

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

## 1.1 Test Result

## 1.1.1 15\_S\_5M\_NTNV\_ERP

| 5G NR n71 SCS=15kHz SISO 5MHz NTN |                 |                 |                      |      |     |          |      |     |         |         |
|-----------------------------------|-----------------|-----------------|----------------------|------|-----|----------|------|-----|---------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation   | Conducted Power(dBm) |      |     | ERP(dBm) |      |     |         | Verdict |
|                                   |                 |                 | Ant0                 | Ant2 | Sum | Ant0     | Ant2 | Sum | Limit   |         |
| DFT-s-OFDM PI/2 BPSK              | 665.5           | Edge_1RB_Left   | 24.82                | /    | /   | 17.07    | /    | /   | <=34.77 | Pass    |
|                                   |                 | Edge_1RB_Right  | 24.50                | /    | /   | 16.75    | /    | /   | <=34.77 | Pass    |
|                                   |                 | Outer_Full      | 24.68                | /    | /   | 16.93    | /    | /   | <=34.77 | Pass    |
|                                   |                 | Inner_Full      | 24.72                | /    | /   | 16.97    | /    | /   | <=34.77 | Pass    |
|                                   |                 | Inner_1RB_Left  | 25.14                | /    | /   | 17.39    | /    | /   | <=34.77 | Pass    |
|                                   |                 | Inner_1RB_Right | 24.76                | /    | /   | 17.01    | /    | /   | <=34.77 | Pass    |
|                                   | 680.5           | Edge_1RB_Left   | 24.89                | /    | /   | 17.14    | /    | /   | <=34.77 | Pass    |
|                                   |                 | Edge_1RB_Right  | 25.14                | /    | /   | 17.39    | /    | /   | <=34.77 | Pass    |
|                                   |                 | Outer_Full      | 24.93                | /    | /   | 17.19    | /    | /   | <=34.77 | Pass    |
|                                   |                 | Inner_Full      | 25.31                | /    | /   | 17.56    | /    | /   | <=34.77 | Pass    |
|                                   |                 | Inner_1RB_Left  | 25.35                | /    | /   | 17.60    | /    | /   | <=34.77 | Pass    |
|                                   |                 | Inner_1RB_Right | 25.50                | /    | /   | 17.75    | /    | /   | <=34.77 | Pass    |
|                                   | 695.5           | Edge_1RB_Left   | 25.41                | /    | /   | 17.66    | /    | /   | <=34.77 | Pass    |
|                                   |                 | Edge_1RB_Right  | 25.16                | /    | /   | 17.41    | /    | /   | <=34.77 | Pass    |
|                                   |                 | Outer_Full      | 24.44                | /    | /   | 16.69    | /    | /   | <=34.77 | Pass    |
|                                   |                 | Inner_Full      | 25.54                | /    | /   | 17.79    | /    | /   | <=34.77 | Pass    |
|                                   |                 | Inner_1RB_Left  | 25.60                | /    | /   | 17.85    | /    | /   | <=34.77 | Pass    |
|                                   |                 | Inner_1RB_Right | 25.62                | /    | /   | 17.87    | /    | /   | <=34.77 | Pass    |
| DFT-s-OFDM QPSK                   | 665.5           | Edge_1RB_Left   | 24.50                | /    | /   | 16.75    | /    | /   | <=34.77 | Pass    |
|                                   |                 | Edge_1RB_Right  | 24.03                | /    | /   | 16.28    | /    | /   | <=34.77 | Pass    |
|                                   |                 | Outer_Full      | 24.36                | /    | /   | 16.61    | /    | /   | <=34.77 | Pass    |
|                                   |                 | Inner_Full      | 24.95                | /    | /   | 17.20    | /    | /   | <=34.77 | Pass    |
|                                   |                 | Inner_1RB_Left  | 25.30                | /    | /   | 17.55    | /    | /   | <=34.77 | Pass    |
|                                   |                 | Inner_1RB_Right | 25.18                | /    | /   | 17.43    | /    | /   | <=34.77 | Pass    |
|                                   | 680.5           | Edge_1RB_Left   | 24.47                | /    | /   | 16.72    | /    | /   | <=34.77 | Pass    |
|                                   |                 | Edge_1RB_Right  | 24.48                | /    | /   | 16.73    | /    | /   | <=34.77 | Pass    |
|                                   |                 | Outer_Full      | 24.32                | /    | /   | 16.57    | /    | /   | <=34.77 | Pass    |
|                                   |                 | Inner_Full      | 25.33                | /    | /   | 17.58    | /    | /   | <=34.77 | Pass    |
|                                   |                 | Inner_1RB_Left  | 25.47                | /    | /   | 17.72    | /    | /   | <=34.77 | Pass    |
|                                   |                 | Inner_1RB_Right | 25.42                | /    | /   | 17.67    | /    | /   | <=34.77 | Pass    |
|                                   | 695.5           | Edge_1RB_Left   | 24.31                | /    | /   | 16.56    | /    | /   | <=34.77 | Pass    |
|                                   |                 | Edge_1RB_Right  | 24.37                | /    | /   | 16.62    | /    | /   | <=34.77 | Pass    |
|                                   |                 | Outer_Full      | 24.28                | /    | /   | 16.53    | /    | /   | <=34.77 | Pass    |
|                                   |                 | Inner_Full      | 25.12                | /    | /   | 17.37    | /    | /   | <=34.77 | Pass    |
|                                   |                 | Inner_1RB_Left  | 25.52                | /    | /   | 17.77    | /    | /   | <=34.77 | Pass    |
|                                   |                 | Inner_1RB_Right | 25.38                | /    | /   | 17.63    | /    | /   | <=34.77 | Pass    |
| DFT-s-OFDM 16 QAM                 | 665.5           | Edge_1RB_Left   | 22.91                | /    | /   | 15.16    | /    | /   | <=34.77 | Pass    |
|                                   |                 | Edge_1RB_Right  | 22.92                | /    | /   | 15.17    | /    | /   | <=34.77 | Pass    |
|                                   |                 | Outer_Full      | 23.10                | /    | /   | 15.35    | /    | /   | <=34.77 | Pass    |
|                                   |                 | Inner_Full      | 24.17                | /    | /   | 16.42    | /    | /   | <=34.77 | Pass    |
|                                   |                 | Inner_1RB_Left  | 24.18                | /    | /   | 16.43    | /    | /   | <=34.77 | Pass    |
|                                   |                 | Inner_1RB_Right | 24.25                | /    | /   | 16.50    | /    | /   | <=34.77 | Pass    |
|                                   | 680.5           | Edge_1RB_Left   | 23.34                | /    | /   | 15.59    | /    | /   | <=34.77 | Pass    |
|                                   |                 | Edge_1RB_Right  | 23.22                | /    | /   | 15.47    | /    | /   | <=34.77 | Pass    |
|                                   |                 | Outer_Full      | 23.31                | /    | /   | 15.56    | /    | /   | <=34.77 | Pass    |
|                                   |                 | Inner_Full      | 24.27                | /    | /   | 16.52    | /    | /   | <=34.77 | Pass    |
|                                   |                 | Inner_1RB_Left  | 24.46                | /    | /   | 16.71    | /    | /   | <=34.77 | Pass    |
|                                   |                 | Inner_1RB_Right | 24.28                | /    | /   | 16.53    | /    | /   | <=34.77 | Pass    |
|                                   | 695.5           | Edge_1RB_Left   | 23.17                | /    | /   | 15.42    | /    | /   | <=34.77 | Pass    |
|                                   |                 | Edge_1RB_Right  | 23.14                | /    | /   | 15.39    | /    | /   | <=34.77 | Pass    |
|                                   |                 | Outer_Full      | 23.22                | /    | /   | 15.47    | /    | /   | <=34.77 | Pass    |
|                                   |                 | Inner_Full      | 24.19                | /    | /   | 16.44    | /    | /   | <=34.77 | Pass    |
|                                   |                 | Inner_1RB_Left  | 24.11                | /    | /   | 16.36    | /    | /   | <=34.77 | Pass    |
|                                   |                 | Inner_1RB_Right | 24.00                | /    | /   | 16.25    | /    | /   | <=34.77 | Pass    |

|                    |       |                 |       |   |   |       |   |   |         |      |
|--------------------|-------|-----------------|-------|---|---|-------|---|---|---------|------|
| DFT-s-OFDM 64 QAM  | 665.5 | Edge_1RB_Left   | 22.50 | / | / | 14.75 | / | / | <=34.77 | Pass |
|                    |       | Edge_1RB_Right  | 22.87 | / | / | 15.12 | / | / | <=34.77 | Pass |
|                    |       | Outer_Full      | 22.72 | / | / | 14.97 | / | / | <=34.77 | Pass |
|                    |       | Inner_Full      | 22.82 | / | / | 15.07 | / | / | <=34.77 | Pass |
|                    |       | Inner_1RB_Left  | 22.93 | / | / | 15.18 | / | / | <=34.77 | Pass |
|                    |       | Inner_1RB_Right | 22.97 | / | / | 15.22 | / | / | <=34.77 | Pass |
|                    | 680.5 | Edge_1RB_Left   | 22.98 | / | / | 15.23 | / | / | <=34.77 | Pass |
|                    |       | Edge_1RB_Right  | 22.77 | / | / | 15.02 | / | / | <=34.77 | Pass |
|                    |       | Outer_Full      | 22.85 | / | / | 15.10 | / | / | <=34.77 | Pass |
|                    |       | Inner_Full      | 22.89 | / | / | 15.14 | / | / | <=34.77 | Pass |
|                    |       | Inner_1RB_Left  | 23.02 | / | / | 15.27 | / | / | <=34.77 | Pass |
|                    |       | Inner_1RB_Right | 22.94 | / | / | 15.19 | / | / | <=34.77 | Pass |
|                    | 695.5 | Edge_1RB_Left   | 22.88 | / | / | 15.13 | / | / | <=34.77 | Pass |
|                    |       | Edge_1RB_Right  | 22.90 | / | / | 15.15 | / | / | <=34.77 | Pass |
|                    |       | Outer_Full      | 22.73 | / | / | 14.98 | / | / | <=34.77 | Pass |
|                    |       | Inner_Full      | 22.85 | / | / | 15.10 | / | / | <=34.77 | Pass |
|                    |       | Inner_1RB_Left  | 22.90 | / | / | 15.15 | / | / | <=34.77 | Pass |
|                    |       | Inner_1RB_Right | 22.89 | / | / | 15.14 | / | / | <=34.77 | Pass |
| DFT-s-OFDM 256 QAM | 665.5 | Edge_1RB_Left   | 20.85 | / | / | 13.10 | / | / | <=34.77 | Pass |
|                    |       | Edge_1RB_Right  | 20.89 | / | / | 13.14 | / | / | <=34.77 | Pass |
|                    |       | Outer_Full      | 20.88 | / | / | 13.13 | / | / | <=34.77 | Pass |
|                    |       | Inner_Full      | 20.82 | / | / | 13.07 | / | / | <=34.77 | Pass |
|                    |       | Inner_1RB_Left  | 20.87 | / | / | 13.12 | / | / | <=34.77 | Pass |
|                    |       | Inner_1RB_Right | 20.96 | / | / | 13.22 | / | / | <=34.77 | Pass |
|                    | 680.5 | Edge_1RB_Left   | 20.85 | / | / | 13.10 | / | / | <=34.77 | Pass |
|                    |       | Edge_1RB_Right  | 20.82 | / | / | 13.07 | / | / | <=34.77 | Pass |
|                    |       | Outer_Full      | 20.80 | / | / | 13.05 | / | / | <=34.77 | Pass |
|                    |       | Inner_Full      | 20.67 | / | / | 12.92 | / | / | <=34.77 | Pass |
|                    |       | Inner_1RB_Left  | 20.88 | / | / | 13.13 | / | / | <=34.77 | Pass |
|                    |       | Inner_1RB_Right | 20.75 | / | / | 13.01 | / | / | <=34.77 | Pass |
|                    | 695.5 | Edge_1RB_Left   | 20.72 | / | / | 12.97 | / | / | <=34.77 | Pass |
|                    |       | Edge_1RB_Right  | 20.73 | / | / | 12.98 | / | / | <=34.77 | Pass |
|                    |       | Outer_Full      | 20.77 | / | / | 13.02 | / | / | <=34.77 | Pass |
|                    |       | Inner_Full      | 20.72 | / | / | 12.97 | / | / | <=34.77 | Pass |
|                    |       | Inner_1RB_Left  | 20.79 | / | / | 13.04 | / | / | <=34.77 | Pass |
|                    |       | Inner_1RB_Right | 20.76 | / | / | 13.01 | / | / | <=34.77 | Pass |
| CP-OFDM QPSK       | 665.5 | Edge_1RB_Left   | 22.27 | / | / | 14.52 | / | / | <=34.77 | Pass |
|                    |       | Edge_1RB_Right  | 22.22 | / | / | 14.47 | / | / | <=34.77 | Pass |
|                    |       | Outer_Full      | 22.31 | / | / | 14.56 | / | / | <=34.77 | Pass |
|                    |       | Inner_Full      | 23.56 | / | / | 15.81 | / | / | <=34.77 | Pass |
|                    |       | Inner_1RB_Left  | 23.39 | / | / | 15.64 | / | / | <=34.77 | Pass |
|                    |       | Inner_1RB_Right | 23.64 | / | / | 15.89 | / | / | <=34.77 | Pass |
|                    | 680.5 | Edge_1RB_Left   | 22.08 | / | / | 14.33 | / | / | <=34.77 | Pass |
|                    |       | Edge_1RB_Right  | 22.20 | / | / | 14.45 | / | / | <=34.77 | Pass |
|                    |       | Outer_Full      | 22.14 | / | / | 14.39 | / | / | <=34.77 | Pass |
|                    |       | Inner_Full      | 23.69 | / | / | 15.94 | / | / | <=34.77 | Pass |
|                    |       | Inner_1RB_Left  | 23.64 | / | / | 15.89 | / | / | <=34.77 | Pass |
|                    |       | Inner_1RB_Right | 23.61 | / | / | 15.86 | / | / | <=34.77 | Pass |
|                    | 695.5 | Edge_1RB_Left   | 22.03 | / | / | 14.28 | / | / | <=34.77 | Pass |
|                    |       | Edge_1RB_Right  | 22.18 | / | / | 14.43 | / | / | <=34.77 | Pass |
|                    |       | Outer_Full      | 22.21 | / | / | 14.46 | / | / | <=34.77 | Pass |
|                    |       | Inner_Full      | 23.71 | / | / | 15.97 | / | / | <=34.77 | Pass |
|                    |       | Inner_1RB_Left  | 23.47 | / | / | 15.72 | / | / | <=34.77 | Pass |
|                    |       | Inner_1RB_Right | 23.60 | / | / | 15.85 | / | / | <=34.77 | Pass |
| CP-OFDM 16 QAM     | 665.5 | Edge_1RB_Left   | 22.00 | / | / | 14.25 | / | / | <=34.77 | Pass |
|                    |       | Edge_1RB_Right  | 22.11 | / | / | 14.36 | / | / | <=34.77 | Pass |
|                    |       | Outer_Full      | 22.17 | / | / | 14.42 | / | / | <=34.77 | Pass |
|                    |       | Inner_Full      | 22.93 | / | / | 15.18 | / | / | <=34.77 | Pass |
|                    |       | Inner_1RB_Left  | 22.94 | / | / | 15.19 | / | / | <=34.77 | Pass |
|                    |       | Inner_1RB_Right | 22.98 | / | / | 15.23 | / | / | <=34.77 | Pass |
|                    | 680.5 | Edge_1RB_Left   | 22.88 | / | / | 15.13 | / | / | <=34.77 | Pass |
|                    |       | Edge_1RB_Right  | 22.50 | / | / | 14.75 | / | / | <=34.77 | Pass |
|                    |       | Outer_Full      | 22.16 | / | / | 14.42 | / | / | <=34.77 | Pass |
|                    |       | Inner_Full      | 22.75 | / | / | 15.00 | / | / | <=34.77 | Pass |

|                                                                                      |       |                 |       |   |   |       |   |   |         |      |
|--------------------------------------------------------------------------------------|-------|-----------------|-------|---|---|-------|---|---|---------|------|
|                                                                                      |       | Inner_1RB_Left  | 23.09 | / | / | 15.34 | / | / | <=34.77 | Pass |
|                                                                                      |       | Inner_1RB_Right | 23.53 | / | / | 15.78 | / | / | <=34.77 | Pass |
|                                                                                      | 695.5 | Edge_1RB_Left   | 21.98 | / | / | 14.23 | / | / | <=34.77 | Pass |
|                                                                                      |       | Edge_1RB_Right  | 22.10 | / | / | 14.35 | / | / | <=34.77 | Pass |
|                                                                                      |       | Outer_Full      | 22.27 | / | / | 14.52 | / | / | <=34.77 | Pass |
|                                                                                      |       | Inner_Full      | 23.28 | / | / | 15.53 | / | / | <=34.77 | Pass |
|                                                                                      |       | Inner_1RB_Left  | 23.02 | / | / | 15.27 | / | / | <=34.77 | Pass |
|                                                                                      |       | Inner_1RB_Right | 23.04 | / | / | 15.29 | / | / | <=34.77 | Pass |
| CP-OFDM 64 QAM                                                                       | 665.5 | Edge_1RB_Left   | 21.84 | / | / | 14.09 | / | / | <=34.77 | Pass |
|                                                                                      |       | Edge_1RB_Right  | 22.04 | / | / | 14.29 | / | / | <=34.77 | Pass |
|                                                                                      |       | Outer_Full      | 21.87 | / | / | 14.12 | / | / | <=34.77 | Pass |
|                                                                                      |       | Inner_Full      | 21.71 | / | / | 13.96 | / | / | <=34.77 | Pass |
|                                                                                      |       | Inner_1RB_Left  | 21.99 | / | / | 14.24 | / | / | <=34.77 | Pass |
|                                                                                      |       | Inner_1RB_Right | 22.08 | / | / | 14.33 | / | / | <=34.77 | Pass |
|                                                                                      | 680.5 | Edge_1RB_Left   | 21.94 | / | / | 14.19 | / | / | <=34.77 | Pass |
|                                                                                      |       | Edge_1RB_Right  | 21.30 | / | / | 13.56 | / | / | <=34.77 | Pass |
|                                                                                      |       | Outer_Full      | 21.26 | / | / | 13.51 | / | / | <=34.77 | Pass |
|                                                                                      |       | Inner_Full      | 21.72 | / | / | 13.97 | / | / | <=34.77 | Pass |
|                                                                                      |       | Inner_1RB_Left  | 21.95 | / | / | 14.20 | / | / | <=34.77 | Pass |
|                                                                                      |       | Inner_1RB_Right | 21.92 | / | / | 14.17 | / | / | <=34.77 | Pass |
|                                                                                      | 695.5 | Edge_1RB_Left   | 21.88 | / | / | 14.13 | / | / | <=34.77 | Pass |
|                                                                                      |       | Edge_1RB_Right  | 22.00 | / | / | 14.25 | / | / | <=34.77 | Pass |
|                                                                                      |       | Outer_Full      | 21.85 | / | / | 14.10 | / | / | <=34.77 | Pass |
|                                                                                      |       | Inner_Full      | 21.71 | / | / | 13.96 | / | / | <=34.77 | Pass |
|                                                                                      |       | Inner_1RB_Left  | 22.01 | / | / | 14.26 | / | / | <=34.77 | Pass |
|                                                                                      |       | Inner_1RB_Right | 22.02 | / | / | 14.27 | / | / | <=34.77 | Pass |
| CP-OFDM 256 QAM                                                                      | 665.5 | Edge_1RB_Left   | 18.79 | / | / | 11.04 | / | / | <=34.77 | Pass |
|                                                                                      |       | Edge_1RB_Right  | 19.00 | / | / | 11.25 | / | / | <=34.77 | Pass |
|                                                                                      |       | Outer_Full      | 18.82 | / | / | 11.07 | / | / | <=34.77 | Pass |
|                                                                                      |       | Inner_Full      | 18.77 | / | / | 11.02 | / | / | <=34.77 | Pass |
|                                                                                      |       | Inner_1RB_Left  | 18.88 | / | / | 11.13 | / | / | <=34.77 | Pass |
|                                                                                      |       | Inner_1RB_Right | 18.93 | / | / | 11.18 | / | / | <=34.77 | Pass |
|                                                                                      | 680.5 | Edge_1RB_Left   | 18.89 | / | / | 11.14 | / | / | <=34.77 | Pass |
|                                                                                      |       | Edge_1RB_Right  | 18.92 | / | / | 11.17 | / | / | <=34.77 | Pass |
|                                                                                      |       | Outer_Full      | 18.81 | / | / | 11.06 | / | / | <=34.77 | Pass |
|                                                                                      |       | Inner_Full      | 18.42 | / | / | 10.67 | / | / | <=34.77 | Pass |
|                                                                                      |       | Inner_1RB_Left  | 18.80 | / | / | 11.05 | / | / | <=34.77 | Pass |
|                                                                                      |       | Inner_1RB_Right | 18.93 | / | / | 11.18 | / | / | <=34.77 | Pass |
|                                                                                      | 695.5 | Edge_1RB_Left   | 18.66 | / | / | 10.91 | / | / | <=34.77 | Pass |
|                                                                                      |       | Edge_1RB_Right  | 18.77 | / | / | 11.02 | / | / | <=34.77 | Pass |
|                                                                                      |       | Outer_Full      | 18.66 | / | / | 10.91 | / | / | <=34.77 | Pass |
|                                                                                      |       | Inner_Full      | 18.64 | / | / | 10.89 | / | / | <=34.77 | Pass |
|                                                                                      |       | Inner_1RB_Left  | 18.73 | / | / | 10.98 | / | / | <=34.77 | Pass |
|                                                                                      |       | Inner_1RB_Right | 18.76 | / | / | 11.01 | / | / | <=34.77 | Pass |
| Note1: Antenna Gain: Ant0: -5.60dBi;<br>Note2: ERP=Conducted Power+Antenna Gain-2.15 |       |                 |       |   |   |       |   |   |         |      |

## 1.1.2 15\_S\_10M\_NTNV\_ERP

| 5G NR n71 SCS=15kHz SISO 10MHz NTN |                 |                 |                      |      |     |          |      |     |         |         |
|------------------------------------|-----------------|-----------------|----------------------|------|-----|----------|------|-----|---------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation   | Conducted Power(dBm) |      |     | ERP(dBm) |      |     |         | Verdict |
|                                    |                 |                 | Ant0                 | Ant2 | Sum | Ant0     | Ant2 | Sum | Limit   |         |
| DFT-s-OFDM PI/2 BPSK               | 668             | Edge_1RB_Left   | 24.88                | /    | /   | 17.13    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Edge_1RB_Right  | 24.61                | /    | /   | 16.87    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Outer_Full      | 24.64                | /    | /   | 16.89    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_Full      | 24.46                | /    | /   | 16.71    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Left  | 24.92                | /    | /   | 17.17    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Right | 24.79                | /    | /   | 17.04    | /    | /   | <=34.77 | Pass    |
|                                    | 680.5           | Edge_1RB_Left   | 24.86                | /    | /   | 17.11    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Edge_1RB_Right  | 25.22                | /    | /   | 17.47    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Outer_Full      | 24.99                | /    | /   | 17.24    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_Full      | 25.24                | /    | /   | 17.49    | /    | /   | <=34.77 | Pass    |

|                    |       |                 |       |   |   |       |   |   |         |      |
|--------------------|-------|-----------------|-------|---|---|-------|---|---|---------|------|
|                    |       | Inner_1RB_Left  | 25.18 | / | / | 17.43 | / | / | <=34.77 | Pass |
|                    |       | Inner_1RB_Right | 25.65 | / | / | 17.90 | / | / | <=34.77 | Pass |
|                    | 693   | Edge_1RB_Left   | 25.50 | / | / | 17.75 | / | / | <=34.77 | Pass |
|                    |       | Edge_1RB_Right  | 25.16 | / | / | 17.41 | / | / | <=34.77 | Pass |
|                    |       | Outer_Full      | 25.53 | / | / | 17.78 | / | / | <=34.77 | Pass |
|                    |       | Inner_Full      | 25.58 | / | / | 17.83 | / | / | <=34.77 | Pass |
|                    |       | Inner_1RB_Left  | 25.69 | / | / | 17.94 | / | / | <=34.77 | Pass |
|                    |       | Inner_1RB_Right | 25.57 | / | / | 17.82 | / | / | <=34.77 | Pass |
| DFT-s-OFDM QPSK    | 668   | Edge_1RB_Left   | 24.73 | / | / | 16.98 | / | / | <=34.77 | Pass |
|                    |       | Edge_1RB_Right  | 24.63 | / | / | 16.88 | / | / | <=34.77 | Pass |
|                    |       | Outer_Full      | 24.43 | / | / | 16.68 | / | / | <=34.77 | Pass |
|                    |       | Inner_Full      | 25.23 | / | / | 17.48 | / | / | <=34.77 | Pass |
|                    |       | Inner_1RB_Left  | 25.47 | / | / | 17.72 | / | / | <=34.77 | Pass |
|                    |       | Inner_1RB_Right | 25.47 | / | / | 17.72 | / | / | <=34.77 | Pass |
|                    | 680.5 | Edge_1RB_Left   | 24.65 | / | / | 16.90 | / | / | <=34.77 | Pass |
|                    |       | Edge_1RB_Right  | 24.54 | / | / | 16.79 | / | / | <=34.77 | Pass |
|                    |       | Outer_Full      | 24.30 | / | / | 16.55 | / | / | <=34.77 | Pass |
|                    |       | Inner_Full      | 25.37 | / | / | 17.62 | / | / | <=34.77 | Pass |
|                    |       | Inner_1RB_Left  | 25.26 | / | / | 17.51 | / | / | <=34.77 | Pass |
|                    |       | Inner_1RB_Right | 25.67 | / | / | 17.92 | / | / | <=34.77 | Pass |
|                    | 693   | Edge_1RB_Left   | 24.47 | / | / | 16.72 | / | / | <=34.77 | Pass |
|                    |       | Edge_1RB_Right  | 24.49 | / | / | 16.74 | / | / | <=34.77 | Pass |
|                    |       | Outer_Full      | 24.32 | / | / | 16.57 | / | / | <=34.77 | Pass |
|                    |       | Inner_Full      | 25.30 | / | / | 17.55 | / | / | <=34.77 | Pass |
|                    |       | Inner_1RB_Left  | 25.43 | / | / | 17.68 | / | / | <=34.77 | Pass |
|                    |       | Inner_1RB_Right | 25.60 | / | / | 17.85 | / | / | <=34.77 | Pass |
| DFT-s-OFDM 16 QAM  | 668   | Edge_1RB_Left   | 22.99 | / | / | 15.24 | / | / | <=34.77 | Pass |
|                    |       | Edge_1RB_Right  | 23.09 | / | / | 15.34 | / | / | <=34.77 | Pass |
|                    |       | Outer_Full      | 23.30 | / | / | 15.55 | / | / | <=34.77 | Pass |
|                    |       | Inner_Full      | 24.27 | / | / | 16.52 | / | / | <=34.77 | Pass |
|                    |       | Inner_1RB_Left  | 24.26 | / | / | 16.51 | / | / | <=34.77 | Pass |
|                    |       | Inner_1RB_Right | 24.43 | / | / | 16.68 | / | / | <=34.77 | Pass |
|                    | 680.5 | Edge_1RB_Left   | 23.36 | / | / | 15.62 | / | / | <=34.77 | Pass |
|                    |       | Edge_1RB_Right  | 23.26 | / | / | 15.51 | / | / | <=34.77 | Pass |
|                    |       | Outer_Full      | 23.36 | / | / | 15.61 | / | / | <=34.77 | Pass |
|                    |       | Inner_Full      | 24.32 | / | / | 16.57 | / | / | <=34.77 | Pass |
|                    |       | Inner_1RB_Left  | 24.40 | / | / | 16.65 | / | / | <=34.77 | Pass |
|                    |       | Inner_1RB_Right | 24.48 | / | / | 16.73 | / | / | <=34.77 | Pass |
|                    | 693   | Edge_1RB_Left   | 23.23 | / | / | 15.48 | / | / | <=34.77 | Pass |
|                    |       | Edge_1RB_Right  | 23.16 | / | / | 15.41 | / | / | <=34.77 | Pass |
|                    |       | Outer_Full      | 23.30 | / | / | 15.55 | / | / | <=34.77 | Pass |
|                    |       | Inner_Full      | 24.27 | / | / | 16.52 | / | / | <=34.77 | Pass |
|                    |       | Inner_1RB_Left  | 24.29 | / | / | 16.54 | / | / | <=34.77 | Pass |
|                    |       | Inner_1RB_Right | 24.30 | / | / | 16.55 | / | / | <=34.77 | Pass |
| DFT-s-OFDM 64 QAM  | 668   | Edge_1RB_Left   | 22.69 | / | / | 14.94 | / | / | <=34.77 | Pass |
|                    |       | Edge_1RB_Right  | 22.98 | / | / | 15.23 | / | / | <=34.77 | Pass |
|                    |       | Outer_Full      | 22.74 | / | / | 14.99 | / | / | <=34.77 | Pass |
|                    |       | Inner_Full      | 22.80 | / | / | 15.05 | / | / | <=34.77 | Pass |
|                    |       | Inner_1RB_Left  | 22.80 | / | / | 15.05 | / | / | <=34.77 | Pass |
|                    |       | Inner_1RB_Right | 23.10 | / | / | 15.35 | / | / | <=34.77 | Pass |
|                    | 680.5 | Edge_1RB_Left   | 23.10 | / | / | 15.35 | / | / | <=34.77 | Pass |
|                    |       | Edge_1RB_Right  | 23.00 | / | / | 15.25 | / | / | <=34.77 | Pass |
|                    |       | Outer_Full      | 22.84 | / | / | 15.09 | / | / | <=34.77 | Pass |
|                    |       | Inner_Full      | 22.90 | / | / | 15.15 | / | / | <=34.77 | Pass |
|                    |       | Inner_1RB_Left  | 22.95 | / | / | 15.20 | / | / | <=34.77 | Pass |
|                    |       | Inner_1RB_Right | 23.04 | / | / | 15.29 | / | / | <=34.77 | Pass |
|                    | 693   | Edge_1RB_Left   | 23.02 | / | / | 15.27 | / | / | <=34.77 | Pass |
|                    |       | Edge_1RB_Right  | 22.97 | / | / | 15.22 | / | / | <=34.77 | Pass |
|                    |       | Outer_Full      | 22.78 | / | / | 15.03 | / | / | <=34.77 | Pass |
|                    |       | Inner_Full      | 22.87 | / | / | 15.12 | / | / | <=34.77 | Pass |
|                    |       | Inner_1RB_Left  | 23.04 | / | / | 15.29 | / | / | <=34.77 | Pass |
|                    |       | Inner_1RB_Right | 22.93 | / | / | 15.18 | / | / | <=34.77 | Pass |
| DFT-s-OFDM 256 QAM | 668   | Edge_1RB_Left   | 20.95 | / | / | 13.20 | / | / | <=34.77 | Pass |
|                    |       | Edge_1RB_Right  | 20.99 | / | / | 13.24 | / | / | <=34.77 | Pass |

|                |       |                 |       |   |   |       |   |   |         |      |
|----------------|-------|-----------------|-------|---|---|-------|---|---|---------|------|
|                |       | Outer_Full      | 20.97 | / | / | 13.22 | / | / | <=34.77 | Pass |
|                |       | Inner_Full      | 20.89 | / | / | 13.14 | / | / | <=34.77 | Pass |
|                |       | Inner_1RB_Left  | 20.98 | / | / | 13.24 | / | / | <=34.77 | Pass |
|                |       | Inner_1RB_Right | 21.03 | / | / | 13.28 | / | / | <=34.77 | Pass |
|                | 680.5 | Edge_1RB_Left   | 20.89 | / | / | 13.15 | / | / | <=34.77 | Pass |
|                |       | Edge_1RB_Right  | 20.36 | / | / | 12.61 | / | / | <=34.77 | Pass |
|                |       | Outer_Full      | 20.80 | / | / | 13.05 | / | / | <=34.77 | Pass |
|                |       | Inner_Full      | 20.74 | / | / | 12.99 | / | / | <=34.77 | Pass |
|                | 693   | Inner_1RB_Left  | 20.90 | / | / | 13.15 | / | / | <=34.77 | Pass |
|                |       | Inner_1RB_Right | 20.89 | / | / | 13.14 | / | / | <=34.77 | Pass |
|                |       | Edge_1RB_Left   | 20.86 | / | / | 13.11 | / | / | <=34.77 | Pass |
|                |       | Edge_1RB_Right  | 20.80 | / | / | 13.05 | / | / | <=34.77 | Pass |
|                | 680.5 | Outer_Full      | 20.79 | / | / | 13.04 | / | / | <=34.77 | Pass |
|                |       | Inner_Full      | 20.69 | / | / | 12.94 | / | / | <=34.77 | Pass |
|                |       | Inner_1RB_Left  | 20.91 | / | / | 13.16 | / | / | <=34.77 | Pass |
|                |       | Inner_1RB_Right | 20.88 | / | / | 13.13 | / | / | <=34.77 | Pass |
| CP-OFDM QPSK   | 668   | Edge_1RB_Left   | 22.37 | / | / | 14.62 | / | / | <=34.77 | Pass |
|                |       | Edge_1RB_Right  | 22.66 | / | / | 14.91 | / | / | <=34.77 | Pass |
|                |       | Outer_Full      | 22.45 | / | / | 14.70 | / | / | <=34.77 | Pass |
|                |       | Inner_Full      | 23.82 | / | / | 16.07 | / | / | <=34.77 | Pass |
|                | 680.5 | Inner_1RB_Left  | 23.62 | / | / | 15.87 | / | / | <=34.77 | Pass |
|                |       | Inner_1RB_Right | 23.89 | / | / | 16.14 | / | / | <=34.77 | Pass |
|                |       | Edge_1RB_Left   | 22.54 | / | / | 14.79 | / | / | <=34.77 | Pass |
|                |       | Edge_1RB_Right  | 22.37 | / | / | 14.62 | / | / | <=34.77 | Pass |
|                | 693   | Outer_Full      | 22.29 | / | / | 14.54 | / | / | <=34.77 | Pass |
|                |       | Inner_Full      | 23.72 | / | / | 15.97 | / | / | <=34.77 | Pass |
|                |       | Inner_1RB_Left  | 23.87 | / | / | 16.12 | / | / | <=34.77 | Pass |
|                |       | Inner_1RB_Right | 23.65 | / | / | 15.90 | / | / | <=34.77 | Pass |
| CP-OFDM 16 QAM | 668   | Edge_1RB_Left   | 22.29 | / | / | 14.54 | / | / | <=34.77 | Pass |
|                |       | Edge_1RB_Right  | 22.27 | / | / | 14.52 | / | / | <=34.77 | Pass |
|                |       | Outer_Full      | 22.30 | / | / | 14.55 | / | / | <=34.77 | Pass |
|                |       | Inner_Full      | 23.85 | / | / | 16.10 | / | / | <=34.77 | Pass |
|                | 680.5 | Inner_1RB_Left  | 23.68 | / | / | 15.93 | / | / | <=34.77 | Pass |
|                |       | Inner_1RB_Right | 23.49 | / | / | 15.74 | / | / | <=34.77 | Pass |
|                |       | Edge_1RB_Left   | 22.05 | / | / | 14.30 | / | / | <=34.77 | Pass |
|                |       | Edge_1RB_Right  | 22.28 | / | / | 14.53 | / | / | <=34.77 | Pass |
|                | 693   | Outer_Full      | 22.28 | / | / | 14.53 | / | / | <=34.77 | Pass |
|                |       | Inner_Full      | 23.08 | / | / | 15.33 | / | / | <=34.77 | Pass |
|                |       | Inner_1RB_Left  | 23.18 | / | / | 15.43 | / | / | <=34.77 | Pass |
|                |       | Inner_1RB_Right | 23.35 | / | / | 15.60 | / | / | <=34.77 | Pass |
| CP-OFDM 64 QAM | 668   | Edge_1RB_Left   | 21.89 | / | / | 14.14 | / | / | <=34.77 | Pass |
|                |       | Edge_1RB_Right  | 22.02 | / | / | 14.26 | / | / | <=34.77 | Pass |
|                |       | Outer_Full      | 22.30 | / | / | 14.55 | / | / | <=34.77 | Pass |
|                |       | Inner_Full      | 23.24 | / | / | 15.49 | / | / | <=34.77 | Pass |
|                | 680.5 | Inner_1RB_Left  | 23.47 | / | / | 15.72 | / | / | <=34.77 | Pass |
|                |       | Inner_1RB_Right | 22.72 | / | / | 14.97 | / | / | <=34.77 | Pass |
|                |       | Edge_1RB_Left   | 22.17 | / | / | 14.42 | / | / | <=34.77 | Pass |
|                |       | Edge_1RB_Right  | 22.39 | / | / | 14.64 | / | / | <=34.77 | Pass |
|                | 693   | Outer_Full      | 22.33 | / | / | 14.58 | / | / | <=34.77 | Pass |
|                |       | Inner_Full      | 23.20 | / | / | 15.45 | / | / | <=34.77 | Pass |
|                |       | Inner_1RB_Left  | 23.14 | / | / | 15.39 | / | / | <=34.77 | Pass |
|                |       | Inner_1RB_Right | 23.03 | / | / | 15.28 | / | / | <=34.77 | Pass |
| CP-OFDM 64 QAM | 668   | Edge_1RB_Left   | 22.01 | / | / | 14.26 | / | / | <=34.77 | Pass |
|                |       | Edge_1RB_Right  | 22.04 | / | / | 14.29 | / | / | <=34.77 | Pass |
|                |       | Outer_Full      | 21.72 | / | / | 13.97 | / | / | <=34.77 | Pass |
|                |       | Inner_Full      | 21.78 | / | / | 14.03 | / | / | <=34.77 | Pass |
|                | 680.5 | Inner_1RB_Left  | 22.09 | / | / | 14.34 | / | / | <=34.77 | Pass |
|                |       | Inner_1RB_Right | 22.08 | / | / | 14.33 | / | / | <=34.77 | Pass |
|                |       | Edge_1RB_Left   | 22.14 | / | / | 14.39 | / | / | <=34.77 | Pass |
|                |       | Edge_1RB_Right  | 22.06 | / | / | 14.31 | / | / | <=34.77 | Pass |
|                | 693   | Outer_Full      | 22.23 | / | / | 14.48 | / | / | <=34.77 | Pass |
|                |       | Inner_Full      | 22.54 | / | / | 14.79 | / | / | <=34.77 | Pass |
|                | 680.5 | Inner_1RB_Left  | 22.15 | / | / | 14.40 | / | / | <=34.77 | Pass |
|                |       | Inner_1RB_Right | 21.54 | / | / | 13.79 | / | / | <=34.77 | Pass |

|                 |                                                                                      |                 |                 |       |   |       |       |   |         |         |      |
|-----------------|--------------------------------------------------------------------------------------|-----------------|-----------------|-------|---|-------|-------|---|---------|---------|------|
|                 | 693                                                                                  | Edge_1RB_Left   | 22.07           | /     | / | 14.32 | /     | / | <=34.77 | Pass    |      |
|                 |                                                                                      | Edge_1RB_Right  | 22.12           | /     | / | 14.37 | /     | / | <=34.77 | Pass    |      |
|                 |                                                                                      | Outer_Full      | 21.83           | /     | / | 14.08 | /     | / | <=34.77 | Pass    |      |
|                 |                                                                                      | Inner_Full      | 21.67           | /     | / | 13.92 | /     | / | <=34.77 | Pass    |      |
|                 |                                                                                      | Inner_1RB_Left  | 22.13           | /     | / | 14.38 | /     | / | <=34.77 | Pass    |      |
|                 |                                                                                      | Inner_1RB_Right | 22.04           | /     | / | 14.29 | /     | / | <=34.77 | Pass    |      |
| CP-OFDM 256 QAM | 668                                                                                  | Edge_1RB_Left   | 18.89           | /     | / | 11.14 | /     | / | <=34.77 | Pass    |      |
|                 |                                                                                      | Edge_1RB_Right  | 19.03           | /     | / | 11.28 | /     | / | <=34.77 | Pass    |      |
|                 |                                                                                      | Outer_Full      | 18.89           | /     | / | 11.14 | /     | / | <=34.77 | Pass    |      |
|                 |                                                                                      | Inner_Full      | 18.79           | /     | / | 11.04 | /     | / | <=34.77 | Pass    |      |
|                 |                                                                                      | Inner_1RB_Left  | 18.96           | /     | / | 11.21 | /     | / | <=34.77 | Pass    |      |
|                 |                                                                                      | Inner_1RB_Right | 18.99           | /     | / | 11.24 | /     | / | <=34.77 | Pass    |      |
|                 | 680.5                                                                                | Edge_1RB_Left   | 19.03           | /     | / | 11.28 | /     | / | <=34.77 | Pass    |      |
|                 |                                                                                      | Edge_1RB_Right  | 19.05           | /     | / | 11.30 | /     | / | <=34.77 | Pass    |      |
|                 |                                                                                      | Outer_Full      | 18.75           | /     | / | 11.00 | /     | / | <=34.77 | Pass    |      |
|                 |                                                                                      | Inner_Full      | 18.60           | /     | / | 10.85 | /     | / | <=34.77 | Pass    |      |
|                 |                                                                                      | Inner_1RB_Left  | 18.93           | /     | / | 11.18 | /     | / | <=34.77 | Pass    |      |
|                 |                                                                                      | Inner_1RB_Right | 18.24           | /     | / | 10.49 | /     | / | <=34.77 | Pass    |      |
|                 | 693                                                                                  | Edge_1RB_Left   | 18.86           | /     | / | 11.11 | /     | / | <=34.77 | Pass    |      |
|                 |                                                                                      | Edge_1RB_Right  | 18.86           | /     | / | 11.11 | /     | / | <=34.77 | Pass    |      |
|                 |                                                                                      | Outer_Full      | 18.79           | /     | / | 11.04 | /     | / | <=34.77 | Pass    |      |
|                 |                                                                                      | Inner_Full      | 18.63           | /     | / | 10.88 | /     | / | <=34.77 | Pass    |      |
|                 |                                                                                      | Inner_1RB_Left  | 18.90           | /     | / | 11.15 | /     | / | <=34.77 | Pass    |      |
|                 |                                                                                      |                 | Inner_1RB_Right | 18.88 | / | /     | 11.13 | / | /       | <=34.77 | Pass |
|                 | Note1: Antenna Gain: Ant0: -5.60dBi;<br>Note2: ERP=Conducted Power+Antenna Gain-2.15 |                 |                 |       |   |       |       |   |         |         |      |

## 1.1.3 15\_S\_15M\_NTNV\_ERP

| 5G NR n71 SCS=15kHz SISO 15MHz NTN |                 |                 |                      |      |     |          |      |     |         |         |
|------------------------------------|-----------------|-----------------|----------------------|------|-----|----------|------|-----|---------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation   | Conducted Power(dBm) |      |     | ERP(dBm) |      |     |         | Verdict |
|                                    |                 |                 | Ant0                 | Ant2 | Sum | Ant0     | Ant2 | Sum | Limit   |         |
| DFT-s-OFDM PI/2 BPSK               | 670.5           | Edge_1RB_Left   | 24.57                | /    | /   | 16.82    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Edge_1RB_Right  | 24.46                | /    | /   | 16.71    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Outer_Full      | 24.81                | /    | /   | 17.06    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_Full      | 24.75                | /    | /   | 17.00    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Left  | 24.94                | /    | /   | 17.19    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Right | 24.86                | /    | /   | 17.12    | /    | /   | <=34.77 | Pass    |
|                                    | 680.5           | Edge_1RB_Left   | 24.46                | /    | /   | 16.72    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Edge_1RB_Right  | 25.06                | /    | /   | 17.31    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Outer_Full      | 22.92                | /    | /   | 15.17    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_Full      | 25.07                | /    | /   | 17.32    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Left  | 24.83                | /    | /   | 17.08    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Right | 25.44                | /    | /   | 17.69    | /    | /   | <=34.77 | Pass    |
|                                    | 690.5           | Edge_1RB_Left   | 25.02                | /    | /   | 17.27    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Edge_1RB_Right  | 25.08                | /    | /   | 17.33    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Outer_Full      | 23.27                | /    | /   | 15.52    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_Full      | 25.48                | /    | /   | 17.73    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Left  | 25.63                | /    | /   | 17.88    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Right | 25.67                | /    | /   | 17.92    | /    | /   | <=34.77 | Pass    |
| DFT-s-OFDM QPSK                    | 670.5           | Edge_1RB_Left   | 24.68                | /    | /   | 16.93    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Edge_1RB_Right  | 24.02                | /    | /   | 16.27    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Outer_Full      | 22.49                | /    | /   | 14.74    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_Full      | 25.11                | /    | /   | 17.36    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Left  | 25.32                | /    | /   | 17.57    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Right | 25.36                | /    | /   | 17.62    | /    | /   | <=34.77 | Pass    |
|                                    | 680.5           | Edge_1RB_Left   | 24.51                | /    | /   | 16.76    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Edge_1RB_Right  | 24.40                | /    | /   | 16.65    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Outer_Full      | 22.29                | /    | /   | 14.54    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_Full      | 25.31                | /    | /   | 17.56    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Left  | 25.21                | /    | /   | 17.46    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Right | 24.92                | /    | /   | 17.17    | /    | /   | <=34.77 | Pass    |

|                    |       |                 |       |   |   |       |   |   |         |      |
|--------------------|-------|-----------------|-------|---|---|-------|---|---|---------|------|
|                    | 690.5 | Edge_1RB_Left   | 24.41 | / | / | 16.66 | / | / | <=34.77 | Pass |
|                    |       | Edge_1RB_Right  | 24.36 | / | / | 16.61 | / | / | <=34.77 | Pass |
|                    |       | Outer_Full      | 22.30 | / | / | 14.55 | / | / | <=34.77 | Pass |
|                    |       | Inner_Full      | 25.18 | / | / | 17.43 | / | / | <=34.77 | Pass |
|                    |       | Inner_1RB_Left  | 25.44 | / | / | 17.69 | / | / | <=34.77 | Pass |
|                    |       | Inner_1RB_Right | 25.52 | / | / | 17.77 | / | / | <=34.77 | Pass |
| DFT-s-OFDM 16 QAM  | 670.5 | Edge_1RB_Left   | 22.87 | / | / | 15.12 | / | / | <=34.77 | Pass |
|                    |       | Edge_1RB_Right  | 23.00 | / | / | 15.26 | / | / | <=34.77 | Pass |
|                    |       | Outer_Full      | 21.18 | / | / | 13.43 | / | / | <=34.77 | Pass |
|                    |       | Inner_Full      | 24.32 | / | / | 16.57 | / | / | <=34.77 | Pass |
|                    |       | Inner_1RB_Left  | 24.18 | / | / | 16.43 | / | / | <=34.77 | Pass |
|                    |       | Inner_1RB_Right | 24.06 | / | / | 16.31 | / | / | <=34.77 | Pass |
|                    | 680.5 | Edge_1RB_Left   | 23.16 | / | / | 15.41 | / | / | <=34.77 | Pass |
|                    |       | Edge_1RB_Right  | 23.00 | / | / | 15.25 | / | / | <=34.77 | Pass |
|                    |       | Outer_Full      | 21.39 | / | / | 13.64 | / | / | <=34.77 | Pass |
|                    |       | Inner_Full      | 24.40 | / | / | 16.65 | / | / | <=34.77 | Pass |
|                    |       | Inner_1RB_Left  | 24.22 | / | / | 16.47 | / | / | <=34.77 | Pass |
|                    |       | Inner_1RB_Right | 24.08 | / | / | 16.33 | / | / | <=34.77 | Pass |
|                    | 690.5 | Edge_1RB_Left   | 23.02 | / | / | 15.27 | / | / | <=34.77 | Pass |
|                    |       | Edge_1RB_Right  | 22.98 | / | / | 15.23 | / | / | <=34.77 | Pass |
|                    |       | Outer_Full      | 21.25 | / | / | 13.50 | / | / | <=34.77 | Pass |
|                    |       | Inner_Full      | 24.28 | / | / | 16.53 | / | / | <=34.77 | Pass |
|                    |       | Inner_1RB_Left  | 24.09 | / | / | 16.34 | / | / | <=34.77 | Pass |
|                    |       | Inner_1RB_Right | 24.15 | / | / | 16.40 | / | / | <=34.77 | Pass |
| DFT-s-OFDM 64 QAM  | 670.5 | Edge_1RB_Left   | 22.76 | / | / | 15.01 | / | / | <=34.77 | Pass |
|                    |       | Edge_1RB_Right  | 22.74 | / | / | 14.99 | / | / | <=34.77 | Pass |
|                    |       | Outer_Full      | 20.75 | / | / | 13.00 | / | / | <=34.77 | Pass |
|                    |       | Inner_Full      | 22.95 | / | / | 15.20 | / | / | <=34.77 | Pass |
|                    |       | Inner_1RB_Left  | 22.84 | / | / | 15.09 | / | / | <=34.77 | Pass |
|                    |       | Inner_1RB_Right | 22.80 | / | / | 15.05 | / | / | <=34.77 | Pass |
|                    | 680.5 | Edge_1RB_Left   | 22.91 | / | / | 15.16 | / | / | <=34.77 | Pass |
|                    |       | Edge_1RB_Right  | 22.88 | / | / | 15.13 | / | / | <=34.77 | Pass |
|                    |       | Outer_Full      | 22.64 | / | / | 14.89 | / | / | <=34.77 | Pass |
|                    |       | Inner_Full      | 22.91 | / | / | 15.16 | / | / | <=34.77 | Pass |
|                    |       | Inner_1RB_Left  | 22.99 | / | / | 15.24 | / | / | <=34.77 | Pass |
|                    |       | Inner_1RB_Right | 22.85 | / | / | 15.10 | / | / | <=34.77 | Pass |
|                    | 690.5 | Edge_1RB_Left   | 22.93 | / | / | 15.18 | / | / | <=34.77 | Pass |
|                    |       | Edge_1RB_Right  | 22.81 | / | / | 15.06 | / | / | <=34.77 | Pass |
|                    |       | Outer_Full      | 20.81 | / | / | 13.06 | / | / | <=34.77 | Pass |
|                    |       | Inner_Full      | 22.87 | / | / | 15.12 | / | / | <=34.77 | Pass |
|                    |       | Inner_1RB_Left  | 22.95 | / | / | 15.20 | / | / | <=34.77 | Pass |
|                    |       | Inner_1RB_Right | 22.80 | / | / | 15.05 | / | / | <=34.77 | Pass |
| DFT-s-OFDM 256 QAM | 670.5 | Edge_1RB_Left   | 20.79 | / | / | 13.04 | / | / | <=34.77 | Pass |
|                    |       | Edge_1RB_Right  | 20.78 | / | / | 13.03 | / | / | <=34.77 | Pass |
|                    |       | Outer_Full      | 19.03 | / | / | 11.28 | / | / | <=34.77 | Pass |
|                    |       | Inner_Full      | 20.96 | / | / | 13.21 | / | / | <=34.77 | Pass |
|                    |       | Inner_1RB_Left  | 20.80 | / | / | 13.05 | / | / | <=34.77 | Pass |
|                    |       | Inner_1RB_Right | 20.79 | / | / | 13.04 | / | / | <=34.77 | Pass |
|                    | 680.5 | Edge_1RB_Left   | 20.71 | / | / | 12.96 | / | / | <=34.77 | Pass |
|                    |       | Edge_1RB_Right  | 20.69 | / | / | 12.94 | / | / | <=34.77 | Pass |
|                    |       | Outer_Full      | 19.82 | / | / | 12.07 | / | / | <=34.77 | Pass |
|                    |       | Inner_Full      | 20.82 | / | / | 13.07 | / | / | <=34.77 | Pass |
|                    |       | Inner_1RB_Left  | 20.72 | / | / | 12.97 | / | / | <=34.77 | Pass |
|                    |       | Inner_1RB_Right | 20.64 | / | / | 12.89 | / | / | <=34.77 | Pass |
|                    | 690.5 | Edge_1RB_Left   | 20.74 | / | / | 12.99 | / | / | <=34.77 | Pass |
|                    |       | Edge_1RB_Right  | 20.61 | / | / | 12.86 | / | / | <=34.77 | Pass |
|                    |       | Outer_Full      | 19.87 | / | / | 12.12 | / | / | <=34.77 | Pass |
|                    |       | Inner_Full      | 20.84 | / | / | 13.09 | / | / | <=34.77 | Pass |
|                    |       | Inner_1RB_Left  | 20.75 | / | / | 13.00 | / | / | <=34.77 | Pass |
|                    |       | Inner_1RB_Right | 20.74 | / | / | 12.99 | / | / | <=34.77 | Pass |
| CP-OFDM QPSK       | 670.5 | Edge_1RB_Left   | 22.22 | / | / | 14.47 | / | / | <=34.77 | Pass |
|                    |       | Edge_1RB_Right  | 22.30 | / | / | 14.55 | / | / | <=34.77 | Pass |
|                    |       | Outer_Full      | 22.47 | / | / | 14.72 | / | / | <=34.77 | Pass |
|                    |       | Inner_Full      | 23.77 | / | / | 16.02 | / | / | <=34.77 | Pass |

|                 |       |                 |       |   |   |       |   |   |         |      |
|-----------------|-------|-----------------|-------|---|---|-------|---|---|---------|------|
|                 |       | Inner_1RB_Left  | 23.40 | / | / | 15.65 | / | / | <=34.77 | Pass |
|                 |       | Inner_1RB_Right | 23.68 | / | / | 15.93 | / | / | <=34.77 | Pass |
|                 | 680.5 | Edge_1RB_Left   | 22.14 | / | / | 14.39 | / | / | <=34.77 | Pass |
|                 |       | Edge_1RB_Right  | 22.15 | / | / | 14.40 | / | / | <=34.77 | Pass |
|                 |       | Outer_Full      | 22.47 | / | / | 14.72 | / | / | <=34.77 | Pass |
|                 |       | Inner_Full      | 22.93 | / | / | 15.18 | / | / | <=34.77 | Pass |
|                 |       | Inner_1RB_Left  | 23.68 | / | / | 15.94 | / | / | <=34.77 | Pass |
|                 |       | Inner_1RB_Right | 22.77 | / | / | 15.02 | / | / | <=34.77 | Pass |
|                 | 690.5 | Edge_1RB_Left   | 22.19 | / | / | 14.44 | / | / | <=34.77 | Pass |
|                 |       | Edge_1RB_Right  | 21.94 | / | / | 14.19 | / | / | <=34.77 | Pass |
|                 |       | Outer_Full      | 22.33 | / | / | 14.58 | / | / | <=34.77 | Pass |
|                 |       | Inner_Full      | 23.83 | / | / | 16.08 | / | / | <=34.77 | Pass |
|                 |       | Inner_1RB_Left  | 23.75 | / | / | 16.00 | / | / | <=34.77 | Pass |
|                 |       | Inner_1RB_Right | 23.37 | / | / | 15.62 | / | / | <=34.77 | Pass |
| CP-OFDM 16 QAM  | 670.5 | Edge_1RB_Left   | 21.94 | / | / | 14.19 | / | / | <=34.77 | Pass |
|                 |       | Edge_1RB_Right  | 21.70 | / | / | 13.95 | / | / | <=34.77 | Pass |
|                 |       | Outer_Full      | 22.19 | / | / | 14.44 | / | / | <=34.77 | Pass |
|                 |       | Inner_Full      | 23.24 | / | / | 15.49 | / | / | <=34.77 | Pass |
|                 |       | Inner_1RB_Left  | 22.87 | / | / | 15.12 | / | / | <=34.77 | Pass |
|                 |       | Inner_1RB_Right | 23.13 | / | / | 15.38 | / | / | <=34.77 | Pass |
|                 | 680.5 | Edge_1RB_Left   | 22.23 | / | / | 14.48 | / | / | <=34.77 | Pass |
|                 |       | Edge_1RB_Right  | 22.06 | / | / | 14.31 | / | / | <=34.77 | Pass |
|                 |       | Outer_Full      | 22.50 | / | / | 14.75 | / | / | <=34.77 | Pass |
|                 |       | Inner_Full      | 23.30 | / | / | 15.55 | / | / | <=34.77 | Pass |
|                 |       | Inner_1RB_Left  | 22.97 | / | / | 15.22 | / | / | <=34.77 | Pass |
|                 |       | Inner_1RB_Right | 23.05 | / | / | 15.30 | / | / | <=34.77 | Pass |
|                 | 690.5 | Edge_1RB_Left   | 22.04 | / | / | 14.29 | / | / | <=34.77 | Pass |
|                 |       | Edge_1RB_Right  | 22.01 | / | / | 14.26 | / | / | <=34.77 | Pass |
|                 |       | Outer_Full      | 22.27 | / | / | 14.52 | / | / | <=34.77 | Pass |
|                 |       | Inner_Full      | 23.20 | / | / | 15.45 | / | / | <=34.77 | Pass |
|                 |       | Inner_1RB_Left  | 23.24 | / | / | 15.49 | / | / | <=34.77 | Pass |
|                 |       | Inner_1RB_Right | 23.10 | / | / | 15.35 | / | / | <=34.77 | Pass |
| CP-OFDM 64 QAM  | 670.5 | Edge_1RB_Left   | 21.90 | / | / | 14.15 | / | / | <=34.77 | Pass |
|                 |       | Edge_1RB_Right  | 21.83 | / | / | 14.08 | / | / | <=34.77 | Pass |
|                 |       | Outer_Full      | 21.84 | / | / | 14.09 | / | / | <=34.77 | Pass |
|                 |       | Inner_Full      | 21.87 | / | / | 14.12 | / | / | <=34.77 | Pass |
|                 |       | Inner_1RB_Left  | 22.06 | / | / | 14.31 | / | / | <=34.77 | Pass |
|                 |       | Inner_1RB_Right | 21.98 | / | / | 14.23 | / | / | <=34.77 | Pass |
|                 | 680.5 | Edge_1RB_Left   | 22.00 | / | / | 14.25 | / | / | <=34.77 | Pass |
|                 |       | Edge_1RB_Right  | 21.98 | / | / | 14.23 | / | / | <=34.77 | Pass |
|                 |       | Outer_Full      | 21.89 | / | / | 14.14 | / | / | <=34.77 | Pass |
|                 |       | Inner_Full      | 21.78 | / | / | 14.03 | / | / | <=34.77 | Pass |
|                 |       | Inner_1RB_Left  | 22.02 | / | / | 14.27 | / | / | <=34.77 | Pass |
|                 |       | Inner_1RB_Right | 21.84 | / | / | 14.09 | / | / | <=34.77 | Pass |
|                 | 690.5 | Edge_1RB_Left   | 21.97 | / | / | 14.22 | / | / | <=34.77 | Pass |
|                 |       | Edge_1RB_Right  | 21.96 | / | / | 14.21 | / | / | <=34.77 | Pass |
|                 |       | Outer_Full      | 21.85 | / | / | 14.10 | / | / | <=34.77 | Pass |
|                 |       | Inner_Full      | 21.81 | / | / | 14.06 | / | / | <=34.77 | Pass |
|                 |       | Inner_1RB_Left  | 22.00 | / | / | 14.25 | / | / | <=34.77 | Pass |
|                 |       | Inner_1RB_Right | 21.98 | / | / | 14.23 | / | / | <=34.77 | Pass |
| CP-OFDM 256 QAM | 670.5 | Edge_1RB_Left   | 18.80 | / | / | 11.05 | / | / | <=34.77 | Pass |
|                 |       | Edge_1RB_Right  | 18.86 | / | / | 11.11 | / | / | <=34.77 | Pass |
|                 |       | Outer_Full      | 19.02 | / | / | 11.27 | / | / | <=34.77 | Pass |
|                 |       | Inner_Full      | 18.94 | / | / | 11.19 | / | / | <=34.77 | Pass |
|                 |       | Inner_1RB_Left  | 18.88 | / | / | 11.13 | / | / | <=34.77 | Pass |
|                 |       | Inner_1RB_Right | 18.90 | / | / | 11.15 | / | / | <=34.77 | Pass |
|                 | 680.5 | Edge_1RB_Left   | 18.54 | / | / | 10.79 | / | / | <=34.77 | Pass |
|                 |       | Edge_1RB_Right  | 18.63 | / | / | 10.88 | / | / | <=34.77 | Pass |
|                 |       | Outer_Full      | 19.02 | / | / | 11.27 | / | / | <=34.77 | Pass |
|                 |       | Inner_Full      | 18.82 | / | / | 11.07 | / | / | <=34.77 | Pass |
|                 |       | Inner_1RB_Left  | 18.93 | / | / | 11.18 | / | / | <=34.77 | Pass |
|                 |       | Inner_1RB_Right | 18.60 | / | / | 10.85 | / | / | <=34.77 | Pass |
|                 | 690.5 | Edge_1RB_Left   | 18.77 | / | / | 11.02 | / | / | <=34.77 | Pass |
|                 |       | Edge_1RB_Right  | 18.74 | / | / | 10.99 | / | / | <=34.77 | Pass |

|                                                                                      |  |                 |       |   |   |       |   |   |         |      |
|--------------------------------------------------------------------------------------|--|-----------------|-------|---|---|-------|---|---|---------|------|
|                                                                                      |  | Outer_Full      | 18.85 | / | / | 11.10 | / | / | <=34.77 | Pass |
|                                                                                      |  | Inner_Full      | 18.82 | / | / | 11.08 | / | / | <=34.77 | Pass |
|                                                                                      |  | Inner_1RB_Left  | 18.85 | / | / | 11.10 | / | / | <=34.77 | Pass |
|                                                                                      |  | Inner_1RB_Right | 18.81 | / | / | 11.06 | / | / | <=34.77 | Pass |
| Note1: Antenna Gain: Ant0: -5.60dBi;<br>Note2: ERP=Conducted Power+Antenna Gain-2.15 |  |                 |       |   |   |       |   |   |         |      |

## 1.1.4 15\_S\_20M\_NTNV\_ERP

| 5G NR n71 SCS=15kHz SISO 20MHz NTN |                 |                 |                      |      |     |          |      |     |         |         |
|------------------------------------|-----------------|-----------------|----------------------|------|-----|----------|------|-----|---------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation   | Conducted Power(dBm) |      |     | ERP(dBm) |      |     |         | Verdict |
|                                    |                 |                 | Ant0                 | Ant2 | Sum | Ant0     | Ant2 | Sum | Limit   |         |
| DFT-s-OFDM PI/2 BPSK               | 673             | Edge_1RB_Left   | 24.61                | /    | /   | 16.86    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Edge_1RB_Right  | 25.01                | /    | /   | 17.26    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Outer_Full      | 24.82                | /    | /   | 17.07    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_Full      | 24.97                | /    | /   | 17.22    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Left  | 24.94                | /    | /   | 17.19    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Right | 25.29                | /    | /   | 17.54    | /    | /   | <=34.77 | Pass    |
|                                    | 680.5           | Edge_1RB_Left   | 24.52                | /    | /   | 16.77    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Edge_1RB_Right  | 25.29                | /    | /   | 17.54    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Outer_Full      | 24.92                | /    | /   | 17.17    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_Full      | 25.32                | /    | /   | 17.57    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Left  | 25.05                | /    | /   | 17.30    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Right | 25.64                | /    | /   | 17.90    | /    | /   | <=34.77 | Pass    |
|                                    | 688             | Edge_1RB_Left   | 24.71                | /    | /   | 16.96    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Edge_1RB_Right  | 25.19                | /    | /   | 17.44    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Outer_Full      | 25.32                | /    | /   | 17.57    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_Full      | 25.65                | /    | /   | 17.90    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Left  | 25.14                | /    | /   | 17.39    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Right | 25.55                | /    | /   | 17.80    | /    | /   | <=34.77 | Pass    |
| DFT-s-OFDM QPSK                    | 673             | Edge_1RB_Left   | 24.29                | /    | /   | 16.54    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Edge_1RB_Right  | 23.68                | /    | /   | 15.93    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Outer_Full      | 24.32                | /    | /   | 16.58    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_Full      | 25.11                | /    | /   | 17.36    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Left  | 25.24                | /    | /   | 17.49    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Right | 25.11                | /    | /   | 17.36    | /    | /   | <=34.77 | Pass    |
|                                    | 680.5           | Edge_1RB_Left   | 24.43                | /    | /   | 16.68    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Edge_1RB_Right  | 24.11                | /    | /   | 16.36    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Outer_Full      | 24.24                | /    | /   | 16.49    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_Full      | 25.11                | /    | /   | 17.37    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Left  | 25.34                | /    | /   | 17.59    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Right | 25.05                | /    | /   | 17.31    | /    | /   | <=34.77 | Pass    |
|                                    | 688             | Edge_1RB_Left   | 24.41                | /    | /   | 16.66    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Edge_1RB_Right  | 24.40                | /    | /   | 16.65    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Outer_Full      | 24.32                | /    | /   | 16.57    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_Full      | 25.43                | /    | /   | 17.68    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Left  | 25.68                | /    | /   | 17.93    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Right | 25.45                | /    | /   | 17.70    | /    | /   | <=34.77 | Pass    |
| DFT-s-OFDM 16 QAM                  | 673             | Edge_1RB_Left   | 22.74                | /    | /   | 14.99    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Edge_1RB_Right  | 22.73                | /    | /   | 14.98    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Outer_Full      | 23.08                | /    | /   | 15.33    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_Full      | 24.21                | /    | /   | 16.46    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Left  | 23.89                | /    | /   | 16.14    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Right | 23.78                | /    | /   | 16.03    | /    | /   | <=34.77 | Pass    |
|                                    | 680.5           | Edge_1RB_Left   | 22.95                | /    | /   | 15.20    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Edge_1RB_Right  | 22.88                | /    | /   | 15.13    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Outer_Full      | 23.09                | /    | /   | 15.34    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_Full      | 24.17                | /    | /   | 16.42    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Left  | 24.09                | /    | /   | 16.34    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Right | 23.92                | /    | /   | 16.17    | /    | /   | <=34.77 | Pass    |
|                                    | 688             | Edge_1RB_Left   | 23.15                | /    | /   | 15.40    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Edge_1RB_Right  | 23.12                | /    | /   | 15.37    | /    | /   | <=34.77 | Pass    |

|                    |       |                 |       |   |   |       |   |   |         |      |
|--------------------|-------|-----------------|-------|---|---|-------|---|---|---------|------|
|                    |       | Outer_Full      | 23.28 | / | / | 15.53 | / | / | <=34.77 | Pass |
|                    |       | Inner_Full      | 24.42 | / | / | 16.67 | / | / | <=34.77 | Pass |
|                    |       | Inner_1RB_Left  | 24.20 | / | / | 16.45 | / | / | <=34.77 | Pass |
|                    |       | Inner_1RB_Right | 24.14 | / | / | 16.39 | / | / | <=34.77 | Pass |
| DFT-s-OFDM 64 QAM  | 673   | Edge_1RB_Left   | 22.35 | / | / | 14.60 | / | / | <=34.77 | Pass |
|                    |       | Edge_1RB_Right  | 22.55 | / | / | 14.80 | / | / | <=34.77 | Pass |
|                    |       | Outer_Full      | 22.60 | / | / | 14.85 | / | / | <=34.77 | Pass |
|                    |       | Inner_Full      | 22.81 | / | / | 15.06 | / | / | <=34.77 | Pass |
|                    |       | Inner_1RB_Left  | 22.70 | / | / | 14.95 | / | / | <=34.77 | Pass |
|                    |       | Inner_1RB_Right | 22.72 | / | / | 14.97 | / | / | <=34.77 | Pass |
|                    | 680.5 | Edge_1RB_Left   | 22.85 | / | / | 15.10 | / | / | <=34.77 | Pass |
|                    |       | Edge_1RB_Right  | 22.70 | / | / | 14.95 | / | / | <=34.77 | Pass |
|                    |       | Outer_Full      | 22.69 | / | / | 14.94 | / | / | <=34.77 | Pass |
|                    |       | Inner_Full      | 22.85 | / | / | 15.10 | / | / | <=34.77 | Pass |
|                    |       | Inner_1RB_Left  | 22.85 | / | / | 15.10 | / | / | <=34.77 | Pass |
|                    |       | Inner_1RB_Right | 22.70 | / | / | 14.95 | / | / | <=34.77 | Pass |
|                    | 688   | Edge_1RB_Left   | 22.92 | / | / | 15.17 | / | / | <=34.77 | Pass |
|                    |       | Edge_1RB_Right  | 22.85 | / | / | 15.10 | / | / | <=34.77 | Pass |
|                    |       | Outer_Full      | 22.85 | / | / | 15.10 | / | / | <=34.77 | Pass |
|                    |       | Inner_Full      | 22.90 | / | / | 15.15 | / | / | <=34.77 | Pass |
|                    |       | Inner_1RB_Left  | 22.97 | / | / | 15.22 | / | / | <=34.77 | Pass |
|                    |       | Inner_1RB_Right | 22.87 | / | / | 15.12 | / | / | <=34.77 | Pass |
| DFT-s-OFDM 256 QAM | 673   | Edge_1RB_Left   | 20.74 | / | / | 12.99 | / | / | <=34.77 | Pass |
|                    |       | Edge_1RB_Right  | 20.74 | / | / | 12.99 | / | / | <=34.77 | Pass |
|                    |       | Outer_Full      | 20.89 | / | / | 13.14 | / | / | <=34.77 | Pass |
|                    |       | Inner_Full      | 20.94 | / | / | 13.19 | / | / | <=34.77 | Pass |
|                    |       | Inner_1RB_Left  | 20.86 | / | / | 13.11 | / | / | <=34.77 | Pass |
|                    |       | Inner_1RB_Right | 20.79 | / | / | 13.04 | / | / | <=34.77 | Pass |
|                    | 680.5 | Edge_1RB_Left   | 20.85 | / | / | 13.10 | / | / | <=34.77 | Pass |
|                    |       | Edge_1RB_Right  | 20.75 | / | / | 13.00 | / | / | <=34.77 | Pass |
|                    |       | Outer_Full      | 20.79 | / | / | 13.04 | / | / | <=34.77 | Pass |
|                    |       | Inner_Full      | 20.93 | / | / | 13.18 | / | / | <=34.77 | Pass |
|                    |       | Inner_1RB_Left  | 20.88 | / | / | 13.13 | / | / | <=34.77 | Pass |
|                    |       | Inner_1RB_Right | 20.71 | / | / | 12.96 | / | / | <=34.77 | Pass |
|                    | 688   | Edge_1RB_Left   | 20.79 | / | / | 13.04 | / | / | <=34.77 | Pass |
|                    |       | Edge_1RB_Right  | 20.68 | / | / | 12.93 | / | / | <=34.77 | Pass |
|                    |       | Outer_Full      | 20.82 | / | / | 13.08 | / | / | <=34.77 | Pass |
|                    |       | Inner_Full      | 20.89 | / | / | 13.14 | / | / | <=34.77 | Pass |
|                    |       | Inner_1RB_Left  | 20.82 | / | / | 13.07 | / | / | <=34.77 | Pass |
|                    |       | Inner_1RB_Right | 20.75 | / | / | 13.00 | / | / | <=34.77 | Pass |
| CP-OFDM QPSK       | 673   | Edge_1RB_Left   | 22.46 | / | / | 14.71 | / | / | <=34.77 | Pass |
|                    |       | Edge_1RB_Right  | 21.91 | / | / | 14.16 | / | / | <=34.77 | Pass |
|                    |       | Outer_Full      | 22.44 | / | / | 14.69 | / | / | <=34.77 | Pass |
|                    |       | Inner_Full      | 23.66 | / | / | 15.91 | / | / | <=34.77 | Pass |
|                    |       | Inner_1RB_Left  | 23.27 | / | / | 15.51 | / | / | <=34.77 | Pass |
|                    |       | Inner_1RB_Right | 23.45 | / | / | 15.70 | / | / | <=34.77 | Pass |
|                    | 680.5 | Edge_1RB_Left   | 22.02 | / | / | 14.27 | / | / | <=34.77 | Pass |
|                    |       | Edge_1RB_Right  | 22.36 | / | / | 14.61 | / | / | <=34.77 | Pass |
|                    |       | Outer_Full      | 22.36 | / | / | 14.61 | / | / | <=34.77 | Pass |
|                    |       | Inner_Full      | 23.45 | / | / | 15.70 | / | / | <=34.77 | Pass |
|                    |       | Inner_1RB_Left  | 23.83 | / | / | 16.08 | / | / | <=34.77 | Pass |
|                    |       | Inner_1RB_Right | 23.56 | / | / | 15.81 | / | / | <=34.77 | Pass |
|                    | 688   | Edge_1RB_Left   | 22.18 | / | / | 14.43 | / | / | <=34.77 | Pass |
|                    |       | Edge_1RB_Right  | 22.14 | / | / | 14.39 | / | / | <=34.77 | Pass |
|                    |       | Outer_Full      | 22.26 | / | / | 14.51 | / | / | <=34.77 | Pass |
|                    |       | Inner_Full      | 23.81 | / | / | 16.06 | / | / | <=34.77 | Pass |
|                    |       | Inner_1RB_Left  | 23.55 | / | / | 15.80 | / | / | <=34.77 | Pass |
|                    |       | Inner_1RB_Right | 23.48 | / | / | 15.73 | / | / | <=34.77 | Pass |
| CP-OFDM 16 QAM     | 673   | Edge_1RB_Left   | 21.80 | / | / | 14.05 | / | / | <=34.77 | Pass |
|                    |       | Edge_1RB_Right  | 21.81 | / | / | 14.06 | / | / | <=34.77 | Pass |
|                    |       | Outer_Full      | 22.02 | / | / | 14.27 | / | / | <=34.77 | Pass |
|                    |       | Inner_Full      | 23.20 | / | / | 15.45 | / | / | <=34.77 | Pass |
|                    |       | Inner_1RB_Left  | 22.72 | / | / | 14.97 | / | / | <=34.77 | Pass |
|                    |       | Inner_1RB_Right | 22.82 | / | / | 15.07 | / | / | <=34.77 | Pass |

|                                                                                      |       |                 |       |   |   |       |   |   |         |      |
|--------------------------------------------------------------------------------------|-------|-----------------|-------|---|---|-------|---|---|---------|------|
|                                                                                      | 680.5 | Edge_1RB_Left   | 22.18 | / | / | 14.43 | / | / | <=34.77 | Pass |
|                                                                                      |       | Edge_1RB_Right  | 22.10 | / | / | 14.35 | / | / | <=34.77 | Pass |
|                                                                                      |       | Outer_Full      | 22.49 | / | / | 14.74 | / | / | <=34.77 | Pass |
|                                                                                      |       | Inner_Full      | 23.04 | / | / | 15.29 | / | / | <=34.77 | Pass |
|                                                                                      |       | Inner_1RB_Left  | 23.07 | / | / | 15.32 | / | / | <=34.77 | Pass |
|                                                                                      |       | Inner_1RB_Right | 22.98 | / | / | 15.23 | / | / | <=34.77 | Pass |
|                                                                                      | 688   | Edge_1RB_Left   | 22.02 | / | / | 14.27 | / | / | <=34.77 | Pass |
|                                                                                      |       | Edge_1RB_Right  | 22.04 | / | / | 14.29 | / | / | <=34.77 | Pass |
|                                                                                      |       | Outer_Full      | 22.31 | / | / | 14.56 | / | / | <=34.77 | Pass |
|                                                                                      |       | Inner_Full      | 23.32 | / | / | 15.58 | / | / | <=34.77 | Pass |
|                                                                                      |       | Inner_1RB_Left  | 23.05 | / | / | 15.30 | / | / | <=34.77 | Pass |
|                                                                                      |       | Inner_1RB_Right | 22.97 | / | / | 15.22 | / | / | <=34.77 | Pass |
| CP-OFDM 64 QAM                                                                       | 673   | Edge_1RB_Left   | 21.72 | / | / | 13.97 | / | / | <=34.77 | Pass |
|                                                                                      |       | Edge_1RB_Right  | 21.75 | / | / | 14.00 | / | / | <=34.77 | Pass |
|                                                                                      |       | Outer_Full      | 21.61 | / | / | 13.86 | / | / | <=34.77 | Pass |
|                                                                                      |       | Inner_Full      | 21.80 | / | / | 14.05 | / | / | <=34.77 | Pass |
|                                                                                      |       | Inner_1RB_Left  | 21.89 | / | / | 14.14 | / | / | <=34.77 | Pass |
|                                                                                      |       | Inner_1RB_Right | 21.91 | / | / | 14.16 | / | / | <=34.77 | Pass |
|                                                                                      | 680.5 | Edge_1RB_Left   | 21.95 | / | / | 14.20 | / | / | <=34.77 | Pass |
|                                                                                      |       | Edge_1RB_Right  | 22.12 | / | / | 14.37 | / | / | <=34.77 | Pass |
|                                                                                      |       | Outer_Full      | 21.81 | / | / | 14.06 | / | / | <=34.77 | Pass |
|                                                                                      |       | Inner_Full      | 21.87 | / | / | 14.12 | / | / | <=34.77 | Pass |
|                                                                                      |       | Inner_1RB_Left  | 21.71 | / | / | 13.96 | / | / | <=34.77 | Pass |
|                                                                                      |       | Inner_1RB_Right | 21.72 | / | / | 13.97 | / | / | <=34.77 | Pass |
|                                                                                      | 688   | Edge_1RB_Left   | 21.99 | / | / | 14.24 | / | / | <=34.77 | Pass |
|                                                                                      |       | Edge_1RB_Right  | 22.01 | / | / | 14.26 | / | / | <=34.77 | Pass |
|                                                                                      |       | Outer_Full      | 21.80 | / | / | 14.05 | / | / | <=34.77 | Pass |
|                                                                                      |       | Inner_Full      | 21.82 | / | / | 14.07 | / | / | <=34.77 | Pass |
|                                                                                      |       | Inner_1RB_Left  | 22.04 | / | / | 14.29 | / | / | <=34.77 | Pass |
|                                                                                      |       | Inner_1RB_Right | 21.83 | / | / | 14.08 | / | / | <=34.77 | Pass |
| CP-OFDM 256 QAM                                                                      | 673   | Edge_1RB_Left   | 18.85 | / | / | 11.10 | / | / | <=34.77 | Pass |
|                                                                                      |       | Edge_1RB_Right  | 19.02 | / | / | 11.27 | / | / | <=34.77 | Pass |
|                                                                                      |       | Outer_Full      | 19.05 | / | / | 11.30 | / | / | <=34.77 | Pass |
|                                                                                      |       | Inner_Full      | 18.87 | / | / | 11.12 | / | / | <=34.77 | Pass |
|                                                                                      |       | Inner_1RB_Left  | 19.00 | / | / | 11.26 | / | / | <=34.77 | Pass |
|                                                                                      |       | Inner_1RB_Right | 18.77 | / | / | 11.02 | / | / | <=34.77 | Pass |
|                                                                                      | 680.5 | Edge_1RB_Left   | 18.83 | / | / | 11.08 | / | / | <=34.77 | Pass |
|                                                                                      |       | Edge_1RB_Right  | 18.81 | / | / | 11.06 | / | / | <=34.77 | Pass |
|                                                                                      |       | Outer_Full      | 18.80 | / | / | 11.05 | / | / | <=34.77 | Pass |
|                                                                                      |       | Inner_Full      | 18.86 | / | / | 11.11 | / | / | <=34.77 | Pass |
|                                                                                      |       | Inner_1RB_Left  | 18.79 | / | / | 11.04 | / | / | <=34.77 | Pass |
|                                                                                      |       | Inner_1RB_Right | 19.05 | / | / | 11.30 | / | / | <=34.77 | Pass |
|                                                                                      | 688   | Edge_1RB_Left   | 18.85 | / | / | 11.10 | / | / | <=34.77 | Pass |
|                                                                                      |       | Edge_1RB_Right  | 18.67 | / | / | 10.92 | / | / | <=34.77 | Pass |
|                                                                                      |       | Outer_Full      | 18.86 | / | / | 11.11 | / | / | <=34.77 | Pass |
|                                                                                      |       | Inner_Full      | 18.72 | / | / | 10.97 | / | / | <=34.77 | Pass |
|                                                                                      |       | Inner_1RB_Left  | 18.73 | / | / | 10.98 | / | / | <=34.77 | Pass |
|                                                                                      |       | Inner_1RB_Right | 18.74 | / | / | 10.99 | / | / | <=34.77 | Pass |
| Note1: Antenna Gain: Ant0: -5.60dBi;<br>Note2: ERP=Conducted Power+Antenna Gain-2.15 |       |                 |       |   |   |       |   |   |         |      |

## 2. Frequency Stability

### 2.1 Test Result

#### 2.1.1 15\_S\_20M

| 5G NR n71 SCS=15kHz SISO 20MHz |                 |               |            |       |                  |                       |                |         |
|--------------------------------|-----------------|---------------|------------|-------|------------------|-----------------------|----------------|---------|
| Modulation                     | Frequency (MHz) | RB Allocation | Temp. (°C) | Volt. | Freq. Error (Hz) | Freq. vs. rated (ppm) |                | Verdict |
|                                |                 |               |            |       |                  | Result                | Limit          |         |
| DFT-s-OFDM                     | 680.5           | Outer_Full    | 20         | LV    | -3.69            | -0.0054               | >=-2.5 & <=2.5 | Pass    |

|      |  |  |     |    |       |         |                          |      |
|------|--|--|-----|----|-------|---------|--------------------------|------|
| QPSK |  |  |     | HV | -2.51 | -0.0037 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|      |  |  | -30 | NV | -3.92 | -0.0058 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|      |  |  | -20 | NV | -2.61 | -0.0038 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|      |  |  | -10 | NV | -4.19 | -0.0062 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|      |  |  | 0   | NV | -4.04 | -0.0059 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|      |  |  | 10  | NV | -1.05 | -0.0015 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|      |  |  | 20  | NV | -3.03 | -0.0045 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|      |  |  | 30  | NV | -3.84 | -0.0056 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|      |  |  | 40  | NV | -1.45 | -0.0021 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|      |  |  | 50  | NV | -3.72 | -0.0055 | $\geq -2.5$ & $\leq 2.5$ | Pass |

### 3. 99% & 26dB Bandwidth

#### 3.1 Test Result

##### 3.1.1 15\_S\_5M\_NTNV

| 5G NR n71 SCS=15kHz SISO 5MHz NTN |                 |               |                     |                      |             |         |
|-----------------------------------|-----------------|---------------|---------------------|----------------------|-------------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation | 99% Bandwidth (MHz) | 26dB Bandwidth (MHz) | Limit (MHz) | Verdict |
| DFT-s-OFDM PI/2 BPSK              | 680.5           | Outer_Full    | 4.49                | 4.96                 | /           | Pass    |
| DFT-s-OFDM QPSK                   | 680.5           | Outer_Full    | 4.51                | 4.92                 | /           | Pass    |
| DFT-s-OFDM 16 QAM                 | 680.5           | Outer_Full    | 4.53                | 4.93                 | /           | Pass    |
| DFT-s-OFDM 64 QAM                 | 680.5           | Outer_Full    | 4.56                | 4.98                 | /           | Pass    |
| DFT-s-OFDM 256 QAM                | 680.5           | Outer_Full    | 4.55                | 5.00                 | /           | Pass    |
| CP-OFDM QPSK                      | 680.5           | Outer_Full    | 4.51                | 4.97                 | /           | Pass    |
| CP-OFDM 16 QAM                    | 680.5           | Outer_Full    | 4.51                | 4.92                 | /           | Pass    |
| CP-OFDM 64 QAM                    | 680.5           | Outer_Full    | 4.51                | 4.98                 | /           | Pass    |
| CP-OFDM 256 QAM                   | 680.5           | Outer_Full    | 4.52                | 5.00                 | /           | Pass    |

##### 3.1.2 15\_S\_10M\_NTNV

| 5G NR n71 SCS=15kHz SISO 10MHz NTN |                 |               |                     |                      |             |         |
|------------------------------------|-----------------|---------------|---------------------|----------------------|-------------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation | 99% Bandwidth (MHz) | 26dB Bandwidth (MHz) | Limit (MHz) | Verdict |
| DFT-s-OFDM PI/2 BPSK               | 680.5           | Outer_Full    | 9.01                | 9.74                 | /           | Pass    |
| DFT-s-OFDM QPSK                    | 680.5           | Outer_Full    | 9.03                | 9.71                 | /           | Pass    |
| DFT-s-OFDM 16 QAM                  | 680.5           | Outer_Full    | 9.01                | 9.72                 | /           | Pass    |
| DFT-s-OFDM 64 QAM                  | 680.5           | Outer_Full    | 9.05                | 9.72                 | /           | Pass    |
| DFT-s-OFDM 256 QAM                 | 680.5           | Outer_Full    | 9.05                | 9.68                 | /           | Pass    |
| CP-OFDM QPSK                       | 680.5           | Outer_Full    | 9.37                | 10.02                | /           | Pass    |
| CP-OFDM 16 QAM                     | 680.5           | Outer_Full    | 9.37                | 10.09                | /           | Pass    |
| CP-OFDM 64 QAM                     | 680.5           | Outer_Full    | 9.36                | 10.08                | /           | Pass    |
| CP-OFDM 256 QAM                    | 680.5           | Outer_Full    | 9.34                | 10.40                | /           | Pass    |

##### 3.1.3 15\_S\_15M\_NTNV

| 5G NR n71 SCS=15kHz SISO 15MHz NTN |                 |               |                     |                      |             |         |
|------------------------------------|-----------------|---------------|---------------------|----------------------|-------------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation | 99% Bandwidth (MHz) | 26dB Bandwidth (MHz) | Limit (MHz) | Verdict |
| DFT-s-OFDM PI/2 BPSK               | 680.5           | Outer_Full    | 13.50               | 14.49                | /           | Pass    |
| DFT-s-OFDM QPSK                    | 680.5           | Outer_Full    | 13.49               | 14.59                | /           | Pass    |
| DFT-s-OFDM 16 QAM                  | 680.5           | Outer_Full    | 13.57               | 14.61                | /           | Pass    |
| DFT-s-OFDM 64 QAM                  | 680.5           | Outer_Full    | 13.54               | 14.56                | /           | Pass    |
| DFT-s-OFDM 256 QAM                 | 680.5           | Outer_Full    | 13.57               | 14.61                | /           | Pass    |
| CP-OFDM QPSK                       | 680.5           | Outer_Full    | 14.21               | 15.25                | /           | Pass    |
| CP-OFDM 16 QAM                     | 680.5           | Outer_Full    | 14.23               | 15.27                | /           | Pass    |
| CP-OFDM 64 QAM                     | 680.5           | Outer_Full    | 14.21               | 15.21                | /           | Pass    |

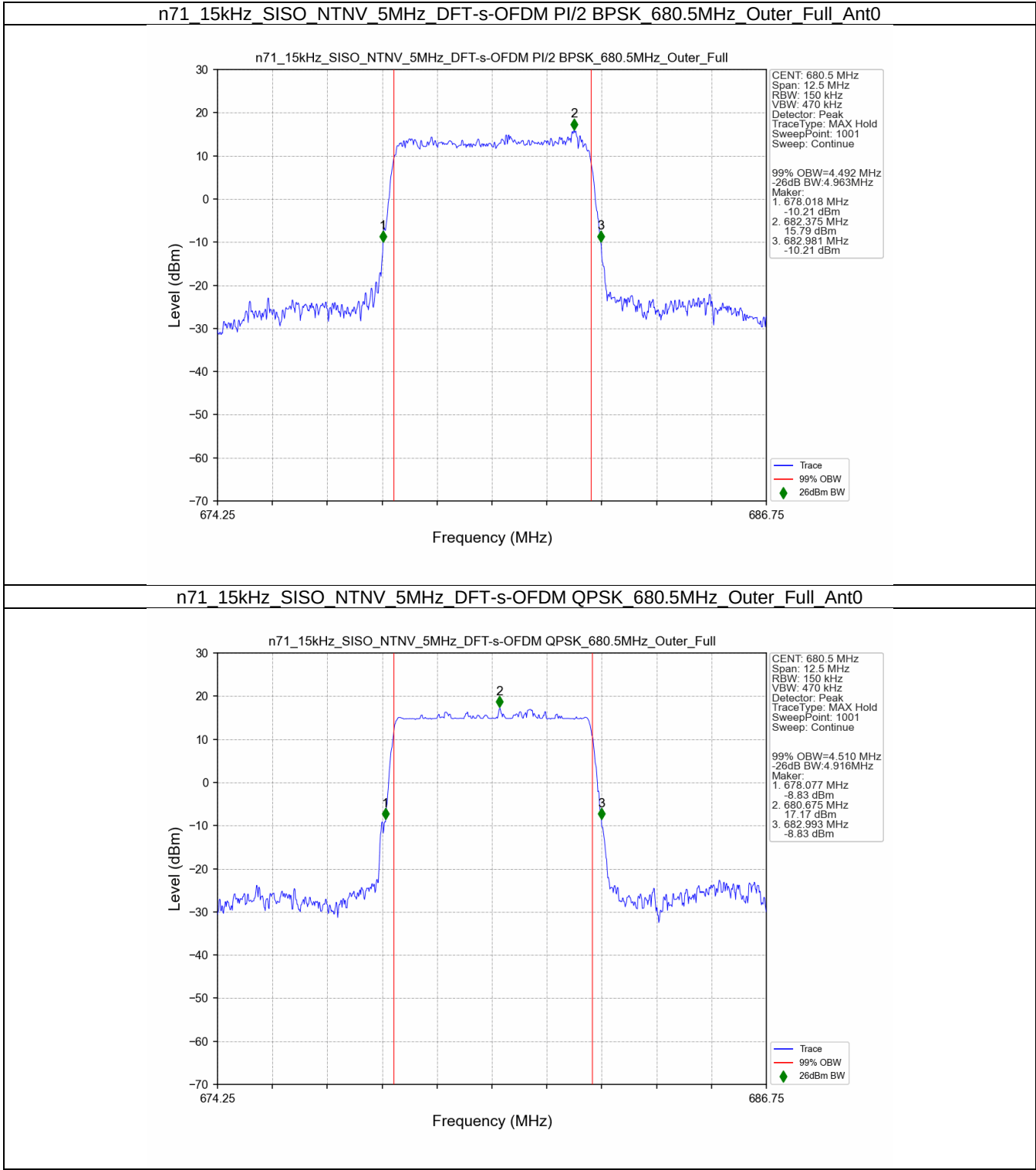
|                 |       |            |       |       |   |      |
|-----------------|-------|------------|-------|-------|---|------|
| CP-OFDM 256 QAM | 680.5 | Outer_Full | 14.19 | 15.24 | / | Pass |
|-----------------|-------|------------|-------|-------|---|------|

## 3.1.4 15\_S\_20M\_NTNV

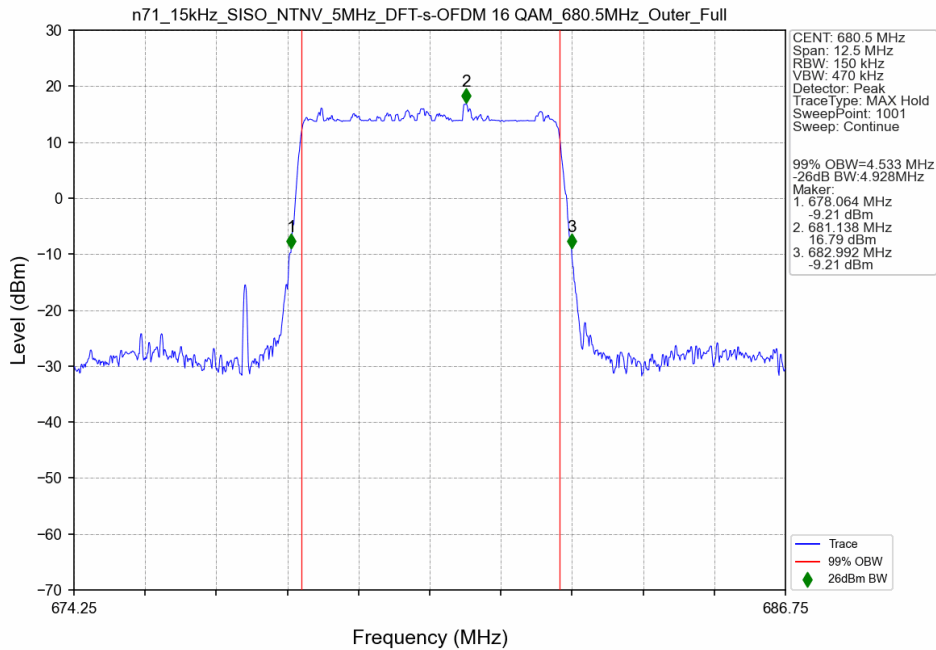
| 5G NR n71 SCS=15kHz SISO 20MHz NTN |                 |               |                     |                      |             |         |
|------------------------------------|-----------------|---------------|---------------------|----------------------|-------------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation | 99% Bandwidth (MHz) | 26dB Bandwidth (MHz) | Limit (MHz) | Verdict |
| DFT-s-OFDM PI/2 BPSK               | 680.5           | Outer_Full    | 18.01               | 19.33                | /           | Pass    |
| DFT-s-OFDM QPSK                    | 680.5           | Outer_Full    | 18.06               | 19.36                | /           | Pass    |
| DFT-s-OFDM 16 QAM                  | 680.5           | Outer_Full    | 18.00               | 20.21                | /           | Pass    |
| DFT-s-OFDM 64 QAM                  | 680.5           | Outer_Full    | 18.04               | 19.44                | /           | Pass    |
| DFT-s-OFDM 256 QAM                 | 680.5           | Outer_Full    | 18.02               | 19.40                | /           | Pass    |
| CP-OFDM QPSK                       | 680.5           | Outer_Full    | 19.07               | 20.39                | /           | Pass    |
| CP-OFDM 16 QAM                     | 680.5           | Outer_Full    | 19.07               | 20.42                | /           | Pass    |
| CP-OFDM 64 QAM                     | 680.5           | Outer_Full    | 19.04               | 20.44                | /           | Pass    |
| CP-OFDM 256 QAM                    | 680.5           | Outer_Full    | 19.01               | 20.37                | /           | Pass    |

3.2 Test Graph

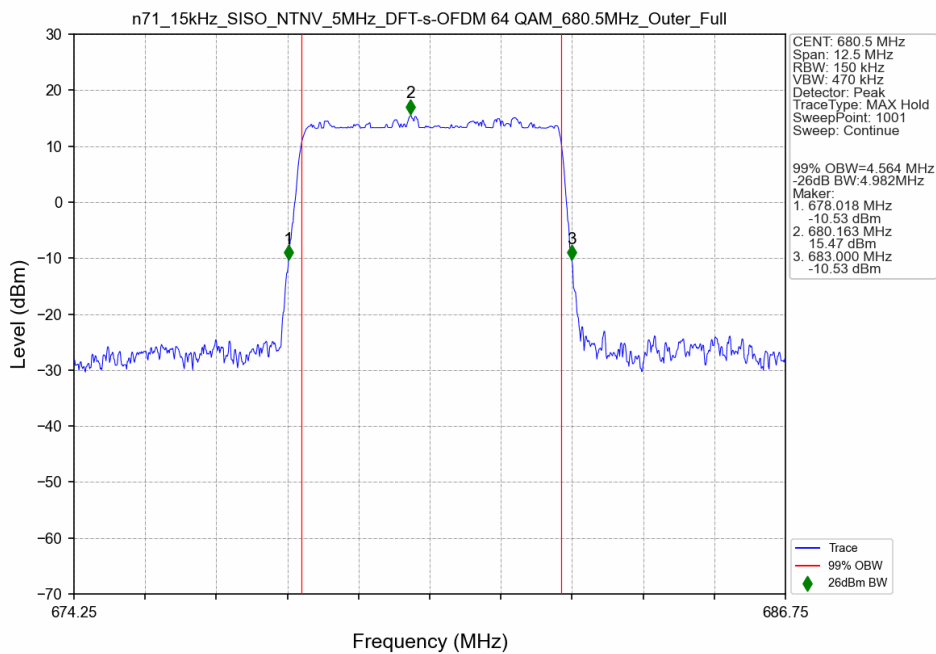
3.2.1 15\_S\_5M\_NTNV



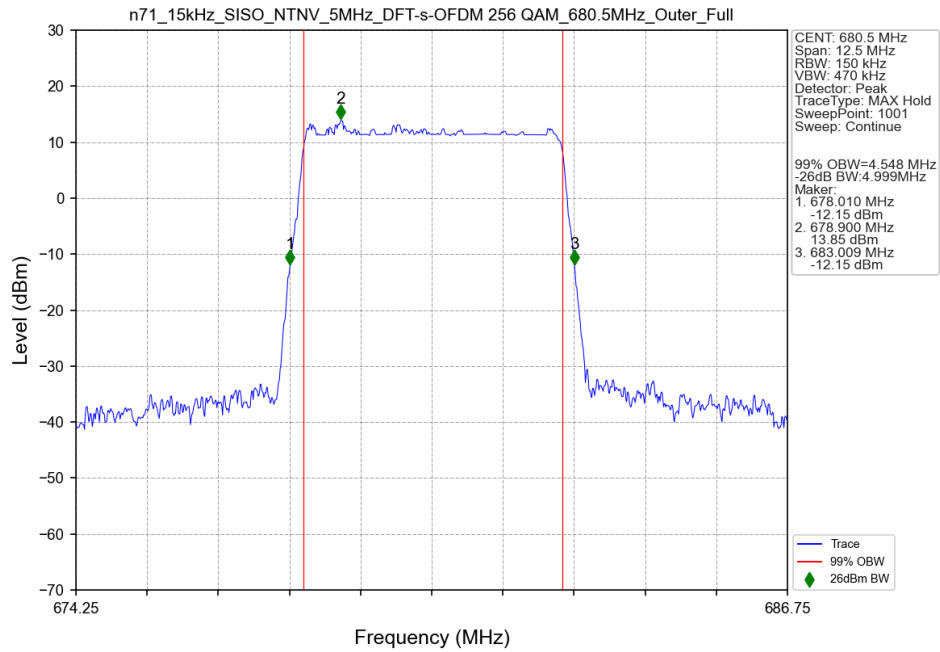
n71\_15kHz\_SISO\_NTNV\_5MHz\_DFT-s-OFDM 16 QAM 680.5MHz\_Outer\_Full\_Ant0



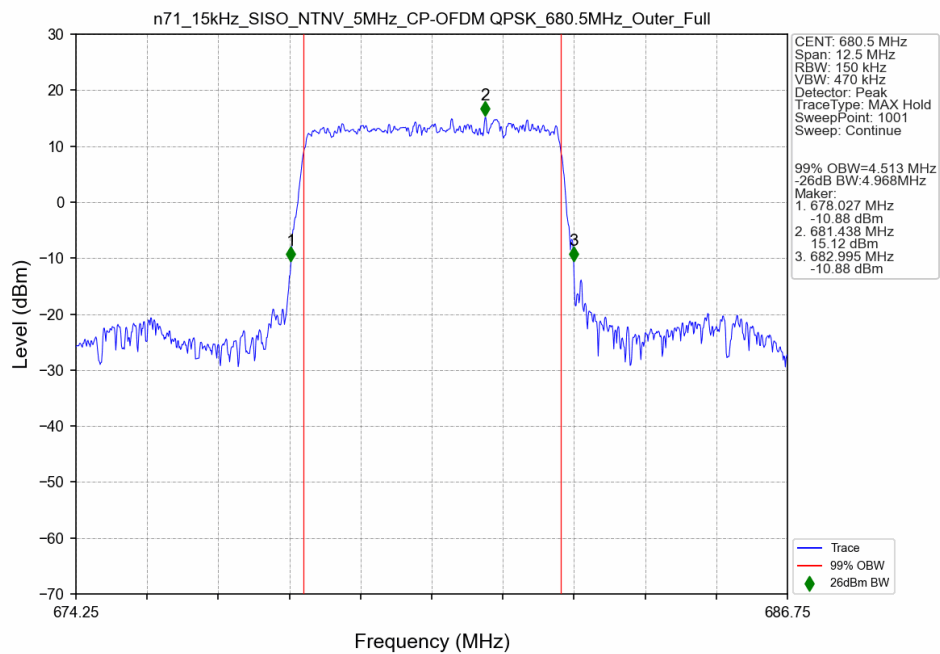
n71\_15kHz\_SISO\_NTNV\_5MHz\_DFT-s-OFDM 64 QAM 680.5MHz\_Outer\_Full\_Ant0



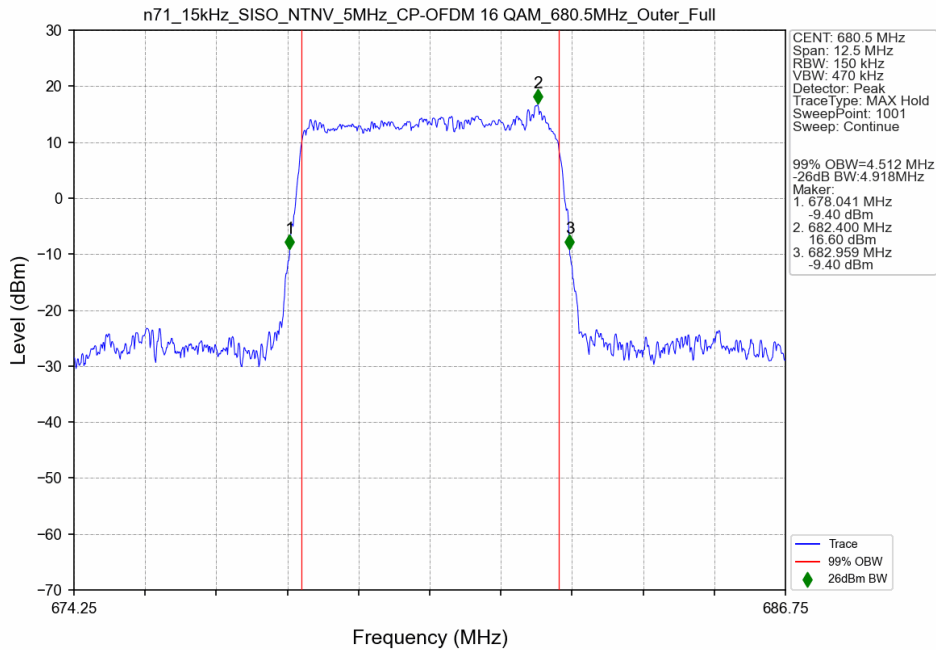
n71\_15kHz\_SISO\_NTNV\_5MHz\_DFT-s-OFDM 256 QAM\_680.5MHz\_Outer\_Full\_Ant0



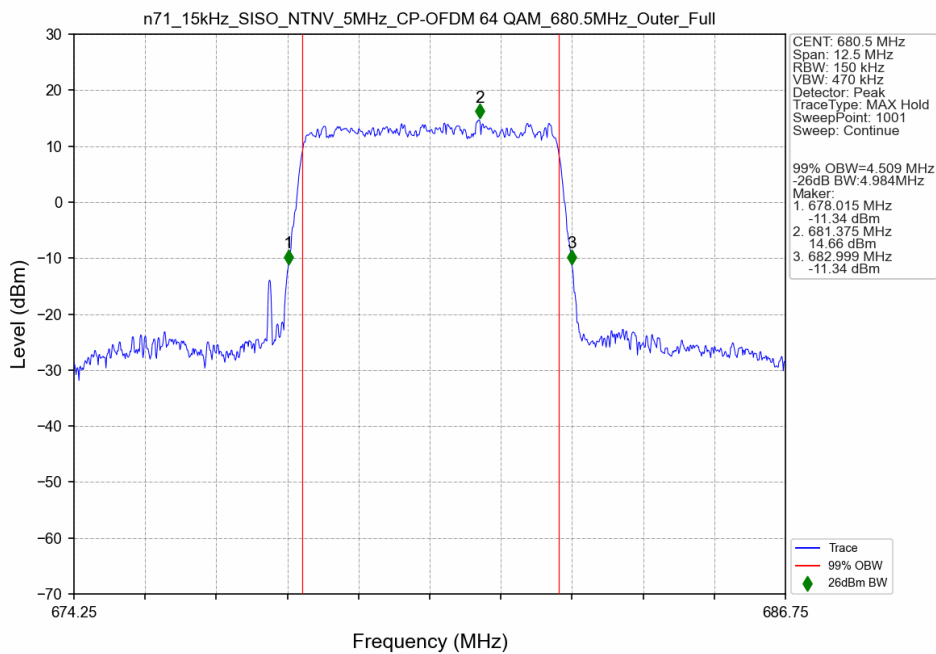
n71\_15kHz\_SISO\_NTNV\_5MHz\_CP-OFDM QPSK\_680.5MHz\_Outer\_Full\_Ant0

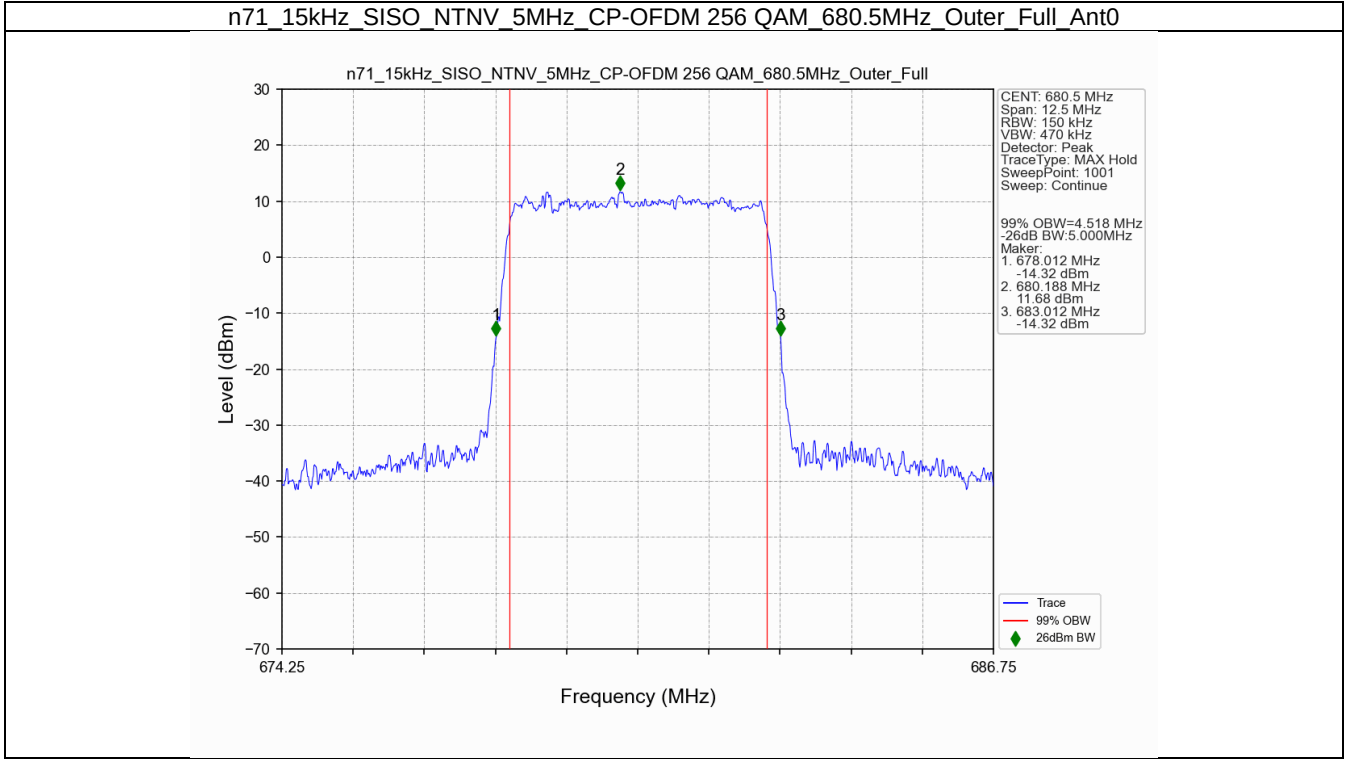


n71\_15kHz\_SISO\_NTNV\_5MHz\_CP-OFDM 16 QAM 680.5MHz\_Outer\_Full\_Ant0

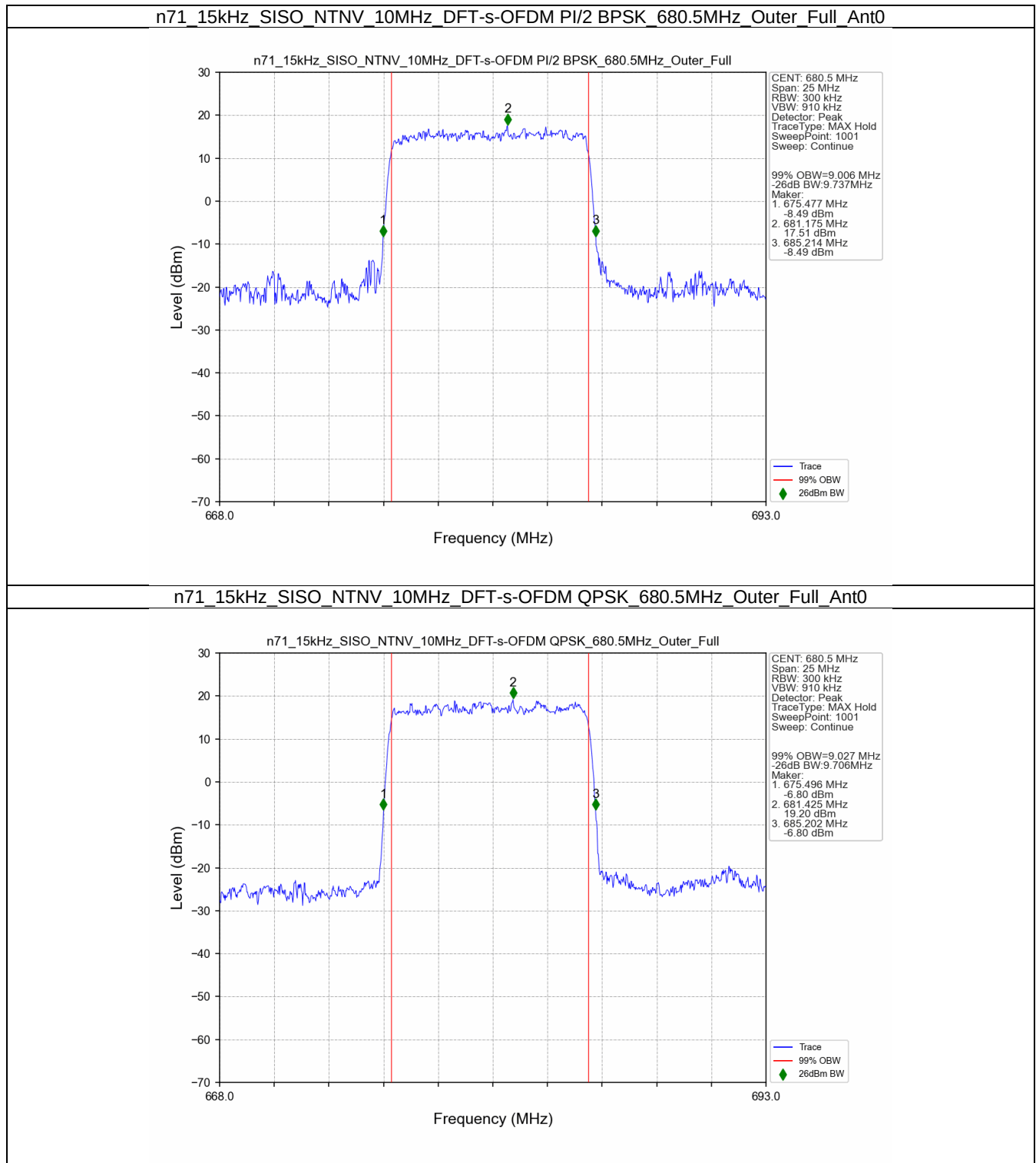


n71\_15kHz\_SISO\_NTNV\_5MHz\_CP-OFDM 64 QAM 680.5MHz\_Outer\_Full\_Ant0

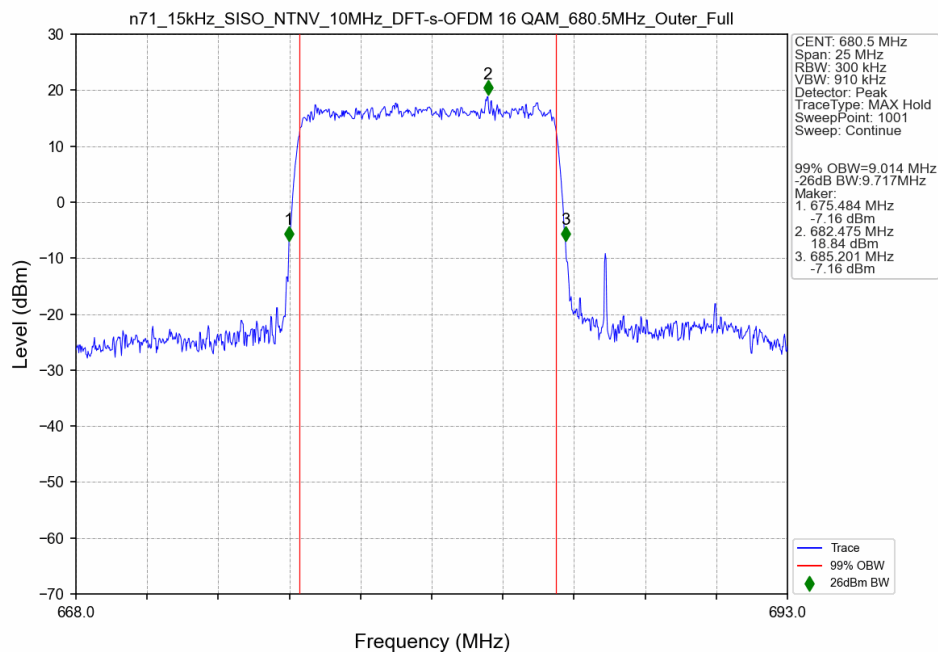




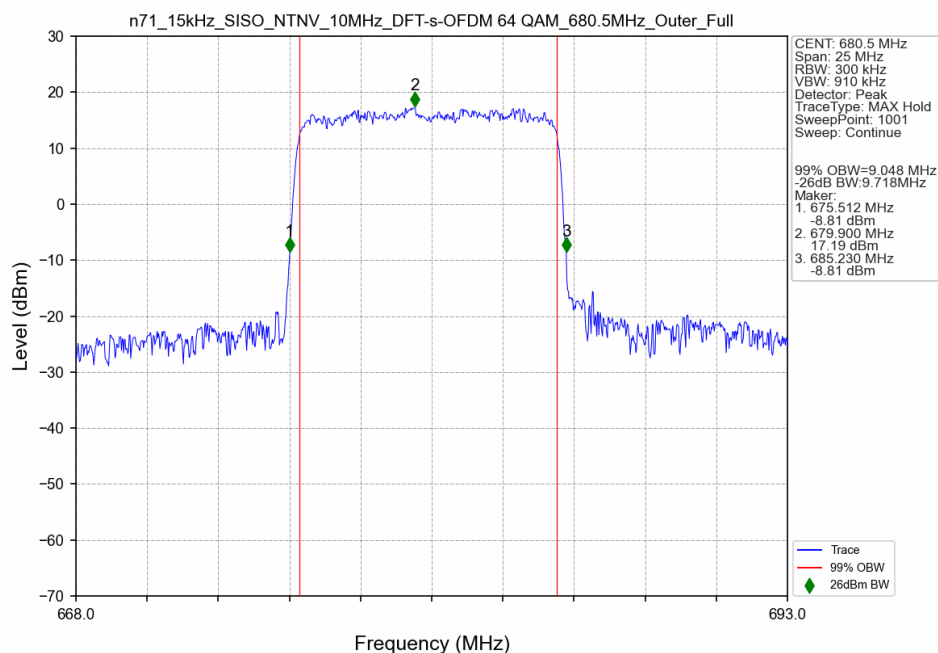
## 3.2.2 15\_S\_10M\_NTNV



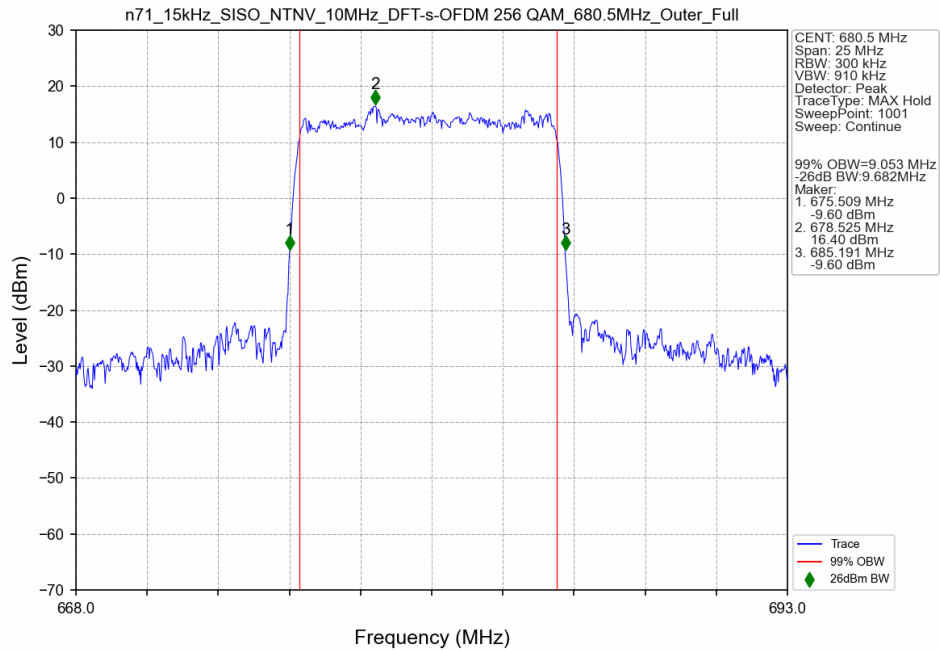
n71\_15kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM 16 QAM\_680.5MHz\_Outer\_Full\_Ant0



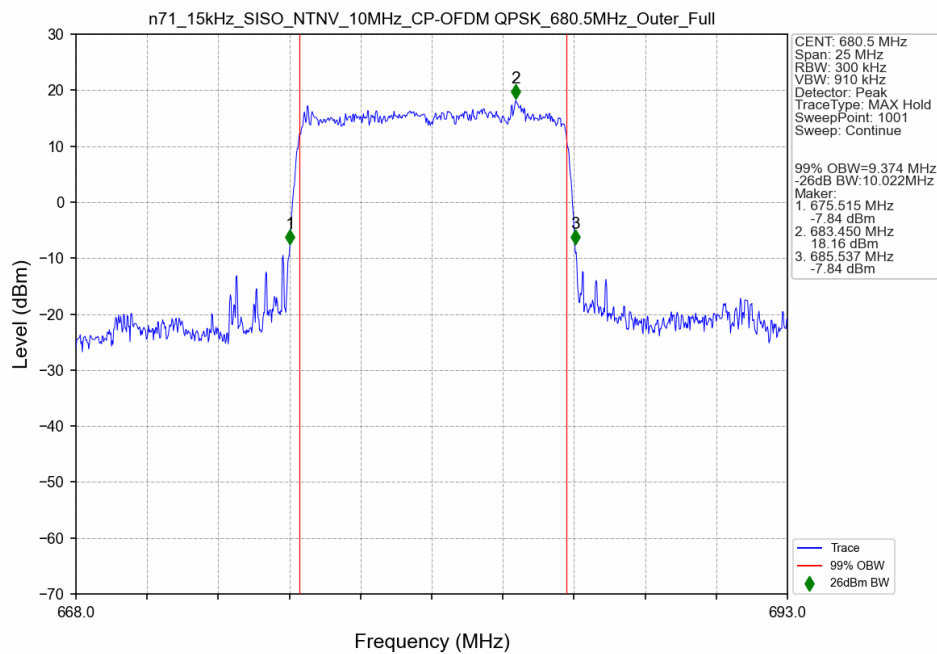
n71\_15kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM 64 QAM\_680.5MHz\_Outer\_Full\_Ant0



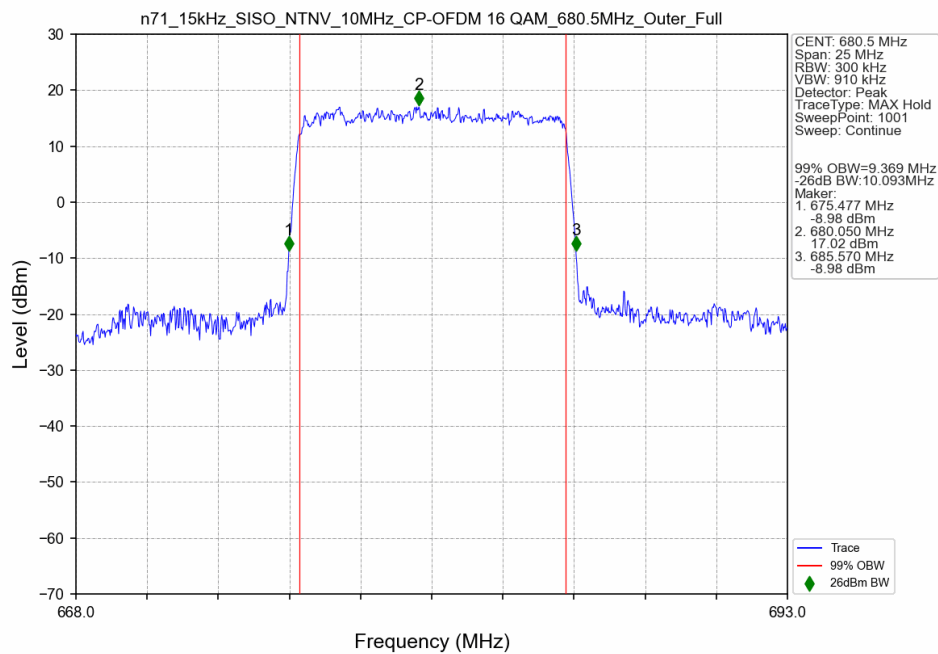
## n71\_15kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM 256 QAM\_680.5MHz\_Outer\_Full\_Ant0



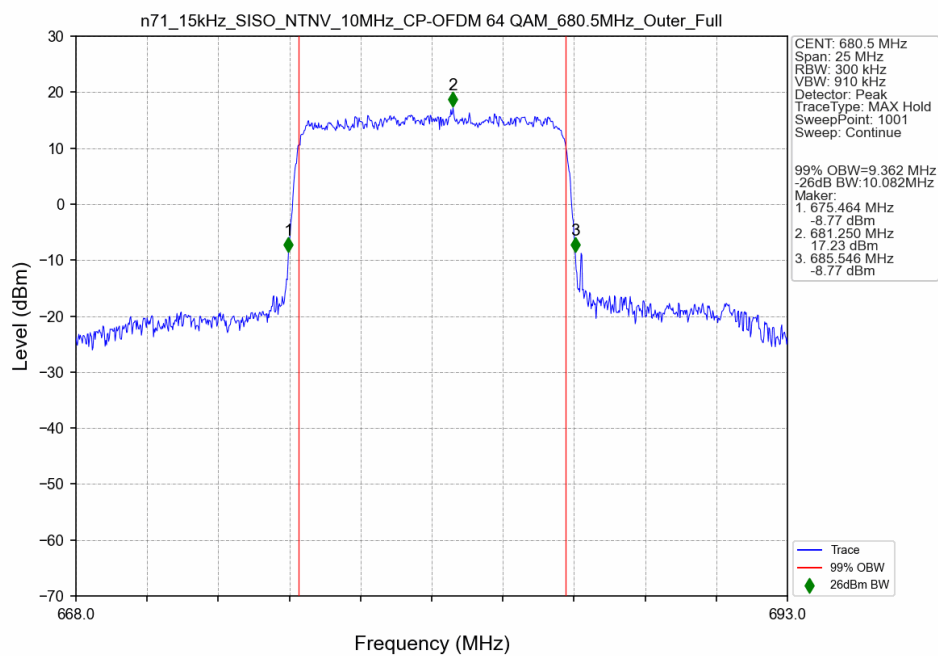
## n71\_15kHz\_SISO\_NTNV\_10MHz\_CP-OFDM QPSK\_680.5MHz\_Outer\_Full\_Ant0

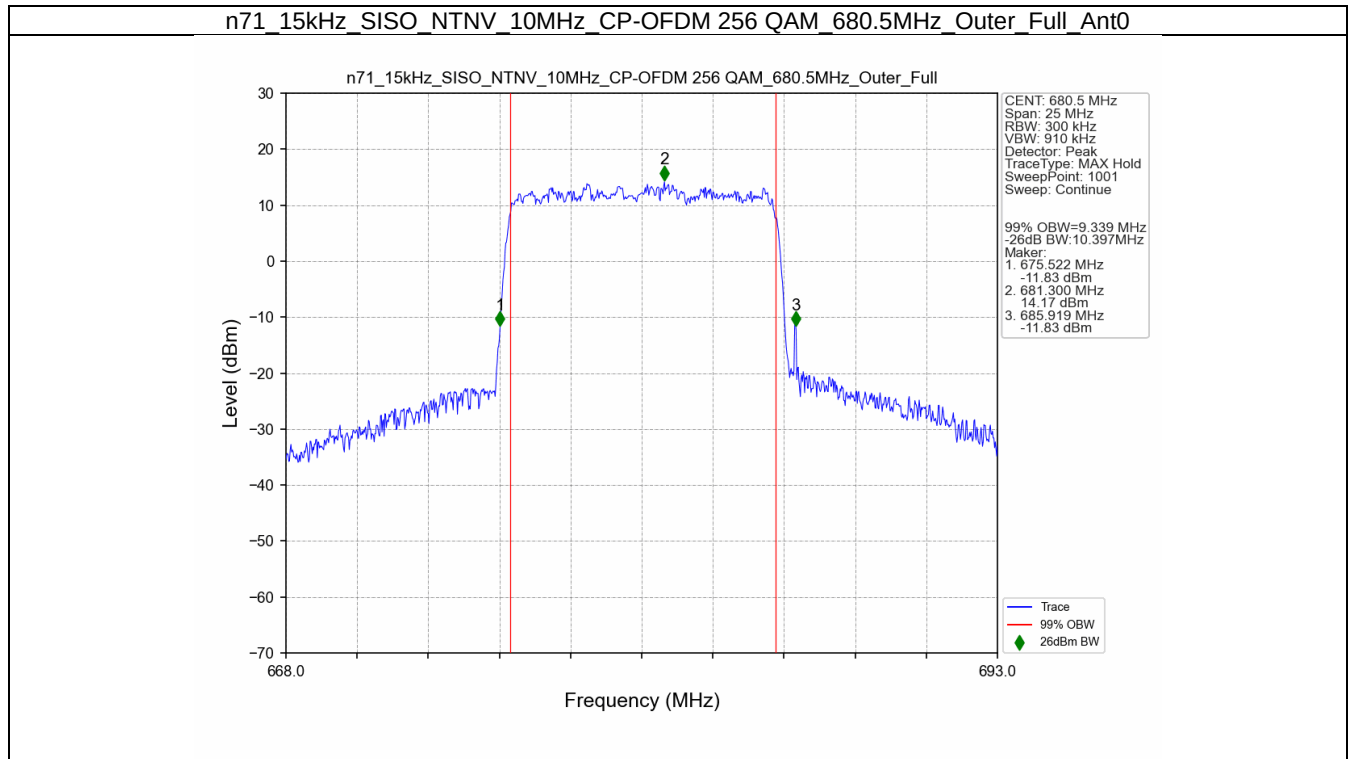


n71\_15kHz\_SISO\_NTNV\_10MHz\_CP-OFDM 16 QAM 680.5MHz\_Outer\_Full\_Ant0

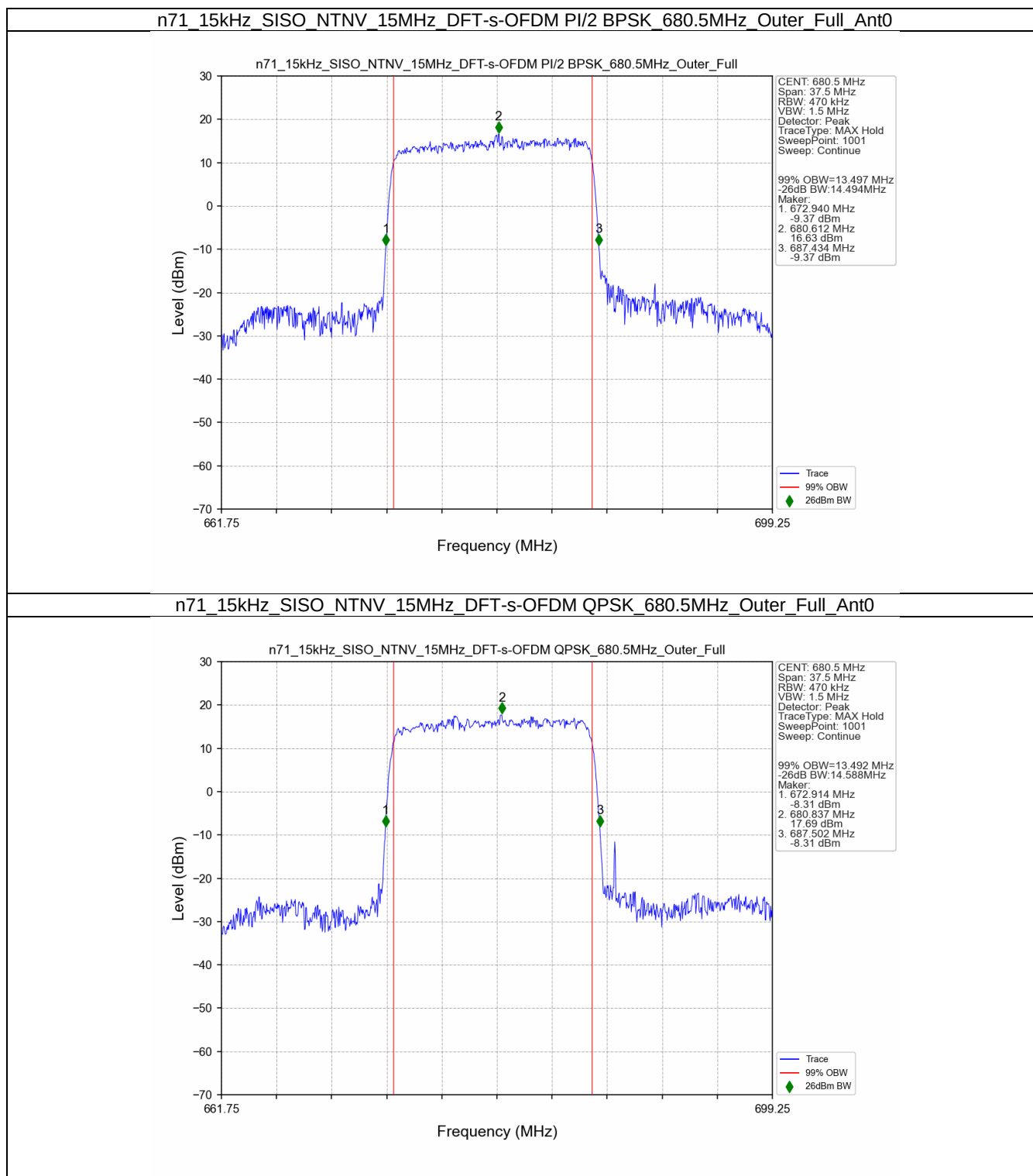


n71\_15kHz\_SISO\_NTNV\_10MHz\_CP-OFDM 64 QAM 680.5MHz\_Outer\_Full\_Ant0

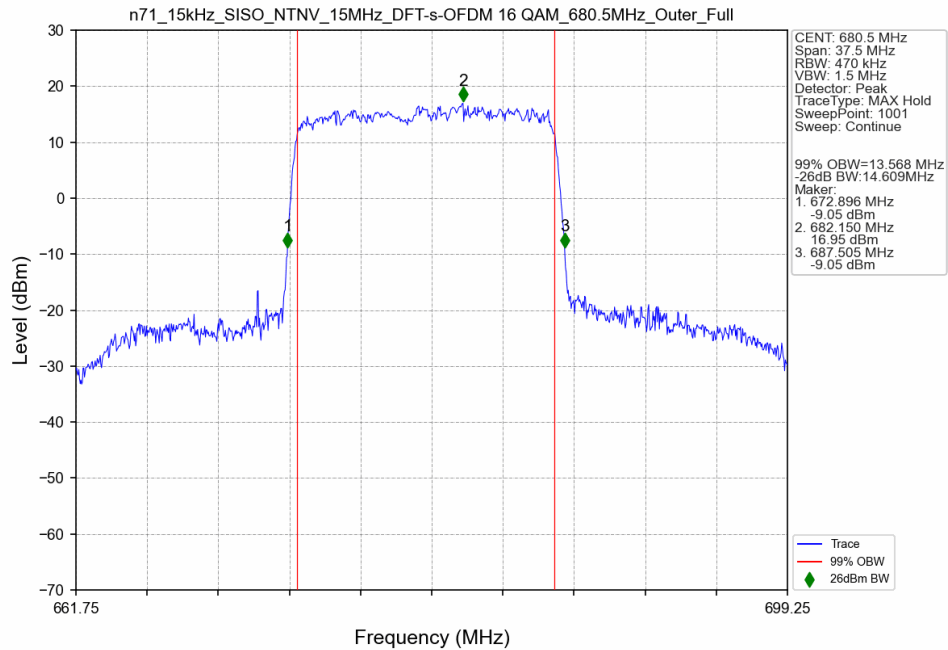




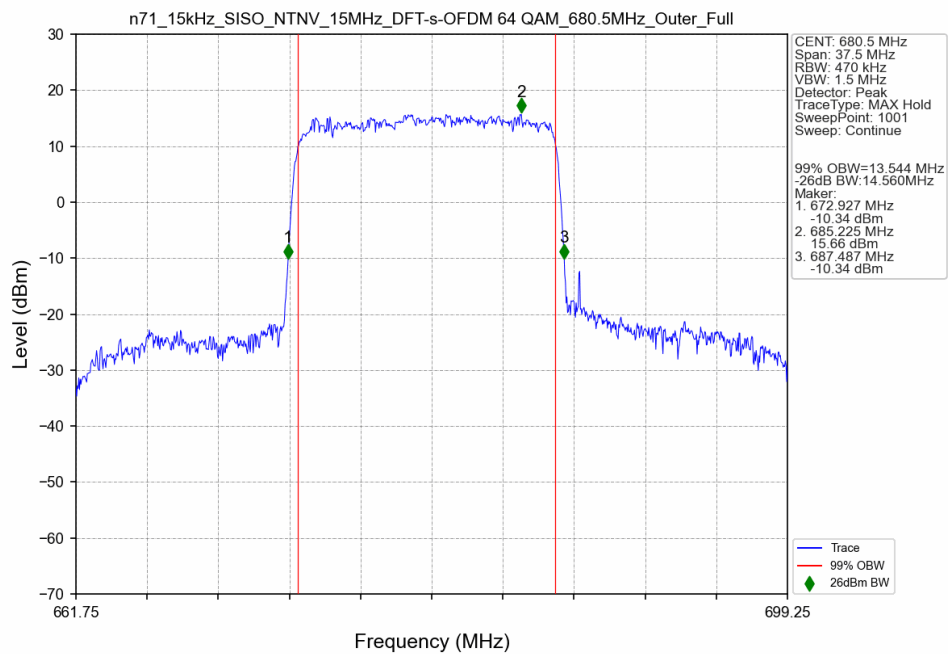
## 3.2.3 15\_S\_15M\_NTNV

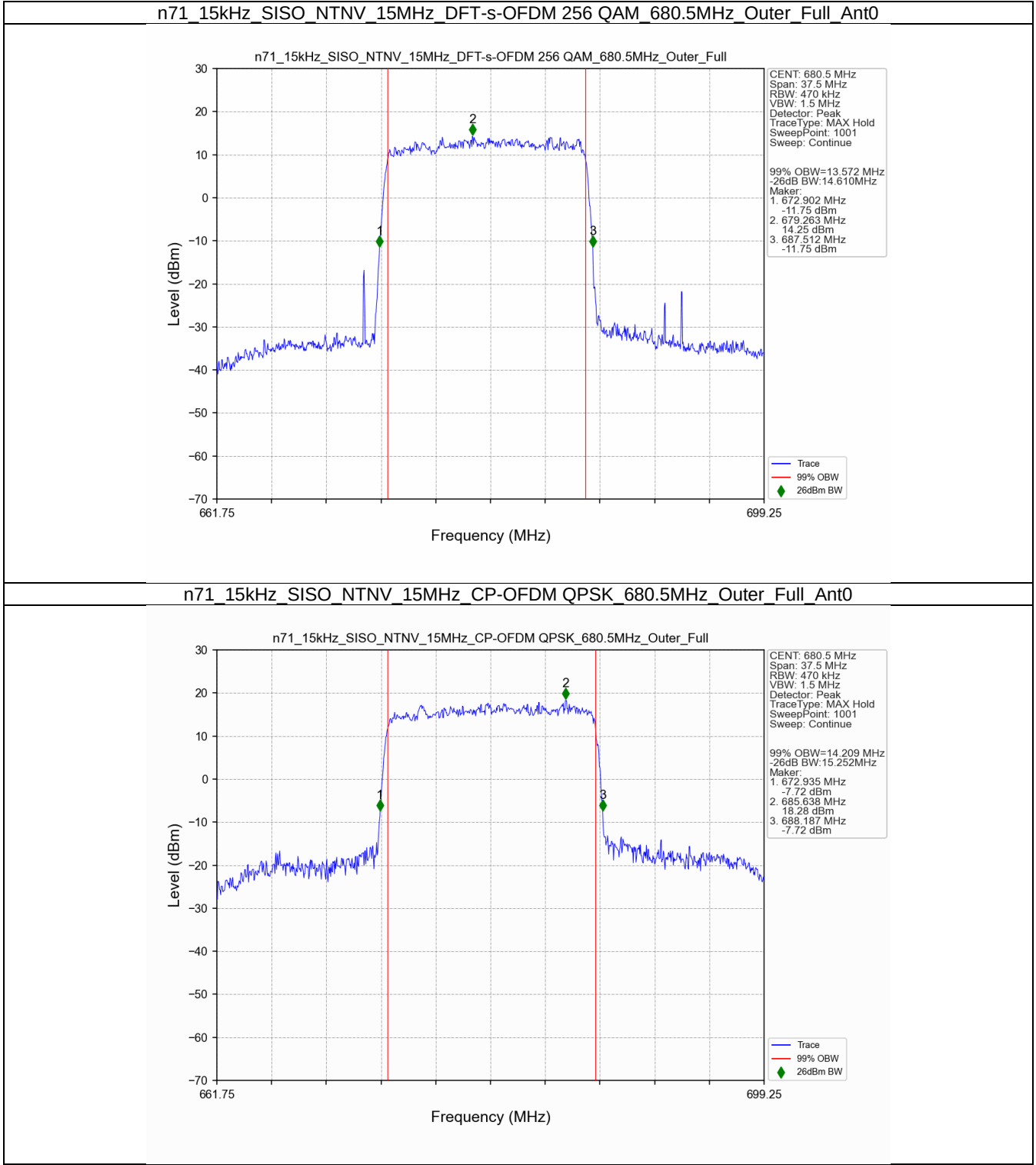


## n71\_15kHz\_SISO\_NTNV\_15MHz\_DFT-s-OFDM 16 QAM\_680.5MHz\_Outer\_Full\_Ant0

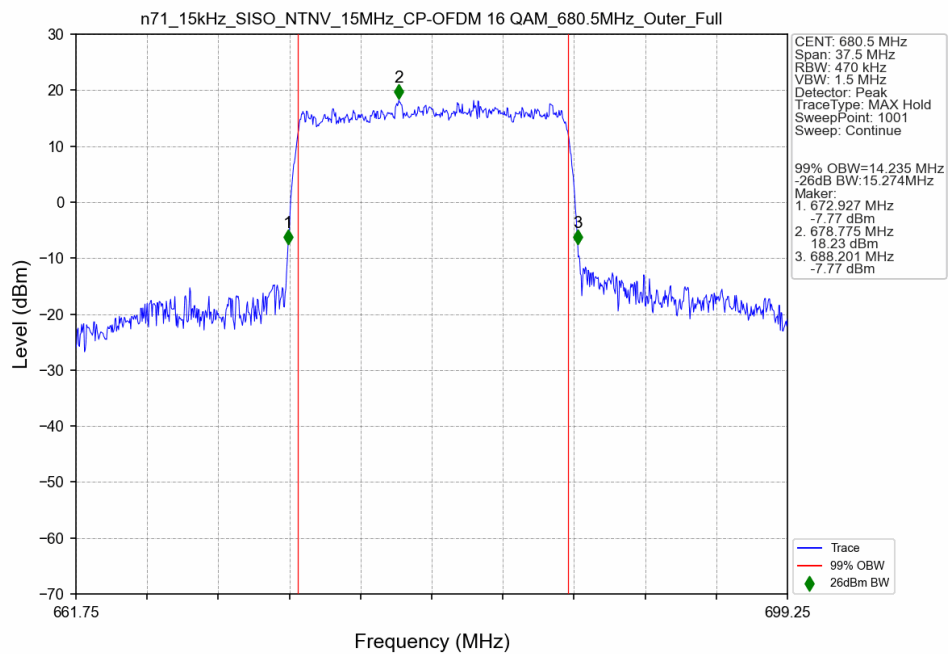


## n71\_15kHz\_SISO\_NTNV\_15MHz\_DFT-s-OFDM 64 QAM\_680.5MHz\_Outer\_Full\_Ant0

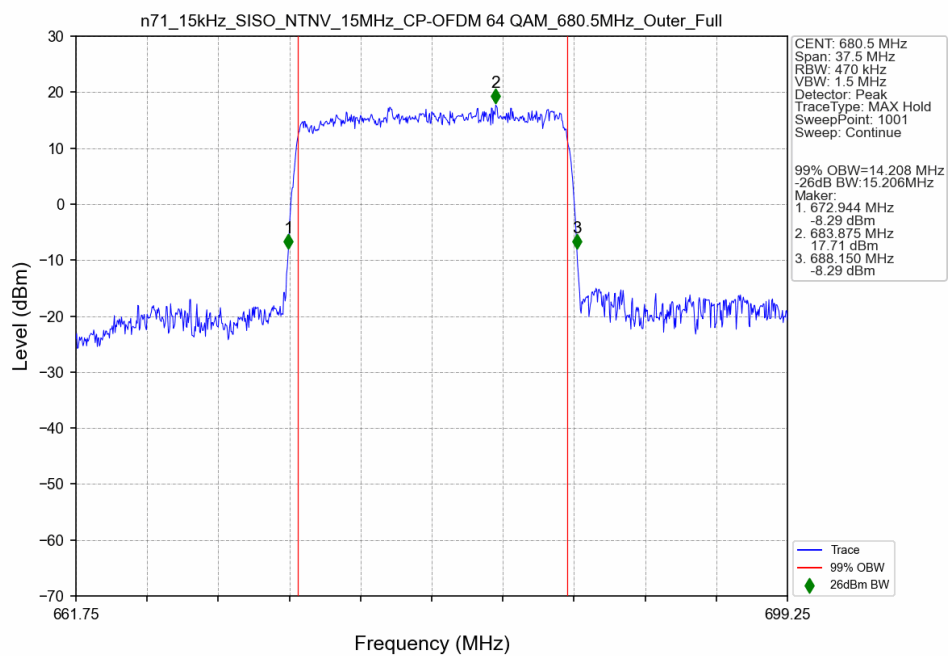


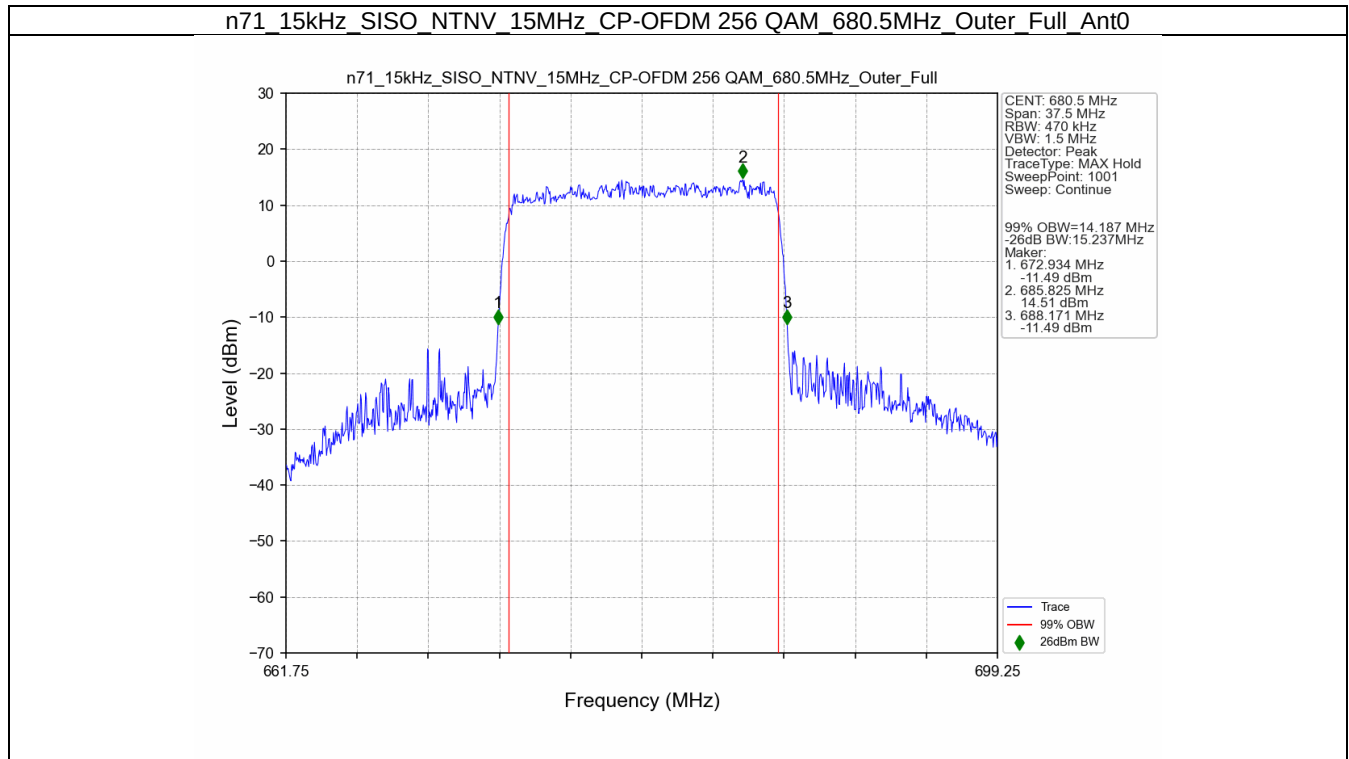


n71\_15kHz\_SISO\_NTNV\_15MHz\_CP-OFDM 16 QAM 680.5MHz\_Outer\_Full\_Ant0

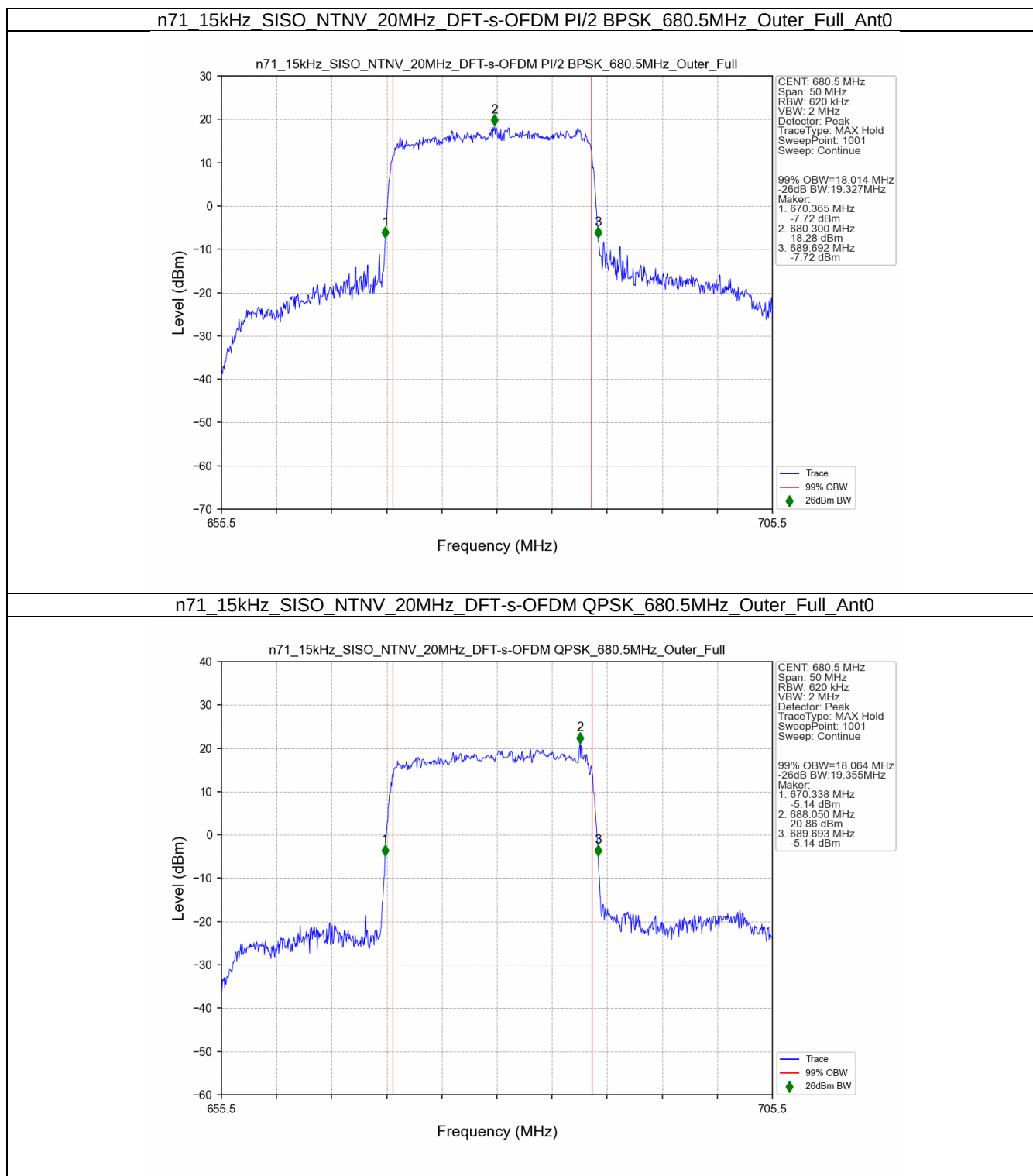


n71\_15kHz\_SISO\_NTNV\_15MHz\_CP-OFDM 64 QAM 680.5MHz\_Outer\_Full\_Ant0

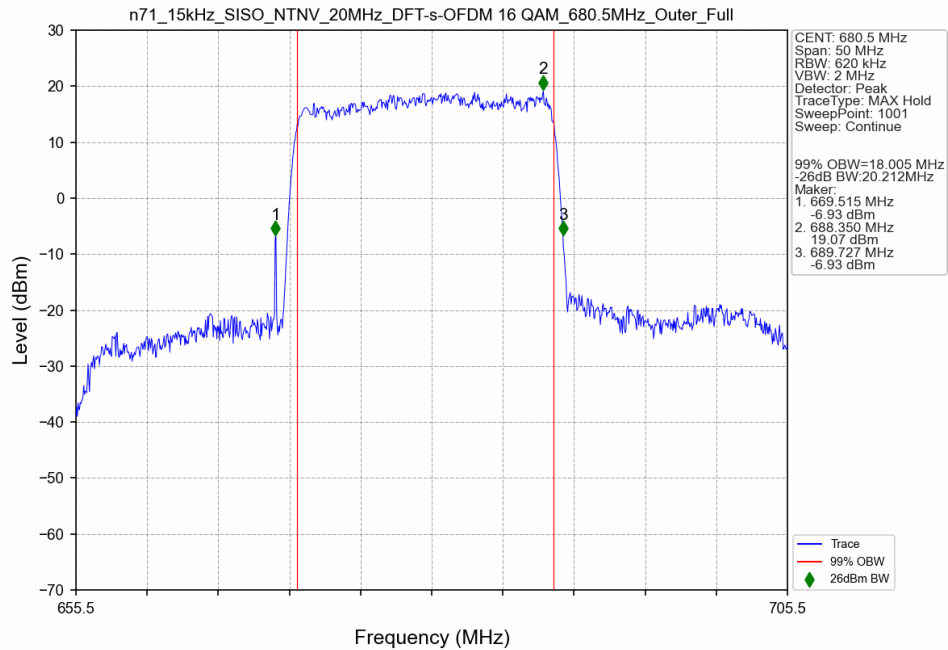




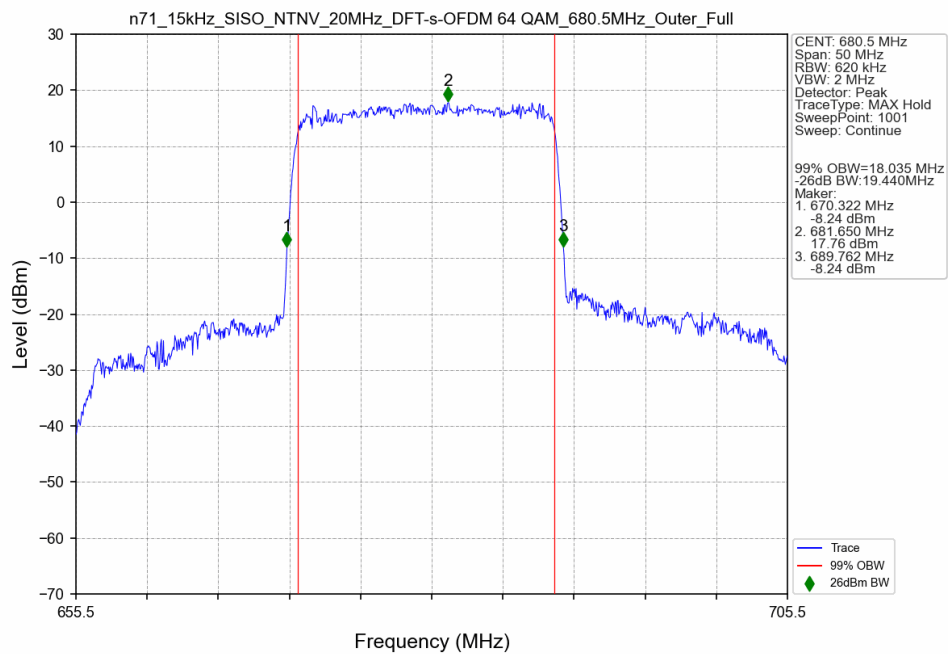
## 3.2.4 15\_S\_20M\_NTNV

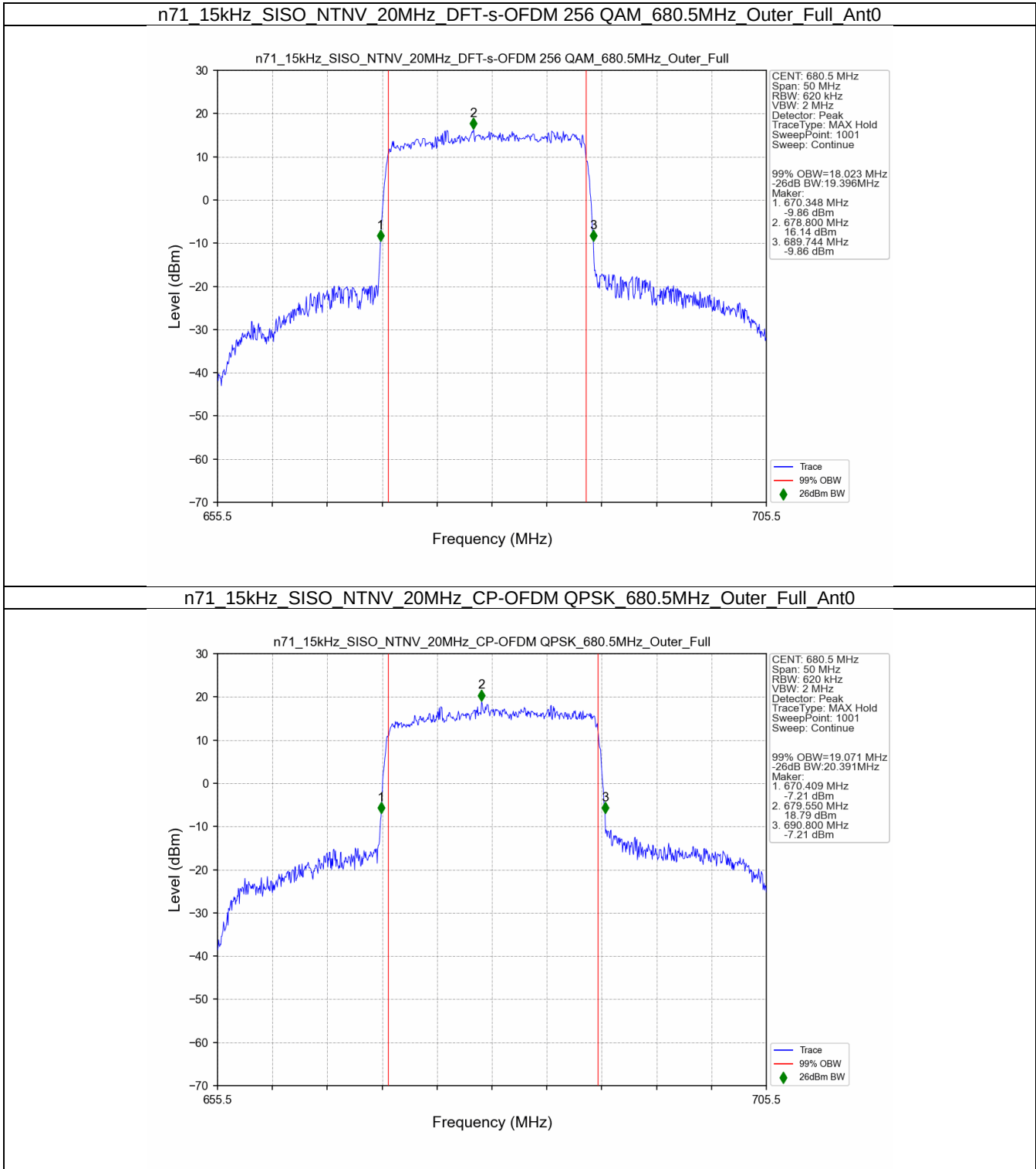


n71\_15kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM 16 QAM\_680.5MHz\_Outer\_Full\_Ant0

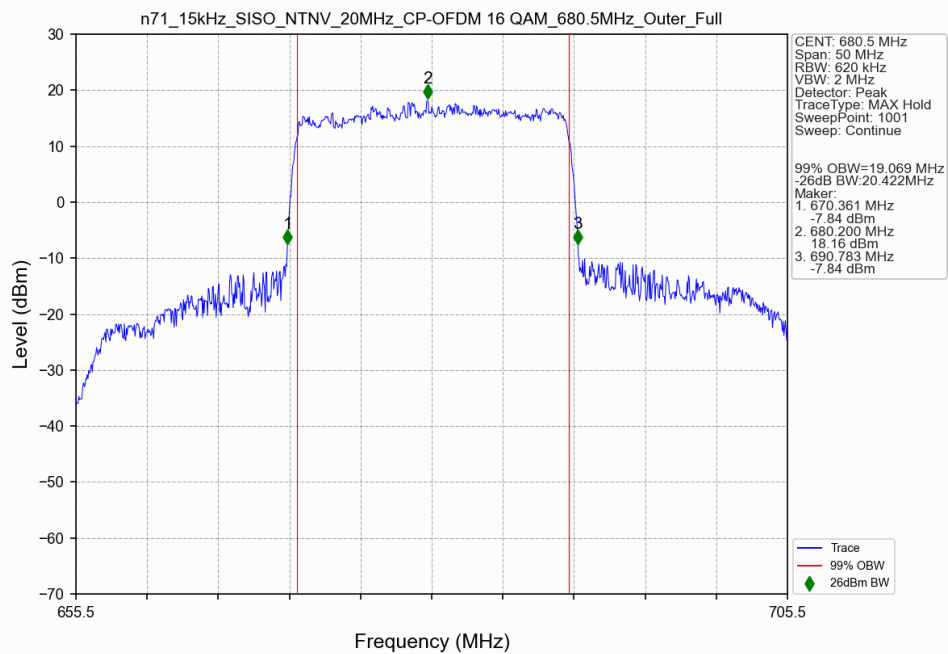


n71\_15kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM 64 QAM\_680.5MHz\_Outer\_Full\_Ant0

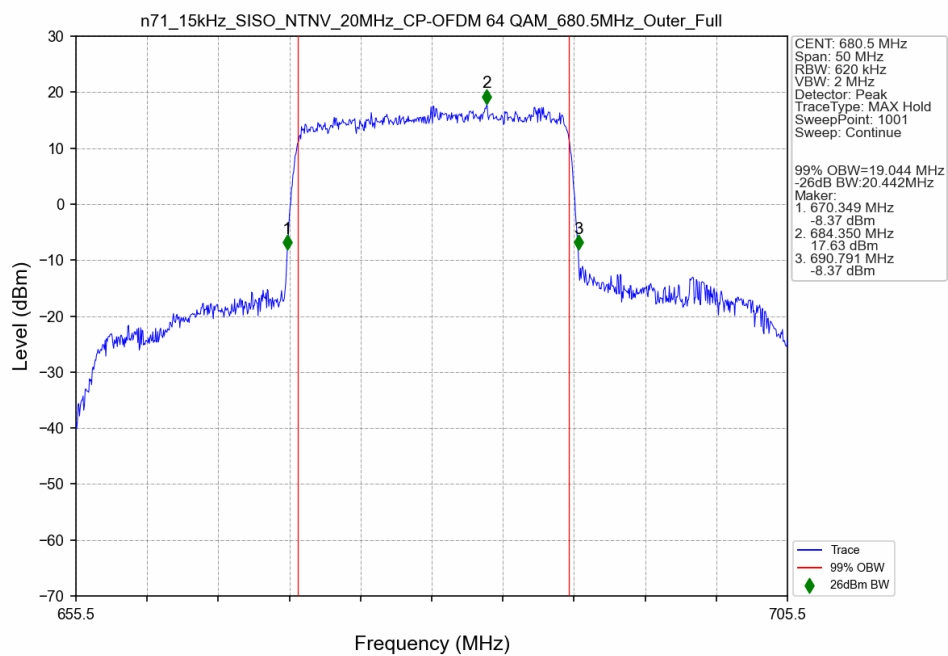


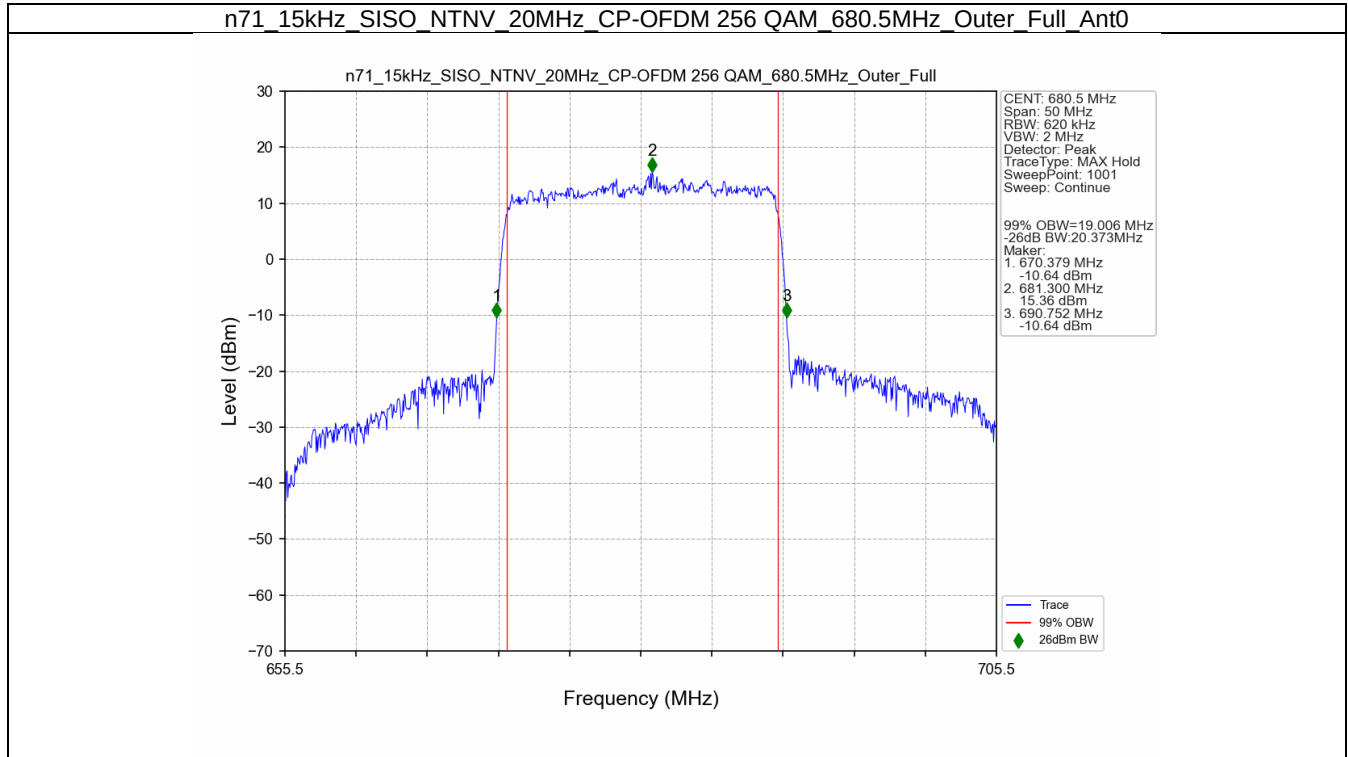


n71\_15kHz\_SISO\_NTNV\_20MHz\_CP-OFDM 16 QAM 680.5MHz\_Outer\_Full\_Ant0



n71\_15kHz\_SISO\_NTNV\_20MHz\_CP-OFDM 64 QAM 680.5MHz\_Outer\_Full\_Ant0





## 4. Peak-Average Ratio

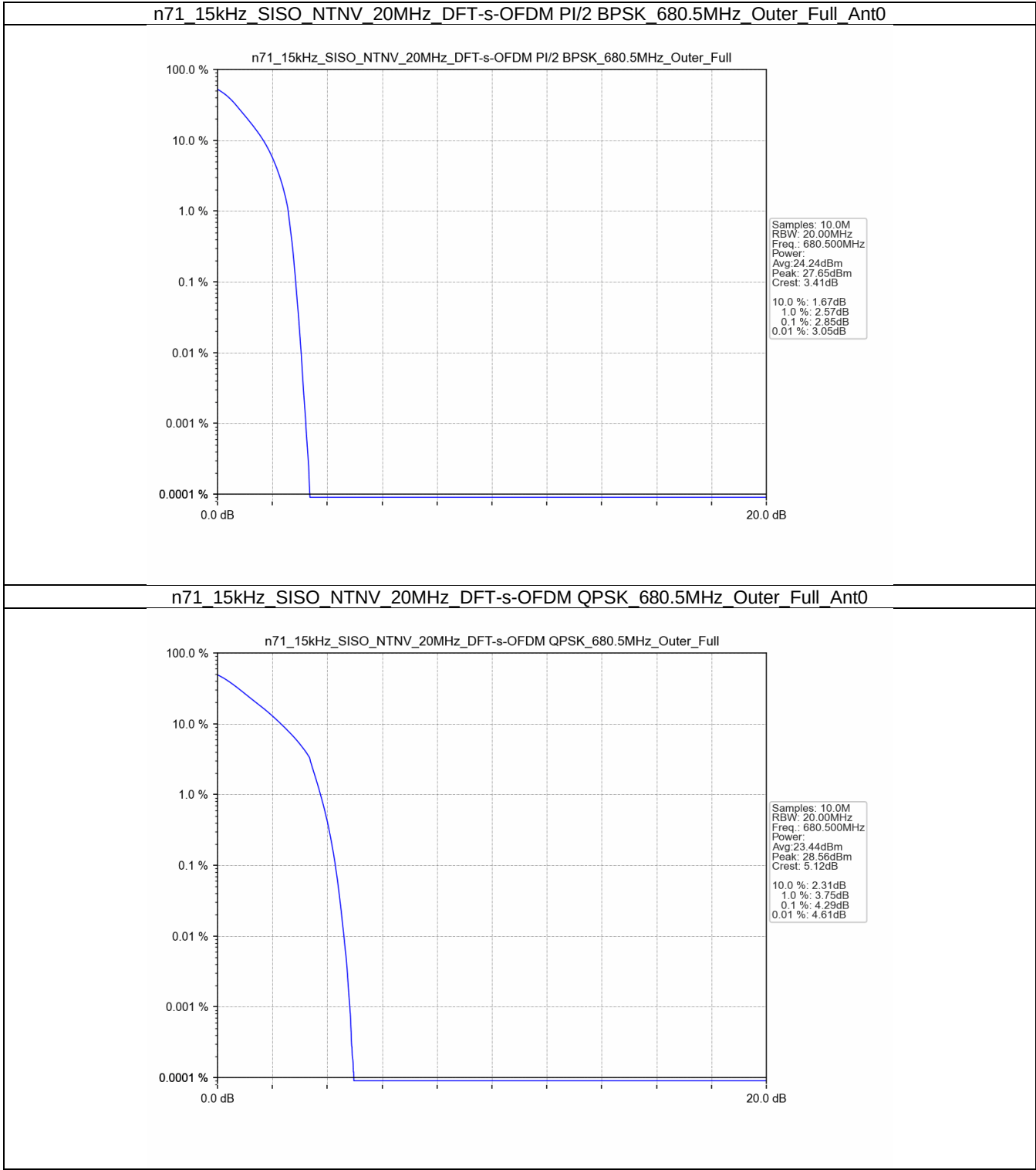
### 4.1 Test Result

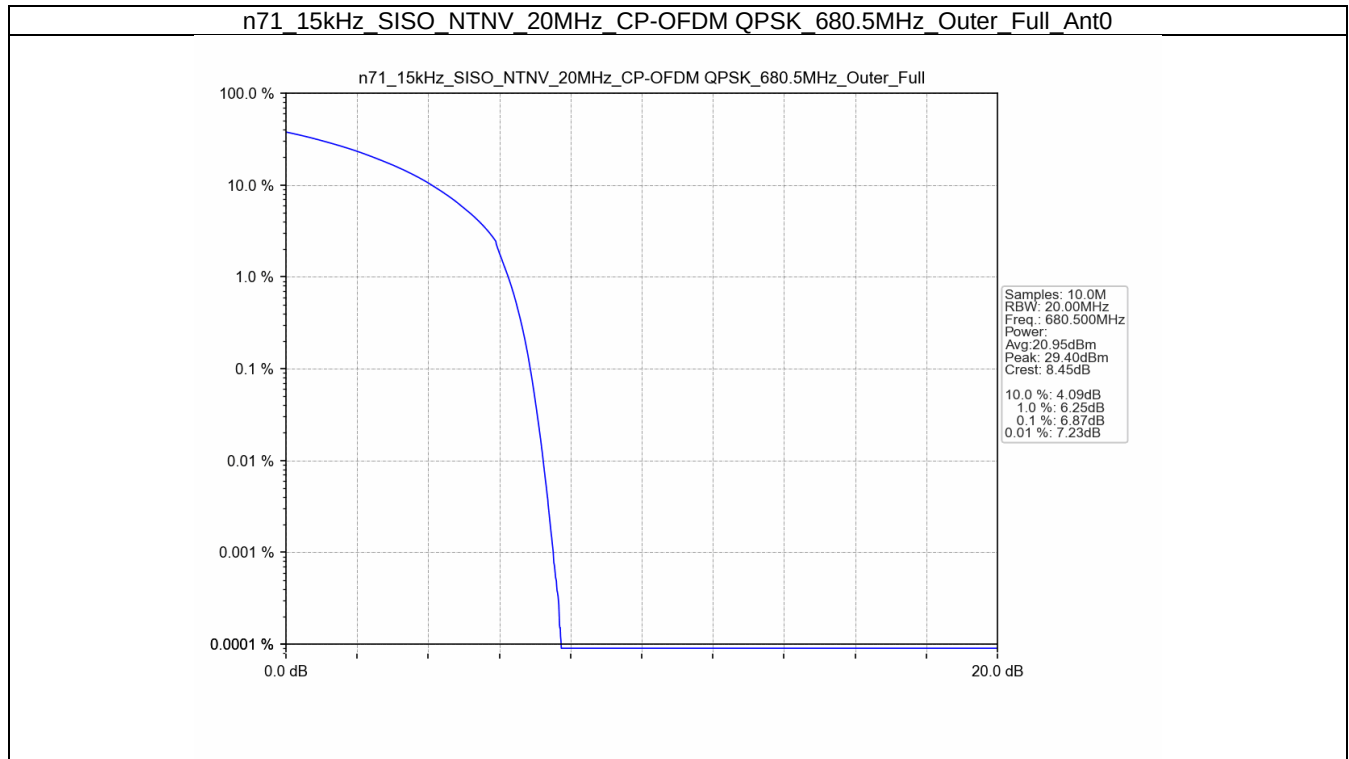
#### 4.1.1 15\_S\_20M\_NTNV

| 5G NR n71 SCS=15kHz SISO 20MHz NTN |                 |               |                         |      |     |       |         |
|------------------------------------|-----------------|---------------|-------------------------|------|-----|-------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation | Peak-Average Ratio (dB) |      |     |       | Verdict |
|                                    |                 |               | Ant0                    | Ant2 | Sum | Limit |         |
| DFT-s-OFDM PI/2 BPSK               | 680.5           | Outer_Full    | 2.85                    | /    | /   | <=13  | Pass    |
| DFT-s-OFDM QPSK                    | 680.5           | Outer_Full    | 4.29                    | /    | /   | <=13  | Pass    |
| CP-OFDM QPSK                       | 680.5           | Outer_Full    | 6.87                    | /    | /   | <=13  | Pass    |

4.2 Test Graph

4.2.1 15\_S\_20M\_NTNV





## 5. Spurious Emission

### 5.1 Test Result

#### 5.1.1 15\_S\_5M\_NTNV

| 5G NR n71 SCS=15kHz SISO 5MHz NTNV |                 |                |                     |      |     |       |         |
|------------------------------------|-----------------|----------------|---------------------|------|-----|-------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation  | Spurious Emission   |      |     |       | Verdict |
|                                    |                 |                | Ant0                | Ant2 | Sum | Limit |         |
| DFT-s-OFDM PI/2 BPSK               | 665.5           | Edge_1RB_Left  | Refer To Test Graph |      |     |       | Pass    |
|                                    |                 | Outer_Full     | Refer To Test Graph |      |     |       | Pass    |
|                                    | 680.5           | Edge_1RB_Left  | Refer To Test Graph |      |     |       | Pass    |
|                                    |                 | Edge_1RB_Right | Refer To Test Graph |      |     |       | Pass    |
|                                    | 695.5           | Edge_1RB_Right | Refer To Test Graph |      |     |       | Pass    |
|                                    |                 | Outer_Full     | Refer To Test Graph |      |     |       | Pass    |
| DFT-s-OFDM QPSK                    | 665.5           | Edge_1RB_Left  | Refer To Test Graph |      |     |       | Pass    |
|                                    |                 | Outer_Full     | Refer To Test Graph |      |     |       | Pass    |
|                                    | 680.5           | Edge_1RB_Left  | Refer To Test Graph |      |     |       | Pass    |
|                                    |                 | Edge_1RB_Right | Refer To Test Graph |      |     |       | Pass    |
|                                    | 695.5           | Edge_1RB_Right | Refer To Test Graph |      |     |       | Pass    |
|                                    |                 | Outer_Full     | Refer To Test Graph |      |     |       | Pass    |
| CP-OFDM QPSK                       | 665.5           | Edge_1RB_Left  | Refer To Test Graph |      |     |       | Pass    |
|                                    |                 | Outer_Full     | Refer To Test Graph |      |     |       | Pass    |
|                                    | 680.5           | Edge_1RB_Left  | Refer To Test Graph |      |     |       | Pass    |
|                                    |                 | Edge_1RB_Right | Refer To Test Graph |      |     |       | Pass    |
|                                    | 695.5           | Edge_1RB_Right | Refer To Test Graph |      |     |       | Pass    |
|                                    |                 | Outer_Full     | Refer To Test Graph |      |     |       | Pass    |

#### 5.1.2 15\_S\_15M\_NTNV

| 5G NR n71 SCS=15kHz SISO 15MHz NTNv |                 |                |                     |      |     |       |         |
|-------------------------------------|-----------------|----------------|---------------------|------|-----|-------|---------|
| Modulation                          | Frequency (MHz) | RB Allocation  | Spurious Emission   |      |     |       | Verdict |
|                                     |                 |                | Ant0                | Ant2 | Sum | Limit |         |
| DFT-s-OFDM PI/2 BPSK                | 670.5           | Edge_1RB_Left  | Refer To Test Graph |      |     |       | Pass    |
|                                     |                 | Outer_Full     | Refer To Test Graph |      |     |       | Pass    |
|                                     | 680.5           | Edge_1RB_Left  | Refer To Test Graph |      |     |       | Pass    |
|                                     |                 | Edge_1RB_Right | Refer To Test Graph |      |     |       | Pass    |
|                                     | 690.5           | Outer_Full     | Refer To Test Graph |      |     |       | Pass    |
|                                     |                 |                |                     |      |     |       |         |
| DFT-s-OFDM QPSK                     | 670.5           | Edge_1RB_Left  | Refer To Test Graph |      |     |       | Pass    |
|                                     |                 | Outer_Full     | Refer To Test Graph |      |     |       | Pass    |
|                                     | 680.5           | Edge_1RB_Left  | Refer To Test Graph |      |     |       | Pass    |
|                                     |                 | Edge_1RB_Right | Refer To Test Graph |      |     |       | Pass    |
|                                     | 690.5           | Outer_Full     | Refer To Test Graph |      |     |       | Pass    |
|                                     |                 |                |                     |      |     |       |         |
| CP-OFDM QPSK                        | 670.5           | Edge_1RB_Left  | Refer To Test Graph |      |     |       | Pass    |
|                                     |                 | Outer_Full     | Refer To Test Graph |      |     |       | Pass    |
|                                     | 680.5           | Edge_1RB_Left  | Refer To Test Graph |      |     |       | Pass    |
|                                     |                 | Edge_1RB_Right | Refer To Test Graph |      |     |       | Pass    |
|                                     | 690.5           | Outer_Full     | Refer To Test Graph |      |     |       | Pass    |
|                                     |                 |                |                     |      |     |       |         |

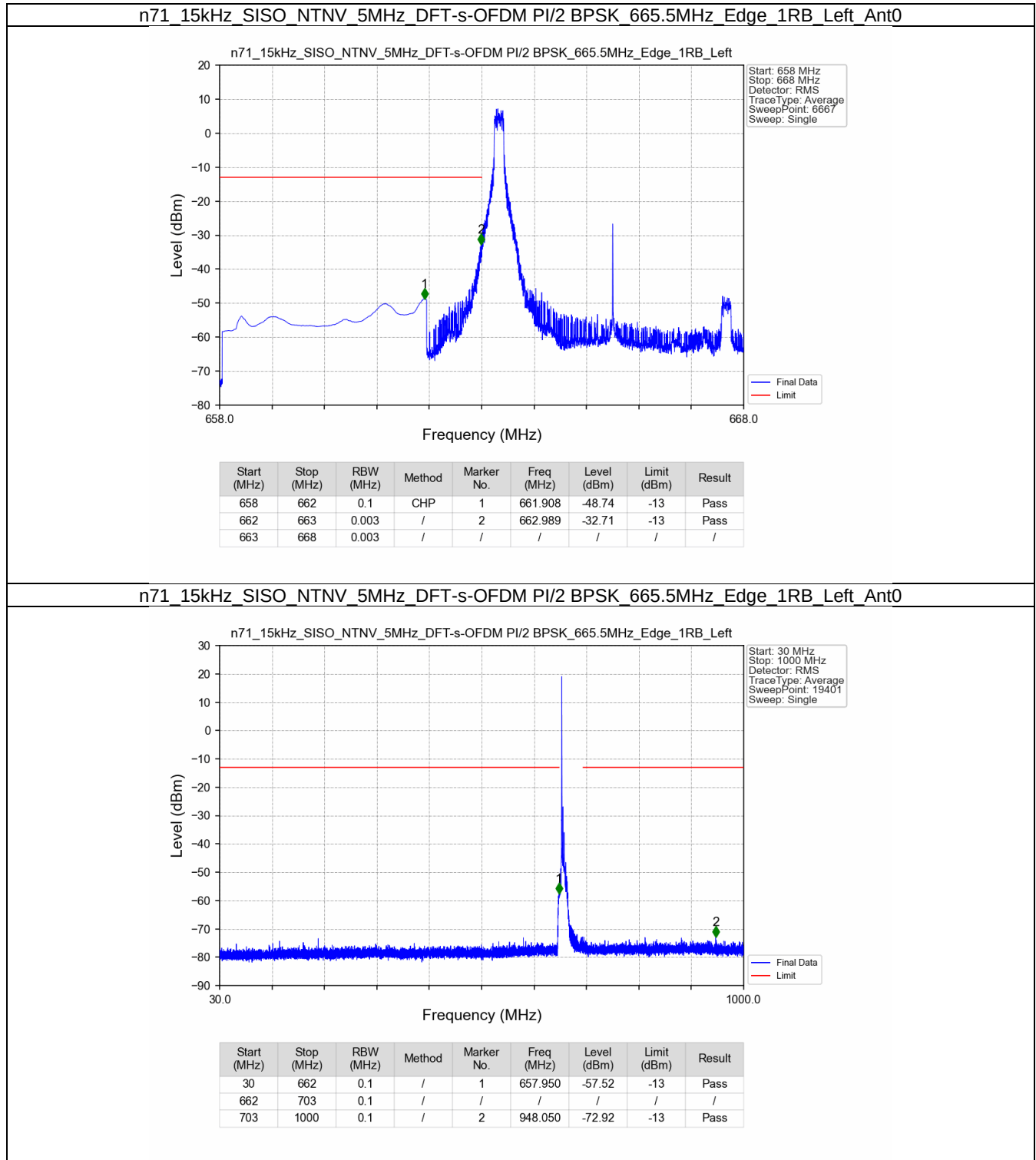
#### 5.1.3 15\_S\_20M\_NTNV

| 5G NR n71 SCS=15kHz SISO 20MHz NTNv |                 |               |                     |                     |     |       |         |
|-------------------------------------|-----------------|---------------|---------------------|---------------------|-----|-------|---------|
| Modulation                          | Frequency (MHz) | RB Allocation | Spurious Emission   |                     |     |       | Verdict |
|                                     |                 |               | Ant0                | Ant2                | Sum | Limit |         |
| DFT-s-OFDM PI/2 BPSK                | 673             | Edge_1RB_Left | Refer To Test Graph |                     |     |       | Pass    |
|                                     |                 | Outer_Full    | Refer To Test Graph |                     |     |       | Pass    |
|                                     | 680.5           | Edge_1RB_Left | Refer To Test Graph |                     |     |       | Pass    |
|                                     |                 | 688           | Edge_1RB_Right      | Refer To Test Graph |     |       |         |
|                                     |                 |               | Outer_Full          | Refer To Test Graph |     |       |         |
| DFT-s-OFDM QPSK                     | 673             | Edge_1RB_Left | Refer To Test Graph |                     |     |       | Pass    |

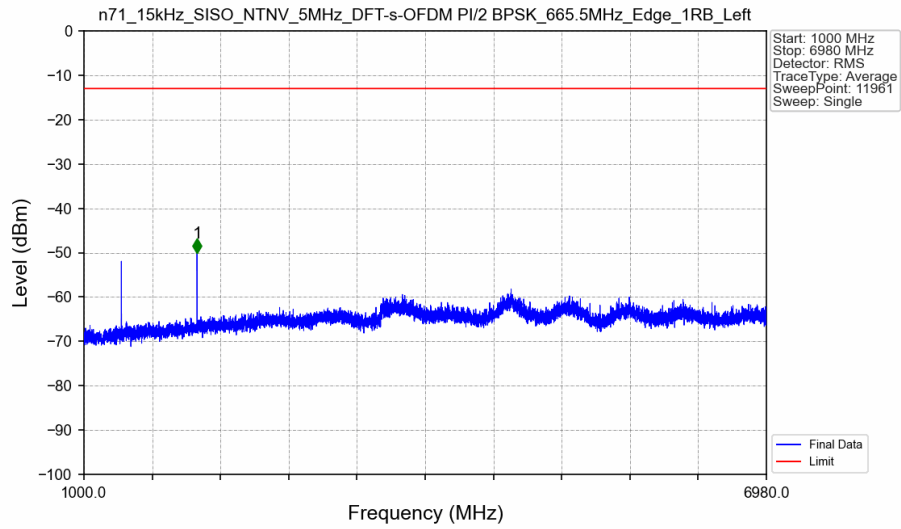
|              |       |                     |                     |      |
|--------------|-------|---------------------|---------------------|------|
|              |       | Outer_Full          | Refer To Test Graph | Pass |
|              |       | 680.5 Edge_1RB_Left | Refer To Test Graph | Pass |
|              | 688   | Edge_1RB_Right      | Refer To Test Graph | Pass |
|              |       | Outer_Full          | Refer To Test Graph | Pass |
| CP-OFDM QPSK | 673   | Edge_1RB_Left       | Refer To Test Graph | Pass |
|              |       | Outer_Full          | Refer To Test Graph | Pass |
|              | 680.5 | Edge_1RB_Left       | Refer To Test Graph | Pass |
|              | 688   | Edge_1RB_Right      | Refer To Test Graph | Pass |
|              |       | Outer_Full          | Refer To Test Graph | Pass |

## 5.2 Test Graph

## 5.2.1 15\_S\_5M\_NTNV

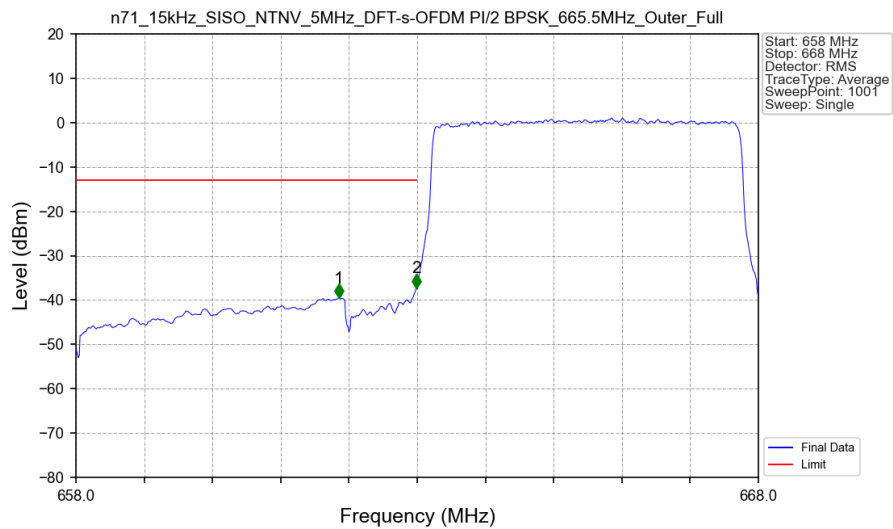


## n71\_15kHz\_SISO\_NTNV\_5MHz\_DFT-s-OFDM PI/2 BPSK 665.5MHz\_Edge\_1RB\_Left\_Ant0



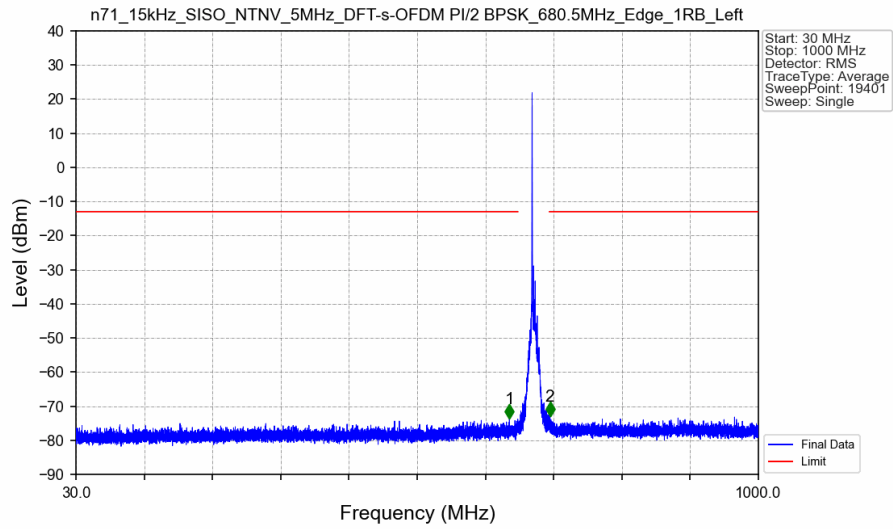
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 1000        | 6980       | 1         | /      | 1          | 1990.500   | -50.11      | -13         | Pass   |

## n71\_15kHz\_SISO\_NTNV\_5MHz\_DFT-s-OFDM PI/2 BPSK 665.5MHz\_Outer\_Full\_Ant0

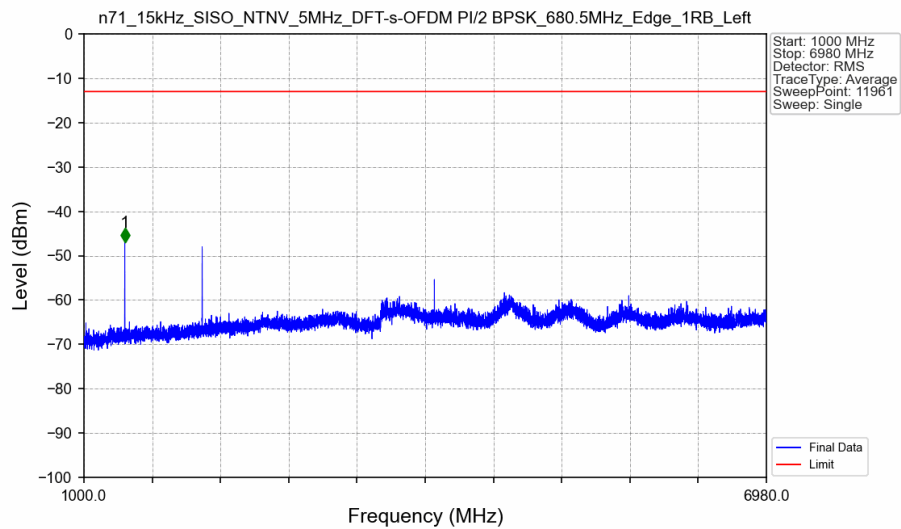


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 658         | 662        | 0.1       | CHP    | 1          | 661.850    | -39.55      | -13         | Pass   |
| 662         | 663        | 0.04916   | CHP    | 2          | 662.990    | -37.23      | -13         | Pass   |
| 663         | 668        | 0.04916   | CHP    | /          | /          | /           | /           | /      |

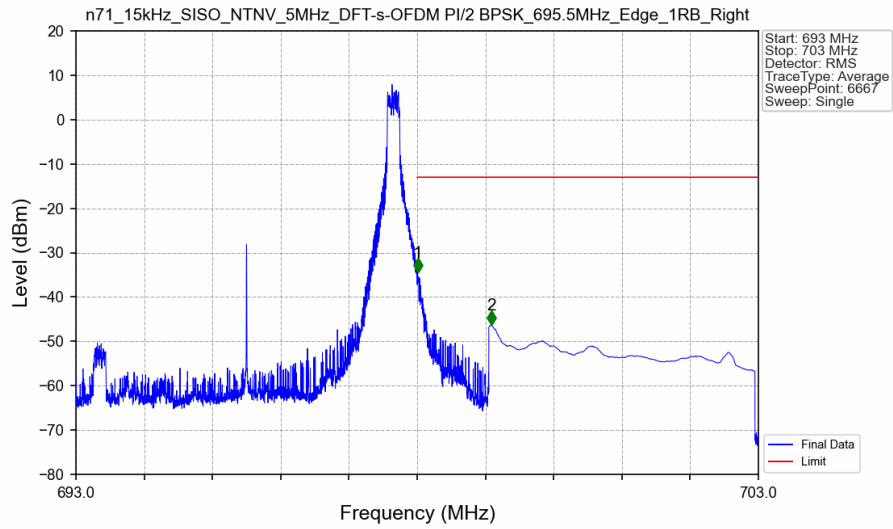
## n71\_15kHz\_SISO\_NTNV\_5MHz\_DFT-s-OFDM PI/2 BPSK 680.5MHz\_Edge\_1RB\_Left\_Ant0



## n71\_15kHz\_SISO\_NTNV\_5MHz\_DFT-s-OFDM PI/2 BPSK 680.5MHz\_Edge\_1RB\_Left\_Ant0

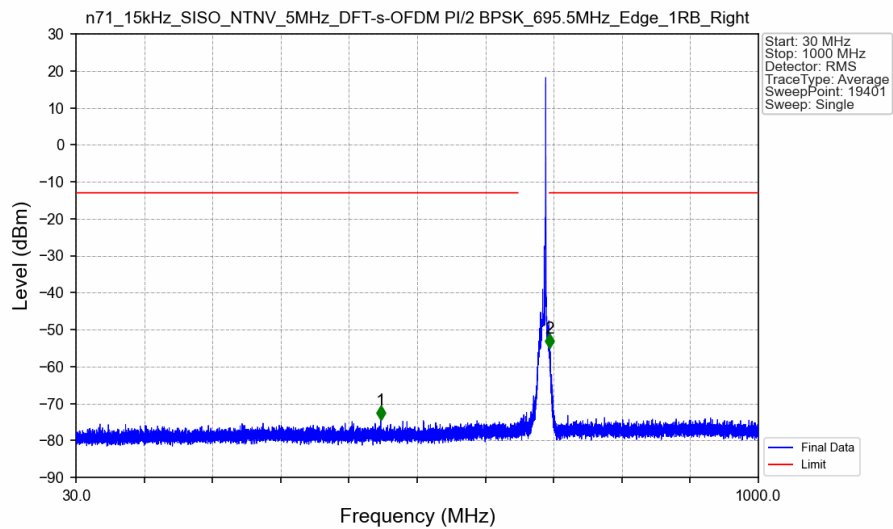


## n71\_15kHz\_SISO\_NTNV\_5MHz\_DFT-s-OFDM PI/2 BPSK\_695.5MHz\_Edge\_1RB\_Right\_Ant0



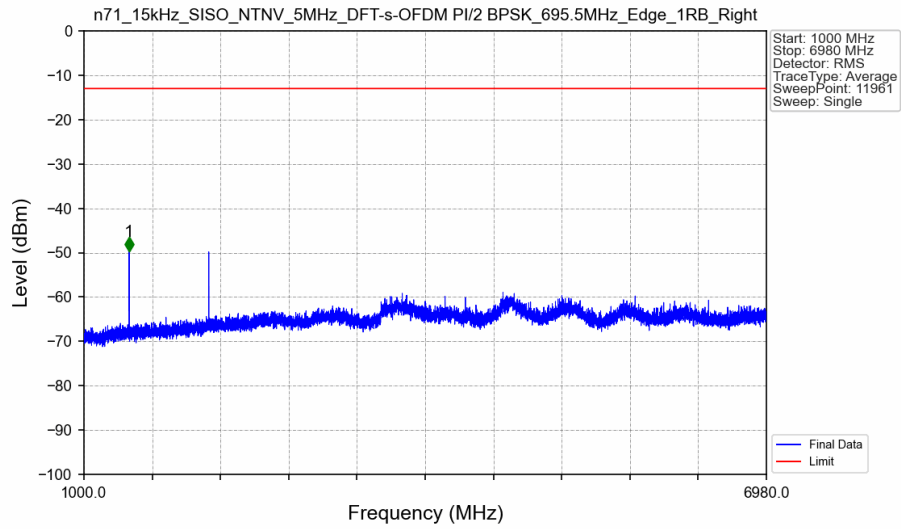
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 693         | 698        | 0.003     | /      | /          | /          | /           | /           | /      |
| 698         | 699        | 0.003     | /      | 1          | 698.008    | -34.42      | -13         | Pass   |
| 699         | 703        | 0.1       | CHP    | 2          | 699.085    | -46.28      | -13         | Pass   |

## n71\_15kHz\_SISO\_NTNV\_5MHz\_DFT-s-OFDM PI/2 BPSK\_695.5MHz\_Edge\_1RB\_Right\_Ant0



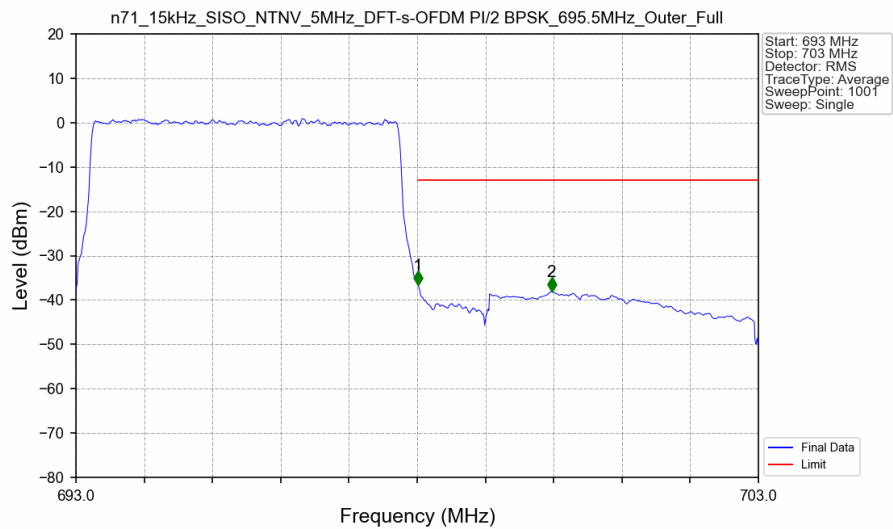
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 30          | 662        | 0.1       | /      | 1          | 463.250    | -74.37      | -13         | Pass   |
| 662         | 703        | 0.1       | /      | /          | /          | /           | /           | /      |
| 703         | 1000       | 0.1       | /      | 2          | 703.300    | -55.02      | -13         | Pass   |

## n71\_15kHz\_SISO\_NTNV\_5MHz\_DFT-s-OFDM PI/2 BPSK\_695.5MHz\_Edge\_1RB\_Right\_Ant0



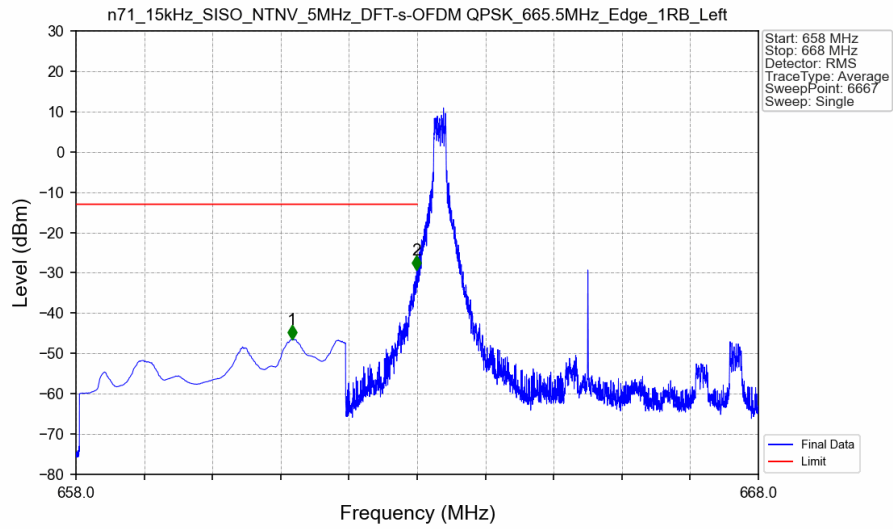
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 1000        | 6980       | 1         | /      | 1          | 1396.000   | -49.68      | -13         | Pass   |

## n71\_15kHz\_SISO\_NTNV\_5MHz\_DFT-s-OFDM PI/2 BPSK\_695.5MHz\_Outer\_Full\_Ant0



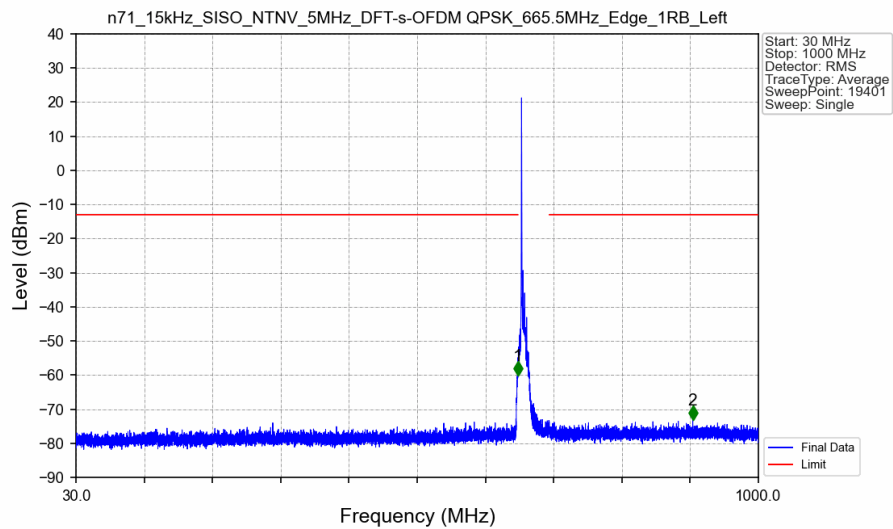
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 693         | 698        | 0.04916   | CHP    | /          | /          | /           | /           | /      |
| 698         | 699        | 0.04916   | CHP    | 1          | 698.010    | -36.52      | -13         | Pass   |
| 699         | 703        | 0.1       | CHP    | 2          | 699.970    | -38.13      | -13         | Pass   |

## n71\_15kHz\_SISO\_NTNV\_5MHz\_DFT-s-OFDM\_QPSK\_665.5MHz\_Edge\_1RB\_Left\_Ant0



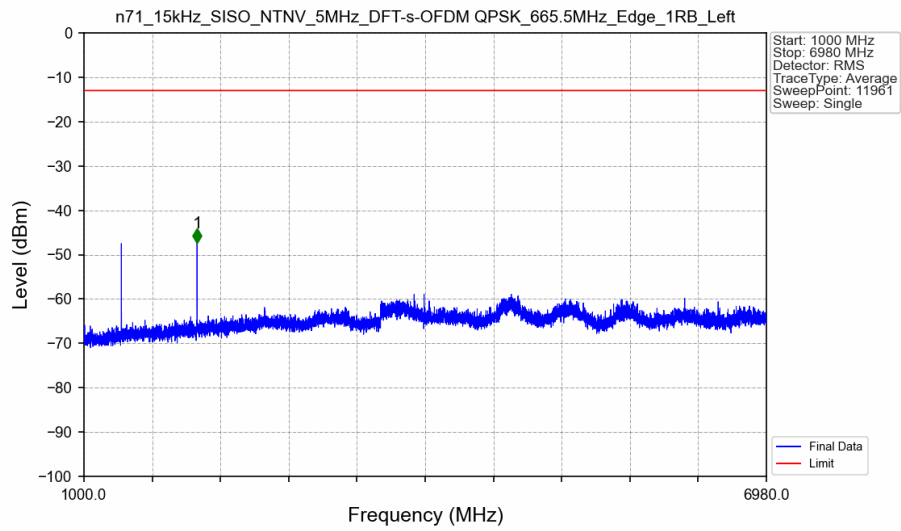
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 658         | 662        | 0.1       | CHP    | 1          | 661.165    | -46.42      | -13         | Pass   |
| 662         | 663        | 0.003     | /      | 2          | 662.992    | -29.34      | -13         | Pass   |
| 663         | 668        | 0.003     | /      | /          | /          | /           | /           | /      |

## n71\_15kHz\_SISO\_NTNV\_5MHz\_DFT-s-OFDM\_QPSK\_665.5MHz\_Edge\_1RB\_Left\_Ant0



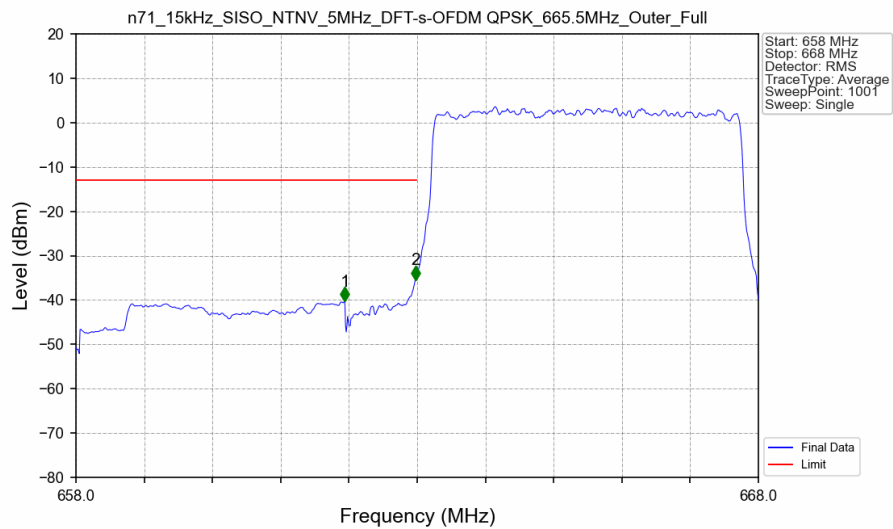
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 30          | 662        | 0.1       | /      | 1          | 657.950    | -60.08      | -13         | Pass   |
| 662         | 703        | 0.1       | /      | /          | /          | /           | /           | /      |
| 703         | 1000       | 0.1       | /      | 2          | 906.700    | -73.08      | -13         | Pass   |

## n71\_15kHz\_SISO\_NTNV\_5MHz\_DFT-s-OFDM\_QPSK\_665.5MHz\_Edge\_1RB\_Left\_Ant0



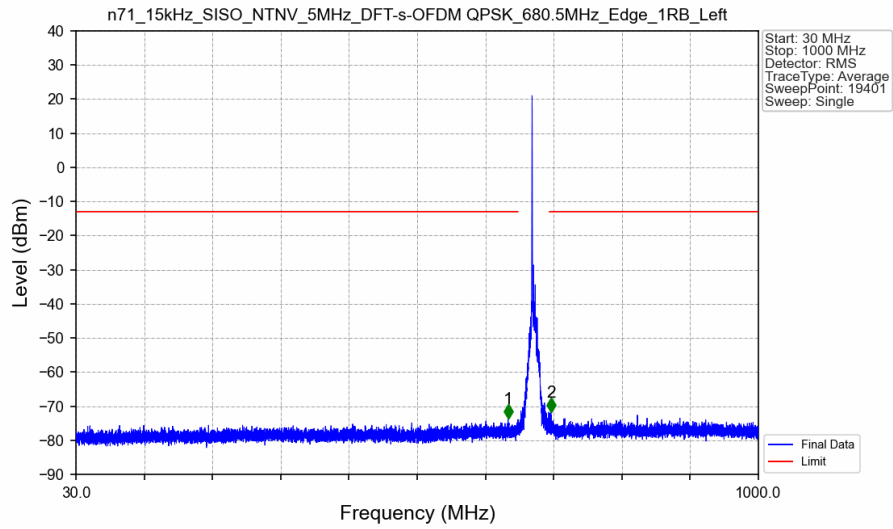
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 1000        | 6980       | 1         | /      | 1          | 1991.000   | -47.38      | -13         | Pass   |

## n71\_15kHz\_SISO\_NTNV\_5MHz\_DFT-s-OFDM\_QPSK\_665.5MHz\_Outer\_Full\_Ant0

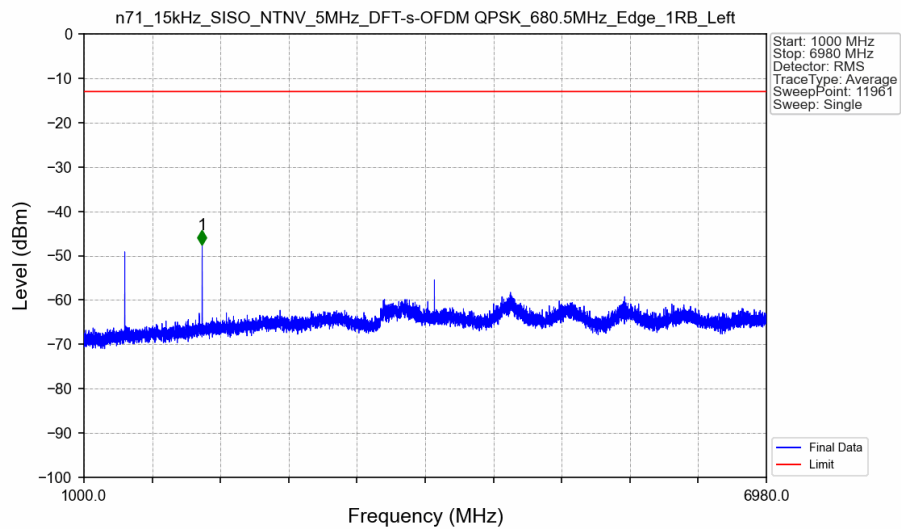


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 658         | 662        | 0.1       | CHP    | 1          | 661.940    | -40.32      | -13         | Pass   |
| 662         | 663        | 0.04916   | CHP    | 2          | 662.980    | -35.41      | -13         | Pass   |
| 663         | 668        | 0.04916   | CHP    | /          | /          | /           | /           | /      |

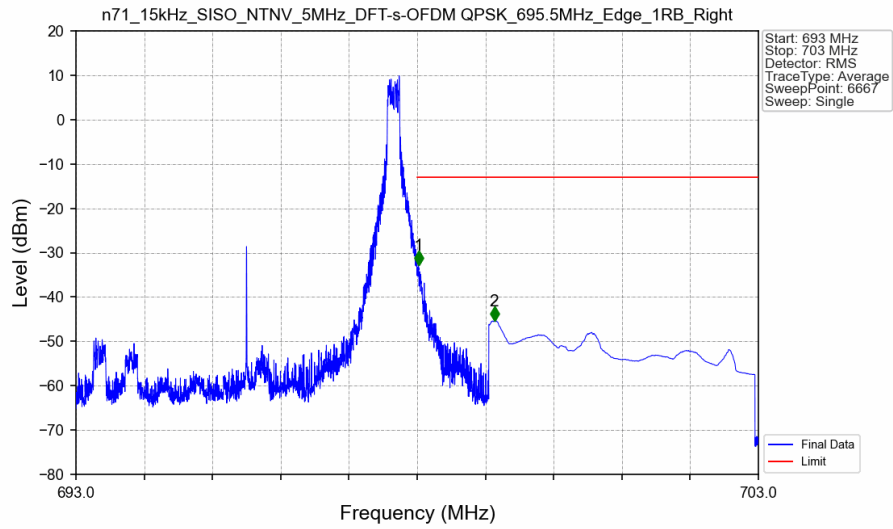
## n71\_15kHz\_SISO\_NTNV\_5MHz\_DFT-s-OFDM\_QPSK\_680.5MHz\_Edge\_1RB\_Left\_Ant0



## n71\_15kHz\_SISO\_NTNV\_5MHz\_DFT-s-OFDM\_QPSK\_680.5MHz\_Edge\_1RB\_Left\_Ant0

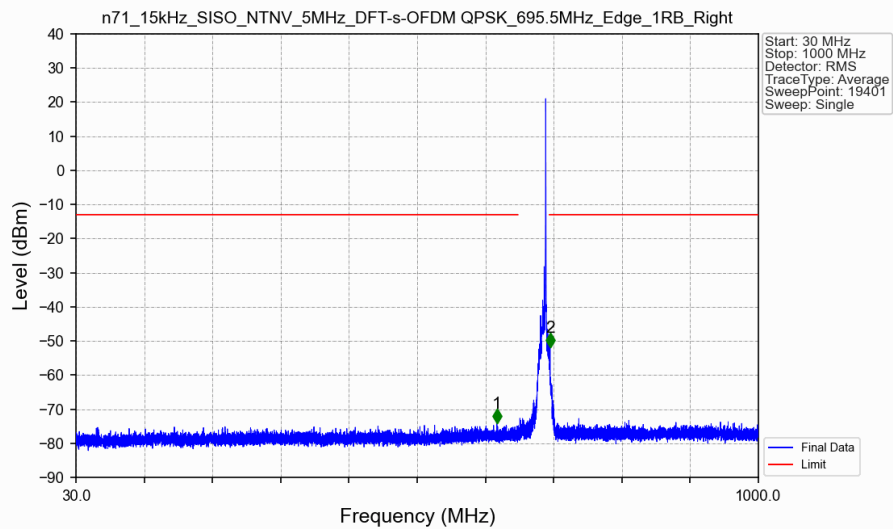


## n71\_15kHz\_SISO\_NTNV\_5MHz\_DFT-s-OFDM QPSK 695.5MHz\_Edge\_1RB\_Right\_Ant0

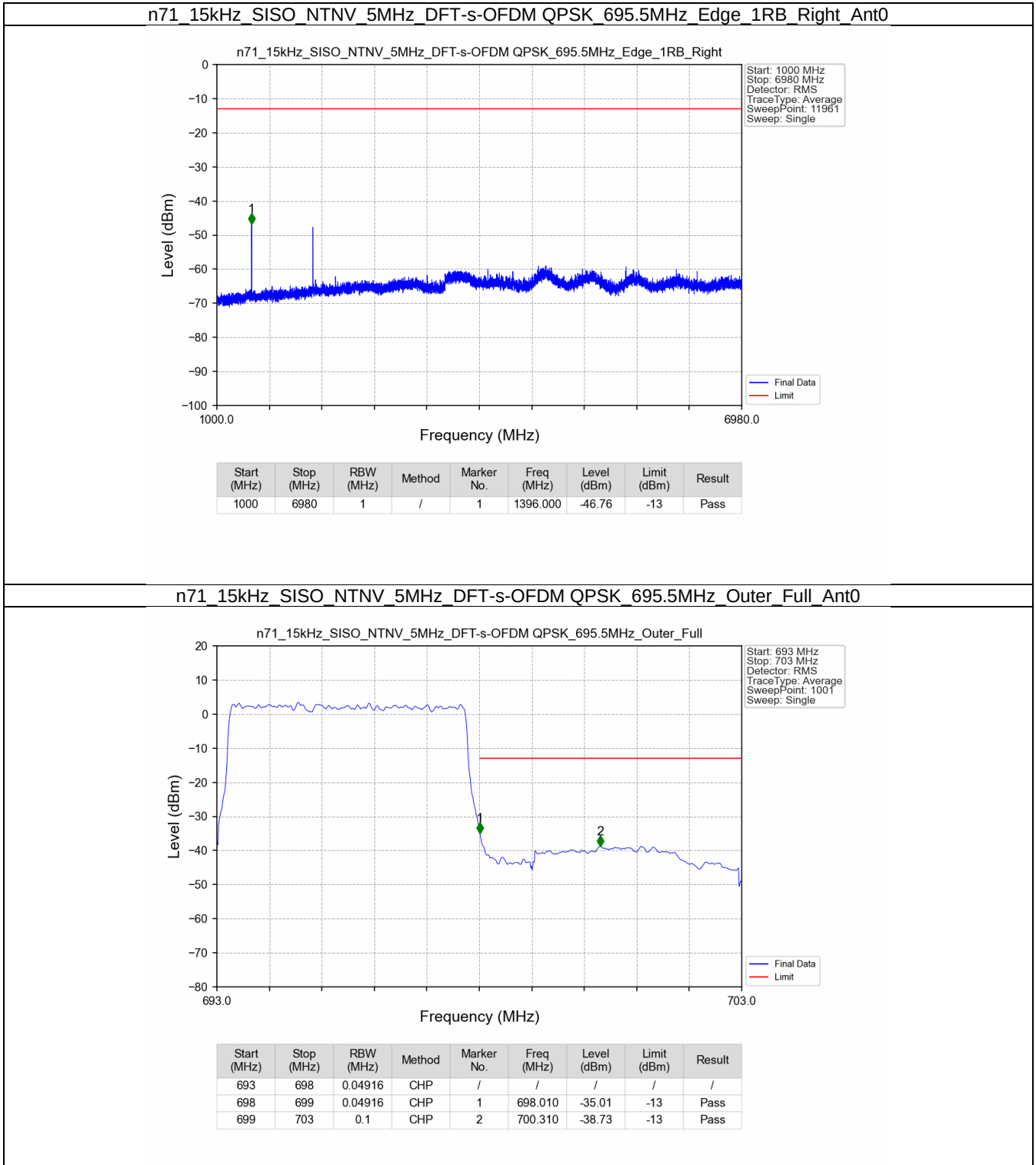


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 693         | 698        | 0.003     | /      | /          | /          | /           | /           | /      |
| 698         | 699        | 0.003     | /      | 1          | 698.018    | -32.76      | -13         | Pass   |
| 699         | 703        | 0.1       | CHP    | 2          | 699.130    | -45.38      | -13         | Pass   |

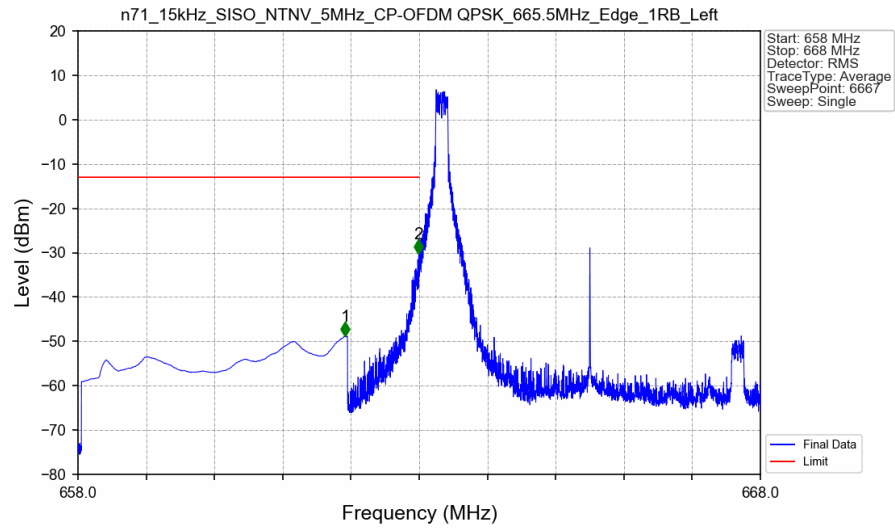
## n71\_15kHz\_SISO\_NTNV\_5MHz\_DFT-s-OFDM QPSK 695.5MHz\_Edge\_1RB\_Right\_Ant0



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 30          | 662        | 0.1       | /      | 1          | 628.250    | -73.95      | -13         | Pass   |
| 662         | 703        | 0.1       | /      | /          | /          | /           | /           | /      |
| 703         | 1000       | 0.1       | /      | 2          | 703.850    | -51.73      | -13         | Pass   |

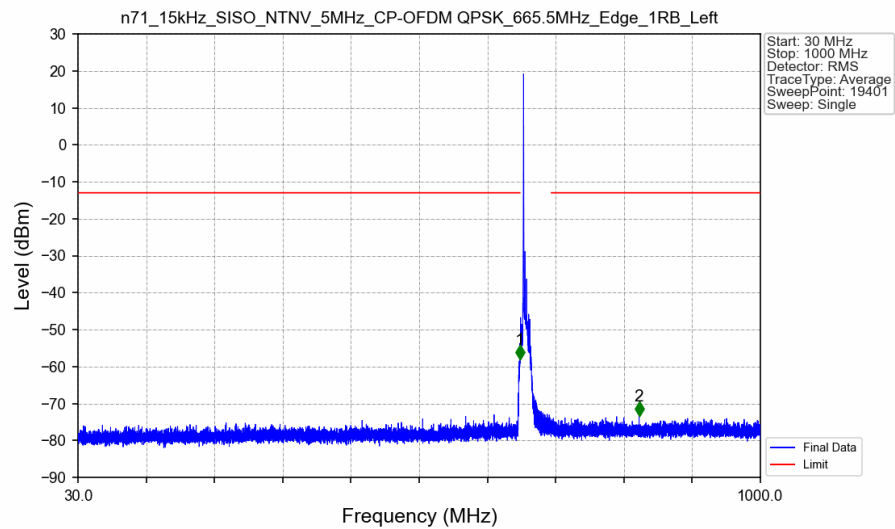


## n71\_15kHz\_SISO\_NTNV\_5MHz\_CP-OFDM\_QPSK\_665.5MHz\_Edge\_1RB\_Left\_Ant0



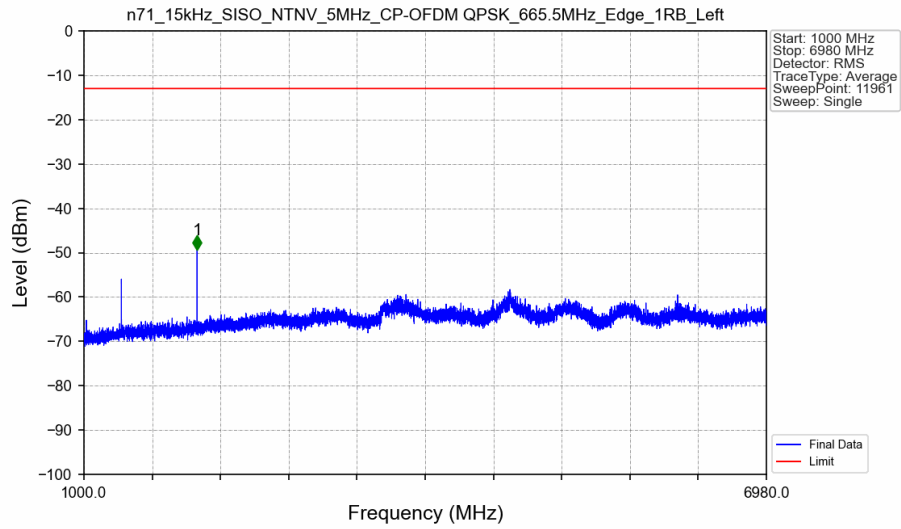
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 658         | 662        | 0.1       | CHP    | 1          | 661.915    | -48.81      | -13         | Pass   |
| 662         | 663        | 0.003     | /      | 2          | 662.994    | -30.17      | -13         | Pass   |
| 663         | 668        | 0.003     | /      | /          | /          | /           | /           | /      |

## n71\_15kHz\_SISO\_NTNV\_5MHz\_CP-OFDM\_QPSK\_665.5MHz\_Edge\_1RB\_Left\_Ant0



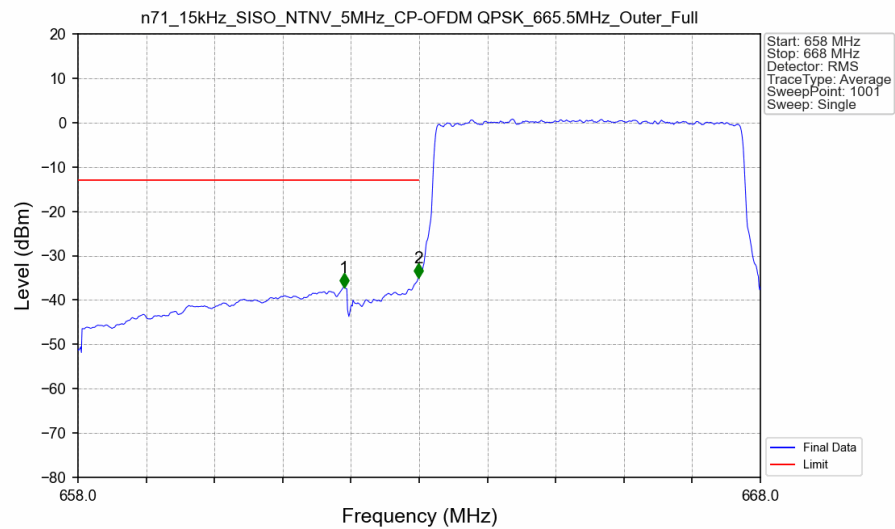
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 30          | 662        | 0.1       | /      | 1          | 657.750    | -58.12      | -13         | Pass   |
| 662         | 703        | 0.1       | /      | /          | /          | /           | /           | /      |
| 703         | 1000       | 0.1       | /      | 2          | 827.550    | -73.35      | -13         | Pass   |

## n71\_15kHz\_SISO\_NTNV\_5MHz\_CP-OFDM\_QPSK\_665.5MHz\_Edge\_1RB\_Left\_Ant0



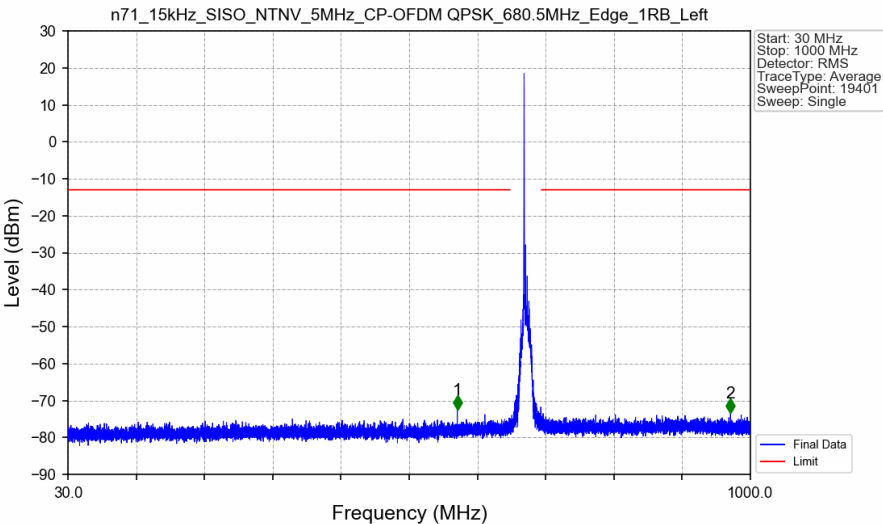
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 1000        | 6980       | 1         | /      | 1          | 1991.000   | -49.32      | -13         | Pass   |

## n71\_15kHz\_SISO\_NTNV\_5MHz\_CP-OFDM\_QPSK\_665.5MHz\_Outer\_Full\_Ant0

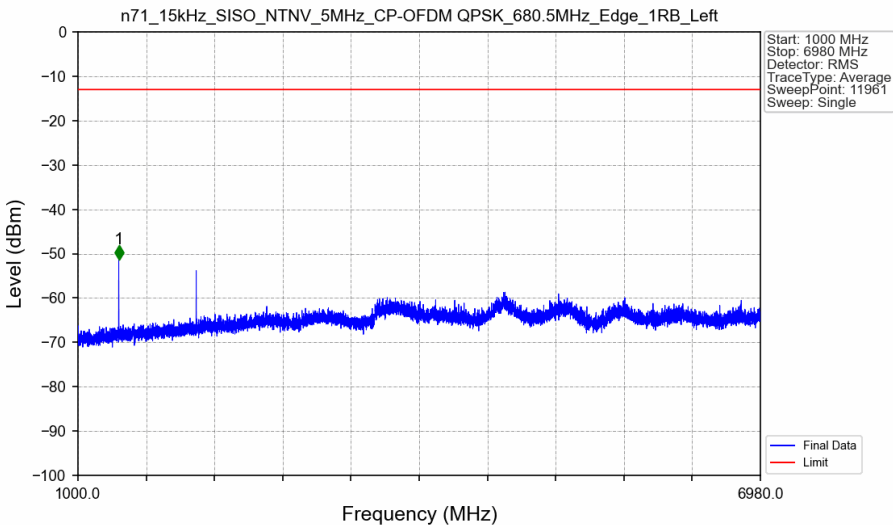


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 658         | 662        | 0.1       | CHP    | 1          | 661.900    | -37.10      | -13         | Pass   |
| 662         | 663        | 0.04916   | CHP    | 2          | 662.990    | -34.95      | -13         | Pass   |
| 663         | 668        | 0.04916   | CHP    | /          | /          | /           | /           | /      |

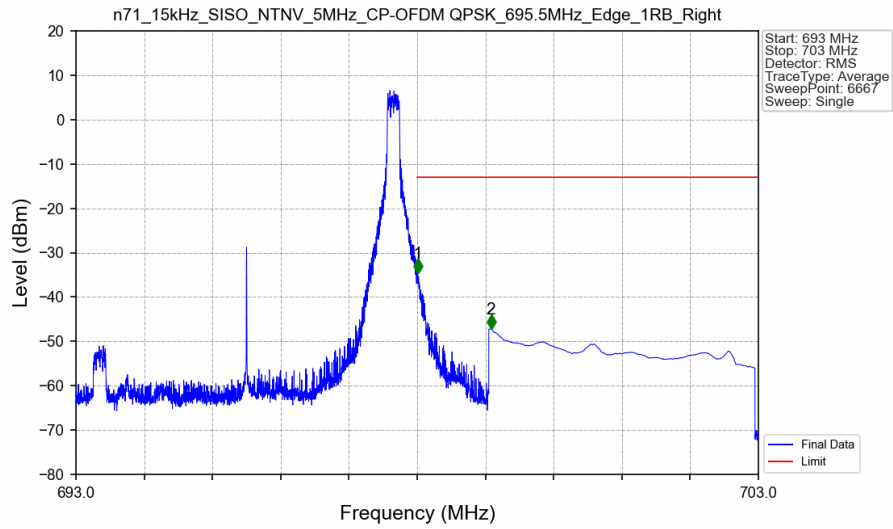
n71\_15kHz\_SISO\_NTNV\_5MHz\_CP-OFDM\_QPSK\_680.5MHz\_Edge\_1RB\_Left\_Ant0



n71\_15kHz\_SISO\_NTNV\_5MHz\_CP-OFDM\_QPSK\_680.5MHz\_Edge\_1RB\_Left\_Ant0

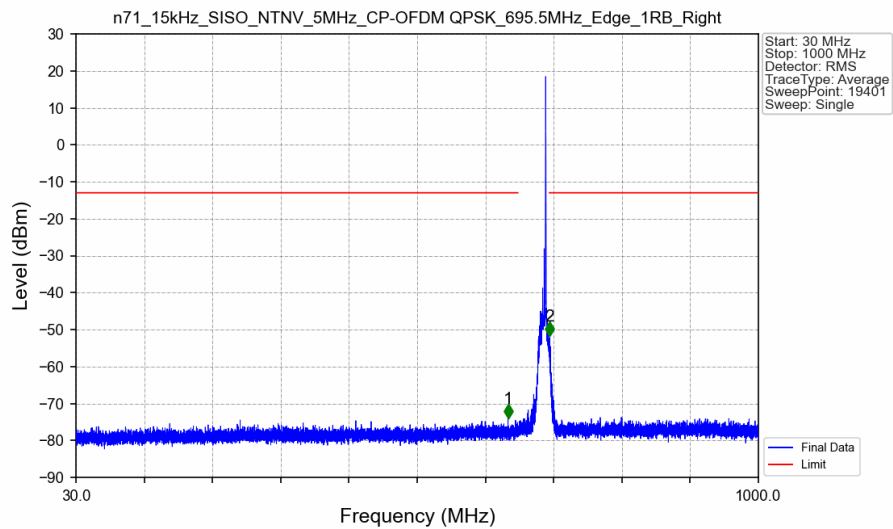


## n71\_15kHz\_SISO\_NTNV\_5MHz\_CP-OFDM QPSK 695.5MHz\_Edge\_1RB\_Right\_Ant0



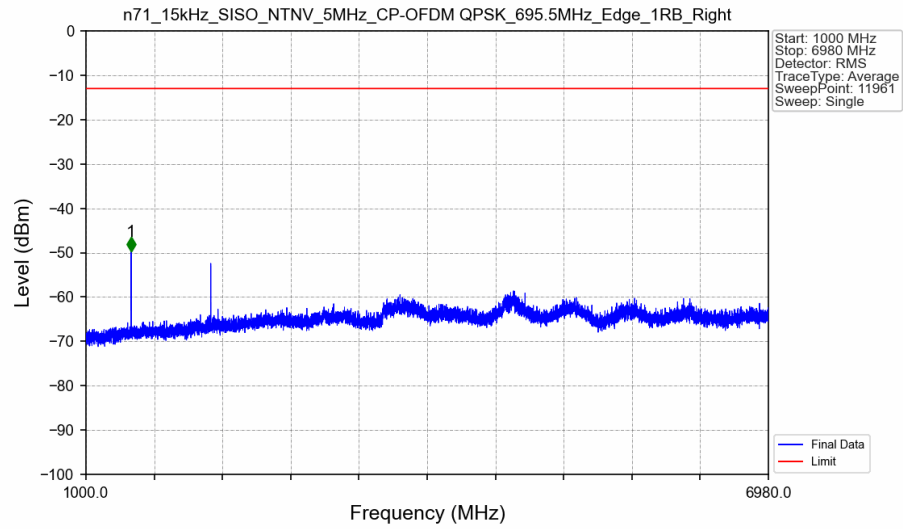
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 693         | 698        | 0.003     | /      | /          | /          | /           | /           | /      |
| 698         | 699        | 0.003     | /      | 1          | 698.006    | -34.67      | -13         | Pass   |
| 699         | 703        | 0.1       | CHP    | 2          | 699.082    | -47.16      | -13         | Pass   |

## n71\_15kHz\_SISO\_NTNV\_5MHz\_CP-OFDM QPSK 695.5MHz\_Edge\_1RB\_Right\_Ant0



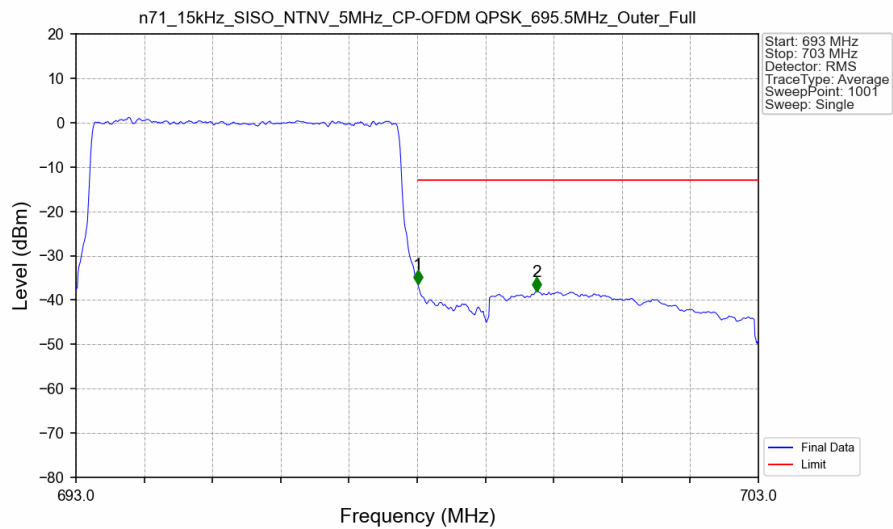
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 30          | 662        | 0.1       | /      | 1          | 644.100    | -74.04      | -13         | Pass   |
| 662         | 703        | 0.1       | /      | /          | /          | /           | /           | /      |
| 703         | 1000       | 0.1       | /      | 2          | 703.550    | -51.72      | -13         | Pass   |

## n71\_15kHz\_SISO\_NTNV\_5MHz\_CP-OFDM QPSK 695.5MHz\_Edge\_1RB\_Right\_Ant0



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 1000        | 6980       | 1         | /      | 1          | 1396.000   | -49.70      | -13         | Pass   |

## n71\_15kHz\_SISO\_NTNV\_5MHz\_CP-OFDM QPSK 695.5MHz\_Outer\_Full\_Ant0



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 693         | 698        | 0.04916   | CHP    | /          | /          | /           | /           | /      |
| 698         | 699        | 0.04916   | CHP    | 1          | 698.010    | -36.47      | -13         | Pass   |
| 699         | 703        | 0.1       | CHP    | 2          | 699.750    | -37.98      | -13         | Pass   |