

# 1. Effective (Isotropic) Radiated Power Output Data

## 1.1 Test Result

### 1.1.1 B71\_5MHz\_ERP

| Band: 71 / Bandwidth: 5MHz / NTV             |                 |               |        |                       |            |           |         |         |
|----------------------------------------------|-----------------|---------------|--------|-----------------------|------------|-----------|---------|---------|
| Modulation                                   | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dBi) | ERP (dBm) |         | Verdict |
|                                              |                 | Size          | Offset |                       |            | Result    | Limit   |         |
| QPSK                                         | 665.5           | 1             | 0      | 28.95                 | -0.57      | 26.23     | <=34.77 | Pass    |
|                                              |                 |               | 13     | 29.11                 | -0.57      | 26.39     | <=34.77 | Pass    |
|                                              |                 |               | 24     | 28.97                 | -0.57      | 26.25     | <=34.77 | Pass    |
|                                              |                 | 12            | 0      | 27.95                 | -0.57      | 25.23     | <=34.77 | Pass    |
|                                              |                 |               | 6      | 28.13                 | -0.57      | 25.41     | <=34.77 | Pass    |
|                                              |                 |               | 13     | 28.13                 | -0.57      | 25.41     | <=34.77 | Pass    |
|                                              |                 | 25            | 0      | 28.09                 | -0.57      | 25.37     | <=34.77 | Pass    |
|                                              | 680.5           | 1             | 0      | 28.91                 | -0.57      | 26.19     | <=34.77 | Pass    |
|                                              |                 |               | 13     | 29.08                 | -0.57      | 26.36     | <=34.77 | Pass    |
|                                              |                 |               | 24     | 28.94                 | -0.57      | 26.22     | <=34.77 | Pass    |
|                                              |                 | 12            | 0      | 28.08                 | -0.57      | 25.36     | <=34.77 | Pass    |
|                                              |                 |               | 6      | 28.08                 | -0.57      | 25.36     | <=34.77 | Pass    |
|                                              |                 |               | 13     | 28.00                 | -0.57      | 25.28     | <=34.77 | Pass    |
|                                              |                 | 25            | 0      | 28.02                 | -0.57      | 25.30     | <=34.77 | Pass    |
|                                              | 695.5           | 1             | 0      | 28.95                 | -0.57      | 26.23     | <=34.77 | Pass    |
|                                              |                 |               | 13     | 28.65                 | -0.57      | 25.93     | <=34.77 | Pass    |
|                                              |                 |               | 24     | 28.44                 | -0.57      | 25.72     | <=34.77 | Pass    |
|                                              |                 | 12            | 0      | 27.50                 | -0.57      | 24.78     | <=34.77 | Pass    |
|                                              |                 |               | 6      | 27.62                 | -0.57      | 24.90     | <=34.77 | Pass    |
|                                              |                 |               | 13     | 27.54                 | -0.57      | 24.82     | <=34.77 | Pass    |
|                                              |                 | 25            | 0      | 27.56                 | -0.57      | 24.84     | <=34.77 | Pass    |
| 16QAM                                        | 665.5           | 1             | 0      | 28.24                 | -0.57      | 25.52     | <=34.77 | Pass    |
|                                              |                 |               | 13     | 28.39                 | -0.57      | 25.67     | <=34.77 | Pass    |
|                                              |                 |               | 24     | 28.28                 | -0.57      | 25.56     | <=34.77 | Pass    |
|                                              |                 | 12            | 0      | 26.96                 | -0.57      | 24.24     | <=34.77 | Pass    |
|                                              |                 |               | 6      | 27.14                 | -0.57      | 24.42     | <=34.77 | Pass    |
|                                              |                 |               | 13     | 27.06                 | -0.57      | 24.34     | <=34.77 | Pass    |
|                                              |                 | 25            | 0      | 27.03                 | -0.57      | 24.31     | <=34.77 | Pass    |
|                                              | 680.5           | 1             | 0      | 27.81                 | -0.57      | 25.09     | <=34.77 | Pass    |
|                                              |                 |               | 13     | 27.93                 | -0.57      | 25.21     | <=34.77 | Pass    |
|                                              |                 |               | 24     | 27.77                 | -0.57      | 25.05     | <=34.77 | Pass    |
|                                              |                 | 12            | 0      | 26.93                 | -0.57      | 24.21     | <=34.77 | Pass    |
|                                              |                 |               | 6      | 27.05                 | -0.57      | 24.33     | <=34.77 | Pass    |
|                                              |                 |               | 13     | 26.96                 | -0.57      | 24.24     | <=34.77 | Pass    |
|                                              |                 | 25            | 0      | 26.90                 | -0.57      | 24.18     | <=34.77 | Pass    |
|                                              | 695.5           | 1             | 0      | 27.54                 | -0.57      | 24.82     | <=34.77 | Pass    |
|                                              |                 |               | 13     | 27.71                 | -0.57      | 24.99     | <=34.77 | Pass    |
|                                              |                 |               | 24     | 27.60                 | -0.57      | 24.88     | <=34.77 | Pass    |
|                                              |                 | 12            | 0      | 26.47                 | -0.57      | 23.75     | <=34.77 | Pass    |
|                                              |                 |               | 6      | 26.53                 | -0.57      | 23.81     | <=34.77 | Pass    |
|                                              |                 |               | 13     | 26.47                 | -0.57      | 23.75     | <=34.77 | Pass    |
|                                              |                 | 25            | 0      | 26.55                 | -0.57      | 23.83     | <=34.77 | Pass    |
| Note1: ERP=Conducted Power+Antenna Gain-2.15 |                 |               |        |                       |            |           |         |         |

### 1.1.2 B71\_10MHz\_ERP

| Band: 71 / Bandwidth: 10MHz / NTNV |  |  |  |  |  |  |  |  |
|------------------------------------|--|--|--|--|--|--|--|--|
|------------------------------------|--|--|--|--|--|--|--|--|

| Modulation                                   | Frequency<br>(MHz) | RB Allocation |        | Conducted Power<br>(dBm) | Gain<br>(dBi) | ERP (dBm) |         | Verdict |      |
|----------------------------------------------|--------------------|---------------|--------|--------------------------|---------------|-----------|---------|---------|------|
|                                              |                    | Size          | Offset |                          |               | Result    | Limit   |         |      |
| QPSK                                         | 668                | 1             | 0      | 29.05                    | -0.57         | 26.33     | <=34.77 | Pass    |      |
|                                              |                    |               | 25     | 29.26                    | -0.57         | 26.54     | <=34.77 | Pass    |      |
|                                              |                    |               | 49     | 29.16                    | -0.57         | 26.44     | <=34.77 | Pass    |      |
|                                              |                    | 25            | 0      | 27.87                    | -0.57         | 25.15     | <=34.77 | Pass    |      |
|                                              |                    |               | 13     | 27.83                    | -0.57         | 25.11     | <=34.77 | Pass    |      |
|                                              |                    |               | 25     | 27.71                    | -0.57         | 24.99     | <=34.77 | Pass    |      |
|                                              |                    | 50            | 0      | 27.63                    | -0.57         | 24.91     | <=34.77 | Pass    |      |
|                                              |                    | 680.5         | 1      | 0                        | 28.50         | -0.57     | 25.78   | <=34.77 | Pass |
|                                              |                    |               |        | 25                       | 28.75         | -0.57     | 26.03   | <=34.77 | Pass |
|                                              | 49                 |               |        | 28.54                    | -0.57         | 25.82     | <=34.77 | Pass    |      |
|                                              | 25                 |               | 0      | 27.71                    | -0.57         | 24.99     | <=34.77 | Pass    |      |
|                                              |                    |               | 13     | 27.61                    | -0.57         | 24.89     | <=34.77 | Pass    |      |
|                                              |                    |               | 25     | 27.59                    | -0.57         | 24.87     | <=34.77 | Pass    |      |
|                                              | 50                 | 0             | 27.64  | -0.57                    | 24.92         | <=34.77   | Pass    |         |      |
|                                              | 693                | 1             | 0      | 28.49                    | -0.57         | 25.77     | <=34.77 | Pass    |      |
|                                              |                    |               | 25     | 28.60                    | -0.57         | 25.88     | <=34.77 | Pass    |      |
|                                              |                    |               | 49     | 28.54                    | -0.57         | 25.82     | <=34.77 | Pass    |      |
|                                              |                    | 25            | 0      | 27.55                    | -0.57         | 24.83     | <=34.77 | Pass    |      |
|                                              |                    |               | 13     | 27.61                    | -0.57         | 24.89     | <=34.77 | Pass    |      |
|                                              |                    |               | 25     | 27.55                    | -0.57         | 24.83     | <=34.77 | Pass    |      |
|                                              |                    | 50            | 0      | 27.55                    | -0.57         | 24.83     | <=34.77 | Pass    |      |
| 16QAM                                        |                    | 668           | 1      | 0                        | 27.58         | -0.57     | 24.86   | <=34.77 | Pass |
|                                              |                    |               |        | 25                       | 27.79         | -0.57     | 25.07   | <=34.77 | Pass |
|                                              | 49                 |               |        | 27.62                    | -0.57         | 24.90     | <=34.77 | Pass    |      |
|                                              | 25                 |               | 0      | 26.58                    | -0.57         | 23.86     | <=34.77 | Pass    |      |
|                                              |                    |               | 13     | 26.71                    | -0.57         | 23.99     | <=34.77 | Pass    |      |
|                                              |                    |               | 25     | 26.70                    | -0.57         | 23.98     | <=34.77 | Pass    |      |
|                                              | 50                 |               | 0      | 26.56                    | -0.57         | 23.84     | <=34.77 | Pass    |      |
|                                              | 680.5              | 1             | 0      | 27.66                    | -0.57         | 24.94     | <=34.77 | Pass    |      |
|                                              |                    |               | 25     | 27.87                    | -0.57         | 25.15     | <=34.77 | Pass    |      |
|                                              |                    |               | 49     | 27.78                    | -0.57         | 25.06     | <=34.77 | Pass    |      |
|                                              |                    | 25            | 0      | 26.71                    | -0.57         | 23.99     | <=34.77 | Pass    |      |
|                                              |                    |               | 13     | 26.62                    | -0.57         | 23.90     | <=34.77 | Pass    |      |
| 25                                           | 26.57              | -0.57         | 23.85  | <=34.77                  | Pass          |           |         |         |      |
| 50                                           | 0                  | 26.65         | -0.57  | 23.93                    | <=34.77       | Pass      |         |         |      |
| 693                                          | 1                  | 0             | 28.11  | -0.57                    | 25.39         | <=34.77   | Pass    |         |      |
|                                              |                    | 25            | 28.37  | -0.57                    | 25.65         | <=34.77   | Pass    |         |      |
|                                              |                    | 49            | 28.09  | -0.57                    | 25.37         | <=34.77   | Pass    |         |      |
|                                              | 25                 | 0             | 26.56  | -0.57                    | 23.84         | <=34.77   | Pass    |         |      |
|                                              |                    | 13            | 26.66  | -0.57                    | 23.94         | <=34.77   | Pass    |         |      |
|                                              | 25                 | 26.59         | -0.57  | 23.87                    | <=34.77       | Pass      |         |         |      |
|                                              | 50                 | 0             | 26.52  | -0.57                    | 23.80         | <=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      | 28.94                 | -0.57      | 26.22     | <=34.77 | Pass    |
|                                    |                 |               | 38     | 28.57                 | -0.57      | 25.85     | <=34.77 | Pass    |
|                                    |                 |               | 74     | 28.44                 | -0.57      | 25.72     | <=34.77 | Pass    |
|                                    |                 | 36            | 0      | 27.54                 | -0.57      | 24.82     | <=34.77 | Pass    |
|                                    |                 |               | 18     | 27.64                 | -0.57      | 24.92     | <=34.77 | Pass    |
|                                    |                 |               | 39     | 27.61                 | -0.57      | 24.89     | <=34.77 | Pass    |

|       |       |    |    |       |       |       |         |      |
|-------|-------|----|----|-------|-------|-------|---------|------|
| 16QAM | 680.5 | 75 | 0  | 27.55 | -0.57 | 24.83 | <=34.77 | Pass |
|       |       | 1  | 0  | 28.41 | -0.57 | 25.69 | <=34.77 | Pass |
|       |       |    | 38 | 28.57 | -0.57 | 25.85 | <=34.77 | Pass |
|       |       |    | 74 | 28.51 | -0.57 | 25.79 | <=34.77 | Pass |
|       |       | 36 | 0  | 27.68 | -0.57 | 24.96 | <=34.77 | Pass |
|       |       |    | 18 | 27.61 | -0.57 | 24.89 | <=34.77 | Pass |
|       |       |    | 39 | 27.63 | -0.57 | 24.91 | <=34.77 | Pass |
|       |       | 75 | 0  | 27.71 | -0.57 | 24.99 | <=34.77 | Pass |
|       | 690.5 | 1  | 0  | 28.35 | -0.57 | 25.63 | <=34.77 | Pass |
|       |       |    | 38 | 28.48 | -0.57 | 25.76 | <=34.77 | Pass |
|       |       |    | 74 | 28.45 | -0.57 | 25.73 | <=34.77 | Pass |
|       |       | 36 | 0  | 27.56 | -0.57 | 24.84 | <=34.77 | Pass |
|       |       |    | 18 | 27.60 | -0.57 | 24.88 | <=34.77 | Pass |
|       |       |    | 39 | 27.65 | -0.57 | 24.93 | <=34.77 | Pass |
|       |       | 75 | 0  | 27.61 | -0.57 | 24.89 | <=34.77 | Pass |
|       | 670.5 | 1  | 0  | 27.83 | -0.57 | 25.11 | <=34.77 | Pass |
|       |       |    | 38 | 27.95 | -0.57 | 25.23 | <=34.77 | Pass |
|       |       |    | 74 | 27.86 | -0.57 | 25.14 | <=34.77 | Pass |
|       |       | 36 | 0  | 26.44 | -0.57 | 23.72 | <=34.77 | Pass |
|       |       |    | 18 | 26.56 | -0.57 | 23.84 | <=34.77 | Pass |
|       |       |    | 39 | 26.56 | -0.57 | 23.84 | <=34.77 | Pass |
|       |       | 75 | 0  | 26.51 | -0.57 | 23.79 | <=34.77 | Pass |
|       | 680.5 | 1  | 0  | 27.59 | -0.57 | 24.87 | <=34.77 | Pass |
|       |       |    | 38 | 27.71 | -0.57 | 24.99 | <=34.77 | Pass |
|       |       |    | 74 | 27.74 | -0.57 | 25.02 | <=34.77 | Pass |
|       |       | 36 | 0  | 26.70 | -0.57 | 23.98 | <=34.77 | Pass |
|       |       |    | 18 | 26.59 | -0.57 | 23.87 | <=34.77 | Pass |
|       |       |    | 39 | 26.62 | -0.57 | 23.90 | <=34.77 | Pass |
|       |       | 75 | 0  | 26.66 | -0.57 | 23.94 | <=34.77 | Pass |
|       | 690.5 | 1  | 0  | 27.97 | -0.57 | 25.25 | <=34.77 | Pass |
|       |       |    | 38 | 28.13 | -0.57 | 25.41 | <=34.77 | Pass |
|       |       |    | 74 | 28.04 | -0.57 | 25.32 | <=34.77 | Pass |
|       |       | 36 | 0  | 26.54 | -0.57 | 23.82 | <=34.77 | Pass |
|       |       |    | 18 | 26.59 | -0.57 | 23.87 | <=34.77 | Pass |
|       |       |    | 39 | 26.60 | -0.57 | 23.88 | <=34.77 | Pass |
|       |       | 75 | 0  | 26.57 | -0.57 | 23.85 | <=34.77 | Pass |

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      | 28.79                 | -0.57      | 26.07     | <=34.77 | Pass    |
|                                    |                 |               | 50     | 28.72                 | -0.57      | 26.00     | <=34.77 | Pass    |
|                                    |                 |               | 99     | 28.33                 | -0.57      | 25.61     | <=34.77 | Pass    |
|                                    |                 | 50            | 0      | 27.41                 | -0.57      | 24.69     | <=34.77 | Pass    |
|                                    |                 |               | 25     | 27.52                 | -0.57      | 24.80     | <=34.77 | Pass    |
|                                    |                 |               | 50     | 27.32                 | -0.57      | 24.60     | <=34.77 | Pass    |
|                                    |                 | 100           | 0      | 27.34                 | -0.57      | 24.62     | <=34.77 | Pass    |
|                                    | 683             | 1             | 0      | 28.21                 | -0.57      | 25.49     | <=34.77 | Pass    |
|                                    |                 |               | 50     | 28.65                 | -0.57      | 25.93     | <=34.77 | Pass    |
|                                    |                 |               | 99     | 28.32                 | -0.57      | 25.60     | <=34.77 | Pass    |
|                                    |                 | 50            | 0      | 27.78                 | -0.57      | 25.06     | <=34.77 | Pass    |
|                                    |                 |               | 25     | 27.63                 | -0.57      | 24.91     | <=34.77 | Pass    |
|                                    |                 |               | 50     | 27.68                 | -0.57      | 24.96     | <=34.77 | Pass    |
|                                    |                 | 100           | 0      | 27.74                 | -0.57      | 25.02     | <=34.77 | Pass    |

|                                              |       |       |     |       |       |       |         |         |         |      |
|----------------------------------------------|-------|-------|-----|-------|-------|-------|---------|---------|---------|------|
|                                              | 688   | 1     | 0   | 28.20 | -0.57 | 25.48 | <=34.77 | Pass    |         |      |
|                                              |       |       | 50  | 28.69 | -0.57 | 25.97 | <=34.77 | Pass    |         |      |
|                                              |       |       | 99  | 28.32 | -0.57 | 25.60 | <=34.77 | Pass    |         |      |
|                                              |       | 50    | 0   | 27.57 | -0.57 | 24.85 | <=34.77 | Pass    |         |      |
|                                              |       |       | 25  | 27.59 | -0.57 | 24.87 | <=34.77 | Pass    |         |      |
|                                              |       |       | 50  | 27.59 | -0.57 | 24.87 | <=34.77 | Pass    |         |      |
|                                              |       | 100   | 0   | 27.57 | -0.57 | 24.85 | <=34.77 | Pass    |         |      |
|                                              |       | 16QAM | 673 | 1     | 0     | 27.53 | -0.57   | 24.81   | <=34.77 | Pass |
|                                              |       |       |     |       | 50    | 28.01 | -0.57   | 25.29   | <=34.77 | Pass |
| 99                                           | 27.64 |       |     |       | -0.57 | 24.92 | <=34.77 | Pass    |         |      |
| 50                                           | 0     |       |     | 26.34 | -0.57 | 23.62 | <=34.77 | Pass    |         |      |
|                                              | 25    |       |     | 26.49 | -0.57 | 23.77 | <=34.77 | Pass    |         |      |
|                                              | 50    |       |     | 26.30 | -0.57 | 23.58 | <=34.77 | Pass    |         |      |
| 100                                          | 0     |       |     | 26.35 | -0.57 | 23.63 | <=34.77 | Pass    |         |      |
| 683                                          | 1     |       |     | 0     | 27.78 | -0.57 | 25.06   | <=34.77 | Pass    |      |
|                                              |       |       |     | 50    | 28.23 | -0.57 | 25.51   | <=34.77 | Pass    |      |
|                                              |       |       | 99  | 27.90 | -0.57 | 25.18 | <=34.77 | Pass    |         |      |
|                                              | 50    |       | 0   | 26.74 | -0.57 | 24.02 | <=34.77 | Pass    |         |      |
|                                              |       |       | 25  | 26.62 | -0.57 | 23.90 | <=34.77 | Pass    |         |      |
|                                              |       |       | 50  | 26.68 | -0.57 | 23.96 | <=34.77 | Pass    |         |      |
|                                              | 100   |       | 0   | 26.71 | -0.57 | 23.99 | <=34.77 | Pass    |         |      |
|                                              | 688   |       | 1   | 0     | 27.43 | -0.57 | 24.71   | <=34.77 | Pass    |      |
|                                              |       |       |     | 50    | 27.90 | -0.57 | 25.18   | <=34.77 | Pass    |      |
| 99                                           |       |       |     | 27.54 | -0.57 | 24.82 | <=34.77 | Pass    |         |      |
| 50                                           |       |       | 0   | 26.53 | -0.57 | 23.81 | <=34.77 | Pass    |         |      |
|                                              |       |       | 25  | 26.57 | -0.57 | 23.85 | <=34.77 | Pass    |         |      |
|                                              |       |       | 50  | 26.54 | -0.57 | 23.82 | <=34.77 | Pass    |         |      |
| 100                                          |       |       | 0   | 26.56 | -0.57 | 23.84 | <=34.77 | Pass    |         |      |
| Note1: ERP=Conducted Power+Antenna Gain-2.15 |       |       |     |       |       |       |         |         |         |      |

## 2. Frequency Stability

### 2.1 Test Result

#### 2.1.1 B71\_5MHz

| Band: 71 / Bandwidth: 5MHz |                 |               |         |            |               |                  |                       |             |         |
|----------------------------|-----------------|---------------|---------|------------|---------------|------------------|-----------------------|-------------|---------|
| Modulation                 | Frequency (MHz) | RB Allocation |         | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) |             | Verdict |
|                            |                 | Size          | Offset  |            |               |                  | Result                | Limit       |         |
| QPSK                       | 665.5           | 25            | 0       | 20         | 3.27          | -7.896           | -0.0119               | -2.5 to 2.5 | Pass    |
|                            |                 |               |         |            | 3.85          | -3.848           | -0.0058               | -2.5 to 2.5 | Pass    |
|                            |                 |               |         |            | 4.43          | -5.851           | -0.0088               | -2.5 to 2.5 | Pass    |
|                            |                 |               |         | -30        | 3.85          | -7.482           | -0.0112               | -2.5 to 2.5 | Pass    |
|                            |                 |               |         | -20        | 3.85          | -6.881           | -0.0103               | -2.5 to 2.5 | Pass    |
|                            |                 |               |         | -10        | 3.85          | -3.476           | -0.0052               | -2.5 to 2.5 | Pass    |
|                            |                 |               |         | 0          | 3.85          | -7.167           | -0.0108               | -2.5 to 2.5 | Pass    |
|                            |                 |               |         | 10         | 3.85          | -6.151           | -0.0092               | -2.5 to 2.5 | Pass    |
|                            |                 |               |         | 30         | 3.85          | -9.441           | -0.0142               | -2.5 to 2.5 | Pass    |
|                            |                 |               |         | 40         | 3.85          | -5.379           | -0.0081               | -2.5 to 2.5 | Pass    |
|                            |                 |               |         | 50         | 3.85          | -8.740           | -0.0131               | -2.5 to 2.5 | Pass    |
|                            |                 |               |         | 680.5      | 25            | 0                | 20                    | 3.27        | -8.998  |
|                            | 3.85            | -5.836        | -0.0086 |            |               |                  |                       | -2.5 to 2.5 | Pass    |
|                            | 4.43            | -4.592        | -0.0067 |            |               |                  |                       | -2.5 to 2.5 | Pass    |
|                            | -30             | 3.85          | -3.505  |            |               |                  | -0.0052               | -2.5 to 2.5 | Pass    |
|                            | -20             | 3.85          | -5.779  |            |               |                  | -0.0085               | -2.5 to 2.5 | Pass    |
|                            | -10             | 3.85          | -4.950  |            |               |                  | -0.0073               | -2.5 to 2.5 | Pass    |

|       |       |    |   |     |      |         |         |             |      |
|-------|-------|----|---|-----|------|---------|---------|-------------|------|
|       |       |    |   | 0   | 3.85 | -11.730 | -0.0172 | -2.5 to 2.5 | Pass |
|       |       |    |   | 10  | 3.85 | -9.427  | -0.0139 | -2.5 to 2.5 | Pass |
|       |       |    |   | 30  | 3.85 | -11.702 | -0.0172 | -2.5 to 2.5 | Pass |
|       |       |    |   | 40  | 3.85 | -12.932 | -0.0190 | -2.5 to 2.5 | Pass |
|       |       |    |   | 50  | 3.85 | -10.557 | -0.0155 | -2.5 to 2.5 | Pass |
|       | 695.5 | 25 | 0 | 20  | 3.27 | -5.522  | -0.0079 | -2.5 to 2.5 | Pass |
|       |       |    |   |     | 3.85 | -7.124  | -0.0102 | -2.5 to 2.5 | Pass |
|       |       |    |   |     | 4.43 | -9.713  | -0.0140 | -2.5 to 2.5 | Pass |
|       |       |    |   | -30 | 3.85 | -7.381  | -0.0106 | -2.5 to 2.5 | Pass |
|       |       |    |   | -20 | 3.85 | -3.691  | -0.0053 | -2.5 to 2.5 | Pass |
|       |       |    |   | -10 | 3.85 | -6.652  | -0.0096 | -2.5 to 2.5 | Pass |
|       |       |    |   | 0   | 3.85 | -9.098  | -0.0131 | -2.5 to 2.5 | Pass |
|       |       |    |   | 10  | 3.85 | -9.913  | -0.0143 | -2.5 to 2.5 | Pass |
|       |       |    |   | 30  | 3.85 | -6.652  | -0.0096 | -2.5 to 2.5 | Pass |
|       |       |    |   | 40  | 3.85 | -5.994  | -0.0086 | -2.5 to 2.5 | Pass |
|       |       |    |   | 50  | 3.85 | -6.952  | -0.0100 | -2.5 to 2.5 | Pass |
| 16QAM | 665.5 | 25 | 0 | 20  | 3.27 | -4.392  | -0.0066 | -2.5 to 2.5 | Pass |
|       |       |    |   |     | 3.85 | -2.532  | -0.0038 | -2.5 to 2.5 | Pass |
|       |       |    |   |     | 4.43 | -9.112  | -0.0137 | -2.5 to 2.5 | Pass |
|       |       |    |   | -30 | 3.85 | -14.620 | -0.0220 | -2.5 to 2.5 | Pass |
|       |       |    |   | -20 | 3.85 | -9.027  | -0.0136 | -2.5 to 2.5 | Pass |
|       |       |    |   | -10 | 3.85 | -7.052  | -0.0106 | -2.5 to 2.5 | Pass |
|       |       |    |   | 0   | 3.85 | -5.751  | -0.0086 | -2.5 to 2.5 | Pass |
|       |       |    |   | 10  | 3.85 | -9.913  | -0.0149 | -2.5 to 2.5 | Pass |
|       |       |    |   | 30  | 3.85 | -9.241  | -0.0139 | -2.5 to 2.5 | Pass |
|       |       |    |   | 40  | 3.85 | -10.500 | -0.0158 | -2.5 to 2.5 | Pass |
|       |       |    |   | 50  | 3.85 | -11.415 | -0.0172 | -2.5 to 2.5 | Pass |
|       | 680.5 | 25 | 0 | 20  | 3.27 | -6.952  | -0.0102 | -2.5 to 2.5 | Pass |
|       |       |    |   |     | 3.85 | -7.639  | -0.0112 | -2.5 to 2.5 | Pass |
|       |       |    |   |     | 4.43 | -9.999  | -0.0147 | -2.5 to 2.5 | Pass |
|       |       |    |   | -30 | 3.85 | -8.826  | -0.0130 | -2.5 to 2.5 | Pass |
|       |       |    |   | -20 | 3.85 | -6.394  | -0.0094 | -2.5 to 2.5 | Pass |
|       |       |    |   | -10 | 3.85 | -9.127  | -0.0134 | -2.5 to 2.5 | Pass |
|       |       |    |   | 0   | 3.85 | -5.779  | -0.0085 | -2.5 to 2.5 | Pass |
|       |       |    |   | 10  | 3.85 | -7.768  | -0.0114 | -2.5 to 2.5 | Pass |
|       |       |    |   | 30  | 3.85 | -10.829 | -0.0159 | -2.5 to 2.5 | Pass |
|       |       |    |   | 40  | 3.85 | -6.495  | -0.0095 | -2.5 to 2.5 | Pass |
|       |       |    |   | 50  | 3.85 | -8.039  | -0.0118 | -2.5 to 2.5 | Pass |
|       | 695.5 | 25 | 0 | 20  | 3.27 | -5.279  | -0.0076 | -2.5 to 2.5 | Pass |
|       |       |    |   |     | 3.85 | -4.950  | -0.0071 | -2.5 to 2.5 | Pass |
|       |       |    |   |     | 4.43 | -3.762  | -0.0054 | -2.5 to 2.5 | Pass |
|       |       |    |   | -30 | 3.85 | -7.238  | -0.0104 | -2.5 to 2.5 | Pass |
|       |       |    |   | -20 | 3.85 | -5.965  | -0.0086 | -2.5 to 2.5 | Pass |
|       |       |    |   | -10 | 3.85 | -6.480  | -0.0093 | -2.5 to 2.5 | Pass |
|       |       |    |   | 0   | 3.85 | -7.138  | -0.0103 | -2.5 to 2.5 | Pass |
|       |       |    |   | 10  | 3.85 | -13.561 | -0.0195 | -2.5 to 2.5 | Pass |
|       |       |    |   | 30  | 3.85 | -5.336  | -0.0077 | -2.5 to 2.5 | Pass |
|       |       |    |   | 40  | 3.85 | -4.249  | -0.0061 | -2.5 to 2.5 | Pass |
|       |       |    |   | 50  | 3.85 | -4.835  | -0.0070 | -2.5 to 2.5 | Pass |

## 2.1.2 B71\_10MHz

| Band: 71 / Bandwidth: 10MHz |                 |               |        |            |               |                  |                       |             |         |
|-----------------------------|-----------------|---------------|--------|------------|---------------|------------------|-----------------------|-------------|---------|
| Modulation                  | Frequency (MHz) | RB Allocation |        | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) |             | Verdict |
|                             |                 | Size          | Offset |            |               |                  | Result                | Limit       |         |
| QPSK                        | 668             | 50            | 0      | 20         | 3.27          | -10.114          | -0.0151               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 3.85          | -7.210           | -0.0108               | -2.5 to 2.5 | Pass    |

|       |       |      |         |         |             |         |         |             |             |      |
|-------|-------|------|---------|---------|-------------|---------|---------|-------------|-------------|------|
|       |       |      |         |         | 4.43        | -9.241  | -0.0138 | -2.5 to 2.5 | Pass        |      |
|       |       |      |         | -30     | 3.85        | -5.980  | -0.0090 | -2.5 to 2.5 | Pass        |      |
|       |       |      |         | -20     | 3.85        | -5.608  | -0.0084 | -2.5 to 2.5 | Pass        |      |
|       |       |      |         | -10     | 3.85        | -8.669  | -0.0130 | -2.5 to 2.5 | Pass        |      |
|       |       |      |         | 0       | 3.85        | -6.752  | -0.0101 | -2.5 to 2.5 | Pass        |      |
|       |       |      |         | 10      | 3.85        | -4.292  | -0.0064 | -2.5 to 2.5 | Pass        |      |
|       |       |      |         | 30      | 3.85        | -10.600 | -0.0159 | -2.5 to 2.5 | Pass        |      |
|       |       |      |         | 40      | 3.85        | -6.309  | -0.0094 | -2.5 to 2.5 | Pass        |      |
|       |       |      |         | 50      | 3.85        | -4.992  | -0.0075 | -2.5 to 2.5 | Pass        |      |
|       | 680.5 | 50   | 0       | 20      | 3.27        | -6.595  | -0.0097 | -2.5 to 2.5 | Pass        |      |
|       |       |      |         |         | 3.85        | -6.495  | -0.0095 | -2.5 to 2.5 | Pass        |      |
|       |       |      |         |         | 4.43        | -3.576  | -0.0053 | -2.5 to 2.5 | Pass        |      |
|       |       |      |         | -30     | 3.85        | -6.480  | -0.0095 | -2.5 to 2.5 | Pass        |      |
|       |       |      |         | -20     | 3.85        | -10.428 | -0.0153 | -2.5 to 2.5 | Pass        |      |
|       |       |      |         | -10     | 3.85        | -4.120  | -0.0061 | -2.5 to 2.5 | Pass        |      |
|       |       |      |         | 0       | 3.85        | -3.419  | -0.0050 | -2.5 to 2.5 | Pass        |      |
|       |       |      |         | 10      | 3.85        | -7.038  | -0.0103 | -2.5 to 2.5 | Pass        |      |
|       |       |      |         | 30      | 3.85        | -8.683  | -0.0128 | -2.5 to 2.5 | Pass        |      |
|       | 40    | 3.85 | -3.247  | -0.0048 | -2.5 to 2.5 | Pass    |         |             |             |      |
|       | 50    | 3.85 | -6.595  | -0.0097 | -2.5 to 2.5 | Pass    |         |             |             |      |
|       | 693   | 50   | 0       | 20      | 3.27        | -10.529 | -0.0152 | -2.5 to 2.5 | Pass        |      |
|       |       |      |         |         | 3.85        | -6.652  | -0.0096 | -2.5 to 2.5 | Pass        |      |
|       |       |      |         |         | 4.43        | -7.482  | -0.0108 | -2.5 to 2.5 | Pass        |      |
|       |       |      |         | -30     | 3.85        | -4.892  | -0.0071 | -2.5 to 2.5 | Pass        |      |
|       |       |      |         | -20     | 3.85        | -8.125  | -0.0117 | -2.5 to 2.5 | Pass        |      |
|       |       |      |         | -10     | 3.85        | -5.479  | -0.0079 | -2.5 to 2.5 | Pass        |      |
|       |       |      |         | 0       | 3.85        | -6.208  | -0.0090 | -2.5 to 2.5 | Pass        |      |
|       |       |      |         | 10      | 3.85        | -2.546  | -0.0037 | -2.5 to 2.5 | Pass        |      |
|       |       |      |         | 30      | 3.85        | -9.441  | -0.0136 | -2.5 to 2.5 | Pass        |      |
|       | 40    | 3.85 | -10.185 | -0.0147 | -2.5 to 2.5 | Pass    |         |             |             |      |
|       | 50    | 3.85 | -6.080  | -0.0088 | -2.5 to 2.5 | Pass    |         |             |             |      |
|       | 16QAM | 668  | 50      | 0       | 20          | 3.27    | -11.158 | -0.0167     | -2.5 to 2.5 | Pass |
|       |       |      |         |         |             | 3.85    | -5.922  | -0.0089     | -2.5 to 2.5 | Pass |
| 4.43  |       |      |         |         |             | -7.925  | -0.0119 | -2.5 to 2.5 | Pass        |      |
| -30   |       |      |         |         | 3.85        | -12.345 | -0.0185 | -2.5 to 2.5 | Pass        |      |
| -20   |       |      |         |         | 3.85        | -8.769  | -0.0131 | -2.5 to 2.5 | Pass        |      |
| -10   |       |      |         |         | 3.85        | -7.267  | -0.0109 | -2.5 to 2.5 | Pass        |      |
| 0     |       |      |         |         | 3.85        | -2.532  | -0.0038 | -2.5 to 2.5 | Pass        |      |
| 10    |       |      |         |         | 3.85        | -3.490  | -0.0052 | -2.5 to 2.5 | Pass        |      |
| 30    |       |      |         |         | 3.85        | -3.920  | -0.0059 | -2.5 to 2.5 | Pass        |      |
| 40    |       |      |         |         | 3.85        | -3.376  | -0.0051 | -2.5 to 2.5 | Pass        |      |
| 50    |       |      |         |         | 3.85        | -2.503  | -0.0037 | -2.5 to 2.5 | Pass        |      |
| 680.5 |       | 50   | 0       | 20      | 3.27        | -8.998  | -0.0132 | -2.5 to 2.5 | Pass        |      |
|       |       |      |         |         | 3.85        | -5.636  | -0.0083 | -2.5 to 2.5 | Pass        |      |
|       |       |      |         |         | 4.43        | -9.885  | -0.0145 | -2.5 to 2.5 | Pass        |      |
|       |       |      |         | -30     | 3.85        | -2.890  | -0.0042 | -2.5 to 2.5 | Pass        |      |
|       |       |      |         | -20     | 3.85        | -7.696  | -0.0113 | -2.5 to 2.5 | Pass        |      |
|       |       |      |         | -10     | 3.85        | -6.852  | -0.0101 | -2.5 to 2.5 | Pass        |      |
|       |       |      |         | 0       | 3.85        | -8.984  | -0.0132 | -2.5 to 2.5 | Pass        |      |
|       |       |      |         | 10      | 3.85        | -10.285 | -0.0151 | -2.5 to 2.5 | Pass        |      |
|       |       |      |         | 30      | 3.85        | -7.081  | -0.0104 | -2.5 to 2.5 | Pass        |      |
|       |       |      |         | 40      | 3.85        | -1.817  | -0.0027 | -2.5 to 2.5 | Pass        |      |
|       |       |      |         | 50      | 3.85        | -1.545  | -0.0023 | -2.5 to 2.5 | Pass        |      |
| 693   |       | 50   | 0       | 20      | 3.27        | -6.008  | -0.0087 | -2.5 to 2.5 | Pass        |      |
|       |       |      |         |         | 3.85        | -4.807  | -0.0069 | -2.5 to 2.5 | Pass        |      |
|       |       |      |         |         | 4.43        | -7.324  | -0.0106 | -2.5 to 2.5 | Pass        |      |
|       |       |      |         | -30     | 3.85        | -7.567  | -0.0109 | -2.5 to 2.5 | Pass        |      |
|       |       |      |         | -20     | 3.85        | -3.777  | -0.0055 | -2.5 to 2.5 | Pass        |      |
|       |       |      |         | -10     | 3.85        | -6.652  | -0.0096 | -2.5 to 2.5 | Pass        |      |

|  |  |  |  |    |      |         |         |             |      |
|--|--|--|--|----|------|---------|---------|-------------|------|
|  |  |  |  | 0  | 3.85 | -6.380  | -0.0092 | -2.5 to 2.5 | Pass |
|  |  |  |  | 10 | 3.85 | -9.384  | -0.0135 | -2.5 to 2.5 | Pass |
|  |  |  |  | 30 | 3.85 | -7.610  | -0.0110 | -2.5 to 2.5 | Pass |
|  |  |  |  | 40 | 3.85 | -12.646 | -0.0182 | -2.5 to 2.5 | Pass |
|  |  |  |  | 50 | 3.85 | -5.708  | -0.0082 | -2.5 to 2.5 | Pass |

### 2.1.3 B71\_15MHz

| Band: 71 / Bandwidth: 15MHz |                 |               |        |            |               |                  |                       |             |         |
|-----------------------------|-----------------|---------------|--------|------------|---------------|------------------|-----------------------|-------------|---------|
| Modulation                  | Frequency (MHz) | RB Allocation |        | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) |             | Verdict |
|                             |                 | Size          | Offset |            |               |                  | Result                | Limit       |         |
| QPSK                        | 670.5           | 75            | 0      | 20         | 3.27          | -5.894           | -0.0088               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 3.85          | -6.695           | -0.0100               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 4.43          | -3.448           | -0.0051               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -30        | 3.85          | -6.809           | -0.0102               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -20        | 3.85          | -6.866           | -0.0102               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -10        | 3.85          | -4.892           | -0.0073               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 0          | 3.85          | -4.163           | -0.0062               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 10         | 3.85          | -9.413           | -0.0140               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 30         | 3.85          | -10.571          | -0.0158               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 40         | 3.85          | -6.595           | -0.0098               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 50         | 3.85          | -5.879           | -0.0088               | -2.5 to 2.5 | Pass    |
|                             | 680.5           | 75            | 0      | 20         | 3.27          | -5.407           | -0.0079               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 3.85          | -6.523           | -0.0096               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 4.43          | -6.537           | -0.0096               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -30        | 3.85          | -6.452           | -0.0095               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -20        | 3.85          | -7.124           | -0.0105               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -10        | 3.85          | -7.939           | -0.0117               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 0          | 3.85          | -9.770           | -0.0144               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 10         | 3.85          | -6.995           | -0.0103               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 30         | 3.85          | -6.008           | -0.0088               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 40         | 3.85          | -7.324           | -0.0108               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 50         | 3.85          | -7.324           | -0.0108               | -2.5 to 2.5 | Pass    |
|                             | 690.5           | 75            | 0      | 20         | 3.27          | -5.994           | -0.0087               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 3.85          | -5.665           | -0.0082               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 4.43          | -5.035           | -0.0073               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -30        | 3.85          | -8.154           | -0.0118               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -20        | 3.85          | -1.373           | -0.0020               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -10        | 3.85          | -6.166           | -0.0089               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 0          | 3.85          | -6.523           | -0.0094               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 10         | 3.85          | -8.111           | -0.0117               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 30         | 3.85          | -8.554           | -0.0124               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 40         | 3.85          | -9.441           | -0.0137               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 50         | 3.85          | -7.238           | -0.0105               | -2.5 to 2.5 | Pass    |
| 16QAM                       | 670.5           | 75            | 0      | 20         | 3.27          | -6.423           | -0.0096               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 3.85          | -8.111           | -0.0121               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 4.43          | -6.995           | -0.0104               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -30        | 3.85          | -11.129          | -0.0166               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -20        | 3.85          | -6.709           | -0.0100               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -10        | 3.85          | -12.231          | -0.0182               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 0          | 3.85          | -11.787          | -0.0176               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 10         | 3.85          | -10.471          | -0.0156               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 30         | 3.85          | -10.185          | -0.0152               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 40         | 3.85          | -9.513           | -0.0142               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 50         | 3.85          | -5.493           | -0.0082               | -2.5 to 2.5 | Pass    |
|                             | 680.5           | 75            | 0      | 20         | 3.27          | -5.751           | -0.0085               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 3.85          | -4.792           | -0.0070               | -2.5 to 2.5 | Pass    |

|  |       |    |   |     |      |         |         |             |      |
|--|-------|----|---|-----|------|---------|---------|-------------|------|
|  |       |    |   |     | 4.43 | -7.954  | -0.0117 | -2.5 to 2.5 | Pass |
|  |       |    |   | -30 | 3.85 | -7.596  | -0.0112 | -2.5 to 2.5 | Pass |
|  |       |    |   | -20 | 3.85 | -5.364  | -0.0079 | -2.5 to 2.5 | Pass |
|  |       |    |   | -10 | 3.85 | -7.639  | -0.0112 | -2.5 to 2.5 | Pass |
|  |       |    |   | 0   | 3.85 | -8.655  | -0.0127 | -2.5 to 2.5 | Pass |
|  |       |    |   | 10  | 3.85 | -10.428 | -0.0153 | -2.5 to 2.5 | Pass |
|  |       |    |   | 30  | 3.85 | -9.770  | -0.0144 | -2.5 to 2.5 | Pass |
|  |       |    |   | 40  | 3.85 | -8.526  | -0.0125 | -2.5 to 2.5 | Pass |
|  |       |    |   | 50  | 3.85 | -9.227  | -0.0136 | -2.5 to 2.5 | Pass |
|  | 690.5 | 75 | 0 | 20  | 3.27 | -7.439  | -0.0108 | -2.5 to 2.5 | Pass |
|  |       |    |   |     | 3.85 | -9.270  | -0.0134 | -2.5 to 2.5 | Pass |
|  |       |    |   |     | 4.43 | -7.997  | -0.0116 | -2.5 to 2.5 | Pass |
|  |       |    |   | -30 | 3.85 | -8.197  | -0.0119 | -2.5 to 2.5 | Pass |
|  |       |    |   | -20 | 3.85 | -7.038  | -0.0102 | -2.5 to 2.5 | Pass |
|  |       |    |   | -10 | 3.85 | -10.443 | -0.0151 | -2.5 to 2.5 | Pass |
|  |       |    |   | 0   | 3.85 | -9.942  | -0.0144 | -2.5 to 2.5 | Pass |
|  |       |    |   | 10  | 3.85 | -9.270  | -0.0134 | -2.5 to 2.5 | Pass |
|  |       |    |   | 30  | 3.85 | -6.552  | -0.0095 | -2.5 to 2.5 | Pass |
|  |       |    |   | 40  | 3.85 | -6.595  | -0.0096 | -2.5 to 2.5 | Pass |
|  |       |    |   | 50  | 3.85 | -8.125  | -0.0118 | -2.5 to 2.5 | Pass |

## 2.1.4 B71\_20MHz

| Band: 71 / Bandwidth: 20MHz |                 |               |        |            |               |                  |                       |             |         |
|-----------------------------|-----------------|---------------|--------|------------|---------------|------------------|-----------------------|-------------|---------|
| Modulation                  | Frequency (MHz) | RB Allocation |        | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) |             | Verdict |
|                             |                 | Size          | Offset |            |               |                  | Result                | Limit       |         |
| QPSK                        | 673             | 100           | 0      | 20         | 3.27          | -6.537           | -0.0097               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 3.85          | -7.081           | -0.0105               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 4.43          | -5.279           | -0.0078               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -30        | 3.85          | -7.510           | -0.0112               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -20        | 3.85          | -4.563           | -0.0068               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -10        | 3.85          | -8.068           | -0.0120               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 0          | 3.85          | -6.552           | -0.0097               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 10         | 3.85          | -8.483           | -0.0126               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 30         | 3.85          | -9.542           | -0.0142               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 40         | 3.85          | -8.025           | -0.0119               | -2.5 to 2.5 | Pass    |
|                             | 683             | 100           | 0      | 50         | 3.85          | -9.212           | -0.0137               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 20         | 3.27          | -6.337           | -0.0093               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 3.85          | -3.147           | -0.0046               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 4.43          | -5.994           | -0.0088               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -30        | 3.85          | -3.219           | -0.0047               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -20        | 3.85          | -8.626           | -0.0126               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -10        | 3.85          | -5.050           | -0.0074               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 0          | 3.85          | -4.263           | -0.0062               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 10         | 3.85          | -5.965           | -0.0087               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 30         | 3.85          | -2.003           | -0.0029               | -2.5 to 2.5 | Pass    |
|                             | 688             | 100           | 0      | 40         | 3.85          | -12.002          | -0.0176               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 50         | 3.85          | -5.736           | -0.0084               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 20         | 3.27          | -4.435           | -0.0064               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 3.85          | -9.484           | -0.0138               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 4.43          | -6.566           | -0.0095               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -30        | 3.85          | -6.394           | -0.0093               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -20        | 3.85          | -10.057          | -0.0146               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -10        | 3.85          | -4.764           | -0.0069               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 0          | 3.85          | -6.466           | -0.0094               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 10         | 3.85          | -3.734           | -0.0054               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 30         | 3.85          | -6.323           | -0.0092               | -2.5 to 2.5 | Pass    |

|       |     |     |   |     |      |         |         |             |      |
|-------|-----|-----|---|-----|------|---------|---------|-------------|------|
| 16QAM | 673 | 100 | 0 | 40  | 3.85 | -6.108  | -0.0089 | -2.5 to 2.5 | Pass |
|       |     |     |   | 50  | 3.85 | -8.068  | -0.0117 | -2.5 to 2.5 | Pass |
|       |     |     |   | 20  | 3.27 | -7.195  | -0.0107 | -2.5 to 2.5 | Pass |
|       |     |     |   |     | 3.85 | -8.969  | -0.0133 | -2.5 to 2.5 | Pass |
|       |     |     |   |     | 4.43 | -8.512  | -0.0126 | -2.5 to 2.5 | Pass |
|       |     |     |   | -30 | 3.85 | -7.710  | -0.0115 | -2.5 to 2.5 | Pass |
|       |     |     |   | -20 | 3.85 | -7.224  | -0.0107 | -2.5 to 2.5 | Pass |
|       |     |     |   | -10 | 3.85 | -6.938  | -0.0103 | -2.5 to 2.5 | Pass |
|       |     |     |   | 0   | 3.85 | -7.825  | -0.0116 | -2.5 to 2.5 | Pass |
|       |     |     |   | 10  | 3.85 | -6.595  | -0.0098 | -2.5 to 2.5 | Pass |
|       | 683 | 100 | 0 | 30  | 3.85 | -5.479  | -0.0081 | -2.5 to 2.5 | Pass |
|       |     |     |   | 40  | 3.85 | -6.065  | -0.0090 | -2.5 to 2.5 | Pass |
|       |     |     |   | 50  | 3.85 | -4.849  | -0.0072 | -2.5 to 2.5 | Pass |
|       |     |     |   | 20  | 3.27 | -5.178  | -0.0076 | -2.5 to 2.5 | Pass |
|       |     |     |   |     | 3.85 | -6.881  | -0.0101 | -2.5 to 2.5 | Pass |
|       |     |     |   |     | 4.43 | -5.765  | -0.0084 | -2.5 to 2.5 | Pass |
|       |     |     |   | -30 | 3.85 | -3.891  | -0.0057 | -2.5 to 2.5 | Pass |
|       |     |     |   | -20 | 3.85 | -3.018  | -0.0044 | -2.5 to 2.5 | Pass |
|       |     |     |   | -10 | 3.85 | -5.379  | -0.0079 | -2.5 to 2.5 | Pass |
|       |     |     |   | 0   | 3.85 | -6.323  | -0.0093 | -2.5 to 2.5 | Pass |
|       | 688 | 100 | 0 | 10  | 3.85 | -3.533  | -0.0052 | -2.5 to 2.5 | Pass |
|       |     |     |   | 30  | 3.85 | -0.730  | -0.0011 | -2.5 to 2.5 | Pass |
|       |     |     |   | 40  | 3.85 | -7.496  | -0.0110 | -2.5 to 2.5 | Pass |
|       |     |     |   | 50  | 3.85 | -8.197  | -0.0120 | -2.5 to 2.5 | Pass |
|       |     |     |   | 20  | 3.27 | -6.051  | -0.0088 | -2.5 to 2.5 | Pass |
|       |     |     |   |     | 3.85 | -7.153  | -0.0104 | -2.5 to 2.5 | Pass |
|       |     |     |   |     | 4.43 | -11.072 | -0.0161 | -2.5 to 2.5 | Pass |
|       |     |     |   | -30 | 3.85 | -5.307  | -0.0077 | -2.5 to 2.5 | Pass |
|       |     |     |   | -20 | 3.85 | -7.911  | -0.0115 | -2.5 to 2.5 | Pass |
|       |     |     |   | -10 | 3.85 | -8.154  | -0.0119 | -2.5 to 2.5 | Pass |
|       |     |     |   | 0   | 3.85 | -7.696  | -0.0112 | -2.5 to 2.5 | Pass |
|       |     |     |   | 10  | 3.85 | -7.353  | -0.0107 | -2.5 to 2.5 | Pass |
|       |     |     |   | 30  | 3.85 | -7.238  | -0.0105 | -2.5 to 2.5 | Pass |
|       |     |     |   | 40  | 3.85 | -7.396  | -0.0107 | -2.5 to 2.5 | Pass |
|       |     |     |   | 50  | 3.85 | -7.868  | -0.0114 | -2.5 to 2.5 | Pass |

### 3. Modulation Characteristics

#### 3.1 Test Result

##### 3.1.1 B71\_5MHz

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

##### 3.1.2 B71\_10MHz

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

### 3.1.3 B71\_15MHz

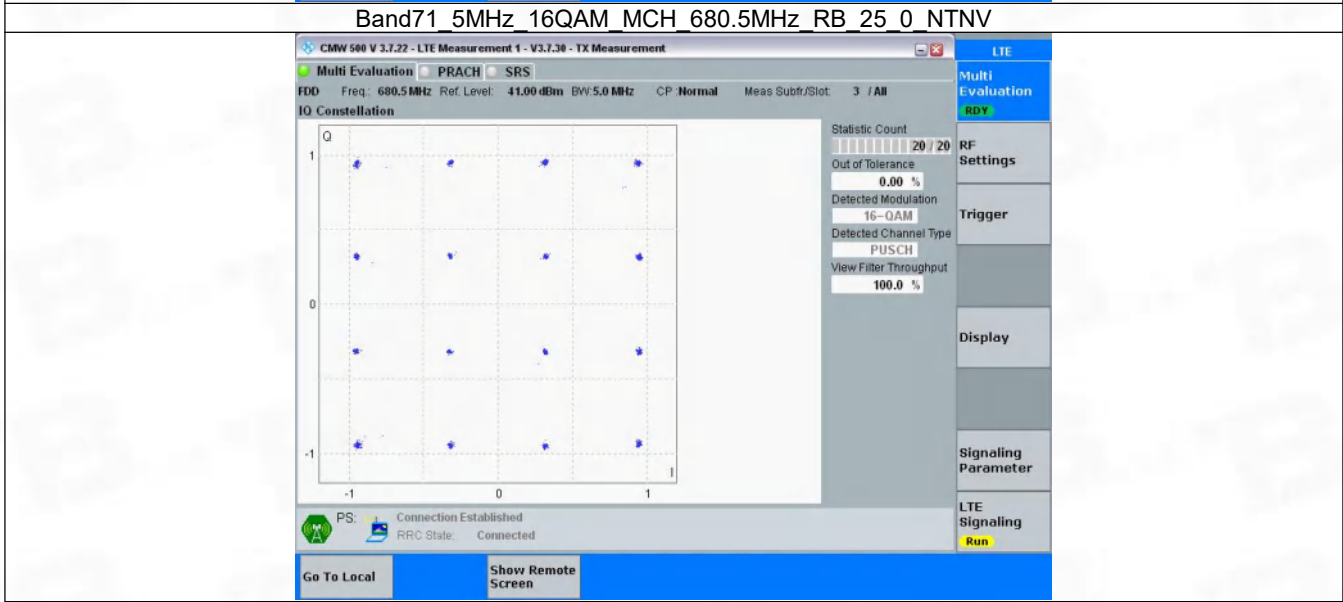
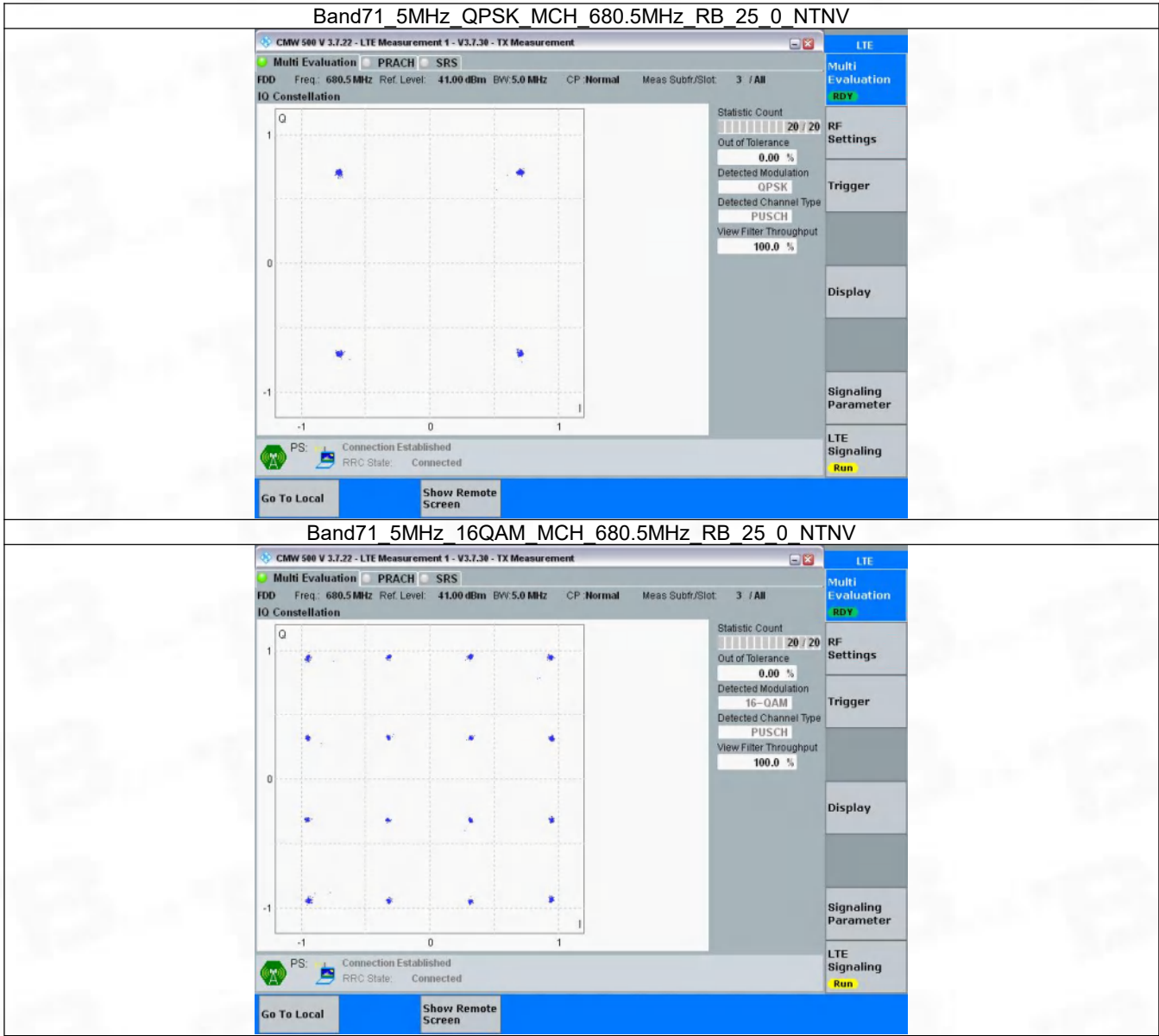
| Band: 71 / Bandwidth: 15MHz / NTV |                 |               |        |                            |       |         |
|-----------------------------------|-----------------|---------------|--------|----------------------------|-------|---------|
| Modulation                        | Frequency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

### 3.1.4 B71\_20MHz

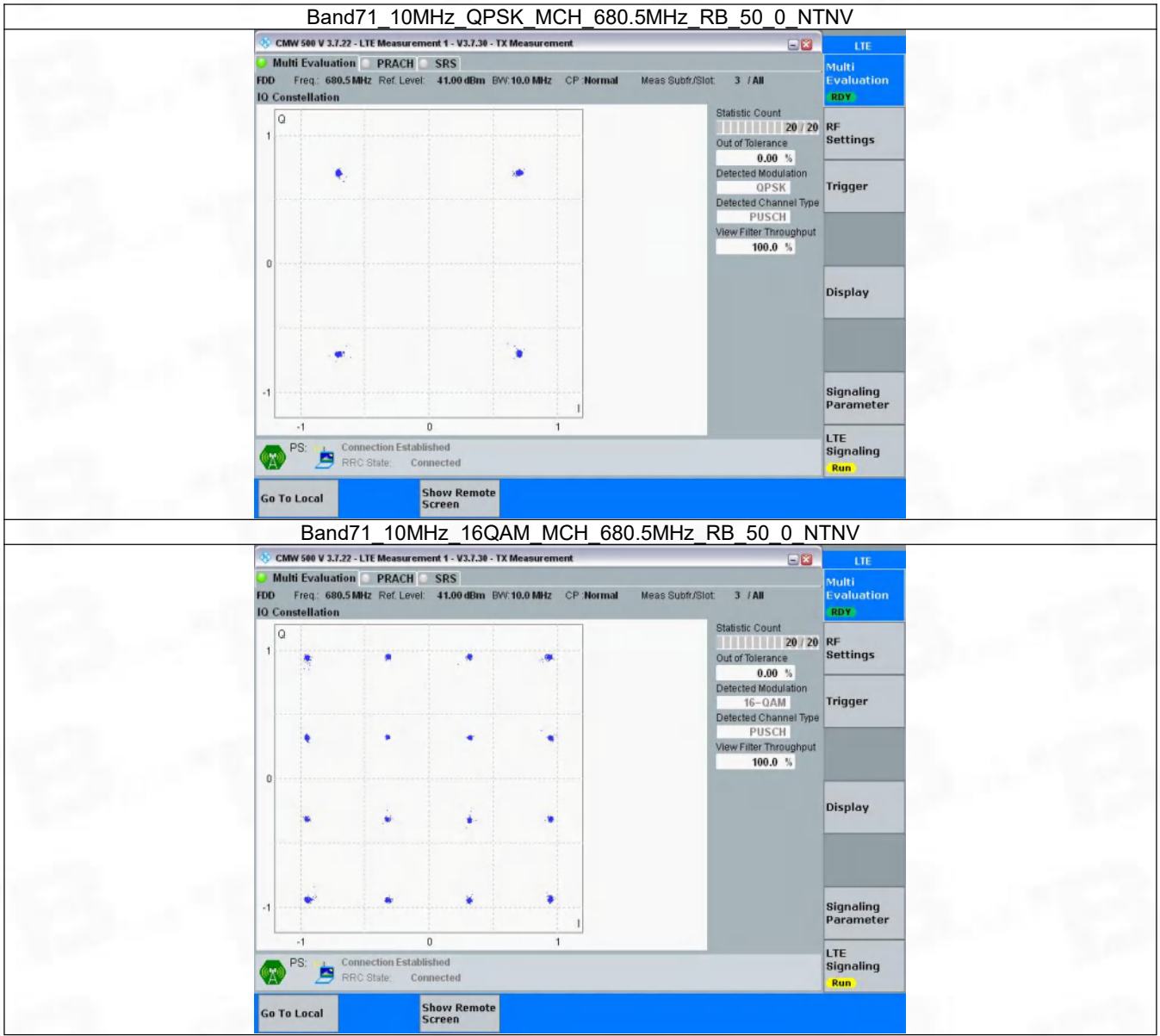
| Band: 71 / Bandwidth: 20MHz / NTVN |                 |               |        |                            |       |         |
|------------------------------------|-----------------|---------------|--------|----------------------------|-------|---------|
| Modulation                         | Frequency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

3.2 Test Graph

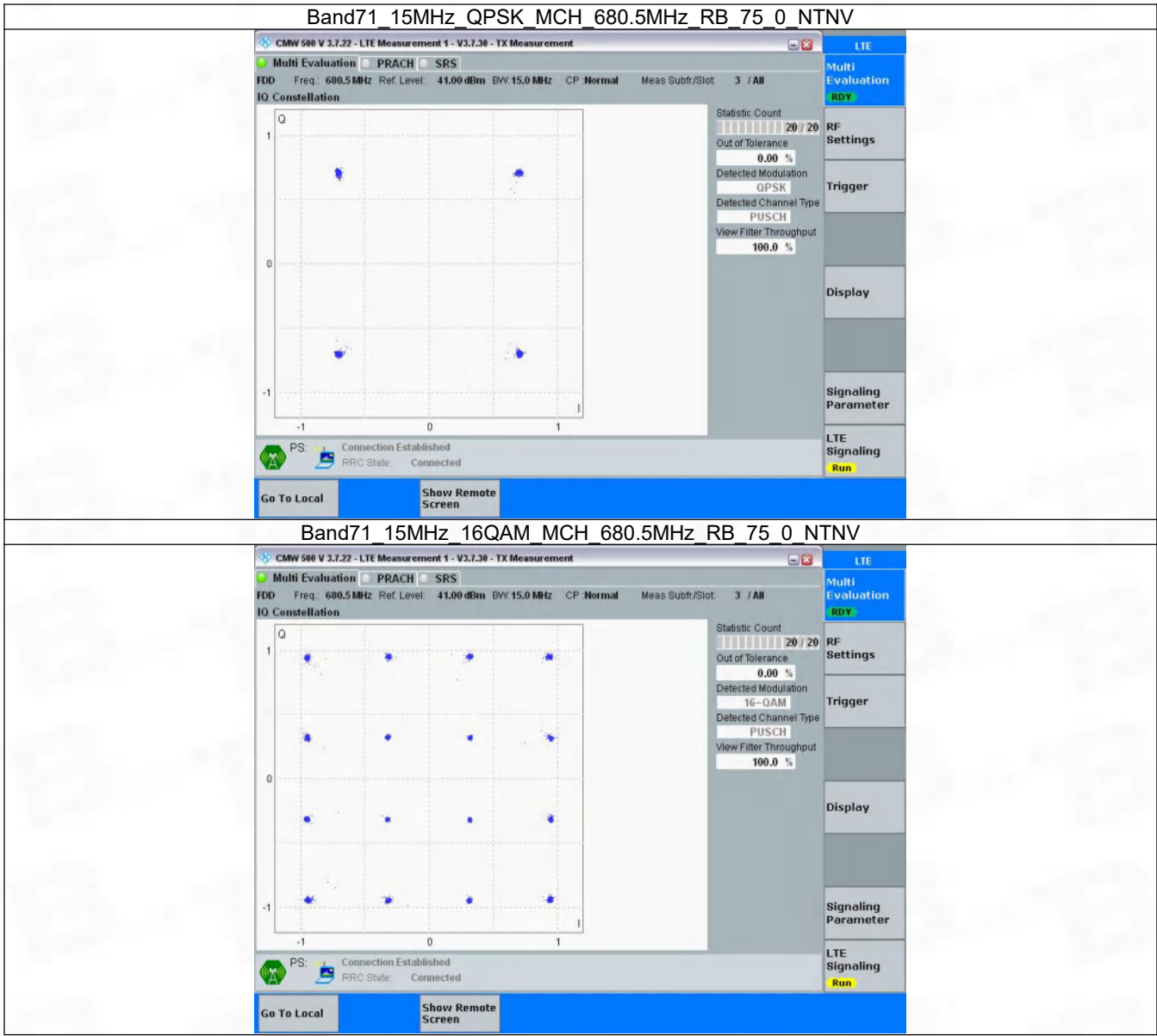
3.2.1 B71\_5MHz



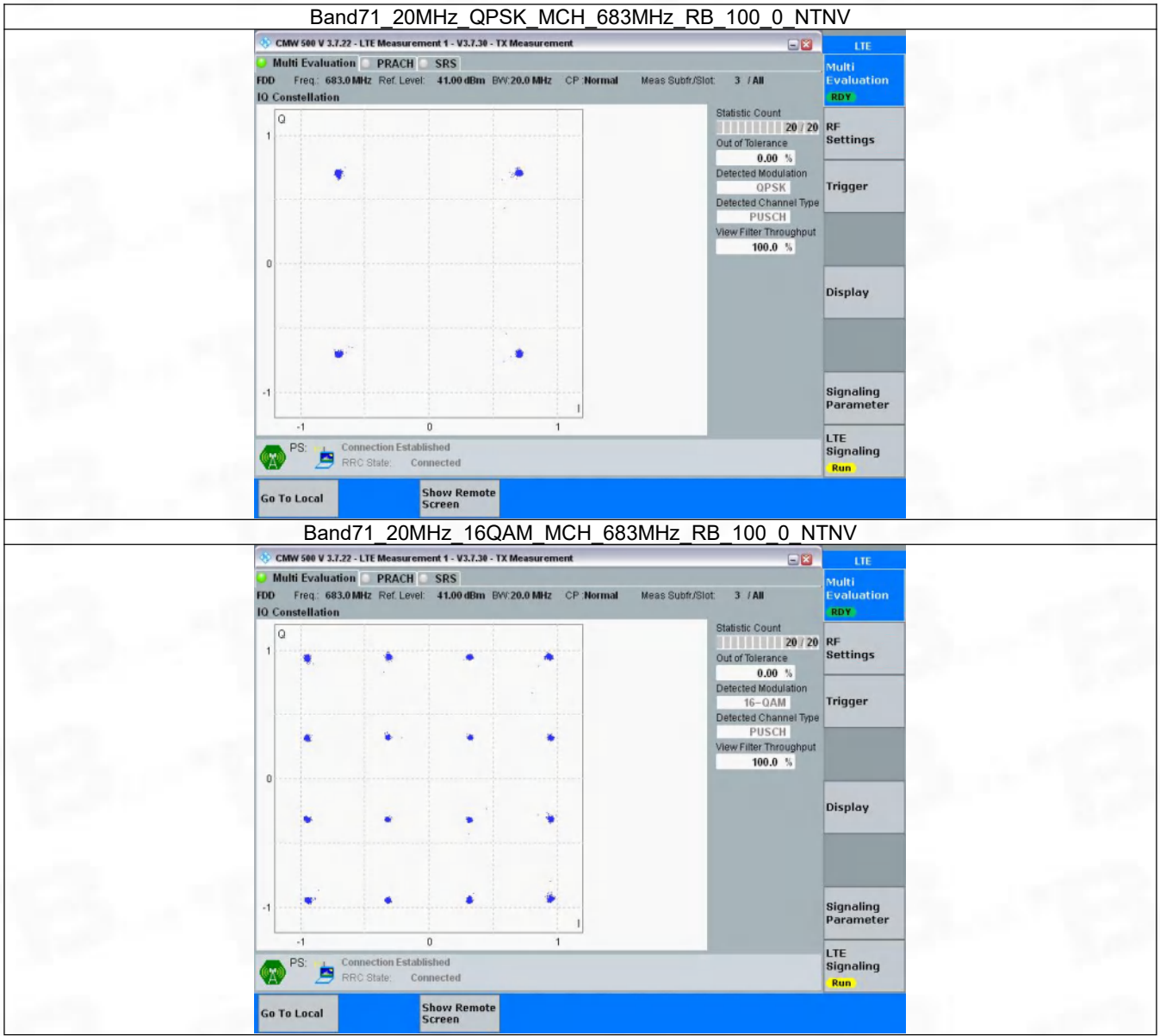
3.2.2 B71\_10MHz



3.2.3 B71\_15MHz



3.2.4 B71\_20MHz



## 4. 99% & 26dB Bandwidth

### 4.1 Test Result

#### 4.1.1 Band71\_OBW

| Band: 71 / NTNV |            |                 |               |        |                              |       |         |
|-----------------|------------|-----------------|---------------|--------|------------------------------|-------|---------|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation |        | 99% Occupied Bandwidth (MHz) |       | Verdict |
|                 |            |                 | Size          | Offset | Result                       | Limit |         |
| 5               | QPSK       | 665.5           | 25            | 0      | 4.560                        | /     | Pass    |
|                 |            | 680.5           | 25            | 0      | 4.567                        | /     | Pass    |
|                 |            | 695.5           | 25            | 0      | 4.552                        | /     | Pass    |
|                 | 16QAM      | 665.5           | 25            | 0      | 4.550                        | /     | Pass    |
|                 |            | 680.5           | 25            | 0      | 4.564                        | /     | Pass    |
|                 |            | 695.5           | 25            | 0      | 4.587                        | /     | Pass    |
| 10              | QPSK       | 668             | 50            | 0      | 9.070                        | /     | Pass    |
|                 |            | 680.5           | 50            | 0      | 9.088                        | /     | Pass    |
|                 |            | 693             | 50            | 0      | 9.088                        | /     | Pass    |
|                 | 16QAM      | 668             | 50            | 0      | 9.062                        | /     | Pass    |
|                 |            | 680.5           | 50            | 0      | 9.092                        | /     | Pass    |
|                 |            | 693             | 50            | 0      | 9.078                        | /     | Pass    |
| 15              | QPSK       | 670.5           | 75            | 0      | 13.560                       | /     | Pass    |
|                 |            | 680.5           | 75            | 0      | 13.609                       | /     | Pass    |
|                 |            | 690.5           | 75            | 0      | 13.597                       | /     | Pass    |
|                 | 16QAM      | 670.5           | 75            | 0      | 13.592                       | /     | Pass    |
|                 |            | 680.5           | 75            | 0      | 13.646                       | /     | Pass    |
|                 |            | 690.5           | 75            | 0      | 13.580                       | /     | Pass    |
| 20              | QPSK       | 673             | 100           | 0      | 18.049                       | /     | Pass    |
|                 |            | 683             | 100           | 0      | 18.130                       | /     | Pass    |
|                 |            | 688             | 100           | 0      | 18.200                       | /     | Pass    |
|                 | 16QAM      | 673             | 100           | 0      | 18.052                       | /     | Pass    |
|                 |            | 683             | 100           | 0      | 18.178                       | /     | Pass    |
|                 |            | 688             | 100           | 0      | 18.192                       | /     | Pass    |

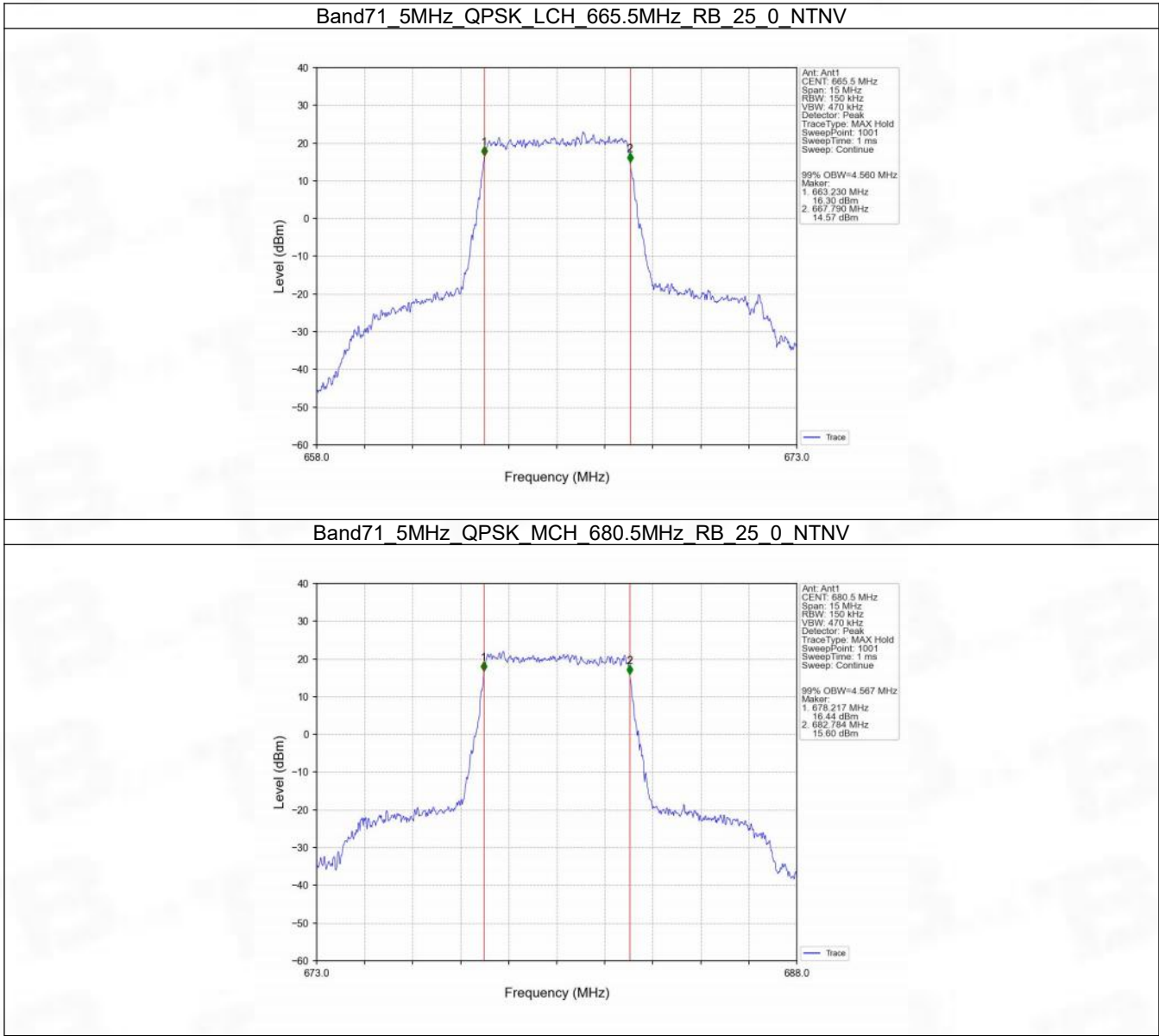
#### 4.1.2 Band71\_XDB

| Band: 71 / NTNV |            |                 |               |        |                      |       |         |
|-----------------|------------|-----------------|---------------|--------|----------------------|-------|---------|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation |        | 26dB Bandwidth (MHz) |       | Verdict |
|                 |            |                 | Size          | Offset | Result               | Limit |         |
| 5               | QPSK       | 665.5           | 25            | 0      | 5.260                | /     | Pass    |
|                 |            | 680.5           | 25            | 0      | 5.253                | /     | Pass    |
|                 |            | 695.5           | 25            | 0      | 5.291                | /     | Pass    |
|                 | 16QAM      | 665.5           | 25            | 0      | 5.220                | /     | Pass    |
|                 |            | 680.5           | 25            | 0      | 5.247                | /     | Pass    |
|                 |            | 695.5           | 25            | 0      | 5.292                | /     | Pass    |
| 10              | QPSK       | 668             | 50            | 0      | 10.341               | /     | Pass    |
|                 |            | 680.5           | 50            | 0      | 10.182               | /     | Pass    |
|                 |            | 693             | 50            | 0      | 10.302               | /     | Pass    |
|                 | 16QAM      | 668             | 50            | 0      | 10.574               | /     | Pass    |
|                 |            | 680.5           | 50            | 0      | 10.223               | /     | Pass    |
|                 |            | 693             | 50            | 0      | 10.145               | /     | Pass    |
| 15              | QPSK       | 670.5           | 75            | 0      | 15.266               | /     | Pass    |
|                 |            | 680.5           | 75            | 0      | 15.305               | /     | Pass    |
|                 |            | 690.5           | 75            | 0      | 15.203               | /     | Pass    |

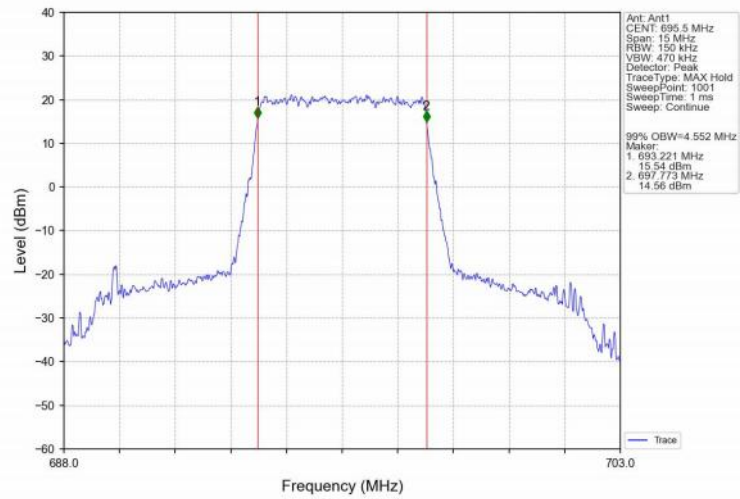
|    |       |       |     |   |        |   |      |
|----|-------|-------|-----|---|--------|---|------|
|    | 16QAM | 670.5 | 75  | 0 | 15.309 | / | Pass |
|    |       | 680.5 | 75  | 0 | 15.336 | / | Pass |
|    |       | 690.5 | 75  | 0 | 15.241 | / | Pass |
| 20 | QPSK  | 673   | 100 | 0 | 19.969 | / | Pass |
|    |       | 683   | 100 | 0 | 20.166 | / | Pass |
|    |       | 688   | 100 | 0 | 19.961 | / | Pass |
|    | 16QAM | 673   | 100 | 0 | 19.818 | / | Pass |
|    |       | 683   | 100 | 0 | 20.271 | / | Pass |
|    |       | 688   | 100 | 0 | 20.125 | / | Pass |

4.2 Test Graph

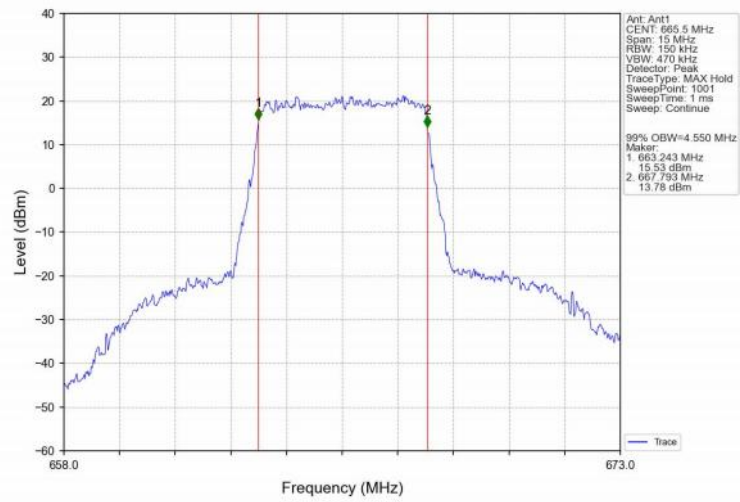
4.2.1 Band71\_OBW



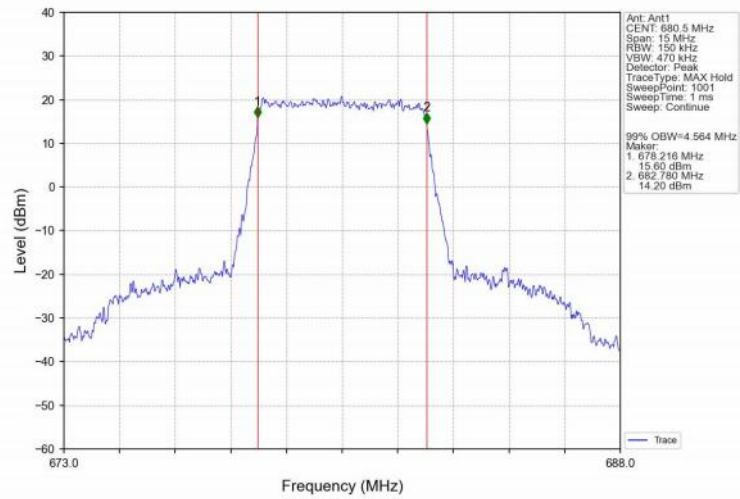
Band71\_5MHz\_QPSK\_HCH\_695.5MHz\_RB\_25\_0\_NTNV



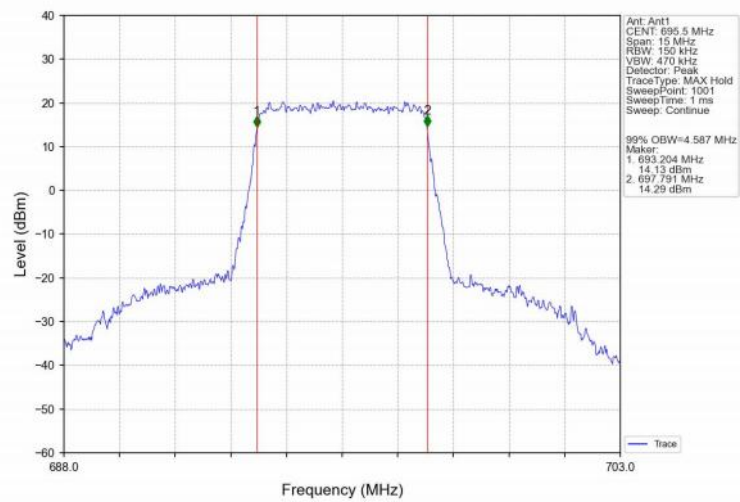
Band71\_5MHz\_16QAM\_LCH\_665.5MHz\_RB\_25\_0\_NTNV



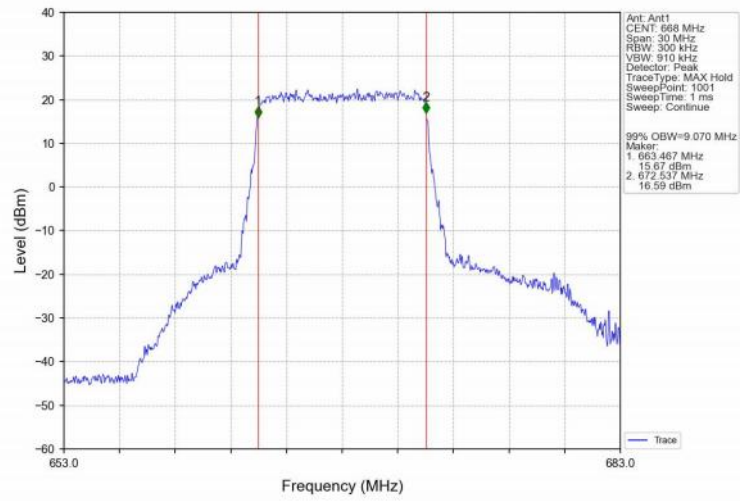
Band71\_5MHz\_16QAM\_MCH\_680.5MHz\_RB\_25\_0\_NTNV



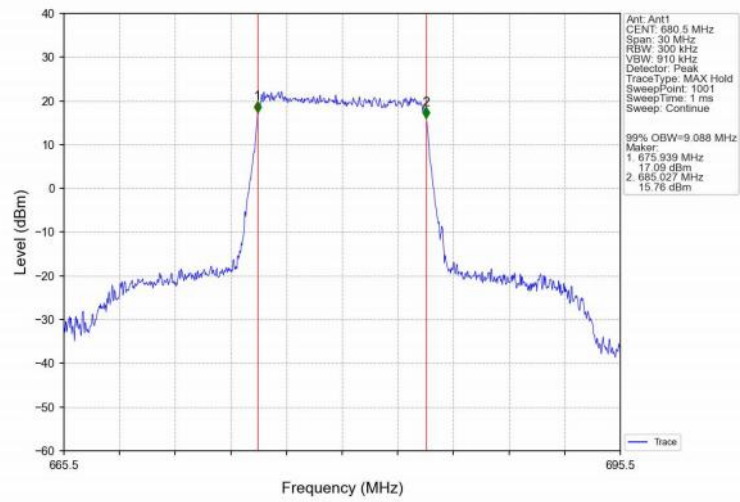
Band71\_5MHz\_16QAM\_HCH\_695.5MHz\_RB\_25\_0\_NTNV



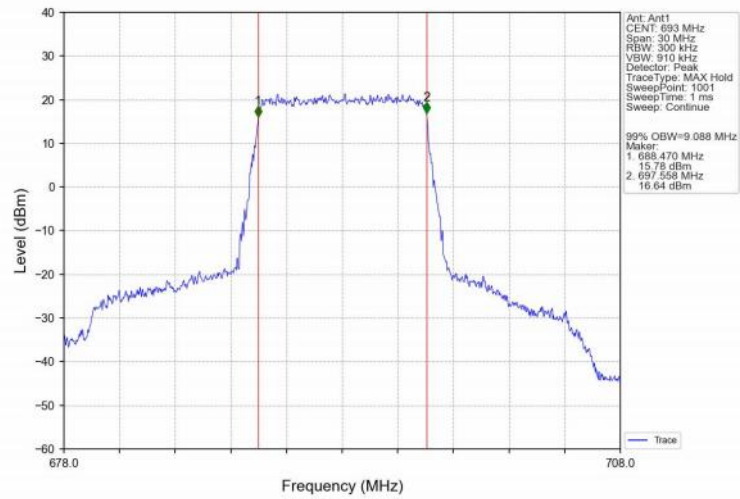
Band71\_10MHz\_QPSK\_LCH\_668MHz\_RB\_50\_0\_NTNV



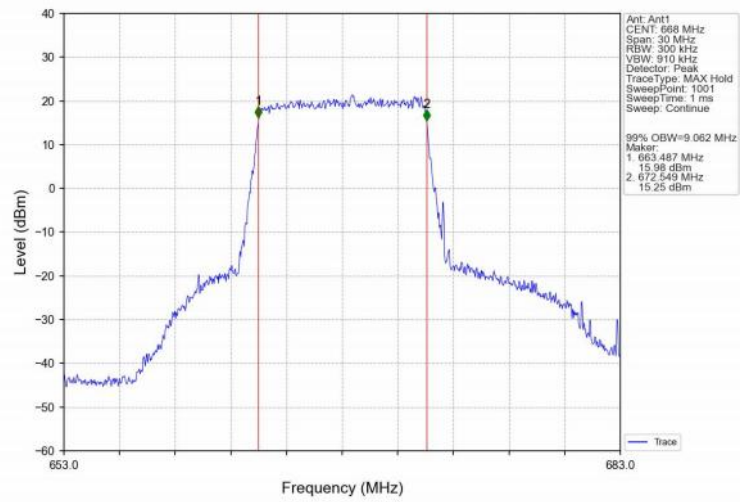
Band71\_10MHz\_QPSK\_MCH\_680.5MHz\_RB\_50\_0\_NTNV



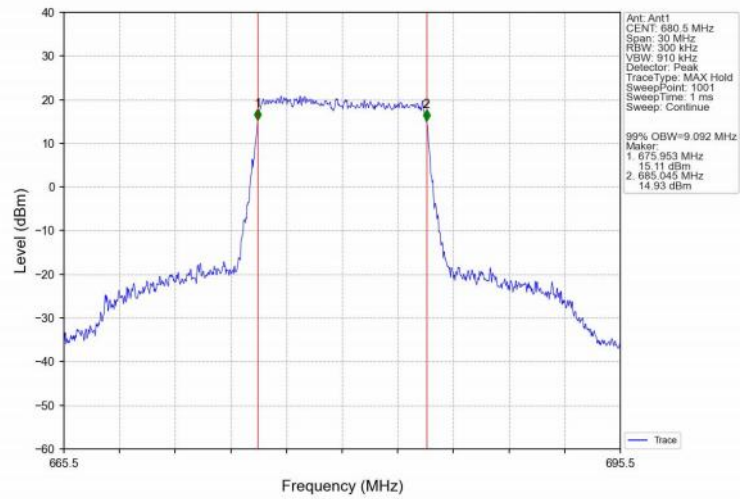
# Band71\_10MHz\_QPSK\_HCH\_693MHz\_RB\_50\_0\_NTNV



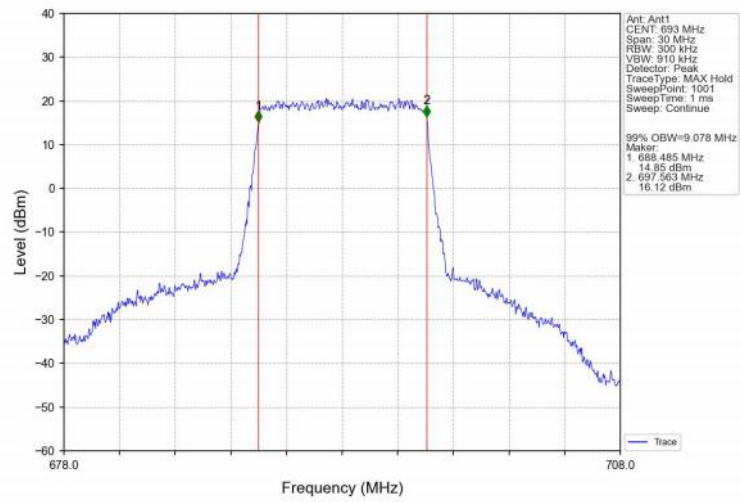
# Band71\_10MHz\_16QAM\_LCH\_668MHz\_RB\_50\_0\_NTNV



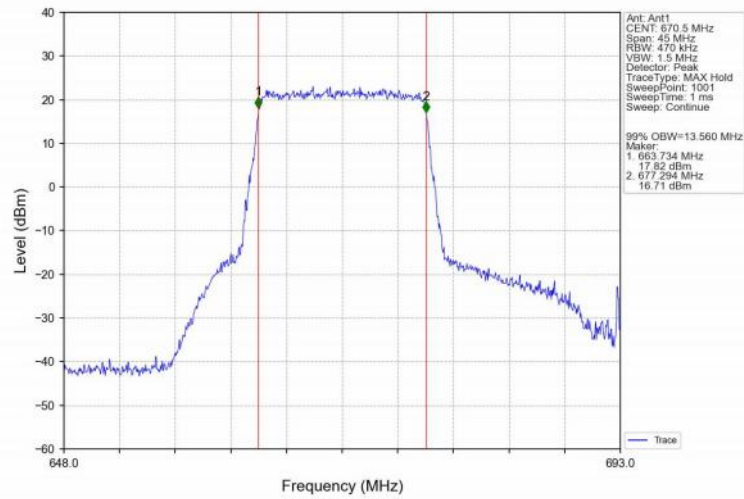
Band71\_10MHz\_16QAM\_MCH\_680.5MHz\_RB\_50\_0\_NTNV



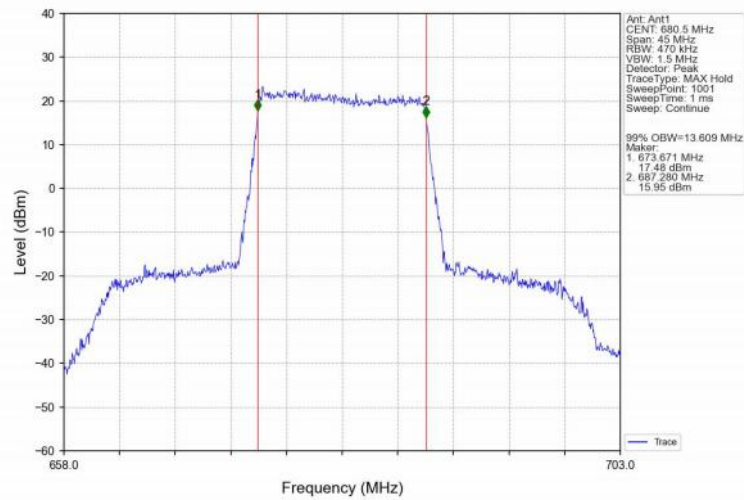
Band71\_10MHz\_16QAM\_HCH\_693MHz\_RB\_50\_0\_NTNV



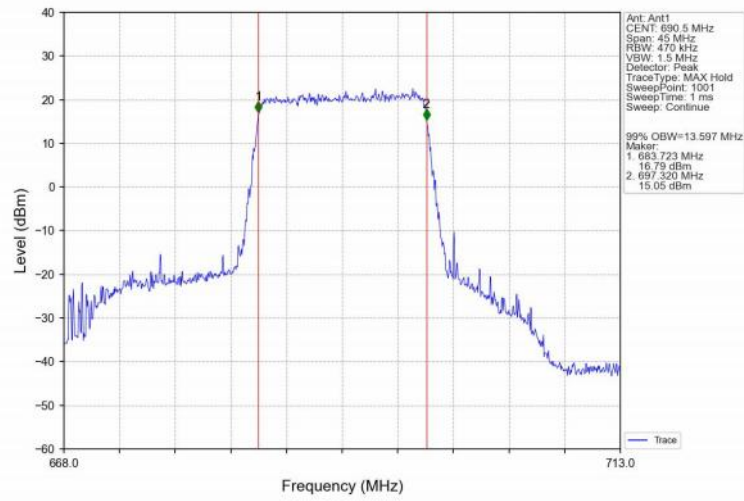
Band71\_15MHz\_QPSK\_LCH\_670.5MHz\_RB\_75\_0\_NTNV



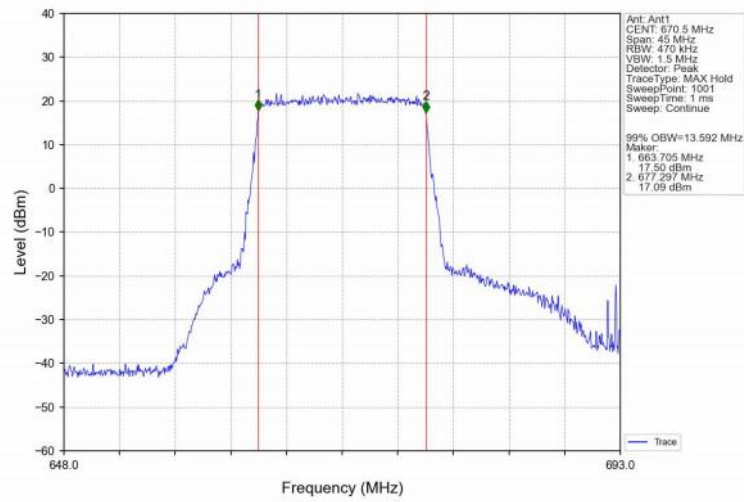
Band71\_15MHz\_QPSK\_MCH\_680.5MHz\_RB\_75\_0\_NTNV



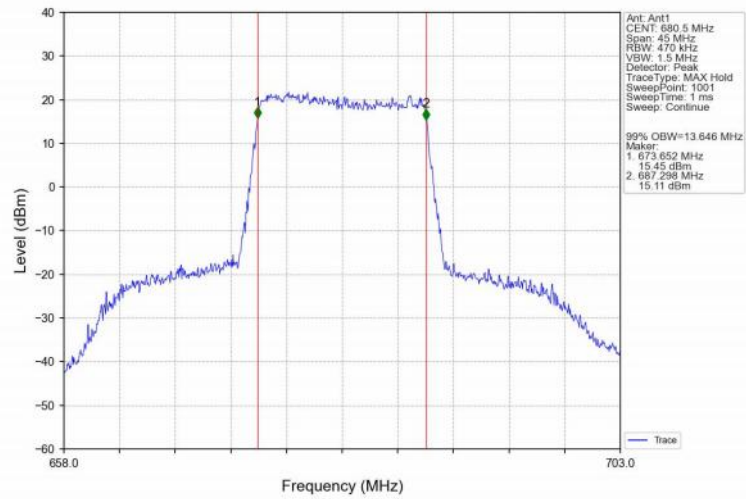
Band71\_15MHz\_QPSK\_HCH\_690.5MHz\_RB\_75\_0\_NTNV



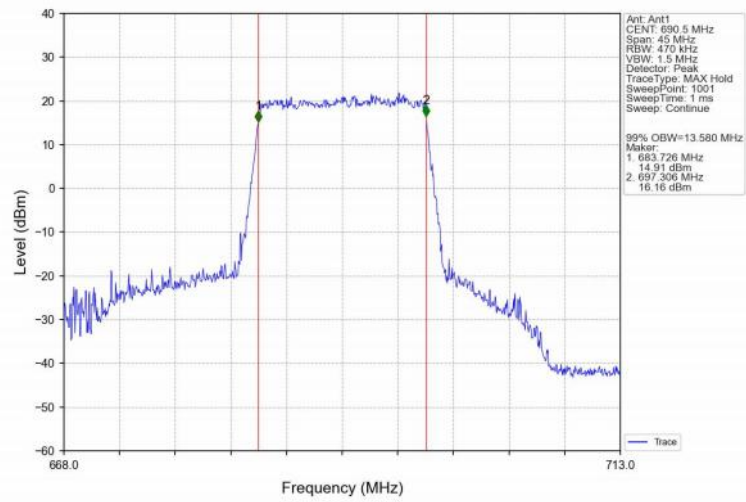
Band71\_15MHz\_16QAM\_LCH\_670.5MHz\_RB\_75\_0\_NTNV



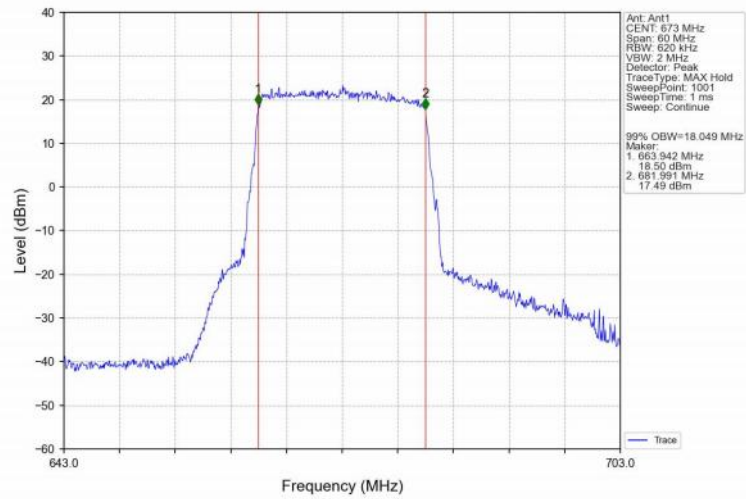
Band71\_15MHz\_16QAM\_MCH\_680.5MHz\_RB\_75\_0\_NTNV



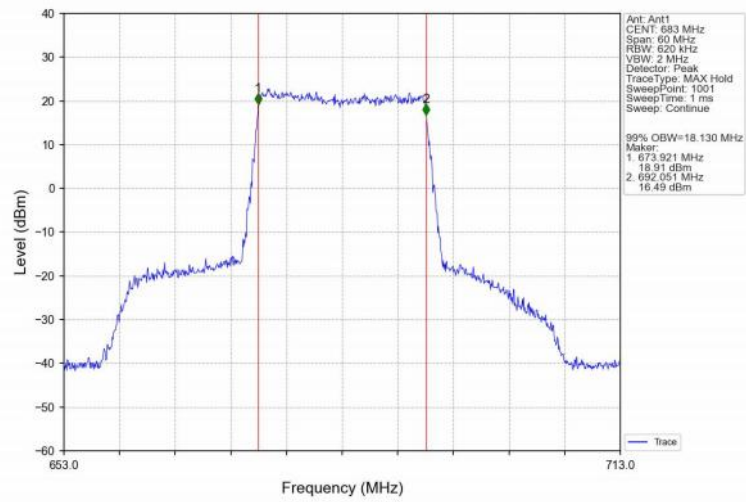
Band71\_15MHz\_16QAM\_HCH\_690.5MHz\_RB\_75\_0\_NTNV



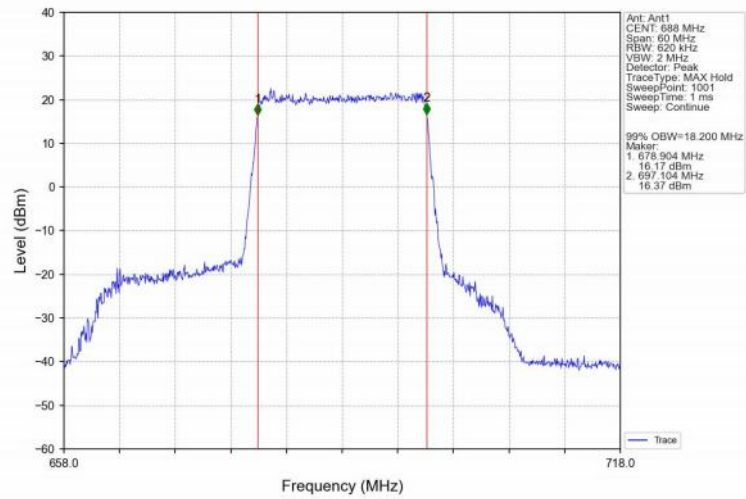
Band71\_20MHz\_QPSK\_LCH\_673MHz\_RB\_100\_0\_NTNV



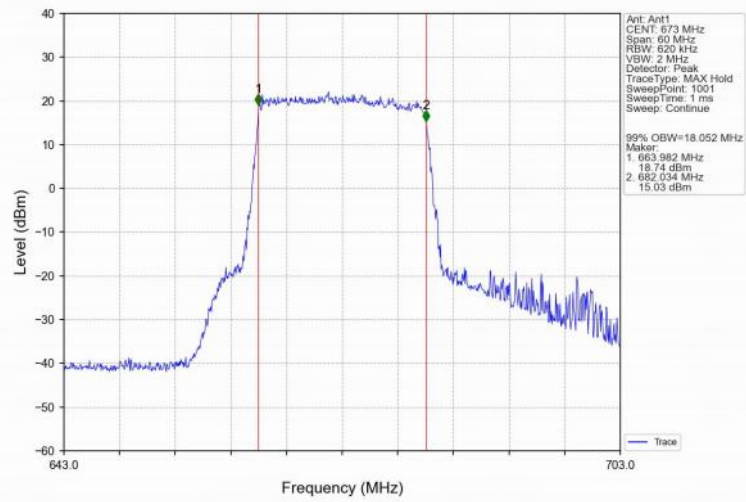
Band71\_20MHz\_QPSK\_MCH\_683MHz\_RB\_100\_0\_NTNV



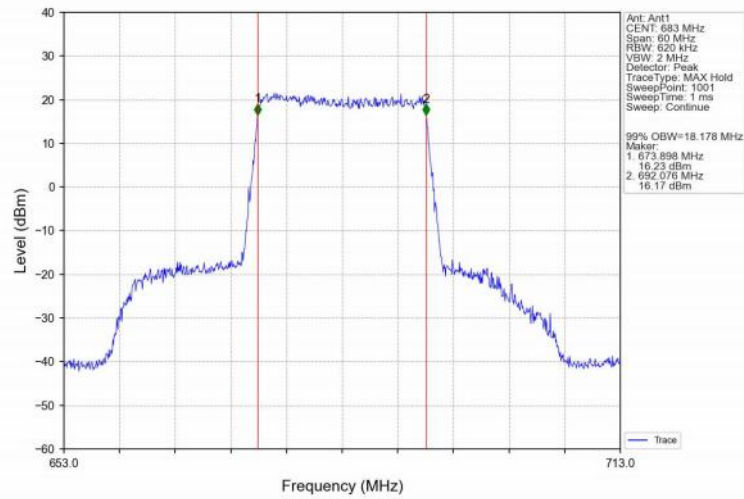
Band71\_20MHz\_QPSK\_HCH\_688MHz\_RB\_100\_0\_NTNV



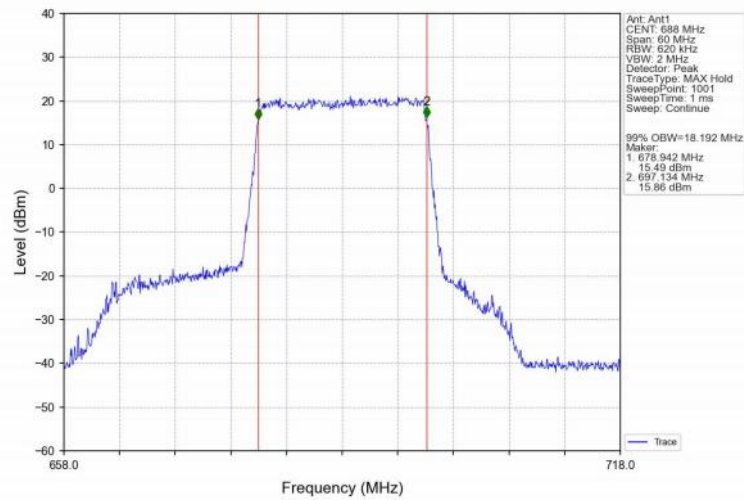
Band71\_20MHz\_16QAM\_LCH\_673MHz\_RB\_100\_0\_NTNV



Band71\_20MHz\_16QAM\_MCH\_683MHz\_RB\_100\_0\_NTNV

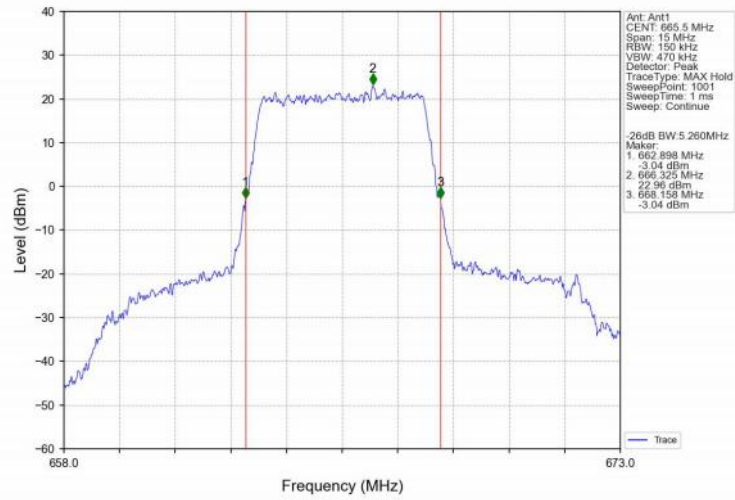


Band71\_20MHz\_16QAM\_HCH\_688MHz\_RB\_100\_0\_NTNV

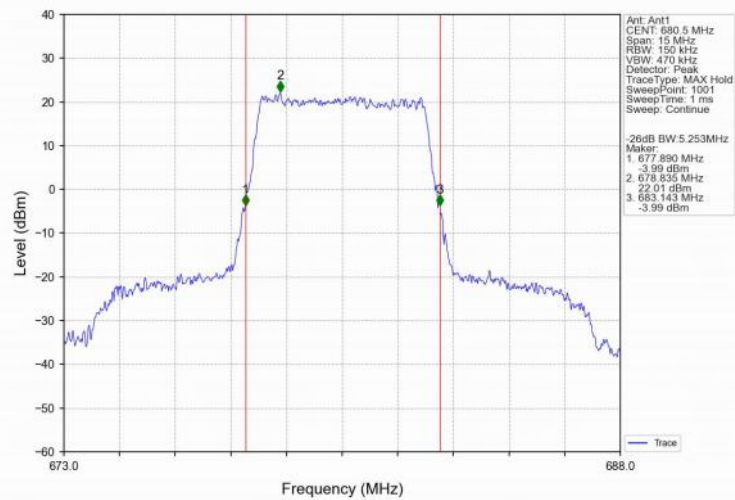


## 4.2.2 Band71\_XDB

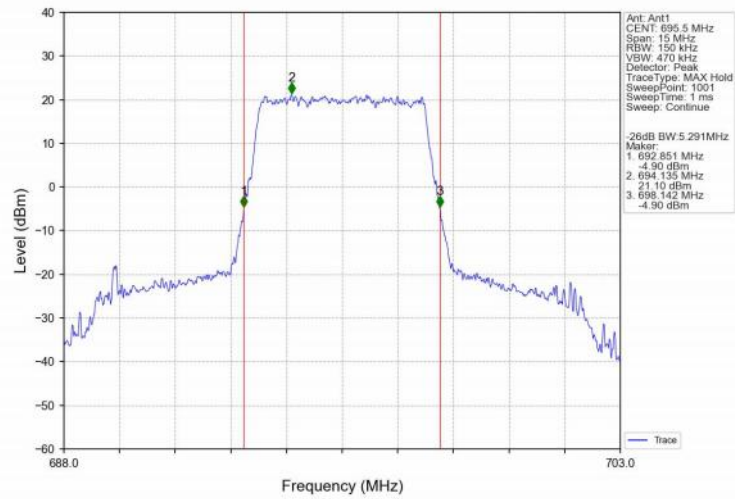
Band71\_5MHz\_QPSK\_LCH\_665.5MHz\_RB\_25\_0\_NTNV



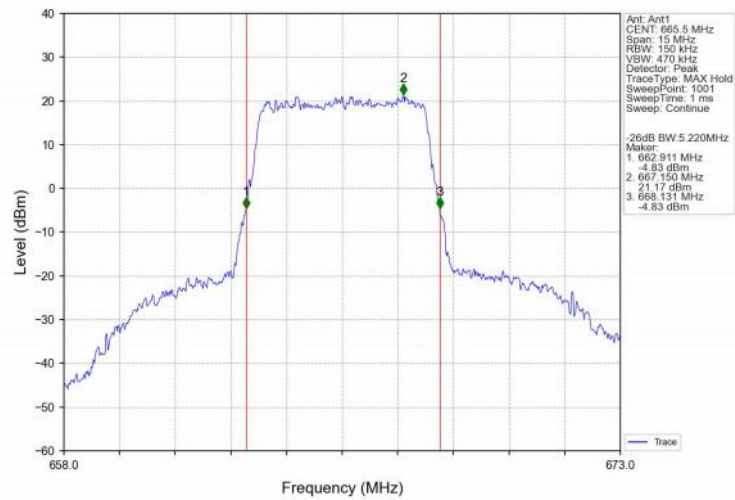
Band71\_5MHz\_QPSK\_MCH\_680.5MHz\_RB\_25\_0\_NTNV



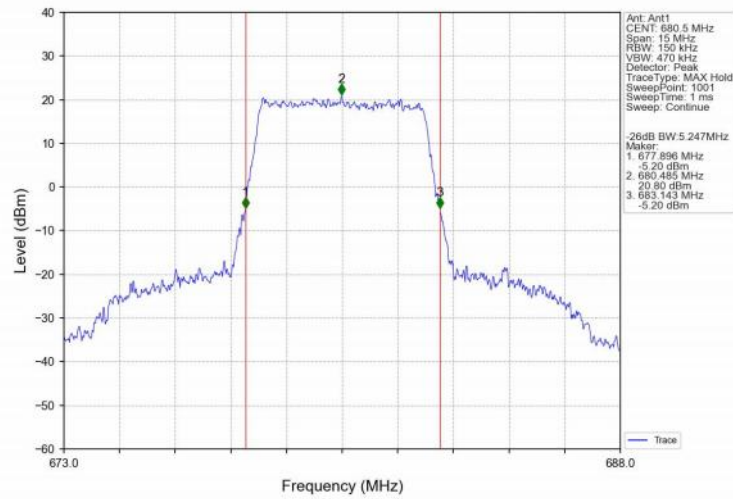
# Band71\_5MHz\_QPSK\_HCH\_695.5MHz\_RB\_25\_0\_NTNV



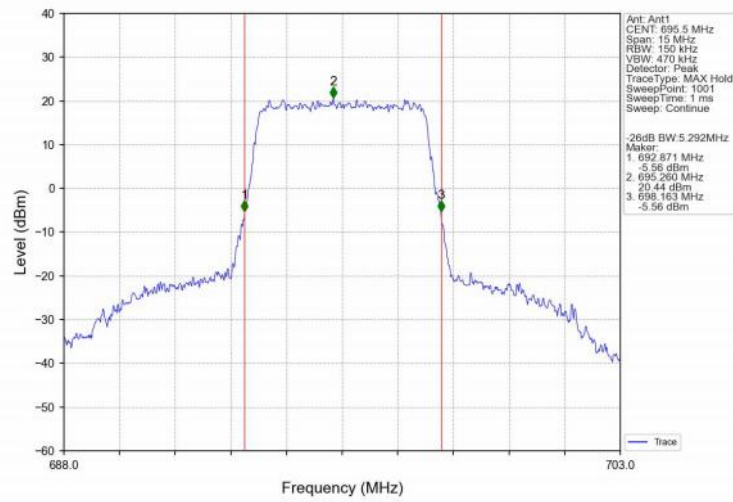
# Band71\_5MHz\_16QAM\_LCH\_665.5MHz\_RB\_25\_0\_NTNV



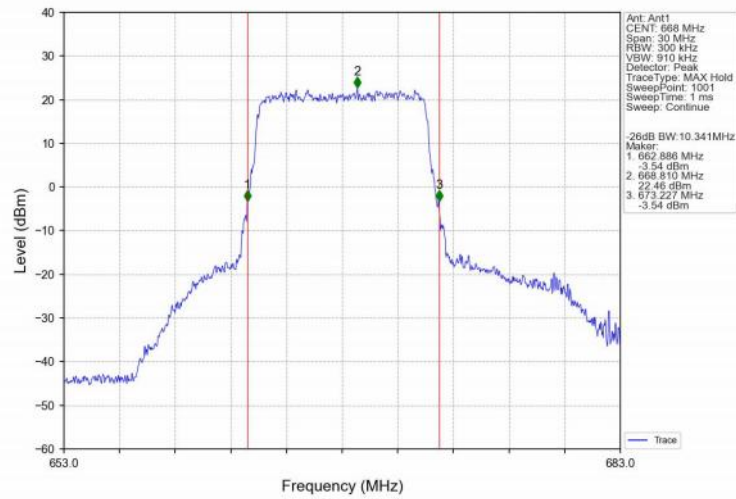
Band71\_5MHz\_16QAM\_MCH\_680.5MHz\_RB\_25\_0\_NTNV



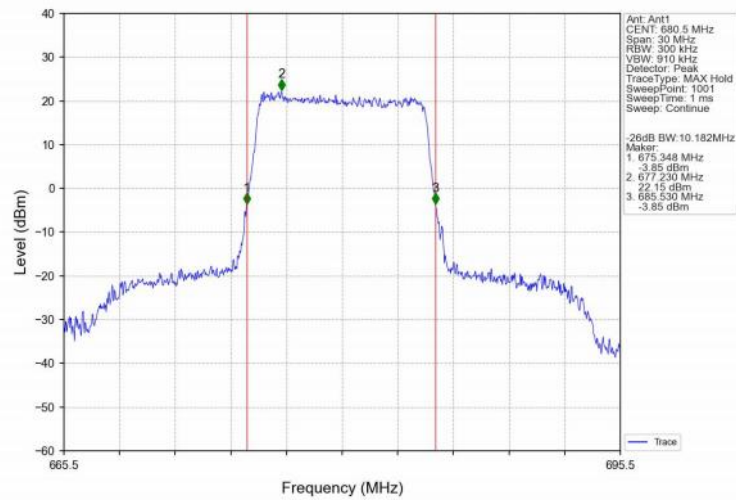
Band71\_5MHz\_16QAM\_HCH\_695.5MHz\_RB\_25\_0\_NTNV



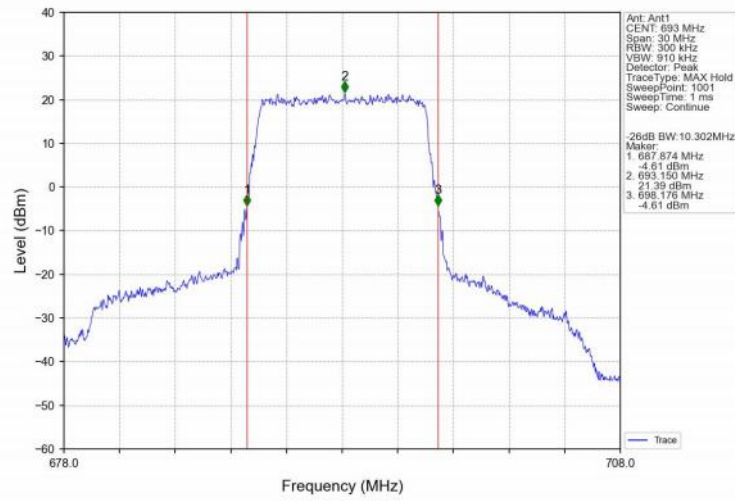
Band71\_10MHz\_QPSK\_LCH\_668MHz\_RB\_50\_0\_NTNV



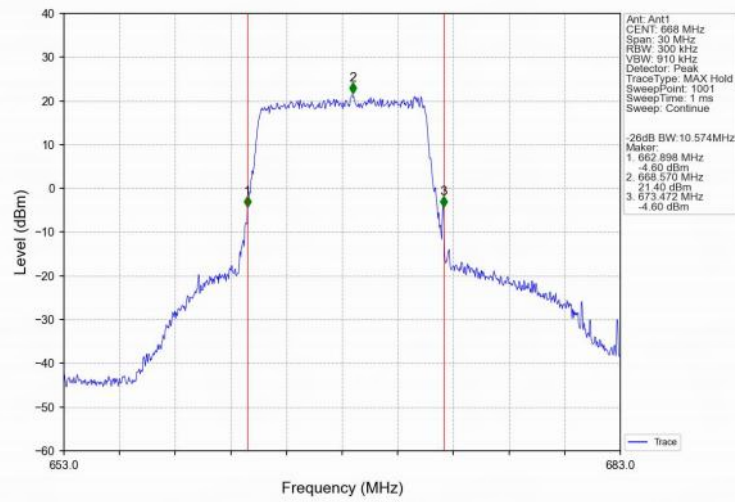
Band71\_10MHz\_QPSK\_MCH\_680.5MHz\_RB\_50\_0\_NTNV



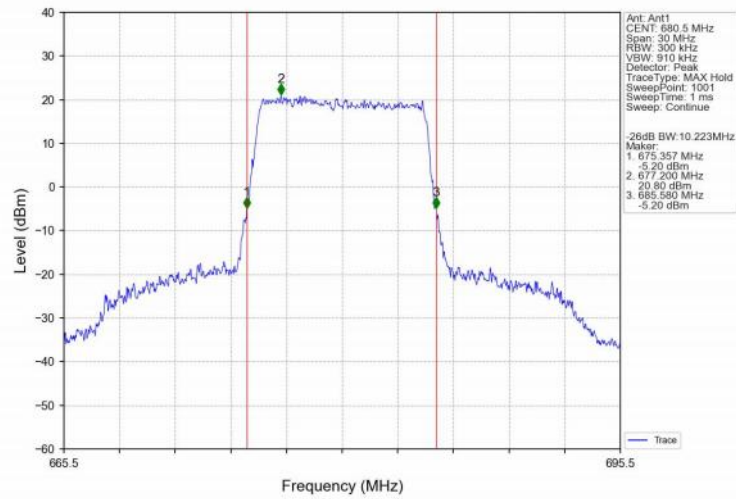
Band71\_10MHz\_QPSK\_HCH\_693MHz\_RB\_50\_0\_NTNV



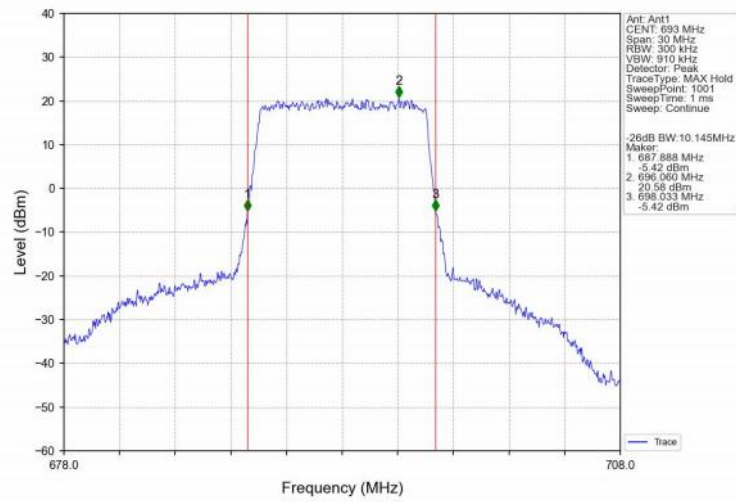
Band71\_10MHz\_16QAM\_LCH\_668MHz\_RB\_50\_0\_NTNV



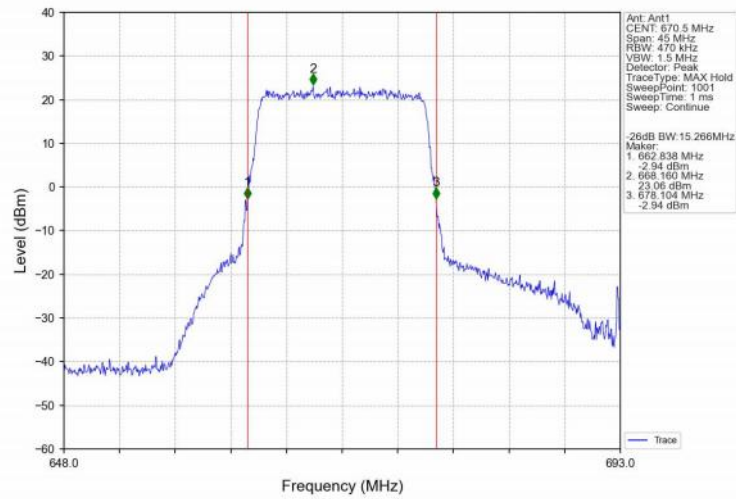
Band71\_10MHz\_16QAM\_MCH\_680.5MHz\_RB\_50\_0\_NTNV



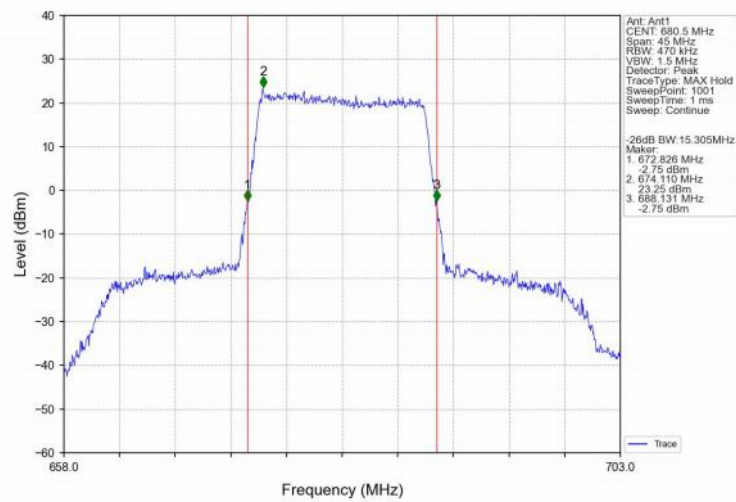
Band71\_10MHz\_16QAM\_HCH\_693MHz\_RB\_50\_0\_NTNV



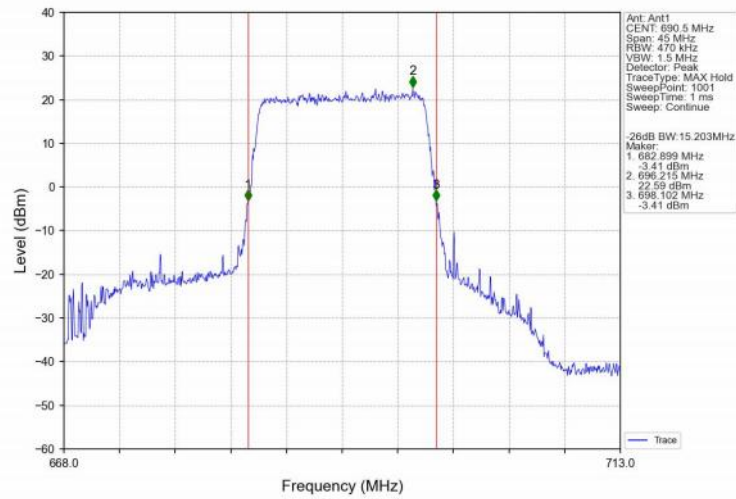
Band71\_15MHz\_QPSK\_LCH\_670.5MHz\_RB\_75\_0\_NTNV



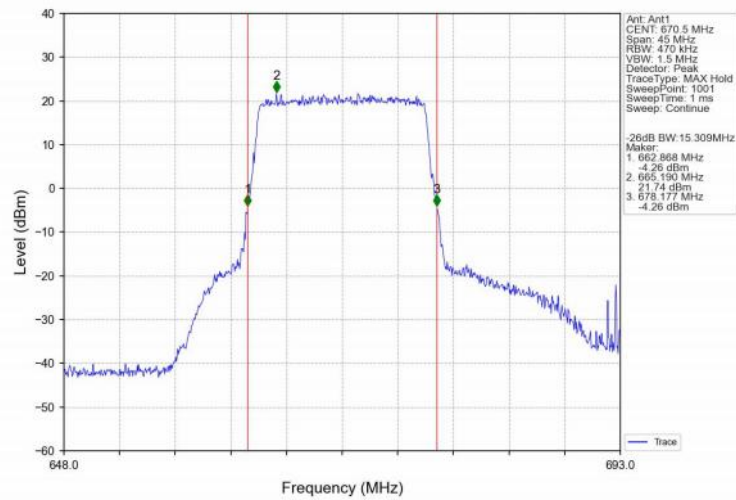
Band71\_15MHz\_QPSK\_MCH\_680.5MHz\_RB\_75\_0\_NTNV



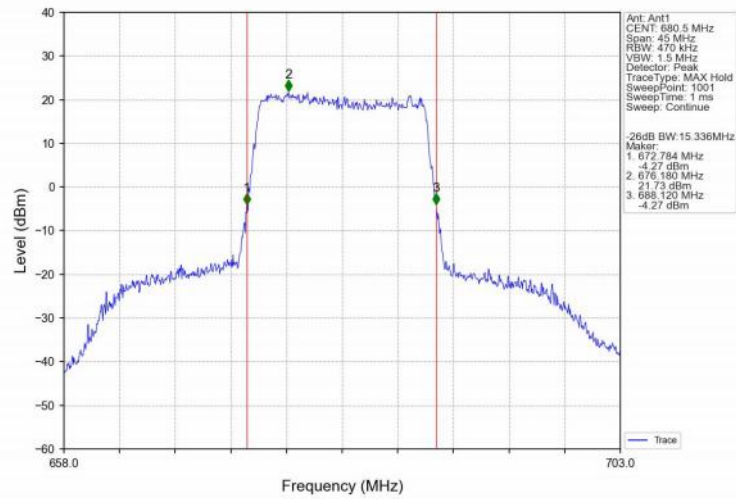
Band71\_15MHz\_QPSK\_HCH\_690.5MHz\_RB\_75\_0\_NTNV



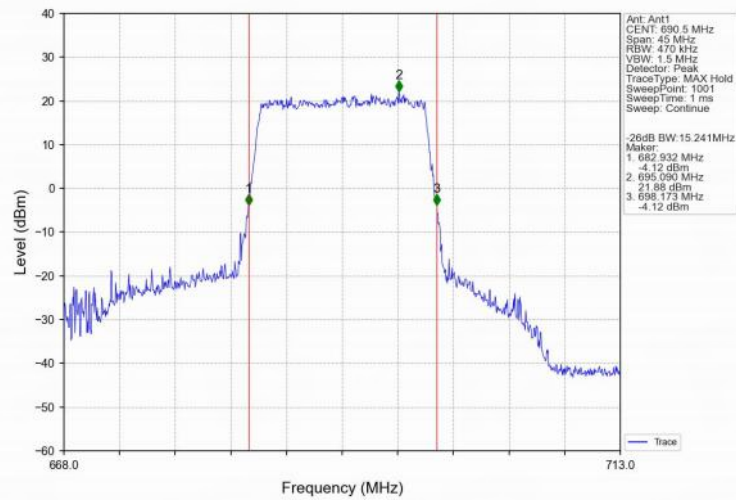
Band71\_15MHz\_16QAM\_LCH\_670.5MHz\_RB\_75\_0\_NTNV



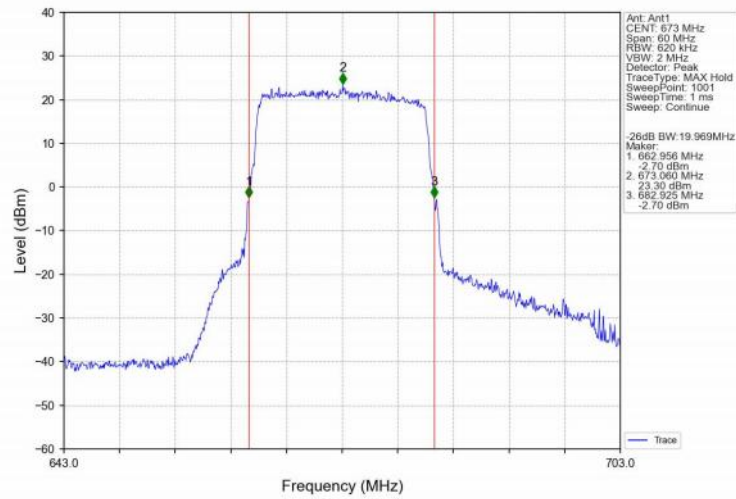
Band71\_15MHz\_16QAM\_MCH\_680.5MHz\_RB\_75\_0\_NTNV



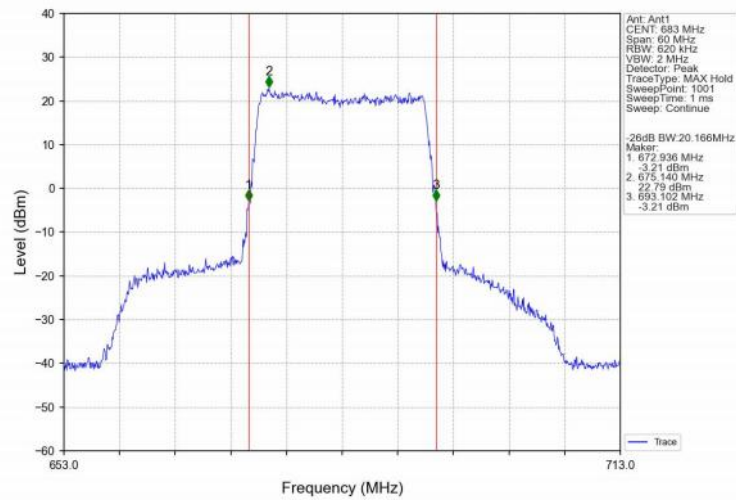
Band71\_15MHz\_16QAM\_HCH\_690.5MHz\_RB\_75\_0\_NTNV



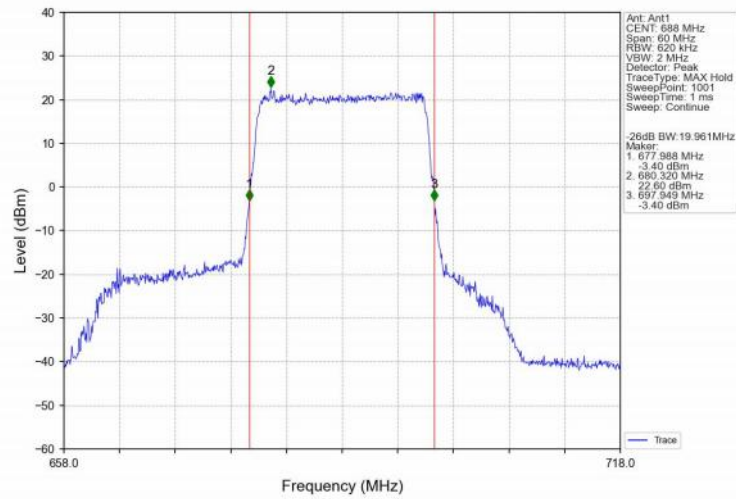
# Band71\_20MHz\_QPSK\_LCH\_673MHz\_RB\_100\_0\_NTNV



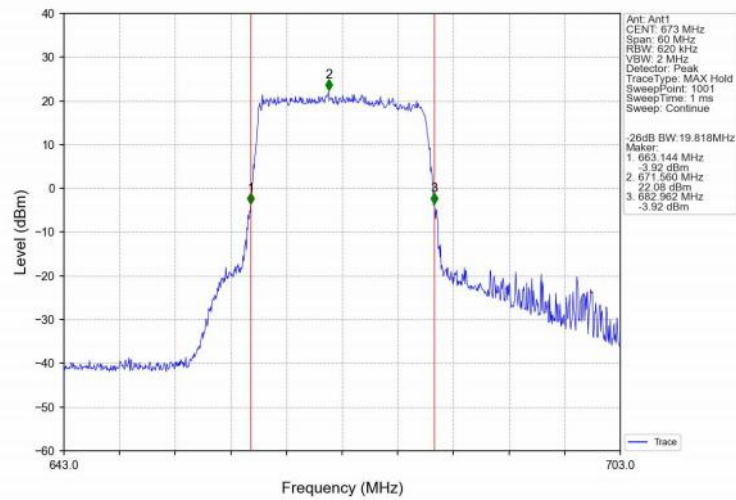
# Band71\_20MHz\_QPSK\_MCH\_683MHz\_RB\_100\_0\_NTNV



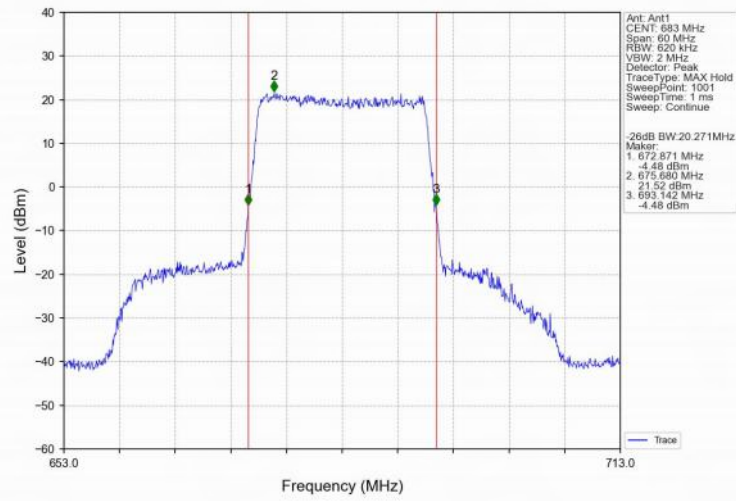
# Band71\_20MHz\_QPSK\_HCH\_688MHz\_RB\_100\_0\_NTNV



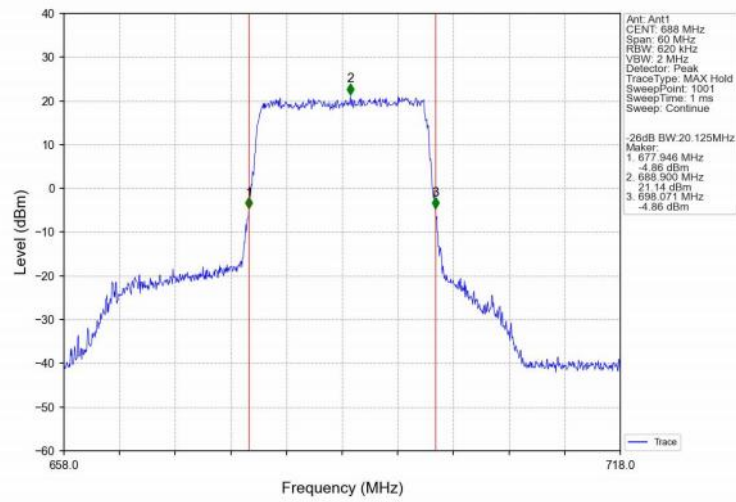
# Band71\_20MHz\_16QAM\_LCH\_673MHz\_RB\_100\_0\_NTNV



Band71\_20MHz\_16QAM\_MCH\_683MHz\_RB\_100\_0\_NTNV



Band71\_20MHz\_16QAM\_HCH\_688MHz\_RB\_100\_0\_NTNV



## 5. Peak-Average Ratio

### 5.1 Test Result

#### 5.1.1 B71\_5MHz

| Band: 71 / Bandwidth: 5MHz / NTNV |                 |               |        |                         |       |         |
|-----------------------------------|-----------------|---------------|--------|-------------------------|-------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Peak-Average Ratio (dB) |       | Verdict |
|                                   |                 | Size          | Offset | Result                  | Limit |         |
| QPSK                              | 665.5           | 25            | 0      | 5.62                    | <=13  | Pass    |
|                                   | 680.5           | 25            | 0      | 5.47                    | <=13  | Pass    |
|                                   | 695.5           | 25            | 0      | 5.58                    | <=13  | Pass    |
| 16QAM                             | 665.5           | 25            | 0      | 6.18                    | <=13  | Pass    |
|                                   | 680.5           | 25            | 0      | 6.16                    | <=13  | Pass    |
|                                   | 695.5           | 25            | 0      | 6.23                    | <=13  | Pass    |

#### 5.1.2 B71\_10MHz

| Band: 71 / Bandwidth: 10MHz / NTNV |                 |               |        |                         |       |         |
|------------------------------------|-----------------|---------------|--------|-------------------------|-------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation |        | Peak-Average Ratio (dB) |       | Verdict |
|                                    |                 | Size          | Offset | Result                  | Limit |         |
| QPSK                               | 668             | 50            | 0      | 5.53                    | <=13  | Pass    |
|                                    | 680.5           | 50            | 0      | 5.56                    | <=13  | Pass    |
|                                    | 693             | 50            | 0      | 5.57                    | <=13  | Pass    |
| 16QAM                              | 668             | 50            | 0      | 6.16                    | <=13  | Pass    |
|                                    | 680.5           | 50            | 0      | 6.24                    | <=13  | Pass    |
|                                    | 693             | 50            | 0      | 6.23                    | <=13  | Pass    |

#### 5.1.3 B71\_15MHz

| Band: 71 / Bandwidth: 15MHz / NTNV |                 |               |        |                         |       |         |
|------------------------------------|-----------------|---------------|--------|-------------------------|-------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation |        | Peak-Average Ratio (dB) |       | Verdict |
|                                    |                 | Size          | Offset | Result                  | Limit |         |
| QPSK                               | 670.5           | 75            | 0      | 4.88                    | <=13  | Pass    |
|                                    | 680.5           | 75            | 0      | 4.88                    | <=13  | Pass    |
|                                    | 690.5           | 75            | 0      | 4.85                    | <=13  | Pass    |
| 16QAM                              | 670.5           | 75            | 0      | 6.11                    | <=13  | Pass    |
|                                    | 680.5           | 75            | 0      | 6.09                    | <=13  | Pass    |
|                                    | 690.5           | 75            | 0      | 6.13                    | <=13  | Pass    |

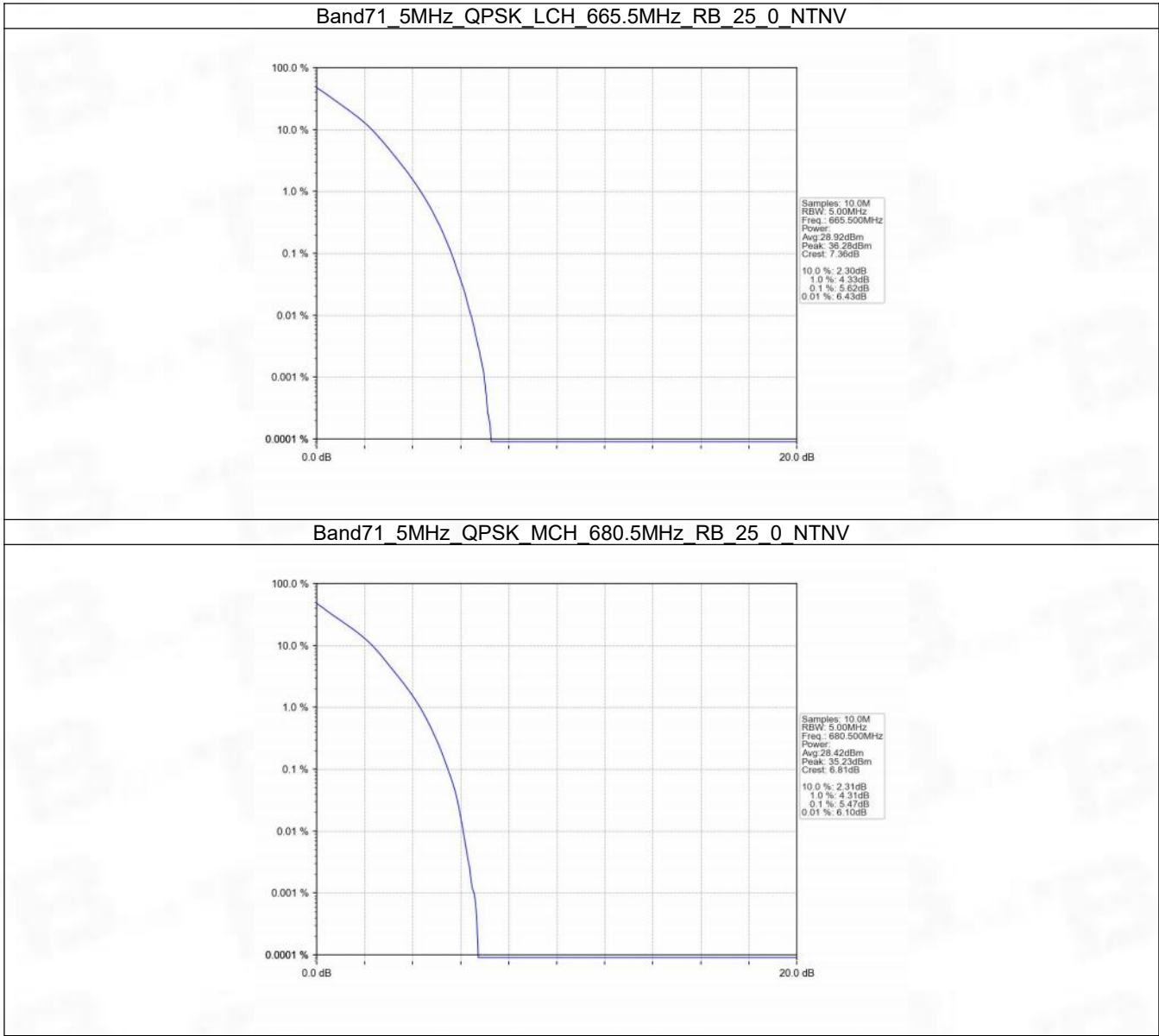
#### 5.1.4 B71\_20MHz

| Band: 71 / Bandwidth: 20MHz / NTNV |                 |               |        |                         |       |         |
|------------------------------------|-----------------|---------------|--------|-------------------------|-------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation |        | Peak-Average Ratio (dB) |       | Verdict |
|                                    |                 | Size          | Offset | Result                  | Limit |         |
| QPSK                               | 673             | 100           | 0      | 5.64                    | <=13  | Pass    |
|                                    | 683             | 100           | 0      | 5.68                    | <=13  | Pass    |
|                                    | 688             | 100           | 0      | 5.62                    | <=13  | Pass    |
| 16QAM                              | 673             | 100           | 0      | 6.64                    | <=13  | Pass    |
|                                    | 683             | 100           | 0      | 6.66                    | <=13  | Pass    |

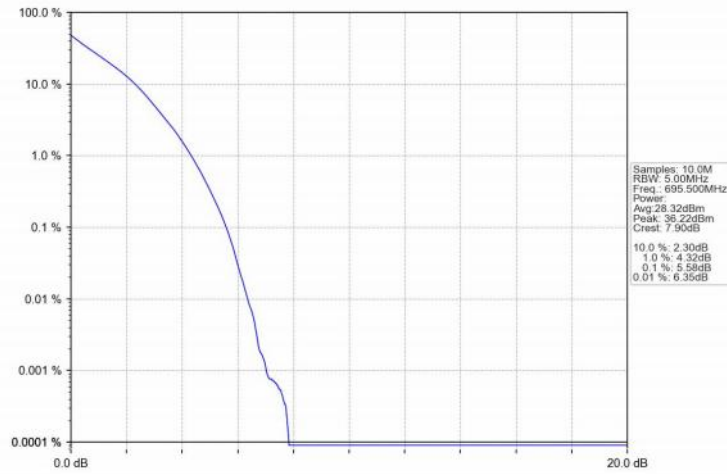
|  |     |     |   |      |      |      |
|--|-----|-----|---|------|------|------|
|  | 688 | 100 | 0 | 6.64 | <=13 | Pass |
|--|-----|-----|---|------|------|------|

5.2 Test Graph

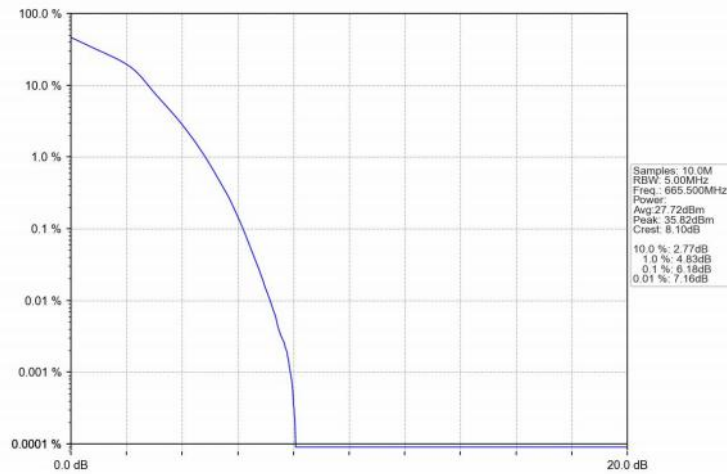
5.2.1 B71\_5MHz



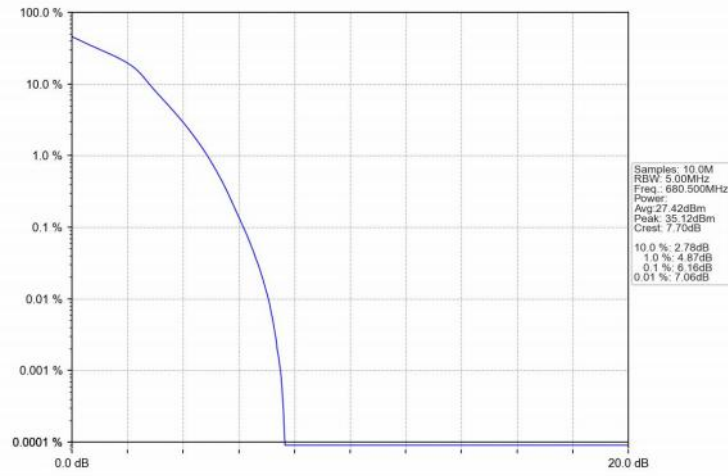
Band71\_5MHz\_QPSK\_HCH\_695.5MHz\_RB\_25\_0\_NTNV



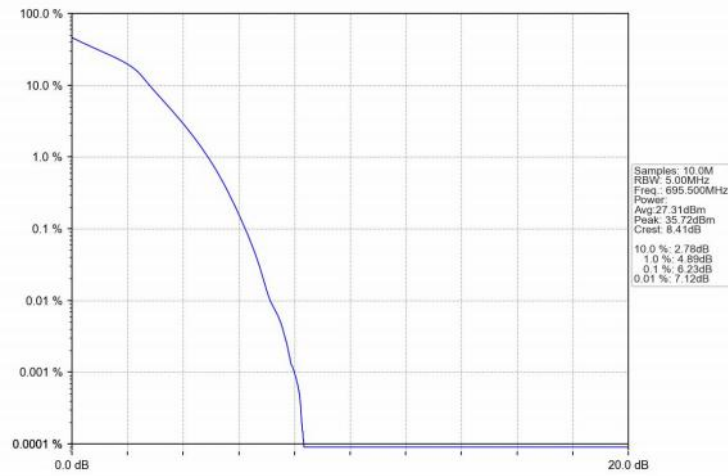
Band71\_5MHz\_16QAM\_LCH\_665.5MHz\_RB\_25\_0\_NTNV



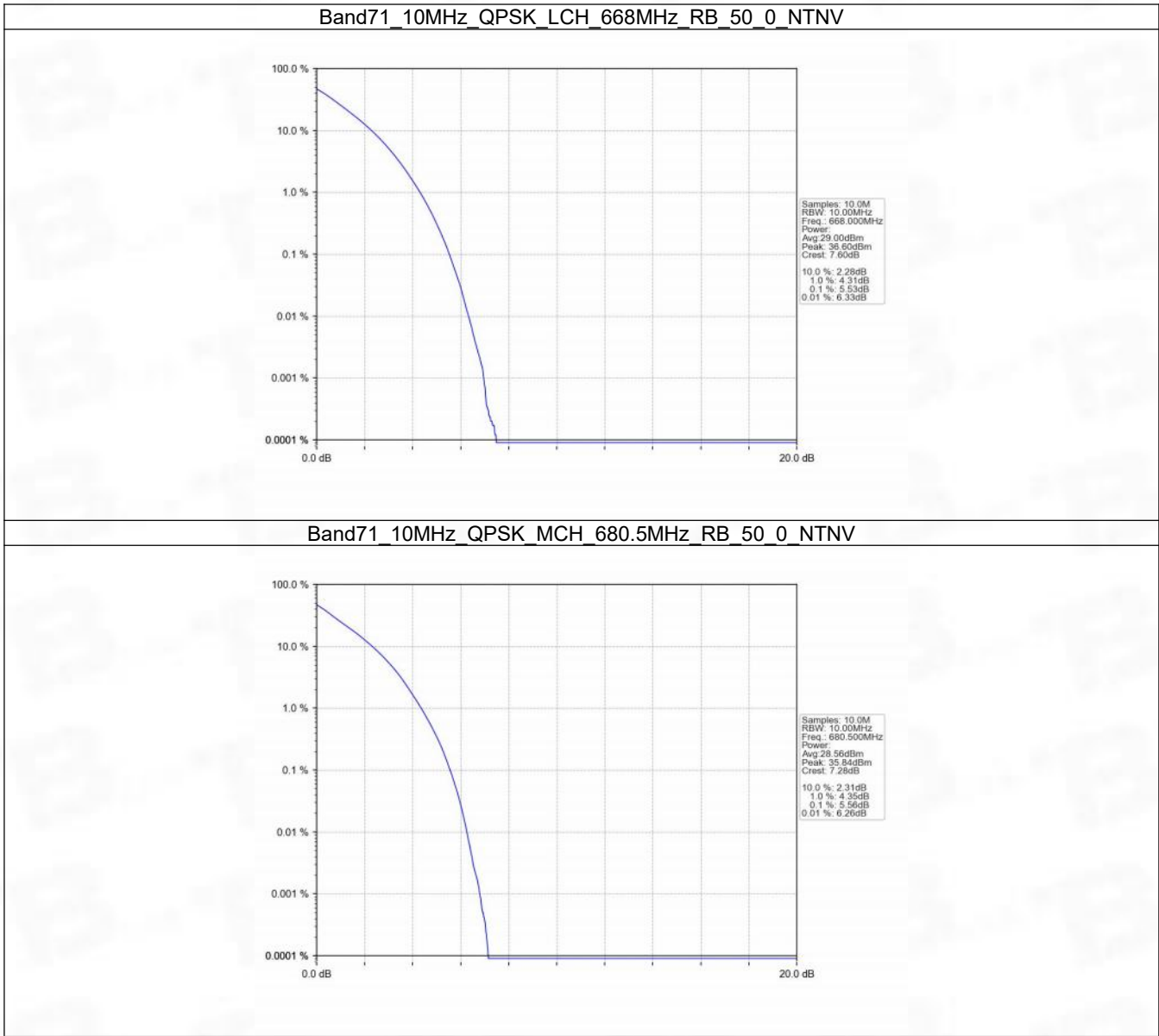
Band71\_5MHz\_16QAM\_MCH\_680.5MHz\_RB\_25\_0\_NTNV



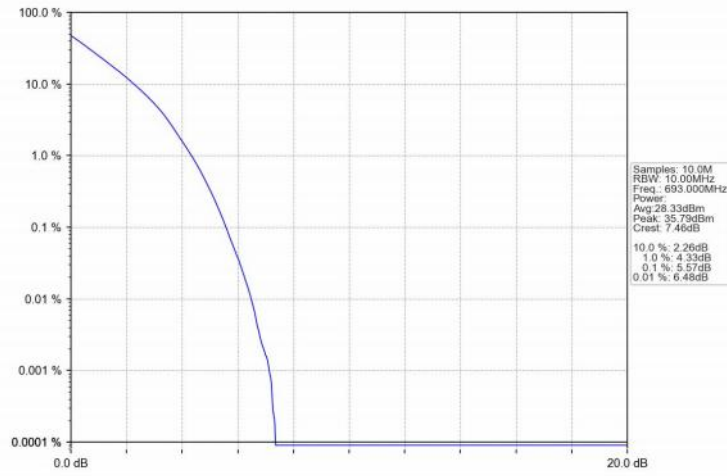
Band71\_5MHz\_16QAM\_HCH\_695.5MHz\_RB\_25\_0\_NTNV



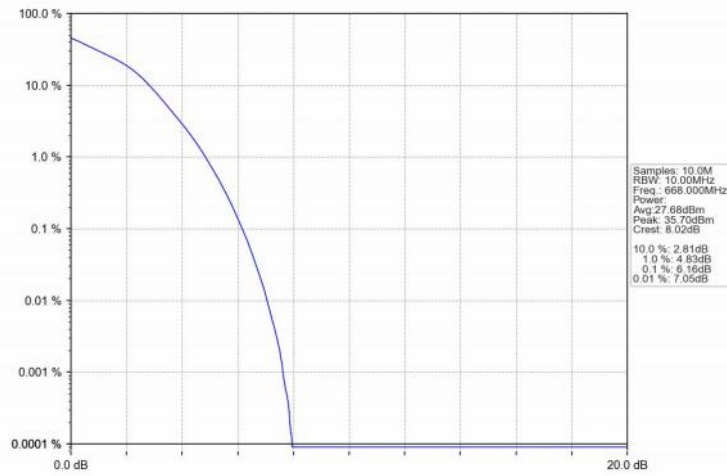
5.2.2 B71\_10MHz



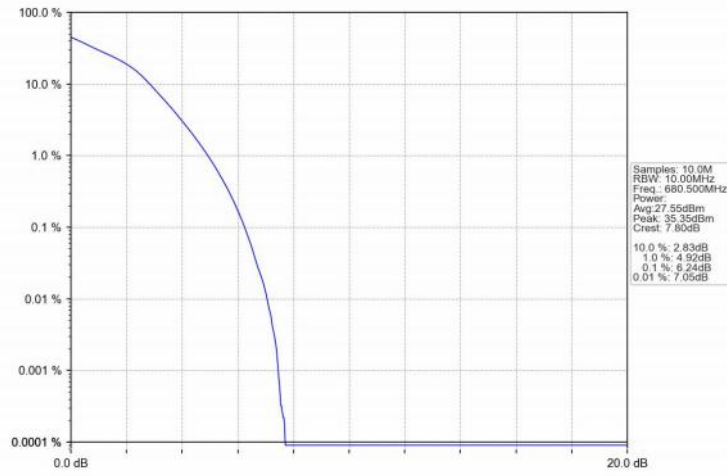
Band71\_10MHz\_QPSK\_HCH\_693MHz\_RB\_50\_0\_NTNV



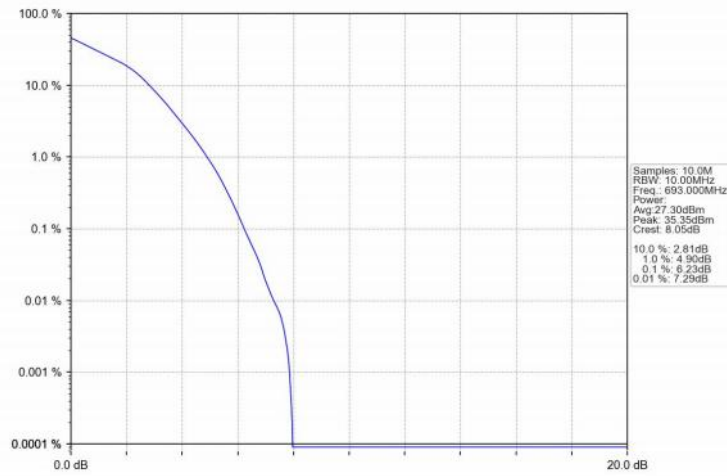
Band71\_10MHz\_16QAM\_LCH\_668MHz\_RB\_50\_0\_NTNV



Band71\_10MHz\_16QAM\_MCH\_680.5MHz\_RB\_50\_0\_NTNV

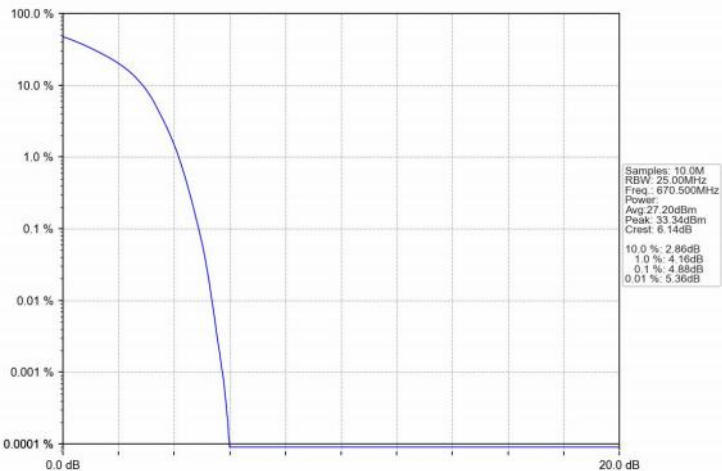


Band71\_10MHz\_16QAM\_HCH\_693MHz\_RB\_50\_0\_NTNV

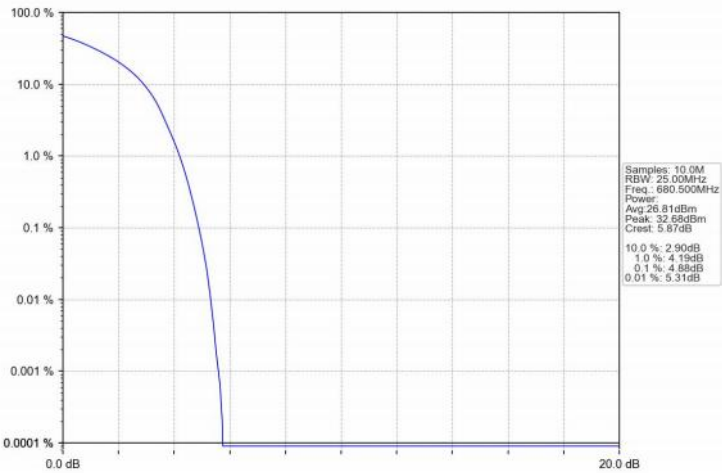


5.2.3 B71\_15MHz

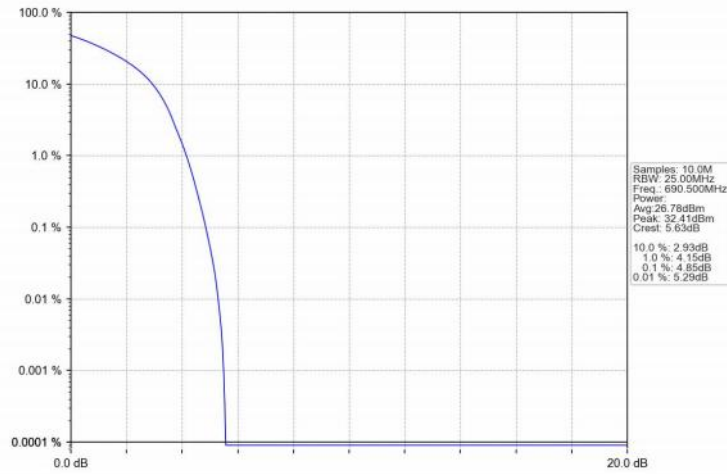
Band71\_15MHz\_QPSK\_LCH\_670.5MHz\_RB\_75\_0\_NTNV



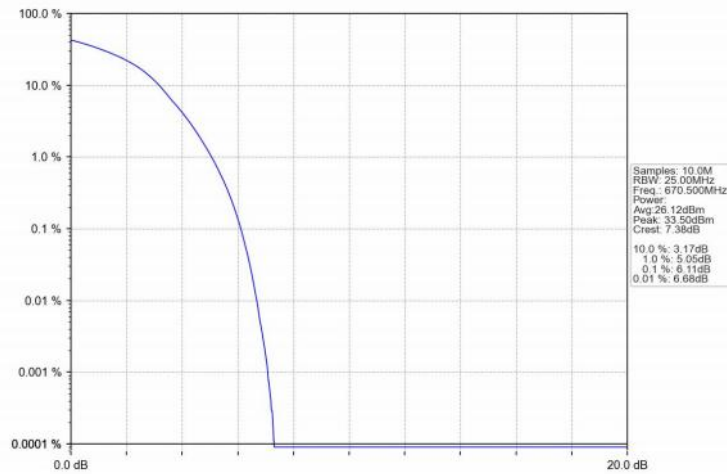
Band71\_15MHz\_QPSK\_MCH\_680.5MHz\_RB\_75\_0\_NTNV



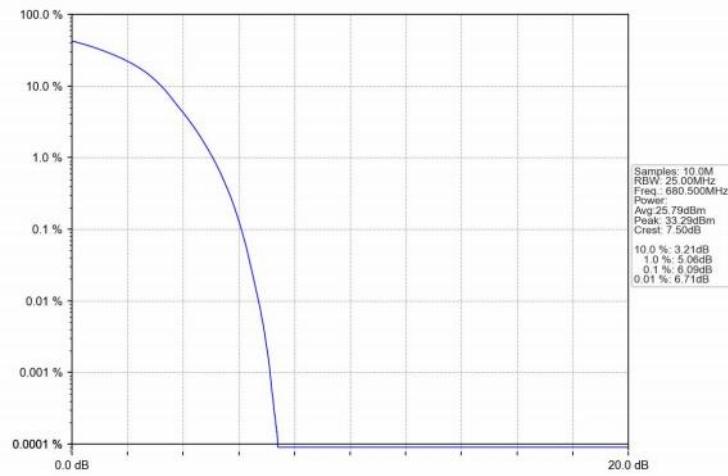
Band71\_15MHz\_QPSK\_HCH\_690.5MHz\_RB\_75\_0\_NTNV



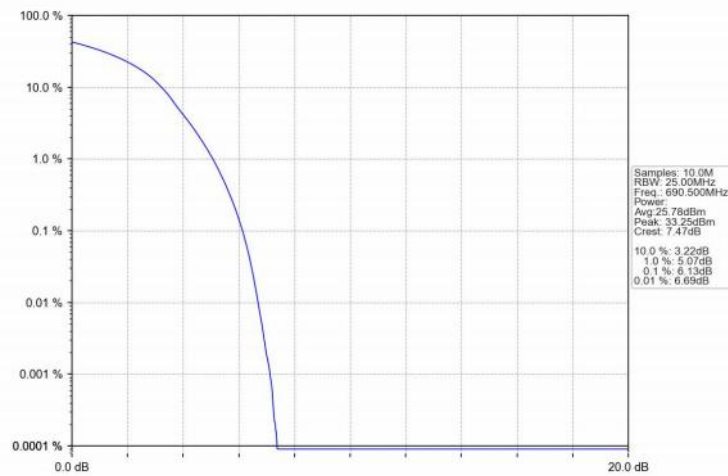
Band71\_15MHz\_16QAM\_LCH\_670.5MHz\_RB\_75\_0\_NTNV



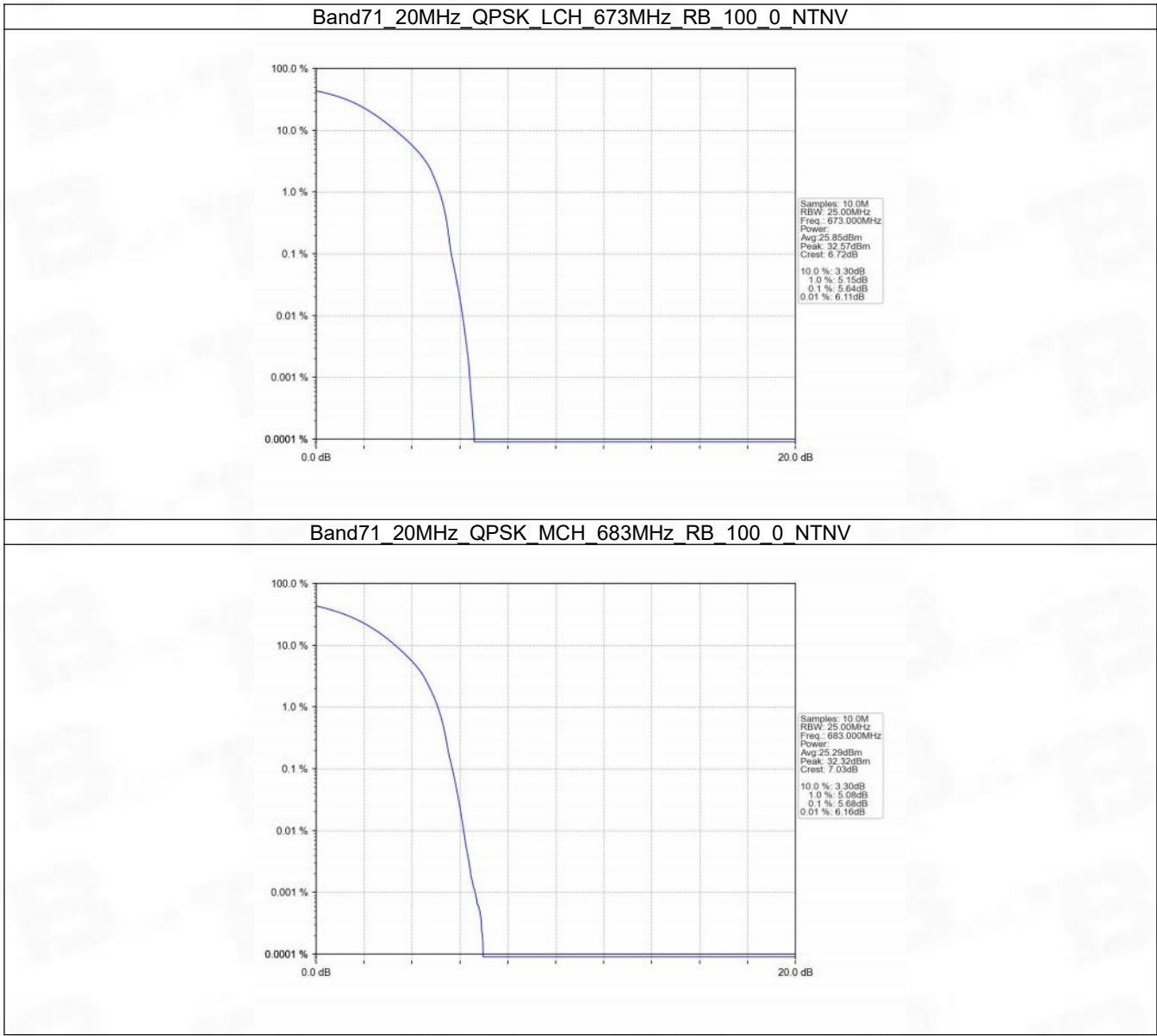
Band71\_15MHz\_16QAM\_MCH\_680.5MHz\_RB\_75\_0\_NTNV



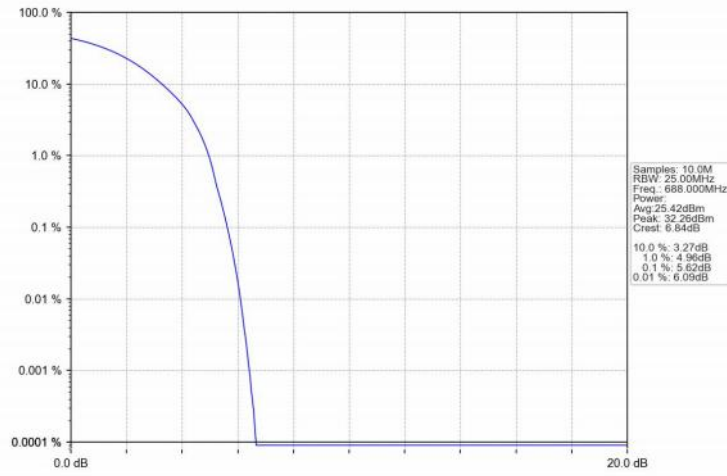
Band71\_15MHz\_16QAM\_HCH\_690.5MHz\_RB\_75\_0\_NTNV



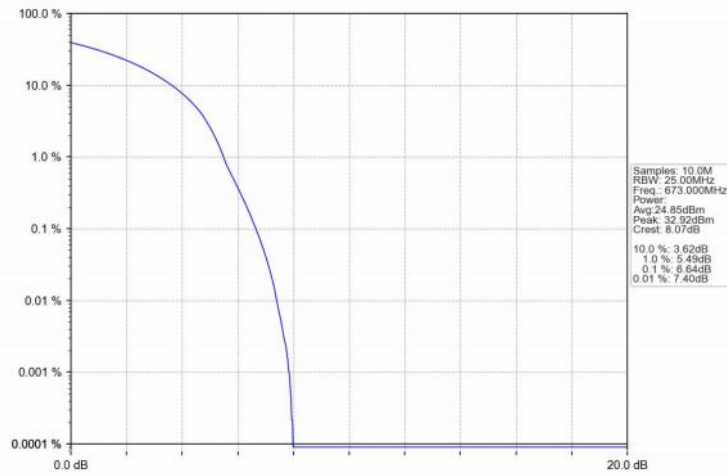
5.2.4 B71\_20MHz



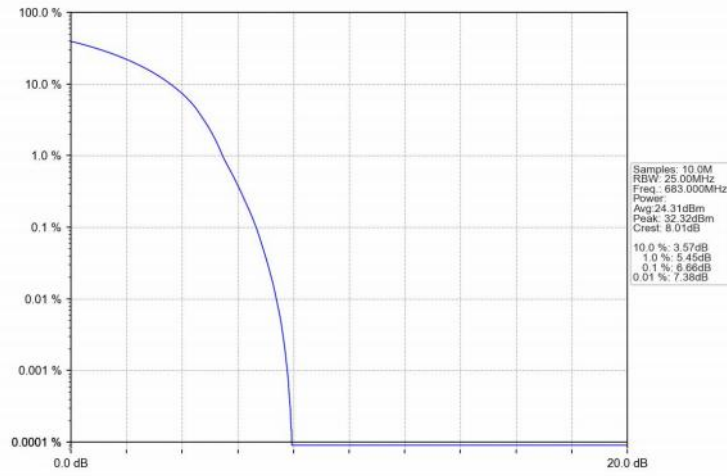
Band71\_20MHz\_QPSK\_HCH\_688MHz\_RB\_100\_0\_NTNV



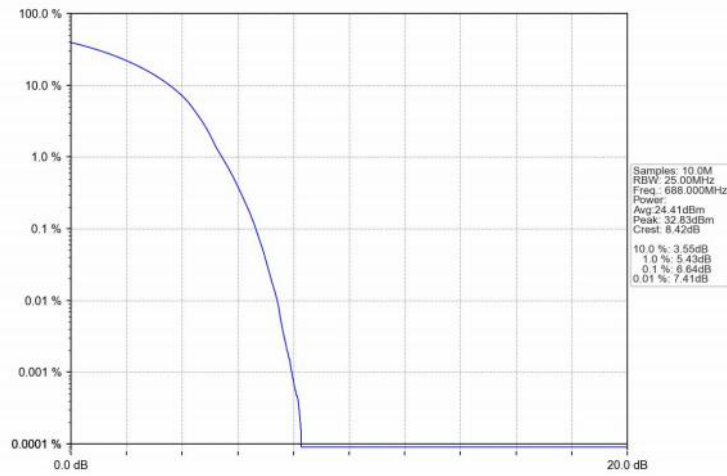
Band71\_20MHz\_16QAM\_LCH\_673MHz\_RB\_100\_0\_NTNV



Band71\_20MHz\_16QAM\_MCH\_683MHz\_RB\_100\_0\_NTNV



Band71\_20MHz\_16QAM\_HCH\_688MHz\_RB\_100\_0\_NTNV



## 6. Spurious Emission

### 6.1 Test Result

#### 6.1.1 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    |
|                                  | 695.5           | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                  |                 | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                  |                 |               | 24     | Refer To Test Graph |       | Pass    |
|                                  |                 | 25            | 0      | Refer To Test Graph |       | Pass    |
| 16QAM                            | 665.5           | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                  |                 | 25            | 0      | Refer To Test Graph |       | Pass    |
|                                  | 695.5           | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                  |                 | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                  |                 |               | 24     | Refer To Test Graph |       | Pass    |
|                                  |                 | 25            | 0      | Refer To Test Graph |       | Pass    |

#### 6.1.2 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    |
|                                   | 693             | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                   |                 | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                   |                 |               | 49     | Refer To Test Graph |       | Pass    |
|                                   |                 | 50            | 0      | Refer To Test Graph |       | Pass    |
| 16QAM                             | 668             | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                   |                 | 50            | 0      | Refer To Test Graph |       | Pass    |
|                                   | 693             | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                   |                 | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                   |                 |               | 49     | Refer To Test Graph |       | Pass    |
|                                   |                 | 50            | 0      | Refer To Test Graph |       | Pass    |

#### 6.1.3 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    |
|                                   | 690.5           | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                   |                 | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                   |                 |               | 74     | Refer To Test Graph |       | Pass    |
|                                   |                 | 75            | 0      | Refer To Test Graph |       | Pass    |
| 16QAM                             | 670.5           | 1             | 0      | Refer To Test Graph |       | Pass    |

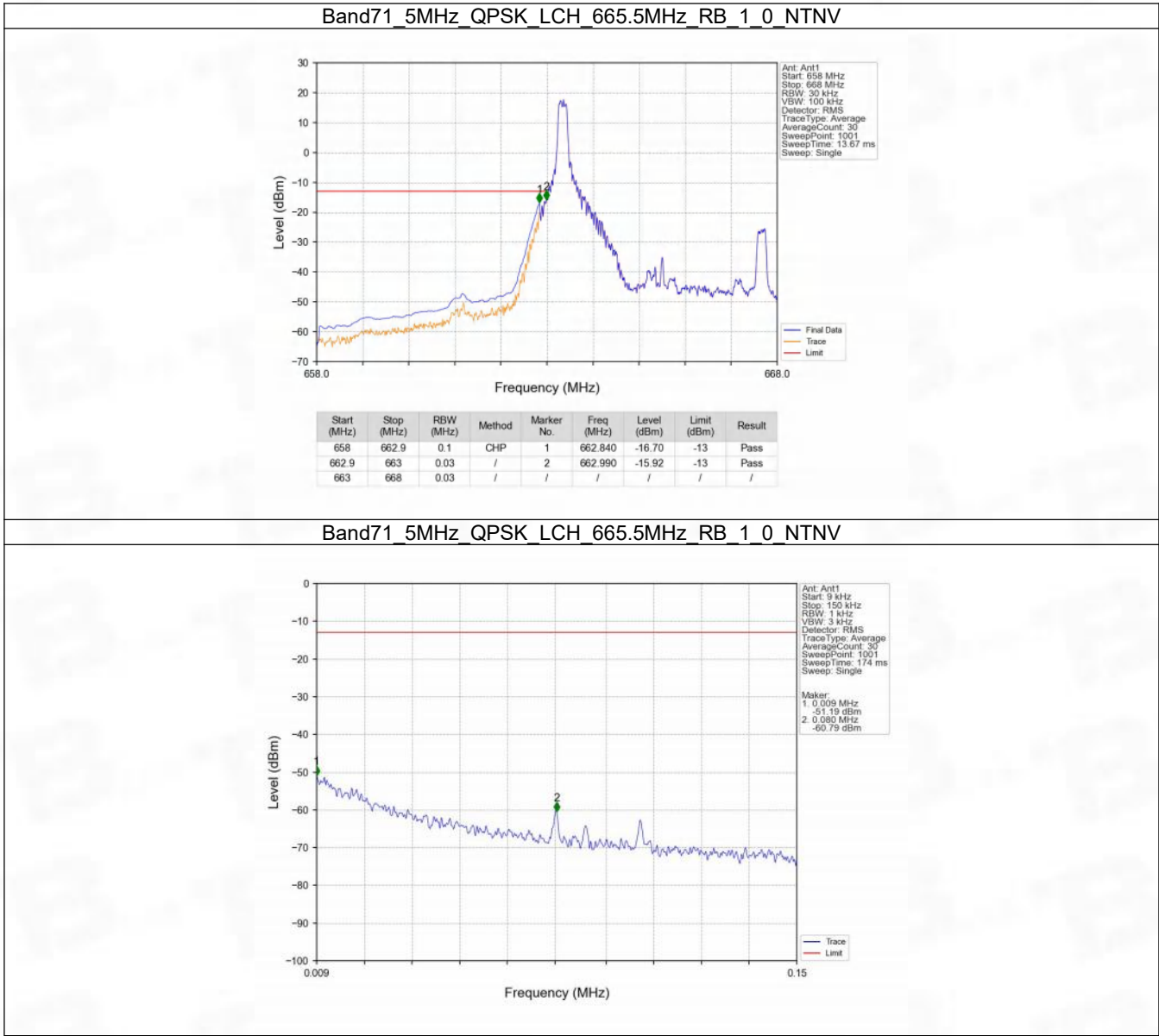
|  |       |    |    |                     |      |
|--|-------|----|----|---------------------|------|
|  | 680.5 | 75 | 0  | Refer To Test Graph | Pass |
|  |       | 1  | 0  | Refer To Test Graph | Pass |
|  | 690.5 | 1  | 0  | Refer To Test Graph | Pass |
|  |       |    | 74 | Refer To Test Graph | Pass |
|  |       | 75 | 0  | Refer To Test Graph | Pass |

#### 6.1.4 B71\_20MHz

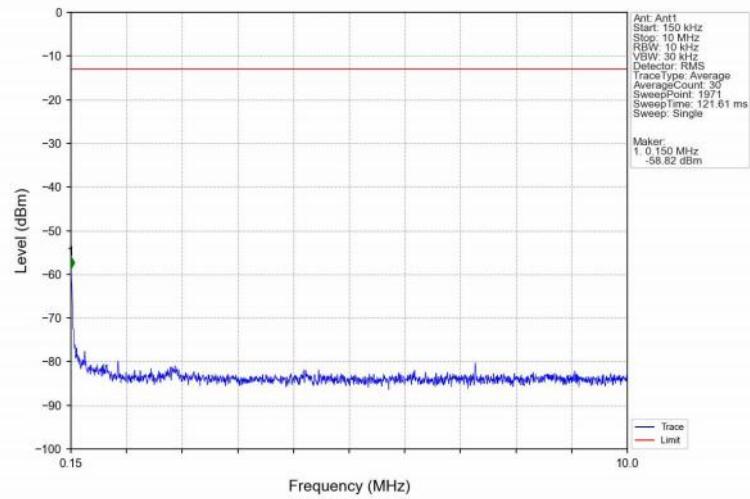
| Band: 71 / Bandwidth: 20MHz / NTV |                 |               |        |                     |       |         |
|-----------------------------------|-----------------|---------------|--------|---------------------|-------|---------|
| Modulation                        | Frequency (MHz) | RB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

6.2 Test Graph

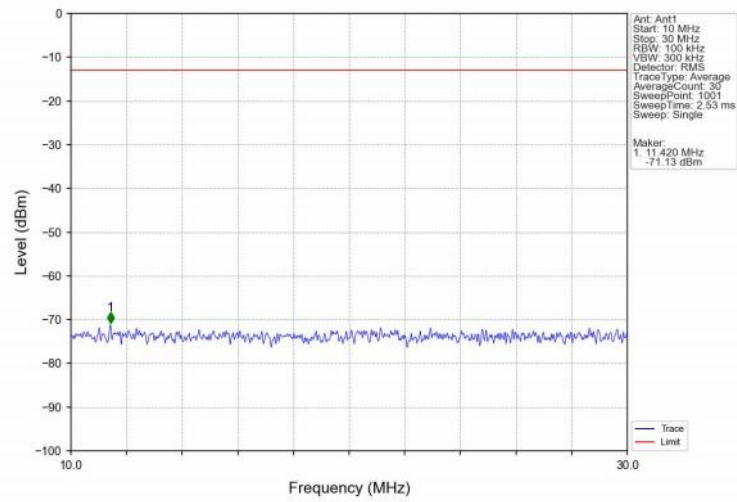
6.2.1 B71\_5MHz



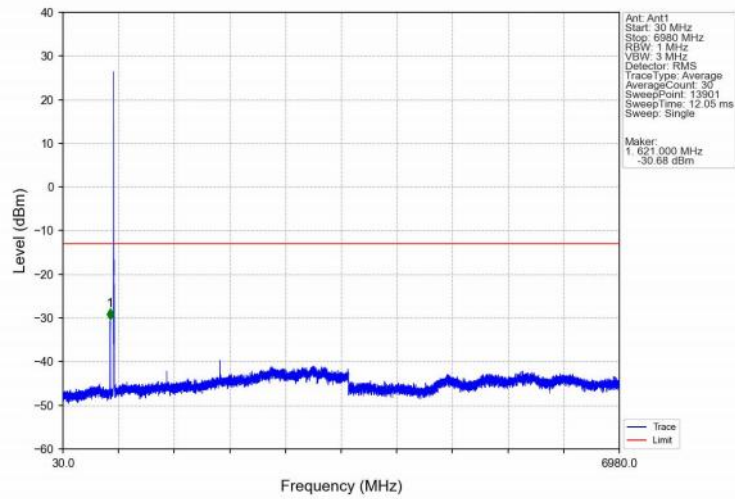
Band71\_5MHz\_QPSK\_LCH\_665.5MHz\_RB\_1\_0\_NTNV



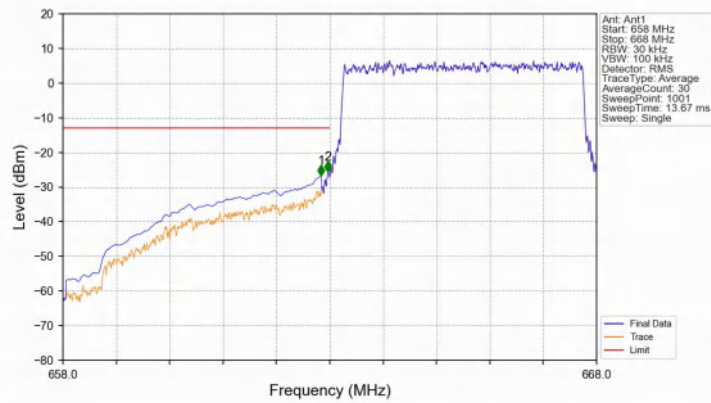
Band71\_5MHz\_QPSK\_LCH\_665.5MHz\_RB\_1\_0\_NTNV



Band71\_5MHz\_QPSK\_LCH\_665.5MHz\_RB\_1\_0\_NTNV

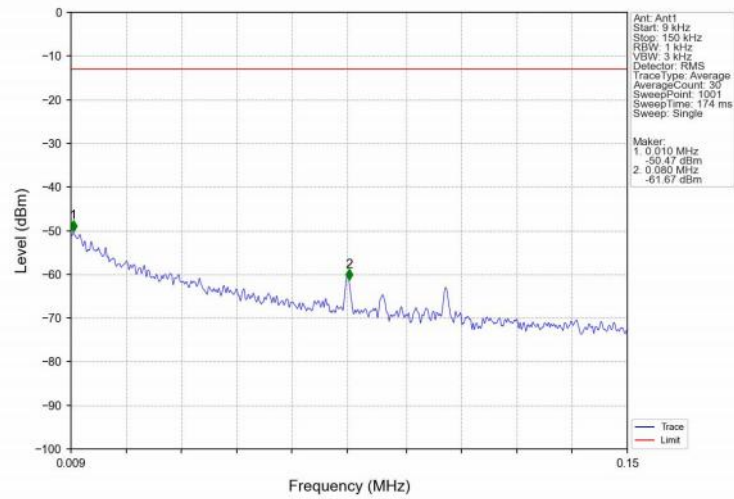


Band71\_5MHz\_QPSK\_LCH\_665.5MHz\_RB\_25\_0\_NTNV

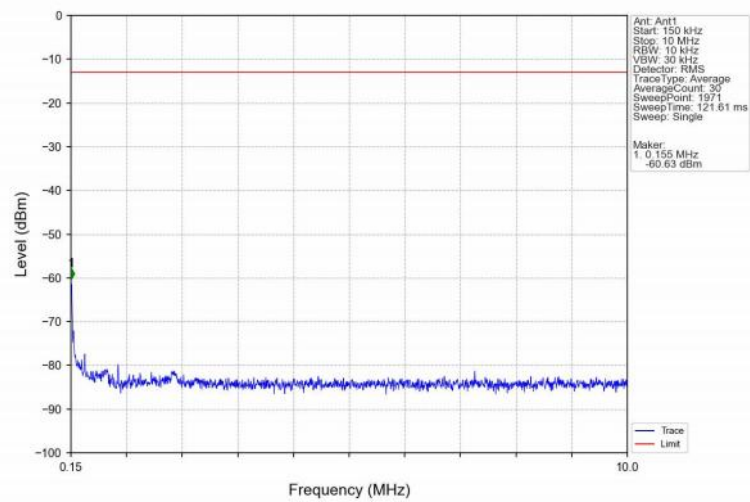


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 658         | 662.9      | 0.1       | CHP    | 1          | 662.840    | -26.80      | -13         | Pass   |
| 662.9       | 663        | 0.03      | /      | 2          | 662.970    | -25.60      | -13         | Pass   |
| 663         | 668        | 0.03      | /      | /          | /          | /           | /           | /      |

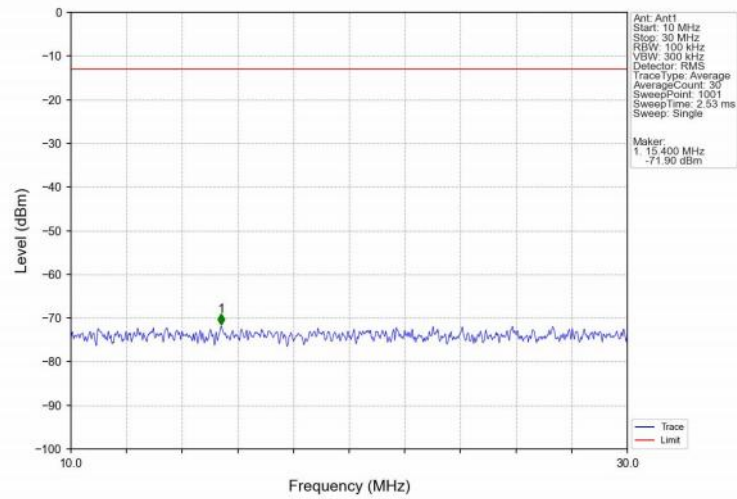
Band71\_5MHz\_QPSK\_MCH\_680.5MHz\_RB\_1\_0\_NTNV



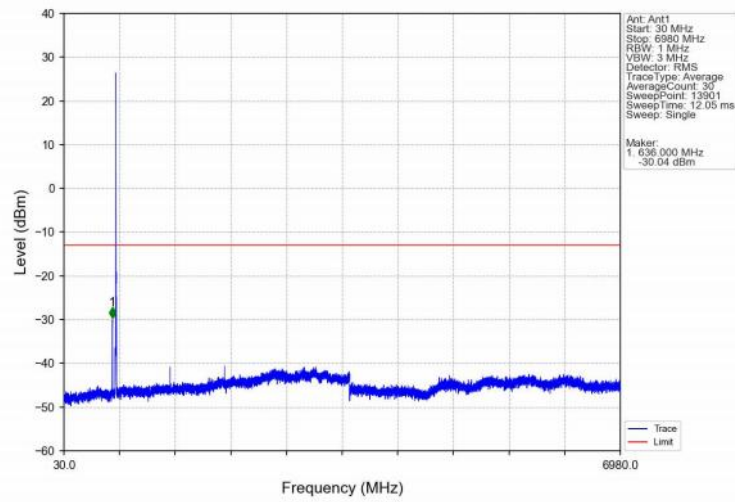
Band71\_5MHz\_QPSK\_MCH\_680.5MHz\_RB\_1\_0\_NTNV



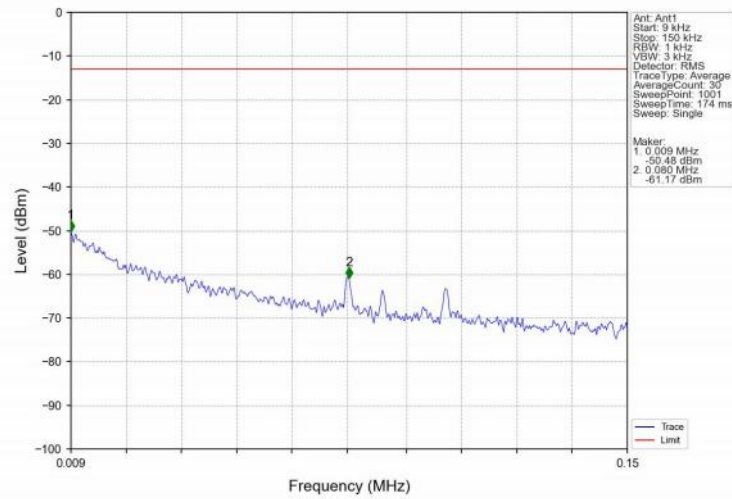
Band71\_5MHz\_QPSK\_MCH\_680.5MHz\_RB\_1\_0\_NTNV



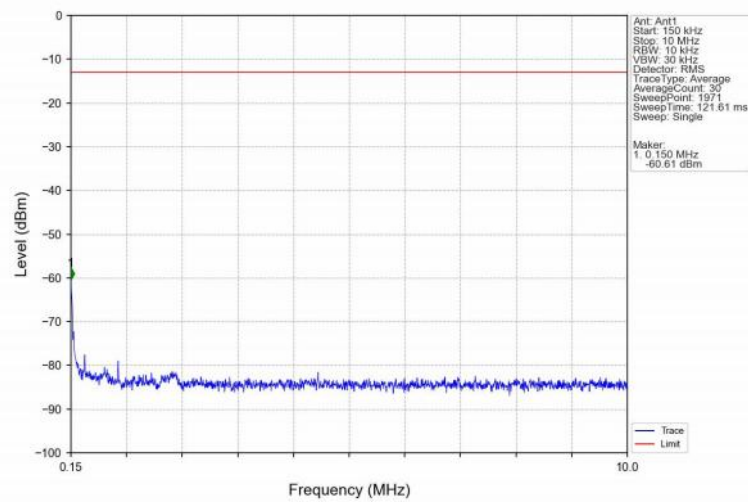
Band71\_5MHz\_QPSK\_MCH\_680.5MHz\_RB\_1\_0\_NTNV



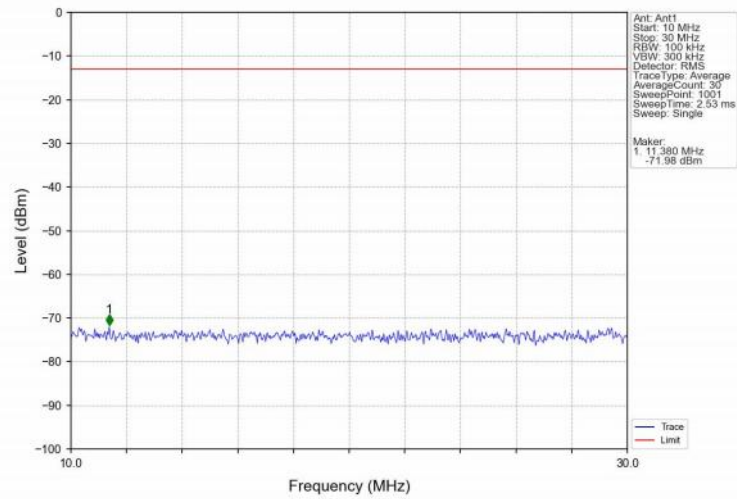
Band71\_5MHz\_QPSK\_HCH\_695.5MHz\_RB\_1\_0\_NTNV



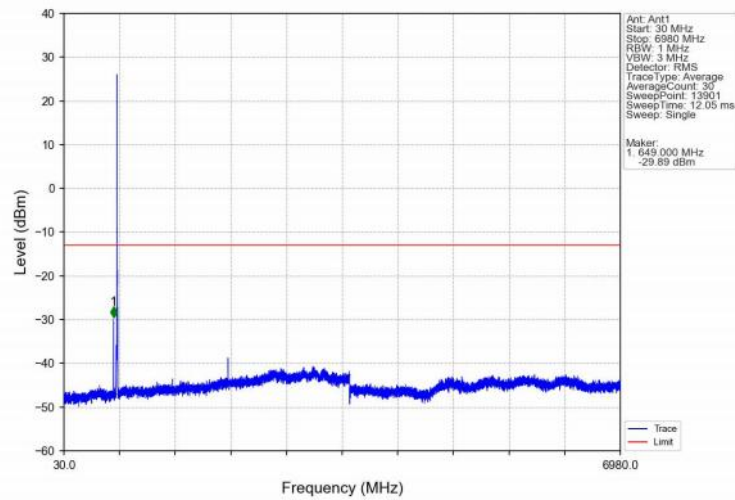
Band71\_5MHz\_QPSK\_HCH\_695.5MHz\_RB\_1\_0\_NTNV



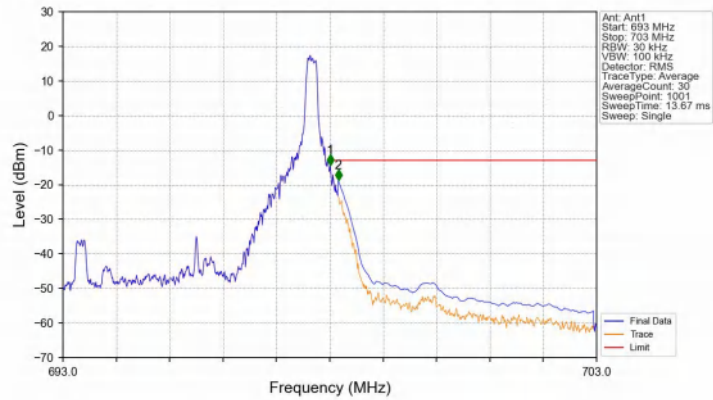
Band71\_5MHz\_QPSK\_HCH\_695.5MHz\_RB\_1\_0\_NTNV



Band71\_5MHz\_QPSK\_HCH\_695.5MHz\_RB\_1\_0\_NTNV

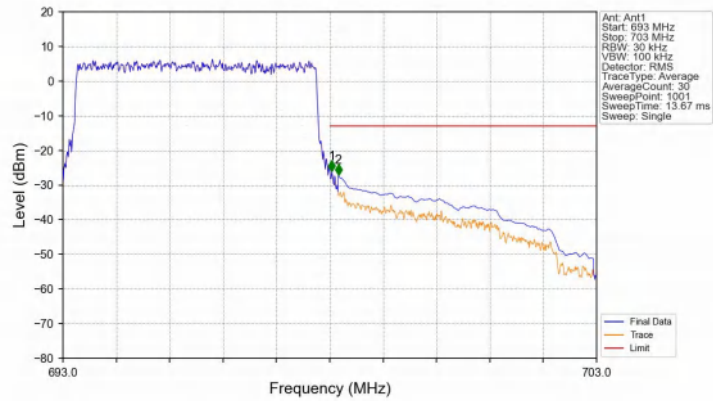


# Band71\_5MHz\_QPSK\_HCH\_695.5MHz\_RB\_1\_24\_NTNV



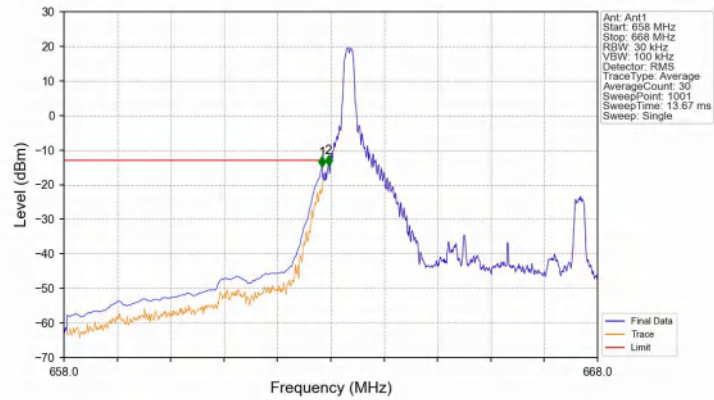
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 693         | 698        | 0.03      | /      | /          | /          | /           | /           | /      |
| 698         | 698.1      | 0.03      | /      | 1          | 698.010    | -14.42      | -13         | Pass   |
| 698.1       | 703        | 0.1       | CHP    | 2          | 698.160    | -18.76      | -13         | Pass   |

# Band71\_5MHz\_QPSK\_HCH\_695.5MHz\_RB\_25\_0\_NTNV



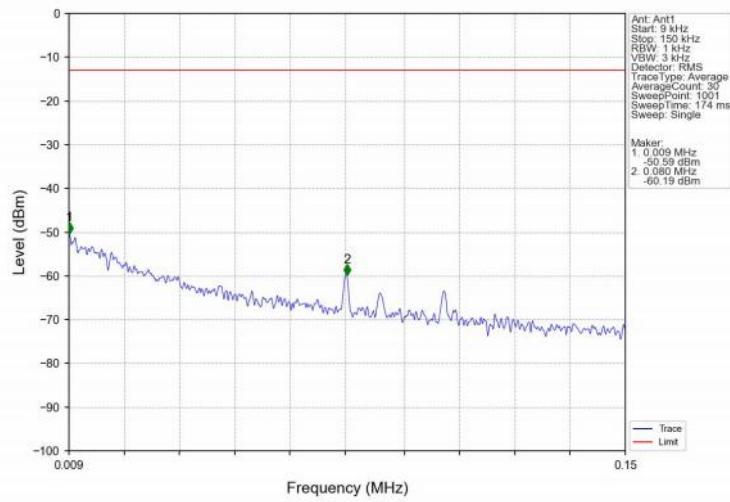
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 693         | 698        | 0.03      | /      | /          | /          | /           | /           | /      |
| 698         | 698.1      | 0.03      | /      | 1          | 698.040    | -25.96      | -13         | Pass   |
| 698.1       | 703        | 0.1       | CHP    | 2          | 698.160    | -27.14      | -13         | Pass   |

# Band71\_5MHz\_16QAM\_LCH\_665.5MHz\_RB\_1\_0\_NTNV

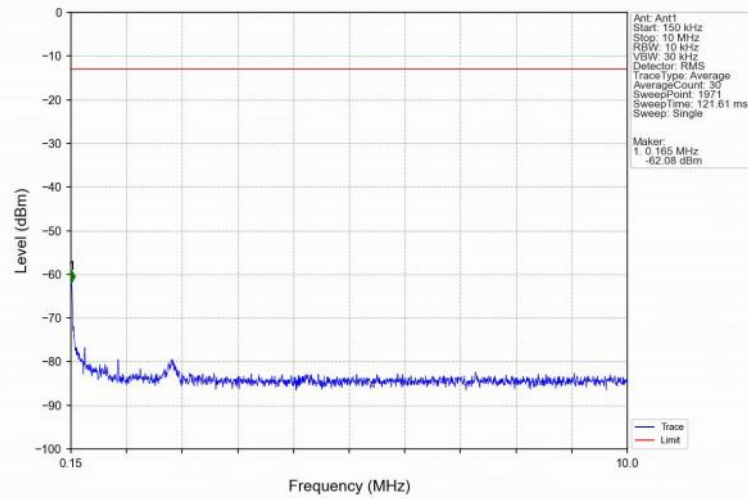


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 658         | 662.9      | 0.1       | CHP    | 1          | 662.840    | -14.97      | -13         | Pass   |
| 662.9       | 663        | 0.03      | /      | 2          | 662.960    | -14.48      | -13         | Pass   |
| 663         | 668        | 0.03      | /      | /          | /          | /           | /           | /      |

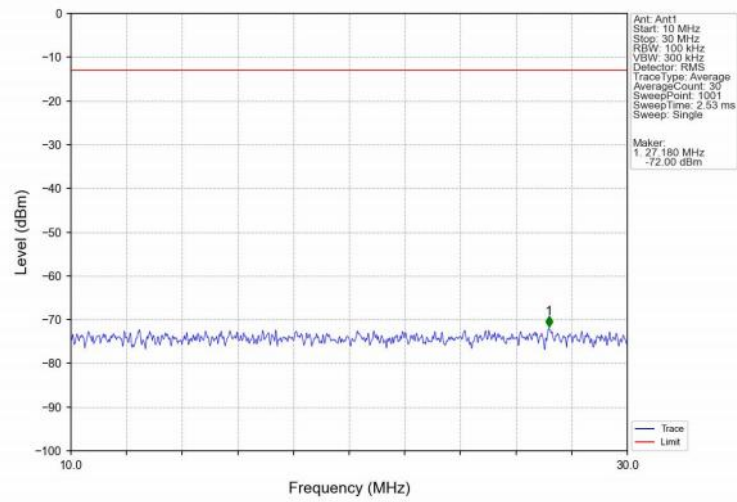
# Band71\_5MHz\_16QAM\_LCH\_665.5MHz\_RB\_1\_0\_NTNV



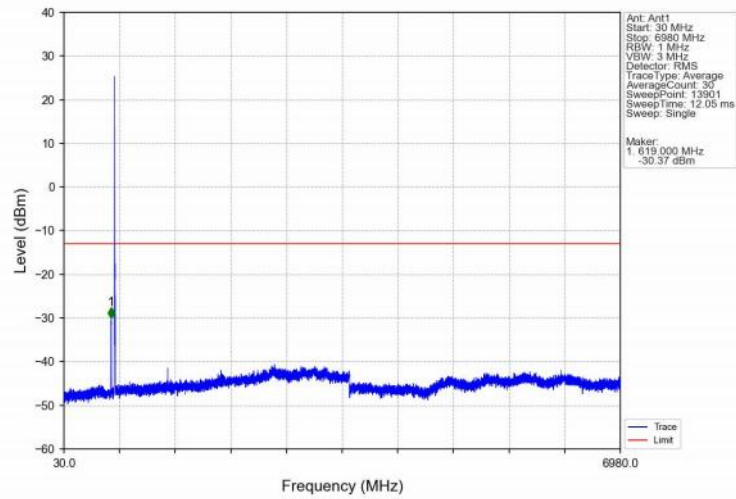
Band71\_5MHz\_16QAM\_LCH\_665.5MHz\_RB\_1\_0\_NTNV



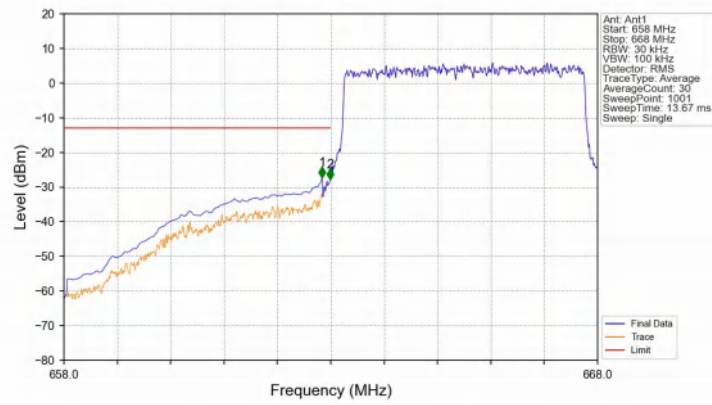
Band71\_5MHz\_16QAM\_LCH\_665.5MHz\_RB\_1\_0\_NTNV



# Band71\_5MHz\_16QAM\_LCH\_665.5MHz\_RB\_1\_0\_NTNV

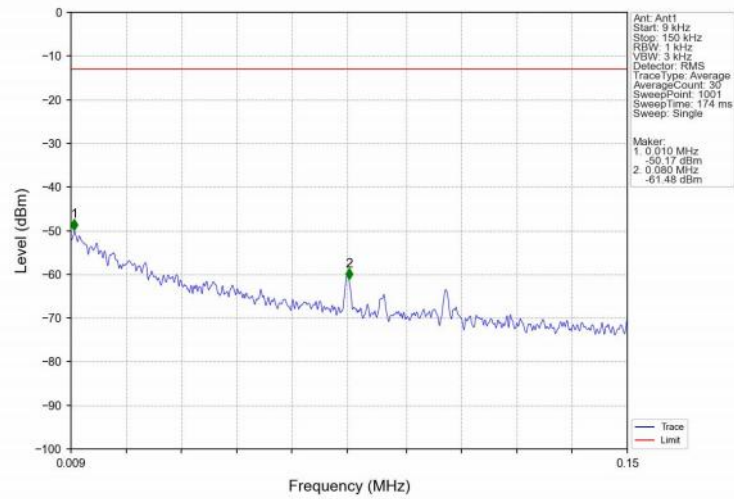


# Band71\_5MHz\_16QAM\_LCH\_665.5MHz\_RB\_25\_0\_NTNV

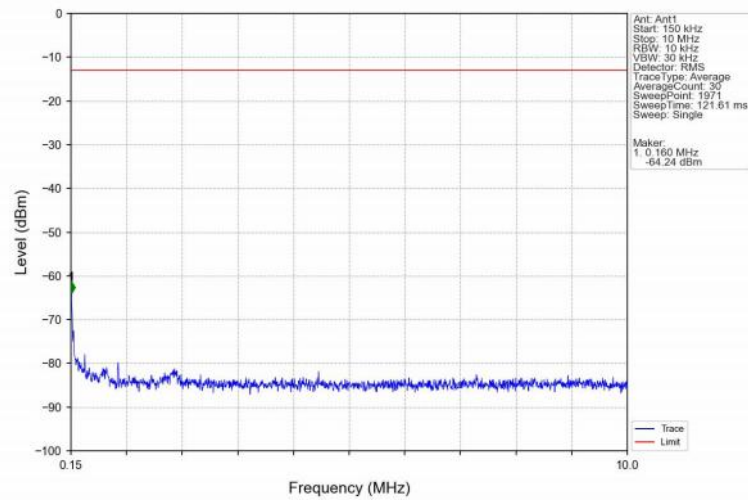


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 658         | 662.9      | 0.1       | CHP    | 1          | 662.840    | -27.27      | -13         | Pass   |
| 662.9       | 663        | 0.03      | /      | 2          | 662.990    | -27.88      | -13         | Pass   |
| 663         | 668        | 0.03      | /      | /          | /          | /           | /           | /      |

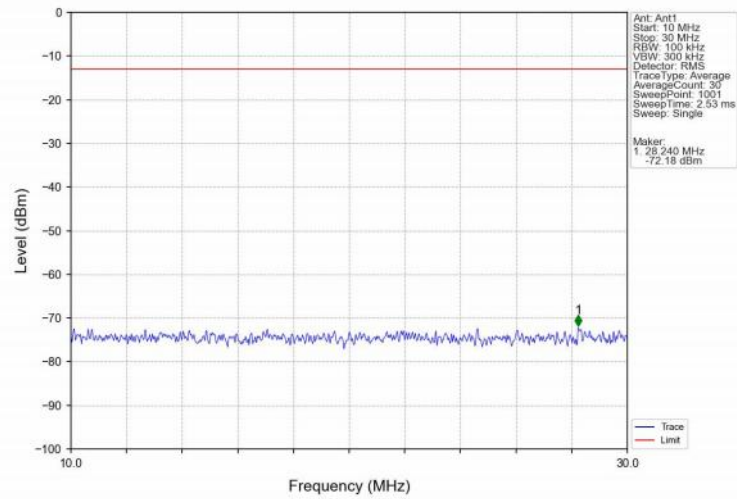
Band71\_5MHz\_16QAM\_MCH\_680.5MHz\_RB\_1\_0\_NTNV



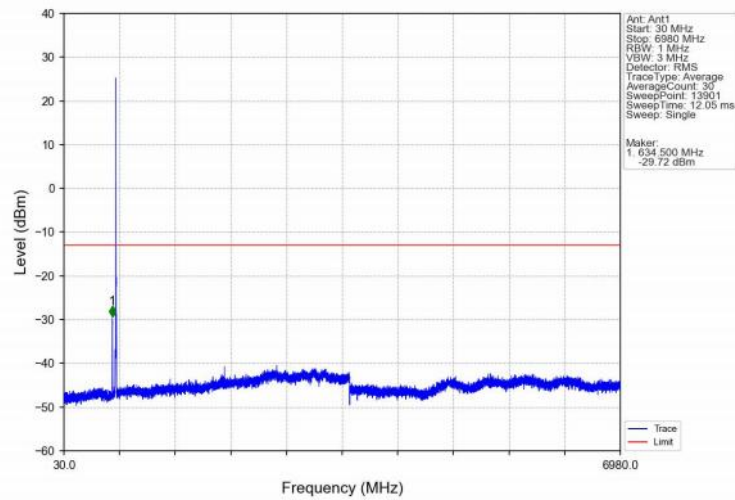
Band71\_5MHz\_16QAM\_MCH\_680.5MHz\_RB\_1\_0\_NTNV



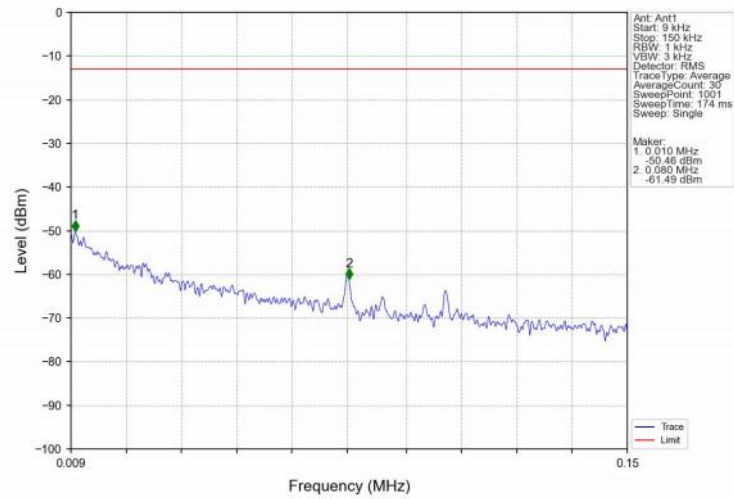
Band71\_5MHz\_16QAM\_MCH\_680.5MHz\_RB\_1\_0\_NTNV



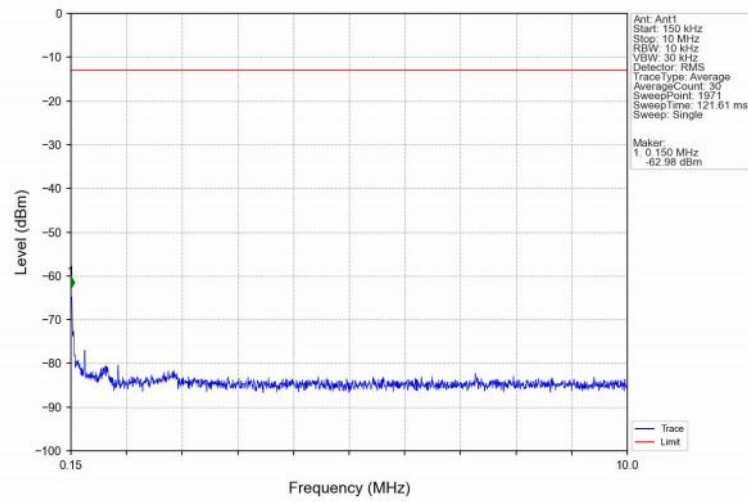
Band71\_5MHz\_16QAM\_MCH\_680.5MHz\_RB\_1\_0\_NTNV



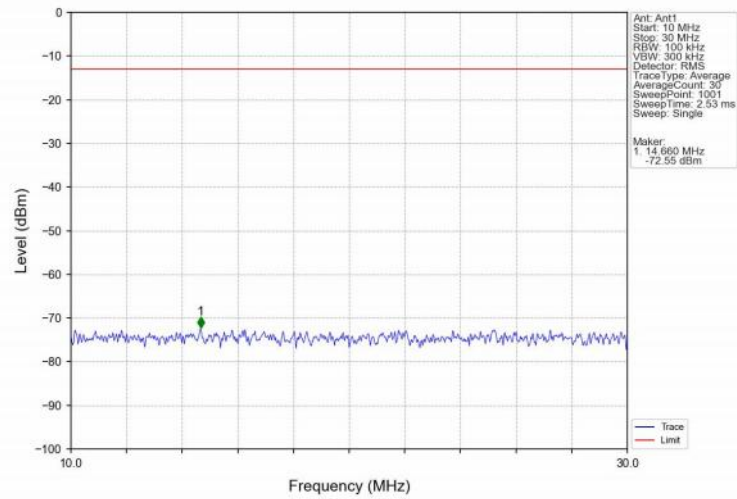
Band71\_5MHz\_16QAM\_HCH\_695.5MHz\_RB\_1\_0\_NTNV



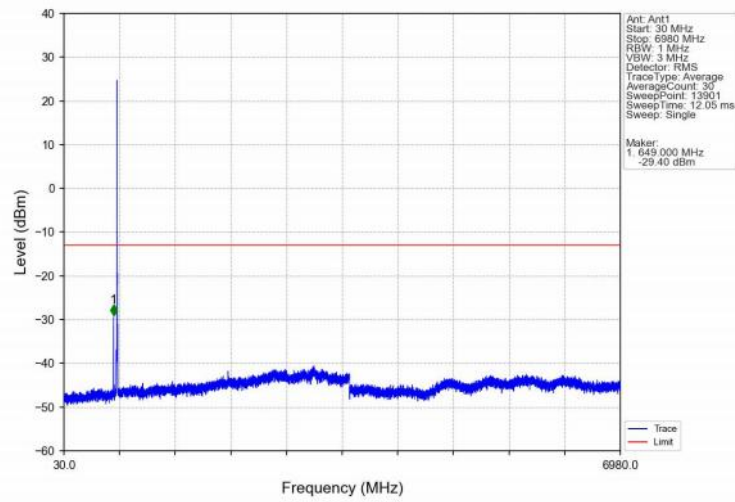
Band71\_5MHz\_16QAM\_HCH\_695.5MHz\_RB\_1\_0\_NTNV



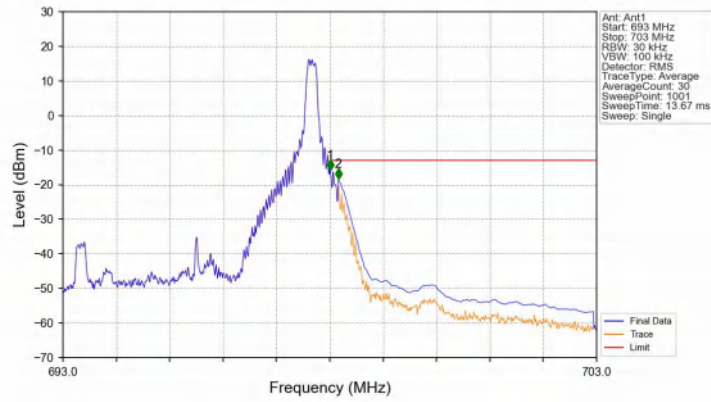
Band71\_5MHz\_16QAM\_HCH\_695.5MHz\_RB\_1\_0\_NTNV



Band71\_5MHz\_16QAM\_HCH\_695.5MHz\_RB\_1\_0\_NTNV

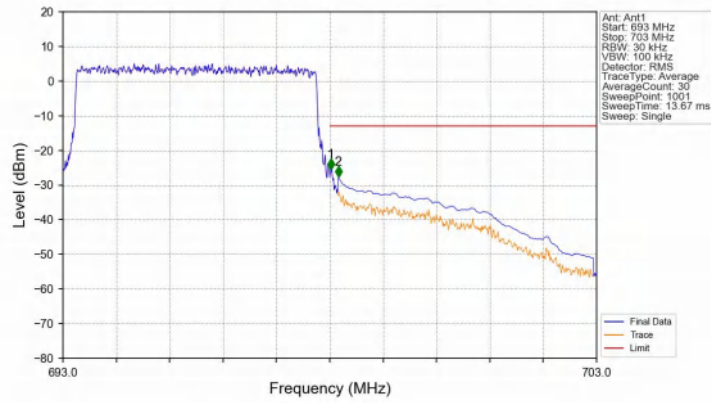


Band71\_5MHz\_16QAM\_HCH\_695.5MHz\_RB\_1\_24\_NTNV



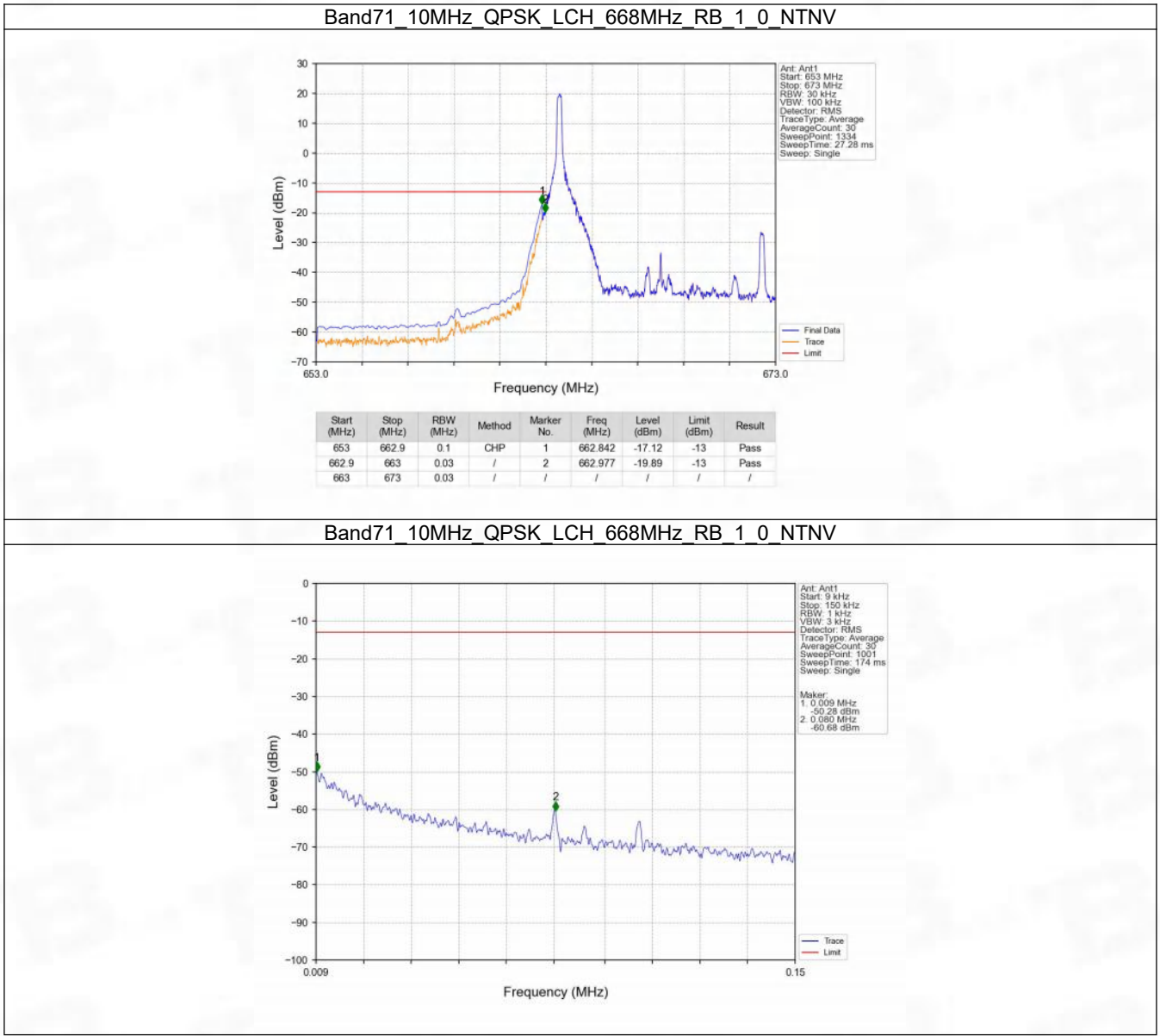
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 693         | 698        | 0.03      | /      | /          | /          | /           | /           | /      |
| 698         | 698.1      | 0.03      | /      | 1          | 698.010    | -15.91      | -13         | Pass   |
| 698.1       | 703        | 0.1       | CHP    | 2          | 698.160    | -18.41      | -13         | Pass   |

Band71\_5MHz\_16QAM\_HCH\_695.5MHz\_RB\_25\_0\_NTNV

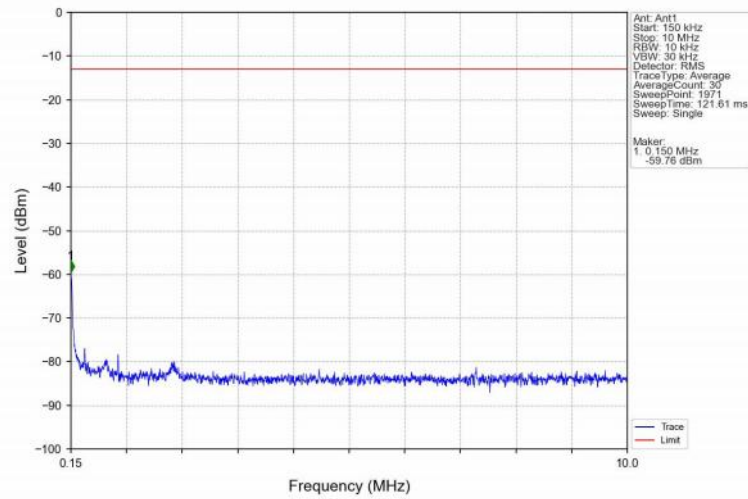


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 693         | 698        | 0.03      | /      | /          | /          | /           | /           | /      |
| 698         | 698.1      | 0.03      | /      | 1          | 698.020    | -25.55      | -13         | Pass   |
| 698.1       | 703        | 0.1       | CHP    | 2          | 698.160    | -27.69      | -13         | Pass   |

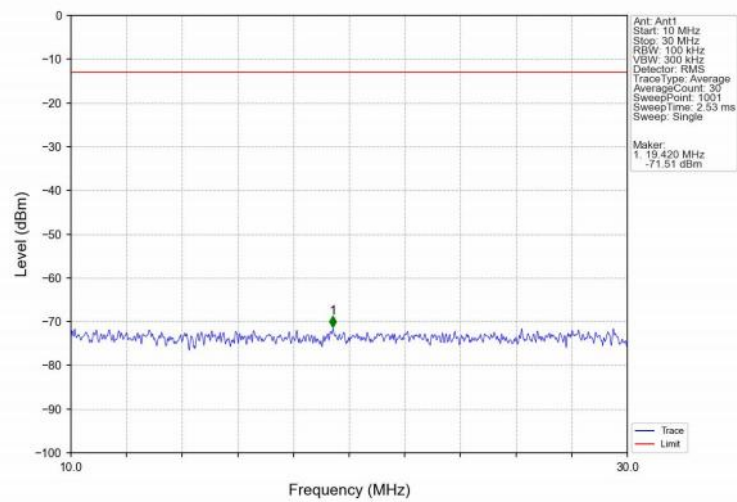
6.2.2 B71\_10MHz



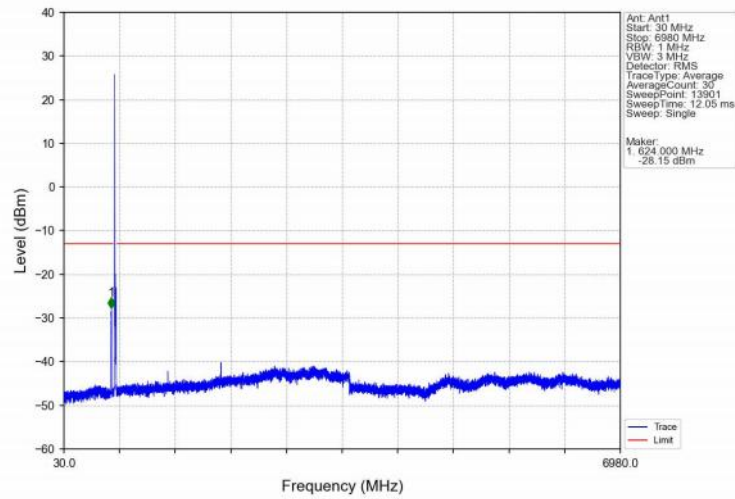
Band71\_10MHz\_QPSK\_LCH\_668MHz\_RB\_1\_0\_NTNV



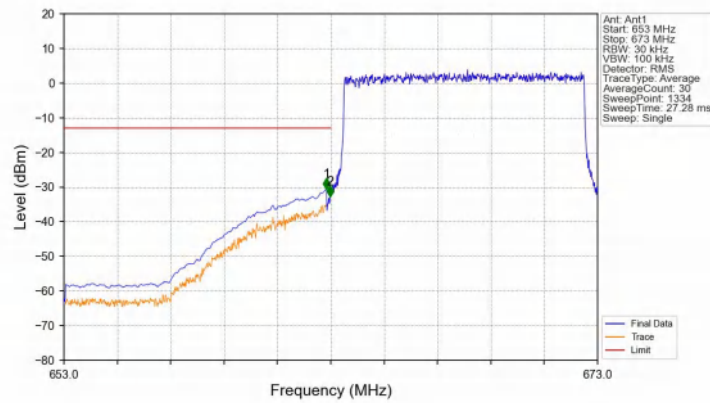
Band71\_10MHz\_QPSK\_LCH\_668MHz\_RB\_1\_0\_NTNV



Band71\_10MHz\_QPSK\_LCH\_668MHz\_RB\_1\_0\_NTNV

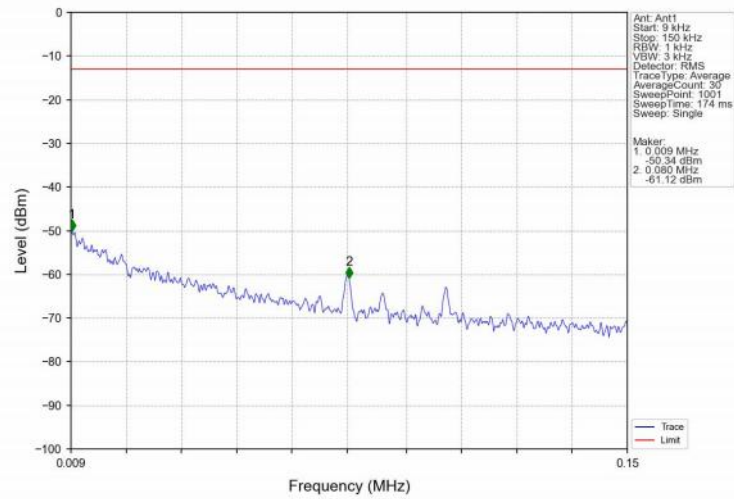


Band71\_10MHz\_QPSK\_LCH\_668MHz\_RB\_50\_0\_NTNV

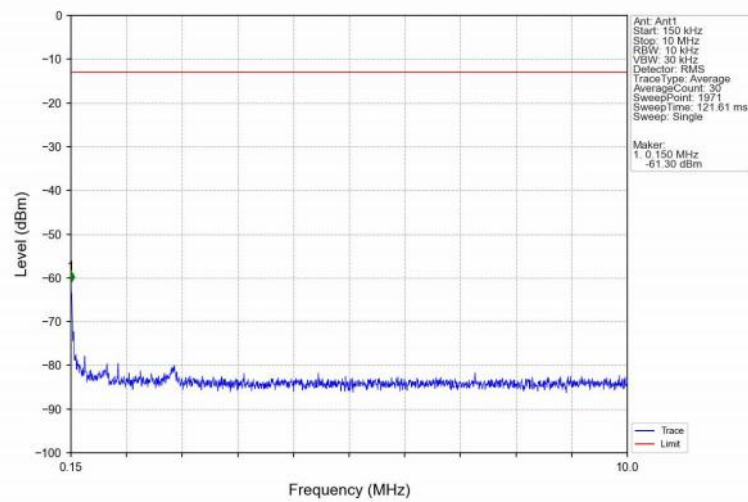


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 653         | 662.9      | 0.1       | CHP    | 1          | 662.842    | -30.62      | -13         | Pass   |
| 662.9       | 663        | 0.03      | /      | 2          | 662.977    | -32.81      | -13         | Pass   |
| 663         | 673        | 0.03      | /      | /          | /          | /           | /           | /      |

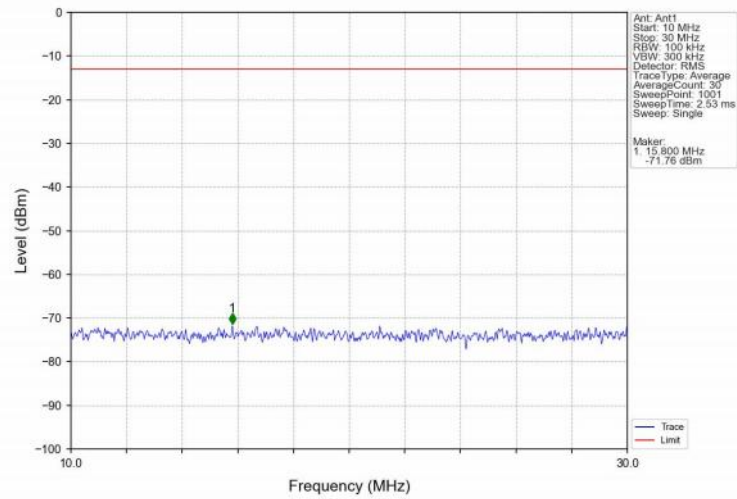
Band71\_10MHz\_QPSK\_MCH\_680.5MHz\_RB\_1\_0\_NTNV



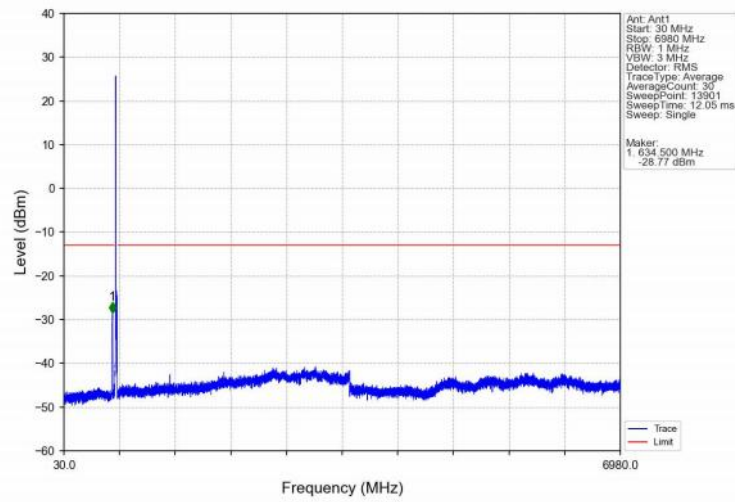
Band71\_10MHz\_QPSK\_MCH\_680.5MHz\_RB\_1\_0\_NTNV



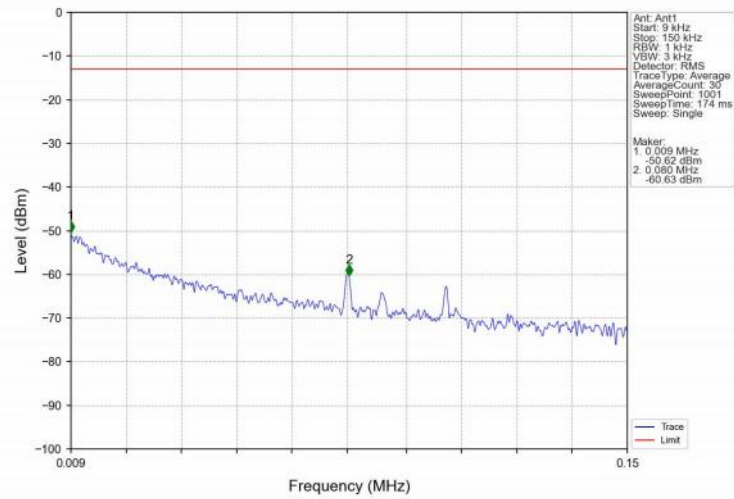
Band71\_10MHz\_QPSK\_MCH\_680.5MHz\_RB\_1\_0\_NTNV



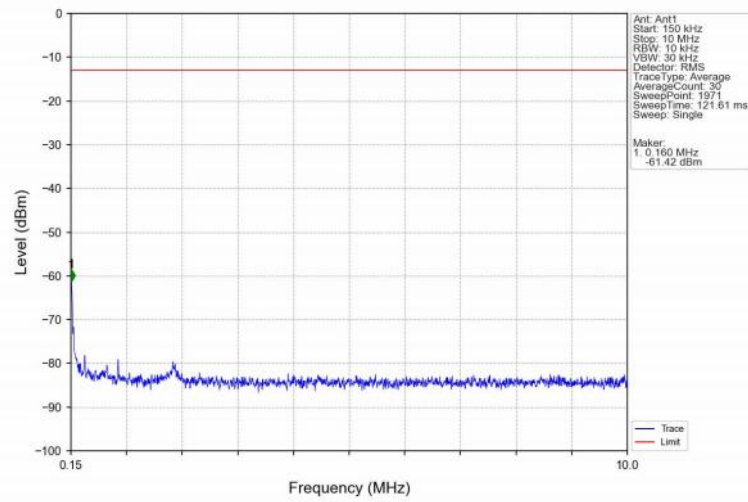
Band71\_10MHz\_QPSK\_MCH\_680.5MHz\_RB\_1\_0\_NTNV



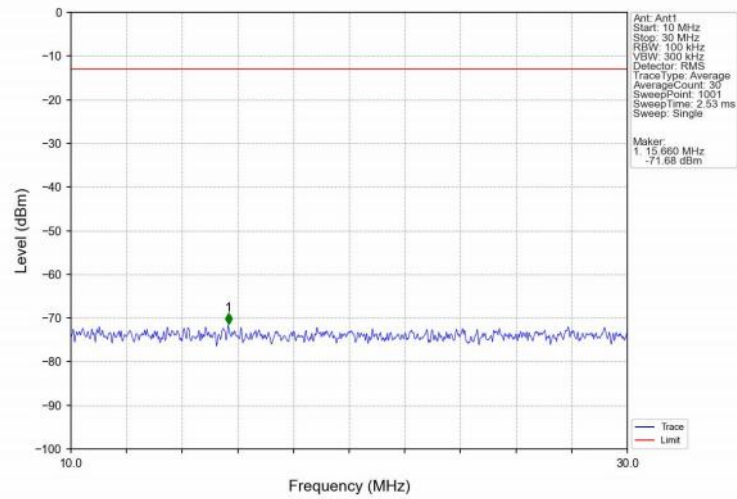
Band71\_10MHz\_QPSK\_HCH\_693MHz\_RB\_1\_0\_NTNV



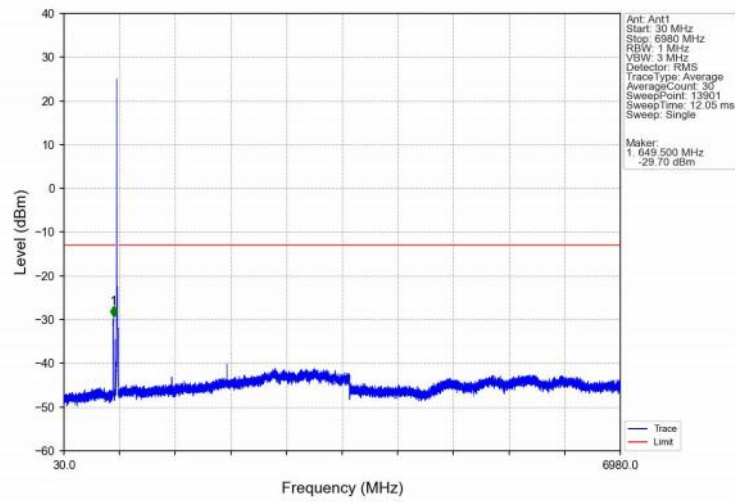
Band71\_10MHz\_QPSK\_HCH\_693MHz\_RB\_1\_0\_NTNV



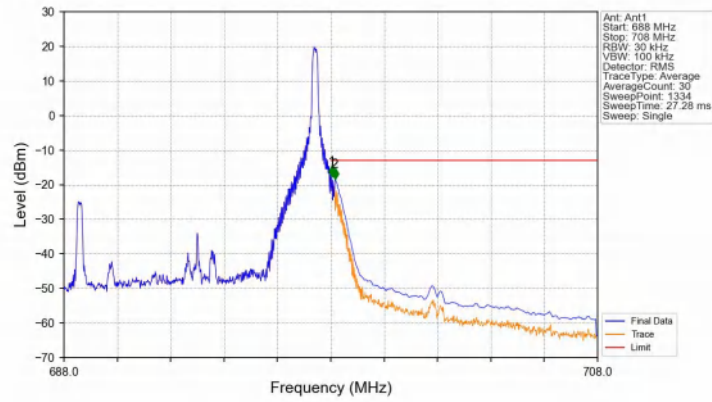
Band71\_10MHz\_QPSK\_HCH\_693MHz\_RB\_1\_0\_NTNV



Band71\_10MHz\_QPSK\_HCH\_693MHz\_RB\_1\_0\_NTNV

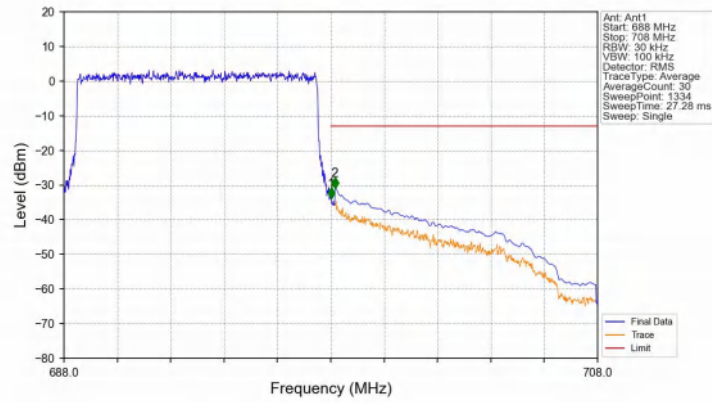


# Band71\_10MHz\_QPSK\_HCH\_693MHz\_RB\_1\_49\_NTNV



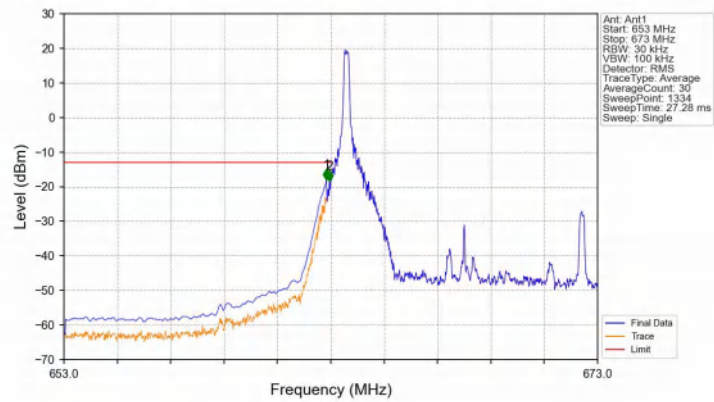
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 688         | 698        | 0.03      | /      | /          | /          | /           | /           | /      |
| 688         | 698.1      | 0.03      | /      | 1          | 698.038    | -17.71      | -13         | Pass   |
| 698.1       | 708        | 0.1       | CHP    | 2          | 698.158    | -18.32      | -13         | Pass   |

# Band71\_10MHz\_QPSK\_HCH\_693MHz\_RB\_50\_0\_NTNV

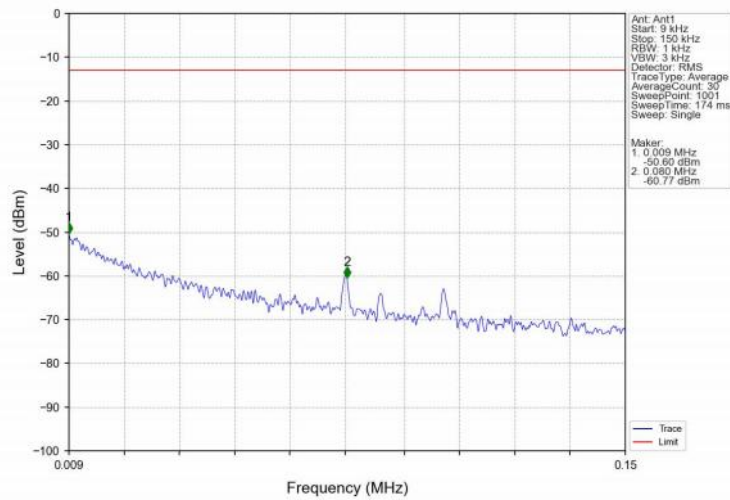


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 688         | 698        | 0.03      | /      | /          | /          | /           | /           | /      |
| 688         | 698.1      | 0.03      | /      | 1          | 698.023    | -33.82      | -13         | Pass   |
| 698.1       | 708        | 0.1       | CHP    | 2          | 698.158    | -30.87      | -13         | Pass   |

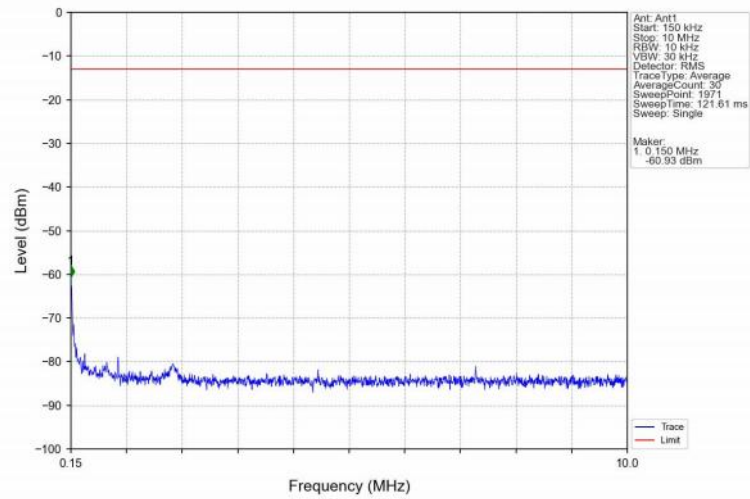
# Band71\_10MHz\_16QAM\_LCH\_668MHz\_RB\_1\_0\_NTNV



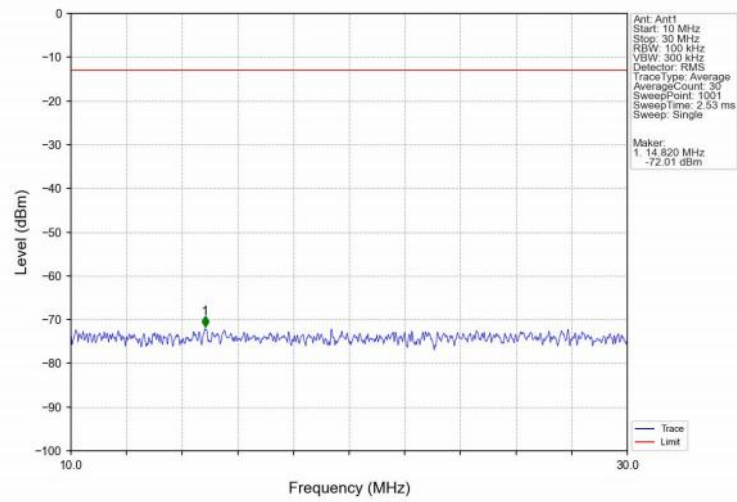
# Band71\_10MHz\_16QAM\_LCH\_668MHz\_RB\_1\_0\_NTNV



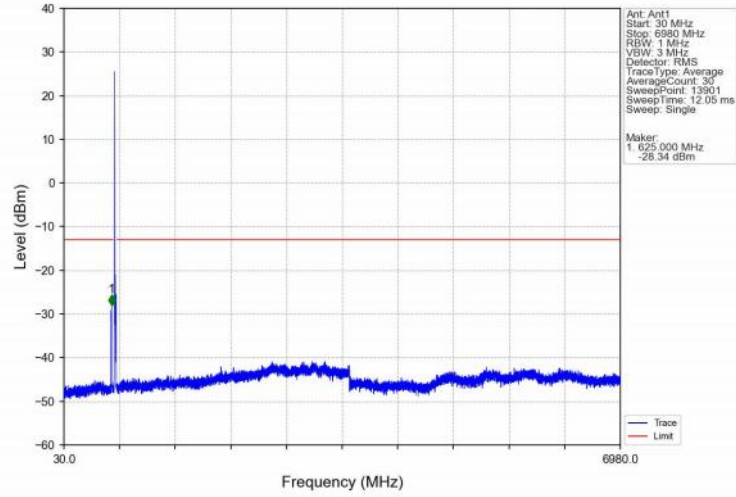
Band71\_10MHz\_16QAM\_LCH\_668MHz\_RB\_1\_0\_NTNV



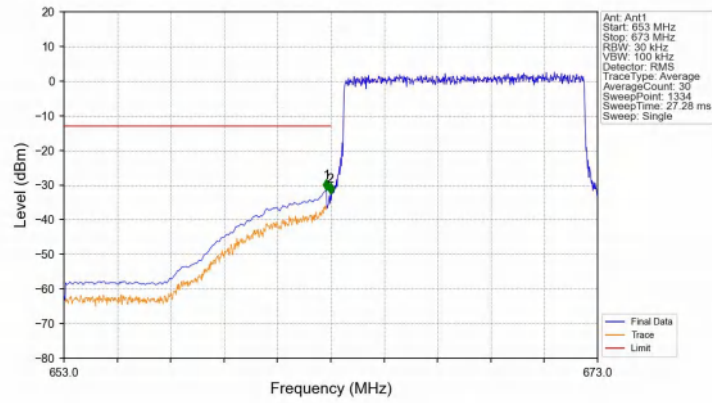
Band71\_10MHz\_16QAM\_LCH\_668MHz\_RB\_1\_0\_NTNV



Band71\_10MHz\_16QAM\_LCH\_668MHz\_RB\_1\_0\_NTNV

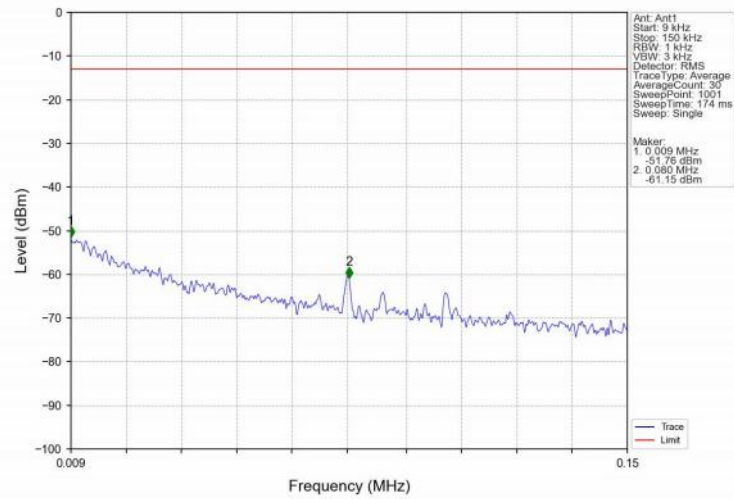


Band71\_10MHz\_16QAM\_LCH\_668MHz\_RB\_50\_0\_NTNV

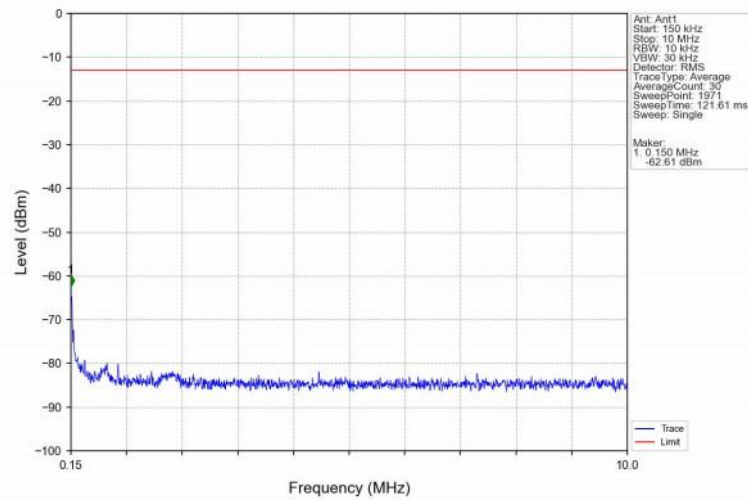


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 653         | 662.9      | 0.1       | CHP    | 1          | 662.842    | -31.57      | -13         | Pass   |
| 662.9       | 663        | 0.03      | /      | 2          | 662.992    | -32.67      | -13         | Pass   |
| 663         | 673        | 0.03      | /      | /          | /          | /           | /           | /      |

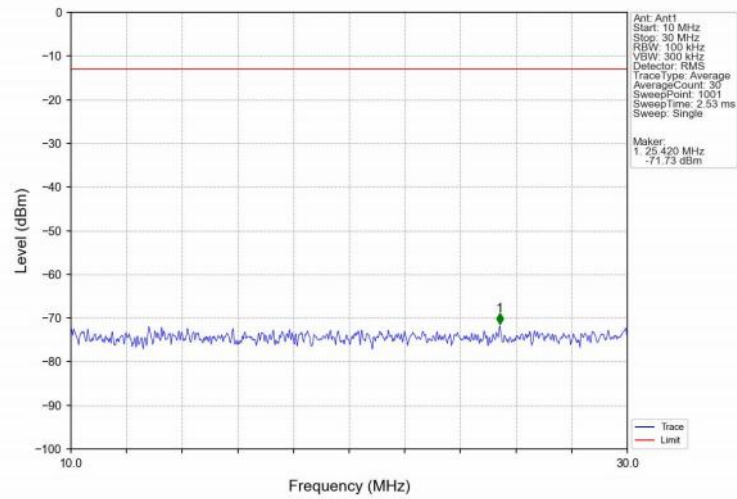
Band71\_10MHz\_16QAM\_MCH\_680.5MHz\_RB\_1\_0\_NTNV



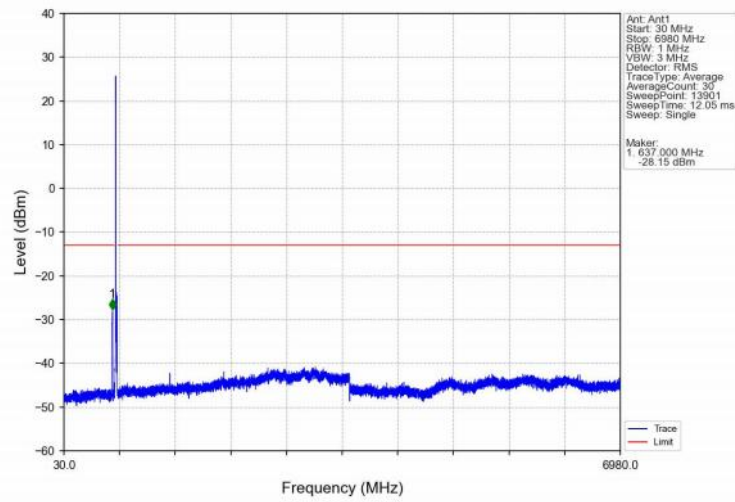
Band71\_10MHz\_16QAM\_MCH\_680.5MHz\_RB\_1\_0\_NTNV



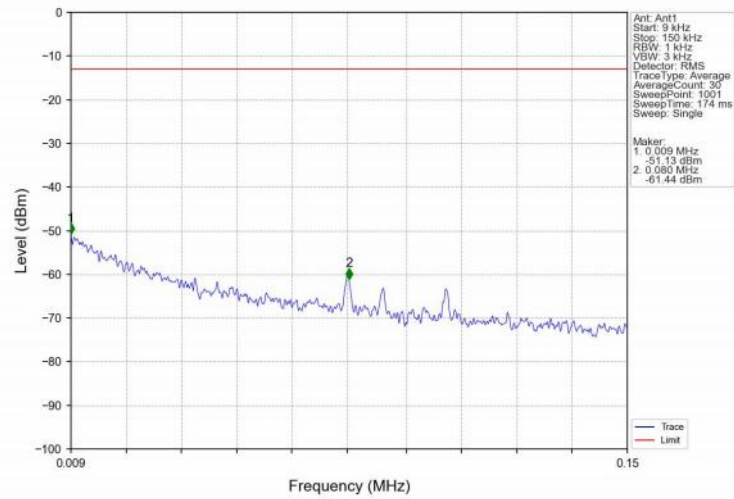
Band71\_10MHz\_16QAM\_MCH\_680.5MHz\_RB\_1\_0\_NTNV



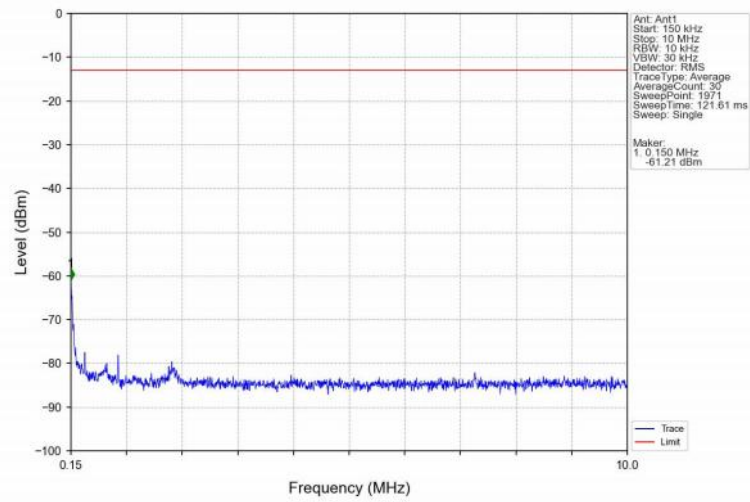
Band71\_10MHz\_16QAM\_MCH\_680.5MHz\_RB\_1\_0\_NTNV



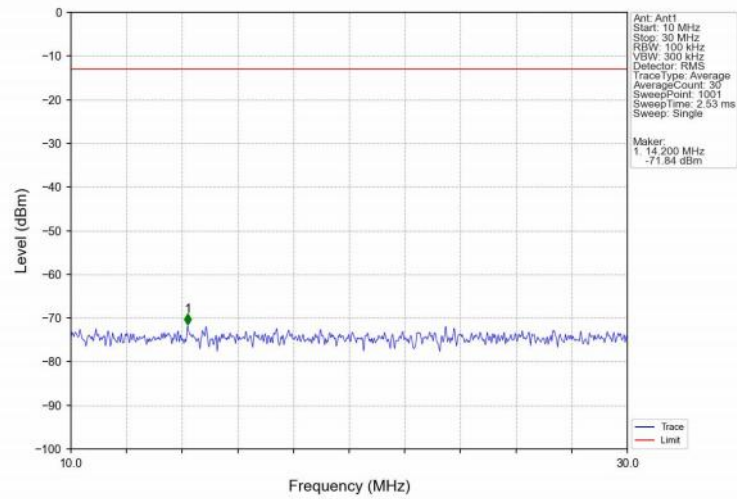
Band71\_10MHz\_16QAM\_HCH\_693MHz\_RB\_1\_0\_NTNV



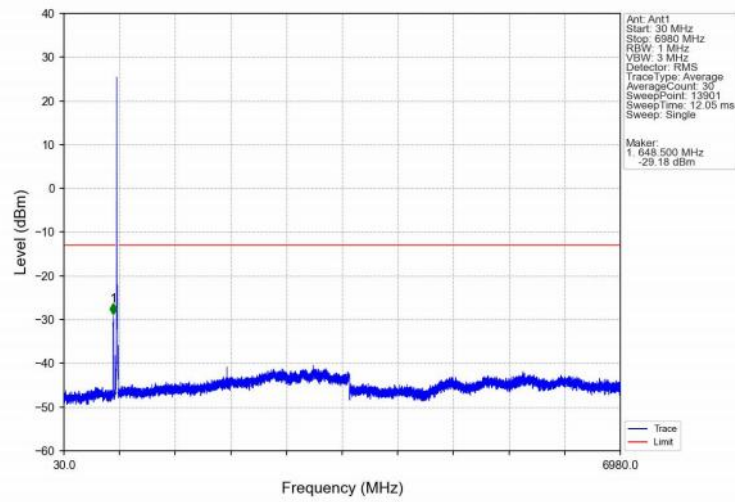
Band71\_10MHz\_16QAM\_HCH\_693MHz\_RB\_1\_0\_NTNV



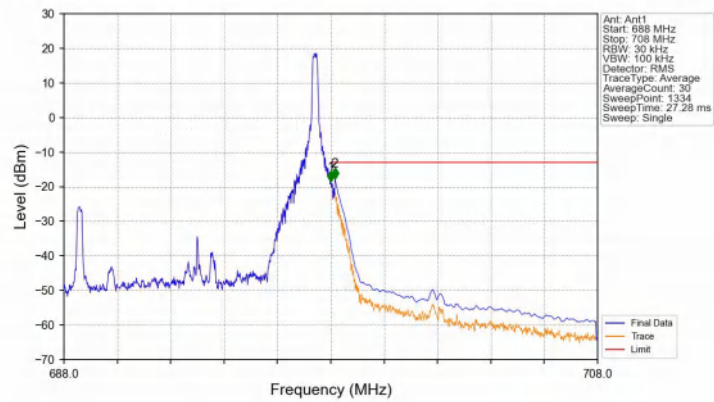
Band71\_10MHz\_16QAM\_HCH\_693MHz\_RB\_1\_0\_NTNV



Band71\_10MHz\_16QAM\_HCH\_693MHz\_RB\_1\_0\_NTNV

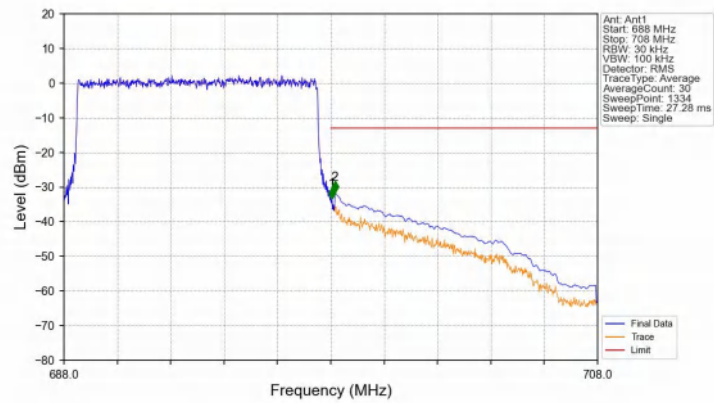


Band71\_10MHz\_16QAM\_HCH\_693MHz\_RB\_1\_49\_NTNV



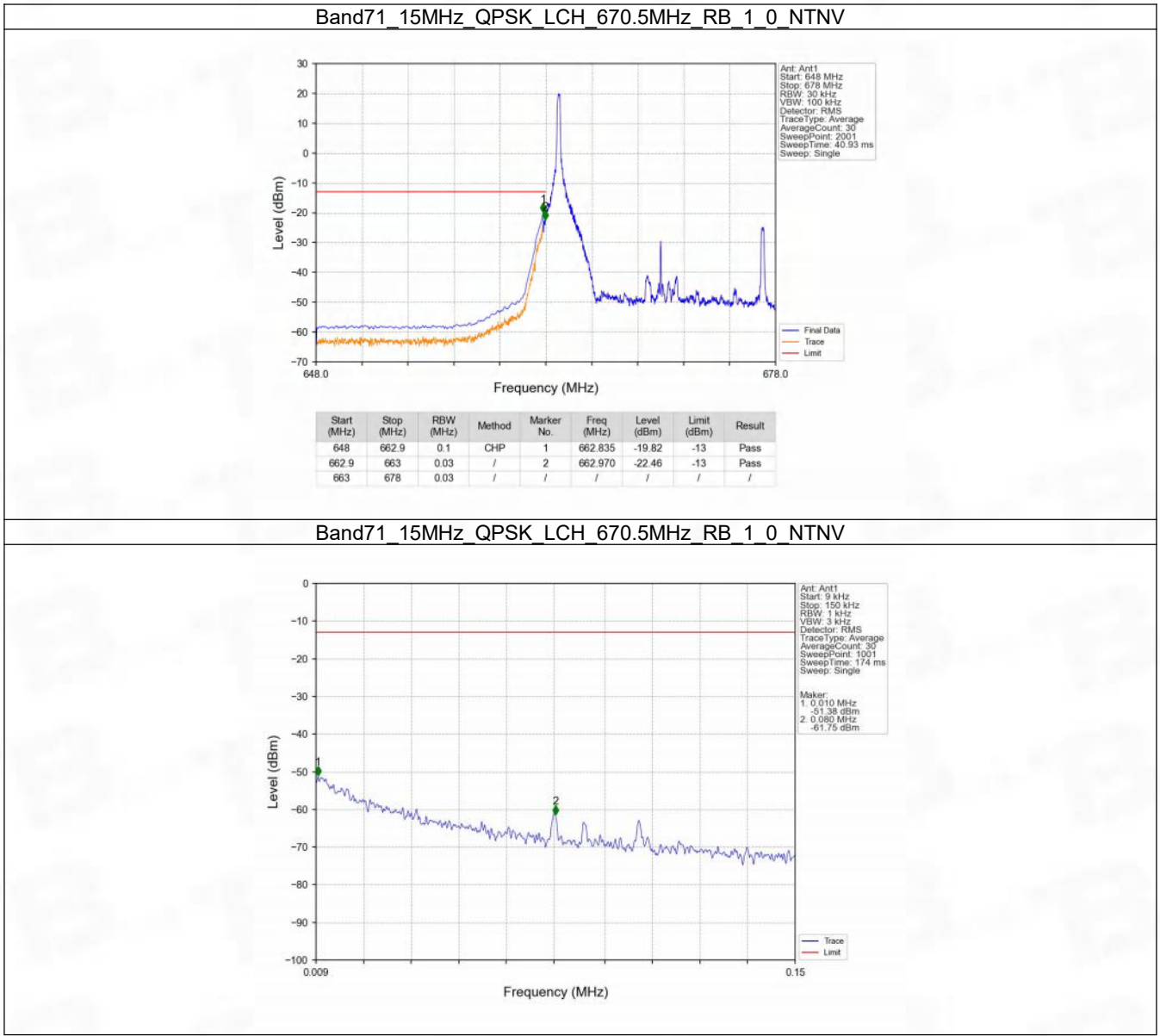
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 688         | 698        | 0.03      | /      | /          | /          | /           | /           | /      |
| 698         | 698.1      | 0.03      | /      | 1          | 698.008    | -18.61      | -13         | Pass   |
| 698.1       | 708        | 0.1       | CHP    | 2          | 698.158    | -17.75      | -13         | Pass   |

Band71\_10MHz\_16QAM\_HCH\_693MHz\_RB\_50\_0\_NTNV

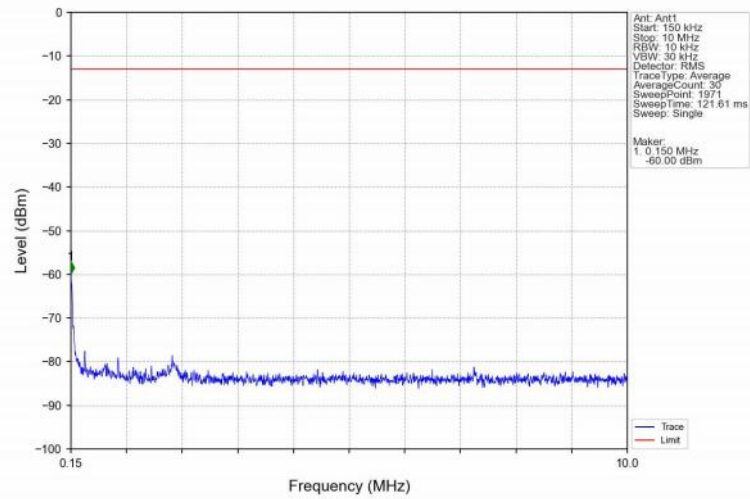


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 688         | 698        | 0.03      | /      | /          | /          | /           | /           | /      |
| 698         | 698.1      | 0.03      | /      | 1          | 698.038    | -33.27      | -13         | Pass   |
| 698.1       | 708        | 0.1       | CHP    | 2          | 698.158    | -31.50      | -13         | Pass   |

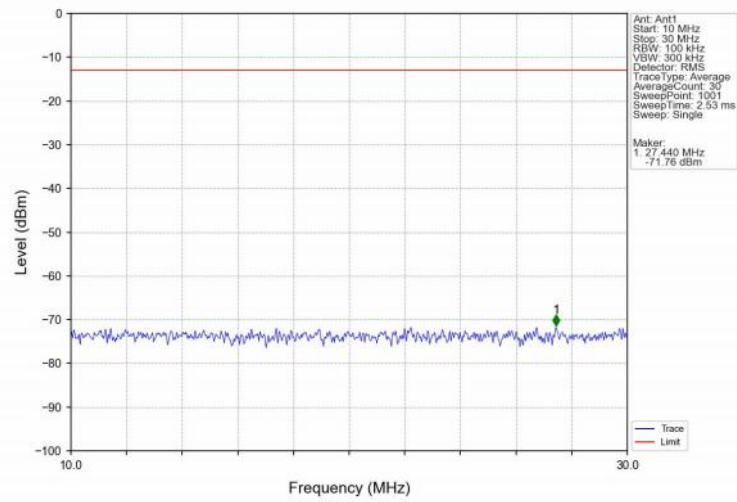
6.2.3 B71\_15MHz



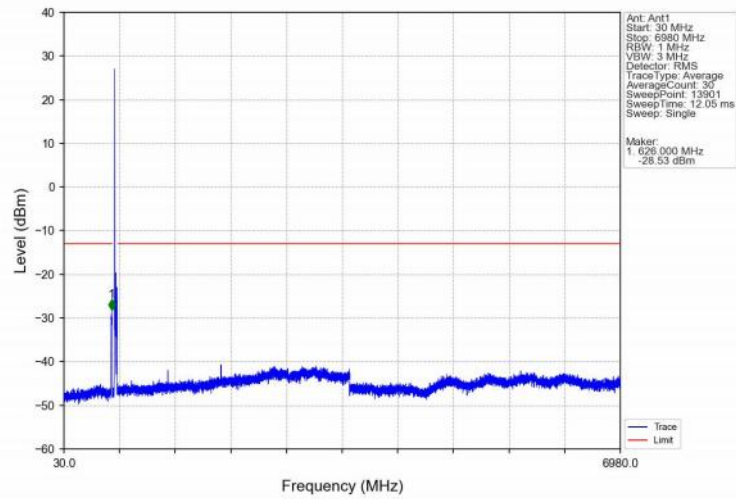
# Band71\_15MHz\_QPSK\_LCH\_670.5MHz\_RB\_1\_0\_NTNV



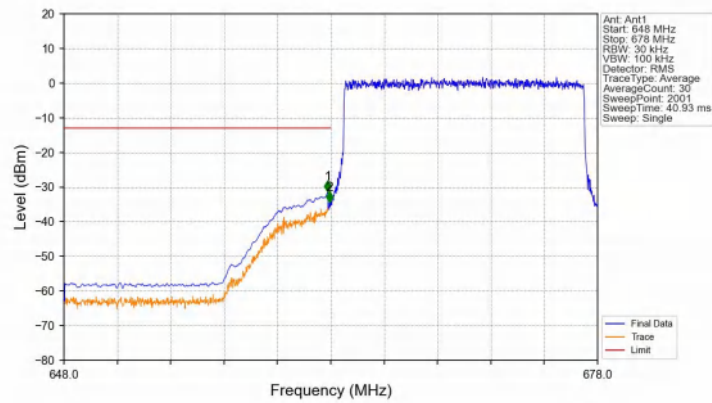
# Band71\_15MHz\_QPSK\_LCH\_670.5MHz\_RB\_1\_0\_NTNV



# Band71\_15MHz\_QPSK\_LCH\_670.5MHz\_RB\_1\_0\_NTNV

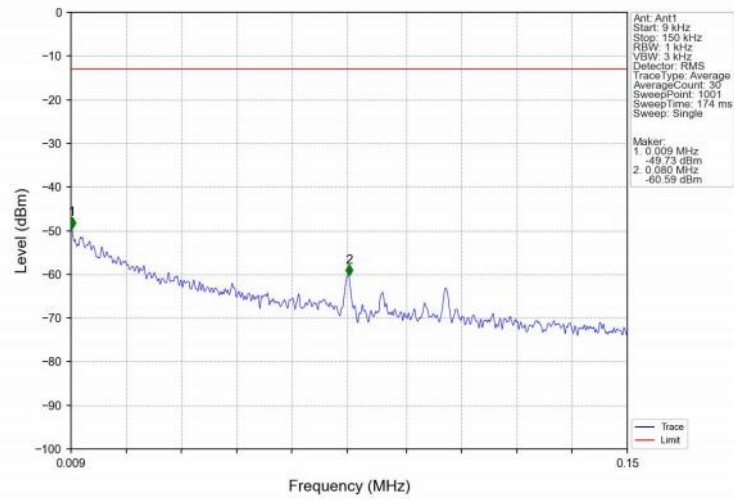


# Band71\_15MHz\_QPSK\_LCH\_670.5MHz\_RB\_75\_0\_NTNV

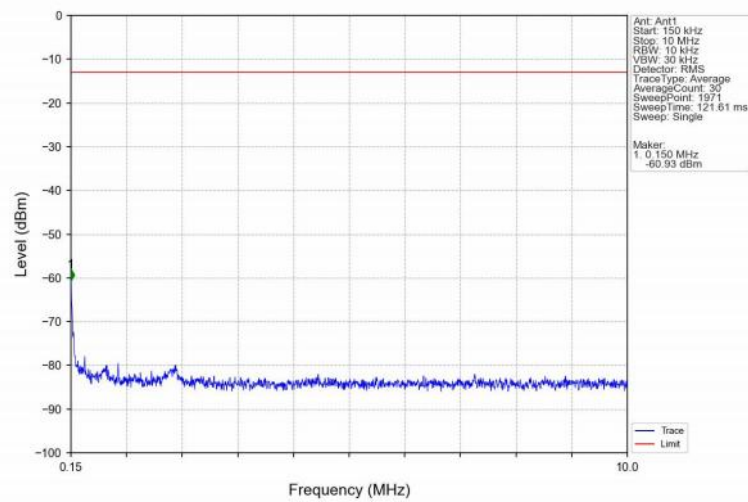


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 648         | 662.9      | 0.1       | CHP    | 1          | 662.835    | -31.27      | -13         | Pass   |
| 662.9       | 663        | 0.03      | /      | 2          | 662.940    | -34.38      | -13         | Pass   |
| 663         | 678        | 0.03      | /      | /          | /          | /           | /           | /      |

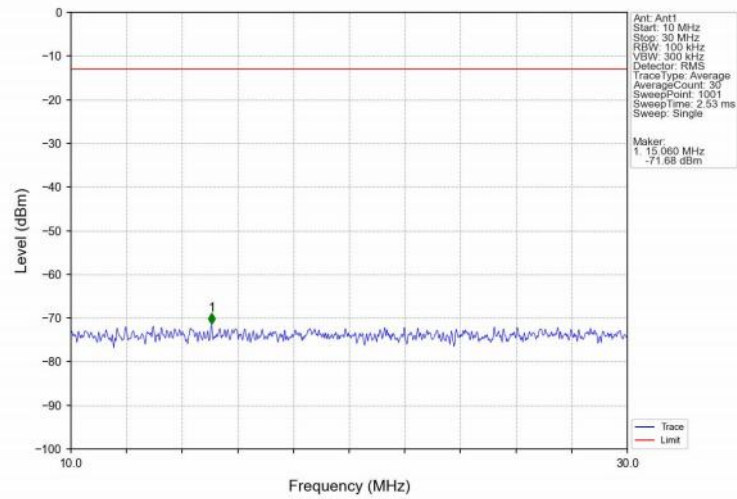
Band71\_15MHz\_QPSK\_MCH\_680.5MHz\_RB\_1\_0\_NTNV



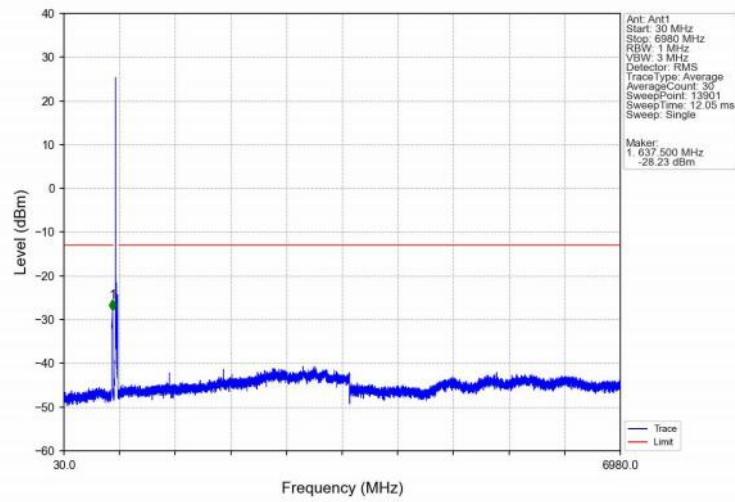
Band71\_15MHz\_QPSK\_MCH\_680.5MHz\_RB\_1\_0\_NTNV



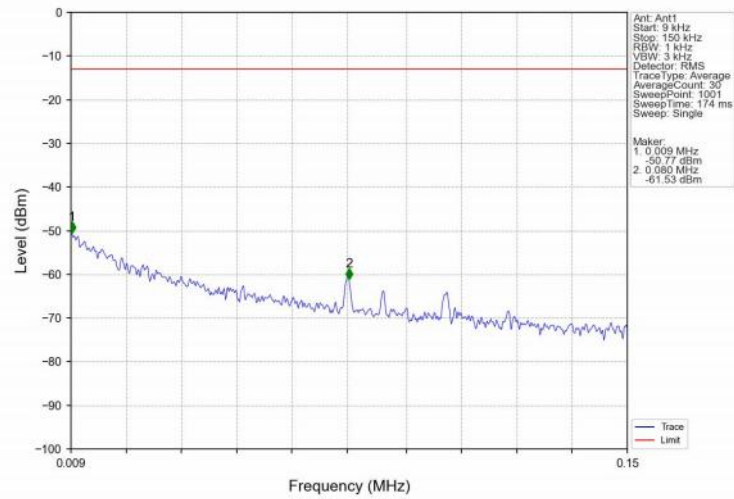
Band71\_15MHz\_QPSK\_MCH\_680.5MHz\_RB\_1\_0\_NTNV



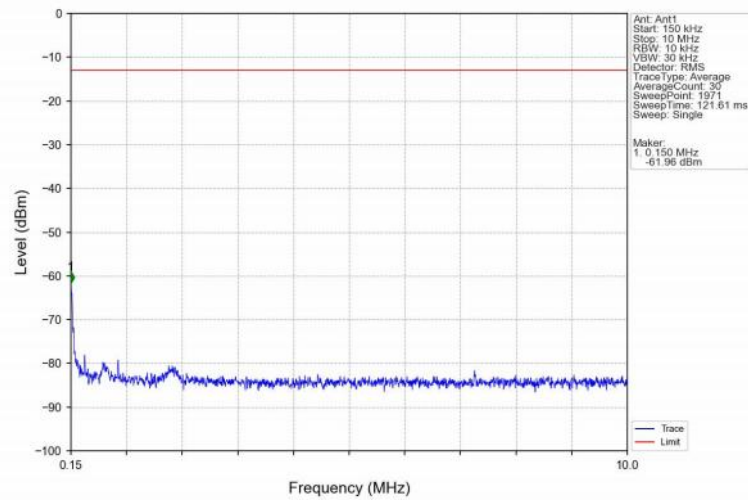
Band71\_15MHz\_QPSK\_MCH\_680.5MHz\_RB\_1\_0\_NTNV



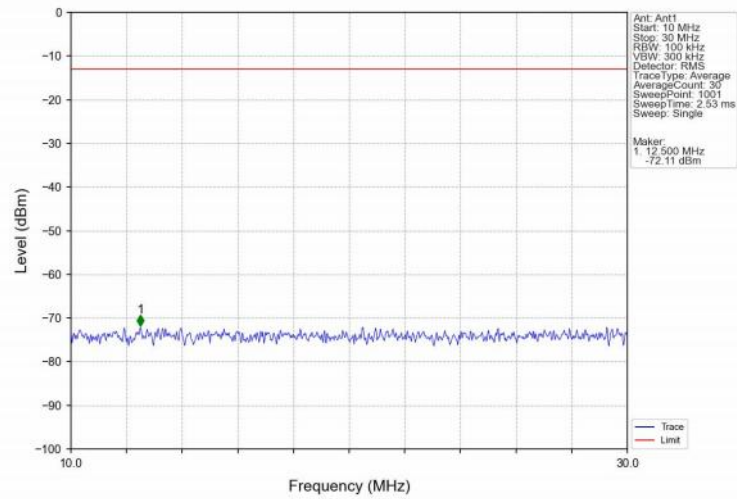
Band71\_15MHz\_QPSK\_HCH\_690.5MHz\_RB\_1\_0\_NTNV



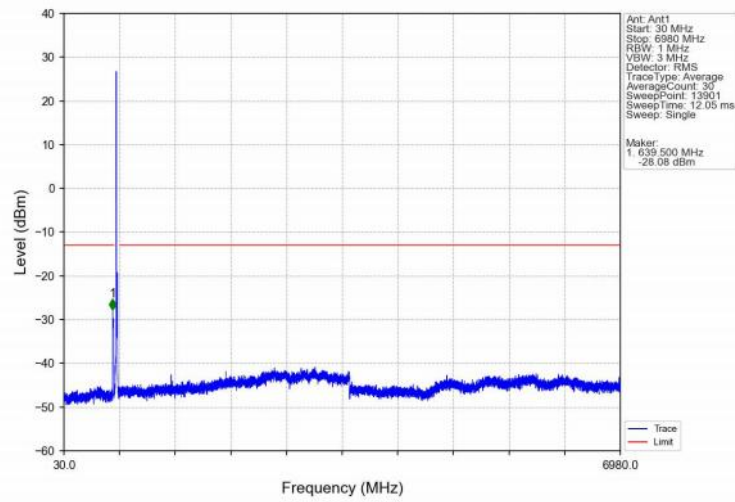
Band71\_15MHz\_QPSK\_HCH\_690.5MHz\_RB\_1\_0\_NTNV



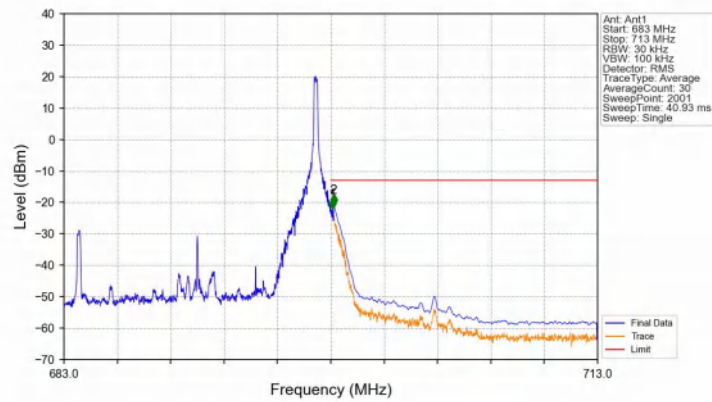
Band71\_15MHz\_QPSK\_HCH\_690.5MHz\_RB\_1\_0\_NTNV



Band71\_15MHz\_QPSK\_HCH\_690.5MHz\_RB\_1\_0\_NTNV

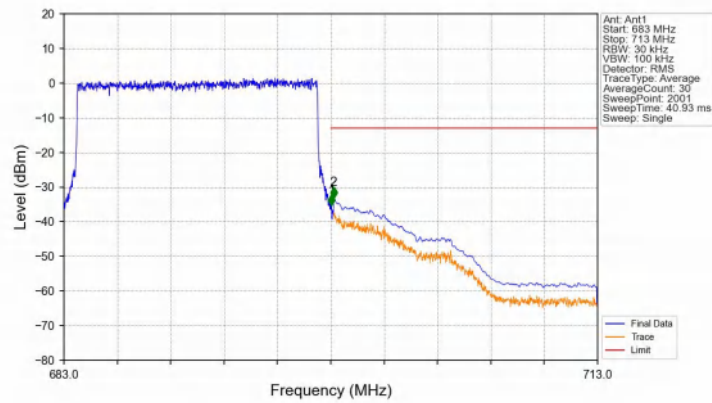


# Band71\_15MHz\_QPSK\_HCH\_690.5MHz\_RB\_1\_74\_NTNV



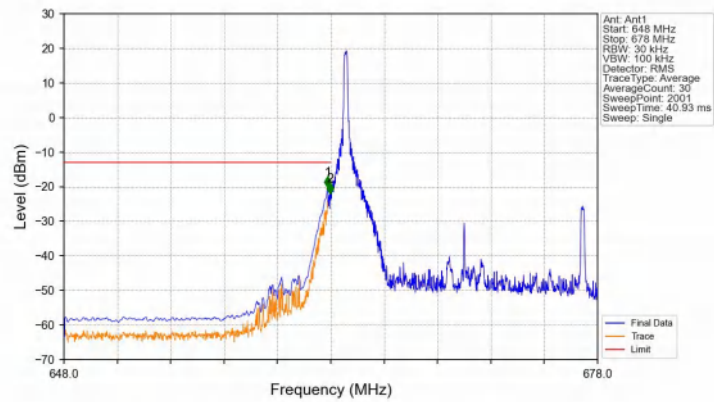
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 683         | 698        | 0.03      | /      | /          | /          | /           | /           | /      |
| 698         | 698.1      | 0.03      | /      | 1          | 698.090    | -22.11      | -13         | Pass   |
| 698.1       | 713        | 0.1       | CHP    | 2          | 698.165    | -20.78      | -13         | Pass   |

# Band71\_15MHz\_QPSK\_HCH\_690.5MHz\_RB\_75\_0\_NTNV



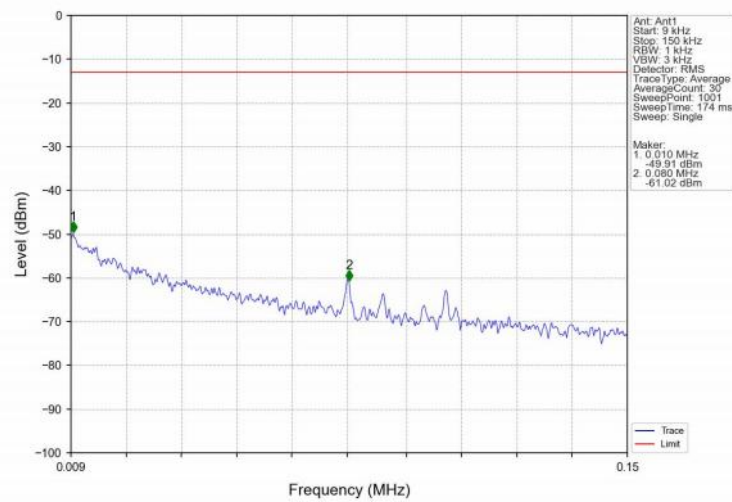
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 683         | 698        | 0.03      | /      | /          | /          | /           | /           | /      |
| 698         | 698.1      | 0.03      | /      | 1          | 698.045    | -35.39      | -13         | Pass   |
| 698.1       | 713        | 0.1       | CHP    | 2          | 698.165    | -33.04      | -13         | Pass   |

Band71\_15MHz\_16QAM\_LCH\_670.5MHz\_RB\_1\_0\_NTNV

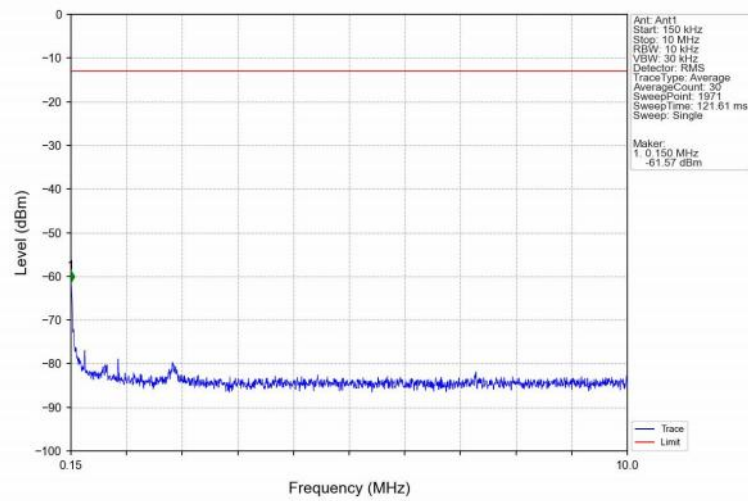


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 648         | 662.9      | 0.1       | CHP    | 1          | 662.835    | -20.18      | -13         | Pass   |
| 662.9       | 663        | 0.03      | /      | 2          | 662.970    | -21.99      | -13         | Pass   |
| 663         | 678        | 0.03      | /      | /          | /          | /           | /           | /      |

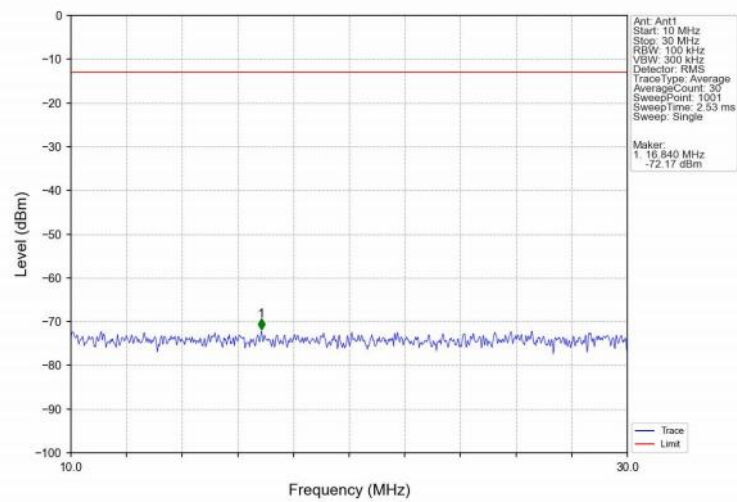
Band71\_15MHz\_16QAM\_LCH\_670.5MHz\_RB\_1\_0\_NTNV



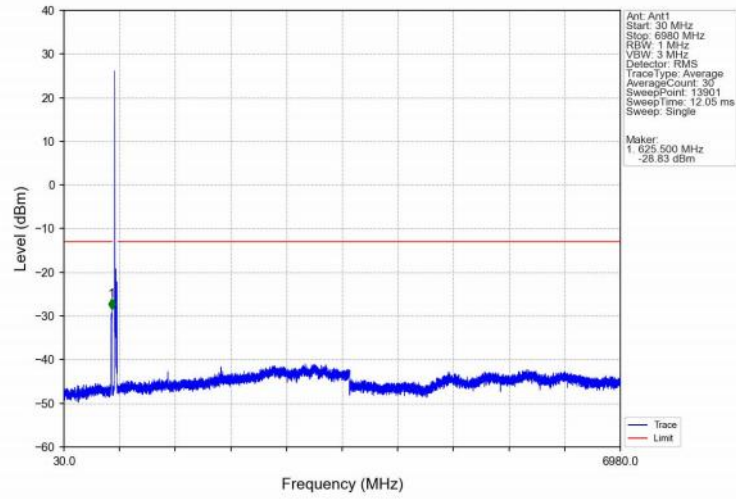
Band71\_15MHz\_16QAM\_LCH\_670.5MHz\_RB\_1\_0\_NTNV



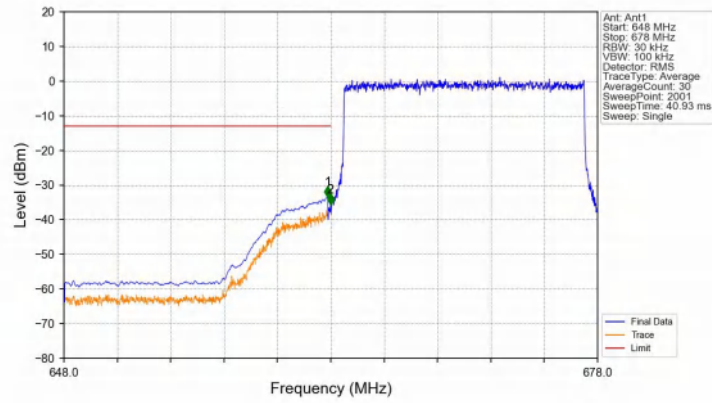
Band71\_15MHz\_16QAM\_LCH\_670.5MHz\_RB\_1\_0\_NTNV



Band71\_15MHz\_16QAM\_LCH\_670.5MHz\_RB\_1\_0\_NTNV

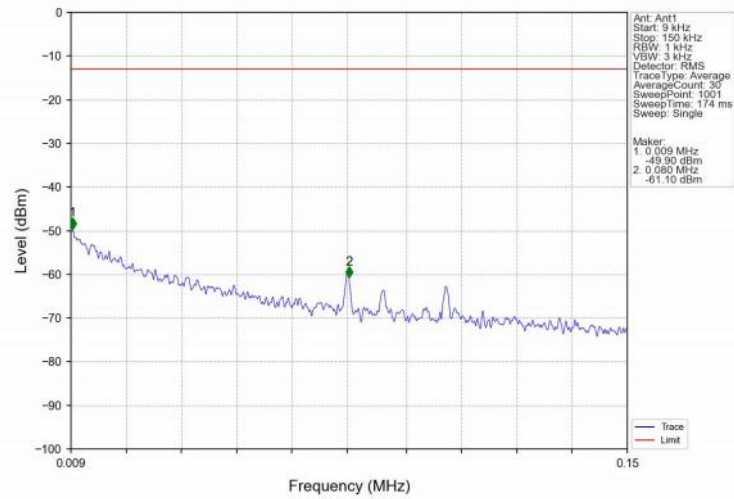


Band71\_15MHz\_16QAM\_LCH\_670.5MHz\_RB\_75\_0\_NTNV

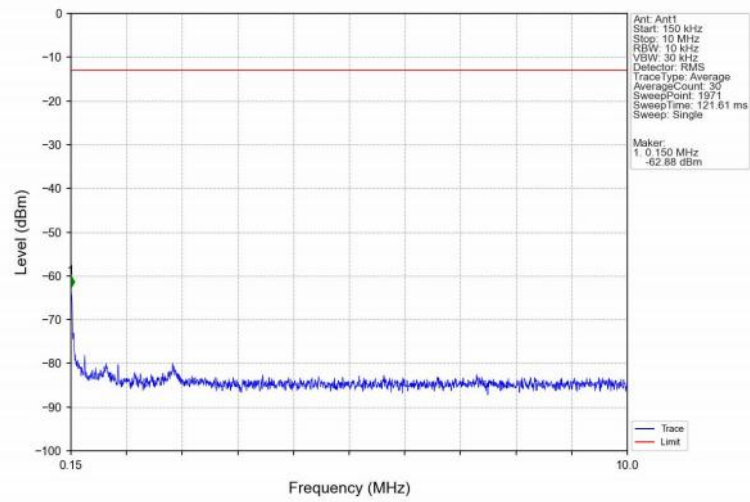


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 648         | 662.9      | 0.1       | CHP    | 1          | 662.835    | -33.49      | -13         | Pass   |
| 662.9       | 663        | 0.03      | /      | 2          | 662.985    | -35.72      | -13         | Pass   |
| 663         | 678        | 0.03      | /      | /          | /          | /           | /           | /      |

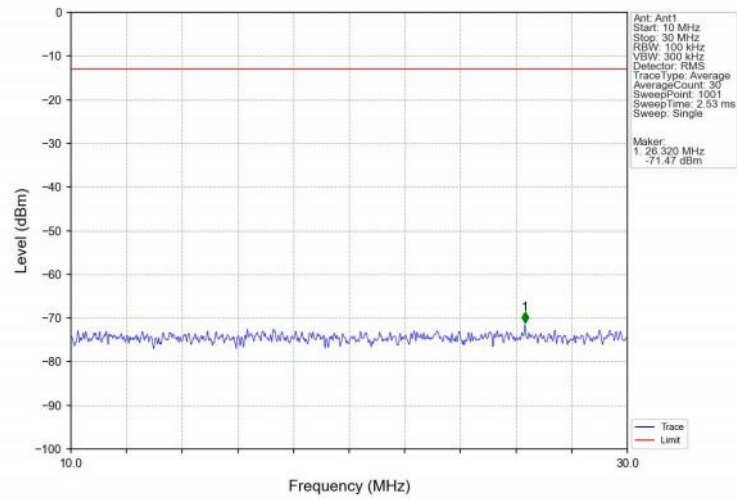
Band71\_15MHz\_16QAM\_MCH\_680.5MHz\_RB\_1\_0\_NTNV



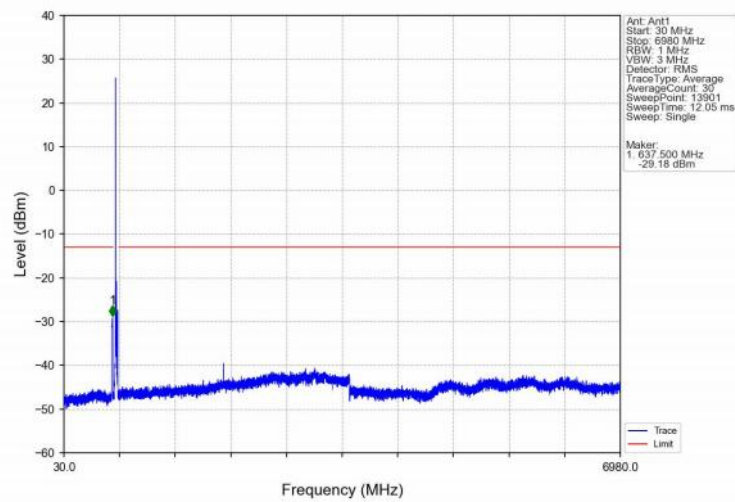
Band71\_15MHz\_16QAM\_MCH\_680.5MHz\_RB\_1\_0\_NTNV



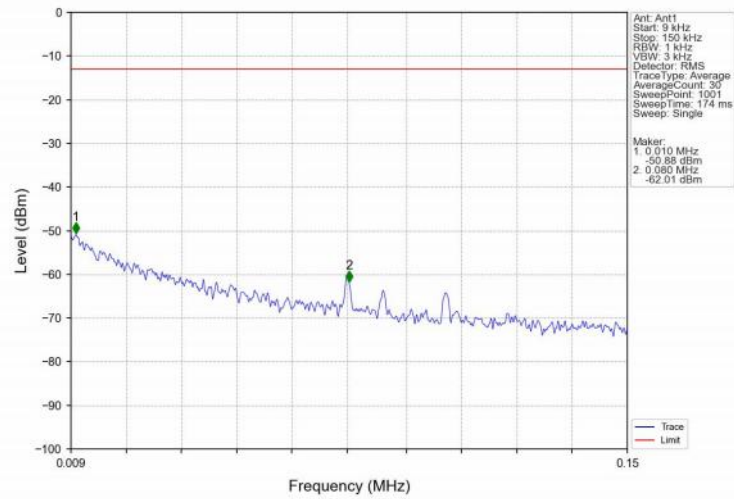
Band71\_15MHz\_16QAM\_MCH\_680.5MHz\_RB\_1\_0\_NTNV



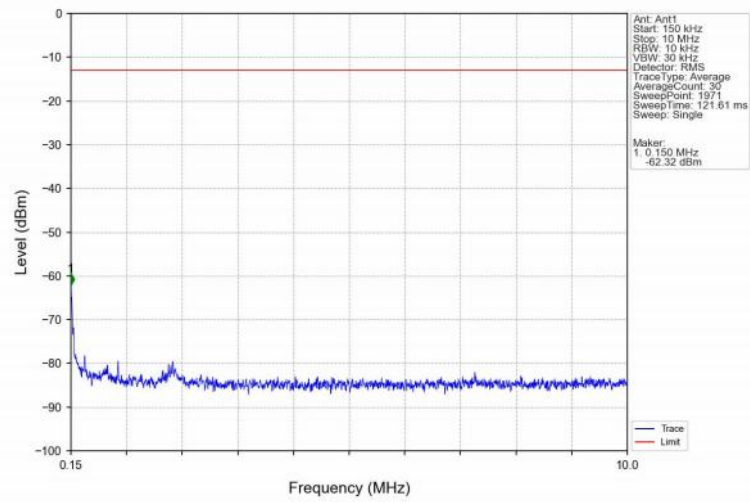
Band71\_15MHz\_16QAM\_MCH\_680.5MHz\_RB\_1\_0\_NTNV



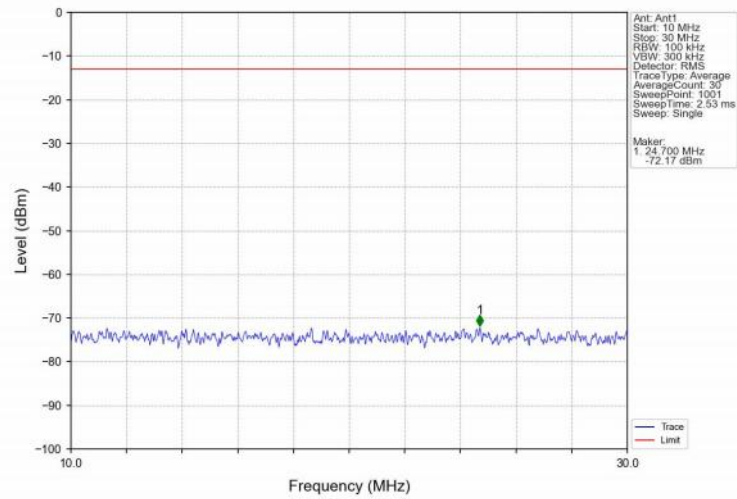
Band71\_15MHz\_16QAM\_HCH\_690.5MHz\_RB\_1\_0\_NTNV



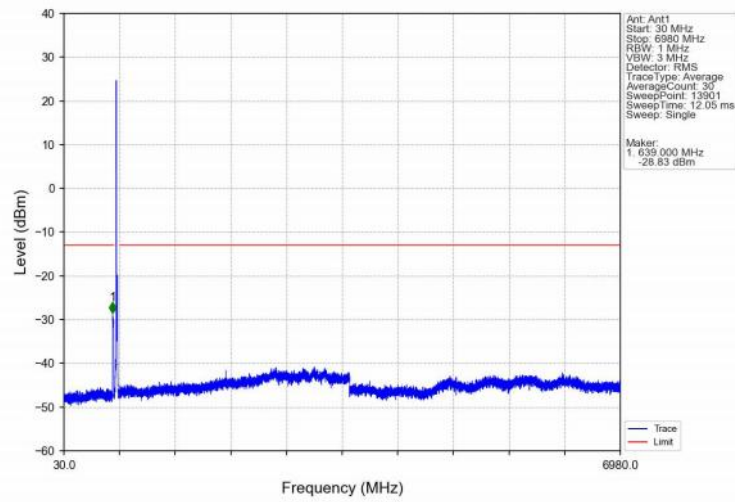
Band71\_15MHz\_16QAM\_HCH\_690.5MHz\_RB\_1\_0\_NTNV



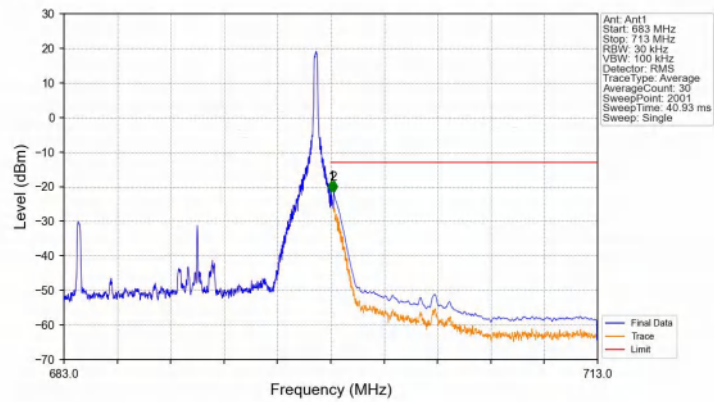
Band71\_15MHz\_16QAM\_HCH\_690.5MHz\_RB\_1\_0\_NTNV



Band71\_15MHz\_16QAM\_HCH\_690.5MHz\_RB\_1\_0\_NTNV

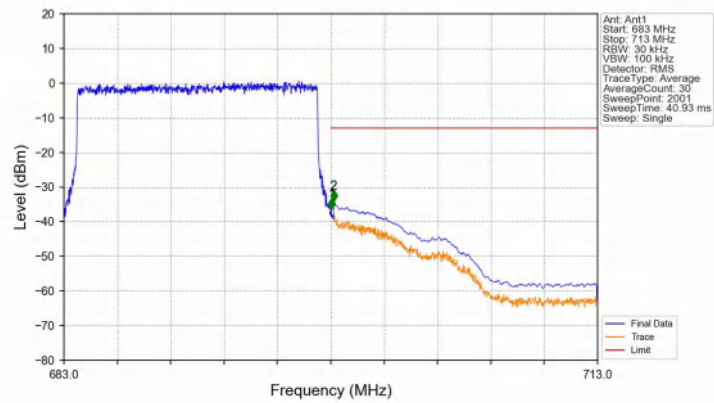


Band71\_15MHz\_16QAM\_HCH\_690.5MHz\_RB\_1\_74\_NTNV



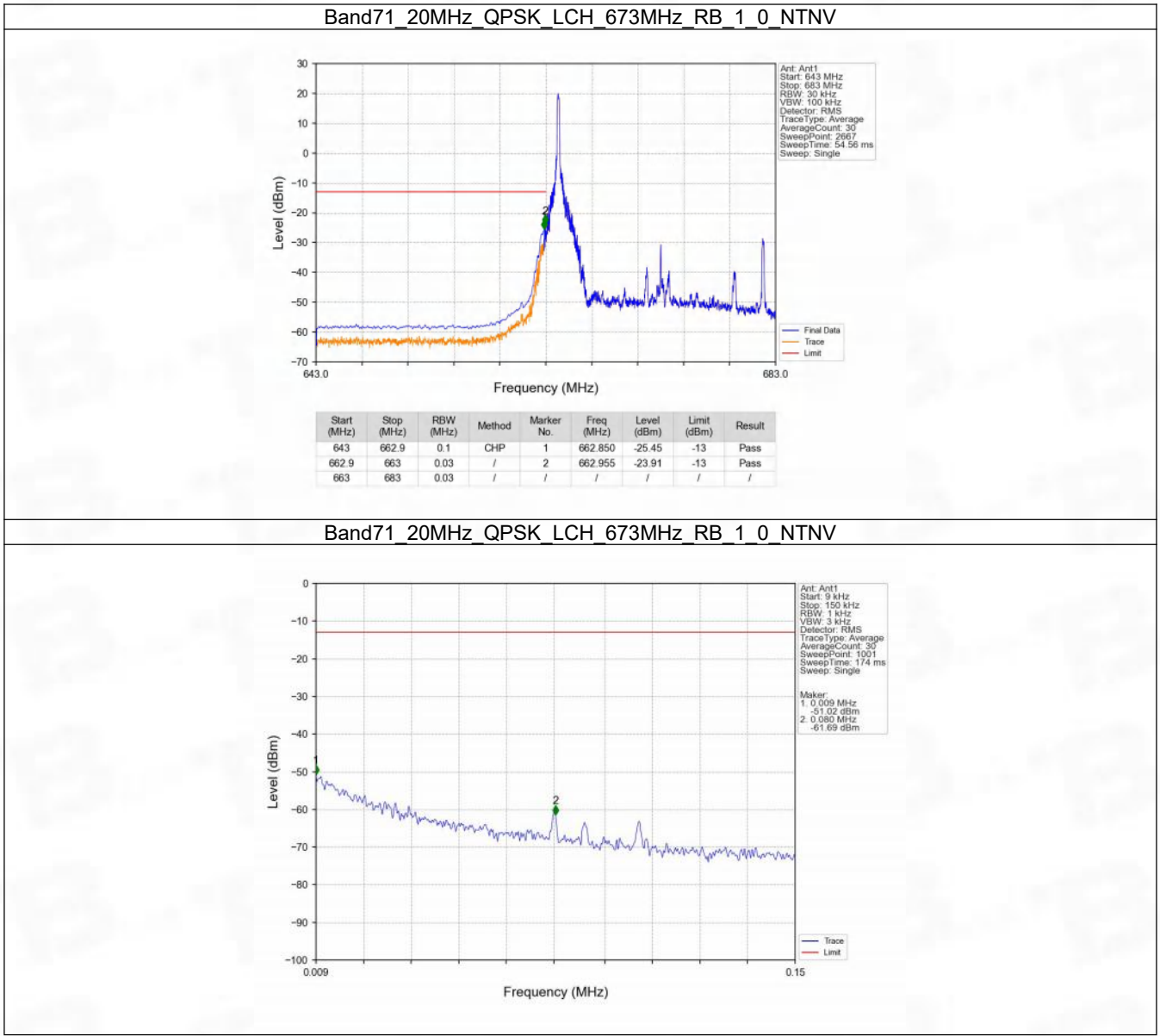
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 683         | 698        | 0.03      | /      | /          | /          | /           | /           | /      |
| 698         | 698.1      | 0.03      | /      | 1          | 698.045    | -21.40      | -13         | Pass   |
| 698.1       | 713        | 0.1       | CHP    | 2          | 698.165    | -21.42      | -13         | Pass   |

Band71\_15MHz\_16QAM\_HCH\_690.5MHz\_RB\_75\_0\_NTNV

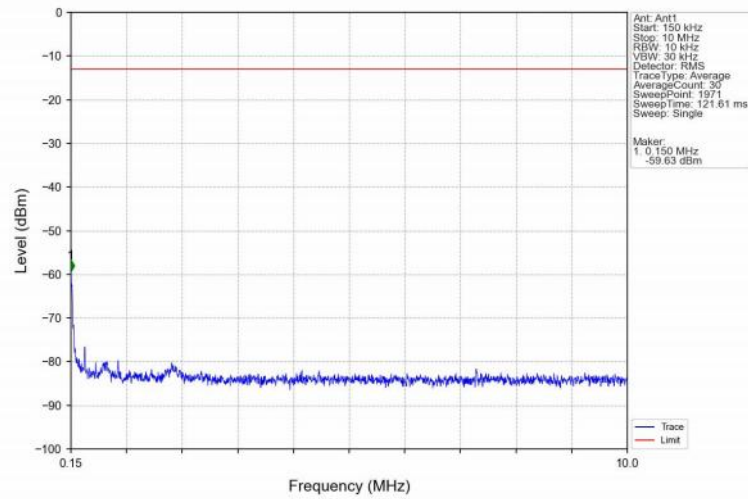


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 683         | 698        | 0.03      | /      | /          | /          | /           | /           | /      |
| 698         | 698.1      | 0.03      | /      | 1          | 698.045    | -36.39      | -13         | Pass   |
| 698.1       | 713        | 0.1       | CHP    | 2          | 698.165    | -34.10      | -13         | Pass   |

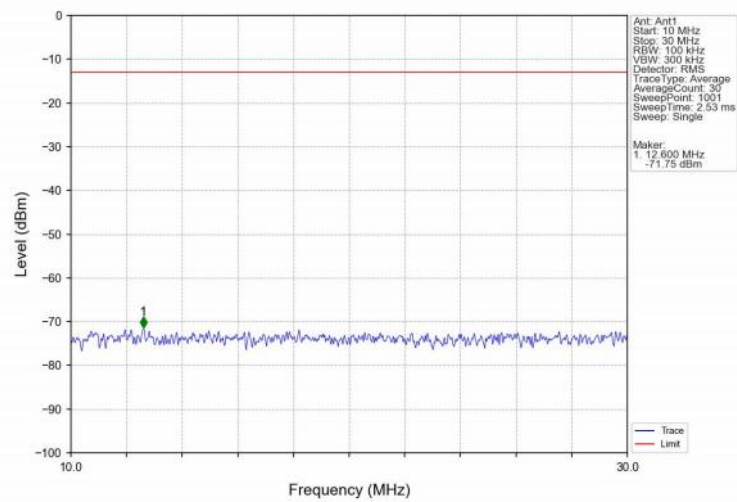
6.2.4 B71\_20MHz



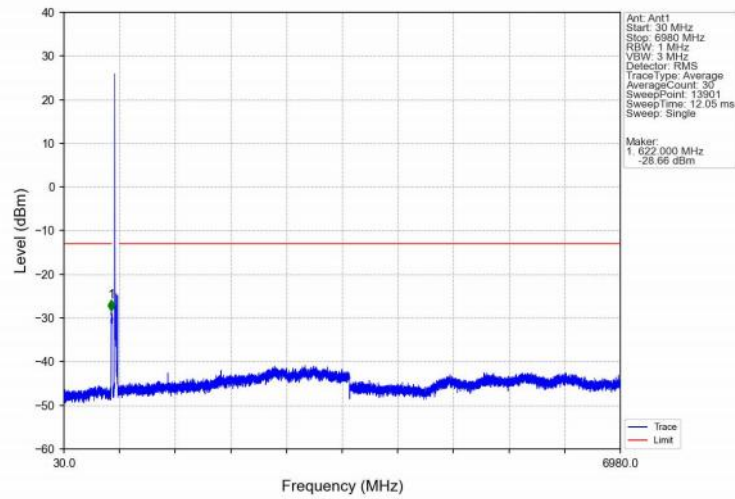
# Band71\_20MHz\_QPSK\_LCH\_673MHz\_RB\_1\_0\_NTNV



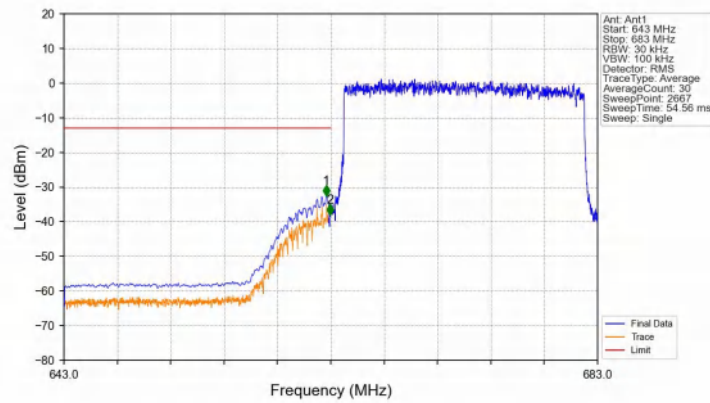
# Band71\_20MHz\_QPSK\_LCH\_673MHz\_RB\_1\_0\_NTNV



# Band71\_20MHz\_QPSK\_LCH\_673MHz\_RB\_1\_0\_NTNV

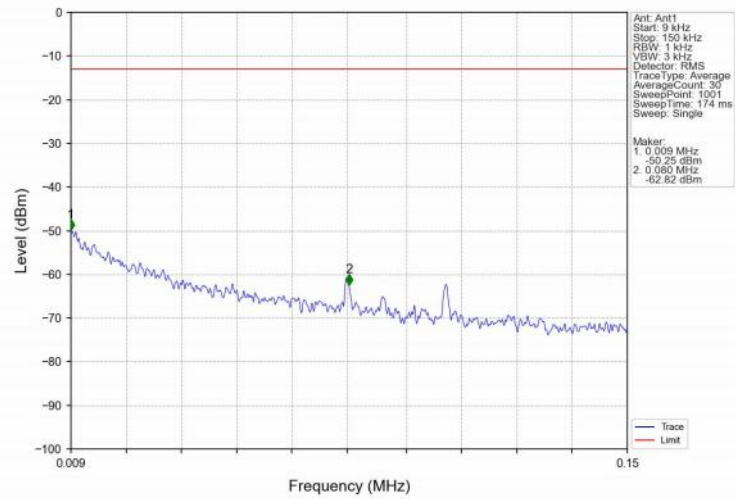


# Band71\_20MHz\_QPSK\_LCH\_673MHz\_RB\_100\_0\_NTNV

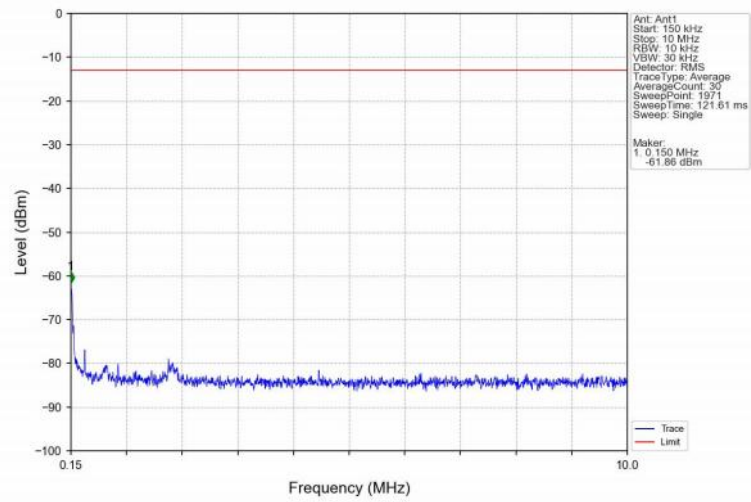


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 643         | 662.9      | 0.1       | CHP    | 1          | 662.670    | -32.52      | -13         | Pass   |
| 662.9       | 663        | 0.03      | /      | 2          | 662.940    | -38.05      | -13         | Pass   |
| 663         | 683        | 0.03      | /      | /          | /          | /           | /           | /      |

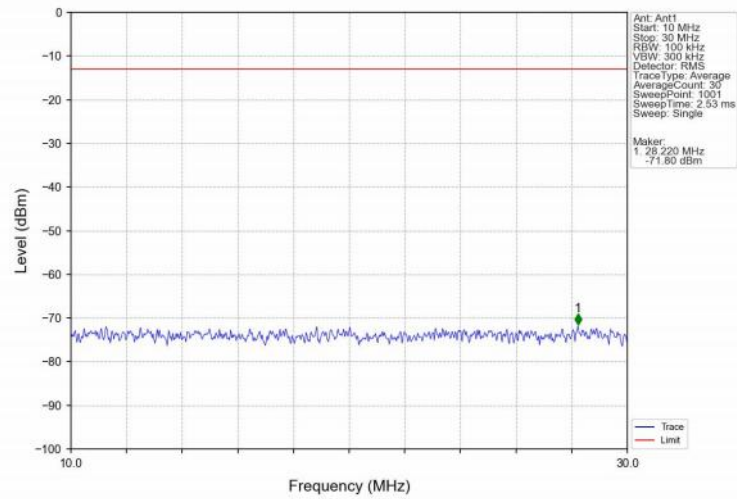
Band71\_20MHz\_QPSK\_MCH\_683MHz\_RB\_1\_0\_NTNV



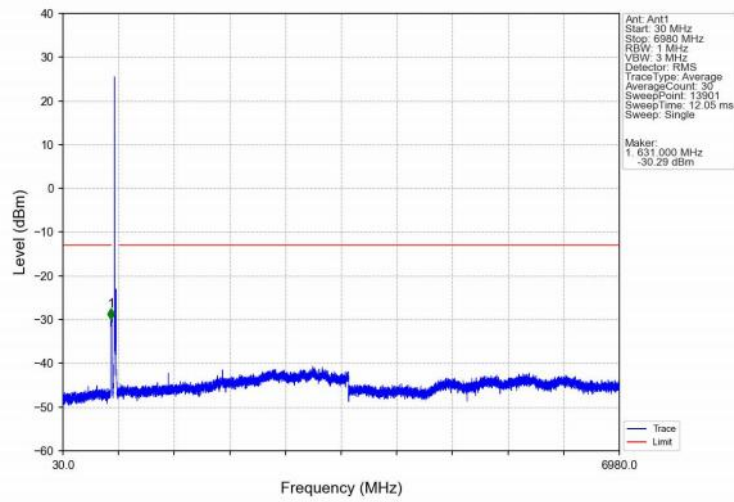
Band71\_20MHz\_QPSK\_MCH\_683MHz\_RB\_1\_0\_NTNV



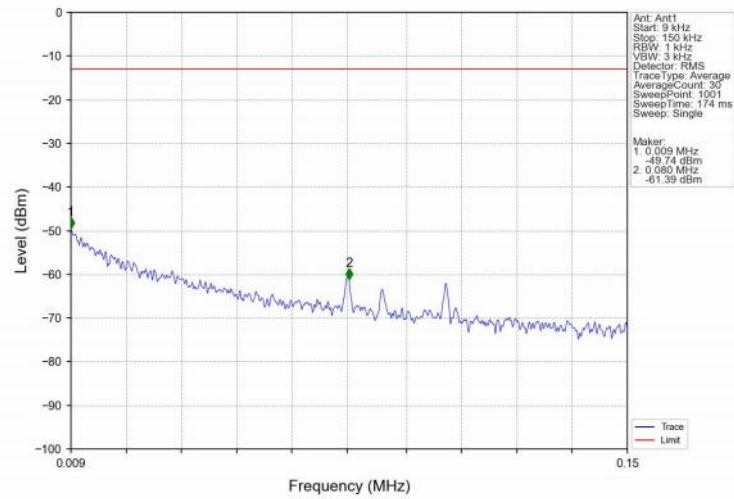
Band71\_20MHz\_QPSK\_MCH\_683MHz\_RB\_1\_0\_NTNV



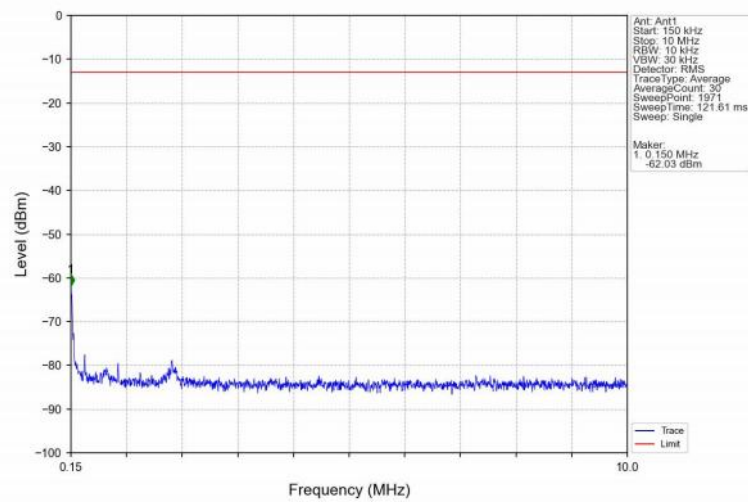
Band71\_20MHz\_QPSK\_MCH\_683MHz\_RB\_1\_0\_NTNV



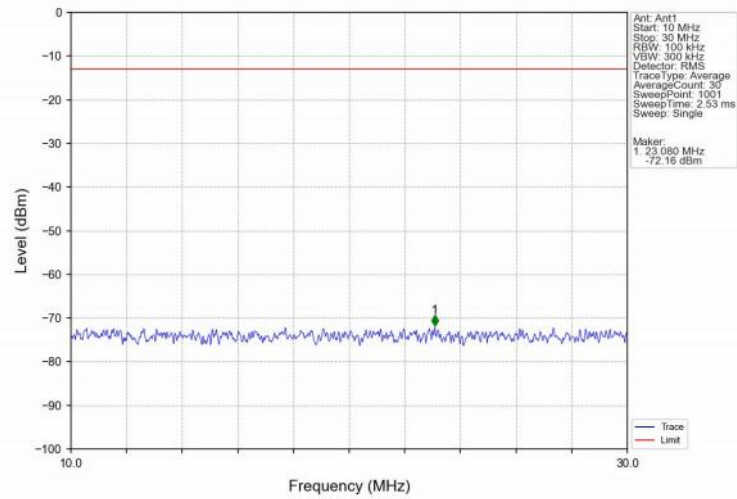
Band71\_20MHz\_QPSK\_HCH\_688MHz\_RB\_1\_0\_NTNV



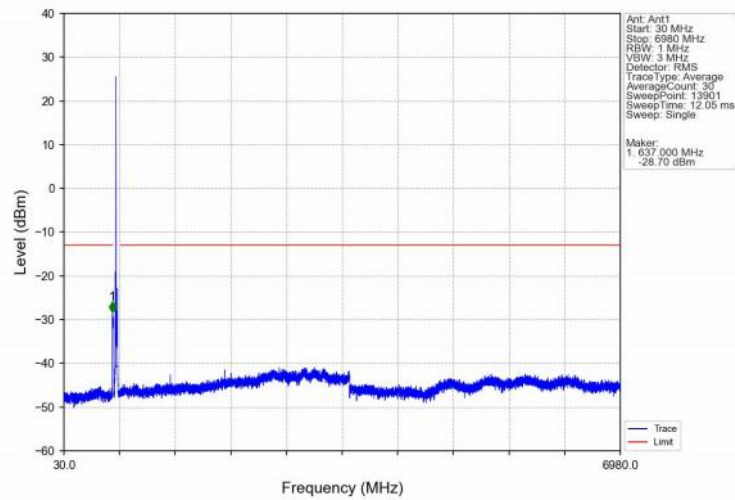
Band71\_20MHz\_QPSK\_HCH\_688MHz\_RB\_1\_0\_NTNV



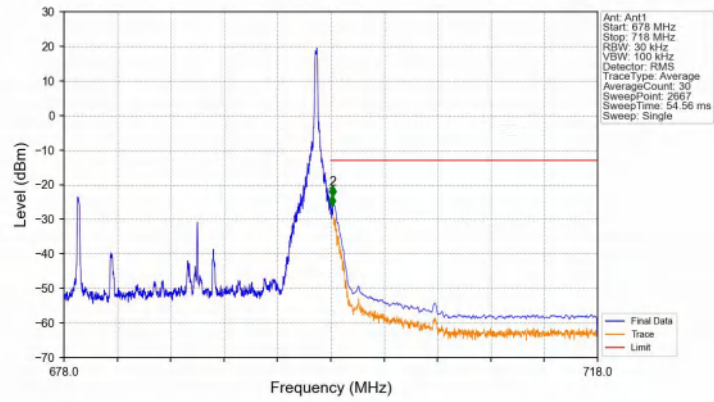
Band71\_20MHz\_QPSK\_HCH\_688MHz\_RB\_1\_0\_NTNV



Band71\_20MHz\_QPSK\_HCH\_688MHz\_RB\_1\_0\_NTNV

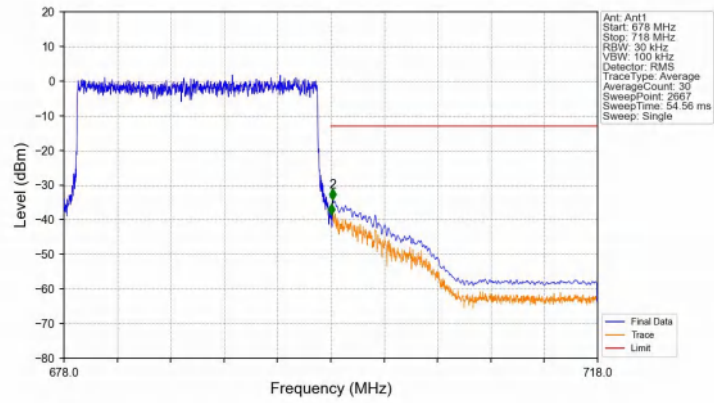


# Band71\_20MHz\_QPSK\_HCH\_688MHz\_RB\_1\_99\_NTNV



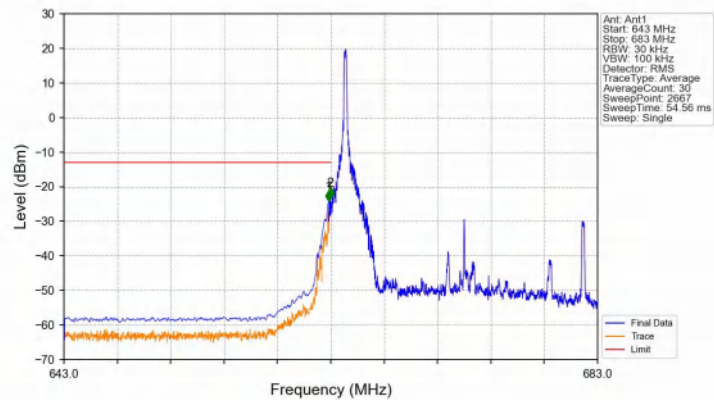
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 678         | 698        | 0.03      | /      | /          | /          | /           | /           | /      |
| 698         | 698.1      | 0.03      | /      | 1          | 698.090    | -26.22      | -13         | Pass   |
| 698.1       | 718        | 0.1       | CHP    | 2          | 698.150    | -23.52      | -13         | Pass   |

# Band71\_20MHz\_QPSK\_HCH\_688MHz\_RB\_100\_0\_NTNV



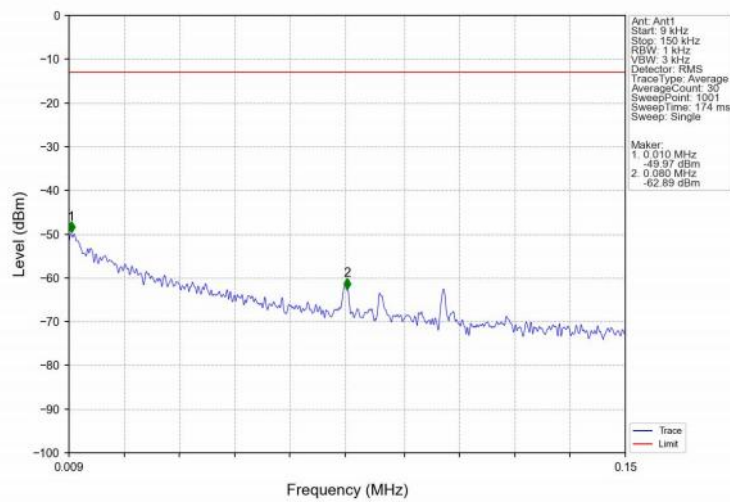
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 678         | 698        | 0.03      | /      | /          | /          | /           | /           | /      |
| 698         | 698.1      | 0.03      | /      | 1          | 698.060    | -38.63      | -13         | Pass   |
| 698.1       | 718        | 0.1       | CHP    | 2          | 698.150    | -34.17      | -13         | Pass   |

Band71\_20MHz\_16QAM\_LCH\_673MHz\_RB\_1\_0\_NTNV

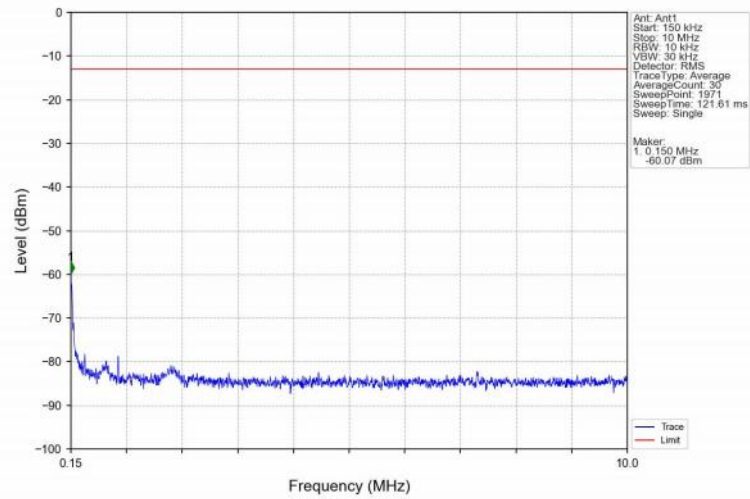


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 643         | 662.9      | 0.1       | CHP    | 1          | 662.850    | -24.21      | -13         | Pass   |
| 662.9       | 663        | 0.03      | /      | 2          | 662.985    | -23.36      | -13         | Pass   |
| 663         | 683        | 0.03      | /      | /          | /          | /           | /           | /      |

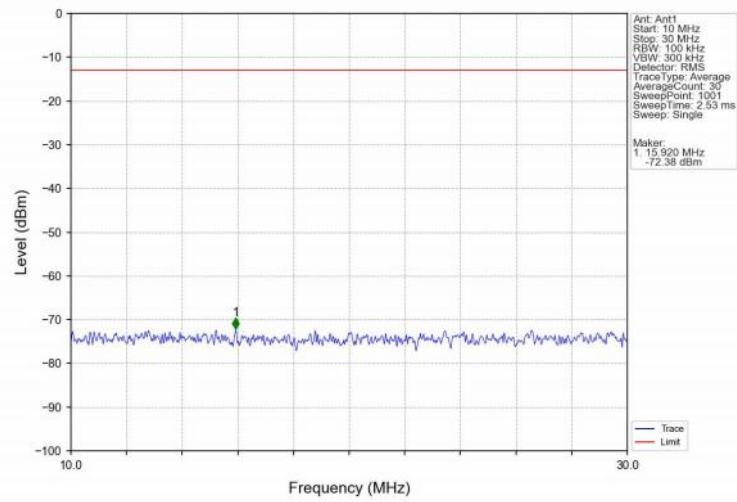
Band71\_20MHz\_16QAM\_LCH\_673MHz\_RB\_1\_0\_NTNV



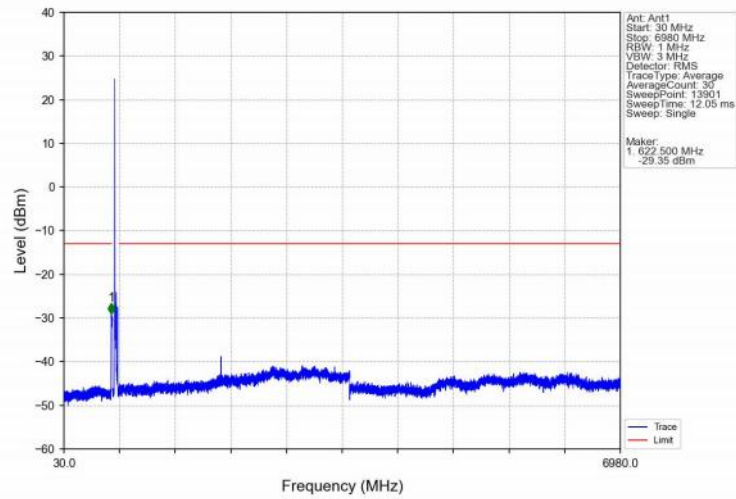
Band71\_20MHz\_16QAM\_LCH\_673MHz\_RB\_1\_0\_NTNV



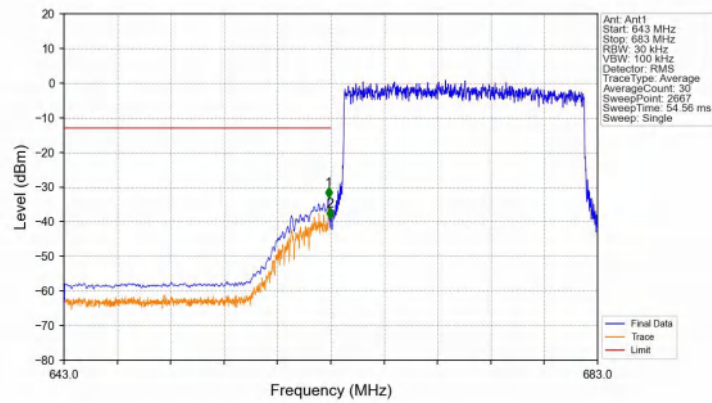
Band71\_20MHz\_16QAM\_LCH\_673MHz\_RB\_1\_0\_NTNV



# Band71\_20MHz\_16QAM\_LCH\_673MHz\_RB\_1\_0\_NTNV

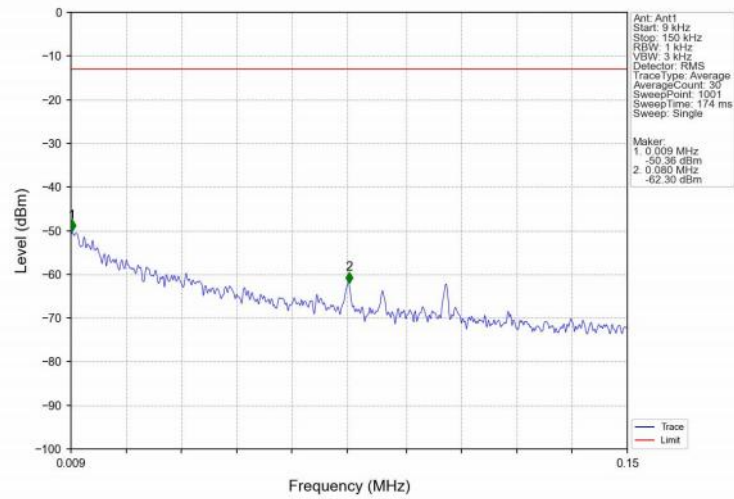


# Band71\_20MHz\_16QAM\_LCH\_673MHz\_RB\_100\_0\_NTNV

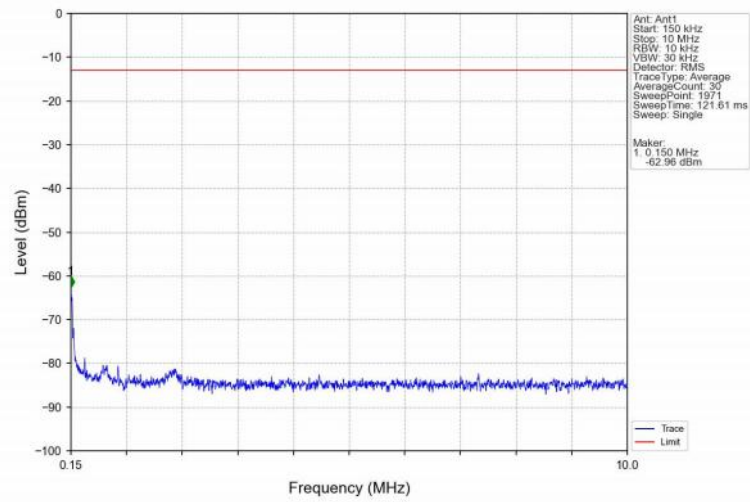


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 643         | 662.9      | 0.1       | CHP    | 1          | 662.835    | -33.06      | -13         | Pass   |
| 662.9       | 663        | 0.03      | /      | 2          | 662.970    | -39.14      | -13         | Pass   |
| 663         | 683        | 0.03      | /      | /          | /          | /           | /           | /      |

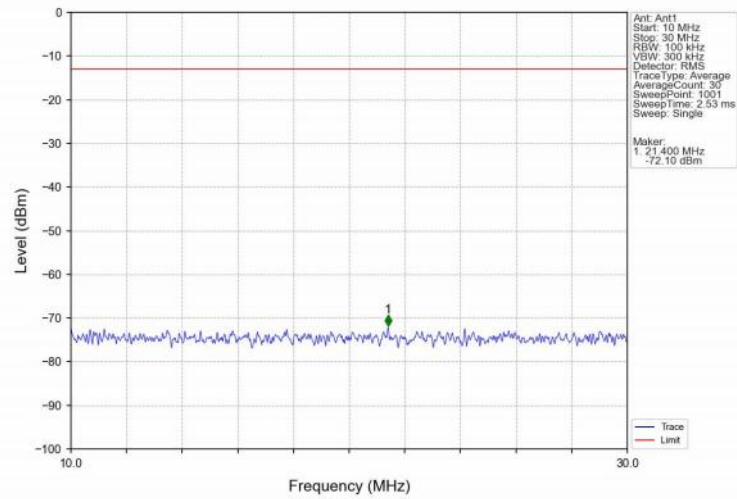
Band71\_20MHz\_16QAM\_MCH\_683MHz\_RB\_1\_0\_NTNV



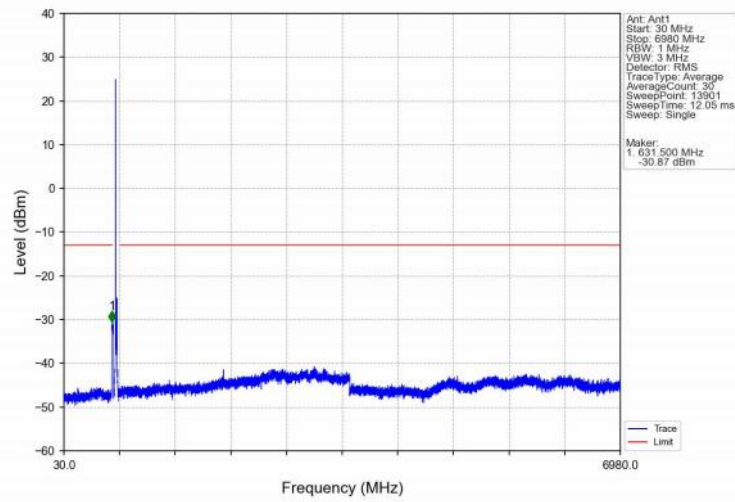
Band71\_20MHz\_16QAM\_MCH\_683MHz\_RB\_1\_0\_NTNV



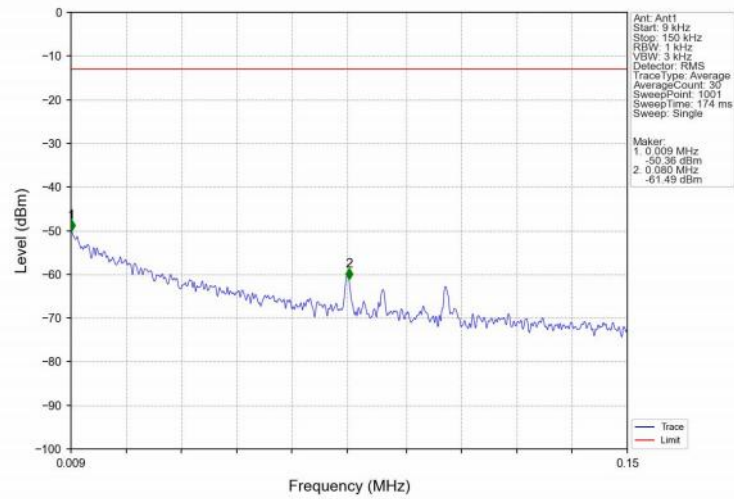
Band71\_20MHz\_16QAM\_MCH\_683MHz\_RB\_1\_0\_NTNV



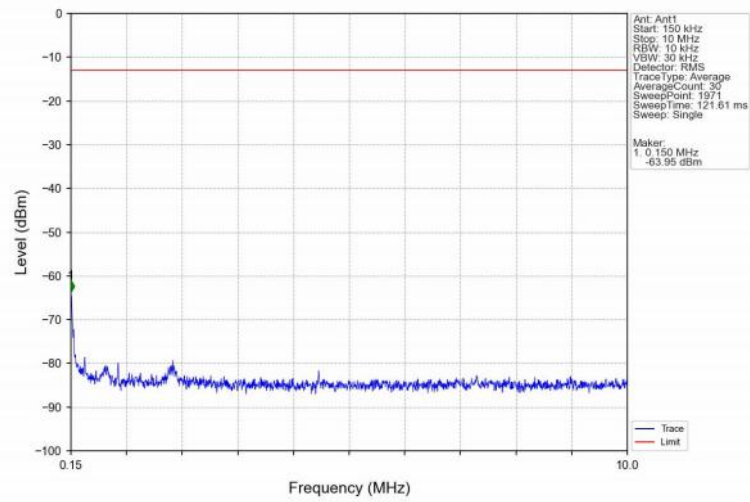
Band71\_20MHz\_16QAM\_MCH\_683MHz\_RB\_1\_0\_NTNV



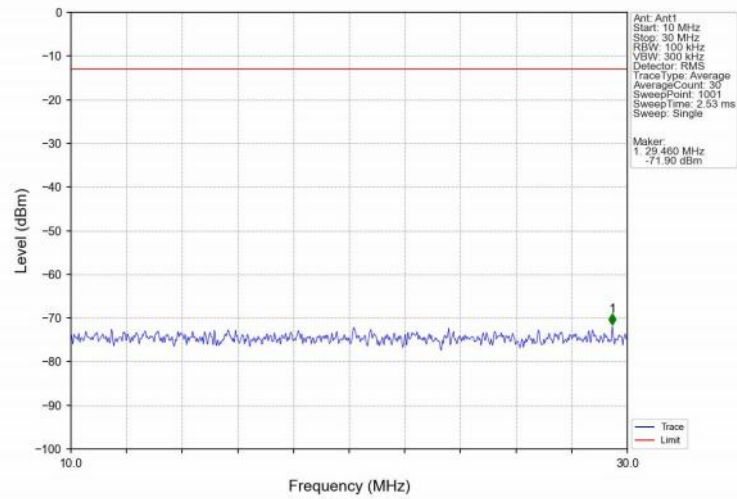
Band71\_20MHz\_16QAM\_HCH\_688MHz\_RB\_1\_0\_NTNV



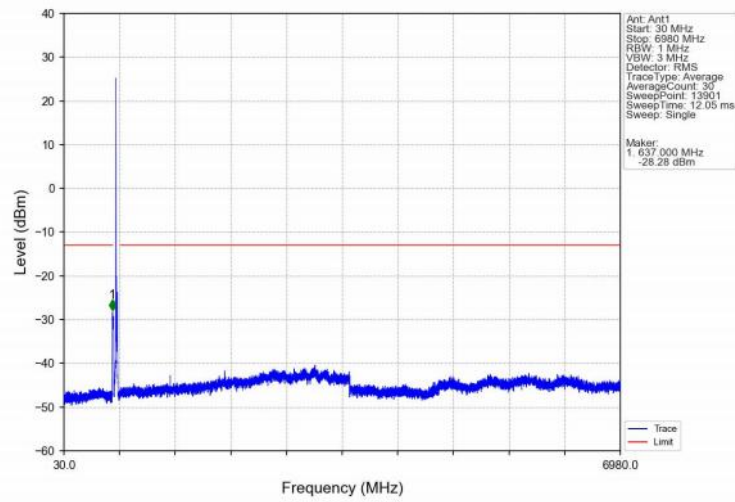
Band71\_20MHz\_16QAM\_HCH\_688MHz\_RB\_1\_0\_NTNV



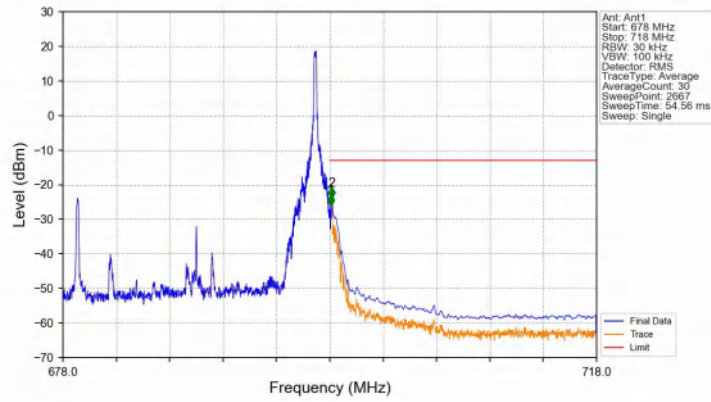
Band71\_20MHz\_16QAM\_HCH\_688MHz\_RB\_1\_0\_NTNV



Band71\_20MHz\_16QAM\_HCH\_688MHz\_RB\_1\_0\_NTNV

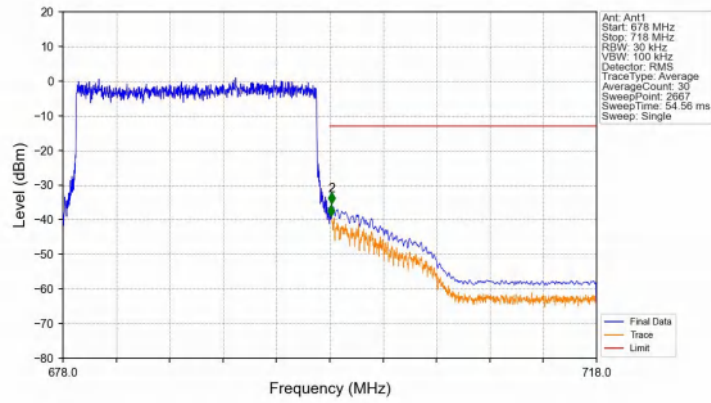


Band71\_20MHz\_16QAM\_HCH\_688MHz\_RB\_1\_99\_NTNV



| 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          | 698.075    | -26.07      | -13         | Pass   |
| 698.1       | 718        | 0.1       | CHP    | 2          | 698.150    | -23.82      | -13         | Pass   |

Band71\_20MHz\_16QAM\_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          | 698.075    | -38.94      | -13         | Pass   |
| 698.1       | 718        | 0.1       | CHP    | 2          | 698.150    | -35.26      | -13         | Pass   |

## 7. Form731

### 7.1 Test Result

#### 7.1.1 Form731\_Power

| Band | BW | Lower Freq | High Freq | MAX Power (W) | Value  | Hz/ppm | Emission Designator | Rule Parts | MAX Power (dBm) |
|------|----|------------|-----------|---------------|--------|--------|---------------------|------------|-----------------|
| 71   | 5  | 665.5      | 695.5     | 0.8147        | 0.0190 | ppm    | 4M57G7D             | 27N        | 29.11           |
| 71   | 5  | 665.5      | 695.5     | 0.6902        | 0.0220 | ppm    | 4M59W7D             | 27N        | 28.39           |
| 71   | 10 | 668        | 693       | 0.8433        | 0.0159 | ppm    | 9M09G7D             | 27N        | 29.26           |
| 71   | 10 | 668        | 693       | 0.6871        | 0.0185 | ppm    | 9M09W7D             | 27N        | 28.37           |
| 71   | 15 | 670.5      | 690.5     | 0.7834        | 0.0158 | ppm    | 13M6G7D             | 27N        | 28.94           |
| 71   | 15 | 670.5      | 690.5     | 0.6501        | 0.0182 | ppm    | 13M6W7D             | 27N        | 28.13           |
| 71   | 20 | 673        | 688       | 0.7568        | 0.0176 | ppm    | 18M2G7D             | 27N        | 28.79           |
| 71   | 20 | 673        | 688       | 0.6653        | 0.0161 | ppm    | 18M2W7D             | 27N        | 28.23           |

#### 7.1.2 Form731\_ERP

| Band | BW | Lower Freq | High Freq | MAX Power (W) | Value  | Hz/ppm | Emission Designator | Rule Parts | MAX Power (dBm) |
|------|----|------------|-----------|---------------|--------|--------|---------------------|------------|-----------------|
| 71   | 5  | 665.5      | 695.5     | 0.4355        | 0.0190 | ppm    | 4M57G7D             | 27N        | 26.39           |
| 71   | 5  | 665.5      | 695.5     | 0.3690        | 0.0220 | ppm    | 4M59W7D             | 27N        | 25.67           |
| 71   | 10 | 668        | 693       | 0.4508        | 0.0159 | ppm    | 9M09G7D             | 27N        | 26.54           |
| 71   | 10 | 668        | 693       | 0.3673        | 0.0185 | ppm    | 9M09W7D             | 27N        | 25.65           |
| 71   | 15 | 670.5      | 690.5     | 0.4188        | 0.0158 | ppm    | 13M6G7D             | 27N        | 26.22           |
| 71   | 15 | 670.5      | 690.5     | 0.3475        | 0.0182 | ppm    | 13M6W7D             | 27N        | 25.41           |
| 71   | 20 | 673        | 688       | 0.4046        | 0.0176 | ppm    | 18M2G7D             | 27N        | 26.07           |
| 71   | 20 | 673        | 688       | 0.3556        | 0.0161 | ppm    | 18M2W7D             | 27N        | 25.51           |