

# 1. Effective (Isotropic) Radiated Power Output Data

## 1.1 Test Result

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

| 5G NR n26b SCS=15kHz SISO 5MHz NTN |                 |                 |                      |      |     |          |      |     |         |         |
|------------------------------------|-----------------|-----------------|----------------------|------|-----|----------|------|-----|---------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation   | Conducted Power(dBm) |      |     | ERP(dBm) |      |     |         | Verdict |
|                                    |                 |                 | Ant31                | Ant2 | Sum | Ant31    | Ant2 | Sum | Limit   |         |
| DFT-s-OFDM PI/2 BPSK               | 826.5           | Edge_1RB_Left   | 23.56                | /    | /   | 16.68    | /    | /   | <=38.45 | Pass    |
|                                    |                 | Edge_1RB_Right  | 23.50                | /    | /   | 16.62    | /    | /   | <=38.45 | Pass    |
|                                    |                 | Outer_Full      | 23.64                | /    | /   | 16.76    | /    | /   | <=38.45 | Pass    |
|                                    |                 | Inner_Full      | 24.07                | /    | /   | 17.19    | /    | /   | <=38.45 | Pass    |
|                                    |                 | Inner_1RB_Left  | 24.10                | /    | /   | 17.22    | /    | /   | <=38.45 | Pass    |
|                                    |                 | Inner_1RB_Right | 24.04                | /    | /   | 17.16    | /    | /   | <=38.45 | Pass    |
|                                    | 836.5           | Edge_1RB_Left   | 23.43                | /    | /   | 16.55    | /    | /   | <=38.45 | Pass    |
|                                    |                 | Edge_1RB_Right  | 23.45                | /    | /   | 16.57    | /    | /   | <=38.45 | Pass    |
|                                    |                 | Outer_Full      | 23.59                | /    | /   | 16.71    | /    | /   | <=38.45 | Pass    |
|                                    |                 | Inner_Full      | 23.96                | /    | /   | 17.08    | /    | /   | <=38.45 | Pass    |
|                                    |                 | Inner_1RB_Left  | 23.95                | /    | /   | 17.07    | /    | /   | <=38.45 | Pass    |
|                                    |                 | Inner_1RB_Right | 23.89                | /    | /   | 17.01    | /    | /   | <=38.45 | Pass    |
|                                    | 846.5           | Edge_1RB_Left   | 23.30                | /    | /   | 16.42    | /    | /   | <=38.45 | Pass    |
|                                    |                 | Edge_1RB_Right  | 23.31                | /    | /   | 16.43    | /    | /   | <=38.45 | Pass    |
|                                    |                 | Outer_Full      | 23.43                | /    | /   | 16.55    | /    | /   | <=38.45 | Pass    |
|                                    |                 | Inner_Full      | 23.88                | /    | /   | 17.00    | /    | /   | <=38.45 | Pass    |
|                                    |                 | Inner_1RB_Left  | 23.87                | /    | /   | 16.99    | /    | /   | <=38.45 | Pass    |
|                                    |                 | Inner_1RB_Right | 23.81                | /    | /   | 16.93    | /    | /   | <=38.45 | Pass    |
| DFT-s-OFDM QPSK                    | 826.5           | Edge_1RB_Left   | 23.16                | /    | /   | 16.28    | /    | /   | <=38.45 | Pass    |
|                                    |                 | Edge_1RB_Right  | 23.00                | /    | /   | 16.12    | /    | /   | <=38.45 | Pass    |
|                                    |                 | Outer_Full      | 23.06                | /    | /   | 16.18    | /    | /   | <=38.45 | Pass    |
|                                    |                 | Inner_Full      | 24.15                | /    | /   | 17.27    | /    | /   | <=38.45 | Pass    |
|                                    |                 | Inner_1RB_Left  | 24.16                | /    | /   | 17.28    | /    | /   | <=38.45 | Pass    |
|                                    |                 | Inner_1RB_Right | 24.24                | /    | /   | 17.36    | /    | /   | <=38.45 | Pass    |
|                                    | 836.5           | Edge_1RB_Left   | 22.95                | /    | /   | 16.07    | /    | /   | <=38.45 | Pass    |
|                                    |                 | Edge_1RB_Right  | 23.02                | /    | /   | 16.14    | /    | /   | <=38.45 | Pass    |
|                                    |                 | Outer_Full      | 22.94                | /    | /   | 16.06    | /    | /   | <=38.45 | Pass    |
|                                    |                 | Inner_Full      | 24.00                | /    | /   | 17.12    | /    | /   | <=38.45 | Pass    |
|                                    |                 | Inner_1RB_Left  | 24.02                | /    | /   | 17.14    | /    | /   | <=38.45 | Pass    |
|                                    |                 | Inner_1RB_Right | 24.17                | /    | /   | 17.29    | /    | /   | <=38.45 | Pass    |
|                                    | 846.5           | Edge_1RB_Left   | 22.86                | /    | /   | 15.98    | /    | /   | <=38.45 | Pass    |
|                                    |                 | Edge_1RB_Right  | 22.94                | /    | /   | 16.06    | /    | /   | <=38.45 | Pass    |
|                                    |                 | Outer_Full      | 22.84                | /    | /   | 15.96    | /    | /   | <=38.45 | Pass    |
|                                    |                 | Inner_Full      | 23.90                | /    | /   | 17.02    | /    | /   | <=38.45 | Pass    |
|                                    |                 | Inner_1RB_Left  | 23.83                | /    | /   | 16.95    | /    | /   | <=38.45 | Pass    |
|                                    |                 | Inner_1RB_Right | 24.00                | /    | /   | 17.12    | /    | /   | <=38.45 | Pass    |
| DFT-s-OFDM 16 QAM                  | 826.5           | Edge_1RB_Left   | 22.14                | /    | /   | 15.26    | /    | /   | <=38.45 | Pass    |
|                                    |                 | Edge_1RB_Right  | 22.07                | /    | /   | 15.19    | /    | /   | <=38.45 | Pass    |
|                                    |                 | Outer_Full      | 22.10                | /    | /   | 15.22    | /    | /   | <=38.45 | Pass    |
|                                    |                 | Inner_Full      | 22.98                | /    | /   | 16.10    | /    | /   | <=38.45 | Pass    |
|                                    |                 | Inner_1RB_Left  | 23.16                | /    | /   | 16.28    | /    | /   | <=38.45 | Pass    |
|                                    |                 | Inner_1RB_Right | 23.12                | /    | /   | 16.24    | /    | /   | <=38.45 | Pass    |
|                                    | 836.5           | Edge_1RB_Left   | 22.06                | /    | /   | 15.18    | /    | /   | <=38.45 | Pass    |
|                                    |                 | Edge_1RB_Right  | 22.21                | /    | /   | 15.33    | /    | /   | <=38.45 | Pass    |
|                                    |                 | Outer_Full      | 21.99                | /    | /   | 15.11    | /    | /   | <=38.45 | Pass    |
|                                    |                 | Inner_Full      | 22.80                | /    | /   | 15.92    | /    | /   | <=38.45 | Pass    |
|                                    |                 | Inner_1RB_Left  | 23.08                | /    | /   | 16.20    | /    | /   | <=38.45 | Pass    |
|                                    |                 | Inner_1RB_Right | 23.05                | /    | /   | 16.17    | /    | /   | <=38.45 | Pass    |
|                                    | 846.5           | Edge_1RB_Left   | 21.91                | /    | /   | 15.03    | /    | /   | <=38.45 | Pass    |

|                    |       |                 |       |   |   |       |   |   |         |      |
|--------------------|-------|-----------------|-------|---|---|-------|---|---|---------|------|
|                    |       | Edge_1RB_Right  | 21.92 | / | / | 15.04 | / | / | <=38.45 | Pass |
|                    |       | Outer_Full      | 21.89 | / | / | 15.01 | / | / | <=38.45 | Pass |
|                    |       | Inner_Full      | 22.69 | / | / | 15.81 | / | / | <=38.45 | Pass |
|                    |       | Inner_1RB_Left  | 22.93 | / | / | 16.05 | / | / | <=38.45 | Pass |
|                    |       | Inner_1RB_Right | 22.96 | / | / | 16.08 | / | / | <=38.45 | Pass |
| DFT-s-OFDM 64 QAM  | 826.5 | Edge_1RB_Left   | 21.80 | / | / | 14.92 | / | / | <=38.45 | Pass |
|                    |       | Edge_1RB_Right  | 21.64 | / | / | 14.76 | / | / | <=38.45 | Pass |
|                    |       | Outer_Full      | 21.67 | / | / | 14.79 | / | / | <=38.45 | Pass |
|                    |       | Inner_Full      | 21.56 | / | / | 14.68 | / | / | <=38.45 | Pass |
|                    |       | Inner_1RB_Left  | 21.79 | / | / | 14.91 | / | / | <=38.45 | Pass |
|                    |       | Inner_1RB_Right | 21.73 | / | / | 14.85 | / | / | <=38.45 | Pass |
|                    | 836.5 | Edge_1RB_Left   | 21.53 | / | / | 14.65 | / | / | <=38.45 | Pass |
|                    |       | Edge_1RB_Right  | 21.62 | / | / | 14.74 | / | / | <=38.45 | Pass |
|                    |       | Outer_Full      | 21.55 | / | / | 14.67 | / | / | <=38.45 | Pass |
|                    |       | Inner_Full      | 21.43 | / | / | 14.55 | / | / | <=38.45 | Pass |
|                    |       | Inner_1RB_Left  | 21.65 | / | / | 14.77 | / | / | <=38.45 | Pass |
|                    |       | Inner_1RB_Right | 21.64 | / | / | 14.76 | / | / | <=38.45 | Pass |
|                    | 846.5 | Edge_1RB_Left   | 21.45 | / | / | 14.57 | / | / | <=38.45 | Pass |
|                    |       | Edge_1RB_Right  | 21.47 | / | / | 14.59 | / | / | <=38.45 | Pass |
|                    |       | Outer_Full      | 21.43 | / | / | 14.55 | / | / | <=38.45 | Pass |
|                    |       | Inner_Full      | 21.46 | / | / | 14.58 | / | / | <=38.45 | Pass |
|                    |       | Inner_1RB_Left  | 21.50 | / | / | 14.62 | / | / | <=38.45 | Pass |
|                    |       | Inner_1RB_Right | 21.48 | / | / | 14.60 | / | / | <=38.45 | Pass |
| DFT-s-OFDM 256 QAM | 826.5 | Edge_1RB_Left   | 19.31 | / | / | 12.43 | / | / | <=38.45 | Pass |
|                    |       | Edge_1RB_Right  | 19.24 | / | / | 12.36 | / | / | <=38.45 | Pass |
|                    |       | Outer_Full      | 19.52 | / | / | 12.64 | / | / | <=38.45 | Pass |
|                    |       | Inner_Full      | 19.47 | / | / | 12.59 | / | / | <=38.45 | Pass |
|                    |       | Inner_1RB_Left  | 19.36 | / | / | 12.48 | / | / | <=38.45 | Pass |
|                    |       | Inner_1RB_Right | 19.25 | / | / | 12.37 | / | / | <=38.45 | Pass |
|                    | 836.5 | Edge_1RB_Left   | 19.27 | / | / | 12.39 | / | / | <=38.45 | Pass |
|                    |       | Edge_1RB_Right  | 19.15 | / | / | 12.27 | / | / | <=38.45 | Pass |
|                    |       | Outer_Full      | 19.44 | / | / | 12.56 | / | / | <=38.45 | Pass |
|                    |       | Inner_Full      | 19.41 | / | / | 12.53 | / | / | <=38.45 | Pass |
|                    |       | Inner_1RB_Left  | 19.26 | / | / | 12.38 | / | / | <=38.45 | Pass |
|                    |       | Inner_1RB_Right | 19.25 | / | / | 12.37 | / | / | <=38.45 | Pass |
|                    | 846.5 | Edge_1RB_Left   | 19.21 | / | / | 12.33 | / | / | <=38.45 | Pass |
|                    |       | Edge_1RB_Right  | 19.10 | / | / | 12.22 | / | / | <=38.45 | Pass |
|                    |       | Outer_Full      | 19.33 | / | / | 12.45 | / | / | <=38.45 | Pass |
|                    |       | Inner_Full      | 19.32 | / | / | 12.44 | / | / | <=38.45 | Pass |
|                    |       | Inner_1RB_Left  | 19.24 | / | / | 12.36 | / | / | <=38.45 | Pass |
|                    |       | Inner_1RB_Right | 19.08 | / | / | 12.20 | / | / | <=38.45 | Pass |
| CP-OFDM QPSK       | 826.5 | Edge_1RB_Left   | 21.21 | / | / | 14.33 | / | / | <=38.45 | Pass |
|                    |       | Edge_1RB_Right  | 21.15 | / | / | 14.27 | / | / | <=38.45 | Pass |
|                    |       | Outer_Full      | 21.03 | / | / | 14.15 | / | / | <=38.45 | Pass |
|                    |       | Inner_Full      | 22.77 | / | / | 15.89 | / | / | <=38.45 | Pass |
|                    |       | Inner_1RB_Left  | 22.56 | / | / | 15.68 | / | / | <=38.45 | Pass |
|                    |       | Inner_1RB_Right | 22.58 | / | / | 15.70 | / | / | <=38.45 | Pass |
|                    | 836.5 | Edge_1RB_Left   | 21.15 | / | / | 14.27 | / | / | <=38.45 | Pass |
|                    |       | Edge_1RB_Right  | 21.06 | / | / | 14.18 | / | / | <=38.45 | Pass |
|                    |       | Outer_Full      | 21.11 | / | / | 14.23 | / | / | <=38.45 | Pass |
|                    |       | Inner_Full      | 22.57 | / | / | 15.69 | / | / | <=38.45 | Pass |
|                    |       | Inner_1RB_Left  | 22.56 | / | / | 15.68 | / | / | <=38.45 | Pass |
|                    |       | Inner_1RB_Right | 22.48 | / | / | 15.60 | / | / | <=38.45 | Pass |
|                    | 846.5 | Edge_1RB_Left   | 21.03 | / | / | 14.15 | / | / | <=38.45 | Pass |
|                    |       | Edge_1RB_Right  | 20.96 | / | / | 14.08 | / | / | <=38.45 | Pass |
|                    |       | Outer_Full      | 20.94 | / | / | 14.06 | / | / | <=38.45 | Pass |
|                    |       | Inner_Full      | 22.33 | / | / | 15.45 | / | / | <=38.45 | Pass |
|                    |       | Inner_1RB_Left  | 22.42 | / | / | 15.54 | / | / | <=38.45 | Pass |
|                    |       | Inner_1RB_Right | 22.41 | / | / | 15.53 | / | / | <=38.45 | Pass |

|                                              |       |                 |       |   |   |       |   |   |         |      |
|----------------------------------------------|-------|-----------------|-------|---|---|-------|---|---|---------|------|
| CP-OFDM 16 QAM                               | 826.5 | Edge_1RB_Left   | 21.00 | / | / | 14.12 | / | / | <=38.45 | Pass |
|                                              |       | Edge_1RB_Right  | 20.91 | / | / | 14.03 | / | / | <=38.45 | Pass |
|                                              |       | Outer_Full      | 21.00 | / | / | 14.12 | / | / | <=38.45 | Pass |
|                                              |       | Inner_Full      | 22.07 | / | / | 15.19 | / | / | <=38.45 | Pass |
|                                              |       | Inner_1RB_Left  | 21.98 | / | / | 15.10 | / | / | <=38.45 | Pass |
|                                              |       | Inner_1RB_Right | 21.90 | / | / | 15.02 | / | / | <=38.45 | Pass |
|                                              | 836.5 | Edge_1RB_Left   | 21.01 | / | / | 14.13 | / | / | <=38.45 | Pass |
|                                              |       | Edge_1RB_Right  | 20.96 | / | / | 14.08 | / | / | <=38.45 | Pass |
|                                              |       | Outer_Full      | 20.95 | / | / | 14.07 | / | / | <=38.45 | Pass |
|                                              |       | Inner_Full      | 22.01 | / | / | 15.13 | / | / | <=38.45 | Pass |
|                                              |       | Inner_1RB_Left  | 22.09 | / | / | 15.21 | / | / | <=38.45 | Pass |
|                                              |       | Inner_1RB_Right | 22.02 | / | / | 15.14 | / | / | <=38.45 | Pass |
|                                              | 846.5 | Edge_1RB_Left   | 20.80 | / | / | 13.92 | / | / | <=38.45 | Pass |
|                                              |       | Edge_1RB_Right  | 20.68 | / | / | 13.80 | / | / | <=38.45 | Pass |
|                                              |       | Outer_Full      | 20.83 | / | / | 13.95 | / | / | <=38.45 | Pass |
|                                              |       | Inner_Full      | 21.98 | / | / | 15.10 | / | / | <=38.45 | Pass |
|                                              |       | Inner_1RB_Left  | 21.82 | / | / | 14.94 | / | / | <=38.45 | Pass |
|                                              |       | Inner_1RB_Right | 21.79 | / | / | 14.91 | / | / | <=38.45 | Pass |
| CP-OFDM 64 QAM                               | 826.5 | Edge_1RB_Left   | 20.76 | / | / | 13.88 | / | / | <=38.45 | Pass |
|                                              |       | Edge_1RB_Right  | 20.66 | / | / | 13.78 | / | / | <=38.45 | Pass |
|                                              |       | Outer_Full      | 20.74 | / | / | 13.86 | / | / | <=38.45 | Pass |
|                                              |       | Inner_Full      | 20.55 | / | / | 13.67 | / | / | <=38.45 | Pass |
|                                              |       | Inner_1RB_Left  | 20.76 | / | / | 13.88 | / | / | <=38.45 | Pass |
|                                              |       | Inner_1RB_Right | 20.62 | / | / | 13.74 | / | / | <=38.45 | Pass |
|                                              | 836.5 | Edge_1RB_Left   | 20.71 | / | / | 13.83 | / | / | <=38.45 | Pass |
|                                              |       | Edge_1RB_Right  | 20.54 | / | / | 13.66 | / | / | <=38.45 | Pass |
|                                              |       | Outer_Full      | 20.64 | / | / | 13.76 | / | / | <=38.45 | Pass |
|                                              |       | Inner_Full      | 20.47 | / | / | 13.59 | / | / | <=38.45 | Pass |
|                                              |       | Inner_1RB_Left  | 20.65 | / | / | 13.77 | / | / | <=38.45 | Pass |
|                                              |       | Inner_1RB_Right | 20.58 | / | / | 13.70 | / | / | <=38.45 | Pass |
|                                              | 846.5 | Edge_1RB_Left   | 20.50 | / | / | 13.62 | / | / | <=38.45 | Pass |
|                                              |       | Edge_1RB_Right  | 20.50 | / | / | 13.62 | / | / | <=38.45 | Pass |
|                                              |       | Outer_Full      | 20.59 | / | / | 13.71 | / | / | <=38.45 | Pass |
|                                              |       | Inner_Full      | 20.51 | / | / | 13.63 | / | / | <=38.45 | Pass |
|                                              |       | Inner_1RB_Left  | 20.57 | / | / | 13.69 | / | / | <=38.45 | Pass |
|                                              |       | Inner_1RB_Right | 20.35 | / | / | 13.47 | / | / | <=38.45 | Pass |
| CP-OFDM 256 QAM                              | 826.5 | Edge_1RB_Left   | 17.31 | / | / | 10.43 | / | / | <=38.45 | Pass |
|                                              |       | Edge_1RB_Right  | 17.24 | / | / | 10.36 | / | / | <=38.45 | Pass |
|                                              |       | Outer_Full      | 17.56 | / | / | 10.68 | / | / | <=38.45 | Pass |
|                                              |       | Inner_Full      | 17.56 | / | / | 10.68 | / | / | <=38.45 | Pass |
|                                              |       | Inner_1RB_Left  | 17.26 | / | / | 10.38 | / | / | <=38.45 | Pass |
|                                              |       | Inner_1RB_Right | 17.16 | / | / | 10.28 | / | / | <=38.45 | Pass |
|                                              | 836.5 | Edge_1RB_Left   | 17.16 | / | / | 10.28 | / | / | <=38.45 | Pass |
|                                              |       | Edge_1RB_Right  | 17.23 | / | / | 10.35 | / | / | <=38.45 | Pass |
|                                              |       | Outer_Full      | 17.49 | / | / | 10.61 | / | / | <=38.45 | Pass |
|                                              |       | Inner_Full      | 17.49 | / | / | 10.61 | / | / | <=38.45 | Pass |
|                                              |       | Inner_1RB_Left  | 17.22 | / | / | 10.34 | / | / | <=38.45 | Pass |
|                                              |       | Inner_1RB_Right | 17.07 | / | / | 10.19 | / | / | <=38.45 | Pass |
|                                              | 846.5 | Edge_1RB_Left   | 17.17 | / | / | 10.29 | / | / | <=38.45 | Pass |
|                                              |       | Edge_1RB_Right  | 17.04 | / | / | 10.16 | / | / | <=38.45 | Pass |
|                                              |       | Outer_Full      | 17.38 | / | / | 10.50 | / | / | <=38.45 | Pass |
|                                              |       | Inner_Full      | 17.39 | / | / | 10.51 | / | / | <=38.45 | Pass |
|                                              |       | Inner_1RB_Left  | 17.07 | / | / | 10.19 | / | / | <=38.45 | Pass |
|                                              |       | Inner_1RB_Right | 17.14 | / | / | 10.26 | / | / | <=38.45 | Pass |
| Note1: Antenna Gain: Ant31: -4.73dBi;        |       |                 |       |   |   |       |   |   |         |      |
| Note2: ERP=Conducted Power+Antenna Gain-2.15 |       |                 |       |   |   |       |   |   |         |      |

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

| 5G NR n26b SCS=15kHz SISO 10MHz NTN |                 |                 |                      |      |     |          |      |     |         |         |
|-------------------------------------|-----------------|-----------------|----------------------|------|-----|----------|------|-----|---------|---------|
| Modulation                          | Frequency (MHz) | RB Allocation   | Conducted Power(dBm) |      |     | ERP(dBm) |      |     |         | Verdict |
|                                     |                 |                 | Ant31                | Ant2 | Sum | Ant31    | Ant2 | Sum | Limit   |         |
| DFT-s-OFDM PI/2 BPSK                | 829             | Edge_1RB_Left   | 23.53                | /    | /   | 16.65    | /    | /   | <=38.45 | Pass    |
|                                     |                 | Edge_1RB_Right  | 23.44                | /    | /   | 16.56    | /    | /   | <=38.45 | Pass    |
|                                     |                 | Outer_Full      | 23.59                | /    | /   | 16.71    | /    | /   | <=38.45 | Pass    |
|                                     |                 | Inner_Full      | 24.11                | /    | /   | 17.23    | /    | /   | <=38.45 | Pass    |
|                                     |                 | Inner_1RB_Left  | 23.95                | /    | /   | 17.07    | /    | /   | <=38.45 | Pass    |
|                                     |                 | Inner_1RB_Right | 23.98                | /    | /   | 17.10    | /    | /   | <=38.45 | Pass    |
|                                     | 836.5           | Edge_1RB_Left   | 23.47                | /    | /   | 16.59    | /    | /   | <=38.45 | Pass    |
|                                     |                 | Edge_1RB_Right  | 23.39                | /    | /   | 16.51    | /    | /   | <=38.45 | Pass    |
|                                     |                 | Outer_Full      | 23.63                | /    | /   | 16.75    | /    | /   | <=38.45 | Pass    |
|                                     |                 | Inner_Full      | 24.00                | /    | /   | 17.12    | /    | /   | <=38.45 | Pass    |
|                                     |                 | Inner_1RB_Left  | 23.95                | /    | /   | 17.07    | /    | /   | <=38.45 | Pass    |
|                                     |                 | Inner_1RB_Right | 23.94                | /    | /   | 17.06    | /    | /   | <=38.45 | Pass    |
|                                     | 844             | Edge_1RB_Left   | 23.43                | /    | /   | 16.55    | /    | /   | <=38.45 | Pass    |
|                                     |                 | Edge_1RB_Right  | 23.25                | /    | /   | 16.37    | /    | /   | <=38.45 | Pass    |
|                                     |                 | Outer_Full      | 23.55                | /    | /   | 16.67    | /    | /   | <=38.45 | Pass    |
|                                     |                 | Inner_Full      | 23.91                | /    | /   | 17.03    | /    | /   | <=38.45 | Pass    |
|                                     |                 | Inner_1RB_Left  | 23.89                | /    | /   | 17.01    | /    | /   | <=38.45 | Pass    |
|                                     |                 | Inner_1RB_Right | 23.88                | /    | /   | 17.00    | /    | /   | <=38.45 | Pass    |
| DFT-s-OFDM QPSK                     | 829             | Edge_1RB_Left   | 23.00                | /    | /   | 16.12    | /    | /   | <=38.45 | Pass    |
|                                     |                 | Edge_1RB_Right  | 23.00                | /    | /   | 16.12    | /    | /   | <=38.45 | Pass    |
|                                     |                 | Outer_Full      | 23.10                | /    | /   | 16.22    | /    | /   | <=38.45 | Pass    |
|                                     |                 | Inner_Full      | 24.04                | /    | /   | 17.16    | /    | /   | <=38.45 | Pass    |
|                                     |                 | Inner_1RB_Left  | 24.09                | /    | /   | 17.21    | /    | /   | <=38.45 | Pass    |
|                                     |                 | Inner_1RB_Right | 23.99                | /    | /   | 17.11    | /    | /   | <=38.45 | Pass    |
|                                     | 836.5           | Edge_1RB_Left   | 23.04                | /    | /   | 16.16    | /    | /   | <=38.45 | Pass    |
|                                     |                 | Edge_1RB_Right  | 22.97                | /    | /   | 16.09    | /    | /   | <=38.45 | Pass    |
|                                     |                 | Outer_Full      | 22.98                | /    | /   | 16.10    | /    | /   | <=38.45 | Pass    |
|                                     |                 | Inner_Full      | 23.99                | /    | /   | 17.11    | /    | /   | <=38.45 | Pass    |
|                                     |                 | Inner_1RB_Left  | 24.08                | /    | /   | 17.20    | /    | /   | <=38.45 | Pass    |
|                                     |                 | Inner_1RB_Right | 24.05                | /    | /   | 17.17    | /    | /   | <=38.45 | Pass    |
|                                     | 844             | Edge_1RB_Left   | 22.95                | /    | /   | 16.07    | /    | /   | <=38.45 | Pass    |
|                                     |                 | Edge_1RB_Right  | 22.82                | /    | /   | 15.94    | /    | /   | <=38.45 | Pass    |
|                                     |                 | Outer_Full      | 22.90                | /    | /   | 16.02    | /    | /   | <=38.45 | Pass    |
|                                     |                 | Inner_Full      | 23.90                | /    | /   | 17.02    | /    | /   | <=38.45 | Pass    |
|                                     |                 | Inner_1RB_Left  | 23.76                | /    | /   | 16.88    | /    | /   | <=38.45 | Pass    |
|                                     |                 | Inner_1RB_Right | 23.89                | /    | /   | 17.01    | /    | /   | <=38.45 | Pass    |
| DFT-s-OFDM 16 QAM                   | 829             | Edge_1RB_Left   | 22.18                | /    | /   | 15.30    | /    | /   | <=38.45 | Pass    |
|                                     |                 | Edge_1RB_Right  | 22.02                | /    | /   | 15.14    | /    | /   | <=38.45 | Pass    |
|                                     |                 | Outer_Full      | 22.05                | /    | /   | 15.17    | /    | /   | <=38.45 | Pass    |
|                                     |                 | Inner_Full      | 23.03                | /    | /   | 16.15    | /    | /   | <=38.45 | Pass    |
|                                     |                 | Inner_1RB_Left  | 23.19                | /    | /   | 16.31    | /    | /   | <=38.45 | Pass    |
|                                     |                 | Inner_1RB_Right | 23.10                | /    | /   | 16.22    | /    | /   | <=38.45 | Pass    |
|                                     | 836.5           | Edge_1RB_Left   | 22.14                | /    | /   | 15.26    | /    | /   | <=38.45 | Pass    |
|                                     |                 | Edge_1RB_Right  | 22.02                | /    | /   | 15.14    | /    | /   | <=38.45 | Pass    |
|                                     |                 | Outer_Full      | 21.93                | /    | /   | 15.05    | /    | /   | <=38.45 | Pass    |
|                                     |                 | Inner_Full      | 22.89                | /    | /   | 16.01    | /    | /   | <=38.45 | Pass    |
|                                     |                 | Inner_1RB_Left  | 23.05                | /    | /   | 16.17    | /    | /   | <=38.45 | Pass    |
|                                     |                 | Inner_1RB_Right | 22.99                | /    | /   | 16.11    | /    | /   | <=38.45 | Pass    |
|                                     | 844             | Edge_1RB_Left   | 21.98                | /    | /   | 15.10    | /    | /   | <=38.45 | Pass    |
|                                     |                 | Edge_1RB_Right  | 21.86                | /    | /   | 14.98    | /    | /   | <=38.45 | Pass    |
|                                     |                 | Outer_Full      | 21.85                | /    | /   | 14.97    | /    | /   | <=38.45 | Pass    |
|                                     |                 | Inner_Full      | 22.91                | /    | /   | 16.03    | /    | /   | <=38.45 | Pass    |
|                                     |                 | Inner_1RB_Left  | 23.02                | /    | /   | 16.14    | /    | /   | <=38.45 | Pass    |
|                                     |                 | Inner_1RB_Right | 22.90                | /    | /   | 16.02    | /    | /   | <=38.45 | Pass    |
| DFT-s-OFDM 64 QAM                   | 829             | Edge_1RB_Left   | 21.66                | /    | /   | 14.78    | /    | /   | <=38.45 | Pass    |
|                                     |                 | Edge_1RB_Right  | 21.58                | /    | /   | 14.70    | /    | /   | <=38.45 | Pass    |

|                    |       |                 |       |   |   |       |   |   |         |      |
|--------------------|-------|-----------------|-------|---|---|-------|---|---|---------|------|
|                    |       | Outer_Full      | 21.55 | / | / | 14.67 | / | / | <=38.45 | Pass |
|                    |       | Inner_Full      | 21.59 | / | / | 14.71 | / | / | <=38.45 | Pass |
|                    |       | Inner_1RB_Left  | 21.68 | / | / | 14.80 | / | / | <=38.45 | Pass |
|                    |       | Inner_1RB_Right | 21.58 | / | / | 14.70 | / | / | <=38.45 | Pass |
|                    | 836.5 | Edge_1RB_Left   | 21.68 | / | / | 14.80 | / | / | <=38.45 | Pass |
|                    |       | Edge_1RB_Right  | 21.58 | / | / | 14.70 | / | / | <=38.45 | Pass |
|                    |       | Outer_Full      | 21.51 | / | / | 14.63 | / | / | <=38.45 | Pass |
|                    |       | Inner_Full      | 21.62 | / | / | 14.74 | / | / | <=38.45 | Pass |
|                    |       | Inner_1RB_Left  | 21.63 | / | / | 14.75 | / | / | <=38.45 | Pass |
|                    |       | Inner_1RB_Right | 21.57 | / | / | 14.69 | / | / | <=38.45 | Pass |
|                    |       | Edge_1RB_Left   | 21.57 | / | / | 14.69 | / | / | <=38.45 | Pass |
|                    |       | Edge_1RB_Right  | 21.45 | / | / | 14.57 | / | / | <=38.45 | Pass |
|                    | 844   | Outer_Full      | 21.36 | / | / | 14.48 | / | / | <=38.45 | Pass |
|                    |       | Inner_Full      | 21.50 | / | / | 14.62 | / | / | <=38.45 | Pass |
|                    |       | Inner_1RB_Left  | 21.62 | / | / | 14.74 | / | / | <=38.45 | Pass |
|                    |       | Inner_1RB_Right | 21.54 | / | / | 14.66 | / | / | <=38.45 | Pass |
| DFT-s-OFDM 256 QAM | 829   | Edge_1RB_Left   | 19.27 | / | / | 12.39 | / | / | <=38.45 | Pass |
|                    |       | Edge_1RB_Right  | 19.27 | / | / | 12.39 | / | / | <=38.45 | Pass |
|                    |       | Outer_Full      | 19.47 | / | / | 12.59 | / | / | <=38.45 | Pass |
|                    |       | Inner_Full      | 19.46 | / | / | 12.58 | / | / | <=38.45 | Pass |
|                    |       | Inner_1RB_Left  | 19.33 | / | / | 12.45 | / | / | <=38.45 | Pass |
|                    |       | Inner_1RB_Right | 19.29 | / | / | 12.41 | / | / | <=38.45 | Pass |
|                    | 836.5 | Edge_1RB_Left   | 19.21 | / | / | 12.33 | / | / | <=38.45 | Pass |
|                    |       | Edge_1RB_Right  | 19.26 | / | / | 12.38 | / | / | <=38.45 | Pass |
|                    |       | Outer_Full      | 19.48 | / | / | 12.60 | / | / | <=38.45 | Pass |
|                    |       | Inner_Full      | 19.39 | / | / | 12.51 | / | / | <=38.45 | Pass |
|                    |       | Inner_1RB_Left  | 19.24 | / | / | 12.36 | / | / | <=38.45 | Pass |
|                    |       | Inner_1RB_Right | 19.23 | / | / | 12.35 | / | / | <=38.45 | Pass |
|                    | 844   | Edge_1RB_Left   | 19.06 | / | / | 12.18 | / | / | <=38.45 | Pass |
|                    |       | Edge_1RB_Right  | 19.05 | / | / | 12.17 | / | / | <=38.45 | Pass |
|                    |       | Outer_Full      | 19.43 | / | / | 12.55 | / | / | <=38.45 | Pass |
|                    |       | Inner_Full      | 19.32 | / | / | 12.44 | / | / | <=38.45 | Pass |
|                    |       | Inner_1RB_Left  | 19.15 | / | / | 12.27 | / | / | <=38.45 | Pass |
|                    |       | Inner_1RB_Right | 19.09 | / | / | 12.21 | / | / | <=38.45 | Pass |
| CP-OFDM QPSK       | 829   | Edge_1RB_Left   | 21.13 | / | / | 14.25 | / | / | <=38.45 | Pass |
|                    |       | Edge_1RB_Right  | 21.01 | / | / | 14.13 | / | / | <=38.45 | Pass |
|                    |       | Outer_Full      | 21.09 | / | / | 14.21 | / | / | <=38.45 | Pass |
|                    |       | Inner_Full      | 22.56 | / | / | 15.68 | / | / | <=38.45 | Pass |
|                    |       | Inner_1RB_Left  | 22.61 | / | / | 15.73 | / | / | <=38.45 | Pass |
|                    |       | Inner_1RB_Right | 22.47 | / | / | 15.59 | / | / | <=38.45 | Pass |
|                    | 836.5 | Edge_1RB_Left   | 21.02 | / | / | 14.14 | / | / | <=38.45 | Pass |
|                    |       | Edge_1RB_Right  | 20.98 | / | / | 14.10 | / | / | <=38.45 | Pass |
|                    |       | Outer_Full      | 21.03 | / | / | 14.15 | / | / | <=38.45 | Pass |
|                    |       | Inner_Full      | 22.52 | / | / | 15.64 | / | / | <=38.45 | Pass |
|                    |       | Inner_1RB_Left  | 22.57 | / | / | 15.69 | / | / | <=38.45 | Pass |
|                    |       | Inner_1RB_Right | 22.50 | / | / | 15.62 | / | / | <=38.45 | Pass |
|                    | 844   | Edge_1RB_Left   | 20.96 | / | / | 14.08 | / | / | <=38.45 | Pass |
|                    |       | Edge_1RB_Right  | 20.84 | / | / | 13.96 | / | / | <=38.45 | Pass |
|                    |       | Outer_Full      | 21.03 | / | / | 14.15 | / | / | <=38.45 | Pass |
|                    |       | Inner_Full      | 22.39 | / | / | 15.51 | / | / | <=38.45 | Pass |
|                    |       | Inner_1RB_Left  | 22.40 | / | / | 15.52 | / | / | <=38.45 | Pass |
|                    |       | Inner_1RB_Right | 22.39 | / | / | 15.51 | / | / | <=38.45 | Pass |
| CP-OFDM 16 QAM     | 829   | Edge_1RB_Left   | 21.06 | / | / | 14.18 | / | / | <=38.45 | Pass |
|                    |       | Edge_1RB_Right  | 20.99 | / | / | 14.11 | / | / | <=38.45 | Pass |
|                    |       | Outer_Full      | 21.11 | / | / | 14.23 | / | / | <=38.45 | Pass |
|                    |       | Inner_Full      | 22.07 | / | / | 15.19 | / | / | <=38.45 | Pass |
|                    |       | Inner_1RB_Left  | 22.11 | / | / | 15.23 | / | / | <=38.45 | Pass |
|                    |       | Inner_1RB_Right | 21.97 | / | / | 15.09 | / | / | <=38.45 | Pass |
|                    | 836.5 | Edge_1RB_Left   | 21.11 | / | / | 14.23 | / | / | <=38.45 | Pass |

|                                                                                       |       |                 |       |   |   |       |   |   |         |      |
|---------------------------------------------------------------------------------------|-------|-----------------|-------|---|---|-------|---|---|---------|------|
|                                                                                       |       | Edge_1RB_Right  | 20.97 | / | / | 14.09 | / | / | <=38.45 | Pass |
|                                                                                       |       | Outer_Full      | 21.15 | / | / | 14.27 | / | / | <=38.45 | Pass |
|                                                                                       |       | Inner_Full      | 22.08 | / | / | 15.20 | / | / | <=38.45 | Pass |
|                                                                                       |       | Inner_1RB_Left  | 21.99 | / | / | 15.11 | / | / | <=38.45 | Pass |
|                                                                                       |       | Inner_1RB_Right | 22.03 | / | / | 15.15 | / | / | <=38.45 | Pass |
|                                                                                       | 844   | Edge_1RB_Left   | 20.96 | / | / | 14.08 | / | / | <=38.45 | Pass |
|                                                                                       |       | Edge_1RB_Right  | 20.84 | / | / | 13.96 | / | / | <=38.45 | Pass |
|                                                                                       |       | Outer_Full      | 20.86 | / | / | 13.98 | / | / | <=38.45 | Pass |
|                                                                                       |       | Inner_Full      | 21.91 | / | / | 15.03 | / | / | <=38.45 | Pass |
|                                                                                       |       | Inner_1RB_Left  | 21.97 | / | / | 15.09 | / | / | <=38.45 | Pass |
| CP-OFDM 64 QAM                                                                        | 829   | Inner_1RB_Right | 21.85 | / | / | 14.97 | / | / | <=38.45 | Pass |
|                                                                                       |       | Edge_1RB_Left   | 20.68 | / | / | 13.80 | / | / | <=38.45 | Pass |
|                                                                                       |       | Edge_1RB_Right  | 20.56 | / | / | 13.68 | / | / | <=38.45 | Pass |
|                                                                                       |       | Outer_Full      | 20.52 | / | / | 13.64 | / | / | <=38.45 | Pass |
|                                                                                       |       | Inner_Full      | 20.64 | / | / | 13.76 | / | / | <=38.45 | Pass |
|                                                                                       |       | Inner_1RB_Left  | 20.69 | / | / | 13.81 | / | / | <=38.45 | Pass |
|                                                                                       | 836.5 | Inner_1RB_Right | 20.57 | / | / | 13.69 | / | / | <=38.45 | Pass |
|                                                                                       |       | Edge_1RB_Left   | 20.68 | / | / | 13.80 | / | / | <=38.45 | Pass |
|                                                                                       |       | Edge_1RB_Right  | 20.50 | / | / | 13.62 | / | / | <=38.45 | Pass |
|                                                                                       |       | Outer_Full      | 20.49 | / | / | 13.61 | / | / | <=38.45 | Pass |
|                                                                                       |       | Inner_Full      | 20.56 | / | / | 13.68 | / | / | <=38.45 | Pass |
|                                                                                       |       | Inner_1RB_Left  | 20.66 | / | / | 13.78 | / | / | <=38.45 | Pass |
|                                                                                       | 844   | Inner_1RB_Right | 20.51 | / | / | 13.63 | / | / | <=38.45 | Pass |
|                                                                                       |       | Edge_1RB_Left   | 20.59 | / | / | 13.71 | / | / | <=38.45 | Pass |
|                                                                                       |       | Edge_1RB_Right  | 20.42 | / | / | 13.54 | / | / | <=38.45 | Pass |
|                                                                                       |       | Outer_Full      | 20.40 | / | / | 13.52 | / | / | <=38.45 | Pass |
|                                                                                       |       | Inner_Full      | 20.53 | / | / | 13.65 | / | / | <=38.45 | Pass |
|                                                                                       |       | Inner_1RB_Left  | 20.52 | / | / | 13.64 | / | / | <=38.45 | Pass |
| CP-OFDM 256 QAM                                                                       | 829   | Inner_1RB_Right | 20.41 | / | / | 13.53 | / | / | <=38.45 | Pass |
|                                                                                       |       | Edge_1RB_Left   | 17.17 | / | / | 10.29 | / | / | <=38.45 | Pass |
|                                                                                       |       | Edge_1RB_Right  | 17.18 | / | / | 10.30 | / | / | <=38.45 | Pass |
|                                                                                       |       | Outer_Full      | 17.52 | / | / | 10.64 | / | / | <=38.45 | Pass |
|                                                                                       |       | Inner_Full      | 17.43 | / | / | 10.55 | / | / | <=38.45 | Pass |
|                                                                                       |       | Inner_1RB_Left  | 17.21 | / | / | 10.33 | / | / | <=38.45 | Pass |
|                                                                                       | 836.5 | Inner_1RB_Right | 17.13 | / | / | 10.25 | / | / | <=38.45 | Pass |
|                                                                                       |       | Edge_1RB_Left   | 17.18 | / | / | 10.30 | / | / | <=38.45 | Pass |
|                                                                                       |       | Edge_1RB_Right  | 17.10 | / | / | 10.22 | / | / | <=38.45 | Pass |
|                                                                                       |       | Outer_Full      | 17.61 | / | / | 10.73 | / | / | <=38.45 | Pass |
|                                                                                       |       | Inner_Full      | 17.44 | / | / | 10.56 | / | / | <=38.45 | Pass |
|                                                                                       |       | Inner_1RB_Left  | 17.15 | / | / | 10.27 | / | / | <=38.45 | Pass |
|                                                                                       | 844   | Inner_1RB_Right | 17.13 | / | / | 10.25 | / | / | <=38.45 | Pass |
|                                                                                       |       | Edge_1RB_Left   | 16.99 | / | / | 10.11 | / | / | <=38.45 | Pass |
|                                                                                       |       | Edge_1RB_Right  | 17.02 | / | / | 10.14 | / | / | <=38.45 | Pass |
|                                                                                       |       | Outer_Full      | 17.44 | / | / | 10.56 | / | / | <=38.45 | Pass |
|                                                                                       |       | Inner_Full      | 17.34 | / | / | 10.46 | / | / | <=38.45 | Pass |
|                                                                                       |       | Inner_1RB_Left  | 17.04 | / | / | 10.16 | / | / | <=38.45 | Pass |
|                                                                                       |       | Inner_1RB_Right | 17.05 | / | / | 10.17 | / | / | <=38.45 | Pass |
| Note1: Antenna Gain: Ant31: -4.73dBi;<br>Note2: ERP=Conducted Power+Antenna Gain-2.15 |       |                 |       |   |   |       |   |   |         |      |

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

| 5G NR n26b SCS=15kHz SISO 15MHz NTN |                 |                |                      |      |     |          |      |     |         |         |
|-------------------------------------|-----------------|----------------|----------------------|------|-----|----------|------|-----|---------|---------|
| Modulation                          | Frequency (MHz) | RB Allocation  | Conducted Power(dBm) |      |     | ERP(dBm) |      |     |         | Verdict |
|                                     |                 |                | Ant31                | Ant2 | Sum | Ant31    | Ant2 | Sum | Limit   |         |
| DFT-s-OFDM PI/2 BPSK                | 831.5           | Edge_1RB_Left  | 23.50                | /    | /   | 16.62    | /    | /   | <=38.45 | Pass    |
|                                     |                 | Edge_1RB_Right | 23.57                | /    | /   | 16.69    | /    | /   | <=38.45 | Pass    |
|                                     |                 | Outer_Full     | 23.74                | /    | /   | 16.86    | /    | /   | <=38.45 | Pass    |

|                   |       |                 |       |   |   |       |   |   |         |      |
|-------------------|-------|-----------------|-------|---|---|-------|---|---|---------|------|
|                   |       | Inner_Full      | 24.16 | / | / | 17.28 | / | / | <=38.45 | Pass |
|                   |       | Inner_1RB_Left  | 24.01 | / | / | 17.13 | / | / | <=38.45 | Pass |
|                   |       | Inner_1RB_Right | 24.10 | / | / | 17.22 | / | / | <=38.45 | Pass |
|                   | 836.5 | Edge_1RB_Left   | 23.65 | / | / | 16.77 | / | / | <=38.45 | Pass |
|                   |       | Edge_1RB_Right  | 23.58 | / | / | 16.70 | / | / | <=38.45 | Pass |
|                   |       | Outer_Full      | 23.68 | / | / | 16.80 | / | / | <=38.45 | Pass |
|                   |       | Inner_Full      | 24.18 | / | / | 17.30 | / | / | <=38.45 | Pass |
|                   |       | Inner_1RB_Left  | 24.09 | / | / | 17.21 | / | / | <=38.45 | Pass |
|                   |       | Inner_1RB_Right | 24.08 | / | / | 17.20 | / | / | <=38.45 | Pass |
|                   | 841.5 | Edge_1RB_Left   | 23.57 | / | / | 16.69 | / | / | <=38.45 | Pass |
|                   |       | Edge_1RB_Right  | 23.52 | / | / | 16.64 | / | / | <=38.45 | Pass |
|                   |       | Outer_Full      | 23.69 | / | / | 16.81 | / | / | <=38.45 | Pass |
|                   |       | Inner_Full      | 24.06 | / | / | 17.18 | / | / | <=38.45 | Pass |
|                   |       | Inner_1RB_Left  | 24.03 | / | / | 17.15 | / | / | <=38.45 | Pass |
|                   |       | Inner_1RB_Right | 23.95 | / | / | 17.07 | / | / | <=38.45 | Pass |
| DFT-s-OFDM QPSK   | 831.5 | Edge_1RB_Left   | 23.06 | / | / | 16.18 | / | / | <=38.45 | Pass |
|                   |       | Edge_1RB_Right  | 23.14 | / | / | 16.26 | / | / | <=38.45 | Pass |
|                   |       | Outer_Full      | 23.15 | / | / | 16.27 | / | / | <=38.45 | Pass |
|                   |       | Inner_Full      | 24.10 | / | / | 17.22 | / | / | <=38.45 | Pass |
|                   |       | Inner_1RB_Left  | 24.15 | / | / | 17.27 | / | / | <=38.45 | Pass |
|                   |       | Inner_1RB_Right | 24.20 | / | / | 17.32 | / | / | <=38.45 | Pass |
|                   | 836.5 | Edge_1RB_Left   | 23.25 | / | / | 16.37 | / | / | <=38.45 | Pass |
|                   |       | Edge_1RB_Right  | 23.21 | / | / | 16.33 | / | / | <=38.45 | Pass |
|                   |       | Outer_Full      | 23.18 | / | / | 16.30 | / | / | <=38.45 | Pass |
|                   |       | Inner_Full      | 24.19 | / | / | 17.31 | / | / | <=38.45 | Pass |
|                   |       | Inner_1RB_Left  | 24.11 | / | / | 17.23 | / | / | <=38.45 | Pass |
|                   |       | Inner_1RB_Right | 24.26 | / | / | 17.38 | / | / | <=38.45 | Pass |
|                   | 841.5 | Edge_1RB_Left   | 23.11 | / | / | 16.23 | / | / | <=38.45 | Pass |
|                   |       | Edge_1RB_Right  | 23.01 | / | / | 16.13 | / | / | <=38.45 | Pass |
|                   |       | Outer_Full      | 23.14 | / | / | 16.26 | / | / | <=38.45 | Pass |
|                   |       | Inner_Full      | 24.04 | / | / | 17.16 | / | / | <=38.45 | Pass |
|                   |       | Inner_1RB_Left  | 24.18 | / | / | 17.30 | / | / | <=38.45 | Pass |
|                   |       | Inner_1RB_Right | 24.11 | / | / | 17.23 | / | / | <=38.45 | Pass |
| DFT-s-OFDM 16 QAM | 831.5 | Edge_1RB_Left   | 22.20 | / | / | 15.32 | / | / | <=38.45 | Pass |
|                   |       | Edge_1RB_Right  | 22.16 | / | / | 15.28 | / | / | <=38.45 | Pass |
|                   |       | Outer_Full      | 22.13 | / | / | 15.25 | / | / | <=38.45 | Pass |
|                   |       | Inner_Full      | 23.11 | / | / | 16.23 | / | / | <=38.45 | Pass |
|                   |       | Inner_1RB_Left  | 23.18 | / | / | 16.30 | / | / | <=38.45 | Pass |
|                   |       | Inner_1RB_Right | 23.20 | / | / | 16.32 | / | / | <=38.45 | Pass |
|                   | 836.5 | Edge_1RB_Left   | 22.20 | / | / | 15.32 | / | / | <=38.45 | Pass |
|                   |       | Edge_1RB_Right  | 22.17 | / | / | 15.29 | / | / | <=38.45 | Pass |
|                   |       | Outer_Full      | 22.15 | / | / | 15.27 | / | / | <=38.45 | Pass |
|                   |       | Inner_Full      | 23.14 | / | / | 16.26 | / | / | <=38.45 | Pass |
|                   |       | Inner_1RB_Left  | 23.19 | / | / | 16.31 | / | / | <=38.45 | Pass |
|                   |       | Inner_1RB_Right | 23.16 | / | / | 16.28 | / | / | <=38.45 | Pass |
|                   | 841.5 | Edge_1RB_Left   | 22.24 | / | / | 15.36 | / | / | <=38.45 | Pass |
|                   |       | Edge_1RB_Right  | 21.97 | / | / | 15.09 | / | / | <=38.45 | Pass |
|                   |       | Outer_Full      | 22.10 | / | / | 15.22 | / | / | <=38.45 | Pass |
|                   |       | Inner_Full      | 23.04 | / | / | 16.16 | / | / | <=38.45 | Pass |
|                   |       | Inner_1RB_Left  | 23.25 | / | / | 16.37 | / | / | <=38.45 | Pass |
|                   |       | Inner_1RB_Right | 23.08 | / | / | 16.20 | / | / | <=38.45 | Pass |
| DFT-s-OFDM 64 QAM | 831.5 | Edge_1RB_Left   | 21.73 | / | / | 14.85 | / | / | <=38.45 | Pass |
|                   |       | Edge_1RB_Right  | 21.68 | / | / | 14.80 | / | / | <=38.45 | Pass |
|                   |       | Outer_Full      | 21.64 | / | / | 14.76 | / | / | <=38.45 | Pass |
|                   |       | Inner_Full      | 21.68 | / | / | 14.80 | / | / | <=38.45 | Pass |
|                   |       | Inner_1RB_Left  | 21.68 | / | / | 14.80 | / | / | <=38.45 | Pass |
|                   |       | Inner_1RB_Right | 21.70 | / | / | 14.82 | / | / | <=38.45 | Pass |
|                   | 836.5 | Edge_1RB_Left   | 21.80 | / | / | 14.92 | / | / | <=38.45 | Pass |
|                   |       | Edge_1RB_Right  | 21.78 | / | / | 14.90 | / | / | <=38.45 | Pass |

|                    |       |                 |       |   |   |       |   |   |         |      |
|--------------------|-------|-----------------|-------|---|---|-------|---|---|---------|------|
|                    |       | Outer_Full      | 21.68 | / | / | 14.80 | / | / | <=38.45 | Pass |
|                    |       | Inner_Full      | 21.64 | / | / | 14.76 | / | / | <=38.45 | Pass |
|                    |       | Inner_1RB_Left  | 21.73 | / | / | 14.85 | / | / | <=38.45 | Pass |
|                    |       | Inner_1RB_Right | 21.74 | / | / | 14.86 | / | / | <=38.45 | Pass |
|                    | 841.5 | Edge_1RB_Left   | 21.78 | / | / | 14.90 | / | / | <=38.45 | Pass |
|                    |       | Edge_1RB_Right  | 21.66 | / | / | 14.78 | / | / | <=38.45 | Pass |
|                    |       | Outer_Full      | 21.59 | / | / | 14.71 | / | / | <=38.45 | Pass |
|                    |       | Inner_Full      | 21.59 | / | / | 14.71 | / | / | <=38.45 | Pass |
|                    |       | Inner_1RB_Left  | 21.84 | / | / | 14.96 | / | / | <=38.45 | Pass |
|                    |       | Inner_1RB_Right | 21.64 | / | / | 14.76 | / | / | <=38.45 | Pass |
| DFT-s-OFDM 256 QAM | 831.5 | Edge_1RB_Left   | 19.42 | / | / | 12.54 | / | / | <=38.45 | Pass |
|                    |       | Edge_1RB_Right  | 19.46 | / | / | 12.58 | / | / | <=38.45 | Pass |
|                    |       | Outer_Full      | 19.68 | / | / | 12.80 | / | / | <=38.45 | Pass |
|                    |       | Inner_Full      | 19.64 | / | / | 12.76 | / | / | <=38.45 | Pass |
|                    |       | Inner_1RB_Left  | 19.41 | / | / | 12.53 | / | / | <=38.45 | Pass |
|                    |       | Inner_1RB_Right | 19.52 | / | / | 12.64 | / | / | <=38.45 | Pass |
|                    | 836.5 | Edge_1RB_Left   | 19.30 | / | / | 12.42 | / | / | <=38.45 | Pass |
|                    |       | Edge_1RB_Right  | 19.43 | / | / | 12.55 | / | / | <=38.45 | Pass |
|                    |       | Outer_Full      | 19.57 | / | / | 12.69 | / | / | <=38.45 | Pass |
|                    |       | Inner_Full      | 19.49 | / | / | 12.61 | / | / | <=38.45 | Pass |
|                    |       | Inner_1RB_Left  | 19.33 | / | / | 12.45 | / | / | <=38.45 | Pass |
|                    |       | Inner_1RB_Right | 19.39 | / | / | 12.51 | / | / | <=38.45 | Pass |
|                    | 841.5 | Edge_1RB_Left   | 19.37 | / | / | 12.49 | / | / | <=38.45 | Pass |
|                    |       | Edge_1RB_Right  | 19.30 | / | / | 12.42 | / | / | <=38.45 | Pass |
|                    |       | Outer_Full      | 19.60 | / | / | 12.72 | / | / | <=38.45 | Pass |
|                    |       | Inner_Full      | 19.56 | / | / | 12.68 | / | / | <=38.45 | Pass |
|                    |       | Inner_1RB_Left  | 19.33 | / | / | 12.45 | / | / | <=38.45 | Pass |
|                    |       | Inner_1RB_Right | 19.33 | / | / | 12.45 | / | / | <=38.45 | Pass |
| CP-OFDM QPSK       | 831.5 | Edge_1RB_Left   | 21.21 | / | / | 14.33 | / | / | <=38.45 | Pass |
|                    |       | Edge_1RB_Right  | 21.24 | / | / | 14.36 | / | / | <=38.45 | Pass |
|                    |       | Outer_Full      | 21.29 | / | / | 14.41 | / | / | <=38.45 | Pass |
|                    |       | Inner_Full      | 22.71 | / | / | 15.83 | / | / | <=38.45 | Pass |
|                    |       | Inner_1RB_Left  | 22.77 | / | / | 15.89 | / | / | <=38.45 | Pass |
|                    |       | Inner_1RB_Right | 22.67 | / | / | 15.79 | / | / | <=38.45 | Pass |
|                    | 836.5 | Edge_1RB_Left   | 21.23 | / | / | 14.35 | / | / | <=38.45 | Pass |
|                    |       | Edge_1RB_Right  | 21.19 | / | / | 14.31 | / | / | <=38.45 | Pass |
|                    |       | Outer_Full      | 21.29 | / | / | 14.41 | / | / | <=38.45 | Pass |
|                    |       | Inner_Full      | 22.70 | / | / | 15.82 | / | / | <=38.45 | Pass |
|                    |       | Inner_1RB_Left  | 22.68 | / | / | 15.80 | / | / | <=38.45 | Pass |
|                    |       | Inner_1RB_Right | 22.60 | / | / | 15.72 | / | / | <=38.45 | Pass |
|                    | 841.5 | Edge_1RB_Left   | 21.22 | / | / | 14.34 | / | / | <=38.45 | Pass |
|                    |       | Edge_1RB_Right  | 21.20 | / | / | 14.32 | / | / | <=38.45 | Pass |
|                    |       | Outer_Full      | 21.13 | / | / | 14.25 | / | / | <=38.45 | Pass |
|                    |       | Inner_Full      | 22.58 | / | / | 15.70 | / | / | <=38.45 | Pass |
|                    |       | Inner_1RB_Left  | 22.91 | / | / | 16.03 | / | / | <=38.45 | Pass |
|                    |       | Inner_1RB_Right | 22.64 | / | / | 15.76 | / | / | <=38.45 | Pass |
| CP-OFDM 16 QAM     | 831.5 | Edge_1RB_Left   | 20.92 | / | / | 14.04 | / | / | <=38.45 | Pass |
|                    |       | Edge_1RB_Right  | 21.09 | / | / | 14.21 | / | / | <=38.45 | Pass |
|                    |       | Outer_Full      | 21.14 | / | / | 14.26 | / | / | <=38.45 | Pass |
|                    |       | Inner_Full      | 22.21 | / | / | 15.33 | / | / | <=38.45 | Pass |
|                    |       | Inner_1RB_Left  | 22.15 | / | / | 15.27 | / | / | <=38.45 | Pass |
|                    |       | Inner_1RB_Right | 22.15 | / | / | 15.27 | / | / | <=38.45 | Pass |
|                    | 836.5 | Edge_1RB_Left   | 21.02 | / | / | 14.14 | / | / | <=38.45 | Pass |
|                    |       | Edge_1RB_Right  | 21.00 | / | / | 14.12 | / | / | <=38.45 | Pass |
|                    |       | Outer_Full      | 21.08 | / | / | 14.20 | / | / | <=38.45 | Pass |
|                    |       | Inner_Full      | 22.10 | / | / | 15.22 | / | / | <=38.45 | Pass |
|                    |       | Inner_1RB_Left  | 22.10 | / | / | 15.22 | / | / | <=38.45 | Pass |
|                    |       | Inner_1RB_Right | 21.98 | / | / | 15.10 | / | / | <=38.45 | Pass |
|                    | 841.5 | Edge_1RB_Left   | 21.22 | / | / | 14.34 | / | / | <=38.45 | Pass |

|                                                                                       |       |                 |       |   |   |       |   |   |         |      |
|---------------------------------------------------------------------------------------|-------|-----------------|-------|---|---|-------|---|---|---------|------|
|                                                                                       |       | Edge_1RB_Right  | 21.09 | / | / | 14.21 | / | / | <=38.45 | Pass |
|                                                                                       |       | Outer_Full      | 21.15 | / | / | 14.27 | / | / | <=38.45 | Pass |
|                                                                                       |       | Inner_Full      | 22.07 | / | / | 15.19 | / | / | <=38.45 | Pass |
|                                                                                       |       | Inner_1RB_Left  | 22.24 | / | / | 15.36 | / | / | <=38.45 | Pass |
|                                                                                       |       | Inner_1RB_Right | 22.18 | / | / | 15.30 | / | / | <=38.45 | Pass |
| CP-OFDM 64 QAM                                                                        | 831.5 | Edge_1RB_Left   | 20.82 | / | / | 13.94 | / | / | <=38.45 | Pass |
|                                                                                       |       | Edge_1RB_Right  | 20.83 | / | / | 13.95 | / | / | <=38.45 | Pass |
|                                                                                       |       | Outer_Full      | 20.78 | / | / | 13.90 | / | / | <=38.45 | Pass |
|                                                                                       |       | Inner_Full      | 20.67 | / | / | 13.79 | / | / | <=38.45 | Pass |
|                                                                                       |       | Inner_1RB_Left  | 20.70 | / | / | 13.82 | / | / | <=38.45 | Pass |
|                                                                                       |       | Inner_1RB_Right | 20.79 | / | / | 13.91 | / | / | <=38.45 | Pass |
|                                                                                       | 836.5 | Edge_1RB_Left   | 20.74 | / | / | 13.86 | / | / | <=38.45 | Pass |
|                                                                                       |       | Edge_1RB_Right  | 20.75 | / | / | 13.87 | / | / | <=38.45 | Pass |
|                                                                                       |       | Outer_Full      | 20.67 | / | / | 13.79 | / | / | <=38.45 | Pass |
|                                                                                       |       | Inner_Full      | 20.64 | / | / | 13.76 | / | / | <=38.45 | Pass |
|                                                                                       |       | Inner_1RB_Left  | 20.79 | / | / | 13.91 | / | / | <=38.45 | Pass |
|                                                                                       |       | Inner_1RB_Right | 20.73 | / | / | 13.85 | / | / | <=38.45 | Pass |
|                                                                                       | 841.5 | Edge_1RB_Left   | 20.73 | / | / | 13.85 | / | / | <=38.45 | Pass |
|                                                                                       |       | Edge_1RB_Right  | 20.78 | / | / | 13.90 | / | / | <=38.45 | Pass |
|                                                                                       |       | Outer_Full      | 20.65 | / | / | 13.77 | / | / | <=38.45 | Pass |
|                                                                                       |       | Inner_Full      | 20.64 | / | / | 13.76 | / | / | <=38.45 | Pass |
|                                                                                       |       | Inner_1RB_Left  | 20.78 | / | / | 13.90 | / | / | <=38.45 | Pass |
|                                                                                       |       | Inner_1RB_Right | 20.76 | / | / | 13.88 | / | / | <=38.45 | Pass |
| CP-OFDM 256 QAM                                                                       | 831.5 | Edge_1RB_Left   | 17.31 | / | / | 10.43 | / | / | <=38.45 | Pass |
|                                                                                       |       | Edge_1RB_Right  | 17.35 | / | / | 10.47 | / | / | <=38.45 | Pass |
|                                                                                       |       | Outer_Full      | 17.68 | / | / | 10.80 | / | / | <=38.45 | Pass |
|                                                                                       |       | Inner_Full      | 17.59 | / | / | 10.71 | / | / | <=38.45 | Pass |
|                                                                                       |       | Inner_1RB_Left  | 17.32 | / | / | 10.44 | / | / | <=38.45 | Pass |
|                                                                                       |       | Inner_1RB_Right | 17.41 | / | / | 10.53 | / | / | <=38.45 | Pass |
|                                                                                       | 836.5 | Edge_1RB_Left   | 17.31 | / | / | 10.43 | / | / | <=38.45 | Pass |
|                                                                                       |       | Edge_1RB_Right  | 17.38 | / | / | 10.50 | / | / | <=38.45 | Pass |
|                                                                                       |       | Outer_Full      | 17.64 | / | / | 10.76 | / | / | <=38.45 | Pass |
|                                                                                       |       | Inner_Full      | 17.71 | / | / | 10.83 | / | / | <=38.45 | Pass |
|                                                                                       |       | Inner_1RB_Left  | 17.39 | / | / | 10.51 | / | / | <=38.45 | Pass |
|                                                                                       |       | Inner_1RB_Right | 17.38 | / | / | 10.50 | / | / | <=38.45 | Pass |
|                                                                                       | 841.5 | Edge_1RB_Left   | 17.22 | / | / | 10.34 | / | / | <=38.45 | Pass |
|                                                                                       |       | Edge_1RB_Right  | 17.29 | / | / | 10.41 | / | / | <=38.45 | Pass |
|                                                                                       |       | Outer_Full      | 17.60 | / | / | 10.72 | / | / | <=38.45 | Pass |
|                                                                                       |       | Inner_Full      | 17.60 | / | / | 10.72 | / | / | <=38.45 | Pass |
|                                                                                       |       | Inner_1RB_Left  | 17.30 | / | / | 10.42 | / | / | <=38.45 | Pass |
|                                                                                       |       | Inner_1RB_Right | 17.31 | / | / | 10.43 | / | / | <=38.45 | Pass |
| Note1: Antenna Gain: Ant31: -4.73dBi;<br>Note2: ERP=Conducted Power+Antenna Gain-2.15 |       |                 |       |   |   |       |   |   |         |      |

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

| 5G NR n26b SCS=15kHz SISO 20MHz NTN |                 |                 |                      |      |     |          |      |     |         |         |
|-------------------------------------|-----------------|-----------------|----------------------|------|-----|----------|------|-----|---------|---------|
| Modulation                          | Frequency (MHz) | RB Allocation   | Conducted Power(dBm) |      |     | ERP(dBm) |      |     |         | Verdict |
|                                     |                 |                 | Ant31                | Ant2 | Sum | Ant31    | Ant2 | Sum | Limit   |         |
| DFT-s-OFDM PI/2 BPSK                | 834             | Edge_1RB_Left   | 23.44                | /    | /   | 16.56    | /    | /   | <=38.45 | Pass    |
|                                     |                 | Edge_1RB_Right  | 23.52                | /    | /   | 16.64    | /    | /   | <=38.45 | Pass    |
|                                     |                 | Outer_Full      | 23.73                | /    | /   | 16.85    | /    | /   | <=38.45 | Pass    |
|                                     |                 | Inner_Full      | 24.11                | /    | /   | 17.23    | /    | /   | <=38.45 | Pass    |
|                                     |                 | Inner_1RB_Left  | 24.02                | /    | /   | 17.14    | /    | /   | <=38.45 | Pass    |
|                                     |                 | Inner_1RB_Right | 24.06                | /    | /   | 17.18    | /    | /   | <=38.45 | Pass    |
|                                     | 836.5           | Edge_1RB_Left   | 23.51                | /    | /   | 16.63    | /    | /   | <=38.45 | Pass    |
|                                     |                 | Edge_1RB_Right  | 23.55                | /    | /   | 16.67    | /    | /   | <=38.45 | Pass    |
|                                     |                 | Outer_Full      | 23.69                | /    | /   | 16.81    | /    | /   | <=38.45 | Pass    |

|                   |       |                 |       |   |   |       |   |   |         |      |
|-------------------|-------|-----------------|-------|---|---|-------|---|---|---------|------|
|                   |       | Inner_Full      | 24.17 | / | / | 17.29 | / | / | <=38.45 | Pass |
|                   |       | Inner_1RB_Left  | 24.03 | / | / | 17.15 | / | / | <=38.45 | Pass |
|                   |       | Inner_1RB_Right | 24.05 | / | / | 17.17 | / | / | <=38.45 | Pass |
|                   | 839   | Edge_1RB_Left   | 23.61 | / | / | 16.73 | / | / | <=38.45 | Pass |
|                   |       | Edge_1RB_Right  | 23.45 | / | / | 16.57 | / | / | <=38.45 | Pass |
|                   |       | Outer_Full      | 23.63 | / | / | 16.75 | / | / | <=38.45 | Pass |
|                   |       | Inner_Full      | 24.13 | / | / | 17.25 | / | / | <=38.45 | Pass |
|                   |       | Inner_1RB_Left  | 24.11 | / | / | 17.23 | / | / | <=38.45 | Pass |
|                   |       | Inner_1RB_Right | 23.94 | / | / | 17.06 | / | / | <=38.45 | Pass |
|                   |       |                 |       |   |   |       |   |   |         |      |
| DFT-s-OFDM QPSK   | 834   | Edge_1RB_Left   | 22.98 | / | / | 16.10 | / | / | <=38.45 | Pass |
|                   |       | Edge_1RB_Right  | 23.11 | / | / | 16.23 | / | / | <=38.45 | Pass |
|                   |       | Outer_Full      | 23.14 | / | / | 16.26 | / | / | <=38.45 | Pass |
|                   |       | Inner_Full      | 24.09 | / | / | 17.21 | / | / | <=38.45 | Pass |
|                   |       | Inner_1RB_Left  | 24.07 | / | / | 17.19 | / | / | <=38.45 | Pass |
|                   |       | Inner_1RB_Right | 24.16 | / | / | 17.28 | / | / | <=38.45 | Pass |
|                   | 836.5 | Edge_1RB_Left   | 23.12 | / | / | 16.24 | / | / | <=38.45 | Pass |
|                   |       | Edge_1RB_Right  | 23.41 | / | / | 16.53 | / | / | <=38.45 | Pass |
|                   |       | Outer_Full      | 23.27 | / | / | 16.39 | / | / | <=38.45 | Pass |
|                   |       | Inner_Full      | 24.17 | / | / | 17.29 | / | / | <=38.45 | Pass |
|                   |       | Inner_1RB_Left  | 24.13 | / | / | 17.25 | / | / | <=38.45 | Pass |
|                   |       | Inner_1RB_Right | 24.15 | / | / | 17.27 | / | / | <=38.45 | Pass |
|                   | 839   | Edge_1RB_Left   | 23.21 | / | / | 16.33 | / | / | <=38.45 | Pass |
|                   |       | Edge_1RB_Right  | 22.97 | / | / | 16.09 | / | / | <=38.45 | Pass |
|                   |       | Outer_Full      | 23.18 | / | / | 16.30 | / | / | <=38.45 | Pass |
|                   |       | Inner_Full      | 24.18 | / | / | 17.30 | / | / | <=38.45 | Pass |
|                   |       | Inner_1RB_Left  | 24.21 | / | / | 17.33 | / | / | <=38.45 | Pass |
|                   |       | Inner_1RB_Right | 24.05 | / | / | 17.17 | / | / | <=38.45 | Pass |
| DFT-s-OFDM 16 QAM | 834   | Edge_1RB_Left   | 22.14 | / | / | 15.26 | / | / | <=38.45 | Pass |
|                   |       | Edge_1RB_Right  | 22.11 | / | / | 15.23 | / | / | <=38.45 | Pass |
|                   |       | Outer_Full      | 22.13 | / | / | 15.25 | / | / | <=38.45 | Pass |
|                   |       | Inner_Full      | 23.05 | / | / | 16.17 | / | / | <=38.45 | Pass |
|                   |       | Inner_1RB_Left  | 23.09 | / | / | 16.21 | / | / | <=38.45 | Pass |
|                   |       | Inner_1RB_Right | 23.14 | / | / | 16.26 | / | / | <=38.45 | Pass |
|                   | 836.5 | Edge_1RB_Left   | 22.33 | / | / | 15.45 | / | / | <=38.45 | Pass |
|                   |       | Edge_1RB_Right  | 22.19 | / | / | 15.31 | / | / | <=38.45 | Pass |
|                   |       | Outer_Full      | 22.26 | / | / | 15.38 | / | / | <=38.45 | Pass |
|                   |       | Inner_Full      | 23.16 | / | / | 16.28 | / | / | <=38.45 | Pass |
|                   |       | Inner_1RB_Left  | 23.17 | / | / | 16.29 | / | / | <=38.45 | Pass |
|                   |       | Inner_1RB_Right | 23.08 | / | / | 16.20 | / | / | <=38.45 | Pass |
|                   | 839   | Edge_1RB_Left   | 22.25 | / | / | 15.37 | / | / | <=38.45 | Pass |
|                   |       | Edge_1RB_Right  | 22.11 | / | / | 15.23 | / | / | <=38.45 | Pass |
|                   |       | Outer_Full      | 22.16 | / | / | 15.28 | / | / | <=38.45 | Pass |
|                   |       | Inner_Full      | 23.14 | / | / | 16.26 | / | / | <=38.45 | Pass |
|                   |       | Inner_1RB_Left  | 23.15 | / | / | 16.27 | / | / | <=38.45 | Pass |
|                   |       | Inner_1RB_Right | 22.96 | / | / | 16.08 | / | / | <=38.45 | Pass |
| DFT-s-OFDM 64 QAM | 834   | Edge_1RB_Left   | 21.72 | / | / | 14.84 | / | / | <=38.45 | Pass |
|                   |       | Edge_1RB_Right  | 21.70 | / | / | 14.82 | / | / | <=38.45 | Pass |
|                   |       | Outer_Full      | 21.58 | / | / | 14.70 | / | / | <=38.45 | Pass |
|                   |       | Inner_Full      | 21.69 | / | / | 14.81 | / | / | <=38.45 | Pass |
|                   |       | Inner_1RB_Left  | 21.69 | / | / | 14.81 | / | / | <=38.45 | Pass |
|                   |       | Inner_1RB_Right | 21.78 | / | / | 14.90 | / | / | <=38.45 | Pass |
|                   | 836.5 | Edge_1RB_Left   | 21.77 | / | / | 14.89 | / | / | <=38.45 | Pass |
|                   |       | Edge_1RB_Right  | 21.57 | / | / | 14.69 | / | / | <=38.45 | Pass |
|                   |       | Outer_Full      | 21.65 | / | / | 14.77 | / | / | <=38.45 | Pass |
|                   |       | Inner_Full      | 21.62 | / | / | 14.74 | / | / | <=38.45 | Pass |
|                   |       | Inner_1RB_Left  | 21.73 | / | / | 14.85 | / | / | <=38.45 | Pass |
|                   |       | Inner_1RB_Right | 21.63 | / | / | 14.75 | / | / | <=38.45 | Pass |
|                   | 839   | Edge_1RB_Left   | 21.73 | / | / | 14.85 | / | / | <=38.45 | Pass |
|                   |       | Edge_1RB_Right  | 21.62 | / | / | 14.74 | / | / | <=38.45 | Pass |

|                    |       |                 |       |   |   |       |   |   |         |      |
|--------------------|-------|-----------------|-------|---|---|-------|---|---|---------|------|
|                    |       | Outer_Full      | 21.58 | / | / | 14.70 | / | / | <=38.45 | Pass |
|                    |       | Inner_Full      | 21.61 | / | / | 14.73 | / | / | <=38.45 | Pass |
|                    |       | Inner_1RB_Left  | 21.73 | / | / | 14.85 | / | / | <=38.45 | Pass |
|                    |       | Inner_1RB_Right | 21.62 | / | / | 14.74 | / | / | <=38.45 | Pass |
| DFT-s-OFDM 256 QAM | 834   | Edge_1RB_Left   | 19.37 | / | / | 12.49 | / | / | <=38.45 | Pass |
|                    |       | Edge_1RB_Right  | 19.35 | / | / | 12.47 | / | / | <=38.45 | Pass |
|                    |       | Outer_Full      | 19.62 | / | / | 12.74 | / | / | <=38.45 | Pass |
|                    |       | Inner_Full      | 19.54 | / | / | 12.66 | / | / | <=38.45 | Pass |
|                    |       | Inner_1RB_Left  | 19.30 | / | / | 12.42 | / | / | <=38.45 | Pass |
|                    |       | Inner_1RB_Right | 19.33 | / | / | 12.45 | / | / | <=38.45 | Pass |
|                    | 836.5 | Edge_1RB_Left   | 19.41 | / | / | 12.53 | / | / | <=38.45 | Pass |
|                    |       | Edge_1RB_Right  | 19.38 | / | / | 12.50 | / | / | <=38.45 | Pass |
|                    |       | Outer_Full      | 19.65 | / | / | 12.77 | / | / | <=38.45 | Pass |
|                    |       | Inner_Full      | 19.58 | / | / | 12.70 | / | / | <=38.45 | Pass |
|                    |       | Inner_1RB_Left  | 19.43 | / | / | 12.55 | / | / | <=38.45 | Pass |
|                    |       | Inner_1RB_Right | 19.41 | / | / | 12.53 | / | / | <=38.45 | Pass |
|                    | 839   | Edge_1RB_Left   | 19.40 | / | / | 12.52 | / | / | <=38.45 | Pass |
|                    |       | Edge_1RB_Right  | 19.32 | / | / | 12.44 | / | / | <=38.45 | Pass |
|                    |       | Outer_Full      | 19.59 | / | / | 12.71 | / | / | <=38.45 | Pass |
|                    |       | Inner_Full      | 19.58 | / | / | 12.70 | / | / | <=38.45 | Pass |
|                    |       | Inner_1RB_Left  | 19.44 | / | / | 12.56 | / | / | <=38.45 | Pass |
|                    |       | Inner_1RB_Right | 19.39 | / | / | 12.51 | / | / | <=38.45 | Pass |
| CP-OFDM QPSK       | 834   | Edge_1RB_Left   | 21.18 | / | / | 14.30 | / | / | <=38.45 | Pass |
|                    |       | Edge_1RB_Right  | 21.01 | / | / | 14.13 | / | / | <=38.45 | Pass |
|                    |       | Outer_Full      | 21.18 | / | / | 14.30 | / | / | <=38.45 | Pass |
|                    |       | Inner_Full      | 22.67 | / | / | 15.79 | / | / | <=38.45 | Pass |
|                    |       | Inner_1RB_Left  | 22.47 | / | / | 15.59 | / | / | <=38.45 | Pass |
|                    |       | Inner_1RB_Right | 22.59 | / | / | 15.71 | / | / | <=38.45 | Pass |
|                    | 836.5 | Edge_1RB_Left   | 21.22 | / | / | 14.34 | / | / | <=38.45 | Pass |
|                    |       | Edge_1RB_Right  | 21.14 | / | / | 14.26 | / | / | <=38.45 | Pass |
|                    |       | Outer_Full      | 21.14 | / | / | 14.26 | / | / | <=38.45 | Pass |
|                    |       | Inner_Full      | 22.65 | / | / | 15.77 | / | / | <=38.45 | Pass |
|                    |       | Inner_1RB_Left  | 22.73 | / | / | 15.85 | / | / | <=38.45 | Pass |
|                    |       | Inner_1RB_Right | 22.57 | / | / | 15.69 | / | / | <=38.45 | Pass |
|                    | 839   | Edge_1RB_Left   | 21.19 | / | / | 14.31 | / | / | <=38.45 | Pass |
|                    |       | Edge_1RB_Right  | 21.07 | / | / | 14.19 | / | / | <=38.45 | Pass |
|                    |       | Outer_Full      | 21.25 | / | / | 14.37 | / | / | <=38.45 | Pass |
|                    |       | Inner_Full      | 22.63 | / | / | 15.75 | / | / | <=38.45 | Pass |
|                    |       | Inner_1RB_Left  | 22.65 | / | / | 15.77 | / | / | <=38.45 | Pass |
|                    |       | Inner_1RB_Right | 22.45 | / | / | 15.57 | / | / | <=38.45 | Pass |
| CP-OFDM 16 QAM     | 834   | Edge_1RB_Left   | 21.12 | / | / | 14.24 | / | / | <=38.45 | Pass |
|                    |       | Edge_1RB_Right  | 21.19 | / | / | 14.31 | / | / | <=38.45 | Pass |
|                    |       | Outer_Full      | 21.15 | / | / | 14.27 | / | / | <=38.45 | Pass |
|                    |       | Inner_Full      | 22.29 | / | / | 15.41 | / | / | <=38.45 | Pass |
|                    |       | Inner_1RB_Left  | 22.14 | / | / | 15.26 | / | / | <=38.45 | Pass |
|                    |       | Inner_1RB_Right | 22.15 | / | / | 15.27 | / | / | <=38.45 | Pass |
|                    | 836.5 | Edge_1RB_Left   | 21.20 | / | / | 14.32 | / | / | <=38.45 | Pass |
|                    |       | Edge_1RB_Right  | 21.03 | / | / | 14.15 | / | / | <=38.45 | Pass |
|                    |       | Outer_Full      | 21.16 | / | / | 14.28 | / | / | <=38.45 | Pass |
|                    |       | Inner_Full      | 22.26 | / | / | 15.38 | / | / | <=38.45 | Pass |
|                    |       | Inner_1RB_Left  | 22.21 | / | / | 15.33 | / | / | <=38.45 | Pass |
|                    |       | Inner_1RB_Right | 22.04 | / | / | 15.16 | / | / | <=38.45 | Pass |
|                    | 839   | Edge_1RB_Left   | 21.25 | / | / | 14.37 | / | / | <=38.45 | Pass |
|                    |       | Edge_1RB_Right  | 21.14 | / | / | 14.26 | / | / | <=38.45 | Pass |
|                    |       | Outer_Full      | 21.06 | / | / | 14.18 | / | / | <=38.45 | Pass |
|                    |       | Inner_Full      | 22.14 | / | / | 15.26 | / | / | <=38.45 | Pass |
|                    |       | Inner_1RB_Left  | 22.29 | / | / | 15.41 | / | / | <=38.45 | Pass |
|                    |       | Inner_1RB_Right | 22.08 | / | / | 15.20 | / | / | <=38.45 | Pass |
| CP-OFDM 64 QAM     | 834   | Edge_1RB_Left   | 20.55 | / | / | 13.67 | / | / | <=38.45 | Pass |

|                                                                                       |                 |                 |       |   |       |       |   |         |         |      |
|---------------------------------------------------------------------------------------|-----------------|-----------------|-------|---|-------|-------|---|---------|---------|------|
|                                                                                       |                 | Edge 1RB Right  | 20.53 | / | /     | 13.65 | / | /       | <=38.45 | Pass |
|                                                                                       |                 | Outer_Full      | 20.66 | / | /     | 13.78 | / | /       | <=38.45 | Pass |
|                                                                                       |                 | Inner_Full      | 20.66 | / | /     | 13.78 | / | /       | <=38.45 | Pass |
|                                                                                       |                 | Inner_1RB_Left  | 20.51 | / | /     | 13.63 | / | /       | <=38.45 | Pass |
|                                                                                       |                 | Inner_1RB_Right | 20.48 | / | /     | 13.60 | / | /       | <=38.45 | Pass |
|                                                                                       | 836.5           | Edge 1RB Left   | 20.71 | / | /     | 13.83 | / | /       | <=38.45 | Pass |
|                                                                                       |                 | Edge 1RB Right  | 20.61 | / | /     | 13.73 | / | /       | <=38.45 | Pass |
|                                                                                       |                 | Outer_Full      | 20.65 | / | /     | 13.77 | / | /       | <=38.45 | Pass |
|                                                                                       |                 | Inner_Full      | 20.60 | / | /     | 13.72 | / | /       | <=38.45 | Pass |
|                                                                                       |                 | Inner_1RB_Left  | 20.81 | / | /     | 13.93 | / | /       | <=38.45 | Pass |
|                                                                                       | 839             | Inner_1RB_Right | 20.62 | / | /     | 13.74 | / | /       | <=38.45 | Pass |
|                                                                                       |                 | Edge 1RB Left   | 20.58 | / | /     | 13.70 | / | /       | <=38.45 | Pass |
|                                                                                       |                 | Edge 1RB Right  | 20.62 | / | /     | 13.74 | / | /       | <=38.45 | Pass |
|                                                                                       |                 | Outer_Full      | 20.65 | / | /     | 13.77 | / | /       | <=38.45 | Pass |
|                                                                                       |                 | Inner_Full      | 20.58 | / | /     | 13.70 | / | /       | <=38.45 | Pass |
| CP-OFDM 256 QAM                                                                       | 834             | Inner_1RB_Left  | 20.62 | / | /     | 13.74 | / | /       | <=38.45 | Pass |
|                                                                                       |                 | Inner_1RB_Right | 20.52 | / | /     | 13.64 | / | /       | <=38.45 | Pass |
|                                                                                       |                 | Edge 1RB Left   | 17.34 | / | /     | 10.46 | / | /       | <=38.45 | Pass |
|                                                                                       |                 | Edge 1RB Right  | 17.37 | / | /     | 10.49 | / | /       | <=38.45 | Pass |
|                                                                                       |                 | Outer_Full      | 17.62 | / | /     | 10.74 | / | /       | <=38.45 | Pass |
|                                                                                       |                 | Inner_Full      | 17.56 | / | /     | 10.68 | / | /       | <=38.45 | Pass |
|                                                                                       | 836.5           | Inner_1RB_Left  | 17.31 | / | /     | 10.43 | / | /       | <=38.45 | Pass |
|                                                                                       |                 | Inner_1RB_Right | 17.41 | / | /     | 10.53 | / | /       | <=38.45 | Pass |
|                                                                                       |                 | Edge 1RB Left   | 17.49 | / | /     | 10.61 | / | /       | <=38.45 | Pass |
|                                                                                       |                 | Edge 1RB Right  | 17.38 | / | /     | 10.50 | / | /       | <=38.45 | Pass |
|                                                                                       |                 | Outer_Full      | 17.61 | / | /     | 10.73 | / | /       | <=38.45 | Pass |
|                                                                                       |                 | Inner_Full      | 17.70 | / | /     | 10.82 | / | /       | <=38.45 | Pass |
|                                                                                       | 839             | Inner_1RB_Left  | 17.27 | / | /     | 10.39 | / | /       | <=38.45 | Pass |
|                                                                                       |                 | Inner_1RB_Right | 17.37 | / | /     | 10.49 | / | /       | <=38.45 | Pass |
|                                                                                       |                 | Edge 1RB Left   | 17.25 | / | /     | 10.37 | / | /       | <=38.45 | Pass |
| Edge 1RB Right                                                                        |                 | 17.33           | /     | / | 10.45 | /     | / | <=38.45 | Pass    |      |
| Outer_Full                                                                            |                 | 17.66           | /     | / | 10.78 | /     | / | <=38.45 | Pass    |      |
|                                                                                       | Inner_Full      | 17.58           | /     | / | 10.70 | /     | / | <=38.45 | Pass    |      |
|                                                                                       | Inner_1RB_Left  | 17.31           | /     | / | 10.43 | /     | / | <=38.45 | Pass    |      |
|                                                                                       | Inner_1RB_Right | 17.24           | /     | / | 10.36 | /     | / | <=38.45 | Pass    |      |
| Note1: Antenna Gain: Ant31: -4.73dBi;<br>Note2: ERP=Conducted Power+Antenna Gain-2.15 |                 |                 |       |   |       |       |   |         |         |      |

## 2. Frequency Stability

### 2.1 Test Result

#### 2.1.1 15k\_SISO\_5MHz

| 5G NR n26b SCS=15kHz SISO 5MHz |                 |               |            |       |                  |                       |                |         |
|--------------------------------|-----------------|---------------|------------|-------|------------------|-----------------------|----------------|---------|
| Modulation                     | Frequency (MHz) | RB Allocation | Temp. (°C) | Volt. | Freq. Error (Hz) | Freq. vs. rated (ppm) |                | Verdict |
|                                |                 |               |            |       |                  | Result                | Limit          |         |
| DFT-s-OFDM PI/2 BPSK           | 836.5           | Outer_Full    | 20         | LV    | -4.10            | -0.0049               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               |            | HV    | -3.80            | -0.0045               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | -30        | NV    | -3.20            | -0.0038               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | -20        | NV    | -2.10            | -0.0025               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | -10        | NV    | -5.60            | -0.0067               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 0          | NV    | 1.90             | 0.0023                | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 10         | NV    | -2.50            | -0.0030               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 20         | NV    | -6.50            | -0.0078               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 30         | NV    | -5.80            | -0.0069               | >=-2.5 & <=2.5 | Pass    |
|                                |                 |               | 40         | NV    | -3.10            | -0.0037               | >=-2.5 & <=2.5 | Pass    |

|                    |       |            |     |    |       |         |                          |      |
|--------------------|-------|------------|-----|----|-------|---------|--------------------------|------|
|                    |       |            | 50  | NV | -2.80 | -0.0033 | $\geq -2.5$ & $\leq 2.5$ | Pass |
| DFT-s-OFDM QPSK    | 836.5 | Outer_Full | 20  | LV | -1.60 | -0.0019 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            |     | HV | -2.80 | -0.0033 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | -30 | NV | -5.00 | -0.0060 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | -20 | NV | -3.00 | -0.0036 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | -10 | NV | -4.20 | -0.0050 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 0   | NV | 0.40  | 0.0005  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 10  | NV | -0.70 | -0.0008 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 20  | NV | -4.40 | -0.0053 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 30  | NV | -4.30 | -0.0051 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 40  | NV | -4.10 | -0.0049 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 50  | NV | -2.20 | -0.0026 | $\geq -2.5$ & $\leq 2.5$ | Pass |
| DFT-s-OFDM 16 QAM  | 836.5 | Outer_Full | 20  | LV | -3.00 | -0.0036 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            |     | HV | -0.80 | -0.0010 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | -30 | NV | -3.80 | -0.0045 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | -20 | NV | -6.90 | -0.0082 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | -10 | NV | -5.60 | -0.0067 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 0   | NV | -7.60 | -0.0091 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 10  | NV | -5.00 | -0.0060 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 20  | NV | -5.60 | -0.0067 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 30  | NV | -2.70 | -0.0032 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 40  | NV | -7.00 | -0.0084 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 50  | NV | -2.00 | -0.0024 | $\geq -2.5$ & $\leq 2.5$ | Pass |
| DFT-s-OFDM 64 QAM  | 836.5 | Outer_Full | 20  | LV | -7.10 | -0.0085 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            |     | HV | -5.80 | -0.0069 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | -30 | NV | -5.50 | -0.0066 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | -20 | NV | -4.30 | -0.0051 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | -10 | NV | 2.30  | 0.0027  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 0   | NV | -5.30 | -0.0063 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 10  | NV | -6.60 | -0.0079 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 20  | NV | -3.90 | -0.0047 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 30  | NV | 1.50  | 0.0018  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 40  | NV | -1.60 | -0.0019 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 50  | NV | -4.40 | -0.0053 | $\geq -2.5$ & $\leq 2.5$ | Pass |
| DFT-s-OFDM 256 QAM | 836.5 | Outer_Full | 20  | LV | -2.50 | -0.0030 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            |     | HV | -5.10 | -0.0061 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | -30 | NV | -5.50 | -0.0066 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | -20 | NV | -3.90 | -0.0047 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | -10 | NV | -4.80 | -0.0057 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 0   | NV | -3.60 | -0.0043 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 10  | NV | -3.00 | -0.0036 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 20  | NV | -3.30 | -0.0039 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 30  | NV | -2.90 | -0.0035 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 40  | NV | -2.20 | -0.0026 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 50  | NV | -3.20 | -0.0038 | $\geq -2.5$ & $\leq 2.5$ | Pass |
| CP-OFDM QPSK       | 836.5 | Outer_Full | 20  | LV | -5.10 | -0.0061 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            |     | HV | -5.30 | -0.0063 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | -30 | NV | -5.10 | -0.0061 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | -20 | NV | -3.40 | -0.0041 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | -10 | NV | -1.30 | -0.0016 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 0   | NV | -4.00 | -0.0048 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 10  | NV | -4.40 | -0.0053 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 20  | NV | -8.10 | -0.0097 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 30  | NV | -6.20 | -0.0074 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 40  | NV | -3.90 | -0.0047 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 50  | NV | -2.30 | -0.0027 | $\geq -2.5$ & $\leq 2.5$ | Pass |
| CP-OFDM 16 QAM     | 836.5 | Outer_Full | 20  | LV | -6.90 | -0.0082 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            |     | HV | -5.50 | -0.0066 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | -30 | NV | -3.20 | -0.0038 | $\geq -2.5$ & $\leq 2.5$ | Pass |

|                 |       |            |     |    |       |         |                |      |
|-----------------|-------|------------|-----|----|-------|---------|----------------|------|
|                 |       |            | -20 | NV | -3.20 | -0.0038 | >=-2.5 & <=2.5 | Pass |
|                 |       |            | -10 | NV | -4.60 | -0.0055 | >=-2.5 & <=2.5 | Pass |
|                 |       |            | 0   | NV | -5.20 | -0.0062 | >=-2.5 & <=2.5 | Pass |
|                 |       |            | 10  | NV | -4.40 | -0.0053 | >=-2.5 & <=2.5 | Pass |
|                 |       |            | 20  | NV | -2.70 | -0.0032 | >=-2.5 & <=2.5 | Pass |
|                 |       |            | 30  | NV | -2.00 | -0.0024 | >=-2.5 & <=2.5 | Pass |
|                 |       |            | 40  | NV | -1.30 | -0.0016 | >=-2.5 & <=2.5 | Pass |
|                 |       |            | 50  | NV | -2.00 | -0.0024 | >=-2.5 & <=2.5 | Pass |
| CP-OFDM 64 QAM  | 836.5 | Outer_Full | 20  | LV | -6.00 | -0.0072 | >=-2.5 & <=2.5 | Pass |
|                 |       |            |     | HV | -6.60 | -0.0079 | >=-2.5 & <=2.5 | Pass |
|                 |       |            | -30 | NV | -6.00 | -0.0072 | >=-2.5 & <=2.5 | Pass |
|                 |       |            | -20 | NV | -6.00 | -0.0072 | >=-2.5 & <=2.5 | Pass |
|                 |       |            | -10 | NV | -4.80 | -0.0057 | >=-2.5 & <=2.5 | Pass |
|                 |       |            | 0   | NV | -6.90 | -0.0082 | >=-2.5 & <=2.5 | Pass |
|                 |       |            | 10  | NV | -4.50 | -0.0054 | >=-2.5 & <=2.5 | Pass |
|                 |       |            | 20  | NV | -4.20 | -0.0050 | >=-2.5 & <=2.5 | Pass |
|                 |       |            | 30  | NV | -6.20 | -0.0074 | >=-2.5 & <=2.5 | Pass |
|                 |       |            | 40  | NV | -1.50 | -0.0018 | >=-2.5 & <=2.5 | Pass |
|                 |       |            | 50  | NV | -6.70 | -0.0080 | >=-2.5 & <=2.5 | Pass |
| CP-OFDM 256 QAM | 836.5 | Outer_Full | 20  | LV | -4.40 | -0.0053 | >=-2.5 & <=2.5 | Pass |
|                 |       |            |     | HV | -4.50 | -0.0054 | >=-2.5 & <=2.5 | Pass |
|                 |       |            | -30 | NV | -5.40 | -0.0065 | >=-2.5 & <=2.5 | Pass |
|                 |       |            | -20 | NV | -3.20 | -0.0038 | >=-2.5 & <=2.5 | Pass |
|                 |       |            | -10 | NV | -3.00 | -0.0036 | >=-2.5 & <=2.5 | Pass |
|                 |       |            | 0   | NV | -5.10 | -0.0061 | >=-2.5 & <=2.5 | Pass |
|                 |       |            | 10  | NV | -3.00 | -0.0036 | >=-2.5 & <=2.5 | Pass |
|                 |       |            | 20  | NV | -3.70 | -0.0044 | >=-2.5 & <=2.5 | Pass |
|                 |       |            | 30  | NV | -3.00 | -0.0036 | >=-2.5 & <=2.5 | Pass |
|                 |       |            | 40  | NV | -3.90 | -0.0047 | >=-2.5 & <=2.5 | Pass |
|                 |       |            | 50  | NV | -6.60 | -0.0079 | >=-2.5 & <=2.5 | Pass |

## 2.1.2 15k\_SISO\_10MHz

| 5G NR n26b 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            | 836.5           | Outer_Full    | 20         | LV    | -2.80            | -0.0033               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               |            | HV    | -5.20            | -0.0062               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | -30        | NV    | -5.10            | -0.0061               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | -20        | NV    | -5.00            | -0.0060               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | -10        | NV    | -3.30            | -0.0039               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | 0          | NV    | -2.10            | -0.0025               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | 10         | NV    | -5.10            | -0.0061               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | 20         | NV    | -1.70            | -0.0020               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | 30         | NV    | -3.20            | -0.0038               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | 40         | NV    | -3.20            | -0.0038               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | 50         | NV    | -3.80            | -0.0045               | >=-2.5 & <=2.5 | Pass    |
| DFT-s-OFDM QPSK                 | 836.5           | Outer_Full    | 20         | LV    | -4.80            | -0.0057               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               |            | HV    | -3.30            | -0.0039               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | -30        | NV    | -5.10            | -0.0061               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | -20        | NV    | -5.80            | -0.0069               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | -10        | NV    | -2.40            | -0.0029               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | 0          | NV    | -2.80            | -0.0033               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | 10         | NV    | -2.60            | -0.0031               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | 20         | NV    | -5.20            | -0.0062               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | 30         | NV    | -3.50            | -0.0042               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | 40         | NV    | 1.20             | 0.0014                | >=-2.5 & <=2.5 | Pass    |

|                    |       |            |     |    |       |         |                          |      |
|--------------------|-------|------------|-----|----|-------|---------|--------------------------|------|
|                    |       |            | 50  | NV | -3.80 | -0.0045 | $\geq -2.5$ & $\leq 2.5$ | Pass |
| DFT-s-OFDM 16 QAM  | 836.5 | Outer_Full | 20  | LV | -2.10 | -0.0025 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            |     | HV | -6.40 | -0.0077 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | -30 | NV | -4.10 | -0.0049 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | -20 | NV | -2.70 | -0.0032 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | -10 | NV | -3.50 | -0.0042 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 0   | NV | -7.90 | -0.0094 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 10  | NV | -3.80 | -0.0045 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 20  | NV | -3.40 | -0.0041 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 30  | NV | -4.60 | -0.0055 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 40  | NV | -7.40 | -0.0088 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 50  | NV | -1.60 | -0.0019 | $\geq -2.5$ & $\leq 2.5$ | Pass |
| DFT-s-OFDM 64 QAM  | 836.5 | Outer_Full | 20  | LV | -7.30 | -0.0087 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            |     | HV | -2.00 | -0.0024 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | -30 | NV | -3.20 | -0.0038 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | -20 | NV | -1.80 | -0.0022 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | -10 | NV | -4.90 | -0.0059 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 0   | NV | -3.50 | -0.0042 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 10  | NV | -5.60 | -0.0067 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 20  | NV | -5.80 | -0.0069 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 30  | NV | -3.10 | -0.0037 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 40  | NV | -4.00 | -0.0048 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 50  | NV | -5.10 | -0.0061 | $\geq -2.5$ & $\leq 2.5$ | Pass |
| DFT-s-OFDM 256 QAM | 836.5 | Outer_Full | 20  | LV | -5.10 | -0.0061 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            |     | HV | -5.70 | -0.0068 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | -30 | NV | -3.70 | -0.0044 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | -20 | NV | -5.80 | -0.0069 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | -10 | NV | -4.50 | -0.0054 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 0   | NV | -4.10 | -0.0049 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 10  | NV | -3.30 | -0.0039 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 20  | NV | -2.90 | -0.0035 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 30  | NV | -5.40 | -0.0065 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 40  | NV | -3.70 | -0.0044 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 50  | NV | -3.30 | -0.0039 | $\geq -2.5$ & $\leq 2.5$ | Pass |
| CP-OFDM QPSK       | 836.5 | Outer_Full | 20  | LV | -2.60 | -0.0031 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            |     | HV | -4.90 | -0.0059 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | -30 | NV | -5.80 | -0.0069 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | -20 | NV | -3.30 | -0.0039 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | -10 | NV | -6.00 | -0.0072 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 0   | NV | -2.60 | -0.0031 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 10  | NV | -2.30 | -0.0027 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 20  | NV | -9.00 | -0.0108 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 30  | NV | -5.80 | -0.0069 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 40  | NV | -3.70 | -0.0044 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 50  | NV | -4.00 | -0.0048 | $\geq -2.5$ & $\leq 2.5$ | Pass |
| CP-OFDM 16 QAM     | 836.5 | Outer_Full | 20  | LV | -3.10 | -0.0037 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            |     | HV | -3.90 | -0.0047 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | -30 | NV | -3.50 | -0.0042 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | -20 | NV | -4.70 | -0.0056 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | -10 | NV | -6.80 | -0.0081 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 0   | NV | -4.10 | -0.0049 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 10  | NV | -5.30 | -0.0063 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 20  | NV | -6.40 | -0.0077 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 30  | NV | -3.20 | -0.0038 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 40  | NV | 1.90  | 0.0023  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 50  | NV | -4.60 | -0.0055 | $\geq -2.5$ & $\leq 2.5$ | Pass |
| CP-OFDM 64 QAM     | 836.5 | Outer_Full | 20  | LV | -5.20 | -0.0062 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            |     | HV | -1.80 | -0.0022 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | -30 | NV | -1.70 | -0.0020 | $\geq -2.5$ & $\leq 2.5$ | Pass |

|                 |       |            |     |    |       |         |                |      |
|-----------------|-------|------------|-----|----|-------|---------|----------------|------|
|                 |       |            | -20 | NV | -6.90 | -0.0082 | >=-2.5 & <=2.5 | Pass |
|                 |       |            | -10 | NV | -5.10 | -0.0061 | >=-2.5 & <=2.5 | Pass |
|                 |       |            | 0   | NV | -4.00 | -0.0048 | >=-2.5 & <=2.5 | Pass |
|                 |       |            | 10  | NV | -7.90 | -0.0094 | >=-2.5 & <=2.5 | Pass |
|                 |       |            | 20  | NV | -7.10 | -0.0085 | >=-2.5 & <=2.5 | Pass |
|                 |       |            | 30  | NV | -3.10 | -0.0037 | >=-2.5 & <=2.5 | Pass |
|                 |       |            | 40  | NV | -6.00 | -0.0072 | >=-2.5 & <=2.5 | Pass |
|                 |       |            | 50  | NV | -8.10 | -0.0097 | >=-2.5 & <=2.5 | Pass |
| CP-OFDM 256 QAM | 836.5 | Outer_Full | 20  | LV | -5.10 | -0.0061 | >=-2.5 & <=2.5 | Pass |
|                 |       |            |     | HV | -6.80 | -0.0081 | >=-2.5 & <=2.5 | Pass |
|                 |       |            | -30 | NV | -6.10 | -0.0073 | >=-2.5 & <=2.5 | Pass |
|                 |       |            | -20 | NV | -6.60 | -0.0079 | >=-2.5 & <=2.5 | Pass |
|                 |       |            | -10 | NV | -5.20 | -0.0062 | >=-2.5 & <=2.5 | Pass |
|                 |       |            | 0   | NV | -5.80 | -0.0069 | >=-2.5 & <=2.5 | Pass |
|                 |       |            | 10  | NV | -2.50 | -0.0030 | >=-2.5 & <=2.5 | Pass |
|                 |       |            | 20  | NV | -7.30 | -0.0087 | >=-2.5 & <=2.5 | Pass |
|                 |       |            | 30  | NV | -4.70 | -0.0056 | >=-2.5 & <=2.5 | Pass |
|                 |       |            | 40  | NV | -6.50 | -0.0078 | >=-2.5 & <=2.5 | Pass |
|                 |       |            | 50  | NV | -4.60 | -0.0055 | >=-2.5 & <=2.5 | Pass |

### 2.1.3 15k\_SISO\_15MHz

| 5G NR n26b SCS=15kHz SISO 15MHz |                 |               |            |       |                  |                       |                |         |
|---------------------------------|-----------------|---------------|------------|-------|------------------|-----------------------|----------------|---------|
| Modulation                      | Frequency (MHz) | RB Allocation | Temp. (°C) | Volt. | Freq. Error (Hz) | Freq. vs. rated (ppm) |                | Verdict |
|                                 |                 |               |            |       |                  | Result                | Limit          |         |
| DFT-s-OFDM PI/2 BPSK            | 836.5           | Outer_Full    | 20         | LV    | -2.80            | -0.0033               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               |            | HV    | -4.40            | -0.0053               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | -30        | NV    | -8.60            | -0.0103               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | -20        | NV    | -3.40            | -0.0041               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | -10        | NV    | -3.80            | -0.0045               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | 0          | NV    | 1.80             | 0.0022                | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | 10         | NV    | -6.10            | -0.0073               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | 20         | NV    | -5.60            | -0.0067               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | 30         | NV    | -5.90            | -0.0071               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | 40         | NV    | -1.60            | -0.0019               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | 50         | NV    | -2.40            | -0.0029               | >=-2.5 & <=2.5 | Pass    |
| DFT-s-OFDM QPSK                 | 836.5           | Outer_Full    | 20         | LV    | -5.40            | -0.0065               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               |            | HV    | -3.70            | -0.0044               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | -30        | NV    | -2.90            | -0.0035               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | -20        | NV    | -5.10            | -0.0061               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | -10        | NV    | -6.60            | -0.0079               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | 0          | NV    | -3.60            | -0.0043               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | 10         | NV    | -4.10            | -0.0049               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | 20         | NV    | -4.60            | -0.0055               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | 30         | NV    | -4.80            | -0.0057               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | 40         | NV    | -6.70            | -0.0080               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | 50         | NV    | -5.20            | -0.0062               | >=-2.5 & <=2.5 | Pass    |
| DFT-s-OFDM 16 QAM               | 836.5           | Outer_Full    | 20         | LV    | -5.30            | -0.0063               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               |            | HV    | -4.20            | -0.0050               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | -30        | NV    | -2.10            | -0.0025               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | -20        | NV    | -5.70            | -0.0068               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | -10        | NV    | -6.10            | -0.0073               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | 0          | NV    | -4.20            | -0.0050               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | 10         | NV    | 0.30             | 0.0004                | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | 20         | NV    | -3.00            | -0.0036               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | 30         | NV    | -3.30            | -0.0039               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | 40         | NV    | -1.70            | -0.0020               | >=-2.5 & <=2.5 | Pass    |

|                    |       |            |     |    |       |         |                          |      |
|--------------------|-------|------------|-----|----|-------|---------|--------------------------|------|
|                    |       |            | 50  | NV | -8.50 | -0.0102 | $\geq -2.5$ & $\leq 2.5$ | Pass |
| DFT-s-OFDM 64 QAM  | 836.5 | Outer_Full | 20  | LV | 0.30  | 0.0004  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            |     | HV | -2.50 | -0.0030 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | -30 | NV | -3.10 | -0.0037 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | -20 | NV | -5.80 | -0.0069 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | -10 | NV | -7.70 | -0.0092 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 0   | NV | -4.00 | -0.0048 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 10  | NV | -4.10 | -0.0049 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 20  | NV | -2.70 | -0.0032 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 30  | NV | -4.50 | -0.0054 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 40  | NV | -4.90 | -0.0059 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 50  | NV | -6.40 | -0.0077 | $\geq -2.5$ & $\leq 2.5$ | Pass |
| DFT-s-OFDM 256 QAM | 836.5 | Outer_Full | 20  | LV | -2.80 | -0.0033 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            |     | HV | -4.50 | -0.0054 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | -30 | NV | -3.90 | -0.0047 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | -20 | NV | -4.90 | -0.0059 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | -10 | NV | -4.40 | -0.0053 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 0   | NV | -4.40 | -0.0053 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 10  | NV | -2.20 | -0.0026 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 20  | NV | -2.80 | -0.0033 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 30  | NV | -2.30 | -0.0027 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 40  | NV | -1.60 | -0.0019 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 50  | NV | -4.00 | -0.0048 | $\geq -2.5$ & $\leq 2.5$ | Pass |
| CP-OFDM QPSK       | 836.5 | Outer_Full | 20  | LV | -5.10 | -0.0061 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            |     | HV | -6.20 | -0.0074 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | -30 | NV | -1.30 | -0.0016 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | -20 | NV | -3.60 | -0.0043 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | -10 | NV | -4.60 | -0.0055 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 0   | NV | -2.70 | -0.0032 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 10  | NV | -7.60 | -0.0091 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 20  | NV | -6.40 | -0.0077 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 30  | NV | -3.90 | -0.0047 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 40  | NV | -5.90 | -0.0071 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 50  | NV | -3.40 | -0.0041 | $\geq -2.5$ & $\leq 2.5$ | Pass |
| CP-OFDM 16 QAM     | 836.5 | Outer_Full | 20  | LV | -6.20 | -0.0074 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            |     | HV | -6.30 | -0.0075 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | -30 | NV | -2.20 | -0.0026 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | -20 | NV | 1.70  | 0.0020  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | -10 | NV | -3.10 | -0.0037 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 0   | NV | -2.10 | -0.0025 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 10  | NV | -6.20 | -0.0074 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 20  | NV | -4.90 | -0.0059 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 30  | NV | -7.40 | -0.0088 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 40  | NV | -2.60 | -0.0031 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 50  | NV | -5.20 | -0.0062 | $\geq -2.5$ & $\leq 2.5$ | Pass |
| CP-OFDM 64 QAM     | 836.5 | Outer_Full | 20  | LV | -3.60 | -0.0043 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            |     | HV | -5.70 | -0.0068 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | -30 | NV | -6.50 | -0.0078 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | -20 | NV | -4.40 | -0.0053 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | -10 | NV | -5.80 | -0.0069 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 0   | NV | -3.40 | -0.0041 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 10  | NV | -6.40 | -0.0077 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 20  | NV | -2.90 | -0.0035 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 30  | NV | -3.40 | -0.0041 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 40  | NV | -6.30 | -0.0075 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 50  | NV | -2.00 | -0.0024 | $\geq -2.5$ & $\leq 2.5$ | Pass |
| CP-OFDM 256 QAM    | 836.5 | Outer_Full | 20  | LV | -1.40 | -0.0017 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            |     | HV | -5.50 | -0.0066 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | -30 | NV | -2.30 | -0.0027 | $\geq -2.5$ & $\leq 2.5$ | Pass |

|  |  |  |     |    |        |         |                |      |
|--|--|--|-----|----|--------|---------|----------------|------|
|  |  |  | -20 | NV | 1.90   | 0.0023  | >=-2.5 & <=2.5 | Pass |
|  |  |  | -10 | NV | -3.70  | -0.0044 | >=-2.5 & <=2.5 | Pass |
|  |  |  | 0   | NV | -3.50  | -0.0042 | >=-2.5 & <=2.5 | Pass |
|  |  |  | 10  | NV | -3.00  | -0.0036 | >=-2.5 & <=2.5 | Pass |
|  |  |  | 20  | NV | -4.10  | -0.0049 | >=-2.5 & <=2.5 | Pass |
|  |  |  | 30  | NV | -10.90 | -0.0130 | >=-2.5 & <=2.5 | Pass |
|  |  |  | 40  | NV | -8.00  | -0.0096 | >=-2.5 & <=2.5 | Pass |
|  |  |  | 50  | NV | -3.50  | -0.0042 | >=-2.5 & <=2.5 | Pass |

## 2.1.4 15k\_SISO\_20MHz

| 5G NR n26b SCS=15kHz SISO 20MHz |                 |               |            |       |                  |                       |                |         |
|---------------------------------|-----------------|---------------|------------|-------|------------------|-----------------------|----------------|---------|
| Modulation                      | Frequency (MHz) | RB Allocation | Temp. (°C) | Volt. | Freq. Error (Hz) | Freq. vs. rated (ppm) |                | Verdict |
|                                 |                 |               |            |       |                  | Result                | Limit          |         |
| DFT-s-OFDM PI/2 BPSK            | 836.5           | Outer_Full    | 20         | LV    | -9.50            | -0.0114               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               |            | HV    | -5.90            | -0.0071               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | -30        | NV    | -7.10            | -0.0085               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | -20        | NV    | -10.70           | -0.0128               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | -10        | NV    | -7.60            | -0.0091               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | 0          | NV    | -9.40            | -0.0112               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | 10         | NV    | -9.70            | -0.0116               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | 20         | NV    | -10.10           | -0.0121               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | 30         | NV    | -9.40            | -0.0112               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | 40         | NV    | -11.30           | -0.0135               | >=-2.5 & <=2.5 | Pass    |
| DFT-s-OFDM QPSK                 | 836.5           | Outer_Full    | 20         | LV    | -9.30            | -0.0111               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               |            | HV    | -8.60            | -0.0103               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | -30        | NV    | -12.40           | -0.0148               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | -20        | NV    | -10.80           | -0.0129               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | -10        | NV    | -10.80           | -0.0129               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | 0          | NV    | -9.50            | -0.0114               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | 10         | NV    | -8.90            | -0.0106               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | 20         | NV    | -11.20           | -0.0134               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | 30         | NV    | -11.10           | -0.0133               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | 40         | NV    | -9.10            | -0.0109               | >=-2.5 & <=2.5 | Pass    |
| DFT-s-OFDM 16 QAM               | 836.5           | Outer_Full    | 20         | LV    | -8.40            | -0.0100               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               |            | HV    | -8.40            | -0.0100               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | -30        | NV    | -8.90            | -0.0106               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | -20        | NV    | -9.90            | -0.0118               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | -10        | NV    | -9.30            | -0.0111               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | 0          | NV    | -5.70            | -0.0068               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | 10         | NV    | -5.60            | -0.0067               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | 20         | NV    | -11.70           | -0.0140               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | 30         | NV    | -8.80            | -0.0105               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | 40         | NV    | -9.00            | -0.0108               | >=-2.5 & <=2.5 | Pass    |
| DFT-s-OFDM 64 QAM               | 836.5           | Outer_Full    | 20         | LV    | -9.70            | -0.0116               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               |            | HV    | -11.90           | -0.0142               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | -30        | NV    | -9.40            | -0.0112               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | -20        | NV    | -9.50            | -0.0114               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | -10        | NV    | -9.50            | -0.0114               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | 0          | NV    | -10.00           | -0.0120               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | 10         | NV    | -7.00            | -0.0084               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | 20         | NV    | -11.20           | -0.0134               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | 30         | NV    | -9.20            | -0.0110               | >=-2.5 & <=2.5 | Pass    |
|                                 |                 |               | 40         | NV    | -7.30            | -0.0087               | >=-2.5 & <=2.5 | Pass    |

|                    |       |            |     |    |       |         |                          |      |
|--------------------|-------|------------|-----|----|-------|---------|--------------------------|------|
|                    |       |            | 50  | NV | -8.40 | -0.0100 | $\geq -2.5$ & $\leq 2.5$ | Pass |
| DFT-s-OFDM 256 QAM | 836.5 | Outer_Full | 20  | LV | -3.40 | -0.0041 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            |     | HV | -1.70 | -0.0020 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | -30 | NV | -3.00 | -0.0036 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | -20 | NV | -5.80 | -0.0069 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | -10 | NV | 0.90  | 0.0011  | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 0   | NV | -6.60 | -0.0079 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 10  | NV | -7.00 | -0.0084 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 20  | NV | -2.70 | -0.0032 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 30  | NV | -5.10 | -0.0061 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 40  | NV | -2.10 | -0.0025 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 50  | NV | -1.50 | -0.0018 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            |     |    |       |         |                          |      |
| CP-OFDM QPSK       | 836.5 | Outer_Full | 20  | LV | -4.70 | -0.0056 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            |     | HV | -4.80 | -0.0057 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | -30 | NV | -4.60 | -0.0055 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | -20 | NV | -3.30 | -0.0039 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | -10 | NV | -3.10 | -0.0037 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 0   | NV | -2.70 | -0.0032 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 10  | NV | -5.00 | -0.0060 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 20  | NV | -5.00 | -0.0060 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 30  | NV | -4.10 | -0.0049 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 40  | NV | -4.50 | -0.0054 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 50  | NV | -6.70 | -0.0080 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            |     |    |       |         |                          |      |
| CP-OFDM 16 QAM     | 836.5 | Outer_Full | 20  | LV | -3.50 | -0.0042 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            |     | HV | -4.20 | -0.0050 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | -30 | NV | -3.00 | -0.0036 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | -20 | NV | -4.70 | -0.0056 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | -10 | NV | -1.30 | -0.0016 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 0   | NV | -5.50 | -0.0066 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 10  | NV | -5.40 | -0.0065 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 20  | NV | -4.90 | -0.0059 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 30  | NV | -3.90 | -0.0047 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 40  | NV | -5.90 | -0.0071 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 50  | NV | -1.20 | -0.0014 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            |     |    |       |         |                          |      |
| CP-OFDM 64 QAM     | 836.5 | Outer_Full | 20  | LV | -6.90 | -0.0082 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            |     | HV | -4.60 | -0.0055 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | -30 | NV | -4.30 | -0.0051 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | -20 | NV | -8.00 | -0.0096 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | -10 | NV | -2.90 | -0.0035 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 0   | NV | -2.60 | -0.0031 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 10  | NV | -1.90 | -0.0023 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 20  | NV | -8.70 | -0.0104 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 30  | NV | -6.30 | -0.0075 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 40  | NV | -6.90 | -0.0082 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 50  | NV | -5.40 | -0.0065 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            |     |    |       |         |                          |      |
| CP-OFDM 256 QAM    | 836.5 | Outer_Full | 20  | LV | -3.90 | -0.0047 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            |     | HV | -4.50 | -0.0054 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | -30 | NV | -3.00 | -0.0036 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | -20 | NV | -3.80 | -0.0045 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | -10 | NV | -2.10 | -0.0025 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 0   | NV | -2.50 | -0.0030 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 10  | NV | -7.00 | -0.0084 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 20  | NV | -5.60 | -0.0067 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 30  | NV | -4.70 | -0.0056 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 40  | NV | -2.60 | -0.0031 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            | 50  | NV | -4.60 | -0.0055 | $\geq -2.5$ & $\leq 2.5$ | Pass |
|                    |       |            |     |    |       |         |                          |      |

### 3. 99% & 26dB Bandwidth

#### 3.1 Test Result

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

| 5G NR n26b SCS=15kHz SISO 5MHz NTN |                 |               |                     |                      |             |         |
|------------------------------------|-----------------|---------------|---------------------|----------------------|-------------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation | 99% Bandwidth (MHz) | 26dB Bandwidth (MHz) | Limit (MHz) | Verdict |
| DFT-s-OFDM PI/2 BPSK               | 826.5           | Outer_Full    | 4.59                | 5.32                 | /           | Pass    |
|                                    | 836.5           | Outer_Full    | 4.56                | 5.26                 | /           | Pass    |
|                                    | 846.5           | Outer_Full    | 4.58                | 5.33                 | /           | Pass    |
| DFT-s-OFDM QPSK                    | 826.5           | Outer_Full    | 4.55                | 5.29                 | /           | Pass    |
|                                    | 836.5           | Outer_Full    | 4.57                | 5.45                 | /           | Pass    |
|                                    | 846.5           | Outer_Full    | 4.54                | 5.25                 | /           | Pass    |
| DFT-s-OFDM 16 QAM                  | 826.5           | Outer_Full    | 4.60                | 5.44                 | /           | Pass    |
|                                    | 836.5           | Outer_Full    | 4.58                | 5.37                 | /           | Pass    |
|                                    | 846.5           | Outer_Full    | 4.62                | 5.44                 | /           | Pass    |
| DFT-s-OFDM 64 QAM                  | 826.5           | Outer_Full    | 4.54                | 5.18                 | /           | Pass    |
|                                    | 836.5           | Outer_Full    | 4.58                | 5.38                 | /           | Pass    |
|                                    | 846.5           | Outer_Full    | 4.58                | 5.29                 | /           | Pass    |
| DFT-s-OFDM 256 QAM                 | 826.5           | Outer_Full    | 4.60                | 5.41                 | /           | Pass    |
|                                    | 836.5           | Outer_Full    | 4.62                | 5.51                 | /           | Pass    |
|                                    | 846.5           | Outer_Full    | 4.58                | 5.39                 | /           | Pass    |
| CP-OFDM QPSK                       | 826.5           | Outer_Full    | 4.55                | 5.39                 | /           | Pass    |
|                                    | 836.5           | Outer_Full    | 4.54                | 5.46                 | /           | Pass    |
|                                    | 846.5           | Outer_Full    | 4.55                | 5.37                 | /           | Pass    |
| CP-OFDM 16 QAM                     | 826.5           | Outer_Full    | 4.58                | 5.42                 | /           | Pass    |
|                                    | 836.5           | Outer_Full    | 4.62                | 5.40                 | /           | Pass    |
|                                    | 846.5           | Outer_Full    | 4.58                | 5.38                 | /           | Pass    |
| CP-OFDM 64 QAM                     | 826.5           | Outer_Full    | 4.54                | 5.31                 | /           | Pass    |
|                                    | 836.5           | Outer_Full    | 4.52                | 5.23                 | /           | Pass    |
|                                    | 846.5           | Outer_Full    | 4.55                | 5.35                 | /           | Pass    |
| CP-OFDM 256 QAM                    | 826.5           | Outer_Full    | 4.56                | 5.36                 | /           | Pass    |
|                                    | 836.5           | Outer_Full    | 4.58                | 5.37                 | /           | Pass    |
|                                    | 846.5           | Outer_Full    | 4.57                | 5.39                 | /           | Pass    |

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

| 5G NR n26b 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                | 829             | Outer_Full    | 9.05                | 9.96                 | /           | Pass    |
|                                     | 836.5           | Outer_Full    | 9.04                | 9.95                 | /           | Pass    |
|                                     | 844             | Outer_Full    | 9.05                | 9.96                 | /           | Pass    |
| DFT-s-OFDM QPSK                     | 829             | Outer_Full    | 9.09                | 10.04                | /           | Pass    |
|                                     | 836.5           | Outer_Full    | 9.08                | 10.11                | /           | Pass    |
|                                     | 844             | Outer_Full    | 9.07                | 10.10                | /           | Pass    |
| DFT-s-OFDM 16 QAM                   | 829             | Outer_Full    | 9.06                | 10.01                | /           | Pass    |
|                                     | 836.5           | Outer_Full    | 9.06                | 9.95                 | /           | Pass    |
|                                     | 844             | Outer_Full    | 9.05                | 10.01                | /           | Pass    |
| DFT-s-OFDM 64 QAM                   | 829             | Outer_Full    | 9.07                | 9.98                 | /           | Pass    |
|                                     | 836.5           | Outer_Full    | 9.08                | 10.02                | /           | Pass    |
|                                     | 844             | Outer_Full    | 9.07                | 9.96                 | /           | Pass    |
| DFT-s-OFDM 256 QAM                  | 829             | Outer_Full    | 9.05                | 10.01                | /           | Pass    |
|                                     | 836.5           | Outer_Full    | 9.05                | 9.90                 | /           | Pass    |

|                 |       |            |      |       |   |      |
|-----------------|-------|------------|------|-------|---|------|
| CP-OFDM QPSK    | 844   | Outer_Full | 9.06 | 9.97  | / | Pass |
|                 | 829   | Outer_Full | 9.40 | 10.46 | / | Pass |
|                 | 836.5 | Outer_Full | 9.38 | 10.38 | / | Pass |
|                 | 844   | Outer_Full | 9.37 | 10.39 | / | Pass |
| CP-OFDM 16 QAM  | 829   | Outer_Full | 9.40 | 10.41 | / | Pass |
|                 | 836.5 | Outer_Full | 9.40 | 10.41 | / | Pass |
|                 | 844   | Outer_Full | 9.41 | 10.32 | / | Pass |
| CP-OFDM 64 QAM  | 829   | Outer_Full | 9.37 | 10.29 | / | Pass |
|                 | 836.5 | Outer_Full | 9.36 | 10.33 | / | Pass |
|                 | 844   | Outer_Full | 9.33 | 10.31 | / | Pass |
| CP-OFDM 256 QAM | 829   | Outer_Full | 9.39 | 10.44 | / | Pass |
|                 | 836.5 | Outer_Full | 9.39 | 10.39 | / | Pass |
|                 | 844   | Outer_Full | 9.38 | 10.39 | / | Pass |

### 3.1.3 15k\_SISO\_15MHz\_NTNV

| 5G NR n26b SCS=15kHz SISO 15MHz NTN |                 |               |                     |                      |             |         |
|-------------------------------------|-----------------|---------------|---------------------|----------------------|-------------|---------|
| Modulation                          | Frequency (MHz) | RB Allocation | 99% Bandwidth (MHz) | 26dB Bandwidth (MHz) | Limit (MHz) | Verdict |
| DFT-s-OFDM PI/2 BPSK                | 831.5           | Outer_Full    | 13.60               | 14.86                | /           | Pass    |
|                                     | 836.5           | Outer_Full    | 13.59               | 14.80                | /           | Pass    |
|                                     | 841.5           | Outer_Full    | 13.57               | 14.69                | /           | Pass    |
| DFT-s-OFDM QPSK                     | 831.5           | Outer_Full    | 13.66               | 14.96                | /           | Pass    |
|                                     | 836.5           | Outer_Full    | 13.66               | 14.91                | /           | Pass    |
|                                     | 841.5           | Outer_Full    | 13.61               | 14.91                | /           | Pass    |
| DFT-s-OFDM 16 QAM                   | 831.5           | Outer_Full    | 13.64               | 14.88                | /           | Pass    |
|                                     | 836.5           | Outer_Full    | 13.63               | 14.82                | /           | Pass    |
|                                     | 841.5           | Outer_Full    | 13.61               | 14.87                | /           | Pass    |
| DFT-s-OFDM 64 QAM                   | 831.5           | Outer_Full    | 13.58               | 14.82                | /           | Pass    |
|                                     | 836.5           | Outer_Full    | 13.55               | 14.80                | /           | Pass    |
|                                     | 841.5           | Outer_Full    | 13.53               | 14.85                | /           | Pass    |
| DFT-s-OFDM 256 QAM                  | 831.5           | Outer_Full    | 13.60               | 14.85                | /           | Pass    |
|                                     | 836.5           | Outer_Full    | 13.63               | 14.77                | /           | Pass    |
|                                     | 841.5           | Outer_Full    | 13.61               | 14.66                | /           | Pass    |
| CP-OFDM QPSK                        | 831.5           | Outer_Full    | 14.26               | 15.53                | /           | Pass    |
|                                     | 836.5           | Outer_Full    | 14.29               | 15.50                | /           | Pass    |
|                                     | 841.5           | Outer_Full    | 14.27               | 15.51                | /           | Pass    |
| CP-OFDM 16 QAM                      | 831.5           | Outer_Full    | 14.28               | 15.54                | /           | Pass    |
|                                     | 836.5           | Outer_Full    | 14.24               | 15.51                | /           | Pass    |
|                                     | 841.5           | Outer_Full    | 14.26               | 15.50                | /           | Pass    |
| CP-OFDM 64 QAM                      | 831.5           | Outer_Full    | 14.31               | 15.56                | /           | Pass    |
|                                     | 836.5           | Outer_Full    | 14.28               | 15.53                | /           | Pass    |
|                                     | 841.5           | Outer_Full    | 14.23               | 15.44                | /           | Pass    |
| CP-OFDM 256 QAM                     | 831.5           | Outer_Full    | 14.27               | 15.50                | /           | Pass    |
|                                     | 836.5           | Outer_Full    | 14.24               | 15.51                | /           | Pass    |
|                                     | 841.5           | Outer_Full    | 14.25               | 15.44                | /           | Pass    |

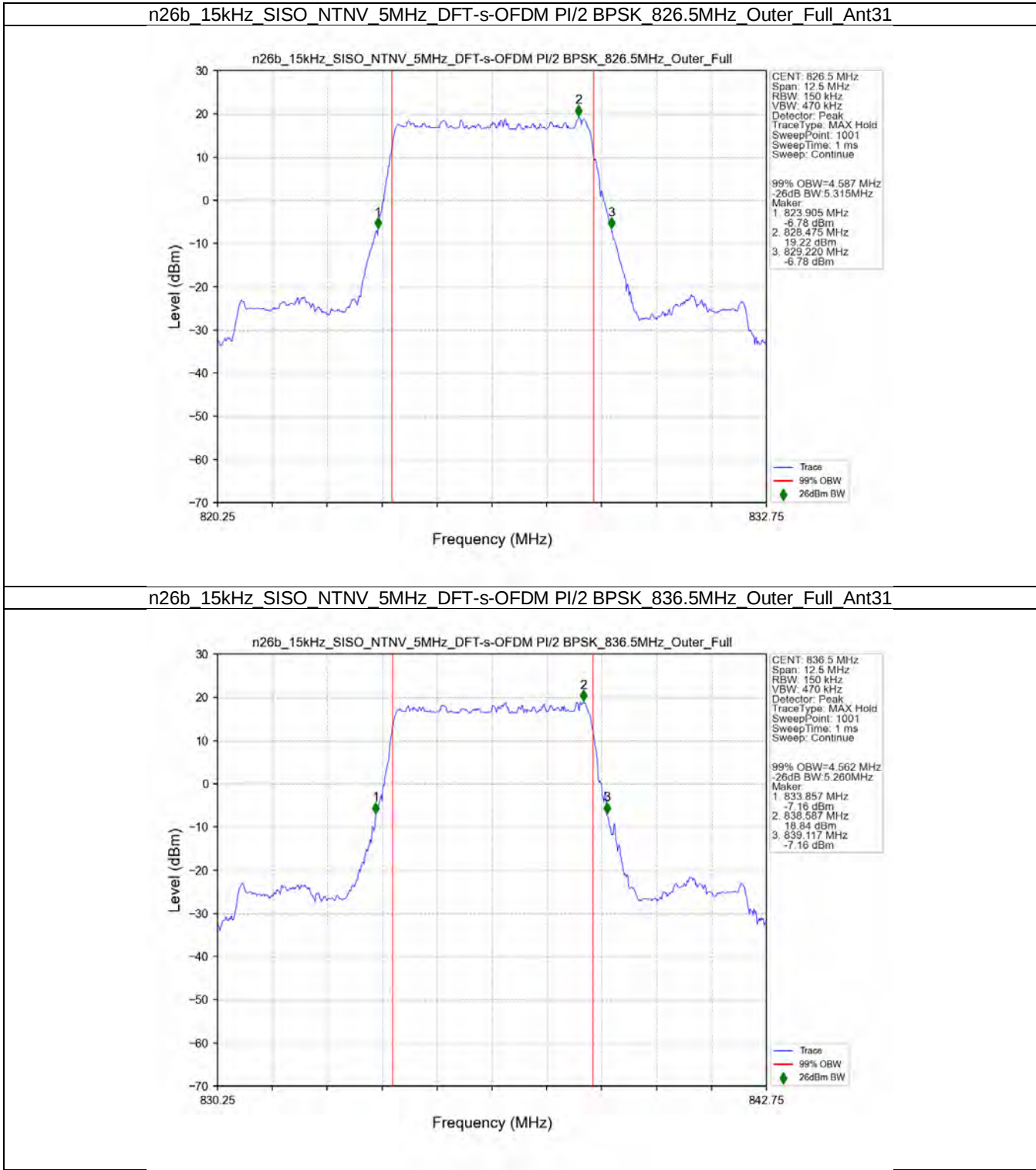
### 3.1.4 15k\_SISO\_20MHz\_NTNV

| 5G NR n26b SCS=15kHz SISO 20MHz NTN |                 |               |                     |                      |             |         |
|-------------------------------------|-----------------|---------------|---------------------|----------------------|-------------|---------|
| Modulation                          | Frequency (MHz) | RB Allocation | 99% Bandwidth (MHz) | 26dB Bandwidth (MHz) | Limit (MHz) | Verdict |
| DFT-s-OFDM PI/2 BPSK                | 834             | Outer_Full    | 18.09               | 19.44                | /           | Pass    |
|                                     | 836.5           | Outer_Full    | 18.08               | 19.41                | /           | Pass    |
|                                     | 839             | Outer_Full    | 18.06               | 19.41                | /           | Pass    |
| DFT-s-OFDM QPSK                     | 834             | Outer_Full    | 18.05               | 19.53                | /           | Pass    |

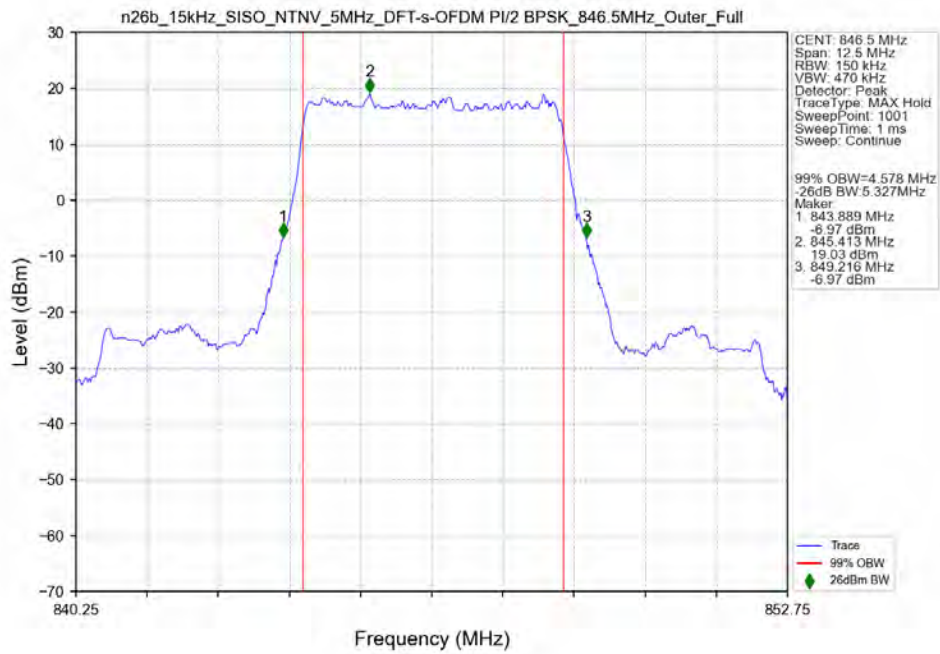
|                    |       |            |       |       |   |      |
|--------------------|-------|------------|-------|-------|---|------|
|                    | 836.5 | Outer_Full | 18.02 | 19.59 | / | Pass |
|                    | 839   | Outer_Full | 18.00 | 19.55 | / | Pass |
|                    | 834   | Outer_Full | 18.08 | 19.61 | / | Pass |
| DFT-s-OFDM 16 QAM  | 836.5 | Outer_Full | 18.07 | 19.53 | / | Pass |
|                    | 839   | Outer_Full | 18.06 | 19.60 | / | Pass |
| DFT-s-OFDM 64 QAM  | 834   | Outer_Full | 18.14 | 19.57 | / | Pass |
|                    | 836.5 | Outer_Full | 18.10 | 19.55 | / | Pass |
|                    | 839   | Outer_Full | 18.08 | 19.55 | / | Pass |
| DFT-s-OFDM 256 QAM | 834   | Outer_Full | 18.04 | 19.55 | / | Pass |
|                    | 836.5 | Outer_Full | 18.04 | 19.62 | / | Pass |
|                    | 839   | Outer_Full | 17.98 | 19.55 | / | Pass |
| CP-OFDM QPSK       | 834   | Outer_Full | 19.09 | 20.64 | / | Pass |
|                    | 836.5 | Outer_Full | 19.04 | 20.62 | / | Pass |
|                    | 839   | Outer_Full | 19.01 | 20.61 | / | Pass |
| CP-OFDM 16 QAM     | 834   | Outer_Full | 19.18 | 20.57 | / | Pass |
|                    | 836.5 | Outer_Full | 19.15 | 20.57 | / | Pass |
|                    | 839   | Outer_Full | 19.13 | 20.52 | / | Pass |
| CP-OFDM 64 QAM     | 834   | Outer_Full | 19.12 | 20.61 | / | Pass |
|                    | 836.5 | Outer_Full | 19.11 | 20.52 | / | Pass |
|                    | 839   | Outer_Full | 19.07 | 20.50 | / | Pass |
| CP-OFDM 256 QAM    | 834   | Outer_Full | 19.09 | 20.53 | / | Pass |
|                    | 836.5 | Outer_Full | 19.05 | 20.58 | / | Pass |
|                    | 839   | Outer_Full | 19.07 | 20.65 | / | Pass |

### 3.2 Test Graph

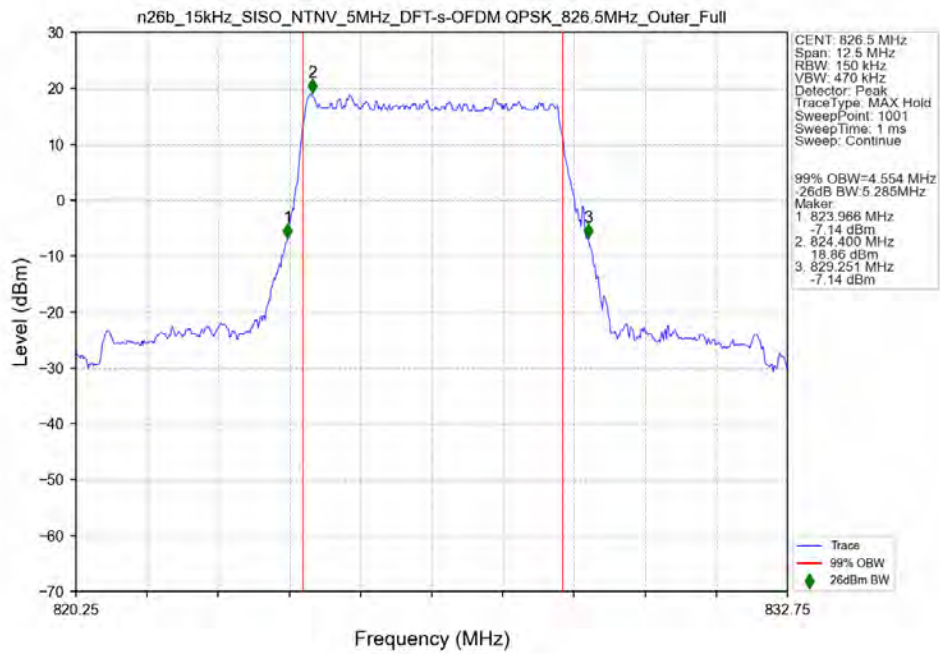
#### 3.2.1 15k\_SISO\_5MHz\_NTNV



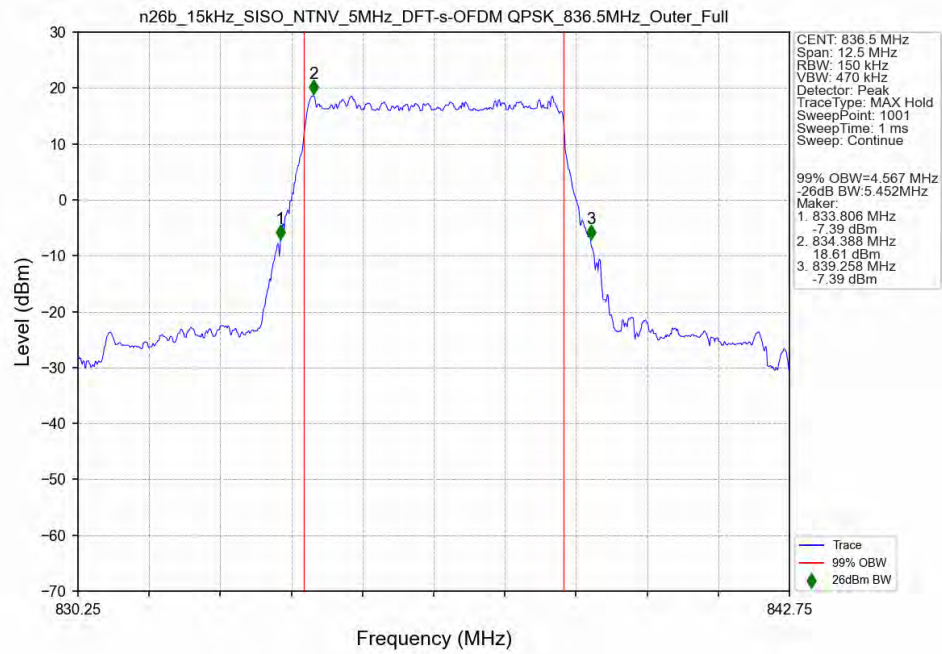
n26b 15kHz SISO NTN 5MHz DFT-s-OFDM PI/2 BPSK 846.5MHz Outer Full Ant31



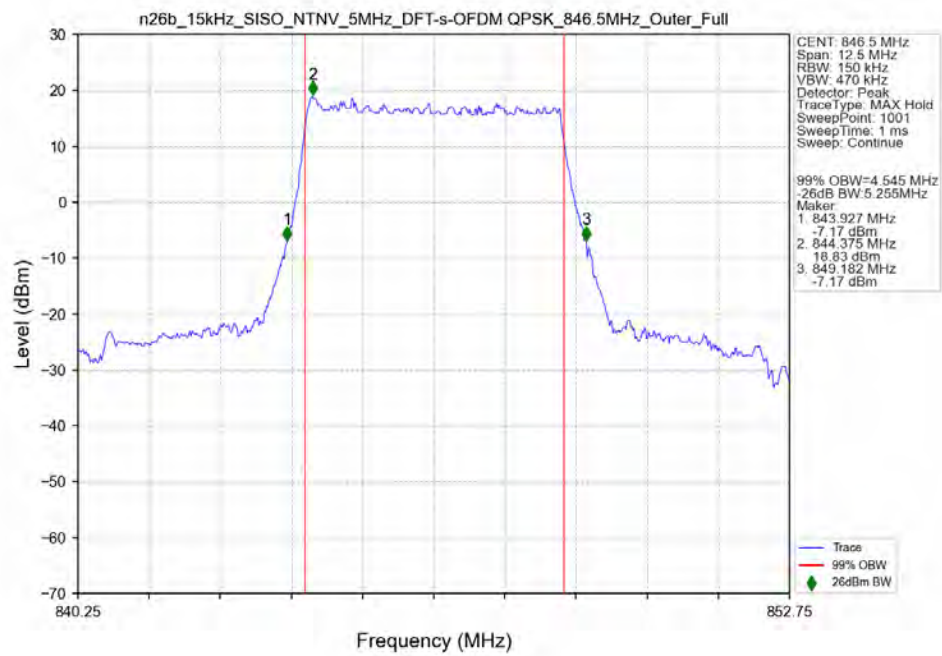
n26b 15kHz SISO NTN 5MHz DFT-s-OFDM QPSK 826.5MHz Outer Full Ant31



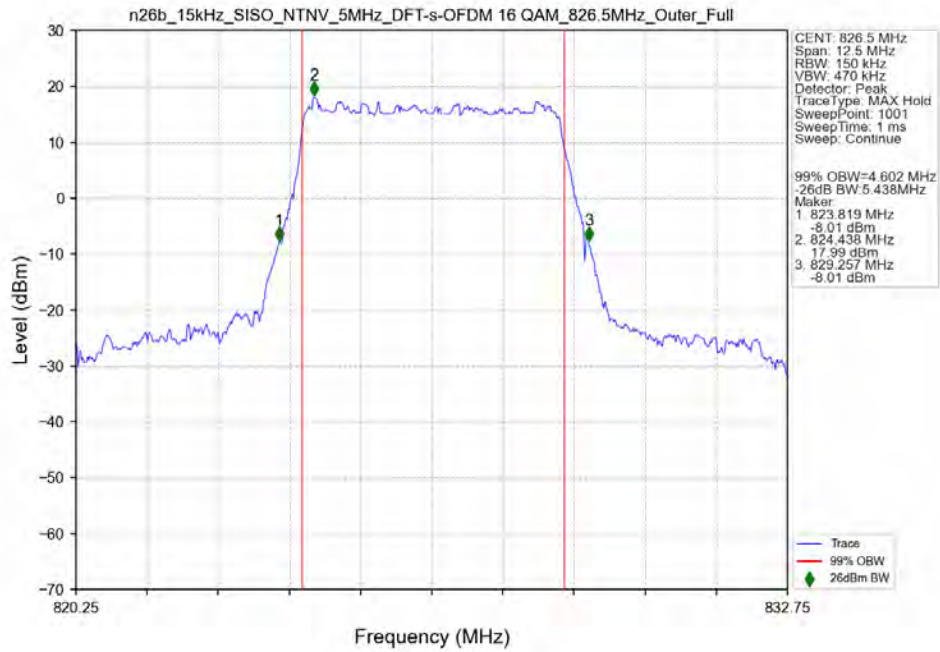
n26b\_15kHz\_SISO\_NTNV\_5MHz\_DFT-s-OFDM\_QPSK\_836.5MHz\_Outer\_Full\_Ant31



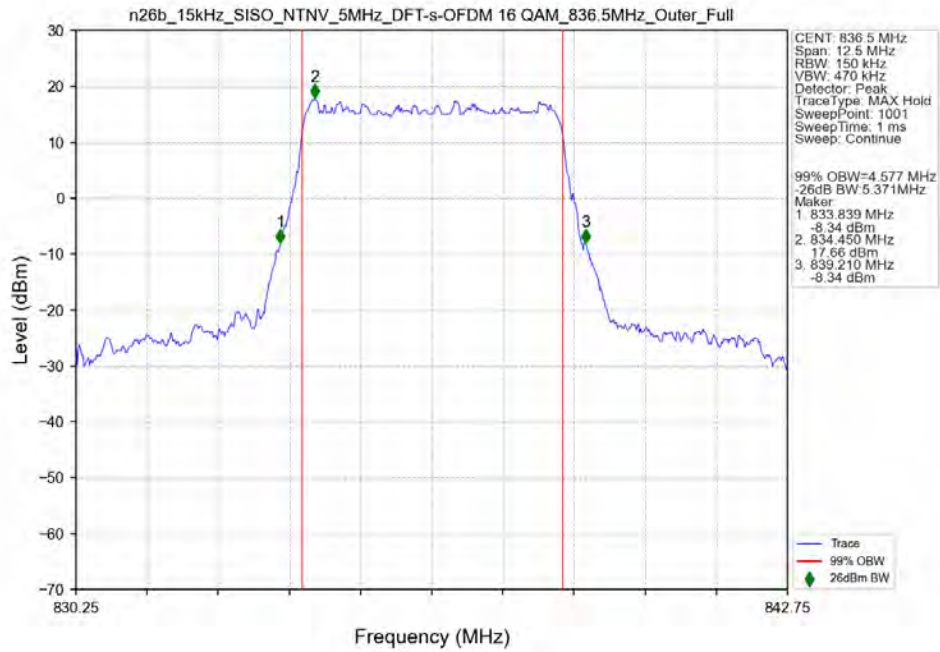
n26b\_15kHz\_SISO\_NTNV\_5MHz\_DFT-s-OFDM\_QPSK\_846.5MHz\_Outer\_Full\_Ant31



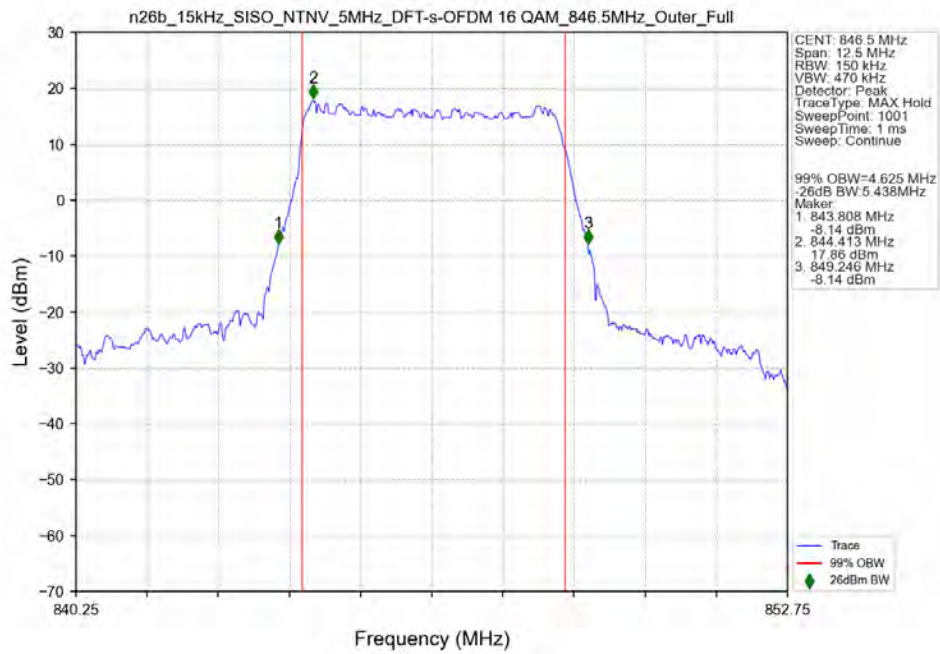
n26b 15kHz SISO NTN 5MHz DFT-s-OFDM 16 QAM 826.5MHz Outer Full Ant31



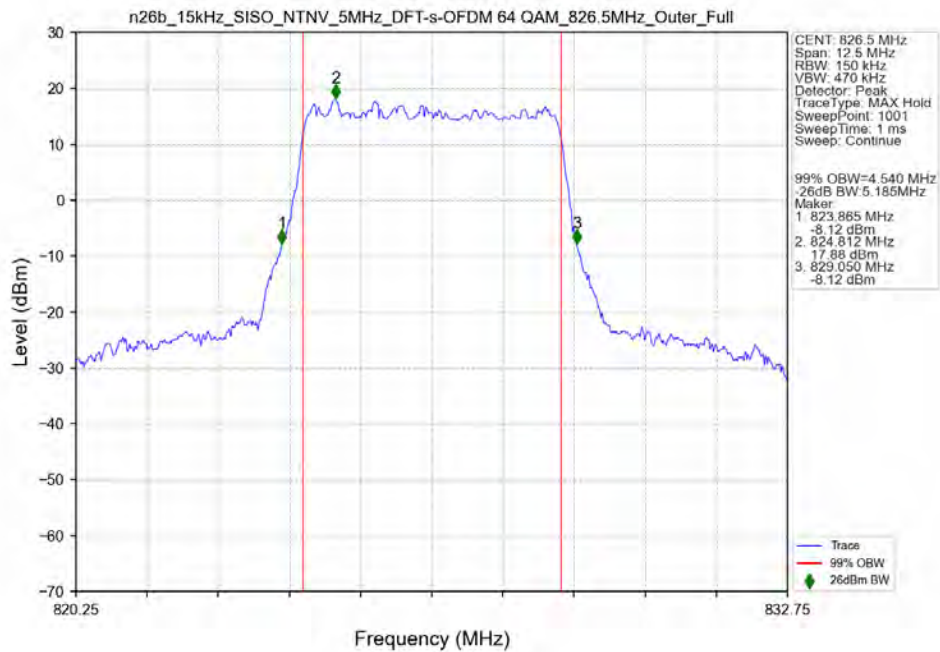
n26b 15kHz SISO NTN 5MHz DFT-s-OFDM 16 QAM 836.5MHz Outer Full Ant31



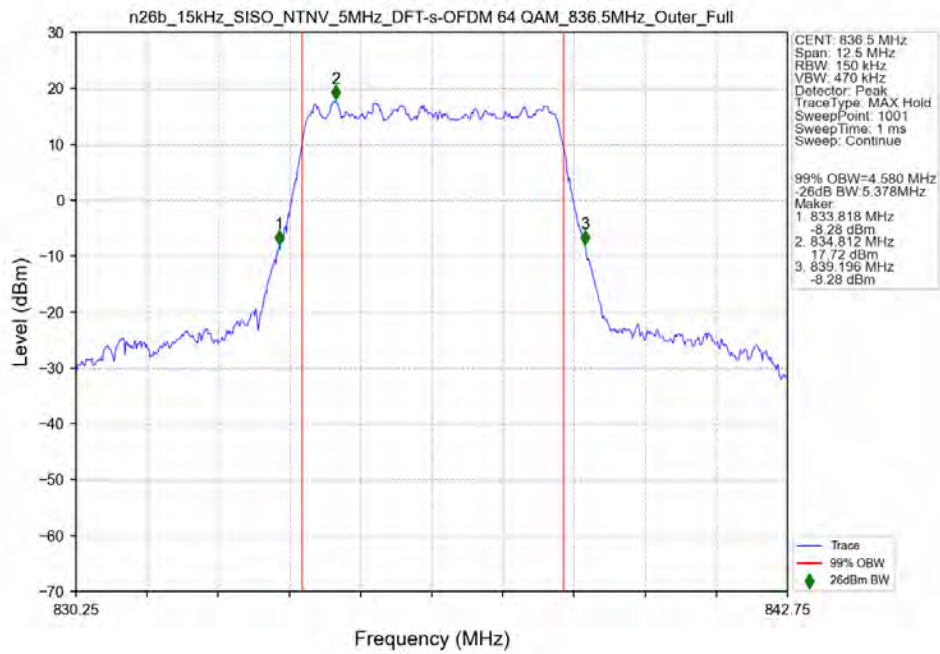
n26b 15kHz SISO NTN 5MHz DFT-s-OFDM 16 QAM 846.5MHz Outer Full Ant31



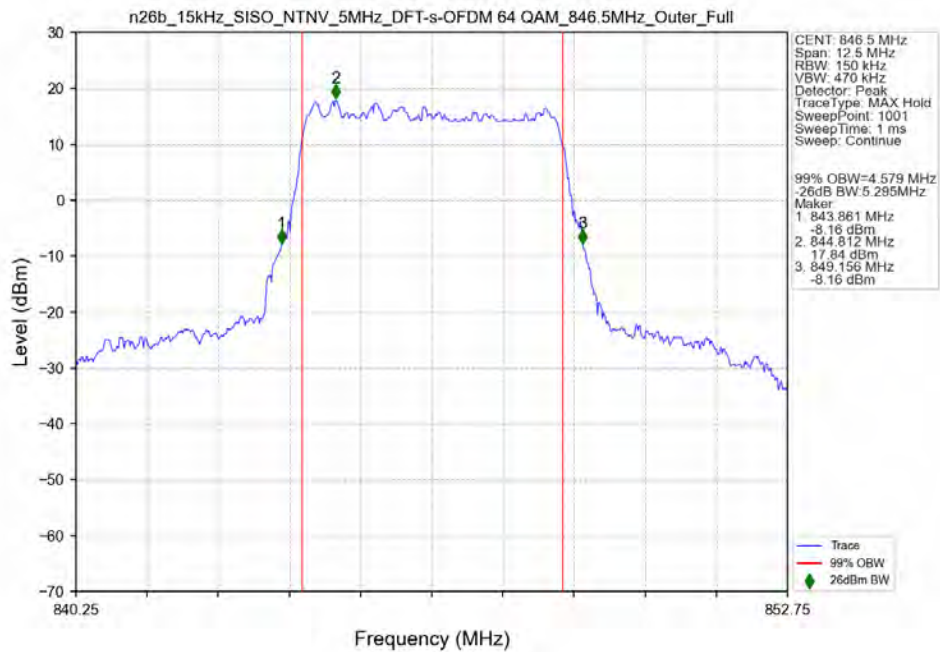
n26b 15kHz SISO NTN 5MHz DFT-s-OFDM 64 QAM 826.5MHz Outer Full Ant31



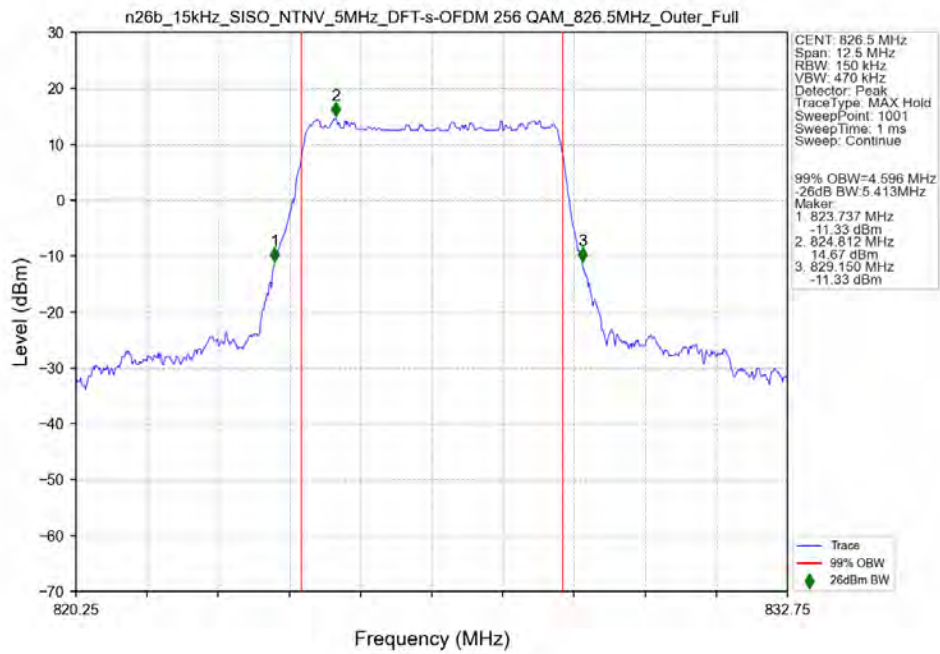
n26b 15kHz SISO NTN 5MHz DFT-s-OFDM 64 QAM 836.5MHz Outer Full Ant31



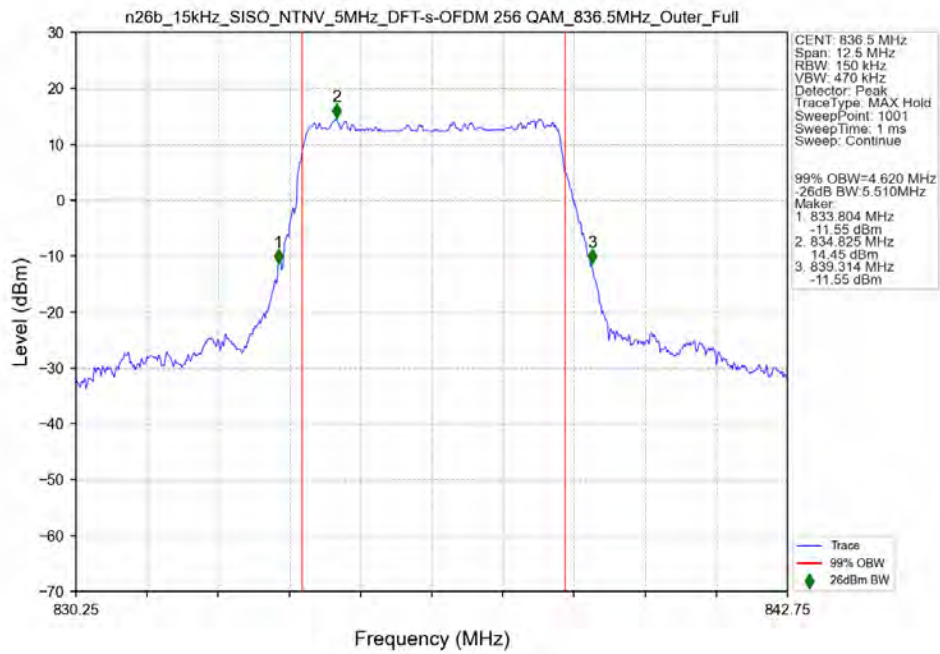
n26b 15kHz SISO NTN 5MHz DFT-s-OFDM 64 QAM 846.5MHz Outer Full Ant31



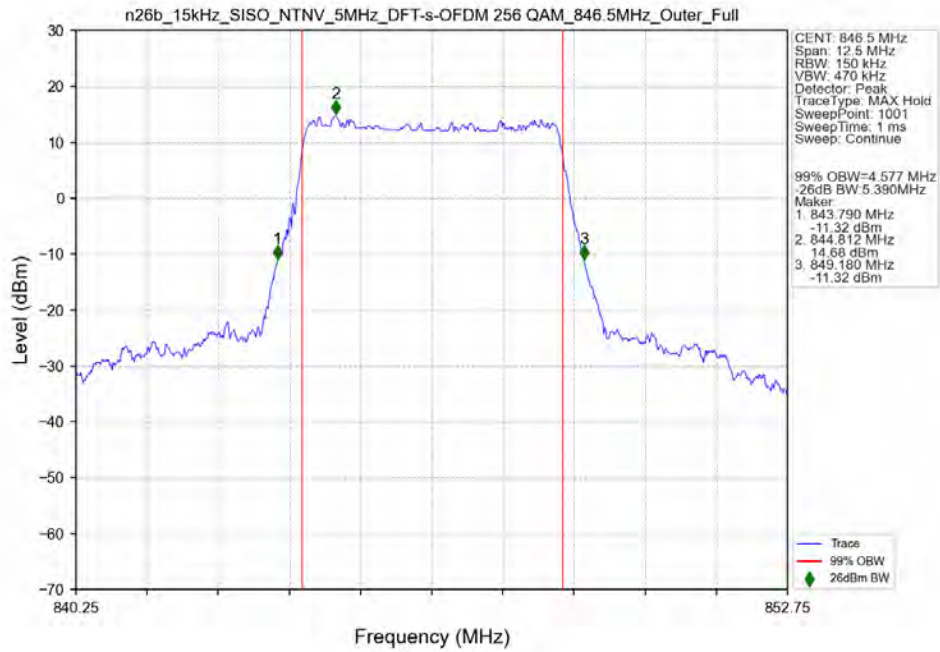
n26b\_15kHz\_SISO\_NTNV\_5MHz\_DFT-s-OFDM\_256\_QAM\_826.5MHz\_Outer\_Full\_Ant31



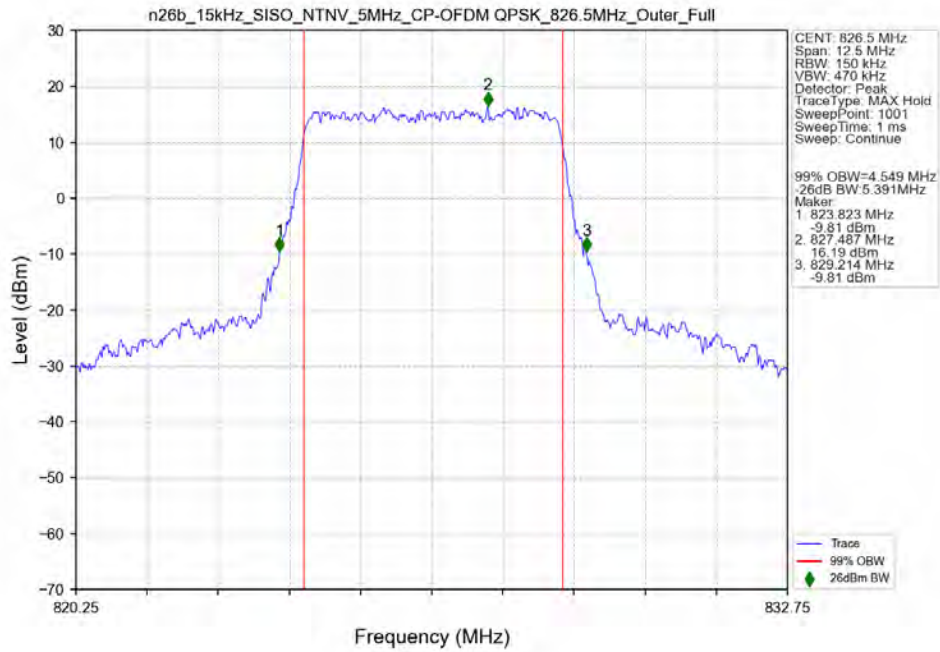
n26b\_15kHz\_SISO\_NTNV\_5MHz\_DFT-s-OFDM\_256\_QAM\_836.5MHz\_Outer\_Full\_Ant31



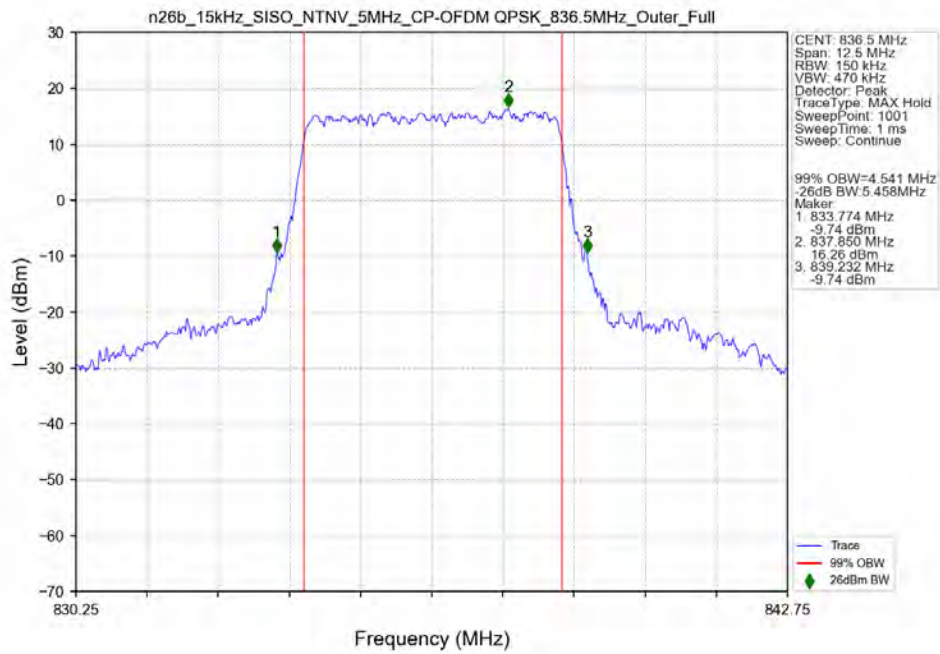
n26b\_15kHz\_SISO\_NTNV\_5MHz\_DFT-s-OFDM\_256\_QAM\_846.5MHz\_Outer\_Full\_Ant31



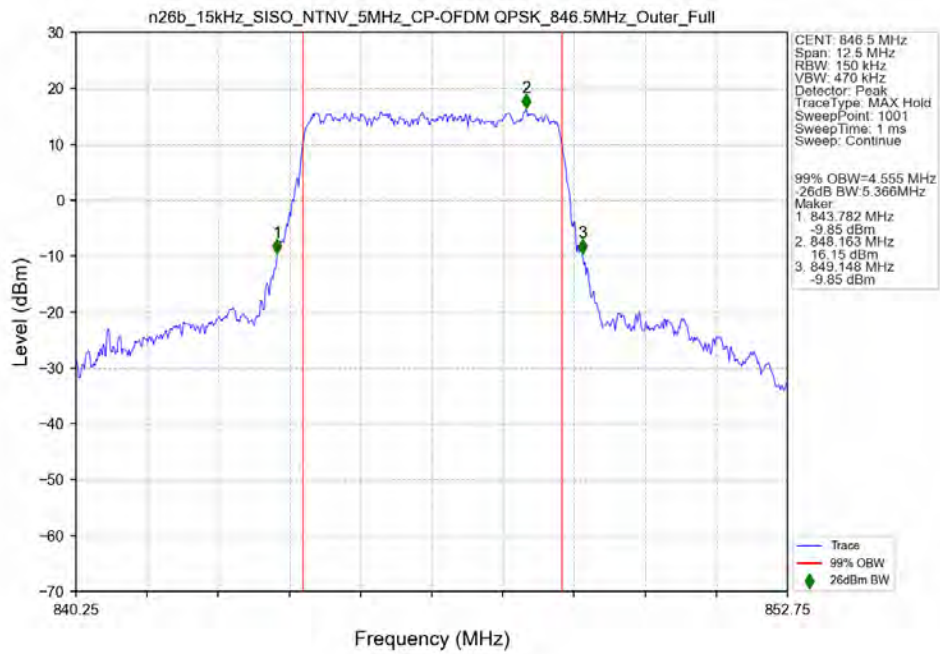
n26b\_15kHz\_SISO\_NTNV\_5MHz\_CP-OFDM\_QPSK\_826.5MHz\_Outer\_Full\_Ant31



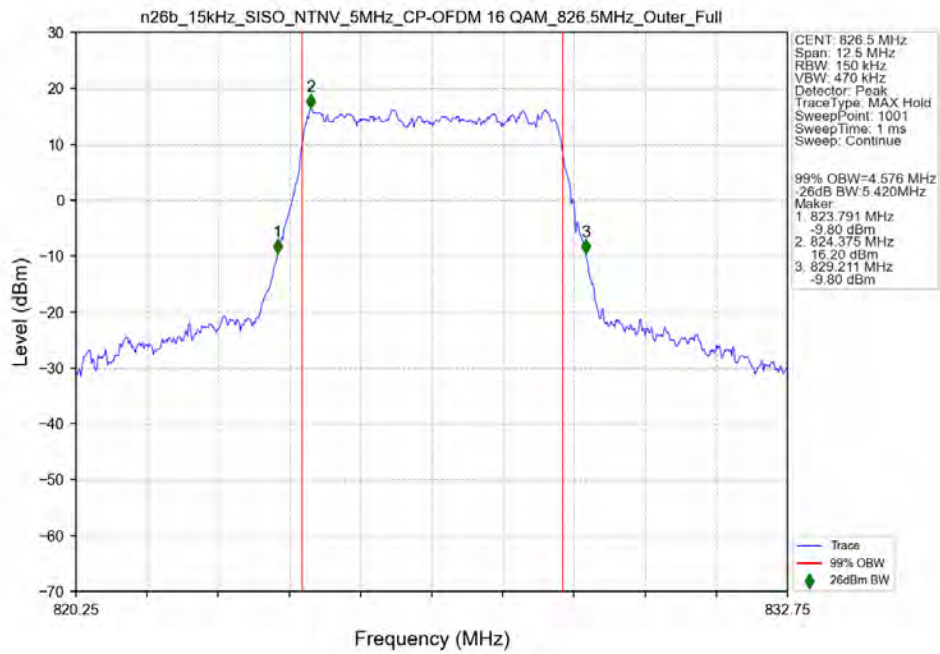
n26b\_15kHz\_SISO\_NTNV\_5MHz\_CP-OFDM\_QPSK\_836.5MHz\_Outer\_Full\_Ant31



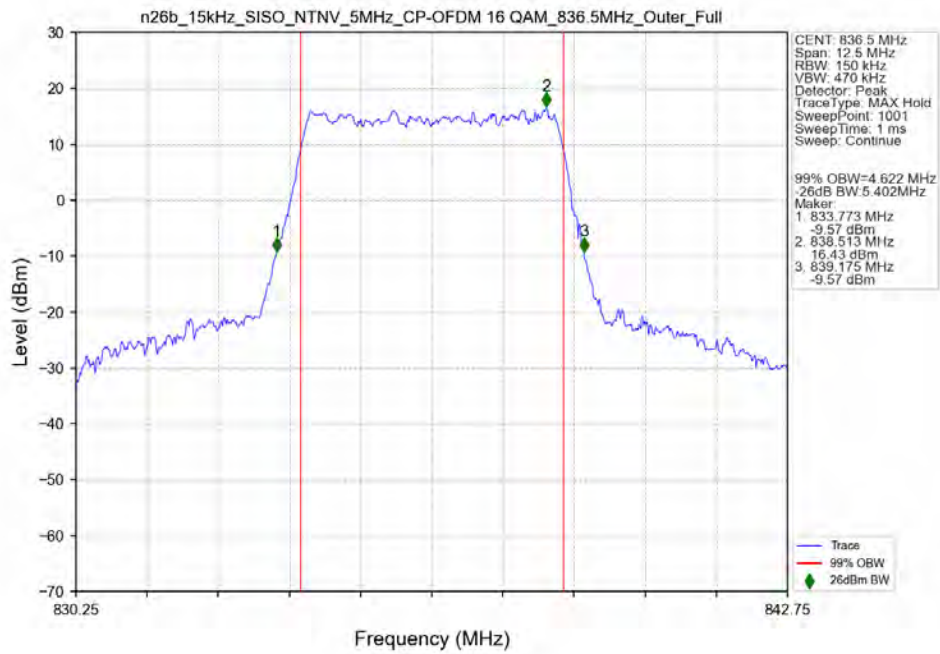
n26b\_15kHz\_SISO\_NTNV\_5MHz\_CP-OFDM\_QPSK\_846.5MHz\_Outer\_Full\_Ant31



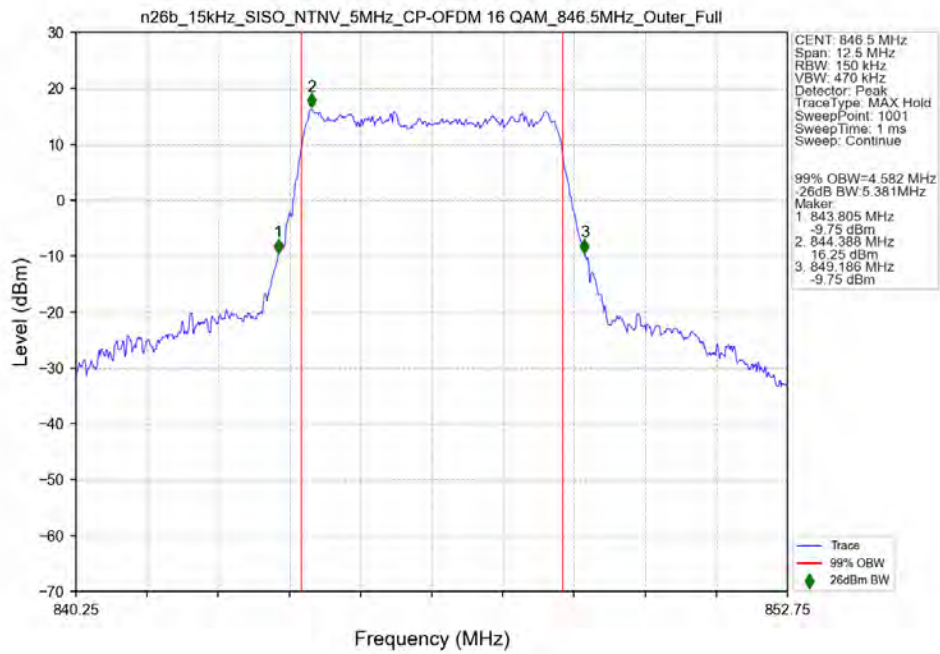
n26b\_15kHz\_SISO\_NTNV\_5MHz\_CP-OFDM\_16\_QAM\_826.5MHz\_Outer\_Full\_Ant31



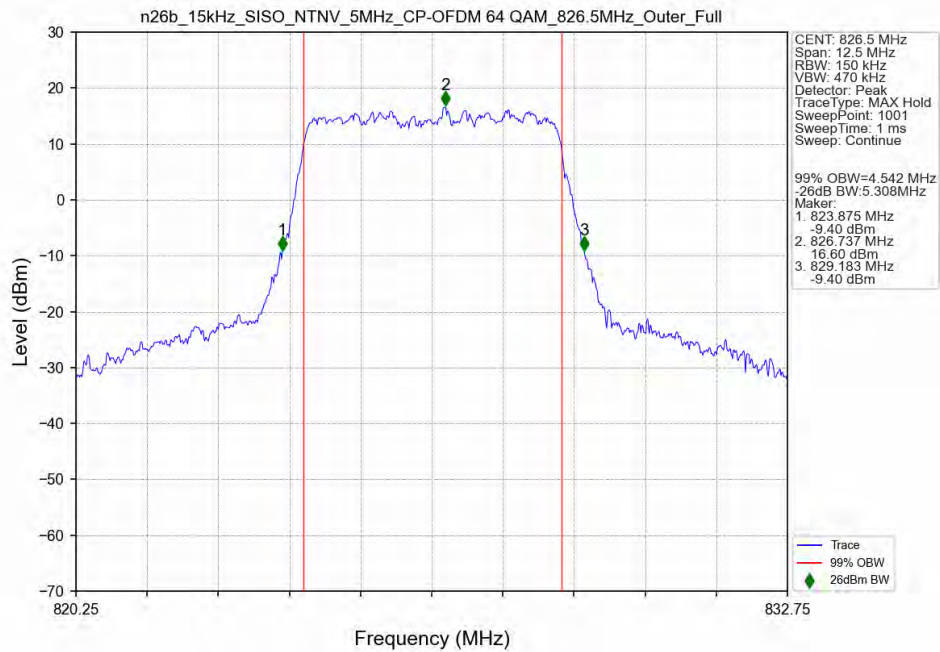
n26b\_15kHz\_SISO\_NTNV\_5MHz\_CP-OFDM\_16\_QAM\_836.5MHz\_Outer\_Full\_Ant31



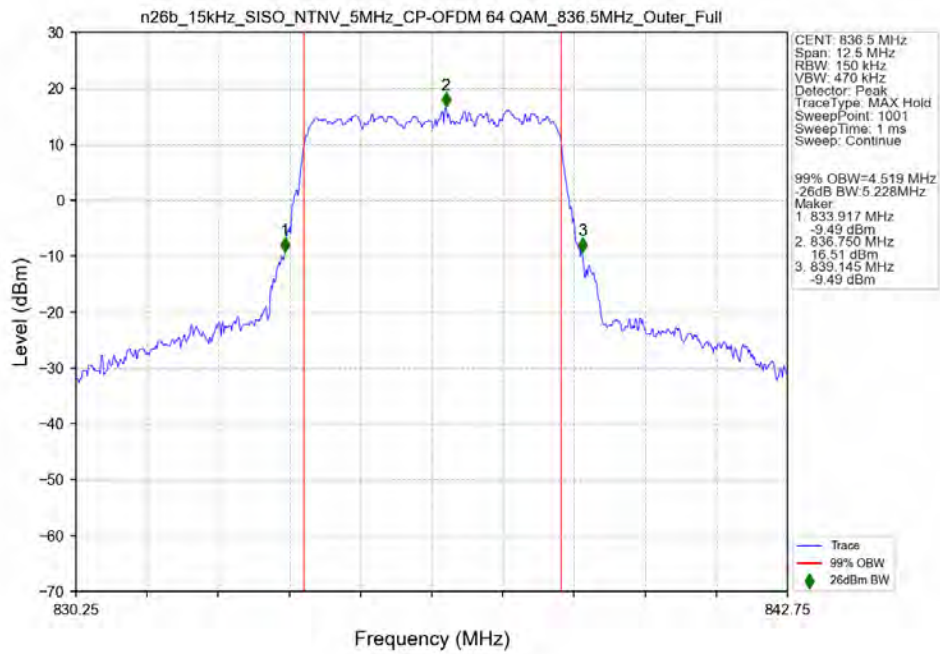
n26b 15kHz SISO NTN 5MHz CP-OFDM 16 QAM 846.5MHz Outer Full Ant31



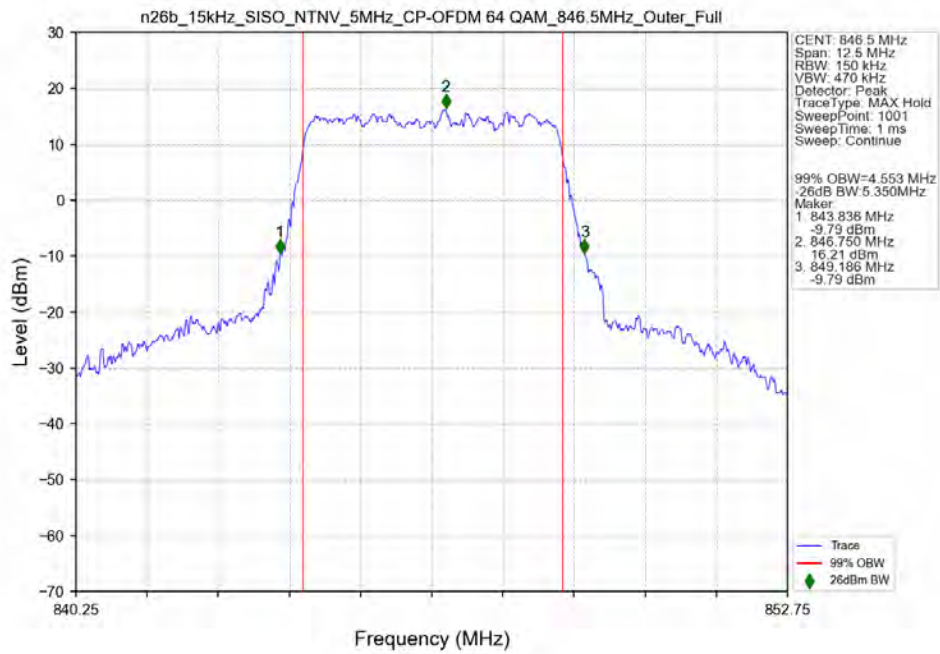
n26b 15kHz SISO NTN 5MHz CP-OFDM 64 QAM 826.5MHz Outer Full Ant31



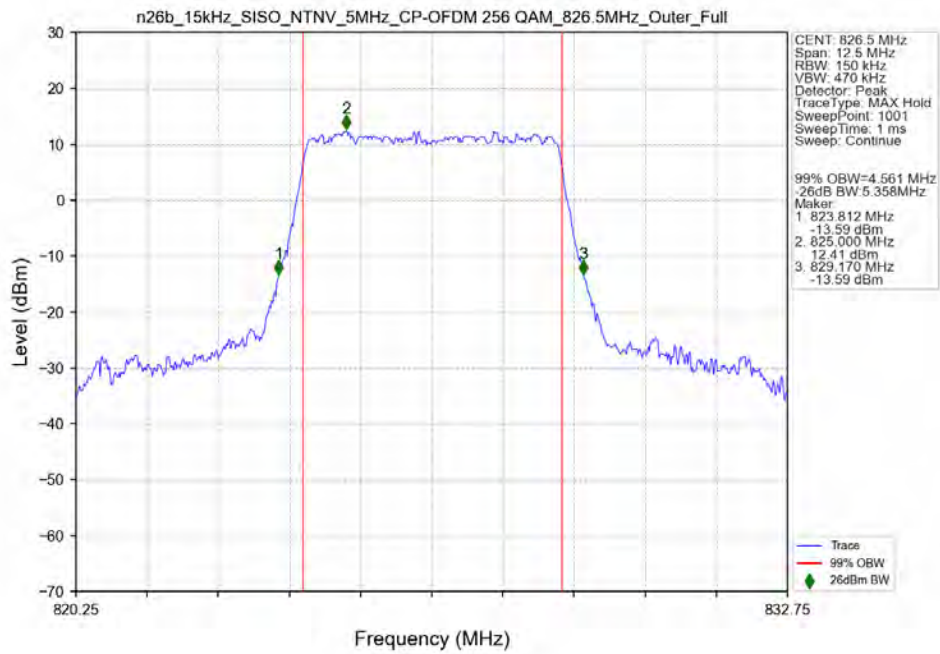
n26b\_15kHz\_SISO\_NTNV\_5MHz\_CP-OFDM 64 QAM 836.5MHz\_Outer\_Full\_Ant31



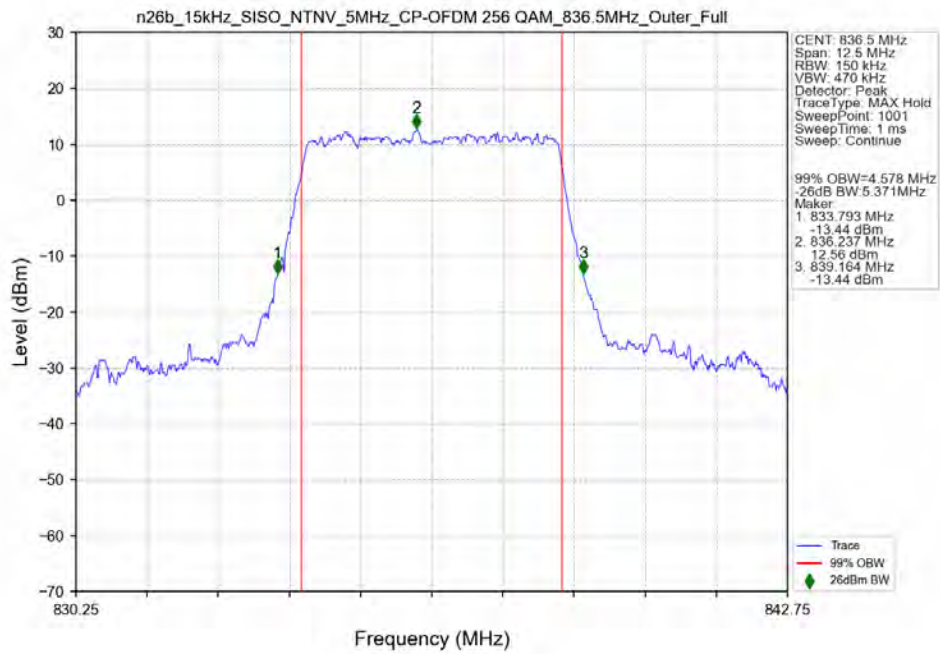
n26b\_15kHz\_SISO\_NTNV\_5MHz\_CP-OFDM 64 QAM 846.5MHz\_Outer\_Full\_Ant31



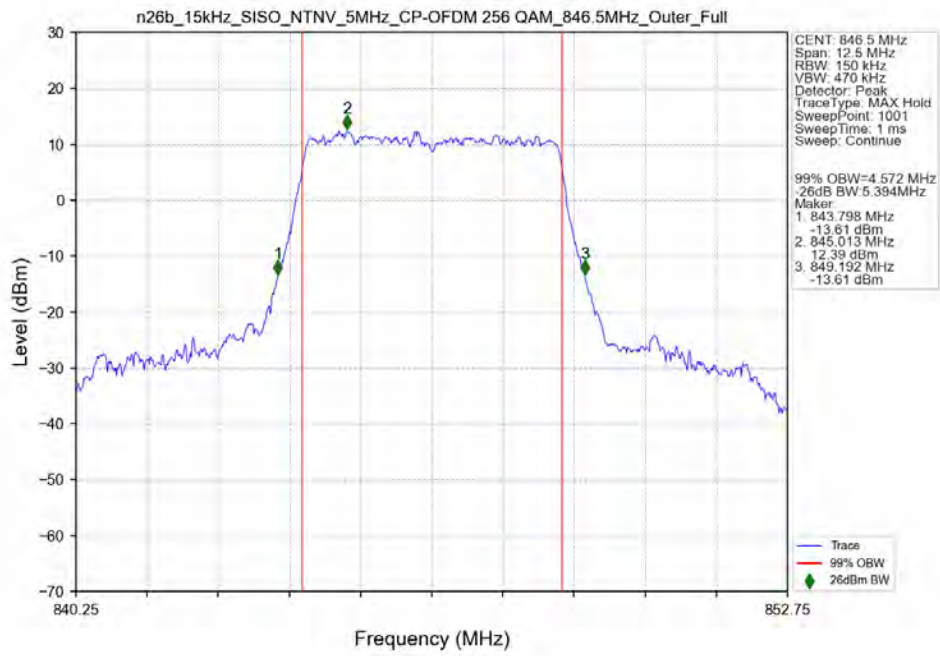
n26b\_15kHz\_SISO\_NTNV\_5MHz\_CP-OFDM\_256\_QAM\_826.5MHz\_Outer\_Full\_Ant31



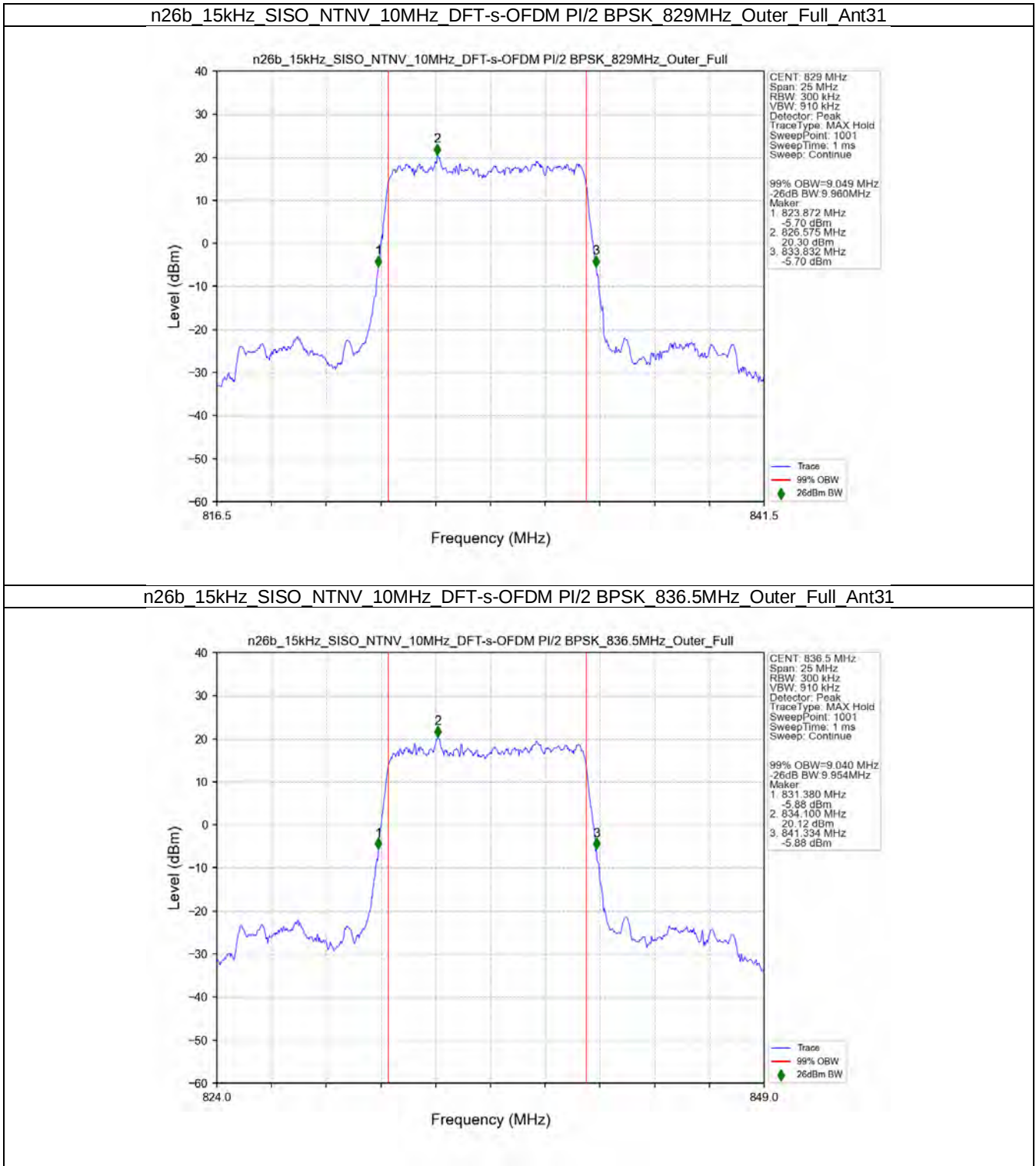
n26b\_15kHz\_SISO\_NTNV\_5MHz\_CP-OFDM\_256\_QAM\_836.5MHz\_Outer\_Full\_Ant31



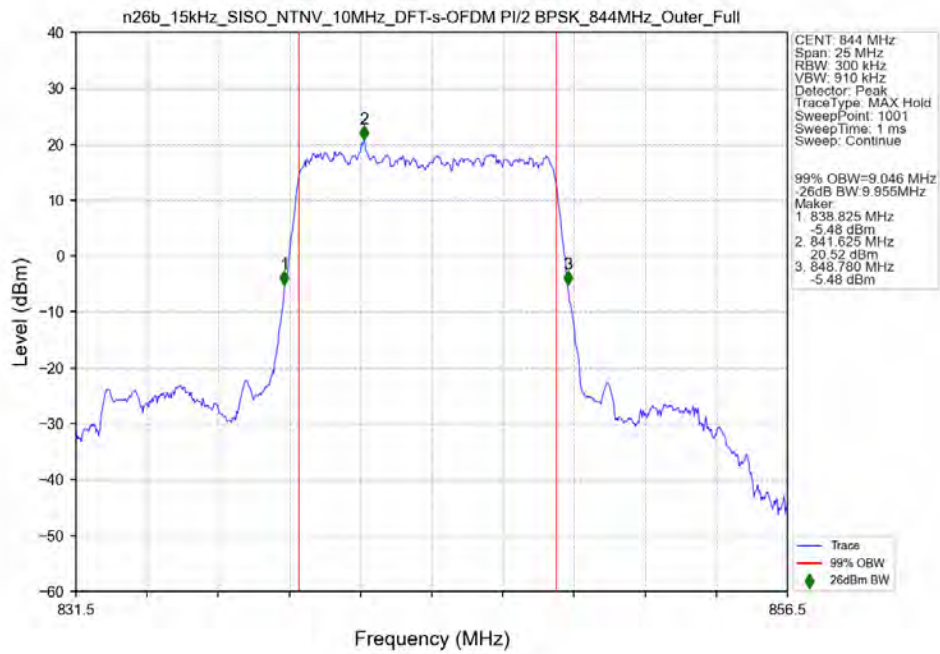
n26b\_15kHz\_SISO\_NTNV\_5MHz\_CP-OFDM\_256\_QAM\_846.5MHz\_Outer\_Full\_Ant31



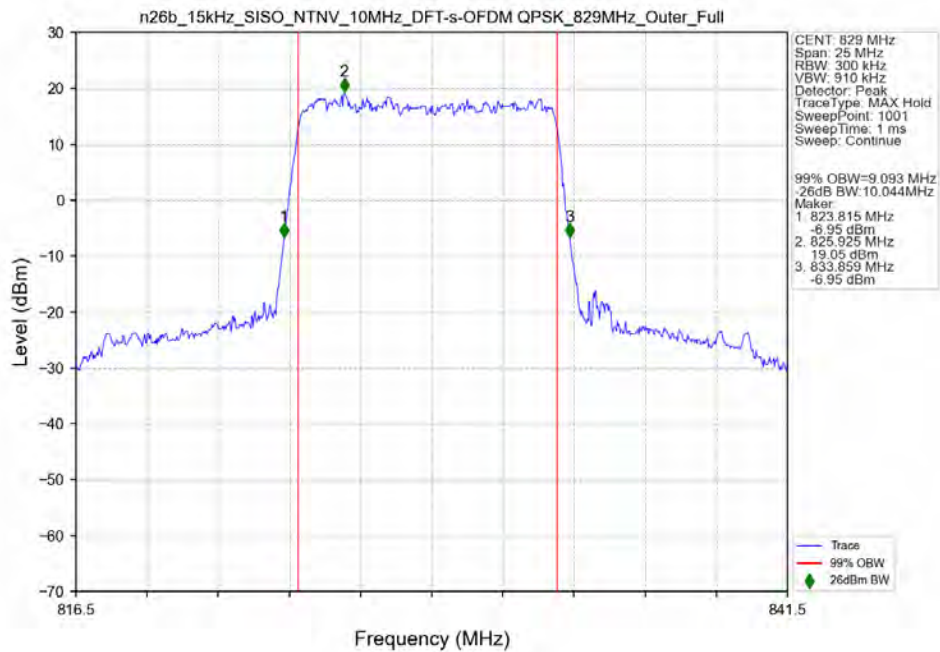
3.2.2 15k\_SISO\_10MHz\_NTNV



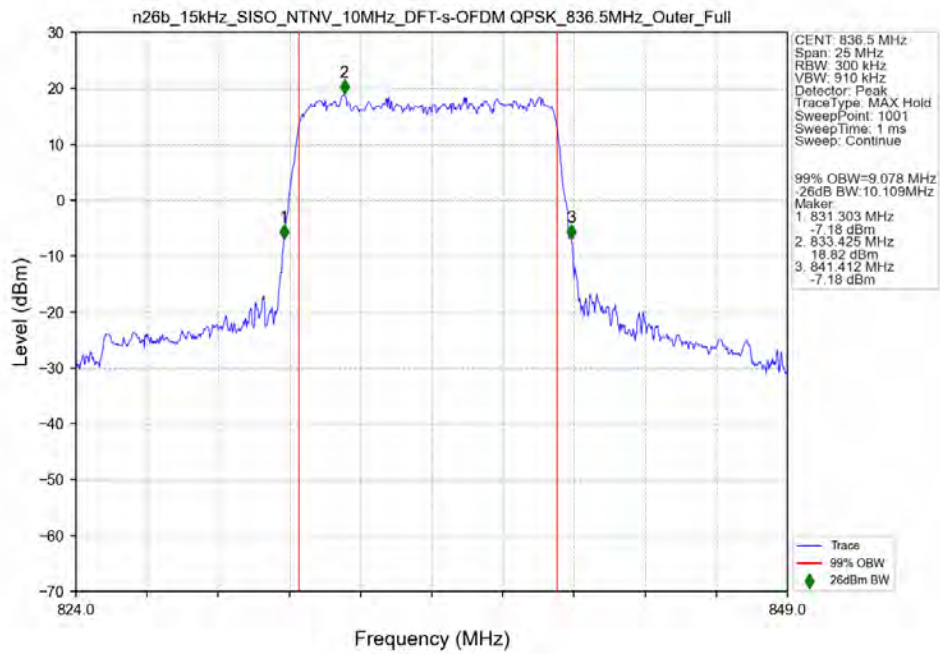
n26b\_15kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM PI/2 BPSK\_844MHz\_Outer\_Full\_Ant31



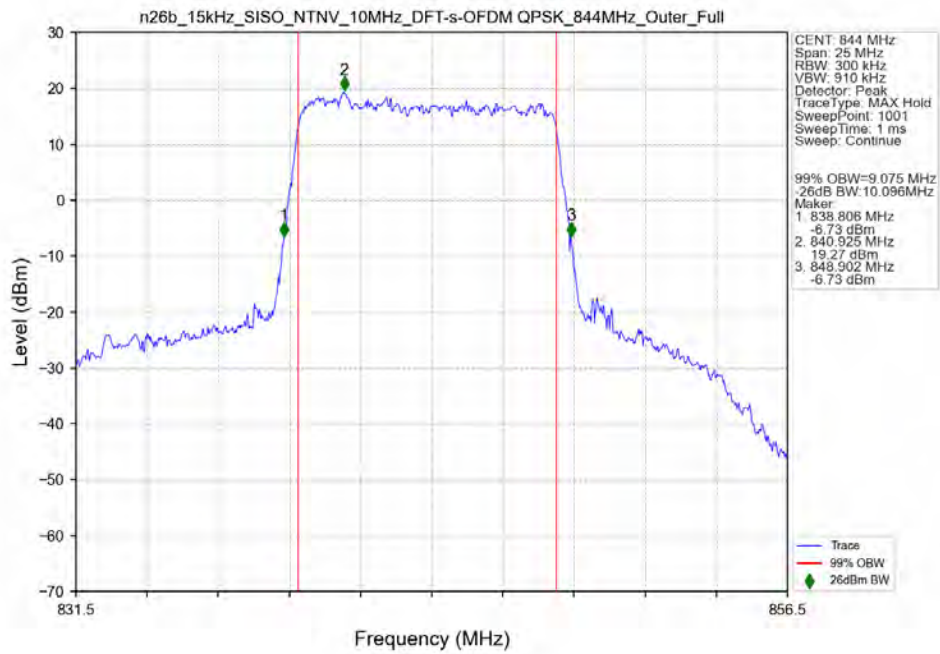
n26b\_15kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM QPSK\_829MHz\_Outer\_Full\_Ant31



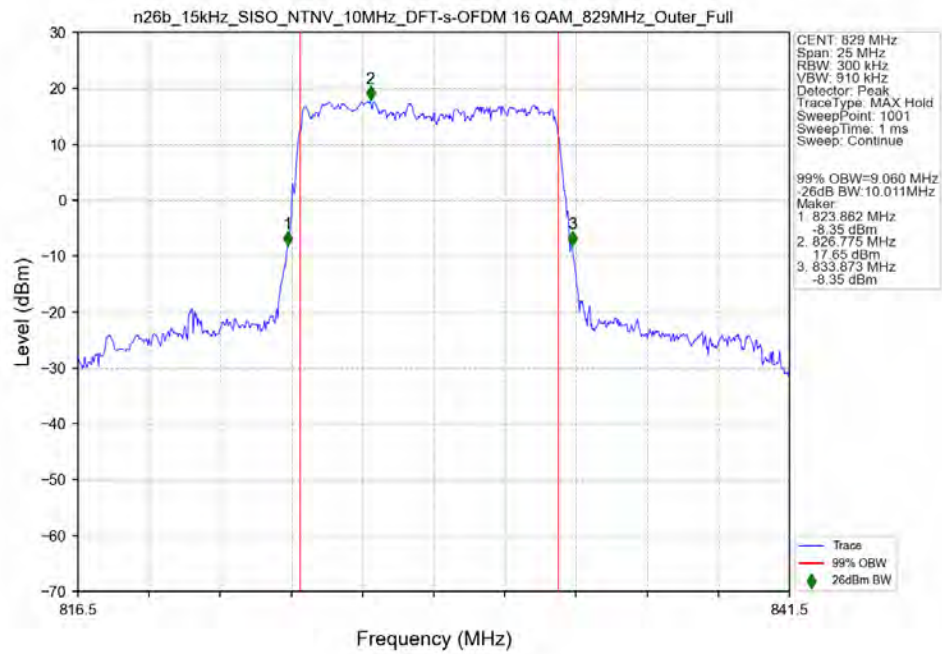
n26b\_15kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM\_QPSK\_836.5MHz\_Outer\_Full\_Ant31



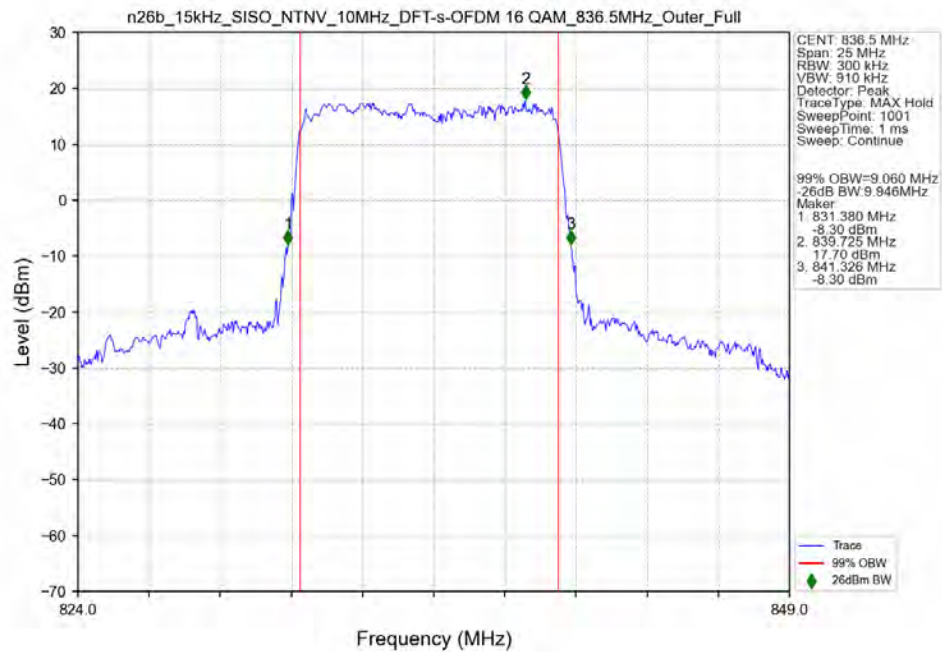
n26b\_15kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM\_QPSK\_844MHz\_Outer\_Full\_Ant31



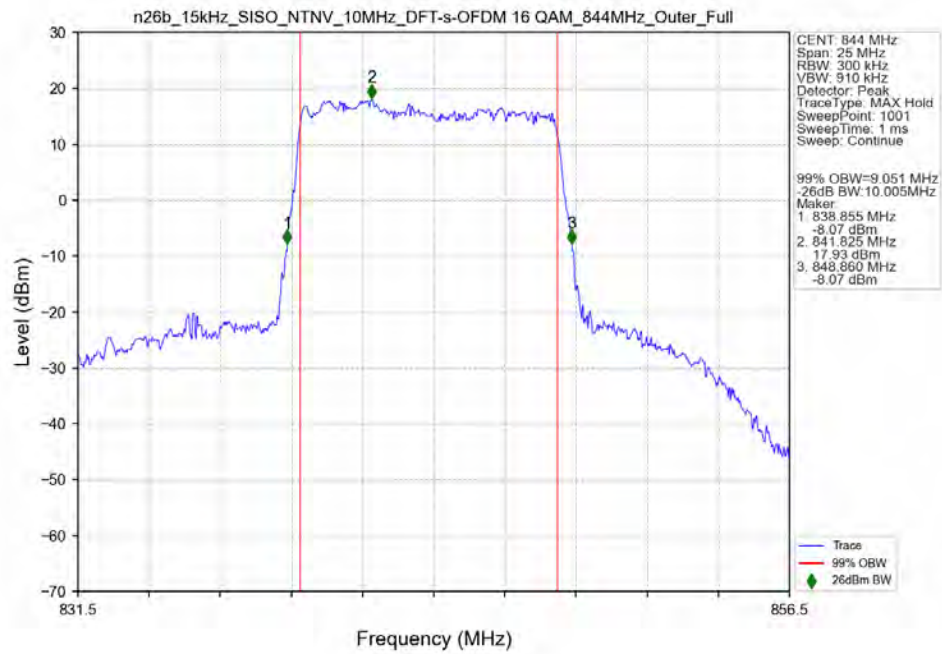
n26b\_15kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM\_16\_QAM\_829MHz\_Outer\_Full\_Ant31



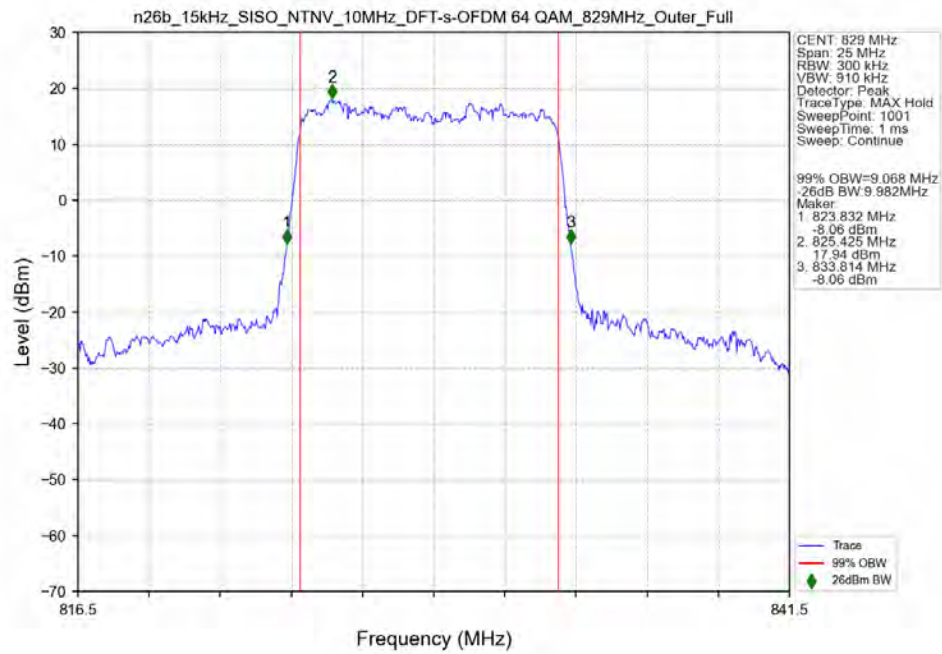
n26b\_15kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM\_16\_QAM\_836.5MHz\_Outer\_Full\_Ant31



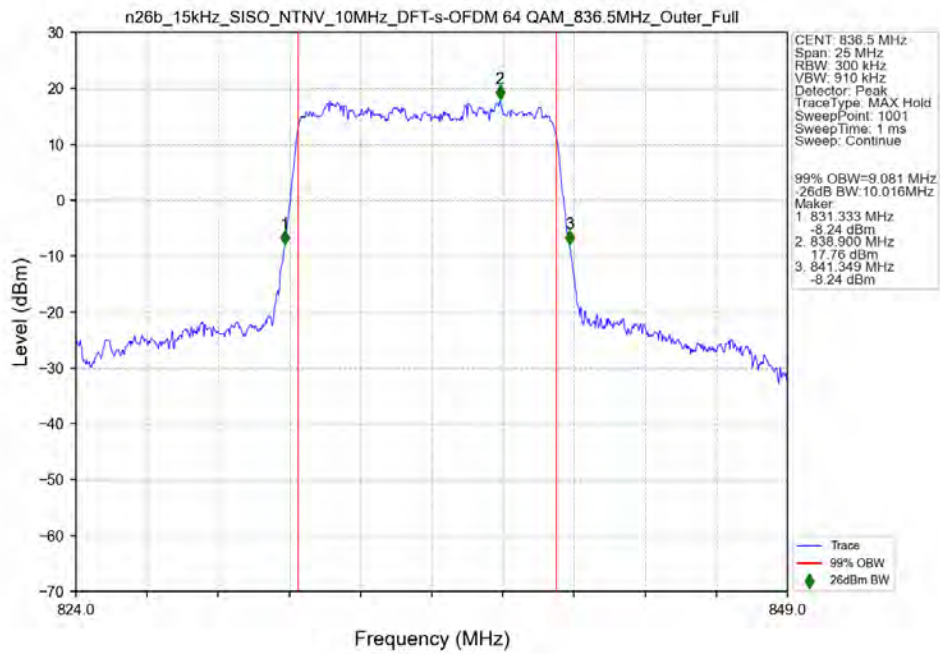
n26b\_15kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM\_16\_QAM\_844MHz\_Outer\_Full\_Ant31



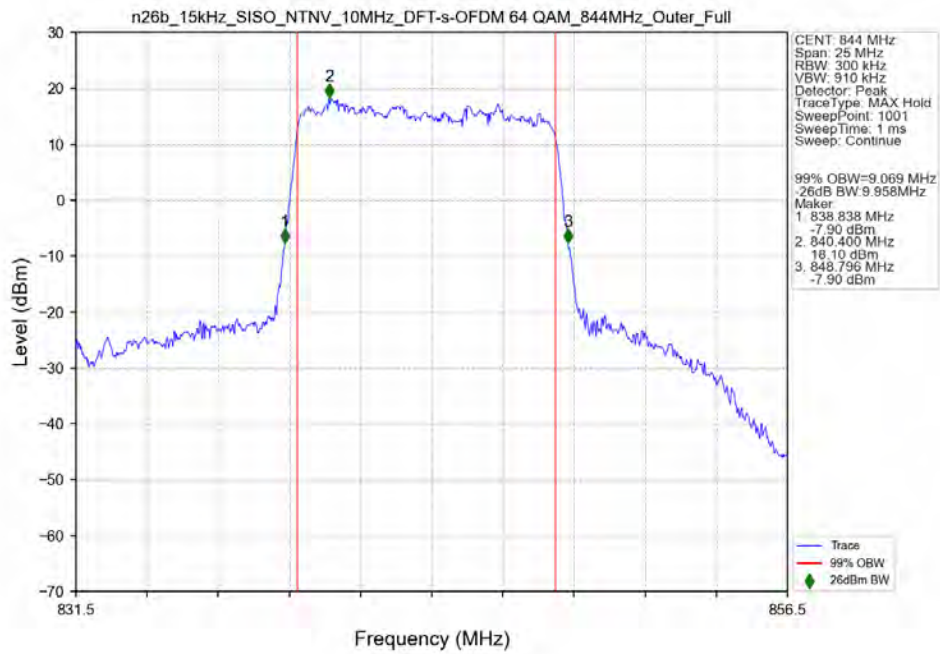
n26b\_15kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM\_64\_QAM\_829MHz\_Outer\_Full\_Ant31



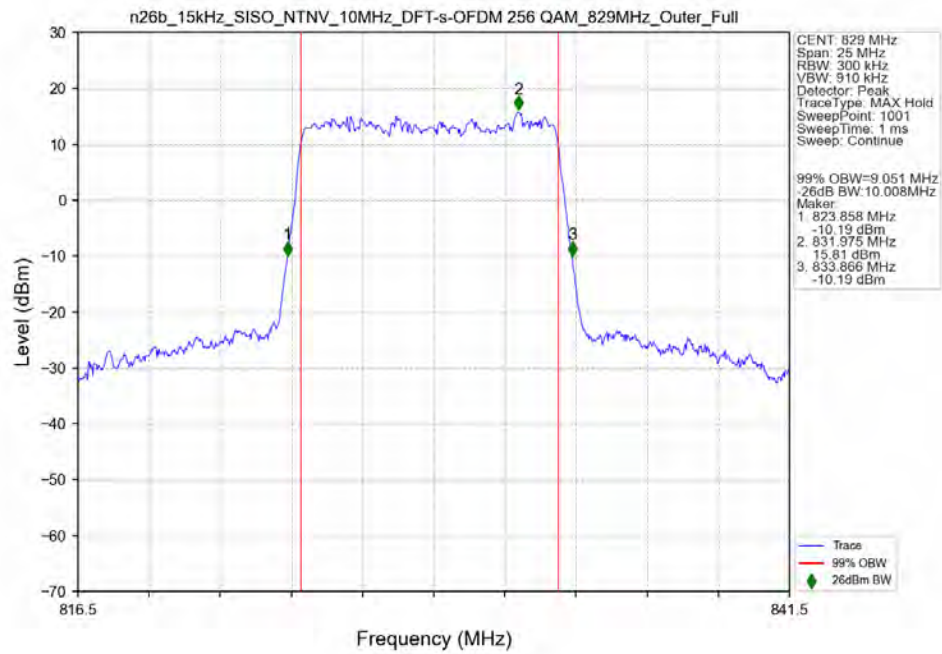
n26b\_15kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM\_64\_QAM\_836.5MHz\_Outer\_Full\_Ant31



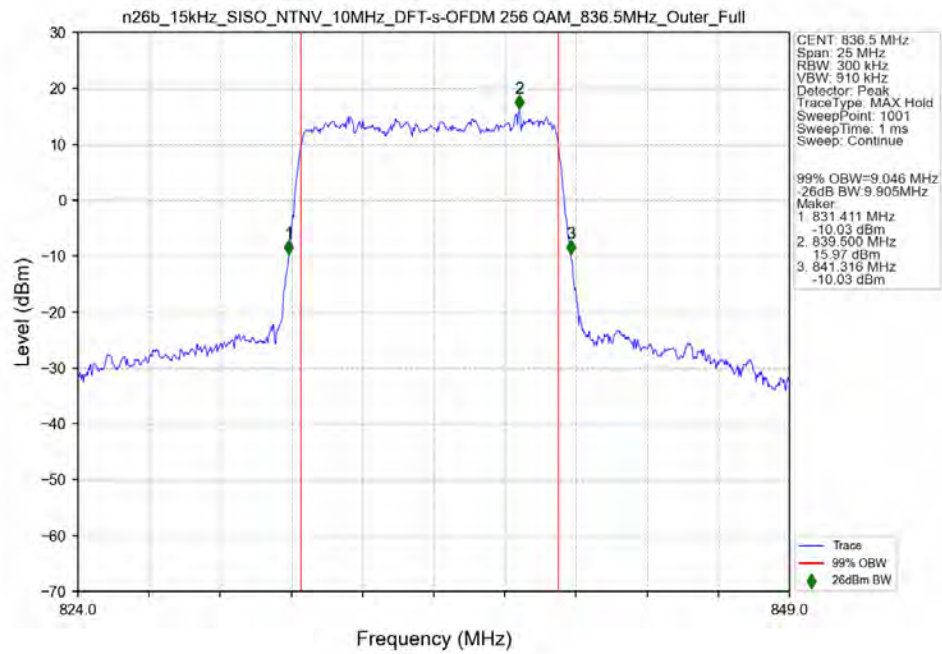
n26b\_15kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM\_64\_QAM\_844MHz\_Outer\_Full\_Ant31



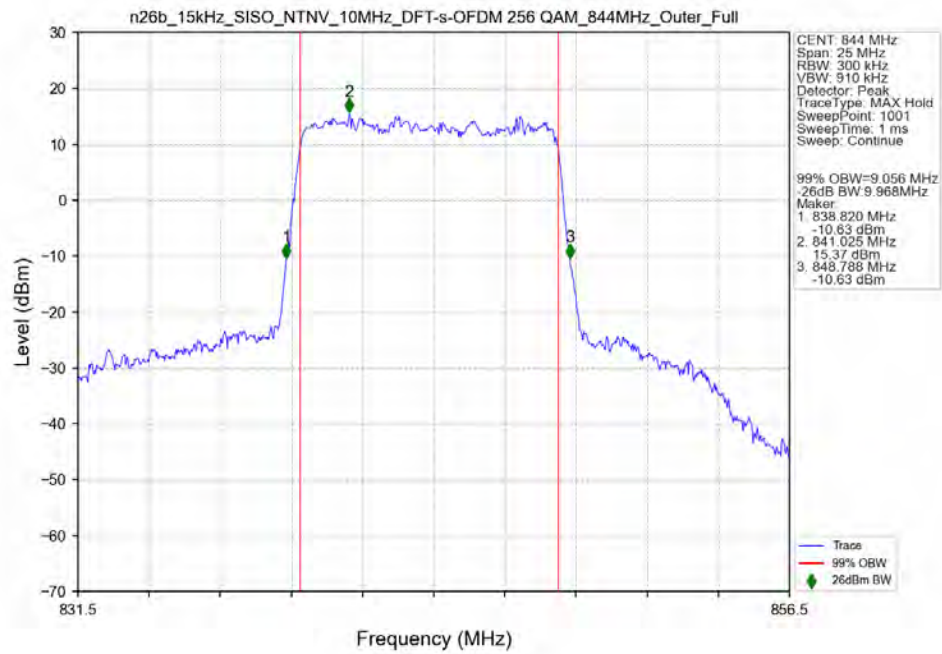
n26b\_15kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM\_256\_QAM\_829MHz\_Outer\_Full\_Ant31



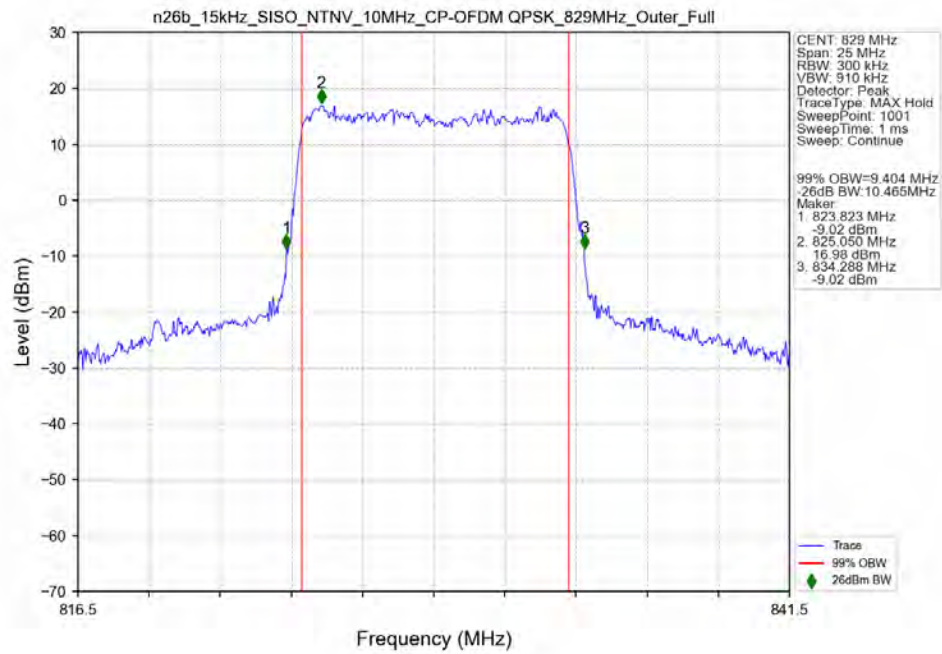
n26b\_15kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM\_256\_QAM\_836.5MHz\_Outer\_Full\_Ant31



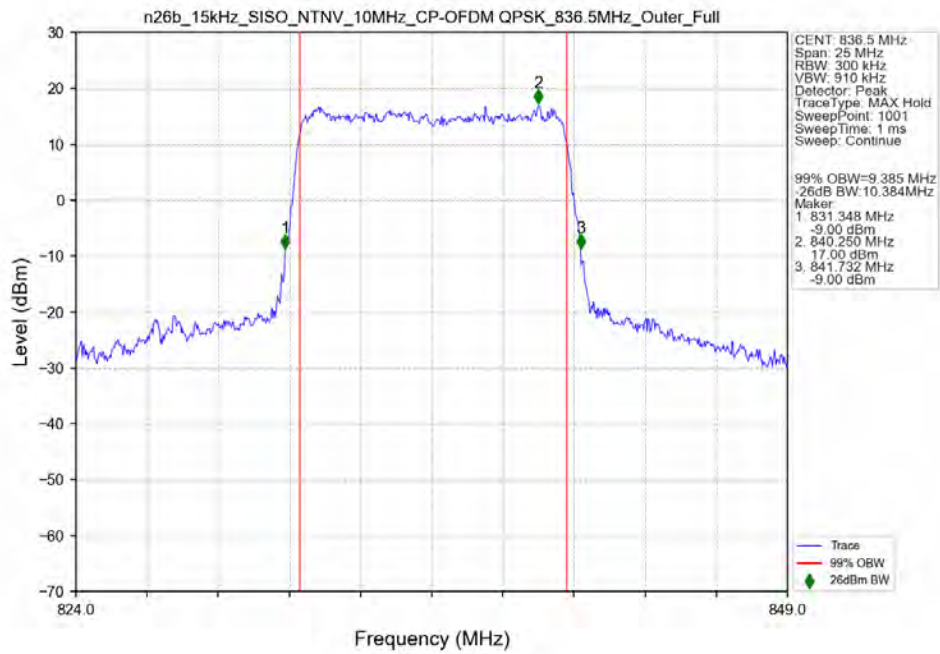
n26b\_15kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM\_256\_QAM\_844MHz\_Outer\_Full\_Ant31



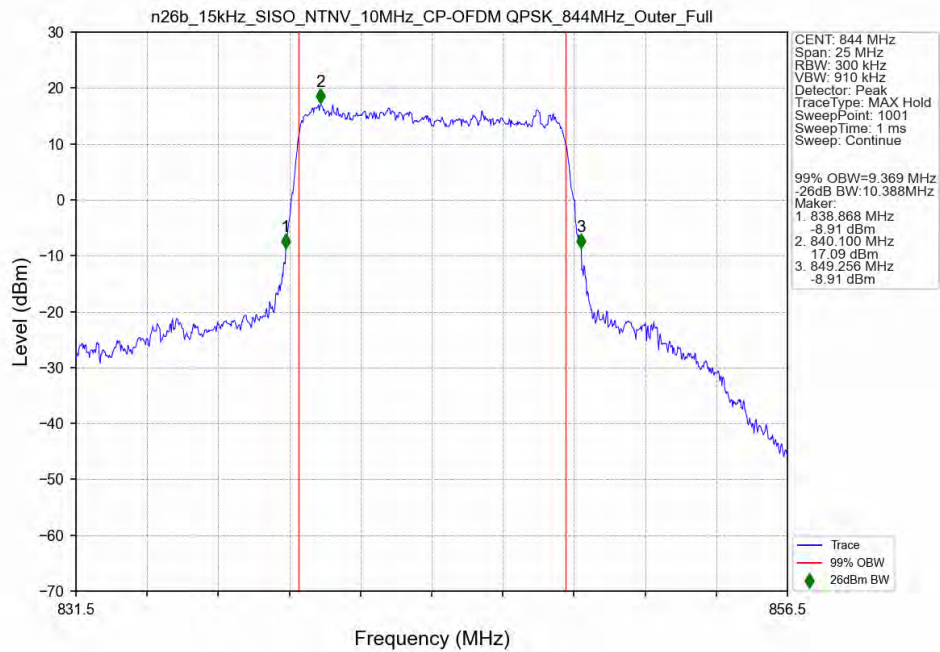
n26b\_15kHz\_SISO\_NTNV\_10MHz\_CP-OFDM\_QPSK\_829MHz\_Outer\_Full\_Ant31



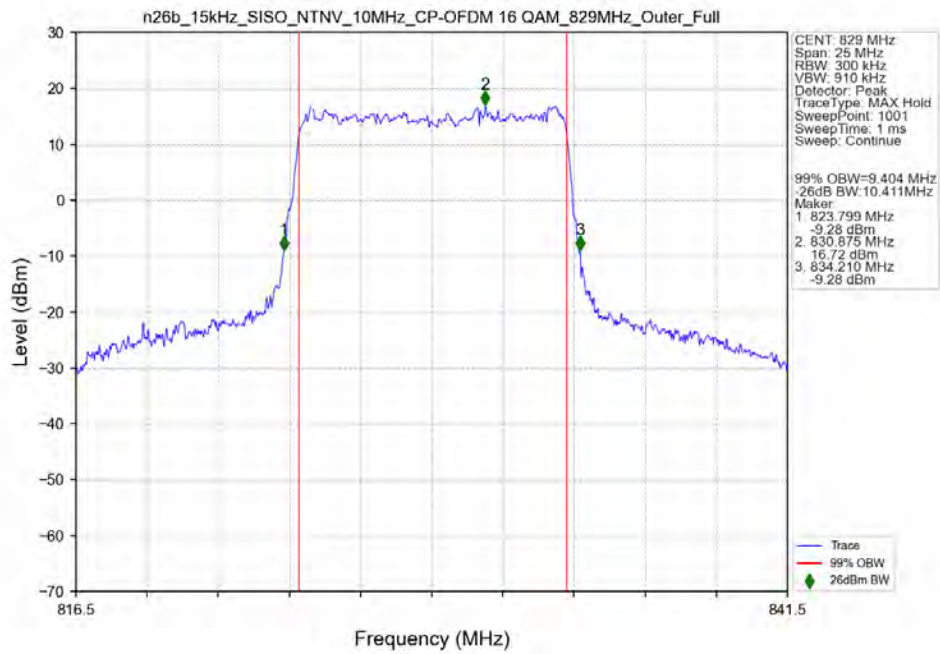
n26b 15kHz SISO NTNv 10MHz CP-OFDM QPSK 836.5MHz Outer Full Ant31



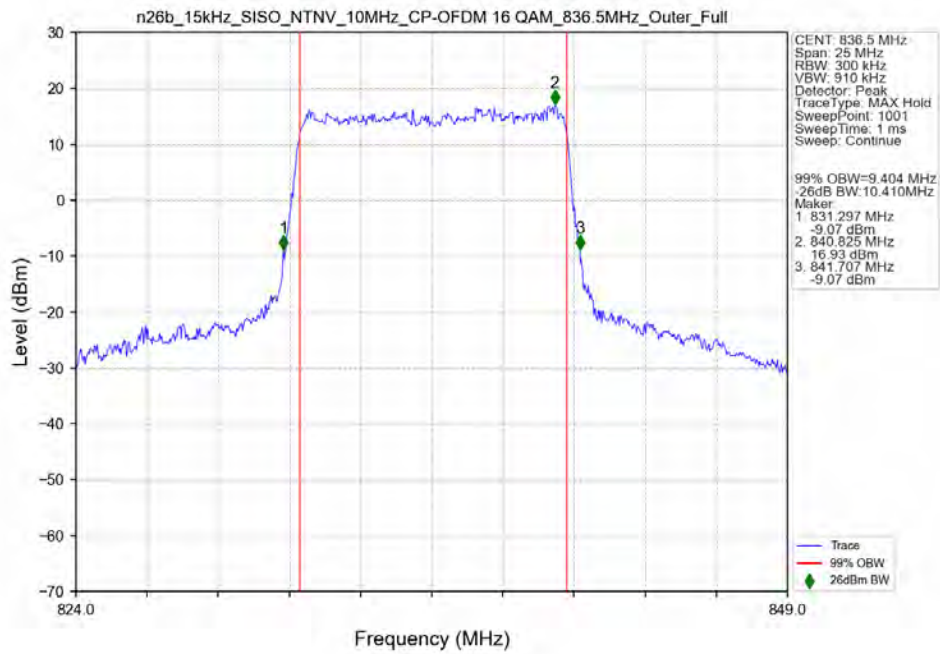
n26b 15kHz SISO NTNv 10MHz CP-OFDM QPSK 844MHz Outer Full Ant31



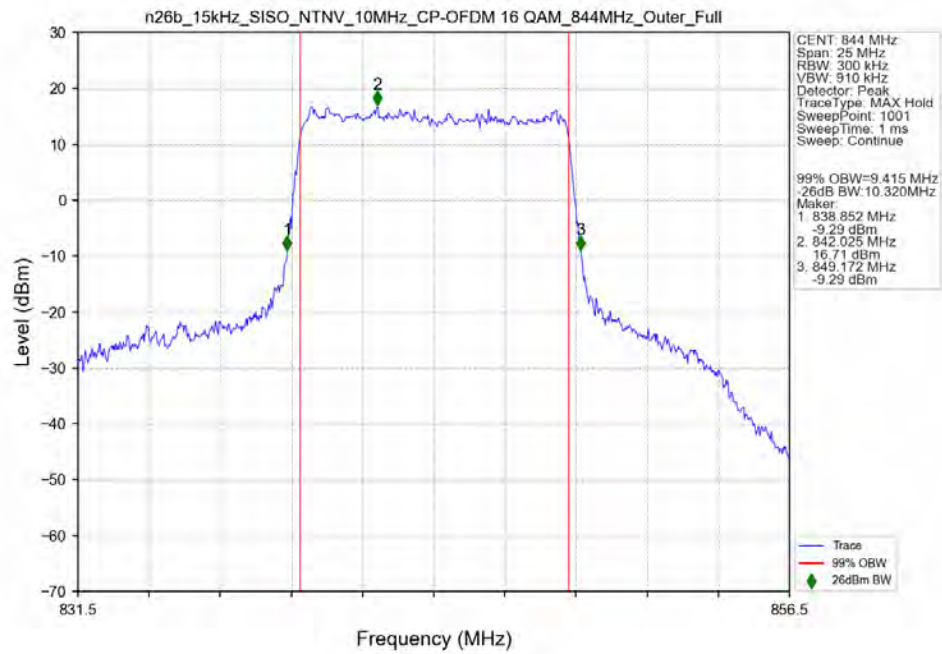
n26b 15kHz SISO NTV 10MHz CP-OFDM 16 QAM 829MHz Outer Full Ant31



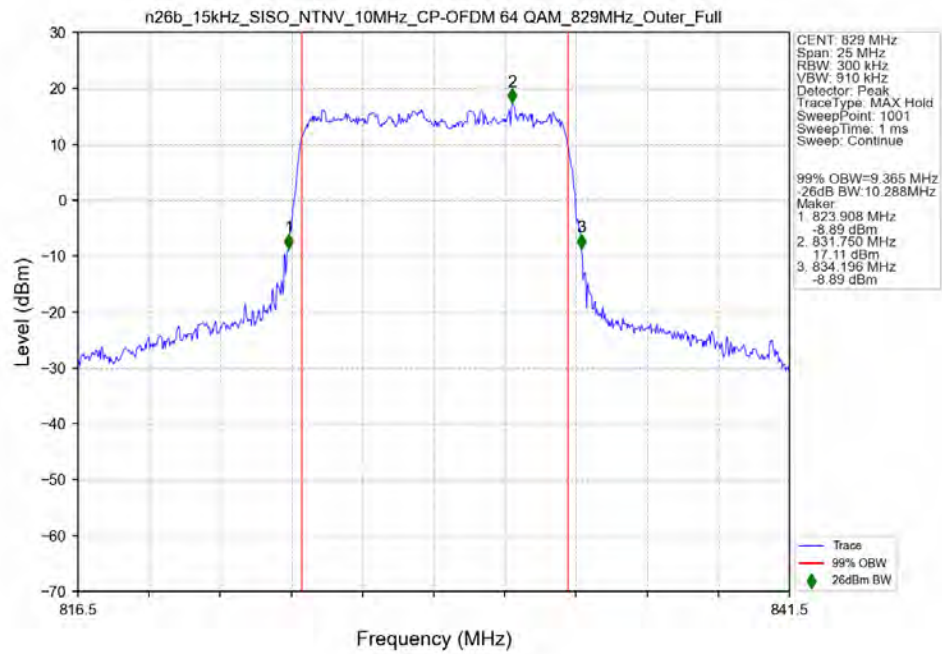
n26b 15kHz SISO NTV 10MHz CP-OFDM 16 QAM 836.5MHz Outer Full Ant31



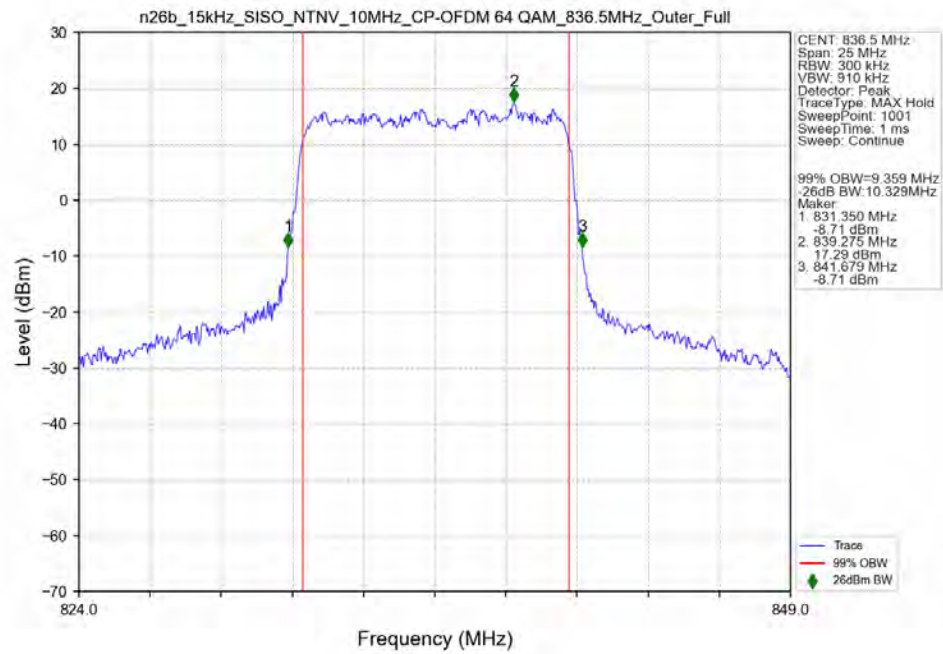
n26b\_15kHz\_SISO\_NTNV\_10MHz\_CP-OFDM\_16\_QAM\_844MHz\_Outer\_Full\_Ant31



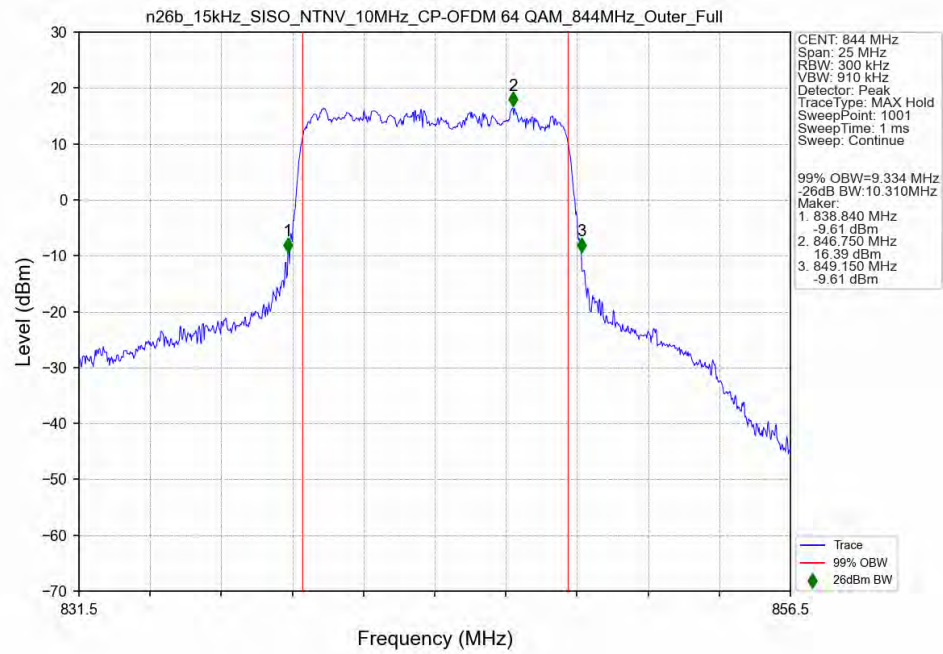
n26b\_15kHz\_SISO\_NTNV\_10MHz\_CP-OFDM\_64\_QAM\_829MHz\_Outer\_Full\_Ant31



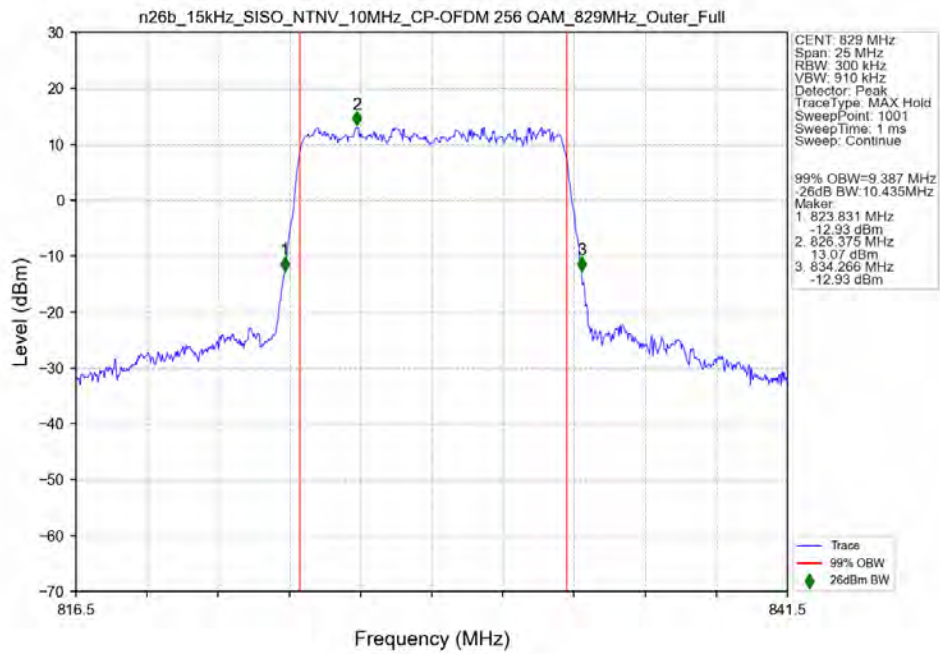
# n26b\_15kHz\_SISO\_NTNV\_10MHz\_CP-OFDM\_64\_QAM\_836.5MHz\_Outer\_Full\_Ant31



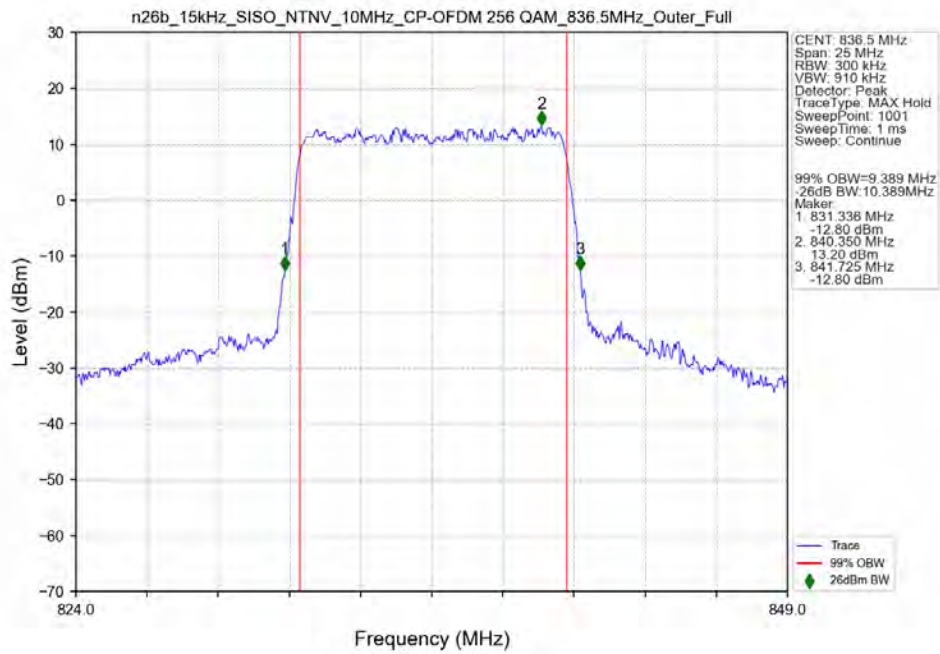
# n26b\_15kHz\_SISO\_NTNV\_10MHz\_CP-OFDM\_64\_QAM\_844MHz\_Outer\_Full\_Ant31



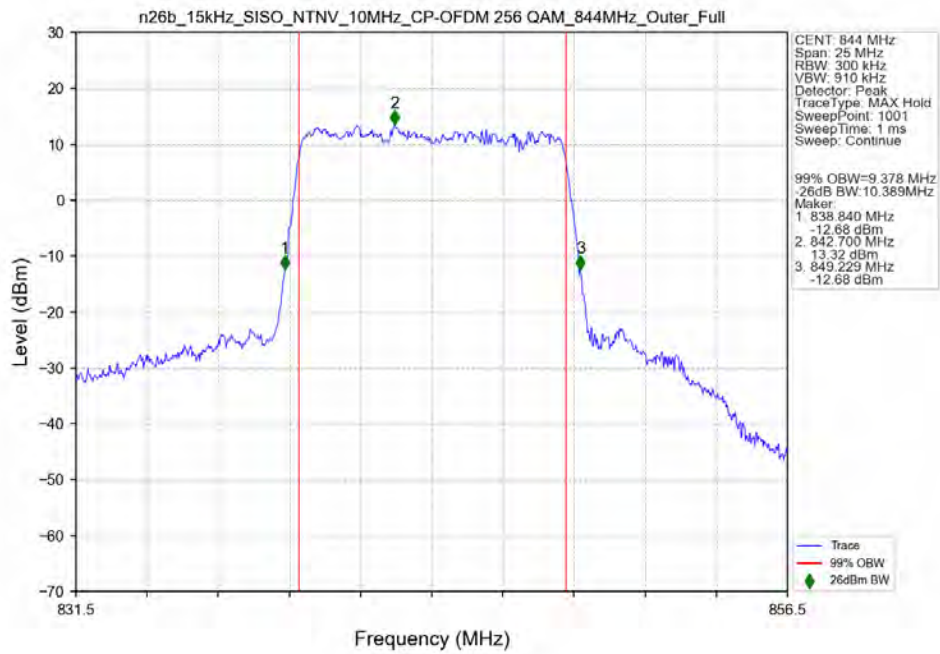
n26b\_15kHz\_SISO\_NTNV\_10MHz\_CP-OFDM\_256\_QAM\_829MHz\_Outer\_Full\_Ant31



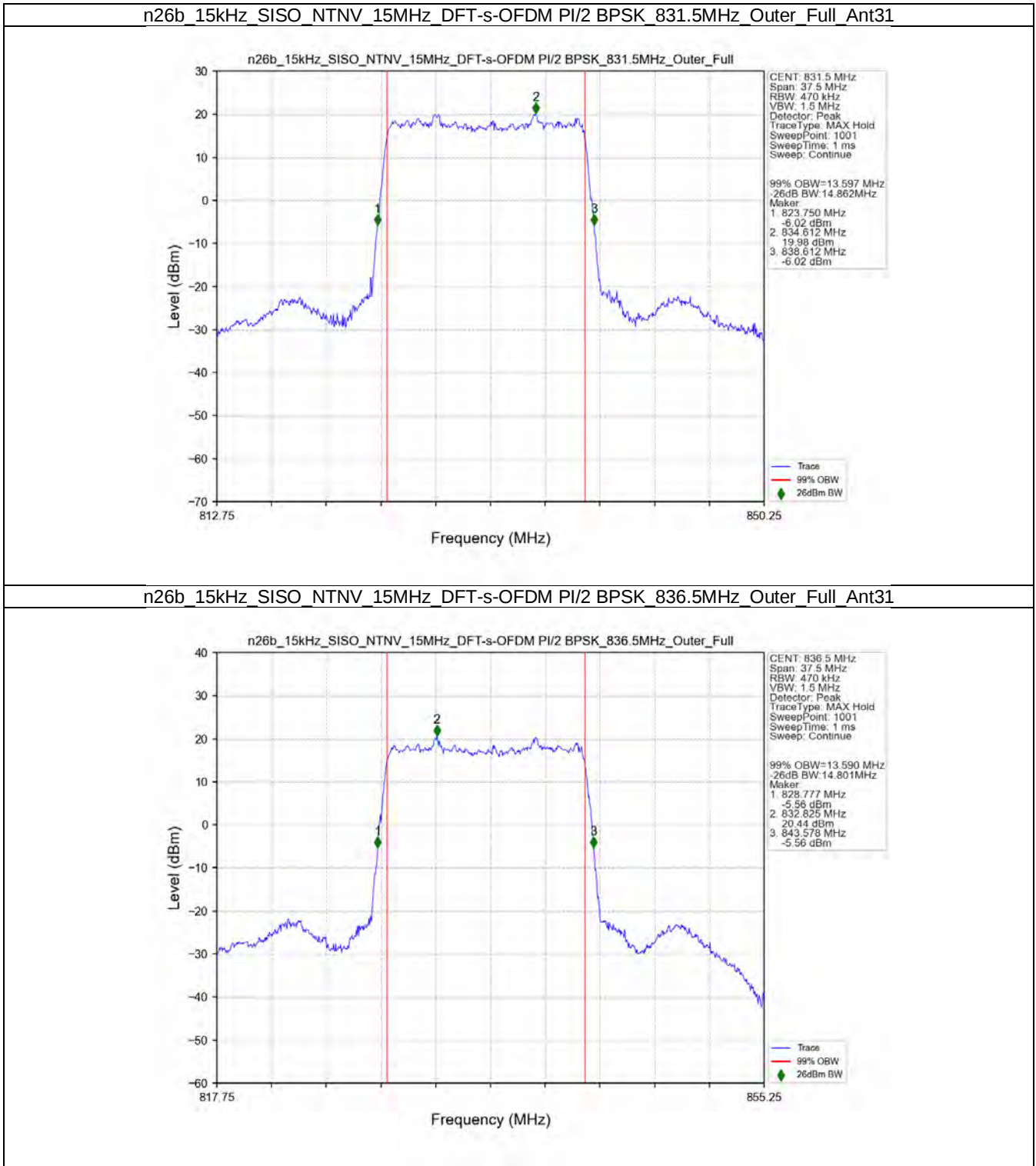
n26b\_15kHz\_SISO\_NTNV\_10MHz\_CP-OFDM\_256\_QAM\_836.5MHz\_Outer\_Full\_Ant31



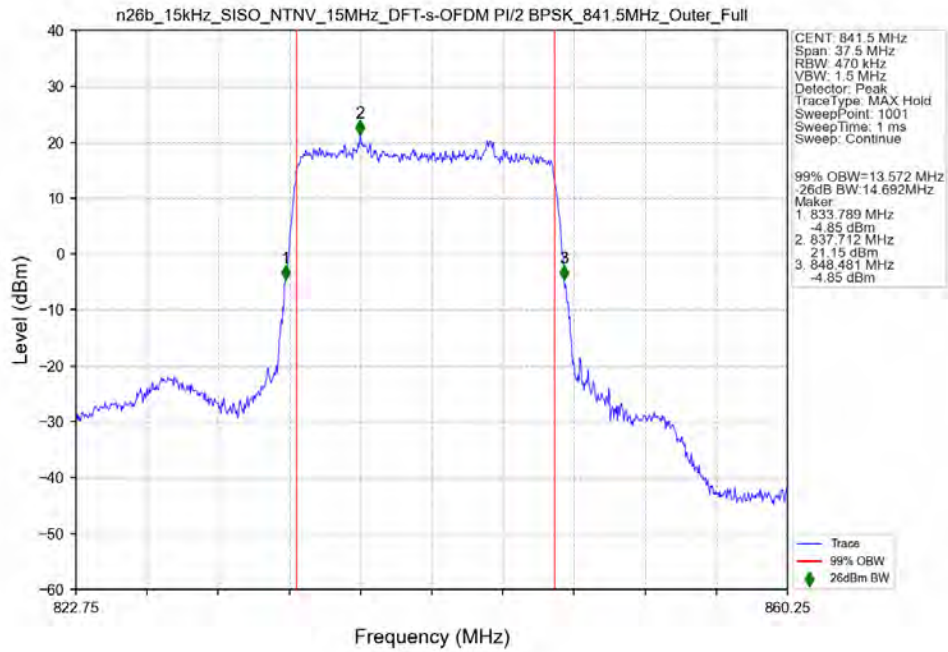
n26b 15kHz SISO NTN 10MHz CP-OFDM 256 QAM 844MHz Outer Full Ant31



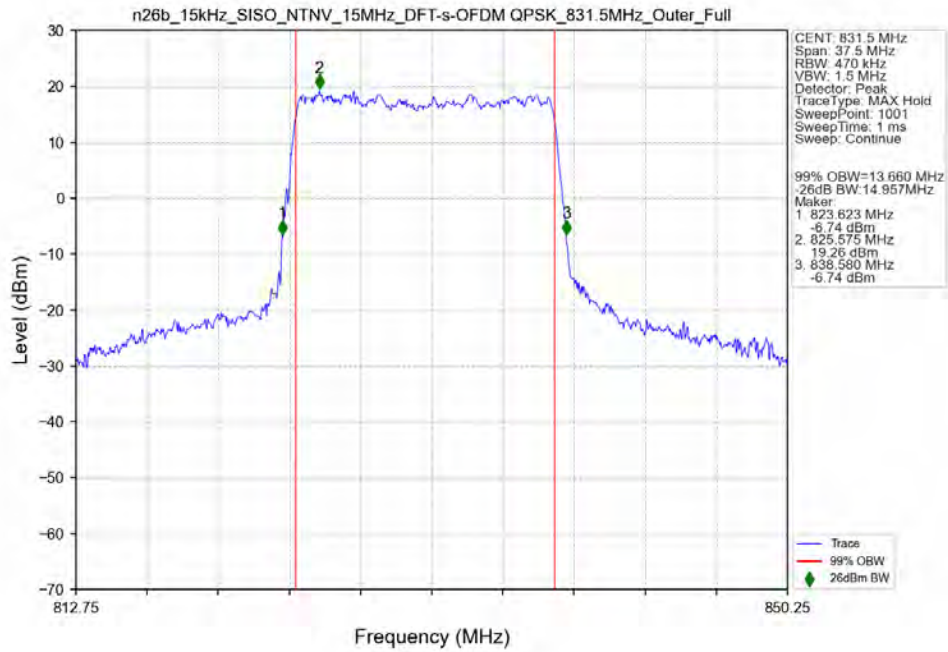
3.2.3 15k\_SISO\_15MHz\_NTNV



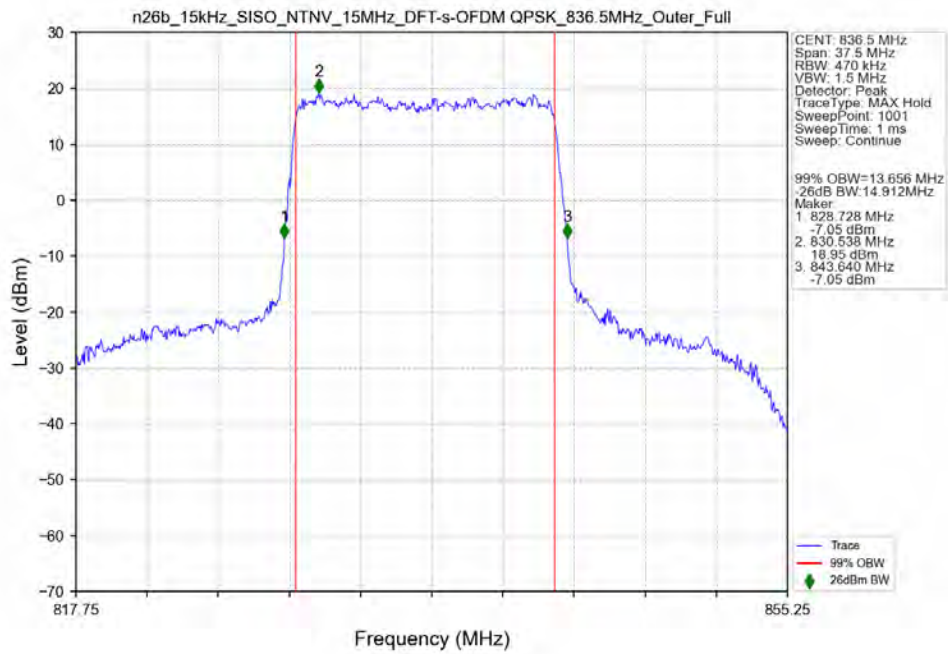
n26b\_15kHz\_SISO\_NTNV\_15MHz\_DFT-s-OFDM\_PI/2\_BPSK\_841.5MHz\_Outer\_Full\_Ant31



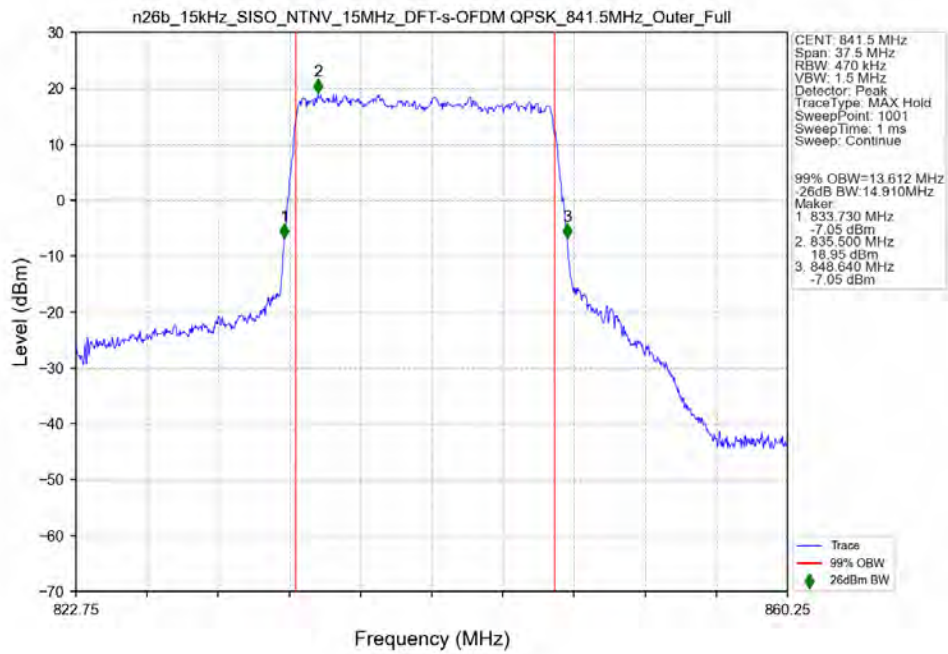
n26b\_15kHz\_SISO\_NTNV\_15MHz\_DFT-s-OFDM\_QPSK\_831.5MHz\_Outer\_Full\_Ant31



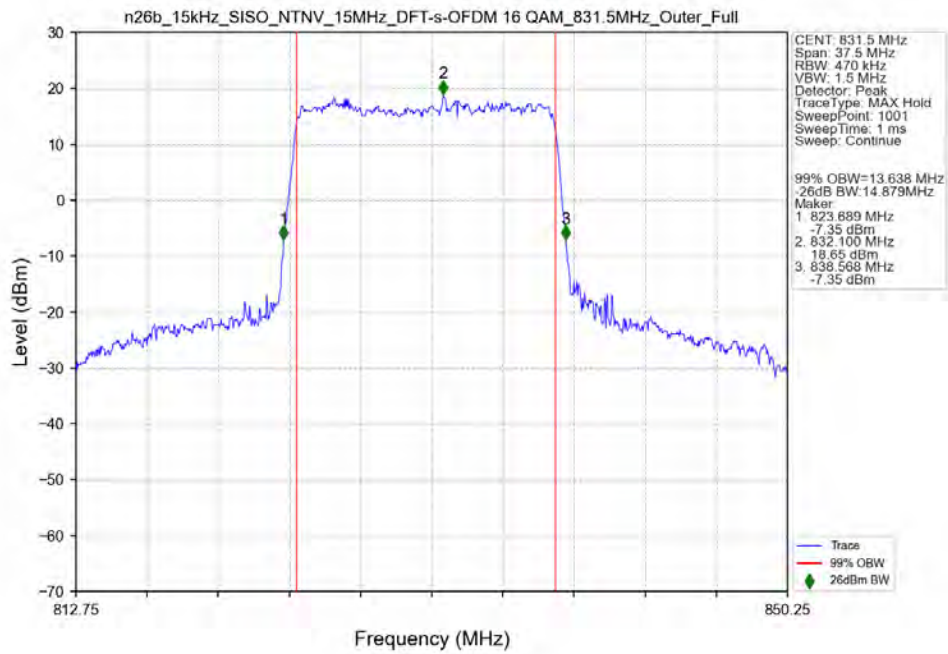
n26b\_15kHz\_SISO\_NTNV\_15MHz\_DFT-s-OFDM\_QPSK\_836.5MHz\_Outer\_Full\_Ant31



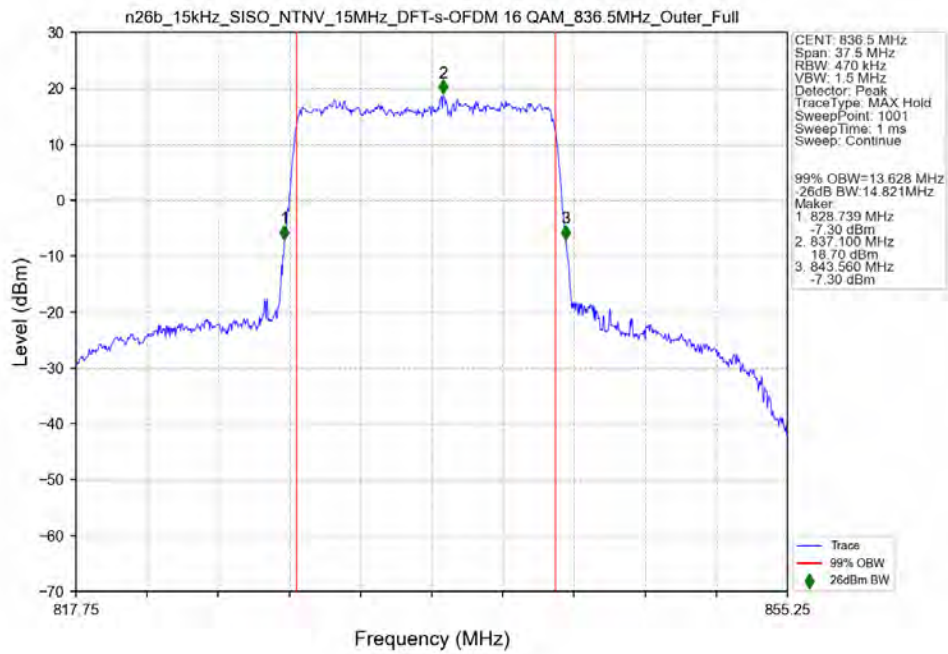
n26b\_15kHz\_SISO\_NTNV\_15MHz\_DFT-s-OFDM\_QPSK\_841.5MHz\_Outer\_Full\_Ant31



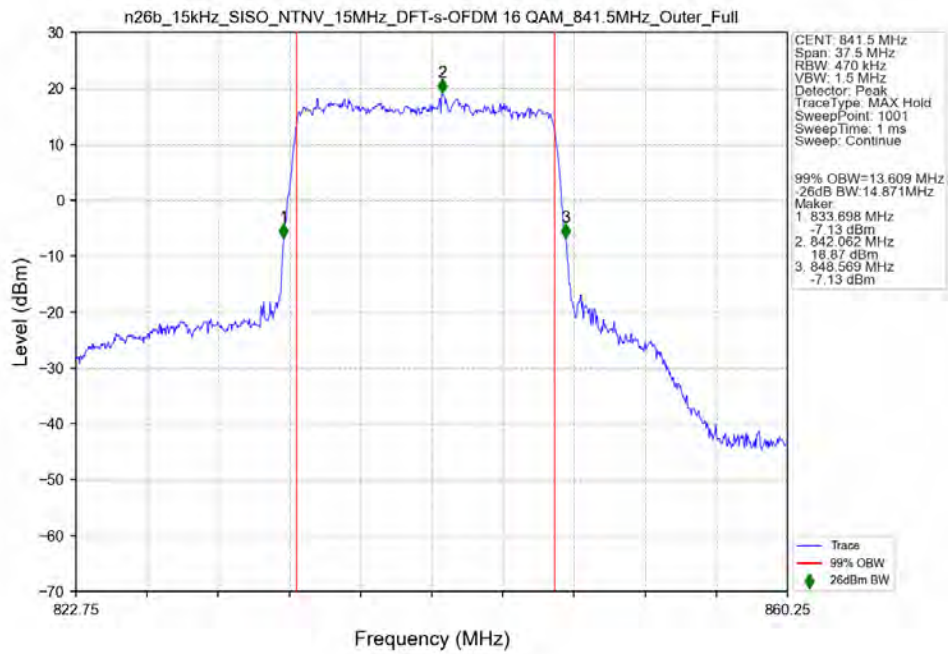
n26b\_15kHz\_SISO\_NTNV\_15MHz\_DFT-s-OFDM\_16\_QAM\_831.5MHz\_Outer\_Full\_Ant31



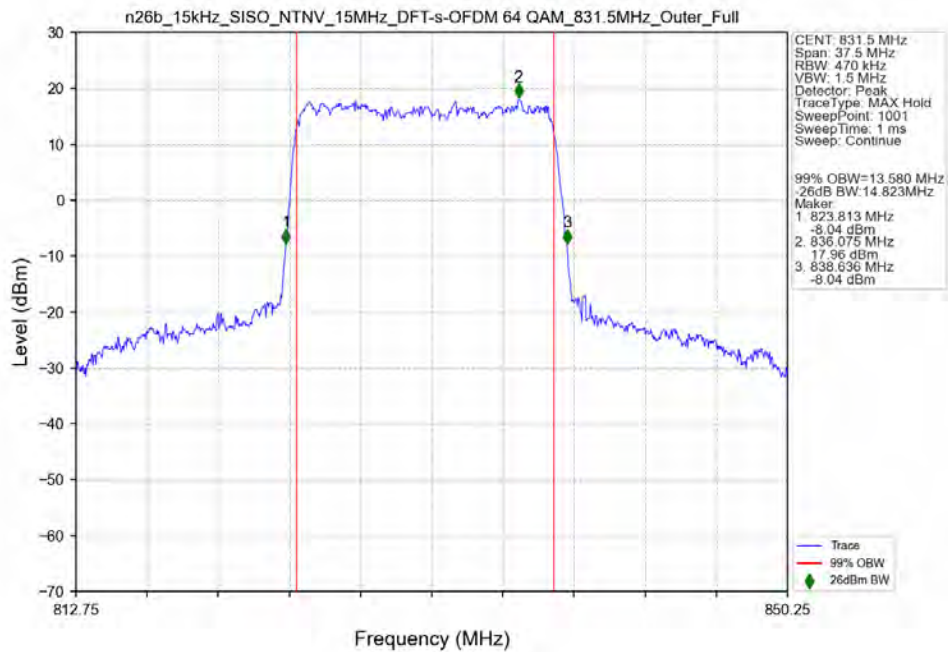
n26b\_15kHz\_SISO\_NTNV\_15MHz\_DFT-s-OFDM\_16\_QAM\_836.5MHz\_Outer\_Full\_Ant31



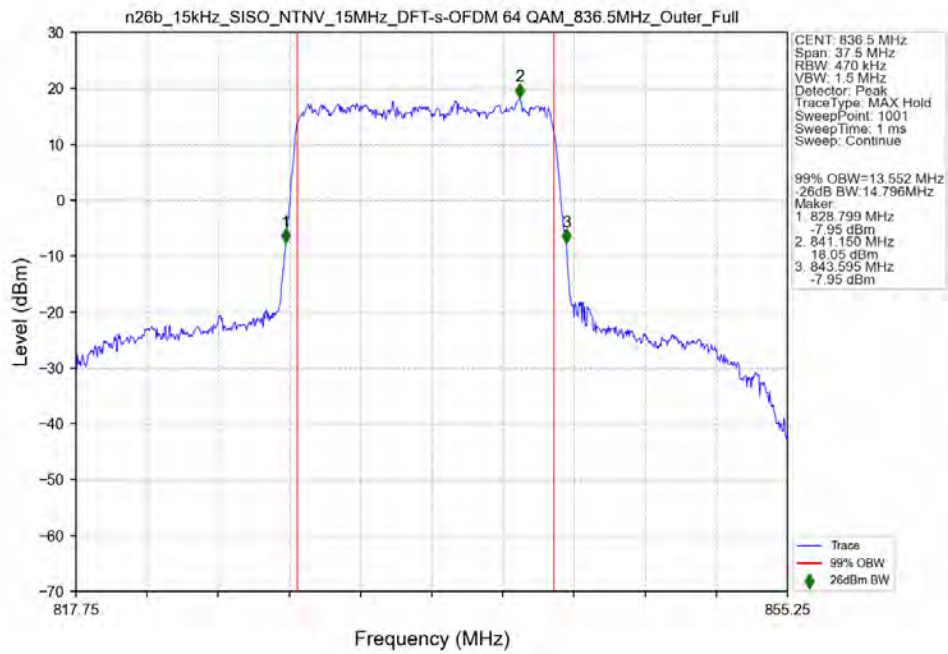
n26b\_15kHz\_SISO\_NTNV\_15MHz\_DFT-s-OFDM\_16QAM\_841.5MHz\_Outer\_Full\_Ant31



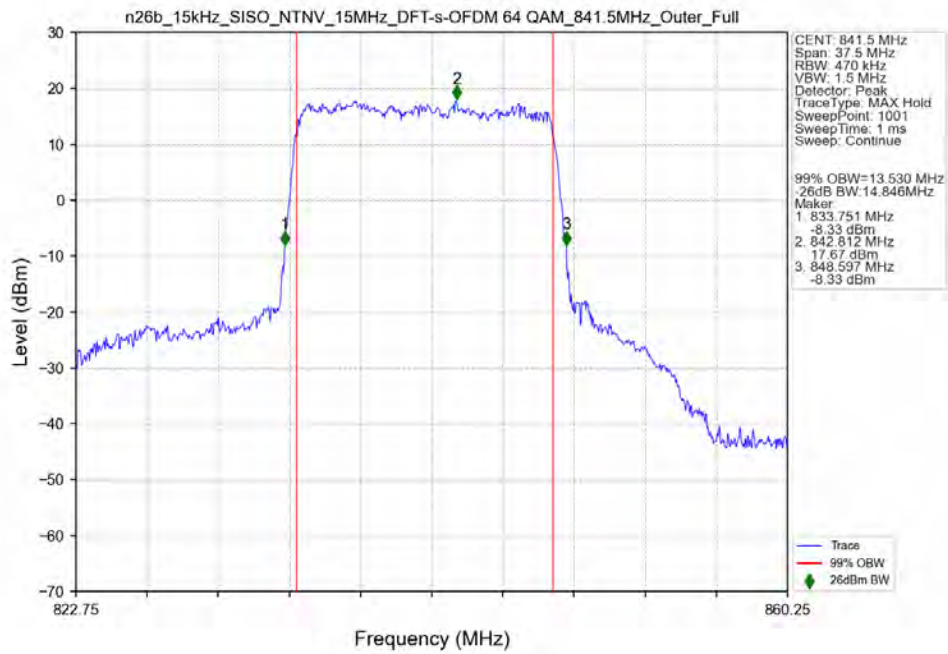
n26b\_15kHz\_SISO\_NTNV\_15MHz\_DFT-s-OFDM\_64QAM\_831.5MHz\_Outer\_Full\_Ant31



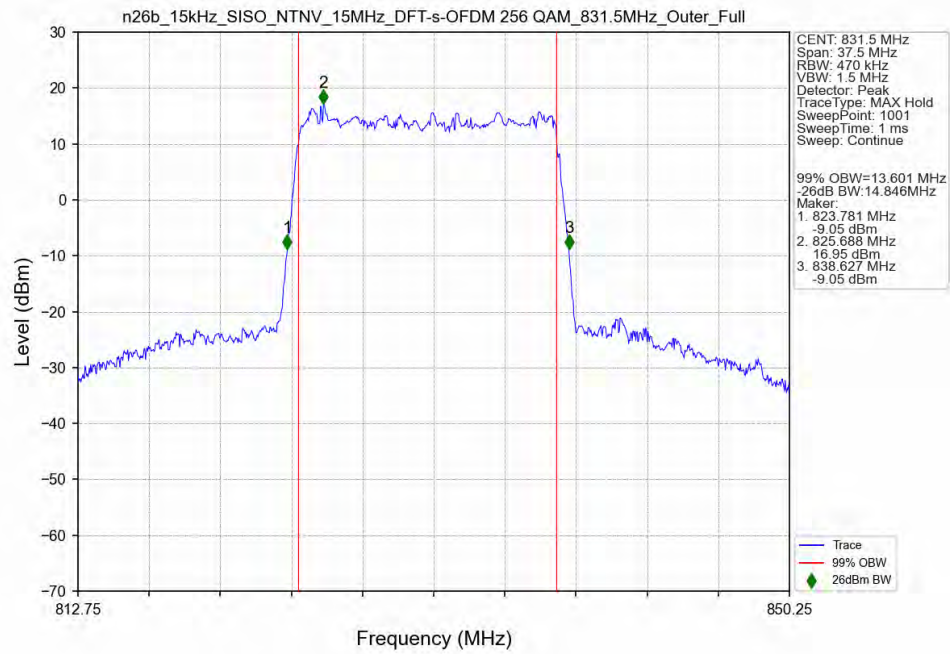
n26b\_15kHz\_SISO\_NTNV\_15MHz\_DFT-s-OFDM\_64\_QAM\_836.5MHz\_Outer\_Full\_Ant31



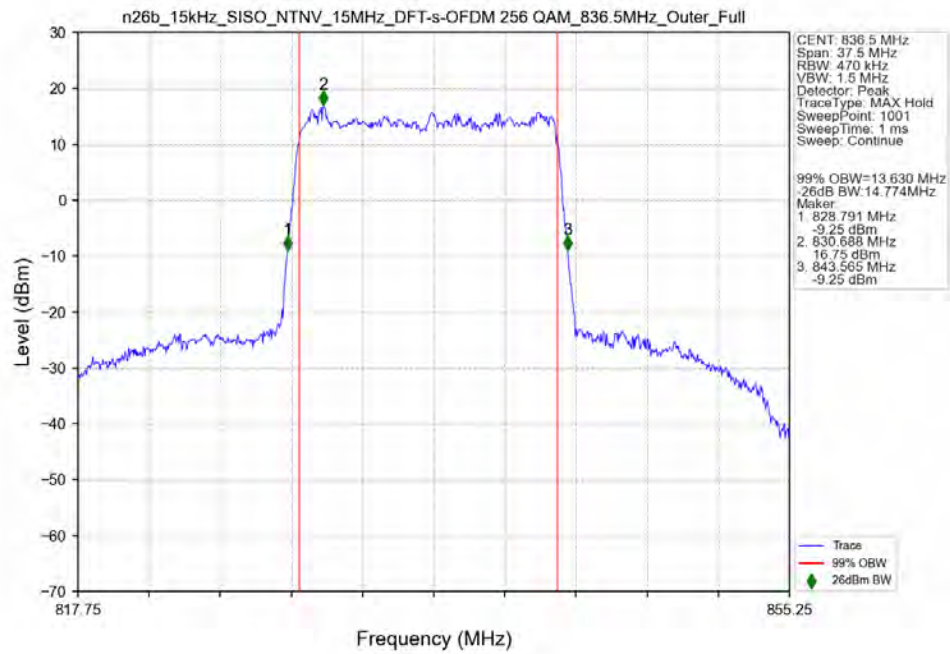
n26b\_15kHz\_SISO\_NTNV\_15MHz\_DFT-s-OFDM\_64\_QAM\_841.5MHz\_Outer\_Full\_Ant31



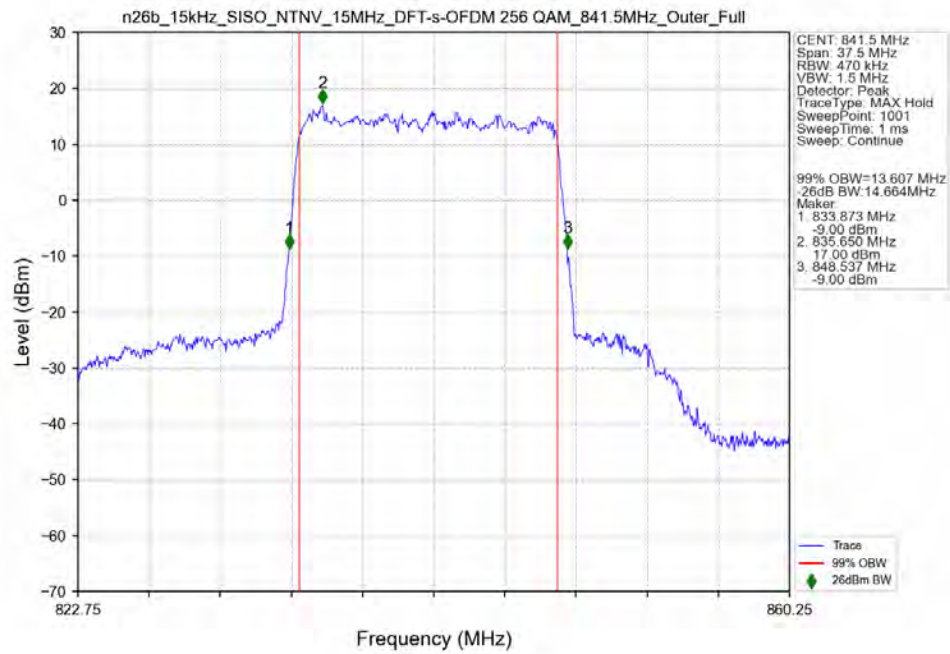
n26b 15kHz SISO NTN 15MHz DFT-s-OFDM 256 QAM 831.5MHz Outer Full Ant31



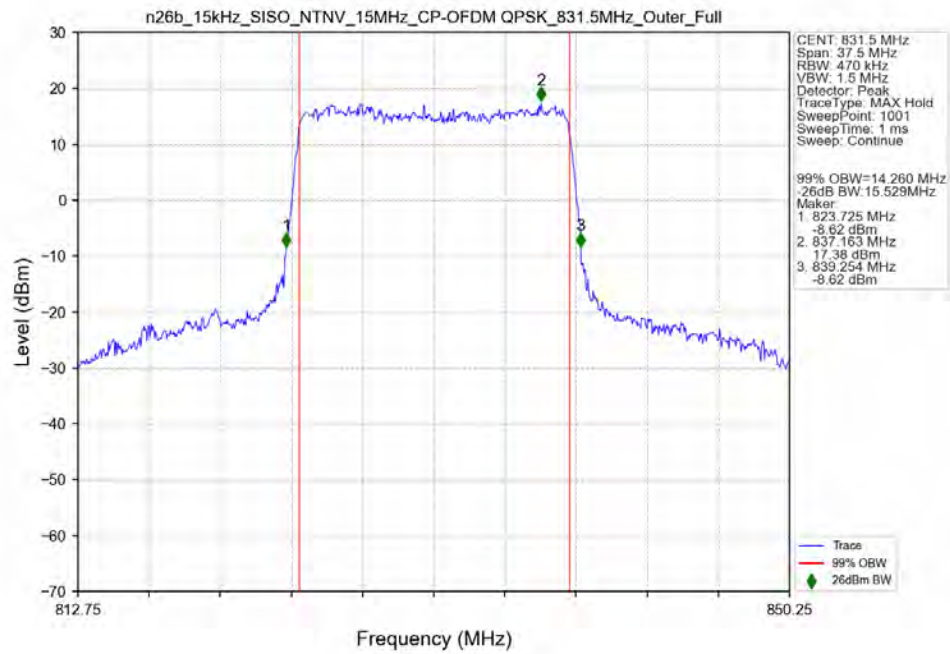
n26b 15kHz SISO NTN 15MHz DFT-s-OFDM 256 QAM 836.5MHz Outer Full Ant31



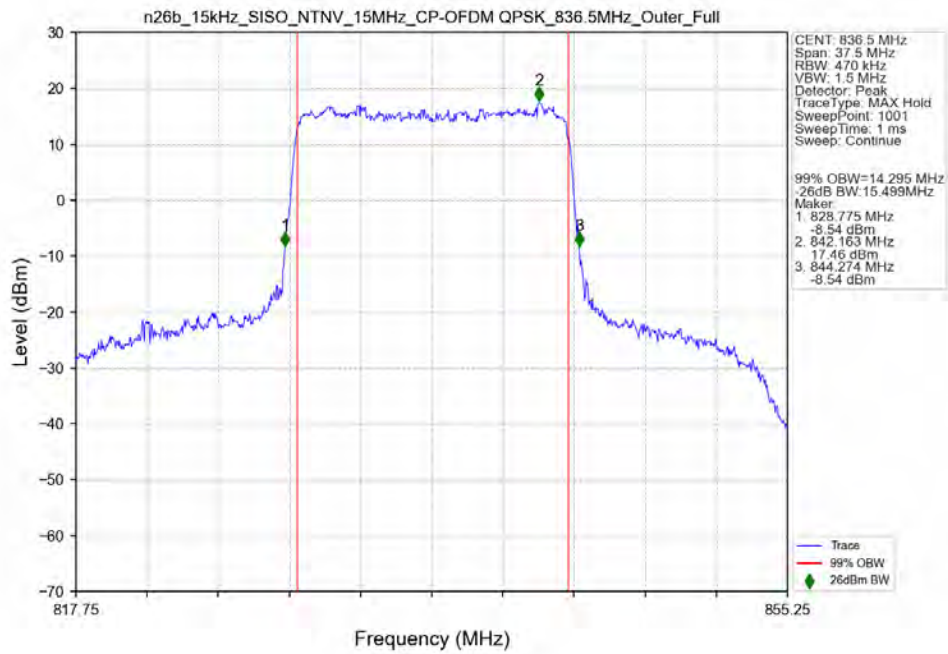
n26b 15kHz SISO NTN 15MHz DFT-s-OFDM 256 QAM 841.5MHz Outer Full Ant31



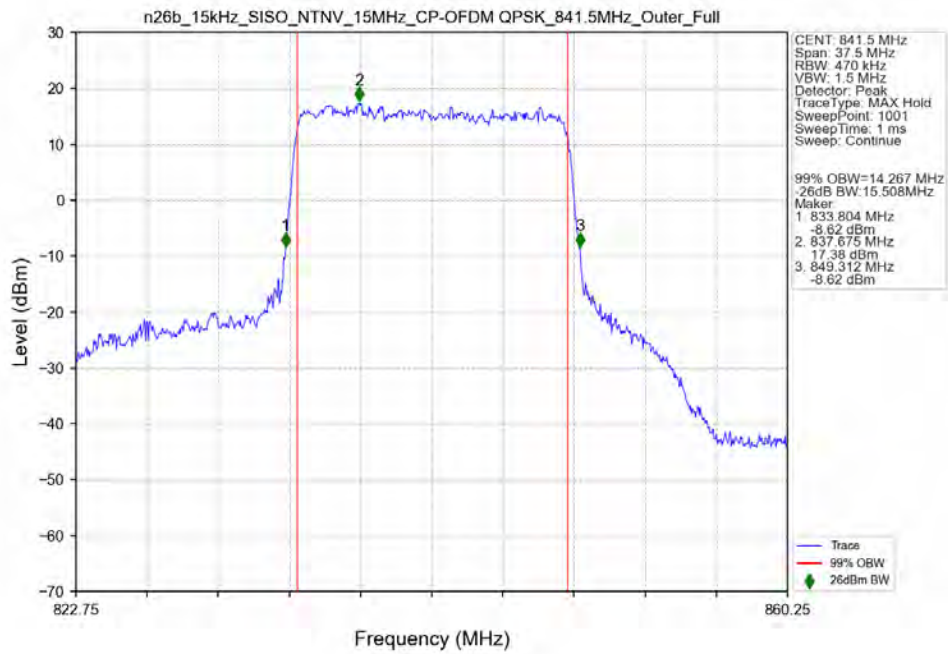
n26b 15kHz SISO NTN 15MHz CP-OFDM QPSK 831.5MHz Outer Full Ant31



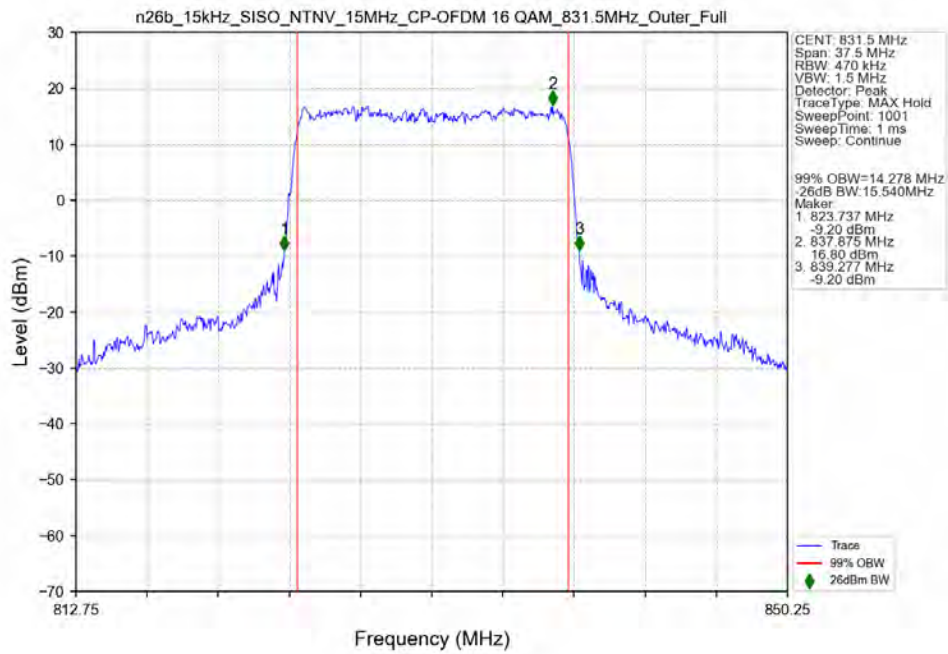
n26b\_15kHz\_SISO\_NTNV\_15MHz\_CP-OFDM\_QPSK\_836.5MHz\_Outer\_Full\_Ant31



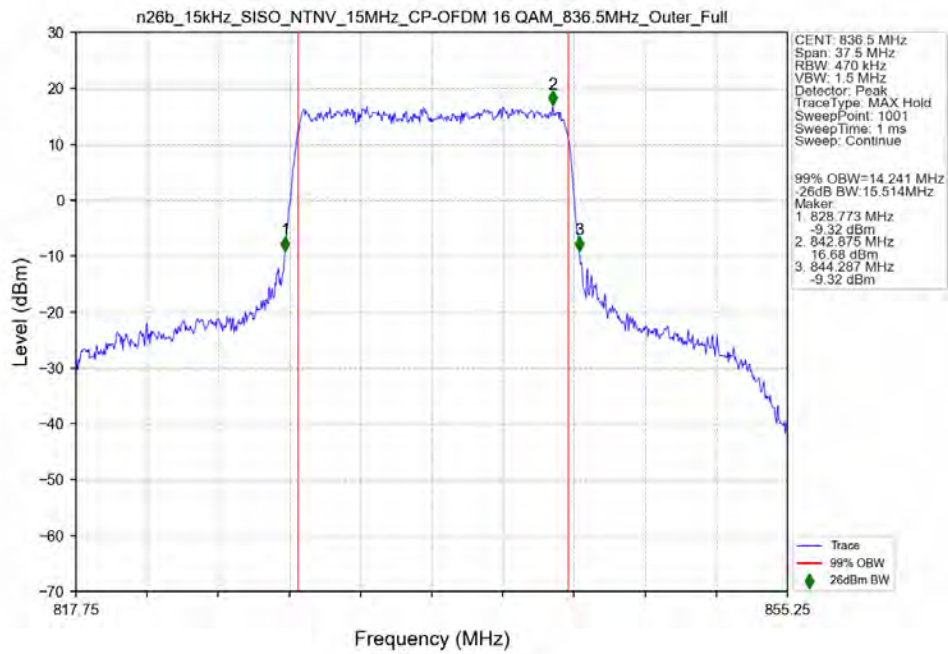
n26b\_15kHz\_SISO\_NTNV\_15MHz\_CP-OFDM\_QPSK\_841.5MHz\_Outer\_Full\_Ant31



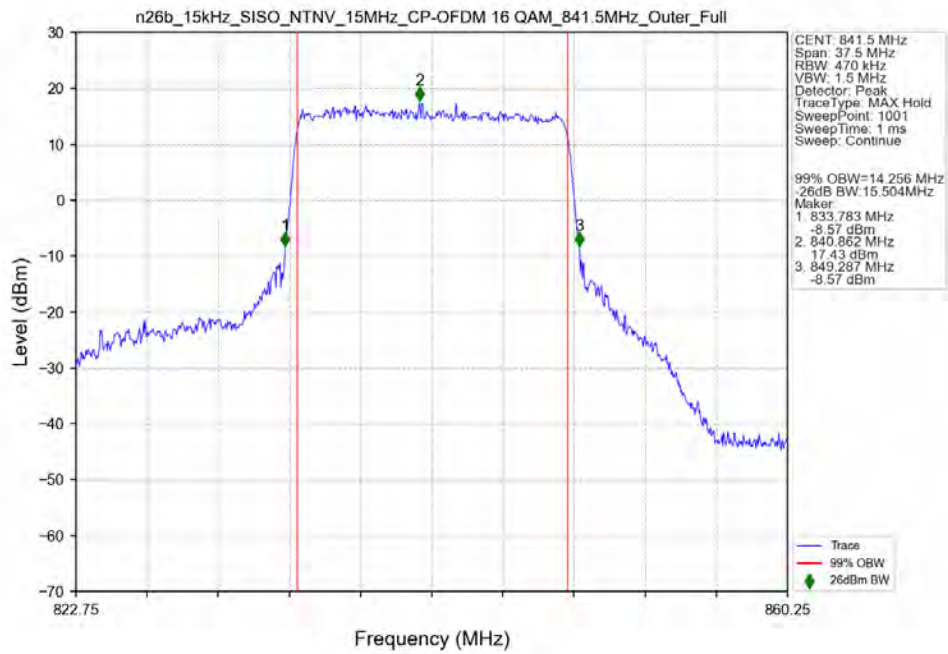
n26b\_15kHz\_SISO\_NTNV\_15MHz\_CP-OFDM\_16\_QAM\_831.5MHz\_Outer\_Full\_Ant31



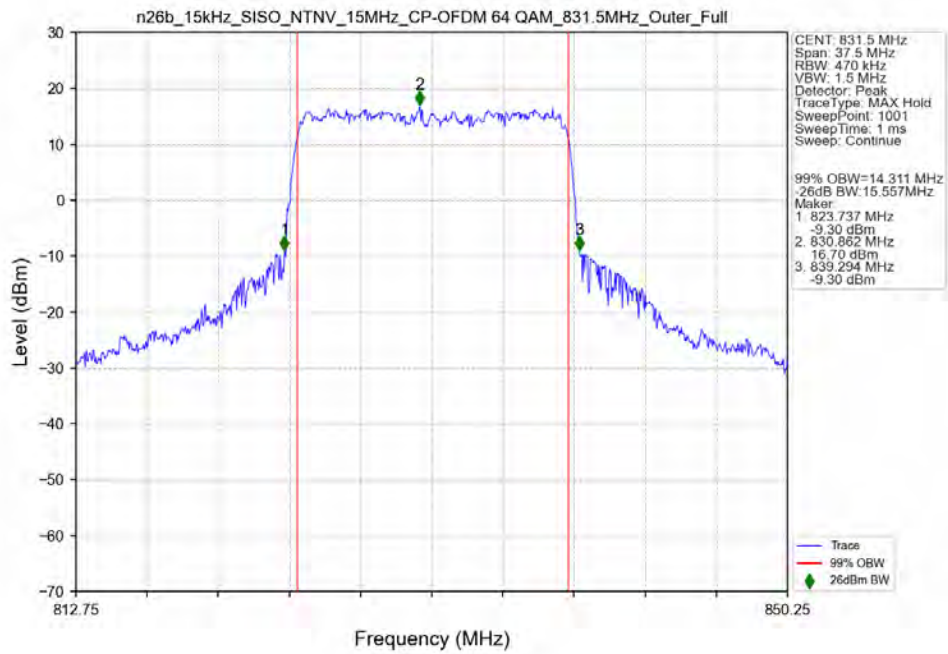
n26b\_15kHz\_SISO\_NTNV\_15MHz\_CP-OFDM\_16\_QAM\_836.5MHz\_Outer\_Full\_Ant31



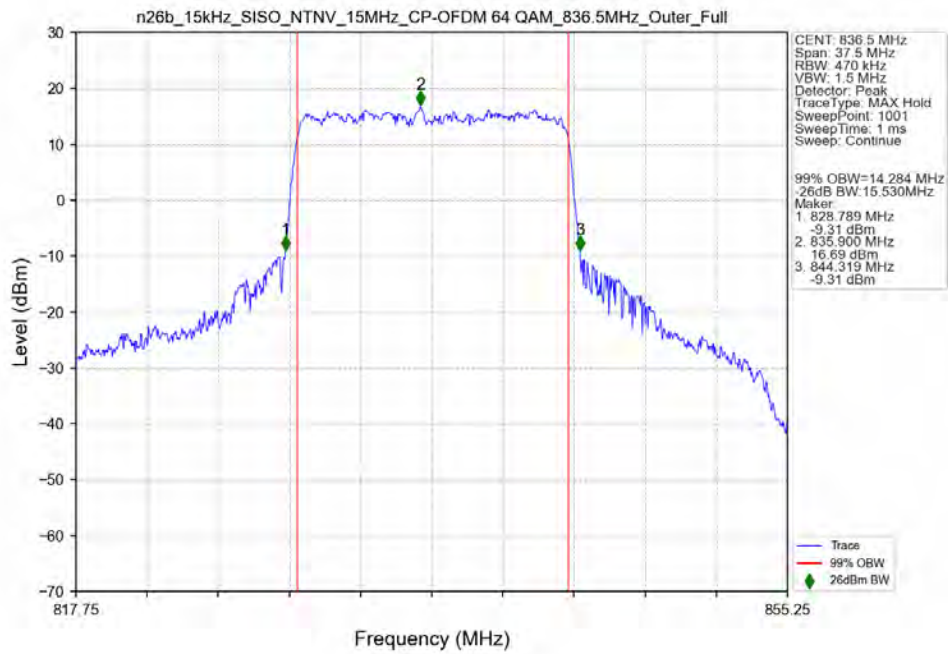
n26b\_15kHz\_SISO\_NTNV\_15MHz\_CP-OFDM\_16\_QAM\_841.5MHz\_Outer\_Full\_Ant31



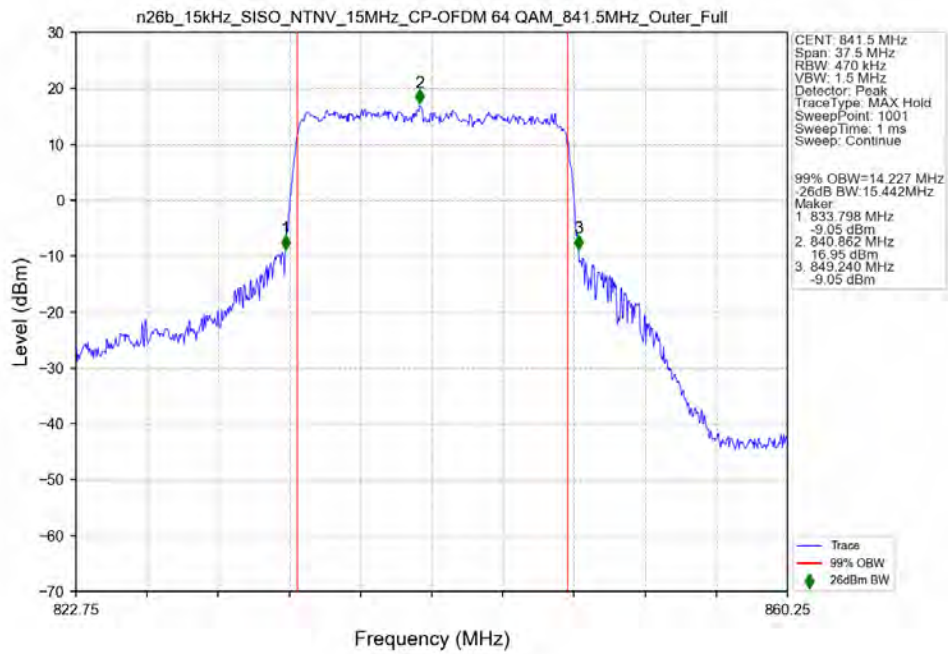
n26b\_15kHz\_SISO\_NTNV\_15MHz\_CP-OFDM\_64\_QAM\_831.5MHz\_Outer\_Full\_Ant31



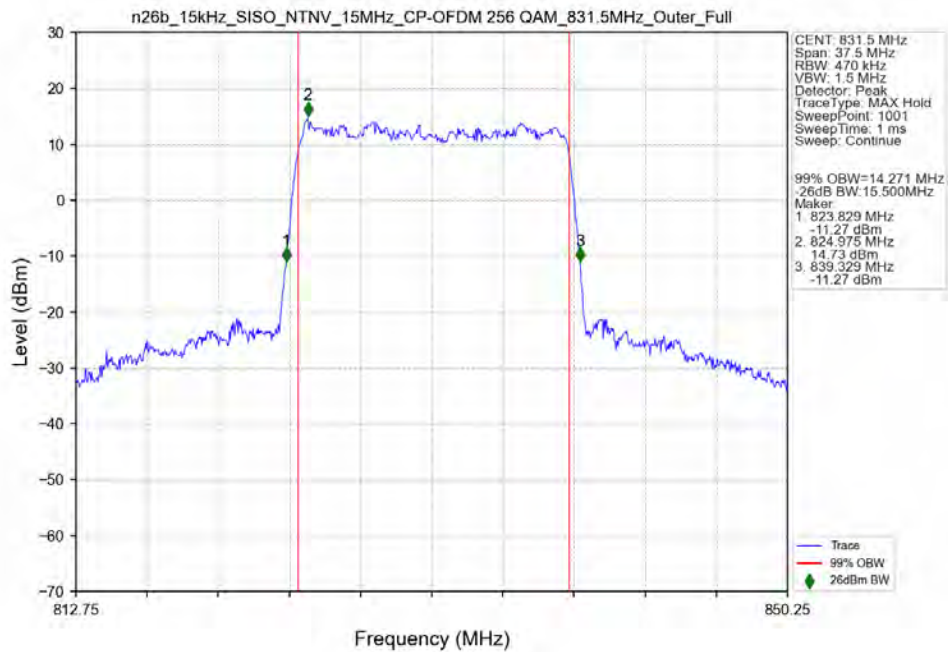
n26b\_15kHz\_SISO\_NTNV\_15MHz\_CP-OFDM\_64\_QAM\_836.5MHz\_Outer\_Full\_Ant31



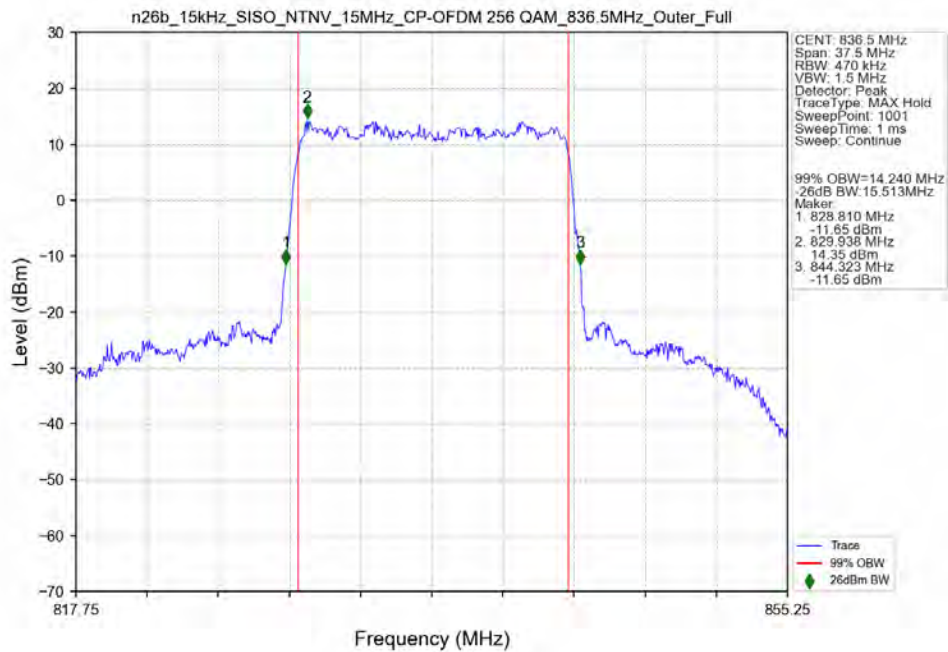
n26b\_15kHz\_SISO\_NTNV\_15MHz\_CP-OFDM\_64\_QAM\_841.5MHz\_Outer\_Full\_Ant31

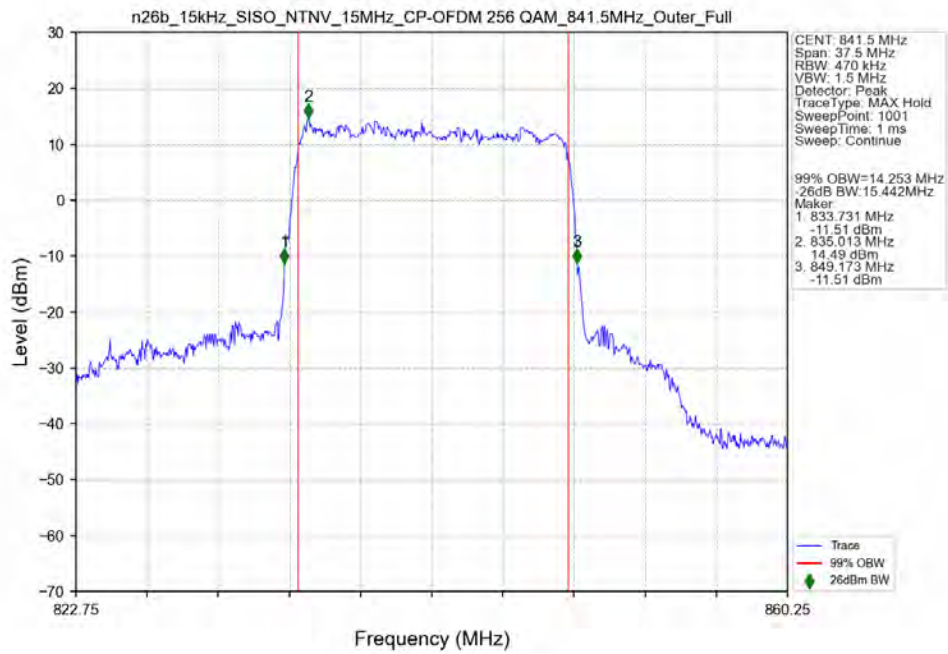


n26b 15kHz SISO NTN 15MHz CP-OFDM 256 QAM 831.5MHz Outer Full Ant31

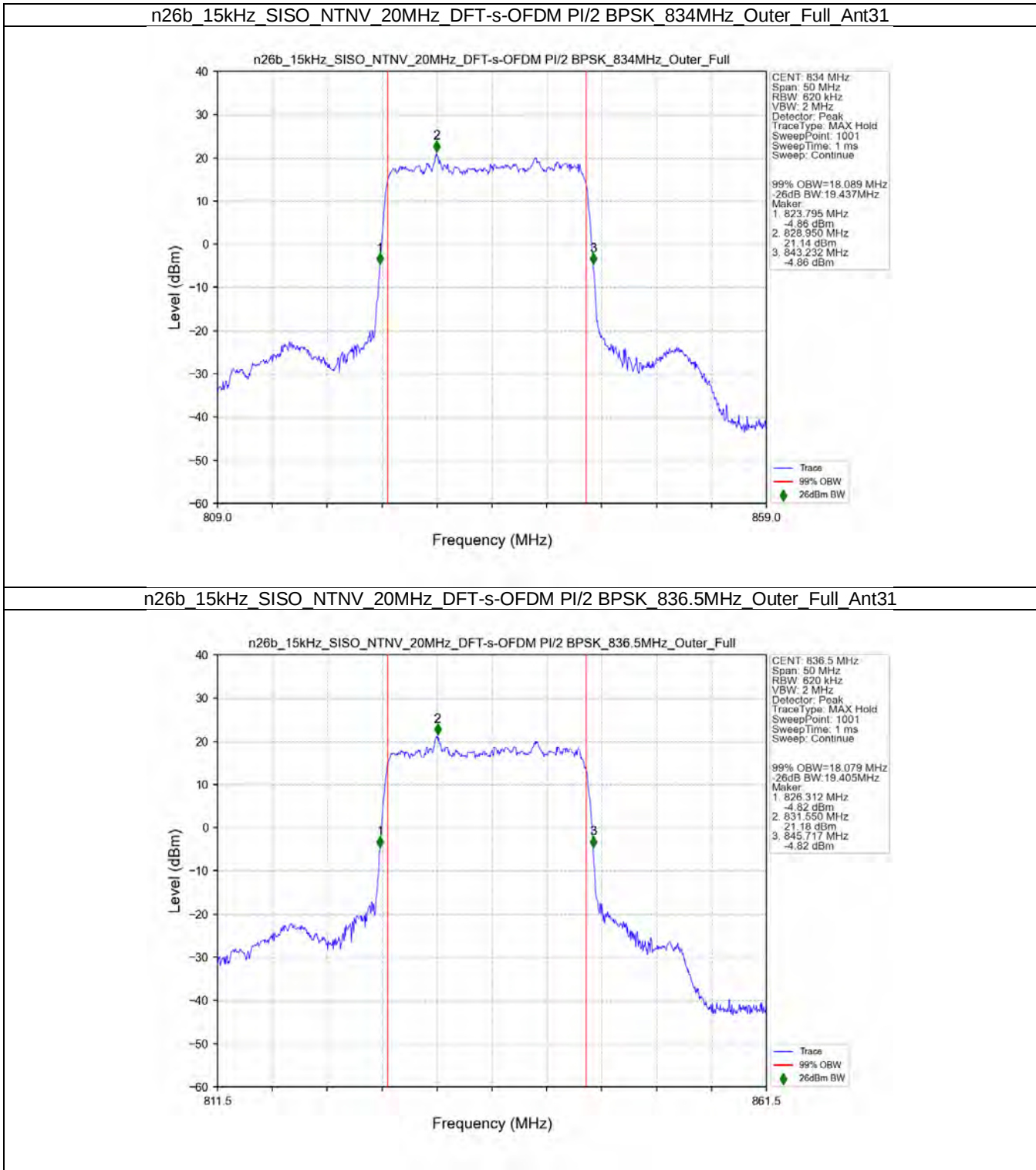


n26b 15kHz SISO NTN 15MHz CP-OFDM 256 QAM 836.5MHz Outer Full Ant31

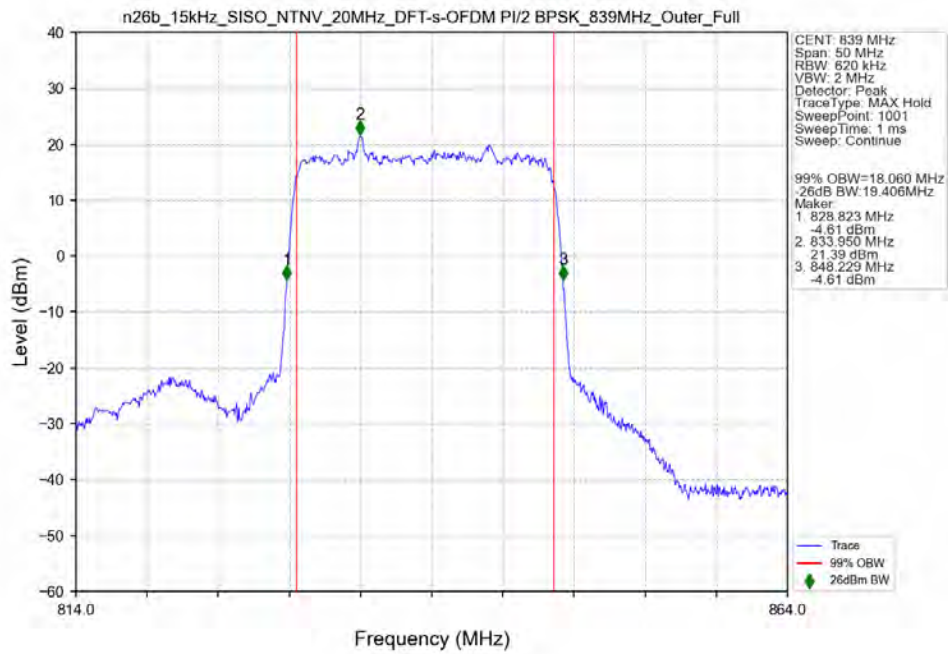




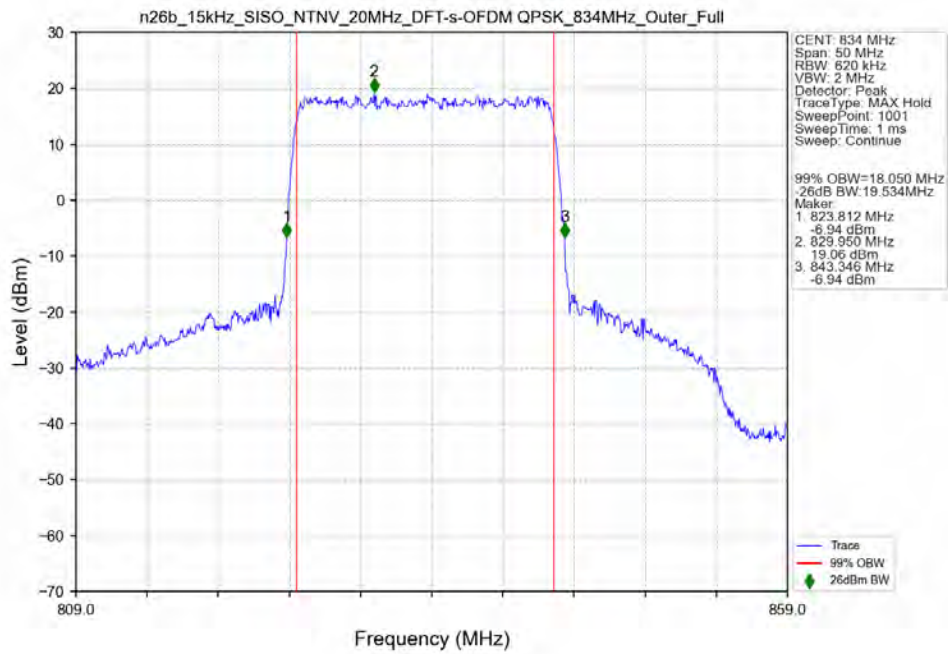
3.2.4 15k\_SISO\_20MHz\_NTNV



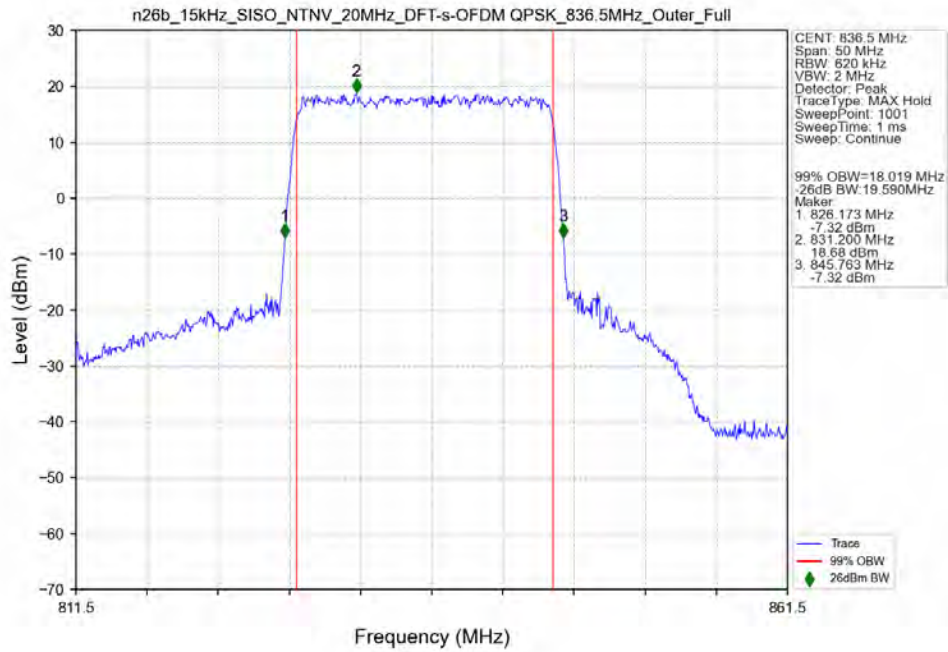
n26b\_15kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM PI/2 BPSK\_839MHz\_Outer\_Full\_Ant31



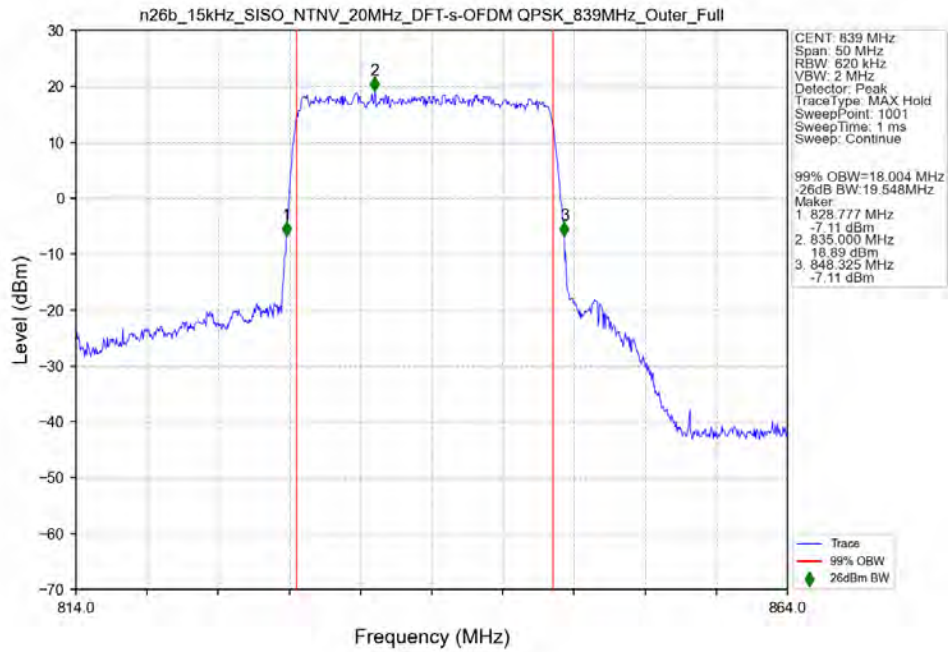
n26b\_15kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM QPSK\_834MHz\_Outer\_Full\_Ant31



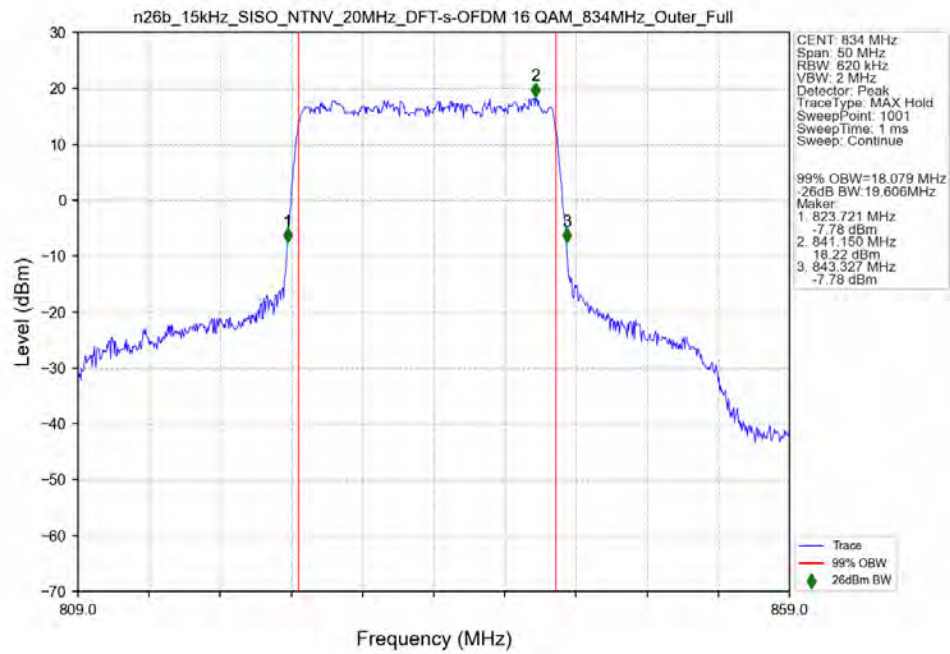
n26b\_15kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM\_QPSK\_836.5MHz\_Outer\_Full\_Ant31



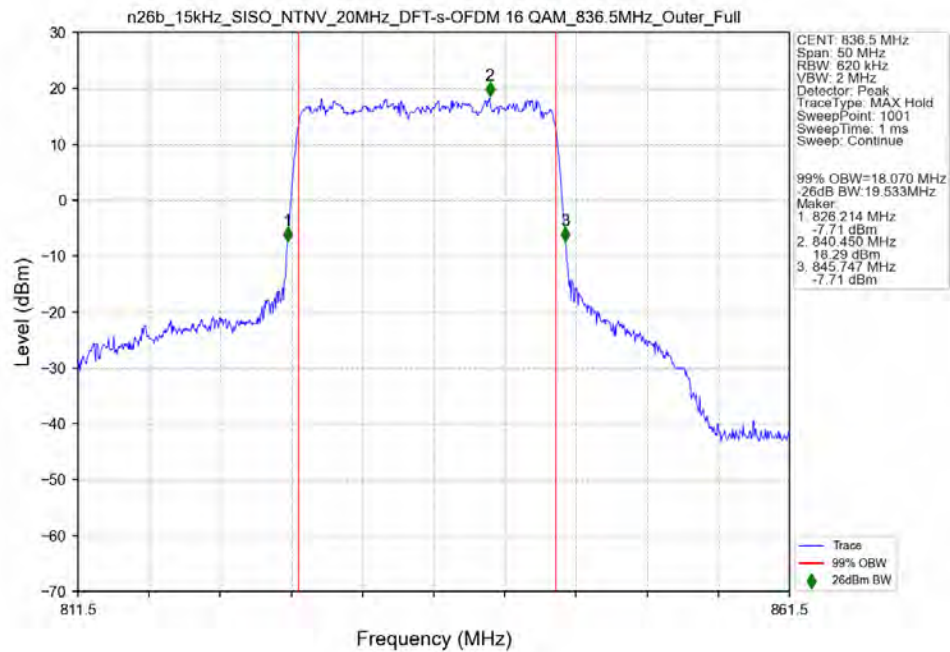
n26b\_15kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM\_QPSK\_839MHz\_Outer\_Full\_Ant31



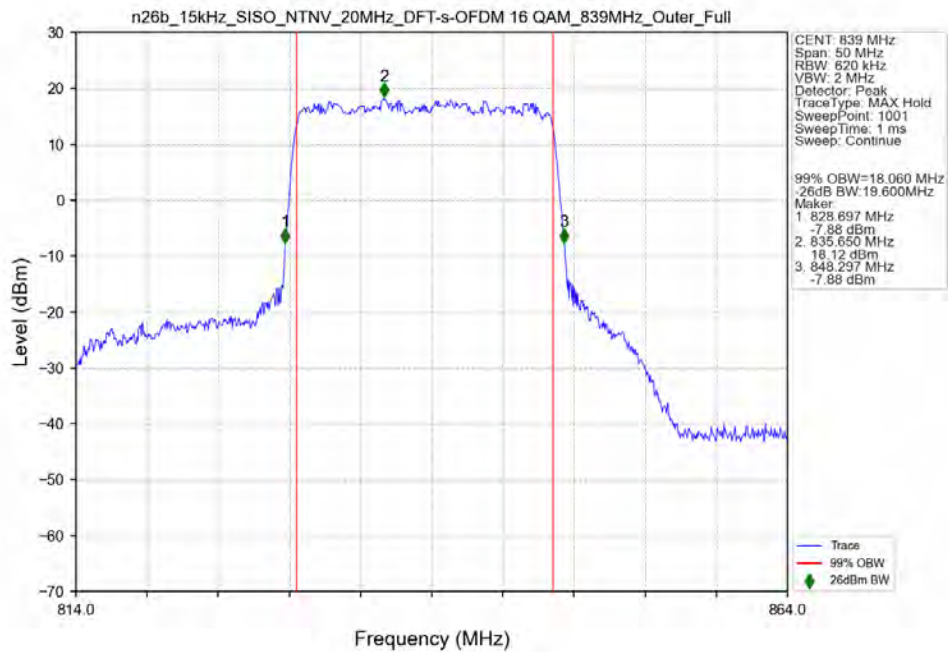
n26b\_15kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM\_16\_QAM\_834MHz\_Outer\_Full\_Ant31



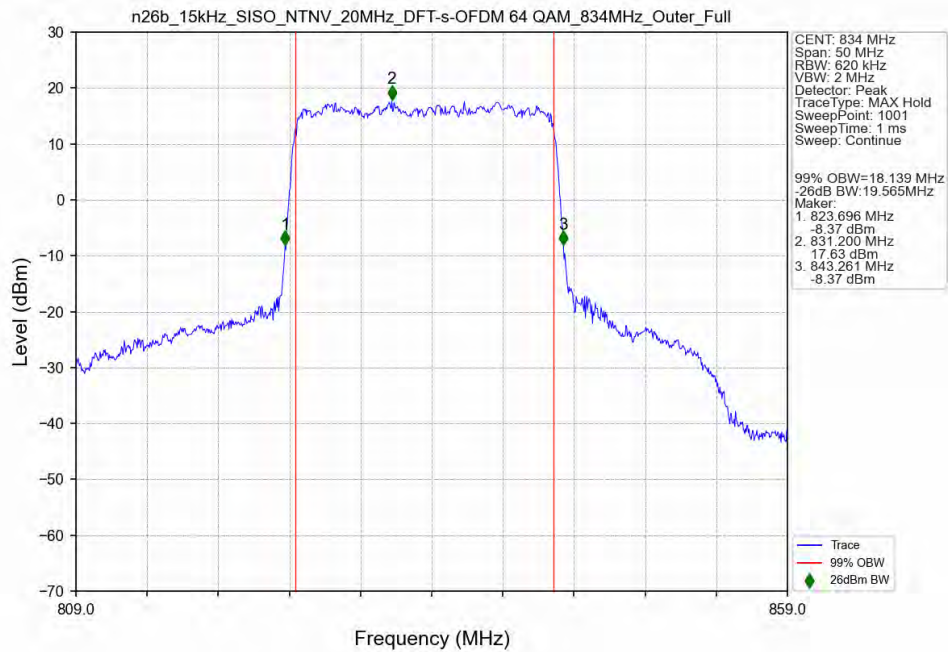
n26b\_15kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM\_16\_QAM\_836.5MHz\_Outer\_Full\_Ant31



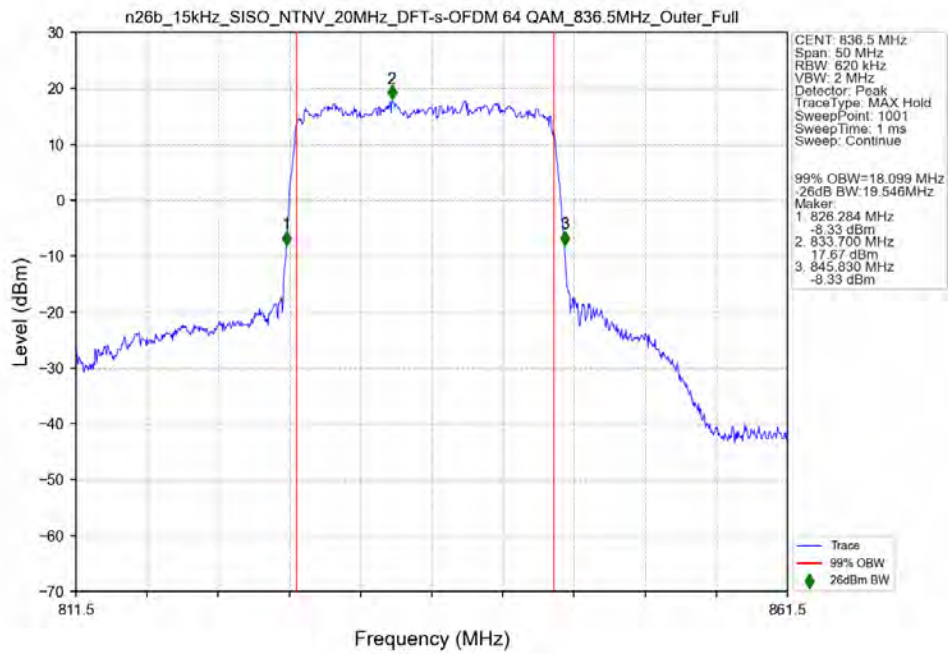
n26b 15kHz SISO NTN 20MHz DFT-s-OFDM 16 QAM 839MHz Outer Full Ant31



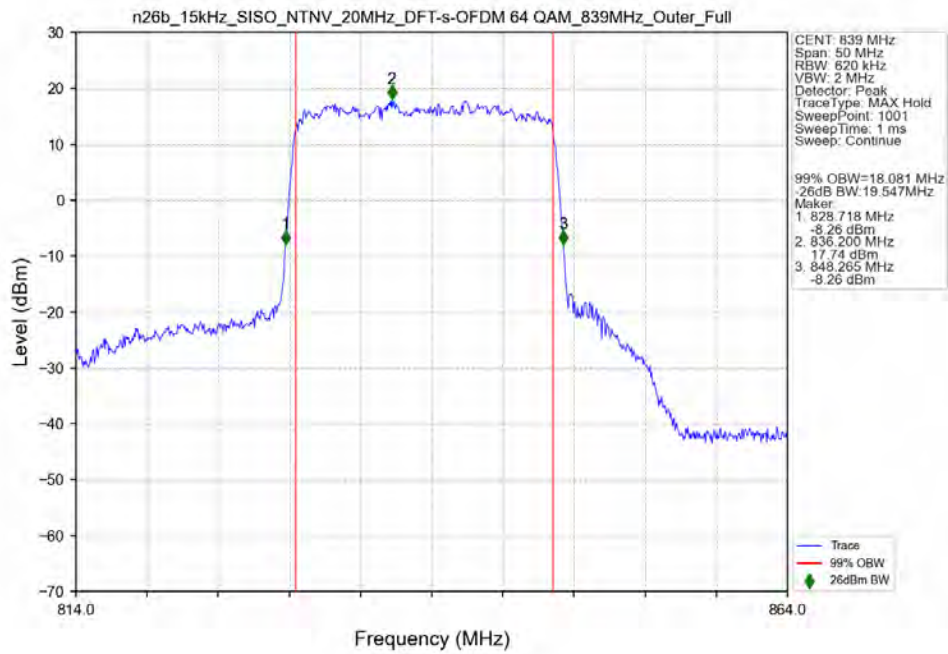
n26b 15kHz SISO NTN 20MHz DFT-s-OFDM 64 QAM 834MHz Outer Full Ant31



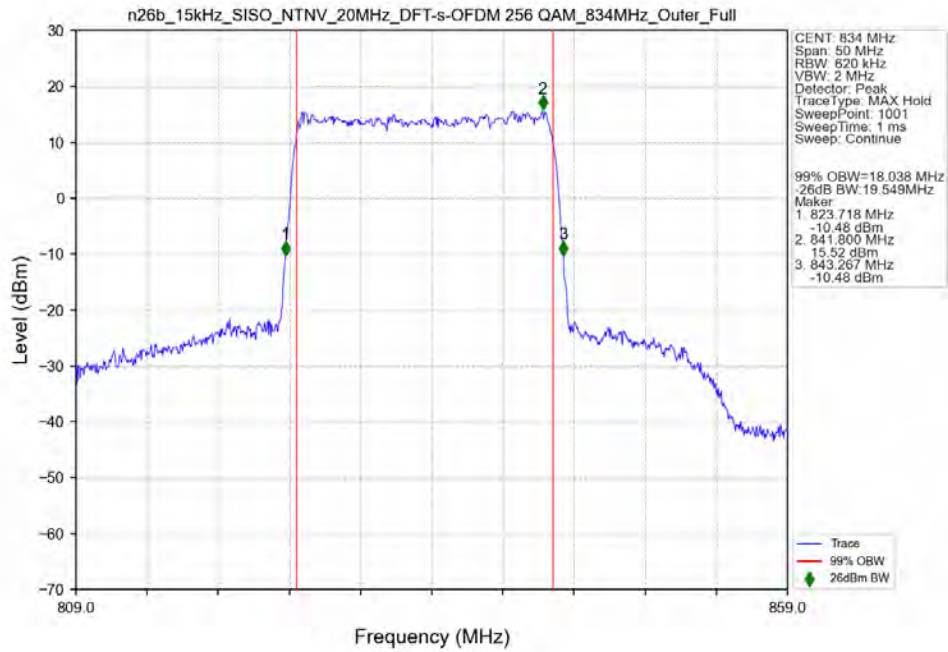
n26b\_15kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM\_64\_QAM\_836.5MHz\_Outer\_Full\_Ant31



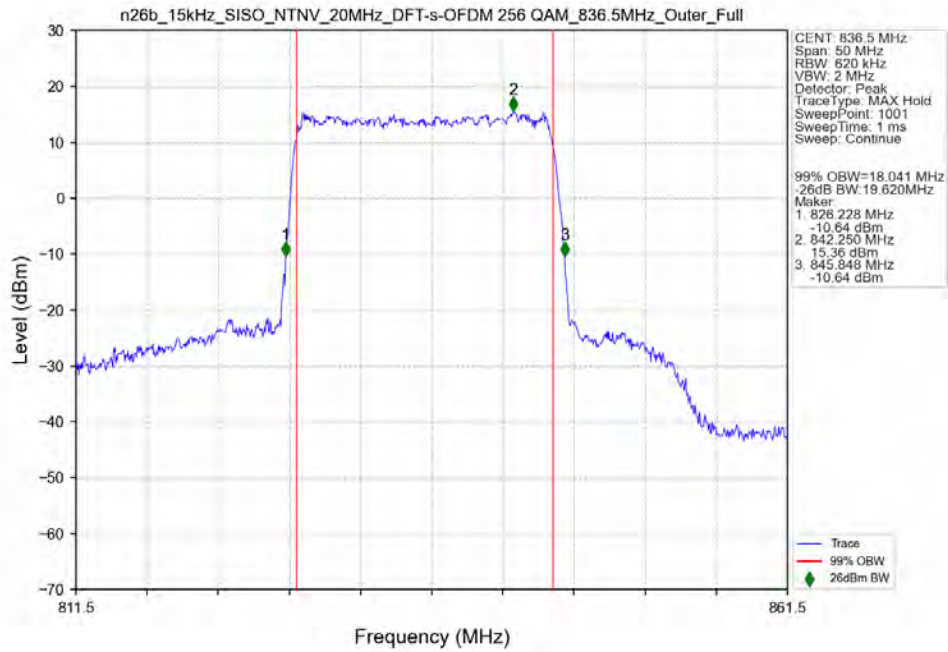
n26b\_15kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM\_64\_QAM\_839MHz\_Outer\_Full\_Ant31



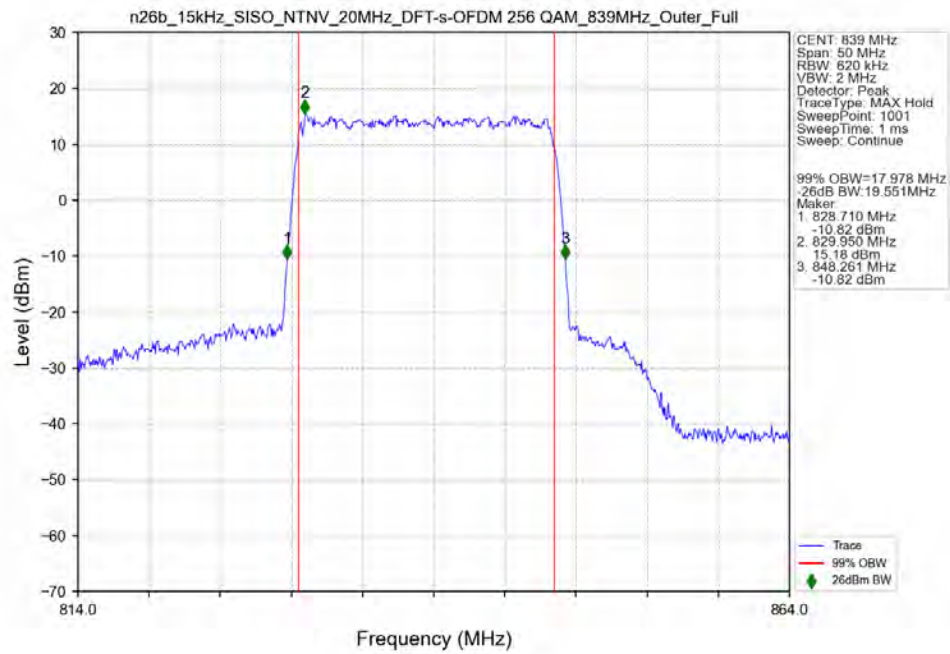
n26b\_15kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM\_256\_QAM\_834MHz\_Outer\_Full\_Ant31



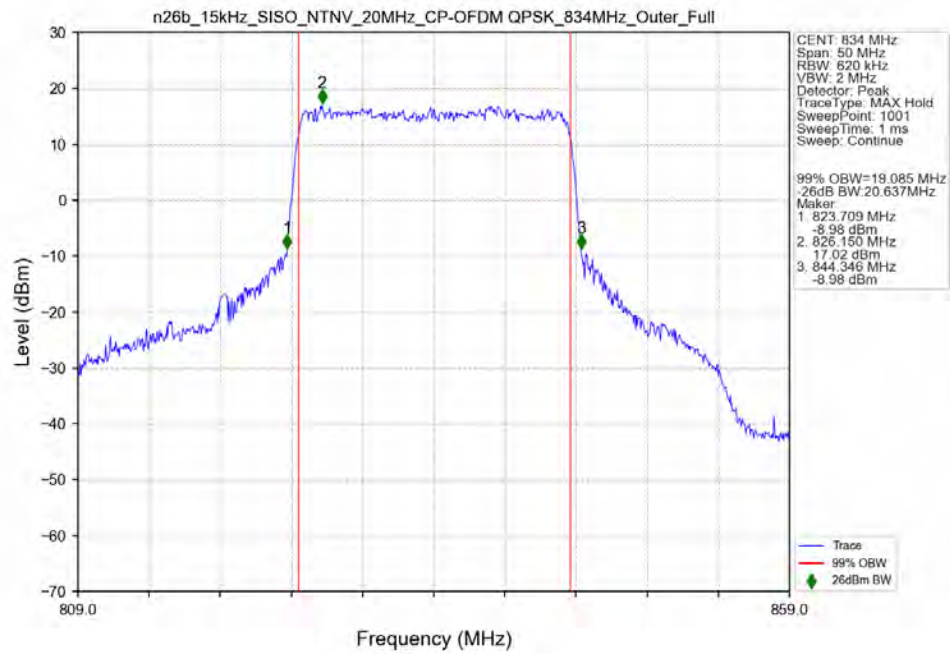
n26b\_15kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM\_256\_QAM\_836.5MHz\_Outer\_Full\_Ant31



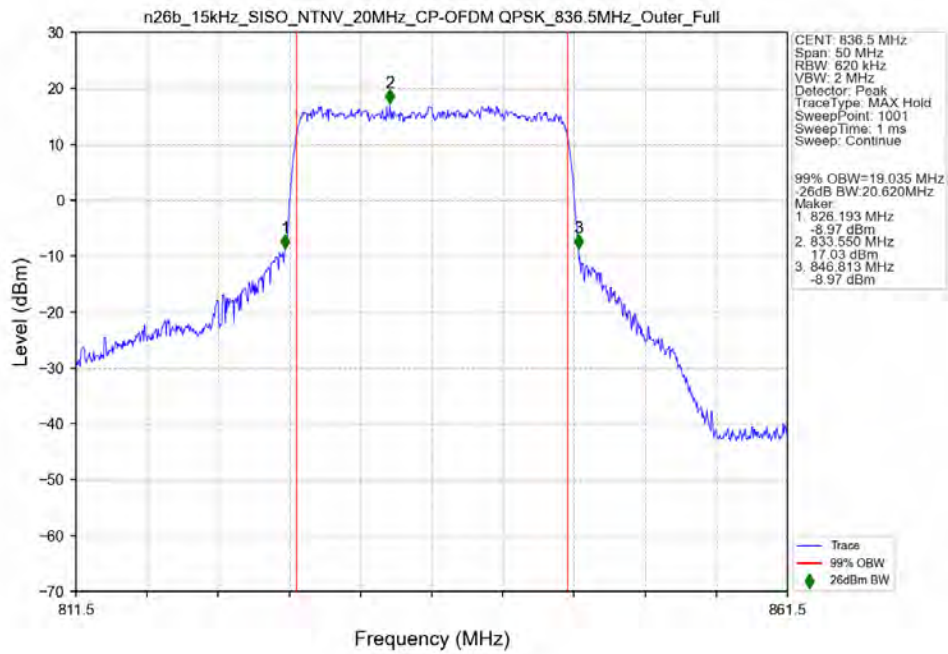
# n26b\_15kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM\_256\_QAM\_839MHz\_Outer\_Full\_Ant31



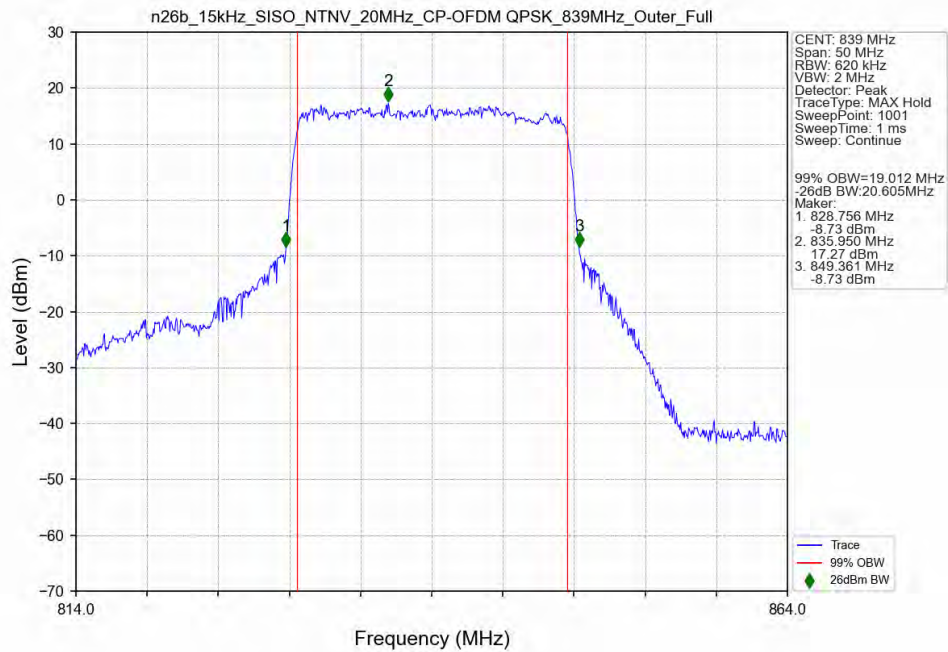
# n26b\_15kHz\_SISO\_NTNV\_20MHz\_CP-OFDM\_QPSK\_834MHz\_Outer\_Full\_Ant31



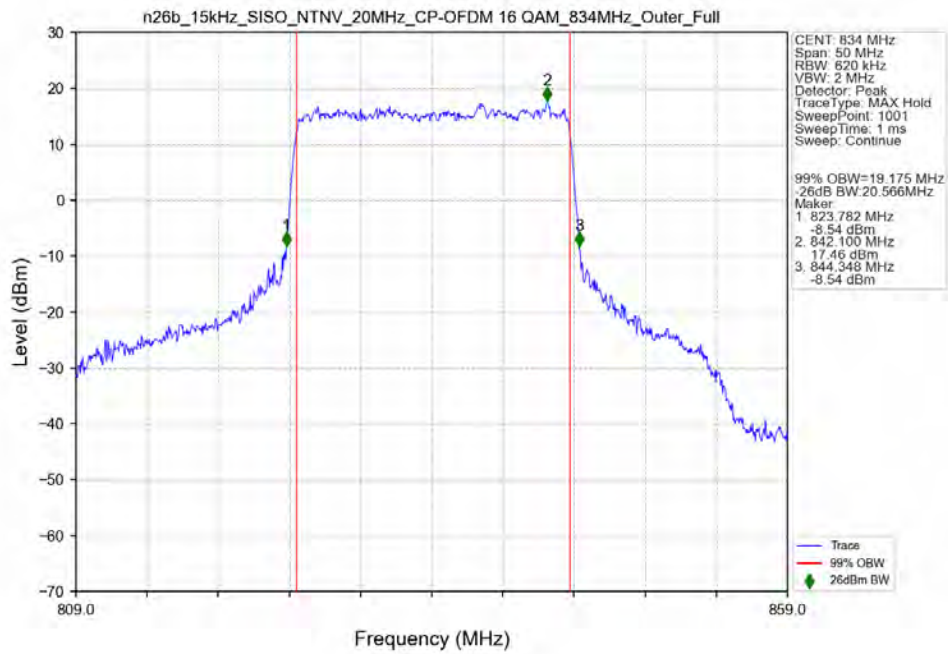
n26b 15kHz SISO NTN 20MHz CP-OFDM QPSK 836.5MHz Outer Full Ant31



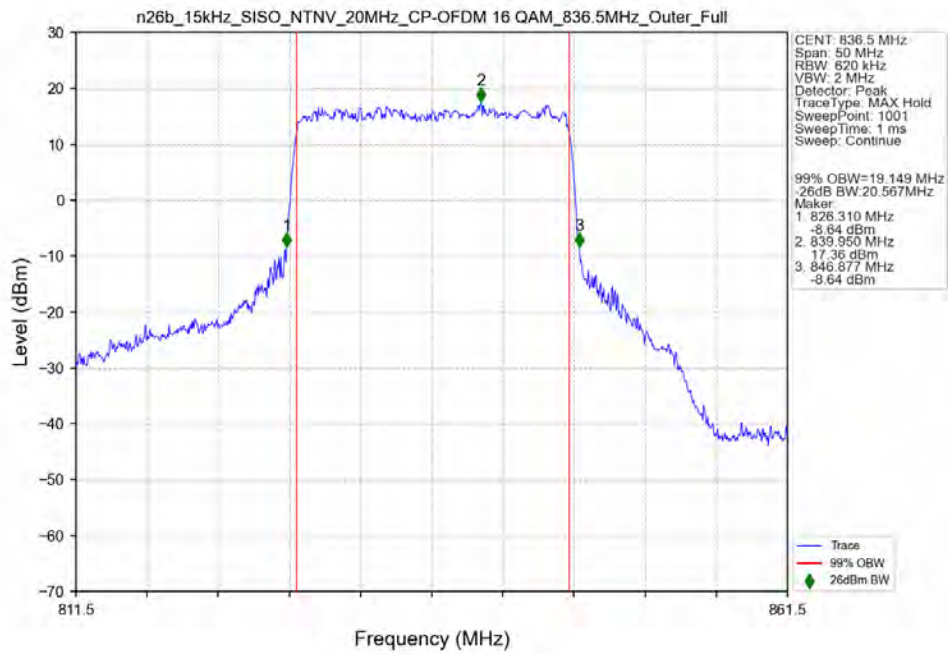
n26b 15kHz SISO NTN 20MHz CP-OFDM QPSK 839MHz Outer Full Ant31



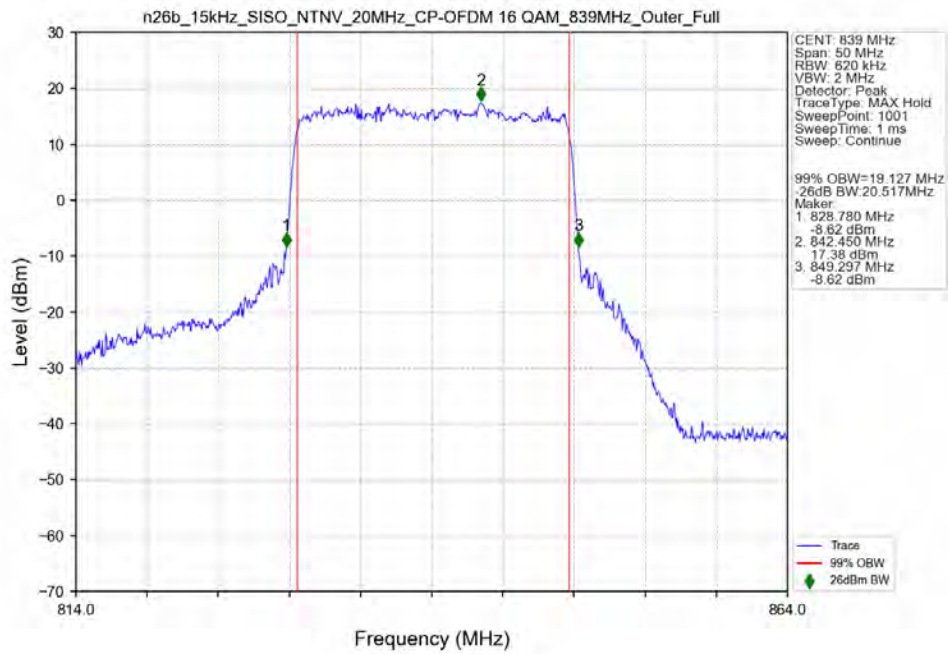
n26b\_15kHz\_SISO\_NTNV\_20MHz\_CP-OFDM\_16\_QAM\_834MHz\_Outer\_Full\_Ant31



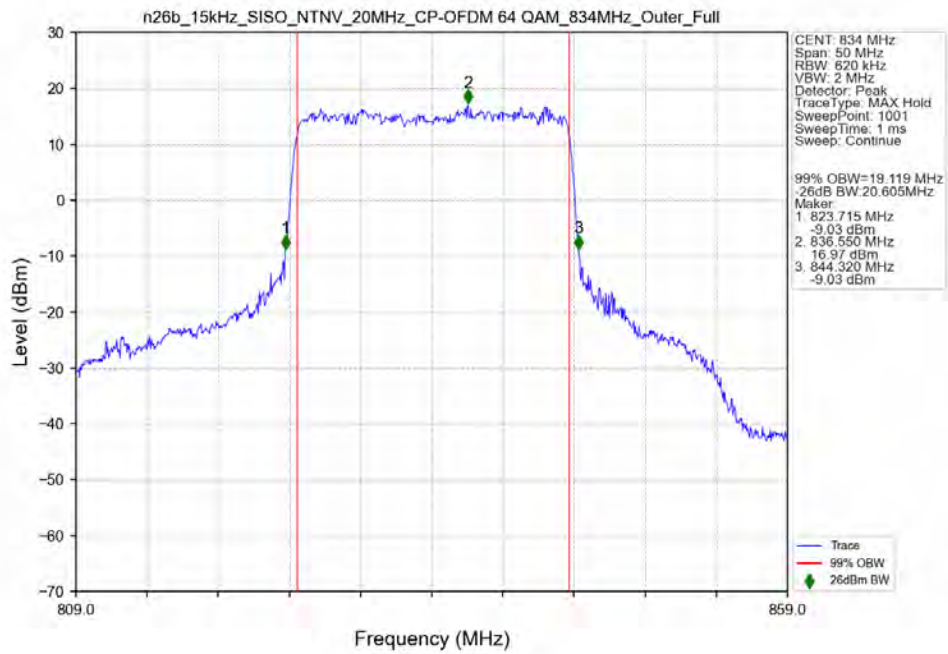
n26b\_15kHz\_SISO\_NTNV\_20MHz\_CP-OFDM\_16\_QAM\_836.5MHz\_Outer\_Full\_Ant31



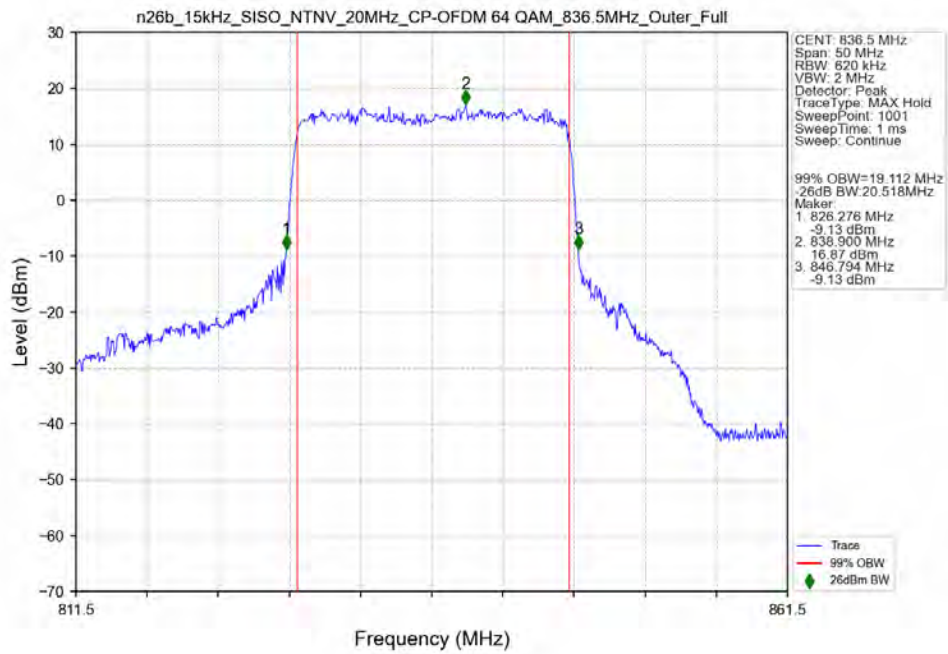
n26b\_15kHz\_SISO\_NTNV\_20MHz\_CP-OFDM\_16\_QAM\_839MHz\_Outer\_Full\_Ant31



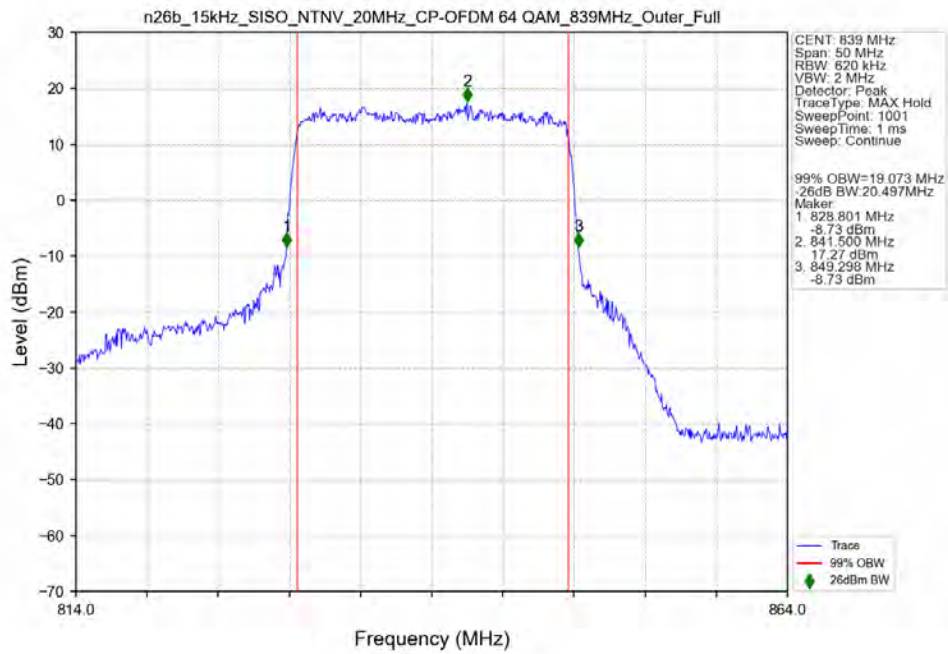
n26b\_15kHz\_SISO\_NTNV\_20MHz\_CP-OFDM\_64\_QAM\_834MHz\_Outer\_Full\_Ant31



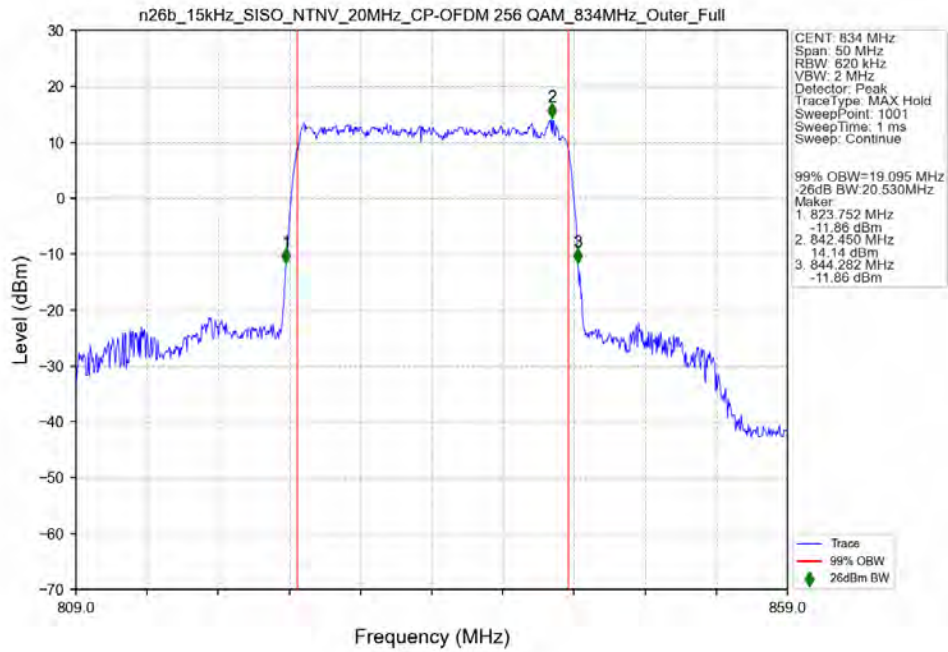
n26b\_15kHz\_SISO\_NTNV\_20MHz\_CP-OFDM\_64\_QAM\_836.5MHz\_Outer\_Full\_Ant31



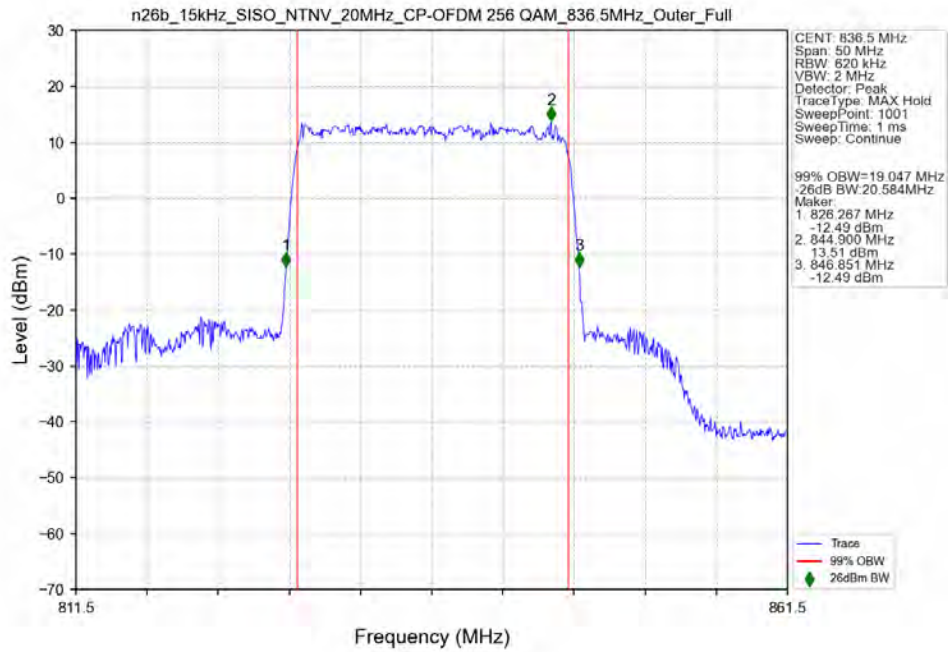
n26b\_15kHz\_SISO\_NTNV\_20MHz\_CP-OFDM\_64\_QAM\_839MHz\_Outer\_Full\_Ant31



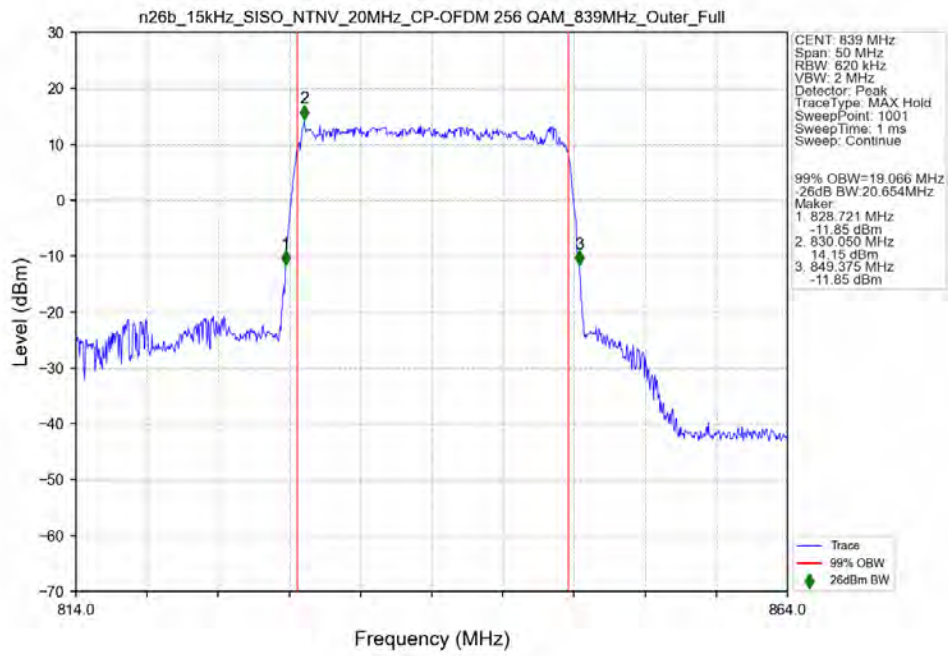
n26b\_15kHz\_SISO\_NTNV\_20MHz\_CP-OFDM\_256\_QAM\_834MHz\_Outer\_Full\_Ant31



n26b\_15kHz\_SISO\_NTNV\_20MHz\_CP-OFDM\_256\_QAM\_836.5MHz\_Outer\_Full\_Ant31



n26b\_15kHz\_SISO\_NTNV\_20MHz\_CP-OFDM\_256\_QAM\_839MHz\_Outer\_Full\_Ant31



## 4. Peak-Average Ratio

### 4.1 Test Result

#### 4.1.1 15k\_SISO\_5MHz\_NTNV

| 5G NR n26b SCS=15kHz SISO 5MHz NTN |                 |               |                         |      |     |       |         |
|------------------------------------|-----------------|---------------|-------------------------|------|-----|-------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation | Peak-Average Ratio (dB) |      |     |       | Verdict |
|                                    |                 |               | Ant31                   | Ant2 | Sum | Limit |         |
| DFT-s-OFDM PI/2 BPSK               | 826.5           | Outer_Full    | 4.06                    | /    | /   | <=13  | Pass    |
|                                    | 836.5           | Outer_Full    | 4.10                    | /    | /   | <=13  | Pass    |
|                                    | 846.5           | Outer_Full    | 4.25                    | /    | /   | <=13  | Pass    |
| DFT-s-OFDM QPSK                    | 826.5           | Outer_Full    | 4.62                    | /    | /   | <=13  | Pass    |
|                                    | 836.5           | Outer_Full    | 4.75                    | /    | /   | <=13  | Pass    |
|                                    | 846.5           | Outer_Full    | 5.02                    | /    | /   | <=13  | Pass    |
| DFT-s-OFDM 16 QAM                  | 826.5           | Outer_Full    | 5.71                    | /    | /   | <=13  | Pass    |
|                                    | 836.5           | Outer_Full    | 5.81                    | /    | /   | <=13  | Pass    |
|                                    | 846.5           | Outer_Full    | 6.02                    | /    | /   | <=13  | Pass    |
| DFT-s-OFDM 64 QAM                  | 826.5           | Outer_Full    | 6.07                    | /    | /   | <=13  | Pass    |
|                                    | 836.5           | Outer_Full    | 6.14                    | /    | /   | <=13  | Pass    |
|                                    | 846.5           | Outer_Full    | 6.25                    | /    | /   | <=13  | Pass    |
| DFT-s-OFDM 256 QAM                 | 826.5           | Outer_Full    | 7.08                    | /    | /   | <=13  | Pass    |
|                                    | 836.5           | Outer_Full    | 7.09                    | /    | /   | <=13  | Pass    |
|                                    | 846.5           | Outer_Full    | 7.11                    | /    | /   | <=13  | Pass    |
| CP-OFDM QPSK                       | 826.5           | Outer_Full    | 6.89                    | /    | /   | <=13  | Pass    |
|                                    | 836.5           | Outer_Full    | 6.90                    | /    | /   | <=13  | Pass    |
|                                    | 846.5           | Outer_Full    | 7.13                    | /    | /   | <=13  | Pass    |
| CP-OFDM 16 QAM                     | 826.5           | Outer_Full    | 6.97                    | /    | /   | <=13  | Pass    |
|                                    | 836.5           | Outer_Full    | 7.06                    | /    | /   | <=13  | Pass    |
|                                    | 846.5           | Outer_Full    | 7.28                    | /    | /   | <=13  | Pass    |
| CP-OFDM 64 QAM                     | 826.5           | Outer_Full    | 7.27                    | /    | /   | <=13  | Pass    |
|                                    | 836.5           | Outer_Full    | 7.36                    | /    | /   | <=13  | Pass    |
|                                    | 846.5           | Outer_Full    | 7.55                    | /    | /   | <=13  | Pass    |
| CP-OFDM 256 QAM                    | 826.5           | Outer_Full    | 8.82                    | /    | /   | <=13  | Pass    |
|                                    | 836.5           | Outer_Full    | 8.86                    | /    | /   | <=13  | Pass    |
|                                    | 846.5           | Outer_Full    | 8.88                    | /    | /   | <=13  | Pass    |

#### 4.1.2 15k\_SISO\_10MHz\_NTNV

| 5G NR n26b SCS=15kHz SISO 10MHz NTN |                 |               |                         |      |     |       |         |
|-------------------------------------|-----------------|---------------|-------------------------|------|-----|-------|---------|
| Modulation                          | Frequency (MHz) | RB Allocation | Peak-Average Ratio (dB) |      |     |       | Verdict |
|                                     |                 |               | Ant31                   | Ant2 | Sum | Limit |         |
| DFT-s-OFDM PI/2 BPSK                | 829             | Outer_Full    | 4.18                    | /    | /   | <=13  | Pass    |
|                                     | 836.5           | Outer_Full    | 4.23                    | /    | /   | <=13  | Pass    |
|                                     | 844             | Outer_Full    | 4.24                    | /    | /   | <=13  | Pass    |
| DFT-s-OFDM QPSK                     | 829             | Outer_Full    | 4.80                    | /    | /   | <=13  | Pass    |
|                                     | 836.5           | Outer_Full    | 4.97                    | /    | /   | <=13  | Pass    |
|                                     | 844             | Outer_Full    | 4.78                    | /    | /   | <=13  | Pass    |
| DFT-s-OFDM 16 QAM                   | 829             | Outer_Full    | 5.80                    | /    | /   | <=13  | Pass    |
|                                     | 836.5           | Outer_Full    | 5.87                    | /    | /   | <=13  | Pass    |
|                                     | 844             | Outer_Full    | 5.81                    | /    | /   | <=13  | Pass    |
| DFT-s-OFDM 64 QAM                   | 829             | Outer_Full    | 6.17                    | /    | /   | <=13  | Pass    |
|                                     | 836.5           | Outer_Full    | 6.21                    | /    | /   | <=13  | Pass    |
|                                     | 844             | Outer_Full    | 6.25                    | /    | /   | <=13  | Pass    |

|                    |       |            |      |   |   |      |      |
|--------------------|-------|------------|------|---|---|------|------|
| DFT-s-OFDM 256 QAM | 829   | Outer_Full | 7.07 | / | / | <=13 | Pass |
|                    | 836.5 | Outer_Full | 7.08 | / | / | <=13 | Pass |
|                    | 844   | Outer_Full | 7.05 | / | / | <=13 | Pass |
| CP-OFDM QPSK       | 829   | Outer_Full | 7.17 | / | / | <=13 | Pass |
|                    | 836.5 | Outer_Full | 7.18 | / | / | <=13 | Pass |
|                    | 844   | Outer_Full | 7.19 | / | / | <=13 | Pass |
| CP-OFDM 16 QAM     | 829   | Outer_Full | 6.98 | / | / | <=13 | Pass |
|                    | 836.5 | Outer_Full | 7.08 | / | / | <=13 | Pass |
|                    | 844   | Outer_Full | 7.05 | / | / | <=13 | Pass |
| CP-OFDM 64 QAM     | 829   | Outer_Full | 7.44 | / | / | <=13 | Pass |
|                    | 836.5 | Outer_Full | 7.52 | / | / | <=13 | Pass |
|                    | 844   | Outer_Full | 7.51 | / | / | <=13 | Pass |
| CP-OFDM 256 QAM    | 829   | Outer_Full | 8.67 | / | / | <=13 | Pass |
|                    | 836.5 | Outer_Full | 8.62 | / | / | <=13 | Pass |
|                    | 844   | Outer_Full | 8.63 | / | / | <=13 | Pass |

#### 4.1.3 15k\_SISO\_15MHz\_NTNV

| 5G NR n26b SCS=15kHz SISO 15MHz NTN |                 |               |                         |      |     |       |         |
|-------------------------------------|-----------------|---------------|-------------------------|------|-----|-------|---------|
| Modulation                          | Frequency (MHz) | RB Allocation | Peak-Average Ratio (dB) |      |     |       | Verdict |
|                                     |                 |               | Ant31                   | Ant2 | Sum | Limit |         |
| DFT-s-OFDM PI/2 BPSK                | 831.5           | Outer_Full    | 4.08                    | /    | /   | <=13  | Pass    |
|                                     | 836.5           | Outer_Full    | 4.06                    | /    | /   | <=13  | Pass    |
|                                     | 841.5           | Outer_Full    | 4.05                    | /    | /   | <=13  | Pass    |
| DFT-s-OFDM QPSK                     | 831.5           | Outer_Full    | 4.64                    | /    | /   | <=13  | Pass    |
|                                     | 836.5           | Outer_Full    | 4.67                    | /    | /   | <=13  | Pass    |
|                                     | 841.5           | Outer_Full    | 4.66                    | /    | /   | <=13  | Pass    |
| DFT-s-OFDM 16 QAM                   | 831.5           | Outer_Full    | 5.65                    | /    | /   | <=13  | Pass    |
|                                     | 836.5           | Outer_Full    | 5.66                    | /    | /   | <=13  | Pass    |
|                                     | 841.5           | Outer_Full    | 5.61                    | /    | /   | <=13  | Pass    |
| DFT-s-OFDM 64 QAM                   | 831.5           | Outer_Full    | 6.05                    | /    | /   | <=13  | Pass    |
|                                     | 836.5           | Outer_Full    | 6.06                    | /    | /   | <=13  | Pass    |
|                                     | 841.5           | Outer_Full    | 6.07                    | /    | /   | <=13  | Pass    |
| DFT-s-OFDM 256 QAM                  | 831.5           | Outer_Full    | 6.94                    | /    | /   | <=13  | Pass    |
|                                     | 836.5           | Outer_Full    | 6.92                    | /    | /   | <=13  | Pass    |
|                                     | 841.5           | Outer_Full    | 6.87                    | /    | /   | <=13  | Pass    |
| CP-OFDM QPSK                        | 831.5           | Outer_Full    | 6.82                    | /    | /   | <=13  | Pass    |
|                                     | 836.5           | Outer_Full    | 6.85                    | /    | /   | <=13  | Pass    |
|                                     | 841.5           | Outer_Full    | 6.88                    | /    | /   | <=13  | Pass    |
| CP-OFDM 16 QAM                      | 831.5           | Outer_Full    | 6.76                    | /    | /   | <=13  | Pass    |
|                                     | 836.5           | Outer_Full    | 6.88                    | /    | /   | <=13  | Pass    |
|                                     | 841.5           | Outer_Full    | 6.79                    | /    | /   | <=13  | Pass    |
| CP-OFDM 64 QAM                      | 831.5           | Outer_Full    | 7.22                    | /    | /   | <=13  | Pass    |
|                                     | 836.5           | Outer_Full    | 7.30                    | /    | /   | <=13  | Pass    |
|                                     | 841.5           | Outer_Full    | 7.28                    | /    | /   | <=13  | Pass    |
| CP-OFDM 256 QAM                     | 831.5           | Outer_Full    | 8.85                    | /    | /   | <=13  | Pass    |
|                                     | 836.5           | Outer_Full    | 8.86                    | /    | /   | <=13  | Pass    |
|                                     | 841.5           | Outer_Full    | 8.86                    | /    | /   | <=13  | Pass    |

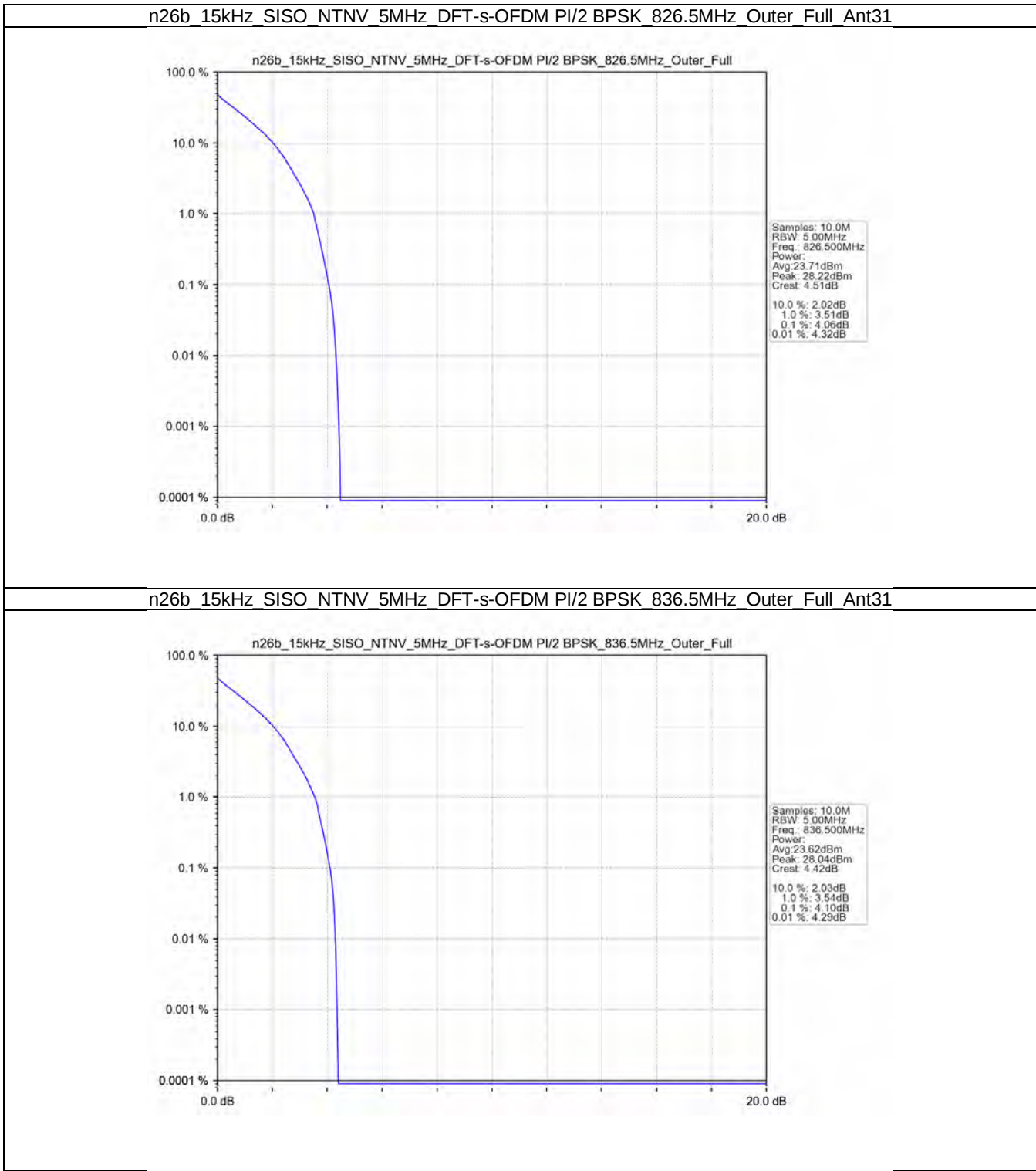
#### 4.1.4 15k\_SISO\_20MHz\_NTNV

| 5G NR n26b SCS=15kHz SISO 20MHz NTN |                 |               |                         |      |     |       |         |
|-------------------------------------|-----------------|---------------|-------------------------|------|-----|-------|---------|
| Modulation                          | Frequency (MHz) | RB Allocation | Peak-Average Ratio (dB) |      |     |       | Verdict |
|                                     |                 |               | Ant31                   | Ant2 | Sum | Limit |         |
| DFT-s-OFDM PI/2 BPSK                | 834             | Outer_Full    | 4.04                    | /    | /   | <=13  | Pass    |
|                                     | 836.5           | Outer_Full    | 4.12                    | /    | /   | <=13  | Pass    |

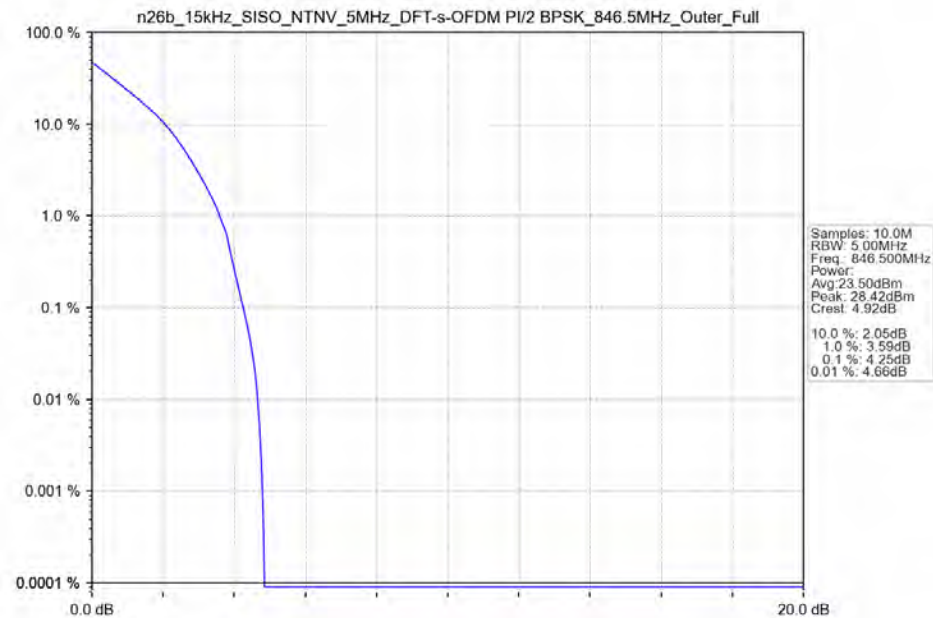
|                    |       |            |      |   |   |      |      |
|--------------------|-------|------------|------|---|---|------|------|
|                    | 839   | Outer Full | 4.11 | / | / | <=13 | Pass |
| DFT-s-OFDM QPSK    | 834   | Outer Full | 4.97 | / | / | <=13 | Pass |
|                    | 836.5 | Outer Full | 4.86 | / | / | <=13 | Pass |
|                    | 839   | Outer Full | 4.83 | / | / | <=13 | Pass |
| DFT-s-OFDM 16 QAM  | 834   | Outer Full | 5.53 | / | / | <=13 | Pass |
|                    | 836.5 | Outer Full | 5.69 | / | / | <=13 | Pass |
|                    | 839   | Outer Full | 5.74 | / | / | <=13 | Pass |
| DFT-s-OFDM 64 QAM  | 834   | Outer Full | 6.07 | / | / | <=13 | Pass |
|                    | 836.5 | Outer Full | 6.04 | / | / | <=13 | Pass |
|                    | 839   | Outer Full | 6.14 | / | / | <=13 | Pass |
| DFT-s-OFDM 256 QAM | 834   | Outer Full | 6.89 | / | / | <=13 | Pass |
|                    | 836.5 | Outer Full | 6.89 | / | / | <=13 | Pass |
|                    | 839   | Outer Full | 6.85 | / | / | <=13 | Pass |
| CP-OFDM QPSK       | 834   | Outer Full | 6.84 | / | / | <=13 | Pass |
|                    | 836.5 | Outer Full | 6.72 | / | / | <=13 | Pass |
|                    | 839   | Outer Full | 6.73 | / | / | <=13 | Pass |
| CP-OFDM 16 QAM     | 834   | Outer Full | 6.73 | / | / | <=13 | Pass |
|                    | 836.5 | Outer Full | 6.76 | / | / | <=13 | Pass |
|                    | 839   | Outer Full | 7.01 | / | / | <=13 | Pass |
| CP-OFDM 64 QAM     | 834   | Outer Full | 7.15 | / | / | <=13 | Pass |
|                    | 836.5 | Outer Full | 7.16 | / | / | <=13 | Pass |
|                    | 839   | Outer Full | 7.12 | / | / | <=13 | Pass |
| CP-OFDM 256 QAM    | 834   | Outer Full | 8.83 | / | / | <=13 | Pass |
|                    | 836.5 | Outer Full | 8.84 | / | / | <=13 | Pass |
|                    | 839   | Outer Full | 8.82 | / | / | <=13 | Pass |

# 4.2 Test Graph

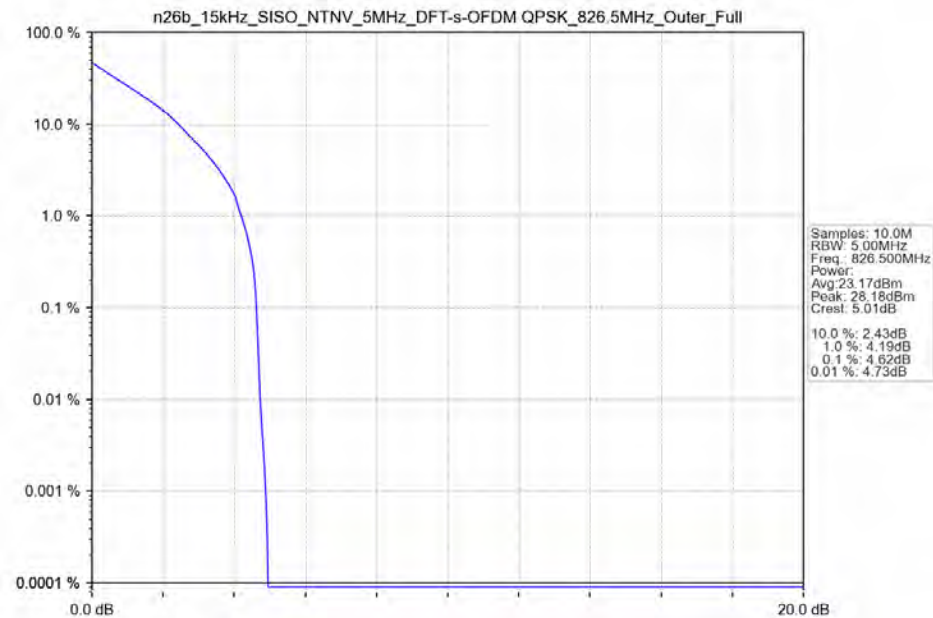
## 4.2.1 15k\_SISO\_5MHz\_NTNV



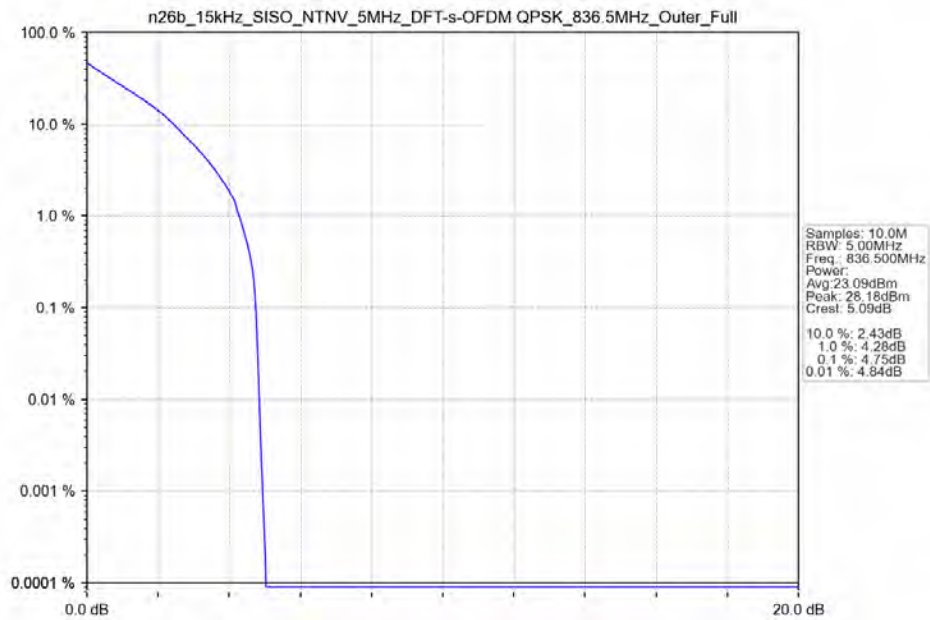
n26b 15kHz SISO NTN 5MHz DFT-s-OFDM PI/2 BPSK 846.5MHz Outer Full Ant31



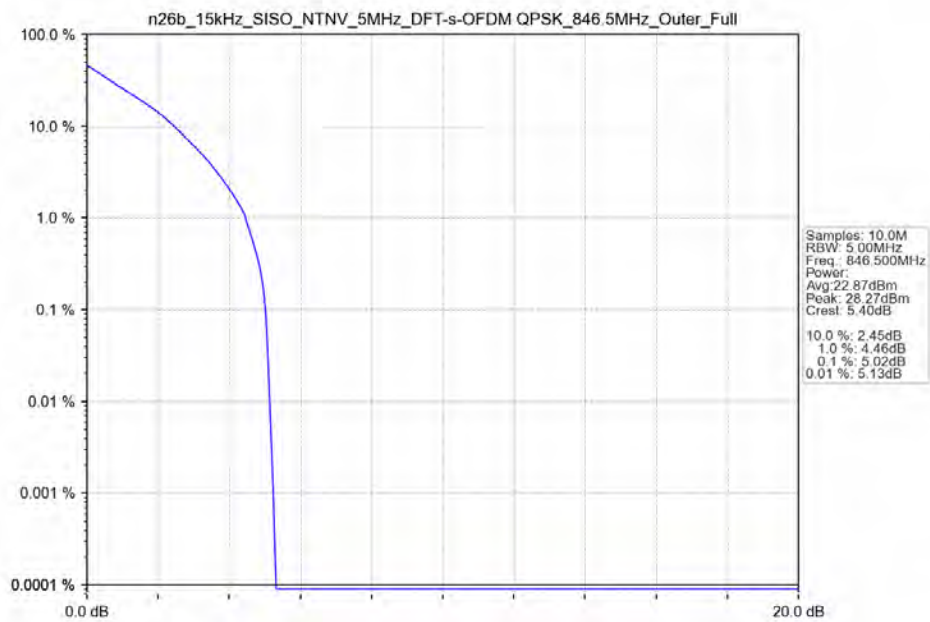
n26b 15kHz SISO NTN 5MHz DFT-s-OFDM QPSK 826.5MHz Outer Full Ant31



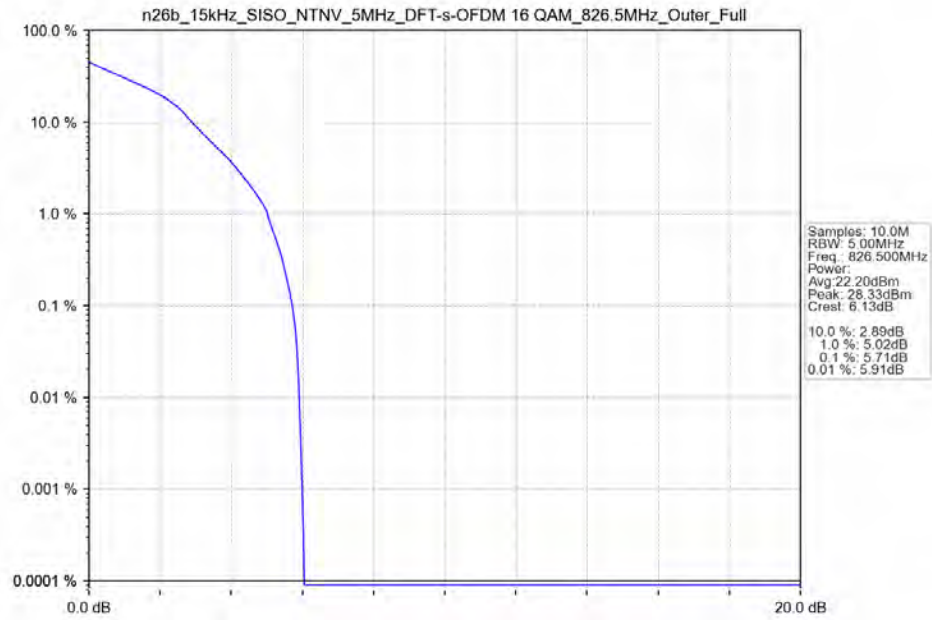
n26b\_15kHz\_SISO\_NTNV\_5MHz\_DFT-s-OFDM\_QPSK\_836.5MHz\_Outer\_Full\_Ant31



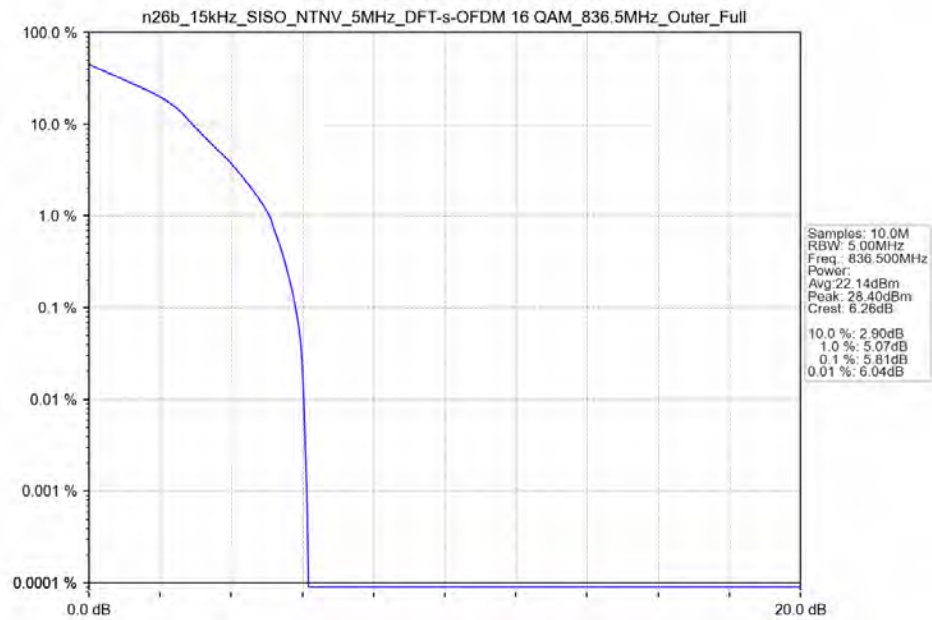
n26b\_15kHz\_SISO\_NTNV\_5MHz\_DFT-s-OFDM\_QPSK\_846.5MHz\_Outer\_Full\_Ant31



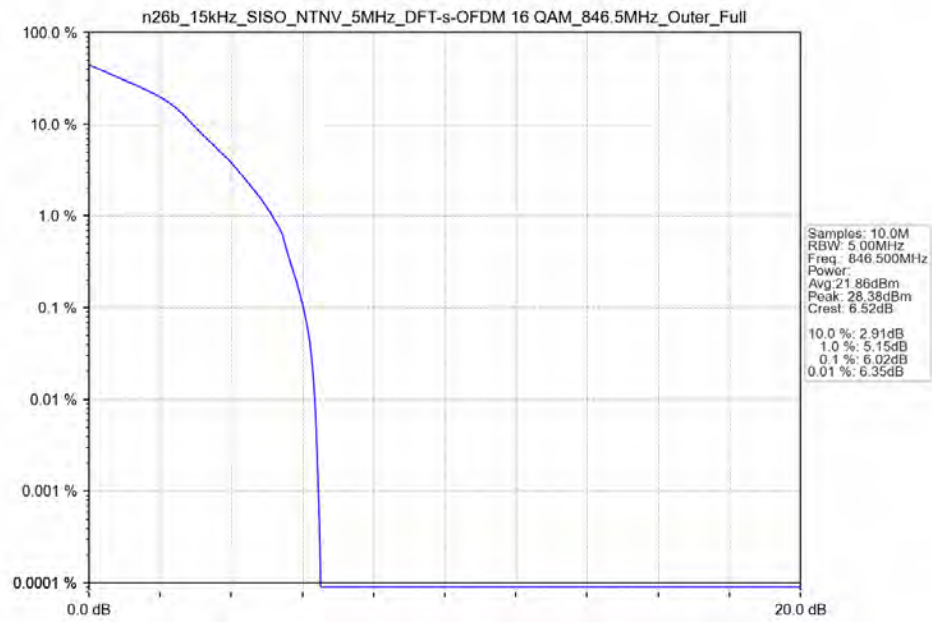
n26b 15kHz SISO NTN 5MHz DFT-s-OFDM 16 QAM 826.5MHz Outer Full Ant31



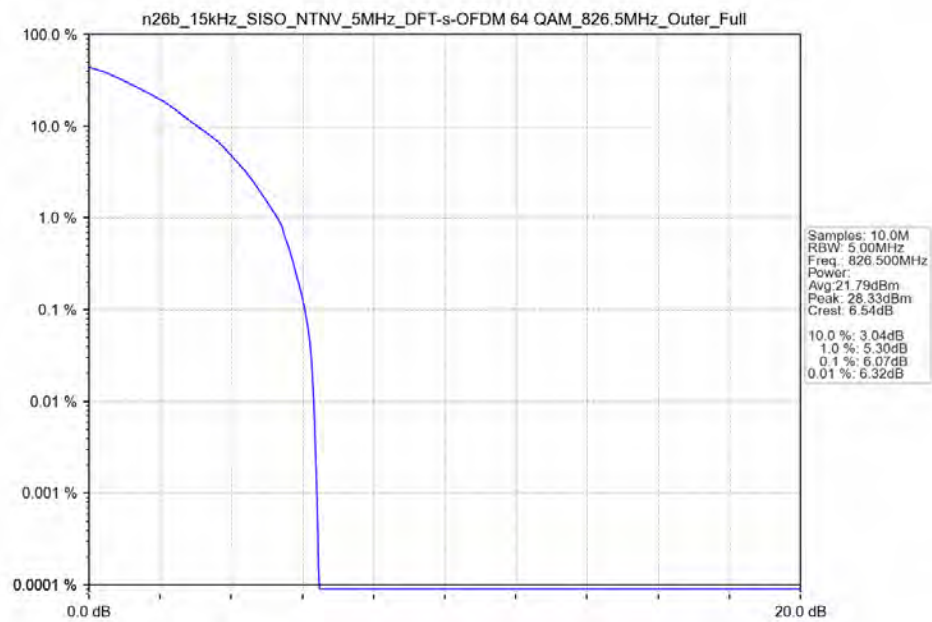
n26b 15kHz SISO NTN 5MHz DFT-s-OFDM 16 QAM 836.5MHz Outer Full Ant31



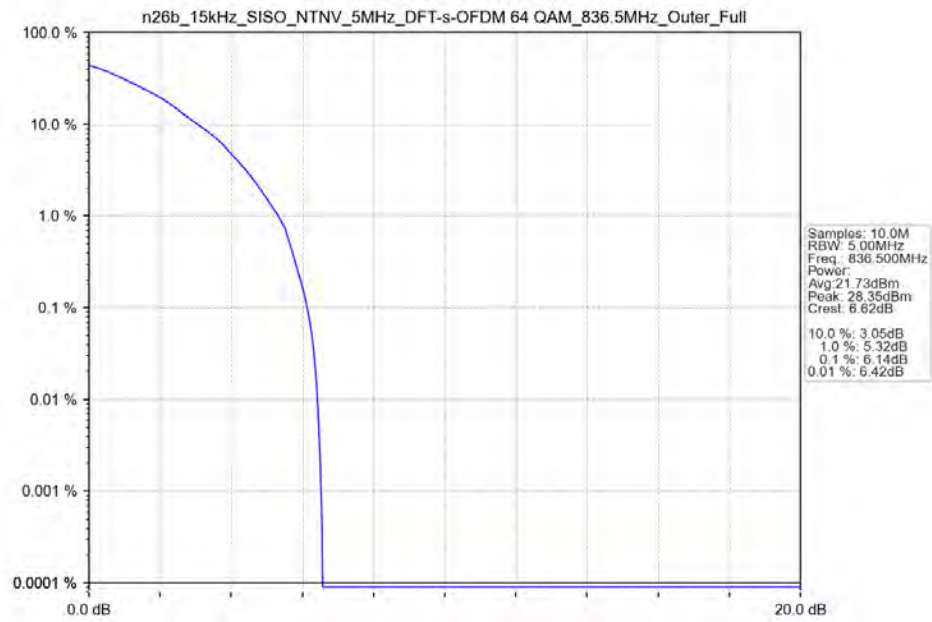
n26b 15kHz SISO NTN 5MHz DFT-s-OFDM 16 QAM 846.5MHz Outer Full Ant31



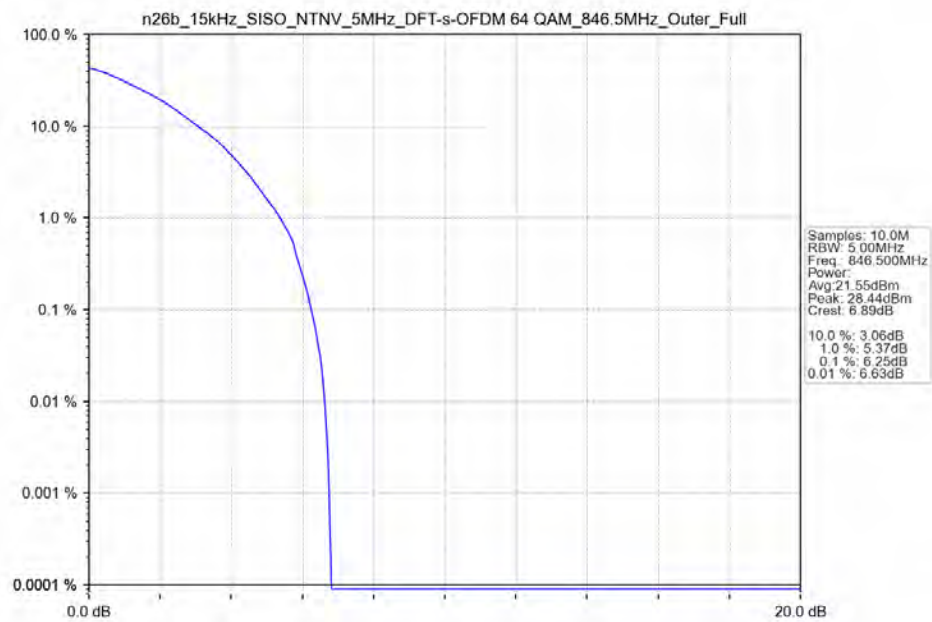
n26b 15kHz SISO NTN 5MHz DFT-s-OFDM 64 QAM 826.5MHz Outer Full Ant31



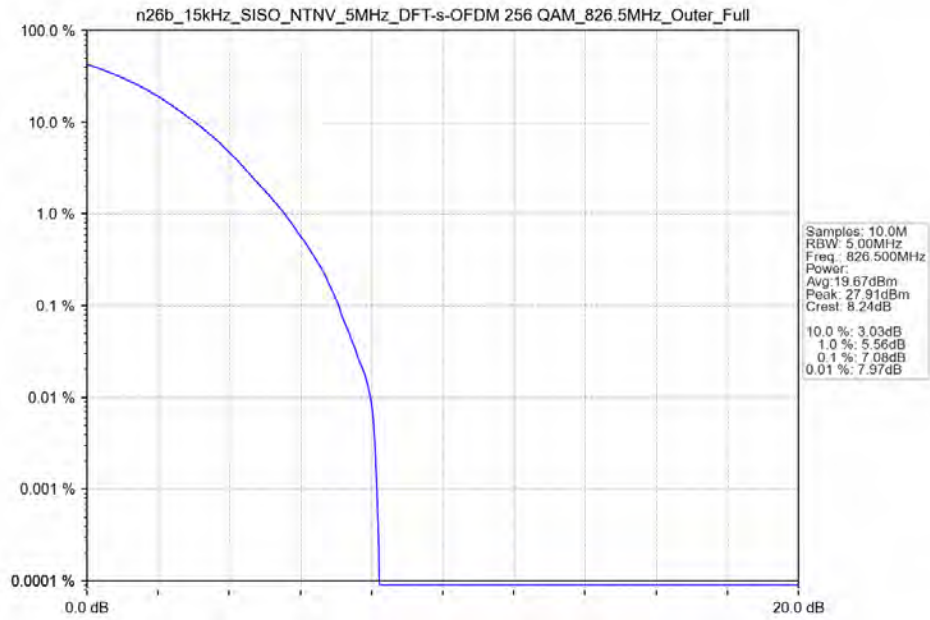
n26b 15kHz SISO NTN 5MHz DFT-s-OFDM 64 QAM 836.5MHz Outer Full Ant31



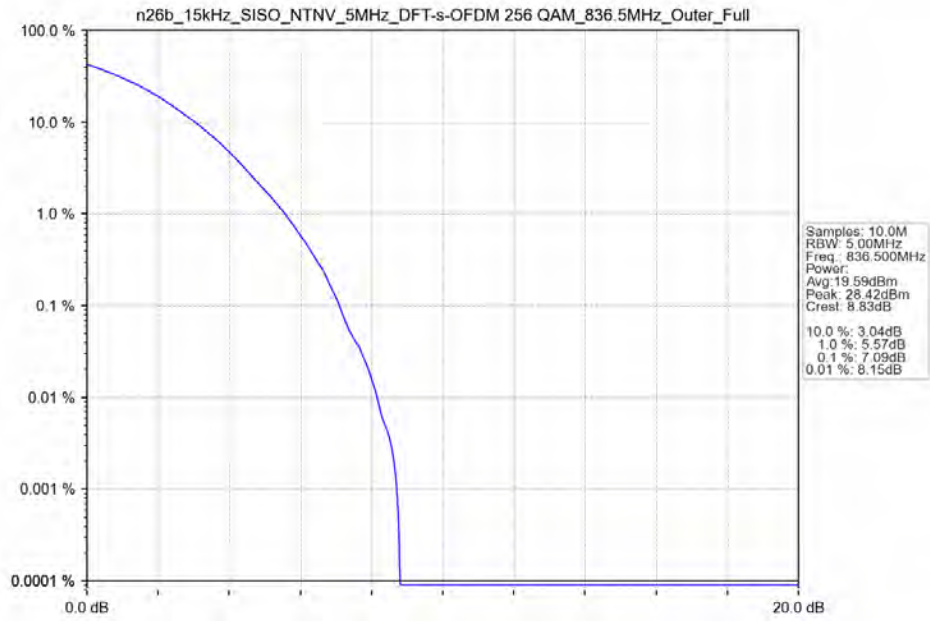
n26b 15kHz SISO NTN 5MHz DFT-s-OFDM 64 QAM 846.5MHz Outer Full Ant31



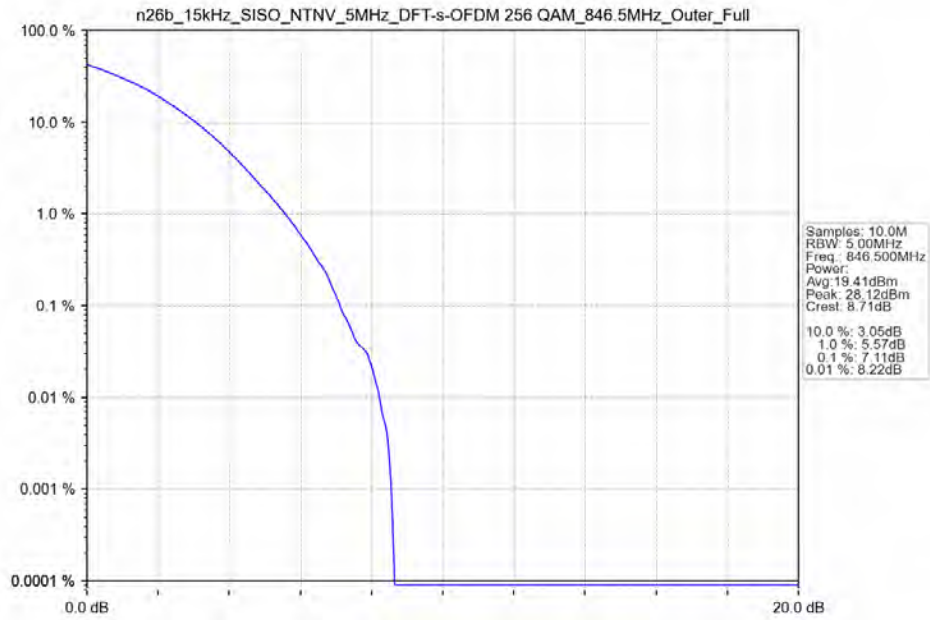
n26b\_15kHz\_SISO\_NTNV\_5MHz\_DFT-s-OFDM\_256\_QAM\_826.5MHz\_Outer\_Full\_Ant31



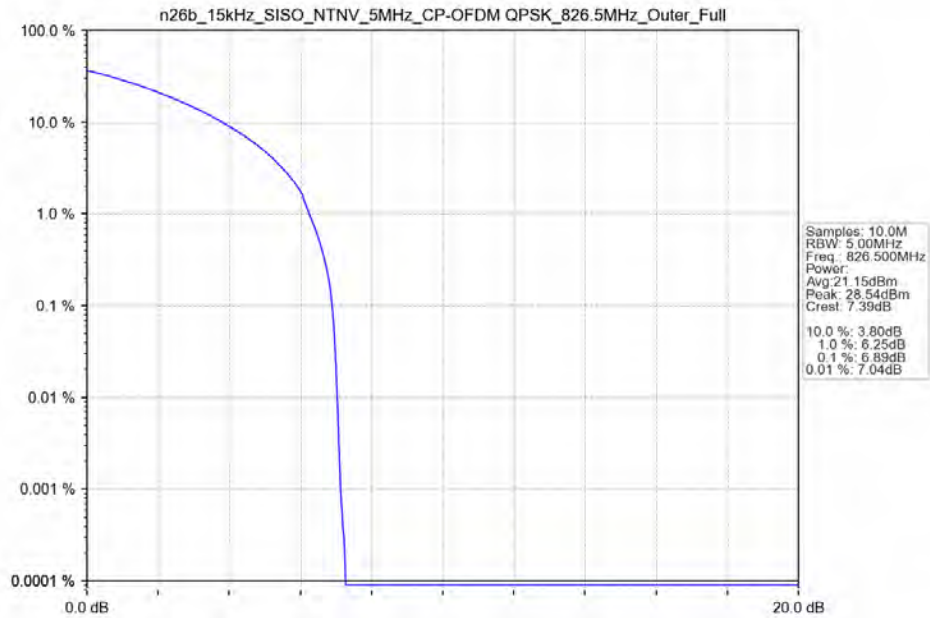
n26b\_15kHz\_SISO\_NTNV\_5MHz\_DFT-s-OFDM\_256\_QAM\_836.5MHz\_Outer\_Full\_Ant31



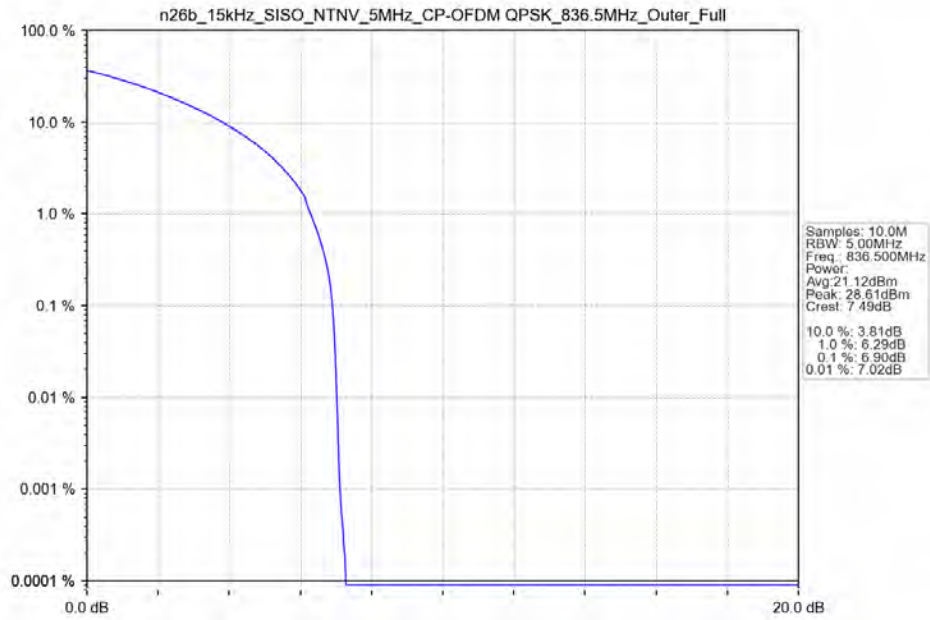
n26b\_15kHz\_SISO\_NTNV\_5MHz\_DFT-s-OFDM\_256\_QAM\_846.5MHz\_Outer\_Full\_Ant31



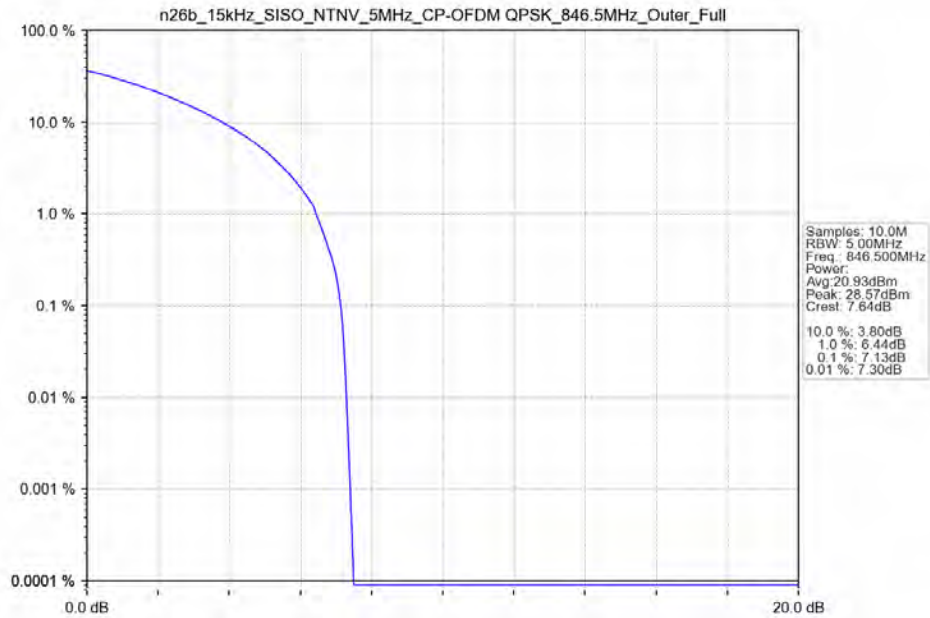
n26b\_15kHz\_SISO\_NTNV\_5MHz\_CP-OFDM\_QPSK\_826.5MHz\_Outer\_Full\_Ant31



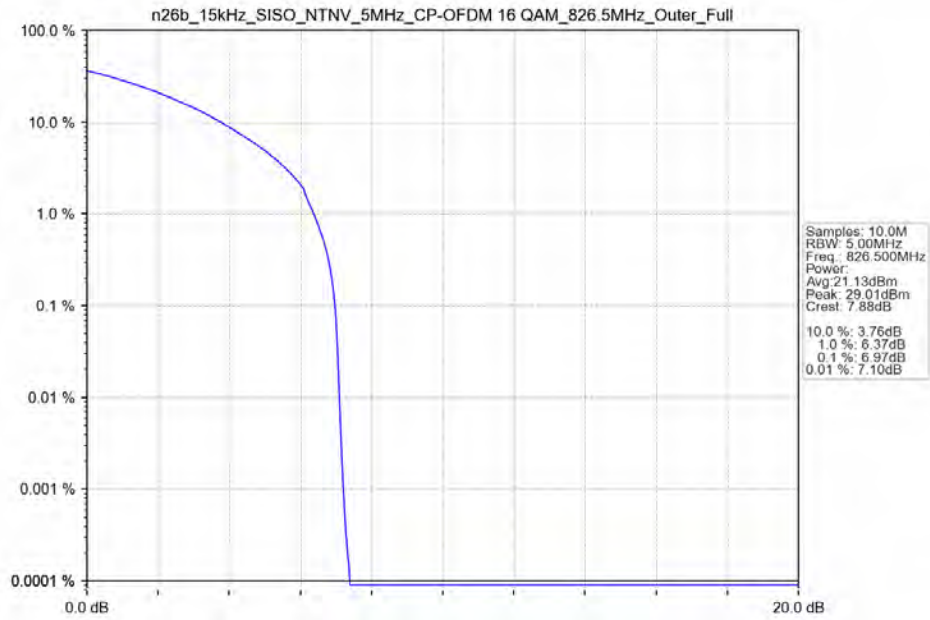
n26b\_15kHz\_SISO\_NTNV\_5MHz\_CP-OFDM\_QPSK\_836.5MHz\_Outer\_Full\_Ant31



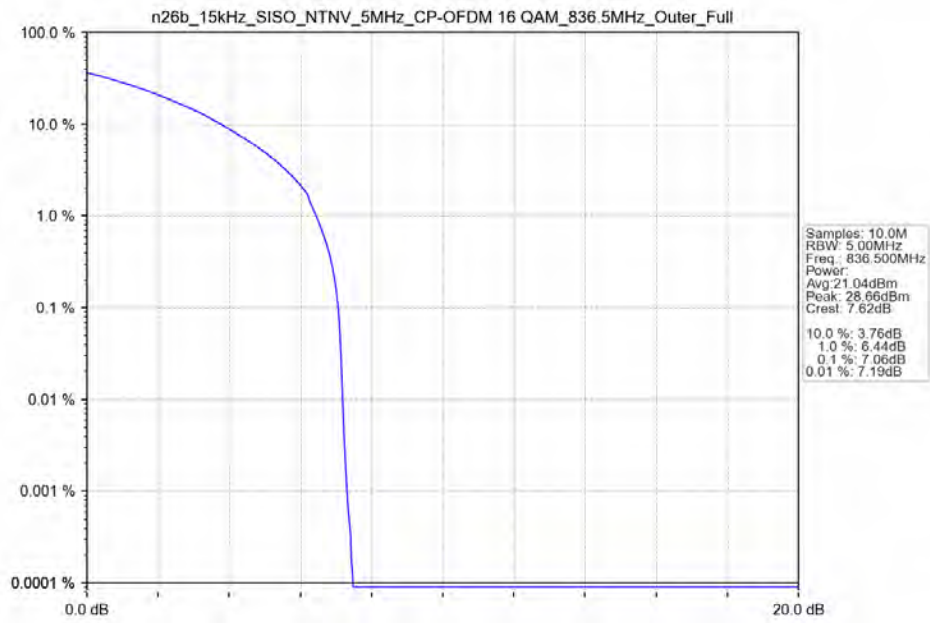
n26b\_15kHz\_SISO\_NTNV\_5MHz\_CP-OFDM\_QPSK\_846.5MHz\_Outer\_Full\_Ant31



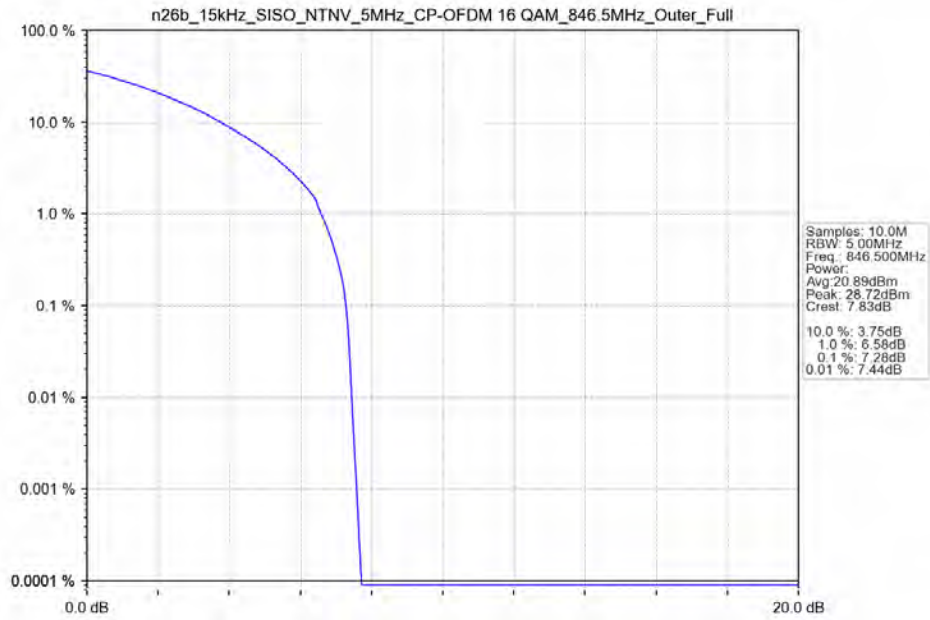
n26b 15kHz SISO NTN 5MHz CP-OFDM 16 QAM 826.5MHz Outer Full Ant31



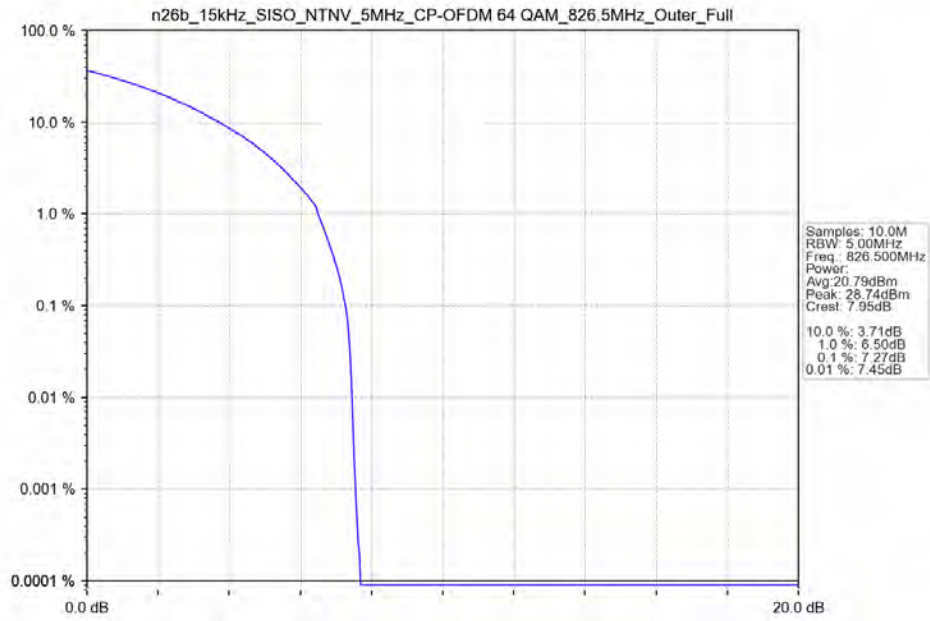
n26b 15kHz SISO NTN 5MHz CP-OFDM 16 QAM 836.5MHz Outer Full Ant31



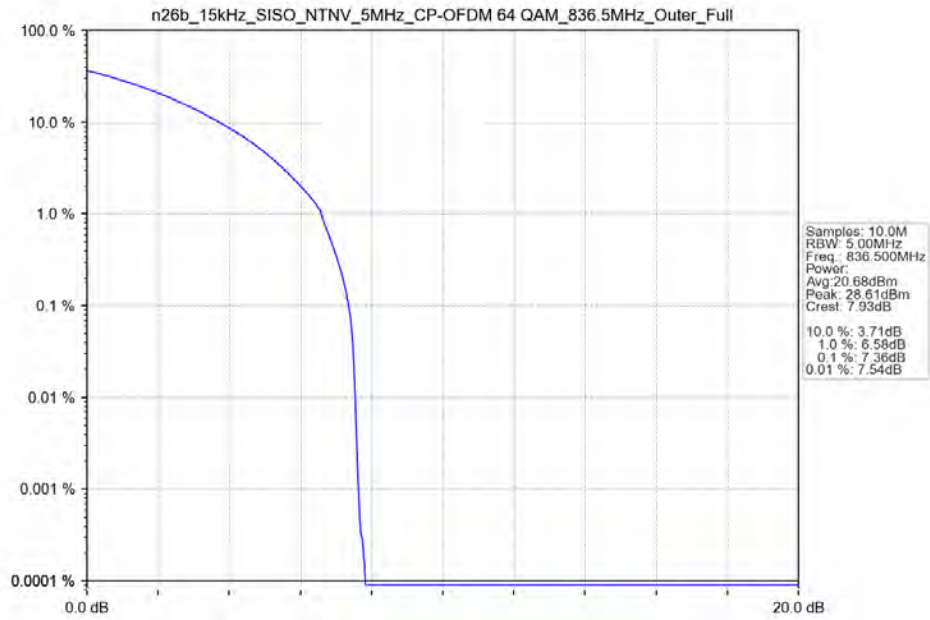
n26b 15kHz SISO NTN 5MHz CP-OFDM 16 QAM 846.5MHz Outer Full Ant31



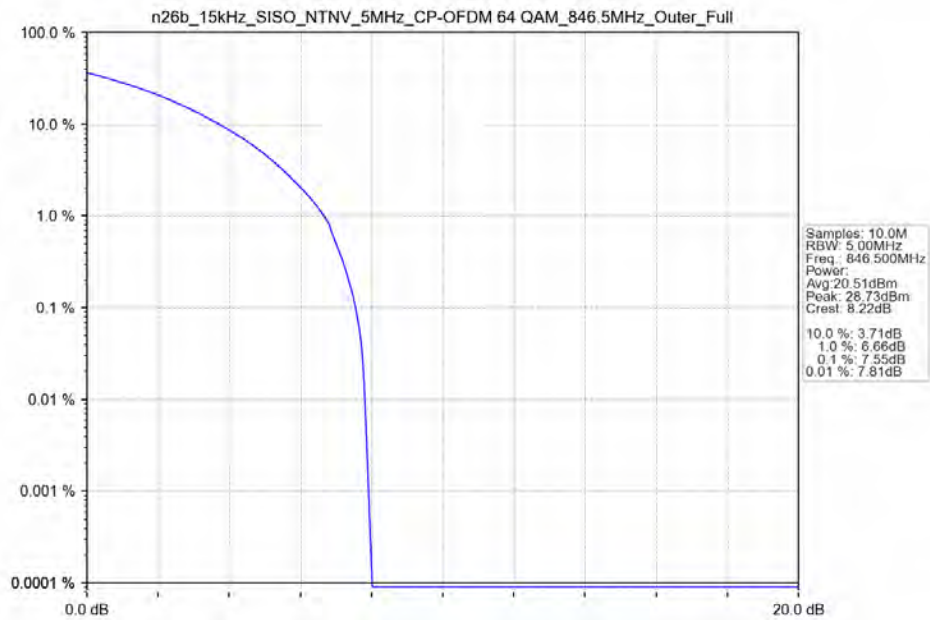
n26b 15kHz SISO NTN 5MHz CP-OFDM 64 QAM 826.5MHz Outer Full Ant31



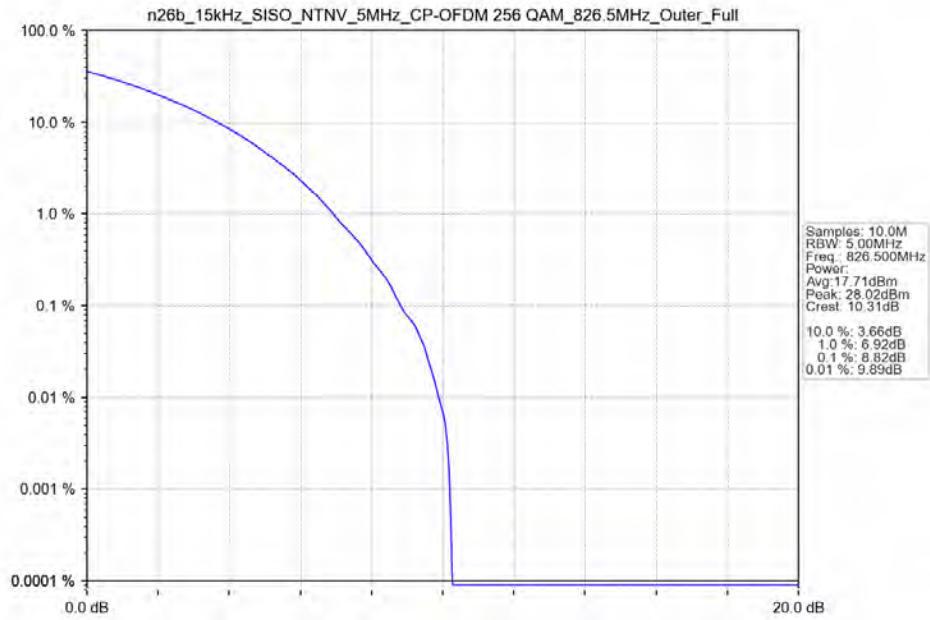
n26b 15kHz SISO NTN 5MHz CP-OFDM 64 QAM 836.5MHz Outer Full Ant31



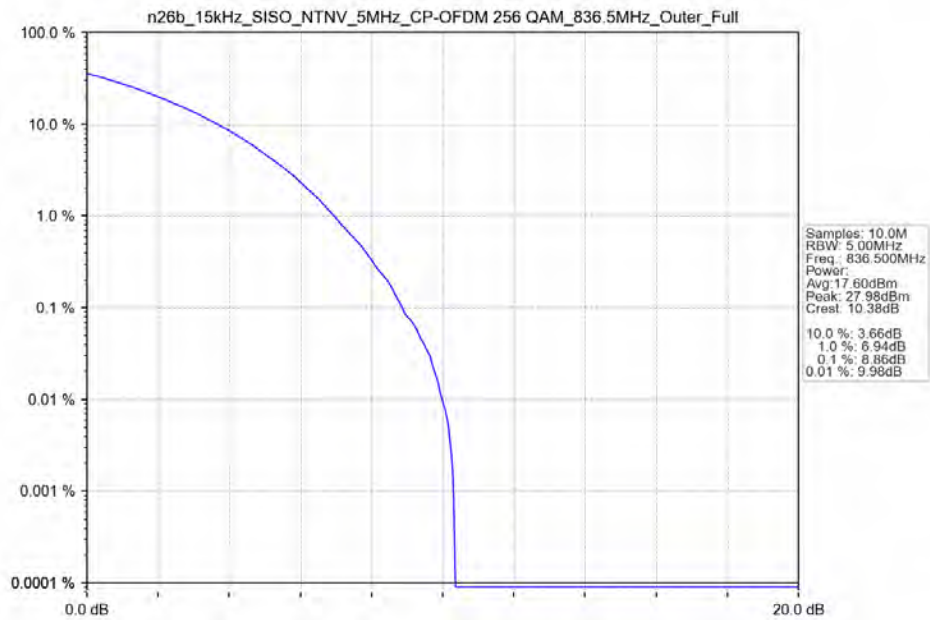
n26b 15kHz SISO NTN 5MHz CP-OFDM 64 QAM 846.5MHz Outer Full Ant31



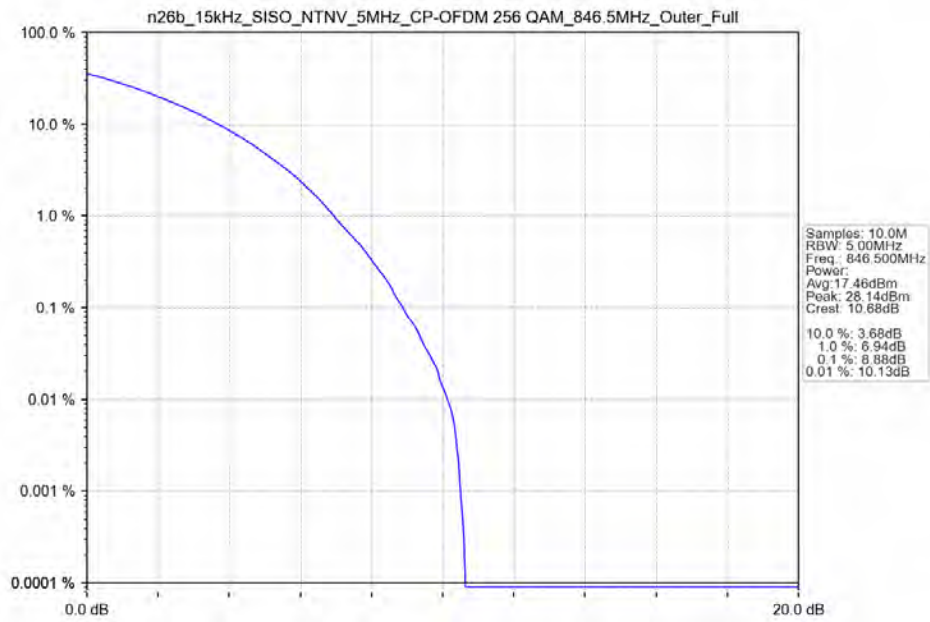
n26b\_15kHz\_SISO\_NTNV\_5MHz\_CP-OFDM\_256\_QAM\_826.5MHz\_Outer\_Full\_Ant31



n26b\_15kHz\_SISO\_NTNV\_5MHz\_CP-OFDM\_256\_QAM\_836.5MHz\_Outer\_Full\_Ant31

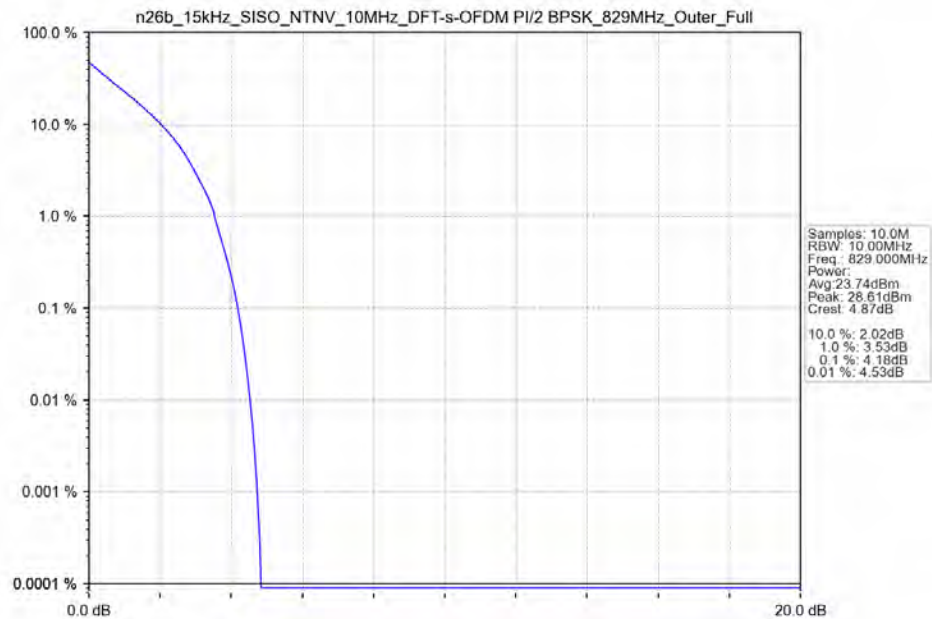


n26b\_15kHz\_SISO\_NTNV\_5MHz\_CP-OFDM\_256\_QAM\_846.5MHz\_Outer\_Full\_Ant31

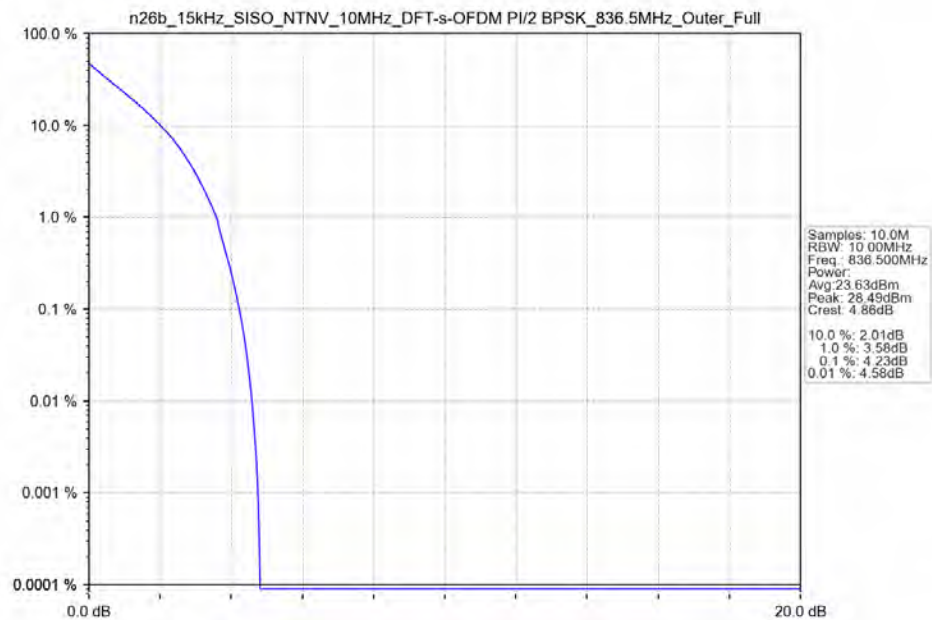


4.2.2 15k\_SISO\_10MHz\_NTNV

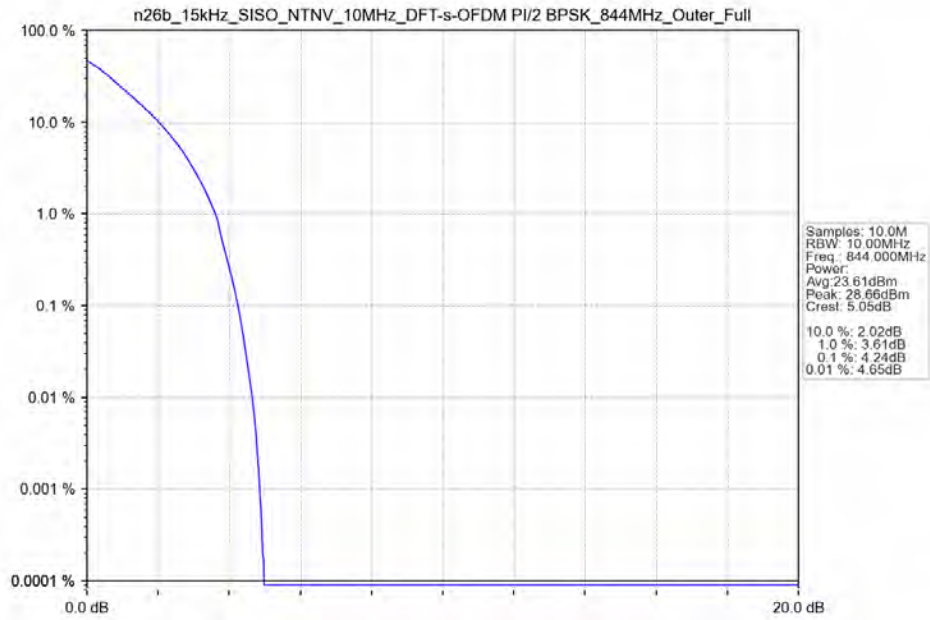
n26b\_15kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM PI/2 BPSK\_829MHz\_Outer\_Full\_Ant31



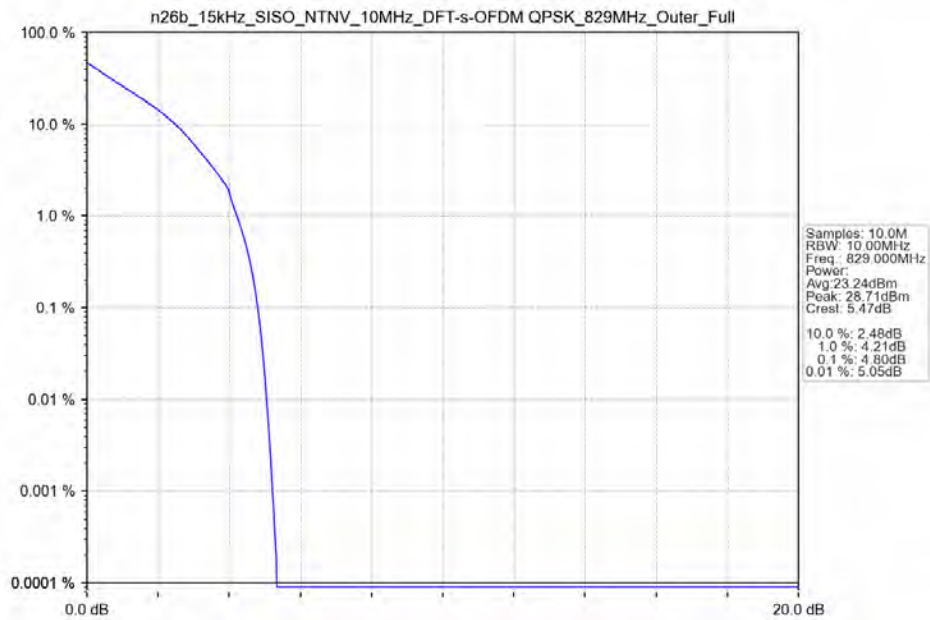
n26b\_15kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM PI/2 BPSK\_836.5MHz\_Outer\_Full\_Ant31



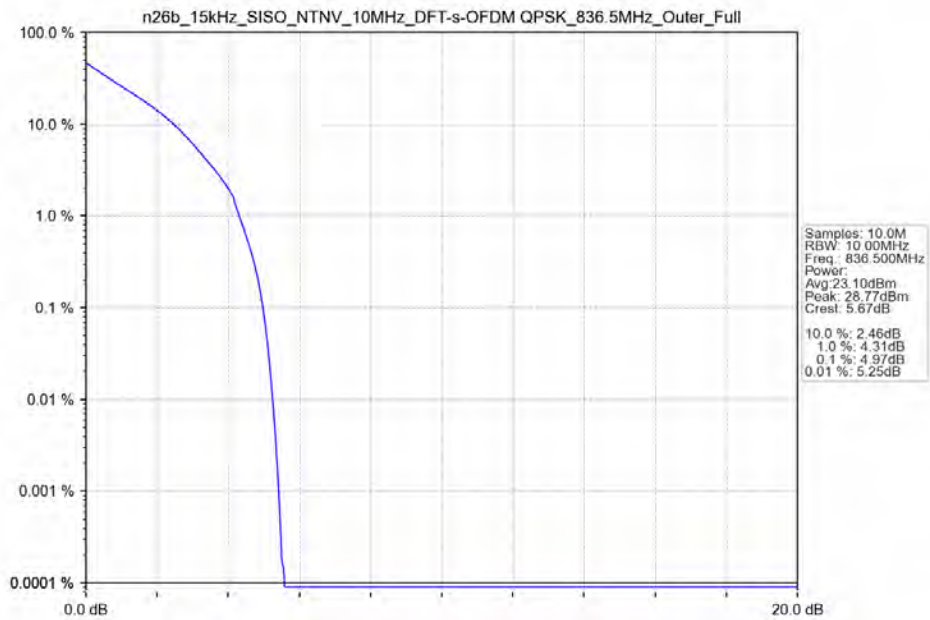
n26b\_15kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM PI/2 BPSK\_844MHz\_Outer\_Full\_Ant31



n26b\_15kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM QPSK\_829MHz\_Outer\_Full\_Ant31



n26b 15kHz SISO NTN 10MHz DFT-s-OFDM QPSK 836.5MHz Outer Full Ant31



n26b 15kHz SISO NTN 10MHz DFT-s-OFDM QPSK 844MHz Outer Full Ant31

