

# 1. Effective (Isotropic) Radiated Power Output Data

## 1.1 30k\_SISO\_10MHz\_NTNV\_EIRP

### 1.1.1 Test Result

| 5G NR n48 SCS=30kHz SISO 10MHz NTN |                 |                 |                      |      |     |           |      |     |       |         |
|------------------------------------|-----------------|-----------------|----------------------|------|-----|-----------|------|-----|-------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation   | Conducted Power(dBm) |      |     | EIRP(dBm) |      |     |       | Verdict |
|                                    |                 |                 | Ant1                 | Ant2 | Sum | Ant1      | Ant2 | Sum | Limit |         |
| DFT-s-OFDM PI/2 BPSK               | 3555            | Edge_1RB_Left   | 12.32                | /    | /   | 17.65     | /    | /   | <=23  | Pass    |
|                                    |                 | Edge_1RB_Right  | 12.68                | /    | /   | 18.01     | /    | /   | <=23  | Pass    |
|                                    |                 | Outer_Full      | 12.55                | /    | /   | 17.88     | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_Full      | 12.64                | /    | /   | 17.97     | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_1RB_Left  | 12.39                | /    | /   | 17.72     | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_1RB_Right | 12.69                | /    | /   | 18.02     | /    | /   | <=23  | Pass    |
|                                    | 3624.99         | Edge_1RB_Left   | 13.86                | /    | /   | 19.19     | /    | /   | <=23  | Pass    |
|                                    |                 | Edge_1RB_Right  | 13.82                | /    | /   | 19.15     | /    | /   | <=23  | Pass    |
|                                    |                 | Outer_Full      | 13.90                | /    | /   | 19.23     | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_Full      | 14.02                | /    | /   | 19.35     | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_1RB_Left  | 13.84                | /    | /   | 19.17     | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_1RB_Right | 13.88                | /    | /   | 19.21     | /    | /   | <=23  | Pass    |
|                                    | 3694.98         | Edge_1RB_Left   | 14.15                | /    | /   | 19.48     | /    | /   | <=23  | Pass    |
|                                    |                 | Edge_1RB_Right  | 14.25                | /    | /   | 19.58     | /    | /   | <=23  | Pass    |
|                                    |                 | Outer_Full      | 14.32                | /    | /   | 19.65     | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_Full      | 14.22                | /    | /   | 19.55     | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_1RB_Left  | 14.18                | /    | /   | 19.51     | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_1RB_Right | 14.32                | /    | /   | 19.65     | /    | /   | <=23  | Pass    |
| DFT-s-OFDM QPSK                    | 3555            | Edge_1RB_Left   | 12.29                | /    | /   | 17.62     | /    | /   | <=23  | Pass    |
|                                    |                 | Edge_1RB_Right  | 12.63                | /    | /   | 17.96     | /    | /   | <=23  | Pass    |
|                                    |                 | Outer_Full      | 12.62                | /    | /   | 17.95     | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_Full      | 12.57                | /    | /   | 17.90     | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_1RB_Left  | 12.26                | /    | /   | 17.59     | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_1RB_Right | 12.72                | /    | /   | 18.05     | /    | /   | <=23  | Pass    |
|                                    | 3624.99         | Edge_1RB_Left   | 13.72                | /    | /   | 19.05     | /    | /   | <=23  | Pass    |

|                      |         |                     |       |   |   |       |   |   |      |      |
|----------------------|---------|---------------------|-------|---|---|-------|---|---|------|------|
| DFT-s-OFDM<br>16 QAM | 3694.98 | B_Left              |       |   |   |       |   |   |      |      |
|                      |         | Edge_1R<br>B_Right  | 13.80 | / | / | 19.13 | / | / | <=23 | Pass |
|                      |         | Outer_Fu<br>ll      | 13.73 | / | / | 19.06 | / | / | <=23 | Pass |
|                      |         | Inner_Ful<br>l      | 13.82 | / | / | 19.15 | / | / | <=23 | Pass |
|                      |         | Inner_1R<br>B_Left  | 13.76 | / | / | 19.09 | / | / | <=23 | Pass |
|                      |         | Inner_1R<br>B_Right | 13.84 | / | / | 19.17 | / | / | <=23 | Pass |
|                      |         | Edge_1R<br>B_Left   | 14.10 | / | / | 19.43 | / | / | <=23 | Pass |
|                      |         | Edge_1R<br>B_Right  | 14.12 | / | / | 19.45 | / | / | <=23 | Pass |
|                      |         | Outer_Fu<br>ll      | 14.22 | / | / | 19.55 | / | / | <=23 | Pass |
|                      |         | Inner_Ful<br>l      | 14.17 | / | / | 19.50 | / | / | <=23 | Pass |
|                      |         | Inner_1R<br>B_Left  | 14.04 | / | / | 19.37 | / | / | <=23 | Pass |
|                      |         | Inner_1R<br>B_Right | 14.14 | / | / | 19.47 | / | / | <=23 | Pass |
|                      | 3555    | Edge_1R<br>B_Left   | 12.20 | / | / | 17.53 | / | / | <=23 | Pass |
|                      |         | Edge_1R<br>B_Right  | 12.74 | / | / | 18.07 | / | / | <=23 | Pass |
|                      |         | Outer_Fu<br>ll      | 12.56 | / | / | 17.89 | / | / | <=23 | Pass |
|                      |         | Inner_Ful<br>l      | 12.43 | / | / | 17.76 | / | / | <=23 | Pass |
|                      |         | Inner_1R<br>B_Left  | 12.20 | / | / | 17.53 | / | / | <=23 | Pass |
|                      |         | Inner_1R<br>B_Right | 12.63 | / | / | 17.96 | / | / | <=23 | Pass |
|                      |         | Edge_1R<br>B_Left   | 13.60 | / | / | 18.93 | / | / | <=23 | Pass |
|                      |         | Edge_1R<br>B_Right  | 13.69 | / | / | 19.02 | / | / | <=23 | Pass |
|                      |         | Outer_Fu<br>ll      | 13.80 | / | / | 19.13 | / | / | <=23 | Pass |
|                      |         | Inner_Ful<br>l      | 13.71 | / | / | 19.04 | / | / | <=23 | Pass |
|                      |         | Inner_1R<br>B_Left  | 13.55 | / | / | 18.88 | / | / | <=23 | Pass |
|                      |         | Inner_1R<br>B_Right | 13.76 | / | / | 19.09 | / | / | <=23 | Pass |
|                      | 3694.98 | Edge_1R<br>B_Left   | 14.01 | / | / | 19.34 | / | / | <=23 | Pass |
|                      |         | Edge_1R<br>B_Right  | 14.12 | / | / | 19.45 | / | / | <=23 | Pass |
|                      |         | Outer_Fu<br>ll      | 14.16 | / | / | 19.49 | / | / | <=23 | Pass |
|                      |         | Inner_Ful<br>l      | 14.13 | / | / | 19.46 | / | / | <=23 | Pass |
|                      |         | Inner_1R<br>B_Left  | 14.01 | / | / | 19.34 | / | / | <=23 | Pass |
|                      |         | Inner_1R<br>B_Right | 14.12 | / | / | 19.45 | / | / | <=23 | Pass |
| DFT-s-OFDM           | 3555    | Edge_1R<br>B_Left   | 12.48 | / | / | 17.81 | / | / | <=23 | Pass |

|                           |         |                     |       |   |   |       |   |   |      |      |
|---------------------------|---------|---------------------|-------|---|---|-------|---|---|------|------|
| 64 QAM                    |         | Edge_1R<br>B_Right  | 12.64 | / | / | 17.97 | / | / | <=23 | Pass |
|                           |         | Outer_Fu<br>ll      | 12.58 | / | / | 17.91 | / | / | <=23 | Pass |
|                           |         | Inner_Ful<br>l      | 12.55 | / | / | 17.88 | / | / | <=23 | Pass |
|                           |         | Inner_1R<br>B_Left  | 12.47 | / | / | 17.80 | / | / | <=23 | Pass |
|                           |         | Inner_1R<br>B_Right | 12.67 | / | / | 18.00 | / | / | <=23 | Pass |
|                           |         | Edge_1R<br>B_Left   | 13.70 | / | / | 19.03 | / | / | <=23 | Pass |
|                           | 3624.99 | Edge_1R<br>B_Right  | 13.88 | / | / | 19.21 | / | / | <=23 | Pass |
|                           |         | Outer_Fu<br>ll      | 14.04 | / | / | 19.37 | / | / | <=23 | Pass |
|                           |         | Inner_Ful<br>l      | 13.99 | / | / | 19.32 | / | / | <=23 | Pass |
|                           |         | Inner_1R<br>B_Left  | 13.74 | / | / | 19.07 | / | / | <=23 | Pass |
|                           |         | Inner_1R<br>B_Right | 13.81 | / | / | 19.14 | / | / | <=23 | Pass |
|                           |         | Edge_1R<br>B_Left   | 14.18 | / | / | 19.51 | / | / | <=23 | Pass |
|                           | 3694.98 | Edge_1R<br>B_Right  | 14.13 | / | / | 19.46 | / | / | <=23 | Pass |
|                           |         | Outer_Fu<br>ll      | 14.32 | / | / | 19.65 | / | / | <=23 | Pass |
|                           |         | Inner_Ful<br>l      | 14.21 | / | / | 19.54 | / | / | <=23 | Pass |
|                           |         | Inner_1R<br>B_Left  | 14.19 | / | / | 19.52 | / | / | <=23 | Pass |
|                           |         | Inner_1R<br>B_Right | 14.23 | / | / | 19.56 | / | / | <=23 | Pass |
|                           |         | Edge_1R<br>B_Left   | 11.89 | / | / | 17.22 | / | / | <=23 | Pass |
| DFT-s-<br>OFDM<br>256 QAM | 3555    | Edge_1R<br>B_Right  | 12.30 | / | / | 17.63 | / | / | <=23 | Pass |
|                           |         | Outer_Fu<br>ll      | 12.40 | / | / | 17.73 | / | / | <=23 | Pass |
|                           |         | Inner_Ful<br>l      | 12.49 | / | / | 17.82 | / | / | <=23 | Pass |
|                           |         | Inner_1R<br>B_Left  | 11.97 | / | / | 17.30 | / | / | <=23 | Pass |
|                           |         | Inner_1R<br>B_Right | 12.19 | / | / | 17.52 | / | / | <=23 | Pass |
|                           |         | Edge_1R<br>B_Left   | 13.41 | / | / | 18.74 | / | / | <=23 | Pass |
|                           | 3624.99 | Edge_1R<br>B_Right  | 13.30 | / | / | 18.63 | / | / | <=23 | Pass |
|                           |         | Outer_Fu<br>ll      | 13.65 | / | / | 18.98 | / | / | <=23 | Pass |
|                           |         | Inner_Ful<br>l      | 13.84 | / | / | 19.17 | / | / | <=23 | Pass |
|                           |         | Inner_1R<br>B_Left  | 13.31 | / | / | 18.64 | / | / | <=23 | Pass |
|                           |         | Inner_1R<br>B_Right | 13.40 | / | / | 18.73 | / | / | <=23 | Pass |
|                           | 3694.98 | Edge_1R<br>B_Left   | 13.74 | / | / | 19.07 | / | / | <=23 | Pass |
|                           |         | Edge_1R             | 13.87 | / | / | 19.20 | / | / | <=23 | Pass |

|                       |         |                     |       |   |   |       |   |   |      |      |
|-----------------------|---------|---------------------|-------|---|---|-------|---|---|------|------|
|                       |         | B_Right             |       |   |   |       |   |   |      |      |
|                       |         | Outer_Fu<br>ll      | 14.30 | / | / | 19.63 | / | / | <=23 | Pass |
|                       |         | Inner_Ful<br>l      | 14.17 | / | / | 19.50 | / | / | <=23 | Pass |
|                       |         | Inner_1R<br>B_Left  | 13.70 | / | / | 19.03 | / | / | <=23 | Pass |
| CP-<br>OFDM<br>QPSK   | 3555    | Inner_1R<br>B_Right | 13.84 | / | / | 19.17 | / | / | <=23 | Pass |
|                       |         | Edge_1R<br>B_Left   | 12.26 | / | / | 17.59 | / | / | <=23 | Pass |
|                       |         | Edge_1R<br>B_Right  | 12.62 | / | / | 17.95 | / | / | <=23 | Pass |
|                       |         | Outer_Fu<br>ll      | 12.43 | / | / | 17.76 | / | / | <=23 | Pass |
|                       |         | Inner_Ful<br>l      | 12.55 | / | / | 17.88 | / | / | <=23 | Pass |
|                       |         | Inner_1R<br>B_Left  | 12.17 | / | / | 17.50 | / | / | <=23 | Pass |
|                       | 3624.99 | Inner_1R<br>B_Right | 12.62 | / | / | 17.95 | / | / | <=23 | Pass |
|                       |         | Edge_1R<br>B_Left   | 13.80 | / | / | 19.13 | / | / | <=23 | Pass |
|                       |         | Edge_1R<br>B_Right  | 13.66 | / | / | 18.99 | / | / | <=23 | Pass |
|                       |         | Outer_Fu<br>ll      | 13.84 | / | / | 19.17 | / | / | <=23 | Pass |
|                       |         | Inner_Ful<br>l      | 13.88 | / | / | 19.21 | / | / | <=23 | Pass |
|                       |         | Inner_1R<br>B_Left  | 13.61 | / | / | 18.94 | / | / | <=23 | Pass |
|                       | 3694.98 | Inner_1R<br>B_Right | 13.83 | / | / | 19.16 | / | / | <=23 | Pass |
|                       |         | Edge_1R<br>B_Left   | 14.12 | / | / | 19.45 | / | / | <=23 | Pass |
|                       |         | Edge_1R<br>B_Right  | 14.23 | / | / | 19.56 | / | / | <=23 | Pass |
|                       |         | Outer_Fu<br>ll      | 14.17 | / | / | 19.50 | / | / | <=23 | Pass |
|                       |         | Inner_Ful<br>l      | 14.24 | / | / | 19.57 | / | / | <=23 | Pass |
|                       |         | Inner_1R<br>B_Left  | 14.13 | / | / | 19.46 | / | / | <=23 | Pass |
| CP-<br>OFDM<br>16 QAM | 3555    | Inner_1R<br>B_Right | 14.08 | / | / | 19.41 | / | / | <=23 | Pass |
|                       |         | Edge_1R<br>B_Left   | 12.19 | / | / | 17.52 | / | / | <=23 | Pass |
|                       |         | Edge_1R<br>B_Right  | 12.68 | / | / | 18.01 | / | / | <=23 | Pass |
|                       |         | Outer_Fu<br>ll      | 12.55 | / | / | 17.88 | / | / | <=23 | Pass |
|                       |         | Inner_Ful<br>l      | 12.49 | / | / | 17.82 | / | / | <=23 | Pass |
|                       |         | Inner_1R<br>B_Left  | 12.30 | / | / | 17.63 | / | / | <=23 | Pass |
|                       | 3624.99 | Inner_1R<br>B_Right | 12.62 | / | / | 17.95 | / | / | <=23 | Pass |
|                       |         | Edge_1R<br>B_Left   | 13.73 | / | / | 19.06 | / | / | <=23 | Pass |
|                       |         | Edge_1R<br>B_Right  | 13.66 | / | / | 18.99 | / | / | <=23 | Pass |

|                        |         |                     |       |   |   |       |   |   |      |      |
|------------------------|---------|---------------------|-------|---|---|-------|---|---|------|------|
|                        |         | Outer_Fu<br>ll      | 13.77 | / | / | 19.10 | / | / | <=23 | Pass |
|                        |         | Inner_Ful<br>l      | 13.82 | / | / | 19.15 | / | / | <=23 | Pass |
|                        |         | Inner_1R<br>B_Left  | 13.62 | / | / | 18.95 | / | / | <=23 | Pass |
|                        |         | Inner_1R<br>B_Right | 13.69 | / | / | 19.02 | / | / | <=23 | Pass |
|                        | 3694.98 | Edge_1R<br>B_Left   | 14.14 | / | / | 19.47 | / | / | <=23 | Pass |
|                        |         | Edge_1R<br>B_Right  | 14.20 | / | / | 19.53 | / | / | <=23 | Pass |
|                        |         | Outer_Fu<br>ll      | 14.21 | / | / | 19.54 | / | / | <=23 | Pass |
|                        |         | Inner_Ful<br>l      | 14.10 | / | / | 19.43 | / | / | <=23 | Pass |
|                        |         | Inner_1R<br>B_Left  | 14.12 | / | / | 19.45 | / | / | <=23 | Pass |
|                        |         | Inner_1R<br>B_Right | 14.23 | / | / | 19.56 | / | / | <=23 | Pass |
| CP-<br>OFDM<br>64 QAM  | 3555    | Edge_1R<br>B_Left   | 12.37 | / | / | 17.70 | / | / | <=23 | Pass |
|                        |         | Edge_1R<br>B_Right  | 12.73 | / | / | 18.06 | / | / | <=23 | Pass |
|                        |         | Outer_Fu<br>ll      | 12.53 | / | / | 17.86 | / | / | <=23 | Pass |
|                        |         | Inner_Ful<br>l      | 12.53 | / | / | 17.86 | / | / | <=23 | Pass |
|                        |         | Inner_1R<br>B_Left  | 12.45 | / | / | 17.78 | / | / | <=23 | Pass |
|                        |         | Inner_1R<br>B_Right | 12.81 | / | / | 18.14 | / | / | <=23 | Pass |
|                        | 3624.99 | Edge_1R<br>B_Left   | 13.82 | / | / | 19.15 | / | / | <=23 | Pass |
|                        |         | Edge_1R<br>B_Right  | 13.83 | / | / | 19.16 | / | / | <=23 | Pass |
|                        |         | Outer_Fu<br>ll      | 13.99 | / | / | 19.32 | / | / | <=23 | Pass |
|                        |         | Inner_Ful<br>l      | 13.85 | / | / | 19.18 | / | / | <=23 | Pass |
|                        |         | Inner_1R<br>B_Left  | 13.88 | / | / | 19.21 | / | / | <=23 | Pass |
|                        |         | Inner_1R<br>B_Right | 13.98 | / | / | 19.31 | / | / | <=23 | Pass |
|                        | 3694.98 | Edge_1R<br>B_Left   | 14.19 | / | / | 19.52 | / | / | <=23 | Pass |
|                        |         | Edge_1R<br>B_Right  | 14.25 | / | / | 19.58 | / | / | <=23 | Pass |
|                        |         | Outer_Fu<br>ll      | 14.27 | / | / | 19.60 | / | / | <=23 | Pass |
|                        |         | Inner_Ful<br>l      | 14.27 | / | / | 19.60 | / | / | <=23 | Pass |
|                        |         | Inner_1R<br>B_Left  | 14.25 | / | / | 19.58 | / | / | <=23 | Pass |
|                        |         | Inner_1R<br>B_Right | 14.25 | / | / | 19.58 | / | / | <=23 | Pass |
| CP-<br>OFDM<br>256 QAM | 3555    | Edge_1R<br>B_Left   | 11.91 | / | / | 17.24 | / | / | <=23 | Pass |
|                        |         | Edge_1R<br>B_Right  | 12.26 | / | / | 17.59 | / | / | <=23 | Pass |
|                        |         | Outer_Fu            | 12.44 | / | / | 17.77 | / | / | <=23 | Pass |

|                                                                                                |         |                 |       |   |   |       |   |   |      |      |
|------------------------------------------------------------------------------------------------|---------|-----------------|-------|---|---|-------|---|---|------|------|
|                                                                                                |         | II              |       |   |   |       |   |   |      |      |
|                                                                                                |         | Inner_Full      | 12.51 | / | / | 17.84 | / | / | <=23 | Pass |
|                                                                                                |         | Inner_1RB_Left  | 11.94 | / | / | 17.27 | / | / | <=23 | Pass |
|                                                                                                |         | Inner_1RB_Right | 12.30 | / | / | 17.63 | / | / | <=23 | Pass |
|                                                                                                | 3624.99 | Edge_1RB_Left   | 13.33 | / | / | 18.66 | / | / | <=23 | Pass |
|                                                                                                |         | Edge_1RB_Right  | 13.41 | / | / | 18.74 | / | / | <=23 | Pass |
|                                                                                                |         | Outer_Full      | 13.87 | / | / | 19.20 | / | / | <=23 | Pass |
|                                                                                                |         | Inner_Full      | 13.90 | / | / | 19.23 | / | / | <=23 | Pass |
|                                                                                                |         | Inner_1RB_Left  | 13.24 | / | / | 18.57 | / | / | <=23 | Pass |
|                                                                                                |         | Inner_1RB_Right | 13.41 | / | / | 18.74 | / | / | <=23 | Pass |
|                                                                                                | 3694.98 | Edge_1RB_Left   | 13.68 | / | / | 19.01 | / | / | <=23 | Pass |
|                                                                                                |         | Edge_1RB_Right  | 13.75 | / | / | 19.08 | / | / | <=23 | Pass |
|                                                                                                |         | Outer_Full      | 14.31 | / | / | 19.64 | / | / | <=23 | Pass |
|                                                                                                |         | Inner_Full      | 14.21 | / | / | 19.54 | / | / | <=23 | Pass |
|                                                                                                |         | Inner_1RB_Left  | 13.67 | / | / | 19.00 | / | / | <=23 | Pass |
|                                                                                                |         | Inner_1RB_Right | 13.84 | / | / | 19.17 | / | / | <=23 | Pass |
| Note1: Antenna Gain: Ant1: 5.33dBi; Ant2: 5.33dBi;<br>Note2: EIRP=Conducted Power+Antenna Gain |         |                 |       |   |   |       |   |   |      |      |

## 1.2 30k\_SISO\_10MHz\_NTNV\_EIRP/10MHz

### 1.2.1 Test Result

| 5G NR n48 SCS=30kHz SISO 10MHz NTN |                 |                 |                            |      |     |                 |      |     |       |         |
|------------------------------------|-----------------|-----------------|----------------------------|------|-----|-----------------|------|-----|-------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation   | Conducted Power(dBm/10MHz) |      |     | EIRP(dBm/10MHz) |      |     |       | Verdict |
|                                    |                 |                 | Ant1                       | Ant2 | Sum | Ant1            | Ant2 | Sum | Limit |         |
| DFT-s-OFDM<br>PI/2<br>BPSK         | 3555            | Edge_1RB_Left   | 15.39                      | /    | /   | 20.72           | /    | /   | <=23  | Pass    |
|                                    |                 | Edge_1RB_Right  | 14.21                      | /    | /   | 19.54           | /    | /   | <=23  | Pass    |
|                                    |                 | Outer_Full      | 14.74                      | /    | /   | 20.07           | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_Full      | 14.57                      | /    | /   | 19.90           | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_1RB_Left  | 14.57                      | /    | /   | 19.90           | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_1RB_Right | 14.71                      | /    | /   | 20.04           | /    | /   | <=23  | Pass    |
|                                    | 3624.99         | Edge_1RB_Left   | 15.35                      | /    | /   | 20.68           | /    | /   | <=23  | Pass    |
|                                    |                 | Edge_1RB_Right  | 15.38                      | /    | /   | 20.71           | /    | /   | <=23  | Pass    |

|                   |         |                     |       |   |   |       |   |   |      |      |
|-------------------|---------|---------------------|-------|---|---|-------|---|---|------|------|
| DFT-s-OFDM QPSK   | 3694.98 | Outer_Fu<br>ll      | 15.40 | / | / | 20.73 | / | / | <=23 | Pass |
|                   |         | Inner_Ful<br>l      | 15.35 | / | / | 20.68 | / | / | <=23 | Pass |
|                   |         | Inner_1R<br>B_Left  | 15.21 | / | / | 20.54 | / | / | <=23 | Pass |
|                   |         | Inner_1R<br>B_Right | 15.23 | / | / | 20.56 | / | / | <=23 | Pass |
|                   | 3694.98 | Edge_1R<br>B_Left   | 16.04 | / | / | 21.37 | / | / | <=23 | Pass |
|                   |         | Edge_1R<br>B_Right  | 16.22 | / | / | 21.55 | / | / | <=23 | Pass |
|                   |         | Outer_Fu<br>ll      | 15.95 | / | / | 21.28 | / | / | <=23 | Pass |
|                   |         | Inner_Ful<br>l      | 16.09 | / | / | 21.42 | / | / | <=23 | Pass |
|                   |         | Inner_1R<br>B_Left  | 15.92 | / | / | 21.25 | / | / | <=23 | Pass |
|                   |         | Inner_1R<br>B_Right | 16.11 | / | / | 21.44 | / | / | <=23 | Pass |
|                   | 3555    | Edge_1R<br>B_Left   | 14.95 | / | / | 20.28 | / | / | <=23 | Pass |
|                   |         | Edge_1R<br>B_Right  | 15.18 | / | / | 20.51 | / | / | <=23 | Pass |
|                   |         | Outer_Fu<br>ll      | 15.10 | / | / | 20.43 | / | / | <=23 | Pass |
|                   |         | Inner_Ful<br>l      | 15.38 | / | / | 20.71 | / | / | <=23 | Pass |
|                   |         | Inner_1R<br>B_Left  | 14.84 | / | / | 20.17 | / | / | <=23 | Pass |
|                   |         | Inner_1R<br>B_Right | 15.25 | / | / | 20.58 | / | / | <=23 | Pass |
| DFT-s-OFDM 16 QAM | 3624.99 | Edge_1R<br>B_Left   | 15.47 | / | / | 20.80 | / | / | <=23 | Pass |
|                   |         | Edge_1R<br>B_Right  | 15.76 | / | / | 21.09 | / | / | <=23 | Pass |
|                   |         | Outer_Fu<br>ll      | 15.52 | / | / | 20.85 | / | / | <=23 | Pass |
|                   |         | Inner_Ful<br>l      | 15.29 | / | / | 20.62 | / | / | <=23 | Pass |
|                   |         | Inner_1R<br>B_Left  | 15.72 | / | / | 21.05 | / | / | <=23 | Pass |
|                   |         | Inner_1R<br>B_Right | 15.39 | / | / | 20.72 | / | / | <=23 | Pass |
|                   | 3694.98 | Edge_1R<br>B_Left   | 16.03 | / | / | 21.36 | / | / | <=23 | Pass |
|                   |         | Edge_1R<br>B_Right  | 16.48 | / | / | 21.81 | / | / | <=23 | Pass |
|                   |         | Outer_Fu<br>ll      | 16.20 | / | / | 21.53 | / | / | <=23 | Pass |
|                   |         | Inner_Ful<br>l      | 16.12 | / | / | 21.45 | / | / | <=23 | Pass |
|                   |         | Inner_1R<br>B_Left  | 15.88 | / | / | 21.21 | / | / | <=23 | Pass |
|                   |         | Inner_1R<br>B_Right | 16.08 | / | / | 21.41 | / | / | <=23 | Pass |
|                   | 3555    | Edge_1R<br>B_Left   | 15.22 | / | / | 20.55 | / | / | <=23 | Pass |
|                   |         | Edge_1R<br>B_Right  | 14.71 | / | / | 20.04 | / | / | <=23 | Pass |
|                   |         | Outer_Fu            | 14.91 | / | / | 20.24 | / | / | <=23 | Pass |

|                      |         |                 |       |   |   |       |   |   |      |      |
|----------------------|---------|-----------------|-------|---|---|-------|---|---|------|------|
| DFT-s-OFDM<br>64 QAM | 3624.99 | II              |       |   |   |       |   |   |      |      |
|                      |         | Inner_Full      | 15.24 | / | / | 20.57 | / | / | <=23 | Pass |
|                      |         | Inner_1RB_Left  | 14.87 | / | / | 20.20 | / | / | <=23 | Pass |
|                      |         | Inner_1RB_Right | 15.20 | / | / | 20.53 | / | / | <=23 | Pass |
|                      |         | Edge_1RB_Left   | 15.36 | / | / | 20.69 | / | / | <=23 | Pass |
|                      |         | Edge_1RB_Right  | 15.32 | / | / | 20.65 | / | / | <=23 | Pass |
|                      |         | Outer_Full      | 15.53 | / | / | 20.86 | / | / | <=23 | Pass |
|                      |         | Inner_Full      | 15.47 | / | / | 20.80 | / | / | <=23 | Pass |
|                      |         | Inner_1RB_Left  | 15.60 | / | / | 20.93 | / | / | <=23 | Pass |
|                      | 3694.98 | Inner_1RB_Right | 14.94 | / | / | 20.27 | / | / | <=23 | Pass |
|                      |         | Edge_1RB_Left   | 15.70 | / | / | 21.03 | / | / | <=23 | Pass |
|                      |         | Edge_1RB_Right  | 16.03 | / | / | 21.36 | / | / | <=23 | Pass |
|                      |         | Outer_Full      | 16.04 | / | / | 21.37 | / | / | <=23 | Pass |
|                      |         | Inner_Full      | 15.88 | / | / | 21.21 | / | / | <=23 | Pass |
|                      |         | Inner_1RB_Left  | 16.36 | / | / | 21.69 | / | / | <=23 | Pass |
|                      |         | Inner_1RB_Right | 16.06 | / | / | 21.39 | / | / | <=23 | Pass |
|                      | 3555    | Edge_1RB_Left   | 15.23 | / | / | 20.56 | / | / | <=23 | Pass |
|                      |         | Edge_1RB_Right  | 15.26 | / | / | 20.59 | / | / | <=23 | Pass |
|                      |         | Outer_Full      | 15.25 | / | / | 20.58 | / | / | <=23 | Pass |
|                      |         | Inner_Full      | 15.43 | / | / | 20.76 | / | / | <=23 | Pass |
|                      |         | Inner_1RB_Left  | 14.84 | / | / | 20.17 | / | / | <=23 | Pass |
|                      |         | Inner_1RB_Right | 15.32 | / | / | 20.65 | / | / | <=23 | Pass |
|                      | 3624.99 | Edge_1RB_Left   | 15.20 | / | / | 20.53 | / | / | <=23 | Pass |
|                      |         | Edge_1RB_Right  | 15.29 | / | / | 20.62 | / | / | <=23 | Pass |
|                      |         | Outer_Full      | 15.53 | / | / | 20.86 | / | / | <=23 | Pass |
|                      |         | Inner_Full      | 15.64 | / | / | 20.97 | / | / | <=23 | Pass |
|                      |         | Inner_1RB_Left  | 15.64 | / | / | 20.97 | / | / | <=23 | Pass |
|                      |         | Inner_1RB_Right | 15.16 | / | / | 20.49 | / | / | <=23 | Pass |
|                      | 3694.98 | Edge_1RB_Left   | 15.89 | / | / | 21.22 | / | / | <=23 | Pass |
|                      |         | Edge_1RB_Right  | 16.10 | / | / | 21.43 | / | / | <=23 | Pass |
|                      |         | Outer_Full      | 16.03 | / | / | 21.36 | / | / | <=23 | Pass |

|                       |         |                 |       |   |   |       |   |   |      |      |
|-----------------------|---------|-----------------|-------|---|---|-------|---|---|------|------|
| DFT-s-OFDM<br>256 QAM |         | Inner_Full      | 16.21 | / | / | 21.54 | / | / | <=23 | Pass |
|                       |         | Inner_1RB_Left  | 15.73 | / | / | 21.06 | / | / | <=23 | Pass |
|                       |         | Inner_1RB_Right | 16.02 | / | / | 21.35 | / | / | <=23 | Pass |
|                       | 3555    | Edge_1RB_Left   | 15.11 | / | / | 20.44 | / | / | <=23 | Pass |
|                       |         | Edge_1RB_Right  | 14.39 | / | / | 19.72 | / | / | <=23 | Pass |
|                       |         | Outer_Full      | 15.06 | / | / | 20.39 | / | / | <=23 | Pass |
|                       |         | Inner_Full      | 15.32 | / | / | 20.65 | / | / | <=23 | Pass |
|                       |         | Inner_1RB_Left  | 14.77 | / | / | 20.10 | / | / | <=23 | Pass |
|                       |         | Inner_1RB_Right | 14.71 | / | / | 20.04 | / | / | <=23 | Pass |
|                       | 3624.99 | Edge_1RB_Left   | 14.92 | / | / | 20.25 | / | / | <=23 | Pass |
|                       |         | Edge_1RB_Right  | 15.71 | / | / | 21.04 | / | / | <=23 | Pass |
|                       |         | Outer_Full      | 15.72 | / | / | 21.05 | / | / | <=23 | Pass |
|                       |         | Inner_Full      | 15.46 | / | / | 20.79 | / | / | <=23 | Pass |
|                       |         | Inner_1RB_Left  | 15.29 | / | / | 20.62 | / | / | <=23 | Pass |
|                       |         | Inner_1RB_Right | 15.33 | / | / | 20.66 | / | / | <=23 | Pass |
|                       | 3694.98 | Edge_1RB_Left   | 15.49 | / | / | 20.82 | / | / | <=23 | Pass |
|                       |         | Edge_1RB_Right  | 15.81 | / | / | 21.14 | / | / | <=23 | Pass |
|                       |         | Outer_Full      | 15.91 | / | / | 21.24 | / | / | <=23 | Pass |
|                       |         | Inner_Full      | 15.86 | / | / | 21.19 | / | / | <=23 | Pass |
|                       |         | Inner_1RB_Left  | 15.47 | / | / | 20.80 | / | / | <=23 | Pass |
|                       |         | Inner_1RB_Right | 15.90 | / | / | 21.23 | / | / | <=23 | Pass |
| CP-OFDM<br>QPSK       | 3555    | Edge_1RB_Left   | 15.14 | / | / | 20.47 | / | / | <=23 | Pass |
|                       |         | Edge_1RB_Right  | 15.22 | / | / | 20.55 | / | / | <=23 | Pass |
|                       |         | Outer_Full      | 15.25 | / | / | 20.58 | / | / | <=23 | Pass |
|                       |         | Inner_Full      | 15.33 | / | / | 20.66 | / | / | <=23 | Pass |
|                       |         | Inner_1RB_Left  | 15.17 | / | / | 20.50 | / | / | <=23 | Pass |
|                       |         | Inner_1RB_Right | 15.41 | / | / | 20.74 | / | / | <=23 | Pass |
|                       | 3624.99 | Edge_1RB_Left   | 15.78 | / | / | 21.11 | / | / | <=23 | Pass |
|                       |         | Edge_1RB_Right  | 15.49 | / | / | 20.82 | / | / | <=23 | Pass |
|                       |         | Outer_Full      | 15.36 | / | / | 20.69 | / | / | <=23 | Pass |
|                       |         | Inner_Full      | 15.30 | / | / | 20.63 | / | / | <=23 | Pass |

|                       |         |                     |       |   |   |       |   |   |      |      |
|-----------------------|---------|---------------------|-------|---|---|-------|---|---|------|------|
|                       |         | I                   |       |   |   |       |   |   |      |      |
|                       |         | Inner_1R<br>B_Left  | 15.33 | / | / | 20.66 | / | / | <=23 | Pass |
|                       |         | Inner_1R<br>B_Right | 15.36 | / | / | 20.69 | / | / | <=23 | Pass |
|                       | 3694.98 | Edge_1R<br>B_Left   | 15.78 | / | / | 21.11 | / | / | <=23 | Pass |
|                       |         | Edge_1R<br>B_Right  | 16.31 | / | / | 21.64 | / | / | <=23 | Pass |
|                       |         | Outer_Fu<br>ll      | 15.88 | / | / | 21.21 | / | / | <=23 | Pass |
|                       |         | Inner_Ful<br>l      | 16.43 | / | / | 21.76 | / | / | <=23 | Pass |
|                       |         | Inner_1R<br>B_Left  | 15.90 | / | / | 21.23 | / | / | <=23 | Pass |
|                       |         | Inner_1R<br>B_Right | 16.46 | / | / | 21.79 | / | / | <=23 | Pass |
|                       |         |                     |       |   |   |       |   |   |      |      |
| CP-<br>OFDM<br>16 QAM | 3555    | Edge_1R<br>B_Left   | 14.76 | / | / | 20.09 | / | / | <=23 | Pass |
|                       |         | Edge_1R<br>B_Right  | 15.64 | / | / | 20.97 | / | / | <=23 | Pass |
|                       |         | Outer_Fu<br>ll      | 14.90 | / | / | 20.23 | / | / | <=23 | Pass |
|                       |         | Inner_Ful<br>l      | 15.23 | / | / | 20.56 | / | / | <=23 | Pass |
|                       |         | Inner_1R<br>B_Left  | 15.02 | / | / | 20.35 | / | / | <=23 | Pass |
|                       |         | Inner_1R<br>B_Right | 14.87 | / | / | 20.20 | / | / | <=23 | Pass |
|                       |         |                     |       |   |   |       |   |   |      |      |
|                       | 3624.99 | Edge_1R<br>B_Left   | 15.61 | / | / | 20.94 | / | / | <=23 | Pass |
|                       |         | Edge_1R<br>B_Right  | 15.70 | / | / | 21.03 | / | / | <=23 | Pass |
|                       |         | Outer_Fu<br>ll      | 15.41 | / | / | 20.74 | / | / | <=23 | Pass |
|                       |         | Inner_Ful<br>l      | 15.37 | / | / | 20.70 | / | / | <=23 | Pass |
|                       |         | Inner_1R<br>B_Left  | 14.85 | / | / | 20.18 | / | / | <=23 | Pass |
|                       |         | Inner_1R<br>B_Right | 15.30 | / | / | 20.63 | / | / | <=23 | Pass |
|                       |         |                     |       |   |   |       |   |   |      |      |
|                       | 3694.98 | Edge_1R<br>B_Left   | 15.98 | / | / | 21.31 | / | / | <=23 | Pass |
|                       |         | Edge_1R<br>B_Right  | 16.17 | / | / | 21.50 | / | / | <=23 | Pass |
|                       |         | Outer_Fu<br>ll      | 16.25 | / | / | 21.58 | / | / | <=23 | Pass |
|                       |         | Inner_Ful<br>l      | 16.11 | / | / | 21.44 | / | / | <=23 | Pass |
|                       |         | Inner_1R<br>B_Left  | 15.76 | / | / | 21.09 | / | / | <=23 | Pass |
|                       |         | Inner_1R<br>B_Right | 16.13 | / | / | 21.46 | / | / | <=23 | Pass |
|                       |         |                     |       |   |   |       |   |   |      |      |
| CP-<br>OFDM<br>64 QAM | 3555    | Edge_1R<br>B_Left   | 15.10 | / | / | 20.43 | / | / | <=23 | Pass |
|                       |         | Edge_1R<br>B_Right  | 15.04 | / | / | 20.37 | / | / | <=23 | Pass |
|                       |         | Outer_Fu<br>ll      | 15.65 | / | / | 20.98 | / | / | <=23 | Pass |
|                       |         | Inner_Ful<br>l      | 15.38 | / | / | 20.71 | / | / | <=23 | Pass |

|                    |         |                     |       |   |   |       |   |   |      |      |
|--------------------|---------|---------------------|-------|---|---|-------|---|---|------|------|
| CP-OFDM<br>256 QAM |         | Inner_1R<br>B_Left  | 15.10 | / | / | 20.43 | / | / | <=23 | Pass |
|                    |         | Inner_1R<br>B_Right | 15.44 | / | / | 20.77 | / | / | <=23 | Pass |
|                    | 3624.99 | Edge_1R<br>B_Left   | 15.77 | / | / | 21.10 | / | / | <=23 | Pass |
|                    |         | Edge_1R<br>B_Right  | 15.33 | / | / | 20.66 | / | / | <=23 | Pass |
|                    |         | Outer_Fu<br>ll      | 15.47 | / | / | 20.80 | / | / | <=23 | Pass |
|                    |         | Inner_Ful<br>l      | 15.67 | / | / | 21.00 | / | / | <=23 | Pass |
|                    |         | Inner_1R<br>B_Left  | 15.62 | / | / | 20.95 | / | / | <=23 | Pass |
|                    |         | Inner_1R<br>B_Right | 15.73 | / | / | 21.06 | / | / | <=23 | Pass |
|                    |         |                     |       |   |   |       |   |   |      |      |
|                    | 3694.98 | Edge_1R<br>B_Left   | 16.20 | / | / | 21.53 | / | / | <=23 | Pass |
|                    |         | Edge_1R<br>B_Right  | 16.19 | / | / | 21.52 | / | / | <=23 | Pass |
|                    |         | Outer_Fu<br>ll      | 16.31 | / | / | 21.64 | / | / | <=23 | Pass |
|                    |         | Inner_Ful<br>l      | 15.82 | / | / | 21.15 | / | / | <=23 | Pass |
|                    |         | Inner_1R<br>B_Left  | 15.98 | / | / | 21.31 | / | / | <=23 | Pass |
|                    |         | Inner_1R<br>B_Right | 16.52 | / | / | 21.85 | / | / | <=23 | Pass |
|                    | 3555    | Edge_1R<br>B_Left   | 14.28 | / | / | 19.61 | / | / | <=23 | Pass |
|                    |         | Edge_1R<br>B_Right  | 14.65 | / | / | 19.98 | / | / | <=23 | Pass |
|                    |         | Outer_Fu<br>ll      | 15.34 | / | / | 20.67 | / | / | <=23 | Pass |
|                    |         | Inner_Ful<br>l      | 15.22 | / | / | 20.55 | / | / | <=23 | Pass |
|                    |         | Inner_1R<br>B_Left  | 14.55 | / | / | 19.88 | / | / | <=23 | Pass |
|                    |         | Inner_1R<br>B_Right | 14.66 | / | / | 19.99 | / | / | <=23 | Pass |
|                    | 3624.99 | Edge_1R<br>B_Left   | 15.03 | / | / | 20.36 | / | / | <=23 | Pass |
|                    |         | Edge_1R<br>B_Right  | 15.57 | / | / | 20.90 | / | / | <=23 | Pass |
|                    |         | Outer_Fu<br>ll      | 15.28 | / | / | 20.61 | / | / | <=23 | Pass |
|                    |         | Inner_Ful<br>l      | 15.31 | / | / | 20.64 | / | / | <=23 | Pass |
|                    |         | Inner_1R<br>B_Left  | 14.63 | / | / | 19.96 | / | / | <=23 | Pass |
|                    |         | Inner_1R<br>B_Right | 15.44 | / | / | 20.77 | / | / | <=23 | Pass |
|                    | 3694.98 | Edge_1R<br>B_Left   | 15.06 | / | / | 20.39 | / | / | <=23 | Pass |
|                    |         | Edge_1R<br>B_Right  | 16.43 | / | / | 21.76 | / | / | <=23 | Pass |
|                    |         | Outer_Fu<br>ll      | 15.79 | / | / | 21.12 | / | / | <=23 | Pass |
|                    |         | Inner_Ful<br>l      | 15.96 | / | / | 21.29 | / | / | <=23 | Pass |
|                    |         | Inner_1R            | 15.78 | / | / | 21.11 | / | / | <=23 | Pass |

|                                                                                                |  |                     |       |   |   |       |   |   |      |      |
|------------------------------------------------------------------------------------------------|--|---------------------|-------|---|---|-------|---|---|------|------|
|                                                                                                |  | B_Left              |       |   |   |       |   |   |      |      |
|                                                                                                |  | Inner_1R<br>B_Right | 15.59 | / | / | 20.92 | / | / | <=23 | Pass |
| Note1: Antenna Gain: Ant1: 5.33dBi; Ant2: 5.33dBi;<br>Note2: EIRP=Conducted Power+Antenna Gain |  |                     |       |   |   |       |   |   |      |      |

### 1.3 30k\_SISO\_20MHz\_NTNV\_EIRP

#### 1.3.1 Test Result

| 5G NR n48 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<br>PI/2<br>BPSK         | 3560.01         | Edge_1R<br>B_Left   | 12.57                | /    | /   | 17.90     | /    | /   | <=23  | Pass    |
|                                    |                 | Edge_1R<br>B_Right  | 13.42                | /    | /   | 18.75     | /    | /   | <=23  | Pass    |
|                                    |                 | Outer_Full          | 12.87                | /    | /   | 18.20     | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_Full          | 13.03                | /    | /   | 18.36     | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_1R<br>B_Left  | 12.53                | /    | /   | 17.86     | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_1R<br>B_Right | 13.32                | /    | /   | 18.65     | /    | /   | <=23  | Pass    |
|                                    | 3624.99         | Edge_1R<br>B_Left   | 14.10                | /    | /   | 19.43     | /    | /   | <=23  | Pass    |
|                                    |                 | Edge_1R<br>B_Right  | 13.98                | /    | /   | 19.31     | /    | /   | <=23  | Pass    |
|                                    |                 | Outer_Full          | 14.11                | /    | /   | 19.44     | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_Full          | 13.97                | /    | /   | 19.30     | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_1R<br>B_Left  | 13.97                | /    | /   | 19.30     | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_1R<br>B_Right | 13.99                | /    | /   | 19.32     | /    | /   | <=23  | Pass    |
|                                    | 3690            | Edge_1R<br>B_Left   | 14.40                | /    | /   | 19.73     | /    | /   | <=23  | Pass    |
|                                    |                 | Edge_1R<br>B_Right  | 14.32                | /    | /   | 19.65     | /    | /   | <=23  | Pass    |
|                                    |                 | Outer_Full          | 14.31                | /    | /   | 19.64     | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_Full          | 14.33                | /    | /   | 19.66     | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_1R<br>B_Left  | 14.38                | /    | /   | 19.71     | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_1R<br>B_Right | 14.42                | /    | /   | 19.75     | /    | /   | <=23  | Pass    |
| DFT-s-OFDM<br>QPSK                 | 3560.01         | Edge_1R<br>B_Left   | 12.34                | /    | /   | 17.67     | /    | /   | <=23  | Pass    |
|                                    |                 | Edge_1R<br>B_Right  | 13.20                | /    | /   | 18.53     | /    | /   | <=23  | Pass    |
|                                    |                 | Outer_Full          | 12.95                | /    | /   | 18.28     | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_Full          | 12.93                | /    | /   | 18.26     | /    | /   | <=23  | Pass    |

|                      |         |                     |       |   |   |       |   |   |      |      |
|----------------------|---------|---------------------|-------|---|---|-------|---|---|------|------|
| DFT-s-OFDM<br>16 QAM | 3624.99 | Inner_1R<br>B_Left  | 12.44 | / | / | 17.77 | / | / | <=23 | Pass |
|                      |         | Inner_1R<br>B_Right | 13.16 | / | / | 18.49 | / | / | <=23 | Pass |
|                      | 3624.99 | Edge_1R<br>B_Left   | 13.97 | / | / | 19.30 | / | / | <=23 | Pass |
|                      |         | Edge_1R<br>B_Right  | 13.85 | / | / | 19.18 | / | / | <=23 | Pass |
|                      |         | Outer_Fu<br>ll      | 14.04 | / | / | 19.37 | / | / | <=23 | Pass |
|                      |         | Inner_Ful<br>l      | 14.05 | / | / | 19.38 | / | / | <=23 | Pass |
|                      |         | Inner_1R<br>B_Left  | 14.10 | / | / | 19.43 | / | / | <=23 | Pass |
|                      |         | Inner_1R<br>B_Right | 13.93 | / | / | 19.26 | / | / | <=23 | Pass |
|                      |         | Edge_1R<br>B_Left   | 14.18 | / | / | 19.51 | / | / | <=23 | Pass |
|                      | 3690    | Edge_1R<br>B_Right  | 14.21 | / | / | 19.54 | / | / | <=23 | Pass |
|                      |         | Outer_Fu<br>ll      | 14.24 | / | / | 19.57 | / | / | <=23 | Pass |
|                      |         | Inner_Ful<br>l      | 14.27 | / | / | 19.60 | / | / | <=23 | Pass |
|                      |         | Inner_1R<br>B_Left  | 14.19 | / | / | 19.52 | / | / | <=23 | Pass |
|                      |         | Inner_1R<br>B_Right | 14.20 | / | / | 19.53 | / | / | <=23 | Pass |
|                      |         | Edge_1R<br>B_Left   | 12.26 | / | / | 17.59 | / | / | <=23 | Pass |
|                      | 3560.01 | Edge_1R<br>B_Right  | 13.22 | / | / | 18.55 | / | / | <=23 | Pass |
|                      |         | Outer_Fu<br>ll      | 13.02 | / | / | 18.35 | / | / | <=23 | Pass |
|                      |         | Inner_Ful<br>l      | 12.95 | / | / | 18.28 | / | / | <=23 | Pass |
|                      |         | Inner_1R<br>B_Left  | 12.23 | / | / | 17.56 | / | / | <=23 | Pass |
|                      |         | Inner_1R<br>B_Right | 13.06 | / | / | 18.39 | / | / | <=23 | Pass |
|                      |         | Edge_1R<br>B_Left   | 13.82 | / | / | 19.15 | / | / | <=23 | Pass |
|                      | 3624.99 | Edge_1R<br>B_Right  | 13.67 | / | / | 19.00 | / | / | <=23 | Pass |
|                      |         | Outer_Fu<br>ll      | 13.97 | / | / | 19.30 | / | / | <=23 | Pass |
|                      |         | Inner_Ful<br>l      | 14.10 | / | / | 19.43 | / | / | <=23 | Pass |
|                      |         | Inner_1R<br>B_Left  | 13.88 | / | / | 19.21 | / | / | <=23 | Pass |
|                      |         | Inner_1R<br>B_Right | 13.79 | / | / | 19.12 | / | / | <=23 | Pass |
|                      |         | Edge_1R<br>B_Left   | 14.01 | / | / | 19.34 | / | / | <=23 | Pass |
|                      | 3690    | Edge_1R<br>B_Right  | 14.13 | / | / | 19.46 | / | / | <=23 | Pass |
|                      |         | Outer_Fu<br>ll      | 14.25 | / | / | 19.58 | / | / | <=23 | Pass |
|                      |         | Inner_Ful<br>l      | 14.23 | / | / | 19.56 | / | / | <=23 | Pass |
|                      |         | Inner_1R            | 14.21 | / | / | 19.54 | / | / | <=23 | Pass |

|                       |         |                     |       |   |   |       |   |   |      |      |
|-----------------------|---------|---------------------|-------|---|---|-------|---|---|------|------|
|                       |         | B_Left              |       |   |   |       |   |   |      |      |
|                       |         | Inner_1R<br>B_Right | 14.13 | / | / | 19.46 | / | / | <=23 | Pass |
| DFT-s-OFDM<br>64 QAM  | 3560.01 | Edge_1R<br>B_Left   | 12.50 | / | / | 17.83 | / | / | <=23 | Pass |
|                       |         | Edge_1R<br>B_Right  | 13.12 | / | / | 18.45 | / | / | <=23 | Pass |
|                       |         | Outer_Fu<br>ll      | 13.01 | / | / | 18.34 | / | / | <=23 | Pass |
|                       |         | Inner_Ful<br>l      | 12.88 | / | / | 18.21 | / | / | <=23 | Pass |
|                       |         | Inner_1R<br>B_Left  | 12.38 | / | / | 17.71 | / | / | <=23 | Pass |
|                       |         | Inner_1R<br>B_Right | 13.16 | / | / | 18.49 | / | / | <=23 | Pass |
|                       | 3624.99 | Edge_1R<br>B_Left   | 14.06 | / | / | 19.39 | / | / | <=23 | Pass |
|                       |         | Edge_1R<br>B_Right  | 13.91 | / | / | 19.24 | / | / | <=23 | Pass |
|                       |         | Outer_Fu<br>ll      | 14.07 | / | / | 19.40 | / | / | <=23 | Pass |
|                       |         | Inner_Ful<br>l      | 13.97 | / | / | 19.30 | / | / | <=23 | Pass |
|                       |         | Inner_1R<br>B_Left  | 14.05 | / | / | 19.38 | / | / | <=23 | Pass |
|                       |         | Inner_1R<br>B_Right | 13.83 | / | / | 19.16 | / | / | <=23 | Pass |
|                       | 3690    | Edge_1R<br>B_Left   | 14.35 | / | / | 19.68 | / | / | <=23 | Pass |
|                       |         | Edge_1R<br>B_Right  | 14.23 | / | / | 19.56 | / | / | <=23 | Pass |
|                       |         | Outer_Fu<br>ll      | 14.29 | / | / | 19.62 | / | / | <=23 | Pass |
|                       |         | Inner_Ful<br>l      | 14.25 | / | / | 19.58 | / | / | <=23 | Pass |
|                       |         | Inner_1R<br>B_Left  | 14.22 | / | / | 19.55 | / | / | <=23 | Pass |
|                       |         | Inner_1R<br>B_Right | 14.28 | / | / | 19.61 | / | / | <=23 | Pass |
| DFT-s-OFDM<br>256 QAM | 3560.01 | Edge_1R<br>B_Left   | 11.94 | / | / | 17.27 | / | / | <=23 | Pass |
|                       |         | Edge_1R<br>B_Right  | 12.75 | / | / | 18.08 | / | / | <=23 | Pass |
|                       |         | Outer_Fu<br>ll      | 12.89 | / | / | 18.22 | / | / | <=23 | Pass |
|                       |         | Inner_Ful<br>l      | 12.89 | / | / | 18.22 | / | / | <=23 | Pass |
|                       |         | Inner_1R<br>B_Left  | 11.96 | / | / | 17.29 | / | / | <=23 | Pass |
|                       |         | Inner_1R<br>B_Right | 12.75 | / | / | 18.08 | / | / | <=23 | Pass |
|                       | 3624.99 | Edge_1R<br>B_Left   | 13.50 | / | / | 18.83 | / | / | <=23 | Pass |
|                       |         | Edge_1R<br>B_Right  | 13.78 | / | / | 19.11 | / | / | <=23 | Pass |
|                       |         | Outer_Fu<br>ll      | 13.96 | / | / | 19.29 | / | / | <=23 | Pass |
|                       |         | Inner_Ful<br>l      | 13.89 | / | / | 19.22 | / | / | <=23 | Pass |
|                       |         | Inner_1R<br>B_Left  | 13.58 | / | / | 18.91 | / | / | <=23 | Pass |

|                     |                       |                     |                    |       |   |       |       |   |      |      |      |
|---------------------|-----------------------|---------------------|--------------------|-------|---|-------|-------|---|------|------|------|
|                     |                       | Inner_1R<br>B_Right | 13.50              | /     | / | 18.83 | /     | / | <=23 | Pass |      |
|                     | 3690                  | Edge_1R<br>B_Left   | 13.87              | /     | / | 19.20 | /     | / | <=23 | Pass |      |
|                     |                       | Edge_1R<br>B_Right  | 13.84              | /     | / | 19.17 | /     | / | <=23 | Pass |      |
|                     |                       | Outer_Fu<br>ll      | 14.22              | /     | / | 19.55 | /     | / | <=23 | Pass |      |
|                     |                       | Inner_Ful<br>l      | 14.25              | /     | / | 19.58 | /     | / | <=23 | Pass |      |
|                     |                       | Inner_1R<br>B_Left  | 13.93              | /     | / | 19.26 | /     | / | <=23 | Pass |      |
|                     |                       | Inner_1R<br>B_Right | 13.94              | /     | / | 19.27 | /     | / | <=23 | Pass |      |
| CP-<br>OFDM<br>QPSK | 3560.01               | Edge_1R<br>B_Left   | 12.34              | /     | / | 17.67 | /     | / | <=23 | Pass |      |
|                     |                       | Edge_1R<br>B_Right  | 13.16              | /     | / | 18.49 | /     | / | <=23 | Pass |      |
|                     |                       | Outer_Fu<br>ll      | 12.95              | /     | / | 18.28 | /     | / | <=23 | Pass |      |
|                     |                       | Inner_Ful<br>l      | 12.85              | /     | / | 18.18 | /     | / | <=23 | Pass |      |
|                     |                       | Inner_1R<br>B_Left  | 12.40              | /     | / | 17.73 | /     | / | <=23 | Pass |      |
|                     |                       | Inner_1R<br>B_Right | 13.28              | /     | / | 18.61 | /     | / | <=23 | Pass |      |
|                     |                       | 3624.99             | Edge_1R<br>B_Left  | 13.99 | / | /     | 19.32 | / | /    | <=23 | Pass |
|                     | Edge_1R<br>B_Right    |                     | 13.83              | /     | / | 19.16 | /     | / | <=23 | Pass |      |
|                     | Outer_Fu<br>ll        |                     | 13.88              | /     | / | 19.21 | /     | / | <=23 | Pass |      |
|                     | Inner_Ful<br>l        |                     | 13.95              | /     | / | 19.28 | /     | / | <=23 | Pass |      |
|                     | Inner_1R<br>B_Left    |                     | 13.91              | /     | / | 19.24 | /     | / | <=23 | Pass |      |
|                     | Inner_1R<br>B_Right   |                     | 13.95              | /     | / | 19.28 | /     | / | <=23 | Pass |      |
|                     | 3690                  |                     | Edge_1R<br>B_Left  | 14.26 | / | /     | 19.59 | / | /    | <=23 | Pass |
|                     |                       | Edge_1R<br>B_Right  | 14.20              | /     | / | 19.53 | /     | / | <=23 | Pass |      |
|                     |                       | Outer_Fu<br>ll      | 14.28              | /     | / | 19.61 | /     | / | <=23 | Pass |      |
|                     |                       | Inner_Ful<br>l      | 14.28              | /     | / | 19.61 | /     | / | <=23 | Pass |      |
|                     |                       | Inner_1R<br>B_Left  | 14.27              | /     | / | 19.60 | /     | / | <=23 | Pass |      |
|                     |                       | Inner_1R<br>B_Right | 14.12              | /     | / | 19.45 | /     | / | <=23 | Pass |      |
|                     | CP-<br>OFDM<br>16 QAM | 3560.01             | Edge_1R<br>B_Left  | 12.22 | / | /     | 17.55 | / | /    | <=23 | Pass |
|                     |                       |                     | Edge_1R<br>B_Right | 13.36 | / | /     | 18.69 | / | /    | <=23 | Pass |
|                     |                       |                     | Outer_Fu<br>ll     | 12.98 | / | /     | 18.31 | / | /    | <=23 | Pass |
| Inner_Ful<br>l      |                       |                     | 13.04              | /     | / | 18.37 | /     | / | <=23 | Pass |      |
| Inner_1R<br>B_Left  |                       |                     | 12.28              | /     | / | 17.61 | /     | / | <=23 | Pass |      |
| Inner_1R            |                       |                     | 13.15              | /     | / | 18.48 | /     | / | <=23 | Pass |      |

|                   |         |                     |       |   |   |       |   |   |      |      |
|-------------------|---------|---------------------|-------|---|---|-------|---|---|------|------|
| CP-OFDM<br>64 QAM | 3624.99 | B_Right             |       |   |   |       |   |   |      |      |
|                   |         | Edge_1R<br>B_Left   | 13.80 | / | / | 19.13 | / | / | <=23 | Pass |
|                   |         | Edge_1R<br>B_Right  | 13.71 | / | / | 19.04 | / | / | <=23 | Pass |
|                   |         | Outer_Fu<br>ll      | 13.92 | / | / | 19.25 | / | / | <=23 | Pass |
|                   |         | Inner_Ful<br>l      | 13.99 | / | / | 19.32 | / | / | <=23 | Pass |
|                   |         | Inner_1R<br>B_Left  | 13.88 | / | / | 19.21 | / | / | <=23 | Pass |
|                   |         | Inner_1R<br>B_Right | 13.74 | / | / | 19.07 | / | / | <=23 | Pass |
|                   |         | Edge_1R<br>B_Left   | 14.03 | / | / | 19.36 | / | / | <=23 | Pass |
|                   |         | Edge_1R<br>B_Right  | 14.12 | / | / | 19.45 | / | / | <=23 | Pass |
|                   |         | Outer_Fu<br>ll      | 14.15 | / | / | 19.48 | / | / | <=23 | Pass |
|                   |         | Inner_Ful<br>l      | 14.25 | / | / | 19.58 | / | / | <=23 | Pass |
|                   |         | Inner_1R<br>B_Left  | 14.16 | / | / | 19.49 | / | / | <=23 | Pass |
|                   |         | Inner_1R<br>B_Right | 14.13 | / | / | 19.46 | / | / | <=23 | Pass |
|                   | 3690    | Edge_1R<br>B_Left   | 12.57 | / | / | 17.90 | / | / | <=23 | Pass |
|                   |         | Edge_1R<br>B_Right  | 13.17 | / | / | 18.50 | / | / | <=23 | Pass |
|                   |         | Outer_Fu<br>ll      | 12.92 | / | / | 18.25 | / | / | <=23 | Pass |
|                   |         | Inner_Ful<br>l      | 12.87 | / | / | 18.20 | / | / | <=23 | Pass |
|                   |         | Inner_1R<br>B_Left  | 12.53 | / | / | 17.86 | / | / | <=23 | Pass |
|                   |         | Inner_1R<br>B_Right | 13.30 | / | / | 18.63 | / | / | <=23 | Pass |
|                   |         | Edge_1R<br>B_Left   | 14.07 | / | / | 19.40 | / | / | <=23 | Pass |
|                   |         | Edge_1R<br>B_Right  | 14.14 | / | / | 19.47 | / | / | <=23 | Pass |
|                   |         | Outer_Fu<br>ll      | 13.86 | / | / | 19.19 | / | / | <=23 | Pass |
|                   |         | Inner_Ful<br>l      | 14.01 | / | / | 19.34 | / | / | <=23 | Pass |
|                   |         | Inner_1R<br>B_Left  | 14.03 | / | / | 19.36 | / | / | <=23 | Pass |
|                   |         | Inner_1R<br>B_Right | 14.06 | / | / | 19.39 | / | / | <=23 | Pass |
|                   |         | Edge_1R<br>B_Left   | 14.14 | / | / | 19.47 | / | / | <=23 | Pass |
|                   |         | Edge_1R<br>B_Right  | 14.27 | / | / | 19.60 | / | / | <=23 | Pass |
|                   |         | Outer_Fu<br>ll      | 14.31 | / | / | 19.64 | / | / | <=23 | Pass |
|                   |         | Inner_Ful<br>l      | 14.33 | / | / | 19.66 | / | / | <=23 | Pass |
|                   |         | Inner_1R<br>B_Left  | 14.39 | / | / | 19.72 | / | / | <=23 | Pass |
|                   |         | Inner_1R<br>B_Right | 14.38 | / | / | 19.71 | / | / | <=23 | Pass |

|                                                                                                |         |                     |       |   |   |       |   |   |      |      |
|------------------------------------------------------------------------------------------------|---------|---------------------|-------|---|---|-------|---|---|------|------|
| CP-OFDM<br>256 QAM                                                                             | 3560.01 | Edge_1R<br>B_Left   | 12.03 | / | / | 17.36 | / | / | <=23 | Pass |
|                                                                                                |         | Edge_1R<br>B_Right  | 12.72 | / | / | 18.05 | / | / | <=23 | Pass |
|                                                                                                |         | Outer_Fu<br>ll      | 12.85 | / | / | 18.18 | / | / | <=23 | Pass |
|                                                                                                |         | Inner_Ful<br>l      | 12.88 | / | / | 18.21 | / | / | <=23 | Pass |
|                                                                                                |         | Inner_1R<br>B_Left  | 11.90 | / | / | 17.23 | / | / | <=23 | Pass |
|                                                                                                |         | Inner_1R<br>B_Right | 12.74 | / | / | 18.07 | / | / | <=23 | Pass |
|                                                                                                | 3624.99 | Edge_1R<br>B_Left   | 13.47 | / | / | 18.80 | / | / | <=23 | Pass |
|                                                                                                |         | Edge_1R<br>B_Right  | 13.41 | / | / | 18.74 | / | / | <=23 | Pass |
|                                                                                                |         | Outer_Fu<br>ll      | 14.01 | / | / | 19.34 | / | / | <=23 | Pass |
|                                                                                                |         | Inner_Ful<br>l      | 13.86 | / | / | 19.19 | / | / | <=23 | Pass |
|                                                                                                |         | Inner_1R<br>B_Left  | 13.60 | / | / | 18.93 | / | / | <=23 | Pass |
|                                                                                                |         | Inner_1R<br>B_Right | 13.50 | / | / | 18.83 | / | / | <=23 | Pass |
|                                                                                                | 3690    | Edge_1R<br>B_Left   | 13.66 | / | / | 18.99 | / | / | <=23 | Pass |
|                                                                                                |         | Edge_1R<br>B_Right  | 13.80 | / | / | 19.13 | / | / | <=23 | Pass |
|                                                                                                |         | Outer_Fu<br>ll      | 14.35 | / | / | 19.68 | / | / | <=23 | Pass |
|                                                                                                |         | Inner_Ful<br>l      | 14.19 | / | / | 19.52 | / | / | <=23 | Pass |
|                                                                                                |         | Inner_1R<br>B_Left  | 13.79 | / | / | 19.12 | / | / | <=23 | Pass |
|                                                                                                |         | Inner_1R<br>B_Right | 13.75 | / | / | 19.08 | / | / | <=23 | Pass |
| Note1: Antenna Gain: Ant1: 5.33dBi; Ant2: 5.33dBi;<br>Note2: EIRP=Conducted Power+Antenna Gain |         |                     |       |   |   |       |   |   |      |      |

## 1.4 30k\_SISO\_20MHz\_NTNV\_EIRP/10MHz

### 1.4.1 Test Result

| 5G NR n48 SCS=30kHz SISO 20MHz NTN |                 |                 |                            |      |     |                 |      |     |       |         |
|------------------------------------|-----------------|-----------------|----------------------------|------|-----|-----------------|------|-----|-------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation   | Conducted Power(dBm/10MHz) |      |     | EIRP(dBm/10MHz) |      |     |       | Verdict |
|                                    |                 |                 | Ant1                       | Ant2 | Sum | Ant1            | Ant2 | Sum | Limit |         |
| DFT-s-OFDM<br>PI/2<br>BPSK         | 3560.01         | Edge_1RB_Left   | 15.08                      | /    | /   | 20.41           | /    | /   | <=23  | Pass    |
|                                    |                 | Edge_1RB_Right  | 15.38                      | /    | /   | 20.71           | /    | /   | <=23  | Pass    |
|                                    |                 | Outer_Full      | 12.20                      | /    | /   | 17.53           | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_Full      | 15.39                      | /    | /   | 20.72           | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_1RB_Left  | 14.43                      | /    | /   | 19.76           | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_1RB_Right | 14.84                      | /    | /   | 20.17           | /    | /   | <=23  | Pass    |

|                 |         |                     |       |   |   |       |   |   |      |      |
|-----------------|---------|---------------------|-------|---|---|-------|---|---|------|------|
| DFT-s-OFDM QPSK | 3624.99 | B_Right             |       |   |   |       |   |   |      |      |
|                 |         | Edge_1R<br>B_Left   | 15.42 | / | / | 20.75 | / | / | <=23 | Pass |
|                 |         | Edge_1R<br>B_Right  | 15.53 | / | / | 20.86 | / | / | <=23 | Pass |
|                 |         | Outer_Fu<br>ll      | 12.74 | / | / | 18.07 | / | / | <=23 | Pass |
|                 |         | Inner_Ful<br>l      | 15.45 | / | / | 20.78 | / | / | <=23 | Pass |
|                 |         | Inner_1R<br>B_Left  | 15.49 | / | / | 20.82 | / | / | <=23 | Pass |
|                 |         | Inner_1R<br>B_Right | 15.53 | / | / | 20.86 | / | / | <=23 | Pass |
|                 |         | Edge_1R<br>B_Left   | 16.58 | / | / | 21.91 | / | / | <=23 | Pass |
|                 |         | Edge_1R<br>B_Right  | 17.00 | / | / | 22.33 | / | / | <=23 | Pass |
|                 |         | Outer_Fu<br>ll      | 13.81 | / | / | 19.14 | / | / | <=23 | Pass |
|                 |         | Inner_Ful<br>l      | 16.22 | / | / | 21.55 | / | / | <=23 | Pass |
|                 |         | Inner_1R<br>B_Left  | 16.23 | / | / | 21.56 | / | / | <=23 | Pass |
|                 |         | Inner_1R<br>B_Right | 16.90 | / | / | 22.23 | / | / | <=23 | Pass |
|                 | 3560.01 | Edge_1R<br>B_Left   | 15.21 | / | / | 20.54 | / | / | <=23 | Pass |
|                 |         | Edge_1R<br>B_Right  | 14.66 | / | / | 19.99 | / | / | <=23 | Pass |
|                 |         | Outer_Fu<br>ll      | 12.69 | / | / | 18.02 | / | / | <=23 | Pass |
|                 |         | Inner_Ful<br>l      | 14.96 | / | / | 20.29 | / | / | <=23 | Pass |
|                 |         | Inner_1R<br>B_Left  | 15.21 | / | / | 20.54 | / | / | <=23 | Pass |
|                 |         | Inner_1R<br>B_Right | 14.79 | / | / | 20.12 | / | / | <=23 | Pass |
|                 |         | Edge_1R<br>B_Left   | 15.66 | / | / | 20.99 | / | / | <=23 | Pass |
|                 |         | Edge_1R<br>B_Right  | 16.03 | / | / | 21.36 | / | / | <=23 | Pass |
|                 |         | Outer_Fu<br>ll      | 13.21 | / | / | 18.54 | / | / | <=23 | Pass |
|                 |         | Inner_Ful<br>l      | 15.99 | / | / | 21.32 | / | / | <=23 | Pass |
|                 |         | Inner_1R<br>B_Left  | 15.98 | / | / | 21.31 | / | / | <=23 | Pass |
|                 |         | Inner_1R<br>B_Right | 15.82 | / | / | 21.15 | / | / | <=23 | Pass |
|                 |         | Edge_1R<br>B_Left   | 16.71 | / | / | 22.04 | / | / | <=23 | Pass |
|                 |         | Edge_1R<br>B_Right  | 17.34 | / | / | 22.67 | / | / | <=23 | Pass |
|                 |         | Outer_Fu<br>ll      | 14.11 | / | / | 19.44 | / | / | <=23 | Pass |
|                 |         | Inner_Ful<br>l      | 17.04 | / | / | 22.37 | / | / | <=23 | Pass |
|                 |         | Inner_1R<br>B_Left  | 16.77 | / | / | 22.10 | / | / | <=23 | Pass |
|                 |         | Inner_1R<br>B_Right | 16.70 | / | / | 22.03 | / | / | <=23 | Pass |

|                      |         |                     |       |   |   |       |   |   |      |      |
|----------------------|---------|---------------------|-------|---|---|-------|---|---|------|------|
| DFT-s-OFDM<br>16 QAM | 3560.01 | Edge_1R<br>B_Left   | 14.79 | / | / | 20.12 | / | / | <=23 | Pass |
|                      |         | Edge_1R<br>B_Right  | 14.49 | / | / | 19.82 | / | / | <=23 | Pass |
|                      |         | Outer_Fu<br>ll      | 12.38 | / | / | 17.71 | / | / | <=23 | Pass |
|                      |         | Inner_Ful<br>l      | 15.36 | / | / | 20.69 | / | / | <=23 | Pass |
|                      |         | Inner_1R<br>B_Left  | 14.88 | / | / | 20.21 | / | / | <=23 | Pass |
|                      |         | Inner_1R<br>B_Right | 14.71 | / | / | 20.04 | / | / | <=23 | Pass |
|                      | 3624.99 | Edge_1R<br>B_Left   | 15.57 | / | / | 20.90 | / | / | <=23 | Pass |
|                      |         | Edge_1R<br>B_Right  | 15.98 | / | / | 21.31 | / | / | <=23 | Pass |
|                      |         | Outer_Fu<br>ll      | 13.28 | / | / | 18.61 | / | / | <=23 | Pass |
|                      |         | Inner_Ful<br>l      | 16.15 | / | / | 21.48 | / | / | <=23 | Pass |
|                      |         | Inner_1R<br>B_Left  | 16.38 | / | / | 21.71 | / | / | <=23 | Pass |
|                      |         | Inner_1R<br>B_Right | 15.62 | / | / | 20.95 | / | / | <=23 | Pass |
|                      | 3690    | Edge_1R<br>B_Left   | 16.75 | / | / | 22.08 | / | / | <=23 | Pass |
|                      |         | Edge_1R<br>B_Right  | 17.25 | / | / | 22.58 | / | / | <=23 | Pass |
|                      |         | Outer_Fu<br>ll      | 14.19 | / | / | 19.52 | / | / | <=23 | Pass |
|                      |         | Inner_Ful<br>l      | 16.59 | / | / | 21.92 | / | / | <=23 | Pass |
|                      |         | Inner_1R<br>B_Left  | 16.30 | / | / | 21.63 | / | / | <=23 | Pass |
|                      |         | Inner_1R<br>B_Right | 17.19 | / | / | 22.52 | / | / | <=23 | Pass |
| DFT-s-OFDM<br>64 QAM | 3560.01 | Edge_1R<br>B_Left   | 15.48 | / | / | 20.81 | / | / | <=23 | Pass |
|                      |         | Edge_1R<br>B_Right  | 14.59 | / | / | 19.92 | / | / | <=23 | Pass |
|                      |         | Outer_Fu<br>ll      | 12.13 | / | / | 17.46 | / | / | <=23 | Pass |
|                      |         | Inner_Ful<br>l      | 15.13 | / | / | 20.46 | / | / | <=23 | Pass |
|                      |         | Inner_1R<br>B_Left  | 14.93 | / | / | 20.26 | / | / | <=23 | Pass |
|                      |         | Inner_1R<br>B_Right | 15.41 | / | / | 20.74 | / | / | <=23 | Pass |
|                      | 3624.99 | Edge_1R<br>B_Left   | 16.09 | / | / | 21.42 | / | / | <=23 | Pass |
|                      |         | Edge_1R<br>B_Right  | 16.20 | / | / | 21.53 | / | / | <=23 | Pass |
|                      |         | Outer_Fu<br>ll      | 13.84 | / | / | 19.17 | / | / | <=23 | Pass |
|                      |         | Inner_Ful<br>l      | 15.72 | / | / | 21.05 | / | / | <=23 | Pass |
|                      |         | Inner_1R<br>B_Left  | 15.75 | / | / | 21.08 | / | / | <=23 | Pass |
|                      |         | Inner_1R<br>B_Right | 15.90 | / | / | 21.23 | / | / | <=23 | Pass |
|                      | 3690    | Edge_1R             | 16.51 | / | / | 21.84 | / | / | <=23 | Pass |

|                           |         |                     |       |   |   |       |   |   |      |      |
|---------------------------|---------|---------------------|-------|---|---|-------|---|---|------|------|
|                           |         | B_Left              |       |   |   |       |   |   |      |      |
|                           |         | Edge_1R<br>B_Right  | 16.22 | / | / | 21.55 | / | / | <=23 | Pass |
|                           |         | Outer_Fu<br>ll      | 14.77 | / | / | 20.10 | / | / | <=23 | Pass |
|                           |         | Inner_Ful<br>l      | 16.90 | / | / | 22.23 | / | / | <=23 | Pass |
|                           |         | Inner_1R<br>B_Left  | 17.11 | / | / | 22.44 | / | / | <=23 | Pass |
|                           |         | Inner_1R<br>B_Right | 17.27 | / | / | 22.60 | / | / | <=23 | Pass |
| DFT-s-<br>OFDM<br>256 QAM | 3560.01 | Edge_1R<br>B_Left   | 14.84 | / | / | 20.17 | / | / | <=23 | Pass |
|                           |         | Edge_1R<br>B_Right  | 14.56 | / | / | 19.89 | / | / | <=23 | Pass |
|                           |         | Outer_Fu<br>ll      | 12.63 | / | / | 17.96 | / | / | <=23 | Pass |
|                           |         | Inner_Ful<br>l      | 14.73 | / | / | 20.06 | / | / | <=23 | Pass |
|                           |         | Inner_1R<br>B_Left  | 14.58 | / | / | 19.91 | / | / | <=23 | Pass |
|                           |         | Inner_1R<br>B_Right | 14.26 | / | / | 19.59 | / | / | <=23 | Pass |
|                           | 3624.99 | Edge_1R<br>B_Left   | 15.39 | / | / | 20.72 | / | / | <=23 | Pass |
|                           |         | Edge_1R<br>B_Right  | 15.27 | / | / | 20.60 | / | / | <=23 | Pass |
|                           |         | Outer_Fu<br>ll      | 13.49 | / | / | 18.82 | / | / | <=23 | Pass |
|                           |         | Inner_Ful<br>l      | 16.03 | / | / | 21.36 | / | / | <=23 | Pass |
|                           |         | Inner_1R<br>B_Left  | 15.80 | / | / | 21.13 | / | / | <=23 | Pass |
|                           |         | Inner_1R<br>B_Right | 15.77 | / | / | 21.10 | / | / | <=23 | Pass |
|                           | 3690    | Edge_1R<br>B_Left   | 16.86 | / | / | 22.19 | / | / | <=23 | Pass |
|                           |         | Edge_1R<br>B_Right  | 16.00 | / | / | 21.33 | / | / | <=23 | Pass |
|                           |         | Outer_Fu<br>ll      | 14.01 | / | / | 19.34 | / | / | <=23 | Pass |
|                           |         | Inner_Ful<br>l      | 16.77 | / | / | 22.10 | / | / | <=23 | Pass |
|                           |         | Inner_1R<br>B_Left  | 17.08 | / | / | 22.41 | / | / | <=23 | Pass |
|                           |         | Inner_1R<br>B_Right | 16.82 | / | / | 22.15 | / | / | <=23 | Pass |
| CP-<br>OFDM<br>QPSK       | 3560.01 | Edge_1R<br>B_Left   | 15.00 | / | / | 20.33 | / | / | <=23 | Pass |
|                           |         | Edge_1R<br>B_Right  | 14.40 | / | / | 19.73 | / | / | <=23 | Pass |
|                           |         | Outer_Fu<br>ll      | 12.60 | / | / | 17.93 | / | / | <=23 | Pass |
|                           |         | Inner_Ful<br>l      | 15.05 | / | / | 20.38 | / | / | <=23 | Pass |
|                           |         | Inner_1R<br>B_Left  | 14.61 | / | / | 19.94 | / | / | <=23 | Pass |
|                           |         | Inner_1R<br>B_Right | 14.31 | / | / | 19.64 | / | / | <=23 | Pass |
|                           | 3624.99 | Edge_1R<br>B_Left   | 15.87 | / | / | 21.20 | / | / | <=23 | Pass |

|                   |         |                     |       |   |   |       |   |   |      |      |
|-------------------|---------|---------------------|-------|---|---|-------|---|---|------|------|
| CP-OFDM<br>16 QAM | 3690    | Edge_1R<br>B_Right  | 15.17 | / | / | 20.50 | / | / | <=23 | Pass |
|                   |         | Outer_Fu<br>II      | 13.37 | / | / | 18.70 | / | / | <=23 | Pass |
|                   |         | Inner_Ful<br>I      | 15.39 | / | / | 20.72 | / | / | <=23 | Pass |
|                   |         | Inner_1R<br>B_Left  | 16.10 | / | / | 21.43 | / | / | <=23 | Pass |
|                   |         | Inner_1R<br>B_Right | 15.89 | / | / | 21.22 | / | / | <=23 | Pass |
|                   |         | Edge_1R<br>B_Left   | 16.10 | / | / | 21.43 | / | / | <=23 | Pass |
|                   | 3560.01 | Edge_1R<br>B_Right  | 17.08 | / | / | 22.41 | / | / | <=23 | Pass |
|                   |         | Outer_Fu<br>II      | 14.05 | / | / | 19.38 | / | / | <=23 | Pass |
|                   |         | Inner_Ful<br>I      | 16.16 | / | / | 21.49 | / | / | <=23 | Pass |
|                   |         | Inner_1R<br>B_Left  | 15.89 | / | / | 21.22 | / | / | <=23 | Pass |
|                   |         | Inner_1R<br>B_Right | 17.23 | / | / | 22.56 | / | / | <=23 | Pass |
|                   |         | Edge_1R<br>B_Left   | 14.91 | / | / | 20.24 | / | / | <=23 | Pass |
| CP-OFDM<br>64 QAM | 3624.99 | Edge_1R<br>B_Right  | 14.59 | / | / | 19.92 | / | / | <=23 | Pass |
|                   |         | Outer_Fu<br>II      | 12.53 | / | / | 17.86 | / | / | <=23 | Pass |
|                   |         | Inner_Ful<br>I      | 14.84 | / | / | 20.17 | / | / | <=23 | Pass |
|                   |         | Inner_1R<br>B_Left  | 14.27 | / | / | 19.60 | / | / | <=23 | Pass |
|                   |         | Inner_1R<br>B_Right | 15.00 | / | / | 20.33 | / | / | <=23 | Pass |
|                   |         | Edge_1R<br>B_Left   | 15.75 | / | / | 21.08 | / | / | <=23 | Pass |
|                   | 3690    | Edge_1R<br>B_Right  | 15.58 | / | / | 20.91 | / | / | <=23 | Pass |
|                   |         | Outer_Fu<br>II      | 13.51 | / | / | 18.84 | / | / | <=23 | Pass |
|                   |         | Inner_Ful<br>I      | 15.99 | / | / | 21.32 | / | / | <=23 | Pass |
|                   |         | Inner_1R<br>B_Left  | 15.79 | / | / | 21.12 | / | / | <=23 | Pass |
|                   |         | Inner_1R<br>B_Right | 16.15 | / | / | 21.48 | / | / | <=23 | Pass |
|                   |         | Edge_1R<br>B_Left   | 16.54 | / | / | 21.87 | / | / | <=23 | Pass |
|                   | 3560.01 | Edge_1R<br>B_Right  | 16.93 | / | / | 22.26 | / | / | <=23 | Pass |
|                   |         | Outer_Fu<br>II      | 14.21 | / | / | 19.54 | / | / | <=23 | Pass |
|                   |         | Inner_Ful<br>I      | 16.39 | / | / | 21.72 | / | / | <=23 | Pass |
|                   |         | Inner_1R<br>B_Left  | 16.05 | / | / | 21.38 | / | / | <=23 | Pass |
|                   |         | Inner_1R<br>B_Right | 16.62 | / | / | 21.95 | / | / | <=23 | Pass |
|                   |         | Edge_1R<br>B_Left   | 14.84 | / | / | 20.17 | / | / | <=23 | Pass |
|                   | 3560.01 | Edge_1R             | 15.07 | / | / | 20.40 | / | / | <=23 | Pass |

|                    |         |                     |       |   |   |       |   |   |      |      |
|--------------------|---------|---------------------|-------|---|---|-------|---|---|------|------|
| CP-OFDM<br>256 QAM | 3624.99 | B_Right             |       |   |   |       |   |   |      |      |
|                    |         | Outer_Fu<br>II      | 12.13 | / | / | 17.46 | / | / | <=23 | Pass |
|                    |         | Inner_Ful<br>I      | 15.27 | / | / | 20.60 | / | / | <=23 | Pass |
|                    |         | Inner_1R<br>B_Left  | 15.32 | / | / | 20.65 | / | / | <=23 | Pass |
|                    |         | Inner_1R<br>B_Right | 14.69 | / | / | 20.02 | / | / | <=23 | Pass |
|                    |         | Edge_1R<br>B_Left   | 16.17 | / | / | 21.50 | / | / | <=23 | Pass |
|                    |         | Edge_1R<br>B_Right  | 16.66 | / | / | 21.99 | / | / | <=23 | Pass |
|                    |         | Outer_Fu<br>II      | 13.61 | / | / | 18.94 | / | / | <=23 | Pass |
|                    |         | Inner_Ful<br>I      | 15.86 | / | / | 21.19 | / | / | <=23 | Pass |
|                    |         | Inner_1R<br>B_Left  | 15.83 | / | / | 21.16 | / | / | <=23 | Pass |
|                    |         | Inner_1R<br>B_Right | 15.77 | / | / | 21.10 | / | / | <=23 | Pass |
|                    |         | Edge_1R<br>B_Left   | 15.75 | / | / | 21.08 | / | / | <=23 | Pass |
|                    | 3690    | Edge_1R<br>B_Right  | 16.69 | / | / | 22.02 | / | / | <=23 | Pass |
|                    |         | Outer_Fu<br>II      | 14.27 | / | / | 19.60 | / | / | <=23 | Pass |
|                    |         | Inner_Ful<br>I      | 16.62 | / | / | 21.95 | / | / | <=23 | Pass |
|                    |         | Inner_1R<br>B_Left  | 16.72 | / | / | 22.05 | / | / | <=23 | Pass |
|                    |         | Inner_1R<br>B_Right | 16.92 | / | / | 22.25 | / | / | <=23 | Pass |
|                    |         | Edge_1R<br>B_Left   | 14.10 | / | / | 19.43 | / | / | <=23 | Pass |
|                    | 3560.01 | Edge_1R<br>B_Right  | 14.13 | / | / | 19.46 | / | / | <=23 | Pass |
|                    |         | Outer_Fu<br>II      | 12.31 | / | / | 17.64 | / | / | <=23 | Pass |
|                    |         | Inner_Ful<br>I      | 15.19 | / | / | 20.52 | / | / | <=23 | Pass |
|                    |         | Inner_1R<br>B_Left  | 14.55 | / | / | 19.88 | / | / | <=23 | Pass |
|                    |         | Inner_1R<br>B_Right | 14.62 | / | / | 19.95 | / | / | <=23 | Pass |
|                    |         | Edge_1R<br>B_Left   | 15.25 | / | / | 20.58 | / | / | <=23 | Pass |
|                    |         | Edge_1R<br>B_Right  | 14.99 | / | / | 20.32 | / | / | <=23 | Pass |
|                    |         | Outer_Fu<br>II      | 12.91 | / | / | 18.24 | / | / | <=23 | Pass |
|                    |         | Inner_Ful<br>I      | 15.77 | / | / | 21.10 | / | / | <=23 | Pass |
|                    |         | Inner_1R<br>B_Left  | 14.96 | / | / | 20.29 | / | / | <=23 | Pass |
|                    |         | Inner_1R<br>B_Right | 15.63 | / | / | 20.96 | / | / | <=23 | Pass |
|                    |         | Edge_1R<br>B_Left   | 16.37 | / | / | 21.70 | / | / | <=23 | Pass |
|                    | 3690    | Edge_1R<br>B_Right  | 16.93 | / | / | 22.26 | / | / | <=23 | Pass |

|                                                                                                |  |                 |       |   |   |       |   |   |      |      |
|------------------------------------------------------------------------------------------------|--|-----------------|-------|---|---|-------|---|---|------|------|
|                                                                                                |  | Outer_Full      | 14.23 | / | / | 19.56 | / | / | <=23 | Pass |
|                                                                                                |  | Inner_Full      | 16.40 | / | / | 21.73 | / | / | <=23 | Pass |
|                                                                                                |  | Inner_1RB_Left  | 16.01 | / | / | 21.34 | / | / | <=23 | Pass |
|                                                                                                |  | Inner_1RB_Right | 16.60 | / | / | 21.93 | / | / | <=23 | Pass |
| Note1: Antenna Gain: Ant1: 5.33dBi; Ant2: 5.33dBi;<br>Note2: EIRP=Conducted Power+Antenna Gain |  |                 |       |   |   |       |   |   |      |      |

## 1.5 30k\_SISO\_30MHz\_NTNV\_EIRP

### 1.5.1 Test Result

| 5G NR n48 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 PI/2 BPSK               | 3565.02         | Edge_1RB_Left   | 12.51                | /    | /   | 17.84     | /    | /   | <=23  | Pass    |
|                                    |                 | Edge_1RB_Right  | 13.08                | /    | /   | 18.41     | /    | /   | <=23  | Pass    |
|                                    |                 | Outer_Full      | 13.00                | /    | /   | 18.33     | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_Full      | 13.00                | /    | /   | 18.33     | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_1RB_Left  | 12.53                | /    | /   | 17.86     | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_1RB_Right | 13.09                | /    | /   | 18.42     | /    | /   | <=23  | Pass    |
|                                    | 3624.99         | Edge_1RB_Left   | 14.15                | /    | /   | 19.48     | /    | /   | <=23  | Pass    |
|                                    |                 | Edge_1RB_Right  | 13.88                | /    | /   | 19.21     | /    | /   | <=23  | Pass    |
|                                    |                 | Outer_Full      | 14.01                | /    | /   | 19.34     | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_Full      | 14.00                | /    | /   | 19.33     | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_1RB_Left  | 14.09                | /    | /   | 19.42     | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_1RB_Right | 13.87                | /    | /   | 19.20     | /    | /   | <=23  | Pass    |
|                                    | 3684.99         | Edge_1RB_Left   | 14.17                | /    | /   | 19.50     | /    | /   | <=23  | Pass    |
|                                    |                 | Edge_1RB_Right  | 14.27                | /    | /   | 19.60     | /    | /   | <=23  | Pass    |
|                                    |                 | Outer_Full      | 14.37                | /    | /   | 19.70     | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_Full      | 14.40                | /    | /   | 19.73     | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_1RB_Left  | 14.23                | /    | /   | 19.56     | /    | /   | <=23  | Pass    |
|                                    |                 | Inner_1RB_Right | 14.33                | /    | /   | 19.66     | /    | /   | <=23  | Pass    |
| DFT-s-OFDM QPSK                    | 3565.02         | Edge_1RB_Left   | 12.35                | /    | /   | 17.68     | /    | /   | <=23  | Pass    |
|                                    |                 | Edge_1RB_Right  | 13.01                | /    | /   | 18.34     | /    | /   | <=23  | Pass    |

|                      |         |                     |       |   |   |       |   |   |      |      |
|----------------------|---------|---------------------|-------|---|---|-------|---|---|------|------|
| DFT-s-OFDM<br>16 QAM | 3624.99 | B_Right             |       |   |   |       |   |   |      |      |
|                      |         | Outer_Fu<br>ll      | 12.93 | / | / | 18.26 | / | / | <=23 | Pass |
|                      |         | Inner_Ful<br>l      | 13.00 | / | / | 18.33 | / | / | <=23 | Pass |
|                      |         | Inner_1R<br>B_Left  | 12.34 | / | / | 17.67 | / | / | <=23 | Pass |
|                      |         | Inner_1R<br>B_Right | 12.94 | / | / | 18.27 | / | / | <=23 | Pass |
|                      |         | Edge_1R<br>B_Left   | 13.84 | / | / | 19.17 | / | / | <=23 | Pass |
|                      |         | Edge_1R<br>B_Right  | 13.72 | / | / | 19.05 | / | / | <=23 | Pass |
|                      |         | Outer_Fu<br>ll      | 13.89 | / | / | 19.22 | / | / | <=23 | Pass |
|                      |         | Inner_Ful<br>l      | 13.92 | / | / | 19.25 | / | / | <=23 | Pass |
|                      |         | Inner_1R<br>B_Left  | 13.88 | / | / | 19.21 | / | / | <=23 | Pass |
|                      |         | Inner_1R<br>B_Right | 13.86 | / | / | 19.19 | / | / | <=23 | Pass |
|                      |         | Edge_1R<br>B_Left   | 14.16 | / | / | 19.49 | / | / | <=23 | Pass |
|                      | 3684.99 | Edge_1R<br>B_Right  | 14.24 | / | / | 19.57 | / | / | <=23 | Pass |
|                      |         | Outer_Fu<br>ll      | 14.25 | / | / | 19.58 | / | / | <=23 | Pass |
|                      |         | Inner_Ful<br>l      | 14.46 | / | / | 19.79 | / | / | <=23 | Pass |
|                      |         | Inner_1R<br>B_Left  | 14.13 | / | / | 19.46 | / | / | <=23 | Pass |
|                      |         | Inner_1R<br>B_Right | 14.33 | / | / | 19.66 | / | / | <=23 | Pass |
|                      |         | Edge_1R<br>B_Left   | 12.15 | / | / | 17.48 | / | / | <=23 | Pass |
|                      | 3565.02 | Edge_1R<br>B_Right  | 12.82 | / | / | 18.15 | / | / | <=23 | Pass |
|                      |         | Outer_Fu<br>ll      | 12.96 | / | / | 18.29 | / | / | <=23 | Pass |
|                      |         | Inner_Ful<br>l      | 13.01 | / | / | 18.34 | / | / | <=23 | Pass |
|                      |         | Inner_1R<br>B_Left  | 12.20 | / | / | 17.53 | / | / | <=23 | Pass |
|                      |         | Inner_1R<br>B_Right | 12.94 | / | / | 18.27 | / | / | <=23 | Pass |
|                      |         | Edge_1R<br>B_Left   | 13.70 | / | / | 19.03 | / | / | <=23 | Pass |
|                      | 3624.99 | Edge_1R<br>B_Right  | 13.61 | / | / | 18.94 | / | / | <=23 | Pass |
|                      |         | Outer_Fu<br>ll      | 14.05 | / | / | 19.38 | / | / | <=23 | Pass |
|                      |         | Inner_Ful<br>l      | 13.92 | / | / | 19.25 | / | / | <=23 | Pass |
|                      |         | Inner_1R<br>B_Left  | 13.84 | / | / | 19.17 | / | / | <=23 | Pass |
|                      |         | Inner_1R<br>B_Right | 13.70 | / | / | 19.03 | / | / | <=23 | Pass |
|                      |         | Edge_1R<br>B_Left   | 14.06 | / | / | 19.39 | / | / | <=23 | Pass |
|                      | 3684.99 | Edge_1R<br>B_Right  | 14.23 | / | / | 19.56 | / | / | <=23 | Pass |

|                           |         |                     |       |   |   |       |   |   |      |      |
|---------------------------|---------|---------------------|-------|---|---|-------|---|---|------|------|
|                           |         | Outer_Fu<br>ll      | 14.27 | / | / | 19.60 | / | / | <=23 | Pass |
|                           |         | Inner_Ful<br>l      | 14.37 | / | / | 19.70 | / | / | <=23 | Pass |
|                           |         | Inner_1R<br>B_Left  | 14.00 | / | / | 19.33 | / | / | <=23 | Pass |
|                           |         | Inner_1R<br>B_Right | 14.10 | / | / | 19.43 | / | / | <=23 | Pass |
| DFT-s-<br>OFDM<br>64 QAM  | 3565.02 | Edge_1R<br>B_Left   | 12.29 | / | / | 17.62 | / | / | <=23 | Pass |
|                           |         | Edge_1R<br>B_Right  | 12.92 | / | / | 18.25 | / | / | <=23 | Pass |
|                           |         | Outer_Fu<br>ll      | 12.95 | / | / | 18.28 | / | / | <=23 | Pass |
|                           |         | Inner_Ful<br>l      | 13.01 | / | / | 18.34 | / | / | <=23 | Pass |
|                           |         | Inner_1R<br>B_Left  | 12.29 | / | / | 17.62 | / | / | <=23 | Pass |
|                           |         | Inner_1R<br>B_Right | 12.97 | / | / | 18.30 | / | / | <=23 | Pass |
|                           | 3624.99 | Edge_1R<br>B_Left   | 13.90 | / | / | 19.23 | / | / | <=23 | Pass |
|                           |         | Edge_1R<br>B_Right  | 13.71 | / | / | 19.04 | / | / | <=23 | Pass |
|                           |         | Outer_Fu<br>ll      | 13.97 | / | / | 19.30 | / | / | <=23 | Pass |
|                           |         | Inner_Ful<br>l      | 13.95 | / | / | 19.28 | / | / | <=23 | Pass |
|                           |         | Inner_1R<br>B_Left  | 13.86 | / | / | 19.19 | / | / | <=23 | Pass |
|                           |         | Inner_1R<br>B_Right | 13.70 | / | / | 19.03 | / | / | <=23 | Pass |
|                           | 3684.99 | Edge_1R<br>B_Left   | 14.30 | / | / | 19.63 | / | / | <=23 | Pass |
|                           |         | Edge_1R<br>B_Right  | 14.44 | / | / | 19.77 | / | / | <=23 | Pass |
|                           |         | Outer_Fu<br>ll      | 14.47 | / | / | 19.80 | / | / | <=23 | Pass |
|                           |         | Inner_Ful<br>l      | 14.42 | / | / | 19.75 | / | / | <=23 | Pass |
|                           |         | Inner_1R<br>B_Left  | 14.34 | / | / | 19.67 | / | / | <=23 | Pass |
|                           |         | Inner_1R<br>B_Right | 14.36 | / | / | 19.69 | / | / | <=23 | Pass |
| DFT-s-<br>OFDM<br>256 QAM | 3565.02 | Edge_1R<br>B_Left   | 11.89 | / | / | 17.22 | / | / | <=23 | Pass |
|                           |         | Edge_1R<br>B_Right  | 12.52 | / | / | 17.85 | / | / | <=23 | Pass |
|                           |         | Outer_Fu<br>ll      | 12.92 | / | / | 18.25 | / | / | <=23 | Pass |
|                           |         | Inner_Ful<br>l      | 13.03 | / | / | 18.36 | / | / | <=23 | Pass |
|                           |         | Inner_1R<br>B_Left  | 11.90 | / | / | 17.23 | / | / | <=23 | Pass |
|                           |         | Inner_1R<br>B_Right | 12.57 | / | / | 17.90 | / | / | <=23 | Pass |
|                           | 3624.99 | Edge_1R<br>B_Left   | 13.47 | / | / | 18.80 | / | / | <=23 | Pass |
|                           |         | Edge_1R<br>B_Right  | 13.30 | / | / | 18.63 | / | / | <=23 | Pass |
|                           |         | Outer_Fu            | 13.94 | / | / | 19.27 | / | / | <=23 | Pass |

|                       |         |                     |       |   |   |       |   |   |      |      |
|-----------------------|---------|---------------------|-------|---|---|-------|---|---|------|------|
|                       |         | II                  |       |   |   |       |   |   |      |      |
|                       |         | Inner_Full          | 13.95 | / | / | 19.28 | / | / | <=23 | Pass |
|                       |         | Inner_1R<br>B_Left  | 13.52 | / | / | 18.85 | / | / | <=23 | Pass |
|                       |         | Inner_1R<br>B_Right | 13.41 | / | / | 18.74 | / | / | <=23 | Pass |
|                       |         | Edge_1R<br>B_Left   | 13.71 | / | / | 19.04 | / | / | <=23 | Pass |
|                       |         | Edge_1R<br>B_Right  | 13.95 | / | / | 19.28 | / | / | <=23 | Pass |
|                       | 3684.99 | Outer_Full          | 14.25 | / | / | 19.58 | / | / | <=23 | Pass |
|                       |         | Inner_Full          | 14.26 | / | / | 19.59 | / | / | <=23 | Pass |
|                       |         | Inner_1R<br>B_Left  | 13.84 | / | / | 19.17 | / | / | <=23 | Pass |
|                       |         | Inner_1R<br>B_Right | 13.95 | / | / | 19.28 | / | / | <=23 | Pass |
|                       |         | Edge_1R<br>B_Left   | 12.20 | / | / | 17.53 | / | / | <=23 | Pass |
|                       |         | Edge_1R<br>B_Right  | 13.00 | / | / | 18.33 | / | / | <=23 | Pass |
| CP-<br>OFDM<br>QPSK   | 3565.02 | Outer_Full          | 12.81 | / | / | 18.14 | / | / | <=23 | Pass |
|                       |         | Inner_Full          | 12.93 | / | / | 18.26 | / | / | <=23 | Pass |
|                       |         | Inner_1R<br>B_Left  | 12.28 | / | / | 17.61 | / | / | <=23 | Pass |
|                       |         | Inner_1R<br>B_Right | 12.98 | / | / | 18.31 | / | / | <=23 | Pass |
|                       |         | Edge_1R<br>B_Left   | 13.85 | / | / | 19.18 | / | / | <=23 | Pass |
|                       |         | Edge_1R<br>B_Right  | 13.83 | / | / | 19.16 | / | / | <=23 | Pass |
|                       | 3624.99 | Outer_Full          | 13.88 | / | / | 19.21 | / | / | <=23 | Pass |
|                       |         | Inner_Full          | 13.98 | / | / | 19.31 | / | / | <=23 | Pass |
|                       |         | Inner_1R<br>B_Left  | 13.96 | / | / | 19.29 | / | / | <=23 | Pass |
|                       |         | Inner_1R<br>B_Right | 13.73 | / | / | 19.06 | / | / | <=23 | Pass |
|                       |         | Edge_1R<br>B_Left   | 14.14 | / | / | 19.47 | / | / | <=23 | Pass |
|                       |         | Edge_1R<br>B_Right  | 14.27 | / | / | 19.60 | / | / | <=23 | Pass |
|                       | 3684.99 | Outer_Full          | 14.28 | / | / | 19.61 | / | / | <=23 | Pass |
|                       |         | Inner_Full          | 14.27 | / | / | 19.60 | / | / | <=23 | Pass |
|                       |         | Inner_1R<br>B_Left  | 14.18 | / | / | 19.51 | / | / | <=23 | Pass |
|                       |         | Inner_1R<br>B_Right | 14.13 | / | / | 19.46 | / | / | <=23 | Pass |
|                       |         | Edge_1R<br>B_Left   | 12.33 | / | / | 17.66 | / | / | <=23 | Pass |
|                       |         | Edge_1R<br>B_Right  | 12.98 | / | / | 18.31 | / | / | <=23 | Pass |
| CP-<br>OFDM<br>16 QAM | 3565.02 | Outer_Full          | 12.96 | / | / | 18.29 | / | / | <=23 | Pass |

|                   |         |                     |       |   |   |       |   |   |      |      |
|-------------------|---------|---------------------|-------|---|---|-------|---|---|------|------|
| CP-OFDM<br>64 QAM | 3624.99 | Inner_Ful<br>I      | 13.00 | / | / | 18.33 | / | / | <=23 | Pass |
|                   |         | Inner_1R<br>B_Left  | 12.52 | / | / | 17.85 | / | / | <=23 | Pass |
|                   |         | Inner_1R<br>B_Right | 12.97 | / | / | 18.30 | / | / | <=23 | Pass |
|                   | 3624.99 | Edge_1R<br>B_Left   | 13.78 | / | / | 19.11 | / | / | <=23 | Pass |
|                   |         | Edge_1R<br>B_Right  | 13.75 | / | / | 19.08 | / | / | <=23 | Pass |
|                   |         | Outer_Fu<br>II      | 14.05 | / | / | 19.38 | / | / | <=23 | Pass |
|                   |         | Inner_Ful<br>I      | 13.94 | / | / | 19.27 | / | / | <=23 | Pass |
|                   |         | Inner_1R<br>B_Left  | 13.90 | / | / | 19.23 | / | / | <=23 | Pass |
|                   |         | Inner_1R<br>B_Right | 13.73 | / | / | 19.06 | / | / | <=23 | Pass |
|                   | 3684.99 | Edge_1R<br>B_Left   | 14.10 | / | / | 19.43 | / | / | <=23 | Pass |
|                   |         | Edge_1R<br>B_Right  | 14.26 | / | / | 19.59 | / | / | <=23 | Pass |
|                   |         | Outer_Fu<br>II      | 14.33 | / | / | 19.66 | / | / | <=23 | Pass |
|                   |         | Inner_Ful<br>I      | 14.37 | / | / | 19.70 | / | / | <=23 | Pass |
|                   |         | Inner_1R<br>B_Left  | 14.16 | / | / | 19.49 | / | / | <=23 | Pass |
|                   |         | Inner_1R<br>B_Right | 14.31 | / | / | 19.64 | / | / | <=23 | Pass |
|                   | 3565.02 | Edge_1R<br>B_Left   | 12.35 | / | / | 17.68 | / | / | <=23 | Pass |
|                   |         | Edge_1R<br>B_Right  | 13.11 | / | / | 18.44 | / | / | <=23 | Pass |
|                   |         | Outer_Fu<br>II      | 12.98 | / | / | 18.31 | / | / | <=23 | Pass |
|                   |         | Inner_Ful<br>I      | 12.95 | / | / | 18.28 | / | / | <=23 | Pass |
|                   |         | Inner_1R<br>B_Left  | 12.41 | / | / | 17.74 | / | / | <=23 | Pass |
|                   |         | Inner_1R<br>B_Right | 13.10 | / | / | 18.43 | / | / | <=23 | Pass |
|                   | 3624.99 | Edge_1R<br>B_Left   | 14.03 | / | / | 19.36 | / | / | <=23 | Pass |
|                   |         | Edge_1R<br>B_Right  | 13.79 | / | / | 19.12 | / | / | <=23 | Pass |
|                   |         | Outer_Fu<br>II      | 13.92 | / | / | 19.25 | / | / | <=23 | Pass |
|                   |         | Inner_Ful<br>I      | 13.95 | / | / | 19.28 | / | / | <=23 | Pass |
|                   |         | Inner_1R<br>B_Left  | 14.04 | / | / | 19.37 | / | / | <=23 | Pass |
|                   |         | Inner_1R<br>B_Right | 13.89 | / | / | 19.22 | / | / | <=23 | Pass |
|                   | 3684.99 | Edge_1R<br>B_Left   | 14.31 | / | / | 19.64 | / | / | <=23 | Pass |
|                   |         | Edge_1R<br>B_Right  | 14.47 | / | / | 19.80 | / | / | <=23 | Pass |
|                   |         | Outer_Fu<br>II      | 14.37 | / | / | 19.70 | / | / | <=23 | Pass |
|                   |         | Inner_Ful           | 14.48 | / | / | 19.81 | / | / | <=23 | Pass |

|                                                                                                |         |                     |       |   |   |       |   |   |      |      |
|------------------------------------------------------------------------------------------------|---------|---------------------|-------|---|---|-------|---|---|------|------|
| CP-OFDM<br>256 QAM                                                                             |         | I                   |       |   |   |       |   |   |      |      |
|                                                                                                |         | Inner_1R<br>B_Left  | 14.48 | / | / | 19.81 | / | / | <=23 | Pass |
|                                                                                                |         | Inner_1R<br>B_Right | 14.35 | / | / | 19.68 | / | / | <=23 | Pass |
|                                                                                                | 3565.02 | Edge_1R<br>B_Left   | 11.84 | / | / | 17.17 | / | / | <=23 | Pass |
|                                                                                                |         | Edge_1R<br>B_Right  | 12.51 | / | / | 17.84 | / | / | <=23 | Pass |
|                                                                                                |         | Outer_Fu<br>ll      | 13.00 | / | / | 18.33 | / | / | <=23 | Pass |
|                                                                                                |         | Inner_Ful<br>l      | 12.99 | / | / | 18.32 | / | / | <=23 | Pass |
|                                                                                                |         | Inner_1R<br>B_Left  | 11.83 | / | / | 17.16 | / | / | <=23 | Pass |
|                                                                                                |         | Inner_1R<br>B_Right | 12.52 | / | / | 17.85 | / | / | <=23 | Pass |
|                                                                                                | 3624.99 | Edge_1R<br>B_Left   | 13.46 | / | / | 18.79 | / | / | <=23 | Pass |
|                                                                                                |         | Edge_1R<br>B_Right  | 13.48 | / | / | 18.81 | / | / | <=23 | Pass |
|                                                                                                |         | Outer_Fu<br>ll      | 13.88 | / | / | 19.21 | / | / | <=23 | Pass |
|                                                                                                |         | Inner_Ful<br>l      | 13.97 | / | / | 19.30 | / | / | <=23 | Pass |
|                                                                                                |         | Inner_1R<br>B_Left  | 13.53 | / | / | 18.86 | / | / | <=23 | Pass |
|                                                                                                |         | Inner_1R<br>B_Right | 13.33 | / | / | 18.66 | / | / | <=23 | Pass |
|                                                                                                | 3684.99 | Edge_1R<br>B_Left   | 13.81 | / | / | 19.14 | / | / | <=23 | Pass |
|                                                                                                |         | Edge_1R<br>B_Right  | 13.91 | / | / | 19.24 | / | / | <=23 | Pass |
|                                                                                                |         | Outer_Fu<br>ll      | 14.39 | / | / | 19.72 | / | / | <=23 | Pass |
|                                                                                                |         | Inner_Ful<br>l      | 14.35 | / | / | 19.68 | / | / | <=23 | Pass |
|                                                                                                |         | Inner_1R<br>B_Left  | 13.99 | / | / | 19.32 | / | / | <=23 | Pass |
|                                                                                                |         | Inner_1R<br>B_Right | 13.86 | / | / | 19.19 | / | / | <=23 | Pass |
| Note1: Antenna Gain: Ant1: 5.33dBi; Ant2: 5.33dBi;<br>Note2: EIRP=Conducted Power+Antenna Gain |         |                     |       |   |   |       |   |   |      |      |

## 1.6 30k\_SISO\_30MHz\_NTNV\_EIRP/10MHz

### 1.6.1 Test Result

| 5G NR n48 SCS=30kHz SISO 30MHz NTNv |                 |                    |                            |      |     |                 |      |     |       |         |
|-------------------------------------|-----------------|--------------------|----------------------------|------|-----|-----------------|------|-----|-------|---------|
| Modulation                          | Frequency (MHz) | RB Allocation      | Conducted Power(dBm/10MHz) |      |     | EIRP(dBm/10MHz) |      |     |       | Verdict |
|                                     |                 |                    | Ant1                       | Ant2 | Sum | Ant1            | Ant2 | Sum | Limit |         |
| DFT-s-OFDM<br>PI/2<br>BPSK          | 3565.02         | Edge_1R<br>B_Left  | 14.67                      | /    | /   | 20.00           | /    | /   | <=23  | Pass    |
|                                     |                 | Edge_1R<br>B_Right | 15.26                      | /    | /   | 20.59           | /    | /   | <=23  | Pass    |
|                                     |                 | Outer_Fu<br>ll     | 10.29                      | /    | /   | 15.62           | /    | /   | <=23  | Pass    |

|                 |         |                 |       |   |   |       |   |   |      |      |
|-----------------|---------|-----------------|-------|---|---|-------|---|---|------|------|
| DFT-s-OFDM QPSK | 3624.99 | Inner_Full      | 13.43 | / | / | 18.76 | / | / | <=23 | Pass |
|                 |         | Inner_1RB_Left  | 15.05 | / | / | 20.38 | / | / | <=23 | Pass |
|                 |         | Inner_1RB_Right | 15.20 | / | / | 20.53 | / | / | <=23 | Pass |
|                 | 3624.99 | Edge_1RB_Left   | 15.78 | / | / | 21.11 | / | / | <=23 | Pass |
|                 |         | Edge_1RB_Right  | 15.70 | / | / | 21.03 | / | / | <=23 | Pass |
|                 |         | Outer_Full      | 11.51 | / | / | 16.84 | / | / | <=23 | Pass |
|                 |         | Inner_Full      | 14.53 | / | / | 19.86 | / | / | <=23 | Pass |
|                 |         | Inner_1RB_Left  | 15.64 | / | / | 20.97 | / | / | <=23 | Pass |
|                 |         | Inner_1RB_Right | 15.58 | / | / | 20.91 | / | / | <=23 | Pass |
|                 | 3684.99 | Edge_1RB_Left   | 16.56 | / | / | 21.89 | / | / | <=23 | Pass |
|                 |         | Edge_1RB_Right  | 16.36 | / | / | 21.69 | / | / | <=23 | Pass |
|                 |         | Outer_Full      | 11.95 | / | / | 17.28 | / | / | <=23 | Pass |
|                 |         | Inner_Full      | 15.15 | / | / | 20.48 | / | / | <=23 | Pass |
|                 |         | Inner_1RB_Left  | 16.73 | / | / | 22.06 | / | / | <=23 | Pass |
|                 |         | Inner_1RB_Right | 16.57 | / | / | 21.90 | / | / | <=23 | Pass |
|                 | 3565.02 | Edge_1RB_Left   | 14.83 | / | / | 20.16 | / | / | <=23 | Pass |
|                 |         | Edge_1RB_Right  | 14.78 | / | / | 20.11 | / | / | <=23 | Pass |
|                 |         | Outer_Full      | 10.87 | / | / | 16.20 | / | / | <=23 | Pass |
|                 |         | Inner_Full      | 14.12 | / | / | 19.45 | / | / | <=23 | Pass |
|                 |         | Inner_1RB_Left  | 13.78 | / | / | 19.11 | / | / | <=23 | Pass |
|                 |         | Inner_1RB_Right | 15.09 | / | / | 20.42 | / | / | <=23 | Pass |
|                 | 3624.99 | Edge_1RB_Left   | 15.44 | / | / | 20.77 | / | / | <=23 | Pass |
|                 |         | Edge_1RB_Right  | 15.91 | / | / | 21.24 | / | / | <=23 | Pass |
|                 |         | Outer_Full      | 11.72 | / | / | 17.05 | / | / | <=23 | Pass |
|                 |         | Inner_Full      | 14.54 | / | / | 19.87 | / | / | <=23 | Pass |
|                 |         | Inner_1RB_Left  | 16.29 | / | / | 21.62 | / | / | <=23 | Pass |
|                 |         | Inner_1RB_Right | 14.87 | / | / | 20.20 | / | / | <=23 | Pass |
|                 | 3684.99 | Edge_1RB_Left   | 16.79 | / | / | 22.12 | / | / | <=23 | Pass |
|                 |         | Edge_1RB_Right  | 17.09 | / | / | 22.42 | / | / | <=23 | Pass |
|                 |         | Outer_Full      | 12.07 | / | / | 17.40 | / | / | <=23 | Pass |
|                 |         | Inner_Full      | 15.10 | / | / | 20.43 | / | / | <=23 | Pass |

|                          |         |                     |       |   |   |       |   |   |      |      |
|--------------------------|---------|---------------------|-------|---|---|-------|---|---|------|------|
|                          |         | I                   |       |   |   |       |   |   |      |      |
|                          |         | Inner_1R<br>B_Left  | 17.44 | / | / | 22.77 | / | / | <=23 | Pass |
| DFT-s-<br>OFDM<br>16 QAM | 3565.02 | Inner_1R<br>B_Right | 16.43 | / | / | 21.76 | / | / | <=23 | Pass |
|                          |         | Edge_1R<br>B_Left   | 14.93 | / | / | 20.26 | / | / | <=23 | Pass |
|                          |         | Edge_1R<br>B_Right  | 14.90 | / | / | 20.23 | / | / | <=23 | Pass |
|                          |         | Outer_Fu<br>ll      | 10.56 | / | / | 15.89 | / | / | <=23 | Pass |
|                          |         | Inner_Ful<br>l      | 14.18 | / | / | 19.51 | / | / | <=23 | Pass |
|                          |         | Inner_1R<br>B_Left  | 14.23 | / | / | 19.56 | / | / | <=23 | Pass |
|                          |         | Inner_1R<br>B_Right | 14.74 | / | / | 20.07 | / | / | <=23 | Pass |
|                          | 3624.99 | Edge_1R<br>B_Left   | 14.75 | / | / | 20.08 | / | / | <=23 | Pass |
|                          |         | Edge_1R<br>B_Right  | 16.03 | / | / | 21.36 | / | / | <=23 | Pass |
|                          |         | Outer_Fu<br>ll      | 11.36 | / | / | 16.69 | / | / | <=23 | Pass |
|                          |         | Inner_Ful<br>l      | 14.73 | / | / | 20.06 | / | / | <=23 | Pass |
|                          |         | Inner_1R<br>B_Left  | 14.41 | / | / | 19.74 | / | / | <=23 | Pass |
|                          |         | Inner_1R<br>B_Right | 15.10 | / | / | 20.43 | / | / | <=23 | Pass |
|                          | 3684.99 | Edge_1R<br>B_Left   | 17.14 | / | / | 22.47 | / | / | <=23 | Pass |
|                          |         | Edge_1R<br>B_Right  | 16.38 | / | / | 21.71 | / | / | <=23 | Pass |
|                          |         | Outer_Fu<br>ll      | 12.17 | / | / | 17.50 | / | / | <=23 | Pass |
|                          |         | Inner_Ful<br>l      | 15.67 | / | / | 21.00 | / | / | <=23 | Pass |
|                          |         | Inner_1R<br>B_Left  | 16.57 | / | / | 21.90 | / | / | <=23 | Pass |
|                          |         | Inner_1R<br>B_Right | 17.28 | / | / | 22.61 | / | / | <=23 | Pass |
| DFT-s-<br>OFDM<br>64 QAM | 3565.02 | Edge_1R<br>B_Left   | 14.54 | / | / | 19.87 | / | / | <=23 | Pass |
|                          |         | Edge_1R<br>B_Right  | 15.20 | / | / | 20.53 | / | / | <=23 | Pass |
|                          |         | Outer_Fu<br>ll      | 10.86 | / | / | 16.19 | / | / | <=23 | Pass |
|                          |         | Inner_Ful<br>l      | 14.06 | / | / | 19.39 | / | / | <=23 | Pass |
|                          |         | Inner_1R<br>B_Left  | 14.23 | / | / | 19.56 | / | / | <=23 | Pass |
|                          |         | Inner_1R<br>B_Right | 15.82 | / | / | 21.15 | / | / | <=23 | Pass |
|                          | 3624.99 | Edge_1R<br>B_Left   | 15.93 | / | / | 21.26 | / | / | <=23 | Pass |
|                          |         | Edge_1R<br>B_Right  | 16.11 | / | / | 21.44 | / | / | <=23 | Pass |
|                          |         | Outer_Fu<br>ll      | 11.98 | / | / | 17.31 | / | / | <=23 | Pass |
|                          |         | Inner_Ful<br>l      | 15.10 | / | / | 20.43 | / | / | <=23 | Pass |

|                           |         |                     |       |   |   |       |   |   |      |      |
|---------------------------|---------|---------------------|-------|---|---|-------|---|---|------|------|
|                           |         | Inner_1R<br>B_Left  | 15.08 | / | / | 20.41 | / | / | <=23 | Pass |
|                           |         | Inner_1R<br>B_Right | 15.61 | / | / | 20.94 | / | / | <=23 | Pass |
|                           | 3684.99 | Edge_1R<br>B_Left   | 17.44 | / | / | 22.77 | / | / | <=23 | Pass |
|                           |         | Edge_1R<br>B_Right  | 16.42 | / | / | 21.75 | / | / | <=23 | Pass |
|                           |         | Outer_Fu<br>ll      | 12.46 | / | / | 17.79 | / | / | <=23 | Pass |
|                           |         | Inner_Ful<br>l      | 15.88 | / | / | 21.21 | / | / | <=23 | Pass |
|                           |         | Inner_1R<br>B_Left  | 16.66 | / | / | 21.99 | / | / | <=23 | Pass |
|                           |         | Inner_1R<br>B_Right | 17.18 | / | / | 22.51 | / | / | <=23 | Pass |
| DFT-s-<br>OFDM<br>256 QAM | 3565.02 | Edge_1R<br>B_Left   | 14.82 | / | / | 20.15 | / | / | <=23 | Pass |
|                           |         | Edge_1R<br>B_Right  | 15.82 | / | / | 21.15 | / | / | <=23 | Pass |
|                           |         | Outer_Fu<br>ll      | 10.61 | / | / | 15.94 | / | / | <=23 | Pass |
|                           |         | Inner_Ful<br>l      | 13.83 | / | / | 19.16 | / | / | <=23 | Pass |
|                           |         | Inner_1R<br>B_Left  | 14.75 | / | / | 20.08 | / | / | <=23 | Pass |
|                           |         | Inner_1R<br>B_Right | 14.09 | / | / | 19.42 | / | / | <=23 | Pass |
|                           | 3624.99 | Edge_1R<br>B_Left   | 15.16 | / | / | 20.49 | / | / | <=23 | Pass |
|                           |         | Edge_1R<br>B_Right  | 15.40 | / | / | 20.73 | / | / | <=23 | Pass |
|                           |         | Outer_Fu<br>ll      | 11.90 | / | / | 17.23 | / | / | <=23 | Pass |
|                           |         | Inner_Ful<br>l      | 14.80 | / | / | 20.13 | / | / | <=23 | Pass |
|                           |         | Inner_1R<br>B_Left  | 15.26 | / | / | 20.59 | / | / | <=23 | Pass |
|                           |         | Inner_1R<br>B_Right | 15.85 | / | / | 21.18 | / | / | <=23 | Pass |
|                           | 3684.99 | Edge_1R<br>B_Left   | 16.87 | / | / | 22.20 | / | / | <=23 | Pass |
|                           |         | Edge_1R<br>B_Right  | 16.85 | / | / | 22.18 | / | / | <=23 | Pass |
|                           |         | Outer_Fu<br>ll      | 12.33 | / | / | 17.66 | / | / | <=23 | Pass |
|                           |         | Inner_Ful<br>l      | 15.37 | / | / | 20.70 | / | / | <=23 | Pass |
|                           |         | Inner_1R<br>B_Left  | 16.51 | / | / | 21.84 | / | / | <=23 | Pass |
|                           |         | Inner_1R<br>B_Right | 16.19 | / | / | 21.52 | / | / | <=23 | Pass |
| CP-<br>OFDM<br>QPSK       | 3565.02 | Edge_1R<br>B_Left   | 14.20 | / | / | 19.53 | / | / | <=23 | Pass |
|                           |         | Edge_1R<br>B_Right  | 15.56 | / | / | 20.89 | / | / | <=23 | Pass |
|                           |         | Outer_Fu<br>ll      | 10.11 | / | / | 15.44 | / | / | <=23 | Pass |
|                           |         | Inner_Ful<br>l      | 13.66 | / | / | 18.99 | / | / | <=23 | Pass |
|                           |         | Inner_1R            | 14.62 | / | / | 19.95 | / | / | <=23 | Pass |

|                   |         |                     |       |   |   |       |   |   |      |      |
|-------------------|---------|---------------------|-------|---|---|-------|---|---|------|------|
| CP-OFDM<br>16 QAM |         | B_Left              |       |   |   |       |   |   |      |      |
|                   |         | Inner_1R<br>B_Right | 15.27 | / | / | 20.60 | / | / | <=23 | Pass |
|                   | 3624.99 | Edge_1R<br>B_Left   | 16.38 | / | / | 21.71 | / | / | <=23 | Pass |
|                   |         | Edge_1R<br>B_Right  | 16.14 | / | / | 21.47 | / | / | <=23 | Pass |
|                   |         | Outer_Fu<br>ll      | 11.55 | / | / | 16.88 | / | / | <=23 | Pass |
|                   |         | Inner_Ful<br>l      | 14.66 | / | / | 19.99 | / | / | <=23 | Pass |
|                   |         | Inner_1R<br>B_Left  | 15.85 | / | / | 21.18 | / | / | <=23 | Pass |
|                   |         | Inner_1R<br>B_Right | 15.14 | / | / | 20.47 | / | / | <=23 | Pass |
|                   | 3684.99 | Edge_1R<br>B_Left   | 16.63 | / | / | 21.96 | / | / | <=23 | Pass |
|                   |         | Edge_1R<br>B_Right  | 17.27 | / | / | 22.60 | / | / | <=23 | Pass |
|                   |         | Outer_Fu<br>ll      | 12.14 | / | / | 17.47 | / | / | <=23 | Pass |
|                   |         | Inner_Ful<br>l      | 14.97 | / | / | 20.30 | / | / | <=23 | Pass |
|                   |         | Inner_1R<br>B_Left  | 16.43 | / | / | 21.76 | / | / | <=23 | Pass |
|                   |         | Inner_1R<br>B_Right | 16.76 | / | / | 22.09 | / | / | <=23 | Pass |
|                   | 3565.02 | Edge_1R<br>B_Left   | 14.80 | / | / | 20.13 | / | / | <=23 | Pass |
|                   |         | Edge_1R<br>B_Right  | 14.47 | / | / | 19.80 | / | / | <=23 | Pass |
|                   |         | Outer_Fu<br>ll      | 10.60 | / | / | 15.93 | / | / | <=23 | Pass |
|                   |         | Inner_Ful<br>l      | 13.94 | / | / | 19.27 | / | / | <=23 | Pass |
|                   |         | Inner_1R<br>B_Left  | 14.31 | / | / | 19.64 | / | / | <=23 | Pass |
|                   |         | Inner_1R<br>B_Right | 14.66 | / | / | 19.99 | / | / | <=23 | Pass |
|                   | 3624.99 | Edge_1R<br>B_Left   | 14.93 | / | / | 20.26 | / | / | <=23 | Pass |
|                   |         | Edge_1R<br>B_Right  | 16.27 | / | / | 21.60 | / | / | <=23 | Pass |
|                   |         | Outer_Fu<br>ll      | 11.62 | / | / | 16.95 | / | / | <=23 | Pass |
|                   |         | Inner_Ful<br>l      | 14.59 | / | / | 19.92 | / | / | <=23 | Pass |
|                   |         | Inner_1R<br>B_Left  | 14.92 | / | / | 20.25 | / | / | <=23 | Pass |
|                   |         | Inner_1R<br>B_Right | 16.07 | / | / | 21.40 | / | / | <=23 | Pass |
|                   | 3684.99 | Edge_1R<br>B_Left   | 16.85 | / | / | 22.18 | / | / | <=23 | Pass |
|                   |         | Edge_1R<br>B_Right  | 17.00 | / | / | 22.33 | / | / | <=23 | Pass |
|                   |         | Outer_Fu<br>ll      | 12.27 | / | / | 17.60 | / | / | <=23 | Pass |
|                   |         | Inner_Ful<br>l      | 15.22 | / | / | 20.55 | / | / | <=23 | Pass |
|                   |         | Inner_1R<br>B_Left  | 17.20 | / | / | 22.53 | / | / | <=23 | Pass |

|                        |         |                     |       |   |   |       |   |   |      |      |
|------------------------|---------|---------------------|-------|---|---|-------|---|---|------|------|
|                        |         | Inner_1R<br>B_Right | 16.43 | / | / | 21.76 | / | / | <=23 | Pass |
| CP-<br>OFDM<br>64 QAM  | 3565.02 | Edge_1R<br>B_Left   | 14.98 | / | / | 20.31 | / | / | <=23 | Pass |
|                        |         | Edge_1R<br>B_Right  | 14.23 | / | / | 19.56 | / | / | <=23 | Pass |
|                        |         | Outer_Fu<br>ll      | 10.08 | / | / | 15.41 | / | / | <=23 | Pass |
|                        |         | Inner_Ful<br>l      | 13.34 | / | / | 18.67 | / | / | <=23 | Pass |
|                        |         | Inner_1R<br>B_Left  | 14.64 | / | / | 19.97 | / | / | <=23 | Pass |
|                        |         | Inner_1R<br>B_Right | 16.10 | / | / | 21.43 | / | / | <=23 | Pass |
|                        | 3624.99 | Edge_1R<br>B_Left   | 16.74 | / | / | 22.07 | / | / | <=23 | Pass |
|                        |         | Edge_1R<br>B_Right  | 15.79 | / | / | 21.12 | / | / | <=23 | Pass |
|                        |         | Outer_Fu<br>ll      | 11.31 | / | / | 16.64 | / | / | <=23 | Pass |
|                        |         | Inner_Ful<br>l      | 14.61 | / | / | 19.94 | / | / | <=23 | Pass |
|                        |         | Inner_1R<br>B_Left  | 16.47 | / | / | 21.80 | / | / | <=23 | Pass |
|                        |         | Inner_1R<br>B_Right | 16.16 | / | / | 21.49 | / | / | <=23 | Pass |
|                        | 3684.99 | Edge_1R<br>B_Left   | 17.43 | / | / | 22.76 | / | / | <=23 | Pass |
|                        |         | Edge_1R<br>B_Right  | 16.97 | / | / | 22.30 | / | / | <=23 | Pass |
|                        |         | Outer_Fu<br>ll      | 12.15 | / | / | 17.48 | / | / | <=23 | Pass |
|                        |         | Inner_Ful<br>l      | 15.28 | / | / | 20.61 | / | / | <=23 | Pass |
|                        |         | Inner_1R<br>B_Left  | 16.47 | / | / | 21.80 | / | / | <=23 | Pass |
|                        |         | Inner_1R<br>B_Right | 17.10 | / | / | 22.43 | / | / | <=23 | Pass |
| CP-<br>OFDM<br>256 QAM | 3565.02 | Edge_1R<br>B_Left   | 14.77 | / | / | 20.10 | / | / | <=23 | Pass |
|                        |         | Edge_1R<br>B_Right  | 14.45 | / | / | 19.78 | / | / | <=23 | Pass |
|                        |         | Outer_Fu<br>ll      | 10.48 | / | / | 15.81 | / | / | <=23 | Pass |
|                        |         | Inner_Ful<br>l      | 13.54 | / | / | 18.87 | / | / | <=23 | Pass |
|                        |         | Inner_1R<br>B_Left  | 14.94 | / | / | 20.27 | / | / | <=23 | Pass |
|                        |         | Inner_1R<br>B_Right | 14.83 | / | / | 20.16 | / | / | <=23 | Pass |
|                        | 3624.99 | Edge_1R<br>B_Left   | 15.35 | / | / | 20.68 | / | / | <=23 | Pass |
|                        |         | Edge_1R<br>B_Right  | 15.16 | / | / | 20.49 | / | / | <=23 | Pass |
|                        |         | Outer_Fu<br>ll      | 11.72 | / | / | 17.05 | / | / | <=23 | Pass |
|                        |         | Inner_Ful<br>l      | 14.55 | / | / | 19.88 | / | / | <=23 | Pass |
|                        |         | Inner_1R<br>B_Left  | 15.53 | / | / | 20.86 | / | / | <=23 | Pass |
|                        |         | Inner_1R            | 14.49 | / | / | 19.82 | / | / | <=23 | Pass |

|                                                                                                |         |                     |       |   |   |       |   |   |      |      |
|------------------------------------------------------------------------------------------------|---------|---------------------|-------|---|---|-------|---|---|------|------|
|                                                                                                |         | B_Right             |       |   |   |       |   |   |      |      |
|                                                                                                | 3684.99 | Edge_1R<br>B_Left   | 16.53 | / | / | 21.86 | / | / | <=23 | Pass |
|                                                                                                |         | Edge_1R<br>B_Right  | 15.57 | / | / | 20.90 | / | / | <=23 | Pass |
|                                                                                                |         | Outer_Fu<br>ll      | 11.88 | / | / | 17.21 | / | / | <=23 | Pass |
|                                                                                                |         | Inner_Ful<br>l      | 14.77 | / | / | 20.10 | / | / | <=23 | Pass |
|                                                                                                |         | Inner_1R<br>B_Left  | 16.34 | / | / | 21.67 | / | / | <=23 | Pass |
|                                                                                                |         | Inner_1R<br>B_Right | 16.85 | / | / | 22.18 | / | / | <=23 | Pass |
| Note1: Antenna Gain: Ant1: 5.33dBi; Ant2: 5.33dBi;<br>Note2: EIRP=Conducted Power+Antenna Gain |         |                     |       |   |   |       |   |   |      |      |

## 1.7 30k\_SISO\_40MHz\_NTNV\_EIRP

### 1.7.1 Test Result

| 5G NR n48 SCS=30kHz SISO 40MHz NTNv |                 |                     |                      |      |     |           |      |     |       |         |
|-------------------------------------|-----------------|---------------------|----------------------|------|-----|-----------|------|-----|-------|---------|
| Modulation                          | Frequency (MHz) | RB Allocation       | Conducted Power(dBm) |      |     | EIRP(dBm) |      |     |       | Verdict |
|                                     |                 |                     | Ant1                 | Ant2 | Sum | Ant1      | Ant2 | Sum | Limit |         |
| DFT-s-OFDM<br>PI/2<br>BPSK          | 3570            | Edge_1R<br>B_Left   | 12.58                | /    | /   | 17.91     | /    | /   | <=23  | Pass    |
|                                     |                 | Edge_1R<br>B_Right  | 13.42                | /    | /   | 18.75     | /    | /   | <=23  | Pass    |
|                                     |                 | Outer_Fu<br>ll      | 13.16                | /    | /   | 18.49     | /    | /   | <=23  | Pass    |
|                                     |                 | Inner_Ful<br>l      | 13.28                | /    | /   | 18.61     | /    | /   | <=23  | Pass    |
|                                     |                 | Inner_1R<br>B_Left  | 12.52                | /    | /   | 17.85     | /    | /   | <=23  | Pass    |
|                                     |                 | Inner_1R<br>B_Right | 13.44                | /    | /   | 18.77     | /    | /   | <=23  | Pass    |
|                                     | 3624.99         | Edge_1R<br>B_Left   | 13.96                | /    | /   | 19.29     | /    | /   | <=23  | Pass    |
|                                     |                 | Edge_1R<br>B_Right  | 13.93                | /    | /   | 19.26     | /    | /   | <=23  | Pass    |
|                                     |                 | Outer_Fu<br>ll      | 14.02                | /    | /   | 19.35     | /    | /   | <=23  | Pass    |
|                                     |                 | Inner_Ful<br>l      | 14.01                | /    | /   | 19.34     | /    | /   | <=23  | Pass    |
|                                     |                 | Inner_1R<br>B_Left  | 13.98                | /    | /   | 19.31     | /    | /   | <=23  | Pass    |
|                                     |                 | Inner_1R<br>B_Right | 14.06                | /    | /   | 19.39     | /    | /   | <=23  | Pass    |
|                                     | 3679.98         | Edge_1R<br>B_Left   | 13.89                | /    | /   | 19.22     | /    | /   | <=23  | Pass    |
|                                     |                 | Edge_1R<br>B_Right  | 14.38                | /    | /   | 19.71     | /    | /   | <=23  | Pass    |
|                                     |                 | Outer_Fu<br>ll      | 14.18                | /    | /   | 19.51     | /    | /   | <=23  | Pass    |
|                                     |                 | Inner_Ful<br>l      | 14.21                | /    | /   | 19.54     | /    | /   | <=23  | Pass    |
|                                     |                 | Inner_1R<br>B_Left  | 13.78                | /    | /   | 19.11     | /    | /   | <=23  | Pass    |

|                          |         |                     |       |   |   |       |   |   |      |      |
|--------------------------|---------|---------------------|-------|---|---|-------|---|---|------|------|
|                          |         | Inner_1R<br>B_Right | 14.30 | / | / | 19.63 | / | / | <=23 | Pass |
| DFT-s-<br>OFDM<br>QPSK   | 3570    | Edge_1R<br>B_Left   | 12.42 | / | / | 17.75 | / | / | <=23 | Pass |
|                          |         | Edge_1R<br>B_Right  | 13.33 | / | / | 18.66 | / | / | <=23 | Pass |
|                          |         | Outer_Fu<br>ll      | 13.03 | / | / | 18.36 | / | / | <=23 | Pass |
|                          |         | Inner_Ful<br>l      | 13.10 | / | / | 18.43 | / | / | <=23 | Pass |
|                          |         | Inner_1R<br>B_Left  | 12.38 | / | / | 17.71 | / | / | <=23 | Pass |
|                          |         | Inner_1R<br>B_Right | 13.22 | / | / | 18.55 | / | / | <=23 | Pass |
|                          | 3624.99 | Edge_1R<br>B_Left   | 13.84 | / | / | 19.17 | / | / | <=23 | Pass |
|                          |         | Edge_1R<br>B_Right  | 13.70 | / | / | 19.03 | / | / | <=23 | Pass |
|                          |         | Outer_Fu<br>ll      | 14.06 | / | / | 19.39 | / | / | <=23 | Pass |
|                          |         | Inner_Ful<br>l      | 14.05 | / | / | 19.38 | / | / | <=23 | Pass |
|                          |         | Inner_1R<br>B_Left  | 13.93 | / | / | 19.26 | / | / | <=23 | Pass |
|                          |         | Inner_1R<br>B_Right | 13.77 | / | / | 19.10 | / | / | <=23 | Pass |
|                          | 3679.98 | Edge_1R<br>B_Left   | 13.66 | / | / | 18.99 | / | / | <=23 | Pass |
|                          |         | Edge_1R<br>B_Right  | 14.26 | / | / | 19.59 | / | / | <=23 | Pass |
|                          |         | Outer_Fu<br>ll      | 14.15 | / | / | 19.48 | / | / | <=23 | Pass |
|                          |         | Inner_Ful<br>l      | 14.24 | / | / | 19.57 | / | / | <=23 | Pass |
|                          |         | Inner_1R<br>B_Left  | 13.68 | / | / | 19.01 | / | / | <=23 | Pass |
|                          |         | Inner_1R<br>B_Right | 14.25 | / | / | 19.58 | / | / | <=23 | Pass |
| DFT-s-<br>OFDM<br>16 QAM | 3570    | Edge_1R<br>B_Left   | 12.34 | / | / | 17.67 | / | / | <=23 | Pass |
|                          |         | Edge_1R<br>B_Right  | 13.13 | / | / | 18.46 | / | / | <=23 | Pass |
|                          |         | Outer_Fu<br>ll      | 13.09 | / | / | 18.42 | / | / | <=23 | Pass |
|                          |         | Inner_Ful<br>l      | 13.22 | / | / | 18.55 | / | / | <=23 | Pass |
|                          |         | Inner_1R<br>B_Left  | 12.25 | / | / | 17.58 | / | / | <=23 | Pass |
|                          |         | Inner_1R<br>B_Right | 13.18 | / | / | 18.51 | / | / | <=23 | Pass |
|                          | 3624.99 | Edge_1R<br>B_Left   | 13.77 | / | / | 19.10 | / | / | <=23 | Pass |
|                          |         | Edge_1R<br>B_Right  | 13.59 | / | / | 18.92 | / | / | <=23 | Pass |
|                          |         | Outer_Fu<br>ll      | 13.93 | / | / | 19.26 | / | / | <=23 | Pass |
|                          |         | Inner_Ful<br>l      | 13.99 | / | / | 19.32 | / | / | <=23 | Pass |
|                          |         | Inner_1R<br>B_Left  | 13.76 | / | / | 19.09 | / | / | <=23 | Pass |
|                          |         | Inner_1R            | 13.62 | / | / | 18.95 | / | / | <=23 | Pass |

|                           |         |                     |       |   |   |       |   |   |      |      |
|---------------------------|---------|---------------------|-------|---|---|-------|---|---|------|------|
|                           | 3679.98 | B_Right             |       |   |   |       |   |   |      |      |
|                           |         | Edge_1R<br>B_Left   | 13.51 | / | / | 18.84 | / | / | <=23 | Pass |
|                           |         | Edge_1R<br>B_Right  | 14.31 | / | / | 19.64 | / | / | <=23 | Pass |
|                           |         | Outer_Fu<br>ll      | 14.18 | / | / | 19.51 | / | / | <=23 | Pass |
|                           |         | Inner_Ful<br>l      | 14.34 | / | / | 19.67 | / | / | <=23 | Pass |
|                           |         | Inner_1R<br>B_Left  | 13.53 | / | / | 18.86 | / | / | <=23 | Pass |
|                           |         | Inner_1R<br>B_Right | 14.11 | / | / | 19.44 | / | / | <=23 | Pass |
| DFT-s-<br>OFDM<br>64 QAM  | 3570    | Edge_1R<br>B_Left   | 12.22 | / | / | 17.55 | / | / | <=23 | Pass |
|                           |         | Edge_1R<br>B_Right  | 13.26 | / | / | 18.59 | / | / | <=23 | Pass |
|                           |         | Outer_Fu<br>ll      | 13.08 | / | / | 18.41 | / | / | <=23 | Pass |
|                           |         | Inner_Ful<br>l      | 13.27 | / | / | 18.60 | / | / | <=23 | Pass |
|                           |         | Inner_1R<br>B_Left  | 12.43 | / | / | 17.76 | / | / | <=23 | Pass |
|                           |         | Inner_1R<br>B_Right | 13.27 | / | / | 18.60 | / | / | <=23 | Pass |
|                           | 3624.99 | Edge_1R<br>B_Left   | 13.94 | / | / | 19.27 | / | / | <=23 | Pass |
|                           |         | Edge_1R<br>B_Right  | 13.74 | / | / | 19.07 | / | / | <=23 | Pass |
|                           |         | Outer_Fu<br>ll      | 14.08 | / | / | 19.41 | / | / | <=23 | Pass |
|                           |         | Inner_Ful<br>l      | 14.11 | / | / | 19.44 | / | / | <=23 | Pass |
|                           |         | Inner_1R<br>B_Left  | 13.88 | / | / | 19.21 | / | / | <=23 | Pass |
|                           |         | Inner_1R<br>B_Right | 13.67 | / | / | 19.00 | / | / | <=23 | Pass |
|                           | 3679.98 | Edge_1R<br>B_Left   | 13.76 | / | / | 19.09 | / | / | <=23 | Pass |
|                           |         | Edge_1R<br>B_Right  | 14.40 | / | / | 19.73 | / | / | <=23 | Pass |
|                           |         | Outer_Fu<br>ll      | 14.25 | / | / | 19.58 | / | / | <=23 | Pass |
|                           |         | Inner_Ful<br>l      | 14.36 | / | / | 19.69 | / | / | <=23 | Pass |
|                           |         | Inner_1R<br>B_Left  | 13.69 | / | / | 19.02 | / | / | <=23 | Pass |
|                           |         | Inner_1R<br>B_Right | 14.30 | / | / | 19.63 | / | / | <=23 | Pass |
| DFT-s-<br>OFDM<br>256 QAM | 3570    | Edge_1R<br>B_Left   | 11.99 | / | / | 17.32 | / | / | <=23 | Pass |
|                           |         | Edge_1R<br>B_Right  | 12.93 | / | / | 18.26 | / | / | <=23 | Pass |
|                           |         | Outer_Fu<br>ll      | 13.06 | / | / | 18.39 | / | / | <=23 | Pass |
|                           |         | Inner_Ful<br>l      | 13.21 | / | / | 18.54 | / | / | <=23 | Pass |
|                           |         | Inner_1R<br>B_Left  | 11.99 | / | / | 17.32 | / | / | <=23 | Pass |
|                           |         | Inner_1R<br>B_Right | 12.96 | / | / | 18.29 | / | / | <=23 | Pass |

|              |         |                     |       |   |   |       |   |   |      |      |
|--------------|---------|---------------------|-------|---|---|-------|---|---|------|------|
| CP-OFDM QPSK | 3624.99 | Edge_1R<br>B_Left   | 13.39 | / | / | 18.72 | / | / | <=23 | Pass |
|              |         | Edge_1R<br>B_Right  | 13.36 | / | / | 18.69 | / | / | <=23 | Pass |
|              |         | Outer_Fu<br>ll      | 14.01 | / | / | 19.34 | / | / | <=23 | Pass |
|              |         | Inner_Ful<br>l      | 13.95 | / | / | 19.28 | / | / | <=23 | Pass |
|              |         | Inner_1R<br>B_Left  | 13.40 | / | / | 18.73 | / | / | <=23 | Pass |
|              |         | Inner_1R<br>B_Right | 13.39 | / | / | 18.72 | / | / | <=23 | Pass |
|              | 3679.98 | Edge_1R<br>B_Left   | 13.31 | / | / | 18.64 | / | / | <=23 | Pass |
|              |         | Edge_1R<br>B_Right  | 13.87 | / | / | 19.20 | / | / | <=23 | Pass |
|              |         | Outer_Fu<br>ll      | 14.27 | / | / | 19.60 | / | / | <=23 | Pass |
|              |         | Inner_Ful<br>l      | 14.38 | / | / | 19.71 | / | / | <=23 | Pass |
|              |         | Inner_1R<br>B_Left  | 13.25 | / | / | 18.58 | / | / | <=23 | Pass |
|              |         | Inner_1R<br>B_Right | 13.89 | / | / | 19.22 | / | / | <=23 | Pass |
|              | 3570    | Edge_1R<br>B_Left   | 12.30 | / | / | 17.63 | / | / | <=23 | Pass |
|              |         | Edge_1R<br>B_Right  | 13.14 | / | / | 18.47 | / | / | <=23 | Pass |
|              |         | Outer_Fu<br>ll      | 13.16 | / | / | 18.49 | / | / | <=23 | Pass |
|              |         | Inner_Ful<br>l      | 13.18 | / | / | 18.51 | / | / | <=23 | Pass |
|              |         | Inner_1R<br>B_Left  | 12.25 | / | / | 17.58 | / | / | <=23 | Pass |
|              |         | Inner_1R<br>B_Right | 13.18 | / | / | 18.51 | / | / | <=23 | Pass |
|              | 3624.99 | Edge_1R<br>B_Left   | 13.79 | / | / | 19.12 | / | / | <=23 | Pass |
|              |         | Edge_1R<br>B_Right  | 13.66 | / | / | 18.99 | / | / | <=23 | Pass |
|              |         | Outer_Fu<br>ll      | 13.95 | / | / | 19.28 | / | / | <=23 | Pass |
|              |         | Inner_Ful<br>l      | 14.01 | / | / | 19.34 | / | / | <=23 | Pass |
|              |         | Inner_1R<br>B_Left  | 13.75 | / | / | 19.08 | / | / | <=23 | Pass |
|              |         | Inner_1R<br>B_Right | 13.70 | / | / | 19.03 | / | / | <=23 | Pass |
|              | 3679.98 | Edge_1R<br>B_Left   | 13.59 | / | / | 18.92 | / | / | <=23 | Pass |
|              |         | Edge_1R<br>B_Right  | 14.18 | / | / | 19.51 | / | / | <=23 | Pass |
|              |         | Outer_Fu<br>ll      | 14.22 | / | / | 19.55 | / | / | <=23 | Pass |
|              |         | Inner_Ful<br>l      | 14.32 | / | / | 19.65 | / | / | <=23 | Pass |
|              |         | Inner_1R<br>B_Left  | 13.65 | / | / | 18.98 | / | / | <=23 | Pass |
|              |         | Inner_1R<br>B_Right | 14.29 | / | / | 19.62 | / | / | <=23 | Pass |
| CP-          | 3570    | Edge_1R             | 12.30 | / | / | 17.63 | / | / | <=23 | Pass |

|                       |         |                     |       |   |   |       |   |   |      |      |
|-----------------------|---------|---------------------|-------|---|---|-------|---|---|------|------|
| OFDM<br>16 QAM        |         | B_Left              |       |   |   |       |   |   |      |      |
|                       |         | Edge_1R<br>B_Right  | 13.20 | / | / | 18.53 | / | / | <=23 | Pass |
|                       |         | Outer_Fu<br>II      | 13.15 | / | / | 18.48 | / | / | <=23 | Pass |
|                       |         | Inner_Ful<br>I      | 13.20 | / | / | 18.53 | / | / | <=23 | Pass |
|                       |         | Inner_1R<br>B_Left  | 12.34 | / | / | 17.67 | / | / | <=23 | Pass |
|                       |         | Inner_1R<br>B_Right | 13.09 | / | / | 18.42 | / | / | <=23 | Pass |
|                       | 3624.99 | Edge_1R<br>B_Left   | 13.85 | / | / | 19.18 | / | / | <=23 | Pass |
|                       |         | Edge_1R<br>B_Right  | 13.70 | / | / | 19.03 | / | / | <=23 | Pass |
|                       |         | Outer_Fu<br>II      | 13.87 | / | / | 19.20 | / | / | <=23 | Pass |
|                       |         | Inner_Ful<br>I      | 14.04 | / | / | 19.37 | / | / | <=23 | Pass |
|                       |         | Inner_1R<br>B_Left  | 14.03 | / | / | 19.36 | / | / | <=23 | Pass |
|                       |         | Inner_1R<br>B_Right | 13.81 | / | / | 19.14 | / | / | <=23 | Pass |
|                       | 3679.98 | Edge_1R<br>B_Left   | 13.70 | / | / | 19.03 | / | / | <=23 | Pass |
|                       |         | Edge_1R<br>B_Right  | 14.18 | / | / | 19.51 | / | / | <=23 | Pass |
|                       |         | Outer_Fu<br>II      | 14.12 | / | / | 19.45 | / | / | <=23 | Pass |
|                       |         | Inner_Ful<br>I      | 14.25 | / | / | 19.58 | / | / | <=23 | Pass |
|                       |         | Inner_1R<br>B_Left  | 13.59 | / | / | 18.92 | / | / | <=23 | Pass |
|                       |         | Inner_1R<br>B_Right | 14.19 | / | / | 19.52 | / | / | <=23 | Pass |
| CP-<br>OFDM<br>64 QAM | 3570    | Edge_1R<br>B_Left   | 12.50 | / | / | 17.83 | / | / | <=23 | Pass |
|                       |         | Edge_1R<br>B_Right  | 13.59 | / | / | 18.92 | / | / | <=23 | Pass |
|                       |         | Outer_Fu<br>II      | 13.19 | / | / | 18.52 | / | / | <=23 | Pass |
|                       |         | Inner_Ful<br>I      | 13.13 | / | / | 18.46 | / | / | <=23 | Pass |
|                       |         | Inner_1R<br>B_Left  | 12.56 | / | / | 17.89 | / | / | <=23 | Pass |
|                       |         | Inner_1R<br>B_Right | 13.42 | / | / | 18.75 | / | / | <=23 | Pass |
|                       | 3624.99 | Edge_1R<br>B_Left   | 13.99 | / | / | 19.32 | / | / | <=23 | Pass |
|                       |         | Edge_1R<br>B_Right  | 14.16 | / | / | 19.49 | / | / | <=23 | Pass |
|                       |         | Outer_Fu<br>II      | 14.01 | / | / | 19.34 | / | / | <=23 | Pass |
|                       |         | Inner_Ful<br>I      | 13.91 | / | / | 19.24 | / | / | <=23 | Pass |
|                       |         | Inner_1R<br>B_Left  | 14.04 | / | / | 19.37 | / | / | <=23 | Pass |
|                       |         | Inner_1R<br>B_Right | 13.77 | / | / | 19.10 | / | / | <=23 | Pass |
|                       | 3679.98 | Edge_1R<br>B_Left   | 13.76 | / | / | 19.09 | / | / | <=23 | Pass |

|                    |                                                                                                |                 |       |   |   |       |   |   |      |      |
|--------------------|------------------------------------------------------------------------------------------------|-----------------|-------|---|---|-------|---|---|------|------|
| CP-OFDM<br>256 QAM | 3570                                                                                           | Edge_1RB_Right  | 14.47 | / | / | 19.80 | / | / | <=23 | Pass |
|                    |                                                                                                | Outer_Full      | 14.25 | / | / | 19.58 | / | / | <=23 | Pass |
|                    |                                                                                                | Inner_Full      | 14.33 | / | / | 19.66 | / | / | <=23 | Pass |
|                    |                                                                                                | Inner_1RB_Left  | 13.76 | / | / | 19.09 | / | / | <=23 | Pass |
|                    |                                                                                                | Inner_1RB_Right | 14.37 | / | / | 19.70 | / | / | <=23 | Pass |
|                    | 3624.99                                                                                        | Edge_1RB_Left   | 11.86 | / | / | 17.19 | / | / | <=23 | Pass |
|                    |                                                                                                | Edge_1RB_Right  | 12.86 | / | / | 18.19 | / | / | <=23 | Pass |
|                    |                                                                                                | Outer_Full      | 13.05 | / | / | 18.38 | / | / | <=23 | Pass |
|                    |                                                                                                | Inner_Full      | 13.11 | / | / | 18.44 | / | / | <=23 | Pass |
|                    |                                                                                                | Inner_1RB_Left  | 11.98 | / | / | 17.31 | / | / | <=23 | Pass |
|                    |                                                                                                | Inner_1RB_Right | 12.90 | / | / | 18.23 | / | / | <=23 | Pass |
|                    |                                                                                                | Edge_1RB_Left   | 13.36 | / | / | 18.69 | / | / | <=23 | Pass |
|                    |                                                                                                | Edge_1RB_Right  | 13.28 | / | / | 18.61 | / | / | <=23 | Pass |
|                    |                                                                                                | Outer_Full      | 14.01 | / | / | 19.34 | / | / | <=23 | Pass |
|                    |                                                                                                | Inner_Full      | 13.99 | / | / | 19.32 | / | / | <=23 | Pass |
|                    |                                                                                                | Inner_1RB_Left  | 13.36 | / | / | 18.69 | / | / | <=23 | Pass |
|                    |                                                                                                | Inner_1RB_Right | 13.28 | / | / | 18.61 | / | / | <=23 | Pass |
|                    | 3679.98                                                                                        | Edge_1RB_Left   | 13.22 | / | / | 18.55 | / | / | <=23 | Pass |
|                    |                                                                                                | Edge_1RB_Right  | 13.87 | / | / | 19.20 | / | / | <=23 | Pass |
|                    |                                                                                                | Outer_Full      | 14.15 | / | / | 19.48 | / | / | <=23 | Pass |
|                    |                                                                                                | Inner_Full      | 14.26 | / | / | 19.59 | / | / | <=23 | Pass |
|                    |                                                                                                | Inner_1RB_Left  | 13.20 | / | / | 18.53 | / | / | <=23 | Pass |
|                    |                                                                                                | Inner_1RB_Right | 13.74 | / | / | 19.07 | / | / | <=23 | Pass |
|                    | Note1: Antenna Gain: Ant1: 5.33dBi; Ant2: 5.33dBi;<br>Note2: EIRP=Conducted Power+Antenna Gain |                 |       |   |   |       |   |   |      |      |

## 1.8 30k\_SISO\_40MHz\_NTNV\_EIRP/10MHz

### 1.8.1 Test Result

| 5G NR n48 SCS=30kHz SISO 40MHz NTN |                 |               |                            |      |     |                 |      |     |       |         |
|------------------------------------|-----------------|---------------|----------------------------|------|-----|-----------------|------|-----|-------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation | Conducted Power(dBm/10MHz) |      |     | EIRP(dBm/10MHz) |      |     |       | Verdict |
|                                    |                 |               | Ant1                       | Ant2 | Sum | Ant1            | Ant2 | Sum | Limit |         |
| DFT-s-                             | 3570            | Edge_1R       | 14.58                      | /    | /   | 19.91           | /    | /   | <=23  | Pass    |

|                        |         |                     |       |   |   |       |   |   |      |      |
|------------------------|---------|---------------------|-------|---|---|-------|---|---|------|------|
| OFDM<br>PI/2<br>BPSK   |         | B_Left              |       |   |   |       |   |   |      |      |
|                        |         | Edge_1R<br>B_Right  | 15.25 | / | / | 20.58 | / | / | <=23 | Pass |
|                        |         | Outer_Fu<br>ll      | 9.06  | / | / | 14.39 | / | / | <=23 | Pass |
|                        |         | Inner_Ful<br>l      | 12.00 | / | / | 17.33 | / | / | <=23 | Pass |
|                        |         | Inner_1R<br>B_Left  | 14.92 | / | / | 20.25 | / | / | <=23 | Pass |
|                        |         | Inner_1R<br>B_Right | 14.96 | / | / | 20.29 | / | / | <=23 | Pass |
|                        | 3624.99 | Edge_1R<br>B_Left   | 15.64 | / | / | 20.97 | / | / | <=23 | Pass |
|                        |         | Edge_1R<br>B_Right  | 15.59 | / | / | 20.92 | / | / | <=23 | Pass |
|                        |         | Outer_Fu<br>ll      | 10.19 | / | / | 15.52 | / | / | <=23 | Pass |
|                        |         | Inner_Ful<br>l      | 13.08 | / | / | 18.41 | / | / | <=23 | Pass |
|                        |         | Inner_1R<br>B_Left  | 15.56 | / | / | 20.89 | / | / | <=23 | Pass |
|                        |         | Inner_1R<br>B_Right | 15.02 | / | / | 20.35 | / | / | <=23 | Pass |
|                        | 3679.98 | Edge_1R<br>B_Left   | 16.36 | / | / | 21.69 | / | / | <=23 | Pass |
|                        |         | Edge_1R<br>B_Right  | 16.67 | / | / | 22.00 | / | / | <=23 | Pass |
|                        |         | Outer_Fu<br>ll      | 11.23 | / | / | 16.56 | / | / | <=23 | Pass |
|                        |         | Inner_Ful<br>l      | 13.56 | / | / | 18.89 | / | / | <=23 | Pass |
|                        |         | Inner_1R<br>B_Left  | 16.49 | / | / | 21.82 | / | / | <=23 | Pass |
|                        |         | Inner_1R<br>B_Right | 17.43 | / | / | 22.76 | / | / | <=23 | Pass |
| DFT-s-<br>OFDM<br>QPSK | 3570    | Edge_1R<br>B_Left   | 15.36 | / | / | 20.69 | / | / | <=23 | Pass |
|                        |         | Edge_1R<br>B_Right  | 15.07 | / | / | 20.40 | / | / | <=23 | Pass |
|                        |         | Outer_Fu<br>ll      | 8.43  | / | / | 13.76 | / | / | <=23 | Pass |
|                        |         | Inner_Ful<br>l      | 12.67 | / | / | 18.00 | / | / | <=23 | Pass |
|                        |         | Inner_1R<br>B_Left  | 15.22 | / | / | 20.55 | / | / | <=23 | Pass |
|                        |         | Inner_1R<br>B_Right | 15.94 | / | / | 21.27 | / | / | <=23 | Pass |
|                        | 3624.99 | Edge_1R<br>B_Left   | 16.33 | / | / | 21.66 | / | / | <=23 | Pass |
|                        |         | Edge_1R<br>B_Right  | 16.01 | / | / | 21.34 | / | / | <=23 | Pass |
|                        |         | Outer_Fu<br>ll      | 10.56 | / | / | 15.89 | / | / | <=23 | Pass |
|                        |         | Inner_Ful<br>l      | 13.35 | / | / | 18.68 | / | / | <=23 | Pass |
|                        |         | Inner_1R<br>B_Left  | 15.60 | / | / | 20.93 | / | / | <=23 | Pass |
|                        |         | Inner_1R<br>B_Right | 15.29 | / | / | 20.62 | / | / | <=23 | Pass |
|                        | 3679.98 | Edge_1R<br>B_Left   | 16.41 | / | / | 21.74 | / | / | <=23 | Pass |

|                          |         |                     |       |   |   |       |   |   |      |      |
|--------------------------|---------|---------------------|-------|---|---|-------|---|---|------|------|
|                          |         | Edge_1R<br>B_Right  | 16.88 | / | / | 22.21 | / | / | <=23 | Pass |
|                          |         | Outer_Fu<br>ll      | 10.61 | / | / | 15.94 | / | / | <=23 | Pass |
|                          |         | Inner_Ful<br>l      | 13.79 | / | / | 19.12 | / | / | <=23 | Pass |
|                          |         | Inner_1R<br>B_Left  | 16.99 | / | / | 22.32 | / | / | <=23 | Pass |
|                          |         | Inner_1R<br>B_Right | 16.94 | / | / | 22.27 | / | / | <=23 | Pass |
|                          |         |                     |       |   |   |       |   |   |      |      |
| DFT-s-<br>OFDM<br>16 QAM | 3570    | Edge_1R<br>B_Left   | 15.43 | / | / | 20.76 | / | / | <=23 | Pass |
|                          |         | Edge_1R<br>B_Right  | 15.65 | / | / | 20.98 | / | / | <=23 | Pass |
|                          |         | Outer_Fu<br>ll      | 9.44  | / | / | 14.77 | / | / | <=23 | Pass |
|                          |         | Inner_Ful<br>l      | 12.86 | / | / | 18.19 | / | / | <=23 | Pass |
|                          |         | Inner_1R<br>B_Left  | 15.30 | / | / | 20.63 | / | / | <=23 | Pass |
|                          |         | Inner_1R<br>B_Right | 16.16 | / | / | 21.49 | / | / | <=23 | Pass |
|                          | 3624.99 | Edge_1R<br>B_Left   | 16.02 | / | / | 21.35 | / | / | <=23 | Pass |
|                          |         | Edge_1R<br>B_Right  | 15.80 | / | / | 21.13 | / | / | <=23 | Pass |
|                          |         | Outer_Fu<br>ll      | 9.86  | / | / | 15.19 | / | / | <=23 | Pass |
|                          |         | Inner_Ful<br>l      | 13.27 | / | / | 18.60 | / | / | <=23 | Pass |
|                          |         | Inner_1R<br>B_Left  | 15.95 | / | / | 21.28 | / | / | <=23 | Pass |
|                          |         | Inner_1R<br>B_Right | 15.67 | / | / | 21.00 | / | / | <=23 | Pass |
|                          | 3679.98 | Edge_1R<br>B_Left   | 16.38 | / | / | 21.71 | / | / | <=23 | Pass |
|                          |         | Edge_1R<br>B_Right  | 17.40 | / | / | 22.73 | / | / | <=23 | Pass |
|                          |         | Outer_Fu<br>ll      | 10.86 | / | / | 16.19 | / | / | <=23 | Pass |
|                          |         | Inner_Ful<br>l      | 13.63 | / | / | 18.96 | / | / | <=23 | Pass |
|                          |         | Inner_1R<br>B_Left  | 17.22 | / | / | 22.55 | / | / | <=23 | Pass |
|                          |         | Inner_1R<br>B_Right | 16.66 | / | / | 21.99 | / | / | <=23 | Pass |
| DFT-s-<br>OFDM<br>64 QAM | 3570    | Edge_1R<br>B_Left   | 14.93 | / | / | 20.26 | / | / | <=23 | Pass |
|                          |         | Edge_1R<br>B_Right  | 16.33 | / | / | 21.66 | / | / | <=23 | Pass |
|                          |         | Outer_Fu<br>ll      | 10.15 | / | / | 15.48 | / | / | <=23 | Pass |
|                          |         | Inner_Ful<br>l      | 12.24 | / | / | 17.57 | / | / | <=23 | Pass |
|                          |         | Inner_1R<br>B_Left  | 15.24 | / | / | 20.57 | / | / | <=23 | Pass |
|                          |         | Inner_1R<br>B_Right | 14.80 | / | / | 20.13 | / | / | <=23 | Pass |
|                          | 3624.99 | Edge_1R<br>B_Left   | 15.79 | / | / | 21.12 | / | / | <=23 | Pass |
|                          |         | Edge_1R             | 15.55 | / | / | 20.88 | / | / | <=23 | Pass |

|                       |         |                     |       |   |   |       |   |   |      |      |
|-----------------------|---------|---------------------|-------|---|---|-------|---|---|------|------|
| DFT-s-OFDM<br>256 QAM | 3679.98 | B_Right             |       |   |   |       |   |   |      |      |
|                       |         | Outer_Fu<br>ll      | 10.78 | / | / | 16.11 | / | / | <=23 | Pass |
|                       |         | Inner_Ful<br>l      | 13.78 | / | / | 19.11 | / | / | <=23 | Pass |
|                       |         | Inner_1R<br>B_Left  | 15.63 | / | / | 20.96 | / | / | <=23 | Pass |
|                       |         | Inner_1R<br>B_Right | 16.73 | / | / | 22.06 | / | / | <=23 | Pass |
|                       |         | Edge_1R<br>B_Left   | 17.62 | / | / | 22.95 | / | / | <=23 | Pass |
|                       |         | Edge_1R<br>B_Right  | 16.91 | / | / | 22.24 | / | / | <=23 | Pass |
|                       | 3570    | Outer_Fu<br>ll      | 11.55 | / | / | 16.88 | / | / | <=23 | Pass |
|                       |         | Inner_Ful<br>l      | 14.36 | / | / | 19.69 | / | / | <=23 | Pass |
|                       |         | Inner_1R<br>B_Left  | 17.23 | / | / | 22.56 | / | / | <=23 | Pass |
|                       |         | Inner_1R<br>B_Right | 17.35 | / | / | 22.68 | / | / | <=23 | Pass |
|                       |         | Edge_1R<br>B_Left   | 14.46 | / | / | 19.79 | / | / | <=23 | Pass |
|                       |         | Edge_1R<br>B_Right  | 15.80 | / | / | 21.13 | / | / | <=23 | Pass |
| CP-OFDM<br>QPSK       | 3624.99 | Outer_Fu<br>ll      | 9.76  | / | / | 15.09 | / | / | <=23 | Pass |
|                       |         | Inner_Ful<br>l      | 12.03 | / | / | 17.36 | / | / | <=23 | Pass |
|                       |         | Inner_1R<br>B_Left  | 14.78 | / | / | 20.11 | / | / | <=23 | Pass |
|                       |         | Inner_1R<br>B_Right | 14.98 | / | / | 20.31 | / | / | <=23 | Pass |
|                       |         | Edge_1R<br>B_Left   | 16.08 | / | / | 21.41 | / | / | <=23 | Pass |
|                       |         | Edge_1R<br>B_Right  | 15.52 | / | / | 20.85 | / | / | <=23 | Pass |
|                       | 3679.98 | Outer_Fu<br>ll      | 10.82 | / | / | 16.15 | / | / | <=23 | Pass |
|                       |         | Inner_Ful<br>l      | 13.45 | / | / | 18.78 | / | / | <=23 | Pass |
|                       |         | Inner_1R<br>B_Left  | 15.67 | / | / | 21.00 | / | / | <=23 | Pass |
|                       |         | Inner_1R<br>B_Right | 15.34 | / | / | 20.67 | / | / | <=23 | Pass |
|                       |         | Edge_1R<br>B_Left   | 16.76 | / | / | 22.09 | / | / | <=23 | Pass |
|                       |         | Edge_1R<br>B_Right  | 16.64 | / | / | 21.97 | / | / | <=23 | Pass |
|                       | 3570    | Outer_Fu<br>ll      | 10.96 | / | / | 16.29 | / | / | <=23 | Pass |
|                       |         | Inner_Ful<br>l      | 13.46 | / | / | 18.79 | / | / | <=23 | Pass |
|                       | 3570    | Inner_1R<br>B_Left  | 16.27 | / | / | 21.60 | / | / | <=23 | Pass |
|                       |         | Inner_1R<br>B_Right | 16.75 | / | / | 22.08 | / | / | <=23 | Pass |
|                       | 3570    | Edge_1R<br>B_Left   | 14.64 | / | / | 19.97 | / | / | <=23 | Pass |
|                       |         | Edge_1R<br>B_Right  | 15.28 | / | / | 20.61 | / | / | <=23 | Pass |

|                   |         |                     |       |   |   |       |   |   |      |      |
|-------------------|---------|---------------------|-------|---|---|-------|---|---|------|------|
| CP-OFDM<br>16 QAM | 3624.99 | Outer_Fu<br>II      | 9.24  | / | / | 14.57 | / | / | <=23 | Pass |
|                   |         | Inner_Ful<br>I      | 12.06 | / | / | 17.39 | / | / | <=23 | Pass |
|                   |         | Inner_1R<br>B_Left  | 15.35 | / | / | 20.68 | / | / | <=23 | Pass |
|                   |         | Inner_1R<br>B_Right | 14.92 | / | / | 20.25 | / | / | <=23 | Pass |
|                   | 3624.99 | Edge_1R<br>B_Left   | 15.76 | / | / | 21.09 | / | / | <=23 | Pass |
|                   |         | Edge_1R<br>B_Right  | 15.86 | / | / | 21.19 | / | / | <=23 | Pass |
|                   |         | Outer_Fu<br>II      | 10.55 | / | / | 15.88 | / | / | <=23 | Pass |
|                   |         | Inner_Ful<br>I      | 13.27 | / | / | 18.60 | / | / | <=23 | Pass |
|                   |         | Inner_1R<br>B_Left  | 16.21 | / | / | 21.54 | / | / | <=23 | Pass |
|                   |         | Inner_1R<br>B_Right | 16.05 | / | / | 21.38 | / | / | <=23 | Pass |
|                   | 3679.98 | Edge_1R<br>B_Left   | 17.61 | / | / | 22.94 | / | / | <=23 | Pass |
|                   |         | Edge_1R<br>B_Right  | 17.35 | / | / | 22.68 | / | / | <=23 | Pass |
|                   |         | Outer_Fu<br>II      | 10.74 | / | / | 16.07 | / | / | <=23 | Pass |
|                   |         | Inner_Ful<br>I      | 13.11 | / | / | 18.44 | / | / | <=23 | Pass |
|                   |         | Inner_1R<br>B_Left  | 16.34 | / | / | 21.67 | / | / | <=23 | Pass |
|                   |         | Inner_1R<br>B_Right | 16.75 | / | / | 22.08 | / | / | <=23 | Pass |
|                   | 3570    | Edge_1R<br>B_Left   | 15.20 | / | / | 20.53 | / | / | <=23 | Pass |
|                   |         | Edge_1R<br>B_Right  | 16.19 | / | / | 21.52 | / | / | <=23 | Pass |
|                   |         | Outer_Fu<br>II      | 9.51  | / | / | 14.84 | / | / | <=23 | Pass |
|                   |         | Inner_Ful<br>I      | 12.31 | / | / | 17.64 | / | / | <=23 | Pass |
|                   |         | Inner_1R<br>B_Left  | 14.72 | / | / | 20.05 | / | / | <=23 | Pass |
|                   |         | Inner_1R<br>B_Right | 15.05 | / | / | 20.38 | / | / | <=23 | Pass |
|                   | 3624.99 | Edge_1R<br>B_Left   | 16.52 | / | / | 21.85 | / | / | <=23 | Pass |
|                   |         | Edge_1R<br>B_Right  | 15.65 | / | / | 20.98 | / | / | <=23 | Pass |
|                   |         | Outer_Fu<br>II      | 10.28 | / | / | 15.61 | / | / | <=23 | Pass |
|                   |         | Inner_Ful<br>I      | 13.43 | / | / | 18.76 | / | / | <=23 | Pass |
|                   |         | Inner_1R<br>B_Left  | 15.69 | / | / | 21.02 | / | / | <=23 | Pass |
|                   |         | Inner_1R<br>B_Right | 15.38 | / | / | 20.71 | / | / | <=23 | Pass |
|                   | 3679.98 | Edge_1R<br>B_Left   | 16.93 | / | / | 22.26 | / | / | <=23 | Pass |
|                   |         | Edge_1R<br>B_Right  | 16.72 | / | / | 22.05 | / | / | <=23 | Pass |
|                   |         | Outer_Fu            | 10.75 | / | / | 16.08 | / | / | <=23 | Pass |

|                    |         |                 |       |   |   |       |   |   |      |      |
|--------------------|---------|-----------------|-------|---|---|-------|---|---|------|------|
|                    |         | II              |       |   |   |       |   |   |      |      |
|                    |         | Inner_Full      | 14.27 | / | / | 19.60 | / | / | <=23 | Pass |
|                    |         | Inner_1RB_Left  | 17.11 | / | / | 22.44 | / | / | <=23 | Pass |
| CP-OFDM<br>64 QAM  | 3570    | Inner_1RB_Right | 16.44 | / | / | 21.77 | / | / | <=23 | Pass |
|                    |         | Edge_1RB_Left   | 15.28 | / | / | 20.61 | / | / | <=23 | Pass |
|                    |         | Edge_1RB_Right  | 15.48 | / | / | 20.81 | / | / | <=23 | Pass |
|                    |         | Outer_Full      | 9.00  | / | / | 14.33 | / | / | <=23 | Pass |
|                    |         | Inner_Full      | 12.46 | / | / | 17.79 | / | / | <=23 | Pass |
|                    |         | Inner_1RB_Left  | 14.81 | / | / | 20.14 | / | / | <=23 | Pass |
|                    | 3624.99 | Inner_1RB_Right | 15.21 | / | / | 20.54 | / | / | <=23 | Pass |
|                    |         | Edge_1RB_Left   | 15.50 | / | / | 20.83 | / | / | <=23 | Pass |
|                    |         | Edge_1RB_Right  | 16.16 | / | / | 21.49 | / | / | <=23 | Pass |
|                    |         | Outer_Full      | 10.26 | / | / | 15.59 | / | / | <=23 | Pass |
|                    |         | Inner_Full      | 12.84 | / | / | 18.17 | / | / | <=23 | Pass |
|                    |         | Inner_1RB_Left  | 15.96 | / | / | 21.29 | / | / | <=23 | Pass |
|                    | 3679.98 | Inner_1RB_Right | 16.22 | / | / | 21.55 | / | / | <=23 | Pass |
|                    |         | Edge_1RB_Left   | 16.04 | / | / | 21.37 | / | / | <=23 | Pass |
|                    |         | Edge_1RB_Right  | 16.40 | / | / | 21.73 | / | / | <=23 | Pass |
|                    |         | Outer_Full      | 11.01 | / | / | 16.34 | / | / | <=23 | Pass |
|                    |         | Inner_Full      | 13.96 | / | / | 19.29 | / | / | <=23 | Pass |
|                    |         | Inner_1RB_Left  | 16.82 | / | / | 22.15 | / | / | <=23 | Pass |
| CP-OFDM<br>256 QAM | 3570    | Inner_1RB_Right | 16.43 | / | / | 21.76 | / | / | <=23 | Pass |
|                    |         | Edge_1RB_Left   | 14.29 | / | / | 19.62 | / | / | <=23 | Pass |
|                    |         | Edge_1RB_Right  | 16.57 | / | / | 21.90 | / | / | <=23 | Pass |
|                    |         | Outer_Full      | 9.17  | / | / | 14.50 | / | / | <=23 | Pass |
|                    |         | Inner_Full      | 11.96 | / | / | 17.29 | / | / | <=23 | Pass |
|                    |         | Inner_1RB_Left  | 15.03 | / | / | 20.36 | / | / | <=23 | Pass |
|                    | 3624.99 | Inner_1RB_Right | 15.05 | / | / | 20.38 | / | / | <=23 | Pass |
|                    |         | Edge_1RB_Left   | 15.59 | / | / | 20.92 | / | / | <=23 | Pass |
|                    |         | Edge_1RB_Right  | 16.21 | / | / | 21.54 | / | / | <=23 | Pass |
|                    |         | Outer_Full      | 10.36 | / | / | 15.69 | / | / | <=23 | Pass |

|  |                                                                                                |                 |       |   |   |       |   |   |      |      |
|--|------------------------------------------------------------------------------------------------|-----------------|-------|---|---|-------|---|---|------|------|
|  |                                                                                                | Inner_Full      | 13.25 | / | / | 18.58 | / | / | <=23 | Pass |
|  |                                                                                                | Inner_1RB_Left  | 15.42 | / | / | 20.75 | / | / | <=23 | Pass |
|  |                                                                                                | Inner_1RB_Right | 16.15 | / | / | 21.48 | / | / | <=23 | Pass |
|  | 3679.98                                                                                        | Edge_1RB_Left   | 16.25 | / | / | 21.58 | / | / | <=23 | Pass |
|  |                                                                                                | Edge_1RB_Right  | 16.88 | / | / | 22.21 | / | / | <=23 | Pass |
|  |                                                                                                | Outer_Full      | 10.40 | / | / | 15.73 | / | / | <=23 | Pass |
|  |                                                                                                | Inner_Full      | 13.69 | / | / | 19.02 | / | / | <=23 | Pass |
|  |                                                                                                | Inner_1RB_Left  | 16.93 | / | / | 22.26 | / | / | <=23 | Pass |
|  |                                                                                                | Inner_1RB_Right | 16.60 | / | / | 21.93 | / | / | <=23 | Pass |
|  | Note1: Antenna Gain: Ant1: 5.33dBi; Ant2: 5.33dBi;<br>Note2: EIRP=Conducted Power+Antenna Gain |                 |       |   |   |       |   |   |      |      |

## 1.9 30k\_MIMO\_10MHz\_NTNV\_EIRP

### 1.9.1 Test Result

| 5G NR n48 SCS=30kHz MIMO 10MHz NTN |                 |                 |                      |       |       |           |       |       |       |         |
|------------------------------------|-----------------|-----------------|----------------------|-------|-------|-----------|-------|-------|-------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation   | Conducted Power(dBm) |       |       | EIRP(dBm) |       |       |       | Verdict |
|                                    |                 |                 | Ant1                 | Ant2  | Sum   | Ant1      | Ant2  | Sum   | Limit |         |
| CP-OFDM QPSK                       | 3555            | Edge_1RB_Left   | 9.55                 | 10.14 | 12.86 | 14.88     | 15.47 | 18.20 | <=23  | Pass    |
|                                    |                 | Edge_1RB_Right  | 9.96                 | 10.07 | 13.03 | 15.29     | 15.40 | 18.36 | <=23  | Pass    |
|                                    |                 | Outer_Full      | 9.68                 | 10.09 | 12.90 | 15.01     | 15.42 | 18.23 | <=23  | Pass    |
|                                    |                 | Inner_Full      | 9.67                 | 10.13 | 12.91 | 15.00     | 15.46 | 18.25 | <=23  | Pass    |
|                                    |                 | Inner_1RB_Left  | 9.50                 | 10.31 | 12.93 | 14.83     | 15.64 | 18.26 | <=23  | Pass    |
|                                    |                 | Inner_1RB_Right | 9.97                 | 10.10 | 13.04 | 15.30     | 15.43 | 18.38 | <=23  | Pass    |
|                                    | 3624.99         | Edge_1RB_Left   | 11.12                | 10.53 | 13.84 | 16.45     | 15.86 | 19.18 | <=23  | Pass    |
|                                    |                 | Edge_1RB_Right  | 11.04                | 10.66 | 13.87 | 16.37     | 15.99 | 19.19 | <=23  | Pass    |
|                                    |                 | Outer_Full      | 10.93                | 10.54 | 13.75 | 16.26     | 15.87 | 19.08 | <=23  | Pass    |
|                                    |                 | Inner_Full      | 11.09                | 10.56 | 13.84 | 16.42     | 15.89 | 19.17 | <=23  | Pass    |
|                                    |                 | Inner_1RB_Left  | 11.05                | 10.67 | 13.88 | 16.38     | 16.00 | 19.20 | <=23  | Pass    |
|                                    |                 | Inner_1RB_Right | 11.21                | 10.71 | 13.98 | 16.54     | 16.04 | 19.31 | <=23  | Pass    |
|                                    | 3694.98         | Edge_1RB_Left   | 11.41                | 10.73 | 14.09 | 16.74     | 16.06 | 19.42 | <=23  | Pass    |
|                                    |                 | Edge_1RB_Right  | 11.49                | 10.48 | 14.02 | 16.82     | 15.81 | 19.35 | <=23  | Pass    |
|                                    |                 | Outer_Full      | 11.24                | 10.57 | 13.93 | 16.57     | 15.90 | 19.26 | <=23  | Pass    |

|                   |         |                 |       |       |       |       |       |       |      |      |
|-------------------|---------|-----------------|-------|-------|-------|-------|-------|-------|------|------|
|                   |         | II              |       |       |       |       |       |       |      |      |
|                   |         | Inner_Full      | 11.30 | 10.57 | 13.96 | 16.63 | 15.90 | 19.29 | <=23 | Pass |
|                   |         | Inner_1RB_Left  | 11.40 | 10.60 | 14.03 | 16.73 | 15.93 | 19.36 | <=23 | Pass |
|                   |         | Inner_1RB_Right | 11.50 | 10.63 | 14.10 | 16.83 | 15.96 | 19.43 | <=23 | Pass |
| CP-OFDM<br>16 QAM | 3555    | Edge_1RB_Left   | 9.10  | 10.04 | 12.61 | 14.43 | 15.37 | 17.94 | <=23 | Pass |
|                   |         | Edge_1RB_Right  | 9.67  | 9.91  | 12.80 | 15.00 | 15.24 | 18.13 | <=23 | Pass |
|                   |         | Outer_Full      | 9.60  | 10.02 | 12.82 | 14.93 | 15.35 | 18.16 | <=23 | Pass |
|                   |         | Inner_Full      | 9.75  | 10.17 | 12.98 | 15.08 | 15.50 | 18.31 | <=23 | Pass |
|                   |         | Inner_1RB_Left  | 9.19  | 10.03 | 12.64 | 14.52 | 15.36 | 17.97 | <=23 | Pass |
|                   |         | Inner_1RB_Right | 9.60  | 9.93  | 12.78 | 14.93 | 15.26 | 18.11 | <=23 | Pass |
|                   | 3624.99 | Edge_1RB_Left   | 10.74 | 10.33 | 13.55 | 16.07 | 15.66 | 18.88 | <=23 | Pass |
|                   |         | Edge_1RB_Right  | 10.76 | 10.42 | 13.60 | 16.09 | 15.75 | 18.93 | <=23 | Pass |
|                   |         | Outer_Full      | 11.02 | 10.61 | 13.83 | 16.35 | 15.94 | 19.16 | <=23 | Pass |
|                   |         | Inner_Full      | 10.89 | 10.63 | 13.78 | 16.22 | 15.96 | 19.10 | <=23 | Pass |
|                   |         | Inner_1RB_Left  | 10.76 | 10.40 | 13.59 | 16.09 | 15.73 | 18.92 | <=23 | Pass |
|                   |         | Inner_1RB_Right | 10.81 | 10.48 | 13.66 | 16.14 | 15.81 | 18.99 | <=23 | Pass |
|                   | 3694.98 | Edge_1RB_Left   | 11.20 | 10.38 | 13.82 | 16.53 | 15.71 | 19.15 | <=23 | Pass |
|                   |         | Edge_1RB_Right  | 11.25 | 10.41 | 13.86 | 16.58 | 15.74 | 19.19 | <=23 | Pass |
|                   |         | Outer_Full      | 11.29 | 10.46 | 13.91 | 16.62 | 15.79 | 19.24 | <=23 | Pass |
|                   |         | Inner_Full      | 11.26 | 10.67 | 13.98 | 16.59 | 16.00 | 19.32 | <=23 | Pass |
|                   |         | Inner_1RB_Left  | 11.09 | 10.33 | 13.74 | 16.42 | 15.66 | 19.07 | <=23 | Pass |
|                   |         | Inner_1RB_Right | 11.24 | 10.43 | 13.87 | 16.57 | 15.76 | 19.19 | <=23 | Pass |
| CP-OFDM<br>64 QAM | 3555    | Edge_1RB_Left   | 9.60  | 10.22 | 12.93 | 14.93 | 15.55 | 18.26 | <=23 | Pass |
|                   |         | Edge_1RB_Right  | 10.08 | 10.08 | 13.09 | 15.41 | 15.41 | 18.42 | <=23 | Pass |
|                   |         | Outer_Full      | 9.52  | 10.19 | 12.88 | 14.85 | 15.52 | 18.21 | <=23 | Pass |
|                   |         | Inner_Full      | 9.83  | 10.21 | 13.03 | 15.16 | 15.54 | 18.36 | <=23 | Pass |
|                   |         | Inner_1RB_Left  | 9.62  | 10.21 | 12.93 | 14.95 | 15.54 | 18.27 | <=23 | Pass |
|                   |         | Inner_1RB_Right | 10.08 | 10.14 | 13.12 | 15.41 | 15.47 | 18.45 | <=23 | Pass |
|                   | 3624.99 | Edge_1RB_Left   | 11.20 | 10.55 | 13.90 | 16.53 | 15.88 | 19.23 | <=23 | Pass |
|                   |         | Edge_1RB_Right  | 11.15 | 10.60 | 13.90 | 16.48 | 15.93 | 19.22 | <=23 | Pass |
|                   |         | Outer_Full      | 11.00 | 10.62 | 13.82 | 16.33 | 15.95 | 19.15 | <=23 | Pass |

|                                                                                                                                                                              |         |                 |                 |       |       |       |       |       |       |      |      |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-----------------|-----------------|-------|-------|-------|-------|-------|-------|------|------|
| CP-OFDM<br>256 QAM                                                                                                                                                           | 3694.98 | Inner_Full      | 11.06           | 10.73 | 13.91 | 16.39 | 16.06 | 19.24 | <=23  | Pass |      |
|                                                                                                                                                                              |         | Inner_1RB_Left  | 11.24           | 10.55 | 13.92 | 16.57 | 15.88 | 19.25 | <=23  | Pass |      |
|                                                                                                                                                                              |         | Inner_1RB_Right | 11.28           | 10.69 | 14.00 | 16.61 | 16.02 | 19.34 | <=23  | Pass |      |
|                                                                                                                                                                              |         | Edge_1RB_Left   | 11.53           | 10.60 | 14.10 | 16.86 | 15.93 | 19.43 | <=23  | Pass |      |
|                                                                                                                                                                              |         | Edge_1RB_Right  | 11.61           | 10.59 | 14.14 | 16.94 | 15.92 | 19.47 | <=23  | Pass |      |
|                                                                                                                                                                              |         | Outer_Full      | 11.30           | 10.50 | 13.93 | 16.63 | 15.83 | 19.26 | <=23  | Pass |      |
|                                                                                                                                                                              |         | Inner_Full      | 11.31           | 10.59 | 13.98 | 16.64 | 15.92 | 19.31 | <=23  | Pass |      |
|                                                                                                                                                                              |         | Inner_1RB_Left  | 11.66           | 10.57 | 14.16 | 16.99 | 15.90 | 19.49 | <=23  | Pass |      |
|                                                                                                                                                                              |         | Inner_1RB_Right | 11.74           | 10.58 | 14.20 | 17.07 | 15.91 | 19.54 | <=23  | Pass |      |
|                                                                                                                                                                              | 3555    | Edge_1RB_Left   | 9.32            | 10.14 | 12.76 | 14.65 | 15.47 | 18.09 | <=23  | Pass |      |
|                                                                                                                                                                              |         | Edge_1RB_Right  | 9.77            | 10.07 | 12.94 | 15.10 | 15.40 | 18.26 | <=23  | Pass |      |
|                                                                                                                                                                              |         | Outer_Full      | 9.53            | 10.05 | 12.81 | 14.86 | 15.38 | 18.14 | <=23  | Pass |      |
|                                                                                                                                                                              |         | Inner_Full      | 9.58            | 10.07 | 12.84 | 14.91 | 15.40 | 18.17 | <=23  | Pass |      |
|                                                                                                                                                                              |         | Inner_1RB_Left  | 9.42            | 10.19 | 12.83 | 14.75 | 15.52 | 18.16 | <=23  | Pass |      |
|                                                                                                                                                                              |         | Inner_1RB_Right | 9.84            | 10.21 | 13.04 | 15.17 | 15.54 | 18.37 | <=23  | Pass |      |
|                                                                                                                                                                              |         | Edge_1RB_Left   | 10.93           | 10.58 | 13.77 | 16.26 | 15.91 | 19.10 | <=23  | Pass |      |
|                                                                                                                                                                              |         | Edge_1RB_Right  | 10.86           | 10.60 | 13.74 | 16.19 | 15.93 | 19.07 | <=23  | Pass |      |
|                                                                                                                                                                              |         | Outer_Full      | 10.85           | 10.52 | 13.70 | 16.18 | 15.85 | 19.03 | <=23  | Pass |      |
|                                                                                                                                                                              |         | Inner_Full      | 10.95           | 10.67 | 13.82 | 16.28 | 16.00 | 19.15 | <=23  | Pass |      |
|                                                                                                                                                                              |         | Inner_1RB_Left  | 10.88           | 10.62 | 13.76 | 16.21 | 15.95 | 19.09 | <=23  | Pass |      |
|                                                                                                                                                                              |         | Inner_1RB_Right | 10.94           | 10.67 | 13.82 | 16.27 | 16.00 | 19.15 | <=23  | Pass |      |
|                                                                                                                                                                              |         | 3694.98         | Edge_1RB_Left   | 11.27 | 10.55 | 13.94 | 16.60 | 15.88 | 19.27 | <=23 | Pass |
|                                                                                                                                                                              |         |                 | Edge_1RB_Right  | 11.21 | 10.54 | 13.90 | 16.54 | 15.87 | 19.23 | <=23 | Pass |
|                                                                                                                                                                              |         |                 | Outer_Full      | 11.35 | 10.50 | 13.96 | 16.68 | 15.83 | 19.29 | <=23 | Pass |
|                                                                                                                                                                              |         |                 | Inner_Full      | 11.28 | 10.49 | 13.92 | 16.61 | 15.82 | 19.24 | <=23 | Pass |
|                                                                                                                                                                              |         |                 | Inner_1RB_Left  | 11.19 | 10.66 | 13.94 | 16.52 | 15.99 | 19.27 | <=23 | Pass |
|                                                                                                                                                                              |         |                 | Inner_1RB_Right | 11.42 | 10.55 | 14.02 | 16.75 | 15.88 | 19.35 | <=23 | Pass |
| Note1: Antenna Gain: Ant1: 5.33dBi; Ant2: 5.33dBi;<br>Note2: ERP Ant 1=Conducted Power 1+Ant Gain-2.15 / ERP Ant 2=Conducted Power 2+Ant Gain-2.15 / Sum=ERP Ant 1+ERP Ant 2 |         |                 |                 |       |       |       |       |       |       |      |      |

## 1.10 30k\_MIMO\_10MHz\_NTNV\_EIRP/10MHz

## 1.10.1 Test Result

| 5G NR n48 SCS=30kHz MIMO 10MHz NTN |                 |                 |                            |       |       |                 |       |       |       |         |
|------------------------------------|-----------------|-----------------|----------------------------|-------|-------|-----------------|-------|-------|-------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation   | Conducted Power(dBm/10MHz) |       |       | EIRP(dBm/10MHz) |       |       |       | Verdict |
|                                    |                 |                 | Ant1                       | Ant2  | Sum   | Ant1            | Ant2  | Sum   | Limit |         |
| CP-OFDM QPSK                       | 3555            | Edge_1RB_Left   | 11.72                      | 12.00 | 14.87 | 17.05           | 17.33 | 20.20 | <=23  | Pass    |
|                                    |                 | Edge_1RB_Right  | 11.82                      | 11.84 | 14.84 | 17.15           | 17.17 | 20.17 | <=23  | Pass    |
|                                    |                 | Outer_Full      | 11.95                      | 11.89 | 14.93 | 17.28           | 17.22 | 20.26 | <=23  | Pass    |
|                                    |                 | Inner_Full      | 11.99                      | 11.84 | 14.93 | 17.32           | 17.17 | 20.26 | <=23  | Pass    |
|                                    |                 | Inner_1RB_Left  | 11.99                      | 11.45 | 14.74 | 17.32           | 16.78 | 20.07 | <=23  | Pass    |
|                                    |                 | Inner_1RB_Right | 12.03                      | 11.81 | 14.93 | 17.36           | 17.14 | 20.26 | <=23  | Pass    |
|                                    | 3624.99         | Edge_1RB_Left   | 11.94                      | 12.26 | 15.11 | 17.27           | 17.59 | 20.44 | <=23  | Pass    |
|                                    |                 | Edge_1RB_Right  | 12.41                      | 12.51 | 15.47 | 17.74           | 17.84 | 20.80 | <=23  | Pass    |
|                                    |                 | Outer_Full      | 12.09                      | 12.52 | 15.32 | 17.42           | 17.85 | 20.65 | <=23  | Pass    |
|                                    |                 | Inner_Full      | 12.56                      | 12.42 | 15.50 | 17.89           | 17.75 | 20.83 | <=23  | Pass    |
|                                    |                 | Inner_1RB_Left  | 12.59                      | 12.48 | 15.55 | 17.92           | 17.81 | 20.88 | <=23  | Pass    |
|                                    |                 | Inner_1RB_Right | 12.79                      | 12.60 | 15.71 | 18.12           | 17.93 | 21.04 | <=23  | Pass    |
|                                    | 3694.98         | Edge_1RB_Left   | 12.98                      | 12.76 | 15.88 | 18.31           | 18.09 | 21.21 | <=23  | Pass    |
|                                    |                 | Edge_1RB_Right  | 13.64                      | 12.17 | 15.98 | 18.97           | 17.50 | 21.31 | <=23  | Pass    |
|                                    |                 | Outer_Full      | 13.35                      | 12.37 | 15.90 | 18.68           | 17.70 | 21.23 | <=23  | Pass    |
|                                    |                 | Inner_Full      | 13.15                      | 12.57 | 15.88 | 18.48           | 17.90 | 21.21 | <=23  | Pass    |
|                                    |                 | Inner_1RB_Left  | 13.25                      | 12.32 | 15.82 | 18.58           | 17.65 | 21.15 | <=23  | Pass    |
|                                    |                 | Inner_1RB_Right | 13.90                      | 12.31 | 16.19 | 19.23           | 17.64 | 21.52 | <=23  | Pass    |
| CP-OFDM 16 QAM                     | 3555            | Edge_1RB_Left   | 11.63                      | 11.83 | 14.74 | 16.96           | 17.16 | 20.07 | <=23  | Pass    |
|                                    |                 | Edge_1RB_Right  | 11.92                      | 11.79 | 14.87 | 17.25           | 17.12 | 20.20 | <=23  | Pass    |
|                                    |                 | Outer_Full      | 11.78                      | 11.48 | 14.64 | 17.11           | 16.81 | 19.97 | <=23  | Pass    |
|                                    |                 | Inner_Full      | 11.85                      | 11.89 | 14.88 | 17.18           | 17.22 | 20.21 | <=23  | Pass    |
|                                    |                 | Inner_1RB_Left  | 11.71                      | 11.37 | 14.55 | 17.04           | 16.70 | 19.88 | <=23  | Pass    |
|                                    |                 | Inner_1RB_Right | 11.65                      | 11.53 | 14.60 | 16.98           | 16.86 | 19.93 | <=23  | Pass    |
|                                    | 3624.99         | Edge_1RB_Left   | 12.08                      | 12.46 | 15.28 | 17.41           | 17.79 | 20.61 | <=23  | Pass    |
|                                    |                 | Edge_1RB_Right  | 12.18                      | 12.32 | 15.26 | 17.51           | 17.65 | 20.59 | <=23  | Pass    |
|                                    |                 | Outer_Full      | 12.31                      | 12.51 | 15.42 | 17.64           | 17.84 | 20.75 | <=23  | Pass    |

|                        |         |                     |       |       |       |       |       |       |      |      |
|------------------------|---------|---------------------|-------|-------|-------|-------|-------|-------|------|------|
|                        |         | Inner_Ful<br>I      | 12.05 | 12.66 | 15.38 | 17.38 | 17.99 | 20.71 | <=23 | Pass |
|                        |         | Inner_1R<br>B_Left  | 11.95 | 12.89 | 15.46 | 17.28 | 18.22 | 20.79 | <=23 | Pass |
|                        |         | Inner_1R<br>B_Right | 12.15 | 12.26 | 15.22 | 17.48 | 17.59 | 20.55 | <=23 | Pass |
|                        | 3694.98 | Edge_1R<br>B_Left   | 13.08 | 12.39 | 15.76 | 18.41 | 17.72 | 21.09 | <=23 | Pass |
|                        |         | Edge_1R<br>B_Right  | 13.41 | 12.16 | 15.84 | 18.74 | 17.49 | 21.17 | <=23 | Pass |
|                        |         | Outer_Fu<br>II      | 13.28 | 12.42 | 15.88 | 18.61 | 17.75 | 21.21 | <=23 | Pass |
|                        |         | Inner_Ful<br>I      | 13.30 | 12.21 | 15.80 | 18.63 | 17.54 | 21.13 | <=23 | Pass |
|                        |         | Inner_1R<br>B_Left  | 12.73 | 12.18 | 15.47 | 18.06 | 17.51 | 20.80 | <=23 | Pass |
|                        |         | Inner_1R<br>B_Right | 13.76 | 11.95 | 15.96 | 19.09 | 17.28 | 21.29 | <=23 | Pass |
| CP-<br>OFDM<br>64 QAM  | 3555    | Edge_1R<br>B_Left   | 12.07 | 11.12 | 14.63 | 17.40 | 16.45 | 19.96 | <=23 | Pass |
|                        |         | Edge_1R<br>B_Right  | 12.16 | 11.65 | 14.92 | 17.49 | 16.98 | 20.25 | <=23 | Pass |
|                        |         | Outer_Fu<br>II      | 11.90 | 11.62 | 14.77 | 17.23 | 16.95 | 20.10 | <=23 | Pass |
|                        |         | Inner_Ful<br>I      | 12.00 | 11.78 | 14.90 | 17.33 | 17.11 | 20.23 | <=23 | Pass |
|                        |         | Inner_1R<br>B_Left  | 11.82 | 11.67 | 14.76 | 17.15 | 17.00 | 20.09 | <=23 | Pass |
|                        |         | Inner_1R<br>B_Right | 11.67 | 11.54 | 14.62 | 17.00 | 16.87 | 19.95 | <=23 | Pass |
|                        | 3624.99 | Edge_1R<br>B_Left   | 12.39 | 12.35 | 15.38 | 17.72 | 17.68 | 20.71 | <=23 | Pass |
|                        |         | Edge_1R<br>B_Right  | 12.60 | 12.55 | 15.59 | 17.93 | 17.88 | 20.92 | <=23 | Pass |
|                        |         | Outer_Fu<br>II      | 12.34 | 12.75 | 15.56 | 17.67 | 18.08 | 20.89 | <=23 | Pass |
|                        |         | Inner_Ful<br>I      | 12.33 | 12.61 | 15.48 | 17.66 | 17.94 | 20.81 | <=23 | Pass |
|                        |         | Inner_1R<br>B_Left  | 12.97 | 12.79 | 15.89 | 18.30 | 18.12 | 21.22 | <=23 | Pass |
|                        |         | Inner_1R<br>B_Right | 12.71 | 12.32 | 15.53 | 18.04 | 17.65 | 20.86 | <=23 | Pass |
|                        | 3694.98 | Edge_1R<br>B_Left   | 13.66 | 12.29 | 16.04 | 18.99 | 17.62 | 21.37 | <=23 | Pass |
|                        |         | Edge_1R<br>B_Right  | 13.34 | 12.07 | 15.76 | 18.67 | 17.40 | 21.09 | <=23 | Pass |
|                        |         | Outer_Fu<br>II      | 13.36 | 12.32 | 15.88 | 18.69 | 17.65 | 21.21 | <=23 | Pass |
|                        |         | Inner_Ful<br>I      | 13.51 | 12.96 | 16.25 | 18.84 | 18.29 | 21.58 | <=23 | Pass |
|                        |         | Inner_1R<br>B_Left  | 13.28 | 12.73 | 16.02 | 18.61 | 18.06 | 21.35 | <=23 | Pass |
|                        |         | Inner_1R<br>B_Right | 13.71 | 12.64 | 16.22 | 19.04 | 17.97 | 21.55 | <=23 | Pass |
| CP-<br>OFDM<br>256 QAM | 3555    | Edge_1R<br>B_Left   | 12.06 | 12.31 | 15.20 | 17.39 | 17.64 | 20.53 | <=23 | Pass |
|                        |         | Edge_1R<br>B_Right  | 11.83 | 11.61 | 14.73 | 17.16 | 16.94 | 20.06 | <=23 | Pass |
|                        |         | Outer_Fu<br>II      | 11.52 | 11.65 | 14.60 | 16.85 | 16.98 | 19.93 | <=23 | Pass |
|                        |         | Inner_Ful<br>I      | 11.51 | 11.69 | 14.61 | 16.84 | 17.02 | 19.94 | <=23 | Pass |

|                                                                                                                                                                                 |         |                     |       |       |       |       |       |       |      |      |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|---------------------|-------|-------|-------|-------|-------|-------|------|------|
|                                                                                                                                                                                 |         | I                   |       |       |       |       |       |       |      |      |
|                                                                                                                                                                                 |         | Inner_1R<br>B_Left  | 12.01 | 11.40 | 14.73 | 17.34 | 16.73 | 20.06 | <=23 | Pass |
|                                                                                                                                                                                 |         | Inner_1R<br>B_Right | 11.81 | 11.82 | 14.83 | 17.14 | 17.15 | 20.16 | <=23 | Pass |
|                                                                                                                                                                                 | 3624.99 | Edge_1R<br>B_Left   | 12.48 | 12.76 | 15.63 | 17.81 | 18.09 | 20.96 | <=23 | Pass |
|                                                                                                                                                                                 |         | Edge_1R<br>B_Right  | 12.28 | 12.77 | 15.54 | 17.61 | 18.10 | 20.87 | <=23 | Pass |
|                                                                                                                                                                                 |         | Outer_Fu<br>ll      | 12.09 | 12.69 | 15.41 | 17.42 | 18.02 | 20.74 | <=23 | Pass |
|                                                                                                                                                                                 |         | Inner_Ful<br>l      | 11.97 | 12.74 | 15.38 | 17.30 | 18.07 | 20.71 | <=23 | Pass |
|                                                                                                                                                                                 |         | Inner_1R<br>B_Left  | 12.56 | 13.19 | 15.90 | 17.89 | 18.52 | 21.23 | <=23 | Pass |
|                                                                                                                                                                                 |         | Inner_1R<br>B_Right | 12.66 | 12.84 | 15.76 | 17.99 | 18.17 | 21.09 | <=23 | Pass |
|                                                                                                                                                                                 | 3694.98 | Edge_1R<br>B_Left   | 13.26 | 12.64 | 15.97 | 18.59 | 17.97 | 21.30 | <=23 | Pass |
|                                                                                                                                                                                 |         | Edge_1R<br>B_Right  | 13.07 | 12.15 | 15.64 | 18.40 | 17.48 | 20.97 | <=23 | Pass |
|                                                                                                                                                                                 |         | Outer_Fu<br>ll      | 13.22 | 12.63 | 15.95 | 18.55 | 17.96 | 21.28 | <=23 | Pass |
|                                                                                                                                                                                 |         | Inner_Ful<br>l      | 13.31 | 12.20 | 15.80 | 18.64 | 17.53 | 21.13 | <=23 | Pass |
|                                                                                                                                                                                 |         | Inner_1R<br>B_Left  | 13.21 | 12.83 | 16.03 | 18.54 | 18.16 | 21.36 | <=23 | Pass |
|                                                                                                                                                                                 |         | Inner_1R<br>B_Right | 13.52 | 12.67 | 16.13 | 18.85 | 18.00 | 21.46 | <=23 | Pass |
| Note1: Antenna Gain: Ant1: 5.33dBi; Ant2: 5.33dBi;<br>Note2: ERP Ant 1=Conducted Power 1+Ant Gain-2.15 / ERP Ant 2=Conducted Power 2+Ant Gain-2.15 /<br>Sum=ERP Ant 1+ERP Ant 2 |         |                     |       |       |       |       |       |       |      |      |

## 1.11 30k\_MIMO\_20MHz\_NTNV\_EIRP

### 1.11.1 Test Result

| 5G NR n48 SCS=30kHz MIMO 20MHz NTN |                 |                     |                      |       |       |           |       |       |       |         |
|------------------------------------|-----------------|---------------------|----------------------|-------|-------|-----------|-------|-------|-------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation       | Conducted Power(dBm) |       |       | EIRP(dBm) |       |       |       | Verdict |
|                                    |                 |                     | Ant1                 | Ant2  | Sum   | Ant1      | Ant2  | Sum   | Limit |         |
| CP-OFDM QPSK                       | 3560.01         | Edge_1R<br>B_Left   | 9.80                 | 10.38 | 13.11 | 15.13     | 15.71 | 18.44 | <=23  | Pass    |
|                                    |                 | Edge_1R<br>B_Right  | 10.67                | 10.34 | 13.52 | 16.00     | 15.67 | 18.85 | <=23  | Pass    |
|                                    |                 | Outer_Fu<br>ll      | 10.05                | 10.34 | 13.21 | 15.38     | 15.67 | 18.54 | <=23  | Pass    |
|                                    |                 | Inner_Ful<br>l      | 9.99                 | 10.20 | 13.10 | 15.32     | 15.53 | 18.44 | <=23  | Pass    |
|                                    |                 | Inner_1R<br>B_Left  | 9.69                 | 10.62 | 13.19 | 15.02     | 15.95 | 18.52 | <=23  | Pass    |
|                                    |                 | Inner_1R<br>B_Right | 10.68                | 10.21 | 13.46 | 16.01     | 15.54 | 18.79 | <=23  | Pass    |
|                                    | 3624.99         | Edge_1R<br>B_Left   | 11.36                | 10.73 | 14.07 | 16.69     | 16.06 | 19.40 | <=23  | Pass    |
|                                    |                 | Edge_1R<br>B_Right  | 11.26                | 10.75 | 14.03 | 16.59     | 16.08 | 19.35 | <=23  | Pass    |
|                                    |                 | Outer_Fu            | 11.20                | 10.70 | 13.97 | 16.53     | 16.03 | 19.30 | <=23  | Pass    |

|                       |         |                     |       |       |       |       |       |       |      |      |
|-----------------------|---------|---------------------|-------|-------|-------|-------|-------|-------|------|------|
|                       |         | II                  |       |       |       |       |       |       |      |      |
|                       |         | Inner_Ful<br>I      | 11.10 | 10.75 | 13.94 | 16.43 | 16.08 | 19.27 | <=23 | Pass |
|                       |         | Inner_1R<br>B_Left  | 11.49 | 10.78 | 14.16 | 16.82 | 16.11 | 19.49 | <=23 | Pass |
|                       |         | Inner_1R<br>B_Right | 11.22 | 10.97 | 14.10 | 16.55 | 16.30 | 19.44 | <=23 | Pass |
|                       | 3690    | Edge_1R<br>B_Left   | 11.63 | 10.75 | 14.22 | 16.96 | 16.08 | 19.55 | <=23 | Pass |
|                       |         | Edge_1R<br>B_Right  | 11.41 | 10.73 | 14.09 | 16.74 | 16.06 | 19.42 | <=23 | Pass |
|                       |         | Outer_Fu<br>II      | 11.51 | 10.60 | 14.09 | 16.84 | 15.93 | 19.42 | <=23 | Pass |
|                       |         | Inner_Ful<br>I      | 11.51 | 10.58 | 14.08 | 16.84 | 15.91 | 19.41 | <=23 | Pass |
|                       |         | Inner_1R<br>B_Left  | 11.71 | 10.73 | 14.26 | 17.04 | 16.06 | 19.59 | <=23 | Pass |
|                       |         | Inner_1R<br>B_Right | 11.56 | 10.67 | 14.15 | 16.89 | 16.00 | 19.48 | <=23 | Pass |
| CP-<br>OFDM<br>16 QAM | 3560.01 | Edge_1R<br>B_Left   | 9.37  | 10.18 | 12.80 | 14.70 | 15.51 | 18.13 | <=23 | Pass |
|                       |         | Edge_1R<br>B_Right  | 10.24 | 10.08 | 13.17 | 15.57 | 15.41 | 18.50 | <=23 | Pass |
|                       |         | Outer_Fu<br>II      | 10.04 | 10.32 | 13.19 | 15.37 | 15.65 | 18.52 | <=23 | Pass |
|                       |         | Inner_Ful<br>I      | 10.08 | 10.30 | 13.20 | 15.41 | 15.63 | 18.53 | <=23 | Pass |
|                       |         | Inner_1R<br>B_Left  | 9.36  | 10.27 | 12.85 | 14.69 | 15.60 | 18.18 | <=23 | Pass |
|                       |         | Inner_1R<br>B_Right | 10.42 | 10.10 | 13.27 | 15.75 | 15.43 | 18.60 | <=23 | Pass |
|                       | 3624.99 | Edge_1R<br>B_Left   | 11.12 | 10.50 | 13.83 | 16.45 | 15.83 | 19.16 | <=23 | Pass |
|                       |         | Edge_1R<br>B_Right  | 10.99 | 10.63 | 13.82 | 16.32 | 15.96 | 19.15 | <=23 | Pass |
|                       |         | Outer_Fu<br>II      | 11.24 | 10.67 | 13.97 | 16.57 | 16.00 | 19.30 | <=23 | Pass |
|                       |         | Inner_Ful<br>I      | 11.16 | 10.67 | 13.93 | 16.49 | 16.00 | 19.26 | <=23 | Pass |
|                       |         | Inner_1R<br>B_Left  | 11.10 | 10.63 | 13.88 | 16.43 | 15.96 | 19.21 | <=23 | Pass |
|                       |         | Inner_1R<br>B_Right | 10.93 | 10.52 | 13.74 | 16.26 | 15.85 | 19.07 | <=23 | Pass |
|                       | 3690    | Edge_1R<br>B_Left   | 11.45 | 10.50 | 14.01 | 16.78 | 15.83 | 19.34 | <=23 | Pass |
|                       |         | Edge_1R<br>B_Right  | 11.28 | 10.49 | 13.92 | 16.61 | 15.82 | 19.24 | <=23 | Pass |
|                       |         | Outer_Fu<br>II      | 11.48 | 10.71 | 14.12 | 16.81 | 16.04 | 19.45 | <=23 | Pass |
|                       |         | Inner_Ful<br>I      | 11.50 | 10.59 | 14.08 | 16.83 | 15.92 | 19.41 | <=23 | Pass |
|                       |         | Inner_1R<br>B_Left  | 11.36 | 10.53 | 13.98 | 16.69 | 15.86 | 19.31 | <=23 | Pass |
|                       |         | Inner_1R<br>B_Right | 11.31 | 10.52 | 13.94 | 16.64 | 15.85 | 19.27 | <=23 | Pass |
| CP-<br>OFDM<br>64 QAM | 3560.01 | Edge_1R<br>B_Left   | 9.77  | 10.38 | 13.10 | 15.10 | 15.71 | 18.43 | <=23 | Pass |
|                       |         | Edge_1R<br>B_Right  | 10.52 | 10.18 | 13.36 | 15.85 | 15.51 | 18.69 | <=23 | Pass |
|                       |         | Outer_Fu<br>II      | 10.12 | 10.33 | 13.24 | 15.45 | 15.66 | 18.57 | <=23 | Pass |

|                    |         |                     |       |       |       |       |       |       |      |      |
|--------------------|---------|---------------------|-------|-------|-------|-------|-------|-------|------|------|
| CP-OFDM<br>256 QAM | 3624.99 | Inner_Ful<br>I      | 10.03 | 10.17 | 13.11 | 15.36 | 15.50 | 18.44 | <=23 | Pass |
|                    |         | Inner_1R<br>B_Left  | 9.73  | 10.46 | 13.12 | 15.06 | 15.79 | 18.45 | <=23 | Pass |
|                    |         | Inner_1R<br>B_Right | 10.57 | 10.16 | 13.38 | 15.90 | 15.49 | 18.71 | <=23 | Pass |
|                    |         | Edge_1R<br>B_Left   | 11.53 | 10.59 | 14.10 | 16.86 | 15.92 | 19.43 | <=23 | Pass |
|                    |         | Edge_1R<br>B_Right  | 11.28 | 10.67 | 13.99 | 16.61 | 16.00 | 19.33 | <=23 | Pass |
|                    |         | Outer_Fu<br>II      | 11.21 | 10.74 | 13.99 | 16.54 | 16.07 | 19.32 | <=23 | Pass |
|                    |         | Inner_Ful<br>I      | 11.15 | 10.65 | 13.92 | 16.48 | 15.98 | 19.25 | <=23 | Pass |
|                    |         | Inner_1R<br>B_Left  | 11.30 | 10.58 | 13.97 | 16.63 | 15.91 | 19.30 | <=23 | Pass |
|                    |         | Inner_1R<br>B_Right | 11.35 | 10.78 | 14.08 | 16.68 | 16.11 | 19.41 | <=23 | Pass |
|                    | 3690    | Edge_1R<br>B_Left   | 11.65 | 10.66 | 14.19 | 16.98 | 15.99 | 19.52 | <=23 | Pass |
|                    |         | Edge_1R<br>B_Right  | 11.64 | 10.64 | 14.18 | 16.97 | 15.97 | 19.51 | <=23 | Pass |
|                    |         | Outer_Fu<br>II      | 11.47 | 10.63 | 14.08 | 16.80 | 15.96 | 19.41 | <=23 | Pass |
|                    |         | Inner_Ful<br>I      | 11.56 | 10.53 | 14.09 | 16.89 | 15.86 | 19.42 | <=23 | Pass |
|                    |         | Inner_1R<br>B_Left  | 11.76 | 10.60 | 14.23 | 17.09 | 15.93 | 19.56 | <=23 | Pass |
|                    |         | Inner_1R<br>B_Right | 11.59 | 10.67 | 14.17 | 16.92 | 16.00 | 19.49 | <=23 | Pass |
|                    | 3560.01 | Edge_1R<br>B_Left   | 9.57  | 10.47 | 13.05 | 14.90 | 15.80 | 18.38 | <=23 | Pass |
|                    |         | Edge_1R<br>B_Right  | 10.34 | 10.26 | 13.31 | 15.67 | 15.59 | 18.64 | <=23 | Pass |
|                    |         | Outer_Fu<br>II      | 10.11 | 10.32 | 13.23 | 15.44 | 15.65 | 18.56 | <=23 | Pass |
|                    |         | Inner_Ful<br>I      | 10.07 | 10.34 | 13.22 | 15.40 | 15.67 | 18.55 | <=23 | Pass |
|                    |         | Inner_1R<br>B_Left  | 9.55  | 10.48 | 13.05 | 14.88 | 15.81 | 18.38 | <=23 | Pass |
|                    |         | Inner_1R<br>B_Right | 10.31 | 10.37 | 13.35 | 15.64 | 15.70 | 18.68 | <=23 | Pass |
|                    |         | Edge_1R<br>B_Left   | 11.18 | 10.66 | 13.94 | 16.51 | 15.99 | 19.27 | <=23 | Pass |
|                    |         | Edge_1R<br>B_Right  | 10.96 | 10.82 | 13.90 | 16.29 | 16.15 | 19.23 | <=23 | Pass |
|                    |         | Outer_Fu<br>II      | 11.22 | 10.63 | 13.94 | 16.55 | 15.96 | 19.28 | <=23 | Pass |
|                    |         | Inner_Ful<br>I      | 11.25 | 10.76 | 14.02 | 16.58 | 16.09 | 19.35 | <=23 | Pass |
|                    |         | Inner_1R<br>B_Left  | 11.17 | 10.64 | 13.92 | 16.50 | 15.97 | 19.25 | <=23 | Pass |
|                    |         | Inner_1R<br>B_Right | 11.06 | 10.84 | 13.96 | 16.39 | 16.17 | 19.29 | <=23 | Pass |
|                    | 3690    | Edge_1R<br>B_Left   | 11.33 | 10.61 | 14.00 | 16.66 | 15.94 | 19.33 | <=23 | Pass |
|                    |         | Edge_1R<br>B_Right  | 11.42 | 10.70 | 14.09 | 16.75 | 16.03 | 19.42 | <=23 | Pass |
|                    |         | Outer_Fu<br>II      | 11.50 | 10.76 | 14.15 | 16.83 | 16.09 | 19.49 | <=23 | Pass |
|                    |         | Inner_Ful<br>I      | 11.38 | 10.57 | 14.00 | 16.71 | 15.90 | 19.33 | <=23 | Pass |

|                                                                                                                                                                                 |  |                     |       |       |       |       |       |       |      |      |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------|-------|-------|-------|-------|-------|-------|------|------|
|                                                                                                                                                                                 |  | I                   |       |       |       |       |       |       |      |      |
|                                                                                                                                                                                 |  | Inner_1R<br>B_Left  | 11.32 | 10.78 | 14.07 | 16.65 | 16.11 | 19.40 | <=23 | Pass |
|                                                                                                                                                                                 |  | Inner_1R<br>B_Right | 11.27 | 10.63 | 13.97 | 16.60 | 15.96 | 19.30 | <=23 | Pass |
| Note1: Antenna Gain: Ant1: 5.33dBi; Ant2: 5.33dBi;<br>Note2: ERP Ant 1=Conducted Power 1+Ant Gain-2.15 / ERP Ant 2=Conducted Power 2+Ant Gain-2.15 /<br>Sum=ERP Ant 1+ERP Ant 2 |  |                     |       |       |       |       |       |       |      |      |

## 1.12 30k\_MIMO\_20MHz\_NTNV\_EIRP/10MHz

### 1.12.1 Test Result

| 5G NR n48 SCS=30kHz MIMO 20MHz NTN |                 |                  |                            |       |       |                 |       |       |       |         |
|------------------------------------|-----------------|------------------|----------------------------|-------|-------|-----------------|-------|-------|-------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation    | Conducted Power(dBm/10MHz) |       |       | EIRP(dBm/10MHz) |       |       |       | Verdict |
|                                    |                 |                  | Ant1                       | Ant2  | Sum   | Ant1            | Ant2  | Sum   | Limit |         |
| CP-OFDM QPSK                       | 3560.01         | Edge_1R B_Left   | 13.08                      | 9.67  | 14.71 | 18.41           | 15.00 | 20.04 | <=23  | Pass    |
|                                    |                 | Edge_1R B_Right  | 12.03                      | 12.82 | 15.45 | 17.36           | 18.15 | 20.78 | <=23  | Pass    |
|                                    |                 | Outer_Full       | 9.83                       | 9.52  | 12.69 | 15.16           | 14.85 | 18.02 | <=23  | Pass    |
|                                    |                 | Inner_Full       | 12.39                      | 11.82 | 15.12 | 17.72           | 17.15 | 20.45 | <=23  | Pass    |
|                                    |                 | Inner_1R B_Left  | 12.41                      | 13.09 | 15.77 | 17.74           | 18.42 | 21.10 | <=23  | Pass    |
|                                    |                 | Inner_1R B_Right | 12.30                      | 12.11 | 15.22 | 17.63           | 17.44 | 20.55 | <=23  | Pass    |
|                                    | 3624.99         | Edge_1R B_Left   | 9.41                       | 8.92  | 12.18 | 14.74           | 14.25 | 17.51 | <=23  | Pass    |
|                                    |                 | Edge_1R B_Right  | 12.45                      | 13.15 | 15.82 | 17.78           | 18.48 | 21.15 | <=23  | Pass    |
|                                    |                 | Outer_Full       | 11.36                      | 11.12 | 14.25 | 16.69           | 16.45 | 19.58 | <=23  | Pass    |
|                                    |                 | Inner_Full       | 13.64                      | 14.00 | 16.83 | 18.97           | 19.33 | 22.16 | <=23  | Pass    |
|                                    |                 | Inner_1R B_Left  | 13.22                      | 8.40  | 14.46 | 18.55           | 13.73 | 19.79 | <=23  | Pass    |
|                                    |                 | Inner_1R B_Right | 12.74                      | 13.64 | 16.22 | 18.07           | 18.97 | 21.55 | <=23  | Pass    |
|                                    | 3690            | Edge_1R B_Left   | 14.74                      | 14.16 | 17.47 | 20.07           | 19.49 | 22.80 | <=23  | Pass    |
|                                    |                 | Edge_1R B_Right  | 14.96                      | 13.83 | 17.44 | 20.29           | 19.16 | 22.77 | <=23  | Pass    |
|                                    |                 | Outer_Full       | 11.23                      | 10.55 | 13.91 | 16.56           | 15.88 | 19.24 | <=23  | Pass    |
|                                    |                 | Inner_Full       | 14.29                      | 13.18 | 16.78 | 19.62           | 18.51 | 22.11 | <=23  | Pass    |
|                                    |                 | Inner_1R B_Left  | 13.92                      | 14.28 | 17.11 | 19.25           | 19.61 | 22.44 | <=23  | Pass    |
|                                    |                 | Inner_1R B_Right | 14.46                      | 13.76 | 17.13 | 19.79           | 19.09 | 22.46 | <=23  | Pass    |
| CP-OFDM 16 QAM                     | 3560.01         | Edge_1R B_Left   | 12.36                      | 11.85 | 15.12 | 17.69           | 17.18 | 20.45 | <=23  | Pass    |
|                                    |                 | Edge_1R B_Right  | 12.72                      | 12.63 | 15.69 | 18.05           | 17.96 | 21.02 | <=23  | Pass    |
|                                    |                 | Outer_Full       | 10.05                      | 9.51  | 12.80 | 15.38           | 14.84 | 18.13 | <=23  | Pass    |

|                   |         |                 |       |       |       |       |       |       |      |      |
|-------------------|---------|-----------------|-------|-------|-------|-------|-------|-------|------|------|
| CP-OFDM<br>64 QAM | 3624.99 | II              |       |       |       |       |       |       |      |      |
|                   |         | Inner_Full      | 12.46 | 12.33 | 15.41 | 17.79 | 17.66 | 20.74 | <=23 | Pass |
|                   |         | Inner_1RB_Left  | 11.56 | 11.35 | 14.47 | 16.89 | 16.68 | 19.80 | <=23 | Pass |
|                   |         | Inner_1RB_Right | 12.49 | 12.57 | 15.54 | 17.82 | 17.90 | 20.87 | <=23 | Pass |
|                   |         | Edge_1RB_Left   | 12.06 | 11.59 | 14.84 | 17.39 | 16.92 | 20.17 | <=23 | Pass |
|                   |         | Edge_1RB_Right  | 12.35 | 13.94 | 16.23 | 17.68 | 19.27 | 21.56 | <=23 | Pass |
|                   |         | Outer_Full      | 11.20 | 11.20 | 14.21 | 16.53 | 16.53 | 19.54 | <=23 | Pass |
|                   |         | Inner_Full      | 13.40 | 13.84 | 16.64 | 18.73 | 19.17 | 21.97 | <=23 | Pass |
|                   |         | Inner_1RB_Left  | 12.16 | 12.69 | 15.44 | 17.49 | 18.02 | 20.77 | <=23 | Pass |
|                   |         | Inner_1RB_Right | 13.39 | 13.00 | 16.21 | 18.72 | 18.33 | 21.54 | <=23 | Pass |
|                   | 3690    | Edge_1RB_Left   | 13.76 | 13.47 | 16.63 | 19.09 | 18.80 | 21.96 | <=23 | Pass |
|                   |         | Edge_1RB_Right  | 14.37 | 14.31 | 17.35 | 19.70 | 19.64 | 22.68 | <=23 | Pass |
|                   |         | Outer_Full      | 11.70 | 11.33 | 14.53 | 17.03 | 16.66 | 19.86 | <=23 | Pass |
|                   |         | Inner_Full      | 13.94 | 13.10 | 16.55 | 19.27 | 18.43 | 21.88 | <=23 | Pass |
|                   |         | Inner_1RB_Left  | 14.24 | 13.28 | 16.80 | 19.57 | 18.61 | 22.13 | <=23 | Pass |
|                   |         | Inner_1RB_Right | 14.32 | 13.58 | 16.98 | 19.65 | 18.91 | 22.31 | <=23 | Pass |
|                   | 3560.01 | Edge_1RB_Left   | 12.36 | 11.04 | 14.76 | 17.69 | 16.37 | 20.09 | <=23 | Pass |
|                   |         | Edge_1RB_Right  | 12.15 | 12.40 | 15.29 | 17.48 | 17.73 | 20.62 | <=23 | Pass |
|                   |         | Outer_Full      | 9.83  | 9.42  | 12.64 | 15.16 | 14.75 | 17.97 | <=23 | Pass |
|                   |         | Inner_Full      | 12.02 | 11.79 | 14.92 | 17.35 | 17.12 | 20.25 | <=23 | Pass |
|                   |         | Inner_1RB_Left  | 12.44 | 11.07 | 14.82 | 17.77 | 16.40 | 20.15 | <=23 | Pass |
|                   |         | Inner_1RB_Right | 12.28 | 12.56 | 15.43 | 17.61 | 17.89 | 20.76 | <=23 | Pass |
|                   |         | Edge_1RB_Left   | 12.91 | 12.54 | 15.74 | 18.24 | 17.87 | 21.07 | <=23 | Pass |
|                   |         | Edge_1RB_Right  | 12.84 | 12.46 | 15.66 | 18.17 | 17.79 | 20.99 | <=23 | Pass |
|                   |         | Outer_Full      | 11.09 | 11.09 | 14.10 | 16.42 | 16.42 | 19.43 | <=23 | Pass |
|                   |         | Inner_Full      | 13.68 | 13.54 | 16.62 | 19.01 | 18.87 | 21.95 | <=23 | Pass |
|                   |         | Inner_1RB_Left  | 12.50 | 11.96 | 15.25 | 17.83 | 17.29 | 20.58 | <=23 | Pass |
|                   |         | Inner_1RB_Right | 12.76 | 13.86 | 16.36 | 18.09 | 19.19 | 21.69 | <=23 | Pass |
|                   | 3690    | Edge_1RB_Left   | 13.75 | 13.24 | 16.51 | 19.08 | 18.57 | 21.84 | <=23 | Pass |
|                   |         | Edge_1RB_Right  | 14.83 | 13.44 | 17.20 | 20.16 | 18.77 | 22.53 | <=23 | Pass |
|                   |         | Outer_Full      | 11.61 | 11.37 | 14.50 | 16.94 | 16.70 | 19.83 | <=23 | Pass |

|                                                                                                                                                                                 |         |                     |       |       |       |       |       |       |      |      |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|---------------------|-------|-------|-------|-------|-------|-------|------|------|
| CP-OFDM<br>256 QAM                                                                                                                                                              |         | Inner_Ful<br>I      | 14.30 | 13.71 | 17.03 | 19.63 | 19.04 | 22.36 | <=23 | Pass |
|                                                                                                                                                                                 |         | Inner_1R<br>B_Left  | 13.57 | 13.98 | 16.79 | 18.90 | 19.31 | 22.12 | <=23 | Pass |
|                                                                                                                                                                                 |         | Inner_1R<br>B_Right | 14.41 | 13.69 | 17.08 | 19.74 | 19.02 | 22.41 | <=23 | Pass |
|                                                                                                                                                                                 | 3560.01 | Edge_1R<br>B_Left   | 12.69 | 12.68 | 15.70 | 18.02 | 18.01 | 21.03 | <=23 | Pass |
|                                                                                                                                                                                 |         | Edge_1R<br>B_Right  | 11.88 | 12.62 | 15.28 | 17.21 | 17.95 | 20.61 | <=23 | Pass |
|                                                                                                                                                                                 |         | Outer_Fu<br>ll      | 9.64  | 9.72  | 12.69 | 14.97 | 15.05 | 18.02 | <=23 | Pass |
|                                                                                                                                                                                 |         | Inner_Ful<br>I      | 12.11 | 11.83 | 14.98 | 17.44 | 17.16 | 20.31 | <=23 | Pass |
|                                                                                                                                                                                 |         | Inner_1R<br>B_Left  | 11.93 | 12.24 | 15.10 | 17.26 | 17.57 | 20.43 | <=23 | Pass |
|                                                                                                                                                                                 |         | Inner_1R<br>B_Right | 11.12 | 11.63 | 14.39 | 16.45 | 16.96 | 19.72 | <=23 | Pass |
|                                                                                                                                                                                 | 3624.99 | Edge_1R<br>B_Left   | 12.51 | 12.82 | 15.68 | 17.84 | 18.15 | 21.01 | <=23 | Pass |
|                                                                                                                                                                                 |         | Edge_1R<br>B_Right  | 12.86 | 12.86 | 15.87 | 18.19 | 18.19 | 21.20 | <=23 | Pass |
|                                                                                                                                                                                 |         | Outer_Fu<br>ll      | 11.47 | 11.58 | 14.54 | 16.80 | 16.91 | 19.87 | <=23 | Pass |
|                                                                                                                                                                                 |         | Inner_Ful<br>I      | 13.73 | 13.79 | 16.77 | 19.06 | 19.12 | 22.10 | <=23 | Pass |
|                                                                                                                                                                                 |         | Inner_1R<br>B_Left  | 12.92 | 12.92 | 15.93 | 18.25 | 18.25 | 21.26 | <=23 | Pass |
|                                                                                                                                                                                 |         | Inner_1R<br>B_Right | 13.21 | 13.01 | 16.12 | 18.54 | 18.34 | 21.45 | <=23 | Pass |
|                                                                                                                                                                                 | 3690    | Edge_1R<br>B_Left   | 14.80 | 13.42 | 17.17 | 20.13 | 18.75 | 22.50 | <=23 | Pass |
|                                                                                                                                                                                 |         | Edge_1R<br>B_Right  | 14.62 | 13.21 | 16.98 | 19.95 | 18.54 | 22.31 | <=23 | Pass |
|                                                                                                                                                                                 |         | Outer_Fu<br>ll      | 11.59 | 11.27 | 14.44 | 16.92 | 16.60 | 19.77 | <=23 | Pass |
|                                                                                                                                                                                 |         | Inner_Ful<br>I      | 14.67 | 13.91 | 17.32 | 20.00 | 19.24 | 22.65 | <=23 | Pass |
|                                                                                                                                                                                 |         | Inner_1R<br>B_Left  | 13.43 | 13.22 | 16.34 | 18.76 | 18.55 | 21.67 | <=23 | Pass |
|                                                                                                                                                                                 |         | Inner_1R<br>B_Right | 13.85 | 13.46 | 16.67 | 19.18 | 18.79 | 22.00 | <=23 | Pass |
| Note1: Antenna Gain: Ant1: 5.33dBi; Ant2: 5.33dBi;<br>Note2: ERP Ant 1=Conducted Power 1+Ant Gain-2.15 / ERP Ant 2=Conducted Power 2+Ant Gain-2.15 /<br>Sum=ERP Ant 1+ERP Ant 2 |         |                     |       |       |       |       |       |       |      |      |

### 1.13 30k\_MIMO\_30MHz\_NTNV\_EIRP

#### 1.13.1 Test Result

| 5G NR n48 SCS=30kHz MIMO 30MHz NTNV |                 |                |                      |       |       |           |       |       |       |         |
|-------------------------------------|-----------------|----------------|----------------------|-------|-------|-----------|-------|-------|-------|---------|
| Modulation                          | Frequency (MHz) | RB Allocation  | Conducted Power(dBm) |       |       | EIRP(dBm) |       |       |       | Verdict |
|                                     |                 |                | Ant1                 | Ant2  | Sum   | Ant1      | Ant2  | Sum   | Limit |         |
| CP-OFDM QPSK                        | 3565.02         | Edge_1RB_Left  | 9.78                 | 10.51 | 13.17 | 15.11     | 15.84 | 18.50 | <=23  | Pass    |
|                                     |                 | Edge_1RB_Right | 10.32                | 10.44 | 13.39 | 15.65     | 15.77 | 18.72 | <=23  | Pass    |

|                   |         |                     |       |       |       |       |       |       |      |      |
|-------------------|---------|---------------------|-------|-------|-------|-------|-------|-------|------|------|
| CP-OFDM<br>16 QAM | 3624.99 | Outer_Fu<br>II      | 10.12 | 10.16 | 13.15 | 15.45 | 15.49 | 18.48 | <=23 | Pass |
|                   |         | Inner_Ful<br>I      | 10.24 | 10.20 | 13.23 | 15.57 | 15.53 | 18.56 | <=23 | Pass |
|                   |         | Inner_1R<br>B_Left  | 9.78  | 10.47 | 13.15 | 15.11 | 15.80 | 18.48 | <=23 | Pass |
|                   |         | Inner_1R<br>B_Right | 10.35 | 10.37 | 13.37 | 15.68 | 15.70 | 18.70 | <=23 | Pass |
|                   | 3624.99 | Edge_1R<br>B_Left   | 11.40 | 10.71 | 14.08 | 16.73 | 16.04 | 19.41 | <=23 | Pass |
|                   |         | Edge_1R<br>B_Right  | 11.23 | 10.85 | 14.06 | 16.56 | 16.18 | 19.38 | <=23 | Pass |
|                   |         | Outer_Fu<br>II      | 11.16 | 10.66 | 13.93 | 16.49 | 15.99 | 19.26 | <=23 | Pass |
|                   |         | Inner_Ful<br>I      | 11.14 | 10.73 | 13.95 | 16.47 | 16.06 | 19.28 | <=23 | Pass |
|                   |         | Inner_1R<br>B_Left  | 11.46 | 10.84 | 14.17 | 16.79 | 16.17 | 19.50 | <=23 | Pass |
|                   |         | Inner_1R<br>B_Right | 11.12 | 10.89 | 14.02 | 16.45 | 16.22 | 19.35 | <=23 | Pass |
|                   | 3684.99 | Edge_1R<br>B_Left   | 11.56 | 10.68 | 14.15 | 16.89 | 16.01 | 19.48 | <=23 | Pass |
|                   |         | Edge_1R<br>B_Right  | 11.69 | 10.76 | 14.26 | 17.02 | 16.09 | 19.59 | <=23 | Pass |
|                   |         | Outer_Fu<br>II      | 11.51 | 10.65 | 14.11 | 16.84 | 15.98 | 19.44 | <=23 | Pass |
|                   |         | Inner_Ful<br>I      | 11.58 | 10.74 | 14.19 | 16.91 | 16.07 | 19.52 | <=23 | Pass |
|                   |         | Inner_1R<br>B_Left  | 11.76 | 10.73 | 14.29 | 17.09 | 16.06 | 19.62 | <=23 | Pass |
|                   |         | Inner_1R<br>B_Right | 11.75 | 10.73 | 14.28 | 17.08 | 16.06 | 19.61 | <=23 | Pass |
|                   | 3565.02 | Edge_1R<br>B_Left   | 9.36  | 10.26 | 12.85 | 14.69 | 15.59 | 18.17 | <=23 | Pass |
|                   |         | Edge_1R<br>B_Right  | 10.11 | 10.17 | 13.15 | 15.44 | 15.50 | 18.48 | <=23 | Pass |
|                   |         | Outer_Fu<br>II      | 10.12 | 10.21 | 13.18 | 15.45 | 15.54 | 18.51 | <=23 | Pass |
|                   |         | Inner_Ful<br>I      | 10.26 | 10.30 | 13.29 | 15.59 | 15.63 | 18.62 | <=23 | Pass |
|                   |         | Inner_1R<br>B_Left  | 9.43  | 10.36 | 12.93 | 14.76 | 15.69 | 18.26 | <=23 | Pass |
|                   |         | Inner_1R<br>B_Right | 10.14 | 10.14 | 13.15 | 15.47 | 15.47 | 18.48 | <=23 | Pass |
|                   | 3624.99 | Edge_1R<br>B_Left   | 10.96 | 10.62 | 13.81 | 16.29 | 15.95 | 19.13 | <=23 | Pass |
|                   |         | Edge_1R<br>B_Right  | 10.93 | 10.54 | 13.75 | 16.26 | 15.87 | 19.08 | <=23 | Pass |
|                   |         | Outer_Fu<br>II      | 11.08 | 10.62 | 13.87 | 16.41 | 15.95 | 19.20 | <=23 | Pass |
|                   |         | Inner_Ful<br>I      | 11.19 | 10.63 | 13.93 | 16.52 | 15.96 | 19.26 | <=23 | Pass |
|                   |         | Inner_1R<br>B_Left  | 11.11 | 10.63 | 13.88 | 16.44 | 15.96 | 19.22 | <=23 | Pass |
|                   |         | Inner_1R<br>B_Right | 10.83 | 10.66 | 13.76 | 16.16 | 15.99 | 19.09 | <=23 | Pass |
|                   | 3684.99 | Edge_1R<br>B_Left   | 11.32 | 10.68 | 14.02 | 16.65 | 16.01 | 19.35 | <=23 | Pass |
|                   |         | Edge_1R<br>B_Right  | 11.30 | 10.66 | 14.00 | 16.63 | 15.99 | 19.33 | <=23 | Pass |
|                   |         | Outer_Fu<br>II      | 11.40 | 10.66 | 14.06 | 16.73 | 15.99 | 19.39 | <=23 | Pass |

|                    |         |                 |       |       |       |       |       |       |      |      |
|--------------------|---------|-----------------|-------|-------|-------|-------|-------|-------|------|------|
|                    |         | II              |       |       |       |       |       |       |      |      |
|                    |         | Inner_Full      | 11.54 | 10.86 | 14.23 | 16.87 | 16.19 | 19.55 | <=23 | Pass |
|                    |         | Inner_1RB_Left  | 11.29 | 10.63 | 13.98 | 16.62 | 15.96 | 19.31 | <=23 | Pass |
|                    |         | Inner_1RB_Right | 11.42 | 10.63 | 14.05 | 16.75 | 15.96 | 19.38 | <=23 | Pass |
| CP-OFDM<br>64 QAM  | 3565.02 | Edge_1RB_Left   | 9.70  | 10.42 | 13.08 | 15.03 | 15.75 | 18.42 | <=23 | Pass |
|                    |         | Edge_1RB_Right  | 10.47 | 10.36 | 13.43 | 15.80 | 15.69 | 18.76 | <=23 | Pass |
|                    |         | Outer_Full      | 10.15 | 10.19 | 13.18 | 15.48 | 15.52 | 18.51 | <=23 | Pass |
|                    |         | Inner_Full      | 10.18 | 10.10 | 13.15 | 15.51 | 15.43 | 18.48 | <=23 | Pass |
|                    |         | Inner_1RB_Left  | 9.71  | 10.50 | 13.13 | 15.04 | 15.83 | 18.46 | <=23 | Pass |
|                    |         | Inner_1RB_Right | 10.51 | 10.31 | 13.42 | 15.84 | 15.64 | 18.75 | <=23 | Pass |
|                    | 3624.99 | Edge_1RB_Left   | 11.38 | 10.84 | 14.13 | 16.71 | 16.17 | 19.46 | <=23 | Pass |
|                    |         | Edge_1RB_Right  | 11.22 | 10.81 | 14.03 | 16.55 | 16.14 | 19.36 | <=23 | Pass |
|                    |         | Outer_Full      | 11.18 | 10.73 | 13.97 | 16.51 | 16.06 | 19.30 | <=23 | Pass |
|                    |         | Inner_Full      | 11.14 | 10.55 | 13.87 | 16.47 | 15.88 | 19.20 | <=23 | Pass |
|                    |         | Inner_1RB_Left  | 11.47 | 10.86 | 14.19 | 16.80 | 16.19 | 19.52 | <=23 | Pass |
|                    |         | Inner_1RB_Right | 11.34 | 10.70 | 14.04 | 16.67 | 16.03 | 19.37 | <=23 | Pass |
|                    | 3684.99 | Edge_1RB_Left   | 11.59 | 10.70 | 14.18 | 16.92 | 16.03 | 19.51 | <=23 | Pass |
|                    |         | Edge_1RB_Right  | 11.80 | 10.86 | 14.37 | 17.13 | 16.19 | 19.70 | <=23 | Pass |
|                    |         | Outer_Full      | 11.60 | 10.70 | 14.18 | 16.93 | 16.03 | 19.51 | <=23 | Pass |
|                    |         | Inner_Full      | 11.47 | 10.80 | 14.16 | 16.80 | 16.13 | 19.49 | <=23 | Pass |
|                    |         | Inner_1RB_Left  | 11.68 | 10.79 | 14.27 | 17.01 | 16.12 | 19.60 | <=23 | Pass |
|                    |         | Inner_1RB_Right | 11.70 | 10.87 | 14.32 | 17.03 | 16.20 | 19.65 | <=23 | Pass |
| CP-OFDM<br>256 QAM | 3565.02 | Edge_1RB_Left   | 9.49  | 10.45 | 13.01 | 14.82 | 15.78 | 18.34 | <=23 | Pass |
|                    |         | Edge_1RB_Right  | 10.09 | 10.25 | 13.18 | 15.42 | 15.58 | 18.51 | <=23 | Pass |
|                    |         | Outer_Full      | 10.16 | 10.15 | 13.17 | 15.49 | 15.48 | 18.50 | <=23 | Pass |
|                    |         | Inner_Full      | 10.32 | 10.17 | 13.26 | 15.65 | 15.50 | 18.59 | <=23 | Pass |
|                    |         | Inner_1RB_Left  | 9.54  | 10.32 | 12.96 | 14.87 | 15.65 | 18.29 | <=23 | Pass |
|                    |         | Inner_1RB_Right | 10.24 | 10.42 | 13.34 | 15.57 | 15.75 | 18.67 | <=23 | Pass |
|                    | 3624.99 | Edge_1RB_Left   | 11.11 | 10.85 | 13.99 | 16.44 | 16.18 | 19.32 | <=23 | Pass |
|                    |         | Edge_1RB_Right  | 10.96 | 10.78 | 13.89 | 16.29 | 16.11 | 19.21 | <=23 | Pass |
|                    |         | Outer_Full      | 11.27 | 10.67 | 13.99 | 16.60 | 16.00 | 19.32 | <=23 | Pass |

|                                                                                                                                                                              |         |                     |       |       |       |       |       |       |      |      |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|---------------------|-------|-------|-------|-------|-------|-------|------|------|
|                                                                                                                                                                              |         | Inner_Ful<br>I      | 11.21 | 10.71 | 13.98 | 16.54 | 16.04 | 19.31 | <=23 | Pass |
|                                                                                                                                                                              |         | Inner_1R<br>B_Left  | 11.15 | 10.69 | 13.94 | 16.48 | 16.02 | 19.27 | <=23 | Pass |
|                                                                                                                                                                              |         | Inner_1R<br>B_Right | 11.00 | 10.85 | 13.94 | 16.33 | 16.18 | 19.27 | <=23 | Pass |
|                                                                                                                                                                              | 3684.99 | Edge_1R<br>B_Left   | 11.33 | 10.86 | 14.11 | 16.66 | 16.19 | 19.44 | <=23 | Pass |
|                                                                                                                                                                              |         | Edge_1R<br>B_Right  | 11.42 | 10.89 | 14.17 | 16.75 | 16.22 | 19.50 | <=23 | Pass |
|                                                                                                                                                                              |         | Outer_Fu<br>ll      | 11.61 | 10.85 | 14.25 | 16.94 | 16.18 | 19.59 | <=23 | Pass |
|                                                                                                                                                                              |         | Inner_Ful<br>I      | 11.63 | 10.74 | 14.22 | 16.96 | 16.07 | 19.55 | <=23 | Pass |
|                                                                                                                                                                              |         | Inner_1R<br>B_Left  | 11.47 | 10.79 | 14.15 | 16.80 | 16.12 | 19.48 | <=23 | Pass |
| Inner_1R<br>B_Right                                                                                                                                                          | 11.61   | 10.85               | 14.26 | 16.94 | 16.18 | 19.59 | <=23  | Pass  |      |      |
| Note1: Antenna Gain: Ant1: 5.33dBi; Ant2: 5.33dBi;<br>Note2: ERP Ant 1=Conducted Power 1+Ant Gain-2.15 / ERP Ant 2=Conducted Power 2+Ant Gain-2.15 / Sum=ERP Ant 1+ERP Ant 2 |         |                     |       |       |       |       |       |       |      |      |

## 1.14 30k\_MIMO\_30MHz\_NTNV\_EIRP/10MHz

### 1.14.1 Test Result

| 5G NR n48 SCS=30kHz MIMO 30MHz NTN |                 |                 |                            |       |       |                 |       |       |       |         |
|------------------------------------|-----------------|-----------------|----------------------------|-------|-------|-----------------|-------|-------|-------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation   | Conducted Power(dBm/10MHz) |       |       | EIRP(dBm/10MHz) |       |       |       | Verdict |
|                                    |                 |                 | Ant1                       | Ant2  | Sum   | Ant1            | Ant2  | Sum   | Limit |         |
| CP-OFDM QPSK                       | 3565.02         | Edge_1RB_Left   | 11.96                      | 12.44 | 15.22 | 17.29           | 17.77 | 20.55 | <=23  | Pass    |
|                                    |                 | Edge_1RB_Right  | 12.94                      | 12.88 | 15.92 | 18.27           | 18.21 | 21.25 | <=23  | Pass    |
|                                    |                 | Outer_Full      | 8.34                       | 8.02  | 11.19 | 13.67           | 13.35 | 16.52 | <=23  | Pass    |
|                                    |                 | Inner_Full      | 11.40                      | 11.32 | 14.37 | 16.73           | 16.65 | 19.70 | <=23  | Pass    |
|                                    |                 | Inner_1RB_Left  | 12.93                      | 11.86 | 15.44 | 18.26           | 17.19 | 20.77 | <=23  | Pass    |
|                                    |                 | Inner_1RB_Right | 13.09                      | 12.25 | 15.70 | 18.42           | 17.58 | 21.03 | <=23  | Pass    |
|                                    | 3624.99         | Edge_1RB_Left   | 14.97                      | 13.38 | 17.26 | 20.30           | 18.71 | 22.59 | <=23  | Pass    |
|                                    |                 | Edge_1RB_Right  | 13.72                      | 14.22 | 16.99 | 19.05           | 19.55 | 22.32 | <=23  | Pass    |
|                                    |                 | Outer_Full      | 8.80                       | 9.22  | 12.03 | 14.13           | 14.55 | 17.36 | <=23  | Pass    |
|                                    |                 | Inner_Full      | 12.32                      | 12.42 | 15.38 | 17.65           | 17.75 | 20.71 | <=23  | Pass    |
|                                    |                 | Inner_1RB_Left  | 14.13                      | 13.10 | 16.66 | 19.46           | 18.43 | 21.99 | <=23  | Pass    |
|                                    |                 | Inner_1RB_Right | 13.87                      | 13.17 | 16.54 | 19.20           | 18.50 | 21.87 | <=23  | Pass    |
|                                    | 3684.99         | Edge_1RB_Left   | 14.76                      | 13.97 | 17.39 | 20.09           | 19.30 | 22.72 | <=23  | Pass    |
|                                    |                 | Edge_1RB_Right  | 14.79                      | 14.03 | 17.44 | 20.12           | 19.36 | 22.77 | <=23  | Pass    |

|                       |         |                     |       |       |       |       |       |       |      |      |
|-----------------------|---------|---------------------|-------|-------|-------|-------|-------|-------|------|------|
|                       |         | Outer_Fu<br>II      | 9.99  | 9.42  | 12.72 | 15.32 | 14.75 | 18.05 | <=23 | Pass |
|                       |         | Inner_Ful<br>I      | 12.82 | 11.99 | 15.44 | 18.15 | 17.32 | 20.77 | <=23 | Pass |
|                       |         | Inner_1R<br>B_Left  | 14.72 | 14.56 | 17.65 | 20.05 | 19.89 | 22.98 | <=23 | Pass |
|                       |         | Inner_1R<br>B_Right | 14.47 | 14.01 | 17.26 | 19.80 | 19.34 | 22.59 | <=23 | Pass |
| CP-<br>OFDM<br>16 QAM | 3565.02 | Edge_1R<br>B_Left   | 12.91 | 12.39 | 15.67 | 18.24 | 17.72 | 21.00 | <=23 | Pass |
|                       |         | Edge_1R<br>B_Right  | 12.48 | 12.82 | 15.66 | 17.81 | 18.15 | 20.99 | <=23 | Pass |
|                       |         | Outer_Fu<br>II      | 8.28  | 8.29  | 11.30 | 13.61 | 13.62 | 16.63 | <=23 | Pass |
|                       |         | Inner_Ful<br>I      | 11.24 | 11.31 | 14.29 | 16.57 | 16.64 | 19.62 | <=23 | Pass |
|                       |         | Inner_1R<br>B_Left  | 12.42 | 11.24 | 14.88 | 17.75 | 16.57 | 20.21 | <=23 | Pass |
|                       |         | Inner_1R<br>B_Right | 12.82 | 13.67 | 16.28 | 18.15 | 19.00 | 21.61 | <=23 | Pass |
|                       | 3624.99 | Edge_1R<br>B_Left   | 12.62 | 13.07 | 15.86 | 17.95 | 18.40 | 21.19 | <=23 | Pass |
|                       |         | Edge_1R<br>B_Right  | 13.45 | 12.63 | 16.07 | 18.78 | 17.96 | 21.40 | <=23 | Pass |
|                       |         | Outer_Fu<br>II      | 9.11  | 9.37  | 12.25 | 14.44 | 14.70 | 17.58 | <=23 | Pass |
|                       |         | Inner_Ful<br>I      | 12.29 | 12.39 | 15.35 | 17.62 | 17.72 | 20.68 | <=23 | Pass |
|                       |         | Inner_1R<br>B_Left  | 12.28 | 11.51 | 14.92 | 17.61 | 16.84 | 20.25 | <=23 | Pass |
|                       |         | Inner_1R<br>B_Right | 13.12 | 13.32 | 16.23 | 18.45 | 18.65 | 21.56 | <=23 | Pass |
|                       | 3684.99 | Edge_1R<br>B_Left   | 14.27 | 13.85 | 17.08 | 19.60 | 19.18 | 22.41 | <=23 | Pass |
|                       |         | Edge_1R<br>B_Right  | 14.11 | 14.57 | 17.36 | 19.44 | 19.90 | 22.69 | <=23 | Pass |
|                       |         | Outer_Fu<br>II      | 9.95  | 9.10  | 12.56 | 15.28 | 14.43 | 17.89 | <=23 | Pass |
|                       |         | Inner_Ful<br>I      | 13.21 | 12.28 | 15.78 | 18.54 | 17.61 | 21.11 | <=23 | Pass |
|                       |         | Inner_1R<br>B_Left  | 14.81 | 12.93 | 16.98 | 20.14 | 18.26 | 22.31 | <=23 | Pass |
|                       |         | Inner_1R<br>B_Right | 13.51 | 14.16 | 16.86 | 18.84 | 19.49 | 22.19 | <=23 | Pass |
| CP-<br>OFDM<br>64 QAM | 3565.02 | Edge_1R<br>B_Left   | 12.47 | 12.32 | 15.41 | 17.80 | 17.65 | 20.74 | <=23 | Pass |
|                       |         | Edge_1R<br>B_Right  | 12.25 | 13.11 | 15.71 | 17.58 | 18.44 | 21.04 | <=23 | Pass |
|                       |         | Outer_Fu<br>II      | 8.35  | 8.03  | 11.20 | 13.68 | 13.36 | 16.53 | <=23 | Pass |
|                       |         | Inner_Ful<br>I      | 11.16 | 11.25 | 14.22 | 16.49 | 16.58 | 19.55 | <=23 | Pass |
|                       |         | Inner_1R<br>B_Left  | 13.19 | 11.69 | 15.51 | 18.52 | 17.02 | 20.84 | <=23 | Pass |
|                       |         | Inner_1R<br>B_Right | 13.23 | 13.29 | 16.27 | 18.56 | 18.62 | 21.60 | <=23 | Pass |
|                       | 3624.99 | Edge_1R<br>B_Left   | 14.04 | 14.65 | 17.37 | 19.37 | 19.98 | 22.70 | <=23 | Pass |
|                       |         | Edge_1R<br>B_Right  | 14.46 | 13.00 | 16.80 | 19.79 | 18.33 | 22.13 | <=23 | Pass |
|                       |         | Outer_Fu            | 8.89  | 9.24  | 12.08 | 14.22 | 14.57 | 17.41 | <=23 | Pass |

|                                                                                                                                                                              |         |                  |                  |       |       |       |       |       |       |      |      |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|------------------|------------------|-------|-------|-------|-------|-------|-------|------|------|
|                                                                                                                                                                              |         | II               |                  |       |       |       |       |       |       |      |      |
|                                                                                                                                                                              |         | Inner_Ful I      | 11.93            | 11.64 | 14.80 | 17.26 | 16.97 | 20.13 | <=23  | Pass |      |
|                                                                                                                                                                              |         | Inner_1R B_Left  | 14.45            | 13.77 | 17.13 | 19.78 | 19.10 | 22.46 | <=23  | Pass |      |
|                                                                                                                                                                              |         |                  | Inner_1R B_Right | 13.07 | 13.68 | 16.40 | 18.40 | 19.01 | 21.73 | <=23 | Pass |
|                                                                                                                                                                              | 3684.99 | Edge_1R B_Left   | 15.30            | 13.69 | 17.58 | 20.63 | 19.02 | 22.91 | <=23  | Pass |      |
|                                                                                                                                                                              |         | Edge_1R B_Right  | 15.11            | 14.07 | 17.63 | 20.44 | 19.40 | 22.96 | <=23  | Pass |      |
|                                                                                                                                                                              |         | Outer_Fu II      | 9.62             | 9.42  | 12.53 | 14.95 | 14.75 | 17.86 | <=23  | Pass |      |
|                                                                                                                                                                              |         | Inner_Ful I      | 12.90            | 12.17 | 15.56 | 18.23 | 17.50 | 20.89 | <=23  | Pass |      |
|                                                                                                                                                                              |         | Inner_1R B_Left  | 15.04            | 13.89 | 17.51 | 20.37 | 19.22 | 22.84 | <=23  | Pass |      |
|                                                                                                                                                                              |         | Inner_1R B_Right | 14.53            | 14.18 | 17.37 | 19.86 | 19.51 | 22.70 | <=23  | Pass |      |
| CP-OFDM<br>256 QAM                                                                                                                                                           | 3565.02 | Edge_1R B_Left   | 12.10            | 11.92 | 15.02 | 17.43 | 17.25 | 20.35 | <=23  | Pass |      |
|                                                                                                                                                                              |         | Edge_1R B_Right  | 12.93            | 13.57 | 16.27 | 18.26 | 18.90 | 21.60 | <=23  | Pass |      |
|                                                                                                                                                                              |         | Outer_Fu II      | 8.41             | 8.58  | 11.51 | 13.74 | 13.91 | 16.84 | <=23  | Pass |      |
|                                                                                                                                                                              |         | Inner_Ful I      | 10.96            | 11.41 | 14.20 | 16.29 | 16.74 | 19.53 | <=23  | Pass |      |
|                                                                                                                                                                              |         | Inner_1R B_Left  | 11.76            | 11.75 | 14.77 | 17.09 | 17.08 | 20.10 | <=23  | Pass |      |
|                                                                                                                                                                              |         | Inner_1R B_Right | 12.60            | 12.87 | 15.75 | 17.93 | 18.20 | 21.08 | <=23  | Pass |      |
|                                                                                                                                                                              | 3624.99 | Edge_1R B_Left   | 13.88            | 14.04 | 16.97 | 19.21 | 19.37 | 22.30 | <=23  | Pass |      |
|                                                                                                                                                                              |         | Edge_1R B_Right  | 12.94            | 13.23 | 16.10 | 18.27 | 18.56 | 21.43 | <=23  | Pass |      |
|                                                                                                                                                                              |         | Outer_Fu II      | 9.46             | 9.25  | 12.37 | 14.79 | 14.58 | 17.70 | <=23  | Pass |      |
|                                                                                                                                                                              |         | Inner_Ful I      | 12.45            | 12.49 | 15.48 | 17.78 | 17.82 | 20.81 | <=23  | Pass |      |
|                                                                                                                                                                              |         | Inner_1R B_Left  | 13.52            | 13.58 | 16.56 | 18.85 | 18.91 | 21.89 | <=23  | Pass |      |
|                                                                                                                                                                              |         | Inner_1R B_Right | 13.94            | 13.30 | 16.64 | 19.27 | 18.63 | 21.97 | <=23  | Pass |      |
|                                                                                                                                                                              | 3684.99 | Edge_1R B_Left   | 14.69            | 14.11 | 17.42 | 20.02 | 19.44 | 22.75 | <=23  | Pass |      |
|                                                                                                                                                                              |         | Edge_1R B_Right  | 14.14            | 13.44 | 16.81 | 19.47 | 18.77 | 22.14 | <=23  | Pass |      |
|                                                                                                                                                                              |         | Outer_Fu II      | 9.82             | 8.97  | 12.43 | 15.15 | 14.30 | 17.76 | <=23  | Pass |      |
|                                                                                                                                                                              |         | Inner_Ful I      | 12.84            | 12.38 | 15.63 | 18.17 | 17.71 | 20.96 | <=23  | Pass |      |
|                                                                                                                                                                              |         | Inner_1R B_Left  | 15.09            | 13.62 | 17.43 | 20.42 | 18.95 | 22.76 | <=23  | Pass |      |
|                                                                                                                                                                              |         | Inner_1R B_Right | 14.53            | 14.03 | 17.30 | 19.86 | 19.36 | 22.63 | <=23  | Pass |      |
| Note1: Antenna Gain: Ant1: 5.33dBi; Ant2: 5.33dBi;<br>Note2: ERP Ant 1=Conducted Power 1+Ant Gain-2.15 / ERP Ant 2=Conducted Power 2+Ant Gain-2.15 / Sum=ERP Ant 1+ERP Ant 2 |         |                  |                  |       |       |       |       |       |       |      |      |

## 1.15 30k\_MIMO\_40MHz\_NTNV\_EIRP

### 1.15.1 Test Result

| 5G NR n48 SCS=30kHz MIMO 40MHz NTN |                 |                 |                      |       |       |           |       |       |       |         |
|------------------------------------|-----------------|-----------------|----------------------|-------|-------|-----------|-------|-------|-------|---------|
| Modulation                         | Frequency (MHz) | RB Allocation   | Conducted Power(dBm) |       |       | EIRP(dBm) |       |       |       | Verdict |
|                                    |                 |                 | Ant1                 | Ant2  | Sum   | Ant1      | Ant2  | Sum   | Limit |         |
| CP-OFDM QPSK                       | 3570            | Edge_1RB_Left   | 9.75                 | 10.63 | 13.22 | 15.08     | 15.96 | 18.55 | <=23  | Pass    |
|                                    |                 | Edge_1RB_Right  | 10.59                | 10.81 | 13.71 | 15.92     | 16.14 | 19.04 | <=23  | Pass    |
|                                    |                 | Outer_Full      | 10.37                | 10.37 | 13.38 | 15.70     | 15.70 | 18.71 | <=23  | Pass    |
|                                    |                 | Inner_Full      | 10.39                | 10.31 | 13.36 | 15.72     | 15.64 | 18.69 | <=23  | Pass    |
|                                    |                 | Inner_1RB_Left  | 9.78                 | 10.50 | 13.17 | 15.11     | 15.83 | 18.50 | <=23  | Pass    |
|                                    |                 | Inner_1RB_Right | 10.66                | 10.88 | 13.78 | 15.99     | 16.21 | 19.11 | <=23  | Pass    |
|                                    | 3624.99         | Edge_1RB_Left   | 11.25                | 10.87 | 14.08 | 16.58     | 16.20 | 19.40 | <=23  | Pass    |
|                                    |                 | Edge_1RB_Right  | 11.12                | 10.83 | 13.99 | 16.45     | 16.16 | 19.32 | <=23  | Pass    |
|                                    |                 | Outer_Full      | 11.19                | 10.65 | 13.94 | 16.52     | 15.98 | 19.27 | <=23  | Pass    |
|                                    |                 | Inner_Full      | 11.24                | 10.64 | 13.96 | 16.57     | 15.97 | 19.29 | <=23  | Pass    |
|                                    |                 | Inner_1RB_Left  | 11.27                | 10.87 | 14.09 | 16.60     | 16.20 | 19.41 | <=23  | Pass    |
|                                    |                 | Inner_1RB_Right | 11.26                | 10.79 | 14.04 | 16.59     | 16.12 | 19.37 | <=23  | Pass    |
|                                    | 3679.98         | Edge_1RB_Left   | 11.01                | 10.67 | 13.85 | 16.34     | 16.00 | 19.18 | <=23  | Pass    |
|                                    |                 | Edge_1RB_Right  | 11.70                | 10.77 | 14.27 | 17.03     | 16.10 | 19.60 | <=23  | Pass    |
|                                    |                 | Outer_Full      | 11.34                | 10.72 | 14.05 | 16.67     | 16.05 | 19.38 | <=23  | Pass    |
|                                    |                 | Inner_Full      | 11.53                | 10.61 | 14.10 | 16.86     | 15.94 | 19.43 | <=23  | Pass    |
|                                    |                 | Inner_1RB_Left  | 11.20                | 10.83 | 14.03 | 16.53     | 16.16 | 19.36 | <=23  | Pass    |
|                                    |                 | Inner_1RB_Right | 11.78                | 10.90 | 14.37 | 17.11     | 16.23 | 19.70 | <=23  | Pass    |
| CP-OFDM 16 QAM                     | 3570            | Edge_1RB_Left   | 9.63                 | 10.42 | 13.05 | 14.96     | 15.75 | 18.38 | <=23  | Pass    |
|                                    |                 | Edge_1RB_Right  | 10.50                | 10.68 | 13.60 | 15.83     | 16.01 | 18.93 | <=23  | Pass    |
|                                    |                 | Outer_Full      | 10.29                | 10.34 | 13.33 | 15.62     | 15.67 | 18.66 | <=23  | Pass    |
|                                    |                 | Inner_Full      | 10.49                | 10.30 | 13.41 | 15.82     | 15.63 | 18.74 | <=23  | Pass    |
|                                    |                 | Inner_1RB_Left  | 9.52                 | 10.36 | 12.97 | 14.85     | 15.69 | 18.30 | <=23  | Pass    |
|                                    |                 | Inner_1RB_Right | 10.49                | 10.63 | 13.57 | 15.82     | 15.96 | 18.90 | <=23  | Pass    |
|                                    | 3624.99         | Edge_1RB_Left   | 11.10                | 10.65 | 13.89 | 16.43     | 15.98 | 19.22 | <=23  | Pass    |
|                                    |                 | Edge_1RB_Right  | 10.79                | 10.64 | 13.72 | 16.12     | 15.97 | 19.06 | <=23  | Pass    |

|                        |         |                     |       |       |       |       |       |       |      |      |
|------------------------|---------|---------------------|-------|-------|-------|-------|-------|-------|------|------|
|                        |         | Outer_Fu<br>II      | 11.18 | 10.60 | 13.91 | 16.51 | 15.93 | 19.24 | <=23 | Pass |
|                        |         | Inner_Ful<br>I      | 11.16 | 10.68 | 13.94 | 16.49 | 16.01 | 19.27 | <=23 | Pass |
|                        |         | Inner_1R<br>B_Left  | 11.19 | 10.64 | 13.94 | 16.52 | 15.97 | 19.26 | <=23 | Pass |
|                        |         | Inner_1R<br>B_Right | 11.04 | 10.67 | 13.87 | 16.37 | 16.00 | 19.20 | <=23 | Pass |
|                        | 3679.98 | Edge_1R<br>B_Left   | 10.81 | 10.50 | 13.67 | 16.14 | 15.83 | 19.00 | <=23 | Pass |
|                        |         | Edge_1R<br>B_Right  | 11.52 | 10.63 | 14.11 | 16.85 | 15.96 | 19.44 | <=23 | Pass |
|                        |         | Outer_Fu<br>II      | 11.50 | 10.69 | 14.12 | 16.83 | 16.02 | 19.45 | <=23 | Pass |
|                        |         | Inner_Ful<br>I      | 11.50 | 10.74 | 14.14 | 16.83 | 16.07 | 19.48 | <=23 | Pass |
|                        |         | Inner_1R<br>B_Left  | 10.94 | 10.49 | 13.73 | 16.27 | 15.82 | 19.06 | <=23 | Pass |
|                        |         | Inner_1R<br>B_Right | 11.40 | 10.68 | 14.06 | 16.73 | 16.01 | 19.40 | <=23 | Pass |
| CP-<br>OFDM<br>64 QAM  | 3570    | Edge_1R<br>B_Left   | 9.84  | 10.47 | 13.18 | 15.17 | 15.80 | 18.51 | <=23 | Pass |
|                        |         | Edge_1R<br>B_Right  | 10.68 | 10.67 | 13.69 | 16.01 | 16.00 | 19.02 | <=23 | Pass |
|                        |         | Outer_Fu<br>II      | 10.28 | 10.31 | 13.31 | 15.61 | 15.64 | 18.64 | <=23 | Pass |
|                        |         | Inner_Ful<br>I      | 10.44 | 10.28 | 13.37 | 15.77 | 15.61 | 18.70 | <=23 | Pass |
|                        |         | Inner_1R<br>B_Left  | 9.82  | 10.44 | 13.15 | 15.15 | 15.77 | 18.48 | <=23 | Pass |
|                        |         | Inner_1R<br>B_Right | 10.78 | 10.74 | 13.77 | 16.11 | 16.07 | 19.10 | <=23 | Pass |
|                        | 3624.99 | Edge_1R<br>B_Left   | 11.38 | 10.65 | 14.04 | 16.71 | 15.98 | 19.37 | <=23 | Pass |
|                        |         | Edge_1R<br>B_Right  | 11.14 | 10.79 | 13.98 | 16.47 | 16.12 | 19.31 | <=23 | Pass |
|                        |         | Outer_Fu<br>II      | 11.15 | 10.59 | 13.89 | 16.48 | 15.92 | 19.22 | <=23 | Pass |
|                        |         | Inner_Ful<br>I      | 11.15 | 10.56 | 13.87 | 16.48 | 15.89 | 19.21 | <=23 | Pass |
|                        |         | Inner_1R<br>B_Left  | 11.40 | 10.71 | 14.08 | 16.73 | 16.04 | 19.41 | <=23 | Pass |
|                        |         | Inner_1R<br>B_Right | 11.36 | 10.79 | 14.09 | 16.69 | 16.12 | 19.42 | <=23 | Pass |
|                        | 3679.98 | Edge_1R<br>B_Left   | 11.14 | 10.41 | 13.80 | 16.47 | 15.74 | 19.13 | <=23 | Pass |
|                        |         | Edge_1R<br>B_Right  | 11.77 | 10.72 | 14.29 | 17.10 | 16.05 | 19.62 | <=23 | Pass |
|                        |         | Outer_Fu<br>II      | 11.35 | 10.54 | 13.97 | 16.68 | 15.87 | 19.30 | <=23 | Pass |
|                        |         | Inner_Ful<br>I      | 11.46 | 10.68 | 14.10 | 16.79 | 16.01 | 19.43 | <=23 | Pass |
|                        |         | Inner_1R<br>B_Left  | 11.14 | 10.44 | 13.81 | 16.47 | 15.77 | 19.14 | <=23 | Pass |
|                        |         | Inner_1R<br>B_Right | 11.80 | 10.77 | 14.33 | 17.13 | 16.10 | 19.66 | <=23 | Pass |
| CP-<br>OFDM<br>256 QAM | 3570    | Edge_1R<br>B_Left   | 9.60  | 10.63 | 13.16 | 14.93 | 15.96 | 18.49 | <=23 | Pass |
|                        |         | Edge_1R<br>B_Right  | 10.51 | 10.88 | 13.71 | 15.84 | 16.21 | 19.04 | <=23 | Pass |
|                        |         | Outer_Fu            | 10.26 | 10.36 | 13.32 | 15.59 | 15.69 | 18.65 | <=23 | Pass |

|                                                                                                                                                                              |         |                 |       |       |       |       |       |       |      |      |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-----------------|-------|-------|-------|-------|-------|-------|------|------|
|                                                                                                                                                                              |         | II              |       |       |       |       |       |       |      |      |
|                                                                                                                                                                              |         | Inner_Full      | 10.37 | 10.39 | 13.39 | 15.70 | 15.72 | 18.72 | <=23 | Pass |
|                                                                                                                                                                              |         | Inner_1RB_Left  | 9.55  | 10.52 | 13.07 | 14.88 | 15.85 | 18.40 | <=23 | Pass |
|                                                                                                                                                                              |         | Inner_1RB_Right | 10.54 | 10.69 | 13.63 | 15.87 | 16.02 | 18.96 | <=23 | Pass |
|                                                                                                                                                                              | 3624.99 | Edge_1RB_Left   | 11.00 | 10.91 | 13.97 | 16.33 | 16.24 | 19.30 | <=23 | Pass |
|                                                                                                                                                                              |         | Edge_1RB_Right  | 10.90 | 10.93 | 13.92 | 16.23 | 16.26 | 19.26 | <=23 | Pass |
|                                                                                                                                                                              |         | Outer_Full      | 11.13 | 10.59 | 13.88 | 16.46 | 15.92 | 19.21 | <=23 | Pass |
|                                                                                                                                                                              |         | Inner_Full      | 11.32 | 10.64 | 14.01 | 16.65 | 15.97 | 19.33 | <=23 | Pass |
|                                                                                                                                                                              |         | Inner_1RB_Left  | 11.20 | 10.79 | 14.01 | 16.53 | 16.12 | 19.34 | <=23 | Pass |
|                                                                                                                                                                              |         | Inner_1RB_Right | 10.96 | 10.86 | 13.92 | 16.29 | 16.19 | 19.25 | <=23 | Pass |
|                                                                                                                                                                              | 3679.98 | Edge_1RB_Left   | 10.93 | 10.32 | 13.64 | 16.26 | 15.65 | 18.98 | <=23 | Pass |
|                                                                                                                                                                              |         | Edge_1RB_Right  | 11.44 | 10.77 | 14.13 | 16.77 | 16.10 | 19.46 | <=23 | Pass |
|                                                                                                                                                                              |         | Outer_Full      | 11.40 | 10.58 | 14.02 | 16.73 | 15.91 | 19.35 | <=23 | Pass |
|                                                                                                                                                                              |         | Inner_Full      | 11.49 | 10.52 | 14.04 | 16.82 | 15.85 | 19.37 | <=23 | Pass |
| Inner_1RB_Left                                                                                                                                                               |         | 10.99           | 10.53 | 13.77 | 16.32 | 15.86 | 19.11 | <=23  | Pass |      |
| Inner_1RB_Right                                                                                                                                                              |         | 11.57           | 10.73 | 14.18 | 16.90 | 16.06 | 19.51 | <=23  | Pass |      |
| Note1: Antenna Gain: Ant1: 5.33dBi; Ant2: 5.33dBi;<br>Note2: ERP Ant 1=Conducted Power 1+Ant Gain-2.15 / ERP Ant 2=Conducted Power 2+Ant Gain-2.15 / Sum=ERP Ant 1+ERP Ant 2 |         |                 |       |       |       |       |       |       |      |      |

## 1.16 30k\_MIMO\_40MHz\_NTNV\_EIRP/10MHz

### 1.16.1 Test Result

| 5G NR n48 SCS=30kHz MIMO 40MHz NTNV |                 |                 |                            |       |       |                 |       |       |       |         |
|-------------------------------------|-----------------|-----------------|----------------------------|-------|-------|-----------------|-------|-------|-------|---------|
| Modulation                          | Frequency (MHz) | RB Allocation   | Conducted Power(dBm/10MHz) |       |       | EIRP(dBm/10MHz) |       |       |       | Verdict |
|                                     |                 |                 | Ant1                       | Ant2  | Sum   | Ant1            | Ant2  | Sum   | Limit |         |
| CP-OFDM QPSK                        | 3570            | Edge_1RB_Left   | 12.40                      | 12.39 | 15.41 | 17.73           | 17.72 | 20.74 | <=23  | Pass    |
|                                     |                 | Edge_1RB_Right  | 13.02                      | 13.44 | 16.25 | 18.35           | 18.77 | 21.58 | <=23  | Pass    |
|                                     |                 | Outer_Full      | 7.02                       | 7.35  | 10.20 | 12.35           | 12.68 | 15.53 | <=23  | Pass    |
|                                     |                 | Inner_Full      | 10.04                      | 9.97  | 13.02 | 15.37           | 15.30 | 18.35 | <=23  | Pass    |
|                                     |                 | Inner_1RB_Left  | 13.65                      | 13.50 | 16.59 | 18.98           | 18.83 | 21.92 | <=23  | Pass    |
|                                     |                 | Inner_1RB_Right | 13.48                      | 13.57 | 16.54 | 18.81           | 18.90 | 21.87 | <=23  | Pass    |
|                                     | 3624.99         | Edge_1RB_Left   | 13.49                      | 12.47 | 16.02 | 18.82           | 17.80 | 21.35 | <=23  | Pass    |
|                                     |                 | Edge_1RB_Right  | 13.76                      | 13.39 | 16.59 | 19.09           | 18.72 | 21.92 | <=23  | Pass    |

|                       |         |                     |       |       |       |       |       |       |      |      |
|-----------------------|---------|---------------------|-------|-------|-------|-------|-------|-------|------|------|
|                       | 3679.98 | B_Right             |       |       |       |       |       |       |      |      |
|                       |         | Outer_Fu<br>ll      | 7.58  | 7.75  | 10.68 | 12.91 | 13.08 | 16.01 | <=23 | Pass |
|                       |         | Inner_Ful<br>l      | 10.78 | 11.14 | 13.97 | 16.11 | 16.47 | 19.30 | <=23 | Pass |
|                       |         | Inner_1R<br>B_Left  | 14.12 | 14.15 | 17.15 | 19.45 | 19.48 | 22.48 | <=23 | Pass |
|                       |         | Inner_1R<br>B_Right | 14.22 | 13.77 | 17.01 | 19.55 | 19.10 | 22.34 | <=23 | Pass |
|                       |         | Edge_1R<br>B_Left   | 14.44 | 13.91 | 17.19 | 19.77 | 19.24 | 22.52 | <=23 | Pass |
|                       |         | Edge_1R<br>B_Right  | 15.24 | 13.68 | 17.54 | 20.57 | 19.01 | 22.87 | <=23 | Pass |
|                       | 3679.98 | Outer_Fu<br>ll      | 8.85  | 7.72  | 11.33 | 14.18 | 13.05 | 16.66 | <=23 | Pass |
|                       |         | Inner_Ful<br>l      | 11.27 | 10.10 | 13.73 | 16.60 | 15.43 | 19.06 | <=23 | Pass |
|                       |         | Inner_1R<br>B_Left  | 15.12 | 13.79 | 17.52 | 20.45 | 19.12 | 22.85 | <=23 | Pass |
|                       |         | Inner_1R<br>B_Right | 14.58 | 14.16 | 17.39 | 19.91 | 19.49 | 22.72 | <=23 | Pass |
|                       |         | Edge_1R<br>B_Left   | 12.20 | 13.03 | 15.65 | 17.53 | 18.36 | 20.98 | <=23 | Pass |
|                       |         | Edge_1R<br>B_Right  | 12.89 | 13.35 | 16.14 | 18.22 | 18.68 | 21.47 | <=23 | Pass |
| CP-<br>OFDM<br>16 QAM | 3570    | Outer_Fu<br>ll      | 7.01  | 7.44  | 10.24 | 12.34 | 12.77 | 15.57 | <=23 | Pass |
|                       |         | Inner_Ful<br>l      | 9.86  | 10.10 | 12.99 | 15.19 | 15.43 | 18.32 | <=23 | Pass |
|                       |         | Inner_1R<br>B_Left  | 12.32 | 12.49 | 15.42 | 17.65 | 17.82 | 20.75 | <=23 | Pass |
|                       |         | Inner_1R<br>B_Right | 13.49 | 13.29 | 16.40 | 18.82 | 18.62 | 21.73 | <=23 | Pass |
|                       | 3624.99 | Edge_1R<br>B_Left   | 13.39 | 13.04 | 16.23 | 18.72 | 18.37 | 21.56 | <=23 | Pass |
|                       |         | Edge_1R<br>B_Right  | 14.21 | 13.11 | 16.71 | 19.54 | 18.44 | 22.04 | <=23 | Pass |
|                       |         | Outer_Fu<br>ll      | 7.60  | 8.11  | 10.87 | 12.93 | 13.44 | 16.20 | <=23 | Pass |
|                       |         | Inner_Ful<br>l      | 10.94 | 10.71 | 13.84 | 16.27 | 16.04 | 19.17 | <=23 | Pass |
|                       |         | Inner_1R<br>B_Left  | 14.05 | 13.15 | 16.63 | 19.38 | 18.48 | 21.96 | <=23 | Pass |
|                       |         | Inner_1R<br>B_Right | 13.91 | 14.48 | 17.21 | 19.24 | 19.81 | 22.54 | <=23 | Pass |
|                       | 3679.98 | Edge_1R<br>B_Left   | 14.38 | 14.11 | 17.26 | 19.71 | 19.44 | 22.59 | <=23 | Pass |
|                       |         | Edge_1R<br>B_Right  | 14.52 | 13.46 | 17.03 | 19.85 | 18.79 | 22.36 | <=23 | Pass |
|                       |         | Outer_Fu<br>ll      | 8.98  | 7.61  | 11.36 | 14.31 | 12.94 | 16.69 | <=23 | Pass |
|                       |         | Inner_Ful<br>l      | 11.76 | 10.63 | 14.24 | 17.09 | 15.96 | 19.57 | <=23 | Pass |
|                       |         | Inner_1R<br>B_Left  | 14.72 | 13.38 | 17.11 | 20.05 | 18.71 | 22.44 | <=23 | Pass |
|                       |         | Inner_1R<br>B_Right | 14.80 | 14.02 | 17.44 | 20.13 | 19.35 | 22.77 | <=23 | Pass |
| CP-<br>OFDM<br>64 QAM | 3570    | Edge_1R<br>B_Left   | 13.47 | 12.64 | 16.09 | 18.80 | 17.97 | 21.42 | <=23 | Pass |
|                       |         | Edge_1R<br>B_Right  | 14.73 | 13.98 | 17.38 | 20.06 | 19.31 | 22.71 | <=23 | Pass |

|                    |         |                     |       |       |       |       |       |       |      |      |
|--------------------|---------|---------------------|-------|-------|-------|-------|-------|-------|------|------|
| CP-OFDM<br>256 QAM | 3624.99 | Outer_Fu<br>II      | 7.05  | 7.67  | 10.38 | 12.38 | 13.00 | 15.71 | <=23 | Pass |
|                    |         | Inner_Ful<br>I      | 9.67  | 10.67 | 13.21 | 15.00 | 16.00 | 18.54 | <=23 | Pass |
|                    |         | Inner_1R<br>B_Left  | 12.59 | 12.51 | 15.56 | 17.92 | 17.84 | 20.89 | <=23 | Pass |
|                    |         | Inner_1R<br>B_Right | 13.74 | 13.62 | 16.69 | 19.07 | 18.95 | 22.02 | <=23 | Pass |
|                    |         | Edge_1R<br>B_Left   | 13.35 | 13.11 | 16.24 | 18.68 | 18.44 | 21.57 | <=23 | Pass |
|                    |         | Edge_1R<br>B_Right  | 14.22 | 14.14 | 17.19 | 19.55 | 19.47 | 22.52 | <=23 | Pass |
|                    |         | Outer_Fu<br>II      | 7.67  | 7.94  | 10.82 | 13.00 | 13.27 | 16.15 | <=23 | Pass |
|                    |         | Inner_Ful<br>I      | 10.74 | 10.73 | 13.75 | 16.07 | 16.06 | 19.08 | <=23 | Pass |
|                    | 3679.98 | Inner_1R<br>B_Left  | 14.31 | 13.38 | 16.88 | 19.64 | 18.71 | 22.21 | <=23 | Pass |
|                    |         | Inner_1R<br>B_Right | 13.69 | 13.88 | 16.80 | 19.02 | 19.21 | 22.13 | <=23 | Pass |
|                    |         | Edge_1R<br>B_Left   | 15.12 | 13.71 | 17.48 | 20.45 | 19.04 | 22.81 | <=23 | Pass |
|                    |         | Edge_1R<br>B_Right  | 14.59 | 14.18 | 17.40 | 19.92 | 19.51 | 22.73 | <=23 | Pass |
|                    |         | Outer_Fu<br>II      | 8.10  | 7.37  | 10.76 | 13.43 | 12.70 | 16.09 | <=23 | Pass |
|                    |         | Inner_Ful<br>I      | 11.40 | 10.89 | 14.16 | 16.73 | 16.22 | 19.49 | <=23 | Pass |
|                    |         | Inner_1R<br>B_Left  | 14.53 | 13.54 | 17.07 | 19.86 | 18.87 | 22.40 | <=23 | Pass |
|                    |         | Inner_1R<br>B_Right | 14.89 | 13.62 | 17.31 | 20.22 | 18.95 | 22.64 | <=23 | Pass |
|                    | 3570    | Edge_1R<br>B_Left   | 13.08 | 12.95 | 16.03 | 18.41 | 18.28 | 21.36 | <=23 | Pass |
|                    |         | Edge_1R<br>B_Right  | 12.68 | 14.55 | 16.73 | 18.01 | 19.88 | 22.06 | <=23 | Pass |
|                    |         | Outer_Fu<br>II      | 6.85  | 7.24  | 10.06 | 12.18 | 12.57 | 15.39 | <=23 | Pass |
|                    |         | Inner_Ful<br>I      | 9.57  | 10.05 | 12.83 | 14.90 | 15.38 | 18.16 | <=23 | Pass |
|                    |         | Inner_1R<br>B_Left  | 12.43 | 12.97 | 15.72 | 17.76 | 18.30 | 21.05 | <=23 | Pass |
|                    |         | Inner_1R<br>B_Right | 13.42 | 13.91 | 16.68 | 18.75 | 19.24 | 22.01 | <=23 | Pass |
|                    | 3624.99 | Edge_1R<br>B_Left   | 13.79 | 13.53 | 16.67 | 19.12 | 18.86 | 22.00 | <=23 | Pass |
|                    |         | Edge_1R<br>B_Right  | 13.95 | 13.04 | 16.53 | 19.28 | 18.37 | 21.86 | <=23 | Pass |
|                    |         | Outer_Fu<br>II      | 7.72  | 7.69  | 10.72 | 13.05 | 13.02 | 16.05 | <=23 | Pass |
|                    |         | Inner_Ful<br>I      | 10.90 | 10.89 | 13.91 | 16.23 | 16.22 | 19.24 | <=23 | Pass |
|                    |         | Inner_1R<br>B_Left  | 12.67 | 13.54 | 16.14 | 18.00 | 18.87 | 21.47 | <=23 | Pass |
|                    |         | Inner_1R<br>B_Right | 13.35 | 13.22 | 16.30 | 18.68 | 18.55 | 21.63 | <=23 | Pass |
|                    | 3679.98 | Edge_1R<br>B_Left   | 14.89 | 14.28 | 17.61 | 20.22 | 19.61 | 22.94 | <=23 | Pass |
|                    |         | Edge_1R<br>B_Right  | 13.41 | 14.83 | 17.19 | 18.74 | 20.16 | 22.52 | <=23 | Pass |
|                    |         | Outer_Fu<br>II      | 8.40  | 7.60  | 11.03 | 13.73 | 12.93 | 16.36 | <=23 | Pass |

|                                                                                                                                                                                 |  |                     |       |       |       |       |       |       |      |      |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------|-------|-------|-------|-------|-------|-------|------|------|
|                                                                                                                                                                                 |  | II                  |       |       |       |       |       |       |      |      |
|                                                                                                                                                                                 |  | Inner_Ful<br>I      | 11.72 | 11.08 | 14.42 | 17.05 | 16.41 | 19.75 | <=23 | Pass |
|                                                                                                                                                                                 |  | Inner_1R<br>B_Left  | 15.19 | 13.78 | 17.55 | 20.52 | 19.11 | 22.88 | <=23 | Pass |
|                                                                                                                                                                                 |  | Inner_1R<br>B_Right | 14.31 | 13.83 | 17.09 | 19.64 | 19.16 | 22.42 | <=23 | Pass |
| Note1: Antenna Gain: Ant1: 5.33dBi; Ant2: 5.33dBi;<br>Note2: ERP Ant 1=Conducted Power 1+Ant Gain-2.15 / ERP Ant 2=Conducted Power 2+Ant Gain-2.15 /<br>Sum=ERP Ant 1+ERP Ant 2 |  |                     |       |       |       |       |       |       |      |      |