

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

### 1.1 Test Result

#### 1.1.1 15k\_SISO\_5MHz\_NTNV\_ERP

| 5G NR n71 SCS=15kHz SISO 5MHz NTN |                 |                 |                      |      |     |          |      |     |         |         |
|-----------------------------------|-----------------|-----------------|----------------------|------|-----|----------|------|-----|---------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation   | Conducted Power(dBm) |      |     | ERP(dBm) |      |     |         | Verdict |
|                                   |                 |                 | Ant1                 | Ant2 | Sum | Ant1     | Ant2 | Sum | Limit   |         |
| DFT-s-OFDM PI/2 BPSK              | 665.5           | Outer_Full      | 23.16                | /    | /   | 20.51    | /    | /   | <=34.77 | Pass    |
|                                   |                 | Inner_Full      | 23.68                | /    | /   | 21.03    | /    | /   | <=34.77 | Pass    |
|                                   |                 | Inner_1RB_Left  | 23.53                | /    | /   | 20.88    | /    | /   | <=34.77 | Pass    |
|                                   |                 | Inner_1RB_Right | 23.80                | /    | /   | 21.15    | /    | /   | <=34.77 | Pass    |
|                                   | 680.5           | Outer_Full      | 23.25                | /    | /   | 20.60    | /    | /   | <=34.77 | Pass    |
|                                   |                 | Inner_Full      | 23.80                | /    | /   | 21.15    | /    | /   | <=34.77 | Pass    |
|                                   |                 | Inner_1RB_Left  | 23.74                | /    | /   | 21.09    | /    | /   | <=34.77 | Pass    |
|                                   |                 | Inner_1RB_Right | 23.71                | /    | /   | 21.06    | /    | /   | <=34.77 | Pass    |
|                                   | 695.5           | Outer_Full      | 23.11                | /    | /   | 20.46    | /    | /   | <=34.77 | Pass    |
|                                   |                 | Inner_Full      | 23.64                | /    | /   | 20.99    | /    | /   | <=34.77 | Pass    |
|                                   |                 | Inner_1RB_Left  | 23.59                | /    | /   | 20.94    | /    | /   | <=34.77 | Pass    |
|                                   |                 | Inner_1RB_Right | 23.71                | /    | /   | 21.06    | /    | /   | <=34.77 | Pass    |
| DFT-s-OFDM QPSK                   | 665.5           | Outer_Full      | 22.71                | /    | /   | 20.06    | /    | /   | <=34.77 | Pass    |
|                                   |                 | Inner_Full      | 23.72                | /    | /   | 21.07    | /    | /   | <=34.77 | Pass    |
|                                   |                 | Inner_1RB_Left  | 23.58                | /    | /   | 20.93    | /    | /   | <=34.77 | Pass    |
|                                   |                 | Inner_1RB_Right | 23.77                | /    | /   | 21.12    | /    | /   | <=34.77 | Pass    |
|                                   | 680.5           | Outer_Full      | 22.75                | /    | /   | 20.10    | /    | /   | <=34.77 | Pass    |
|                                   |                 | Inner_Full      | 23.80                | /    | /   | 21.15    | /    | /   | <=34.77 | Pass    |
|                                   |                 | Inner_1RB_Left  | 23.78                | /    | /   | 21.13    | /    | /   | <=34.77 | Pass    |
|                                   |                 | Inner_1RB_Right | 23.78                | /    | /   | 21.13    | /    | /   | <=34.77 | Pass    |
|                                   | 695.5           | Outer_Full      | 22.69                | /    | /   | 20.04    | /    | /   | <=34.77 | Pass    |
|                                   |                 | Inner_Full      | 23.75                | /    | /   | 21.10    | /    | /   | <=34.77 | Pass    |
|                                   |                 | Inner_1RB_Left  | 23.58                | /    | /   | 20.93    | /    | /   | <=34.77 | Pass    |
|                                   |                 | Inner_1RB_Right | 23.72                | /    | /   | 21.07    | /    | /   | <=34.77 | Pass    |
| DFT-s-OFDM 16 QAM                 | 665.5           | Outer_Full      | 21.67                | /    | /   | 19.02    | /    | /   | <=34.77 | Pass    |
|                                   |                 | Inner_Full      | 22.70                | /    | /   | 20.05    | /    | /   | <=34.77 | Pass    |
|                                   |                 | Inner_1RB_Left  | 22.30                | /    | /   | 19.65    | /    | /   | <=34.77 | Pass    |
|                                   |                 | Inner_1RB_Right | 22.51                | /    | /   | 19.86    | /    | /   | <=34.77 | Pass    |
|                                   | 680.5           | Outer_Full      | 21.76                | /    | /   | 19.11    | /    | /   | <=34.77 | Pass    |
|                                   |                 | Inner_Full      | 22.86                | /    | /   | 20.21    | /    | /   | <=34.77 | Pass    |
|                                   |                 | Inner_1RB_Left  | 22.46                | /    | /   | 19.81    | /    | /   | <=34.77 | Pass    |
|                                   |                 | Inner_1RB_Right | 22.52                | /    | /   | 19.87    | /    | /   | <=34.77 | Pass    |
|                                   | 695.5           | Outer_Full      | 21.64                | /    | /   | 18.99    | /    | /   | <=34.77 | Pass    |
|                                   |                 | Inner_Full      | 22.74                | /    | /   | 20.09    | /    | /   | <=34.77 | Pass    |
|                                   |                 | Inner_1RB_Left  | 22.32                | /    | /   | 19.67    | /    | /   | <=34.77 | Pass    |
|                                   |                 | Inner_1RB_Right | 22.47                | /    | /   | 19.82    | /    | /   | <=34.77 | Pass    |
| DFT-s-OFDM 64 QAM                 | 665.5           | Outer_Full      | 21.15                | /    | /   | 18.50    | /    | /   | <=34.77 | Pass    |
|                                   |                 | Inner_Full      | 21.09                | /    | /   | 18.44    | /    | /   | <=34.77 | Pass    |
|                                   |                 | Inner_1RB_Left  | 21.00                | /    | /   | 18.35    | /    | /   | <=34.77 | Pass    |
|                                   |                 | Inner_1RB_Right | 21.09                | /    | /   | 18.44    | /    | /   | <=34.77 | Pass    |
|                                   | 680.5           | Outer_Full      | 21.26                | /    | /   | 18.61    | /    | /   | <=34.77 | Pass    |
|                                   |                 | Inner_Full      | 21.17                | /    | /   | 18.52    | /    | /   | <=34.77 | Pass    |
|                                   |                 | Inner_1RB_Left  | 21.15                | /    | /   | 18.50    | /    | /   | <=34.77 | Pass    |
|                                   |                 | Inner_1RB_Right | 21.11                | /    | /   | 18.46    | /    | /   | <=34.77 | Pass    |
|                                   | 695.5           | Outer_Full      | 21.12                | /    | /   | 18.47    | /    | /   | <=34.77 | Pass    |
|                                   |                 | Inner_Full      | 21.06                | /    | /   | 18.41    | /    | /   | <=34.77 | Pass    |
|                                   |                 | Inner_1RB_Left  | 21.00                | /    | /   | 18.35    | /    | /   | <=34.77 | Pass    |
|                                   |                 | Inner_1RB_Right | 21.09                | /    | /   | 18.44    | /    | /   | <=34.77 | Pass    |
| DFT-s-OFDM 256                    | 665.5           | Outer_Full      | 19.17                | /    | /   | 16.52    | /    | /   | <=34.77 | Pass    |

|                 |       |                 |       |   |   |       |   |   |         |      |
|-----------------|-------|-----------------|-------|---|---|-------|---|---|---------|------|
| QAM             |       | Inner Full      | 19.09 | / | / | 16.44 | / | / | <=34.77 | Pass |
|                 |       | Inner 1RB Left  | 19.35 | / | / | 16.70 | / | / | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 19.57 | / | / | 16.92 | / | / | <=34.77 | Pass |
|                 | 680.5 | Outer Full      | 19.22 | / | / | 16.57 | / | / | <=34.77 | Pass |
|                 |       | Inner Full      | 19.31 | / | / | 16.66 | / | / | <=34.77 | Pass |
|                 |       | Inner 1RB Left  | 19.49 | / | / | 16.84 | / | / | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 19.59 | / | / | 16.94 | / | / | <=34.77 | Pass |
|                 | 695.5 | Outer Full      | 19.12 | / | / | 16.47 | / | / | <=34.77 | Pass |
|                 |       | Inner Full      | 19.08 | / | / | 16.43 | / | / | <=34.77 | Pass |
|                 |       | Inner 1RB Left  | 19.41 | / | / | 16.76 | / | / | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 19.38 | / | / | 16.73 | / | / | <=34.77 | Pass |
| CP-OFDM QPSK    | 665.5 | Outer Full      | 20.68 | / | / | 18.03 | / | / | <=34.77 | Pass |
|                 |       | Inner Full      | 22.15 | / | / | 19.50 | / | / | <=34.77 | Pass |
|                 |       | Inner 1RB Left  | 21.82 | / | / | 19.17 | / | / | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 22.16 | / | / | 19.51 | / | / | <=34.77 | Pass |
|                 | 680.5 | Outer Full      | 20.74 | / | / | 18.09 | / | / | <=34.77 | Pass |
|                 |       | Inner Full      | 22.39 | / | / | 19.74 | / | / | <=34.77 | Pass |
|                 |       | Inner 1RB Left  | 22.27 | / | / | 19.62 | / | / | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 22.21 | / | / | 19.56 | / | / | <=34.77 | Pass |
|                 | 695.5 | Outer Full      | 20.61 | / | / | 17.96 | / | / | <=34.77 | Pass |
|                 |       | Inner Full      | 22.22 | / | / | 19.57 | / | / | <=34.77 | Pass |
|                 |       | Inner 1RB Left  | 21.91 | / | / | 19.26 | / | / | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 22.09 | / | / | 19.44 | / | / | <=34.77 | Pass |
| CP-OFDM 16 QAM  | 665.5 | Outer Full      | 20.64 | / | / | 17.99 | / | / | <=34.77 | Pass |
|                 |       | Inner Full      | 21.85 | / | / | 19.20 | / | / | <=34.77 | Pass |
|                 |       | Inner 1RB Left  | 21.63 | / | / | 18.98 | / | / | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 21.76 | / | / | 19.11 | / | / | <=34.77 | Pass |
|                 | 680.5 | Outer Full      | 20.69 | / | / | 18.04 | / | / | <=34.77 | Pass |
|                 |       | Inner Full      | 22.03 | / | / | 19.38 | / | / | <=34.77 | Pass |
|                 |       | Inner 1RB Left  | 21.86 | / | / | 19.21 | / | / | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 21.69 | / | / | 19.04 | / | / | <=34.77 | Pass |
|                 | 695.5 | Outer Full      | 20.61 | / | / | 17.96 | / | / | <=34.77 | Pass |
|                 |       | Inner Full      | 21.86 | / | / | 19.21 | / | / | <=34.77 | Pass |
|                 |       | Inner 1RB Left  | 21.57 | / | / | 18.92 | / | / | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 21.74 | / | / | 19.09 | / | / | <=34.77 | Pass |
| CP-OFDM 64 QAM  | 665.5 | Outer Full      | 20.06 | / | / | 17.41 | / | / | <=34.77 | Pass |
|                 |       | Inner Full      | 20.22 | / | / | 17.57 | / | / | <=34.77 | Pass |
|                 |       | Inner 1RB Left  | 20.02 | / | / | 17.37 | / | / | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 20.13 | / | / | 17.48 | / | / | <=34.77 | Pass |
|                 | 680.5 | Outer Full      | 20.16 | / | / | 17.51 | / | / | <=34.77 | Pass |
|                 |       | Inner Full      | 20.35 | / | / | 17.70 | / | / | <=34.77 | Pass |
|                 |       | Inner 1RB Left  | 20.18 | / | / | 17.53 | / | / | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 20.19 | / | / | 17.54 | / | / | <=34.77 | Pass |
|                 | 695.5 | Outer Full      | 20.02 | / | / | 17.37 | / | / | <=34.77 | Pass |
|                 |       | Inner Full      | 20.16 | / | / | 17.51 | / | / | <=34.77 | Pass |
|                 |       | Inner 1RB Left  | 19.99 | / | / | 17.34 | / | / | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 20.15 | / | / | 17.50 | / | / | <=34.77 | Pass |
| CP-OFDM 256 QAM | 665.5 | Outer Full      | 17.27 | / | / | 14.62 | / | / | <=34.77 | Pass |
|                 |       | Inner Full      | 16.99 | / | / | 14.34 | / | / | <=34.77 | Pass |
|                 |       | Inner 1RB Left  | 17.46 | / | / | 14.81 | / | / | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 17.70 | / | / | 15.05 | / | / | <=34.77 | Pass |
|                 | 680.5 | Outer Full      | 17.31 | / | / | 14.66 | / | / | <=34.77 | Pass |
|                 |       | Inner Full      | 17.23 | / | / | 14.58 | / | / | <=34.77 | Pass |
|                 |       | Inner 1RB Left  | 17.67 | / | / | 15.02 | / | / | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 17.67 | / | / | 15.02 | / | / | <=34.77 | Pass |
|                 | 695.5 | Outer Full      | 17.20 | / | / | 14.55 | / | / | <=34.77 | Pass |
|                 |       | Inner Full      | 17.06 | / | / | 14.41 | / | / | <=34.77 | Pass |
|                 |       | Inner 1RB Left  | 17.53 | / | / | 14.88 | / | / | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 17.65 | / | / | 15.00 | / | / | <=34.77 | Pass |

Note1: Antenna Gain: Ant1: -0.50dBi; Ant2: -0.50dBi;  
 Note2: ERP=Conducted Power+Antenna Gain-2.15

## 1.1.2 15k\_SISO\_10MHz\_NTNV\_ERP

| 5G NR n71 SCS=15kHz SISO 10MHz NTN |                 |                 |                      |      |     |          |      |     |         |         |
|------------------------------------|-----------------|-----------------|----------------------|------|-----|----------|------|-----|---------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation   | Conducted Power(dBm) |      |     | ERP(dBm) |      |     |         | Verdict |
|                                    |                 |                 | Ant1                 | Ant2 | Sum | Ant1     | Ant2 | Sum | Limit   |         |
| DFT-s-OFDM PI/2 BPSK               | 668             | Outer_Full      | 22.99                | /    | /   | 20.34    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_Full      | 23.79                | /    | /   | 21.14    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Left  | 23.51                | /    | /   | 20.86    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Right | 23.88                | /    | /   | 21.23    | /    | /   | <=34.77 | Pass    |
|                                    | 680.5           | Outer_Full      | 23.22                | /    | /   | 20.57    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_Full      | 23.81                | /    | /   | 21.16    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Left  | 23.86                | /    | /   | 21.21    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Right | 23.74                | /    | /   | 21.09    | /    | /   | <=34.77 | Pass    |
|                                    | 693             | Outer_Full      | 23.18                | /    | /   | 20.53    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_Full      | 23.71                | /    | /   | 21.06    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Left  | 23.71                | /    | /   | 21.06    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Right | 23.74                | /    | /   | 21.09    | /    | /   | <=34.77 | Pass    |
| DFT-s-OFDM QPSK                    | 668             | Outer_Full      | 22.65                | /    | /   | 20.00    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_Full      | 23.77                | /    | /   | 21.12    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Left  | 23.60                | /    | /   | 20.95    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Right | 23.90                | /    | /   | 21.25    | /    | /   | <=34.77 | Pass    |
|                                    | 680.5           | Outer_Full      | 22.74                | /    | /   | 20.09    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_Full      | 23.81                | /    | /   | 21.16    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Left  | 23.82                | /    | /   | 21.17    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Right | 23.78                | /    | /   | 21.13    | /    | /   | <=34.77 | Pass    |
|                                    | 693             | Outer_Full      | 22.76                | /    | /   | 20.11    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_Full      | 23.73                | /    | /   | 21.08    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Left  | 23.75                | /    | /   | 21.10    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Right | 23.78                | /    | /   | 21.13    | /    | /   | <=34.77 | Pass    |
| DFT-s-OFDM 16 QAM                  | 668             | Outer_Full      | 21.59                | /    | /   | 18.94    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_Full      | 22.71                | /    | /   | 20.06    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Left  | 22.33                | /    | /   | 19.68    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Right | 22.68                | /    | /   | 20.03    | /    | /   | <=34.77 | Pass    |
|                                    | 680.5           | Outer_Full      | 21.76                | /    | /   | 19.11    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_Full      | 22.83                | /    | /   | 20.18    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Left  | 22.66                | /    | /   | 20.01    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Right | 22.57                | /    | /   | 19.92    | /    | /   | <=34.77 | Pass    |
|                                    | 693             | Outer_Full      | 21.70                | /    | /   | 19.05    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_Full      | 22.72                | /    | /   | 20.07    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Left  | 22.49                | /    | /   | 19.84    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Right | 22.49                | /    | /   | 19.84    | /    | /   | <=34.77 | Pass    |
| DFT-s-OFDM 64 QAM                  | 668             | Outer_Full      | 21.19                | /    | /   | 18.54    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_Full      | 21.20                | /    | /   | 18.55    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Left  | 20.94                | /    | /   | 18.29    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Right | 21.25                | /    | /   | 18.60    | /    | /   | <=34.77 | Pass    |
|                                    | 680.5           | Outer_Full      | 21.25                | /    | /   | 18.60    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_Full      | 21.28                | /    | /   | 18.63    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Left  | 21.15                | /    | /   | 18.50    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Right | 21.07                | /    | /   | 18.42    | /    | /   | <=34.77 | Pass    |
|                                    | 693             | Outer_Full      | 21.26                | /    | /   | 18.61    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_Full      | 21.06                | /    | /   | 18.41    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Left  | 21.05                | /    | /   | 18.40    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Right | 21.02                | /    | /   | 18.37    | /    | /   | <=34.77 | Pass    |
| DFT-s-OFDM 256 QAM                 | 668             | Outer_Full      | 18.98                | /    | /   | 16.33    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_Full      | 19.18                | /    | /   | 16.53    | /    | /   | <=34.77 | Pass    |

|                 |       |                 |       |   |   |       |   |   |         |      |
|-----------------|-------|-----------------|-------|---|---|-------|---|---|---------|------|
|                 |       | Inner 1RB Left  | 19.36 | / | / | 16.71 | / | / | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 19.66 | / | / | 17.01 | / | / | <=34.77 | Pass |
|                 | 680.5 | Outer Full      | 19.20 | / | / | 16.55 | / | / | <=34.77 | Pass |
|                 |       | Inner Full      | 19.31 | / | / | 16.66 | / | / | <=34.77 | Pass |
|                 |       | Inner 1RB Left  | 19.64 | / | / | 16.99 | / | / | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 19.45 | / | / | 16.80 | / | / | <=34.77 | Pass |
|                 | 693   | Outer Full      | 19.14 | / | / | 16.49 | / | / | <=34.77 | Pass |
|                 |       | Inner Full      | 19.17 | / | / | 16.52 | / | / | <=34.77 | Pass |
|                 |       | Inner 1RB Left  | 19.43 | / | / | 16.78 | / | / | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 19.45 | / | / | 16.80 | / | / | <=34.77 | Pass |
| CP-OFDM QPSK    | 668   | Outer Full      | 20.56 | / | / | 17.91 | / | / | <=34.77 | Pass |
|                 |       | Inner Full      | 22.22 | / | / | 19.57 | / | / | <=34.77 | Pass |
|                 |       | Inner 1RB Left  | 21.88 | / | / | 19.23 | / | / | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 22.20 | / | / | 19.55 | / | / | <=34.77 | Pass |
|                 | 680.5 | Outer Full      | 20.77 | / | / | 18.12 | / | / | <=34.77 | Pass |
|                 |       | Inner Full      | 22.33 | / | / | 19.68 | / | / | <=34.77 | Pass |
|                 |       | Inner 1RB Left  | 22.26 | / | / | 19.61 | / | / | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 22.22 | / | / | 19.57 | / | / | <=34.77 | Pass |
|                 | 693   | Outer Full      | 20.73 | / | / | 18.08 | / | / | <=34.77 | Pass |
|                 |       | Inner Full      | 22.15 | / | / | 19.50 | / | / | <=34.77 | Pass |
|                 |       | Inner 1RB Left  | 22.15 | / | / | 19.50 | / | / | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 22.19 | / | / | 19.54 | / | / | <=34.77 | Pass |
| CP-OFDM 16 QAM  | 668   | Outer Full      | 20.55 | / | / | 17.90 | / | / | <=34.77 | Pass |
|                 |       | Inner Full      | 21.72 | / | / | 19.07 | / | / | <=34.77 | Pass |
|                 |       | Inner 1RB Left  | 21.60 | / | / | 18.95 | / | / | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 21.94 | / | / | 19.29 | / | / | <=34.77 | Pass |
|                 | 680.5 | Outer Full      | 20.74 | / | / | 18.09 | / | / | <=34.77 | Pass |
|                 |       | Inner Full      | 21.89 | / | / | 19.24 | / | / | <=34.77 | Pass |
|                 |       | Inner 1RB Left  | 21.85 | / | / | 19.20 | / | / | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 21.73 | / | / | 19.08 | / | / | <=34.77 | Pass |
|                 | 693   | Outer Full      | 20.68 | / | / | 18.03 | / | / | <=34.77 | Pass |
|                 |       | Inner Full      | 21.73 | / | / | 19.08 | / | / | <=34.77 | Pass |
|                 |       | Inner 1RB Left  | 21.82 | / | / | 19.17 | / | / | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 21.82 | / | / | 19.17 | / | / | <=34.77 | Pass |
| CP-OFDM 64 QAM  | 668   | Outer Full      | 19.92 | / | / | 17.27 | / | / | <=34.77 | Pass |
|                 |       | Inner Full      | 20.22 | / | / | 17.57 | / | / | <=34.77 | Pass |
|                 |       | Inner 1RB Left  | 20.05 | / | / | 17.40 | / | / | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 20.39 | / | / | 17.74 | / | / | <=34.77 | Pass |
|                 | 680.5 | Outer Full      | 20.13 | / | / | 17.48 | / | / | <=34.77 | Pass |
|                 |       | Inner Full      | 20.24 | / | / | 17.59 | / | / | <=34.77 | Pass |
|                 |       | Inner 1RB Left  | 20.29 | / | / | 17.64 | / | / | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 20.43 | / | / | 17.78 | / | / | <=34.77 | Pass |
|                 | 693   | Outer Full      | 20.17 | / | / | 17.52 | / | / | <=34.77 | Pass |
|                 |       | Inner Full      | 20.15 | / | / | 17.50 | / | / | <=34.77 | Pass |
|                 |       | Inner 1RB Left  | 20.18 | / | / | 17.53 | / | / | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 20.25 | / | / | 17.60 | / | / | <=34.77 | Pass |
| CP-OFDM 256 QAM | 668   | Outer Full      | 17.14 | / | / | 14.49 | / | / | <=34.77 | Pass |
|                 |       | Inner Full      | 17.23 | / | / | 14.58 | / | / | <=34.77 | Pass |
|                 |       | Inner 1RB Left  | 17.52 | / | / | 14.87 | / | / | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 17.83 | / | / | 15.18 | / | / | <=34.77 | Pass |
|                 | 680.5 | Outer Full      | 17.25 | / | / | 14.60 | / | / | <=34.77 | Pass |
|                 |       | Inner Full      | 17.34 | / | / | 14.69 | / | / | <=34.77 | Pass |
|                 |       | Inner 1RB Left  | 17.76 | / | / | 15.11 | / | / | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 17.67 | / | / | 15.02 | / | / | <=34.77 | Pass |
|                 | 693   | Outer Full      | 17.19 | / | / | 14.54 | / | / | <=34.77 | Pass |
|                 |       | Inner Full      | 17.17 | / | / | 14.52 | / | / | <=34.77 | Pass |
|                 |       | Inner 1RB Left  | 17.67 | / | / | 15.02 | / | / | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 17.69 | / | / | 15.04 | / | / | <=34.77 | Pass |

Note1: Antenna Gain: Ant1: -0.50dBi; Ant2: -0.50dBi;

Note2: ERP=Conducted Power+Antenna Gain-2.15

## 1.1.3 15k\_SISO\_15MHz\_NTNV\_ERP

| 5G NR n71 SCS=15kHz SISO 15MHz NTN |                 |                 |                      |      |     |          |      |     |         |         |
|------------------------------------|-----------------|-----------------|----------------------|------|-----|----------|------|-----|---------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation   | Conducted Power(dBm) |      |     | ERP(dBm) |      |     |         | Verdict |
|                                    |                 |                 | Ant1                 | Ant2 | Sum | Ant1     | Ant2 | Sum | Limit   |         |
| DFT-s-OFDM PI/2 BPSK               | 670.5           | Outer_Full      | 23.08                | /    | /   | 20.43    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_Full      | 23.87                | /    | /   | 21.22    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Left  | 23.57                | /    | /   | 20.92    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Right | 23.99                | /    | /   | 21.34    | /    | /   | <=34.77 | Pass    |
|                                    | 680.5           | Outer_Full      | 23.27                | /    | /   | 20.62    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_Full      | 23.80                | /    | /   | 21.15    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Left  | 23.84                | /    | /   | 21.19    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Right | 23.72                | /    | /   | 21.07    | /    | /   | <=34.77 | Pass    |
|                                    | 690.5           | Outer_Full      | 23.23                | /    | /   | 20.58    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_Full      | 23.80                | /    | /   | 21.15    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Left  | 23.80                | /    | /   | 21.15    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Right | 23.75                | /    | /   | 21.10    | /    | /   | <=34.77 | Pass    |
| DFT-s-OFDM QPSK                    | 670.5           | Outer_Full      | 22.60                | /    | /   | 19.95    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_Full      | 23.87                | /    | /   | 21.22    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Left  | 23.61                | /    | /   | 20.96    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Right | 23.94                | /    | /   | 21.29    | /    | /   | <=34.77 | Pass    |
|                                    | 680.5           | Outer_Full      | 22.77                | /    | /   | 20.12    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_Full      | 23.81                | /    | /   | 21.16    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Left  | 23.87                | /    | /   | 21.22    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Right | 23.78                | /    | /   | 21.13    | /    | /   | <=34.77 | Pass    |
|                                    | 690.5           | Outer_Full      | 22.76                | /    | /   | 20.11    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_Full      | 23.85                | /    | /   | 21.20    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Left  | 23.81                | /    | /   | 21.16    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Right | 23.73                | /    | /   | 21.08    | /    | /   | <=34.77 | Pass    |
| DFT-s-OFDM 16 QAM                  | 670.5           | Outer_Full      | 21.74                | /    | /   | 19.09    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_Full      | 22.86                | /    | /   | 20.21    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Left  | 22.30                | /    | /   | 19.65    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Right | 22.76                | /    | /   | 20.11    | /    | /   | <=34.77 | Pass    |
|                                    | 680.5           | Outer_Full      | 21.74                | /    | /   | 19.09    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_Full      | 22.79                | /    | /   | 20.14    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Left  | 22.66                | /    | /   | 20.01    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Right | 22.45                | /    | /   | 19.80    | /    | /   | <=34.77 | Pass    |
|                                    | 690.5           | Outer_Full      | 21.83                | /    | /   | 19.18    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_Full      | 22.82                | /    | /   | 20.17    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Left  | 22.60                | /    | /   | 19.95    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Right | 22.55                | /    | /   | 19.90    | /    | /   | <=34.77 | Pass    |
| DFT-s-OFDM 64 QAM                  | 670.5           | Outer_Full      | 21.19                | /    | /   | 18.54    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_Full      | 21.31                | /    | /   | 18.66    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Left  | 20.92                | /    | /   | 18.27    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Right | 21.29                | /    | /   | 18.64    | /    | /   | <=34.77 | Pass    |
|                                    | 680.5           | Outer_Full      | 21.31                | /    | /   | 18.66    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_Full      | 21.32                | /    | /   | 18.67    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Left  | 21.15                | /    | /   | 18.50    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Right | 21.12                | /    | /   | 18.47    | /    | /   | <=34.77 | Pass    |
|                                    | 690.5           | Outer_Full      | 21.34                | /    | /   | 18.69    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_Full      | 21.24                | /    | /   | 18.59    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Left  | 21.10                | /    | /   | 18.45    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Right | 21.08                | /    | /   | 18.43    | /    | /   | <=34.77 | Pass    |
| DFT-s-OFDM 256 QAM                 | 670.5           | Outer_Full      | 19.11                | /    | /   | 16.46    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_Full      | 19.15                | /    | /   | 16.50    | /    | /   | <=34.77 | Pass    |

|                 |       |                 |       |   |   |       |   |   |         |      |
|-----------------|-------|-----------------|-------|---|---|-------|---|---|---------|------|
|                 |       | Inner 1RB Left  | 19.39 | / | / | 16.74 | / | / | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 19.68 | / | / | 17.03 | / | / | <=34.77 | Pass |
|                 | 680.5 | Outer Full      | 19.27 | / | / | 16.62 | / | / | <=34.77 | Pass |
|                 |       | Inner Full      | 19.18 | / | / | 16.53 | / | / | <=34.77 | Pass |
|                 |       | Inner 1RB Left  | 19.63 | / | / | 16.98 | / | / | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 19.63 | / | / | 16.98 | / | / | <=34.77 | Pass |
|                 | 690.5 | Outer Full      | 19.19 | / | / | 16.54 | / | / | <=34.77 | Pass |
|                 |       | Inner Full      | 19.19 | / | / | 16.54 | / | / | <=34.77 | Pass |
|                 |       | Inner 1RB Left  | 19.48 | / | / | 16.83 | / | / | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 19.55 | / | / | 16.90 | / | / | <=34.77 | Pass |
| CP-OFDM QPSK    | 670.5 | Outer Full      | 20.63 | / | / | 17.98 | / | / | <=34.77 | Pass |
|                 |       | Inner Full      | 22.29 | / | / | 19.64 | / | / | <=34.77 | Pass |
|                 |       | Inner 1RB Left  | 21.90 | / | / | 19.25 | / | / | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 22.40 | / | / | 19.75 | / | / | <=34.77 | Pass |
|                 | 680.5 | Outer Full      | 20.70 | / | / | 18.05 | / | / | <=34.77 | Pass |
|                 |       | Inner Full      | 22.40 | / | / | 19.75 | / | / | <=34.77 | Pass |
|                 |       | Inner 1RB Left  | 22.22 | / | / | 19.57 | / | / | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 22.22 | / | / | 19.57 | / | / | <=34.77 | Pass |
|                 | 690.5 | Outer Full      | 20.77 | / | / | 18.12 | / | / | <=34.77 | Pass |
|                 |       | Inner Full      | 22.23 | / | / | 19.58 | / | / | <=34.77 | Pass |
|                 |       | Inner 1RB Left  | 22.13 | / | / | 19.48 | / | / | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 22.20 | / | / | 19.55 | / | / | <=34.77 | Pass |
| CP-OFDM 16 QAM  | 670.5 | Outer Full      | 20.69 | / | / | 18.04 | / | / | <=34.77 | Pass |
|                 |       | Inner Full      | 21.85 | / | / | 19.20 | / | / | <=34.77 | Pass |
|                 |       | Inner 1RB Left  | 21.62 | / | / | 18.97 | / | / | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 22.04 | / | / | 19.39 | / | / | <=34.77 | Pass |
|                 | 680.5 | Outer Full      | 20.73 | / | / | 18.08 | / | / | <=34.77 | Pass |
|                 |       | Inner Full      | 21.86 | / | / | 19.21 | / | / | <=34.77 | Pass |
|                 |       | Inner 1RB Left  | 21.96 | / | / | 19.31 | / | / | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 21.83 | / | / | 19.18 | / | / | <=34.77 | Pass |
|                 | 690.5 | Outer Full      | 20.78 | / | / | 18.13 | / | / | <=34.77 | Pass |
|                 |       | Inner Full      | 21.81 | / | / | 19.16 | / | / | <=34.77 | Pass |
|                 |       | Inner 1RB Left  | 21.81 | / | / | 19.16 | / | / | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 21.82 | / | / | 19.17 | / | / | <=34.77 | Pass |
| CP-OFDM 64 QAM  | 670.5 | Outer Full      | 20.15 | / | / | 17.50 | / | / | <=34.77 | Pass |
|                 |       | Inner Full      | 20.30 | / | / | 17.65 | / | / | <=34.77 | Pass |
|                 |       | Inner 1RB Left  | 19.92 | / | / | 17.27 | / | / | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 20.39 | / | / | 17.74 | / | / | <=34.77 | Pass |
|                 | 680.5 | Outer Full      | 20.24 | / | / | 17.59 | / | / | <=34.77 | Pass |
|                 |       | Inner Full      | 20.31 | / | / | 17.66 | / | / | <=34.77 | Pass |
|                 |       | Inner 1RB Left  | 20.30 | / | / | 17.65 | / | / | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 20.24 | / | / | 17.59 | / | / | <=34.77 | Pass |
|                 | 690.5 | Outer Full      | 20.20 | / | / | 17.55 | / | / | <=34.77 | Pass |
|                 |       | Inner Full      | 20.24 | / | / | 17.59 | / | / | <=34.77 | Pass |
|                 |       | Inner 1RB Left  | 20.23 | / | / | 17.58 | / | / | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 20.28 | / | / | 17.63 | / | / | <=34.77 | Pass |
| CP-OFDM 256 QAM | 670.5 | Outer Full      | 17.15 | / | / | 14.50 | / | / | <=34.77 | Pass |
|                 |       | Inner Full      | 17.19 | / | / | 14.54 | / | / | <=34.77 | Pass |
|                 |       | Inner 1RB Left  | 17.46 | / | / | 14.81 | / | / | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 17.87 | / | / | 15.22 | / | / | <=34.77 | Pass |
|                 | 680.5 | Outer Full      | 17.27 | / | / | 14.62 | / | / | <=34.77 | Pass |
|                 |       | Inner Full      | 17.30 | / | / | 14.65 | / | / | <=34.77 | Pass |
|                 |       | Inner 1RB Left  | 17.75 | / | / | 15.10 | / | / | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 17.74 | / | / | 15.09 | / | / | <=34.77 | Pass |
|                 | 690.5 | Outer Full      | 17.26 | / | / | 14.61 | / | / | <=34.77 | Pass |
|                 |       | Inner Full      | 17.21 | / | / | 14.56 | / | / | <=34.77 | Pass |
|                 |       | Inner 1RB Left  | 17.65 | / | / | 15.00 | / | / | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 17.63 | / | / | 14.98 | / | / | <=34.77 | Pass |

Note1: Antenna Gain: Ant1: -0.50dBi; Ant2: -0.50dBi;

Note2: ERP=Conducted Power+Antenna Gain-2.15

## 1.1.4 15k\_SISO\_20MHz\_NTNV\_ERP

| 5G NR n71 SCS=15kHz SISO 20MHz NTN |                 |                 |                      |      |     |          |      |     |         |         |
|------------------------------------|-----------------|-----------------|----------------------|------|-----|----------|------|-----|---------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation   | Conducted Power(dBm) |      |     | ERP(dBm) |      |     |         | Verdict |
|                                    |                 |                 | Ant1                 | Ant2 | Sum | Ant1     | Ant2 | Sum | Limit   |         |
| DFT-s-OFDM PI/2 BPSK               | 673             | Outer_Full      | 23.25                | /    | /   | 20.60    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_Full      | 23.92                | /    | /   | 21.27    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Left  | 23.56                | /    | /   | 20.91    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Right | 23.90                | /    | /   | 21.25    | /    | /   | <=34.77 | Pass    |
|                                    | 680.5           | Outer_Full      | 23.24                | /    | /   | 20.59    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_Full      | 23.89                | /    | /   | 21.24    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Left  | 23.78                | /    | /   | 21.13    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Right | 23.77                | /    | /   | 21.12    | /    | /   | <=34.77 | Pass    |
|                                    | 688             | Outer_Full      | 23.19                | /    | /   | 20.54    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_Full      | 23.84                | /    | /   | 21.19    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Left  | 23.84                | /    | /   | 21.19    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Right | 23.77                | /    | /   | 21.12    | /    | /   | <=34.77 | Pass    |
| DFT-s-OFDM QPSK                    | 673             | Outer_Full      | 22.85                | /    | /   | 20.20    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_Full      | 24.01                | /    | /   | 21.36    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Left  | 23.61                | /    | /   | 20.96    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Right | 23.94                | /    | /   | 21.29    | /    | /   | <=34.77 | Pass    |
|                                    | 680.5           | Outer_Full      | 22.76                | /    | /   | 20.11    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_Full      | 23.85                | /    | /   | 21.20    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Left  | 23.91                | /    | /   | 21.26    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Right | 23.77                | /    | /   | 21.12    | /    | /   | <=34.77 | Pass    |
|                                    | 688             | Outer_Full      | 22.75                | /    | /   | 20.10    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_Full      | 23.93                | /    | /   | 21.28    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Left  | 23.83                | /    | /   | 21.18    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Right | 23.85                | /    | /   | 21.20    | /    | /   | <=34.77 | Pass    |
| DFT-s-OFDM 16 QAM                  | 673             | Outer_Full      | 21.85                | /    | /   | 19.20    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_Full      | 22.92                | /    | /   | 20.27    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Left  | 22.52                | /    | /   | 19.87    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Right | 22.69                | /    | /   | 20.04    | /    | /   | <=34.77 | Pass    |
|                                    | 680.5           | Outer_Full      | 21.83                | /    | /   | 19.18    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_Full      | 22.85                | /    | /   | 20.20    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Left  | 22.60                | /    | /   | 19.95    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Right | 22.48                | /    | /   | 19.83    | /    | /   | <=34.77 | Pass    |
|                                    | 688             | Outer_Full      | 21.76                | /    | /   | 19.11    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_Full      | 22.91                | /    | /   | 20.26    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Left  | 22.66                | /    | /   | 20.01    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Right | 22.63                | /    | /   | 19.98    | /    | /   | <=34.77 | Pass    |
| DFT-s-OFDM 64 QAM                  | 673             | Outer_Full      | 21.37                | /    | /   | 18.72    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_Full      | 21.42                | /    | /   | 18.77    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Left  | 20.92                | /    | /   | 18.27    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Right | 21.29                | /    | /   | 18.64    | /    | /   | <=34.77 | Pass    |
|                                    | 680.5           | Outer_Full      | 21.26                | /    | /   | 18.61    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_Full      | 21.37                | /    | /   | 18.72    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Left  | 21.28                | /    | /   | 18.63    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Right | 21.11                | /    | /   | 18.46    | /    | /   | <=34.77 | Pass    |
|                                    | 688             | Outer_Full      | 21.25                | /    | /   | 18.60    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_Full      | 21.39                | /    | /   | 18.74    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Left  | 21.27                | /    | /   | 18.62    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Right | 21.13                | /    | /   | 18.48    | /    | /   | <=34.77 | Pass    |
| DFT-s-OFDM 256 QAM                 | 673             | Outer_Full      | 19.27                | /    | /   | 16.62    | /    | /   | <=34.77 | Pass    |
|                                    |                 | Inner_Full      | 19.35                | /    | /   | 16.70    | /    | /   | <=34.77 | Pass    |

|                 |       |                 |       |   |   |       |   |   |         |      |
|-----------------|-------|-----------------|-------|---|---|-------|---|---|---------|------|
|                 |       | Inner 1RB Left  | 19.41 | / | / | 16.76 | / | / | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 19.74 | / | / | 17.09 | / | / | <=34.77 | Pass |
|                 | 680.5 | Outer Full      | 19.24 | / | / | 16.59 | / | / | <=34.77 | Pass |
|                 |       | Inner Full      | 19.26 | / | / | 16.61 | / | / | <=34.77 | Pass |
|                 |       | Inner 1RB Left  | 19.60 | / | / | 16.95 | / | / | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 19.49 | / | / | 16.84 | / | / | <=34.77 | Pass |
|                 | 688   | Outer Full      | 19.20 | / | / | 16.55 | / | / | <=34.77 | Pass |
|                 |       | Inner Full      | 19.18 | / | / | 16.53 | / | / | <=34.77 | Pass |
|                 |       | Inner 1RB Left  | 19.72 | / | / | 17.07 | / | / | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 19.56 | / | / | 16.91 | / | / | <=34.77 | Pass |
| CP-OFDM QPSK    | 673   | Outer Full      | 20.88 | / | / | 18.23 | / | / | <=34.77 | Pass |
|                 |       | Inner Full      | 22.39 | / | / | 19.74 | / | / | <=34.77 | Pass |
|                 |       | Inner 1RB Left  | 21.88 | / | / | 19.23 | / | / | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 22.29 | / | / | 19.64 | / | / | <=34.77 | Pass |
|                 | 680.5 | Outer Full      | 20.76 | / | / | 18.11 | / | / | <=34.77 | Pass |
|                 |       | Inner Full      | 22.28 | / | / | 19.63 | / | / | <=34.77 | Pass |
|                 |       | Inner 1RB Left  | 22.18 | / | / | 19.53 | / | / | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 22.19 | / | / | 19.54 | / | / | <=34.77 | Pass |
|                 | 688   | Outer Full      | 20.76 | / | / | 18.11 | / | / | <=34.77 | Pass |
|                 |       | Inner Full      | 22.29 | / | / | 19.64 | / | / | <=34.77 | Pass |
|                 |       | Inner 1RB Left  | 22.28 | / | / | 19.63 | / | / | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 22.22 | / | / | 19.57 | / | / | <=34.77 | Pass |
| CP-OFDM 16 QAM  | 673   | Outer Full      | 20.86 | / | / | 18.21 | / | / | <=34.77 | Pass |
|                 |       | Inner Full      | 21.90 | / | / | 19.25 | / | / | <=34.77 | Pass |
|                 |       | Inner 1RB Left  | 21.62 | / | / | 18.97 | / | / | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 21.98 | / | / | 19.33 | / | / | <=34.77 | Pass |
|                 | 680.5 | Outer Full      | 20.82 | / | / | 18.17 | / | / | <=34.77 | Pass |
|                 |       | Inner Full      | 21.81 | / | / | 19.16 | / | / | <=34.77 | Pass |
|                 |       | Inner 1RB Left  | 21.81 | / | / | 19.16 | / | / | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 21.80 | / | / | 19.15 | / | / | <=34.77 | Pass |
|                 | 688   | Outer Full      | 20.71 | / | / | 18.06 | / | / | <=34.77 | Pass |
|                 |       | Inner Full      | 21.79 | / | / | 19.14 | / | / | <=34.77 | Pass |
|                 |       | Inner 1RB Left  | 21.83 | / | / | 19.18 | / | / | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 21.84 | / | / | 19.19 | / | / | <=34.77 | Pass |
| CP-OFDM 64 QAM  | 673   | Outer Full      | 20.30 | / | / | 17.65 | / | / | <=34.77 | Pass |
|                 |       | Inner Full      | 20.36 | / | / | 17.71 | / | / | <=34.77 | Pass |
|                 |       | Inner 1RB Left  | 20.04 | / | / | 17.39 | / | / | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 20.28 | / | / | 17.63 | / | / | <=34.77 | Pass |
|                 | 680.5 | Outer Full      | 20.26 | / | / | 17.61 | / | / | <=34.77 | Pass |
|                 |       | Inner Full      | 20.22 | / | / | 17.57 | / | / | <=34.77 | Pass |
|                 |       | Inner 1RB Left  | 20.43 | / | / | 17.78 | / | / | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 20.25 | / | / | 17.60 | / | / | <=34.77 | Pass |
|                 | 688   | Outer Full      | 20.18 | / | / | 17.53 | / | / | <=34.77 | Pass |
|                 |       | Inner Full      | 20.28 | / | / | 17.63 | / | / | <=34.77 | Pass |
|                 |       | Inner 1RB Left  | 20.32 | / | / | 17.67 | / | / | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 20.38 | / | / | 17.73 | / | / | <=34.77 | Pass |
| CP-OFDM 256 QAM | 673   | Outer Full      | 17.28 | / | / | 14.63 | / | / | <=34.77 | Pass |
|                 |       | Inner Full      | 17.39 | / | / | 14.74 | / | / | <=34.77 | Pass |
|                 |       | Inner 1RB Left  | 17.43 | / | / | 14.78 | / | / | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 17.77 | / | / | 15.12 | / | / | <=34.77 | Pass |
|                 | 680.5 | Outer Full      | 17.30 | / | / | 14.65 | / | / | <=34.77 | Pass |
|                 |       | Inner Full      | 17.31 | / | / | 14.66 | / | / | <=34.77 | Pass |
|                 |       | Inner 1RB Left  | 17.73 | / | / | 15.08 | / | / | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 17.69 | / | / | 15.04 | / | / | <=34.77 | Pass |
|                 | 688   | Outer Full      | 17.20 | / | / | 14.55 | / | / | <=34.77 | Pass |
|                 |       | Inner Full      | 17.28 | / | / | 14.63 | / | / | <=34.77 | Pass |
|                 |       | Inner 1RB Left  | 17.62 | / | / | 14.97 | / | / | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 17.71 | / | / | 15.06 | / | / | <=34.77 | Pass |

Note1: Antenna Gain: Ant1: -0.50dBi; Ant2: -0.50dBi;

Note2: ERP=Conducted Power+Antenna Gain-2.15

## 1.1.5 15k\_MIMO\_5MHz\_NTNV\_ERP

| 5G NR n71 SCS=15kHz MIMO 5MHz NTN |                 |                 |                      |       |       |          |       |       |         |         |
|-----------------------------------|-----------------|-----------------|----------------------|-------|-------|----------|-------|-------|---------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation   | Conducted Power(dBm) |       |       | ERP(dBm) |       |       |         | Verdict |
|                                   |                 |                 | Ant1                 | Ant2  | Sum   | Ant1     | Ant2  | Sum   | Limit   |         |
| DFT-s-OFDM PI/2 BPSK              | 665.5           | Outer_Full      | 19.97                | 19.97 | 22.98 | 17.32    | 17.32 | 20.33 | <=34.77 | Pass    |
|                                   |                 | Inner_Full      | 20.54                | 20.53 | 23.55 | 17.89    | 17.88 | 20.90 | <=34.77 | Pass    |
|                                   |                 | Inner_1RB_Left  | 20.49                | 20.45 | 23.48 | 17.84    | 17.80 | 20.83 | <=34.77 | Pass    |
|                                   |                 | Inner_1RB_Right | 20.49                | 20.52 | 23.51 | 17.84    | 17.87 | 20.87 | <=34.77 | Pass    |
|                                   | 680.5           | Outer_Full      | 19.73                | 19.86 | 22.80 | 17.08    | 17.21 | 20.16 | <=34.77 | Pass    |
|                                   |                 | Inner_Full      | 20.27                | 20.41 | 23.35 | 17.62    | 17.76 | 20.70 | <=34.77 | Pass    |
|                                   |                 | Inner_1RB_Left  | 20.19                | 20.35 | 23.28 | 17.54    | 17.70 | 20.63 | <=34.77 | Pass    |
|                                   |                 | Inner_1RB_Right | 20.30                | 20.41 | 23.36 | 17.65    | 17.76 | 20.72 | <=34.77 | Pass    |
|                                   | 695.5           | Outer_Full      | 19.92                | 19.83 | 22.88 | 17.27    | 17.18 | 20.24 | <=34.77 | Pass    |
|                                   |                 | Inner_Full      | 20.56                | 20.46 | 23.52 | 17.91    | 17.81 | 20.87 | <=34.77 | Pass    |
|                                   |                 | Inner_1RB_Left  | 20.42                | 20.32 | 23.38 | 17.77    | 17.67 | 20.73 | <=34.77 | Pass    |
|                                   |                 | Inner_1RB_Right | 20.48                | 20.41 | 23.45 | 17.83    | 17.76 | 20.81 | <=34.77 | Pass    |
| DFT-s-OFDM QPSK                   | 665.5           | Outer_Full      | 19.46                | 19.47 | 22.47 | 16.81    | 16.82 | 19.83 | <=34.77 | Pass    |
|                                   |                 | Inner_Full      | 20.47                | 20.47 | 23.48 | 17.82    | 17.82 | 20.83 | <=34.77 | Pass    |
|                                   |                 | Inner_1RB_Left  | 20.36                | 20.33 | 23.36 | 17.71    | 17.68 | 20.71 | <=34.77 | Pass    |
|                                   |                 | Inner_1RB_Right | 20.40                | 20.44 | 23.43 | 17.75    | 17.79 | 20.78 | <=34.77 | Pass    |
|                                   | 680.5           | Outer_Full      | 19.24                | 19.38 | 22.32 | 16.59    | 16.73 | 19.67 | <=34.77 | Pass    |
|                                   |                 | Inner_Full      | 20.32                | 20.45 | 23.40 | 17.67    | 17.80 | 20.75 | <=34.77 | Pass    |
|                                   |                 | Inner_1RB_Left  | 20.16                | 20.31 | 23.25 | 17.51    | 17.66 | 20.60 | <=34.77 | Pass    |
|                                   |                 | Inner_1RB_Right | 20.24                | 20.35 | 23.30 | 17.59    | 17.70 | 20.66 | <=34.77 | Pass    |
|                                   | 695.5           | Outer_Full      | 19.45                | 19.36 | 22.42 | 16.80    | 16.71 | 19.77 | <=34.77 | Pass    |
|                                   |                 | Inner_Full      | 20.52                | 20.42 | 23.48 | 17.87    | 17.77 | 20.83 | <=34.77 | Pass    |
|                                   |                 | Inner_1RB_Left  | 20.39                | 20.29 | 23.35 | 17.74    | 17.64 | 20.70 | <=34.77 | Pass    |
|                                   |                 | Inner_1RB_Right | 20.47                | 20.40 | 23.45 | 17.82    | 17.75 | 20.80 | <=34.77 | Pass    |
| DFT-s-OFDM 16 QAM                 | 665.5           | Outer_Full      | 18.57                | 18.58 | 21.59 | 15.92    | 15.93 | 18.94 | <=34.77 | Pass    |
|                                   |                 | Inner_Full      | 19.61                | 19.61 | 22.62 | 16.96    | 16.96 | 19.97 | <=34.77 | Pass    |
|                                   |                 | Inner_1RB_Left  | 19.47                | 19.44 | 22.46 | 16.82    | 16.79 | 19.82 | <=34.77 | Pass    |
|                                   |                 | Inner_1RB_Right | 19.52                | 19.56 | 22.55 | 16.87    | 16.91 | 19.90 | <=34.77 | Pass    |
|                                   | 680.5           | Outer_Full      | 18.34                | 18.48 | 21.42 | 15.69    | 15.83 | 18.77 | <=34.77 | Pass    |
|                                   |                 | Inner_Full      | 19.34                | 19.48 | 22.42 | 16.69    | 16.83 | 19.77 | <=34.77 | Pass    |
|                                   |                 | Inner_1RB_Left  | 19.22                | 19.37 | 22.30 | 16.57    | 16.72 | 19.66 | <=34.77 | Pass    |
|                                   |                 | Inner_1RB_Right | 19.30                | 19.41 | 22.37 | 16.65    | 16.76 | 19.72 | <=34.77 | Pass    |
|                                   | 695.5           | Outer_Full      | 18.53                | 18.44 | 21.50 | 15.88    | 15.79 | 18.85 | <=34.77 | Pass    |
|                                   |                 | Inner_Full      | 19.48                | 19.38 | 22.44 | 16.83    | 16.73 | 19.79 | <=34.77 | Pass    |
|                                   |                 | Inner_1RB_Left  | 19.45                | 19.34 | 22.41 | 16.80    | 16.69 | 19.76 | <=34.77 | Pass    |
|                                   |                 | Inner_1RB_Right | 19.58                | 19.51 | 22.56 | 16.93    | 16.86 | 19.91 | <=34.77 | Pass    |
| DFT-s-OFDM 64 QAM                 | 665.5           | Outer_Full      | 18.01                | 18.01 | 21.02 | 15.36    | 15.36 | 18.37 | <=34.77 | Pass    |
|                                   |                 | Inner_Full      | 18.07                | 18.07 | 21.08 | 15.42    | 15.42 | 18.43 | <=34.77 | Pass    |
|                                   |                 | Inner_1RB_Left  | 18.01                | 17.98 | 21.01 | 15.36    | 15.33 | 18.36 | <=34.77 | Pass    |
|                                   |                 | Inner_1RB_Right | 18.13                | 18.17 | 21.16 | 15.48    | 15.52 | 18.51 | <=34.77 | Pass    |
|                                   | 680.5           | Outer_Full      | 17.81                | 17.94 | 20.88 | 15.16    | 15.29 | 18.24 | <=34.77 | Pass    |
|                                   |                 | Inner_Full      | 17.85                | 17.99 | 20.93 | 15.20    | 15.34 | 18.28 | <=34.77 | Pass    |
|                                   |                 | Inner_1RB_Left  | 16.00                | 16.15 | 19.08 | 13.35    | 13.50 | 16.44 | <=34.77 | Pass    |
|                                   |                 | Inner_1RB_Right | 17.76                | 17.87 | 20.83 | 15.11    | 15.22 | 18.18 | <=34.77 | Pass    |
|                                   | 695.5           | Outer_Full      | 18.07                | 17.97 | 21.03 | 15.42    | 15.32 | 18.38 | <=34.77 | Pass    |
|                                   |                 | Inner_Full      | 18.14                | 18.04 | 21.10 | 15.49    | 15.39 | 18.45 | <=34.77 | Pass    |
|                                   |                 | Inner_1RB_Left  | 18.06                | 17.95 | 21.02 | 15.41    | 15.30 | 18.37 | <=34.77 | Pass    |
|                                   |                 | Inner_1RB_Right | 18.07                | 18.00 | 21.05 | 15.42    | 15.35 | 18.40 | <=34.77 | Pass    |
| DFT-s-OFDM 256 QAM                | 665.5           | Outer_Full      | 16.08                | 16.09 | 19.09 | 13.43    | 13.44 | 16.45 | <=34.77 | Pass    |
|                                   |                 | Inner_Full      | 16.05                | 16.06 | 19.07 | 13.40    | 13.41 | 16.42 | <=34.77 | Pass    |

|                 |       |                 |       |       |       |       |       |       |         |      |
|-----------------|-------|-----------------|-------|-------|-------|-------|-------|-------|---------|------|
|                 |       | Inner 1RB Left  | 16.30 | 16.27 | 19.30 | 13.65 | 13.62 | 16.65 | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 16.24 | 16.28 | 19.27 | 13.59 | 13.63 | 16.62 | <=34.77 | Pass |
|                 | 680.5 | Outer Full      | 15.84 | 15.97 | 18.92 | 13.19 | 13.32 | 16.27 | <=34.77 | Pass |
|                 |       | Inner Full      | 15.69 | 15.83 | 18.77 | 13.04 | 13.18 | 16.12 | <=34.77 | Pass |
|                 |       | Inner 1RB Left  | 15.88 | 16.04 | 18.97 | 13.23 | 13.39 | 16.32 | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 15.96 | 16.07 | 19.02 | 13.31 | 13.42 | 16.38 | <=34.77 | Pass |
|                 | 695.5 | Outer Full      | 16.15 | 16.06 | 19.12 | 13.50 | 13.41 | 16.47 | <=34.77 | Pass |
|                 |       | Inner Full      | 16.06 | 15.97 | 19.03 | 13.41 | 13.32 | 16.38 | <=34.77 | Pass |
|                 |       | Inner 1RB Left  | 16.25 | 16.15 | 19.21 | 13.60 | 13.50 | 16.56 | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 16.29 | 16.22 | 19.26 | 13.64 | 13.57 | 16.62 | <=34.77 | Pass |
| CP-OFDM QPSK    | 665.5 | Outer Full      | 17.56 | 17.57 | 20.57 | 14.91 | 14.92 | 17.93 | <=34.77 | Pass |
|                 |       | Inner Full      | 19.00 | 19.00 | 22.01 | 16.35 | 16.35 | 19.36 | <=34.77 | Pass |
|                 |       | Inner 1RB Left  | 18.99 | 18.96 | 21.99 | 16.34 | 16.31 | 19.34 | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 19.01 | 19.05 | 22.04 | 16.36 | 16.40 | 19.39 | <=34.77 | Pass |
|                 | 680.5 | Outer Full      | 17.22 | 17.35 | 20.30 | 14.57 | 14.70 | 17.65 | <=34.77 | Pass |
|                 |       | Inner Full      | 18.72 | 18.85 | 21.80 | 16.07 | 16.20 | 19.15 | <=34.77 | Pass |
|                 |       | Inner 1RB Left  | 18.66 | 18.81 | 21.75 | 16.01 | 16.16 | 19.10 | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 18.67 | 18.77 | 21.73 | 16.02 | 16.12 | 19.08 | <=34.77 | Pass |
|                 | 695.5 | Outer Full      | 17.60 | 17.51 | 20.57 | 14.95 | 14.86 | 17.92 | <=34.77 | Pass |
|                 |       | Inner Full      | 19.05 | 18.96 | 22.02 | 16.40 | 16.31 | 19.37 | <=34.77 | Pass |
|                 |       | Inner 1RB Left  | 18.96 | 18.86 | 21.92 | 16.31 | 16.21 | 19.27 | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 19.00 | 18.92 | 21.97 | 16.35 | 16.27 | 19.32 | <=34.77 | Pass |
| CP-OFDM 16 QAM  | 665.5 | Outer Full      | 17.58 | 17.58 | 20.59 | 14.93 | 14.93 | 17.94 | <=34.77 | Pass |
|                 |       | Inner Full      | 18.68 | 18.68 | 21.69 | 16.03 | 16.03 | 19.04 | <=34.77 | Pass |
|                 |       | Inner 1RB Left  | 18.60 | 18.57 | 21.59 | 15.95 | 15.92 | 18.95 | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 18.59 | 18.63 | 21.62 | 15.94 | 15.98 | 18.97 | <=34.77 | Pass |
|                 | 680.5 | Outer Full      | 17.26 | 17.39 | 20.34 | 14.61 | 14.74 | 17.69 | <=34.77 | Pass |
|                 |       | Inner Full      | 18.49 | 18.63 | 21.57 | 15.84 | 15.98 | 18.92 | <=34.77 | Pass |
|                 |       | Inner 1RB Left  | 18.18 | 18.33 | 21.27 | 15.53 | 15.68 | 18.62 | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 18.24 | 18.35 | 21.30 | 15.59 | 15.70 | 18.66 | <=34.77 | Pass |
|                 | 695.5 | Outer Full      | 17.59 | 17.50 | 20.55 | 14.94 | 14.85 | 17.91 | <=34.77 | Pass |
|                 |       | Inner Full      | 18.60 | 18.51 | 21.56 | 15.95 | 15.86 | 18.92 | <=34.77 | Pass |
|                 |       | Inner 1RB Left  | 18.54 | 18.44 | 21.50 | 15.89 | 15.79 | 18.85 | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 18.57 | 18.50 | 21.54 | 15.92 | 15.85 | 18.90 | <=34.77 | Pass |
| CP-OFDM 64 QAM  | 665.5 | Outer Full      | 17.00 | 17.00 | 20.01 | 14.35 | 14.35 | 17.36 | <=34.77 | Pass |
|                 |       | Inner Full      | 16.98 | 16.99 | 19.99 | 14.33 | 14.34 | 17.35 | <=34.77 | Pass |
|                 |       | Inner 1RB Left  | 17.16 | 17.13 | 20.16 | 14.51 | 14.48 | 17.51 | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 17.16 | 17.20 | 20.19 | 14.51 | 14.55 | 17.54 | <=34.77 | Pass |
|                 | 680.5 | Outer Full      | 16.67 | 16.81 | 19.75 | 14.02 | 14.16 | 17.10 | <=34.77 | Pass |
|                 |       | Inner Full      | 16.66 | 16.80 | 19.74 | 14.01 | 14.15 | 17.09 | <=34.77 | Pass |
|                 |       | Inner 1RB Left  | 16.61 | 16.76 | 19.70 | 13.96 | 14.11 | 17.05 | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 16.64 | 16.75 | 19.71 | 13.99 | 14.10 | 17.06 | <=34.77 | Pass |
|                 | 695.5 | Outer Full      | 17.01 | 16.92 | 19.98 | 14.36 | 14.27 | 17.33 | <=34.77 | Pass |
|                 |       | Inner Full      | 17.04 | 16.95 | 20.01 | 14.39 | 14.30 | 17.36 | <=34.77 | Pass |
|                 |       | Inner 1RB Left  | 17.15 | 17.05 | 20.11 | 14.50 | 14.40 | 17.46 | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 17.20 | 17.13 | 20.18 | 14.55 | 14.48 | 17.53 | <=34.77 | Pass |
| CP-OFDM 256 QAM | 665.5 | Outer Full      | 14.05 | 14.06 | 17.07 | 11.40 | 11.41 | 14.42 | <=34.77 | Pass |
|                 |       | Inner Full      | 14.18 | 14.19 | 17.20 | 11.53 | 11.54 | 14.55 | <=34.77 | Pass |
|                 |       | Inner 1RB Left  | 14.05 | 14.02 | 17.04 | 11.40 | 11.37 | 14.40 | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 14.13 | 14.17 | 17.16 | 11.48 | 11.52 | 14.51 | <=34.77 | Pass |
|                 | 680.5 | Outer Full      | 13.72 | 13.86 | 16.80 | 11.07 | 11.21 | 14.15 | <=34.77 | Pass |
|                 |       | Inner Full      | 13.93 | 14.07 | 17.01 | 11.28 | 11.42 | 14.36 | <=34.77 | Pass |
|                 |       | Inner 1RB Left  | 13.77 | 13.92 | 16.86 | 11.12 | 11.27 | 14.21 | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 13.82 | 13.94 | 16.89 | 11.17 | 11.29 | 14.24 | <=34.77 | Pass |
|                 | 695.5 | Outer Full      | 14.09 | 14.00 | 17.06 | 11.44 | 11.35 | 14.41 | <=34.77 | Pass |
|                 |       | Inner Full      | 14.13 | 14.03 | 17.09 | 11.48 | 11.38 | 14.44 | <=34.77 | Pass |
|                 |       | Inner 1RB Left  | 14.06 | 13.96 | 17.02 | 11.41 | 11.31 | 14.37 | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 14.09 | 14.02 | 17.06 | 11.44 | 11.37 | 14.42 | <=34.77 | Pass |

Note1: Antenna Gain: Ant1: -0.50dBi; Ant2: -0.50dBi;

Note2: ERP Ant\_1=Conducted Power\_1+Ant Gain\_1-2.15 / ERP Ant\_2=Conducted Power\_2+Ant Gain\_2-2.15 / Sum=ERP Ant\_1+ERP Ant\_2

## 1.1.6 15k\_MIMO\_10MHz\_NTNV\_ERP

| 5G NR n71 SCS=15kHz MIMO 10MHz NTN |                 |                 |                      |       |       |          |       |       |         |         |
|------------------------------------|-----------------|-----------------|----------------------|-------|-------|----------|-------|-------|---------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation   | Conducted Power(dBm) |       |       | ERP(dBm) |       |       |         | Verdict |
|                                    |                 |                 | Ant1                 | Ant2  | Sum   | Ant1     | Ant2  | Sum   | Limit   |         |
| DFT-s-OFDM PI/2 BPSK               | 668             | Outer_Full      | 19.72                | 19.79 | 22.76 | 17.07    | 17.14 | 20.12 | <=34.77 | Pass    |
|                                    |                 | Inner_Full      | 20.45                | 20.52 | 23.50 | 17.80    | 17.87 | 20.85 | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Left  | 20.49                | 20.47 | 23.49 | 17.84    | 17.82 | 20.84 | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Right | 20.39                | 20.55 | 23.48 | 17.74    | 17.90 | 20.83 | <=34.77 | Pass    |
|                                    | 680.5           | Outer_Full      | 19.75                | 19.87 | 22.82 | 17.10    | 17.22 | 20.17 | <=34.77 | Pass    |
|                                    |                 | Inner_Full      | 20.27                | 20.40 | 23.35 | 17.62    | 17.75 | 20.70 | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Left  | 20.17                | 20.31 | 23.25 | 17.52    | 17.66 | 20.60 | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Right | 20.35                | 20.41 | 23.39 | 17.70    | 17.76 | 20.74 | <=34.77 | Pass    |
|                                    | 693             | Outer_Full      | 20.05                | 19.98 | 23.02 | 17.40    | 17.33 | 20.38 | <=34.77 | Pass    |
|                                    |                 | Inner_Full      | 20.56                | 20.48 | 23.53 | 17.91    | 17.83 | 20.88 | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Left  | 20.49                | 20.45 | 23.48 | 17.84    | 17.80 | 20.83 | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Right | 20.55                | 20.50 | 23.54 | 17.90    | 17.85 | 20.89 | <=34.77 | Pass    |
| DFT-s-OFDM QPSK                    | 668             | Outer_Full      | 19.28                | 19.35 | 22.32 | 16.63    | 16.70 | 19.68 | <=34.77 | Pass    |
|                                    |                 | Inner_Full      | 20.57                | 20.64 | 23.61 | 17.92    | 17.99 | 20.97 | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Left  | 20.34                | 20.32 | 23.34 | 17.69    | 17.67 | 20.69 | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Right | 20.30                | 20.47 | 23.40 | 17.65    | 17.82 | 20.75 | <=34.77 | Pass    |
|                                    | 680.5           | Outer_Full      | 19.24                | 19.37 | 22.32 | 16.59    | 16.72 | 19.67 | <=34.77 | Pass    |
|                                    |                 | Inner_Full      | 20.33                | 20.47 | 23.41 | 17.68    | 17.82 | 20.76 | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Left  | 20.21                | 20.35 | 23.29 | 17.56    | 17.70 | 20.64 | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Right | 20.28                | 20.34 | 23.32 | 17.63    | 17.69 | 20.67 | <=34.77 | Pass    |
|                                    | 693             | Outer_Full      | 19.64                | 19.57 | 22.61 | 16.99    | 16.92 | 19.97 | <=34.77 | Pass    |
|                                    |                 | Inner_Full      | 20.48                | 20.40 | 23.45 | 17.83    | 17.75 | 20.80 | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Left  | 20.42                | 20.38 | 23.41 | 17.77    | 17.73 | 20.76 | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Right | 20.46                | 20.42 | 23.45 | 17.81    | 17.77 | 20.80 | <=34.77 | Pass    |
| DFT-s-OFDM 16 QAM                  | 668             | Outer_Full      | 18.40                | 18.47 | 21.44 | 15.75    | 15.82 | 18.80 | <=34.77 | Pass    |
|                                    |                 | Inner_Full      | 19.50                | 19.56 | 22.54 | 16.85    | 16.91 | 19.89 | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Left  | 19.49                | 19.47 | 22.49 | 16.84    | 16.82 | 19.84 | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Right | 19.46                | 19.62 | 22.55 | 16.81    | 16.97 | 19.90 | <=34.77 | Pass    |
|                                    | 680.5           | Outer_Full      | 18.36                | 18.48 | 21.43 | 15.71    | 15.83 | 18.78 | <=34.77 | Pass    |
|                                    |                 | Inner_Full      | 19.24                | 19.37 | 22.31 | 16.59    | 16.72 | 19.67 | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Left  | 19.32                | 19.46 | 22.40 | 16.67    | 16.81 | 19.75 | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Right | 19.02                | 19.08 | 22.06 | 16.37    | 16.43 | 19.41 | <=34.77 | Pass    |
|                                    | 693             | Outer_Full      | 18.62                | 18.56 | 21.60 | 15.97    | 15.91 | 18.95 | <=34.77 | Pass    |
|                                    |                 | Inner_Full      | 19.61                | 19.53 | 22.58 | 16.96    | 16.88 | 19.93 | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Left  | 19.42                | 19.38 | 22.41 | 16.77    | 16.73 | 19.76 | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Right | 19.67                | 19.63 | 22.66 | 17.02    | 16.98 | 20.01 | <=34.77 | Pass    |
| DFT-s-OFDM 64 QAM                  | 668             | Outer_Full      | 17.94                | 18.01 | 20.98 | 15.29    | 15.36 | 18.34 | <=34.77 | Pass    |
|                                    |                 | Inner_Full      | 18.05                | 18.12 | 21.09 | 15.40    | 15.47 | 18.45 | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Left  | 18.09                | 18.07 | 21.09 | 15.44    | 15.42 | 18.44 | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Right | 18.38                | 18.55 | 21.48 | 15.73    | 15.90 | 18.83 | <=34.77 | Pass    |
|                                    | 680.5           | Outer_Full      | 17.85                | 17.97 | 20.92 | 15.20    | 15.32 | 18.27 | <=34.77 | Pass    |
|                                    |                 | Inner_Full      | 17.83                | 17.96 | 20.91 | 15.18    | 15.31 | 18.26 | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Left  | 17.83                | 17.96 | 20.91 | 15.18    | 15.31 | 18.26 | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Right | 17.86                | 17.92 | 20.90 | 15.21    | 15.27 | 18.25 | <=34.77 | Pass    |
|                                    | 693             | Outer_Full      | 18.27                | 18.21 | 21.25 | 15.62    | 15.56 | 18.60 | <=34.77 | Pass    |
|                                    |                 | Inner_Full      | 18.06                | 17.98 | 21.03 | 15.41    | 15.33 | 18.38 | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Left  | 18.06                | 18.02 | 21.05 | 15.41    | 15.37 | 18.40 | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Right | 18.13                | 18.09 | 21.12 | 15.48    | 15.44 | 18.47 | <=34.77 | Pass    |
| DFT-s-OFDM 256 QAM                 | 668             | Outer_Full      | 15.92                | 16.00 | 18.97 | 13.27    | 13.35 | 16.32 | <=34.77 | Pass    |
|                                    |                 | Inner_Full      | 16.00                | 16.07 | 19.04 | 13.35    | 13.42 | 16.40 | <=34.77 | Pass    |

|                 |       |                 |       |       |       |       |       |       |         |      |
|-----------------|-------|-----------------|-------|-------|-------|-------|-------|-------|---------|------|
|                 |       | Inner 1RB Left  | 16.29 | 16.27 | 19.29 | 13.64 | 13.62 | 16.64 | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 16.19 | 16.36 | 19.29 | 13.54 | 13.71 | 16.64 | <=34.77 | Pass |
|                 | 680.5 | Outer Full      | 15.83 | 15.96 | 18.90 | 13.18 | 13.31 | 16.26 | <=34.77 | Pass |
|                 |       | Inner Full      | 15.93 | 16.07 | 19.01 | 13.28 | 13.42 | 16.36 | <=34.77 | Pass |
|                 |       | Inner 1RB Left  | 16.07 | 16.21 | 19.15 | 13.42 | 13.56 | 16.50 | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 16.15 | 16.22 | 19.19 | 13.50 | 13.57 | 16.55 | <=34.77 | Pass |
|                 | 693   | Outer Full      | 16.23 | 16.17 | 19.21 | 13.58 | 13.52 | 16.56 | <=34.77 | Pass |
|                 |       | Inner Full      | 16.14 | 16.07 | 19.11 | 13.49 | 13.42 | 16.47 | <=34.77 | Pass |
|                 |       | Inner 1RB Left  | 16.25 | 16.22 | 19.24 | 13.60 | 13.57 | 16.60 | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 16.36 | 16.32 | 19.35 | 13.71 | 13.67 | 16.70 | <=34.77 | Pass |
| CP-OFDM QPSK    | 668   | Outer Full      | 17.30 | 17.37 | 20.35 | 14.65 | 14.72 | 17.70 | <=34.77 | Pass |
|                 |       | Inner Full      | 18.99 | 19.07 | 22.04 | 16.34 | 16.42 | 19.39 | <=34.77 | Pass |
|                 |       | Inner 1RB Left  | 18.96 | 18.94 | 21.96 | 16.31 | 16.29 | 19.31 | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 18.85 | 19.02 | 21.95 | 16.20 | 16.37 | 19.30 | <=34.77 | Pass |
|                 | 680.5 | Outer Full      | 17.31 | 17.44 | 20.39 | 14.66 | 14.79 | 17.74 | <=34.77 | Pass |
|                 |       | Inner Full      | 18.81 | 18.94 | 21.89 | 16.16 | 16.29 | 19.24 | <=34.77 | Pass |
|                 |       | Inner 1RB Left  | 18.78 | 18.92 | 21.86 | 16.13 | 16.27 | 19.21 | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 18.85 | 18.91 | 21.89 | 16.20 | 16.26 | 19.24 | <=34.77 | Pass |
|                 | 693   | Outer Full      | 17.72 | 17.66 | 20.70 | 15.07 | 15.01 | 18.05 | <=34.77 | Pass |
|                 |       | Inner Full      | 19.03 | 18.95 | 22.00 | 16.38 | 16.30 | 19.35 | <=34.77 | Pass |
|                 |       | Inner 1RB Left  | 18.98 | 18.95 | 21.98 | 16.33 | 16.30 | 19.33 | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 19.07 | 19.03 | 22.06 | 16.42 | 16.38 | 19.41 | <=34.77 | Pass |
| CP-OFDM 16 QAM  | 668   | Outer Full      | 17.32 | 17.39 | 20.37 | 14.67 | 14.74 | 17.72 | <=34.77 | Pass |
|                 |       | Inner Full      | 18.53 | 18.60 | 21.58 | 15.88 | 15.95 | 18.93 | <=34.77 | Pass |
|                 |       | Inner 1RB Left  | 18.56 | 18.54 | 21.56 | 15.91 | 15.89 | 18.91 | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 18.47 | 18.64 | 21.57 | 15.82 | 15.99 | 18.92 | <=34.77 | Pass |
|                 | 680.5 | Outer Full      | 17.33 | 17.45 | 20.40 | 14.68 | 14.80 | 17.75 | <=34.77 | Pass |
|                 |       | Inner Full      | 18.32 | 18.45 | 21.39 | 15.67 | 15.80 | 18.75 | <=34.77 | Pass |
|                 |       | Inner 1RB Left  | 18.40 | 18.55 | 21.49 | 15.75 | 15.90 | 18.84 | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 18.57 | 18.63 | 21.61 | 15.92 | 15.98 | 18.96 | <=34.77 | Pass |
|                 | 693   | Outer Full      | 17.70 | 17.64 | 20.68 | 15.05 | 14.99 | 18.03 | <=34.77 | Pass |
|                 |       | Inner Full      | 18.40 | 18.33 | 21.38 | 15.75 | 15.68 | 18.73 | <=34.77 | Pass |
|                 |       | Inner 1RB Left  | 18.52 | 18.49 | 21.51 | 15.87 | 15.84 | 18.87 | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 18.72 | 18.68 | 21.71 | 16.07 | 16.03 | 19.06 | <=34.77 | Pass |
| CP-OFDM 64 QAM  | 668   | Outer Full      | 16.83 | 16.90 | 19.88 | 14.18 | 14.25 | 17.23 | <=34.77 | Pass |
|                 |       | Inner Full      | 17.02 | 17.10 | 20.07 | 14.37 | 14.45 | 17.42 | <=34.77 | Pass |
|                 |       | Inner 1RB Left  | 16.87 | 16.85 | 19.87 | 14.22 | 14.20 | 17.22 | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 16.80 | 16.97 | 19.89 | 14.15 | 14.32 | 17.25 | <=34.77 | Pass |
|                 | 680.5 | Outer Full      | 16.82 | 16.94 | 19.89 | 14.17 | 14.29 | 17.24 | <=34.77 | Pass |
|                 |       | Inner Full      | 16.81 | 16.94 | 19.89 | 14.16 | 14.29 | 17.24 | <=34.77 | Pass |
|                 |       | Inner 1RB Left  | 17.01 | 17.15 | 20.09 | 14.36 | 14.50 | 17.44 | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 17.12 | 17.19 | 20.16 | 14.47 | 14.54 | 17.52 | <=34.77 | Pass |
|                 | 693   | Outer Full      | 17.16 | 17.10 | 20.14 | 14.51 | 14.45 | 17.49 | <=34.77 | Pass |
|                 |       | Inner Full      | 17.06 | 16.99 | 20.04 | 14.41 | 14.34 | 17.39 | <=34.77 | Pass |
|                 |       | Inner 1RB Left  | 17.15 | 17.11 | 20.14 | 14.50 | 14.46 | 17.49 | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 17.27 | 17.23 | 20.26 | 14.62 | 14.58 | 17.61 | <=34.77 | Pass |
| CP-OFDM 256 QAM | 668   | Outer Full      | 13.73 | 13.81 | 16.78 | 11.08 | 11.16 | 14.13 | <=34.77 | Pass |
|                 |       | Inner Full      | 13.89 | 13.97 | 16.94 | 11.24 | 11.32 | 14.29 | <=34.77 | Pass |
|                 |       | Inner 1RB Left  | 14.07 | 14.06 | 17.08 | 11.42 | 11.41 | 14.43 | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 14.02 | 14.18 | 17.11 | 11.37 | 11.53 | 14.46 | <=34.77 | Pass |
|                 | 680.5 | Outer Full      | 13.78 | 13.91 | 16.86 | 11.13 | 11.26 | 14.21 | <=34.77 | Pass |
|                 |       | Inner Full      | 13.75 | 13.89 | 16.83 | 11.10 | 11.24 | 14.18 | <=34.77 | Pass |
|                 |       | Inner 1RB Left  | 13.92 | 14.07 | 17.01 | 11.27 | 11.42 | 14.36 | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 13.98 | 14.05 | 17.03 | 11.33 | 11.40 | 14.38 | <=34.77 | Pass |
|                 | 693   | Outer Full      | 14.10 | 14.04 | 17.08 | 11.45 | 11.39 | 14.43 | <=34.77 | Pass |
|                 |       | Inner Full      | 14.01 | 13.93 | 16.98 | 11.36 | 11.28 | 14.33 | <=34.77 | Pass |
|                 |       | Inner 1RB Left  | 14.10 | 14.06 | 17.09 | 11.45 | 11.41 | 14.44 | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 14.17 | 14.14 | 17.16 | 11.52 | 11.49 | 14.52 | <=34.77 | Pass |

Note1: Antenna Gain: Ant1: -0.50dBi; Ant2: -0.50dBi;

Note2: ERP Ant\_1=Conducted Power\_1+Ant Gain\_1-2.15 / ERP Ant\_2=Conducted Power\_2+Ant Gain\_2-2.15 / Sum=ERP Ant\_1+ERP Ant\_2

### 1.1.7 15k\_MIMO\_15MHz\_NTNV\_ERP

| 5G NR n71 SCS=15kHz MIMO 15MHz NTN |                 |                 |                      |       |       |          |       |       |         |         |
|------------------------------------|-----------------|-----------------|----------------------|-------|-------|----------|-------|-------|---------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation   | Conducted Power(dBm) |       |       | ERP(dBm) |       |       |         | Verdict |
|                                    |                 |                 | Ant1                 | Ant2  | Sum   | Ant1     | Ant2  | Sum   | Limit   |         |
| DFT-s-OFDM PI/2 BPSK               | 670.5           | Outer_Full      | 19.81                | 19.93 | 22.88 | 17.16    | 17.28 | 20.23 | <=34.77 | Pass    |
|                                    |                 | Inner_Full      | 20.46                | 20.57 | 23.53 | 17.81    | 17.92 | 20.88 | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Left  | 20.45                | 20.45 | 23.46 | 17.80    | 17.80 | 20.81 | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Right | 20.26                | 20.51 | 23.40 | 17.61    | 17.86 | 20.75 | <=34.77 | Pass    |
|                                    | 680.5           | Outer_Full      | 19.75                | 19.86 | 22.82 | 17.10    | 17.21 | 20.17 | <=34.77 | Pass    |
|                                    |                 | Inner_Full      | 20.31                | 20.44 | 23.39 | 17.66    | 17.79 | 20.74 | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Left  | 20.36                | 20.47 | 23.43 | 17.71    | 17.82 | 20.78 | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Right | 20.43                | 20.45 | 23.45 | 17.78    | 17.80 | 20.80 | <=34.77 | Pass    |
|                                    | 690.5           | Outer_Full      | 19.94                | 19.91 | 22.94 | 17.29    | 17.26 | 20.29 | <=34.77 | Pass    |
|                                    |                 | Inner_Full      | 20.55                | 20.50 | 23.54 | 17.90    | 17.85 | 20.89 | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Left  | 20.27                | 20.34 | 23.32 | 17.62    | 17.69 | 20.67 | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Right | 20.54                | 20.51 | 23.54 | 17.89    | 17.86 | 20.89 | <=34.77 | Pass    |
| DFT-s-OFDM QPSK                    | 670.5           | Outer_Full      | 19.36                | 19.48 | 22.43 | 16.71    | 16.83 | 19.78 | <=34.77 | Pass    |
|                                    |                 | Inner_Full      | 20.44                | 20.55 | 23.51 | 17.79    | 17.90 | 20.86 | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Left  | 20.38                | 20.38 | 23.39 | 17.73    | 17.73 | 20.74 | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Right | 20.20                | 20.45 | 23.34 | 17.55    | 17.80 | 20.69 | <=34.77 | Pass    |
|                                    | 680.5           | Outer_Full      | 19.29                | 19.40 | 22.35 | 16.64    | 16.75 | 19.71 | <=34.77 | Pass    |
|                                    |                 | Inner_Full      | 20.32                | 20.46 | 23.40 | 17.67    | 17.81 | 20.75 | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Left  | 20.29                | 20.40 | 23.35 | 17.64    | 17.75 | 20.71 | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Right | 20.38                | 20.40 | 23.40 | 17.73    | 17.75 | 20.75 | <=34.77 | Pass    |
|                                    | 690.5           | Outer_Full      | 19.55                | 19.52 | 22.55 | 16.90    | 16.87 | 19.90 | <=34.77 | Pass    |
|                                    |                 | Inner_Full      | 20.56                | 20.52 | 23.55 | 17.91    | 17.87 | 20.90 | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Left  | 20.23                | 20.30 | 23.28 | 17.58    | 17.65 | 20.63 | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Right | 20.43                | 20.40 | 23.42 | 17.78    | 17.75 | 20.78 | <=34.77 | Pass    |
| DFT-s-OFDM 16 QAM                  | 670.5           | Outer_Full      | 18.47                | 18.59 | 21.54 | 15.82    | 15.94 | 18.89 | <=34.77 | Pass    |
|                                    |                 | Inner_Full      | 19.49                | 19.60 | 22.55 | 16.84    | 16.95 | 19.91 | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Left  | 19.44                | 19.44 | 22.45 | 16.79    | 16.79 | 19.80 | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Right | 19.35                | 19.60 | 22.49 | 16.70    | 16.95 | 19.84 | <=34.77 | Pass    |
|                                    | 680.5           | Outer_Full      | 18.44                | 18.56 | 21.51 | 15.79    | 15.91 | 18.86 | <=34.77 | Pass    |
|                                    |                 | Inner_Full      | 19.32                | 19.46 | 22.40 | 16.67    | 16.81 | 19.75 | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Left  | 19.27                | 19.38 | 22.34 | 16.62    | 16.73 | 19.69 | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Right | 19.41                | 19.43 | 22.43 | 16.76    | 16.78 | 19.78 | <=34.77 | Pass    |
|                                    | 690.5           | Outer_Full      | 18.58                | 18.56 | 21.58 | 15.93    | 15.91 | 18.93 | <=34.77 | Pass    |
|                                    |                 | Inner_Full      | 19.59                | 19.54 | 22.57 | 16.94    | 16.89 | 19.93 | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Left  | 19.30                | 19.38 | 22.35 | 16.65    | 16.73 | 19.70 | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Right | 19.62                | 19.59 | 22.62 | 16.97    | 16.94 | 19.97 | <=34.77 | Pass    |
| DFT-s-OFDM 64 QAM                  | 670.5           | Outer_Full      | 18.02                | 18.14 | 21.09 | 15.37    | 15.49 | 18.44 | <=34.77 | Pass    |
|                                    |                 | Inner_Full      | 18.11                | 18.22 | 21.18 | 15.46    | 15.57 | 18.53 | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Left  | 17.98                | 17.99 | 21.00 | 15.33    | 15.34 | 18.35 | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Right | 17.91                | 18.16 | 21.05 | 15.26    | 15.51 | 18.40 | <=34.77 | Pass    |
|                                    | 680.5           | Outer_Full      | 17.90                | 18.01 | 20.96 | 15.25    | 15.36 | 18.32 | <=34.77 | Pass    |
|                                    |                 | Inner_Full      | 17.83                | 17.97 | 20.91 | 15.18    | 15.32 | 18.26 | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Left  | 17.85                | 17.96 | 20.91 | 15.20    | 15.31 | 18.27 | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Right | 17.99                | 18.01 | 21.01 | 15.34    | 15.36 | 18.36 | <=34.77 | Pass    |
|                                    | 690.5           | Outer_Full      | 18.13                | 18.11 | 21.13 | 15.48    | 15.46 | 18.48 | <=34.77 | Pass    |
|                                    |                 | Inner_Full      | 18.15                | 18.11 | 21.14 | 15.50    | 15.46 | 18.49 | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Left  | 17.86                | 17.94 | 20.91 | 15.21    | 15.29 | 18.26 | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Right | 18.14                | 18.12 | 21.14 | 15.49    | 15.47 | 18.49 | <=34.77 | Pass    |
| DFT-s-OFDM 256 QAM                 | 670.5           | Outer_Full      | 15.98                | 16.11 | 19.06 | 13.33    | 13.46 | 16.41 | <=34.77 | Pass    |
|                                    |                 | Inner_Full      | 16.04                | 16.16 | 19.11 | 13.39    | 13.51 | 16.46 | <=34.77 | Pass    |

|                 |       |                 |       |       |       |       |       |       |         |      |
|-----------------|-------|-----------------|-------|-------|-------|-------|-------|-------|---------|------|
|                 |       | Inner 1RB Left  | 16.27 | 16.27 | 19.28 | 13.62 | 13.62 | 16.63 | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 16.17 | 16.41 | 19.30 | 13.52 | 13.76 | 16.65 | <=34.77 | Pass |
|                 | 680.5 | Outer Full      | 15.87 | 15.98 | 18.94 | 13.22 | 13.33 | 16.29 | <=34.77 | Pass |
|                 |       | Inner Full      | 15.80 | 15.95 | 18.89 | 13.15 | 13.30 | 16.24 | <=34.77 | Pass |
|                 |       | Inner 1RB Left  | 15.95 | 16.06 | 19.02 | 13.30 | 13.41 | 16.37 | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 16.11 | 16.13 | 19.13 | 13.46 | 13.48 | 16.48 | <=34.77 | Pass |
|                 | 690.5 | Outer Full      | 16.19 | 16.17 | 19.19 | 13.54 | 13.52 | 16.54 | <=34.77 | Pass |
|                 |       | Inner Full      | 16.16 | 16.12 | 19.15 | 13.51 | 13.47 | 16.50 | <=34.77 | Pass |
|                 |       | Inner 1RB Left  | 16.09 | 16.17 | 19.14 | 13.44 | 13.52 | 16.49 | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 16.42 | 16.40 | 19.42 | 13.77 | 13.75 | 16.77 | <=34.77 | Pass |
| CP-OFDM QPSK    | 670.5 | Outer Full      | 17.51 | 17.64 | 20.58 | 14.86 | 14.99 | 17.94 | <=34.77 | Pass |
|                 |       | Inner Full      | 18.98 | 19.10 | 22.05 | 16.33 | 16.45 | 19.40 | <=34.77 | Pass |
|                 |       | Inner 1RB Left  | 18.91 | 18.91 | 21.92 | 16.26 | 16.26 | 19.27 | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 18.78 | 19.03 | 21.92 | 16.13 | 16.38 | 19.27 | <=34.77 | Pass |
|                 | 680.5 | Outer Full      | 17.32 | 17.43 | 20.39 | 14.67 | 14.78 | 17.74 | <=34.77 | Pass |
|                 |       | Inner Full      | 18.79 | 18.92 | 21.86 | 16.14 | 16.27 | 19.22 | <=34.77 | Pass |
|                 |       | Inner 1RB Left  | 18.79 | 18.90 | 21.85 | 16.14 | 16.25 | 19.21 | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 18.81 | 18.83 | 21.83 | 16.16 | 16.18 | 19.18 | <=34.77 | Pass |
|                 | 690.5 | Outer Full      | 17.55 | 17.53 | 20.55 | 14.90 | 14.88 | 17.90 | <=34.77 | Pass |
|                 |       | Inner Full      | 19.06 | 19.01 | 22.04 | 16.41 | 16.36 | 19.40 | <=34.77 | Pass |
|                 |       | Inner 1RB Left  | 18.79 | 18.86 | 21.83 | 16.14 | 16.21 | 19.19 | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 18.97 | 18.94 | 21.96 | 16.32 | 16.29 | 19.32 | <=34.77 | Pass |
| CP-OFDM 16 QAM  | 670.5 | Outer Full      | 17.52 | 17.65 | 20.60 | 14.87 | 15.00 | 17.95 | <=34.77 | Pass |
|                 |       | Inner Full      | 18.49 | 18.61 | 21.56 | 15.84 | 15.96 | 18.91 | <=34.77 | Pass |
|                 |       | Inner 1RB Left  | 18.57 | 18.57 | 21.58 | 15.92 | 15.92 | 18.93 | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 18.43 | 18.67 | 21.56 | 15.78 | 16.02 | 18.91 | <=34.77 | Pass |
|                 | 680.5 | Outer Full      | 17.29 | 17.40 | 20.35 | 14.64 | 14.75 | 17.71 | <=34.77 | Pass |
|                 |       | Inner Full      | 18.39 | 18.53 | 21.47 | 15.74 | 15.88 | 18.82 | <=34.77 | Pass |
|                 |       | Inner 1RB Left  | 18.39 | 18.51 | 21.46 | 15.74 | 15.86 | 18.81 | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 18.39 | 18.40 | 21.41 | 15.74 | 15.75 | 18.76 | <=34.77 | Pass |
|                 | 690.5 | Outer Full      | 17.58 | 17.55 | 20.57 | 14.93 | 14.90 | 17.93 | <=34.77 | Pass |
|                 |       | Inner Full      | 18.54 | 18.49 | 21.52 | 15.89 | 15.84 | 18.88 | <=34.77 | Pass |
|                 |       | Inner 1RB Left  | 18.46 | 18.54 | 21.51 | 15.81 | 15.89 | 18.86 | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 18.56 | 18.53 | 21.55 | 15.91 | 15.88 | 18.91 | <=34.77 | Pass |
| CP-OFDM 64 QAM  | 670.5 | Outer Full      | 16.98 | 17.11 | 20.06 | 14.33 | 14.46 | 17.41 | <=34.77 | Pass |
|                 |       | Inner Full      | 17.10 | 17.22 | 20.17 | 14.45 | 14.57 | 17.52 | <=34.77 | Pass |
|                 |       | Inner 1RB Left  | 17.10 | 17.10 | 20.11 | 14.45 | 14.45 | 17.46 | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 16.96 | 17.21 | 20.10 | 14.31 | 14.56 | 17.45 | <=34.77 | Pass |
|                 | 680.5 | Outer Full      | 16.85 | 16.96 | 19.91 | 14.20 | 14.31 | 17.27 | <=34.77 | Pass |
|                 |       | Inner Full      | 16.84 | 16.97 | 19.92 | 14.19 | 14.32 | 17.27 | <=34.77 | Pass |
|                 |       | Inner 1RB Left  | 16.75 | 16.86 | 19.81 | 14.10 | 14.21 | 17.17 | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 16.73 | 16.75 | 19.75 | 14.08 | 14.10 | 17.10 | <=34.77 | Pass |
|                 | 690.5 | Outer Full      | 17.04 | 17.02 | 20.04 | 14.39 | 14.37 | 17.39 | <=34.77 | Pass |
|                 |       | Inner Full      | 17.13 | 17.08 | 20.12 | 14.48 | 14.43 | 17.47 | <=34.77 | Pass |
|                 |       | Inner 1RB Left  | 16.98 | 17.05 | 20.02 | 14.33 | 14.40 | 17.38 | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 17.18 | 17.15 | 20.17 | 14.53 | 14.50 | 17.53 | <=34.77 | Pass |
| CP-OFDM 256 QAM | 670.5 | Outer Full      | 13.88 | 14.02 | 16.96 | 11.23 | 11.37 | 14.31 | <=34.77 | Pass |
|                 |       | Inner Full      | 13.96 | 14.09 | 17.04 | 11.31 | 11.44 | 14.39 | <=34.77 | Pass |
|                 |       | Inner 1RB Left  | 14.02 | 14.02 | 17.03 | 11.37 | 11.37 | 14.38 | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 13.89 | 14.14 | 17.03 | 11.24 | 11.49 | 14.38 | <=34.77 | Pass |
|                 | 680.5 | Outer Full      | 13.79 | 13.90 | 16.85 | 11.14 | 11.25 | 14.21 | <=34.77 | Pass |
|                 |       | Inner Full      | 13.74 | 13.88 | 16.82 | 11.09 | 11.23 | 14.17 | <=34.77 | Pass |
|                 |       | Inner 1RB Left  | 13.83 | 13.95 | 16.90 | 11.18 | 11.30 | 14.25 | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 13.79 | 13.81 | 16.81 | 11.14 | 11.16 | 14.16 | <=34.77 | Pass |
|                 | 690.5 | Outer Full      | 14.00 | 13.98 | 17.00 | 11.35 | 11.33 | 14.35 | <=34.77 | Pass |
|                 |       | Inner Full      | 13.97 | 13.92 | 16.95 | 11.32 | 11.27 | 14.31 | <=34.77 | Pass |
|                 |       | Inner 1RB Left  | 13.88 | 13.96 | 16.93 | 11.23 | 11.31 | 14.28 | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 13.75 | 13.73 | 16.75 | 11.10 | 11.08 | 14.10 | <=34.77 | Pass |

Note1: Antenna Gain: Ant1: -0.50dBi; Ant2: -0.50dBi;

Note2: ERP Ant\_1=Conducted Power\_1+Ant Gain\_1-2.15 / ERP Ant\_2=Conducted Power\_2+Ant Gain\_2-2.15 / Sum=ERP Ant\_1+ERP Ant\_2

### 1.1.8 15k\_MIMO\_20MHz\_NTNV\_ERP

| 5G NR n71 SCS=15kHz MIMO 20MHz NTN |                 |                 |                      |       |       |          |       |       |         |         |
|------------------------------------|-----------------|-----------------|----------------------|-------|-------|----------|-------|-------|---------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation   | Conducted Power(dBm) |       |       | ERP(dBm) |       |       |         | Verdict |
|                                    |                 |                 | Ant1                 | Ant2  | Sum   | Ant1     | Ant2  | Sum   | Limit   |         |
| DFT-s-OFDM PI/2 BPSK               | 673             | Outer_Full      | 19.87                | 20.02 | 22.96 | 17.22    | 17.37 | 20.31 | <=34.77 | Pass    |
|                                    |                 | Inner_Full      | 20.41                | 20.56 | 23.49 | 17.76    | 17.91 | 20.85 | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Left  | 20.50                | 20.49 | 23.51 | 17.85    | 17.84 | 20.86 | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Right | 20.32                | 20.51 | 23.43 | 17.67    | 17.86 | 20.78 | <=34.77 | Pass    |
|                                    | 680.5           | Outer_Full      | 19.78                | 19.88 | 22.84 | 17.13    | 17.23 | 20.19 | <=34.77 | Pass    |
|                                    |                 | Inner_Full      | 20.29                | 20.42 | 23.37 | 17.64    | 17.77 | 20.72 | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Left  | 20.34                | 20.40 | 23.38 | 17.69    | 17.75 | 20.73 | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Right | 20.46                | 20.44 | 23.46 | 17.81    | 17.79 | 20.81 | <=34.77 | Pass    |
|                                    | 688             | Outer_Full      | 19.71                | 19.73 | 22.73 | 17.06    | 17.08 | 20.08 | <=34.77 | Pass    |
|                                    |                 | Inner_Full      | 20.50                | 20.50 | 23.51 | 17.85    | 17.85 | 20.86 | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Left  | 20.19                | 20.34 | 23.28 | 17.54    | 17.69 | 20.63 | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Right | 20.65                | 20.62 | 23.64 | 18.00    | 17.97 | 21.00 | <=34.77 | Pass    |
| DFT-s-OFDM QPSK                    | 673             | Outer_Full      | 19.45                | 19.59 | 22.53 | 16.80    | 16.94 | 19.88 | <=34.77 | Pass    |
|                                    |                 | Inner_Full      | 20.46                | 20.61 | 23.55 | 17.81    | 17.96 | 20.90 | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Left  | 20.32                | 20.31 | 23.33 | 17.67    | 17.66 | 20.68 | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Right | 20.26                | 20.45 | 23.36 | 17.61    | 17.80 | 20.72 | <=34.77 | Pass    |
|                                    | 680.5           | Outer_Full      | 19.25                | 19.35 | 22.31 | 16.60    | 16.70 | 19.66 | <=34.77 | Pass    |
|                                    |                 | Inner_Full      | 20.34                | 20.47 | 23.42 | 17.69    | 17.82 | 20.77 | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Left  | 20.23                | 20.29 | 23.27 | 17.58    | 17.64 | 20.62 | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Right | 20.35                | 20.32 | 23.35 | 17.70    | 17.67 | 20.70 | <=34.77 | Pass    |
|                                    | 688             | Outer_Full      | 19.34                | 19.36 | 22.36 | 16.69    | 16.71 | 19.71 | <=34.77 | Pass    |
|                                    |                 | Inner_Full      | 20.61                | 20.61 | 23.62 | 17.96    | 17.96 | 20.97 | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Left  | 20.24                | 20.39 | 23.32 | 17.59    | 17.74 | 20.68 | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Right | 20.56                | 20.53 | 23.56 | 17.91    | 17.88 | 20.91 | <=34.77 | Pass    |
| DFT-s-OFDM 16 QAM                  | 673             | Outer_Full      | 18.51                | 18.65 | 21.59 | 15.86    | 16.00 | 18.94 | <=34.77 | Pass    |
|                                    |                 | Inner_Full      | 19.39                | 19.54 | 22.47 | 16.74    | 16.89 | 19.83 | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Left  | 19.41                | 19.40 | 22.42 | 16.76    | 16.75 | 19.77 | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Right | 19.40                | 19.59 | 22.50 | 16.75    | 16.94 | 19.86 | <=34.77 | Pass    |
|                                    | 680.5           | Outer_Full      | 18.39                | 18.49 | 21.45 | 15.74    | 15.84 | 18.80 | <=34.77 | Pass    |
|                                    |                 | Inner_Full      | 19.27                | 19.40 | 22.34 | 16.62    | 16.75 | 19.70 | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Left  | 19.42                | 19.48 | 22.46 | 16.77    | 16.83 | 19.81 | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Right | 19.28                | 19.26 | 22.28 | 16.63    | 16.61 | 19.63 | <=34.77 | Pass    |
|                                    | 688             | Outer_Full      | 18.37                | 18.40 | 21.40 | 15.72    | 15.75 | 18.75 | <=34.77 | Pass    |
|                                    |                 | Inner_Full      | 19.45                | 19.46 | 22.47 | 16.80    | 16.81 | 19.82 | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Left  | 19.35                | 19.50 | 22.43 | 16.70    | 16.85 | 19.79 | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Right | 19.63                | 19.61 | 22.63 | 16.98    | 16.96 | 19.98 | <=34.77 | Pass    |
| DFT-s-OFDM 64 QAM                  | 673             | Outer_Full      | 17.95                | 18.09 | 21.03 | 15.30    | 15.44 | 18.38 | <=34.77 | Pass    |
|                                    |                 | Inner_Full      | 18.08                | 18.23 | 21.17 | 15.43    | 15.58 | 18.52 | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Left  | 18.02                | 18.01 | 21.03 | 15.37    | 15.36 | 18.38 | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Right | 17.89                | 18.08 | 21.00 | 15.24    | 15.43 | 18.35 | <=34.77 | Pass    |
|                                    | 680.5           | Outer_Full      | 17.93                | 18.02 | 20.99 | 15.28    | 15.37 | 18.34 | <=34.77 | Pass    |
|                                    |                 | Inner_Full      | 17.84                | 17.98 | 20.92 | 15.19    | 15.33 | 18.27 | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Left  | 17.88                | 17.95 | 20.92 | 15.23    | 15.30 | 18.28 | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Right | 18.05                | 18.03 | 21.05 | 15.40    | 15.38 | 18.40 | <=34.77 | Pass    |
|                                    | 688             | Outer_Full      | 18.04                | 18.06 | 21.06 | 15.39    | 15.41 | 18.41 | <=34.77 | Pass    |
|                                    |                 | Inner_Full      | 18.04                | 18.05 | 21.05 | 15.39    | 15.40 | 18.41 | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Left  | 17.77                | 17.92 | 20.85 | 15.12    | 15.27 | 18.21 | <=34.77 | Pass    |
|                                    |                 | Inner_1RB_Right | 18.18                | 18.15 | 21.17 | 15.53    | 15.50 | 18.53 | <=34.77 | Pass    |
| DFT-s-OFDM 256 QAM                 | 673             | Outer_Full      | 16.04                | 16.18 | 19.12 | 13.39    | 13.53 | 16.47 | <=34.77 | Pass    |
|                                    |                 | Inner_Full      | 16.05                | 16.21 | 19.14 | 13.40    | 13.56 | 16.49 | <=34.77 | Pass    |

|                 |       |                 |       |       |       |       |       |       |         |      |
|-----------------|-------|-----------------|-------|-------|-------|-------|-------|-------|---------|------|
|                 |       | Inner 1RB Left  | 16.22 | 16.21 | 19.23 | 13.57 | 13.56 | 16.58 | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 15.90 | 16.09 | 19.01 | 13.25 | 13.44 | 16.36 | <=34.77 | Pass |
|                 | 680.5 | Outer Full      | 15.82 | 15.92 | 18.88 | 13.17 | 13.27 | 16.23 | <=34.77 | Pass |
|                 |       | Inner Full      | 15.80 | 15.93 | 18.88 | 13.15 | 13.28 | 16.23 | <=34.77 | Pass |
|                 |       | Inner 1RB Left  | 16.01 | 16.07 | 19.05 | 13.36 | 13.42 | 16.40 | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 16.18 | 16.16 | 19.19 | 13.53 | 13.51 | 16.53 | <=34.77 | Pass |
|                 | 688   | Outer Full      | 15.97 | 16.00 | 19.00 | 13.32 | 13.35 | 16.35 | <=34.77 | Pass |
|                 |       | Inner Full      | 16.07 | 16.08 | 19.09 | 13.42 | 13.43 | 16.44 | <=34.77 | Pass |
|                 |       | Inner 1RB Left  | 15.97 | 16.12 | 19.06 | 13.32 | 13.47 | 16.41 | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 16.42 | 16.40 | 19.42 | 13.77 | 13.75 | 16.77 | <=34.77 | Pass |
| CP-OFDM QPSK    | 673   | Outer Full      | 17.48 | 17.63 | 20.57 | 14.83 | 14.98 | 17.92 | <=34.77 | Pass |
|                 |       | Inner Full      | 18.96 | 19.12 | 22.05 | 16.31 | 16.47 | 19.40 | <=34.77 | Pass |
|                 |       | Inner 1RB Left  | 18.95 | 18.94 | 21.96 | 16.30 | 16.29 | 19.31 | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 18.80 | 18.99 | 21.91 | 16.15 | 16.34 | 19.26 | <=34.77 | Pass |
|                 | 680.5 | Outer Full      | 17.36 | 17.45 | 20.41 | 14.71 | 14.80 | 17.77 | <=34.77 | Pass |
|                 |       | Inner Full      | 18.80 | 18.92 | 21.87 | 16.15 | 16.27 | 19.22 | <=34.77 | Pass |
|                 |       | Inner 1RB Left  | 18.86 | 18.92 | 21.90 | 16.21 | 16.27 | 19.25 | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 18.89 | 18.87 | 21.89 | 16.24 | 16.22 | 19.24 | <=34.77 | Pass |
|                 | 688   | Outer Full      | 17.41 | 17.43 | 20.43 | 14.76 | 14.78 | 17.78 | <=34.77 | Pass |
|                 |       | Inner Full      | 18.92 | 18.92 | 21.93 | 16.27 | 16.27 | 19.28 | <=34.77 | Pass |
|                 |       | Inner 1RB Left  | 18.72 | 18.86 | 21.80 | 16.07 | 16.21 | 19.15 | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 19.04 | 19.01 | 22.03 | 16.39 | 16.36 | 19.39 | <=34.77 | Pass |
| CP-OFDM 16 QAM  | 673   | Outer Full      | 17.49 | 17.64 | 20.58 | 14.84 | 14.99 | 17.93 | <=34.77 | Pass |
|                 |       | Inner Full      | 18.49 | 18.66 | 21.59 | 15.84 | 16.01 | 18.94 | <=34.77 | Pass |
|                 |       | Inner 1RB Left  | 18.56 | 18.55 | 21.57 | 15.91 | 15.90 | 18.92 | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 18.45 | 18.63 | 21.55 | 15.80 | 15.98 | 18.90 | <=34.77 | Pass |
|                 | 680.5 | Outer Full      | 17.30 | 17.39 | 20.36 | 14.65 | 14.74 | 17.71 | <=34.77 | Pass |
|                 |       | Inner Full      | 18.38 | 18.51 | 21.46 | 15.73 | 15.86 | 18.81 | <=34.77 | Pass |
|                 |       | Inner 1RB Left  | 18.41 | 18.48 | 21.46 | 15.76 | 15.83 | 18.81 | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 18.49 | 18.47 | 21.49 | 15.84 | 15.82 | 18.84 | <=34.77 | Pass |
|                 | 688   | Outer Full      | 17.46 | 17.49 | 20.48 | 14.81 | 14.84 | 17.84 | <=34.77 | Pass |
|                 |       | Inner Full      | 18.42 | 18.42 | 21.43 | 15.77 | 15.77 | 18.78 | <=34.77 | Pass |
|                 |       | Inner 1RB Left  | 18.39 | 18.54 | 21.47 | 15.74 | 15.89 | 18.83 | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 18.60 | 18.58 | 21.60 | 15.95 | 15.93 | 18.95 | <=34.77 | Pass |
| CP-OFDM 64 QAM  | 673   | Outer Full      | 17.06 | 17.21 | 20.14 | 14.41 | 14.56 | 17.50 | <=34.77 | Pass |
|                 |       | Inner Full      | 17.08 | 17.25 | 20.18 | 14.43 | 14.60 | 17.53 | <=34.77 | Pass |
|                 |       | Inner 1RB Left  | 17.16 | 17.15 | 20.16 | 14.51 | 14.50 | 17.52 | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 17.01 | 17.20 | 20.12 | 14.36 | 14.55 | 17.47 | <=34.77 | Pass |
|                 | 680.5 | Outer Full      | 16.89 | 16.98 | 19.95 | 14.24 | 14.33 | 17.30 | <=34.77 | Pass |
|                 |       | Inner Full      | 16.92 | 17.05 | 19.99 | 14.27 | 14.40 | 17.35 | <=34.77 | Pass |
|                 |       | Inner 1RB Left  | 16.75 | 16.82 | 19.80 | 14.10 | 14.17 | 17.15 | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 16.84 | 16.82 | 19.84 | 14.19 | 14.17 | 17.19 | <=34.77 | Pass |
|                 | 688   | Outer Full      | 16.94 | 16.96 | 19.96 | 14.29 | 14.31 | 17.31 | <=34.77 | Pass |
|                 |       | Inner Full      | 17.07 | 17.08 | 20.08 | 14.42 | 14.43 | 17.44 | <=34.77 | Pass |
|                 |       | Inner 1RB Left  | 16.95 | 17.10 | 20.04 | 14.30 | 14.45 | 17.39 | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 17.26 | 17.24 | 20.26 | 14.61 | 14.59 | 17.61 | <=34.77 | Pass |
| CP-OFDM 256 QAM | 673   | Outer Full      | 13.92 | 14.07 | 17.00 | 11.27 | 11.42 | 14.36 | <=34.77 | Pass |
|                 |       | Inner Full      | 13.92 | 14.09 | 17.02 | 11.27 | 11.44 | 14.37 | <=34.77 | Pass |
|                 |       | Inner 1RB Left  | 14.09 | 14.08 | 17.10 | 11.44 | 11.43 | 14.45 | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 13.95 | 14.14 | 17.05 | 11.30 | 11.49 | 14.41 | <=34.77 | Pass |
|                 | 680.5 | Outer Full      | 13.80 | 13.90 | 16.86 | 11.15 | 11.25 | 14.21 | <=34.77 | Pass |
|                 |       | Inner Full      | 13.78 | 13.91 | 16.86 | 11.13 | 11.26 | 14.21 | <=34.77 | Pass |
|                 |       | Inner 1RB Left  | 13.80 | 13.87 | 16.85 | 11.15 | 11.22 | 14.20 | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 14.06 | 14.04 | 17.06 | 11.41 | 11.39 | 14.41 | <=34.77 | Pass |
|                 | 688   | Outer Full      | 13.83 | 13.85 | 16.85 | 11.18 | 11.20 | 14.20 | <=34.77 | Pass |
|                 |       | Inner Full      | 13.94 | 13.94 | 16.95 | 11.29 | 11.29 | 14.30 | <=34.77 | Pass |
|                 |       | Inner 1RB Left  | 13.90 | 14.05 | 16.99 | 11.25 | 11.40 | 14.34 | <=34.77 | Pass |
|                 |       | Inner 1RB Right | 14.00 | 13.97 | 17.00 | 11.35 | 11.32 | 14.35 | <=34.77 | Pass |

Note1: Antenna Gain: Ant1: -0.50dBi; Ant2: -0.50dBi;

Note2: ERP Ant\_1=Conducted Power\_1+Ant Gain\_1-2.15 / ERP Ant\_2=Conducted Power\_2+Ant Gain\_2-2.15 / Sum=ERP Ant\_1+ERP Ant\_2

## 2. Frequency Stability

### 2.1 Test Result

#### 2.1.1 15k\_SISO\_10MHz

| 5G NR n71 SCS=15kHz SISO 10MHz |                 |               |            |       |                  |                       |                |         |
|--------------------------------|-----------------|---------------|------------|-------|------------------|-----------------------|----------------|---------|
| Modulation                     | Frequency (MHz) | RB Allocation | Temp. (°C) | Volt. | Freq. Error (Hz) | Freq. vs. rated (ppm) |                | Verdict |
|                                |                 |               |            |       |                  | Result                | Limit          |         |
| DFT-s-OFDM 256 QAM             | 680.5           | Outer_Full    | 10         | NV    | -3.90            | -0.0057               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 20         | NV    | -3.80            | -0.0056               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 30         | NV    | -4.40            | -0.0065               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 40         | NV    | -5.80            | -0.0085               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 50         | NV    | -5.10            | -0.0075               | >=-2.5 & <=2.5 | Pass    |
| CP-OFDM QPSK                   | 680.5           | Outer_Full    | 20         | LV    | -3.50            | -0.0051               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               |            | HV    | -3.40            | -0.0050               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | -30        | NV    | -5.10            | -0.0075               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | -20        | NV    | -3.10            | -0.0046               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | -10        | NV    | -3.00            | -0.0044               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 0          | NV    | -3.80            | -0.0056               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 10         | NV    | -2.40            | -0.0035               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 20         | NV    | -4.20            | -0.0062               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 30         | NV    | -6.70            | -0.0098               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 40         | NV    | -5.70            | -0.0084               | >=-2.5 & <=2.5 | Pass    |
| CP-OFDM 16 QAM                 | 680.5           | Outer_Full    | 20         | LV    | -5.40            | -0.0079               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               |            | HV    | -3.00            | -0.0044               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | -30        | NV    | -4.60            | -0.0068               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | -20        | NV    | -6.90            | -0.0101               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | -10        | NV    | -3.70            | -0.0054               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 0          | NV    | -6.40            | -0.0094               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 10         | NV    | -3.30            | -0.0048               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 20         | NV    | -4.40            | -0.0065               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 30         | NV    | -3.90            | -0.0057               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 40         | NV    | -6.90            | -0.0101               | >=-2.5 & <=2.5 | Pass    |
| CP-OFDM 64 QAM                 | 680.5           | Outer_Full    | 20         | LV    | -6.30            | -0.0093               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               |            | HV    | -6.50            | -0.0096               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | -30        | NV    | -6.20            | -0.0091               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | -20        | NV    | -3.90            | -0.0057               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | -10        | NV    | -6.20            | -0.0091               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 0          | NV    | -4.10            | -0.0060               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 10         | NV    | -4.20            | -0.0062               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 20         | NV    | -5.20            | -0.0076               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 30         | NV    | -4.90            | -0.0072               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 40         | NV    | -4.90            | -0.0072               | >=-2.5 & <=2.5 | Pass    |
| CP-OFDM 256 QAM                | 680.5           | Outer_Full    | 20         | LV    | -6.10            | -0.0090               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               |            | HV    | -6.30            | -0.0093               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | -30        | NV    | -5.80            | -0.0085               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | -20        | NV    | -4.00            | -0.0059               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | -10        | NV    | -4.50            | -0.0066               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 0          | NV    | -6.50            | -0.0096               | >=-2.5 & <=2.5 | Pass    |

|  |  |  |    |    |       |         |                          |      |
|--|--|--|----|----|-------|---------|--------------------------|------|
|  |  |  | 10 | NV | -4.60 | -0.0068 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|  |  |  | 20 | NV | -5.20 | -0.0076 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|  |  |  | 30 | NV | -4.40 | -0.0065 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|  |  |  | 40 | NV | -3.70 | -0.0054 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|  |  |  | 50 | NV | -1.50 | -0.0022 | $\geq -2.5$ & $\leq 2.5$ | Pass |

### 2.1.2 15k\_SISO\_20MHz

| 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 PI/2 BPSK           | 680.5           | Outer_Full    | 20         | LV    | -4.00            | -0.0059               | $\geq -2.5$ & $\leq 2.5$ | Pass    |
|                                |                 |               |            | HV    | -3.20            | -0.0047               | $\geq -2.5$ & $\leq 2.5$ | Pass    |
|                                |                 |               | -30        | NV    | -6.00            | -0.0088               | $\geq -2.5$ & $\leq 2.5$ | Pass    |
|                                |                 |               | -20        | NV    | -5.10            | -0.0075               | $\geq -2.5$ & $\leq 2.5$ | Pass    |
|                                |                 |               | -10        | NV    | -4.70            | -0.0069               | $\geq -2.5$ & $\leq 2.5$ | Pass    |
|                                |                 |               | 0          | NV    | -5.30            | -0.0078               | $\geq -2.5$ & $\leq 2.5$ | Pass    |
|                                |                 |               | 10         | NV    | -5.10            | -0.0075               | $\geq -2.5$ & $\leq 2.5$ | Pass    |
|                                |                 |               | 20         | NV    | -5.60            | -0.0082               | $\geq -2.5$ & $\leq 2.5$ | Pass    |
|                                |                 |               | 30         | NV    | -6.00            | -0.0088               | $\geq -2.5$ & $\leq 2.5$ | Pass    |
|                                |                 |               | 40         | NV    | -3.50            | -0.0051               | $\geq -2.5$ & $\leq 2.5$ | Pass    |
| CP-OFDM QPSK                   | 680.5           | Outer_Full    | 20         | LV    | -5.90            | -0.0087               | $\geq -2.5$ & $\leq 2.5$ | Pass    |
|                                |                 |               |            | HV    | -6.10            | -0.0090               | $\geq -2.5$ & $\leq 2.5$ | Pass    |
|                                |                 |               | -30        | NV    | -6.40            | -0.0094               | $\geq -2.5$ & $\leq 2.5$ | Pass    |
|                                |                 |               | -20        | NV    | -3.70            | -0.0054               | $\geq -2.5$ & $\leq 2.5$ | Pass    |
|                                |                 |               | -10        | NV    | -6.70            | -0.0098               | $\geq -2.5$ & $\leq 2.5$ | Pass    |
|                                |                 |               | 0          | NV    | -5.30            | -0.0078               | $\geq -2.5$ & $\leq 2.5$ | Pass    |
|                                |                 |               | 10         | NV    | -6.30            | -0.0093               | $\geq -2.5$ & $\leq 2.5$ | Pass    |
|                                |                 |               | 20         | NV    | -4.80            | -0.0071               | $\geq -2.5$ & $\leq 2.5$ | Pass    |
|                                |                 |               | 30         | NV    | -6.20            | -0.0091               | $\geq -2.5$ & $\leq 2.5$ | Pass    |
|                                |                 |               | 40         | NV    | -7.40            | -0.0109               | $\geq -2.5$ & $\leq 2.5$ | Pass    |
|                                |                 |               | 50         | NV    | -7.00            | -0.0103               | $\geq -2.5$ & $\leq 2.5$ | Pass    |

## 3. 99% & 26dB Bandwidth

### 3.1 Test Result

#### 3.1.1 15k\_SISO\_5MHz\_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              | 665.5           | Outer_Full    | 4.54                | 5.00                 | /           | Pass    |
|                                   | 680.5           | Outer_Full    | 4.54                | 4.97                 | /           | Pass    |
|                                   | 695.5           | Outer_Full    | 4.54                | 4.98                 | /           | Pass    |
| DFT-s-OFDM QPSK                   | 665.5           | Outer_Full    | 4.51                | 4.96                 | /           | Pass    |
|                                   | 680.5           | Outer_Full    | 4.51                | 4.96                 | /           | Pass    |
|                                   | 695.5           | Outer_Full    | 4.50                | 4.96                 | /           | Pass    |
| DFT-s-OFDM 16 QAM                 | 665.5           | Outer_Full    | 4.52                | 4.98                 | /           | Pass    |
|                                   | 680.5           | Outer_Full    | 4.52                | 4.98                 | /           | Pass    |
|                                   | 695.5           | Outer_Full    | 4.51                | 5.01                 | /           | Pass    |
| DFT-s-OFDM 64 QAM                 | 665.5           | Outer_Full    | 4.52                | 5.01                 | /           | Pass    |
|                                   | 680.5           | Outer_Full    | 4.53                | 5.02                 | /           | Pass    |
|                                   | 695.5           | Outer_Full    | 4.53                | 4.98                 | /           | Pass    |

|                    |       |            |      |      |   |      |
|--------------------|-------|------------|------|------|---|------|
| DFT-s-OFDM 256 QAM | 665.5 | Outer_Full | 4.56 | 4.97 | / | Pass |
|                    | 680.5 | Outer_Full | 4.53 | 4.99 | / | Pass |
|                    | 695.5 | Outer_Full | 4.54 | 5.01 | / | Pass |
| CP-OFDM QPSK       | 665.5 | Outer_Full | 4.53 | 5.00 | / | Pass |
|                    | 680.5 | Outer_Full | 4.52 | 5.00 | / | Pass |
|                    | 695.5 | Outer_Full | 4.52 | 4.99 | / | Pass |
| CP-OFDM 16 QAM     | 665.5 | Outer_Full | 4.51 | 4.96 | / | Pass |
|                    | 680.5 | Outer_Full | 4.51 | 5.01 | / | Pass |
|                    | 695.5 | Outer_Full | 4.51 | 5.02 | / | Pass |
| CP-OFDM 64 QAM     | 665.5 | Outer_Full | 4.55 | 5.01 | / | Pass |
|                    | 680.5 | Outer_Full | 4.54 | 5.00 | / | Pass |
|                    | 695.5 | Outer_Full | 4.54 | 4.98 | / | Pass |
| CP-OFDM 256 QAM    | 665.5 | Outer_Full | 4.53 | 4.98 | / | Pass |
|                    | 680.5 | Outer_Full | 4.51 | 5.00 | / | Pass |
|                    | 695.5 | Outer_Full | 4.52 | 4.98 | / | Pass |

### 3.1.2 15k\_SISO\_10MHz\_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               | 668             | Outer_Full    | 9.03                | 9.69                 | /           | Pass    |
|                                    | 680.5           | Outer_Full    | 9.07                | 9.72                 | /           | Pass    |
|                                    | 693             | Outer_Full    | 9.10                | 9.74                 | /           | Pass    |
| DFT-s-OFDM QPSK                    | 668             | Outer_Full    | 8.97                | 9.67                 | /           | Pass    |
|                                    | 680.5           | Outer_Full    | 9.02                | 9.71                 | /           | Pass    |
|                                    | 693             | Outer_Full    | 9.04                | 9.73                 | /           | Pass    |
| DFT-s-OFDM 16 QAM                  | 668             | Outer_Full    | 9.03                | 9.72                 | /           | Pass    |
|                                    | 680.5           | Outer_Full    | 9.07                | 9.74                 | /           | Pass    |
|                                    | 693             | Outer_Full    | 9.09                | 9.75                 | /           | Pass    |
| DFT-s-OFDM 64 QAM                  | 668             | Outer_Full    | 8.99                | 9.71                 | /           | Pass    |
|                                    | 680.5           | Outer_Full    | 9.03                | 9.70                 | /           | Pass    |
|                                    | 693             | Outer_Full    | 9.04                | 9.76                 | /           | Pass    |
| DFT-s-OFDM 256 QAM                 | 668             | Outer_Full    | 9.00                | 9.71                 | /           | Pass    |
|                                    | 680.5           | Outer_Full    | 9.04                | 9.72                 | /           | Pass    |
|                                    | 693             | Outer_Full    | 9.07                | 9.71                 | /           | Pass    |
| CP-OFDM QPSK                       | 668             | Outer_Full    | 9.33                | 10.05                | /           | Pass    |
|                                    | 680.5           | Outer_Full    | 9.37                | 10.09                | /           | Pass    |
|                                    | 693             | Outer_Full    | 9.39                | 10.07                | /           | Pass    |
| CP-OFDM 16 QAM                     | 668             | Outer_Full    | 9.34                | 10.06                | /           | Pass    |
|                                    | 680.5           | Outer_Full    | 9.36                | 10.10                | /           | Pass    |
|                                    | 693             | Outer_Full    | 9.40                | 10.09                | /           | Pass    |
| CP-OFDM 64 QAM                     | 668             | Outer_Full    | 9.32                | 10.08                | /           | Pass    |
|                                    | 680.5           | Outer_Full    | 9.36                | 10.09                | /           | Pass    |
|                                    | 693             | Outer_Full    | 9.38                | 10.08                | /           | Pass    |
| CP-OFDM 256 QAM                    | 668             | Outer_Full    | 9.35                | 10.06                | /           | Pass    |
|                                    | 680.5           | Outer_Full    | 9.37                | 10.08                | /           | Pass    |
|                                    | 693             | Outer_Full    | 9.41                | 10.15                | /           | Pass    |

### 3.1.3 15k\_SISO\_15MHz\_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               | 670.5           | Outer_Full    | 13.48               | 14.56                | /           | Pass    |
|                                    | 680.5           | Outer_Full    | 13.54               | 14.59                | /           | Pass    |

|                    |       |            |       |       |   |      |
|--------------------|-------|------------|-------|-------|---|------|
|                    | 690.5 | Outer_Full | 13.55 | 14.57 | / | Pass |
| DFT-s-OFDM QPSK    | 670.5 | Outer_Full | 13.47 | 14.51 | / | Pass |
|                    | 680.5 | Outer_Full | 13.53 | 14.57 | / | Pass |
|                    | 690.5 | Outer_Full | 13.56 | 14.58 | / | Pass |
|                    | 670.5 | Outer_Full | 13.53 | 14.55 | / | Pass |
| DFT-s-OFDM 16 QAM  | 680.5 | Outer_Full | 13.60 | 14.58 | / | Pass |
|                    | 690.5 | Outer_Full | 13.61 | 14.58 | / | Pass |
|                    | 670.5 | Outer_Full | 13.44 | 14.54 | / | Pass |
| DFT-s-OFDM 64 QAM  | 680.5 | Outer_Full | 13.49 | 14.54 | / | Pass |
|                    | 690.5 | Outer_Full | 13.54 | 14.59 | / | Pass |
|                    | 670.5 | Outer_Full | 13.48 | 14.51 | / | Pass |
| DFT-s-OFDM 256 QAM | 680.5 | Outer_Full | 13.55 | 14.56 | / | Pass |
|                    | 690.5 | Outer_Full | 13.58 | 14.57 | / | Pass |
|                    | 670.5 | Outer_Full | 14.18 | 15.23 | / | Pass |
| CP-OFDM QPSK       | 680.5 | Outer_Full | 14.25 | 15.27 | / | Pass |
|                    | 690.5 | Outer_Full | 14.29 | 15.26 | / | Pass |
|                    | 670.5 | Outer_Full | 14.22 | 15.24 | / | Pass |
| CP-OFDM 16 QAM     | 680.5 | Outer_Full | 14.29 | 15.28 | / | Pass |
|                    | 690.5 | Outer_Full | 14.30 | 15.29 | / | Pass |
|                    | 670.5 | Outer_Full | 14.16 | 15.26 | / | Pass |
| CP-OFDM 64 QAM     | 680.5 | Outer_Full | 14.22 | 15.25 | / | Pass |
|                    | 690.5 | Outer_Full | 14.27 | 15.30 | / | Pass |
|                    | 670.5 | Outer_Full | 14.20 | 15.27 | / | Pass |
| CP-OFDM 256 QAM    | 680.5 | Outer_Full | 14.27 | 15.25 | / | Pass |
|                    | 690.5 | Outer_Full | 14.28 | 15.33 | / | Pass |
|                    |       |            |       |       |   |      |

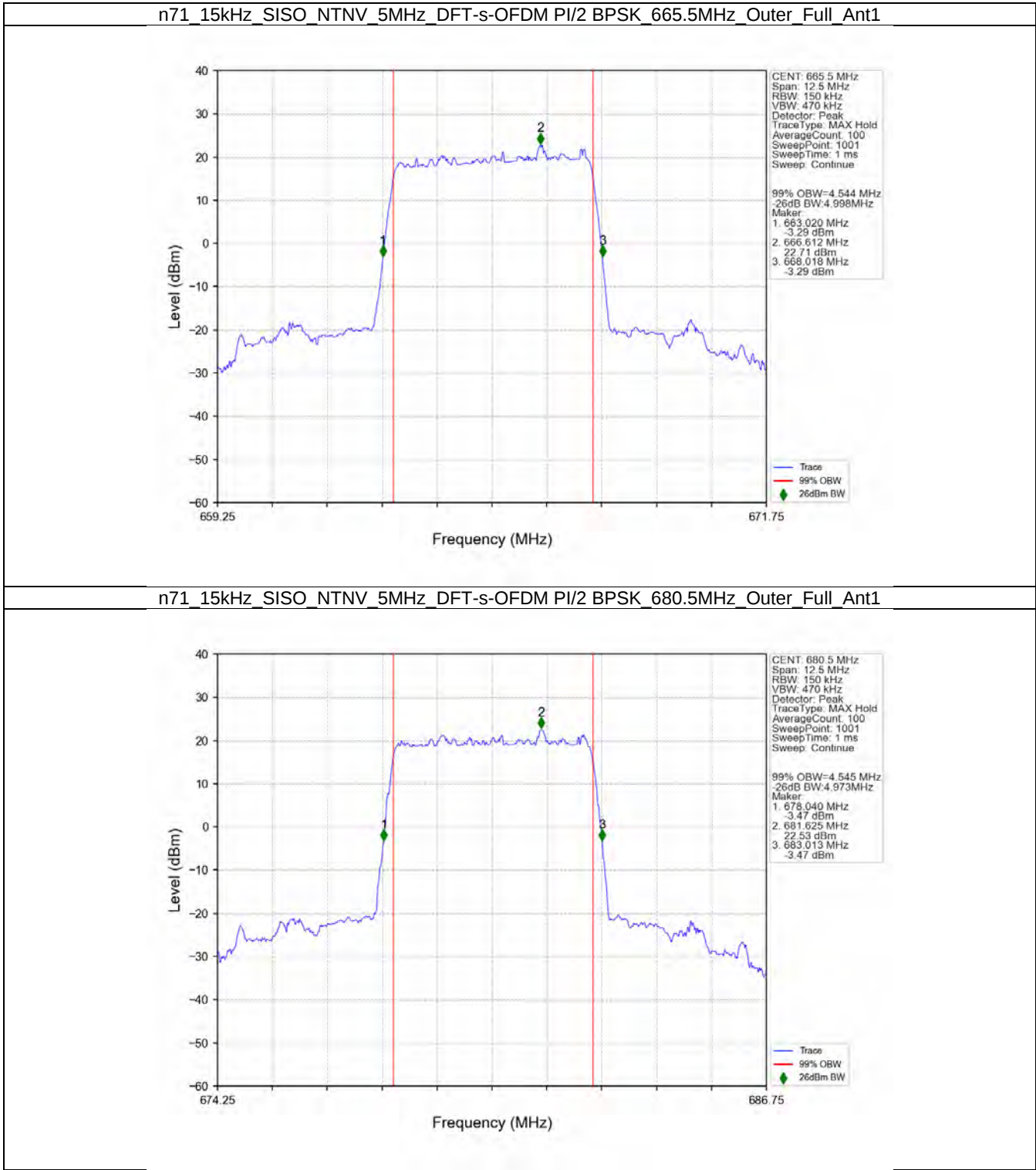
## 3.1.4 15k\_SISO\_20MHz\_NTNV

| 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               | 673             | Outer_Full    | 17.92               | 19.33                | /           | Pass    |
|                                    | 680.5           | Outer_Full    | 18.02               | 19.38                | /           | Pass    |
|                                    | 688             | Outer_Full    | 17.97               | 19.32                | /           | Pass    |
| DFT-s-OFDM QPSK                    | 673             | Outer_Full    | 18.06               | 19.39                | /           | Pass    |
|                                    | 680.5           | Outer_Full    | 18.10               | 19.39                | /           | Pass    |
|                                    | 688             | Outer_Full    | 18.10               | 19.39                | /           | Pass    |
| DFT-s-OFDM 16 QAM                  | 673             | Outer_Full    | 17.99               | 19.34                | /           | Pass    |
|                                    | 680.5           | Outer_Full    | 18.11               | 19.40                | /           | Pass    |
|                                    | 688             | Outer_Full    | 18.03               | 19.35                | /           | Pass    |
| DFT-s-OFDM 64 QAM                  | 673             | Outer_Full    | 18.01               | 19.41                | /           | Pass    |
|                                    | 680.5           | Outer_Full    | 18.09               | 19.44                | /           | Pass    |
|                                    | 688             | Outer_Full    | 18.07               | 19.39                | /           | Pass    |
| DFT-s-OFDM 256 QAM                 | 673             | Outer_Full    | 18.10               | 19.43                | /           | Pass    |
|                                    | 680.5           | Outer_Full    | 18.17               | 19.41                | /           | Pass    |
|                                    | 688             | Outer_Full    | 18.13               | 19.44                | /           | Pass    |
| CP-OFDM QPSK                       | 673             | Outer_Full    | 19.10               | 20.46                | /           | Pass    |
|                                    | 680.5           | Outer_Full    | 19.12               | 20.46                | /           | Pass    |
|                                    | 688             | Outer_Full    | 19.13               | 20.44                | /           | Pass    |
| CP-OFDM 16 QAM                     | 673             | Outer_Full    | 19.14               | 20.42                | /           | Pass    |
|                                    | 680.5           | Outer_Full    | 19.14               | 20.49                | /           | Pass    |
|                                    | 688             | Outer_Full    | 19.15               | 20.43                | /           | Pass    |
| CP-OFDM 64 QAM                     | 673             | Outer_Full    | 19.11               | 20.46                | /           | Pass    |
|                                    | 680.5           | Outer_Full    | 19.18               | 20.48                | /           | Pass    |
|                                    | 688             | Outer_Full    | 19.12               | 20.45                | /           | Pass    |
| CP-OFDM 256 QAM                    | 673             | Outer_Full    | 19.08               | 20.48                | /           | Pass    |
|                                    | 680.5           | Outer_Full    | 19.12               | 20.45                | /           | Pass    |
|                                    | 688             | Outer_Full    | 19.09               | 20.44                | /           | Pass    |

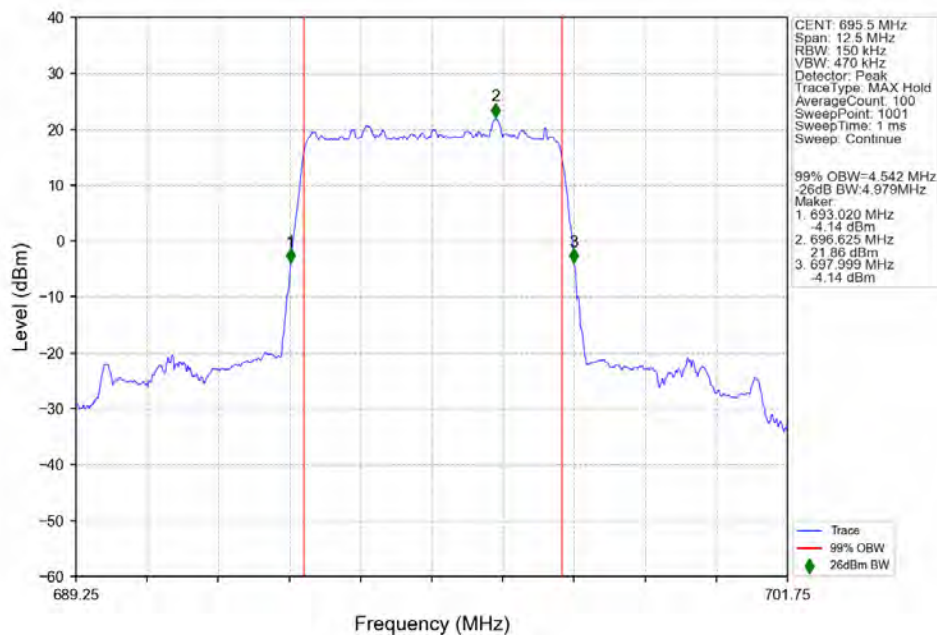


3.2 Test Graph

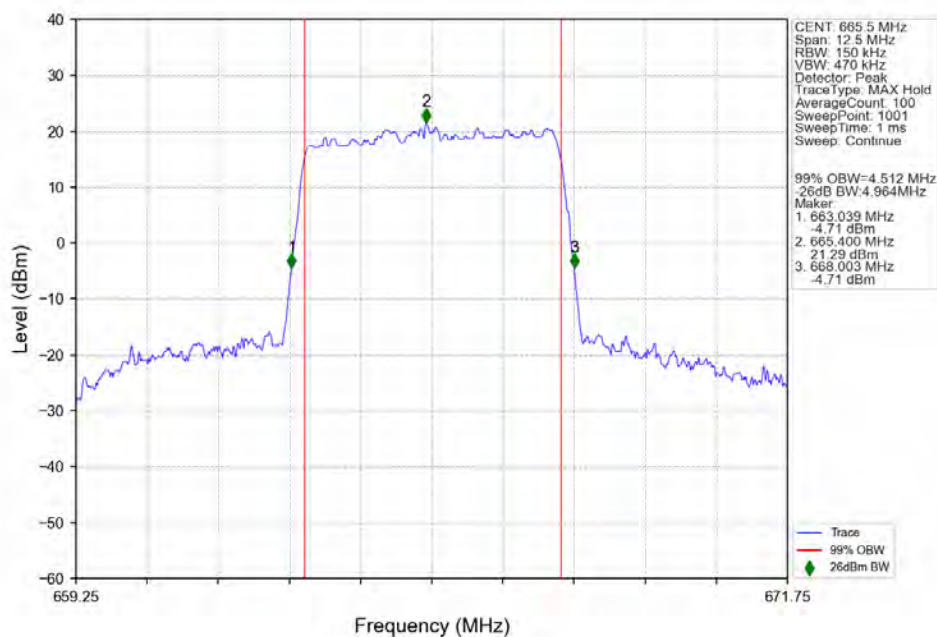
3.2.1 15k\_SISO\_5MHz\_NTNV



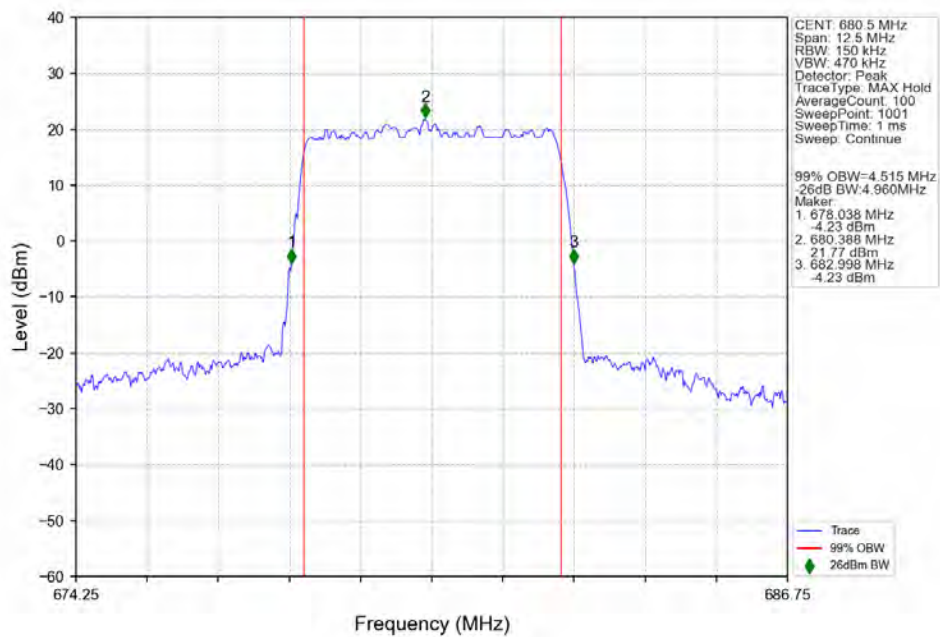
n71 15kHz SISO NTN 5MHz DFT-s-OFDM PI/2 BPSK 695.5MHz Outer Full Ant1



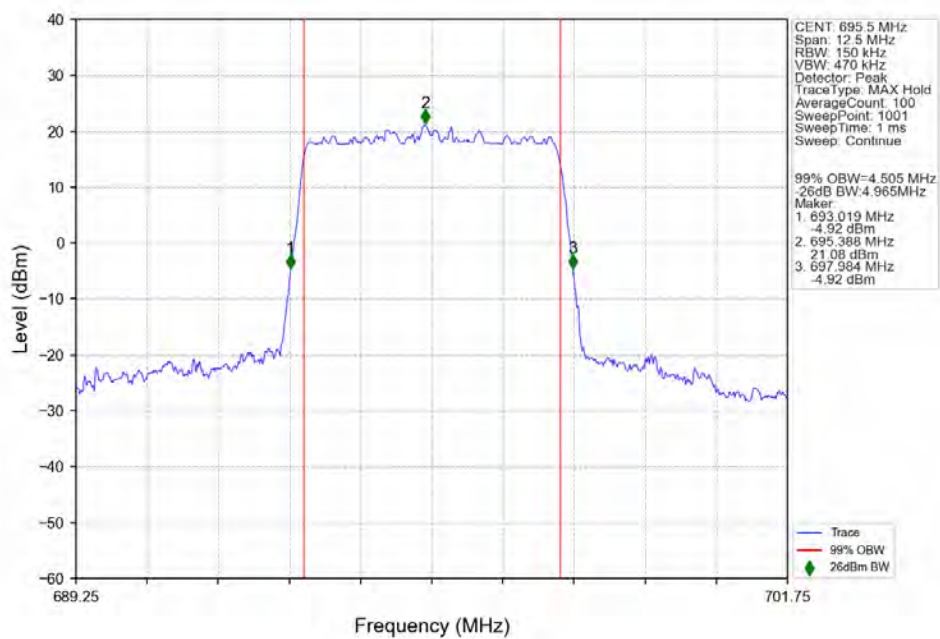
n71 15kHz SISO NTN 5MHz DFT-s-OFDM QPSK 665.5MHz Outer Full Ant1



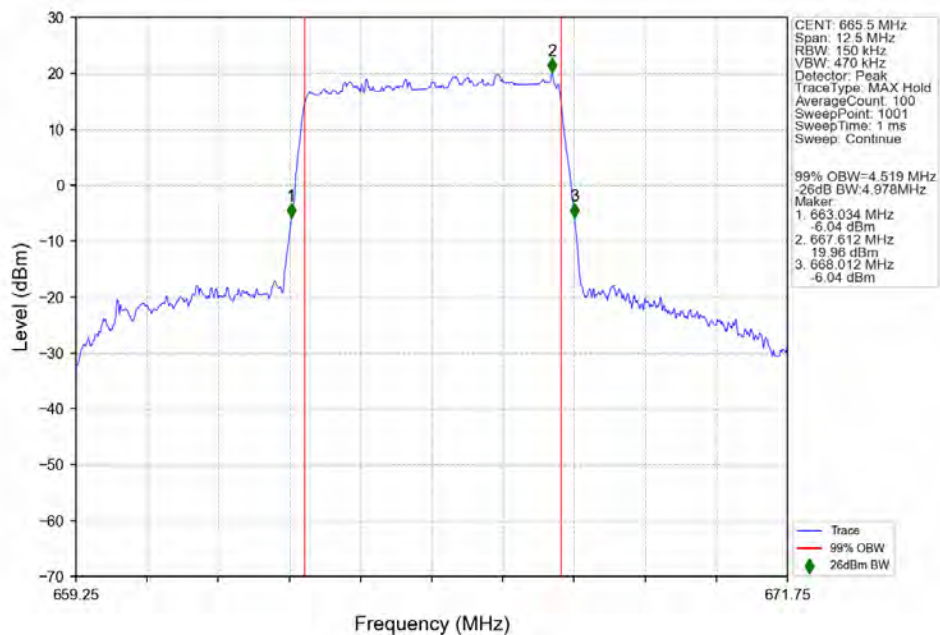
n71 15kHz SISO NTNV 5MHz DFT-s-OFDM QPSK 680.5MHz Outer Full Ant1



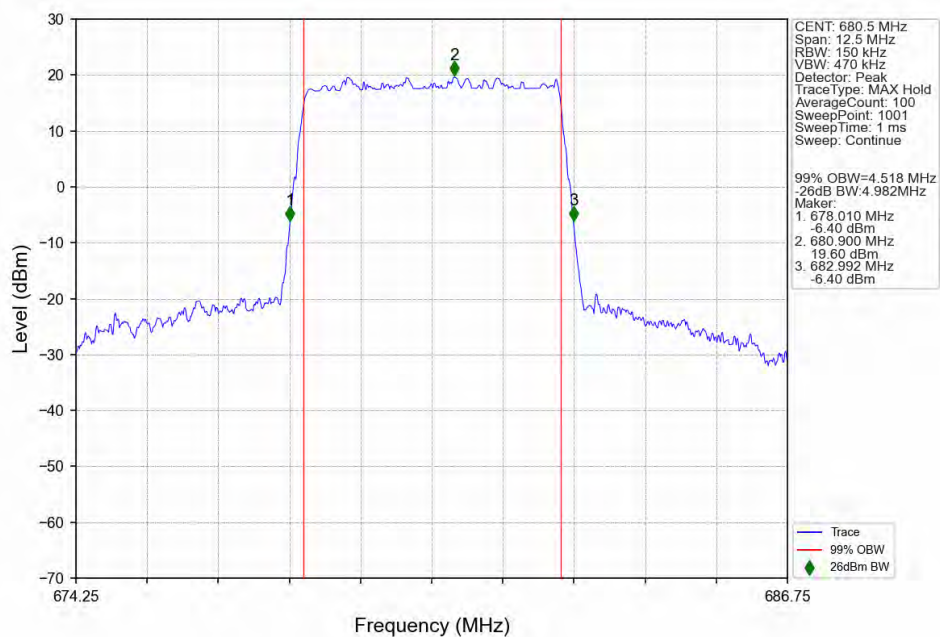
n71 15kHz SISO NTNV 5MHz DFT-s-OFDM QPSK 695.5MHz Outer Full Ant1



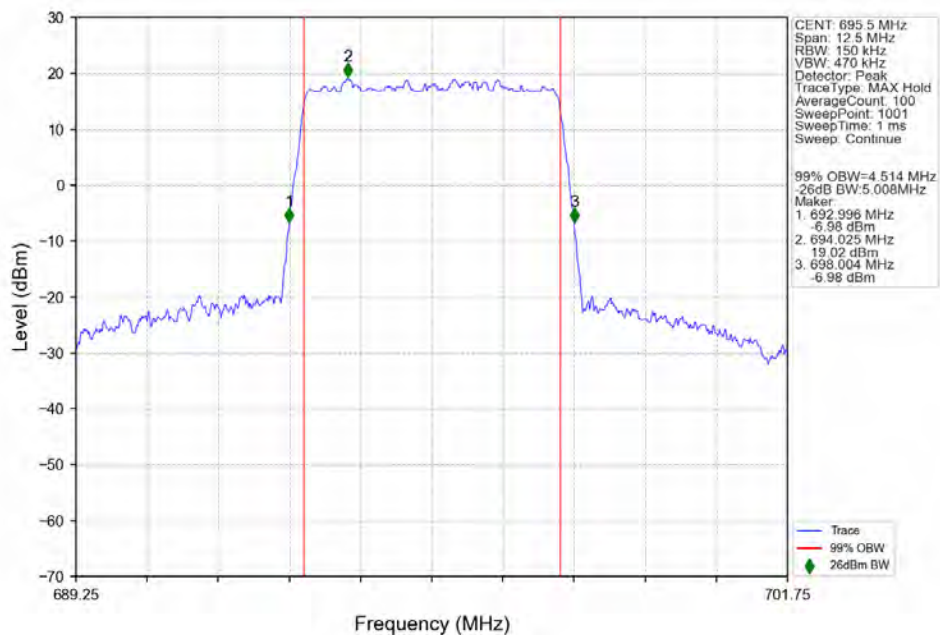
n71 15kHz SISO NTN 5MHz DFT-s-OFDM 16 QAM 665.5MHz Outer Full Ant1



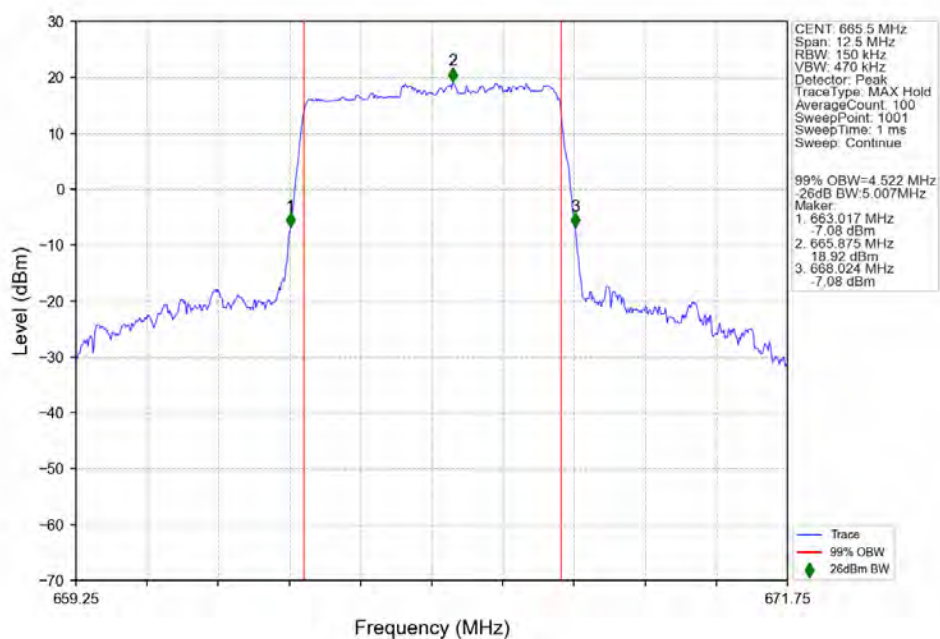
n71 15kHz SISO NTN 5MHz DFT-s-OFDM 16 QAM 680.5MHz Outer Full Ant1



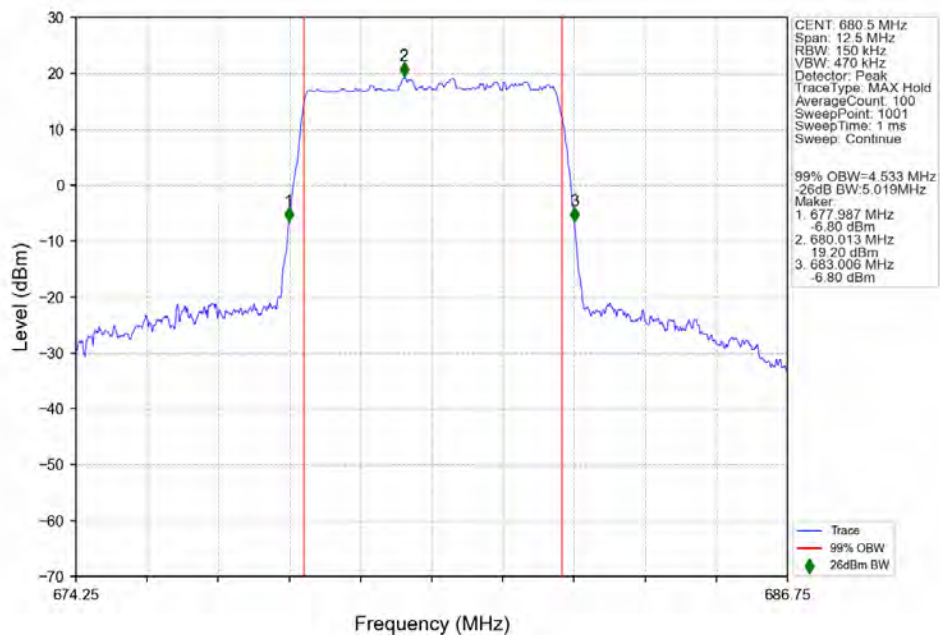
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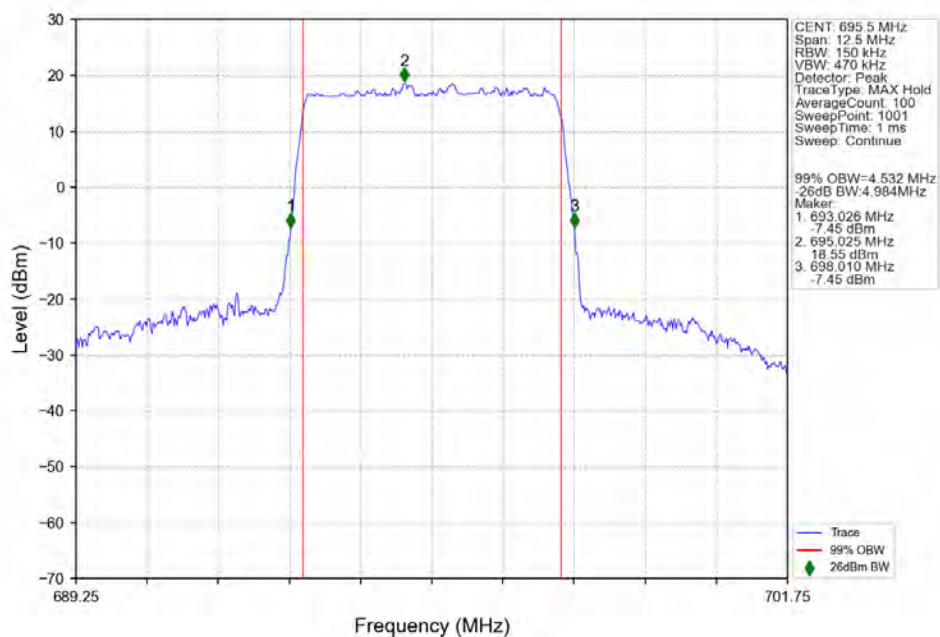
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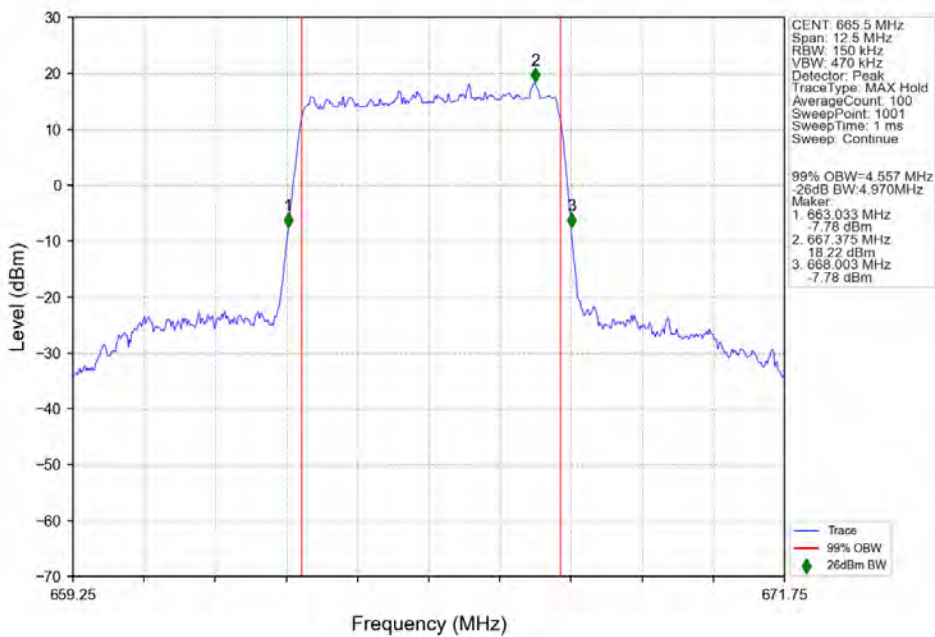
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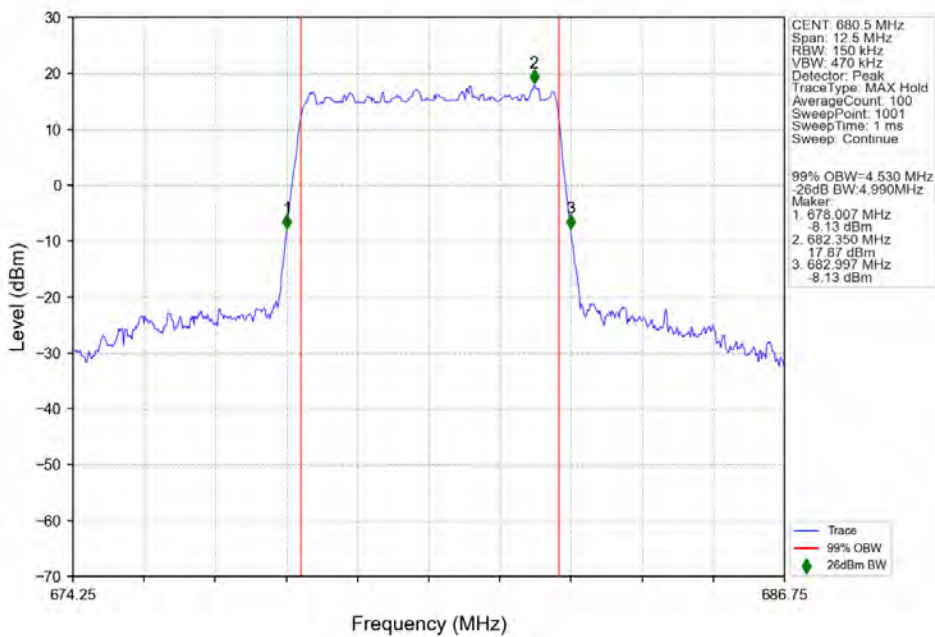
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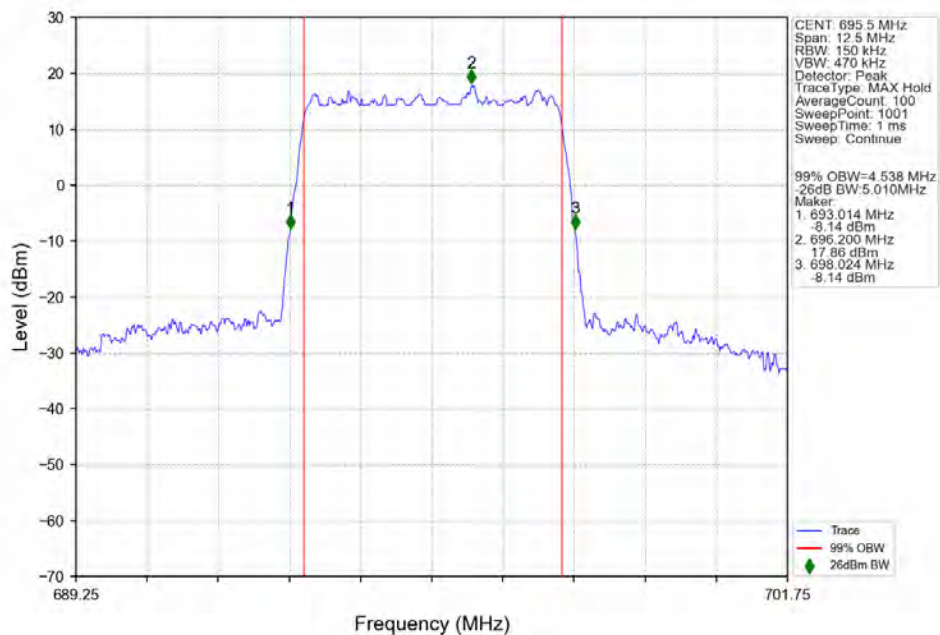
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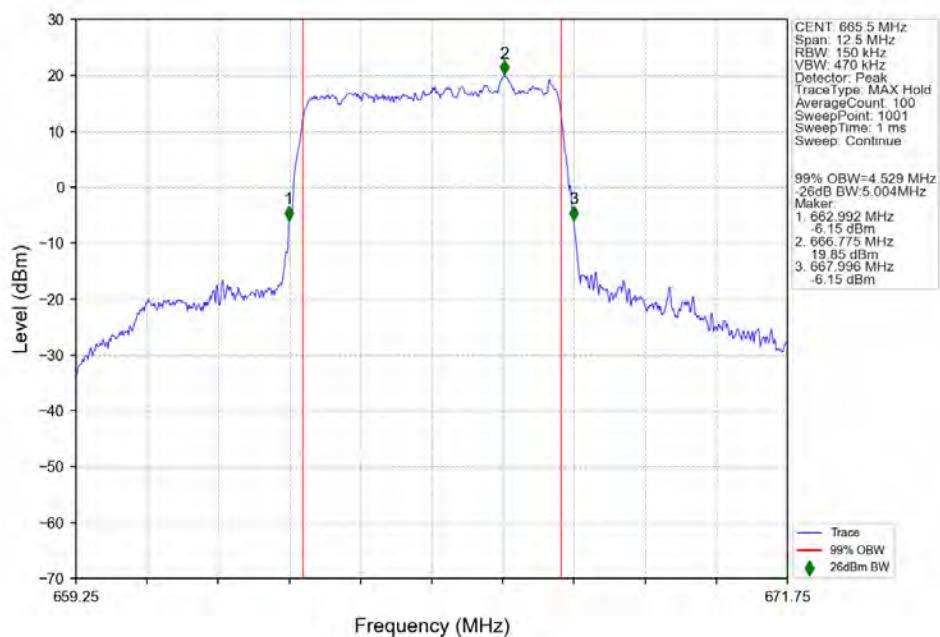
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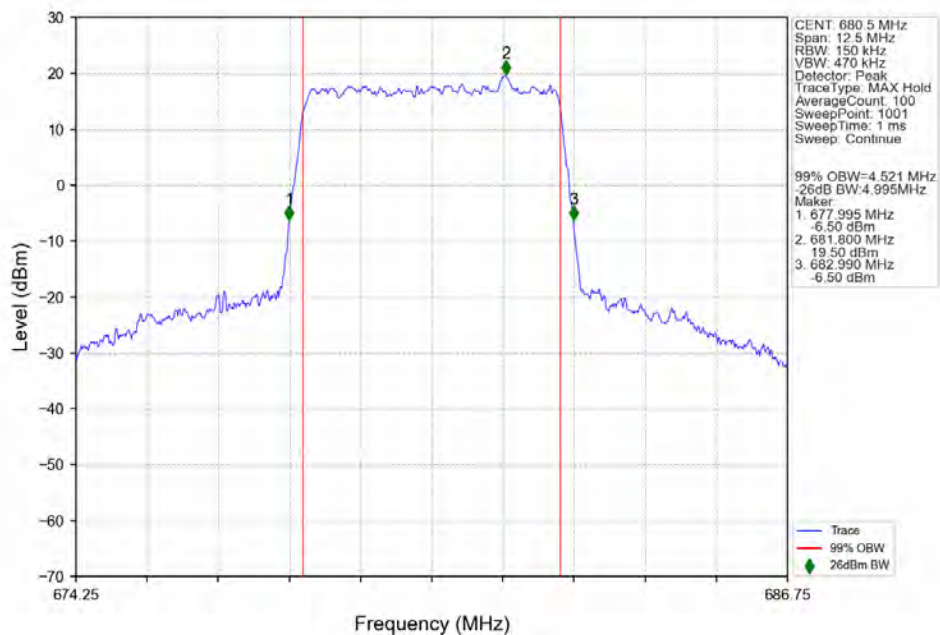
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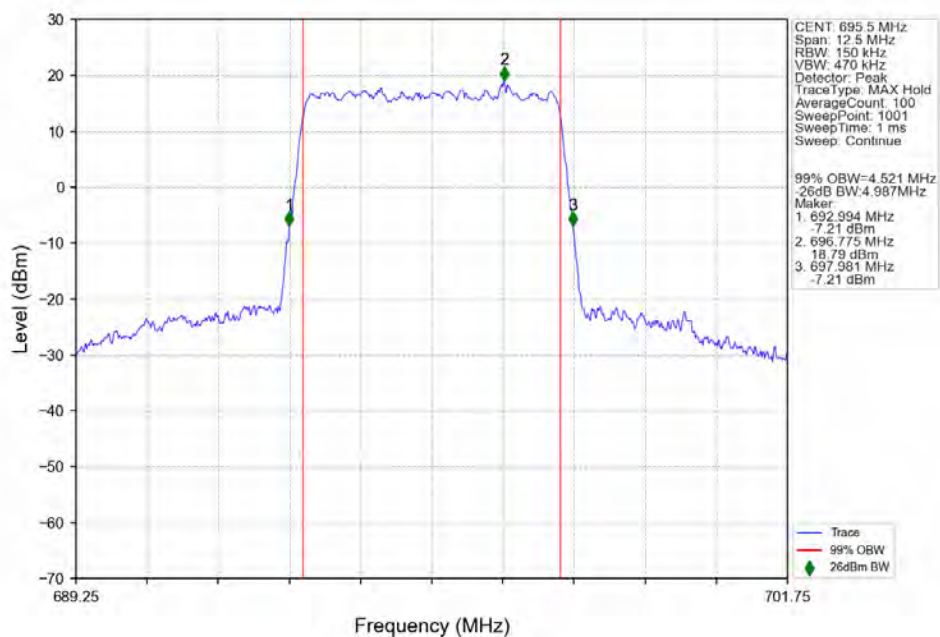
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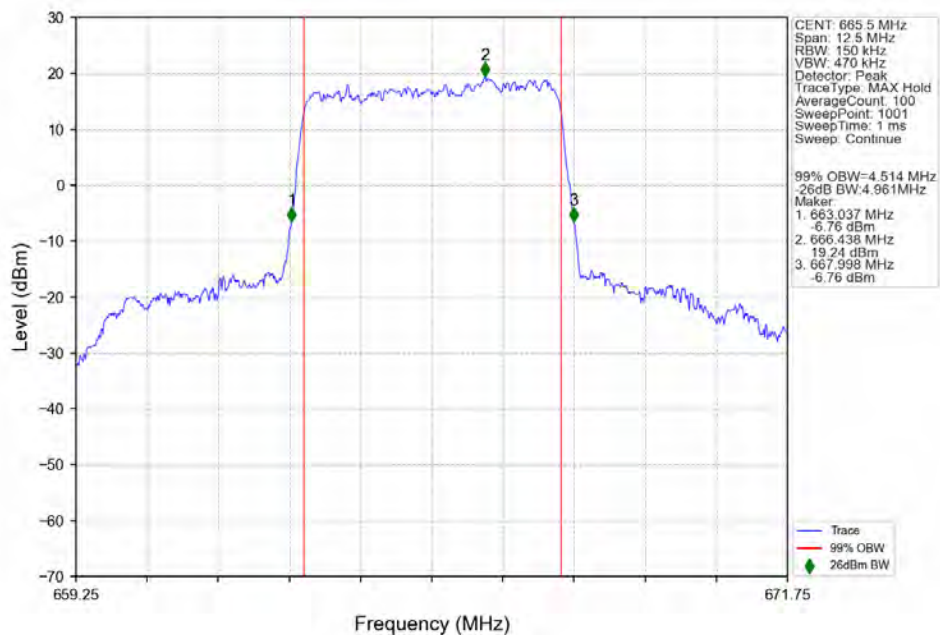
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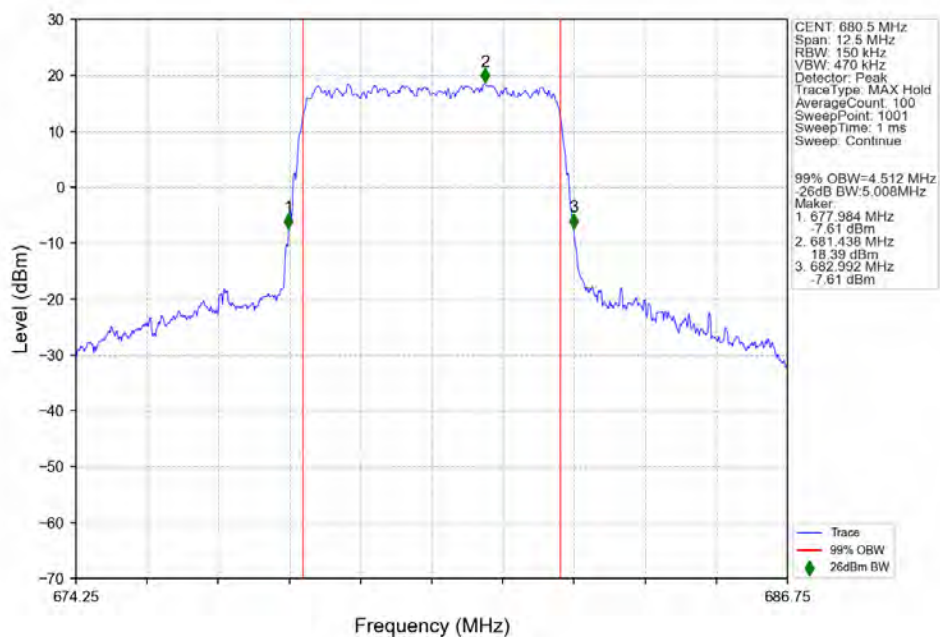
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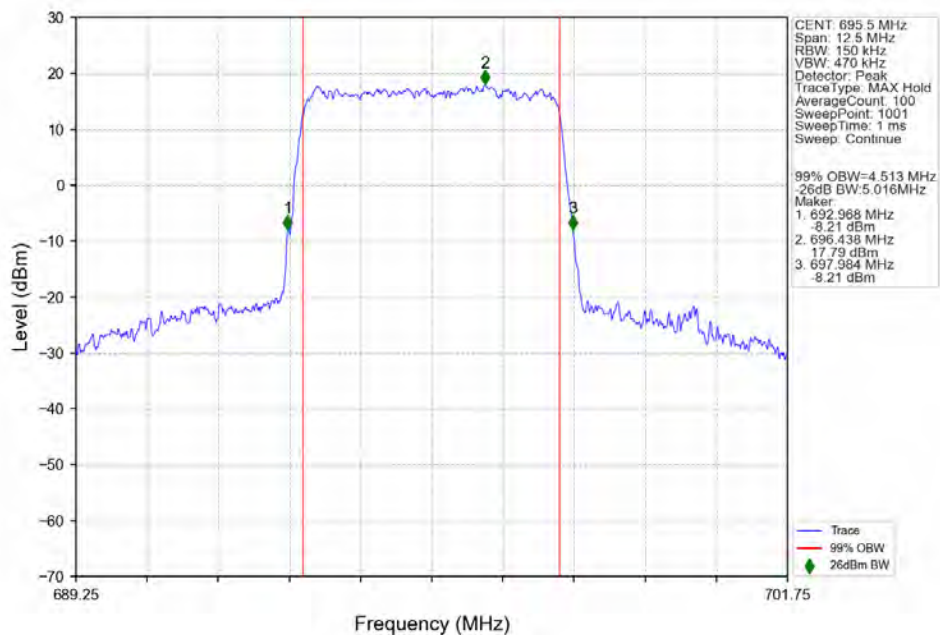
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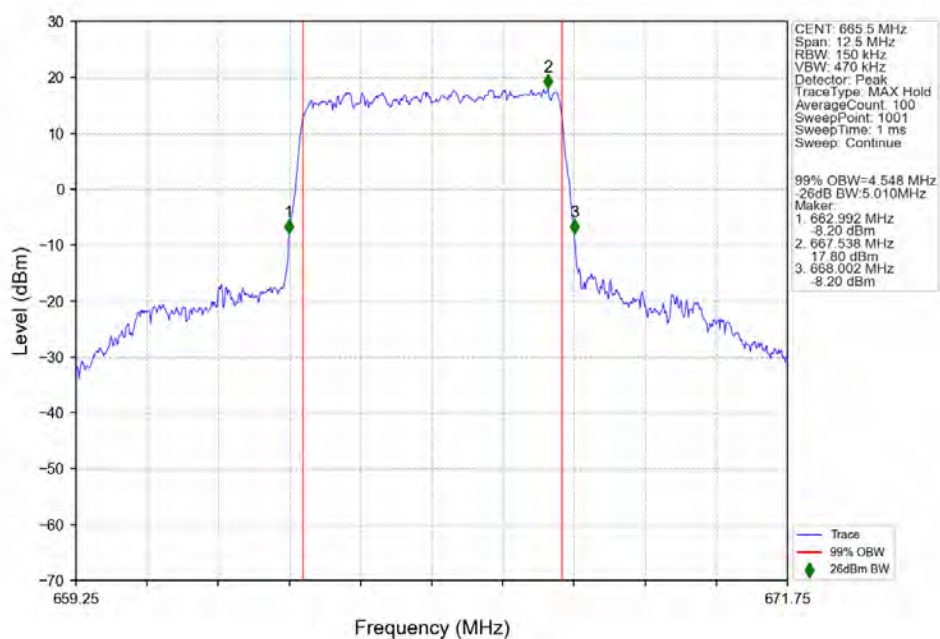
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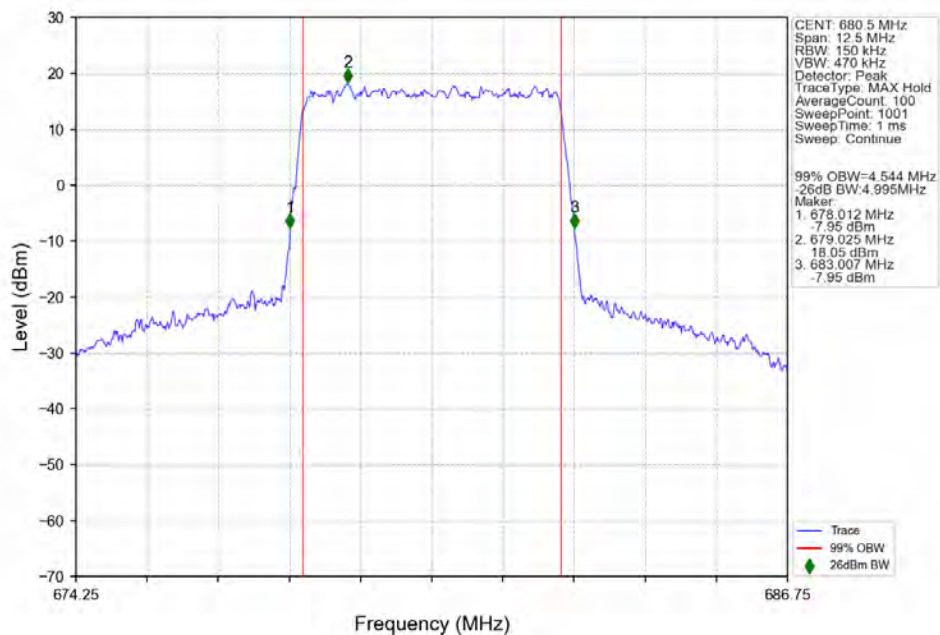
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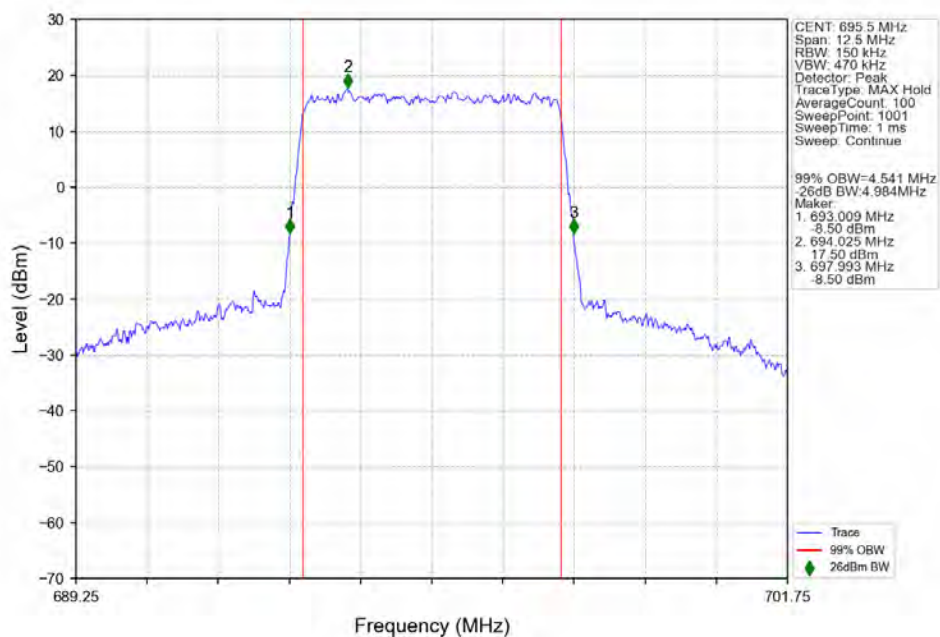
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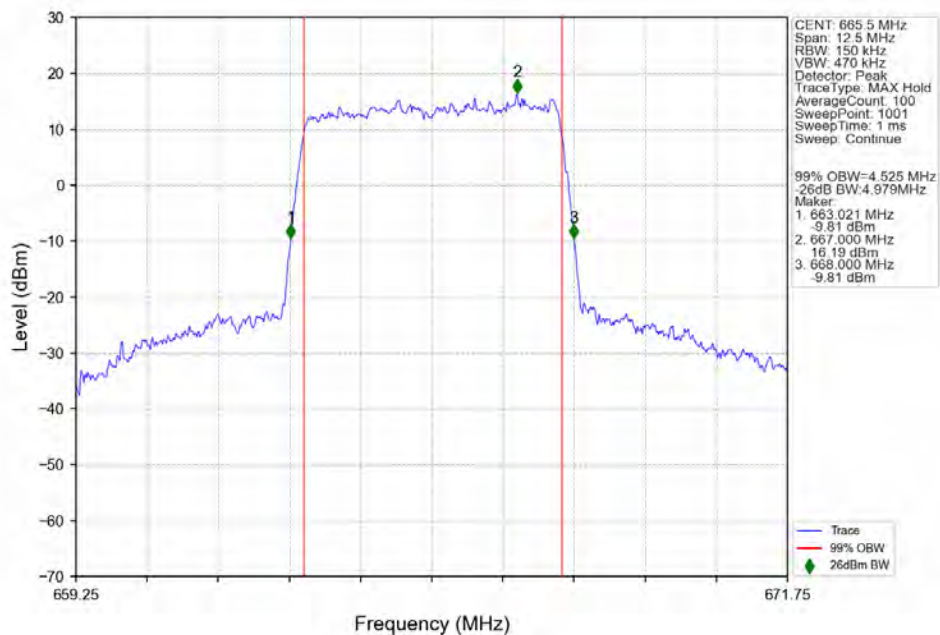
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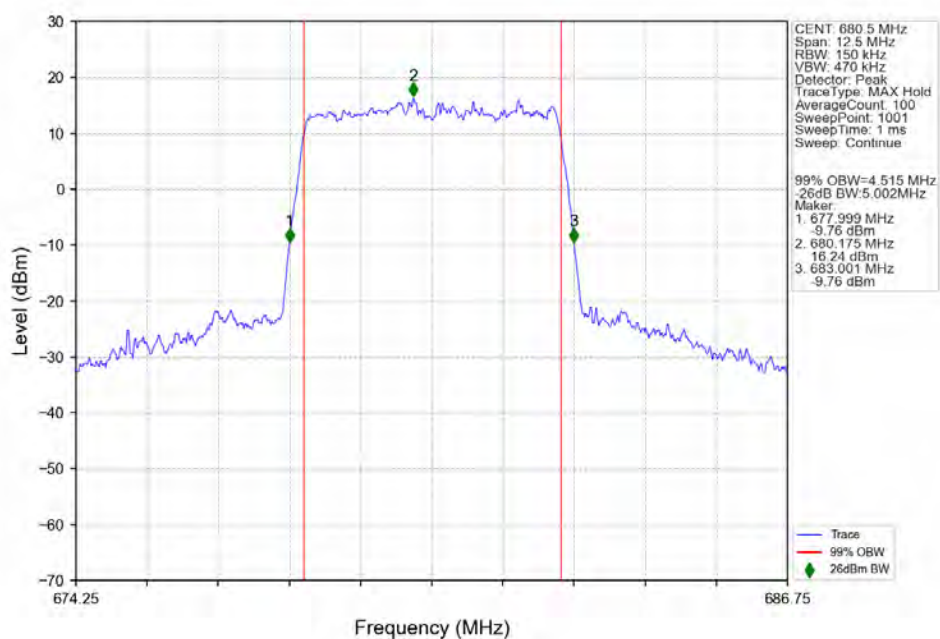
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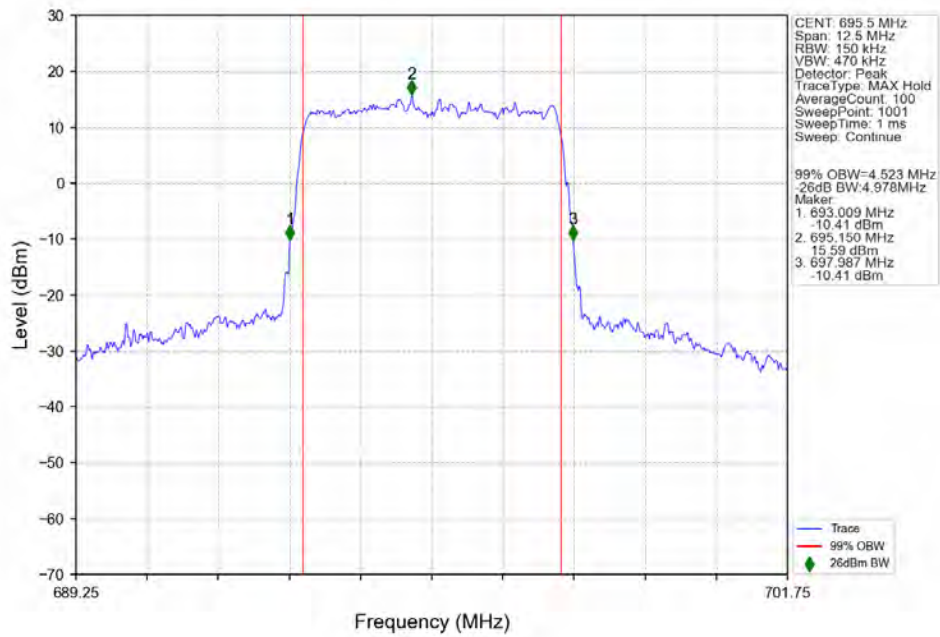
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n71 15kHz SISO NTNV 5MHz CP-OFDM 256 QAM 680.5MHz Outer Full Ant1

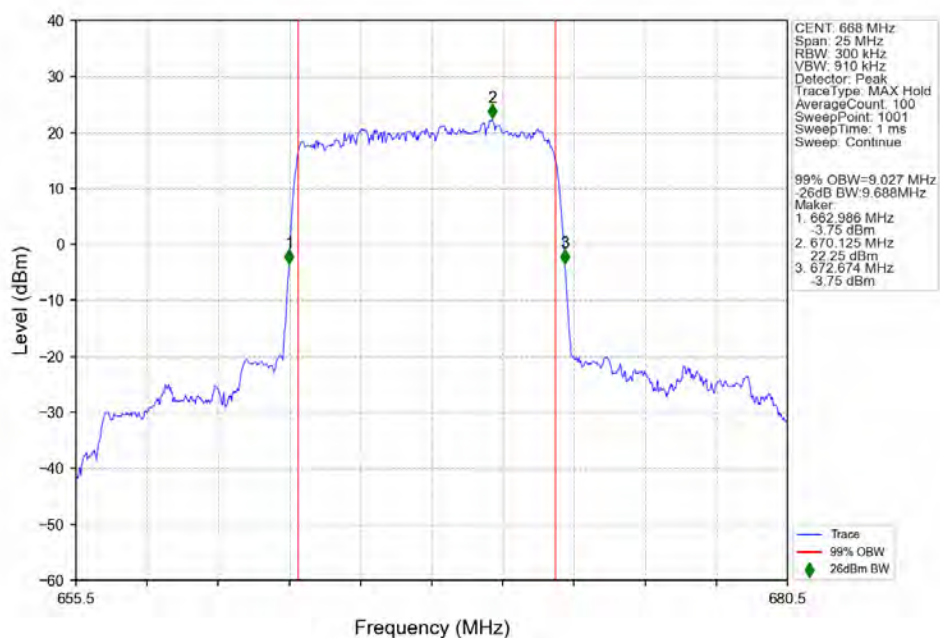


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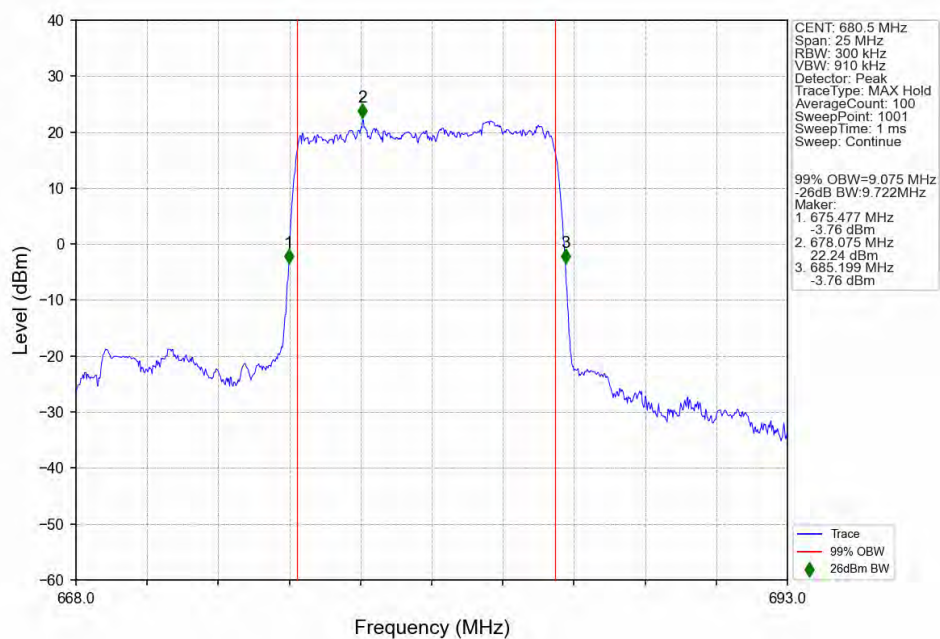


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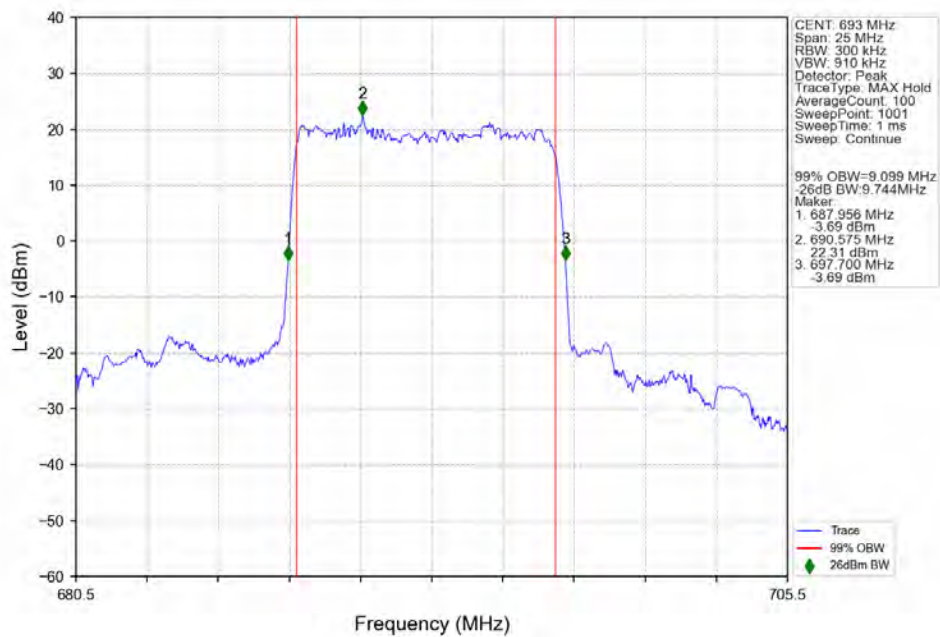
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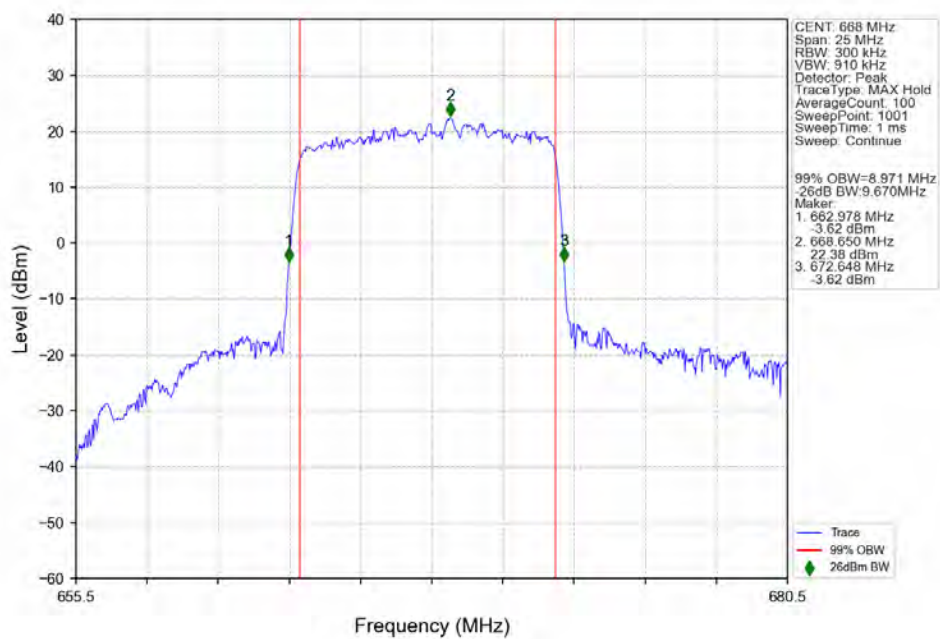
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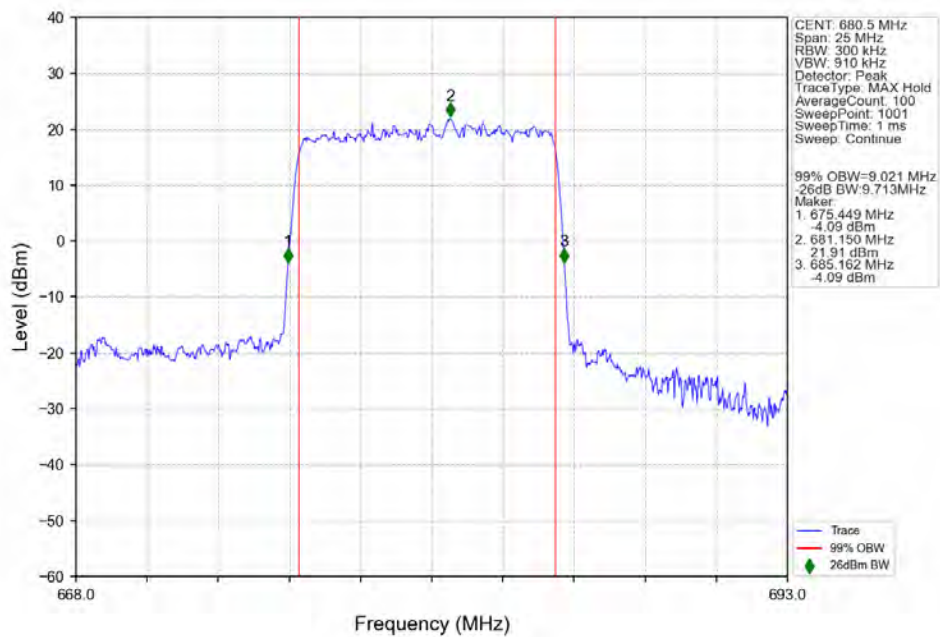
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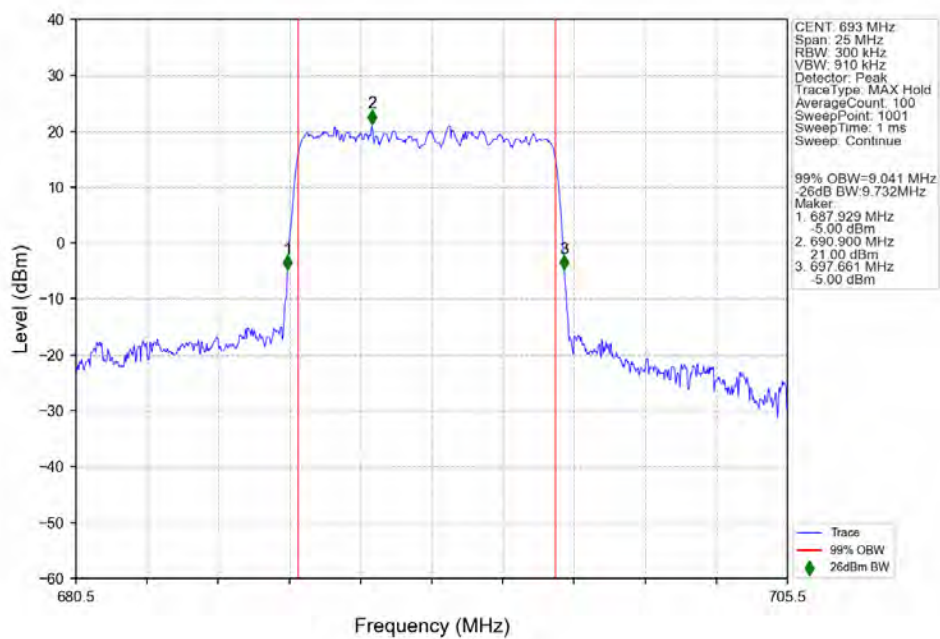
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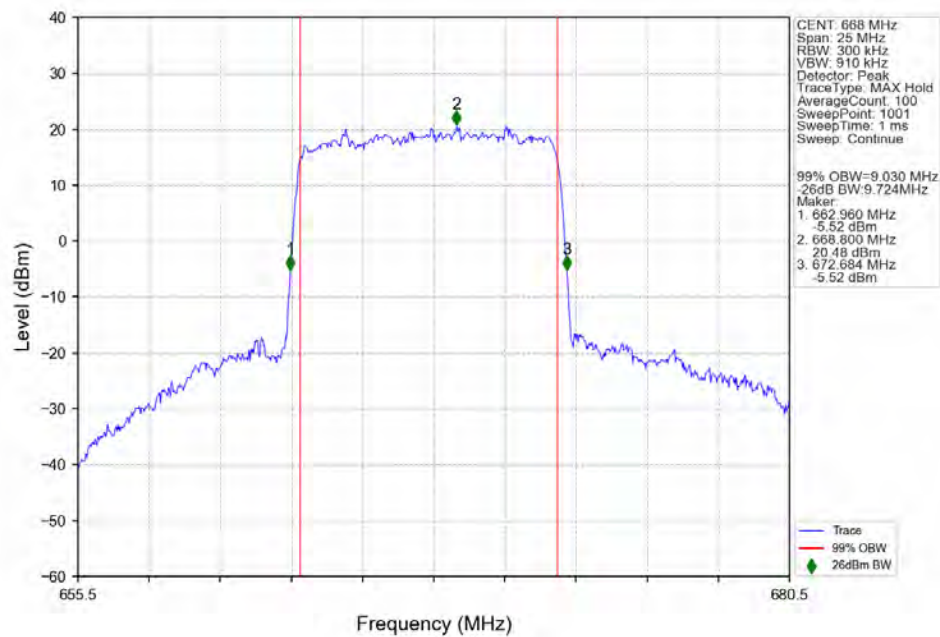
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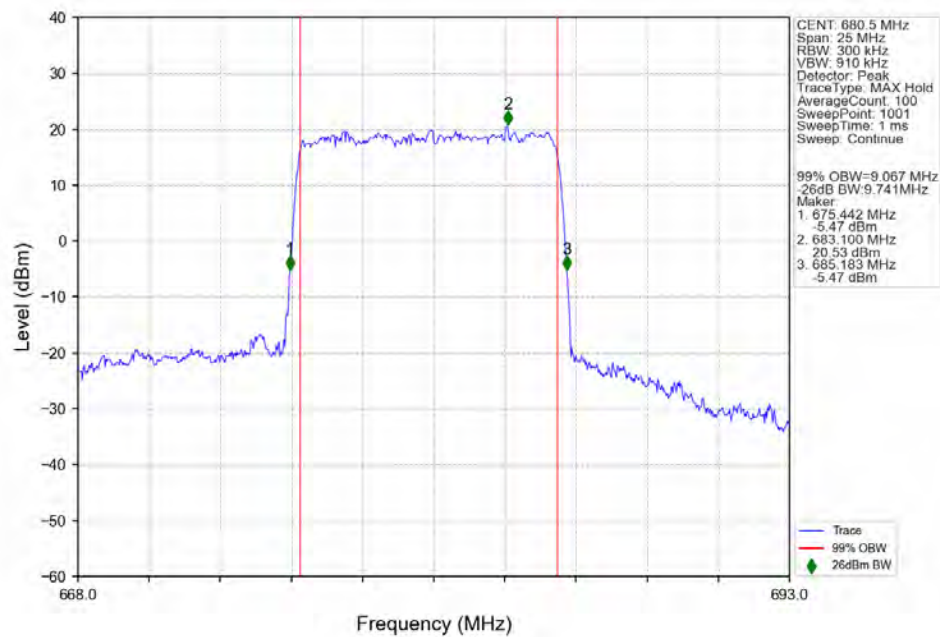
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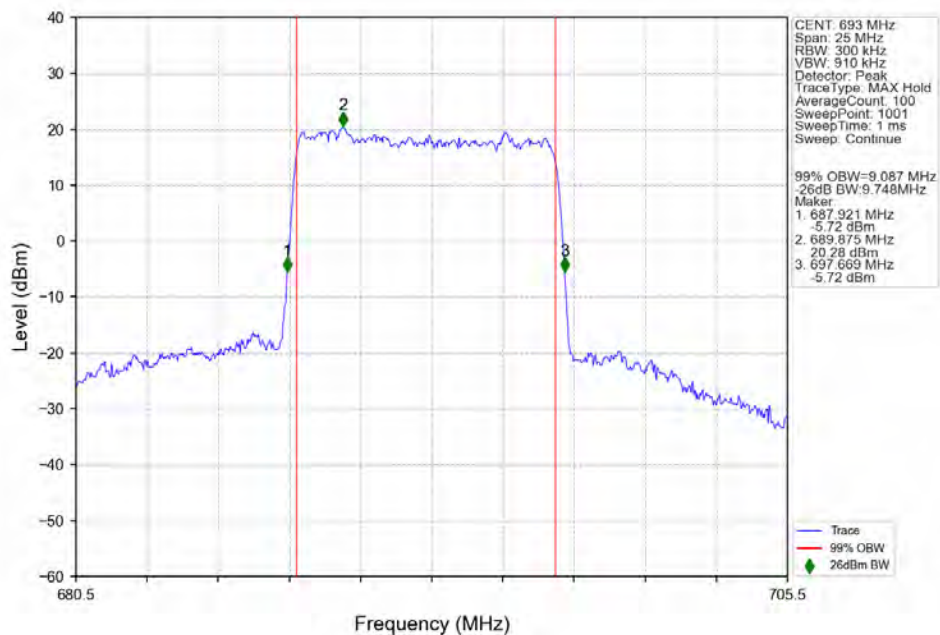
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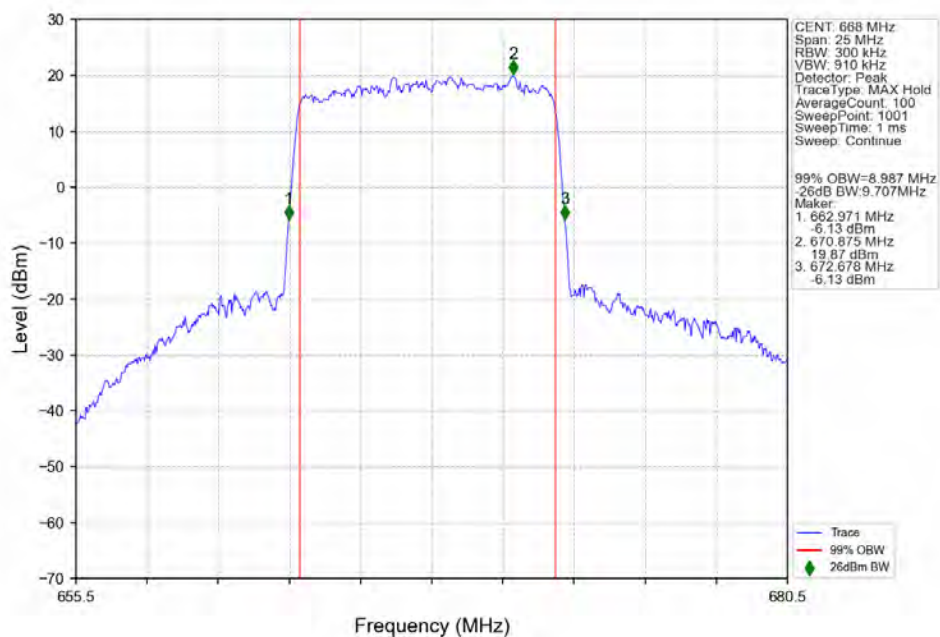
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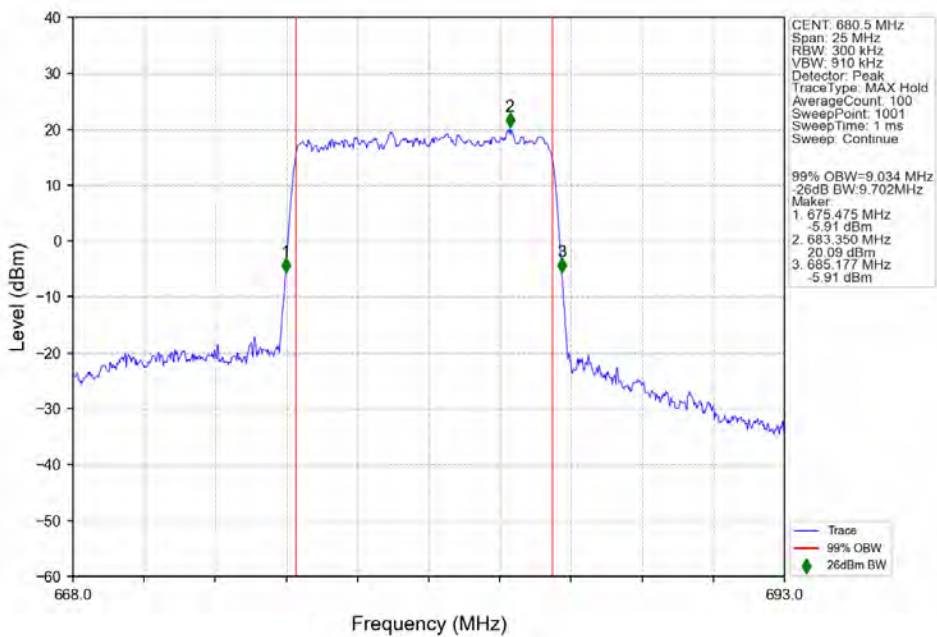
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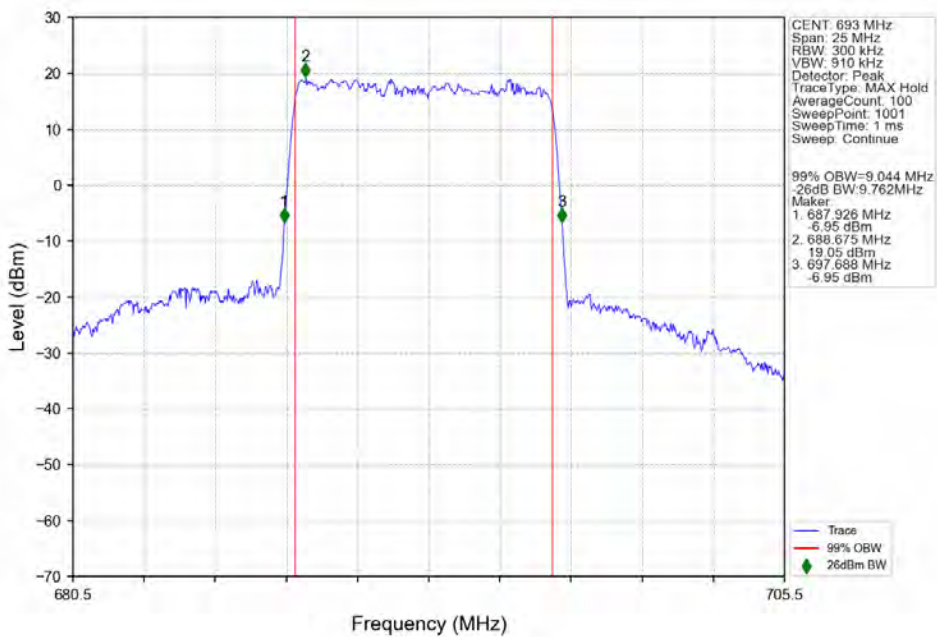
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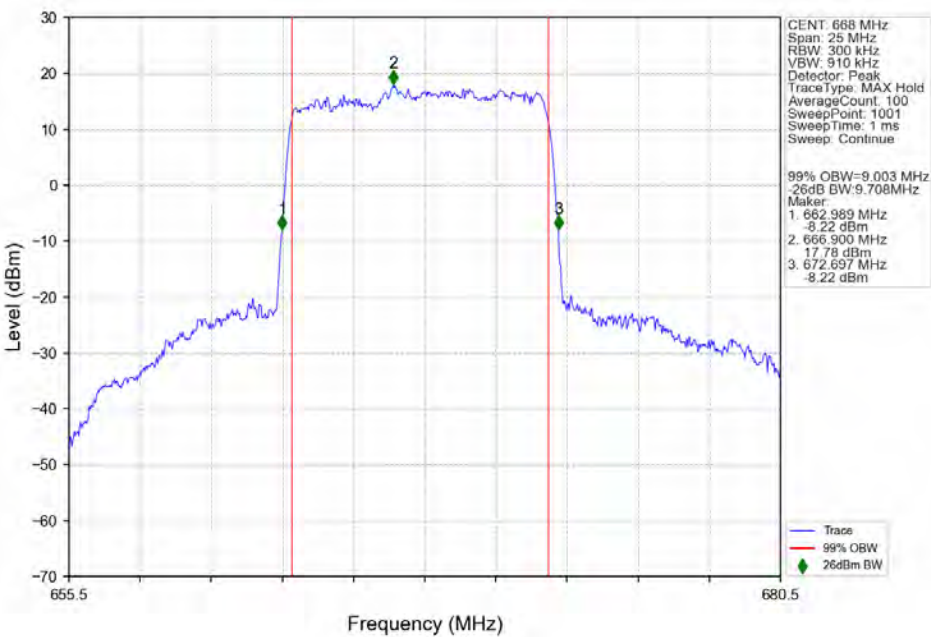
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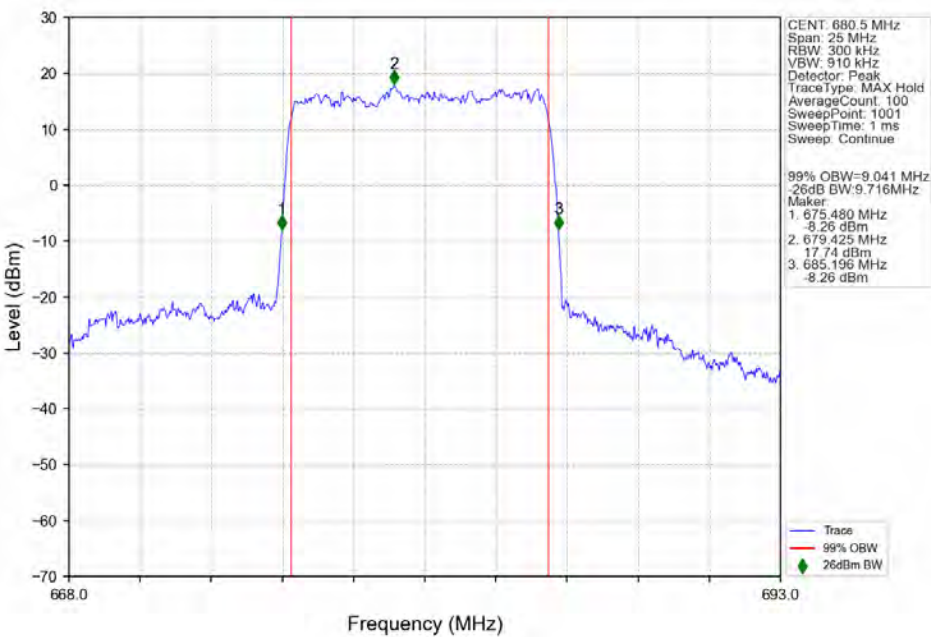
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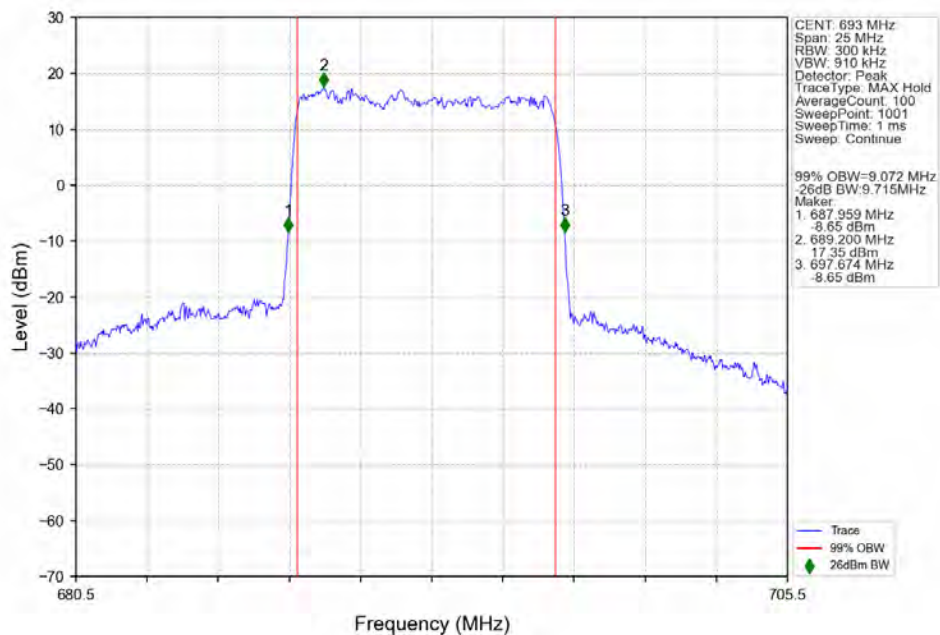
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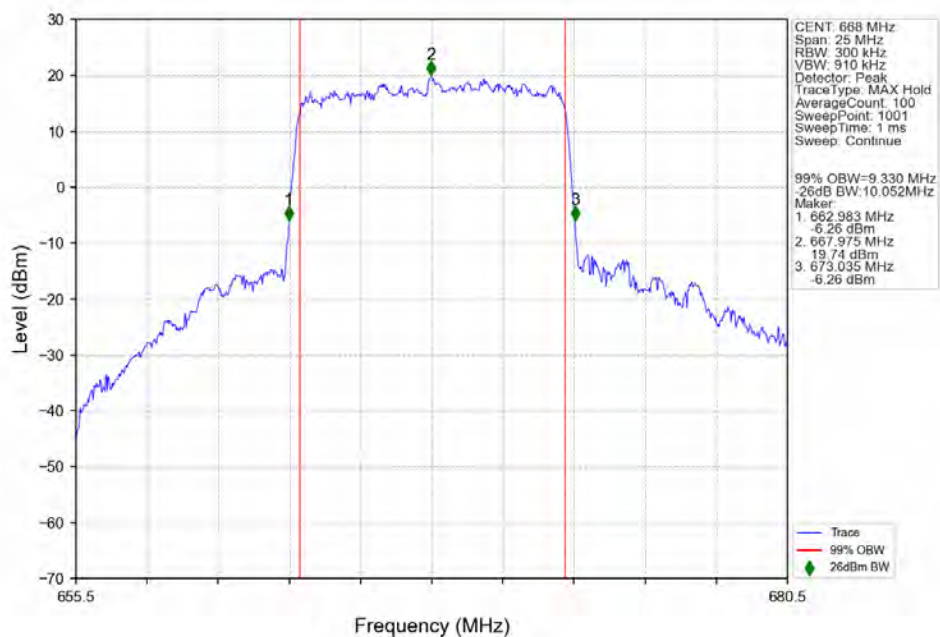
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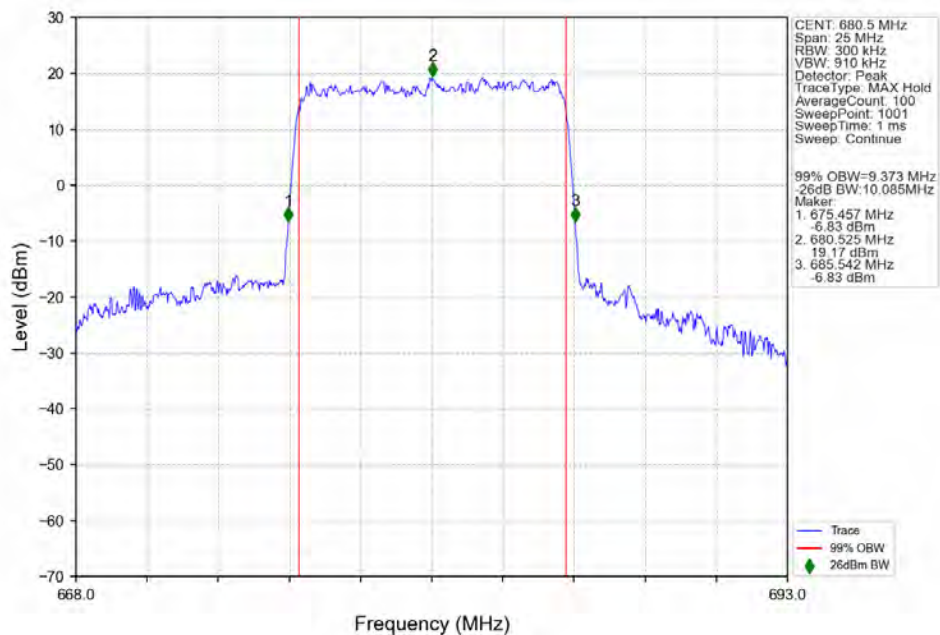
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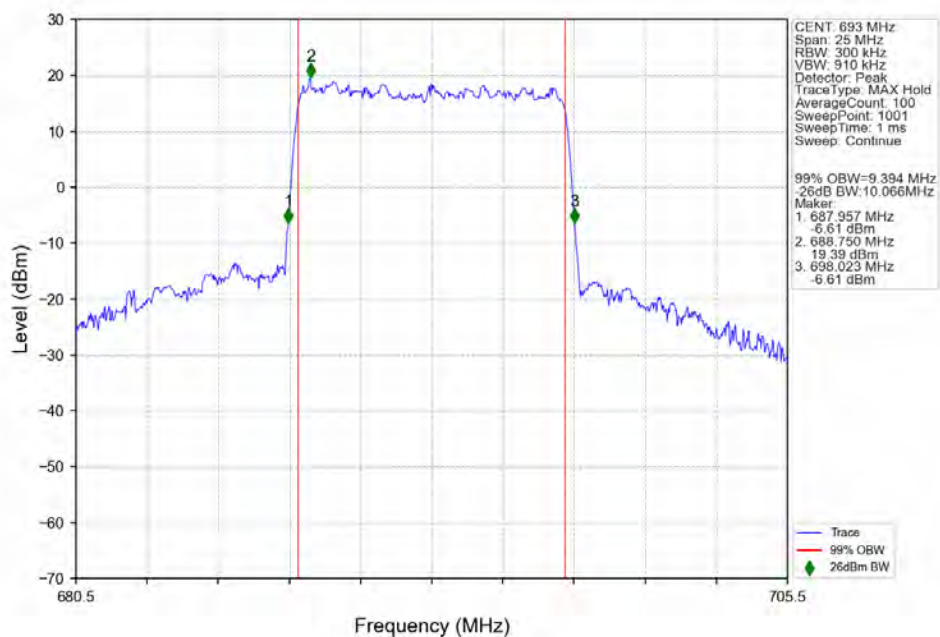
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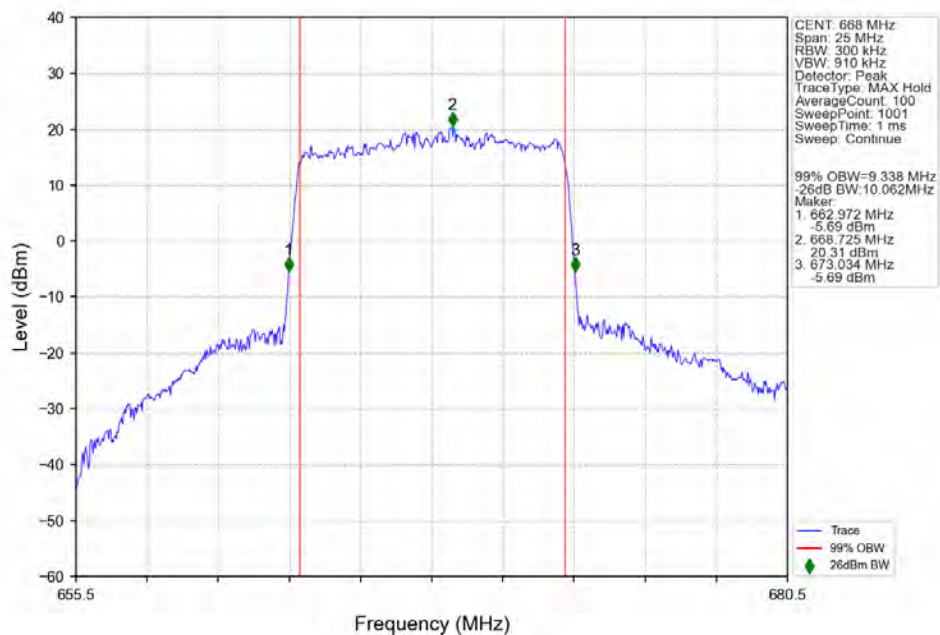
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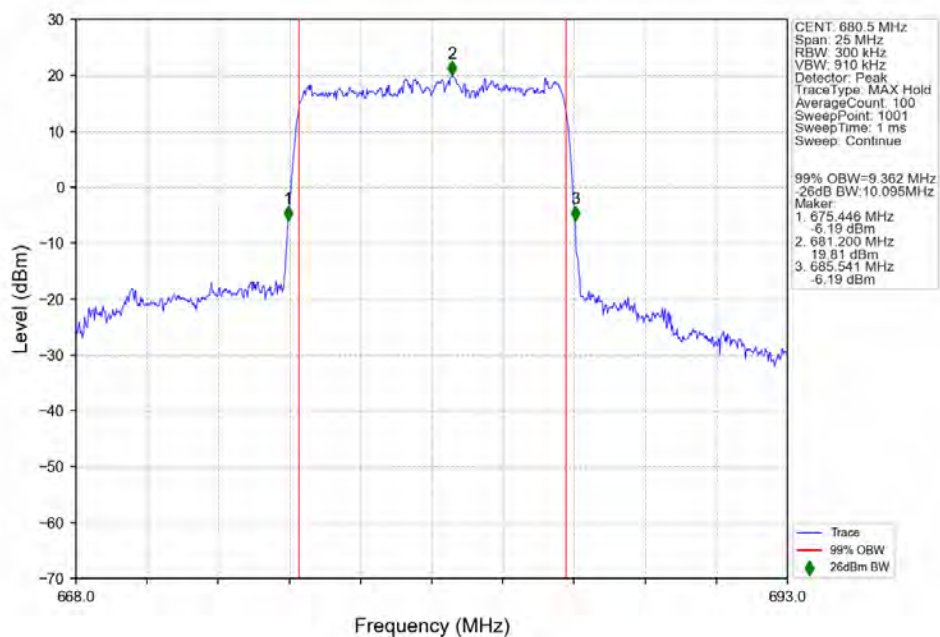
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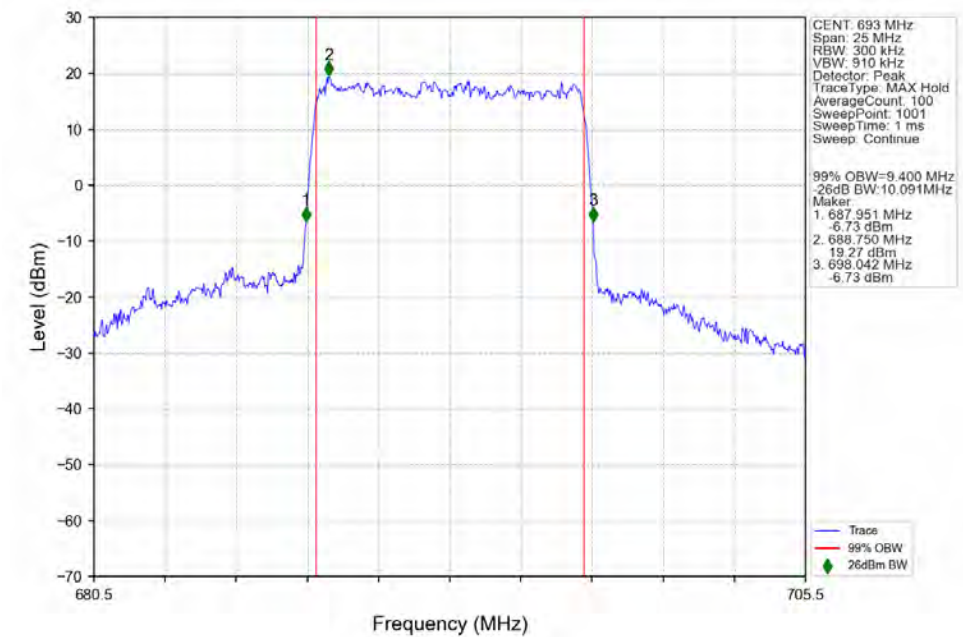
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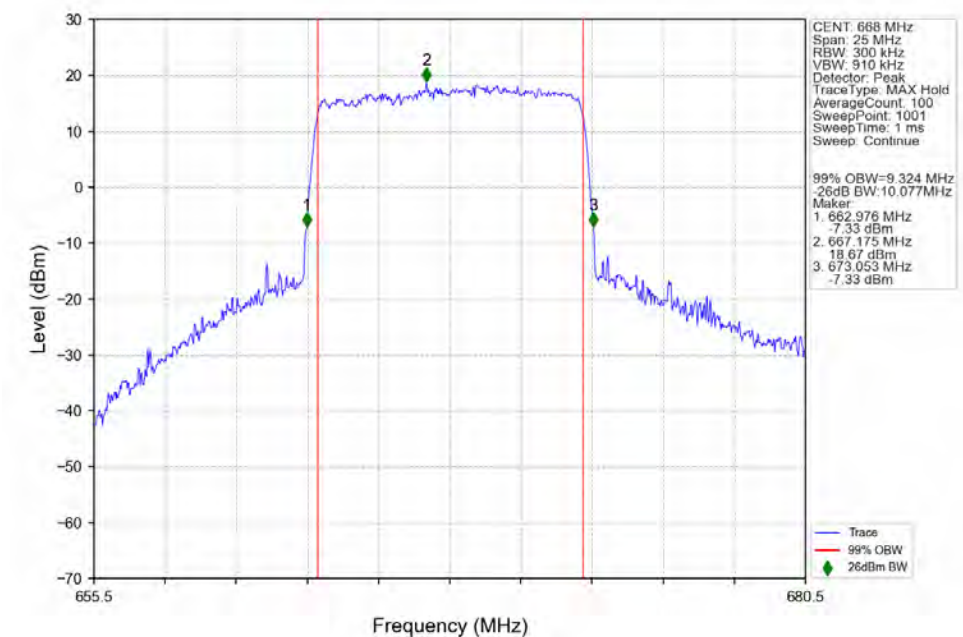
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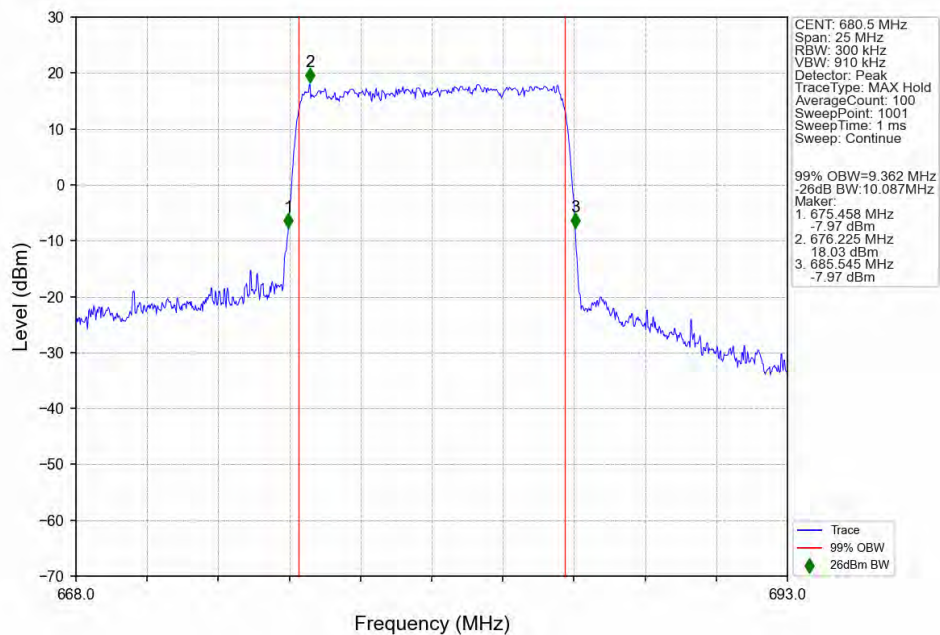
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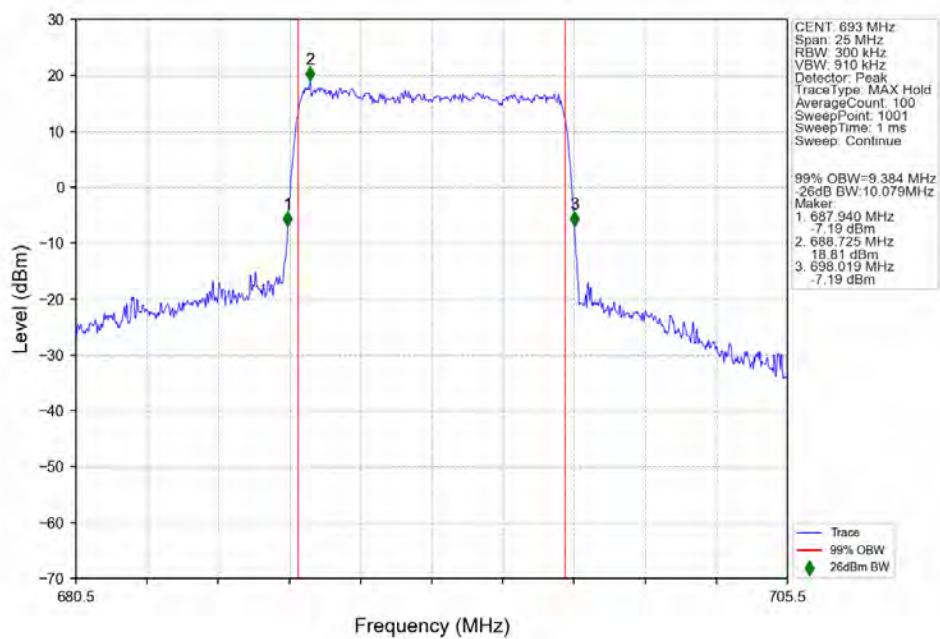
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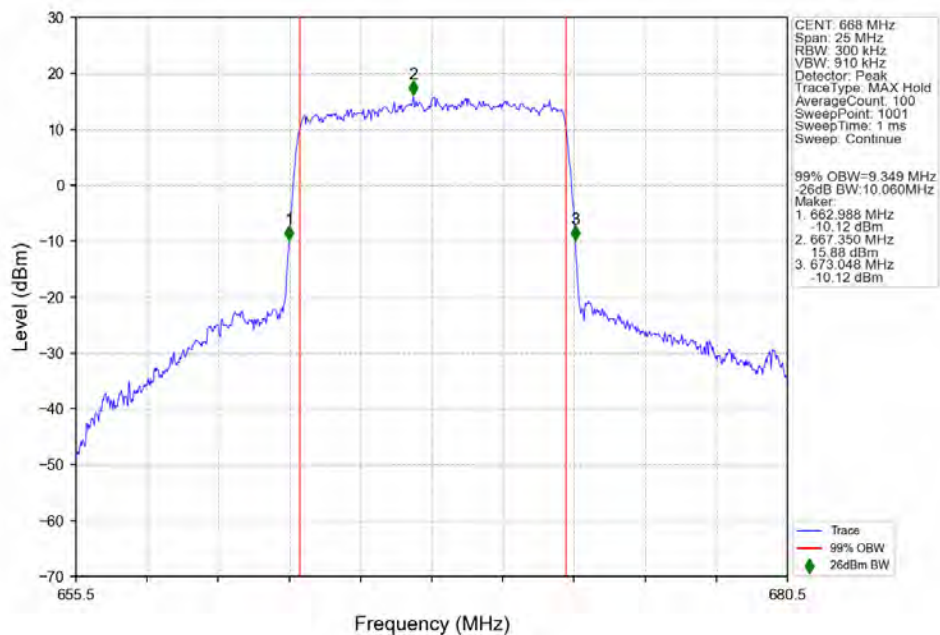
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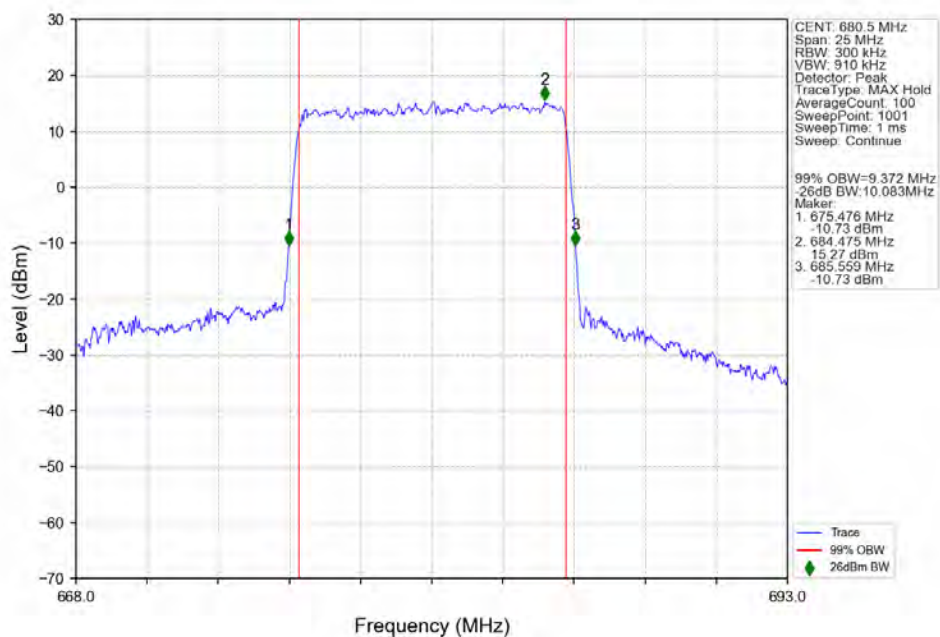
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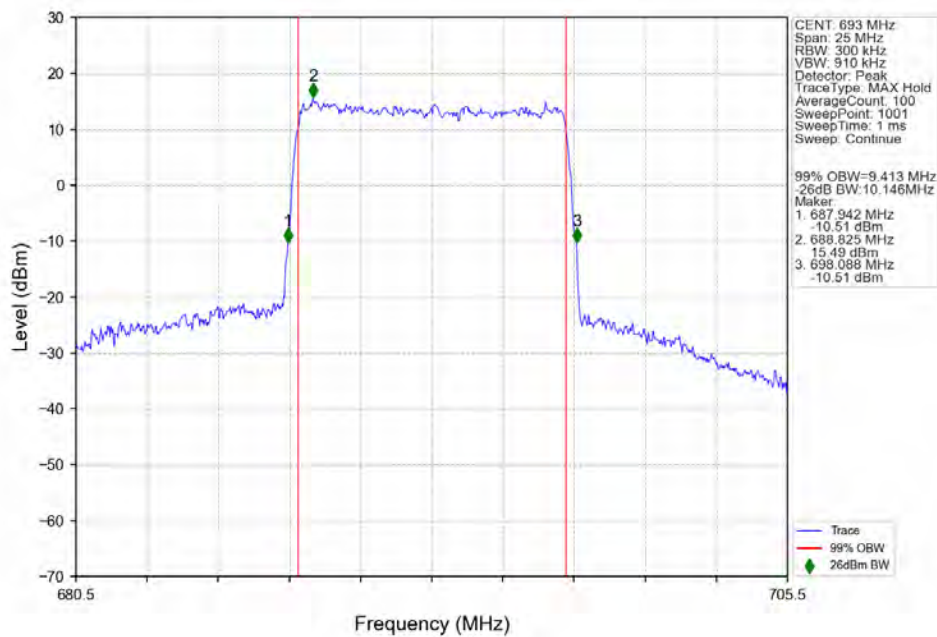
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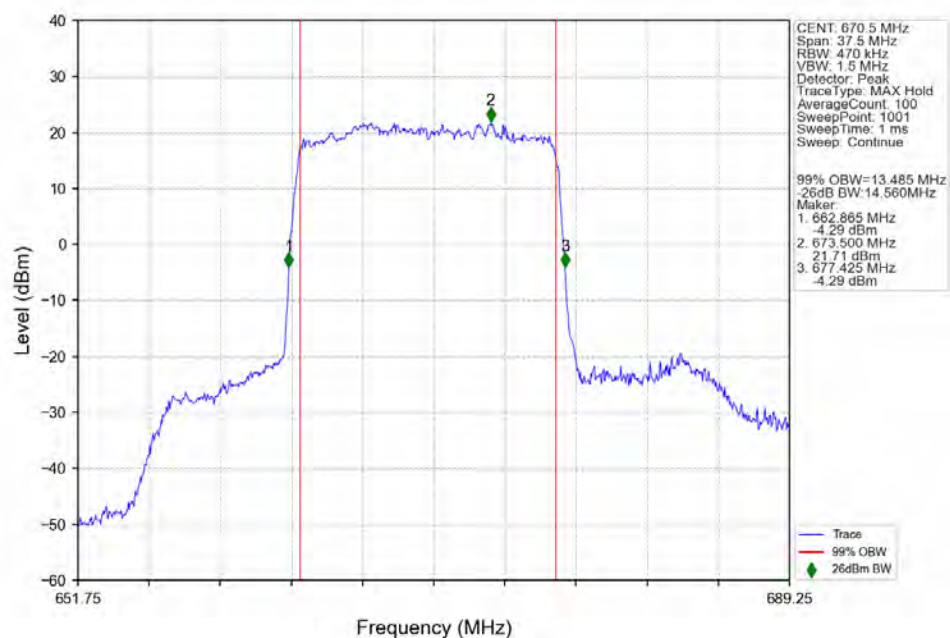


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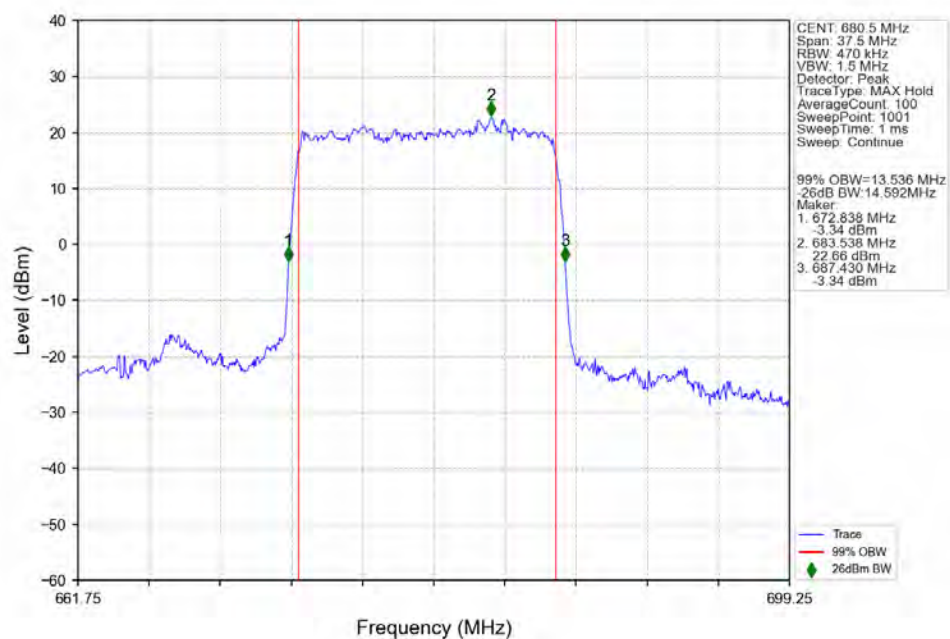


## 3.2.3 15k\_SISO\_15MHz\_NTNV

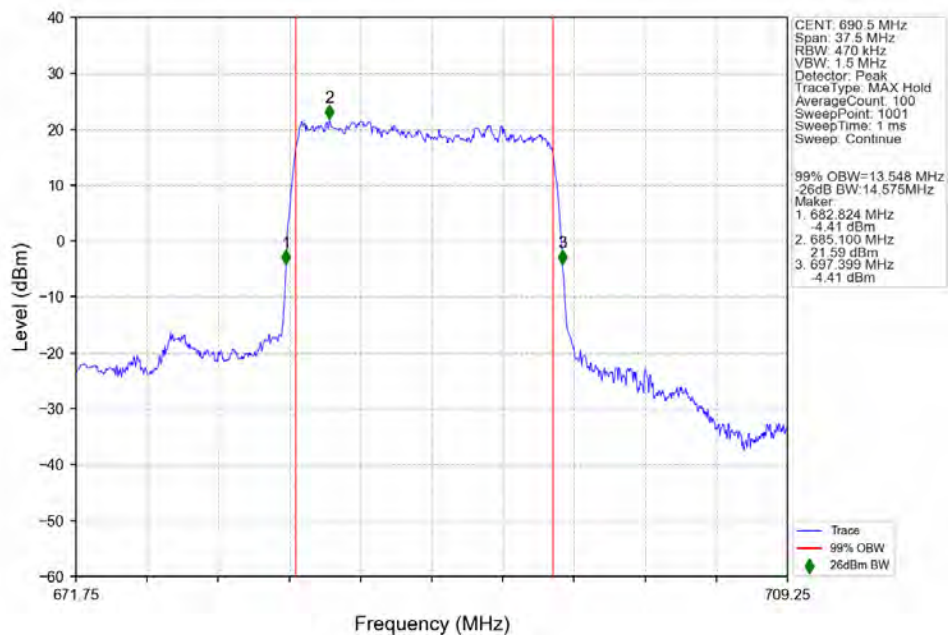
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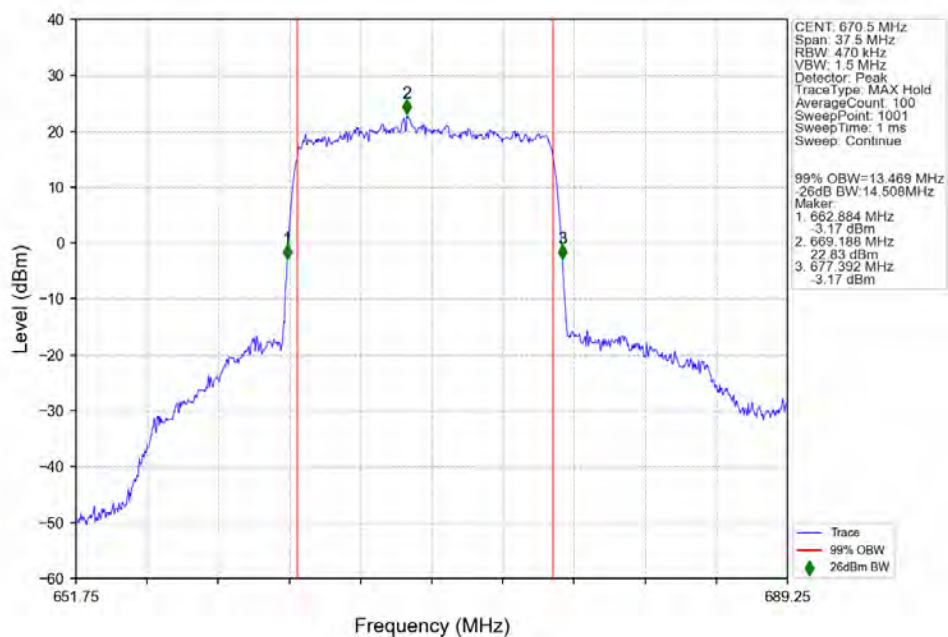
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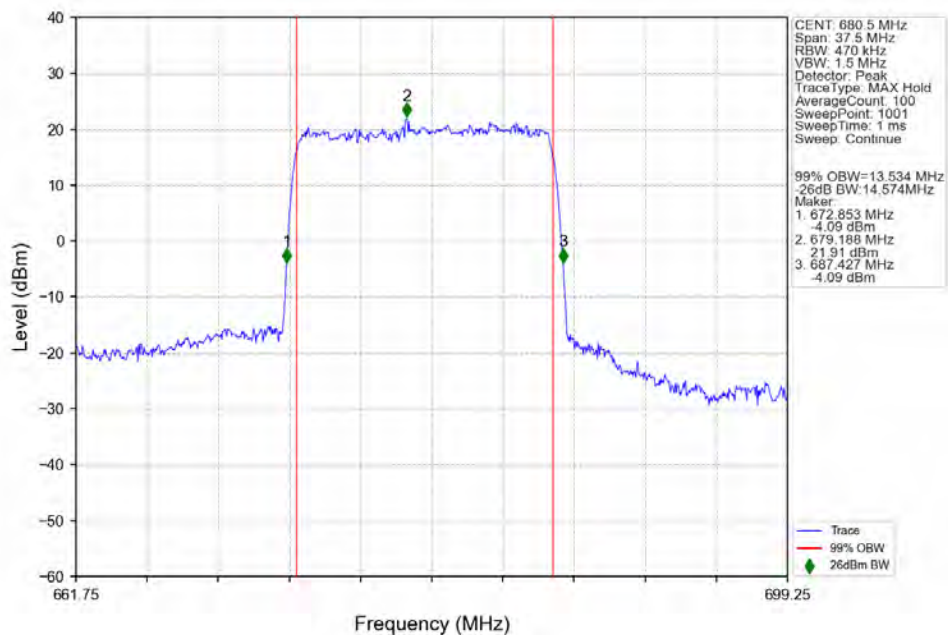
n71 15kHz SISO NTN 15MHz DFT-s-OFDM PI/2 BPSK 690.5MHz Outer Full Ant1



n71 15kHz SISO NTN 15MHz DFT-s-OFDM QPSK 670.5MHz Outer Full Ant1



n71 15kHz SISO NTN 15MHz DFT-s-OFDM QPSK 680.5MHz Outer Full Ant1



n71 15kHz SISO NTN 15MHz DFT-s-OFDM QPSK 690.5MHz Outer Full Ant1

