

# 1. Effective (Isotropic) Radiated Power Output Data

## 1.1 Test Result

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

| 5G NR n26a 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               | 816.5           | Edge_1RB_Left   | 23.03                | /    | /   | 17.88    | /    | /   | <=38.45 | Pass    |
|                                    |                 | Edge_1RB_Right  | 23.01                | /    | /   | 17.86    | /    | /   | <=38.45 | Pass    |
|                                    |                 | Outer_Full      | 23.12                | /    | /   | 17.97    | /    | /   | <=38.45 | Pass    |
|                                    |                 | Inner_Full      | 23.06                | /    | /   | 17.91    | /    | /   | <=38.45 | Pass    |
|                                    |                 | Inner_1RB_Left  | 23.05                | /    | /   | 17.90    | /    | /   | <=38.45 | Pass    |
|                                    |                 | Inner_1RB_Right | 22.97                | /    | /   | 17.82    | /    | /   | <=38.45 | Pass    |
|                                    | 819             | Edge_1RB_Left   | 23.07                | /    | /   | 17.92    | /    | /   | <=38.45 | Pass    |
|                                    |                 | Edge_1RB_Right  | 23.23                | /    | /   | 18.08    | /    | /   | <=38.45 | Pass    |
|                                    |                 | Outer_Full      | 23.19                | /    | /   | 18.04    | /    | /   | <=38.45 | Pass    |
|                                    |                 | Inner_Full      | 23.21                | /    | /   | 18.06    | /    | /   | <=38.45 | Pass    |
|                                    |                 | Inner_1RB_Left  | 23.10                | /    | /   | 17.95    | /    | /   | <=38.45 | Pass    |
|                                    |                 | Inner_1RB_Right | 23.18                | /    | /   | 18.03    | /    | /   | <=38.45 | Pass    |
|                                    | 821.5           | Edge_1RB_Left   | 23.17                | /    | /   | 18.02    | /    | /   | <=38.45 | Pass    |
|                                    |                 | Edge_1RB_Right  | 23.26                | /    | /   | 18.11    | /    | /   | <=38.45 | Pass    |
|                                    |                 | Outer_Full      | 23.32                | /    | /   | 18.17    | /    | /   | <=38.45 | Pass    |
|                                    |                 | Inner_Full      | 23.24                | /    | /   | 18.09    | /    | /   | <=38.45 | Pass    |
|                                    |                 | Inner_1RB_Left  | 23.14                | /    | /   | 17.99    | /    | /   | <=38.45 | Pass    |
|                                    |                 | Inner_1RB_Right | 23.24                | /    | /   | 18.09    | /    | /   | <=38.45 | Pass    |
| DFT-s-OFDM QPSK                    | 816.5           | Edge_1RB_Left   | 23.11                | /    | /   | 17.96    | /    | /   | <=38.45 | Pass    |
|                                    |                 | Edge_1RB_Right  | 23.47                | /    | /   | 18.32    | /    | /   | <=38.45 | Pass    |
|                                    |                 | Outer_Full      | 22.99                | /    | /   | 17.84    | /    | /   | <=38.45 | Pass    |
|                                    |                 | Inner_Full      | 23.16                | /    | /   | 18.01    | /    | /   | <=38.45 | Pass    |
|                                    |                 | Inner_1RB_Left  | 23.00                | /    | /   | 17.85    | /    | /   | <=38.45 | Pass    |
|                                    |                 | Inner_1RB_Right | 23.26                | /    | /   | 18.11    | /    | /   | <=38.45 | Pass    |
|                                    | 819             | Edge_1RB_Left   | 23.09                | /    | /   | 17.94    | /    | /   | <=38.45 | Pass    |
|                                    |                 | Edge_1RB_Right  | 23.29                | /    | /   | 18.14    | /    | /   | <=38.45 | Pass    |
|                                    |                 | Outer_Full      | 23.27                | /    | /   | 18.12    | /    | /   | <=38.45 | Pass    |
|                                    |                 | Inner_Full      | 23.30                | /    | /   | 18.15    | /    | /   | <=38.45 | Pass    |
|                                    |                 | Inner_1RB_Left  | 23.24                | /    | /   | 18.09    | /    | /   | <=38.45 | Pass    |
|                                    |                 | Inner_1RB_Right | 23.25                | /    | /   | 18.10    | /    | /   | <=38.45 | Pass    |
|                                    | 821.5           | Edge_1RB_Left   | 23.15                | /    | /   | 18.00    | /    | /   | <=38.45 | Pass    |
|                                    |                 | Edge_1RB_Right  | 23.32                | /    | /   | 18.17    | /    | /   | <=38.45 | Pass    |
|                                    |                 | Outer_Full      | 23.26                | /    | /   | 18.11    | /    | /   | <=38.45 | Pass    |
|                                    |                 | Inner_Full      | 23.24                | /    | /   | 18.09    | /    | /   | <=38.45 | Pass    |
|                                    |                 | Inner_1RB_Left  | 23.27                | /    | /   | 18.12    | /    | /   | <=38.45 | Pass    |
|                                    |                 | Inner_1RB_Right | 23.47                | /    | /   | 18.32    | /    | /   | <=38.45 | Pass    |
| DFT-s-OFDM 16 QAM                  | 816.5           | Edge_1RB_Left   | 22.26                | /    | /   | 17.11    | /    | /   | <=38.45 | Pass    |
|                                    |                 | Edge_1RB_Right  | 22.27                | /    | /   | 17.12    | /    | /   | <=38.45 | Pass    |
|                                    |                 | Outer_Full      | 22.18                | /    | /   | 17.03    | /    | /   | <=38.45 | Pass    |
|                                    |                 | Inner_Full      | 23.06                | /    | /   | 17.91    | /    | /   | <=38.45 | Pass    |
|                                    |                 | Inner_1RB_Left  | 23.24                | /    | /   | 18.09    | /    | /   | <=38.45 | Pass    |
|                                    |                 | Inner_1RB_Right | 23.18                | /    | /   | 18.03    | /    | /   | <=38.45 | Pass    |
|                                    | 819             | Edge_1RB_Left   | 22.10                | /    | /   | 16.95    | /    | /   | <=38.45 | Pass    |
|                                    |                 | Edge_1RB_Right  | 22.25                | /    | /   | 17.10    | /    | /   | <=38.45 | Pass    |
|                                    |                 | Outer_Full      | 22.25                | /    | /   | 17.10    | /    | /   | <=38.45 | Pass    |
|                                    |                 | Inner_Full      | 23.09                | /    | /   | 17.94    | /    | /   | <=38.45 | Pass    |
|                                    |                 | Inner_1RB_Left  | 23.22                | /    | /   | 18.07    | /    | /   | <=38.45 | Pass    |
|                                    |                 | Inner_1RB_Right | 23.32                | /    | /   | 18.17    | /    | /   | <=38.45 | Pass    |
|                                    | 821.5           | Edge_1RB_Left   | 22.29                | /    | /   | 17.14    | /    | /   | <=38.45 | Pass    |

|                    |       |                 |       |   |   |       |   |   |         |      |
|--------------------|-------|-----------------|-------|---|---|-------|---|---|---------|------|
|                    |       | Edge_1RB_Right  | 22.25 | / | / | 17.10 | / | / | <=38.45 | Pass |
|                    |       | Outer_Full      | 22.19 | / | / | 17.04 | / | / | <=38.45 | Pass |
|                    |       | Inner_Full      | 23.07 | / | / | 17.92 | / | / | <=38.45 | Pass |
|                    |       | Inner_1RB_Left  | 23.28 | / | / | 18.13 | / | / | <=38.45 | Pass |
|                    |       | Inner_1RB_Right | 23.28 | / | / | 18.13 | / | / | <=38.45 | Pass |
| DFT-s-OFDM 64 QAM  | 816.5 | Edge_1RB_Left   | 21.83 | / | / | 16.68 | / | / | <=38.45 | Pass |
|                    |       | Edge_1RB_Right  | 21.68 | / | / | 16.53 | / | / | <=38.45 | Pass |
|                    |       | Outer_Full      | 21.78 | / | / | 16.63 | / | / | <=38.45 | Pass |
|                    |       | Inner_Full      | 21.73 | / | / | 16.58 | / | / | <=38.45 | Pass |
|                    |       | Inner_1RB_Left  | 21.86 | / | / | 16.71 | / | / | <=38.45 | Pass |
|                    |       | Inner_1RB_Right | 21.77 | / | / | 16.62 | / | / | <=38.45 | Pass |
|                    | 819   | Edge_1RB_Left   | 21.75 | / | / | 16.60 | / | / | <=38.45 | Pass |
|                    |       | Edge_1RB_Right  | 21.79 | / | / | 16.64 | / | / | <=38.45 | Pass |
|                    |       | Outer_Full      | 21.86 | / | / | 16.71 | / | / | <=38.45 | Pass |
|                    |       | Inner_Full      | 21.72 | / | / | 16.57 | / | / | <=38.45 | Pass |
|                    |       | Inner_1RB_Left  | 21.65 | / | / | 16.50 | / | / | <=38.45 | Pass |
|                    |       | Inner_1RB_Right | 21.81 | / | / | 16.66 | / | / | <=38.45 | Pass |
|                    | 821.5 | Edge_1RB_Left   | 21.89 | / | / | 16.74 | / | / | <=38.45 | Pass |
|                    |       | Edge_1RB_Right  | 21.90 | / | / | 16.75 | / | / | <=38.45 | Pass |
|                    |       | Outer_Full      | 21.86 | / | / | 16.71 | / | / | <=38.45 | Pass |
|                    |       | Inner_Full      | 21.81 | / | / | 16.66 | / | / | <=38.45 | Pass |
|                    |       | Inner_1RB_Left  | 21.91 | / | / | 16.76 | / | / | <=38.45 | Pass |
|                    |       | Inner_1RB_Right | 21.97 | / | / | 16.82 | / | / | <=38.45 | Pass |
| DFT-s-OFDM 256 QAM | 816.5 | Edge_1RB_Left   | 19.35 | / | / | 14.20 | / | / | <=38.45 | Pass |
|                    |       | Edge_1RB_Right  | 19.49 | / | / | 14.34 | / | / | <=38.45 | Pass |
|                    |       | Outer_Full      | 19.58 | / | / | 14.43 | / | / | <=38.45 | Pass |
|                    |       | Inner_Full      | 19.51 | / | / | 14.36 | / | / | <=38.45 | Pass |
|                    |       | Inner_1RB_Left  | 19.37 | / | / | 14.22 | / | / | <=38.45 | Pass |
|                    |       | Inner_1RB_Right | 19.36 | / | / | 14.21 | / | / | <=38.45 | Pass |
|                    | 819   | Edge_1RB_Left   | 19.31 | / | / | 14.16 | / | / | <=38.45 | Pass |
|                    |       | Edge_1RB_Right  | 19.50 | / | / | 14.35 | / | / | <=38.45 | Pass |
|                    |       | Outer_Full      | 19.63 | / | / | 14.48 | / | / | <=38.45 | Pass |
|                    |       | Inner_Full      | 19.65 | / | / | 14.50 | / | / | <=38.45 | Pass |
|                    |       | Inner_1RB_Left  | 19.37 | / | / | 14.22 | / | / | <=38.45 | Pass |
|                    |       | Inner_1RB_Right | 19.50 | / | / | 14.35 | / | / | <=38.45 | Pass |
|                    | 821.5 | Edge_1RB_Left   | 19.46 | / | / | 14.31 | / | / | <=38.45 | Pass |
|                    |       | Edge_1RB_Right  | 19.51 | / | / | 14.36 | / | / | <=38.45 | Pass |
|                    |       | Outer_Full      | 19.68 | / | / | 14.53 | / | / | <=38.45 | Pass |
|                    |       | Inner_Full      | 19.65 | / | / | 14.50 | / | / | <=38.45 | Pass |
|                    |       | Inner_1RB_Left  | 19.49 | / | / | 14.34 | / | / | <=38.45 | Pass |
|                    |       | Inner_1RB_Right | 19.55 | / | / | 14.40 | / | / | <=38.45 | Pass |
| CP-OFDM QPSK       | 816.5 | Edge_1RB_Left   | 21.24 | / | / | 16.09 | / | / | <=38.45 | Pass |
|                    |       | Edge_1RB_Right  | 21.27 | / | / | 16.12 | / | / | <=38.45 | Pass |
|                    |       | Outer_Full      | 21.13 | / | / | 15.98 | / | / | <=38.45 | Pass |
|                    |       | Inner_Full      | 22.76 | / | / | 17.61 | / | / | <=38.45 | Pass |
|                    |       | Inner_1RB_Left  | 22.87 | / | / | 17.72 | / | / | <=38.45 | Pass |
|                    |       | Inner_1RB_Right | 22.71 | / | / | 17.56 | / | / | <=38.45 | Pass |
|                    | 819   | Edge_1RB_Left   | 21.13 | / | / | 15.98 | / | / | <=38.45 | Pass |
|                    |       | Edge_1RB_Right  | 21.29 | / | / | 16.14 | / | / | <=38.45 | Pass |
|                    |       | Outer_Full      | 21.26 | / | / | 16.11 | / | / | <=38.45 | Pass |
|                    |       | Inner_Full      | 22.85 | / | / | 17.70 | / | / | <=38.45 | Pass |
|                    |       | Inner_1RB_Left  | 22.70 | / | / | 17.55 | / | / | <=38.45 | Pass |
|                    |       | Inner_1RB_Right | 22.82 | / | / | 17.67 | / | / | <=38.45 | Pass |
|                    | 821.5 | Edge_1RB_Left   | 21.26 | / | / | 16.11 | / | / | <=38.45 | Pass |
|                    |       | Edge_1RB_Right  | 21.24 | / | / | 16.09 | / | / | <=38.45 | Pass |
|                    |       | Outer_Full      | 21.21 | / | / | 16.06 | / | / | <=38.45 | Pass |
|                    |       | Inner_Full      | 22.69 | / | / | 17.54 | / | / | <=38.45 | Pass |
|                    |       | Inner_1RB_Left  | 22.71 | / | / | 17.56 | / | / | <=38.45 | Pass |
|                    |       | Inner_1RB_Right | 22.84 | / | / | 17.69 | / | / | <=38.45 | Pass |

|                                                                                  |       |                 |       |   |   |       |   |   |         |      |
|----------------------------------------------------------------------------------|-------|-----------------|-------|---|---|-------|---|---|---------|------|
| CP-OFDM 16 QAM                                                                   | 816.5 | Edge_1RB_Left   | 21.28 | / | / | 16.13 | / | / | <=38.45 | Pass |
|                                                                                  |       | Edge_1RB_Right  | 21.33 | / | / | 16.18 | / | / | <=38.45 | Pass |
|                                                                                  |       | Outer_Full      | 21.13 | / | / | 15.98 | / | / | <=38.45 | Pass |
|                                                                                  |       | Inner_Full      | 22.13 | / | / | 16.98 | / | / | <=38.45 | Pass |
|                                                                                  |       | Inner_1RB_Left  | 22.12 | / | / | 16.97 | / | / | <=38.45 | Pass |
|                                                                                  |       | Inner_1RB_Right | 22.13 | / | / | 16.98 | / | / | <=38.45 | Pass |
|                                                                                  | 819   | Edge_1RB_Left   | 21.21 | / | / | 16.06 | / | / | <=38.45 | Pass |
|                                                                                  |       | Edge_1RB_Right  | 21.26 | / | / | 16.11 | / | / | <=38.45 | Pass |
|                                                                                  |       | Outer_Full      | 21.16 | / | / | 16.01 | / | / | <=38.45 | Pass |
|                                                                                  |       | Inner_Full      | 22.23 | / | / | 17.08 | / | / | <=38.45 | Pass |
|                                                                                  |       | Inner_1RB_Left  | 22.28 | / | / | 17.13 | / | / | <=38.45 | Pass |
|                                                                                  |       | Inner_1RB_Right | 22.43 | / | / | 17.28 | / | / | <=38.45 | Pass |
|                                                                                  | 821.5 | Edge_1RB_Left   | 21.29 | / | / | 16.14 | / | / | <=38.45 | Pass |
|                                                                                  |       | Edge_1RB_Right  | 21.34 | / | / | 16.19 | / | / | <=38.45 | Pass |
|                                                                                  |       | Outer_Full      | 21.18 | / | / | 16.03 | / | / | <=38.45 | Pass |
|                                                                                  |       | Inner_Full      | 22.21 | / | / | 17.06 | / | / | <=38.45 | Pass |
|                                                                                  |       | Inner_1RB_Left  | 22.15 | / | / | 17.00 | / | / | <=38.45 | Pass |
|                                                                                  |       | Inner_1RB_Right | 22.21 | / | / | 17.06 | / | / | <=38.45 | Pass |
| CP-OFDM 64 QAM                                                                   | 816.5 | Edge_1RB_Left   | 20.63 | / | / | 15.48 | / | / | <=38.45 | Pass |
|                                                                                  |       | Edge_1RB_Right  | 20.71 | / | / | 15.56 | / | / | <=38.45 | Pass |
|                                                                                  |       | Outer_Full      | 20.68 | / | / | 15.53 | / | / | <=38.45 | Pass |
|                                                                                  |       | Inner_Full      | 20.67 | / | / | 15.52 | / | / | <=38.45 | Pass |
|                                                                                  |       | Inner_1RB_Left  | 20.65 | / | / | 15.50 | / | / | <=38.45 | Pass |
|                                                                                  |       | Inner_1RB_Right | 20.57 | / | / | 15.42 | / | / | <=38.45 | Pass |
|                                                                                  | 819   | Edge_1RB_Left   | 20.76 | / | / | 15.61 | / | / | <=38.45 | Pass |
|                                                                                  |       | Edge_1RB_Right  | 20.81 | / | / | 15.66 | / | / | <=38.45 | Pass |
|                                                                                  |       | Outer_Full      | 20.84 | / | / | 15.69 | / | / | <=38.45 | Pass |
|                                                                                  |       | Inner_Full      | 20.70 | / | / | 15.55 | / | / | <=38.45 | Pass |
|                                                                                  |       | Inner_1RB_Left  | 20.76 | / | / | 15.61 | / | / | <=38.45 | Pass |
|                                                                                  |       | Inner_1RB_Right | 20.90 | / | / | 15.75 | / | / | <=38.45 | Pass |
|                                                                                  | 821.5 | Edge_1RB_Left   | 20.77 | / | / | 15.62 | / | / | <=38.45 | Pass |
|                                                                                  |       | Edge_1RB_Right  | 20.75 | / | / | 15.60 | / | / | <=38.45 | Pass |
|                                                                                  |       | Outer_Full      | 20.83 | / | / | 15.68 | / | / | <=38.45 | Pass |
|                                                                                  |       | Inner_Full      | 20.71 | / | / | 15.56 | / | / | <=38.45 | Pass |
|                                                                                  |       | Inner_1RB_Left  | 20.75 | / | / | 15.60 | / | / | <=38.45 | Pass |
|                                                                                  |       | Inner_1RB_Right | 20.76 | / | / | 15.61 | / | / | <=38.45 | Pass |
| CP-OFDM 256 QAM                                                                  | 816.5 | Edge_1RB_Left   | 17.40 | / | / | 12.25 | / | / | <=38.45 | Pass |
|                                                                                  |       | Edge_1RB_Right  | 17.33 | / | / | 12.18 | / | / | <=38.45 | Pass |
|                                                                                  |       | Outer_Full      | 17.65 | / | / | 12.50 | / | / | <=38.45 | Pass |
|                                                                                  |       | Inner_Full      | 17.59 | / | / | 12.44 | / | / | <=38.45 | Pass |
|                                                                                  |       | Inner_1RB_Left  | 17.37 | / | / | 12.22 | / | / | <=38.45 | Pass |
|                                                                                  |       | Inner_1RB_Right | 17.28 | / | / | 12.13 | / | / | <=38.45 | Pass |
|                                                                                  | 819   | Edge_1RB_Left   | 17.27 | / | / | 12.12 | / | / | <=38.45 | Pass |
|                                                                                  |       | Edge_1RB_Right  | 17.42 | / | / | 12.27 | / | / | <=38.45 | Pass |
|                                                                                  |       | Outer_Full      | 17.70 | / | / | 12.55 | / | / | <=38.45 | Pass |
|                                                                                  |       | Inner_Full      | 17.67 | / | / | 12.52 | / | / | <=38.45 | Pass |
|                                                                                  |       | Inner_1RB_Left  | 17.26 | / | / | 12.11 | / | / | <=38.45 | Pass |
|                                                                                  |       | Inner_1RB_Right | 17.46 | / | / | 12.31 | / | / | <=38.45 | Pass |
|                                                                                  | 821.5 | Edge_1RB_Left   | 17.46 | / | / | 12.31 | / | / | <=38.45 | Pass |
|                                                                                  |       | Edge_1RB_Right  | 17.41 | / | / | 12.26 | / | / | <=38.45 | Pass |
|                                                                                  |       | Outer_Full      | 17.64 | / | / | 12.49 | / | / | <=38.45 | Pass |
|                                                                                  |       | Inner_Full      | 17.68 | / | / | 12.53 | / | / | <=38.45 | Pass |
|                                                                                  |       | Inner_1RB_Left  | 17.39 | / | / | 12.24 | / | / | <=38.45 | Pass |
|                                                                                  |       | Inner_1RB_Right | 17.52 | / | / | 12.37 | / | / | <=38.45 | Pass |
| Note1: Antenna Gain: Ant1: -3.00dBi;<br>Note2: EIRP=Conducted Power+Antenna Gain |       |                 |       |   |   |       |   |   |         |      |

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

| 5G NR n26a 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                | 819             | Edge_1RB_Left   | 23.18                | /    | /   | 18.03    | /    | /   | <=38.45 | Pass    |
|                                     |                 | Edge_1RB_Right  | 23.22                | /    | /   | 18.07    | /    | /   | <=38.45 | Pass    |
|                                     |                 | Outer_Full      | 23.19                | /    | /   | 18.04    | /    | /   | <=38.45 | Pass    |
|                                     |                 | Inner_Full      | 23.23                | /    | /   | 18.08    | /    | /   | <=38.45 | Pass    |
|                                     |                 | Inner_1RB_Left  | 23.13                | /    | /   | 17.98    | /    | /   | <=38.45 | Pass    |
|                                     |                 | Inner_1RB_Right | 23.20                | /    | /   | 18.05    | /    | /   | <=38.45 | Pass    |
|                                     | 819             | Edge_1RB_Left   | 23.13                | /    | /   | 17.98    | /    | /   | <=38.45 | Pass    |
|                                     |                 | Edge_1RB_Right  | 23.23                | /    | /   | 18.08    | /    | /   | <=38.45 | Pass    |
|                                     |                 | Outer_Full      | 23.17                | /    | /   | 18.02    | /    | /   | <=38.45 | Pass    |
|                                     |                 | Inner_Full      | 23.25                | /    | /   | 18.10    | /    | /   | <=38.45 | Pass    |
|                                     |                 | Inner_1RB_Left  | 23.14                | /    | /   | 17.99    | /    | /   | <=38.45 | Pass    |
|                                     |                 | Inner_1RB_Right | 23.22                | /    | /   | 18.07    | /    | /   | <=38.45 | Pass    |
|                                     | 819             | Edge_1RB_Left   | 23.16                | /    | /   | 18.01    | /    | /   | <=38.45 | Pass    |
|                                     |                 | Edge_1RB_Right  | 23.24                | /    | /   | 18.09    | /    | /   | <=38.45 | Pass    |
|                                     |                 | Outer_Full      | 23.25                | /    | /   | 18.10    | /    | /   | <=38.45 | Pass    |
|                                     |                 | Inner_Full      | 23.25                | /    | /   | 18.10    | /    | /   | <=38.45 | Pass    |
|                                     |                 | Inner_1RB_Left  | 23.14                | /    | /   | 17.99    | /    | /   | <=38.45 | Pass    |
|                                     |                 | Inner_1RB_Right | 23.22                | /    | /   | 18.07    | /    | /   | <=38.45 | Pass    |
| DFT-s-OFDM QPSK                     | 819             | Edge_1RB_Left   | 23.15                | /    | /   | 18.00    | /    | /   | <=38.45 | Pass    |
|                                     |                 | Edge_1RB_Right  | 23.22                | /    | /   | 18.07    | /    | /   | <=38.45 | Pass    |
|                                     |                 | Outer_Full      | 23.28                | /    | /   | 18.13    | /    | /   | <=38.45 | Pass    |
|                                     |                 | Inner_Full      | 23.24                | /    | /   | 18.09    | /    | /   | <=38.45 | Pass    |
|                                     |                 | Inner_1RB_Left  | 23.24                | /    | /   | 18.09    | /    | /   | <=38.45 | Pass    |
|                                     |                 | Inner_1RB_Right | 23.43                | /    | /   | 18.28    | /    | /   | <=38.45 | Pass    |
|                                     | 819             | Edge_1RB_Left   | 23.24                | /    | /   | 18.09    | /    | /   | <=38.45 | Pass    |
|                                     |                 | Edge_1RB_Right  | 23.29                | /    | /   | 18.14    | /    | /   | <=38.45 | Pass    |
|                                     |                 | Outer_Full      | 23.28                | /    | /   | 18.13    | /    | /   | <=38.45 | Pass    |
|                                     |                 | Inner_Full      | 23.23                | /    | /   | 18.08    | /    | /   | <=38.45 | Pass    |
|                                     |                 | Inner_1RB_Left  | 23.21                | /    | /   | 18.06    | /    | /   | <=38.45 | Pass    |
|                                     |                 | Inner_1RB_Right | 23.35                | /    | /   | 18.20    | /    | /   | <=38.45 | Pass    |
|                                     | 819             | Edge_1RB_Left   | 23.19                | /    | /   | 18.04    | /    | /   | <=38.45 | Pass    |
|                                     |                 | Edge_1RB_Right  | 23.31                | /    | /   | 18.16    | /    | /   | <=38.45 | Pass    |
|                                     |                 | Outer_Full      | 23.29                | /    | /   | 18.14    | /    | /   | <=38.45 | Pass    |
|                                     |                 | Inner_Full      | 23.25                | /    | /   | 18.10    | /    | /   | <=38.45 | Pass    |
|                                     |                 | Inner_1RB_Left  | 23.30                | /    | /   | 18.15    | /    | /   | <=38.45 | Pass    |
|                                     |                 | Inner_1RB_Right | 23.44                | /    | /   | 18.29    | /    | /   | <=38.45 | Pass    |
| DFT-s-OFDM 16 QAM                   | 819             | Edge_1RB_Left   | 22.23                | /    | /   | 17.08    | /    | /   | <=38.45 | Pass    |
|                                     |                 | Edge_1RB_Right  | 22.34                | /    | /   | 17.19    | /    | /   | <=38.45 | Pass    |
|                                     |                 | Outer_Full      | 22.23                | /    | /   | 17.08    | /    | /   | <=38.45 | Pass    |
|                                     |                 | Inner_Full      | 23.24                | /    | /   | 18.09    | /    | /   | <=38.45 | Pass    |
|                                     |                 | Inner_1RB_Left  | 23.24                | /    | /   | 18.09    | /    | /   | <=38.45 | Pass    |
|                                     |                 | Inner_1RB_Right | 23.36                | /    | /   | 18.21    | /    | /   | <=38.45 | Pass    |
|                                     | 819             | Edge_1RB_Left   | 22.17                | /    | /   | 17.02    | /    | /   | <=38.45 | Pass    |
|                                     |                 | Edge_1RB_Right  | 22.36                | /    | /   | 17.21    | /    | /   | <=38.45 | Pass    |
|                                     |                 | Outer_Full      | 22.23                | /    | /   | 17.08    | /    | /   | <=38.45 | Pass    |
|                                     |                 | Inner_Full      | 23.24                | /    | /   | 18.09    | /    | /   | <=38.45 | Pass    |
|                                     |                 | Inner_1RB_Left  | 23.21                | /    | /   | 18.06    | /    | /   | <=38.45 | Pass    |
|                                     |                 | Inner_1RB_Right | 23.38                | /    | /   | 18.23    | /    | /   | <=38.45 | Pass    |
|                                     | 819             | Edge_1RB_Left   | 22.26                | /    | /   | 17.11    | /    | /   | <=38.45 | Pass    |
|                                     |                 | Edge_1RB_Right  | 22.35                | /    | /   | 17.20    | /    | /   | <=38.45 | Pass    |
|                                     |                 | Outer_Full      | 22.24                | /    | /   | 17.09    | /    | /   | <=38.45 | Pass    |
|                                     |                 | Inner_Full      | 23.25                | /    | /   | 18.10    | /    | /   | <=38.45 | Pass    |
|                                     |                 | Inner_1RB_Left  | 23.24                | /    | /   | 18.09    | /    | /   | <=38.45 | Pass    |
|                                     |                 | Inner_1RB_Right | 23.38                | /    | /   | 18.23    | /    | /   | <=38.45 | Pass    |
| DFT-s-OFDM 64 QAM                   | 819             | Edge_1RB_Left   | 21.81                | /    | /   | 16.66    | /    | /   | <=38.45 | Pass    |
|                                     |                 | Edge_1RB_Right  | 21.91                | /    | /   | 16.76    | /    | /   | <=38.45 | Pass    |

|                    |     |                 |       |   |   |       |   |   |         |      |
|--------------------|-----|-----------------|-------|---|---|-------|---|---|---------|------|
|                    |     | Outer_Full      | 21.78 | / | / | 16.63 | / | / | <=38.45 | Pass |
|                    |     | Inner_Full      | 21.84 | / | / | 16.69 | / | / | <=38.45 | Pass |
|                    |     | Inner_1RB_Left  | 21.74 | / | / | 16.59 | / | / | <=38.45 | Pass |
|                    |     | Inner_1RB_Right | 21.96 | / | / | 16.81 | / | / | <=38.45 | Pass |
|                    | 819 | Edge_1RB_Left   | 21.82 | / | / | 16.67 | / | / | <=38.45 | Pass |
|                    |     | Edge_1RB_Right  | 21.82 | / | / | 16.67 | / | / | <=38.45 | Pass |
|                    |     | Outer_Full      | 21.79 | / | / | 16.64 | / | / | <=38.45 | Pass |
|                    |     | Inner_Full      | 21.84 | / | / | 16.69 | / | / | <=38.45 | Pass |
|                    |     | Inner_1RB_Left  | 21.64 | / | / | 16.49 | / | / | <=38.45 | Pass |
|                    |     | Inner_1RB_Right | 21.81 | / | / | 16.66 | / | / | <=38.45 | Pass |
|                    | 819 | Edge_1RB_Left   | 21.84 | / | / | 16.69 | / | / | <=38.45 | Pass |
|                    |     | Edge_1RB_Right  | 21.85 | / | / | 16.70 | / | / | <=38.45 | Pass |
|                    |     | Outer_Full      | 21.78 | / | / | 16.63 | / | / | <=38.45 | Pass |
|                    |     | Inner_Full      | 21.86 | / | / | 16.71 | / | / | <=38.45 | Pass |
|                    |     | Inner_1RB_Left  | 21.85 | / | / | 16.70 | / | / | <=38.45 | Pass |
|                    |     | Inner_1RB_Right | 21.93 | / | / | 16.78 | / | / | <=38.45 | Pass |
| DFT-s-OFDM 256 QAM | 819 | Edge_1RB_Left   | 19.35 | / | / | 14.20 | / | / | <=38.45 | Pass |
|                    |     | Edge_1RB_Right  | 19.49 | / | / | 14.34 | / | / | <=38.45 | Pass |
|                    |     | Outer_Full      | 19.71 | / | / | 14.56 | / | / | <=38.45 | Pass |
|                    |     | Inner_Full      | 19.71 | / | / | 14.56 | / | / | <=38.45 | Pass |
|                    |     | Inner_1RB_Left  | 19.36 | / | / | 14.21 | / | / | <=38.45 | Pass |
|                    |     | Inner_1RB_Right | 19.53 | / | / | 14.38 | / | / | <=38.45 | Pass |
|                    | 819 | Edge_1RB_Left   | 19.44 | / | / | 14.29 | / | / | <=38.45 | Pass |
|                    |     | Edge_1RB_Right  | 19.49 | / | / | 14.34 | / | / | <=38.45 | Pass |
|                    |     | Outer_Full      | 19.73 | / | / | 14.58 | / | / | <=38.45 | Pass |
|                    |     | Inner_Full      | 19.70 | / | / | 14.55 | / | / | <=38.45 | Pass |
|                    |     | Inner_1RB_Left  | 19.46 | / | / | 14.31 | / | / | <=38.45 | Pass |
|                    |     | Inner_1RB_Right | 19.55 | / | / | 14.40 | / | / | <=38.45 | Pass |
|                    | 819 | Edge_1RB_Left   | 19.42 | / | / | 14.27 | / | / | <=38.45 | Pass |
|                    |     | Edge_1RB_Right  | 19.49 | / | / | 14.34 | / | / | <=38.45 | Pass |
|                    |     | Outer_Full      | 19.72 | / | / | 14.57 | / | / | <=38.45 | Pass |
|                    |     | Inner_Full      | 19.71 | / | / | 14.56 | / | / | <=38.45 | Pass |
|                    |     | Inner_1RB_Left  | 19.36 | / | / | 14.21 | / | / | <=38.45 | Pass |
|                    |     | Inner_1RB_Right | 19.54 | / | / | 14.39 | / | / | <=38.45 | Pass |
| CP-OFDM QPSK       | 819 | Edge_1RB_Left   | 21.14 | / | / | 15.99 | / | / | <=38.45 | Pass |
|                    |     | Edge_1RB_Right  | 21.31 | / | / | 16.16 | / | / | <=38.45 | Pass |
|                    |     | Outer_Full      | 21.44 | / | / | 16.29 | / | / | <=38.45 | Pass |
|                    |     | Inner_Full      | 22.72 | / | / | 17.57 | / | / | <=38.45 | Pass |
|                    |     | Inner_1RB_Left  | 22.70 | / | / | 17.55 | / | / | <=38.45 | Pass |
|                    |     | Inner_1RB_Right | 22.91 | / | / | 17.76 | / | / | <=38.45 | Pass |
|                    | 819 | Edge_1RB_Left   | 21.23 | / | / | 16.08 | / | / | <=38.45 | Pass |
|                    |     | Edge_1RB_Right  | 21.37 | / | / | 16.22 | / | / | <=38.45 | Pass |
|                    |     | Outer_Full      | 21.44 | / | / | 16.29 | / | / | <=38.45 | Pass |
|                    |     | Inner_Full      | 22.73 | / | / | 17.58 | / | / | <=38.45 | Pass |
|                    |     | Inner_1RB_Left  | 22.70 | / | / | 17.55 | / | / | <=38.45 | Pass |
|                    |     | Inner_1RB_Right | 22.81 | / | / | 17.66 | / | / | <=38.45 | Pass |
|                    | 819 | Edge_1RB_Left   | 21.24 | / | / | 16.09 | / | / | <=38.45 | Pass |
|                    |     | Edge_1RB_Right  | 21.29 | / | / | 16.14 | / | / | <=38.45 | Pass |
|                    |     | Outer_Full      | 21.07 | / | / | 15.92 | / | / | <=38.45 | Pass |
|                    |     | Inner_Full      | 22.72 | / | / | 17.57 | / | / | <=38.45 | Pass |
|                    |     | Inner_1RB_Left  | 22.71 | / | / | 17.56 | / | / | <=38.45 | Pass |
|                    |     | Inner_1RB_Right | 22.83 | / | / | 17.68 | / | / | <=38.45 | Pass |
| CP-OFDM 16 QAM     | 819 | Edge_1RB_Left   | 21.11 | / | / | 15.96 | / | / | <=38.45 | Pass |
|                    |     | Edge_1RB_Right  | 21.15 | / | / | 16.00 | / | / | <=38.45 | Pass |
|                    |     | Outer_Full      | 21.26 | / | / | 16.11 | / | / | <=38.45 | Pass |
|                    |     | Inner_Full      | 22.28 | / | / | 17.13 | / | / | <=38.45 | Pass |
|                    |     | Inner_1RB_Left  | 22.14 | / | / | 16.99 | / | / | <=38.45 | Pass |
|                    |     | Inner_1RB_Right | 22.23 | / | / | 17.08 | / | / | <=38.45 | Pass |
|                    | 819 | Edge_1RB_Left   | 21.18 | / | / | 16.03 | / | / | <=38.45 | Pass |

|                                                                                  |     |                 |       |   |   |       |   |   |         |      |
|----------------------------------------------------------------------------------|-----|-----------------|-------|---|---|-------|---|---|---------|------|
|                                                                                  |     | Edge 1RB Right  | 21.21 | / | / | 16.06 | / | / | <=38.45 | Pass |
|                                                                                  |     | Outer Full      | 21.26 | / | / | 16.11 | / | / | <=38.45 | Pass |
|                                                                                  |     | Inner Full      | 22.27 | / | / | 17.12 | / | / | <=38.45 | Pass |
|                                                                                  |     | Inner_1RB_Left  | 22.14 | / | / | 16.99 | / | / | <=38.45 | Pass |
|                                                                                  |     | Inner 1RB Right | 22.23 | / | / | 17.08 | / | / | <=38.45 | Pass |
|                                                                                  | 819 | Edge_1RB_Left   | 21.07 | / | / | 15.92 | / | / | <=38.45 | Pass |
|                                                                                  |     | Edge_1RB_Right  | 21.18 | / | / | 16.03 | / | / | <=38.45 | Pass |
|                                                                                  |     | Outer Full      | 21.24 | / | / | 16.09 | / | / | <=38.45 | Pass |
|                                                                                  |     | Inner Full      | 22.27 | / | / | 17.12 | / | / | <=38.45 | Pass |
|                                                                                  |     | Inner_1RB_Left  | 22.16 | / | / | 17.01 | / | / | <=38.45 | Pass |
| CP-OFDM 64 QAM                                                                   | 819 | Inner_1RB_Right | 22.23 | / | / | 17.08 | / | / | <=38.45 | Pass |
|                                                                                  |     | Edge_1RB_Left   | 20.73 | / | / | 15.58 | / | / | <=38.45 | Pass |
|                                                                                  |     | Edge_1RB_Right  | 20.79 | / | / | 15.64 | / | / | <=38.45 | Pass |
|                                                                                  |     | Outer Full      | 20.70 | / | / | 15.55 | / | / | <=38.45 | Pass |
|                                                                                  |     | Inner Full      | 20.75 | / | / | 15.60 | / | / | <=38.45 | Pass |
|                                                                                  |     | Inner_1RB_Left  | 20.67 | / | / | 15.52 | / | / | <=38.45 | Pass |
|                                                                                  | 819 | Inner_1RB_Right | 20.90 | / | / | 15.75 | / | / | <=38.45 | Pass |
|                                                                                  |     | Edge_1RB_Left   | 20.63 | / | / | 15.48 | / | / | <=38.45 | Pass |
|                                                                                  |     | Edge_1RB_Right  | 20.86 | / | / | 15.71 | / | / | <=38.45 | Pass |
|                                                                                  |     | Outer Full      | 20.77 | / | / | 15.62 | / | / | <=38.45 | Pass |
|                                                                                  |     | Inner Full      | 20.85 | / | / | 15.70 | / | / | <=38.45 | Pass |
|                                                                                  |     | Inner_1RB_Left  | 20.66 | / | / | 15.51 | / | / | <=38.45 | Pass |
|                                                                                  | 819 | Inner_1RB_Right | 20.86 | / | / | 15.71 | / | / | <=38.45 | Pass |
|                                                                                  |     | Edge_1RB_Left   | 20.69 | / | / | 15.54 | / | / | <=38.45 | Pass |
|                                                                                  |     | Edge_1RB_Right  | 20.87 | / | / | 15.72 | / | / | <=38.45 | Pass |
|                                                                                  |     | Outer Full      | 20.67 | / | / | 15.52 | / | / | <=38.45 | Pass |
|                                                                                  |     | Inner Full      | 20.76 | / | / | 15.61 | / | / | <=38.45 | Pass |
|                                                                                  |     | Inner_1RB_Left  | 20.73 | / | / | 15.58 | / | / | <=38.45 | Pass |
| CP-OFDM 256 QAM                                                                  | 819 | Inner_1RB_Right | 20.89 | / | / | 15.74 | / | / | <=38.45 | Pass |
|                                                                                  |     | Edge_1RB_Left   | 17.31 | / | / | 12.16 | / | / | <=38.45 | Pass |
|                                                                                  |     | Edge_1RB_Right  | 17.55 | / | / | 12.40 | / | / | <=38.45 | Pass |
|                                                                                  |     | Outer Full      | 17.81 | / | / | 12.66 | / | / | <=38.45 | Pass |
|                                                                                  |     | Inner Full      | 17.76 | / | / | 12.61 | / | / | <=38.45 | Pass |
|                                                                                  |     | Inner_1RB_Left  | 17.27 | / | / | 12.12 | / | / | <=38.45 | Pass |
|                                                                                  | 819 | Inner_1RB_Right | 17.52 | / | / | 12.37 | / | / | <=38.45 | Pass |
|                                                                                  |     | Edge_1RB_Left   | 17.41 | / | / | 12.26 | / | / | <=38.45 | Pass |
|                                                                                  |     | Edge_1RB_Right  | 17.53 | / | / | 12.38 | / | / | <=38.45 | Pass |
|                                                                                  |     | Outer Full      | 17.81 | / | / | 12.66 | / | / | <=38.45 | Pass |
|                                                                                  |     | Inner Full      | 17.67 | / | / | 12.52 | / | / | <=38.45 | Pass |
|                                                                                  |     | Inner_1RB_Left  | 17.22 | / | / | 12.07 | / | / | <=38.45 | Pass |
|                                                                                  | 819 | Inner_1RB_Right | 17.57 | / | / | 12.42 | / | / | <=38.45 | Pass |
|                                                                                  |     | Edge_1RB_Left   | 17.33 | / | / | 12.18 | / | / | <=38.45 | Pass |
|                                                                                  |     | Edge_1RB_Right  | 17.53 | / | / | 12.38 | / | / | <=38.45 | Pass |
|                                                                                  |     | Outer Full      | 17.82 | / | / | 12.67 | / | / | <=38.45 | Pass |
|                                                                                  |     | Inner Full      | 17.65 | / | / | 12.50 | / | / | <=38.45 | Pass |
|                                                                                  |     | Inner_1RB_Left  | 17.27 | / | / | 12.12 | / | / | <=38.45 | Pass |
| Note1: Antenna Gain: Ant1: -3.00dBi;<br>Note2: EIRP=Conducted Power+Antenna Gain |     |                 |       |   |   |       |   |   |         |      |

## 2. Frequency Stability

### 2.1 Test Result

#### 2.1.1 15k\_SISO\_10MHz

| 5G NR n26a 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 PI/2 BPSK            | 819             | Outer_Full    | 20         | LV    | 0.80             | 0.0010                | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               |            | HV    | -5.70            | -0.0070               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | -30        | NV    | -5.30            | -0.0065               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | -20        | NV    | -4.50            | -0.0055               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | -10        | NV    | -2.30            | -0.0028               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | 0          | NV    | 1.90             | 0.0023                | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | 10         | NV    | -5.90            | -0.0072               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | 20         | NV    | -7.50            | -0.0092               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | 30         | NV    | -5.00            | -0.0061               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | 40         | NV    | -5.70            | -0.0070               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | 50         | NV    | -4.70            | -0.0057               | >=-2.5 & <=2.5 | Pass    |
| DFT-s-OFDM QPSK                 | 819             | Outer_Full    | 20         | LV    | -7.50            | -0.0092               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               |            | HV    | -5.80            | -0.0071               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | -30        | NV    | -3.10            | -0.0038               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | -20        | NV    | -7.60            | -0.0093               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | -10        | NV    | -3.80            | -0.0046               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | 0          | NV    | -4.50            | -0.0055               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | 10         | NV    | -5.50            | -0.0067               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | 20         | NV    | -7.00            | -0.0085               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | 30         | NV    | -9.60            | -0.0117               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | 40         | NV    | -4.40            | -0.0054               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | 50         | NV    | -7.20            | -0.0088               | >=-2.5 & <=2.5 | Pass    |
| DFT-s-OFDM 16 QAM               | 819             | Outer_Full    | 20         | LV    | -5.30            | -0.0065               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               |            | HV    | -6.00            | -0.0073               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | -30        | NV    | -1.10            | -0.0013               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | -20        | NV    | -4.50            | -0.0055               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | -10        | NV    | -5.20            | -0.0063               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | 0          | NV    | -4.50            | -0.0055               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | 10         | NV    | -6.90            | -0.0084               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | 20         | NV    | -6.50            | -0.0079               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | 30         | NV    | -7.20            | -0.0088               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | 40         | NV    | -4.40            | -0.0054               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | 50         | NV    | -3.10            | -0.0038               | >=-2.5 & <=2.5 | Pass    |
| DFT-s-OFDM 64 QAM               | 819             | Outer_Full    | 20         | LV    | -4.00            | -0.0049               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               |            | HV    | -4.20            | -0.0051               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | -30        | NV    | -5.40            | -0.0066               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | -20        | NV    | -6.70            | -0.0082               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | -10        | NV    | -0.70            | -0.0009               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | 0          | NV    | -3.30            | -0.0040               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | 10         | NV    | -4.80            | -0.0059               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | 20         | NV    | -5.10            | -0.0062               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | 30         | NV    | -4.70            | -0.0057               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | 40         | NV    | -3.40            | -0.0042               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | 50         | NV    | -2.80            | -0.0034               | >=-2.5 & <=2.5 | Pass    |
| DFT-s-OFDM 256 QAM              | 819             | Outer_Full    | 20         | LV    | -3.60            | -0.0044               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               |            | HV    | 3.80             | 0.0046                | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | -30        | NV    | -4.80            | -0.0059               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | -20        | NV    | -4.40            | -0.0054               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | -10        | NV    | -4.60            | -0.0056               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | 0          | NV    | -4.60            | -0.0056               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | 10         | NV    | -5.70            | -0.0070               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | 20         | NV    | -4.80            | -0.0059               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | 30         | NV    | 5.80             | 0.0071                | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | 40         | NV    | -4.90            | -0.0060               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | 50         | NV    | -5.50            | -0.0067               | >=-2.5 & <=2.5 | Pass    |
| CP-OFDM QPSK                    | 819             | Outer_Full    | 20         | LV    | 4.00             | 0.0049                | >=-2.5 & <=2.5 | Pass    |

|                 |     |            |     |    |       |         |                |      |
|-----------------|-----|------------|-----|----|-------|---------|----------------|------|
|                 |     |            |     | HV | -3.00 | -0.0037 | >=-2.5 & <=2.5 | Pass |
|                 |     |            | -30 | NV | -5.80 | -0.0071 | >=-2.5 & <=2.5 | Pass |
|                 |     |            | -20 | NV | 2.70  | 0.0033  | >=-2.5 & <=2.5 | Pass |
|                 |     |            | -10 | NV | -5.30 | -0.0065 | >=-2.5 & <=2.5 | Pass |
|                 |     |            | 0   | NV | -7.50 | -0.0092 | >=-2.5 & <=2.5 | Pass |
|                 |     |            | 10  | NV | -1.70 | -0.0021 | >=-2.5 & <=2.5 | Pass |
|                 |     |            | 20  | NV | -2.20 | -0.0027 | >=-2.5 & <=2.5 | Pass |
|                 |     |            | 30  | NV | -2.80 | -0.0034 | >=-2.5 & <=2.5 | Pass |
|                 |     |            | 40  | NV | -5.80 | -0.0071 | >=-2.5 & <=2.5 | Pass |
|                 |     |            | 50  | NV | -4.40 | -0.0054 | >=-2.5 & <=2.5 | Pass |
| CP-OFDM 16 QAM  | 819 | Outer_Full | 20  | LV | -2.20 | -0.0027 | >=-2.5 & <=2.5 | Pass |
|                 |     |            |     | HV | 4.70  | 0.0057  | >=-2.5 & <=2.5 | Pass |
|                 |     |            | -30 | NV | -2.90 | -0.0035 | >=-2.5 & <=2.5 | Pass |
|                 |     |            | -20 | NV | -4.00 | -0.0049 | >=-2.5 & <=2.5 | Pass |
|                 |     |            | -10 | NV | -4.20 | -0.0051 | >=-2.5 & <=2.5 | Pass |
|                 |     |            | 0   | NV | 3.70  | 0.0045  | >=-2.5 & <=2.5 | Pass |
|                 |     |            | 10  | NV | -4.10 | -0.0050 | >=-2.5 & <=2.5 | Pass |
|                 |     |            | 20  | NV | 4.80  | 0.0059  | >=-2.5 & <=2.5 | Pass |
|                 |     |            | 30  | NV | 6.60  | 0.0081  | >=-2.5 & <=2.5 | Pass |
|                 |     |            | 40  | NV | -4.50 | -0.0055 | >=-2.5 & <=2.5 | Pass |
| CP-OFDM 64 QAM  | 819 | Outer_Full | 50  | NV | -4.90 | -0.0060 | >=-2.5 & <=2.5 | Pass |
|                 |     |            | 20  | LV | -3.00 | -0.0037 | >=-2.5 & <=2.5 | Pass |
|                 |     |            |     | HV | -3.60 | -0.0044 | >=-2.5 & <=2.5 | Pass |
|                 |     |            | -30 | NV | 2.70  | 0.0033  | >=-2.5 & <=2.5 | Pass |
|                 |     |            | -20 | NV | -5.70 | -0.0070 | >=-2.5 & <=2.5 | Pass |
|                 |     |            | -10 | NV | 5.30  | 0.0065  | >=-2.5 & <=2.5 | Pass |
|                 |     |            | 0   | NV | -5.80 | -0.0071 | >=-2.5 & <=2.5 | Pass |
|                 |     |            | 10  | NV | -3.50 | -0.0043 | >=-2.5 & <=2.5 | Pass |
|                 |     |            | 20  | NV | -0.60 | -0.0007 | >=-2.5 & <=2.5 | Pass |
|                 |     |            | 30  | NV | -3.40 | -0.0042 | >=-2.5 & <=2.5 | Pass |
| CP-OFDM 256 QAM | 819 | Outer_Full | 40  | NV | -5.40 | -0.0066 | >=-2.5 & <=2.5 | Pass |
|                 |     |            | 50  | NV | -5.20 | -0.0063 | >=-2.5 & <=2.5 | Pass |
|                 |     |            | 20  | LV | -3.70 | -0.0045 | >=-2.5 & <=2.5 | Pass |
|                 |     |            |     | HV | -3.10 | -0.0038 | >=-2.5 & <=2.5 | Pass |
|                 |     |            | -30 | NV | -2.70 | -0.0033 | >=-2.5 & <=2.5 | Pass |
|                 |     |            | -20 | NV | -1.90 | -0.0023 | >=-2.5 & <=2.5 | Pass |
|                 |     |            | -10 | NV | -6.10 | -0.0074 | >=-2.5 & <=2.5 | Pass |
|                 |     |            | 0   | NV | -4.30 | -0.0053 | >=-2.5 & <=2.5 | Pass |
|                 |     |            | 10  | NV | -5.30 | -0.0065 | >=-2.5 & <=2.5 | Pass |
|                 |     |            | 20  | NV | -2.70 | -0.0033 | >=-2.5 & <=2.5 | Pass |
|                 |     |            | 30  | NV | -3.90 | -0.0048 | >=-2.5 & <=2.5 | Pass |
|                 |     |            | 40  | NV | 5.30  | 0.0065  | >=-2.5 & <=2.5 | Pass |
|                 |     |            | 50  | NV | 5.50  | 0.0067  | >=-2.5 & <=2.5 | Pass |

### 3. 99% & 26dB Bandwidth

#### 3.1 Test Result

##### 3.1.1 15k\_SISO\_5MHz\_NTNV

| 5G NR n26a SCS=15kHz SISO 5MHz NTNv |                 |               |                     |                      |             |         |
|-------------------------------------|-----------------|---------------|---------------------|----------------------|-------------|---------|
| Modulation                          | Frequency (MHz) | RB Allocation | 99% Bandwidth (MHz) | 26dB Bandwidth (MHz) | Limit (MHz) | Verdict |
| DFT-s-OFDM PI/2 BPSK                | 816.5           | Outer_Full    | 4.58                | 5.28                 | /           | Pass    |
|                                     | 819             | Outer_Full    | 4.57                | 5.31                 | /           | Pass    |
|                                     | 821.5           | Outer_Full    | 4.58                | 5.28                 | /           | Pass    |

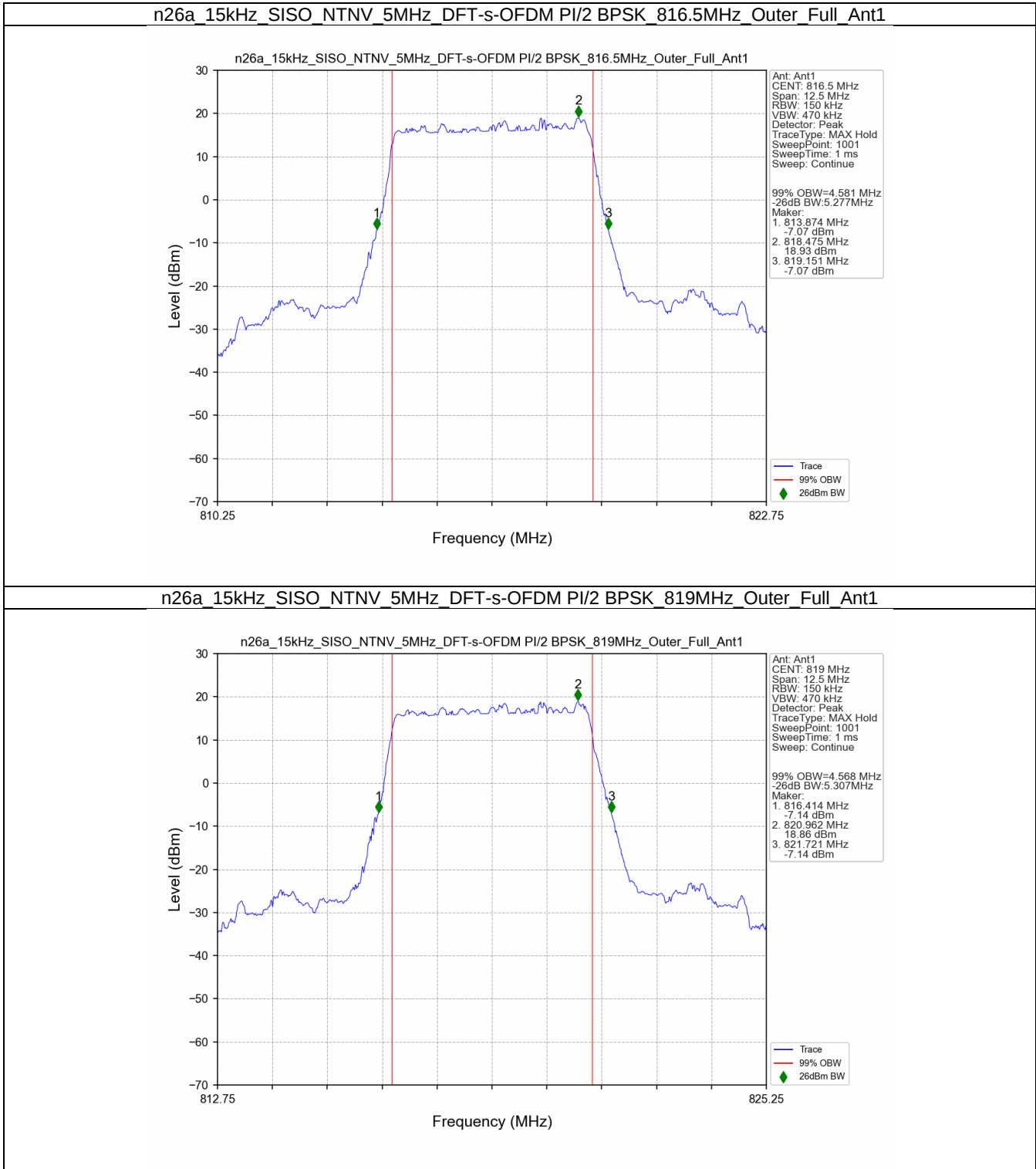
|                    |       |            |      |      |   |      |
|--------------------|-------|------------|------|------|---|------|
| DFT-s-OFDM QPSK    | 816.5 | Outer_Full | 4.57 | 5.43 | / | Pass |
|                    | 819   | Outer_Full | 4.55 | 5.31 | / | Pass |
|                    | 821.5 | Outer_Full | 4.56 | 5.36 | / | Pass |
| DFT-s-OFDM 16 QAM  | 816.5 | Outer_Full | 4.59 | 5.39 | / | Pass |
|                    | 819   | Outer_Full | 4.57 | 5.38 | / | Pass |
|                    | 821.5 | Outer_Full | 4.62 | 5.41 | / | Pass |
| DFT-s-OFDM 64 QAM  | 816.5 | Outer_Full | 4.59 | 5.41 | / | Pass |
|                    | 819   | Outer_Full | 4.53 | 5.23 | / | Pass |
|                    | 821.5 | Outer_Full | 4.57 | 5.28 | / | Pass |
| DFT-s-OFDM 256 QAM | 816.5 | Outer_Full | 4.57 | 5.36 | / | Pass |
|                    | 819   | Outer_Full | 4.63 | 5.45 | / | Pass |
|                    | 821.5 | Outer_Full | 4.57 | 5.36 | / | Pass |
| CP-OFDM QPSK       | 816.5 | Outer_Full | 4.56 | 5.35 | / | Pass |
|                    | 819   | Outer_Full | 4.56 | 5.37 | / | Pass |
|                    | 821.5 | Outer_Full | 4.54 | 5.34 | / | Pass |
| CP-OFDM 16 QAM     | 816.5 | Outer_Full | 4.60 | 5.38 | / | Pass |
|                    | 819   | Outer_Full | 4.59 | 5.46 | / | Pass |
|                    | 821.5 | Outer_Full | 4.56 | 5.30 | / | Pass |
| CP-OFDM 64 QAM     | 816.5 | Outer_Full | 4.52 | 5.26 | / | Pass |
|                    | 819   | Outer_Full | 4.51 | 5.29 | / | Pass |
|                    | 821.5 | Outer_Full | 4.54 | 5.32 | / | Pass |
| CP-OFDM 256 QAM    | 816.5 | Outer_Full | 4.58 | 5.39 | / | Pass |
|                    | 819   | Outer_Full | 4.54 | 5.27 | / | Pass |
|                    | 821.5 | Outer_Full | 4.56 | 5.39 | / | Pass |

### 3.1.2 15k\_SISO\_10MHz\_NTNV

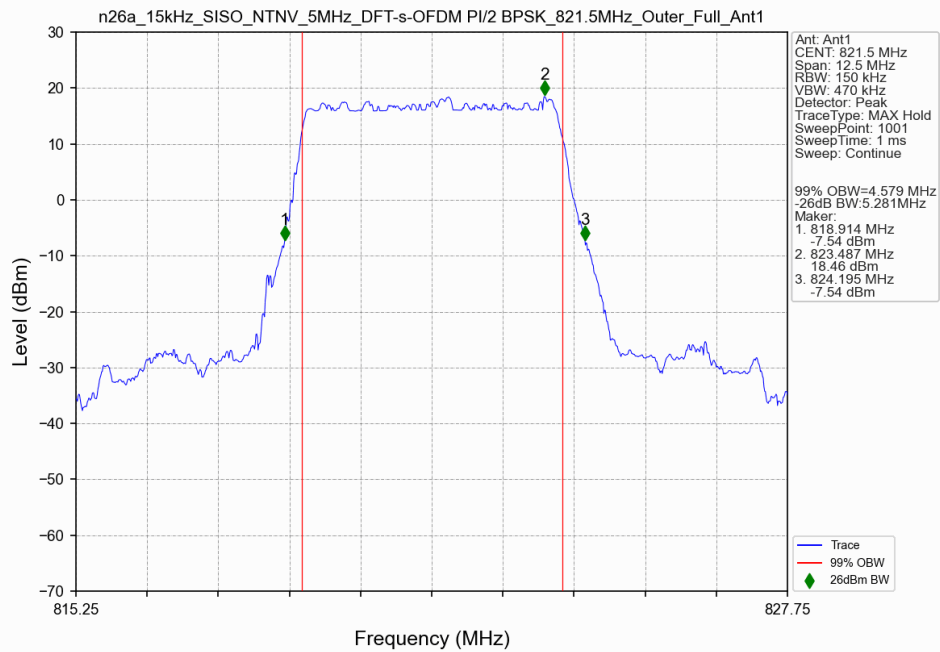
| 5G NR n26a SCS=15kHz SISO 10MHz NTN |                 |               |                     |                      |             |         |
|-------------------------------------|-----------------|---------------|---------------------|----------------------|-------------|---------|
| Modulation                          | Frequency (MHz) | RB Allocation | 99% Bandwidth (MHz) | 26dB Bandwidth (MHz) | Limit (MHz) | Verdict |
| DFT-s-OFDM PI/2 BPSK                | 819             | Outer_Full    | 9.01                | 9.98                 | /           | Pass    |
|                                     | 819             | Outer_Full    | 9.01                | 10.02                | /           | Pass    |
|                                     | 819             | Outer_Full    | 9.01                | 9.94                 | /           | Pass    |
| DFT-s-OFDM QPSK                     | 819             | Outer_Full    | 9.05                | 10.11                | /           | Pass    |
|                                     | 819             | Outer_Full    | 9.04                | 10.10                | /           | Pass    |
|                                     | 819             | Outer_Full    | 9.04                | 10.09                | /           | Pass    |
| DFT-s-OFDM 16 QAM                   | 819             | Outer_Full    | 9.05                | 10.04                | /           | Pass    |
|                                     | 819             | Outer_Full    | 9.04                | 10.03                | /           | Pass    |
|                                     | 819             | Outer_Full    | 9.06                | 10.09                | /           | Pass    |
| DFT-s-OFDM 64 QAM                   | 819             | Outer_Full    | 9.06                | 10.02                | /           | Pass    |
|                                     | 819             | Outer_Full    | 9.05                | 10.04                | /           | Pass    |
|                                     | 819             | Outer_Full    | 9.05                | 10.05                | /           | Pass    |
| DFT-s-OFDM 256 QAM                  | 819             | Outer_Full    | 9.02                | 9.96                 | /           | Pass    |
|                                     | 819             | Outer_Full    | 9.04                | 9.95                 | /           | Pass    |
|                                     | 819             | Outer_Full    | 9.03                | 9.94                 | /           | Pass    |
| CP-OFDM QPSK                        | 819             | Outer_Full    | 9.36                | 10.37                | /           | Pass    |
|                                     | 819             | Outer_Full    | 9.37                | 10.38                | /           | Pass    |
|                                     | 819             | Outer_Full    | 9.37                | 10.39                | /           | Pass    |
| CP-OFDM 16 QAM                      | 819             | Outer_Full    | 9.38                | 10.44                | /           | Pass    |
|                                     | 819             | Outer_Full    | 9.38                | 10.41                | /           | Pass    |
|                                     | 819             | Outer_Full    | 9.38                | 10.45                | /           | Pass    |
| CP-OFDM 64 QAM                      | 819             | Outer_Full    | 9.32                | 10.29                | /           | Pass    |
|                                     | 819             | Outer_Full    | 9.32                | 10.21                | /           | Pass    |
|                                     | 819             | Outer_Full    | 9.32                | 10.29                | /           | Pass    |
| CP-OFDM 256 QAM                     | 819             | Outer_Full    | 9.36                | 10.29                | /           | Pass    |
|                                     | 819             | Outer_Full    | 9.37                | 10.39                | /           | Pass    |
|                                     | 819             | Outer_Full    | 9.37                | 10.30                | /           | Pass    |

3.2 Test Graph

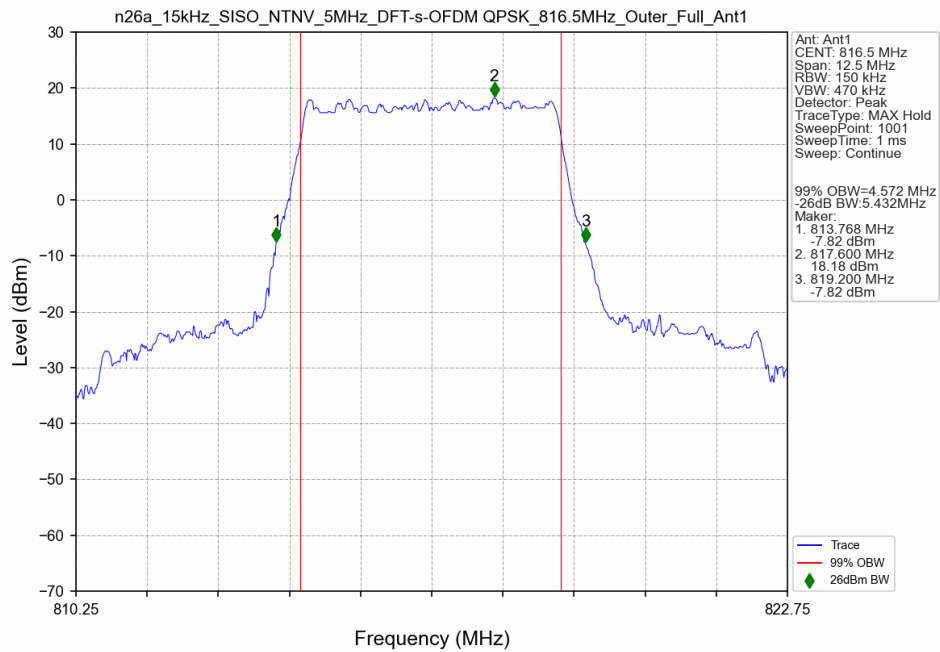
3.2.1 15k\_SISO\_5MHz\_NTNV



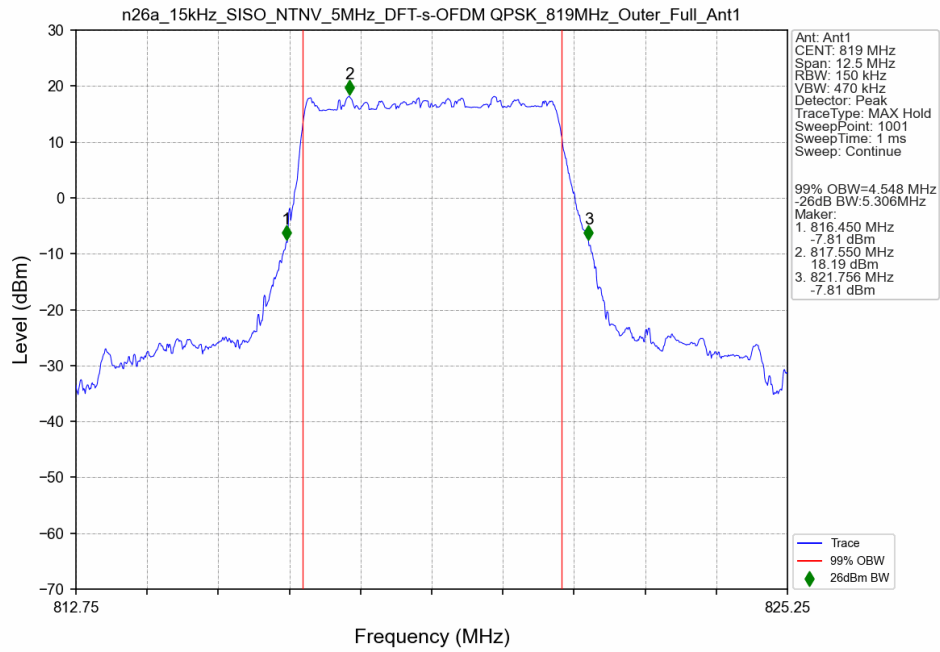
n26a\_15kHz\_SISO\_NTNV\_5MHz\_DFT-s-OFDM\_PI/2\_BPSK\_821.5MHz\_Outer\_Full\_Ant1



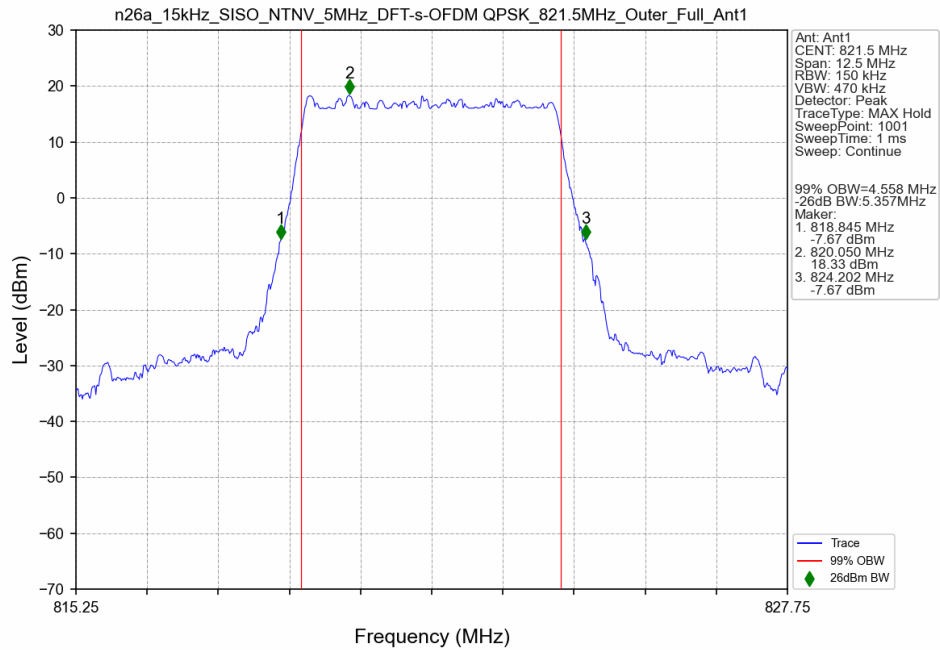
n26a\_15kHz\_SISO\_NTNV\_5MHz\_DFT-s-OFDM\_QPSK\_816.5MHz\_Outer\_Full\_Ant1



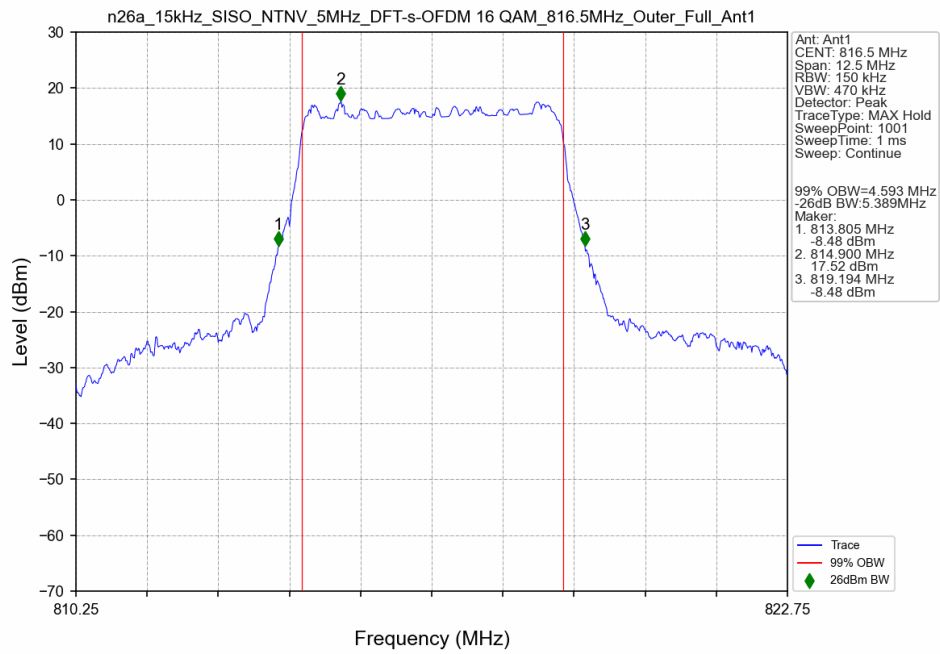
# n26a\_15kHz\_SISO\_NTNV\_5MHz\_DFT-s-OFDM\_QPSK\_819MHz\_Outer\_Full\_Ant1



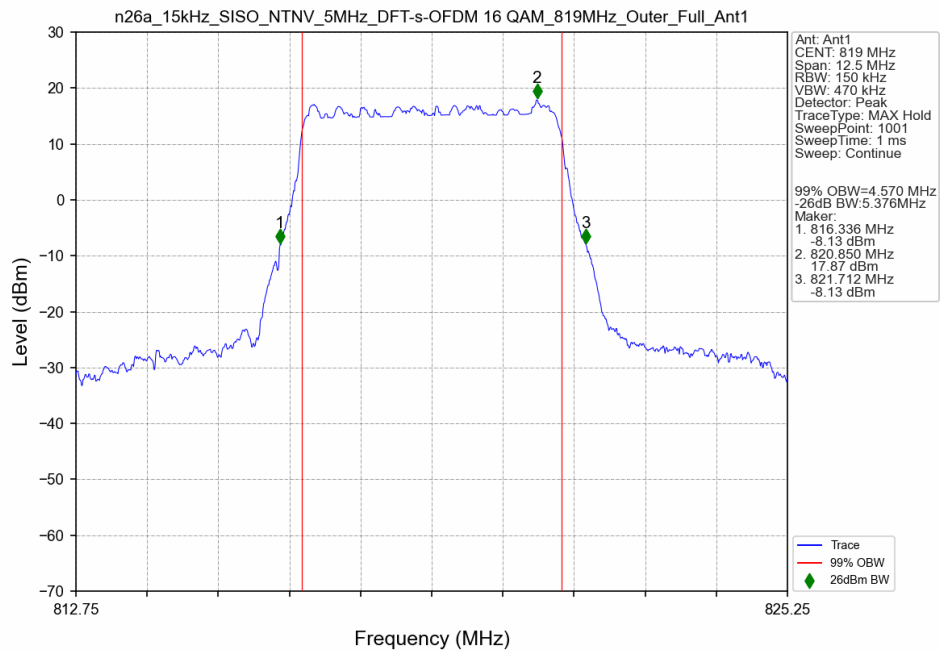
# n26a\_15kHz\_SISO\_NTNV\_5MHz\_DFT-s-OFDM\_QPSK\_821.5MHz\_Outer\_Full\_Ant1



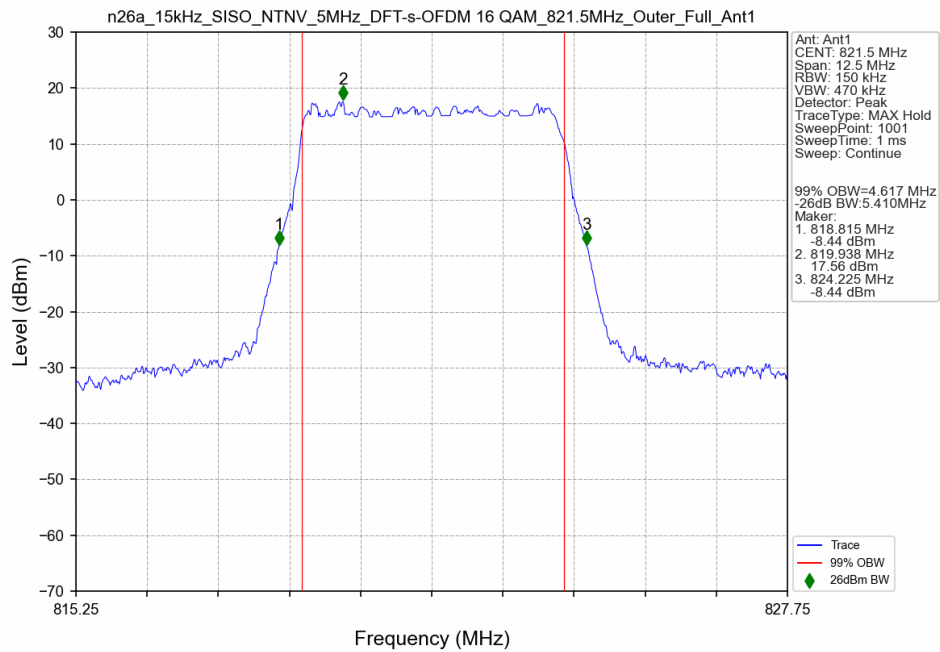
# n26a\_15kHz\_SISO\_NTNV\_5MHz\_DFT-s-OFDM\_16\_QAM\_816.5MHz\_Outer\_Full\_Ant1



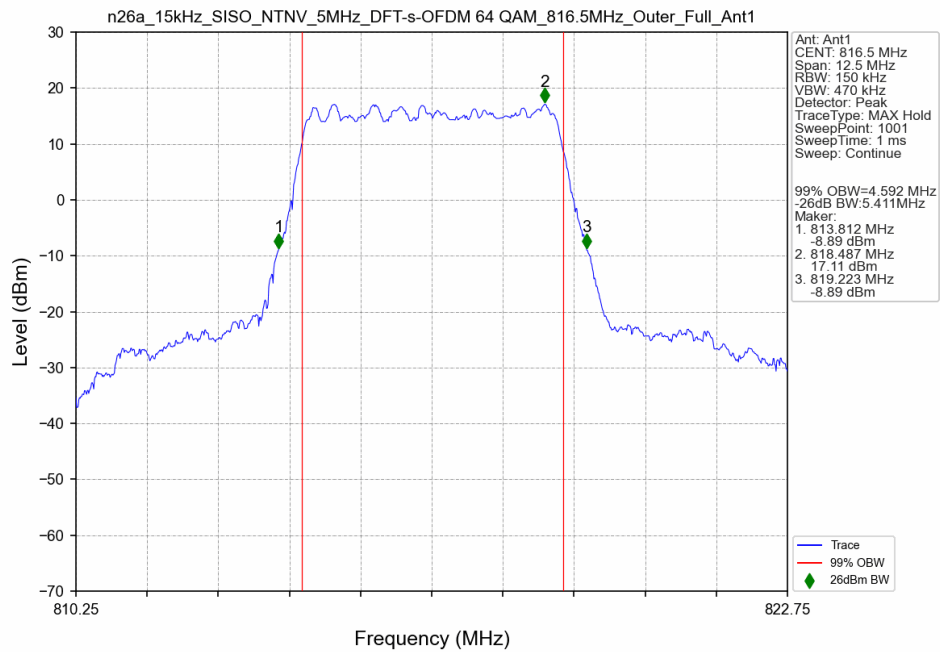
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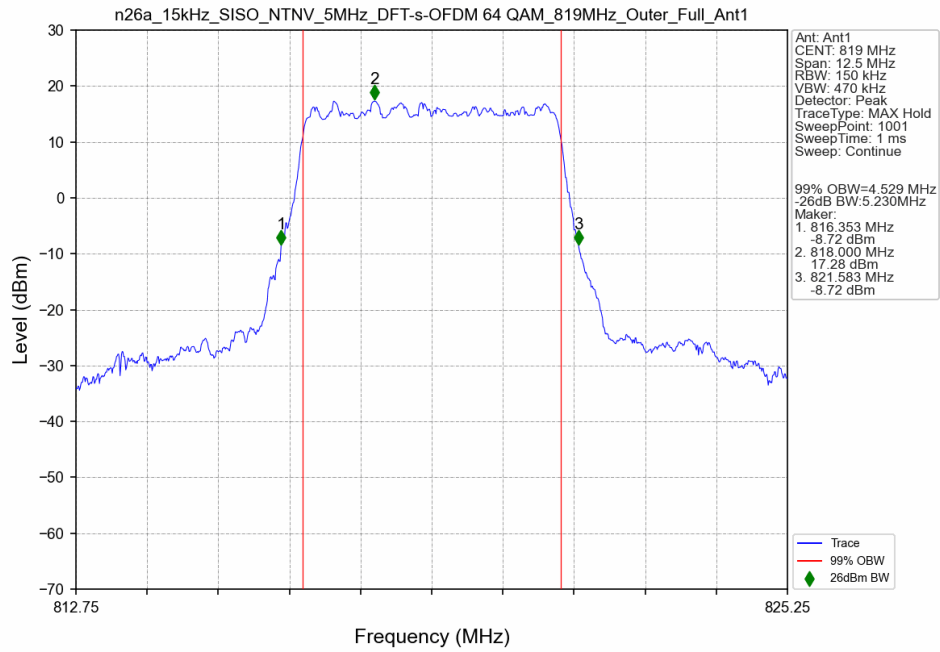
# n26a\_15kHz\_SISO\_NTNV\_5MHz\_DFT-s-OFDM\_16\_QAM\_821.5MHz\_Outer\_Full\_Ant1



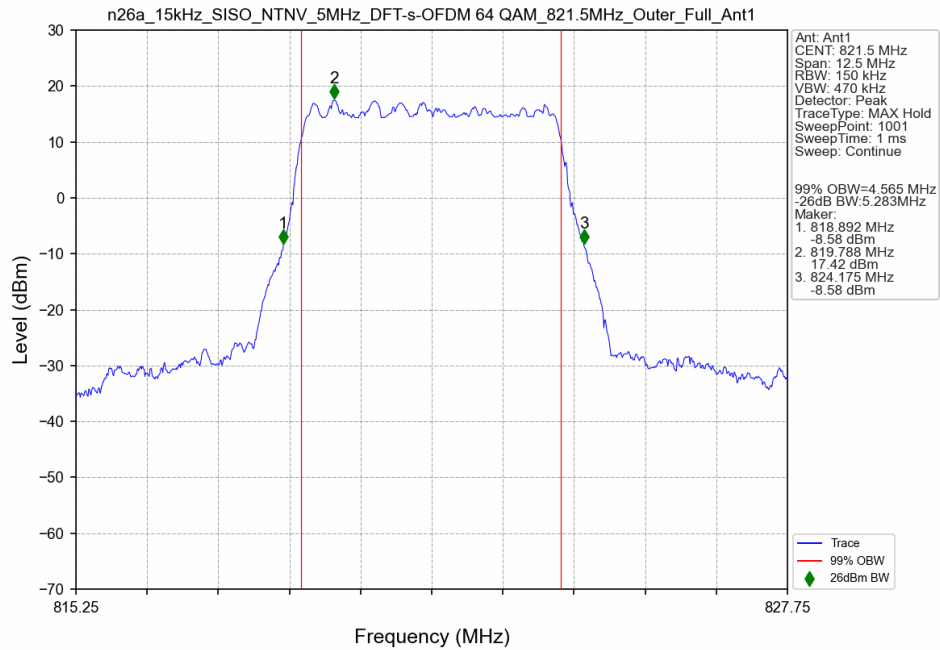
# n26a\_15kHz\_SISO\_NTNV\_5MHz\_DFT-s-OFDM\_64\_QAM\_816.5MHz\_Outer\_Full\_Ant1



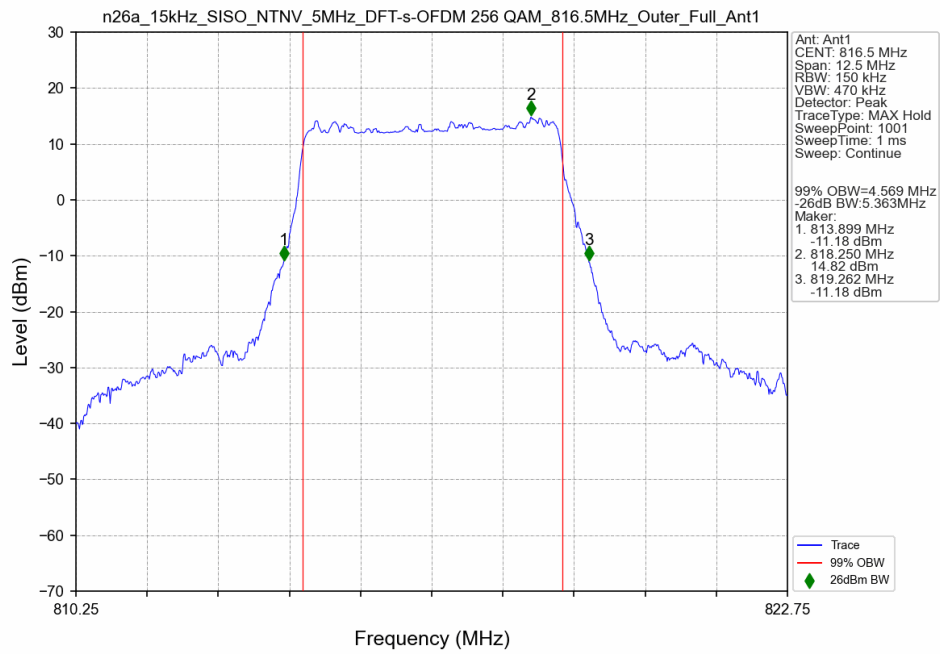
n26a\_15kHz\_SISO\_NTNV\_5MHz\_DFT-s-OFDM\_64\_QAM\_819MHz\_Outer\_Full\_Ant1



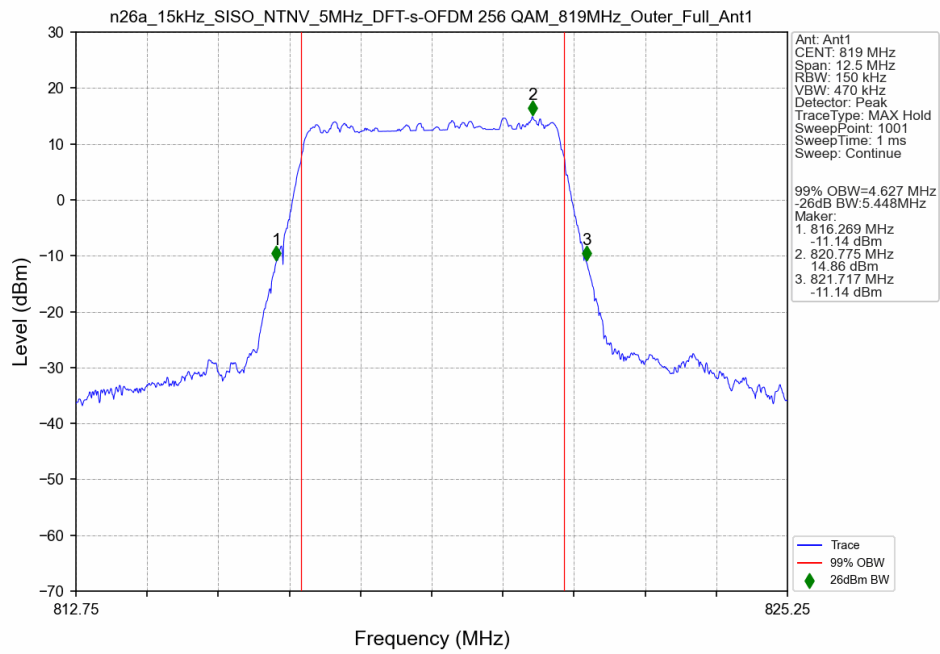
n26a\_15kHz\_SISO\_NTNV\_5MHz\_DFT-s-OFDM\_64\_QAM\_821.5MHz\_Outer\_Full\_Ant1



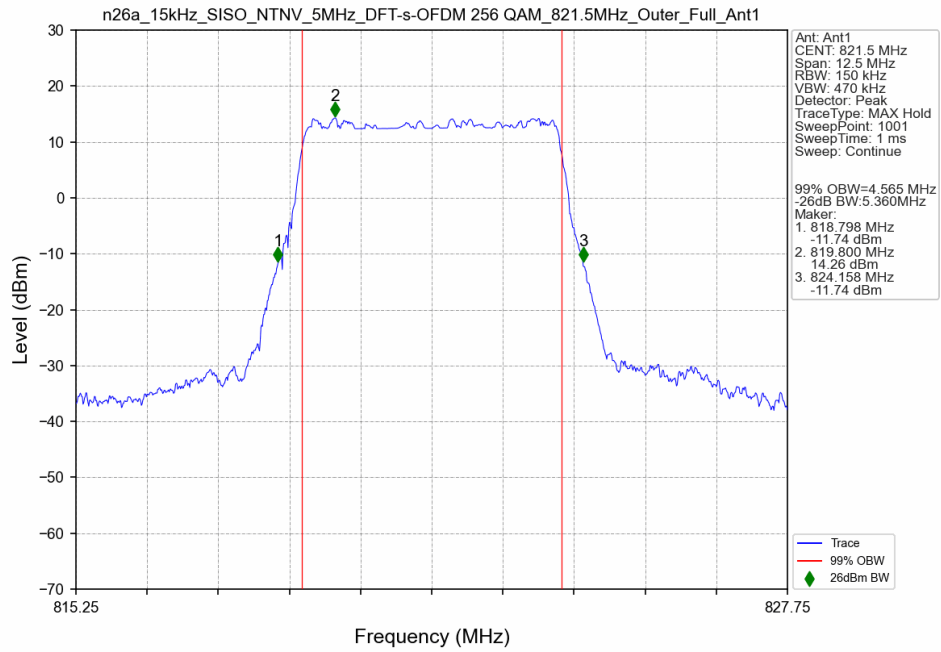
# n26a\_15kHz\_SISO\_NTNV\_5MHz\_DFT-s-OFDM\_256\_QAM\_816.5MHz\_Outer\_Full\_Ant1



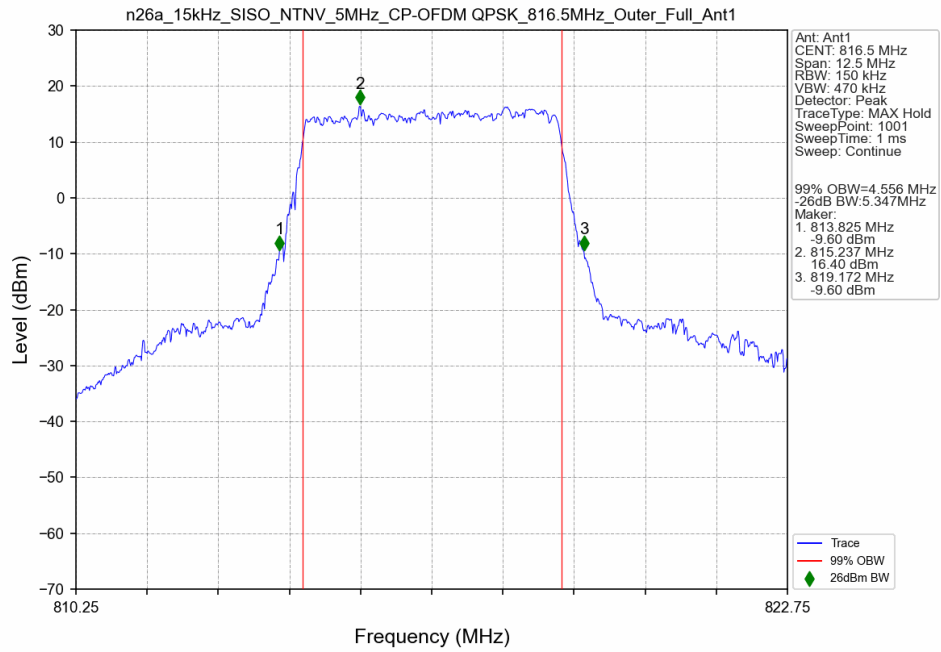
# n26a\_15kHz\_SISO\_NTNV\_5MHz\_DFT-s-OFDM\_256\_QAM\_819MHz\_Outer\_Full\_Ant1



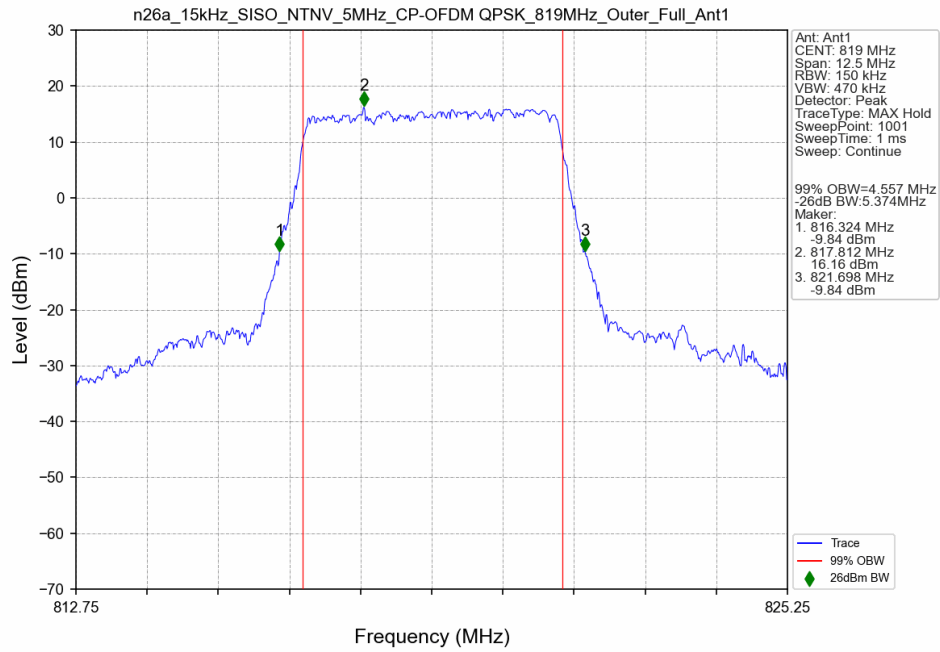
# n26a 15kHz SISO NTN 5MHz DFT-s-OFDM 256 QAM 821.5MHz Outer Full Ant1



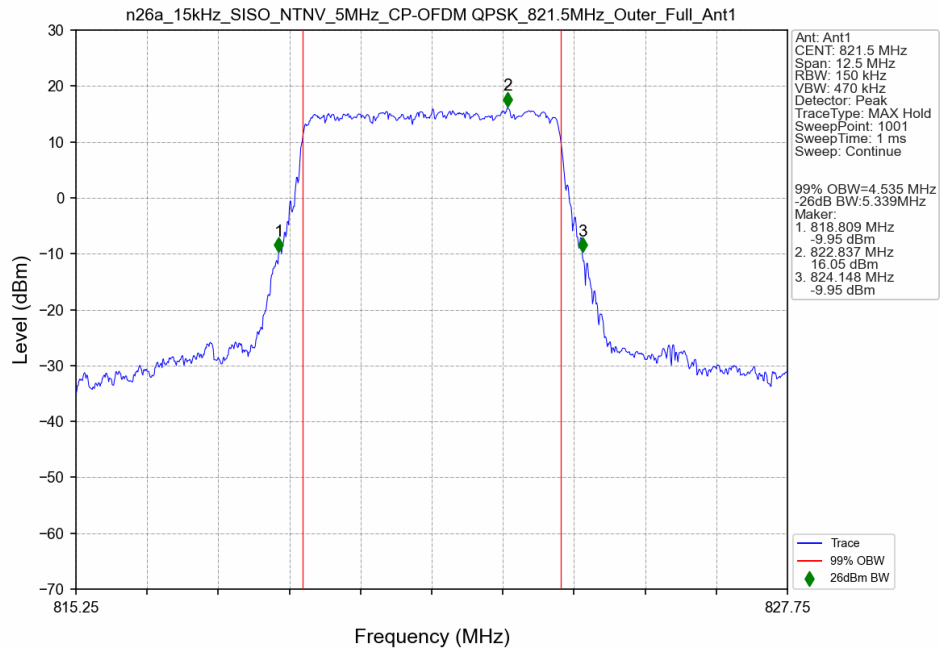
# n26a 15kHz SISO NTN 5MHz CP-OFDM QPSK 816.5MHz Outer Full Ant1



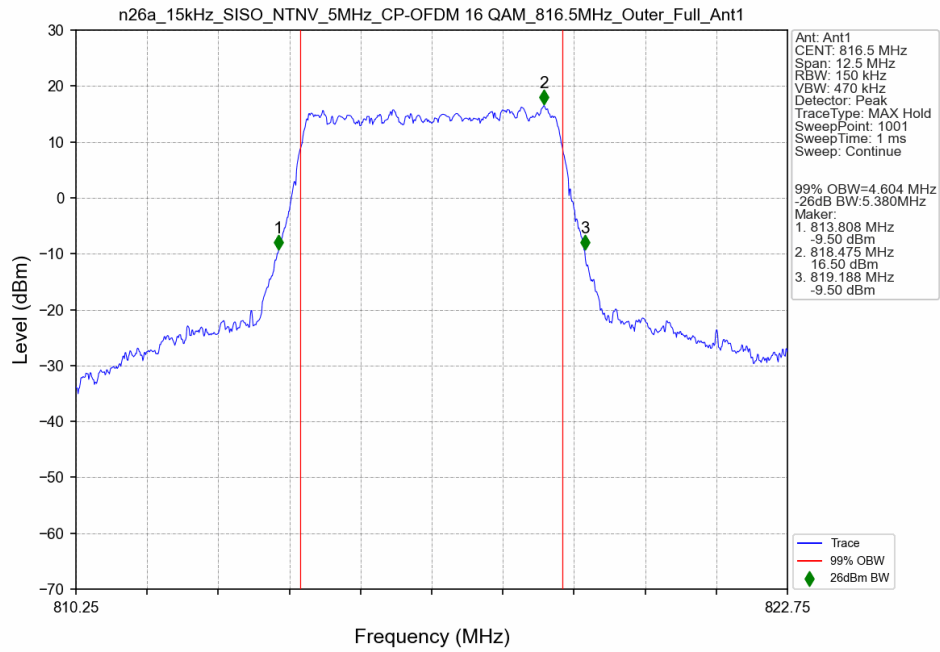
# n26a\_15kHz\_SISO\_NTNV\_5MHz\_CP-OFDM\_QPSK\_819MHz\_Outer\_Full\_Ant1



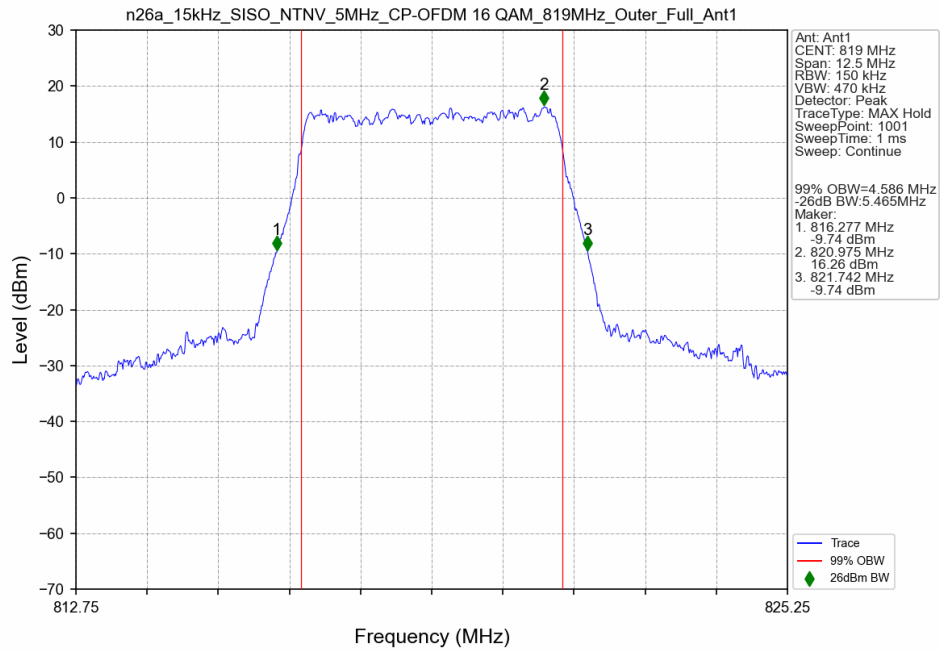
# n26a\_15kHz\_SISO\_NTNV\_5MHz\_CP-OFDM\_QPSK\_821.5MHz\_Outer\_Full\_Ant1



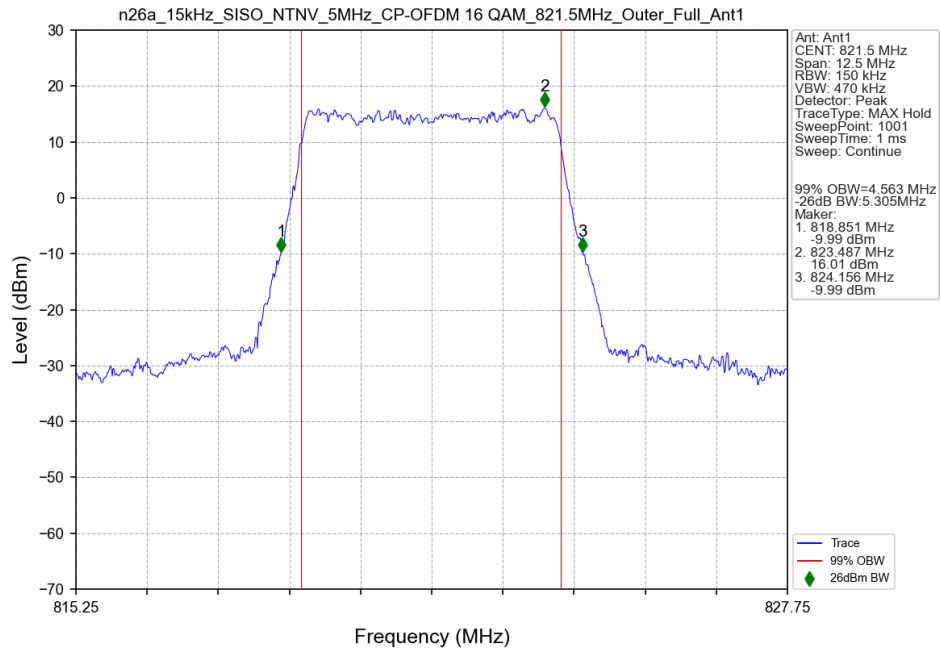
n26a 15kHz SISO NTN 5MHz CP-OFDM 16 QAM 816.5MHz Outer Full Ant1



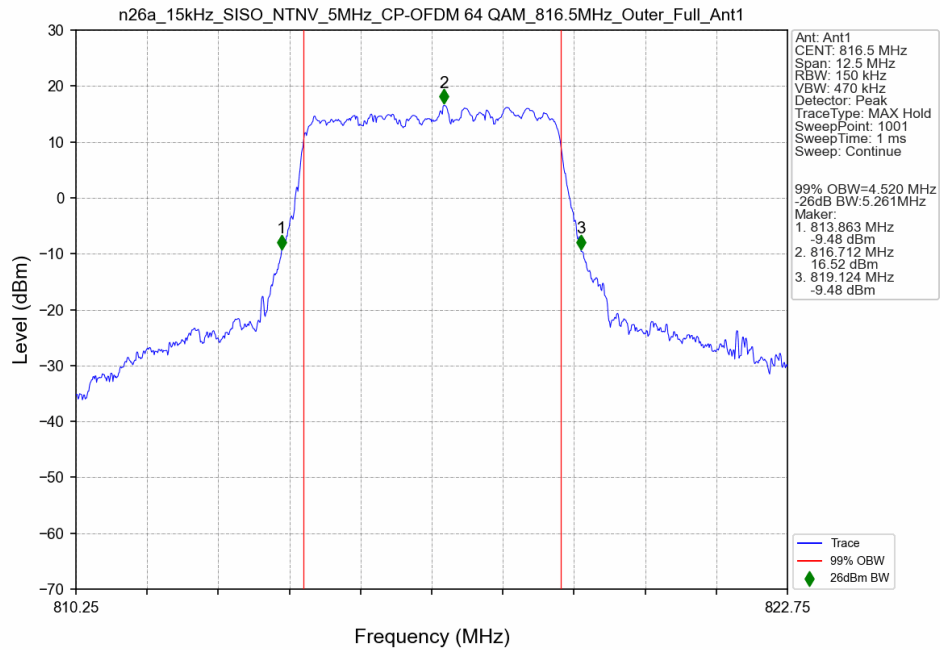
n26a 15kHz SISO NTN 5MHz CP-OFDM 16 QAM 819MHz Outer Full Ant1



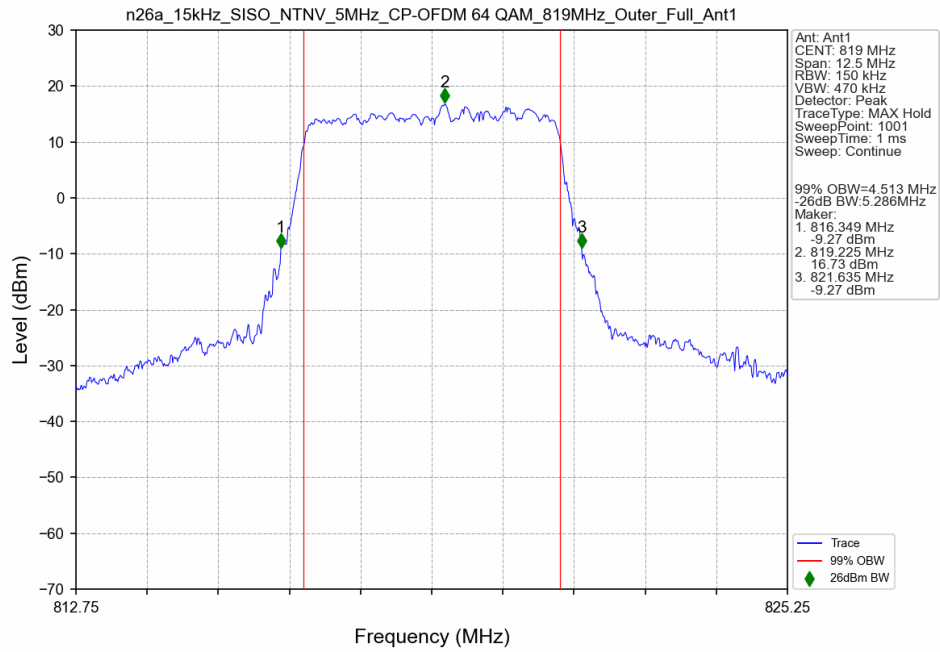
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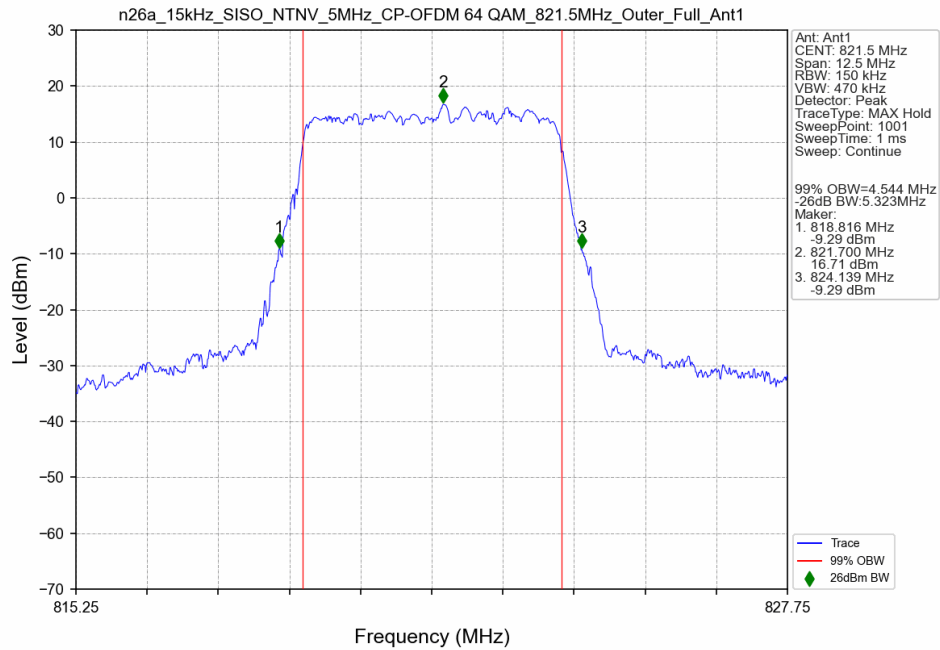
n26a\_15kHz\_SISO\_NTNV\_5MHz\_CP-OFDM\_64\_QAM\_816.5MHz\_Outer\_Full\_Ant1



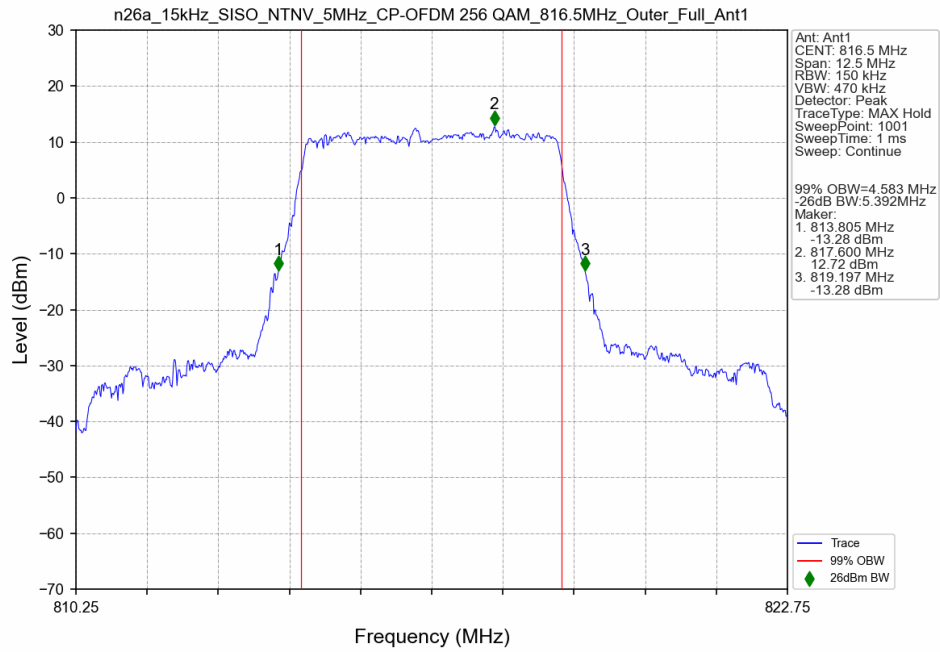
# n26a 15kHz SISO NTN 5MHz CP-OFDM 64 QAM 819MHz Outer Full Ant1



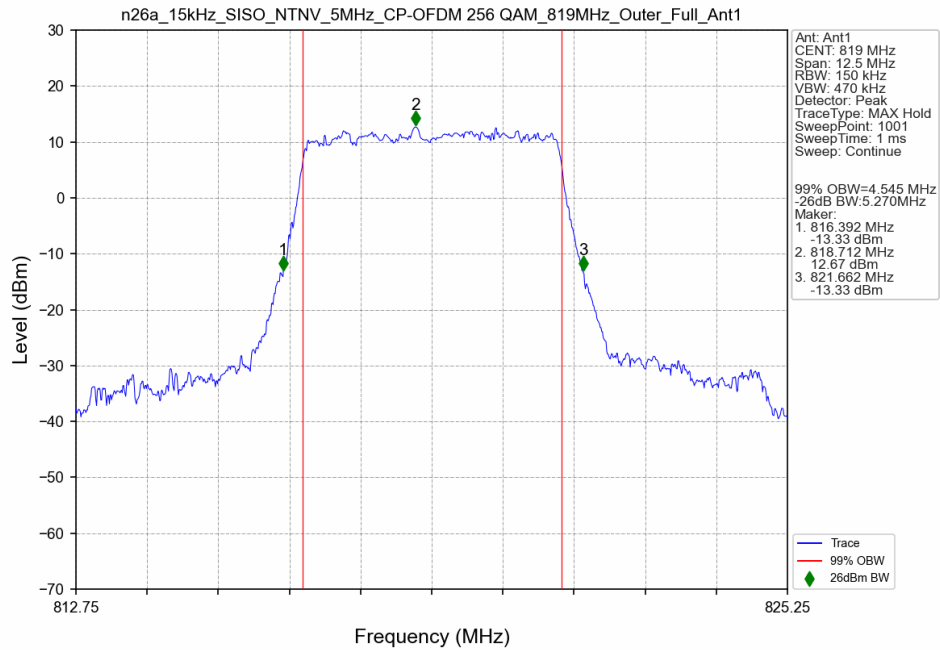
# n26a 15kHz SISO NTN 5MHz CP-OFDM 64 QAM 821.5MHz Outer Full Ant1



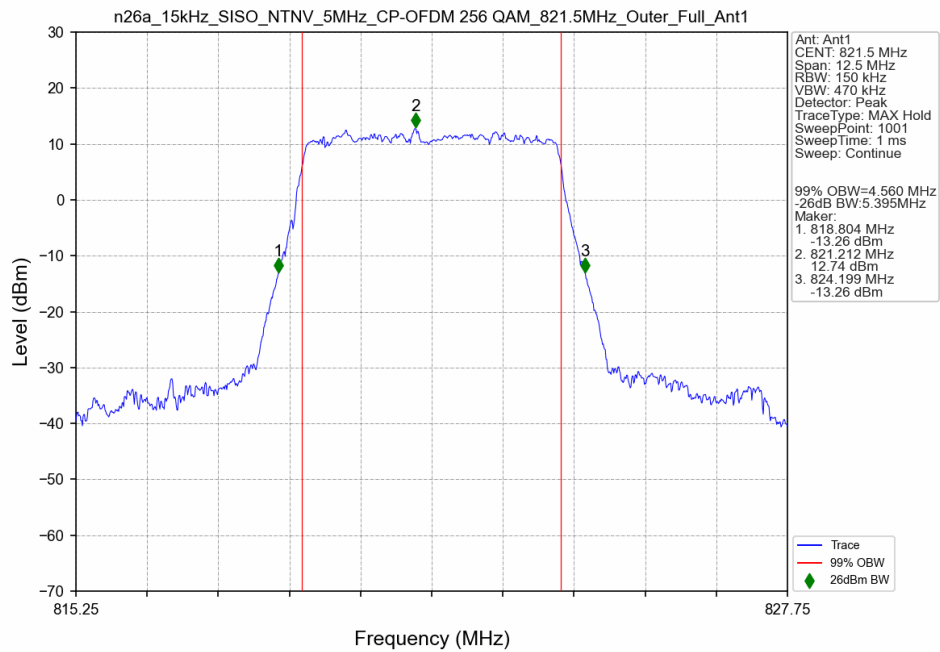
n26a 15kHz SISO NTN 5MHz CP-OFDM 256 QAM 816.5MHz Outer Full Ant1



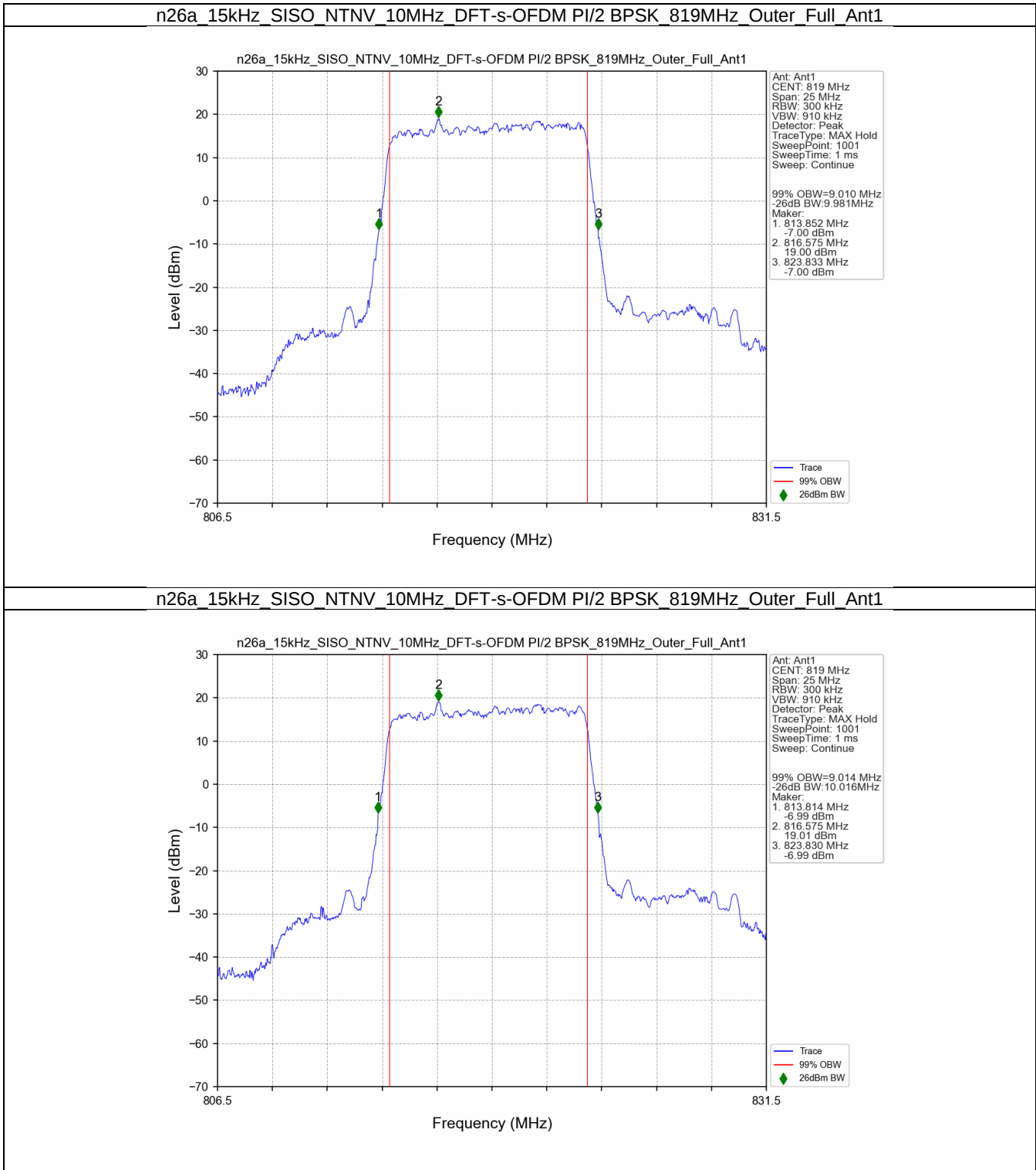
n26a 15kHz SISO NTN 5MHz CP-OFDM 256 QAM 819MHz Outer Full Ant1



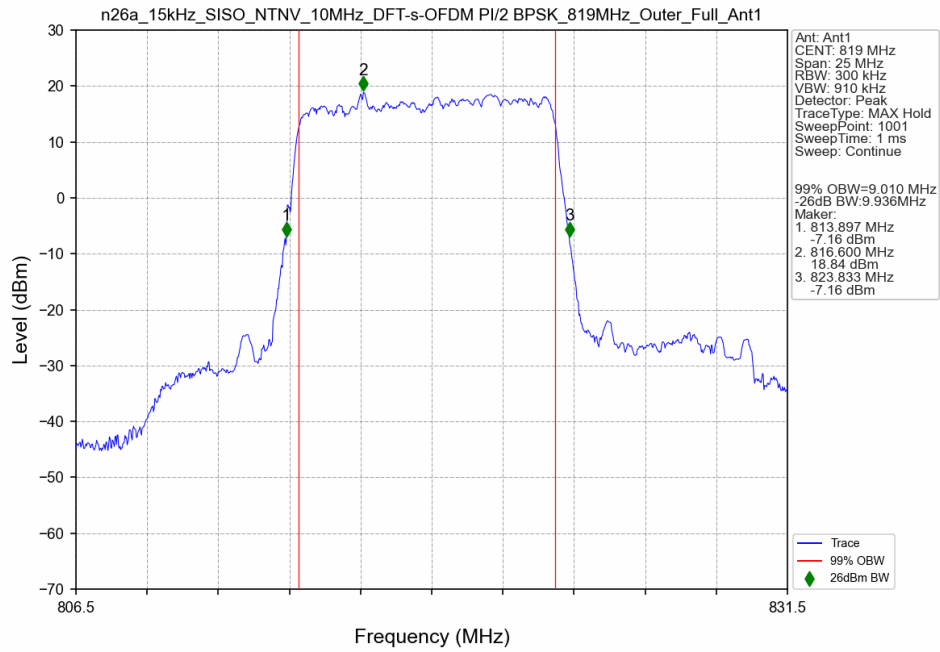
n26a 15kHz SISO NTN 5MHz CP-OFDM 256 QAM 821.5MHz Outer Full Ant1



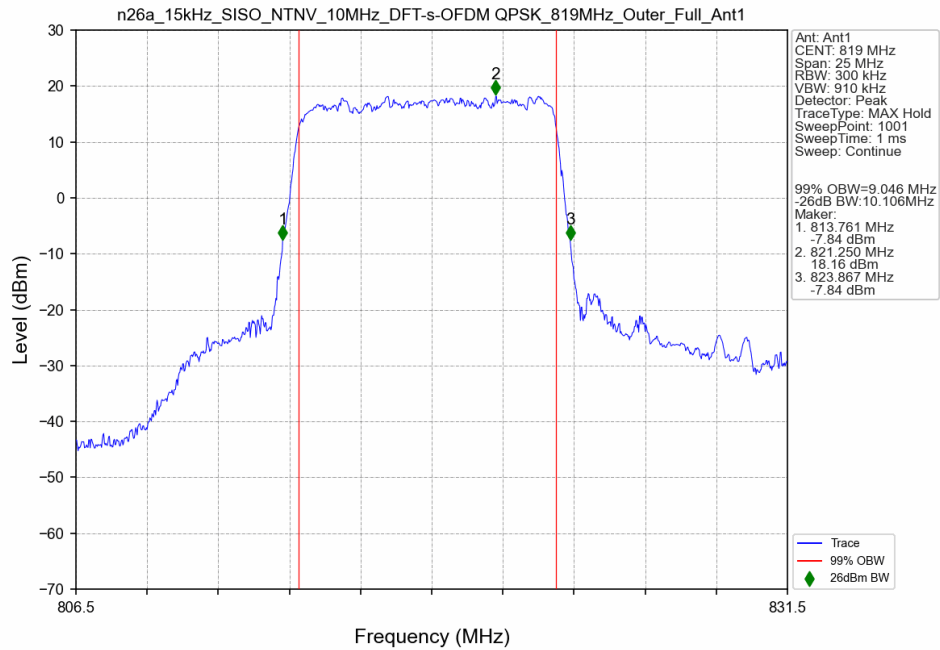
3.2.2 15k\_SISO\_10MHz\_NTNV



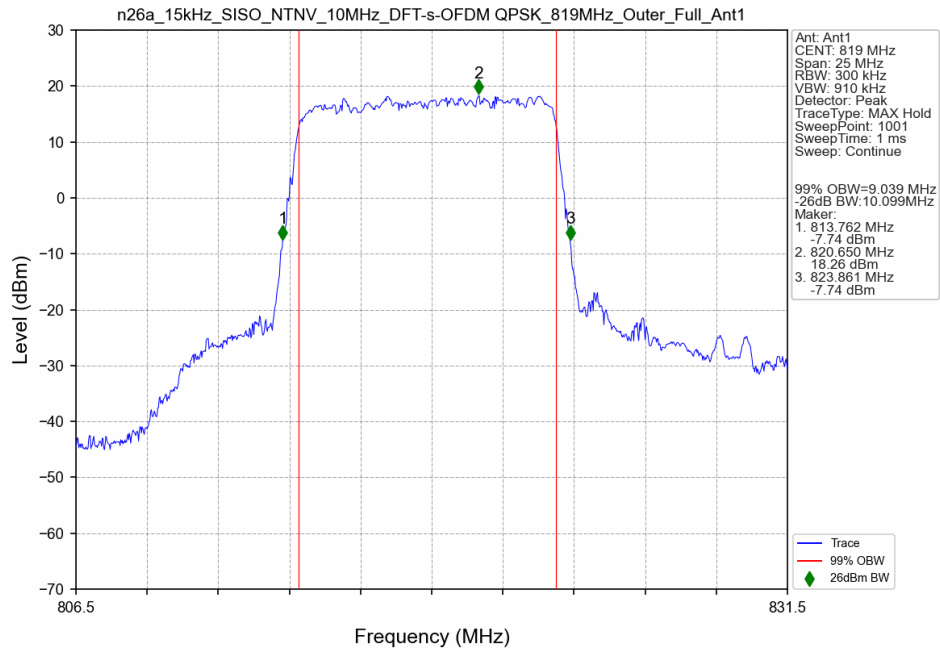
n26a\_15kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM\_PI/2\_BPSK\_819MHz\_Outer\_Full\_Ant1



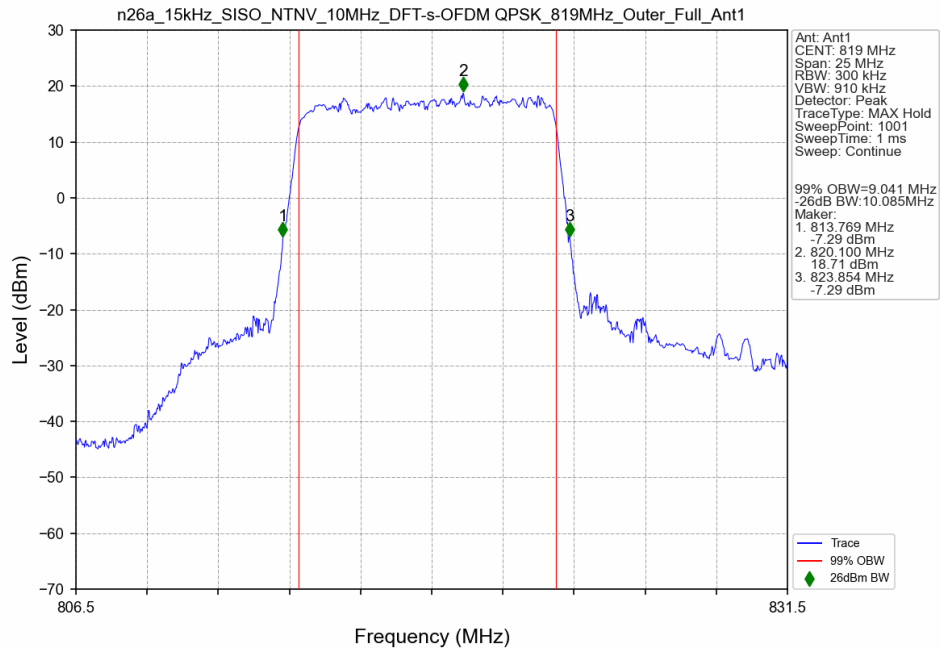
n26a\_15kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM\_QPSK\_819MHz\_Outer\_Full\_Ant1



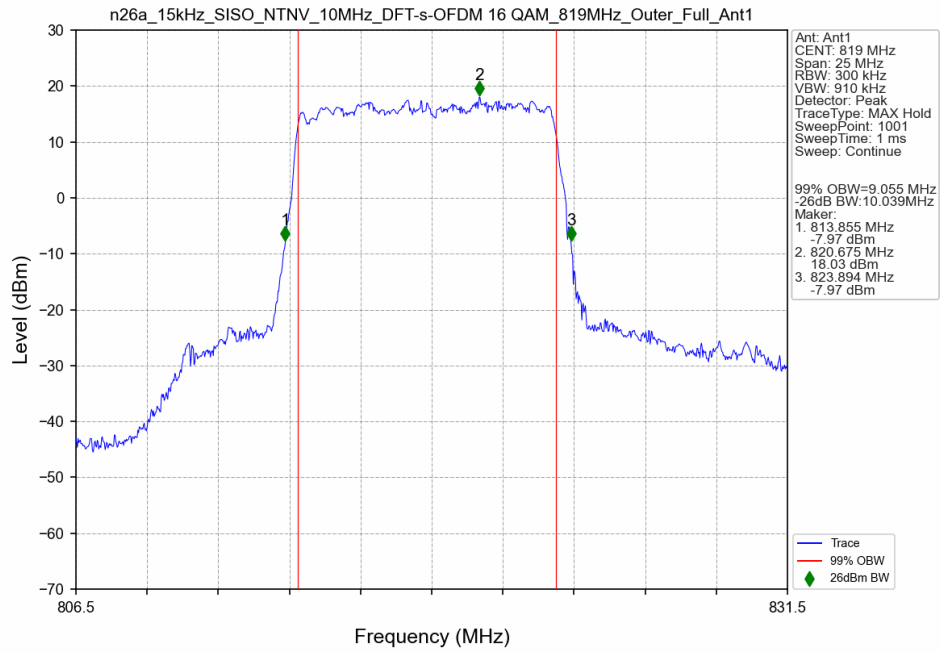
n26a 15kHz SISO NTN 10MHz DFT-s-OFDM QPSK 819MHz Outer Full Ant1



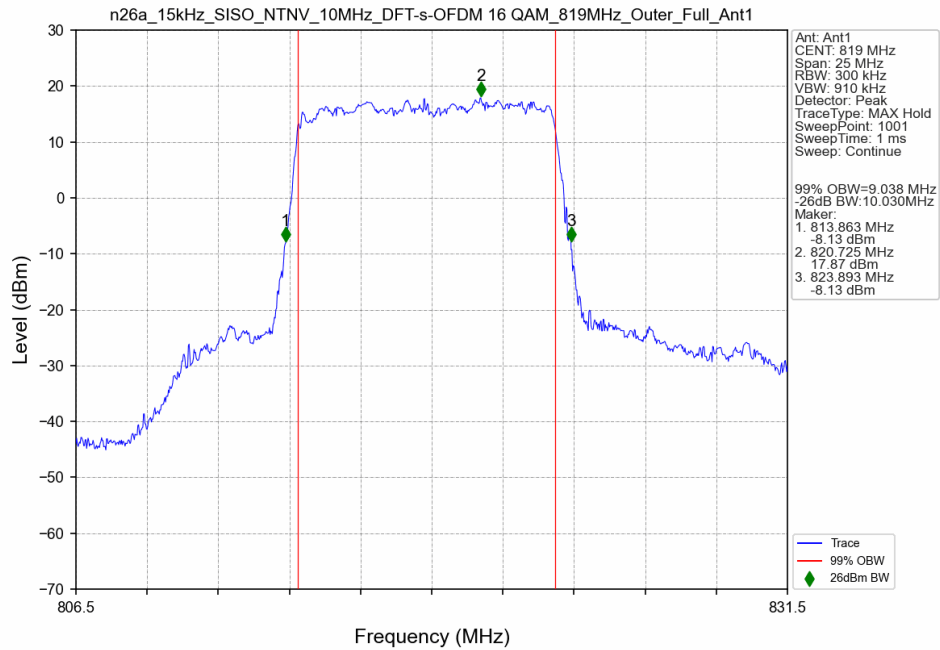
n26a 15kHz SISO NTN 10MHz DFT-s-OFDM QPSK 819MHz Outer Full Ant1



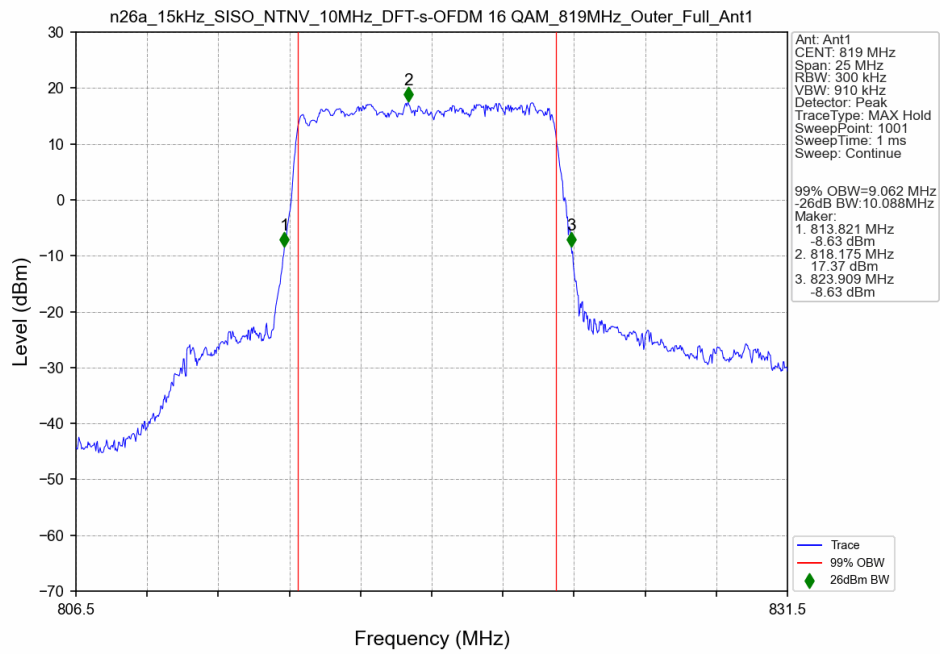
# n26a\_15kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM\_16\_QAM\_819MHz\_Outer\_Full\_Ant1



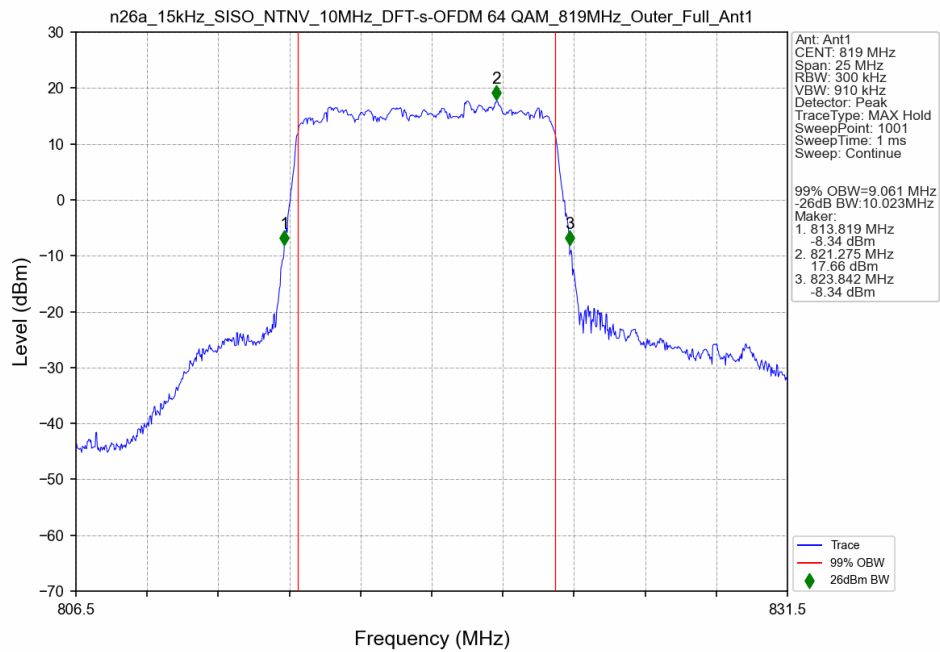
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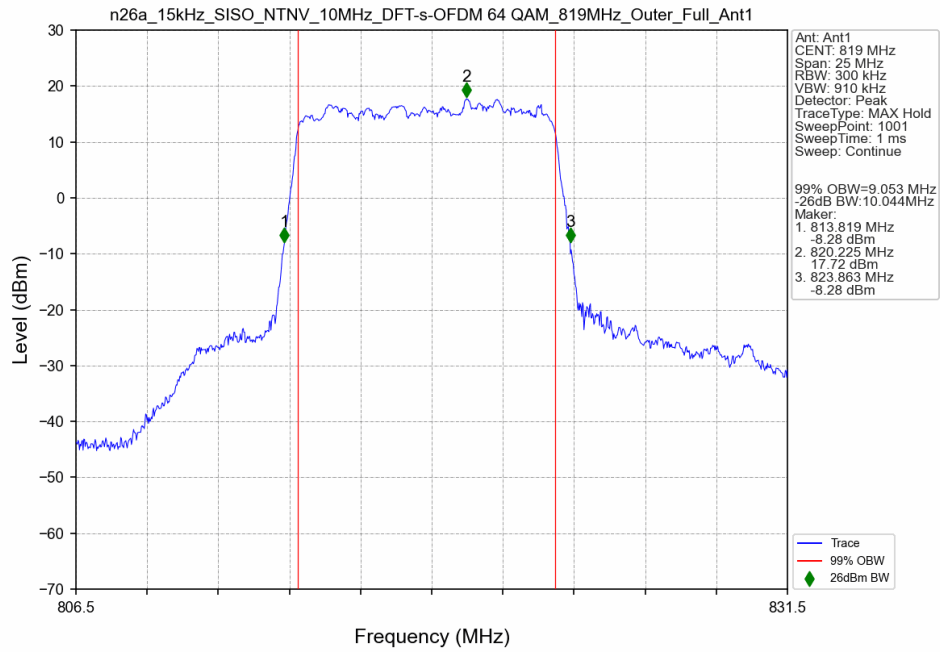
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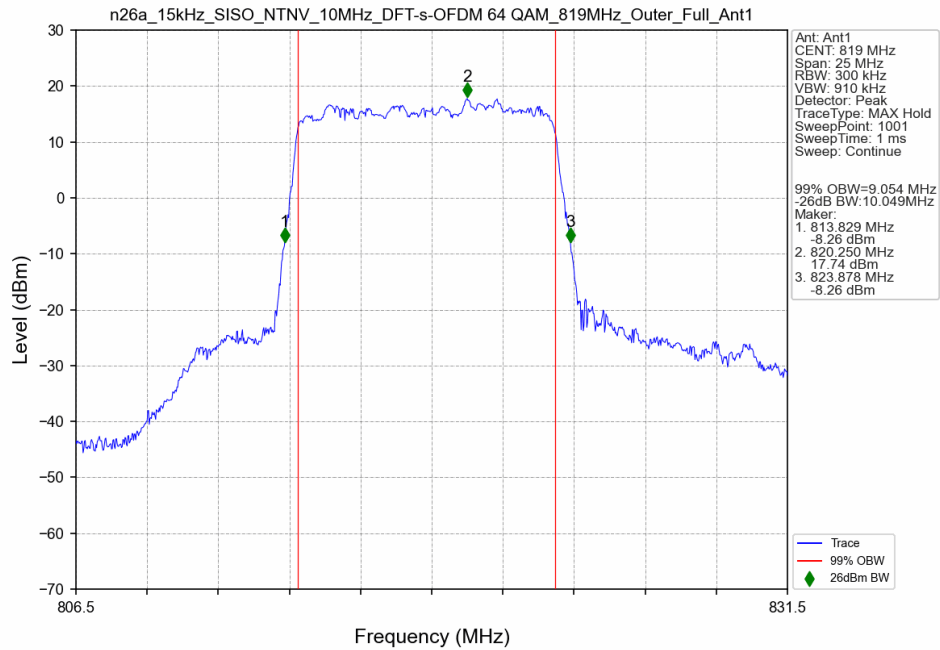
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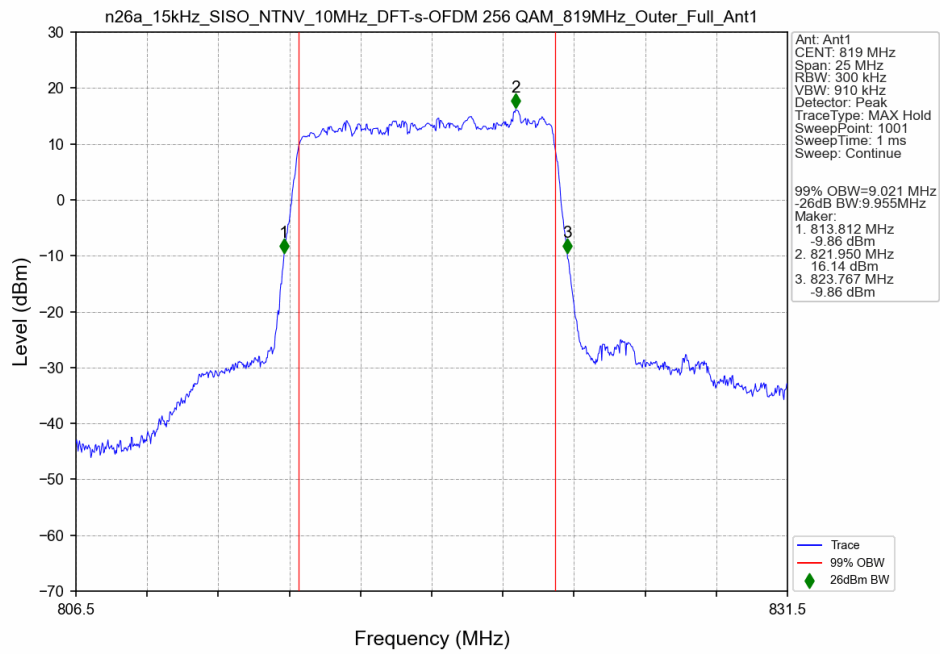
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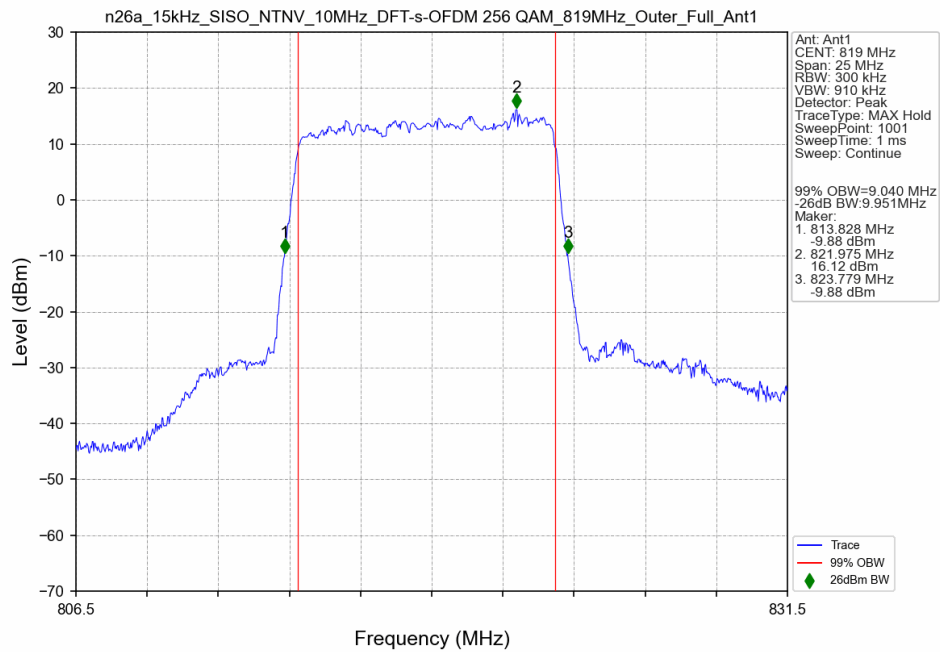
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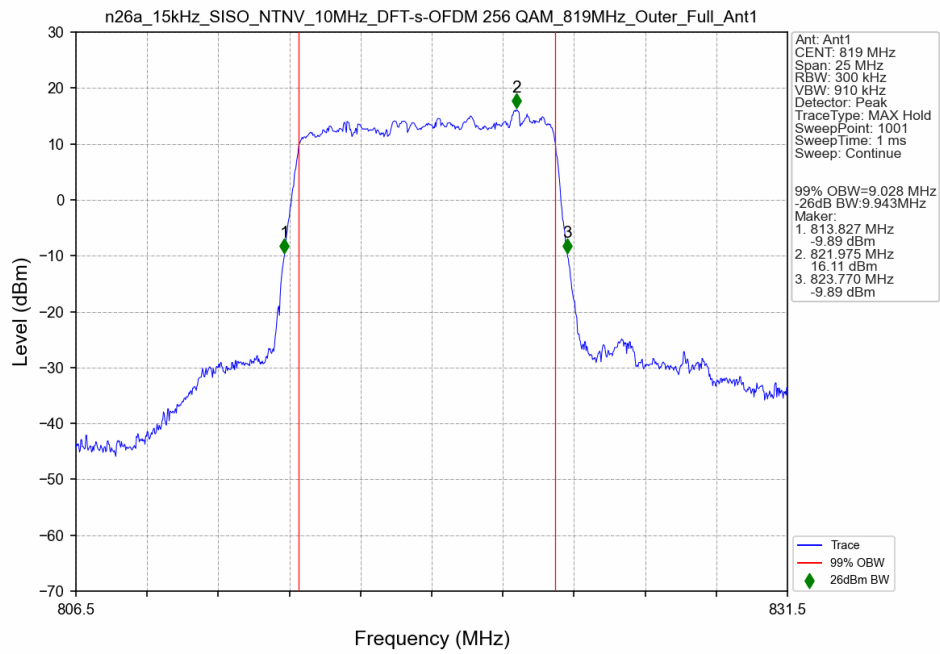
# n26a 15kHz SISO NTN 10MHz DFT-s-OFDM 256 QAM 819MHz Outer Full Ant1



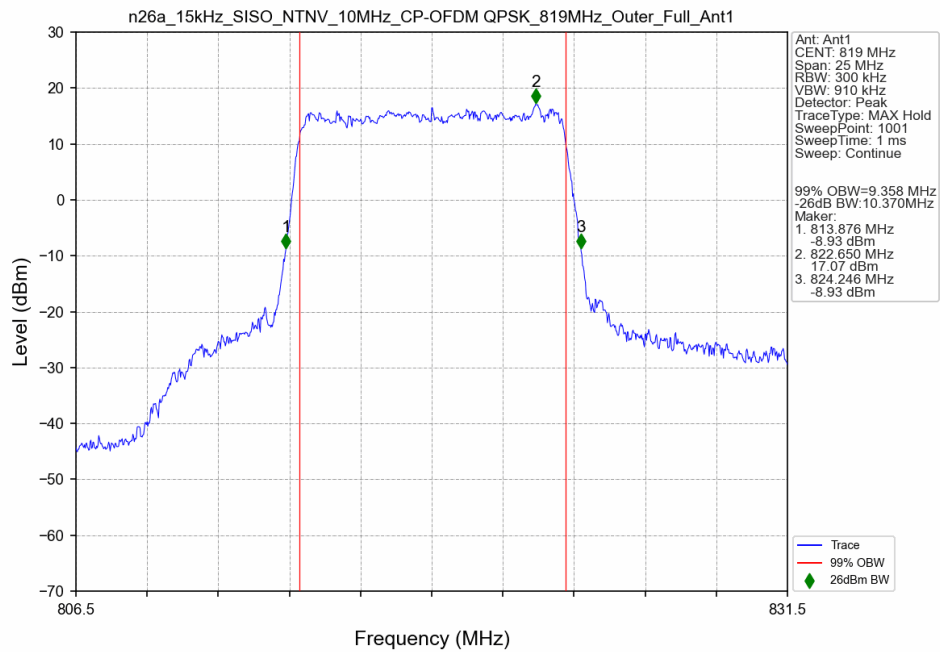
# n26a 15kHz SISO NTN 10MHz DFT-s-OFDM 256 QAM 819MHz Outer Full Ant1



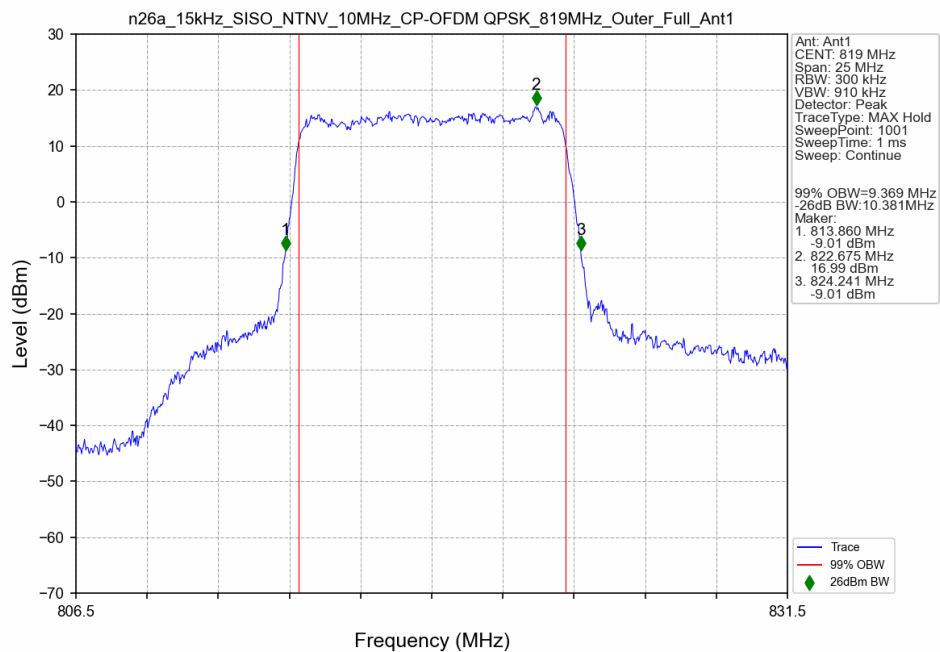
# n26a 15kHz SISO NTN 10MHz DFT-s-OFDM 256 QAM 819MHz Outer Full Ant1



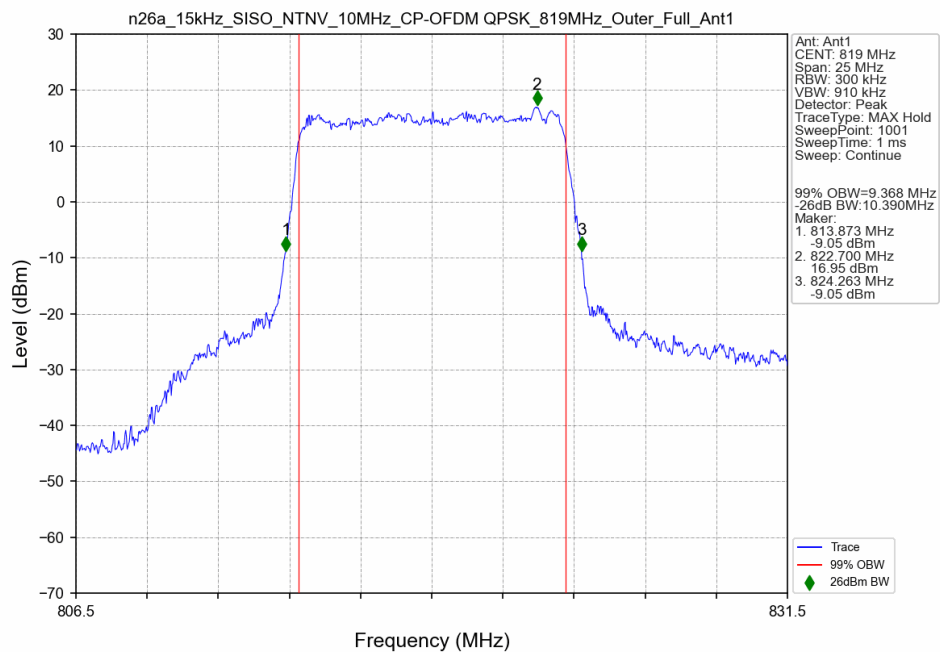
# n26a 15kHz SISO NTN 10MHz CP-OFDM QPSK 819MHz Outer Full Ant1



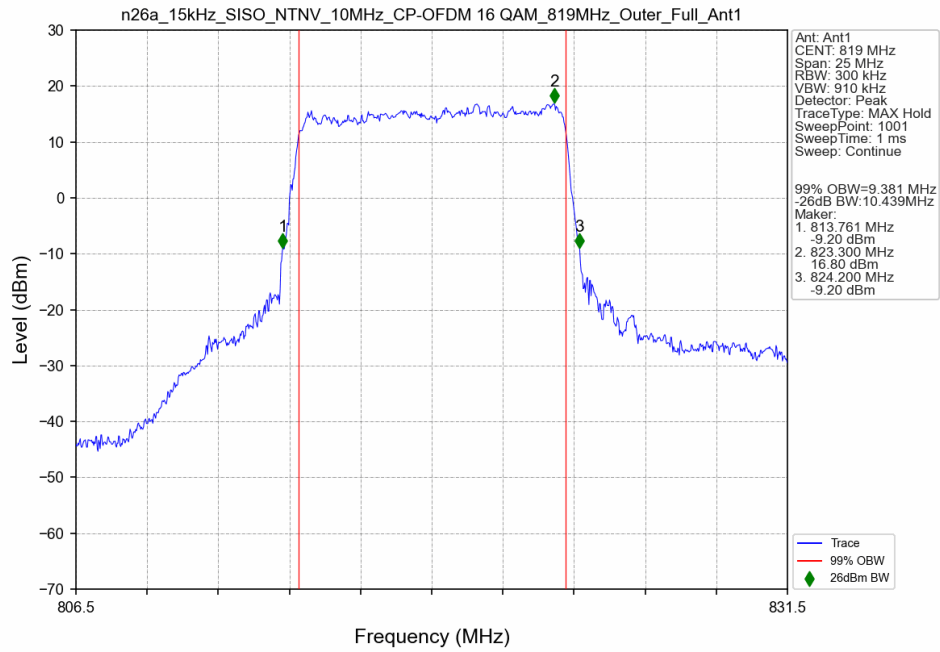
n26a 15kHz SISO NTN 10MHz CP-OFDM QPSK 819MHz Outer Full Ant1



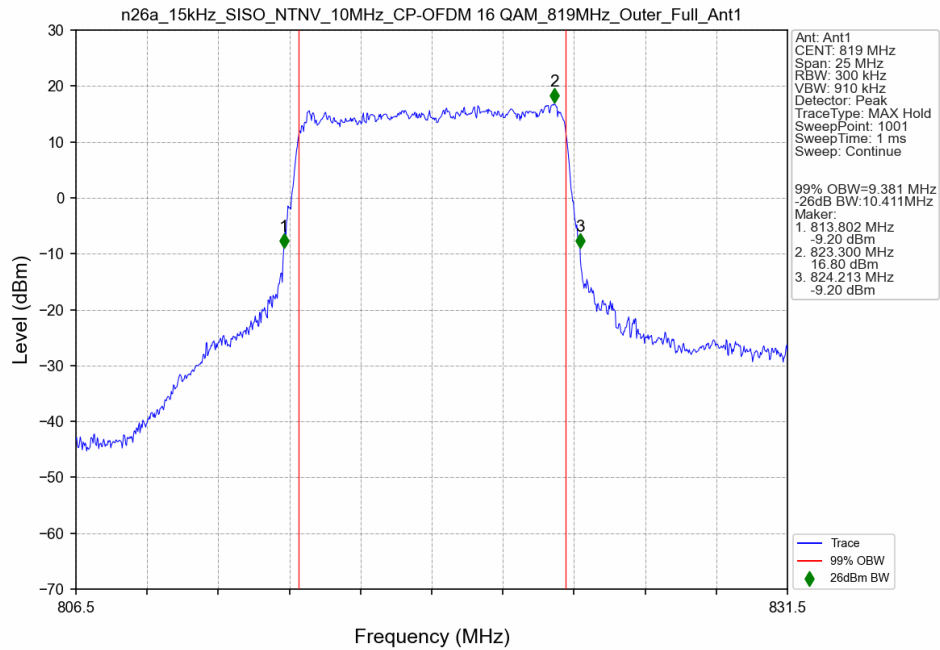
n26a 15kHz SISO NTN 10MHz CP-OFDM QPSK 819MHz Outer Full Ant1



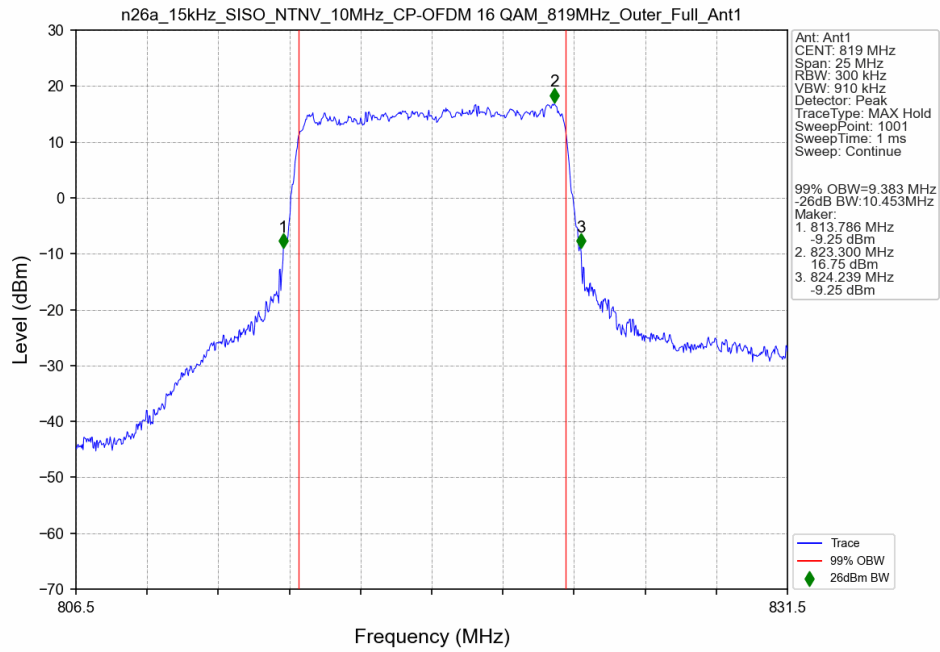
# n26a\_15kHz\_SISO\_NTNV\_10MHz\_CP-OFDM\_16\_QAM\_819MHz\_Outer\_Full\_Ant1



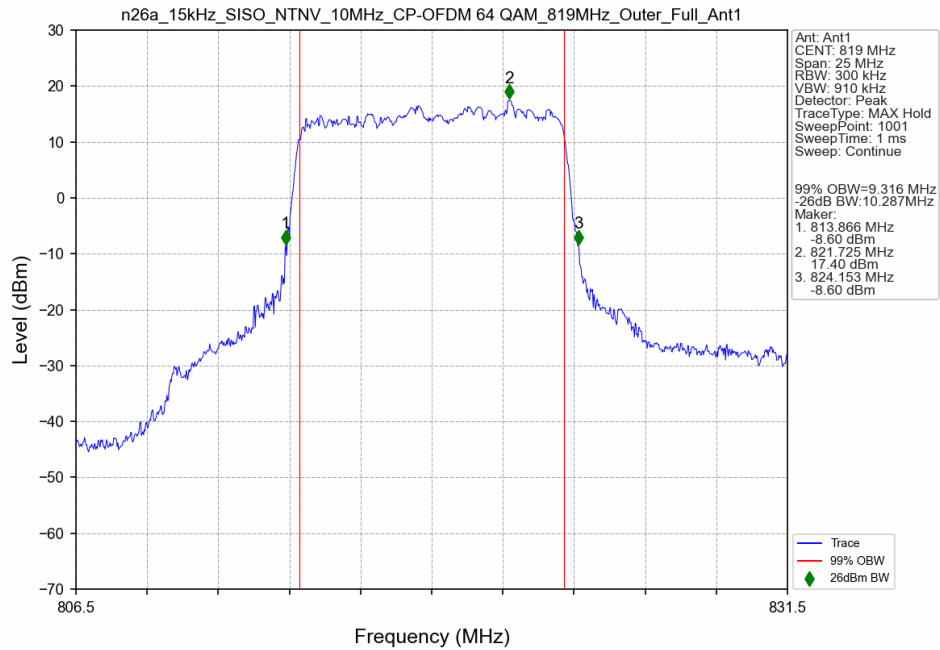
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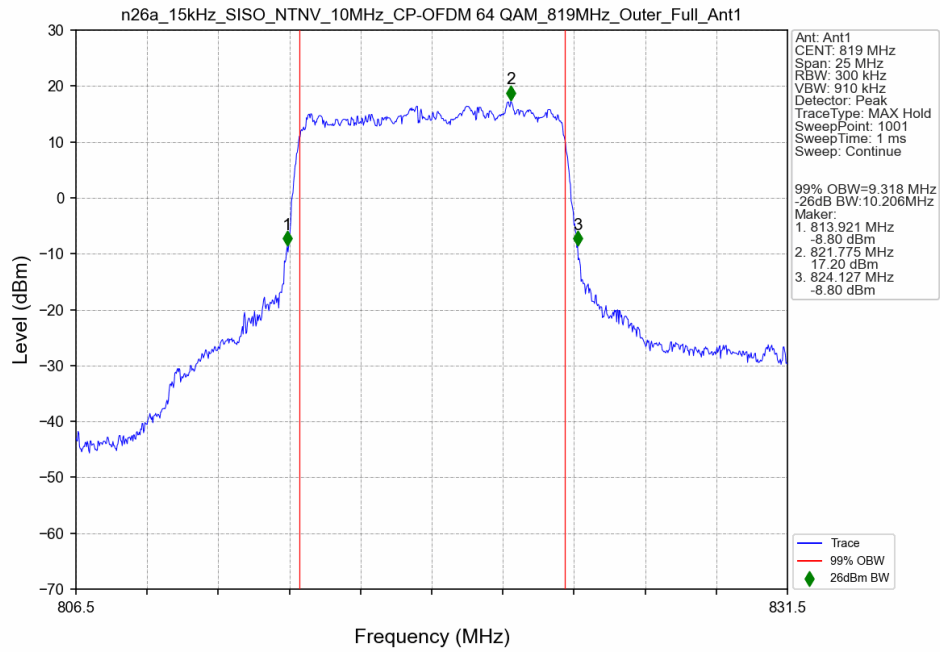
# n26a\_15kHz\_SISO\_NTNV\_10MHz\_CP-OFDM\_16\_QAM\_819MHz\_Outer\_Full\_Ant1



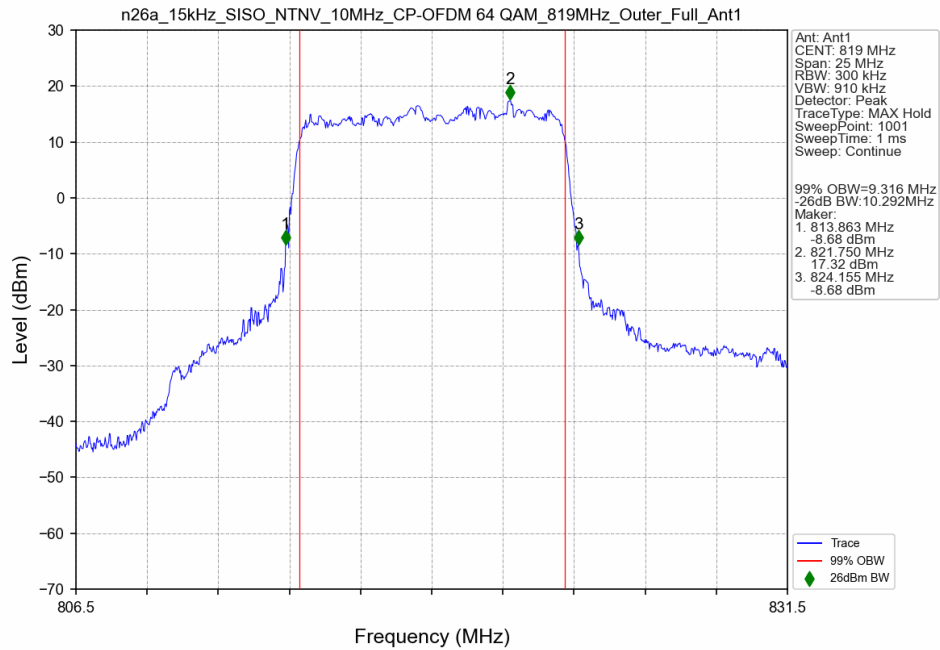
# n26a\_15kHz\_SISO\_NTNV\_10MHz\_CP-OFDM\_64\_QAM\_819MHz\_Outer\_Full\_Ant1



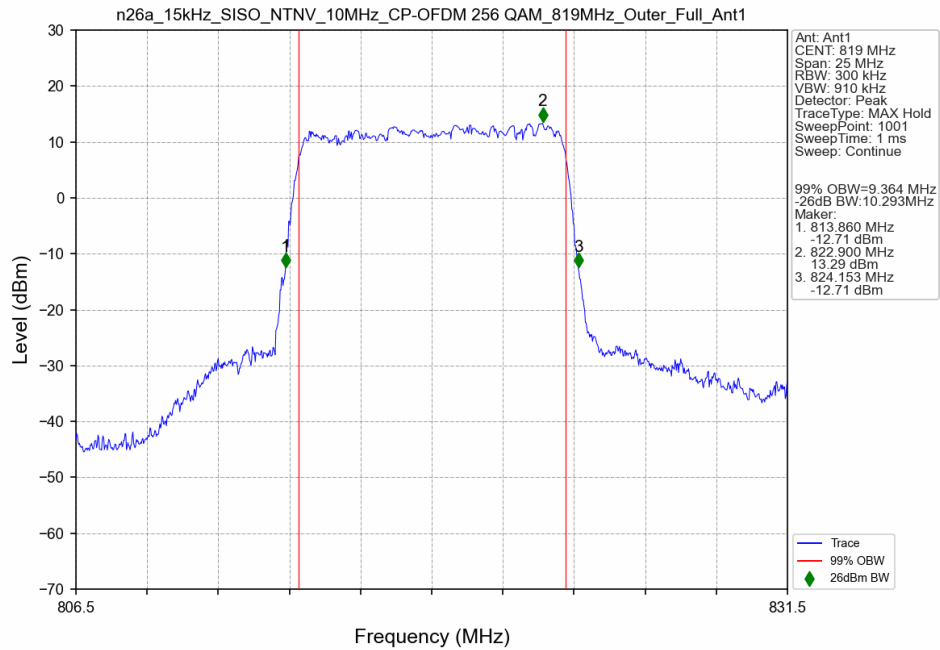
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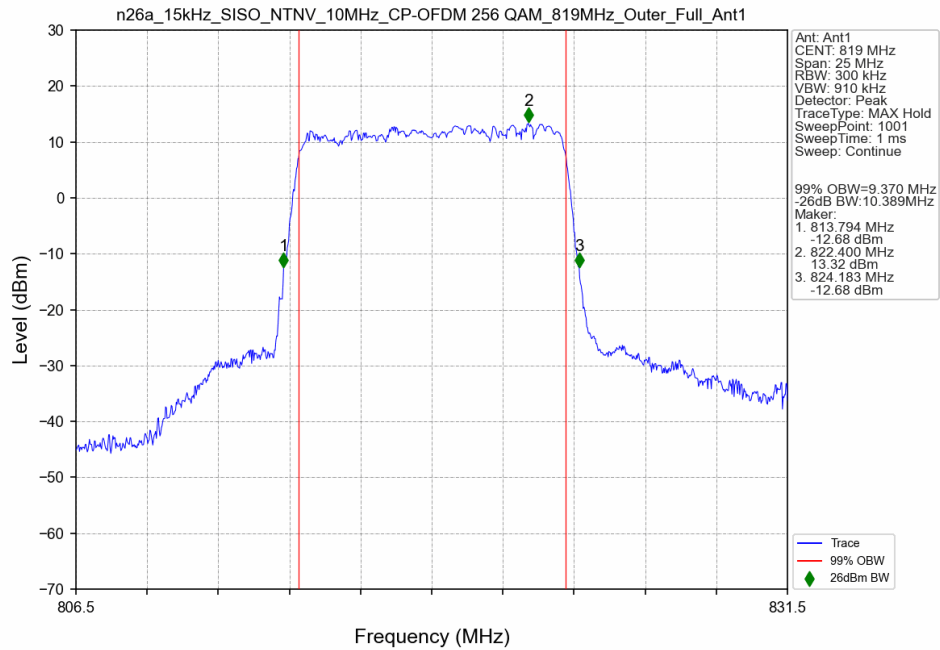
n26a\_15kHz\_SISO\_NTNV\_10MHz\_CP-OFDM\_64\_QAM\_819MHz\_Outer\_Full\_Ant1



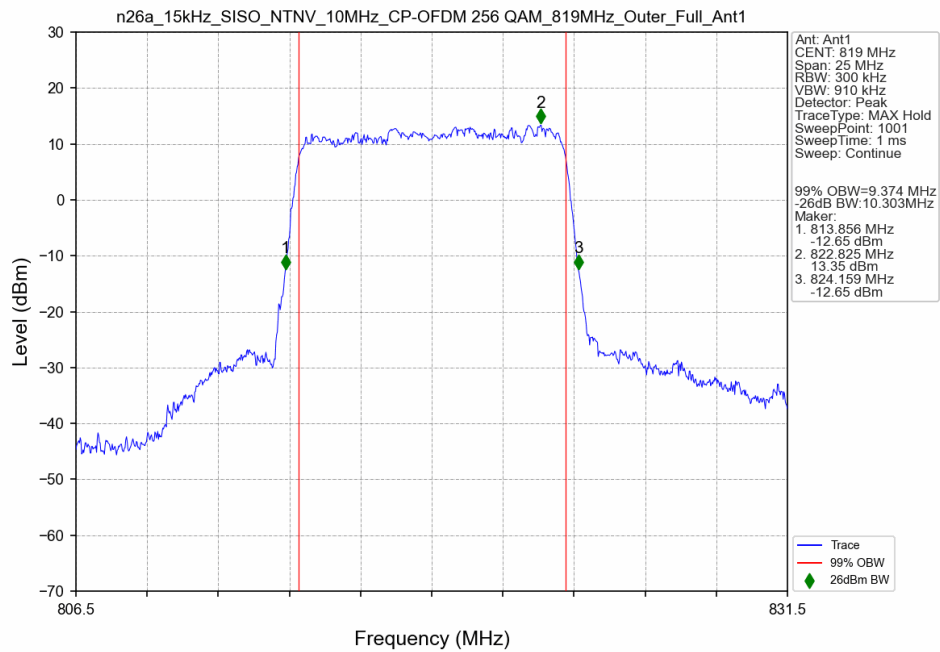
n26a 15kHz SISO NTN 10MHz CP-OFDM 256 QAM 819MHz Outer Full Ant1



n26a 15kHz SISO NTN 10MHz CP-OFDM 256 QAM 819MHz Outer Full Ant1



n26a 15kHz SISO NTN 10MHz CP-OFDM 256 QAM 819MHz Outer Full Ant1



## 4. Peak-Average Ratio

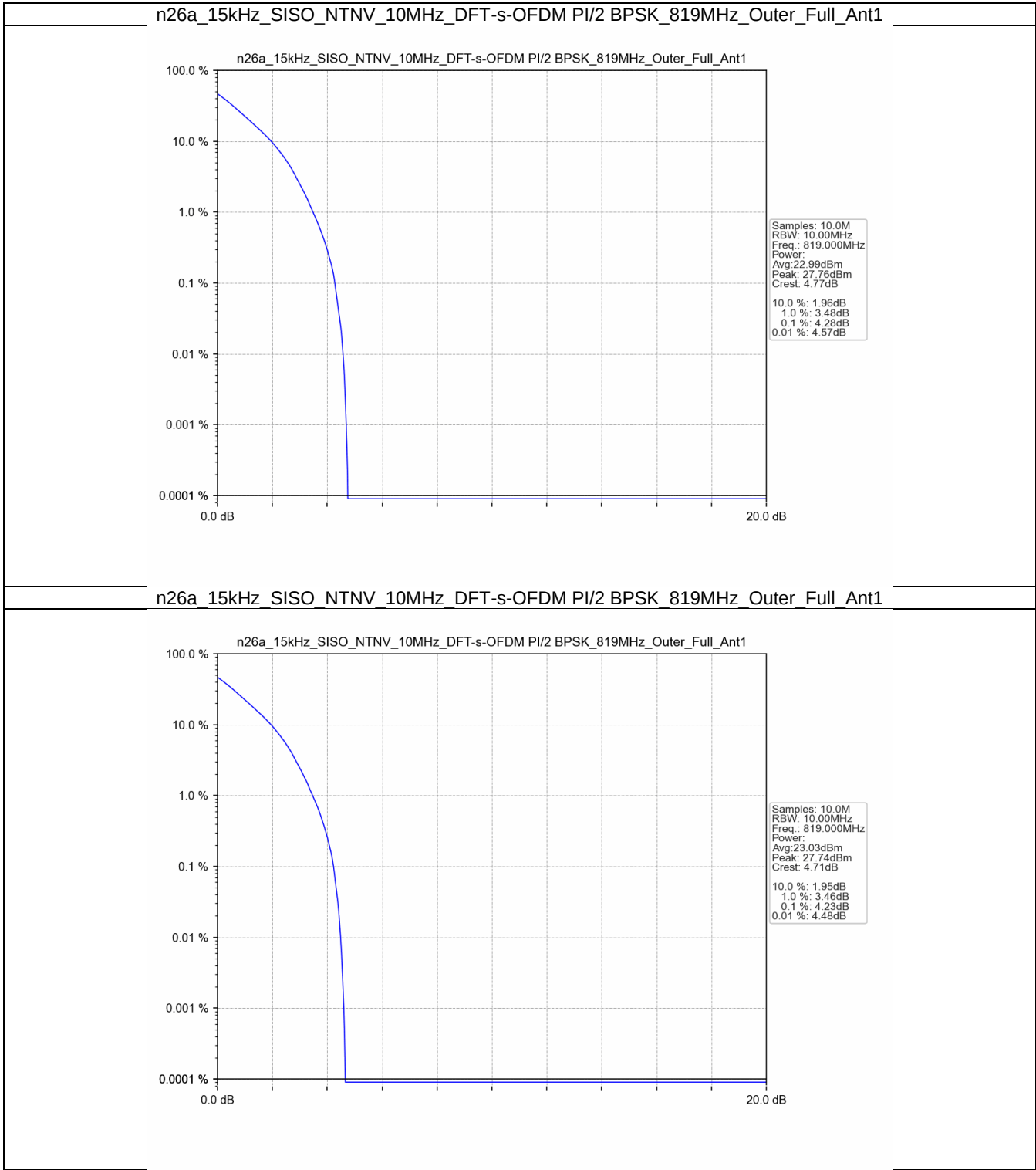
### 4.1 Test Result

#### 4.1.1 15k\_SISO\_10MHz\_NTNV

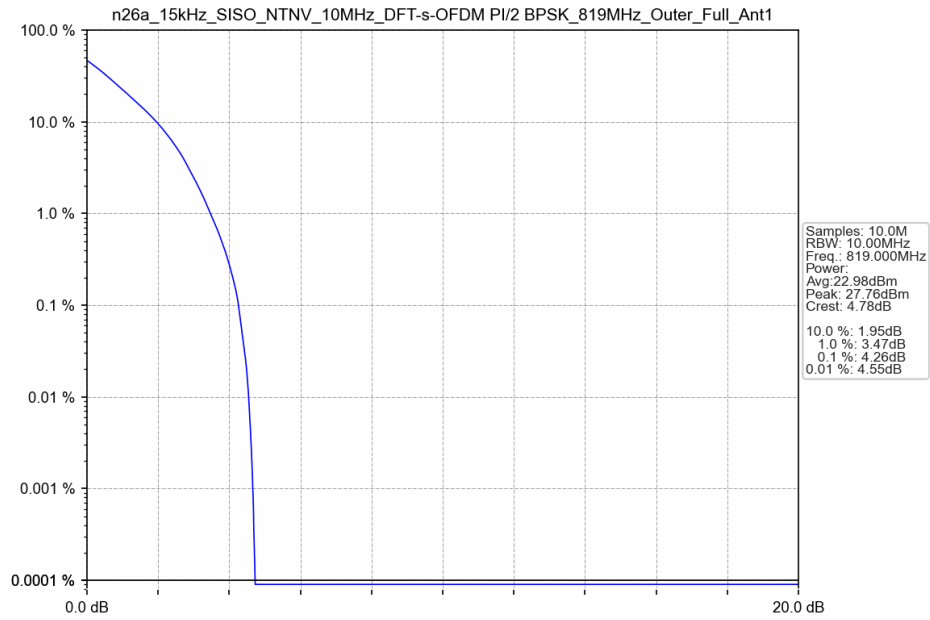
| 5G NR n26a SCS=15kHz SISO 10MHz NTN |                 |               |                         |      |     |       |         |
|-------------------------------------|-----------------|---------------|-------------------------|------|-----|-------|---------|
| Modulation                          | Frequency (MHz) | RB Allocation | Peak-Average Ratio (dB) |      |     |       | Verdict |
|                                     |                 |               | Ant1                    | Ant2 | Sum | Limit |         |
| DFT-s-OFDM PI/2 BPSK                | 819             | Outer_Full    | 4.28                    | /    | /   | <=13  | Pass    |
|                                     | 819             | Outer_Full    | 4.23                    | /    | /   | <=13  | Pass    |
|                                     | 819             | Outer_Full    | 4.26                    | /    | /   | <=13  | Pass    |
| DFT-s-OFDM QPSK                     | 819             | Outer_Full    | 5.14                    | /    | /   | <=13  | Pass    |
|                                     | 819             | Outer_Full    | 5.14                    | /    | /   | <=13  | Pass    |
|                                     | 819             | Outer_Full    | 5.15                    | /    | /   | <=13  | Pass    |
| DFT-s-OFDM 16 QAM                   | 819             | Outer_Full    | 6.04                    | /    | /   | <=13  | Pass    |
|                                     | 819             | Outer_Full    | 6.04                    | /    | /   | <=13  | Pass    |
|                                     | 819             | Outer_Full    | 6.03                    | /    | /   | <=13  | Pass    |
| DFT-s-OFDM 64 QAM                   | 819             | Outer_Full    | 6.37                    | /    | /   | <=13  | Pass    |
|                                     | 819             | Outer_Full    | 6.38                    | /    | /   | <=13  | Pass    |
|                                     | 819             | Outer_Full    | 6.38                    | /    | /   | <=13  | Pass    |
| DFT-s-OFDM 256 QAM                  | 819             | Outer_Full    | 6.98                    | /    | /   | <=13  | Pass    |
|                                     | 819             | Outer_Full    | 6.99                    | /    | /   | <=13  | Pass    |
|                                     | 819             | Outer_Full    | 6.98                    | /    | /   | <=13  | Pass    |
| CP-OFDM QPSK                        | 819             | Outer_Full    | 7.38                    | /    | /   | <=13  | Pass    |
|                                     | 819             | Outer_Full    | 7.36                    | /    | /   | <=13  | Pass    |
|                                     | 819             | Outer_Full    | 7.39                    | /    | /   | <=13  | Pass    |
| CP-OFDM 16 QAM                      | 819             | Outer_Full    | 7.34                    | /    | /   | <=13  | Pass    |
|                                     | 819             | Outer_Full    | 7.33                    | /    | /   | <=13  | Pass    |
|                                     | 819             | Outer_Full    | 7.30                    | /    | /   | <=13  | Pass    |
| CP-OFDM 64 QAM                      | 819             | Outer_Full    | 7.72                    | /    | /   | <=13  | Pass    |
|                                     | 819             | Outer_Full    | 7.74                    | /    | /   | <=13  | Pass    |
|                                     | 819             | Outer_Full    | 7.75                    | /    | /   | <=13  | Pass    |
| CP-OFDM 256 QAM                     | 819             | Outer_Full    | 8.55                    | /    | /   | <=13  | Pass    |
|                                     | 819             | Outer_Full    | 8.55                    | /    | /   | <=13  | Pass    |
|                                     | 819             | Outer_Full    | 8.56                    | /    | /   | <=13  | Pass    |

# 4.2 Test Graph

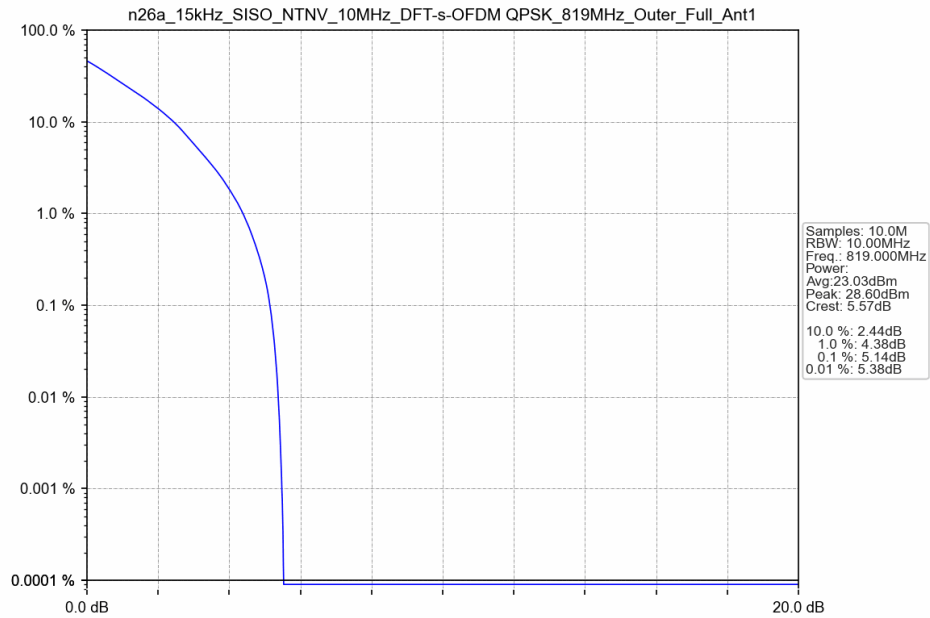
## 4.2.1 15k\_SISO\_10MHz\_NTNV



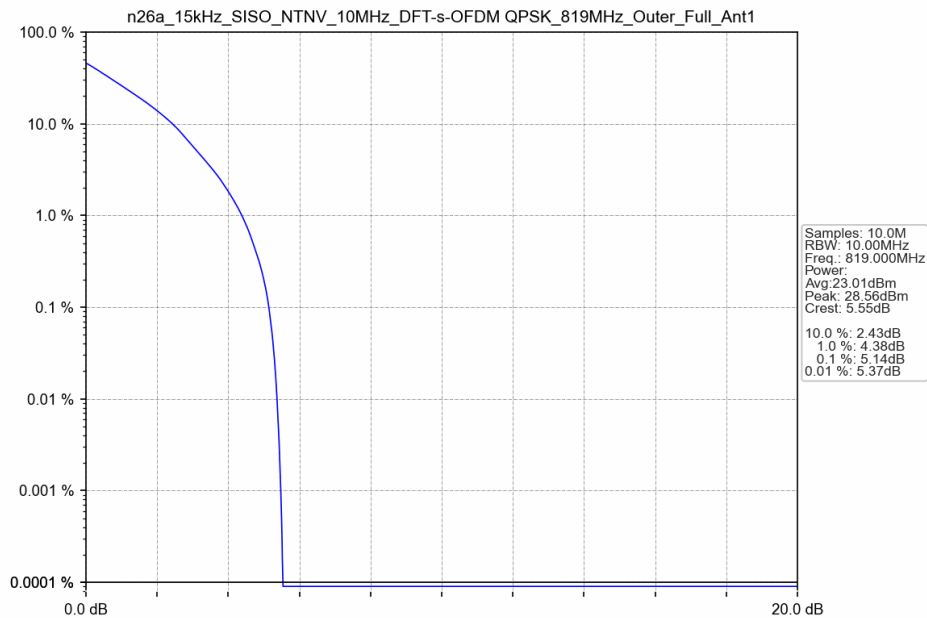
n26a 15kHz SISO NTN 10MHz DFT-s-OFDM PI/2 BPSK 819MHz Outer Full Ant1



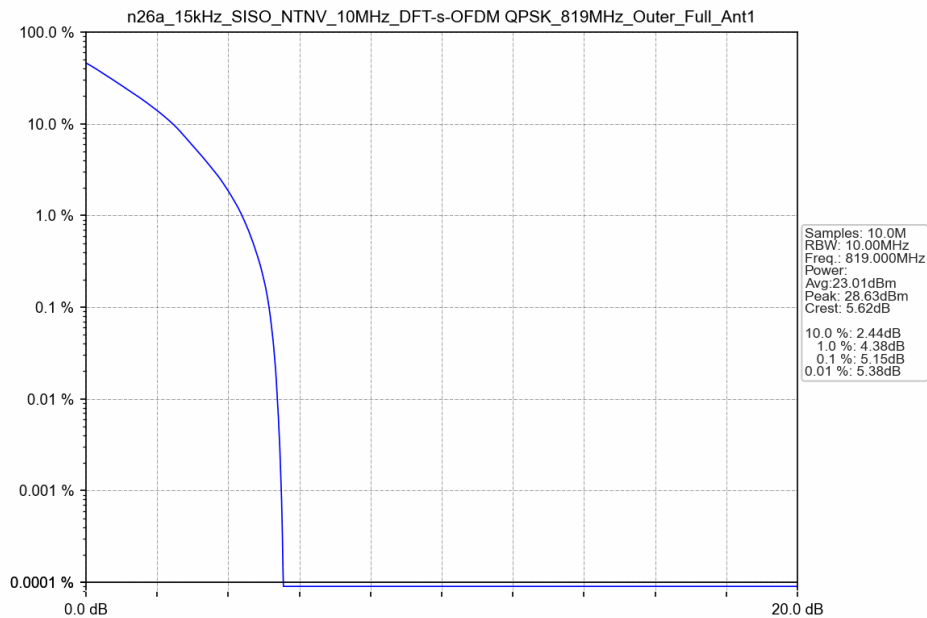
n26a 15kHz SISO NTN 10MHz DFT-s-OFDM QPSK 819MHz Outer Full Ant1



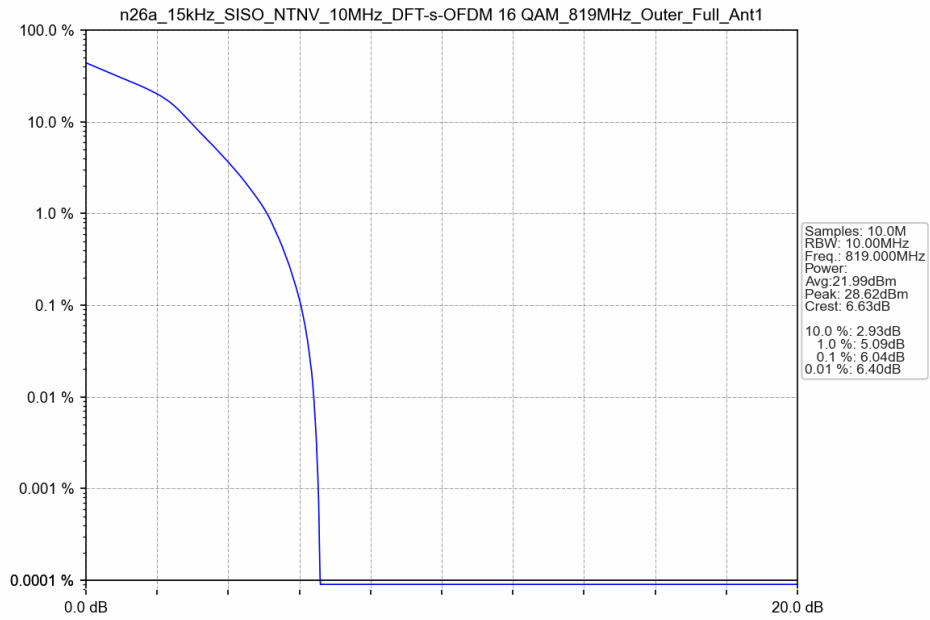
n26a 15kHz SISO NTN 10MHz DFT-s-OFDM QPSK 819MHz Outer Full Ant1



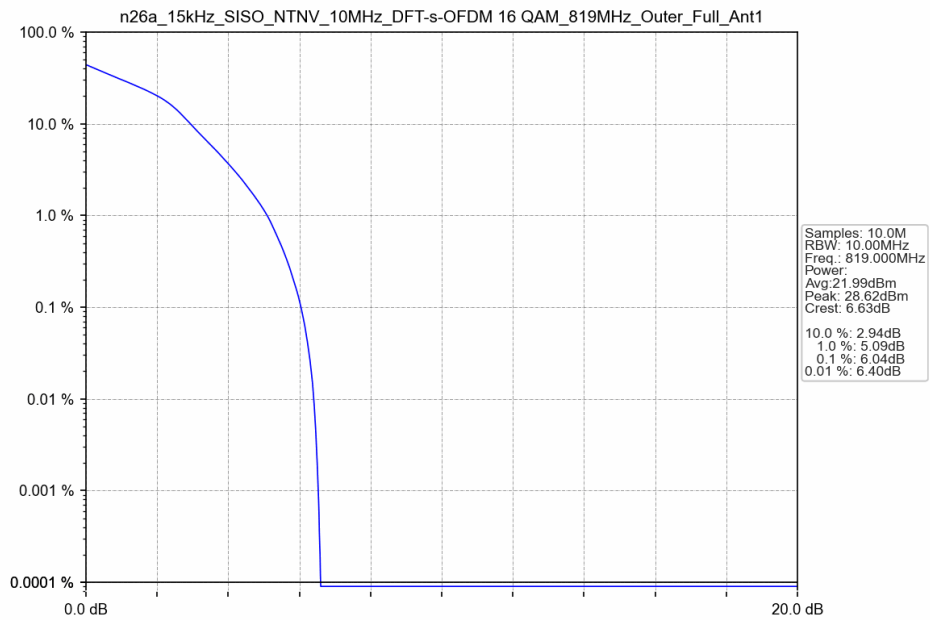
n26a 15kHz SISO NTN 10MHz DFT-s-OFDM QPSK 819MHz Outer Full Ant1



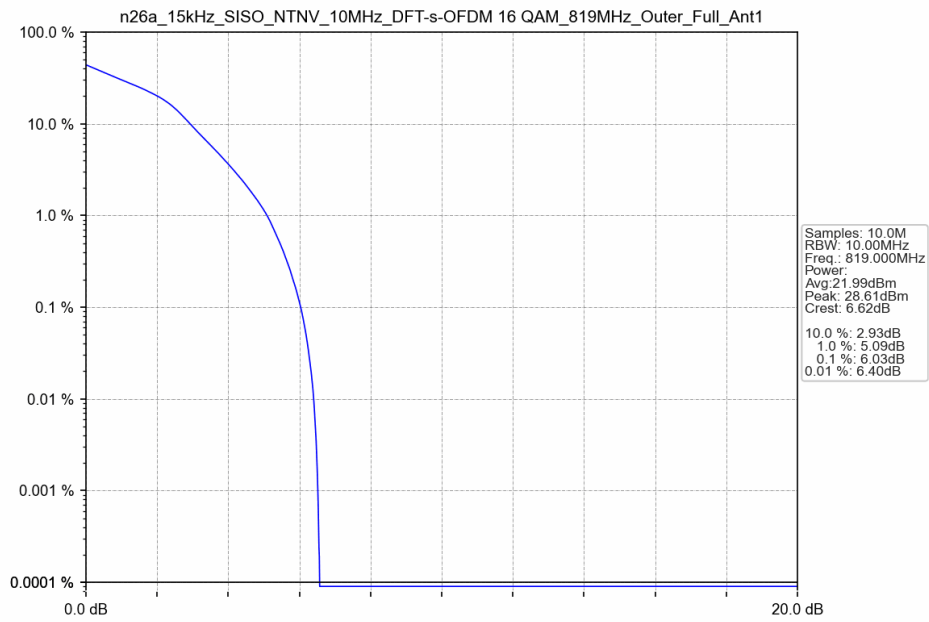
# n26a\_15kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM\_16\_QAM\_819MHz\_Outer\_Full\_Ant1



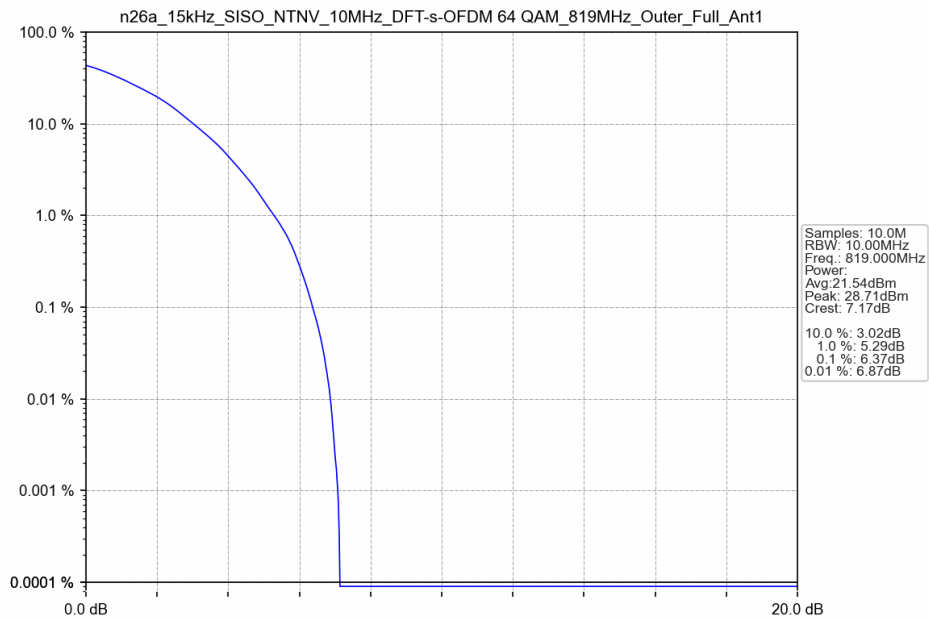
# n26a\_15kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM\_16\_QAM\_819MHz\_Outer\_Full\_Ant1



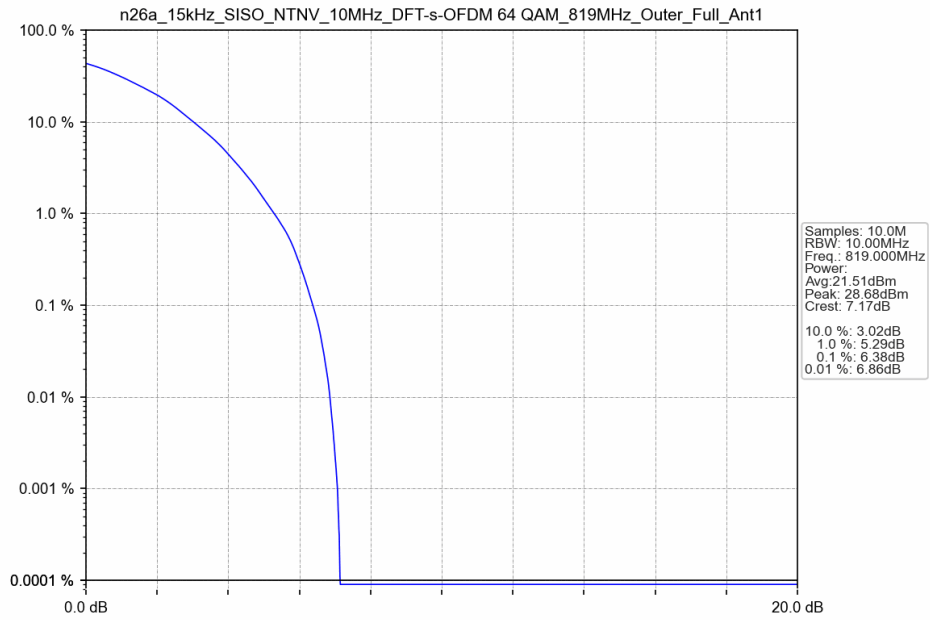
n26a\_15kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM\_16\_QAM\_819MHz\_Outer\_Full\_Ant1



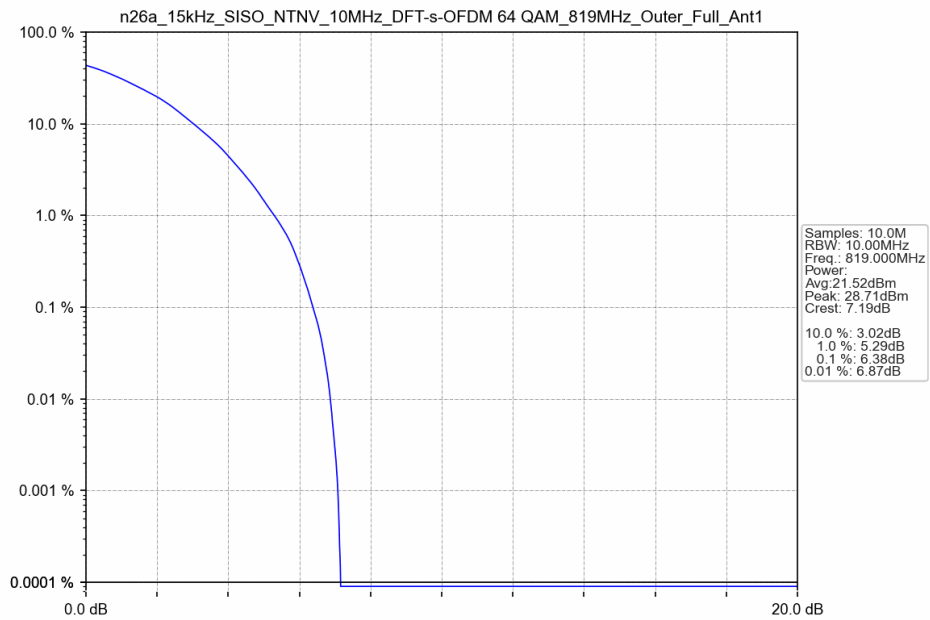
n26a\_15kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM\_64\_QAM\_819MHz\_Outer\_Full\_Ant1



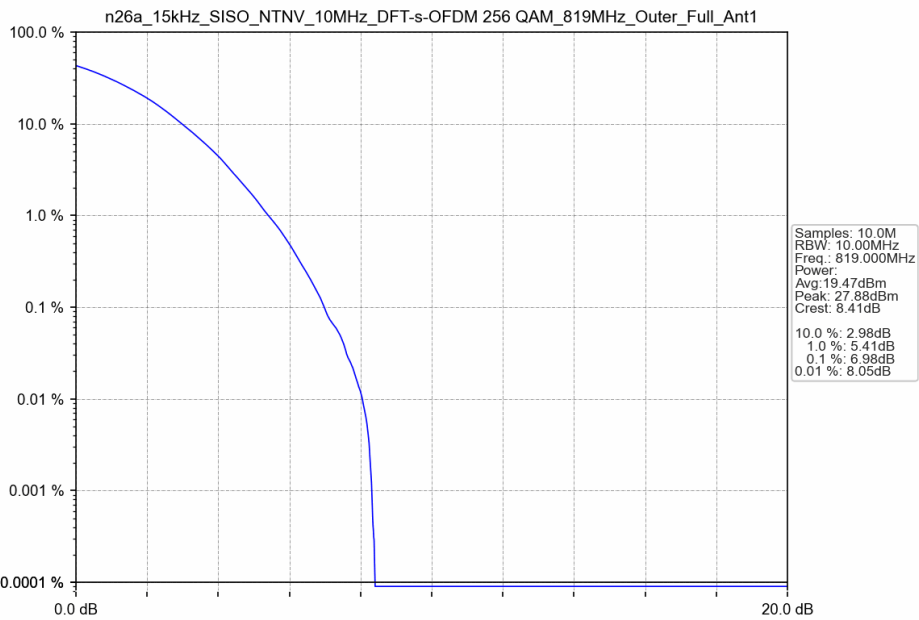
# n26a\_15kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM\_64\_QAM\_819MHz\_Outer\_Full\_Ant1



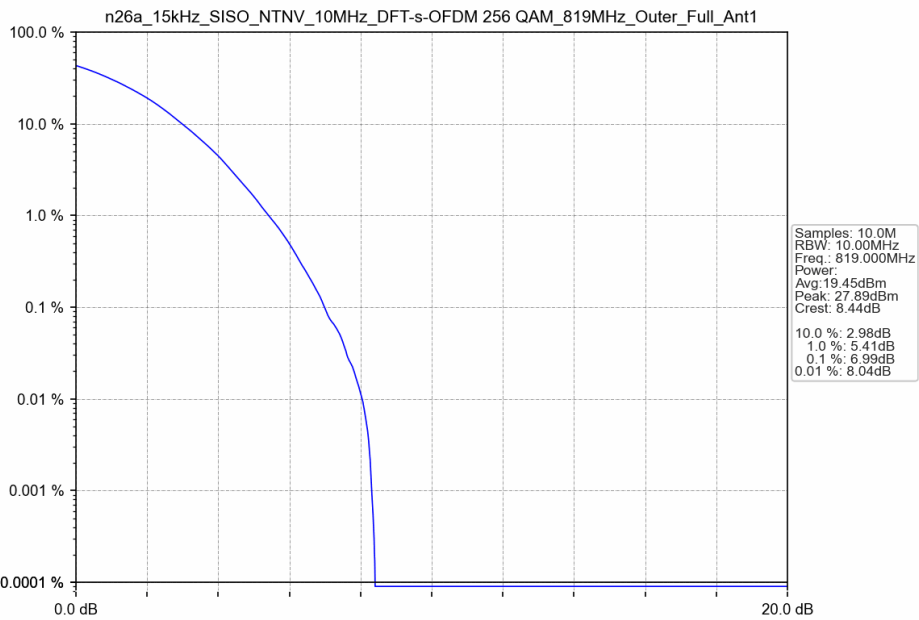
# n26a\_15kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM\_64\_QAM\_819MHz\_Outer\_Full\_Ant1



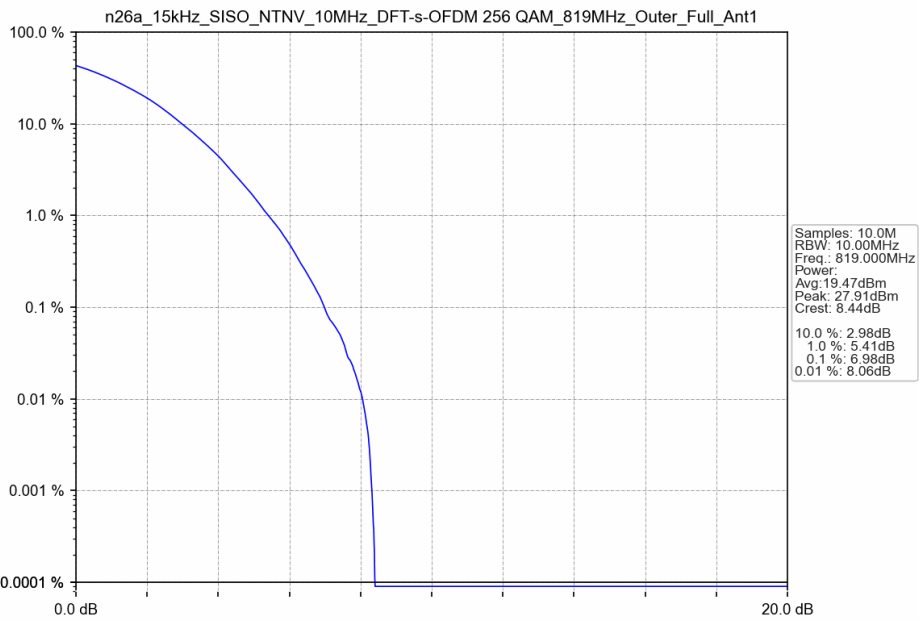
n26a 15kHz SISO NTN 10MHz DFT-s-OFDM 256 QAM 819MHz Outer Full Ant1



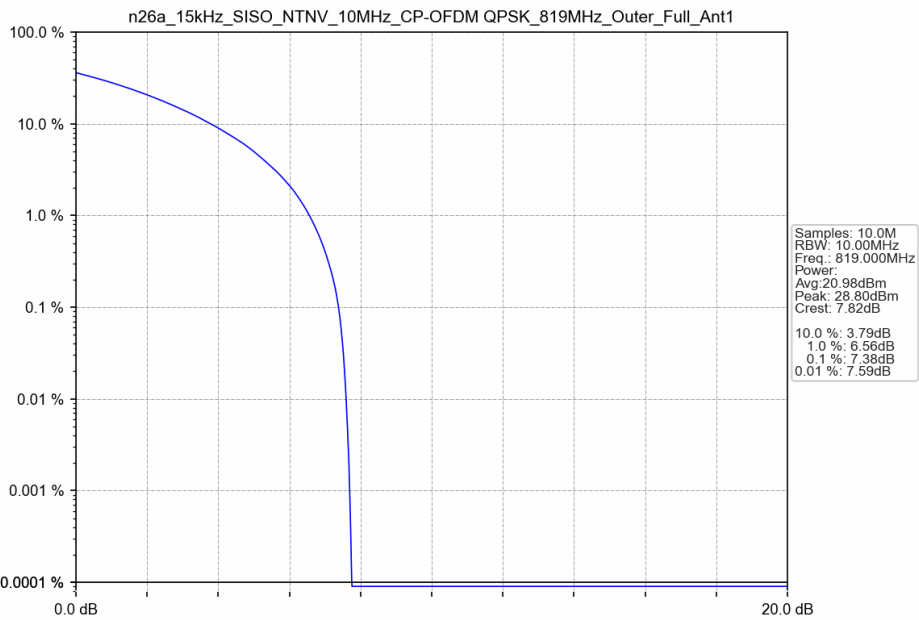
n26a 15kHz SISO NTN 10MHz DFT-s-OFDM 256 QAM 819MHz Outer Full Ant1



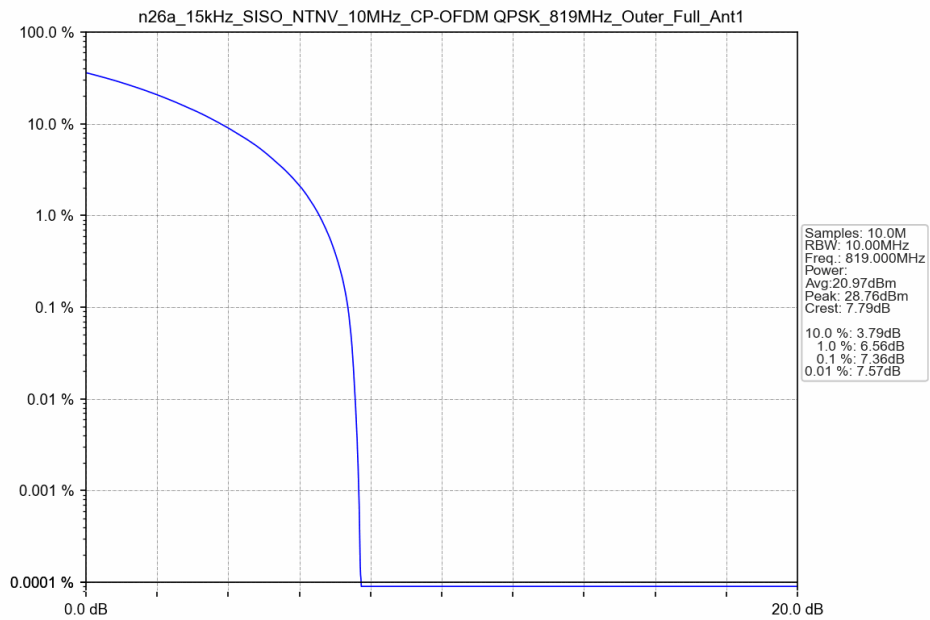
n26a 15kHz SISO NTN 10MHz DFT-s-OFDM 256 QAM 819MHz Outer Full Ant1



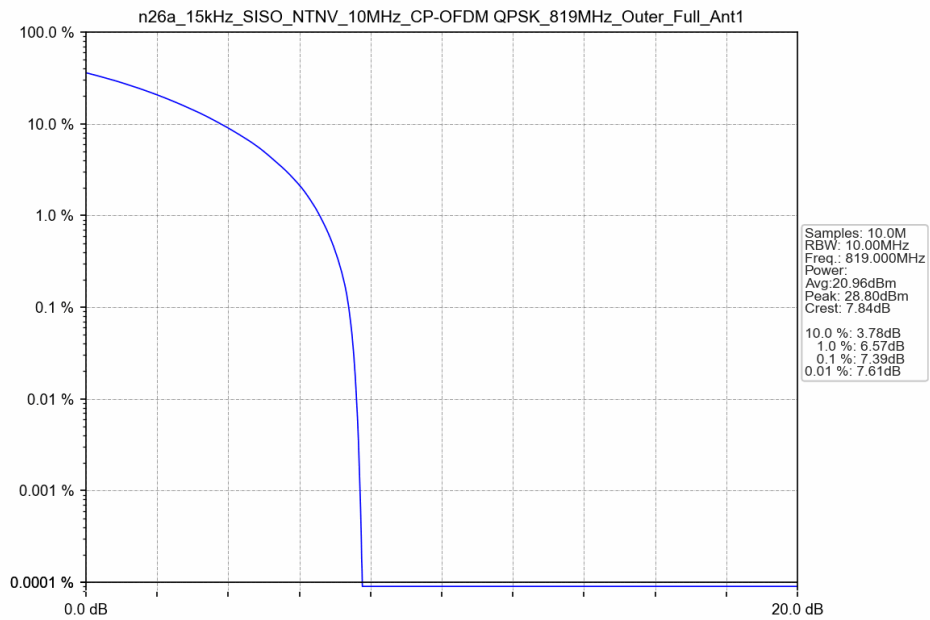
n26a 15kHz SISO NTN 10MHz CP-OFDM QPSK 819MHz Outer Full Ant1



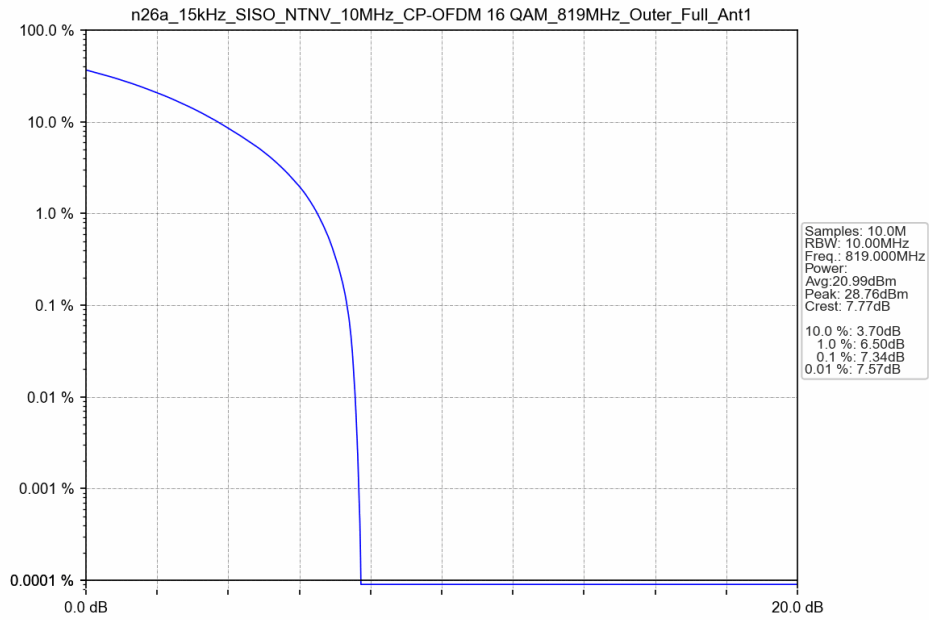
n26a 15kHz SISO NTN 10MHz CP-OFDM QPSK 819MHz Outer Full Ant1



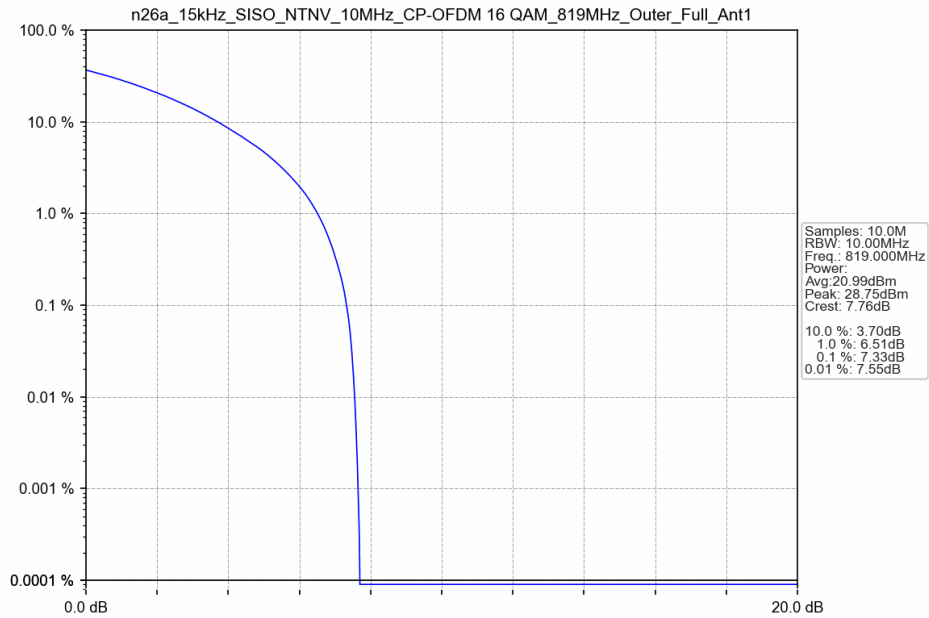
n26a 15kHz SISO NTN 10MHz CP-OFDM QPSK 819MHz Outer Full Ant1



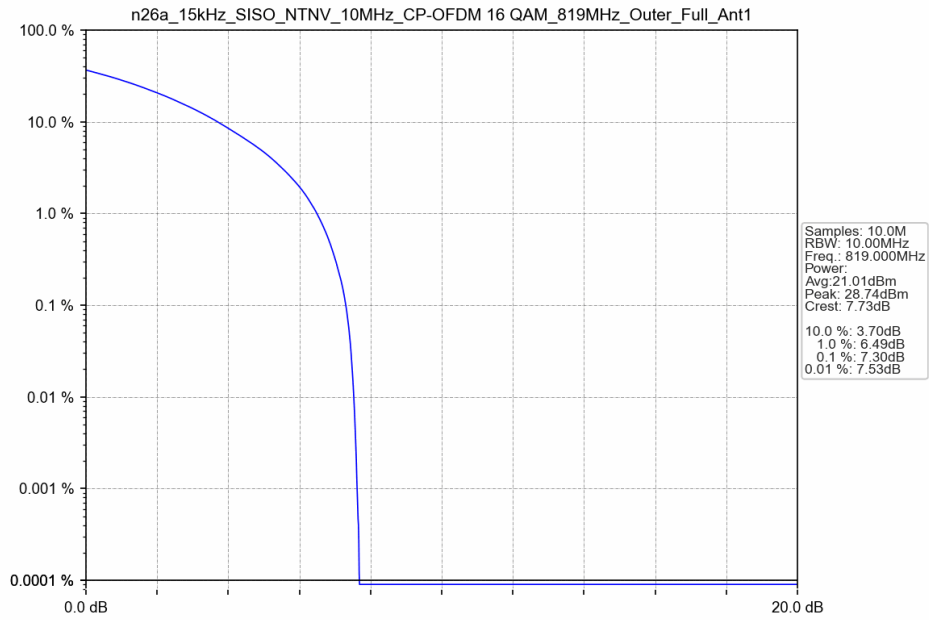
# n26a 15kHz SISO NTN 10MHz CP-OFDM 16 QAM 819MHz Outer Full Ant1



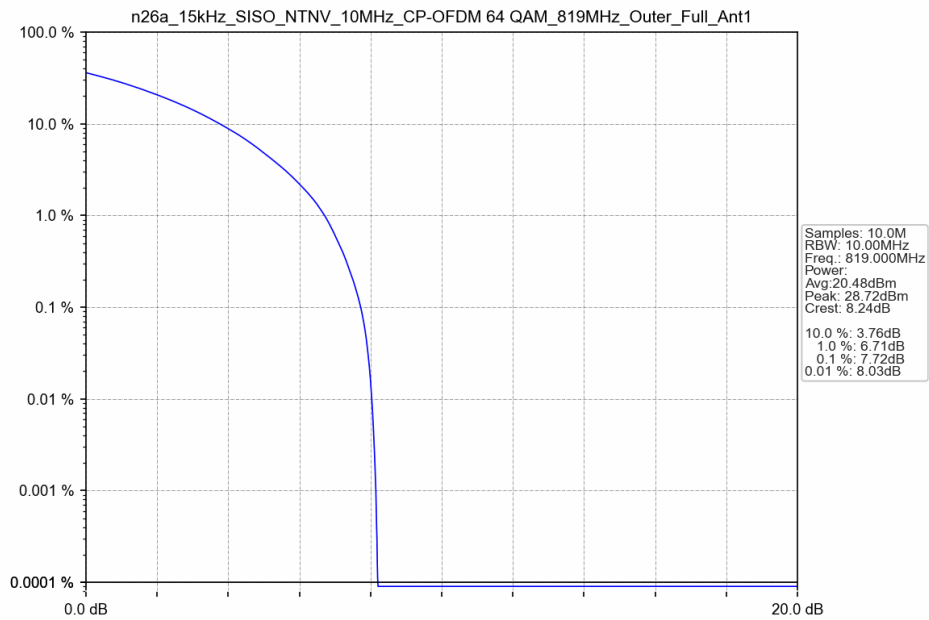
# n26a 15kHz SISO NTN 10MHz CP-OFDM 16 QAM 819MHz Outer Full Ant1



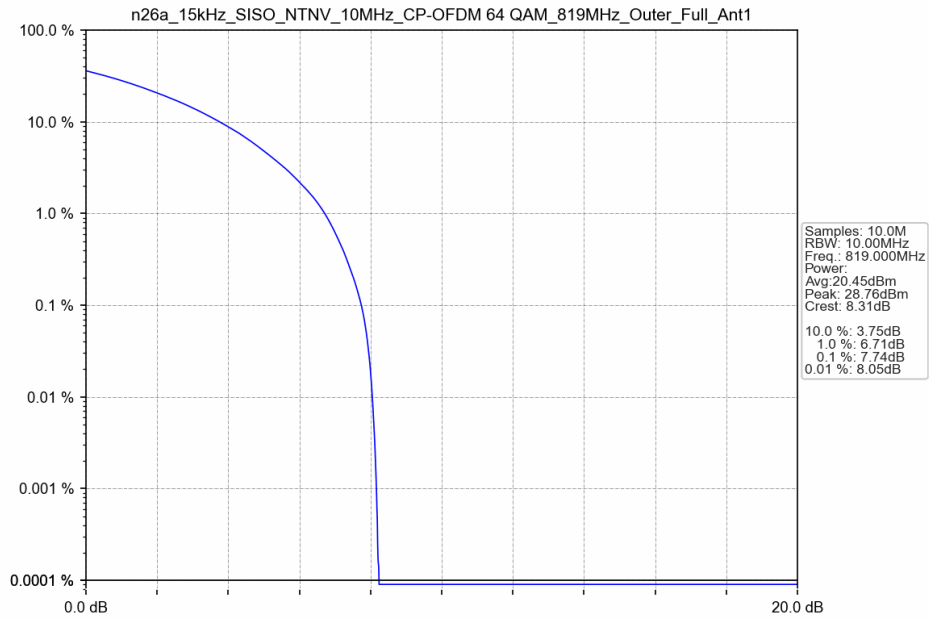
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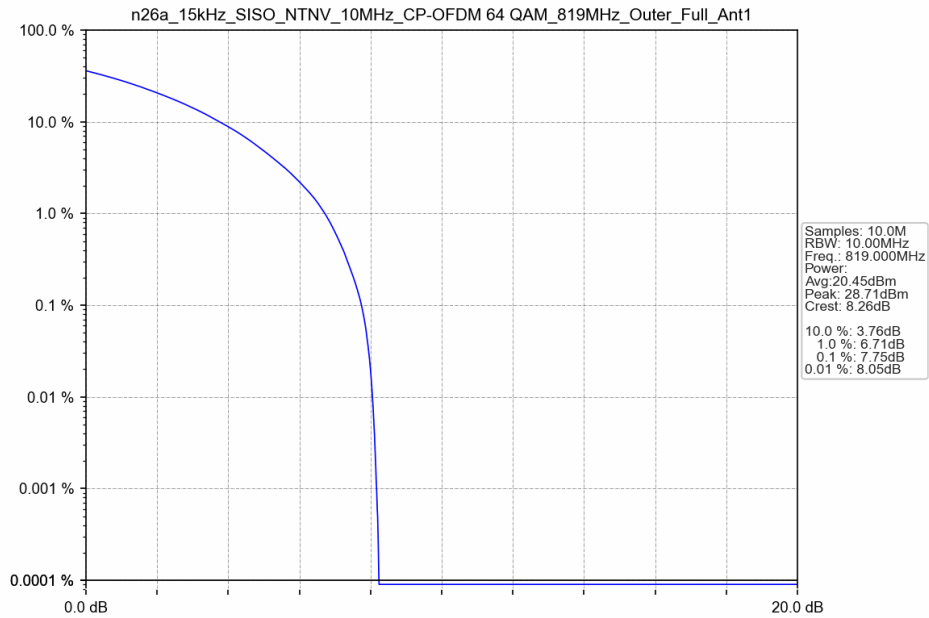
n26a 15kHz SISO NTN 10MHz CP-OFDM 64 QAM 819MHz Outer Full Ant1



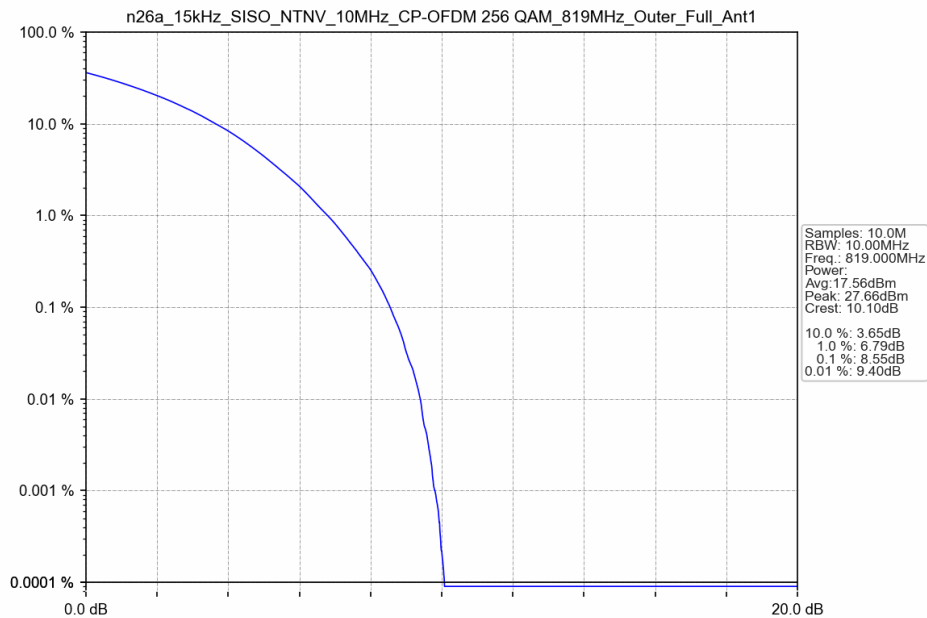
n26a\_15kHz\_SISO\_NTNV\_10MHz\_CP-OFDM\_64\_QAM\_819MHz\_Outer\_Full\_Ant1



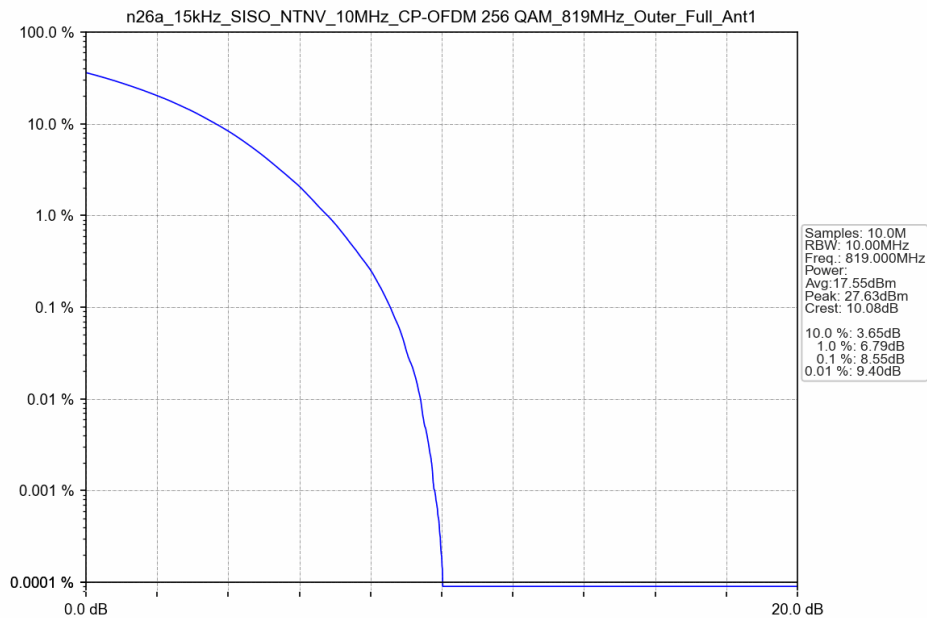
n26a\_15kHz\_SISO\_NTNV\_10MHz\_CP-OFDM\_64\_QAM\_819MHz\_Outer\_Full\_Ant1



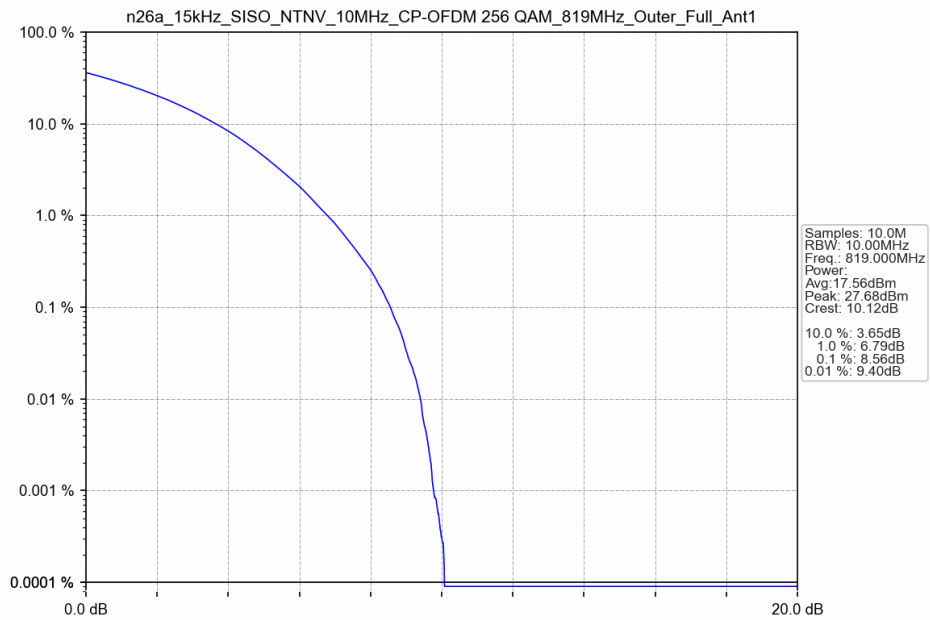
n26a 15kHz SISO NTN 10MHz CP-OFDM 256 QAM 819MHz Outer Full Ant1



n26a 15kHz SISO NTN 10MHz CP-OFDM 256 QAM 819MHz Outer Full Ant1



n26a 15kHz SISO NTN 10MHz CP-OFDM 256 QAM 819MHz Outer Full Ant1



## 5. Spurious Emission

### 5.1 Test Result

#### 5.1.1 15k\_SISO\_5MHz\_NTNV

| 5G NR n26a SCS=15kHz SISO 5MHz NTN |                 |                |                     |                     |     |       |         |      |
|------------------------------------|-----------------|----------------|---------------------|---------------------|-----|-------|---------|------|
| Modulation                         | Frequency (MHz) | RB Allocation  | Spurious Emission   |                     |     |       | Verdict |      |
|                                    |                 |                | Ant1                | Ant2                | Sum | Limit |         |      |
| DFT-s-OFDM QPSK                    | 816.5           | Edge 1RB Left  | Refer To Test Graph |                     |     |       | Pass    |      |
|                                    |                 | Outer Full     | Refer To Test Graph |                     |     |       | Pass    |      |
|                                    |                 | Inner 1RB Left | Refer To Test Graph |                     |     |       | Pass    |      |
|                                    | 819             | Edge 1RB Left  | Refer To Test Graph |                     |     |       | Pass    |      |
|                                    |                 | 821.5          | Edge 1RB Right      | Refer To Test Graph |     |       |         | Pass |
|                                    |                 |                | Outer Full          | Refer To Test Graph |     |       |         | Pass |
|                                    |                 |                | Inner 1RB Right     | Refer To Test Graph |     |       |         | Pass |

#### 5.1.2 15k\_SISO\_10MHz\_NTNV

| 5G NR n26a SCS=15kHz SISO 10MHz NTN |                 |                 |                     |      |     |       |         |
|-------------------------------------|-----------------|-----------------|---------------------|------|-----|-------|---------|
| Modulation                          | Frequency (MHz) | RB Allocation   | Spurious Emission   |      |     |       | Verdict |
|                                     |                 |                 | Ant1                | Ant2 | Sum | Limit |         |
| DFT-s-OFDM QPSK                     | 819             | Edge 1RB Left   | Refer To Test Graph |      |     |       | Pass    |
|                                     |                 | Outer Full      | Refer To Test Graph |      |     |       | Pass    |
|                                     |                 | Inner 1RB Left  | Refer To Test Graph |      |     |       | Pass    |
|                                     | 819             | Edge 1RB Left   | Refer To Test Graph |      |     |       | Pass    |
|                                     |                 | Edge 1RB Right  | Refer To Test Graph |      |     |       | Pass    |
|                                     |                 | Outer Full      | Refer To Test Graph |      |     |       | Pass    |
|                                     |                 | Inner 1RB Right | Refer To Test Graph |      |     |       | Pass    |

5.2 Test Graph

5.2.1 15k\_SISO\_5MHz\_NTNV

