

# 1. Effective (Isotropic) Radiated Power Output Data (External Antenna)

## 1.1 Test Result

### 1.1.1 B71\_5MHz\_ERP

| 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      | 23.31                 | -0.16      | 21.00     | <=34.77 | Pass    |
|                                   |                 |               | 13     | 23.59                 | -0.16      | 21.28     | <=34.77 | Pass    |
|                                   |                 |               | 24     | 23.20                 | -0.16      | 20.89     | <=34.77 | Pass    |
|                                   |                 | 12            | 0      | 22.44                 | -0.16      | 20.13     | <=34.77 | Pass    |
|                                   |                 |               | 6      | 22.55                 | -0.16      | 20.24     | <=34.77 | Pass    |
|                                   |                 |               | 13     | 22.40                 | -0.16      | 20.09     | <=34.77 | Pass    |
|                                   |                 | 25            | 0      | 22.38                 | -0.16      | 20.07     | <=34.77 | Pass    |
|                                   | 680.5           | 1             | 0      | 23.36                 | -0.16      | 21.05     | <=34.77 | Pass    |
|                                   |                 |               | 13     | 23.38                 | -0.16      | 21.07     | <=34.77 | Pass    |
|                                   |                 |               | 24     | 23.22                 | -0.16      | 20.91     | <=34.77 | Pass    |
|                                   |                 | 12            | 0      | 22.17                 | -0.16      | 19.86     | <=34.77 | Pass    |
|                                   |                 |               | 6      | 22.16                 | -0.16      | 19.85     | <=34.77 | Pass    |
|                                   |                 |               | 13     | 22.12                 | -0.16      | 19.81     | <=34.77 | Pass    |
|                                   |                 | 25            | 0      | 22.14                 | -0.16      | 19.83     | <=34.77 | Pass    |
|                                   | 695.5           | 1             | 0      | 23.19                 | -0.16      | 20.88     | <=34.77 | Pass    |
|                                   |                 |               | 13     | 23.31                 | -0.16      | 21.00     | <=34.77 | Pass    |
|                                   |                 |               | 24     | 23.20                 | -0.16      | 20.89     | <=34.77 | Pass    |
|                                   |                 | 12            | 0      | 22.25                 | -0.16      | 19.94     | <=34.77 | Pass    |
|                                   |                 |               | 6      | 22.27                 | -0.16      | 19.96     | <=34.77 | Pass    |
|                                   |                 |               | 13     | 22.22                 | -0.16      | 19.91     | <=34.77 | Pass    |
|                                   |                 | 25            | 0      | 22.20                 | -0.16      | 19.89     | <=34.77 | Pass    |
| 16QAM                             | 665.5           | 1             | 0      | 22.12                 | -0.16      | 19.81     | <=34.77 | Pass    |
|                                   |                 |               | 13     | 22.30                 | -0.16      | 19.99     | <=34.77 | Pass    |
|                                   |                 |               | 24     | 21.97                 | -0.16      | 19.66     | <=34.77 | Pass    |
|                                   |                 | 12            | 0      | 21.32                 | -0.16      | 19.01     | <=34.77 | Pass    |
|                                   |                 |               | 6      | 21.49                 | -0.16      | 19.18     | <=34.77 | Pass    |
|                                   |                 |               | 13     | 21.25                 | -0.16      | 18.94     | <=34.77 | Pass    |
|                                   |                 | 25            | 0      | 21.36                 | -0.16      | 19.05     | <=34.77 | Pass    |
|                                   | 680.5           | 1             | 0      | 22.28                 | -0.16      | 19.97     | <=34.77 | Pass    |
|                                   |                 |               | 13     | 22.03                 | -0.16      | 19.72     | <=34.77 | Pass    |
|                                   |                 |               | 24     | 21.80                 | -0.16      | 19.49     | <=34.77 | Pass    |
|                                   |                 | 12            | 0      | 21.14                 | -0.16      | 18.83     | <=34.77 | Pass    |
|                                   |                 |               | 6      | 21.15                 | -0.16      | 18.84     | <=34.77 | Pass    |
|                                   |                 |               | 13     | 21.01                 | -0.16      | 18.70     | <=34.77 | Pass    |
|                                   |                 | 25            | 0      | 21.09                 | -0.16      | 18.78     | <=34.77 | Pass    |
|                                   | 695.5           | 1             | 0      | 21.92                 | -0.16      | 19.61     | <=34.77 | Pass    |
|                                   |                 |               | 13     | 21.90                 | -0.16      | 19.59     | <=34.77 | Pass    |
|                                   |                 |               | 24     | 21.79                 | -0.16      | 19.48     | <=34.77 | Pass    |
|                                   |                 | 12            | 0      | 21.07                 | -0.16      | 18.76     | <=34.77 | Pass    |
|                                   |                 |               | 6      | 21.18                 | -0.16      | 18.87     | <=34.77 | Pass    |
|                                   |                 |               | 13     | 21.02                 | -0.16      | 18.71     | <=34.77 | Pass    |
|                                   |                 | 25            | 0      | 21.04                 | -0.16      | 18.73     | <=34.77 | Pass    |
| 64QAM                             | 665.5           | 1             | 0      | 22.02                 | -0.16      | 19.71     | <=34.77 | Pass    |
|                                   |                 |               | 13     | 22.37                 | -0.16      | 20.06     | <=34.77 | Pass    |
|                                   |                 |               | 24     | 21.79                 | -0.16      | 19.48     | <=34.77 | Pass    |
|                                   |                 | 12            | 0      | 21.28                 | -0.16      | 18.97     | <=34.77 | Pass    |
|                                   |                 |               | 6      | 21.48                 | -0.16      | 19.17     | <=34.77 | Pass    |
|                                   |                 |               | 13     | 21.53                 | -0.16      | 19.22     | <=34.77 | Pass    |
|                                   |                 | 25            | 0      | 21.40                 | -0.16      | 19.09     | <=34.77 | Pass    |

|  |                                              |    |    |       |       |       |         |      |
|--|----------------------------------------------|----|----|-------|-------|-------|---------|------|
|  | 680.5                                        | 1  | 0  | 21.65 | -0.16 | 19.34 | <=34.77 | Pass |
|  |                                              |    | 13 | 21.86 | -0.16 | 19.55 | <=34.77 | Pass |
|  |                                              |    | 24 | 21.42 | -0.16 | 19.11 | <=34.77 | Pass |
|  |                                              | 12 | 0  | 21.02 | -0.16 | 18.71 | <=34.77 | Pass |
|  |                                              |    | 6  | 20.99 | -0.16 | 18.68 | <=34.77 | Pass |
|  |                                              |    | 13 | 20.90 | -0.16 | 18.59 | <=34.77 | Pass |
|  |                                              | 25 | 0  | 21.25 | -0.16 | 18.94 | <=34.77 | Pass |
|  | 695.5                                        | 1  | 0  | 21.83 | -0.16 | 19.52 | <=34.77 | Pass |
|  |                                              |    | 13 | 21.96 | -0.16 | 19.65 | <=34.77 | Pass |
|  |                                              |    | 24 | 21.51 | -0.16 | 19.20 | <=34.77 | Pass |
|  |                                              | 12 | 0  | 20.84 | -0.16 | 18.53 | <=34.77 | Pass |
|  |                                              |    | 6  | 20.90 | -0.16 | 18.59 | <=34.77 | Pass |
|  |                                              |    | 13 | 20.87 | -0.16 | 18.56 | <=34.77 | Pass |
|  |                                              | 25 | 0  | 21.13 | -0.16 | 18.82 | <=34.77 | Pass |
|  | Note1: ERP=Conducted Power+Antenna Gain-2.15 |    |    |       |       |       |         |      |

### 1.1.2 B71\_10MHz\_ERP

| 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      | 23.51                 | -0.16      | 21.20     | <=34.77 | Pass    |
|                                    |                 |               | 25     | 23.83                 | -0.16      | 21.52     | <=34.77 | Pass    |
|                                    |                 |               | 49     | 23.27                 | -0.16      | 20.96     | <=34.77 | Pass    |
|                                    |                 | 25            | 0      | 22.50                 | -0.16      | 20.19     | <=34.77 | Pass    |
|                                    |                 |               | 13     | 22.53                 | -0.16      | 20.22     | <=34.77 | Pass    |
|                                    |                 |               | 25     | 22.33                 | -0.16      | 20.02     | <=34.77 | Pass    |
|                                    |                 | 50            | 0      | 22.47                 | -0.16      | 20.16     | <=34.77 | Pass    |
|                                    | 680.5           | 1             | 0      | 23.48                 | -0.16      | 21.17     | <=34.77 | Pass    |
|                                    |                 |               | 25     | 23.48                 | -0.16      | 21.17     | <=34.77 | Pass    |
|                                    |                 |               | 49     | 23.17                 | -0.16      | 20.86     | <=34.77 | Pass    |
|                                    |                 | 25            | 0      | 22.39                 | -0.16      | 20.08     | <=34.77 | Pass    |
|                                    |                 |               | 13     | 22.35                 | -0.16      | 20.04     | <=34.77 | Pass    |
|                                    |                 |               | 25     | 22.27                 | -0.16      | 19.96     | <=34.77 | Pass    |
|                                    |                 | 50            | 0      | 22.39                 | -0.16      | 20.08     | <=34.77 | Pass    |
|                                    | 693             | 1             | 0      | 23.36                 | -0.16      | 21.05     | <=34.77 | Pass    |
|                                    |                 |               | 25     | 23.70                 | -0.16      | 21.39     | <=34.77 | Pass    |
|                                    |                 |               | 49     | 23.18                 | -0.16      | 20.87     | <=34.77 | Pass    |
|                                    |                 | 25            | 0      | 22.35                 | -0.16      | 20.04     | <=34.77 | Pass    |
|                                    |                 |               | 13     | 22.26                 | -0.16      | 19.95     | <=34.77 | Pass    |
|                                    |                 |               | 25     | 22.19                 | -0.16      | 19.88     | <=34.77 | Pass    |
|                                    |                 | 50            | 0      | 22.25                 | -0.16      | 19.94     | <=34.77 | Pass    |
| 16QAM                              | 668             | 1             | 0      | 21.57                 | -0.16      | 19.26     | <=34.77 | Pass    |
|                                    |                 |               | 25     | 22.56                 | -0.16      | 20.25     | <=34.77 | Pass    |
|                                    |                 |               | 49     | 21.93                 | -0.16      | 19.62     | <=34.77 | Pass    |
|                                    |                 | 25            | 0      | 21.32                 | -0.16      | 19.01     | <=34.77 | Pass    |
|                                    |                 |               | 13     | 21.36                 | -0.16      | 19.05     | <=34.77 | Pass    |
|                                    |                 |               | 25     | 21.36                 | -0.16      | 19.05     | <=34.77 | Pass    |
|                                    |                 | 50            | 0      | 21.47                 | -0.16      | 19.16     | <=34.77 | Pass    |
|                                    | 680.5           | 1             | 0      | 22.29                 | -0.16      | 19.98     | <=34.77 | Pass    |
|                                    |                 |               | 25     | 22.11                 | -0.16      | 19.80     | <=34.77 | Pass    |
|                                    |                 |               | 49     | 21.85                 | -0.16      | 19.54     | <=34.77 | Pass    |
|                                    |                 | 25            | 0      | 21.23                 | -0.16      | 18.92     | <=34.77 | Pass    |
|                                    |                 |               | 13     | 21.21                 | -0.16      | 18.90     | <=34.77 | Pass    |
|                                    |                 |               | 25     | 21.09                 | -0.16      | 18.78     | <=34.77 | Pass    |
|                                    |                 | 50            | 0      | 21.09                 | -0.16      | 18.78     | <=34.77 | Pass    |
|                                    | 693             | 1             | 0      | 22.00                 | -0.16      | 19.69     | <=34.77 | Pass    |

|                                              |       |    |    |       |       |       |         |      |
|----------------------------------------------|-------|----|----|-------|-------|-------|---------|------|
|                                              |       |    | 25 | 21.69 | -0.16 | 19.38 | <=34.77 | Pass |
|                                              |       |    | 49 | 21.79 | -0.16 | 19.48 | <=34.77 | Pass |
|                                              |       | 25 | 0  | 21.13 | -0.16 | 18.82 | <=34.77 | Pass |
|                                              |       |    | 13 | 21.41 | -0.16 | 19.10 | <=34.77 | Pass |
|                                              |       |    | 25 | 21.02 | -0.16 | 18.71 | <=34.77 | Pass |
|                                              |       | 50 | 0  | 21.06 | -0.16 | 18.75 | <=34.77 | Pass |
| 64QAM                                        | 668   | 1  | 0  | 21.55 | -0.16 | 19.24 | <=34.77 | Pass |
|                                              |       |    | 25 | 22.33 | -0.16 | 20.02 | <=34.77 | Pass |
|                                              |       |    | 49 | 21.63 | -0.16 | 19.32 | <=34.77 | Pass |
|                                              |       | 25 | 0  | 21.58 | -0.16 | 19.27 | <=34.77 | Pass |
|                                              |       |    | 13 | 21.56 | -0.16 | 19.25 | <=34.77 | Pass |
|                                              |       |    | 25 | 21.43 | -0.16 | 19.12 | <=34.77 | Pass |
|                                              |       | 50 | 0  | 21.35 | -0.16 | 19.04 | <=34.77 | Pass |
|                                              | 680.5 | 1  | 0  | 21.80 | -0.16 | 19.49 | <=34.77 | Pass |
|                                              |       |    | 25 | 22.30 | -0.16 | 19.99 | <=34.77 | Pass |
|                                              |       |    | 49 | 21.73 | -0.16 | 19.42 | <=34.77 | Pass |
|                                              |       | 25 | 0  | 21.35 | -0.16 | 19.04 | <=34.77 | Pass |
|                                              |       |    | 13 | 21.22 | -0.16 | 18.91 | <=34.77 | Pass |
|                                              |       |    | 25 | 21.24 | -0.16 | 18.93 | <=34.77 | Pass |
|                                              |       | 50 | 0  | 21.23 | -0.16 | 18.92 | <=34.77 | Pass |
|                                              | 693   | 1  | 0  | 21.80 | -0.16 | 19.49 | <=34.77 | Pass |
|                                              |       |    | 25 | 22.03 | -0.16 | 19.72 | <=34.77 | Pass |
|                                              |       |    | 49 | 21.56 | -0.16 | 19.25 | <=34.77 | Pass |
|                                              |       | 25 | 0  | 21.26 | -0.16 | 18.95 | <=34.77 | Pass |
|                                              |       |    | 13 | 21.27 | -0.16 | 18.96 | <=34.77 | Pass |
|                                              |       |    | 25 | 21.20 | -0.16 | 18.89 | <=34.77 | Pass |
|                                              |       | 50 | 0  | 21.25 | -0.16 | 18.94 | <=34.77 | Pass |
| Note1: ERP=Conducted Power+Antenna Gain-2.15 |       |    |    |       |       |       |         |      |

### 1.1.3 B71\_15MHz\_ERP

| 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      | 23.63                 | -0.16      | 21.32     | <=34.77 | Pass    |
|                                    |                 |               | 38     | 23.41                 | -0.16      | 21.10     | <=34.77 | Pass    |
|                                    |                 |               | 74     | 23.30                 | -0.16      | 20.99     | <=34.77 | Pass    |
|                                    |                 | 36            | 0      | 22.45                 | -0.16      | 20.14     | <=34.77 | Pass    |
|                                    |                 |               | 18     | 22.38                 | -0.16      | 20.07     | <=34.77 | Pass    |
|                                    |                 |               | 39     | 22.31                 | -0.16      | 20.00     | <=34.77 | Pass    |
|                                    |                 | 75            | 0      | 22.37                 | -0.16      | 20.06     | <=34.77 | Pass    |
|                                    | 680.5           | 1             | 0      | 23.55                 | -0.16      | 21.24     | <=34.77 | Pass    |
|                                    |                 |               | 38     | 23.57                 | -0.16      | 21.26     | <=34.77 | Pass    |
|                                    |                 |               | 74     | 23.15                 | -0.16      | 20.84     | <=34.77 | Pass    |
|                                    |                 | 36            | 0      | 22.40                 | -0.16      | 20.09     | <=34.77 | Pass    |
|                                    |                 |               | 18     | 22.33                 | -0.16      | 20.02     | <=34.77 | Pass    |
|                                    |                 |               | 39     | 22.22                 | -0.16      | 19.91     | <=34.77 | Pass    |
|                                    |                 | 75            | 0      | 22.34                 | -0.16      | 20.03     | <=34.77 | Pass    |
|                                    | 690.5           | 1             | 0      | 23.34                 | -0.16      | 21.03     | <=34.77 | Pass    |
|                                    |                 |               | 38     | 23.33                 | -0.16      | 21.02     | <=34.77 | Pass    |
|                                    |                 |               | 74     | 23.27                 | -0.16      | 20.96     | <=34.77 | Pass    |
|                                    |                 | 36            | 0      | 22.29                 | -0.16      | 19.98     | <=34.77 | Pass    |
|                                    |                 |               | 18     | 22.27                 | -0.16      | 19.96     | <=34.77 | Pass    |
|                                    |                 |               | 39     | 22.13                 | -0.16      | 19.82     | <=34.77 | Pass    |
|                                    |                 | 75            | 0      | 22.27                 | -0.16      | 19.96     | <=34.77 | Pass    |
| 16QAM                              | 670.5           | 1             | 0      | 22.12                 | -0.16      | 19.81     | <=34.77 | Pass    |
|                                    |                 |               | 38     | 22.43                 | -0.16      | 20.12     | <=34.77 | Pass    |

|                                              |       |       |       |       |       |         |         |         |         |      |
|----------------------------------------------|-------|-------|-------|-------|-------|---------|---------|---------|---------|------|
|                                              |       |       | 74    | 21.72 | -0.16 | 19.41   | <=34.77 | Pass    |         |      |
|                                              |       |       | 36    | 0     | 21.27 | -0.16   | 18.96   | <=34.77 | Pass    |      |
|                                              |       |       |       | 18    | 21.27 | -0.16   | 18.96   | <=34.77 | Pass    |      |
|                                              |       |       |       | 39    | 21.26 | -0.16   | 18.95   | <=34.77 | Pass    |      |
|                                              |       |       |       | 75    | 0     | 21.26   | -0.16   | 18.95   | <=34.77 | Pass |
|                                              |       | 680.5 | 1     | 0     | 22.17 | -0.16   | 19.86   | <=34.77 | Pass    |      |
|                                              |       |       |       | 38    | 22.02 | -0.16   | 19.71   | <=34.77 | Pass    |      |
|                                              |       |       |       | 74    | 21.55 | -0.16   | 19.24   | <=34.77 | Pass    |      |
|                                              |       |       | 36    | 0     | 21.24 | -0.16   | 18.93   | <=34.77 | Pass    |      |
|                                              |       |       |       | 18    | 21.16 | -0.16   | 18.85   | <=34.77 | Pass    |      |
|                                              | 39    | 21.05 |       | -0.16 | 18.74 | <=34.77 | Pass    |         |         |      |
|                                              | 690.5 | 75    | 0     | 21.27 | -0.16 | 18.96   | <=34.77 | Pass    |         |      |
|                                              |       |       | 1     | 0     | 21.80 | -0.16   | 19.49   | <=34.77 | Pass    |      |
|                                              |       |       |       | 38    | 21.90 | -0.16   | 19.59   | <=34.77 | Pass    |      |
|                                              |       | 74    |       | 21.67 | -0.16 | 19.36   | <=34.77 | Pass    |         |      |
|                                              |       | 36    | 0     | 21.10 | -0.16 | 18.79   | <=34.77 | Pass    |         |      |
|                                              |       |       | 18    | 21.12 | -0.16 | 18.81   | <=34.77 | Pass    |         |      |
|                                              |       |       | 39    | 20.99 | -0.16 | 18.68   | <=34.77 | Pass    |         |      |
|                                              |       | 75    | 0     | 21.13 | -0.16 | 18.82   | <=34.77 | Pass    |         |      |
|                                              |       | 64QAM | 670.5 | 1     | 0     | 22.58   | -0.16   | 20.27   | <=34.77 | Pass |
|                                              |       |       |       |       | 38    | 22.35   | -0.16   | 20.04   | <=34.77 | Pass |
|                                              |       |       |       |       | 74    | 21.72   | -0.16   | 19.41   | <=34.77 | Pass |
|                                              |       |       |       | 36    | 0     | 21.33   | -0.16   | 19.02   | <=34.77 | Pass |
|                                              |       |       |       |       | 18    | 21.39   | -0.16   | 19.08   | <=34.77 | Pass |
| 39                                           |       |       |       |       | 21.26 | -0.16   | 18.95   | <=34.77 | Pass    |      |
| 75                                           | 0     |       |       | 21.34 | -0.16 | 19.03   | <=34.77 | Pass    |         |      |
| 680.5                                        | 1     |       | 0     | 21.60 | -0.16 | 19.29   | <=34.77 | Pass    |         |      |
|                                              |       |       | 38    | 21.78 | -0.16 | 19.47   | <=34.77 | Pass    |         |      |
|                                              |       |       | 74    | 21.40 | -0.16 | 19.09   | <=34.77 | Pass    |         |      |
|                                              | 36    | 0     | 21.24 | -0.16 | 18.93 | <=34.77 | Pass    |         |         |      |
|                                              |       | 18    | 21.18 | -0.16 | 18.87 | <=34.77 | Pass    |         |         |      |
|                                              |       | 39    | 21.13 | -0.16 | 18.82 | <=34.77 | Pass    |         |         |      |
|                                              | 75    | 0     | 21.27 | -0.16 | 18.96 | <=34.77 | Pass    |         |         |      |
| 690.5                                        | 1     | 0     | 21.81 | -0.16 | 19.50 | <=34.77 | Pass    |         |         |      |
|                                              |       | 38    | 21.74 | -0.16 | 19.43 | <=34.77 | Pass    |         |         |      |
|                                              |       | 74    | 21.51 | -0.16 | 19.20 | <=34.77 | Pass    |         |         |      |
|                                              | 36    | 0     | 21.41 | -0.16 | 19.10 | <=34.77 | Pass    |         |         |      |
|                                              |       | 18    | 21.22 | -0.16 | 18.91 | <=34.77 | Pass    |         |         |      |
|                                              |       | 39    | 21.16 | -0.16 | 18.85 | <=34.77 | Pass    |         |         |      |
|                                              | 75    | 0     | 21.22 | -0.16 | 18.91 | <=34.77 | Pass    |         |         |      |
| Note1: ERP=Conducted Power+Antenna Gain-2.15 |       |       |       |       |       |         |         |         |         |      |

Note1: ERP=Conducted Power+Antenna Gain-2.15

#### 1.1.4 B71\_20MHz\_ERP

| 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      | 23.26                 | -0.16      | 20.95     | <=34.77 | Pass    |
|                                    |                 |               | 50     | 23.71                 | -0.16      | 21.40     | <=34.77 | Pass    |
|                                    |                 |               | 99     | 23.03                 | -0.16      | 20.72     | <=34.77 | Pass    |
|                                    |                 | 50            | 0      | 22.41                 | -0.16      | 20.10     | <=34.77 | Pass    |
|                                    |                 |               | 25     | 22.30                 | -0.16      | 19.99     | <=34.77 | Pass    |
|                                    |                 |               | 50     | 22.24                 | -0.16      | 19.93     | <=34.77 | Pass    |
|                                    |                 | 100           | 0      | 22.35                 | -0.16      | 20.04     | <=34.77 | Pass    |
|                                    |                 |               | 0      | 23.28                 | -0.16      | 20.97     | <=34.77 | Pass    |
|                                    |                 |               | 50     | 23.54                 | -0.16      | 21.23     | <=34.77 | Pass    |
|                                    | 683             | 1             | 99     | 22.97                 | -0.16      | 20.66     | <=34.77 | Pass    |

|                                              |       |     |       |       |       |         |         |         |         |      |
|----------------------------------------------|-------|-----|-------|-------|-------|---------|---------|---------|---------|------|
|                                              |       | 50  | 0     | 22.30 | -0.16 | 19.99   | <=34.77 | Pass    |         |      |
|                                              |       |     | 25    | 22.28 | -0.16 | 19.97   | <=34.77 | Pass    |         |      |
|                                              |       |     | 50    | 22.12 | -0.16 | 19.81   | <=34.77 | Pass    |         |      |
|                                              |       | 100 | 0     | 22.22 | -0.16 | 19.91   | <=34.77 | Pass    |         |      |
|                                              |       |     | 1     | 0     | 23.29 | -0.16   | 20.98   | <=34.77 | Pass    |      |
|                                              |       |     |       | 50    | 23.50 | -0.16   | 21.19   | <=34.77 | Pass    |      |
|                                              |       | 99  |       | 22.86 | -0.16 | 20.55   | <=34.77 | Pass    |         |      |
|                                              |       | 50  | 0     | 22.14 | -0.16 | 19.83   | <=34.77 | Pass    |         |      |
|                                              |       |     | 25    | 22.17 | -0.16 | 19.86   | <=34.77 | Pass    |         |      |
|                                              | 50    |     | 22.02 | -0.16 | 19.71 | <=34.77 | Pass    |         |         |      |
|                                              | 100   | 0   | 22.24 | -0.16 | 19.93 | <=34.77 | Pass    |         |         |      |
|                                              | 16QAM | 673 | 1     | 0     | 21.91 | -0.16   | 19.60   | <=34.77 | Pass    |      |
| 50                                           |       |     |       | 22.09 | -0.16 | 19.78   | <=34.77 | Pass    |         |      |
| 99                                           |       |     |       | 21.54 | -0.16 | 19.23   | <=34.77 | Pass    |         |      |
| 50                                           |       |     | 0     | 21.32 | -0.16 | 19.01   | <=34.77 | Pass    |         |      |
|                                              |       |     | 25    | 21.36 | -0.16 | 19.05   | <=34.77 | Pass    |         |      |
|                                              |       |     | 50    | 21.11 | -0.16 | 18.80   | <=34.77 | Pass    |         |      |
| 100                                          |       |     | 0     | 21.21 | -0.16 | 18.90   | <=34.77 | Pass    |         |      |
| 683                                          |       |     | 1     | 0     | 21.75 | -0.16   | 19.44   | <=34.77 | Pass    |      |
|                                              |       |     |       | 50    | 22.18 | -0.16   | 19.87   | <=34.77 | Pass    |      |
|                                              |       | 99  |       | 21.50 | -0.16 | 19.19   | <=34.77 | Pass    |         |      |
|                                              |       | 50  | 0     | 21.28 | -0.16 | 18.97   | <=34.77 | Pass    |         |      |
|                                              |       |     | 25    | 21.25 | -0.16 | 18.94   | <=34.77 | Pass    |         |      |
|                                              |       |     | 50    | 21.07 | -0.16 | 18.76   | <=34.77 | Pass    |         |      |
|                                              |       | 100 | 0     | 21.21 | -0.16 | 18.90   | <=34.77 | Pass    |         |      |
|                                              |       | 688 | 1     | 0     | 21.80 | -0.16   | 19.49   | <=34.77 | Pass    |      |
|                                              |       |     |       | 50    | 22.16 | -0.16   | 19.85   | <=34.77 | Pass    |      |
| 99                                           |       |     |       | 21.38 | -0.16 | 19.07   | <=34.77 | Pass    |         |      |
| 50                                           |       |     | 0     | 21.22 | -0.16 | 18.91   | <=34.77 | Pass    |         |      |
|                                              |       |     | 25    | 21.29 | -0.16 | 18.98   | <=34.77 | Pass    |         |      |
|                                              |       |     | 50    | 20.93 | -0.16 | 18.62   | <=34.77 | Pass    |         |      |
| 100                                          |       |     | 0     | 21.12 | -0.16 | 18.81   | <=34.77 | Pass    |         |      |
| 64QAM                                        |       |     | 673   | 1     | 0     | 21.59   | -0.16   | 19.28   | <=34.77 | Pass |
|                                              |       |     |       |       | 50    | 22.30   | -0.16   | 19.99   | <=34.77 | Pass |
|                                              |       | 99  |       |       | 21.55 | -0.16   | 19.24   | <=34.77 | Pass    |      |
|                                              |       | 50  |       | 0     | 21.24 | -0.16   | 18.93   | <=34.77 | Pass    |      |
|                                              |       |     |       | 25    | 21.28 | -0.16   | 18.97   | <=34.77 | Pass    |      |
|                                              |       |     |       | 50    | 21.16 | -0.16   | 18.85   | <=34.77 | Pass    |      |
|                                              | 100   | 0   |       | 21.19 | -0.16 | 18.88   | <=34.77 | Pass    |         |      |
|                                              | 683   | 1   |       | 0     | 20.99 | -0.16   | 18.68   | <=34.77 | Pass    |      |
|                                              |       |     |       | 50    | 22.15 | -0.16   | 19.84   | <=34.77 | Pass    |      |
|                                              |       |     | 99    | 20.94 | -0.16 | 18.63   | <=34.77 | Pass    |         |      |
|                                              |       | 50  | 0     | 21.22 | -0.16 | 18.91   | <=34.77 | Pass    |         |      |
|                                              |       |     | 25    | 21.33 | -0.16 | 19.02   | <=34.77 | Pass    |         |      |
|                                              |       |     | 50    | 21.02 | -0.16 | 18.71   | <=34.77 | Pass    |         |      |
|                                              | 100   | 0   | 21.19 | -0.16 | 18.88 | <=34.77 | Pass    |         |         |      |
|                                              | 688   | 1   | 0     | 21.55 | -0.16 | 19.24   | <=34.77 | Pass    |         |      |
|                                              |       |     | 50    | 21.84 | -0.16 | 19.53   | <=34.77 | Pass    |         |      |
|                                              |       |     | 99    | 21.34 | -0.16 | 19.03   | <=34.77 | Pass    |         |      |
|                                              |       | 50  | 0     | 21.18 | -0.16 | 18.87   | <=34.77 | Pass    |         |      |
|                                              |       |     | 25    | 21.27 | -0.16 | 18.96   | <=34.77 | Pass    |         |      |
|                                              |       |     | 50    | 21.13 | -0.16 | 18.82   | <=34.77 | Pass    |         |      |
|                                              |       | 100 | 0     | 21.02 | -0.16 | 18.71   | <=34.77 | Pass    |         |      |
| Note1: ERP=Conducted Power+Antenna Gain-2.15 |       |     |       |       |       |         |         |         |         |      |

## 2. Frequency Stability

### 2.1 Test Result

#### 2.1.1 B71\_10MHz

| Band: 71 / Bandwidth: 10MHz |                 |               |        |            |         |                  |                       |             |         |
|-----------------------------|-----------------|---------------|--------|------------|---------|------------------|-----------------------|-------------|---------|
| Modulation                  | Frequency (MHz) | RB Allocation |        | Temp. (°C) | Voltage | Freq. Error (Hz) | Freq. vs. Rated (ppm) |             | Verdict |
|                             |                 | Size          | Offset |            |         |                  | Result                | Limit       |         |
| QPSK                        | 680.5           | 50            | 0      | 20         | LV      | -1.200           | -0.0018               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | NV      | -0.100           | -0.0001               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | HV      | -2.900           | -0.0043               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -30        | NV      | 0.500            | 0.0007                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -20        | NV      | 0.700            | 0.0010                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -10        | NV      | 0.300            | 0.0004                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 0          | NV      | -1.200           | -0.0018               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 10         | NV      | -2.000           | -0.0029               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 30         | NV      | 0.200            | 0.0003                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 40         | NV      | -3.000           | -0.0044               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 50         | NV      | -1.800           | -0.0026               | -2.5 to 2.5 | Pass    |

## 3. 99% & 26dB Bandwidth

### 3.1 Test Result

#### 3.1.1 Band71\_OBW

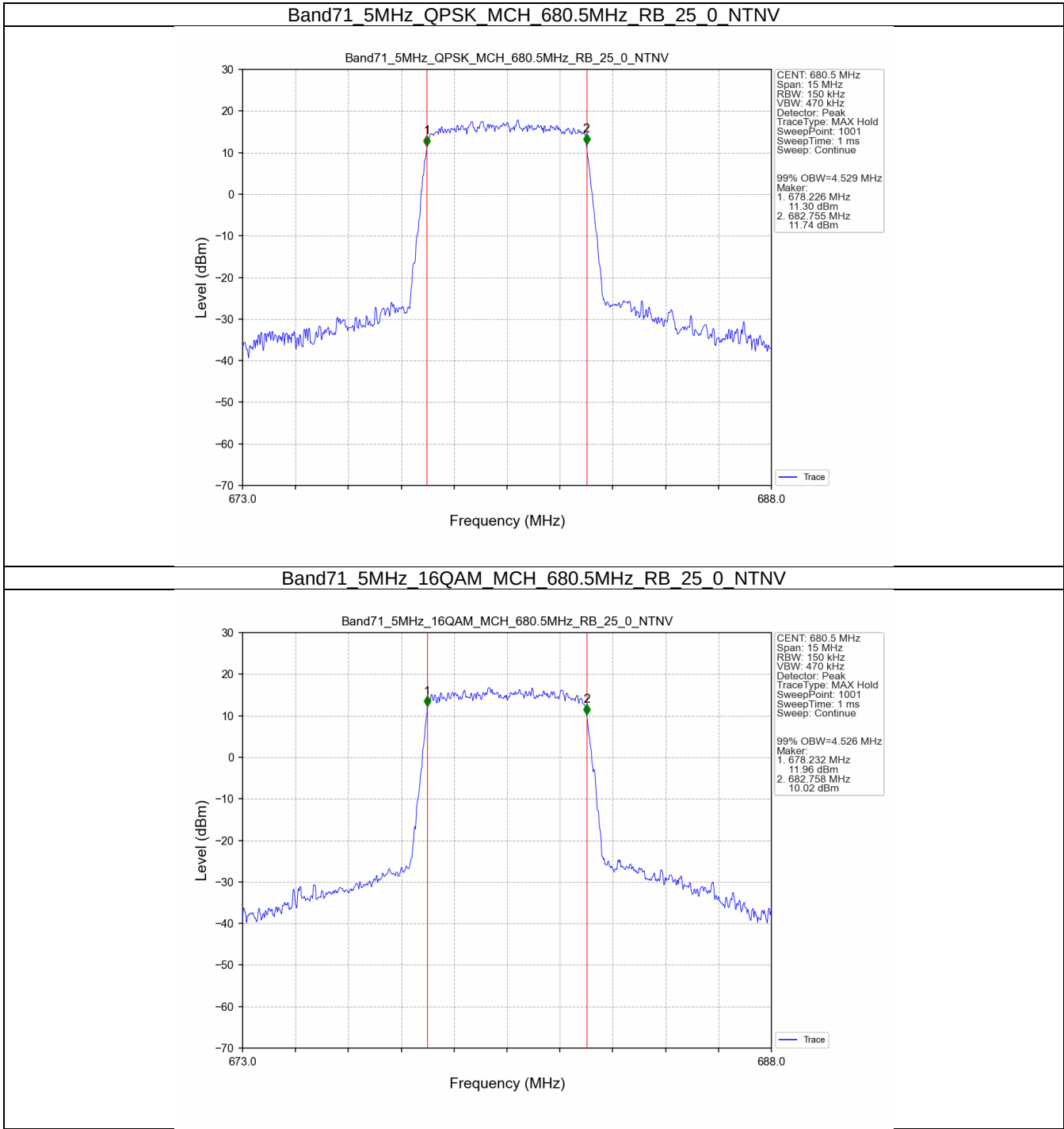
| Band: 71 / NTNV |            |                 |               |        |                              |       |         |
|-----------------|------------|-----------------|---------------|--------|------------------------------|-------|---------|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation |        | 99% Occupied Bandwidth (MHz) |       | Verdict |
|                 |            |                 | Size          | Offset | Result                       | Limit |         |
| 5               | QPSK       | 680.5           | 25            | 0      | 4.529                        | /     | Pass    |
|                 | 16QAM      | 680.5           | 25            | 0      | 4.526                        | /     | Pass    |
| 10              | QPSK       | 680.5           | 50            | 0      | 9.056                        | /     | Pass    |
|                 | 16QAM      | 680.5           | 50            | 0      | 8.995                        | /     | Pass    |
| 15              | QPSK       | 680.5           | 75            | 0      | 13.481                       | /     | Pass    |
|                 | 16QAM      | 680.5           | 75            | 0      | 13.501                       | /     | Pass    |
| 20              | QPSK       | 683             | 100           | 0      | 17.949                       | /     | Pass    |
|                 | 16QAM      | 683             | 100           | 0      | 17.985                       | /     | Pass    |

#### 3.1.2 Band71\_XDB

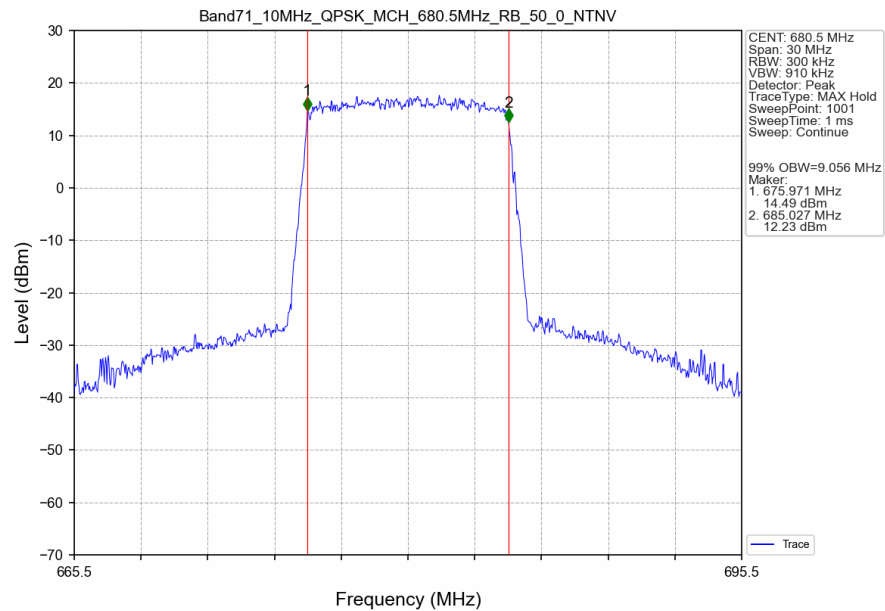
| Band: 71 / NTNV |            |                 |               |        |                      |       |         |
|-----------------|------------|-----------------|---------------|--------|----------------------|-------|---------|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation |        | 26dB Bandwidth (MHz) |       | Verdict |
|                 |            |                 | Size          | Offset | Result               | Limit |         |
| 5               | QPSK       | 680.5           | 25            | 0      | 5.031                | /     | Pass    |
|                 | 16QAM      | 680.5           | 25            | 0      | 5.051                | /     | Pass    |
| 10              | QPSK       | 680.5           | 50            | 0      | 10.043               | /     | Pass    |
|                 | 16QAM      | 680.5           | 50            | 0      | 9.989                | /     | Pass    |
| 15              | QPSK       | 680.5           | 75            | 0      | 14.835               | /     | Pass    |
|                 | 16QAM      | 680.5           | 75            | 0      | 14.938               | /     | Pass    |
| 20              | QPSK       | 683             | 100           | 0      | 19.648               | /     | Pass    |
|                 | 16QAM      | 683             | 100           | 0      | 19.586               | /     | Pass    |

### 3.2 Test Graph

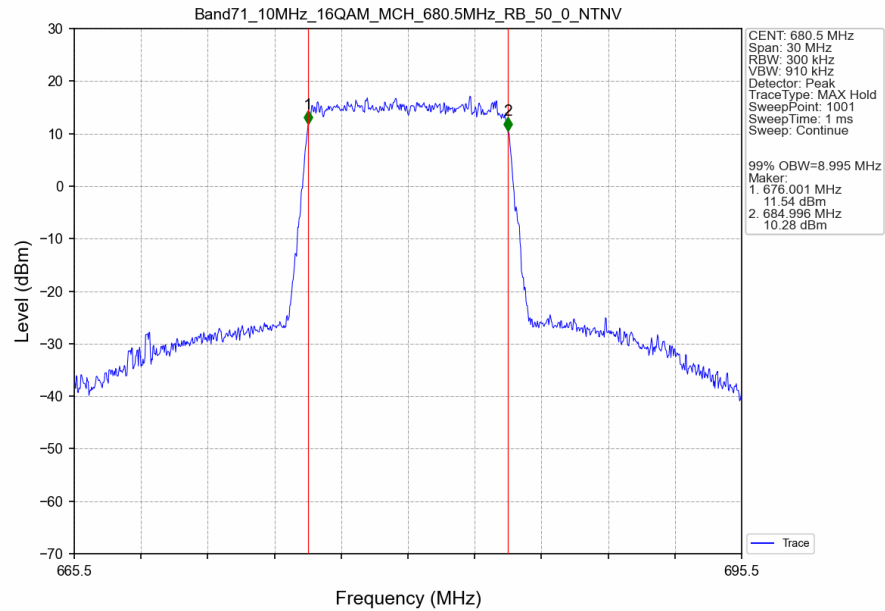
#### 3.2.1 Band71\_OBW



Band71 10MHz QPSK MCH 680.5MHz RB 50 0 NTV

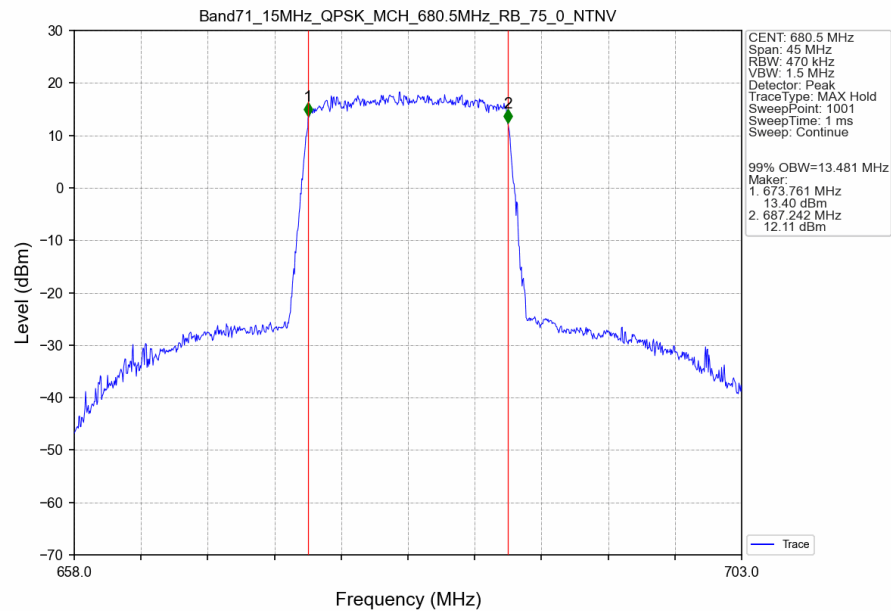


Band71 10MHz 16QAM MCH 680.5MHz RB 50 0 NTV

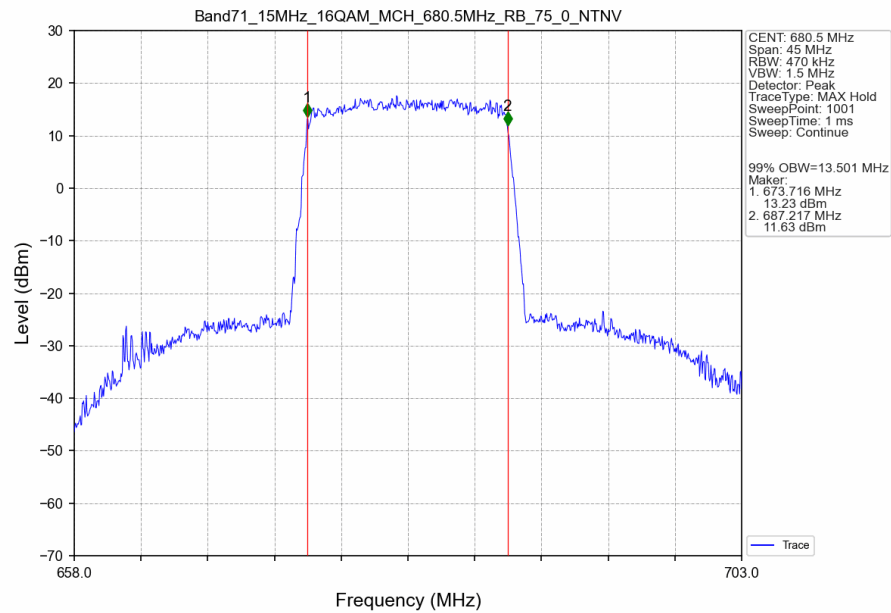




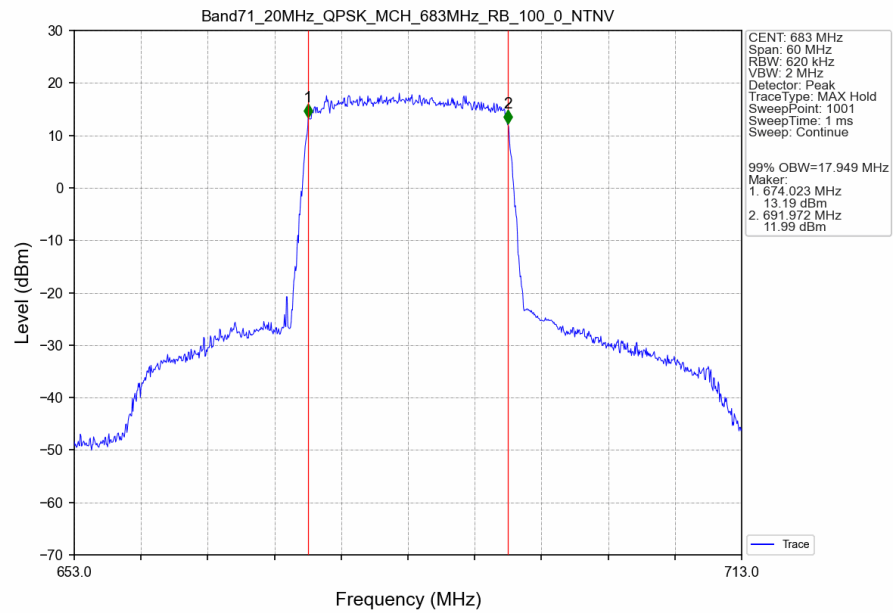
Band71 15MHz QPSK MCH 680.5MHz RB 75 0 NTNV



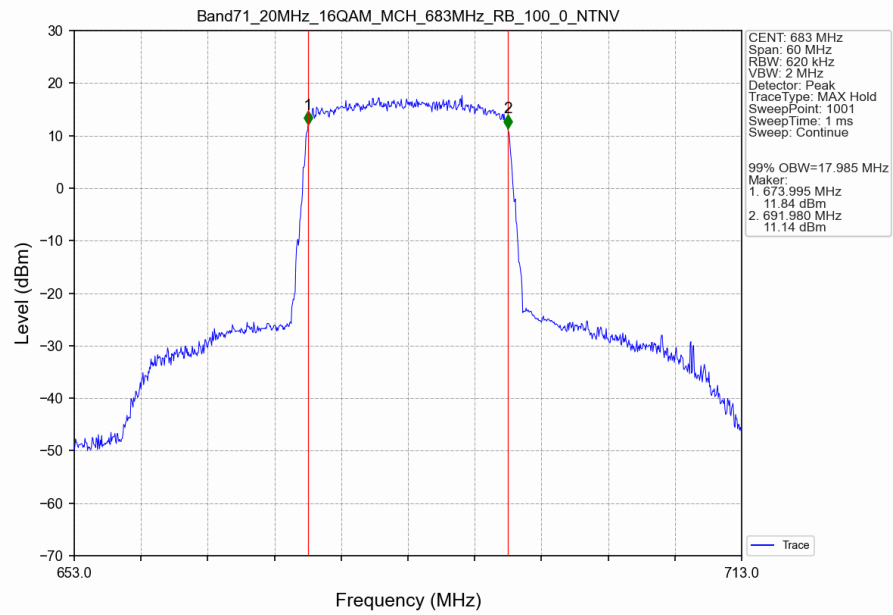
Band71 15MHz 16QAM MCH 680.5MHz RB 75 0 NTNV



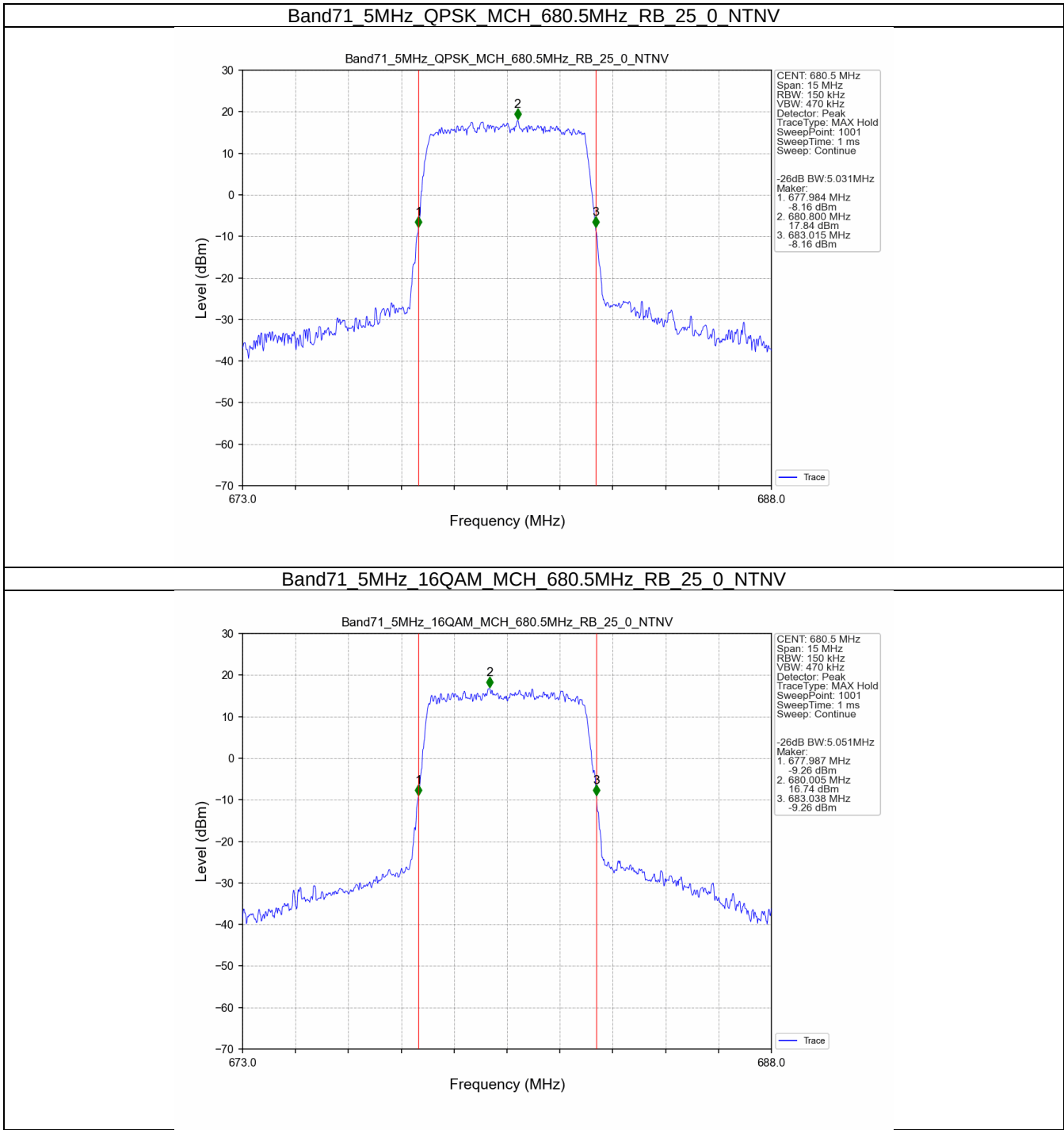
# Band71 20MHz QPSK MCH 683MHz RB 100 0 NTNV



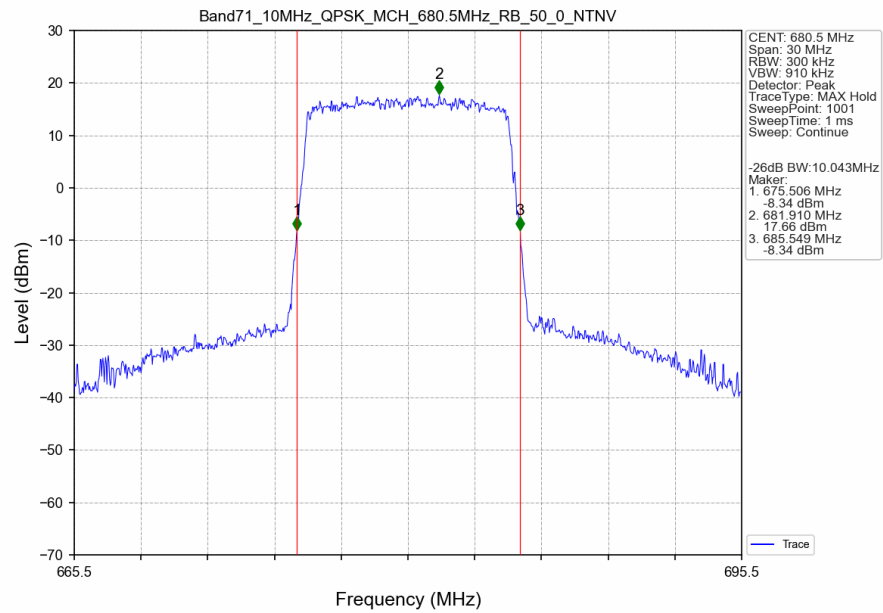
# Band71 20MHz 16QAM MCH 683MHz RB 100 0 NTNV



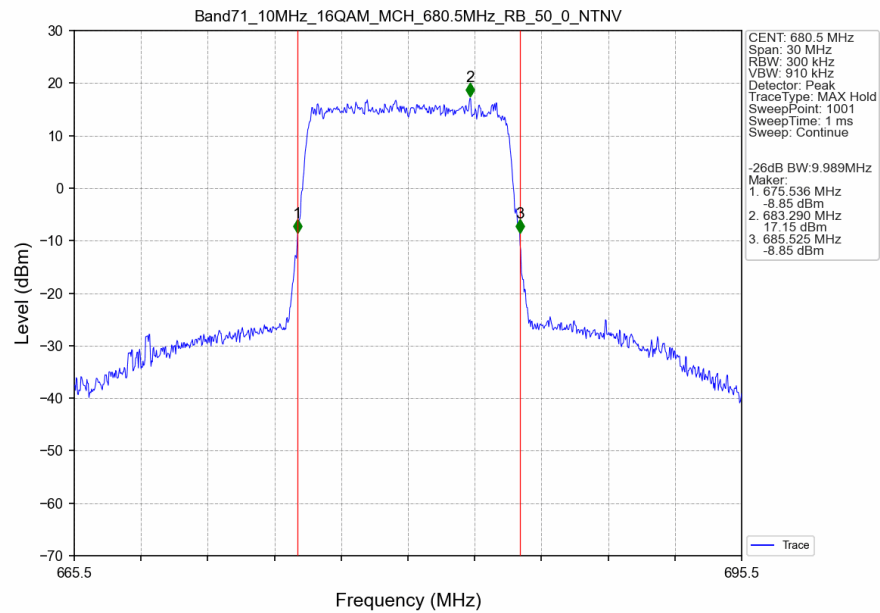
3.2.2 Band71\_XDB



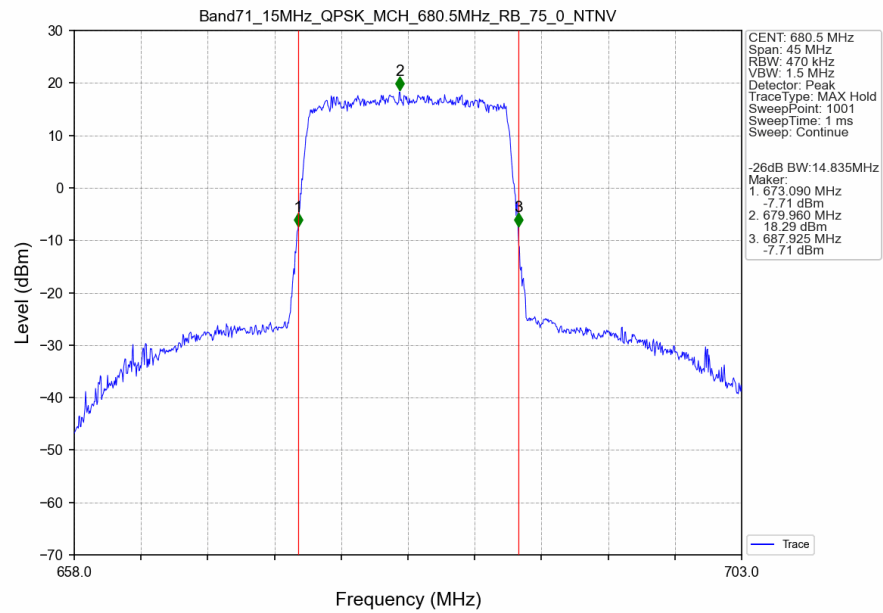
Band71 10MHz QPSK MCH 680.5MHz RB 50 0 NTV



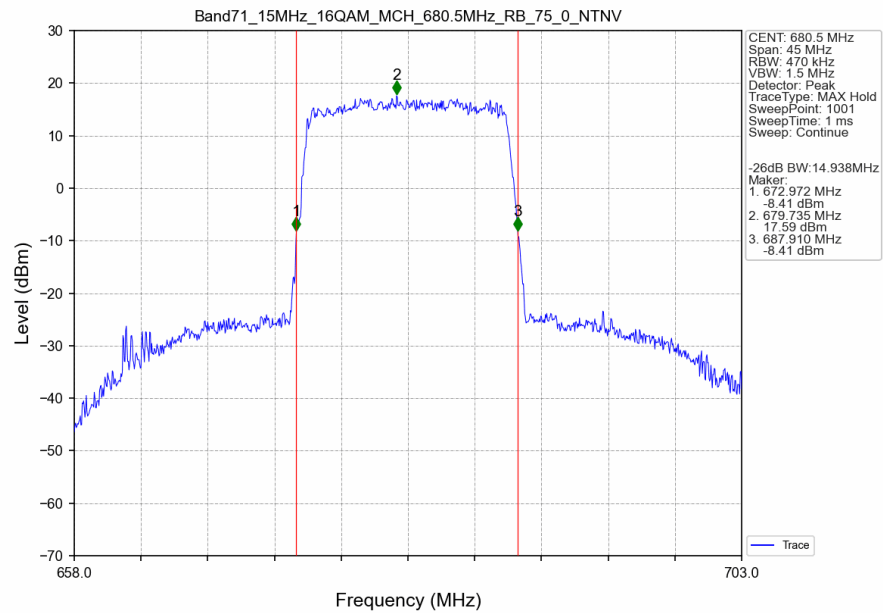
Band71 10MHz 16QAM MCH 680.5MHz RB 50 0 NTV



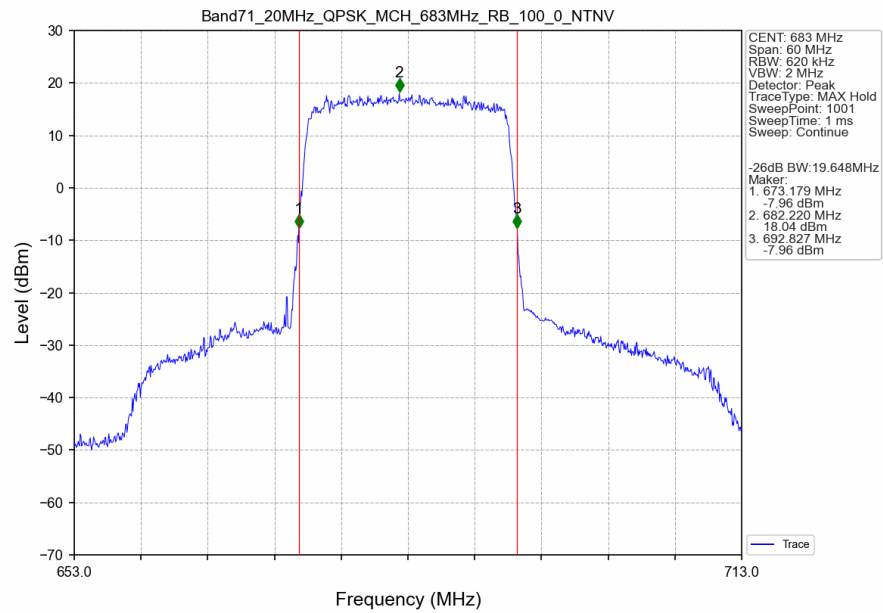
Band71 15MHz QPSK MCH 680.5MHz RB 75 0 NTNV



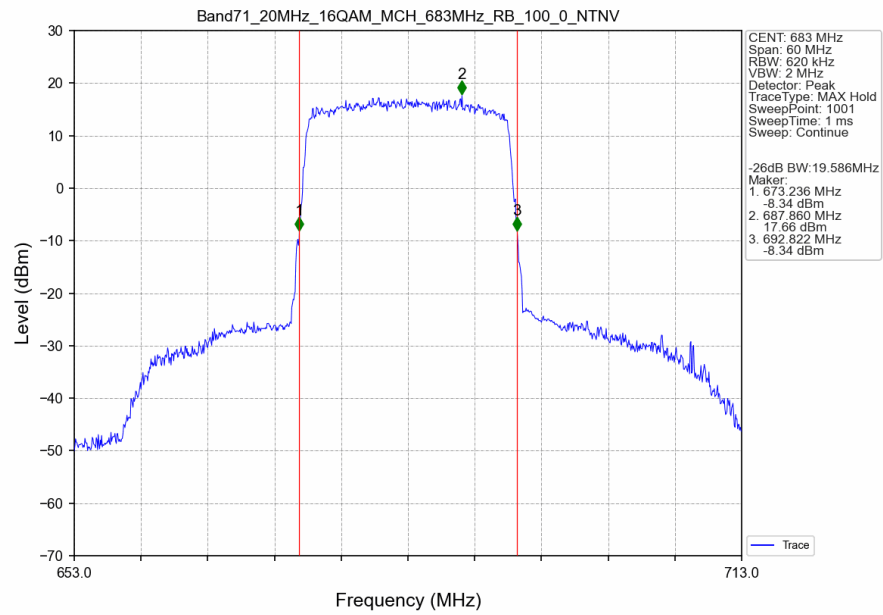
Band71 15MHz 16QAM MCH 680.5MHz RB 75 0 NTNV



# Band71 20MHz QPSK MCH 683MHz RB 100 0 NTNV



# Band71 20MHz 16QAM MCH 683MHz RB 100 0 NTNV



## 4. Peak-Average Ratio

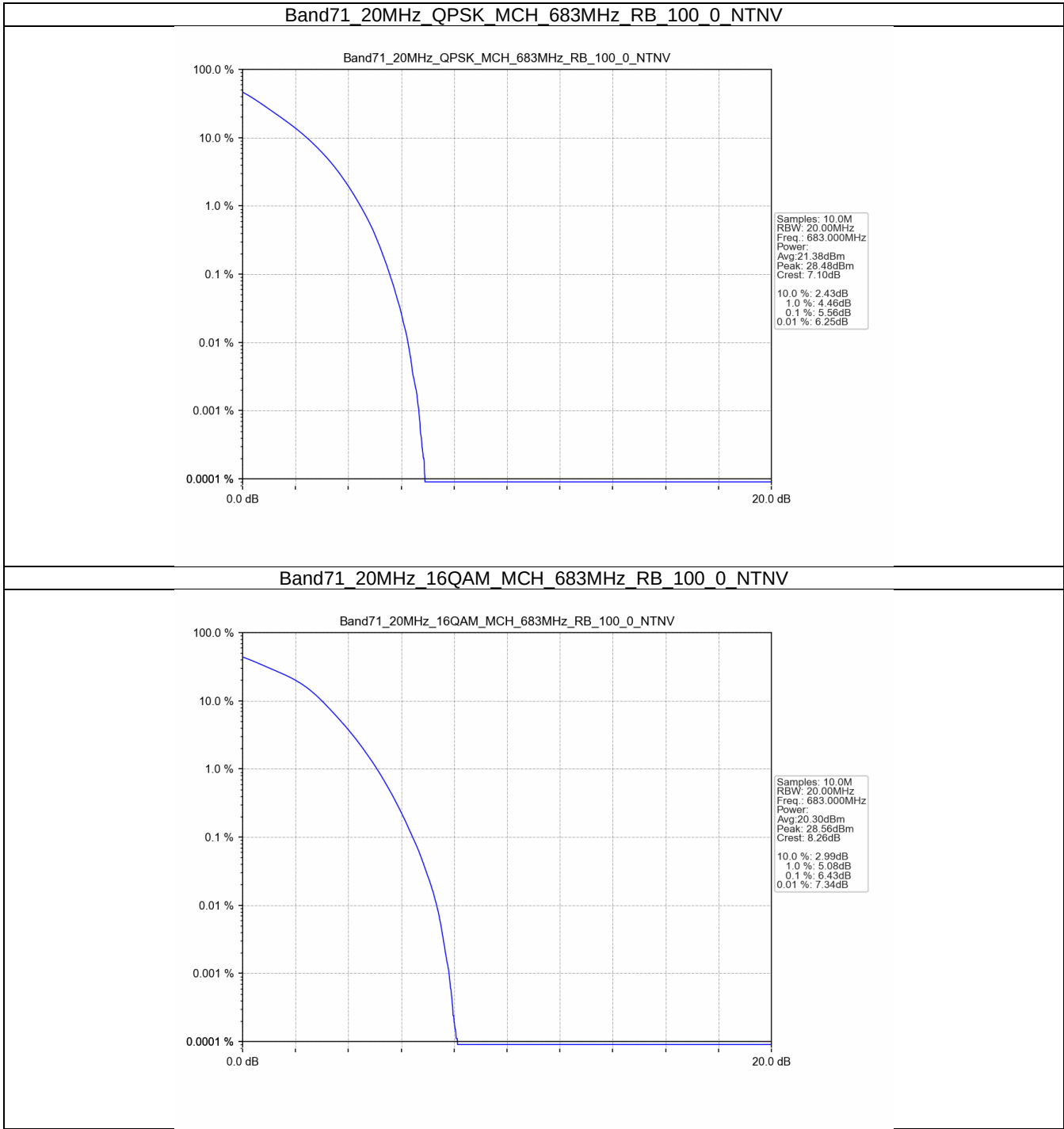
### 4.1 Test Result

#### 4.1.1 B71\_20MHz

| Band: 71 / Bandwidth: 20MHz / NTNV |                    |               |        |                         |       |         |
|------------------------------------|--------------------|---------------|--------|-------------------------|-------|---------|
| Modulation                         | Frequency<br>(MHz) | RB Allocation |        | Peak-Average Ratio (dB) |       | Verdict |
|                                    |                    | Size          | Offset | Result                  | Limit |         |
| QPSK                               | 683                | 100           | 0      | 5.56                    | <=13  | Pass    |
| 16QAM                              | 683                | 100           | 0      | 6.43                    | <=13  | Pass    |
| 64QAM                              | 683                | 100           | 0      | 6.41                    | <=13  | Pass    |

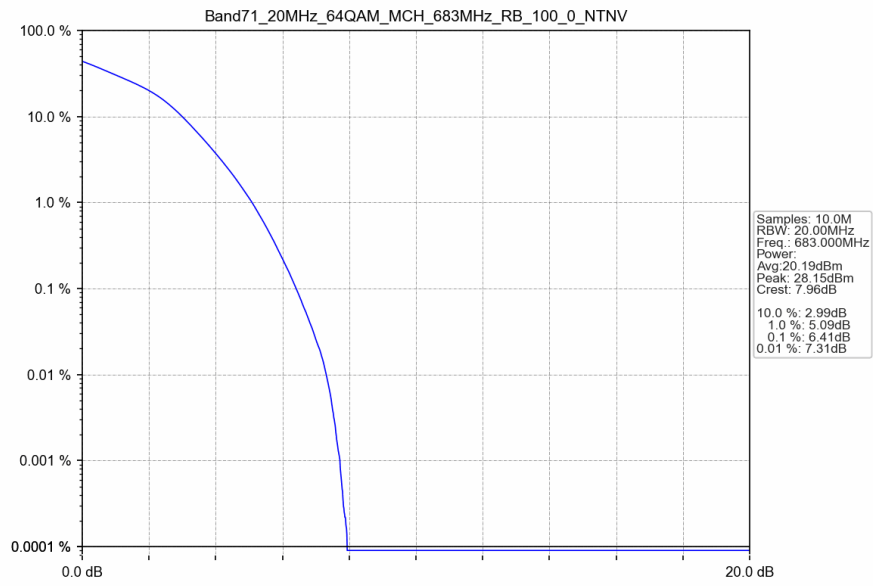
4.2 Test Graph

4.2.1 B71\_20MHz





Band71 20MHz 64QAM MCH 683MHz RB 100 0 NTNV



## 5. Spurious Emission

### 5.1 Test Result

#### 5.1.1 B71\_5MHz

| Band: 71 / Bandwidth: 5MHz / NTV |                 |               |        |                     |       |         |
|----------------------------------|-----------------|---------------|--------|---------------------|-------|---------|
| 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 |       | Pass    |
|                                  |                 |               | 24     | Refer To Test Graph |       | Pass    |
|                                  |                 | 25            | 0      | Refer To Test Graph |       | Pass    |

#### 5.1.2 B71\_10MHz

| 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    |
|                                   | 680.5           | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                   | 693             | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                   |                 |               | 49     | Refer To Test Graph |       | Pass    |
|                                   |                 | 50            | 0      | Refer To Test Graph |       | Pass    |

#### 5.1.3 B71\_15MHz

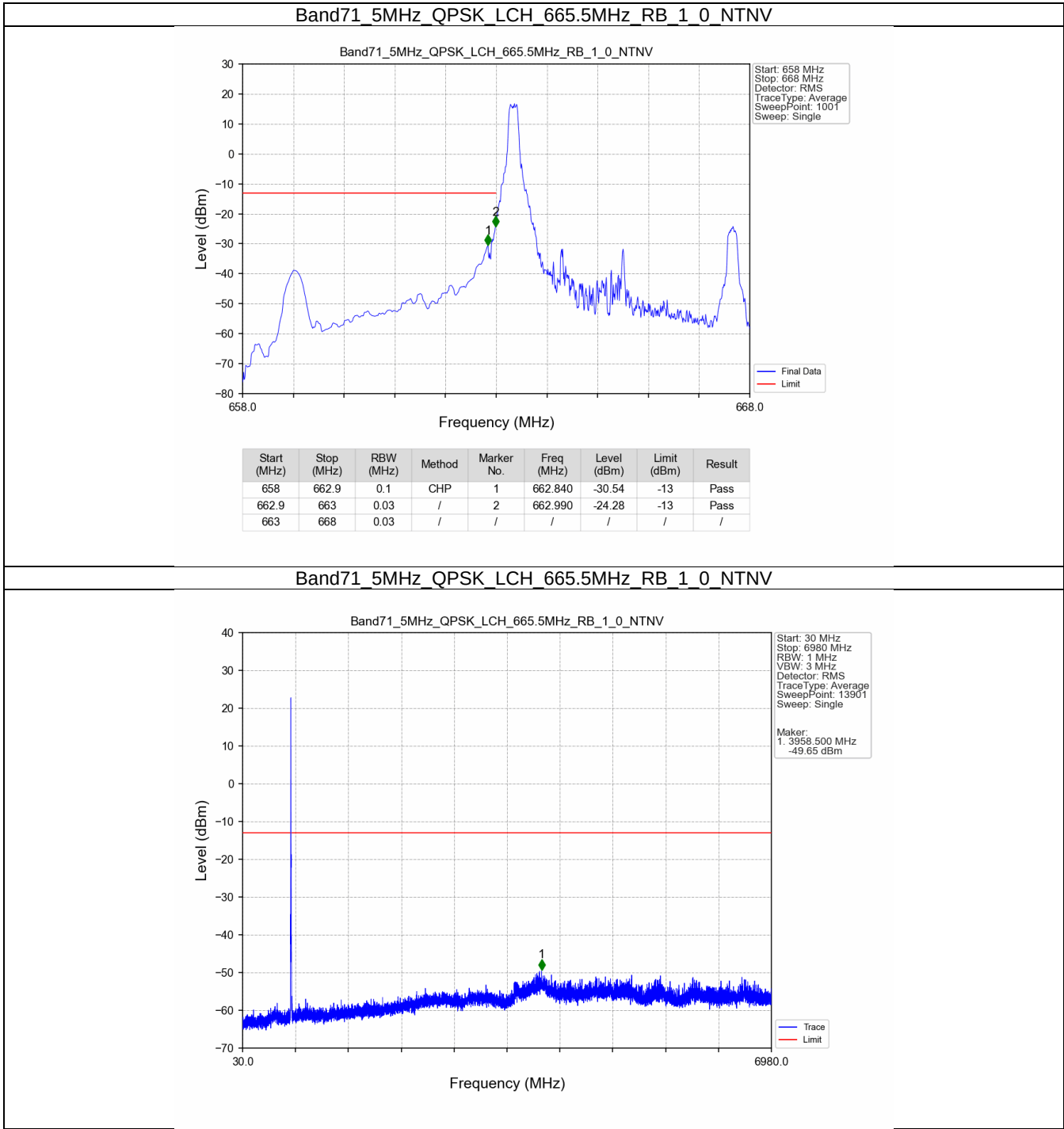
| Band: 71 / Bandwidth: 15MHz / NTV |                 |               |        |                     |       |         |
|-----------------------------------|-----------------|---------------|--------|---------------------|-------|---------|
| Modulation                        | Frequency (MHz) | RB 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    |
|                                   | 690.5           | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                   |                 |               | 74     | Refer To Test Graph |       | Pass    |
|                                   |                 | 75            | 0      | Refer To Test Graph |       | Pass    |

#### 5.1.4 B71\_20MHz

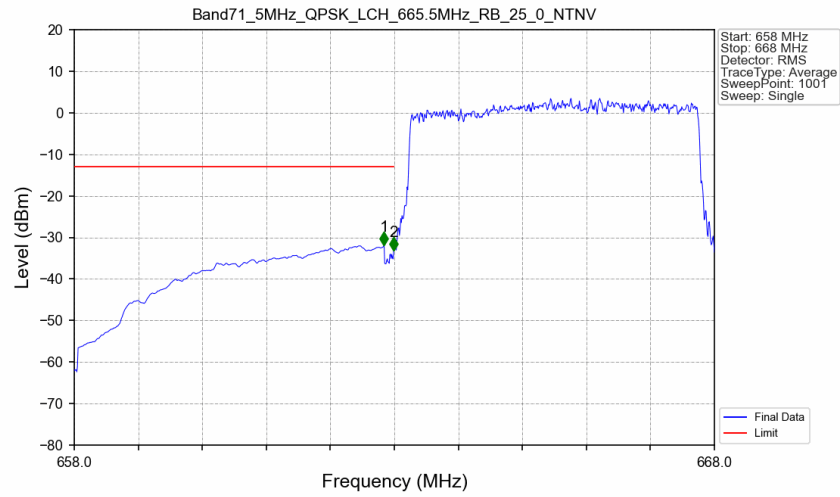
| Band: 71 / Bandwidth: 20MHz / NTVN |                 |               |        |                     |       |         |
|------------------------------------|-----------------|---------------|--------|---------------------|-------|---------|
| Modulation                         | Frequency (MHz) | 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    |
|                                    | 683             | 1             | 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    |

5.2 Test Graph

5.2.1 B71\_5MHz

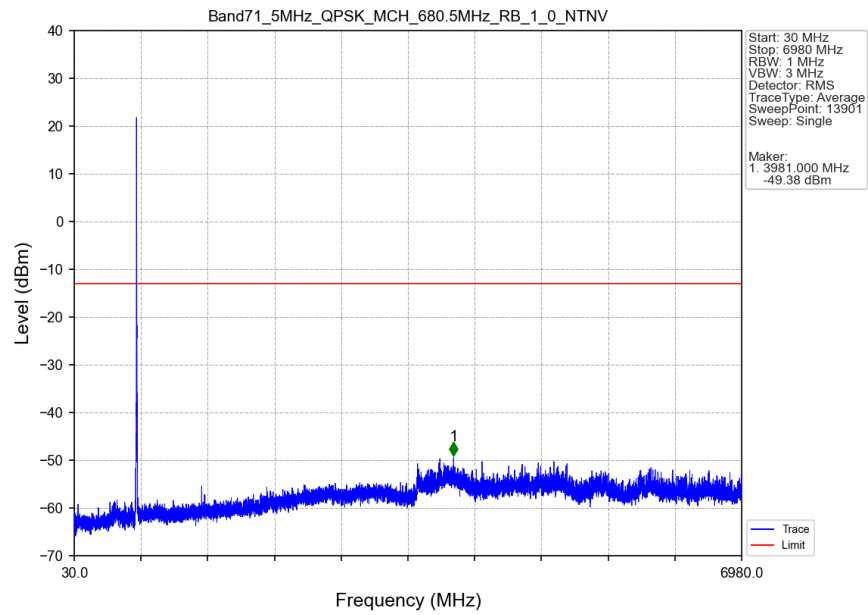


# Band71 5MHz QPSK LCH 665.5MHz RB 25 0 NTNV

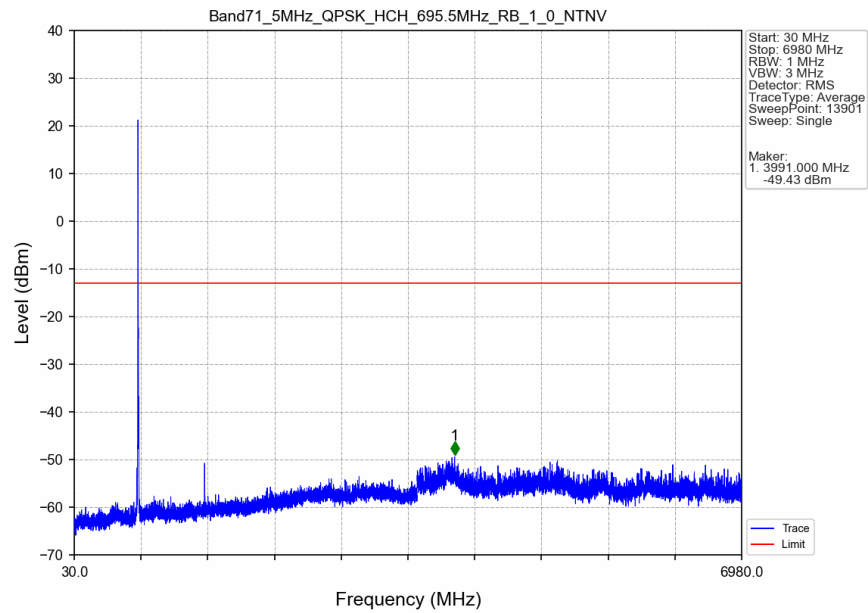


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 658         | 662.9      | 0.1       | CHP    | 1          | 662.840    | -31.93      | -13         | Pass   |
| 662.9       | 663        | 0.03      | /      | 2          | 662.990    | -33.05      | -13         | Pass   |
| 663         | 668        | 0.03      | /      | /          | /          | /           | /           | /      |

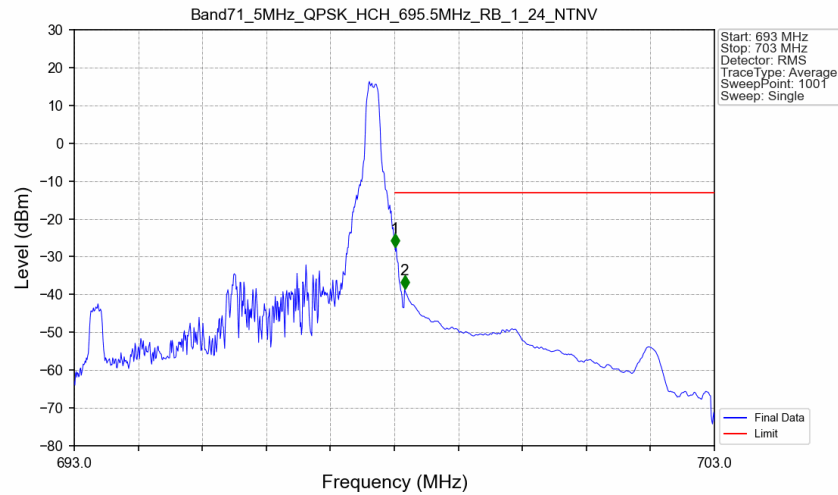
# Band71 5MHz QPSK MCH 680.5MHz RB 1 0 NTNV



Band71 5MHz QPSK HCH 695.5MHz RB 1 0 NTV

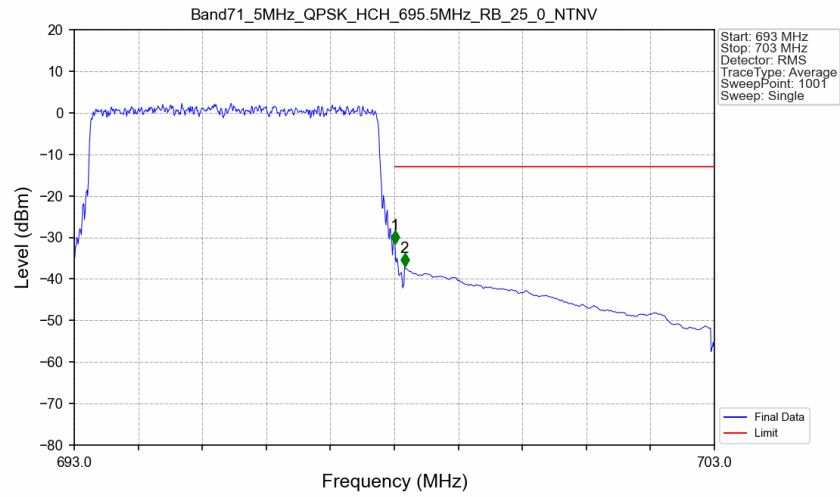


Band71 5MHz QPSK HCH 695.5MHz RB 1 24 NTV



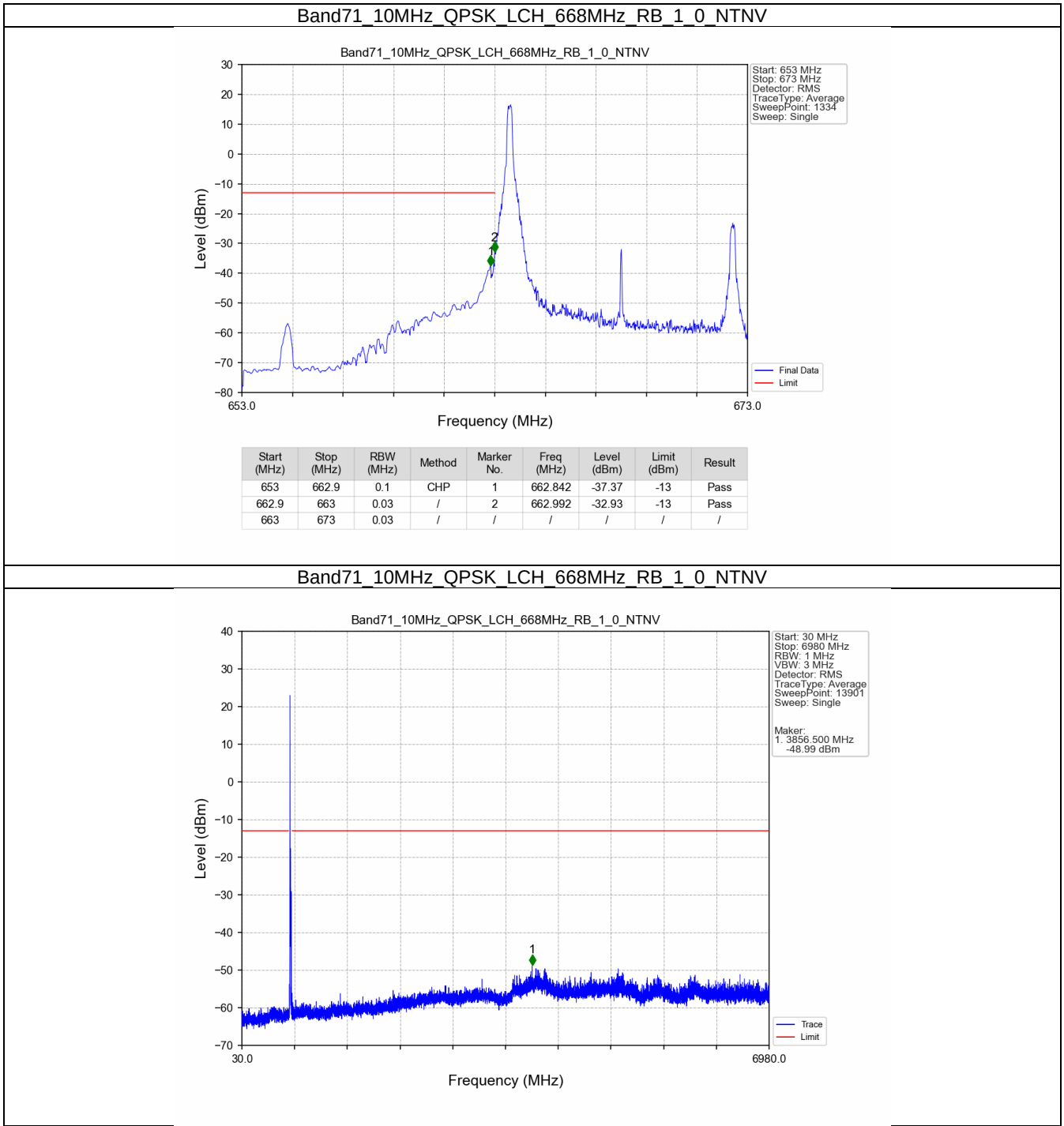
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 693         | 698        | 0.03      | /      | /          | /          | /           | /           | /      |
| 698         | 698.1      | 0.03      | /      | 1          | 698.010    | -27.39      | -13         | Pass   |
| 698.1       | 703        | 0.1       | CHP    | 2          | 698.160    | -38.50      | -13         | Pass   |

Band71 5MHz QPSK HCH 695.5MHz RB 25 0 NTV

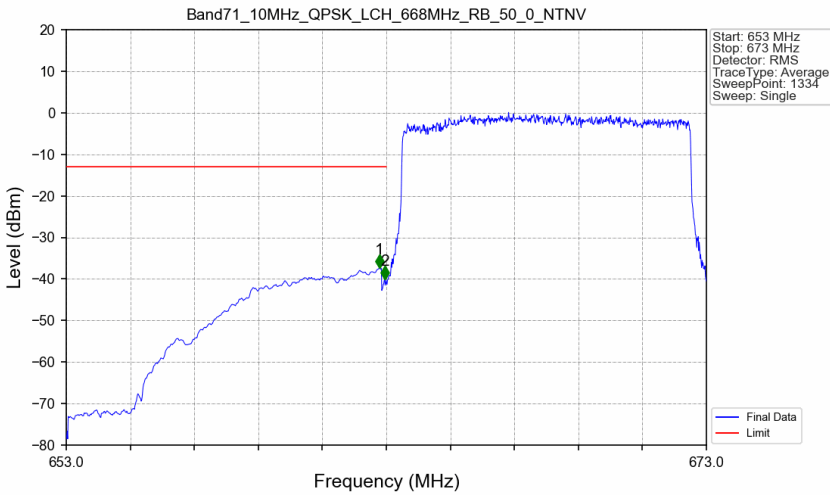


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 693         | 698        | 0.03      | /      | /          | /          | /           | /           | /      |
| 698         | 698.1      | 0.03      | /      | 1          | 698.010    | -31.42      | -13         | Pass   |
| 698.1       | 703        | 0.1       | CHP    | 2          | 698.160    | -37.02      | -13         | Pass   |

5.2.2 B71\_10MHz

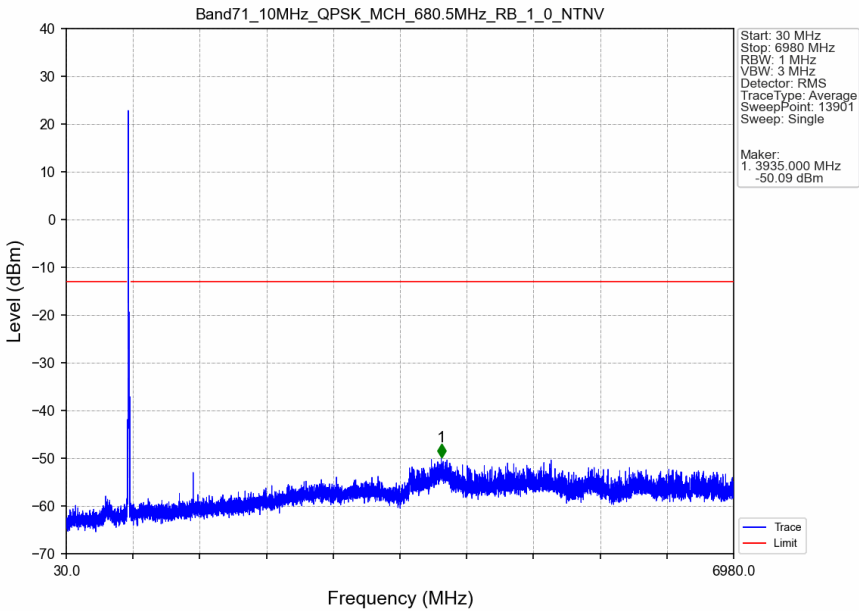


Band71 10MHz QPSK LCH 668MHz RB 50 0 NTNV



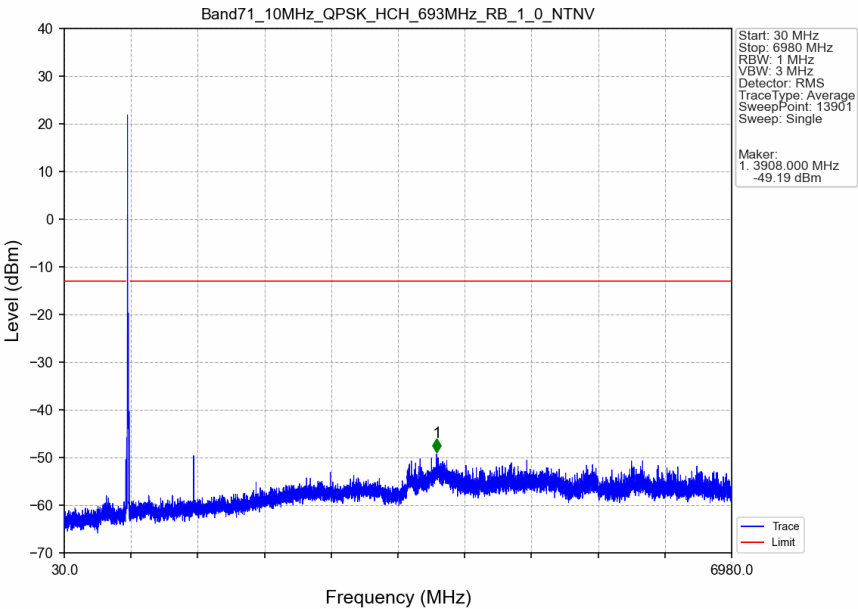
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 653         | 662.9      | 0.1       | CHP    | 1          | 662.782    | -37.37      | -13         | Pass   |
| 662.9       | 663        | 0.03      | /      | 2          | 662.947    | -40.11      | -13         | Pass   |
| 663         | 673        | 0.03      | /      | /          | /          | /           | /           | /      |

Band71 10MHz QPSK MCH 680.5MHz RB 1 0 NTNV

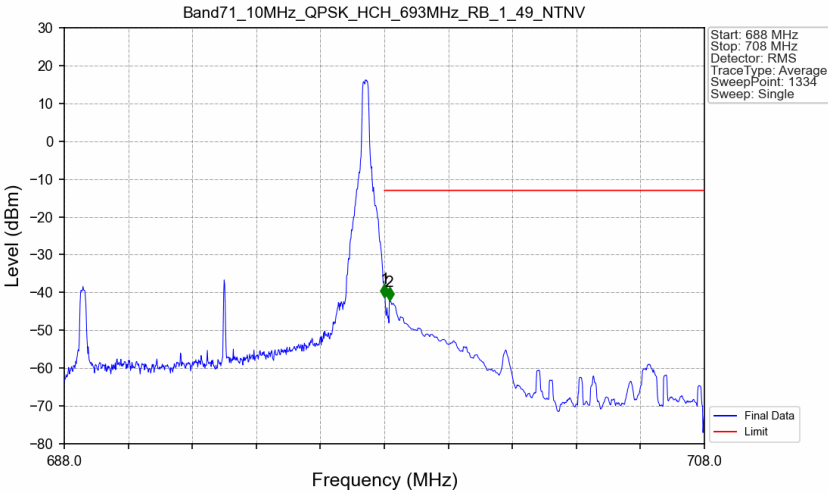




Band71 10MHz QPSK HCH 693MHz RB 1 0 NTNV

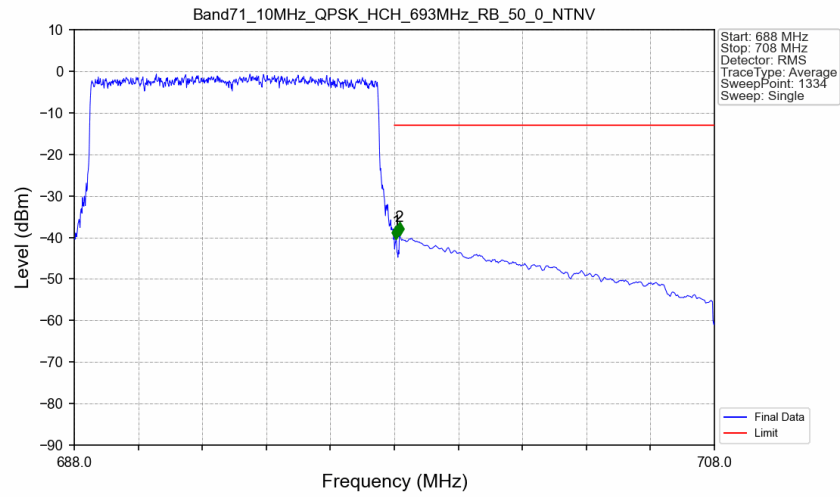


Band71 10MHz QPSK HCH 693MHz RB 1 49 NTNV



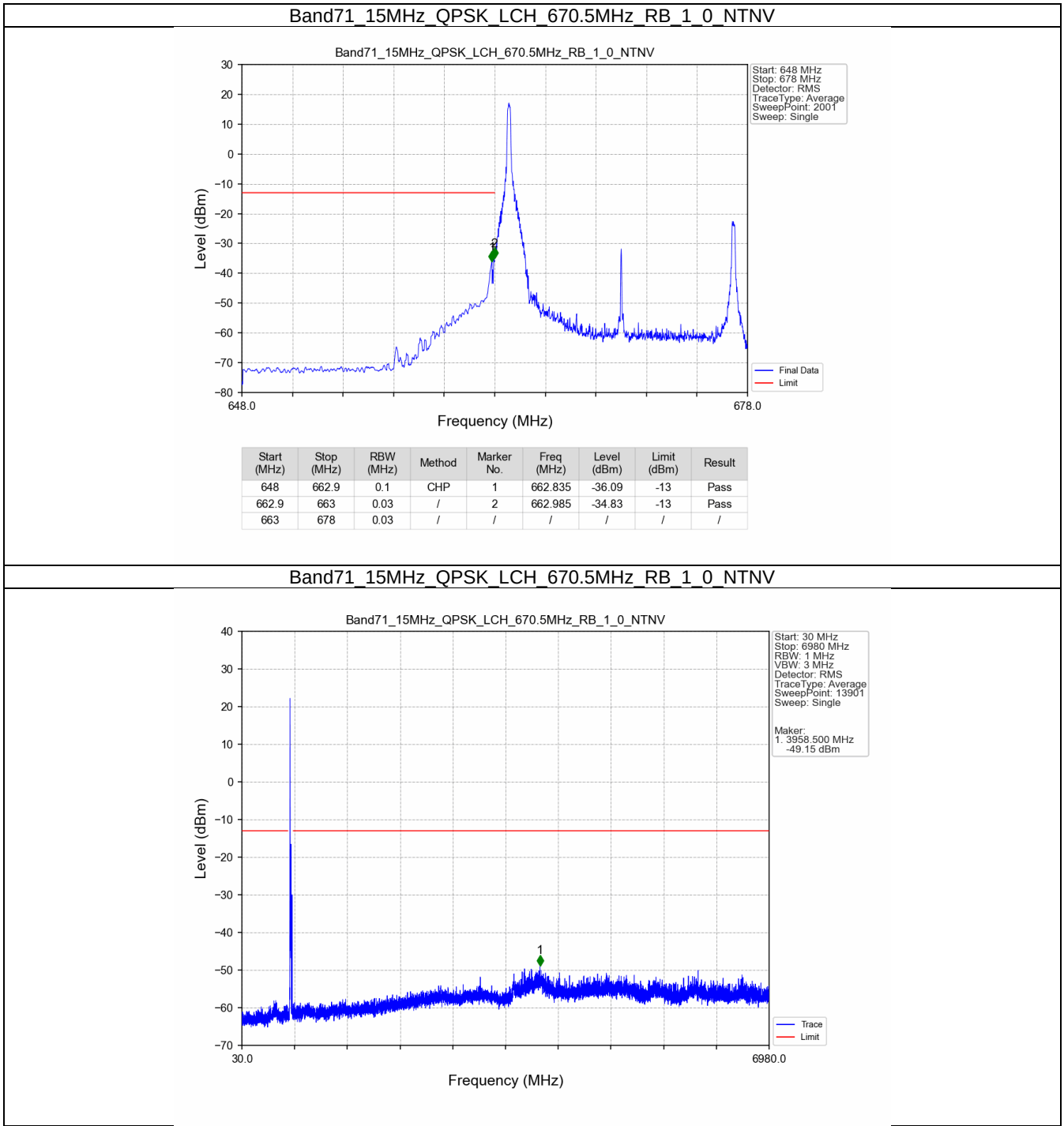
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 688         | 698        | 0.03      | /      | /          | /          | /           | /           | /      |
| 698         | 698.1      | 0.03      | /      | 1          | 698.008    | -41.28      | -13         | Pass   |
| 698.1       | 708        | 0.1       | CHP    | 2          | 698.158    | -42.10      | -13         | Pass   |

Band71 10MHz QPSK HCH 693MHz RB 50 0 NTV

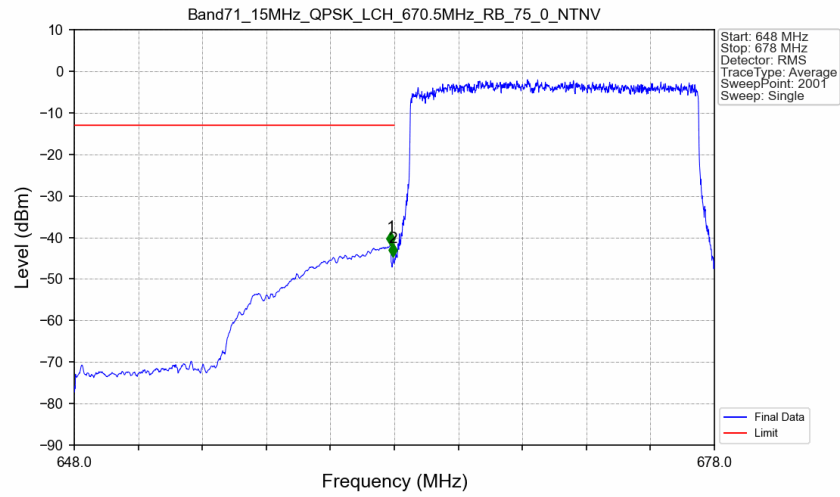


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 688         | 698        | 0.03      | /      | /          | /          | /           | /           | /      |
| 698         | 698.1      | 0.03      | /      | 1          | 698.053    | -40.37      | -13         | Pass   |
| 698.1       | 708        | 0.1       | CHP    | 2          | 698.158    | -39.49      | -13         | Pass   |

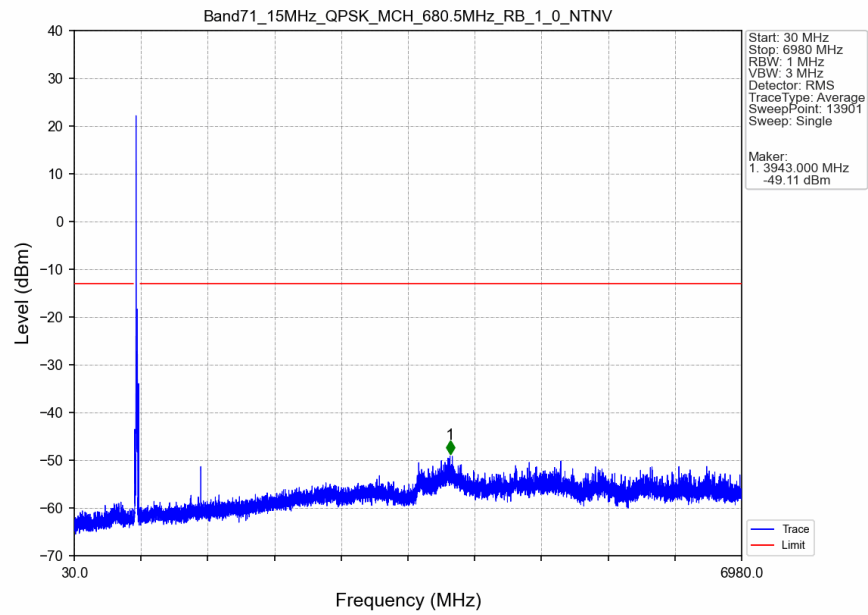
5.2.3 B71\_15MHz



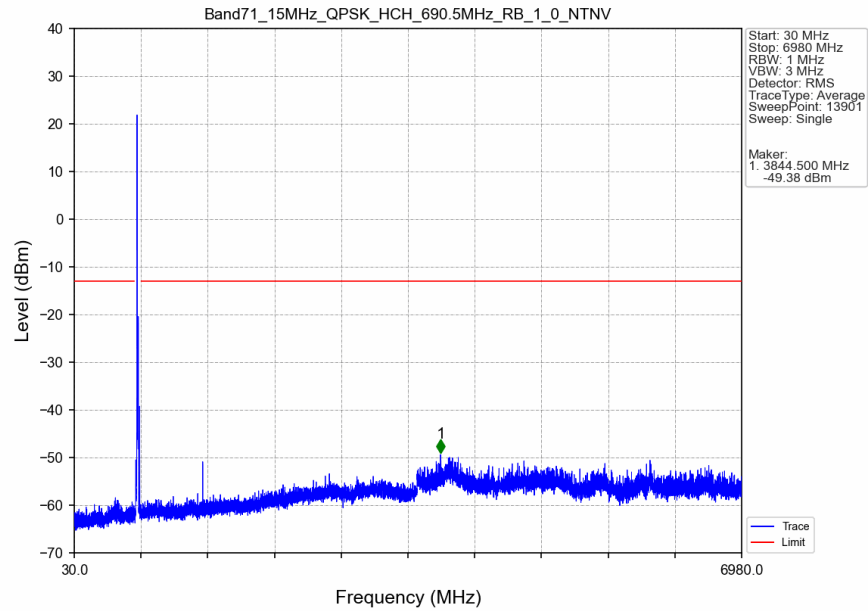
# Band71 15MHz QPSK LCH 670.5MHz RB 75 0 NTV



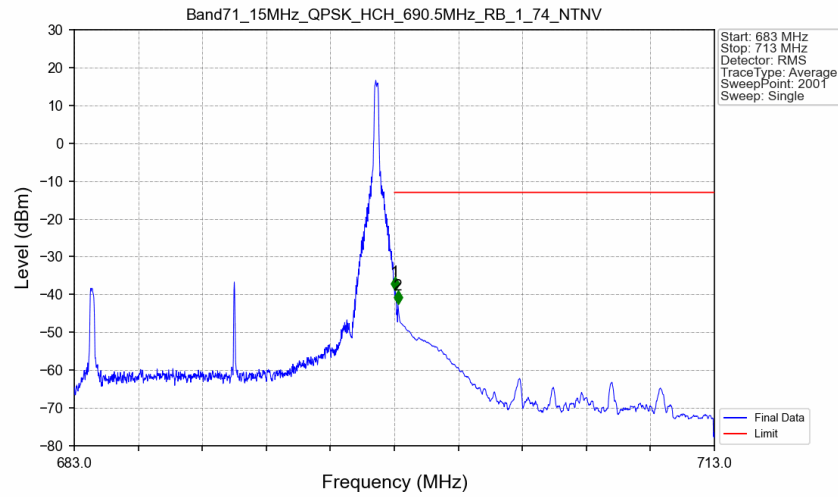
# Band71 15MHz QPSK MCH 680.5MHz RB 1 0 NTV



# Band71 15MHz QPSK HCH 690.5MHz RB 1 0 NTV

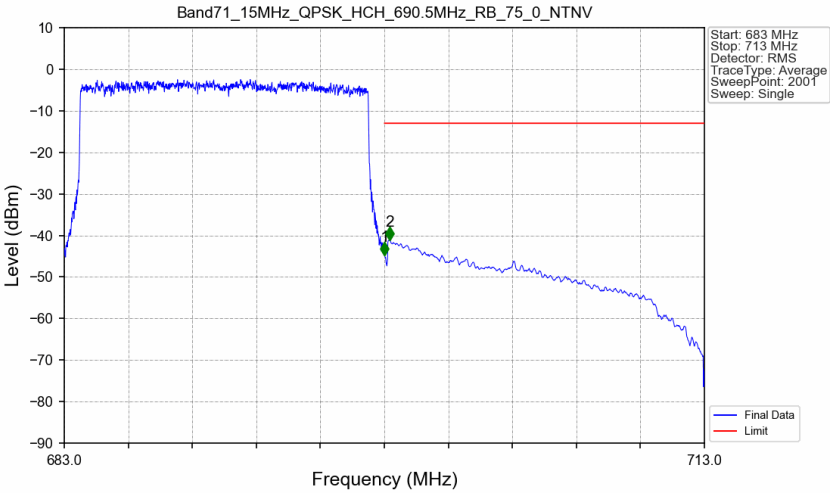


# Band71 15MHz QPSK HCH 690.5MHz RB 1 74 NTV



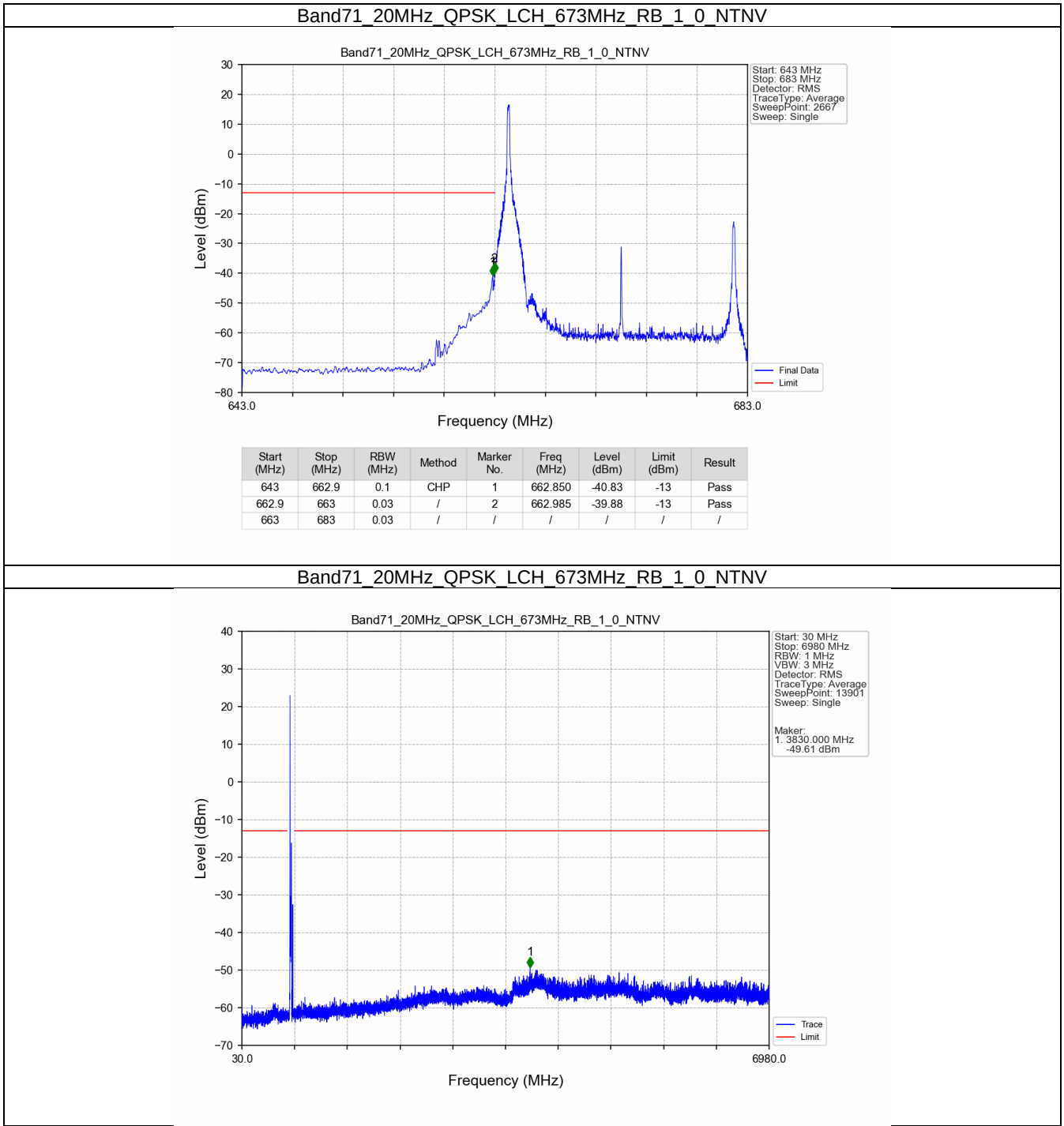
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 683         | 698        | 0.03      | /      | /          | /          | /           | /           | /      |
| 698         | 698.1      | 0.03      | /      | 1          | 698.030    | -38.85      | -13         | Pass   |
| 698.1       | 713        | 0.1       | CHP    | 2          | 698.165    | -42.40      | -13         | Pass   |

Band71 15MHz QPSK HCH 690.5MHz RB 75 0 NTNV

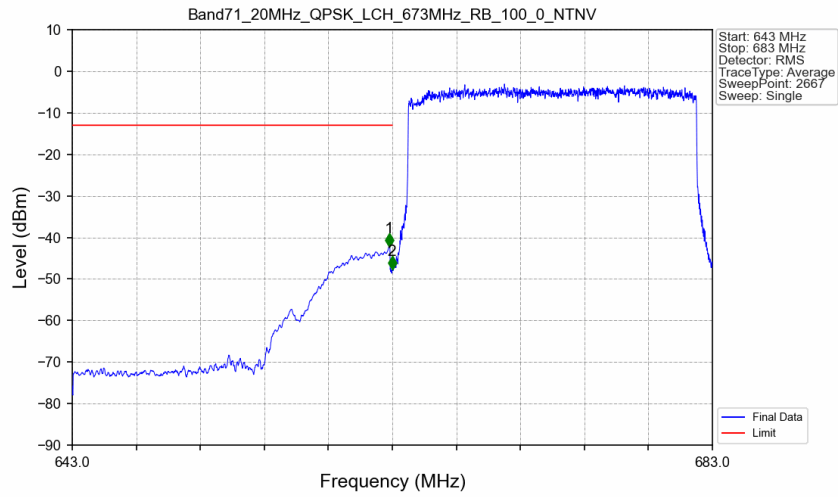


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 683         | 698        | 0.03      | /      | /          | /          | /           | /           | /      |
| 698         | 698.1      | 0.03      | /      | 1          | 698.015    | -44.80      | -13         | Pass   |
| 698.1       | 713        | 0.1       | CHP    | 2          | 698.255    | -41.08      | -13         | Pass   |

5.2.4 B71\_20MHz

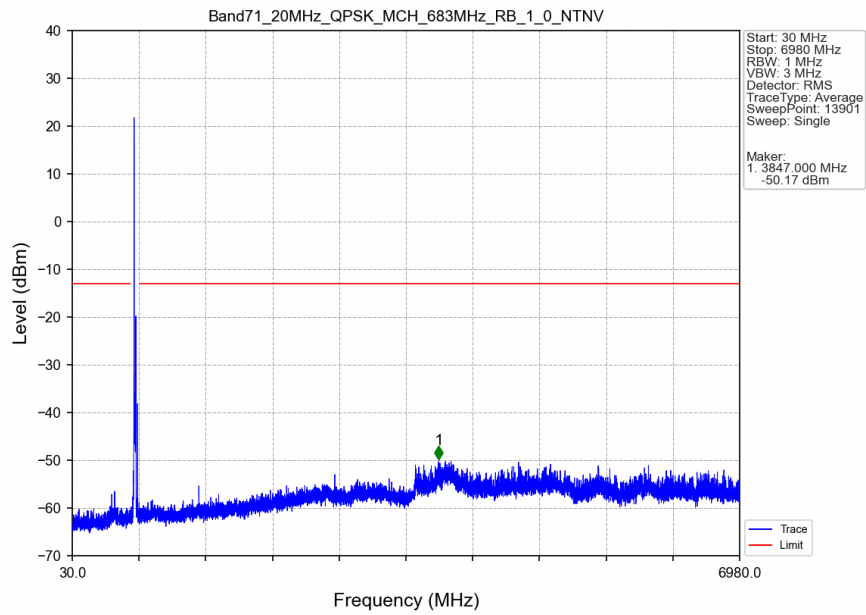


# Band71 20MHz QPSK LCH 673MHz RB 100 0 NTNV



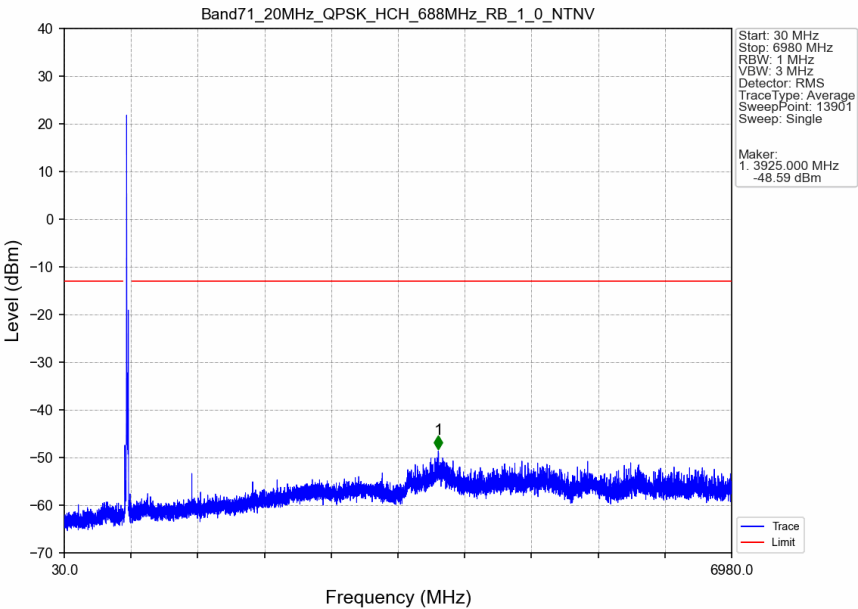
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 643         | 662.9      | 0.1       | CHP    | 1          | 662.805    | -42.26      | -13         | Pass   |
| 662.9       | 663        | 0.03      | /      | 2          | 662.985    | -47.61      | -13         | Pass   |
| 663         | 683        | 0.03      | /      | /          | /          | /           | /           | /      |

# Band71 20MHz QPSK MCH 683MHz RB 1 0 NTNV

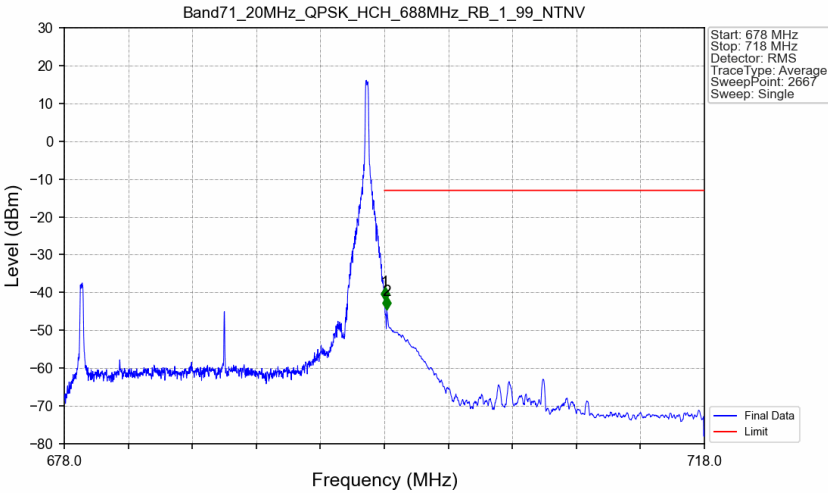




Band71 20MHz QPSK HCH 688MHz RB 1 0 NTNV

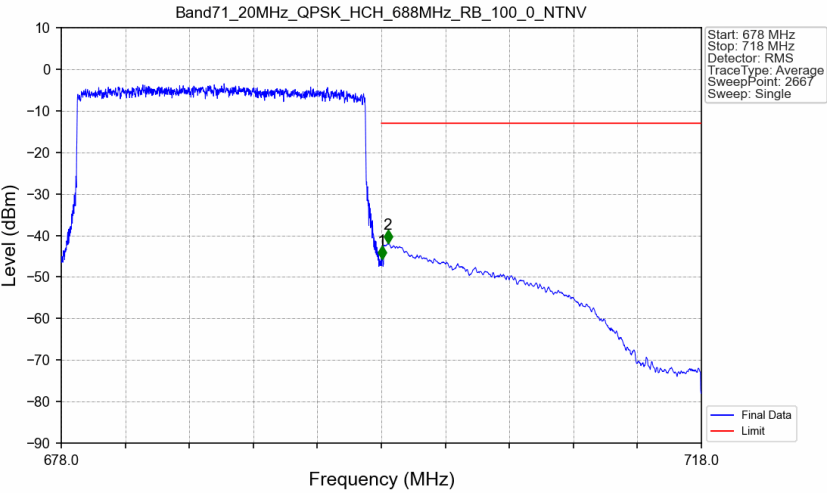


Band71 20MHz QPSK HCH 688MHz RB 1 99 NTNV



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 678         | 698        | 0.03      | /      | /          | /          | /           | /           | /      |
| 698         | 698.1      | 0.03      | /      | 1          | 698.030    | -42.07      | -13         | Pass   |
| 698.1       | 718        | 0.1       | CHP    | 2          | 698.150    | -44.55      | -13         | Pass   |

Band71 20MHz QPSK HCH 688MHz RB 100 0 NTNV



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 678         | 698        | 0.03      | /      | /          | /          | /           | /           | /      |
| 698         | 698.1      | 0.03      | /      | 1          | 698.030    | -45.65      | -13         | Pass   |
| 698.1       | 718        | 0.1       | CHP    | 2          | 698.405    | -41.94      | -13         | Pass   |

## 6. Field Strength of Spurious Radiation

| LTE Band 71-Low channel, Modulation: QPSK, Bandwidth:20MHz, 1RB#0 |            |             |                 |                  |                 |                    |                    |        |
|-------------------------------------------------------------------|------------|-------------|-----------------|------------------|-----------------|--------------------|--------------------|--------|
| Frequency (MHz)                                                   | EIRP (dBm) | Limit (dBm) | Over Limit (dB) | S.G. Power (dBm) | Cable Loss (dB) | Antenna Gain (dBi) | Polarization (H/V) | Result |
| 1328.0                                                            | -49.22     | -13         | -36.22          | -51.61           | 2.4             | 4.79               | Horizontal         | Pass   |
| 1992.0                                                            | -66.73     | -13         | -53.73          | -68.65           | 2.72            | 4.64               | Horizontal         | Pass   |
| 2656.0                                                            | -68.3      | -13         | -55.3           | -71.36           | 3.1             | 6.16               | Horizontal         | Pass   |
| 1328.0                                                            | -50.26     | -13         | -37.26          | -52.65           | 2.4             | 4.79               | Vertical           | Pass   |
| 1992.0                                                            | -65.24     | -13         | -52.24          | -67.16           | 2.72            | 4.64               | Vertical           | Pass   |
| 2656.0                                                            | -67.58     | -13         | -54.58          | -70.64           | 3.1             | 6.16               | Vertical           | Pass   |

| LTE Band 71-Middle channel, Modulation: QPSK, Bandwidth:20MHz, 1RB#0 |            |             |                 |                  |                 |                    |                    |        |
|----------------------------------------------------------------------|------------|-------------|-----------------|------------------|-----------------|--------------------|--------------------|--------|
| Frequency (MHz)                                                      | EIRP (dBm) | Limit (dBm) | Over Limit (dB) | S.G. Power (dBm) | Cable Loss (dB) | Antenna Gain (dBi) | Polarization (H/V) | Result |
| 1346.929                                                             | -50.91     | -13         | -37.91          | -53.4            | 2.42            | 4.91               | Horizontal         | Pass   |
| 2022.0                                                               | -65.85     | -13         | -52.85          | -67.78           | 2.74            | 4.67               | Horizontal         | Pass   |
| 2696.0                                                               | -60.14     | -13         | -47.14          | -63.28           | 3.11            | 6.25               | Horizontal         | Pass   |
| 1346.929                                                             | -49.87     | -13         | -36.87          | -52.36           | 2.42            | 4.91               | Vertical           | Pass   |
| 2022.0                                                               | -65.32     | -13         | -52.32          | -67.25           | 2.74            | 4.67               | Vertical           | Pass   |
| 2696.0                                                               | -61.99     | -13         | -48.99          | -65.13           | 3.11            | 6.25               | Vertical           | Pass   |

| LTE Band 71-High channel, Modulation: QPSK, Bandwidth:20MHz, 1RB#0 |            |             |                 |                  |                 |                    |                    |        |
|--------------------------------------------------------------------|------------|-------------|-----------------|------------------|-----------------|--------------------|--------------------|--------|
| Frequency (MHz)                                                    | EIRP (dBm) | Limit (dBm) | Over Limit (dB) | S.G. Power (dBm) | Cable Loss (dB) | Antenna Gain (dBi) | Polarization (H/V) | Result |
| 1358.0                                                             | -49.11     | -13         | -36.11          | -51.66           | 2.43            | 4.98               | Horizontal         | Pass   |
| 2037.0                                                             | -62.5      | -13         | -49.5           | -64.46           | 2.75            | 4.71               | Horizontal         | Pass   |
| 2716.0                                                             | -62.18     | -13         | -49.18          | -65.37           | 3.11            | 6.3                | Horizontal         | Pass   |
| 1358.0                                                             | -52.08     | -13         | -39.08          | -54.63           | 2.43            | 4.98               | Vertical           | Pass   |
| 2037.0                                                             | -65.21     | -13         | -52.21          | -67.17           | 2.75            | 4.71               | Vertical           | Pass   |
| 2716.0                                                             | -63.3      | -13         | -50.3           | -66.49           | 3.11            | 6.3                | Vertical           | Pass   |

Note: External Antenna is the worst case, only the worst case test data were recorded in this report.

## 7. Effective (Isotropic) Radiated Power Output Data (Internal Antenna)

### 7.1 Test Result

#### 7.1.1 B71\_5MHz\_ERP

| 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      | 23.31                 | -3.91      | 17.25     | <=34.77 | Pass    |
|                                   |                 |               | 13     | 23.59                 | -3.91      | 17.53     | <=34.77 | Pass    |
|                                   |                 |               | 24     | 23.20                 | -3.91      | 17.14     | <=34.77 | Pass    |
|                                   |                 | 12            | 0      | 22.44                 | -3.91      | 16.38     | <=34.77 | Pass    |
|                                   |                 |               | 6      | 22.55                 | -3.91      | 16.49     | <=34.77 | Pass    |
|                                   |                 |               | 13     | 22.40                 | -3.91      | 16.34     | <=34.77 | Pass    |
|                                   |                 | 25            | 0      | 22.38                 | -3.91      | 16.32     | <=34.77 | Pass    |
|                                   | 680.5           | 1             | 0      | 23.36                 | -3.91      | 17.30     | <=34.77 | Pass    |
|                                   |                 |               | 13     | 23.38                 | -3.91      | 17.32     | <=34.77 | Pass    |
|                                   |                 |               | 24     | 23.22                 | -3.91      | 17.16     | <=34.77 | Pass    |
|                                   |                 | 12            | 0      | 22.17                 | -3.91      | 16.11     | <=34.77 | Pass    |
|                                   |                 |               | 6      | 22.16                 | -3.91      | 16.10     | <=34.77 | Pass    |
|                                   |                 |               | 13     | 22.12                 | -3.91      | 16.06     | <=34.77 | Pass    |
|                                   |                 | 25            | 0      | 22.14                 | -3.91      | 16.08     | <=34.77 | Pass    |
|                                   | 695.5           | 1             | 0      | 23.19                 | -3.91      | 17.13     | <=34.77 | Pass    |
|                                   |                 |               | 13     | 23.31                 | -3.91      | 17.25     | <=34.77 | Pass    |
|                                   |                 |               | 24     | 23.20                 | -3.91      | 17.14     | <=34.77 | Pass    |
|                                   |                 | 12            | 0      | 22.25                 | -3.91      | 16.19     | <=34.77 | Pass    |
|                                   |                 |               | 6      | 22.27                 | -3.91      | 16.21     | <=34.77 | Pass    |
|                                   |                 |               | 13     | 22.22                 | -3.91      | 16.16     | <=34.77 | Pass    |
|                                   |                 | 25            | 0      | 22.20                 | -3.91      | 16.14     | <=34.77 | Pass    |
| 16QAM                             | 665.5           | 1             | 0      | 22.12                 | -3.91      | 16.06     | <=34.77 | Pass    |
|                                   |                 |               | 13     | 22.30                 | -3.91      | 16.24     | <=34.77 | Pass    |
|                                   |                 |               | 24     | 21.97                 | -3.91      | 15.91     | <=34.77 | Pass    |
|                                   |                 | 12            | 0      | 21.32                 | -3.91      | 15.26     | <=34.77 | Pass    |
|                                   |                 |               | 6      | 21.49                 | -3.91      | 15.43     | <=34.77 | Pass    |
|                                   |                 |               | 13     | 21.25                 | -3.91      | 15.19     | <=34.77 | Pass    |
|                                   |                 | 25            | 0      | 21.36                 | -3.91      | 15.30     | <=34.77 | Pass    |
|                                   | 680.5           | 1             | 0      | 22.28                 | -3.91      | 16.22     | <=34.77 | Pass    |
|                                   |                 |               | 13     | 22.03                 | -3.91      | 15.97     | <=34.77 | Pass    |
|                                   |                 |               | 24     | 21.80                 | -3.91      | 15.74     | <=34.77 | Pass    |
|                                   |                 | 12            | 0      | 21.14                 | -3.91      | 15.08     | <=34.77 | Pass    |
|                                   |                 |               | 6      | 21.15                 | -3.91      | 15.09     | <=34.77 | Pass    |
|                                   |                 |               | 13     | 21.01                 | -3.91      | 14.95     | <=34.77 | Pass    |
|                                   |                 | 25            | 0      | 21.09                 | -3.91      | 15.03     | <=34.77 | Pass    |
|                                   | 695.5           | 1             | 0      | 21.92                 | -3.91      | 15.86     | <=34.77 | Pass    |
|                                   |                 |               | 13     | 21.90                 | -3.91      | 15.84     | <=34.77 | Pass    |
|                                   |                 |               | 24     | 21.79                 | -3.91      | 15.73     | <=34.77 | Pass    |
|                                   |                 | 12            | 0      | 21.07                 | -3.91      | 15.01     | <=34.77 | Pass    |
|                                   |                 |               | 6      | 21.18                 | -3.91      | 15.12     | <=34.77 | Pass    |
|                                   |                 |               | 13     | 21.02                 | -3.91      | 14.96     | <=34.77 | Pass    |
|                                   |                 | 25            | 0      | 21.04                 | -3.91      | 14.98     | <=34.77 | Pass    |
| 64QAM                             | 665.5           | 1             | 0      | 22.02                 | -3.91      | 15.96     | <=34.77 | Pass    |
|                                   |                 |               | 13     | 22.37                 | -3.91      | 16.31     | <=34.77 | Pass    |
|                                   |                 |               | 24     | 21.79                 | -3.91      | 15.73     | <=34.77 | Pass    |
|                                   |                 | 12            | 0      | 21.28                 | -3.91      | 15.22     | <=34.77 | Pass    |

|                                              |       |    |    |       |       |       |         |      |
|----------------------------------------------|-------|----|----|-------|-------|-------|---------|------|
|                                              |       |    | 6  | 21.48 | -3.91 | 15.42 | <=34.77 | Pass |
|                                              |       |    | 13 | 21.53 | -3.91 | 15.47 | <=34.77 | Pass |
|                                              |       | 25 | 0  | 21.40 | -3.91 | 15.34 | <=34.77 | Pass |
|                                              | 680.5 | 1  | 0  | 21.65 | -3.91 | 15.59 | <=34.77 | Pass |
|                                              |       |    | 13 | 21.86 | -3.91 | 15.80 | <=34.77 | Pass |
|                                              |       |    | 24 | 21.42 | -3.91 | 15.36 | <=34.77 | Pass |
|                                              |       | 12 | 0  | 21.02 | -3.91 | 14.96 | <=34.77 | Pass |
|                                              |       |    | 6  | 20.99 | -3.91 | 14.93 | <=34.77 | Pass |
|                                              |       |    | 13 | 20.90 | -3.91 | 14.84 | <=34.77 | Pass |
|                                              |       | 25 | 0  | 21.25 | -3.91 | 15.19 | <=34.77 | Pass |
|                                              | 695.5 | 1  | 0  | 21.83 | -3.91 | 15.77 | <=34.77 | Pass |
|                                              |       |    | 13 | 21.96 | -3.91 | 15.90 | <=34.77 | Pass |
|                                              |       |    | 24 | 21.51 | -3.91 | 15.45 | <=34.77 | Pass |
|                                              |       | 12 | 0  | 20.84 | -3.91 | 14.78 | <=34.77 | Pass |
|                                              |       |    | 6  | 20.90 | -3.91 | 14.84 | <=34.77 | Pass |
|                                              |       |    | 13 | 20.87 | -3.91 | 14.81 | <=34.77 | Pass |
|                                              |       | 25 | 0  | 21.13 | -3.91 | 15.07 | <=34.77 | Pass |
| Note1: ERP=Conducted Power+Antenna Gain-2.15 |       |    |    |       |       |       |         |      |

### 7.1.2 B71 10MHz ERP

| 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      | 23.51                 | -3.91      | 17.45     | <=34.77 | Pass    |         |      |
|                                    |                 |               | 25     | 23.83                 | -3.91      | 17.77     | <=34.77 | Pass    |         |      |
|                                    |                 |               | 49     | 23.27                 | -3.91      | 17.21     | <=34.77 | Pass    |         |      |
|                                    |                 | 25            | 0      | 22.50                 | -3.91      | 16.44     | <=34.77 | Pass    |         |      |
|                                    |                 |               | 13     | 22.53                 | -3.91      | 16.47     | <=34.77 | Pass    |         |      |
|                                    |                 |               | 25     | 22.33                 | -3.91      | 16.27     | <=34.77 | Pass    |         |      |
|                                    |                 | 50            | 0      | 22.47                 | -3.91      | 16.41     | <=34.77 | Pass    |         |      |
|                                    |                 | 680.5         | 1      | 0                     | 23.48      | -3.91     | 17.42   | <=34.77 | Pass    |      |
|                                    |                 |               |        | 25                    | 23.48      | -3.91     | 17.42   | <=34.77 | Pass    |      |
|                                    | 49              |               |        | 23.17                 | -3.91      | 17.11     | <=34.77 | Pass    |         |      |
|                                    | 25              |               | 0      | 22.39                 | -3.91      | 16.33     | <=34.77 | Pass    |         |      |
|                                    |                 |               | 13     | 22.35                 | -3.91      | 16.29     | <=34.77 | Pass    |         |      |
|                                    |                 |               | 25     | 22.27                 | -3.91      | 16.21     | <=34.77 | Pass    |         |      |
|                                    | 50              |               | 0      | 22.39                 | -3.91      | 16.33     | <=34.77 | Pass    |         |      |
|                                    | 693             |               | 1      | 0                     | 23.36      | -3.91     | 17.30   | <=34.77 | Pass    |      |
|                                    |                 |               |        | 25                    | 23.70      | -3.91     | 17.64   | <=34.77 | Pass    |      |
|                                    |                 | 49            |        | 23.18                 | -3.91      | 17.12     | <=34.77 | Pass    |         |      |
|                                    |                 | 25            | 0      | 22.35                 | -3.91      | 16.29     | <=34.77 | Pass    |         |      |
|                                    |                 |               | 13     | 22.26                 | -3.91      | 16.20     | <=34.77 | Pass    |         |      |
|                                    |                 |               | 25     | 22.19                 | -3.91      | 16.13     | <=34.77 | Pass    |         |      |
|                                    |                 | 50            | 0      | 22.25                 | -3.91      | 16.19     | <=34.77 | Pass    |         |      |
|                                    |                 | 16QAM         | 668    | 1                     | 0          | 21.57     | -3.91   | 15.51   | <=34.77 | Pass |
|                                    |                 |               |        |                       | 25         | 22.56     | -3.91   | 16.50   | <=34.77 | Pass |
|                                    | 49              |               |        |                       | 21.93      | -3.91     | 15.87   | <=34.77 | Pass    |      |
| 25                                 | 0               |               |        | 21.32                 | -3.91      | 15.26     | <=34.77 | Pass    |         |      |
|                                    | 13              |               |        | 21.36                 | -3.91      | 15.30     | <=34.77 | Pass    |         |      |
|                                    | 25              |               |        | 21.36                 | -3.91      | 15.30     | <=34.77 | Pass    |         |      |
| 50                                 | 0               |               |        | 21.47                 | -3.91      | 15.41     | <=34.77 | Pass    |         |      |
| 680.5                              | 1               |               |        | 0                     | 22.29      | -3.91     | 16.23   | <=34.77 | Pass    |      |
|                                    |                 |               |        | 25                    | 22.11      | -3.91     | 16.05   | <=34.77 | Pass    |      |
|                                    |                 |               | 49     | 21.85                 | -3.91      | 15.79     | <=34.77 | Pass    |         |      |
|                                    | 25              |               | 0      | 21.23                 | -3.91      | 15.17     | <=34.77 | Pass    |         |      |
|                                    |                 |               | 13     | 21.21                 | -3.91      | 15.15     | <=34.77 | Pass    |         |      |
|                                    |                 |               |        |                       |            |           |         |         |         |      |

|                                              |       |    |       |       |       |         |         |         |
|----------------------------------------------|-------|----|-------|-------|-------|---------|---------|---------|
|                                              |       |    | 25    | 21.09 | -3.91 | 15.03   | <=34.77 | Pass    |
|                                              |       | 50 | 0     | 21.09 | -3.91 | 15.03   | <=34.77 | Pass    |
|                                              | 693   | 1  | 0     | 22.00 | -3.91 | 15.94   | <=34.77 | Pass    |
|                                              |       |    | 25    | 21.69 | -3.91 | 15.63   | <=34.77 | Pass    |
|                                              |       |    | 49    | 21.79 | -3.91 | 15.73   | <=34.77 | Pass    |
|                                              |       | 25 | 0     | 21.13 | -3.91 | 15.07   | <=34.77 | Pass    |
|                                              |       |    | 13    | 21.41 | -3.91 | 15.35   | <=34.77 | Pass    |
|                                              |       |    | 25    | 21.02 | -3.91 | 14.96   | <=34.77 | Pass    |
|                                              | 50    | 0  | 21.06 | -3.91 | 15.00 | <=34.77 | Pass    |         |
| 64QAM                                        | 668   | 1  | 0     | 21.55 | -3.91 | 15.49   | <=34.77 | Pass    |
|                                              |       |    | 25    | 22.33 | -3.91 | 16.27   | <=34.77 | Pass    |
|                                              |       |    | 49    | 21.63 | -3.91 | 15.57   | <=34.77 | Pass    |
|                                              |       | 25 | 0     | 21.58 | -3.91 | 15.52   | <=34.77 | Pass    |
|                                              |       |    | 13    | 21.56 | -3.91 | 15.50   | <=34.77 | Pass    |
|                                              |       |    | 25    | 21.43 | -3.91 | 15.37   | <=34.77 | Pass    |
|                                              |       |    | 50    | 0     | 21.35 | -3.91   | 15.29   | <=34.77 |
|                                              | 680.5 | 1  | 0     | 21.80 | -3.91 | 15.74   | <=34.77 | Pass    |
|                                              |       |    | 25    | 22.30 | -3.91 | 16.24   | <=34.77 | Pass    |
|                                              |       |    | 49    | 21.73 | -3.91 | 15.67   | <=34.77 | Pass    |
|                                              |       | 25 | 0     | 21.35 | -3.91 | 15.29   | <=34.77 | Pass    |
|                                              |       |    | 13    | 21.22 | -3.91 | 15.16   | <=34.77 | Pass    |
|                                              |       |    | 25    | 21.24 | -3.91 | 15.18   | <=34.77 | Pass    |
|                                              |       |    | 50    | 0     | 21.23 | -3.91   | 15.17   | <=34.77 |
|                                              | 693   | 1  | 0     | 21.80 | -3.91 | 15.74   | <=34.77 | Pass    |
|                                              |       |    | 25    | 22.03 | -3.91 | 15.97   | <=34.77 | Pass    |
|                                              |       |    | 49    | 21.56 | -3.91 | 15.50   | <=34.77 | Pass    |
|                                              |       | 25 | 0     | 21.26 | -3.91 | 15.20   | <=34.77 | Pass    |
|                                              |       |    | 13    | 21.27 | -3.91 | 15.21   | <=34.77 | Pass    |
|                                              |       |    | 25    | 21.20 | -3.91 | 15.14   | <=34.77 | Pass    |
|                                              |       | 50 | 0     | 21.25 | -3.91 | 15.19   | <=34.77 | Pass    |
| Note1: ERP=Conducted Power+Antenna Gain-2.15 |       |    |       |       |       |         |         |         |

### 7.1.3 B71\_15MHz\_ERP

| 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      | 23.63                 | -3.91      | 17.57     | <=34.77 | Pass    |
|                                    |                 |               | 38     | 23.41                 | -3.91      | 17.35     | <=34.77 | Pass    |
|                                    |                 |               | 74     | 23.30                 | -3.91      | 17.24     | <=34.77 | Pass    |
|                                    |                 | 36            | 0      | 22.45                 | -3.91      | 16.39     | <=34.77 | Pass    |
|                                    |                 |               | 18     | 22.38                 | -3.91      | 16.32     | <=34.77 | Pass    |
|                                    |                 |               | 39     | 22.31                 | -3.91      | 16.25     | <=34.77 | Pass    |
|                                    |                 | 75            | 0      | 22.37                 | -3.91      | 16.31     | <=34.77 | Pass    |
|                                    | 680.5           | 1             | 0      | 23.55                 | -3.91      | 17.49     | <=34.77 | Pass    |
|                                    |                 |               | 38     | 23.57                 | -3.91      | 17.51     | <=34.77 | Pass    |
|                                    |                 |               | 74     | 23.15                 | -3.91      | 17.09     | <=34.77 | Pass    |
|                                    |                 | 36            | 0      | 22.40                 | -3.91      | 16.34     | <=34.77 | Pass    |
|                                    |                 |               | 18     | 22.33                 | -3.91      | 16.27     | <=34.77 | Pass    |
|                                    |                 |               | 39     | 22.22                 | -3.91      | 16.16     | <=34.77 | Pass    |
|                                    |                 | 75            | 0      | 22.34                 | -3.91      | 16.28     | <=34.77 | Pass    |
|                                    | 690.5           | 1             | 0      | 23.34                 | -3.91      | 17.28     | <=34.77 | Pass    |
|                                    |                 |               | 38     | 23.33                 | -3.91      | 17.27     | <=34.77 | Pass    |
|                                    |                 |               | 74     | 23.27                 | -3.91      | 17.21     | <=34.77 | Pass    |
|                                    |                 | 36            | 0      | 22.29                 | -3.91      | 16.23     | <=34.77 | Pass    |
|                                    |                 |               | 18     | 22.27                 | -3.91      | 16.21     | <=34.77 | Pass    |
|                                    |                 |               | 39     | 22.13                 | -3.91      | 16.07     | <=34.77 | Pass    |

|       |                                              |       |       |       |       |       |         |         |         |
|-------|----------------------------------------------|-------|-------|-------|-------|-------|---------|---------|---------|
|       |                                              | 75    | 0     | 22.27 | -3.91 | 16.21 | <=34.77 | Pass    |         |
| 16QAM | 670.5                                        | 1     | 0     | 22.12 | -3.91 | 16.06 | <=34.77 | Pass    |         |
|       |                                              |       | 38    | 22.43 | -3.91 | 16.37 | <=34.77 | Pass    |         |
|       |                                              |       | 74    | 21.72 | -3.91 | 15.66 | <=34.77 | Pass    |         |
|       |                                              |       | 0     | 21.27 | -3.91 | 15.21 | <=34.77 | Pass    |         |
|       |                                              | 36    | 18    | 21.27 | -3.91 | 15.21 | <=34.77 | Pass    |         |
|       |                                              |       | 39    | 21.26 | -3.91 | 15.20 | <=34.77 | Pass    |         |
|       |                                              |       | 75    | 0     | 21.26 | -3.91 | 15.20   | <=34.77 | Pass    |
|       |                                              | 680.5 | 1     | 0     | 22.17 | -3.91 | 16.11   | <=34.77 | Pass    |
|       |                                              |       |       | 38    | 22.02 | -3.91 | 15.96   | <=34.77 | Pass    |
|       |                                              |       |       | 74    | 21.55 | -3.91 | 15.49   | <=34.77 | Pass    |
|       | 0                                            |       |       | 21.24 | -3.91 | 15.18 | <=34.77 | Pass    |         |
|       | 36                                           |       | 18    | 21.16 | -3.91 | 15.10 | <=34.77 | Pass    |         |
|       |                                              |       | 39    | 21.05 | -3.91 | 14.99 | <=34.77 | Pass    |         |
|       |                                              |       | 75    | 0     | 21.27 | -3.91 | 15.21   | <=34.77 | Pass    |
|       | 690.5                                        |       | 1     | 0     | 21.80 | -3.91 | 15.74   | <=34.77 | Pass    |
|       |                                              | 38    |       | 21.90 | -3.91 | 15.84 | <=34.77 | Pass    |         |
|       |                                              | 74    |       | 21.67 | -3.91 | 15.61 | <=34.77 | Pass    |         |
|       |                                              | 0     |       | 21.10 | -3.91 | 15.04 | <=34.77 | Pass    |         |
|       |                                              | 36    | 18    | 21.12 | -3.91 | 15.06 | <=34.77 | Pass    |         |
|       |                                              |       | 39    | 20.99 | -3.91 | 14.93 | <=34.77 | Pass    |         |
|       |                                              |       | 75    | 0     | 21.13 | -3.91 | 15.07   | <=34.77 | Pass    |
|       |                                              | 64QAM | 670.5 | 1     | 0     | 22.58 | -3.91   | 16.52   | <=34.77 |
| 38    | 22.35                                        |       |       |       | -3.91 | 16.29 | <=34.77 | Pass    |         |
| 74    | 21.72                                        |       |       |       | -3.91 | 15.66 | <=34.77 | Pass    |         |
| 0     | 21.33                                        |       |       |       | -3.91 | 15.27 | <=34.77 | Pass    |         |
| 36    | 18                                           |       |       | 21.39 | -3.91 | 15.33 | <=34.77 | Pass    |         |
|       | 39                                           |       |       | 21.26 | -3.91 | 15.20 | <=34.77 | Pass    |         |
|       | 75                                           |       |       | 0     | 21.34 | -3.91 | 15.28   | <=34.77 | Pass    |
|       | 680.5                                        |       |       | 1     | 0     | 21.60 | -3.91   | 15.54   | <=34.77 |
| 38    |                                              |       | 21.78 |       | -3.91 | 15.72 | <=34.77 | Pass    |         |
| 74    |                                              |       | 21.40 |       | -3.91 | 15.34 | <=34.77 | Pass    |         |
| 0     |                                              |       | 21.24 |       | -3.91 | 15.18 | <=34.77 | Pass    |         |
| 36    |                                              |       | 18    | 21.18 | -3.91 | 15.12 | <=34.77 | Pass    |         |
|       |                                              |       | 39    | 21.13 | -3.91 | 15.07 | <=34.77 | Pass    |         |
|       |                                              |       | 75    | 0     | 21.27 | -3.91 | 15.21   | <=34.77 | Pass    |
|       |                                              |       | 690.5 | 1     | 0     | 21.81 | -3.91   | 15.75   | <=34.77 |
| 38    | 21.74                                        |       |       |       | -3.91 | 15.68 | <=34.77 | Pass    |         |
| 74    | 21.51                                        |       |       |       | -3.91 | 15.45 | <=34.77 | Pass    |         |
| 0     | 21.41                                        |       |       |       | -3.91 | 15.35 | <=34.77 | Pass    |         |
| 36    | 18                                           |       |       | 21.22 | -3.91 | 15.16 | <=34.77 | Pass    |         |
|       | 39                                           |       |       | 21.16 | -3.91 | 15.10 | <=34.77 | Pass    |         |
|       | 75                                           |       |       | 0     | 21.22 | -3.91 | 15.16   | <=34.77 | Pass    |
|       | Note1: ERP=Conducted Power+Antenna Gain-2.15 |       |       |       |       |       |         |         |         |

#### 7.1.4 B71\_20MHz\_ERP

| 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      | 23.26                 | -3.91      | 17.20     | <=34.77 | Pass    |
|                                    |                 |               | 50     | 23.71                 | -3.91      | 17.65     | <=34.77 | Pass    |
|                                    |                 |               | 99     | 23.03                 | -3.91      | 16.97     | <=34.77 | Pass    |
|                                    |                 | 50            | 0      | 22.41                 | -3.91      | 16.35     | <=34.77 | Pass    |
|                                    |                 |               | 25     | 22.30                 | -3.91      | 16.24     | <=34.77 | Pass    |
|                                    |                 |               | 50     | 22.24                 | -3.91      | 16.18     | <=34.77 | Pass    |
|                                    |                 | 100           | 0      | 22.35                 | -3.91      | 16.29     | <=34.77 | Pass    |

|                                              |       |       |       |       |         |         |         |         |      |
|----------------------------------------------|-------|-------|-------|-------|---------|---------|---------|---------|------|
|                                              | 683   | 1     | 0     | 23.28 | -3.91   | 17.22   | <=34.77 | Pass    |      |
|                                              |       |       | 50    | 23.54 | -3.91   | 17.48   | <=34.77 | Pass    |      |
|                                              |       |       | 99    | 22.97 | -3.91   | 16.91   | <=34.77 | Pass    |      |
|                                              |       | 50    | 0     | 22.30 | -3.91   | 16.24   | <=34.77 | Pass    |      |
|                                              |       |       | 25    | 22.28 | -3.91   | 16.22   | <=34.77 | Pass    |      |
|                                              |       |       | 50    | 22.12 | -3.91   | 16.06   | <=34.77 | Pass    |      |
|                                              |       | 100   | 0     | 22.22 | -3.91   | 16.16   | <=34.77 | Pass    |      |
|                                              |       | 50    | 23.50 | -3.91 | 17.44   | <=34.77 | Pass    |         |      |
|                                              |       | 99    | 22.86 | -3.91 | 16.80   | <=34.77 | Pass    |         |      |
|                                              | 50    | 0     | 22.14 | -3.91 | 16.08   | <=34.77 | Pass    |         |      |
|                                              |       | 25    | 22.17 | -3.91 | 16.11   | <=34.77 | Pass    |         |      |
|                                              |       | 50    | 22.02 | -3.91 | 15.96   | <=34.77 | Pass    |         |      |
| 100                                          | 0     | 22.24 | -3.91 | 16.18 | <=34.77 | Pass    |         |         |      |
| 16QAM                                        | 673   | 1     | 0     | 21.91 | -3.91   | 15.85   | <=34.77 | Pass    |      |
|                                              |       |       | 50    | 22.09 | -3.91   | 16.03   | <=34.77 | Pass    |      |
|                                              |       |       | 99    | 21.54 | -3.91   | 15.48   | <=34.77 | Pass    |      |
|                                              |       | 50    | 0     | 21.32 | -3.91   | 15.26   | <=34.77 | Pass    |      |
|                                              |       |       | 25    | 21.36 | -3.91   | 15.30   | <=34.77 | Pass    |      |
|                                              |       |       | 50    | 21.11 | -3.91   | 15.05   | <=34.77 | Pass    |      |
|                                              |       | 100   | 0     | 21.21 | -3.91   | 15.15   | <=34.77 | Pass    |      |
|                                              |       | 50    | 22.18 | -3.91 | 16.12   | <=34.77 | Pass    |         |      |
|                                              |       | 99    | 21.50 | -3.91 | 15.44   | <=34.77 | Pass    |         |      |
|                                              | 50    | 0     | 21.28 | -3.91 | 15.22   | <=34.77 | Pass    |         |      |
|                                              |       | 25    | 21.25 | -3.91 | 15.19   | <=34.77 | Pass    |         |      |
|                                              |       | 50    | 21.07 | -3.91 | 15.01   | <=34.77 | Pass    |         |      |
|                                              | 100   | 0     | 21.21 | -3.91 | 15.15   | <=34.77 | Pass    |         |      |
|                                              | 50    | 22.16 | -3.91 | 16.10 | <=34.77 | Pass    |         |         |      |
|                                              | 99    | 21.38 | -3.91 | 15.32 | <=34.77 | Pass    |         |         |      |
|                                              | 50    | 0     | 21.22 | -3.91 | 15.16   | <=34.77 | Pass    |         |      |
|                                              |       | 25    | 21.29 | -3.91 | 15.23   | <=34.77 | Pass    |         |      |
|                                              |       | 50    | 20.93 | -3.91 | 14.87   | <=34.77 | Pass    |         |      |
|                                              | 100   | 0     | 21.12 | -3.91 | 15.06   | <=34.77 | Pass    |         |      |
|                                              | 64QAM | 673   | 1     | 0     | 21.59   | -3.91   | 15.53   | <=34.77 | Pass |
|                                              |       |       |       | 50    | 22.30   | -3.91   | 16.24   | <=34.77 | Pass |
|                                              |       |       |       | 99    | 21.55   | -3.91   | 15.49   | <=34.77 | Pass |
|                                              |       |       | 50    | 0     | 21.24   | -3.91   | 15.18   | <=34.77 | Pass |
|                                              |       |       |       | 25    | 21.28   | -3.91   | 15.22   | <=34.77 | Pass |
| 50                                           |       |       |       | 21.16 | -3.91   | 15.10   | <=34.77 | Pass    |      |
| 100                                          |       |       | 0     | 21.19 | -3.91   | 15.13   | <=34.77 | Pass    |      |
| 50                                           |       |       | 22.15 | -3.91 | 16.09   | <=34.77 | Pass    |         |      |
| 99                                           |       |       | 20.94 | -3.91 | 14.88   | <=34.77 | Pass    |         |      |
| 50                                           |       | 0     | 21.22 | -3.91 | 15.16   | <=34.77 | Pass    |         |      |
|                                              |       | 25    | 21.33 | -3.91 | 15.27   | <=34.77 | Pass    |         |      |
|                                              |       | 50    | 21.02 | -3.91 | 14.96   | <=34.77 | Pass    |         |      |
| 100                                          |       | 0     | 21.19 | -3.91 | 15.13   | <=34.77 | Pass    |         |      |
| 50                                           |       | 21.84 | -3.91 | 15.78 | <=34.77 | Pass    |         |         |      |
| 99                                           |       | 21.34 | -3.91 | 15.28 | <=34.77 | Pass    |         |         |      |
| 50                                           |       | 0     | 21.18 | -3.91 | 15.12   | <=34.77 | Pass    |         |      |
|                                              |       | 25    | 21.27 | -3.91 | 15.21   | <=34.77 | Pass    |         |      |
|                                              |       | 50    | 21.13 | -3.91 | 15.07   | <=34.77 | Pass    |         |      |
| 100                                          | 0     | 21.02 | -3.91 | 14.96 | <=34.77 | Pass    |         |         |      |
| Note1: ERP=Conducted Power+Antenna Gain-2.15 |       |       |       |       |         |         |         |         |      |