

# 1. Effective (Isotropic) Radiated Power Output Data

## 1.1 30k\_SISO\_20MHz\_NTNV\_EIRP

### 1.1.1 Test Result

| 5G NR n78a SCS=30kHz SISO 20MHz NTN |                 |                 |                      |      |     |           |      |     |       |         |
|-------------------------------------|-----------------|-----------------|----------------------|------|-----|-----------|------|-----|-------|---------|
| Modulation                          | Frequency (MHz) | RB Allocation   | Conducted Power(dBm) |      |     | EIRP(dBm) |      |     |       | Verdict |
|                                     |                 |                 | Ant1                 | Ant2 | Sum | Ant1      | Ant2 | Sum | Limit |         |
| DFT-s-OFDM QPSK                     | 3710.01         | Edge_1RB_Left   | 21.84                | /    | /   | 25.66     | /    | /   | <=30  | Pass    |
|                                     |                 | Edge_1RB_Right  | 21.79                | /    | /   | 25.61     | /    | /   | <=30  | Pass    |
|                                     |                 | Outer_Full      | 21.84                | /    | /   | 25.66     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_Full      | 22.84                | /    | /   | 26.66     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_1RB_Left  | 22.88                | /    | /   | 26.70     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_1RB_Right | 22.77                | /    | /   | 26.59     | /    | /   | <=30  | Pass    |
|                                     | 3750            | Edge_1RB_Left   | 21.83                | /    | /   | 25.65     | /    | /   | <=30  | Pass    |
|                                     |                 | Edge_1RB_Right  | 21.67                | /    | /   | 25.49     | /    | /   | <=30  | Pass    |
|                                     |                 | Outer_Full      | 21.82                | /    | /   | 25.64     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_Full      | 22.80                | /    | /   | 26.62     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_1RB_Left  | 22.83                | /    | /   | 26.65     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_1RB_Right | 22.65                | /    | /   | 26.47     | /    | /   | <=30  | Pass    |
|                                     | 3789.99         | Edge_1RB_Left   | 21.66                | /    | /   | 25.48     | /    | /   | <=30  | Pass    |
|                                     |                 | Edge_1RB_Right  | 21.59                | /    | /   | 25.41     | /    | /   | <=30  | Pass    |
|                                     |                 | Outer_Full      | 21.75                | /    | /   | 25.57     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_Full      | 22.70                | /    | /   | 26.52     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_1RB_Left  | 22.71                | /    | /   | 26.53     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_1RB_Right | 22.65                | /    | /   | 26.47     | /    | /   | <=30  | Pass    |
| DFT-s-OFDM 64 QAM                   | 3710.01         | Edge_1RB_Left   | 20.44                | /    | /   | 24.26     | /    | /   | <=30  | Pass    |
|                                     |                 | Edge_1RB_Right  | 20.30                | /    | /   | 24.12     | /    | /   | <=30  | Pass    |
|                                     |                 | Outer_Full      | 20.38                | /    | /   | 24.20     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_Full      | 20.38                | /    | /   | 24.20     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_1RB_Left  | 20.35                | /    | /   | 24.17     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_1RB_Right | 20.24                | /    | /   | 24.06     | /    | /   | <=30  | Pass    |
|                                     | 3750            | Edge_1RB_Left   | 20.39                | /    | /   | 24.21     | /    | /   | <=30  | Pass    |
|                                     |                 | Edge_1RB_Right  | 20.11                | /    | /   | 23.93     | /    | /   | <=30  | Pass    |
|                                     |                 | Outer_Full      | 20.30                | /    | /   | 24.12     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_Full      | 20.22                | /    | /   | 24.04     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_1RB_Left  | 20.32                | /    | /   | 24.14     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_1RB_Right | 20.25                | /    | /   | 24.07     | /    | /   | <=30  | Pass    |
|                                     | 3789.99         | Edge_1RB_Left   | 20.18                | /    | /   | 24.00     | /    | /   | <=30  | Pass    |
|                                     |                 | Edge_1RB_Right  | 20.00                | /    | /   | 23.82     | /    | /   | <=30  | Pass    |
|                                     |                 | Outer_Full      | 20.25                | /    | /   | 24.07     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_Full      | 20.18                | /    | /   | 24.00     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_1RB_Left  | 20.16                | /    | /   | 23.98     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_1RB_Right | 20.23                | /    | /   | 24.05     | /    | /   | <=30  | Pass    |
| DFT-s-OFDM 256 QAM                  | 3710.01         | Edge_1RB_Left   | 18.40                | /    | /   | 22.22     | /    | /   | <=30  | Pass    |
|                                     |                 | Edge_1RB_Right  | 18.40                | /    | /   | 22.22     | /    | /   | <=30  | Pass    |
|                                     |                 | Outer_Full      | 18.37                | /    | /   | 22.19     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_Full      | 18.35                | /    | /   | 22.17     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_1RB_Left  | 18.45                | /    | /   | 22.27     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_1RB_Right | 18.26                | /    | /   | 22.08     | /    | /   | <=30  | Pass    |
|                                     | 3750            | Edge_1RB_Left   | 18.30                | /    | /   | 22.12     | /    | /   | <=30  | Pass    |
|                                     |                 | Edge_1RB_Right  | 18.16                | /    | /   | 21.98     | /    | /   | <=30  | Pass    |
|                                     |                 | Outer_Full      | 18.35                | /    | /   | 22.17     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_Full      | 18.32                | /    | /   | 22.14     | /    | /   | <=30  | Pass    |

|                 |         |                 |       |   |   |       |   |   |      |      |
|-----------------|---------|-----------------|-------|---|---|-------|---|---|------|------|
|                 |         | Inner_1RB_Left  | 18.25 | / | / | 22.07 | / | / | <=30 | Pass |
|                 |         | Inner_1RB_Right | 18.17 | / | / | 21.99 | / | / | <=30 | Pass |
|                 | 3789.99 | Edge_1RB_Left   | 18.22 | / | / | 22.04 | / | / | <=30 | Pass |
|                 |         | Edge_1RB_Right  | 17.98 | / | / | 21.80 | / | / | <=30 | Pass |
|                 |         | Outer_Full      | 18.23 | / | / | 22.05 | / | / | <=30 | Pass |
|                 |         | Inner_Full      | 18.19 | / | / | 22.01 | / | / | <=30 | Pass |
|                 |         | Inner_1RB_Left  | 18.32 | / | / | 22.14 | / | / | <=30 | Pass |
|                 |         | Inner_1RB_Right | 18.22 | / | / | 22.04 | / | / | <=30 | Pass |
| CP-OFDM QPSK    | 3710.01 | Edge_1RB_Left   | 19.91 | / | / | 23.73 | / | / | <=30 | Pass |
|                 |         | Edge_1RB_Right  | 19.79 | / | / | 23.61 | / | / | <=30 | Pass |
|                 |         | Outer_Full      | 19.94 | / | / | 23.76 | / | / | <=30 | Pass |
|                 |         | Inner_Full      | 21.37 | / | / | 25.19 | / | / | <=30 | Pass |
|                 |         | Inner_1RB_Left  | 21.45 | / | / | 25.27 | / | / | <=30 | Pass |
|                 |         | Inner_1RB_Right | 21.39 | / | / | 25.21 | / | / | <=30 | Pass |
|                 | 3750    | Edge_1RB_Left   | 19.90 | / | / | 23.72 | / | / | <=30 | Pass |
|                 |         | Edge_1RB_Right  | 19.71 | / | / | 23.53 | / | / | <=30 | Pass |
|                 |         | Outer_Full      | 19.76 | / | / | 23.58 | / | / | <=30 | Pass |
|                 |         | Inner_Full      | 21.29 | / | / | 25.11 | / | / | <=30 | Pass |
|                 |         | Inner_1RB_Left  | 21.44 | / | / | 25.26 | / | / | <=30 | Pass |
|                 |         | Inner_1RB_Right | 21.21 | / | / | 25.03 | / | / | <=30 | Pass |
|                 | 3789.99 | Edge_1RB_Left   | 19.75 | / | / | 23.57 | / | / | <=30 | Pass |
|                 |         | Edge_1RB_Right  | 19.73 | / | / | 23.55 | / | / | <=30 | Pass |
|                 |         | Outer_Full      | 19.72 | / | / | 23.54 | / | / | <=30 | Pass |
|                 |         | Inner_Full      | 21.18 | / | / | 25.00 | / | / | <=30 | Pass |
|                 |         | Inner_1RB_Left  | 21.21 | / | / | 25.03 | / | / | <=30 | Pass |
|                 |         | Inner_1RB_Right | 21.23 | / | / | 25.05 | / | / | <=30 | Pass |
| CP-OFDM 64 QAM  | 3710.01 | Edge_1RB_Left   | 19.56 | / | / | 23.38 | / | / | <=30 | Pass |
|                 |         | Edge_1RB_Right  | 19.44 | / | / | 23.26 | / | / | <=30 | Pass |
|                 |         | Outer_Full      | 19.40 | / | / | 23.22 | / | / | <=30 | Pass |
|                 |         | Inner_Full      | 19.36 | / | / | 23.18 | / | / | <=30 | Pass |
|                 |         | Inner_1RB_Left  | 19.57 | / | / | 23.39 | / | / | <=30 | Pass |
|                 |         | Inner_1RB_Right | 19.47 | / | / | 23.29 | / | / | <=30 | Pass |
|                 | 3750    | Edge_1RB_Left   | 19.46 | / | / | 23.28 | / | / | <=30 | Pass |
|                 |         | Edge_1RB_Right  | 19.31 | / | / | 23.13 | / | / | <=30 | Pass |
|                 |         | Outer_Full      | 19.33 | / | / | 23.15 | / | / | <=30 | Pass |
|                 |         | Inner_Full      | 19.27 | / | / | 23.09 | / | / | <=30 | Pass |
|                 |         | Inner_1RB_Left  | 19.35 | / | / | 23.17 | / | / | <=30 | Pass |
|                 |         | Inner_1RB_Right | 19.37 | / | / | 23.19 | / | / | <=30 | Pass |
|                 | 3789.99 | Edge_1RB_Left   | 19.18 | / | / | 23.00 | / | / | <=30 | Pass |
|                 |         | Edge_1RB_Right  | 19.22 | / | / | 23.04 | / | / | <=30 | Pass |
|                 |         | Outer_Full      | 19.27 | / | / | 23.09 | / | / | <=30 | Pass |
|                 |         | Inner_Full      | 19.24 | / | / | 23.06 | / | / | <=30 | Pass |
|                 |         | Inner_1RB_Left  | 19.22 | / | / | 23.04 | / | / | <=30 | Pass |
|                 |         | Inner_1RB_Right | 19.22 | / | / | 23.04 | / | / | <=30 | Pass |
| CP-OFDM 256 QAM | 3710.01 | Edge_1RB_Left   | 16.47 | / | / | 20.29 | / | / | <=30 | Pass |
|                 |         | Edge_1RB_Right  | 16.45 | / | / | 20.27 | / | / | <=30 | Pass |
|                 |         | Outer_Full      | 16.36 | / | / | 20.18 | / | / | <=30 | Pass |
|                 |         | Inner_Full      | 16.36 | / | / | 20.18 | / | / | <=30 | Pass |
|                 |         | Inner_1RB_Left  | 16.53 | / | / | 20.35 | / | / | <=30 | Pass |
|                 |         | Inner_1RB_Right | 16.43 | / | / | 20.25 | / | / | <=30 | Pass |
|                 | 3750    | Edge_1RB_Left   | 16.33 | / | / | 20.15 | / | / | <=30 | Pass |
|                 |         | Edge_1RB_Right  | 16.27 | / | / | 20.09 | / | / | <=30 | Pass |
|                 |         | Outer_Full      | 16.35 | / | / | 20.17 | / | / | <=30 | Pass |
|                 |         | Inner_Full      | 16.30 | / | / | 20.12 | / | / | <=30 | Pass |
|                 |         | Inner_1RB_Left  | 16.32 | / | / | 20.14 | / | / | <=30 | Pass |
|                 |         | Inner_1RB_Right | 16.38 | / | / | 20.20 | / | / | <=30 | Pass |
|                 | 3789.99 | Edge_1RB_Left   | 16.23 | / | / | 20.05 | / | / | <=30 | Pass |

|                                                                                 |  |                 |       |   |   |       |   |   |      |      |
|---------------------------------------------------------------------------------|--|-----------------|-------|---|---|-------|---|---|------|------|
|                                                                                 |  | Edge_1RB_Right  | 16.31 | / | / | 20.13 | / | / | <=30 | Pass |
|                                                                                 |  | Outer_Full      | 16.24 | / | / | 20.06 | / | / | <=30 | Pass |
|                                                                                 |  | Inner_Full      | 16.21 | / | / | 20.03 | / | / | <=30 | Pass |
|                                                                                 |  | Inner_1RB_Left  | 16.28 | / | / | 20.10 | / | / | <=30 | Pass |
|                                                                                 |  | Inner_1RB_Right | 16.11 | / | / | 19.93 | / | / | <=30 | Pass |
| Note1: Antenna Gain: Ant1: 3.82dBi;<br>Note2: EIRP=Conducted Power+Antenna Gain |  |                 |       |   |   |       |   |   |      |      |

## 1.2 30k\_SISO\_30MHz\_NTNV\_EIRP

### 1.2.1 Test Result

| 5G NR n78a SCS=30kHz SISO 30MHz NTN |                 |                 |                      |      |     |           |      |     |       |         |
|-------------------------------------|-----------------|-----------------|----------------------|------|-----|-----------|------|-----|-------|---------|
| Modulation                          | Frequency (MHz) | RB Allocation   | Conducted Power(dBm) |      |     | EIRP(dBm) |      |     |       | Verdict |
|                                     |                 |                 | Ant1                 | Ant2 | Sum | Ant1      | Ant2 | Sum | Limit |         |
| DFT-s-OFDM QPSK                     | 3715.02         | Edge_1RB_Left   | 22.00                | /    | /   | 25.82     | /    | /   | <=30  | Pass    |
|                                     |                 | Edge_1RB_Right  | 22.00                | /    | /   | 25.82     | /    | /   | <=30  | Pass    |
|                                     |                 | Outer_Full      | 21.94                | /    | /   | 25.76     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_Full      | 22.88                | /    | /   | 26.70     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_1RB_Left  | 22.98                | /    | /   | 26.80     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_1RB_Right | 23.04                | /    | /   | 26.86     | /    | /   | <=30  | Pass    |
|                                     | 3750            | Edge_1RB_Left   | 22.11                | /    | /   | 25.93     | /    | /   | <=30  | Pass    |
|                                     |                 | Edge_1RB_Right  | 21.94                | /    | /   | 25.76     | /    | /   | <=30  | Pass    |
|                                     |                 | Outer_Full      | 22.02                | /    | /   | 25.84     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_Full      | 22.97                | /    | /   | 26.79     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_1RB_Left  | 23.04                | /    | /   | 26.86     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_1RB_Right | 22.92                | /    | /   | 26.74     | /    | /   | <=30  | Pass    |
|                                     | 3784.98         | Edge_1RB_Left   | 22.01                | /    | /   | 25.83     | /    | /   | <=30  | Pass    |
|                                     |                 | Edge_1RB_Right  | 21.87                | /    | /   | 25.69     | /    | /   | <=30  | Pass    |
|                                     |                 | Outer_Full      | 21.98                | /    | /   | 25.80     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_Full      | 22.96                | /    | /   | 26.78     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_1RB_Left  | 22.99                | /    | /   | 26.81     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_1RB_Right | 23.01                | /    | /   | 26.83     | /    | /   | <=30  | Pass    |
| DFT-s-OFDM 64 QAM                   | 3715.02         | Edge_1RB_Left   | 20.75                | /    | /   | 24.57     | /    | /   | <=30  | Pass    |
|                                     |                 | Edge_1RB_Right  | 20.38                | /    | /   | 24.20     | /    | /   | <=30  | Pass    |
|                                     |                 | Outer_Full      | 20.44                | /    | /   | 24.26     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_Full      | 20.35                | /    | /   | 24.17     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_1RB_Left  | 20.53                | /    | /   | 24.35     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_1RB_Right | 20.31                | /    | /   | 24.13     | /    | /   | <=30  | Pass    |
|                                     | 3750            | Edge_1RB_Left   | 20.61                | /    | /   | 24.43     | /    | /   | <=30  | Pass    |
|                                     |                 | Edge_1RB_Right  | 20.35                | /    | /   | 24.17     | /    | /   | <=30  | Pass    |
|                                     |                 | Outer_Full      | 20.53                | /    | /   | 24.35     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_Full      | 20.46                | /    | /   | 24.28     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_1RB_Left  | 20.68                | /    | /   | 24.50     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_1RB_Right | 20.42                | /    | /   | 24.24     | /    | /   | <=30  | Pass    |
|                                     | 3784.98         | Edge_1RB_Left   | 20.53                | /    | /   | 24.35     | /    | /   | <=30  | Pass    |
|                                     |                 | Edge_1RB_Right  | 20.61                | /    | /   | 24.43     | /    | /   | <=30  | Pass    |
|                                     |                 | Outer_Full      | 20.51                | /    | /   | 24.33     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_Full      | 20.43                | /    | /   | 24.25     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_1RB_Left  | 20.47                | /    | /   | 24.29     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_1RB_Right | 20.63                | /    | /   | 24.45     | /    | /   | <=30  | Pass    |
| DFT-s-OFDM 256 QAM                  | 3715.02         | Edge_1RB_Left   | 18.65                | /    | /   | 22.47     | /    | /   | <=30  | Pass    |
|                                     |                 | Edge_1RB_Right  | 18.36                | /    | /   | 22.18     | /    | /   | <=30  | Pass    |
|                                     |                 | Outer_Full      | 18.47                | /    | /   | 22.29     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_Full      | 18.42                | /    | /   | 22.24     | /    | /   | <=30  | Pass    |

|                 |         |                 |       |   |   |       |   |   |      |      |
|-----------------|---------|-----------------|-------|---|---|-------|---|---|------|------|
|                 |         | Inner_1RB_Left  | 18.66 | / | / | 22.48 | / | / | <=30 | Pass |
|                 |         | Inner_1RB_Right | 18.57 | / | / | 22.39 | / | / | <=30 | Pass |
|                 | 3750    | Edge_1RB_Left   | 18.46 | / | / | 22.28 | / | / | <=30 | Pass |
|                 |         | Edge_1RB_Right  | 18.52 | / | / | 22.34 | / | / | <=30 | Pass |
|                 |         | Outer_Full      | 18.50 | / | / | 22.32 | / | / | <=30 | Pass |
|                 |         | Inner_Full      | 18.46 | / | / | 22.28 | / | / | <=30 | Pass |
|                 |         | Inner_1RB_Left  | 18.54 | / | / | 22.36 | / | / | <=30 | Pass |
|                 |         | Inner_1RB_Right | 18.43 | / | / | 22.25 | / | / | <=30 | Pass |
|                 | 3784.98 | Edge_1RB_Left   | 18.58 | / | / | 22.40 | / | / | <=30 | Pass |
|                 |         | Edge_1RB_Right  | 18.68 | / | / | 22.50 | / | / | <=30 | Pass |
|                 |         | Outer_Full      | 18.51 | / | / | 22.33 | / | / | <=30 | Pass |
|                 |         | Inner_Full      | 18.44 | / | / | 22.26 | / | / | <=30 | Pass |
|                 |         | Inner_1RB_Left  | 18.65 | / | / | 22.47 | / | / | <=30 | Pass |
|                 |         | Inner_1RB_Right | 18.79 | / | / | 22.61 | / | / | <=30 | Pass |
| CP-OFDM QPSK    | 3715.02 | Edge_1RB_Left   | 20.08 | / | / | 23.90 | / | / | <=30 | Pass |
|                 |         | Edge_1RB_Right  | 20.04 | / | / | 23.86 | / | / | <=30 | Pass |
|                 |         | Outer_Full      | 20.08 | / | / | 23.90 | / | / | <=30 | Pass |
|                 |         | Inner_Full      | 21.41 | / | / | 25.23 | / | / | <=30 | Pass |
|                 |         | Inner_1RB_Left  | 21.57 | / | / | 25.39 | / | / | <=30 | Pass |
|                 |         | Inner_1RB_Right | 21.42 | / | / | 25.24 | / | / | <=30 | Pass |
|                 | 3750    | Edge_1RB_Left   | 20.10 | / | / | 23.92 | / | / | <=30 | Pass |
|                 |         | Edge_1RB_Right  | 20.03 | / | / | 23.85 | / | / | <=30 | Pass |
|                 |         | Outer_Full      | 20.02 | / | / | 23.84 | / | / | <=30 | Pass |
|                 |         | Inner_Full      | 21.50 | / | / | 25.32 | / | / | <=30 | Pass |
|                 |         | Inner_1RB_Left  | 21.59 | / | / | 25.41 | / | / | <=30 | Pass |
|                 |         | Inner_1RB_Right | 21.42 | / | / | 25.24 | / | / | <=30 | Pass |
|                 | 3784.98 | Edge_1RB_Left   | 20.02 | / | / | 23.84 | / | / | <=30 | Pass |
|                 |         | Edge_1RB_Right  | 19.92 | / | / | 23.74 | / | / | <=30 | Pass |
|                 |         | Outer_Full      | 20.00 | / | / | 23.82 | / | / | <=30 | Pass |
|                 |         | Inner_Full      | 21.44 | / | / | 25.26 | / | / | <=30 | Pass |
|                 |         | Inner_1RB_Left  | 21.52 | / | / | 25.34 | / | / | <=30 | Pass |
|                 |         | Inner_1RB_Right | 21.45 | / | / | 25.27 | / | / | <=30 | Pass |
| CP-OFDM 64 QAM  | 3715.02 | Edge_1RB_Left   | 19.66 | / | / | 23.48 | / | / | <=30 | Pass |
|                 |         | Edge_1RB_Right  | 19.46 | / | / | 23.28 | / | / | <=30 | Pass |
|                 |         | Outer_Full      | 19.44 | / | / | 23.26 | / | / | <=30 | Pass |
|                 |         | Inner_Full      | 19.40 | / | / | 23.22 | / | / | <=30 | Pass |
|                 |         | Inner_1RB_Left  | 19.77 | / | / | 23.59 | / | / | <=30 | Pass |
|                 |         | Inner_1RB_Right | 11.14 | / | / | 14.96 | / | / | <=30 | Pass |
|                 | 3750    | Edge_1RB_Left   | 19.70 | / | / | 23.52 | / | / | <=30 | Pass |
|                 |         | Edge_1RB_Right  | 19.59 | / | / | 23.41 | / | / | <=30 | Pass |
|                 |         | Outer_Full      | 19.58 | / | / | 23.40 | / | / | <=30 | Pass |
|                 |         | Inner_Full      | 19.46 | / | / | 23.28 | / | / | <=30 | Pass |
|                 |         | Inner_1RB_Left  | 19.72 | / | / | 23.54 | / | / | <=30 | Pass |
|                 |         | Inner_1RB_Right | 19.44 | / | / | 23.26 | / | / | <=30 | Pass |
|                 | 3784.98 | Edge_1RB_Left   | 19.63 | / | / | 23.45 | / | / | <=30 | Pass |
|                 |         | Edge_1RB_Right  | 19.65 | / | / | 23.47 | / | / | <=30 | Pass |
|                 |         | Outer_Full      | 19.56 | / | / | 23.38 | / | / | <=30 | Pass |
|                 |         | Inner_Full      | 19.49 | / | / | 23.31 | / | / | <=30 | Pass |
|                 |         | Inner_1RB_Left  | 19.69 | / | / | 23.51 | / | / | <=30 | Pass |
|                 |         | Inner_1RB_Right | 19.61 | / | / | 23.43 | / | / | <=30 | Pass |
| CP-OFDM 256 QAM | 3715.02 | Edge_1RB_Left   | 16.51 | / | / | 20.33 | / | / | <=30 | Pass |
|                 |         | Edge_1RB_Right  | 16.47 | / | / | 20.29 | / | / | <=30 | Pass |
|                 |         | Outer_Full      | 16.30 | / | / | 20.12 | / | / | <=30 | Pass |
|                 |         | Inner_Full      | 16.38 | / | / | 20.20 | / | / | <=30 | Pass |
|                 |         | Inner_1RB_Left  | 16.54 | / | / | 20.36 | / | / | <=30 | Pass |
|                 |         | Inner_1RB_Right | 16.42 | / | / | 20.24 | / | / | <=30 | Pass |
|                 | 3750    | Edge_1RB_Left   | 16.77 | / | / | 20.59 | / | / | <=30 | Pass |

|                                                                                 |         |                 |       |   |   |       |   |   |      |      |
|---------------------------------------------------------------------------------|---------|-----------------|-------|---|---|-------|---|---|------|------|
|                                                                                 |         | Edge_1RB_Right  | 16.59 | / | / | 20.41 | / | / | <=30 | Pass |
|                                                                                 |         | Outer_Full      | 16.52 | / | / | 20.34 | / | / | <=30 | Pass |
|                                                                                 |         | Inner_Full      | 16.44 | / | / | 20.26 | / | / | <=30 | Pass |
|                                                                                 |         | Inner_1RB_Left  | 16.65 | / | / | 20.47 | / | / | <=30 | Pass |
|                                                                                 |         | Inner_1RB_Right | 16.45 | / | / | 20.27 | / | / | <=30 | Pass |
|                                                                                 | 3784.98 | Edge_1RB_Left   | 16.51 | / | / | 20.33 | / | / | <=30 | Pass |
|                                                                                 |         | Edge_1RB_Right  | 16.65 | / | / | 20.47 | / | / | <=30 | Pass |
|                                                                                 |         | Outer_Full      | 16.49 | / | / | 20.31 | / | / | <=30 | Pass |
|                                                                                 |         | Inner_Full      | 16.45 | / | / | 20.27 | / | / | <=30 | Pass |
|                                                                                 |         | Inner_1RB_Left  | 16.65 | / | / | 20.47 | / | / | <=30 | Pass |
|                                                                                 |         | Inner_1RB_Right | 16.57 | / | / | 20.39 | / | / | <=30 | Pass |
| Note1: Antenna Gain: Ant1: 3.82dBi;<br>Note2: EIRP=Conducted Power+Antenna Gain |         |                 |       |   |   |       |   |   |      |      |

### 1.3 30k\_SISO\_40MHz\_NTNV\_EIRP

#### 1.3.1 Test Result

| 5G NR n78a SCS=30kHz SISO 40MHz NTN |                 |                 |                      |      |     |           |      |     |       |         |
|-------------------------------------|-----------------|-----------------|----------------------|------|-----|-----------|------|-----|-------|---------|
| Modulation                          | Frequency (MHz) | RB Allocation   | Conducted Power(dBm) |      |     | EIRP(dBm) |      |     |       | Verdict |
|                                     |                 |                 | Ant1                 | Ant2 | Sum | Ant1      | Ant2 | Sum | Limit |         |
| DFT-s-OFDM QPSK                     | 3720            | Edge_1RB_Left   | 22.16                | /    | /   | 25.98     | /    | /   | <=30  | Pass    |
|                                     |                 | Edge_1RB_Right  | 22.08                | /    | /   | 25.90     | /    | /   | <=30  | Pass    |
|                                     |                 | Outer_Full      | 22.12                | /    | /   | 25.94     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_Full      | 22.99                | /    | /   | 26.81     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_1RB_Left  | 23.26                | /    | /   | 27.08     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_1RB_Right | 23.16                | /    | /   | 26.98     | /    | /   | <=30  | Pass    |
|                                     | 3750            | Edge_1RB_Left   | 22.32                | /    | /   | 26.14     | /    | /   | <=30  | Pass    |
|                                     |                 | Edge_1RB_Right  | 21.95                | /    | /   | 25.77     | /    | /   | <=30  | Pass    |
|                                     |                 | Outer_Full      | 22.08                | /    | /   | 25.90     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_Full      | 23.04                | /    | /   | 26.86     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_1RB_Left  | 23.29                | /    | /   | 27.11     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_1RB_Right | 22.92                | /    | /   | 26.74     | /    | /   | <=30  | Pass    |
|                                     | 3780            | Edge_1RB_Left   | 21.99                | /    | /   | 25.81     | /    | /   | <=30  | Pass    |
|                                     |                 | Edge_1RB_Right  | 21.90                | /    | /   | 25.72     | /    | /   | <=30  | Pass    |
|                                     |                 | Outer_Full      | 21.94                | /    | /   | 25.76     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_Full      | 22.90                | /    | /   | 26.72     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_1RB_Left  | 23.02                | /    | /   | 26.84     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_1RB_Right | 22.96                | /    | /   | 26.78     | /    | /   | <=30  | Pass    |
| DFT-s-OFDM 64 QAM                   | 3720            | Edge_1RB_Left   | 20.76                | /    | /   | 24.58     | /    | /   | <=30  | Pass    |
|                                     |                 | Edge_1RB_Right  | 20.61                | /    | /   | 24.43     | /    | /   | <=30  | Pass    |
|                                     |                 | Outer_Full      | 20.59                | /    | /   | 24.41     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_Full      | 20.49                | /    | /   | 24.31     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_1RB_Left  | 20.51                | /    | /   | 24.33     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_1RB_Right | 20.56                | /    | /   | 24.38     | /    | /   | <=30  | Pass    |
|                                     | 3750            | Edge_1RB_Left   | 20.72                | /    | /   | 24.54     | /    | /   | <=30  | Pass    |
|                                     |                 | Edge_1RB_Right  | 20.42                | /    | /   | 24.24     | /    | /   | <=30  | Pass    |
|                                     |                 | Outer_Full      | 20.62                | /    | /   | 24.44     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_Full      | 20.50                | /    | /   | 24.32     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_1RB_Left  | 20.78                | /    | /   | 24.60     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_1RB_Right | 20.41                | /    | /   | 24.23     | /    | /   | <=30  | Pass    |
|                                     | 3780            | Edge_1RB_Left   | 20.50                | /    | /   | 24.32     | /    | /   | <=30  | Pass    |
|                                     |                 | Edge_1RB_Right  | 20.58                | /    | /   | 24.40     | /    | /   | <=30  | Pass    |
|                                     |                 | Outer_Full      | 20.46                | /    | /   | 24.28     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_Full      | 20.40                | /    | /   | 24.22     | /    | /   | <=30  | Pass    |

|                    |      |                 |       |   |   |       |   |   |      |      |
|--------------------|------|-----------------|-------|---|---|-------|---|---|------|------|
| DFT-s-OFDM 256 QAM |      | Inner_1RB_Left  | 20.55 | / | / | 24.37 | / | / | <=30 | Pass |
|                    |      | Inner_1RB_Right | 20.44 | / | / | 24.26 | / | / | <=30 | Pass |
|                    | 3720 | Edge_1RB_Left   | 18.69 | / | / | 22.51 | / | / | <=30 | Pass |
|                    |      | Edge_1RB_Right  | 18.42 | / | / | 22.24 | / | / | <=30 | Pass |
|                    |      | Outer_Full      | 18.59 | / | / | 22.41 | / | / | <=30 | Pass |
|                    |      | Inner_Full      | 18.56 | / | / | 22.38 | / | / | <=30 | Pass |
|                    |      | Inner_1RB_Left  | 18.94 | / | / | 22.76 | / | / | <=30 | Pass |
|                    |      | Inner_1RB_Right | 18.51 | / | / | 22.33 | / | / | <=30 | Pass |
|                    | 3750 | Edge_1RB_Left   | 18.85 | / | / | 22.67 | / | / | <=30 | Pass |
|                    |      | Edge_1RB_Right  | 18.50 | / | / | 22.32 | / | / | <=30 | Pass |
|                    |      | Outer_Full      | 18.57 | / | / | 22.39 | / | / | <=30 | Pass |
|                    |      | Inner_Full      | 18.49 | / | / | 22.31 | / | / | <=30 | Pass |
|                    |      | Inner_1RB_Left  | 18.79 | / | / | 22.61 | / | / | <=30 | Pass |
|                    |      | Inner_1RB_Right | 18.38 | / | / | 22.20 | / | / | <=30 | Pass |
|                    | 3780 | Edge_1RB_Left   | 18.67 | / | / | 22.49 | / | / | <=30 | Pass |
|                    |      | Edge_1RB_Right  | 18.52 | / | / | 22.34 | / | / | <=30 | Pass |
|                    |      | Outer_Full      | 18.42 | / | / | 22.24 | / | / | <=30 | Pass |
|                    |      | Inner_Full      | 18.41 | / | / | 22.23 | / | / | <=30 | Pass |
|                    |      | Inner_1RB_Left  | 18.59 | / | / | 22.41 | / | / | <=30 | Pass |
|                    |      | Inner_1RB_Right | 18.43 | / | / | 22.25 | / | / | <=30 | Pass |
| CP-OFDM QPSK       | 3720 | Edge_1RB_Left   | 20.15 | / | / | 23.97 | / | / | <=30 | Pass |
|                    |      | Edge_1RB_Right  | 20.06 | / | / | 23.88 | / | / | <=30 | Pass |
|                    |      | Outer_Full      | 20.12 | / | / | 23.94 | / | / | <=30 | Pass |
|                    |      | Inner_Full      | 21.51 | / | / | 25.33 | / | / | <=30 | Pass |
|                    |      | Inner_1RB_Left  | 21.69 | / | / | 25.51 | / | / | <=30 | Pass |
|                    |      | Inner_1RB_Right | 21.57 | / | / | 25.39 | / | / | <=30 | Pass |
|                    | 3750 | Edge_1RB_Left   | 20.35 | / | / | 24.17 | / | / | <=30 | Pass |
|                    |      | Edge_1RB_Right  | 19.87 | / | / | 23.69 | / | / | <=30 | Pass |
|                    |      | Outer_Full      | 20.07 | / | / | 23.89 | / | / | <=30 | Pass |
|                    |      | Inner_Full      | 21.51 | / | / | 25.33 | / | / | <=30 | Pass |
|                    |      | Inner_1RB_Left  | 21.79 | / | / | 25.61 | / | / | <=30 | Pass |
|                    |      | Inner_1RB_Right | 21.53 | / | / | 25.35 | / | / | <=30 | Pass |
|                    | 3780 | Edge_1RB_Left   | 20.00 | / | / | 23.82 | / | / | <=30 | Pass |
|                    |      | Edge_1RB_Right  | 19.84 | / | / | 23.66 | / | / | <=30 | Pass |
|                    |      | Outer_Full      | 19.93 | / | / | 23.75 | / | / | <=30 | Pass |
|                    |      | Inner_Full      | 21.37 | / | / | 25.19 | / | / | <=30 | Pass |
|                    |      | Inner_1RB_Left  | 21.58 | / | / | 25.40 | / | / | <=30 | Pass |
|                    |      | Inner_1RB_Right | 21.65 | / | / | 25.47 | / | / | <=30 | Pass |
| CP-OFDM 64 QAM     | 3720 | Edge_1RB_Left   | 19.71 | / | / | 23.53 | / | / | <=30 | Pass |
|                    |      | Edge_1RB_Right  | 19.59 | / | / | 23.41 | / | / | <=30 | Pass |
|                    |      | Outer_Full      | 19.56 | / | / | 23.38 | / | / | <=30 | Pass |
|                    |      | Inner_Full      | 19.58 | / | / | 23.40 | / | / | <=30 | Pass |
|                    |      | Inner_1RB_Left  | 19.95 | / | / | 23.77 | / | / | <=30 | Pass |
|                    |      | Inner_1RB_Right | 19.57 | / | / | 23.39 | / | / | <=30 | Pass |
|                    | 3750 | Edge_1RB_Left   | 19.74 | / | / | 23.56 | / | / | <=30 | Pass |
|                    |      | Edge_1RB_Right  | 19.49 | / | / | 23.31 | / | / | <=30 | Pass |
|                    |      | Outer_Full      | 19.60 | / | / | 23.42 | / | / | <=30 | Pass |
|                    |      | Inner_Full      | 19.54 | / | / | 23.36 | / | / | <=30 | Pass |
|                    |      | Inner_1RB_Left  | 19.74 | / | / | 23.56 | / | / | <=30 | Pass |
|                    |      | Inner_1RB_Right | 19.58 | / | / | 23.40 | / | / | <=30 | Pass |
|                    | 3780 | Edge_1RB_Left   | 19.46 | / | / | 23.28 | / | / | <=30 | Pass |
|                    |      | Edge_1RB_Right  | 19.65 | / | / | 23.47 | / | / | <=30 | Pass |
|                    |      | Outer_Full      | 19.46 | / | / | 23.28 | / | / | <=30 | Pass |
|                    |      | Inner_Full      | 19.35 | / | / | 23.17 | / | / | <=30 | Pass |
|                    |      | Inner_1RB_Left  | 19.53 | / | / | 23.35 | / | / | <=30 | Pass |
|                    |      | Inner_1RB_Right | 19.48 | / | / | 23.30 | / | / | <=30 | Pass |
| CP-OFDM 256 QAM    | 3720 | Edge_1RB_Left   | 16.68 | / | / | 20.50 | / | / | <=30 | Pass |

|                                                                                 |      |                 |       |   |   |       |   |   |      |      |
|---------------------------------------------------------------------------------|------|-----------------|-------|---|---|-------|---|---|------|------|
|                                                                                 |      | Edge_1RB_Right  | 16.64 | / | / | 20.46 | / | / | <=30 | Pass |
|                                                                                 |      | Outer_Full      | 16.61 | / | / | 20.43 | / | / | <=30 | Pass |
|                                                                                 |      | Inner_Full      | 16.59 | / | / | 20.41 | / | / | <=30 | Pass |
|                                                                                 |      | Inner_1RB_Left  | 16.69 | / | / | 20.51 | / | / | <=30 | Pass |
|                                                                                 |      | Inner_1RB_Right | 16.62 | / | / | 20.44 | / | / | <=30 | Pass |
|                                                                                 | 3750 | Edge_1RB_Left   | 16.89 | / | / | 20.71 | / | / | <=30 | Pass |
|                                                                                 |      | Edge_1RB_Right  | 16.37 | / | / | 20.19 | / | / | <=30 | Pass |
|                                                                                 |      | Outer_Full      | 16.55 | / | / | 20.37 | / | / | <=30 | Pass |
|                                                                                 |      | Inner_Full      | 16.50 | / | / | 20.32 | / | / | <=30 | Pass |
|                                                                                 |      | Inner_1RB_Left  | 16.82 | / | / | 20.64 | / | / | <=30 | Pass |
|                                                                                 |      | Inner_1RB_Right | 16.64 | / | / | 20.46 | / | / | <=30 | Pass |
|                                                                                 | 3780 | Edge_1RB_Left   | 16.54 | / | / | 20.36 | / | / | <=30 | Pass |
|                                                                                 |      | Edge_1RB_Right  | 16.52 | / | / | 20.34 | / | / | <=30 | Pass |
|                                                                                 |      | Outer_Full      | 16.32 | / | / | 20.14 | / | / | <=30 | Pass |
|                                                                                 |      | Inner_Full      | 16.38 | / | / | 20.20 | / | / | <=30 | Pass |
|                                                                                 |      | Inner_1RB_Left  | 16.57 | / | / | 20.39 | / | / | <=30 | Pass |
|                                                                                 |      | Inner_1RB_Right | 16.65 | / | / | 20.47 | / | / | <=30 | Pass |
| Note1: Antenna Gain: Ant1: 3.82dBi;<br>Note2: EIRP=Conducted Power+Antenna Gain |      |                 |       |   |   |       |   |   |      |      |

## 1.4 30k\_SISO\_50MHz\_NTNV\_EIRP

### 1.4.1 Test Result

| 5G NR n78a SCS=30kHz SISO 50MHz NTN |                 |                 |                      |      |     |           |      |     |       |         |
|-------------------------------------|-----------------|-----------------|----------------------|------|-----|-----------|------|-----|-------|---------|
| Modulation                          | Frequency (MHz) | RB Allocation   | Conducted Power(dBm) |      |     | EIRP(dBm) |      |     |       | Verdict |
|                                     |                 |                 | Ant1                 | Ant2 | Sum | Ant1      | Ant2 | Sum | Limit |         |
| DFT-s-OFDM QPSK                     | 3725.01         | Edge_1RB_Left   | 21.86                | /    | /   | 25.68     | /    | /   | <=30  | Pass    |
|                                     |                 | Edge_1RB_Right  | 21.67                | /    | /   | 25.49     | /    | /   | <=30  | Pass    |
|                                     |                 | Outer_Full      | 21.73                | /    | /   | 25.55     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_Full      | 22.75                | /    | /   | 26.57     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_1RB_Left  | 22.79                | /    | /   | 26.61     | /    | /   | <=30  | Pass    |
|                                     | 3750            | Inner_1RB_Right | 22.63                | /    | /   | 26.45     | /    | /   | <=30  | Pass    |
|                                     |                 | Edge_1RB_Left   | 21.91                | /    | /   | 25.73     | /    | /   | <=30  | Pass    |
|                                     |                 | Edge_1RB_Right  | 21.57                | /    | /   | 25.39     | /    | /   | <=30  | Pass    |
|                                     |                 | Outer_Full      | 21.81                | /    | /   | 25.63     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_Full      | 22.76                | /    | /   | 26.58     | /    | /   | <=30  | Pass    |
|                                     | 3774.99         | Inner_1RB_Left  | 22.94                | /    | /   | 26.76     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_1RB_Right | 22.55                | /    | /   | 26.37     | /    | /   | <=30  | Pass    |
|                                     |                 | Edge_1RB_Left   | 21.75                | /    | /   | 25.57     | /    | /   | <=30  | Pass    |
|                                     |                 | Edge_1RB_Right  | 21.64                | /    | /   | 25.46     | /    | /   | <=30  | Pass    |
|                                     |                 | Outer_Full      | 21.76                | /    | /   | 25.58     | /    | /   | <=30  | Pass    |
| DFT-s-OFDM 64 QAM                   | 3725.01         | Inner_Full      | 22.74                | /    | /   | 26.56     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_1RB_Left  | 22.83                | /    | /   | 26.65     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_1RB_Right | 22.77                | /    | /   | 26.59     | /    | /   | <=30  | Pass    |
|                                     |                 | Edge_1RB_Left   | 20.38                | /    | /   | 24.20     | /    | /   | <=30  | Pass    |
|                                     |                 | Edge_1RB_Right  | 20.23                | /    | /   | 24.05     | /    | /   | <=30  | Pass    |
|                                     | 3750            | Outer_Full      | 20.27                | /    | /   | 24.09     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_Full      | 20.27                | /    | /   | 24.09     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_1RB_Left  | 20.45                | /    | /   | 24.27     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_1RB_Right | 20.15                | /    | /   | 23.97     | /    | /   | <=30  | Pass    |
|                                     |                 | Edge_1RB_Left   | 20.51                | /    | /   | 24.33     | /    | /   | <=30  | Pass    |
|                                     |                 | Edge_1RB_Right  | 20.14                | /    | /   | 23.96     | /    | /   | <=30  | Pass    |
|                                     |                 | Outer_Full      | 20.31                | /    | /   | 24.13     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_Full      | 20.31                | /    | /   | 24.13     | /    | /   | <=30  | Pass    |

|                    |         |                 |       |   |   |       |   |   |      |      |
|--------------------|---------|-----------------|-------|---|---|-------|---|---|------|------|
|                    |         | Inner_1RB_Left  | 20.36 | / | / | 24.18 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Right | 20.25 | / | / | 24.07 | / | / | <=30 | Pass |
|                    | 3774.99 | Edge_1RB_Left   | 20.36 | / | / | 24.18 | / | / | <=30 | Pass |
|                    |         | Edge_1RB_Right  | 20.29 | / | / | 24.11 | / | / | <=30 | Pass |
|                    |         | Outer_Full      | 20.25 | / | / | 24.07 | / | / | <=30 | Pass |
|                    |         | Inner_Full      | 20.32 | / | / | 24.14 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Left  | 20.35 | / | / | 24.17 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Right | 20.25 | / | / | 24.07 | / | / | <=30 | Pass |
| DFT-s-OFDM 256 QAM | 3725.01 | Edge_1RB_Left   | 18.41 | / | / | 22.23 | / | / | <=30 | Pass |
|                    |         | Edge_1RB_Right  | 18.23 | / | / | 22.05 | / | / | <=30 | Pass |
|                    |         | Outer_Full      | 18.24 | / | / | 22.06 | / | / | <=30 | Pass |
|                    |         | Inner_Full      | 18.24 | / | / | 22.06 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Left  | 18.38 | / | / | 22.20 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Right | 18.20 | / | / | 22.02 | / | / | <=30 | Pass |
|                    | 3750    | Edge_1RB_Left   | 18.43 | / | / | 22.25 | / | / | <=30 | Pass |
|                    |         | Edge_1RB_Right  | 18.12 | / | / | 21.94 | / | / | <=30 | Pass |
|                    |         | Outer_Full      | 18.26 | / | / | 22.08 | / | / | <=30 | Pass |
|                    |         | Inner_Full      | 18.28 | / | / | 22.10 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Left  | 18.51 | / | / | 22.33 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Right | 18.06 | / | / | 21.88 | / | / | <=30 | Pass |
|                    | 3774.99 | Edge_1RB_Left   | 18.36 | / | / | 22.18 | / | / | <=30 | Pass |
|                    |         | Edge_1RB_Right  | 18.20 | / | / | 22.02 | / | / | <=30 | Pass |
|                    |         | Outer_Full      | 18.28 | / | / | 22.10 | / | / | <=30 | Pass |
|                    |         | Inner_Full      | 18.23 | / | / | 22.05 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Left  | 18.41 | / | / | 22.23 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Right | 18.23 | / | / | 22.05 | / | / | <=30 | Pass |
| CP-OFDM QPSK       | 3725.01 | Edge_1RB_Left   | 19.86 | / | / | 23.68 | / | / | <=30 | Pass |
|                    |         | Edge_1RB_Right  | 19.66 | / | / | 23.48 | / | / | <=30 | Pass |
|                    |         | Outer_Full      | 19.77 | / | / | 23.59 | / | / | <=30 | Pass |
|                    |         | Inner_Full      | 21.26 | / | / | 25.08 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Left  | 21.41 | / | / | 25.23 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Right | 21.21 | / | / | 25.03 | / | / | <=30 | Pass |
|                    | 3750    | Edge_1RB_Left   | 19.92 | / | / | 23.74 | / | / | <=30 | Pass |
|                    |         | Edge_1RB_Right  | 19.60 | / | / | 23.42 | / | / | <=30 | Pass |
|                    |         | Outer_Full      | 19.77 | / | / | 23.59 | / | / | <=30 | Pass |
|                    |         | Inner_Full      | 21.25 | / | / | 25.07 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Left  | 21.42 | / | / | 25.24 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Right | 21.13 | / | / | 24.95 | / | / | <=30 | Pass |
|                    | 3774.99 | Edge_1RB_Left   | 19.90 | / | / | 23.72 | / | / | <=30 | Pass |
|                    |         | Edge_1RB_Right  | 19.68 | / | / | 23.50 | / | / | <=30 | Pass |
|                    |         | Outer_Full      | 19.76 | / | / | 23.58 | / | / | <=30 | Pass |
|                    |         | Inner_Full      | 21.29 | / | / | 25.11 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Left  | 21.43 | / | / | 25.25 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Right | 21.26 | / | / | 25.08 | / | / | <=30 | Pass |
| CP-OFDM 64 QAM     | 3725.01 | Edge_1RB_Left   | 19.40 | / | / | 23.22 | / | / | <=30 | Pass |
|                    |         | Edge_1RB_Right  | 19.23 | / | / | 23.05 | / | / | <=30 | Pass |
|                    |         | Outer_Full      | 19.30 | / | / | 23.12 | / | / | <=30 | Pass |
|                    |         | Inner_Full      | 19.24 | / | / | 23.06 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Left  | 19.40 | / | / | 23.22 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Right | 19.16 | / | / | 22.98 | / | / | <=30 | Pass |
|                    | 3750    | Edge_1RB_Left   | 19.39 | / | / | 23.21 | / | / | <=30 | Pass |
|                    |         | Edge_1RB_Right  | 19.12 | / | / | 22.94 | / | / | <=30 | Pass |
|                    |         | Outer_Full      | 19.32 | / | / | 23.14 | / | / | <=30 | Pass |
|                    |         | Inner_Full      | 19.25 | / | / | 23.07 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Left  | 19.47 | / | / | 23.29 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Right | 19.08 | / | / | 22.90 | / | / | <=30 | Pass |
|                    | 3774.99 | Edge_1RB_Left   | 19.44 | / | / | 23.26 | / | / | <=30 | Pass |

|                 |         |                 |       |   |   |       |   |   |      |      |
|-----------------|---------|-----------------|-------|---|---|-------|---|---|------|------|
| CP-OFDM 256 QAM |         | Edge_1RB_Right  | 19.25 | / | / | 23.07 | / | / | <=30 | Pass |
|                 |         | Outer_Full      | 19.30 | / | / | 23.12 | / | / | <=30 | Pass |
|                 |         | Inner_Full      | 19.29 | / | / | 23.11 | / | / | <=30 | Pass |
|                 |         | Inner_1RB_Left  | 19.49 | / | / | 23.31 | / | / | <=30 | Pass |
|                 |         | Inner_1RB_Right | 19.30 | / | / | 23.12 | / | / | <=30 | Pass |
|                 | 3725.01 | Edge_1RB_Left   | 16.46 | / | / | 20.28 | / | / | <=30 | Pass |
|                 |         | Edge_1RB_Right  | 16.19 | / | / | 20.01 | / | / | <=30 | Pass |
|                 |         | Outer_Full      | 16.24 | / | / | 20.06 | / | / | <=30 | Pass |
|                 |         | Inner_Full      | 16.30 | / | / | 20.12 | / | / | <=30 | Pass |
|                 |         | Inner_1RB_Left  | 16.46 | / | / | 20.28 | / | / | <=30 | Pass |
|                 | 3750    | Inner_1RB_Right | 16.21 | / | / | 20.03 | / | / | <=30 | Pass |
|                 |         | Edge_1RB_Left   | 16.43 | / | / | 20.25 | / | / | <=30 | Pass |
|                 |         | Edge_1RB_Right  | 16.10 | / | / | 19.92 | / | / | <=30 | Pass |
|                 |         | Outer_Full      | 16.26 | / | / | 20.08 | / | / | <=30 | Pass |
|                 |         | Inner_Full      | 16.29 | / | / | 20.11 | / | / | <=30 | Pass |
|                 | 3774.99 | Inner_1RB_Left  | 16.59 | / | / | 20.41 | / | / | <=30 | Pass |
|                 |         | Inner_1RB_Right | 16.19 | / | / | 20.01 | / | / | <=30 | Pass |
|                 |         | Edge_1RB_Left   | 16.43 | / | / | 20.25 | / | / | <=30 | Pass |
|                 |         | Edge_1RB_Right  | 16.31 | / | / | 20.13 | / | / | <=30 | Pass |
|                 |         | Outer_Full      | 16.28 | / | / | 20.10 | / | / | <=30 | Pass |
|                 |         | Inner_Full      | 16.26 | / | / | 20.08 | / | / | <=30 | Pass |
|                 |         | Inner_1RB_Left  | 16.37 | / | / | 20.19 | / | / | <=30 | Pass |
|                 |         | Inner_1RB_Right | 16.24 | / | / | 20.06 | / | / | <=30 | Pass |

Note1: Antenna Gain: Ant1: 3.82dBi;  
Note2: EIRP=Conducted Power+Antenna Gain

## 1.5 30k\_SISO\_60MHz\_NTNV\_EIRP

### 1.5.1 Test Result

| 5G NR n78a SCS=30kHz SISO 60MHz NTN |                 |                 |                      |      |     |           |      |     |       |         |
|-------------------------------------|-----------------|-----------------|----------------------|------|-----|-----------|------|-----|-------|---------|
| Modulation                          | Frequency (MHz) | RB Allocation   | Conducted Power(dBm) |      |     | EIRP(dBm) |      |     |       | Verdict |
|                                     |                 |                 | Ant1                 | Ant2 | Sum | Ant1      | Ant2 | Sum | Limit |         |
| DFT-s-OFDM QPSK                     | 3730.02         | Edge_1RB_Left   | 21.82                | /    | /   | 25.64     | /    | /   | <=30  | Pass    |
|                                     |                 | Edge_1RB_Right  | 21.68                | /    | /   | 25.50     | /    | /   | <=30  | Pass    |
|                                     |                 | Outer_Full      | 21.89                | /    | /   | 25.71     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_Full      | 22.89                | /    | /   | 26.71     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_1RB_Left  | 22.84                | /    | /   | 26.66     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_1RB_Right | 22.70                | /    | /   | 26.52     | /    | /   | <=30  | Pass    |
|                                     | 3750            | Edge_1RB_Left   | 21.84                | /    | /   | 25.66     | /    | /   | <=30  | Pass    |
|                                     |                 | Edge_1RB_Right  | 21.66                | /    | /   | 25.48     | /    | /   | <=30  | Pass    |
|                                     |                 | Outer_Full      | 21.79                | /    | /   | 25.61     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_Full      | 22.79                | /    | /   | 26.61     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_1RB_Left  | 22.84                | /    | /   | 26.66     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_1RB_Right | 22.60                | /    | /   | 26.42     | /    | /   | <=30  | Pass    |
|                                     | 3769.98         | Edge_1RB_Left   | 21.96                | /    | /   | 25.78     | /    | /   | <=30  | Pass    |
|                                     |                 | Edge_1RB_Right  | 21.78                | /    | /   | 25.60     | /    | /   | <=30  | Pass    |
|                                     |                 | Outer_Full      | 21.76                | /    | /   | 25.58     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_Full      | 22.70                | /    | /   | 26.52     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_1RB_Left  | 22.91                | /    | /   | 26.73     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_1RB_Right | 22.75                | /    | /   | 26.57     | /    | /   | <=30  | Pass    |
| DFT-s-OFDM 64 QAM                   | 3730.02         | Edge_1RB_Left   | 20.42                | /    | /   | 24.24     | /    | /   | <=30  | Pass    |
|                                     |                 | Edge_1RB_Right  | 20.16                | /    | /   | 23.98     | /    | /   | <=30  | Pass    |
|                                     |                 | Outer_Full      | 20.33                | /    | /   | 24.15     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_Full      | 20.38                | /    | /   | 24.20     | /    | /   | <=30  | Pass    |

|                    |         |                 |       |   |   |       |   |   |      |      |
|--------------------|---------|-----------------|-------|---|---|-------|---|---|------|------|
|                    |         | Inner_1RB_Left  | 20.23 | / | / | 24.05 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Right | 20.21 | / | / | 24.03 | / | / | <=30 | Pass |
|                    | 3750    | Edge_1RB_Left   | 20.27 | / | / | 24.09 | / | / | <=30 | Pass |
|                    |         | Edge_1RB_Right  | 20.21 | / | / | 24.03 | / | / | <=30 | Pass |
|                    |         | Outer_Full      | 20.31 | / | / | 24.13 | / | / | <=30 | Pass |
|                    |         | Inner_Full      | 20.33 | / | / | 24.15 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Left  | 20.26 | / | / | 24.08 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Right | 20.35 | / | / | 24.17 | / | / | <=30 | Pass |
|                    | 3769.98 | Edge_1RB_Left   | 20.54 | / | / | 24.36 | / | / | <=30 | Pass |
|                    |         | Edge_1RB_Right  | 20.11 | / | / | 23.93 | / | / | <=30 | Pass |
|                    |         | Outer_Full      | 20.23 | / | / | 24.05 | / | / | <=30 | Pass |
|                    |         | Inner_Full      | 20.17 | / | / | 23.99 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Left  | 20.43 | / | / | 24.25 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Right | 20.13 | / | / | 23.95 | / | / | <=30 | Pass |
| DFT-s-OFDM 256 QAM | 3730.02 | Edge_1RB_Left   | 18.29 | / | / | 22.11 | / | / | <=30 | Pass |
|                    |         | Edge_1RB_Right  | 18.32 | / | / | 22.14 | / | / | <=30 | Pass |
|                    |         | Outer_Full      | 18.35 | / | / | 22.17 | / | / | <=30 | Pass |
|                    |         | Inner_Full      | 18.41 | / | / | 22.23 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Left  | 18.27 | / | / | 22.09 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Right | 18.21 | / | / | 22.03 | / | / | <=30 | Pass |
|                    | 3750    | Edge_1RB_Left   | 18.16 | / | / | 21.98 | / | / | <=30 | Pass |
|                    |         | Edge_1RB_Right  | 18.18 | / | / | 22.00 | / | / | <=30 | Pass |
|                    |         | Outer_Full      | 18.34 | / | / | 22.16 | / | / | <=30 | Pass |
|                    |         | Inner_Full      | 18.24 | / | / | 22.06 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Left  | 18.31 | / | / | 22.13 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Right | 18.24 | / | / | 22.06 | / | / | <=30 | Pass |
|                    | 3769.98 | Edge_1RB_Left   | 18.46 | / | / | 22.28 | / | / | <=30 | Pass |
|                    |         | Edge_1RB_Right  | 18.26 | / | / | 22.08 | / | / | <=30 | Pass |
|                    |         | Outer_Full      | 18.10 | / | / | 21.92 | / | / | <=30 | Pass |
|                    |         | Inner_Full      | 18.19 | / | / | 22.01 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Left  | 18.61 | / | / | 22.43 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Right | 18.10 | / | / | 21.92 | / | / | <=30 | Pass |
| CP-OFDM QPSK       | 3730.02 | Edge_1RB_Left   | 19.88 | / | / | 23.70 | / | / | <=30 | Pass |
|                    |         | Edge_1RB_Right  | 19.76 | / | / | 23.58 | / | / | <=30 | Pass |
|                    |         | Outer_Full      | 19.86 | / | / | 23.68 | / | / | <=30 | Pass |
|                    |         | Inner_Full      | 21.34 | / | / | 25.16 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Left  | 21.37 | / | / | 25.19 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Right | 21.21 | / | / | 25.03 | / | / | <=30 | Pass |
|                    | 3750    | Edge_1RB_Left   | 19.82 | / | / | 23.64 | / | / | <=30 | Pass |
|                    |         | Edge_1RB_Right  | 19.70 | / | / | 23.52 | / | / | <=30 | Pass |
|                    |         | Outer_Full      | 19.86 | / | / | 23.68 | / | / | <=30 | Pass |
|                    |         | Inner_Full      | 21.27 | / | / | 25.09 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Left  | 21.41 | / | / | 25.23 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Right | 21.18 | / | / | 25.00 | / | / | <=30 | Pass |
|                    | 3769.98 | Edge_1RB_Left   | 19.85 | / | / | 23.67 | / | / | <=30 | Pass |
|                    |         | Edge_1RB_Right  | 19.79 | / | / | 23.61 | / | / | <=30 | Pass |
|                    |         | Outer_Full      | 19.80 | / | / | 23.62 | / | / | <=30 | Pass |
|                    |         | Inner_Full      | 21.22 | / | / | 25.04 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Left  | 21.42 | / | / | 25.24 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Right | 21.29 | / | / | 25.11 | / | / | <=30 | Pass |
| CP-OFDM 64 QAM     | 3730.02 | Edge_1RB_Left   | 19.44 | / | / | 23.26 | / | / | <=30 | Pass |
|                    |         | Edge_1RB_Right  | 19.38 | / | / | 23.20 | / | / | <=30 | Pass |
|                    |         | Outer_Full      | 19.33 | / | / | 23.15 | / | / | <=30 | Pass |
|                    |         | Inner_Full      | 19.37 | / | / | 23.19 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Left  | 19.26 | / | / | 23.08 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Right | 19.34 | / | / | 23.16 | / | / | <=30 | Pass |
|                    | 3750    | Edge_1RB_Left   | 19.33 | / | / | 23.15 | / | / | <=30 | Pass |

|                                                                                 |         |                 |                 |                |       |       |       |       |      |      |      |      |
|---------------------------------------------------------------------------------|---------|-----------------|-----------------|----------------|-------|-------|-------|-------|------|------|------|------|
| CP-OFDM 256 QAM                                                                 |         | Edge_1RB_Right  | 19.25           | /              | /     | 23.07 | /     | /     | <=30 | Pass |      |      |
|                                                                                 |         | Outer_Full      | 19.33           | /              | /     | 23.15 | /     | /     | <=30 | Pass |      |      |
|                                                                                 |         | Inner_Full      | 19.33           | /              | /     | 23.15 | /     | /     | <=30 | Pass |      |      |
|                                                                                 |         | Inner_1RB_Left  | 19.54           | /              | /     | 23.36 | /     | /     | <=30 | Pass |      |      |
|                                                                                 |         | Inner_1RB_Right | 19.26           | /              | /     | 23.08 | /     | /     | <=30 | Pass |      |      |
|                                                                                 | 3769.98 | Edge_1RB_Left   | 19.39           | /              | /     | 23.21 | /     | /     | <=30 | Pass |      |      |
|                                                                                 |         | Edge_1RB_Right  | 19.15           | /              | /     | 22.97 | /     | /     | <=30 | Pass |      |      |
|                                                                                 |         | Outer_Full      | 19.24           | /              | /     | 23.06 | /     | /     | <=30 | Pass |      |      |
|                                                                                 |         | Inner_Full      | 19.24           | /              | /     | 23.06 | /     | /     | <=30 | Pass |      |      |
|                                                                                 |         | Inner_1RB_Left  | 19.60           | /              | /     | 23.42 | /     | /     | <=30 | Pass |      |      |
|                                                                                 |         |                 | Inner_1RB_Right | 19.25          | /     | /     | 23.07 | /     | /    | <=30 | Pass |      |
|                                                                                 |         |                 | Edge_1RB_Left   | 16.36          | /     | /     | 20.18 | /     | /    | <=30 | Pass |      |
|                                                                                 |         |                 | Edge_1RB_Right  | 16.23          | /     | /     | 20.05 | /     | /    | <=30 | Pass |      |
|                                                                                 |         |                 | Outer_Full      | 16.36          | /     | /     | 20.18 | /     | /    | <=30 | Pass |      |
|                                                                                 |         |                 | Inner_Full      | 16.42          | /     | /     | 20.24 | /     | /    | <=30 | Pass |      |
|                                                                                 |         | 3730.02         | Inner_1RB_Left  | 16.42          | /     | /     | 20.24 | /     | /    | <=30 | Pass |      |
|                                                                                 |         |                 | Inner_1RB_Right | 16.25          | /     | /     | 20.07 | /     | /    | <=30 | Pass |      |
|                                                                                 |         |                 | 3750            | Edge_1RB_Left  | 16.40 | /     | /     | 20.22 | /    | /    | <=30 | Pass |
|                                                                                 |         |                 |                 | Edge_1RB_Right | 16.28 | /     | /     | 20.10 | /    | /    | <=30 | Pass |
|                                                                                 |         |                 |                 | Outer_Full     | 16.36 | /     | /     | 20.18 | /    | /    | <=30 | Pass |
|                                                                                 |         | Inner_Full      |                 | 16.33          | /     | /     | 20.15 | /     | /    | <=30 | Pass |      |
|                                                                                 |         | Inner_1RB_Left  |                 | 16.45          | /     | /     | 20.27 | /     | /    | <=30 | Pass |      |
|                                                                                 |         | 3769.98         | Inner_1RB_Right | 16.21          | /     | /     | 20.03 | /     | /    | <=30 | Pass |      |
|                                                                                 |         |                 | Edge_1RB_Left   | 16.50          | /     | /     | 20.32 | /     | /    | <=30 | Pass |      |
|                                                                                 |         |                 | Edge_1RB_Right  | 16.26          | /     | /     | 20.08 | /     | /    | <=30 | Pass |      |
|                                                                                 |         |                 | Outer_Full      | 16.17          | /     | /     | 19.99 | /     | /    | <=30 | Pass |      |
| Inner_Full                                                                      |         |                 | 16.21           | /              | /     | 20.03 | /     | /     | <=30 | Pass |      |      |
|                                                                                 |         | Inner_1RB_Left  | 16.36           | /              | /     | 20.18 | /     | /     | <=30 | Pass |      |      |
|                                                                                 |         | Inner_1RB_Right | 16.23           | /              | /     | 20.05 | /     | /     | <=30 | Pass |      |      |
| Note1: Antenna Gain: Ant1: 3.82dBi;<br>Note2: EIRP=Conducted Power+Antenna Gain |         |                 |                 |                |       |       |       |       |      |      |      |      |

## 1.6 30k\_SISO\_70MHz\_NTNV\_EIRP

### 1.6.1 Test Result

| 5G NR n78a SCS=30kHz SISO 70MHz NTN |                 |                 |                      |      |     |           |      |     |       |         |
|-------------------------------------|-----------------|-----------------|----------------------|------|-----|-----------|------|-----|-------|---------|
| Modulation                          | Frequency (MHz) | RB Allocation   | Conducted Power(dBm) |      |     | EIRP(dBm) |      |     | Limit | Verdict |
|                                     |                 |                 | Ant1                 | Ant2 | Sum | Ant1      | Ant2 | Sum |       |         |
| DFT-s-OFDM QPSK                     | 3735            | Edge_1RB_Left   | 21.86                | /    | /   | 25.68     | /    | /   | <=30  | Pass    |
|                                     |                 | Edge_1RB_Right  | 21.75                | /    | /   | 25.57     | /    | /   | <=30  | Pass    |
|                                     |                 | Outer_Full      | 21.81                | /    | /   | 25.63     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_Full      | 22.81                | /    | /   | 26.63     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_1RB_Left  | 22.80                | /    | /   | 26.62     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_1RB_Right | 22.74                | /    | /   | 26.56     | /    | /   | <=30  | Pass    |
|                                     | 3750            | Edge_1RB_Left   | 21.87                | /    | /   | 25.69     | /    | /   | <=30  | Pass    |
|                                     |                 | Edge_1RB_Right  | 21.78                | /    | /   | 25.60     | /    | /   | <=30  | Pass    |
|                                     |                 | Outer_Full      | 21.87                | /    | /   | 25.69     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_Full      | 22.82                | /    | /   | 26.64     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_1RB_Left  | 22.95                | /    | /   | 26.77     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_1RB_Right | 22.81                | /    | /   | 26.63     | /    | /   | <=30  | Pass    |
|                                     | 3765            | Edge_1RB_Left   | 21.90                | /    | /   | 25.72     | /    | /   | <=30  | Pass    |
|                                     |                 | Edge_1RB_Right  | 21.80                | /    | /   | 25.62     | /    | /   | <=30  | Pass    |
|                                     |                 | Outer_Full      | 21.75                | /    | /   | 25.57     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_Full      | 22.68                | /    | /   | 26.50     | /    | /   | <=30  | Pass    |

|                    |      |                 |       |   |   |       |   |   |      |      |
|--------------------|------|-----------------|-------|---|---|-------|---|---|------|------|
| DFT-s-OFDM 64 QAM  |      | Inner_1RB_Left  | 22.87 | / | / | 26.69 | / | / | <=30 | Pass |
|                    |      | Inner_1RB_Right | 22.75 | / | / | 26.57 | / | / | <=30 | Pass |
|                    | 3735 | Edge_1RB_Left   | 20.37 | / | / | 24.19 | / | / | <=30 | Pass |
|                    |      | Edge_1RB_Right  | 20.25 | / | / | 24.07 | / | / | <=30 | Pass |
|                    |      | Outer_Full      | 20.35 | / | / | 24.17 | / | / | <=30 | Pass |
|                    |      | Inner_Full      | 20.36 | / | / | 24.18 | / | / | <=30 | Pass |
|                    |      | Inner_1RB_Left  | 20.33 | / | / | 24.15 | / | / | <=30 | Pass |
|                    |      | Inner_1RB_Right | 20.22 | / | / | 24.04 | / | / | <=30 | Pass |
|                    | 3750 | Edge_1RB_Left   | 20.45 | / | / | 24.27 | / | / | <=30 | Pass |
|                    |      | Edge_1RB_Right  | 20.30 | / | / | 24.12 | / | / | <=30 | Pass |
|                    |      | Outer_Full      | 20.47 | / | / | 24.29 | / | / | <=30 | Pass |
|                    |      | Inner_Full      | 20.31 | / | / | 24.13 | / | / | <=30 | Pass |
|                    |      | Inner_1RB_Left  | 20.40 | / | / | 24.22 | / | / | <=30 | Pass |
|                    |      | Inner_1RB_Right | 20.42 | / | / | 24.24 | / | / | <=30 | Pass |
|                    | 3765 | Edge_1RB_Left   | 20.53 | / | / | 24.35 | / | / | <=30 | Pass |
|                    |      | Edge_1RB_Right  | 20.24 | / | / | 24.06 | / | / | <=30 | Pass |
|                    |      | Outer_Full      | 20.20 | / | / | 24.02 | / | / | <=30 | Pass |
|                    |      | Inner_Full      | 20.15 | / | / | 23.97 | / | / | <=30 | Pass |
|                    |      | Inner_1RB_Left  | 20.38 | / | / | 24.20 | / | / | <=30 | Pass |
|                    |      | Inner_1RB_Right | 20.17 | / | / | 23.99 | / | / | <=30 | Pass |
| DFT-s-OFDM 256 QAM | 3735 | Edge_1RB_Left   | 18.31 | / | / | 22.13 | / | / | <=30 | Pass |
|                    |      | Edge_1RB_Right  | 18.29 | / | / | 22.11 | / | / | <=30 | Pass |
|                    |      | Outer_Full      | 18.30 | / | / | 22.12 | / | / | <=30 | Pass |
|                    |      | Inner_Full      | 18.32 | / | / | 22.14 | / | / | <=30 | Pass |
|                    |      | Inner_1RB_Left  | 18.41 | / | / | 22.23 | / | / | <=30 | Pass |
|                    |      | Inner_1RB_Right | 18.37 | / | / | 22.19 | / | / | <=30 | Pass |
|                    | 3750 | Edge_1RB_Left   | 18.53 | / | / | 22.35 | / | / | <=30 | Pass |
|                    |      | Edge_1RB_Right  | 18.31 | / | / | 22.13 | / | / | <=30 | Pass |
|                    |      | Outer_Full      | 18.28 | / | / | 22.10 | / | / | <=30 | Pass |
|                    |      | Inner_Full      | 18.33 | / | / | 22.15 | / | / | <=30 | Pass |
|                    |      | Inner_1RB_Left  | 18.43 | / | / | 22.25 | / | / | <=30 | Pass |
|                    |      | Inner_1RB_Right | 18.26 | / | / | 22.08 | / | / | <=30 | Pass |
|                    | 3765 | Edge_1RB_Left   | 18.42 | / | / | 22.24 | / | / | <=30 | Pass |
|                    |      | Edge_1RB_Right  | 18.34 | / | / | 22.16 | / | / | <=30 | Pass |
|                    |      | Outer_Full      | 18.21 | / | / | 22.03 | / | / | <=30 | Pass |
|                    |      | Inner_Full      | 18.17 | / | / | 21.99 | / | / | <=30 | Pass |
|                    |      | Inner_1RB_Left  | 18.52 | / | / | 22.34 | / | / | <=30 | Pass |
|                    |      | Inner_1RB_Right | 18.28 | / | / | 22.10 | / | / | <=30 | Pass |
| CP-OFDM QPSK       | 3735 | Edge_1RB_Left   | 19.83 | / | / | 23.65 | / | / | <=30 | Pass |
|                    |      | Edge_1RB_Right  | 19.73 | / | / | 23.55 | / | / | <=30 | Pass |
|                    |      | Outer_Full      | 19.92 | / | / | 23.74 | / | / | <=30 | Pass |
|                    |      | Inner_Full      | 21.34 | / | / | 25.16 | / | / | <=30 | Pass |
|                    |      | Inner_1RB_Left  | 21.27 | / | / | 25.09 | / | / | <=30 | Pass |
|                    |      | Inner_1RB_Right | 21.32 | / | / | 25.14 | / | / | <=30 | Pass |
|                    | 3750 | Edge_1RB_Left   | 19.94 | / | / | 23.76 | / | / | <=30 | Pass |
|                    |      | Edge_1RB_Right  | 19.73 | / | / | 23.55 | / | / | <=30 | Pass |
|                    |      | Outer_Full      | 19.86 | / | / | 23.68 | / | / | <=30 | Pass |
|                    |      | Inner_Full      | 21.33 | / | / | 25.15 | / | / | <=30 | Pass |
|                    |      | Inner_1RB_Left  | 21.43 | / | / | 25.25 | / | / | <=30 | Pass |
|                    |      | Inner_1RB_Right | 21.36 | / | / | 25.18 | / | / | <=30 | Pass |
|                    | 3765 | Edge_1RB_Left   | 19.87 | / | / | 23.69 | / | / | <=30 | Pass |
|                    |      | Edge_1RB_Right  | 19.79 | / | / | 23.61 | / | / | <=30 | Pass |
|                    |      | Outer_Full      | 19.73 | / | / | 23.55 | / | / | <=30 | Pass |
|                    |      | Inner_Full      | 21.21 | / | / | 25.03 | / | / | <=30 | Pass |
|                    |      | Inner_1RB_Left  | 21.42 | / | / | 25.24 | / | / | <=30 | Pass |
|                    |      | Inner_1RB_Right | 21.33 | / | / | 25.15 | / | / | <=30 | Pass |
| CP-OFDM 64 QAM     | 3735 | Edge_1RB_Left   | 19.32 | / | / | 23.14 | / | / | <=30 | Pass |

|                                                                                 |                 |                 |                 |       |   |       |       |   |      |      |      |
|---------------------------------------------------------------------------------|-----------------|-----------------|-----------------|-------|---|-------|-------|---|------|------|------|
|                                                                                 |                 | Edge_1RB_Right  | 19.48           | /     | / | 23.30 | /     | / | <=30 | Pass |      |
|                                                                                 |                 | Outer_Full      | 19.45           | /     | / | 23.27 | /     | / | <=30 | Pass |      |
|                                                                                 |                 | Inner_Full      | 19.35           | /     | / | 23.17 | /     | / | <=30 | Pass |      |
|                                                                                 |                 | Inner_1RB_Left  | 19.34           | /     | / | 23.16 | /     | / | <=30 | Pass |      |
|                                                                                 |                 | Inner_1RB_Right | 19.29           | /     | / | 23.11 | /     | / | <=30 | Pass |      |
|                                                                                 | 3750            | Edge_1RB_Left   | 19.50           | /     | / | 23.32 | /     | / | <=30 | Pass |      |
|                                                                                 |                 | Edge_1RB_Right  | 19.33           | /     | / | 23.15 | /     | / | <=30 | Pass |      |
|                                                                                 |                 | Outer_Full      | 19.40           | /     | / | 23.22 | /     | / | <=30 | Pass |      |
|                                                                                 |                 | Inner_Full      | 19.37           | /     | / | 23.19 | /     | / | <=30 | Pass |      |
|                                                                                 |                 | Inner_1RB_Left  | 19.51           | /     | / | 23.33 | /     | / | <=30 | Pass |      |
|                                                                                 | 3765            | Inner_1RB_Right | 19.42           | /     | / | 23.24 | /     | / | <=30 | Pass |      |
|                                                                                 |                 | Edge_1RB_Left   | 19.40           | /     | / | 23.22 | /     | / | <=30 | Pass |      |
|                                                                                 |                 | Edge_1RB_Right  | 19.35           | /     | / | 23.17 | /     | / | <=30 | Pass |      |
|                                                                                 |                 | Outer_Full      | 19.20           | /     | / | 23.02 | /     | / | <=30 | Pass |      |
|                                                                                 |                 | Inner_Full      | 19.21           | /     | / | 23.03 | /     | / | <=30 | Pass |      |
|                                                                                 | CP-OFDM 256 QAM |                 | Inner_1RB_Left  | 19.59 | / | /     | 23.41 | / | /    | <=30 | Pass |
|                                                                                 |                 |                 | Inner_1RB_Right | 19.47 | / | /     | 23.29 | / | /    | <=30 | Pass |
|                                                                                 |                 |                 | Edge_1RB_Left   | 16.47 | / | /     | 20.29 | / | /    | <=30 | Pass |
|                                                                                 |                 |                 | Edge_1RB_Right  | 16.30 | / | /     | 20.12 | / | /    | <=30 | Pass |
|                                                                                 |                 |                 | Outer_Full      | 16.35 | / | /     | 20.17 | / | /    | <=30 | Pass |
| 3735                                                                            |                 | Inner_Full      | 16.34           | /     | / | 20.16 | /     | / | <=30 | Pass |      |
|                                                                                 |                 | Inner_1RB_Left  | 16.38           | /     | / | 20.20 | /     | / | <=30 | Pass |      |
|                                                                                 |                 | Inner_1RB_Right | 16.36           | /     | / | 20.18 | /     | / | <=30 | Pass |      |
|                                                                                 |                 | Edge_1RB_Left   | 16.47           | /     | / | 20.29 | /     | / | <=30 | Pass |      |
|                                                                                 |                 | Edge_1RB_Right  | 16.26           | /     | / | 20.08 | /     | / | <=30 | Pass |      |
| 3750                                                                            |                 | Outer_Full      | 16.38           | /     | / | 20.20 | /     | / | <=30 | Pass |      |
|                                                                                 |                 | Inner_Full      | 16.38           | /     | / | 20.20 | /     | / | <=30 | Pass |      |
|                                                                                 |                 | Inner_1RB_Left  | 16.66           | /     | / | 20.48 | /     | / | <=30 | Pass |      |
|                                                                                 |                 | Inner_1RB_Right | 16.30           | /     | / | 20.12 | /     | / | <=30 | Pass |      |
|                                                                                 |                 | Edge_1RB_Left   | 16.43           | /     | / | 20.25 | /     | / | <=30 | Pass |      |
| 3765                                                                            |                 | Edge_1RB_Right  | 16.46           | /     | / | 20.28 | /     | / | <=30 | Pass |      |
|                                                                                 |                 | Outer_Full      | 16.22           | /     | / | 20.04 | /     | / | <=30 | Pass |      |
|                                                                                 |                 | Inner_Full      | 16.19           | /     | / | 20.01 | /     | / | <=30 | Pass |      |
|                                                                                 |                 | Inner_1RB_Left  | 16.47           | /     | / | 20.29 | /     | / | <=30 | Pass |      |
|                                                                                 |                 | Inner_1RB_Right | 16.73           | /     | / | 20.55 | /     | / | <=30 | Pass |      |
| Note1: Antenna Gain: Ant1: 3.82dBi;<br>Note2: EIRP=Conducted Power+Antenna Gain |                 |                 |                 |       |   |       |       |   |      |      |      |

## 1.7 30k\_SISO\_80MHz\_NTNV\_EIRP

### 1.7.1 Test Result

| 5G NR n78a SCS=30kHz SISO 80MHz NTN |                 |                 |                      |      |     |           |      |     |       |         |
|-------------------------------------|-----------------|-----------------|----------------------|------|-----|-----------|------|-----|-------|---------|
| Modulation                          | Frequency (MHz) | RB Allocation   | Conducted Power(dBm) |      |     | EIRP(dBm) |      |     |       | Verdict |
|                                     |                 |                 | Ant1                 | Ant2 | Sum | Ant1      | Ant2 | Sum | Limit |         |
| DFT-s-OFDM QPSK                     | 3740.01         | Edge_1RB_Left   | 21.91                | /    | /   | 25.73     | /    | /   | <=30  | Pass    |
|                                     |                 | Edge_1RB_Right  | 21.79                | /    | /   | 25.61     | /    | /   | <=30  | Pass    |
|                                     |                 | Outer_Full      | 21.81                | /    | /   | 25.63     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_Full      | 22.85                | /    | /   | 26.67     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_1RB_Left  | 22.92                | /    | /   | 26.74     | /    | /   | <=30  | Pass    |
|                                     | 3750            | Inner_1RB_Right | 22.75                | /    | /   | 26.57     | /    | /   | <=30  | Pass    |
|                                     |                 | Edge_1RB_Left   | 21.93                | /    | /   | 25.75     | /    | /   | <=30  | Pass    |
|                                     |                 | Edge_1RB_Right  | 21.81                | /    | /   | 25.63     | /    | /   | <=30  | Pass    |
|                                     |                 | Outer_Full      | 21.92                | /    | /   | 25.74     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_Full      | 22.90                | /    | /   | 26.72     | /    | /   | <=30  | Pass    |

|                    |         |                 |       |   |   |       |   |   |      |      |
|--------------------|---------|-----------------|-------|---|---|-------|---|---|------|------|
|                    |         | Inner_1RB_Left  | 22.94 | / | / | 26.76 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Right | 22.91 | / | / | 26.73 | / | / | <=30 | Pass |
|                    | 3759.99 | Edge_1RB_Left   | 22.06 | / | / | 25.88 | / | / | <=30 | Pass |
|                    |         | Edge_1RB_Right  | 21.96 | / | / | 25.78 | / | / | <=30 | Pass |
|                    |         | Outer_Full      | 21.97 | / | / | 25.79 | / | / | <=30 | Pass |
|                    |         | Inner_Full      | 22.81 | / | / | 26.63 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Left  | 23.07 | / | / | 26.89 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Right | 22.94 | / | / | 26.76 | / | / | <=30 | Pass |
| DFT-s-OFDM 64 QAM  | 3740.01 | Edge_1RB_Left   | 20.38 | / | / | 24.20 | / | / | <=30 | Pass |
|                    |         | Edge_1RB_Right  | 20.24 | / | / | 24.06 | / | / | <=30 | Pass |
|                    |         | Outer_Full      | 20.34 | / | / | 24.16 | / | / | <=30 | Pass |
|                    |         | Inner_Full      | 20.38 | / | / | 24.20 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Left  | 20.34 | / | / | 24.16 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Right | 20.28 | / | / | 24.10 | / | / | <=30 | Pass |
|                    | 3750    | Edge_1RB_Left   | 20.44 | / | / | 24.26 | / | / | <=30 | Pass |
|                    |         | Edge_1RB_Right  | 20.40 | / | / | 24.22 | / | / | <=30 | Pass |
|                    |         | Outer_Full      | 20.40 | / | / | 24.22 | / | / | <=30 | Pass |
|                    |         | Inner_Full      | 20.41 | / | / | 24.23 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Left  | 20.43 | / | / | 24.25 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Right | 20.46 | / | / | 24.28 | / | / | <=30 | Pass |
|                    | 3759.99 | Edge_1RB_Left   | 20.57 | / | / | 24.39 | / | / | <=30 | Pass |
|                    |         | Edge_1RB_Right  | 20.41 | / | / | 24.23 | / | / | <=30 | Pass |
|                    |         | Outer_Full      | 20.47 | / | / | 24.29 | / | / | <=30 | Pass |
|                    |         | Inner_Full      | 20.39 | / | / | 24.21 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Left  | 20.64 | / | / | 24.46 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Right | 20.51 | / | / | 24.33 | / | / | <=30 | Pass |
| DFT-s-OFDM 256 QAM | 3740.01 | Edge_1RB_Left   | 18.28 | / | / | 22.10 | / | / | <=30 | Pass |
|                    |         | Edge_1RB_Right  | 18.28 | / | / | 22.10 | / | / | <=30 | Pass |
|                    |         | Outer_Full      | 18.37 | / | / | 22.19 | / | / | <=30 | Pass |
|                    |         | Inner_Full      | 18.32 | / | / | 22.14 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Left  | 18.44 | / | / | 22.26 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Right | 18.22 | / | / | 22.04 | / | / | <=30 | Pass |
|                    | 3750    | Edge_1RB_Left   | 18.44 | / | / | 22.26 | / | / | <=30 | Pass |
|                    |         | Edge_1RB_Right  | 18.57 | / | / | 22.39 | / | / | <=30 | Pass |
|                    |         | Outer_Full      | 18.46 | / | / | 22.28 | / | / | <=30 | Pass |
|                    |         | Inner_Full      | 18.41 | / | / | 22.23 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Left  | 18.61 | / | / | 22.43 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Right | 18.32 | / | / | 22.14 | / | / | <=30 | Pass |
|                    | 3759.99 | Edge_1RB_Left   | 18.52 | / | / | 22.34 | / | / | <=30 | Pass |
|                    |         | Edge_1RB_Right  | 18.46 | / | / | 22.28 | / | / | <=30 | Pass |
|                    |         | Outer_Full      | 18.47 | / | / | 22.29 | / | / | <=30 | Pass |
|                    |         | Inner_Full      | 18.28 | / | / | 22.10 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Left  | 18.55 | / | / | 22.37 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Right | 18.39 | / | / | 22.21 | / | / | <=30 | Pass |
| CP-OFDM QPSK       | 3740.01 | Edge_1RB_Left   | 20.03 | / | / | 23.85 | / | / | <=30 | Pass |
|                    |         | Edge_1RB_Right  | 19.80 | / | / | 23.62 | / | / | <=30 | Pass |
|                    |         | Outer_Full      | 19.76 | / | / | 23.58 | / | / | <=30 | Pass |
|                    |         | Inner_Full      | 21.38 | / | / | 25.20 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Left  | 21.41 | / | / | 25.23 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Right | 21.35 | / | / | 25.17 | / | / | <=30 | Pass |
|                    | 3750    | Edge_1RB_Left   | 20.04 | / | / | 23.86 | / | / | <=30 | Pass |
|                    |         | Edge_1RB_Right  | 19.87 | / | / | 23.69 | / | / | <=30 | Pass |
|                    |         | Outer_Full      | 19.98 | / | / | 23.80 | / | / | <=30 | Pass |
|                    |         | Inner_Full      | 21.41 | / | / | 25.23 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Left  | 21.52 | / | / | 25.34 | / | / | <=30 | Pass |
|                    |         | Inner_1RB_Right | 21.35 | / | / | 25.17 | / | / | <=30 | Pass |
|                    | 3759.99 | Edge_1RB_Left   | 20.01 | / | / | 23.83 | / | / | <=30 | Pass |

|                                          |         |                 |       |   |   |       |   |   |      |      |
|------------------------------------------|---------|-----------------|-------|---|---|-------|---|---|------|------|
|                                          |         | Edge_1RB_Right  | 19.88 | / | / | 23.70 | / | / | <=30 | Pass |
|                                          |         | Outer_Full      | 19.85 | / | / | 23.67 | / | / | <=30 | Pass |
|                                          |         | Inner_Full      | 21.26 | / | / | 25.08 | / | / | <=30 | Pass |
|                                          |         | Inner_1RB_Left  | 21.64 | / | / | 25.46 | / | / | <=30 | Pass |
|                                          |         | Inner_1RB_Right | 21.42 | / | / | 25.24 | / | / | <=30 | Pass |
| CP-OFDM 64 QAM                           | 3740.01 | Edge_1RB_Left   | 19.38 | / | / | 23.20 | / | / | <=30 | Pass |
|                                          |         | Edge_1RB_Right  | 19.35 | / | / | 23.17 | / | / | <=30 | Pass |
|                                          |         | Outer_Full      | 19.37 | / | / | 23.19 | / | / | <=30 | Pass |
|                                          |         | Inner_Full      | 19.37 | / | / | 23.19 | / | / | <=30 | Pass |
|                                          |         | Inner_1RB_Left  | 19.56 | / | / | 23.38 | / | / | <=30 | Pass |
|                                          |         | Inner_1RB_Right | 19.21 | / | / | 23.03 | / | / | <=30 | Pass |
|                                          | 3750    | Edge_1RB_Left   | 19.68 | / | / | 23.50 | / | / | <=30 | Pass |
|                                          |         | Edge_1RB_Right  | 19.36 | / | / | 23.18 | / | / | <=30 | Pass |
|                                          |         | Outer_Full      | 19.39 | / | / | 23.21 | / | / | <=30 | Pass |
|                                          |         | Inner_Full      | 19.38 | / | / | 23.20 | / | / | <=30 | Pass |
|                                          |         | Inner_1RB_Left  | 19.60 | / | / | 23.42 | / | / | <=30 | Pass |
|                                          |         | Inner_1RB_Right | 19.54 | / | / | 23.36 | / | / | <=30 | Pass |
|                                          | 3759.99 | Edge_1RB_Left   | 19.63 | / | / | 23.45 | / | / | <=30 | Pass |
|                                          |         | Edge_1RB_Right  | 19.51 | / | / | 23.33 | / | / | <=30 | Pass |
|                                          |         | Outer_Full      | 19.36 | / | / | 23.18 | / | / | <=30 | Pass |
|                                          |         | Inner_Full      | 19.30 | / | / | 23.12 | / | / | <=30 | Pass |
|                                          |         | Inner_1RB_Left  | 19.61 | / | / | 23.43 | / | / | <=30 | Pass |
|                                          |         | Inner_1RB_Right | 19.45 | / | / | 23.27 | / | / | <=30 | Pass |
| CP-OFDM 256 QAM                          | 3740.01 | Edge_1RB_Left   | 16.54 | / | / | 20.36 | / | / | <=30 | Pass |
|                                          |         | Edge_1RB_Right  | 16.24 | / | / | 20.06 | / | / | <=30 | Pass |
|                                          |         | Outer_Full      | 16.37 | / | / | 20.19 | / | / | <=30 | Pass |
|                                          |         | Inner_Full      | 16.38 | / | / | 20.20 | / | / | <=30 | Pass |
|                                          |         | Inner_1RB_Left  | 16.59 | / | / | 20.41 | / | / | <=30 | Pass |
|                                          |         | Inner_1RB_Right | 16.17 | / | / | 19.99 | / | / | <=30 | Pass |
|                                          | 3750    | Edge_1RB_Left   | 16.34 | / | / | 20.16 | / | / | <=30 | Pass |
|                                          |         | Edge_1RB_Right  | 16.54 | / | / | 20.36 | / | / | <=30 | Pass |
|                                          |         | Outer_Full      | 16.42 | / | / | 20.24 | / | / | <=30 | Pass |
|                                          |         | Inner_Full      | 16.35 | / | / | 20.17 | / | / | <=30 | Pass |
|                                          |         | Inner_1RB_Left  | 16.50 | / | / | 20.32 | / | / | <=30 | Pass |
|                                          |         | Inner_1RB_Right | 16.47 | / | / | 20.29 | / | / | <=30 | Pass |
|                                          | 3759.99 | Edge_1RB_Left   | 16.61 | / | / | 20.43 | / | / | <=30 | Pass |
|                                          |         | Edge_1RB_Right  | 16.50 | / | / | 20.32 | / | / | <=30 | Pass |
|                                          |         | Outer_Full      | 16.32 | / | / | 20.14 | / | / | <=30 | Pass |
|                                          |         | Inner_Full      | 16.32 | / | / | 20.14 | / | / | <=30 | Pass |
|                                          |         | Inner_1RB_Left  | 16.59 | / | / | 20.41 | / | / | <=30 | Pass |
|                                          |         | Inner_1RB_Right | 16.47 | / | / | 20.29 | / | / | <=30 | Pass |
| Note1: Antenna Gain: Ant1: 3.82dBi;      |         |                 |       |   |   |       |   |   |      |      |
| Note2: EIRP=Conducted Power+Antenna Gain |         |                 |       |   |   |       |   |   |      |      |

## 1.8 30k\_SISO\_90MHz\_NTNV\_EIRP

### 1.8.1 Test Result

| 5G NR n78a SCS=30kHz SISO 90MHz NTV |                 |                 |                      |      |     |           |      |     |       |         |
|-------------------------------------|-----------------|-----------------|----------------------|------|-----|-----------|------|-----|-------|---------|
| Modulation                          | Frequency (MHz) | RB Allocation   | Conducted Power(dBm) |      |     | EIRP(dBm) |      |     |       | Verdict |
|                                     |                 |                 | Ant1                 | Ant2 | Sum | Ant1      | Ant2 | Sum | Limit |         |
| DFT-s-OFDM QPSK                     | 3745.02         | Edge_1RB_Left   | 22.08                | /    | /   | 25.90     | /    | /   | <=30  | Pass    |
|                                     |                 | Edge_1RB_Right  | 21.86                | /    | /   | 25.68     | /    | /   | <=30  | Pass    |
|                                     |                 | Outer_Full      | 21.87                | /    | /   | 25.69     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_Full      | 22.78                | /    | /   | 26.60     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_1RB_Left  | 23.11                | /    | /   | 26.93     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_1RB_Right | 22.86                | /    | /   | 26.68     | /    | /   | <=30  | Pass    |
|                                     | 3750            | Edge_1RB_Left   | 22.06                | /    | /   | 25.88     | /    | /   | <=30  | Pass    |
|                                     |                 | Edge_1RB_Right  | 21.84                | /    | /   | 25.66     | /    | /   | <=30  | Pass    |
|                                     |                 | Outer_Full      | 21.95                | /    | /   | 25.77     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_Full      | 22.87                | /    | /   | 26.69     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_1RB_Left  | 23.05                | /    | /   | 26.87     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_1RB_Right | 22.84                | /    | /   | 26.66     | /    | /   | <=30  | Pass    |
|                                     | 3754.98         | Edge_1RB_Left   | 22.06                | /    | /   | 25.88     | /    | /   | <=30  | Pass    |
|                                     |                 | Edge_1RB_Right  | 21.90                | /    | /   | 25.72     | /    | /   | <=30  | Pass    |
|                                     |                 | Outer_Full      | 21.96                | /    | /   | 25.78     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_Full      | 22.92                | /    | /   | 26.74     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_1RB_Left  | 23.10                | /    | /   | 26.92     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_1RB_Right | 22.93                | /    | /   | 26.75     | /    | /   | <=30  | Pass    |
| DFT-s-OFDM 64 QAM                   | 3745.02         | Edge_1RB_Left   | 20.68                | /    | /   | 24.50     | /    | /   | <=30  | Pass    |
|                                     |                 | Edge_1RB_Right  | 20.29                | /    | /   | 24.11     | /    | /   | <=30  | Pass    |
|                                     |                 | Outer_Full      | 20.41                | /    | /   | 24.23     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_Full      | 20.32                | /    | /   | 24.14     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_1RB_Left  | 20.51                | /    | /   | 24.33     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_1RB_Right | 20.36                | /    | /   | 24.18     | /    | /   | <=30  | Pass    |
|                                     | 3750            | Edge_1RB_Left   | 20.53                | /    | /   | 24.35     | /    | /   | <=30  | Pass    |
|                                     |                 | Edge_1RB_Right  | 20.47                | /    | /   | 24.29     | /    | /   | <=30  | Pass    |
|                                     |                 | Outer_Full      | 20.42                | /    | /   | 24.24     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_Full      | 20.35                | /    | /   | 24.17     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_1RB_Left  | 20.54                | /    | /   | 24.36     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_1RB_Right | 20.40                | /    | /   | 24.22     | /    | /   | <=30  | Pass    |
|                                     | 3754.98         | Edge_1RB_Left   | 20.64                | /    | /   | 24.46     | /    | /   | <=30  | Pass    |
|                                     |                 | Edge_1RB_Right  | 20.43                | /    | /   | 24.25     | /    | /   | <=30  | Pass    |
|                                     |                 | Outer_Full      | 20.50                | /    | /   | 24.32     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_Full      | 20.48                | /    | /   | 24.30     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_1RB_Left  | 20.57                | /    | /   | 24.39     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_1RB_Right | 20.50                | /    | /   | 24.32     | /    | /   | <=30  | Pass    |
| DFT-s-OFDM 256 QAM                  | 3745.02         | Edge_1RB_Left   | 18.53                | /    | /   | 22.35     | /    | /   | <=30  | Pass    |
|                                     |                 | Edge_1RB_Right  | 18.51                | /    | /   | 22.33     | /    | /   | <=30  | Pass    |
|                                     |                 | Outer_Full      | 18.27                | /    | /   | 22.09     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_Full      | 18.35                | /    | /   | 22.17     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_1RB_Left  | 18.65                | /    | /   | 22.47     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_1RB_Right | 18.33                | /    | /   | 22.15     | /    | /   | <=30  | Pass    |
|                                     | 3750            | Edge_1RB_Left   | 18.39                | /    | /   | 22.21     | /    | /   | <=30  | Pass    |
|                                     |                 | Edge_1RB_Right  | 18.29                | /    | /   | 22.11     | /    | /   | <=30  | Pass    |
|                                     |                 | Outer_Full      | 18.49                | /    | /   | 22.31     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_Full      | 18.39                | /    | /   | 22.21     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_1RB_Left  | 18.64                | /    | /   | 22.46     | /    | /   | <=30  | Pass    |
|                                     |                 | Inner_1RB_Right | 18.52                | /    | /   | 22.34     | /    | /   | <=30  | Pass    |
|                                     | 3754.98         | Edge_1RB_Left   | 18.57                | /    | /   | 22.39     | /    | /   | <=30  | Pass    |

|                 |         |                 |       |   |   |       |   |   |      |      |
|-----------------|---------|-----------------|-------|---|---|-------|---|---|------|------|
|                 |         | Edge_1RB_Right  | 18.32 | / | / | 22.14 | / | / | <=30 | Pass |
|                 |         | Outer_Full      | 18.54 | / | / | 22.36 | / | / | <=30 | Pass |
|                 |         | Inner_Full      | 18.47 | / | / | 22.29 | / | / | <=30 | Pass |
|                 |         | Inner_1RB_Left  | 18.48 | / | / | 22.30 | / | / | <=30 | Pass |
|                 |         | Inner_1RB_Right | 18.50 | / | / | 22.32 | / | / | <=30 | Pass |
| CP-OFDM QPSK    | 3745.02 | Edge_1RB_Left   | 20.12 | / | / | 23.94 | / | / | <=30 | Pass |
|                 |         | Edge_1RB_Right  | 19.92 | / | / | 23.74 | / | / | <=30 | Pass |
|                 |         | Outer_Full      | 19.84 | / | / | 23.66 | / | / | <=30 | Pass |
|                 |         | Inner_Full      | 21.29 | / | / | 25.11 | / | / | <=30 | Pass |
|                 |         | Inner_1RB_Left  | 21.71 | / | / | 25.53 | / | / | <=30 | Pass |
|                 |         | Inner_1RB_Right | 21.35 | / | / | 25.17 | / | / | <=30 | Pass |
|                 | 3750    | Edge_1RB_Left   | 20.04 | / | / | 23.86 | / | / | <=30 | Pass |
|                 |         | Edge_1RB_Right  | 19.93 | / | / | 23.75 | / | / | <=30 | Pass |
|                 |         | Outer_Full      | 19.95 | / | / | 23.77 | / | / | <=30 | Pass |
|                 |         | Inner_Full      | 21.38 | / | / | 25.20 | / | / | <=30 | Pass |
|                 |         | Inner_1RB_Left  | 21.57 | / | / | 25.39 | / | / | <=30 | Pass |
|                 |         | Inner_1RB_Right | 21.41 | / | / | 25.23 | / | / | <=30 | Pass |
|                 | 3754.98 | Edge_1RB_Left   | 20.06 | / | / | 23.88 | / | / | <=30 | Pass |
|                 |         | Edge_1RB_Right  | 19.93 | / | / | 23.75 | / | / | <=30 | Pass |
|                 |         | Outer_Full      | 20.00 | / | / | 23.82 | / | / | <=30 | Pass |
|                 |         | Inner_Full      | 21.47 | / | / | 25.29 | / | / | <=30 | Pass |
|                 |         | Inner_1RB_Left  | 21.59 | / | / | 25.41 | / | / | <=30 | Pass |
|                 |         | Inner_1RB_Right | 21.43 | / | / | 25.25 | / | / | <=30 | Pass |
| CP-OFDM 64 QAM  | 3745.02 | Edge_1RB_Left   | 19.45 | / | / | 23.27 | / | / | <=30 | Pass |
|                 |         | Edge_1RB_Right  | 19.60 | / | / | 23.42 | / | / | <=30 | Pass |
|                 |         | Outer_Full      | 19.29 | / | / | 23.11 | / | / | <=30 | Pass |
|                 |         | Inner_Full      | 19.33 | / | / | 23.15 | / | / | <=30 | Pass |
|                 |         | Inner_1RB_Left  | 19.61 | / | / | 23.43 | / | / | <=30 | Pass |
|                 |         | Inner_1RB_Right | 19.41 | / | / | 23.23 | / | / | <=30 | Pass |
|                 | 3750    | Edge_1RB_Left   | 19.59 | / | / | 23.41 | / | / | <=30 | Pass |
|                 |         | Edge_1RB_Right  | 19.46 | / | / | 23.28 | / | / | <=30 | Pass |
|                 |         | Outer_Full      | 19.42 | / | / | 23.24 | / | / | <=30 | Pass |
|                 |         | Inner_Full      | 19.36 | / | / | 23.18 | / | / | <=30 | Pass |
|                 |         | Inner_1RB_Left  | 19.65 | / | / | 23.47 | / | / | <=30 | Pass |
|                 |         | Inner_1RB_Right | 19.56 | / | / | 23.38 | / | / | <=30 | Pass |
|                 | 3754.98 | Edge_1RB_Left   | 19.40 | / | / | 23.22 | / | / | <=30 | Pass |
|                 |         | Edge_1RB_Right  | 19.47 | / | / | 23.29 | / | / | <=30 | Pass |
|                 |         | Outer_Full      | 19.56 | / | / | 23.38 | / | / | <=30 | Pass |
|                 |         | Inner_Full      | 19.44 | / | / | 23.26 | / | / | <=30 | Pass |
|                 |         | Inner_1RB_Left  | 19.61 | / | / | 23.43 | / | / | <=30 | Pass |
|                 |         | Inner_1RB_Right | 19.53 | / | / | 23.35 | / | / | <=30 | Pass |
| CP-OFDM 256 QAM | 3745.02 | Edge_1RB_Left   | 16.58 | / | / | 20.40 | / | / | <=30 | Pass |
|                 |         | Edge_1RB_Right  | 16.36 | / | / | 20.18 | / | / | <=30 | Pass |
|                 |         | Outer_Full      | 16.33 | / | / | 20.15 | / | / | <=30 | Pass |
|                 |         | Inner_Full      | 16.27 | / | / | 20.09 | / | / | <=30 | Pass |
|                 |         | Inner_1RB_Left  | 16.76 | / | / | 20.58 | / | / | <=30 | Pass |
|                 |         | Inner_1RB_Right | 16.51 | / | / | 20.33 | / | / | <=30 | Pass |
|                 | 3750    | Edge_1RB_Left   | 16.56 | / | / | 20.38 | / | / | <=30 | Pass |
|                 |         | Edge_1RB_Right  | 16.34 | / | / | 20.16 | / | / | <=30 | Pass |
|                 |         | Outer_Full      | 16.53 | / | / | 20.35 | / | / | <=30 | Pass |
|                 |         | Inner_Full      | 16.30 | / | / | 20.12 | / | / | <=30 | Pass |
|                 |         | Inner_1RB_Left  | 16.70 | / | / | 20.52 | / | / | <=30 | Pass |
|                 |         | Inner_1RB_Right | 16.47 | / | / | 20.29 | / | / | <=30 | Pass |
|                 | 3754.98 | Edge_1RB_Left   | 16.61 | / | / | 20.43 | / | / | <=30 | Pass |
|                 |         | Edge_1RB_Right  | 16.36 | / | / | 20.18 | / | / | <=30 | Pass |
|                 |         | Outer_Full      | 16.49 | / | / | 20.31 | / | / | <=30 | Pass |
|                 |         | Inner_Full      | 16.47 | / | / | 20.29 | / | / | <=30 | Pass |

|                                                                                 |  |                 |       |   |   |       |   |   |      |      |
|---------------------------------------------------------------------------------|--|-----------------|-------|---|---|-------|---|---|------|------|
|                                                                                 |  | Inner 1RB Left  | 16.72 | / | / | 20.54 | / | / | <=30 | Pass |
|                                                                                 |  | Inner 1RB Right | 16.50 | / | / | 20.32 | / | / | <=30 | Pass |
| Note1: Antenna Gain: Ant1: 3.82dBi;<br>Note2: EIRP=Conducted Power+Antenna Gain |  |                 |       |   |   |       |   |   |      |      |

## 1.9 30k\_SISO\_100MHz\_NTNV\_EIRP

### 1.9.1 Test Result

| 5G NR n78a SCS=30kHz SISO 100MHz NTN |                 |                 |                      |      |     |           |      |     |       |         |
|--------------------------------------|-----------------|-----------------|----------------------|------|-----|-----------|------|-----|-------|---------|
| Modulation                           | Frequency (MHz) | RB Allocation   | Conducted Power(dBm) |      |     | EIRP(dBm) |      |     |       | Verdict |
|                                      |                 |                 | Ant1                 | Ant2 | Sum | Ant1      | Ant2 | Sum | Limit |         |
| DFT-s-OFDM QPSK                      | 3750            | Edge 1RB Left   | 22.28                | /    | /   | 26.10     | /    | /   | <=30  | Pass    |
|                                      |                 | Edge 1RB Right  | 22.03                | /    | /   | 25.85     | /    | /   | <=30  | Pass    |
|                                      |                 | Outer Full      | 22.01                | /    | /   | 25.83     | /    | /   | <=30  | Pass    |
|                                      |                 | Inner Full      | 22.97                | /    | /   | 26.79     | /    | /   | <=30  | Pass    |
|                                      |                 | Inner 1RB Left  | 23.27                | /    | /   | 27.09     | /    | /   | <=30  | Pass    |
|                                      |                 | Inner 1RB Right | 22.98                | /    | /   | 26.80     | /    | /   | <=30  | Pass    |
|                                      | 3750            | Edge 1RB Left   | 22.28                | /    | /   | 26.10     | /    | /   | <=30  | Pass    |
|                                      |                 | Edge 1RB Right  | 21.87                | /    | /   | 25.69     | /    | /   | <=30  | Pass    |
|                                      |                 | Outer Full      | 22.00                | /    | /   | 25.82     | /    | /   | <=30  | Pass    |
|                                      |                 | Inner Full      | 22.89                | /    | /   | 26.71     | /    | /   | <=30  | Pass    |
|                                      |                 | Inner 1RB Left  | 23.26                | /    | /   | 27.08     | /    | /   | <=30  | Pass    |
|                                      |                 | Inner 1RB Right | 22.90                | /    | /   | 26.72     | /    | /   | <=30  | Pass    |
|                                      | 3750            | Edge 1RB Left   | 22.26                | /    | /   | 26.08     | /    | /   | <=30  | Pass    |
|                                      |                 | Edge 1RB Right  | 21.99                | /    | /   | 25.81     | /    | /   | <=30  | Pass    |
|                                      |                 | Outer Full      | 22.03                | /    | /   | 25.85     | /    | /   | <=30  | Pass    |
|                                      |                 | Inner Full      | 23.00                | /    | /   | 26.82     | /    | /   | <=30  | Pass    |
|                                      |                 | Inner 1RB Left  | 23.25                | /    | /   | 27.07     | /    | /   | <=30  | Pass    |
|                                      |                 | Inner 1RB Right | 22.94                | /    | /   | 26.76     | /    | /   | <=30  | Pass    |
| DFT-s-OFDM 64 QAM                    | 3750            | Edge 1RB Left   | 20.69                | /    | /   | 24.51     | /    | /   | <=30  | Pass    |
|                                      |                 | Edge 1RB Right  | 20.57                | /    | /   | 24.39     | /    | /   | <=30  | Pass    |
|                                      |                 | Outer Full      | 20.54                | /    | /   | 24.36     | /    | /   | <=30  | Pass    |
|                                      |                 | Inner Full      | 20.49                | /    | /   | 24.31     | /    | /   | <=30  | Pass    |
|                                      |                 | Inner 1RB Left  | 20.86                | /    | /   | 24.68     | /    | /   | <=30  | Pass    |
|                                      |                 | Inner 1RB Right | 20.54                | /    | /   | 24.36     | /    | /   | <=30  | Pass    |
|                                      | 3750            | Edge 1RB Left   | 20.83                | /    | /   | 24.65     | /    | /   | <=30  | Pass    |
|                                      |                 | Edge 1RB Right  | 20.57                | /    | /   | 24.39     | /    | /   | <=30  | Pass    |
|                                      |                 | Outer Full      | 20.57                | /    | /   | 24.39     | /    | /   | <=30  | Pass    |
|                                      |                 | Inner Full      | 20.49                | /    | /   | 24.31     | /    | /   | <=30  | Pass    |
|                                      |                 | Inner 1RB Left  | 20.79                | /    | /   | 24.61     | /    | /   | <=30  | Pass    |
|                                      |                 | Inner 1RB Right | 20.58                | /    | /   | 24.40     | /    | /   | <=30  | Pass    |
|                                      | 3750            | Edge 1RB Left   | 20.86                | /    | /   | 24.68     | /    | /   | <=30  | Pass    |
|                                      |                 | Edge 1RB Right  | 20.52                | /    | /   | 24.34     | /    | /   | <=30  | Pass    |
|                                      |                 | Outer Full      | 20.57                | /    | /   | 24.39     | /    | /   | <=30  | Pass    |
|                                      |                 | Inner Full      | 20.49                | /    | /   | 24.31     | /    | /   | <=30  | Pass    |
|                                      |                 | Inner 1RB Left  | 20.87                | /    | /   | 24.69     | /    | /   | <=30  | Pass    |
|                                      |                 | Inner 1RB Right | 20.39                | /    | /   | 24.21     | /    | /   | <=30  | Pass    |
| DFT-s-OFDM 256 QAM                   | 3750            | Edge 1RB Left   | 18.79                | /    | /   | 22.61     | /    | /   | <=30  | Pass    |
|                                      |                 | Edge 1RB Right  | 18.47                | /    | /   | 22.29     | /    | /   | <=30  | Pass    |
|                                      |                 | Outer Full      | 18.51                | /    | /   | 22.33     | /    | /   | <=30  | Pass    |
|                                      |                 | Inner Full      | 18.50                | /    | /   | 22.32     | /    | /   | <=30  | Pass    |
|                                      |                 | Inner 1RB Left  | 18.75                | /    | /   | 22.57     | /    | /   | <=30  | Pass    |
|                                      |                 | Inner 1RB Right | 18.50                | /    | /   | 22.32     | /    | /   | <=30  | Pass    |
|                                      | 3750            | Edge 1RB Left   | 18.84                | /    | /   | 22.66     | /    | /   | <=30  | Pass    |

|                 |      |                 |       |   |       |       |   |      |      |      |
|-----------------|------|-----------------|-------|---|-------|-------|---|------|------|------|
|                 |      | Edge_1RB_Right  | 18.49 | / | /     | 22.31 | / | /    | <=30 | Pass |
|                 |      | Outer_Full      | 18.55 | / | /     | 22.37 | / | /    | <=30 | Pass |
|                 |      | Inner_Full      | 18.55 | / | /     | 22.37 | / | /    | <=30 | Pass |
|                 |      | Inner_1RB_Left  | 19.03 | / | /     | 22.85 | / | /    | <=30 | Pass |
|                 |      | Inner_1RB_Right | 18.56 | / | /     | 22.38 | / | /    | <=30 | Pass |
|                 | 3750 | Edge_1RB_Left   | 19.03 | / | /     | 22.85 | / | /    | <=30 | Pass |
|                 |      | Edge_1RB_Right  | 18.34 | / | /     | 22.16 | / | /    | <=30 | Pass |
|                 |      | Outer_Full      | 18.52 | / | /     | 22.34 | / | /    | <=30 | Pass |
|                 |      | Inner_Full      | 18.49 | / | /     | 22.31 | / | /    | <=30 | Pass |
|                 |      | Inner_1RB_Left  | 18.77 | / | /     | 22.59 | / | /    | <=30 | Pass |
|                 |      | Inner_1RB_Right | 18.55 | / | /     | 22.37 | / | /    | <=30 | Pass |
| CP-OFDM QPSK    | 3750 | Edge_1RB_Left   | 20.18 | / | /     | 24.00 | / | /    | <=30 | Pass |
|                 |      | Edge_1RB_Right  | 20.08 | / | /     | 23.90 | / | /    | <=30 | Pass |
|                 |      | Outer_Full      | 19.98 | / | /     | 23.80 | / | /    | <=30 | Pass |
|                 |      | Inner_Full      | 21.50 | / | /     | 25.32 | / | /    | <=30 | Pass |
|                 |      | Inner_1RB_Left  | 21.78 | / | /     | 25.60 | / | /    | <=30 | Pass |
|                 |      | Inner_1RB_Right | 21.56 | / | /     | 25.38 | / | /    | <=30 | Pass |
|                 | 3750 | Edge_1RB_Left   | 20.30 | / | /     | 24.12 | / | /    | <=30 | Pass |
|                 |      | Edge_1RB_Right  | 20.08 | / | /     | 23.90 | / | /    | <=30 | Pass |
|                 |      | Outer_Full      | 20.12 | / | /     | 23.94 | / | /    | <=30 | Pass |
|                 |      | Inner_Full      | 21.54 | / | /     | 25.36 | / | /    | <=30 | Pass |
|                 |      | Inner_1RB_Left  | 21.91 | / | /     | 25.73 | / | /    | <=30 | Pass |
|                 |      | Inner_1RB_Right | 21.61 | / | /     | 25.43 | / | /    | <=30 | Pass |
|                 | 3750 | Edge_1RB_Left   | 20.29 | / | /     | 24.11 | / | /    | <=30 | Pass |
|                 |      | Edge_1RB_Right  | 20.09 | / | /     | 23.91 | / | /    | <=30 | Pass |
|                 |      | Outer_Full      | 20.04 | / | /     | 23.86 | / | /    | <=30 | Pass |
|                 |      | Inner_Full      | 21.49 | / | /     | 25.31 | / | /    | <=30 | Pass |
|                 |      | Inner_1RB_Left  | 21.77 | / | /     | 25.59 | / | /    | <=30 | Pass |
|                 |      | Inner_1RB_Right | 21.49 | / | /     | 25.31 | / | /    | <=30 | Pass |
| CP-OFDM 64 QAM  | 3750 | Edge_1RB_Left   | 19.72 | / | /     | 23.54 | / | /    | <=30 | Pass |
|                 |      | Edge_1RB_Right  | 19.61 | / | /     | 23.43 | / | /    | <=30 | Pass |
|                 |      | Outer_Full      | 19.56 | / | /     | 23.38 | / | /    | <=30 | Pass |
|                 |      | Inner_Full      | 19.52 | / | /     | 23.34 | / | /    | <=30 | Pass |
|                 |      | Inner_1RB_Left  | 19.70 | / | /     | 23.52 | / | /    | <=30 | Pass |
|                 |      | Inner_1RB_Right | 19.59 | / | /     | 23.41 | / | /    | <=30 | Pass |
|                 | 3750 | Edge_1RB_Left   | 19.87 | / | /     | 23.69 | / | /    | <=30 | Pass |
|                 |      | Edge_1RB_Right  | 19.76 | / | /     | 23.58 | / | /    | <=30 | Pass |
|                 |      | Outer_Full      | 19.63 | / | /     | 23.45 | / | /    | <=30 | Pass |
|                 |      | Inner_Full      | 19.55 | / | /     | 23.37 | / | /    | <=30 | Pass |
|                 |      | Inner_1RB_Left  | 19.93 | / | /     | 23.75 | / | /    | <=30 | Pass |
|                 |      | Inner_1RB_Right | 19.69 | / | /     | 23.51 | / | /    | <=30 | Pass |
|                 | 3750 | Edge_1RB_Left   | 19.79 | / | /     | 23.61 | / | /    | <=30 | Pass |
|                 |      | Edge_1RB_Right  | 19.57 | / | /     | 23.39 | / | /    | <=30 | Pass |
| Outer_Full      |      | 19.53           | /     | / | 23.35 | /     | / | <=30 | Pass |      |
| Inner_Full      |      | 19.48           | /     | / | 23.30 | /     | / | <=30 | Pass |      |
| Inner_1RB_Left  |      | 19.66           | /     | / | 23.48 | /     | / | <=30 | Pass |      |
| Inner_1RB_Right |      | 19.62           | /     | / | 23.44 | /     | / | <=30 | Pass |      |
| CP-OFDM 256 QAM | 3750 | Edge_1RB_Left   | 17.04 | / | /     | 20.86 | / | /    | <=30 | Pass |
|                 |      | Edge_1RB_Right  | 16.67 | / | /     | 20.49 | / | /    | <=30 | Pass |
|                 |      | Outer_Full      | 16.49 | / | /     | 20.31 | / | /    | <=30 | Pass |
|                 |      | Inner_Full      | 16.47 | / | /     | 20.29 | / | /    | <=30 | Pass |
|                 |      | Inner_1RB_Left  | 16.90 | / | /     | 20.72 | / | /    | <=30 | Pass |
|                 |      | Inner_1RB_Right | 16.55 | / | /     | 20.37 | / | /    | <=30 | Pass |
|                 | 3750 | Edge_1RB_Left   | 16.84 | / | /     | 20.66 | / | /    | <=30 | Pass |
|                 |      | Edge_1RB_Right  | 16.86 | / | /     | 20.68 | / | /    | <=30 | Pass |
| Outer_Full      |      | 16.65           | /     | / | 20.47 | /     | / | <=30 | Pass |      |
| Inner_Full      |      | 16.57           | /     | / | 20.39 | /     | / | <=30 | Pass |      |

|                                                                                 |      |                 |       |   |   |       |   |   |      |      |
|---------------------------------------------------------------------------------|------|-----------------|-------|---|---|-------|---|---|------|------|
|                                                                                 |      | Inner_1RB_Left  | 16.91 | / | / | 20.73 | / | / | <=30 | Pass |
|                                                                                 |      | Inner_1RB_Right | 16.59 | / | / | 20.41 | / | / | <=30 | Pass |
|                                                                                 | 3750 | Edge_1RB_Left   | 16.75 | / | / | 20.57 | / | / | <=30 | Pass |
|                                                                                 |      | Edge_1RB_Right  | 16.64 | / | / | 20.46 | / | / | <=30 | Pass |
|                                                                                 |      | Outer_Full      | 16.54 | / | / | 20.36 | / | / | <=30 | Pass |
|                                                                                 |      | Inner_Full      | 16.44 | / | / | 20.26 | / | / | <=30 | Pass |
|                                                                                 |      | Inner_1RB_Left  | 16.88 | / | / | 20.70 | / | / | <=30 | Pass |
|                                                                                 |      | Inner_1RB_Right | 16.54 | / | / | 20.36 | / | / | <=30 | Pass |
| Note1: Antenna Gain: Ant1: 3.82dBi;<br>Note2: EIRP=Conducted Power+Antenna Gain |      |                 |       |   |   |       |   |   |      |      |

## 1.10 30k\_MIMO\_20MHz\_NTNV\_EIRP

### 1.10.1 Test Result

| 5G NR n78a SCS=30kHz MIMO 20MHz NTN |                 |                 |                      |       |       |           |       |       |       |         |
|-------------------------------------|-----------------|-----------------|----------------------|-------|-------|-----------|-------|-------|-------|---------|
| Modulation                          | Frequency (MHz) | RB Allocation   | Conducted Power(dBm) |       |       | EIRP(dBm) |       |       |       | Verdict |
|                                     |                 |                 | Ant5                 | Ant2  | Sum   | Ant5      | Ant2  | Sum   | Limit |         |
| CP-OFDM QPSK                        | 3710.01         | Edge_1RB_Left   | 16.92                | 16.79 | 19.87 | 20.74     | 19.78 | 23.30 | <=30  | Pass    |
|                                     |                 | Edge_1RB_Right  | 17.07                | 17.06 | 20.08 | 20.89     | 20.05 | 23.50 | <=30  | Pass    |
|                                     |                 | Outer_Full      | 16.93                | 16.92 | 19.94 | 20.75     | 19.91 | 23.36 | <=30  | Pass    |
|                                     |                 | Inner_Full      | 18.45                | 18.35 | 21.41 | 22.27     | 21.34 | 24.84 | <=30  | Pass    |
|                                     |                 | Inner_1RB_Left  | 18.52                | 18.35 | 21.45 | 22.34     | 21.34 | 24.88 | <=30  | Pass    |
|                                     |                 | Inner_1RB_Right | 18.51                | 18.63 | 21.58 | 22.33     | 21.62 | 25.00 | <=30  | Pass    |
|                                     | 3750            | Edge_1RB_Left   | 16.63                | 16.88 | 19.76 | 20.45     | 19.87 | 23.18 | <=30  | Pass    |
|                                     |                 | Edge_1RB_Right  | 16.86                | 16.88 | 19.88 | 20.68     | 19.87 | 23.30 | <=30  | Pass    |
|                                     |                 | Outer_Full      | 16.66                | 16.87 | 19.78 | 20.48     | 19.86 | 23.19 | <=30  | Pass    |
|                                     |                 | Inner_Full      | 18.13                | 18.41 | 21.28 | 21.95     | 21.40 | 24.69 | <=30  | Pass    |
|                                     |                 | Inner_1RB_Left  | 18.10                | 18.42 | 21.28 | 21.92     | 21.41 | 24.68 | <=30  | Pass    |
|                                     |                 | Inner_1RB_Right | 18.31                | 18.46 | 21.39 | 22.13     | 21.45 | 24.81 | <=30  | Pass    |
|                                     | 3789.99         | Edge_1RB_Left   | 16.78                | 16.31 | 19.56 | 20.60     | 19.30 | 23.01 | <=30  | Pass    |
|                                     |                 | Edge_1RB_Right  | 16.69                | 16.30 | 19.51 | 20.51     | 19.29 | 22.95 | <=30  | Pass    |
|                                     |                 | Outer_Full      | 16.68                | 16.31 | 19.51 | 20.50     | 19.30 | 22.95 | <=30  | Pass    |
|                                     |                 | Inner_Full      | 18.08                | 17.83 | 20.96 | 21.90     | 20.82 | 24.40 | <=30  | Pass    |
|                                     |                 | Inner_1RB_Left  | 18.29                | 17.86 | 21.09 | 22.11     | 20.85 | 24.54 | <=30  | Pass    |
|                                     |                 | Inner_1RB_Right | 18.06                | 17.91 | 21.00 | 21.88     | 20.90 | 24.43 | <=30  | Pass    |
| CP-OFDM 64 QAM                      | 3710.01         | Edge_1RB_Left   | 16.54                | 16.17 | 19.37 | 20.36     | 19.16 | 22.81 | <=30  | Pass    |
|                                     |                 | Edge_1RB_Right  | 16.62                | 16.58 | 19.61 | 20.44     | 19.57 | 23.04 | <=30  | Pass    |
|                                     |                 | Outer_Full      | 16.53                | 16.47 | 19.51 | 20.35     | 19.46 | 22.94 | <=30  | Pass    |
|                                     |                 | Inner_Full      | 16.48                | 16.42 | 19.46 | 20.30     | 19.41 | 22.89 | <=30  | Pass    |
|                                     |                 | Inner_1RB_Left  | 16.33                | 16.42 | 19.39 | 20.15     | 19.41 | 22.81 | <=30  | Pass    |
|                                     |                 | Inner_1RB_Right | 16.73                | 16.65 | 19.70 | 20.55     | 19.64 | 23.13 | <=30  | Pass    |
|                                     | 3750            | Edge_1RB_Left   | 16.27                | 16.30 | 19.30 | 20.09     | 19.29 | 22.72 | <=30  | Pass    |
|                                     |                 | Edge_1RB_Right  | 16.48                | 16.35 | 19.43 | 20.30     | 19.34 | 22.86 | <=30  | Pass    |
|                                     |                 | Outer_Full      | 16.28                | 16.39 | 19.34 | 20.10     | 19.38 | 22.77 | <=30  | Pass    |
|                                     |                 | Inner_Full      | 16.16                | 16.43 | 19.31 | 19.98     | 19.42 | 22.72 | <=30  | Pass    |
|                                     |                 | Inner_1RB_Left  | 16.20                | 16.45 | 19.34 | 20.02     | 19.44 | 22.75 | <=30  | Pass    |
|                                     |                 | Inner_1RB_Right | 16.39                | 16.37 | 19.39 | 20.21     | 19.36 | 22.82 | <=30  | Pass    |
|                                     | 3789.99         | Edge_1RB_Left   | 16.22                | 15.90 | 19.07 | 20.04     | 18.89 | 22.51 | <=30  | Pass    |
|                                     |                 | Edge_1RB_Right  | 16.09                | 16.08 | 19.09 | 19.91     | 19.07 | 22.52 | <=30  | Pass    |
|                                     |                 | Outer_Full      | 16.21                | 15.88 | 19.06 | 20.03     | 18.87 | 22.50 | <=30  | Pass    |
|                                     |                 | Inner_Full      | 16.12                | 15.77 | 18.96 | 19.94     | 18.76 | 22.40 | <=30  | Pass    |
|                                     |                 | Inner_1RB_Left  | 16.13                | 16.03 | 19.09 | 19.95     | 19.02 | 22.52 | <=30  | Pass    |
|                                     |                 | Inner_1RB_Right | 16.03                | 16.00 | 19.03 | 19.85     | 18.99 | 22.45 | <=30  | Pass    |
| CP-OFDM 256                         | 3710.01         | Edge_1RB_Left   | 13.48                | 13.48 | 16.49 | 17.30     | 16.47 | 19.92 | <=30  | Pass    |

|                                                                                                |         |                 |       |       |       |       |       |       |      |      |
|------------------------------------------------------------------------------------------------|---------|-----------------|-------|-------|-------|-------|-------|-------|------|------|
| QAM                                                                                            |         | Edge_1RB_Right  | 13.75 | 13.55 | 16.66 | 17.57 | 16.54 | 20.10 | <=30 | Pass |
|                                                                                                |         | Outer_Full      | 13.61 | 13.48 | 16.55 | 17.43 | 16.47 | 19.99 | <=30 | Pass |
|                                                                                                |         | Inner_Full      | 13.57 | 13.46 | 16.52 | 17.39 | 16.45 | 19.96 | <=30 | Pass |
|                                                                                                |         | Inner_1RB_Left  | 13.45 | 13.41 | 16.44 | 17.27 | 16.40 | 19.87 | <=30 | Pass |
|                                                                                                |         | Inner_1RB_Right | 13.61 | 13.63 | 16.63 | 17.43 | 16.62 | 20.05 | <=30 | Pass |
|                                                                                                | 3750    | Edge_1RB_Left   | 13.23 | 13.59 | 16.42 | 17.05 | 16.58 | 19.83 | <=30 | Pass |
|                                                                                                |         | Edge_1RB_Right  | 13.33 | 13.51 | 16.43 | 17.15 | 16.50 | 19.85 | <=30 | Pass |
|                                                                                                |         | Outer_Full      | 13.18 | 13.43 | 16.32 | 17.00 | 16.42 | 19.73 | <=30 | Pass |
|                                                                                                |         | Inner_Full      | 13.18 | 13.40 | 16.31 | 17.00 | 16.39 | 19.72 | <=30 | Pass |
|                                                                                                |         | Inner_1RB_Left  | 13.16 | 13.26 | 16.22 | 16.98 | 16.25 | 19.64 | <=30 | Pass |
|                                                                                                | 3789.99 | Inner_1RB_Right | 13.33 | 13.54 | 16.45 | 17.15 | 16.53 | 19.86 | <=30 | Pass |
|                                                                                                |         | Edge_1RB_Left   | 13.39 | 13.00 | 16.21 | 17.21 | 15.99 | 19.65 | <=30 | Pass |
|                                                                                                |         | Edge_1RB_Right  | 13.19 | 13.04 | 16.13 | 17.01 | 16.03 | 19.56 | <=30 | Pass |
|                                                                                                |         | Outer_Full      | 13.16 | 12.75 | 15.97 | 16.98 | 15.74 | 19.41 | <=30 | Pass |
|                                                                                                |         | Inner_Full      | 13.17 | 12.79 | 16.00 | 16.99 | 15.78 | 19.44 | <=30 | Pass |
|                                                                                                |         | Inner_1RB_Left  | 13.15 | 12.92 | 16.05 | 16.97 | 15.91 | 19.48 | <=30 | Pass |
|                                                                                                |         | Inner_1RB_Right | 13.01 | 12.95 | 15.99 | 16.83 | 15.94 | 19.42 | <=30 | Pass |
| Note1: Antenna Gain: Ant5: 3.82dBi; Ant2: 2.99dBi;<br>Note2: EIRP=Conducted Power+Antenna Gain |         |                 |       |       |       |       |       |       |      |      |

## 1.11 30k\_MIMO\_30MHz\_NTNV\_EIRP

### 1.11.1 Test Result

| 5G NR n78a SCS=30kHz MIMO 30MHz NTN |                 |                 |                      |       |       |           |       |       |       |         |
|-------------------------------------|-----------------|-----------------|----------------------|-------|-------|-----------|-------|-------|-------|---------|
| Modulation                          | Frequency (MHz) | RB Allocation   | Conducted Power(dBm) |       |       | EIRP(dBm) |       |       |       | Verdict |
|                                     |                 |                 | Ant5                 | Ant2  | Sum   | Ant5      | Ant2  | Sum   | Limit |         |
| CP-OFDM QPSK                        | 3715.02         | Edge 1RB Left   | 17.13                | 16.98 | 20.06 | 20.95     | 19.97 | 23.50 | <=30  | Pass    |
|                                     |                 | Edge 1RB Right  | 16.96                | 17.25 | 20.12 | 20.78     | 20.24 | 23.53 | <=30  | Pass    |
|                                     |                 | Outer Full      | 17.14                | 17.20 | 20.18 | 20.96     | 20.19 | 23.60 | <=30  | Pass    |
|                                     |                 | Inner Full      | 18.68                | 18.78 | 21.74 | 22.50     | 21.77 | 25.16 | <=30  | Pass    |
|                                     |                 | Inner 1RB Left  | 18.65                | 18.65 | 21.66 | 22.47     | 21.64 | 25.09 | <=30  | Pass    |
|                                     |                 | Inner 1RB Right | 18.54                | 18.80 | 21.69 | 22.36     | 21.79 | 25.09 | <=30  | Pass    |
|                                     | 3750            | Edge 1RB Left   | 16.92                | 17.32 | 20.13 | 20.74     | 20.31 | 23.54 | <=30  | Pass    |
|                                     |                 | Edge 1RB Right  | 17.14                | 17.03 | 20.10 | 20.96     | 20.02 | 23.53 | <=30  | Pass    |
|                                     |                 | Outer Full      | 16.95                | 17.09 | 20.03 | 20.77     | 20.08 | 23.45 | <=30  | Pass    |
|                                     |                 | Inner Full      | 18.23                | 18.55 | 21.40 | 22.05     | 21.54 | 24.81 | <=30  | Pass    |
|                                     |                 | Inner 1RB Left  | 18.41                | 18.69 | 21.56 | 22.23     | 21.68 | 24.97 | <=30  | Pass    |
|                                     |                 | Inner 1RB Right | 18.49                | 18.56 | 21.54 | 22.31     | 21.55 | 24.96 | <=30  | Pass    |
|                                     | 3784.98         | Edge 1RB Left   | 17.19                | 16.85 | 20.03 | 21.01     | 19.84 | 23.47 | <=30  | Pass    |
|                                     |                 | Edge 1RB Right  | 16.90                | 16.58 | 19.75 | 20.72     | 19.57 | 23.19 | <=30  | Pass    |
|                                     |                 | Outer Full      | 16.87                | 16.54 | 19.72 | 20.69     | 19.53 | 23.16 | <=30  | Pass    |
|                                     |                 | Inner Full      | 18.31                | 17.93 | 21.13 | 22.13     | 20.92 | 24.58 | <=30  | Pass    |
|                                     |                 | Inner 1RB Left  | 18.68                | 18.45 | 21.58 | 22.50     | 21.44 | 25.01 | <=30  | Pass    |
|                                     |                 | Inner 1RB Right | 18.38                | 18.18 | 21.29 | 22.20     | 21.17 | 24.73 | <=30  | Pass    |
| CP-OFDM 64 QAM                      | 3715.02         | Edge 1RB Left   | 16.62                | 16.64 | 19.64 | 20.44     | 19.63 | 23.06 | <=30  | Pass    |
|                                     |                 | Edge 1RB Right  | 16.53                | 16.72 | 19.64 | 20.35     | 19.71 | 23.05 | <=30  | Pass    |
|                                     |                 | Outer Full      | 16.62                | 16.84 | 19.74 | 20.44     | 19.83 | 23.16 | <=30  | Pass    |
|                                     |                 | Inner Full      | 16.66                | 16.67 | 19.67 | 20.48     | 19.66 | 23.10 | <=30  | Pass    |
|                                     |                 | Inner 1RB Left  | 16.62                | 16.55 | 19.60 | 20.44     | 19.54 | 23.02 | <=30  | Pass    |
|                                     |                 | Inner 1RB Right | 16.63                | 16.97 | 19.81 | 20.45     | 19.96 | 23.22 | <=30  | Pass    |
|                                     | 3750            | Edge 1RB Left   | 16.61                | 16.77 | 19.70 | 20.43     | 19.76 | 23.12 | <=30  | Pass    |
|                                     |                 | Edge 1RB Right  | 16.44                | 16.67 | 19.57 | 20.26     | 19.66 | 22.98 | <=30  | Pass    |
|                                     |                 | Outer Full      | 16.39                | 16.59 | 19.50 | 20.21     | 19.58 | 22.92 | <=30  | Pass    |
|                                     |                 | Inner Full      | 16.29                | 16.56 | 19.44 | 20.11     | 19.55 | 22.85 | <=30  | Pass    |

|                                                                                                |                 |                 |                |       |       |       |       |       |       |      |      |
|------------------------------------------------------------------------------------------------|-----------------|-----------------|----------------|-------|-------|-------|-------|-------|-------|------|------|
| CP-OFDM 256 QAM                                                                                | 3784.98         | Inner 1RB Left  | 16.38          | 16.66 | 19.53 | 20.20 | 19.65 | 22.94 | <=30  | Pass |      |
|                                                                                                |                 | Inner 1RB Right | 16.35          | 16.60 | 19.49 | 20.17 | 19.59 | 22.90 | <=30  | Pass |      |
|                                                                                                |                 | Edge 1RB Left   | 16.82          | 16.23 | 19.54 | 20.64 | 19.22 | 23.00 | <=30  | Pass |      |
|                                                                                                |                 | Edge 1RB Right  | 16.37          | 15.95 | 19.17 | 20.19 | 18.94 | 22.62 | <=30  | Pass |      |
|                                                                                                |                 | Outer Full      | 16.47          | 16.08 | 19.29 | 20.29 | 19.07 | 22.73 | <=30  | Pass |      |
|                                                                                                |                 | Inner Full      | 16.35          | 15.96 | 19.17 | 20.17 | 18.95 | 22.61 | <=30  | Pass |      |
|                                                                                                |                 | Inner 1RB Left  | 16.80          | 16.34 | 19.59 | 20.62 | 19.33 | 23.03 | <=30  | Pass |      |
|                                                                                                |                 | Inner 1RB Right | 16.15          | 16.12 | 19.15 | 19.97 | 19.11 | 22.57 | <=30  | Pass |      |
|                                                                                                | 3715.02         | Edge 1RB Left   | 13.70          | 13.54 | 16.63 | 17.52 | 16.53 | 20.06 | <=30  | Pass |      |
|                                                                                                |                 | Edge 1RB Right  | 13.73          | 13.83 | 16.79 | 17.55 | 16.82 | 20.21 | <=30  | Pass |      |
|                                                                                                |                 | Outer Full      | 13.66          | 13.77 | 16.72 | 17.48 | 16.76 | 20.15 | <=30  | Pass |      |
|                                                                                                |                 | Inner Full      | 13.67          | 13.69 | 16.69 | 17.49 | 16.68 | 20.11 | <=30  | Pass |      |
|                                                                                                |                 | Inner 1RB Left  | 13.54          | 13.66 | 16.61 | 17.36 | 16.65 | 20.03 | <=30  | Pass |      |
|                                                                                                |                 | Inner 1RB Right | 13.48          | 13.83 | 16.67 | 17.30 | 16.82 | 20.08 | <=30  | Pass |      |
|                                                                                                |                 | 3750            | Edge 1RB Left  | 13.27 | 13.71 | 16.51 | 17.09 | 16.70 | 19.91 | <=30 | Pass |
|                                                                                                |                 |                 | Edge 1RB Right | 13.53 | 13.52 | 16.53 | 17.35 | 16.51 | 19.96 | <=30 | Pass |
|                                                                                                | Outer Full      |                 | 13.47          | 13.44 | 16.47 | 17.29 | 16.43 | 19.89 | <=30  | Pass |      |
|                                                                                                | Inner Full      |                 | 13.39          | 13.55 | 16.48 | 17.21 | 16.54 | 19.90 | <=30  | Pass |      |
|                                                                                                | Inner 1RB Left  |                 | 13.59          | 13.78 | 16.70 | 17.41 | 16.77 | 20.11 | <=30  | Pass |      |
|                                                                                                | Inner 1RB Right |                 | 13.67          | 13.77 | 16.73 | 17.49 | 16.76 | 20.15 | <=30  | Pass |      |
|                                                                                                | 3784.98         |                 | Edge 1RB Left  | 13.70 | 13.30 | 16.51 | 17.52 | 16.29 | 19.96 | <=30 | Pass |
|                                                                                                |                 |                 | Edge 1RB Right | 13.46 | 13.31 | 16.39 | 17.28 | 16.30 | 19.83 | <=30 | Pass |
|                                                                                                |                 | Outer Full      | 13.45          | 13.05 | 16.27 | 17.27 | 16.04 | 19.71 | <=30  | Pass |      |
|                                                                                                |                 | Inner Full      | 13.40          | 12.91 | 16.18 | 17.22 | 15.90 | 19.62 | <=30  | Pass |      |
|                                                                                                |                 | Inner 1RB Left  | 13.72          | 13.43 | 16.59 | 17.54 | 16.42 | 20.03 | <=30  | Pass |      |
|                                                                                                |                 | Inner 1RB Right | 13.45          | 13.33 | 16.40 | 17.27 | 16.32 | 19.83 | <=30  | Pass |      |
| Note1: Antenna Gain: Ant5: 3.82dBi; Ant2: 2.99dBi;<br>Note2: EIRP=Conducted Power+Antenna Gain |                 |                 |                |       |       |       |       |       |       |      |      |

## 1.12 30k\_MIMO\_40MHz\_NTNV\_EIRP

### 1.12.1 Test Result

| 5G NR n78a SCS=30kHz MIMO 40MHz NTNV |                 |                 |                      |       |       |           |       |       |       |         |
|--------------------------------------|-----------------|-----------------|----------------------|-------|-------|-----------|-------|-------|-------|---------|
| Modulation                           | Frequency (MHz) | RB Allocation   | Conducted Power(dBm) |       |       | EIRP(dBm) |       |       |       | Verdict |
|                                      |                 |                 | Ant5                 | Ant2  | Sum   | Ant5      | Ant2  | Sum   | Limit |         |
| CP-OFDM QPSK                         | 3720            | Edge 1RB Left   | 17.20                | 17.08 | 20.15 | 21.02     | 20.07 | 23.58 | <=30  | Pass    |
|                                      |                 | Edge 1RB Right  | 16.86                | 17.00 | 19.94 | 20.68     | 19.99 | 23.36 | <=30  | Pass    |
|                                      |                 | Outer Full      | 17.17                | 17.45 | 20.33 | 20.99     | 20.44 | 23.73 | <=30  | Pass    |
|                                      |                 | Inner Full      | 18.65                | 19.02 | 21.85 | 22.47     | 22.01 | 25.26 | <=30  | Pass    |
|                                      |                 | Inner 1RB Left  | 18.76                | 18.74 | 21.76 | 22.58     | 21.73 | 25.19 | <=30  | Pass    |
|                                      |                 | Inner 1RB Right | 18.48                | 18.97 | 21.75 | 22.30     | 21.96 | 25.14 | <=30  | Pass    |
|                                      | 3750            | Edge 1RB Left   | 17.10                | 17.40 | 20.26 | 20.92     | 20.39 | 23.67 | <=30  | Pass    |
|                                      |                 | Edge 1RB Right  | 17.21                | 16.73 | 19.99 | 21.03     | 19.72 | 23.43 | <=30  | Pass    |
|                                      |                 | Outer Full      | 16.95                | 17.07 | 20.02 | 20.77     | 20.06 | 23.44 | <=30  | Pass    |
|                                      |                 | Inner Full      | 18.34                | 18.55 | 21.46 | 22.16     | 21.54 | 24.87 | <=30  | Pass    |
|                                      |                 | Inner 1RB Left  | 18.54                | 18.72 | 21.64 | 22.36     | 21.71 | 25.06 | <=30  | Pass    |
|                                      |                 | Inner 1RB Right | 18.68                | 18.36 | 21.53 | 22.50     | 21.35 | 24.97 | <=30  | Pass    |
|                                      | 3780            | Edge 1RB Left   | 17.19                | 17.07 | 20.14 | 21.01     | 20.06 | 23.57 | <=30  | Pass    |
|                                      |                 | Edge 1RB Right  | 16.84                | 16.55 | 19.71 | 20.66     | 19.54 | 23.15 | <=30  | Pass    |
|                                      |                 | Outer Full      | 16.99                | 16.58 | 19.80 | 20.81     | 19.57 | 23.24 | <=30  | Pass    |
|                                      |                 | Inner Full      | 18.49                | 17.99 | 21.26 | 22.31     | 20.98 | 24.71 | <=30  | Pass    |
|                                      |                 | Inner 1RB Left  | 18.75                | 18.61 | 21.69 | 22.57     | 21.60 | 25.12 | <=30  | Pass    |
|                                      |                 | Inner 1RB Right | 18.37                | 18.12 | 21.26 | 22.19     | 21.11 | 24.69 | <=30  | Pass    |
| CP-OFDM 64                           | 3720            | Edge 1RB Left   | 16.78                | 16.80 | 19.80 | 20.60     | 19.79 | 23.22 | <=30  | Pass    |

|                                                                                                |      |                 |       |       |       |       |       |       |      |      |
|------------------------------------------------------------------------------------------------|------|-----------------|-------|-------|-------|-------|-------|-------|------|------|
| QAM                                                                                            |      | Edge_1RB_Right  | 16.38 | 16.57 | 19.49 | 20.20 | 19.56 | 22.90 | <=30 | Pass |
|                                                                                                |      | Outer_Full      | 16.65 | 16.66 | 19.67 | 20.47 | 19.65 | 23.09 | <=30 | Pass |
|                                                                                                |      | Inner_Full      | 16.68 | 16.76 | 19.73 | 20.50 | 19.75 | 23.15 | <=30 | Pass |
|                                                                                                |      | Inner_1RB_Left  | 16.92 | 16.72 | 19.83 | 20.74 | 19.71 | 23.27 | <=30 | Pass |
|                                                                                                |      | Inner_1RB_Right | 16.34 | 16.74 | 19.55 | 20.16 | 19.73 | 22.96 | <=30 | Pass |
|                                                                                                | 3750 | Edge_1RB_Left   | 16.59 | 16.80 | 19.70 | 20.41 | 19.79 | 23.12 | <=30 | Pass |
|                                                                                                |      | Edge_1RB_Right  | 16.67 | 16.39 | 19.54 | 20.49 | 19.38 | 22.98 | <=30 | Pass |
|                                                                                                |      | Outer_Full      | 16.47 | 16.54 | 19.52 | 20.29 | 19.53 | 22.94 | <=30 | Pass |
|                                                                                                |      | Inner_Full      | 16.38 | 16.53 | 19.47 | 20.20 | 19.52 | 22.88 | <=30 | Pass |
|                                                                                                |      | Inner_1RB_Left  | 16.58 | 16.84 | 19.72 | 20.40 | 19.83 | 23.13 | <=30 | Pass |
|                                                                                                | 3780 | Inner_1RB_Right | 16.88 | 16.27 | 19.59 | 20.70 | 19.26 | 23.05 | <=30 | Pass |
|                                                                                                |      | Edge_1RB_Left   | 16.75 | 16.66 | 19.72 | 20.57 | 19.65 | 23.14 | <=30 | Pass |
|                                                                                                |      | Edge_1RB_Right  | 16.44 | 16.22 | 19.34 | 20.26 | 19.21 | 22.78 | <=30 | Pass |
|                                                                                                |      | Outer_Full      | 16.51 | 16.17 | 19.35 | 20.33 | 19.16 | 22.79 | <=30 | Pass |
|                                                                                                |      | Inner_Full      | 16.46 | 16.01 | 19.25 | 20.28 | 19.00 | 22.70 | <=30 | Pass |
| CP-OFDM 256 QAM                                                                                | 3720 | Inner_1RB_Left  | 16.76 | 16.63 | 19.70 | 20.58 | 19.62 | 23.14 | <=30 | Pass |
|                                                                                                |      | Inner_1RB_Right | 16.50 | 16.21 | 19.37 | 20.32 | 19.20 | 22.81 | <=30 | Pass |
|                                                                                                |      | Edge_1RB_Left   | 13.64 | 13.88 | 16.78 | 17.46 | 16.87 | 20.19 | <=30 | Pass |
|                                                                                                |      | Edge_1RB_Right  | 13.43 | 13.66 | 16.56 | 17.25 | 16.65 | 19.97 | <=30 | Pass |
|                                                                                                |      | Outer_Full      | 13.72 | 13.76 | 16.75 | 17.54 | 16.75 | 20.17 | <=30 | Pass |
|                                                                                                |      | Inner_Full      | 13.70 | 13.77 | 16.75 | 17.52 | 16.76 | 20.17 | <=30 | Pass |
|                                                                                                | 3750 | Inner_1RB_Left  | 13.84 | 13.56 | 16.71 | 17.66 | 16.55 | 20.15 | <=30 | Pass |
|                                                                                                |      | Inner_1RB_Right | 13.50 | 13.62 | 16.57 | 17.32 | 16.61 | 19.99 | <=30 | Pass |
|                                                                                                |      | Edge_1RB_Left   | 13.45 | 14.04 | 16.76 | 17.27 | 17.03 | 20.16 | <=30 | Pass |
|                                                                                                |      | Edge_1RB_Right  | 13.64 | 13.15 | 16.41 | 17.46 | 16.14 | 19.86 | <=30 | Pass |
|                                                                                                |      | Outer_Full      | 13.57 | 13.54 | 16.56 | 17.39 | 16.53 | 19.99 | <=30 | Pass |
|                                                                                                |      | Inner_Full      | 13.47 | 13.57 | 16.53 | 17.29 | 16.56 | 19.95 | <=30 | Pass |
|                                                                                                | 3780 | Inner_1RB_Left  | 13.38 | 13.79 | 16.60 | 17.20 | 16.78 | 20.01 | <=30 | Pass |
|                                                                                                |      | Inner_1RB_Right | 13.71 | 13.17 | 16.46 | 17.53 | 16.16 | 19.91 | <=30 | Pass |
|                                                                                                |      | Edge_1RB_Left   | 13.71 | 13.61 | 16.67 | 17.53 | 16.60 | 20.10 | <=30 | Pass |
|                                                                                                |      | Edge_1RB_Right  | 13.54 | 13.14 | 16.36 | 17.36 | 16.13 | 19.80 | <=30 | Pass |
|                                                                                                |      | Outer_Full      | 13.45 | 13.46 | 16.46 | 17.27 | 16.45 | 19.89 | <=30 | Pass |
|                                                                                                |      | Inner_Full      | 13.40 | 13.07 | 16.25 | 17.22 | 16.06 | 19.69 | <=30 | Pass |
|                                                                                                |      | Inner_1RB_Left  | 13.89 | 13.43 | 16.68 | 17.71 | 16.42 | 20.12 | <=30 | Pass |
|                                                                                                |      | Inner_1RB_Right | 13.43 | 13.29 | 16.37 | 17.25 | 16.28 | 19.80 | <=30 | Pass |
| Note1: Antenna Gain: Ant5: 3.82dBi; Ant2: 2.99dBi;<br>Note2: EIRP=Conducted Power+Antenna Gain |      |                 |       |       |       |       |       |       |      |      |

## 1.13 30k\_MIMO\_50MHz\_NTNV\_EIRP

### 1.13.1 Test Result

| 5G NR n78a SCS=30kHz MIMO 50MHz NTN |                 |                 |                      |       |       |           |       |       |       |         |
|-------------------------------------|-----------------|-----------------|----------------------|-------|-------|-----------|-------|-------|-------|---------|
| Modulation                          | Frequency (MHz) | RB Allocation   | Conducted Power(dBm) |       |       | EIRP(dBm) |       |       |       | Verdict |
|                                     |                 |                 | Ant5                 | Ant2  | Sum   | Ant5      | Ant2  | Sum   | Limit |         |
| CP-OFDM QPSK                        | 3725.01         | Edge 1RB Left   | 16.95                | 16.67 | 19.82 | 20.77     | 19.66 | 23.26 | <=30  | Pass    |
|                                     |                 | Edge 1RB Right  | 16.57                | 16.68 | 19.64 | 20.39     | 19.67 | 23.06 | <=30  | Pass    |
|                                     |                 | Outer Full      | 16.90                | 16.83 | 19.88 | 20.72     | 19.82 | 23.30 | <=30  | Pass    |
|                                     |                 | Inner Full      | 18.24                | 18.39 | 21.33 | 22.06     | 21.38 | 24.74 | <=30  | Pass    |
|                                     |                 | Inner 1RB Left  | 18.49                | 18.36 | 21.44 | 22.31     | 21.35 | 24.87 | <=30  | Pass    |
|                                     |                 | Inner 1RB Right | 18.15                | 18.20 | 21.19 | 21.97     | 21.19 | 24.61 | <=30  | Pass    |
|                                     | 3750            | Edge 1RB Left   | 16.73                | 17.42 | 20.10 | 20.55     | 20.41 | 23.49 | <=30  | Pass    |
|                                     |                 | Edge 1RB Right  | 16.68                | 15.41 | 19.10 | 20.50     | 18.40 | 22.59 | <=30  | Pass    |
|                                     |                 | Outer Full      | 16.58                | 16.80 | 19.70 | 20.40     | 19.79 | 23.12 | <=30  | Pass    |
|                                     |                 | Inner Full      | 18.04                | 18.39 | 21.23 | 21.86     | 21.38 | 24.64 | <=30  | Pass    |
|                                     |                 | Inner 1RB Left  | 18.27                | 18.93 | 21.63 | 22.09     | 21.92 | 25.02 | <=30  | Pass    |
|                                     |                 | Inner 1RB Right | 18.22                | 17.11 | 20.71 | 22.04     | 20.10 | 24.19 | <=30  | Pass    |
|                                     | 3774.99         | Edge 1RB Left   | 16.70                | 17.07 | 19.90 | 20.52     | 20.06 | 23.31 | <=30  | Pass    |
|                                     |                 | Edge 1RB Right  | 16.40                | 14.84 | 18.70 | 20.22     | 17.83 | 22.20 | <=30  | Pass    |
|                                     |                 | Outer Full      | 16.78                | 16.41 | 19.61 | 20.60     | 19.40 | 23.05 | <=30  | Pass    |
|                                     |                 | Inner Full      | 18.31                | 17.67 | 21.01 | 22.13     | 20.66 | 24.47 | <=30  | Pass    |
|                                     |                 | Inner 1RB Left  | 18.45                | 18.58 | 21.52 | 22.27     | 21.57 | 24.94 | <=30  | Pass    |
|                                     |                 | Inner 1RB Right | 18.19                | 16.45 | 20.42 | 22.01     | 19.44 | 23.92 | <=30  | Pass    |
| CP-OFDM 64 QAM                      | 3725.01         | Edge 1RB Left   | 16.53                | 16.44 | 19.50 | 20.35     | 19.43 | 22.92 | <=30  | Pass    |
|                                     |                 | Edge 1RB Right  | 15.99                | 16.63 | 19.33 | 19.81     | 19.62 | 22.73 | <=30  | Pass    |
|                                     |                 | Outer Full      | 16.23                | 16.57 | 19.41 | 20.05     | 19.56 | 22.82 | <=30  | Pass    |
|                                     |                 | Inner Full      | 16.28                | 16.66 | 19.49 | 20.10     | 19.65 | 22.89 | <=30  | Pass    |
|                                     |                 | Inner 1RB Left  | 16.38                | 16.44 | 19.42 | 20.20     | 19.43 | 22.84 | <=30  | Pass    |
|                                     |                 | Inner 1RB Right | 15.96                | 16.54 | 19.27 | 19.78     | 19.53 | 22.67 | <=30  | Pass    |
|                                     | 3750            | Edge 1RB Left   | 16.27                | 16.90 | 19.61 | 20.09     | 19.89 | 23.00 | <=30  | Pass    |
|                                     |                 | Edge 1RB Right  | 16.09                | 14.96 | 18.57 | 19.91     | 17.95 | 22.05 | <=30  | Pass    |
|                                     |                 | Outer Full      | 16.18                | 16.17 | 19.18 | 20.00     | 19.16 | 22.61 | <=30  | Pass    |
|                                     |                 | Inner Full      | 16.11                | 16.33 | 19.23 | 19.93     | 19.32 | 22.65 | <=30  | Pass    |
|                                     |                 | Inner 1RB Left  | 16.27                | 16.99 | 19.66 | 20.09     | 19.98 | 23.05 | <=30  | Pass    |
|                                     |                 | Inner 1RB Right | 16.31                | 14.96 | 18.70 | 20.13     | 17.95 | 22.19 | <=30  | Pass    |
|                                     | 3774.99         | Edge 1RB Left   | 16.27                | 16.76 | 19.53 | 20.09     | 19.75 | 22.93 | <=30  | Pass    |
|                                     |                 | Edge 1RB Right  | 16.16                | 14.36 | 18.36 | 19.98     | 17.35 | 21.87 | <=30  | Pass    |
|                                     |                 | Outer Full      | 16.29                | 15.42 | 18.89 | 20.11     | 18.41 | 22.35 | <=30  | Pass    |
|                                     |                 | Inner Full      | 16.40                | 15.29 | 18.89 | 20.22     | 18.28 | 22.37 | <=30  | Pass    |
|                                     |                 | Inner 1RB Left  | 16.27                | 16.70 | 19.50 | 20.09     | 19.69 | 22.90 | <=30  | Pass    |
|                                     |                 | Inner 1RB Right | 16.10                | 14.52 | 18.39 | 19.92     | 17.51 | 21.89 | <=30  | Pass    |
| CP-OFDM 256 QAM                     | 3725.01         | Edge 1RB Left   | 13.25                | 13.02 | 16.15 | 17.07     | 16.01 | 19.58 | <=30  | Pass    |
|                                     |                 | Edge 1RB Right  | 12.86                | 13.34 | 16.11 | 16.68     | 16.33 | 19.52 | <=30  | Pass    |
|                                     |                 | Outer Full      | 13.19                | 13.60 | 16.41 | 17.01     | 16.59 | 19.82 | <=30  | Pass    |
|                                     |                 | Inner Full      | 13.20                | 13.68 | 16.45 | 17.02     | 16.67 | 19.86 | <=30  | Pass    |
|                                     |                 | Inner 1RB Left  | 13.23                | 13.21 | 16.23 | 17.05     | 16.20 | 19.66 | <=30  | Pass    |
|                                     |                 | Inner 1RB Right | 13.10                | 13.48 | 16.30 | 16.92     | 16.47 | 19.71 | <=30  | Pass    |
|                                     | 3750            | Edge 1RB Left   | 13.12                | 13.88 | 16.53 | 16.94     | 16.87 | 19.92 | <=30  | Pass    |
|                                     |                 | Edge 1RB Right  | 13.23                | 12.04 | 15.68 | 17.05     | 15.03 | 19.17 | <=30  | Pass    |
|                                     |                 | Outer Full      | 13.10                | 13.26 | 16.19 | 16.92     | 16.25 | 19.61 | <=30  | Pass    |
|                                     |                 | Inner Full      | 13.08                | 13.43 | 16.27 | 16.90     | 16.42 | 19.68 | <=30  | Pass    |
|                                     |                 | Inner 1RB Left  | 13.36                | 13.88 | 16.64 | 17.18     | 16.87 | 20.04 | <=30  | Pass    |
|                                     |                 | Inner 1RB Right | 13.28                | 12.03 | 15.71 | 17.10     | 15.02 | 19.19 | <=30  | Pass    |
|                                     | 3774.99         | Edge 1RB Left   | 13.30                | 13.55 | 16.44 | 17.12     | 16.54 | 19.85 | <=30  | Pass    |

|                                                                                                |  |                 |       |       |       |       |       |       |      |      |
|------------------------------------------------------------------------------------------------|--|-----------------|-------|-------|-------|-------|-------|-------|------|------|
|                                                                                                |  | Edge_1RB_Right  | 13.13 | 11.36 | 15.34 | 16.95 | 14.35 | 18.85 | <=30 | Pass |
|                                                                                                |  | Outer_Full      | 13.27 | 12.30 | 15.82 | 17.09 | 15.29 | 19.29 | <=30 | Pass |
|                                                                                                |  | Inner_Full      | 13.34 | 12.24 | 15.84 | 17.16 | 15.23 | 19.31 | <=30 | Pass |
|                                                                                                |  | Inner_1RB_Left  | 13.21 | 13.48 | 16.36 | 17.03 | 16.47 | 19.77 | <=30 | Pass |
|                                                                                                |  | Inner_1RB_Right | 13.20 | 11.45 | 15.42 | 17.02 | 14.44 | 18.93 | <=30 | Pass |
| Note1: Antenna Gain: Ant5: 3.82dBi; Ant2: 2.99dBi;<br>Note2: EIRP=Conducted Power+Antenna Gain |  |                 |       |       |       |       |       |       |      |      |

## 1.14 30k\_MIMO\_60MHz\_NTNV\_EIRP

### 1.14.1 Test Result

| 5G NR n78a SCS=30kHz MIMO 60MHz NTN |                 |                 |                      |       |       |           |       |       |       |         |
|-------------------------------------|-----------------|-----------------|----------------------|-------|-------|-----------|-------|-------|-------|---------|
| Modulation                          | Frequency (MHz) | RB Allocation   | Conducted Power(dBm) |       |       | EIRP(dBm) |       |       |       | Verdict |
|                                     |                 |                 | Ant5                 | Ant2  | Sum   | Ant5      | Ant2  | Sum   | Limit |         |
| CP-OFDM QPSK                        | 3730.02         | Edge_1RB_Left   | 16.75                | 16.75 | 19.76 | 20.57     | 19.74 | 23.19 | <=30  | Pass    |
|                                     |                 | Edge_1RB_Right  | 16.76                | 16.58 | 19.69 | 20.58     | 19.57 | 23.11 | <=30  | Pass    |
|                                     |                 | Outer_Full      | 16.84                | 17.07 | 19.96 | 20.66     | 20.06 | 23.38 | <=30  | Pass    |
|                                     |                 | Inner_Full      | 18.27                | 18.75 | 21.53 | 22.09     | 21.74 | 24.93 | <=30  | Pass    |
|                                     |                 | Inner_1RB_Left  | 18.31                | 18.35 | 21.34 | 22.13     | 21.34 | 24.76 | <=30  | Pass    |
|                                     |                 | Inner_1RB_Right | 18.27                | 18.11 | 21.20 | 22.09     | 21.10 | 24.63 | <=30  | Pass    |
|                                     | 3750            | Edge_1RB_Left   | 16.79                | 17.22 | 20.02 | 20.61     | 20.21 | 23.42 | <=30  | Pass    |
|                                     |                 | Edge_1RB_Right  | 16.60                | 15.35 | 19.03 | 20.42     | 18.34 | 22.51 | <=30  | Pass    |
|                                     |                 | Outer_Full      | 16.52                | 16.54 | 19.54 | 20.34     | 19.53 | 22.96 | <=30  | Pass    |
|                                     |                 | Inner_Full      | 18.04                | 18.29 | 21.18 | 21.86     | 21.28 | 24.59 | <=30  | Pass    |
|                                     |                 | Inner_1RB_Left  | 18.26                | 18.84 | 21.57 | 22.08     | 21.83 | 24.97 | <=30  | Pass    |
|                                     |                 | Inner_1RB_Right | 18.18                | 16.92 | 20.61 | 22.00     | 19.91 | 24.09 | <=30  | Pass    |
|                                     | 3769.98         | Edge_1RB_Left   | 16.22                | 17.00 | 19.64 | 20.04     | 19.99 | 23.03 | <=30  | Pass    |
|                                     |                 | Edge_1RB_Right  | 16.28                | 14.91 | 18.66 | 20.10     | 17.90 | 22.15 | <=30  | Pass    |
|                                     |                 | Outer_Full      | 16.75                | 16.05 | 19.42 | 20.57     | 19.04 | 22.88 | <=30  | Pass    |
|                                     |                 | Inner_Full      | 18.20                | 17.50 | 20.88 | 22.02     | 20.49 | 24.33 | <=30  | Pass    |
|                                     |                 | Inner_1RB_Left  | 18.29                | 18.26 | 21.28 | 22.11     | 21.25 | 24.71 | <=30  | Pass    |
|                                     |                 | Inner_1RB_Right | 18.05                | 17.59 | 20.84 | 21.87     | 20.58 | 24.28 | <=30  | Pass    |
| CP-OFDM 64 QAM                      | 3730.02         | Edge_1RB_Left   | 16.30                | 16.21 | 19.27 | 20.12     | 19.20 | 22.69 | <=30  | Pass    |
|                                     |                 | Edge_1RB_Right  | 16.13                | 16.15 | 19.15 | 19.95     | 19.14 | 22.57 | <=30  | Pass    |
|                                     |                 | Outer_Full      | 16.27                | 16.46 | 19.38 | 20.09     | 19.45 | 22.79 | <=30  | Pass    |
|                                     |                 | Inner_Full      | 16.22                | 16.74 | 19.50 | 20.04     | 19.73 | 22.90 | <=30  | Pass    |
|                                     |                 | Inner_1RB_Left  | 16.29                | 16.44 | 19.37 | 20.11     | 19.43 | 22.79 | <=30  | Pass    |
|                                     |                 | Inner_1RB_Right | 16.27                | 15.86 | 19.08 | 20.09     | 18.85 | 22.52 | <=30  | Pass    |
|                                     | 3750            | Edge_1RB_Left   | 16.43                | 16.67 | 19.56 | 20.25     | 19.66 | 22.98 | <=30  | Pass    |
|                                     |                 | Edge_1RB_Right  | 16.07                | 15.01 | 18.58 | 19.89     | 18.00 | 22.06 | <=30  | Pass    |
|                                     |                 | Outer_Full      | 15.93                | 16.18 | 19.07 | 19.75     | 19.17 | 22.48 | <=30  | Pass    |
|                                     |                 | Inner_Full      | 15.98                | 16.33 | 19.17 | 19.80     | 19.32 | 22.58 | <=30  | Pass    |
|                                     |                 | Inner_1RB_Left  | 16.28                | 16.67 | 19.49 | 20.10     | 19.66 | 22.90 | <=30  | Pass    |
|                                     |                 | Inner_1RB_Right | 15.98                | 14.86 | 18.47 | 19.80     | 17.85 | 21.94 | <=30  | Pass    |
|                                     | 3769.98         | Edge_1RB_Left   | 16.18                | 16.43 | 19.32 | 20.00     | 19.42 | 22.73 | <=30  | Pass    |
|                                     |                 | Edge_1RB_Right  | 16.23                | 15.88 | 19.07 | 20.05     | 18.87 | 22.51 | <=30  | Pass    |
|                                     |                 | Outer_Full      | 16.21                | 16.01 | 19.12 | 20.03     | 19.00 | 22.56 | <=30  | Pass    |
|                                     |                 | Inner_Full      | 16.27                | 15.99 | 19.14 | 20.09     | 18.98 | 22.58 | <=30  | Pass    |
|                                     |                 | Inner_1RB_Left  | 15.99                | 16.52 | 19.27 | 19.81     | 19.51 | 22.67 | <=30  | Pass    |
|                                     |                 | Inner_1RB_Right | 16.19                | 15.81 | 19.01 | 20.01     | 18.80 | 22.46 | <=30  | Pass    |
| CP-OFDM 256 QAM                     | 3730.02         | Edge_1RB_Left   | 13.09                | 13.27 | 16.19 | 16.91     | 16.26 | 19.61 | <=30  | Pass    |
|                                     |                 | Edge_1RB_Right  | 13.25                | 13.22 | 16.24 | 17.07     | 16.21 | 19.67 | <=30  | Pass    |
|                                     |                 | Outer_Full      | 13.10                | 13.57 | 16.35 | 16.92     | 16.56 | 19.75 | <=30  | Pass    |
|                                     |                 | Inner_Full      | 13.25                | 13.72 | 16.50 | 17.07     | 16.71 | 19.90 | <=30  | Pass    |

|                                                                                                |         |                 |       |       |       |       |       |       |      |      |
|------------------------------------------------------------------------------------------------|---------|-----------------|-------|-------|-------|-------|-------|-------|------|------|
|                                                                                                |         | Inner 1RB Left  | 13.19 | 13.31 | 16.26 | 17.01 | 16.30 | 19.68 | <=30 | Pass |
|                                                                                                |         | Inner 1RB Right | 13.31 | 13.09 | 16.21 | 17.13 | 16.08 | 19.65 | <=30 | Pass |
|                                                                                                | 3750    | Edge 1RB Left   | 13.20 | 13.74 | 16.49 | 17.02 | 16.73 | 19.89 | <=30 | Pass |
|                                                                                                |         | Edge 1RB Right  | 13.16 | 11.70 | 15.50 | 16.98 | 14.69 | 18.99 | <=30 | Pass |
|                                                                                                |         | Outer Full      | 13.02 | 13.18 | 16.11 | 16.84 | 16.17 | 19.53 | <=30 | Pass |
|                                                                                                |         | Inner Full      | 13.04 | 13.30 | 16.18 | 16.86 | 16.29 | 19.59 | <=30 | Pass |
|                                                                                                |         | Inner 1RB Left  | 13.40 | 13.68 | 16.56 | 17.22 | 16.67 | 19.96 | <=30 | Pass |
|                                                                                                |         | Inner 1RB Right | 13.20 | 11.86 | 15.59 | 17.02 | 14.85 | 19.08 | <=30 | Pass |
|                                                                                                | 3769.98 | Edge 1RB Left   | 13.17 | 13.42 | 16.31 | 16.99 | 16.41 | 19.72 | <=30 | Pass |
|                                                                                                |         | Edge 1RB Right  | 13.09 | 12.99 | 16.05 | 16.91 | 15.98 | 19.48 | <=30 | Pass |
|                                                                                                |         | Outer Full      | 13.21 | 12.95 | 16.09 | 17.03 | 15.94 | 19.53 | <=30 | Pass |
|                                                                                                |         | Inner Full      | 13.32 | 12.94 | 16.15 | 17.14 | 15.93 | 19.59 | <=30 | Pass |
|                                                                                                |         | Inner 1RB Left  | 12.96 | 13.43 | 16.21 | 16.78 | 16.42 | 19.61 | <=30 | Pass |
|                                                                                                |         | Inner 1RB Right | 13.18 | 12.97 | 16.09 | 17.00 | 15.96 | 19.52 | <=30 | Pass |
| Note1: Antenna Gain: Ant5: 3.82dBi; Ant2: 2.99dBi;<br>Note2: EIRP=Conducted Power+Antenna Gain |         |                 |       |       |       |       |       |       |      |      |

## 1.15 30k\_MIMO\_70MHz\_NTNV\_EIRP

### 1.15.1 Test Result

| 5G NR n78a SCS=30kHz MIMO 70MHz NTNV |                 |                 |                      |       |       |           |       |       |       |         |
|--------------------------------------|-----------------|-----------------|----------------------|-------|-------|-----------|-------|-------|-------|---------|
| Modulation                           | Frequency (MHz) | RB Allocation   | Conducted Power(dBm) |       |       | EIRP(dBm) |       |       |       | Verdict |
|                                      |                 |                 | Ant5                 | Ant2  | Sum   | Ant5      | Ant2  | Sum   | Limit |         |
| CP-OFDM QPSK                         | 3735            | Edge 1RB Left   | 16.80                | 16.68 | 19.75 | 20.62     | 19.67 | 23.18 | <=30  | Pass    |
|                                      |                 | Edge 1RB Right  | 16.90                | 16.67 | 19.80 | 20.72     | 19.66 | 23.23 | <=30  | Pass    |
|                                      |                 | Outer Full      | 16.87                | 16.92 | 19.91 | 20.69     | 19.91 | 23.33 | <=30  | Pass    |
|                                      |                 | Inner Full      | 18.24                | 18.41 | 21.33 | 22.06     | 21.40 | 24.75 | <=30  | Pass    |
|                                      |                 | Inner 1RB Left  | 18.55                | 18.28 | 21.43 | 22.37     | 21.27 | 24.87 | <=30  | Pass    |
|                                      |                 | Inner 1RB Right | 18.45                | 18.16 | 21.32 | 22.27     | 21.15 | 24.76 | <=30  | Pass    |
|                                      | 3750            | Edge 1RB Left   | 16.82                | 16.83 | 19.83 | 20.64     | 19.82 | 23.26 | <=30  | Pass    |
|                                      |                 | Edge 1RB Right  | 16.38                | 16.08 | 19.24 | 20.20     | 19.07 | 22.68 | <=30  | Pass    |
|                                      |                 | Outer Full      | 16.50                | 16.61 | 19.57 | 20.32     | 19.60 | 22.99 | <=30  | Pass    |
|                                      |                 | Inner Full      | 17.91                | 18.13 | 21.04 | 21.73     | 21.12 | 24.45 | <=30  | Pass    |
|                                      |                 | Inner 1RB Left  | 18.36                | 18.48 | 21.43 | 22.18     | 21.47 | 24.85 | <=30  | Pass    |
|                                      |                 | Inner 1RB Right | 18.04                | 17.60 | 20.84 | 21.86     | 20.59 | 24.28 | <=30  | Pass    |
|                                      | 3765            | Edge 1RB Left   | 16.33                | 16.55 | 19.45 | 20.15     | 19.54 | 22.87 | <=30  | Pass    |
|                                      |                 | Edge 1RB Right  | 16.32                | 15.94 | 19.15 | 20.14     | 18.93 | 22.59 | <=30  | Pass    |
|                                      |                 | Outer Full      | 16.72                | 16.59 | 19.67 | 20.54     | 19.58 | 23.10 | <=30  | Pass    |
|                                      |                 | Inner Full      | 18.23                | 18.06 | 21.15 | 22.05     | 21.05 | 24.59 | <=30  | Pass    |
|                                      |                 | Inner 1RB Left  | 18.27                | 18.42 | 21.35 | 22.09     | 21.41 | 24.77 | <=30  | Pass    |
|                                      |                 | Inner 1RB Right | 18.02                | 17.87 | 20.96 | 21.84     | 20.86 | 24.39 | <=30  | Pass    |
| CP-OFDM 64 QAM                       | 3735            | Edge 1RB Left   | 16.37                | 16.22 | 19.31 | 20.19     | 19.21 | 22.74 | <=30  | Pass    |
|                                      |                 | Edge 1RB Right  | 16.32                | 16.09 | 19.21 | 20.14     | 19.08 | 22.65 | <=30  | Pass    |
|                                      |                 | Outer Full      | 16.22                | 16.53 | 19.39 | 20.04     | 19.52 | 22.80 | <=30  | Pass    |
|                                      |                 | Inner Full      | 16.13                | 16.36 | 19.25 | 19.95     | 19.35 | 22.67 | <=30  | Pass    |
|                                      |                 | Inner 1RB Left  | 16.26                | 16.23 | 19.26 | 20.08     | 19.22 | 22.68 | <=30  | Pass    |
|                                      |                 | Inner 1RB Right | 16.41                | 16.13 | 19.29 | 20.23     | 19.12 | 22.72 | <=30  | Pass    |
|                                      | 3750            | Edge 1RB Left   | 16.29                | 16.35 | 19.33 | 20.11     | 19.34 | 22.75 | <=30  | Pass    |
|                                      |                 | Edge 1RB Right  | 15.75                | 15.68 | 18.73 | 19.57     | 18.67 | 22.15 | <=30  | Pass    |
|                                      |                 | Outer Full      | 16.02                | 15.93 | 18.99 | 19.84     | 18.92 | 22.41 | <=30  | Pass    |
|                                      |                 | Inner Full      | 15.94                | 16.19 | 19.08 | 19.76     | 19.18 | 22.49 | <=30  | Pass    |
|                                      |                 | Inner 1RB Left  | 16.46                | 16.50 | 19.49 | 20.28     | 19.49 | 22.91 | <=30  | Pass    |
|                                      |                 | Inner 1RB Right | 15.92                | 15.56 | 18.75 | 19.74     | 18.55 | 22.20 | <=30  | Pass    |
|                                      | 3765            | Edge 1RB Left   | 16.34                | 16.34 | 19.35 | 20.16     | 19.33 | 22.78 | <=30  | Pass    |

|                    |                                                                                                |                 |       |       |       |       |       |       |      |      |
|--------------------|------------------------------------------------------------------------------------------------|-----------------|-------|-------|-------|-------|-------|-------|------|------|
|                    |                                                                                                | Edge_1RB_Right  | 16.17 | 15.86 | 19.03 | 19.99 | 18.85 | 22.47 | <=30 | Pass |
|                    |                                                                                                | Outer_Full      | 16.21 | 15.96 | 19.10 | 20.03 | 18.95 | 22.53 | <=30 | Pass |
|                    |                                                                                                | Inner_Full      | 16.24 | 16.07 | 19.17 | 20.06 | 19.06 | 22.60 | <=30 | Pass |
|                    |                                                                                                | Inner_1RB_Left  | 16.35 | 16.49 | 19.43 | 20.17 | 19.48 | 22.85 | <=30 | Pass |
|                    |                                                                                                | Inner_1RB_Right | 16.25 | 15.93 | 19.10 | 20.07 | 18.92 | 22.54 | <=30 | Pass |
| CP-OFDM 256<br>QAM | 3735                                                                                           | Edge_1RB_Left   | 13.37 | 13.07 | 16.23 | 17.19 | 16.06 | 19.67 | <=30 | Pass |
|                    |                                                                                                | Edge_1RB_Right  | 13.22 | 13.15 | 16.20 | 17.04 | 16.14 | 19.62 | <=30 | Pass |
|                    |                                                                                                | Outer_Full      | 13.31 | 13.26 | 16.30 | 17.13 | 16.25 | 19.72 | <=30 | Pass |
|                    |                                                                                                | Inner_Full      | 13.15 | 13.29 | 16.23 | 16.97 | 16.28 | 19.65 | <=30 | Pass |
|                    |                                                                                                | Inner_1RB_Left  | 13.33 | 12.96 | 16.16 | 17.15 | 15.95 | 19.60 | <=30 | Pass |
|                    | 3750                                                                                           | Inner_1RB_Right | 13.31 | 13.18 | 16.26 | 17.13 | 16.17 | 19.69 | <=30 | Pass |
|                    |                                                                                                | Edge_1RB_Left   | 13.17 | 13.15 | 16.17 | 16.99 | 16.14 | 19.60 | <=30 | Pass |
|                    |                                                                                                | Edge_1RB_Right  | 13.04 | 12.61 | 15.84 | 16.86 | 15.60 | 19.29 | <=30 | Pass |
|                    |                                                                                                | Outer_Full      | 13.00 | 13.19 | 16.11 | 16.82 | 16.18 | 19.52 | <=30 | Pass |
|                    |                                                                                                | Inner_Full      | 12.95 | 13.23 | 16.11 | 16.77 | 16.22 | 19.51 | <=30 | Pass |
|                    | 3765                                                                                           | Inner_1RB_Left  | 13.27 | 13.39 | 16.34 | 17.09 | 16.38 | 19.76 | <=30 | Pass |
|                    |                                                                                                | Inner_1RB_Right | 13.02 | 12.46 | 15.76 | 16.84 | 15.45 | 19.21 | <=30 | Pass |
|                    |                                                                                                | Edge_1RB_Left   | 13.09 | 13.46 | 16.29 | 16.91 | 16.45 | 19.70 | <=30 | Pass |
|                    |                                                                                                | Edge_1RB_Right  | 13.29 | 12.94 | 16.13 | 17.11 | 15.93 | 19.57 | <=30 | Pass |
|                    |                                                                                                | Outer_Full      | 13.16 | 13.08 | 16.13 | 16.98 | 16.07 | 19.56 | <=30 | Pass |
|                    |                                                                                                | Inner_Full      | 13.21 | 13.09 | 16.16 | 17.03 | 16.08 | 19.59 | <=30 | Pass |
|                    |                                                                                                | Inner_1RB_Left  | 13.13 | 13.43 | 16.30 | 16.95 | 16.42 | 19.70 | <=30 | Pass |
|                    | Inner_1RB_Right                                                                                | 13.23           | 13.02 | 16.13 | 17.05 | 16.01 | 19.57 | <=30  | Pass |      |
|                    | Note1: Antenna Gain: Ant5: 3.82dBi; Ant2: 2.99dBi;<br>Note2: EIRP=Conducted Power+Antenna Gain |                 |       |       |       |       |       |       |      |      |

## 1.16 30k\_MIMO\_80MHz\_NTNV\_EIRP

### 1.16.1 Test Result

| 5G NR n78a SCS=30kHz MIMO 80MHz NTN |                 |                 |                      |       |       |           |       |       |       |         |
|-------------------------------------|-----------------|-----------------|----------------------|-------|-------|-----------|-------|-------|-------|---------|
| Modulation                          | Frequency (MHz) | RB Allocation   | Conducted Power(dBm) |       |       | EIRP(dBm) |       |       |       | Verdict |
|                                     |                 |                 | Ant5                 | Ant2  | Sum   | Ant5      | Ant2  | Sum   | Limit |         |
| CP-OFDM QPSK                        | 3740.01         | Edge_1RB_Left   | 16.97                | 16.86 | 19.92 | 20.79     | 19.85 | 23.36 | <=30  | Pass    |
|                                     |                 | Edge_1RB_Right  | 16.96                | 16.27 | 19.64 | 20.78     | 19.26 | 23.10 | <=30  | Pass    |
|                                     |                 | Outer_Full      | 16.89                | 16.99 | 19.95 | 20.71     | 19.98 | 23.37 | <=30  | Pass    |
|                                     |                 | Inner_Full      | 18.26                | 18.55 | 21.42 | 22.08     | 21.54 | 24.83 | <=30  | Pass    |
|                                     |                 | Inner_1RB_Left  | 18.60                | 18.38 | 21.50 | 22.42     | 21.37 | 24.94 | <=30  | Pass    |
|                                     |                 | Inner_1RB_Right | 18.41                | 17.96 | 21.20 | 22.23     | 20.95 | 24.65 | <=30  | Pass    |
|                                     | 3750            | Edge_1RB_Left   | 17.08                | 16.89 | 19.99 | 20.90     | 19.88 | 23.43 | <=30  | Pass    |
|                                     |                 | Edge_1RB_Right  | 16.62                | 16.13 | 19.39 | 20.44     | 19.12 | 22.84 | <=30  | Pass    |
|                                     |                 | Outer_Full      | 16.78                | 16.64 | 19.72 | 20.60     | 19.63 | 23.15 | <=30  | Pass    |
|                                     |                 | Inner_Full      | 18.20                | 18.19 | 21.20 | 22.02     | 21.18 | 24.63 | <=30  | Pass    |
|                                     |                 | Inner_1RB_Left  | 18.56                | 18.39 | 21.49 | 22.38     | 21.38 | 24.92 | <=30  | Pass    |
|                                     |                 | Inner_1RB_Right | 18.22                | 17.64 | 20.95 | 22.04     | 20.63 | 24.40 | <=30  | Pass    |
|                                     | 3759.99         | Edge_1RB_Left   | 16.97                | 17.11 | 20.05 | 20.79     | 20.10 | 23.47 | <=30  | Pass    |
|                                     |                 | Edge_1RB_Right  | 16.69                | 16.08 | 19.40 | 20.51     | 19.07 | 22.86 | <=30  | Pass    |
|                                     |                 | Outer_Full      | 16.81                | 16.50 | 19.67 | 20.63     | 19.49 | 23.11 | <=30  | Pass    |
|                                     |                 | Inner_Full      | 18.32                | 18.12 | 21.23 | 22.14     | 21.11 | 24.67 | <=30  | Pass    |
|                                     |                 | Inner_1RB_Left  | 18.73                | 18.70 | 21.72 | 22.55     | 21.69 | 25.15 | <=30  | Pass    |
|                                     |                 | Inner_1RB_Right | 18.37                | 17.96 | 21.18 | 22.19     | 20.95 | 24.62 | <=30  | Pass    |
| CP-OFDM 64 QAM                      | 3740.01         | Edge_1RB_Left   | 16.61                | 16.54 | 19.59 | 20.43     | 19.53 | 23.01 | <=30  | Pass    |
|                                     |                 | Edge_1RB_Right  | 16.42                | 15.71 | 19.09 | 20.24     | 18.70 | 22.55 | <=30  | Pass    |
|                                     |                 | Outer_Full      | 16.36                | 16.48 | 19.43 | 20.18     | 19.47 | 22.85 | <=30  | Pass    |
|                                     |                 | Inner_Full      | 16.26                | 16.48 | 19.38 | 20.08     | 19.47 | 22.80 | <=30  | Pass    |

|                                                                                                |         |                 |       |       |       |       |       |       |      |      |
|------------------------------------------------------------------------------------------------|---------|-----------------|-------|-------|-------|-------|-------|-------|------|------|
|                                                                                                |         | Inner_1RB_Left  | 16.54 | 16.57 | 19.57 | 20.36 | 19.56 | 22.99 | <=30 | Pass |
|                                                                                                |         | Inner_1RB_Right | 16.47 | 15.92 | 19.22 | 20.29 | 18.91 | 22.66 | <=30 | Pass |
|                                                                                                | 3750    | Edge_1RB_Left   | 16.57 | 16.41 | 19.50 | 20.39 | 19.40 | 22.93 | <=30 | Pass |
|                                                                                                |         | Edge_1RB_Right  | 16.19 | 15.60 | 18.92 | 20.01 | 18.59 | 22.37 | <=30 | Pass |
|                                                                                                |         | Outer_Full      | 16.32 | 16.10 | 19.22 | 20.14 | 19.09 | 22.66 | <=30 | Pass |
|                                                                                                |         | Inner_Full      | 16.22 | 16.26 | 19.25 | 20.04 | 19.25 | 22.67 | <=30 | Pass |
|                                                                                                |         | Inner_1RB_Left  | 16.66 | 16.31 | 19.50 | 20.48 | 19.30 | 22.94 | <=30 | Pass |
|                                                                                                |         | Inner_1RB_Right | 16.19 | 15.63 | 18.93 | 20.01 | 18.62 | 22.38 | <=30 | Pass |
|                                                                                                | 3759.99 | Edge_1RB_Left   | 16.66 | 16.69 | 19.69 | 20.48 | 19.68 | 23.11 | <=30 | Pass |
|                                                                                                |         | Edge_1RB_Right  | 16.34 | 16.00 | 19.18 | 20.16 | 18.99 | 22.62 | <=30 | Pass |
|                                                                                                |         | Outer_Full      | 16.34 | 16.34 | 19.35 | 20.16 | 19.33 | 22.78 | <=30 | Pass |
|                                                                                                |         | Inner_Full      | 16.28 | 16.20 | 19.25 | 20.10 | 19.19 | 22.68 | <=30 | Pass |
|                                                                                                |         | Inner_1RB_Left  | 16.85 | 16.78 | 19.83 | 20.67 | 19.77 | 23.25 | <=30 | Pass |
|                                                                                                |         | Inner_1RB_Right | 16.21 | 15.94 | 19.09 | 20.03 | 18.93 | 22.53 | <=30 | Pass |
| CP-OFDM 256<br>QAM                                                                             | 3740.01 | Edge_1RB_Left   | 13.52 | 13.22 | 16.39 | 17.34 | 16.21 | 19.82 | <=30 | Pass |
|                                                                                                |         | Edge_1RB_Right  | 13.27 | 12.87 | 16.08 | 17.09 | 15.86 | 19.53 | <=30 | Pass |
|                                                                                                |         | Outer_Full      | 13.24 | 13.53 | 16.40 | 17.06 | 16.52 | 19.81 | <=30 | Pass |
|                                                                                                |         | Inner_Full      | 13.27 | 13.41 | 16.36 | 17.09 | 16.40 | 19.77 | <=30 | Pass |
|                                                                                                |         | Inner_1RB_Left  | 13.55 | 13.24 | 16.41 | 17.37 | 16.23 | 19.85 | <=30 | Pass |
|                                                                                                |         | Inner_1RB_Right | 13.42 | 12.74 | 16.10 | 17.24 | 15.73 | 19.56 | <=30 | Pass |
|                                                                                                | 3750    | Edge_1RB_Left   | 13.57 | 13.47 | 16.53 | 17.39 | 16.46 | 19.96 | <=30 | Pass |
|                                                                                                |         | Edge_1RB_Right  | 13.04 | 12.62 | 15.85 | 16.86 | 15.61 | 19.29 | <=30 | Pass |
|                                                                                                |         | Outer_Full      | 13.25 | 13.18 | 16.23 | 17.07 | 16.17 | 19.65 | <=30 | Pass |
|                                                                                                |         | Inner_Full      | 13.16 | 13.25 | 16.21 | 16.98 | 16.24 | 19.64 | <=30 | Pass |
|                                                                                                |         | Inner_1RB_Left  | 13.38 | 13.35 | 16.38 | 17.20 | 16.34 | 19.80 | <=30 | Pass |
|                                                                                                |         | Inner_1RB_Right | 13.21 | 12.51 | 15.88 | 17.03 | 15.50 | 19.34 | <=30 | Pass |
|                                                                                                | 3759.99 | Edge_1RB_Left   | 13.63 | 13.65 | 16.65 | 17.45 | 16.64 | 20.07 | <=30 | Pass |
|                                                                                                |         | Edge_1RB_Right  | 13.30 | 12.86 | 16.09 | 17.12 | 15.85 | 19.54 | <=30 | Pass |
|                                                                                                |         | Outer_Full      | 13.27 | 13.18 | 16.24 | 17.09 | 16.17 | 19.66 | <=30 | Pass |
|                                                                                                |         | Inner_Full      | 13.28 | 13.22 | 16.26 | 17.10 | 16.21 | 19.69 | <=30 | Pass |
|                                                                                                |         | Inner_1RB_Left  | 13.71 | 13.73 | 16.73 | 17.53 | 16.72 | 20.15 | <=30 | Pass |
|                                                                                                |         | Inner_1RB_Right | 13.34 | 12.92 | 16.14 | 17.16 | 15.91 | 19.59 | <=30 | Pass |
| Note1: Antenna Gain: Ant5: 3.82dBi; Ant2: 2.99dBi;<br>Note2: EIRP=Conducted Power+Antenna Gain |         |                 |       |       |       |       |       |       |      |      |

## 1.17 30k\_MIMO\_90MHz\_NTNV\_EIRP

### 1.17.1 Test Result

| 5G NR n78a SCS=30kHz MIMO 90MHz NTN |                 |                 |                      |       |       |           |       |       |       |         |
|-------------------------------------|-----------------|-----------------|----------------------|-------|-------|-----------|-------|-------|-------|---------|
| Modulation                          | Frequency (MHz) | RB Allocation   | Conducted Power(dBm) |       |       | EIRP(dBm) |       |       |       | Verdict |
|                                     |                 |                 | Ant5                 | Ant2  | Sum   | Ant5      | Ant2  | Sum   | Limit |         |
| CP-OFDM QPSK                        | 3745.02         | Edge 1RB Left   | 16.89                | 16.74 | 19.82 | 20.71     | 19.73 | 23.26 | <=30  | Pass    |
|                                     |                 | Edge 1RB Right  | 16.80                | 16.48 | 19.66 | 20.62     | 19.47 | 23.09 | <=30  | Pass    |
|                                     |                 | Outer Full      | 16.86                | 16.81 | 19.85 | 20.68     | 19.80 | 23.27 | <=30  | Pass    |
|                                     |                 | Inner Full      | 18.26                | 18.64 | 21.47 | 22.08     | 21.63 | 24.87 | <=30  | Pass    |
|                                     |                 | Inner 1RB Left  | 18.69                | 18.53 | 21.62 | 22.51     | 21.52 | 25.05 | <=30  | Pass    |
|                                     |                 | Inner 1RB Right | 18.32                | 16.98 | 20.71 | 22.14     | 19.97 | 24.20 | <=30  | Pass    |
|                                     | 3750            | Edge 1RB Left   | 17.15                | 17.01 | 20.09 | 20.97     | 20.00 | 23.52 | <=30  | Pass    |
|                                     |                 | Edge 1RB Right  | 16.51                | 16.31 | 19.42 | 20.33     | 19.30 | 22.86 | <=30  | Pass    |
|                                     |                 | Outer Full      | 16.80                | 16.71 | 19.77 | 20.62     | 19.70 | 23.19 | <=30  | Pass    |
|                                     |                 | Inner Full      | 18.18                | 18.27 | 21.24 | 22.00     | 21.26 | 24.66 | <=30  | Pass    |
|                                     |                 | Inner 1RB Left  | 18.60                | 18.48 | 21.55 | 22.42     | 21.47 | 24.98 | <=30  | Pass    |
|                                     |                 | Inner 1RB Right | 18.10                | 17.78 | 20.95 | 21.92     | 20.77 | 24.39 | <=30  | Pass    |
|                                     | 3754.98         | Edge 1RB Left   | 17.16                | 17.08 | 20.13 | 20.98     | 20.07 | 23.56 | <=30  | Pass    |
|                                     |                 | Edge 1RB Right  | 16.57                | 16.26 | 19.43 | 20.39     | 19.25 | 22.87 | <=30  | Pass    |
|                                     |                 | Outer Full      | 16.96                | 16.97 | 19.97 | 20.78     | 19.96 | 23.40 | <=30  | Pass    |
|                                     |                 | Inner Full      | 18.44                | 18.56 | 21.51 | 22.26     | 21.55 | 24.93 | <=30  | Pass    |
|                                     |                 | Inner 1RB Left  | 18.83                | 18.74 | 21.80 | 22.65     | 21.73 | 25.22 | <=30  | Pass    |
|                                     |                 | Inner 1RB Right | 18.30                | 18.02 | 21.17 | 22.12     | 21.01 | 24.61 | <=30  | Pass    |
| CP-OFDM 64 QAM                      | 3745.02         | Edge 1RB Left   | 16.62                | 16.76 | 19.70 | 20.44     | 19.75 | 23.12 | <=30  | Pass    |
|                                     |                 | Edge 1RB Right  | 16.23                | 15.98 | 19.12 | 20.05     | 18.97 | 22.55 | <=30  | Pass    |
|                                     |                 | Outer Full      | 16.25                | 16.40 | 19.34 | 20.07     | 19.39 | 22.75 | <=30  | Pass    |
|                                     |                 | Inner Full      | 16.24                | 16.51 | 19.39 | 20.06     | 19.50 | 22.80 | <=30  | Pass    |
|                                     |                 | Inner 1RB Left  | 16.70                | 16.59 | 19.66 | 20.52     | 19.58 | 23.09 | <=30  | Pass    |
|                                     |                 | Inner 1RB Right | 16.42                | 15.93 | 19.19 | 20.24     | 18.92 | 22.64 | <=30  | Pass    |
|                                     | 3750            | Edge 1RB Left   | 16.61                | 16.57 | 19.60 | 20.43     | 19.56 | 23.03 | <=30  | Pass    |
|                                     |                 | Edge 1RB Right  | 16.21                | 15.75 | 19.00 | 20.03     | 18.74 | 22.44 | <=30  | Pass    |
|                                     |                 | Outer Full      | 16.33                | 16.29 | 19.32 | 20.15     | 19.28 | 22.75 | <=30  | Pass    |
|                                     |                 | Inner Full      | 16.21                | 16.30 | 19.26 | 20.03     | 19.29 | 22.69 | <=30  | Pass    |
|                                     |                 | Inner 1RB Left  | 16.55                | 16.79 | 19.68 | 20.37     | 19.78 | 23.10 | <=30  | Pass    |
|                                     |                 | Inner 1RB Right | 16.14                | 15.90 | 19.03 | 19.96     | 18.89 | 22.47 | <=30  | Pass    |
|                                     | 3754.98         | Edge 1RB Left   | 16.98                | 16.88 | 19.94 | 20.80     | 19.87 | 23.37 | <=30  | Pass    |
|                                     |                 | Edge 1RB Right  | 16.14                | 15.16 | 18.69 | 19.96     | 18.15 | 22.16 | <=30  | Pass    |
|                                     |                 | Outer Full      | 16.45                | 16.32 | 19.40 | 20.27     | 19.31 | 22.83 | <=30  | Pass    |
|                                     |                 | Inner Full      | 16.44                | 16.50 | 19.48 | 20.26     | 19.49 | 22.90 | <=30  | Pass    |
|                                     |                 | Inner 1RB Left  | 16.88                | 16.93 | 19.91 | 20.70     | 19.92 | 23.34 | <=30  | Pass    |
|                                     |                 | Inner 1RB Right | 16.30                | 14.67 | 18.57 | 20.12     | 17.66 | 22.07 | <=30  | Pass    |
| CP-OFDM 256 QAM                     | 3745.02         | Edge 1RB Left   | 13.53                | 13.40 | 16.48 | 17.35     | 16.39 | 19.91 | <=30  | Pass    |
|                                     |                 | Edge 1RB Right  | 13.12                | 12.97 | 16.06 | 16.94     | 15.96 | 19.49 | <=30  | Pass    |
|                                     |                 | Outer Full      | 13.43                | 13.35 | 16.40 | 17.25     | 16.34 | 19.83 | <=30  | Pass    |
|                                     |                 | Inner Full      | 13.26                | 13.47 | 16.38 | 17.08     | 16.46 | 19.79 | <=30  | Pass    |
|                                     |                 | Inner 1RB Left  | 13.56                | 13.38 | 16.48 | 17.38     | 16.37 | 19.91 | <=30  | Pass    |
|                                     |                 | Inner 1RB Right | 13.28                | 12.97 | 16.14 | 17.10     | 15.96 | 19.58 | <=30  | Pass    |
|                                     | 3750            | Edge 1RB Left   | 13.36                | 13.43 | 16.40 | 17.18     | 16.42 | 19.83 | <=30  | Pass    |
|                                     |                 | Edge 1RB Right  | 13.07                | 12.87 | 15.98 | 16.89     | 15.86 | 19.42 | <=30  | Pass    |
|                                     |                 | Outer Full      | 13.25                | 13.24 | 16.25 | 17.07     | 16.23 | 19.68 | <=30  | Pass    |
|                                     |                 | Inner Full      | 13.19                | 13.28 | 16.25 | 17.01     | 16.27 | 19.67 | <=30  | Pass    |
|                                     |                 | Inner 1RB Left  | 13.42                | 13.49 | 16.46 | 17.24     | 16.48 | 19.89 | <=30  | Pass    |
|                                     |                 | Inner 1RB Right | 13.12                | 12.62 | 15.89 | 16.94     | 15.61 | 19.34 | <=30  | Pass    |
|                                     | 3754.98         | Edge 1RB Left   | 13.49                | 13.94 | 16.73 | 17.31     | 16.93 | 20.13 | <=30  | Pass    |

|                                                                                                |  |                 |       |       |       |       |       |       |      |      |
|------------------------------------------------------------------------------------------------|--|-----------------|-------|-------|-------|-------|-------|-------|------|------|
|                                                                                                |  | Edge_1RB_Right  | 13.18 | 12.00 | 15.64 | 17.00 | 14.99 | 19.12 | <=30 | Pass |
|                                                                                                |  | Outer_Full      | 13.57 | 13.22 | 16.41 | 17.39 | 16.21 | 19.85 | <=30 | Pass |
|                                                                                                |  | Inner_Full      | 13.37 | 13.40 | 16.40 | 17.19 | 16.39 | 19.82 | <=30 | Pass |
|                                                                                                |  | Inner_1RB_Left  | 13.77 | 13.80 | 16.79 | 17.59 | 16.79 | 20.22 | <=30 | Pass |
|                                                                                                |  | Inner_1RB_Right | 13.30 | 11.87 | 15.66 | 17.12 | 14.86 | 19.15 | <=30 | Pass |
| Note1: Antenna Gain: Ant5: 3.82dBi; Ant2: 2.99dBi;<br>Note2: EIRP=Conducted Power+Antenna Gain |  |                 |       |       |       |       |       |       |      |      |

## 1.18 30k\_MIMO\_100MHz\_NTNV\_EIRP

### 1.18.1 Test Result

| 5G NR n78a SCS=30kHz MIMO 100MHz NTN |                 |                 |                      |       |       |           |       |       |       |         |
|--------------------------------------|-----------------|-----------------|----------------------|-------|-------|-----------|-------|-------|-------|---------|
| Modulation                           | Frequency (MHz) | RB Allocation   | Conducted Power(dBm) |       |       | EIRP(dBm) |       |       |       | Verdict |
|                                      |                 |                 | Ant5                 | Ant2  | Sum   | Ant5      | Ant2  | Sum   | Limit |         |
| CP-OFDM QPSK                         | 3750            | Edge_1RB_Left   | 17.03                | 17.13 | 20.09 | 20.85     | 20.12 | 23.51 | <=30  | Pass    |
|                                      |                 | Edge_1RB_Right  | 16.90                | 16.53 | 19.73 | 20.72     | 19.52 | 23.17 | <=30  | Pass    |
|                                      |                 | Outer_Full      | 17.00                | 16.96 | 19.99 | 20.82     | 19.95 | 23.42 | <=30  | Pass    |
|                                      |                 | Inner_Full      | 18.40                | 18.58 | 21.50 | 22.22     | 21.57 | 24.92 | <=30  | Pass    |
|                                      |                 | Inner_1RB_Left  | 18.81                | 18.58 | 21.71 | 22.63     | 21.57 | 25.14 | <=30  | Pass    |
|                                      |                 | Inner_1RB_Right | 18.41                | 18.09 | 21.26 | 22.23     | 21.08 | 24.70 | <=30  | Pass    |
|                                      | 3750            | Edge_1RB_Left   | 17.22                | 17.12 | 20.18 | 21.04     | 20.11 | 23.61 | <=30  | Pass    |
|                                      |                 | Edge_1RB_Right  | 16.85                | 16.55 | 19.71 | 20.67     | 19.54 | 23.15 | <=30  | Pass    |
|                                      |                 | Outer_Full      | 16.95                | 16.94 | 19.96 | 20.77     | 19.93 | 23.38 | <=30  | Pass    |
|                                      |                 | Inner_Full      | 18.33                | 18.44 | 21.39 | 22.15     | 21.43 | 24.82 | <=30  | Pass    |
|                                      |                 | Inner_1RB_Left  | 18.80                | 18.66 | 21.74 | 22.62     | 21.65 | 25.17 | <=30  | Pass    |
|                                      |                 | Inner_1RB_Right | 18.32                | 18.10 | 21.22 | 22.14     | 21.09 | 24.66 | <=30  | Pass    |
|                                      | 3750            | Edge_1RB_Left   | 17.16                | 17.11 | 20.15 | 20.98     | 20.10 | 23.57 | <=30  | Pass    |
|                                      |                 | Edge_1RB_Right  | 16.80                | 16.54 | 19.68 | 20.62     | 19.53 | 23.12 | <=30  | Pass    |
|                                      |                 | Outer_Full      | 17.00                | 17.02 | 20.02 | 20.82     | 20.01 | 23.44 | <=30  | Pass    |
|                                      |                 | Inner_Full      | 18.43                | 18.59 | 21.52 | 22.25     | 21.58 | 24.94 | <=30  | Pass    |
|                                      |                 | Inner_1RB_Left  | 18.97                | 18.77 | 21.88 | 22.79     | 21.76 | 25.32 | <=30  | Pass    |
|                                      |                 | Inner_1RB_Right | 18.36                | 18.18 | 21.28 | 22.18     | 21.17 | 24.71 | <=30  | Pass    |
| CP-OFDM 64 QAM                       | 3750            | Edge_1RB_Left   | 16.79                | 16.81 | 19.81 | 20.61     | 19.80 | 23.23 | <=30  | Pass    |
|                                      |                 | Edge_1RB_Right  | 16.53                | 16.26 | 19.40 | 20.35     | 19.25 | 22.85 | <=30  | Pass    |
|                                      |                 | Outer_Full      | 16.54                | 16.54 | 19.55 | 20.36     | 19.53 | 22.98 | <=30  | Pass    |
|                                      |                 | Inner_Full      | 16.44                | 16.56 | 19.51 | 20.26     | 19.55 | 22.93 | <=30  | Pass    |
|                                      |                 | Inner_1RB_Left  | 16.82                | 16.80 | 19.82 | 20.64     | 19.79 | 23.25 | <=30  | Pass    |
|                                      |                 | Inner_1RB_Right | 16.59                | 16.14 | 19.38 | 20.41     | 19.13 | 22.83 | <=30  | Pass    |
|                                      | 3750            | Edge_1RB_Left   | 16.82                | 16.82 | 19.83 | 20.64     | 19.81 | 23.26 | <=30  | Pass    |
|                                      |                 | Edge_1RB_Right  | 16.50                | 16.14 | 19.33 | 20.32     | 19.13 | 22.78 | <=30  | Pass    |
|                                      |                 | Outer_Full      | 16.37                | 16.46 | 19.42 | 20.19     | 19.45 | 22.85 | <=30  | Pass    |
|                                      |                 | Inner_Full      | 16.35                | 16.50 | 19.44 | 20.17     | 19.49 | 22.85 | <=30  | Pass    |
|                                      |                 | Inner_1RB_Left  | 16.83                | 16.68 | 19.77 | 20.65     | 19.67 | 23.20 | <=30  | Pass    |
|                                      |                 | Inner_1RB_Right | 16.38                | 16.15 | 19.28 | 20.20     | 19.14 | 22.71 | <=30  | Pass    |
|                                      | 3750            | Edge_1RB_Left   | 16.85                | 16.78 | 19.82 | 20.67     | 19.77 | 23.25 | <=30  | Pass    |
|                                      |                 | Edge_1RB_Right  | 16.31                | 16.27 | 19.30 | 20.13     | 19.26 | 22.73 | <=30  | Pass    |
|                                      |                 | Outer_Full      | 16.44                | 16.63 | 19.54 | 20.26     | 19.62 | 22.96 | <=30  | Pass    |
|                                      |                 | Inner_Full      | 16.46                | 16.59 | 19.54 | 20.28     | 19.58 | 22.95 | <=30  | Pass    |
|                                      |                 | Inner_1RB_Left  | 16.88                | 16.72 | 19.81 | 20.70     | 19.71 | 23.24 | <=30  | Pass    |
|                                      |                 | Inner_1RB_Right | 16.37                | 16.16 | 19.28 | 20.19     | 19.15 | 22.71 | <=30  | Pass    |
| CP-OFDM 256 QAM                      | 3750            | Edge_1RB_Left   | 13.65                | 13.37 | 16.52 | 17.47     | 16.36 | 19.96 | <=30  | Pass    |
|                                      |                 | Edge_1RB_Right  | 13.25                | 13.05 | 16.16 | 17.07     | 16.04 | 19.60 | <=30  | Pass    |
|                                      |                 | Outer_Full      | 13.43                | 13.48 | 16.46 | 17.25     | 16.47 | 19.89 | <=30  | Pass    |
|                                      |                 | Inner_Full      | 13.37                | 13.51 | 16.45 | 17.19     | 16.50 | 19.87 | <=30  | Pass    |

|                                                                                                |      |                 |       |       |       |       |       |       |      |      |
|------------------------------------------------------------------------------------------------|------|-----------------|-------|-------|-------|-------|-------|-------|------|------|
|                                                                                                |      | Inner 1RB Left  | 13.52 | 13.62 | 16.58 | 17.34 | 16.61 | 20.00 | <=30 | Pass |
|                                                                                                |      | Inner 1RB Right | 13.37 | 12.98 | 16.19 | 17.19 | 15.97 | 19.63 | <=30 | Pass |
|                                                                                                | 3750 | Edge 1RB Left   | 13.55 | 13.45 | 16.51 | 17.37 | 16.44 | 19.94 | <=30 | Pass |
|                                                                                                |      | Edge 1RB Right  | 13.24 | 12.98 | 16.12 | 17.06 | 15.97 | 19.56 | <=30 | Pass |
|                                                                                                |      | Outer Full      | 13.57 | 13.33 | 16.46 | 17.39 | 16.32 | 19.90 | <=30 | Pass |
|                                                                                                |      | Inner Full      | 13.35 | 13.52 | 16.44 | 17.17 | 16.51 | 19.86 | <=30 | Pass |
|                                                                                                |      | Inner 1RB Left  | 13.66 | 13.49 | 16.59 | 17.48 | 16.48 | 20.02 | <=30 | Pass |
|                                                                                                |      | Inner 1RB Right | 13.30 | 13.04 | 16.18 | 17.12 | 16.03 | 19.62 | <=30 | Pass |
|                                                                                                | 3750 | Edge 1RB Left   | 13.75 | 13.70 | 16.74 | 17.57 | 16.69 | 20.16 | <=30 | Pass |
|                                                                                                |      | Edge 1RB Right  | 13.39 | 13.09 | 16.26 | 17.21 | 16.08 | 19.69 | <=30 | Pass |
|                                                                                                |      | Outer Full      | 13.41 | 13.48 | 16.46 | 17.23 | 16.47 | 19.88 | <=30 | Pass |
|                                                                                                |      | Inner Full      | 13.35 | 13.56 | 16.47 | 17.17 | 16.55 | 19.88 | <=30 | Pass |
|                                                                                                |      | Inner 1RB Left  | 13.55 | 13.52 | 16.55 | 17.37 | 16.51 | 19.97 | <=30 | Pass |
|                                                                                                |      | Inner 1RB Right | 13.38 | 13.03 | 16.22 | 17.20 | 16.02 | 19.66 | <=30 | Pass |
| Note1: Antenna Gain: Ant5: 3.82dBi; Ant2: 2.99dBi;<br>Note2: EIRP=Conducted Power+Antenna Gain |      |                 |       |       |       |       |       |       |      |      |