

|                                                                                 |      |                 |       |   |   |       |   |   |      |      |
|---------------------------------------------------------------------------------|------|-----------------|-------|---|---|-------|---|---|------|------|
| CP-OFDM 256 QAM                                                                 | 3735 | Edge_1RB_Left   | 18.66 | / | / | 18.78 | / | / | <=30 | Pass |
|                                                                                 |      | Edge_1RB_Right  | 18.62 | / | / | 18.74 | / | / | <=30 | Pass |
|                                                                                 |      | Outer_Full      | 18.49 | / | / | 18.61 | / | / | <=30 | Pass |
|                                                                                 |      | Inner_Full      | 18.43 | / | / | 18.55 | / | / | <=30 | Pass |
|                                                                                 |      | Inner_1RB_Left  | 18.68 | / | / | 18.80 | / | / | <=30 | Pass |
|                                                                                 |      | Inner_1RB_Right | 18.70 | / | / | 18.82 | / | / | <=30 | Pass |
|                                                                                 | 3840 | Edge_1RB_Left   | 18.75 | / | / | 18.87 | / | / | <=30 | Pass |
|                                                                                 |      | Edge_1RB_Right  | 18.94 | / | / | 19.06 | / | / | <=30 | Pass |
|                                                                                 |      | Outer_Full      | 18.64 | / | / | 18.76 | / | / | <=30 | Pass |
|                                                                                 |      | Inner_Full      | 18.60 | / | / | 18.72 | / | / | <=30 | Pass |
|                                                                                 |      | Inner_1RB_Left  | 18.80 | / | / | 18.92 | / | / | <=30 | Pass |
|                                                                                 |      | Inner_1RB_Right | 18.94 | / | / | 19.06 | / | / | <=30 | Pass |
|                                                                                 | 3945 | Edge_1RB_Left   | 18.74 | / | / | 18.86 | / | / | <=30 | Pass |
|                                                                                 |      | Edge_1RB_Right  | 19.00 | / | / | 19.12 | / | / | <=30 | Pass |
|                                                                                 |      | Outer_Full      | 19.02 | / | / | 19.14 | / | / | <=30 | Pass |
|                                                                                 |      | Inner_Full      | 19.02 | / | / | 19.14 | / | / | <=30 | Pass |
|                                                                                 |      | Inner_1RB_Left  | 18.77 | / | / | 18.89 | / | / | <=30 | Pass |
|                                                                                 |      | Inner_1RB_Right | 19.04 | / | / | 19.16 | / | / | <=30 | Pass |
| Note1: Antenna Gain: Ant3: 0.12dBi;<br>Note2: EIRP=Conducted Power+Antenna Gain |      |                 |       |   |   |       |   |   |      |      |

### 1.1.8 30k\_SISO\_80MHz\_NTNV\_EIRP

| 5G NR n77a SCS=30kHz SISO 80MHz NTN |                 |                 |                      |      |     |           |      |     |       |         |
|-------------------------------------|-----------------|-----------------|----------------------|------|-----|-----------|------|-----|-------|---------|
| Modulation                          | Frequency (MHz) | RB Allocation   | Conducted Power(dBm) |      |     | EIRP(dBm) |      |     |       | Verdict |
|                                     |                 |                 | Ant3                 | Ant2 | Sum | Ant3      | Ant2 | Sum | Limit |         |
| DFT-s-OFDM PI/2 BPSK                | 3740.01         | Edge 1RB Left   | 21.55                | /    | /   | 21.67     | /    | /   | <=30  | Pass    |
|                                     |                 | Edge 1RB Right  | 21.53                | /    | /   | 21.65     | /    | /   | <=30  | Pass    |
|                                     |                 | Outer_Full      | 24.68                | /    | /   | 24.80     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_Full      | 25.13                | /    | /   | 25.25     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner 1RB Left  | 25.11                | /    | /   | 25.23     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner 1RB Right | 25.03                | /    | /   | 25.15     | /    | /   | <=30  | Pass    |
|                                     | 3840            | Edge 1RB Left   | 21.62                | /    | /   | 21.74     | /    | /   | <=30  | Pass    |
|                                     |                 | Edge 1RB Right  | 21.94                | /    | /   | 22.06     | /    | /   | <=30  | Pass    |
|                                     |                 | Outer_Full      | 24.68                | /    | /   | 24.80     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_Full      | 25.23                | /    | /   | 25.35     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner 1RB Left  | 25.30                | /    | /   | 25.42     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner 1RB Right | 25.45                | /    | /   | 25.57     | /    | /   | <=30  | Pass    |
|                                     | 3939.99         | Edge 1RB Left   | 21.72                | /    | /   | 21.84     | /    | /   | <=30  | Pass    |
|                                     |                 | Edge 1RB Right  | 21.93                | /    | /   | 22.05     | /    | /   | <=30  | Pass    |
|                                     |                 | Outer_Full      | 24.99                | /    | /   | 25.11     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_Full      | 25.62                | /    | /   | 25.74     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner 1RB Left  | 25.33                | /    | /   | 25.45     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner 1RB Right | 25.59                | /    | /   | 25.71     | /    | /   | <=30  | Pass    |
| DFT-s-OFDM QPSK                     | 3740.01         | Edge 1RB Left   | 21.46                | /    | /   | 21.58     | /    | /   | <=30  | Pass    |
|                                     |                 | Edge 1RB Right  | 21.47                | /    | /   | 21.59     | /    | /   | <=30  | Pass    |
|                                     |                 | Outer_Full      | 24.10                | /    | /   | 24.22     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_Full      | 25.06                | /    | /   | 25.18     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner 1RB Left  | 25.02                | /    | /   | 25.14     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner 1RB Right | 24.94                | /    | /   | 25.06     | /    | /   | <=30  | Pass    |
|                                     | 3840            | Edge 1RB Left   | 21.61                | /    | /   | 21.73     | /    | /   | <=30  | Pass    |
|                                     |                 | Edge 1RB Right  | 21.87                | /    | /   | 21.99     | /    | /   | <=30  | Pass    |
|                                     |                 | Outer_Full      | 24.29                | /    | /   | 24.41     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_Full      | 25.15                | /    | /   | 25.27     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner 1RB Left  | 25.17                | /    | /   | 25.29     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner 1RB Right | 25.37                | /    | /   | 25.49     | /    | /   | <=30  | Pass    |
|                                     | 3939.99         | Edge 1RB Left   | 21.65                | /    | /   | 21.77     | /    | /   | <=30  | Pass    |
|                                     |                 | Edge 1RB Right  | 21.89                | /    | /   | 22.01     | /    | /   | <=30  | Pass    |

|                    |         |                 |       |   |   |       |   |   |      |      |
|--------------------|---------|-----------------|-------|---|---|-------|---|---|------|------|
|                    |         | Outer_Full      | 24.47 | / | / | 24.59 | / | / | <=30 | Pass |
|                    |         | Inner_Full      | 25.56 | / | / | 25.68 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Left  | 25.26 | / | / | 25.38 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Right | 25.52 | / | / | 25.64 | / | / | <=30 | Pass |
| DFT-s-OFDM 16 QAM  | 3740.01 | Edge_1RB_Left   | 21.45 | / | / | 21.57 | / | / | <=30 | Pass |
|                    |         | Edge_1RB_Right  | 21.46 | / | / | 21.58 | / | / | <=30 | Pass |
|                    |         | Outer_Full      | 23.03 | / | / | 23.15 | / | / | <=30 | Pass |
|                    |         | Inner_Full      | 23.84 | / | / | 23.96 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Left  | 23.82 | / | / | 23.94 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Right | 23.81 | / | / | 23.93 | / | / | <=30 | Pass |
|                    |         | Edge_1RB_Left   | 21.56 | / | / | 21.68 | / | / | <=30 | Pass |
|                    |         | Edge_1RB_Right  | 21.68 | / | / | 21.80 | / | / | <=30 | Pass |
|                    | 3840    | Outer_Full      | 23.16 | / | / | 23.28 | / | / | <=30 | Pass |
|                    |         | Inner_Full      | 23.98 | / | / | 24.10 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Left  | 24.09 | / | / | 24.21 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Right | 24.18 | / | / | 24.30 | / | / | <=30 | Pass |
|                    |         | Edge_1RB_Left   | 21.51 | / | / | 21.63 | / | / | <=30 | Pass |
|                    |         | Edge_1RB_Right  | 21.80 | / | / | 21.92 | / | / | <=30 | Pass |
|                    | 3939.99 | Outer_Full      | 23.54 | / | / | 23.66 | / | / | <=30 | Pass |
|                    |         | Inner_Full      | 24.34 | / | / | 24.46 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Left  | 24.08 | / | / | 24.20 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Right | 24.32 | / | / | 24.44 | / | / | <=30 | Pass |
| DFT-s-OFDM 64 QAM  | 3740.01 | Edge_1RB_Left   | 21.52 | / | / | 21.64 | / | / | <=30 | Pass |
|                    |         | Edge_1RB_Right  | 21.49 | / | / | 21.61 | / | / | <=30 | Pass |
|                    |         | Outer_Full      | 22.50 | / | / | 22.62 | / | / | <=30 | Pass |
|                    |         | Inner_Full      | 22.45 | / | / | 22.57 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Left  | 22.55 | / | / | 22.67 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Right | 22.56 | / | / | 22.68 | / | / | <=30 | Pass |
|                    | 3840    | Edge_1RB_Left   | 21.68 | / | / | 21.80 | / | / | <=30 | Pass |
|                    |         | Edge_1RB_Right  | 21.88 | / | / | 22.00 | / | / | <=30 | Pass |
|                    |         | Outer_Full      | 22.72 | / | / | 22.84 | / | / | <=30 | Pass |
|                    |         | Inner_Full      | 22.61 | / | / | 22.73 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Left  | 22.75 | / | / | 22.87 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Right | 23.08 | / | / | 23.20 | / | / | <=30 | Pass |
|                    | 3939.99 | Edge_1RB_Left   | 21.54 | / | / | 21.66 | / | / | <=30 | Pass |
|                    |         | Edge_1RB_Right  | 21.90 | / | / | 22.02 | / | / | <=30 | Pass |
|                    |         | Outer_Full      | 22.90 | / | / | 23.02 | / | / | <=30 | Pass |
|                    |         | Inner_Full      | 22.87 | / | / | 22.99 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Left  | 22.69 | / | / | 22.81 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Right | 22.89 | / | / | 23.01 | / | / | <=30 | Pass |
| DFT-s-OFDM 256 QAM | 3740.01 | Edge_1RB_Left   | 20.59 | / | / | 20.71 | / | / | <=30 | Pass |
|                    |         | Edge_1RB_Right  | 20.47 | / | / | 20.59 | / | / | <=30 | Pass |
|                    |         | Outer_Full      | 20.55 | / | / | 20.67 | / | / | <=30 | Pass |
|                    |         | Inner_Full      | 20.52 | / | / | 20.64 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Left  | 20.56 | / | / | 20.68 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Right | 20.59 | / | / | 20.71 | / | / | <=30 | Pass |
|                    | 3840    | Edge_1RB_Left   | 20.59 | / | / | 20.71 | / | / | <=30 | Pass |
|                    |         | Edge_1RB_Right  | 20.87 | / | / | 20.99 | / | / | <=30 | Pass |
|                    |         | Outer_Full      | 20.78 | / | / | 20.90 | / | / | <=30 | Pass |
|                    |         | Inner_Full      | 20.58 | / | / | 20.70 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Left  | 20.65 | / | / | 20.77 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Right | 20.95 | / | / | 21.07 | / | / | <=30 | Pass |
|                    | 3939.99 | Edge_1RB_Left   | 20.78 | / | / | 20.90 | / | / | <=30 | Pass |
|                    |         | Edge_1RB_Right  | 20.95 | / | / | 21.07 | / | / | <=30 | Pass |
|                    |         | Outer_Full      | 21.30 | / | / | 21.42 | / | / | <=30 | Pass |
|                    |         | Inner_Full      | 20.99 | / | / | 21.11 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Left  | 20.76 | / | / | 20.88 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Right | 21.04 | / | / | 21.16 | / | / | <=30 | Pass |
| CP-OFDM QPSK       | 3740.01 | Edge_1RB_Left   | 21.74 | / | / | 21.86 | / | / | <=30 | Pass |

|                 |         |                 |       |   |   |       |   |   |      |      |
|-----------------|---------|-----------------|-------|---|---|-------|---|---|------|------|
|                 |         | Edge_1RB_Right  | 21.67 | / | / | 21.79 | / | / | <=30 | Pass |
|                 |         | Outer_Full      | 22.08 | / | / | 22.20 | / | / | <=30 | Pass |
|                 |         | Inner_Full      | 23.55 | / | / | 23.67 | / | / | <=30 | Pass |
|                 |         | Inner_1RB_Left  | 23.69 | / | / | 23.81 | / | / | <=30 | Pass |
|                 |         | Inner_1RB_Right | 23.79 | / | / | 23.91 | / | / | <=30 | Pass |
|                 | 3840    | Edge_1RB_Left   | 21.75 | / | / | 21.87 | / | / | <=30 | Pass |
|                 |         | Edge_1RB_Right  | 22.08 | / | / | 22.20 | / | / | <=30 | Pass |
|                 |         | Outer_Full      | 22.23 | / | / | 22.35 | / | / | <=30 | Pass |
|                 |         | Inner_Full      | 23.65 | / | / | 23.77 | / | / | <=30 | Pass |
|                 |         | Inner_1RB_Left  | 23.88 | / | / | 24.00 | / | / | <=30 | Pass |
|                 |         | Inner_1RB_Right | 24.15 | / | / | 24.27 | / | / | <=30 | Pass |
|                 | 3939.99 | Edge_1RB_Left   | 21.81 | / | / | 21.93 | / | / | <=30 | Pass |
|                 |         | Edge_1RB_Right  | 22.06 | / | / | 22.18 | / | / | <=30 | Pass |
|                 |         | Outer_Full      | 22.40 | / | / | 22.52 | / | / | <=30 | Pass |
|                 |         | Inner_Full      | 24.03 | / | / | 24.15 | / | / | <=30 | Pass |
|                 |         | Inner_1RB_Left  | 23.90 | / | / | 24.02 | / | / | <=30 | Pass |
| CP-OFDM 16 QAM  | 3740.01 | Inner_1RB_Right | 24.16 | / | / | 24.28 | / | / | <=30 | Pass |
|                 |         | Edge_1RB_Left   | 21.51 | / | / | 21.63 | / | / | <=30 | Pass |
|                 |         | Edge_1RB_Right  | 21.56 | / | / | 21.68 | / | / | <=30 | Pass |
|                 |         | Outer_Full      | 21.93 | / | / | 22.05 | / | / | <=30 | Pass |
|                 |         | Inner_Full      | 22.95 | / | / | 23.07 | / | / | <=30 | Pass |
|                 | 3840    | Inner_1RB_Left  | 23.03 | / | / | 23.15 | / | / | <=30 | Pass |
|                 |         | Inner_1RB_Right | 23.06 | / | / | 23.18 | / | / | <=30 | Pass |
|                 |         | Edge_1RB_Left   | 21.64 | / | / | 21.76 | / | / | <=30 | Pass |
|                 |         | Edge_1RB_Right  | 21.89 | / | / | 22.01 | / | / | <=30 | Pass |
|                 |         | Outer_Full      | 22.22 | / | / | 22.34 | / | / | <=30 | Pass |
|                 | 3939.99 | Inner_Full      | 23.15 | / | / | 23.27 | / | / | <=30 | Pass |
|                 |         | Inner_1RB_Left  | 23.15 | / | / | 23.27 | / | / | <=30 | Pass |
|                 |         | Inner_1RB_Right | 23.39 | / | / | 23.51 | / | / | <=30 | Pass |
|                 |         | Edge_1RB_Left   | 21.70 | / | / | 21.82 | / | / | <=30 | Pass |
|                 |         | Edge_1RB_Right  | 21.89 | / | / | 22.01 | / | / | <=30 | Pass |
| CP-OFDM 64 QAM  | 3740.01 | Outer_Full      | 22.35 | / | / | 22.47 | / | / | <=30 | Pass |
|                 |         | Inner_Full      | 23.47 | / | / | 23.59 | / | / | <=30 | Pass |
|                 |         | Inner_1RB_Left  | 23.12 | / | / | 23.24 | / | / | <=30 | Pass |
|                 |         | Inner_1RB_Right | 23.47 | / | / | 23.59 | / | / | <=30 | Pass |
|                 |         | Edge_1RB_Left   | 21.49 | / | / | 21.61 | / | / | <=30 | Pass |
|                 | 3840    | Edge_1RB_Right  | 21.48 | / | / | 21.60 | / | / | <=30 | Pass |
|                 |         | Outer_Full      | 21.62 | / | / | 21.74 | / | / | <=30 | Pass |
|                 |         | Inner_Full      | 21.59 | / | / | 21.71 | / | / | <=30 | Pass |
|                 |         | Inner_1RB_Left  | 21.53 | / | / | 21.65 | / | / | <=30 | Pass |
|                 |         | Inner_1RB_Right | 21.52 | / | / | 21.64 | / | / | <=30 | Pass |
|                 | 3939.99 | Edge_1RB_Left   | 21.67 | / | / | 21.79 | / | / | <=30 | Pass |
|                 |         | Edge_1RB_Right  | 21.95 | / | / | 22.07 | / | / | <=30 | Pass |
|                 |         | Outer_Full      | 21.79 | / | / | 21.91 | / | / | <=30 | Pass |
|                 |         | Inner_Full      | 21.59 | / | / | 21.71 | / | / | <=30 | Pass |
|                 |         | Inner_1RB_Left  | 21.69 | / | / | 21.81 | / | / | <=30 | Pass |
| CP-OFDM 256 QAM | 3740.01 | Inner_1RB_Right | 21.95 | / | / | 22.07 | / | / | <=30 | Pass |
|                 |         | Edge_1RB_Left   | 21.54 | / | / | 21.66 | / | / | <=30 | Pass |
|                 |         | Edge_1RB_Right  | 21.84 | / | / | 21.96 | / | / | <=30 | Pass |
|                 |         | Outer_Full      | 22.00 | / | / | 22.12 | / | / | <=30 | Pass |
|                 |         | Inner_Full      | 22.00 | / | / | 22.12 | / | / | <=30 | Pass |
|                 | 3840    | Inner_1RB_Left  | 21.53 | / | / | 21.65 | / | / | <=30 | Pass |
|                 |         | Inner_1RB_Right | 21.96 | / | / | 22.08 | / | / | <=30 | Pass |
|                 | 3939.99 | Edge_1RB_Left   | 18.59 | / | / | 18.71 | / | / | <=30 | Pass |
|                 |         | Edge_1RB_Right  | 18.57 | / | / | 18.69 | / | / | <=30 | Pass |
|                 |         | Outer_Full      | 18.56 | / | / | 18.68 | / | / | <=30 | Pass |
|                 |         | Inner_Full      | 18.48 | / | / | 18.60 | / | / | <=30 | Pass |
|                 |         | Inner_1RB_Left  | 18.60 | / | / | 18.72 | / | / | <=30 | Pass |
|                 |         | Inner_1RB_Right | 18.63 | / | / | 18.75 | / | / | <=30 | Pass |

|                                                                                 |         |                 |       |   |   |       |   |   |      |      |
|---------------------------------------------------------------------------------|---------|-----------------|-------|---|---|-------|---|---|------|------|
|                                                                                 | 3840    | Edge_1RB_Left   | 18.66 | / | / | 18.78 | / | / | <=30 | Pass |
|                                                                                 |         | Edge_1RB_Right  | 18.91 | / | / | 19.03 | / | / | <=30 | Pass |
|                                                                                 |         | Outer_Full      | 18.76 | / | / | 18.88 | / | / | <=30 | Pass |
|                                                                                 |         | Inner_Full      | 18.62 | / | / | 18.74 | / | / | <=30 | Pass |
|                                                                                 |         | Inner_1RB_Left  | 18.70 | / | / | 18.82 | / | / | <=30 | Pass |
|                                                                                 |         | Inner_1RB_Right | 18.94 | / | / | 19.06 | / | / | <=30 | Pass |
|                                                                                 | 3939.99 | Edge_1RB_Left   | 18.70 | / | / | 18.82 | / | / | <=30 | Pass |
|                                                                                 |         | Edge_1RB_Right  | 19.02 | / | / | 19.14 | / | / | <=30 | Pass |
|                                                                                 |         | Outer_Full      | 18.98 | / | / | 19.10 | / | / | <=30 | Pass |
|                                                                                 |         | Inner_Full      | 19.04 | / | / | 19.16 | / | / | <=30 | Pass |
|                                                                                 |         | Inner_1RB_Left  | 18.72 | / | / | 18.84 | / | / | <=30 | Pass |
|                                                                                 |         | Inner_1RB_Right | 19.01 | / | / | 19.13 | / | / | <=30 | Pass |
| Note1: Antenna Gain: Ant3: 0.12dBi;<br>Note2: EIRP=Conducted Power+Antenna Gain |         |                 |       |   |   |       |   |   |      |      |

### 1.1.9 30k\_SISO\_90MHz\_NTNV\_EIRP

| 5G NR n77a SCS=30kHz SISO 90MHz NTNv |                 |                 |                      |      |     |           |      |     |       |         |
|--------------------------------------|-----------------|-----------------|----------------------|------|-----|-----------|------|-----|-------|---------|
| Modulation                           | Frequency (MHz) | RB Allocation   | Conducted Power(dBm) |      |     | EIRP(dBm) |      |     |       | Verdict |
|                                      |                 |                 | Ant3                 | Ant2 | Sum | Ant3      | Ant2 | Sum | Limit |         |
| DFT-s-OFDM PI/2 BPSK                 | 3745.02         | Edge_1RB_Left   | 21.79                | /    | /   | 21.91     | /    | /   | <=30  | Pass    |
|                                      |                 | Edge_1RB_Right  | 21.63                | /    | /   | 21.75     | /    | /   | <=30  | Pass    |
|                                      |                 | Outer_Full      | 24.67                | /    | /   | 24.79     | /    | /   | <=30  | Pass    |
|                                      |                 | Inner_Full      | 25.14                | /    | /   | 25.26     | /    | /   | <=30  | Pass    |
|                                      |                 | Inner_1RB_Left  | 25.26                | /    | /   | 25.38     | /    | /   | <=30  | Pass    |
|                                      |                 | Inner_1RB_Right | 25.00                | /    | /   | 25.12     | /    | /   | <=30  | Pass    |
|                                      | 3840            | Edge_1RB_Left   | 21.77                | /    | /   | 21.89     | /    | /   | <=30  | Pass    |
|                                      |                 | Edge_1RB_Right  | 22.05                | /    | /   | 22.17     | /    | /   | <=30  | Pass    |
|                                      |                 | Outer_Full      | 24.72                | /    | /   | 24.84     | /    | /   | <=30  | Pass    |
|                                      |                 | Inner_Full      | 25.23                | /    | /   | 25.35     | /    | /   | <=30  | Pass    |
|                                      |                 | Inner_1RB_Left  | 25.19                | /    | /   | 25.31     | /    | /   | <=30  | Pass    |
|                                      |                 | Inner_1RB_Right | 25.53                | /    | /   | 25.65     | /    | /   | <=30  | Pass    |
|                                      | 3934.98         | Edge_1RB_Left   | 22.13                | /    | /   | 22.25     | /    | /   | <=30  | Pass    |
|                                      |                 | Edge_1RB_Right  | 22.21                | /    | /   | 22.33     | /    | /   | <=30  | Pass    |
|                                      |                 | Outer_Full      | 25.19                | /    | /   | 25.31     | /    | /   | <=30  | Pass    |
|                                      |                 | Inner_Full      | 25.71                | /    | /   | 25.83     | /    | /   | <=30  | Pass    |
|                                      |                 | Inner_1RB_Left  | 25.50                | /    | /   | 25.62     | /    | /   | <=30  | Pass    |
|                                      |                 | Inner_1RB_Right | 25.63                | /    | /   | 25.75     | /    | /   | <=30  | Pass    |
| DFT-s-OFDM QPSK                      | 3745.02         | Edge_1RB_Left   | 21.69                | /    | /   | 21.81     | /    | /   | <=30  | Pass    |
|                                      |                 | Edge_1RB_Right  | 21.57                | /    | /   | 21.69     | /    | /   | <=30  | Pass    |
|                                      |                 | Outer_Full      | 24.14                | /    | /   | 24.26     | /    | /   | <=30  | Pass    |
|                                      |                 | Inner_Full      | 25.07                | /    | /   | 25.19     | /    | /   | <=30  | Pass    |
|                                      |                 | Inner_1RB_Left  | 25.18                | /    | /   | 25.30     | /    | /   | <=30  | Pass    |
|                                      |                 | Inner_1RB_Right | 24.98                | /    | /   | 25.10     | /    | /   | <=30  | Pass    |
|                                      | 3840            | Edge_1RB_Left   | 21.73                | /    | /   | 21.85     | /    | /   | <=30  | Pass    |
|                                      |                 | Edge_1RB_Right  | 22.05                | /    | /   | 22.17     | /    | /   | <=30  | Pass    |
|                                      |                 | Outer_Full      | 24.29                | /    | /   | 24.41     | /    | /   | <=30  | Pass    |
|                                      |                 | Inner_Full      | 25.14                | /    | /   | 25.26     | /    | /   | <=30  | Pass    |
|                                      |                 | Inner_1RB_Left  | 25.17                | /    | /   | 25.29     | /    | /   | <=30  | Pass    |
|                                      |                 | Inner_1RB_Right | 25.43                | /    | /   | 25.55     | /    | /   | <=30  | Pass    |
|                                      | 3934.98         | Edge_1RB_Left   | 22.06                | /    | /   | 22.18     | /    | /   | <=30  | Pass    |
|                                      |                 | Edge_1RB_Right  | 22.14                | /    | /   | 22.26     | /    | /   | <=30  | Pass    |
|                                      |                 | Outer_Full      | 24.59                | /    | /   | 24.71     | /    | /   | <=30  | Pass    |
|                                      |                 | Inner_Full      | 25.64                | /    | /   | 25.76     | /    | /   | <=30  | Pass    |
|                                      |                 | Inner_1RB_Left  | 25.48                | /    | /   | 25.60     | /    | /   | <=30  | Pass    |
|                                      |                 | Inner_1RB_Right | 25.50                | /    | /   | 25.62     | /    | /   | <=30  | Pass    |
| DFT-s-OFDM 16 QAM                    | 3745.02         | Edge_1RB_Left   | 21.56                | /    | /   | 21.68     | /    | /   | <=30  | Pass    |
|                                      |                 | Edge_1RB_Right  | 21.35                | /    | /   | 21.47     | /    | /   | <=30  | Pass    |

|                    |         |                 |       |   |   |       |   |   |      |      |
|--------------------|---------|-----------------|-------|---|---|-------|---|---|------|------|
|                    |         | Outer_Full      | 23.11 | / | / | 23.23 | / | / | <=30 | Pass |
|                    |         | Inner_Full      | 23.90 | / | / | 24.02 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Left  | 24.12 | / | / | 24.24 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Right | 23.82 | / | / | 23.94 | / | / | <=30 | Pass |
|                    | 3840    | Edge_1RB_Left   | 21.58 | / | / | 21.70 | / | / | <=30 | Pass |
|                    |         | Edge_1RB_Right  | 21.76 | / | / | 21.88 | / | / | <=30 | Pass |
|                    |         | Outer_Full      | 23.17 | / | / | 23.29 | / | / | <=30 | Pass |
|                    |         | Inner_Full      | 24.05 | / | / | 24.17 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Left  | 24.00 | / | / | 24.12 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Right | 24.18 | / | / | 24.30 | / | / | <=30 | Pass |
|                    | 3934.98 | Edge_1RB_Left   | 21.83 | / | / | 21.95 | / | / | <=30 | Pass |
|                    |         | Edge_1RB_Right  | 21.90 | / | / | 22.02 | / | / | <=30 | Pass |
|                    |         | Outer_Full      | 23.54 | / | / | 23.66 | / | / | <=30 | Pass |
|                    |         | Inner_Full      | 24.54 | / | / | 24.66 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Left  | 24.31 | / | / | 24.43 | / | / | <=30 | Pass |
| DFT-s-OFDM 64 QAM  | 3745.02 | Inner_1RB_Right | 24.38 | / | / | 24.50 | / | / | <=30 | Pass |
|                    |         | Edge_1RB_Left   | 21.71 | / | / | 21.83 | / | / | <=30 | Pass |
|                    |         | Edge_1RB_Right  | 21.50 | / | / | 21.62 | / | / | <=30 | Pass |
|                    |         | Outer_Full      | 22.61 | / | / | 22.73 | / | / | <=30 | Pass |
|                    |         | Inner_Full      | 22.59 | / | / | 22.71 | / | / | <=30 | Pass |
|                    | 3840    | Inner_1RB_Left  | 22.75 | / | / | 22.87 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Right | 22.55 | / | / | 22.67 | / | / | <=30 | Pass |
|                    |         | Edge_1RB_Left   | 21.70 | / | / | 21.82 | / | / | <=30 | Pass |
|                    |         | Edge_1RB_Right  | 21.93 | / | / | 22.05 | / | / | <=30 | Pass |
|                    |         | Outer_Full      | 22.71 | / | / | 22.83 | / | / | <=30 | Pass |
|                    | 3934.98 | Inner_Full      | 22.64 | / | / | 22.76 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Left  | 22.62 | / | / | 22.74 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Right | 22.93 | / | / | 23.05 | / | / | <=30 | Pass |
|                    |         | Edge_1RB_Left   | 22.03 | / | / | 22.15 | / | / | <=30 | Pass |
|                    |         | Edge_1RB_Right  | 22.02 | / | / | 22.14 | / | / | <=30 | Pass |
| DFT-s-OFDM 256 QAM | 3745.02 | Outer_Full      | 23.01 | / | / | 23.13 | / | / | <=30 | Pass |
|                    |         | Inner_Full      | 23.15 | / | / | 23.27 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Left  | 23.04 | / | / | 23.16 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Right | 23.08 | / | / | 23.20 | / | / | <=30 | Pass |
|                    |         | Edge_1RB_Left   | 20.72 | / | / | 20.84 | / | / | <=30 | Pass |
|                    | 3840    | Edge_1RB_Right  | 20.52 | / | / | 20.64 | / | / | <=30 | Pass |
|                    |         | Outer_Full      | 20.65 | / | / | 20.77 | / | / | <=30 | Pass |
|                    |         | Inner_Full      | 20.52 | / | / | 20.64 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Left  | 20.72 | / | / | 20.84 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Right | 20.48 | / | / | 20.60 | / | / | <=30 | Pass |
|                    | 3934.98 | Edge_1RB_Left   | 20.78 | / | / | 20.90 | / | / | <=30 | Pass |
|                    |         | Edge_1RB_Right  | 20.98 | / | / | 21.10 | / | / | <=30 | Pass |
|                    |         | Outer_Full      | 20.79 | / | / | 20.91 | / | / | <=30 | Pass |
|                    |         | Inner_Full      | 20.71 | / | / | 20.83 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Left  | 20.75 | / | / | 20.87 | / | / | <=30 | Pass |
| CP-OFDM QPSK       | 3745.02 | Inner_1RB_Right | 20.98 | / | / | 21.10 | / | / | <=30 | Pass |
|                    |         | Edge_1RB_Left   | 21.07 | / | / | 21.19 | / | / | <=30 | Pass |
|                    |         | Edge_1RB_Right  | 21.05 | / | / | 21.17 | / | / | <=30 | Pass |
|                    |         | Outer_Full      | 21.03 | / | / | 21.15 | / | / | <=30 | Pass |
|                    |         | Inner_Full      | 21.04 | / | / | 21.16 | / | / | <=30 | Pass |
|                    | 3840    | Inner_1RB_Left  | 20.94 | / | / | 21.06 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Right | 21.01 | / | / | 21.13 | / | / | <=30 | Pass |
|                    |         | Edge_1RB_Left   | 21.79 | / | / | 21.91 | / | / | <=30 | Pass |
|                    |         | Edge_1RB_Right  | 21.70 | / | / | 21.82 | / | / | <=30 | Pass |
|                    |         | Outer_Full      | 22.13 | / | / | 22.25 | / | / | <=30 | Pass |
|                    |         | Inner_Full      | 23.57 | / | / | 23.69 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Left  | 23.92 | / | / | 24.04 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Right | 23.68 | / | / | 23.80 | / | / | <=30 | Pass |
|                    |         | Edge_1RB_Left   | 21.89 | / | / | 22.01 | / | / | <=30 | Pass |

|                 |         |                 |       |   |   |       |   |   |      |      |
|-----------------|---------|-----------------|-------|---|---|-------|---|---|------|------|
|                 |         | Edge_1RB_Right  | 22.15 | / | / | 22.27 | / | / | <=30 | Pass |
|                 |         | Outer_Full      | 22.24 | / | / | 22.36 | / | / | <=30 | Pass |
|                 |         | Inner_Full      | 23.66 | / | / | 23.78 | / | / | <=30 | Pass |
|                 |         | Inner_1RB_Left  | 23.94 | / | / | 24.06 | / | / | <=30 | Pass |
|                 |         | Inner_1RB_Right | 24.30 | / | / | 24.42 | / | / | <=30 | Pass |
|                 | 3934.98 | Edge_1RB_Left   | 22.14 | / | / | 22.26 | / | / | <=30 | Pass |
|                 |         | Edge_1RB_Right  | 22.22 | / | / | 22.34 | / | / | <=30 | Pass |
|                 |         | Outer_Full      | 22.52 | / | / | 22.64 | / | / | <=30 | Pass |
|                 |         | Inner_Full      | 24.27 | / | / | 24.39 | / | / | <=30 | Pass |
|                 |         | Inner_1RB_Left  | 24.14 | / | / | 24.26 | / | / | <=30 | Pass |
| CP-OFDM 16 QAM  | 3745.02 | Inner_1RB_Right | 24.21 | / | / | 24.33 | / | / | <=30 | Pass |
|                 |         | Edge_1RB_Left   | 21.67 | / | / | 21.79 | / | / | <=30 | Pass |
|                 |         | Edge_1RB_Right  | 21.46 | / | / | 21.58 | / | / | <=30 | Pass |
|                 |         | Outer_Full      | 22.13 | / | / | 22.25 | / | / | <=30 | Pass |
|                 |         | Inner_Full      | 23.07 | / | / | 23.19 | / | / | <=30 | Pass |
|                 | 3840    | Inner_1RB_Left  | 23.26 | / | / | 23.38 | / | / | <=30 | Pass |
|                 |         | Inner_1RB_Right | 22.98 | / | / | 23.10 | / | / | <=30 | Pass |
|                 |         | Edge_1RB_Left   | 21.71 | / | / | 21.83 | / | / | <=30 | Pass |
|                 |         | Edge_1RB_Right  | 22.01 | / | / | 22.13 | / | / | <=30 | Pass |
|                 |         | Outer_Full      | 22.29 | / | / | 22.41 | / | / | <=30 | Pass |
|                 | 3934.98 | Inner_Full      | 23.18 | / | / | 23.30 | / | / | <=30 | Pass |
|                 |         | Inner_1RB_Left  | 23.38 | / | / | 23.50 | / | / | <=30 | Pass |
|                 |         | Inner_1RB_Right | 23.61 | / | / | 23.73 | / | / | <=30 | Pass |
|                 |         | Edge_1RB_Left   | 21.87 | / | / | 21.99 | / | / | <=30 | Pass |
|                 |         | Edge_1RB_Right  | 22.01 | / | / | 22.13 | / | / | <=30 | Pass |
| CP-OFDM 64 QAM  | 3745.02 | Outer_Full      | 22.54 | / | / | 22.66 | / | / | <=30 | Pass |
|                 |         | Inner_Full      | 23.60 | / | / | 23.72 | / | / | <=30 | Pass |
|                 |         | Inner_1RB_Left  | 23.51 | / | / | 23.63 | / | / | <=30 | Pass |
|                 |         | Inner_1RB_Right | 23.60 | / | / | 23.72 | / | / | <=30 | Pass |
|                 |         | Edge_1RB_Left   | 21.80 | / | / | 21.92 | / | / | <=30 | Pass |
|                 | 3840    | Edge_1RB_Right  | 21.58 | / | / | 21.70 | / | / | <=30 | Pass |
|                 |         | Outer_Full      | 21.72 | / | / | 21.84 | / | / | <=30 | Pass |
|                 |         | Inner_Full      | 21.51 | / | / | 21.63 | / | / | <=30 | Pass |
|                 |         | Inner_1RB_Left  | 21.85 | / | / | 21.97 | / | / | <=30 | Pass |
|                 |         | Inner_1RB_Right | 21.59 | / | / | 21.71 | / | / | <=30 | Pass |
|                 | 3934.98 | Edge_1RB_Left   | 21.83 | / | / | 21.95 | / | / | <=30 | Pass |
|                 |         | Edge_1RB_Right  | 22.14 | / | / | 22.26 | / | / | <=30 | Pass |
|                 |         | Outer_Full      | 21.86 | / | / | 21.98 | / | / | <=30 | Pass |
|                 |         | Inner_Full      | 21.60 | / | / | 21.72 | / | / | <=30 | Pass |
|                 |         | Inner_1RB_Left  | 21.88 | / | / | 22.00 | / | / | <=30 | Pass |
| CP-OFDM 256 QAM | 3745.02 | Inner_1RB_Right | 22.19 | / | / | 22.31 | / | / | <=30 | Pass |
|                 |         | Edge_1RB_Left   | 22.09 | / | / | 22.21 | / | / | <=30 | Pass |
|                 |         | Edge_1RB_Right  | 22.18 | / | / | 22.30 | / | / | <=30 | Pass |
|                 |         | Outer_Full      | 22.12 | / | / | 22.24 | / | / | <=30 | Pass |
|                 |         | Inner_Full      | 22.03 | / | / | 22.15 | / | / | <=30 | Pass |
|                 | 3840    | Inner_1RB_Left  | 22.11 | / | / | 22.23 | / | / | <=30 | Pass |
|                 |         | Inner_1RB_Right | 22.23 | / | / | 22.35 | / | / | <=30 | Pass |
|                 |         | Edge_1RB_Left   | 18.70 | / | / | 18.82 | / | / | <=30 | Pass |
|                 |         | Edge_1RB_Right  | 18.51 | / | / | 18.63 | / | / | <=30 | Pass |
|                 |         | Outer_Full      | 18.74 | / | / | 18.86 | / | / | <=30 | Pass |
|                 | 3934.98 | Inner_Full      | 18.57 | / | / | 18.69 | / | / | <=30 | Pass |
|                 |         | Inner_1RB_Left  | 18.68 | / | / | 18.80 | / | / | <=30 | Pass |
|                 |         | Inner_1RB_Right | 18.53 | / | / | 18.65 | / | / | <=30 | Pass |
|                 |         | Edge_1RB_Left   | 18.76 | / | / | 18.88 | / | / | <=30 | Pass |
|                 |         | Edge_1RB_Right  | 19.06 | / | / | 19.18 | / | / | <=30 | Pass |
|                 | 3840    | Outer_Full      | 18.85 | / | / | 18.97 | / | / | <=30 | Pass |
|                 |         | Inner_Full      | 18.63 | / | / | 18.75 | / | / | <=30 | Pass |
|                 |         | Inner_1RB_Left  | 18.80 | / | / | 18.92 | / | / | <=30 | Pass |
|                 |         | Inner_1RB_Right | 19.07 | / | / | 19.19 | / | / | <=30 | Pass |

|  |         |                 |       |   |   |       |   |   |      |      |
|--|---------|-----------------|-------|---|---|-------|---|---|------|------|
|  | 3934.98 | Edge_1RB_Left   | 19.01 | / | / | 19.13 | / | / | <=30 | Pass |
|  |         | Edge_1RB_Right  | 19.02 | / | / | 19.14 | / | / | <=30 | Pass |
|  |         | Outer_Full      | 19.10 | / | / | 19.22 | / | / | <=30 | Pass |
|  |         | Inner_Full      | 19.17 | / | / | 19.29 | / | / | <=30 | Pass |
|  |         | Inner_1RB_Left  | 18.98 | / | / | 19.10 | / | / | <=30 | Pass |
|  |         | Inner_1RB_Right | 19.01 | / | / | 19.13 | / | / | <=30 | Pass |

Note1: Antenna Gain: Ant3: 0.12dBi;

Note2: EIRP=Conducted Power+Antenna Gain

### 1.1.10 30k\_SISO\_100MHz\_NTNV\_EIRP

| 5G NR n77a SCS=30kHz SISO 100MHz NTN |                 |                 |                      |      |     |           |      |     |       |         |
|--------------------------------------|-----------------|-----------------|----------------------|------|-----|-----------|------|-----|-------|---------|
| Modulation                           | Frequency (MHz) | RB Allocation   | Conducted Power(dBm) |      |     | EIRP(dBm) |      |     | Limit | Verdict |
|                                      |                 |                 | Ant3                 | Ant2 | Sum | Ant3      | Ant2 | Sum |       |         |
| DFT-s-OFDM PI/2 BPSK                 | 3750            | Edge_1RB_Left   | 21.72                | /    | /   | 21.84     | /    | /   | <=30  | Pass    |
|                                      |                 | Edge_1RB_Right  | 21.62                | /    | /   | 21.74     | /    | /   | <=30  | Pass    |
|                                      |                 | Outer_Full      | 24.76                | /    | /   | 24.88     | /    | /   | <=30  | Pass    |
|                                      |                 | Inner_Full      | 25.12                | /    | /   | 25.24     | /    | /   | <=30  | Pass    |
|                                      |                 | Inner_1RB_Left  | 25.42                | /    | /   | 25.54     | /    | /   | <=30  | Pass    |
|                                      |                 | Inner_1RB_Right | 25.20                | /    | /   | 25.32     | /    | /   | <=30  | Pass    |
|                                      | 3840            | Edge_1RB_Left   | 21.74                | /    | /   | 21.86     | /    | /   | <=30  | Pass    |
|                                      |                 | Edge_1RB_Right  | 22.06                | /    | /   | 22.18     | /    | /   | <=30  | Pass    |
|                                      |                 | Outer_Full      | 24.82                | /    | /   | 24.94     | /    | /   | <=30  | Pass    |
|                                      |                 | Inner_Full      | 25.16                | /    | /   | 25.28     | /    | /   | <=30  | Pass    |
|                                      |                 | Inner_1RB_Left  | 25.38                | /    | /   | 25.50     | /    | /   | <=30  | Pass    |
|                                      |                 | Inner_1RB_Right | 25.67                | /    | /   | 25.79     | /    | /   | <=30  | Pass    |
|                                      | 3930            | Edge_1RB_Left   | 22.01                | /    | /   | 22.13     | /    | /   | <=30  | Pass    |
|                                      |                 | Edge_1RB_Right  | 22.06                | /    | /   | 22.18     | /    | /   | <=30  | Pass    |
|                                      |                 | Outer_Full      | 25.19                | /    | /   | 25.31     | /    | /   | <=30  | Pass    |
|                                      |                 | Inner_Full      | 25.59                | /    | /   | 25.71     | /    | /   | <=30  | Pass    |
|                                      |                 | Inner_1RB_Left  | 25.64                | /    | /   | 25.76     | /    | /   | <=30  | Pass    |
|                                      |                 | Inner_1RB_Right | 25.68                | /    | /   | 25.80     | /    | /   | <=30  | Pass    |
| DFT-s-OFDM QPSK                      | 3750            | Edge_1RB_Left   | 21.78                | /    | /   | 21.90     | /    | /   | <=30  | Pass    |
|                                      |                 | Edge_1RB_Right  | 21.51                | /    | /   | 21.63     | /    | /   | <=30  | Pass    |
|                                      |                 | Outer_Full      | 24.21                | /    | /   | 24.33     | /    | /   | <=30  | Pass    |
|                                      |                 | Inner_Full      | 25.15                | /    | /   | 25.27     | /    | /   | <=30  | Pass    |
|                                      |                 | Inner_1RB_Left  | 25.20                | /    | /   | 25.32     | /    | /   | <=30  | Pass    |
|                                      |                 | Inner_1RB_Right | 25.13                | /    | /   | 25.25     | /    | /   | <=30  | Pass    |
|                                      | 3840            | Edge_1RB_Left   | 21.75                | /    | /   | 21.87     | /    | /   | <=30  | Pass    |
|                                      |                 | Edge_1RB_Right  | 22.02                | /    | /   | 22.14     | /    | /   | <=30  | Pass    |
|                                      |                 | Outer_Full      | 24.41                | /    | /   | 24.53     | /    | /   | <=30  | Pass    |
|                                      |                 | Inner_Full      | 25.11                | /    | /   | 25.23     | /    | /   | <=30  | Pass    |
|                                      |                 | Inner_1RB_Left  | 25.30                | /    | /   | 25.42     | /    | /   | <=30  | Pass    |
|                                      |                 | Inner_1RB_Right | 25.66                | /    | /   | 25.78     | /    | /   | <=30  | Pass    |
|                                      | 3930            | Edge_1RB_Left   | 21.98                | /    | /   | 22.10     | /    | /   | <=30  | Pass    |
|                                      |                 | Edge_1RB_Right  | 22.08                | /    | /   | 22.20     | /    | /   | <=30  | Pass    |
|                                      |                 | Outer_Full      | 24.66                | /    | /   | 24.78     | /    | /   | <=30  | Pass    |
|                                      |                 | Inner_Full      | 25.52                | /    | /   | 25.64     | /    | /   | <=30  | Pass    |
|                                      |                 | Inner_1RB_Left  | 25.60                | /    | /   | 25.72     | /    | /   | <=30  | Pass    |
|                                      |                 | Inner_1RB_Right | 25.73                | /    | /   | 25.85     | /    | /   | <=30  | Pass    |
| DFT-s-OFDM 16 QAM                    | 3750            | Edge_1RB_Left   | 21.64                | /    | /   | 21.76     | /    | /   | <=30  | Pass    |
|                                      |                 | Edge_1RB_Right  | 21.49                | /    | /   | 21.61     | /    | /   | <=30  | Pass    |
|                                      |                 | Outer_Full      | 23.13                | /    | /   | 23.25     | /    | /   | <=30  | Pass    |
|                                      |                 | Inner_Full      | 24.16                | /    | /   | 24.28     | /    | /   | <=30  | Pass    |
|                                      |                 | Inner_1RB_Left  | 24.04                | /    | /   | 24.16     | /    | /   | <=30  | Pass    |
|                                      |                 | Inner_1RB_Right | 23.91                | /    | /   | 24.03     | /    | /   | <=30  | Pass    |
|                                      | 3840            | Edge_1RB_Left   | 21.64                | /    | /   | 21.76     | /    | /   | <=30  | Pass    |
|                                      |                 | Edge_1RB_Right  | 21.99                | /    | /   | 22.11     | /    | /   | <=30  | Pass    |

|                    |      |                 |       |   |   |       |   |   |      |      |
|--------------------|------|-----------------|-------|---|---|-------|---|---|------|------|
|                    |      | Outer_Full      | 23.24 | / | / | 23.36 | / | / | <=30 | Pass |
|                    |      | Inner_Full      | 24.10 | / | / | 24.22 | / | / | <=30 | Pass |
|                    |      | Inner_1RB_Left  | 24.02 | / | / | 24.14 | / | / | <=30 | Pass |
|                    |      | Inner_1RB_Right | 24.34 | / | / | 24.46 | / | / | <=30 | Pass |
|                    | 3930 | Edge_1RB_Left   | 21.98 | / | / | 22.10 | / | / | <=30 | Pass |
|                    |      | Edge_1RB_Right  | 22.01 | / | / | 22.13 | / | / | <=30 | Pass |
|                    |      | Outer_Full      | 23.61 | / | / | 23.73 | / | / | <=30 | Pass |
|                    |      | Inner_Full      | 24.48 | / | / | 24.60 | / | / | <=30 | Pass |
|                    |      | Inner_1RB_Left  | 24.28 | / | / | 24.40 | / | / | <=30 | Pass |
|                    |      | Inner_1RB_Right | 24.43 | / | / | 24.55 | / | / | <=30 | Pass |
| DFT-s-OFDM 64 QAM  | 3750 | Edge_1RB_Left   | 21.73 | / | / | 21.85 | / | / | <=30 | Pass |
|                    |      | Edge_1RB_Right  | 21.63 | / | / | 21.75 | / | / | <=30 | Pass |
|                    |      | Outer_Full      | 22.59 | / | / | 22.71 | / | / | <=30 | Pass |
|                    |      | Inner_Full      | 22.72 | / | / | 22.84 | / | / | <=30 | Pass |
|                    |      | Inner_1RB_Left  | 22.75 | / | / | 22.87 | / | / | <=30 | Pass |
|                    |      | Inner_1RB_Right | 22.69 | / | / | 22.81 | / | / | <=30 | Pass |
|                    | 3840 | Edge_1RB_Left   | 21.82 | / | / | 21.94 | / | / | <=30 | Pass |
|                    |      | Edge_1RB_Right  | 22.15 | / | / | 22.27 | / | / | <=30 | Pass |
|                    |      | Outer_Full      | 22.79 | / | / | 22.91 | / | / | <=30 | Pass |
|                    |      | Inner_Full      | 22.68 | / | / | 22.80 | / | / | <=30 | Pass |
|                    |      | Inner_1RB_Left  | 22.74 | / | / | 22.86 | / | / | <=30 | Pass |
|                    |      | Inner_1RB_Right | 23.03 | / | / | 23.15 | / | / | <=30 | Pass |
|                    | 3930 | Edge_1RB_Left   | 22.06 | / | / | 22.18 | / | / | <=30 | Pass |
|                    |      | Edge_1RB_Right  | 22.12 | / | / | 22.24 | / | / | <=30 | Pass |
|                    |      | Outer_Full      | 23.09 | / | / | 23.21 | / | / | <=30 | Pass |
|                    |      | Inner_Full      | 23.08 | / | / | 23.20 | / | / | <=30 | Pass |
|                    |      | Inner_1RB_Left  | 23.03 | / | / | 23.15 | / | / | <=30 | Pass |
|                    |      | Inner_1RB_Right | 23.09 | / | / | 23.21 | / | / | <=30 | Pass |
| DFT-s-OFDM 256 QAM | 3750 | Edge_1RB_Left   | 20.82 | / | / | 20.94 | / | / | <=30 | Pass |
|                    |      | Edge_1RB_Right  | 20.61 | / | / | 20.73 | / | / | <=30 | Pass |
|                    |      | Outer_Full      | 20.64 | / | / | 20.76 | / | / | <=30 | Pass |
|                    |      | Inner_Full      | 20.69 | / | / | 20.81 | / | / | <=30 | Pass |
|                    |      | Inner_1RB_Left  | 20.76 | / | / | 20.88 | / | / | <=30 | Pass |
|                    |      | Inner_1RB_Right | 20.62 | / | / | 20.74 | / | / | <=30 | Pass |
|                    | 3840 | Edge_1RB_Left   | 20.77 | / | / | 20.89 | / | / | <=30 | Pass |
|                    |      | Edge_1RB_Right  | 21.06 | / | / | 21.18 | / | / | <=30 | Pass |
|                    |      | Outer_Full      | 20.86 | / | / | 20.98 | / | / | <=30 | Pass |
|                    |      | Inner_Full      | 20.69 | / | / | 20.81 | / | / | <=30 | Pass |
|                    |      | Inner_1RB_Left  | 20.77 | / | / | 20.89 | / | / | <=30 | Pass |
|                    |      | Inner_1RB_Right | 21.07 | / | / | 21.19 | / | / | <=30 | Pass |
|                    | 3930 | Edge_1RB_Left   | 21.02 | / | / | 21.14 | / | / | <=30 | Pass |
|                    |      | Edge_1RB_Right  | 21.08 | / | / | 21.20 | / | / | <=30 | Pass |
|                    |      | Outer_Full      | 21.06 | / | / | 21.18 | / | / | <=30 | Pass |
|                    |      | Inner_Full      | 21.00 | / | / | 21.12 | / | / | <=30 | Pass |
|                    |      | Inner_1RB_Left  | 21.00 | / | / | 21.12 | / | / | <=30 | Pass |
|                    |      | Inner_1RB_Right | 21.08 | / | / | 21.20 | / | / | <=30 | Pass |
| CP-OFDM QPSK       | 3750 | Edge_1RB_Left   | 21.92 | / | / | 22.04 | / | / | <=30 | Pass |
|                    |      | Edge_1RB_Right  | 21.76 | / | / | 21.88 | / | / | <=30 | Pass |
|                    |      | Outer_Full      | 22.12 | / | / | 22.24 | / | / | <=30 | Pass |
|                    |      | Inner_Full      | 23.55 | / | / | 23.67 | / | / | <=30 | Pass |
|                    |      | Inner_1RB_Left  | 24.05 | / | / | 24.17 | / | / | <=30 | Pass |
|                    |      | Inner_1RB_Right | 23.88 | / | / | 24.00 | / | / | <=30 | Pass |
|                    | 3840 | Edge_1RB_Left   | 21.95 | / | / | 22.07 | / | / | <=30 | Pass |
|                    |      | Edge_1RB_Right  | 22.26 | / | / | 22.38 | / | / | <=30 | Pass |
|                    |      | Outer_Full      | 22.34 | / | / | 22.46 | / | / | <=30 | Pass |
|                    |      | Inner_Full      | 23.56 | / | / | 23.68 | / | / | <=30 | Pass |
|                    |      | Inner_1RB_Left  | 23.99 | / | / | 24.11 | / | / | <=30 | Pass |
|                    |      | Inner_1RB_Right | 24.35 | / | / | 24.47 | / | / | <=30 | Pass |
|                    | 3930 | Edge_1RB_Left   | 22.17 | / | / | 22.29 | / | / | <=30 | Pass |

|                 |      |                 |       |   |   |       |   |   |      |      |
|-----------------|------|-----------------|-------|---|---|-------|---|---|------|------|
|                 |      | Edge_1RB_Right  | 22.25 | / | / | 22.37 | / | / | <=30 | Pass |
|                 |      | Outer_Full      | 22.62 | / | / | 22.74 | / | / | <=30 | Pass |
|                 |      | Inner_Full      | 23.90 | / | / | 24.02 | / | / | <=30 | Pass |
|                 |      | Inner_1RB_Left  | 24.29 | / | / | 24.41 | / | / | <=30 | Pass |
|                 |      | Inner_1RB_Right | 24.35 | / | / | 24.47 | / | / | <=30 | Pass |
| CP-OFDM 16 QAM  | 3750 | Edge_1RB_Left   | 21.72 | / | / | 21.84 | / | / | <=30 | Pass |
|                 |      | Edge_1RB_Right  | 21.66 | / | / | 21.78 | / | / | <=30 | Pass |
|                 |      | Outer_Full      | 22.25 | / | / | 22.37 | / | / | <=30 | Pass |
|                 |      | Inner_Full      | 23.20 | / | / | 23.32 | / | / | <=30 | Pass |
|                 |      | Inner_1RB_Left  | 23.21 | / | / | 23.33 | / | / | <=30 | Pass |
|                 | 3840 | Inner_1RB_Right | 23.06 | / | / | 23.18 | / | / | <=30 | Pass |
|                 |      | Edge_1RB_Left   | 21.72 | / | / | 21.84 | / | / | <=30 | Pass |
|                 |      | Edge_1RB_Right  | 22.14 | / | / | 22.26 | / | / | <=30 | Pass |
|                 |      | Outer_Full      | 22.32 | / | / | 22.44 | / | / | <=30 | Pass |
|                 |      | Inner_Full      | 23.24 | / | / | 23.36 | / | / | <=30 | Pass |
|                 | 3930 | Inner_1RB_Left  | 23.24 | / | / | 23.36 | / | / | <=30 | Pass |
|                 |      | Inner_1RB_Right | 23.56 | / | / | 23.68 | / | / | <=30 | Pass |
|                 |      | Edge_1RB_Left   | 22.01 | / | / | 22.13 | / | / | <=30 | Pass |
|                 |      | Edge_1RB_Right  | 22.15 | / | / | 22.27 | / | / | <=30 | Pass |
|                 |      | Outer_Full      | 22.63 | / | / | 22.75 | / | / | <=30 | Pass |
| CP-OFDM 64 QAM  | 3750 | Inner_Full      | 23.62 | / | / | 23.74 | / | / | <=30 | Pass |
|                 |      | Inner_1RB_Left  | 23.51 | / | / | 23.63 | / | / | <=30 | Pass |
|                 |      | Inner_1RB_Right | 23.62 | / | / | 23.74 | / | / | <=30 | Pass |
|                 |      | Edge_1RB_Left   | 21.69 | / | / | 21.81 | / | / | <=30 | Pass |
|                 |      | Edge_1RB_Right  | 21.68 | / | / | 21.80 | / | / | <=30 | Pass |
|                 | 3840 | Outer_Full      | 21.83 | / | / | 21.95 | / | / | <=30 | Pass |
|                 |      | Inner_Full      | 21.69 | / | / | 21.81 | / | / | <=30 | Pass |
|                 |      | Inner_1RB_Left  | 21.73 | / | / | 21.85 | / | / | <=30 | Pass |
|                 |      | Inner_1RB_Right | 21.63 | / | / | 21.75 | / | / | <=30 | Pass |
|                 |      | Edge_1RB_Left   | 21.77 | / | / | 21.89 | / | / | <=30 | Pass |
|                 | 3930 | Edge_1RB_Right  | 22.16 | / | / | 22.28 | / | / | <=30 | Pass |
|                 |      | Outer_Full      | 21.85 | / | / | 21.97 | / | / | <=30 | Pass |
|                 |      | Inner_Full      | 21.66 | / | / | 21.78 | / | / | <=30 | Pass |
|                 |      | Inner_1RB_Left  | 21.87 | / | / | 21.99 | / | / | <=30 | Pass |
|                 |      | Inner_1RB_Right | 22.13 | / | / | 22.25 | / | / | <=30 | Pass |
| CP-OFDM 256 QAM | 3750 | Edge_1RB_Left   | 22.09 | / | / | 22.21 | / | / | <=30 | Pass |
|                 |      | Edge_1RB_Right  | 22.21 | / | / | 22.33 | / | / | <=30 | Pass |
|                 |      | Outer_Full      | 22.15 | / | / | 22.27 | / | / | <=30 | Pass |
|                 |      | Inner_Full      | 22.10 | / | / | 22.22 | / | / | <=30 | Pass |
|                 |      | Inner_1RB_Left  | 22.10 | / | / | 22.22 | / | / | <=30 | Pass |
|                 | 3840 | Inner_1RB_Right | 22.18 | / | / | 22.30 | / | / | <=30 | Pass |
|                 |      | Edge_1RB_Left   | 18.86 | / | / | 18.98 | / | / | <=30 | Pass |
|                 |      | Edge_1RB_Right  | 18.64 | / | / | 18.76 | / | / | <=30 | Pass |
|                 |      | Outer_Full      | 18.65 | / | / | 18.77 | / | / | <=30 | Pass |
|                 |      | Inner_Full      | 18.75 | / | / | 18.87 | / | / | <=30 | Pass |
|                 | 3930 | Inner_1RB_Left  | 18.89 | / | / | 19.01 | / | / | <=30 | Pass |
|                 |      | Inner_1RB_Right | 18.69 | / | / | 18.81 | / | / | <=30 | Pass |
|                 |      | Edge_1RB_Left   | 18.77 | / | / | 18.89 | / | / | <=30 | Pass |
|                 |      | Edge_1RB_Right  | 19.11 | / | / | 19.23 | / | / | <=30 | Pass |
|                 |      | Outer_Full      | 18.87 | / | / | 18.99 | / | / | <=30 | Pass |
|                 | 3840 | Inner_Full      | 18.78 | / | / | 18.90 | / | / | <=30 | Pass |
|                 |      | Inner_1RB_Left  | 18.87 | / | / | 18.99 | / | / | <=30 | Pass |
|                 |      | Inner_1RB_Right | 19.14 | / | / | 19.26 | / | / | <=30 | Pass |
|                 | 3930 | Edge_1RB_Left   | 19.10 | / | / | 19.22 | / | / | <=30 | Pass |
|                 |      | Edge_1RB_Right  | 19.18 | / | / | 19.30 | / | / | <=30 | Pass |
|                 |      | Outer_Full      | 19.07 | / | / | 19.19 | / | / | <=30 | Pass |
|                 |      | Inner_Full      | 19.05 | / | / | 19.17 | / | / | <=30 | Pass |
|                 |      | Inner_1RB_Left  | 19.11 | / | / | 19.23 | / | / | <=30 | Pass |
|                 |      | Inner_1RB_Right | 19.21 | / | / | 19.33 | / | / | <=30 | Pass |

Note1: Antenna Gain: Ant3: 0.12dBi;  
Note2: EIRP=Conducted Power+Antenna Gain

## 2. Frequency Stability

### 2.1 Test Result

#### 2.1.1 30k\_SISO\_100MHz

| 5G NR n77a SCS=30kHz SISO 100MHz |                 |               |            |       |                  |                       |                |         |
|----------------------------------|-----------------|---------------|------------|-------|------------------|-----------------------|----------------|---------|
| Modulation                       | Frequency (MHz) | RB Allocation | Temp. (°C) | Volt. | Freq. Error (Hz) | Freq. vs. rated (ppm) |                | Verdict |
|                                  |                 |               |            |       |                  | Result                | Limit          |         |
| DFT-s-OFDM QPSK                  | 3840            | Outer_Full    | 20         | LV    | 18.10            | 0.0047                | >=-2.5 & <=2.5 | Pass    |
|                                  |                 |               |            | HV    | 12.50            | 0.0033                | >=-2.5 & <=2.5 | Pass    |
|                                  |                 |               | -30        | NV    | -2.50            | -0.0007               | >=-2.5 & <=2.5 | Pass    |
|                                  |                 |               | -20        | NV    | 16.90            | 0.0044                | >=-2.5 & <=2.5 | Pass    |
|                                  |                 |               | -10        | NV    | -11.10           | -0.0029               | >=-2.5 & <=2.5 | Pass    |
|                                  |                 |               | 0          | NV    | 8.10             | 0.0021                | >=-2.5 & <=2.5 | Pass    |
|                                  |                 |               | 10         | NV    | -8.00            | -0.0021               | >=-2.5 & <=2.5 | Pass    |
|                                  |                 |               | 20         | NV    | 14.60            | 0.0038                | >=-2.5 & <=2.5 | Pass    |
|                                  |                 |               | 30         | NV    | 15.40            | 0.0040                | >=-2.5 & <=2.5 | Pass    |
|                                  |                 |               | 40         | NV    | 14.00            | 0.0036                | >=-2.5 & <=2.5 | Pass    |
|                                  |                 |               | 50         | NV    | -3.40            | -0.0009               | >=-2.5 & <=2.5 | Pass    |

## 3. 99% & 26dB Bandwidth

### 3.1 Test Result

#### 3.1.1 30k\_SISO\_10MHz\_NTNV

| 5G NR n77a SCS=30kHz SISO 10MHz NTN |                 |               |                     |                      |             |         |
|-------------------------------------|-----------------|---------------|---------------------|----------------------|-------------|---------|
| Modulation                          | Frequency (MHz) | RB Allocation | 99% Bandwidth (MHz) | 26dB Bandwidth (MHz) | Limit (MHz) | Verdict |
| DFT-s-OFDM PI/2 BPSK                | 3840            | Outer_Full    | 8.70                | 10.27                | /           | Pass    |
| DFT-s-OFDM QPSK                     | 3840            | Outer_Full    | 8.62                | 9.46                 | /           | Pass    |
| DFT-s-OFDM 16 QAM                   | 3840            | Outer_Full    | 8.68                | 9.89                 | /           | Pass    |
| DFT-s-OFDM 64 QAM                   | 3840            | Outer_Full    | 8.63                | 9.81                 | /           | Pass    |
| DFT-s-OFDM 256 QAM                  | 3840            | Outer_Full    | 8.65                | 10.24                | /           | Pass    |
| CP-OFDM QPSK                        | 3840            | Outer_Full    | 8.75                | 9.90                 | /           | Pass    |
| CP-OFDM 16 QAM                      | 3840            | Outer_Full    | 8.70                | 9.95                 | /           | Pass    |
| CP-OFDM 64 QAM                      | 3840            | Outer_Full    | 8.70                | 9.46                 | /           | Pass    |
| CP-OFDM 256 QAM                     | 3840            | Outer_Full    | 8.67                | 9.90                 | /           | Pass    |

#### 3.1.2 30k\_SISO\_20MHz\_NTNV

| 5G NR n77a SCS=30kHz SISO 20MHz NTN |                 |               |                     |                      |             |         |
|-------------------------------------|-----------------|---------------|---------------------|----------------------|-------------|---------|
| Modulation                          | Frequency (MHz) | RB Allocation | 99% Bandwidth (MHz) | 26dB Bandwidth (MHz) | Limit (MHz) | Verdict |
| DFT-s-OFDM PI/2 BPSK                | 3840            | Outer_Full    | 18.19               | 19.35                | /           | Pass    |
| DFT-s-OFDM QPSK                     | 3840            | Outer_Full    | 18.11               | 19.36                | /           | Pass    |
| DFT-s-OFDM 16 QAM                   | 3840            | Outer_Full    | 18.13               | 19.43                | /           | Pass    |
| DFT-s-OFDM 64 QAM                   | 3840            | Outer_Full    | 18.10               | 20.17                | /           | Pass    |

|                    |      |            |       |       |   |      |
|--------------------|------|------------|-------|-------|---|------|
| DFT-s-OFDM 256 QAM | 3840 | Outer_Full | 18.00 | 19.61 | / | Pass |
| CP-OFDM QPSK       | 3840 | Outer_Full | 18.42 | 19.91 | / | Pass |
| CP-OFDM 16 QAM     | 3840 | Outer_Full | 18.32 | 19.79 | / | Pass |
| CP-OFDM 64 QAM     | 3840 | Outer_Full | 18.33 | 19.68 | / | Pass |
| CP-OFDM 256 QAM    | 3840 | Outer_Full | 18.27 | 19.93 | / | Pass |

### 3.1.3 30k\_SISO\_30MHz\_NTNV

| 5G NR n77a SCS=30kHz SISO 30MHz NTN |                 |               |                     |                      |             |         |
|-------------------------------------|-----------------|---------------|---------------------|----------------------|-------------|---------|
| Modulation                          | Frequency (MHz) | RB Allocation | 99% Bandwidth (MHz) | 26dB Bandwidth (MHz) | Limit (MHz) | Verdict |
| DFT-s-OFDM PI/2 BPSK                | 3840            | Outer_Full    | 26.97               | 29.26                | /           | Pass    |
| DFT-s-OFDM QPSK                     | 3840            | Outer_Full    | 27.21               | 28.80                | /           | Pass    |
| DFT-s-OFDM 16 QAM                   | 3840            | Outer_Full    | 27.08               | 28.84                | /           | Pass    |
| DFT-s-OFDM 64 QAM                   | 3840            | Outer_Full    | 27.23               | 29.34                | /           | Pass    |
| DFT-s-OFDM 256 QAM                  | 3840            | Outer_Full    | 27.17               | 29.16                | /           | Pass    |
| CP-OFDM QPSK                        | 3840            | Outer_Full    | 28.09               | 30.12                | /           | Pass    |
| CP-OFDM 16 QAM                      | 3840            | Outer_Full    | 28.17               | 29.96                | /           | Pass    |
| CP-OFDM 64 QAM                      | 3840            | Outer_Full    | 28.03               | 30.16                | /           | Pass    |
| CP-OFDM 256 QAM                     | 3840            | Outer_Full    | 28.16               | 29.97                | /           | Pass    |

### 3.1.4 30k\_SISO\_40MHz\_NTNV

| 5G NR n77a SCS=30kHz SISO 40MHz NTN |                 |               |                     |                      |             |         |
|-------------------------------------|-----------------|---------------|---------------------|----------------------|-------------|---------|
| Modulation                          | Frequency (MHz) | RB Allocation | 99% Bandwidth (MHz) | 26dB Bandwidth (MHz) | Limit (MHz) | Verdict |
| DFT-s-OFDM PI/2 BPSK                | 3840            | Outer_Full    | 36.05               | 38.54                | /           | Pass    |
| DFT-s-OFDM QPSK                     | 3840            | Outer_Full    | 35.98               | 38.35                | /           | Pass    |
| DFT-s-OFDM 16 QAM                   | 3840            | Outer_Full    | 36.13               | 38.45                | /           | Pass    |
| DFT-s-OFDM 64 QAM                   | 3840            | Outer_Full    | 36.21               | 38.63                | /           | Pass    |
| DFT-s-OFDM 256 QAM                  | 3840            | Outer_Full    | 36.10               | 38.30                | /           | Pass    |
| CP-OFDM QPSK                        | 3840            | Outer_Full    | 38.20               | 40.65                | /           | Pass    |
| CP-OFDM 16 QAM                      | 3840            | Outer_Full    | 38.18               | 40.96                | /           | Pass    |
| CP-OFDM 64 QAM                      | 3840            | Outer_Full    | 38.37               | 40.98                | /           | Pass    |
| CP-OFDM 256 QAM                     | 3840            | Outer_Full    | 37.95               | 40.54                | /           | Pass    |

### 3.1.5 30k\_SISO\_50MHz\_NTNV

| 5G NR n77a SCS=30kHz SISO 50MHz NTN |                 |               |                     |                      |             |         |
|-------------------------------------|-----------------|---------------|---------------------|----------------------|-------------|---------|
| Modulation                          | Frequency (MHz) | RB Allocation | 99% Bandwidth (MHz) | 26dB Bandwidth (MHz) | Limit (MHz) | Verdict |
| DFT-s-OFDM PI/2 BPSK                | 3840            | Outer_Full    | 46.11               | 49.29                | /           | Pass    |
| DFT-s-OFDM QPSK                     | 3840            | Outer_Full    | 46.11               | 48.95                | /           | Pass    |
| DFT-s-OFDM 16 QAM                   | 3840            | Outer_Full    | 46.44               | 48.98                | /           | Pass    |
| DFT-s-OFDM 64 QAM                   | 3840            | Outer_Full    | 46.27               | 49.11                | /           | Pass    |
| DFT-s-OFDM 256 QAM                  | 3840            | Outer_Full    | 46.04               | 49.18                | /           | Pass    |
| CP-OFDM QPSK                        | 3840            | Outer_Full    | 47.91               | 51.07                | /           | Pass    |
| CP-OFDM 16 QAM                      | 3840            | Outer_Full    | 48.16               | 50.90                | /           | Pass    |
| CP-OFDM 64 QAM                      | 3840            | Outer_Full    | 47.79               | 51.06                | /           | Pass    |
| CP-OFDM 256 QAM                     | 3840            | Outer_Full    | 47.85               | 51.12                | /           | Pass    |

### 3.1.6 30k\_SISO\_60MHz\_NTNV

| 5G NR n77a SCS=30kHz SISO 60MHz NTN |                 |               |                     |                      |             |         |
|-------------------------------------|-----------------|---------------|---------------------|----------------------|-------------|---------|
| Modulation                          | Frequency (MHz) | RB Allocation | 99% Bandwidth (MHz) | 26dB Bandwidth (MHz) | Limit (MHz) | Verdict |

|                      |      |            |       |       |   |      |
|----------------------|------|------------|-------|-------|---|------|
| DFT-s-OFDM PI/2 BPSK | 3840 | Outer_Full | 58.54 | 61.58 | / | Pass |
| DFT-s-OFDM QPSK      | 3840 | Outer_Full | 58.05 | 62.31 | / | Pass |
| DFT-s-OFDM 16 QAM    | 3840 | Outer_Full | 58.46 | 62.03 | / | Pass |
| DFT-s-OFDM 64 QAM    | 3840 | Outer_Full | 58.24 | 62.04 | / | Pass |
| DFT-s-OFDM 256 QAM   | 3840 | Outer_Full | 58.54 | 62.29 | / | Pass |
| CP-OFDM QPSK         | 3840 | Outer_Full | 58.33 | 62.38 | / | Pass |
| CP-OFDM 16 QAM       | 3840 | Outer_Full | 58.41 | 62.18 | / | Pass |
| CP-OFDM 64 QAM       | 3840 | Outer_Full | 58.43 | 62.14 | / | Pass |
| CP-OFDM 256 QAM      | 3840 | Outer_Full | 58.18 | 62.08 | / | Pass |

### 3.1.7 30k\_SISO\_70MHz\_NTNV

| 5G NR n77a SCS=30kHz SISO 70MHz NTN |                 |               |                     |                      |             |         |
|-------------------------------------|-----------------|---------------|---------------------|----------------------|-------------|---------|
| Modulation                          | Frequency (MHz) | RB Allocation | 99% Bandwidth (MHz) | 26dB Bandwidth (MHz) | Limit (MHz) | Verdict |
| DFT-s-OFDM PI/2 BPSK                | 3840            | Outer_Full    | 65.43               | 69.38                | /           | Pass    |
| DFT-s-OFDM QPSK                     | 3840            | Outer_Full    | 65.17               | 69.68                | /           | Pass    |
| DFT-s-OFDM 16 QAM                   | 3840            | Outer_Full    | 64.86               | 69.39                | /           | Pass    |
| DFT-s-OFDM 64 QAM                   | 3840            | Outer_Full    | 65.29               | 69.47                | /           | Pass    |
| DFT-s-OFDM 256 QAM                  | 3840            | Outer_Full    | 64.82               | 69.44                | /           | Pass    |
| CP-OFDM QPSK                        | 3840            | Outer_Full    | 68.11               | 72.61                | /           | Pass    |
| CP-OFDM 16 QAM                      | 3840            | Outer_Full    | 68.09               | 72.55                | /           | Pass    |
| CP-OFDM 64 QAM                      | 3840            | Outer_Full    | 68.19               | 72.70                | /           | Pass    |
| CP-OFDM 256 QAM                     | 3840            | Outer_Full    | 68.18               | 72.94                | /           | Pass    |

### 3.1.8 30k\_SISO\_80MHz\_NTNV

| 5G NR n77a SCS=30kHz SISO 80MHz NTN |                 |               |                     |                      |             |         |
|-------------------------------------|-----------------|---------------|---------------------|----------------------|-------------|---------|
| Modulation                          | Frequency (MHz) | RB Allocation | 99% Bandwidth (MHz) | 26dB Bandwidth (MHz) | Limit (MHz) | Verdict |
| DFT-s-OFDM PI/2 BPSK                | 3840            | Outer_Full    | 77.74               | 82.96                | /           | Pass    |
| DFT-s-OFDM QPSK                     | 3840            | Outer_Full    | 77.90               | 83.01                | /           | Pass    |
| DFT-s-OFDM 16 QAM                   | 3840            | Outer_Full    | 77.86               | 82.90                | /           | Pass    |
| DFT-s-OFDM 64 QAM                   | 3840            | Outer_Full    | 77.89               | 82.73                | /           | Pass    |
| DFT-s-OFDM 256 QAM                  | 3840            | Outer_Full    | 77.79               | 82.55                | /           | Pass    |
| CP-OFDM QPSK                        | 3840            | Outer_Full    | 77.93               | 83.00                | /           | Pass    |
| CP-OFDM 16 QAM                      | 3840            | Outer_Full    | 77.92               | 83.18                | /           | Pass    |
| CP-OFDM 64 QAM                      | 3840            | Outer_Full    | 78.06               | 83.43                | /           | Pass    |
| CP-OFDM 256 QAM                     | 3840            | Outer_Full    | 77.86               | 83.34                | /           | Pass    |

### 3.1.9 30k\_SISO\_90MHz\_NTNV

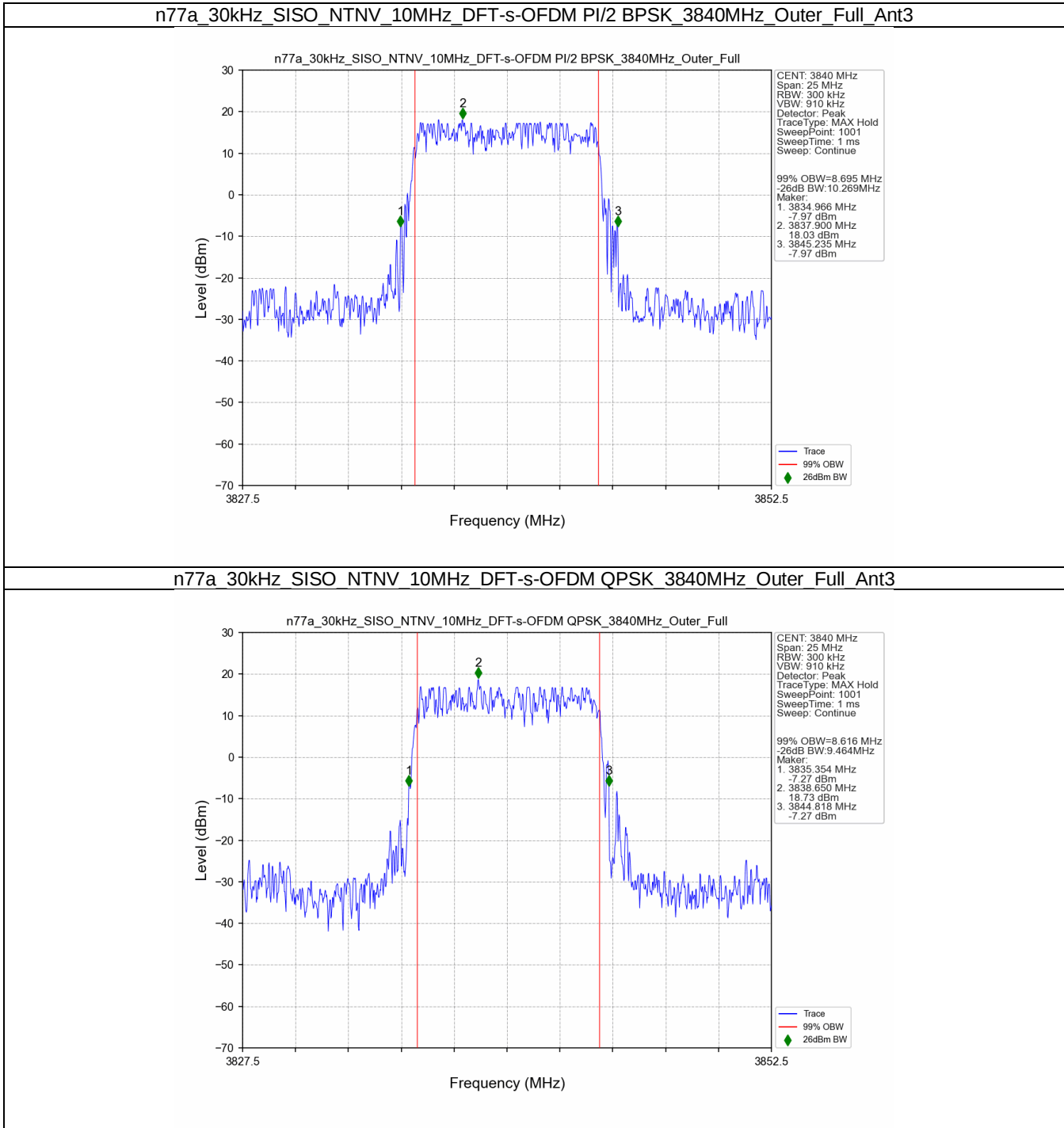
| 5G NR n77a SCS=30kHz SISO 90MHz NTN |                 |               |                     |                      |             |         |
|-------------------------------------|-----------------|---------------|---------------------|----------------------|-------------|---------|
| Modulation                          | Frequency (MHz) | RB Allocation | 99% Bandwidth (MHz) | 26dB Bandwidth (MHz) | Limit (MHz) | Verdict |
| DFT-s-OFDM PI/2 BPSK                | 3840            | Outer_Full    | 87.56               | 92.94                | /           | Pass    |
| DFT-s-OFDM QPSK                     | 3840            | Outer_Full    | 87.36               | 93.00                | /           | Pass    |
| DFT-s-OFDM 16 QAM                   | 3840            | Outer_Full    | 87.46               | 92.56                | /           | Pass    |
| DFT-s-OFDM 64 QAM                   | 3840            | Outer_Full    | 87.00               | 93.09                | /           | Pass    |
| DFT-s-OFDM 256 QAM                  | 3840            | Outer_Full    | 87.17               | 93.02                | /           | Pass    |
| CP-OFDM QPSK                        | 3840            | Outer_Full    | 87.95               | 93.52                | /           | Pass    |
| CP-OFDM 16 QAM                      | 3840            | Outer_Full    | 88.20               | 93.49                | /           | Pass    |
| CP-OFDM 64 QAM                      | 3840            | Outer_Full    | 88.12               | 93.98                | /           | Pass    |
| CP-OFDM 256 QAM                     | 3840            | Outer_Full    | 88.10               | 93.46                | /           | Pass    |

### 3.1.10 30k\_SISO\_100MHz\_NTNV

| 5G NR n77a SCS=30kHz SISO 100MHz NTN |                 |               |                     |                      |             |         |
|--------------------------------------|-----------------|---------------|---------------------|----------------------|-------------|---------|
| Modulation                           | Frequency (MHz) | RB Allocation | 99% Bandwidth (MHz) | 26dB Bandwidth (MHz) | Limit (MHz) | Verdict |
| DFT-s-OFDM PI/2 BPSK                 | 3840            | Outer_Full    | 97.42               | 103.40               | /           | Pass    |
| DFT-s-OFDM QPSK                      | 3840            | Outer_Full    | 97.15               | 103.08               | /           | Pass    |
| DFT-s-OFDM 16 QAM                    | 3840            | Outer_Full    | 97.56               | 103.36               | /           | Pass    |
| DFT-s-OFDM 64 QAM                    | 3840            | Outer_Full    | 97.27               | 103.49               | /           | Pass    |
| DFT-s-OFDM 256 QAM                   | 3840            | Outer_Full    | 97.45               | 102.98               | /           | Pass    |
| CP-OFDM QPSK                         | 3840            | Outer_Full    | 98.73               | 104.30               | /           | Pass    |
| CP-OFDM 16 QAM                       | 3840            | Outer_Full    | 98.41               | 104.46               | /           | Pass    |
| CP-OFDM 64 QAM                       | 3840            | Outer_Full    | 98.61               | 104.73               | /           | Pass    |
| CP-OFDM 256 QAM                      | 3840            | Outer_Full    | 98.09               | 104.62               | /           | Pass    |

# 3.2 Test Graph

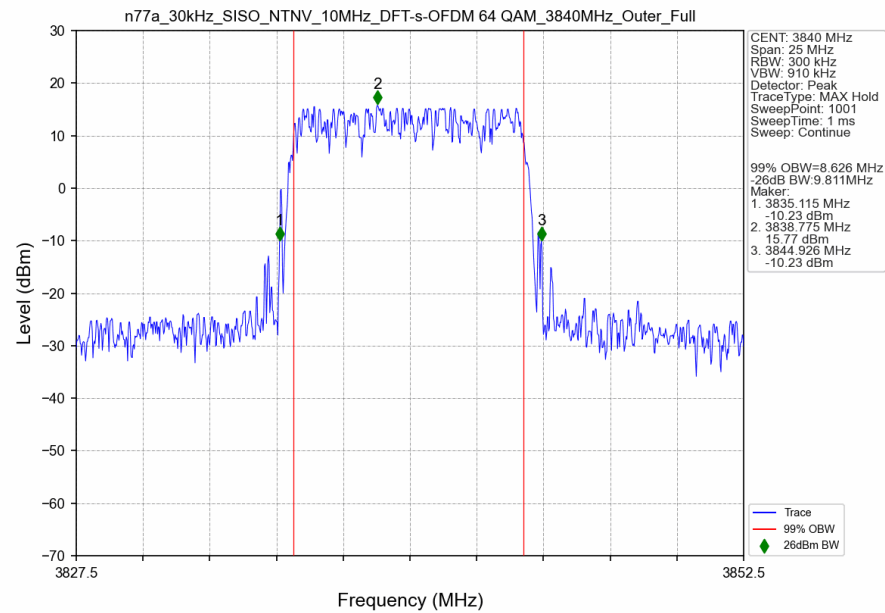
## 3.2.1 30k\_SISO\_10MHz\_NTNV



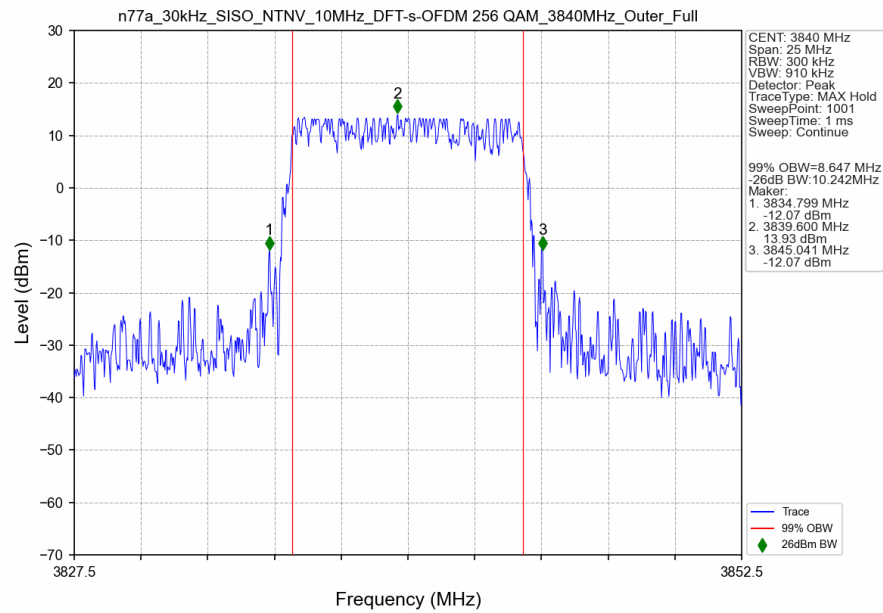
n77a\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM\_16\_QAM\_3840MHz\_Outer\_Full\_Ant3



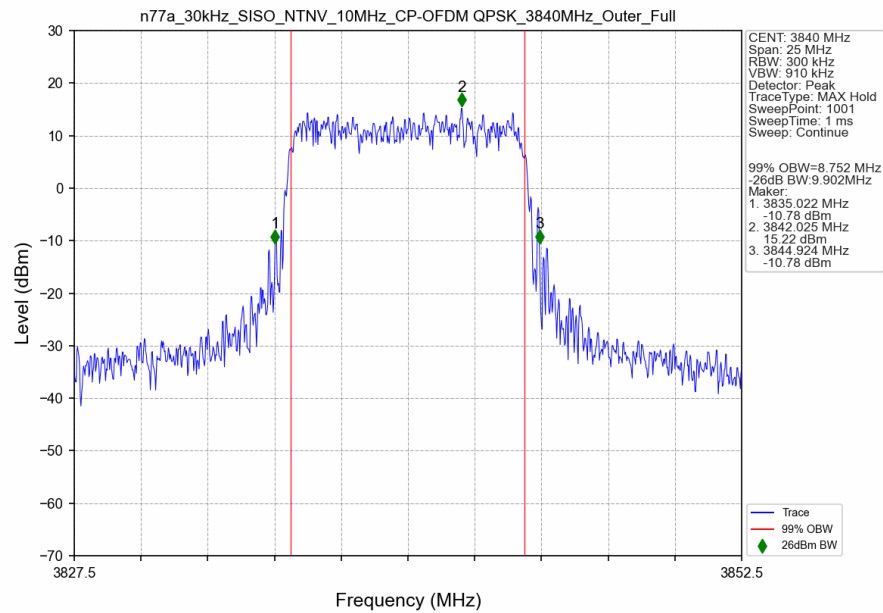
n77a\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM\_64\_QAM\_3840MHz\_Outer\_Full\_Ant3



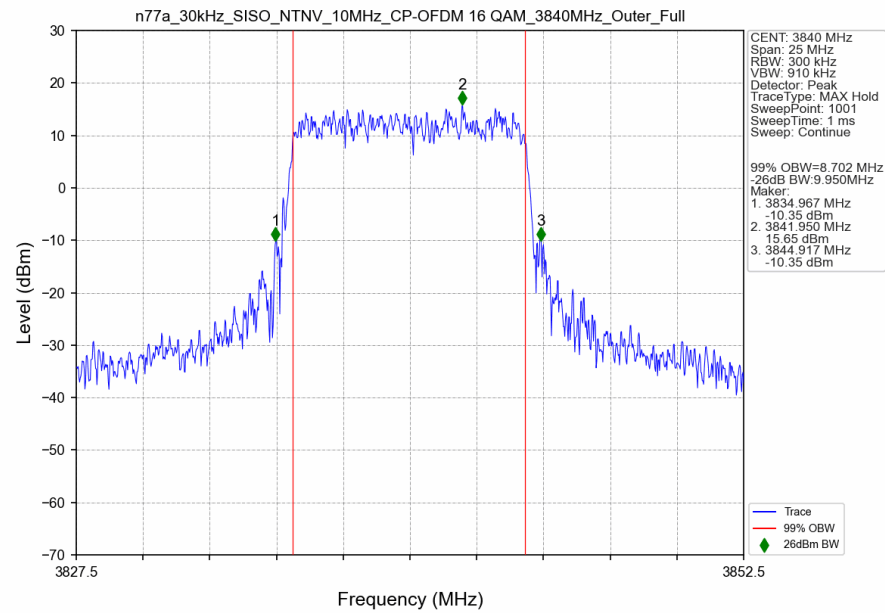
n77a\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM\_256\_QAM\_3840MHz\_Outer\_Full\_Ant3



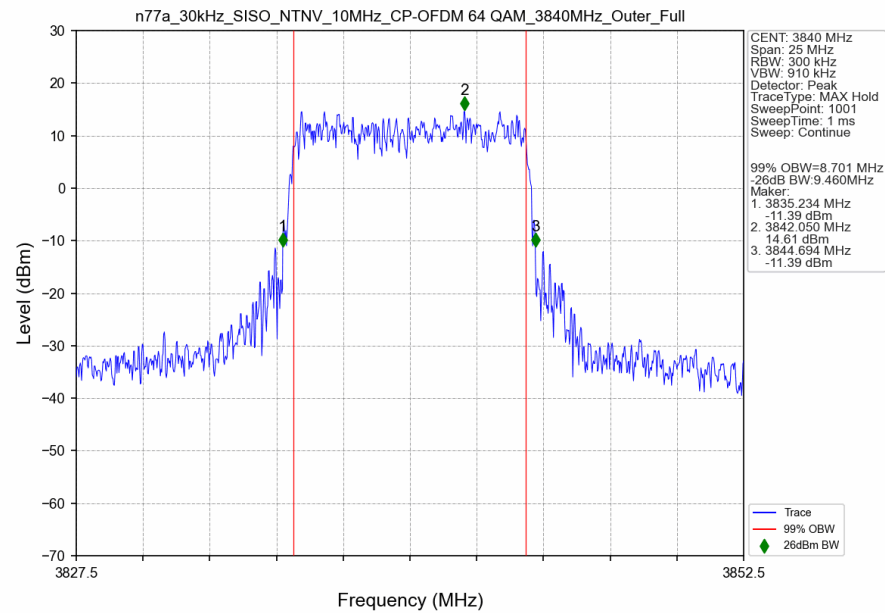
n77a\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM\_QPSK\_3840MHz\_Outer\_Full\_Ant3



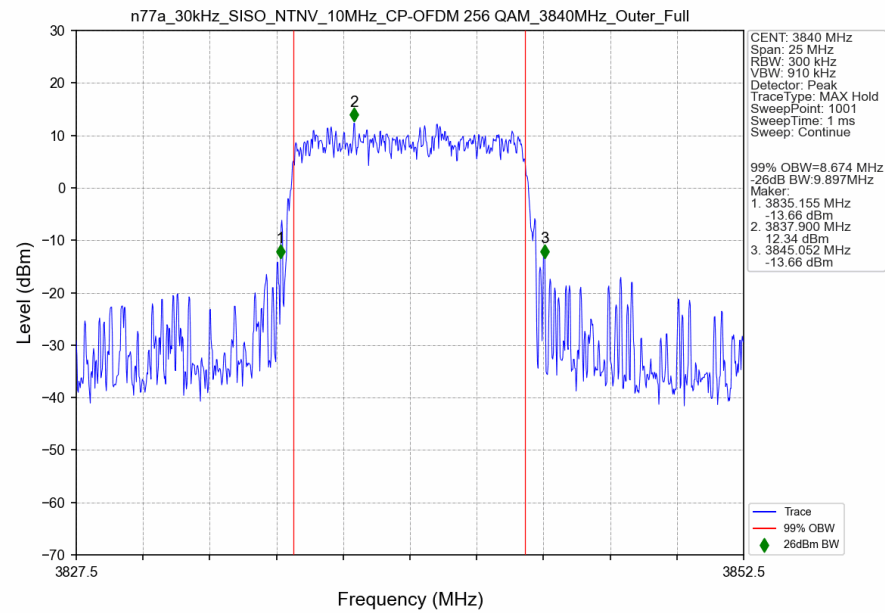
n77a\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM\_16\_QAM\_3840MHz\_Outer\_Full\_Ant3



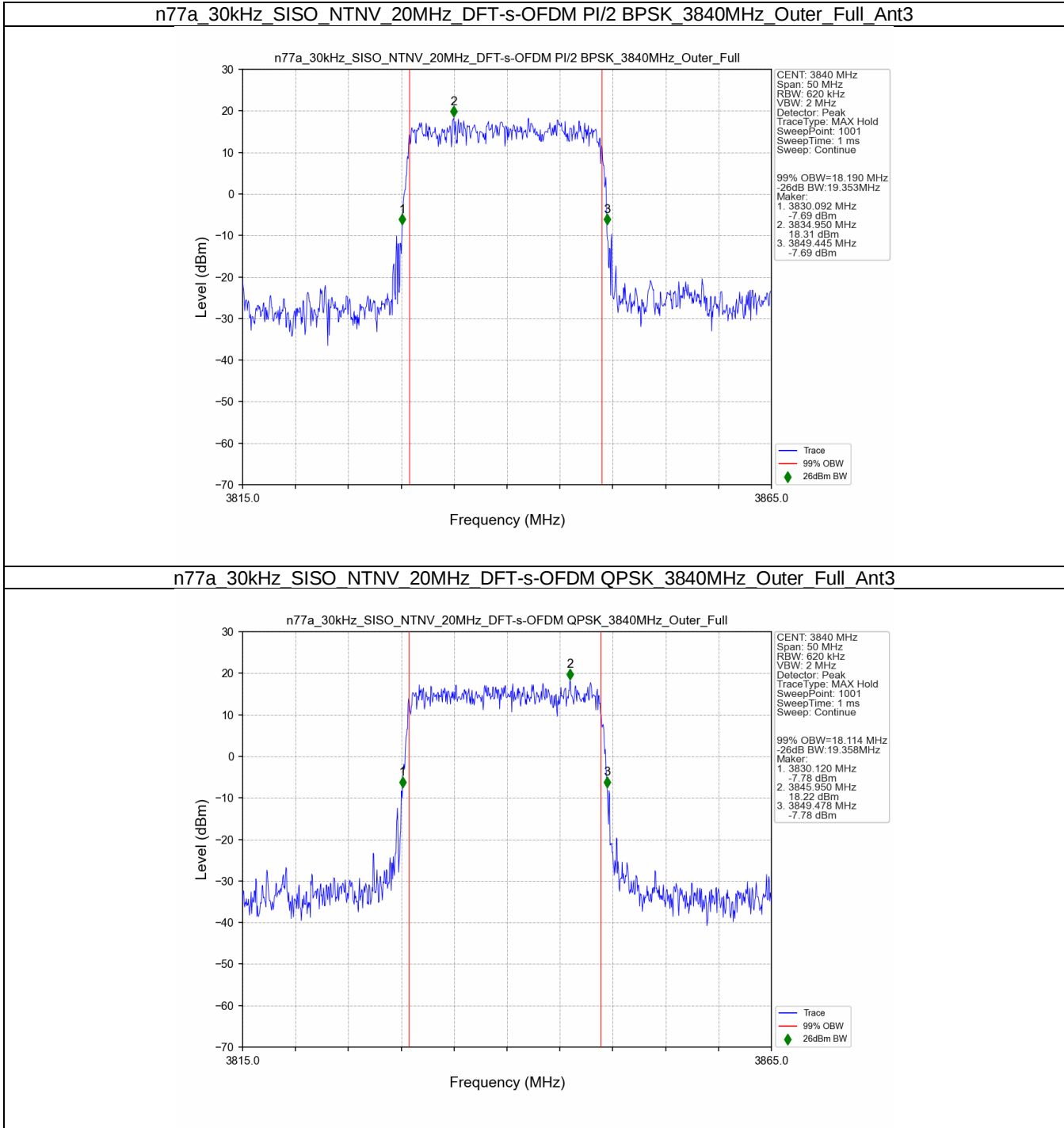
n77a\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM\_64\_QAM\_3840MHz\_Outer\_Full\_Ant3



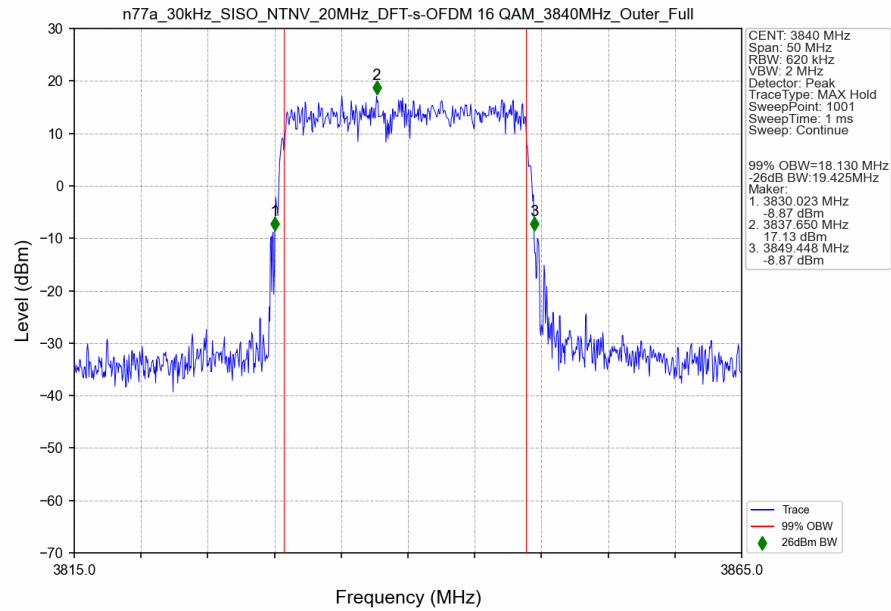
n77a\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM\_256\_QAM\_3840MHz\_Outer\_Full\_Ant3



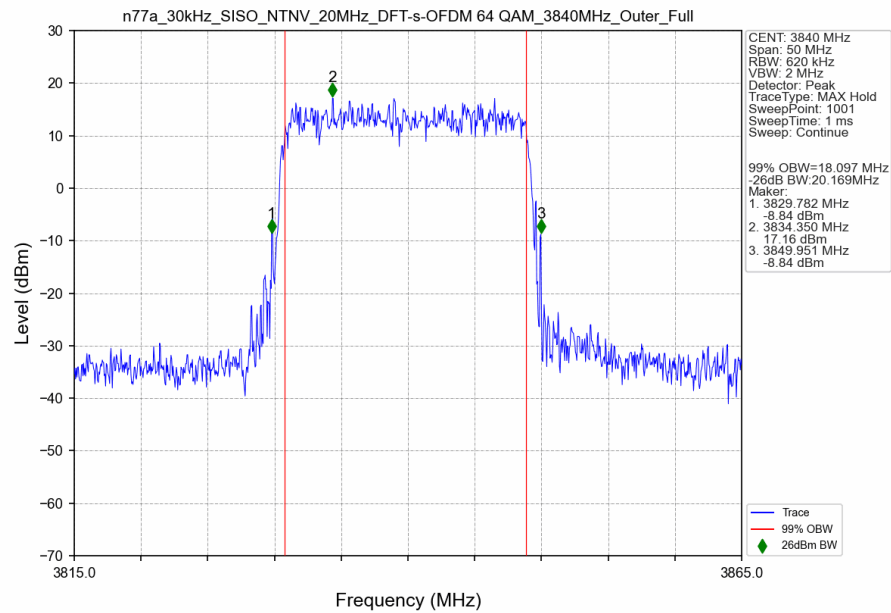
3.2.2 30k\_SISO\_20MHz\_NTNV



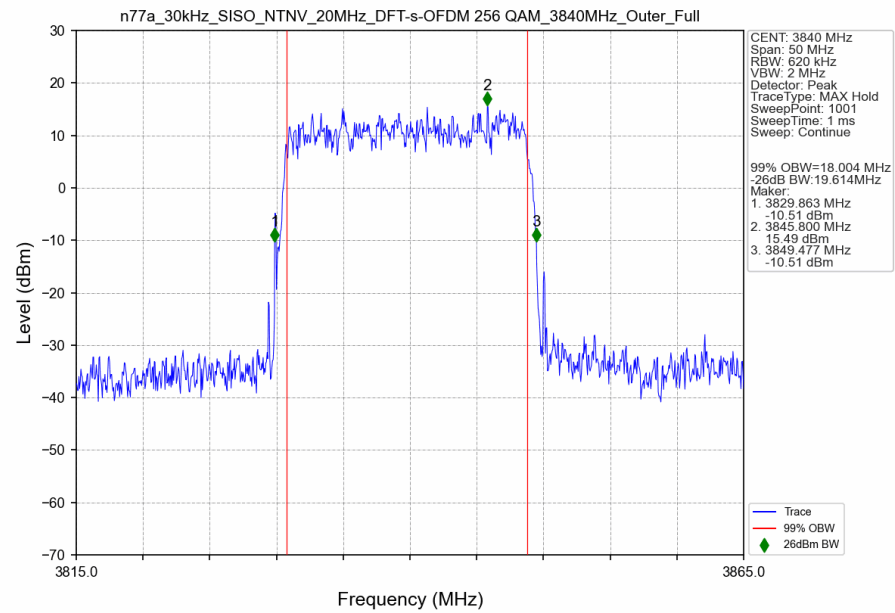
n77a\_30kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM\_16\_QAM\_3840MHz\_Outer\_Full\_Ant3



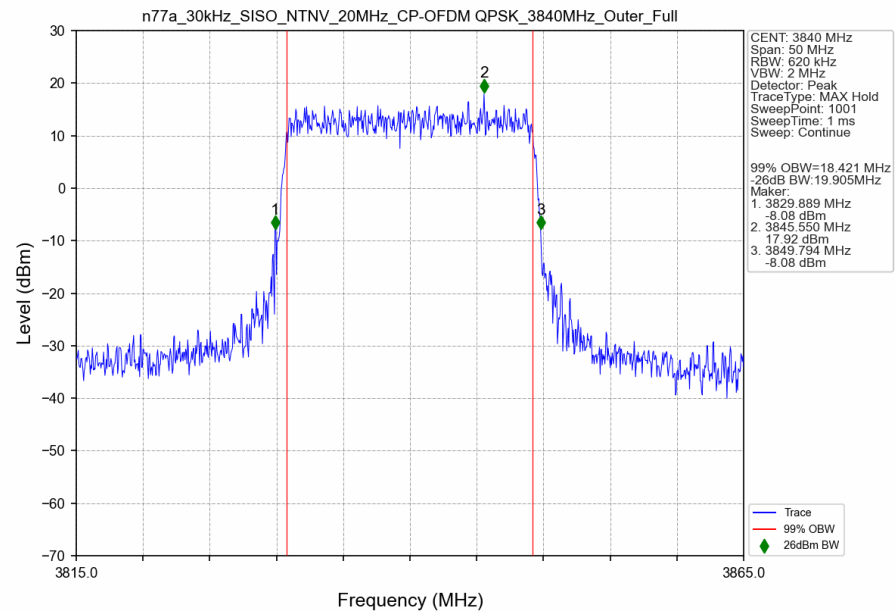
n77a\_30kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM\_64\_QAM\_3840MHz\_Outer\_Full\_Ant3



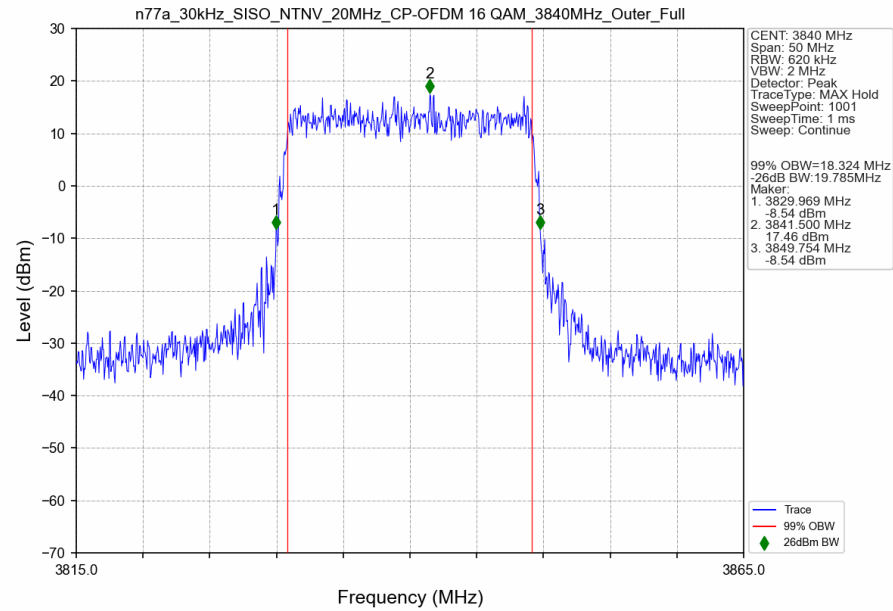
n77a\_30kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM\_256\_QAM\_3840MHz\_Outer\_Full\_Ant3



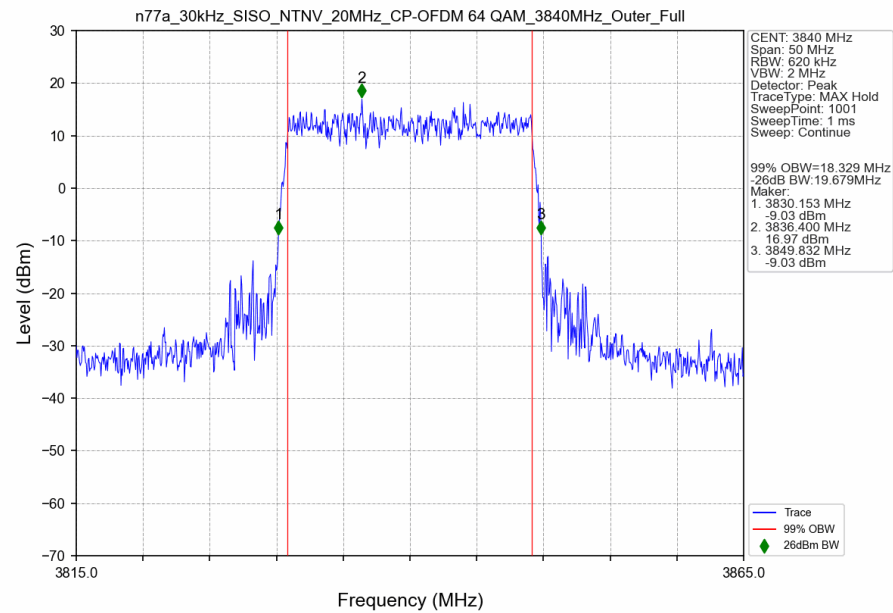
n77a\_30kHz\_SISO\_NTNV\_20MHz\_CP-OFDM\_QPSK\_3840MHz\_Outer\_Full\_Ant3



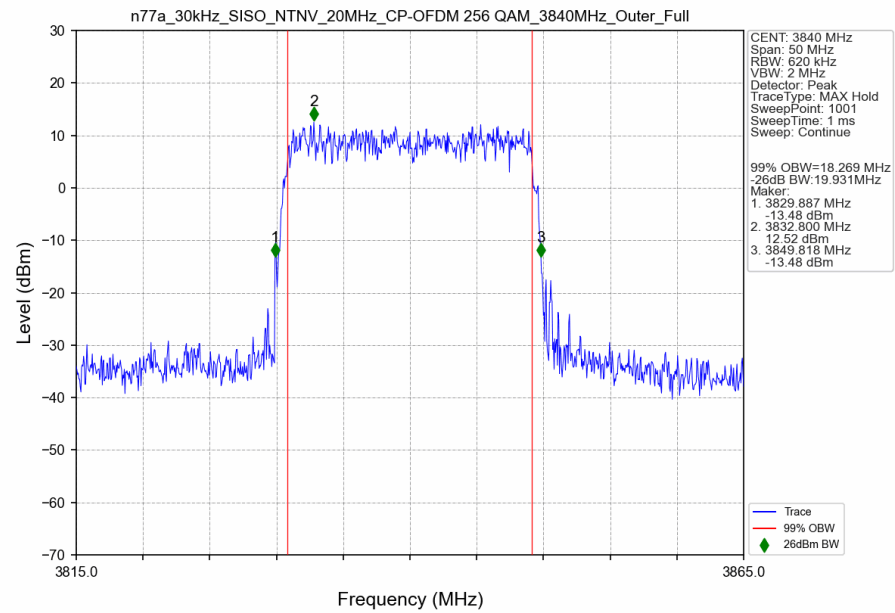
n77a\_30kHz\_SISO\_NTNV\_20MHz\_CP-OFDM\_16\_QAM\_3840MHz\_Outer\_Full\_Ant3



n77a\_30kHz\_SISO\_NTNV\_20MHz\_CP-OFDM\_64\_QAM\_3840MHz\_Outer\_Full\_Ant3

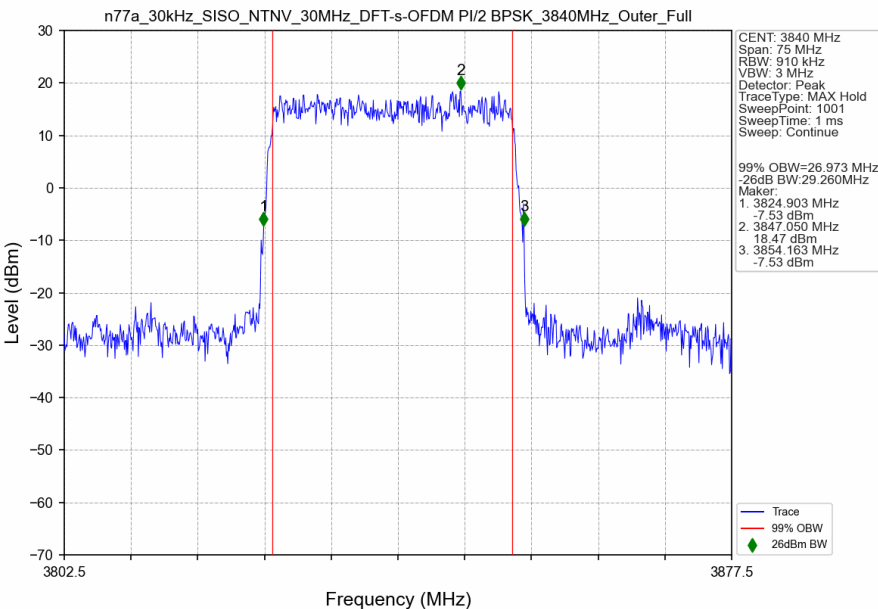


n77a\_30kHz\_SISO\_NTNV\_20MHz\_CP-OFDM\_256\_QAM\_3840MHz\_Outer\_Full\_Ant3

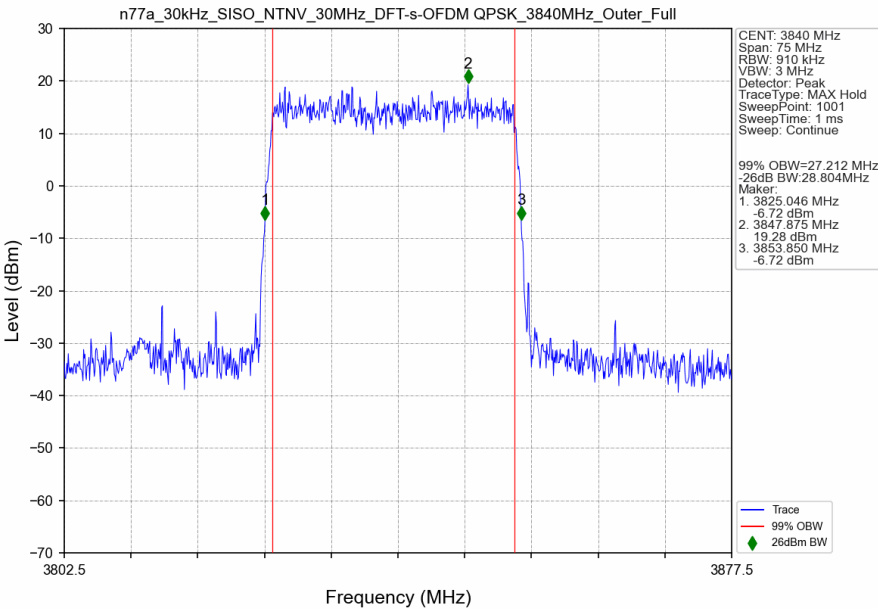


### 3.2.3 30k\_SISO\_30MHz\_NTNV

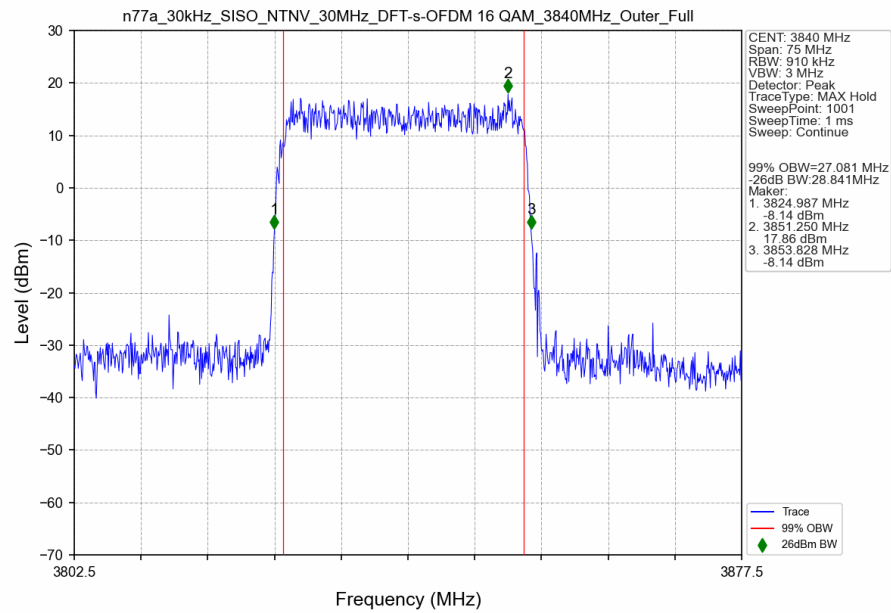
n77a\_30kHz\_SISO\_NTNV\_30MHz\_DFT-s-OFDM PI/2 BPSK\_3840MHz\_Outer\_Full\_Ant3



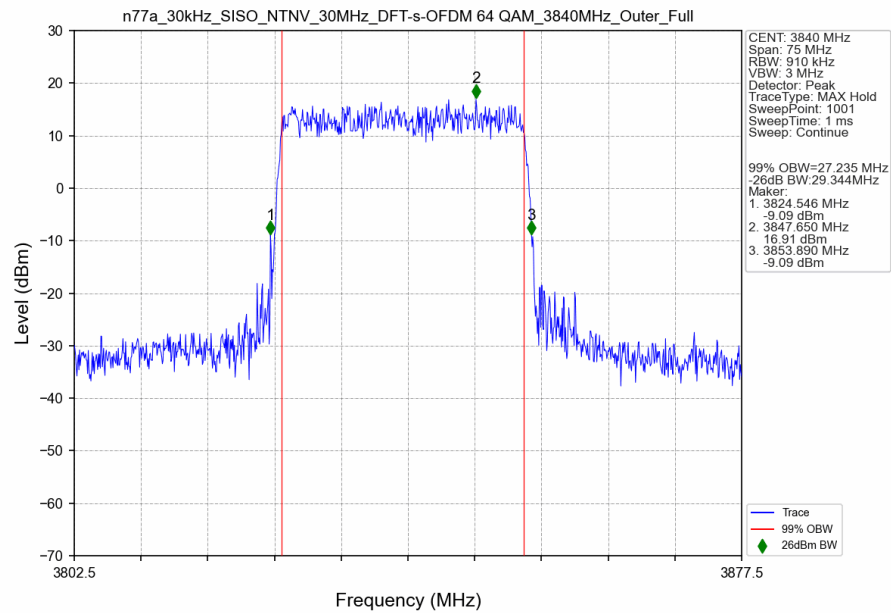
n77a\_30kHz\_SISO\_NTNV\_30MHz\_DFT-s-OFDM QPSK\_3840MHz\_Outer\_Full\_Ant3



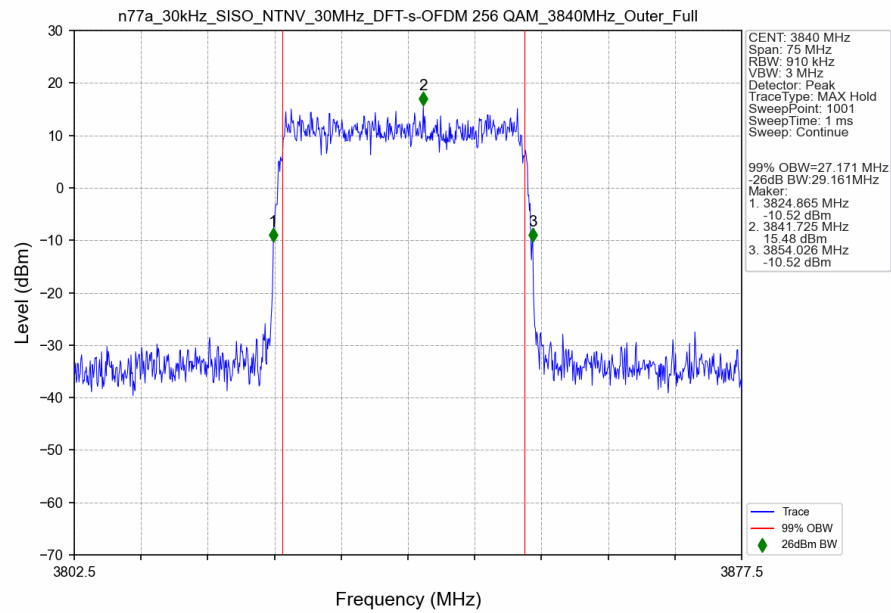
n77a\_30kHz\_SISO\_NTNV\_30MHz\_DFT-s-OFDM\_16\_QAM\_3840MHz\_Outer\_Full\_Ant3



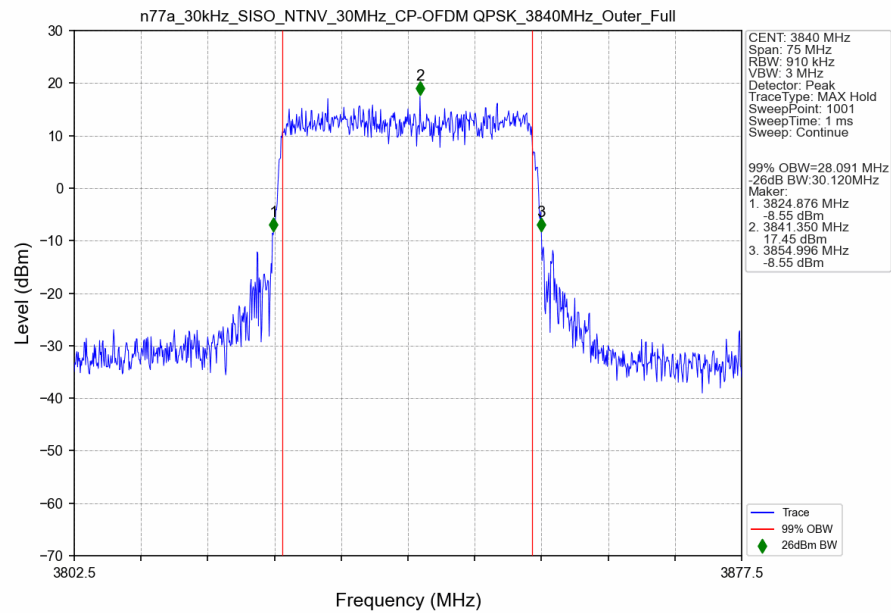
n77a\_30kHz\_SISO\_NTNV\_30MHz\_DFT-s-OFDM\_64\_QAM\_3840MHz\_Outer\_Full\_Ant3



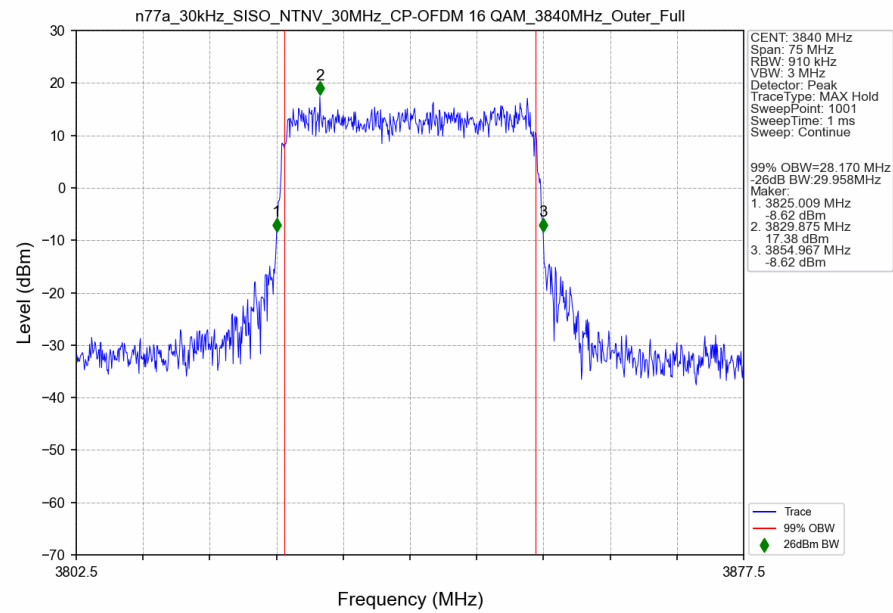
n77a\_30kHz\_SISO\_NTNV\_30MHz\_DFT-s-OFDM\_256\_QAM\_3840MHz\_Outer\_Full\_Ant3



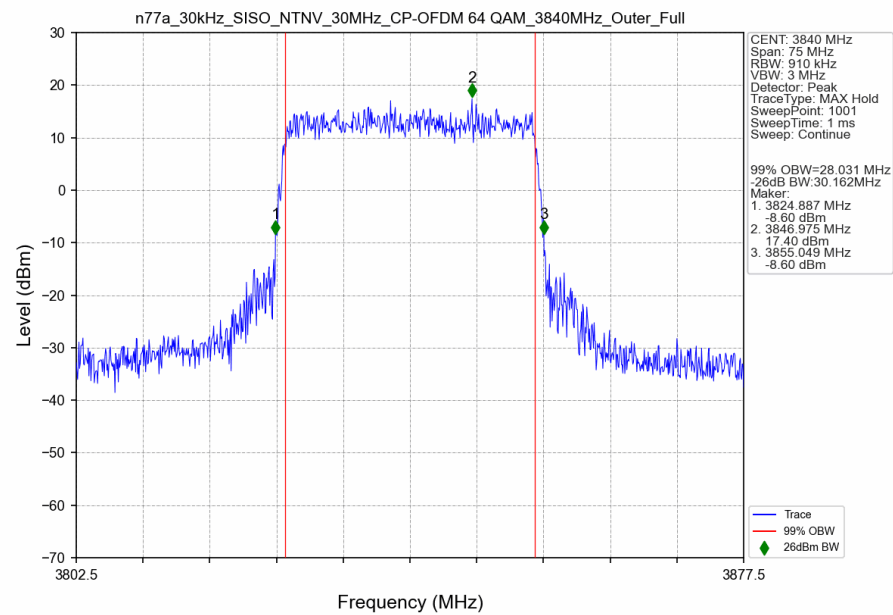
n77a\_30kHz\_SISO\_NTNV\_30MHz\_CP-OFDM\_QPSK\_3840MHz\_Outer\_Full\_Ant3



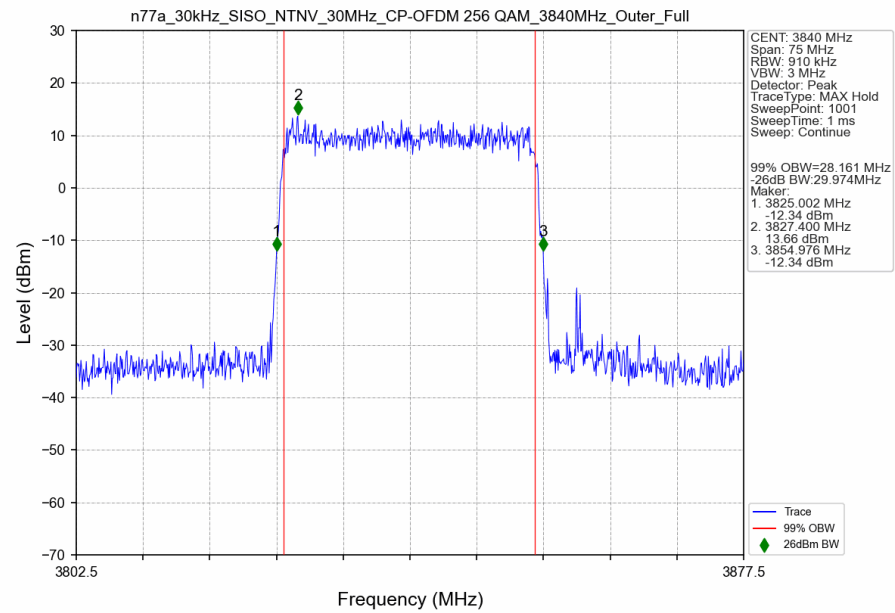
n77a\_30kHz\_SISO\_NTNV\_30MHz\_CP-OFDM\_16\_QAM\_3840MHz\_Outer\_Full\_Ant3



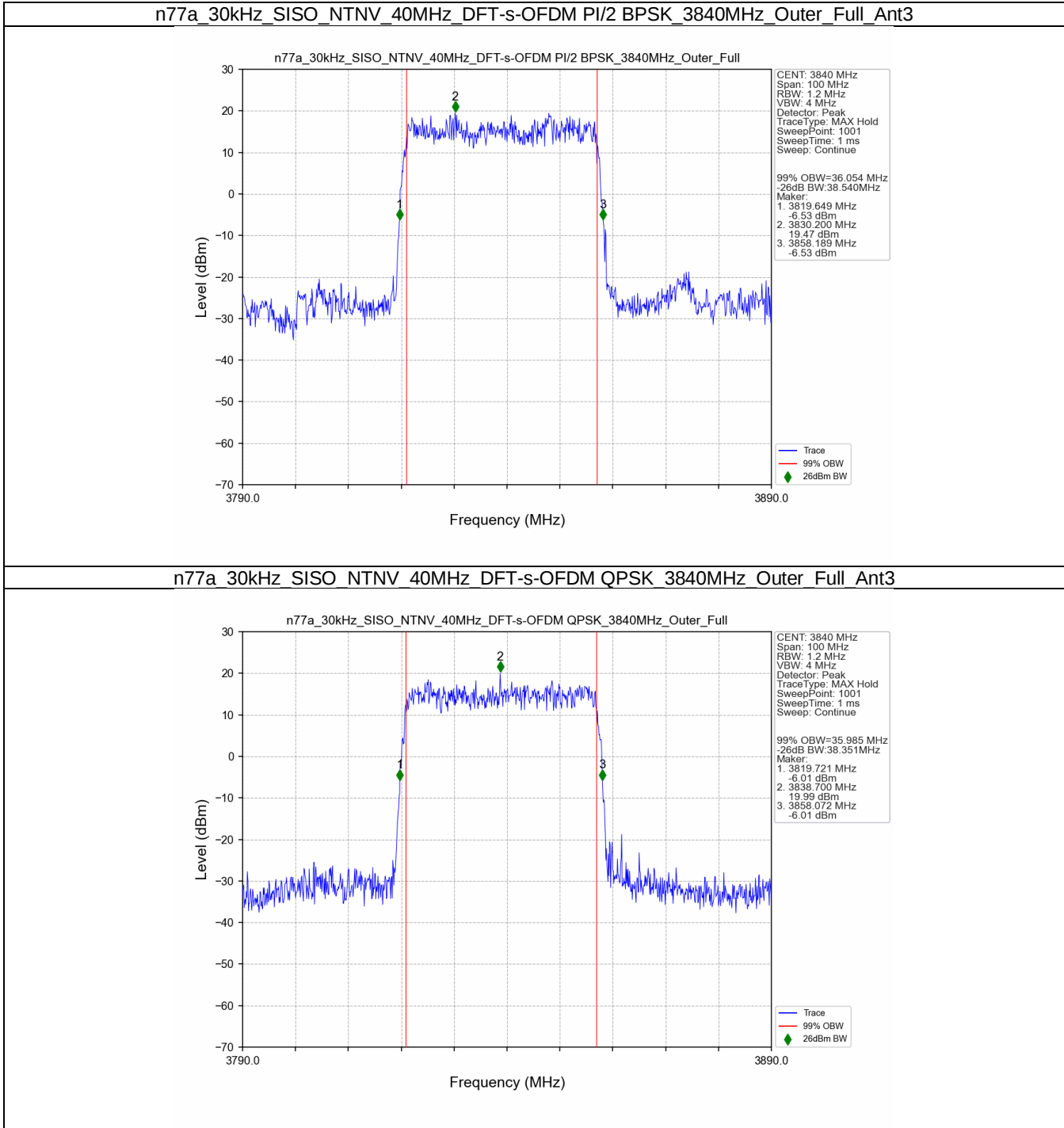
n77a\_30kHz\_SISO\_NTNV\_30MHz\_CP-OFDM\_64\_QAM\_3840MHz\_Outer\_Full\_Ant3



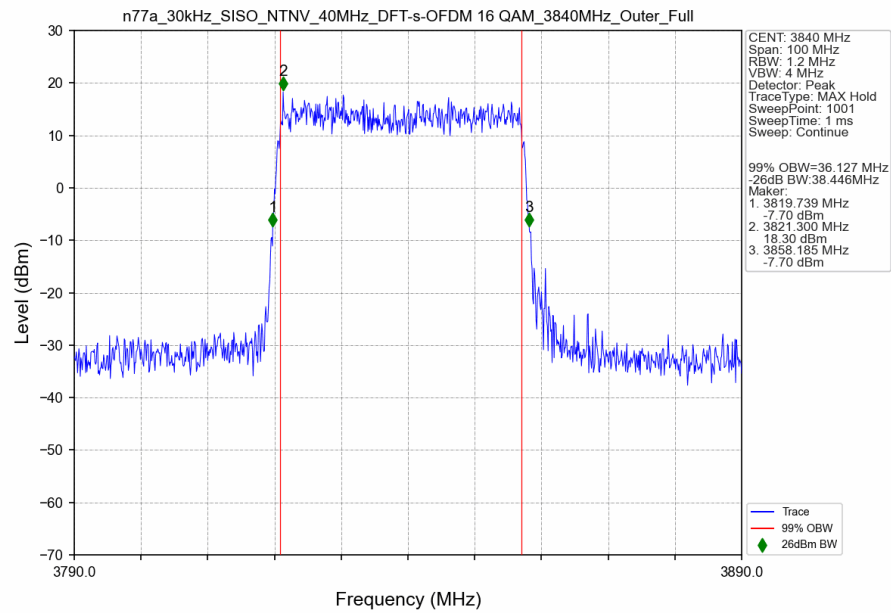
n77a\_30kHz\_SISO\_NTNV\_30MHz\_CP-OFDM\_256\_QAM\_3840MHz\_Outer\_Full\_Ant3



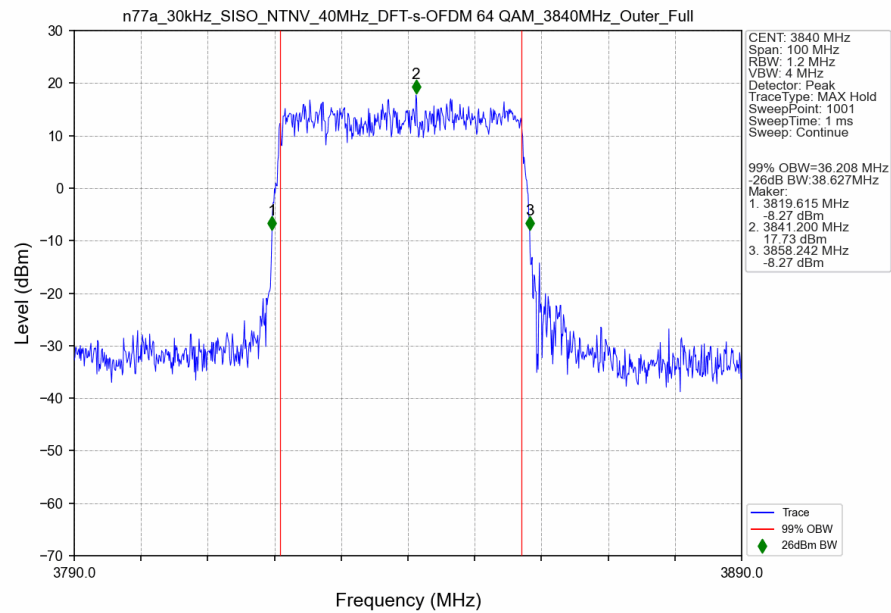
3.2.4 30k\_SISO\_40MHz\_NTNV



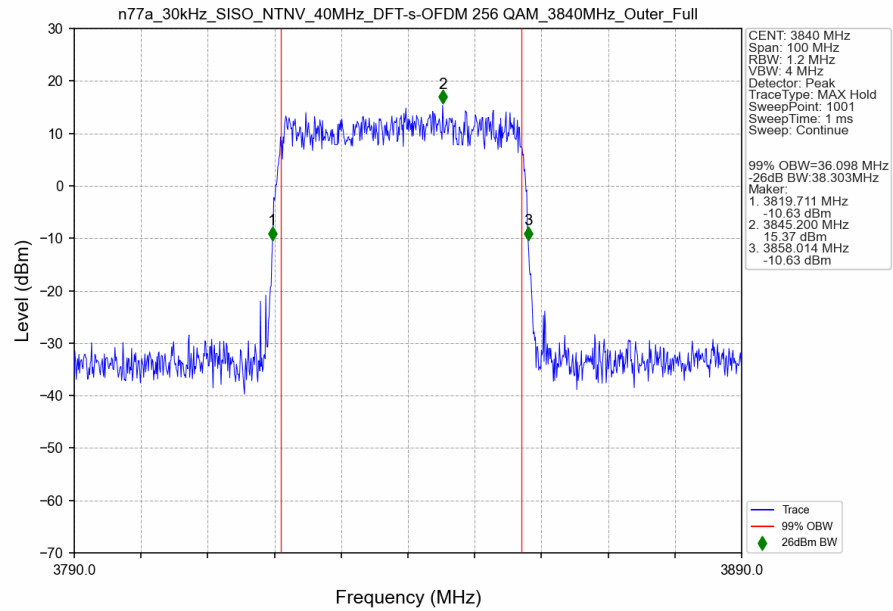
n77a\_30kHz\_SISO\_NTNV\_40MHz\_DFT-s-OFDM\_16\_QAM\_3840MHz\_Outer\_Full\_Ant3



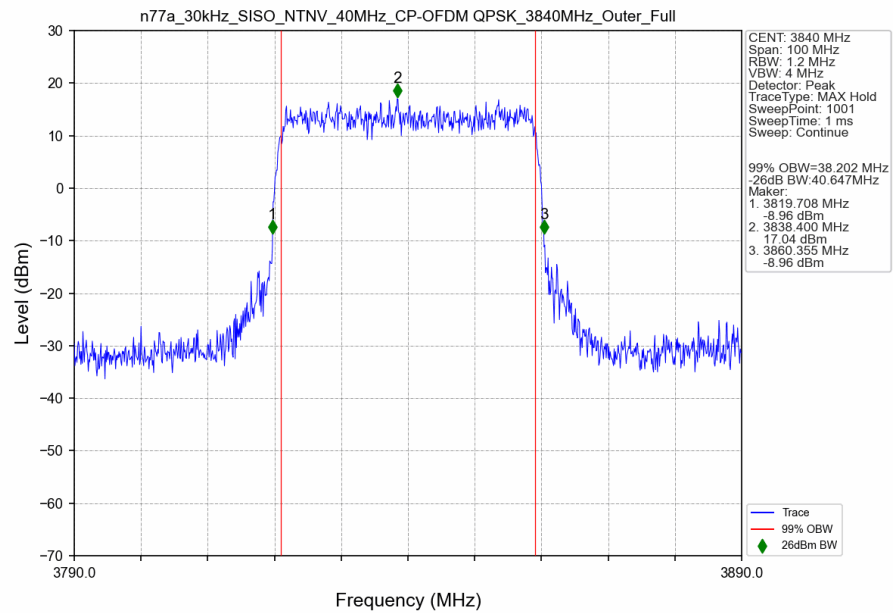
n77a\_30kHz\_SISO\_NTNV\_40MHz\_DFT-s-OFDM\_64\_QAM\_3840MHz\_Outer\_Full\_Ant3



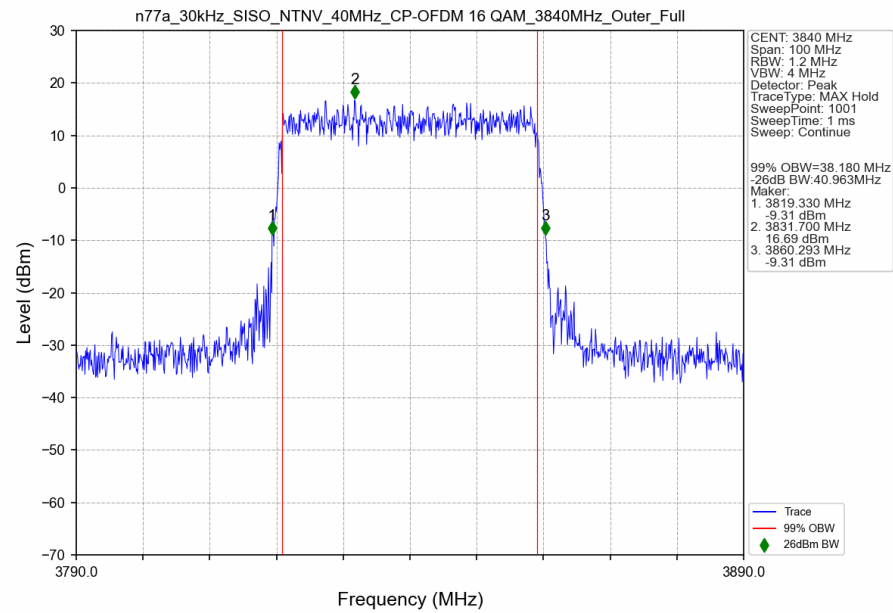
n77a\_30kHz\_SISO\_NTNV\_40MHz\_DFT-s-OFDM\_256\_QAM\_3840MHz\_Outer\_Full\_Ant3



n77a\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM\_QPSK\_3840MHz\_Outer\_Full\_Ant3



n77a\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM\_16\_QAM\_3840MHz\_Outer\_Full\_Ant3



n77a\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM\_64\_QAM\_3840MHz\_Outer\_Full\_Ant3

