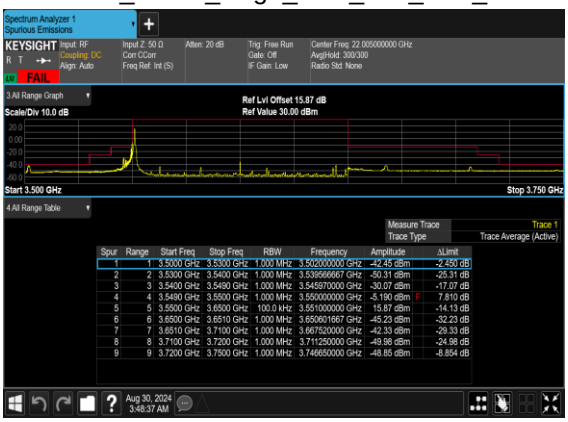
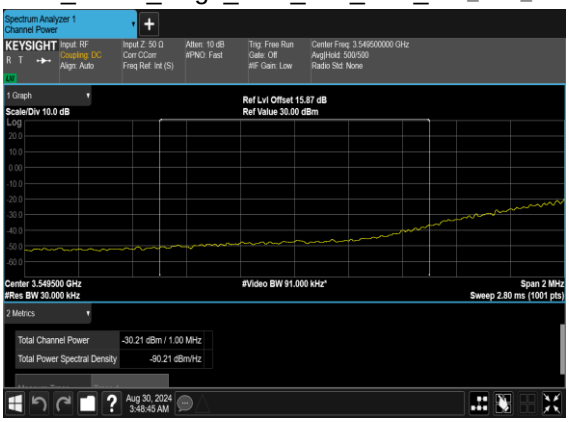
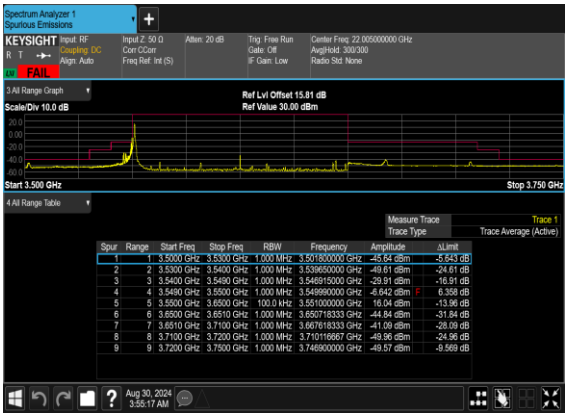
N48(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



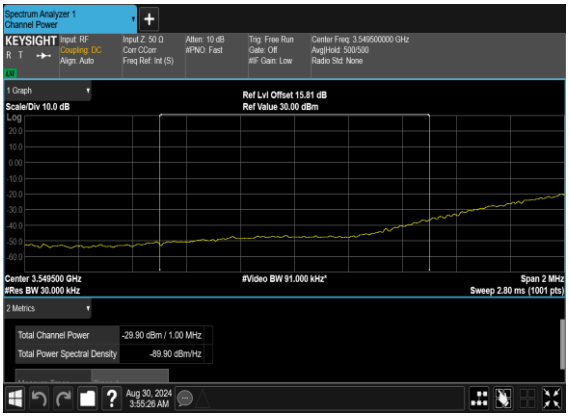

N48(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH_**CHP_PASS**



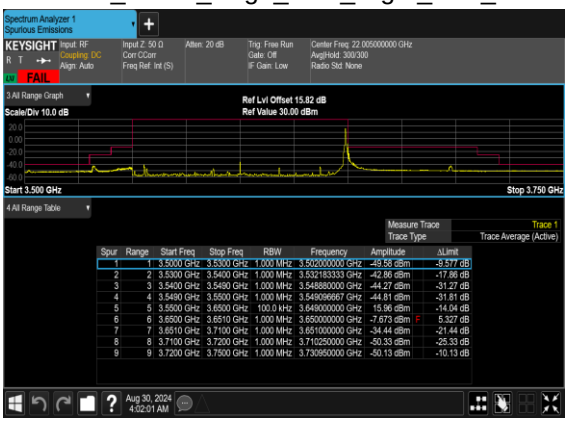

N48(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



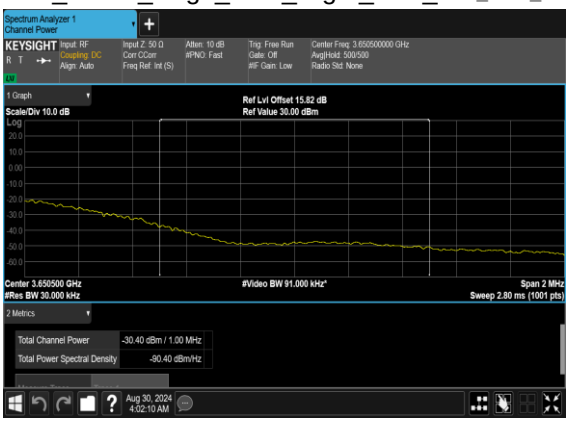

N48(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH_**CHP_PASS**



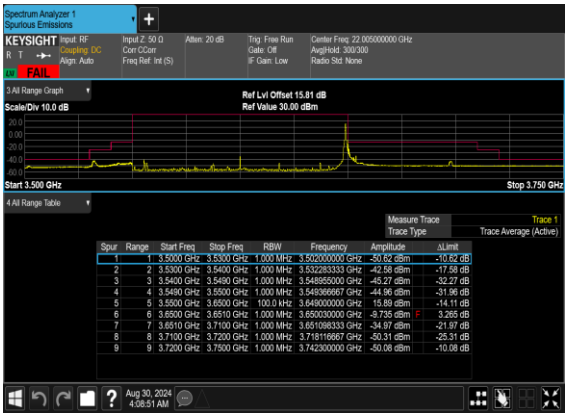
N48(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_Low_CH



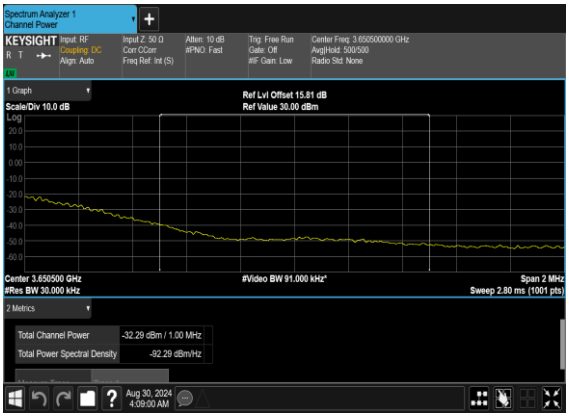

N48(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_Low_CH_**CHP_PASS**



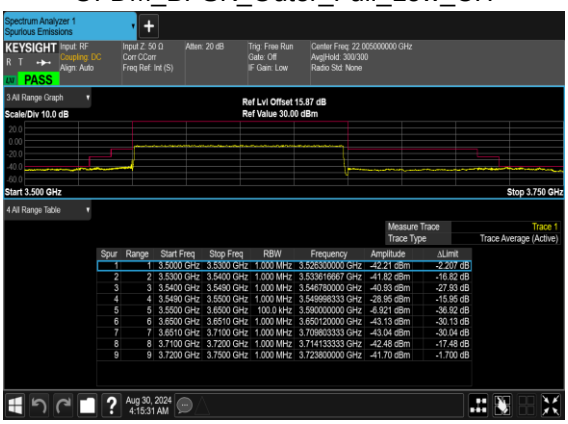

N48(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_Low_CH



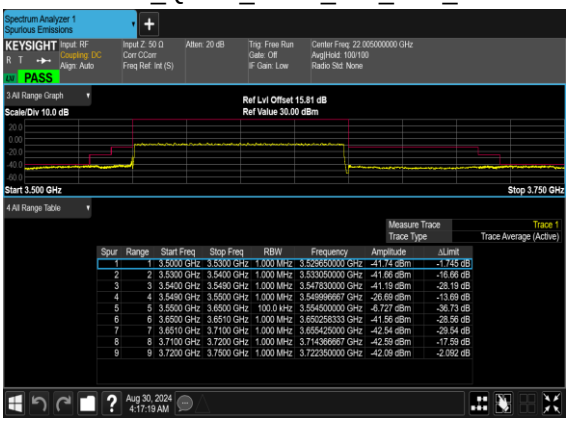

N48(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_Low_CH_**CHP_PASS**



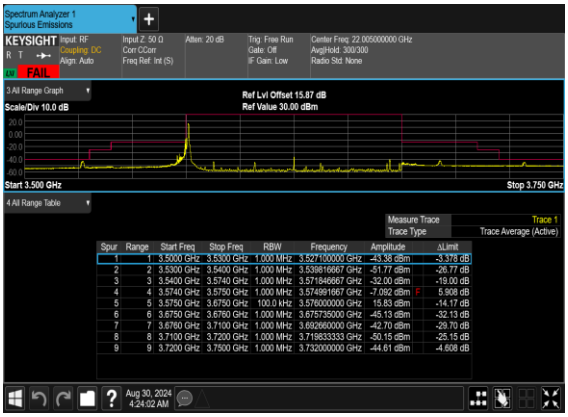
N48(100M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH




N48(100M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH

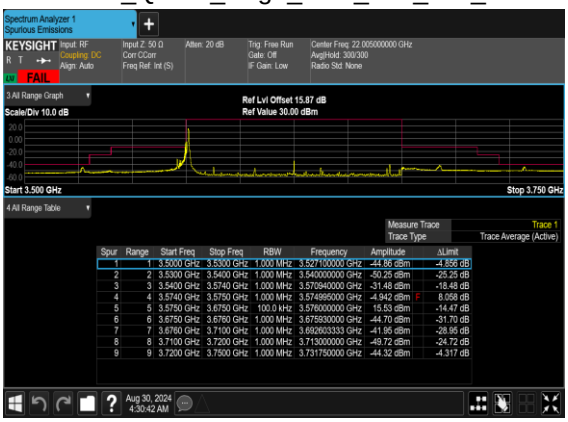



N48(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH

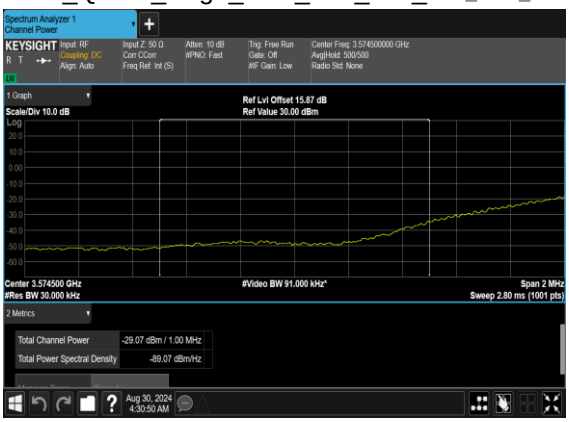



N48(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH_**CHP_PASS**

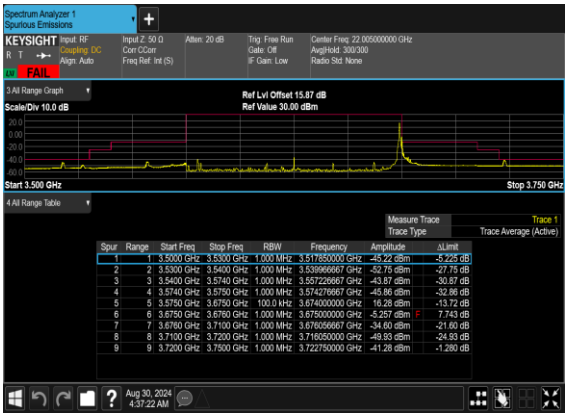
N48(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



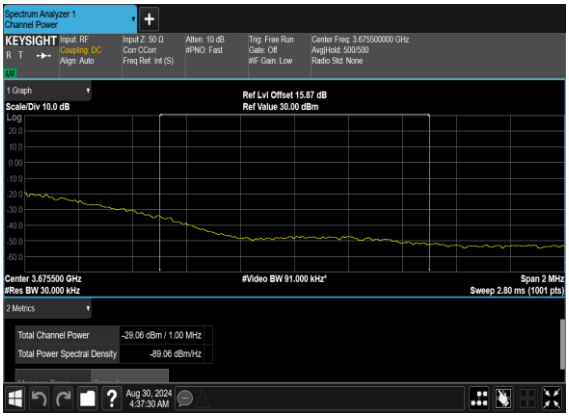

N48(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH_**CHP_PASS**



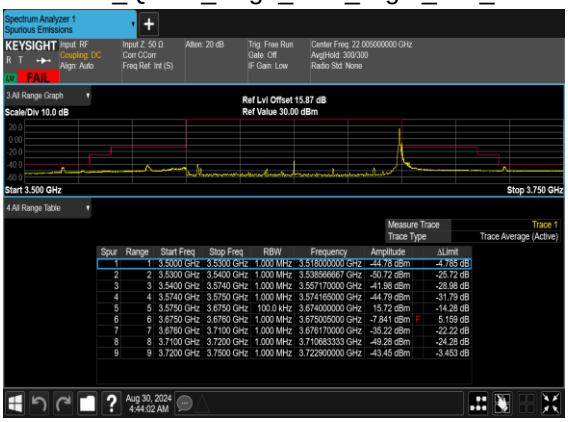

N48(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_Mid_CH



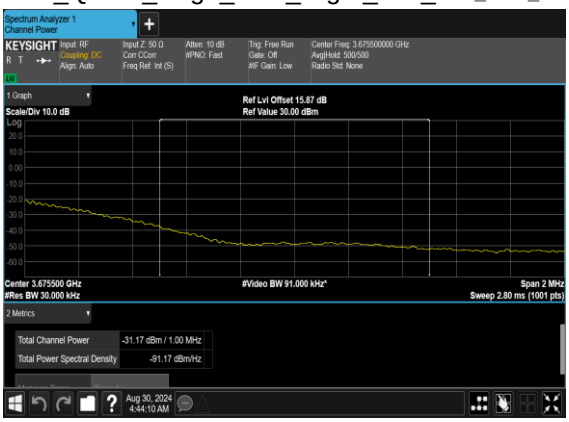

N48(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_Mid_CH_**CHP_PASS**



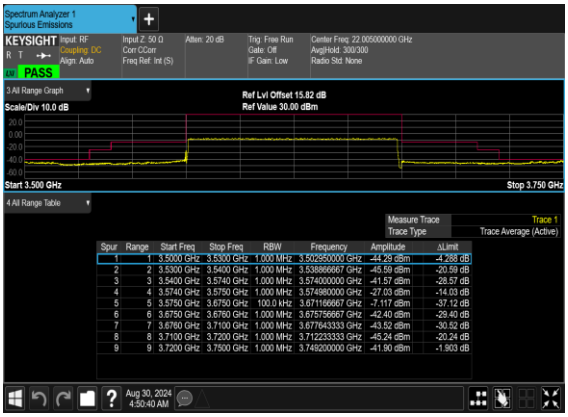
N48(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_Mid_CH



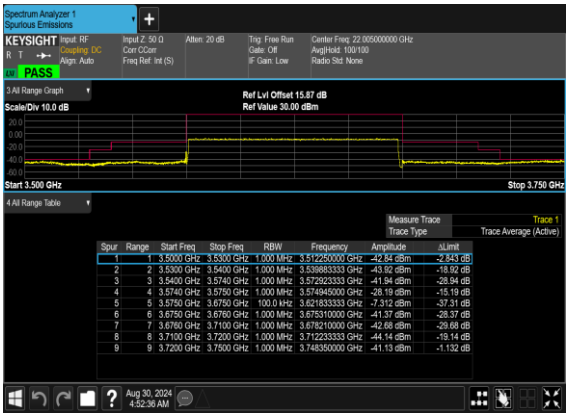

N48(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_Mid_CH_**CHP_PASS**



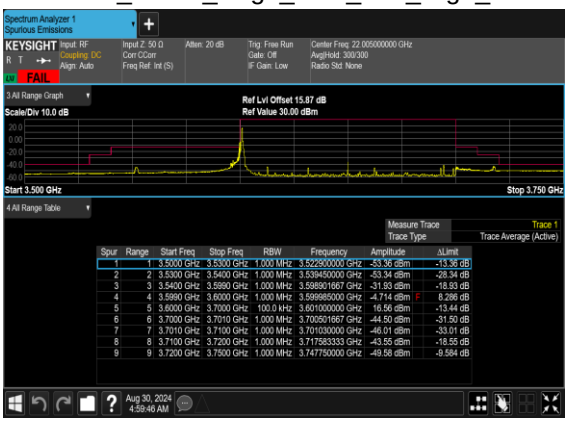

N48(100M)_DFT-s-OFDM_BPSK_Outer_Full_Mid_CH




N48(100M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH

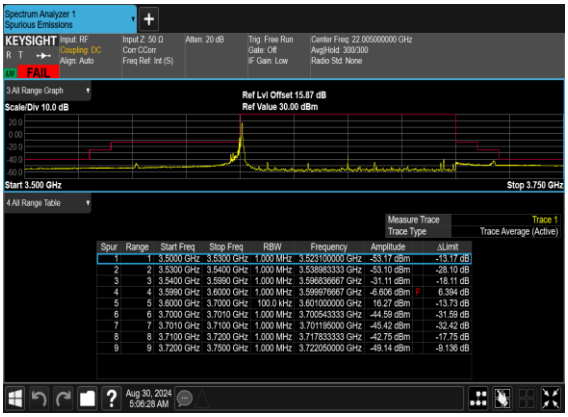


N48(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



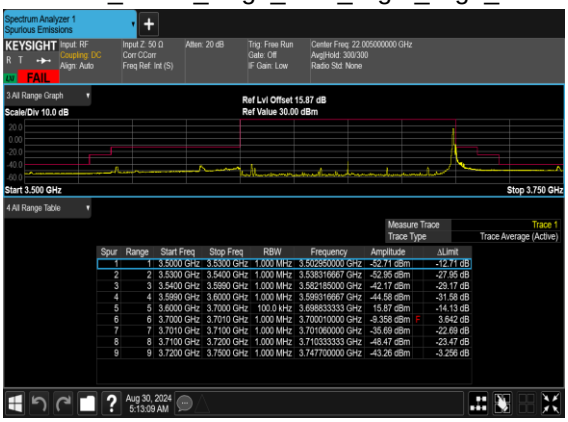

N48(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH_**CHP_PASS**


N48(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH

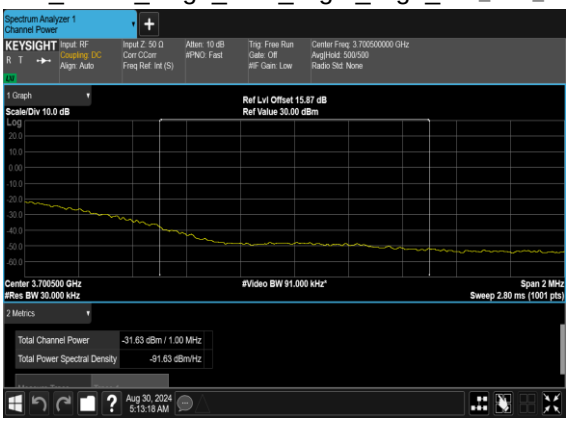



N48(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH_**CHP_PASS**

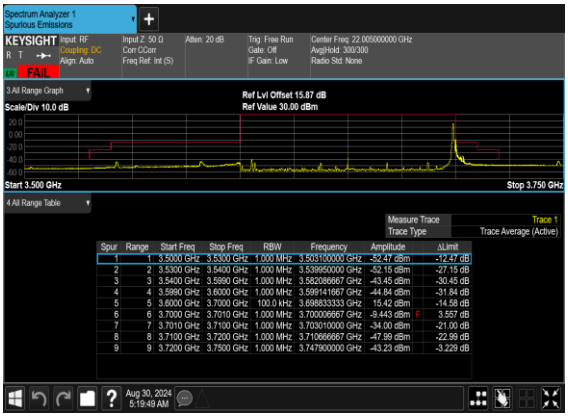
N48(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



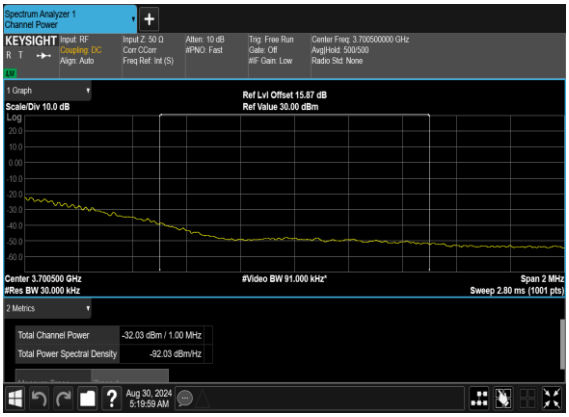

N48(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH_**CHP_PASS**



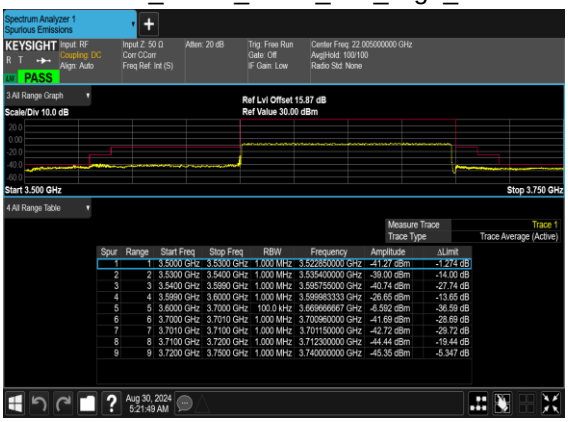

N48(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



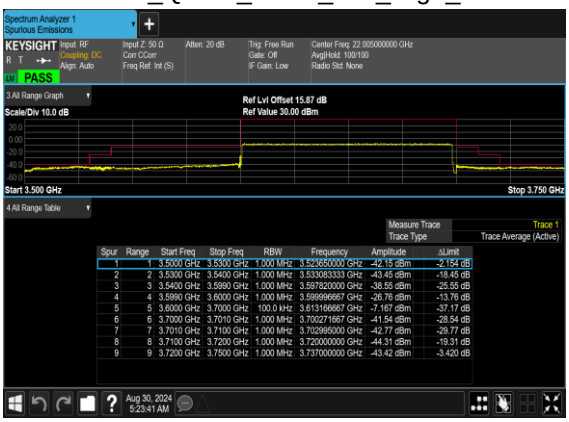

N48(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH_**CHP_PASS**



N48(100M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH




N48(100M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



# Appendix B. Test Results of Radiated Test

## Radiated Spurious Emission

| Test Engineer : | LiangPingZhou | Temperature : | 22~25℃ |
|---|---|---|---|
| | | Relative Humidity : | 48~52% |

| SA n48 / 100MHz / QPSK / ANT5 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Channel | Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Lowest | 7102.37 | -56.22 | -40 | -16.22 | -64.41 | -59.55 | 8.25 | 11.58 | H |
| | 10653.55 | -55.36 | -40 | -15.36 | -68.24 | -56.91 | 10.45 | 12.00 | H |
| | 14204.74 | -54.81 | -40 | -14.81 | -70.69 | -56.52 | 11.74 | 13.45 | H |
| | 7102.37 | -56.22 | -40 | -16.22 | -65.57 | -59.55 | 8.25 | 11.58 | V |
| | 10653.55 | -49.03 | -40 | -9.03 | -64.37 | -50.58 | 10.45 | 12.00 | V |
| | 14204.74 | -55.43 | -40 | -15.43 | -70.70 | -57.14 | 11.74 | 13.45 | V |
| Middle | 7152.35 | -55.84 | -40 | -15.84 | -64.24 | -59.14 | 8.30 | 11.60 | H |
| | 10728.52 | -54.75 | -40 | -14.75 | -67.93 | -56.27 | 10.48 | 12.00 | H |
| | 14304.70 | -54.43 | -40 | -14.43 | -70.45 | -56.13 | 11.80 | 13.50 | H |
| | 7152.35 | -55.62 | -40 | -15.62 | -65.66 | -58.92 | 8.30 | 11.60 | V |
| | 10728.52 | -50.63 | -40 | -10.63 | -66.33 | -52.15 | 10.48 | 12.00 | V |
| | 14304.70 | -54.82 | -40 | -14.82 | -70.31 | -56.52 | 11.80 | 13.50 | V |
| Highest | 7202.33 | -56.69 | -40 | -16.69 | -65.30 | -59.99 | 8.32 | 11.62 | H |
| | 10803.49 | -54.10 | -40 | -14.10 | -67.66 | -55.78 | 10.52 | 12.20 | H |
| | 14404.66 | -53.91 | -40 | -13.91 | -70.07 | -55.61 | 11.85 | 13.55 | H |
| | 7202.33 | -55.57 | -40 | -15.57 | -66.31 | -58.87 | 8.32 | 11.62 | V |
| | 10803.49 | -50.27 | -40 | -10.27 | -65.42 | -51.95 | 10.52 | 12.20 | V |
| | 14404.66 | -54.32 | -40 | -14.32 | -70.02 | -56.02 | 11.85 | 13.55 | V |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

| EN-DC_71A_n48A / LTE 20MHz + NR 100MHz / QPSK (ANT4+5) | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Channel | Frequency ( MHz ) | ERP/EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| NR n48 Lowest | 7102.36 | -59.04 | -40 | -19.04 | -64.77 | -62.37 | 8.25 | 11.58 | H |
| | 10653.54 | -56.12 | -40 | -16.12 | -68.69 | -57.67 | 10.45 | 12.00 | H |
| | 14204.72 | -51.61 | -40 | -11.61 | -68.07 | -53.32 | 11.74 | 13.45 | H |
| | 7102.36 | -58.66 | -40 | -18.66 | -64.8 | -61.99 | 8.25 | 11.58 | V |
| | 10653.54 | -56.45 | -40 | -16.45 | -68.56 | -58.00 | 10.45 | 12.00 | V |
| | 14204.72 | -52.17 | -40 | -12.17 | -68.18 | -53.88 | 11.74 | 13.45 | V |
| LTE B71 Lowest | 1352 | -65.04 | -13 | -52.04 | -75.25 | -68.27 | 3.98 | 9.36 | H |
| | 2028 | -64.85 | -13 | -51.85 | -76.23 | -68.40 | 4.85 | 10.55 | H |
| | 2704 | -62.69 | -13 | -49.69 | -78.04 | -67.62 | 5.50 | 12.58 | H |
| | 1352 | -65.08 | -13 | -52.08 | -74.90 | -68.31 | 3.98 | 9.36 | V |
| | 2028 | -65.35 | -13 | -52.35 | -76.62 | -68.90 | 4.85 | 10.55 | V |
| | 2704 | -62.84 | -13 | -49.84 | -78.23 | -67.77 | 5.50 | 12.58 | V |
| NR n48 Middle | 7152.34 | -59.06 | -40 | -19.06 | -64.93 | -62.36 | 8.30 | 11.60 | H |
| | 10728.51 | -55.67 | -40 | -15.67 | -68.54 | -57.19 | 10.48 | 12.00 | H |
| | 14304.68 | -50.92 | -40 | -10.92 | -67.83 | -52.62 | 11.80 | 13.50 | H |
| | 7152.34 | -58.88 | -40 | -18.88 | -65.14 | -62.18 | 8.30 | 11.60 | V |
| | 10728.51 | -55.78 | -40 | -15.78 | -68.22 | -57.30 | 10.48 | 12.00 | V |
| | 14304.68 | -51.60 | -40 | -11.60 | -68.00 | -53.30 | 11.80 | 13.50 | V |
| LTE B71 Middle | 1352 | -65.08 | -13 | -52.08 | -75.29 | -68.33 | 4.00 | 9.40 | H |
| | 2028 | -65.17 | -13 | -52.17 | -76.55 | -68.74 | 4.88 | 10.60 | H |
| | 2704 | -62.53 | -13 | -49.53 | -77.88 | -67.46 | 5.52 | 12.60 | H |
| | 1352 | -65.18 | -13 | -52.18 | -75.00 | -68.43 | 4.00 | 9.40 | V |
| | 2028 | -65.32 | -13 | -52.32 | -76.59 | -68.89 | 4.88 | 10.60 | V |
| | 2704 | -62.63 | -13 | -49.63 | -78.02 | -67.56 | 5.52 | 12.60 | V |
| NR n48 Highest | 7202.32 | -59.37 | -40 | -19.37 | -65.37 | -62.67 | 8.32 | 11.62 | H |
| | 10803.48 | -54.23 | -40 | -14.23 | -67.43 | -55.91 | 10.52 | 12.20 | H |
| | 14404.64 | -50.22 | -40 | -10.22 | -67.57 | -51.92 | 11.85 | 13.55 | H |
| | 7202.32 | -58.54 | -40 | -18.54 | -64.91 | -61.84 | 8.32 | 11.62 | V |
| | 10803.48 | -54.76 | -40 | -14.76 | -67.58 | -56.44 | 10.52 | 12.20 | V |
| | 14404.64 | -51.27 | -40 | -11.27 | -68.07 | -52.97 | 11.85 | 13.55 | V |
| LTE B71 Highest | 1352 | -64.83 | -13 | -51.83 | -75.04 | -68.00 | 4.10 | 9.42 | H |
| | 2028 | -65.05 | -13 | -52.05 | -76.43 | -68.63 | 4.90 | 10.63 | H |
| | 2704 | -62.77 | -13 | -49.77 | -78.12 | -67.69 | 5.55 | 12.62 | H |
| | 1352 | -65.08 | -13 | -52.08 | -74.90 | -68.25 | 4.10 | 9.42 | V |
| | 2028 | -65.10 | -13 | -52.10 | -76.37 | -68.68 | 4.90 | 10.63 | V |
| | 2704 | -62.63 | -13 | -49.63 | -78.02 | -67.55 | 5.55 | 12.62 | V |