

# 1. Effective (Isotropic) Radiated Power Output Data

## 1.1 Test Result

### 1.1.1 30k\_SISO\_20MHz\_NTNV\_EIRP

| 5G NR n77a SCS=30kHz SISO 20MHz NTN |                 |                 |                      |      |     |           |      |     |       |         |
|-------------------------------------|-----------------|-----------------|----------------------|------|-----|-----------|------|-----|-------|---------|
| Modulation                          | Frequency (MHz) | RB Allocation   | Conducted Power(dBm) |      |     | EIRP(dBm) |      |     |       | Verdict |
|                                     |                 |                 | Ant2                 | Ant0 | Sum | Ant2      | Ant0 | Sum | Limit |         |
| DFT-s-OFDM PI/2 BPSK                | 3710.01         | Edge_1RB_Left   | 21.16                | /    | /   | 23.66     | /    | /   | <=30  | Pass    |
|                                     |                 | Edge_1RB_Right  | 21.48                | /    | /   | 23.98     | /    | /   | <=30  | Pass    |
|                                     |                 | Outer_Full      | 24.19                | /    | /   | 26.69     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_Full      | 24.62                | /    | /   | 27.12     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_1RB_Left  | 24.65                | /    | /   | 27.15     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_1RB_Right | 24.98                | /    | /   | 27.48     | /    | /   | <=30  | Pass    |
|                                     | 3840            | Edge_1RB_Left   | 22.22                | /    | /   | 24.72     | /    | /   | <=30  | Pass    |
|                                     |                 | Edge_1RB_Right  | 21.94                | /    | /   | 24.44     | /    | /   | <=30  | Pass    |
|                                     |                 | Outer_Full      | 25.25                | /    | /   | 27.75     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_Full      | 25.79                | /    | /   | 28.29     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_1RB_Left  | 25.78                | /    | /   | 28.28     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_1RB_Right | 25.53                | /    | /   | 28.03     | /    | /   | <=30  | Pass    |
|                                     | 3969.99         | Edge_1RB_Left   | 21.56                | /    | /   | 24.06     | /    | /   | <=30  | Pass    |
|                                     |                 | Edge_1RB_Right  | 22.00                | /    | /   | 24.50     | /    | /   | <=30  | Pass    |
|                                     |                 | Outer_Full      | 24.89                | /    | /   | 27.39     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_Full      | 25.28                | /    | /   | 27.78     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_1RB_Left  | 25.17                | /    | /   | 27.67     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_1RB_Right | 25.53                | /    | /   | 28.03     | /    | /   | <=30  | Pass    |
| DFT-s-OFDM QPSK                     | 3710.01         | Edge_1RB_Left   | 21.14                | /    | /   | 23.64     | /    | /   | <=30  | Pass    |
|                                     |                 | Edge_1RB_Right  | 21.40                | /    | /   | 23.90     | /    | /   | <=30  | Pass    |
|                                     |                 | Outer_Full      | 23.69                | /    | /   | 26.19     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_Full      | 24.63                | /    | /   | 27.13     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_1RB_Left  | 24.60                | /    | /   | 27.10     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_1RB_Right | 24.96                | /    | /   | 27.46     | /    | /   | <=30  | Pass    |
|                                     | 3840            | Edge_1RB_Left   | 22.23                | /    | /   | 24.73     | /    | /   | <=30  | Pass    |
|                                     |                 | Edge_1RB_Right  | 21.88                | /    | /   | 24.38     | /    | /   | <=30  | Pass    |
|                                     |                 | Outer_Full      | 24.82                | /    | /   | 27.32     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_Full      | 25.82                | /    | /   | 28.32     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_1RB_Left  | 25.75                | /    | /   | 28.25     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_1RB_Right | 25.47                | /    | /   | 27.97     | /    | /   | <=30  | Pass    |
|                                     | 3969.99         | Edge_1RB_Left   | 21.49                | /    | /   | 23.99     | /    | /   | <=30  | Pass    |
|                                     |                 | Edge_1RB_Right  | 21.92                | /    | /   | 24.42     | /    | /   | <=30  | Pass    |
|                                     |                 | Outer_Full      | 24.30                | /    | /   | 26.80     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_Full      | 25.22                | /    | /   | 27.72     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_1RB_Left  | 25.04                | /    | /   | 27.54     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_1RB_Right | 25.49                | /    | /   | 27.99     | /    | /   | <=30  | Pass    |
| DFT-s-OFDM 16 QAM                   | 3710.01         | Edge_1RB_Left   | 21.00                | /    | /   | 23.50     | /    | /   | <=30  | Pass    |
|                                     |                 | Edge_1RB_Right  | 21.38                | /    | /   | 23.88     | /    | /   | <=30  | Pass    |
|                                     |                 | Outer_Full      | 22.74                | /    | /   | 25.24     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_Full      | 23.58                | /    | /   | 26.08     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_1RB_Left  | 23.52                | /    | /   | 26.02     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_1RB_Right | 23.78                | /    | /   | 26.28     | /    | /   | <=30  | Pass    |
|                                     | 3840            | Edge_1RB_Left   | 22.06                | /    | /   | 24.56     | /    | /   | <=30  | Pass    |
|                                     |                 | Edge_1RB_Right  | 21.78                | /    | /   | 24.28     | /    | /   | <=30  | Pass    |
|                                     |                 | Outer_Full      | 23.80                | /    | /   | 26.30     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_Full      | 24.72                | /    | /   | 27.22     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_1RB_Left  | 24.62                | /    | /   | 27.12     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_1RB_Right | 24.44                | /    | /   | 26.94     | /    | /   | <=30  | Pass    |
|                                     | 3969.99         | Edge_1RB_Left   | 21.49                | /    | /   | 23.99     | /    | /   | <=30  | Pass    |

|                    |         |                 |       |   |   |       |   |   |      |      |
|--------------------|---------|-----------------|-------|---|---|-------|---|---|------|------|
|                    |         | Edge_1RB_Right  | 21.89 | / | / | 24.39 | / | / | <=30 | Pass |
|                    |         | Outer_Full      | 23.36 | / | / | 25.86 | / | / | <=30 | Pass |
|                    |         | Inner_Full      | 24.24 | / | / | 26.74 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Left  | 23.96 | / | / | 26.46 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Right | 24.44 | / | / | 26.94 | / | / | <=30 | Pass |
| DFT-s-OFDM 64 QAM  | 3710.01 | Edge_1RB_Left   | 21.24 | / | / | 23.74 | / | / | <=30 | Pass |
|                    |         | Edge_1RB_Right  | 21.59 | / | / | 24.09 | / | / | <=30 | Pass |
|                    |         | Outer_Full      | 22.14 | / | / | 24.64 | / | / | <=30 | Pass |
|                    |         | Inner_Full      | 22.16 | / | / | 24.66 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Left  | 22.18 | / | / | 24.68 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Right | 22.50 | / | / | 25.00 | / | / | <=30 | Pass |
|                    | 3840    | Edge_1RB_Left   | 22.37 | / | / | 24.87 | / | / | <=30 | Pass |
|                    |         | Edge_1RB_Right  | 21.97 | / | / | 24.47 | / | / | <=30 | Pass |
|                    |         | Outer_Full      | 23.21 | / | / | 25.71 | / | / | <=30 | Pass |
|                    |         | Inner_Full      | 23.21 | / | / | 25.71 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Left  | 23.25 | / | / | 25.75 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Right | 23.05 | / | / | 25.55 | / | / | <=30 | Pass |
|                    | 3969.99 | Edge_1RB_Left   | 21.55 | / | / | 24.05 | / | / | <=30 | Pass |
|                    |         | Edge_1RB_Right  | 22.04 | / | / | 24.54 | / | / | <=30 | Pass |
|                    |         | Outer_Full      | 22.74 | / | / | 25.24 | / | / | <=30 | Pass |
|                    |         | Inner_Full      | 22.77 | / | / | 25.27 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Left  | 22.60 | / | / | 25.10 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Right | 23.07 | / | / | 25.57 | / | / | <=30 | Pass |
| DFT-s-OFDM 256 QAM | 3710.01 | Edge_1RB_Left   | 20.22 | / | / | 22.72 | / | / | <=30 | Pass |
|                    |         | Edge_1RB_Right  | 20.51 | / | / | 23.01 | / | / | <=30 | Pass |
|                    |         | Outer_Full      | 20.19 | / | / | 22.69 | / | / | <=30 | Pass |
|                    |         | Inner_Full      | 20.18 | / | / | 22.68 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Left  | 20.12 | / | / | 22.62 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Right | 20.41 | / | / | 22.91 | / | / | <=30 | Pass |
|                    | 3840    | Edge_1RB_Left   | 21.22 | / | / | 23.72 | / | / | <=30 | Pass |
|                    |         | Edge_1RB_Right  | 21.01 | / | / | 23.51 | / | / | <=30 | Pass |
|                    |         | Outer_Full      | 21.27 | / | / | 23.77 | / | / | <=30 | Pass |
|                    |         | Inner_Full      | 21.33 | / | / | 23.83 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Left  | 21.32 | / | / | 23.82 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Right | 20.95 | / | / | 23.45 | / | / | <=30 | Pass |
|                    | 3969.99 | Edge_1RB_Left   | 20.56 | / | / | 23.06 | / | / | <=30 | Pass |
|                    |         | Edge_1RB_Right  | 21.00 | / | / | 23.50 | / | / | <=30 | Pass |
|                    |         | Outer_Full      | 20.75 | / | / | 23.25 | / | / | <=30 | Pass |
|                    |         | Inner_Full      | 20.89 | / | / | 23.39 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Left  | 20.56 | / | / | 23.06 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Right | 20.96 | / | / | 23.46 | / | / | <=30 | Pass |
| CP-OFDM QPSK       | 3710.01 | Edge_1RB_Left   | 21.22 | / | / | 23.72 | / | / | <=30 | Pass |
|                    |         | Edge_1RB_Right  | 21.58 | / | / | 24.08 | / | / | <=30 | Pass |
|                    |         | Outer_Full      | 21.66 | / | / | 24.16 | / | / | <=30 | Pass |
|                    |         | Inner_Full      | 23.12 | / | / | 25.62 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Left  | 23.14 | / | / | 25.64 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Right | 23.51 | / | / | 26.01 | / | / | <=30 | Pass |
|                    | 3840    | Edge_1RB_Left   | 22.39 | / | / | 24.89 | / | / | <=30 | Pass |
|                    |         | Edge_1RB_Right  | 22.02 | / | / | 24.52 | / | / | <=30 | Pass |
|                    |         | Outer_Full      | 22.73 | / | / | 25.23 | / | / | <=30 | Pass |
|                    |         | Inner_Full      | 24.31 | / | / | 26.81 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Left  | 24.33 | / | / | 26.83 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Right | 24.03 | / | / | 26.53 | / | / | <=30 | Pass |
|                    | 3969.99 | Edge_1RB_Left   | 21.52 | / | / | 24.02 | / | / | <=30 | Pass |
|                    |         | Edge_1RB_Right  | 22.14 | / | / | 24.64 | / | / | <=30 | Pass |
|                    |         | Outer_Full      | 22.32 | / | / | 24.82 | / | / | <=30 | Pass |
|                    |         | Inner_Full      | 23.73 | / | / | 26.23 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Left  | 23.68 | / | / | 26.18 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Right | 24.11 | / | / | 26.61 | / | / | <=30 | Pass |

|                                                                                                |         |                 |       |   |   |       |   |   |      |      |
|------------------------------------------------------------------------------------------------|---------|-----------------|-------|---|---|-------|---|---|------|------|
| CP-OFDM 16 QAM                                                                                 | 3710.01 | Edge_1RB_Left   | 21.07 | / | / | 23.57 | / | / | <=30 | Pass |
|                                                                                                |         | Edge_1RB_Right  | 21.42 | / | / | 23.92 | / | / | <=30 | Pass |
|                                                                                                |         | Outer_Full      | 21.76 | / | / | 24.26 | / | / | <=30 | Pass |
|                                                                                                |         | Inner_Full      | 22.65 | / | / | 25.15 | / | / | <=30 | Pass |
|                                                                                                |         | Inner_1RB_Left  | 22.47 | / | / | 24.97 | / | / | <=30 | Pass |
|                                                                                                |         | Inner_1RB_Right | 22.83 | / | / | 25.33 | / | / | <=30 | Pass |
|                                                                                                | 3840    | Edge_1RB_Left   | 22.18 | / | / | 24.68 | / | / | <=30 | Pass |
|                                                                                                |         | Edge_1RB_Right  | 21.86 | / | / | 24.36 | / | / | <=30 | Pass |
|                                                                                                |         | Outer_Full      | 22.77 | / | / | 25.27 | / | / | <=30 | Pass |
|                                                                                                |         | Inner_Full      | 23.74 | / | / | 26.24 | / | / | <=30 | Pass |
|                                                                                                |         | Inner_1RB_Left  | 23.73 | / | / | 26.23 | / | / | <=30 | Pass |
|                                                                                                |         | Inner_1RB_Right | 23.37 | / | / | 25.87 | / | / | <=30 | Pass |
|                                                                                                | 3969.99 | Edge_1RB_Left   | 21.39 | / | / | 23.89 | / | / | <=30 | Pass |
|                                                                                                |         | Edge_1RB_Right  | 21.96 | / | / | 24.46 | / | / | <=30 | Pass |
|                                                                                                |         | Outer_Full      | 22.27 | / | / | 24.77 | / | / | <=30 | Pass |
|                                                                                                |         | Inner_Full      | 23.23 | / | / | 25.73 | / | / | <=30 | Pass |
|                                                                                                |         | Inner_1RB_Left  | 23.09 | / | / | 25.59 | / | / | <=30 | Pass |
|                                                                                                |         | Inner_1RB_Right | 23.33 | / | / | 25.83 | / | / | <=30 | Pass |
| CP-OFDM 64 QAM                                                                                 | 3710.01 | Edge_1RB_Left   | 21.19 | / | / | 23.69 | / | / | <=30 | Pass |
|                                                                                                |         | Edge_1RB_Right  | 21.58 | / | / | 24.08 | / | / | <=30 | Pass |
|                                                                                                |         | Outer_Full      | 21.18 | / | / | 23.68 | / | / | <=30 | Pass |
|                                                                                                |         | Inner_Full      | 21.11 | / | / | 23.61 | / | / | <=30 | Pass |
|                                                                                                |         | Inner_1RB_Left  | 21.21 | / | / | 23.71 | / | / | <=30 | Pass |
|                                                                                                |         | Inner_1RB_Right | 21.48 | / | / | 23.98 | / | / | <=30 | Pass |
|                                                                                                | 3840    | Edge_1RB_Left   | 22.30 | / | / | 24.80 | / | / | <=30 | Pass |
|                                                                                                |         | Edge_1RB_Right  | 22.06 | / | / | 24.56 | / | / | <=30 | Pass |
|                                                                                                |         | Outer_Full      | 22.07 | / | / | 24.57 | / | / | <=30 | Pass |
|                                                                                                |         | Inner_Full      | 22.17 | / | / | 24.67 | / | / | <=30 | Pass |
|                                                                                                |         | Inner_1RB_Left  | 22.38 | / | / | 24.88 | / | / | <=30 | Pass |
|                                                                                                |         | Inner_1RB_Right | 22.05 | / | / | 24.55 | / | / | <=30 | Pass |
|                                                                                                | 3969.99 | Edge_1RB_Left   | 21.58 | / | / | 24.08 | / | / | <=30 | Pass |
|                                                                                                |         | Edge_1RB_Right  | 22.12 | / | / | 24.62 | / | / | <=30 | Pass |
|                                                                                                |         | Outer_Full      | 21.73 | / | / | 24.23 | / | / | <=30 | Pass |
|                                                                                                |         | Inner_Full      | 21.81 | / | / | 24.31 | / | / | <=30 | Pass |
|                                                                                                |         | Inner_1RB_Left  | 21.52 | / | / | 24.02 | / | / | <=30 | Pass |
|                                                                                                |         | Inner_1RB_Right | 22.09 | / | / | 24.59 | / | / | <=30 | Pass |
| CP-OFDM 256 QAM                                                                                | 3710.01 | Edge_1RB_Left   | 18.13 | / | / | 20.63 | / | / | <=30 | Pass |
|                                                                                                |         | Edge_1RB_Right  | 18.38 | / | / | 20.88 | / | / | <=30 | Pass |
|                                                                                                |         | Outer_Full      | 18.13 | / | / | 20.63 | / | / | <=30 | Pass |
|                                                                                                |         | Inner_Full      | 18.10 | / | / | 20.60 | / | / | <=30 | Pass |
|                                                                                                |         | Inner_1RB_Left  | 18.13 | / | / | 20.63 | / | / | <=30 | Pass |
|                                                                                                |         | Inner_1RB_Right | 18.46 | / | / | 20.96 | / | / | <=30 | Pass |
|                                                                                                | 3840    | Edge_1RB_Left   | 19.17 | / | / | 21.67 | / | / | <=30 | Pass |
|                                                                                                |         | Edge_1RB_Right  | 18.98 | / | / | 21.48 | / | / | <=30 | Pass |
|                                                                                                |         | Outer_Full      | 19.23 | / | / | 21.73 | / | / | <=30 | Pass |
|                                                                                                |         | Inner_Full      | 19.37 | / | / | 21.87 | / | / | <=30 | Pass |
|                                                                                                |         | Inner_1RB_Left  | 19.26 | / | / | 21.76 | / | / | <=30 | Pass |
|                                                                                                |         | Inner_1RB_Right | 18.94 | / | / | 21.44 | / | / | <=30 | Pass |
|                                                                                                | 3969.99 | Edge_1RB_Left   | 18.55 | / | / | 21.05 | / | / | <=30 | Pass |
|                                                                                                |         | Edge_1RB_Right  | 19.05 | / | / | 21.55 | / | / | <=30 | Pass |
|                                                                                                |         | Outer_Full      | 18.79 | / | / | 21.29 | / | / | <=30 | Pass |
|                                                                                                |         | Inner_Full      | 18.78 | / | / | 21.28 | / | / | <=30 | Pass |
|                                                                                                |         | Inner_1RB_Left  | 18.59 | / | / | 21.09 | / | / | <=30 | Pass |
|                                                                                                |         | Inner_1RB_Right | 19.09 | / | / | 21.59 | / | / | <=30 | Pass |
| Note1: Antenna Gain: Ant2: 2.50dBi; Ant0: 2.50dBi;<br>Note2: EIRP=Conducted Power+Antenna Gain |         |                 |       |   |   |       |   |   |      |      |

### 1.1.2 30k\_SISO\_30MHz\_NTNV\_EIRP

| 5G NR n77a SCS=30kHz SISO 30MHz NTNv |                 |                 |                      |      |     |           |      |     |       |         |
|--------------------------------------|-----------------|-----------------|----------------------|------|-----|-----------|------|-----|-------|---------|
| Modulation                           | Frequency (MHz) | RB Allocation   | Conducted Power(dBm) |      |     | EIRP(dBm) |      |     |       | Verdict |
|                                      |                 |                 | Ant2                 | Ant0 | Sum | Ant2      | Ant0 | Sum | Limit |         |
| DFT-s-OFDM PI/2 BPSK                 | 3715.02         | Edge 1RB Left   | 21.15                | /    | /   | 23.65     | /    | /   | <=30  | Pass    |
|                                      |                 | Edge 1RB Right  | 21.88                | /    | /   | 24.38     | /    | /   | <=30  | Pass    |
|                                      |                 | Outer Full      | 23.84                | /    | /   | 26.34     | /    | /   | <=30  | Pass    |
|                                      |                 | Inner Full      | 24.72                | /    | /   | 27.22     | /    | /   | <=30  | Pass    |
|                                      |                 | Inner 1RB Left  | 24.64                | /    | /   | 27.14     | /    | /   | <=30  | Pass    |
|                                      |                 | Inner 1RB Right | 25.38                | /    | /   | 27.88     | /    | /   | <=30  | Pass    |
|                                      | 3840            | Edge 1RB Left   | 22.24                | /    | /   | 24.74     | /    | /   | <=30  | Pass    |
|                                      |                 | Edge 1RB Right  | 21.86                | /    | /   | 24.36     | /    | /   | <=30  | Pass    |
|                                      |                 | Outer Full      | 25.17                | /    | /   | 27.67     | /    | /   | <=30  | Pass    |
|                                      |                 | Inner Full      | 25.75                | /    | /   | 28.25     | /    | /   | <=30  | Pass    |
|                                      |                 | Inner 1RB Left  | 25.80                | /    | /   | 28.30     | /    | /   | <=30  | Pass    |
|                                      |                 | Inner 1RB Right | 25.43                | /    | /   | 27.93     | /    | /   | <=30  | Pass    |
|                                      | 3964.98         | Edge 1RB Left   | 21.88                | /    | /   | 24.38     | /    | /   | <=30  | Pass    |
|                                      |                 | Edge 1RB Right  | 22.00                | /    | /   | 24.50     | /    | /   | <=30  | Pass    |
|                                      |                 | Outer Full      | 24.83                | /    | /   | 27.33     | /    | /   | <=30  | Pass    |
|                                      |                 | Inner Full      | 25.32                | /    | /   | 27.82     | /    | /   | <=30  | Pass    |
|                                      |                 | Inner 1RB Left  | 25.35                | /    | /   | 27.85     | /    | /   | <=30  | Pass    |
|                                      |                 | Inner 1RB Right | 25.52                | /    | /   | 28.02     | /    | /   | <=30  | Pass    |
| DFT-s-OFDM QPSK                      | 3715.02         | Edge 1RB Left   | 21.07                | /    | /   | 23.57     | /    | /   | <=30  | Pass    |
|                                      |                 | Edge 1RB Right  | 21.77                | /    | /   | 24.27     | /    | /   | <=30  | Pass    |
|                                      |                 | Outer Full      | 23.84                | /    | /   | 26.34     | /    | /   | <=30  | Pass    |
|                                      |                 | Inner Full      | 24.76                | /    | /   | 27.26     | /    | /   | <=30  | Pass    |
|                                      |                 | Inner 1RB Left  | 24.59                | /    | /   | 27.09     | /    | /   | <=30  | Pass    |
|                                      |                 | Inner 1RB Right | 25.29                | /    | /   | 27.79     | /    | /   | <=30  | Pass    |
|                                      | 3840            | Edge 1RB Left   | 22.19                | /    | /   | 24.69     | /    | /   | <=30  | Pass    |
|                                      |                 | Edge 1RB Right  | 21.74                | /    | /   | 24.24     | /    | /   | <=30  | Pass    |
|                                      |                 | Outer Full      | 24.67                | /    | /   | 27.17     | /    | /   | <=30  | Pass    |
|                                      |                 | Inner Full      | 25.72                | /    | /   | 28.22     | /    | /   | <=30  | Pass    |
|                                      |                 | Inner 1RB Left  | 25.75                | /    | /   | 28.25     | /    | /   | <=30  | Pass    |
|                                      |                 | Inner 1RB Right | 25.29                | /    | /   | 27.79     | /    | /   | <=30  | Pass    |
|                                      | 3964.98         | Edge 1RB Left   | 21.84                | /    | /   | 24.34     | /    | /   | <=30  | Pass    |
|                                      |                 | Edge 1RB Right  | 21.97                | /    | /   | 24.47     | /    | /   | <=30  | Pass    |
|                                      |                 | Outer Full      | 24.25                | /    | /   | 26.75     | /    | /   | <=30  | Pass    |
|                                      |                 | Inner Full      | 25.26                | /    | /   | 27.76     | /    | /   | <=30  | Pass    |
|                                      |                 | Inner 1RB Left  | 25.39                | /    | /   | 27.89     | /    | /   | <=30  | Pass    |
|                                      |                 | Inner 1RB Right | 25.50                | /    | /   | 28.00     | /    | /   | <=30  | Pass    |
| DFT-s-OFDM 16 QAM                    | 3715.02         | Edge 1RB Left   | 20.97                | /    | /   | 23.47     | /    | /   | <=30  | Pass    |
|                                      |                 | Edge 1RB Right  | 21.74                | /    | /   | 24.24     | /    | /   | <=30  | Pass    |
|                                      |                 | Outer Full      | 22.86                | /    | /   | 25.36     | /    | /   | <=30  | Pass    |
|                                      |                 | Inner Full      | 23.73                | /    | /   | 26.23     | /    | /   | <=30  | Pass    |
|                                      |                 | Inner 1RB Left  | 23.49                | /    | /   | 25.99     | /    | /   | <=30  | Pass    |
|                                      |                 | Inner 1RB Right | 24.21                | /    | /   | 26.71     | /    | /   | <=30  | Pass    |
|                                      | 3840            | Edge 1RB Left   | 22.26                | /    | /   | 24.76     | /    | /   | <=30  | Pass    |
|                                      |                 | Edge 1RB Right  | 21.73                | /    | /   | 24.23     | /    | /   | <=30  | Pass    |
|                                      |                 | Outer Full      | 23.73                | /    | /   | 26.23     | /    | /   | <=30  | Pass    |
|                                      |                 | Inner Full      | 24.70                | /    | /   | 27.20     | /    | /   | <=30  | Pass    |
|                                      |                 | Inner 1RB Left  | 24.72                | /    | /   | 27.22     | /    | /   | <=30  | Pass    |
|                                      |                 | Inner 1RB Right | 24.23                | /    | /   | 26.73     | /    | /   | <=30  | Pass    |
|                                      | 3964.98         | Edge 1RB Left   | 21.83                | /    | /   | 24.33     | /    | /   | <=30  | Pass    |
|                                      |                 | Edge 1RB Right  | 21.95                | /    | /   | 24.45     | /    | /   | <=30  | Pass    |
|                                      |                 | Outer Full      | 23.36                | /    | /   | 25.86     | /    | /   | <=30  | Pass    |
|                                      |                 | Inner Full      | 24.28                | /    | /   | 26.78     | /    | /   | <=30  | Pass    |
|                                      |                 | Inner 1RB Left  | 24.34                | /    | /   | 26.84     | /    | /   | <=30  | Pass    |
|                                      |                 | Inner 1RB Right | 24.41                | /    | /   | 26.91     | /    | /   | <=30  | Pass    |
| DFT-s-OFDM 64 QAM                    | 3715.02         | Edge 1RB Left   | 21.24                | /    | /   | 23.74     | /    | /   | <=30  | Pass    |
|                                      |                 | Edge 1RB Right  | 21.98                | /    | /   | 24.48     | /    | /   | <=30  | Pass    |

|                    |         |                 |       |   |   |       |   |   |      |      |
|--------------------|---------|-----------------|-------|---|---|-------|---|---|------|------|
|                    |         | Outer_Full      | 22.42 | / | / | 24.92 | / | / | <=30 | Pass |
|                    |         | Inner_Full      | 22.29 | / | / | 24.79 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Left  | 22.11 | / | / | 24.61 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Right | 22.92 | / | / | 25.42 | / | / | <=30 | Pass |
|                    | 3840    | Edge_1RB_Left   | 22.34 | / | / | 24.84 | / | / | <=30 | Pass |
|                    |         | Edge_1RB_Right  | 21.84 | / | / | 24.34 | / | / | <=30 | Pass |
|                    |         | Outer_Full      | 23.19 | / | / | 25.69 | / | / | <=30 | Pass |
|                    |         | Inner_Full      | 23.27 | / | / | 25.77 | / | / | <=30 | Pass |
|                    | 3964.98 | Inner_1RB_Left  | 23.31 | / | / | 25.81 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Right | 22.91 | / | / | 25.41 | / | / | <=30 | Pass |
|                    |         | Edge_1RB_Left   | 21.91 | / | / | 24.41 | / | / | <=30 | Pass |
|                    |         | Edge_1RB_Right  | 22.09 | / | / | 24.59 | / | / | <=30 | Pass |
| DFT-s-OFDM 256 QAM | 3715.02 | Outer_Full      | 22.88 | / | / | 25.38 | / | / | <=30 | Pass |
|                    |         | Inner_Full      | 22.81 | / | / | 25.31 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Left  | 22.94 | / | / | 25.44 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Right | 23.07 | / | / | 25.57 | / | / | <=30 | Pass |
|                    | 3840    | Edge_1RB_Left   | 20.11 | / | / | 22.61 | / | / | <=30 | Pass |
|                    |         | Edge_1RB_Right  | 20.90 | / | / | 23.40 | / | / | <=30 | Pass |
|                    |         | Outer_Full      | 20.34 | / | / | 22.84 | / | / | <=30 | Pass |
|                    |         | Inner_Full      | 20.26 | / | / | 22.76 | / | / | <=30 | Pass |
|                    | 3964.98 | Inner_1RB_Left  | 20.10 | / | / | 22.60 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Right | 20.87 | / | / | 23.37 | / | / | <=30 | Pass |
|                    |         | Edge_1RB_Left   | 21.28 | / | / | 23.78 | / | / | <=30 | Pass |
|                    |         | Edge_1RB_Right  | 20.75 | / | / | 23.25 | / | / | <=30 | Pass |
| CP-OFDM QPSK       | 3715.02 | Outer_Full      | 21.17 | / | / | 23.67 | / | / | <=30 | Pass |
|                    |         | Inner_Full      | 21.19 | / | / | 23.69 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Left  | 21.21 | / | / | 23.71 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Right | 20.73 | / | / | 23.23 | / | / | <=30 | Pass |
|                    | 3840    | Edge_1RB_Left   | 20.82 | / | / | 23.32 | / | / | <=30 | Pass |
|                    |         | Edge_1RB_Right  | 21.00 | / | / | 23.50 | / | / | <=30 | Pass |
|                    |         | Outer_Full      | 20.79 | / | / | 23.29 | / | / | <=30 | Pass |
|                    |         | Inner_Full      | 20.75 | / | / | 23.25 | / | / | <=30 | Pass |
|                    | 3964.98 | Inner_1RB_Left  | 20.91 | / | / | 23.41 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Right | 20.93 | / | / | 23.43 | / | / | <=30 | Pass |
|                    |         | Edge_1RB_Left   | 21.22 | / | / | 23.72 | / | / | <=30 | Pass |
|                    |         | Edge_1RB_Right  | 21.90 | / | / | 24.40 | / | / | <=30 | Pass |
| CP-OFDM 16 QAM     | 3715.02 | Outer_Full      | 21.93 | / | / | 24.43 | / | / | <=30 | Pass |
|                    |         | Inner_Full      | 23.29 | / | / | 25.79 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Left  | 23.17 | / | / | 25.67 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Right | 23.99 | / | / | 26.49 | / | / | <=30 | Pass |
|                    | 3840    | Edge_1RB_Left   | 22.35 | / | / | 24.85 | / | / | <=30 | Pass |
|                    |         | Edge_1RB_Right  | 21.89 | / | / | 24.39 | / | / | <=30 | Pass |
|                    |         | Outer_Full      | 22.64 | / | / | 25.14 | / | / | <=30 | Pass |
|                    |         | Inner_Full      | 24.19 | / | / | 26.69 | / | / | <=30 | Pass |
|                    | 3964.98 | Inner_1RB_Left  | 24.30 | / | / | 26.80 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Right | 23.83 | / | / | 26.33 | / | / | <=30 | Pass |
|                    |         | Edge_1RB_Left   | 21.97 | / | / | 24.47 | / | / | <=30 | Pass |
|                    |         | Edge_1RB_Right  | 22.07 | / | / | 24.57 | / | / | <=30 | Pass |
|                    | 3715.02 | Outer_Full      | 22.29 | / | / | 24.79 | / | / | <=30 | Pass |
|                    |         | Inner_Full      | 23.75 | / | / | 26.25 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Left  | 23.92 | / | / | 26.42 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Right | 24.07 | / | / | 26.57 | / | / | <=30 | Pass |
|                    | 3840    | Edge_1RB_Left   | 21.04 | / | / | 23.54 | / | / | <=30 | Pass |
|                    |         | Edge_1RB_Right  | 21.83 | / | / | 24.33 | / | / | <=30 | Pass |
|                    |         | Outer_Full      | 21.89 | / | / | 24.39 | / | / | <=30 | Pass |
|                    |         | Inner_Full      | 22.85 | / | / | 25.35 | / | / | <=30 | Pass |
|                    | 3840    | Inner_1RB_Left  | 22.45 | / | / | 24.95 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Right | 23.28 | / | / | 25.78 | / | / | <=30 | Pass |
|                    |         | Edge_1RB_Left   | 22.24 | / | / | 24.74 | / | / | <=30 | Pass |

|                                                                                                |                 |                 |       |   |       |       |   |      |      |      |
|------------------------------------------------------------------------------------------------|-----------------|-----------------|-------|---|-------|-------|---|------|------|------|
|                                                                                                |                 | Edge 1RB Right  | 21.77 | / | /     | 24.27 | / | /    | <=30 | Pass |
|                                                                                                |                 | Outer_Full      | 22.69 | / | /     | 25.19 | / | /    | <=30 | Pass |
|                                                                                                |                 | Inner_Full      | 23.72 | / | /     | 26.22 | / | /    | <=30 | Pass |
|                                                                                                |                 | Inner 1RB Left  | 23.60 | / | /     | 26.10 | / | /    | <=30 | Pass |
|                                                                                                |                 | Inner 1RB Right | 23.09 | / | /     | 25.59 | / | /    | <=30 | Pass |
|                                                                                                | 3964.98         | Edge 1RB Left   | 21.75 | / | /     | 24.25 | / | /    | <=30 | Pass |
|                                                                                                |                 | Edge 1RB Right  | 21.98 | / | /     | 24.48 | / | /    | <=30 | Pass |
|                                                                                                |                 | Outer_Full      | 22.36 | / | /     | 24.86 | / | /    | <=30 | Pass |
|                                                                                                |                 | Inner_Full      | 23.31 | / | /     | 25.81 | / | /    | <=30 | Pass |
|                                                                                                |                 | Inner 1RB Left  | 23.27 | / | /     | 25.77 | / | /    | <=30 | Pass |
|                                                                                                | Inner 1RB Right | 23.34           | /     | / | 25.84 | /     | / | <=30 | Pass |      |
| CP-OFDM 64 QAM                                                                                 | 3715.02         | Edge 1RB Left   | 21.23 | / | /     | 23.73 | / | /    | <=30 | Pass |
|                                                                                                |                 | Edge 1RB Right  | 21.94 | / | /     | 24.44 | / | /    | <=30 | Pass |
|                                                                                                |                 | Outer_Full      | 21.43 | / | /     | 23.93 | / | /    | <=30 | Pass |
|                                                                                                |                 | Inner_Full      | 21.37 | / | /     | 23.87 | / | /    | <=30 | Pass |
|                                                                                                |                 | Inner 1RB Left  | 21.17 | / | /     | 23.67 | / | /    | <=30 | Pass |
|                                                                                                |                 | Inner 1RB Right | 21.98 | / | /     | 24.48 | / | /    | <=30 | Pass |
|                                                                                                | 3840            | Edge 1RB Left   | 22.32 | / | /     | 24.82 | / | /    | <=30 | Pass |
|                                                                                                |                 | Edge 1RB Right  | 21.90 | / | /     | 24.40 | / | /    | <=30 | Pass |
|                                                                                                |                 | Outer_Full      | 22.27 | / | /     | 24.77 | / | /    | <=30 | Pass |
|                                                                                                |                 | Inner_Full      | 22.21 | / | /     | 24.71 | / | /    | <=30 | Pass |
|                                                                                                |                 | Inner 1RB Left  | 22.47 | / | /     | 24.97 | / | /    | <=30 | Pass |
|                                                                                                |                 | Inner 1RB Right | 21.87 | / | /     | 24.37 | / | /    | <=30 | Pass |
|                                                                                                | 3964.98         | Edge 1RB Left   | 21.97 | / | /     | 24.47 | / | /    | <=30 | Pass |
|                                                                                                |                 | Edge 1RB Right  | 22.13 | / | /     | 24.63 | / | /    | <=30 | Pass |
|                                                                                                |                 | Outer_Full      | 21.91 | / | /     | 24.41 | / | /    | <=30 | Pass |
|                                                                                                |                 | Inner_Full      | 21.81 | / | /     | 24.31 | / | /    | <=30 | Pass |
|                                                                                                |                 | Inner 1RB Left  | 21.97 | / | /     | 24.47 | / | /    | <=30 | Pass |
|                                                                                                |                 | Inner 1RB Right | 22.09 | / | /     | 24.59 | / | /    | <=30 | Pass |
| CP-OFDM 256 QAM                                                                                | 3715.02         | Edge 1RB Left   | 18.12 | / | /     | 20.62 | / | /    | <=30 | Pass |
|                                                                                                |                 | Edge 1RB Right  | 18.90 | / | /     | 21.40 | / | /    | <=30 | Pass |
|                                                                                                |                 | Outer_Full      | 18.54 | / | /     | 21.04 | / | /    | <=30 | Pass |
|                                                                                                |                 | Inner_Full      | 18.37 | / | /     | 20.87 | / | /    | <=30 | Pass |
|                                                                                                |                 | Inner 1RB Left  | 18.25 | / | /     | 20.75 | / | /    | <=30 | Pass |
|                                                                                                |                 | Inner 1RB Right | 18.89 | / | /     | 21.39 | / | /    | <=30 | Pass |
|                                                                                                | 3840            | Edge 1RB Left   | 19.31 | / | /     | 21.81 | / | /    | <=30 | Pass |
|                                                                                                |                 | Edge 1RB Right  | 18.82 | / | /     | 21.32 | / | /    | <=30 | Pass |
|                                                                                                |                 | Outer_Full      | 19.13 | / | /     | 21.63 | / | /    | <=30 | Pass |
|                                                                                                |                 | Inner_Full      | 19.15 | / | /     | 21.65 | / | /    | <=30 | Pass |
|                                                                                                |                 | Inner 1RB Left  | 19.30 | / | /     | 21.80 | / | /    | <=30 | Pass |
|                                                                                                |                 | Inner 1RB Right | 18.84 | / | /     | 21.34 | / | /    | <=30 | Pass |
|                                                                                                | 3964.98         | Edge 1RB Left   | 18.88 | / | /     | 21.38 | / | /    | <=30 | Pass |
|                                                                                                |                 | Edge 1RB Right  | 19.14 | / | /     | 21.64 | / | /    | <=30 | Pass |
|                                                                                                |                 | Outer_Full      | 18.81 | / | /     | 21.31 | / | /    | <=30 | Pass |
| Inner_Full                                                                                     |                 | 18.72           | /     | / | 21.22 | /     | / | <=30 | Pass |      |
| Inner 1RB Left                                                                                 |                 | 18.90           | /     | / | 21.40 | /     | / | <=30 | Pass |      |
|                                                                                                | Inner 1RB Right | 18.92           | /     | / | 21.42 | /     | / | <=30 | Pass |      |
| Note1: Antenna Gain: Ant2: 2.50dBi; Ant0: 2.50dBi;<br>Note2: EIRP=Conducted Power+Antenna Gain |                 |                 |       |   |       |       |   |      |      |      |

### 1.1.3 30k\_SISO\_40MHz\_NTNV\_EIRP

| 5G NR n77a SCS=30kHz SISO 40MHz NTN |                 |                |                      |      |     |           |      |     |       |         |
|-------------------------------------|-----------------|----------------|----------------------|------|-----|-----------|------|-----|-------|---------|
| Modulation                          | Frequency (MHz) | RB Allocation  | Conducted Power(dBm) |      |     | EIRP(dBm) |      |     |       | Verdict |
|                                     |                 |                | Ant2                 | Ant0 | Sum | Ant2      | Ant0 | Sum | Limit |         |
| DFT-s-OFDM PI/2 BPSK                | 3720            | Edge 1RB Left  | 21.43                | /    | /   | 23.93     | /    | /   | <=30  | Pass    |
|                                     |                 | Edge 1RB Right | 21.89                | /    | /   | 24.39     | /    | /   | <=30  | Pass    |
|                                     |                 | Outer_Full     | 24.57                | /    | /   | 27.07     | /    | /   | <=30  | Pass    |

|                   |      |                 |       |   |   |       |   |   |      |      |
|-------------------|------|-----------------|-------|---|---|-------|---|---|------|------|
|                   |      | Inner_Full      | 25.08 | / | / | 27.58 | / | / | <=30 | Pass |
|                   |      | Inner_1RB_Left  | 24.86 | / | / | 27.36 | / | / | <=30 | Pass |
|                   |      | Inner_1RB_Right | 25.44 | / | / | 27.94 | / | / | <=30 | Pass |
|                   | 3840 | Edge_1RB_Left   | 22.33 | / | / | 24.83 | / | / | <=30 | Pass |
|                   |      | Edge_1RB_Right  | 21.83 | / | / | 24.33 | / | / | <=30 | Pass |
|                   |      | Outer_Full      | 25.21 | / | / | 27.71 | / | / | <=30 | Pass |
|                   |      | Inner_Full      | 25.77 | / | / | 28.27 | / | / | <=30 | Pass |
|                   |      | Inner_1RB_Left  | 25.79 | / | / | 28.29 | / | / | <=30 | Pass |
|                   |      | Inner_1RB_Right | 25.37 | / | / | 27.87 | / | / | <=30 | Pass |
|                   | 3960 | Edge_1RB_Left   | 22.07 | / | / | 24.57 | / | / | <=30 | Pass |
|                   |      | Edge_1RB_Right  | 22.06 | / | / | 24.56 | / | / | <=30 | Pass |
|                   |      | Outer_Full      | 24.85 | / | / | 27.35 | / | / | <=30 | Pass |
|                   |      | Inner_Full      | 25.28 | / | / | 27.78 | / | / | <=30 | Pass |
|                   |      | Inner_1RB_Left  | 25.57 | / | / | 28.07 | / | / | <=30 | Pass |
|                   |      | Inner_1RB_Right | 25.60 | / | / | 28.10 | / | / | <=30 | Pass |
| DFT-s-OFDM QPSK   | 3720 | Edge_1RB_Left   | 21.32 | / | / | 23.82 | / | / | <=30 | Pass |
|                   |      | Edge_1RB_Right  | 21.90 | / | / | 24.40 | / | / | <=30 | Pass |
|                   |      | Outer_Full      | 24.08 | / | / | 26.58 | / | / | <=30 | Pass |
|                   |      | Inner_Full      | 25.09 | / | / | 27.59 | / | / | <=30 | Pass |
|                   |      | Inner_1RB_Left  | 24.78 | / | / | 27.28 | / | / | <=30 | Pass |
|                   |      | Inner_1RB_Right | 25.40 | / | / | 27.90 | / | / | <=30 | Pass |
|                   | 3840 | Edge_1RB_Left   | 22.26 | / | / | 24.76 | / | / | <=30 | Pass |
|                   |      | Edge_1RB_Right  | 21.83 | / | / | 24.33 | / | / | <=30 | Pass |
|                   |      | Outer_Full      | 24.66 | / | / | 27.16 | / | / | <=30 | Pass |
|                   |      | Inner_Full      | 25.72 | / | / | 28.22 | / | / | <=30 | Pass |
|                   |      | Inner_1RB_Left  | 25.78 | / | / | 28.28 | / | / | <=30 | Pass |
|                   |      | Inner_1RB_Right | 25.25 | / | / | 27.75 | / | / | <=30 | Pass |
|                   | 3960 | Edge_1RB_Left   | 22.01 | / | / | 24.51 | / | / | <=30 | Pass |
|                   |      | Edge_1RB_Right  | 22.00 | / | / | 24.50 | / | / | <=30 | Pass |
|                   |      | Outer_Full      | 24.36 | / | / | 26.86 | / | / | <=30 | Pass |
|                   |      | Inner_Full      | 25.25 | / | / | 27.75 | / | / | <=30 | Pass |
|                   |      | Inner_1RB_Left  | 25.60 | / | / | 28.10 | / | / | <=30 | Pass |
|                   |      | Inner_1RB_Right | 25.57 | / | / | 28.07 | / | / | <=30 | Pass |
| DFT-s-OFDM 16 QAM | 3720 | Edge_1RB_Left   | 21.23 | / | / | 23.73 | / | / | <=30 | Pass |
|                   |      | Edge_1RB_Right  | 21.83 | / | / | 24.33 | / | / | <=30 | Pass |
|                   |      | Outer_Full      | 23.11 | / | / | 25.61 | / | / | <=30 | Pass |
|                   |      | Inner_Full      | 24.04 | / | / | 26.54 | / | / | <=30 | Pass |
|                   |      | Inner_1RB_Left  | 23.71 | / | / | 26.21 | / | / | <=30 | Pass |
|                   |      | Inner_1RB_Right | 24.33 | / | / | 26.83 | / | / | <=30 | Pass |
|                   | 3840 | Edge_1RB_Left   | 22.26 | / | / | 24.76 | / | / | <=30 | Pass |
|                   |      | Edge_1RB_Right  | 21.87 | / | / | 24.37 | / | / | <=30 | Pass |
|                   |      | Outer_Full      | 23.65 | / | / | 26.15 | / | / | <=30 | Pass |
|                   |      | Inner_Full      | 24.73 | / | / | 27.23 | / | / | <=30 | Pass |
|                   |      | Inner_1RB_Left  | 24.74 | / | / | 27.24 | / | / | <=30 | Pass |
|                   |      | Inner_1RB_Right | 24.22 | / | / | 26.72 | / | / | <=30 | Pass |
|                   | 3960 | Edge_1RB_Left   | 22.01 | / | / | 24.51 | / | / | <=30 | Pass |
|                   |      | Edge_1RB_Right  | 21.92 | / | / | 24.42 | / | / | <=30 | Pass |
|                   |      | Outer_Full      | 23.37 | / | / | 25.87 | / | / | <=30 | Pass |
|                   |      | Inner_Full      | 24.27 | / | / | 26.77 | / | / | <=30 | Pass |
|                   |      | Inner_1RB_Left  | 24.51 | / | / | 27.01 | / | / | <=30 | Pass |
|                   |      | Inner_1RB_Right | 24.57 | / | / | 27.07 | / | / | <=30 | Pass |
| DFT-s-OFDM 64 QAM | 3720 | Edge_1RB_Left   | 21.41 | / | / | 23.91 | / | / | <=30 | Pass |
|                   |      | Edge_1RB_Right  | 21.95 | / | / | 24.45 | / | / | <=30 | Pass |
|                   |      | Outer_Full      | 22.67 | / | / | 25.17 | / | / | <=30 | Pass |
|                   |      | Inner_Full      | 22.58 | / | / | 25.08 | / | / | <=30 | Pass |
|                   |      | Inner_1RB_Left  | 22.38 | / | / | 24.88 | / | / | <=30 | Pass |
|                   |      | Inner_1RB_Right | 23.02 | / | / | 25.52 | / | / | <=30 | Pass |
|                   | 3840 | Edge_1RB_Left   | 22.34 | / | / | 24.84 | / | / | <=30 | Pass |
|                   |      | Edge_1RB_Right  | 21.84 | / | / | 24.34 | / | / | <=30 | Pass |

|                    |      |                 |       |   |   |       |   |   |      |      |
|--------------------|------|-----------------|-------|---|---|-------|---|---|------|------|
|                    |      | Outer_Full      | 23.18 | / | / | 25.68 | / | / | <=30 | Pass |
|                    |      | Inner_Full      | 23.21 | / | / | 25.71 | / | / | <=30 | Pass |
|                    |      | Inner_1RB_Left  | 23.35 | / | / | 25.85 | / | / | <=30 | Pass |
|                    |      | Inner_1RB_Right | 22.85 | / | / | 25.35 | / | / | <=30 | Pass |
|                    | 3960 | Edge_1RB_Left   | 22.06 | / | / | 24.56 | / | / | <=30 | Pass |
|                    |      | Edge_1RB_Right  | 22.04 | / | / | 24.54 | / | / | <=30 | Pass |
|                    |      | Outer_Full      | 22.91 | / | / | 25.41 | / | / | <=30 | Pass |
|                    |      | Inner_Full      | 22.78 | / | / | 25.28 | / | / | <=30 | Pass |
|                    |      | Inner_1RB_Left  | 23.09 | / | / | 25.59 | / | / | <=30 | Pass |
|                    |      | Inner_1RB_Right | 23.12 | / | / | 25.62 | / | / | <=30 | Pass |
| DFT-s-OFDM 256 QAM | 3720 | Edge_1RB_Left   | 20.30 | / | / | 22.80 | / | / | <=30 | Pass |
|                    |      | Edge_1RB_Right  | 20.91 | / | / | 23.41 | / | / | <=30 | Pass |
|                    |      | Outer_Full      | 20.57 | / | / | 23.07 | / | / | <=30 | Pass |
|                    |      | Inner_Full      | 20.56 | / | / | 23.06 | / | / | <=30 | Pass |
|                    |      | Inner_1RB_Left  | 20.41 | / | / | 22.91 | / | / | <=30 | Pass |
|                    |      | Inner_1RB_Right | 20.91 | / | / | 23.41 | / | / | <=30 | Pass |
|                    | 3840 | Edge_1RB_Left   | 21.35 | / | / | 23.85 | / | / | <=30 | Pass |
|                    |      | Edge_1RB_Right  | 20.81 | / | / | 23.31 | / | / | <=30 | Pass |
|                    |      | Outer_Full      | 21.12 | / | / | 23.62 | / | / | <=30 | Pass |
|                    |      | Inner_Full      | 21.28 | / | / | 23.78 | / | / | <=30 | Pass |
|                    |      | Inner_1RB_Left  | 21.32 | / | / | 23.82 | / | / | <=30 | Pass |
|                    |      | Inner_1RB_Right | 20.76 | / | / | 23.26 | / | / | <=30 | Pass |
|                    | 3960 | Edge_1RB_Left   | 21.12 | / | / | 23.62 | / | / | <=30 | Pass |
|                    |      | Edge_1RB_Right  | 21.04 | / | / | 23.54 | / | / | <=30 | Pass |
|                    |      | Outer_Full      | 20.83 | / | / | 23.33 | / | / | <=30 | Pass |
|                    |      | Inner_Full      | 20.68 | / | / | 23.18 | / | / | <=30 | Pass |
|                    |      | Inner_1RB_Left  | 21.11 | / | / | 23.61 | / | / | <=30 | Pass |
|                    |      | Inner_1RB_Right | 21.10 | / | / | 23.60 | / | / | <=30 | Pass |
| CP-OFDM QPSK       | 3720 | Edge_1RB_Left   | 21.46 | / | / | 23.96 | / | / | <=30 | Pass |
|                    |      | Edge_1RB_Right  | 21.97 | / | / | 24.47 | / | / | <=30 | Pass |
|                    |      | Outer_Full      | 22.07 | / | / | 24.57 | / | / | <=30 | Pass |
|                    |      | Inner_Full      | 23.61 | / | / | 26.11 | / | / | <=30 | Pass |
|                    |      | Inner_1RB_Left  | 23.52 | / | / | 26.02 | / | / | <=30 | Pass |
|                    |      | Inner_1RB_Right | 24.02 | / | / | 26.52 | / | / | <=30 | Pass |
|                    | 3840 | Edge_1RB_Left   | 22.35 | / | / | 24.85 | / | / | <=30 | Pass |
|                    |      | Edge_1RB_Right  | 22.03 | / | / | 24.53 | / | / | <=30 | Pass |
|                    |      | Outer_Full      | 22.62 | / | / | 25.12 | / | / | <=30 | Pass |
|                    |      | Inner_Full      | 24.19 | / | / | 26.69 | / | / | <=30 | Pass |
|                    |      | Inner_1RB_Left  | 24.36 | / | / | 26.86 | / | / | <=30 | Pass |
|                    |      | Inner_1RB_Right | 23.90 | / | / | 26.40 | / | / | <=30 | Pass |
|                    | 3960 | Edge_1RB_Left   | 22.15 | / | / | 24.65 | / | / | <=30 | Pass |
|                    |      | Edge_1RB_Right  | 22.15 | / | / | 24.65 | / | / | <=30 | Pass |
|                    |      | Outer_Full      | 22.33 | / | / | 24.83 | / | / | <=30 | Pass |
|                    |      | Inner_Full      | 23.74 | / | / | 26.24 | / | / | <=30 | Pass |
|                    |      | Inner_1RB_Left  | 24.09 | / | / | 26.59 | / | / | <=30 | Pass |
|                    |      | Inner_1RB_Right | 24.19 | / | / | 26.69 | / | / | <=30 | Pass |
| CP-OFDM 16 QAM     | 3720 | Edge_1RB_Left   | 21.25 | / | / | 23.75 | / | / | <=30 | Pass |
|                    |      | Edge_1RB_Right  | 21.81 | / | / | 24.31 | / | / | <=30 | Pass |
|                    |      | Outer_Full      | 22.09 | / | / | 24.59 | / | / | <=30 | Pass |
|                    |      | Inner_Full      | 23.12 | / | / | 25.62 | / | / | <=30 | Pass |
|                    |      | Inner_1RB_Left  | 22.80 | / | / | 25.30 | / | / | <=30 | Pass |
|                    |      | Inner_1RB_Right | 23.30 | / | / | 25.80 | / | / | <=30 | Pass |
|                    | 3840 | Edge_1RB_Left   | 22.25 | / | / | 24.75 | / | / | <=30 | Pass |
|                    |      | Edge_1RB_Right  | 21.73 | / | / | 24.23 | / | / | <=30 | Pass |
|                    |      | Outer_Full      | 22.67 | / | / | 25.17 | / | / | <=30 | Pass |
|                    |      | Inner_Full      | 23.66 | / | / | 26.16 | / | / | <=30 | Pass |
|                    |      | Inner_1RB_Left  | 23.67 | / | / | 26.17 | / | / | <=30 | Pass |
|                    |      | Inner_1RB_Right | 23.28 | / | / | 25.78 | / | / | <=30 | Pass |
|                    | 3960 | Edge_1RB_Left   | 22.01 | / | / | 24.51 | / | / | <=30 | Pass |

|                                                                                                |                 |                 |       |   |       |       |   |      |      |      |
|------------------------------------------------------------------------------------------------|-----------------|-----------------|-------|---|-------|-------|---|------|------|------|
|                                                                                                |                 | Edge_1RB_Right  | 22.05 | / | /     | 24.55 | / | /    | <=30 | Pass |
|                                                                                                |                 | Outer_Full      | 22.32 | / | /     | 24.82 | / | /    | <=30 | Pass |
|                                                                                                |                 | Inner_Full      | 23.24 | / | /     | 25.74 | / | /    | <=30 | Pass |
|                                                                                                |                 | Inner_1RB_Left  | 23.45 | / | /     | 25.95 | / | /    | <=30 | Pass |
|                                                                                                |                 | Inner_1RB_Right | 23.59 | / | /     | 26.09 | / | /    | <=30 | Pass |
| CP-OFDM 64 QAM                                                                                 | 3720            | Edge_1RB_Left   | 21.40 | / | /     | 23.90 | / | /    | <=30 | Pass |
|                                                                                                |                 | Edge_1RB_Right  | 21.86 | / | /     | 24.36 | / | /    | <=30 | Pass |
|                                                                                                |                 | Outer_Full      | 21.64 | / | /     | 24.14 | / | /    | <=30 | Pass |
|                                                                                                |                 | Inner_Full      | 21.67 | / | /     | 24.17 | / | /    | <=30 | Pass |
|                                                                                                |                 | Inner_1RB_Left  | 21.46 | / | /     | 23.96 | / | /    | <=30 | Pass |
|                                                                                                |                 | Inner_1RB_Right | 22.00 | / | /     | 24.50 | / | /    | <=30 | Pass |
|                                                                                                |                 | Edge_1RB_Left   | 22.41 | / | /     | 24.91 | / | /    | <=30 | Pass |
|                                                                                                | 3840            | Edge_1RB_Right  | 21.93 | / | /     | 24.43 | / | /    | <=30 | Pass |
|                                                                                                |                 | Outer_Full      | 22.22 | / | /     | 24.72 | / | /    | <=30 | Pass |
|                                                                                                |                 | Inner_Full      | 22.20 | / | /     | 24.70 | / | /    | <=30 | Pass |
|                                                                                                |                 | Inner_1RB_Left  | 22.38 | / | /     | 24.88 | / | /    | <=30 | Pass |
|                                                                                                |                 | Inner_1RB_Right | 22.01 | / | /     | 24.51 | / | /    | <=30 | Pass |
|                                                                                                | 3960            | Edge_1RB_Left   | 22.12 | / | /     | 24.62 | / | /    | <=30 | Pass |
|                                                                                                |                 | Edge_1RB_Right  | 22.16 | / | /     | 24.66 | / | /    | <=30 | Pass |
|                                                                                                |                 | Outer_Full      | 21.91 | / | /     | 24.41 | / | /    | <=30 | Pass |
|                                                                                                |                 | Inner_Full      | 21.73 | / | /     | 24.23 | / | /    | <=30 | Pass |
|                                                                                                |                 | Inner_1RB_Left  | 22.05 | / | /     | 24.55 | / | /    | <=30 | Pass |
|                                                                                                |                 | Inner_1RB_Right | 22.10 | / | /     | 24.60 | / | /    | <=30 | Pass |
| CP-OFDM 256 QAM                                                                                | 3720            | Edge_1RB_Left   | 18.28 | / | /     | 20.78 | / | /    | <=30 | Pass |
|                                                                                                |                 | Edge_1RB_Right  | 18.91 | / | /     | 21.41 | / | /    | <=30 | Pass |
|                                                                                                |                 | Outer_Full      | 18.58 | / | /     | 21.08 | / | /    | <=30 | Pass |
|                                                                                                |                 | Inner_Full      | 18.67 | / | /     | 21.17 | / | /    | <=30 | Pass |
|                                                                                                |                 | Inner_1RB_Left  | 18.42 | / | /     | 20.92 | / | /    | <=30 | Pass |
|                                                                                                |                 | Inner_1RB_Right | 18.95 | / | /     | 21.45 | / | /    | <=30 | Pass |
|                                                                                                | 3840            | Edge_1RB_Left   | 19.36 | / | /     | 21.86 | / | /    | <=30 | Pass |
|                                                                                                |                 | Edge_1RB_Right  | 18.76 | / | /     | 21.26 | / | /    | <=30 | Pass |
|                                                                                                |                 | Outer_Full      | 19.15 | / | /     | 21.65 | / | /    | <=30 | Pass |
|                                                                                                |                 | Inner_Full      | 19.25 | / | /     | 21.75 | / | /    | <=30 | Pass |
|                                                                                                |                 | Inner_1RB_Left  | 19.26 | / | /     | 21.76 | / | /    | <=30 | Pass |
|                                                                                                |                 | Inner_1RB_Right | 18.93 | / | /     | 21.43 | / | /    | <=30 | Pass |
|                                                                                                | 3960            | Edge_1RB_Left   | 19.07 | / | /     | 21.57 | / | /    | <=30 | Pass |
|                                                                                                |                 | Edge_1RB_Right  | 19.19 | / | /     | 21.69 | / | /    | <=30 | Pass |
|                                                                                                |                 | Outer_Full      | 18.80 | / | /     | 21.30 | / | /    | <=30 | Pass |
|                                                                                                |                 | Inner_Full      | 18.79 | / | /     | 21.29 | / | /    | <=30 | Pass |
|                                                                                                |                 | Inner_1RB_Left  | 19.13 | / | /     | 21.63 | / | /    | <=30 | Pass |
|                                                                                                | Inner_1RB_Right | 19.14           | /     | / | 21.64 | /     | / | <=30 | Pass |      |
| Note1: Antenna Gain: Ant2: 2.50dBi; Ant0: 2.50dBi;<br>Note2: EIRP=Conducted Power+Antenna Gain |                 |                 |       |   |       |       |   |      |      |      |

#### 1.1.4 30k\_SISO\_60MHz\_NTNV\_EIRP

| 5G NR n77a SCS=30kHz SISO 60MHz NTNv |                 |                 |                      |      |     |           |      |     |       |         |
|--------------------------------------|-----------------|-----------------|----------------------|------|-----|-----------|------|-----|-------|---------|
| Modulation                           | Frequency (MHz) | RB Allocation   | Conducted Power(dBm) |      |     | EIRP(dBm) |      |     |       | Verdict |
|                                      |                 |                 | Ant2                 | Ant0 | Sum | Ant2      | Ant0 | Sum | Limit |         |
| DFT-s-OFDM PI/2 BPSK                 | 3730.02         | Edge_1RB_Left   | 20.94                | /    | /   | 23.44     | /    | /   | <=30  | Pass    |
|                                      |                 | Edge_1RB_Right  | 20.94                | /    | /   | 23.44     | /    | /   | <=30  | Pass    |
|                                      |                 | Outer_Full      | 24.41                | /    | /   | 26.91     | /    | /   | <=30  | Pass    |
|                                      |                 | Inner_Full      | 25.14                | /    | /   | 27.64     | /    | /   | <=30  | Pass    |
|                                      |                 | Inner_1RB_Left  | 24.44                | /    | /   | 26.94     | /    | /   | <=30  | Pass    |
|                                      |                 | Inner_1RB_Right | 24.47                | /    | /   | 26.97     | /    | /   | <=30  | Pass    |
|                                      | 3840            | Edge_1RB_Left   | 21.84                | /    | /   | 24.34     | /    | /   | <=30  | Pass    |
|                                      |                 | Edge_1RB_Right  | 21.27                | /    | /   | 23.77     | /    | /   | <=30  | Pass    |
|                                      |                 | Outer_Full      | 25.00                | /    | /   | 27.50     | /    | /   | <=30  | Pass    |

|                   |         |                 |       |   |   |       |   |   |      |      |
|-------------------|---------|-----------------|-------|---|---|-------|---|---|------|------|
|                   |         | Inner_Full      | 25.45 | / | / | 27.95 | / | / | <=30 | Pass |
|                   |         | Inner_1RB_Left  | 25.40 | / | / | 27.90 | / | / | <=30 | Pass |
|                   |         | Inner_1RB_Right | 24.78 | / | / | 27.28 | / | / | <=30 | Pass |
|                   | 3949.98 | Edge_1RB_Left   | 21.72 | / | / | 24.22 | / | / | <=30 | Pass |
|                   |         | Edge_1RB_Right  | 21.68 | / | / | 24.18 | / | / | <=30 | Pass |
|                   |         | Outer_Full      | 24.51 | / | / | 27.01 | / | / | <=30 | Pass |
|                   |         | Inner_Full      | 25.01 | / | / | 27.51 | / | / | <=30 | Pass |
|                   |         | Inner_1RB_Left  | 25.21 | / | / | 27.71 | / | / | <=30 | Pass |
|                   |         | Inner_1RB_Right | 25.09 | / | / | 27.59 | / | / | <=30 | Pass |
| DFT-s-OFDM QPSK   | 3730.02 | Edge_1RB_Left   | 20.93 | / | / | 23.43 | / | / | <=30 | Pass |
|                   |         | Edge_1RB_Right  | 20.92 | / | / | 23.42 | / | / | <=30 | Pass |
|                   |         | Outer_Full      | 23.82 | / | / | 26.32 | / | / | <=30 | Pass |
|                   |         | Inner_Full      | 25.18 | / | / | 27.68 | / | / | <=30 | Pass |
|                   |         | Inner_1RB_Left  | 24.39 | / | / | 26.89 | / | / | <=30 | Pass |
|                   |         | Inner_1RB_Right | 24.46 | / | / | 26.96 | / | / | <=30 | Pass |
|                   | 3840    | Edge_1RB_Left   | 21.80 | / | / | 24.30 | / | / | <=30 | Pass |
|                   |         | Edge_1RB_Right  | 21.29 | / | / | 23.79 | / | / | <=30 | Pass |
|                   |         | Outer_Full      | 24.53 | / | / | 27.03 | / | / | <=30 | Pass |
|                   |         | Inner_Full      | 25.56 | / | / | 28.06 | / | / | <=30 | Pass |
|                   |         | Inner_1RB_Left  | 25.35 | / | / | 27.85 | / | / | <=30 | Pass |
|                   |         | Inner_1RB_Right | 24.84 | / | / | 27.34 | / | / | <=30 | Pass |
|                   | 3949.98 | Edge_1RB_Left   | 21.68 | / | / | 24.18 | / | / | <=30 | Pass |
|                   |         | Edge_1RB_Right  | 21.48 | / | / | 23.98 | / | / | <=30 | Pass |
|                   |         | Outer_Full      | 24.01 | / | / | 26.51 | / | / | <=30 | Pass |
|                   |         | Inner_Full      | 24.98 | / | / | 27.48 | / | / | <=30 | Pass |
|                   |         | Inner_1RB_Left  | 25.21 | / | / | 27.71 | / | / | <=30 | Pass |
|                   |         | Inner_1RB_Right | 25.03 | / | / | 27.53 | / | / | <=30 | Pass |
| DFT-s-OFDM 16 QAM | 3730.02 | Edge_1RB_Left   | 20.88 | / | / | 23.38 | / | / | <=30 | Pass |
|                   |         | Edge_1RB_Right  | 20.84 | / | / | 23.34 | / | / | <=30 | Pass |
|                   |         | Outer_Full      | 22.87 | / | / | 25.37 | / | / | <=30 | Pass |
|                   |         | Inner_Full      | 24.11 | / | / | 26.61 | / | / | <=30 | Pass |
|                   |         | Inner_1RB_Left  | 23.38 | / | / | 25.88 | / | / | <=30 | Pass |
|                   |         | Inner_1RB_Right | 23.41 | / | / | 25.91 | / | / | <=30 | Pass |
|                   | 3840    | Edge_1RB_Left   | 21.69 | / | / | 24.19 | / | / | <=30 | Pass |
|                   |         | Edge_1RB_Right  | 21.15 | / | / | 23.65 | / | / | <=30 | Pass |
|                   |         | Outer_Full      | 23.48 | / | / | 25.98 | / | / | <=30 | Pass |
|                   |         | Inner_Full      | 24.49 | / | / | 26.99 | / | / | <=30 | Pass |
|                   |         | Inner_1RB_Left  | 24.19 | / | / | 26.69 | / | / | <=30 | Pass |
|                   |         | Inner_1RB_Right | 23.70 | / | / | 26.20 | / | / | <=30 | Pass |
|                   | 3949.98 | Edge_1RB_Left   | 21.59 | / | / | 24.09 | / | / | <=30 | Pass |
|                   |         | Edge_1RB_Right  | 21.53 | / | / | 24.03 | / | / | <=30 | Pass |
|                   |         | Outer_Full      | 23.05 | / | / | 25.55 | / | / | <=30 | Pass |
|                   |         | Inner_Full      | 23.98 | / | / | 26.48 | / | / | <=30 | Pass |
|                   |         | Inner_1RB_Left  | 24.02 | / | / | 26.52 | / | / | <=30 | Pass |
|                   |         | Inner_1RB_Right | 23.99 | / | / | 26.49 | / | / | <=30 | Pass |
| DFT-s-OFDM 64 QAM | 3730.02 | Edge_1RB_Left   | 21.04 | / | / | 23.54 | / | / | <=30 | Pass |
|                   |         | Edge_1RB_Right  | 21.06 | / | / | 23.56 | / | / | <=30 | Pass |
|                   |         | Outer_Full      | 22.40 | / | / | 24.90 | / | / | <=30 | Pass |
|                   |         | Inner_Full      | 22.64 | / | / | 25.14 | / | / | <=30 | Pass |
|                   |         | Inner_1RB_Left  | 22.01 | / | / | 24.51 | / | / | <=30 | Pass |
|                   |         | Inner_1RB_Right | 22.04 | / | / | 24.54 | / | / | <=30 | Pass |
|                   | 3840    | Edge_1RB_Left   | 21.95 | / | / | 24.45 | / | / | <=30 | Pass |
|                   |         | Edge_1RB_Right  | 21.39 | / | / | 23.89 | / | / | <=30 | Pass |
|                   |         | Outer_Full      | 23.02 | / | / | 25.52 | / | / | <=30 | Pass |
|                   |         | Inner_Full      | 22.99 | / | / | 25.49 | / | / | <=30 | Pass |
|                   |         | Inner_1RB_Left  | 22.83 | / | / | 25.33 | / | / | <=30 | Pass |
|                   |         | Inner_1RB_Right | 22.36 | / | / | 24.86 | / | / | <=30 | Pass |
|                   | 3949.98 | Edge_1RB_Left   | 21.76 | / | / | 24.26 | / | / | <=30 | Pass |
|                   |         | Edge_1RB_Right  | 21.69 | / | / | 24.19 | / | / | <=30 | Pass |

|                    |         |                 |       |   |   |       |   |   |      |      |
|--------------------|---------|-----------------|-------|---|---|-------|---|---|------|------|
|                    |         | Outer_Full      | 22.51 | / | / | 25.01 | / | / | <=30 | Pass |
|                    |         | Inner_Full      | 22.47 | / | / | 24.97 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Left  | 22.78 | / | / | 25.28 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Right | 22.76 | / | / | 25.26 | / | / | <=30 | Pass |
| DFT-s-OFDM 256 QAM | 3730.02 | Edge_1RB_Left   | 19.98 | / | / | 22.48 | / | / | <=30 | Pass |
|                    |         | Edge_1RB_Right  | 19.93 | / | / | 22.43 | / | / | <=30 | Pass |
|                    |         | Outer_Full      | 20.35 | / | / | 22.85 | / | / | <=30 | Pass |
|                    |         | Inner_Full      | 20.68 | / | / | 23.18 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Left  | 19.96 | / | / | 22.46 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Right | 19.94 | / | / | 22.44 | / | / | <=30 | Pass |
|                    |         | Edge_1RB_Left   | 20.81 | / | / | 23.31 | / | / | <=30 | Pass |
|                    |         | Edge_1RB_Right  | 20.17 | / | / | 22.67 | / | / | <=30 | Pass |
|                    | 3840    | Outer_Full      | 21.03 | / | / | 23.53 | / | / | <=30 | Pass |
|                    |         | Inner_Full      | 20.90 | / | / | 23.40 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Left  | 20.82 | / | / | 23.32 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Right | 20.19 | / | / | 22.69 | / | / | <=30 | Pass |
|                    | 3949.98 | Edge_1RB_Left   | 20.64 | / | / | 23.14 | / | / | <=30 | Pass |
|                    |         | Edge_1RB_Right  | 20.64 | / | / | 23.14 | / | / | <=30 | Pass |
|                    |         | Outer_Full      | 20.51 | / | / | 23.01 | / | / | <=30 | Pass |
|                    |         | Inner_Full      | 20.50 | / | / | 23.00 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Left  | 20.67 | / | / | 23.17 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Right | 20.69 | / | / | 23.19 | / | / | <=30 | Pass |
| CP-OFDM QPSK       | 3730.02 | Edge_1RB_Left   | 21.00 | / | / | 23.50 | / | / | <=30 | Pass |
|                    |         | Edge_1RB_Right  | 20.96 | / | / | 23.46 | / | / | <=30 | Pass |
|                    |         | Outer_Full      | 21.88 | / | / | 24.38 | / | / | <=30 | Pass |
|                    |         | Inner_Full      | 23.67 | / | / | 26.17 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Left  | 23.04 | / | / | 25.54 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Right | 22.98 | / | / | 25.48 | / | / | <=30 | Pass |
|                    | 3840    | Edge_1RB_Left   | 21.90 | / | / | 24.40 | / | / | <=30 | Pass |
|                    |         | Edge_1RB_Right  | 21.20 | / | / | 23.70 | / | / | <=30 | Pass |
|                    |         | Outer_Full      | 22.52 | / | / | 25.02 | / | / | <=30 | Pass |
|                    |         | Inner_Full      | 24.08 | / | / | 26.58 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Left  | 24.03 | / | / | 26.53 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Right | 23.24 | / | / | 25.74 | / | / | <=30 | Pass |
|                    | 3949.98 | Edge_1RB_Left   | 21.79 | / | / | 24.29 | / | / | <=30 | Pass |
|                    |         | Edge_1RB_Right  | 21.71 | / | / | 24.21 | / | / | <=30 | Pass |
|                    |         | Outer_Full      | 22.00 | / | / | 24.50 | / | / | <=30 | Pass |
|                    |         | Inner_Full      | 23.43 | / | / | 25.93 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Left  | 23.89 | / | / | 26.39 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Right | 23.72 | / | / | 26.22 | / | / | <=30 | Pass |
| CP-OFDM 16 QAM     | 3730.02 | Edge_1RB_Left   | 20.93 | / | / | 23.43 | / | / | <=30 | Pass |
|                    |         | Edge_1RB_Right  | 21.00 | / | / | 23.50 | / | / | <=30 | Pass |
|                    |         | Outer_Full      | 21.91 | / | / | 24.41 | / | / | <=30 | Pass |
|                    |         | Inner_Full      | 23.13 | / | / | 25.63 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Left  | 22.38 | / | / | 24.88 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Right | 22.29 | / | / | 24.79 | / | / | <=30 | Pass |
|                    | 3840    | Edge_1RB_Left   | 21.66 | / | / | 24.16 | / | / | <=30 | Pass |
|                    |         | Edge_1RB_Right  | 21.27 | / | / | 23.77 | / | / | <=30 | Pass |
|                    |         | Outer_Full      | 22.47 | / | / | 24.97 | / | / | <=30 | Pass |
|                    |         | Inner_Full      | 23.53 | / | / | 26.03 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Left  | 23.32 | / | / | 25.82 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Right | 22.68 | / | / | 25.18 | / | / | <=30 | Pass |
|                    | 3949.98 | Edge_1RB_Left   | 21.62 | / | / | 24.12 | / | / | <=30 | Pass |
|                    |         | Edge_1RB_Right  | 21.48 | / | / | 23.98 | / | / | <=30 | Pass |
|                    |         | Outer_Full      | 22.07 | / | / | 24.57 | / | / | <=30 | Pass |
|                    |         | Inner_Full      | 23.00 | / | / | 25.50 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Left  | 23.17 | / | / | 25.67 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Right | 22.99 | / | / | 25.49 | / | / | <=30 | Pass |
| CP-OFDM 64 QAM     | 3730.02 | Edge_1RB_Left   | 21.13 | / | / | 23.63 | / | / | <=30 | Pass |

|                                                                                                |         |                 |       |   |   |       |   |   |      |      |
|------------------------------------------------------------------------------------------------|---------|-----------------|-------|---|---|-------|---|---|------|------|
|                                                                                                |         | Edge 1RB Right  | 21.08 | / | / | 23.58 | / | / | <=30 | Pass |
|                                                                                                |         | Outer_Full      | 21.44 | / | / | 23.94 | / | / | <=30 | Pass |
|                                                                                                |         | Inner_Full      | 21.67 | / | / | 24.17 | / | / | <=30 | Pass |
|                                                                                                |         | Inner 1RB Left  | 21.05 | / | / | 23.55 | / | / | <=30 | Pass |
|                                                                                                |         | Inner 1RB Right | 21.03 | / | / | 23.53 | / | / | <=30 | Pass |
|                                                                                                | 3840    | Edge 1RB Left   | 21.79 | / | / | 24.29 | / | / | <=30 | Pass |
|                                                                                                |         | Edge 1RB Right  | 21.33 | / | / | 23.83 | / | / | <=30 | Pass |
|                                                                                                |         | Outer_Full      | 21.89 | / | / | 24.39 | / | / | <=30 | Pass |
|                                                                                                |         | Inner_Full      | 22.06 | / | / | 24.56 | / | / | <=30 | Pass |
|                                                                                                |         | Inner 1RB Left  | 21.99 | / | / | 24.49 | / | / | <=30 | Pass |
|                                                                                                | 3949.98 | Inner 1RB Right | 21.37 | / | / | 23.87 | / | / | <=30 | Pass |
|                                                                                                |         | Edge 1RB Left   | 21.79 | / | / | 24.29 | / | / | <=30 | Pass |
|                                                                                                |         | Edge 1RB Right  | 21.66 | / | / | 24.16 | / | / | <=30 | Pass |
|                                                                                                |         | Outer_Full      | 21.60 | / | / | 24.10 | / | / | <=30 | Pass |
|                                                                                                |         | Inner_Full      | 21.57 | / | / | 24.07 | / | / | <=30 | Pass |
| CP-OFDM 256 QAM                                                                                | 3730.02 | Inner 1RB Left  | 21.75 | / | / | 24.25 | / | / | <=30 | Pass |
|                                                                                                |         | Inner 1RB Right | 21.72 | / | / | 24.22 | / | / | <=30 | Pass |
|                                                                                                |         | Edge 1RB Left   | 18.10 | / | / | 20.60 | / | / | <=30 | Pass |
|                                                                                                |         | Edge 1RB Right  | 17.93 | / | / | 20.43 | / | / | <=30 | Pass |
|                                                                                                |         | Outer_Full      | 18.44 | / | / | 20.94 | / | / | <=30 | Pass |
|                                                                                                |         | Inner_Full      | 18.70 | / | / | 21.20 | / | / | <=30 | Pass |
|                                                                                                | 3840    | Inner 1RB Left  | 18.04 | / | / | 20.54 | / | / | <=30 | Pass |
|                                                                                                |         | Inner 1RB Right | 17.99 | / | / | 20.49 | / | / | <=30 | Pass |
|                                                                                                |         | Edge 1RB Left   | 18.88 | / | / | 21.38 | / | / | <=30 | Pass |
|                                                                                                |         | Edge 1RB Right  | 18.35 | / | / | 20.85 | / | / | <=30 | Pass |
|                                                                                                |         | Outer_Full      | 18.92 | / | / | 21.42 | / | / | <=30 | Pass |
|                                                                                                |         | Inner_Full      | 19.02 | / | / | 21.52 | / | / | <=30 | Pass |
|                                                                                                | 3949.98 | Inner 1RB Left  | 18.88 | / | / | 21.38 | / | / | <=30 | Pass |
|                                                                                                |         | Inner 1RB Right | 18.27 | / | / | 20.77 | / | / | <=30 | Pass |
|                                                                                                |         | Edge 1RB Left   | 18.84 | / | / | 21.34 | / | / | <=30 | Pass |
|                                                                                                |         | Edge 1RB Right  | 18.67 | / | / | 21.17 | / | / | <=30 | Pass |
|                                                                                                |         | Outer_Full      | 18.54 | / | / | 21.04 | / | / | <=30 | Pass |
|                                                                                                |         | Inner_Full      | 18.51 | / | / | 21.01 | / | / | <=30 | Pass |
|                                                                                                |         | Inner 1RB Left  | 18.70 | / | / | 21.20 | / | / | <=30 | Pass |
|                                                                                                |         | Inner 1RB Right | 18.58 | / | / | 21.08 | / | / | <=30 | Pass |
| Note1: Antenna Gain: Ant2: 2.50dBi; Ant0: 2.50dBi;<br>Note2: EIRP=Conducted Power+Antenna Gain |         |                 |       |   |   |       |   |   |      |      |

### 1.1.5 30k\_SISO\_80MHz\_NTNV\_EIRP

| 5G NR n77a SCS=30kHz SISO 80MHz NTNv |                 |                 |                      |      |     |           |      |     |       |         |
|--------------------------------------|-----------------|-----------------|----------------------|------|-----|-----------|------|-----|-------|---------|
| Modulation                           | Frequency (MHz) | RB Allocation   | Conducted Power(dBm) |      |     | EIRP(dBm) |      |     | Limit | Verdict |
|                                      |                 |                 | Ant2                 | Ant0 | Sum | Ant2      | Ant0 | Sum |       |         |
| DFT-s-OFDM PI/2 BPSK                 | 3740.01         | Edge 1RB Left   | 20.83                | /    | /   | 23.33     | /    | /   | <=30  | Pass    |
|                                      |                 | Edge 1RB Right  | 21.11                | /    | /   | 23.61     | /    | /   | <=30  | Pass    |
|                                      |                 | Outer Full      | 24.17                | /    | /   | 26.67     | /    | /   | <=30  | Pass    |
|                                      |                 | Inner Full      | 24.92                | /    | /   | 27.42     | /    | /   | <=30  | Pass    |
|                                      |                 | Inner 1RB Left  | 24.33                | /    | /   | 26.83     | /    | /   | <=30  | Pass    |
|                                      |                 | Inner 1RB Right | 24.59                | /    | /   | 27.09     | /    | /   | <=30  | Pass    |
|                                      | 3840            | Edge 1RB Left   | 21.58                | /    | /   | 24.08     | /    | /   | <=30  | Pass    |
|                                      |                 | Edge 1RB Right  | 20.71                | /    | /   | 23.21     | /    | /   | <=30  | Pass    |
|                                      |                 | Outer Full      | 24.60                | /    | /   | 27.10     | /    | /   | <=30  | Pass    |
|                                      |                 | Inner Full      | 25.30                | /    | /   | 27.80     | /    | /   | <=30  | Pass    |
|                                      |                 | Inner 1RB Left  | 25.18                | /    | /   | 27.68     | /    | /   | <=30  | Pass    |
|                                      |                 | Inner 1RB Right | 24.26                | /    | /   | 26.76     | /    | /   | <=30  | Pass    |
|                                      | 3939.99         | Edge 1RB Left   | 21.59                | /    | /   | 24.09     | /    | /   | <=30  | Pass    |
|                                      |                 | Edge 1RB Right  | 21.46                | /    | /   | 23.96     | /    | /   | <=30  | Pass    |
|                                      |                 | Outer Full      | 24.55                | /    | /   | 27.05     | /    | /   | <=30  | Pass    |

|                    |         |                 |       |   |   |       |   |   |      |      |
|--------------------|---------|-----------------|-------|---|---|-------|---|---|------|------|
|                    |         | Inner_Full      | 25.01 | / | / | 27.51 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Left  | 25.12 | / | / | 27.62 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Right | 24.97 | / | / | 27.47 | / | / | <=30 | Pass |
| DFT-s-OFDM QPSK    | 3740.01 | Edge_1RB_Left   | 20.78 | / | / | 23.28 | / | / | <=30 | Pass |
|                    |         | Edge_1RB_Right  | 21.05 | / | / | 23.55 | / | / | <=30 | Pass |
|                    |         | Outer_Full      | 23.66 | / | / | 26.16 | / | / | <=30 | Pass |
|                    |         | Inner_Full      | 24.97 | / | / | 27.47 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Left  | 24.29 | / | / | 26.79 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Right | 24.57 | / | / | 27.07 | / | / | <=30 | Pass |
|                    |         | Edge_1RB_Left   | 21.58 | / | / | 24.08 | / | / | <=30 | Pass |
|                    | 3840    | Edge_1RB_Right  | 20.64 | / | / | 23.14 | / | / | <=30 | Pass |
|                    |         | Outer_Full      | 24.10 | / | / | 26.60 | / | / | <=30 | Pass |
|                    |         | Inner_Full      | 25.34 | / | / | 27.84 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Left  | 25.15 | / | / | 27.65 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Right | 24.18 | / | / | 26.68 | / | / | <=30 | Pass |
|                    | 3939.99 | Edge_1RB_Left   | 21.59 | / | / | 24.09 | / | / | <=30 | Pass |
|                    |         | Edge_1RB_Right  | 21.43 | / | / | 23.93 | / | / | <=30 | Pass |
|                    |         | Outer_Full      | 24.11 | / | / | 26.61 | / | / | <=30 | Pass |
|                    |         | Inner_Full      | 24.96 | / | / | 27.46 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Left  | 25.09 | / | / | 27.59 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Right | 24.95 | / | / | 27.45 | / | / | <=30 | Pass |
| DFT-s-OFDM 16 QAM  | 3740.01 | Edge_1RB_Left   | 20.77 | / | / | 23.27 | / | / | <=30 | Pass |
|                    |         | Edge_1RB_Right  | 21.03 | / | / | 23.53 | / | / | <=30 | Pass |
|                    |         | Outer_Full      | 22.71 | / | / | 25.21 | / | / | <=30 | Pass |
|                    |         | Inner_Full      | 23.91 | / | / | 26.41 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Left  | 23.23 | / | / | 25.73 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Right | 23.49 | / | / | 25.99 | / | / | <=30 | Pass |
|                    | 3840    | Edge_1RB_Left   | 21.50 | / | / | 24.00 | / | / | <=30 | Pass |
|                    |         | Edge_1RB_Right  | 20.57 | / | / | 23.07 | / | / | <=30 | Pass |
|                    |         | Outer_Full      | 23.10 | / | / | 25.60 | / | / | <=30 | Pass |
|                    |         | Inner_Full      | 24.33 | / | / | 26.83 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Left  | 23.99 | / | / | 26.49 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Right | 23.05 | / | / | 25.55 | / | / | <=30 | Pass |
|                    | 3939.99 | Edge_1RB_Left   | 21.54 | / | / | 24.04 | / | / | <=30 | Pass |
|                    |         | Edge_1RB_Right  | 21.41 | / | / | 23.91 | / | / | <=30 | Pass |
|                    |         | Outer_Full      | 22.97 | / | / | 25.47 | / | / | <=30 | Pass |
|                    |         | Inner_Full      | 23.99 | / | / | 26.49 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Left  | 24.01 | / | / | 26.51 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Right | 23.87 | / | / | 26.37 | / | / | <=30 | Pass |
| DFT-s-OFDM 64 QAM  | 3740.01 | Edge_1RB_Left   | 20.95 | / | / | 23.45 | / | / | <=30 | Pass |
|                    |         | Edge_1RB_Right  | 21.14 | / | / | 23.64 | / | / | <=30 | Pass |
|                    |         | Outer_Full      | 22.24 | / | / | 24.74 | / | / | <=30 | Pass |
|                    |         | Inner_Full      | 22.43 | / | / | 24.93 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Left  | 21.95 | / | / | 24.45 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Right | 22.15 | / | / | 24.65 | / | / | <=30 | Pass |
|                    | 3840    | Edge_1RB_Left   | 21.76 | / | / | 24.26 | / | / | <=30 | Pass |
|                    |         | Edge_1RB_Right  | 20.94 | / | / | 23.44 | / | / | <=30 | Pass |
|                    |         | Outer_Full      | 22.60 | / | / | 25.10 | / | / | <=30 | Pass |
|                    |         | Inner_Full      | 22.76 | / | / | 25.26 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Left  | 22.56 | / | / | 25.06 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Right | 21.76 | / | / | 24.26 | / | / | <=30 | Pass |
|                    | 3939.99 | Edge_1RB_Left   | 21.62 | / | / | 24.12 | / | / | <=30 | Pass |
|                    |         | Edge_1RB_Right  | 21.55 | / | / | 24.05 | / | / | <=30 | Pass |
|                    |         | Outer_Full      | 22.50 | / | / | 25.00 | / | / | <=30 | Pass |
|                    |         | Inner_Full      | 22.39 | / | / | 24.89 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Left  | 22.53 | / | / | 25.03 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Right | 22.42 | / | / | 24.92 | / | / | <=30 | Pass |
| DFT-s-OFDM 256 QAM | 3740.01 | Edge_1RB_Left   | 19.77 | / | / | 22.27 | / | / | <=30 | Pass |
|                    |         | Edge_1RB_Right  | 20.07 | / | / | 22.57 | / | / | <=30 | Pass |

|                |         |                 |       |   |   |       |   |   |      |      |
|----------------|---------|-----------------|-------|---|---|-------|---|---|------|------|
|                |         | Outer_Full      | 20.23 | / | / | 22.73 | / | / | <=30 | Pass |
|                |         | Inner_Full      | 20.44 | / | / | 22.94 | / | / | <=30 | Pass |
|                |         | Inner_1RB_Left  | 19.83 | / | / | 22.33 | / | / | <=30 | Pass |
|                |         | Inner_1RB_Right | 20.00 | / | / | 22.50 | / | / | <=30 | Pass |
|                | 3840    | Edge_1RB_Left   | 20.59 | / | / | 23.09 | / | / | <=30 | Pass |
|                |         | Edge_1RB_Right  | 19.70 | / | / | 22.20 | / | / | <=30 | Pass |
|                |         | Outer_Full      | 20.61 | / | / | 23.11 | / | / | <=30 | Pass |
|                |         | Inner_Full      | 20.73 | / | / | 23.23 | / | / | <=30 | Pass |
|                |         | Inner_1RB_Left  | 20.66 | / | / | 23.16 | / | / | <=30 | Pass |
|                |         | Inner_1RB_Right | 19.75 | / | / | 22.25 | / | / | <=30 | Pass |
|                | 3939.99 | Edge_1RB_Left   | 20.58 | / | / | 23.08 | / | / | <=30 | Pass |
|                |         | Edge_1RB_Right  | 20.34 | / | / | 22.84 | / | / | <=30 | Pass |
|                |         | Outer_Full      | 20.53 | / | / | 23.03 | / | / | <=30 | Pass |
|                |         | Inner_Full      | 20.52 | / | / | 23.02 | / | / | <=30 | Pass |
|                |         | Inner_1RB_Left  | 20.57 | / | / | 23.07 | / | / | <=30 | Pass |
|                |         | Inner_1RB_Right | 20.31 | / | / | 22.81 | / | / | <=30 | Pass |
| CP-OFDM QPSK   | 3740.01 | Edge_1RB_Left   | 20.89 | / | / | 23.39 | / | / | <=30 | Pass |
|                |         | Edge_1RB_Right  | 21.16 | / | / | 23.66 | / | / | <=30 | Pass |
|                |         | Outer_Full      | 21.71 | / | / | 24.21 | / | / | <=30 | Pass |
|                |         | Inner_Full      | 23.40 | / | / | 25.90 | / | / | <=30 | Pass |
|                |         | Inner_1RB_Left  | 22.80 | / | / | 25.30 | / | / | <=30 | Pass |
|                |         | Inner_1RB_Right | 23.09 | / | / | 25.59 | / | / | <=30 | Pass |
|                | 3840    | Edge_1RB_Left   | 21.72 | / | / | 24.22 | / | / | <=30 | Pass |
|                |         | Edge_1RB_Right  | 20.78 | / | / | 23.28 | / | / | <=30 | Pass |
|                |         | Outer_Full      | 22.09 | / | / | 24.59 | / | / | <=30 | Pass |
|                |         | Inner_Full      | 23.77 | / | / | 26.27 | / | / | <=30 | Pass |
|                |         | Inner_1RB_Left  | 23.76 | / | / | 26.26 | / | / | <=30 | Pass |
|                |         | Inner_1RB_Right | 22.86 | / | / | 25.36 | / | / | <=30 | Pass |
|                | 3939.99 | Edge_1RB_Left   | 21.66 | / | / | 24.16 | / | / | <=30 | Pass |
|                |         | Edge_1RB_Right  | 21.62 | / | / | 24.12 | / | / | <=30 | Pass |
|                |         | Outer_Full      | 22.02 | / | / | 24.52 | / | / | <=30 | Pass |
|                |         | Inner_Full      | 23.46 | / | / | 25.96 | / | / | <=30 | Pass |
|                |         | Inner_1RB_Left  | 23.77 | / | / | 26.27 | / | / | <=30 | Pass |
|                |         | Inner_1RB_Right | 23.49 | / | / | 25.99 | / | / | <=30 | Pass |
| CP-OFDM 16 QAM | 3740.01 | Edge_1RB_Left   | 20.87 | / | / | 23.37 | / | / | <=30 | Pass |
|                |         | Edge_1RB_Right  | 21.03 | / | / | 23.53 | / | / | <=30 | Pass |
|                |         | Outer_Full      | 21.68 | / | / | 24.18 | / | / | <=30 | Pass |
|                |         | Inner_Full      | 22.92 | / | / | 25.42 | / | / | <=30 | Pass |
|                |         | Inner_1RB_Left  | 22.25 | / | / | 24.75 | / | / | <=30 | Pass |
|                |         | Inner_1RB_Right | 22.49 | / | / | 24.99 | / | / | <=30 | Pass |
|                | 3840    | Edge_1RB_Left   | 21.51 | / | / | 24.01 | / | / | <=30 | Pass |
|                |         | Edge_1RB_Right  | 20.66 | / | / | 23.16 | / | / | <=30 | Pass |
|                |         | Outer_Full      | 22.04 | / | / | 24.54 | / | / | <=30 | Pass |
|                |         | Inner_Full      | 23.21 | / | / | 25.71 | / | / | <=30 | Pass |
|                |         | Inner_1RB_Left  | 23.09 | / | / | 25.59 | / | / | <=30 | Pass |
|                |         | Inner_1RB_Right | 22.13 | / | / | 24.63 | / | / | <=30 | Pass |
|                | 3939.99 | Edge_1RB_Left   | 21.39 | / | / | 23.89 | / | / | <=30 | Pass |
|                |         | Edge_1RB_Right  | 21.26 | / | / | 23.76 | / | / | <=30 | Pass |
|                |         | Outer_Full      | 22.00 | / | / | 24.50 | / | / | <=30 | Pass |
|                |         | Inner_Full      | 23.01 | / | / | 25.51 | / | / | <=30 | Pass |
|                |         | Inner_1RB_Left  | 23.05 | / | / | 25.55 | / | / | <=30 | Pass |
|                |         | Inner_1RB_Right | 22.78 | / | / | 25.28 | / | / | <=30 | Pass |
| CP-OFDM 64 QAM | 3740.01 | Edge_1RB_Left   | 20.92 | / | / | 23.42 | / | / | <=30 | Pass |
|                |         | Edge_1RB_Right  | 21.11 | / | / | 23.61 | / | / | <=30 | Pass |
|                |         | Outer_Full      | 21.20 | / | / | 23.70 | / | / | <=30 | Pass |
|                |         | Inner_Full      | 21.43 | / | / | 23.93 | / | / | <=30 | Pass |
|                |         | Inner_1RB_Left  | 20.91 | / | / | 23.41 | / | / | <=30 | Pass |
|                |         | Inner_1RB_Right | 21.20 | / | / | 23.70 | / | / | <=30 | Pass |
|                | 3840    | Edge_1RB_Left   | 21.73 | / | / | 24.23 | / | / | <=30 | Pass |

|                                                    |         |                 |                 |       |   |       |       |   |      |      |      |
|----------------------------------------------------|---------|-----------------|-----------------|-------|---|-------|-------|---|------|------|------|
|                                                    |         | Edge 1RB Right  | 20.75           | /     | / | 23.25 | /     | / | <=30 | Pass |      |
|                                                    |         | Outer Full      | 21.61           | /     | / | 24.11 | /     | / | <=30 | Pass |      |
|                                                    |         | Inner Full      | 21.80           | /     | / | 24.30 | /     | / | <=30 | Pass |      |
|                                                    |         | Inner 1RB Left  | 21.76           | /     | / | 24.26 | /     | / | <=30 | Pass |      |
|                                                    |         | Inner 1RB Right | 20.76           | /     | / | 23.26 | /     | / | <=30 | Pass |      |
|                                                    |         | 3939.99         | Edge 1RB Left   | 21.58 | / | /     | 24.08 | / | /    | <=30 | Pass |
|                                                    |         |                 | Edge 1RB Right  | 21.39 | / | /     | 23.89 | / | /    | <=30 | Pass |
|                                                    |         |                 | Outer Full      | 21.52 | / | /     | 24.02 | / | /    | <=30 | Pass |
|                                                    |         |                 | Inner Full      | 21.41 | / | /     | 23.91 | / | /    | <=30 | Pass |
|                                                    |         |                 | Inner 1RB Left  | 21.67 | / | /     | 24.17 | / | /    | <=30 | Pass |
|                                                    |         |                 | Inner 1RB Right | 21.49 | / | /     | 23.99 | / | /    | <=30 | Pass |
|                                                    |         |                 |                 |       |   |       |       |   |      |      |      |
| CP-OFDM 256 QAM                                    | 3740.01 | Edge 1RB Left   | 17.85           | /     | / | 20.35 | /     | / | <=30 | Pass |      |
|                                                    |         | Edge 1RB Right  | 18.17           | /     | / | 20.67 | /     | / | <=30 | Pass |      |
|                                                    |         | Outer Full      | 18.22           | /     | / | 20.72 | /     | / | <=30 | Pass |      |
|                                                    |         | Inner Full      | 18.46           | /     | / | 20.96 | /     | / | <=30 | Pass |      |
|                                                    |         | Inner 1RB Left  | 17.94           | /     | / | 20.44 | /     | / | <=30 | Pass |      |
|                                                    |         | Inner 1RB Right | 18.12           | /     | / | 20.62 | /     | / | <=30 | Pass |      |
|                                                    | 3840    | Edge 1RB Left   | 18.68           | /     | / | 21.18 | /     | / | <=30 | Pass |      |
|                                                    |         | Edge 1RB Right  | 17.79           | /     | / | 20.29 | /     | / | <=30 | Pass |      |
|                                                    |         | Outer Full      | 18.64           | /     | / | 21.14 | /     | / | <=30 | Pass |      |
|                                                    |         | Inner Full      | 18.88           | /     | / | 21.38 | /     | / | <=30 | Pass |      |
|                                                    |         | Inner 1RB Left  | 18.66           | /     | / | 21.16 | /     | / | <=30 | Pass |      |
|                                                    |         | Inner 1RB Right | 17.77           | /     | / | 20.27 | /     | / | <=30 | Pass |      |
|                                                    | 3939.99 | Edge 1RB Left   | 18.58           | /     | / | 21.08 | /     | / | <=30 | Pass |      |
|                                                    |         | Edge 1RB Right  | 18.40           | /     | / | 20.90 | /     | / | <=30 | Pass |      |
|                                                    |         | Outer Full      | 18.64           | /     | / | 21.14 | /     | / | <=30 | Pass |      |
|                                                    |         | Inner Full      | 18.44           | /     | / | 20.94 | /     | / | <=30 | Pass |      |
|                                                    |         | Inner 1RB Left  | 18.64           | /     | / | 21.14 | /     | / | <=30 | Pass |      |
|                                                    |         | Inner 1RB Right | 18.47           | /     | / | 20.97 | /     | / | <=30 | Pass |      |
| Note1: Antenna Gain: Ant2: 2.50dBi; Ant0: 2.50dBi; |         |                 |                 |       |   |       |       |   |      |      |      |
| Note2: EIRP=Conducted Power+Antenna Gain           |         |                 |                 |       |   |       |       |   |      |      |      |

### 1.1.6 30k\_SISO\_100MHz\_NTNV\_EIRP

| 5G NR n77a SCS=30kHz SISO 100MHz NTN |                 |                 |                      |      |     |           |      |     |       |         |
|--------------------------------------|-----------------|-----------------|----------------------|------|-----|-----------|------|-----|-------|---------|
| Modulation                           | Frequency (MHz) | RB Allocation   | Conducted Power(dBm) |      |     | EIRP(dBm) |      |     |       | Verdict |
|                                      |                 |                 | Ant2                 | Ant0 | Sum | Ant2      | Ant0 | Sum | Limit |         |
| DFT-s-OFDM PI/2 BPSK                 | 3750            | Edge 1RB Left   | 20.81                | /    | /   | 23.31     | /    | /   | <=30  | Pass    |
|                                      |                 | Edge 1RB Right  | 21.92                | /    | /   | 24.42     | /    | /   | <=30  | Pass    |
|                                      |                 | Outer Full      | 24.23                | /    | /   | 26.73     | /    | /   | <=30  | Pass    |
|                                      |                 | Inner Full      | 24.75                | /    | /   | 27.25     | /    | /   | <=30  | Pass    |
|                                      |                 | Inner 1RB Left  | 24.28                | /    | /   | 26.78     | /    | /   | <=30  | Pass    |
|                                      |                 | Inner 1RB Right | 25.44                | /    | /   | 27.94     | /    | /   | <=30  | Pass    |
|                                      | 3840            | Edge 1RB Left   | 21.50                | /    | /   | 24.00     | /    | /   | <=30  | Pass    |
|                                      |                 | Edge 1RB Right  | 20.85                | /    | /   | 23.35     | /    | /   | <=30  | Pass    |
|                                      |                 | Outer Full      | 24.53                | /    | /   | 27.03     | /    | /   | <=30  | Pass    |
|                                      |                 | Inner Full      | 25.30                | /    | /   | 27.80     | /    | /   | <=30  | Pass    |
|                                      |                 | Inner 1RB Left  | 25.01                | /    | /   | 27.51     | /    | /   | <=30  | Pass    |
|                                      |                 | Inner 1RB Right | 24.30                | /    | /   | 26.80     | /    | /   | <=30  | Pass    |
|                                      | 3930            | Edge 1RB Left   | 20.91                | /    | /   | 23.41     | /    | /   | <=30  | Pass    |
|                                      |                 | Edge 1RB Right  | 21.71                | /    | /   | 24.21     | /    | /   | <=30  | Pass    |
|                                      |                 | Outer Full      | 24.61                | /    | /   | 27.11     | /    | /   | <=30  | Pass    |
|                                      |                 | Inner Full      | 25.25                | /    | /   | 27.75     | /    | /   | <=30  | Pass    |
|                                      |                 | Inner 1RB Left  | 24.39                | /    | /   | 26.89     | /    | /   | <=30  | Pass    |
|                                      |                 | Inner 1RB Right | 25.29                | /    | /   | 27.79     | /    | /   | <=30  | Pass    |
| DFT-s-OFDM QPSK                      | 3750            | Edge 1RB Left   | 20.80                | /    | /   | 23.30     | /    | /   | <=30  | Pass    |
|                                      |                 | Edge 1RB Right  | 21.86                | /    | /   | 24.36     | /    | /   | <=30  | Pass    |
|                                      |                 | Outer Full      | 23.72                | /    | /   | 26.22     | /    | /   | <=30  | Pass    |

|                    |      |                 |       |   |   |       |   |   |      |      |
|--------------------|------|-----------------|-------|---|---|-------|---|---|------|------|
|                    |      | Inner_Full      | 24.76 | / | / | 27.26 | / | / | <=30 | Pass |
|                    |      | Inner_1RB_Left  | 24.29 | / | / | 26.79 | / | / | <=30 | Pass |
|                    |      | Inner_1RB_Right | 25.41 | / | / | 27.91 | / | / | <=30 | Pass |
|                    | 3840 | Edge_1RB_Left   | 21.47 | / | / | 23.97 | / | / | <=30 | Pass |
|                    |      | Edge_1RB_Right  | 20.82 | / | / | 23.32 | / | / | <=30 | Pass |
|                    |      | Outer_Full      | 24.02 | / | / | 26.52 | / | / | <=30 | Pass |
|                    |      | Inner_Full      | 25.28 | / | / | 27.78 | / | / | <=30 | Pass |
|                    |      | Inner_1RB_Left  | 24.98 | / | / | 27.48 | / | / | <=30 | Pass |
|                    |      | Inner_1RB_Right | 24.29 | / | / | 26.79 | / | / | <=30 | Pass |
|                    | 3930 | Edge_1RB_Left   | 20.83 | / | / | 23.33 | / | / | <=30 | Pass |
|                    |      | Edge_1RB_Right  | 21.74 | / | / | 24.24 | / | / | <=30 | Pass |
|                    |      | Outer_Full      | 24.06 | / | / | 26.56 | / | / | <=30 | Pass |
|                    |      | Inner_Full      | 25.30 | / | / | 27.80 | / | / | <=30 | Pass |
|                    |      | Inner_1RB_Left  | 24.30 | / | / | 26.80 | / | / | <=30 | Pass |
|                    |      | Inner_1RB_Right | 25.14 | / | / | 27.64 | / | / | <=30 | Pass |
| DFT-s-OFDM 16 QAM  | 3750 | Edge_1RB_Left   | 20.58 | / | / | 23.08 | / | / | <=30 | Pass |
|                    |      | Edge_1RB_Right  | 21.73 | / | / | 24.23 | / | / | <=30 | Pass |
|                    |      | Outer_Full      | 22.73 | / | / | 25.23 | / | / | <=30 | Pass |
|                    |      | Inner_Full      | 23.71 | / | / | 26.21 | / | / | <=30 | Pass |
|                    |      | Inner_1RB_Left  | 23.14 | / | / | 25.64 | / | / | <=30 | Pass |
|                    |      | Inner_1RB_Right | 24.21 | / | / | 26.71 | / | / | <=30 | Pass |
|                    | 3840 | Edge_1RB_Left   | 21.44 | / | / | 23.94 | / | / | <=30 | Pass |
|                    |      | Edge_1RB_Right  | 20.75 | / | / | 23.25 | / | / | <=30 | Pass |
|                    |      | Outer_Full      | 23.03 | / | / | 25.53 | / | / | <=30 | Pass |
|                    |      | Inner_Full      | 24.26 | / | / | 26.76 | / | / | <=30 | Pass |
|                    |      | Inner_1RB_Left  | 23.94 | / | / | 26.44 | / | / | <=30 | Pass |
|                    |      | Inner_1RB_Right | 23.28 | / | / | 25.78 | / | / | <=30 | Pass |
|                    | 3930 | Edge_1RB_Left   | 20.78 | / | / | 23.28 | / | / | <=30 | Pass |
|                    |      | Edge_1RB_Right  | 21.60 | / | / | 24.10 | / | / | <=30 | Pass |
|                    |      | Outer_Full      | 23.04 | / | / | 25.54 | / | / | <=30 | Pass |
|                    |      | Inner_Full      | 24.27 | / | / | 26.77 | / | / | <=30 | Pass |
|                    |      | Inner_1RB_Left  | 23.24 | / | / | 25.74 | / | / | <=30 | Pass |
|                    |      | Inner_1RB_Right | 24.06 | / | / | 26.56 | / | / | <=30 | Pass |
| DFT-s-OFDM 64 QAM  | 3750 | Edge_1RB_Left   | 20.79 | / | / | 23.29 | / | / | <=30 | Pass |
|                    |      | Edge_1RB_Right  | 21.88 | / | / | 24.38 | / | / | <=30 | Pass |
|                    |      | Outer_Full      | 22.24 | / | / | 24.74 | / | / | <=30 | Pass |
|                    |      | Inner_Full      | 22.23 | / | / | 24.73 | / | / | <=30 | Pass |
|                    |      | Inner_1RB_Left  | 21.80 | / | / | 24.30 | / | / | <=30 | Pass |
|                    |      | Inner_1RB_Right | 22.92 | / | / | 25.42 | / | / | <=30 | Pass |
|                    | 3840 | Edge_1RB_Left   | 21.63 | / | / | 24.13 | / | / | <=30 | Pass |
|                    |      | Edge_1RB_Right  | 20.87 | / | / | 23.37 | / | / | <=30 | Pass |
|                    |      | Outer_Full      | 22.48 | / | / | 24.98 | / | / | <=30 | Pass |
|                    |      | Inner_Full      | 22.72 | / | / | 25.22 | / | / | <=30 | Pass |
|                    |      | Inner_1RB_Left  | 22.67 | / | / | 25.17 | / | / | <=30 | Pass |
|                    |      | Inner_1RB_Right | 21.90 | / | / | 24.40 | / | / | <=30 | Pass |
|                    | 3930 | Edge_1RB_Left   | 20.88 | / | / | 23.38 | / | / | <=30 | Pass |
|                    |      | Edge_1RB_Right  | 21.79 | / | / | 24.29 | / | / | <=30 | Pass |
|                    |      | Outer_Full      | 22.59 | / | / | 25.09 | / | / | <=30 | Pass |
|                    |      | Inner_Full      | 22.74 | / | / | 25.24 | / | / | <=30 | Pass |
|                    |      | Inner_1RB_Left  | 21.84 | / | / | 24.34 | / | / | <=30 | Pass |
|                    |      | Inner_1RB_Right | 22.77 | / | / | 25.27 | / | / | <=30 | Pass |
| DFT-s-OFDM 256 QAM | 3750 | Edge_1RB_Left   | 19.80 | / | / | 22.30 | / | / | <=30 | Pass |
|                    |      | Edge_1RB_Right  | 20.86 | / | / | 23.36 | / | / | <=30 | Pass |
|                    |      | Outer_Full      | 20.20 | / | / | 22.70 | / | / | <=30 | Pass |
|                    |      | Inner_Full      | 20.29 | / | / | 22.79 | / | / | <=30 | Pass |
|                    |      | Inner_1RB_Left  | 19.80 | / | / | 22.30 | / | / | <=30 | Pass |
|                    |      | Inner_1RB_Right | 20.93 | / | / | 23.43 | / | / | <=30 | Pass |
|                    | 3840 | Edge_1RB_Left   | 20.47 | / | / | 22.97 | / | / | <=30 | Pass |
|                    |      | Edge_1RB_Right  | 19.87 | / | / | 22.37 | / | / | <=30 | Pass |

|                |      |                 |       |   |   |       |   |   |      |      |
|----------------|------|-----------------|-------|---|---|-------|---|---|------|------|
|                |      | Outer_Full      | 20.48 | / | / | 22.98 | / | / | <=30 | Pass |
|                |      | Inner_Full      | 20.78 | / | / | 23.28 | / | / | <=30 | Pass |
|                |      | Inner_1RB_Left  | 20.47 | / | / | 22.97 | / | / | <=30 | Pass |
|                |      | Inner_1RB_Right | 19.86 | / | / | 22.36 | / | / | <=30 | Pass |
|                | 3930 | Edge_1RB_Left   | 19.71 | / | / | 22.21 | / | / | <=30 | Pass |
|                |      | Edge_1RB_Right  | 20.66 | / | / | 23.16 | / | / | <=30 | Pass |
|                |      | Outer_Full      | 20.45 | / | / | 22.95 | / | / | <=30 | Pass |
|                |      | Inner_Full      | 20.70 | / | / | 23.20 | / | / | <=30 | Pass |
|                |      | Inner_1RB_Left  | 19.74 | / | / | 22.24 | / | / | <=30 | Pass |
|                |      | Inner_1RB_Right | 20.73 | / | / | 23.23 | / | / | <=30 | Pass |
| CP-OFDM QPSK   | 3750 | Edge_1RB_Left   | 20.89 | / | / | 23.39 | / | / | <=30 | Pass |
|                |      | Edge_1RB_Right  | 22.01 | / | / | 24.51 | / | / | <=30 | Pass |
|                |      | Outer_Full      | 21.70 | / | / | 24.20 | / | / | <=30 | Pass |
|                |      | Inner_Full      | 23.22 | / | / | 25.72 | / | / | <=30 | Pass |
|                |      | Inner_1RB_Left  | 22.92 | / | / | 25.42 | / | / | <=30 | Pass |
|                |      | Inner_1RB_Right | 24.01 | / | / | 26.51 | / | / | <=30 | Pass |
|                | 3840 | Edge_1RB_Left   | 21.59 | / | / | 24.09 | / | / | <=30 | Pass |
|                |      | Edge_1RB_Right  | 21.01 | / | / | 23.51 | / | / | <=30 | Pass |
|                |      | Outer_Full      | 22.03 | / | / | 24.53 | / | / | <=30 | Pass |
|                |      | Inner_Full      | 23.71 | / | / | 26.21 | / | / | <=30 | Pass |
|                |      | Inner_1RB_Left  | 23.66 | / | / | 26.16 | / | / | <=30 | Pass |
|                |      | Inner_1RB_Right | 22.87 | / | / | 25.37 | / | / | <=30 | Pass |
|                | 3930 | Edge_1RB_Left   | 20.92 | / | / | 23.42 | / | / | <=30 | Pass |
|                |      | Edge_1RB_Right  | 21.88 | / | / | 24.38 | / | / | <=30 | Pass |
|                |      | Outer_Full      | 22.09 | / | / | 24.59 | / | / | <=30 | Pass |
|                |      | Inner_Full      | 23.81 | / | / | 26.31 | / | / | <=30 | Pass |
|                |      | Inner_1RB_Left  | 23.02 | / | / | 25.52 | / | / | <=30 | Pass |
|                |      | Inner_1RB_Right | 23.80 | / | / | 26.30 | / | / | <=30 | Pass |
| CP-OFDM 16 QAM | 3750 | Edge_1RB_Left   | 20.69 | / | / | 23.19 | / | / | <=30 | Pass |
|                |      | Edge_1RB_Right  | 21.80 | / | / | 24.30 | / | / | <=30 | Pass |
|                |      | Outer_Full      | 21.73 | / | / | 24.23 | / | / | <=30 | Pass |
|                |      | Inner_Full      | 22.78 | / | / | 25.28 | / | / | <=30 | Pass |
|                |      | Inner_1RB_Left  | 22.21 | / | / | 24.71 | / | / | <=30 | Pass |
|                |      | Inner_1RB_Right | 23.32 | / | / | 25.82 | / | / | <=30 | Pass |
|                | 3840 | Edge_1RB_Left   | 21.42 | / | / | 23.92 | / | / | <=30 | Pass |
|                |      | Edge_1RB_Right  | 20.84 | / | / | 23.34 | / | / | <=30 | Pass |
|                |      | Outer_Full      | 22.04 | / | / | 24.54 | / | / | <=30 | Pass |
|                |      | Inner_Full      | 23.25 | / | / | 25.75 | / | / | <=30 | Pass |
|                |      | Inner_1RB_Left  | 23.02 | / | / | 25.52 | / | / | <=30 | Pass |
|                |      | Inner_1RB_Right | 22.14 | / | / | 24.64 | / | / | <=30 | Pass |
|                | 3930 | Edge_1RB_Left   | 20.88 | / | / | 23.38 | / | / | <=30 | Pass |
|                |      | Edge_1RB_Right  | 21.81 | / | / | 24.31 | / | / | <=30 | Pass |
|                |      | Outer_Full      | 22.11 | / | / | 24.61 | / | / | <=30 | Pass |
|                |      | Inner_Full      | 23.30 | / | / | 25.80 | / | / | <=30 | Pass |
|                |      | Inner_1RB_Left  | 22.32 | / | / | 24.82 | / | / | <=30 | Pass |
|                |      | Inner_1RB_Right | 23.13 | / | / | 25.63 | / | / | <=30 | Pass |
| CP-OFDM 64 QAM | 3750 | Edge_1RB_Left   | 20.89 | / | / | 23.39 | / | / | <=30 | Pass |
|                |      | Edge_1RB_Right  | 21.93 | / | / | 24.43 | / | / | <=30 | Pass |
|                |      | Outer_Full      | 21.25 | / | / | 23.75 | / | / | <=30 | Pass |
|                |      | Inner_Full      | 21.26 | / | / | 23.76 | / | / | <=30 | Pass |
|                |      | Inner_1RB_Left  | 20.88 | / | / | 23.38 | / | / | <=30 | Pass |
|                |      | Inner_1RB_Right | 22.01 | / | / | 24.51 | / | / | <=30 | Pass |
|                | 3840 | Edge_1RB_Left   | 21.62 | / | / | 24.12 | / | / | <=30 | Pass |
|                |      | Edge_1RB_Right  | 21.00 | / | / | 23.50 | / | / | <=30 | Pass |
|                |      | Outer_Full      | 21.54 | / | / | 24.04 | / | / | <=30 | Pass |
|                |      | Inner_Full      | 21.81 | / | / | 24.31 | / | / | <=30 | Pass |
|                |      | Inner_1RB_Left  | 21.59 | / | / | 24.09 | / | / | <=30 | Pass |
|                |      | Inner_1RB_Right | 20.93 | / | / | 23.43 | / | / | <=30 | Pass |
|                | 3930 | Edge_1RB_Left   | 20.96 | / | / | 23.46 | / | / | <=30 | Pass |

|                 |                                                                                                |                 |                 |       |   |       |       |   |      |      |      |
|-----------------|------------------------------------------------------------------------------------------------|-----------------|-----------------|-------|---|-------|-------|---|------|------|------|
|                 |                                                                                                | Edge 1RB Right  | 21.98           | /     | / | 24.48 | /     | / | <=30 | Pass |      |
|                 |                                                                                                | Outer Full      | 21.63           | /     | / | 24.13 | /     | / | <=30 | Pass |      |
|                 |                                                                                                | Inner Full      | 21.85           | /     | / | 24.35 | /     | / | <=30 | Pass |      |
|                 |                                                                                                | Inner 1RB Left  | 21.00           | /     | / | 23.50 | /     | / | <=30 | Pass |      |
|                 |                                                                                                | Inner 1RB Right | 21.80           | /     | / | 24.30 | /     | / | <=30 | Pass |      |
| CP-OFDM 256 QAM | 3750                                                                                           | Edge 1RB Left   | 17.76           | /     | / | 20.26 | /     | / | <=30 | Pass |      |
|                 |                                                                                                | Edge 1RB Right  | 18.94           | /     | / | 21.44 | /     | / | <=30 | Pass |      |
|                 |                                                                                                | Outer Full      | 18.31           | /     | / | 20.81 | /     | / | <=30 | Pass |      |
|                 |                                                                                                | Inner Full      | 18.21           | /     | / | 20.71 | /     | / | <=30 | Pass |      |
|                 |                                                                                                | Inner 1RB Left  | 17.80           | /     | / | 20.30 | /     | / | <=30 | Pass |      |
|                 |                                                                                                | Inner 1RB Right | 18.92           | /     | / | 21.42 | /     | / | <=30 | Pass |      |
|                 | 3840                                                                                           | Edge 1RB Left   | 18.61           | /     | / | 21.11 | /     | / | <=30 | Pass |      |
|                 |                                                                                                | Edge 1RB Right  | 17.89           | /     | / | 20.39 | /     | / | <=30 | Pass |      |
|                 |                                                                                                | Outer Full      | 18.60           | /     | / | 21.10 | /     | / | <=30 | Pass |      |
|                 |                                                                                                | Inner Full      | 18.80           | /     | / | 21.30 | /     | / | <=30 | Pass |      |
|                 |                                                                                                | Inner 1RB Left  | 18.62           | /     | / | 21.12 | /     | / | <=30 | Pass |      |
|                 |                                                                                                | Inner 1RB Right | 17.89           | /     | / | 20.39 | /     | / | <=30 | Pass |      |
|                 | 3930                                                                                           | Edge 1RB Left   | 17.92           | /     | / | 20.42 | /     | / | <=30 | Pass |      |
|                 |                                                                                                | Edge 1RB Right  | 18.76           | /     | / | 21.26 | /     | / | <=30 | Pass |      |
|                 |                                                                                                | Outer Full      | 18.59           | /     | / | 21.09 | /     | / | <=30 | Pass |      |
|                 |                                                                                                | Inner Full      | 18.78           | /     | / | 21.28 | /     | / | <=30 | Pass |      |
|                 |                                                                                                | Inner 1RB Left  | 17.96           | /     | / | 20.46 | /     | / | <=30 | Pass |      |
|                 |                                                                                                |                 | Inner 1RB Right | 18.64 | / | /     | 21.14 | / | /    | <=30 | Pass |
|                 | Note1: Antenna Gain: Ant2: 2.50dBi; Ant0: 2.50dBi;<br>Note2: EIRP=Conducted Power+Antenna Gain |                 |                 |       |   |       |       |   |      |      |      |

### 1.1.7 30k\_MIMO\_20MHz\_NTNV\_EIRP

| 5G NR n77a SCS=30kHz MIMO 20MHz NTN |                 |                 |                      |       |       |           |       |       |       |         |
|-------------------------------------|-----------------|-----------------|----------------------|-------|-------|-----------|-------|-------|-------|---------|
| Modulation                          | Frequency (MHz) | RB Allocation   | Conducted Power(dBm) |       |       | EIRP(dBm) |       |       |       | Verdict |
|                                     |                 |                 | Ant2                 | Ant0  | Sum   | Ant2      | Ant0  | Sum   | Limit |         |
| CP-OFDM QPSK                        | 3710.01         | Edge 1RB Left   | 18.16                | 19.50 | 21.89 | 20.66     | 22.00 | 24.39 | <=30  | Pass    |
|                                     |                 | Edge 1RB Right  | 18.58                | 19.48 | 22.06 | 21.08     | 21.98 | 24.56 | <=30  | Pass    |
|                                     |                 | Outer Full      | 18.68                | 19.78 | 22.28 | 21.18     | 22.28 | 24.78 | <=30  | Pass    |
|                                     |                 | Inner Full      | 20.05                | 21.24 | 23.70 | 22.55     | 23.74 | 26.20 | <=30  | Pass    |
|                                     |                 | Inner 1RB Left  | 20.10                | 21.40 | 23.81 | 22.60     | 23.90 | 26.31 | <=30  | Pass    |
|                                     |                 | Inner 1RB Right | 20.76                | 21.38 | 24.09 | 23.26     | 23.88 | 26.59 | <=30  | Pass    |
|                                     | 3840            | Edge 1RB Left   | 19.42                | 19.52 | 22.48 | 21.92     | 22.02 | 24.98 | <=30  | Pass    |
|                                     |                 | Edge 1RB Right  | 19.00                | 19.64 | 22.34 | 21.50     | 22.14 | 24.84 | <=30  | Pass    |
|                                     |                 | Outer Full      | 19.70                | 20.07 | 22.90 | 22.20     | 22.57 | 25.40 | <=30  | Pass    |
|                                     |                 | Inner Full      | 21.18                | 21.39 | 24.30 | 23.68     | 23.89 | 26.80 | <=30  | Pass    |
|                                     |                 | Inner 1RB Left  | 21.44                | 21.55 | 24.51 | 23.94     | 24.05 | 27.01 | <=30  | Pass    |
|                                     |                 | Inner 1RB Right | 21.01                | 21.56 | 24.30 | 23.51     | 24.06 | 26.80 | <=30  | Pass    |
|                                     | 3969.99         | Edge 1RB Left   | 18.73                | 19.65 | 22.22 | 21.23     | 22.15 | 24.72 | <=30  | Pass    |
|                                     |                 | Edge 1RB Right  | 19.06                | 19.69 | 22.40 | 21.56     | 22.19 | 24.90 | <=30  | Pass    |
|                                     |                 | Outer Full      | 19.24                | 20.04 | 22.67 | 21.74     | 22.54 | 25.17 | <=30  | Pass    |
|                                     |                 | Inner Full      | 20.71                | 21.48 | 24.12 | 23.21     | 23.98 | 26.62 | <=30  | Pass    |
|                                     |                 | Inner 1RB Left  | 20.64                | 21.57 | 24.14 | 23.14     | 24.07 | 26.64 | <=30  | Pass    |
|                                     |                 | Inner 1RB Right | 21.03                | 21.54 | 24.30 | 23.53     | 24.04 | 26.80 | <=30  | Pass    |
| CP-OFDM 16 QAM                      | 3710.01         | Edge 1RB Left   | 18.17                | 19.38 | 21.82 | 20.67     | 21.88 | 24.33 | <=30  | Pass    |
|                                     |                 | Edge 1RB Right  | 18.42                | 19.31 | 21.90 | 20.92     | 21.81 | 24.40 | <=30  | Pass    |
|                                     |                 | Outer Full      | 18.71                | 19.91 | 22.36 | 21.21     | 22.41 | 24.86 | <=30  | Pass    |
|                                     |                 | Inner Full      | 19.62                | 20.80 | 23.26 | 22.12     | 23.30 | 25.76 | <=30  | Pass    |
|                                     |                 | Inner 1RB Left  | 19.65                | 20.89 | 23.32 | 22.15     | 23.39 | 25.82 | <=30  | Pass    |
|                                     |                 | Inner 1RB Right | 19.99                | 20.83 | 23.44 | 22.49     | 23.33 | 25.94 | <=30  | Pass    |
|                                     | 3840            | Edge 1RB Left   | 19.23                | 19.39 | 22.32 | 21.73     | 21.89 | 24.82 | <=30  | Pass    |
|                                     |                 | Edge 1RB Right  | 19.00                | 19.52 | 22.28 | 21.50     | 22.02 | 24.78 | <=30  | Pass    |
| Outer Full                          |                 | 19.72           | 20.08                | 22.92 | 22.22 | 22.58     | 25.41 | <=30  | Pass  |         |

|                                                                                                                                                                            |         |                 |       |       |       |       |       |       |      |      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-----------------|-------|-------|-------|-------|-------|-------|------|------|
|                                                                                                                                                                            |         | Inner_Full      | 20.62 | 21.01 | 23.83 | 23.12 | 23.51 | 26.33 | <=30 | Pass |
|                                                                                                                                                                            |         | Inner_1RB_Left  | 20.68 | 21.08 | 23.90 | 23.18 | 23.58 | 26.39 | <=30 | Pass |
|                                                                                                                                                                            |         | Inner_1RB_Right | 20.50 | 21.14 | 23.84 | 23.00 | 23.64 | 26.34 | <=30 | Pass |
|                                                                                                                                                                            | 3969.99 | Edge_1RB_Left   | 18.56 | 19.54 | 22.09 | 21.06 | 22.04 | 24.59 | <=30 | Pass |
|                                                                                                                                                                            |         | Edge_1RB_Right  | 19.00 | 19.58 | 22.31 | 21.50 | 22.08 | 24.81 | <=30 | Pass |
|                                                                                                                                                                            |         | Outer_Full      | 19.24 | 20.11 | 22.71 | 21.74 | 22.61 | 25.21 | <=30 | Pass |
|                                                                                                                                                                            |         | Inner_Full      | 20.26 | 21.15 | 23.74 | 22.76 | 23.65 | 26.24 | <=30 | Pass |
|                                                                                                                                                                            |         | Inner_1RB_Left  | 20.19 | 21.20 | 23.74 | 22.69 | 23.70 | 26.23 | <=30 | Pass |
|                                                                                                                                                                            |         | Inner_1RB_Right | 20.52 | 21.19 | 23.88 | 23.02 | 23.69 | 26.38 | <=30 | Pass |
| CP-OFDM 64 QAM                                                                                                                                                             | 3710.01 | Edge_1RB_Left   | 18.16 | 19.29 | 21.77 | 20.66 | 21.79 | 24.27 | <=30 | Pass |
|                                                                                                                                                                            |         | Edge_1RB_Right  | 18.55 | 19.28 | 21.94 | 21.05 | 21.78 | 24.44 | <=30 | Pass |
|                                                                                                                                                                            |         | Outer_Full      | 18.16 | 19.34 | 21.80 | 20.66 | 21.84 | 24.30 | <=30 | Pass |
|                                                                                                                                                                            |         | Inner_Full      | 18.08 | 19.24 | 21.71 | 20.58 | 21.74 | 24.21 | <=30 | Pass |
|                                                                                                                                                                            |         | Inner_1RB_Left  | 18.20 | 19.31 | 21.80 | 20.70 | 21.81 | 24.30 | <=30 | Pass |
|                                                                                                                                                                            |         | Inner_1RB_Right | 18.55 | 19.37 | 21.99 | 21.05 | 21.87 | 24.49 | <=30 | Pass |
|                                                                                                                                                                            | 3840    | Edge_1RB_Left   | 19.31 | 19.30 | 22.31 | 21.81 | 21.80 | 24.82 | <=30 | Pass |
|                                                                                                                                                                            |         | Edge_1RB_Right  | 18.99 | 19.34 | 22.18 | 21.49 | 21.84 | 24.68 | <=30 | Pass |
|                                                                                                                                                                            |         | Outer_Full      | 19.24 | 19.45 | 22.36 | 21.74 | 21.95 | 24.86 | <=30 | Pass |
|                                                                                                                                                                            |         | Inner_Full      | 19.10 | 19.44 | 22.28 | 21.60 | 21.94 | 24.78 | <=30 | Pass |
|                                                                                                                                                                            |         | Inner_1RB_Left  | 19.34 | 19.41 | 22.38 | 21.84 | 21.91 | 24.89 | <=30 | Pass |
|                                                                                                                                                                            |         | Inner_1RB_Right | 18.99 | 19.32 | 22.17 | 21.49 | 21.82 | 24.67 | <=30 | Pass |
|                                                                                                                                                                            | 3969.99 | Edge_1RB_Left   | 18.58 | 19.55 | 22.10 | 21.08 | 22.05 | 24.60 | <=30 | Pass |
|                                                                                                                                                                            |         | Edge_1RB_Right  | 19.04 | 19.53 | 22.31 | 21.54 | 22.03 | 24.80 | <=30 | Pass |
|                                                                                                                                                                            |         | Outer_Full      | 18.76 | 19.57 | 22.19 | 21.26 | 22.07 | 24.69 | <=30 | Pass |
|                                                                                                                                                                            |         | Inner_Full      | 18.71 | 19.54 | 22.16 | 21.21 | 22.04 | 24.66 | <=30 | Pass |
|                                                                                                                                                                            |         | Inner_1RB_Left  | 18.58 | 19.56 | 22.11 | 21.08 | 22.06 | 24.61 | <=30 | Pass |
|                                                                                                                                                                            |         | Inner_1RB_Right | 19.02 | 19.54 | 22.30 | 21.52 | 22.04 | 24.80 | <=30 | Pass |
| CP-OFDM 256 QAM                                                                                                                                                            | 3710.01 | Edge_1RB_Left   | 15.44 | 16.31 | 18.91 | 17.94 | 18.81 | 21.41 | <=30 | Pass |
|                                                                                                                                                                            |         | Edge_1RB_Right  | 15.59 | 16.25 | 18.94 | 18.09 | 18.75 | 21.44 | <=30 | Pass |
|                                                                                                                                                                            |         | Outer_Full      | 15.23 | 16.38 | 18.86 | 17.73 | 18.88 | 21.35 | <=30 | Pass |
|                                                                                                                                                                            |         | Inner_Full      | 15.05 | 16.39 | 18.78 | 17.55 | 18.89 | 21.28 | <=30 | Pass |
|                                                                                                                                                                            |         | Inner_1RB_Left  | 15.34 | 16.30 | 18.86 | 17.84 | 18.80 | 21.36 | <=30 | Pass |
|                                                                                                                                                                            |         | Inner_1RB_Right | 15.68 | 16.39 | 19.06 | 18.18 | 18.89 | 21.56 | <=30 | Pass |
|                                                                                                                                                                            | 3840    | Edge_1RB_Left   | 16.43 | 16.39 | 19.42 | 18.93 | 18.89 | 21.92 | <=30 | Pass |
|                                                                                                                                                                            |         | Edge_1RB_Right  | 16.08 | 16.40 | 19.25 | 18.58 | 18.90 | 21.75 | <=30 | Pass |
|                                                                                                                                                                            |         | Outer_Full      | 16.28 | 16.54 | 19.43 | 18.78 | 19.04 | 21.92 | <=30 | Pass |
|                                                                                                                                                                            |         | Inner_Full      | 16.21 | 16.56 | 19.40 | 18.71 | 19.06 | 21.90 | <=30 | Pass |
|                                                                                                                                                                            |         | Inner_1RB_Left  | 16.43 | 16.47 | 19.46 | 18.93 | 18.97 | 21.96 | <=30 | Pass |
|                                                                                                                                                                            |         | Inner_1RB_Right | 16.19 | 16.56 | 19.39 | 18.69 | 19.06 | 21.89 | <=30 | Pass |
|                                                                                                                                                                            | 3969.99 | Edge_1RB_Left   | 15.77 | 16.57 | 19.20 | 18.27 | 19.07 | 21.70 | <=30 | Pass |
|                                                                                                                                                                            |         | Edge_1RB_Right  | 16.10 | 16.41 | 19.27 | 18.60 | 18.91 | 21.77 | <=30 | Pass |
|                                                                                                                                                                            |         | Outer_Full      | 15.84 | 16.60 | 19.25 | 18.34 | 19.10 | 21.75 | <=30 | Pass |
|                                                                                                                                                                            |         | Inner_Full      | 15.70 | 16.65 | 19.21 | 18.20 | 19.15 | 21.71 | <=30 | Pass |
|                                                                                                                                                                            |         | Inner_1RB_Left  | 15.78 | 16.53 | 19.18 | 18.28 | 19.03 | 21.68 | <=30 | Pass |
|                                                                                                                                                                            |         | Inner_1RB_Right | 16.11 | 16.59 | 19.37 | 18.61 | 19.09 | 21.87 | <=30 | Pass |
| Note1: Antenna Gain: Ant2: 2.50dBi; Ant0: 2.50dBi;<br>Note2: EIRP Ant_1=Conducted Power_1+Ant Gain_1 / EIRP Ant_2=Conducted Power_2+Ant Gain_2 / Sum=EIRP Ant_1+EIRP Ant_2 |         |                 |       |       |       |       |       |       |      |      |

### 1.1.8 30k\_MIMO\_30MHz\_NTNV\_EIRP

| 5G NR n77a SCS=30kHz MIMO 30MHz NTNv |                 |                |                      |       |       |           |       |       |       |         |
|--------------------------------------|-----------------|----------------|----------------------|-------|-------|-----------|-------|-------|-------|---------|
| Modulation                           | Frequency (MHz) | RB Allocation  | Conducted Power(dBm) |       |       | EIRP(dBm) |       |       | Limit | Verdict |
|                                      |                 |                | Ant2                 | Ant0  | Sum   | Ant2      | Ant0  | Sum   |       |         |
| CP-OFDM QPSK                         | 3715.02         | Edge_1RB_Left  | 18.12                | 19.48 | 21.86 | 20.62     | 21.98 | 24.36 | <=30  | Pass    |
|                                      |                 | Edge_1RB_Right | 19.02                | 19.44 | 22.25 | 21.52     | 21.94 | 24.75 | <=30  | Pass    |
|                                      |                 | Outer_Full     | 18.81                | 19.84 | 22.36 | 21.31     | 22.34 | 24.87 | <=30  | Pass    |
|                                      |                 | Inner_Full     | 20.26                | 21.29 | 23.81 | 22.76     | 23.79 | 26.32 | <=30  | Pass    |

|                 |         |                 |       |       |       |       |       |       |      |      |
|-----------------|---------|-----------------|-------|-------|-------|-------|-------|-------|------|------|
|                 |         | Inner 1RB Left  | 20.21 | 21.36 | 23.83 | 22.71 | 23.86 | 26.33 | <=30 | Pass |
|                 |         | Inner 1RB Right | 21.25 | 21.50 | 24.39 | 23.75 | 24.00 | 26.89 | <=30 | Pass |
|                 | 3840    | Edge 1RB Left   | 19.29 | 19.58 | 22.45 | 21.79 | 22.08 | 24.95 | <=30 | Pass |
|                 |         | Edge 1RB Right  | 18.81 | 19.65 | 22.26 | 21.31 | 22.15 | 24.76 | <=30 | Pass |
|                 |         | Outer Full      | 19.62 | 20.05 | 22.85 | 22.12 | 22.55 | 25.35 | <=30 | Pass |
|                 |         | Inner Full      | 21.21 | 21.46 | 24.35 | 23.71 | 23.96 | 26.85 | <=30 | Pass |
|                 |         | Inner 1RB Left  | 21.27 | 21.58 | 24.44 | 23.77 | 24.08 | 26.94 | <=30 | Pass |
|                 |         | Inner 1RB Right | 20.95 | 21.54 | 24.27 | 23.45 | 24.04 | 26.77 | <=30 | Pass |
|                 | 3964.98 | Edge 1RB Left   | 18.95 | 19.82 | 22.42 | 21.45 | 22.32 | 24.92 | <=30 | Pass |
|                 |         | Edge 1RB Right  | 19.25 | 19.70 | 22.49 | 21.75 | 22.20 | 24.99 | <=30 | Pass |
|                 |         | Outer Full      | 19.27 | 20.11 | 22.72 | 21.77 | 22.61 | 25.22 | <=30 | Pass |
|                 |         | Inner Full      | 20.77 | 21.70 | 24.27 | 23.27 | 24.20 | 26.77 | <=30 | Pass |
|                 |         | Inner 1RB Left  | 21.06 | 21.74 | 24.42 | 23.56 | 24.24 | 26.92 | <=30 | Pass |
|                 |         | Inner 1RB Right | 21.26 | 21.90 | 24.60 | 23.76 | 24.40 | 27.10 | <=30 | Pass |
| CP-OFDM 16 QAM  | 3715.02 | Edge 1RB Left   | 18.22 | 19.35 | 21.83 | 20.72 | 21.85 | 24.33 | <=30 | Pass |
|                 |         | Edge 1RB Right  | 19.06 | 19.39 | 22.24 | 21.56 | 21.89 | 24.74 | <=30 | Pass |
|                 |         | Outer Full      | 18.86 | 19.84 | 22.39 | 21.36 | 22.34 | 24.89 | <=30 | Pass |
|                 |         | Inner Full      | 19.73 | 20.75 | 23.28 | 22.23 | 23.25 | 25.78 | <=30 | Pass |
|                 |         | Inner 1RB Left  | 19.61 | 20.83 | 23.28 | 22.11 | 23.33 | 25.77 | <=30 | Pass |
|                 |         | Inner 1RB Right | 20.41 | 20.96 | 23.70 | 22.91 | 23.46 | 26.20 | <=30 | Pass |
|                 | 3840    | Edge 1RB Left   | 19.21 | 19.53 | 22.39 | 21.71 | 22.03 | 24.88 | <=30 | Pass |
|                 |         | Edge 1RB Right  | 18.80 | 19.48 | 22.17 | 21.30 | 21.98 | 24.66 | <=30 | Pass |
|                 |         | Outer Full      | 19.69 | 19.97 | 22.84 | 22.19 | 22.47 | 25.34 | <=30 | Pass |
|                 |         | Inner Full      | 20.63 | 21.00 | 23.83 | 23.13 | 23.50 | 26.33 | <=30 | Pass |
|                 |         | Inner 1RB Left  | 20.64 | 21.05 | 23.86 | 23.14 | 23.55 | 26.36 | <=30 | Pass |
|                 |         | Inner 1RB Right | 20.43 | 21.02 | 23.75 | 22.93 | 23.52 | 26.25 | <=30 | Pass |
|                 | 3964.98 | Edge 1RB Left   | 18.78 | 19.82 | 22.34 | 21.28 | 22.32 | 24.84 | <=30 | Pass |
|                 |         | Edge 1RB Right  | 19.10 | 19.74 | 22.44 | 21.60 | 22.24 | 24.94 | <=30 | Pass |
|                 |         | Outer Full      | 19.27 | 20.14 | 22.74 | 21.77 | 22.64 | 25.24 | <=30 | Pass |
|                 |         | Inner Full      | 20.26 | 21.21 | 23.77 | 22.76 | 23.71 | 26.27 | <=30 | Pass |
|                 |         | Inner 1RB Left  | 20.22 | 21.35 | 23.83 | 22.72 | 23.85 | 26.33 | <=30 | Pass |
|                 |         | Inner 1RB Right | 20.44 | 21.24 | 23.87 | 22.94 | 23.74 | 26.37 | <=30 | Pass |
| CP-OFDM 64 QAM  | 3715.02 | Edge 1RB Left   | 18.21 | 19.24 | 21.77 | 20.71 | 21.74 | 24.27 | <=30 | Pass |
|                 |         | Edge 1RB Right  | 18.95 | 19.28 | 22.13 | 21.45 | 21.78 | 24.63 | <=30 | Pass |
|                 |         | Outer Full      | 18.41 | 19.29 | 21.88 | 20.91 | 21.79 | 24.38 | <=30 | Pass |
|                 |         | Inner Full      | 18.22 | 19.19 | 21.74 | 20.72 | 21.69 | 24.24 | <=30 | Pass |
|                 |         | Inner 1RB Left  | 18.12 | 19.23 | 21.72 | 20.62 | 21.73 | 24.22 | <=30 | Pass |
|                 |         | Inner 1RB Right | 18.88 | 19.36 | 22.14 | 21.38 | 21.86 | 24.64 | <=30 | Pass |
|                 | 3840    | Edge 1RB Left   | 19.20 | 19.28 | 22.25 | 21.70 | 21.78 | 24.75 | <=30 | Pass |
|                 |         | Edge 1RB Right  | 18.80 | 19.39 | 22.12 | 21.30 | 21.89 | 24.62 | <=30 | Pass |
|                 |         | Outer Full      | 19.21 | 19.50 | 22.37 | 21.71 | 22.00 | 24.87 | <=30 | Pass |
|                 |         | Inner Full      | 19.07 | 19.42 | 22.25 | 21.57 | 21.92 | 24.76 | <=30 | Pass |
|                 |         | Inner 1RB Left  | 19.21 | 19.31 | 22.27 | 21.71 | 21.81 | 24.77 | <=30 | Pass |
|                 |         | Inner 1RB Right | 18.77 | 19.38 | 22.10 | 21.27 | 21.88 | 24.60 | <=30 | Pass |
|                 | 3964.98 | Edge 1RB Left   | 18.81 | 19.58 | 22.22 | 21.31 | 22.08 | 24.72 | <=30 | Pass |
|                 |         | Edge 1RB Right  | 19.02 | 19.58 | 22.32 | 21.52 | 22.08 | 24.82 | <=30 | Pass |
|                 |         | Outer Full      | 18.85 | 19.63 | 22.27 | 21.35 | 22.13 | 24.77 | <=30 | Pass |
|                 |         | Inner Full      | 18.63 | 19.61 | 22.16 | 21.13 | 22.11 | 24.66 | <=30 | Pass |
|                 |         | Inner 1RB Left  | 18.79 | 19.58 | 22.22 | 21.29 | 22.08 | 24.71 | <=30 | Pass |
|                 |         | Inner 1RB Right | 19.04 | 19.49 | 22.28 | 21.54 | 21.99 | 24.78 | <=30 | Pass |
| CP-OFDM 256 QAM | 3715.02 | Edge 1RB Left   | 15.37 | 16.26 | 18.85 | 17.87 | 18.76 | 21.35 | <=30 | Pass |
|                 |         | Edge 1RB Right  | 16.14 | 16.29 | 19.22 | 18.64 | 18.79 | 21.73 | <=30 | Pass |
|                 |         | Outer Full      | 15.43 | 16.31 | 18.90 | 17.93 | 18.81 | 21.40 | <=30 | Pass |
|                 |         | Inner Full      | 15.33 | 16.26 | 18.83 | 17.83 | 18.76 | 21.33 | <=30 | Pass |
|                 |         | Inner 1RB Left  | 15.33 | 16.22 | 18.81 | 17.83 | 18.72 | 21.31 | <=30 | Pass |
|                 |         | Inner 1RB Right | 16.09 | 16.35 | 19.23 | 18.59 | 18.85 | 21.73 | <=30 | Pass |
|                 | 3840    | Edge 1RB Left   | 16.37 | 16.36 | 19.37 | 18.87 | 18.86 | 21.88 | <=30 | Pass |
|                 |         | Edge 1RB Right  | 15.98 | 16.34 | 19.17 | 18.48 | 18.84 | 21.67 | <=30 | Pass |
|                 |         | Outer Full      | 16.14 | 16.44 | 19.31 | 18.64 | 18.94 | 21.80 | <=30 | Pass |

|                                                                                                                                                                            |         |                 |       |       |       |       |       |       |      |      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-----------------|-------|-------|-------|-------|-------|-------|------|------|
|                                                                                                                                                                            |         | Inner Full      | 16.22 | 16.40 | 19.32 | 18.72 | 18.90 | 21.82 | <=30 | Pass |
|                                                                                                                                                                            |         | Inner_1RB_Left  | 16.39 | 16.19 | 19.30 | 18.89 | 18.69 | 21.80 | <=30 | Pass |
|                                                                                                                                                                            |         | Inner_1RB_Right | 15.94 | 16.52 | 19.25 | 18.44 | 19.02 | 21.75 | <=30 | Pass |
|                                                                                                                                                                            | 3964.98 | Edge_1RB_Left   | 15.91 | 16.59 | 19.27 | 18.41 | 19.09 | 21.77 | <=30 | Pass |
|                                                                                                                                                                            |         | Edge_1RB_Right  | 16.16 | 16.42 | 19.30 | 18.66 | 18.92 | 21.80 | <=30 | Pass |
|                                                                                                                                                                            |         | Outer_Full      | 15.82 | 16.72 | 19.30 | 18.32 | 19.22 | 21.80 | <=30 | Pass |
|                                                                                                                                                                            |         | Inner_Full      | 15.77 | 16.66 | 19.25 | 18.27 | 19.16 | 21.75 | <=30 | Pass |
|                                                                                                                                                                            |         | Inner_1RB_Left  | 15.94 | 16.57 | 19.28 | 18.44 | 19.07 | 21.78 | <=30 | Pass |
|                                                                                                                                                                            |         | Inner_1RB_Right | 16.17 | 16.50 | 19.35 | 18.67 | 19.00 | 21.85 | <=30 | Pass |
| Note1: Antenna Gain: Ant2: 2.50dBi; Ant0: 2.50dBi;<br>Note2: EIRP Ant_1=Conducted Power_1+Ant Gain_1 / EIRP Ant_2=Conducted Power_2+Ant Gain_2 / Sum=EIRP Ant_1+EIRP Ant_2 |         |                 |       |       |       |       |       |       |      |      |

### 1.1.9 30k\_MIMO\_40MHz\_NTNV\_EIRP

| 5G NR n77a SCS=30kHz MIMO 40MHz NTN |                 |                 |                      |       |       |           |       |       |       |         |
|-------------------------------------|-----------------|-----------------|----------------------|-------|-------|-----------|-------|-------|-------|---------|
| Modulation                          | Frequency (MHz) | RB Allocation   | Conducted Power(dBm) |       |       | EIRP(dBm) |       |       |       | Verdict |
|                                     |                 |                 | Ant2                 | Ant0  | Sum   | Ant2      | Ant0  | Sum   | Limit |         |
| CP-OFDM QPSK                        | 3720            | Edge_1RB_Left   | 18.44                | 19.66 | 22.10 | 20.94     | 22.16 | 24.60 | <=30  | Pass    |
|                                     |                 | Edge_1RB_Right  | 19.03                | 19.59 | 22.33 | 21.53     | 22.09 | 24.83 | <=30  | Pass    |
|                                     |                 | Outer_Full      | 19.11                | 19.97 | 22.57 | 21.61     | 22.47 | 25.07 | <=30  | Pass    |
|                                     |                 | Inner_Full      | 20.63                | 21.46 | 24.07 | 23.13     | 23.96 | 26.58 | <=30  | Pass    |
|                                     |                 | Inner_1RB_Left  | 20.46                | 21.52 | 24.03 | 22.96     | 24.02 | 26.53 | <=30  | Pass    |
|                                     |                 | Inner_1RB_Right | 21.13                | 21.60 | 24.38 | 23.63     | 24.10 | 26.88 | <=30  | Pass    |
|                                     | 3840            | Edge_1RB_Left   | 19.31                | 19.62 | 22.48 | 21.81     | 22.12 | 24.98 | <=30  | Pass    |
|                                     |                 | Edge_1RB_Right  | 18.84                | 19.55 | 22.22 | 21.34     | 22.05 | 24.72 | <=30  | Pass    |
|                                     |                 | Outer_Full      | 19.57                | 20.09 | 22.85 | 22.07     | 22.59 | 25.35 | <=30  | Pass    |
|                                     |                 | Inner_Full      | 21.16                | 21.43 | 24.31 | 23.66     | 23.93 | 26.81 | <=30  | Pass    |
|                                     |                 | Inner_1RB_Left  | 21.48                | 21.44 | 24.47 | 23.98     | 23.94 | 26.97 | <=30  | Pass    |
|                                     |                 | Inner_1RB_Right | 20.96                | 21.60 | 24.30 | 23.46     | 24.10 | 26.80 | <=30  | Pass    |
|                                     | 3960            | Edge_1RB_Left   | 18.96                | 19.64 | 22.33 | 21.46     | 22.14 | 24.82 | <=30  | Pass    |
|                                     |                 | Edge_1RB_Right  | 19.08                | 19.79 | 22.46 | 21.58     | 22.29 | 24.96 | <=30  | Pass    |
|                                     |                 | Outer_Full      | 19.27                | 20.15 | 22.74 | 21.77     | 22.65 | 25.24 | <=30  | Pass    |
|                                     |                 | Inner_Full      | 20.68                | 21.68 | 24.22 | 23.18     | 24.18 | 26.72 | <=30  | Pass    |
|                                     |                 | Inner_1RB_Left  | 21.02                | 21.75 | 24.41 | 23.52     | 24.25 | 26.91 | <=30  | Pass    |
|                                     |                 | Inner_1RB_Right | 21.13                | 21.77 | 24.47 | 23.63     | 24.27 | 26.97 | <=30  | Pass    |
| CP-OFDM 16 QAM                      | 3720            | Edge_1RB_Left   | 18.40                | 19.52 | 22.00 | 20.90     | 22.02 | 24.51 | <=30  | Pass    |
|                                     |                 | Edge_1RB_Right  | 18.98                | 19.63 | 22.33 | 21.48     | 22.13 | 24.83 | <=30  | Pass    |
|                                     |                 | Outer_Full      | 19.03                | 19.98 | 22.54 | 21.53     | 22.48 | 25.04 | <=30  | Pass    |
|                                     |                 | Inner_Full      | 20.11                | 21.02 | 23.60 | 22.61     | 23.52 | 26.10 | <=30  | Pass    |
|                                     |                 | Inner_1RB_Left  | 19.93                | 21.13 | 23.58 | 22.43     | 23.63 | 26.08 | <=30  | Pass    |
|                                     |                 | Inner_1RB_Right | 20.52                | 21.12 | 23.84 | 23.02     | 23.62 | 26.34 | <=30  | Pass    |
|                                     | 3840            | Edge_1RB_Left   | 19.25                | 19.53 | 22.41 | 21.75     | 22.03 | 24.90 | <=30  | Pass    |
|                                     |                 | Edge_1RB_Right  | 18.78                | 19.52 | 22.18 | 21.28     | 22.02 | 24.68 | <=30  | Pass    |
|                                     |                 | Outer_Full      | 19.60                | 19.90 | 22.76 | 22.10     | 22.40 | 25.26 | <=30  | Pass    |
|                                     |                 | Inner_Full      | 20.75                | 21.01 | 23.89 | 23.25     | 23.51 | 26.39 | <=30  | Pass    |
|                                     |                 | Inner_1RB_Left  | 20.66                | 21.05 | 23.87 | 23.16     | 23.55 | 26.37 | <=30  | Pass    |
|                                     |                 | Inner_1RB_Right | 20.39                | 21.06 | 23.75 | 22.89     | 23.56 | 26.25 | <=30  | Pass    |
|                                     | 3960            | Edge_1RB_Left   | 18.97                | 19.60 | 22.31 | 21.47     | 22.10 | 24.81 | <=30  | Pass    |
|                                     |                 | Edge_1RB_Right  | 19.05                | 19.66 | 22.37 | 21.55     | 22.16 | 24.88 | <=30  | Pass    |
|                                     |                 | Outer_Full      | 19.36                | 20.11 | 22.76 | 21.86     | 22.61 | 25.26 | <=30  | Pass    |
|                                     |                 | Inner_Full      | 20.15                | 21.13 | 23.68 | 22.65     | 23.63 | 26.18 | <=30  | Pass    |
|                                     |                 | Inner_1RB_Left  | 20.43                | 21.23 | 23.85 | 22.93     | 23.73 | 26.36 | <=30  | Pass    |
|                                     |                 | Inner_1RB_Right | 20.57                | 21.20 | 23.91 | 23.07     | 23.70 | 26.41 | <=30  | Pass    |
| CP-OFDM 64 QAM                      | 3720            | Edge_1RB_Left   | 18.53                | 19.55 | 22.08 | 21.03     | 22.05 | 24.58 | <=30  | Pass    |
|                                     |                 | Edge_1RB_Right  | 19.00                | 19.58 | 22.31 | 21.50     | 22.08 | 24.81 | <=30  | Pass    |
|                                     |                 | Outer_Full      | 18.56                | 19.53 | 22.08 | 21.06     | 22.03 | 24.58 | <=30  | Pass    |
|                                     |                 | Inner_Full      | 18.58                | 19.32 | 21.97 | 21.08     | 21.82 | 24.48 | <=30  | Pass    |

|                                                                                                                                                                            |      |                 |       |       |       |       |       |       |      |      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------------|-------|-------|-------|-------|-------|-------|------|------|
|                                                                                                                                                                            |      | Inner_1RB_Left  | 18.45 | 19.54 | 22.04 | 20.95 | 22.04 | 24.54 | <=30 | Pass |
|                                                                                                                                                                            |      | Inner_1RB_Right | 18.99 | 19.58 | 22.31 | 21.49 | 22.08 | 24.81 | <=30 | Pass |
|                                                                                                                                                                            | 3840 | Edge_1RB_Left   | 19.24 | 19.44 | 22.35 | 21.74 | 21.94 | 24.85 | <=30 | Pass |
|                                                                                                                                                                            |      | Edge_1RB_Right  | 18.83 | 19.46 | 22.17 | 21.33 | 21.96 | 24.67 | <=30 | Pass |
|                                                                                                                                                                            |      | Outer_Full      | 19.10 | 19.43 | 22.28 | 21.60 | 21.93 | 24.78 | <=30 | Pass |
|                                                                                                                                                                            |      | Inner_Full      | 19.07 | 19.46 | 22.28 | 21.57 | 21.96 | 24.78 | <=30 | Pass |
|                                                                                                                                                                            |      | Inner_1RB_Left  | 19.21 | 19.35 | 22.29 | 21.71 | 21.85 | 24.79 | <=30 | Pass |
|                                                                                                                                                                            |      | Inner_1RB_Right | 18.85 | 19.41 | 22.15 | 21.35 | 21.91 | 24.65 | <=30 | Pass |
|                                                                                                                                                                            | 3960 | Edge_1RB_Left   | 18.98 | 19.59 | 22.31 | 21.48 | 22.09 | 24.81 | <=30 | Pass |
|                                                                                                                                                                            |      | Edge_1RB_Right  | 19.12 | 19.59 | 22.37 | 21.62 | 22.09 | 24.87 | <=30 | Pass |
|                                                                                                                                                                            |      | Outer_Full      | 18.72 | 19.66 | 22.23 | 21.22 | 22.16 | 24.73 | <=30 | Pass |
|                                                                                                                                                                            |      | Inner_Full      | 18.66 | 19.59 | 22.16 | 21.16 | 22.09 | 24.66 | <=30 | Pass |
|                                                                                                                                                                            |      | Inner_1RB_Left  | 19.00 | 19.57 | 22.30 | 21.50 | 22.07 | 24.80 | <=30 | Pass |
|                                                                                                                                                                            |      | Inner_1RB_Right | 19.05 | 19.54 | 22.31 | 21.55 | 22.04 | 24.81 | <=30 | Pass |
| CP-OFDM 256<br>QAM                                                                                                                                                         | 3720 | Edge_1RB_Left   | 15.59 | 16.53 | 19.09 | 18.09 | 19.03 | 21.60 | <=30 | Pass |
|                                                                                                                                                                            |      | Edge_1RB_Right  | 16.12 | 16.49 | 19.32 | 18.62 | 18.99 | 21.82 | <=30 | Pass |
|                                                                                                                                                                            |      | Outer_Full      | 15.57 | 16.50 | 19.07 | 18.07 | 19.00 | 21.57 | <=30 | Pass |
|                                                                                                                                                                            |      | Inner_Full      | 15.65 | 16.46 | 19.08 | 18.15 | 18.96 | 21.58 | <=30 | Pass |
|                                                                                                                                                                            |      | Inner_1RB_Left  | 15.64 | 16.55 | 19.13 | 18.14 | 19.05 | 21.63 | <=30 | Pass |
|                                                                                                                                                                            |      | Inner_1RB_Right | 16.15 | 16.53 | 19.35 | 18.65 | 19.03 | 21.85 | <=30 | Pass |
|                                                                                                                                                                            | 3840 | Edge_1RB_Left   | 16.48 | 16.38 | 19.44 | 18.98 | 18.88 | 21.94 | <=30 | Pass |
|                                                                                                                                                                            |      | Edge_1RB_Right  | 16.00 | 16.47 | 19.25 | 18.50 | 18.97 | 21.75 | <=30 | Pass |
|                                                                                                                                                                            |      | Outer_Full      | 16.10 | 16.47 | 19.30 | 18.60 | 18.97 | 21.80 | <=30 | Pass |
|                                                                                                                                                                            |      | Inner_Full      | 16.19 | 16.47 | 19.35 | 18.69 | 18.97 | 21.84 | <=30 | Pass |
|                                                                                                                                                                            |      | Inner_1RB_Left  | 16.41 | 16.40 | 19.42 | 18.91 | 18.90 | 21.92 | <=30 | Pass |
|                                                                                                                                                                            |      | Inner_1RB_Right | 15.99 | 16.41 | 19.22 | 18.49 | 18.91 | 21.72 | <=30 | Pass |
|                                                                                                                                                                            | 3960 | Edge_1RB_Left   | 16.16 | 16.53 | 19.36 | 18.66 | 19.03 | 21.86 | <=30 | Pass |
|                                                                                                                                                                            |      | Edge_1RB_Right  | 16.20 | 16.52 | 19.38 | 18.70 | 19.02 | 21.87 | <=30 | Pass |
|                                                                                                                                                                            |      | Outer_Full      | 15.76 | 16.73 | 19.28 | 18.26 | 19.23 | 21.78 | <=30 | Pass |
|                                                                                                                                                                            |      | Inner_Full      | 15.65 | 16.63 | 19.18 | 18.15 | 19.13 | 21.68 | <=30 | Pass |
|                                                                                                                                                                            |      | Inner_1RB_Left  | 16.08 | 16.53 | 19.32 | 18.58 | 19.03 | 21.82 | <=30 | Pass |
|                                                                                                                                                                            |      | Inner_1RB_Right | 16.23 | 16.57 | 19.41 | 18.73 | 19.07 | 21.91 | <=30 | Pass |
| Note1: Antenna Gain: Ant2: 2.50dBi; Ant0: 2.50dBi;<br>Note2: EIRP Ant_1=Conducted Power_1+Ant Gain_1 / EIRP Ant_2=Conducted Power_2+Ant Gain_2 / Sum=EIRP Ant_1+EIRP Ant_2 |      |                 |       |       |       |       |       |       |      |      |

### 1.1.10 30k\_MIMO\_60MHz\_NTNV\_EIRP

| 5G NR n77a SCS=30kHz MIMO 60MHz NTN |                 |                 |                      |       |       |           |       |       |       |         |
|-------------------------------------|-----------------|-----------------|----------------------|-------|-------|-----------|-------|-------|-------|---------|
| Modulation                          | Frequency (MHz) | RB Allocation   | Conducted Power(dBm) |       |       | EIRP(dBm) |       |       |       | Verdict |
|                                     |                 |                 | Ant2                 | Ant0  | Sum   | Ant2      | Ant0  | Sum   | Limit |         |
| CP-OFDM QPSK                        | 3730.02         | Edge 1RB Left   | 18.13                | 19.12 | 21.67 | 20.63     | 21.62 | 24.16 | <=30  | Pass    |
|                                     |                 | Edge 1RB Right  | 18.01                | 19.20 | 21.66 | 20.51     | 21.70 | 24.16 | <=30  | Pass    |
|                                     |                 | Outer Full      | 18.80                | 19.79 | 22.33 | 21.30     | 22.29 | 24.83 | <=30  | Pass    |
|                                     |                 | Inner Full      | 20.59                | 21.14 | 23.88 | 23.09     | 23.64 | 26.38 | <=30  | Pass    |
|                                     |                 | Inner 1RB Left  | 20.24                | 21.11 | 23.71 | 22.74     | 23.61 | 26.21 | <=30  | Pass    |
|                                     |                 | Inner 1RB Right | 20.18                | 21.17 | 23.71 | 22.68     | 23.67 | 26.21 | <=30  | Pass    |
|                                     | 3840            | Edge 1RB Left   | 18.82                | 19.38 | 22.12 | 21.32     | 21.88 | 24.62 | <=30  | Pass    |
|                                     |                 | Edge 1RB Right  | 18.35                | 19.37 | 21.90 | 20.85     | 21.87 | 24.40 | <=30  | Pass    |
|                                     |                 | Outer Full      | 19.29                | 19.82 | 22.57 | 21.79     | 22.32 | 25.07 | <=30  | Pass    |
|                                     |                 | Inner Full      | 20.95                | 21.23 | 24.10 | 23.45     | 23.73 | 26.60 | <=30  | Pass    |
|                                     |                 | Inner 1RB Left  | 21.01                | 21.26 | 24.15 | 23.51     | 23.76 | 26.65 | <=30  | Pass    |
|                                     |                 | Inner 1RB Right | 20.42                | 21.27 | 23.88 | 22.92     | 23.77 | 26.38 | <=30  | Pass    |
|                                     | 3949.98         | Edge 1RB Left   | 18.91                | 19.45 | 22.20 | 21.41     | 21.95 | 24.70 | <=30  | Pass    |
|                                     |                 | Edge 1RB Right  | 18.71                | 19.33 | 22.04 | 21.21     | 21.83 | 24.54 | <=30  | Pass    |
|                                     |                 | Outer Full      | 19.01                | 19.93 | 22.50 | 21.51     | 22.43 | 25.00 | <=30  | Pass    |
|                                     |                 | Inner Full      | 20.48                | 21.37 | 23.96 | 22.98     | 23.87 | 26.46 | <=30  | Pass    |
|                                     |                 | Inner 1RB Left  | 20.94                | 21.31 | 24.14 | 23.44     | 23.81 | 26.64 | <=30  | Pass    |

|                                                                                                                                                                            |         |                 |       |       |       |       |       |       |      |      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-----------------|-------|-------|-------|-------|-------|-------|------|------|
|                                                                                                                                                                            |         | Inner 1RB Right | 20.71 | 21.52 | 24.15 | 23.21 | 24.02 | 26.64 | <=30 | Pass |
| CP-OFDM 16 QAM                                                                                                                                                             | 3730.02 | Edge 1RB Left   | 18.01 | 19.12 | 21.61 | 20.51 | 21.62 | 24.11 | <=30 | Pass |
|                                                                                                                                                                            |         | Edge 1RB Right  | 17.97 | 19.17 | 21.62 | 20.47 | 21.67 | 24.12 | <=30 | Pass |
|                                                                                                                                                                            |         | Outer Full      | 18.87 | 19.64 | 22.29 | 21.37 | 22.14 | 24.78 | <=30 | Pass |
|                                                                                                                                                                            |         | Inner Full      | 20.07 | 20.64 | 23.38 | 22.57 | 23.14 | 25.87 | <=30 | Pass |
|                                                                                                                                                                            |         | Inner 1RB Left  | 19.49 | 20.77 | 23.19 | 21.99 | 23.27 | 25.69 | <=30 | Pass |
|                                                                                                                                                                            |         | Inner 1RB Right | 19.58 | 20.88 | 23.29 | 22.08 | 23.38 | 25.79 | <=30 | Pass |
|                                                                                                                                                                            | 3840    | Edge 1RB Left   | 18.69 | 19.16 | 21.94 | 21.19 | 21.66 | 24.44 | <=30 | Pass |
|                                                                                                                                                                            |         | Edge 1RB Right  | 18.21 | 19.34 | 21.82 | 20.71 | 21.84 | 24.32 | <=30 | Pass |
|                                                                                                                                                                            |         | Outer Full      | 19.41 | 19.77 | 22.60 | 21.91 | 22.27 | 25.10 | <=30 | Pass |
|                                                                                                                                                                            |         | Inner Full      | 20.49 | 20.75 | 23.63 | 22.99 | 23.25 | 26.13 | <=30 | Pass |
|                                                                                                                                                                            |         | Inner 1RB Left  | 20.27 | 20.82 | 23.56 | 22.77 | 23.32 | 26.06 | <=30 | Pass |
|                                                                                                                                                                            |         | Inner 1RB Right | 19.82 | 20.83 | 23.37 | 22.32 | 23.33 | 25.86 | <=30 | Pass |
|                                                                                                                                                                            | 3949.98 | Edge 1RB Left   | 18.78 | 19.38 | 22.10 | 21.28 | 21.88 | 24.60 | <=30 | Pass |
|                                                                                                                                                                            |         | Edge 1RB Right  | 18.64 | 19.29 | 21.99 | 21.14 | 21.79 | 24.49 | <=30 | Pass |
|                                                                                                                                                                            |         | Outer Full      | 19.02 | 19.87 | 22.48 | 21.52 | 22.37 | 24.98 | <=30 | Pass |
|                                                                                                                                                                            |         | Inner Full      | 20.03 | 20.87 | 23.48 | 22.53 | 23.37 | 25.98 | <=30 | Pass |
|                                                                                                                                                                            |         | Inner 1RB Left  | 20.31 | 20.98 | 23.67 | 22.81 | 23.48 | 26.17 | <=30 | Pass |
|                                                                                                                                                                            |         | Inner 1RB Right | 20.18 | 20.88 | 23.56 | 22.68 | 23.38 | 26.05 | <=30 | Pass |
| CP-OFDM 64 QAM                                                                                                                                                             | 3730.02 | Edge 1RB Left   | 18.09 | 19.11 | 21.64 | 20.59 | 21.61 | 24.14 | <=30 | Pass |
|                                                                                                                                                                            |         | Edge 1RB Right  | 17.96 | 19.15 | 21.61 | 20.46 | 21.65 | 24.11 | <=30 | Pass |
|                                                                                                                                                                            |         | Outer Full      | 18.32 | 19.15 | 21.77 | 20.82 | 21.65 | 24.27 | <=30 | Pass |
|                                                                                                                                                                            |         | Inner Full      | 18.61 | 19.18 | 21.92 | 21.11 | 21.68 | 24.41 | <=30 | Pass |
|                                                                                                                                                                            |         | Inner 1RB Left  | 18.09 | 19.11 | 21.64 | 20.59 | 21.61 | 24.14 | <=30 | Pass |
|                                                                                                                                                                            |         | Inner 1RB Right | 18.04 | 19.18 | 21.66 | 20.54 | 21.68 | 24.16 | <=30 | Pass |
|                                                                                                                                                                            | 3840    | Edge 1RB Left   | 18.82 | 19.21 | 22.03 | 21.32 | 21.71 | 24.53 | <=30 | Pass |
|                                                                                                                                                                            |         | Edge 1RB Right  | 18.25 | 19.20 | 21.76 | 20.75 | 21.70 | 24.26 | <=30 | Pass |
|                                                                                                                                                                            |         | Outer Full      | 18.86 | 19.21 | 22.05 | 21.36 | 21.71 | 24.55 | <=30 | Pass |
|                                                                                                                                                                            |         | Inner Full      | 18.98 | 19.29 | 22.15 | 21.48 | 21.79 | 24.65 | <=30 | Pass |
|                                                                                                                                                                            |         | Inner 1RB Left  | 18.83 | 19.16 | 22.01 | 21.33 | 21.66 | 24.51 | <=30 | Pass |
|                                                                                                                                                                            |         | Inner 1RB Right | 18.25 | 19.13 | 21.72 | 20.75 | 21.63 | 24.22 | <=30 | Pass |
|                                                                                                                                                                            | 3949.98 | Edge 1RB Left   | 18.90 | 19.36 | 22.15 | 21.40 | 21.86 | 24.65 | <=30 | Pass |
|                                                                                                                                                                            |         | Edge 1RB Right  | 18.66 | 19.41 | 22.06 | 21.16 | 21.91 | 24.56 | <=30 | Pass |
|                                                                                                                                                                            |         | Outer Full      | 18.55 | 19.33 | 21.97 | 21.05 | 21.83 | 24.47 | <=30 | Pass |
|                                                                                                                                                                            |         | Inner Full      | 18.52 | 19.38 | 21.98 | 21.02 | 21.88 | 24.48 | <=30 | Pass |
|                                                                                                                                                                            |         | Inner 1RB Left  | 18.96 | 19.35 | 22.17 | 21.46 | 21.85 | 24.67 | <=30 | Pass |
|                                                                                                                                                                            |         | Inner 1RB Right | 18.72 | 19.38 | 22.07 | 21.22 | 21.88 | 24.57 | <=30 | Pass |
| CP-OFDM 256 QAM                                                                                                                                                            | 3730.02 | Edge 1RB Left   | 15.23 | 16.12 | 18.71 | 17.73 | 18.62 | 21.21 | <=30 | Pass |
|                                                                                                                                                                            |         | Edge 1RB Right  | 15.09 | 16.11 | 18.64 | 17.59 | 18.61 | 21.14 | <=30 | Pass |
|                                                                                                                                                                            |         | Outer Full      | 15.40 | 16.16 | 18.81 | 17.90 | 18.66 | 21.31 | <=30 | Pass |
|                                                                                                                                                                            |         | Inner Full      | 15.57 | 16.14 | 18.87 | 18.07 | 18.64 | 21.37 | <=30 | Pass |
|                                                                                                                                                                            |         | Inner 1RB Left  | 15.16 | 16.08 | 18.65 | 17.66 | 18.58 | 21.15 | <=30 | Pass |
|                                                                                                                                                                            |         | Inner 1RB Right | 15.06 | 16.25 | 18.71 | 17.56 | 18.75 | 21.21 | <=30 | Pass |
|                                                                                                                                                                            | 3840    | Edge 1RB Left   | 16.00 | 16.18 | 19.10 | 18.50 | 18.68 | 21.60 | <=30 | Pass |
|                                                                                                                                                                            |         | Edge 1RB Right  | 15.42 | 16.08 | 18.77 | 17.92 | 18.58 | 21.27 | <=30 | Pass |
|                                                                                                                                                                            |         | Outer Full      | 15.88 | 16.29 | 19.10 | 18.38 | 18.79 | 21.60 | <=30 | Pass |
|                                                                                                                                                                            |         | Inner Full      | 16.02 | 16.25 | 19.15 | 18.52 | 18.75 | 21.65 | <=30 | Pass |
|                                                                                                                                                                            |         | Inner 1RB Left  | 16.05 | 16.15 | 19.11 | 18.55 | 18.65 | 21.61 | <=30 | Pass |
|                                                                                                                                                                            |         | Inner 1RB Right | 15.49 | 16.13 | 18.83 | 17.99 | 18.63 | 21.33 | <=30 | Pass |
|                                                                                                                                                                            | 3949.98 | Edge 1RB Left   | 16.07 | 16.43 | 19.26 | 18.57 | 18.93 | 21.76 | <=30 | Pass |
|                                                                                                                                                                            |         | Edge 1RB Right  | 15.76 | 16.25 | 19.02 | 18.26 | 18.75 | 21.52 | <=30 | Pass |
|                                                                                                                                                                            |         | Outer Full      | 15.58 | 16.36 | 19.00 | 18.08 | 18.86 | 21.50 | <=30 | Pass |
|                                                                                                                                                                            |         | Inner Full      | 15.48 | 16.33 | 18.94 | 17.98 | 18.83 | 21.44 | <=30 | Pass |
|                                                                                                                                                                            |         | Inner 1RB Left  | 15.93 | 16.28 | 19.12 | 18.43 | 18.78 | 21.62 | <=30 | Pass |
|                                                                                                                                                                            |         | Inner 1RB Right | 15.75 | 16.43 | 19.12 | 18.25 | 18.93 | 21.61 | <=30 | Pass |
| Note1: Antenna Gain: Ant2: 2.50dBi; Ant0: 2.50dBi;<br>Note2: EIRP Ant_1=Conducted Power_1+Ant Gain_1 / EIRP Ant_2=Conducted Power_2+Ant Gain_2 / Sum=EIRP Ant_1+EIRP Ant_2 |         |                 |       |       |       |       |       |       |      |      |

### 1.1.11 30k\_MIMO\_80MHz\_NTNV\_EIRP

| 5G NR n77a SCS=30kHz MIMO 80MHz NTN |                 |                 |                      |       |       |           |       |       |       |         |
|-------------------------------------|-----------------|-----------------|----------------------|-------|-------|-----------|-------|-------|-------|---------|
| Modulation                          | Frequency (MHz) | RB Allocation   | Conducted Power(dBm) |       |       | EIRP(dBm) |       |       |       | Verdict |
|                                     |                 |                 | Ant2                 | Ant0  | Sum   | Ant2      | Ant0  | Sum   | Limit |         |
| CP-OFDM QPSK                        | 3740.01         | Edge_1RB_Left   | 17.95                | 19.15 | 21.60 | 20.45     | 21.65 | 24.10 | <=30  | Pass    |
|                                     |                 | Edge_1RB_Right  | 18.12                | 19.20 | 21.70 | 20.62     | 21.70 | 24.20 | <=30  | Pass    |
|                                     |                 | Outer_Full      | 18.61                | 19.64 | 22.17 | 21.11     | 22.14 | 24.67 | <=30  | Pass    |
|                                     |                 | Inner_Full      | 20.38                | 21.21 | 23.83 | 22.88     | 23.71 | 26.33 | <=30  | Pass    |
|                                     |                 | Inner_1RB_Left  | 19.99                | 21.02 | 23.54 | 22.49     | 23.52 | 26.05 | <=30  | Pass    |
|                                     |                 | Inner_1RB_Right | 20.24                | 21.12 | 23.71 | 22.74     | 23.62 | 26.21 | <=30  | Pass    |
|                                     | 3840            | Edge_1RB_Left   | 18.76                | 19.19 | 21.99 | 21.26     | 21.69 | 24.49 | <=30  | Pass    |
|                                     |                 | Edge_1RB_Right  | 17.79                | 19.25 | 21.59 | 20.29     | 21.75 | 24.09 | <=30  | Pass    |
|                                     |                 | Outer_Full      | 19.08                | 19.60 | 22.36 | 21.58     | 22.10 | 24.86 | <=30  | Pass    |
|                                     |                 | Inner_Full      | 20.81                | 21.17 | 24.00 | 23.31     | 23.67 | 26.50 | <=30  | Pass    |
|                                     |                 | Inner_1RB_Left  | 20.70                | 21.08 | 23.91 | 23.20     | 23.58 | 26.40 | <=30  | Pass    |
|                                     |                 | Inner_1RB_Right | 19.71                | 21.19 | 23.52 | 22.21     | 23.69 | 26.02 | <=30  | Pass    |
|                                     | 3939.99         | Edge_1RB_Left   | 18.58                | 19.37 | 22.00 | 21.08     | 21.87 | 24.50 | <=30  | Pass    |
|                                     |                 | Edge_1RB_Right  | 18.49                | 19.37 | 21.96 | 20.99     | 21.87 | 24.46 | <=30  | Pass    |
|                                     |                 | Outer_Full      | 19.04                | 19.79 | 22.44 | 21.54     | 22.29 | 24.94 | <=30  | Pass    |
|                                     |                 | Inner_Full      | 20.45                | 21.31 | 23.91 | 22.95     | 23.81 | 26.41 | <=30  | Pass    |
|                                     |                 | Inner_1RB_Left  | 20.55                | 21.48 | 24.05 | 23.05     | 23.98 | 26.55 | <=30  | Pass    |
|                                     |                 | Inner_1RB_Right | 20.49                | 21.29 | 23.92 | 22.99     | 23.79 | 26.42 | <=30  | Pass    |
| CP-OFDM 16 QAM                      | 3740.01         | Edge_1RB_Left   | 17.91                | 19.01 | 21.51 | 20.41     | 21.51 | 24.01 | <=30  | Pass    |
|                                     |                 | Edge_1RB_Right  | 18.06                | 19.22 | 21.69 | 20.56     | 21.72 | 24.19 | <=30  | Pass    |
|                                     |                 | Outer_Full      | 18.67                | 19.70 | 22.22 | 21.17     | 22.20 | 24.73 | <=30  | Pass    |
|                                     |                 | Inner_Full      | 19.98                | 20.74 | 23.39 | 22.48     | 23.24 | 25.89 | <=30  | Pass    |
|                                     |                 | Inner_1RB_Left  | 19.39                | 20.58 | 23.04 | 21.89     | 23.08 | 25.54 | <=30  | Pass    |
|                                     |                 | Inner_1RB_Right | 19.62                | 20.71 | 23.21 | 22.12     | 23.21 | 25.71 | <=30  | Pass    |
|                                     | 3840            | Edge_1RB_Left   | 18.68                | 19.32 | 22.02 | 21.18     | 21.82 | 24.52 | <=30  | Pass    |
|                                     |                 | Edge_1RB_Right  | 17.66                | 19.28 | 21.56 | 20.16     | 21.78 | 24.06 | <=30  | Pass    |
|                                     |                 | Outer_Full      | 19.10                | 19.60 | 22.36 | 21.60     | 22.10 | 24.87 | <=30  | Pass    |
|                                     |                 | Inner_Full      | 20.23                | 20.64 | 23.45 | 22.73     | 23.14 | 25.95 | <=30  | Pass    |
|                                     |                 | Inner_1RB_Left  | 20.06                | 20.75 | 23.43 | 22.56     | 23.25 | 25.93 | <=30  | Pass    |
|                                     |                 | Inner_1RB_Right | 19.24                | 20.54 | 22.95 | 21.74     | 23.04 | 25.45 | <=30  | Pass    |
|                                     | 3939.99         | Edge_1RB_Left   | 18.59                | 19.29 | 21.97 | 21.09     | 21.79 | 24.46 | <=30  | Pass    |
|                                     |                 | Edge_1RB_Right  | 18.47                | 19.51 | 22.03 | 20.97     | 22.01 | 24.53 | <=30  | Pass    |
|                                     |                 | Outer_Full      | 18.97                | 19.80 | 22.42 | 21.47     | 22.30 | 24.92 | <=30  | Pass    |
|                                     |                 | Inner_Full      | 19.97                | 20.79 | 23.41 | 22.47     | 23.29 | 25.91 | <=30  | Pass    |
|                                     |                 | Inner_1RB_Left  | 20.23                | 20.91 | 23.59 | 22.73     | 23.41 | 26.09 | <=30  | Pass    |
|                                     |                 | Inner_1RB_Right | 20.07                | 20.82 | 23.48 | 22.57     | 23.32 | 25.97 | <=30  | Pass    |
| CP-OFDM 64 QAM                      | 3740.01         | Edge_1RB_Left   | 17.93                | 19.07 | 21.55 | 20.43     | 21.57 | 24.05 | <=30  | Pass    |
|                                     |                 | Edge_1RB_Right  | 18.06                | 19.17 | 21.66 | 20.56     | 21.67 | 24.16 | <=30  | Pass    |
|                                     |                 | Outer_Full      | 18.20                | 19.19 | 21.73 | 20.70     | 21.69 | 24.23 | <=30  | Pass    |
|                                     |                 | Inner_Full      | 18.45                | 19.22 | 21.87 | 20.95     | 21.72 | 24.36 | <=30  | Pass    |
|                                     |                 | Inner_1RB_Left  | 17.96                | 19.04 | 21.54 | 20.46     | 21.54 | 24.04 | <=30  | Pass    |
|                                     |                 | Inner_1RB_Right | 18.13                | 19.16 | 21.68 | 20.63     | 21.66 | 24.19 | <=30  | Pass    |
|                                     | 3840            | Edge_1RB_Left   | 18.76                | 19.13 | 21.95 | 21.26     | 21.63 | 24.46 | <=30  | Pass    |
|                                     |                 | Edge_1RB_Right  | 17.72                | 18.98 | 21.40 | 20.22     | 21.48 | 23.91 | <=30  | Pass    |
|                                     |                 | Outer_Full      | 18.64                | 19.17 | 21.93 | 21.14     | 21.67 | 24.42 | <=30  | Pass    |
|                                     |                 | Inner_Full      | 18.79                | 19.18 | 22.00 | 21.29     | 21.68 | 24.50 | <=30  | Pass    |
|                                     |                 | Inner_1RB_Left  | 18.78                | 19.03 | 21.92 | 21.28     | 21.53 | 24.42 | <=30  | Pass    |
|                                     |                 | Inner_1RB_Right | 17.74                | 18.99 | 21.42 | 20.24     | 21.49 | 23.92 | <=30  | Pass    |
|                                     | 3939.99         | Edge_1RB_Left   | 18.63                | 19.35 | 22.01 | 21.13     | 21.85 | 24.52 | <=30  | Pass    |
|                                     |                 | Edge_1RB_Right  | 18.60                | 19.26 | 21.95 | 21.10     | 21.76 | 24.45 | <=30  | Pass    |
|                                     |                 | Outer_Full      | 18.56                | 19.36 | 21.99 | 21.06     | 21.86 | 24.49 | <=30  | Pass    |
|                                     |                 | Inner_Full      | 18.54                | 19.32 | 21.96 | 21.04     | 21.82 | 24.46 | <=30  | Pass    |
|                                     |                 | Inner_1RB_Left  | 18.62                | 19.31 | 21.99 | 21.12     | 21.81 | 24.49 | <=30  | Pass    |
|                                     |                 | Inner_1RB_Right | 18.61                | 19.22 | 21.94 | 21.11     | 21.72 | 24.44 | <=30  | Pass    |