

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

### 1.1 Test Result

#### 1.1.1 B66\_1.4MHz\_EIRP

| Band: 66 / Bandwidth: 1.4MHz / NTNV      |                 |               |        |                       |            |            |       |         |
|------------------------------------------|-----------------|---------------|--------|-----------------------|------------|------------|-------|---------|
| Modulation                               | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dBi) | EIRP (dBm) |       | Verdict |
|                                          |                 | Size          | Offset |                       |            | Result     | Limit |         |
| QPSK                                     | 1710.7          | 1             | 0      | 23.00                 | 3.00       | 26.00      | <=30  | Pass    |
|                                          |                 |               | 2      | 23.09                 | 3.00       | 26.09      | <=30  | Pass    |
|                                          |                 |               | 5      | 22.96                 | 3.00       | 25.96      | <=30  | Pass    |
|                                          |                 | 3             | 0      | 22.97                 | 3.00       | 25.97      | <=30  | Pass    |
|                                          |                 |               | 2      | 23.03                 | 3.00       | 26.03      | <=30  | Pass    |
|                                          |                 |               | 3      | 22.99                 | 3.00       | 25.99      | <=30  | Pass    |
|                                          |                 | 6             | 0      | 21.97                 | 3.00       | 24.97      | <=30  | Pass    |
|                                          | 1745            | 1             | 0      | 23.07                 | 3.00       | 26.07      | <=30  | Pass    |
|                                          |                 |               | 2      | 23.21                 | 3.00       | 26.21      | <=30  | Pass    |
|                                          |                 |               | 5      | 23.11                 | 3.00       | 26.11      | <=30  | Pass    |
|                                          |                 | 3             | 0      | 23.18                 | 3.00       | 26.18      | <=30  | Pass    |
|                                          |                 |               | 2      | 23.25                 | 3.00       | 26.25      | <=30  | Pass    |
|                                          |                 |               | 3      | 23.15                 | 3.00       | 26.15      | <=30  | Pass    |
|                                          |                 | 6             | 0      | 22.02                 | 3.00       | 25.02      | <=30  | Pass    |
|                                          | 1779.3          | 1             | 0      | 22.92                 | 3.00       | 25.92      | <=30  | Pass    |
|                                          |                 |               | 2      | 23.04                 | 3.00       | 26.04      | <=30  | Pass    |
|                                          |                 |               | 5      | 22.93                 | 3.00       | 25.93      | <=30  | Pass    |
|                                          |                 | 3             | 0      | 23.06                 | 3.00       | 26.06      | <=30  | Pass    |
|                                          |                 |               | 2      | 23.08                 | 3.00       | 26.08      | <=30  | Pass    |
|                                          |                 |               | 3      | 23.04                 | 3.00       | 26.04      | <=30  | Pass    |
|                                          |                 | 6             | 0      | 22.00                 | 3.00       | 25.00      | <=30  | Pass    |
| 16QAM                                    | 1710.7          | 1             | 0      | 21.87                 | 3.00       | 24.87      | <=30  | Pass    |
|                                          |                 |               | 2      | 21.96                 | 3.00       | 24.96      | <=30  | Pass    |
|                                          |                 |               | 5      | 21.87                 | 3.00       | 24.87      | <=30  | Pass    |
|                                          |                 | 3             | 0      | 21.87                 | 3.00       | 24.87      | <=30  | Pass    |
|                                          |                 |               | 2      | 21.94                 | 3.00       | 24.94      | <=30  | Pass    |
|                                          |                 |               | 3      | 21.89                 | 3.00       | 24.89      | <=30  | Pass    |
|                                          |                 | 6             | 0      | 20.97                 | 3.00       | 23.97      | <=30  | Pass    |
|                                          | 1745            | 1             | 0      | 22.49                 | 3.00       | 25.49      | <=30  | Pass    |
|                                          |                 |               | 2      | 22.64                 | 3.00       | 25.64      | <=30  | Pass    |
|                                          |                 |               | 5      | 22.47                 | 3.00       | 25.47      | <=30  | Pass    |
|                                          |                 | 3             | 0      | 22.26                 | 3.00       | 25.26      | <=30  | Pass    |
|                                          |                 |               | 2      | 22.28                 | 3.00       | 25.28      | <=30  | Pass    |
|                                          |                 |               | 3      | 22.28                 | 3.00       | 25.28      | <=30  | Pass    |
|                                          |                 | 6             | 0      | 21.06                 | 3.00       | 24.06      | <=30  | Pass    |
|                                          | 1779.3          | 1             | 0      | 22.02                 | 3.00       | 25.02      | <=30  | Pass    |
|                                          |                 |               | 2      | 22.08                 | 3.00       | 25.08      | <=30  | Pass    |
|                                          |                 |               | 5      | 22.00                 | 3.00       | 25.00      | <=30  | Pass    |
|                                          |                 | 3             | 0      | 22.16                 | 3.00       | 25.16      | <=30  | Pass    |
|                                          |                 |               | 2      | 22.20                 | 3.00       | 25.20      | <=30  | Pass    |
|                                          |                 |               | 3      | 22.14                 | 3.00       | 25.14      | <=30  | Pass    |
|                                          |                 | 6             | 0      | 21.06                 | 3.00       | 24.06      | <=30  | Pass    |
| Note1: EIRP=Conducted Power+Antenna Gain |                 |               |        |                       |            |            |       |         |

#### 1.1.2 B66\_3MHz\_EIRP

| Band: 66 / Bandwidth: 3MHz / NTV         |                 |               |        |                       |            |            |       |         |
|------------------------------------------|-----------------|---------------|--------|-----------------------|------------|------------|-------|---------|
| Modulation                               | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dBi) | EIRP (dBm) |       | Verdict |
|                                          |                 | Size          | Offset |                       |            | Result     | Limit |         |
| QPSK                                     | 1711.5          | 1             | 0      | 22.85                 | 3.00       | 25.85      | <=30  | Pass    |
|                                          |                 |               | 7      | 23.09                 | 3.00       | 26.09      | <=30  | Pass    |
|                                          |                 |               | 14     | 22.86                 | 3.00       | 25.86      | <=30  | Pass    |
|                                          |                 | 8             | 0      | 22.07                 | 3.00       | 25.07      | <=30  | Pass    |
|                                          |                 |               | 4      | 22.13                 | 3.00       | 25.13      | <=30  | Pass    |
|                                          |                 |               | 7      | 22.05                 | 3.00       | 25.05      | <=30  | Pass    |
|                                          |                 | 15            | 0      | 22.06                 | 3.00       | 25.06      | <=30  | Pass    |
|                                          | 1745            | 1             | 0      | 23.03                 | 3.00       | 26.03      | <=30  | Pass    |
|                                          |                 |               | 7      | 23.30                 | 3.00       | 26.30      | <=30  | Pass    |
|                                          |                 |               | 14     | 23.06                 | 3.00       | 26.06      | <=30  | Pass    |
|                                          |                 | 8             | 0      | 22.11                 | 3.00       | 25.11      | <=30  | Pass    |
|                                          |                 |               | 4      | 22.22                 | 3.00       | 25.22      | <=30  | Pass    |
|                                          |                 |               | 7      | 22.12                 | 3.00       | 25.12      | <=30  | Pass    |
|                                          | 15              | 0             | 22.13  | 3.00                  | 25.13      | <=30       | Pass  |         |
|                                          | 1778.5          | 1             | 0      | 22.96                 | 3.00       | 25.96      | <=30  | Pass    |
|                                          |                 |               | 7      | 23.21                 | 3.00       | 26.21      | <=30  | Pass    |
|                                          |                 |               | 14     | 22.99                 | 3.00       | 25.99      | <=30  | Pass    |
|                                          |                 | 8             | 0      | 22.08                 | 3.00       | 25.08      | <=30  | Pass    |
|                                          |                 |               | 4      | 22.14                 | 3.00       | 25.14      | <=30  | Pass    |
|                                          |                 |               | 7      | 22.07                 | 3.00       | 25.07      | <=30  | Pass    |
|                                          |                 | 15            | 0      | 22.06                 | 3.00       | 25.06      | <=30  | Pass    |
| 16QAM                                    |                 | 1711.5        | 1      | 0                     | 21.88      | 3.00       | 24.88 | <=30    |
|                                          | 7               |               |        | 22.12                 | 3.00       | 25.12      | <=30  | Pass    |
|                                          | 14              |               |        | 21.90                 | 3.00       | 24.90      | <=30  | Pass    |
|                                          | 8               |               | 0      | 21.06                 | 3.00       | 24.06      | <=30  | Pass    |
|                                          |                 |               | 4      | 21.13                 | 3.00       | 24.13      | <=30  | Pass    |
|                                          |                 |               | 7      | 21.08                 | 3.00       | 24.08      | <=30  | Pass    |
|                                          | 15              |               | 0      | 21.00                 | 3.00       | 24.00      | <=30  | Pass    |
|                                          | 1745            | 1             | 0      | 22.00                 | 3.00       | 25.00      | <=30  | Pass    |
|                                          |                 |               | 7      | 22.24                 | 3.00       | 25.24      | <=30  | Pass    |
|                                          |                 |               | 14     | 22.03                 | 3.00       | 25.03      | <=30  | Pass    |
|                                          |                 | 8             | 0      | 21.18                 | 3.00       | 24.18      | <=30  | Pass    |
|                                          |                 |               | 4      | 21.21                 | 3.00       | 24.21      | <=30  | Pass    |
|                                          |                 |               | 7      | 21.19                 | 3.00       | 24.19      | <=30  | Pass    |
|                                          | 15              | 0             | 21.28  | 3.00                  | 24.28      | <=30       | Pass  |         |
|                                          | 1778.5          | 1             | 0      | 22.31                 | 3.00       | 25.31      | <=30  | Pass    |
|                                          |                 |               | 7      | 22.57                 | 3.00       | 25.57      | <=30  | Pass    |
|                                          |                 |               | 14     | 22.35                 | 3.00       | 25.35      | <=30  | Pass    |
|                                          |                 | 8             | 0      | 21.17                 | 3.00       | 24.17      | <=30  | Pass    |
|                                          |                 |               | 4      | 21.23                 | 3.00       | 24.23      | <=30  | Pass    |
|                                          |                 |               | 7      | 21.14                 | 3.00       | 24.14      | <=30  | Pass    |
|                                          |                 | 15            | 0      | 21.15                 | 3.00       | 24.15      | <=30  | Pass    |
| Note1: EIRP=Conducted Power+Antenna Gain |                 |               |        |                       |            |            |       |         |

### 1.1.3 B66\_5MHz\_EIRP

| Band: 66 / Bandwidth: 5MHz / NTNV |                 |               |        |                       |            |            |       |         |
|-----------------------------------|-----------------|---------------|--------|-----------------------|------------|------------|-------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dBi) | EIRP (dBm) |       | Verdict |
|                                   |                 | Size          | Offset |                       |            | Result     | Limit |         |
| QPSK                              | 1712.5          | 1             | 0      | 22.80                 | 3.00       | 25.80      | <=30  | Pass    |
|                                   |                 |               | 13     | 23.07                 | 3.00       | 26.07      | <=30  | Pass    |
|                                   |                 |               | 24     | 22.83                 | 3.00       | 25.83      | <=30  | Pass    |

|                                          |        |    |       |       |       |       |      |      |
|------------------------------------------|--------|----|-------|-------|-------|-------|------|------|
|                                          |        | 12 | 0     | 22.03 | 3.00  | 25.03 | <=30 | Pass |
|                                          |        |    | 6     | 22.08 | 3.00  | 25.08 | <=30 | Pass |
|                                          |        |    | 13    | 22.00 | 3.00  | 25.00 | <=30 | Pass |
|                                          |        | 25 | 0     | 21.98 | 3.00  | 24.98 | <=30 | Pass |
|                                          | 1745   | 1  | 0     | 22.96 | 3.00  | 25.96 | <=30 | Pass |
|                                          |        |    | 13    | 23.21 | 3.00  | 26.21 | <=30 | Pass |
|                                          |        |    | 24    | 22.97 | 3.00  | 25.97 | <=30 | Pass |
|                                          |        | 12 | 0     | 22.11 | 3.00  | 25.11 | <=30 | Pass |
|                                          |        |    | 6     | 22.22 | 3.00  | 25.22 | <=30 | Pass |
|                                          |        |    | 13    | 22.10 | 3.00  | 25.10 | <=30 | Pass |
|                                          |        | 25 | 0     | 22.14 | 3.00  | 25.14 | <=30 | Pass |
|                                          | 1777.5 | 1  | 0     | 22.86 | 3.00  | 25.86 | <=30 | Pass |
|                                          |        |    | 13    | 23.13 | 3.00  | 26.13 | <=30 | Pass |
|                                          |        |    | 24    | 22.89 | 3.00  | 25.89 | <=30 | Pass |
|                                          |        | 12 | 0     | 22.04 | 3.00  | 25.04 | <=30 | Pass |
|                                          |        |    | 6     | 22.12 | 3.00  | 25.12 | <=30 | Pass |
|                                          |        |    | 13    | 22.02 | 3.00  | 25.02 | <=30 | Pass |
|                                          | 25     | 0  | 22.08 | 3.00  | 25.08 | <=30  | Pass |      |
| 16QAM                                    | 1712.5 | 1  | 0     | 21.94 | 3.00  | 24.94 | <=30 | Pass |
|                                          |        |    | 13    | 22.17 | 3.00  | 25.17 | <=30 | Pass |
|                                          |        |    | 24    | 21.93 | 3.00  | 24.93 | <=30 | Pass |
|                                          |        | 12 | 0     | 21.05 | 3.00  | 24.05 | <=30 | Pass |
|                                          |        |    | 6     | 21.13 | 3.00  | 24.13 | <=30 | Pass |
|                                          |        |    | 13    | 21.04 | 3.00  | 24.04 | <=30 | Pass |
|                                          | 25     | 0  | 21.04 | 3.00  | 24.04 | <=30  | Pass |      |
|                                          | 1745   | 1  | 0     | 22.47 | 3.00  | 25.47 | <=30 | Pass |
|                                          |        |    | 13    | 22.73 | 3.00  | 25.73 | <=30 | Pass |
|                                          |        |    | 24    | 22.46 | 3.00  | 25.46 | <=30 | Pass |
|                                          |        | 12 | 0     | 21.19 | 3.00  | 24.19 | <=30 | Pass |
|                                          |        |    | 6     | 21.29 | 3.00  | 24.29 | <=30 | Pass |
|                                          |        |    | 13    | 21.18 | 3.00  | 24.18 | <=30 | Pass |
|                                          | 25     | 0  | 21.15 | 3.00  | 24.15 | <=30  | Pass |      |
|                                          | 1777.5 | 1  | 0     | 21.87 | 3.00  | 24.87 | <=30 | Pass |
|                                          |        |    | 13    | 22.10 | 3.00  | 25.10 | <=30 | Pass |
|                                          |        |    | 24    | 21.87 | 3.00  | 24.87 | <=30 | Pass |
|                                          |        | 12 | 0     | 21.12 | 3.00  | 24.12 | <=30 | Pass |
|                                          |        |    | 6     | 21.24 | 3.00  | 24.24 | <=30 | Pass |
|                                          |        |    | 13    | 21.11 | 3.00  | 24.11 | <=30 | Pass |
|                                          | 25     | 0  | 21.16 | 3.00  | 24.16 | <=30  | Pass |      |
| Note1: EIRP=Conducted Power+Antenna Gain |        |    |       |       |       |       |      |      |

#### 1.1.4 B66\_10MHz\_EIRP

| Band: 66 / Bandwidth: 10MHz / NTNV |                 |               |        |                       |            |            |       |         |
|------------------------------------|-----------------|---------------|--------|-----------------------|------------|------------|-------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dBi) | EIRP (dBm) |       | Verdict |
|                                    |                 | Size          | Offset |                       |            | Result     | Limit |         |
| QPSK                               | 1715            | 1             | 0      | 22.98                 | 3.00       | 25.98      | <=30  | Pass    |
|                                    |                 |               | 25     | 23.01                 | 3.00       | 26.01      | <=30  | Pass    |
|                                    |                 |               | 49     | 22.90                 | 3.00       | 25.90      | <=30  | Pass    |
|                                    |                 | 25            | 0      | 22.04                 | 3.00       | 25.04      | <=30  | Pass    |
|                                    |                 |               | 13     | 22.09                 | 3.00       | 25.09      | <=30  | Pass    |
|                                    |                 |               | 25     | 22.04                 | 3.00       | 25.04      | <=30  | Pass    |
|                                    |                 | 50            | 0      | 22.05                 | 3.00       | 25.05      | <=30  | Pass    |
|                                    | 1745            | 1             | 0      | 23.14                 | 3.00       | 26.14      | <=30  | Pass    |
|                                    |                 |               | 25     | 23.18                 | 3.00       | 26.18      | <=30  | Pass    |

|                                          |      |       |       |       |       |       |       |       |      |      |
|------------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|------|------|
|                                          |      | 25    | 49    | 23.18 | 3.00  | 26.18 | <=30  | Pass  |      |      |
|                                          |      |       | 0     | 22.16 | 3.00  | 25.16 | <=30  | Pass  |      |      |
|                                          |      |       | 13    | 22.15 | 3.00  | 25.15 | <=30  | Pass  |      |      |
|                                          |      |       | 25    | 22.17 | 3.00  | 25.17 | <=30  | Pass  |      |      |
|                                          |      | 50    | 0     | 22.17 | 3.00  | 25.17 | <=30  | Pass  |      |      |
|                                          | 1775 | 1     | 0     | 23.02 | 3.00  | 26.02 | <=30  | Pass  |      |      |
|                                          |      |       | 25    | 23.05 | 3.00  | 26.05 | <=30  | Pass  |      |      |
|                                          |      |       | 49    | 23.02 | 3.00  | 26.02 | <=30  | Pass  |      |      |
|                                          |      | 25    | 0     | 22.01 | 3.00  | 25.01 | <=30  | Pass  |      |      |
|                                          |      |       | 13    | 22.06 | 3.00  | 25.06 | <=30  | Pass  |      |      |
|                                          |      |       | 25    | 22.04 | 3.00  | 25.04 | <=30  | Pass  |      |      |
|                                          |      | 50    | 0     | 22.04 | 3.00  | 25.04 | <=30  | Pass  |      |      |
|                                          |      | 16QAM | 1715  | 1     | 0     | 22.03 | 3.00  | 25.03 | <=30 | Pass |
|                                          |      |       |       |       | 25    | 22.09 | 3.00  | 25.09 | <=30 | Pass |
|                                          | 49   |       |       |       | 22.00 | 3.00  | 25.00 | <=30  | Pass |      |
|                                          | 25   |       |       | 0     | 21.14 | 3.00  | 24.14 | <=30  | Pass |      |
| 13                                       |      |       |       | 21.11 | 3.00  | 24.11 | <=30  | Pass  |      |      |
| 25                                       |      |       |       | 21.08 | 3.00  | 24.08 | <=30  | Pass  |      |      |
| 50                                       | 0    |       | 21.10 | 3.00  | 24.10 | <=30  | Pass  |       |      |      |
| 1745                                     | 1    |       | 0     | 22.09 | 3.00  | 25.09 | <=30  | Pass  |      |      |
|                                          |      |       | 25    | 22.16 | 3.00  | 25.16 | <=30  | Pass  |      |      |
|                                          |      |       | 49    | 22.10 | 3.00  | 25.10 | <=30  | Pass  |      |      |
|                                          | 25   |       | 0     | 21.25 | 3.00  | 24.25 | <=30  | Pass  |      |      |
|                                          |      |       | 13    | 21.25 | 3.00  | 24.25 | <=30  | Pass  |      |      |
|                                          |      |       | 25    | 21.22 | 3.00  | 24.22 | <=30  | Pass  |      |      |
| 50                                       | 0    |       | 21.18 | 3.00  | 24.18 | <=30  | Pass  |       |      |      |
| 1775                                     | 1    |       | 0     | 22.42 | 3.00  | 25.42 | <=30  | Pass  |      |      |
|                                          |      | 25    | 22.49 | 3.00  | 25.49 | <=30  | Pass  |       |      |      |
|                                          |      | 49    | 22.39 | 3.00  | 25.39 | <=30  | Pass  |       |      |      |
|                                          | 25   | 0     | 21.10 | 3.00  | 24.10 | <=30  | Pass  |       |      |      |
|                                          |      | 13    | 21.06 | 3.00  | 24.06 | <=30  | Pass  |       |      |      |
|                                          |      | 25    | 21.07 | 3.00  | 24.07 | <=30  | Pass  |       |      |      |
| 50                                       | 0    | 21.05 | 3.00  | 24.05 | <=30  | Pass  |       |       |      |      |
| Note1: EIRP=Conducted Power+Antenna Gain |      |       |       |       |       |       |       |       |      |      |

Note1: EIRP=Conducted Power+Antenna Gain

### 1.1.5 B66\_15MHz\_EIRP

| Band: 66 / Bandwidth: 15MHz / NTNV |                 |               |        |                       |            |            |       |         |
|------------------------------------|-----------------|---------------|--------|-----------------------|------------|------------|-------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dBi) | EIRP (dBm) |       | Verdict |
|                                    |                 | Size          | Offset |                       |            | Result     | Limit |         |
| QPSK                               | 1717.5          | 1             | 0      | 22.98                 | 3.00       | 25.98      | <=30  | Pass    |
|                                    |                 |               | 38     | 23.09                 | 3.00       | 26.09      | <=30  | Pass    |
|                                    |                 |               | 74     | 23.02                 | 3.00       | 26.02      | <=30  | Pass    |
|                                    |                 | 36            | 0      | 22.03                 | 3.00       | 25.03      | <=30  | Pass    |
|                                    |                 |               | 18     | 22.14                 | 3.00       | 25.14      | <=30  | Pass    |
|                                    |                 |               | 39     | 22.00                 | 3.00       | 25.00      | <=30  | Pass    |
|                                    |                 | 75            | 0      | 22.08                 | 3.00       | 25.08      | <=30  | Pass    |
|                                    | 1745            | 1             | 0      | 23.11                 | 3.00       | 26.11      | <=30  | Pass    |
|                                    |                 |               | 38     | 23.28                 | 3.00       | 26.28      | <=30  | Pass    |
|                                    |                 |               | 74     | 23.18                 | 3.00       | 26.18      | <=30  | Pass    |
|                                    |                 | 36            | 0      | 22.03                 | 3.00       | 25.03      | <=30  | Pass    |
|                                    |                 |               | 18     | 22.15                 | 3.00       | 25.15      | <=30  | Pass    |
|                                    |                 |               | 39     | 22.06                 | 3.00       | 25.06      | <=30  | Pass    |
|                                    |                 | 75            | 0      | 22.11                 | 3.00       | 25.11      | <=30  | Pass    |
|                                    | 1772.5          | 1             | 0      | 23.02                 | 3.00       | 26.02      | <=30  | Pass    |

|       |                                          |    |    |       |      |       |      |      |  |
|-------|------------------------------------------|----|----|-------|------|-------|------|------|--|
|       |                                          |    | 38 | 23.06 | 3.00 | 26.06 | <=30 | Pass |  |
|       |                                          |    | 74 | 23.00 | 3.00 | 26.00 | <=30 | Pass |  |
|       |                                          | 36 | 0  | 21.96 | 3.00 | 24.96 | <=30 | Pass |  |
|       |                                          |    | 18 | 22.06 | 3.00 | 25.06 | <=30 | Pass |  |
|       |                                          |    | 39 | 21.97 | 3.00 | 24.97 | <=30 | Pass |  |
|       |                                          | 75 | 0  | 21.97 | 3.00 | 24.97 | <=30 | Pass |  |
| 16QAM | 1717.5                                   | 1  | 0  | 21.98 | 3.00 | 24.98 | <=30 | Pass |  |
|       |                                          |    | 38 | 22.20 | 3.00 | 25.20 | <=30 | Pass |  |
|       |                                          |    | 74 | 22.00 | 3.00 | 25.00 | <=30 | Pass |  |
|       |                                          | 36 | 0  | 20.90 | 3.00 | 23.90 | <=30 | Pass |  |
|       |                                          |    | 18 | 21.00 | 3.00 | 24.00 | <=30 | Pass |  |
|       |                                          |    | 39 | 20.98 | 3.00 | 23.98 | <=30 | Pass |  |
|       |                                          | 75 | 0  | 21.06 | 3.00 | 24.06 | <=30 | Pass |  |
|       | 1745                                     | 1  | 0  | 22.09 | 3.00 | 25.09 | <=30 | Pass |  |
|       |                                          |    | 38 | 22.24 | 3.00 | 25.24 | <=30 | Pass |  |
|       |                                          |    | 74 | 22.13 | 3.00 | 25.13 | <=30 | Pass |  |
|       |                                          | 36 | 0  | 21.06 | 3.00 | 24.06 | <=30 | Pass |  |
|       |                                          |    | 18 | 21.22 | 3.00 | 24.22 | <=30 | Pass |  |
|       |                                          |    | 39 | 21.12 | 3.00 | 24.12 | <=30 | Pass |  |
|       |                                          | 75 | 0  | 21.13 | 3.00 | 24.13 | <=30 | Pass |  |
|       | 1772.5                                   | 1  | 0  | 22.05 | 3.00 | 25.05 | <=30 | Pass |  |
|       |                                          |    | 38 | 22.12 | 3.00 | 25.12 | <=30 | Pass |  |
|       |                                          |    | 74 | 21.98 | 3.00 | 24.98 | <=30 | Pass |  |
|       |                                          | 36 | 0  | 20.98 | 3.00 | 23.98 | <=30 | Pass |  |
|       |                                          |    | 18 | 21.09 | 3.00 | 24.09 | <=30 | Pass |  |
|       |                                          |    | 39 | 20.96 | 3.00 | 23.96 | <=30 | Pass |  |
|       |                                          | 75 | 0  | 21.00 | 3.00 | 24.00 | <=30 | Pass |  |
|       | Note1: EIRP=Conducted Power+Antenna Gain |    |    |       |      |       |      |      |  |

### 1.1.6 B66\_20MHz\_EIRP

| Band: 66 / Bandwidth: 20MHz / NTNV |                 |               |        |                       |            |            |       |         |
|------------------------------------|-----------------|---------------|--------|-----------------------|------------|------------|-------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation |        | Conducted Power (dBm) | Gain (dBi) | EIRP (dBm) |       | Verdict |
|                                    |                 | Size          | Offset |                       |            | Result     | Limit |         |
| QPSK                               | 1720            | 1             | 0      | 22.99                 | 3.00       | 25.99      | <=30  | Pass    |
|                                    |                 |               | 50     | 23.08                 | 3.00       | 26.08      | <=30  | Pass    |
|                                    |                 |               | 99     | 22.87                 | 3.00       | 25.87      | <=30  | Pass    |
|                                    |                 | 50            | 0      | 21.93                 | 3.00       | 24.93      | <=30  | Pass    |
|                                    |                 |               | 25     | 22.04                 | 3.00       | 25.04      | <=30  | Pass    |
|                                    |                 |               | 50     | 21.97                 | 3.00       | 24.97      | <=30  | Pass    |
|                                    |                 | 100           | 0      | 22.02                 | 3.00       | 25.02      | <=30  | Pass    |
|                                    | 1745            | 1             | 0      | 22.96                 | 3.00       | 25.96      | <=30  | Pass    |
|                                    |                 |               | 50     | 23.22                 | 3.00       | 26.22      | <=30  | Pass    |
|                                    |                 |               | 99     | 23.13                 | 3.00       | 26.13      | <=30  | Pass    |
|                                    |                 | 50            | 0      | 22.15                 | 3.00       | 25.15      | <=30  | Pass    |
|                                    |                 |               | 25     | 22.13                 | 3.00       | 25.13      | <=30  | Pass    |
|                                    |                 |               | 50     | 22.14                 | 3.00       | 25.14      | <=30  | Pass    |
|                                    |                 | 100           | 0      | 22.15                 | 3.00       | 25.15      | <=30  | Pass    |
|                                    | 1770            | 1             | 0      | 23.02                 | 3.00       | 26.02      | <=30  | Pass    |
|                                    |                 |               | 50     | 23.07                 | 3.00       | 26.07      | <=30  | Pass    |
|                                    |                 |               | 99     | 22.97                 | 3.00       | 25.97      | <=30  | Pass    |
|                                    |                 | 50            | 0      | 22.07                 | 3.00       | 25.07      | <=30  | Pass    |
|                                    |                 |               | 25     | 22.01                 | 3.00       | 25.01      | <=30  | Pass    |
|                                    |                 |               | 50     | 22.02                 | 3.00       | 25.02      | <=30  | Pass    |
|                                    |                 | 100           | 0      | 22.00                 | 3.00       | 25.00      | <=30  | Pass    |

|                                          |      |     |    |       |      |       |      |      |
|------------------------------------------|------|-----|----|-------|------|-------|------|------|
| 16QAM                                    | 1720 | 1   | 0  | 22.04 | 3.00 | 25.04 | <=30 | Pass |
|                                          |      |     | 50 | 22.15 | 3.00 | 25.15 | <=30 | Pass |
|                                          |      |     | 99 | 21.99 | 3.00 | 24.99 | <=30 | Pass |
|                                          |      | 50  | 0  | 21.01 | 3.00 | 24.01 | <=30 | Pass |
|                                          |      |     | 25 | 21.06 | 3.00 | 24.06 | <=30 | Pass |
|                                          |      |     | 50 | 21.02 | 3.00 | 24.02 | <=30 | Pass |
|                                          |      | 100 | 0  | 21.08 | 3.00 | 24.08 | <=30 | Pass |
|                                          | 1745 | 1   | 0  | 22.03 | 3.00 | 25.03 | <=30 | Pass |
|                                          |      |     | 50 | 22.38 | 3.00 | 25.38 | <=30 | Pass |
|                                          |      |     | 99 | 22.04 | 3.00 | 25.04 | <=30 | Pass |
|                                          |      | 50  | 0  | 21.16 | 3.00 | 24.16 | <=30 | Pass |
|                                          |      |     | 25 | 21.22 | 3.00 | 24.22 | <=30 | Pass |
|                                          |      |     | 50 | 21.25 | 3.00 | 24.25 | <=30 | Pass |
|                                          |      | 100 | 0  | 21.21 | 3.00 | 24.21 | <=30 | Pass |
|                                          | 1770 | 1   | 0  | 22.12 | 3.00 | 25.12 | <=30 | Pass |
|                                          |      |     | 50 | 22.16 | 3.00 | 25.16 | <=30 | Pass |
|                                          |      |     | 99 | 22.05 | 3.00 | 25.05 | <=30 | Pass |
|                                          |      | 50  | 0  | 21.05 | 3.00 | 24.05 | <=30 | Pass |
|                                          |      |     | 25 | 21.06 | 3.00 | 24.06 | <=30 | Pass |
|                                          |      |     | 50 | 21.06 | 3.00 | 24.06 | <=30 | Pass |
|                                          |      | 100 | 0  | 21.09 | 3.00 | 24.09 | <=30 | Pass |
| Note1: EIRP=Conducted Power+Antenna Gain |      |     |    |       |      |       |      |      |

## 2. Frequency Stability

### 2.1 Test Result

#### 2.1.1 B66\_1.4MHz

| Band: 66 / Bandwidth: 1.4MHz |                 |               |        |            |               |                  |                       |             |         |
|------------------------------|-----------------|---------------|--------|------------|---------------|------------------|-----------------------|-------------|---------|
| Modulation                   | Frequency (MHz) | RB Allocation |        | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) |             | Verdict |
|                              |                 | Size          | Offset |            |               |                  | Result                | Limit       |         |
| QPSK                         | 1710.7          | 6             | 0      | 20         | 3.27          | 1.453            | 0.0008                | -2.5 to 2.5 | Pass    |
|                              |                 |               |        |            | 3.85          | 2.538            | 0.0015                | -2.5 to 2.5 | Pass    |
|                              |                 |               |        |            | 4.43          | -3.215           | -0.0019               | -2.5 to 2.5 | Pass    |
|                              |                 |               |        | -30        | 3.85          | 2.968            | 0.0017                | -2.5 to 2.5 | Pass    |
|                              |                 |               |        | -20        | 3.85          | 4.194            | 0.0025                | -2.5 to 2.5 | Pass    |
|                              |                 |               |        | -10        | 3.85          | 1.992            | 0.0012                | -2.5 to 2.5 | Pass    |
|                              |                 |               |        | 0          | 3.85          | -0.855           | -0.0005               | -2.5 to 2.5 | Pass    |
|                              |                 |               |        | 10         | 3.85          | -3.230           | -0.0019               | -2.5 to 2.5 | Pass    |
|                              |                 |               |        | 30         | 3.85          | -8.621           | -0.0050               | -2.5 to 2.5 | Pass    |
|                              |                 |               |        | 40         | 3.85          | 5.168            | 0.0030                | -2.5 to 2.5 | Pass    |
|                              |                 |               |        | 50         | 3.85          | 0.754            | 0.0004                | -2.5 to 2.5 | Pass    |
|                              | 1745            | 6             | 0      | 20         | 3.27          | 16.742           | 0.0096                | -2.5 to 2.5 | Pass    |
|                              |                 |               |        |            | 3.85          | 4.886            | 0.0028                | -2.5 to 2.5 | Pass    |
|                              |                 |               |        |            | 4.43          | 7.313            | 0.0042                | -2.5 to 2.5 | Pass    |
|                              |                 |               |        | -30        | 3.85          | 7.390            | 0.0042                | -2.5 to 2.5 | Pass    |
|                              |                 |               |        | -20        | 3.85          | 14.741           | 0.0084                | -2.5 to 2.5 | Pass    |
|                              |                 |               |        | -10        | 3.85          | 13.463           | 0.0077                | -2.5 to 2.5 | Pass    |
|                              |                 |               |        | 0          | 3.85          | 9.545            | 0.0055                | -2.5 to 2.5 | Pass    |
|                              |                 |               |        | 10         | 3.85          | 4.521            | 0.0026                | -2.5 to 2.5 | Pass    |
|                              |                 |               |        | 30         | 3.85          | -1.202           | -0.0007               | -2.5 to 2.5 | Pass    |
|                              |                 |               |        | 40         | 3.85          | -4.747           | -0.0027               | -2.5 to 2.5 | Pass    |
|                              |                 |               |        | 50         | 3.85          | -5.487           | -0.0031               | -2.5 to 2.5 | Pass    |

|       |        |   |   |     |      |         |         |             |      |
|-------|--------|---|---|-----|------|---------|---------|-------------|------|
|       | 1779.3 | 6 | 0 | 20  | 3.27 | -6.477  | -0.0036 | -2.5 to 2.5 | Pass |
|       |        |   |   |     | 3.85 | -3.749  | -0.0021 | -2.5 to 2.5 | Pass |
|       |        |   |   |     | 4.43 | -3.439  | -0.0019 | -2.5 to 2.5 | Pass |
|       |        |   |   | -30 | 3.85 | -3.611  | -0.0020 | -2.5 to 2.5 | Pass |
|       |        |   |   | -20 | 3.85 | -2.709  | -0.0015 | -2.5 to 2.5 | Pass |
|       |        |   |   | -10 | 3.85 | -6.665  | -0.0037 | -2.5 to 2.5 | Pass |
|       |        |   |   | 0   | 3.85 | -9.330  | -0.0052 | -2.5 to 2.5 | Pass |
|       |        |   |   | 10  | 3.85 | -8.946  | -0.0050 | -2.5 to 2.5 | Pass |
|       |        |   |   | 30  | 3.85 | -7.563  | -0.0043 | -2.5 to 2.5 | Pass |
|       |        |   |   | 40  | 3.85 | -13.555 | -0.0076 | -2.5 to 2.5 | Pass |
| 16QAM | 1710.7 | 6 | 0 | 20  | 3.27 | -4.648  | -0.0027 | -2.5 to 2.5 | Pass |
|       |        |   |   |     | 3.85 | -5.477  | -0.0032 | -2.5 to 2.5 | Pass |
|       |        |   |   |     | 4.43 | -3.607  | -0.0021 | -2.5 to 2.5 | Pass |
|       |        |   |   | -30 | 3.85 | 4.012   | 0.0023  | -2.5 to 2.5 | Pass |
|       |        |   |   | -20 | 3.85 | -9.555  | -0.0056 | -2.5 to 2.5 | Pass |
|       |        |   |   | -10 | 3.85 | -4.103  | -0.0024 | -2.5 to 2.5 | Pass |
|       |        |   |   | 0   | 3.85 | 1.863   | 0.0011  | -2.5 to 2.5 | Pass |
|       |        |   |   | 10  | 3.85 | 3.192   | 0.0019  | -2.5 to 2.5 | Pass |
|       |        |   |   | 30  | 3.85 | -9.422  | -0.0055 | -2.5 to 2.5 | Pass |
|       |        |   |   | 40  | 3.85 | -6.157  | -0.0036 | -2.5 to 2.5 | Pass |
|       | 1745   | 6 | 0 | 20  | 3.27 | -7.692  | -0.0044 | -2.5 to 2.5 | Pass |
|       |        |   |   |     | 3.85 | -5.637  | -0.0032 | -2.5 to 2.5 | Pass |
|       |        |   |   |     | 4.43 | 0.288   | 0.0002  | -2.5 to 2.5 | Pass |
|       |        |   |   | -30 | 3.85 | 6.568   | 0.0038  | -2.5 to 2.5 | Pass |
|       |        |   |   | -20 | 3.85 | -3.389  | -0.0019 | -2.5 to 2.5 | Pass |
|       |        |   |   | -10 | 3.85 | -0.293  | -0.0002 | -2.5 to 2.5 | Pass |
|       |        |   |   | 0   | 3.85 | 2.060   | 0.0012  | -2.5 to 2.5 | Pass |
|       |        |   |   | 10  | 3.85 | -7.121  | -0.0041 | -2.5 to 2.5 | Pass |
|       |        |   |   | 30  | 3.85 | -0.781  | -0.0004 | -2.5 to 2.5 | Pass |
|       |        |   |   | 40  | 3.85 | 4.637   | 0.0027  | -2.5 to 2.5 | Pass |
|       | 1779.3 | 6 | 0 | 20  | 3.27 | -10.560 | -0.0059 | -2.5 to 2.5 | Pass |
|       |        |   |   |     | 3.85 | -14.481 | -0.0081 | -2.5 to 2.5 | Pass |
|       |        |   |   |     | 4.43 | -11.841 | -0.0067 | -2.5 to 2.5 | Pass |
|       |        |   |   | -30 | 3.85 | -4.733  | -0.0027 | -2.5 to 2.5 | Pass |
|       |        |   |   | -20 | 3.85 | -15.764 | -0.0089 | -2.5 to 2.5 | Pass |
|       |        |   |   | -10 | 3.85 | -12.115 | -0.0068 | -2.5 to 2.5 | Pass |
|       |        |   |   | 0   | 3.85 | -2.585  | -0.0015 | -2.5 to 2.5 | Pass |
|       |        |   |   | 10  | 3.85 | -13.540 | -0.0076 | -2.5 to 2.5 | Pass |
|       |        |   |   | 30  | 3.85 | -5.752  | -0.0032 | -2.5 to 2.5 | Pass |
|       |        |   |   | 40  | 3.85 | -0.884  | -0.0005 | -2.5 to 2.5 | Pass |
|       |        |   |   | 50  | 3.85 | -11.425 | -0.0064 | -2.5 to 2.5 | Pass |

### 2.1.2 B66\_3MHz

| Band: 66 / Bandwidth: 3MHz |                 |               |        |            |               |                  |                       |             |         |
|----------------------------|-----------------|---------------|--------|------------|---------------|------------------|-----------------------|-------------|---------|
| Modulation                 | Frequency (MHz) | RB Allocation |        | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) |             | Verdict |
|                            |                 | Size          | Offset |            |               |                  | Result                | Limit       |         |
| QPSK                       | 1711.5          | 15            | 0      | 20         | 3.27          | 5.222            | 0.0031                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | 3.445            | 0.0020                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | -1.161           | -0.0007               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | 2.959            | 0.0017                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | 6.463            | 0.0038                | -2.5 to 2.5 | Pass    |

|       |        |    |   |     |      |         |         |             |      |
|-------|--------|----|---|-----|------|---------|---------|-------------|------|
|       |        |    |   | -10 | 3.85 | 9.584   | 0.0056  | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 3.85 | 12.618  | 0.0074  | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 3.85 | -0.809  | -0.0005 | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 3.85 | 6.146   | 0.0036  | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 3.85 | 6.617   | 0.0039  | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 3.85 | 6.680   | 0.0039  | -2.5 to 2.5 | Pass |
|       | 1745   | 15 | 0 | 20  | 3.27 | 3.646   | 0.0021  | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 3.85 | 6.632   | 0.0038  | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 4.43 | 4.749   | 0.0027  | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 3.85 | -1.804  | -0.0010 | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 3.85 | -4.842  | -0.0028 | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 3.85 | 1.683   | 0.0010  | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 3.85 | 5.441   | 0.0031  | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 3.85 | -0.917  | -0.0005 | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 3.85 | -4.068  | -0.0023 | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 3.85 | 2.026   | 0.0012  | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 3.85 | 7.131   | 0.0041  | -2.5 to 2.5 | Pass |
|       |        |    |   | 20  | 3.27 | 3.575   | 0.0020  | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 3.85 | 1.781   | 0.0010  | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 4.43 | 2.586   | 0.0015  | -2.5 to 2.5 | Pass |
|       | 1778.5 | 15 | 0 | -30 | 3.85 | 2.522   | 0.0014  | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 3.85 | 0.365   | 0.0002  | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 3.85 | -0.158  | -0.0001 | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 3.85 | 1.486   | 0.0008  | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 3.85 | 1.045   | 0.0006  | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 3.85 | 1.740   | 0.0010  | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 3.85 | 0.006   | 0.0000  | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 3.85 | 0.962   | 0.0005  | -2.5 to 2.5 | Pass |
| 16QAM | 1711.5 | 15 | 0 | 20  | 3.27 | -1.017  | -0.0006 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 3.85 | 10.510  | 0.0061  | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 4.43 | 13.591  | 0.0079  | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 3.85 | 4.984   | 0.0029  | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 3.85 | 2.654   | 0.0016  | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 3.85 | 10.259  | 0.0060  | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 3.85 | 7.257   | 0.0042  | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 3.85 | 1.092   | 0.0006  | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 3.85 | 4.556   | 0.0027  | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 3.85 | 8.470   | 0.0049  | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 3.85 | 10.843  | 0.0063  | -2.5 to 2.5 | Pass |
|       | 1745   | 15 | 0 | 20  | 3.27 | 4.619   | 0.0026  | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 3.85 | 4.046   | 0.0023  | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 4.43 | -5.358  | -0.0031 | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 3.85 | -1.086  | -0.0006 | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 3.85 | 4.659   | 0.0027  | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 3.85 | -5.350  | -0.0031 | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 3.85 | 0.030   | 0.0000  | -2.5 to 2.5 | Pass |
|       |        |    |   | 10  | 3.85 | 2.963   | 0.0017  | -2.5 to 2.5 | Pass |
|       |        |    |   | 30  | 3.85 | -3.916  | -0.0022 | -2.5 to 2.5 | Pass |
|       |        |    |   | 40  | 3.85 | 2.856   | 0.0016  | -2.5 to 2.5 | Pass |
|       |        |    |   | 50  | 3.85 | 4.356   | 0.0025  | -2.5 to 2.5 | Pass |
|       | 1778.5 | 15 | 0 | 20  | 3.27 | 2.103   | 0.0012  | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 3.85 | -5.963  | -0.0034 | -2.5 to 2.5 | Pass |
|       |        |    |   |     | 4.43 | 0.529   | 0.0003  | -2.5 to 2.5 | Pass |
|       |        |    |   | -30 | 3.85 | -10.396 | -0.0058 | -2.5 to 2.5 | Pass |
|       |        |    |   | -20 | 3.85 | 0.848   | 0.0005  | -2.5 to 2.5 | Pass |
|       |        |    |   | -10 | 3.85 | -5.321  | -0.0030 | -2.5 to 2.5 | Pass |
|       |        |    |   | 0   | 3.85 | -0.046  | 0.0000  | -2.5 to 2.5 | Pass |



|  |  |  |  |    |      |        |         |             |      |
|--|--|--|--|----|------|--------|---------|-------------|------|
|  |  |  |  | 10 | 3.85 | -8.982 | -0.0051 | -2.5 to 2.5 | Pass |
|  |  |  |  | 30 | 3.85 | -3.218 | -0.0018 | -2.5 to 2.5 | Pass |
|  |  |  |  | 40 | 3.85 | 2.802  | 0.0016  | -2.5 to 2.5 | Pass |
|  |  |  |  | 50 | 3.85 | -7.846 | -0.0044 | -2.5 to 2.5 | Pass |

### 2.1.3 B66\_5MHz

| Band: 66 / Bandwidth: 5MHz |                 |               |        |            |               |                  |                       |             |         |
|----------------------------|-----------------|---------------|--------|------------|---------------|------------------|-----------------------|-------------|---------|
| Modulation                 | Frequency (MHz) | RB Allocation |        | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) |             | Verdict |
|                            |                 | Size          | Offset |            |               |                  | Result                | Limit       |         |
| QPSK                       | 1712.5          | 25            | 0      | 20         | 3.27          | -4.556           | -0.0027               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | -4.207           | -0.0025               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | -8.429           | -0.0049               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | -3.797           | -0.0022               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | -12.203          | -0.0071               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | -1.699           | -0.0010               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | 1.106            | 0.0006                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.85          | -8.134           | -0.0047               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.85          | -0.640           | -0.0004               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.85          | -10.186          | -0.0059               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 50         | 3.85          | 0.261            | 0.0002                | -2.5 to 2.5 | Pass    |
|                            | 1745            | 25            | 0      | 20         | 3.27          | -5.970           | -0.0034               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | -2.342           | -0.0013               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | -3.117           | -0.0018               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | 7.544            | 0.0043                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | -0.708           | -0.0004               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | 6.784            | 0.0039                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | 2.616            | 0.0015                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.85          | -1.394           | -0.0008               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.85          | 5.471            | 0.0031                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.85          | 6.344            | 0.0036                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 50         | 3.85          | 2.842            | 0.0016                | -2.5 to 2.5 | Pass    |
|                            | 1777.5          | 25            | 0      | 20         | 3.27          | 12.536           | 0.0071                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | 4.789            | 0.0027                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | 7.895            | 0.0044                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | 7.205            | 0.0041                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | 3.437            | 0.0019                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | 11.169           | 0.0063                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | 10.138           | 0.0057                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.85          | 8.469            | 0.0048                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.85          | 5.440            | 0.0031                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.85          | 1.238            | 0.0007                | -2.5 to 2.5 | Pass    |
| 16QAM                      | 1712.5          | 25            | 0      | 20         | 3.27          | -5.578           | -0.0033               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 3.85          | -7.402           | -0.0043               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        |            | 4.43          | -3.858           | -0.0023               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -30        | 3.85          | 2.884            | 0.0017                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -20        | 3.85          | -6.370           | -0.0037               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | -10        | 3.85          | -7.052           | -0.0041               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 0          | 3.85          | -0.862           | -0.0005               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 10         | 3.85          | 3.447            | 0.0020                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 30         | 3.85          | 1.957            | 0.0011                | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 40         | 3.85          | -8.195           | -0.0048               | -2.5 to 2.5 | Pass    |
|                            |                 |               |        | 50         | 3.85          | -6.115           | -0.0036               | -2.5 to 2.5 | Pass    |
|                            | 1745            | 25            | 0      | 20         | 3.27          | 0.356            | 0.0002                | -2.5 to 2.5 | Pass    |

|  |        |    |   |     |      |        |         |             |      |
|--|--------|----|---|-----|------|--------|---------|-------------|------|
|  |        |    |   |     | 3.85 | -3.440 | -0.0020 | -2.5 to 2.5 | Pass |
|  |        |    |   |     | 4.43 | 0.950  | 0.0005  | -2.5 to 2.5 | Pass |
|  |        |    |   | -30 | 3.85 | 3.470  | 0.0020  | -2.5 to 2.5 | Pass |
|  |        |    |   | -20 | 3.85 | -3.699 | -0.0021 | -2.5 to 2.5 | Pass |
|  |        |    |   | -10 | 3.85 | 1.356  | 0.0008  | -2.5 to 2.5 | Pass |
|  |        |    |   | 0   | 3.85 | 6.789  | 0.0039  | -2.5 to 2.5 | Pass |
|  |        |    |   | 10  | 3.85 | -6.475 | -0.0037 | -2.5 to 2.5 | Pass |
|  |        |    |   | 30  | 3.85 | -2.003 | -0.0011 | -2.5 to 2.5 | Pass |
|  |        |    |   | 40  | 3.85 | 3.431  | 0.0020  | -2.5 to 2.5 | Pass |
|  |        |    |   | 50  | 3.85 | 6.981  | 0.0040  | -2.5 to 2.5 | Pass |
|  | 1777.5 | 25 | 0 | 20  | 3.27 | 11.640 | 0.0065  | -2.5 to 2.5 | Pass |
|  |        |    |   |     | 3.85 | 12.333 | 0.0069  | -2.5 to 2.5 | Pass |
|  |        |    |   |     | 4.43 | -0.701 | -0.0004 | -2.5 to 2.5 | Pass |
|  |        |    |   | -30 | 3.85 | 10.137 | 0.0057  | -2.5 to 2.5 | Pass |
|  |        |    |   | -20 | 3.85 | -0.980 | -0.0006 | -2.5 to 2.5 | Pass |
|  |        |    |   | -10 | 3.85 | 6.484  | 0.0036  | -2.5 to 2.5 | Pass |
|  |        |    |   | 0   | 3.85 | 11.730 | 0.0066  | -2.5 to 2.5 | Pass |
|  |        |    |   | 10  | 3.85 | 2.057  | 0.0012  | -2.5 to 2.5 | Pass |
|  |        |    |   | 30  | 3.85 | 4.902  | 0.0028  | -2.5 to 2.5 | Pass |
|  |        |    |   | 40  | 3.85 | 11.930 | 0.0067  | -2.5 to 2.5 | Pass |
|  |        |    |   | 50  | 3.85 | -2.228 | -0.0013 | -2.5 to 2.5 | Pass |

#### 2.1.4 B66\_10MHz

| Band: 66 / Bandwidth: 10MHz |                 |               |        |            |               |                  |                       |             |         |
|-----------------------------|-----------------|---------------|--------|------------|---------------|------------------|-----------------------|-------------|---------|
| Modulation                  | Frequency (MHz) | RB Allocation |        | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) |             | Verdict |
|                             |                 | Size          | Offset |            |               |                  | Result                | Limit       |         |
| QPSK                        | 1715            | 50            | 0      | 20         | 3.27          | 6.364            | 0.0037                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 3.85          | -1.678           | -0.0010               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 4.43          | 6.898            | 0.0040                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -30        | 3.85          | 6.612            | 0.0039                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -20        | 3.85          | 4.092            | 0.0024                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -10        | 3.85          | 5.083            | 0.0030                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 0          | 3.85          | 5.458            | 0.0032                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 10         | 3.85          | 6.250            | 0.0036                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 30         | 3.85          | 3.818            | 0.0022                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 40         | 3.85          | -3.071           | -0.0018               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 50         | 3.85          | 2.949            | 0.0017                | -2.5 to 2.5 | Pass    |
|                             | 1745            | 50            | 0      | 20         | 3.27          | 4.801            | 0.0028                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 3.85          | -5.161           | -0.0030               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 4.43          | 6.872            | 0.0039                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -30        | 3.85          | 1.672            | 0.0010                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -20        | 3.85          | -5.961           | -0.0034               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -10        | 3.85          | 7.408            | 0.0042                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 0          | 3.85          | 3.297            | 0.0019                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 10         | 3.85          | -5.155           | -0.0030               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 30         | 3.85          | 5.339            | 0.0031                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 40         | 3.85          | 0.358            | 0.0002                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 50         | 3.85          | -6.651           | -0.0038               | -2.5 to 2.5 | Pass    |
|                             | 1775            | 50            | 0      | 20         | 3.27          | 4.930            | 0.0028                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 3.85          | -2.725           | -0.0015               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 4.43          | 0.574            | 0.0003                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -30        | 3.85          | -7.287           | -0.0041               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -20        | 3.85          | 5.228            | 0.0029                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -10        | 3.85          | -1.436           | -0.0008               | -2.5 to 2.5 | Pass    |

|       |      |    |   |     |      |        |         |             |      |
|-------|------|----|---|-----|------|--------|---------|-------------|------|
|       |      |    |   | 0   | 3.85 | 5.555  | 0.0031  | -2.5 to 2.5 | Pass |
|       |      |    |   | 10  | 3.85 | 0.970  | 0.0005  | -2.5 to 2.5 | Pass |
|       |      |    |   | 30  | 3.85 | -3.256 | -0.0018 | -2.5 to 2.5 | Pass |
|       |      |    |   | 40  | 3.85 | -2.171 | -0.0012 | -2.5 to 2.5 | Pass |
|       |      |    |   | 50  | 3.85 | 5.688  | 0.0032  | -2.5 to 2.5 | Pass |
| 16QAM | 1715 | 50 | 0 | 20  | 3.27 | 2.046  | 0.0012  | -2.5 to 2.5 | Pass |
|       |      |    |   |     | 3.85 | -2.645 | -0.0015 | -2.5 to 2.5 | Pass |
|       |      |    |   |     | 4.43 | -3.758 | -0.0022 | -2.5 to 2.5 | Pass |
|       |      |    |   | -30 | 3.85 | -2.321 | -0.0014 | -2.5 to 2.5 | Pass |
|       |      |    |   | -20 | 3.85 | 1.563  | 0.0009  | -2.5 to 2.5 | Pass |
|       |      |    |   | -10 | 3.85 | 4.049  | 0.0024  | -2.5 to 2.5 | Pass |
|       |      |    |   | 0   | 3.85 | 5.456  | 0.0032  | -2.5 to 2.5 | Pass |
|       |      |    |   | 10  | 3.85 | -6.530 | -0.0038 | -2.5 to 2.5 | Pass |
|       |      |    |   | 30  | 3.85 | -6.139 | -0.0036 | -2.5 to 2.5 | Pass |
|       |      |    |   | 40  | 3.85 | -3.862 | -0.0023 | -2.5 to 2.5 | Pass |
|       |      |    |   | 50  | 3.85 | -1.883 | -0.0011 | -2.5 to 2.5 | Pass |
|       | 1745 | 50 | 0 | 20  | 3.27 | -5.985 | -0.0034 | -2.5 to 2.5 | Pass |
|       |      |    |   |     | 3.85 | -9.005 | -0.0052 | -2.5 to 2.5 | Pass |
|       |      |    |   |     | 4.43 | -4.024 | -0.0023 | -2.5 to 2.5 | Pass |
|       |      |    |   | -30 | 3.85 | 1.652  | 0.0009  | -2.5 to 2.5 | Pass |
|       |      |    |   | -20 | 3.85 | -6.358 | -0.0036 | -2.5 to 2.5 | Pass |
|       |      |    |   | -10 | 3.85 | -0.473 | -0.0003 | -2.5 to 2.5 | Pass |
|       |      |    |   | 0   | 3.85 | 3.781  | 0.0022  | -2.5 to 2.5 | Pass |
|       |      |    |   | 10  | 3.85 | -4.939 | -0.0028 | -2.5 to 2.5 | Pass |
|       |      |    |   | 30  | 3.85 | -6.248 | -0.0036 | -2.5 to 2.5 | Pass |
|       |      |    |   | 40  | 3.85 | 0.046  | 0.0000  | -2.5 to 2.5 | Pass |
|       |      |    |   | 50  | 3.85 | 2.388  | 0.0014  | -2.5 to 2.5 | Pass |
|       | 1775 | 50 | 0 | 20  | 3.27 | 3.583  | 0.0020  | -2.5 to 2.5 | Pass |
|       |      |    |   |     | 3.85 | 4.837  | 0.0027  | -2.5 to 2.5 | Pass |
|       |      |    |   |     | 4.43 | 6.464  | 0.0036  | -2.5 to 2.5 | Pass |
|       |      |    |   | -30 | 3.85 | -3.650 | -0.0021 | -2.5 to 2.5 | Pass |
|       |      |    |   | -20 | 3.85 | 2.285  | 0.0013  | -2.5 to 2.5 | Pass |
|       |      |    |   | -10 | 3.85 | -6.483 | -0.0037 | -2.5 to 2.5 | Pass |
|       |      |    |   | 0   | 3.85 | 2.901  | 0.0016  | -2.5 to 2.5 | Pass |
|       |      |    |   | 10  | 3.85 | -3.004 | -0.0017 | -2.5 to 2.5 | Pass |
|       |      |    |   | 30  | 3.85 | -1.734 | -0.0010 | -2.5 to 2.5 | Pass |
|       |      |    |   | 40  | 3.85 | 3.262  | 0.0018  | -2.5 to 2.5 | Pass |
|       |      |    |   | 50  | 3.85 | 7.000  | 0.0039  | -2.5 to 2.5 | Pass |

## 2.1.5 B66\_15MHz

| Band: 66 / Bandwidth: 15MHz |                 |               |        |            |               |                  |                       |             |         |
|-----------------------------|-----------------|---------------|--------|------------|---------------|------------------|-----------------------|-------------|---------|
| Modulation                  | Frequency (MHz) | RB Allocation |        | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) |             | Verdict |
|                             |                 | Size          | Offset |            |               |                  | Result                | Limit       |         |
| QPSK                        | 1717.5          | 75            | 0      | 20         | 3.27          | 3.427            | 0.0020                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 3.85          | 4.494            | 0.0026                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 4.43          | 4.220            | 0.0025                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -30        | 3.85          | -1.173           | -0.0007               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -20        | 3.85          | 9.734            | 0.0057                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -10        | 3.85          | 9.895            | 0.0058                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 0          | 3.85          | 10.649           | 0.0062                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 10         | 3.85          | 9.179            | 0.0053                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 30         | 3.85          | 10.700           | 0.0062                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 40         | 3.85          | 4.268            | 0.0025                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 50         | 3.85          | 2.670            | 0.0016                | -2.5 to 2.5 | Pass    |

|       |        |         |         |             |             |         |             |             |      |
|-------|--------|---------|---------|-------------|-------------|---------|-------------|-------------|------|
|       | 1745   | 75      | 0       | 20          | 3.27        | -0.956  | -0.0005     | -2.5 to 2.5 | Pass |
|       |        |         |         |             | 3.85        | 3.460   | 0.0020      | -2.5 to 2.5 | Pass |
|       |        |         |         |             | 4.43        | 1.143   | 0.0007      | -2.5 to 2.5 | Pass |
|       |        |         |         | -30         | 3.85        | -3.294  | -0.0019     | -2.5 to 2.5 | Pass |
|       |        |         |         | -20         | 3.85        | 0.113   | 0.0001      | -2.5 to 2.5 | Pass |
|       |        |         |         | -10         | 3.85        | 1.885   | 0.0011      | -2.5 to 2.5 | Pass |
|       |        |         |         | 0           | 3.85        | -6.947  | -0.0040     | -2.5 to 2.5 | Pass |
|       |        |         |         | 10          | 3.85        | 5.748   | 0.0033      | -2.5 to 2.5 | Pass |
|       |        |         |         | 30          | 3.85        | 1.389   | 0.0008      | -2.5 to 2.5 | Pass |
|       |        |         |         | 40          | 3.85        | -1.357  | -0.0008     | -2.5 to 2.5 | Pass |
|       | 50     | 3.85    | -5.724  | -0.0033     | -2.5 to 2.5 | Pass    |             |             |      |
|       | 1772.5 | 75      | 0       | 20          | 3.27        | -6.443  | -0.0036     | -2.5 to 2.5 | Pass |
|       |        |         |         |             | 3.85        | -1.147  | -0.0006     | -2.5 to 2.5 | Pass |
|       |        |         |         |             | 4.43        | 0.483   | 0.0003      | -2.5 to 2.5 | Pass |
|       |        |         |         | -30         | 3.85        | -4.421  | -0.0025     | -2.5 to 2.5 | Pass |
|       |        |         |         | -20         | 3.85        | -9.165  | -0.0052     | -2.5 to 2.5 | Pass |
|       |        |         |         | -10         | 3.85        | -0.511  | -0.0003     | -2.5 to 2.5 | Pass |
|       |        |         |         | 0           | 3.85        | -7.672  | -0.0043     | -2.5 to 2.5 | Pass |
|       |        |         |         | 10          | 3.85        | -6.929  | -0.0039     | -2.5 to 2.5 | Pass |
|       |        |         |         | 30          | 3.85        | 0.326   | 0.0002      | -2.5 to 2.5 | Pass |
| 40    |        |         |         | 3.85        | -8.250      | -0.0047 | -2.5 to 2.5 | Pass        |      |
| 50    | 3.85   | -10.223 | -0.0058 | -2.5 to 2.5 | Pass        |         |             |             |      |
| 16QAM | 1717.5 | 75      | 0       | 20          | 3.27        | 11.258  | 0.0066      | -2.5 to 2.5 | Pass |
|       |        |         |         |             | 3.85        | 3.213   | 0.0019      | -2.5 to 2.5 | Pass |
|       |        |         |         |             | 4.43        | 0.924   | 0.0005      | -2.5 to 2.5 | Pass |
|       |        |         |         | -30         | 3.85        | 5.221   | 0.0030      | -2.5 to 2.5 | Pass |
|       |        |         |         | -20         | 3.85        | 9.943   | 0.0058      | -2.5 to 2.5 | Pass |
|       |        |         |         | -10         | 3.85        | 11.350  | 0.0066      | -2.5 to 2.5 | Pass |
|       |        |         |         | 0           | 3.85        | 6.588   | 0.0038      | -2.5 to 2.5 | Pass |
|       |        |         |         | 10          | 3.85        | -1.589  | -0.0009     | -2.5 to 2.5 | Pass |
|       |        |         |         | 30          | 3.85        | 2.772   | 0.0016      | -2.5 to 2.5 | Pass |
|       |        |         |         | 40          | 3.85        | 2.992   | 0.0017      | -2.5 to 2.5 | Pass |
|       | 50     | 3.85    | 5.126   | 0.0030      | -2.5 to 2.5 | Pass    |             |             |      |
|       | 1745   | 75      | 0       | 20          | 3.27        | 7.582   | 0.0043      | -2.5 to 2.5 | Pass |
|       |        |         |         |             | 3.85        | 4.106   | 0.0024      | -2.5 to 2.5 | Pass |
|       |        |         |         |             | 4.43        | -6.264  | -0.0036     | -2.5 to 2.5 | Pass |
|       |        |         |         | -30         | 3.85        | 0.113   | 0.0001      | -2.5 to 2.5 | Pass |
|       |        |         |         | -20         | 3.85        | 5.730   | 0.0033      | -2.5 to 2.5 | Pass |
|       |        |         |         | -10         | 3.85        | -6.070  | -0.0035     | -2.5 to 2.5 | Pass |
|       |        |         |         | 0           | 3.85        | 0.378   | 0.0002      | -2.5 to 2.5 | Pass |
|       |        |         |         | 10          | 3.85        | 8.388   | 0.0048      | -2.5 to 2.5 | Pass |
|       |        |         |         | 30          | 3.85        | -4.773  | -0.0027     | -2.5 to 2.5 | Pass |
|       |        |         |         | 40          | 3.85        | -4.464  | -0.0026     | -2.5 to 2.5 | Pass |
|       | 50     | 3.85    | -0.471  | -0.0003     | -2.5 to 2.5 | Pass    |             |             |      |
|       | 1772.5 | 75      | 0       | 20          | 3.27        | -12.634 | -0.0071     | -2.5 to 2.5 | Pass |
|       |        |         |         |             | 3.85        | -13.538 | -0.0076     | -2.5 to 2.5 | Pass |
|       |        |         |         |             | 4.43        | -5.666  | -0.0032     | -2.5 to 2.5 | Pass |
|       |        |         |         | -30         | 3.85        | -2.036  | -0.0011     | -2.5 to 2.5 | Pass |
|       |        |         |         | -20         | 3.85        | 1.536   | 0.0009      | -2.5 to 2.5 | Pass |
|       |        |         |         | -10         | 3.85        | -7.853  | -0.0044     | -2.5 to 2.5 | Pass |
|       |        |         |         | 0           | 3.85        | -3.476  | -0.0020     | -2.5 to 2.5 | Pass |
|       |        |         |         | 10          | 3.85        | 0.716   | 0.0004      | -2.5 to 2.5 | Pass |
| 30    |        |         |         | 3.85        | -9.171      | -0.0052 | -2.5 to 2.5 | Pass        |      |
| 40    |        |         |         | 3.85        | -8.277      | -0.0047 | -2.5 to 2.5 | Pass        |      |
| 50    | 3.85   | -3.347  | -0.0019 | -2.5 to 2.5 | Pass        |         |             |             |      |

## 2.1.6 B66\_20MHz

| Band: 66 / Bandwidth: 20MHz |                 |               |        |            |               |                  |                       |             |         |
|-----------------------------|-----------------|---------------|--------|------------|---------------|------------------|-----------------------|-------------|---------|
| Modulation                  | Frequency (MHz) | RB Allocation |        | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) |             | Verdict |
|                             |                 | Size          | Offset |            |               |                  | Result                | Limit       |         |
| QPSK                        | 1720            | 100           | 0      | 20         | 3.27          | -10.011          | -0.0058               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 3.85          | 2.960            | 0.0017                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 4.43          | -4.925           | -0.0029               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -30        | 3.85          | -3.709           | -0.0022               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -20        | 3.85          | -2.191           | -0.0013               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -10        | 3.85          | -2.392           | -0.0014               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 0          | 3.85          | -4.243           | -0.0025               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 10         | 3.85          | -1.448           | -0.0008               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 30         | 3.85          | 1.901            | 0.0011                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 40         | 3.85          | -9.945           | -0.0058               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 50         | 3.85          | -4.541           | -0.0026               | -2.5 to 2.5 | Pass    |
|                             | 1745            | 100           | 0      | 20         | 3.27          | -2.873           | -0.0016               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 3.85          | 1.288            | 0.0007                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 4.43          | 0.224            | 0.0001                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -30        | 3.85          | -6.996           | -0.0040               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -20        | 3.85          | 5.970            | 0.0034                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -10        | 3.85          | 0.540            | 0.0003                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 0          | 3.85          | -4.655           | -0.0027               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 10         | 3.85          | 7.968            | 0.0046                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 30         | 3.85          | 0.382            | 0.0002                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 40         | 3.85          | -0.997           | -0.0006               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 50         | 3.85          | -3.671           | -0.0021               | -2.5 to 2.5 | Pass    |
|                             | 1770            | 100           | 0      | 20         | 3.27          | 11.205           | 0.0063                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 3.85          | 1.675            | 0.0009                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 4.43          | 6.311            | 0.0036                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -30        | 3.85          | 7.147            | 0.0040                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -20        | 3.85          | 2.957            | 0.0017                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -10        | 3.85          | -3.422           | -0.0019               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 0          | 3.85          | 7.724            | 0.0044                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 10         | 3.85          | 2.808            | 0.0016                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 30         | 3.85          | -3.150           | -0.0018               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 40         | 3.85          | 10.123           | 0.0057                | -2.5 to 2.5 | Pass    |
| 16QAM                       | 1720            | 100           | 0      | 20         | 3.27          | -7.954           | -0.0046               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 3.85          | -1.557           | -0.0009               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 4.43          | 0.347            | 0.0002                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -30        | 3.85          | 0.156            | 0.0001                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -20        | 3.85          | 2.599            | 0.0015                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -10        | 3.85          | -8.855           | -0.0051               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 0          | 3.85          | -7.875           | -0.0046               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 10         | 3.85          | -5.700           | -0.0033               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 30         | 3.85          | -4.223           | -0.0025               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 40         | 3.85          | -2.178           | -0.0013               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 50         | 3.85          | -0.372           | -0.0002               | -2.5 to 2.5 | Pass    |
|                             | 1745            | 100           | 0      | 20         | 3.27          | -4.271           | -0.0024               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 3.85          | -2.335           | -0.0013               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        |            | 4.43          | 2.750            | 0.0016                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -30        | 3.85          | -4.393           | -0.0025               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -20        | 3.85          | -1.519           | -0.0009               | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | -10        | 3.85          | 3.788            | 0.0022                | -2.5 to 2.5 | Pass    |
|                             |                 |               |        | 0          | 3.85          | 6.832            | 0.0039                | -2.5 to 2.5 | Pass    |

|  |      |     |   |     |      |        |         |             |      |
|--|------|-----|---|-----|------|--------|---------|-------------|------|
|  |      |     |   | 10  | 3.85 | -7.318 | -0.0042 | -2.5 to 2.5 | Pass |
|  |      |     |   | 30  | 3.85 | -1.357 | -0.0008 | -2.5 to 2.5 | Pass |
|  |      |     |   | 40  | 3.85 | 4.242  | 0.0024  | -2.5 to 2.5 | Pass |
|  |      |     |   | 50  | 3.85 | 6.897  | 0.0040  | -2.5 to 2.5 | Pass |
|  | 1770 | 100 | 0 | 20  | 3.27 | 6.343  | 0.0036  | -2.5 to 2.5 | Pass |
|  |      |     |   |     | 3.85 | 1.793  | 0.0010  | -2.5 to 2.5 | Pass |
|  |      |     |   |     | 4.43 | 5.013  | 0.0028  | -2.5 to 2.5 | Pass |
|  |      |     |   | -30 | 3.85 | 9.788  | 0.0055  | -2.5 to 2.5 | Pass |
|  |      |     |   | -20 | 3.85 | -2.208 | -0.0012 | -2.5 to 2.5 | Pass |
|  |      |     |   | -10 | 3.85 | 2.286  | 0.0013  | -2.5 to 2.5 | Pass |
|  |      |     |   | 0   | 3.85 | 7.216  | 0.0041  | -2.5 to 2.5 | Pass |
|  |      |     |   | 10  | 3.85 | 5.459  | 0.0031  | -2.5 to 2.5 | Pass |
|  |      |     |   | 30  | 3.85 | -2.101 | -0.0012 | -2.5 to 2.5 | Pass |
|  |      |     |   | 40  | 3.85 | 2.128  | 0.0012  | -2.5 to 2.5 | Pass |
|  |      |     |   | 50  | 3.85 | 6.338  | 0.0036  | -2.5 to 2.5 | Pass |

### 3. 99% & 26dB Bandwidth

#### 3.1 Test Result

##### 3.1.1 Band66\_OBW

| Band: 66 / NTNV |            |                 |               |        |                              |       |         |
|-----------------|------------|-----------------|---------------|--------|------------------------------|-------|---------|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation |        | 99% Occupied Bandwidth (MHz) |       | Verdict |
|                 |            |                 | Size          | Offset | Result                       | Limit |         |
| 1.4             | QPSK       | 1710.7          | 6             | 0      | 1.100                        | /     | Pass    |
|                 |            | 1745            | 6             | 0      | 1.101                        | /     | Pass    |
|                 |            | 1779.3          | 6             | 0      | 1.107                        | /     | Pass    |
|                 | 16QAM      | 1710.7          | 6             | 0      | 1.097                        | /     | Pass    |
|                 |            | 1745            | 6             | 0      | 1.095                        | /     | Pass    |
|                 |            | 1779.3          | 6             | 0      | 1.109                        | /     | Pass    |
| 3               | QPSK       | 1711.5          | 15            | 0      | 2.727                        | /     | Pass    |
|                 |            | 1745            | 15            | 0      | 2.732                        | /     | Pass    |
|                 |            | 1778.5          | 15            | 0      | 2.731                        | /     | Pass    |
|                 | 16QAM      | 1711.5          | 15            | 0      | 2.729                        | /     | Pass    |
|                 |            | 1745            | 15            | 0      | 2.724                        | /     | Pass    |
|                 |            | 1778.5          | 15            | 0      | 2.723                        | /     | Pass    |
| 5               | QPSK       | 1712.5          | 25            | 0      | 4.550                        | /     | Pass    |
|                 |            | 1745            | 25            | 0      | 4.546                        | /     | Pass    |
|                 |            | 1777.5          | 25            | 0      | 4.545                        | /     | Pass    |
|                 | 16QAM      | 1712.5          | 25            | 0      | 4.554                        | /     | Pass    |
|                 |            | 1745            | 25            | 0      | 4.565                        | /     | Pass    |
|                 |            | 1777.5          | 25            | 0      | 4.549                        | /     | Pass    |
| 10              | QPSK       | 1715            | 50            | 0      | 9.064                        | /     | Pass    |
|                 |            | 1745            | 50            | 0      | 9.051                        | /     | Pass    |
|                 |            | 1775            | 50            | 0      | 9.064                        | /     | Pass    |
|                 | 16QAM      | 1715            | 50            | 0      | 9.090                        | /     | Pass    |
|                 |            | 1745            | 50            | 0      | 9.073                        | /     | Pass    |
|                 |            | 1775            | 50            | 0      | 9.081                        | /     | Pass    |
| 15              | QPSK       | 1717.5          | 75            | 0      | 13.566                       | /     | Pass    |
|                 |            | 1745            | 75            | 0      | 13.554                       | /     | Pass    |
|                 |            | 1772.5          | 75            | 0      | 13.595                       | /     | Pass    |
|                 | 16QAM      | 1717.5          | 75            | 0      | 13.564                       | /     | Pass    |
|                 |            | 1745            | 75            | 0      | 13.580                       | /     | Pass    |

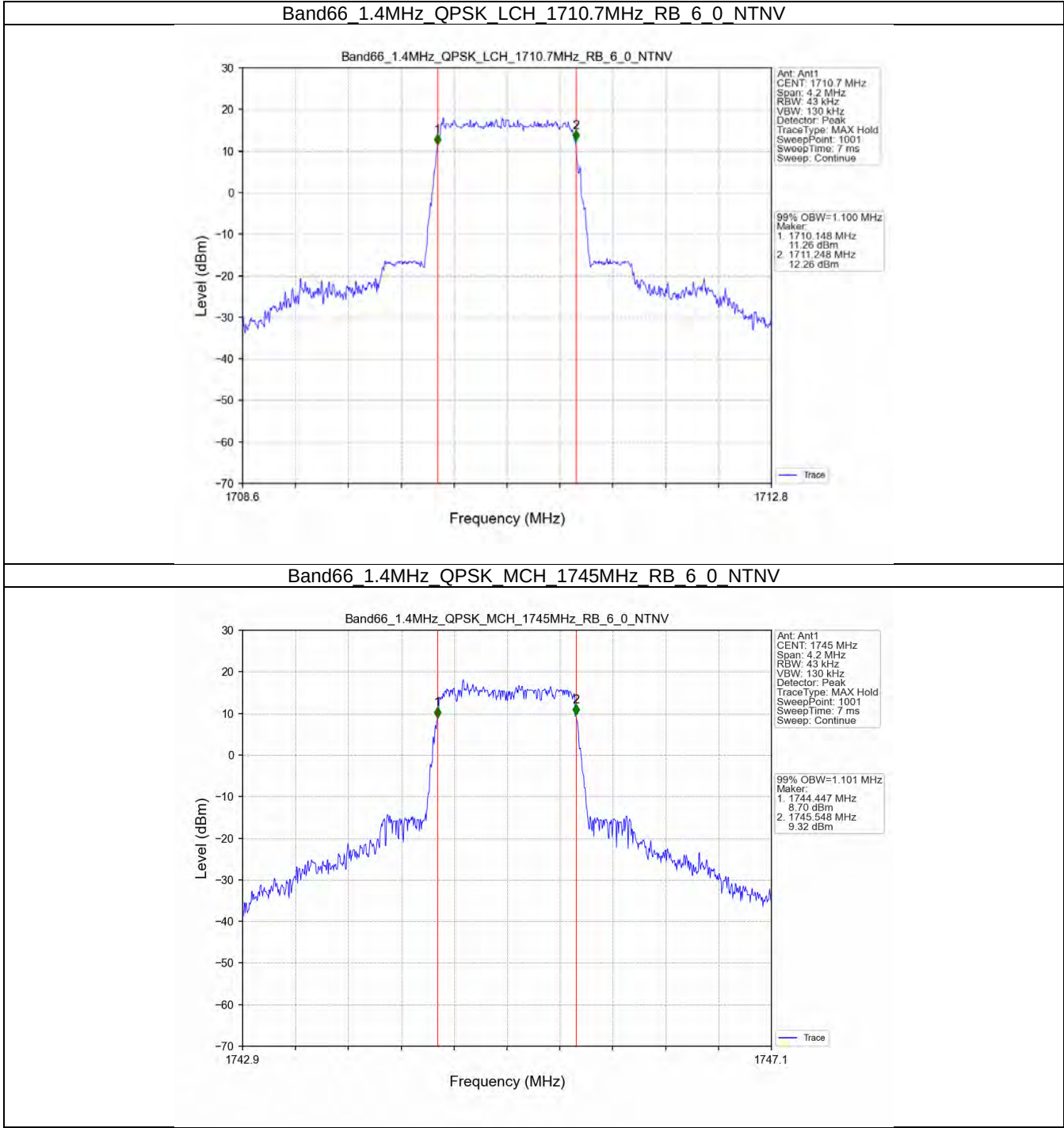
|    |       |        |     |   |        |   |      |
|----|-------|--------|-----|---|--------|---|------|
|    |       | 1772.5 | 75  | 0 | 13.601 | / | Pass |
| 20 | QPSK  | 1720   | 100 | 0 | 18.094 | / | Pass |
|    |       | 1745   | 100 | 0 | 18.024 | / | Pass |
|    |       | 1770   | 100 | 0 | 18.128 | / | Pass |
|    |       | 1720   | 100 | 0 | 18.137 | / | Pass |
|    | 16QAM | 1745   | 100 | 0 | 18.121 | / | Pass |
|    |       | 1770   | 100 | 0 | 18.128 | / | Pass |

### 3.1.2 Band66\_XDB

| Band: 66 / NTNV |            |                 |               |        |                      |       |         |
|-----------------|------------|-----------------|---------------|--------|----------------------|-------|---------|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation |        | 26dB Bandwidth (MHz) |       | Verdict |
|                 |            |                 | Size          | Offset | Result               | Limit |         |
| 1.4             | QPSK       | 1710.7          | 6             | 0      | 1.259                | /     | Pass    |
|                 |            | 1745            | 6             | 0      | 1.231                | /     | Pass    |
|                 |            | 1779.3          | 6             | 0      | 1.253                | /     | Pass    |
|                 | 16QAM      | 1710.7          | 6             | 0      | 1.241                | /     | Pass    |
|                 |            | 1745            | 6             | 0      | 1.258                | /     | Pass    |
|                 |            | 1779.3          | 6             | 0      | 1.257                | /     | Pass    |
| 3               | QPSK       | 1711.5          | 15            | 0      | 3.033                | /     | Pass    |
|                 |            | 1745            | 15            | 0      | 3.043                | /     | Pass    |
|                 |            | 1778.5          | 15            | 0      | 3.055                | /     | Pass    |
|                 | 16QAM      | 1711.5          | 15            | 0      | 3.031                | /     | Pass    |
|                 |            | 1745            | 15            | 0      | 3.067                | /     | Pass    |
|                 |            | 1778.5          | 15            | 0      | 3.035                | /     | Pass    |
| 5               | QPSK       | 1712.5          | 25            | 0      | 5.043                | /     | Pass    |
|                 |            | 1745            | 25            | 0      | 5.036                | /     | Pass    |
|                 |            | 1777.5          | 25            | 0      | 5.043                | /     | Pass    |
|                 | 16QAM      | 1712.5          | 25            | 0      | 5.043                | /     | Pass    |
|                 |            | 1745            | 25            | 0      | 5.032                | /     | Pass    |
|                 |            | 1777.5          | 25            | 0      | 5.074                | /     | Pass    |
| 10              | QPSK       | 1715            | 50            | 0      | 9.999                | /     | Pass    |
|                 |            | 1745            | 50            | 0      | 9.922                | /     | Pass    |
|                 |            | 1775            | 50            | 0      | 9.993                | /     | Pass    |
|                 | 16QAM      | 1715            | 50            | 0      | 9.965                | /     | Pass    |
|                 |            | 1745            | 50            | 0      | 9.917                | /     | Pass    |
|                 |            | 1775            | 50            | 0      | 9.935                | /     | Pass    |
| 15              | QPSK       | 1717.5          | 75            | 0      | 15.066               | /     | Pass    |
|                 |            | 1745            | 75            | 0      | 14.880               | /     | Pass    |
|                 |            | 1772.5          | 75            | 0      | 14.998               | /     | Pass    |
|                 | 16QAM      | 1717.5          | 75            | 0      | 14.917               | /     | Pass    |
|                 |            | 1745            | 75            | 0      | 14.936               | /     | Pass    |
|                 |            | 1772.5          | 75            | 0      | 14.950               | /     | Pass    |
| 20              | QPSK       | 1720            | 100           | 0      | 19.737               | /     | Pass    |
|                 |            | 1745            | 100           | 0      | 19.802               | /     | Pass    |
|                 |            | 1770            | 100           | 0      | 19.940               | /     | Pass    |
|                 | 16QAM      | 1720            | 100           | 0      | 19.648               | /     | Pass    |
|                 |            | 1745            | 100           | 0      | 19.750               | /     | Pass    |
|                 |            | 1770            | 100           | 0      | 19.695               | /     | Pass    |

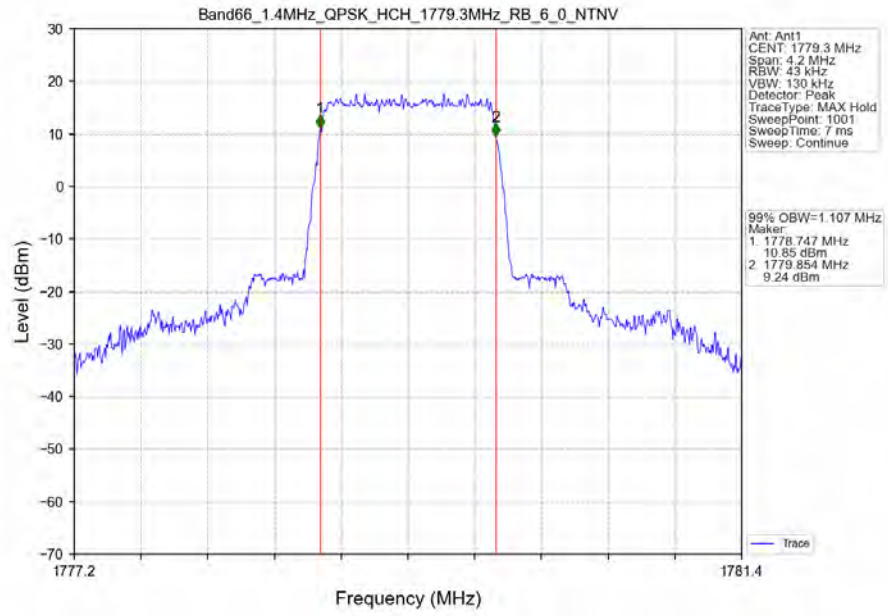
3.2 Test Graph

3.2.1 Band66\_OBW

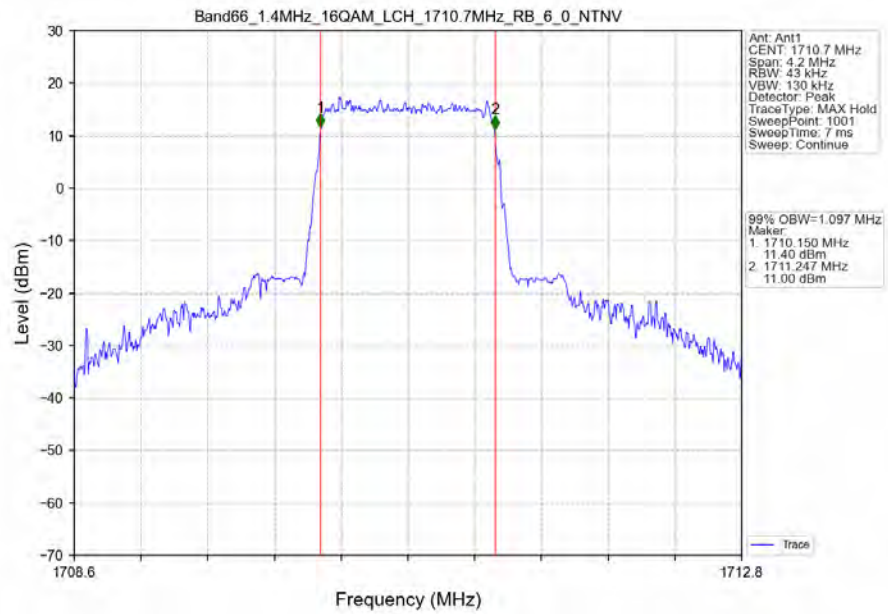




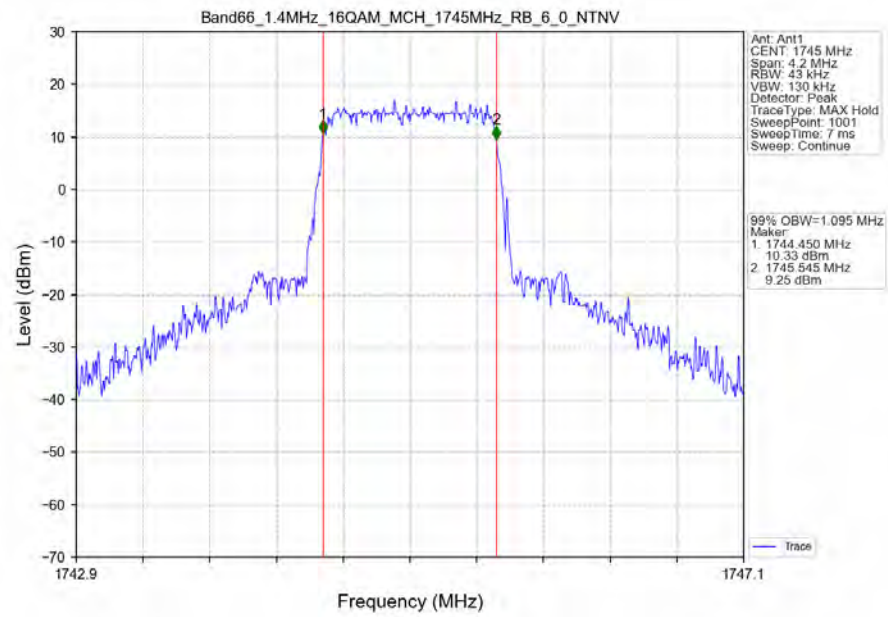
Band66 1.4MHz QPSK HCH 1779.3MHz RB 6 0 NTNV



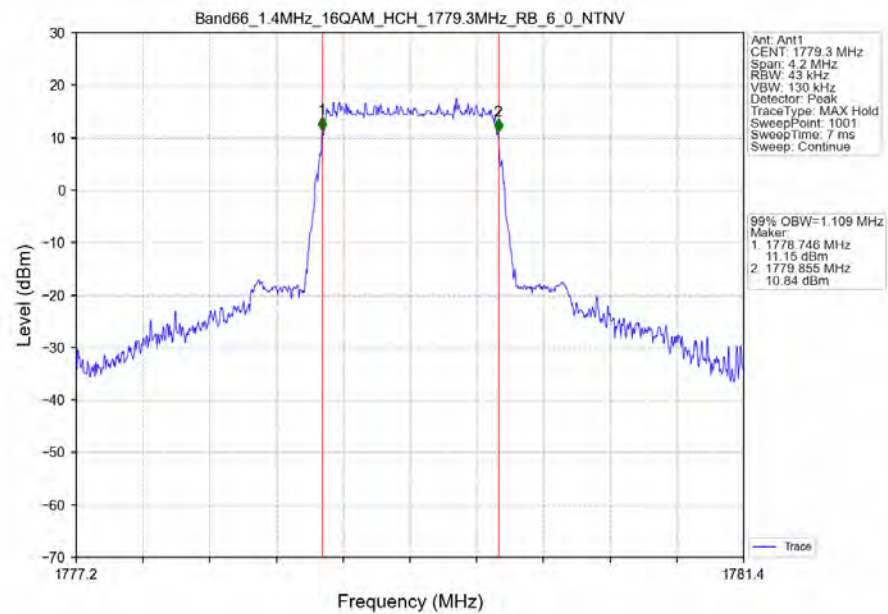
Band66 1.4MHz 16QAM LCH 1710.7MHz RB 6 0 NTNV



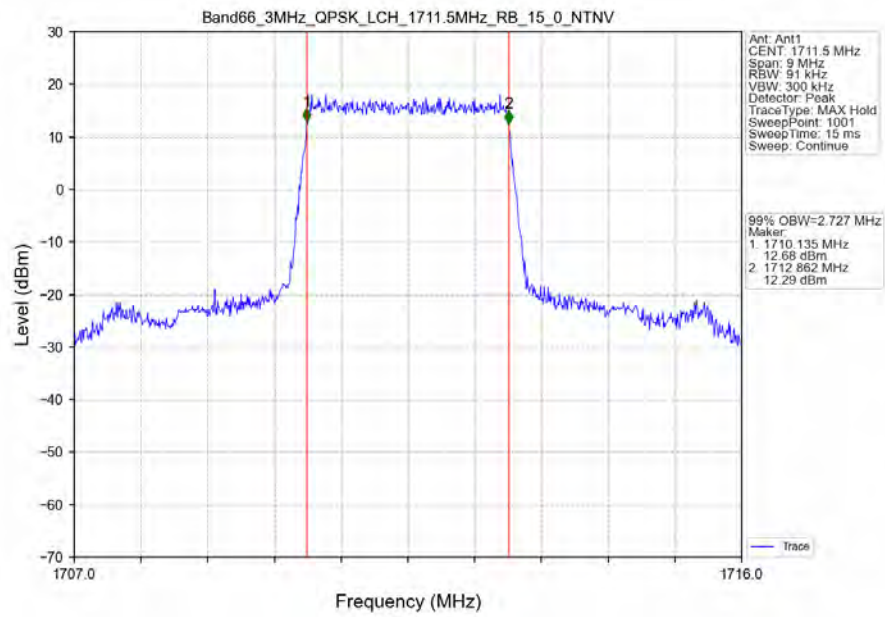
Band66 1.4MHz 16QAM MCH 1745MHz RB 6 0 NTV



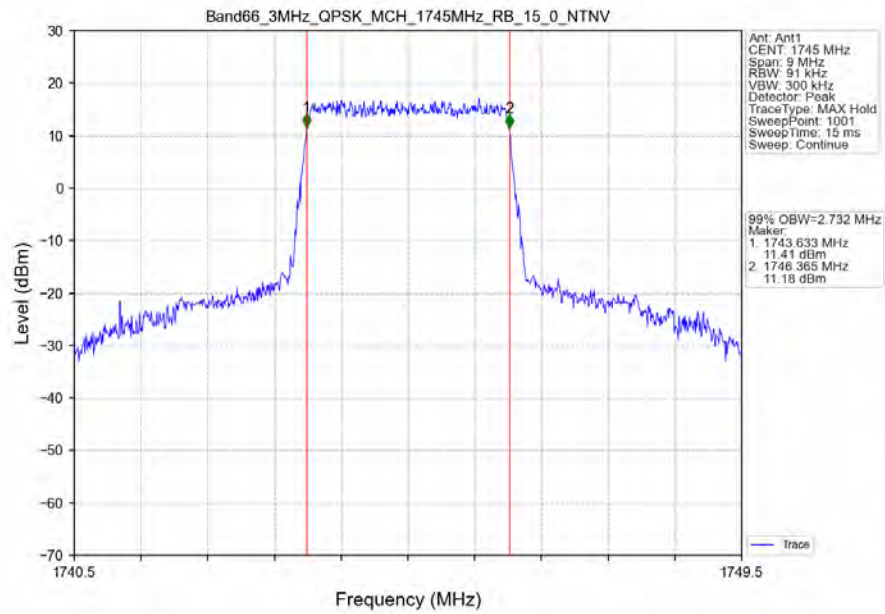
Band66 1.4MHz 16QAM HCH 1779.3MHz RB 6 0 NTV



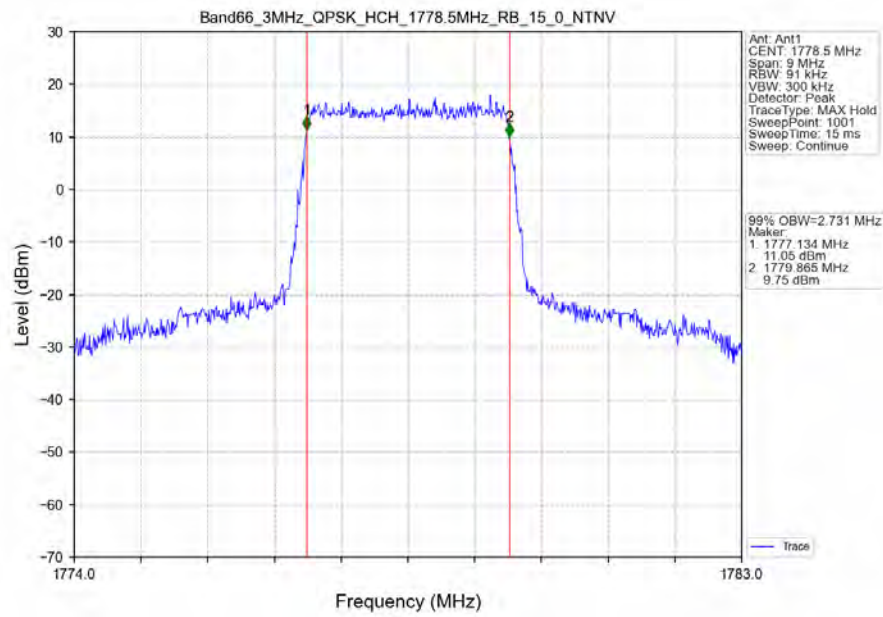
# Band66\_3MHz\_QPSK\_LCH\_1711.5MHz\_RB\_15\_0\_NTNV



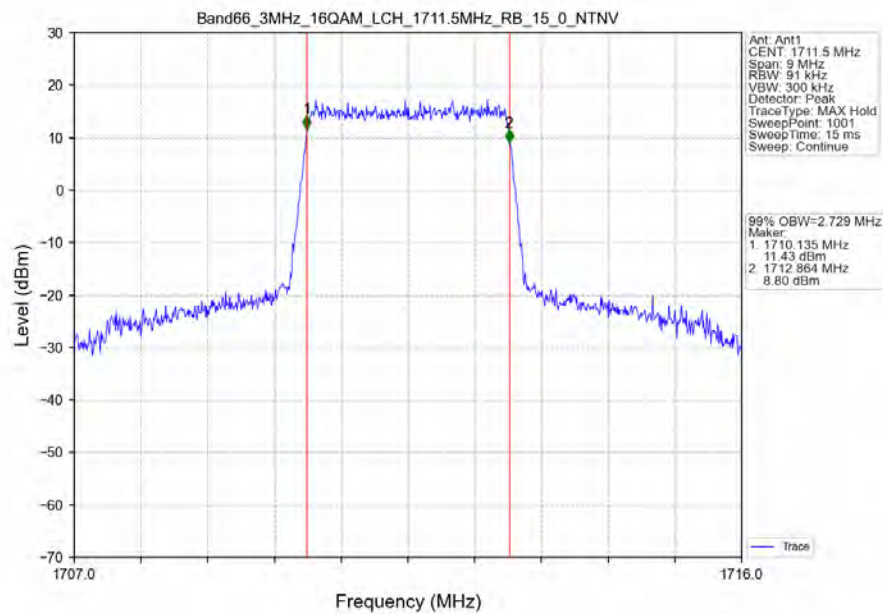
# Band66\_3MHz\_QPSK\_MCH\_1745MHz\_RB\_15\_0\_NTNV



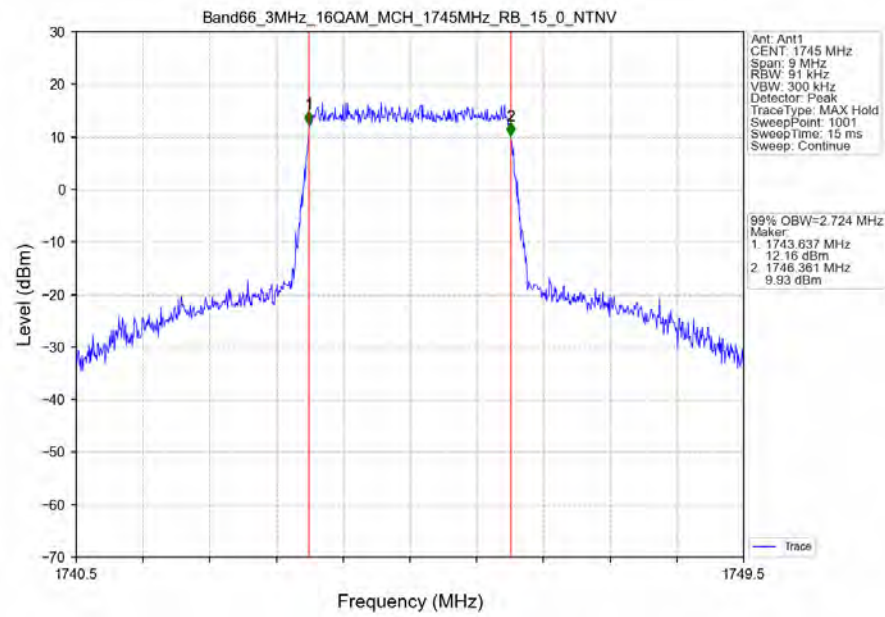
Band66\_3MHz\_QPSK\_HCH\_1778.5MHz\_RB\_15\_0\_NTNV



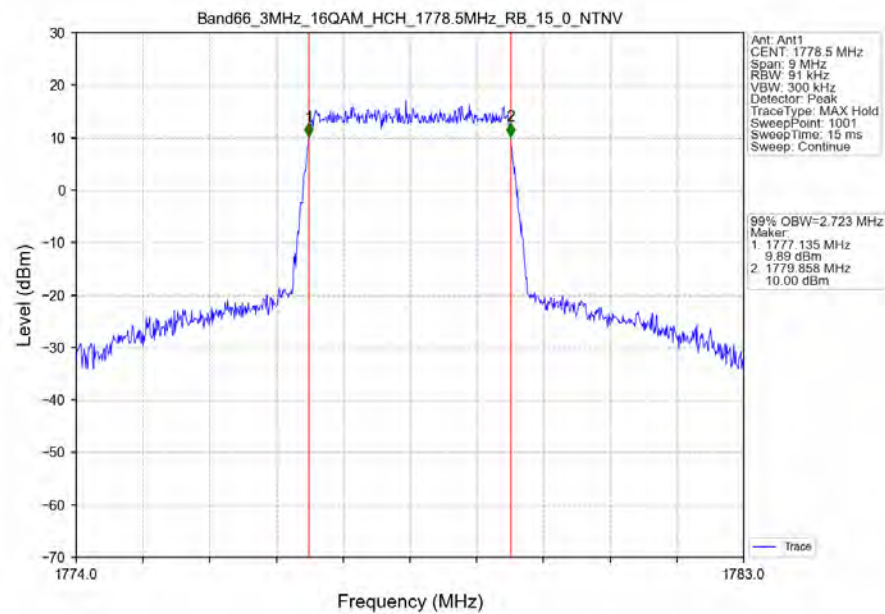
Band66\_3MHz\_16QAM\_LCH\_1711.5MHz\_RB\_15\_0\_NTNV



# Band66\_3MHz\_16QAM\_MCH\_1745MHz\_RB\_15\_0\_NTNV

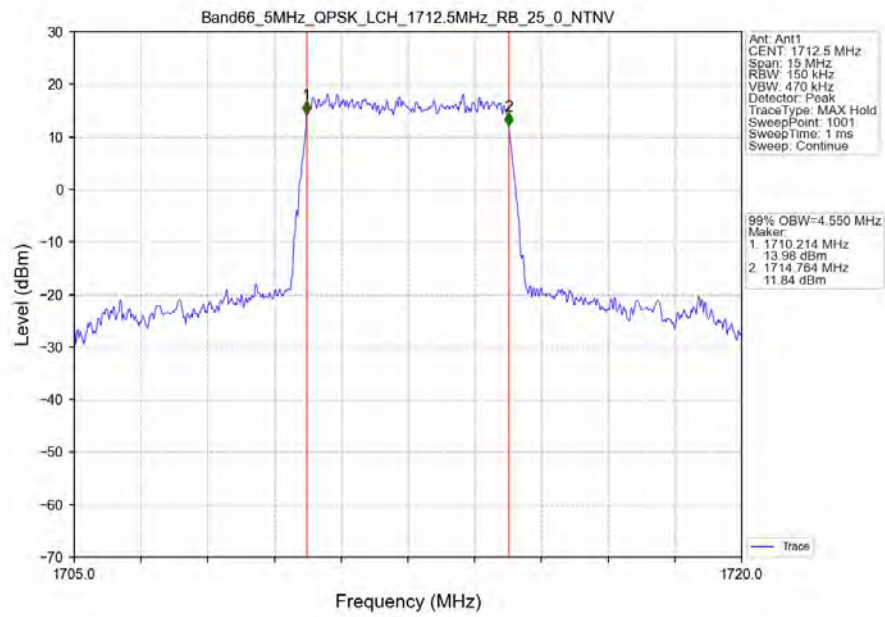


# Band66\_3MHz\_16QAM\_HCH\_1778.5MHz\_RB\_15\_0\_NTNV

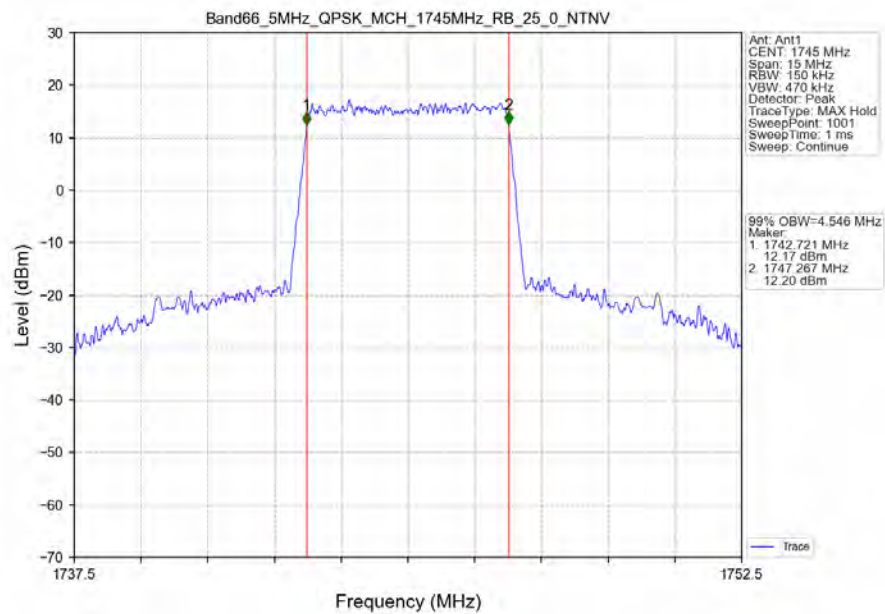




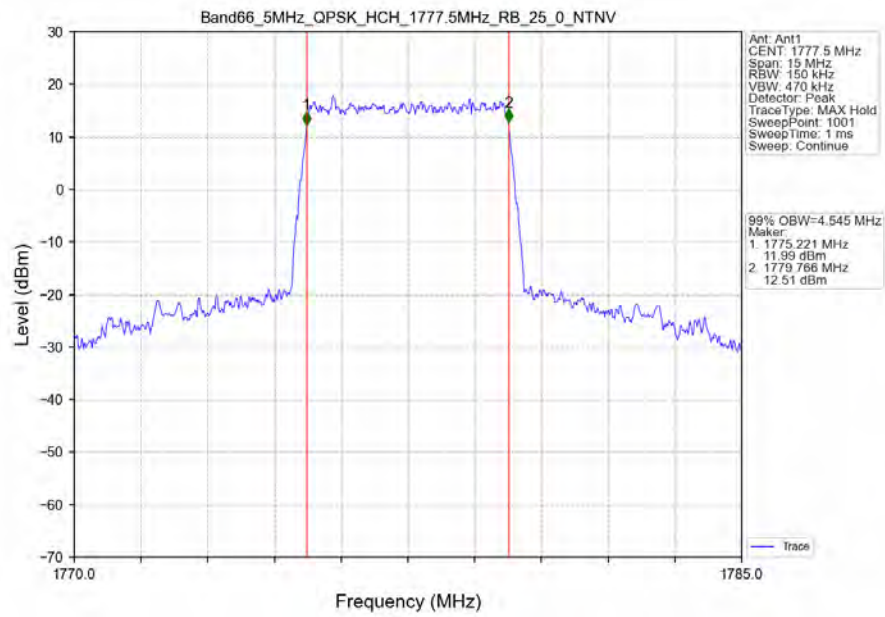
# Band66\_5MHz\_QPSK\_LCH\_1712.5MHz\_RB\_25\_0\_NTNV



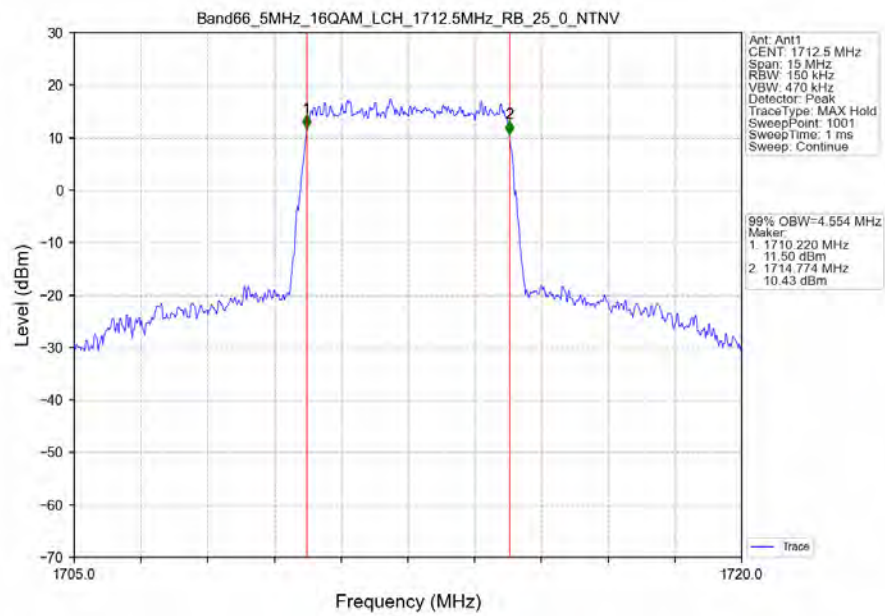
# Band66\_5MHz\_QPSK\_MCH\_1745MHz\_RB\_25\_0\_NTNV



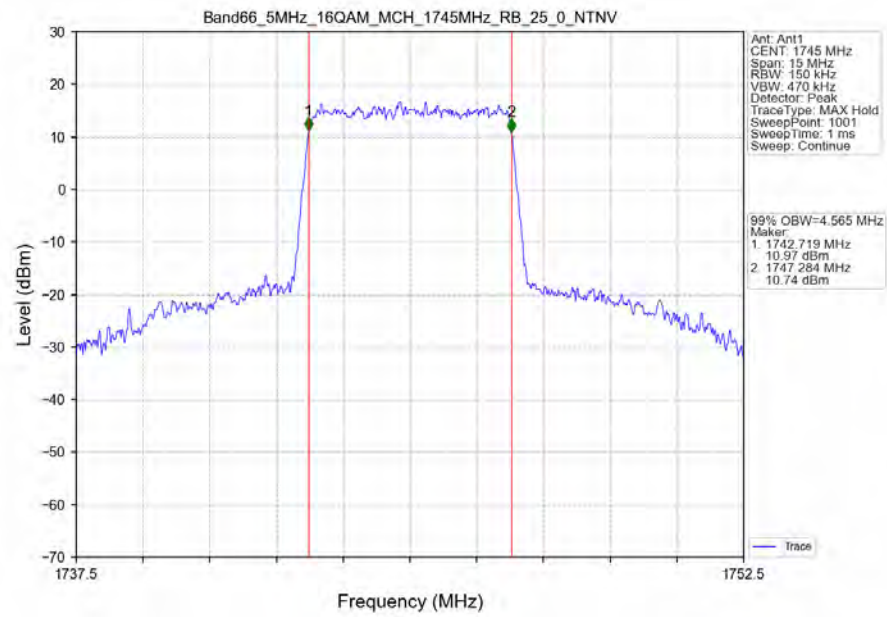
Band66 5MHz QPSK HCH 1777.5MHz RB 25 0 NTN



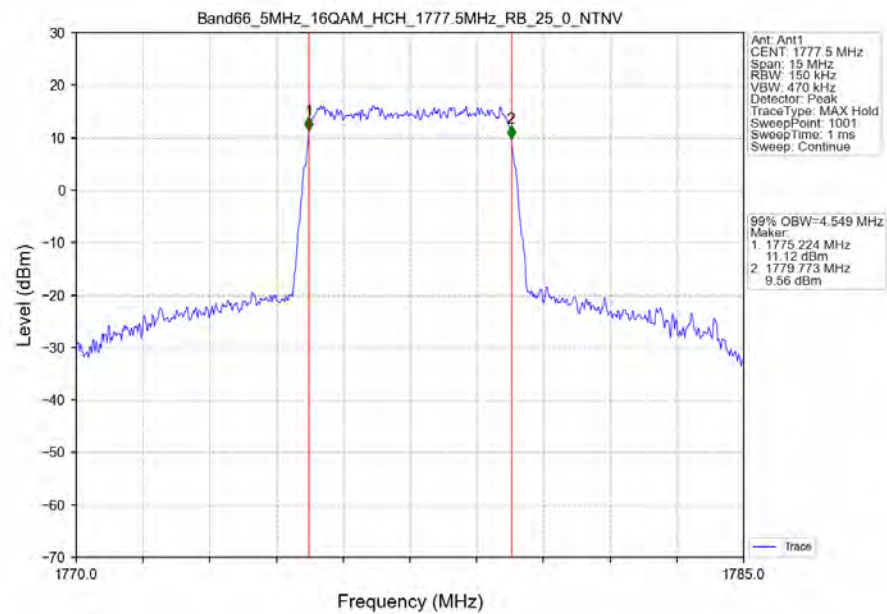
Band66 5MHz 16QAM LCH 1712.5MHz RB 25 0 NTN



Band66\_5MHz\_16QAM\_MCH\_1745MHz\_RB\_25\_0\_NTNV

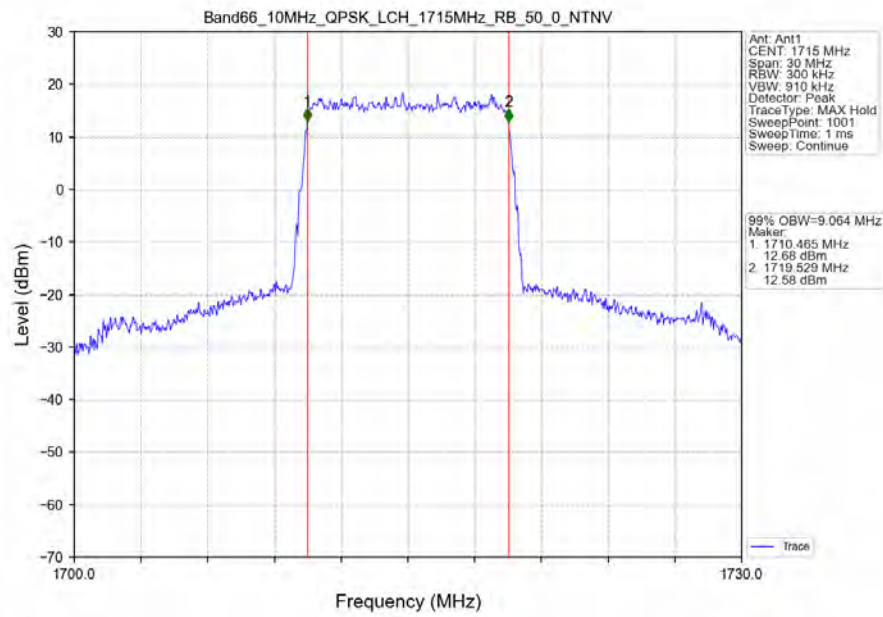


Band66\_5MHz\_16QAM\_HCH\_1777.5MHz\_RB\_25\_0\_NTNV

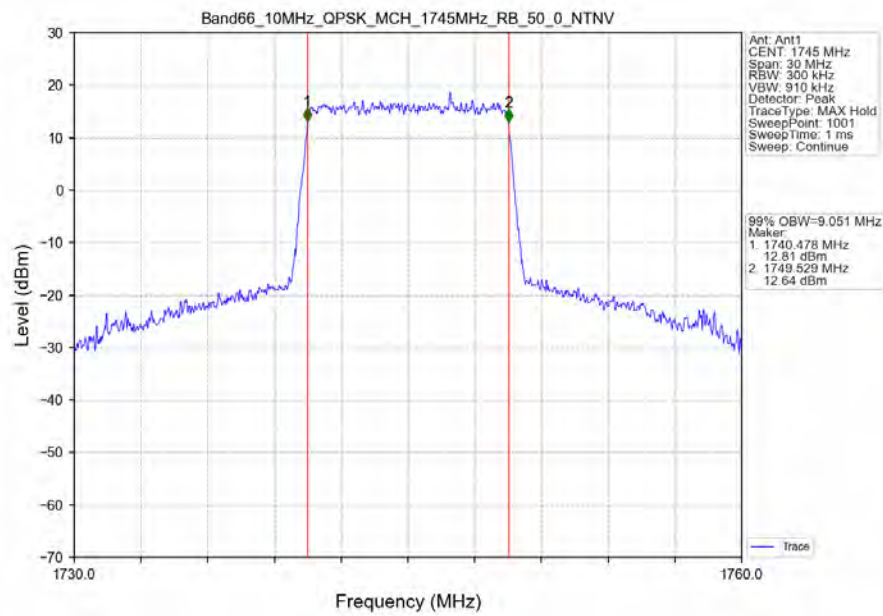




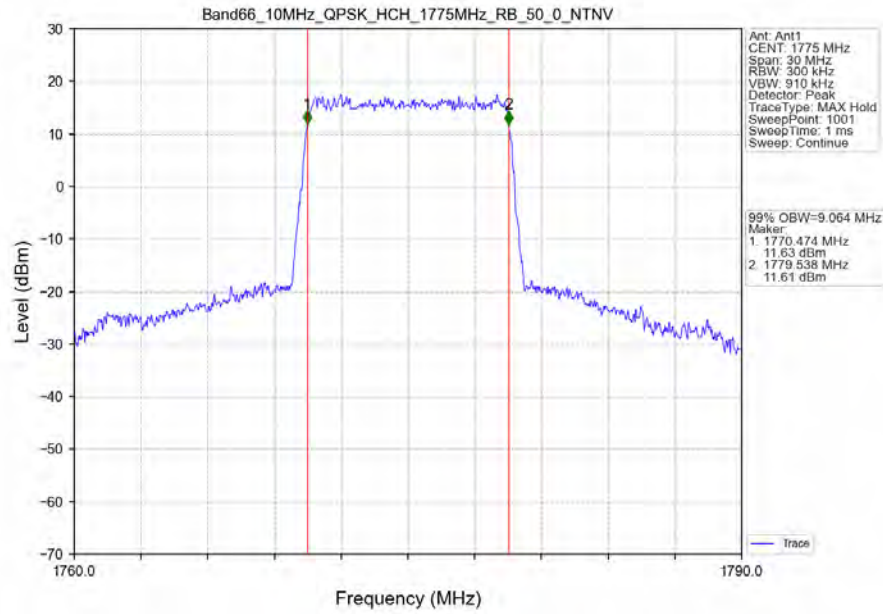
# Band66\_10MHz\_QPSK\_LCH\_1715MHz\_RB\_50\_0\_NTNV



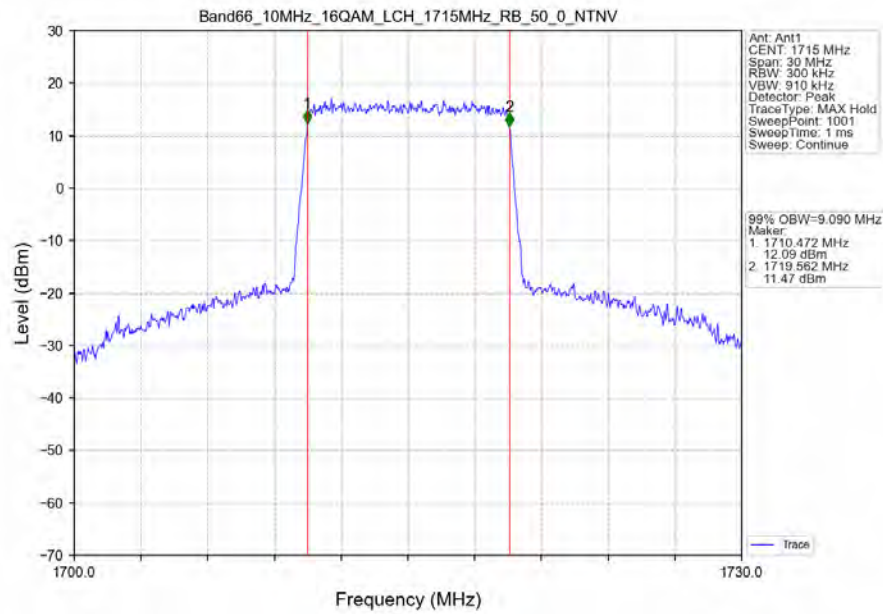
# Band66\_10MHz\_QPSK\_MCH\_1745MHz\_RB\_50\_0\_NTNV



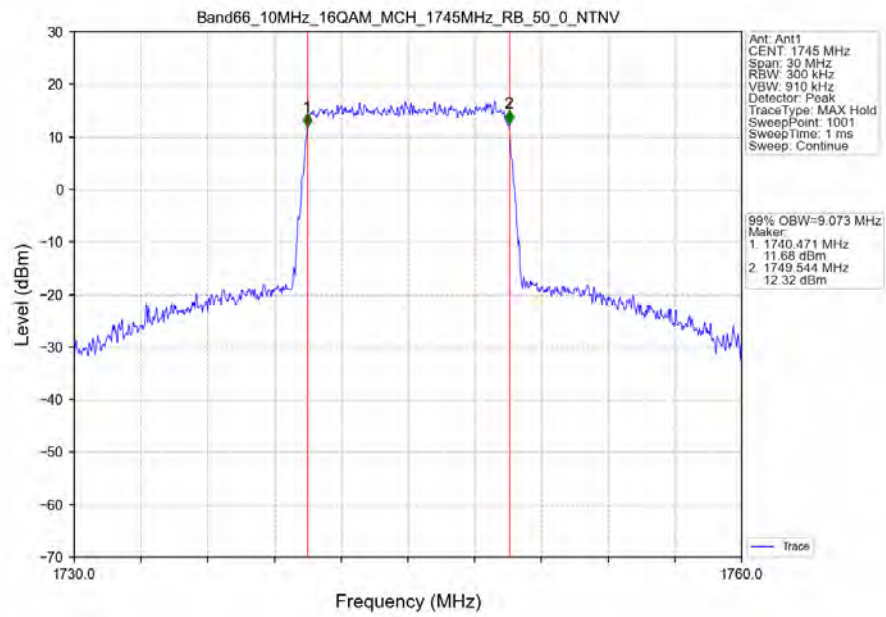
# Band66\_10MHz\_QPSK\_HCH\_1775MHz\_RB\_50\_0\_NTNV



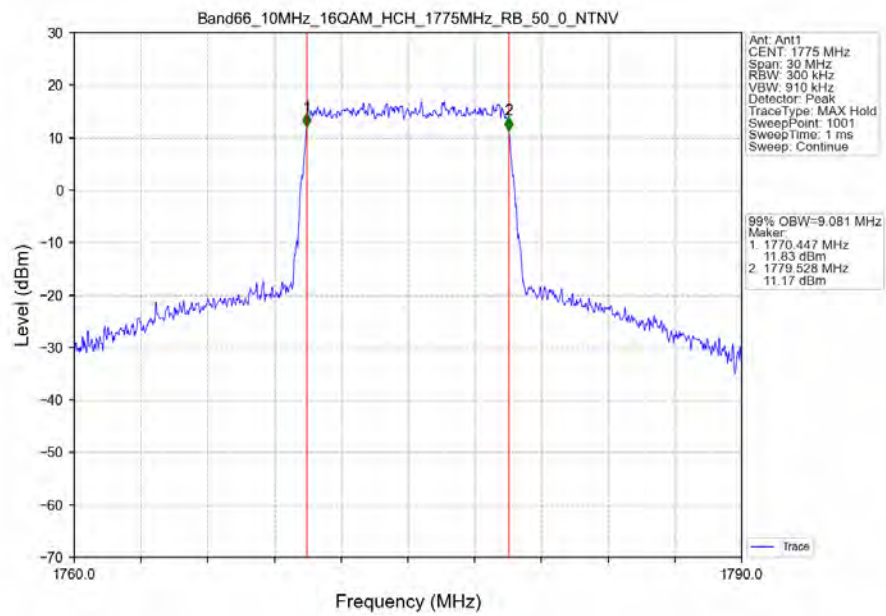
# Band66\_10MHz\_16QAM\_LCH\_1715MHz\_RB\_50\_0\_NTNV



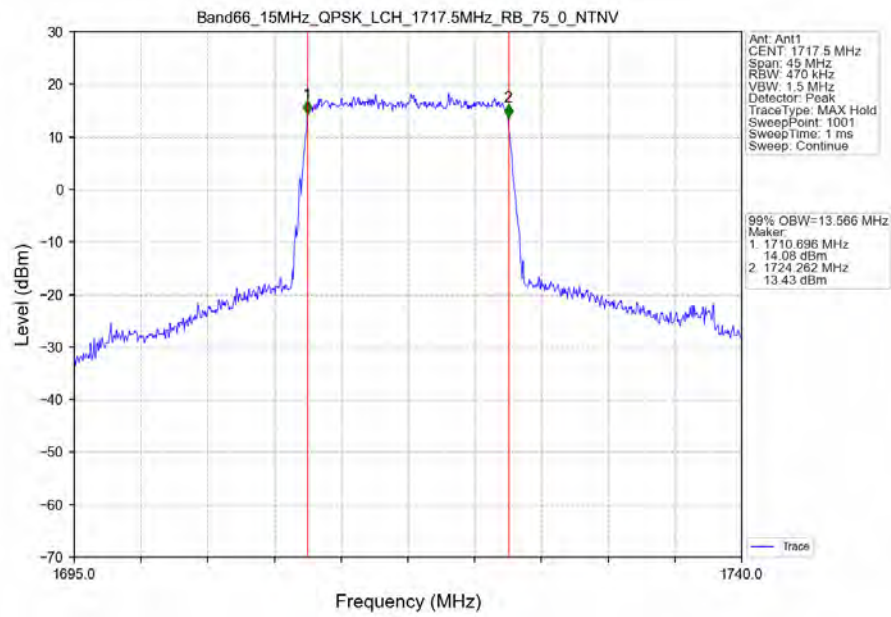
Band66\_10MHz\_16QAM\_MCH\_1745MHz\_RB\_50\_0\_NTNV



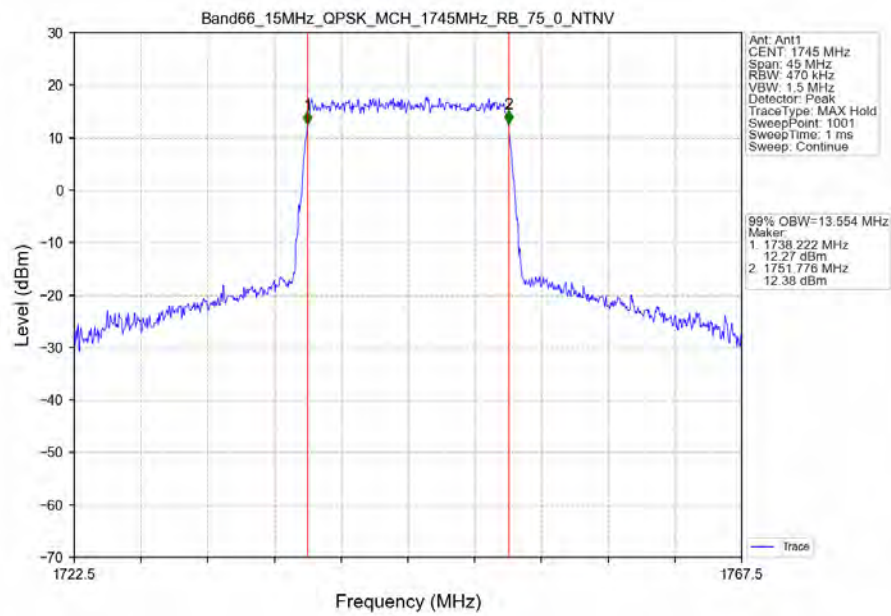
Band66\_10MHz\_16QAM\_HCH\_1775MHz\_RB\_50\_0\_NTNV



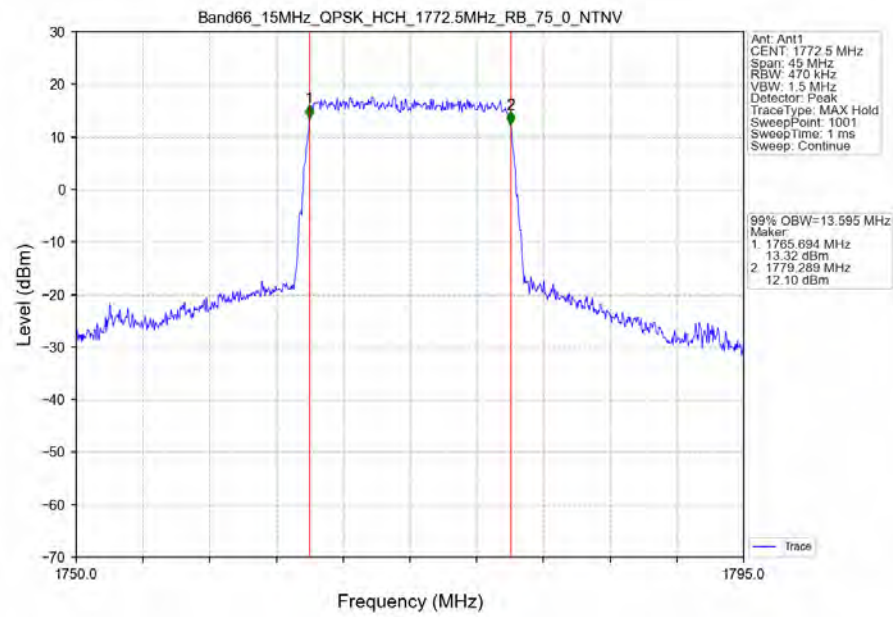
# Band66\_15MHz\_QPSK\_LCH\_1717.5MHz\_RB\_75\_0\_NTNV



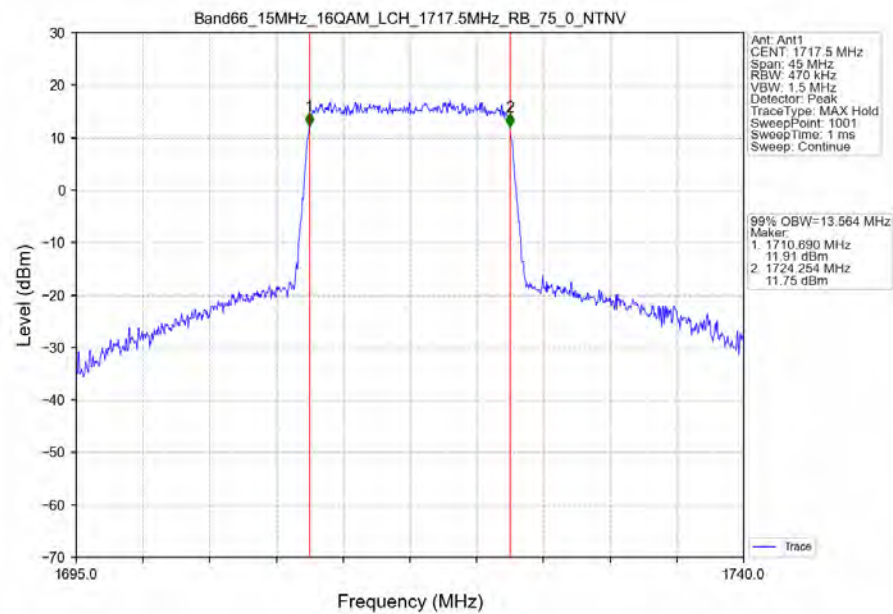
# Band66\_15MHz\_QPSK\_MCH\_1745MHz\_RB\_75\_0\_NTNV



# Band66\_15MHz\_QPSK\_HCH\_1772.5MHz\_RB\_75\_0\_NTNV

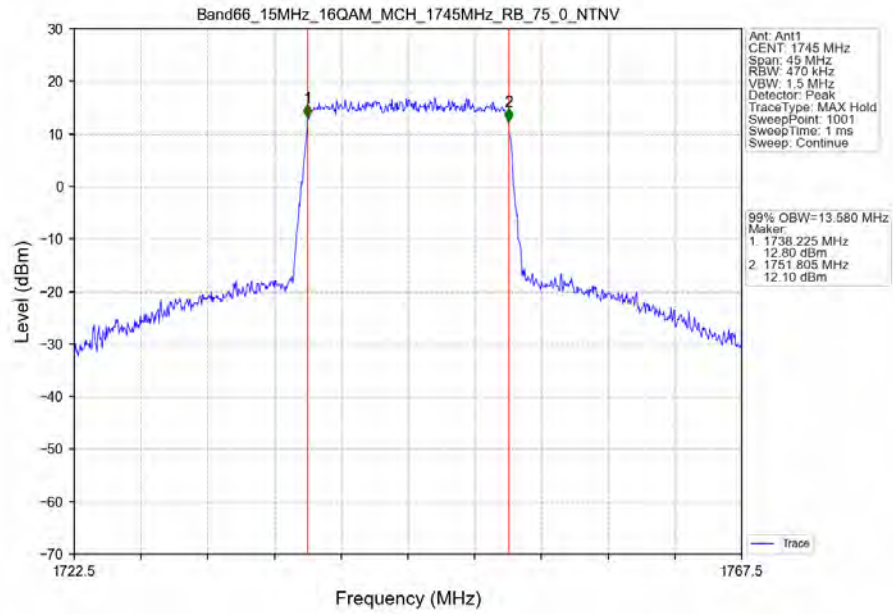


# Band66\_15MHz\_16QAM\_LCH\_1717.5MHz\_RB\_75\_0\_NTNV

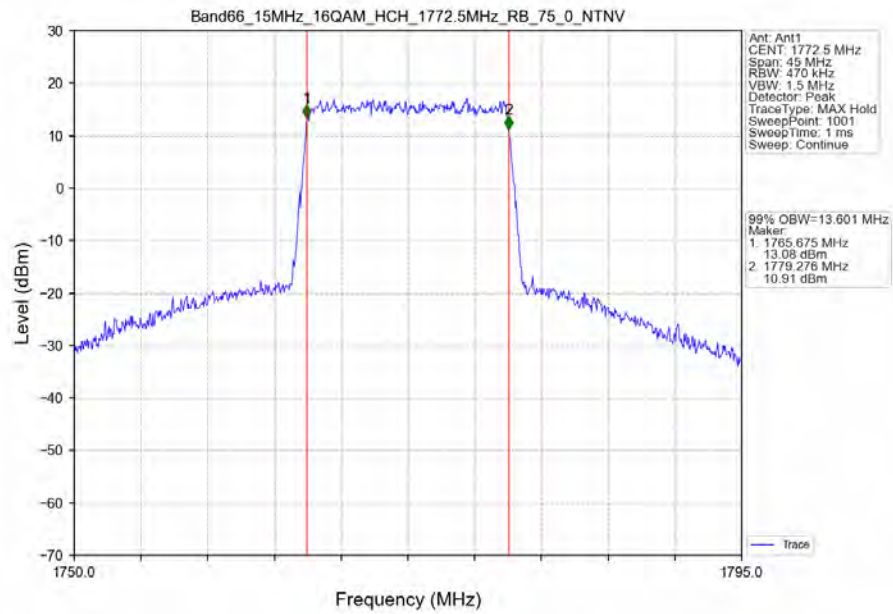




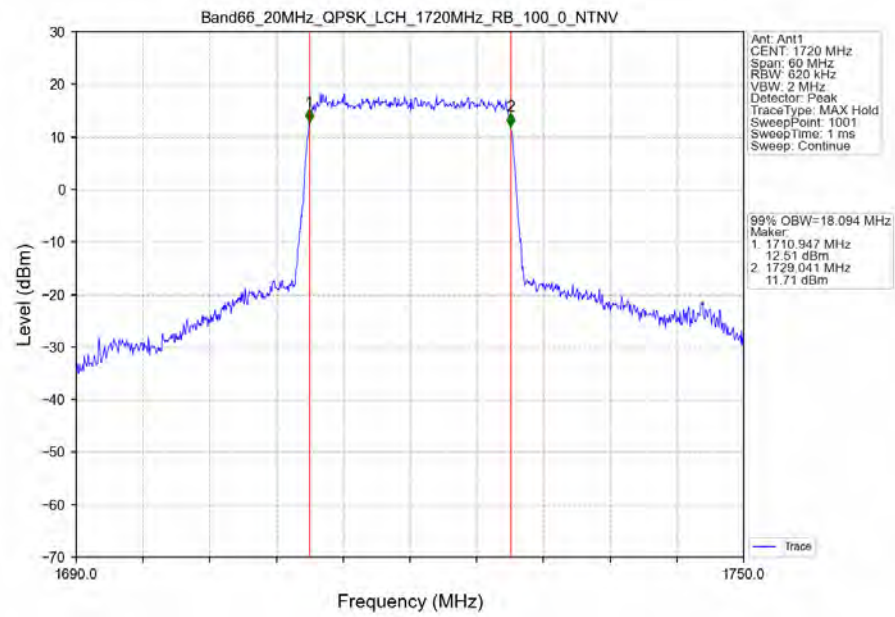
Band66\_15MHz\_16QAM\_MCH\_1745MHz\_RB\_75\_0\_NTNV



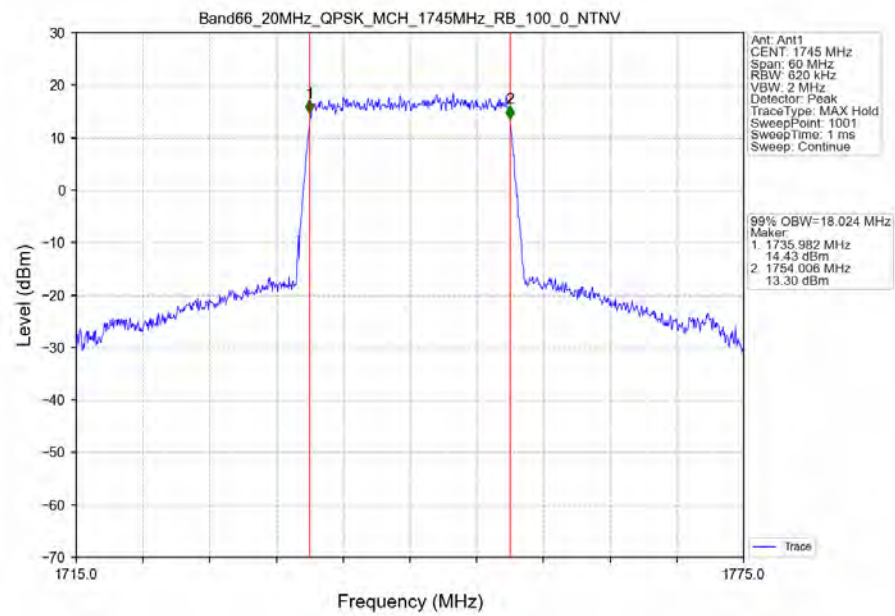
Band66\_15MHz\_16QAM\_HCH\_1772.5MHz\_RB\_75\_0\_NTNV



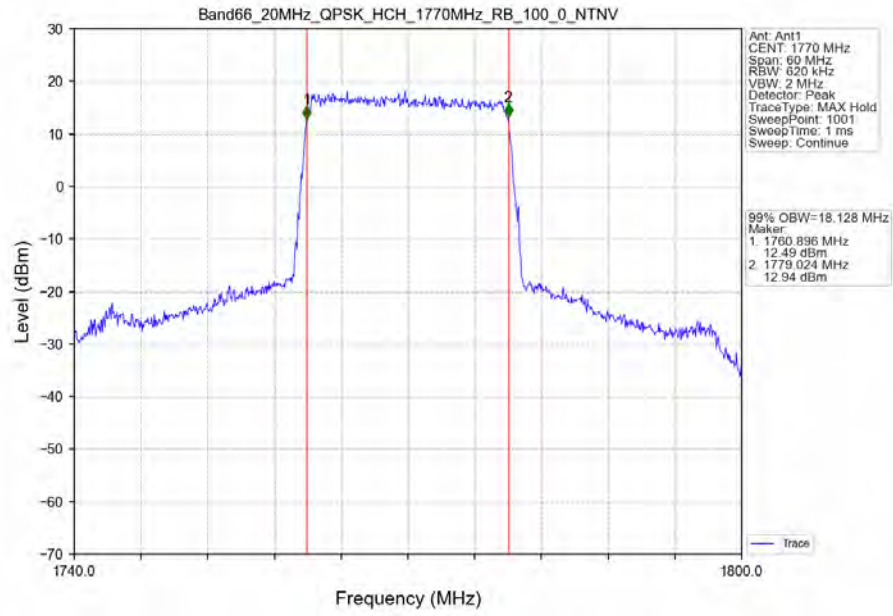
# Band66\_20MHz\_QPSK\_LCH\_1720MHz\_RB\_100\_0\_NTNV



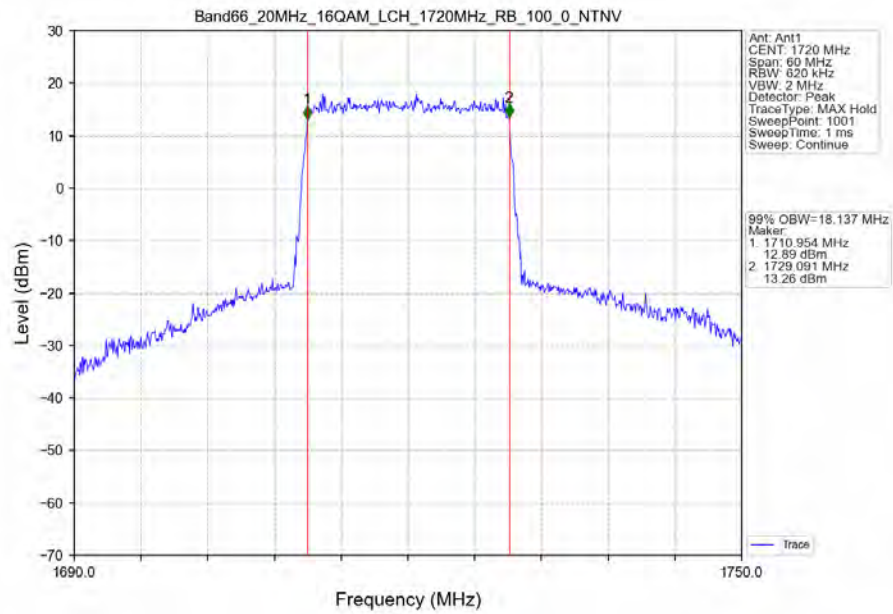
# Band66\_20MHz\_QPSK\_MCH\_1745MHz\_RB\_100\_0\_NTNV



# Band66 20MHz QPSK HCH 1770MHz RB 100 0 NTNV

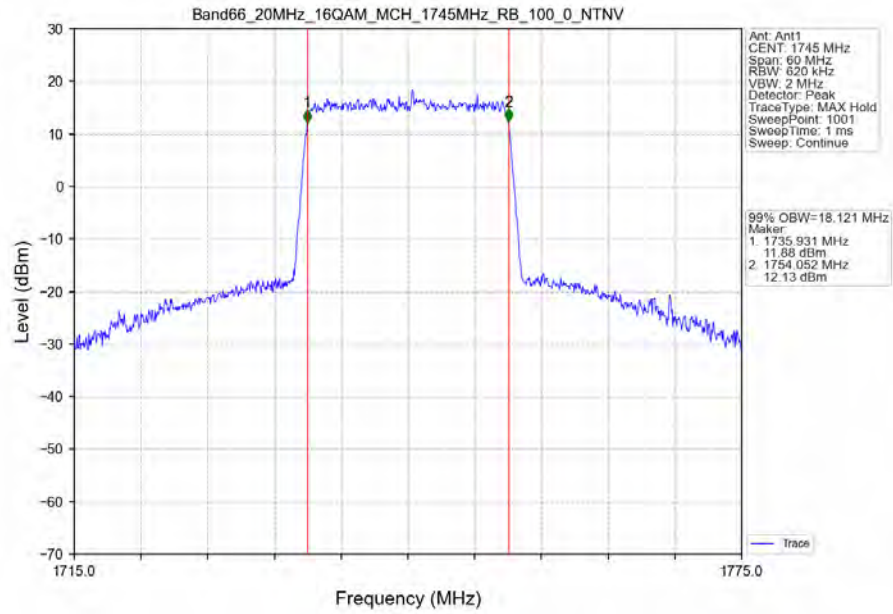


# Band66 20MHz 16QAM LCH 1720MHz RB 100 0 NTNV

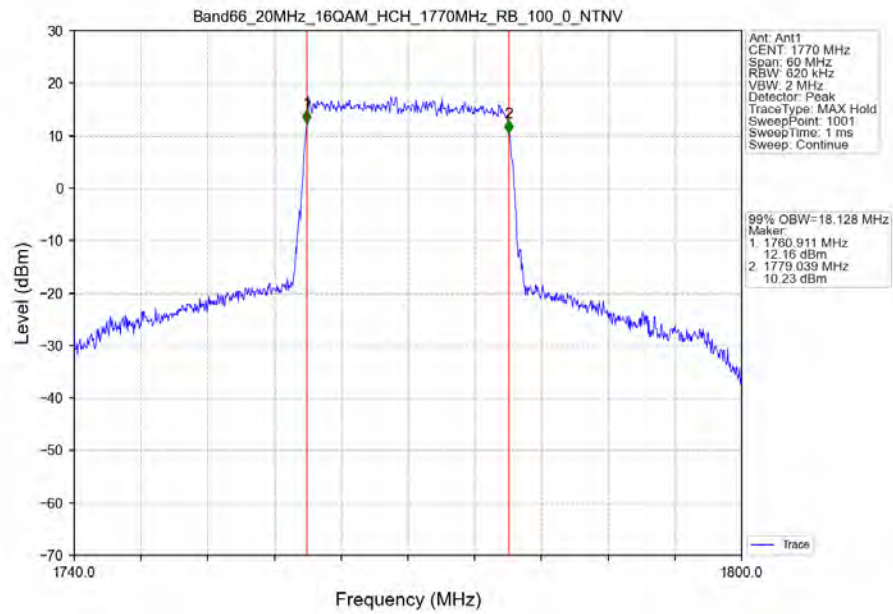




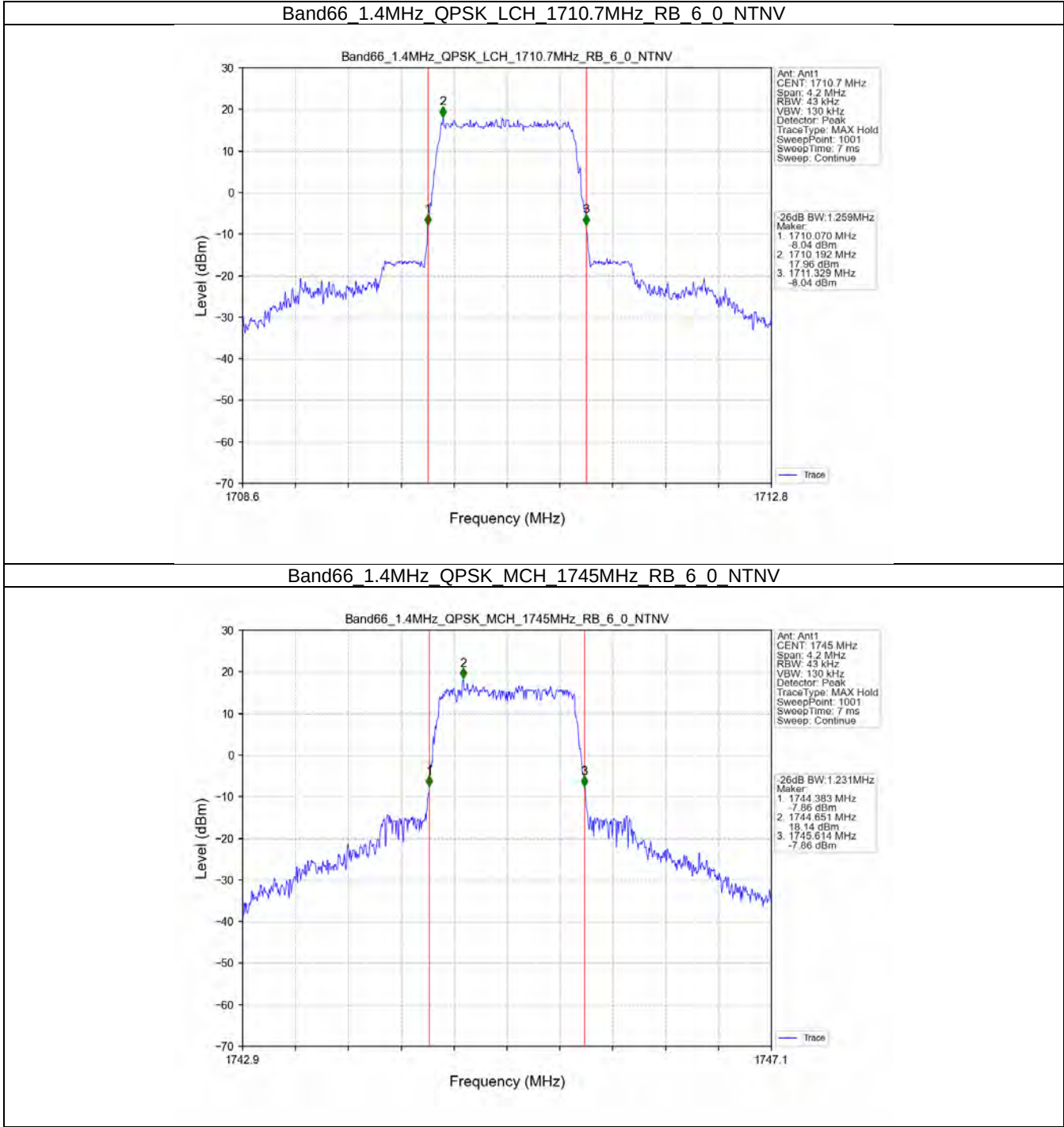
# Band66\_20MHz\_16QAM\_MCH\_1745MHz\_RB\_100\_0\_NTNV



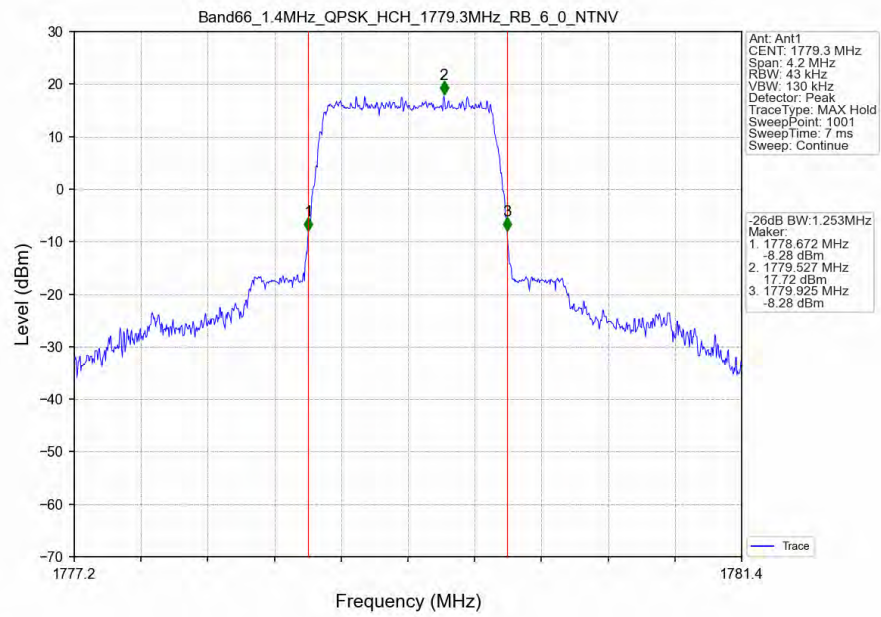
# Band66\_20MHz\_16QAM\_HCH\_1770MHz\_RB\_100\_0\_NTNV



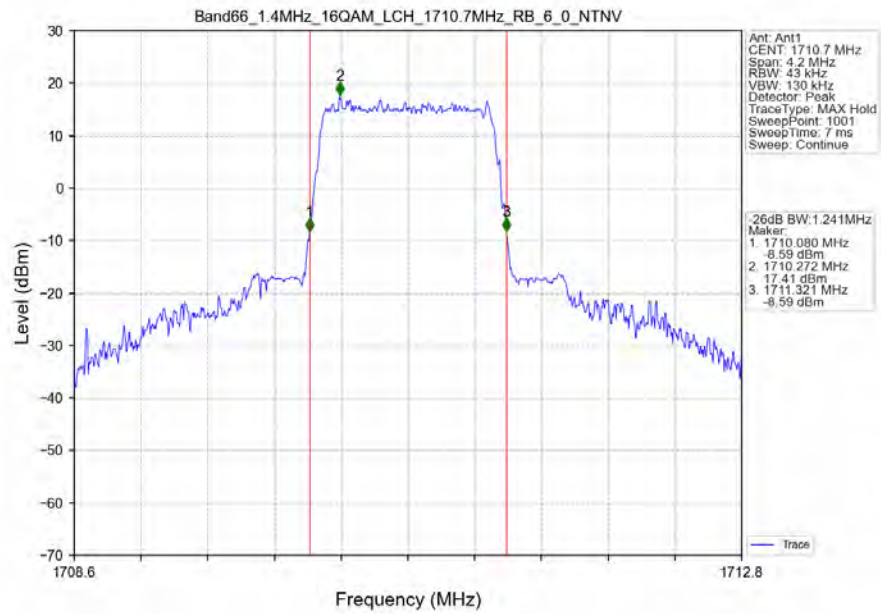
3.2.2 Band66\_XDB



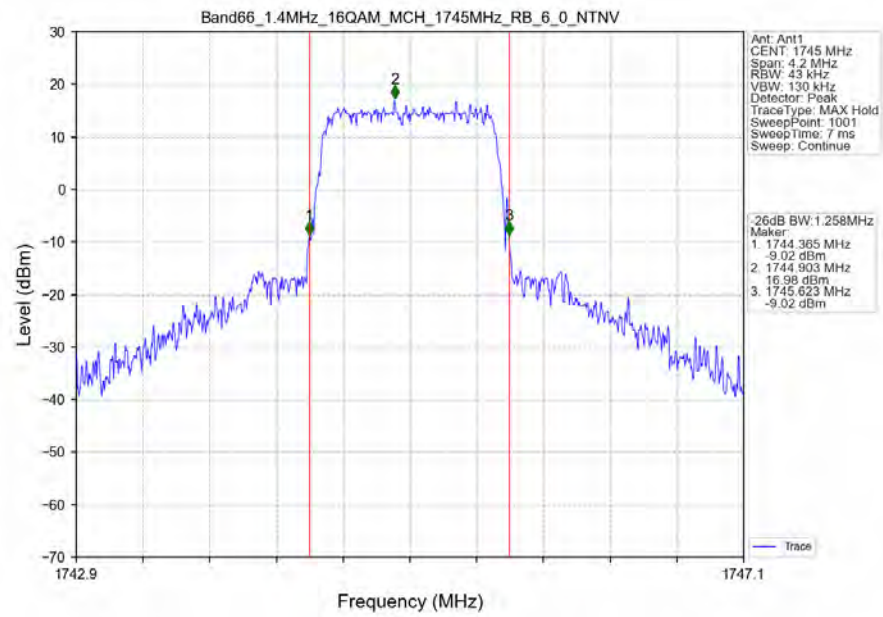
# Band66 1.4MHz QPSK HCH 1779.3MHz RB 6 0 NTV



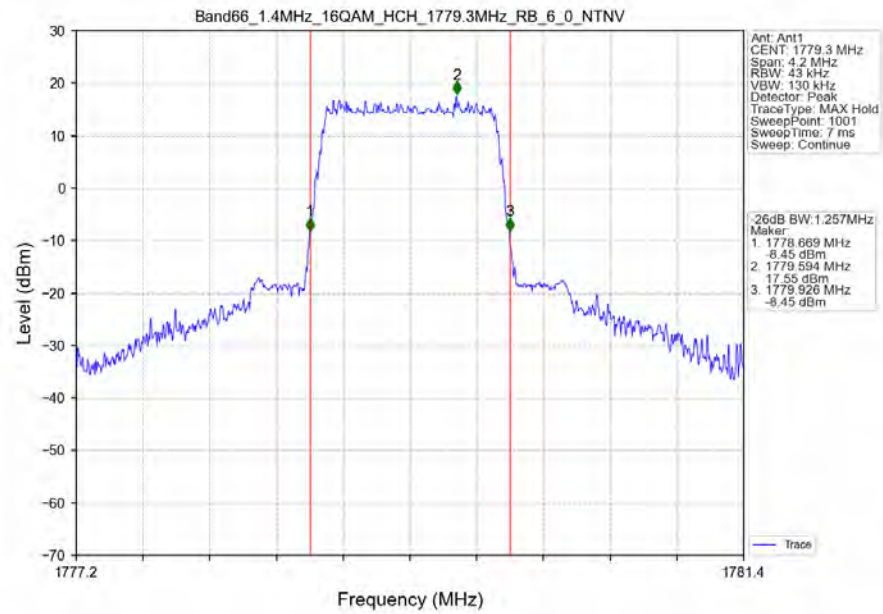
# Band66 1.4MHz 16QAM LCH 1710.7MHz RB 6 0 NTV



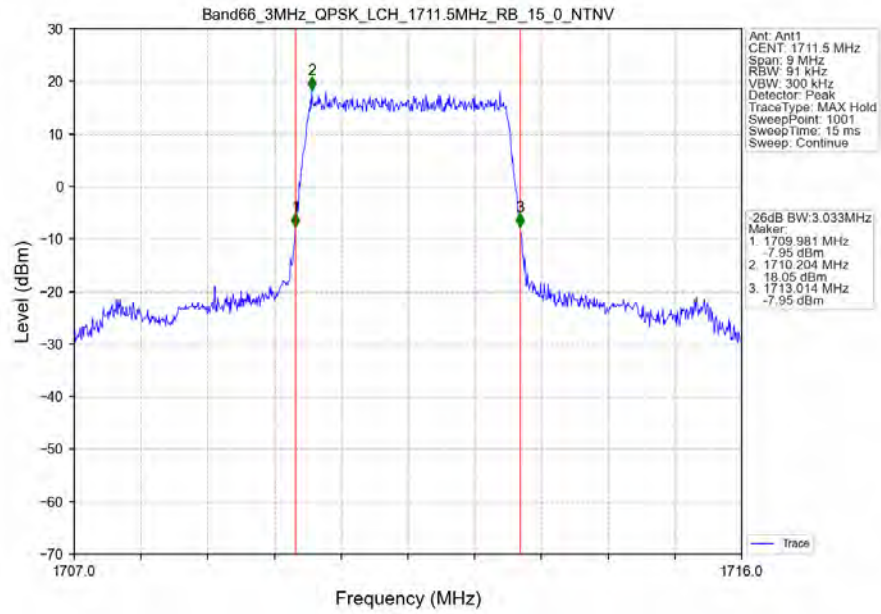
Band66 1.4MHz 16QAM MCH 1745MHz RB 6 0 NTV



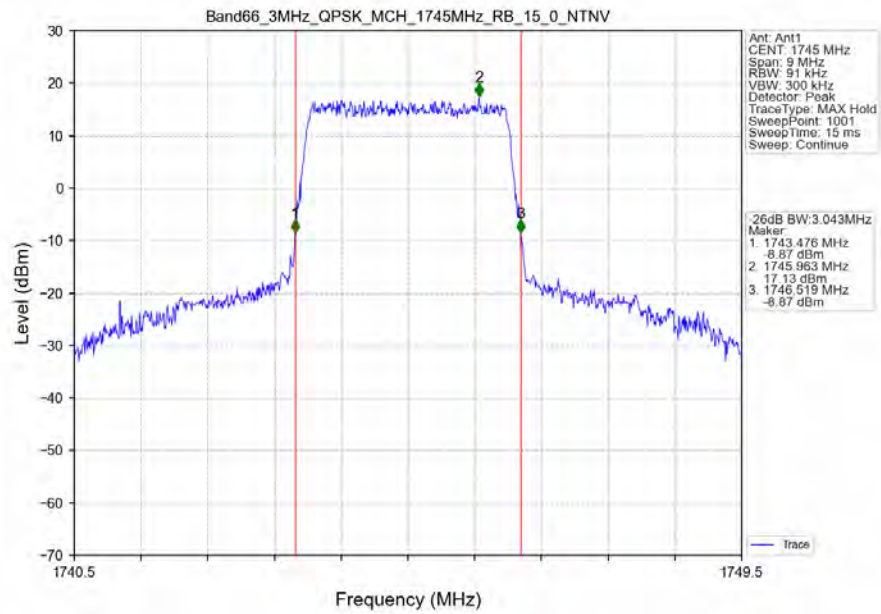
Band66 1.4MHz 16QAM HCH 1779.3MHz RB 6 0 NTV



# Band66\_3MHz\_QPSK\_LCH\_1711.5MHz\_RB\_15\_0\_NTNV

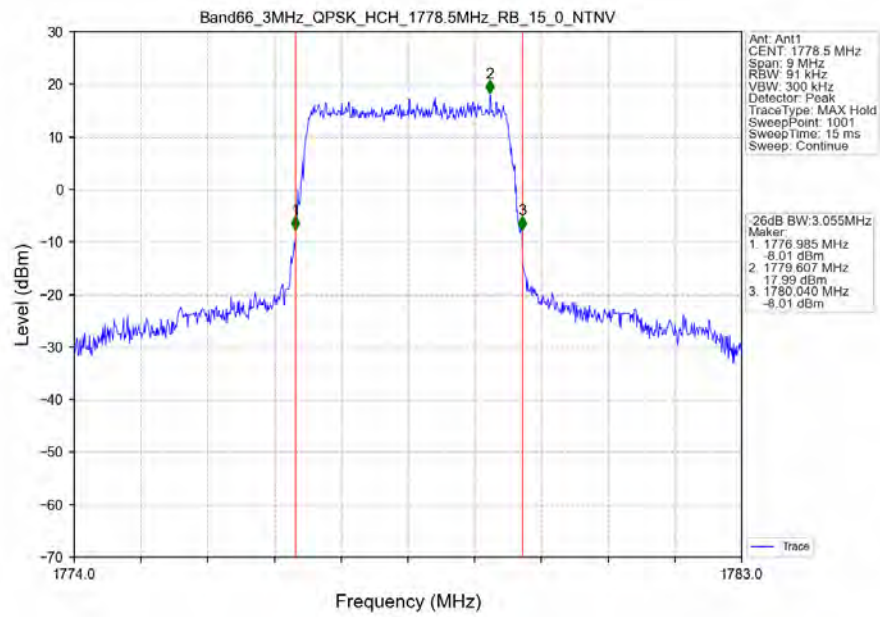


# Band66\_3MHz\_QPSK\_MCH\_1745MHz\_RB\_15\_0\_NTNV

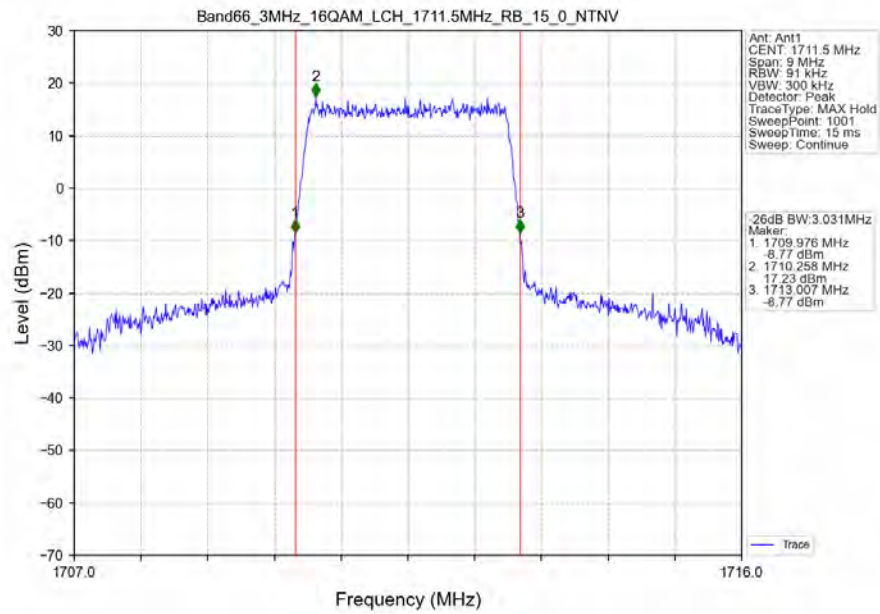




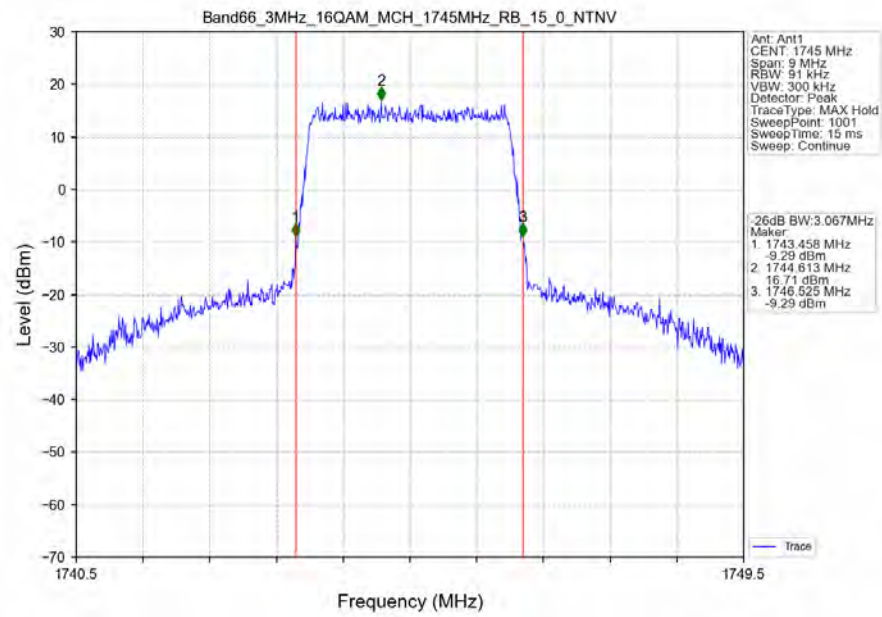
# Band66\_3MHz\_QPSK\_HCH\_1778.5MHz\_RB\_15\_0\_NTNV



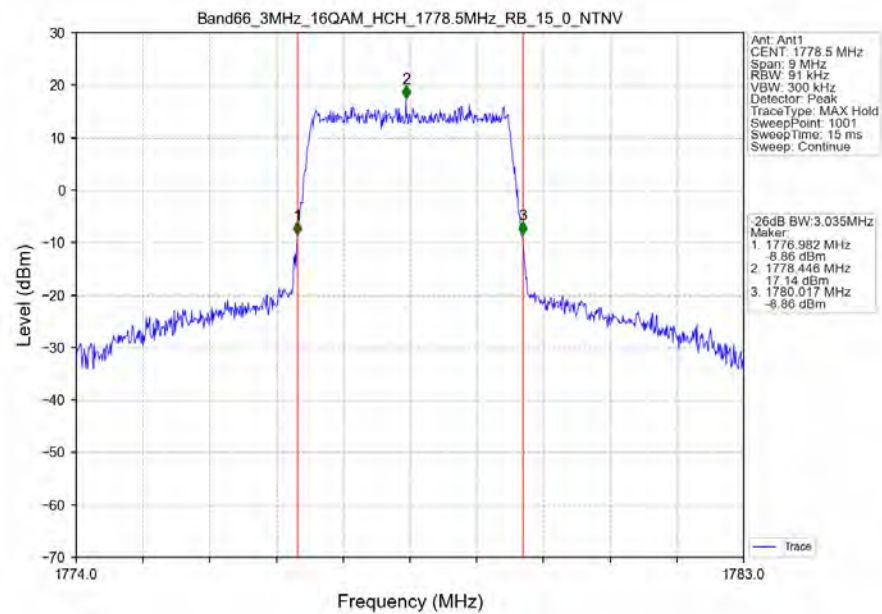
# Band66\_3MHz\_16QAM\_LCH\_1711.5MHz\_RB\_15\_0\_NTNV



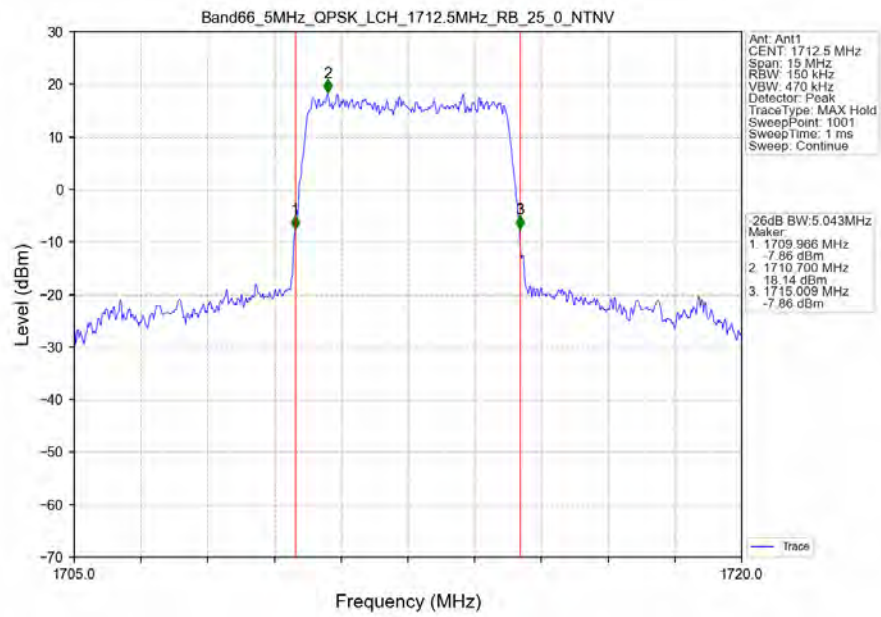
Band66\_3MHz\_16QAM\_MCH\_1745MHz\_RB\_15\_0\_NTNV



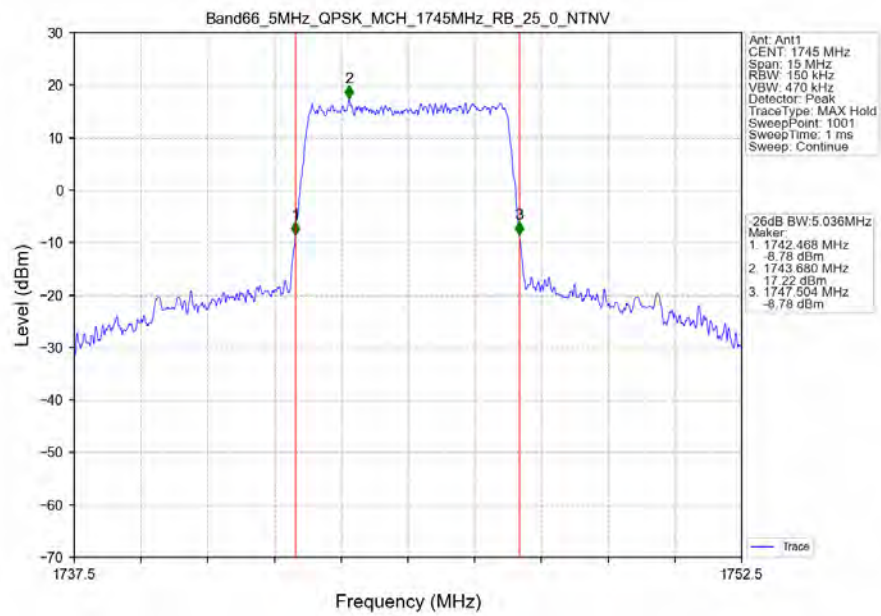
Band66\_3MHz\_16QAM\_HCH\_1778.5MHz\_RB\_15\_0\_NTNV



# Band66\_5MHz\_QPSK\_LCH\_1712.5MHz\_RB\_25\_0\_NTNV

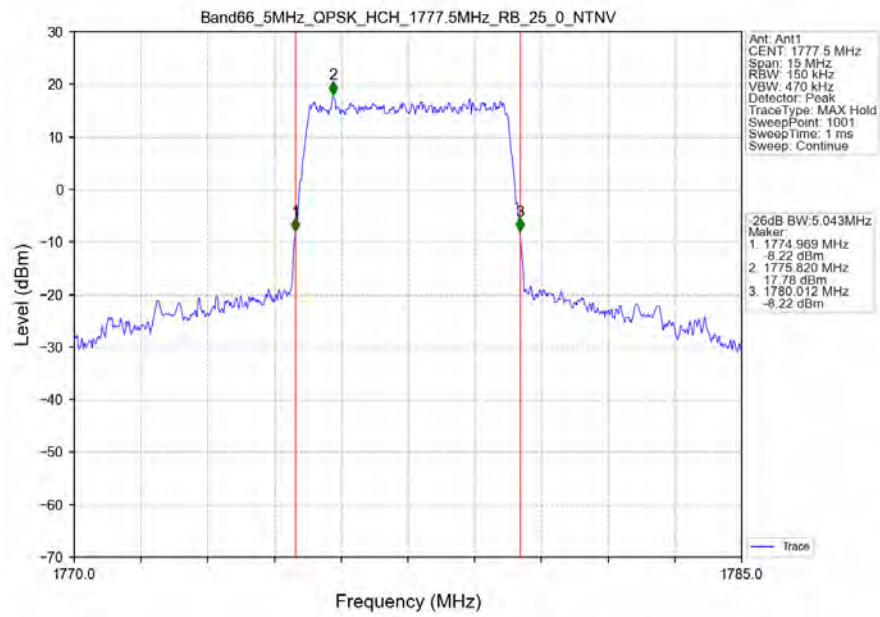


# Band66\_5MHz\_QPSK\_MCH\_1745MHz\_RB\_25\_0\_NTNV

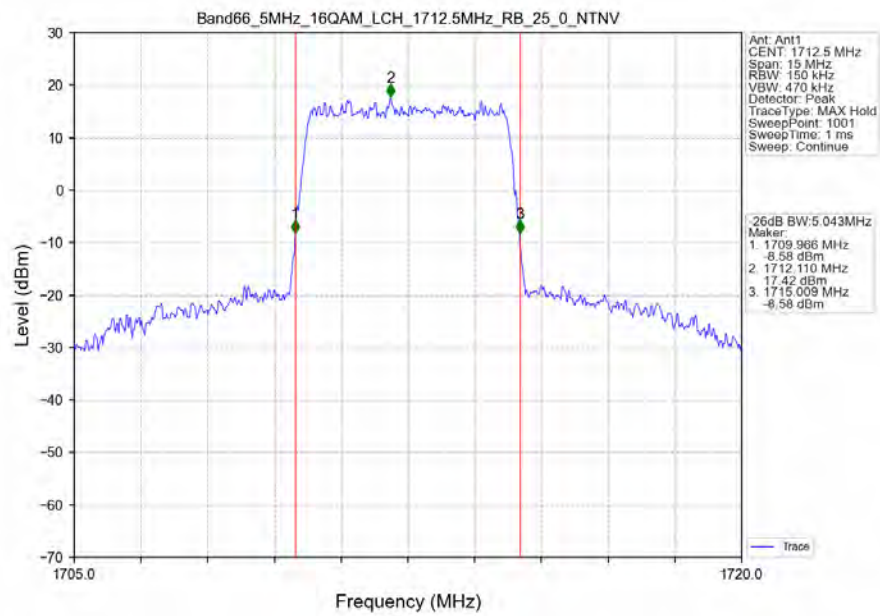




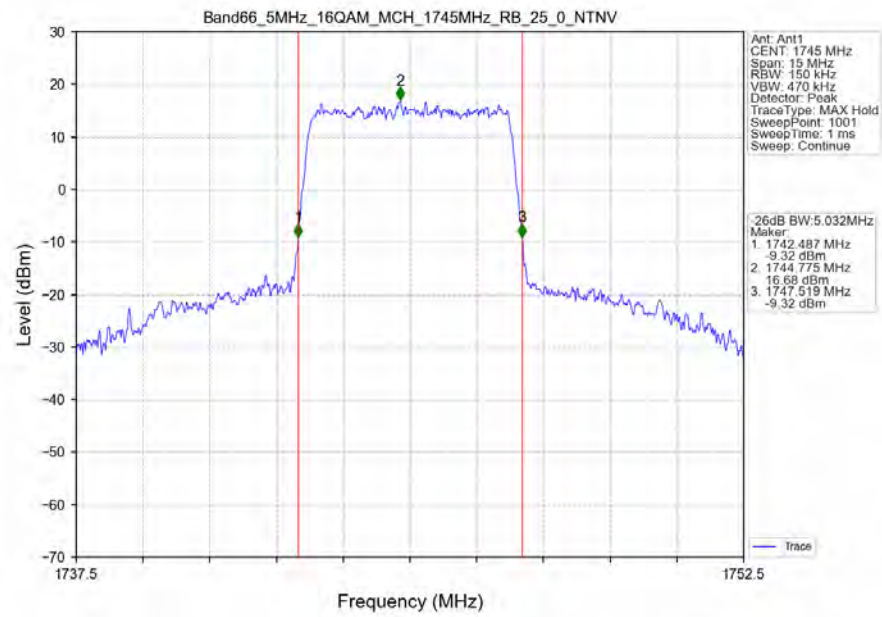
Band66\_5MHz\_QPSK\_HCH\_1777.5MHz\_RB\_25\_0\_NTNV



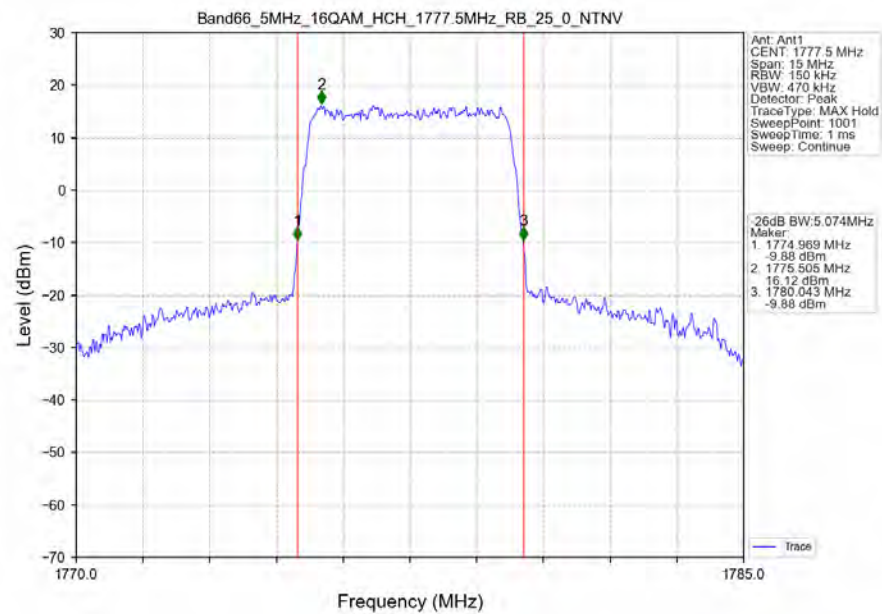
Band66\_5MHz\_16QAM\_LCH\_1712.5MHz\_RB\_25\_0\_NTNV



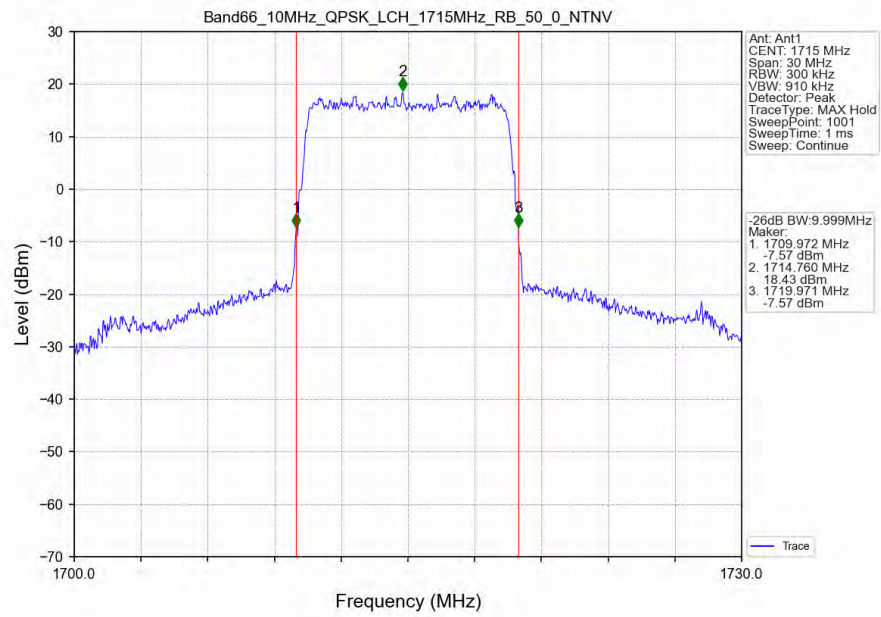
Band66\_5MHz\_16QAM\_MCH\_1745MHz\_RB\_25\_0\_NTNV



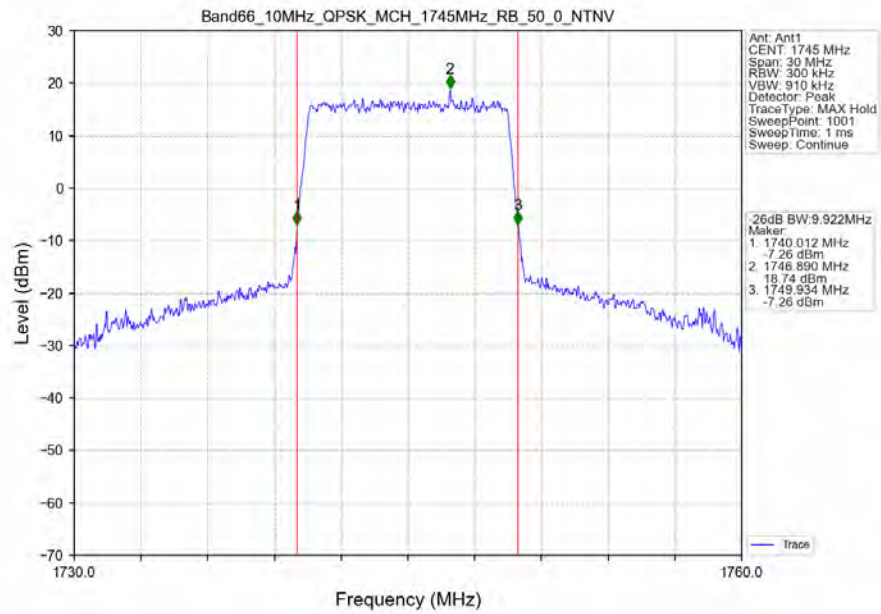
Band66\_5MHz\_16QAM\_HCH\_1777.5MHz\_RB\_25\_0\_NTNV



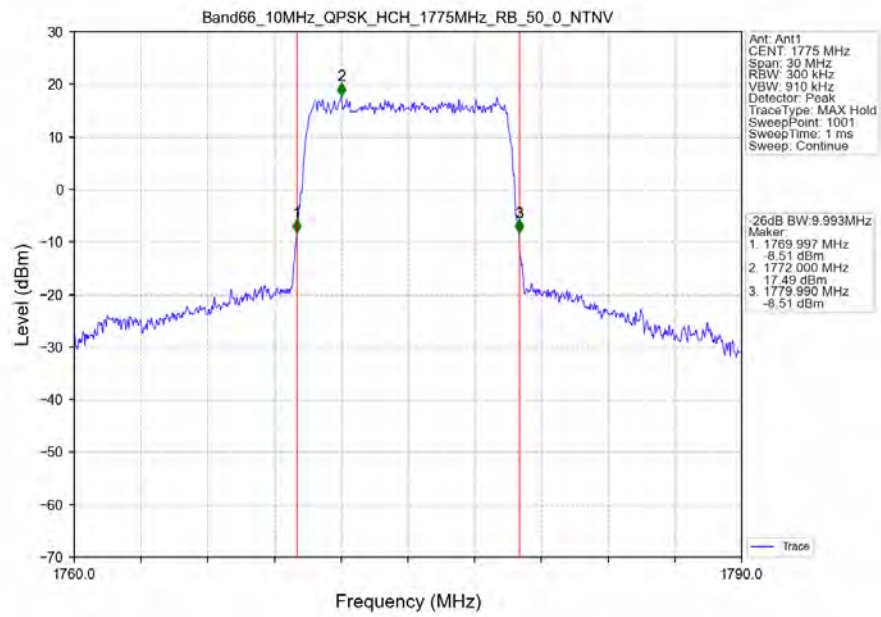
# Band66\_10MHz\_QPSK\_LCH\_1715MHz\_RB\_50\_0\_NTNV



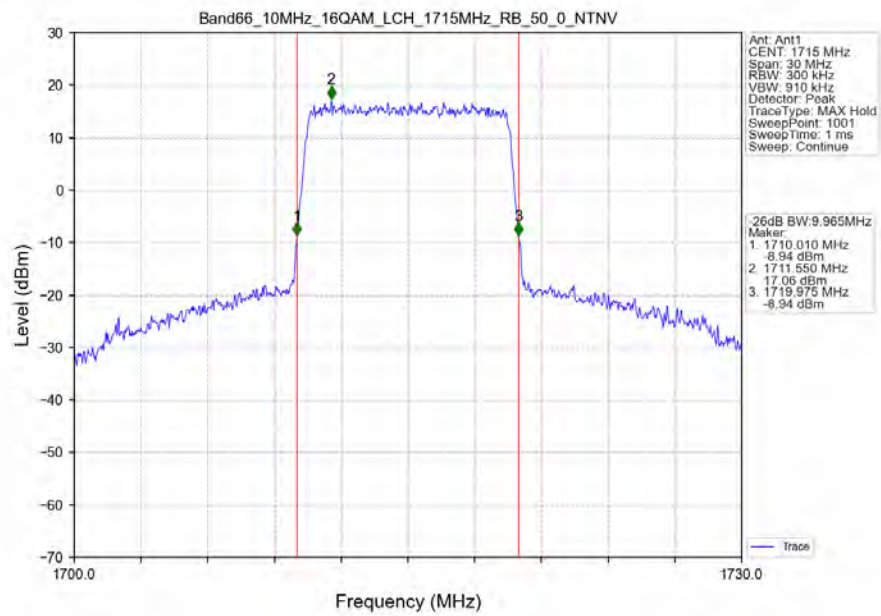
# Band66\_10MHz\_QPSK\_MCH\_1745MHz\_RB\_50\_0\_NTNV



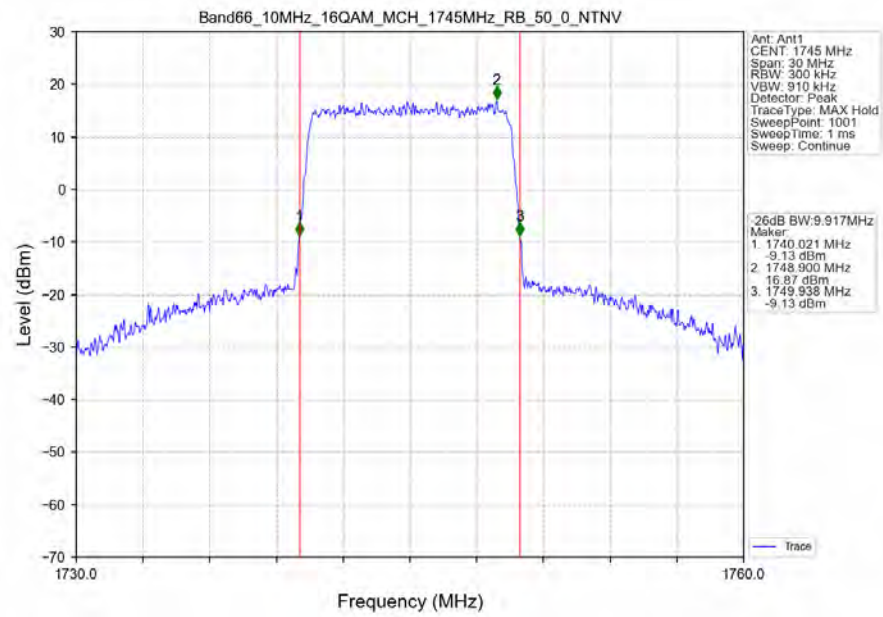
# Band66\_10MHz\_QPSK\_HCH\_1775MHz\_RB\_50\_0\_NTNV



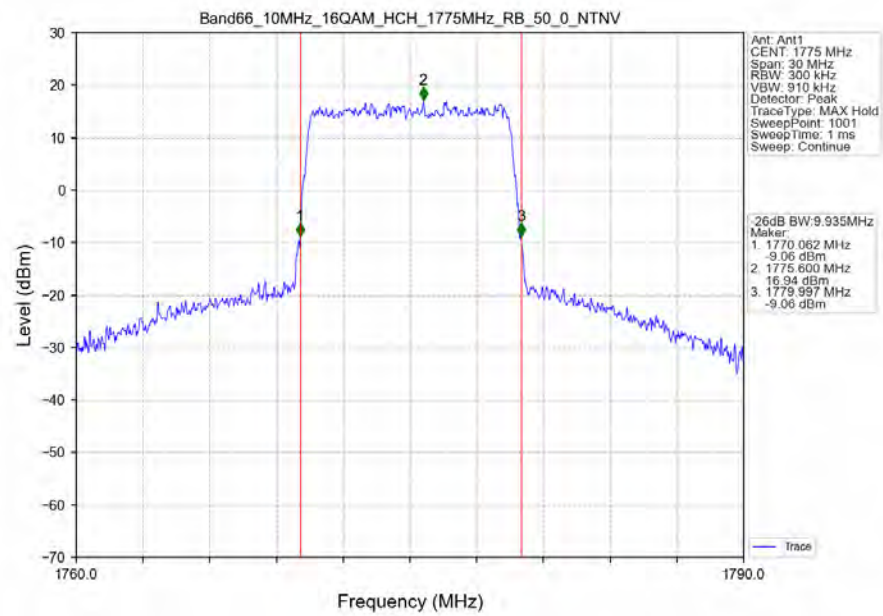
# Band66\_10MHz\_16QAM\_LCH\_1715MHz\_RB\_50\_0\_NTNV



Band66\_10MHz\_16QAM\_MCH\_1745MHz\_RB\_50\_0\_NTNV

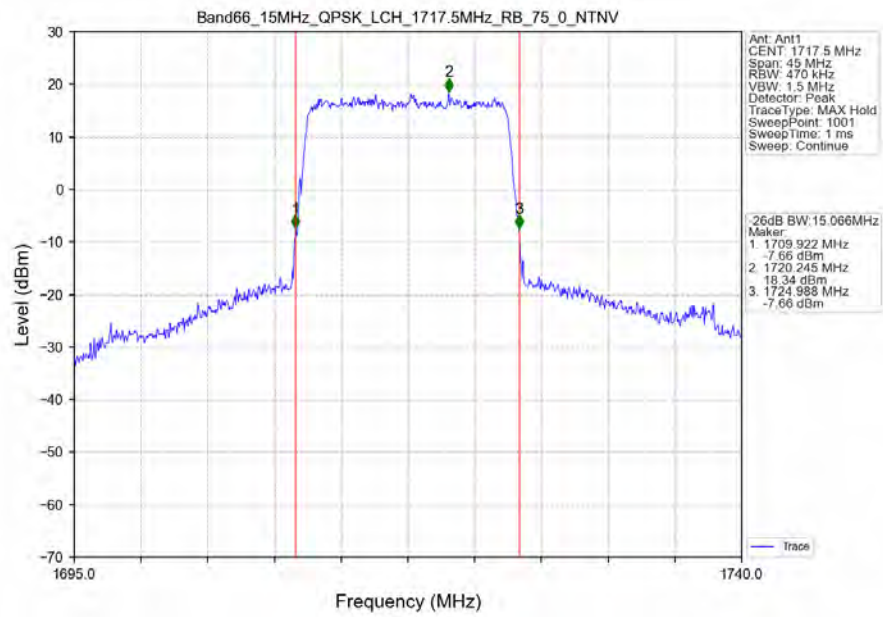


Band66\_10MHz\_16QAM\_HCH\_1775MHz\_RB\_50\_0\_NTNV

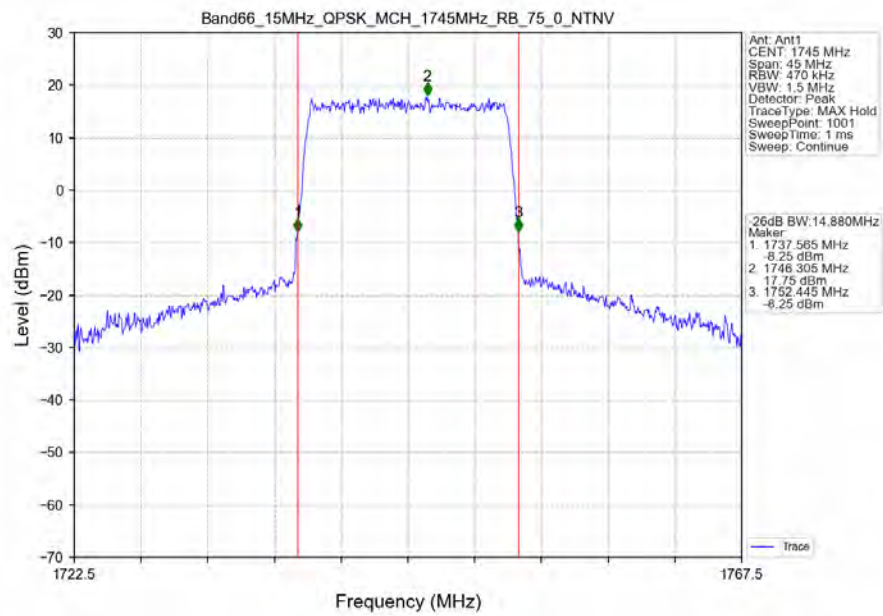




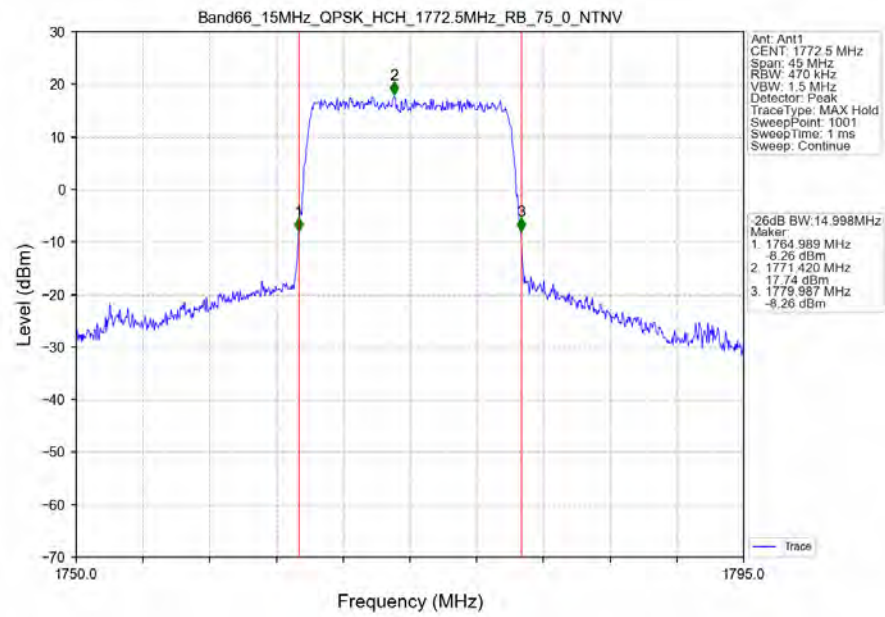
# Band66\_15MHz\_QPSK\_LCH\_1717.5MHz\_RB\_75\_0\_NTNV



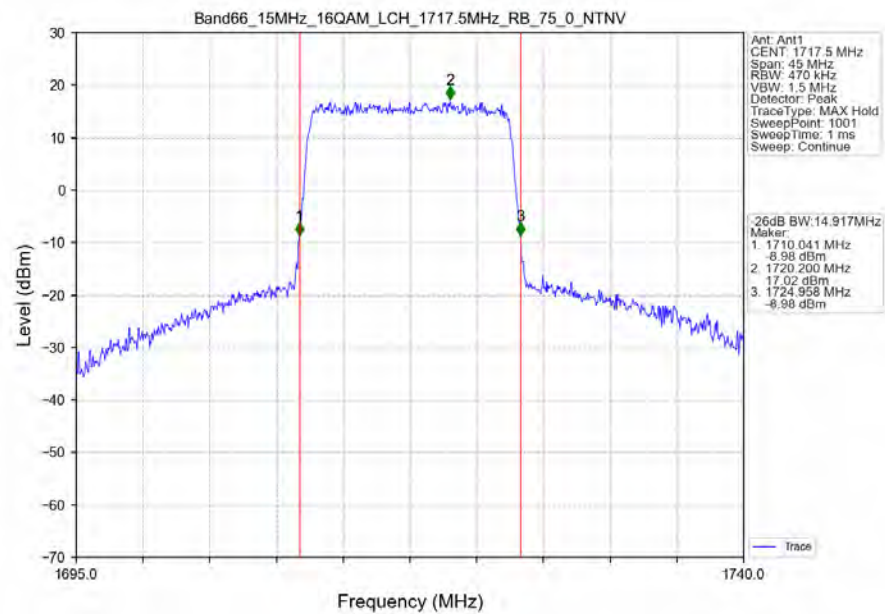
# Band66\_15MHz\_QPSK\_MCH\_1745MHz\_RB\_75\_0\_NTNV



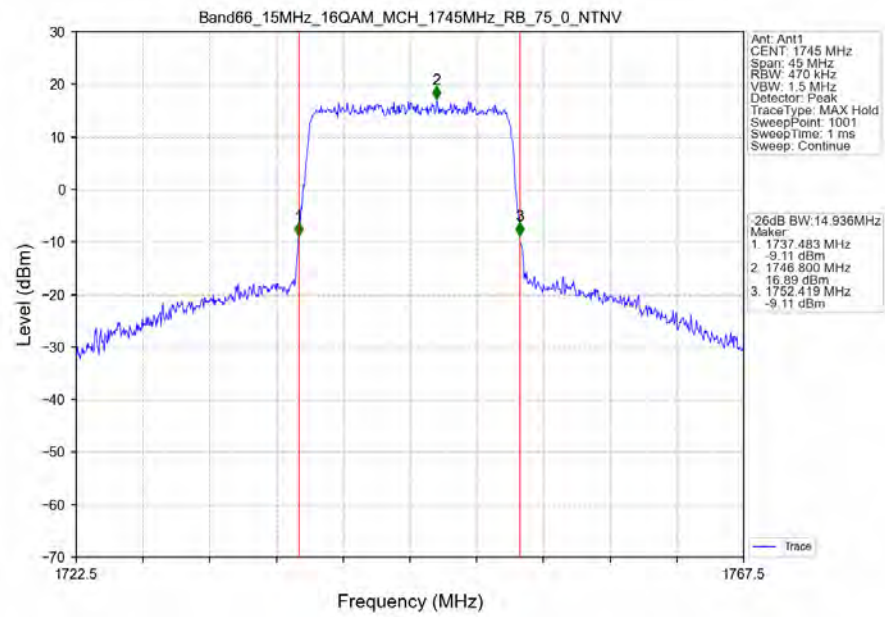
# Band66\_15MHz\_QPSK\_HCH\_1772.5MHz\_RB\_75\_0\_NTNV



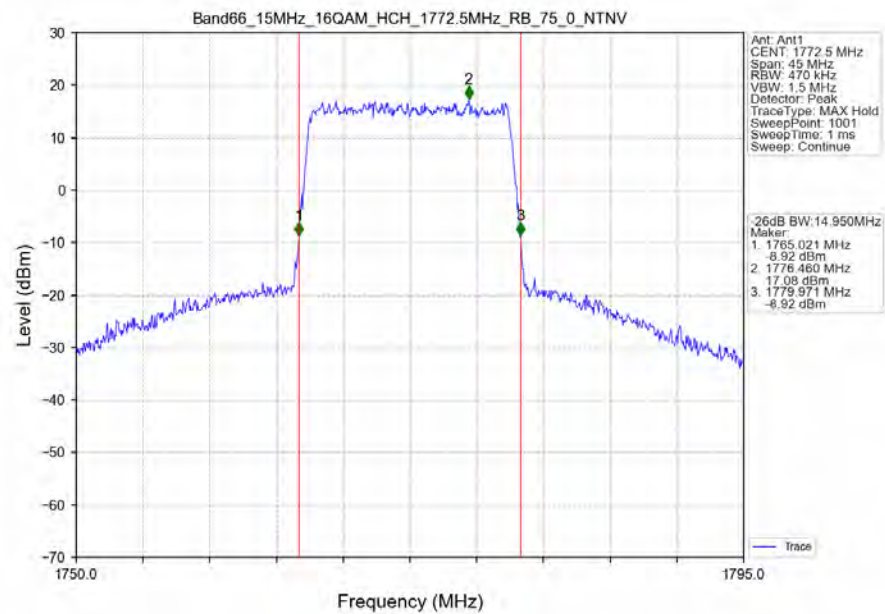
# Band66\_15MHz\_16QAM\_LCH\_1717.5MHz\_RB\_75\_0\_NTNV



Band66\_15MHz\_16QAM\_MCH\_1745MHz\_RB\_75\_0\_NTNV

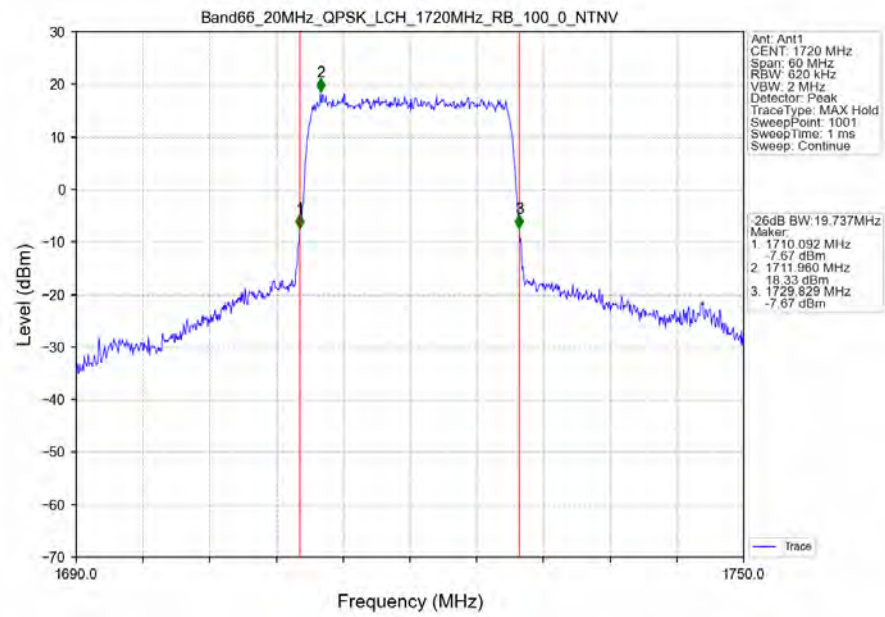


Band66\_15MHz\_16QAM\_HCH\_1772.5MHz\_RB\_75\_0\_NTNV

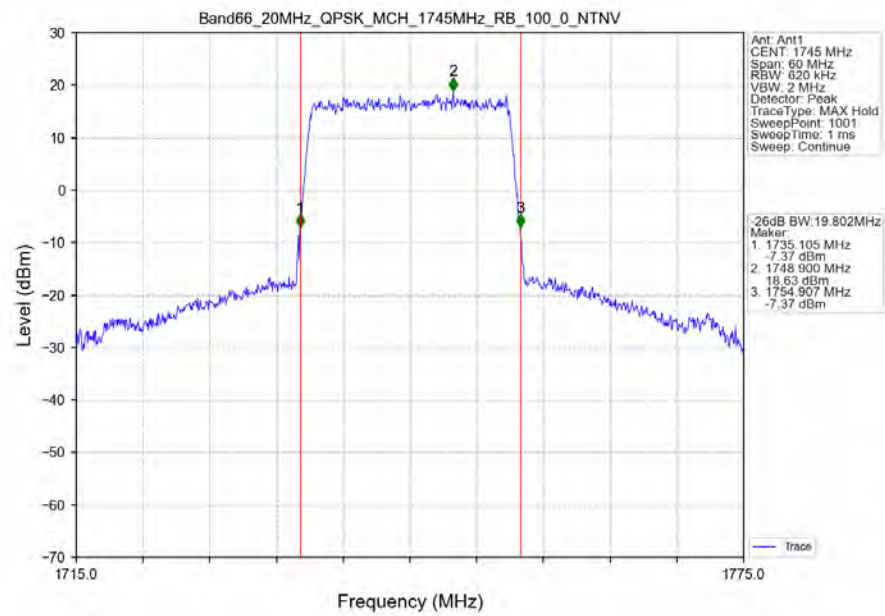




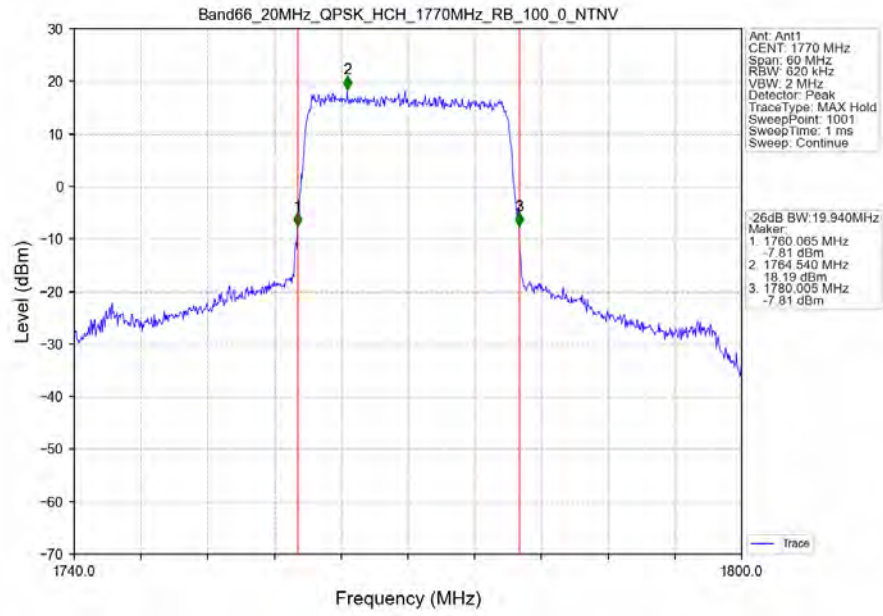
# Band66\_20MHz\_QPSK\_LCH\_1720MHz\_RB\_100\_0\_NTNV



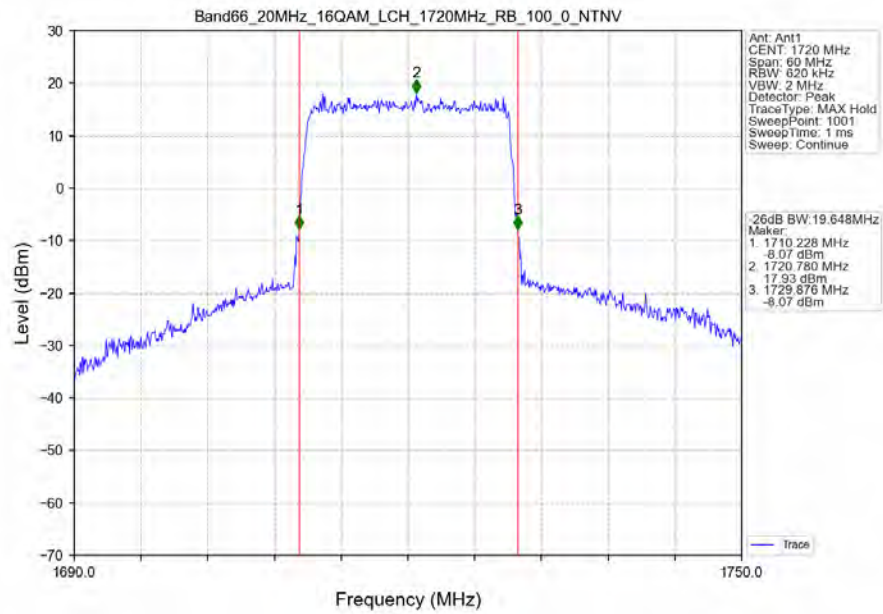
# Band66\_20MHz\_QPSK\_MCH\_1745MHz\_RB\_100\_0\_NTNV



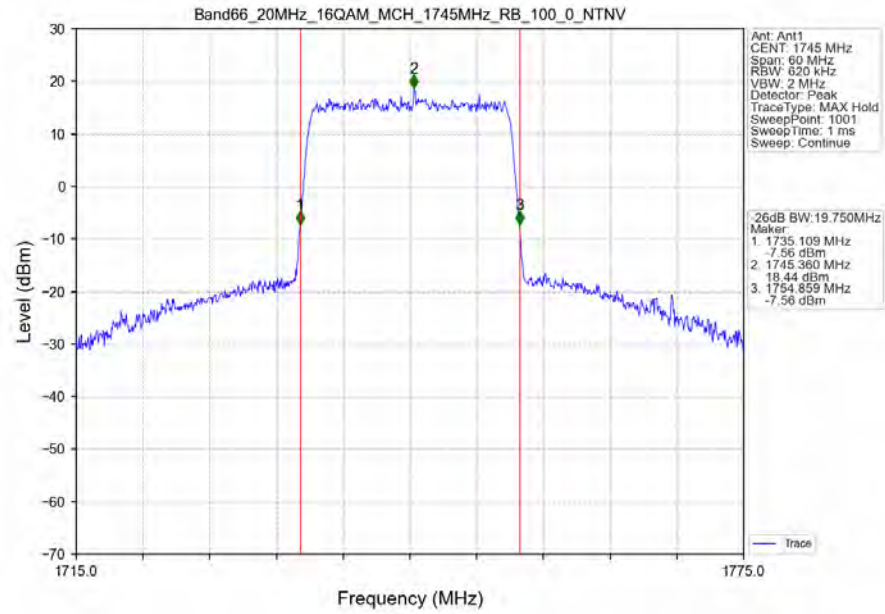
# Band66 20MHz QPSK HCH 1770MHz RB 100 0 NTNV



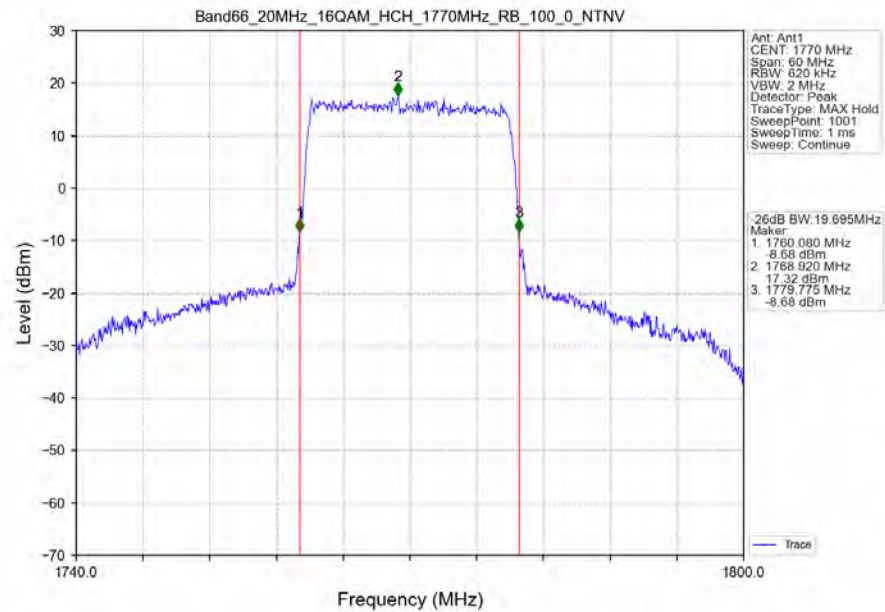
# Band66 20MHz 16QAM LCH 1720MHz RB 100 0 NTNV



Band66\_20MHz\_16QAM\_MCH\_1745MHz\_RB\_100\_0\_NTNV



Band66\_20MHz\_16QAM\_HCH\_1770MHz\_RB\_100\_0\_NTNV



## 4. Peak-Average Ratio

### 4.1 Test Result

#### 4.1.1 B66\_1.4MHz

| Band: 66 / Bandwidth: 1.4MHz / NTNV |                 |               |        |                         |       |         |
|-------------------------------------|-----------------|---------------|--------|-------------------------|-------|---------|
| Modulation                          | Frequency (MHz) | RB Allocation |        | Peak-Average Ratio (dB) |       | Verdict |
|                                     |                 | Size          | Offset | Result                  | Limit |         |
| QPSK                                | 1710.7          | 6             | 0      | 5.28                    | <=13  | Pass    |
|                                     | 1745            | 6             | 0      | 5.83                    | <=13  | Pass    |
|                                     | 1779.3          | 6             | 0      | 5.51                    | <=13  | Pass    |
| 16QAM                               | 1710.7          | 6             | 0      | 6.23                    | <=13  | Pass    |
|                                     | 1745            | 6             | 0      | 6.69                    | <=13  | Pass    |
|                                     | 1779.3          | 6             | 0      | 6.38                    | <=13  | Pass    |

#### 4.1.2 B66\_3MHz

| Band: 66 / Bandwidth: 3MHz / NTNV |                 |               |        |                         |       |         |
|-----------------------------------|-----------------|---------------|--------|-------------------------|-------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Peak-Average Ratio (dB) |       | Verdict |
|                                   |                 | Size          | Offset | Result                  | Limit |         |
| QPSK                              | 1711.5          | 15            | 0      | 5.51                    | <=13  | Pass    |
|                                   | 1745            | 15            | 0      | 5.85                    | <=13  | Pass    |
|                                   | 1778.5          | 15            | 0      | 5.64                    | <=13  | Pass    |
| 16QAM                             | 1711.5          | 15            | 0      | 6.34                    | <=13  | Pass    |
|                                   | 1745            | 15            | 0      | 6.72                    | <=13  | Pass    |
|                                   | 1778.5          | 15            | 0      | 6.50                    | <=13  | Pass    |

#### 4.1.3 B66\_5MHz

| Band: 66 / Bandwidth: 5MHz / NTNV |                 |               |        |                         |       |         |
|-----------------------------------|-----------------|---------------|--------|-------------------------|-------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Peak-Average Ratio (dB) |       | Verdict |
|                                   |                 | Size          | Offset | Result                  | Limit |         |
| QPSK                              | 1712.5          | 25            | 0      | 5.62                    | <=13  | Pass    |
|                                   | 1745            | 25            | 0      | 5.86                    | <=13  | Pass    |
|                                   | 1777.5          | 25            | 0      | 5.70                    | <=13  | Pass    |
| 16QAM                             | 1712.5          | 25            | 0      | 6.41                    | <=13  | Pass    |
|                                   | 1745            | 25            | 0      | 6.66                    | <=13  | Pass    |
|                                   | 1777.5          | 25            | 0      | 6.50                    | <=13  | Pass    |

#### 4.1.4 B66\_10MHz

| Band: 66 / Bandwidth: 10MHz / NTNV |                 |               |        |                         |       |         |
|------------------------------------|-----------------|---------------|--------|-------------------------|-------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation |        | Peak-Average Ratio (dB) |       | Verdict |
|                                    |                 | Size          | Offset | Result                  | Limit |         |
| QPSK                               | 1715            | 50            | 0      | 5.59                    | <=13  | Pass    |
|                                    | 1745            | 50            | 0      | 5.74                    | <=13  | Pass    |
|                                    | 1775            | 50            | 0      | 5.72                    | <=13  | Pass    |

|       |      |    |   |      |      |      |
|-------|------|----|---|------|------|------|
| 16QAM | 1715 | 50 | 0 | 6.44 | <=13 | Pass |
|       | 1745 | 50 | 0 | 6.63 | <=13 | Pass |
|       | 1775 | 50 | 0 | 6.53 | <=13 | Pass |

#### 4.1.5 B66\_15MHz

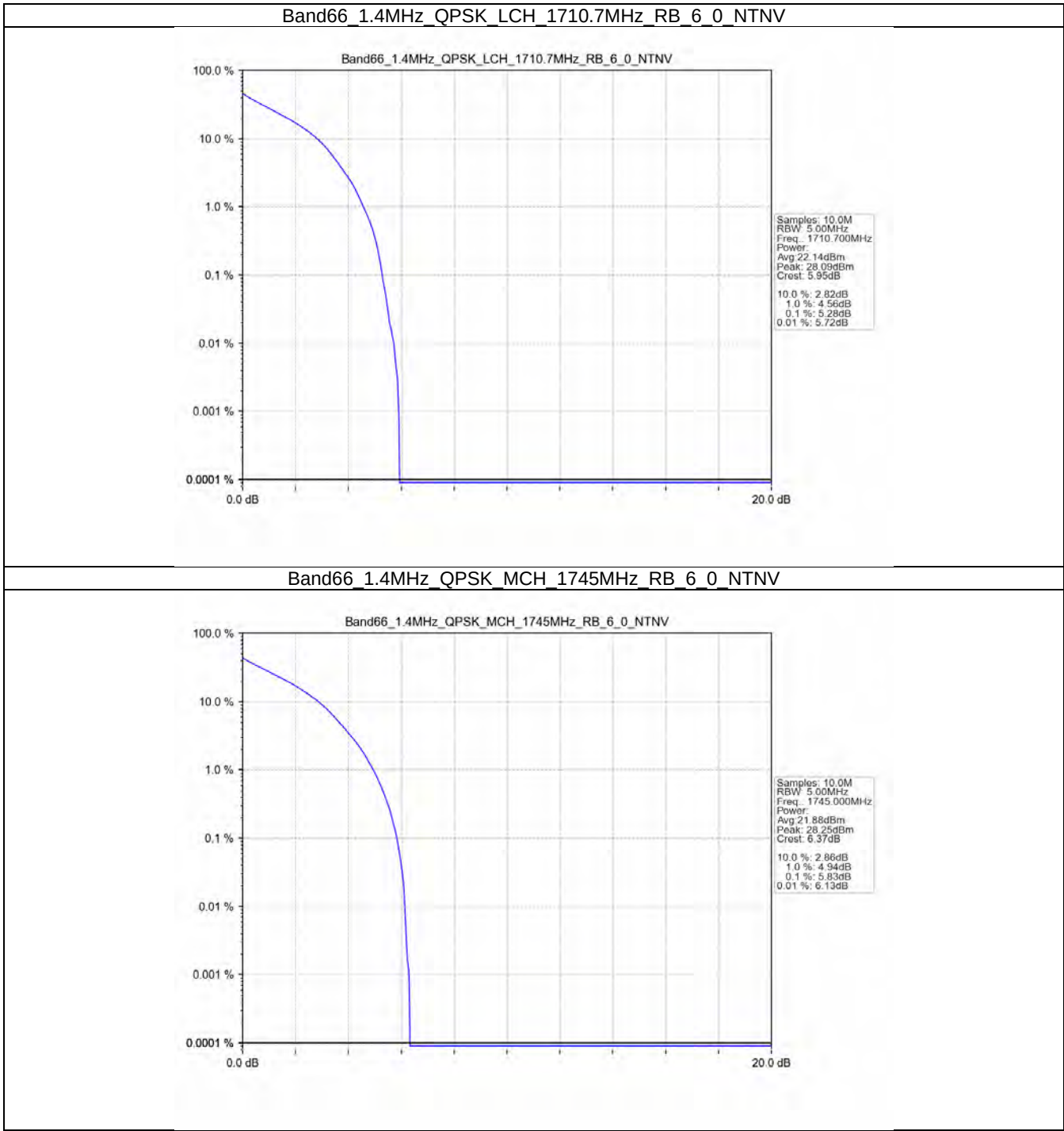
| Band: 66 / Bandwidth: 15MHz / NTNV |                 |               |        |                         |       |         |
|------------------------------------|-----------------|---------------|--------|-------------------------|-------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation |        | Peak-Average Ratio (dB) |       | Verdict |
|                                    |                 | Size          | Offset | Result                  | Limit |         |
| QPSK                               | 1717.5          | 75            | 0      | 5.78                    | <=13  | Pass    |
|                                    | 1745            | 75            | 0      | 5.94                    | <=13  | Pass    |
|                                    | 1772.5          | 75            | 0      | 5.86                    | <=13  | Pass    |
| 16QAM                              | 1717.5          | 75            | 0      | 6.51                    | <=13  | Pass    |
|                                    | 1745            | 75            | 0      | 6.67                    | <=13  | Pass    |
|                                    | 1772.5          | 75            | 0      | 6.57                    | <=13  | Pass    |

#### 4.1.6 B66\_20MHz

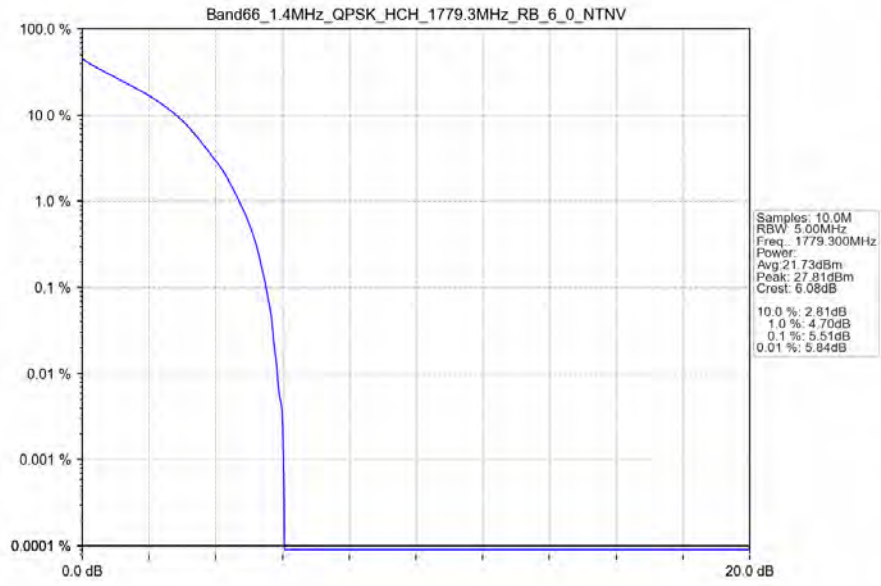
| Band: 66 / Bandwidth: 20MHz / NTNV |                 |               |        |                         |       |         |
|------------------------------------|-----------------|---------------|--------|-------------------------|-------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation |        | Peak-Average Ratio (dB) |       | Verdict |
|                                    |                 | Size          | Offset | Result                  | Limit |         |
| QPSK                               | 1720            | 100           | 0      | 5.59                    | <=13  | Pass    |
|                                    | 1745            | 100           | 0      | 5.72                    | <=13  | Pass    |
|                                    | 1770            | 100           | 0      | 5.66                    | <=13  | Pass    |
| 16QAM                              | 1720            | 100           | 0      | 6.46                    | <=13  | Pass    |
|                                    | 1745            | 100           | 0      | 6.59                    | <=13  | Pass    |
|                                    | 1770            | 100           | 0      | 6.50                    | <=13  | Pass    |

4.2 Test Graph

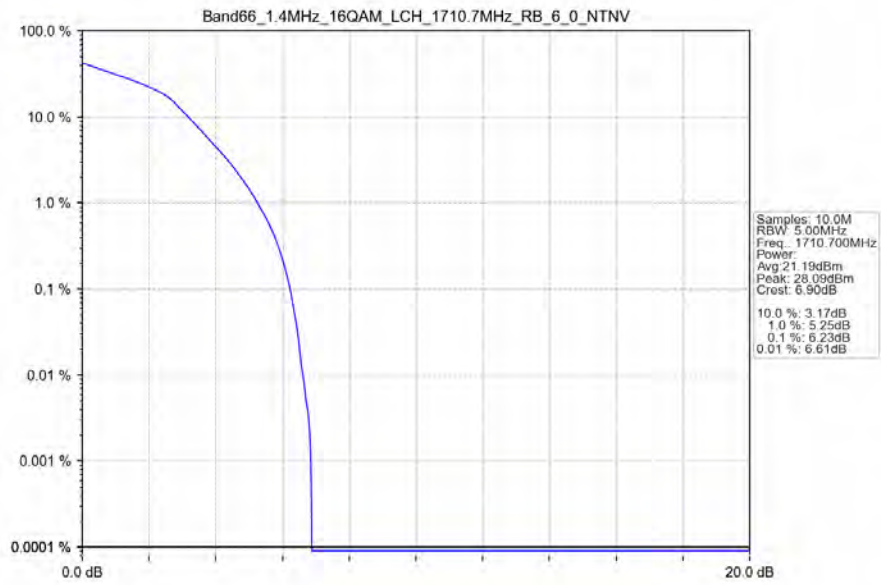
4.2.1 B66\_1.4MHz



Band66 1.4MHz QPSK HCH 1779.3MHz RB 6 0 NTNV

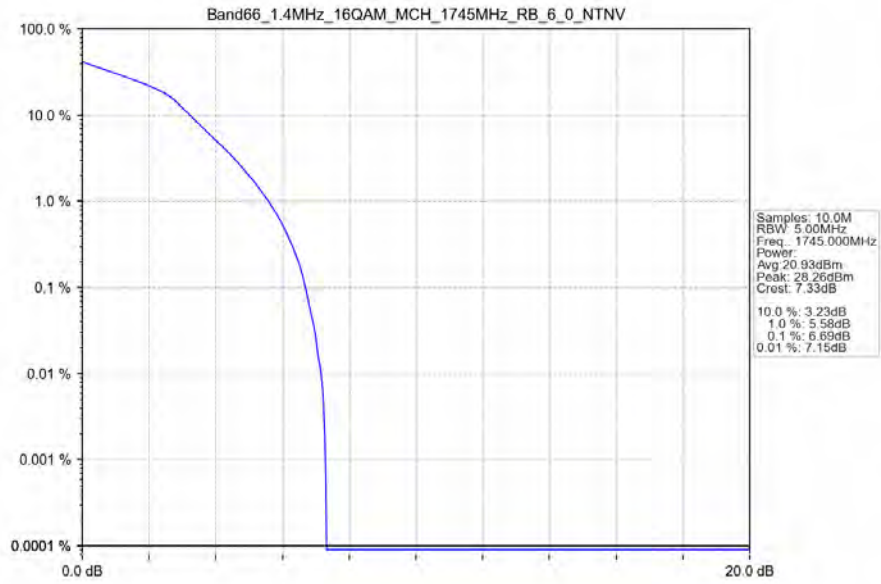


Band66 1.4MHz 16QAM LCH 1710.7MHz RB 6 0 NTNV

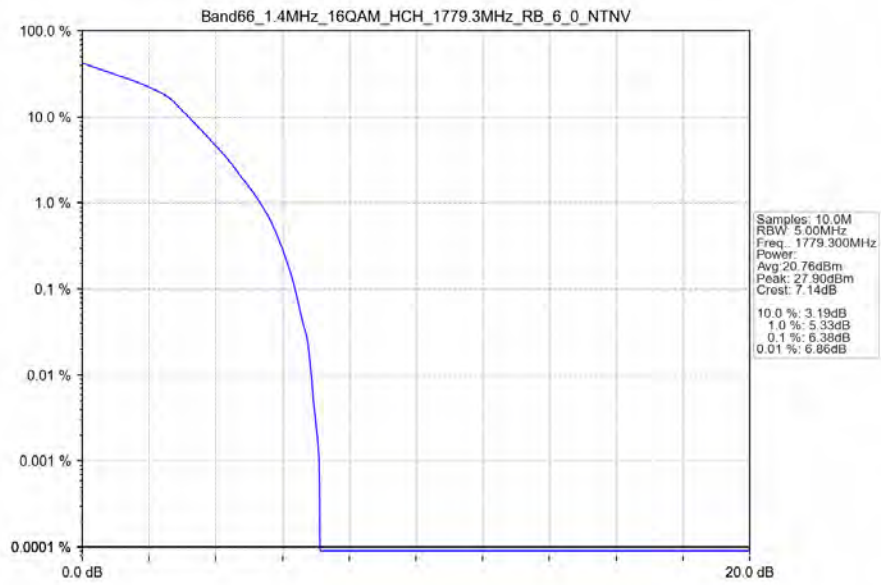




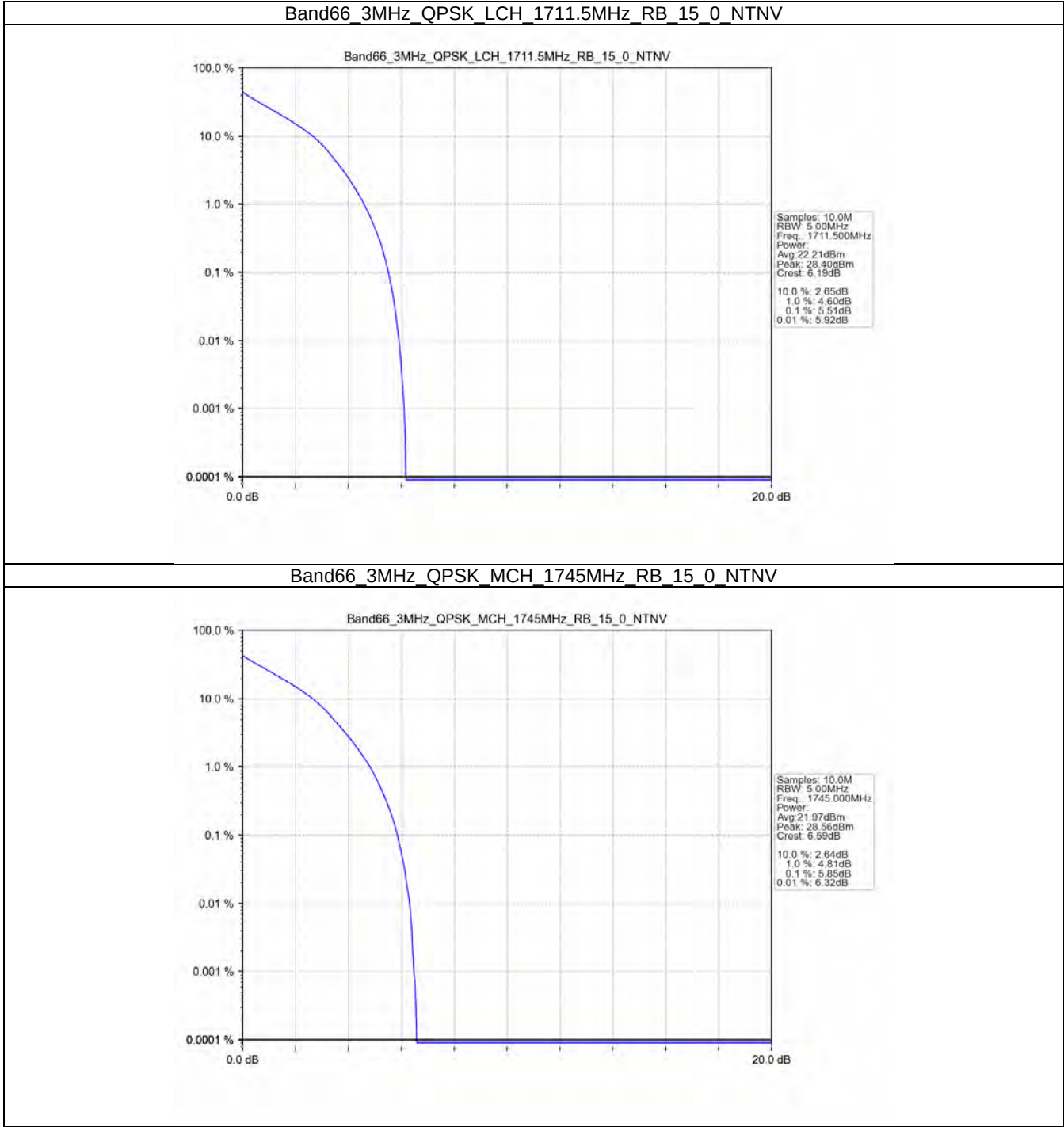
Band66 1.4MHz 16QAM MCH 1745MHz RB 6 0 NTV



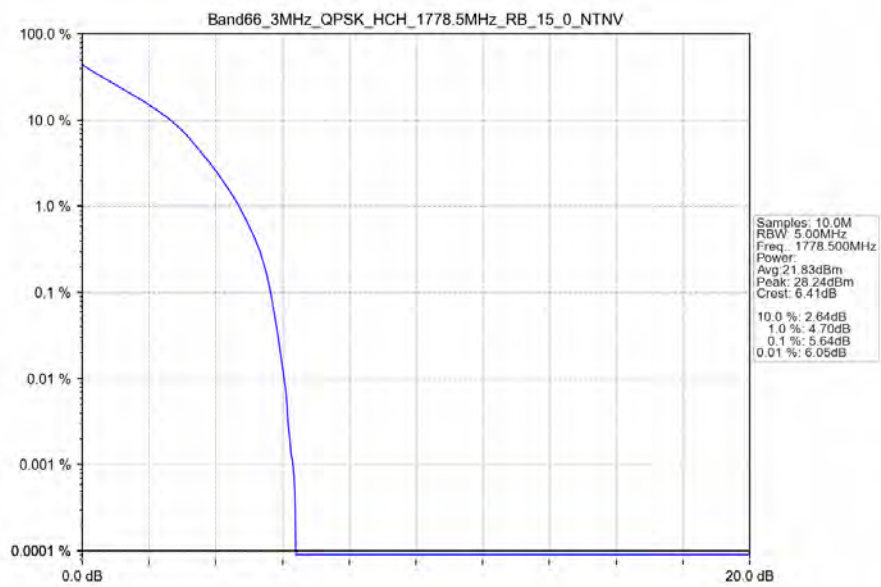
Band66 1.4MHz 16QAM HCH 1779.3MHz RB 6 0 NTV



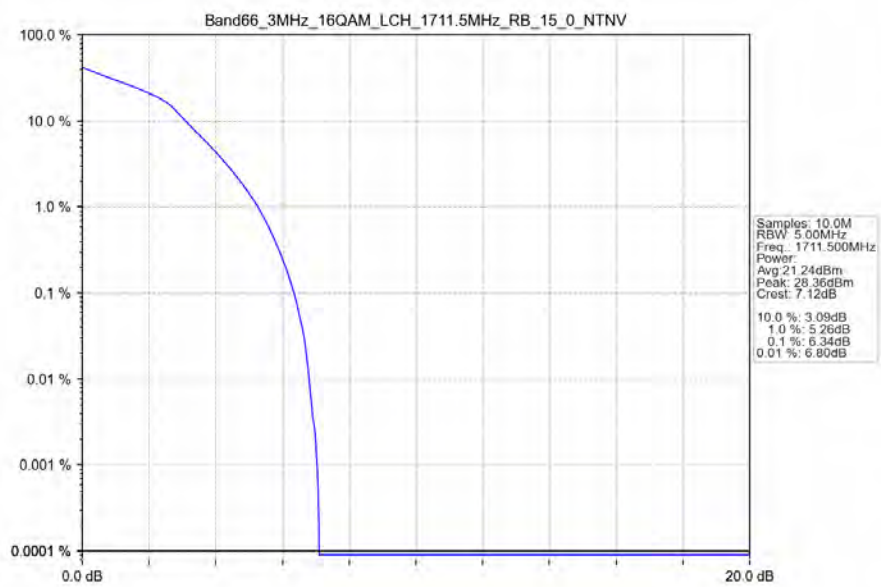
4.2.2 B66\_3MHz



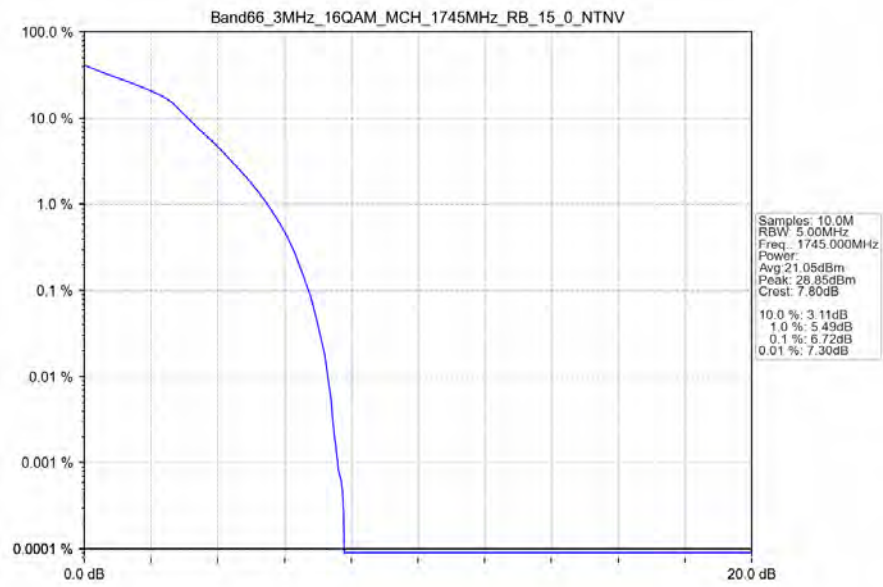
# Band66\_3MHz\_QPSK\_HCH\_1778.5MHz\_RB\_15\_0\_NTNV



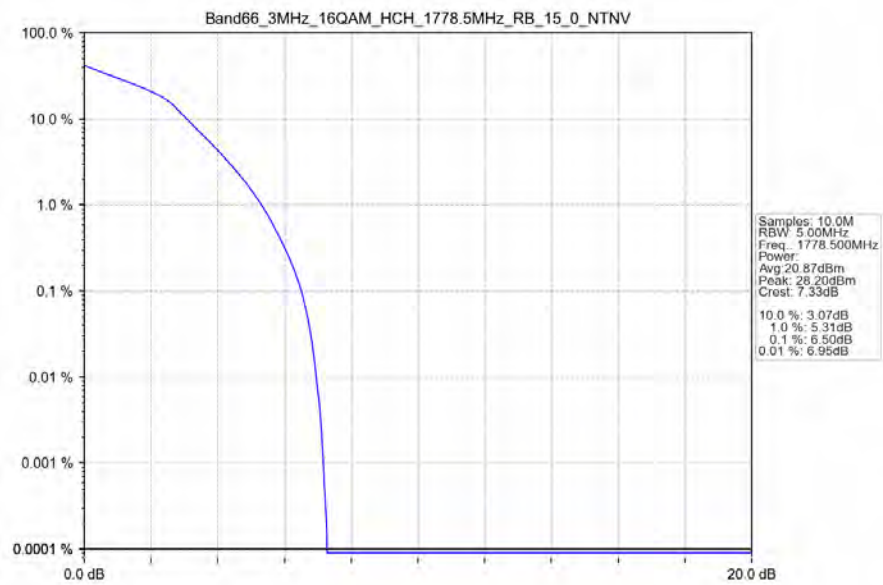
# Band66\_3MHz\_16QAM\_LCH\_1711.5MHz\_RB\_15\_0\_NTNV



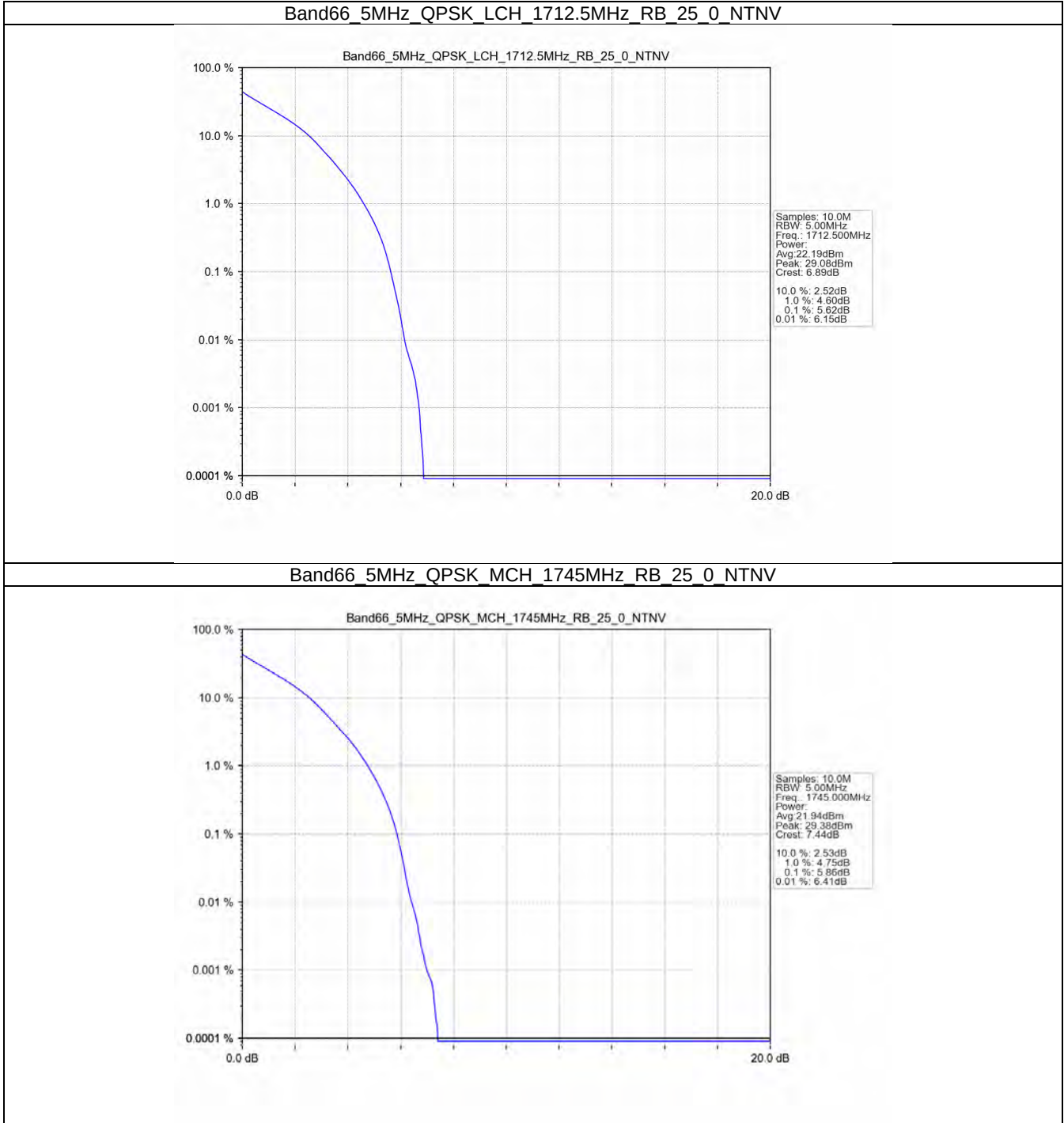
Band66\_3MHz\_16QAM\_MCH\_1745MHz\_RB\_15\_0\_NTNV



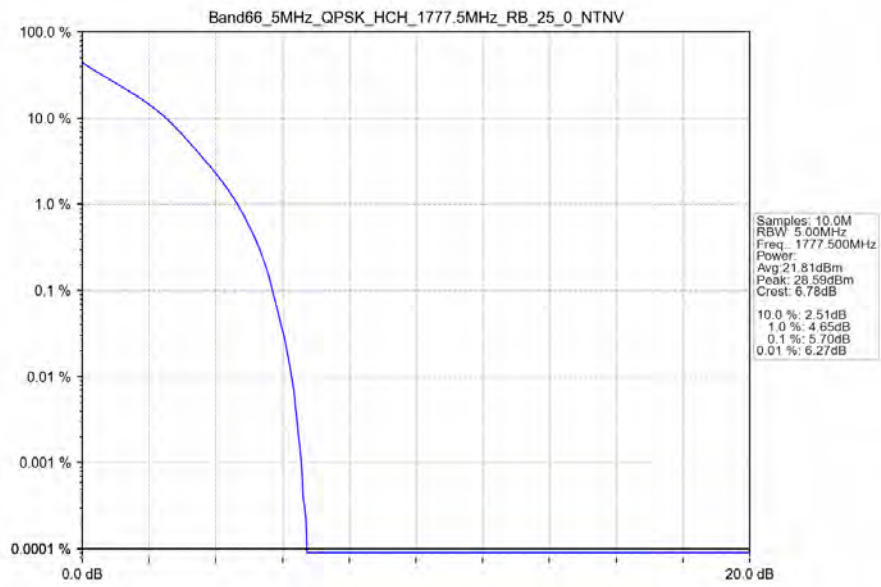
Band66\_3MHz\_16QAM\_HCH\_1778.5MHz\_RB\_15\_0\_NTNV



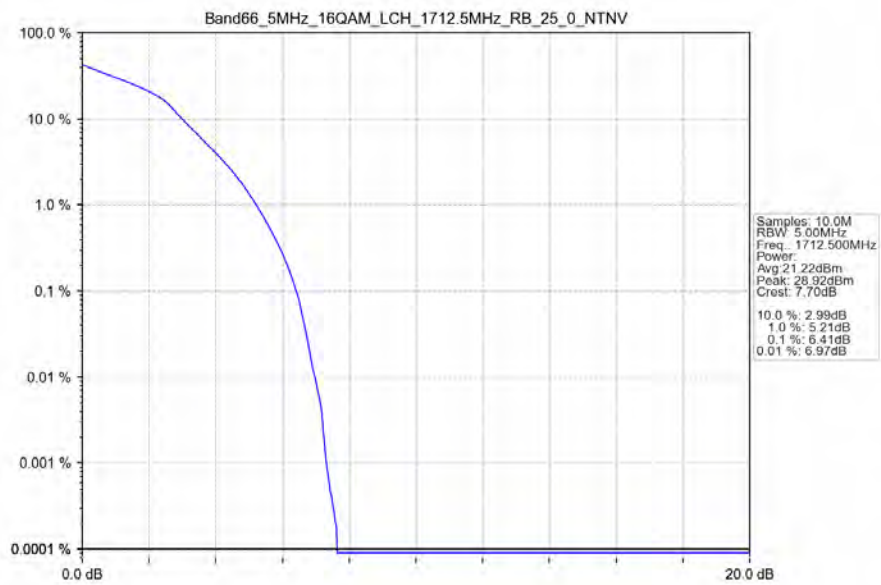
4.2.3 B66\_5MHz



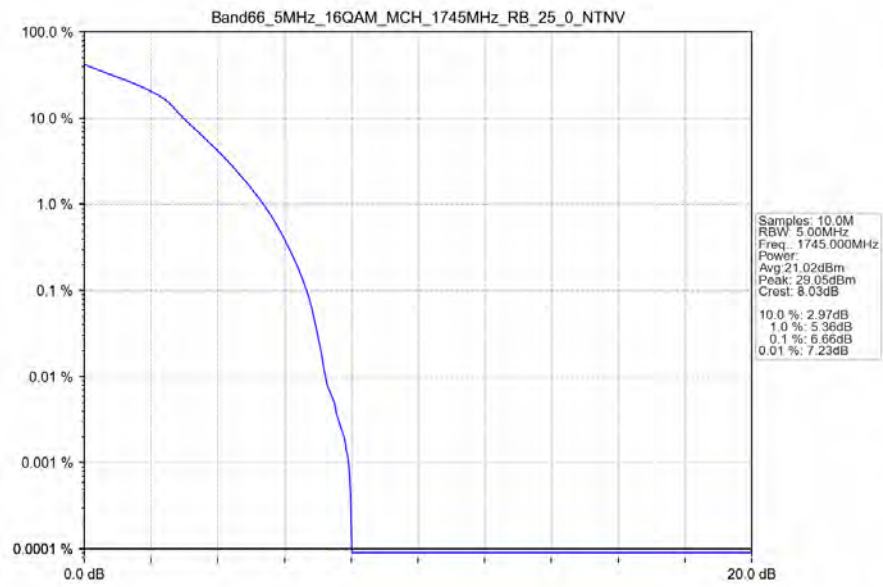
Band66 5MHz QPSK HCH 1777.5MHz RB 25 0 NTNV



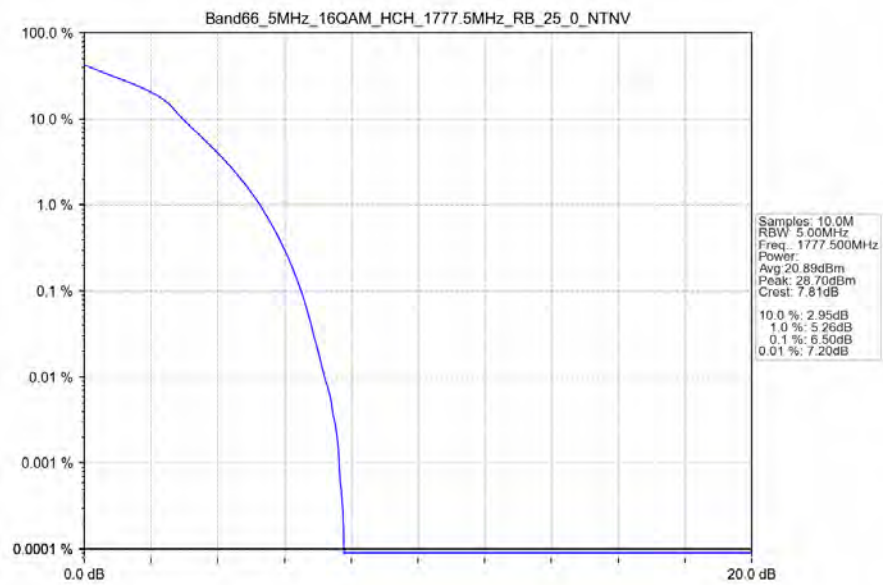
Band66 5MHz 16QAM LCH 1712.5MHz RB 25 0 NTNV



Band66\_5MHz\_16QAM\_MCH\_1745MHz\_RB\_25\_0\_NTNV

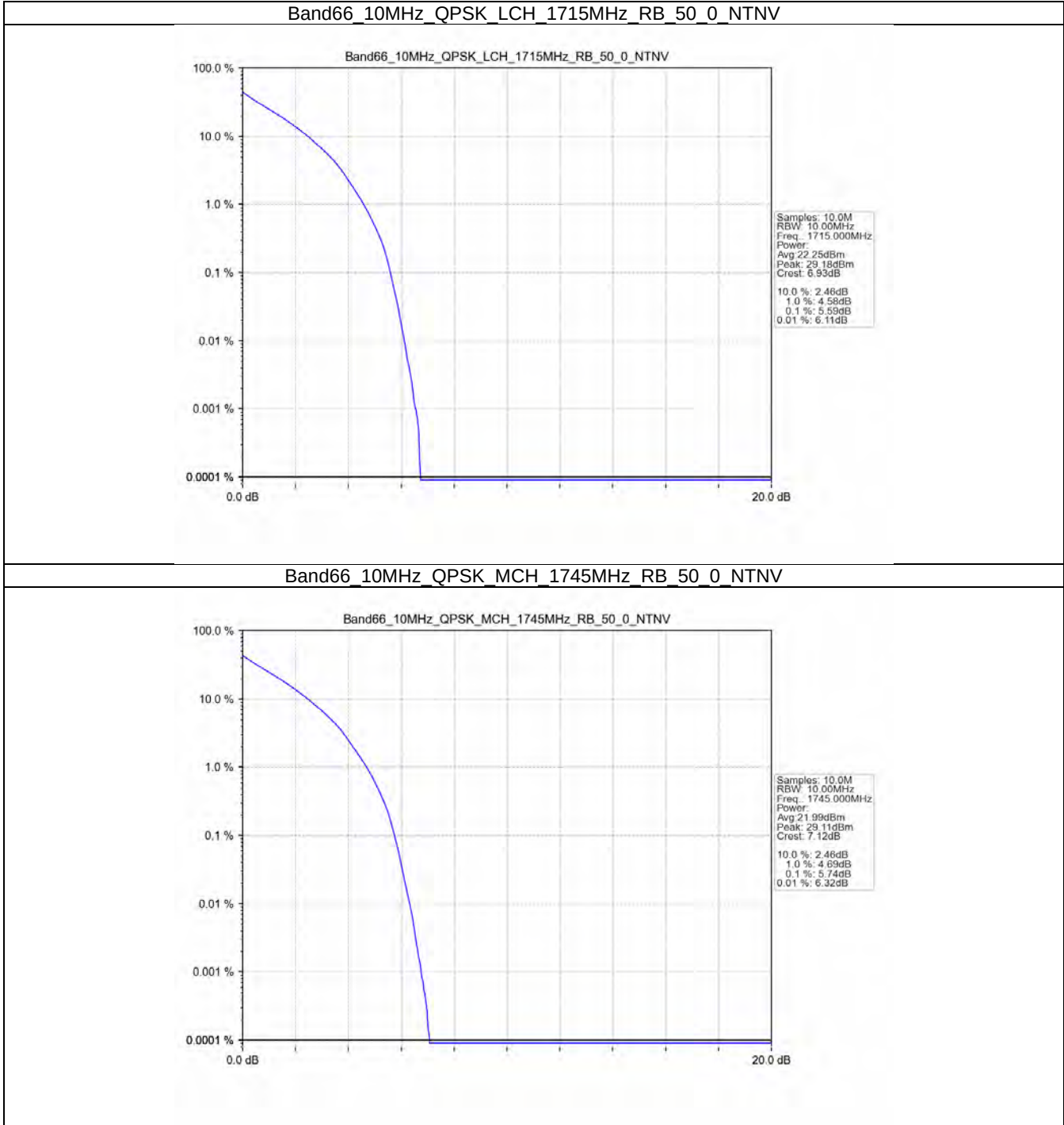


Band66\_5MHz\_16QAM\_HCH\_1777.5MHz\_RB\_25\_0\_NTNV

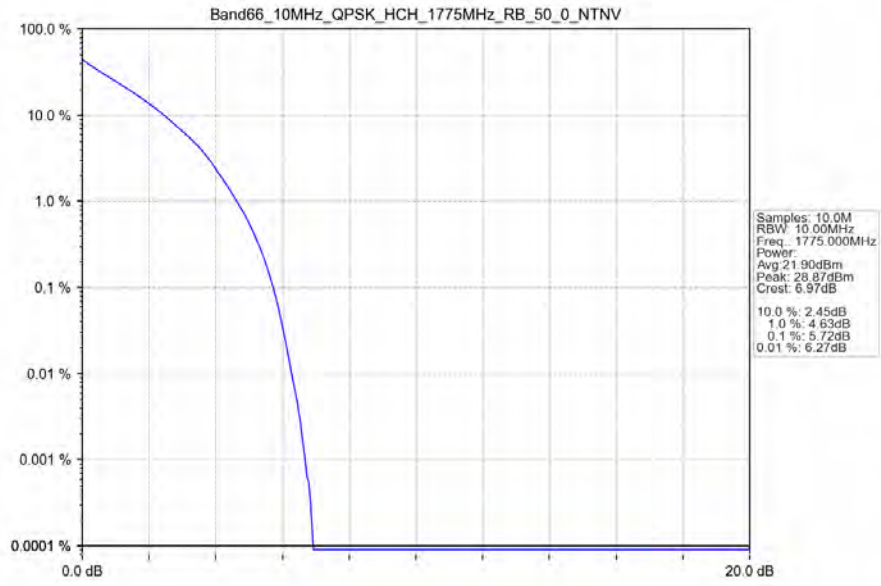




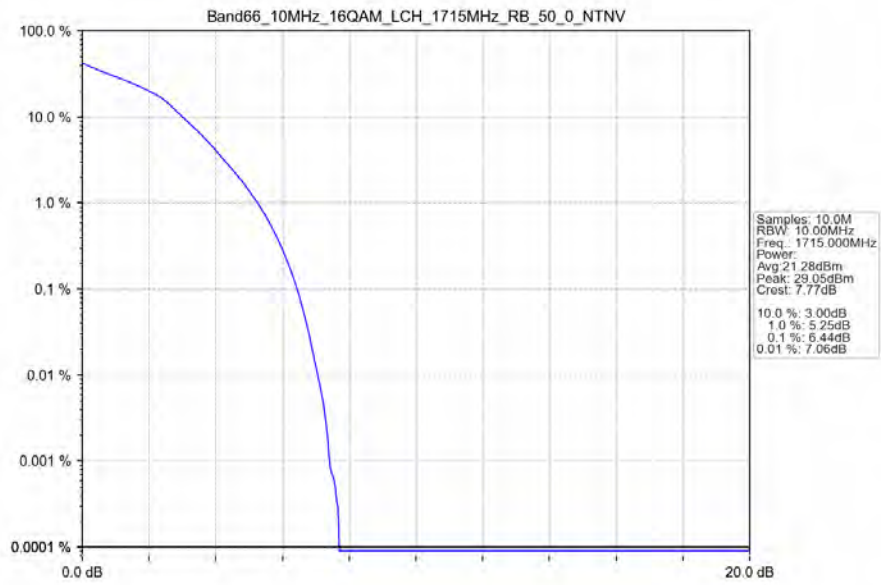
4.2.4 B66\_10MHz



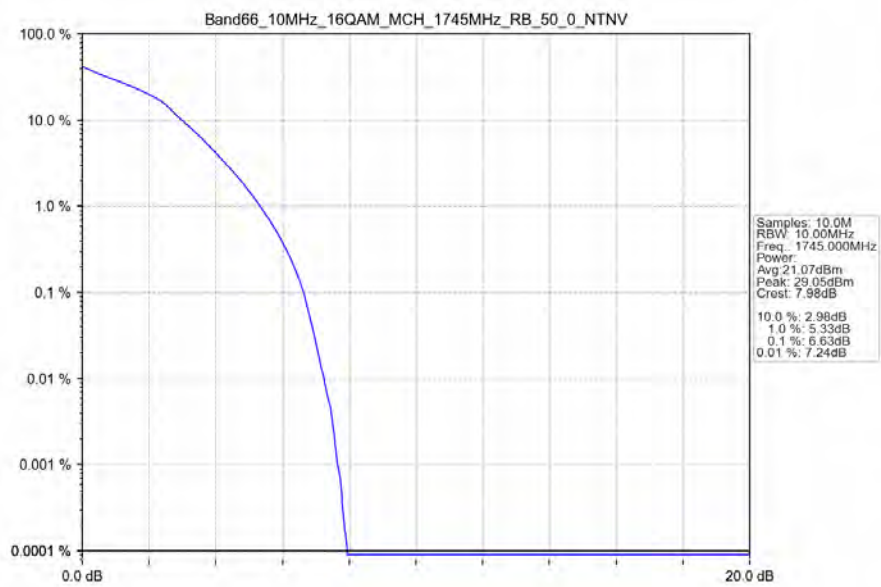
# Band66\_10MHz\_QPSK\_HCH\_1775MHz\_RB\_50\_0\_NTNV



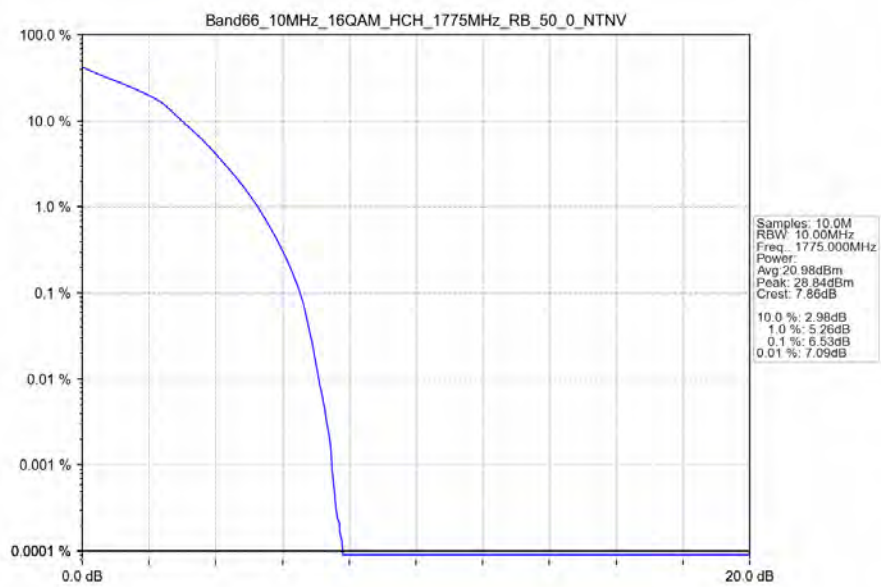
# Band66\_10MHz\_16QAM\_LCH\_1715MHz\_RB\_50\_0\_NTNV



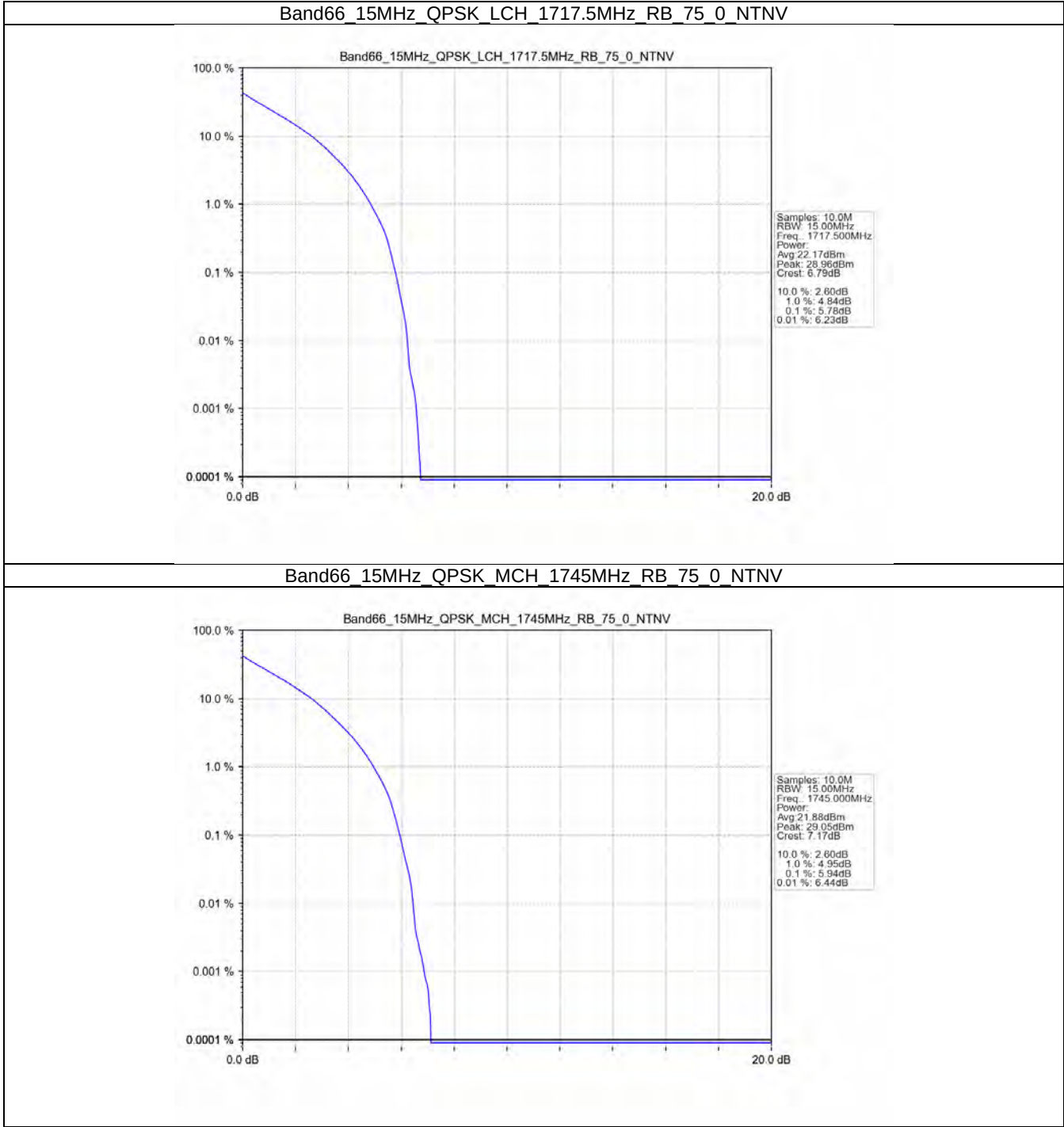
# Band66 10MHz 16QAM MCH 1745MHz RB 50 0 NTNV



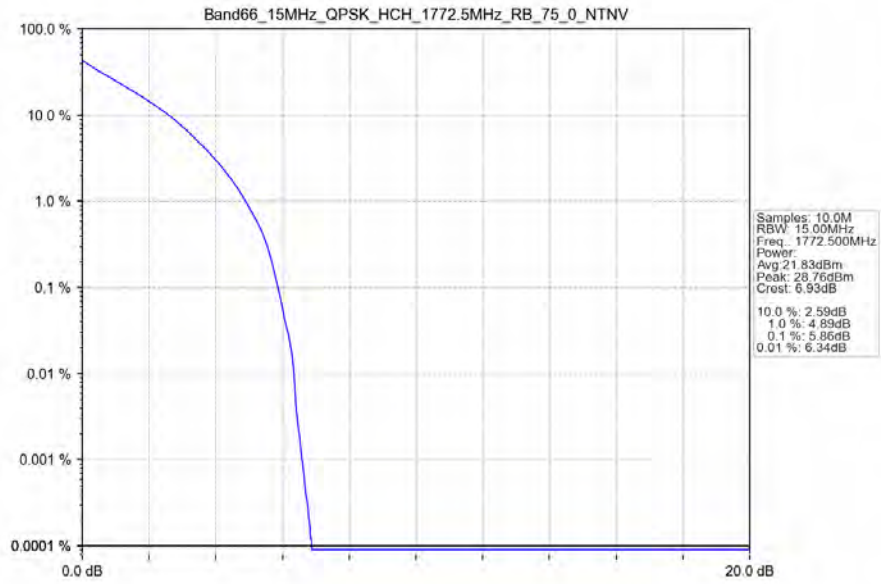
# Band66 10MHz 16QAM HCH 1775MHz RB 50 0 NTNV



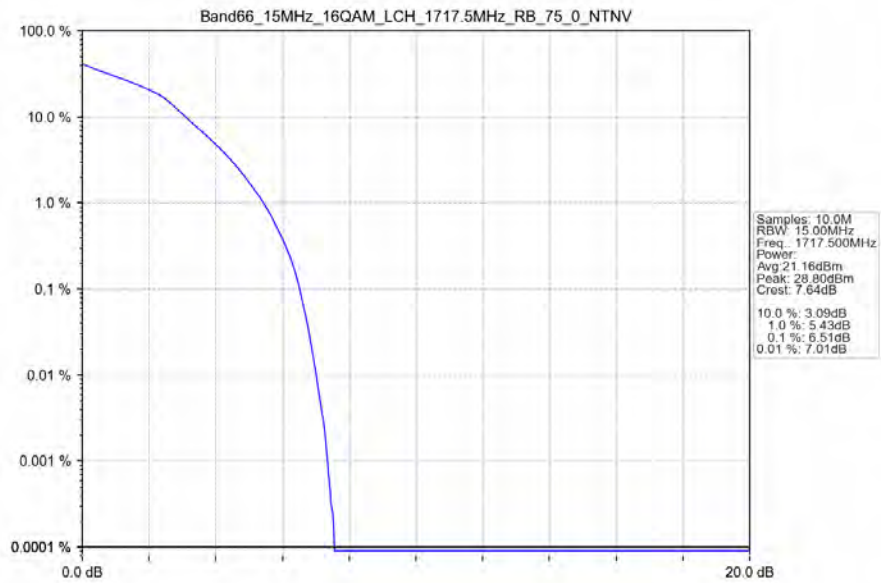
4.2.5 B66\_15MHz



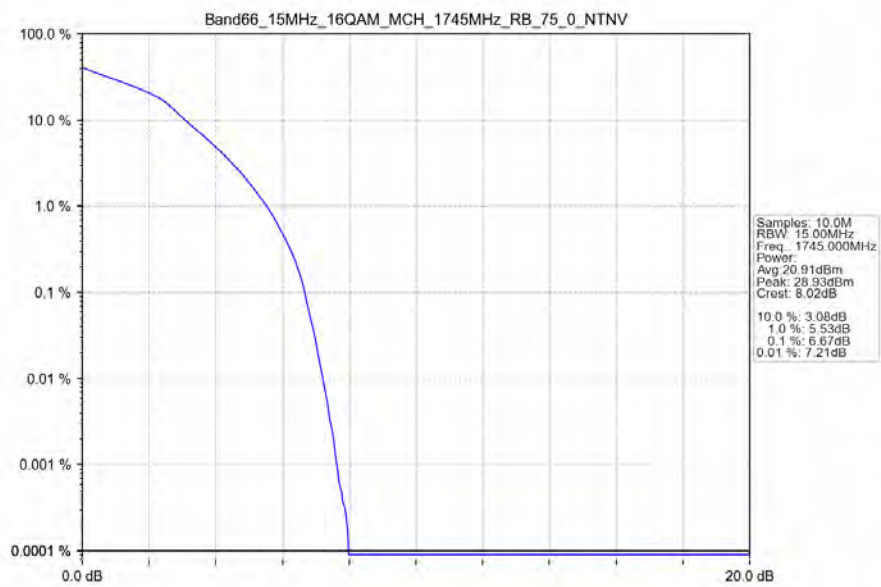
# Band66\_15MHz\_QPSK\_HCH\_1772.5MHz\_RB\_75\_0\_NTNV



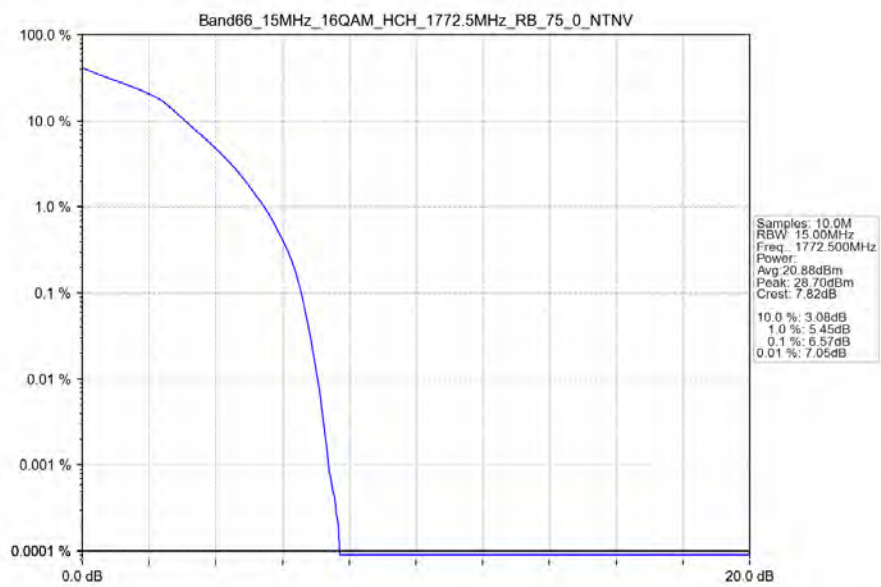
# Band66\_15MHz\_16QAM\_LCH\_1717.5MHz\_RB\_75\_0\_NTNV



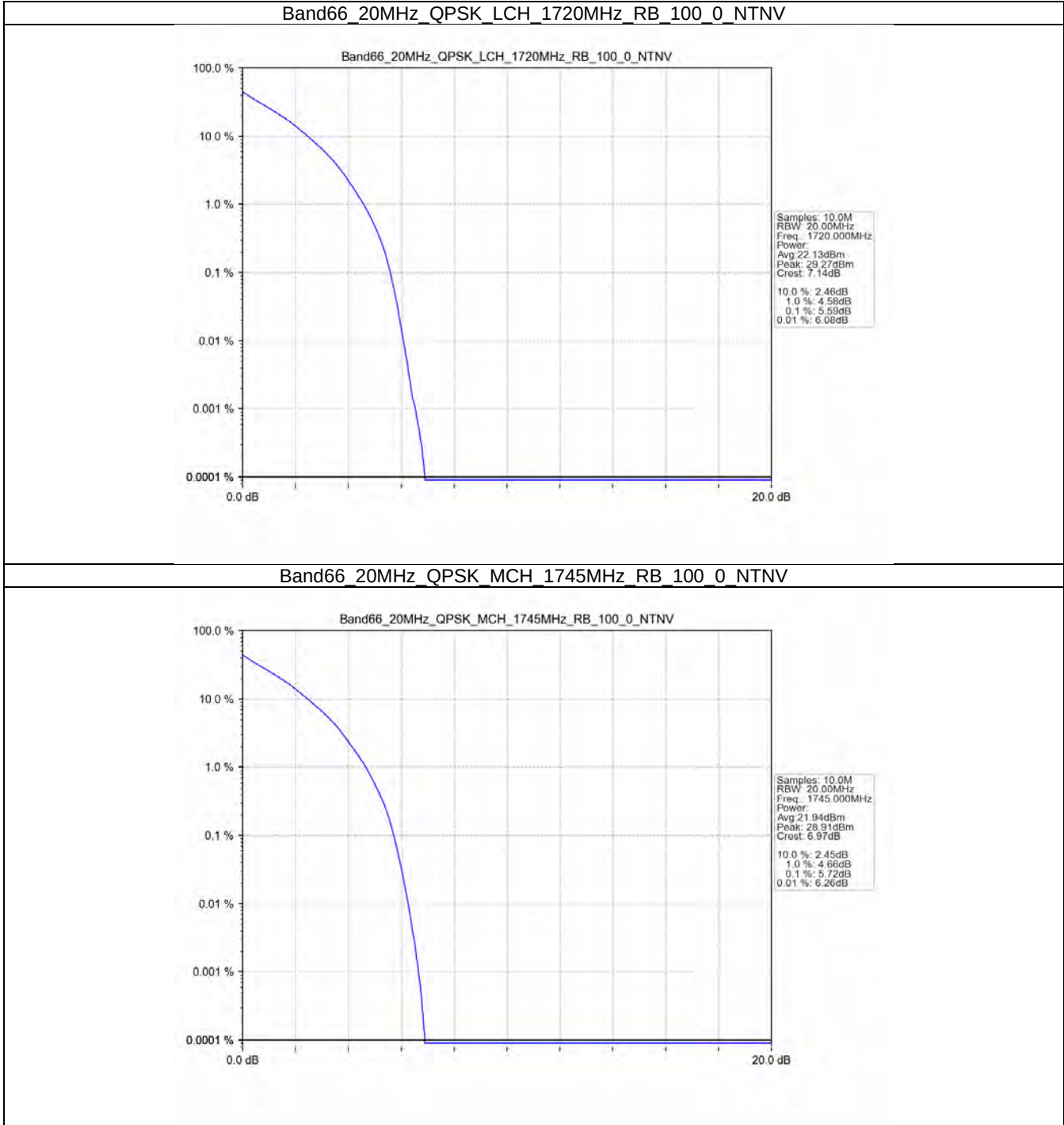
Band66\_15MHz\_16QAM\_MCH\_1745MHz\_RB\_75\_0\_NTNV



Band66\_15MHz\_16QAM\_HCH\_1772.5MHz\_RB\_75\_0\_NTNV

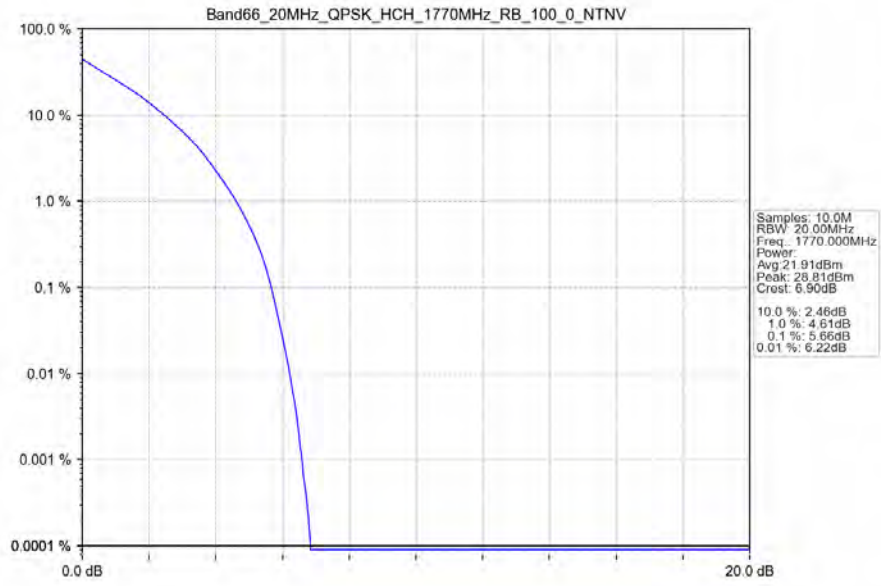


4.2.6 B66\_20MHz

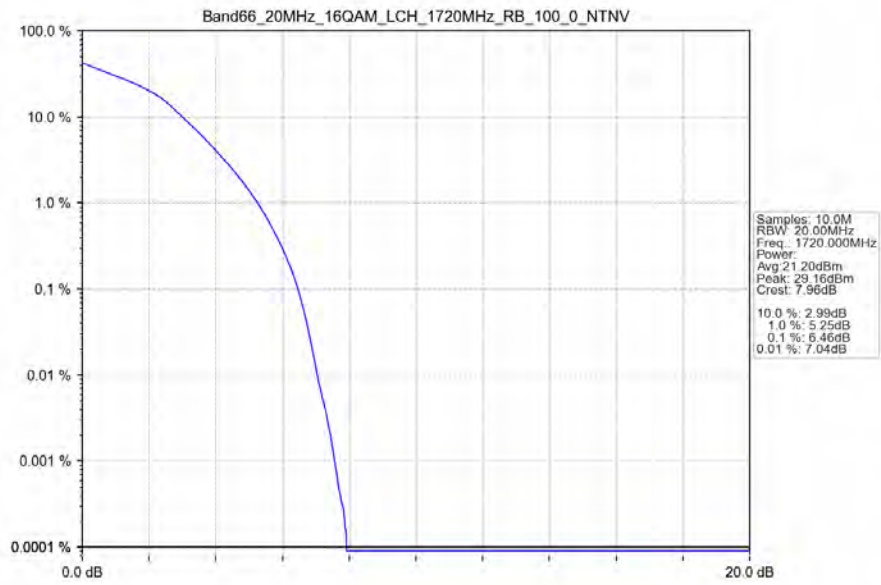




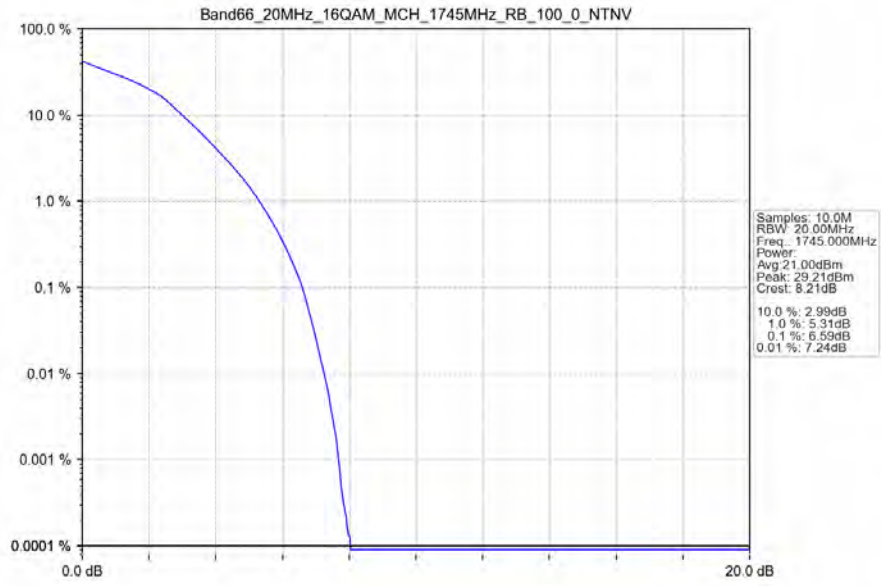
Band66 20MHz QPSK HCH 1770MHz RB 100 0 NTNV



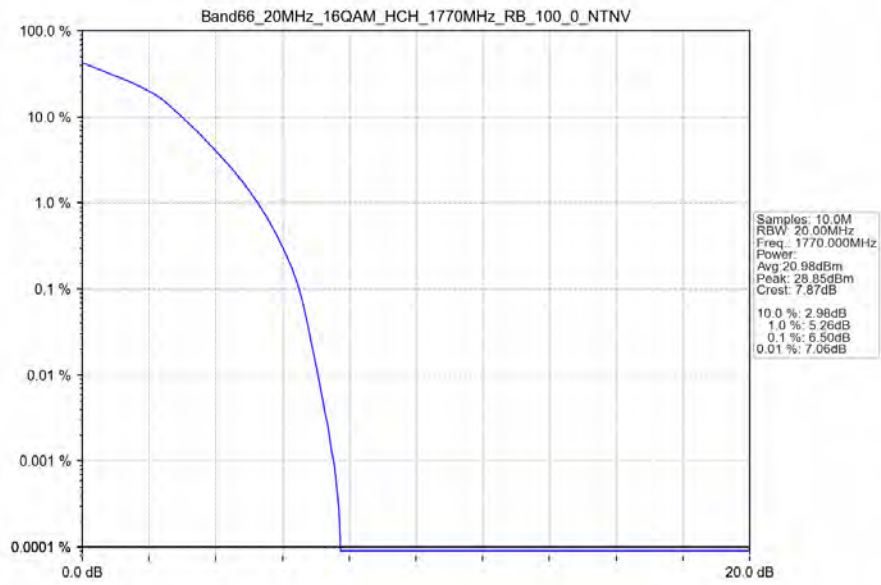
Band66 20MHz 16QAM LCH 1720MHz RB 100 0 NTNV



# Band66\_20MHz\_16QAM\_MCH\_1745MHz\_RB\_100\_0\_NTNV



# Band66\_20MHz\_16QAM\_HCH\_1770MHz\_RB\_100\_0\_NTNV



## 5. Spurious Emission

### 5.1 Test Result

#### 5.1.1 B66\_1.4MHz

| Band: 66 / Bandwidth: 1.4MHz / NTNV |                 |               |        |                     |       |         |
|-------------------------------------|-----------------|---------------|--------|---------------------|-------|---------|
| Modulation                          | Frequency (MHz) | RB Allocation |        | Spurious Emission   |       | Verdict |
|                                     |                 | Size          | Offset | Result              | Limit |         |
| QPSK                                | 1710.7          | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                     |                 | 6             | 0      | Refer To Test Graph |       | Pass    |
|                                     | 1745            | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                     | 1779.3          | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                     |                 |               | 5      | Refer To Test Graph |       | Pass    |
|                                     |                 | 6             | 0      | Refer To Test Graph |       | Pass    |
| 16QAM                               | 1710.7          | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                     |                 | 6             | 0      | Refer To Test Graph |       | Pass    |
|                                     | 1745            | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                     | 1779.3          | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                     |                 |               | 5      | Refer To Test Graph |       | Pass    |
|                                     |                 | 6             | 0      | Refer To Test Graph |       | Pass    |

#### 5.1.2 B66\_3MHz

| Band: 66 / Bandwidth: 3MHz / NTVN |                 |               |        |                     |       |         |
|-----------------------------------|-----------------|---------------|--------|---------------------|-------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Spurious Emission   |       | Verdict |
|                                   |                 | Size          | Offset | Result              | Limit |         |
| QPSK                              | 1711.5          | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                   |                 | 15            | 0      | Refer To Test Graph |       | Pass    |
|                                   | 1745            | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                   | 1778.5          | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                   |                 |               | 14     | Refer To Test Graph |       | Pass    |
|                                   |                 | 15            | 0      | Refer To Test Graph |       | Pass    |
| 16QAM                             | 1711.5          | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                   |                 | 15            | 0      | Refer To Test Graph |       | Pass    |
|                                   | 1745            | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                   | 1778.5          | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                   |                 |               | 14     | Refer To Test Graph |       | Pass    |
|                                   |                 | 15            | 0      | Refer To Test Graph |       | Pass    |

#### 5.1.3 B66\_5MHz

| Band: 66 / Bandwidth: 5MHz / NTVN |                 |               |        |                     |                     |         |
|-----------------------------------|-----------------|---------------|--------|---------------------|---------------------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Spurious Emission   |                     | Verdict |
|                                   |                 | Size          | Offset | Result              | Limit               |         |
| QPSK                              | 1712.5          | 1             | 0      | Refer To Test Graph |                     | Pass    |
|                                   |                 | 25            | 0      | Refer To Test Graph |                     | Pass    |
|                                   | 1745            | 1             | 0      | Refer To Test Graph |                     | Pass    |
|                                   |                 | 1777.5        | 1      | 0                   | Refer To Test Graph |         |
|                                   | 24              |               |        | Refer To Test Graph |                     | Pass    |
|                                   |                 |               |        |                     |                     |         |

|       |        |    |   |                     |      |
|-------|--------|----|---|---------------------|------|
|       |        | 25 | 0 | Refer To Test Graph | Pass |
| 16QAM | 1712.5 | 1  | 0 | Refer To Test Graph | Pass |
|       |        | 25 | 0 | Refer To Test Graph | Pass |
|       |        | 1  | 0 | Refer To Test Graph | Pass |
|       | 1745   | 1  | 0 | Refer To Test Graph | Pass |
|       |        | 1  | 0 | Refer To Test Graph | Pass |
|       |        | 24 | 0 | Refer To Test Graph | Pass |
|       | 1777.5 | 25 | 0 | Refer To Test Graph | Pass |

#### 5.1.4 B66\_10MHz

| Band: 66 / Bandwidth: 10MHz / NTVN |                 |               |        |                     |       |         |
|------------------------------------|-----------------|---------------|--------|---------------------|-------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation |        | Spurious Emission   |       | Verdict |
|                                    |                 | Size          | Offset | Result              | Limit |         |
| QPSK                               | 1715            | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                    |                 | 50            | 0      | Refer To Test Graph |       | Pass    |
|                                    | 1745            | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                    | 1775            | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                    |                 |               | 49     | Refer To Test Graph |       | Pass    |
|                                    |                 | 50            | 0      | Refer To Test Graph |       | Pass    |
| 16QAM                              | 1715            | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                    |                 | 50            | 0      | Refer To Test Graph |       | Pass    |
|                                    | 1745            | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                    | 1775            | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                    |                 |               | 49     | Refer To Test Graph |       | Pass    |
|                                    |                 | 50            | 0      | Refer To Test Graph |       | Pass    |

#### 5.1.5 B66\_15MHz

| Band: 66 / Bandwidth: 15MHz / NTV |                 |               |        |                     |       |         |
|-----------------------------------|-----------------|---------------|--------|---------------------|-------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Spurious Emission   |       | Verdict |
|                                   |                 | Size          | Offset | Result              | Limit |         |
| QPSK                              | 1717.5          | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                   |                 | 75            | 0      | Refer To Test Graph |       | Pass    |
|                                   | 1745            | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                   | 1772.5          | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                   |                 |               | 74     | Refer To Test Graph |       | Pass    |
|                                   |                 | 75            | 0      | Refer To Test Graph |       | Pass    |
| 16QAM                             | 1717.5          | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                   |                 | 75            | 0      | Refer To Test Graph |       | Pass    |
|                                   | 1745            | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                   | 1772.5          | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                   |                 |               | 74     | Refer To Test Graph |       | Pass    |
|                                   |                 | 75            | 0      | Refer To Test Graph |       | Pass    |

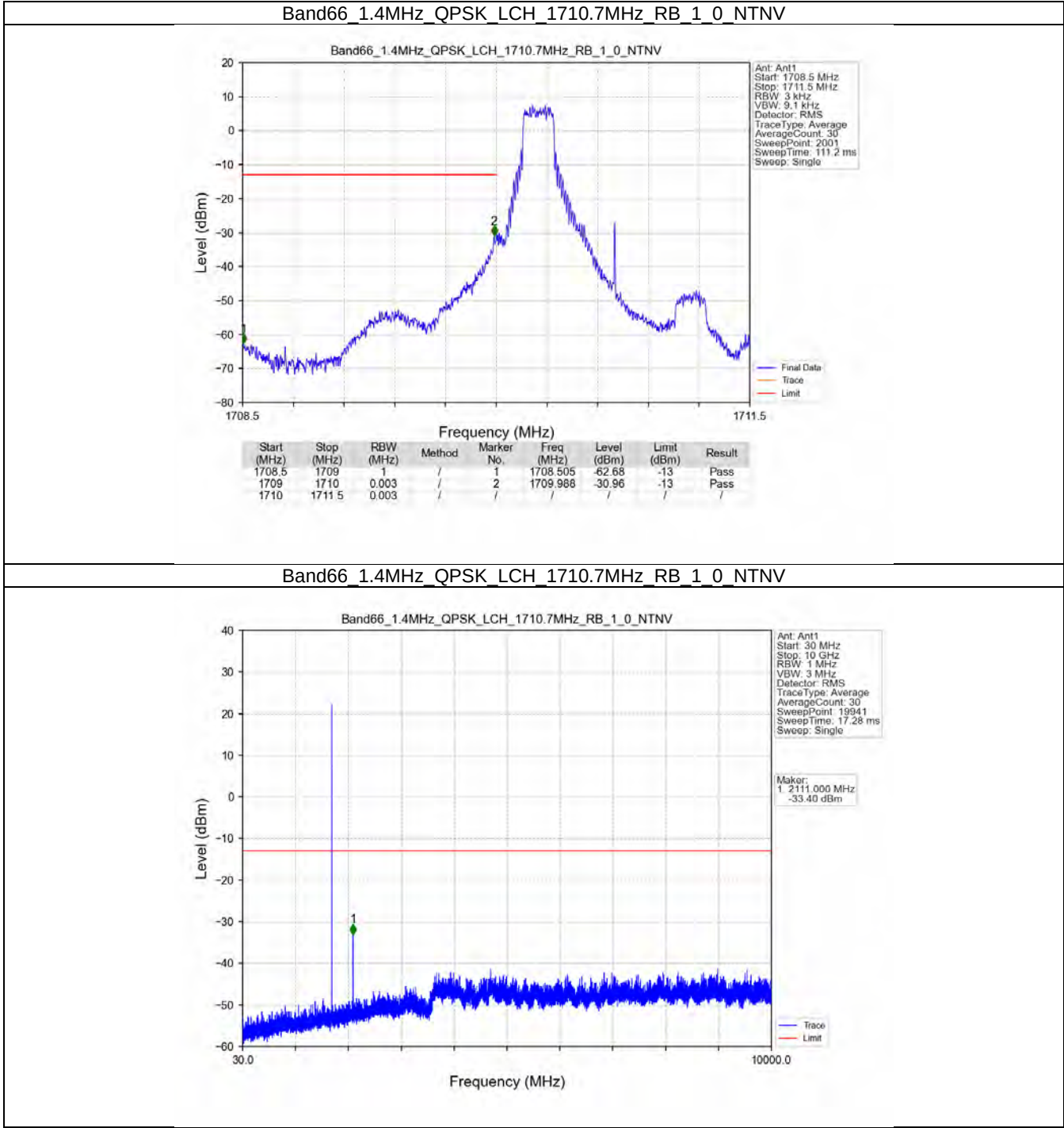
#### 5.1.6 B66\_20MHz

| Band: 66 / Bandwidth: 20MHz / NTNV |                 |               |        |                     |       |         |
|------------------------------------|-----------------|---------------|--------|---------------------|-------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation |        | Spurious Emission   |       | Verdict |
|                                    |                 | Size          | Offset | Result              | Limit |         |
| QPSK                               | 1720            | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                    |                 | 100           | 0      | Refer To Test Graph |       | Pass    |
|                                    | 1745            | 1             | 0      | Refer To Test Graph |       | Pass    |

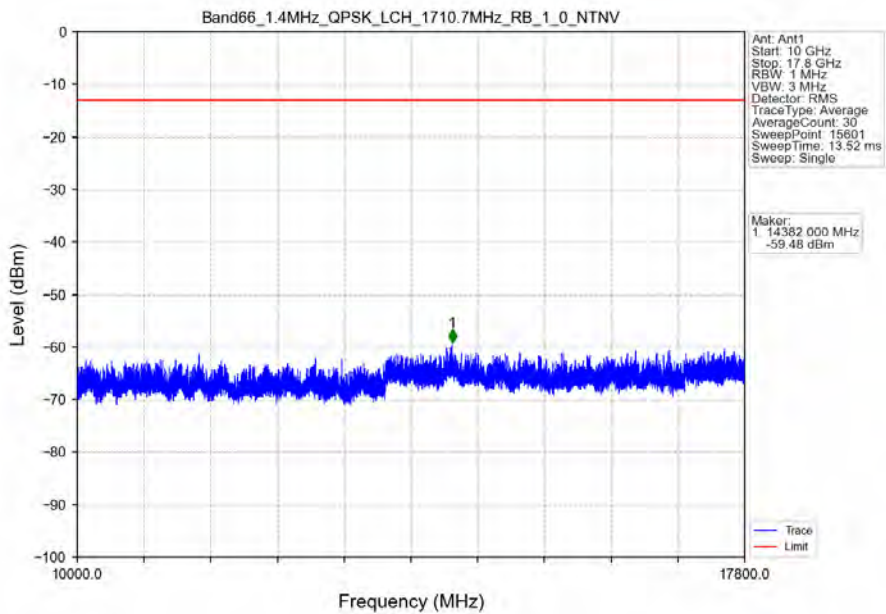
|       |      |     |    |                     |      |
|-------|------|-----|----|---------------------|------|
| 16QAM | 1770 | 1   | 0  | Refer To Test Graph | Pass |
|       |      |     | 99 | Refer To Test Graph | Pass |
|       |      | 100 | 0  | Refer To Test Graph | Pass |
|       | 1720 | 1   | 0  | Refer To Test Graph | Pass |
|       |      | 100 | 0  | Refer To Test Graph | Pass |
|       | 1745 | 1   | 0  | Refer To Test Graph | Pass |
|       | 1770 | 1   | 0  | Refer To Test Graph | Pass |
|       |      |     | 99 | Refer To Test Graph | Pass |
|       |      | 100 | 0  | Refer To Test Graph | Pass |

5.2 Test Graph

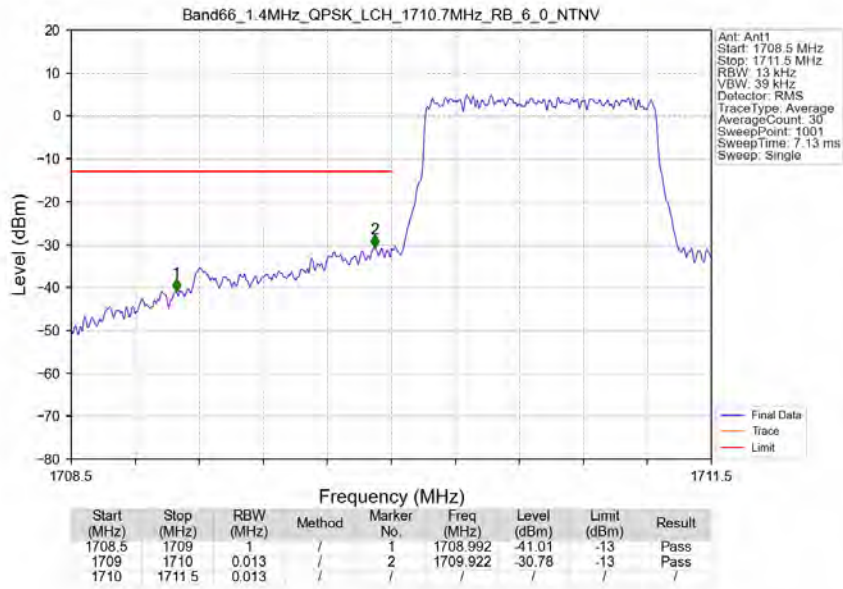
5.2.1 B66\_1.4MHz



Band66 1.4MHz QPSK LCH 1710.7MHz RB 1 0 NTV

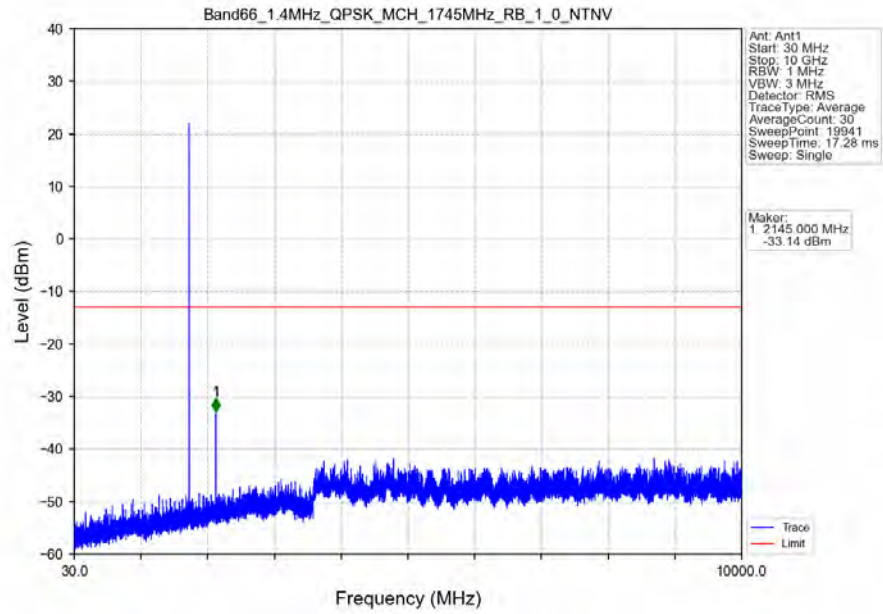


Band66 1.4MHz QPSK LCH 1710.7MHz RB 6 0 NTV

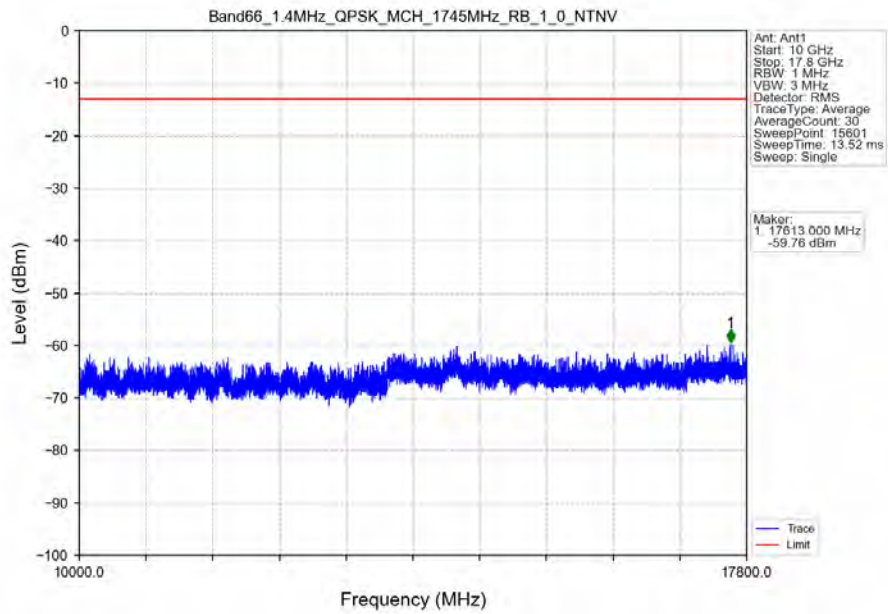




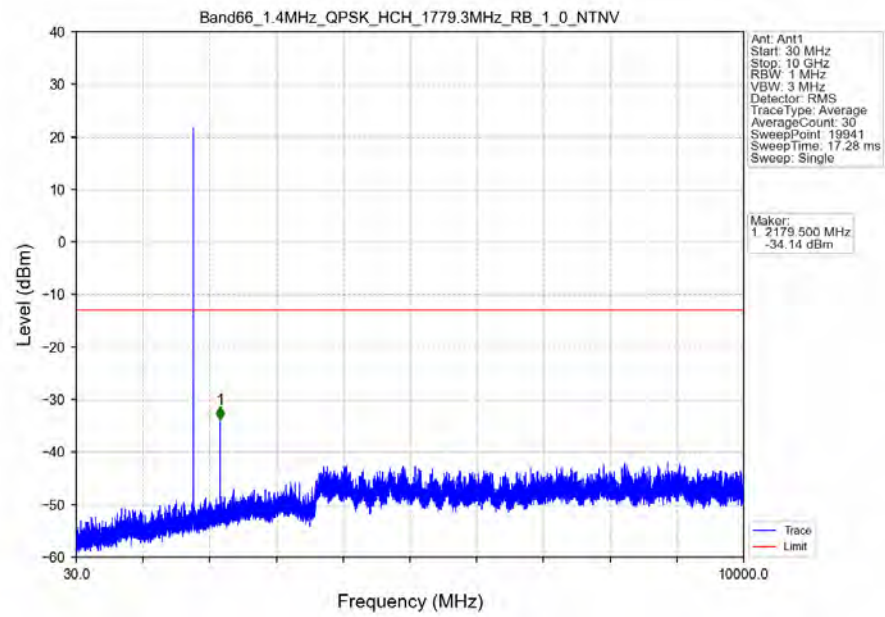
# Band66\_1.4MHz\_QPSK\_MCH\_1745MHz\_RB\_1\_0\_NTNV



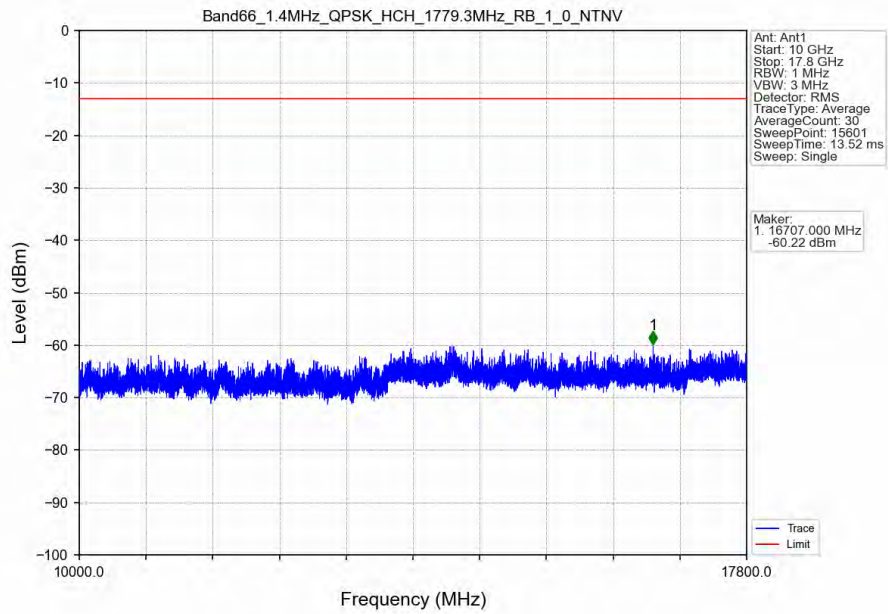
# Band66\_1.4MHz\_QPSK\_MCH\_1745MHz\_RB\_1\_0\_NTNV



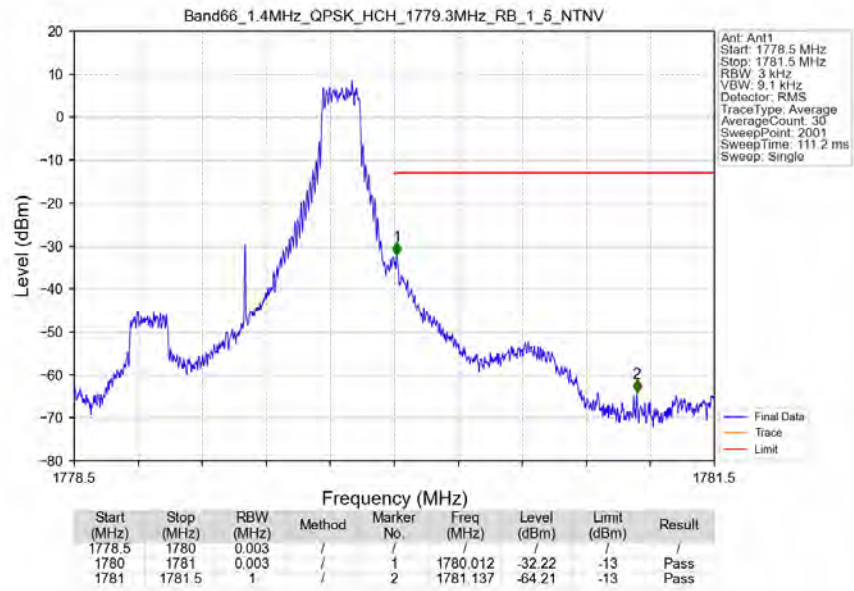
# Band66 1.4MHz QPSK HCH 1779.3MHz RB 1 0 NTNV



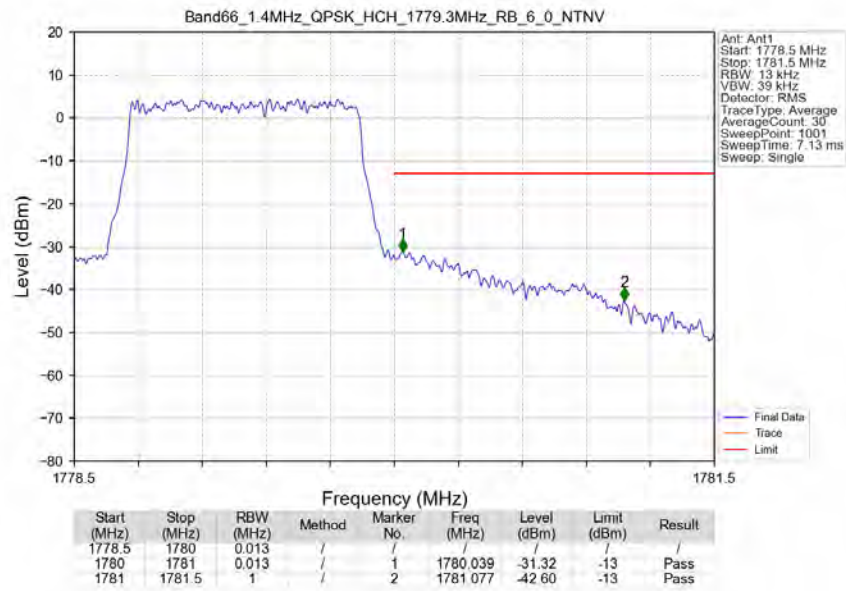
# Band66\_1.4MHz\_QPSK\_HCH\_1779.3MHz\_RB\_1\_0\_NTNV



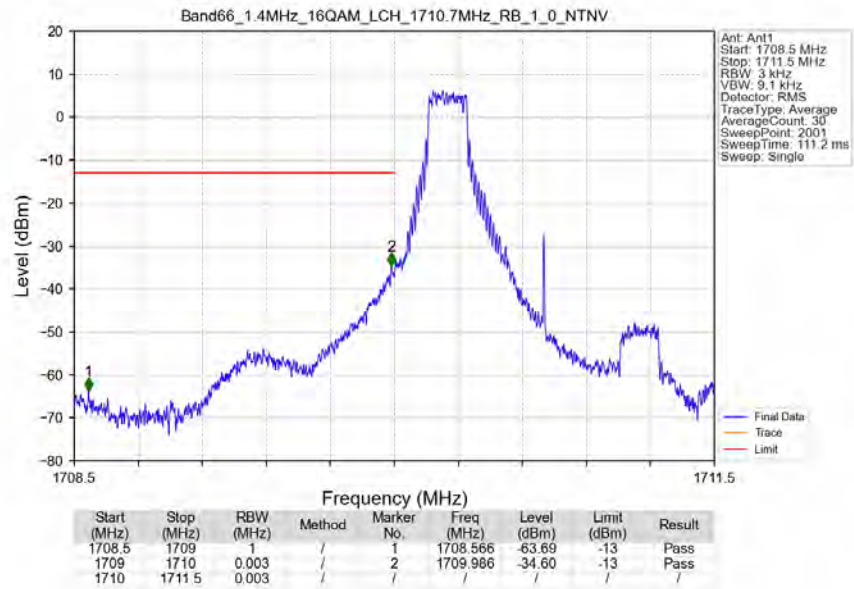
# Band66 1.4MHz QPSK HCH 1779.3MHz RB 1 5 NTN



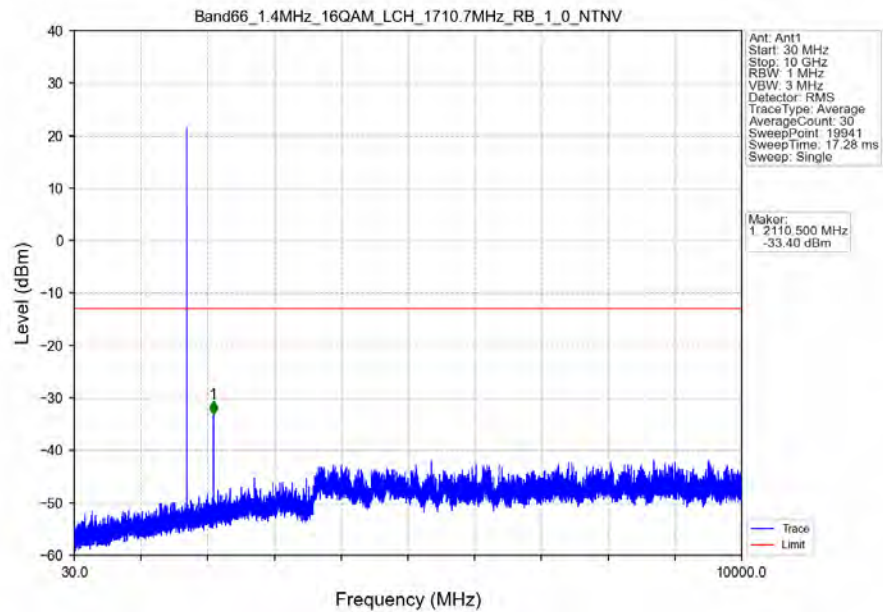
# Band66 1.4MHz QPSK HCH 1779.3MHz RB 6 0 NTN



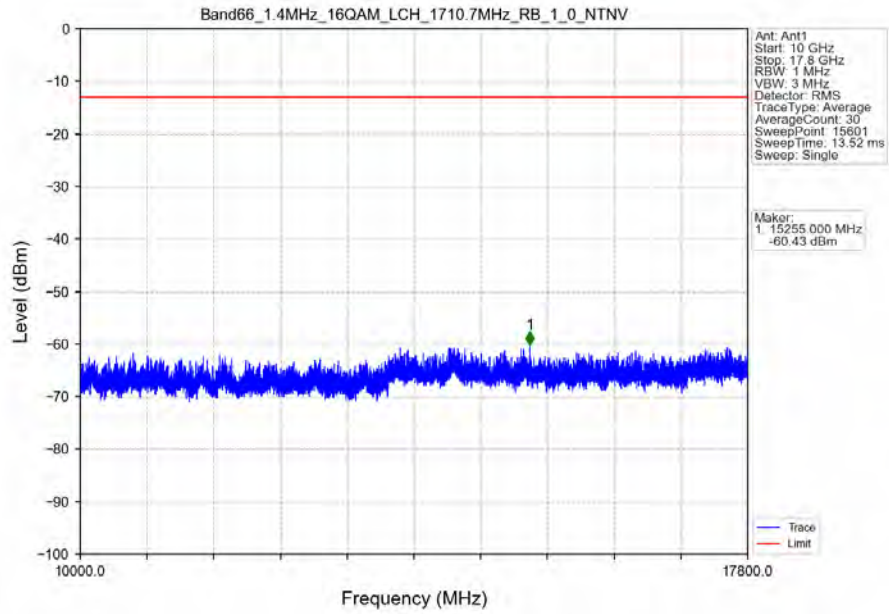
# Band66 1.4MHz 16QAM LCH 1710.7MHz RB 1 0 NTN



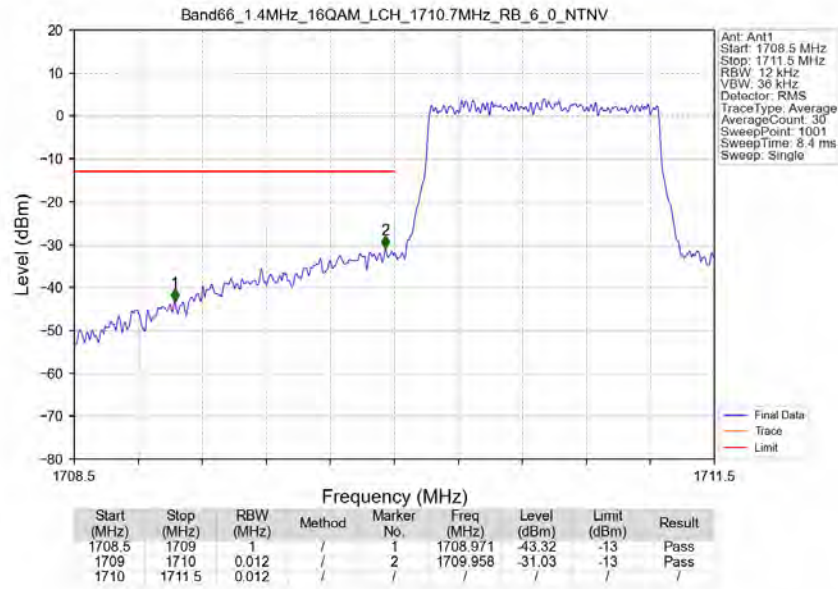
# Band66 1.4MHz 16QAM LCH 1710.7MHz RB 1 0 NTN



# Band66 1.4MHz 16QAM LCH 1710.7MHz RB 1 0 NTV

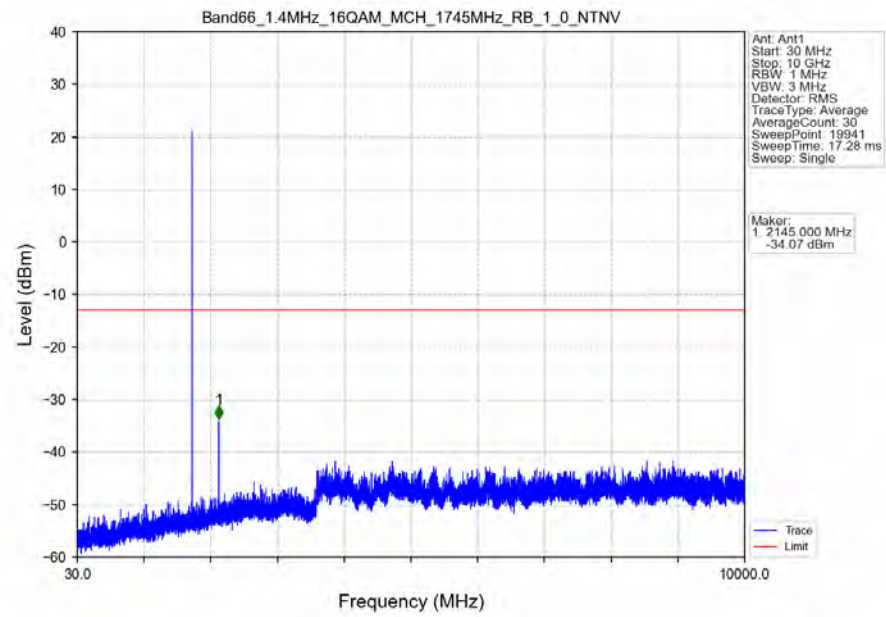


# Band66 1.4MHz 16QAM LCH 1710.7MHz RB 6 0 NTV

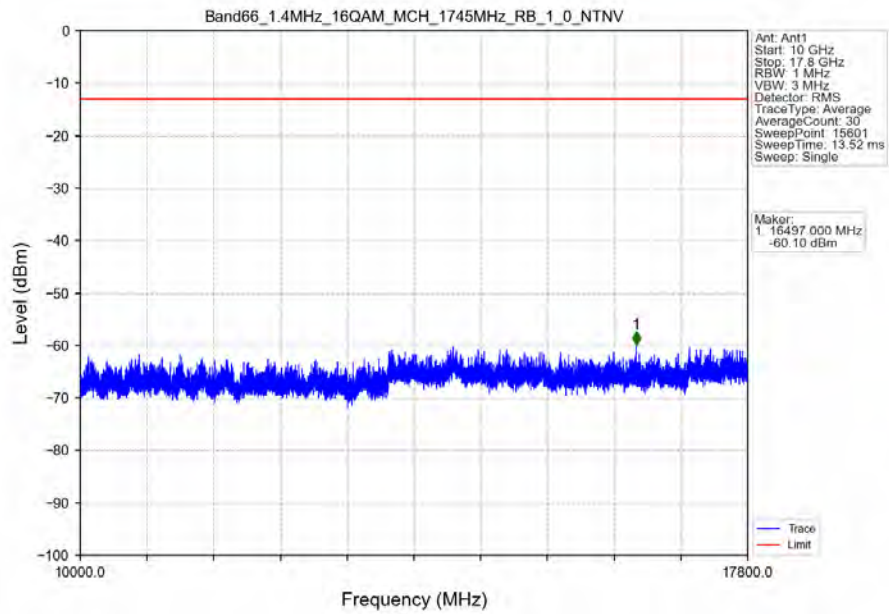




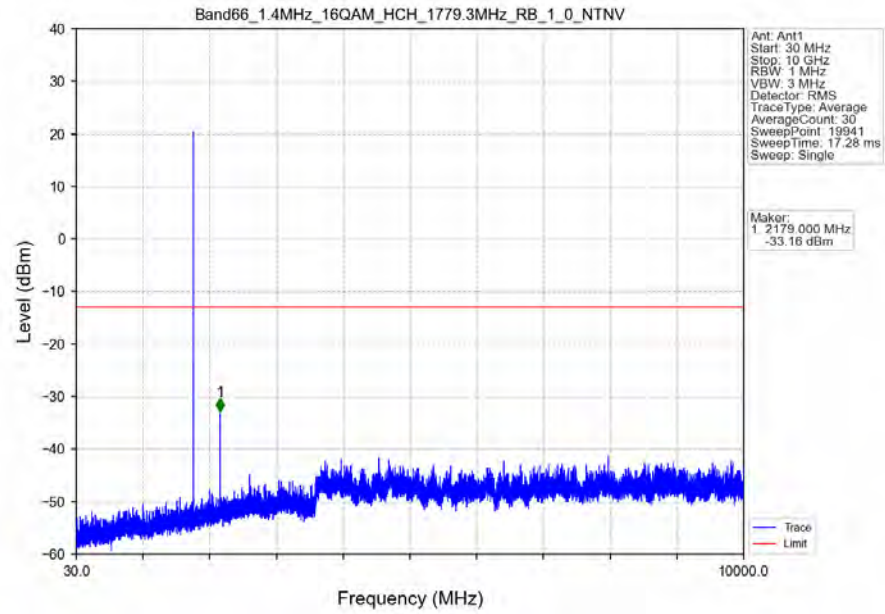
# Band66 1.4MHz 16QAM MCH 1745MHz RB 1 0 NTNV



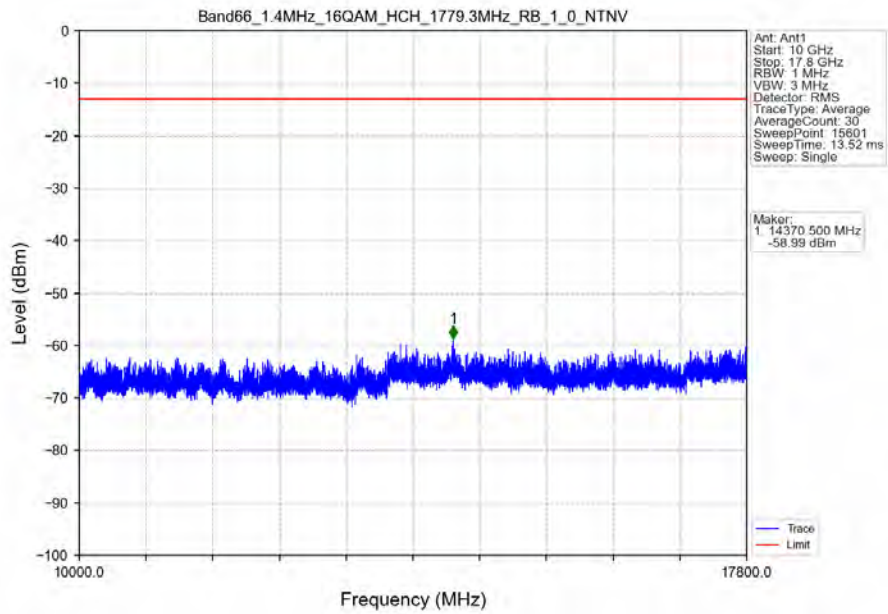
# Band66 1.4MHz 16QAM MCH 1745MHz RB 1 0 NTNV



Band66\_1.4MHz\_16QAM\_HCH\_1779.3MHz\_RB\_1\_0\_NTNV

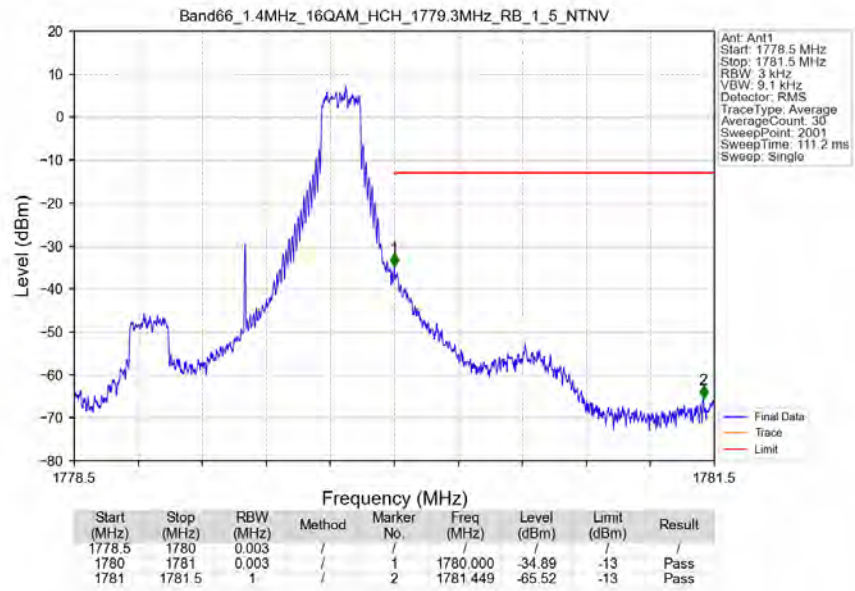


Band66\_1.4MHz\_16QAM\_HCH\_1779.3MHz\_RB\_1\_0\_NTNV

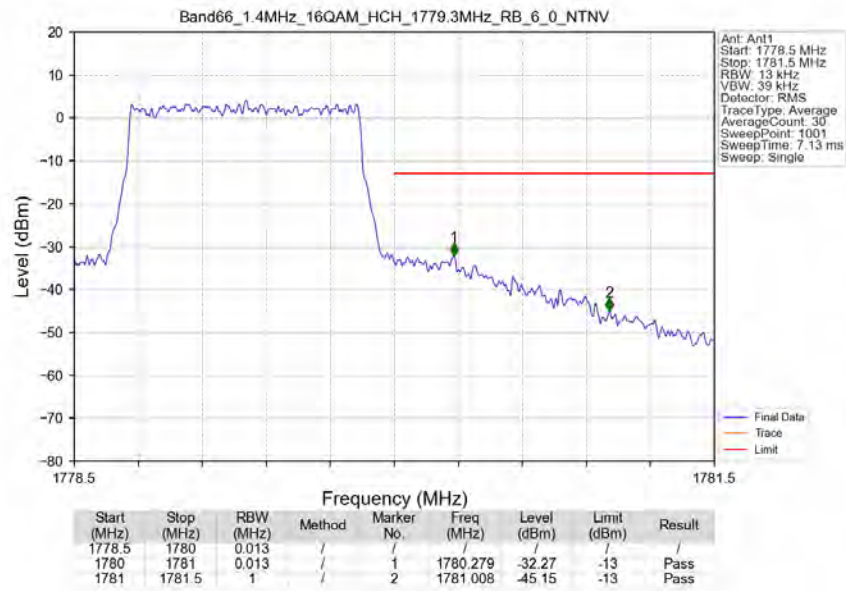




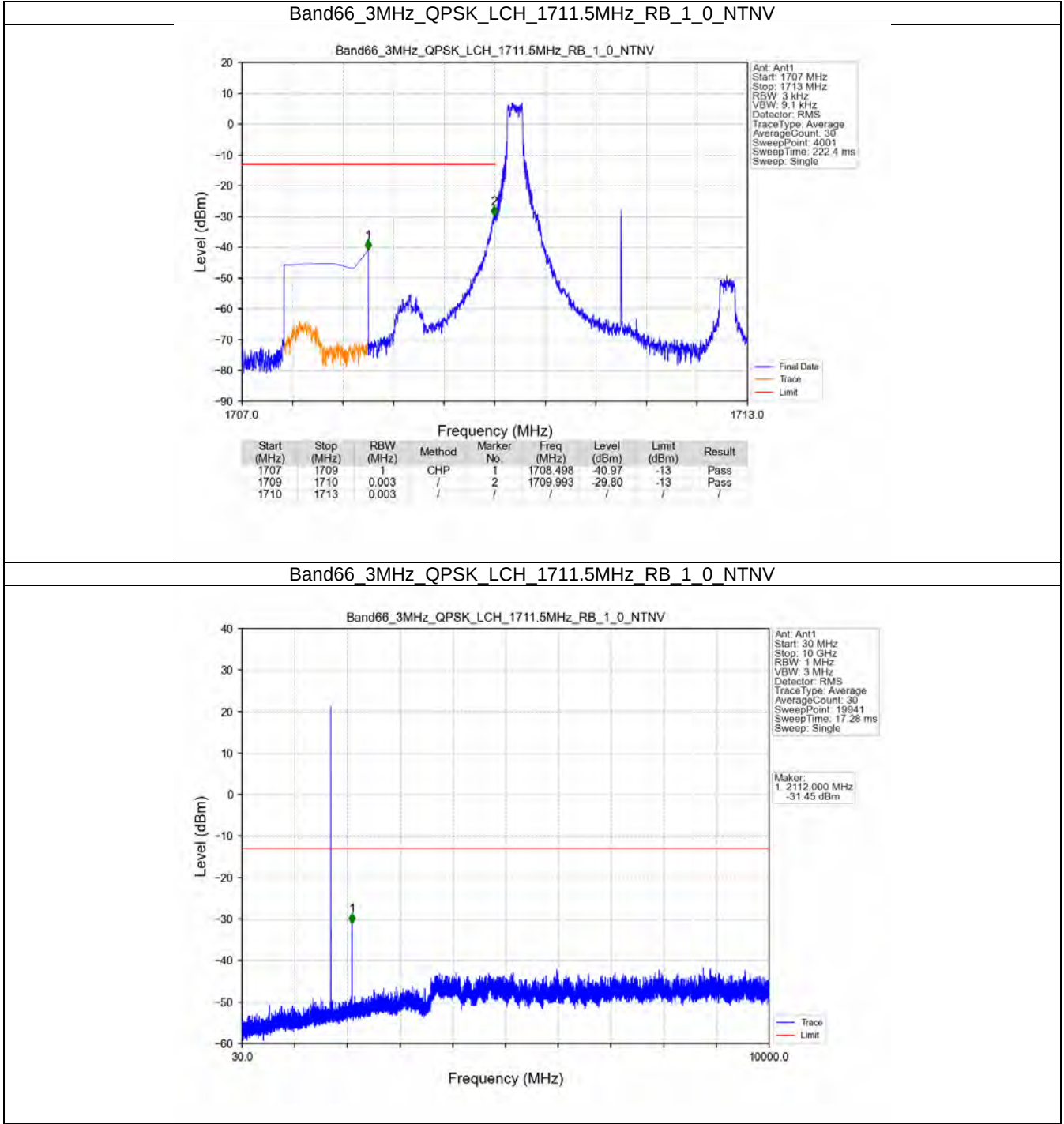
# Band66 1.4MHz 16QAM HCH 1779.3MHz RB 1 5 NTNV



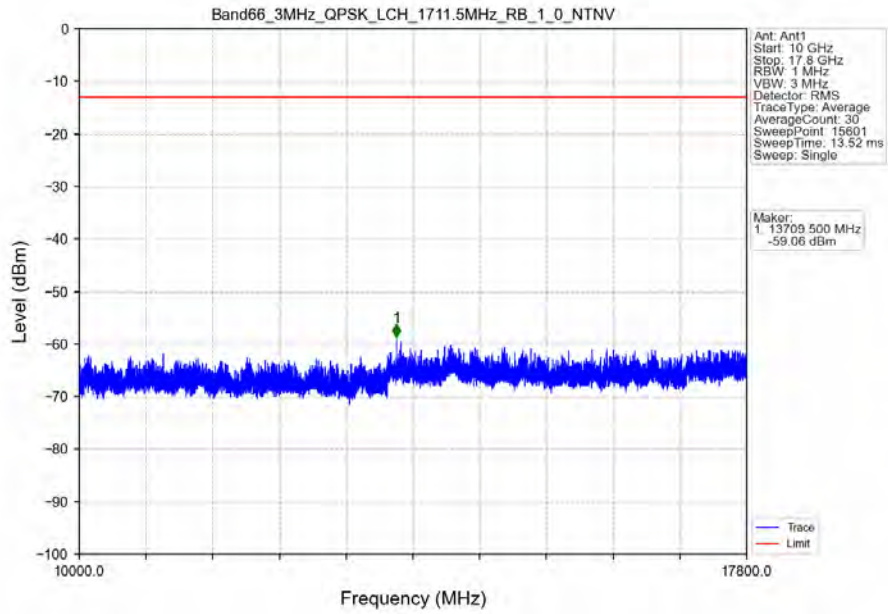
# Band66 1.4MHz 16QAM HCH 1779.3MHz RB 6 0 NTNV



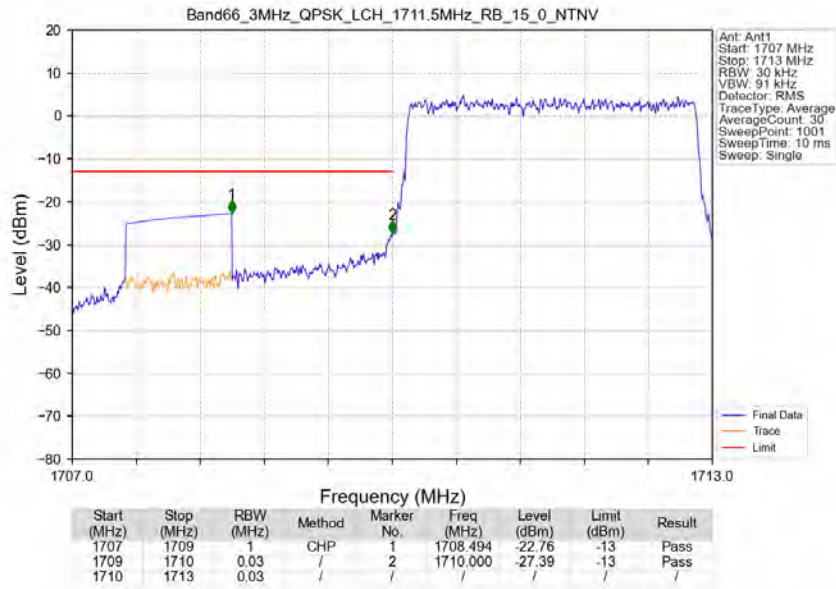
5.2.2 B66\_3MHz



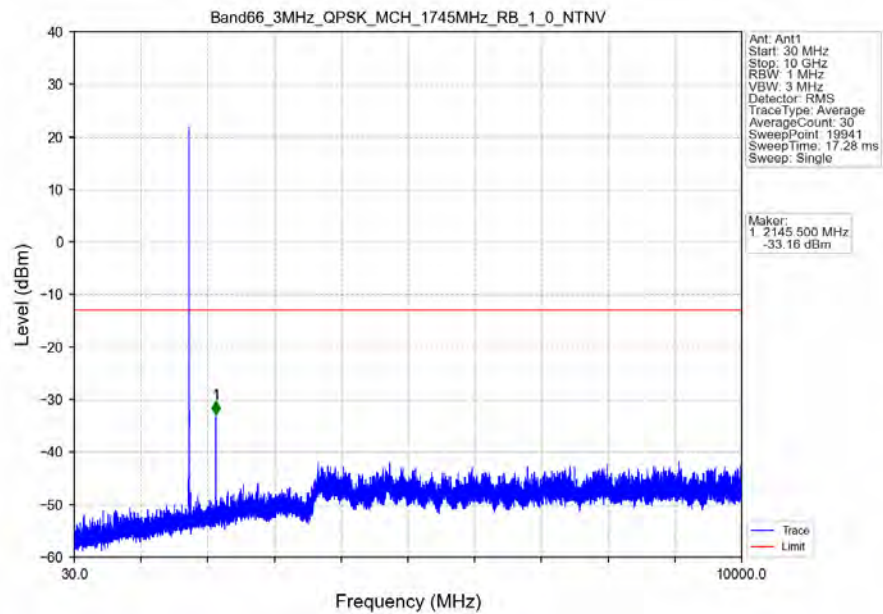
# Band66 3MHz QPSK LCH 1711.5MHz RB 1 0 NTNV



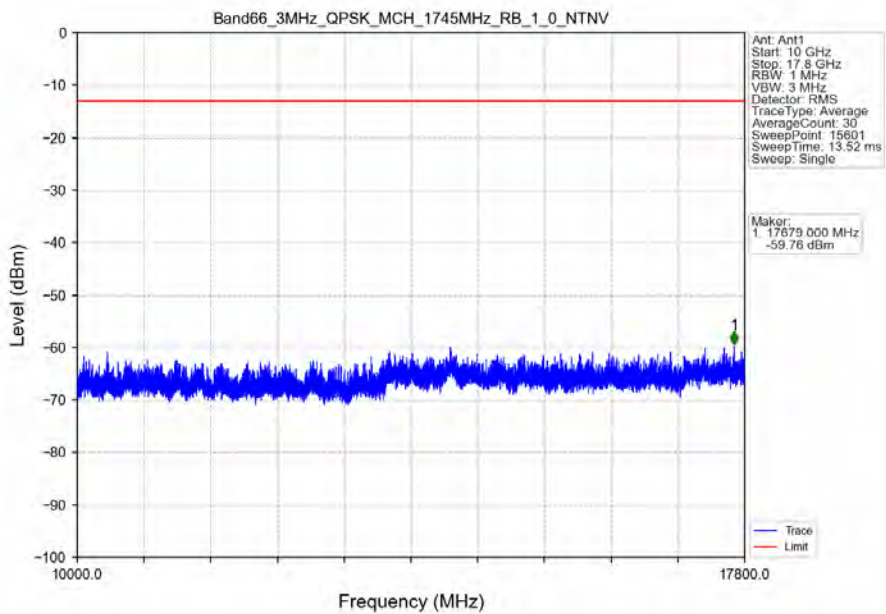
# Band66 3MHz QPSK LCH 1711.5MHz RB 15 0 NTNV



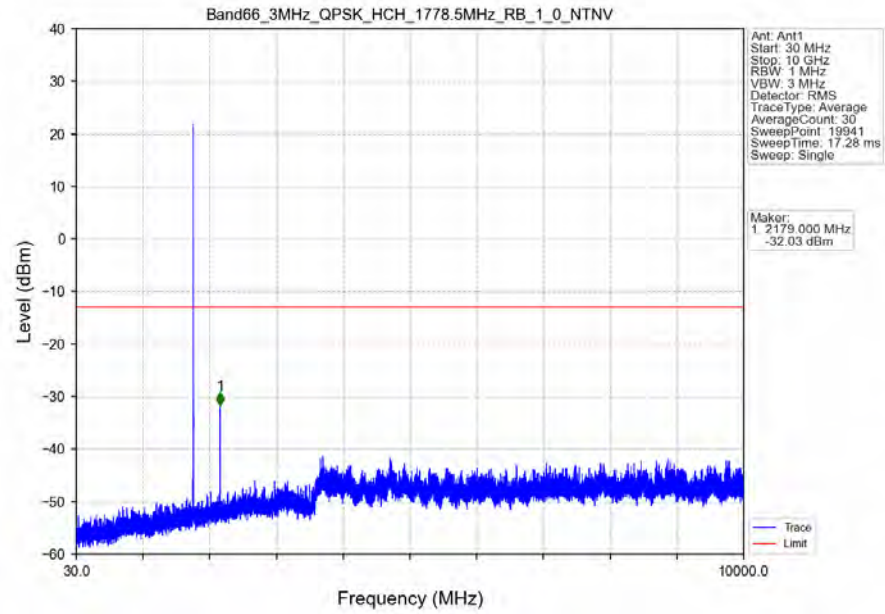
Band66\_3MHz\_QPSK\_MCH\_1745MHz\_RB\_1\_0\_NTNV



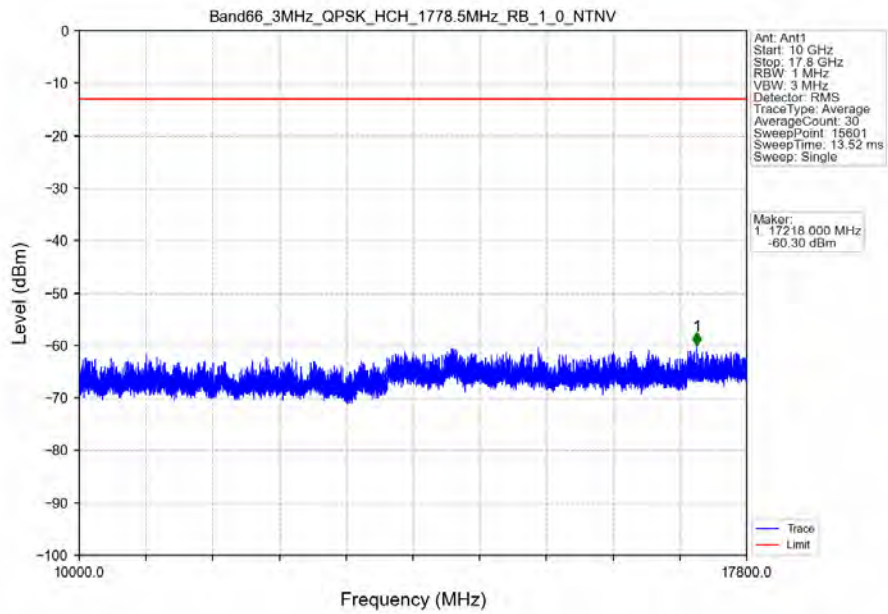
Band66\_3MHz\_QPSK\_MCH\_1745MHz\_RB\_1\_0\_NTNV



# Band66\_3MHz\_QPSK\_HCH\_1778.5MHz\_RB\_1\_0\_NTNV

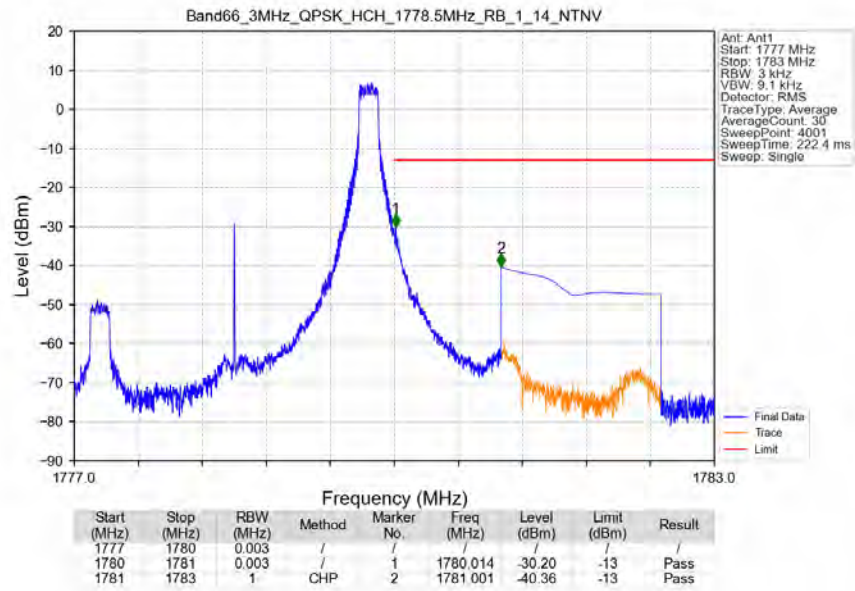


# Band66\_3MHz\_QPSK\_HCH\_1778.5MHz\_RB\_1\_0\_NTNV

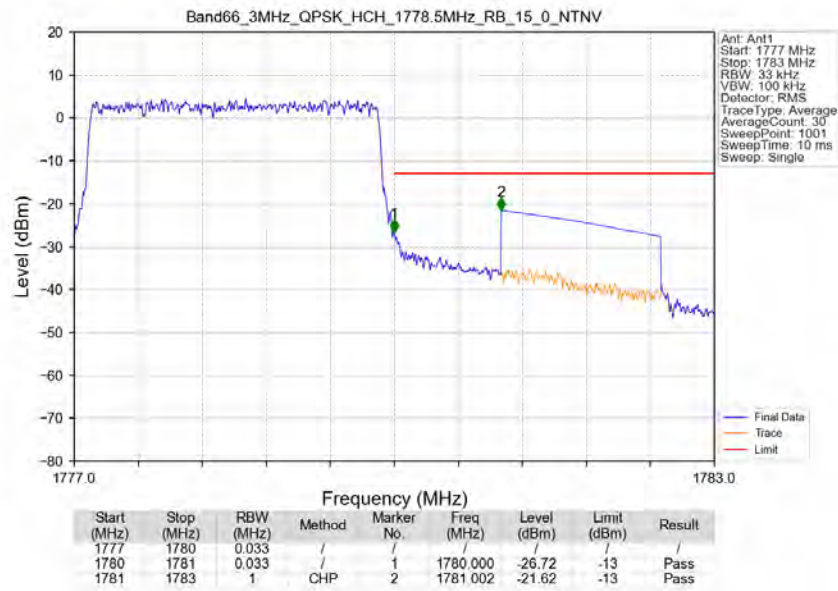




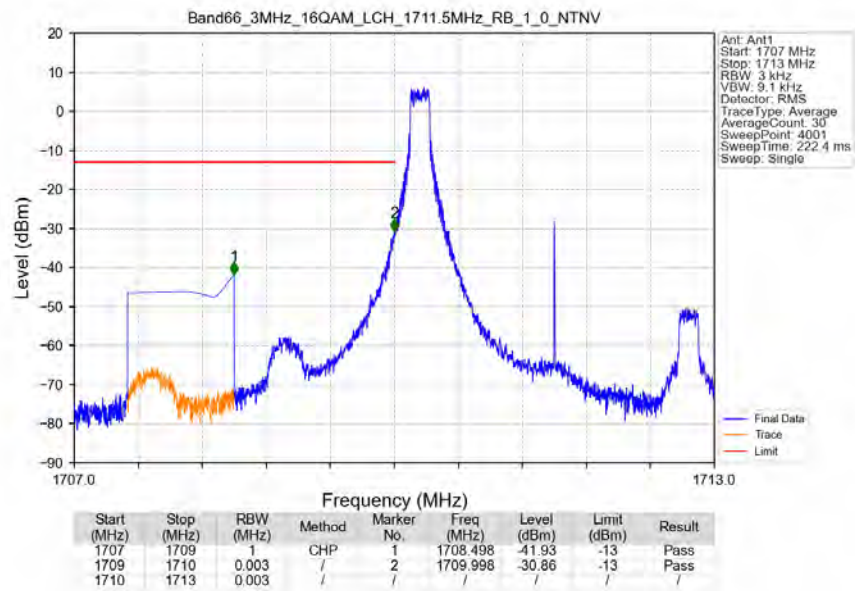
# Band66 3MHz QPSK HCH 1778.5MHz RB 1 14 NTNV



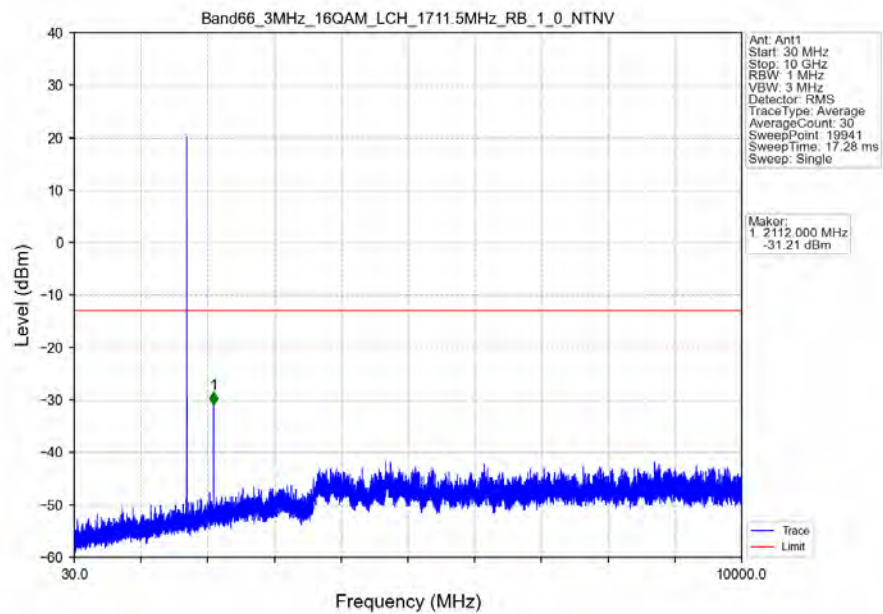
# Band66 3MHz QPSK HCH 1778.5MHz RB 15 0 NTNV



# Band66\_3MHz\_16QAM\_LCH\_1711.5MHz\_RB\_1\_0\_NTNV

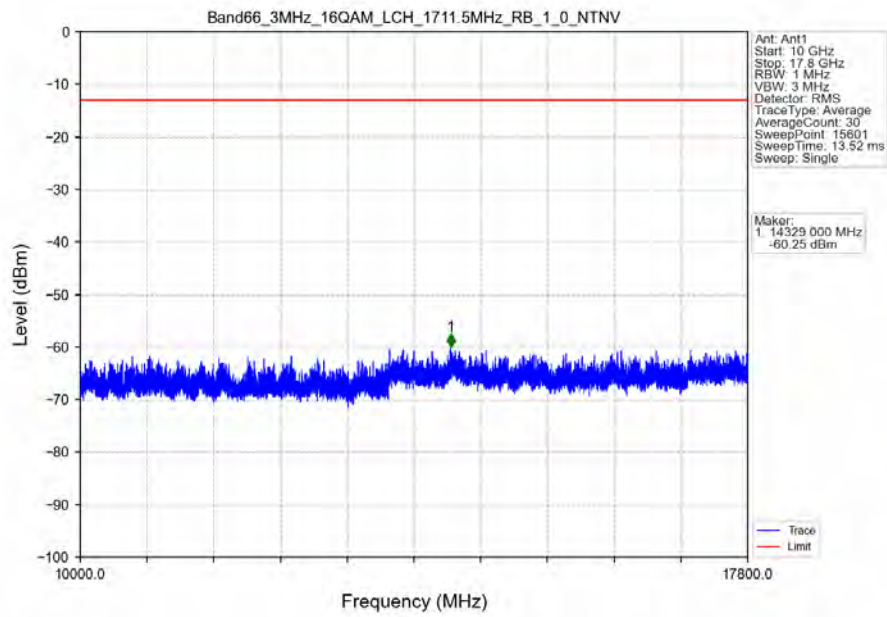


# Band66\_3MHz\_16QAM\_LCH\_1711.5MHz\_RB\_1\_0\_NTNV

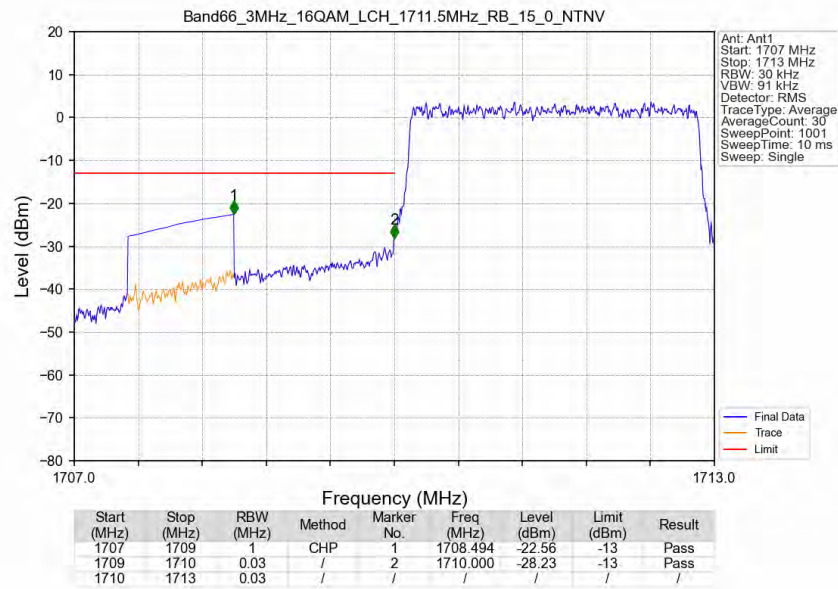




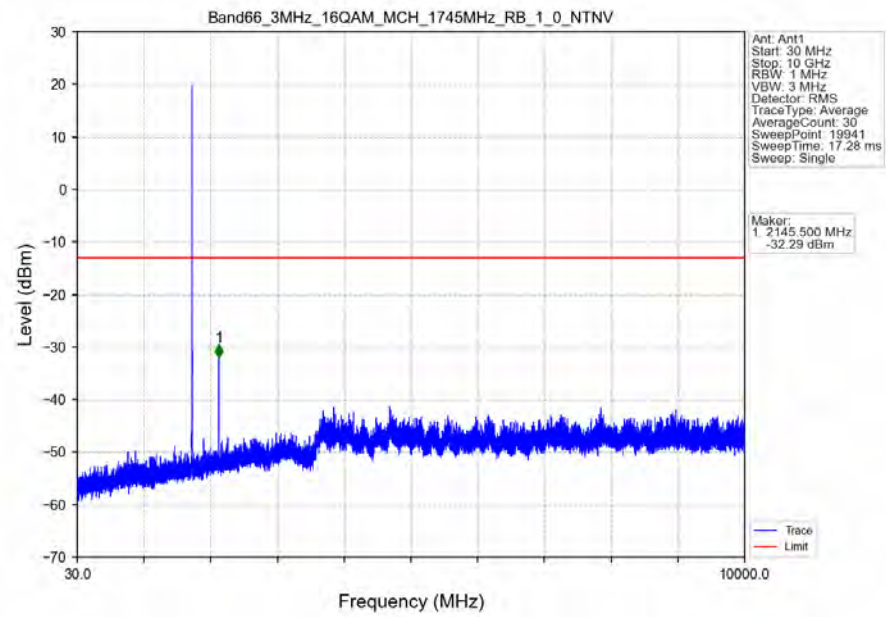
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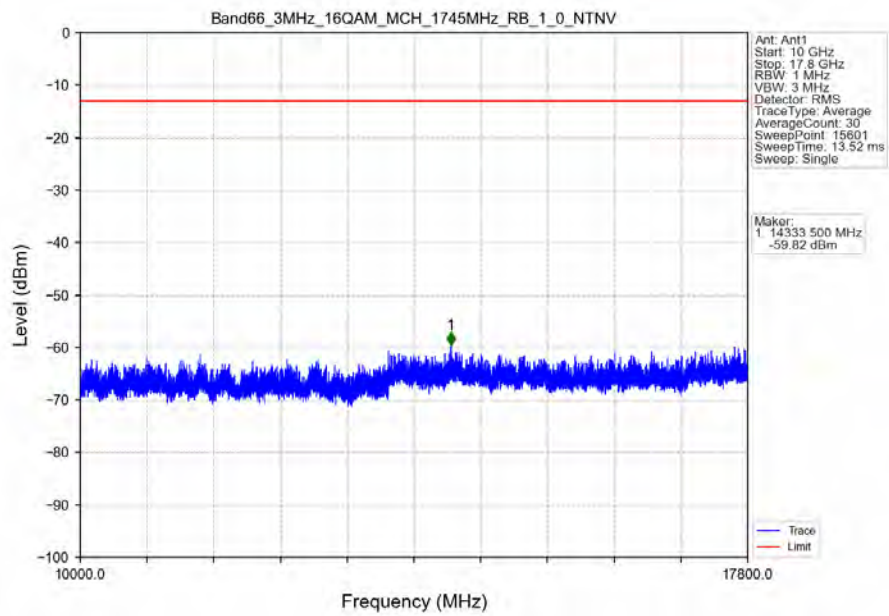
# Band66\_3MHz\_16QAM\_LCH\_1711.5MHz\_RB\_15\_0\_NTNV



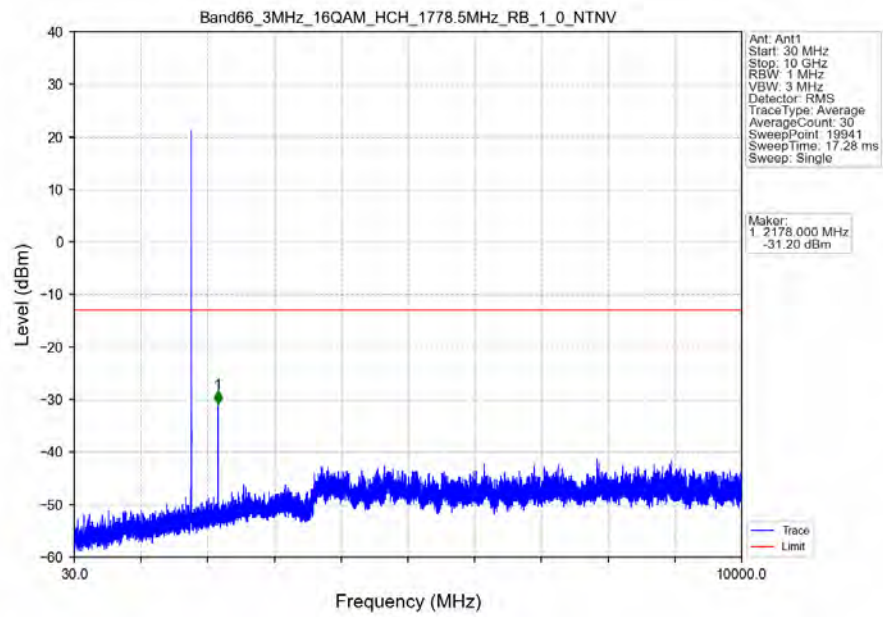
# Band66\_3MHz\_16QAM\_MCH\_1745MHz\_RB\_1\_0\_NTNV



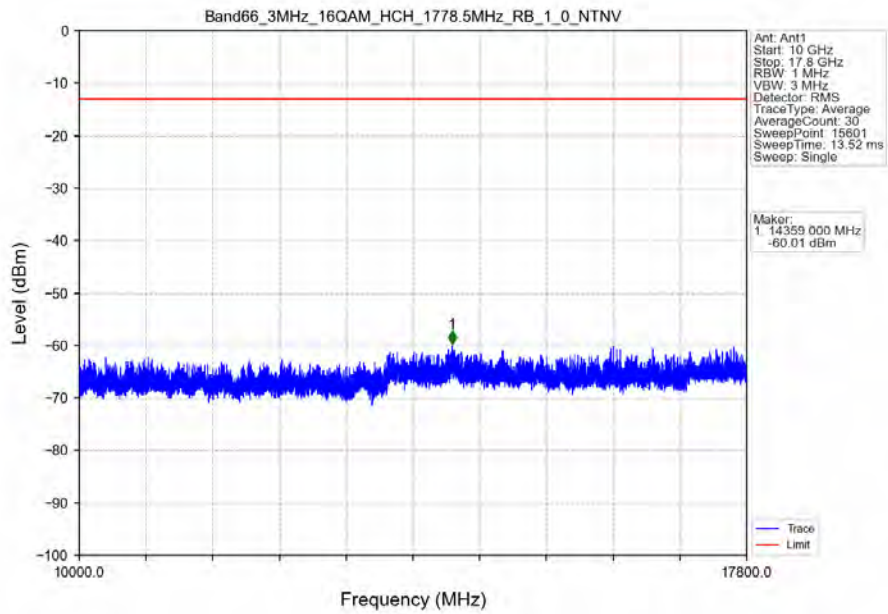
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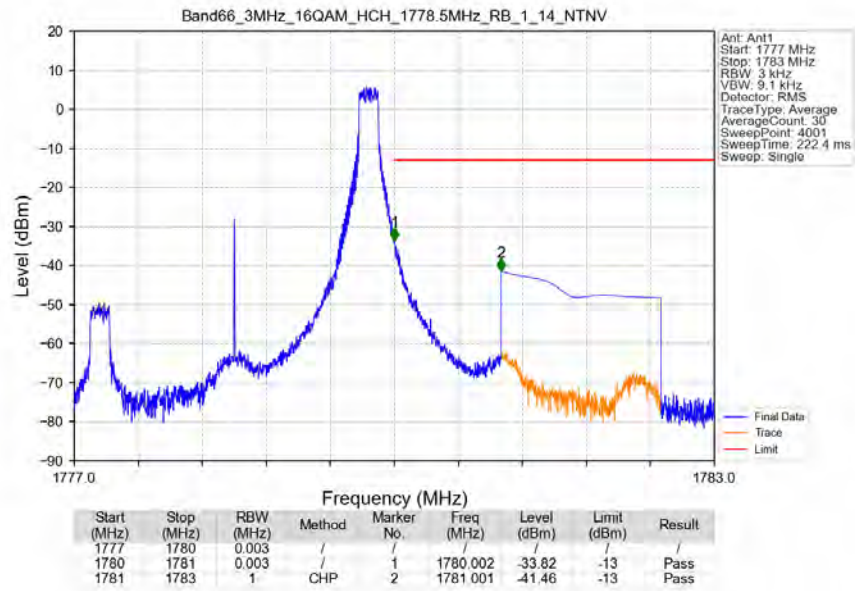
Band66\_3MHz\_16QAM\_HCH\_1778.5MHz\_RB\_1\_0\_NTNV



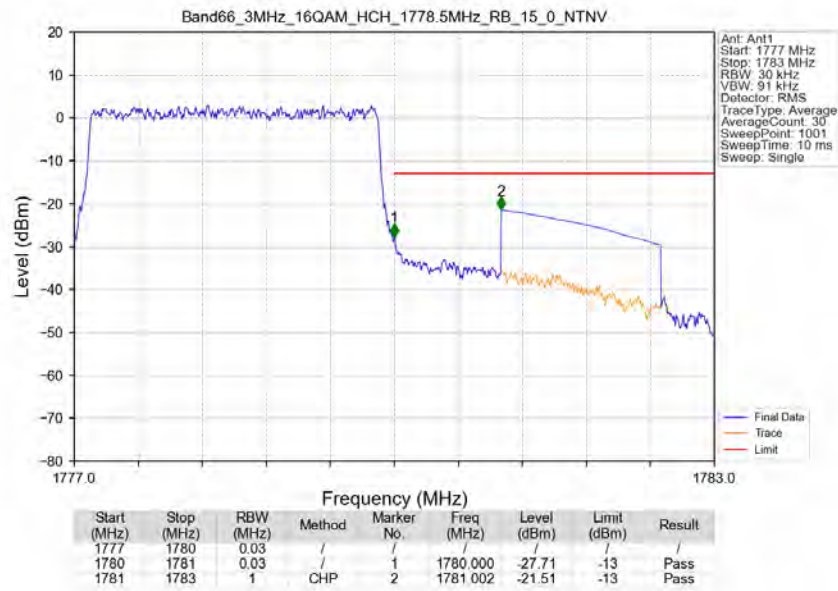
Band66\_3MHz\_16QAM\_HCH\_1778.5MHz\_RB\_1\_0\_NTNV



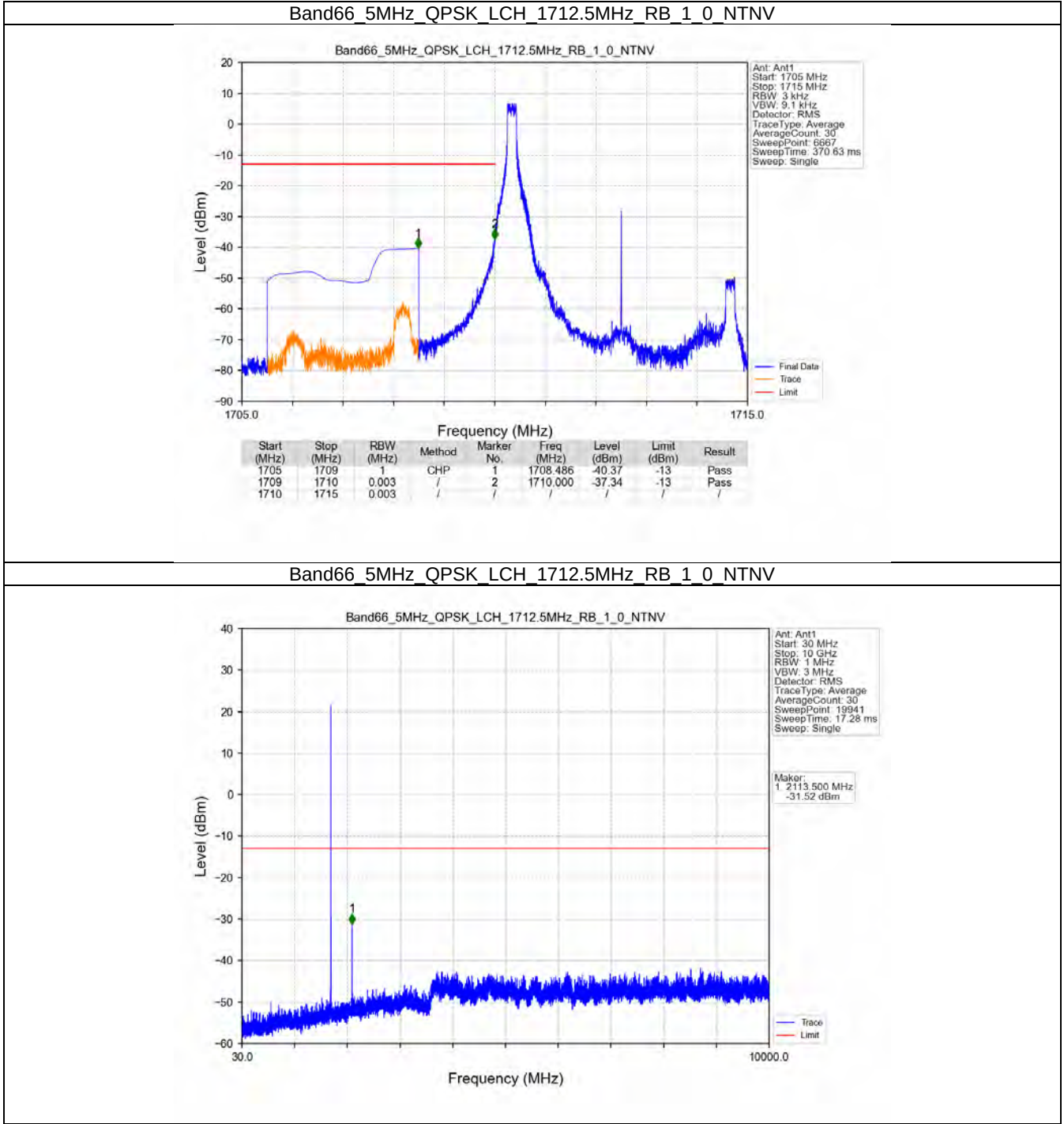
# Band66 3MHz 16QAM HCH 1778.5MHz RB 1 14 NTN



# Band66 3MHz 16QAM HCH 1778.5MHz RB 15 0 NTN

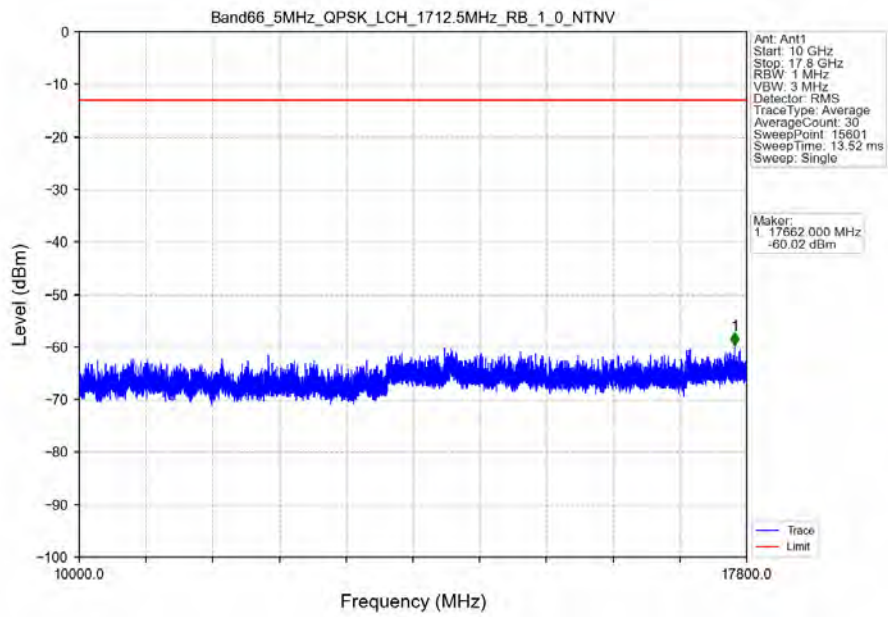


5.2.3 B66\_5MHz

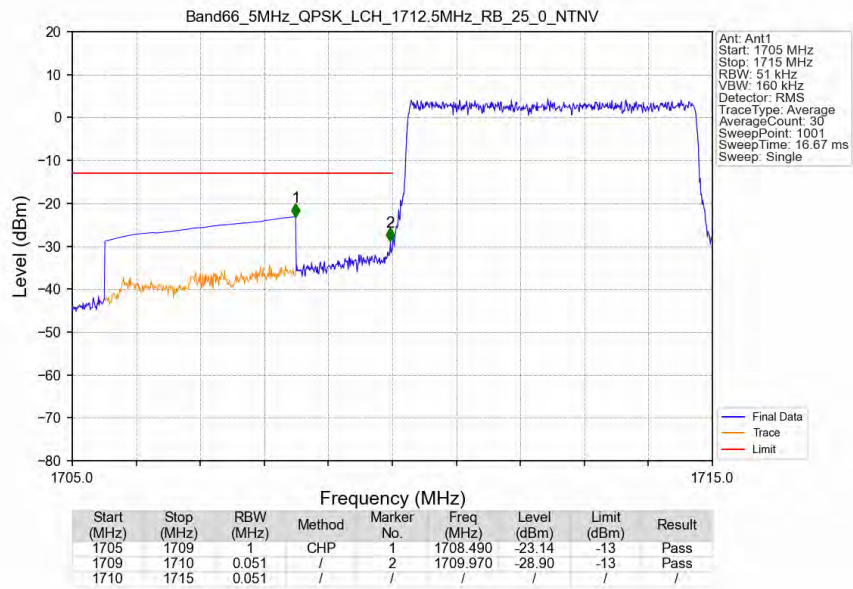




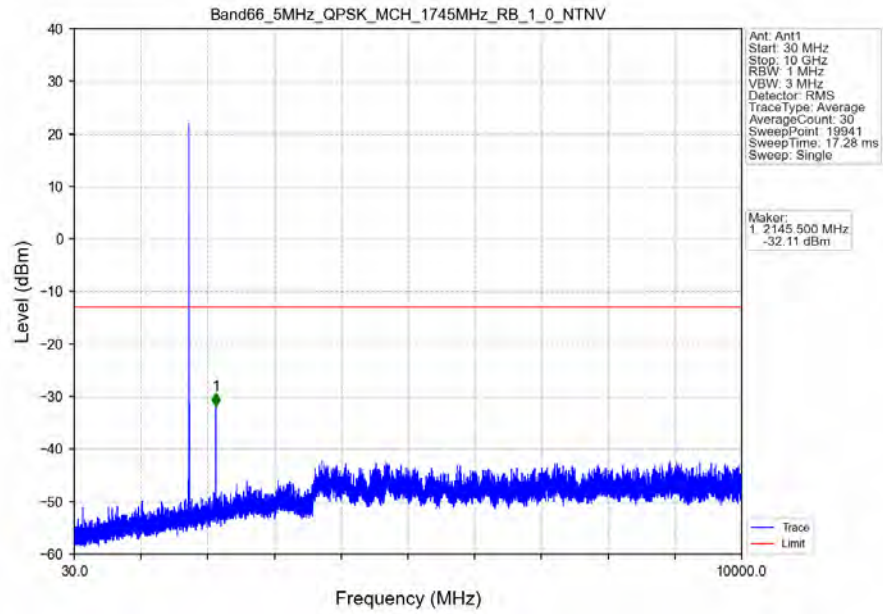
# Band66 5MHz QPSK LCH 1712.5MHz RB 1 0 NTNV



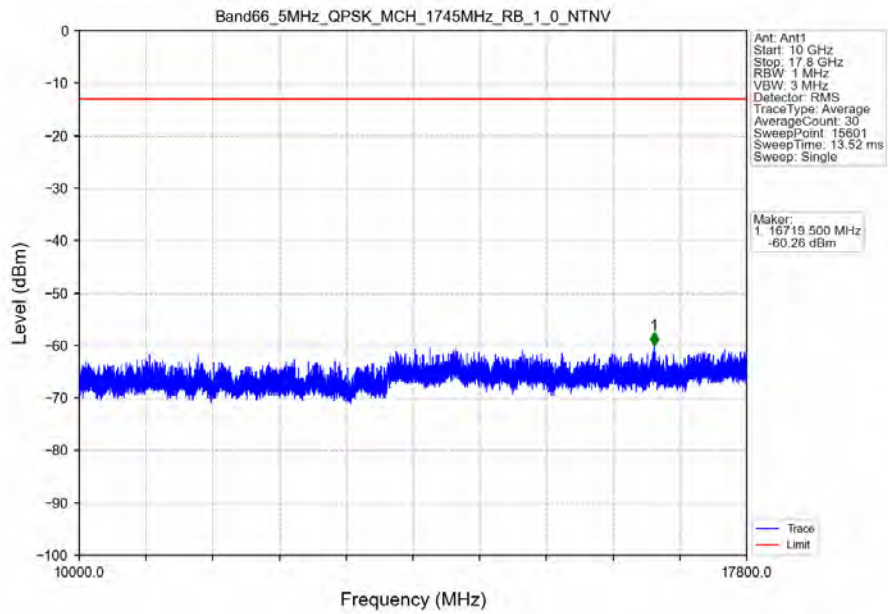
# Band66\_5MHz\_QPSK\_LCH\_1712.5MHz\_RB\_25\_0\_NTNV



# Band66 5MHz QPSK MCH 1745MHz RB 1 0 NTNV

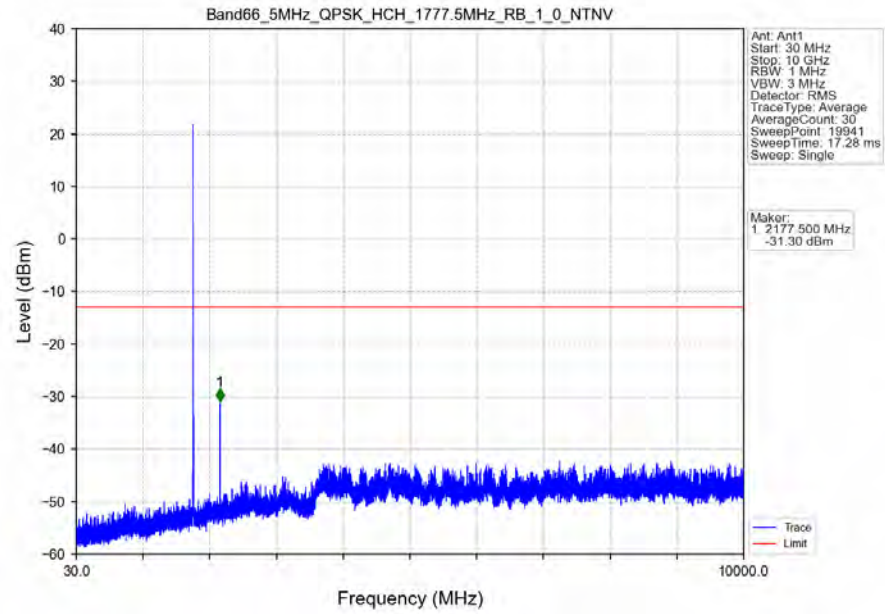


# Band66 5MHz QPSK MCH 1745MHz RB 1 0 NTNV

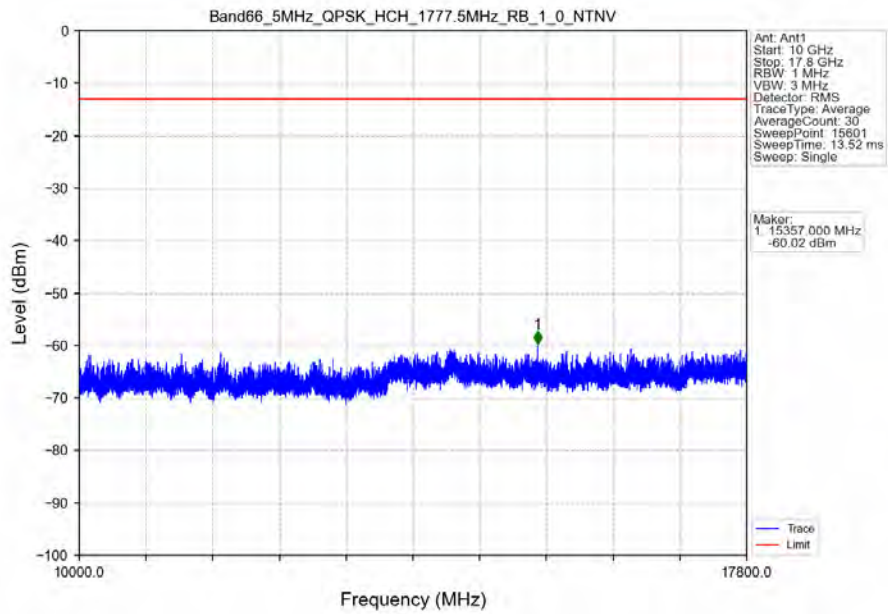




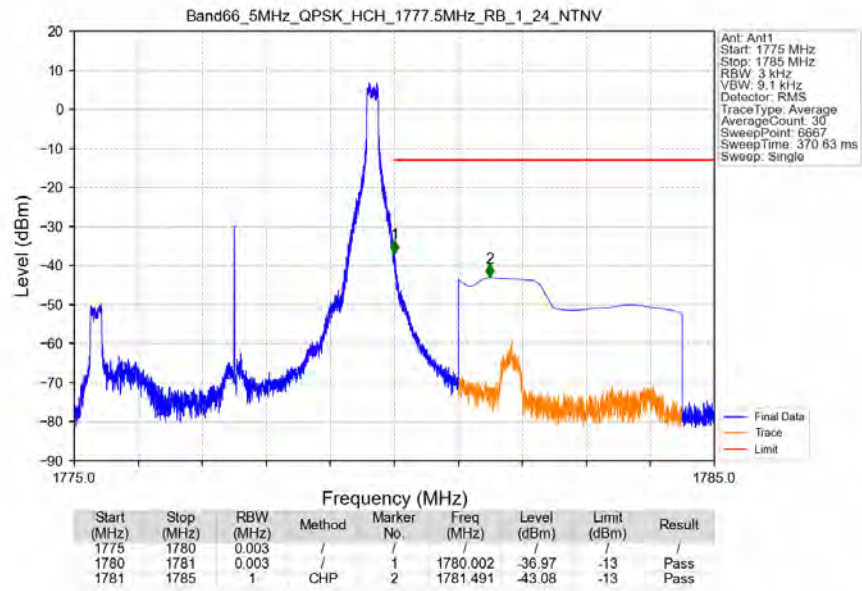
# Band66\_5MHz\_QPSK\_HCH\_1777.5MHz\_RB\_1\_0\_NTNV



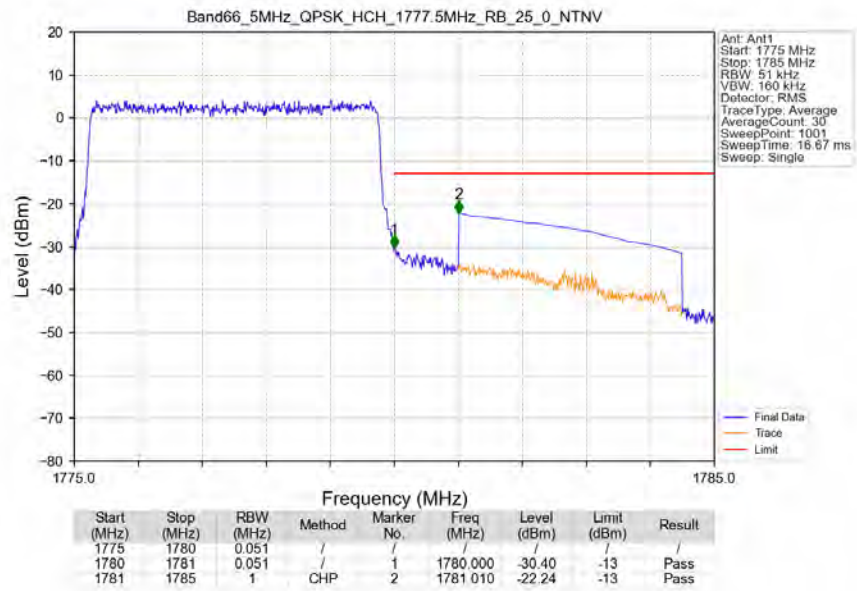
# Band66\_5MHz\_QPSK\_HCH\_1777.5MHz\_RB\_1\_0\_NTNV



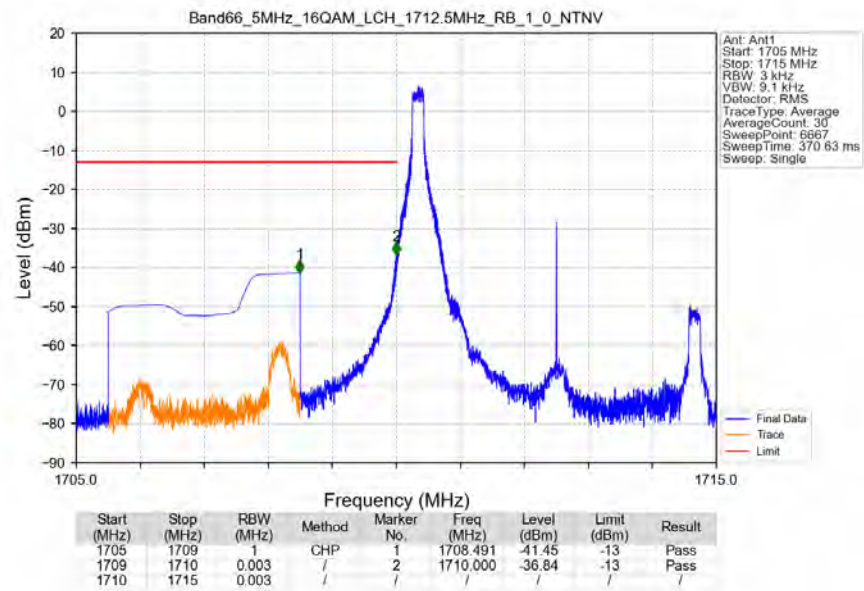
# Band66 5MHz QPSK HCH 1777.5MHz RB 1 24 NTV



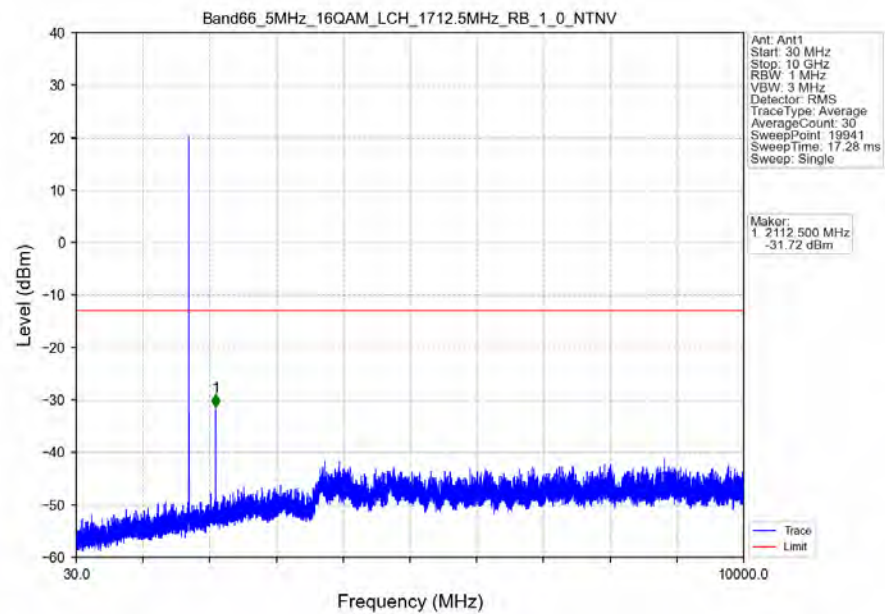
# Band66 5MHz QPSK HCH 1777.5MHz RB 25 0 NTV



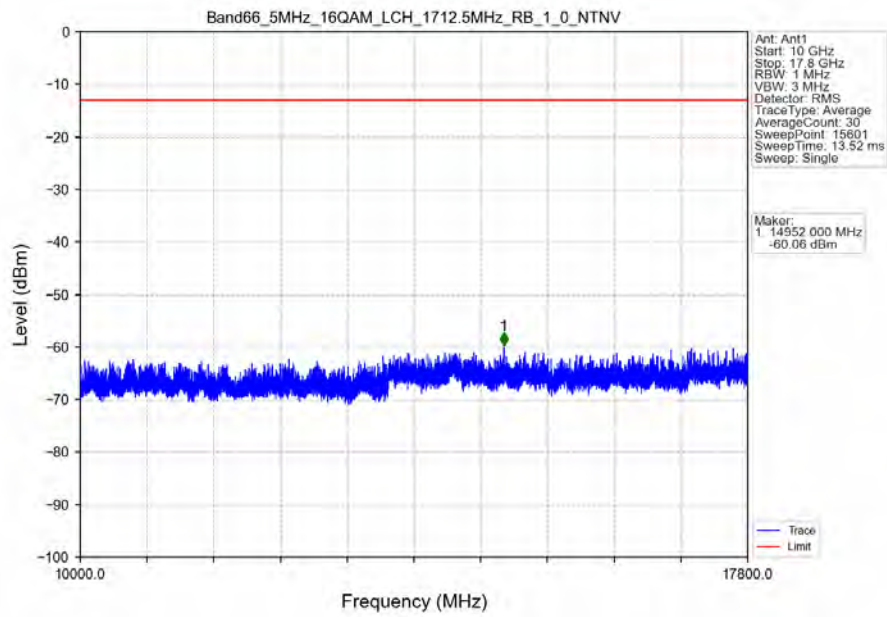
# Band66\_5MHz\_16QAM\_LCH\_1712.5MHz\_RB\_1\_0\_NTNV



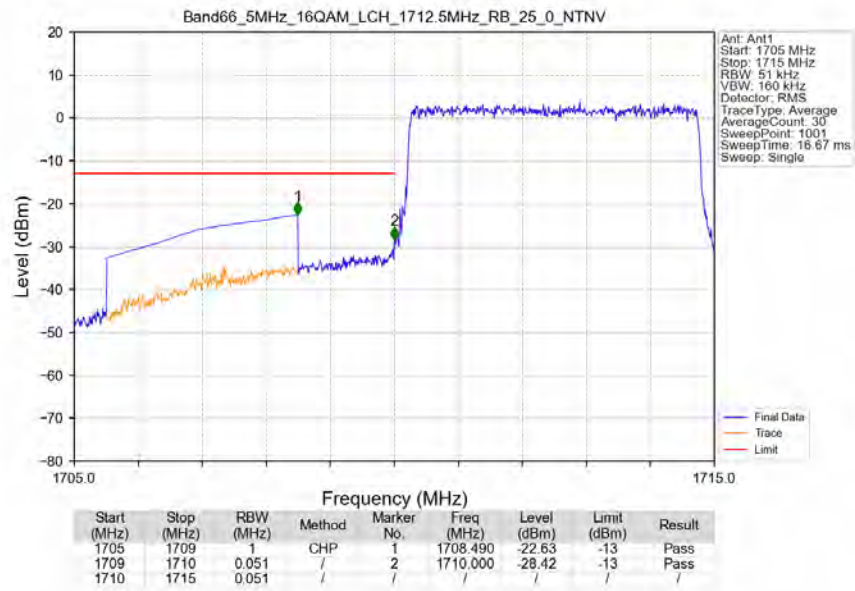
# Band66\_5MHz\_16QAM\_LCH\_1712.5MHz\_RB\_1\_0\_NTNV



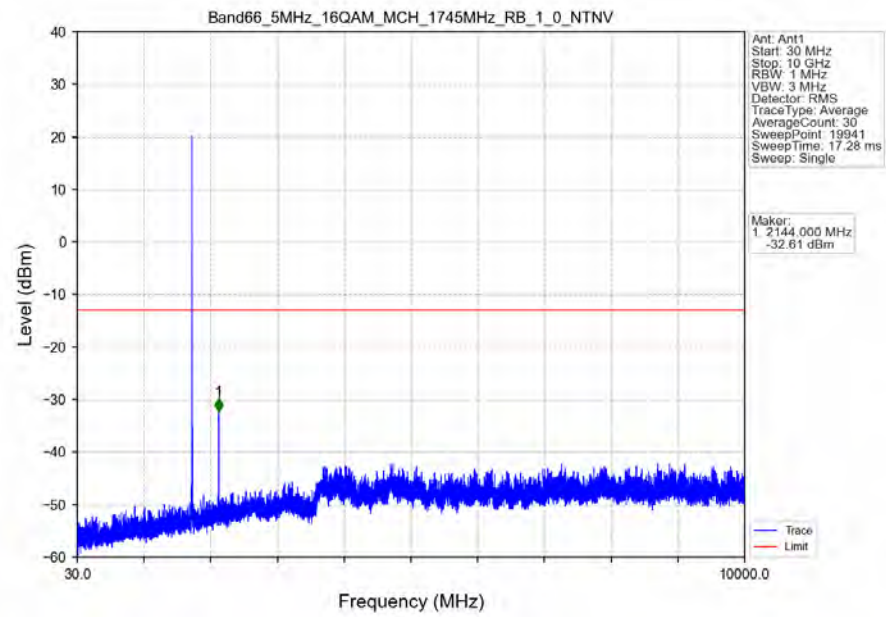
# Band66 5MHz 16QAM LCH 1712.5MHz RB 1 0 NTN



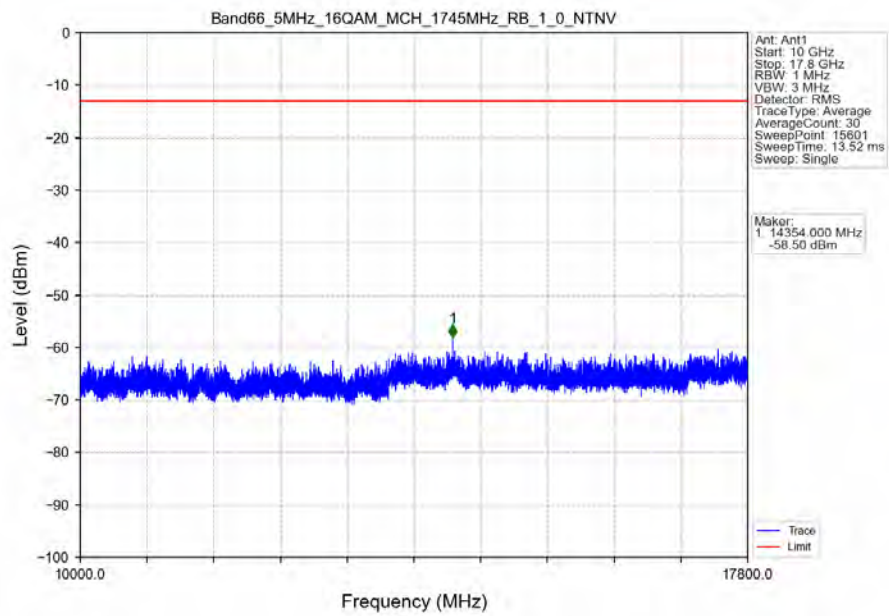
# Band66 5MHz 16QAM LCH 1712.5MHz RB 25 0 NTN



# Band66 5MHz 16QAM MCH 1745MHz RB 1 0 NTNV

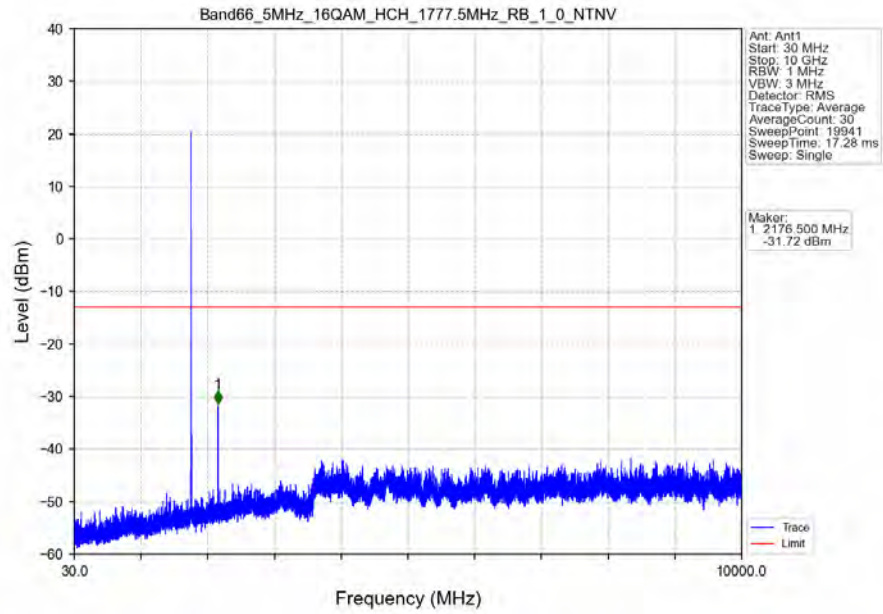


# Band66 5MHz 16QAM MCH 1745MHz RB 1 0 NTNV

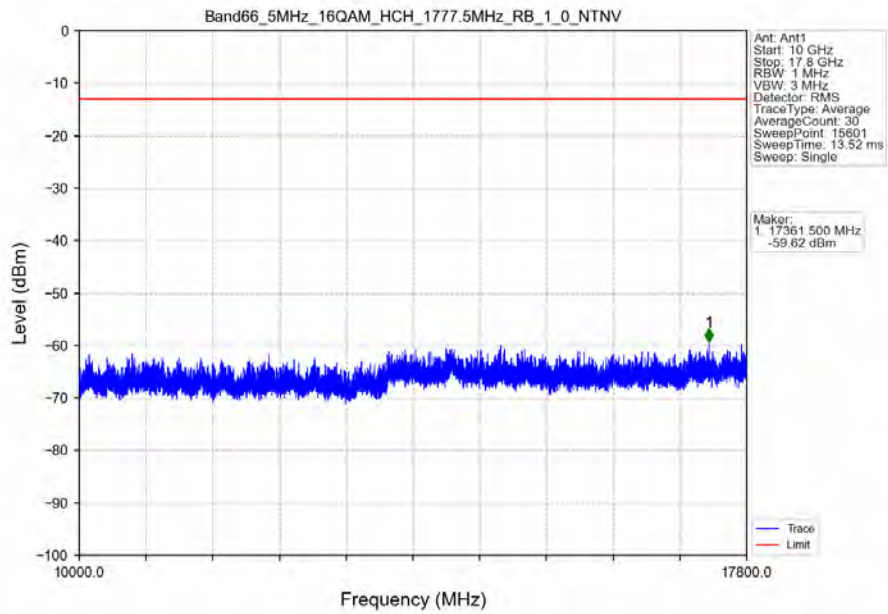




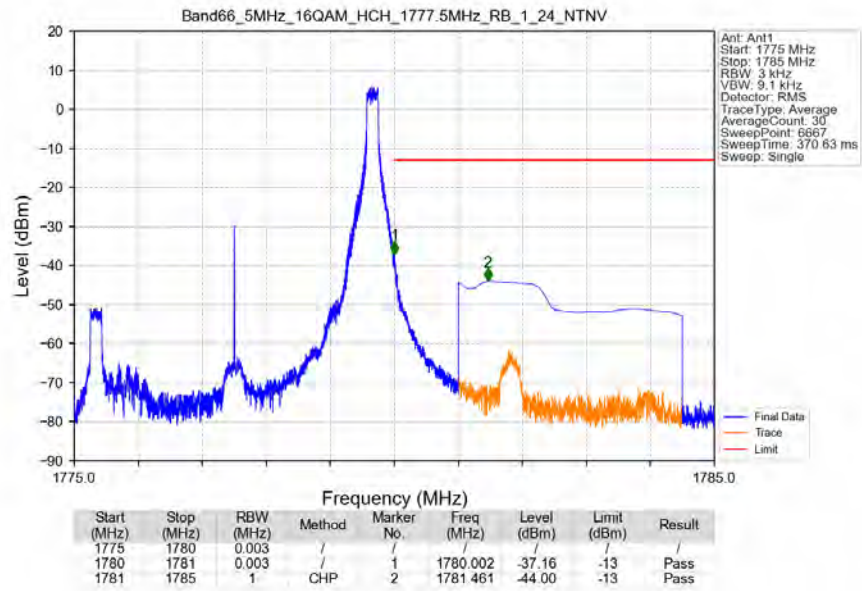
Band66 5MHz 16QAM HCH 1777.5MHz RB 1 0 NTNV



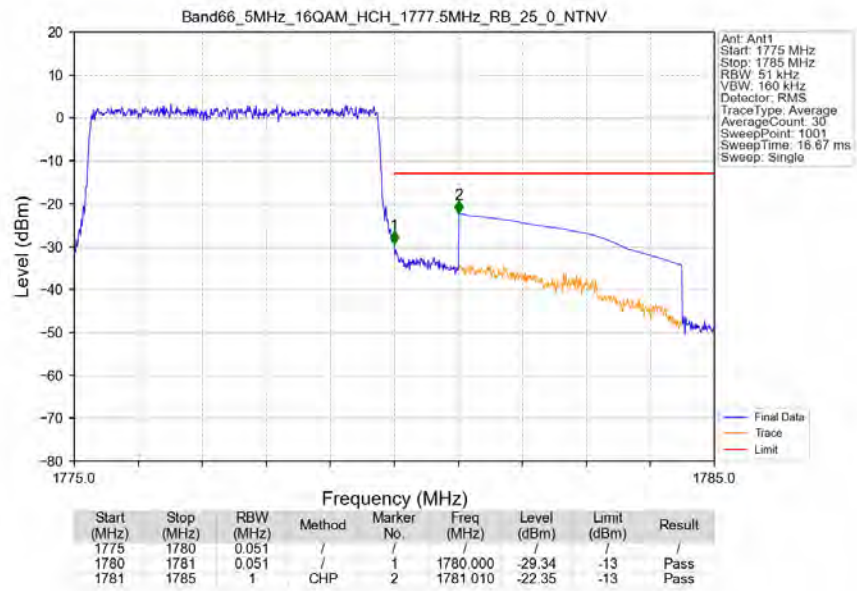
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# Band66 5MHz 16QAM HCH 1777.5MHz RB 1 24 NTN

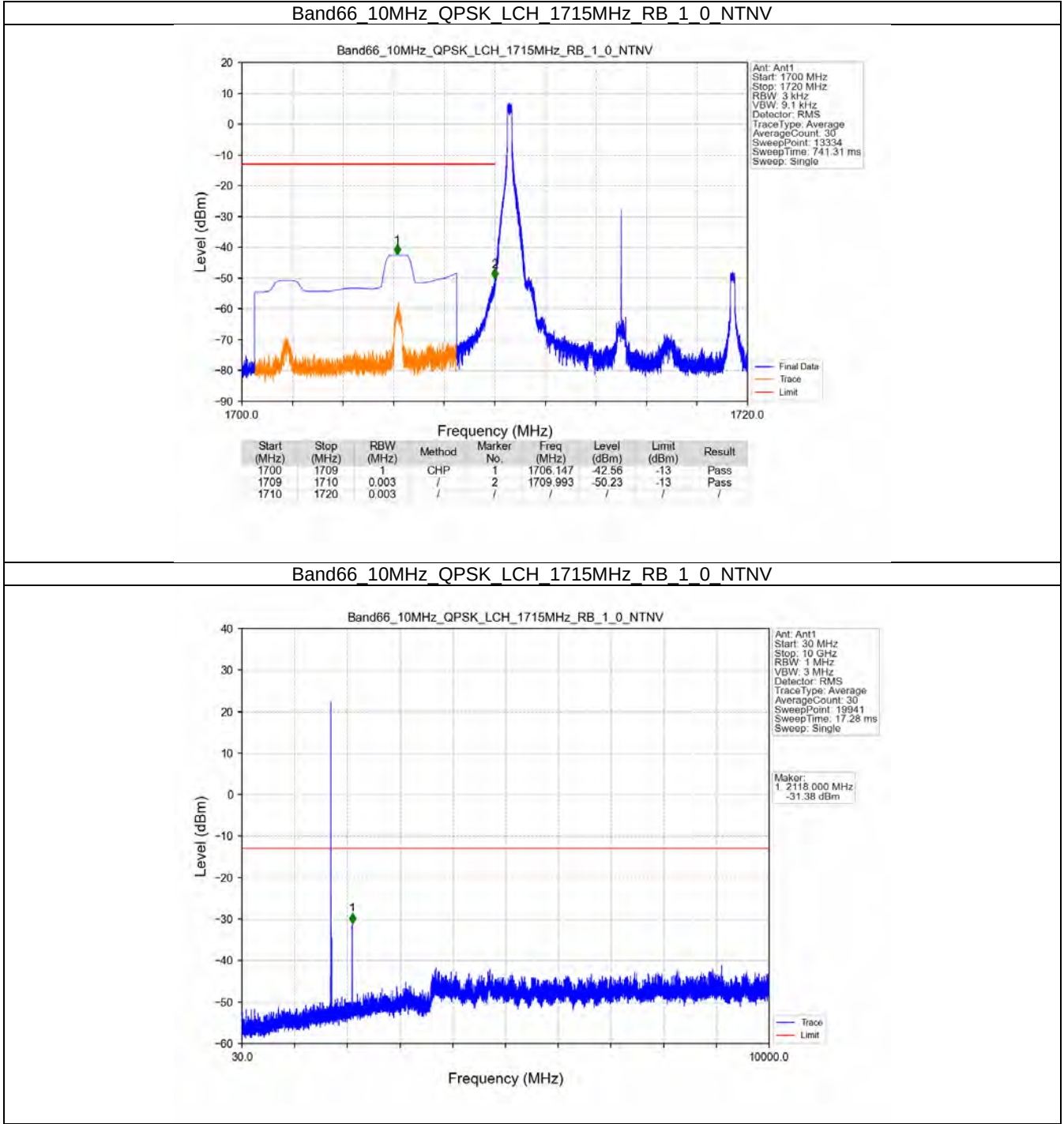


# Band66 5MHz 16QAM HCH 1777.5MHz RB 25 0 NTN

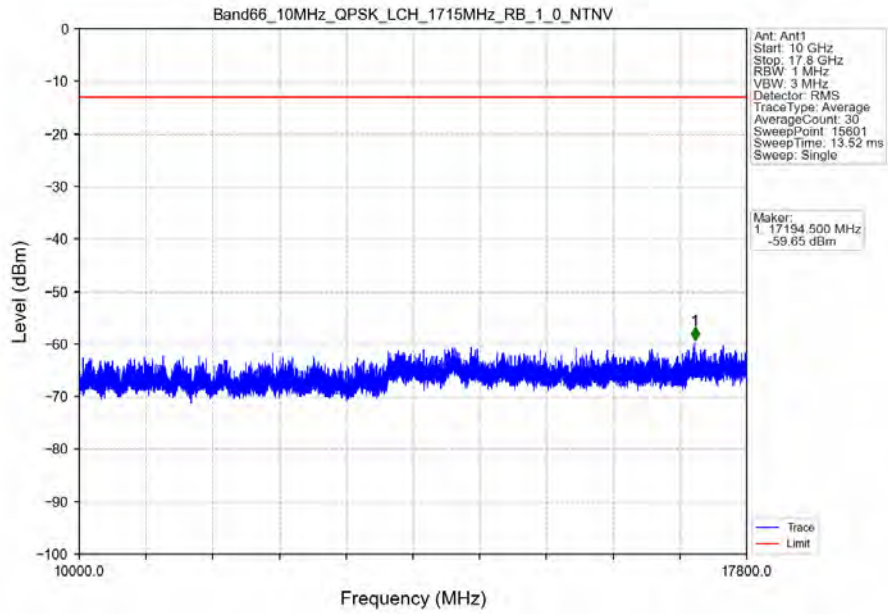




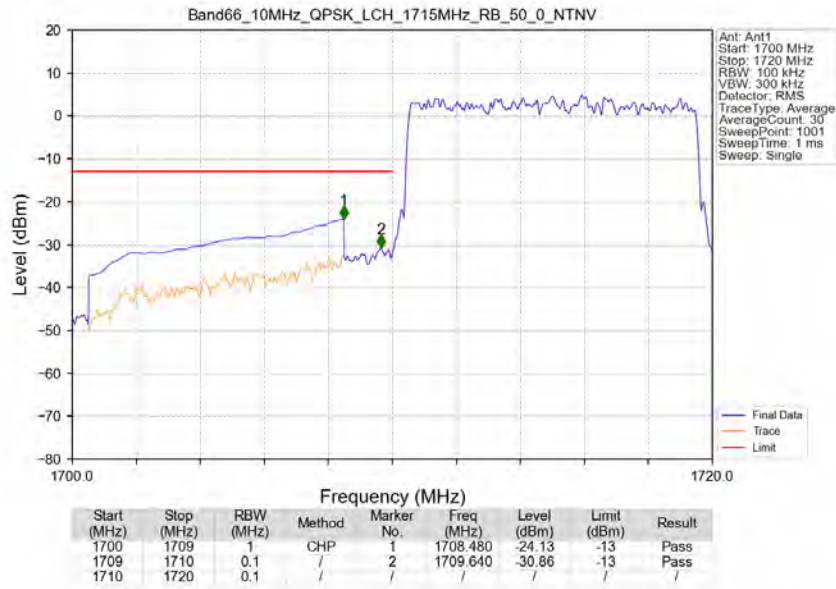
5.2.4 B66\_10MHz



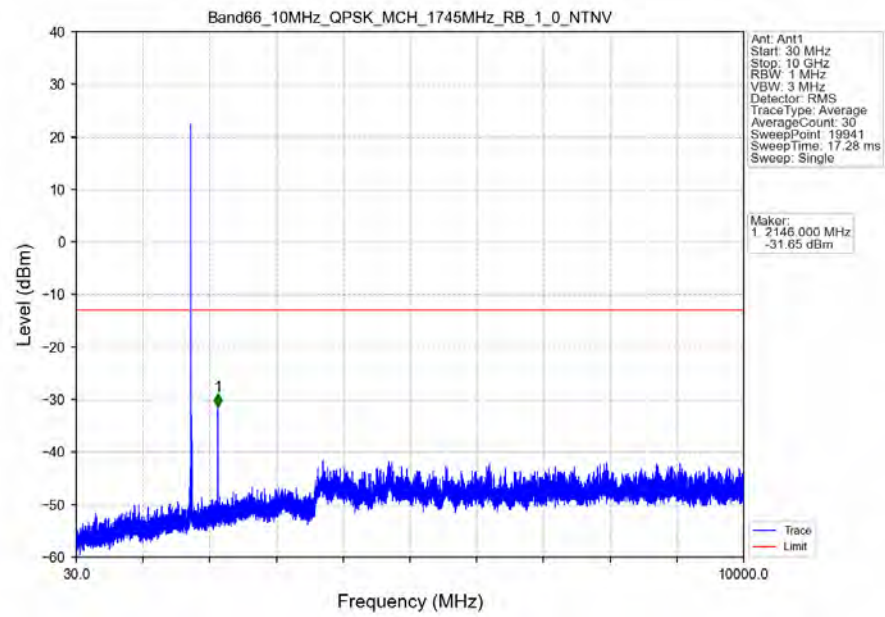
# Band66 10MHz QPSK LCH 1715MHz RB 1 0 NTN



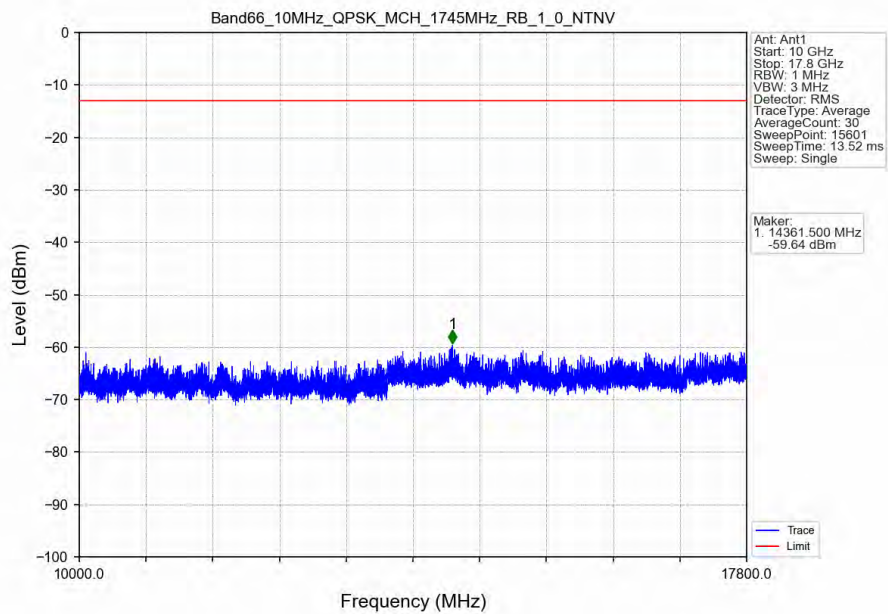
# Band66 10MHz QPSK LCH 1715MHz RB 50 0 NTN



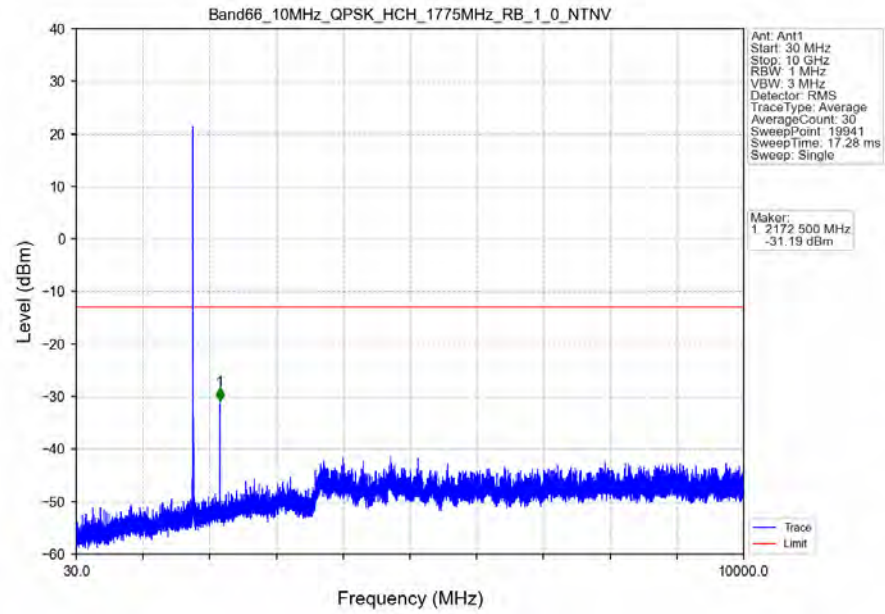
# Band66\_10MHz\_QPSK\_MCH\_1745MHz\_RB\_1\_0\_NTNV



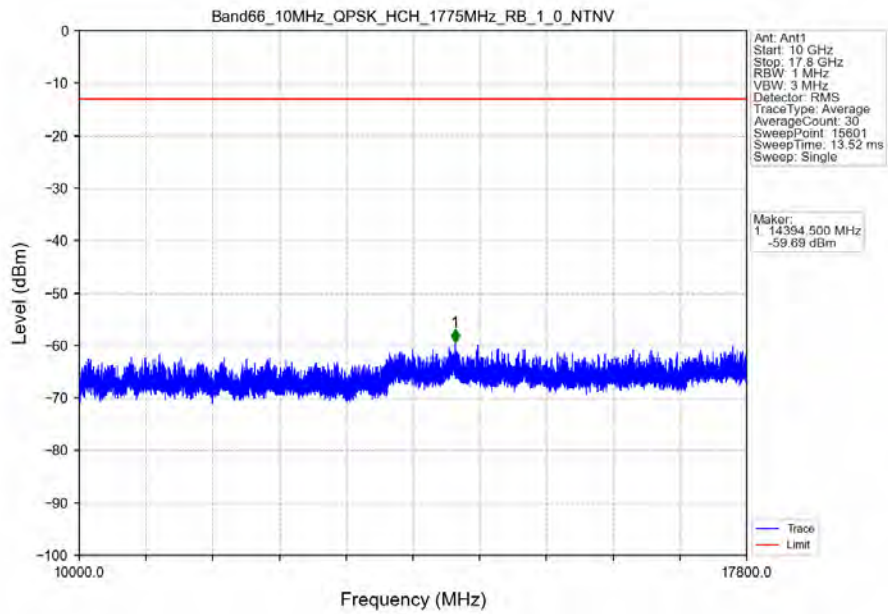
# Band66\_10MHz\_QPSK\_MCH\_1745MHz\_RB\_1\_0\_NTNV



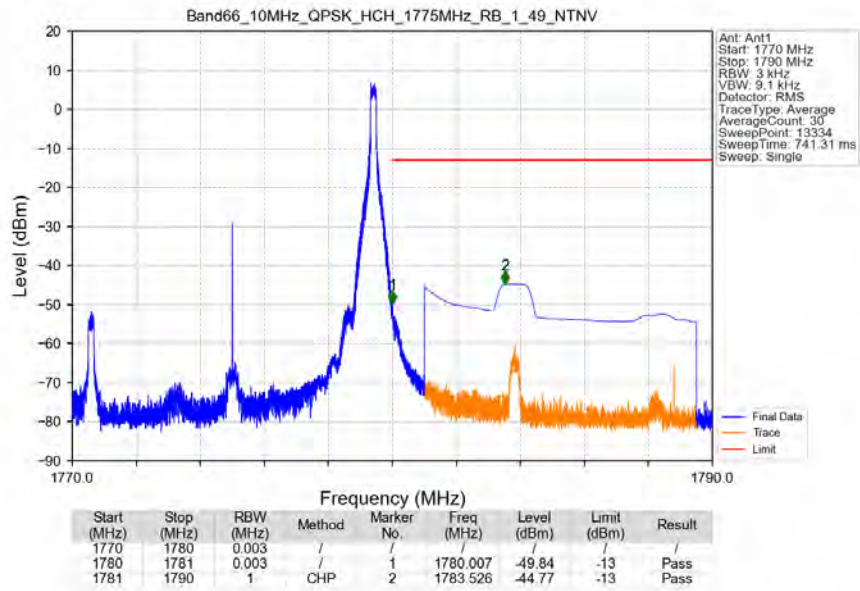
# Band66\_10MHz\_QPSK\_HCH\_1775MHz\_RB\_1\_0\_NTNV



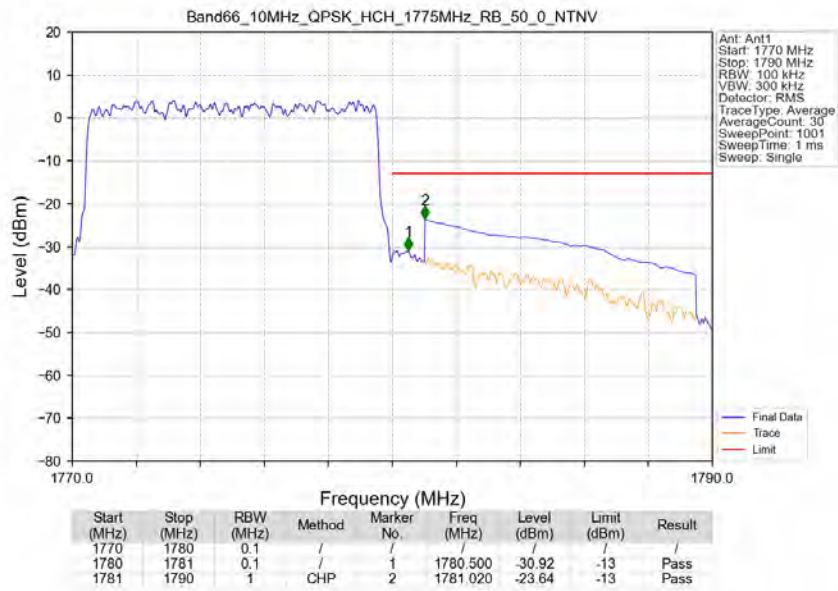
# Band66\_10MHz\_QPSK\_HCH\_1775MHz\_RB\_1\_0\_NTNV



# Band66\_10MHz\_QPSK\_HCH\_1775MHz\_RB\_1\_49\_NTNV

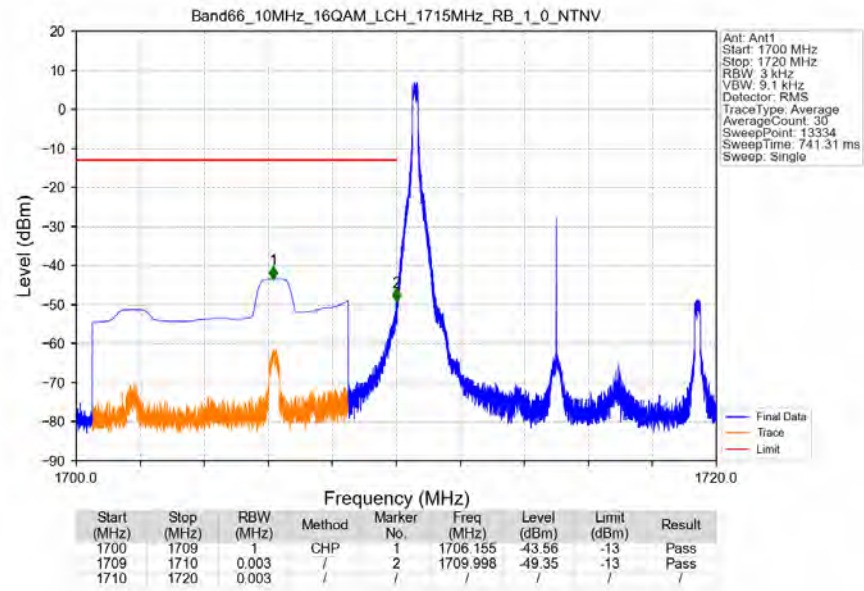


# Band66\_10MHz\_QPSK\_HCH\_1775MHz\_RB\_50\_0\_NTNV

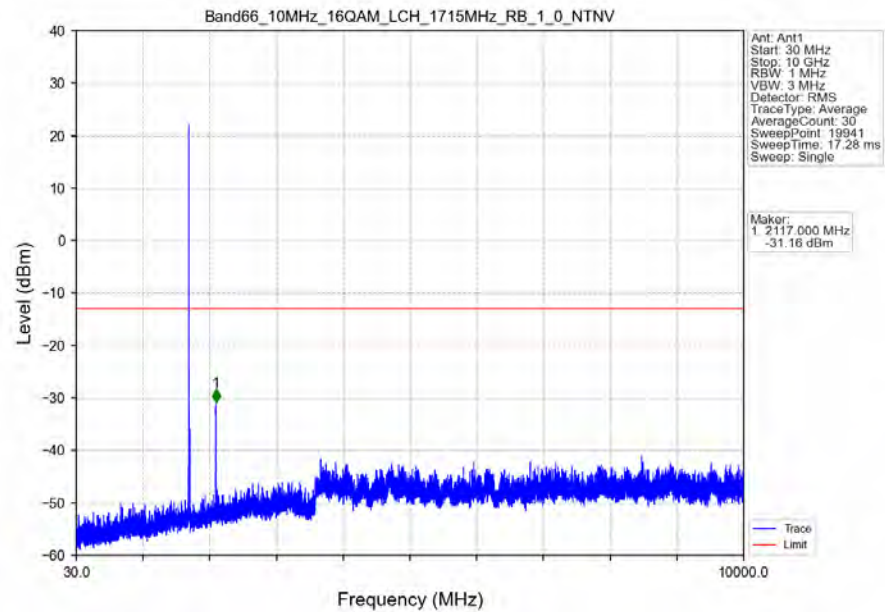




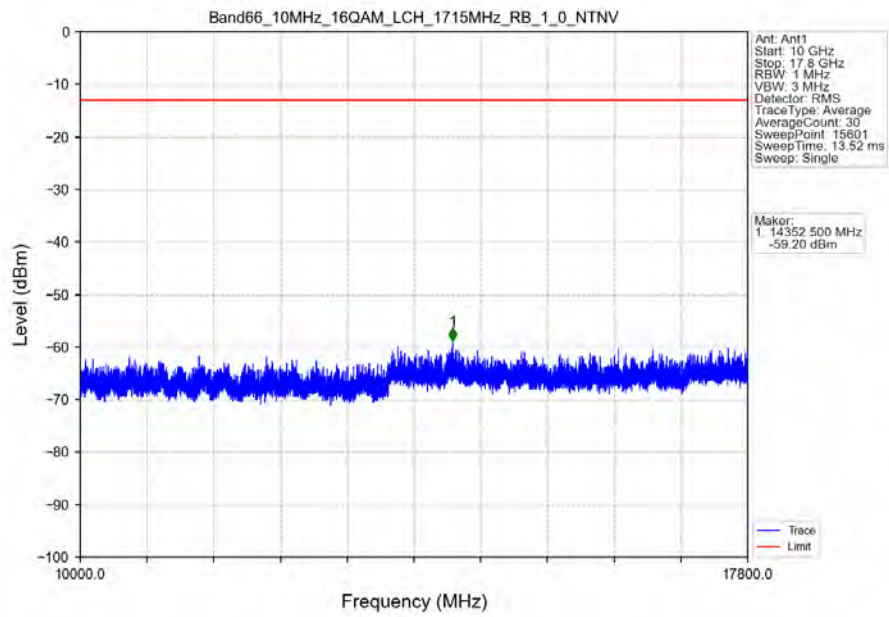
Band66\_10MHz\_16QAM\_LCH\_1715MHz\_RB\_1\_0\_NTNV



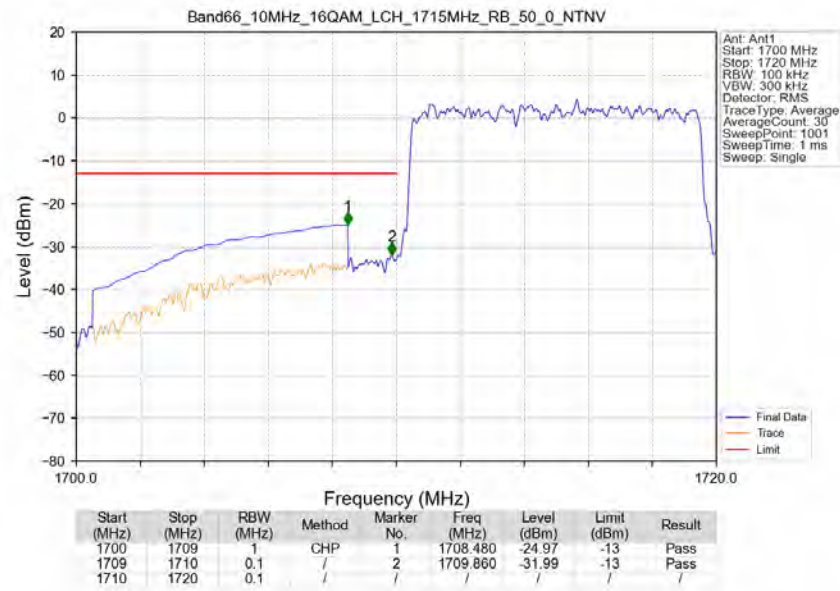
Band66\_10MHz\_16QAM\_LCH\_1715MHz\_RB\_1\_0\_NTNV



# Band66\_10MHz\_16QAM\_LCH\_1715MHz\_RB\_1\_0\_NTNV

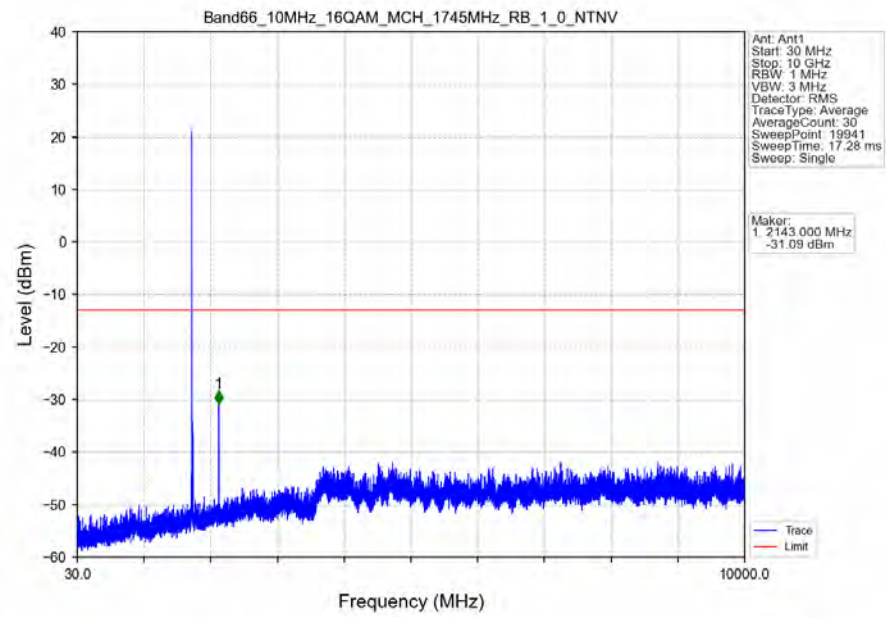


# Band66\_10MHz\_16QAM\_LCH\_1715MHz\_RB\_50\_0\_NTNV

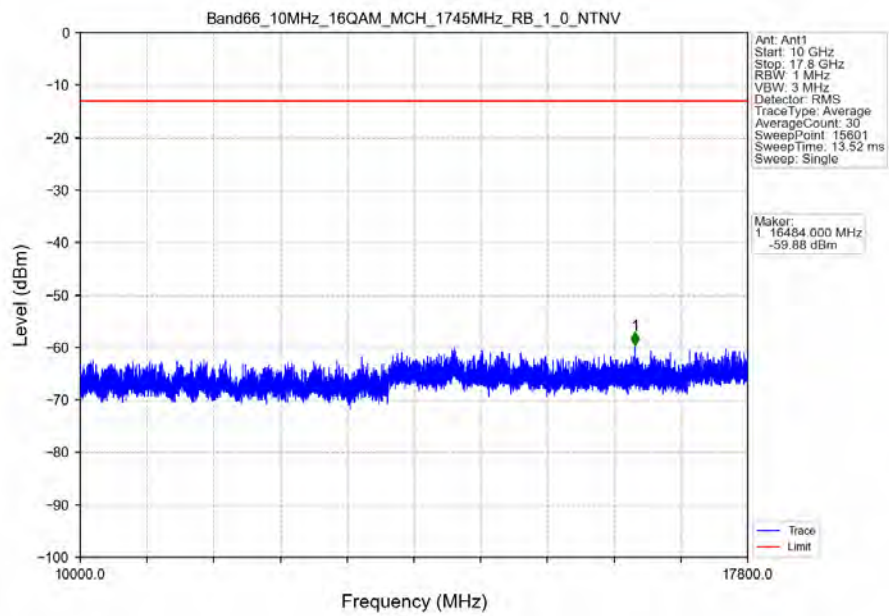




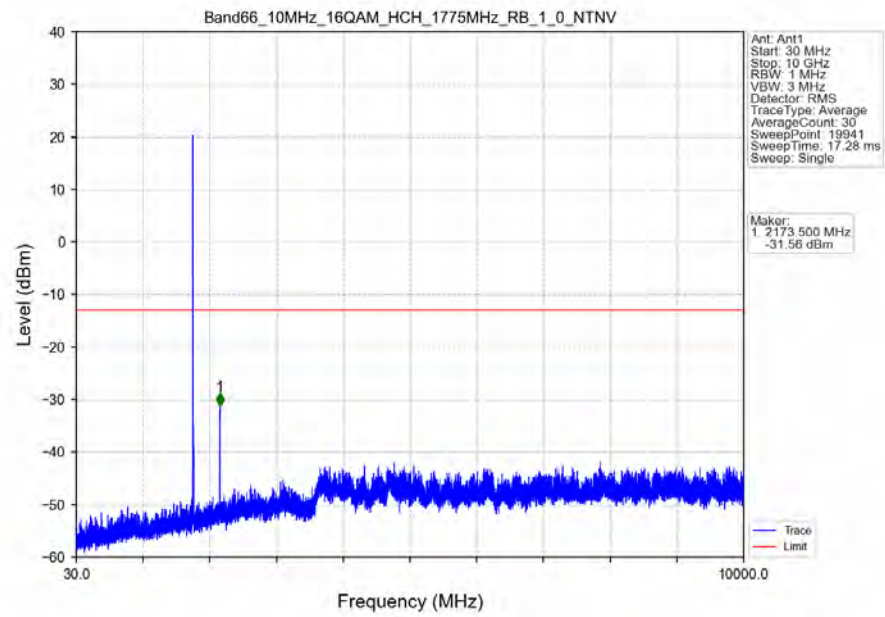
# Band66\_10MHz\_16QAM\_MCH\_1745MHz\_RB\_1\_0\_NTNV



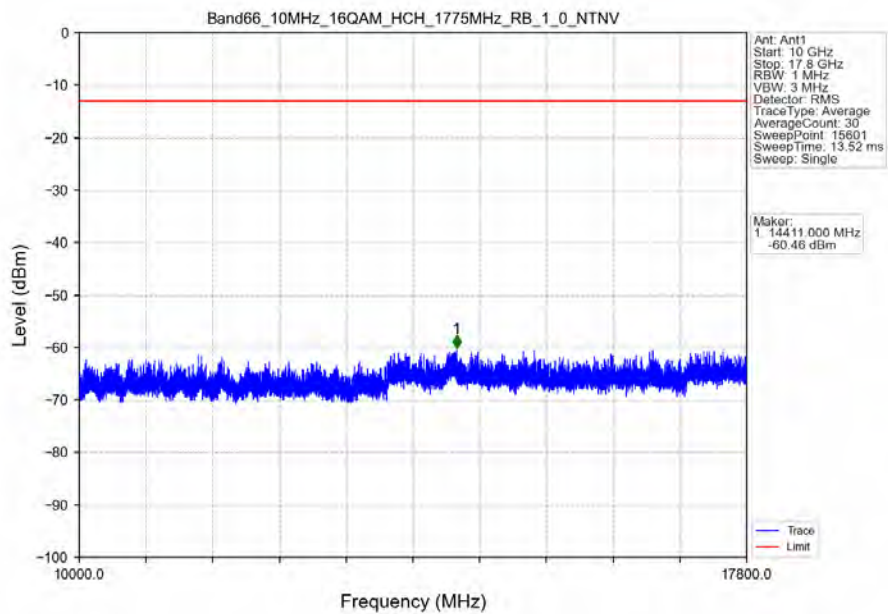
# Band66\_10MHz\_16QAM\_MCH\_1745MHz\_RB\_1\_0\_NTNV



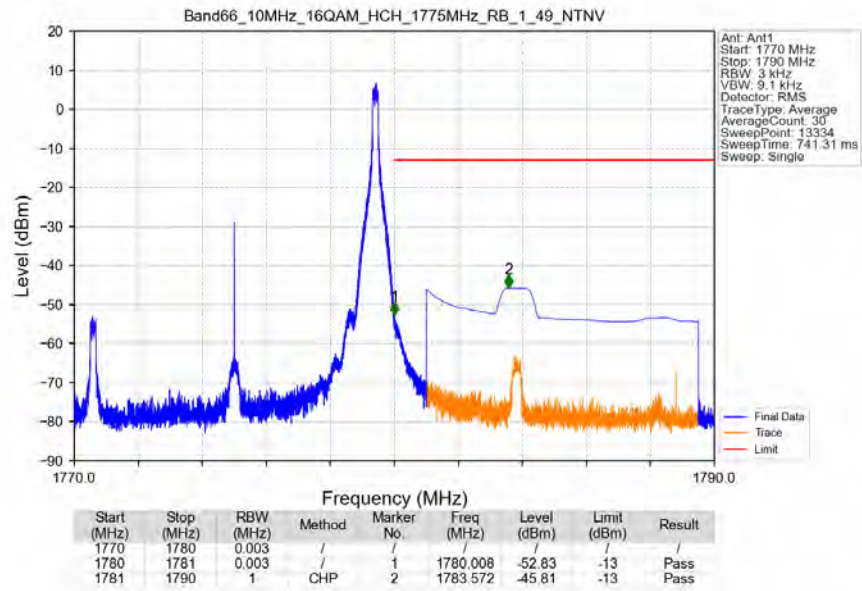
Band66\_10MHz\_16QAM\_HCH\_1775MHz\_RB\_1\_0\_NTNV



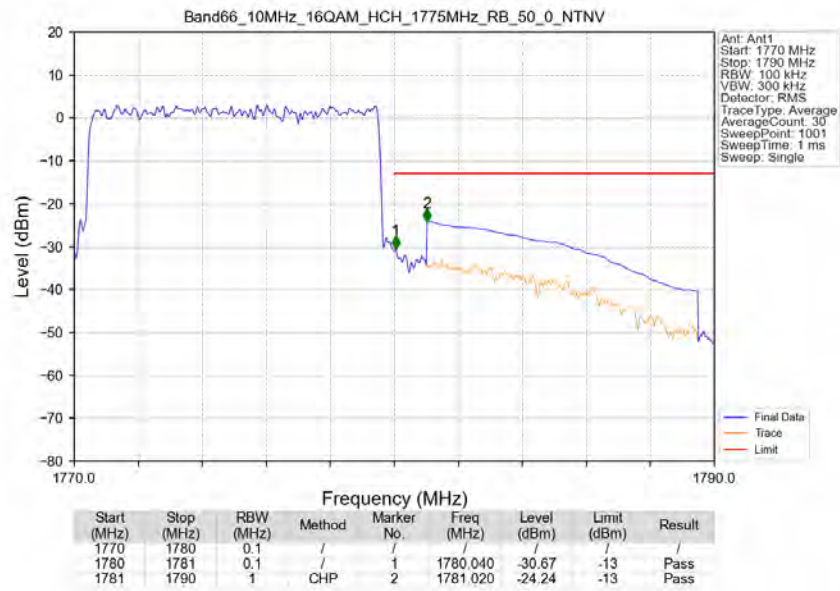
Band66\_10MHz\_16QAM\_HCH\_1775MHz\_RB\_1\_0\_NTNV



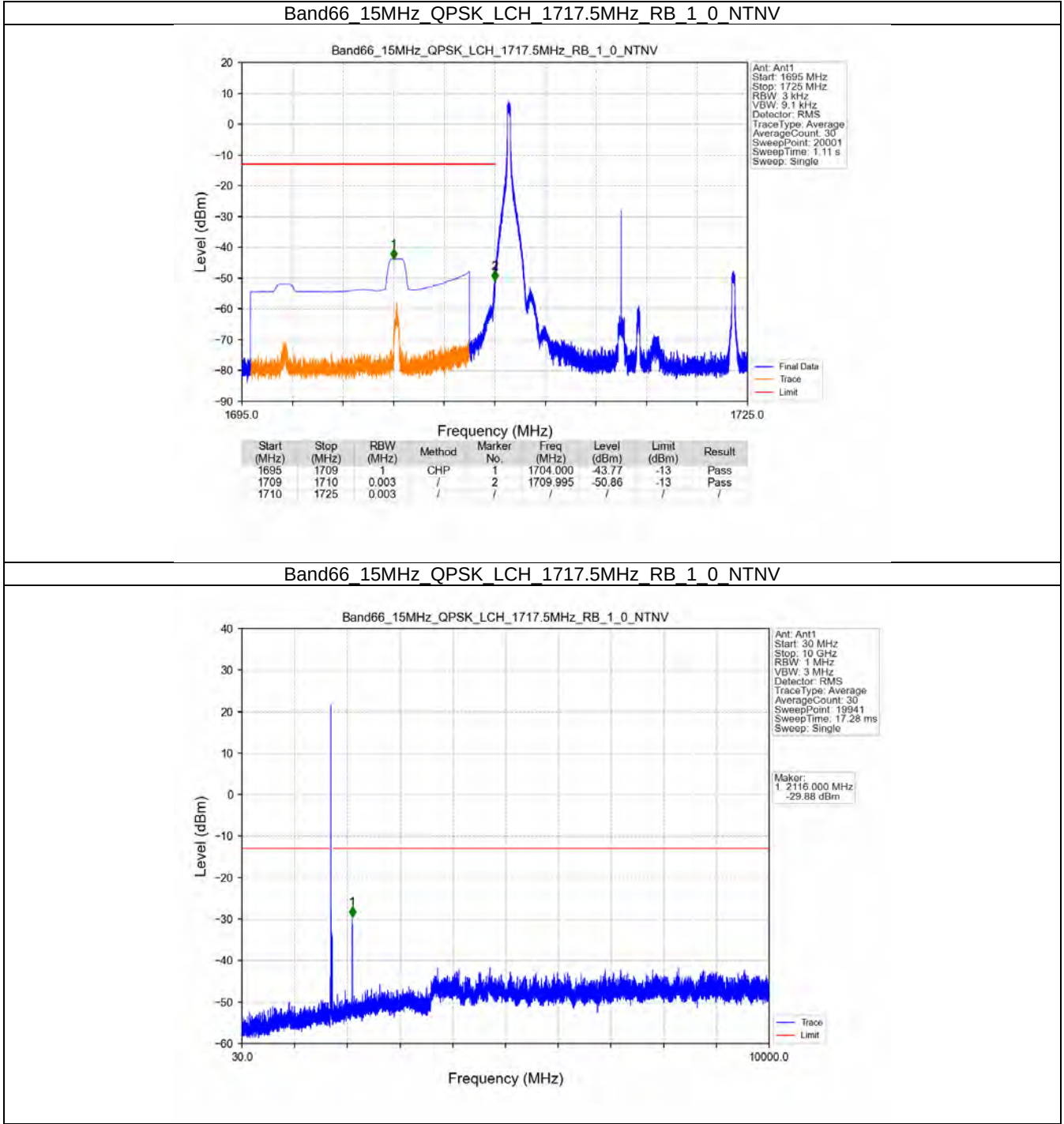
Band66 10MHz 16QAM HCH 1775MHz RB 1 49 NTNV



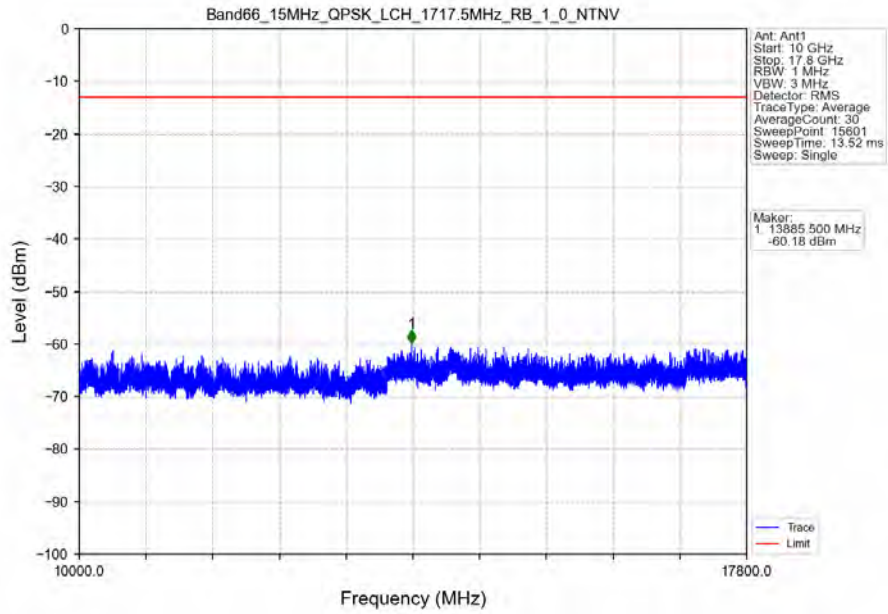
Band66 10MHz 16QAM HCH 1775MHz RB 50 0 NTNV



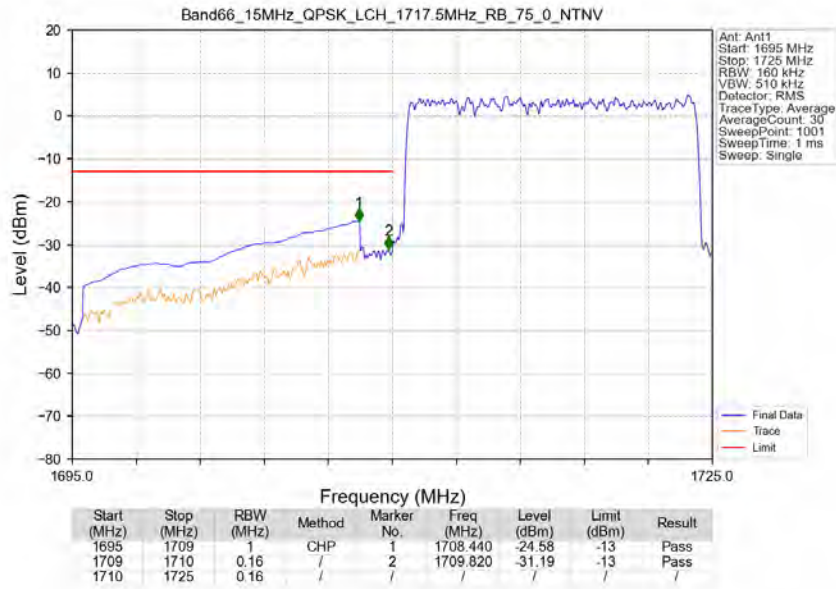
5.2.5 B66\_15MHz



# Band66\_15MHz\_QPSK\_LCH\_1717.5MHz\_RB\_1\_0\_NTNV

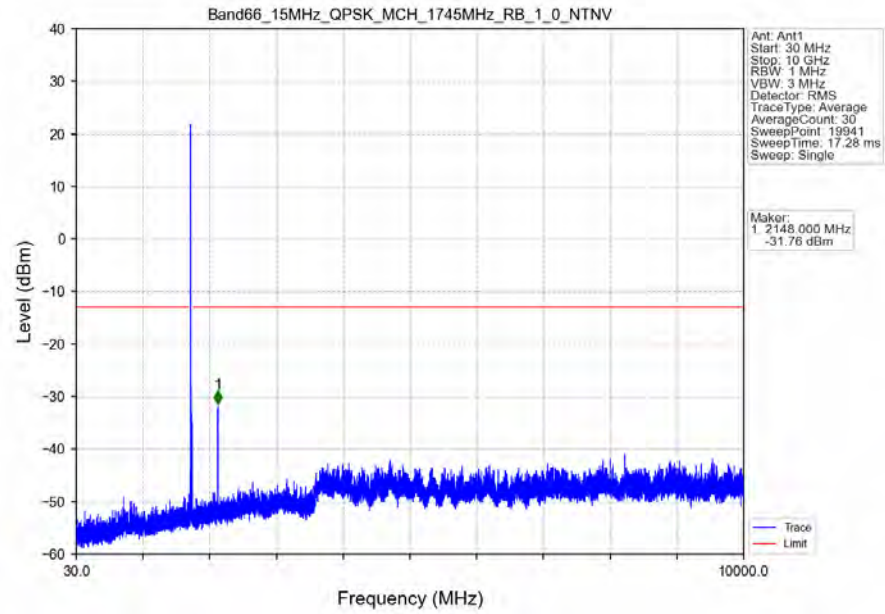


# Band66\_15MHz\_QPSK\_LCH\_1717.5MHz\_RB\_75\_0\_NTNV

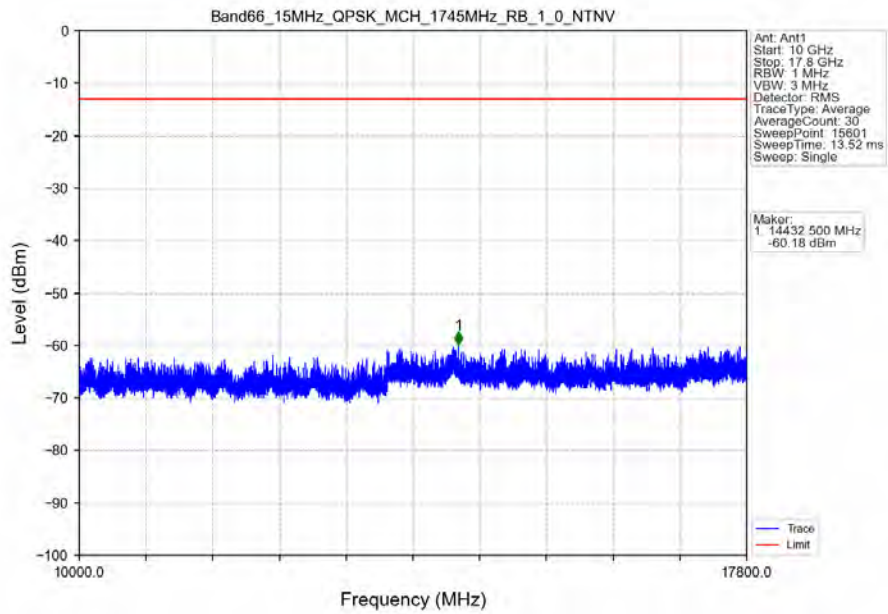




# Band66\_15MHz\_QPSK\_MCH\_1745MHz\_RB\_1\_0\_NTNV

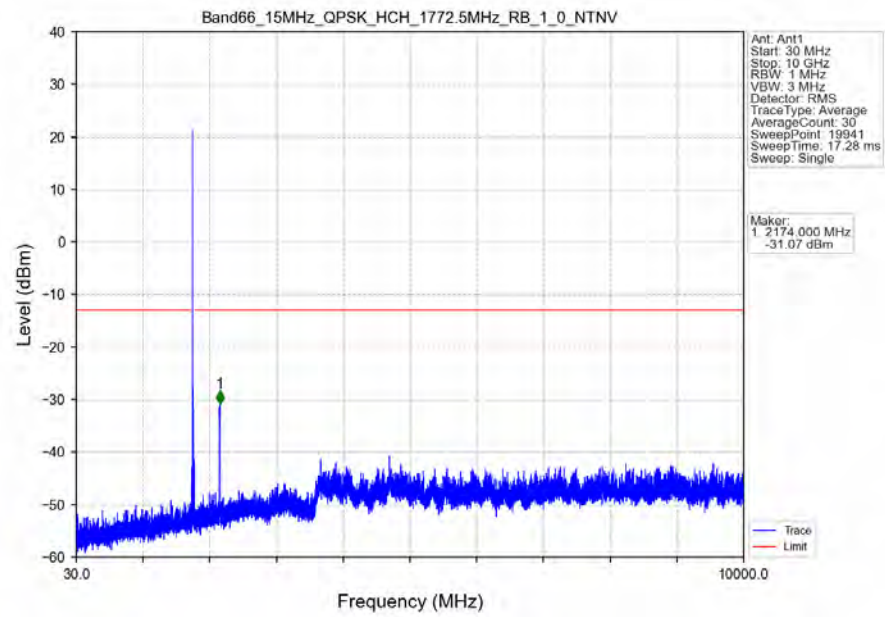


# Band66\_15MHz\_QPSK\_MCH\_1745MHz\_RB\_1\_0\_NTNV

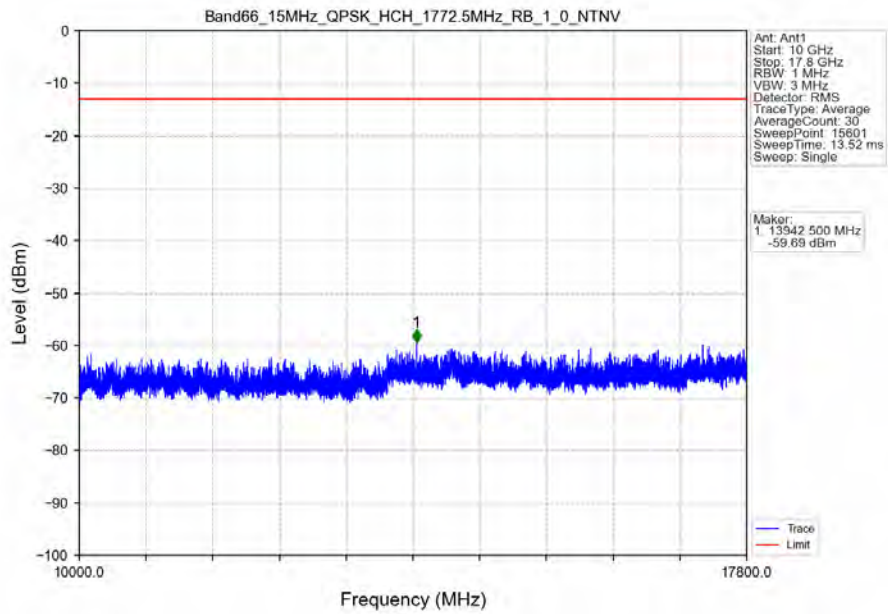




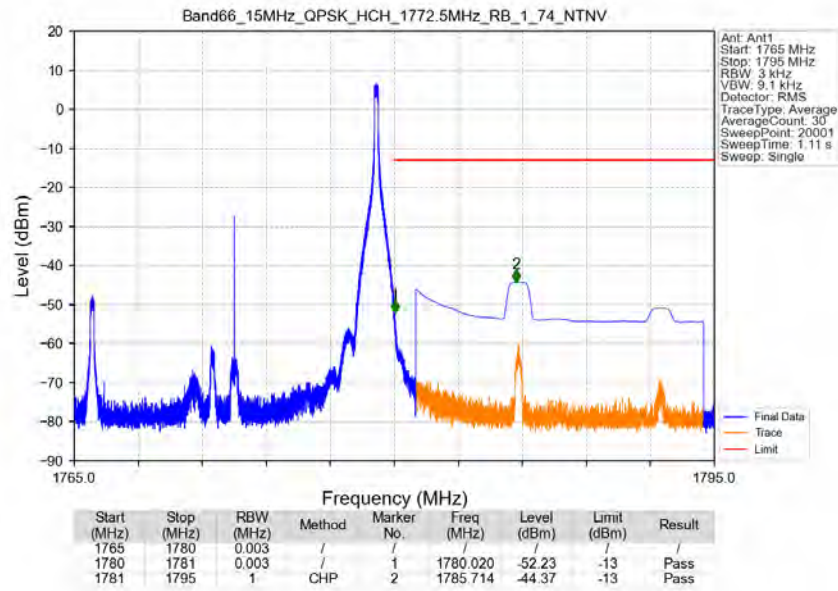
Band66\_15MHz\_QPSK\_HCH\_1772.5MHz\_RB\_1\_0\_NTNV



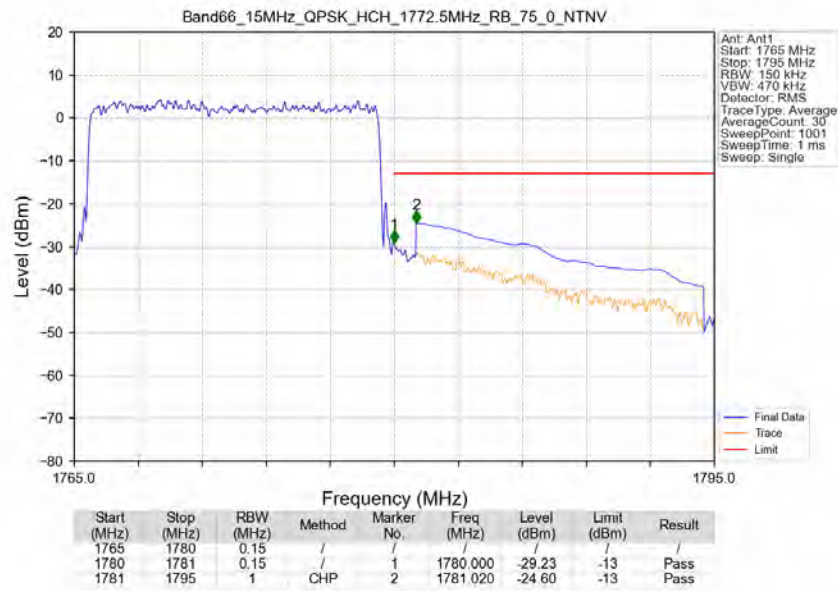
Band66\_15MHz\_QPSK\_HCH\_1772.5MHz\_RB\_1\_0\_NTNV



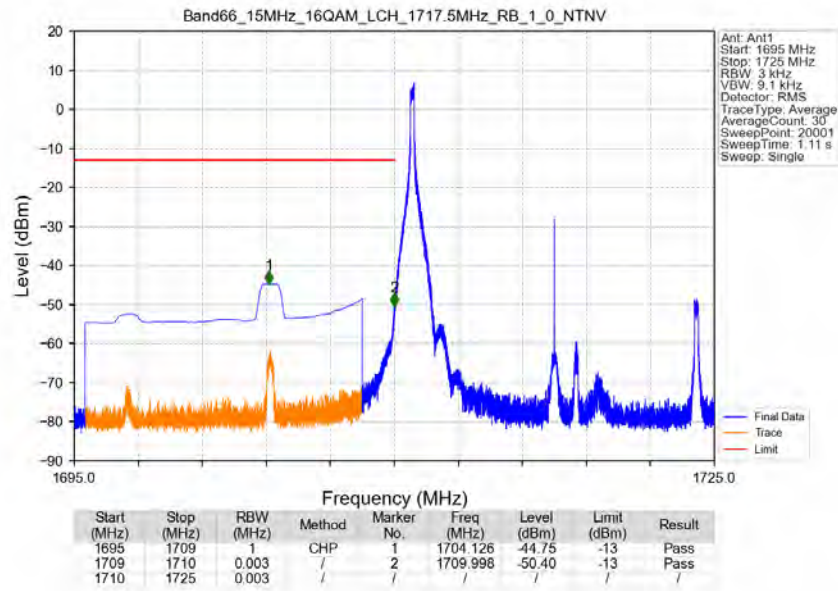
# Band66 15MHz QPSK HCH 1772.5MHz RB 1 74 NTN



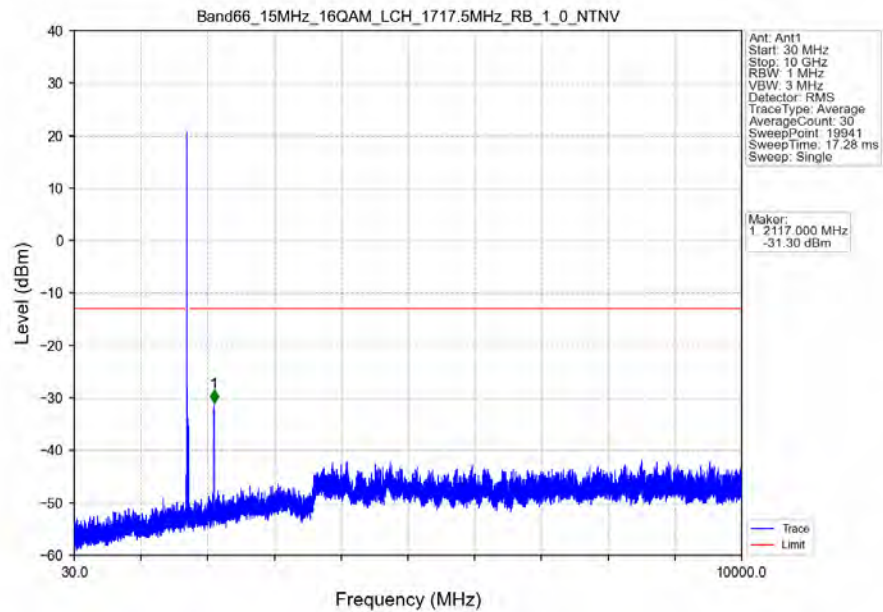
# Band66 15MHz QPSK HCH 1772.5MHz RB 75 0 NTN



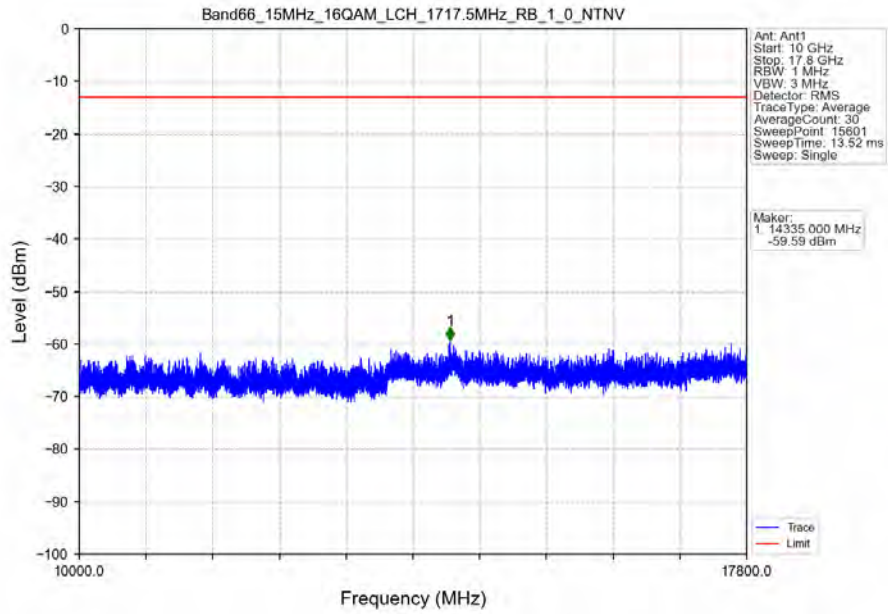
Band66\_15MHz\_16QAM\_LCH\_1717.5MHz\_RB\_1\_0\_NTNV



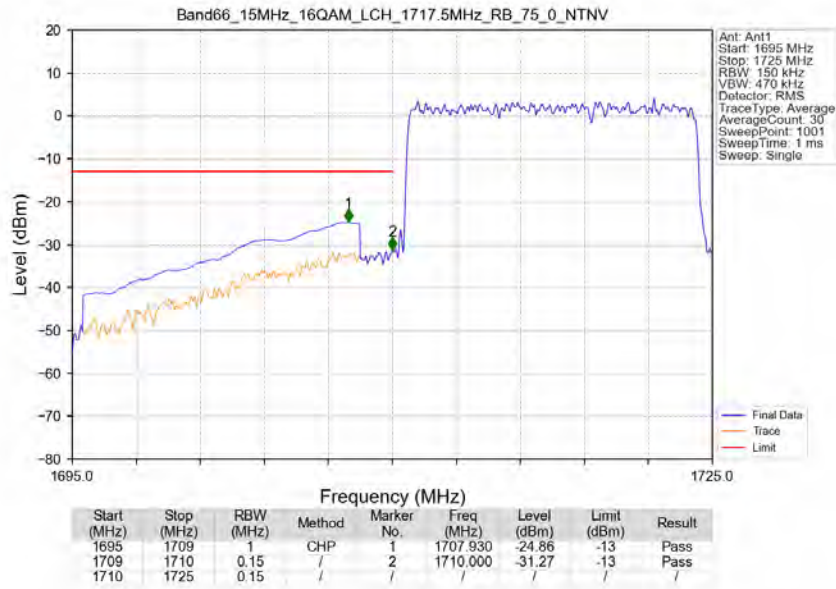
Band66\_15MHz\_16QAM\_LCH\_1717.5MHz\_RB\_1\_0\_NTNV



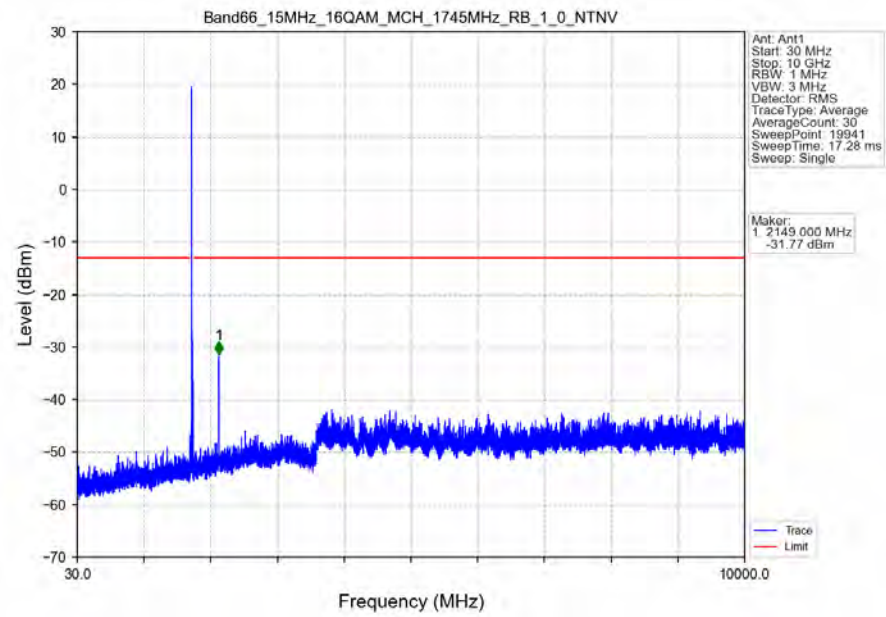
Band66 15MHz 16QAM LCH 1717.5MHz RB 1 0 NTNV



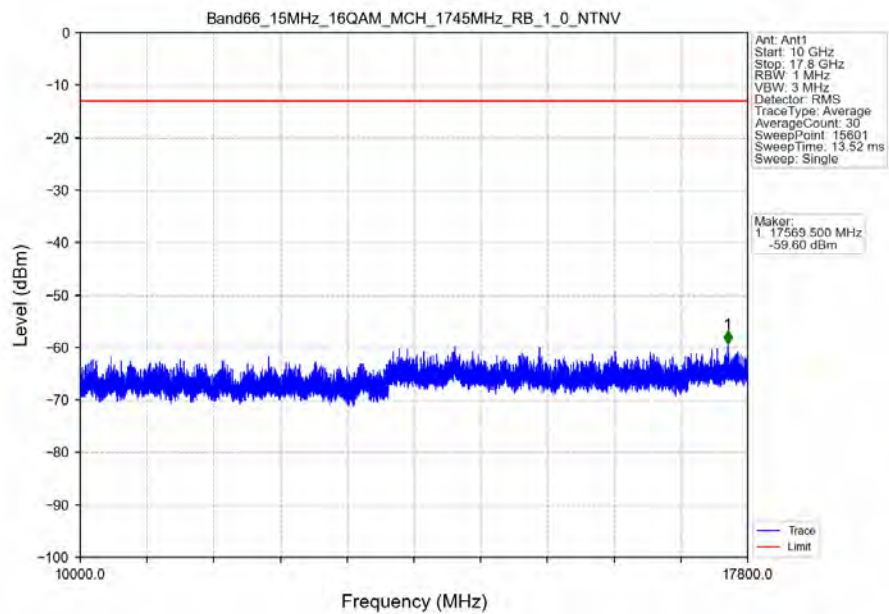
Band66 15MHz 16QAM LCH 1717.5MHz RB 75 0 NTNV



Band66\_15MHz\_16QAM\_MCH\_1745MHz\_RB\_1\_0\_NTNV

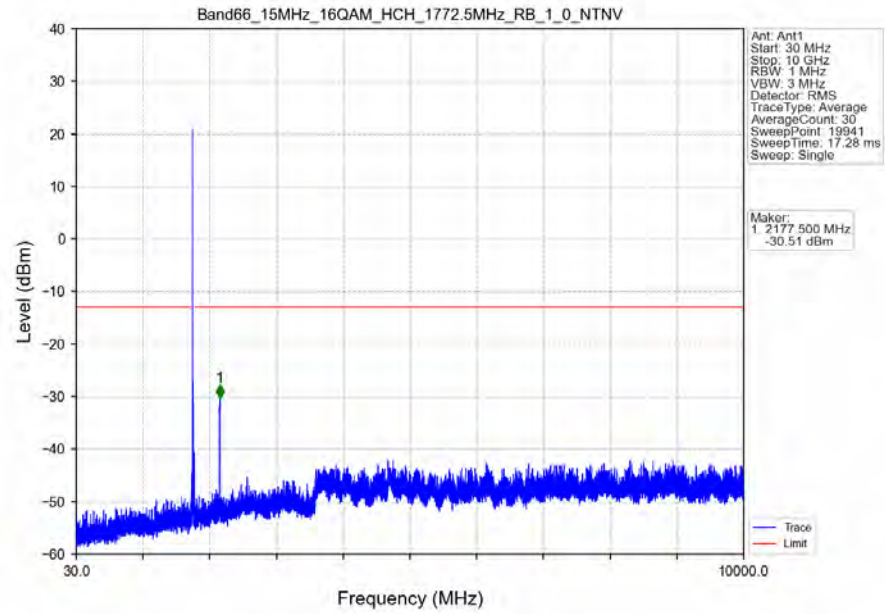


Band66\_15MHz\_16QAM\_MCH\_1745MHz\_RB\_1\_0\_NTNV

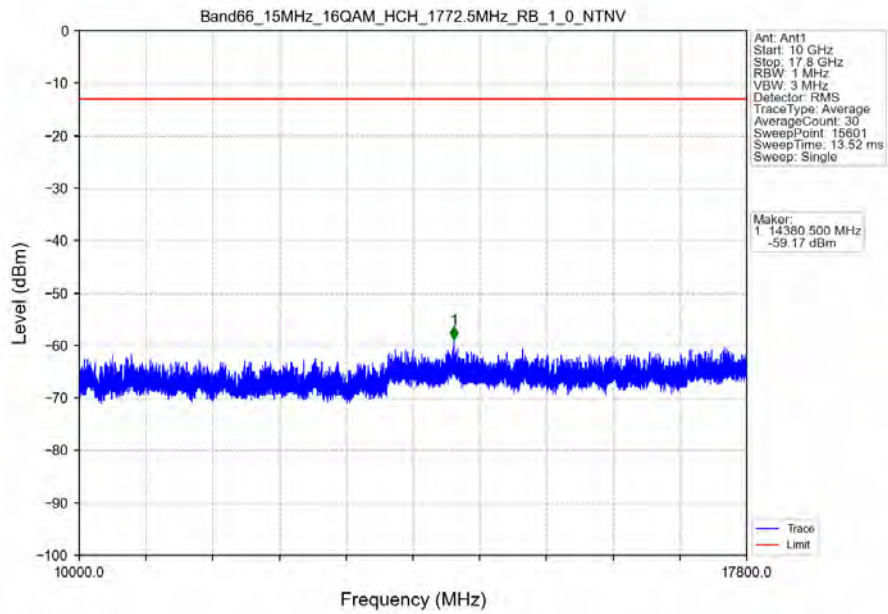




Band66\_15MHz\_16QAM\_HCH\_1772.5MHz\_RB\_1\_0\_NTNV

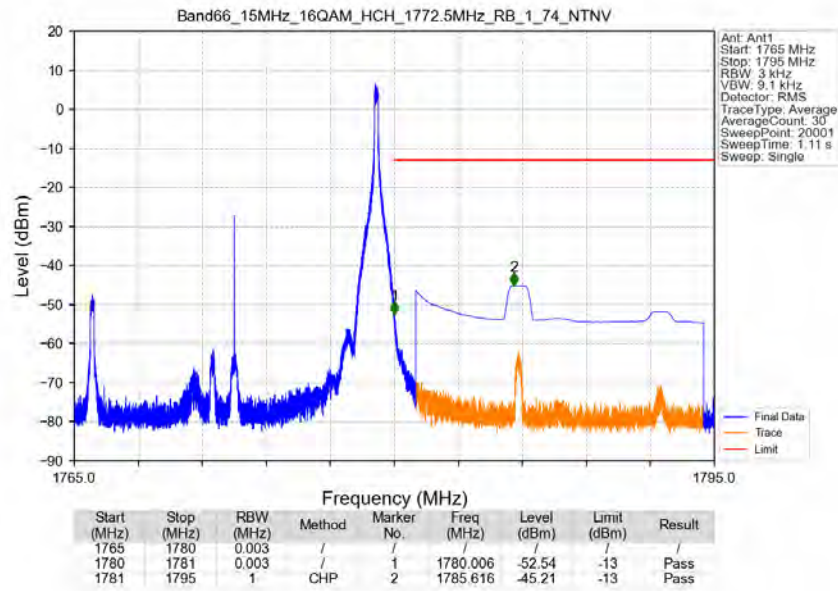


Band66\_15MHz\_16QAM\_HCH\_1772.5MHz\_RB\_1\_0\_NTNV

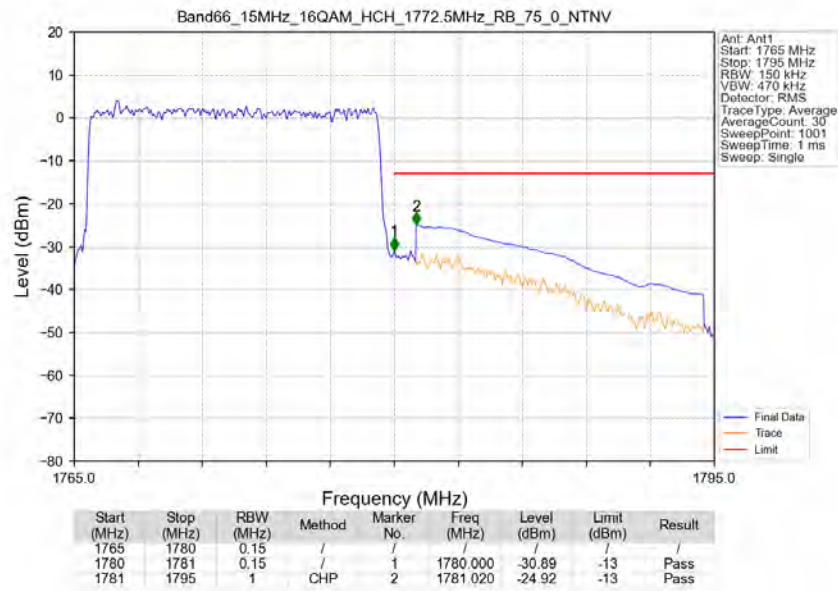




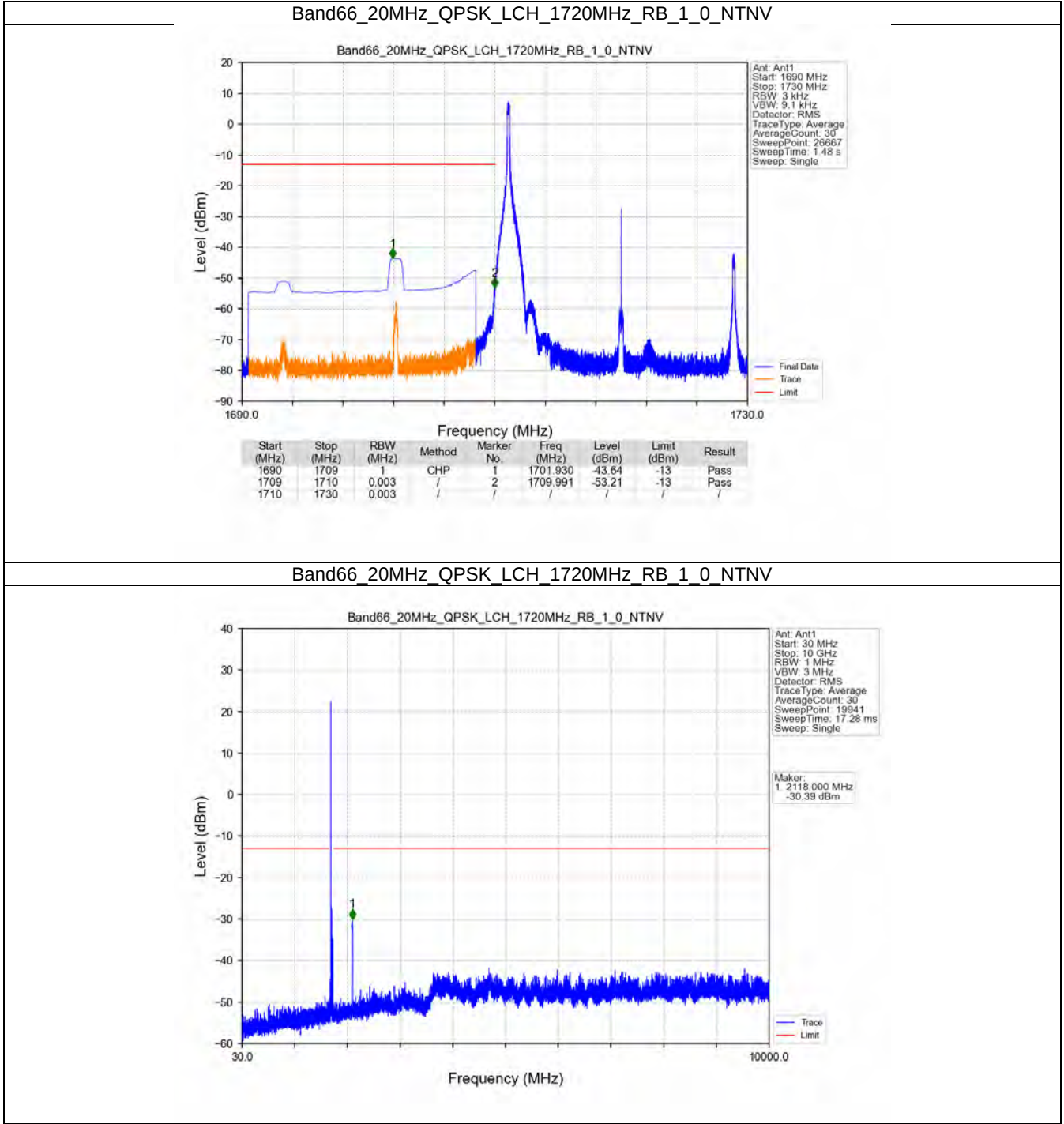
Band66\_15MHz\_16QAM\_HCH\_1772.5MHz\_RB\_1\_74\_NTNV



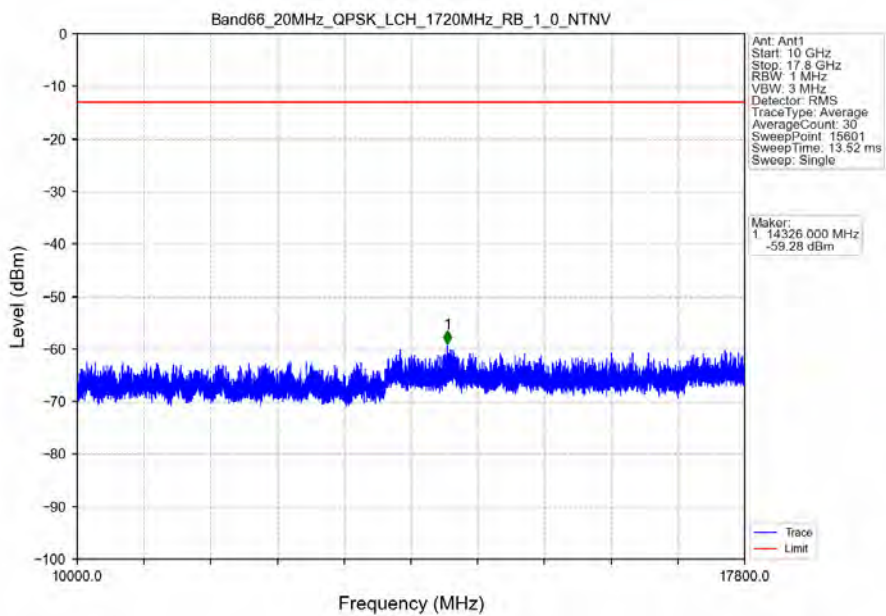
Band66\_15MHz\_16QAM\_HCH\_1772.5MHz\_RB\_75\_0\_NTNV



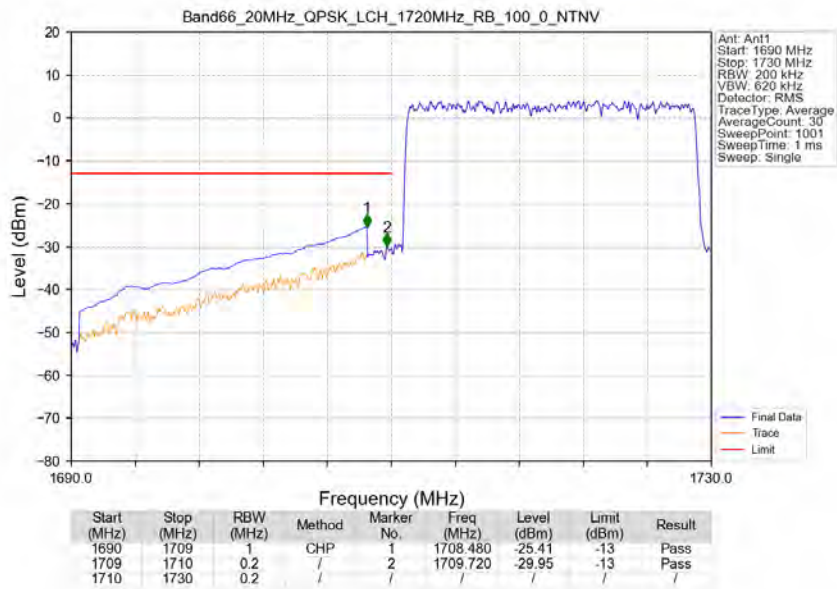
5.2.6 B66\_20MHz



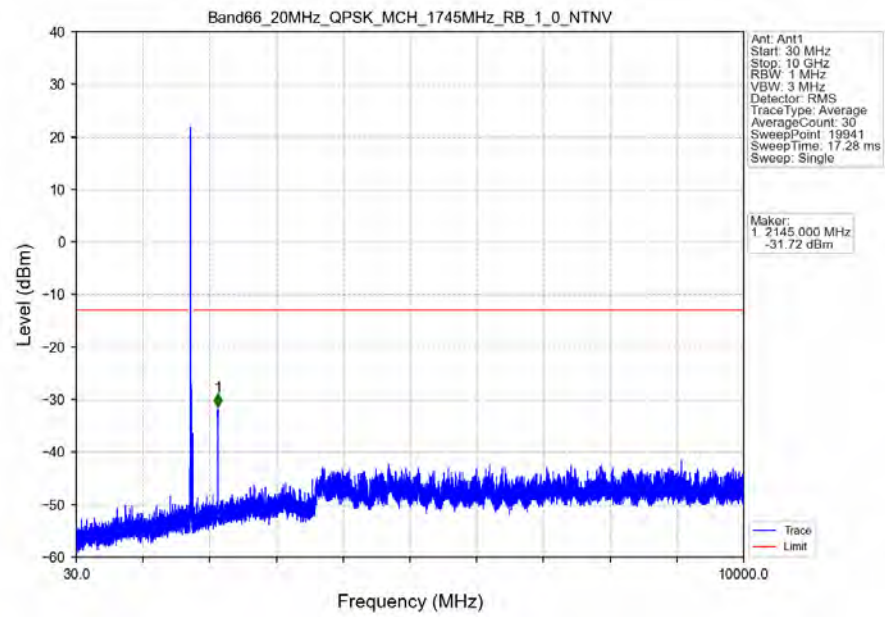
Band66 20MHz QPSK LCH 1720MHz RB 1 0 NTN



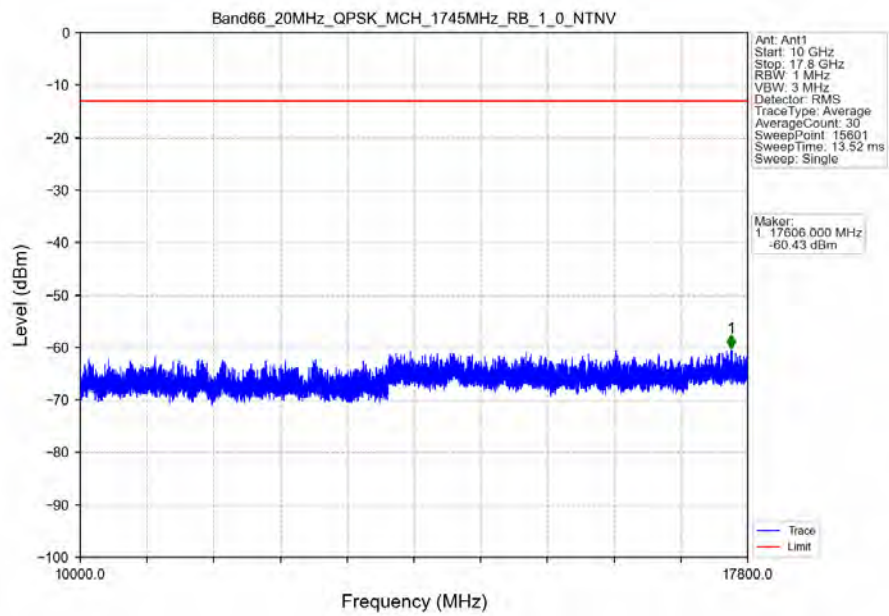
Band66 20MHz QPSK LCH 1720MHz RB 100 0 NTN



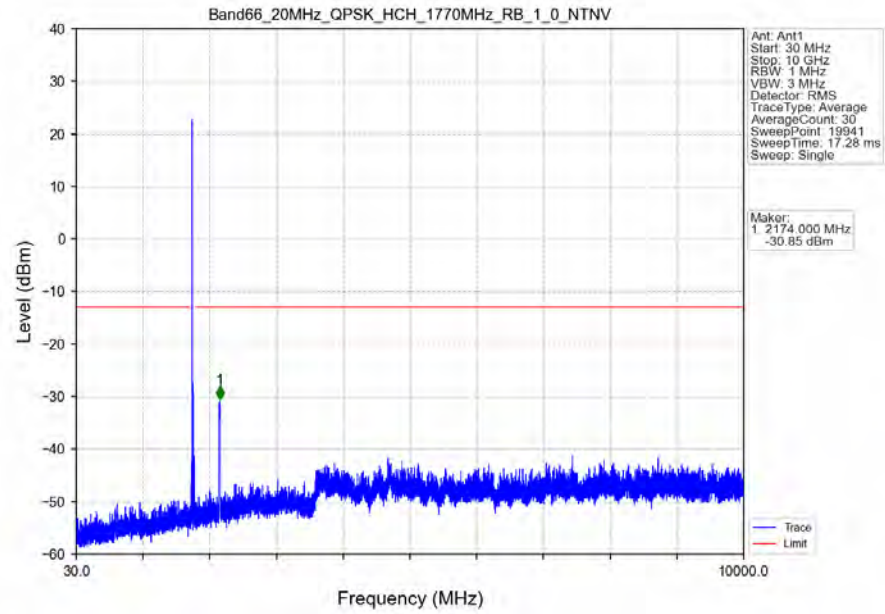
# Band66\_20MHz\_QPSK\_MCH\_1745MHz\_RB\_1\_0\_NTNV



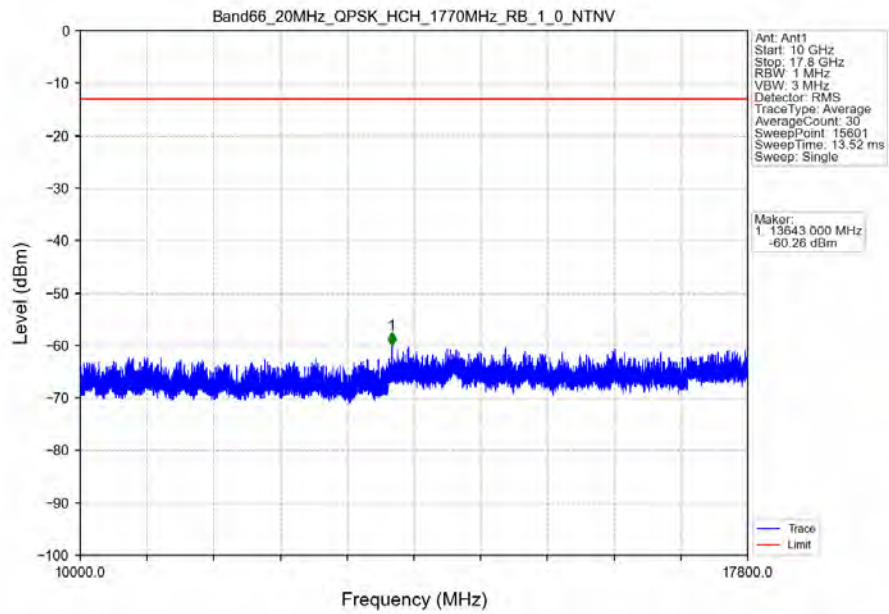
# Band66\_20MHz\_QPSK\_MCH\_1745MHz\_RB\_1\_0\_NTNV



# Band66 20MHz QPSK HCH 1770MHz RB 1 0 NTNV

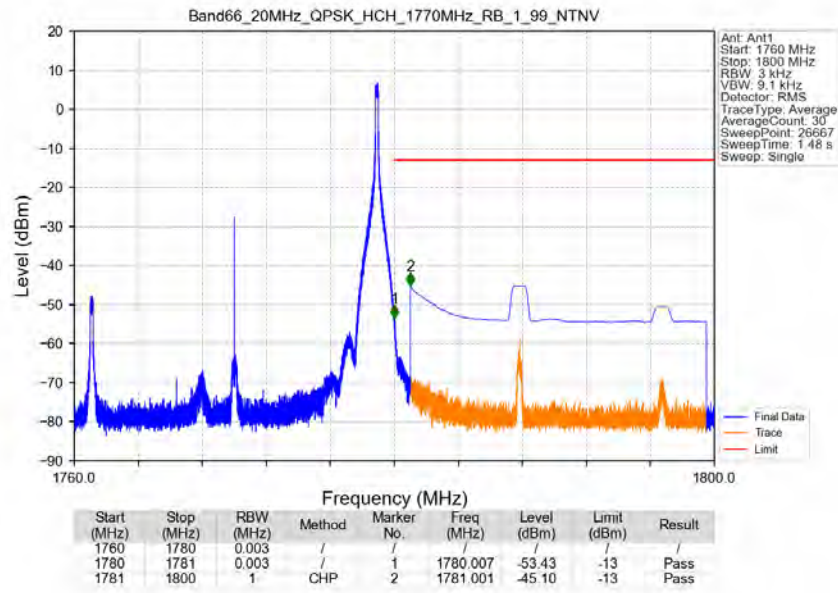


# Band66 20MHz QPSK HCH 1770MHz RB 1 0 NTNV

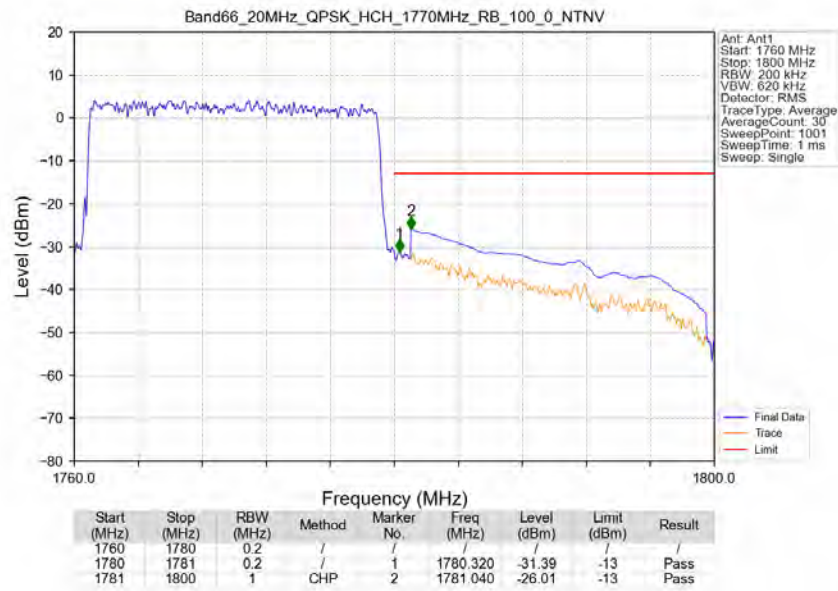




# Band66\_20MHz\_QPSK\_HCH\_1770MHz\_RB\_1\_99\_NTNV

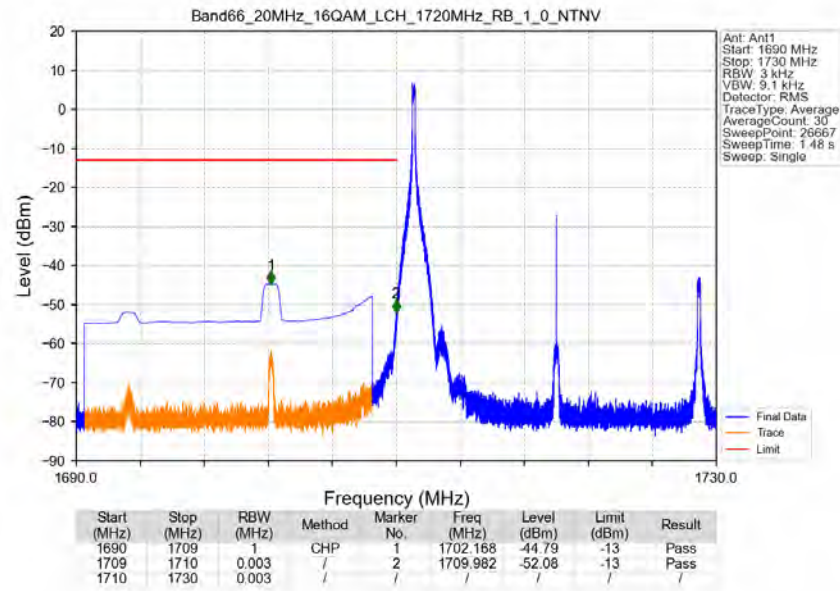


# Band66\_20MHz\_QPSK\_HCH\_1770MHz\_RB\_100\_0\_NTNV

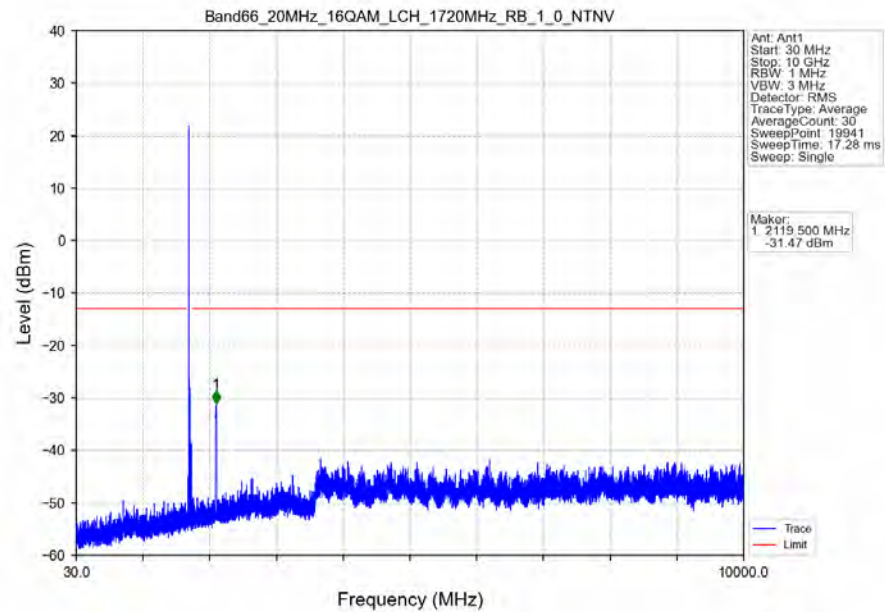




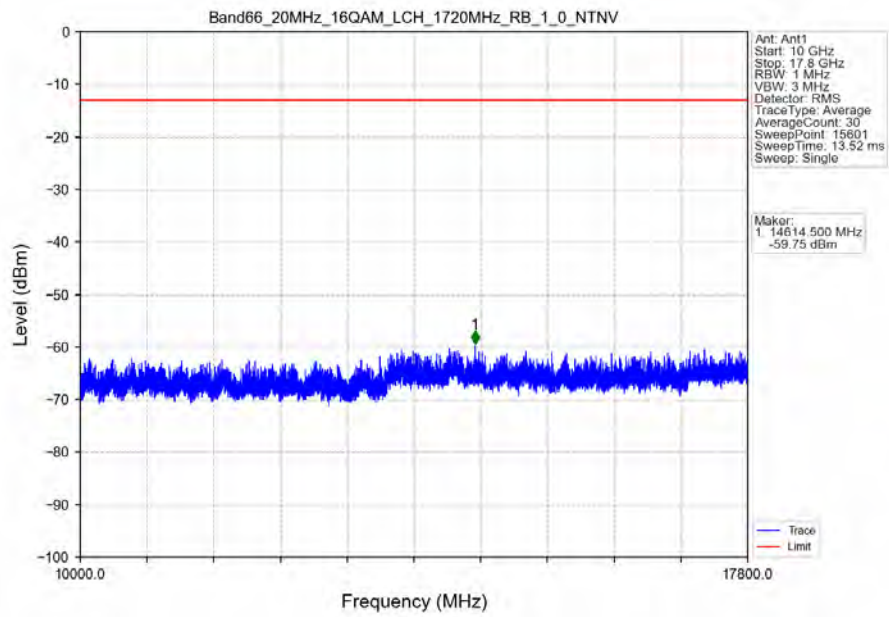
Band66\_20MHz\_16QAM\_LCH\_1720MHz\_RB\_1\_0\_NTNV



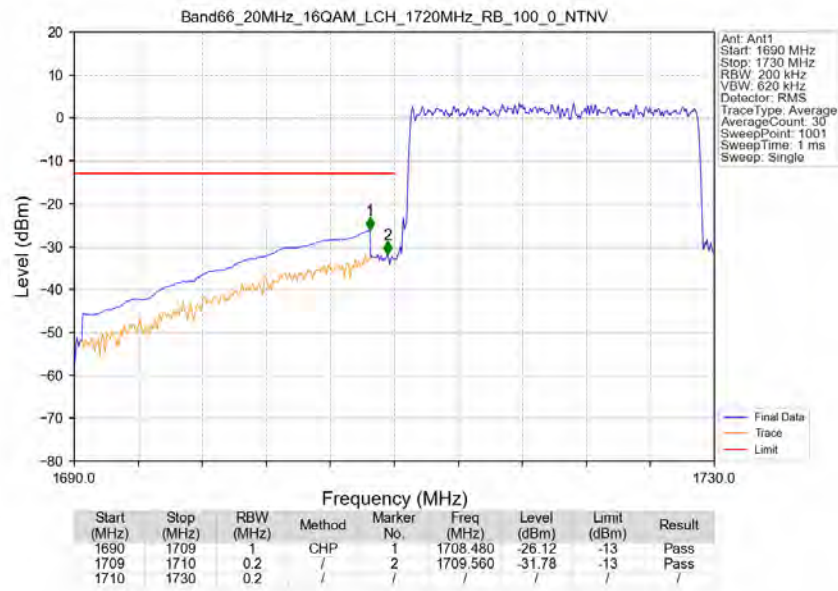
Band66\_20MHz\_16QAM\_LCH\_1720MHz\_RB\_1\_0\_NTNV



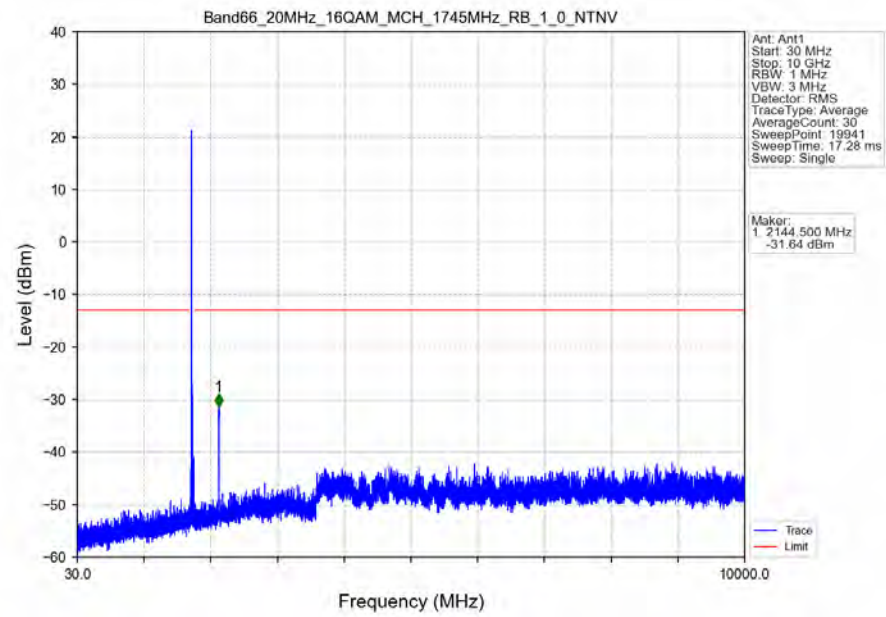
# Band66\_20MHz\_16QAM\_LCH\_1720MHz\_RB\_1\_0\_NTNV



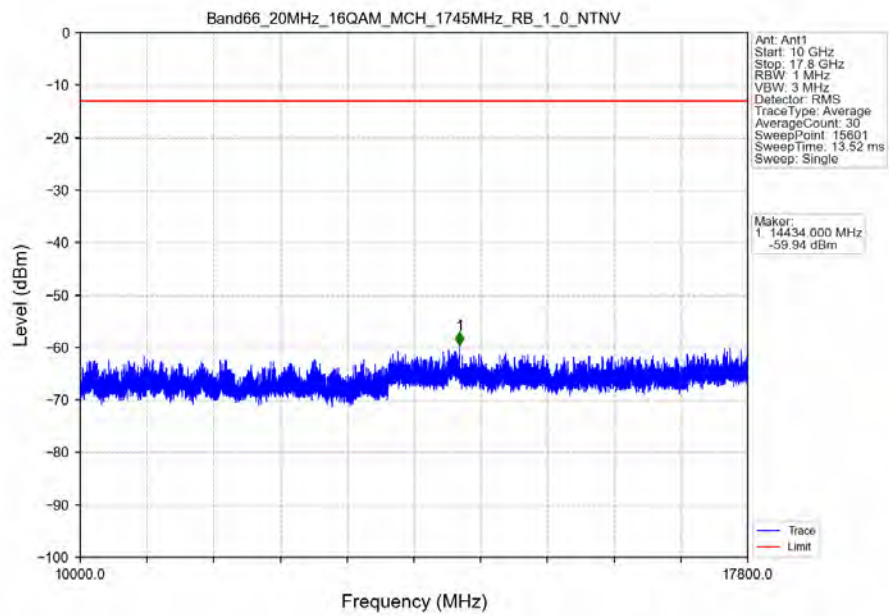
# Band66\_20MHz\_16QAM\_LCH\_1720MHz\_RB\_100\_0\_NTNV



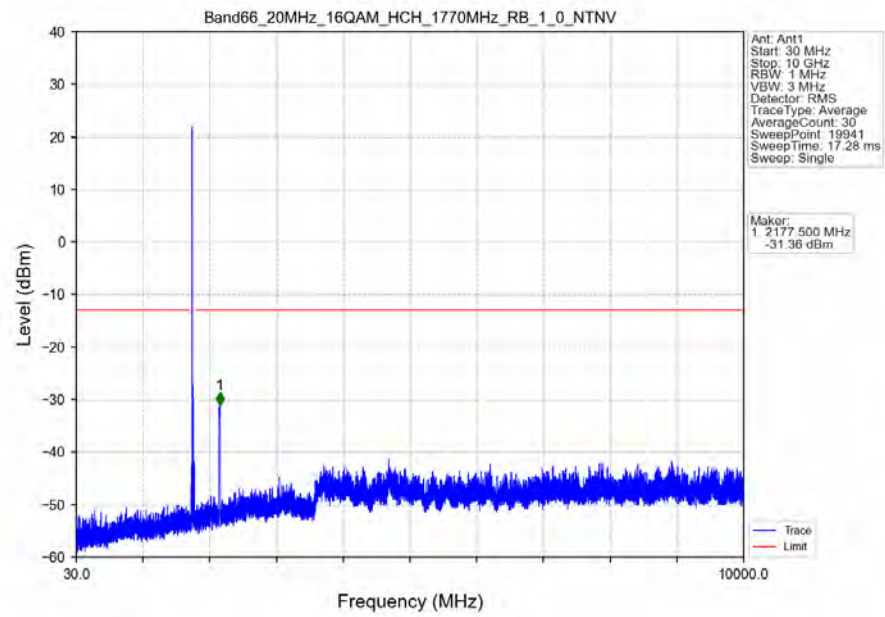
Band66\_20MHz\_16QAM\_MCH\_1745MHz\_RB\_1\_0\_NTNV



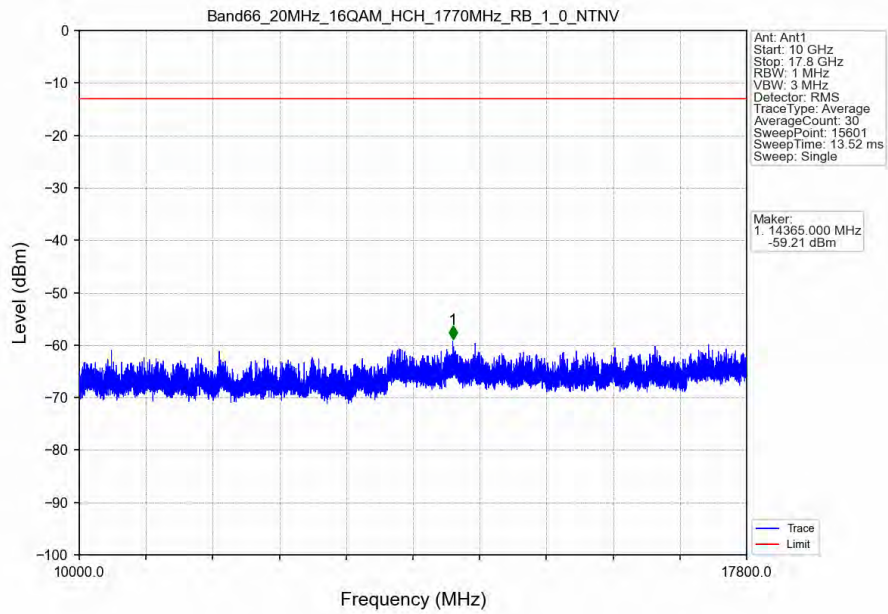
Band66\_20MHz\_16QAM\_MCH\_1745MHz\_RB\_1\_0\_NTNV



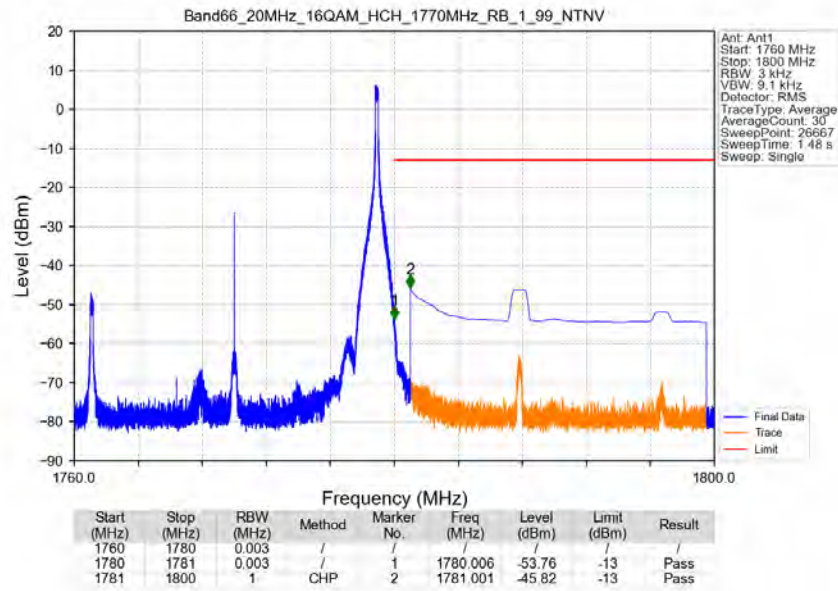
# Band66\_20MHz\_16QAM\_HCH\_1770MHz\_RB\_1\_0\_NTNV



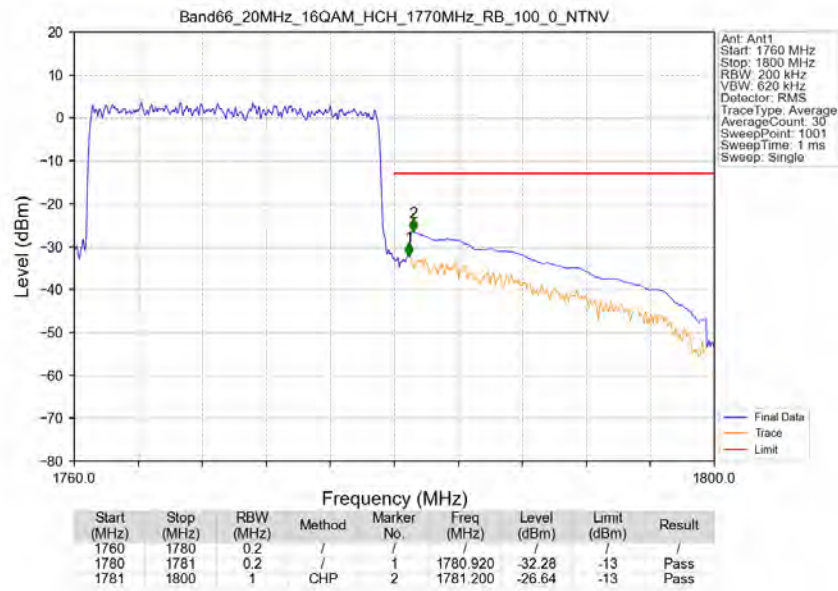
# Band66\_20MHz\_16QAM\_HCH\_1770MHz\_RB\_1\_0\_NTNV



# Band66 20MHz 16QAM HCH 1770MHz RB 1\_99 NTNV



# Band66\_20MHz\_16QAM\_HCH\_1770MHz\_RB\_100\_0\_NTNV



## 6. Field Strength of Spurious Radiation

| LTE Band 66-Low channel, Modulation: QPSK, Bandwidth:20MHz, 1RB#0 |            |             |                 |                  |                 |                    |                    |        |
|-------------------------------------------------------------------|------------|-------------|-----------------|------------------|-----------------|--------------------|--------------------|--------|
| Frequency (MHz)                                                   | EIRP (dBm) | Limit (dBm) | Over Limit (dB) | S.G. Power (dBm) | Cable Loss (dB) | Antenna Gain (dBi) | Polarization (H/V) | Result |
| 3422.0                                                            | -60.78     | -13         | -47.78          | -65.52           | 3.24            | 7.98               | Horizontal         | Pass   |
| 5133.0                                                            | -59.34     | -13         | -46.34          | -65.31           | 4.25            | 10.22              | Horizontal         | Pass   |
| 6844.0                                                            | -57.32     | -13         | -44.32          | -64.06           | 4.19            | 10.93              | Horizontal         | Pass   |
| 3422.0                                                            | -60.81     | -13         | -47.81          | -65.55           | 3.24            | 7.98               | Vertical           | Pass   |
| 5133.0                                                            | -58.88     | -13         | -45.88          | -64.85           | 4.25            | 10.22              | Vertical           | Pass   |
| 6844.0                                                            | -57.93     | -13         | -44.93          | -64.67           | 4.19            | 10.93              | Vertical           | Pass   |

| LTE Band 66-Middle channel, Modulation: QPSK, Bandwidth:20MHz, 1RB#0 |            |             |                 |                  |                 |                    |                    |        |
|----------------------------------------------------------------------|------------|-------------|-----------------|------------------|-----------------|--------------------|--------------------|--------|
| Frequency (MHz)                                                      | EIRP (dBm) | Limit (dBm) | Over Limit (dB) | S.G. Power (dBm) | Cable Loss (dB) | Antenna Gain (dBi) | Polarization (H/V) | Result |
| 3472.0                                                               | -61.94     | -13         | -48.94          | -66.77           | 3.27            | 8.1                | Horizontal         | Pass   |
| 5208.0                                                               | -58.65     | -13         | -45.65          | -64.67           | 4.25            | 10.27              | Horizontal         | Pass   |
| 6944.0                                                               | -57.42     | -13         | -44.42          | -64.29           | 4.19            | 11.06              | Horizontal         | Pass   |
| 3472.0                                                               | -60.78     | -13         | -47.78          | -65.61           | 3.27            | 8.1                | Vertical           | Pass   |
| 5208.0                                                               | -58.21     | -13         | -45.21          | -64.23           | 4.25            | 10.27              | Vertical           | Pass   |
| 6944.0                                                               | -55.87     | -13         | -42.87          | -62.74           | 4.19            | 11.06              | Vertical           | Pass   |

| LTE Band 66-High channel, Modulation: QPSK, Bandwidth:20MHz, 1RB#0 |            |             |                 |                  |                 |                    |                    |        |
|--------------------------------------------------------------------|------------|-------------|-----------------|------------------|-----------------|--------------------|--------------------|--------|
| Frequency (MHz)                                                    | EIRP (dBm) | Limit (dBm) | Over Limit (dB) | S.G. Power (dBm) | Cable Loss (dB) | Antenna Gain (dBi) | Polarization (H/V) | Result |
| 3522.0                                                             | -60.78     | -13         | -47.78          | -65.68           | 3.3             | 8.2                | Horizontal         | Pass   |
| 5283.0                                                             | -58.55     | -13         | -45.55          | -64.62           | 4.25            | 10.32              | Horizontal         | Pass   |
| 7044.0                                                             | -55.84     | -13         | -42.84          | -62.83           | 4.19            | 11.18              | Horizontal         | Pass   |
| 3522.0                                                             | -59.61     | -13         | -46.61          | -64.51           | 3.3             | 8.2                | Vertical           | Pass   |
| 5283.0                                                             | -58.09     | -13         | -45.09          | -64.16           | 4.25            | 10.32              | Vertical           | Pass   |
| 7044.0                                                             | -54.93     | -13         | -41.93          | -61.92           | 4.19            | 11.18              | Vertical           | Pass   |