

1. Effective (Isotropic) Radiated Power Output Data

1.1 30k_SISO_20MHz_NTNV_EIRP

1.1.1 Test Result

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

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

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

1.2 30k_SISO_30MHz_NTNV_EIRP

1.2.1 Test Result

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

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

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

1.3 30k_SISO_40MHz_NTNV_EIRP

1.3.1 Test Result

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

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

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

1.4 30k_SISO_50MHz_NTNV_EIRP

1.4.1 Test Result

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

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

| | | | | | | | | | | |
|--|-----------------|-----------------|-------|---|-------|-------|---|------|------|------|
| CP-OFDM 256 QAM | 3725.01 | Edge_1RB_Right | 19.25 | / | / | 23.07 | / | / | <=30 | Pass |
| | | Outer_Full | 19.30 | / | / | 23.12 | / | / | <=30 | Pass |
| | | Inner_Full | 19.29 | / | / | 23.11 | / | / | <=30 | Pass |
| | | Inner_1RB_Left | 19.49 | / | / | 23.31 | / | / | <=30 | Pass |
| | | Inner_1RB_Right | 19.30 | / | / | 23.12 | / | / | <=30 | Pass |
| | 3750 | Edge_1RB_Left | 16.46 | / | / | 20.28 | / | / | <=30 | Pass |
| | | Edge_1RB_Right | 16.19 | / | / | 20.01 | / | / | <=30 | Pass |
| | | Outer_Full | 16.24 | / | / | 20.06 | / | / | <=30 | Pass |
| | | Inner_Full | 16.30 | / | / | 20.12 | / | / | <=30 | Pass |
| | | Inner_1RB_Left | 16.46 | / | / | 20.28 | / | / | <=30 | Pass |
| | 3774.99 | Inner_1RB_Right | 16.21 | / | / | 20.03 | / | / | <=30 | Pass |
| | | Edge_1RB_Left | 16.43 | / | / | 20.25 | / | / | <=30 | Pass |
| | | Edge_1RB_Right | 16.10 | / | / | 19.92 | / | / | <=30 | Pass |
| | | Outer_Full | 16.26 | / | / | 20.08 | / | / | <=30 | Pass |
| | | Inner_Full | 16.29 | / | / | 20.11 | / | / | <=30 | Pass |
| | 3774.99 | Inner_1RB_Left | 16.59 | / | / | 20.41 | / | / | <=30 | Pass |
| | | Inner_1RB_Right | 16.19 | / | / | 20.01 | / | / | <=30 | Pass |
| | | Edge_1RB_Left | 16.43 | / | / | 20.25 | / | / | <=30 | Pass |
| | | Edge_1RB_Right | 16.31 | / | / | 20.13 | / | / | <=30 | Pass |
| | | Outer_Full | 16.28 | / | / | 20.10 | / | / | <=30 | Pass |
| 3774.99 | Inner_Full | 16.26 | / | / | 20.08 | / | / | <=30 | Pass | |
| | Inner_1RB_Left | 16.37 | / | / | 20.19 | / | / | <=30 | Pass | |
| | Inner_1RB_Right | 16.24 | / | / | 20.06 | / | / | <=30 | Pass | |
| Note1: Antenna Gain: Ant1: 3.82dBi; | | | | | | | | | | |
| Note2: EIRP=Conducted Power+Antenna Gain | | | | | | | | | | |

1.5 30k_SISO_60MHz_NTNV_EIRP

1.5.1 Test Result

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

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

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

1.6 30k_SISO_70MHz_NTNV_EIRP

1.6.1 Test Result

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

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

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

1.7 30k_SISO_80MHz_NTNV_EIRP

1.7.1 Test Result

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

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

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

1.8 30k_SISO_90MHz_NTNV_EIRP

1.8.1 Test Result

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

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

| | | | | | | | | | | |
|--|--|-----------------|-------|---|---|-------|---|---|------|------|
| | | Inner_1RB_Left | 16.72 | / | / | 20.54 | / | / | <=30 | Pass |
| | | Inner_1RB_Right | 16.50 | / | / | 20.32 | / | / | <=30 | Pass |
| Note1: Antenna Gain: Ant1: 3.82dBi; | | | | | | | | | | |
| Note2: EIRP=Conducted Power+Antenna Gain | | | | | | | | | | |

1.9 30k_SISO_100MHz_NTNV_EIRP

1.9.1 Test Result

| 5G NR n78a SCS=30kHz SISO 100MHz NTN | | | | | | | | | | |
|--------------------------------------|-----------------|-----------------|----------------------|------|-------|-----------|------|------|-------|---------|
| Modulation | Frequency (MHz) | RB Allocation | Conducted Power(dBm) | | | EIRP(dBm) | | | | Verdict |
| | | | Ant1 | Ant2 | Sum | Ant1 | Ant2 | Sum | Limit | |
| DFT-s-OFDM QPSK | 3750 | Edge_1RB_Left | 22.28 | / | / | 26.10 | / | / | <=30 | Pass |
| | | Edge_1RB_Right | 22.03 | / | / | 25.85 | / | / | <=30 | Pass |
| | | Outer_Full | 22.01 | / | / | 25.83 | / | / | <=30 | Pass |
| | | Inner_Full | 22.97 | / | / | 26.79 | / | / | <=30 | Pass |
| | | Inner_1RB_Left | 23.27 | / | / | 27.09 | / | / | <=30 | Pass |
| | | Inner_1RB_Right | 22.98 | / | / | 26.80 | / | / | <=30 | Pass |
| | 3750 | Edge_1RB_Left | 22.28 | / | / | 26.10 | / | / | <=30 | Pass |
| | | Edge_1RB_Right | 21.87 | / | / | 25.69 | / | / | <=30 | Pass |
| | | Outer_Full | 22.00 | / | / | 25.82 | / | / | <=30 | Pass |
| | | Inner_Full | 22.89 | / | / | 26.71 | / | / | <=30 | Pass |
| | | Inner_1RB_Left | 23.26 | / | / | 27.08 | / | / | <=30 | Pass |
| | | Inner_1RB_Right | 22.90 | / | / | 26.72 | / | / | <=30 | Pass |
| | 3750 | Edge_1RB_Left | 22.26 | / | / | 26.08 | / | / | <=30 | Pass |
| | | Edge_1RB_Right | 21.99 | / | / | 25.81 | / | / | <=30 | Pass |
| | | Outer_Full | 22.03 | / | / | 25.85 | / | / | <=30 | Pass |
| Inner_Full | | 23.00 | / | / | 26.82 | / | / | <=30 | Pass | |
| Inner_1RB_Left | | 23.25 | / | / | 27.07 | / | / | <=30 | Pass | |
| Inner_1RB_Right | | 22.94 | / | / | 26.76 | / | / | <=30 | Pass | |
| DFT-s-OFDM 64 QAM | 3750 | Edge_1RB_Left | 20.69 | / | / | 24.51 | / | / | <=30 | Pass |
| | | Edge_1RB_Right | 20.57 | / | / | 24.39 | / | / | <=30 | Pass |
| | | Outer_Full | 20.54 | / | / | 24.36 | / | / | <=30 | Pass |
| | | Inner_Full | 20.49 | / | / | 24.31 | / | / | <=30 | Pass |
| | | Inner_1RB_Left | 20.86 | / | / | 24.68 | / | / | <=30 | Pass |
| | | Inner_1RB_Right | 20.54 | / | / | 24.36 | / | / | <=30 | Pass |
| | 3750 | Edge_1RB_Left | 20.83 | / | / | 24.65 | / | / | <=30 | Pass |
| | | Edge_1RB_Right | 20.57 | / | / | 24.39 | / | / | <=30 | Pass |
| | | Outer_Full | 20.57 | / | / | 24.39 | / | / | <=30 | Pass |
| | | Inner_Full | 20.49 | / | / | 24.31 | / | / | <=30 | Pass |
| | | Inner_1RB_Left | 20.79 | / | / | 24.61 | / | / | <=30 | Pass |
| | | Inner_1RB_Right | 20.58 | / | / | 24.40 | / | / | <=30 | Pass |
| | 3750 | Edge_1RB_Left | 20.86 | / | / | 24.68 | / | / | <=30 | Pass |
| | | Edge_1RB_Right | 20.52 | / | / | 24.34 | / | / | <=30 | Pass |
| | | Outer_Full | 20.57 | / | / | 24.39 | / | / | <=30 | Pass |
| Inner_Full | | 20.49 | / | / | 24.31 | / | / | <=30 | Pass | |
| Inner_1RB_Left | | 20.87 | / | / | 24.69 | / | / | <=30 | Pass | |
| Inner_1RB_Right | | 20.39 | / | / | 24.21 | / | / | <=30 | Pass | |
| DFT-s-OFDM 256 QAM | 3750 | Edge_1RB_Left | 18.79 | / | / | 22.61 | / | / | <=30 | Pass |
| | | Edge_1RB_Right | 18.47 | / | / | 22.29 | / | / | <=30 | Pass |
| | | Outer_Full | 18.51 | / | / | 22.33 | / | / | <=30 | Pass |
| | | Inner_Full | 18.50 | / | / | 22.32 | / | / | <=30 | Pass |
| | | Inner_1RB_Left | 18.75 | / | / | 22.57 | / | / | <=30 | Pass |
| | | Inner_1RB_Right | 18.50 | / | / | 22.32 | / | / | <=30 | Pass |
| | 3750 | Edge_1RB_Left | 18.84 | / | / | 22.66 | / | / | <=30 | Pass |

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

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

1.10 30k_MIMO_20MHz_NTNV_EIRP

1.10.1 Test Result

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

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

1.11 30k_MIMO_30MHz_NTNV_EIRP

1.11.1 Test Result

| 5G NR n78a SCS=30kHz MIMO 30MHz NTN | | | | | | | | | | | |
|-------------------------------------|-----------------|-----------------|----------------------|-------|-------|-----------|-------|-------|-------|---------|------|
| Modulation | Frequency (MHz) | RB Allocation | Conducted Power(dBm) | | | EIRP(dBm) | | | | Verdict | |
| | | | Ant5 | Ant2 | Sum | Ant5 | Ant2 | Sum | Limit | | |
| CP-OFDM QPSK | 3715.02 | Edge_1RB_Left | 17.13 | 16.98 | 20.06 | 20.95 | 19.97 | 23.50 | <=30 | Pass | |
| | | Edge_1RB_Right | 16.96 | 17.25 | 20.12 | 20.78 | 20.24 | 23.53 | <=30 | Pass | |
| | | Outer_Full | 17.14 | 17.20 | 20.18 | 20.96 | 20.19 | 23.60 | <=30 | Pass | |
| | | Inner_Full | 18.68 | 18.78 | 21.74 | 22.50 | 21.77 | 25.16 | <=30 | Pass | |
| | | Inner_1RB_Left | 18.65 | 18.65 | 21.66 | 22.47 | 21.64 | 25.09 | <=30 | Pass | |
| | | Inner_1RB_Right | 18.54 | 18.80 | 21.69 | 22.36 | 21.79 | 25.09 | <=30 | Pass | |
| | 3750 | Edge_1RB_Left | 16.92 | 17.32 | 20.13 | 20.74 | 20.31 | 23.54 | <=30 | Pass | |
| | | Edge_1RB_Right | 17.14 | 17.03 | 20.10 | 20.96 | 20.02 | 23.53 | <=30 | Pass | |
| | | Outer_Full | 16.95 | 17.09 | 20.03 | 20.77 | 20.08 | 23.45 | <=30 | Pass | |
| | | Inner_Full | 18.23 | 18.55 | 21.40 | 22.05 | 21.54 | 24.81 | <=30 | Pass | |
| | | Inner_1RB_Left | 18.41 | 18.69 | 21.56 | 22.23 | 21.68 | 24.97 | <=30 | Pass | |
| | 3784.98 | Inner_1RB_Right | 18.49 | 18.56 | 21.54 | 22.31 | 21.55 | 24.96 | <=30 | Pass | |
| | | Edge_1RB_Left | 17.19 | 16.85 | 20.03 | 21.01 | 19.84 | 23.47 | <=30 | Pass | |
| | | Edge_1RB_Right | 16.90 | 16.58 | 19.75 | 20.72 | 19.57 | 23.19 | <=30 | Pass | |
| | | Outer_Full | 16.87 | 16.54 | 19.72 | 20.69 | 19.53 | 23.16 | <=30 | Pass | |
| | | Inner_Full | 18.31 | 17.93 | 21.13 | 22.13 | 20.92 | 24.58 | <=30 | Pass | |
| | CP-OFDM 64 QAM | 3715.02 | Inner_1RB_Left | 18.68 | 18.45 | 21.58 | 22.50 | 21.44 | 25.01 | <=30 | Pass |
| | | | Inner_1RB_Right | 18.38 | 18.18 | 21.29 | 22.20 | 21.17 | 24.73 | <=30 | Pass |
| | | | Edge_1RB_Left | 16.62 | 16.64 | 19.64 | 20.44 | 19.63 | 23.06 | <=30 | Pass |
| Edge_1RB_Right | | | 16.53 | 16.72 | 19.64 | 20.35 | 19.71 | 23.05 | <=30 | Pass | |
| Outer_Full | | | 16.62 | 16.84 | 19.74 | 20.44 | 19.83 | 23.16 | <=30 | Pass | |
| Inner_Full | | | 16.66 | 16.67 | 19.67 | 20.48 | 19.66 | 23.10 | <=30 | Pass | |
| 3750 | | Inner_1RB_Left | 16.62 | 16.55 | 19.60 | 20.44 | 19.54 | 23.02 | <=30 | Pass | |
| | | Inner_1RB_Right | 16.63 | 16.97 | 19.81 | 20.45 | 19.96 | 23.22 | <=30 | Pass | |
| | | Edge_1RB_Left | 16.61 | 16.77 | 19.70 | 20.43 | 19.76 | 23.12 | <=30 | Pass | |
| | | Edge_1RB_Right | 16.44 | 16.67 | 19.57 | 20.26 | 19.66 | 22.98 | <=30 | Pass | |
| | | Outer_Full | 16.39 | 16.59 | 19.50 | 20.21 | 19.58 | 22.92 | <=30 | Pass | |
| | | Inner_Full | 16.29 | 16.56 | 19.44 | 20.11 | 19.55 | 22.85 | <=30 | Pass | |

| | | | | | | | | | | |
|--|-----------------|-----------------|-------|-------|-------|-------|-------|-------|------|------|
| CP-OFDM 256 QAM | 3784.98 | Inner_1RB_Left | 16.38 | 16.66 | 19.53 | 20.20 | 19.65 | 22.94 | <=30 | Pass |
| | | Inner_1RB_Right | 16.35 | 16.60 | 19.49 | 20.17 | 19.59 | 22.90 | <=30 | Pass |
| | | Edge_1RB_Left | 16.82 | 16.23 | 19.54 | 20.64 | 19.22 | 23.00 | <=30 | Pass |
| | | Edge_1RB_Right | 16.37 | 15.95 | 19.17 | 20.19 | 18.94 | 22.62 | <=30 | Pass |
| | | Outer_Full | 16.47 | 16.08 | 19.29 | 20.29 | 19.07 | 22.73 | <=30 | Pass |
| | | Inner_Full | 16.35 | 15.96 | 19.17 | 20.17 | 18.95 | 22.61 | <=30 | Pass |
| | | Inner_1RB_Left | 16.80 | 16.34 | 19.59 | 20.62 | 19.33 | 23.03 | <=30 | Pass |
| | Inner_1RB_Right | 16.15 | 16.12 | 19.15 | 19.97 | 19.11 | 22.57 | <=30 | Pass | |
| | 3715.02 | Edge_1RB_Left | 13.70 | 13.54 | 16.63 | 17.52 | 16.53 | 20.06 | <=30 | Pass |
| | | Edge_1RB_Right | 13.73 | 13.83 | 16.79 | 17.55 | 16.82 | 20.21 | <=30 | Pass |
| | | Outer_Full | 13.66 | 13.77 | 16.72 | 17.48 | 16.76 | 20.15 | <=30 | Pass |
| | | Inner_Full | 13.67 | 13.69 | 16.69 | 17.49 | 16.68 | 20.11 | <=30 | Pass |
| | | Inner_1RB_Left | 13.54 | 13.66 | 16.61 | 17.36 | 16.65 | 20.03 | <=30 | Pass |
| | 3750 | Inner_1RB_Right | 13.48 | 13.83 | 16.67 | 17.30 | 16.82 | 20.08 | <=30 | Pass |
| Edge_1RB_Left | | 13.27 | 13.71 | 16.51 | 17.09 | 16.70 | 19.91 | <=30 | Pass | |
| Edge_1RB_Right | | 13.53 | 13.52 | 16.53 | 17.35 | 16.51 | 19.96 | <=30 | Pass | |
| Outer_Full | | 13.47 | 13.44 | 16.47 | 17.29 | 16.43 | 19.89 | <=30 | Pass | |
| Inner_Full | | 13.39 | 13.55 | 16.48 | 17.21 | 16.54 | 19.90 | <=30 | Pass | |
| 3784.98 | Inner_1RB_Left | 13.59 | 13.78 | 16.70 | 17.41 | 16.77 | 20.11 | <=30 | Pass | |
| | Inner_1RB_Right | 13.67 | 13.77 | 16.73 | 17.49 | 16.76 | 20.15 | <=30 | Pass | |
| | Edge_1RB_Left | 13.70 | 13.30 | 16.51 | 17.52 | 16.29 | 19.96 | <=30 | Pass | |
| | Edge_1RB_Right | 13.46 | 13.31 | 16.39 | 17.28 | 16.30 | 19.83 | <=30 | Pass | |
| | Outer_Full | 13.45 | 13.05 | 16.27 | 17.27 | 16.04 | 19.71 | <=30 | Pass | |
| | Inner_Full | 13.40 | 12.91 | 16.18 | 17.22 | 15.90 | 19.62 | <=30 | Pass | |
| | | Inner_1RB_Left | 13.72 | 13.43 | 16.59 | 17.54 | 16.42 | 20.03 | <=30 | Pass |
| | | Inner_1RB_Right | 13.45 | 13.33 | 16.40 | 17.27 | 16.32 | 19.83 | <=30 | Pass |
| Note1: Antenna Gain: Ant5: 3.82dBi; Ant2: 2.99dBi; | | | | | | | | | | |
| Note2: EIRP=Conducted Power+Antenna Gain | | | | | | | | | | |

1.12 30k_MIMO_40MHz_NTNV_EIRP

1.12.1 Test Result

| 5G NR n78a SCS=30kHz MIMO 40MHz NTN | | | | | | | | | | | |
|-------------------------------------|-----------------|-----------------|----------------------|-------|-------|-----------|-------|-------|-------|---------|------|
| Modulation | Frequency (MHz) | RB Allocation | Conducted Power(dBm) | | | EIRP(dBm) | | | | Verdict | |
| | | | Ant5 | Ant2 | Sum | Ant5 | Ant2 | Sum | Limit | | |
| CP-OFDM QPSK | 3720 | Edge_1RB_Left | 17.20 | 17.08 | 20.15 | 21.02 | 20.07 | 23.58 | <=30 | Pass | |
| | | Edge_1RB_Right | 16.86 | 17.00 | 19.94 | 20.68 | 19.99 | 23.36 | <=30 | Pass | |
| | | Outer_Full | 17.17 | 17.45 | 20.33 | 20.99 | 20.44 | 23.73 | <=30 | Pass | |
| | | Inner_Full | 18.65 | 19.02 | 21.85 | 22.47 | 22.01 | 25.26 | <=30 | Pass | |
| | | Inner_1RB_Left | 18.76 | 18.74 | 21.76 | 22.58 | 21.73 | 25.19 | <=30 | Pass | |
| | | Inner_1RB_Right | 18.48 | 18.97 | 21.75 | 22.30 | 21.96 | 25.14 | <=30 | Pass | |
| | 3750 | Edge_1RB_Left | 17.10 | 17.40 | 20.26 | 20.92 | 20.39 | 23.67 | <=30 | Pass | |
| | | Edge_1RB_Right | 17.21 | 16.73 | 19.99 | 21.03 | 19.72 | 23.43 | <=30 | Pass | |
| | | Outer_Full | 16.95 | 17.07 | 20.02 | 20.77 | 20.06 | 23.44 | <=30 | Pass | |
| | | Inner_Full | 18.34 | 18.55 | 21.46 | 22.16 | 21.54 | 24.87 | <=30 | Pass | |
| | | Inner_1RB_Left | 18.54 | 18.72 | 21.64 | 22.36 | 21.71 | 25.06 | <=30 | Pass | |
| | | Inner_1RB_Right | 18.68 | 18.36 | 21.53 | 22.50 | 21.35 | 24.97 | <=30 | Pass | |
| | 3780 | Edge_1RB_Left | 17.19 | 17.07 | 20.14 | 21.01 | 20.06 | 23.57 | <=30 | Pass | |
| | | Edge_1RB_Right | 16.84 | 16.55 | 19.71 | 20.66 | 19.54 | 23.15 | <=30 | Pass | |
| | | Outer_Full | 16.99 | 16.58 | 19.80 | 20.81 | 19.57 | 23.24 | <=30 | Pass | |
| | | Inner_Full | 18.49 | 17.99 | 21.26 | 22.31 | 20.98 | 24.71 | <=30 | Pass | |
| | CP-OFDM 64 | 3720 | Inner_1RB_Left | 18.75 | 18.61 | 21.69 | 22.57 | 21.60 | 25.12 | <=30 | Pass |
| | | | Inner_1RB_Right | 18.37 | 18.12 | 21.26 | 22.19 | 21.11 | 24.69 | <=30 | Pass |
| | | Edge_1RB_Left | 16.78 | 16.80 | 19.80 | 20.60 | 19.79 | 23.22 | <=30 | Pass | |

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

1.13 30k_MIMO_50MHz_NTNV_EIRP

1.13.1 Test Result

| 5G NR n78a SCS=30kHz MIMO 50MHz NTN | | | | | | | | | | |
|-------------------------------------|-----------------|-----------------|----------------------|-------|-------|-----------|-------|-------|-------|---------|
| Modulation | Frequency (MHz) | RB Allocation | Conducted Power(dBm) | | | EIRP(dBm) | | | | Verdict |
| | | | Ant5 | Ant2 | Sum | Ant5 | Ant2 | Sum | Limit | |
| CP-OFDM QPSK | 3725.01 | Edge_1RB_Left | 16.95 | 16.67 | 19.82 | 20.77 | 19.66 | 23.26 | <=30 | Pass |
| | | Edge_1RB_Right | 16.57 | 16.68 | 19.64 | 20.39 | 19.67 | 23.06 | <=30 | Pass |
| | | Outer_Full | 16.90 | 16.83 | 19.88 | 20.72 | 19.82 | 23.30 | <=30 | Pass |
| | | Inner_Full | 18.24 | 18.39 | 21.33 | 22.06 | 21.38 | 24.74 | <=30 | Pass |
| | | Inner_1RB_Left | 18.49 | 18.36 | 21.44 | 22.31 | 21.35 | 24.87 | <=30 | Pass |
| | | Inner_1RB_Right | 18.15 | 18.20 | 21.19 | 21.97 | 21.19 | 24.61 | <=30 | Pass |
| | 3750 | Edge_1RB_Left | 16.73 | 17.42 | 20.10 | 20.55 | 20.41 | 23.49 | <=30 | Pass |
| | | Edge_1RB_Right | 16.68 | 15.41 | 19.10 | 20.50 | 18.40 | 22.59 | <=30 | Pass |
| | | Outer_Full | 16.58 | 16.80 | 19.70 | 20.40 | 19.79 | 23.12 | <=30 | Pass |
| | | Inner_Full | 18.04 | 18.39 | 21.23 | 21.86 | 21.38 | 24.64 | <=30 | Pass |
| | | Inner_1RB_Left | 18.27 | 18.93 | 21.63 | 22.09 | 21.92 | 25.02 | <=30 | Pass |
| | | Inner_1RB_Right | 18.22 | 17.11 | 20.71 | 22.04 | 20.10 | 24.19 | <=30 | Pass |
| | 3774.99 | Edge_1RB_Left | 16.70 | 17.07 | 19.90 | 20.52 | 20.06 | 23.31 | <=30 | Pass |
| | | Edge_1RB_Right | 16.40 | 14.84 | 18.70 | 20.22 | 17.83 | 22.20 | <=30 | Pass |
| | | Outer_Full | 16.78 | 16.41 | 19.61 | 20.60 | 19.40 | 23.05 | <=30 | Pass |
| Inner_Full | | 18.31 | 17.67 | 21.01 | 22.13 | 20.66 | 24.47 | <=30 | Pass | |
| Inner_1RB_Left | | 18.45 | 18.58 | 21.52 | 22.27 | 21.57 | 24.94 | <=30 | Pass | |
| Inner_1RB_Right | | 18.19 | 16.45 | 20.42 | 22.01 | 19.44 | 23.92 | <=30 | Pass | |
| CP-OFDM 64 QAM | 3725.01 | Edge_1RB_Left | 16.53 | 16.44 | 19.50 | 20.35 | 19.43 | 22.92 | <=30 | Pass |
| | | Edge_1RB_Right | 15.99 | 16.63 | 19.33 | 19.81 | 19.62 | 22.73 | <=30 | Pass |
| | | Outer_Full | 16.23 | 16.57 | 19.41 | 20.05 | 19.56 | 22.82 | <=30 | Pass |
| | | Inner_Full | 16.28 | 16.66 | 19.49 | 20.10 | 19.65 | 22.89 | <=30 | Pass |
| | | Inner_1RB_Left | 16.38 | 16.44 | 19.42 | 20.20 | 19.43 | 22.84 | <=30 | Pass |
| | | Inner_1RB_Right | 15.96 | 16.54 | 19.27 | 19.78 | 19.53 | 22.67 | <=30 | Pass |
| | 3750 | Edge_1RB_Left | 16.27 | 16.90 | 19.61 | 20.09 | 19.89 | 23.00 | <=30 | Pass |
| | | Edge_1RB_Right | 16.09 | 14.96 | 18.57 | 19.91 | 17.95 | 22.05 | <=30 | Pass |
| | | Outer_Full | 16.18 | 16.17 | 19.18 | 20.00 | 19.16 | 22.61 | <=30 | Pass |
| | | Inner_Full | 16.11 | 16.33 | 19.23 | 19.93 | 19.32 | 22.65 | <=30 | Pass |
| | | Inner_1RB_Left | 16.27 | 16.99 | 19.66 | 20.09 | 19.98 | 23.05 | <=30 | Pass |
| | | Inner_1RB_Right | 16.31 | 14.96 | 18.70 | 20.13 | 17.95 | 22.19 | <=30 | Pass |
| | 3774.99 | Edge_1RB_Left | 16.27 | 16.76 | 19.53 | 20.09 | 19.75 | 22.93 | <=30 | Pass |
| | | Edge_1RB_Right | 16.16 | 14.36 | 18.36 | 19.98 | 17.35 | 21.87 | <=30 | Pass |
| | | Outer_Full | 16.29 | 15.42 | 18.89 | 20.11 | 18.41 | 22.35 | <=30 | Pass |
| Inner_Full | | 16.40 | 15.29 | 18.89 | 20.22 | 18.28 | 22.37 | <=30 | Pass | |
| Inner_1RB_Left | | 16.27 | 16.70 | 19.50 | 20.09 | 19.69 | 22.90 | <=30 | Pass | |
| Inner_1RB_Right | | 16.10 | 14.52 | 18.39 | 19.92 | 17.51 | 21.89 | <=30 | Pass | |
| CP-OFDM 256 QAM | 3725.01 | Edge_1RB_Left | 13.25 | 13.02 | 16.15 | 17.07 | 16.01 | 19.58 | <=30 | Pass |
| | | Edge_1RB_Right | 12.86 | 13.34 | 16.11 | 16.68 | 16.33 | 19.52 | <=30 | Pass |
| | | Outer_Full | 13.19 | 13.60 | 16.41 | 17.01 | 16.59 | 19.82 | <=30 | Pass |
| | | Inner_Full | 13.20 | 13.68 | 16.45 | 17.02 | 16.67 | 19.86 | <=30 | Pass |
| | | Inner_1RB_Left | 13.23 | 13.21 | 16.23 | 17.05 | 16.20 | 19.66 | <=30 | Pass |
| | | Inner_1RB_Right | 13.10 | 13.48 | 16.30 | 16.92 | 16.47 | 19.71 | <=30 | Pass |
| | 3750 | Edge_1RB_Left | 13.12 | 13.88 | 16.53 | 16.94 | 16.87 | 19.92 | <=30 | Pass |
| | | Edge_1RB_Right | 13.23 | 12.04 | 15.68 | 17.05 | 15.03 | 19.17 | <=30 | Pass |
| | | Outer_Full | 13.10 | 13.26 | 16.19 | 16.92 | 16.25 | 19.61 | <=30 | Pass |
| | | Inner_Full | 13.08 | 13.43 | 16.27 | 16.90 | 16.42 | 19.68 | <=30 | Pass |
| | | Inner_1RB_Left | 13.36 | 13.88 | 16.64 | 17.18 | 16.87 | 20.04 | <=30 | Pass |
| | | Inner_1RB_Right | 13.28 | 12.03 | 15.71 | 17.10 | 15.02 | 19.19 | <=30 | Pass |
| | 3774.99 | Edge_1RB_Left | 13.30 | 13.55 | 16.44 | 17.12 | 16.54 | 19.85 | <=30 | Pass |

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

1.14 30k_MIMO_60MHz_NTNV_EIRP

1.14.1 Test Result

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

| | | | | | | | | | | |
|--|---------|-----------------|-------|-------|-------|-------|-------|-------|------|------|
| | | Inner_1RB_Left | 13.19 | 13.31 | 16.26 | 17.01 | 16.30 | 19.68 | <=30 | Pass |
| | | Inner_1RB_Right | 13.31 | 13.09 | 16.21 | 17.13 | 16.08 | 19.65 | <=30 | Pass |
| | 3750 | Edge_1RB_Left | 13.20 | 13.74 | 16.49 | 17.02 | 16.73 | 19.89 | <=30 | Pass |
| | | Edge_1RB_Right | 13.16 | 11.70 | 15.50 | 16.98 | 14.69 | 18.99 | <=30 | Pass |
| | | Outer_Full | 13.02 | 13.18 | 16.11 | 16.84 | 16.17 | 19.53 | <=30 | Pass |
| | | Inner_Full | 13.04 | 13.30 | 16.18 | 16.86 | 16.29 | 19.59 | <=30 | Pass |
| | | Inner_1RB_Left | 13.40 | 13.68 | 16.56 | 17.22 | 16.67 | 19.96 | <=30 | Pass |
| | | Inner_1RB_Right | 13.20 | 11.86 | 15.59 | 17.02 | 14.85 | 19.08 | <=30 | Pass |
| | 3769.98 | Edge_1RB_Left | 13.17 | 13.42 | 16.31 | 16.99 | 16.41 | 19.72 | <=30 | Pass |
| | | Edge_1RB_Right | 13.09 | 12.99 | 16.05 | 16.91 | 15.98 | 19.48 | <=30 | Pass |
| | | Outer_Full | 13.21 | 12.95 | 16.09 | 17.03 | 15.94 | 19.53 | <=30 | Pass |
| | | Inner_Full | 13.32 | 12.94 | 16.15 | 17.14 | 15.93 | 19.59 | <=30 | Pass |
| | | Inner_1RB_Left | 12.96 | 13.43 | 16.21 | 16.78 | 16.42 | 19.61 | <=30 | Pass |
| | | Inner_1RB_Right | 13.18 | 12.97 | 16.09 | 17.00 | 15.96 | 19.52 | <=30 | Pass |

Note1: Antenna Gain: Ant5: 3.82dBi; Ant2: 2.99dBi;

Note2: EIRP=Conducted Power+Antenna Gain

1.15 30k_MIMO_70MHz_NTNV_EIRP

1.15.1 Test Result

| 5G NR n78a SCS=30kHz MIMO 70MHz NTN | | | | | | | | | | |
|-------------------------------------|-----------------|-----------------|----------------------|-------|-------|-----------|-------|-------|-------|---------|
| Modulation | Frequency (MHz) | RB Allocation | Conducted Power(dBm) | | | EIRP(dBm) | | | | Verdict |
| | | | Ant5 | Ant2 | Sum | Ant5 | Ant2 | Sum | Limit | |
| CP-OFDM QPSK | 3735 | Edge_1RB_Left | 16.80 | 16.68 | 19.75 | 20.62 | 19.67 | 23.18 | <=30 | Pass |
| | | Edge_1RB_Right | 16.90 | 16.67 | 19.80 | 20.72 | 19.66 | 23.23 | <=30 | Pass |
| | | Outer_Full | 16.87 | 16.92 | 19.91 | 20.69 | 19.91 | 23.33 | <=30 | Pass |
| | | Inner_Full | 18.24 | 18.41 | 21.33 | 22.06 | 21.40 | 24.75 | <=30 | Pass |
| | | Inner_1RB_Left | 18.55 | 18.28 | 21.43 | 22.37 | 21.27 | 24.87 | <=30 | Pass |
| | | Inner_1RB_Right | 18.45 | 18.16 | 21.32 | 22.27 | 21.15 | 24.76 | <=30 | Pass |
| | 3750 | Edge_1RB_Left | 16.82 | 16.83 | 19.83 | 20.64 | 19.82 | 23.26 | <=30 | Pass |
| | | Edge_1RB_Right | 16.38 | 16.08 | 19.24 | 20.20 | 19.07 | 22.68 | <=30 | Pass |
| | | Outer_Full | 16.50 | 16.61 | 19.57 | 20.32 | 19.60 | 22.99 | <=30 | Pass |
| | | Inner_Full | 17.91 | 18.13 | 21.04 | 21.73 | 21.12 | 24.45 | <=30 | Pass |
| | | Inner_1RB_Left | 18.36 | 18.48 | 21.43 | 22.18 | 21.47 | 24.85 | <=30 | Pass |
| | | Inner_1RB_Right | 18.04 | 17.60 | 20.84 | 21.86 | 20.59 | 24.28 | <=30 | Pass |
| | 3765 | Edge_1RB_Left | 16.33 | 16.55 | 19.45 | 20.15 | 19.54 | 22.87 | <=30 | Pass |
| | | Edge_1RB_Right | 16.32 | 15.94 | 19.15 | 20.14 | 18.93 | 22.59 | <=30 | Pass |
| | | Outer_Full | 16.72 | 16.59 | 19.67 | 20.54 | 19.58 | 23.10 | <=30 | Pass |
| | | Inner_Full | 18.23 | 18.06 | 21.15 | 22.05 | 21.05 | 24.59 | <=30 | Pass |
| | | Inner_1RB_Left | 18.27 | 18.42 | 21.35 | 22.09 | 21.41 | 24.77 | <=30 | Pass |
| | | Inner_1RB_Right | 18.02 | 17.87 | 20.96 | 21.84 | 20.86 | 24.39 | <=30 | Pass |
| CP-OFDM 64 QAM | 3735 | Edge_1RB_Left | 16.37 | 16.22 | 19.31 | 20.19 | 19.21 | 22.74 | <=30 | Pass |
| | | Edge_1RB_Right | 16.32 | 16.09 | 19.21 | 20.14 | 19.08 | 22.65 | <=30 | Pass |
| | | Outer_Full | 16.22 | 16.53 | 19.39 | 20.04 | 19.52 | 22.80 | <=30 | Pass |
| | | Inner_Full | 16.13 | 16.36 | 19.25 | 19.95 | 19.35 | 22.67 | <=30 | Pass |
| | | Inner_1RB_Left | 16.26 | 16.23 | 19.26 | 20.08 | 19.22 | 22.68 | <=30 | Pass |
| | | Inner_1RB_Right | 16.41 | 16.13 | 19.29 | 20.23 | 19.12 | 22.72 | <=30 | Pass |
| | 3750 | Edge_1RB_Left | 16.29 | 16.35 | 19.33 | 20.11 | 19.34 | 22.75 | <=30 | Pass |
| | | Edge_1RB_Right | 15.75 | 15.68 | 18.73 | 19.57 | 18.67 | 22.15 | <=30 | Pass |
| | | Outer_Full | 16.02 | 15.93 | 18.99 | 19.84 | 18.92 | 22.41 | <=30 | Pass |
| | | Inner_Full | 15.94 | 16.19 | 19.08 | 19.76 | 19.18 | 22.49 | <=30 | Pass |
| | | Inner_1RB_Left | 16.46 | 16.50 | 19.49 | 20.28 | 19.49 | 22.91 | <=30 | Pass |
| | | Inner_1RB_Right | 15.92 | 15.56 | 18.75 | 19.74 | 18.55 | 22.20 | <=30 | Pass |
| | 3765 | Edge_1RB_Left | 16.34 | 16.34 | 19.35 | 20.16 | 19.33 | 22.78 | <=30 | Pass |

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

1.16 30k_MIMO_80MHz_NTNV_EIRP

1.16.1 Test Result

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

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

1.17 30k_MIMO_90MHz_NTNV_EIRP

1.17.1 Test Result

| 5G NR n78a SCS=30kHz MIMO 90MHz NTN | | | | | | | | | | |
|-------------------------------------|-----------------|-----------------|----------------------|-------|-------|-----------|-------|-------|-------|---------|
| Modulation | Frequency (MHz) | RB Allocation | Conducted Power(dBm) | | | EIRP(dBm) | | | | Verdict |
| | | | Ant5 | Ant2 | Sum | Ant5 | Ant2 | Sum | Limit | |
| CP-OFDM QPSK | 3745.02 | Edge_1RB_Left | 16.89 | 16.74 | 19.82 | 20.71 | 19.73 | 23.26 | <=30 | Pass |
| | | Edge_1RB_Right | 16.80 | 16.48 | 19.66 | 20.62 | 19.47 | 23.09 | <=30 | Pass |
| | | Outer_Full | 16.86 | 16.81 | 19.85 | 20.68 | 19.80 | 23.27 | <=30 | Pass |
| | | Inner_Full | 18.26 | 18.64 | 21.47 | 22.08 | 21.63 | 24.87 | <=30 | Pass |
| | | Inner_1RB_Left | 18.69 | 18.53 | 21.62 | 22.51 | 21.52 | 25.05 | <=30 | Pass |
| | | Inner_1RB_Right | 18.32 | 16.98 | 20.71 | 22.14 | 19.97 | 24.20 | <=30 | Pass |
| | 3750 | Edge_1RB_Left | 17.15 | 17.01 | 20.09 | 20.97 | 20.00 | 23.52 | <=30 | Pass |
| | | Edge_1RB_Right | 16.51 | 16.31 | 19.42 | 20.33 | 19.30 | 22.86 | <=30 | Pass |
| | | Outer_Full | 16.80 | 16.71 | 19.77 | 20.62 | 19.70 | 23.19 | <=30 | Pass |
| | | Inner_Full | 18.18 | 18.27 | 21.24 | 22.00 | 21.26 | 24.66 | <=30 | Pass |
| | | Inner_1RB_Left | 18.60 | 18.48 | 21.55 | 22.42 | 21.47 | 24.98 | <=30 | Pass |
| | | Inner_1RB_Right | 18.10 | 17.78 | 20.95 | 21.92 | 20.77 | 24.39 | <=30 | Pass |
| | 3754.98 | Edge_1RB_Left | 17.16 | 17.08 | 20.13 | 20.98 | 20.07 | 23.56 | <=30 | Pass |
| | | Edge_1RB_Right | 16.57 | 16.26 | 19.43 | 20.39 | 19.25 | 22.87 | <=30 | Pass |
| | | Outer_Full | 16.96 | 16.97 | 19.97 | 20.78 | 19.96 | 23.40 | <=30 | Pass |
| Inner_Full | | 18.44 | 18.56 | 21.51 | 22.26 | 21.55 | 24.93 | <=30 | Pass | |
| Inner_1RB_Left | | 18.83 | 18.74 | 21.80 | 22.65 | 21.73 | 25.22 | <=30 | Pass | |
| Inner_1RB_Right | | 18.30 | 18.02 | 21.17 | 22.12 | 21.01 | 24.61 | <=30 | Pass | |
| CP-OFDM 64 QAM | 3745.02 | Edge_1RB_Left | 16.62 | 16.76 | 19.70 | 20.44 | 19.75 | 23.12 | <=30 | Pass |
| | | Edge_1RB_Right | 16.23 | 15.98 | 19.12 | 20.05 | 18.97 | 22.55 | <=30 | Pass |
| | | Outer_Full | 16.25 | 16.40 | 19.34 | 20.07 | 19.39 | 22.75 | <=30 | Pass |
| | | Inner_Full | 16.24 | 16.51 | 19.39 | 20.06 | 19.50 | 22.80 | <=30 | Pass |
| | | Inner_1RB_Left | 16.70 | 16.59 | 19.66 | 20.52 | 19.58 | 23.09 | <=30 | Pass |
| | | Inner_1RB_Right | 16.42 | 15.93 | 19.19 | 20.24 | 18.92 | 22.64 | <=30 | Pass |
| | 3750 | Edge_1RB_Left | 16.61 | 16.57 | 19.60 | 20.43 | 19.56 | 23.03 | <=30 | Pass |
| | | Edge_1RB_Right | 16.21 | 15.75 | 19.00 | 20.03 | 18.74 | 22.44 | <=30 | Pass |
| | | Outer_Full | 16.33 | 16.29 | 19.32 | 20.15 | 19.28 | 22.75 | <=30 | Pass |
| | | Inner_Full | 16.21 | 16.30 | 19.26 | 20.03 | 19.29 | 22.69 | <=30 | Pass |
| | | Inner_1RB_Left | 16.55 | 16.79 | 19.68 | 20.37 | 19.78 | 23.10 | <=30 | Pass |
| | | Inner_1RB_Right | 16.14 | 15.90 | 19.03 | 19.96 | 18.89 | 22.47 | <=30 | Pass |
| | 3754.98 | Edge_1RB_Left | 16.98 | 16.88 | 19.94 | 20.80 | 19.87 | 23.37 | <=30 | Pass |
| | | Edge_1RB_Right | 16.14 | 15.16 | 18.69 | 19.96 | 18.15 | 22.16 | <=30 | Pass |
| | | Outer_Full | 16.45 | 16.32 | 19.40 | 20.27 | 19.31 | 22.83 | <=30 | Pass |
| Inner_Full | | 16.44 | 16.50 | 19.48 | 20.26 | 19.49 | 22.90 | <=30 | Pass | |
| Inner_1RB_Left | | 16.88 | 16.93 | 19.91 | 20.70 | 19.92 | 23.34 | <=30 | Pass | |
| Inner_1RB_Right | | 16.30 | 14.67 | 18.57 | 20.12 | 17.66 | 22.07 | <=30 | Pass | |
| CP-OFDM 256 QAM | 3745.02 | Edge_1RB_Left | 13.53 | 13.40 | 16.48 | 17.35 | 16.39 | 19.91 | <=30 | Pass |
| | | Edge_1RB_Right | 13.12 | 12.97 | 16.06 | 16.94 | 15.96 | 19.49 | <=30 | Pass |
| | | Outer_Full | 13.43 | 13.35 | 16.40 | 17.25 | 16.34 | 19.83 | <=30 | Pass |
| | | Inner_Full | 13.26 | 13.47 | 16.38 | 17.08 | 16.46 | 19.79 | <=30 | Pass |
| | | Inner_1RB_Left | 13.56 | 13.38 | 16.48 | 17.38 | 16.37 | 19.91 | <=30 | Pass |
| | | Inner_1RB_Right | 13.28 | 12.97 | 16.14 | 17.10 | 15.96 | 19.58 | <=30 | Pass |
| | 3750 | Edge_1RB_Left | 13.36 | 13.43 | 16.40 | 17.18 | 16.42 | 19.83 | <=30 | Pass |
| | | Edge_1RB_Right | 13.07 | 12.87 | 15.98 | 16.89 | 15.86 | 19.42 | <=30 | Pass |
| | | Outer_Full | 13.25 | 13.24 | 16.25 | 17.07 | 16.23 | 19.68 | <=30 | Pass |
| | | Inner_Full | 13.19 | 13.28 | 16.25 | 17.01 | 16.27 | 19.67 | <=30 | Pass |
| | | Inner_1RB_Left | 13.42 | 13.49 | 16.46 | 17.24 | 16.48 | 19.89 | <=30 | Pass |
| | | Inner_1RB_Right | 13.12 | 12.62 | 15.89 | 16.94 | 15.61 | 19.34 | <=30 | Pass |
| 3754.98 | Edge_1RB_Left | 13.49 | 13.94 | 16.73 | 17.31 | 16.93 | 20.13 | <=30 | Pass | |

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

1.18 30k_MIMO_100MHz_NTNV_EIRP

1.18.1 Test Result

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

| | | | | | | | | | | |
|--|------|-----------------|-------|-------|-------|-------|-------|-------|------|------|
| | | Inner_1RB_Left | 13.52 | 13.62 | 16.58 | 17.34 | 16.61 | 20.00 | <=30 | Pass |
| | | Inner_1RB_Right | 13.37 | 12.98 | 16.19 | 17.19 | 15.97 | 19.63 | <=30 | Pass |
| | 3750 | Edge_1RB_Left | 13.55 | 13.45 | 16.51 | 17.37 | 16.44 | 19.94 | <=30 | Pass |
| | | Edge_1RB_Right | 13.24 | 12.98 | 16.12 | 17.06 | 15.97 | 19.56 | <=30 | Pass |
| | | Outer_Full | 13.57 | 13.33 | 16.46 | 17.39 | 16.32 | 19.90 | <=30 | Pass |
| | | Inner_Full | 13.35 | 13.52 | 16.44 | 17.17 | 16.51 | 19.86 | <=30 | Pass |
| | | Inner_1RB_Left | 13.66 | 13.49 | 16.59 | 17.48 | 16.48 | 20.02 | <=30 | Pass |
| | 3750 | Inner_1RB_Right | 13.30 | 13.04 | 16.18 | 17.12 | 16.03 | 19.62 | <=30 | Pass |
| | | Edge_1RB_Left | 13.75 | 13.70 | 16.74 | 17.57 | 16.69 | 20.16 | <=30 | Pass |
| | | Edge_1RB_Right | 13.39 | 13.09 | 16.26 | 17.21 | 16.08 | 19.69 | <=30 | Pass |
| | | Outer_Full | 13.41 | 13.48 | 16.46 | 17.23 | 16.47 | 19.88 | <=30 | Pass |
| | | Inner_Full | 13.35 | 13.56 | 16.47 | 17.17 | 16.55 | 19.88 | <=30 | Pass |
| | | Inner_1RB_Left | 13.55 | 13.52 | 16.55 | 17.37 | 16.51 | 19.97 | <=30 | Pass |
| | | Inner_1RB_Right | 13.38 | 13.03 | 16.22 | 17.20 | 16.02 | 19.66 | <=30 | Pass |
| Note1: Antenna Gain: Ant5: 3.82dBi; Ant2: 2.99dBi; | | | | | | | | | | |
| Note2: EIRP=Conducted Power+Antenna Gain | | | | | | | | | | |