

Appendix C.8

NR Band n71



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1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 15k_SISO_5MHz_NTNV_ERP

| 5G NR n71 SCS=15kHz SISO 5MHz NTVN | | | | | | | | | | |
|------------------------------------|-----------------|-----------------|----------------------|------|-----|----------|------|-----|---------|---------|
| Modulation | Frequency (MHz) | RB Allocation | Conducted Power(dBm) | | | ERP(dBm) | | | | Verdict |
| | | | Ant1 | Ant2 | Sum | Ant1 | Ant2 | Sum | Limit | |
| DFT-s-OFDM PI/2 BPSK | 665.5 | Edge_1RB_Left | 23.59 | / | / | 27.84 | / | / | <=34.77 | Pass |
| | | Edge_1RB_Right | 23.37 | / | / | 27.62 | / | / | <=34.77 | Pass |
| | | Outer_Full | 23.46 | / | / | 27.71 | / | / | <=34.77 | Pass |
| | | Inner_Full | 23.48 | / | / | 27.73 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Left | 23.58 | / | / | 27.83 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Right | 23.36 | / | / | 27.61 | / | / | <=34.77 | Pass |
| | 680.5 | Edge_1RB_Left | 23.03 | / | / | 27.28 | / | / | <=34.77 | Pass |
| | | Edge_1RB_Right | 22.79 | / | / | 27.04 | / | / | <=34.77 | Pass |
| | | Outer_Full | 22.97 | / | / | 27.22 | / | / | <=34.77 | Pass |
| | | Inner_Full | 23.05 | / | / | 27.30 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Left | 23.08 | / | / | 27.33 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Right | 22.89 | / | / | 27.14 | / | / | <=34.77 | Pass |
| DFT-s-OFDM QPSK | 695.5 | Edge_1RB_Left | 23.27 | / | / | 27.52 | / | / | <=34.77 | Pass |
| | | Edge_1RB_Right | 23.15 | / | / | 27.40 | / | / | <=34.77 | Pass |
| | | Outer_Full | 23.26 | / | / | 27.51 | / | / | <=34.77 | Pass |
| | | Inner_Full | 23.32 | / | / | 27.57 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Left | 23.36 | / | / | 27.61 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Right | 23.18 | / | / | 27.43 | / | / | <=34.77 | Pass |
| | 680.5 | Edge_1RB_Left | 23.50 | / | / | 27.75 | / | / | <=34.77 | Pass |
| | | Edge_1RB_Right | 23.38 | / | / | 27.63 | / | / | <=34.77 | Pass |
| | | Outer_Full | 23.45 | / | / | 27.70 | / | / | <=34.77 | Pass |
| | | Inner_Full | 23.52 | / | / | 27.77 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Left | 23.54 | / | / | 27.79 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Right | 23.37 | / | / | 27.62 | / | / | <=34.77 | Pass |

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| | | | | | | | | | | |
|----------------------|-------|-----------------|-------|---|---|-------|---|---|---------|------|
| | 695.5 | Inner_1RB_Left | 23.15 | / | / | 27.40 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Right | 22.93 | / | / | 27.18 | / | / | <=34.77 | Pass |
| | | Edge_1RB_Left | 23.22 | / | / | 27.47 | / | / | <=34.77 | Pass |
| | | Edge_1RB_Right | 23.22 | / | / | 27.47 | / | / | <=34.77 | Pass |
| | | Outer_Full | 23.27 | / | / | 27.52 | / | / | <=34.77 | Pass |
| | | Inner_Full | 23.30 | / | / | 27.55 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Left | 23.37 | / | / | 27.62 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Right | 23.26 | / | / | 27.51 | / | / | <=34.77 | Pass |
| | | Edge_1RB_Left | 22.46 | / | / | 26.71 | / | / | <=34.77 | Pass |
| | | Edge_1RB_Right | 22.46 | / | / | 26.71 | / | / | <=34.77 | Pass |
| | | Outer_Full | 22.40 | / | / | 26.65 | / | / | <=34.77 | Pass |
| | | Inner_Full | 23.43 | / | / | 27.68 | / | / | <=34.77 | Pass |
| DFT-s-OFDM 16 QAM | 665.5 | Inner_1RB_Left | 23.47 | / | / | 27.72 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Right | 23.35 | / | / | 27.60 | / | / | <=34.77 | Pass |
| | | Edge_1RB_Left | 21.97 | / | / | 26.22 | / | / | <=34.77 | Pass |
| | | Edge_1RB_Right | 21.66 | / | / | 25.91 | / | / | <=34.77 | Pass |
| | | Outer_Full | 21.94 | / | / | 26.19 | / | / | <=34.77 | Pass |
| | | Inner_Full | 23.10 | / | / | 27.35 | / | / | <=34.77 | Pass |
| | 680.5 | Inner_1RB_Left | 22.83 | / | / | 27.08 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Right | 22.71 | / | / | 26.96 | / | / | <=34.77 | Pass |
| | | Edge_1RB_Left | 22.18 | / | / | 26.43 | / | / | <=34.77 | Pass |
| | | Edge_1RB_Right | 22.08 | / | / | 26.33 | / | / | <=34.77 | Pass |
| | | Outer_Full | 22.23 | / | / | 26.48 | / | / | <=34.77 | Pass |
| | | Inner_Full | 23.33 | / | / | 27.58 | / | / | <=34.77 | Pass |
| DFT-s-OFDM 64 QAM | 665.5 | Inner_1RB_Left | 23.30 | / | / | 27.55 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Right | 22.94 | / | / | 27.19 | / | / | <=34.77 | Pass |
| | | Edge_1RB_Left | 22.00 | / | / | 26.25 | / | / | <=34.77 | Pass |
| | | Edge_1RB_Right | 22.04 | / | / | 26.29 | / | / | <=34.77 | Pass |
| | | Outer_Full | 21.92 | / | / | 26.17 | / | / | <=34.77 | Pass |
| | | Inner_Full | 22.02 | / | / | 26.27 | / | / | <=34.77 | Pass |
| | 680.5 | Inner_1RB_Left | 21.76 | / | / | 26.01 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Right | 21.68 | / | / | 25.93 | / | / | <=34.77 | Pass |
| | | Edge_1RB_Left | 21.52 | / | / | 25.77 | / | / | <=34.77 | Pass |
| | | Edge_1RB_Right | 21.48 | / | / | 25.73 | / | / | <=34.77 | Pass |
| | | Outer_Full | 21.43 | / | / | 25.68 | / | / | <=34.77 | Pass |
| | | Inner_Full | 21.46 | / | / | 25.71 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Left | 21.48 | / | / | 25.73 | / | / | <=34.77 | Pass |



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| | | | | | | | | | | |
|--------------------|-------|-----------------|-------|---|---|-------|---|---|---------|------|
| | 695.5 | Inner_1RB_Right | 21.14 | / | / | 25.39 | / | / | <=34.77 | Pass |
| | | Edge_1RB_Left | 21.88 | / | / | 26.13 | / | / | <=34.77 | Pass |
| | | Edge_1RB_Right | 21.48 | / | / | 25.73 | / | / | <=34.77 | Pass |
| | | Outer_Full | 21.77 | / | / | 26.02 | / | / | <=34.77 | Pass |
| | | Inner_Full | 21.89 | / | / | 26.14 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Left | 21.80 | / | / | 26.05 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Right | 21.76 | / | / | 26.01 | / | / | <=34.77 | Pass |
| DFT-s-OFDM 256 QAM | 665.5 | Edge_1RB_Left | 19.98 | / | / | 24.23 | / | / | <=34.77 | Pass |
| | | Edge_1RB_Right | 19.85 | / | / | 24.10 | / | / | <=34.77 | Pass |
| | | Outer_Full | 17.97 | / | / | 22.22 | / | / | <=34.77 | Pass |
| | | Inner_Full | 20.00 | / | / | 24.25 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Left | 19.71 | / | / | 23.96 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Right | 19.95 | / | / | 24.20 | / | / | <=34.77 | Pass |
| | 680.5 | Edge_1RB_Left | 19.48 | / | / | 23.73 | / | / | <=34.77 | Pass |
| | | Edge_1RB_Right | 19.16 | / | / | 23.41 | / | / | <=34.77 | Pass |
| | | Outer_Full | 17.41 | / | / | 21.66 | / | / | <=34.77 | Pass |
| | | Inner_Full | 19.42 | / | / | 23.67 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Left | 19.43 | / | / | 23.68 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Right | 19.38 | / | / | 23.63 | / | / | <=34.77 | Pass |
| | 695.5 | Edge_1RB_Left | 20.07 | / | / | 24.32 | / | / | <=34.77 | Pass |
| | | Edge_1RB_Right | 19.86 | / | / | 24.11 | / | / | <=34.77 | Pass |
| | | Outer_Full | 17.79 | / | / | 22.04 | / | / | <=34.77 | Pass |
| | | Inner_Full | 19.71 | / | / | 23.96 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Left | 19.76 | / | / | 24.01 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Right | 19.54 | / | / | 23.79 | / | / | <=34.77 | Pass |
| CP-OFDM QPSK | 665.5 | Edge_1RB_Left | 21.61 | / | / | 25.86 | / | / | <=34.77 | Pass |
| | | Edge_1RB_Right | 21.41 | / | / | 25.66 | / | / | <=34.77 | Pass |
| | | Outer_Full | 21.46 | / | / | 25.71 | / | / | <=34.77 | Pass |
| | | Inner_Full | 22.92 | / | / | 27.17 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Left | 22.94 | / | / | 27.19 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Right | 22.74 | / | / | 26.99 | / | / | <=34.77 | Pass |
| | 680.5 | Edge_1RB_Left | 20.94 | / | / | 25.19 | / | / | <=34.77 | Pass |
| | | Edge_1RB_Right | 20.77 | / | / | 25.02 | / | / | <=34.77 | Pass |
| | | Outer_Full | 21.04 | / | / | 25.29 | / | / | <=34.77 | Pass |
| | | Inner_Full | 22.51 | / | / | 26.76 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Left | 22.34 | / | / | 26.59 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Right | 22.33 | / | / | 26.58 | / | / | <=34.77 | Pass |



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| | | | | | | | | | | |
|----------------|-------|-----------------|-------|---|---|-------|---|---|---------|------|
| | 695.5 | Edge_1RB_Left | 21.15 | / | / | 25.40 | / | / | <=34.77 | Pass |
| | | Edge_1RB_Right | 21.10 | / | / | 25.35 | / | / | <=34.77 | Pass |
| | | Outer_Full | 21.18 | / | / | 25.43 | / | / | <=34.77 | Pass |
| | | Inner_Full | 22.77 | / | / | 27.02 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Left | 22.76 | / | / | 27.01 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Right | 22.61 | / | / | 26.86 | / | / | <=34.77 | Pass |
| CP-OFDM 16 QAM | 665.5 | Edge_1RB_Left | 21.62 | / | / | 25.87 | / | / | <=34.77 | Pass |
| | | Edge_1RB_Right | 21.57 | / | / | 25.82 | / | / | <=34.77 | Pass |
| | | Outer_Full | 21.54 | / | / | 25.79 | / | / | <=34.77 | Pass |
| | | Inner_Full | 22.35 | / | / | 26.60 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Left | 22.64 | / | / | 26.89 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Right | 22.35 | / | / | 26.60 | / | / | <=34.77 | Pass |
| | 680.5 | Edge_1RB_Left | 21.16 | / | / | 25.41 | / | / | <=34.77 | Pass |
| | | Edge_1RB_Right | 20.66 | / | / | 24.91 | / | / | <=34.77 | Pass |
| | | Outer_Full | 20.89 | / | / | 25.14 | / | / | <=34.77 | Pass |
| | | Inner_Full | 21.93 | / | / | 26.18 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Left | 21.87 | / | / | 26.12 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Right | 21.76 | / | / | 26.01 | / | / | <=34.77 | Pass |
| CP-OFDM 64 QAM | 695.5 | Edge_1RB_Left | 21.32 | / | / | 25.57 | / | / | <=34.77 | Pass |
| | | Edge_1RB_Right | 21.04 | / | / | 25.29 | / | / | <=34.77 | Pass |
| | | Outer_Full | 21.24 | / | / | 25.49 | / | / | <=34.77 | Pass |
| | | Inner_Full | 22.34 | / | / | 26.59 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Left | 22.46 | / | / | 26.71 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Right | 22.04 | / | / | 26.29 | / | / | <=34.77 | Pass |
| | 665.5 | Edge_1RB_Left | 20.73 | / | / | 24.98 | / | / | <=34.77 | Pass |
| | | Edge_1RB_Right | 20.55 | / | / | 24.80 | / | / | <=34.77 | Pass |
| | | Outer_Full | 19.87 | / | / | 24.12 | / | / | <=34.77 | Pass |
| | | Inner_Full | 20.96 | / | / | 25.21 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Left | 21.17 | / | / | 25.42 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Right | 21.03 | / | / | 25.28 | / | / | <=34.77 | Pass |
| | 680.5 | Edge_1RB_Left | 20.46 | / | / | 24.71 | / | / | <=34.77 | Pass |
| | | Edge_1RB_Right | 20.52 | / | / | 24.77 | / | / | <=34.77 | Pass |
| | | Outer_Full | 19.52 | / | / | 23.77 | / | / | <=34.77 | Pass |
| | | Inner_Full | 20.53 | / | / | 24.78 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Left | 20.62 | / | / | 24.87 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Right | 20.17 | / | / | 24.42 | / | / | <=34.77 | Pass |
| | 695.5 | Edge_1RB_Left | 20.82 | / | / | 25.07 | / | / | <=34.77 | Pass |



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| | | | | | | | | | | |
|-----------------|-------|-----------------|-------|---|---|-------|---|---|---------|------|
| | | Edge_1RB_Right | 20.73 | / | / | 24.98 | / | / | <=34.77 | Pass |
| | | Outer_Full | 19.81 | / | / | 24.06 | / | / | <=34.77 | Pass |
| | | Inner_Full | 20.80 | / | / | 25.05 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Left | 20.65 | / | / | 24.90 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Right | 20.65 | / | / | 24.90 | / | / | <=34.77 | Pass |
| CP-OFDM 256 QAM | 665.5 | Edge_1RB_Left | 18.02 | / | / | 22.27 | / | / | <=34.77 | Pass |
| | | Edge_1RB_Right | 17.95 | / | / | 22.20 | / | / | <=34.77 | Pass |
| | | Outer_Full | 15.06 | / | / | 19.31 | / | / | <=34.77 | Pass |
| | | Inner_Full | 18.07 | / | / | 22.32 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Left | 18.11 | / | / | 22.36 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Right | 17.80 | / | / | 22.05 | / | / | <=34.77 | Pass |
| | 680.5 | Edge_1RB_Left | 17.58 | / | / | 21.83 | / | / | <=34.77 | Pass |
| | | Edge_1RB_Right | 17.35 | / | / | 21.60 | / | / | <=34.77 | Pass |
| | | Outer_Full | 14.58 | / | / | 18.83 | / | / | <=34.77 | Pass |
| | | Inner_Full | 17.49 | / | / | 21.74 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Left | 17.57 | / | / | 21.82 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Right | 17.45 | / | / | 21.70 | / | / | <=34.77 | Pass |
| | 695.5 | Edge_1RB_Left | 17.93 | / | / | 22.18 | / | / | <=34.77 | Pass |
| | | Edge_1RB_Right | 17.61 | / | / | 21.86 | / | / | <=34.77 | Pass |
| | | Outer_Full | 14.73 | / | / | 18.98 | / | / | <=34.77 | Pass |
| | | Inner_Full | 17.74 | / | / | 21.99 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Left | 17.88 | / | / | 22.13 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Right | 17.91 | / | / | 22.16 | / | / | <=34.77 | Pass |

Note1: Antenna Gain: Ant1: 4.25dB;

Note2: EIRP=Conducted Power+Antenna Gain

1.1.2 15k_SISO_10MHz_NTNV_ERP

| 5G NR n71 SCS=15kHz SISO 10MHz NTV | | | | | | | | | | |
|------------------------------------|-----------------|-----------------|----------------------|------|-----|----------|------|-----|---------|---------|
| Modulation | Frequency (MHz) | RB Allocation | Conducted Power(dBm) | | | ERP(dBm) | | | | Verdict |
| | | | Ant1 | Ant2 | Sum | Ant1 | Ant2 | Sum | Limit | |
| DFT-s-OFDM PI/2 BPSK | 668 | Edge_1RB_Left | 23.68 | / | / | 27.93 | / | / | <=34.77 | Pass |
| | | Edge_1RB_Right | 23.24 | / | / | 27.49 | / | / | <=34.77 | Pass |
| | | Outer_Full | 23.48 | / | / | 27.73 | / | / | <=34.77 | Pass |
| | | Inner_Full | 23.33 | / | / | 27.58 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Left | 23.57 | / | / | 27.82 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Right | 23.26 | / | / | 27.51 | / | / | <=34.77 | Pass |
| | 680.5 | Edge_1RB_Left | 23.23 | / | / | 27.48 | / | / | <=34.77 | Pass |



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| | | | | | | | | | | |
|-------------------|-------|-----------------|-------|---|---|-------|---|---|---------|------|
| | 693 | Edge_1RB_Right | 23.03 | / | / | 27.28 | / | / | <=34.77 | Pass |
| | | Outer_Full | 22.94 | / | / | 27.19 | / | / | <=34.77 | Pass |
| | | Inner_Full | 23.01 | / | / | 27.26 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Left | 23.15 | / | / | 27.40 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Right | 23.05 | / | / | 27.30 | / | / | <=34.77 | Pass |
| | | Edge_1RB_Left | 23.20 | / | / | 27.45 | / | / | <=34.77 | Pass |
| | | Edge_1RB_Right | 23.21 | / | / | 27.46 | / | / | <=34.77 | Pass |
| | | Outer_Full | 23.18 | / | / | 27.43 | / | / | <=34.77 | Pass |
| | | Inner_Full | 23.32 | / | / | 27.57 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Left | 23.13 | / | / | 27.38 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Right | 23.25 | / | / | 27.50 | / | / | <=34.77 | Pass |
| DFT-s-OFDM QPSK | 668 | Edge_1RB_Left | 23.49 | / | / | 27.74 | / | / | <=34.77 | Pass |
| | | Edge_1RB_Right | 23.28 | / | / | 27.53 | / | / | <=34.77 | Pass |
| | | Outer_Full | 23.36 | / | / | 27.61 | / | / | <=34.77 | Pass |
| | | Inner_Full | 23.33 | / | / | 27.58 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Left | 23.52 | / | / | 27.77 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Right | 23.22 | / | / | 27.47 | / | / | <=34.77 | Pass |
| | 680.5 | Edge_1RB_Left | 23.07 | / | / | 27.32 | / | / | <=34.77 | Pass |
| | | Edge_1RB_Right | 23.03 | / | / | 27.28 | / | / | <=34.77 | Pass |
| | | Outer_Full | 23.01 | / | / | 27.26 | / | / | <=34.77 | Pass |
| | | Inner_Full | 23.04 | / | / | 27.29 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Left | 23.27 | / | / | 27.52 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Right | 22.98 | / | / | 27.23 | / | / | <=34.77 | Pass |
| | 693 | Edge_1RB_Left | 23.02 | / | / | 27.27 | / | / | <=34.77 | Pass |
| | | Edge_1RB_Right | 23.15 | / | / | 27.40 | / | / | <=34.77 | Pass |
| | | Outer_Full | 23.26 | / | / | 27.51 | / | / | <=34.77 | Pass |
| | | Inner_Full | 23.26 | / | / | 27.51 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Left | 23.20 | / | / | 27.45 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Right | 23.14 | / | / | 27.39 | / | / | <=34.77 | Pass |
| DFT-s-OFDM 16 QAM | 668 | Edge_1RB_Left | 22.70 | / | / | 26.95 | / | / | <=34.77 | Pass |
| | | Edge_1RB_Right | 22.39 | / | / | 26.64 | / | / | <=34.77 | Pass |
| | | Outer_Full | 22.27 | / | / | 26.52 | / | / | <=34.77 | Pass |
| | | Inner_Full | 23.36 | / | / | 27.61 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Left | 23.61 | / | / | 27.86 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Right | 23.21 | / | / | 27.46 | / | / | <=34.77 | Pass |
| | 680.5 | Edge_1RB_Left | 22.22 | / | / | 26.47 | / | / | <=34.77 | Pass |
| | | Edge_1RB_Right | 21.76 | / | / | 26.01 | / | / | <=34.77 | Pass |



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| | | | | | | | | | | |
|--------------------|-------|-----------------|-------|---|---|-------|---|---|---------|------|
| | 693 | Outer_Full | 21.96 | / | / | 26.21 | / | / | <=34.77 | Pass |
| | | Inner_Full | 23.05 | / | / | 27.30 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Left | 23.22 | / | / | 27.47 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Right | 22.87 | / | / | 27.12 | / | / | <=34.77 | Pass |
| | 668 | Edge_1RB_Left | 22.11 | / | / | 26.36 | / | / | <=34.77 | Pass |
| | | Edge_1RB_Right | 22.01 | / | / | 26.26 | / | / | <=34.77 | Pass |
| | | Outer_Full | 22.20 | / | / | 26.45 | / | / | <=34.77 | Pass |
| | | Inner_Full | 23.24 | / | / | 27.49 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Left | 23.29 | / | / | 27.54 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Right | 23.18 | / | / | 27.43 | / | / | <=34.77 | Pass |
| DFT-s-OFDM 64 QAM | 680.5 | Edge_1RB_Left | 22.27 | / | / | 26.52 | / | / | <=34.77 | Pass |
| | | Edge_1RB_Right | 21.64 | / | / | 25.89 | / | / | <=34.77 | Pass |
| | | Outer_Full | 21.81 | / | / | 26.06 | / | / | <=34.77 | Pass |
| | | Inner_Full | 21.85 | / | / | 26.10 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Left | 22.07 | / | / | 26.32 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Right | 21.82 | / | / | 26.07 | / | / | <=34.77 | Pass |
| | 693 | Edge_1RB_Left | 21.51 | / | / | 25.76 | / | / | <=34.77 | Pass |
| | | Edge_1RB_Right | 21.53 | / | / | 25.78 | / | / | <=34.77 | Pass |
| | | Outer_Full | 21.48 | / | / | 25.73 | / | / | <=34.77 | Pass |
| | | Inner_Full | 21.50 | / | / | 25.75 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Left | 21.73 | / | / | 25.98 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Right | 21.46 | / | / | 25.71 | / | / | <=34.77 | Pass |
| DFT-s-OFDM 256 QAM | 668 | Edge_1RB_Left | 21.80 | / | / | 26.05 | / | / | <=34.77 | Pass |
| | | Edge_1RB_Right | 21.71 | / | / | 25.96 | / | / | <=34.77 | Pass |
| | | Outer_Full | 21.69 | / | / | 25.94 | / | / | <=34.77 | Pass |
| | | Inner_Full | 21.71 | / | / | 25.96 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Left | 21.76 | / | / | 26.01 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Right | 21.89 | / | / | 26.14 | / | / | <=34.77 | Pass |
| | 680.5 | Edge_1RB_Left | 20.11 | / | / | 24.36 | / | / | <=34.77 | Pass |
| | | Edge_1RB_Right | 19.70 | / | / | 23.95 | / | / | <=34.77 | Pass |
| | | Outer_Full | 17.90 | / | / | 22.15 | / | / | <=34.77 | Pass |
| | | Inner_Full | 19.90 | / | / | 24.15 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Left | 19.83 | / | / | 24.08 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Right | 19.88 | / | / | 24.13 | / | / | <=34.77 | Pass |



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| | | | | | | | | | | |
|----------------|-------|-----------------|-------|---|---|-------|---|---|---------|------|
| | 693 | Inner_Full | 19.49 | / | / | 23.74 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Left | 19.72 | / | / | 23.97 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Right | 19.58 | / | / | 23.83 | / | / | <=34.77 | Pass |
| | | Edge_1RB_Left | 19.53 | / | / | 23.78 | / | / | <=34.77 | Pass |
| | | Edge_1RB_Right | 19.75 | / | / | 24.00 | / | / | <=34.77 | Pass |
| | | Outer_Full | 17.76 | / | / | 22.01 | / | / | <=34.77 | Pass |
| | | Inner_Full | 19.83 | / | / | 24.08 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Left | 19.79 | / | / | 24.04 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Right | 19.65 | / | / | 23.90 | / | / | <=34.77 | Pass |
| | | Edge_1RB_Left | 21.50 | / | / | 25.75 | / | / | <=34.77 | Pass |
| CP-OFDM QPSK | 668 | Edge_1RB_Right | 21.27 | / | / | 25.52 | / | / | <=34.77 | Pass |
| | | Outer_Full | 21.42 | / | / | 25.67 | / | / | <=34.77 | Pass |
| | | Inner_Full | 22.81 | / | / | 27.06 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Left | 23.01 | / | / | 27.26 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Right | 22.63 | / | / | 26.88 | / | / | <=34.77 | Pass |
| | | Edge_1RB_Left | 21.22 | / | / | 25.47 | / | / | <=34.77 | Pass |
| | 680.5 | Edge_1RB_Right | 20.88 | / | / | 25.13 | / | / | <=34.77 | Pass |
| | | Outer_Full | 20.92 | / | / | 25.17 | / | / | <=34.77 | Pass |
| | | Inner_Full | 22.47 | / | / | 26.72 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Left | 22.64 | / | / | 26.89 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Right | 22.31 | / | / | 26.56 | / | / | <=34.77 | Pass |
| | | Edge_1RB_Left | 21.21 | / | / | 25.46 | / | / | <=34.77 | Pass |
| CP-OFDM 16 QAM | 693 | Edge_1RB_Right | 21.15 | / | / | 25.40 | / | / | <=34.77 | Pass |
| | | Outer_Full | 21.12 | / | / | 25.37 | / | / | <=34.77 | Pass |
| | | Inner_Full | 22.69 | / | / | 26.94 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Left | 22.54 | / | / | 26.79 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Right | 22.65 | / | / | 26.90 | / | / | <=34.77 | Pass |
| | | Edge_1RB_Left | 21.74 | / | / | 25.99 | / | / | <=34.77 | Pass |
| | 680.5 | Edge_1RB_Right | 21.23 | / | / | 25.48 | / | / | <=34.77 | Pass |
| | | Outer_Full | 21.36 | / | / | 25.61 | / | / | <=34.77 | Pass |
| | | Inner_Full | 22.35 | / | / | 26.60 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Left | 22.48 | / | / | 26.73 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Right | 22.17 | / | / | 26.42 | / | / | <=34.77 | Pass |
| | | Edge_1RB_Left | 21.07 | / | / | 25.32 | / | / | <=34.77 | Pass |

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| | | | | | | | | | | |
|-----------------|-------|-----------------|-------|---|---|-------|---|---|---------|------|
| | 693 | Inner_1RB_Left | 22.07 | / | / | 26.32 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Right | 21.88 | / | / | 26.13 | / | / | <=34.77 | Pass |
| | | Edge_1RB_Left | 20.94 | / | / | 25.19 | / | / | <=34.77 | Pass |
| | | Edge_1RB_Right | 21.17 | / | / | 25.42 | / | / | <=34.77 | Pass |
| | | Outer_Full | 21.15 | / | / | 25.40 | / | / | <=34.77 | Pass |
| | | Inner_Full | 22.22 | / | / | 26.47 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Left | 21.90 | / | / | 26.15 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Right | 22.21 | / | / | 26.46 | / | / | <=34.77 | Pass |
| | | Edge_1RB_Left | 20.76 | / | / | 25.01 | / | / | <=34.77 | Pass |
| | | Edge_1RB_Right | 20.88 | / | / | 25.13 | / | / | <=34.77 | Pass |
| CP-OFDM 64 QAM | 668 | Outer_Full | 19.89 | / | / | 24.14 | / | / | <=34.77 | Pass |
| | | Inner_Full | 20.95 | / | / | 25.20 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Left | 20.92 | / | / | 25.17 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Right | 20.36 | / | / | 24.61 | / | / | <=34.77 | Pass |
| | | Edge_1RB_Left | 20.82 | / | / | 25.07 | / | / | <=34.77 | Pass |
| | | Edge_1RB_Right | 20.33 | / | / | 24.58 | / | / | <=34.77 | Pass |
| | 680.5 | Outer_Full | 19.42 | / | / | 23.67 | / | / | <=34.77 | Pass |
| | | Inner_Full | 20.45 | / | / | 24.70 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Left | 20.65 | / | / | 24.90 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Right | 20.52 | / | / | 24.77 | / | / | <=34.77 | Pass |
| | | Edge_1RB_Left | 20.51 | / | / | 24.76 | / | / | <=34.77 | Pass |
| | | Edge_1RB_Right | 20.65 | / | / | 24.90 | / | / | <=34.77 | Pass |
| CP-OFDM 256 QAM | 693 | Outer_Full | 19.59 | / | / | 23.84 | / | / | <=34.77 | Pass |
| | | Inner_Full | 20.70 | / | / | 24.95 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Left | 20.56 | / | / | 24.81 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Right | 20.65 | / | / | 24.90 | / | / | <=34.77 | Pass |
| | | Edge_1RB_Left | 17.88 | / | / | 22.13 | / | / | <=34.77 | Pass |
| | | Edge_1RB_Right | 17.87 | / | / | 22.12 | / | / | <=34.77 | Pass |
| | 680.5 | Outer_Full | 15.02 | / | / | 19.27 | / | / | <=34.77 | Pass |
| | | Inner_Full | 17.91 | / | / | 22.16 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Left | 17.98 | / | / | 22.23 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Right | 17.44 | / | / | 21.69 | / | / | <=34.77 | Pass |
| | | Edge_1RB_Left | 17.58 | / | / | 21.83 | / | / | <=34.77 | Pass |
| | | Edge_1RB_Right | 17.47 | / | / | 21.72 | / | / | <=34.77 | Pass |

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| | | | | | | | | | |
|-----|-----------------|-------|---|---|-------|---|---|---------|------|
| 693 | Inner_1RB_Right | 17.47 | / | / | 21.72 | / | / | <=34.77 | Pass |
| | Edge_1RB_Left | 17.48 | / | / | 21.73 | / | / | <=34.77 | Pass |
| | Edge_1RB_Right | 17.62 | / | / | 21.87 | / | / | <=34.77 | Pass |
| | Outer_Full | 14.75 | / | / | 19.00 | / | / | <=34.77 | Pass |
| | Inner_Full | 17.72 | / | / | 21.97 | / | / | <=34.77 | Pass |
| | Inner_1RB_Left | 17.70 | / | / | 21.95 | / | / | <=34.77 | Pass |
| | Inner_1RB_Right | 17.82 | / | / | 22.07 | / | / | <=34.77 | Pass |

Note1: Antenna Gain: Ant1: 4.25dB;

Note2: EIRP=Conducted Power+Antenna Gain

1.1.3 15k_SISO_15MHz_NTNV_ERP

| 5G NR n71 SCS=15kHz SISO 15MHz Ntnv | | | | | | | | | | |
|-------------------------------------|--------------------|------------------|----------------------|------|-----|----------|------|-----|---------|------|
| Modulation | Frequency (MHz) | RB Allocation | Conducted Power(dBm) | | | ERP(dBm) | | | Verdict | |
| | | | Ant1 | Ant2 | Sum | Ant1 | Ant2 | Sum | | |
| DFT-s-OFDM PI/2 BPSK | 670.5 | Edge_1RB_Left | 23.62 | / | / | 27.87 | / | / | <=34.77 | Pass |
| | | Edge_1RB_Right | 23.23 | / | / | 27.48 | / | / | <=34.77 | Pass |
| | | Outer_Full | 23.34 | / | / | 27.59 | / | / | <=34.77 | Pass |
| | | Inner_Full | 23.40 | / | / | 27.65 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Left | 23.57 | / | / | 27.82 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Right | 23.30 | / | / | 27.55 | / | / | <=34.77 | Pass |
| | 680.5 | Edge_1RB_Left | 23.42 | / | / | 27.67 | / | / | <=34.77 | Pass |
| | | Edge_1RB_Right | 23.07 | / | / | 27.32 | / | / | <=34.77 | Pass |
| | | Outer_Full | 23.20 | / | / | 27.45 | / | / | <=34.77 | Pass |
| | | Inner_Full | 23.19 | / | / | 27.44 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Left | 23.31 | / | / | 27.56 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Right | 23.13 | / | / | 27.38 | / | / | <=34.77 | Pass |
| | 690.5 | Edge_1RB_Left | 22.89 | / | / | 27.14 | / | / | <=34.77 | Pass |
| | | Edge_1RB_Right | 23.23 | / | / | 27.48 | / | / | <=34.77 | Pass |
| | | Outer_Full | 23.15 | / | / | 27.40 | / | / | <=34.77 | Pass |
| | | Inner_Full | 23.24 | / | / | 27.49 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Left | 22.94 | / | / | 27.19 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Right | 23.18 | / | / | 27.43 | / | / | <=34.77 | Pass |
| DFT-s-OFDM QPSK | 670.5 | Edge_1RB_Left | 23.47 | / | / | 27.72 | / | / | <=34.77 | Pass |
| | | Edge_1RB_Right | 23.15 | / | / | 27.40 | / | / | <=34.77 | Pass |
| | | Outer_Full | 23.32 | / | / | 27.57 | / | / | <=34.77 | Pass |
| | | Inner_Full | 23.38 | / | / | 27.63 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Left | 23.50 | / | / | 27.75 | / | / | <=34.77 | Pass |



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| | | | | | | | | | | |
|-------------------|-------|-----------------|-------|---|---|-------|---|---|---------|------|
| | 680.5 | Inner_1RB_Right | 23.28 | / | / | 27.53 | / | / | <=34.77 | Pass |
| | | Edge_1RB_Left | 23.29 | / | / | 27.54 | / | / | <=34.77 | Pass |
| | | Edge_1RB_Right | 23.02 | / | / | 27.27 | / | / | <=34.77 | Pass |
| | | Outer_Full | 23.19 | / | / | 27.44 | / | / | <=34.77 | Pass |
| | | Inner_Full | 23.18 | / | / | 27.43 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Left | 23.24 | / | / | 27.49 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Right | 23.08 | / | / | 27.33 | / | / | <=34.77 | Pass |
| | 690.5 | Edge_1RB_Left | 22.85 | / | / | 27.10 | / | / | <=34.77 | Pass |
| | | Edge_1RB_Right | 23.20 | / | / | 27.45 | / | / | <=34.77 | Pass |
| | | Outer_Full | 23.15 | / | / | 27.40 | / | / | <=34.77 | Pass |
| | | Inner_Full | 23.24 | / | / | 27.49 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Left | 23.08 | / | / | 27.33 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Right | 23.12 | / | / | 27.37 | / | / | <=34.77 | Pass |
| DFT-s-OFDM 16 QAM | 670.5 | Edge_1RB_Left | 22.47 | / | / | 26.72 | / | / | <=34.77 | Pass |
| | | Edge_1RB_Right | 22.13 | / | / | 26.38 | / | / | <=34.77 | Pass |
| | | Outer_Full | 22.33 | / | / | 26.58 | / | / | <=34.77 | Pass |
| | | Inner_Full | 23.42 | / | / | 27.67 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Left | 23.42 | / | / | 27.67 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Right | 23.15 | / | / | 27.40 | / | / | <=34.77 | Pass |
| | 680.5 | Edge_1RB_Left | 22.17 | / | / | 26.42 | / | / | <=34.77 | Pass |
| | | Edge_1RB_Right | 22.42 | / | / | 26.67 | / | / | <=34.77 | Pass |
| | | Outer_Full | 22.25 | / | / | 26.50 | / | / | <=34.77 | Pass |
| | | Inner_Full | 23.18 | / | / | 27.43 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Left | 23.39 | / | / | 27.64 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Right | 23.20 | / | / | 27.45 | / | / | <=34.77 | Pass |
| | 690.5 | Edge_1RB_Left | 21.82 | / | / | 26.07 | / | / | <=34.77 | Pass |
| | | Edge_1RB_Right | 22.23 | / | / | 26.48 | / | / | <=34.77 | Pass |
| | | Outer_Full | 22.19 | / | / | 26.44 | / | / | <=34.77 | Pass |
| | | Inner_Full | 23.25 | / | / | 27.50 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Left | 22.91 | / | / | 27.16 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Right | 23.09 | / | / | 27.34 | / | / | <=34.77 | Pass |
| DFT-s-OFDM 64 QAM | 670.5 | Edge_1RB_Left | 22.08 | / | / | 26.33 | / | / | <=34.77 | Pass |
| | | Edge_1RB_Right | 21.67 | / | / | 25.92 | / | / | <=34.77 | Pass |
| | | Outer_Full | 21.92 | / | / | 26.17 | / | / | <=34.77 | Pass |
| | | Inner_Full | 21.84 | / | / | 26.09 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Left | 21.90 | / | / | 26.15 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Right | 21.78 | / | / | 26.03 | / | / | <=34.77 | Pass |



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| | | | | | | | | | | |
|--------------------|-------|-----------------|-------|---|---|-------|---|---|---------|------|
| | 680.5 | Edge_1RB_Left | 21.83 | / | / | 26.08 | / | / | <=34.77 | Pass |
| | | Edge_1RB_Right | 21.46 | / | / | 25.71 | / | / | <=34.77 | Pass |
| | | Outer_Full | 21.67 | / | / | 25.92 | / | / | <=34.77 | Pass |
| | | Inner_Full | 21.63 | / | / | 25.88 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Left | 21.95 | / | / | 26.20 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Right | 21.49 | / | / | 25.74 | / | / | <=34.77 | Pass |
| | 690.5 | Edge_1RB_Left | 21.40 | / | / | 25.65 | / | / | <=34.77 | Pass |
| | | Edge_1RB_Right | 21.57 | / | / | 25.82 | / | / | <=34.77 | Pass |
| | | Outer_Full | 21.63 | / | / | 25.88 | / | / | <=34.77 | Pass |
| | | Inner_Full | 21.73 | / | / | 25.98 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Left | 21.55 | / | / | 25.80 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Right | 21.84 | / | / | 26.09 | / | / | <=34.77 | Pass |
| DFT-s-OFDM 256 QAM | 670.5 | Edge_1RB_Left | 19.84 | / | / | 24.09 | / | / | <=34.77 | Pass |
| | | Edge_1RB_Right | 19.82 | / | / | 24.07 | / | / | <=34.77 | Pass |
| | | Outer_Full | 17.89 | / | / | 22.14 | / | / | <=34.77 | Pass |
| | | Inner_Full | 19.85 | / | / | 24.10 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Left | 20.07 | / | / | 24.32 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Right | 19.59 | / | / | 23.84 | / | / | <=34.77 | Pass |
| | 680.5 | Edge_1RB_Left | 19.77 | / | / | 24.02 | / | / | <=34.77 | Pass |
| | | Edge_1RB_Right | 19.80 | / | / | 24.05 | / | / | <=34.77 | Pass |
| | | Outer_Full | 17.67 | / | / | 21.92 | / | / | <=34.77 | Pass |
| | | Inner_Full | 19.66 | / | / | 23.91 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Left | 19.72 | / | / | 23.97 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Right | 19.74 | / | / | 23.99 | / | / | <=34.77 | Pass |
| | 690.5 | Edge_1RB_Left | 19.43 | / | / | 23.68 | / | / | <=34.77 | Pass |
| | | Edge_1RB_Right | 19.57 | / | / | 23.82 | / | / | <=34.77 | Pass |
| | | Outer_Full | 17.68 | / | / | 21.93 | / | / | <=34.77 | Pass |
| | | Inner_Full | 19.69 | / | / | 23.94 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Left | 19.35 | / | / | 23.60 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Right | 19.78 | / | / | 24.03 | / | / | <=34.77 | Pass |
| CP-OFDM QPSK | 670.5 | Edge_1RB_Left | 21.53 | / | / | 25.78 | / | / | <=34.77 | Pass |
| | | Edge_1RB_Right | 21.30 | / | / | 25.55 | / | / | <=34.77 | Pass |
| | | Outer_Full | 21.31 | / | / | 25.56 | / | / | <=34.77 | Pass |
| | | Inner_Full | 22.82 | / | / | 27.07 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Left | 23.16 | / | / | 27.41 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Right | 22.63 | / | / | 26.88 | / | / | <=34.77 | Pass |
| | 680.5 | Edge_1RB_Left | 21.29 | / | / | 25.54 | / | / | <=34.77 | Pass |



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| | | | | | | | | | | |
|----------------|-------|-----------------|-------|---|---|-------|---|---|---------|------|
| | 690.5 | Edge_1RB_Right | 21.19 | / | / | 25.44 | / | / | <=34.77 | Pass |
| | | Outer_Full | 21.08 | / | / | 25.33 | / | / | <=34.77 | Pass |
| | | Inner_Full | 22.67 | / | / | 26.92 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Left | 22.75 | / | / | 27.00 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Right | 22.63 | / | / | 26.88 | / | / | <=34.77 | Pass |
| | | Edge_1RB_Left | 20.86 | / | / | 25.11 | / | / | <=34.77 | Pass |
| | | Edge_1RB_Right | 21.14 | / | / | 25.39 | / | / | <=34.77 | Pass |
| | | Outer_Full | 21.13 | / | / | 25.38 | / | / | <=34.77 | Pass |
| | | Inner_Full | 22.70 | / | / | 26.95 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Left | 22.37 | / | / | 26.62 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Right | 22.74 | / | / | 26.99 | / | / | <=34.77 | Pass |
| CP-OFDM 16 QAM | 670.5 | Edge_1RB_Left | 21.57 | / | / | 25.82 | / | / | <=34.77 | Pass |
| | | Edge_1RB_Right | 21.22 | / | / | 25.47 | / | / | <=34.77 | Pass |
| | | Outer_Full | 21.36 | / | / | 25.61 | / | / | <=34.77 | Pass |
| | | Inner_Full | 22.35 | / | / | 26.60 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Left | 22.19 | / | / | 26.44 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Right | 22.26 | / | / | 26.51 | / | / | <=34.77 | Pass |
| | 680.5 | Edge_1RB_Left | 21.33 | / | / | 25.58 | / | / | <=34.77 | Pass |
| | | Edge_1RB_Right | 20.97 | / | / | 25.22 | / | / | <=34.77 | Pass |
| | | Outer_Full | 21.20 | / | / | 25.45 | / | / | <=34.77 | Pass |
| | | Inner_Full | 22.17 | / | / | 26.42 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Left | 22.35 | / | / | 26.60 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Right | 22.14 | / | / | 26.39 | / | / | <=34.77 | Pass |
| | 690.5 | Edge_1RB_Left | 20.83 | / | / | 25.08 | / | / | <=34.77 | Pass |
| | | Edge_1RB_Right | 21.28 | / | / | 25.53 | / | / | <=34.77 | Pass |
| | | Outer_Full | 21.17 | / | / | 25.42 | / | / | <=34.77 | Pass |
| | | Inner_Full | 22.09 | / | / | 26.34 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Left | 22.05 | / | / | 26.30 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Right | 22.31 | / | / | 26.56 | / | / | <=34.77 | Pass |
| CP-OFDM 64 QAM | 670.5 | Edge_1RB_Left | 20.73 | / | / | 24.98 | / | / | <=34.77 | Pass |
| | | Edge_1RB_Right | 20.76 | / | / | 25.01 | / | / | <=34.77 | Pass |
| | | Outer_Full | 19.78 | / | / | 24.03 | / | / | <=34.77 | Pass |
| | | Inner_Full | 20.81 | / | / | 25.06 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Left | 21.31 | / | / | 25.56 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Right | 21.14 | / | / | 25.39 | / | / | <=34.77 | Pass |
| | 680.5 | Edge_1RB_Left | 20.94 | / | / | 25.19 | / | / | <=34.77 | Pass |
| | | Edge_1RB_Right | 20.90 | / | / | 25.15 | / | / | <=34.77 | Pass |



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| | | | | | | | | | | | |
|--|-------|-----------------|-------|---|---|-------|---|---|---------|------|--|
| | 690.5 | Outer_Full | 19.68 | / | / | 23.93 | / | / | <=34.77 | Pass | |
| | | Inner_Full | 20.64 | / | / | 24.89 | / | / | <=34.77 | Pass | |
| | | Inner_1RB_Left | 21.01 | / | / | 25.26 | / | / | <=34.77 | Pass | |
| | | Inner_1RB_Right | 20.73 | / | / | 24.98 | / | / | <=34.77 | Pass | |
| | 690.5 | Edge_1RB_Left | 20.33 | / | / | 24.58 | / | / | <=34.77 | Pass | |
| | | Edge_1RB_Right | 20.76 | / | / | 25.01 | / | / | <=34.77 | Pass | |
| | | Outer_Full | 19.65 | / | / | 23.90 | / | / | <=34.77 | Pass | |
| | | Inner_Full | 20.69 | / | / | 24.94 | / | / | <=34.77 | Pass | |
| | | Inner_1RB_Left | 20.44 | / | / | 24.69 | / | / | <=34.77 | Pass | |
| | | Inner_1RB_Right | 20.72 | / | / | 24.97 | / | / | <=34.77 | Pass | |
| CP-OFDM 256 QAM | 670.5 | Edge_1RB_Left | 17.79 | / | / | 22.04 | / | / | <=34.77 | Pass | |
| | | Edge_1RB_Right | 17.65 | / | / | 21.90 | / | / | <=34.77 | Pass | |
| | | Outer_Full | 14.92 | / | / | 19.17 | / | / | <=34.77 | Pass | |
| | | Inner_Full | 17.85 | / | / | 22.10 | / | / | <=34.77 | Pass | |
| | | Inner_1RB_Left | 18.23 | / | / | 22.48 | / | / | <=34.77 | Pass | |
| | | Inner_1RB_Right | 17.87 | / | / | 22.12 | / | / | <=34.77 | Pass | |
| | 680.5 | Edge_1RB_Left | 17.84 | / | / | 22.09 | / | / | <=34.77 | Pass | |
| | | Edge_1RB_Right | 17.81 | / | / | 22.06 | / | / | <=34.77 | Pass | |
| | | Outer_Full | 14.77 | / | / | 19.02 | / | / | <=34.77 | Pass | |
| | | Inner_Full | 17.61 | / | / | 21.86 | / | / | <=34.77 | Pass | |
| | | Inner_1RB_Left | 17.91 | / | / | 22.16 | / | / | <=34.77 | Pass | |
| | | Inner_1RB_Right | 17.51 | / | / | 21.76 | / | / | <=34.77 | Pass | |
| | 690.5 | Edge_1RB_Left | 17.38 | / | / | 21.63 | / | / | <=34.77 | Pass | |
| | | Edge_1RB_Right | 17.84 | / | / | 22.09 | / | / | <=34.77 | Pass | |
| | | Outer_Full | 14.74 | / | / | 18.99 | / | / | <=34.77 | Pass | |
| | | Inner_Full | 17.77 | / | / | 22.02 | / | / | <=34.77 | Pass | |
| | | Inner_1RB_Left | 17.17 | / | / | 21.42 | / | / | <=34.77 | Pass | |
| | | Inner_1RB_Right | 17.62 | / | / | 21.87 | / | / | <=34.77 | Pass | |
| Note1: Antenna Gain: Ant1: 4.25dBi; | | | | | | | | | | | |
| Note2: EIRP=Conducted Power+Antenna Gain | | | | | | | | | | | |

1.1.4 15k_SISO_20MHz_NTNV_ERP

| 5G NR n71 SCS=15kHz SISO 20MHz NTVN | | | | | | | | | | |
|-------------------------------------|-----------------|----------------|----------------------|------|-----|----------|------|-----|---------|---------|
| Modulation | Frequency (MHz) | RB Allocation | Conducted Power(dBm) | | | ERP(dBm) | | | | Verdict |
| | | | Ant1 | Ant2 | Sum | Ant1 | Ant2 | Sum | Limit | |
| DFT-s-OFDM PI/2 BPSK | 673 | Edge_1RB_Left | 23.59 | / | / | 27.84 | / | / | <=34.77 | Pass |
| | | Edge_1RB_Right | 22.92 | / | / | 27.17 | / | / | <=34.77 | Pass |



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| | | | | | | | | | | |
|-------------------|-------|-----------------|-------|---|---|-------|---|---|---------|------|
| | 680.5 | Outer_Full | 23.44 | / | / | 27.69 | / | / | <=34.77 | Pass |
| | | Inner_Full | 23.35 | / | / | 27.60 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Left | 23.55 | / | / | 27.80 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Right | 22.88 | / | / | 27.13 | / | / | <=34.77 | Pass |
| | 688 | Edge_1RB_Left | 23.41 | / | / | 27.66 | / | / | <=34.77 | Pass |
| | | Edge_1RB_Right | 23.26 | / | / | 27.51 | / | / | <=34.77 | Pass |
| | | Outer_Full | 23.25 | / | / | 27.50 | / | / | <=34.77 | Pass |
| | | Inner_Full | 23.15 | / | / | 27.40 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Left | 23.36 | / | / | 27.61 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Right | 23.26 | / | / | 27.51 | / | / | <=34.77 | Pass |
| DFT-s-OFDM QPSK | 673 | Edge_1RB_Left | 23.27 | / | / | 27.52 | / | / | <=34.77 | Pass |
| | | Edge_1RB_Right | 23.19 | / | / | 27.44 | / | / | <=34.77 | Pass |
| | | Outer_Full | 23.06 | / | / | 27.31 | / | / | <=34.77 | Pass |
| | | Inner_Full | 23.20 | / | / | 27.45 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Left | 23.29 | / | / | 27.54 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Right | 23.21 | / | / | 27.46 | / | / | <=34.77 | Pass |
| | 680.5 | Edge_1RB_Left | 23.38 | / | / | 27.63 | / | / | <=34.77 | Pass |
| | | Edge_1RB_Right | 22.74 | / | / | 26.99 | / | / | <=34.77 | Pass |
| | | Outer_Full | 23.31 | / | / | 27.56 | / | / | <=34.77 | Pass |
| | | Inner_Full | 23.39 | / | / | 27.64 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Left | 23.59 | / | / | 27.84 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Right | 22.90 | / | / | 27.15 | / | / | <=34.77 | Pass |
| | 688 | Edge_1RB_Left | 23.27 | / | / | 27.52 | / | / | <=34.77 | Pass |
| | | Edge_1RB_Right | 23.19 | / | / | 27.44 | / | / | <=34.77 | Pass |
| | | Outer_Full | 23.23 | / | / | 27.48 | / | / | <=34.77 | Pass |
| | | Inner_Full | 23.23 | / | / | 27.48 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Left | 23.37 | / | / | 27.62 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Right | 23.24 | / | / | 27.49 | / | / | <=34.77 | Pass |
| DFT-s-OFDM 16 QAM | 673 | Edge_1RB_Left | 23.21 | / | / | 27.46 | / | / | <=34.77 | Pass |
| | | Edge_1RB_Right | 23.14 | / | / | 27.39 | / | / | <=34.77 | Pass |
| | | Outer_Full | 23.19 | / | / | 27.44 | / | / | <=34.77 | Pass |
| | | Inner_Full | 23.24 | / | / | 27.49 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Left | 23.26 | / | / | 27.51 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Right | 23.24 | / | / | 27.49 | / | / | <=34.77 | Pass |



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| | | | | | | | | | | |
|--------------------|-------|-----------------|-------|---|---|-------|---|---|---------|------|
| | 680.5 | Inner_Full | 23.39 | / | / | 27.64 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Left | 23.51 | / | / | 27.76 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Right | 22.87 | / | / | 27.12 | / | / | <=34.77 | Pass |
| | 688 | Edge_1RB_Left | 22.21 | / | / | 26.46 | / | / | <=34.77 | Pass |
| | | Edge_1RB_Right | 22.25 | / | / | 26.50 | / | / | <=34.77 | Pass |
| | | Outer_Full | 22.19 | / | / | 26.44 | / | / | <=34.77 | Pass |
| | 673 | Inner_Full | 23.26 | / | / | 27.51 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Left | 23.48 | / | / | 27.73 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Right | 23.48 | / | / | 27.73 | / | / | <=34.77 | Pass |
| | 680.5 | Edge_1RB_Left | 22.02 | / | / | 26.27 | / | / | <=34.77 | Pass |
| | | Edge_1RB_Right | 21.98 | / | / | 26.23 | / | / | <=34.77 | Pass |
| | | Outer_Full | 22.21 | / | / | 26.46 | / | / | <=34.77 | Pass |
| | 688 | Inner_Full | 23.20 | / | / | 27.45 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Left | 23.12 | / | / | 27.37 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Right | 23.24 | / | / | 27.49 | / | / | <=34.77 | Pass |
| DFT-s-OFDM 64 QAM | 673 | Edge_1RB_Left | 22.10 | / | / | 26.35 | / | / | <=34.77 | Pass |
| | | Edge_1RB_Right | 21.27 | / | / | 25.52 | / | / | <=34.77 | Pass |
| | | Outer_Full | 21.84 | / | / | 26.09 | / | / | <=34.77 | Pass |
| | | Inner_Full | 21.85 | / | / | 26.10 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Left | 21.87 | / | / | 26.12 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Right | 21.46 | / | / | 25.71 | / | / | <=34.77 | Pass |
| | 680.5 | Edge_1RB_Left | 21.65 | / | / | 25.90 | / | / | <=34.77 | Pass |
| | | Edge_1RB_Right | 21.58 | / | / | 25.83 | / | / | <=34.77 | Pass |
| | | Outer_Full | 21.78 | / | / | 26.03 | / | / | <=34.77 | Pass |
| | | Inner_Full | 21.64 | / | / | 25.89 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Left | 21.83 | / | / | 26.08 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Right | 21.74 | / | / | 25.99 | / | / | <=34.77 | Pass |
| | 688 | Edge_1RB_Left | 21.66 | / | / | 25.91 | / | / | <=34.77 | Pass |
| | | Edge_1RB_Right | 21.63 | / | / | 25.88 | / | / | <=34.77 | Pass |
| | | Outer_Full | 21.68 | / | / | 25.93 | / | / | <=34.77 | Pass |
| | | Inner_Full | 21.62 | / | / | 25.87 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Left | 21.83 | / | / | 26.08 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Right | 21.70 | / | / | 25.95 | / | / | <=34.77 | Pass |
| DFT-s-OFDM 256 QAM | 673 | Edge_1RB_Left | 19.98 | / | / | 24.23 | / | / | <=34.77 | Pass |
| | | Edge_1RB_Right | 19.35 | / | / | 23.60 | / | / | <=34.77 | Pass |
| | | Outer_Full | 17.82 | / | / | 22.07 | / | / | <=34.77 | Pass |
| | | Inner_Full | 19.82 | / | / | 24.07 | / | / | <=34.77 | Pass |



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| | | | | | | | | | | |
|----------------|-------|-----------------|-------|---|---|-------|---|---|---------|------|
| | 680.5 | Inner_1RB_Left | 19.91 | / | / | 24.16 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Right | 19.55 | / | / | 23.80 | / | / | <=34.77 | Pass |
| | | Edge_1RB_Left | 19.82 | / | / | 24.07 | / | / | <=34.77 | Pass |
| | | Edge_1RB_Right | 19.73 | / | / | 23.98 | / | / | <=34.77 | Pass |
| | | Outer_Full | 17.81 | / | / | 22.06 | / | / | <=34.77 | Pass |
| | | Inner_Full | 19.68 | / | / | 23.93 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Left | 19.57 | / | / | 23.82 | / | / | <=34.77 | Pass |
| | 688 | Inner_1RB_Right | 19.71 | / | / | 23.96 | / | / | <=34.77 | Pass |
| | | Edge_1RB_Left | 19.90 | / | / | 24.15 | / | / | <=34.77 | Pass |
| | | Edge_1RB_Right | 19.80 | / | / | 24.05 | / | / | <=34.77 | Pass |
| | | Outer_Full | 17.64 | / | / | 21.89 | / | / | <=34.77 | Pass |
| | | Inner_Full | 19.60 | / | / | 23.85 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Left | 20.03 | / | / | 24.28 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Right | 19.56 | / | / | 23.81 | / | / | <=34.77 | Pass |
| CP-OFDM QPSK | 673 | Edge_1RB_Left | 21.56 | / | / | 25.81 | / | / | <=34.77 | Pass |
| | | Edge_1RB_Right | 20.89 | / | / | 25.14 | / | / | <=34.77 | Pass |
| | | Outer_Full | 21.26 | / | / | 25.51 | / | / | <=34.77 | Pass |
| | | Inner_Full | 22.79 | / | / | 27.04 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Left | 22.96 | / | / | 27.21 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Right | 22.16 | / | / | 26.41 | / | / | <=34.77 | Pass |
| | 680.5 | Edge_1RB_Left | 21.35 | / | / | 25.60 | / | / | <=34.77 | Pass |
| | | Edge_1RB_Right | 21.31 | / | / | 25.56 | / | / | <=34.77 | Pass |
| | | Outer_Full | 21.12 | / | / | 25.37 | / | / | <=34.77 | Pass |
| | | Inner_Full | 22.64 | / | / | 26.89 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Left | 22.71 | / | / | 26.96 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Right | 22.52 | / | / | 26.77 | / | / | <=34.77 | Pass |
| | 688 | Edge_1RB_Left | 21.19 | / | / | 25.44 | / | / | <=34.77 | Pass |
| | | Edge_1RB_Right | 21.05 | / | / | 25.30 | / | / | <=34.77 | Pass |
| | | Outer_Full | 21.13 | / | / | 25.38 | / | / | <=34.77 | Pass |
| | | Inner_Full | 22.61 | / | / | 26.86 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Left | 22.71 | / | / | 26.96 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Right | 22.58 | / | / | 26.83 | / | / | <=34.77 | Pass |
| CP-OFDM 16 QAM | 673 | Edge_1RB_Left | 21.48 | / | / | 25.73 | / | / | <=34.77 | Pass |
| | | Edge_1RB_Right | 20.63 | / | / | 24.88 | / | / | <=34.77 | Pass |
| | | Outer_Full | 21.24 | / | / | 25.49 | / | / | <=34.77 | Pass |
| | | Inner_Full | 22.33 | / | / | 26.58 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Left | 22.21 | / | / | 26.46 | / | / | <=34.77 | Pass |



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| | | | | | | | | | | |
|-----------------|-------|-----------------|-------|---|---|-------|---|---|---------|------|
| | 680.5 | Inner_1RB_Right | 21.67 | / | / | 25.92 | / | / | <=34.77 | Pass |
| | | Edge_1RB_Left | 21.20 | / | / | 25.45 | / | / | <=34.77 | Pass |
| | | Edge_1RB_Right | 21.05 | / | / | 25.30 | / | / | <=34.77 | Pass |
| | | Outer_Full | 21.26 | / | / | 25.51 | / | / | <=34.77 | Pass |
| | | Inner_Full | 22.18 | / | / | 26.43 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Left | 22.19 | / | / | 26.44 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Right | 22.14 | / | / | 26.39 | / | / | <=34.77 | Pass |
| | 688 | Edge_1RB_Left | 21.11 | / | / | 25.36 | / | / | <=34.77 | Pass |
| | | Edge_1RB_Right | 21.19 | / | / | 25.44 | / | / | <=34.77 | Pass |
| | | Outer_Full | 21.21 | / | / | 25.46 | / | / | <=34.77 | Pass |
| | | Inner_Full | 22.12 | / | / | 26.37 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Left | 22.26 | / | / | 26.51 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Right | 22.35 | / | / | 26.60 | / | / | <=34.77 | Pass |
| CP-OFDM 64 QAM | 673 | Edge_1RB_Left | 21.12 | / | / | 25.37 | / | / | <=34.77 | Pass |
| | | Edge_1RB_Right | 20.41 | / | / | 24.66 | / | / | <=34.77 | Pass |
| | | Outer_Full | 19.79 | / | / | 24.04 | / | / | <=34.77 | Pass |
| | | Inner_Full | 20.84 | / | / | 25.09 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Left | 20.88 | / | / | 25.13 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Right | 20.30 | / | / | 24.55 | / | / | <=34.77 | Pass |
| | 680.5 | Edge_1RB_Left | 20.76 | / | / | 25.01 | / | / | <=34.77 | Pass |
| | | Edge_1RB_Right | 20.83 | / | / | 25.08 | / | / | <=34.77 | Pass |
| | | Outer_Full | 19.68 | / | / | 23.93 | / | / | <=34.77 | Pass |
| | | Inner_Full | 20.70 | / | / | 24.95 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Left | 20.90 | / | / | 25.15 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Right | 20.86 | / | / | 25.11 | / | / | <=34.77 | Pass |
| | 688 | Edge_1RB_Left | 20.63 | / | / | 24.88 | / | / | <=34.77 | Pass |
| | | Edge_1RB_Right | 20.79 | / | / | 25.04 | / | / | <=34.77 | Pass |
| | | Outer_Full | 19.75 | / | / | 24.00 | / | / | <=34.77 | Pass |
| | | Inner_Full | 20.70 | / | / | 24.95 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Left | 21.07 | / | / | 25.32 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Right | 20.65 | / | / | 24.90 | / | / | <=34.77 | Pass |
| CP-OFDM 256 QAM | 673 | Edge_1RB_Left | 18.25 | / | / | 22.50 | / | / | <=34.77 | Pass |
| | | Edge_1RB_Right | 17.59 | / | / | 21.84 | / | / | <=34.77 | Pass |
| | | Outer_Full | 14.89 | / | / | 19.14 | / | / | <=34.77 | Pass |
| | | Inner_Full | 17.78 | / | / | 22.03 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Left | 18.35 | / | / | 22.60 | / | / | <=34.77 | Pass |
| | | Inner_1RB_Right | 17.88 | / | / | 22.13 | / | / | <=34.77 | Pass |



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| | | | | | | | | | |
|-------|-----------------|-------|---|---|-------|---|---|---------|------|
| 680.5 | Edge_1RB_Left | 17.93 | / | / | 22.18 | / | / | <=34.77 | Pass |
| | Edge_1RB_Right | 17.91 | / | / | 22.16 | / | / | <=34.77 | Pass |
| | Outer_Full | 14.87 | / | / | 19.12 | / | / | <=34.77 | Pass |
| | Inner_Full | 17.66 | / | / | 21.91 | / | / | <=34.77 | Pass |
| | Inner_1RB_Left | 17.88 | / | / | 22.13 | / | / | <=34.77 | Pass |
| | Inner_1RB_Right | 17.88 | / | / | 22.13 | / | / | <=34.77 | Pass |
| 688 | Edge_1RB_Left | 17.68 | / | / | 21.93 | / | / | <=34.77 | Pass |
| | Edge_1RB_Right | 17.92 | / | / | 22.17 | / | / | <=34.77 | Pass |
| | Outer_Full | 14.78 | / | / | 19.03 | / | / | <=34.77 | Pass |
| | Inner_Full | 17.65 | / | / | 21.90 | / | / | <=34.77 | Pass |
| | Inner_1RB_Left | 17.62 | / | / | 21.87 | / | / | <=34.77 | Pass |
| | Inner_1RB_Right | 17.88 | / | / | 22.13 | / | / | <=34.77 | Pass |

Note1: Antenna Gain: Ant1: 4.25dB;

Note2: EIRP=Conducted Power+Antenna Gain

2. Frequency Stability

2.1 Test Result

2.1.1 15k_SISO_5MHz

| Modulation | Frequency (MHz) | RB Allocation | Temp. (°C) | Volt. | Freq. Error (Hz) | Freq. vs. rated (ppm) | | Verdict |
|----------------------|-----------------|---------------|------------|-------|------------------|-----------------------|----------------|---------|
| | | | | | | Result | Limit | |
| DFT-s-OFDM PI/2 BPSK | 680.5 | Outer_Full | 20 | LV | -8.10 | -0.0119 | >=-2.5 & <=2.5 | Pass |
| | | | | HV | -5.80 | -0.0085 | >=-2.5 & <=2.5 | Pass |
| | | | 0 | NV | -7.50 | -0.0110 | >=-2.5 & <=2.5 | Pass |
| | | | 10 | NV | -8.00 | -0.0118 | >=-2.5 & <=2.5 | Pass |
| | | | 20 | NV | -7.10 | -0.0104 | >=-2.5 & <=2.5 | Pass |
| | | | 30 | NV | -5.90 | -0.0087 | >=-2.5 & <=2.5 | Pass |
| | | | 40 | NV | -5.70 | -0.0084 | >=-2.5 & <=2.5 | Pass |
| DFT-s-OFDM QPSK | 680.5 | Outer_Full | 20 | LV | -7.60 | -0.0112 | >=-2.5 & <=2.5 | Pass |
| | | | | HV | -7.30 | -0.0107 | >=-2.5 & <=2.5 | Pass |
| | | | 0 | NV | -6.20 | -0.0091 | >=-2.5 & <=2.5 | Pass |
| | | | 10 | NV | -6.30 | -0.0093 | >=-2.5 & <=2.5 | Pass |
| | | | 20 | NV | -4.40 | -0.0065 | >=-2.5 & <=2.5 | Pass |
| | | | 30 | NV | -6.80 | -0.0100 | >=-2.5 & <=2.5 | Pass |



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| | | | | | | | | |
|--------------------|-------|------------|----|----|--------|---------|----------------|------|
| | | | 40 | NV | -6.80 | -0.0100 | >=-2.5 & <=2.5 | Pass |
| DFT-s-OFDM 16 QAM | 680.5 | Outer_Full | 20 | LV | -6.60 | -0.0097 | >=-2.5 & <=2.5 | Pass |
| | | | | HV | -6.80 | -0.0100 | >=-2.5 & <=2.5 | Pass |
| | | | 0 | NV | -5.00 | -0.0073 | >=-2.5 & <=2.5 | Pass |
| | | | 10 | NV | -6.50 | -0.0096 | >=-2.5 & <=2.5 | Pass |
| | | | 20 | NV | -6.10 | -0.0090 | >=-2.5 & <=2.5 | Pass |
| | | | 30 | NV | -6.90 | -0.0101 | >=-2.5 & <=2.5 | Pass |
| | | | 40 | NV | -7.30 | -0.0107 | >=-2.5 & <=2.5 | Pass |
| DFT-s-OFDM 64 QAM | 680.5 | Outer_Full | 20 | LV | -8.10 | -0.0119 | >=-2.5 & <=2.5 | Pass |
| | | | | HV | -7.80 | -0.0115 | >=-2.5 & <=2.5 | Pass |
| | | | 0 | NV | -16.60 | -0.0244 | >=-2.5 & <=2.5 | Pass |
| | | | 10 | NV | -5.50 | -0.0081 | >=-2.5 & <=2.5 | Pass |
| | | | 20 | NV | -4.60 | -0.0068 | >=-2.5 & <=2.5 | Pass |
| | | | 30 | NV | -8.50 | -0.0125 | >=-2.5 & <=2.5 | Pass |
| | | | 40 | NV | -4.90 | -0.0072 | >=-2.5 & <=2.5 | Pass |
| DFT-s-OFDM 256 QAM | 680.5 | Outer_Full | 20 | LV | -4.90 | -0.0072 | >=-2.5 & <=2.5 | Pass |
| | | | | HV | -2.90 | -0.0043 | >=-2.5 & <=2.5 | Pass |
| | | | 0 | NV | -11.20 | -0.0165 | >=-2.5 & <=2.5 | Pass |
| | | | 10 | NV | -5.00 | -0.0073 | >=-2.5 & <=2.5 | Pass |
| | | | 20 | NV | -6.90 | -0.0101 | >=-2.5 & <=2.5 | Pass |
| | | | 30 | NV | -6.50 | -0.0096 | >=-2.5 & <=2.5 | Pass |
| | | | 40 | NV | -9.20 | -0.0135 | >=-2.5 & <=2.5 | Pass |
| CP-OFDM QPSK | 680.5 | Outer_Full | 20 | LV | -7.00 | -0.0103 | >=-2.5 & <=2.5 | Pass |
| | | | | HV | -6.10 | -0.0090 | >=-2.5 & <=2.5 | Pass |
| | | | 0 | NV | -4.60 | -0.0068 | >=-2.5 & <=2.5 | Pass |
| | | | 10 | NV | -6.00 | -0.0088 | >=-2.5 & <=2.5 | Pass |
| | | | 20 | NV | -8.40 | -0.0123 | >=-2.5 & <=2.5 | Pass |
| | | | 30 | NV | -6.30 | -0.0093 | >=-2.5 & <=2.5 | Pass |
| | | | 40 | NV | -6.60 | -0.0097 | >=-2.5 & <=2.5 | Pass |
| CP-OFDM 16 QAM | 680.5 | Outer_Full | 20 | LV | -8.10 | -0.0119 | >=-2.5 & <=2.5 | Pass |
| | | | | HV | -3.40 | -0.0050 | >=-2.5 & <=2.5 | Pass |
| | | | 0 | NV | -12.50 | -0.0184 | >=-2.5 & <=2.5 | Pass |
| | | | 10 | NV | -12.80 | -0.0188 | >=-2.5 & <=2.5 | Pass |
| | | | 20 | NV | -7.60 | -0.0112 | >=-2.5 & <=2.5 | Pass |
| | | | 30 | NV | -6.30 | -0.0093 | >=-2.5 & <=2.5 | Pass |
| | | | 40 | NV | -5.60 | -0.0082 | >=-2.5 & <=2.5 | Pass |
| CP-OFDM 64 QAM | 680.5 | Outer_Full | 20 | LV | -7.30 | -0.0107 | >=-2.5 & <=2.5 | Pass |



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| | | | | | | | | |
|-----------------|-------|------------|---------|----------------|--------|---------|----------------|------|
| | | | | HV | -7.60 | -0.0112 | >=-2.5 & <=2.5 | Pass |
| 0 | NV | -5.80 | -0.0085 | >=-2.5 & <=2.5 | Pass | | | |
| 10 | NV | -7.90 | -0.0116 | >=-2.5 & <=2.5 | Pass | | | |
| 20 | NV | -15.60 | -0.0229 | >=-2.5 & <=2.5 | Pass | | | |
| 30 | NV | -7.50 | -0.0110 | >=-2.5 & <=2.5 | Pass | | | |
| 40 | NV | -9.40 | -0.0138 | >=-2.5 & <=2.5 | Pass | | | |
| CP-OFDM 256 QAM | 680.5 | Outer_Full | 20 | LV | -4.80 | -0.0071 | >=-2.5 & <=2.5 | Pass |
| | | | | HV | -9.50 | -0.0140 | >=-2.5 & <=2.5 | Pass |
| | | | 0 | NV | -9.00 | -0.0132 | >=-2.5 & <=2.5 | Pass |
| | | | 10 | NV | -10.30 | -0.0151 | >=-2.5 & <=2.5 | Pass |
| | | | 20 | NV | -8.60 | -0.0126 | >=-2.5 & <=2.5 | Pass |
| | | | 30 | NV | -6.20 | -0.0091 | >=-2.5 & <=2.5 | Pass |
| | | | 40 | NV | -8.20 | -0.0120 | >=-2.5 & <=2.5 | Pass |

2.1.2 15k_SISO_10MHz

| 5G NR n71 SCS=15kHz SISO 10MHz | | | | | | | | |
|--------------------------------|-----------------|---------------|------------|-------|------------------|-----------------------|----------------|---------|
| Modulation | Frequency (MHz) | RB Allocation | Temp. (°C) | Volt. | Freq. Error (Hz) | Freq. vs. rated (ppm) | | Verdict |
| | | | | | | Result | Limit | |
| DFT-s-OFDM PI/2 BPSK | 680.5 | Outer_Full | 20 | LV | -10.10 | -0.0148 | >=-2.5 & <=2.5 | Pass |
| | | | | HV | -5.80 | -0.0085 | >=-2.5 & <=2.5 | Pass |
| | | | 0 | NV | -9.20 | -0.0135 | >=-2.5 & <=2.5 | Pass |
| | | | 10 | NV | -8.70 | -0.0128 | >=-2.5 & <=2.5 | Pass |
| | | | 20 | NV | -6.70 | -0.0098 | >=-2.5 & <=2.5 | Pass |
| | | | 30 | NV | -10.20 | -0.0150 | >=-2.5 & <=2.5 | Pass |
| | | | 40 | NV | -7.90 | -0.0116 | >=-2.5 & <=2.5 | Pass |
| | | | 20 | LV | -9.00 | -0.0132 | >=-2.5 & <=2.5 | Pass |
| DFT-s-OFDM QPSK | 680.5 | Outer_Full | | HV | -11.00 | -0.0162 | >=-2.5 & <=2.5 | Pass |
| | | | 0 | NV | -9.90 | -0.0145 | >=-2.5 & <=2.5 | Pass |
| | | | 10 | NV | -7.50 | -0.0110 | >=-2.5 & <=2.5 | Pass |
| | | | 20 | NV | -8.20 | -0.0120 | >=-2.5 & <=2.5 | Pass |
| | | | 30 | NV | -9.70 | -0.0143 | >=-2.5 & <=2.5 | Pass |
| | | | 40 | NV | -11.50 | -0.0169 | >=-2.5 & <=2.5 | Pass |
| | | | 20 | LV | -11.20 | -0.0165 | >=-2.5 & <=2.5 | Pass |
| | | | | HV | -9.60 | -0.0141 | >=-2.5 & <=2.5 | Pass |
| DFT-s-OFDM 16 QAM | 680.5 | Outer_Full | 0 | NV | -7.60 | -0.0112 | >=-2.5 & <=2.5 | Pass |
| | | | 10 | NV | -9.10 | -0.0134 | >=-2.5 & <=2.5 | Pass |
| | | | 20 | NV | -9.00 | -0.0132 | >=-2.5 & <=2.5 | Pass |

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| | | | | | | | | | |
|--------------------|-------|------------|----|--------|---------|----------------|----------------|----------------|------|
| | | | 30 | NV | -7.60 | -0.0112 | >=-2.5 & <=2.5 | Pass | |
| | | | 40 | NV | -14.50 | -0.0213 | >=-2.5 & <=2.5 | Pass | |
| DFT-s-OFDM 64 QAM | 680.5 | Outer_Full | 20 | LV | -6.00 | -0.0088 | >=-2.5 & <=2.5 | Pass | |
| | | | | HV | -6.70 | -0.0098 | >=-2.5 & <=2.5 | Pass | |
| | | | 0 | NV | -10.60 | -0.0156 | >=-2.5 & <=2.5 | Pass | |
| | | | 10 | NV | -7.40 | -0.0109 | >=-2.5 & <=2.5 | Pass | |
| | | | 20 | NV | -9.90 | -0.0145 | >=-2.5 & <=2.5 | Pass | |
| | | | 30 | NV | -8.40 | -0.0123 | >=-2.5 & <=2.5 | Pass | |
| | | | 40 | NV | -16.10 | -0.0237 | >=-2.5 & <=2.5 | Pass | |
| | | | 20 | LV | -4.40 | -0.0065 | >=-2.5 & <=2.5 | Pass | |
| DFT-s-OFDM 256 QAM | 680.5 | Outer_Full | | HV | -11.30 | -0.0166 | >=-2.5 & <=2.5 | Pass | |
| | | | | 0 | NV | -6.90 | -0.0101 | >=-2.5 & <=2.5 | Pass |
| | | 10 | NV | -5.30 | -0.0078 | >=-2.5 & <=2.5 | Pass | | |
| | | 20 | NV | -10.90 | -0.0160 | >=-2.5 & <=2.5 | Pass | | |
| | | 30 | NV | -9.90 | -0.0145 | >=-2.5 & <=2.5 | Pass | | |
| | | 40 | NV | -6.30 | -0.0093 | >=-2.5 & <=2.5 | Pass | | |
| | | 20 | LV | -11.00 | -0.0162 | >=-2.5 & <=2.5 | Pass | | |
| | | | HV | -8.80 | -0.0129 | >=-2.5 & <=2.5 | Pass | | |
| CP-OFDM QPSK | 680.5 | Outer_Full | 0 | NV | -3.10 | -0.0046 | >=-2.5 & <=2.5 | Pass | |
| | | | 10 | NV | -8.30 | -0.0122 | >=-2.5 & <=2.5 | Pass | |
| | | | 20 | NV | -11.80 | -0.0173 | >=-2.5 & <=2.5 | Pass | |
| | | | 30 | NV | -12.90 | -0.0190 | >=-2.5 & <=2.5 | Pass | |
| | | | 40 | NV | -6.50 | -0.0096 | >=-2.5 & <=2.5 | Pass | |
| | | | 20 | LV | -8.50 | -0.0125 | >=-2.5 & <=2.5 | Pass | |
| | | | | HV | -8.80 | -0.0129 | >=-2.5 & <=2.5 | Pass | |
| CP-OFDM 16 QAM | 680.5 | Outer_Full | 0 | NV | -8.90 | -0.0131 | >=-2.5 & <=2.5 | Pass | |
| | | | 10 | NV | -5.80 | -0.0085 | >=-2.5 & <=2.5 | Pass | |
| | | | 20 | NV | -8.60 | -0.0126 | >=-2.5 & <=2.5 | Pass | |
| | | | 30 | NV | -6.10 | -0.0090 | >=-2.5 & <=2.5 | Pass | |
| | | | 40 | NV | -9.70 | -0.0143 | >=-2.5 & <=2.5 | Pass | |
| | | | 20 | LV | -6.90 | -0.0101 | >=-2.5 & <=2.5 | Pass | |
| | | | | HV | -7.40 | -0.0109 | >=-2.5 & <=2.5 | Pass | |
| CP-OFDM 64 QAM | 680.5 | Outer_Full | 0 | NV | -9.70 | -0.0143 | >=-2.5 & <=2.5 | Pass | |
| | | | 10 | NV | -6.30 | -0.0093 | >=-2.5 & <=2.5 | Pass | |
| | | | 20 | NV | -6.70 | -0.0098 | >=-2.5 & <=2.5 | Pass | |
| | | | 30 | NV | -7.40 | -0.0109 | >=-2.5 & <=2.5 | Pass | |
| | | | 40 | NV | -12.00 | -0.0176 | >=-2.5 & <=2.5 | Pass | |



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| | | | | | | | | |
|-----------------|-------|------------|----|----|--------|---------|----------------|------|
| CP-OFDM 256 QAM | 680.5 | Outer_Full | 20 | LV | -5.60 | -0.0082 | >=-2.5 & <=2.5 | Pass |
| | | | | HV | -7.40 | -0.0109 | >=-2.5 & <=2.5 | Pass |
| | | | 0 | NV | -7.20 | -0.0106 | >=-2.5 & <=2.5 | Pass |
| | | | 10 | NV | -6.40 | -0.0094 | >=-2.5 & <=2.5 | Pass |
| | | | 20 | NV | -6.10 | -0.0090 | >=-2.5 & <=2.5 | Pass |
| | | | 30 | NV | -11.40 | -0.0168 | >=-2.5 & <=2.5 | Pass |
| | | | 40 | NV | -8.20 | -0.0120 | >=-2.5 & <=2.5 | Pass |
| | | | | | | | | |

2.1.3 15k_SISO_15MHz

| 5G NR n71 SCS=15kHz SISO 15MHz | | | | | | | | |
|--------------------------------|-----------------|---------------|------------|-------|------------------|-----------------------|----------------|---------|
| Modulation | Frequency (MHz) | RB Allocation | Temp. (°C) | Volt. | Freq. Error (Hz) | Freq. vs. rated (ppm) | | Verdict |
| | | | | | | Result | Limit | |
| DFT-s-OFDM PI/2 BPSK | 680.5 | Outer_Full | 20 | LV | -9.10 | -0.0134 | >=-2.5 & <=2.5 | Pass |
| | | | | HV | -8.70 | -0.0128 | >=-2.5 & <=2.5 | Pass |
| | | | 0 | NV | -9.90 | -0.0145 | >=-2.5 & <=2.5 | Pass |
| | | | 10 | NV | -9.90 | -0.0145 | >=-2.5 & <=2.5 | Pass |
| | | | 20 | NV | -9.10 | -0.0134 | >=-2.5 & <=2.5 | Pass |
| | | | 30 | NV | -12.00 | -0.0176 | >=-2.5 & <=2.5 | Pass |
| | | | 40 | NV | -17.50 | -0.0257 | >=-2.5 & <=2.5 | Pass |
| | | | | | | | | |
| DFT-s-OFDM QPSK | 680.5 | Outer_Full | 20 | LV | -11.40 | -0.0168 | >=-2.5 & <=2.5 | Pass |
| | | | | HV | -9.80 | -0.0144 | >=-2.5 & <=2.5 | Pass |
| | | | 0 | NV | -9.30 | -0.0137 | >=-2.5 & <=2.5 | Pass |
| | | | 10 | NV | -9.40 | -0.0138 | >=-2.5 & <=2.5 | Pass |
| | | | 20 | NV | -9.40 | -0.0138 | >=-2.5 & <=2.5 | Pass |
| | | | 30 | NV | -19.70 | -0.0289 | >=-2.5 & <=2.5 | Pass |
| | | | 40 | NV | -9.50 | -0.0140 | >=-2.5 & <=2.5 | Pass |
| | | | | | | | | |
| DFT-s-OFDM 16 QAM | 680.5 | Outer_Full | 20 | LV | -8.00 | -0.0118 | >=-2.5 & <=2.5 | Pass |
| | | | | HV | -13.20 | -0.0194 | >=-2.5 & <=2.5 | Pass |
| | | | 0 | NV | -11.80 | -0.0173 | >=-2.5 & <=2.5 | Pass |
| | | | 10 | NV | -8.50 | -0.0125 | >=-2.5 & <=2.5 | Pass |
| | | | 20 | NV | -10.20 | -0.0150 | >=-2.5 & <=2.5 | Pass |
| | | | 30 | NV | -12.90 | -0.0190 | >=-2.5 & <=2.5 | Pass |
| | | | 40 | NV | -13.10 | -0.0193 | >=-2.5 & <=2.5 | Pass |
| | | | | | | | | |
| DFT-s-OFDM 64 QAM | 680.5 | Outer_Full | 20 | LV | -10.40 | -0.0153 | >=-2.5 & <=2.5 | Pass |
| | | | | HV | -9.60 | -0.0141 | >=-2.5 & <=2.5 | Pass |
| | | | 0 | NV | -8.10 | -0.0119 | >=-2.5 & <=2.5 | Pass |
| | | | 10 | NV | -9.50 | -0.0140 | >=-2.5 & <=2.5 | Pass |



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| | | | | | | | | |
|--------------------|-------|------------|----|----|--------|---------|----------------|------|
| | | | 20 | NV | -8.60 | -0.0126 | >=-2.5 & <=2.5 | Pass |
| | | | 30 | NV | -18.80 | -0.0276 | >=-2.5 & <=2.5 | Pass |
| | | | 40 | NV | -10.20 | -0.0150 | >=-2.5 & <=2.5 | Pass |
| DFT-s-OFDM 256 QAM | 680.5 | Outer_Full | 20 | LV | -6.00 | -0.0088 | >=-2.5 & <=2.5 | Pass |
| | | | | HV | -6.60 | -0.0097 | >=-2.5 & <=2.5 | Pass |
| | | | 0 | NV | -6.20 | -0.0091 | >=-2.5 & <=2.5 | Pass |
| | | | 10 | NV | -9.00 | -0.0132 | >=-2.5 & <=2.5 | Pass |
| | | | 20 | NV | -8.10 | -0.0119 | >=-2.5 & <=2.5 | Pass |
| | | | 30 | NV | -12.30 | -0.0181 | >=-2.5 & <=2.5 | Pass |
| | | | 40 | NV | -7.40 | -0.0109 | >=-2.5 & <=2.5 | Pass |
| | | | 20 | LV | -6.80 | -0.0100 | >=-2.5 & <=2.5 | Pass |
| CP-OFDM QPSK | 680.5 | Outer_Full | | HV | -6.10 | -0.0090 | >=-2.5 & <=2.5 | Pass |
| | | | 0 | NV | -9.20 | -0.0135 | >=-2.5 & <=2.5 | Pass |
| | | | 10 | NV | -6.60 | -0.0097 | >=-2.5 & <=2.5 | Pass |
| | | | 20 | NV | -7.40 | -0.0109 | >=-2.5 & <=2.5 | Pass |
| | | | 30 | NV | -8.70 | -0.0128 | >=-2.5 & <=2.5 | Pass |
| | | | 40 | NV | -10.10 | -0.0148 | >=-2.5 & <=2.5 | Pass |
| | | | 20 | LV | -6.00 | -0.0088 | >=-2.5 & <=2.5 | Pass |
| | | | | HV | -6.50 | -0.0096 | >=-2.5 & <=2.5 | Pass |
| CP-OFDM 16 QAM | 680.5 | Outer_Full | 0 | NV | -8.00 | -0.0118 | >=-2.5 & <=2.5 | Pass |
| | | | 10 | NV | -8.60 | -0.0126 | >=-2.5 & <=2.5 | Pass |
| | | | 20 | NV | -5.40 | -0.0079 | >=-2.5 & <=2.5 | Pass |
| | | | 30 | NV | -7.50 | -0.0110 | >=-2.5 & <=2.5 | Pass |
| | | | 40 | NV | -15.60 | -0.0229 | >=-2.5 & <=2.5 | Pass |
| | | | 20 | LV | -8.70 | -0.0128 | >=-2.5 & <=2.5 | Pass |
| | | | | HV | -7.60 | -0.0112 | >=-2.5 & <=2.5 | Pass |
| | | | 0 | NV | -8.00 | -0.0118 | >=-2.5 & <=2.5 | Pass |
| CP-OFDM 64 QAM | 680.5 | Outer_Full | 10 | NV | -10.50 | -0.0154 | >=-2.5 & <=2.5 | Pass |
| | | | 20 | NV | -6.30 | -0.0093 | >=-2.5 & <=2.5 | Pass |
| | | | 30 | NV | -6.90 | -0.0101 | >=-2.5 & <=2.5 | Pass |
| | | | 40 | NV | -5.10 | -0.0075 | >=-2.5 & <=2.5 | Pass |
| | | | 20 | LV | -5.50 | -0.0081 | >=-2.5 & <=2.5 | Pass |
| | | | | HV | -4.80 | -0.0071 | >=-2.5 & <=2.5 | Pass |
| | | | 0 | NV | -7.60 | -0.0112 | >=-2.5 & <=2.5 | Pass |
| | | | 10 | NV | -6.00 | -0.0088 | >=-2.5 & <=2.5 | Pass |
| CP-OFDM 256 QAM | 680.5 | Outer_Full | 20 | NV | -6.90 | -0.0101 | >=-2.5 & <=2.5 | Pass |
| | | | 30 | NV | -7.40 | -0.0109 | >=-2.5 & <=2.5 | Pass |



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| | | | | | | | | |
|--|--|--|----|----|-------|---------|----------------|------|
| | | | 40 | NV | -8.50 | -0.0125 | >=-2.5 & <=2.5 | Pass |
|--|--|--|----|----|-------|---------|----------------|------|

2.1.4 15k_SISO_20MHz

| 5G NR n71 SCS=15kHz SISO 20MHz | | | | | | | | |
|--------------------------------|-----------------|---------------|------------|-------|------------------|-----------------------|----------------|---------|
| Modulation | Frequency (MHz) | RB Allocation | Temp. (°C) | Volt. | Freq. Error (Hz) | Freq. vs. rated (ppm) | | Verdict |
| | | | | | | Result | Limit | |
| DFT-s-OFDM PI/2 BPSK | 680.5 | Outer_Full | 20 | LV | -11.70 | -0.0172 | >=-2.5 & <=2.5 | Pass |
| | | | | HV | -10.40 | -0.0153 | >=-2.5 & <=2.5 | Pass |
| | | | 0 | NV | -11.20 | -0.0165 | >=-2.5 & <=2.5 | Pass |
| | | | 10 | NV | -14.90 | -0.0219 | >=-2.5 & <=2.5 | Pass |
| | | | 20 | NV | -10.60 | -0.0156 | >=-2.5 & <=2.5 | Pass |
| | | | 30 | NV | -13.20 | -0.0194 | >=-2.5 & <=2.5 | Pass |
| | | | 40 | NV | -23.40 | -0.0344 | >=-2.5 & <=2.5 | Pass |
| DFT-s-OFDM QPSK | 680.5 | Outer_Full | 20 | LV | -13.70 | -0.0201 | >=-2.5 & <=2.5 | Pass |
| | | | | HV | -11.60 | -0.0170 | >=-2.5 & <=2.5 | Pass |
| | | | 0 | NV | -11.10 | -0.0163 | >=-2.5 & <=2.5 | Pass |
| | | | 10 | NV | -14.90 | -0.0219 | >=-2.5 & <=2.5 | Pass |
| | | | 20 | NV | -12.00 | -0.0176 | >=-2.5 & <=2.5 | Pass |
| | | | 30 | NV | -13.70 | -0.0201 | >=-2.5 & <=2.5 | Pass |
| | | | 40 | NV | -14.70 | -0.0216 | >=-2.5 & <=2.5 | Pass |
| DFT-s-OFDM 16 QAM | 680.5 | Outer_Full | 20 | LV | -12.30 | -0.0181 | >=-2.5 & <=2.5 | Pass |
| | | | | HV | -11.00 | -0.0162 | >=-2.5 & <=2.5 | Pass |
| | | | 0 | NV | -13.80 | -0.0203 | >=-2.5 & <=2.5 | Pass |
| | | | 10 | NV | -13.70 | -0.0201 | >=-2.5 & <=2.5 | Pass |
| | | | 20 | NV | -12.60 | -0.0185 | >=-2.5 & <=2.5 | Pass |
| | | | 30 | NV | -12.10 | -0.0178 | >=-2.5 & <=2.5 | Pass |
| | | | 40 | NV | -11.30 | -0.0166 | >=-2.5 & <=2.5 | Pass |
| DFT-s-OFDM 64 QAM | 680.5 | Outer_Full | 20 | LV | -11.70 | -0.0172 | >=-2.5 & <=2.5 | Pass |
| | | | | HV | -12.40 | -0.0182 | >=-2.5 & <=2.5 | Pass |
| | | | 0 | NV | -14.80 | -0.0217 | >=-2.5 & <=2.5 | Pass |
| | | | 10 | NV | -12.00 | -0.0176 | >=-2.5 & <=2.5 | Pass |
| | | | 20 | NV | -9.90 | -0.0145 | >=-2.5 & <=2.5 | Pass |
| | | | 30 | NV | -8.20 | -0.0120 | >=-2.5 & <=2.5 | Pass |
| | | | 40 | NV | -10.90 | -0.0160 | >=-2.5 & <=2.5 | Pass |
| DFT-s-OFDM 256 QAM | 680.5 | Outer_Full | 20 | LV | -6.00 | -0.0088 | >=-2.5 & <=2.5 | Pass |
| | | | | HV | -8.40 | -0.0123 | >=-2.5 & <=2.5 | Pass |
| | | | 0 | NV | -9.10 | -0.0134 | >=-2.5 & <=2.5 | Pass |

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| | | | | | | | | | |
|-----------------|-------|------------|----|-------|---------|----------------|----------------|----------------|------|
| | | | 10 | NV | -6.50 | -0.0096 | >=-2.5 & <=2.5 | Pass | |
| | | | 20 | NV | -5.30 | -0.0078 | >=-2.5 & <=2.5 | Pass | |
| | | | 30 | NV | -5.80 | -0.0085 | >=-2.5 & <=2.5 | Pass | |
| | | | 40 | NV | -6.40 | -0.0094 | >=-2.5 & <=2.5 | Pass | |
| CP-OFDM QPSK | 680.5 | Outer_Full | 20 | LV | -6.20 | -0.0091 | >=-2.5 & <=2.5 | Pass | |
| | | | | HV | -7.10 | -0.0104 | >=-2.5 & <=2.5 | Pass | |
| | | | 0 | NV | -8.30 | -0.0122 | >=-2.5 & <=2.5 | Pass | |
| | | | 10 | NV | -5.90 | -0.0087 | >=-2.5 & <=2.5 | Pass | |
| | | | 20 | NV | -6.80 | -0.0100 | >=-2.5 & <=2.5 | Pass | |
| | | | 30 | NV | -7.90 | -0.0116 | >=-2.5 & <=2.5 | Pass | |
| | | | 40 | NV | -14.30 | -0.0210 | >=-2.5 & <=2.5 | Pass | |
| | | | 20 | LV | -7.30 | -0.0107 | >=-2.5 & <=2.5 | Pass | |
| CP-OFDM 16 QAM | 680.5 | Outer_Full | | HV | -9.10 | -0.0134 | >=-2.5 & <=2.5 | Pass | |
| | | | | 0 | NV | -9.40 | -0.0138 | >=-2.5 & <=2.5 | Pass |
| | | 10 | NV | -6.10 | -0.0090 | >=-2.5 & <=2.5 | Pass | | |
| | | 20 | NV | -8.20 | -0.0120 | >=-2.5 & <=2.5 | Pass | | |
| | | 30 | NV | -9.70 | -0.0143 | >=-2.5 & <=2.5 | Pass | | |
| | | 40 | NV | -9.40 | -0.0138 | >=-2.5 & <=2.5 | Pass | | |
| | | 20 | LV | -7.30 | -0.0107 | >=-2.5 & <=2.5 | Pass | | |
| | | | HV | -6.50 | -0.0096 | >=-2.5 & <=2.5 | Pass | | |
| CP-OFDM 64 QAM | 680.5 | Outer_Full | 0 | NV | -9.30 | -0.0137 | >=-2.5 & <=2.5 | Pass | |
| | | | 10 | NV | -9.30 | -0.0137 | >=-2.5 & <=2.5 | Pass | |
| | | | 20 | NV | -9.00 | -0.0132 | >=-2.5 & <=2.5 | Pass | |
| | | | 30 | NV | -5.40 | -0.0079 | >=-2.5 & <=2.5 | Pass | |
| | | | 40 | NV | -10.40 | -0.0153 | >=-2.5 & <=2.5 | Pass | |
| | | | 20 | LV | -8.90 | -0.0131 | >=-2.5 & <=2.5 | Pass | |
| | | | | HV | -5.90 | -0.0087 | >=-2.5 & <=2.5 | Pass | |
| CP-OFDM 256 QAM | 680.5 | Outer_Full | 0 | NV | -7.30 | -0.0107 | >=-2.5 & <=2.5 | Pass | |
| | | | 10 | NV | -7.40 | -0.0109 | >=-2.5 & <=2.5 | Pass | |
| | | | 20 | NV | -5.30 | -0.0078 | >=-2.5 & <=2.5 | Pass | |
| | | | 30 | NV | -5.90 | -0.0087 | >=-2.5 & <=2.5 | Pass | |
| | | | 40 | NV | -11.90 | -0.0175 | >=-2.5 & <=2.5 | Pass | |



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3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 15k_SISO_5MHz_NTNV

| 5G NR n71 SCS=15kHz SISO 5MHz NTNv | | | | | | |
|------------------------------------|-----------------|---------------|---------------------|----------------------|-------------|---------|
| Modulation | Frequency (MHz) | RB Allocation | 99% Bandwidth (MHz) | 26dB Bandwidth (MHz) | Limit (MHz) | Verdict |
| DFT-s-OFDM PI/2 BPSK | 665.5 | Outer_Full | 4.58 | 5.32 | / | Pass |
| | 680.5 | Outer_Full | 4.58 | 5.35 | / | Pass |
| | 695.5 | Outer_Full | 4.58 | 5.27 | / | Pass |
| DFT-s-OFDM QPSK | 665.5 | Outer_Full | 4.54 | 5.23 | / | Pass |
| | 680.5 | Outer_Full | 4.57 | 5.40 | / | Pass |
| | 695.5 | Outer_Full | 4.54 | 5.25 | / | Pass |
| DFT-s-OFDM 16 QAM | 665.5 | Outer_Full | 4.59 | 5.31 | / | Pass |
| | 680.5 | Outer_Full | 4.56 | 5.35 | / | Pass |
| | 695.5 | Outer_Full | 4.57 | 5.40 | / | Pass |
| DFT-s-OFDM 64 QAM | 665.5 | Outer_Full | 4.58 | 5.46 | / | Pass |
| | 680.5 | Outer_Full | 4.58 | 5.34 | / | Pass |
| | 695.5 | Outer_Full | 4.57 | 5.38 | / | Pass |
| DFT-s-OFDM 256 QAM | 665.5 | Outer_Full | 4.57 | 5.29 | / | Pass |
| | 680.5 | Outer_Full | 4.57 | 5.40 | / | Pass |
| | 695.5 | Outer_Full | 4.57 | 5.43 | / | Pass |
| CP-OFDM QPSK | 665.5 | Outer_Full | 4.57 | 5.39 | / | Pass |
| | 680.5 | Outer_Full | 4.58 | 5.38 | / | Pass |
| | 695.5 | Outer_Full | 4.55 | 5.33 | / | Pass |
| CP-OFDM 16 QAM | 665.5 | Outer_Full | 4.58 | 5.42 | / | Pass |
| | 680.5 | Outer_Full | 4.59 | 5.47 | / | Pass |
| | 695.5 | Outer_Full | 4.57 | 5.37 | / | Pass |
| CP-OFDM 64 QAM | 665.5 | Outer_Full | 4.56 | 5.39 | / | Pass |
| | 680.5 | Outer_Full | 4.56 | 5.35 | / | Pass |
| | 695.5 | Outer_Full | 4.56 | 5.37 | / | Pass |
| CP-OFDM 256 QAM | 665.5 | Outer_Full | 4.57 | 5.34 | / | Pass |
| | 680.5 | Outer_Full | 4.60 | 5.35 | / | Pass |
| | 695.5 | Outer_Full | 4.55 | 5.36 | / | Pass |



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3.1.2 15k_SISO_10MHz_NTNV

| 5G NR n71 SCS=15kHz SISO 10MHz NTNV | | | | | | |
|-------------------------------------|-----------------|---------------|---------------------|----------------------|-------------|---------|
| Modulation | Frequency (MHz) | RB Allocation | 99% Bandwidth (MHz) | 26dB Bandwidth (MHz) | Limit (MHz) | Verdict |
| DFT-s-OFDM PI/2 BPSK | 668 | Outer_Full | 9.04 | 9.98 | / | Pass |
| | 680.5 | Outer_Full | 9.05 | 10.01 | / | Pass |
| | 693 | Outer_Full | 9.02 | 9.99 | / | Pass |
| DFT-s-OFDM QPSK | 668 | Outer_Full | 9.03 | 9.91 | / | Pass |
| | 680.5 | Outer_Full | 9.05 | 10.02 | / | Pass |
| | 693 | Outer_Full | 9.01 | 9.97 | / | Pass |
| DFT-s-OFDM 16 QAM | 668 | Outer_Full | 9.06 | 9.99 | / | Pass |
| | 680.5 | Outer_Full | 9.03 | 10.10 | / | Pass |
| | 693 | Outer_Full | 9.02 | 9.94 | / | Pass |
| DFT-s-OFDM 64 QAM | 668 | Outer_Full | 9.04 | 10.03 | / | Pass |
| | 680.5 | Outer_Full | 9.06 | 9.99 | / | Pass |
| | 693 | Outer_Full | 9.02 | 9.93 | / | Pass |
| DFT-s-OFDM 256 QAM | 668 | Outer_Full | 9.02 | 10.04 | / | Pass |
| | 680.5 | Outer_Full | 9.06 | 10.04 | / | Pass |
| | 693 | Outer_Full | 9.04 | 9.98 | / | Pass |
| CP-OFDM QPSK | 668 | Outer_Full | 9.36 | 10.32 | / | Pass |
| | 680.5 | Outer_Full | 9.38 | 10.44 | / | Pass |
| | 693 | Outer_Full | 9.37 | 10.38 | / | Pass |
| CP-OFDM 16 QAM | 668 | Outer_Full | 9.38 | 10.37 | / | Pass |
| | 680.5 | Outer_Full | 9.39 | 10.36 | / | Pass |
| | 693 | Outer_Full | 9.39 | 10.32 | / | Pass |
| CP-OFDM 64 QAM | 668 | Outer_Full | 9.37 | 10.26 | / | Pass |
| | 680.5 | Outer_Full | 9.39 | 10.40 | / | Pass |
| | 693 | Outer_Full | 9.37 | 10.41 | / | Pass |
| CP-OFDM 256 QAM | 668 | Outer_Full | 9.37 | 10.40 | / | Pass |
| | 680.5 | Outer_Full | 9.42 | 10.42 | / | Pass |
| | 693 | Outer_Full | 9.37 | 10.30 | / | Pass |

3.1.3 15k_SISO_15MHz_NTNV

| 5G NR n71 SCS=15kHz SISO 15MHz NTNV | | | | | | |
|-------------------------------------|-----------------|---------------|---------------------|----------------------|-------------|---------|
| Modulation | Frequency (MHz) | RB Allocation | 99% Bandwidth (MHz) | 26dB Bandwidth (MHz) | Limit (MHz) | Verdict |



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| | | | | | | |
|----------------------|-------|------------|-------|-------|---|------|
| DFT-s-OFDM PI/2 BPSK | 670.5 | Outer_Full | 13.54 | 14.71 | / | Pass |
| | 680.5 | Outer_Full | 13.60 | 14.74 | / | Pass |
| | 690.5 | Outer_Full | 13.55 | 14.69 | / | Pass |
| DFT-s-OFDM QPSK | 670.5 | Outer_Full | 13.53 | 14.81 | / | Pass |
| | 680.5 | Outer_Full | 13.64 | 14.89 | / | Pass |
| | 690.5 | Outer_Full | 13.56 | 14.85 | / | Pass |
| DFT-s-OFDM 16 QAM | 670.5 | Outer_Full | 13.51 | 14.75 | / | Pass |
| | 680.5 | Outer_Full | 13.59 | 14.83 | / | Pass |
| | 690.5 | Outer_Full | 13.57 | 14.87 | / | Pass |
| DFT-s-OFDM 64 QAM | 670.5 | Outer_Full | 13.48 | 14.80 | / | Pass |
| | 680.5 | Outer_Full | 13.57 | 14.78 | / | Pass |
| | 690.5 | Outer_Full | 13.52 | 14.83 | / | Pass |
| DFT-s-OFDM 256 QAM | 670.5 | Outer_Full | 13.49 | 14.67 | / | Pass |
| | 680.5 | Outer_Full | 13.59 | 14.85 | / | Pass |
| | 690.5 | Outer_Full | 13.53 | 14.82 | / | Pass |
| CP-OFDM QPSK | 670.5 | Outer_Full | 14.18 | 15.43 | / | Pass |
| | 680.5 | Outer_Full | 14.26 | 15.53 | / | Pass |
| | 690.5 | Outer_Full | 14.20 | 15.39 | / | Pass |
| CP-OFDM 16 QAM | 670.5 | Outer_Full | 14.23 | 15.46 | / | Pass |
| | 680.5 | Outer_Full | 14.25 | 15.57 | / | Pass |
| | 690.5 | Outer_Full | 14.21 | 15.43 | / | Pass |
| CP-OFDM 64 QAM | 670.5 | Outer_Full | 14.19 | 15.43 | / | Pass |
| | 680.5 | Outer_Full | 14.25 | 15.52 | / | Pass |
| | 690.5 | Outer_Full | 14.24 | 15.58 | / | Pass |
| CP-OFDM 256 QAM | 670.5 | Outer_Full | 14.17 | 15.38 | / | Pass |
| | 680.5 | Outer_Full | 14.27 | 15.50 | / | Pass |
| | 690.5 | Outer_Full | 14.22 | 15.50 | / | Pass |

3.1.4 15k_SISO_20MHz_NTNV

| 5G NR n71 SCS=15kHz SISO 20MHz NTVN | | | | | | |
|-------------------------------------|-----------------|---------------|---------------------|----------------------|-------------|---------|
| Modulation | Frequency (MHz) | RB Allocation | 99% Bandwidth (MHz) | 26dB Bandwidth (MHz) | Limit (MHz) | Verdict |
| DFT-s-OFDM PI/2 BPSK | 673 | Outer_Full | 17.94 | 19.42 | / | Pass |
| | 680.5 | Outer_Full | 18.08 | 19.55 | / | Pass |
| | 688 | Outer_Full | 18.15 | 19.40 | / | Pass |
| DFT-s-OFDM QPSK | 673 | Outer_Full | 17.93 | 19.49 | / | Pass |
| | 680.5 | Outer_Full | 18.07 | 19.53 | / | Pass |



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| | | | | | | |
|--------------------|-------|------------|-------|-------|---|------|
| | 688 | Outer_Full | 17.98 | 19.46 | / | Pass |
| DFT-s-OFDM 16 QAM | 673 | Outer_Full | 17.95 | 19.23 | / | Pass |
| | 680.5 | Outer_Full | 18.08 | 19.48 | / | Pass |
| | 688 | Outer_Full | 17.96 | 19.53 | / | Pass |
| DFT-s-OFDM 64 QAM | 673 | Outer_Full | 17.93 | 19.53 | / | Pass |
| | 680.5 | Outer_Full | 18.06 | 19.60 | / | Pass |
| | 688 | Outer_Full | 17.97 | 19.51 | / | Pass |
| DFT-s-OFDM 256 QAM | 673 | Outer_Full | 17.91 | 19.48 | / | Pass |
| | 680.5 | Outer_Full | 18.07 | 19.57 | / | Pass |
| | 688 | Outer_Full | 17.95 | 19.50 | / | Pass |
| CP-OFDM QPSK | 673 | Outer_Full | 18.99 | 20.50 | / | Pass |
| | 680.5 | Outer_Full | 19.09 | 20.57 | / | Pass |
| | 688 | Outer_Full | 19.03 | 20.52 | / | Pass |
| CP-OFDM 16 QAM | 673 | Outer_Full | 19.00 | 20.55 | / | Pass |
| | 680.5 | Outer_Full | 19.09 | 20.97 | / | Pass |
| | 688 | Outer_Full | 19.05 | 20.42 | / | Pass |
| CP-OFDM 64 QAM | 673 | Outer_Full | 18.98 | 20.48 | / | Pass |
| | 680.5 | Outer_Full | 19.08 | 20.51 | / | Pass |
| | 688 | Outer_Full | 18.96 | 20.51 | / | Pass |
| CP-OFDM 256 QAM | 673 | Outer_Full | 18.96 | 20.53 | / | Pass |
| | 680.5 | Outer_Full | 19.05 | 20.57 | / | Pass |
| | 688 | Outer_Full | 19.02 | 20.51 | / | Pass |



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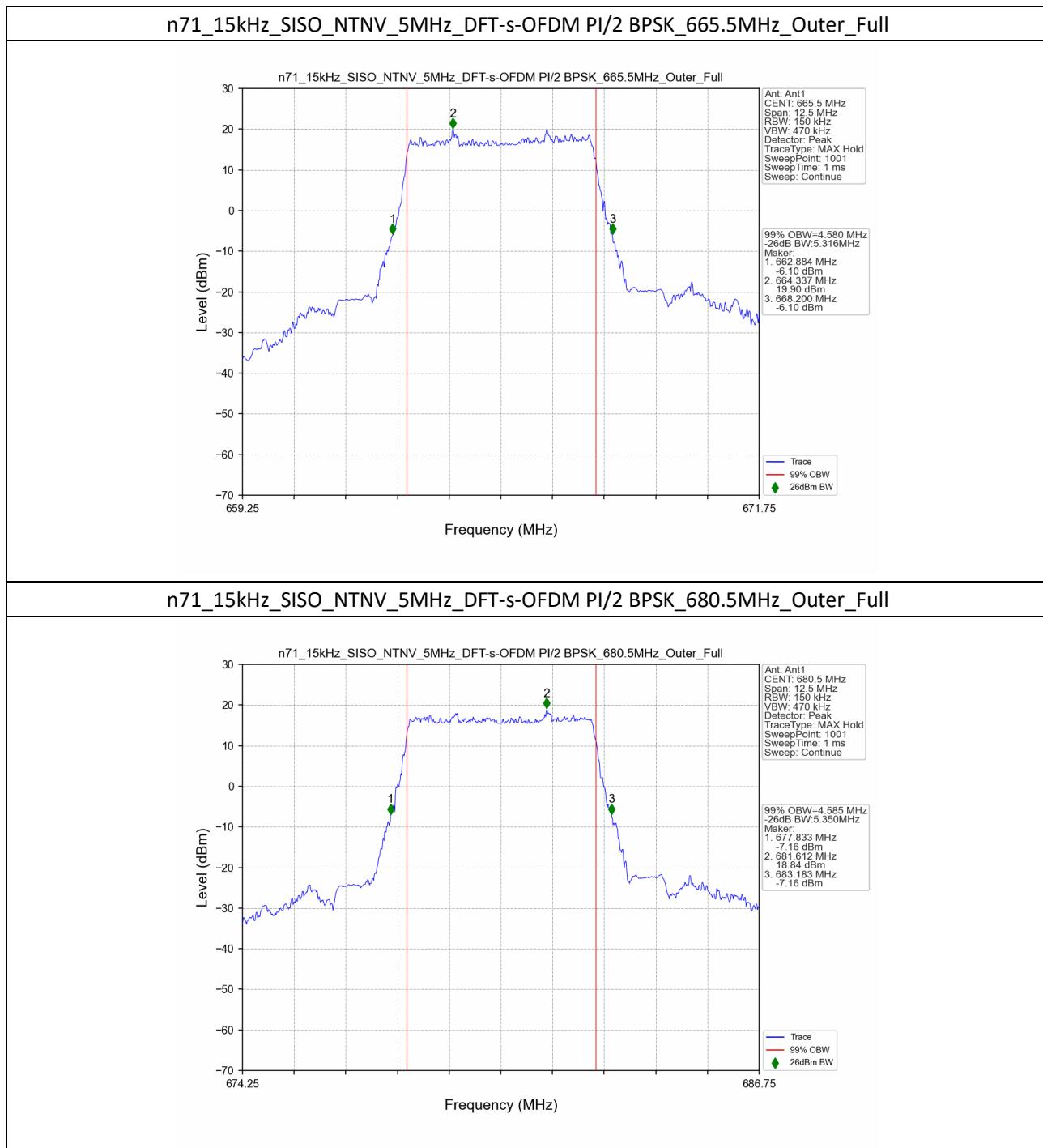
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3.2 Test Graph

3.2.1 15k_SISO_5MHz_NTNV



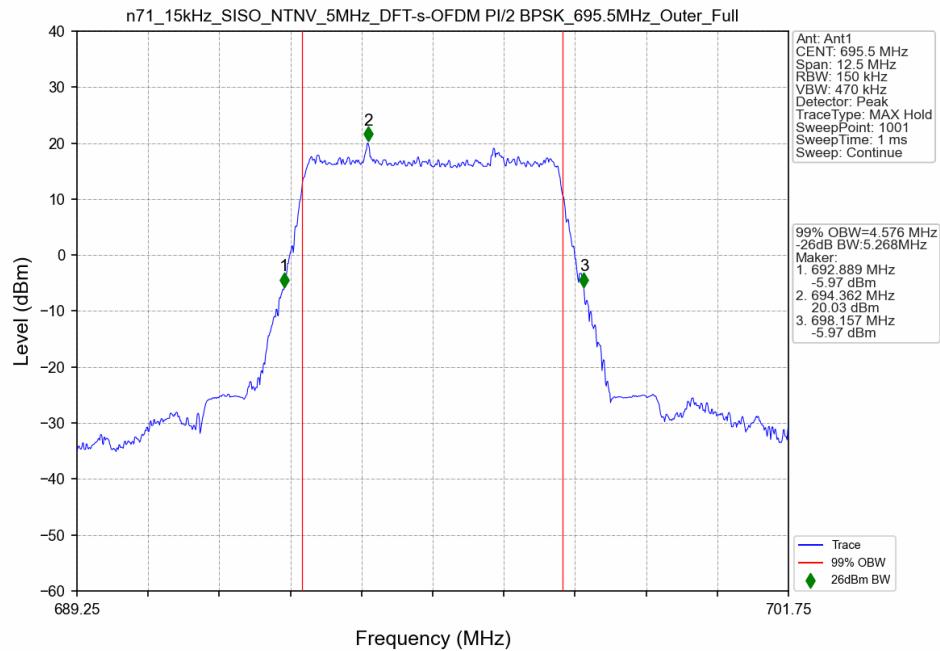
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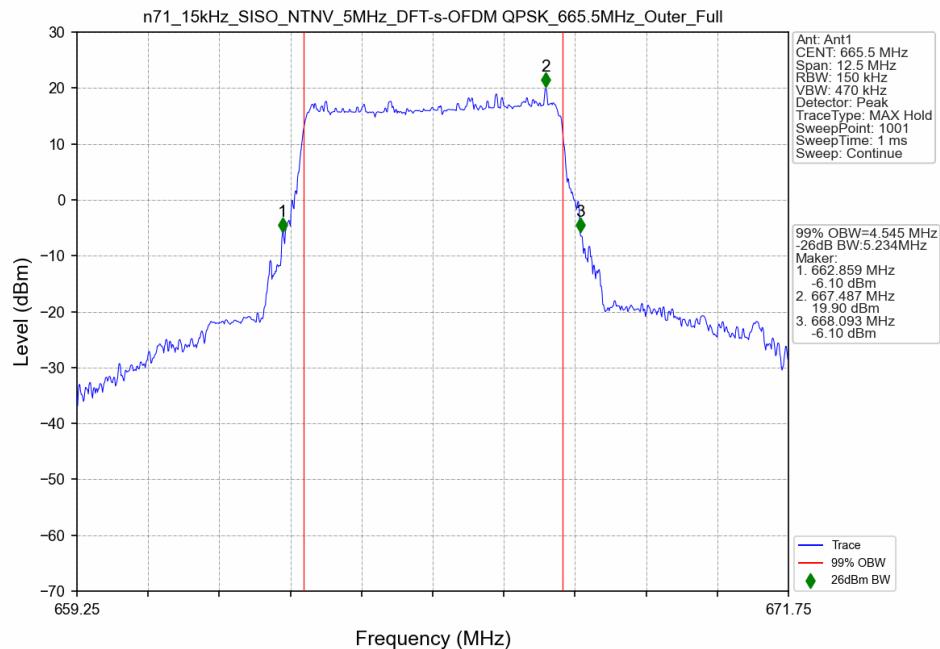
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n71_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_695.5MHz_Outer_Full



n71_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_665.5MHz_Outer_Full

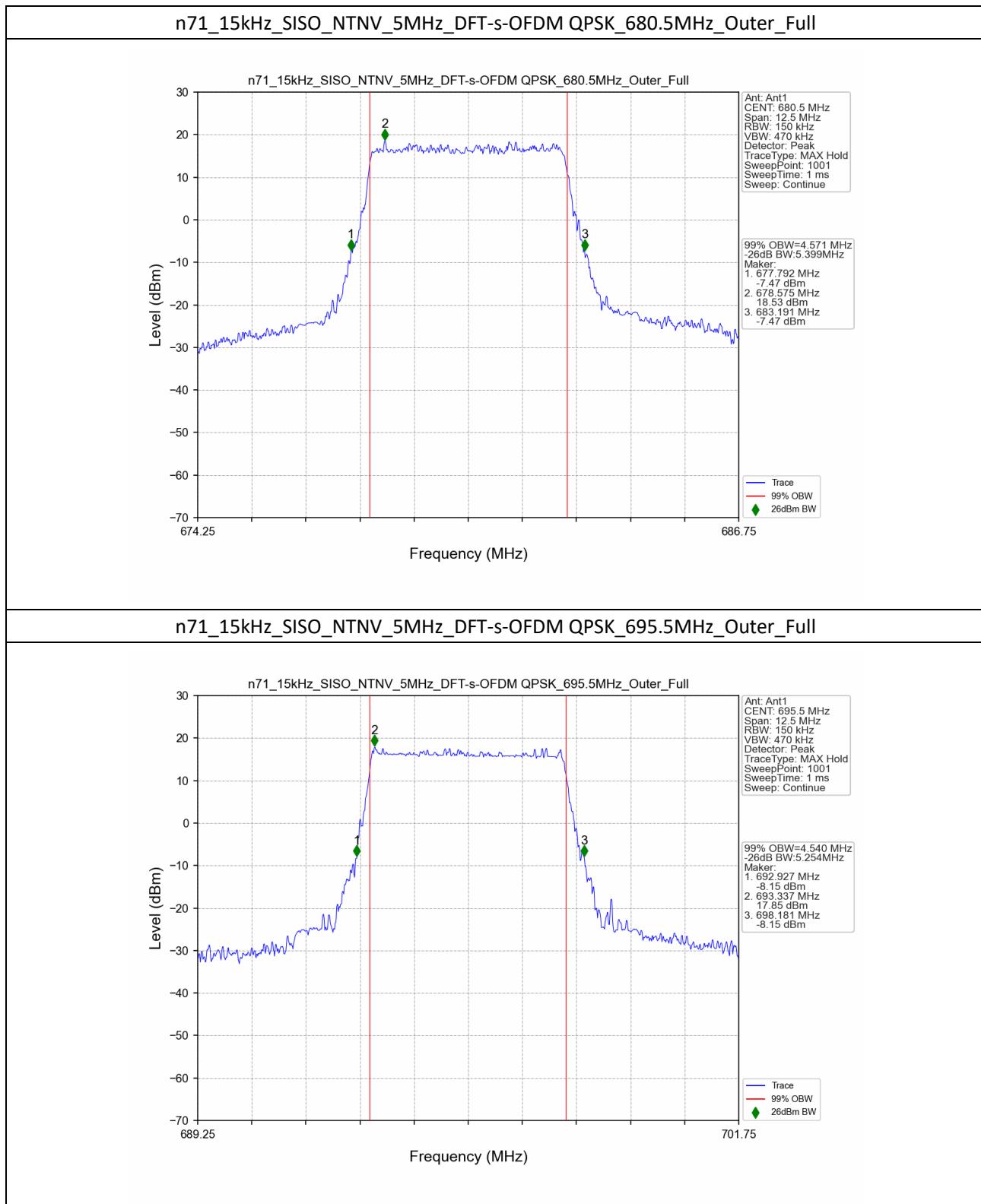


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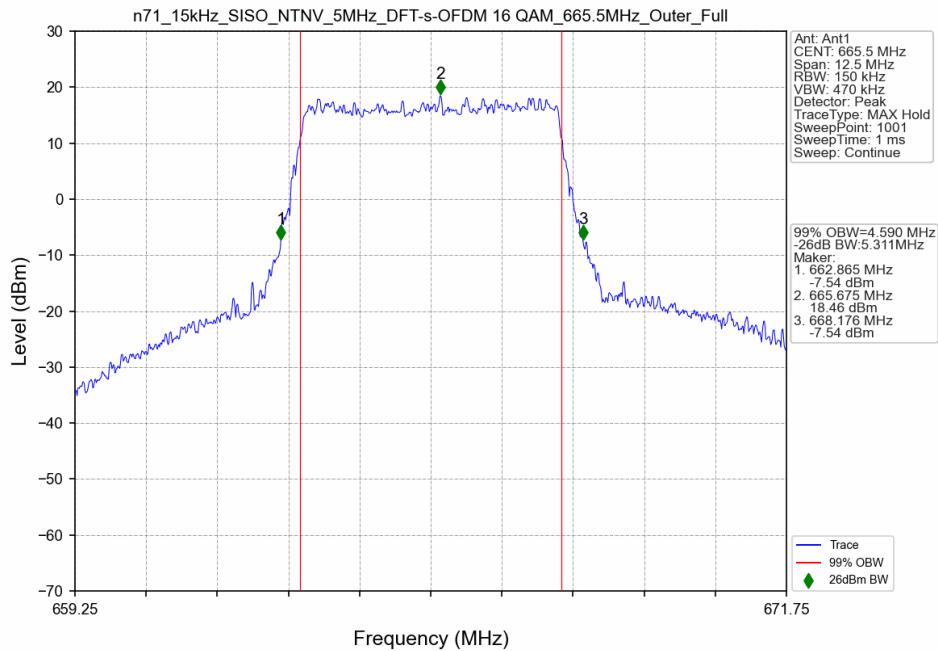


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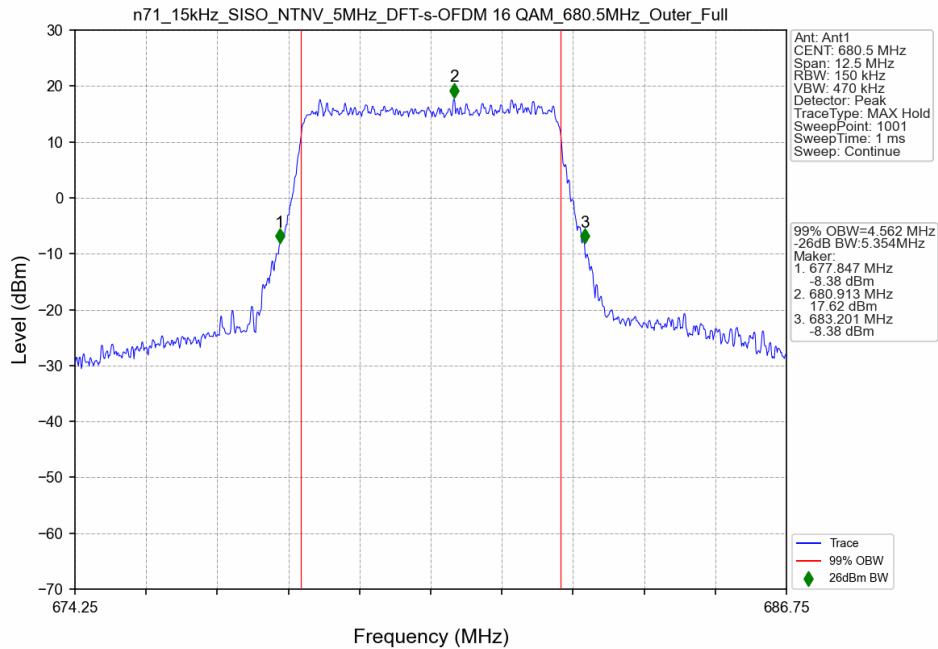
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n71_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM 16 QAM_665.5MHz_Outer_Full



n71_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM 16 QAM_680.5MHz_Outer_Full



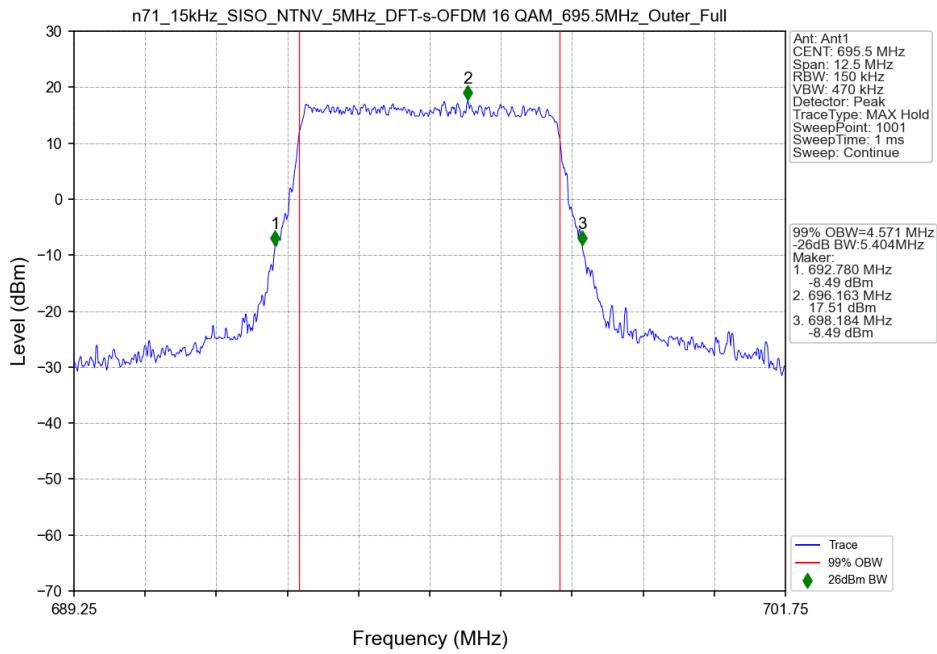
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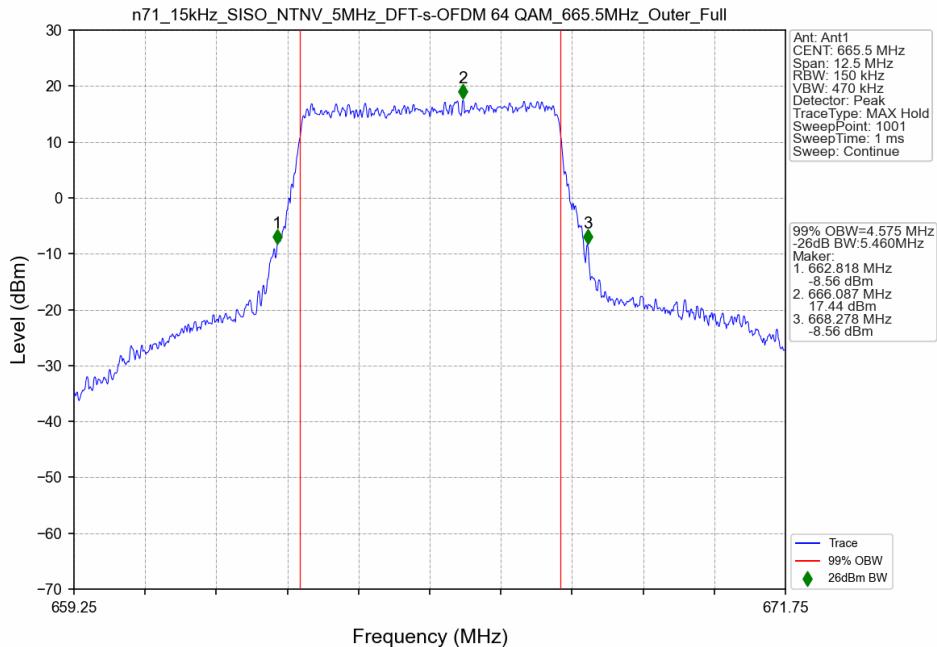
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n71_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM 16 QAM_695.5MHz_Outer_Full



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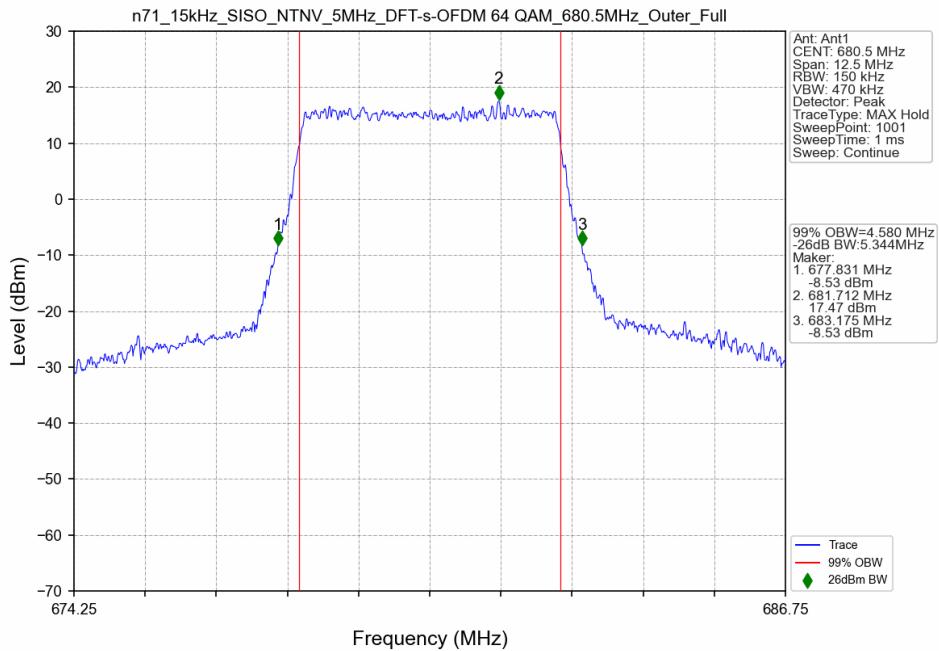


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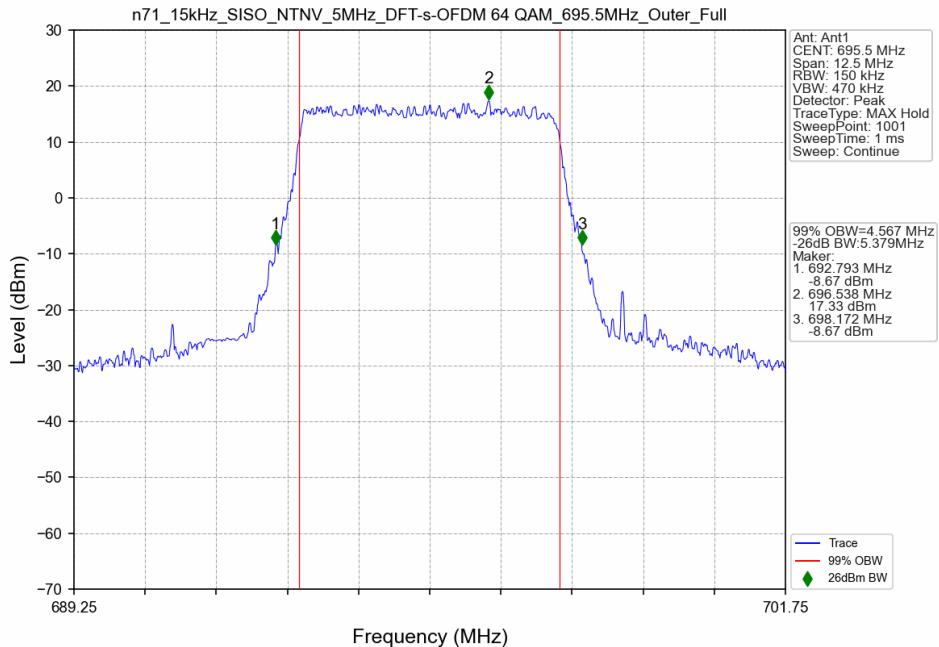
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n71_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM 64 QAM_680.5MHz_Outer_Full



n71_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM 64 QAM_695.5MHz_Outer_Full

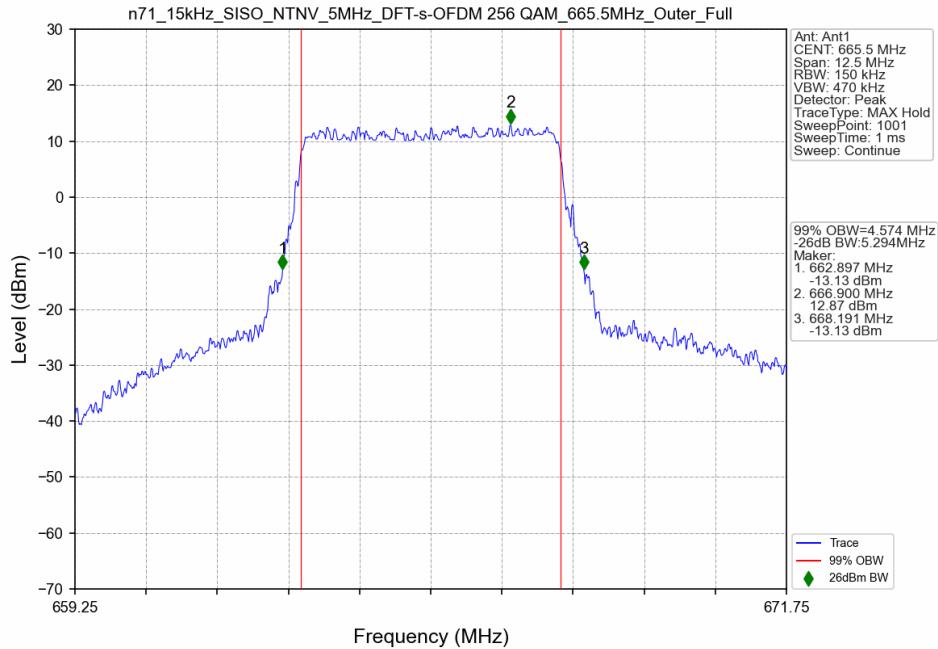


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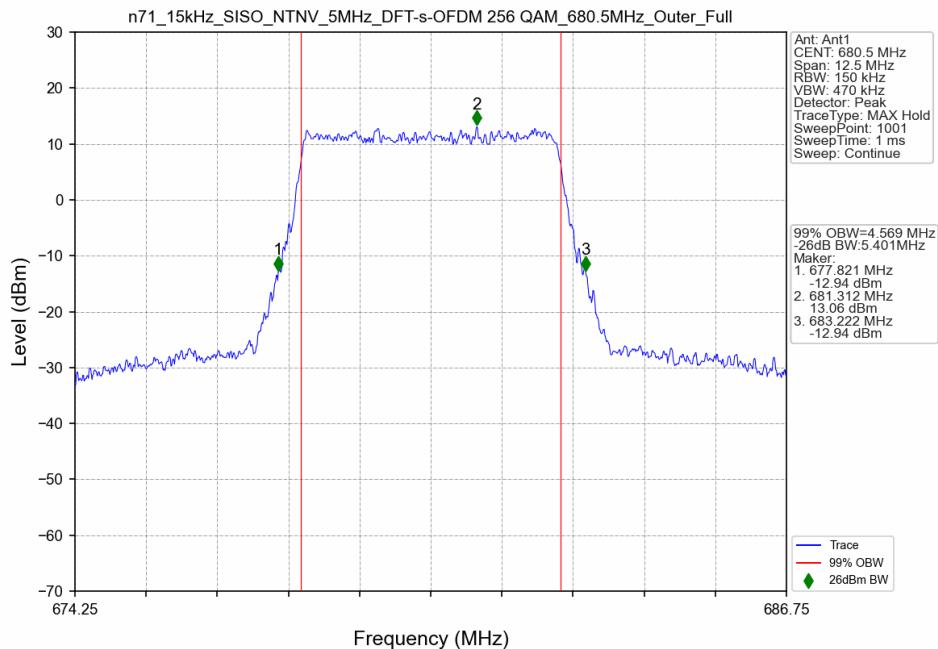
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n71_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM 256 QAM_680.5MHz_Outer_Full



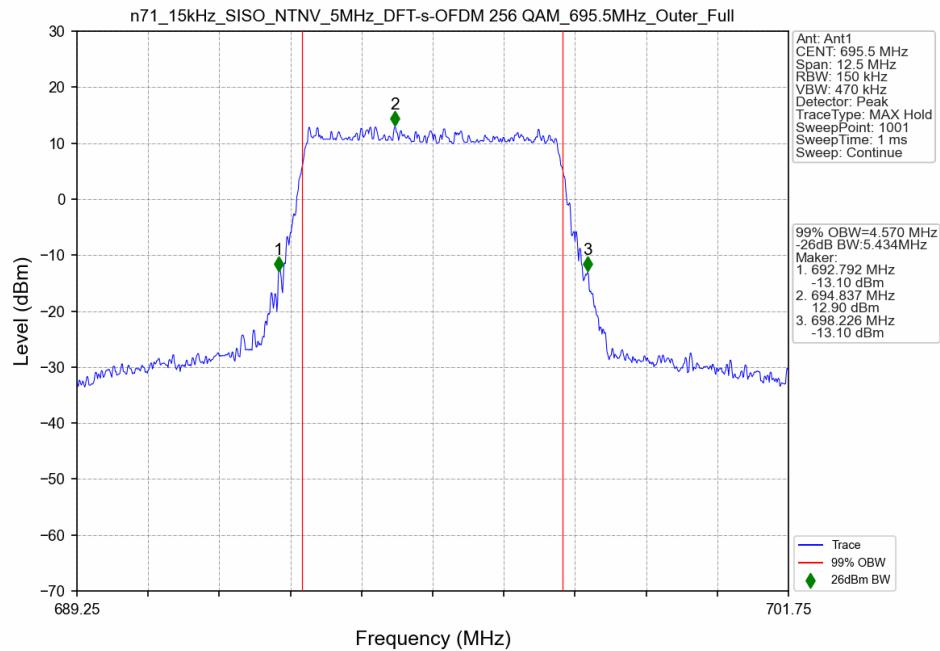
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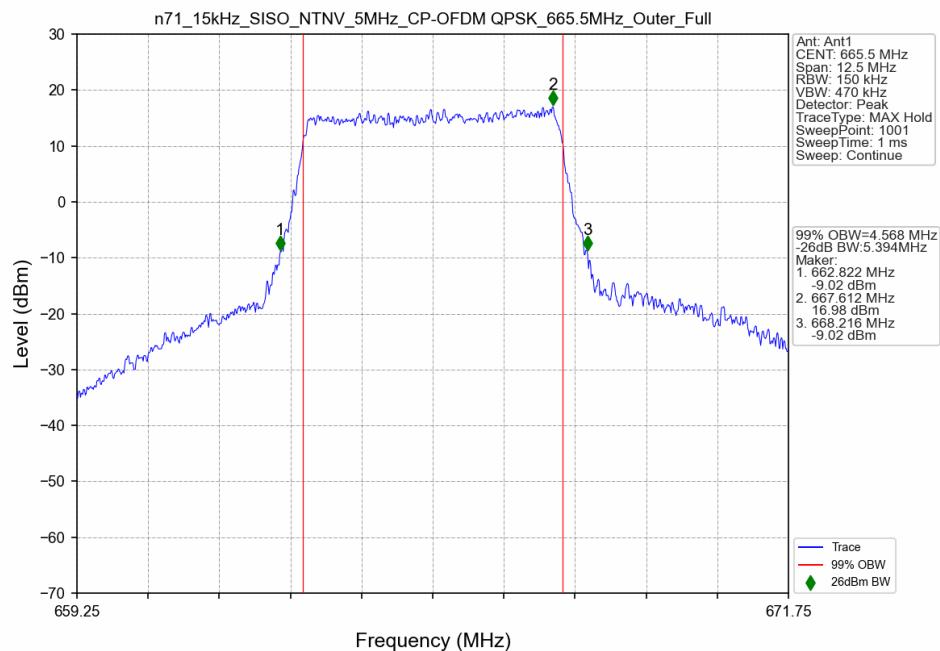
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