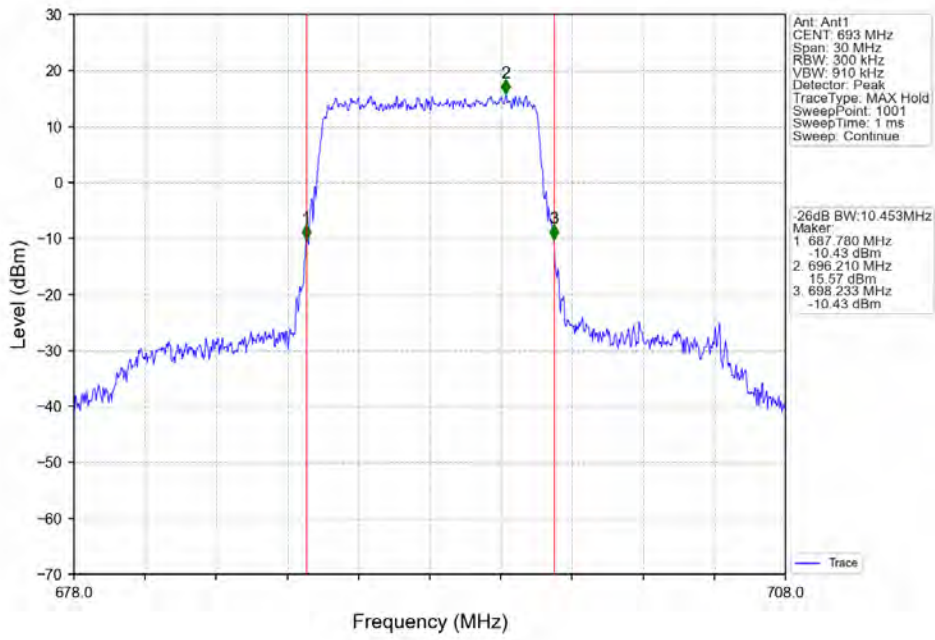
Band71_10MHz_QPSK_LCH_668MHz_RB_50_0_NTNV



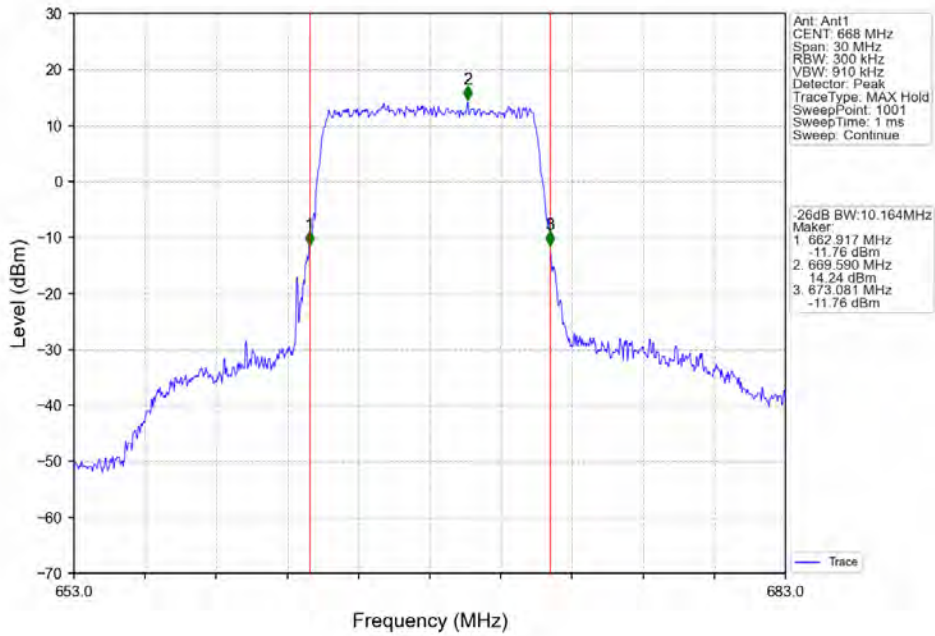
Band71_10MHz_QPSK_MCH_680.5MHz_RB_50_0_NTNV



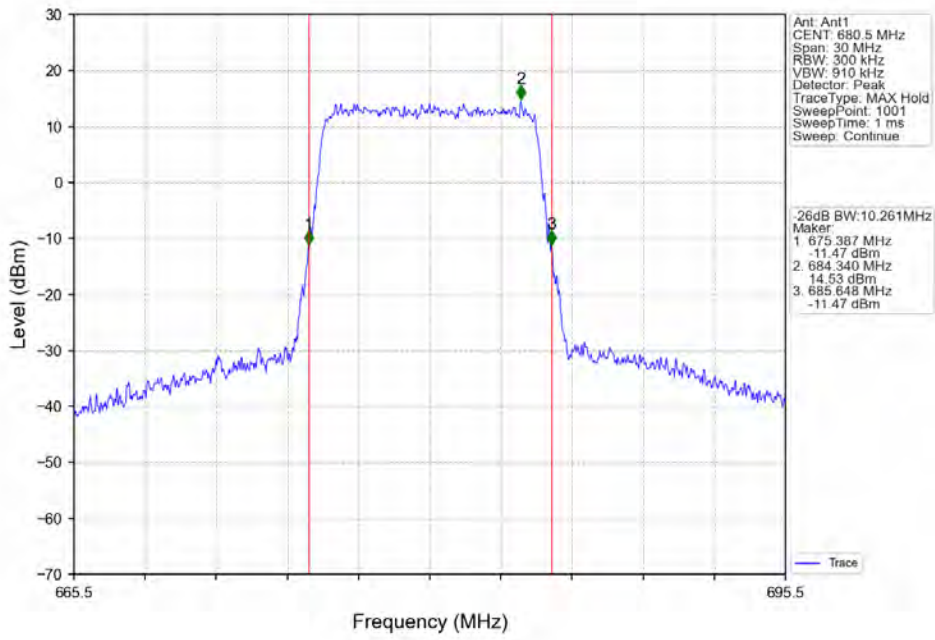
Band71_10MHz_QPSK_HCH_693MHz_RB_50_0_NTNV



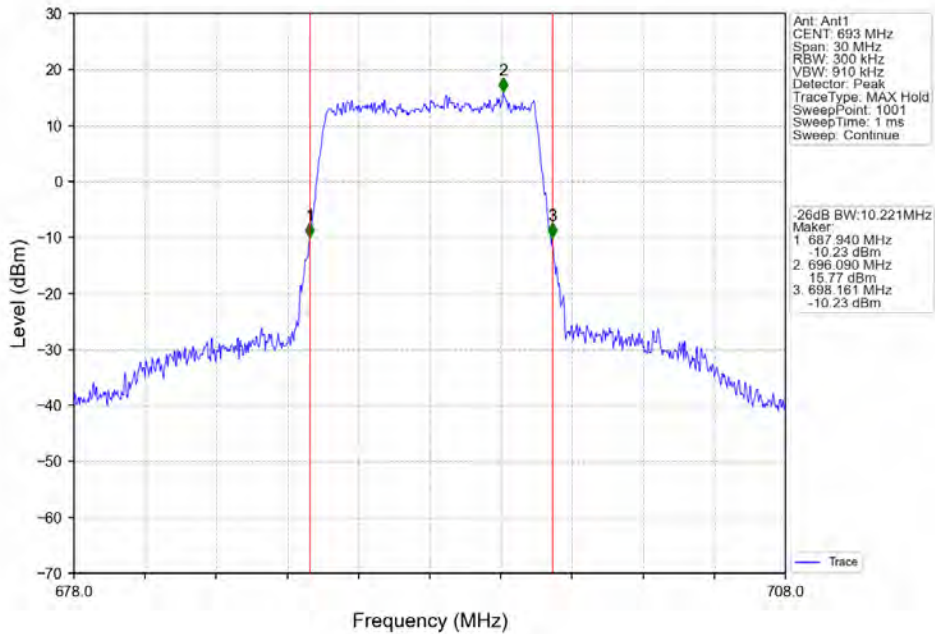
Band71_10MHz_16QAM_LCH_668MHz_RB_50_0_NTNV



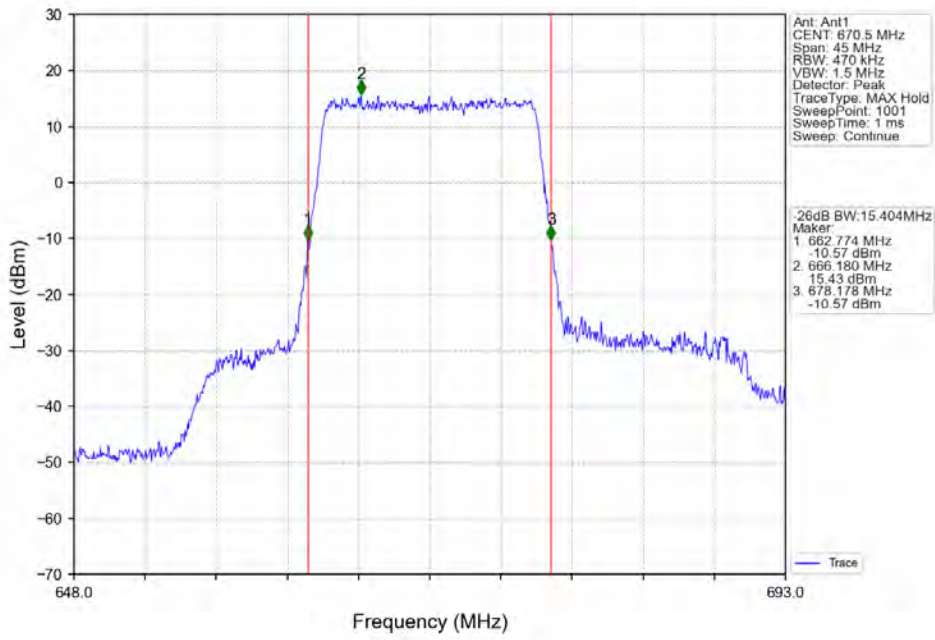
Band71_10MHz_16QAM_MCH_680.5MHz_RB_50_0_NTNV



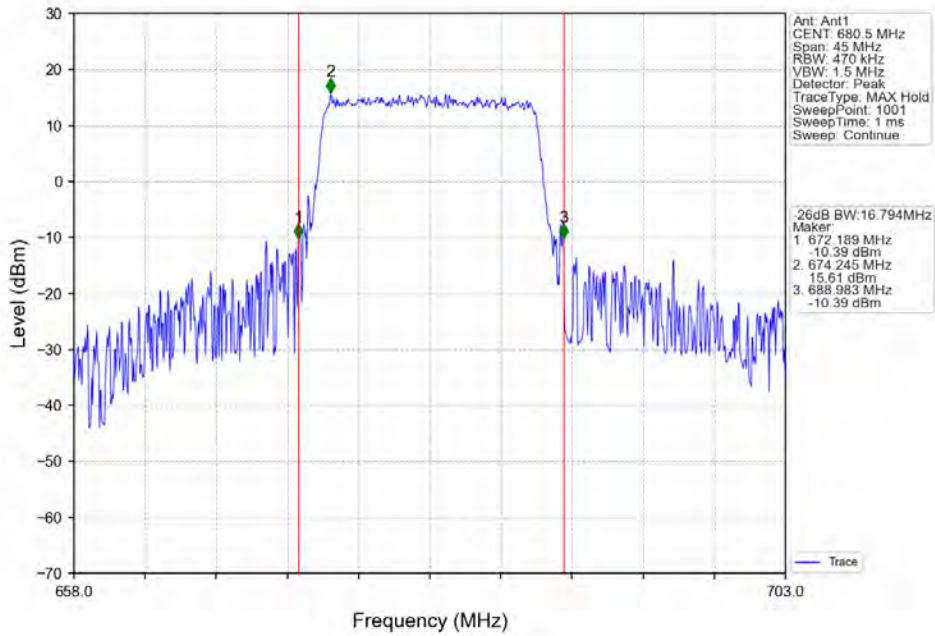
Band71_10MHz_16QAM_HCH_693MHz_RB_50_0_NTNV



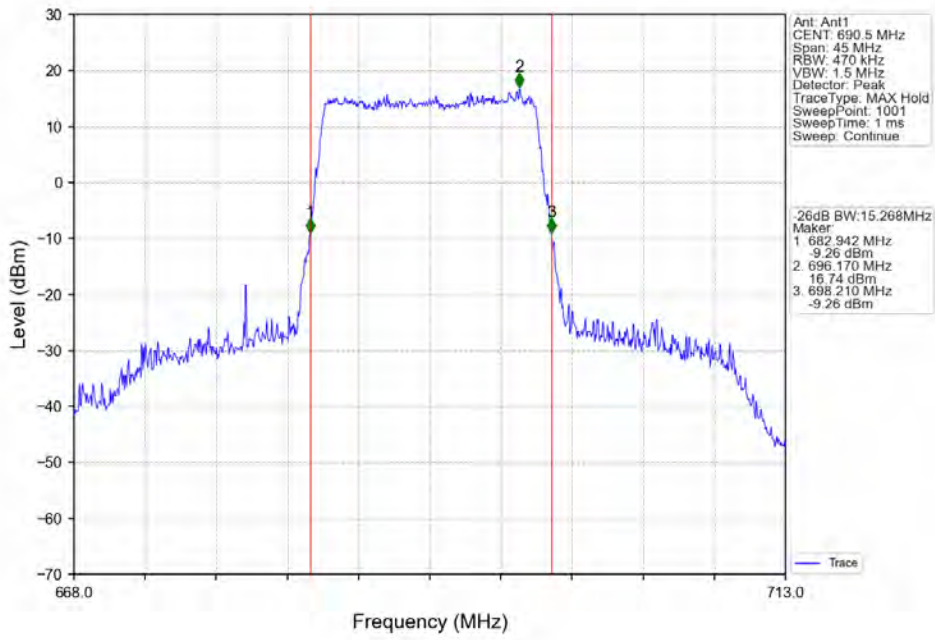
Band71_15MHz_QPSK_LCH_670.5MHz_RB_75_0_NTNV



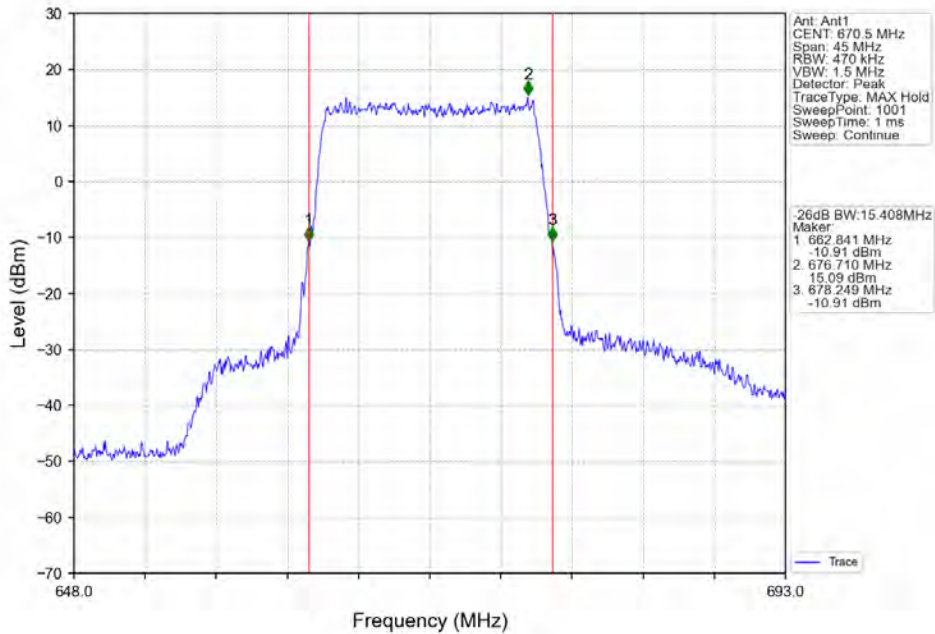
Band71_15MHz_QPSK_MCH_680.5MHz_RB_75_0_NTNV



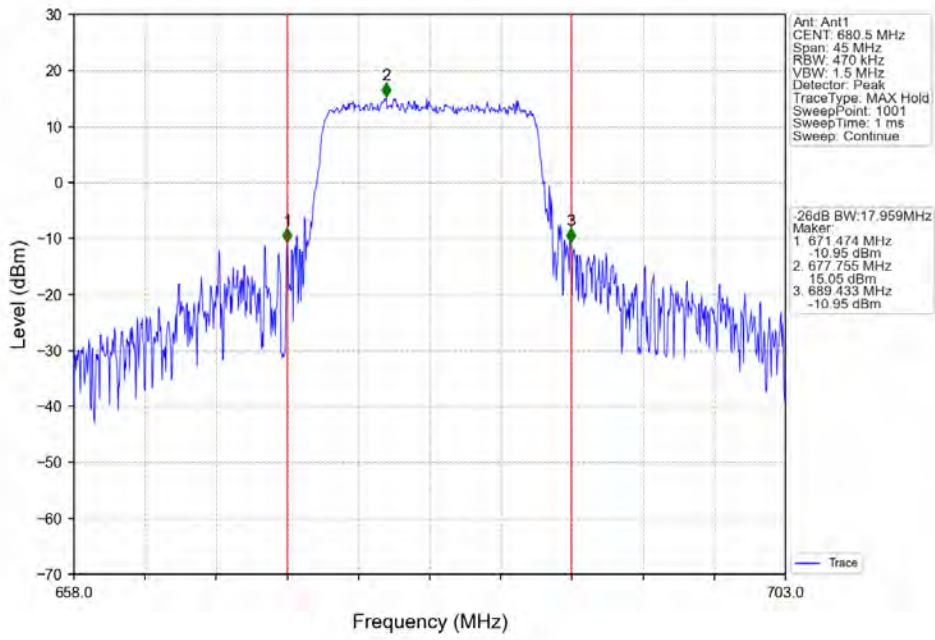
Band71_15MHz_QPSK_HCH_690.5MHz_RB_75_0_NTNV



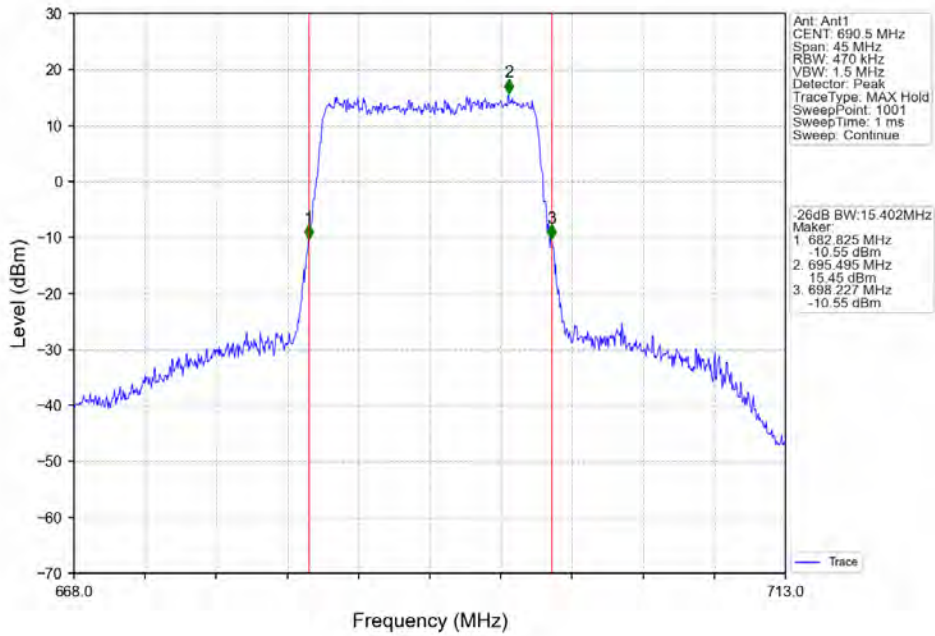
Band71_15MHz_16QAM_LCH_670.5MHz_RB_75_0_NTNV



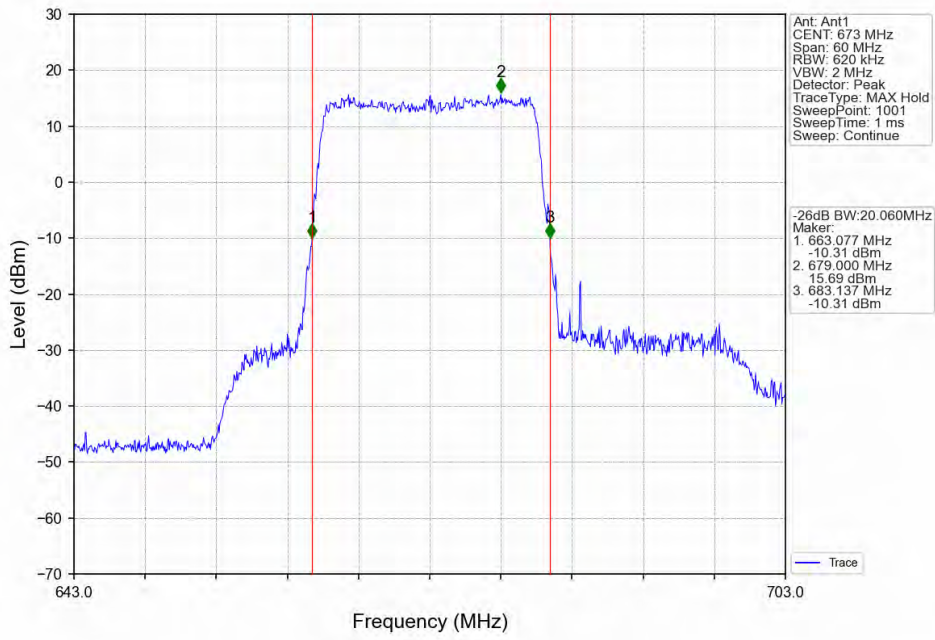
Band71_15MHz_16QAM_MCH_680.5MHz_RB_75_0_NTNV



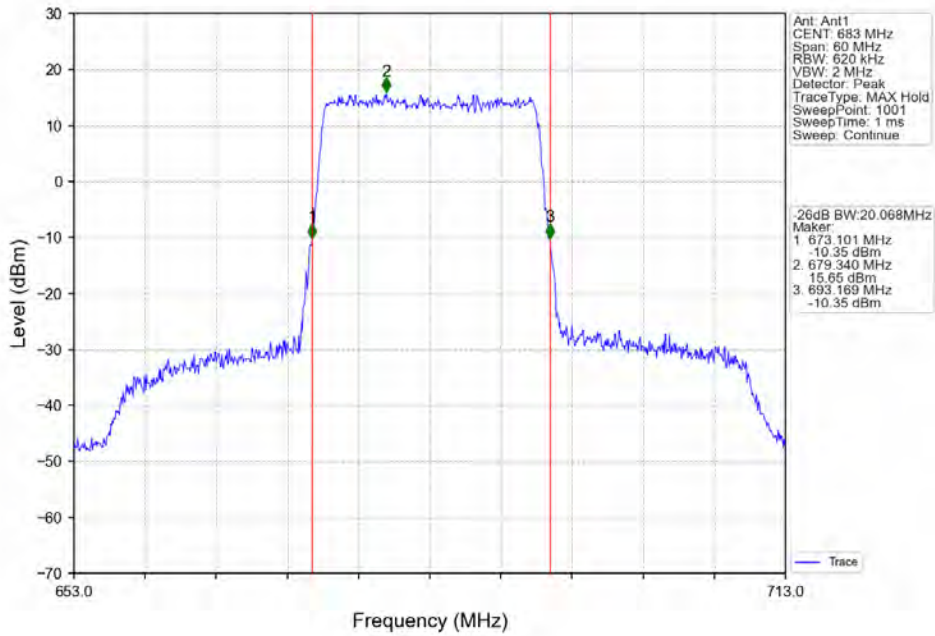
Band71_15MHz_16QAM_HCH_690.5MHz_RB_75_0_NTNV



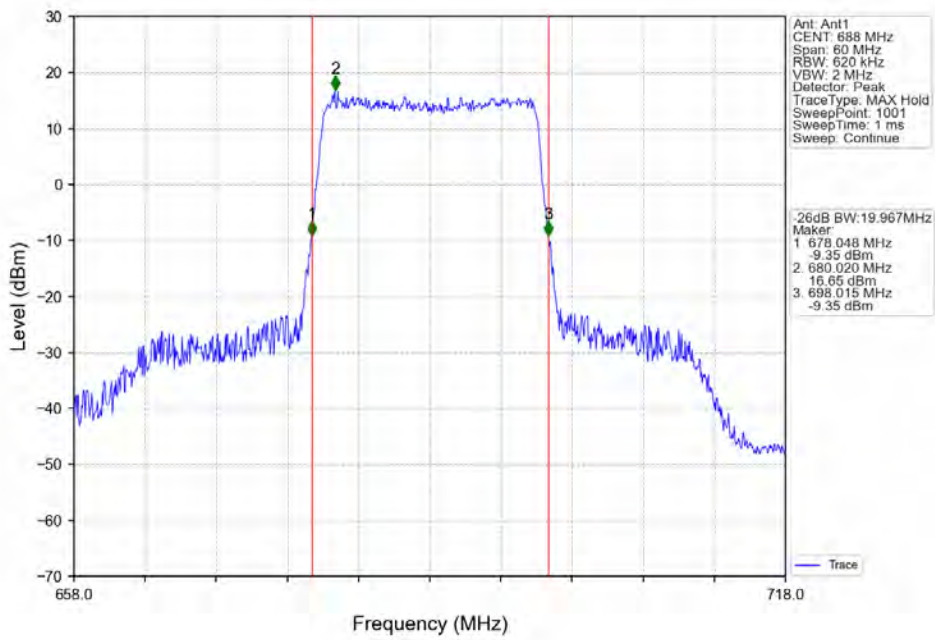
Band71_20MHz_QPSK_LCH_673MHz_RB_100_0_NTNV



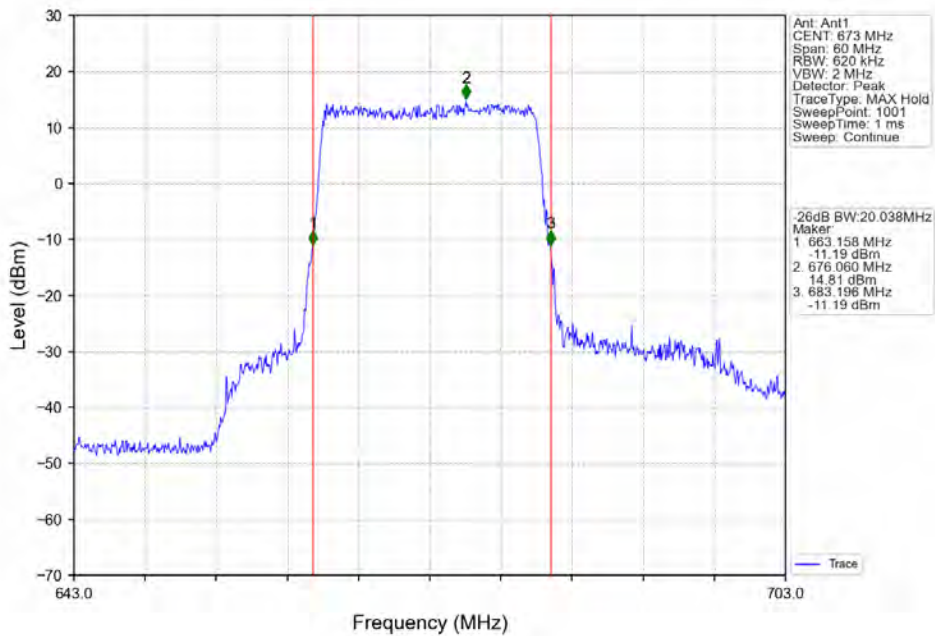
Band71_20MHz_QPSK_MCH_683MHz_RB_100_0_NTNV



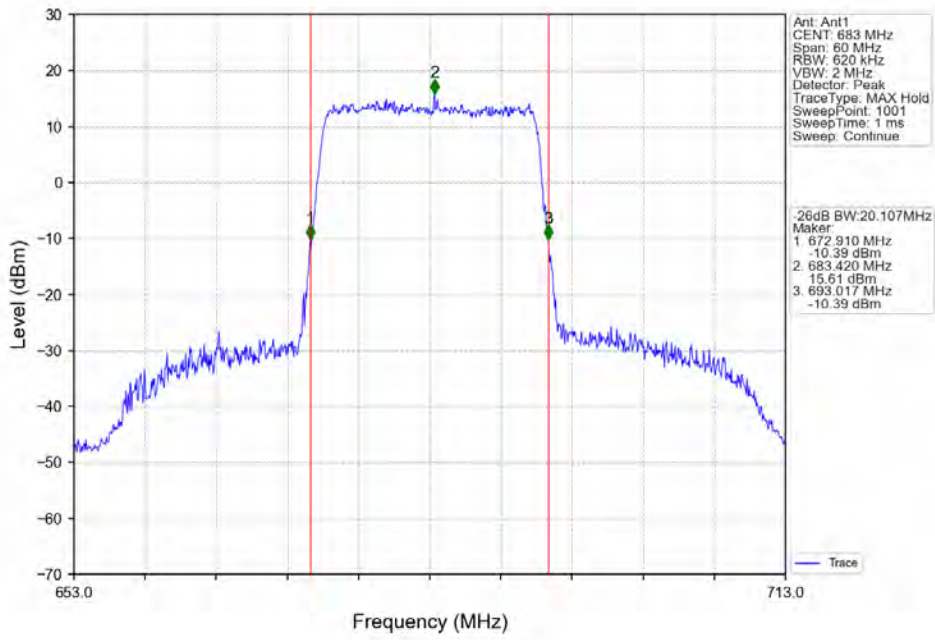
Band71_20MHz_QPSK_HCH_688MHz_RB_100_0_NTNV



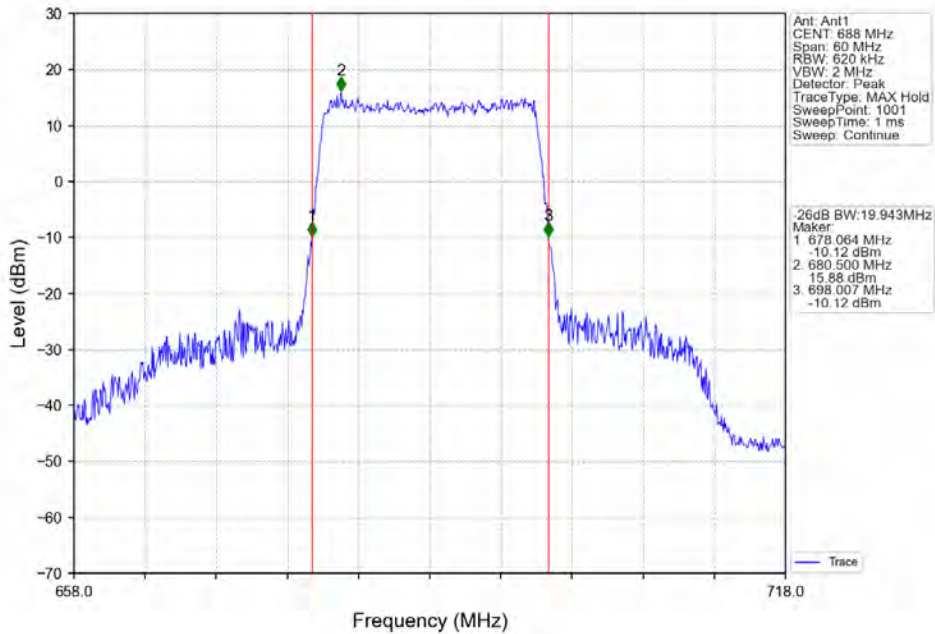
Band71_20MHz_16QAM_LCH_673MHz_RB_100_0_NTNV



Band71_20MHz_16QAM_MCH_683MHz_RB_100_0_NTNV



Band71_20MHz_16QAM_HCH_688MHz_RB_100_0_NTNV



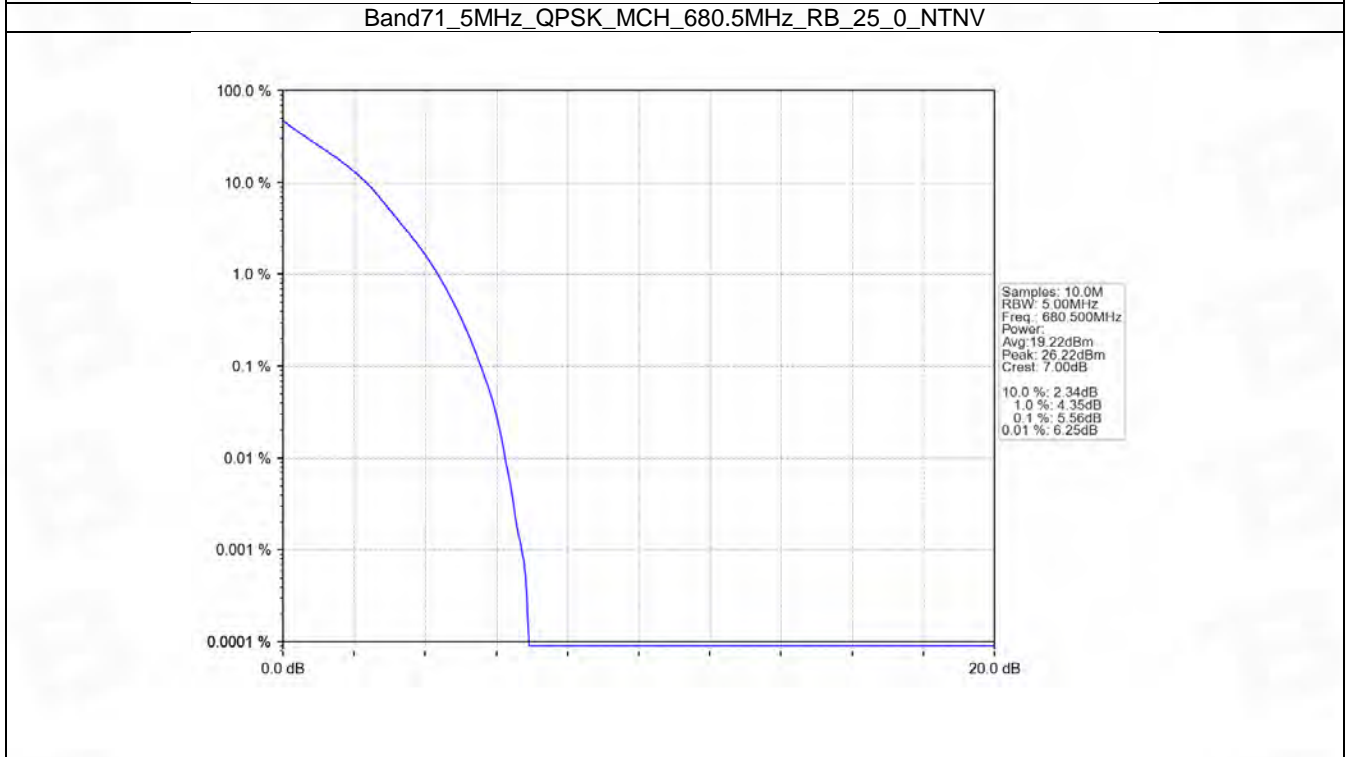
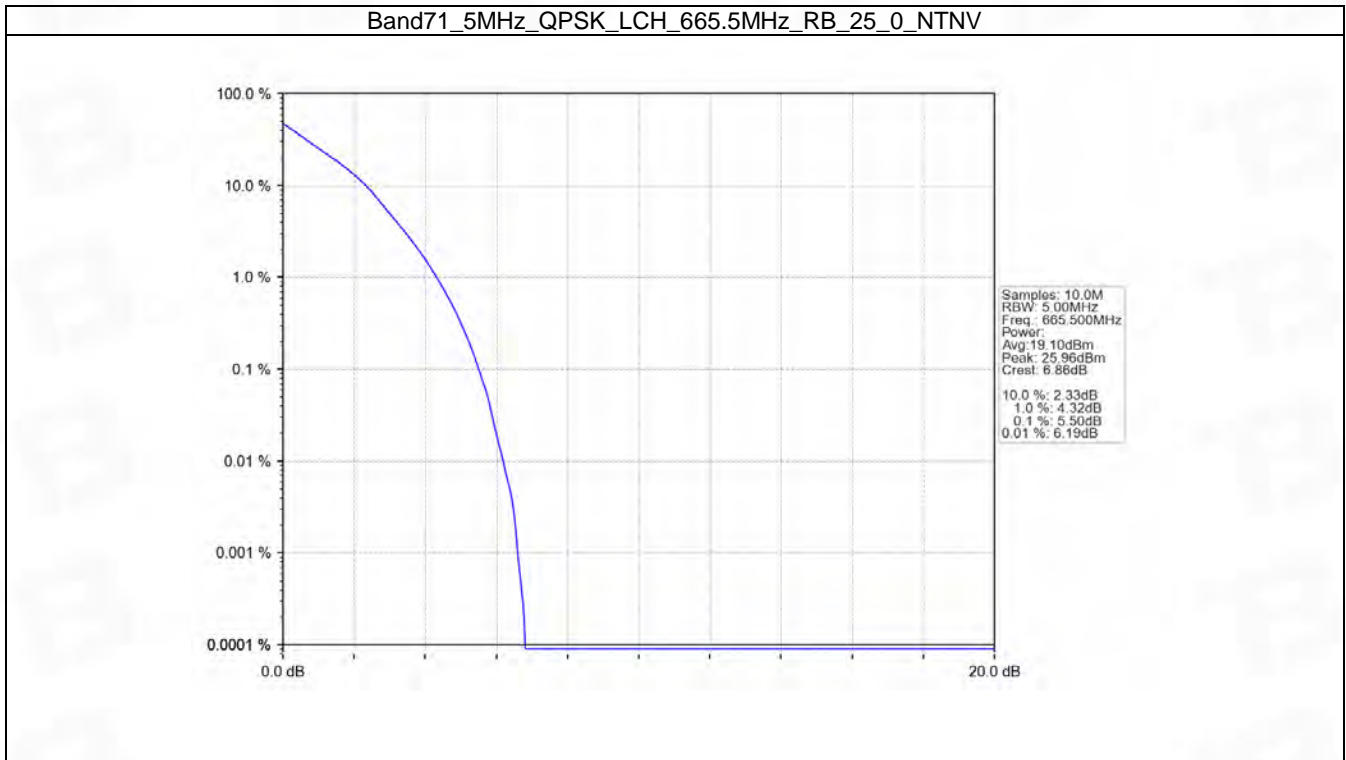
5. Peak-Average Ratio

5.1 B71_5MHz

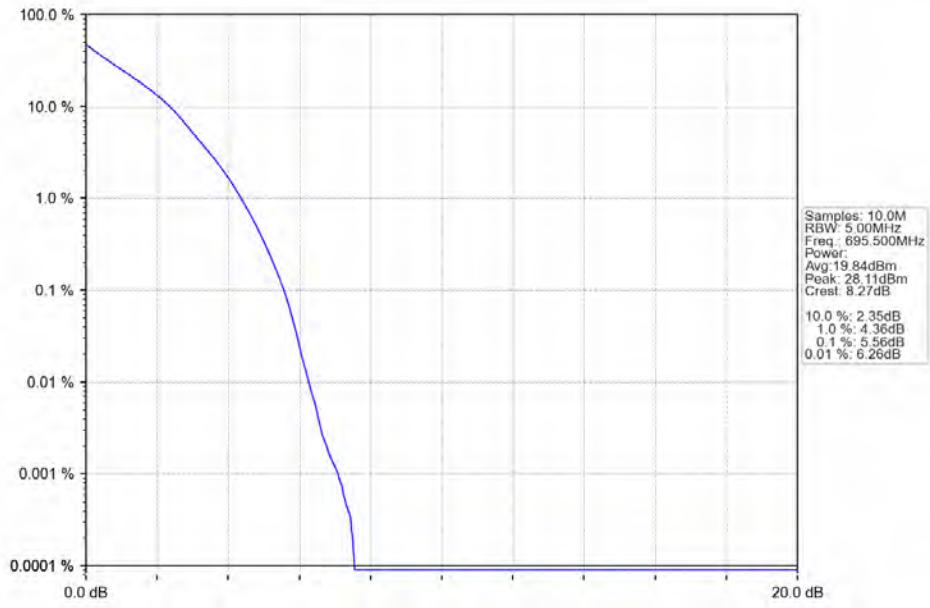
5.1.1 Test Result

| Band: 71 / Bandwidth: 5MHz / NTV | | | | | | |
|----------------------------------|-----------------|---------------|--------|-------------------------|-------|---------|
| Modulation | Frequency (MHz) | RB Allocation | | Peak-Average Ratio (dB) | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 665.5 | 25 | 0 | 5.50 | <=13 | Pass |
| | 680.5 | 25 | 0 | 5.56 | <=13 | Pass |
| | 695.5 | 25 | 0 | 5.56 | <=13 | Pass |
| 16QAM | 665.5 | 25 | 0 | 6.16 | <=13 | Pass |
| | 680.5 | 25 | 0 | 6.25 | <=13 | Pass |
| | 695.5 | 25 | 0 | 6.21 | <=13 | Pass |

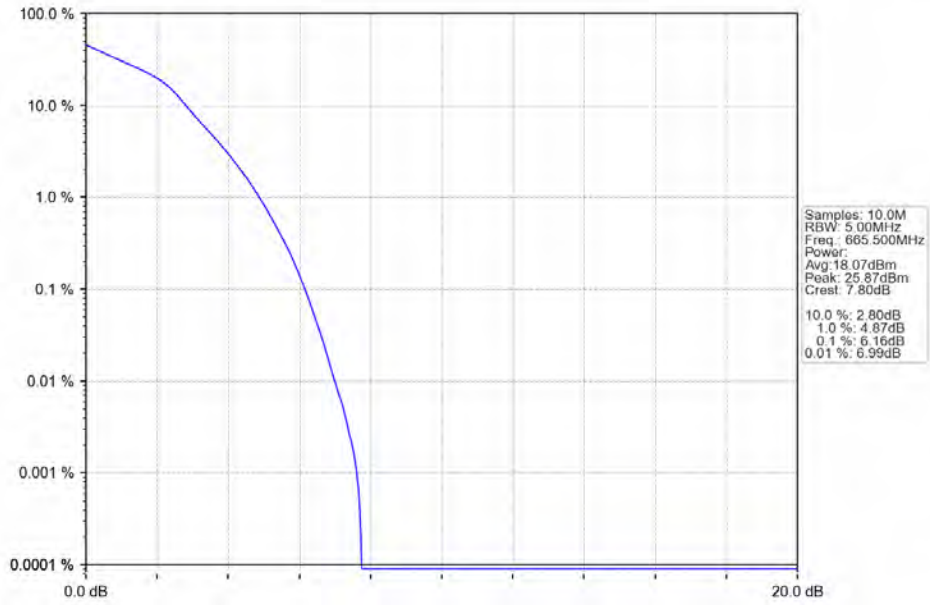
5.1.2 Test Graph



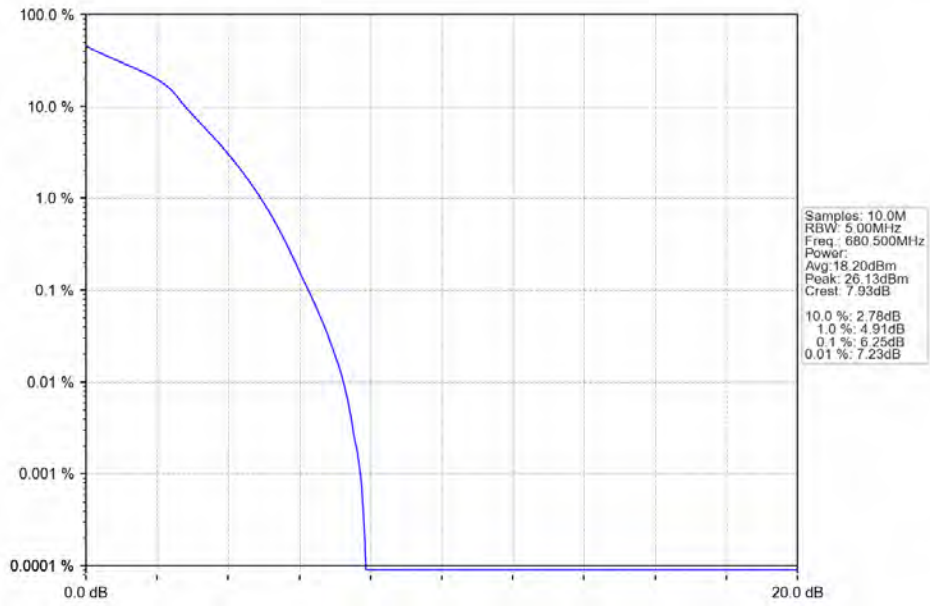
Band71_5MHz_QPSK_HCH_695.5MHz_RB_25_0_NTNV



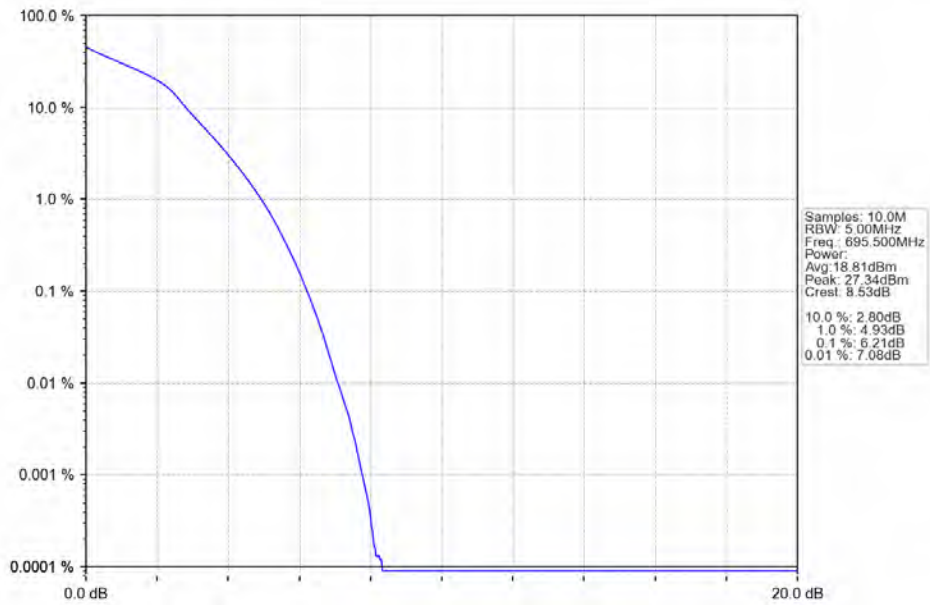
Band71_5MHz_16QAM_LCH_665.5MHz_RB_25_0_NTNV



Band71_5MHz_16QAM_MCH_680.5MHz_RB_25_0_NTNV



Band71_5MHz_16QAM_HCH_695.5MHz_RB_25_0_NTNV

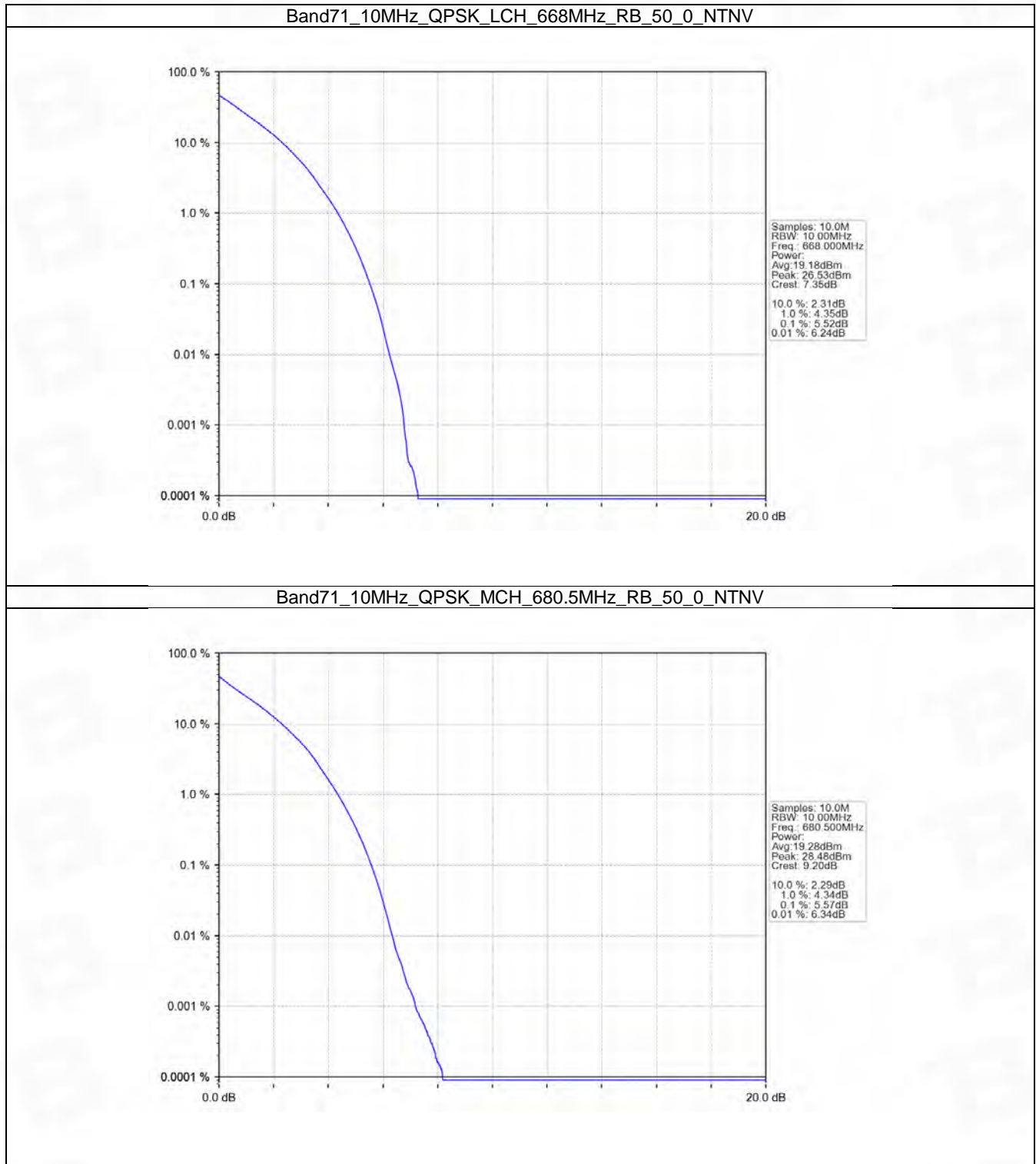


5.2 B71_10MHz

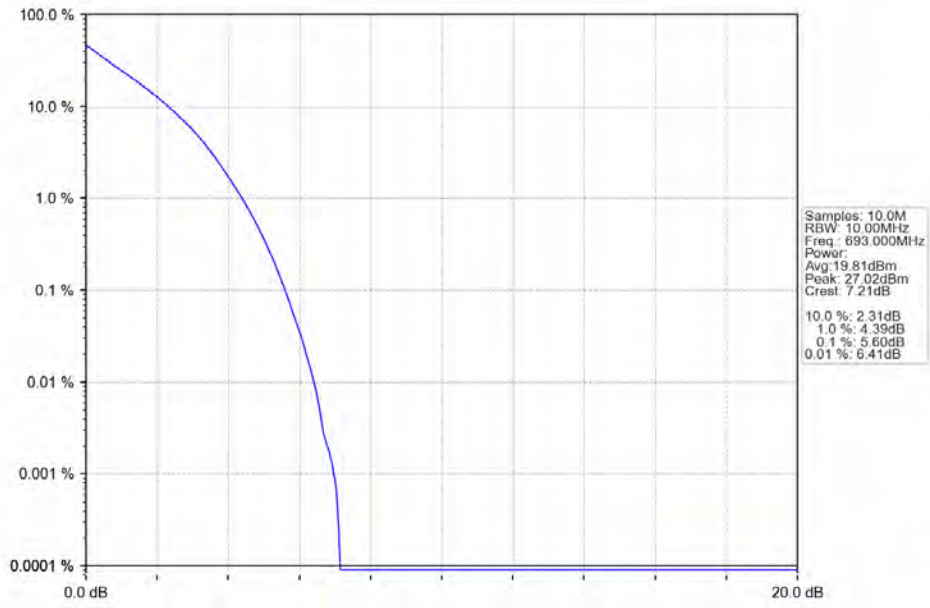
5.2.1 Test Result

| Band: 71 / Bandwidth: 10MHz / NTNV | | | | | | |
|------------------------------------|-----------------|---------------|--------|-------------------------|-------|---------|
| Modulation | Frequency (MHz) | RB Allocation | | Peak-Average Ratio (dB) | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 668 | 50 | 0 | 5.52 | <=13 | Pass |
| | 680.5 | 50 | 0 | 5.57 | <=13 | Pass |
| | 693 | 50 | 0 | 5.60 | <=13 | Pass |
| 16QAM | 668 | 50 | 0 | 6.26 | <=13 | Pass |
| | 680.5 | 50 | 0 | 6.28 | <=13 | Pass |
| | 693 | 50 | 0 | 6.26 | <=13 | Pass |

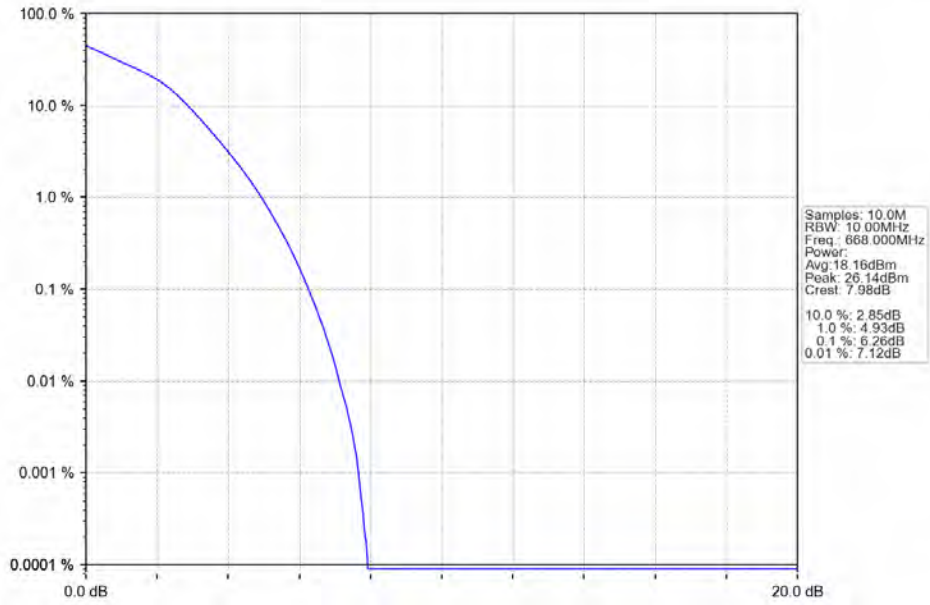
5.2.2 Test Graph



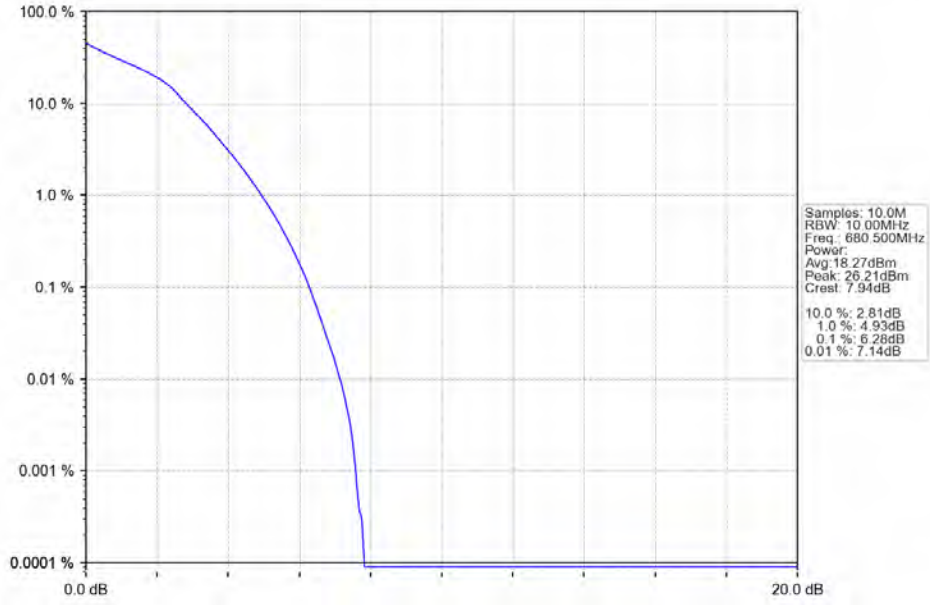
Band71_10MHz_QPSK_HCH_693MHz_RB_50_0_NTNV



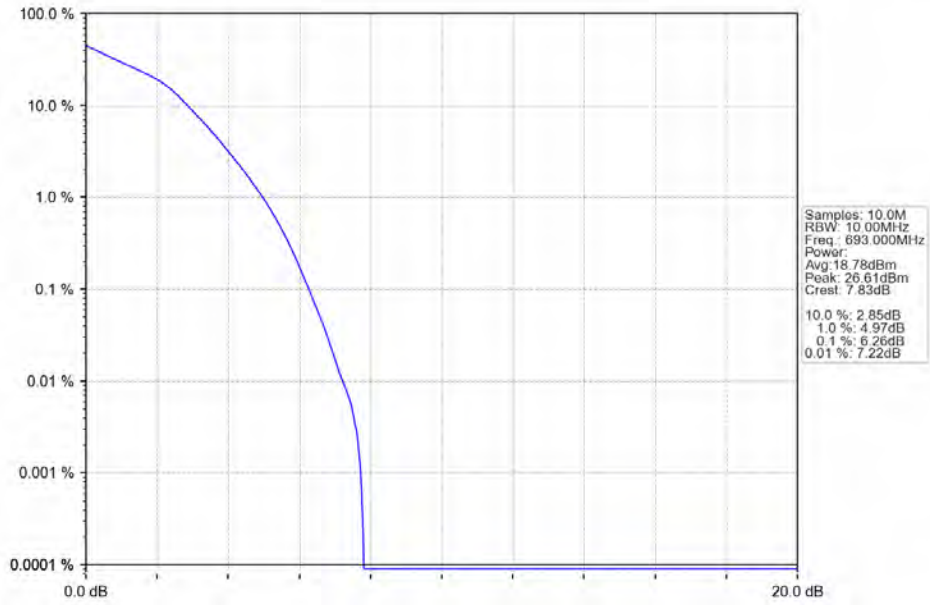
Band71_10MHz_16QAM_LCH_668MHz_RB_50_0_NTNV



Band71_10MHz_16QAM_MCH_680.5MHz_RB_50_0_NTNV



Band71_10MHz_16QAM_HCH_693MHz_RB_50_0_NTNV

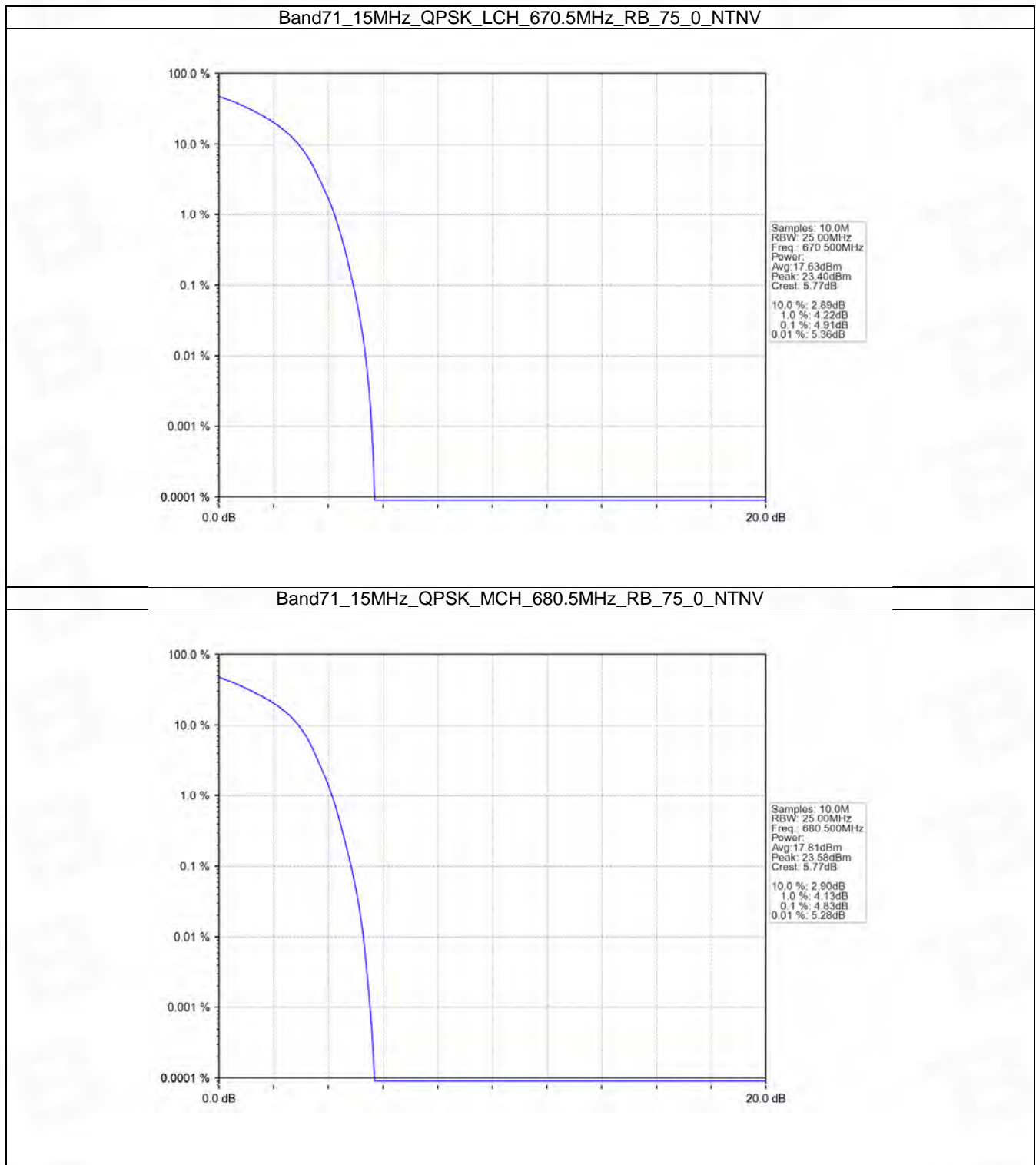


5.3 B71_15MHz

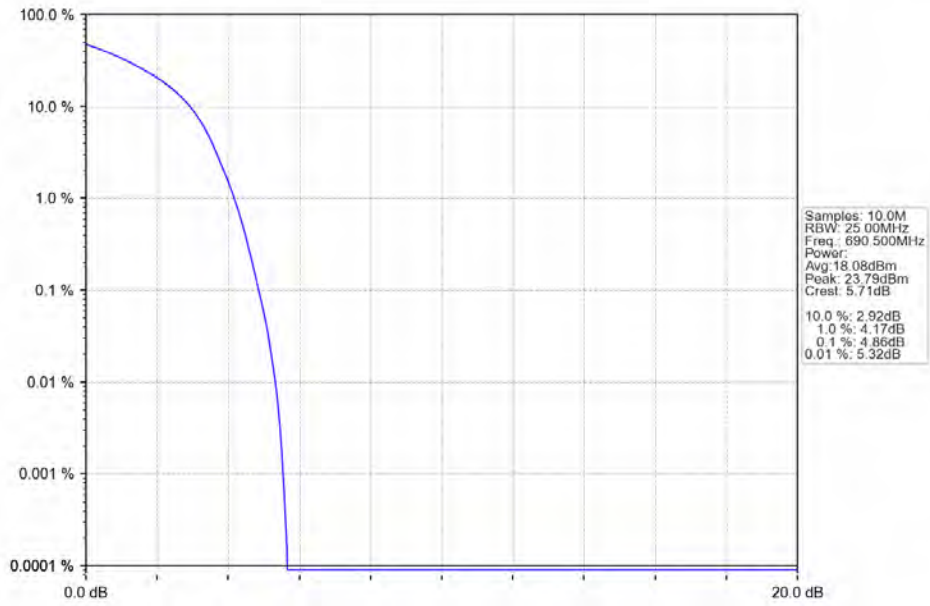
5.3.1 Test Result

| Band: 71 / Bandwidth: 15MHz / NTNV | | | | | | |
|------------------------------------|-----------------|---------------|--------|-------------------------|-------|---------|
| Modulation | Frequency (MHz) | RB Allocation | | Peak-Average Ratio (dB) | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 670.5 | 75 | 0 | 4.91 | <=13 | Pass |
| | 680.5 | 75 | 0 | 4.83 | <=13 | Pass |
| | 690.5 | 75 | 0 | 4.86 | <=13 | Pass |
| 16QAM | 670.5 | 75 | 0 | 6.21 | <=13 | Pass |
| | 680.5 | 75 | 0 | 6.12 | <=13 | Pass |
| | 690.5 | 75 | 0 | 6.16 | <=13 | Pass |

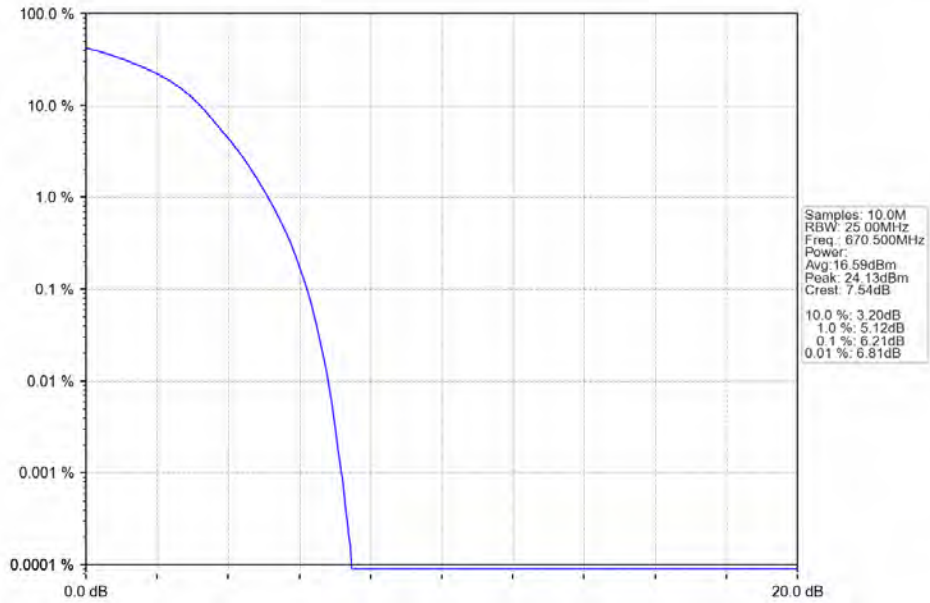
5.3.2 Test Graph



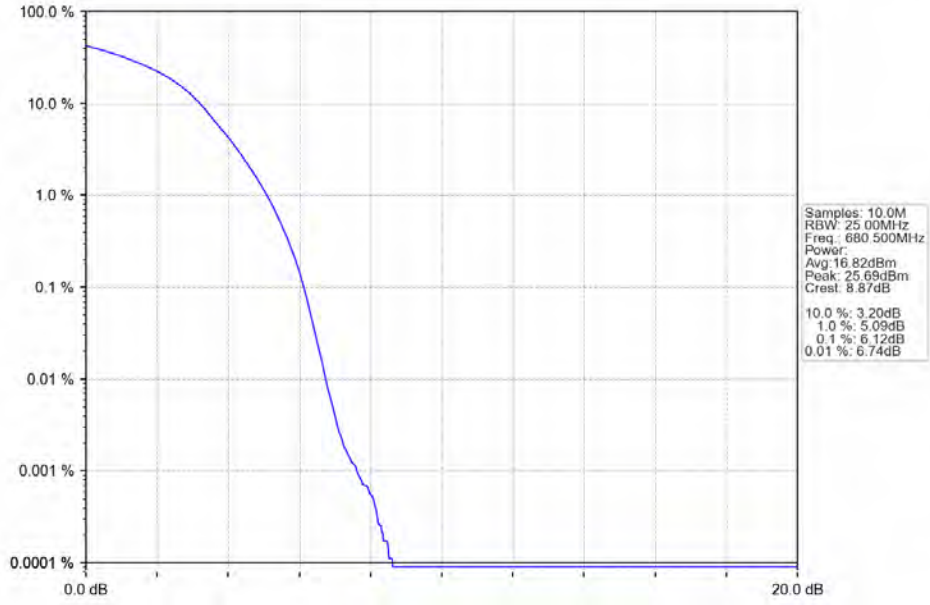
Band71_15MHz_QPSK_HCH_690.5MHz_RB_75_0_NTNV



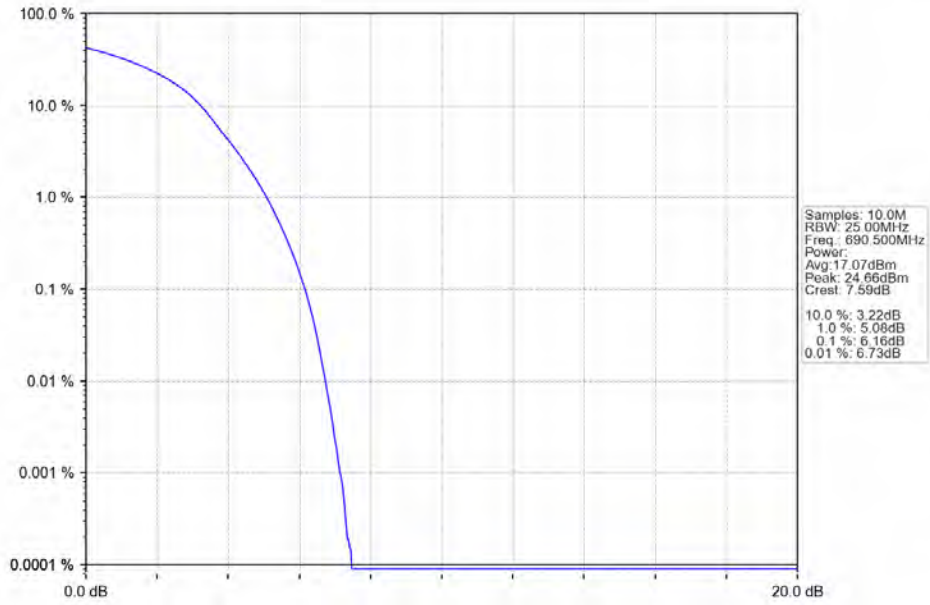
Band71_15MHz_16QAM_LCH_670.5MHz_RB_75_0_NTNV



Band71_15MHz_16QAM_MCH_680.5MHz_RB_75_0_NTNV



Band71_15MHz_16QAM_HCH_690.5MHz_RB_75_0_NTNV

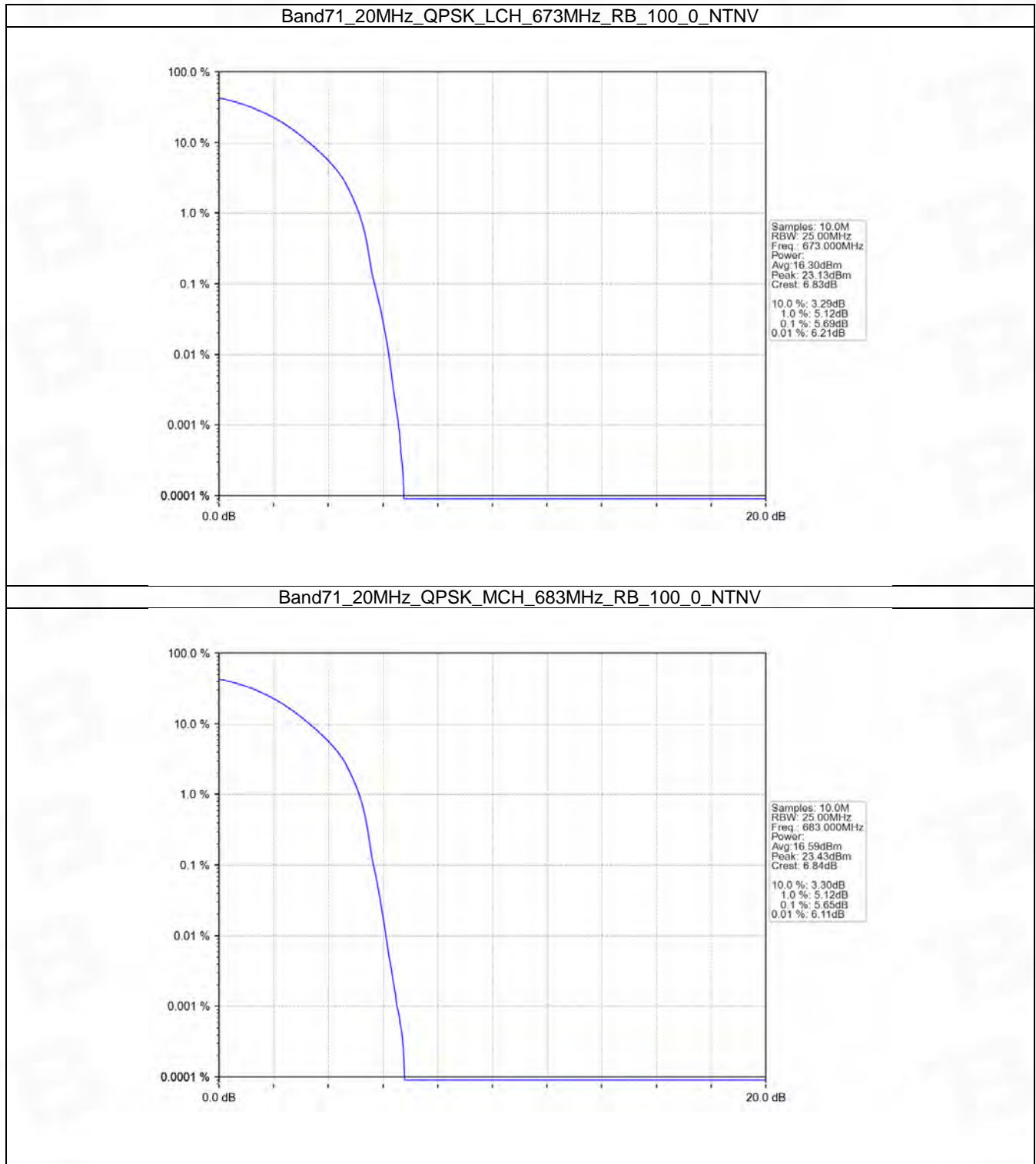


5.4 B71_20MHz

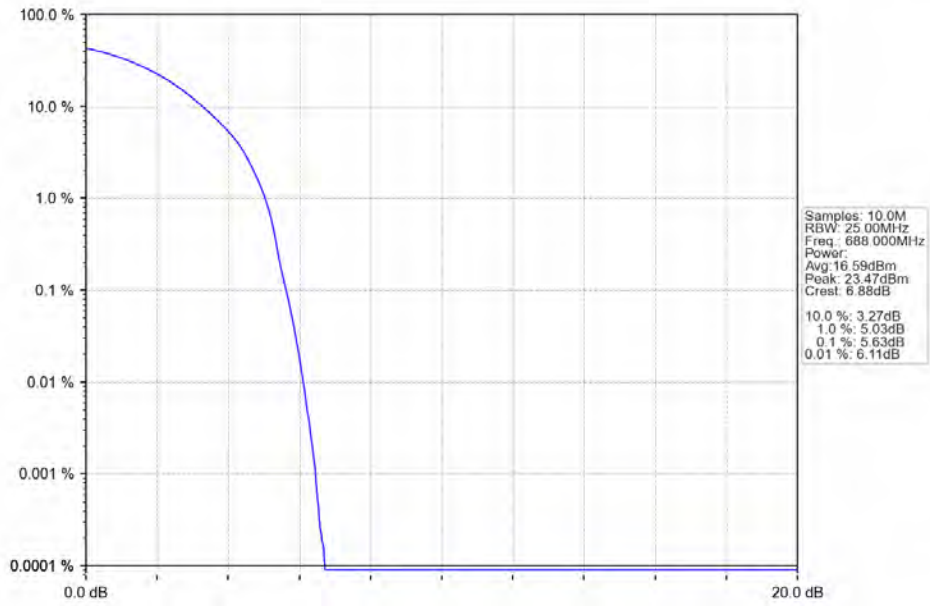
5.4.1 Test Result

| Band: 71 / Bandwidth: 20MHz / NTNV | | | | | | |
|------------------------------------|-----------------|---------------|--------|-------------------------|-------|---------|
| Modulation | Frequency (MHz) | RB Allocation | | Peak-Average Ratio (dB) | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 673 | 100 | 0 | 5.69 | <=13 | Pass |
| | 683 | 100 | 0 | 5.65 | <=13 | Pass |
| | 688 | 100 | 0 | 5.63 | <=13 | Pass |
| 16QAM | 673 | 100 | 0 | 6.68 | <=13 | Pass |
| | 683 | 100 | 0 | 6.70 | <=13 | Pass |
| | 688 | 100 | 0 | 6.70 | <=13 | Pass |

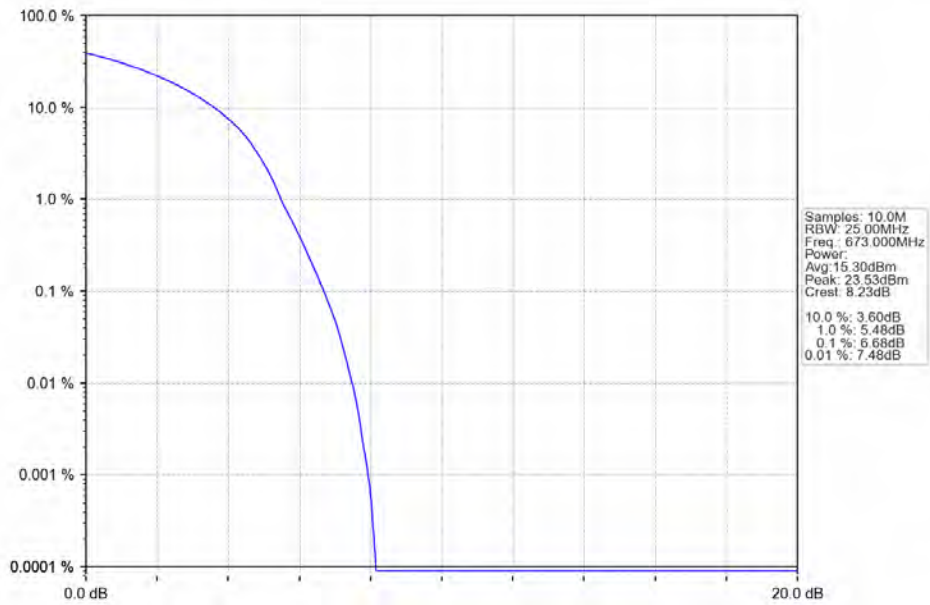
5.4.2 Test Graph



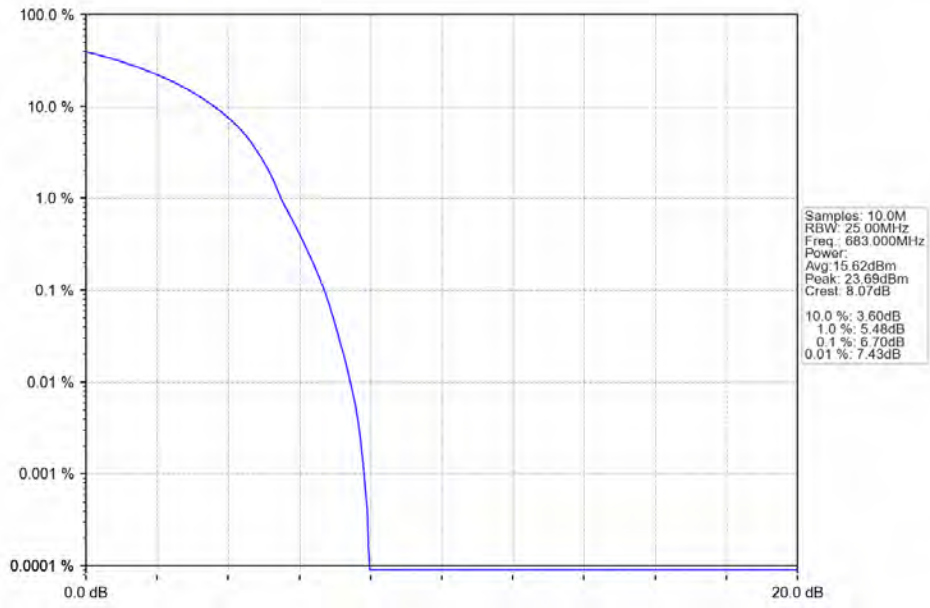
Band71_20MHz_QPSK_HCH_688MHz_RB_100_0_NTNV



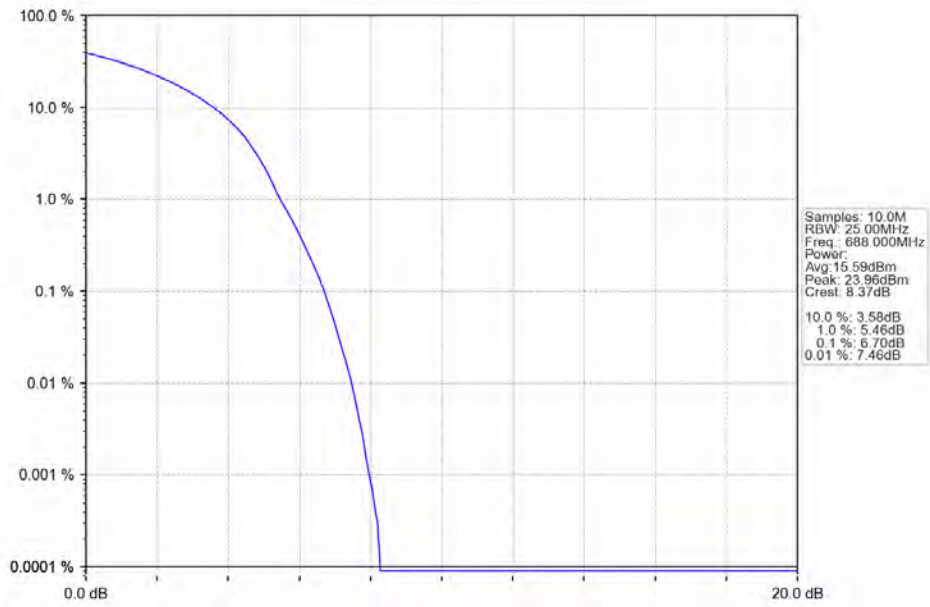
Band71_20MHz_16QAM_LCH_673MHz_RB_100_0_NTNV



Band71_20MHz_16QAM_MCH_683MHz_RB_100_0_NTNV



Band71_20MHz_16QAM_HCH_688MHz_RB_100_0_NTNV



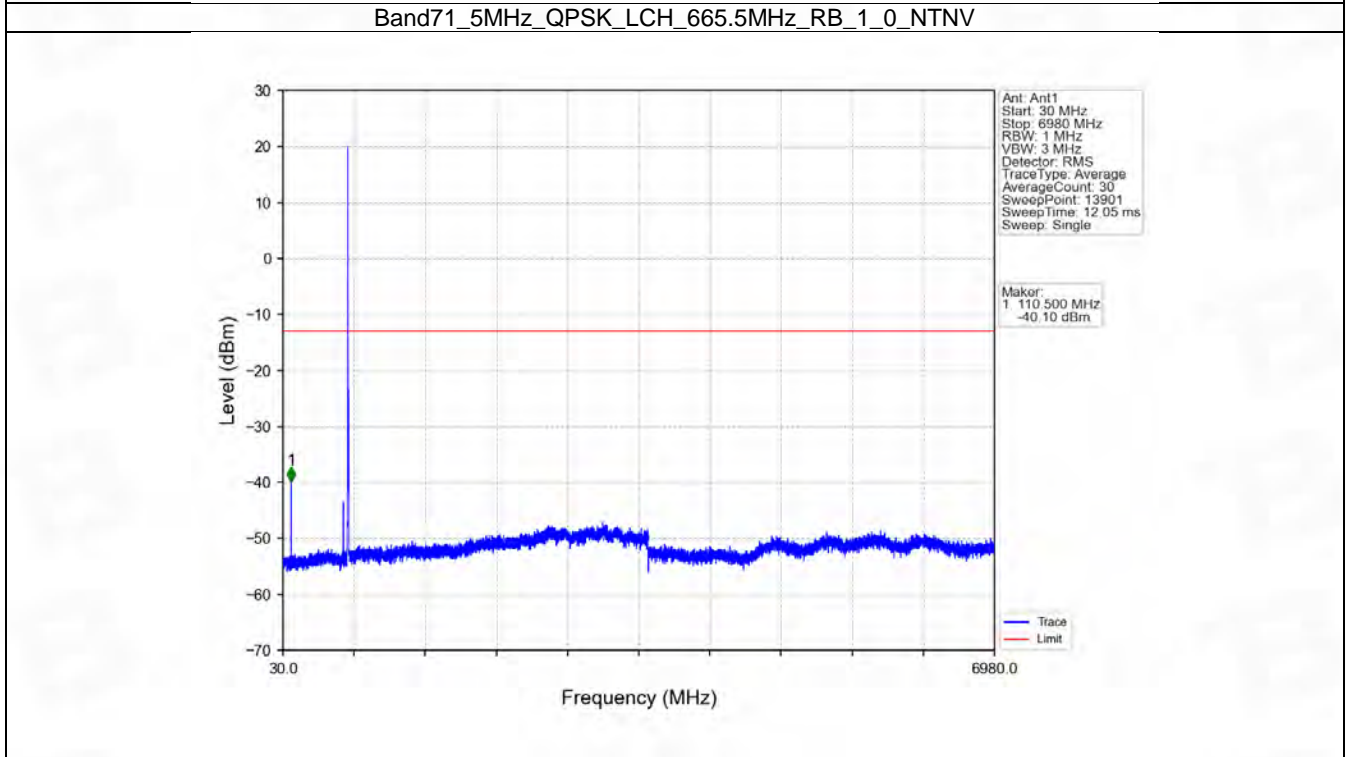
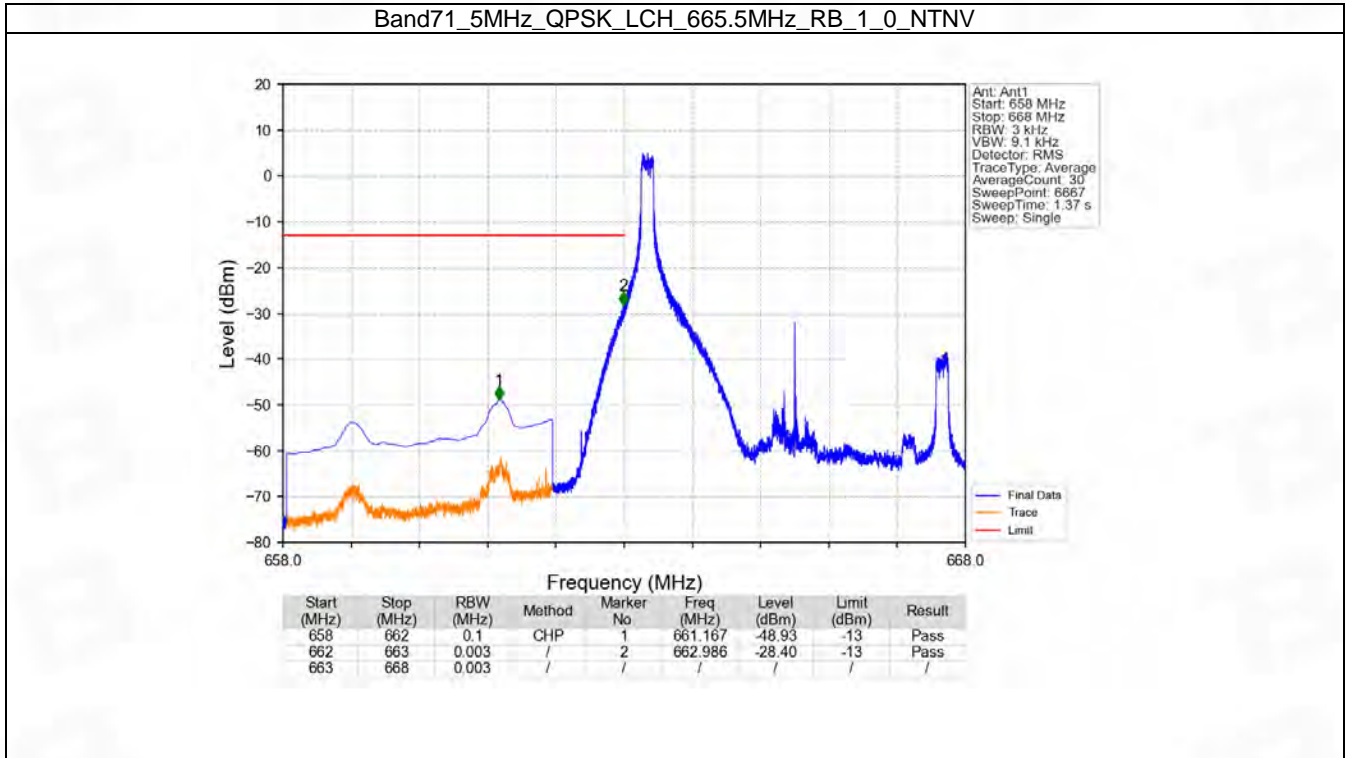
6. Spurious Emission

6.1 B71_5MHz

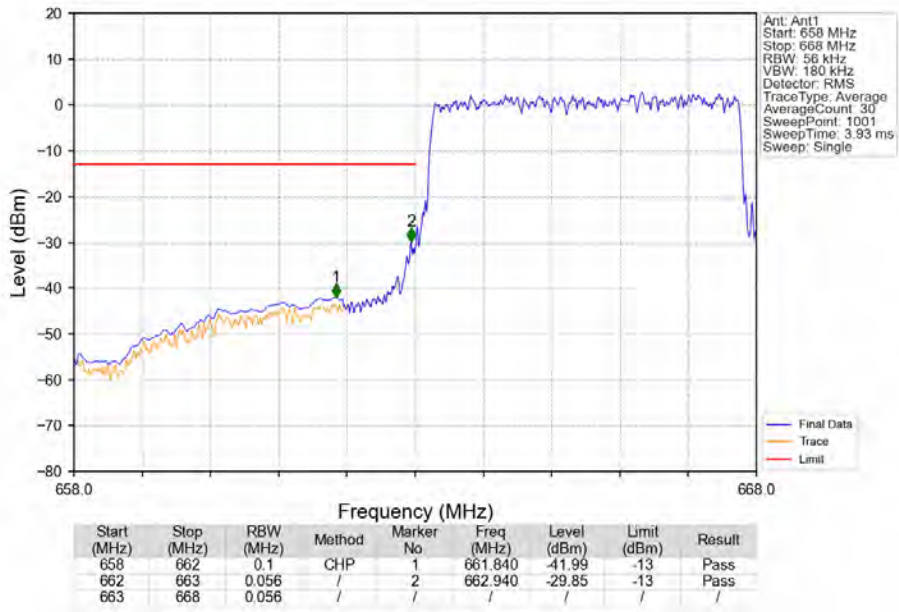
6.1.1 Test Result

| Band: 71 / Bandwidth: 5MHz / NTNV | | | | | | |
|-----------------------------------|-----------------|---------------|--------|---------------------|---------------------|---------|
| Modulation | Frequency (MHz) | RB Allocation | | Spurious Emission | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 665.5 | 1 | 0 | Refer To Test Graph | | Pass |
| | | 25 | 0 | Refer To Test Graph | | Pass |
| | 680.5 | 1 | 0 | Refer To Test Graph | | Pass |
| | | 695.5 | 1 | 0 | Refer To Test Graph | |
| | | | | 24 | Refer To Test Graph | |
| | | | 25 | 0 | Refer To Test Graph | |
| 16QAM | 665.5 | 1 | 0 | Refer To Test Graph | | Pass |
| | | 25 | 0 | Refer To Test Graph | | Pass |
| | 680.5 | 1 | 0 | Refer To Test Graph | | Pass |
| | | 695.5 | 1 | 0 | Refer To Test Graph | |
| | | | | 24 | Refer To Test Graph | |
| | | | 25 | 0 | Refer To Test Graph | |

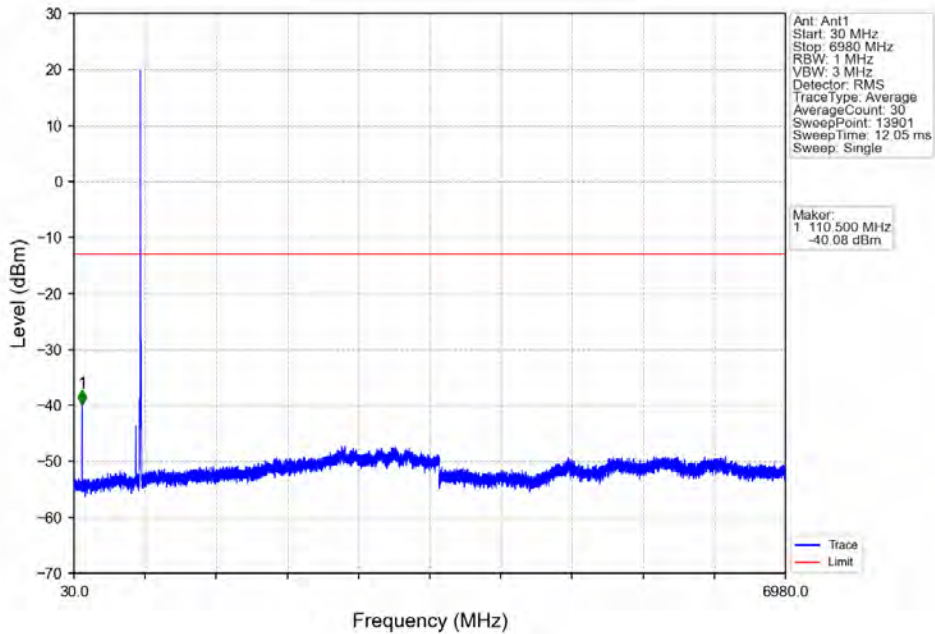
6.1.2 Test Graph



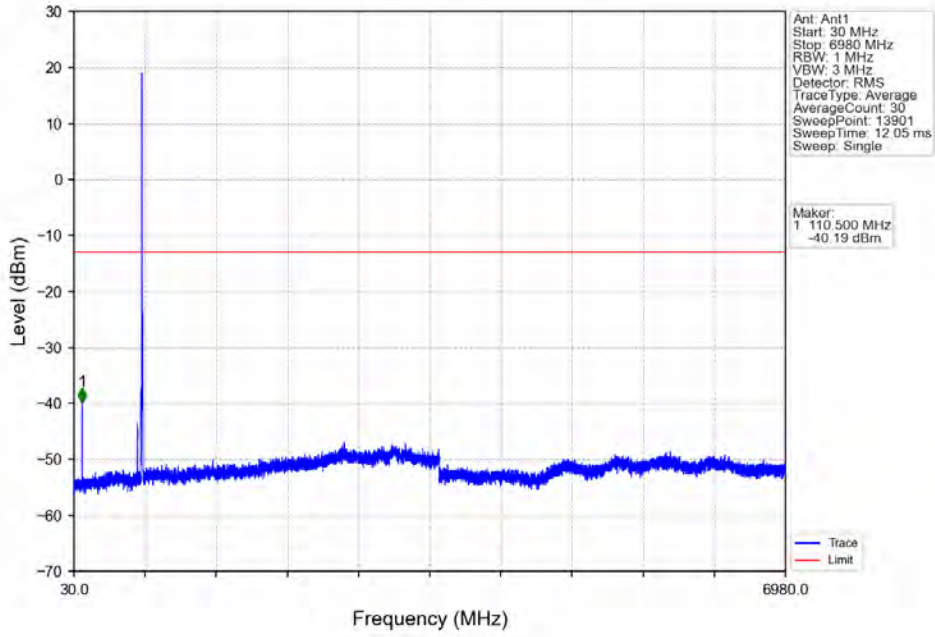
Band71_5MHz_QPSK_LCH_665.5MHz_RB_25_0_NTNV



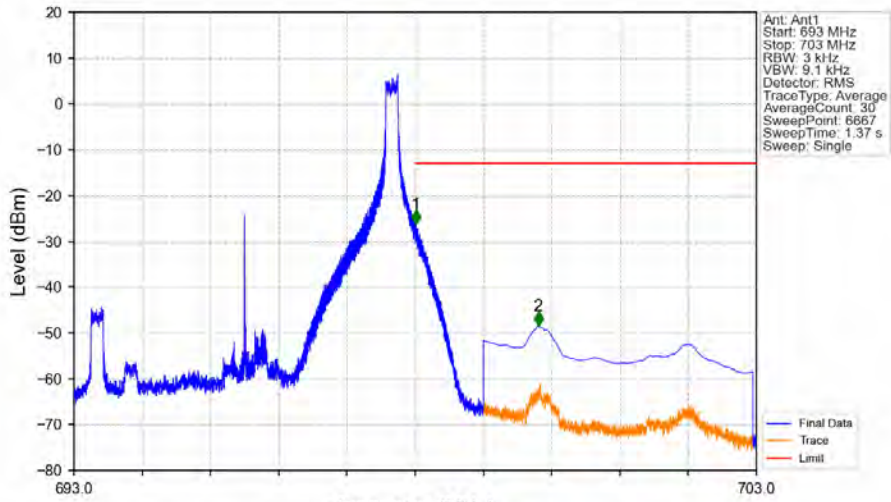
Band71_5MHz_QPSK_MCH_680.5MHz_RB_1_0_NTNV



Band71_5MHz_QPSK_HCH_695.5MHz_RB_1_0_NTNV

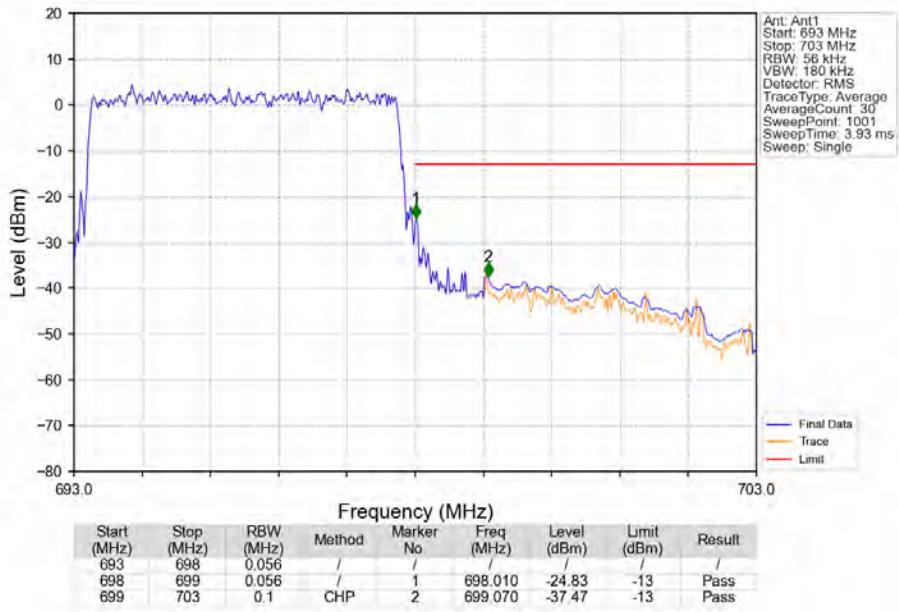


Band71_5MHz_QPSK_HCH_695.5MHz_RB_1_24_NTNV

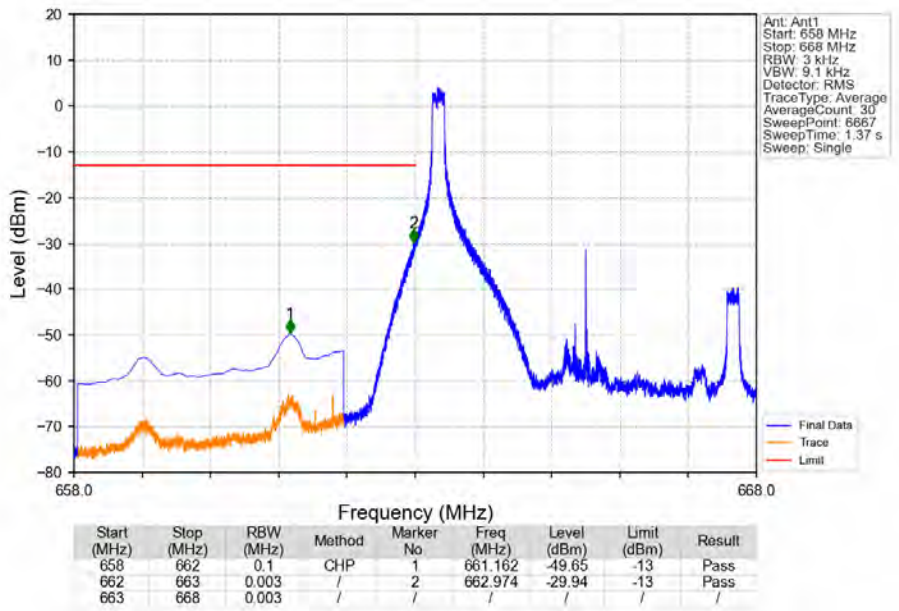


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|-----------|------------|-------------|-------------|--------|
| 693 | 698 | 0.003 | / | 1 | 698.011 | -26.19 | -13 | Pass |
| 698 | 699 | 0.003 | / | 2 | 699.805 | -48.51 | -13 | Pass |
| 699 | 703 | 0.1 | CHP | | | | | |

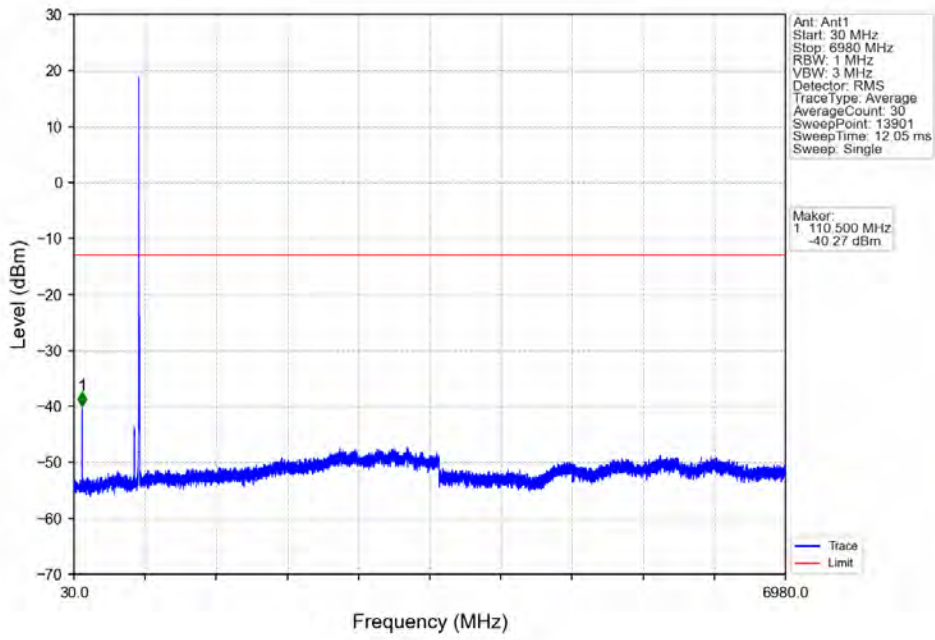
Band71_5MHz_QPSK_HCH_695.5MHz_RB_25_0_NTNV



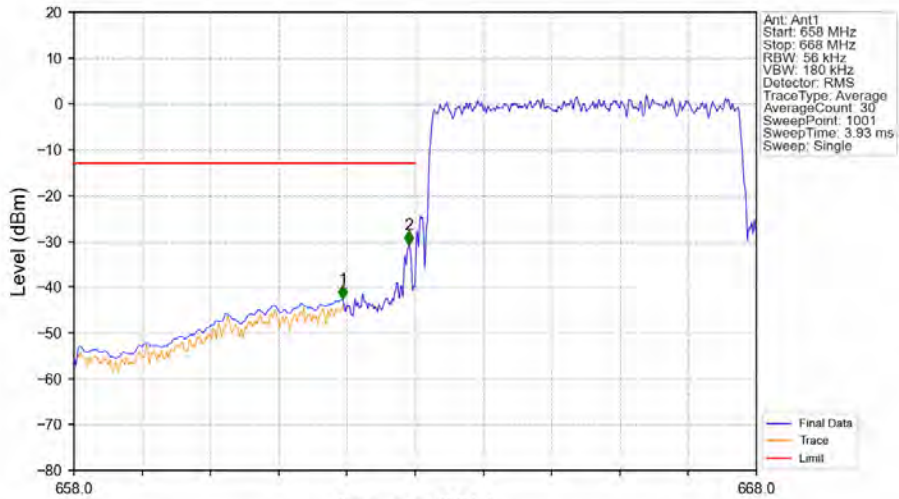
Band71_5MHz_16QAM_LCH_665.5MHz_RB_1_0_NTNV



Band71_5MHz_16QAM_LCH_665.5MHz_RB_1_0_NTNV

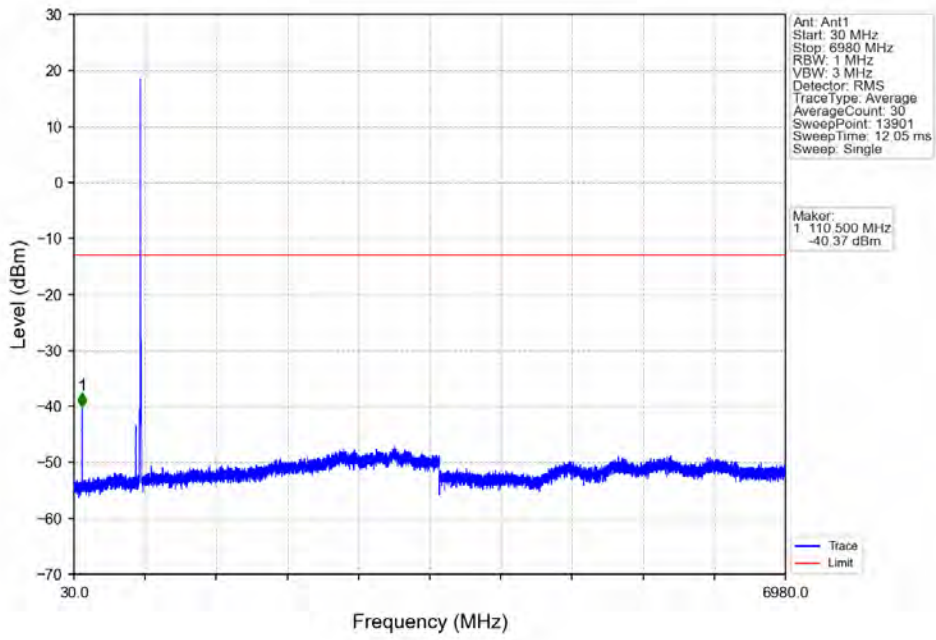


Band71_5MHz_16QAM_LCH_665.5MHz_RB_25_0_NTNV

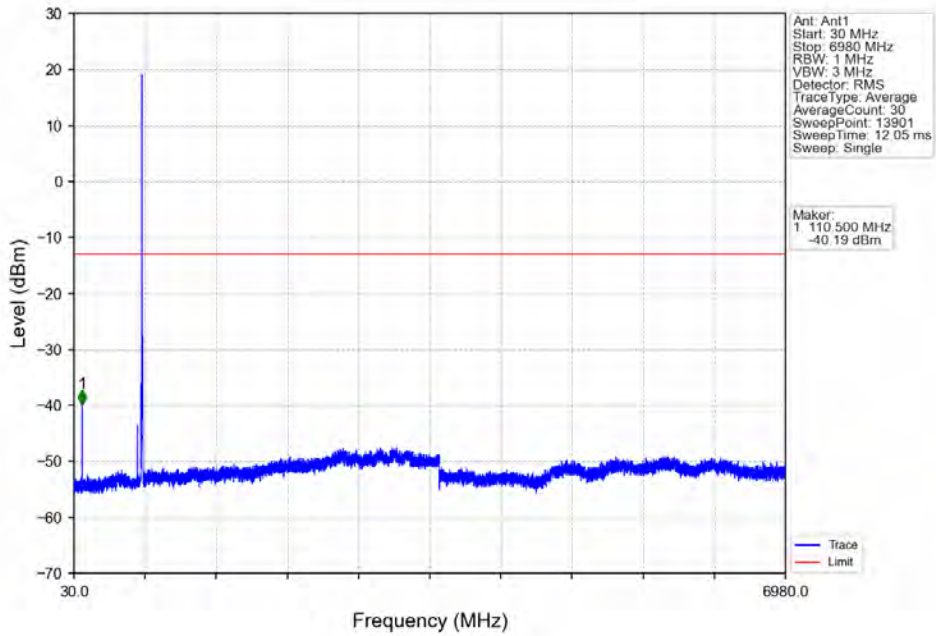


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|-----------|------------|-------------|-------------|--------|
| 658 | 662 | 0.1 | CHP | 1 | 661.940 | -42.66 | -13 | Pass |
| 662 | 663 | 0.056 | / | 2 | 662.910 | -30.74 | -13 | Pass |
| 663 | 668 | 0.056 | / | / | / | / | / | / |

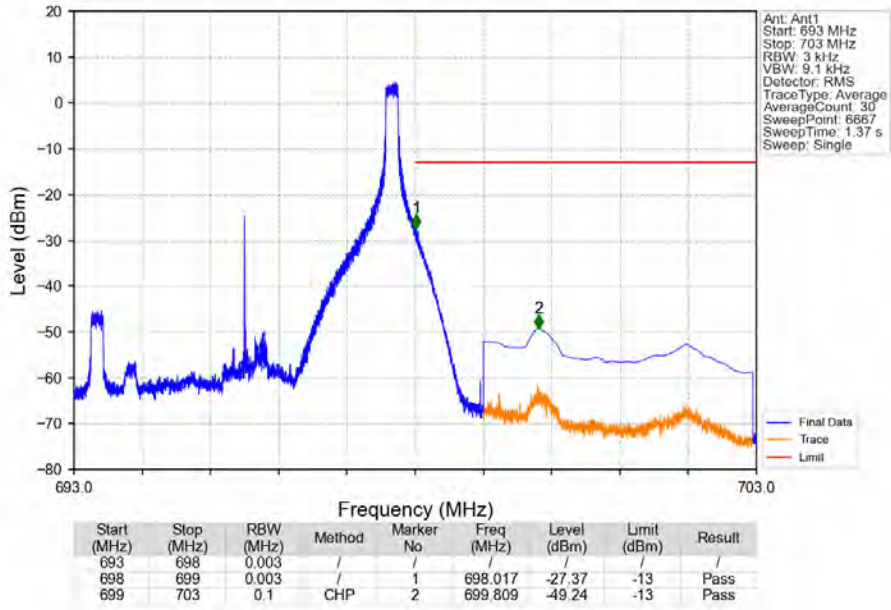
Band71_5MHz_16QAM_MCH_680.5MHz_RB_1_0_NTNV



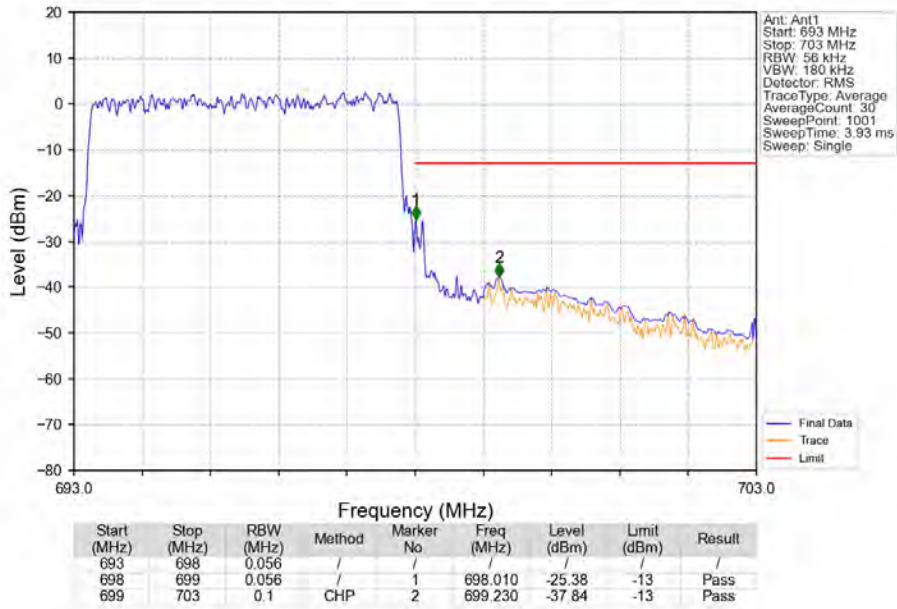
Band71_5MHz_16QAM_HCH_695.5MHz_RB_1_0_NTNV



Band71_5MHz_16QAM_HCH_695.5MHz_RB_1_24_NTVN



Band71_5MHz_16QAM_HCH_695.5MHz_RB_25_0_NTVN

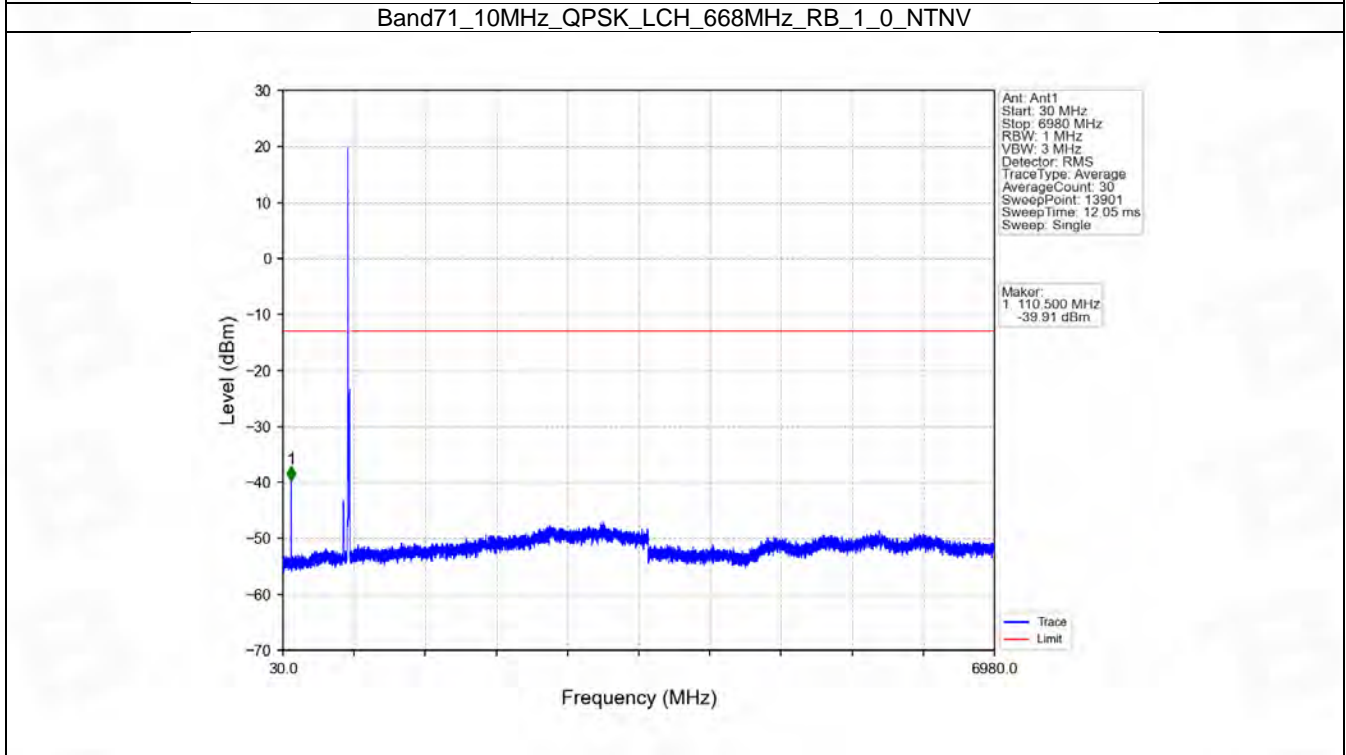
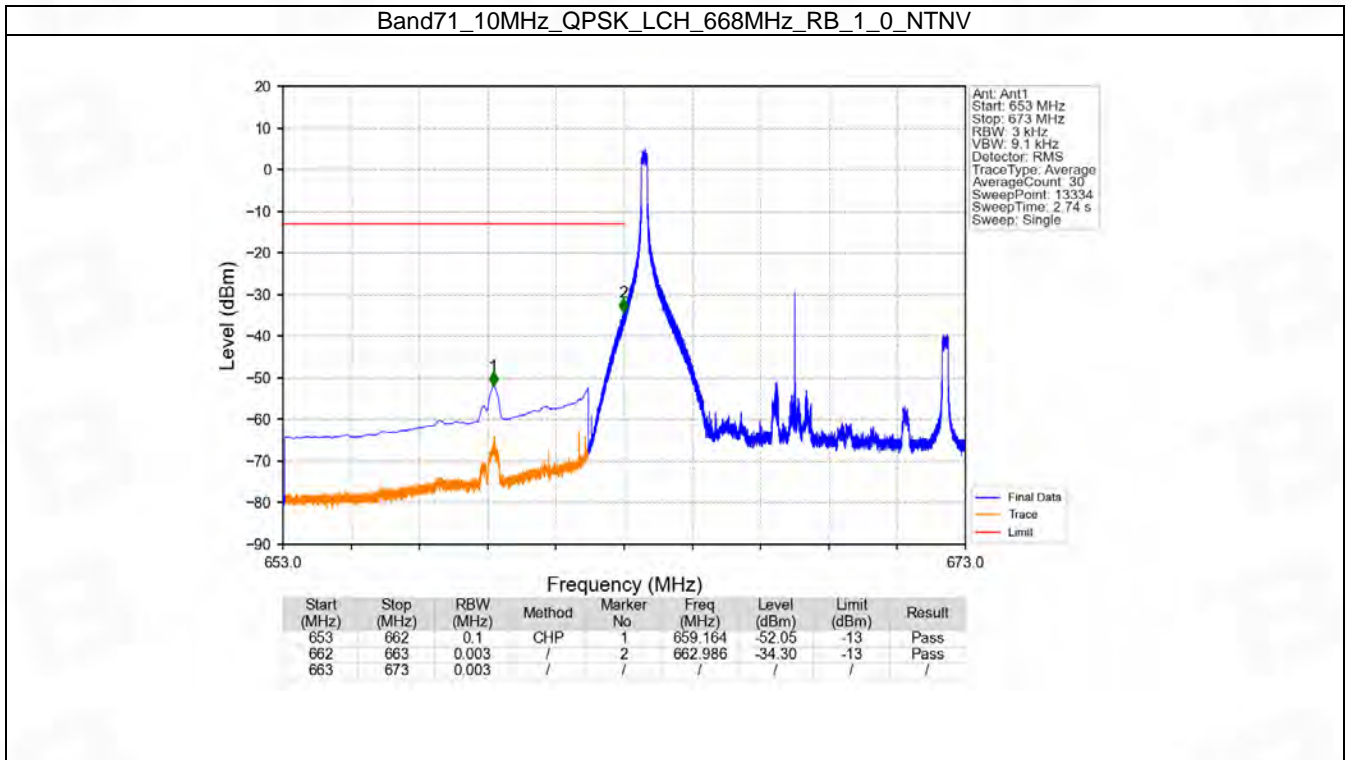


6.2 B71_10MHz

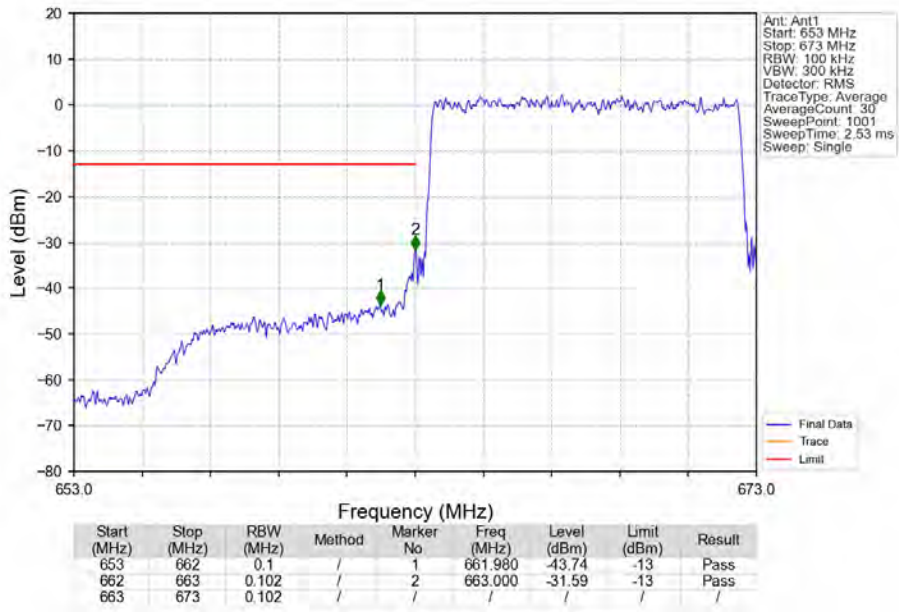
6.2.1 Test Result

| Band: 71 / Bandwidth: 10MHz / NTV | | | | | | |
|-----------------------------------|-----------------|---------------|--------|---------------------|-------|---------|
| Modulation | Frequency (MHz) | RB Allocation | | Spurious Emission | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 668 | 1 | 0 | Refer To Test Graph | | Pass |
| | | 50 | 0 | Refer To Test Graph | | Pass |
| | 693 | 1 | 0 | Refer To Test Graph | | Pass |
| | | 1 | 0 | Refer To Test Graph | | Pass |
| | | | 49 | Refer To Test Graph | | Pass |
| | | 50 | 0 | Refer To Test Graph | | Pass |
| 16QAM | 668 | 1 | 0 | Refer To Test Graph | | Pass |
| | | 50 | 0 | Refer To Test Graph | | Pass |
| | 693 | 1 | 0 | Refer To Test Graph | | Pass |
| | | 1 | 0 | Refer To Test Graph | | Pass |
| | | | 49 | Refer To Test Graph | | Pass |
| | | 50 | 0 | Refer To Test Graph | | Pass |

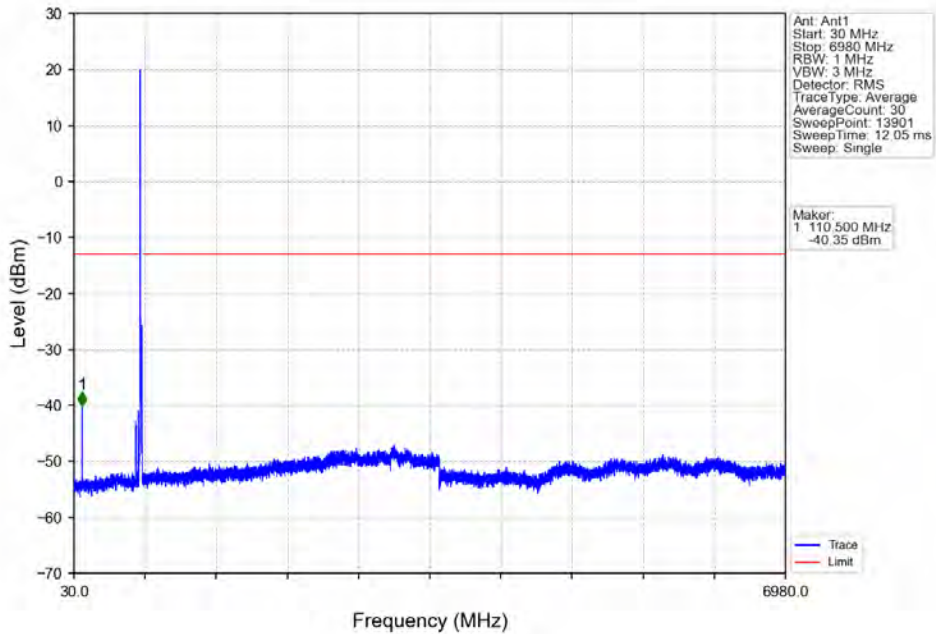
6.2.2 Test Graph



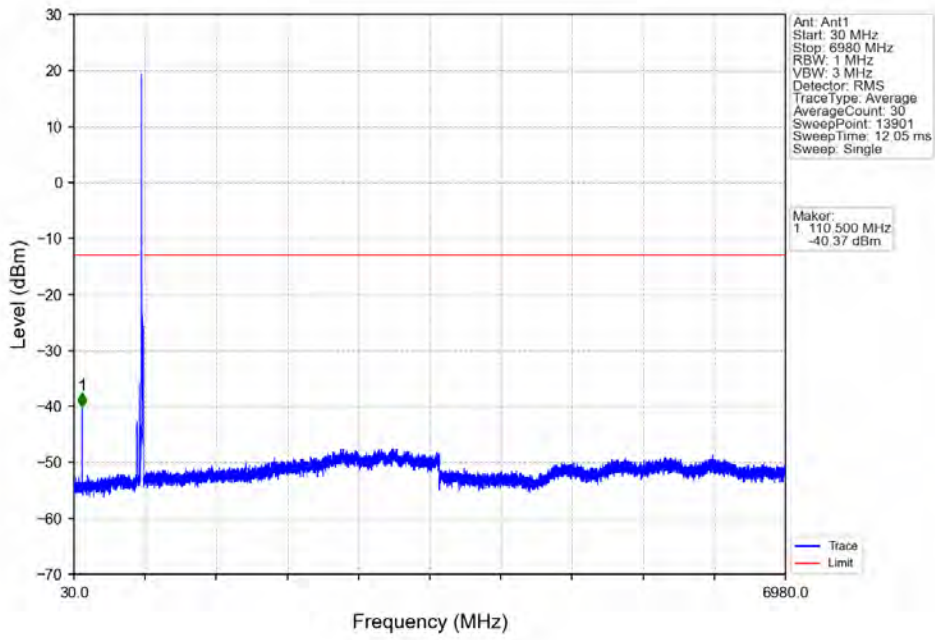
Band71_10MHz_QPSK_LCH_668MHz_RB_50_0_NTNV



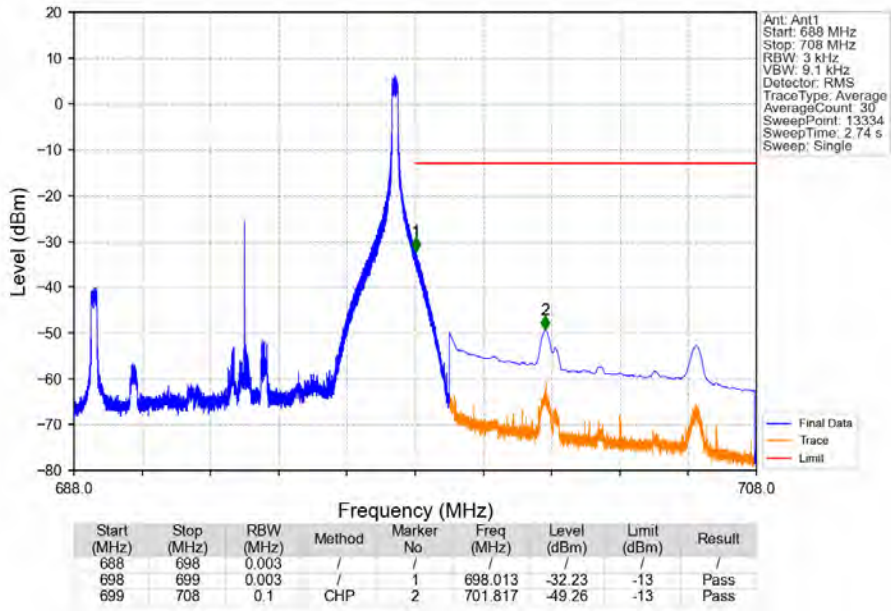
Band71_10MHz_QPSK_MCH_680.5MHz_RB_1_0_NTNV



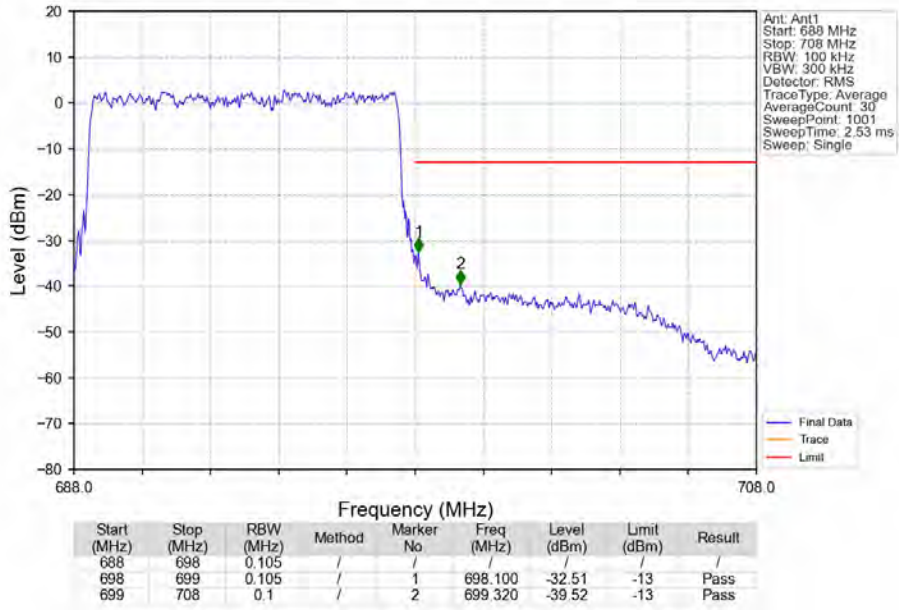
Band71_10MHz_QPSK_HCH_693MHz_RB_1_0_NTNV



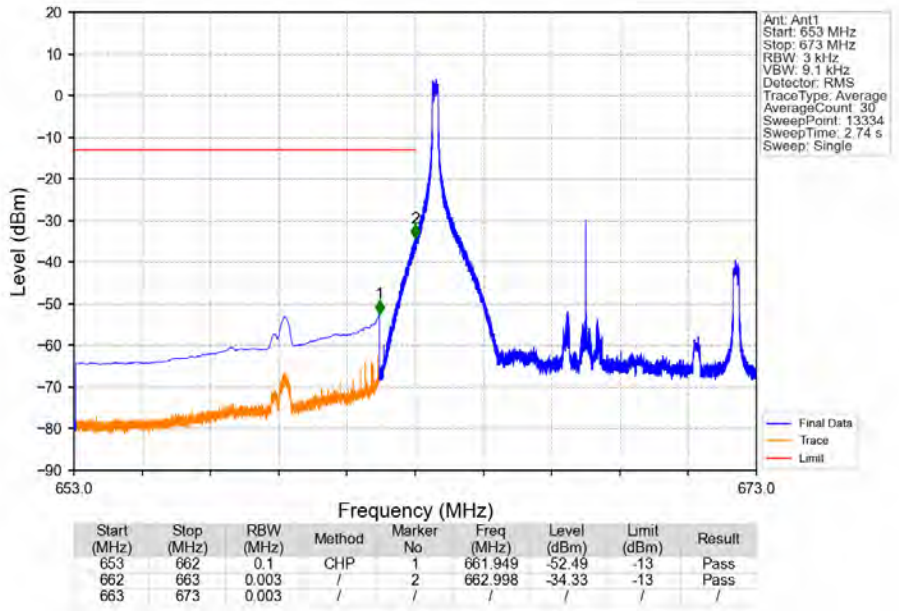
Band71_10MHz_QPSK_HCH_693MHz_RB_1_49_NTNV



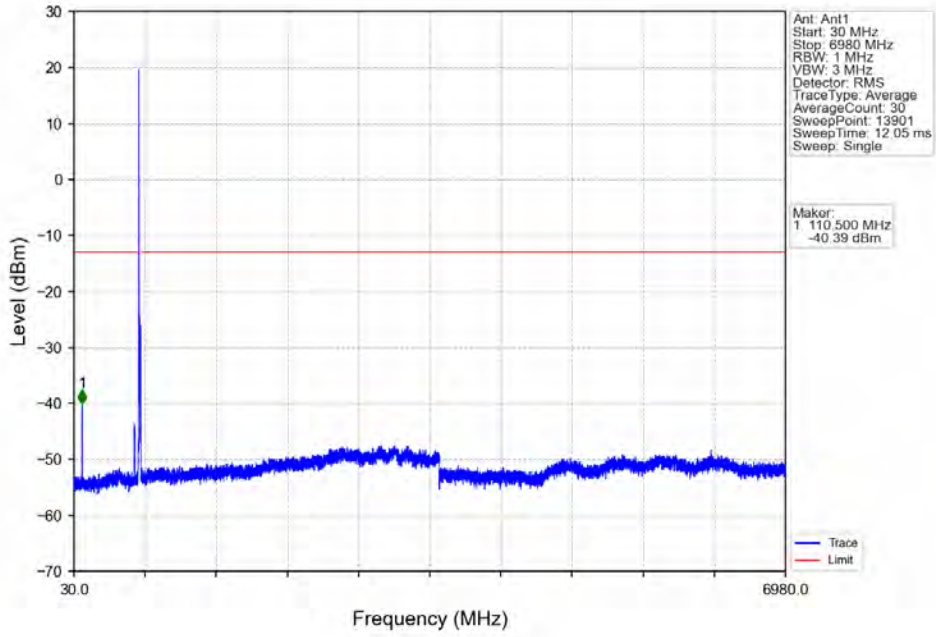
Band71_10MHz_QPSK_HCH_693MHz_RB_50_0_NTNV



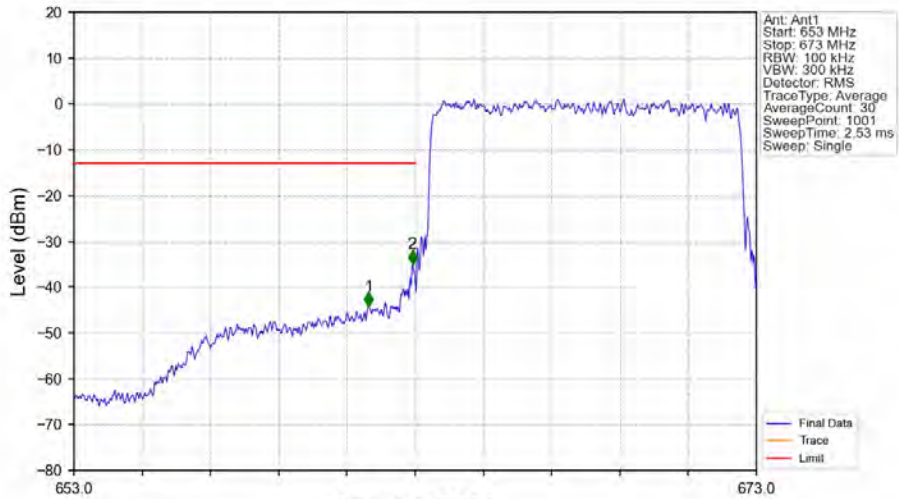
Band71_10MHz_16QAM_LCH_668MHz_RB_1_0_NTNV



Band71_10MHz_16QAM_LCH_668MHz_RB_1_0_NTNV

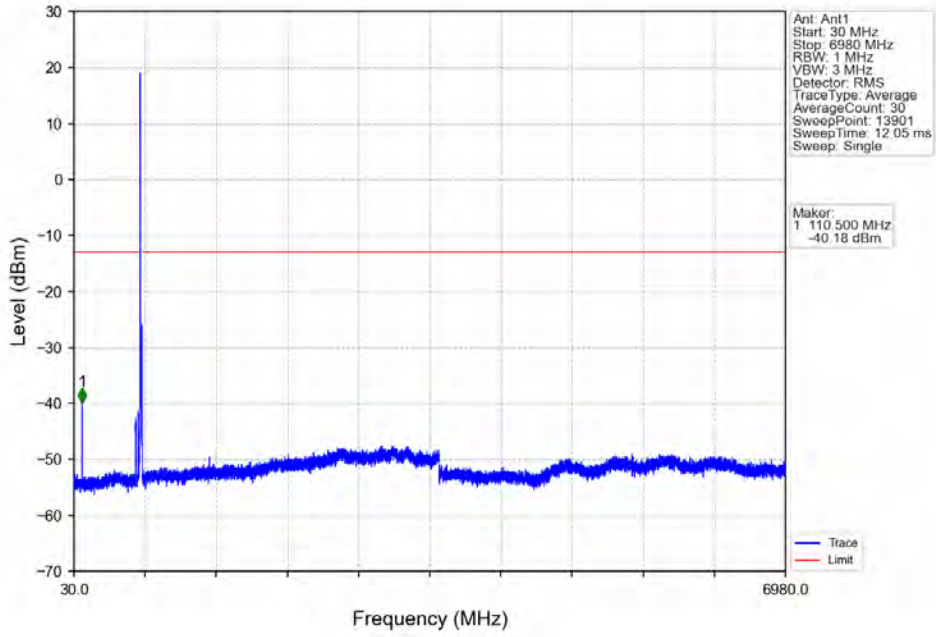


Band71_10MHz_16QAM_LCH_668MHz_RB_50_0_NTNV

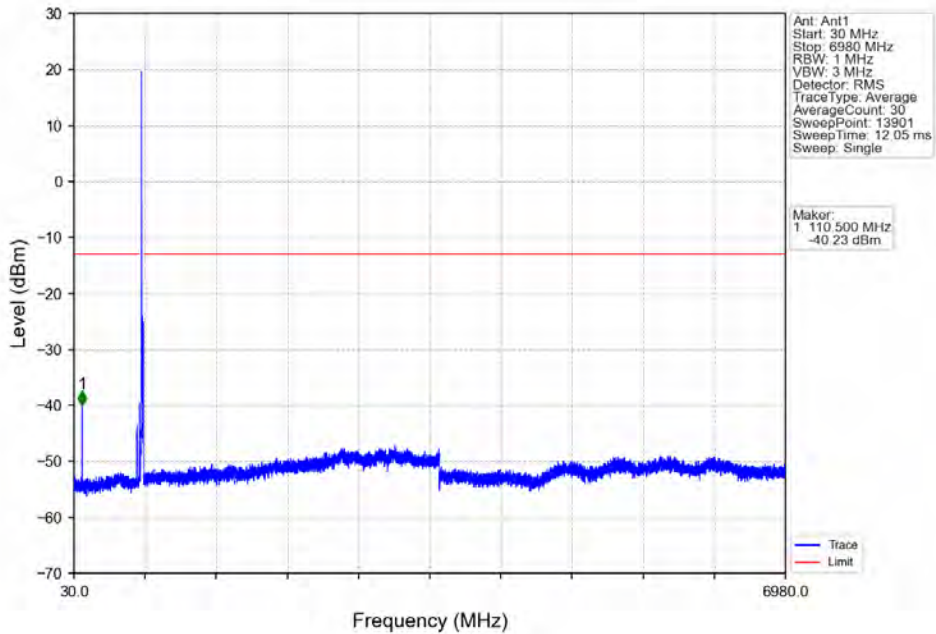


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|-----------|------------|-------------|-------------|--------|
| 653 | 662 | 0.1 | / | 1 | 661.640 | -44.15 | -13 | Pass |
| 662 | 663 | 0.102 | / | 2 | 662.920 | -34.95 | -13 | Pass |
| 663 | 673 | 0.102 | / | / | / | / | / | / |

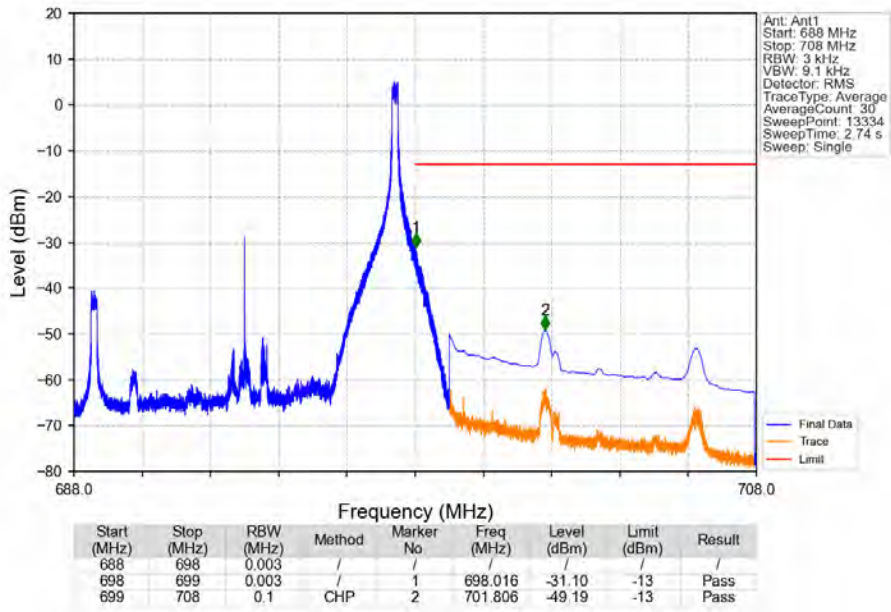
Band71_10MHz_16QAM_MCH_680.5MHz_RB_1_0_NTNV



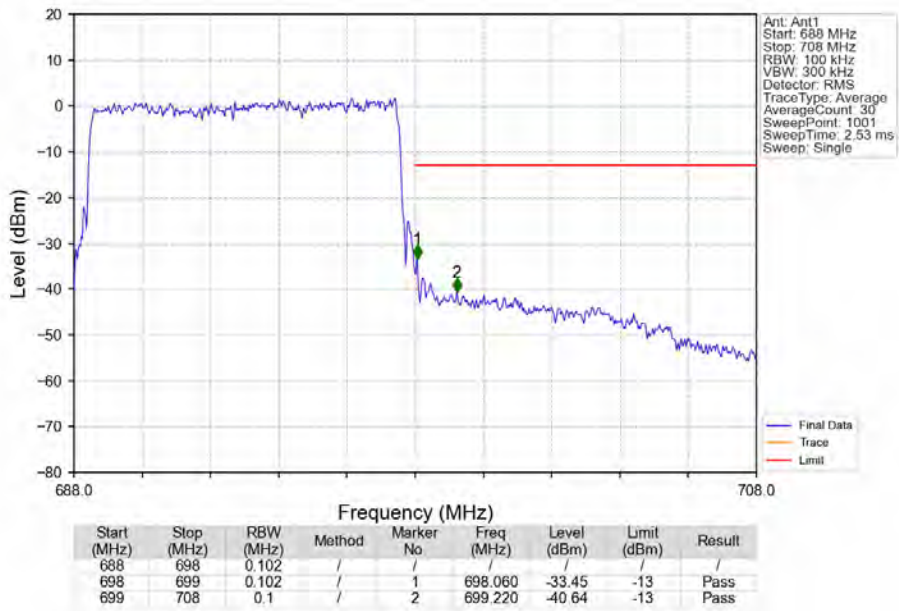
Band71_10MHz_16QAM_HCH_693MHz_RB_1_0_NTNV



Band71_10MHz_16QAM_HCH_693MHz_RB_1_49_NTNV



Band71_10MHz_16QAM_HCH_693MHz_RB_50_0_NTNV

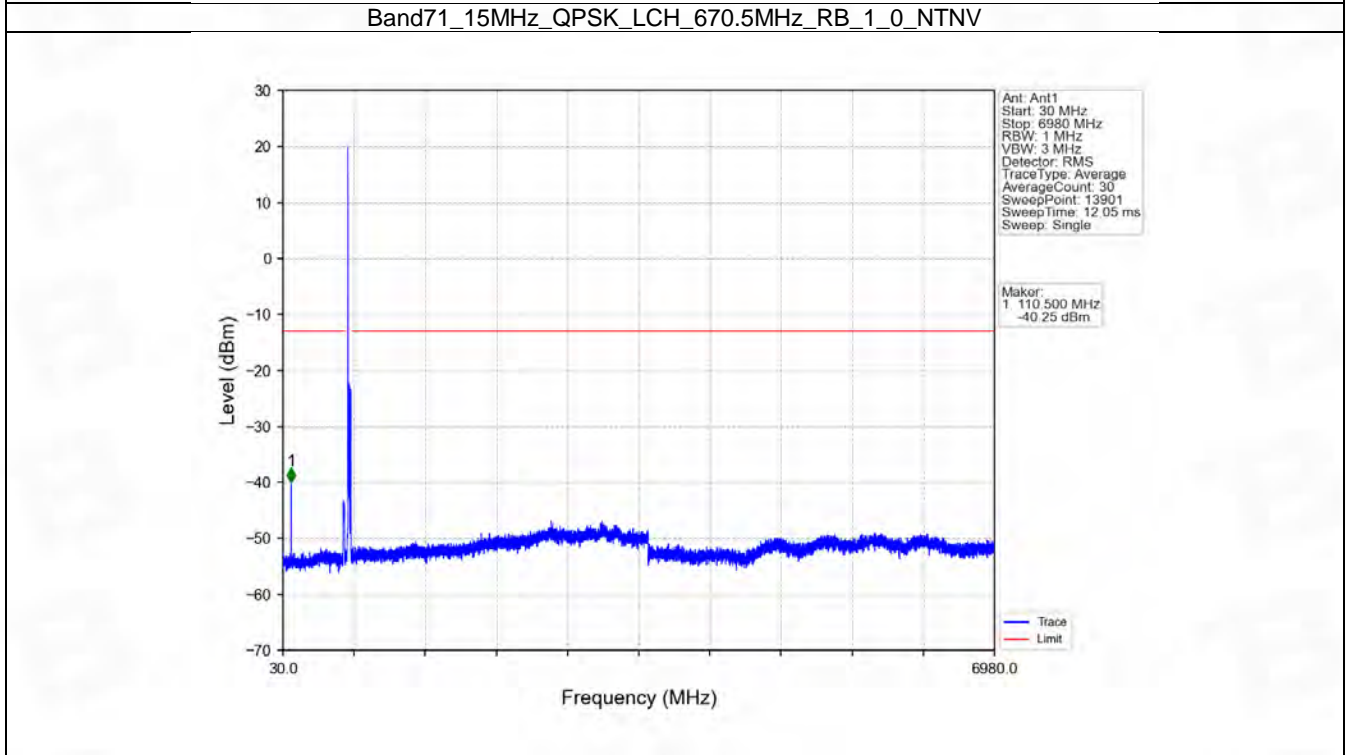
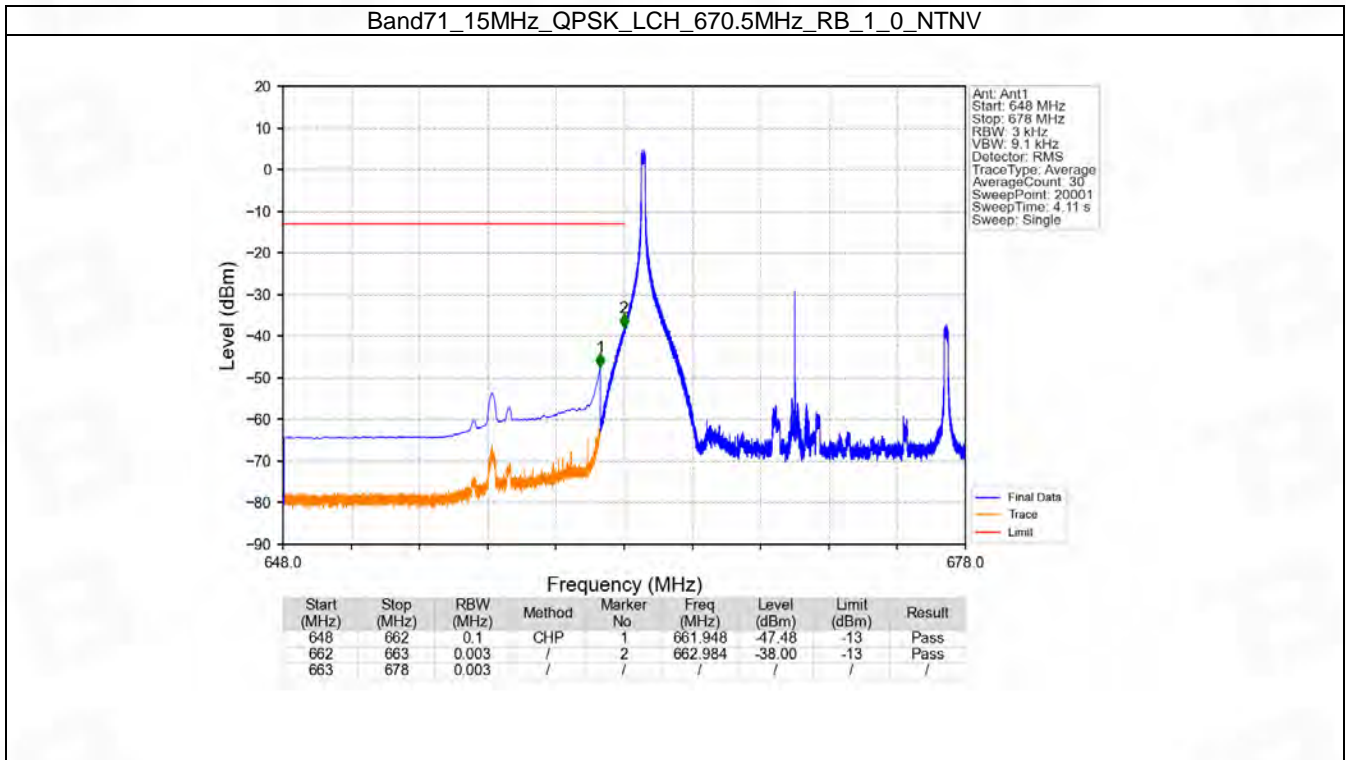


6.3 B71_15MHz

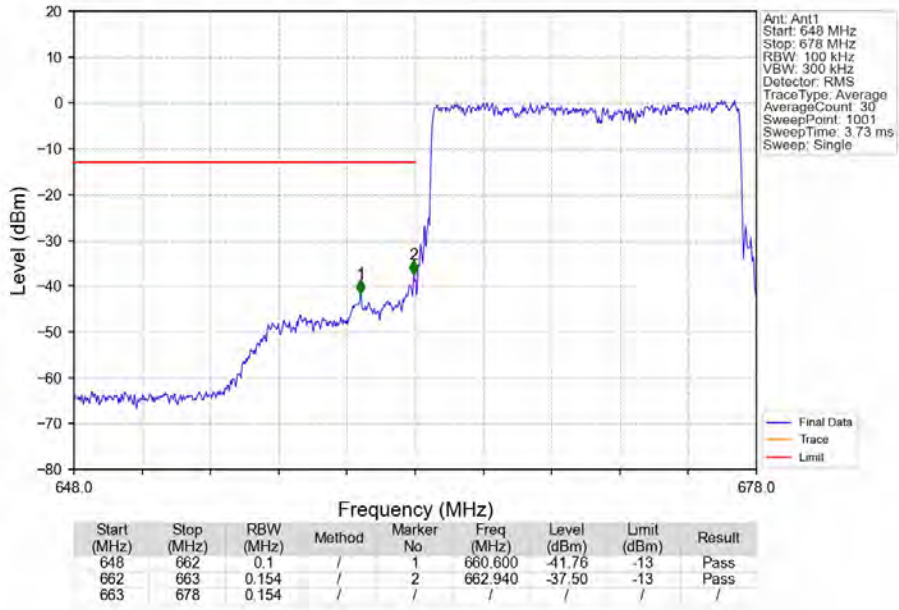
6.3.1 Test Result

| Band: 71 / Bandwidth: 15MHz / NTV | | | | | | |
|-----------------------------------|-----------------|---------------|--------|---------------------|-------|---------|
| Modulation | Frequency (MHz) | RB Allocation | | Spurious Emission | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 670.5 | 1 | 0 | Refer To Test Graph | | Pass |
| | | 75 | 0 | Refer To Test Graph | | Pass |
| | 680.5 | 1 | 0 | Refer To Test Graph | | Pass |
| | | 1 | 0 | Refer To Test Graph | | Pass |
| | 690.5 | 1 | 74 | Refer To Test Graph | | Pass |
| | | 75 | 0 | Refer To Test Graph | | Pass |
| 16QAM | 670.5 | 1 | 0 | Refer To Test Graph | | Pass |
| | | 75 | 0 | Refer To Test Graph | | Pass |
| | 680.5 | 1 | 0 | Refer To Test Graph | | Pass |
| | | 1 | 0 | Refer To Test Graph | | Pass |
| | 690.5 | 1 | 74 | Refer To Test Graph | | Pass |
| | | 75 | 0 | Refer To Test Graph | | Pass |

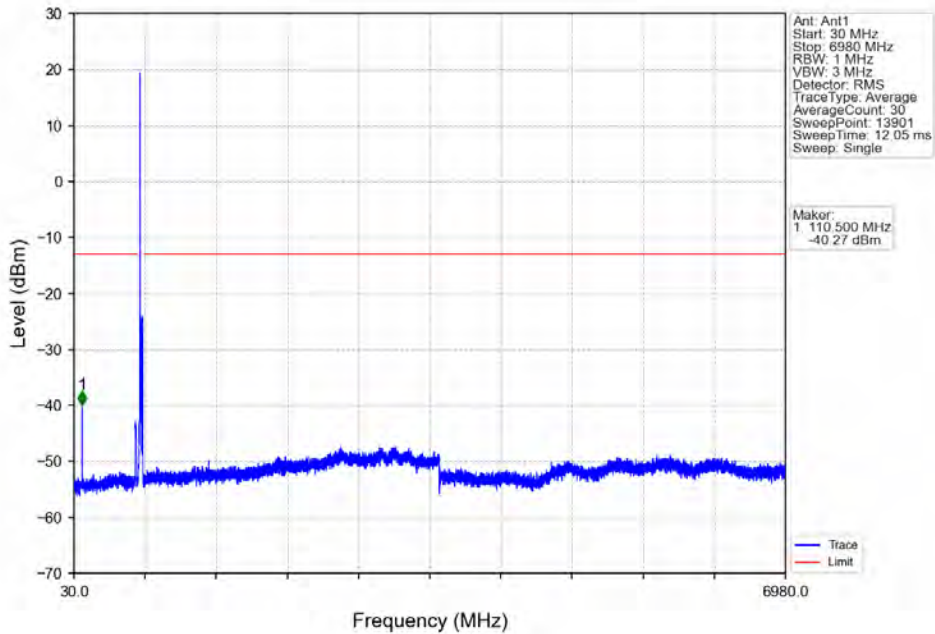
6.3.2 Test Graph



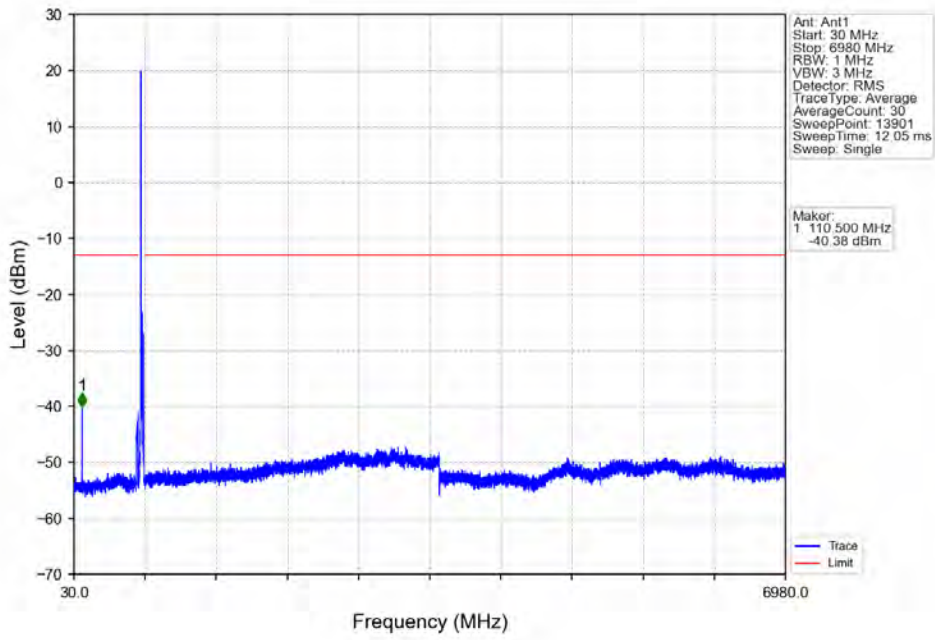
Band71_15MHz_QPSK_LCH_670.5MHz_RB_75_0_NTNV



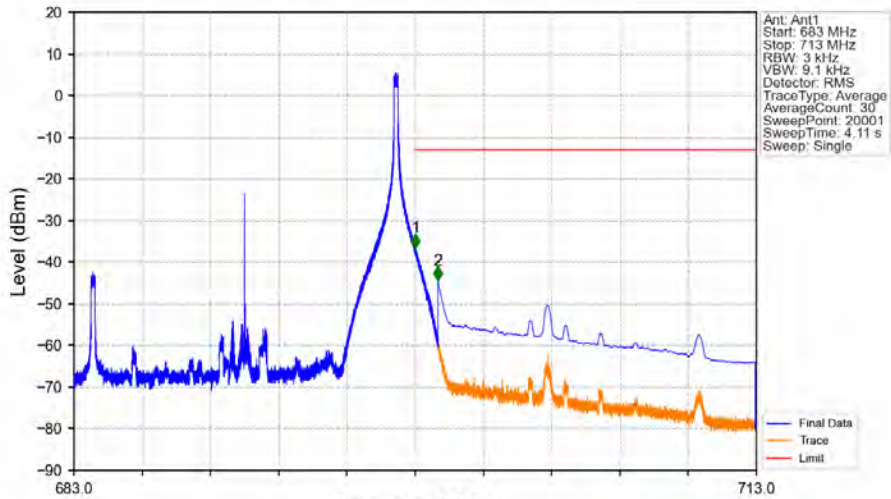
Band71_15MHz_QPSK_MCH_680.5MHz_RB_1_0_NTNV



Band71_15MHz_QPSK_HCH_690.5MHz_RB_1_0_NTNV

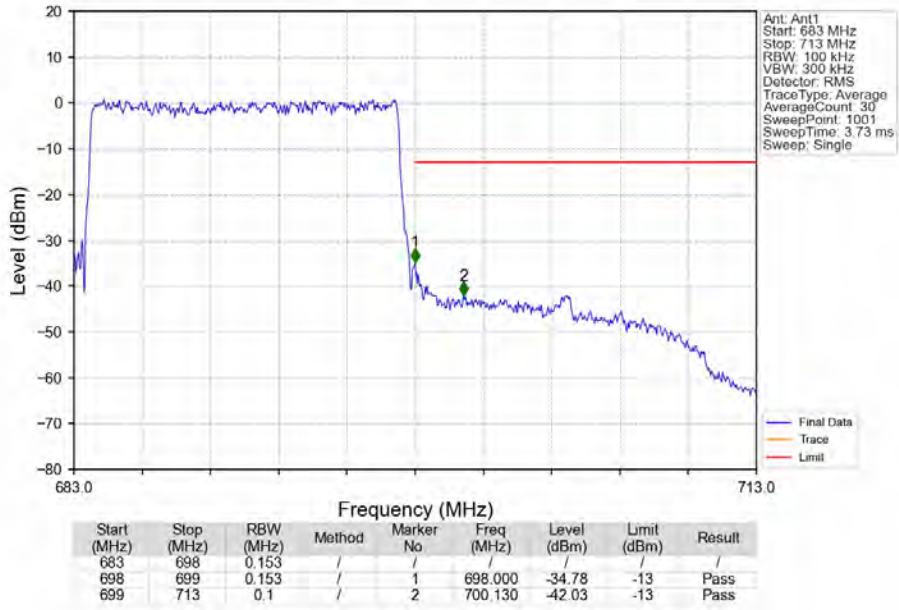


Band71_15MHz_QPSK_HCH_690.5MHz_RB_1_74_NTNV

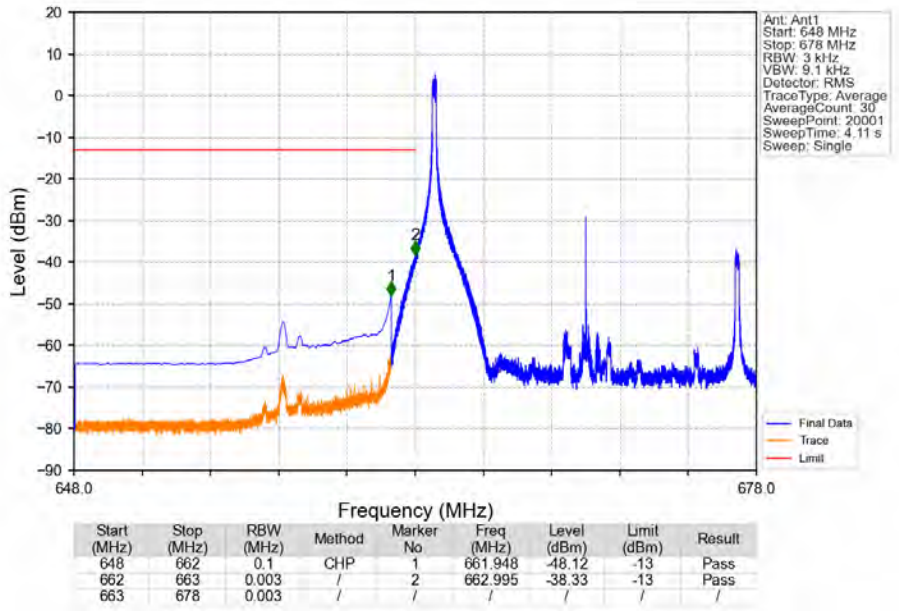


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|-----------|------------|-------------|-------------|--------|
| 683 | 698 | 0.003 | / | 1 | 698.003 | -36.58 | -13 | Pass |
| 698 | 699 | 0.003 | / | 1 | 698.003 | -36.58 | -13 | Pass |
| 699 | 713 | 0.1 | CHP | 2 | 699.000 | -44.42 | -13 | Pass |

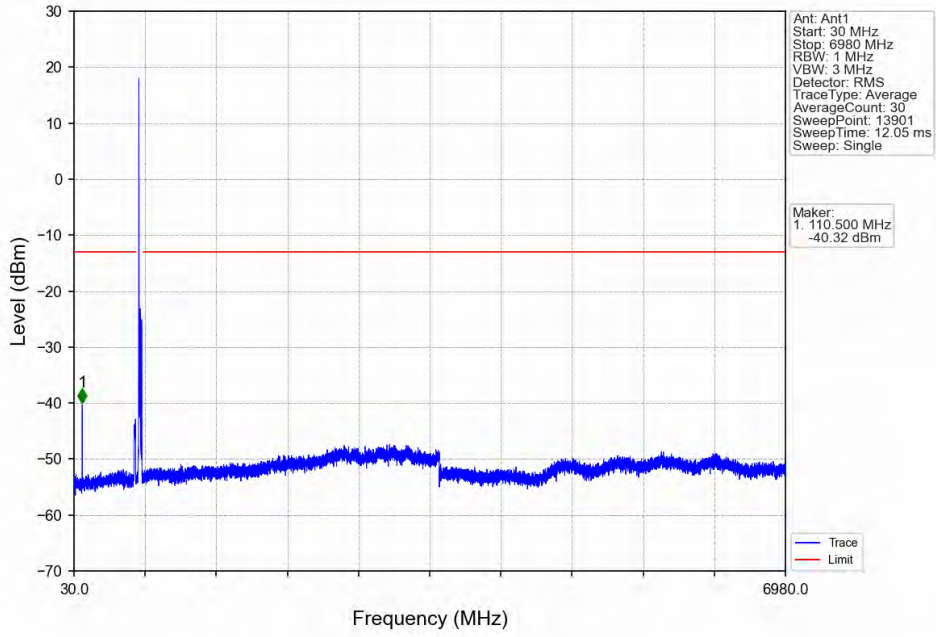
Band71_15MHz_QPSK_HCH_690.5MHz_RB_75_0_NTNV



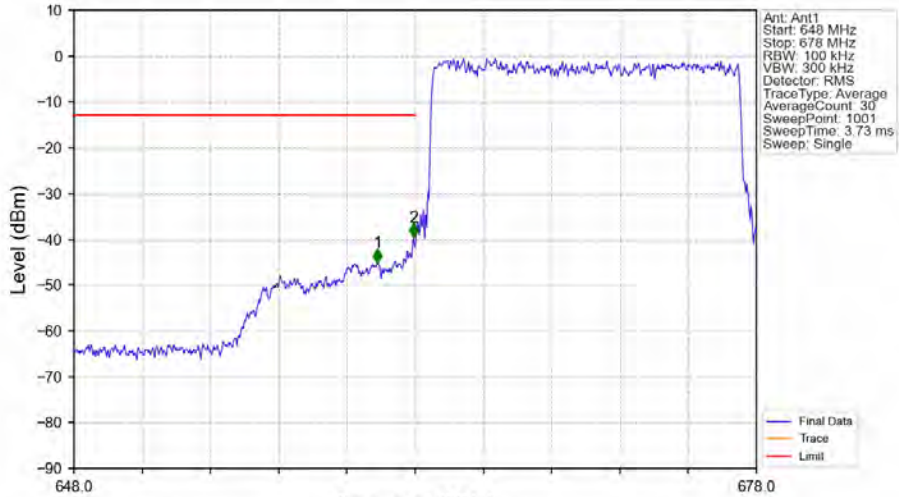
Band71_15MHz_16QAM_LCH_670.5MHz_RB_1_0_NTNV



Band71_15MHz_16QAM_LCH_670.5MHz_RB_1_0_NTNV

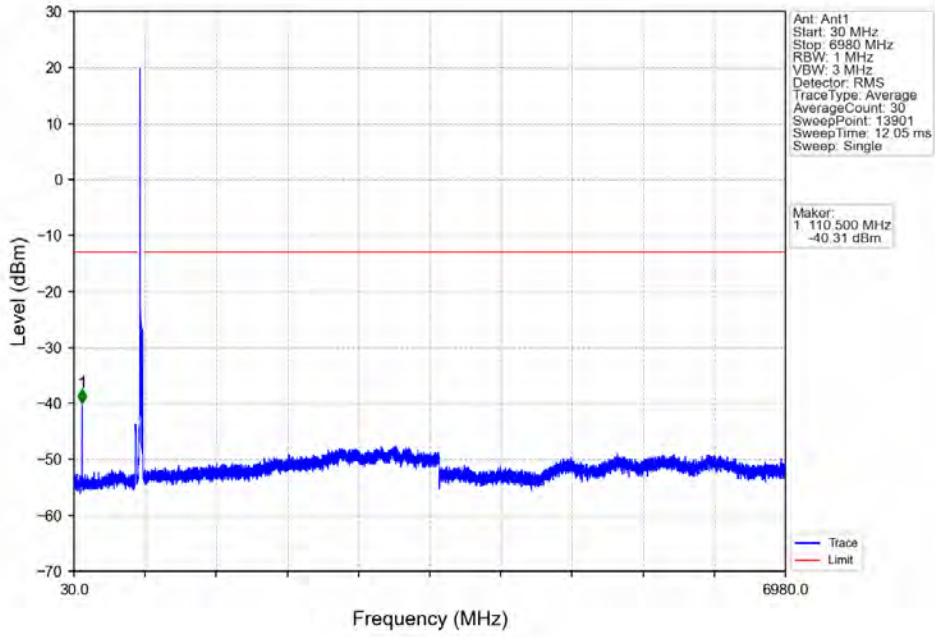


Band71_15MHz_16QAM_LCH_670.5MHz_RB_75_0_NTNV

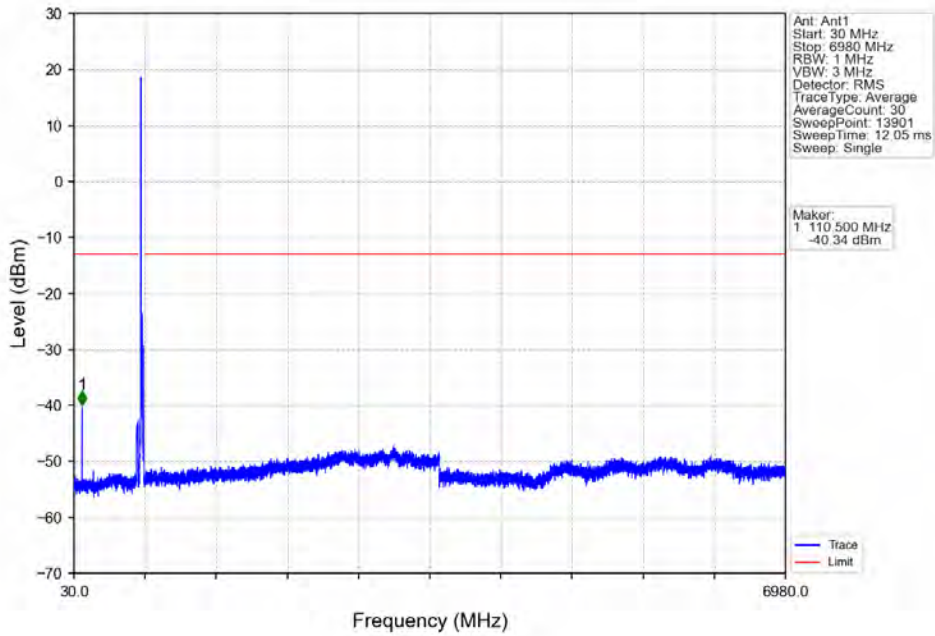


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|-----------|------------|-------------|-------------|--------|
| 648 | 662 | 0.1 | / | 1 | 661.350 | -45.13 | -13 | Pass |
| 662 | 663 | 0.154 | / | 2 | 662.940 | -39.59 | -13 | Pass |
| 663 | 678 | 0.154 | / | / | / | / | / | / |

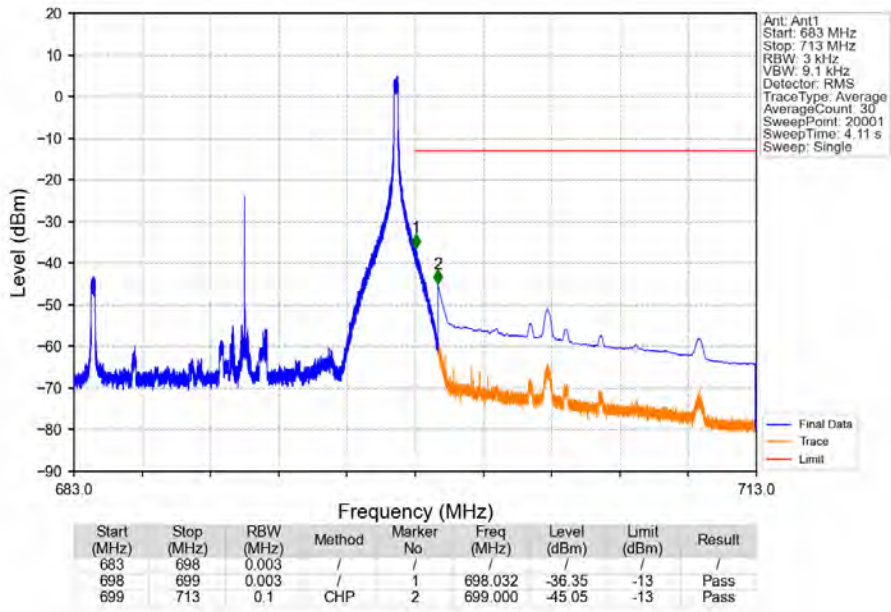
Band71_15MHz_16QAM_MCH_680.5MHz_RB_1_0_NTNV



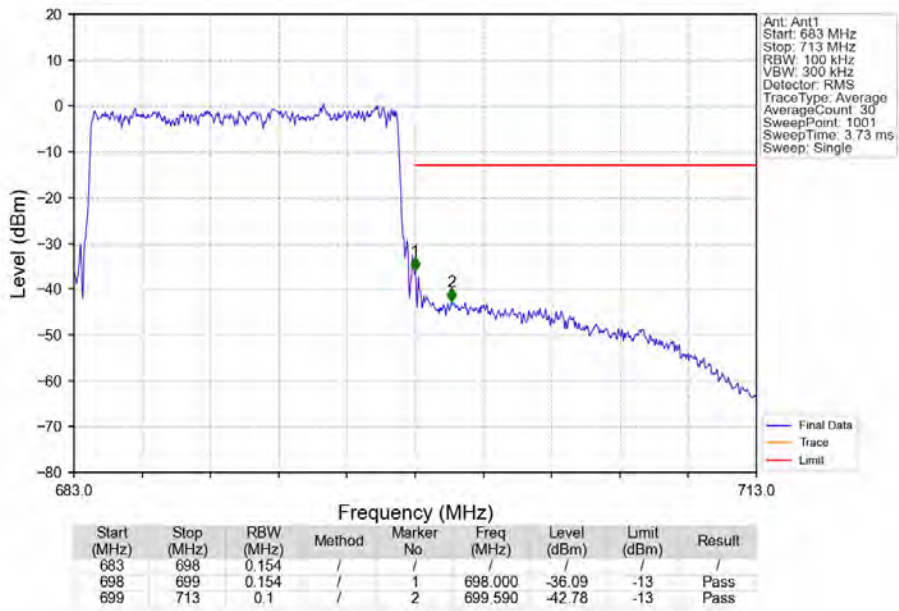
Band71_15MHz_16QAM_HCH_690.5MHz_RB_1_0_NTNV



Band71_15MHz_16QAM_HCH_690.5MHz_RB_1_74_NTNV



Band71_15MHz_16QAM_HCH_690.5MHz_RB_75_0_NTNV

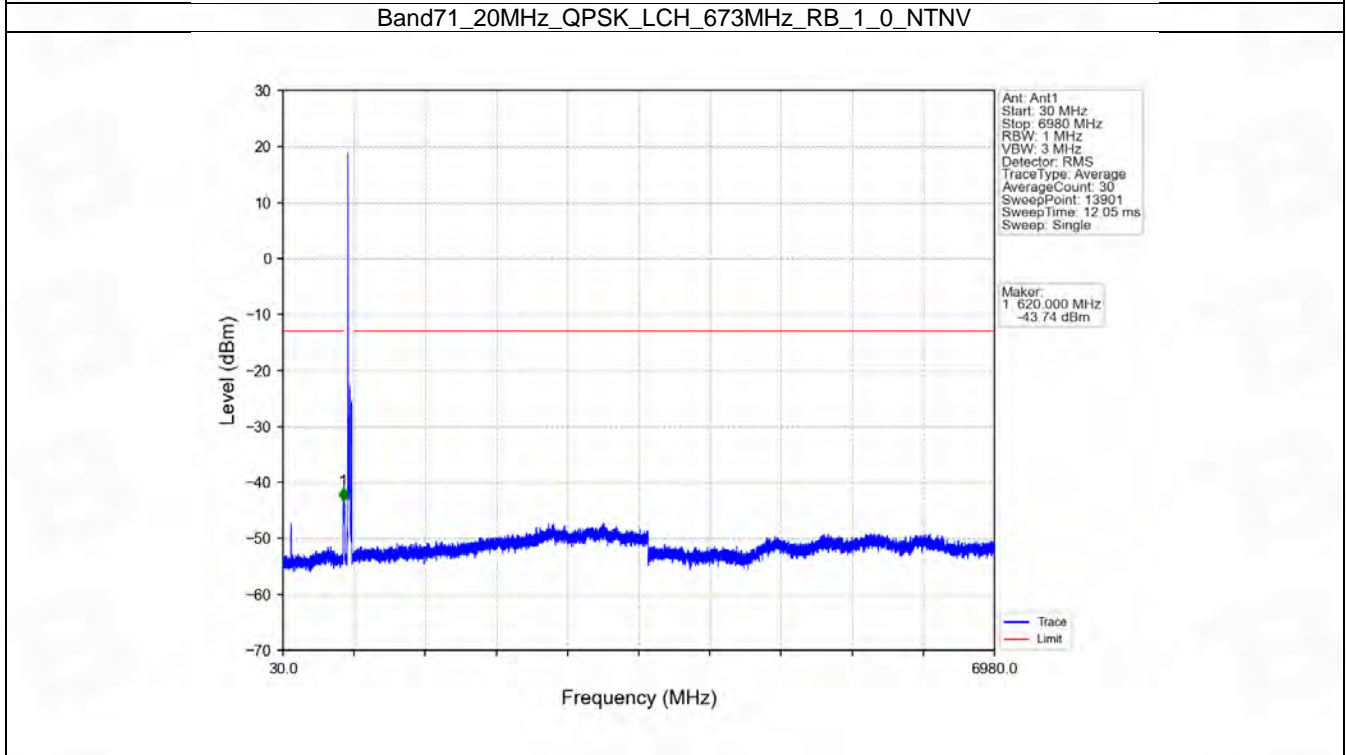
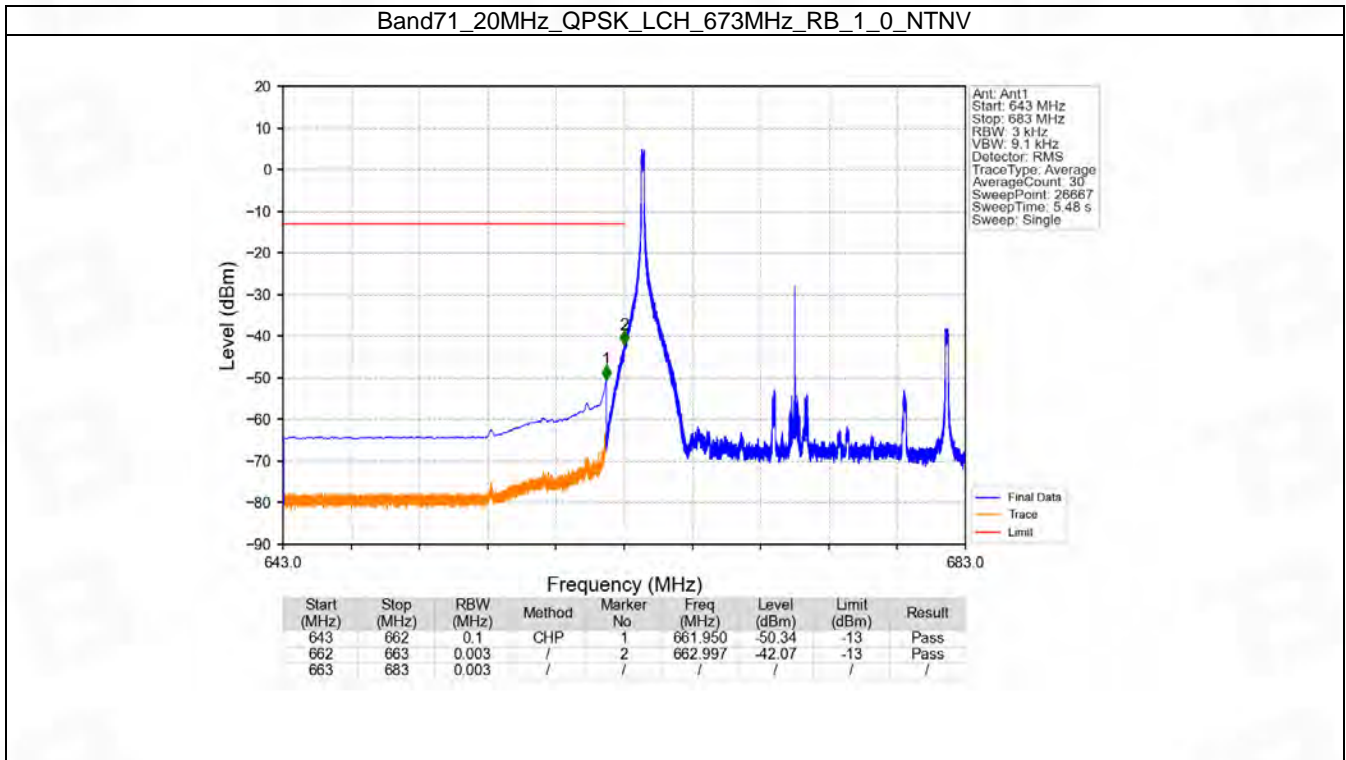


6.4 B71_20MHz

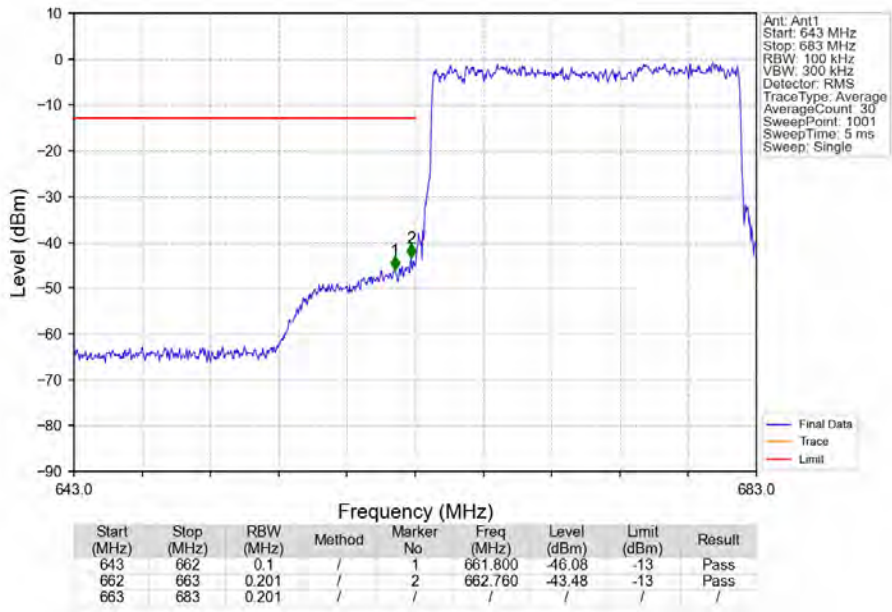
6.4.1 Test Result

| Band: 71 / Bandwidth: 20MHz / NTV | | | | | | |
|-----------------------------------|-----------------|---------------|--------|---------------------|-------|---------|
| Modulation | Frequency (MHz) | RB Allocation | | Spurious Emission | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 673 | 1 | 0 | Refer To Test Graph | | Pass |
| | | 100 | 0 | Refer To Test Graph | | Pass |
| | 688 | 1 | 0 | Refer To Test Graph | | Pass |
| | | | 99 | Refer To Test Graph | | Pass |
| | | 100 | 0 | Refer To Test Graph | | Pass |
| | | | 0 | Refer To Test Graph | | Pass |
| 16QAM | 673 | 1 | 0 | Refer To Test Graph | | Pass |
| | | 100 | 0 | Refer To Test Graph | | Pass |
| | 688 | 1 | 0 | Refer To Test Graph | | Pass |
| | | | 99 | Refer To Test Graph | | Pass |
| | | 100 | 0 | Refer To Test Graph | | Pass |
| | | | 0 | Refer To Test Graph | | Pass |

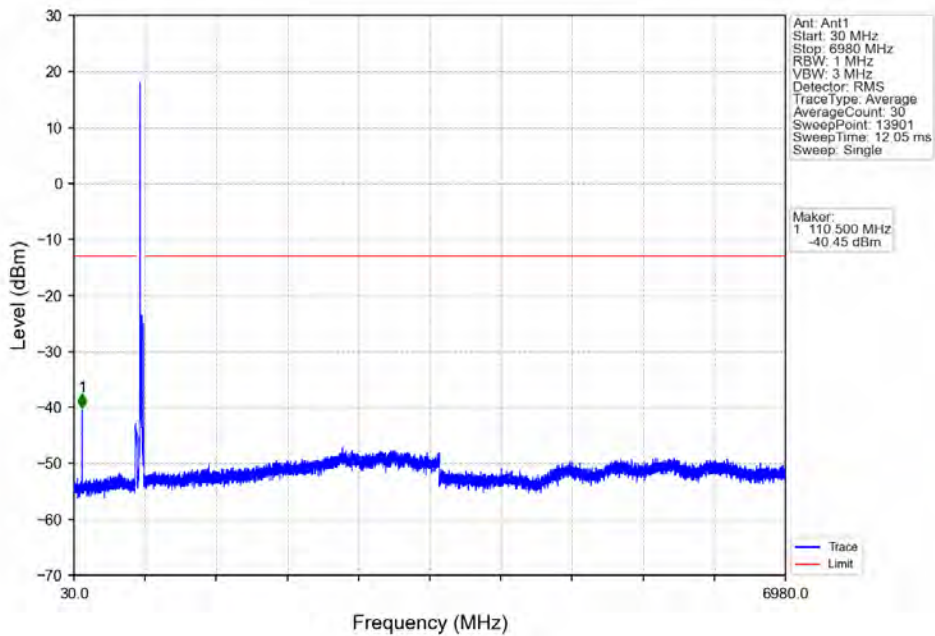
6.4.2 Test Graph



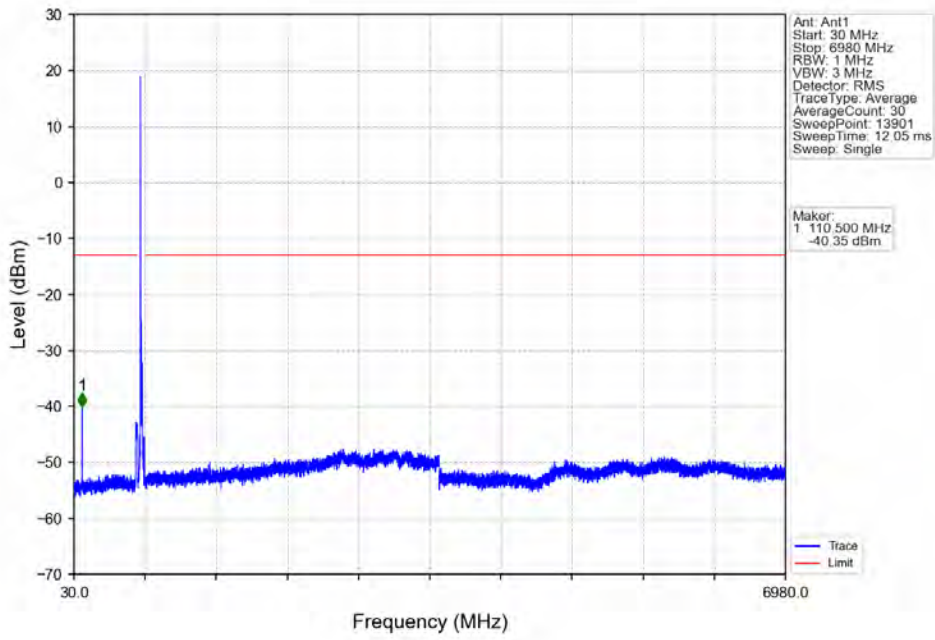
Band71_20MHz_QPSK_LCH_673MHz_RB_100_0_NTNV



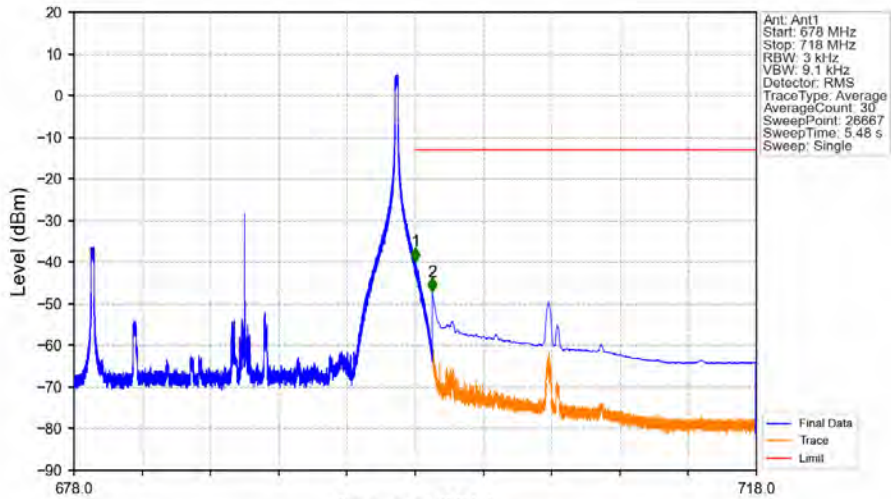
Band71_20MHz_QPSK_MCH_683MHz_RB_1_0_NTNV



Band71_20MHz_QPSK_HCH_688MHz_RB_1_0_NTNV

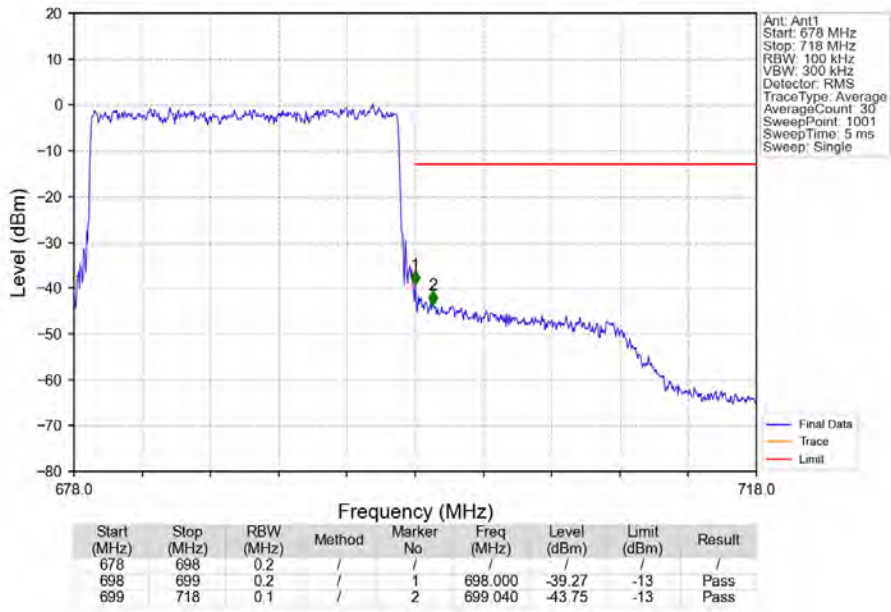


Band71_20MHz_QPSK_HCH_688MHz_RB_1_99_NTNV

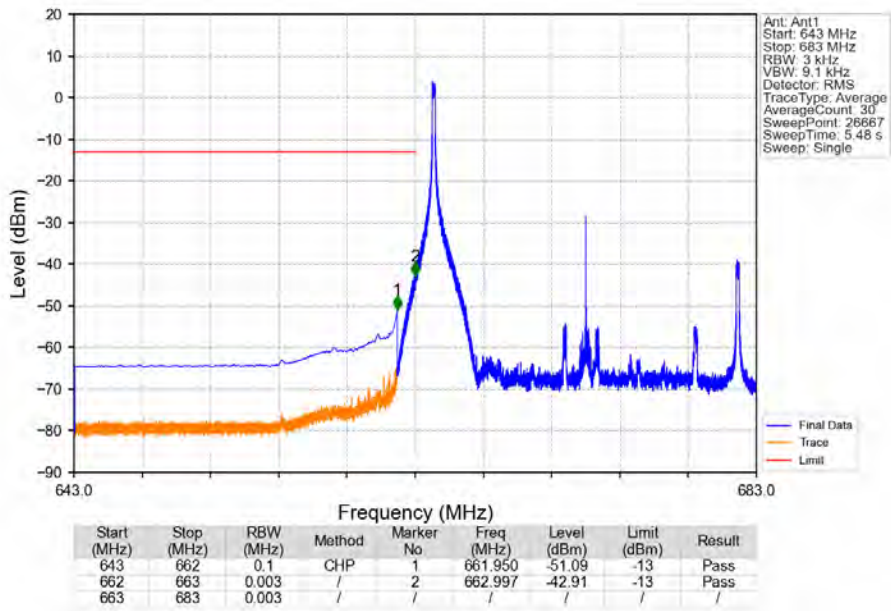


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|-----------|------------|-------------|-------------|--------|
| 678 | 698 | 0.003 | / | 1 | 698.003 | -39.85 | -13 | Pass |
| 698 | 699 | 0.003 | / | 2 | 699.001 | -47.21 | -13 | Pass |
| 699 | 718 | 0.1 | CHP | | | | | |

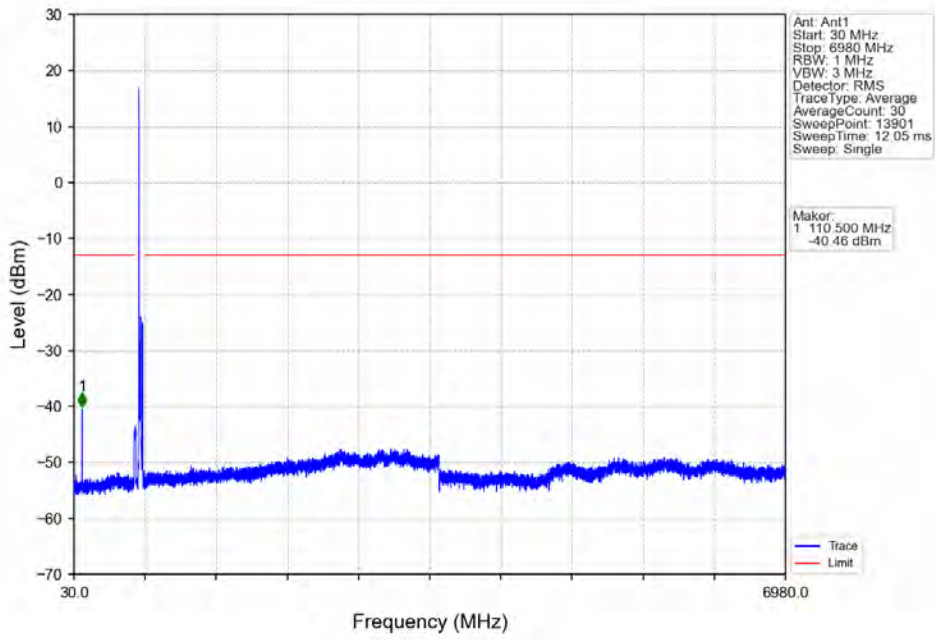
Band71_20MHz_QPSK_HCH_688MHz_RB_100_0_NTNV



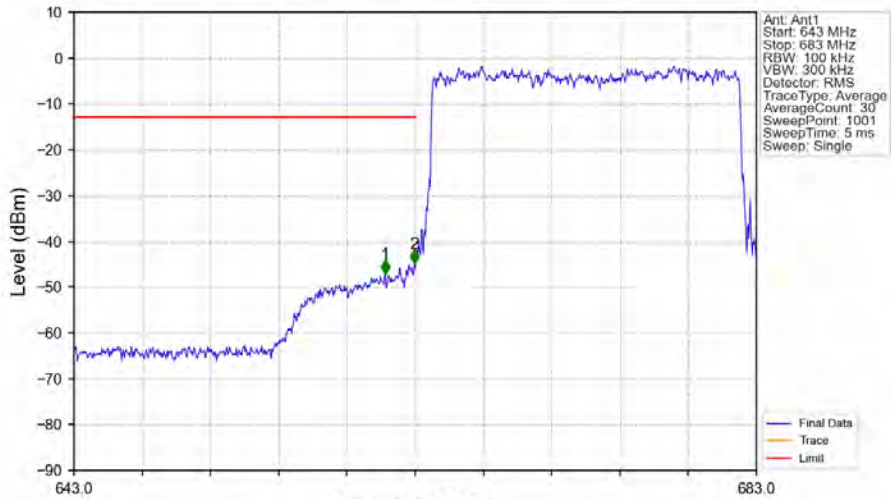
Band71_20MHz_16QAM_LCH_673MHz_RB_1_0_NTNV



Band71_20MHz_16QAM_LCH_673MHz_RB_1_0_NTNV

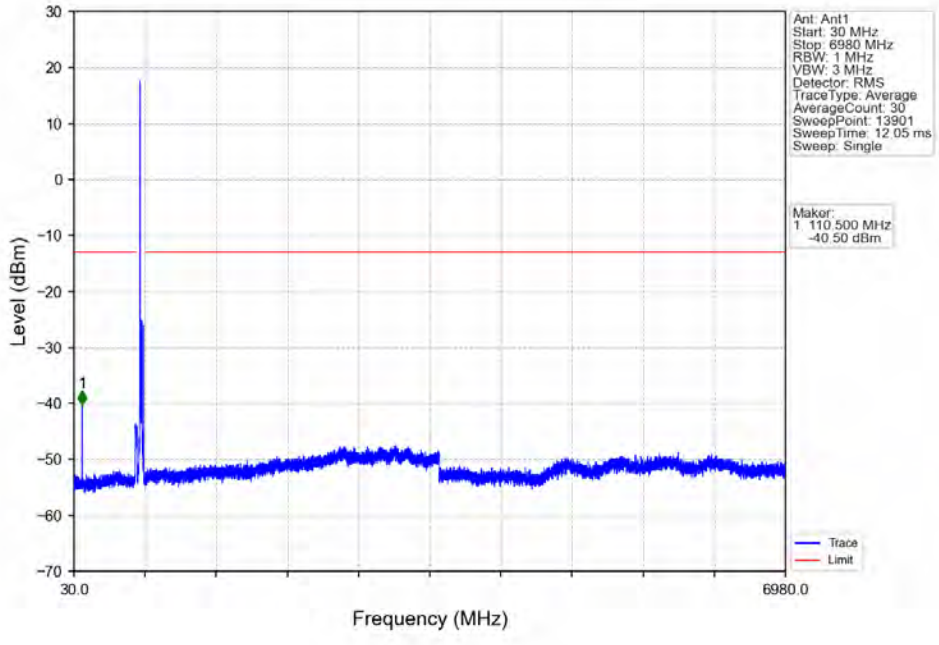


Band71_20MHz_16QAM_LCH_673MHz_RB_100_0_NTNV

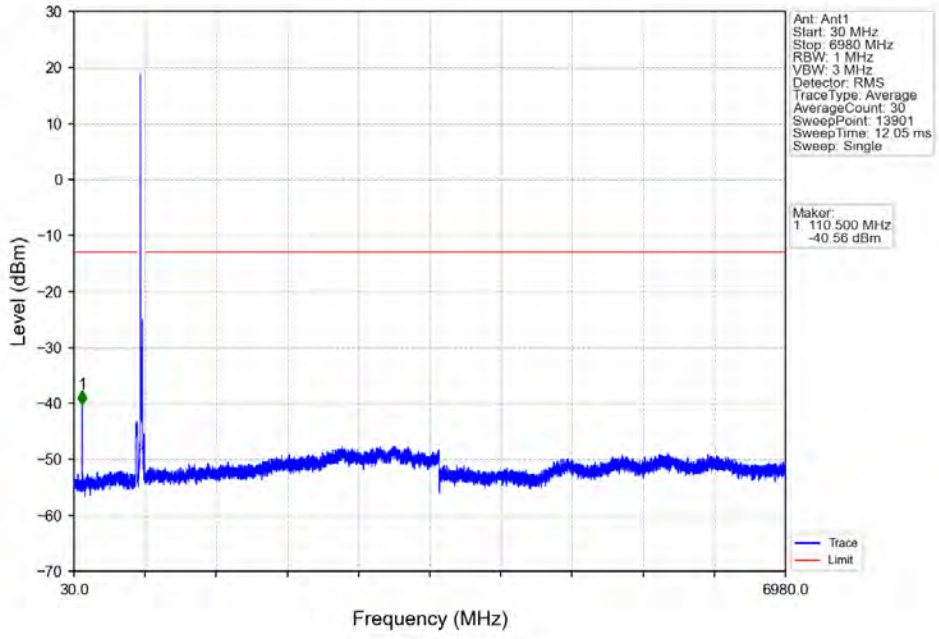


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|-----------|------------|-------------|-------------|--------|
| 643 | 662 | 0.1 | / | 1 | 661.240 | -47.17 | -13 | Pass |
| 662 | 663 | 0.2 | / | 2 | 662.960 | -44.86 | -13 | Pass |
| 663 | 683 | 0.2 | / | / | / | / | / | / |

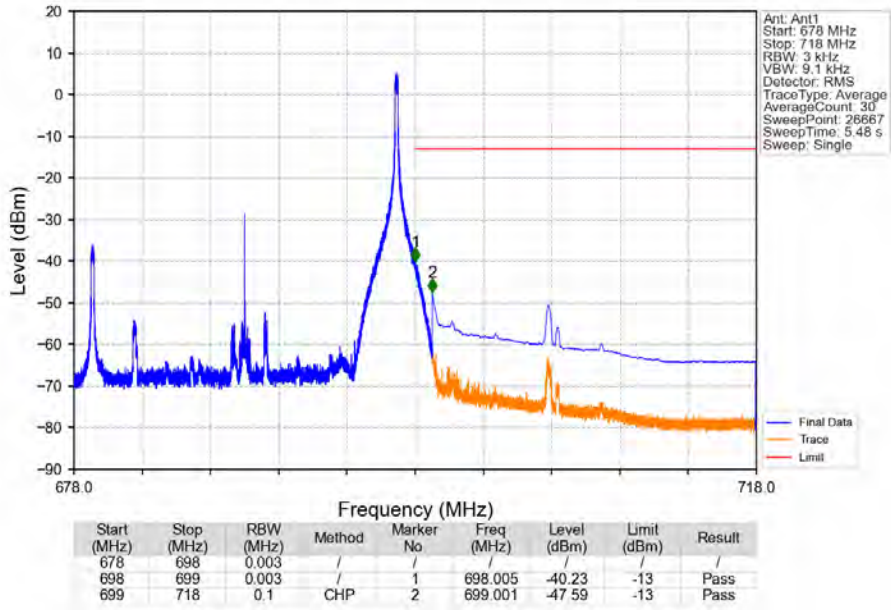
Band71_20MHz_16QAM_MCH_683MHz_RB_1_0_NTNV



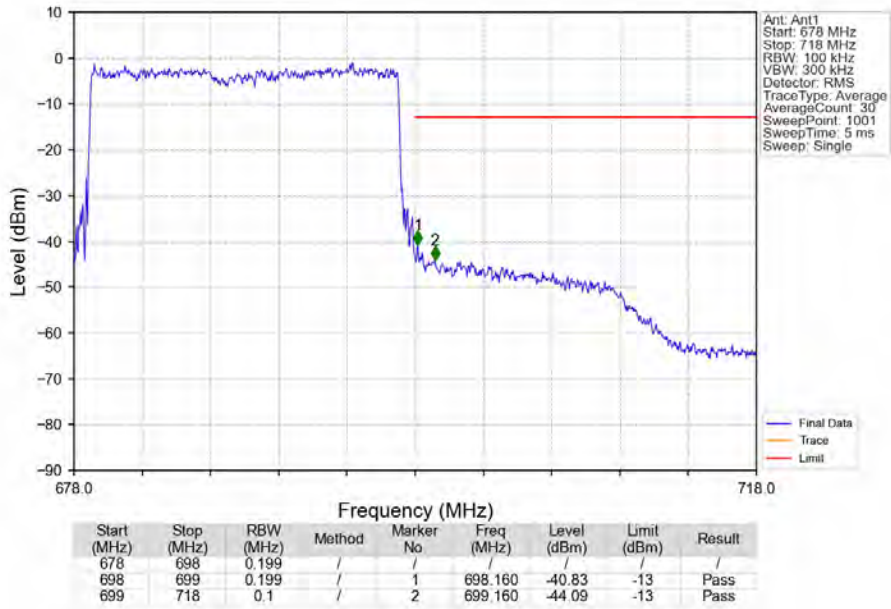
Band71_20MHz_16QAM_HCH_688MHz_RB_1_0_NTNV



Band71_20MHz_16QAM_HCH_688MHz_RB_1_99_NTNV



Band71_20MHz_16QAM_HCH_688MHz_RB_100_0_NTNV



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) |
|------|----|------------|-----------|---------------|--------|--------|---------------------|------------|-----------------|
| 71 | 5 | 665.5 | 695.5 | 0.1371 | 0.0313 | ppm | 4M59G7D | 27N | 21.37 |
| 71 | 5 | 665.5 | 695.5 | 0.1117 | 0.0169 | ppm | 4M62W7D | 27N | 20.48 |
| 71 | 10 | 668 | 693 | 0.1358 | 0.0146 | ppm | 9M09G7D | 27N | 21.33 |
| 71 | 10 | 668 | 693 | 0.1132 | 0.0138 | ppm | 9M06W7D | 27N | 20.54 |
| 71 | 15 | 670.5 | 690.5 | 0.1337 | 0.0149 | ppm | 13M6G7D | 27N | 21.26 |
| 71 | 15 | 670.5 | 690.5 | 0.1117 | 0.0150 | ppm | 13M7W7D | 27N | 20.48 |
| 71 | 20 | 673 | 688 | 0.1303 | 0.0133 | ppm | 18M2G7D | 27N | 21.15 |
| 71 | 20 | 673 | 688 | 0.1079 | 0.0157 | ppm | 18M2W7D | 27N | 20.33 |

7.2 Form731_ERP

7.2.1 Test Result

| Band | BW | Lower Freq | High Freq | MAX Power (W) | Value | Hz/ppm | Emission Designator | Rule Parts | MAX Power (dBm) |
|------|----|------------|-----------|---------------|--------|--------|---------------------|------------|-----------------|
| 71 | 5 | 665.5 | 695.5 | 0.0571 | 0.0313 | ppm | 4M59G7D | 27N | 17.57 |
| 71 | 5 | 665.5 | 695.5 | 0.0466 | 0.0169 | ppm | 4M62W7D | 27N | 16.68 |
| 71 | 10 | 668 | 693 | 0.0566 | 0.0146 | ppm | 9M09G7D | 27N | 17.53 |
| 71 | 10 | 668 | 693 | 0.0472 | 0.0138 | ppm | 9M06W7D | 27N | 16.74 |
| 71 | 15 | 670.5 | 690.5 | 0.0557 | 0.0149 | ppm | 13M6G7D | 27N | 17.46 |
| 71 | 15 | 670.5 | 690.5 | 0.0466 | 0.0150 | ppm | 13M7W7D | 27N | 16.68 |
| 71 | 20 | 673 | 688 | 0.0543 | 0.0133 | ppm | 18M2G7D | 27N | 17.35 |
| 71 | 20 | 673 | 688 | 0.0450 | 0.0157 | ppm | 18M2W7D | 27N | 16.53 |