

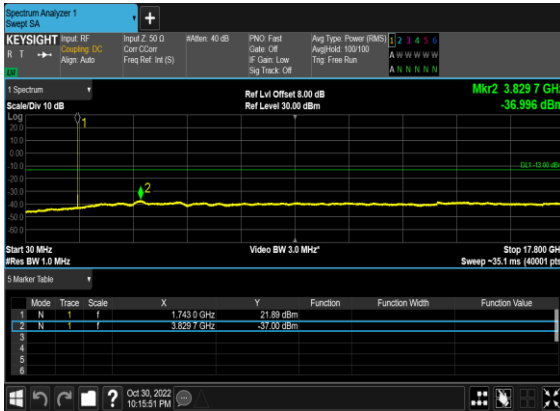
N66(5M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



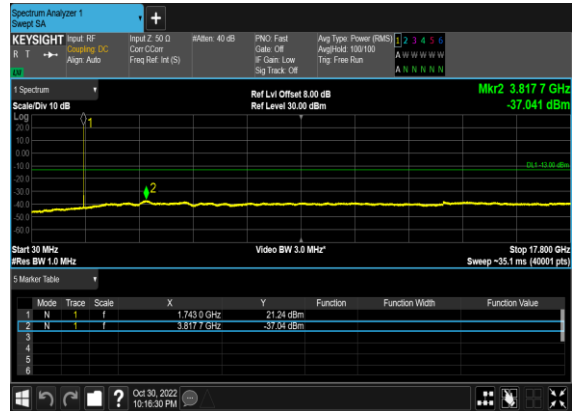
N66(5M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



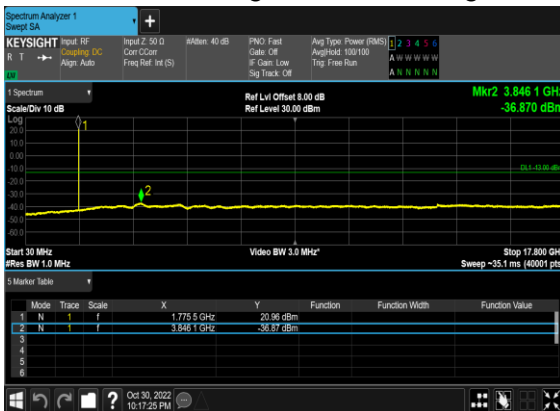
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OFDM_BPSK_Edge_1RB_Left_Mid_CH



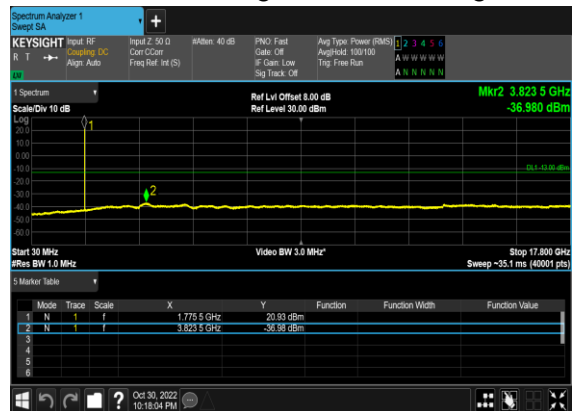
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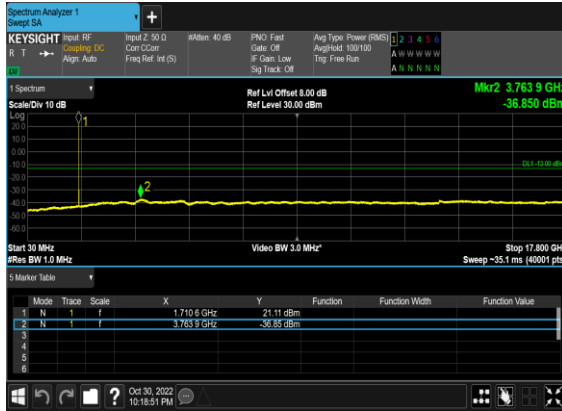
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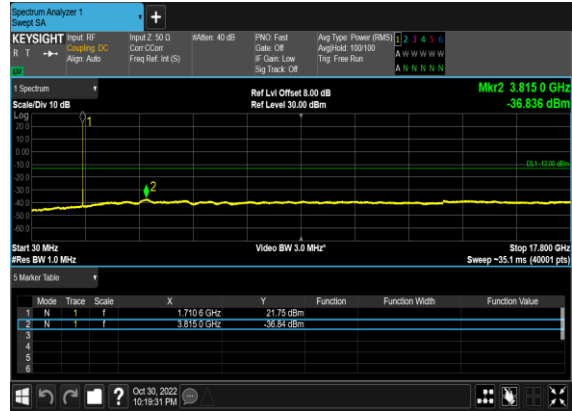
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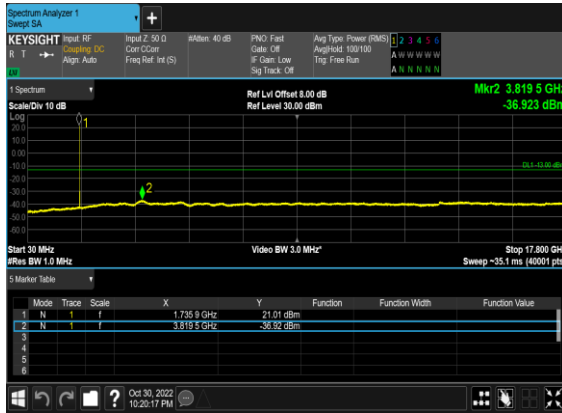
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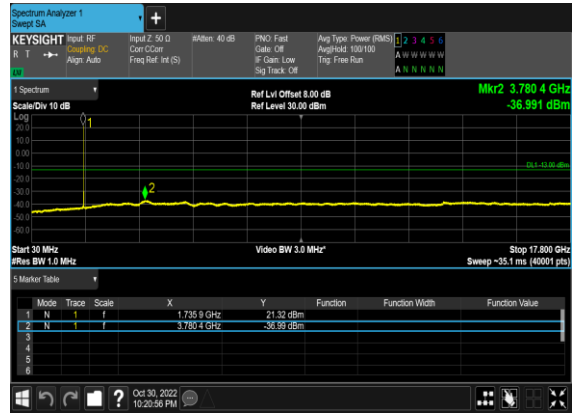
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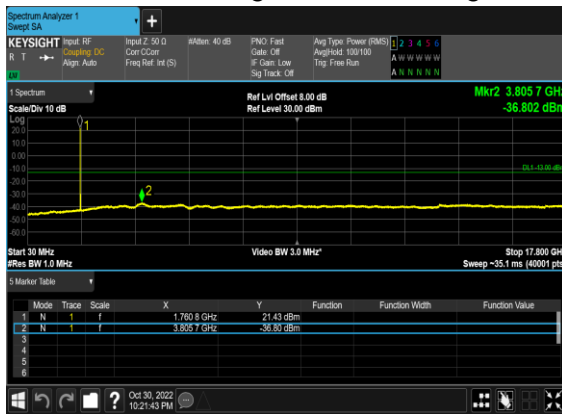
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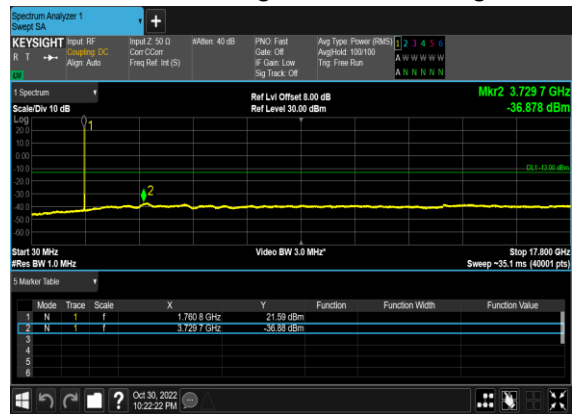
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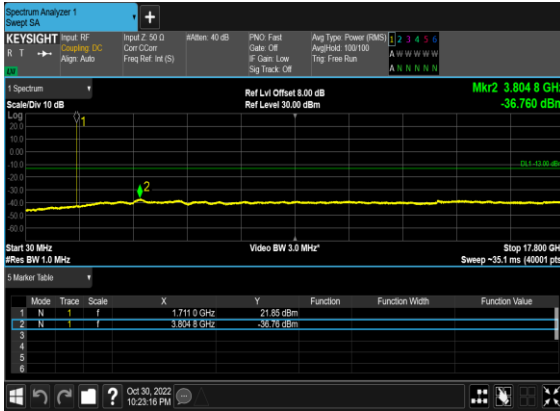
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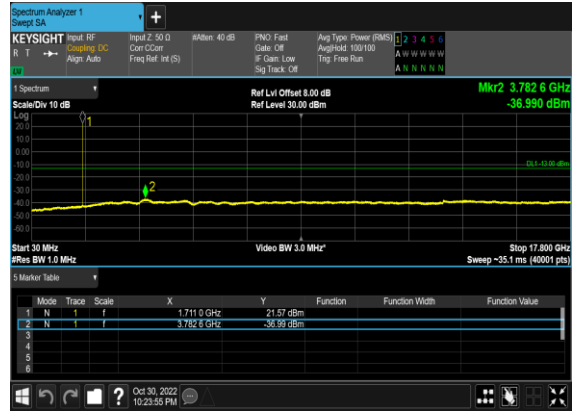
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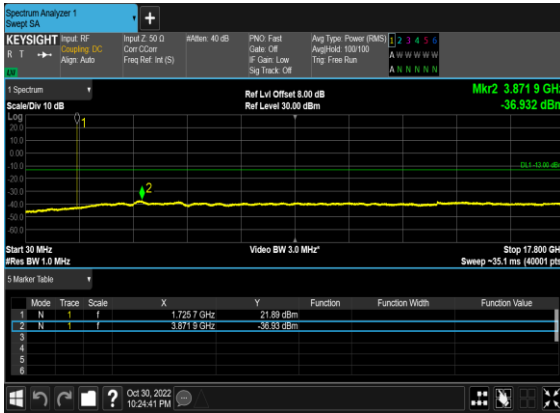
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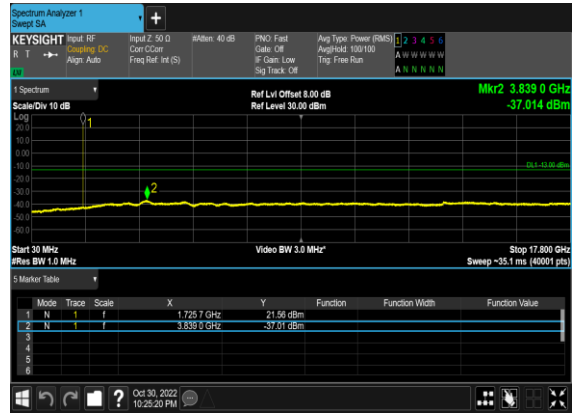
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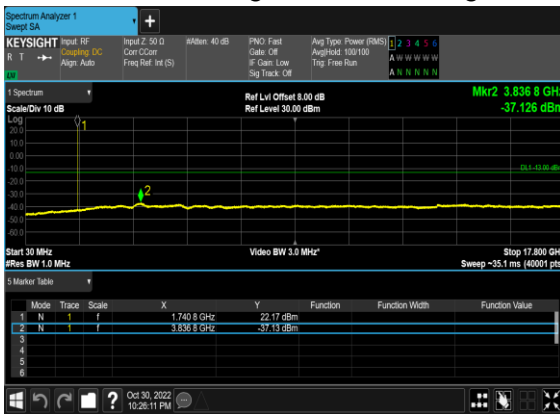
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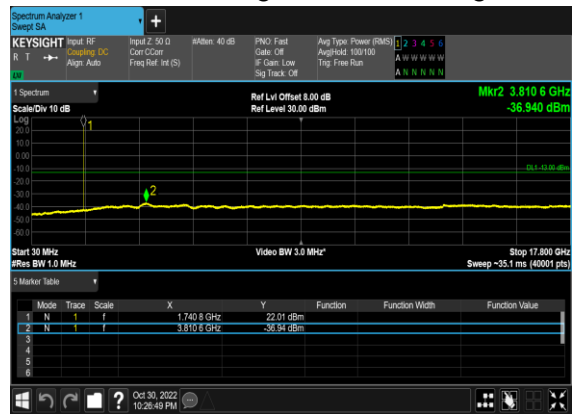
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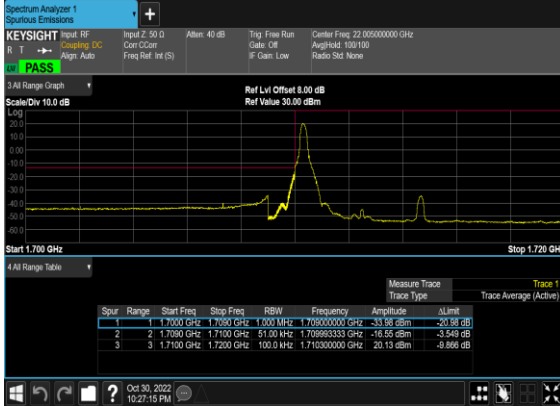
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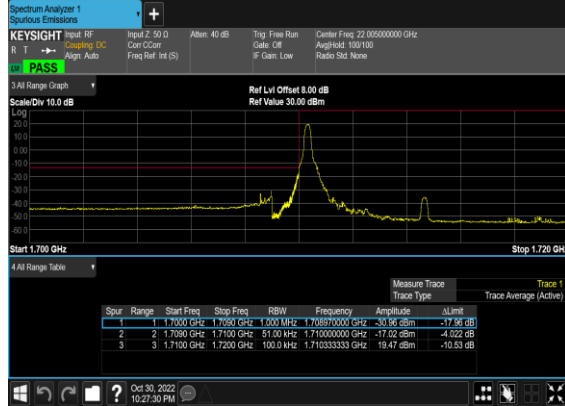
Conducted Band Edge

| NR Band | SCS (kHz) | Bandwidth (MHz) | Arfcn | Freq (MHz) | Modulation | RB | Result | Verdict |
|---------|-----------|-----------------|--------|------------|-----------------|-------|-----------|---------|
| 66 | 15 | 5 | 342500 | 1712.5 | DFT-s-OFDM BPSK | 1@0 | see graph | PASS |
| 66 | 15 | 5 | 342500 | 1712.5 | DFT-s-OFDM QPSK | 1@0 | see graph | PASS |
| 66 | 15 | 5 | 342500 | 1712.5 | DFT-s-OFDM BPSK | 25@0 | see graph | PASS |
| 66 | 15 | 5 | 342500 | 1712.5 | DFT-s-OFDM QPSK | 25@0 | see graph | PASS |
| 66 | 15 | 5 | 355500 | 1777.5 | DFT-s-OFDM BPSK | 1@24 | see graph | PASS |
| 66 | 15 | 5 | 355500 | 1777.5 | DFT-s-OFDM QPSK | 1@24 | see graph | PASS |
| 66 | 15 | 5 | 355500 | 1777.5 | DFT-s-OFDM BPSK | 25@0 | see graph | PASS |
| 66 | 15 | 5 | 355500 | 1777.5 | DFT-s-OFDM QPSK | 25@0 | see graph | PASS |
| 66 | 15 | 20 | 344000 | 1720.0 | DFT-s-OFDM BPSK | 1@0 | see graph | PASS |
| 66 | 15 | 20 | 344000 | 1720.0 | DFT-s-OFDM QPSK | 1@0 | see graph | PASS |
| 66 | 15 | 20 | 344000 | 1720.0 | DFT-s-OFDM BPSK | 100@0 | see graph | PASS |
| 66 | 15 | 20 | 344000 | 1720.0 | DFT-s-OFDM QPSK | 100@0 | see graph | PASS |
| 66 | 15 | 20 | 354000 | 1770.0 | DFT-s-OFDM BPSK | 1@105 | see graph | PASS |
| 66 | 15 | 20 | 354000 | 1770.0 | DFT-s-OFDM QPSK | 1@105 | see graph | PASS |
| 66 | 15 | 20 | 354000 | 1770.0 | DFT-s-OFDM BPSK | 100@0 | see graph | PASS |
| 66 | 15 | 20 | 354000 | 1770.0 | DFT-s-OFDM QPSK | 100@0 | see graph | PASS |
| 66 | 15 | 40 | 346000 | 1730.0 | DFT-s-OFDM BPSK | 1@0 | see graph | PASS |
| 66 | 15 | 40 | 346000 | 1730.0 | DFT-s-OFDM QPSK | 1@0 | see graph | PASS |
| 66 | 15 | 40 | 346000 | 1730.0 | DFT-s-OFDM BPSK | 216@0 | see graph | PASS |
| 66 | 15 | 40 | 346000 | 1730.0 | DFT-s-OFDM QPSK | 216@0 | see graph | PASS |
| 66 | 15 | 40 | 352000 | 1760.0 | DFT-s-OFDM BPSK | 1@215 | see graph | PASS |
| 66 | 15 | 40 | 352000 | 1760.0 | DFT-s-OFDM QPSK | 1@215 | see graph | PASS |
| 66 | 15 | 40 | 352000 | 1760.0 | DFT-s-OFDM BPSK | 216@0 | see graph | PASS |
| 66 | 15 | 40 | 352000 | 1760.0 | DFT-s-OFDM QPSK | 216@0 | see graph | PASS |

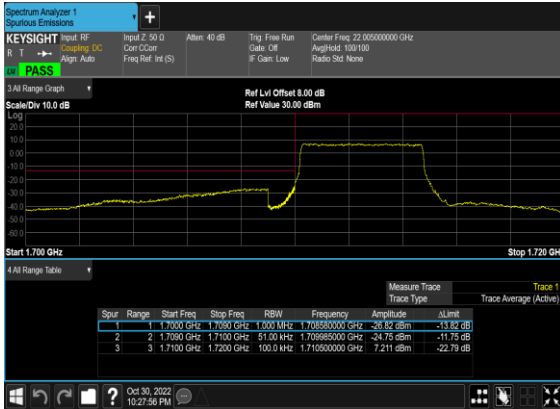
N66(5M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



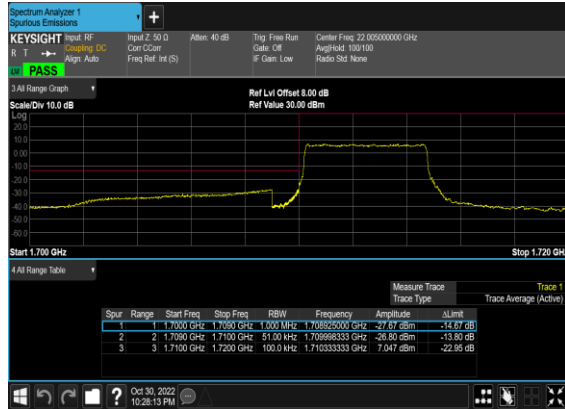
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OFDM_QPSK_Edge_1RB_Left_Low_CH



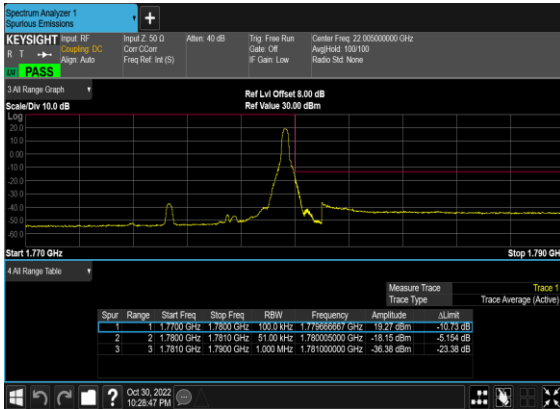
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OFDM_BPSK_Outer_Full_Low_CH



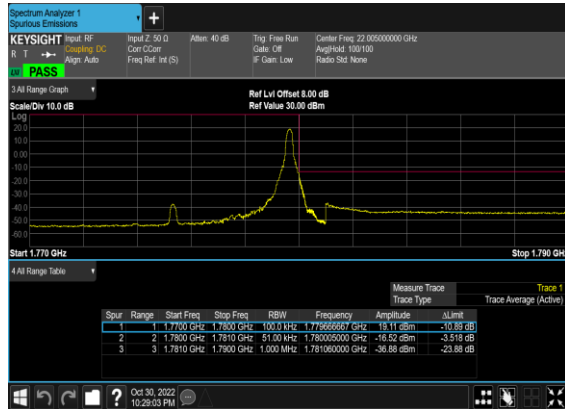
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OFDM_QPSK_Outer_Full_Low_CH



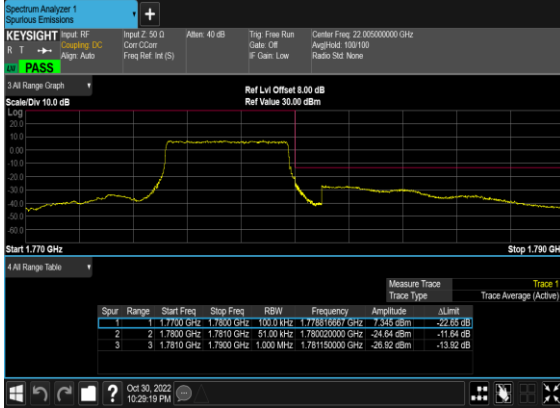
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OFDM_BPSK_Edge_1RB_Right_High_CH



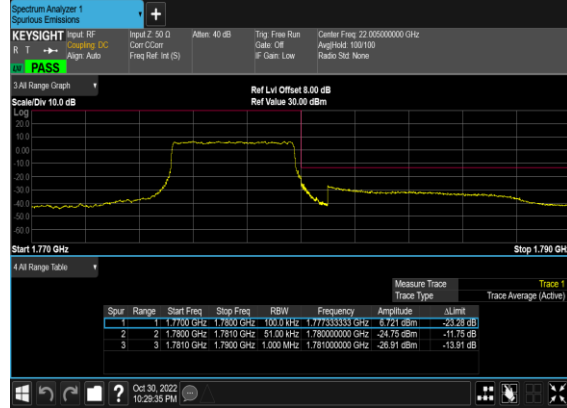
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OFDM_QPSK_Edge_1RB_Right_High_CH



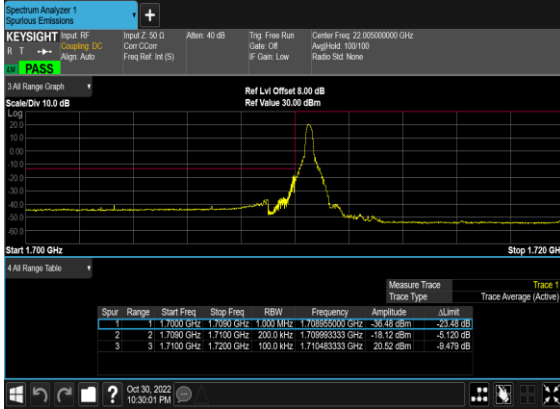
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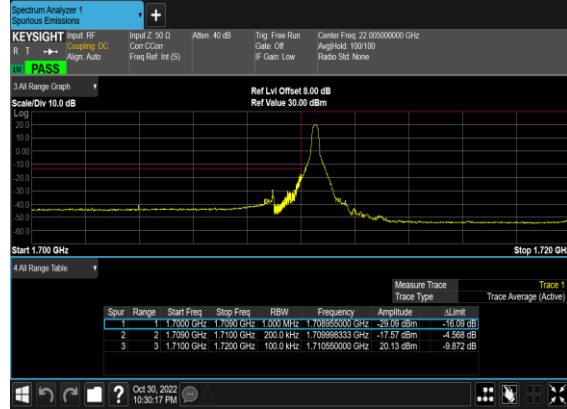
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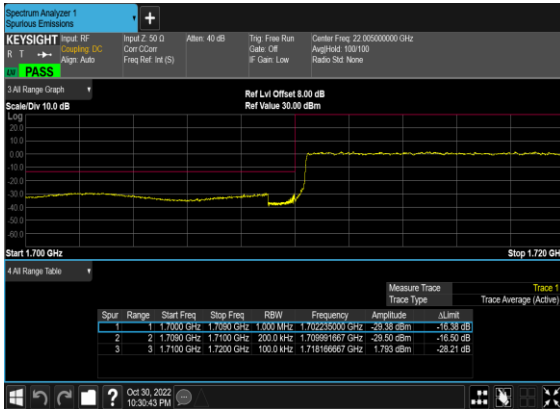
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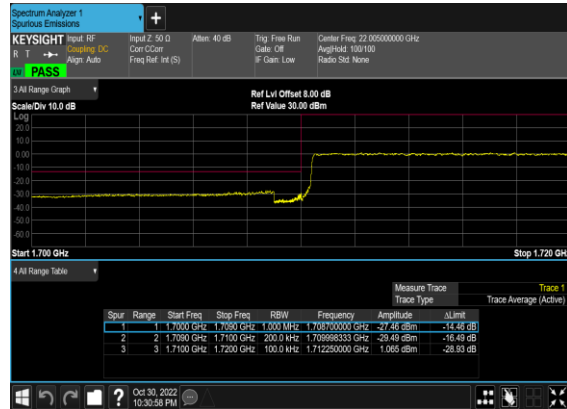
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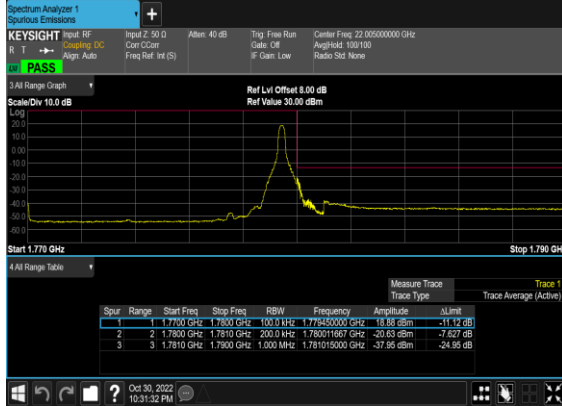
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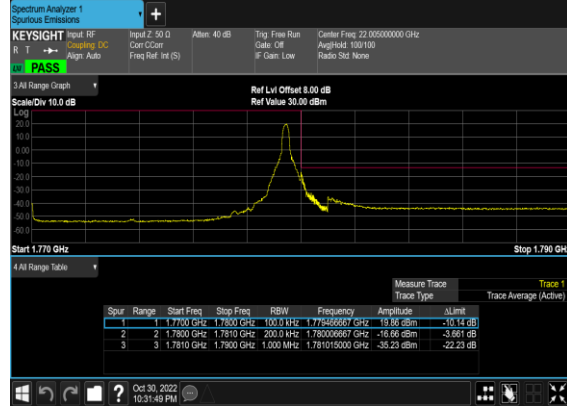
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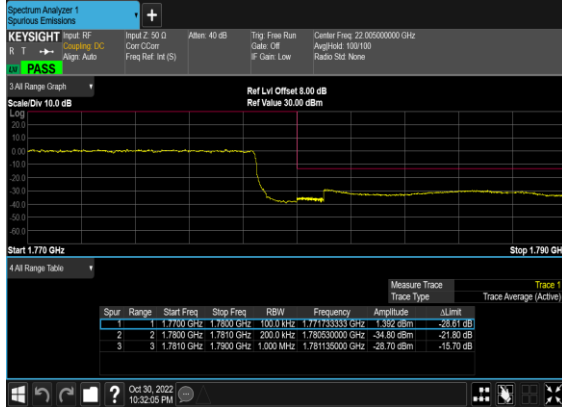
N66(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



N66(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



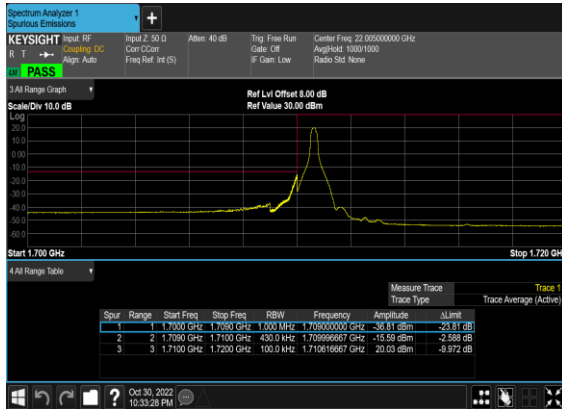
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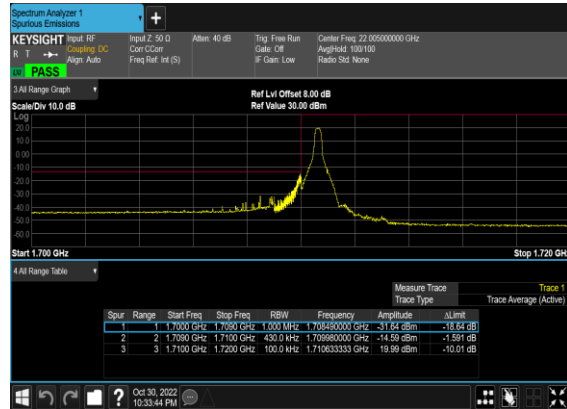
N66(20M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH



N66(40M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



N66(40M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



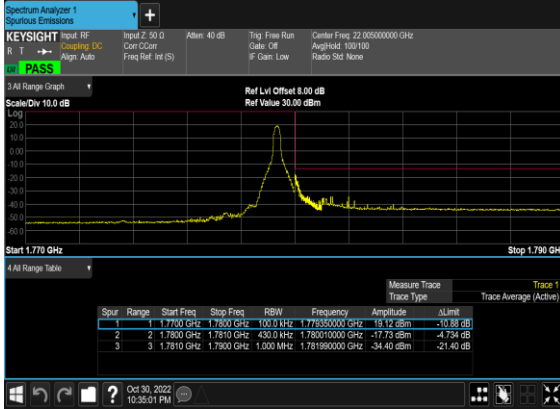
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OFDM_BPSK_Outer_Full_Low_CH



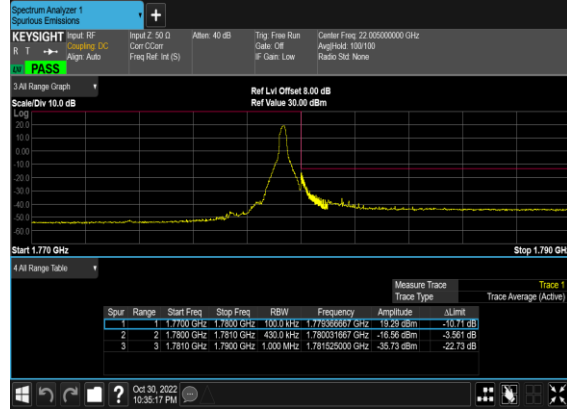
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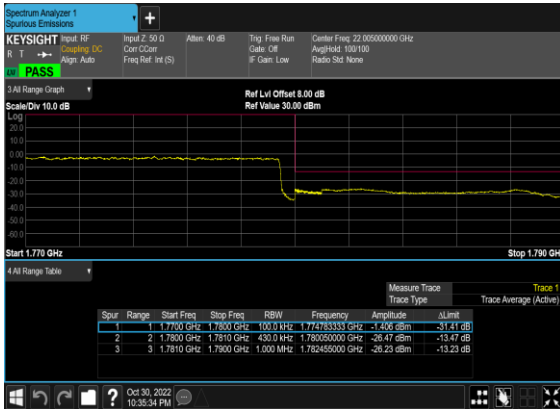
N66(40M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



N66(40M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



N66(40M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH



N66(40M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH





Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

| | | | |
|-----------------|-----------|---------------------|---------|
| Test Engineer : | WenboXiao | Temperature : | 22~25°C |
| | | Relative Humidity : | 48~52% |

Note: Pre-scanned harmonic for the different antenna combinations, we choose the worst antenna mode to perform final test.

| SA n12 / NR 15MHz / QPSK DFT-s-OFDM / ANT0 | | | | | | | | | |
|--|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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) |
| Middle | 1401 | -56.47 | -13 | -43.47 | -64.49 | -59.72 | 4.00 | 9.40 | H |
| | 2101.5 | -44.44 | -13 | -31.44 | -53.98 | -48.01 | 4.88 | 10.60 | H |
| | 2802 | -63.56 | -13 | -50.56 | -75.40 | -68.49 | 5.52 | 12.60 | H |
| | 1401 | -60.54 | -13 | -47.54 | -68.63 | -63.79 | 4.00 | 9.40 | V |
| | 2101.5 | -49.54 | -13 | -36.54 | -59.45 | -53.11 | 4.88 | 10.60 | V |
| | 2802 | -63.55 | -13 | -50.55 | -75.62 | -68.48 | 5.52 | 12.60 | V |

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

| EN-DC_66A_n12A / LTE 20MHz + NR 15MHz / QPSK ANT1(LTE) & ANT0 (NR) | | | | | | | | | |
|--|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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) |
| NR n12 Middle | 1401 | -59.01 | -13 | -46.01 | -67.03 | -62.26 | 4.00 | 9.40 | H |
| | 2101 | -52.11 | -13 | -39.11 | -61.64 | -55.68 | 4.88 | 10.60 | H |
| | 2803 | -63.33 | -13 | -50.33 | -75.17 | -68.26 | 5.52 | 12.60 | H |
| | 1402 | -59.67 | -13 | -46.67 | -67.75 | -62.92 | 4.00 | 9.40 | V |
| | 2101 | -48.98 | -13 | -35.98 | -58.88 | -52.55 | 4.88 | 10.60 | V |
| | 2803 | -62.83 | -13 | -49.83 | -74.91 | -67.76 | 5.52 | 12.60 | V |
| LTE Band66 Middle | 3472 | -63.74 | -13 | -50.74 | -76.35 | -70.59 | 5.65 | 12.50 | H |
| | 5208 | -61.68 | -13 | -48.68 | -78.82 | -67.35 | 7.13 | 12.80 | H |
| | 6944 | -58.48 | -13 | -45.48 | -79.08 | -61.88 | 8.40 | 11.80 | H |
| | 3472 | -63.17 | -13 | -50.17 | -76.33 | -70.02 | 5.65 | 12.50 | V |
| | 5208 | -61.49 | -13 | -48.49 | -78.58 | -67.16 | 7.13 | 12.80 | V |
| | 6944 | -58.63 | -13 | -45.63 | -79.28 | -62.03 | 8.40 | 11.80 | V |

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



| SA n25 / NR 20MHz / QPSK DFT-s-OFDM / ANT1 | | | | | | | | | |
|--|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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) |
| Middle | 3746.5 | -62.25 | -13 | -49.25 | -76.68 | -69.00 | 5.85 | 12.60 | H |
| | 5619.75 | -58.95 | -13 | -45.95 | -75.79 | -64.75 | 7.30 | 13.10 | H |
| | 7493 | -56.33 | -13 | -43.33 | -78.68 | -59.48 | 8.35 | 11.50 | H |
| | 3746.5 | -61.42 | -13 | -48.42 | -76.06 | -68.17 | 5.85 | 12.60 | V |
| | 5619.75 | -58.29 | -13 | -45.29 | -75.04 | -64.09 | 7.30 | 13.10 | V |
| | 7493 | -54.86 | -13 | -41.86 | -77.13 | -58.01 | 8.35 | 11.50 | V |

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

| EN-DC_66A_n25A / LTE 20MHz + NR 20MHz / QPSK ANT2(LTE) & ANT1 (NR) | | | | | | | | | |
|--|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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) |
| NR n25 Middle | 3746.5 | -61.51 | -13 | -48.51 | -75.94 | -68.26 | 5.85 | 12.60 | H |
| | 5619.75 | -59.36 | -13 | -46.36 | -76.20 | -65.16 | 7.30 | 13.10 | H |
| | 7493 | -56.28 | -13 | -43.28 | -78.63 | -59.43 | 8.35 | 11.50 | H |
| | 3746.5 | -61.61 | -13 | -48.61 | -76.25 | -68.36 | 5.85 | 12.60 | V |
| | 5619.75 | -57.08 | -13 | -44.08 | -73.83 | -62.88 | 7.30 | 13.10 | V |
| | 7493 | -55.80 | -13 | -42.80 | -78.07 | -58.95 | 8.35 | 11.50 | V |
| LTE Band66 Middle | 3472 | -63.93 | -13 | -50.93 | -76.54 | -70.78 | 5.65 | 12.50 | H |
| | 5208 | -61.30 | -13 | -48.30 | -78.44 | -66.97 | 7.13 | 12.80 | H |
| | 6944 | -58.33 | -13 | -45.33 | -78.93 | -61.73 | 8.40 | 11.80 | H |
| | 3492 | -63.01 | -13 | -50.01 | -76.39 | -69.86 | 5.65 | 12.50 | V |
| | 5238 | -61.93 | -13 | -48.93 | -78.6 | -67.60 | 7.13 | 12.80 | V |
| | 6984 | -58.06 | -13 | -45.06 | -79.01 | -61.46 | 8.40 | 11.80 | V |

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

| SA n26 / NR 20MHz / QPSK DFT-s-OFDM / ANT1 | | | | | | | | | |
|--|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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) |
| Middle | 1630 | -55.60 | -13 | -42.60 | -61.74 | -58.85 | 4.00 | 9.40 | H |
| | 2445 | -37.58 | -13 | -24.58 | -47.89 | -41.15 | 4.88 | 10.60 | H |
| | 3260 | -63.85 | -13 | -50.85 | -76.37 | -68.78 | 5.52 | 12.60 | H |
| | 1630 | -52.79 | -13 | -39.79 | -58.96 | -56.04 | 4.00 | 9.40 | V |
| | 2445 | -34.90 | -13 | -21.90 | -45.60 | -38.47 | 4.88 | 10.60 | V |
| | 3260 | -63.22 | -13 | -50.22 | -76.25 | -68.15 | 5.52 | 12.60 | V |

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



| SA n66 / NR 40MHz / QPSK DFT-s-OFDM / ANT2 | | | | | | | | | |
|--|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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) |
| Middle | 3451.48 | -63.80 | -13 | -50.80 | -76.18 | -70.65 | 5.65 | 12.50 | H |
| | 5177.22 | -61.58 | -13 | -48.58 | -78.86 | -67.25 | 7.13 | 12.80 | H |
| | 6902.96 | -58.17 | -13 | -45.17 | -78.57 | -61.57 | 8.40 | 11.80 | H |
| | 3451.48 | -63.16 | -13 | -50.16 | -76.1 | -70.01 | 5.65 | 12.50 | V |
| | 5177.22 | -61.84 | -13 | -48.84 | -79.06 | -67.51 | 7.13 | 12.80 | V |
| | 6902.96 | -57.96 | -13 | -44.96 | -78.29 | -61.36 | 8.40 | 11.80 | V |

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

| EN-DC_48_n66A / LTE 20MHz + NR 40MHz / QPSK ANT23(LTE) & ANT12(NR) | | | | | | | | | |
|--|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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) |
| NR n66 Middle | 3451.48 | -57.69 | -13 | -44.69 | -49.73 | -64.54 | 5.65 | 12.50 | H |
| | 5177.22 | -47.38 | -13 | -34.38 | -44.87 | -53.05 | 7.13 | 12.80 | H |
| | 6902.96 | -60.81 | -13 | -47.81 | -60.70 | -64.21 | 8.40 | 11.80 | H |
| | 3451.48 | -61.07 | -13 | -48.07 | -53.67 | -67.92 | 5.65 | 12.50 | V |
| | 5177.22 | -49.11 | -13 | -36.11 | -46.54 | -54.78 | 7.13 | 12.80 | V |
| | 6902.96 | -58.11 | -13 | -45.11 | -57.93 | -61.51 | 8.40 | 11.80 | V |
| LTE Band48 Middle | 7232.00 | -59.67 | -40 | -19.67 | -61.11 | -62.97 | 8.30 | 11.60 | H |
| | 10848.00 | -51.24 | -40 | -11.24 | -59.01 | -52.76 | 10.48 | 12.00 | H |
| | 14464.00 | -52.27 | -40 | -12.27 | -64.99 | -53.97 | 11.80 | 13.50 | H |
| | 7232.00 | -59.77 | -40 | -19.77 | -61.25 | -63.07 | 8.30 | 11.60 | V |
| | 10848.00 | -44.42 | -40 | -4.42 | -51.95 | -45.94 | 10.48 | 12.00 | V |
| | 14464.00 | -52.40 | -40 | -12.40 | -64.91 | -54.10 | 11.80 | 13.50 | V |

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