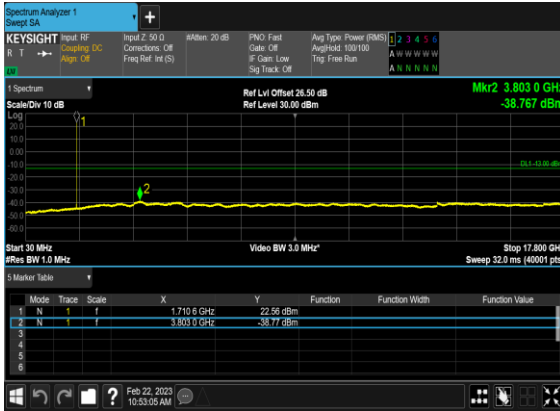
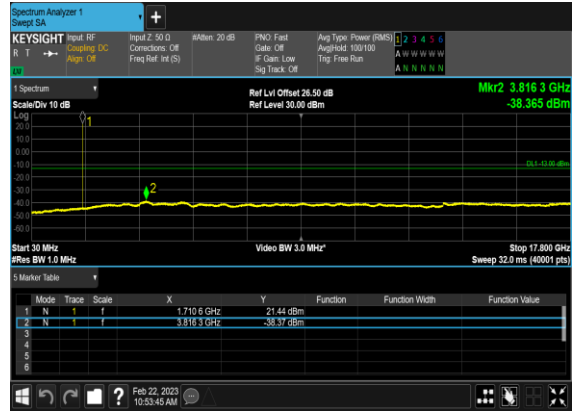


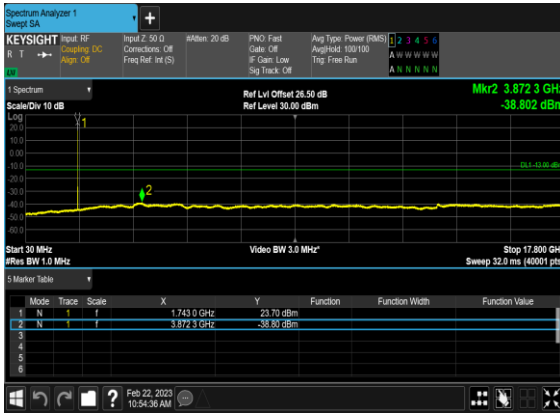
B5_N66(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



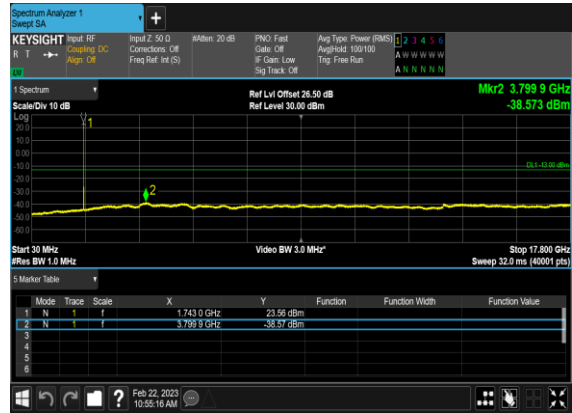
B5_N66(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



B5_N66(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



B5_N66(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



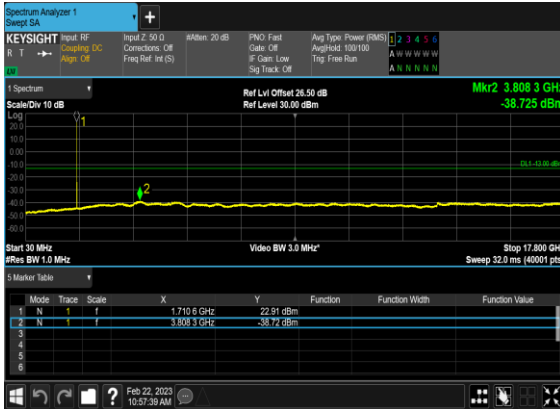
B5_N66(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



B5_N66(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



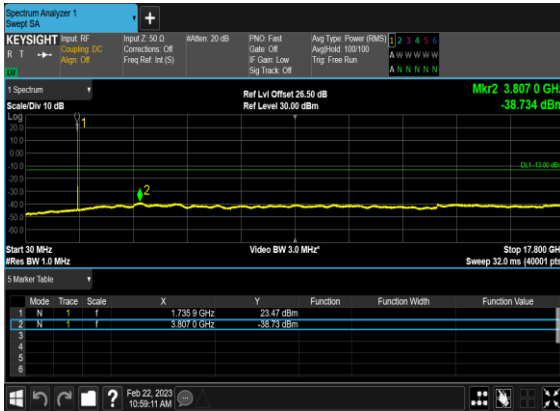
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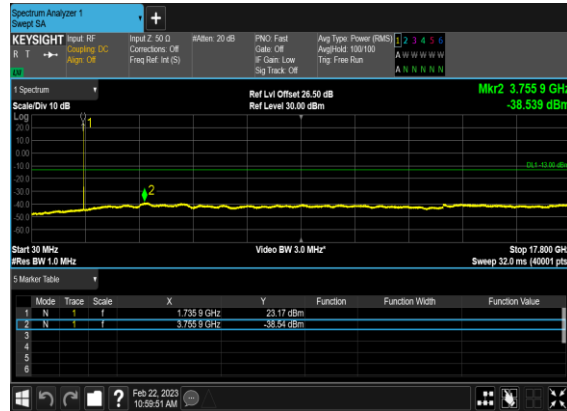
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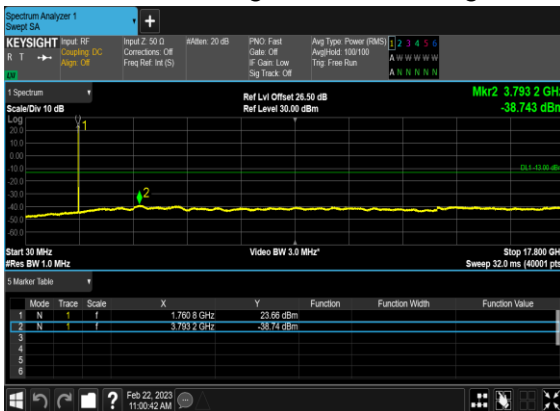
B5_N66(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



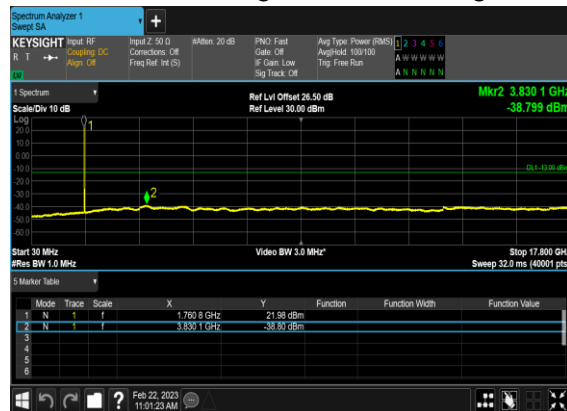
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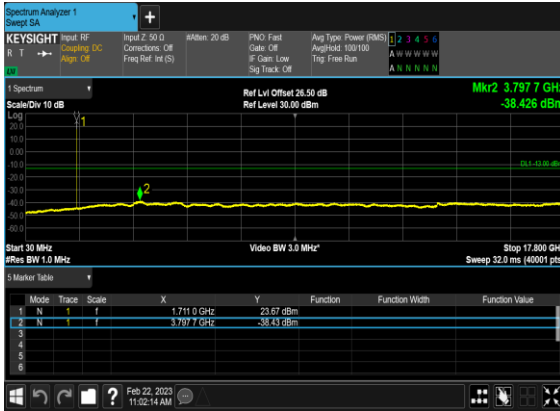
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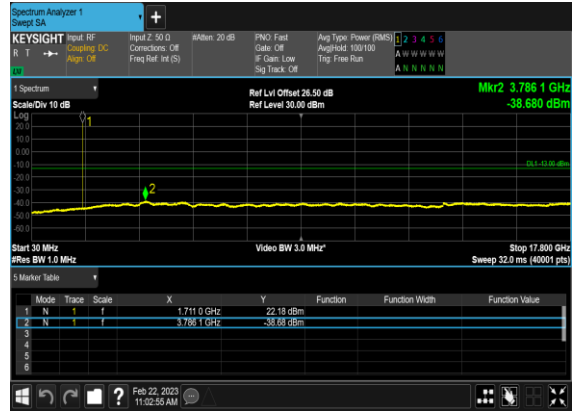
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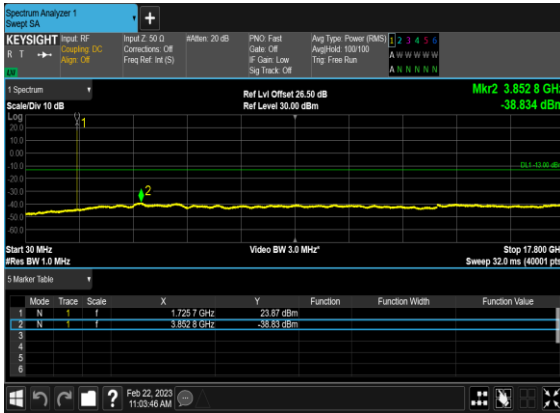
B5_N66(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



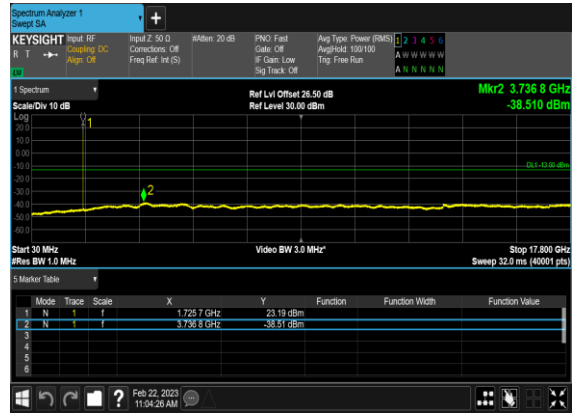
B5_N66(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



B5_N66(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



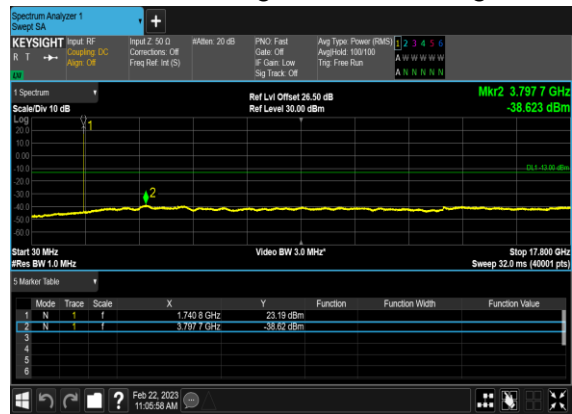
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B5_N66(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



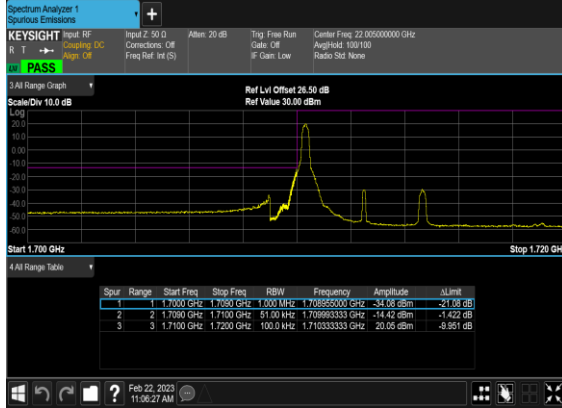
B5_N66(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



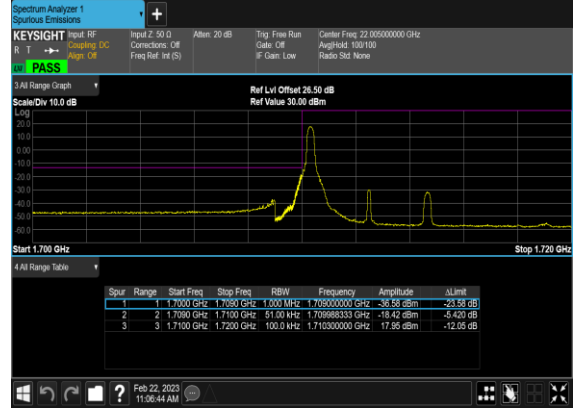
Conducted Band Edge

| 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 |

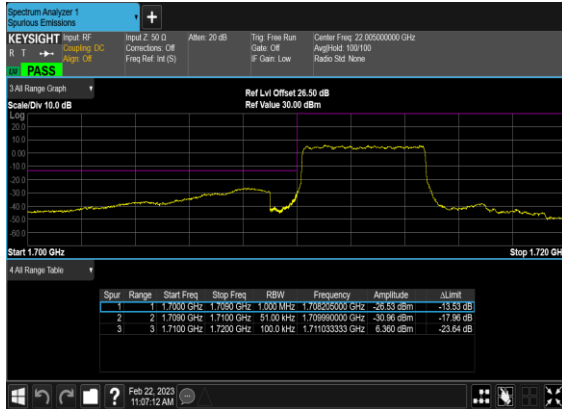
B5_N66(5M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



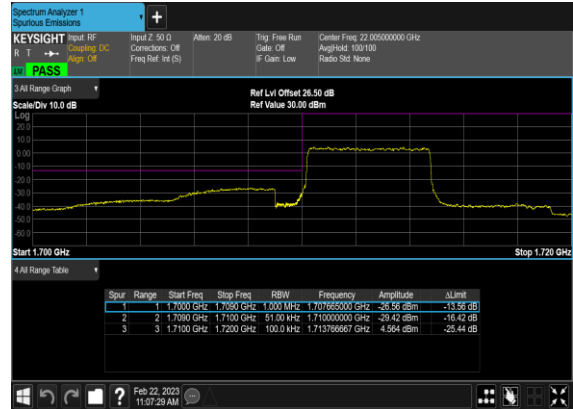
B5_N66(5M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



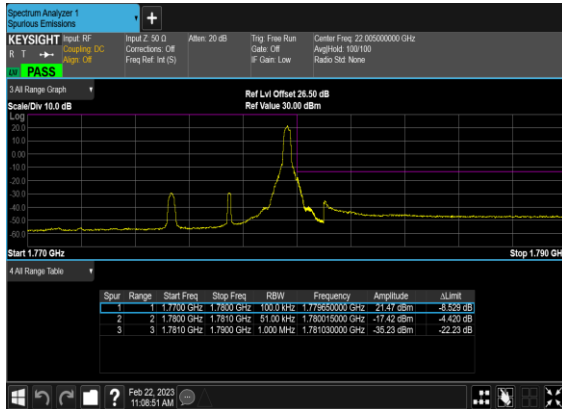
B5_N66(5M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH



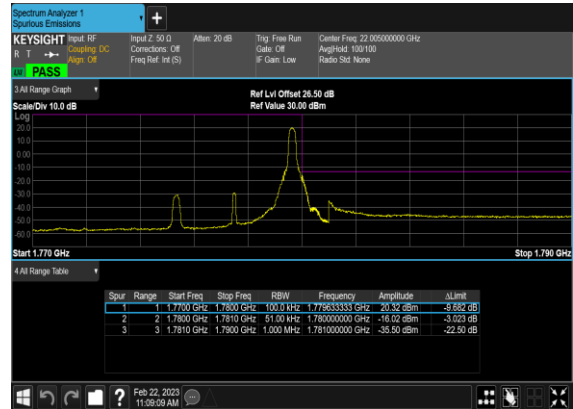
B5_N66(5M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH



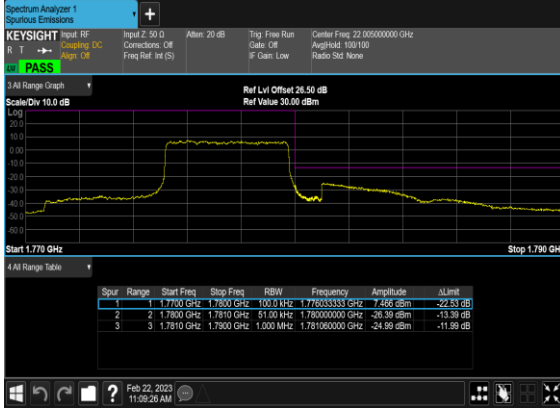
B5_N66(5M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



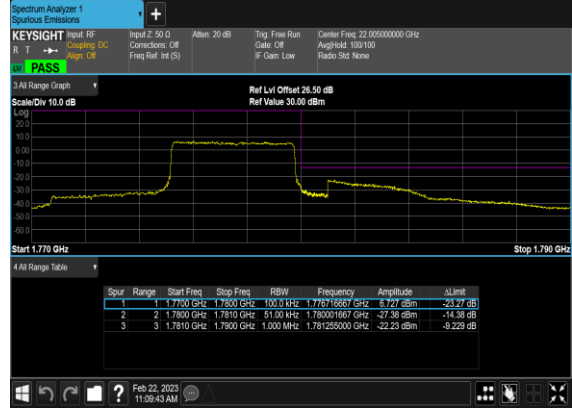
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OFDM_QPSK_Edge_1RB_Right_High_CH



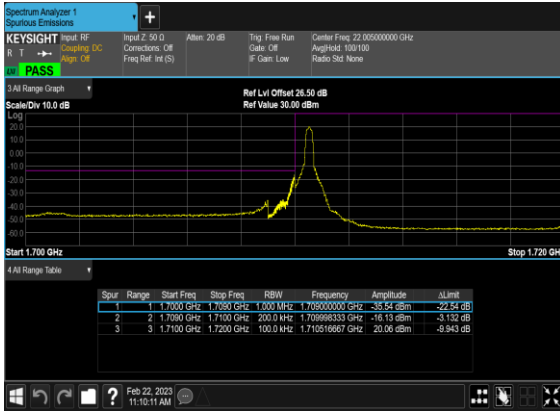
B5_N66(5M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



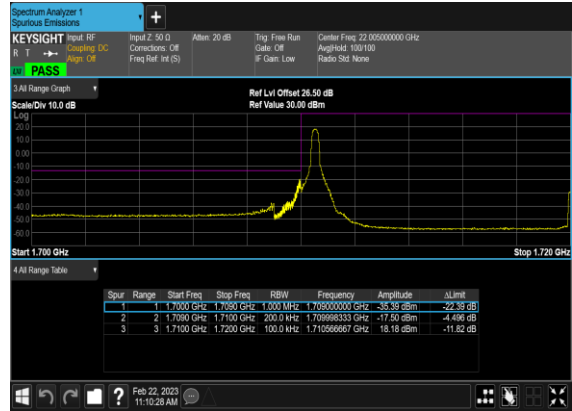
B5_N66(5M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



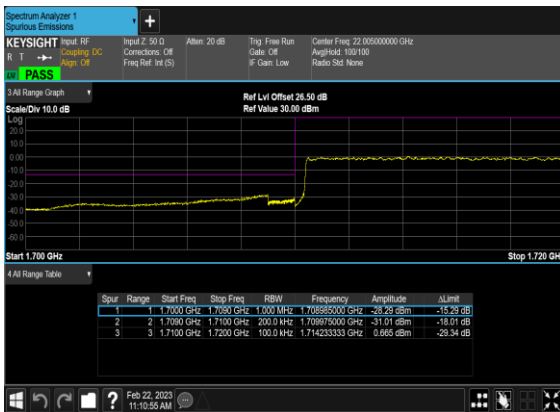
B5_N66(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



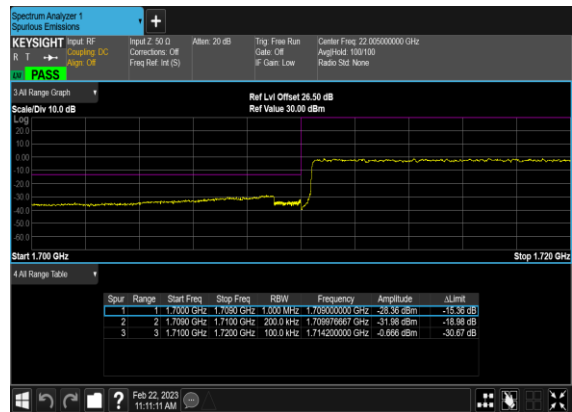
B5_N66(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



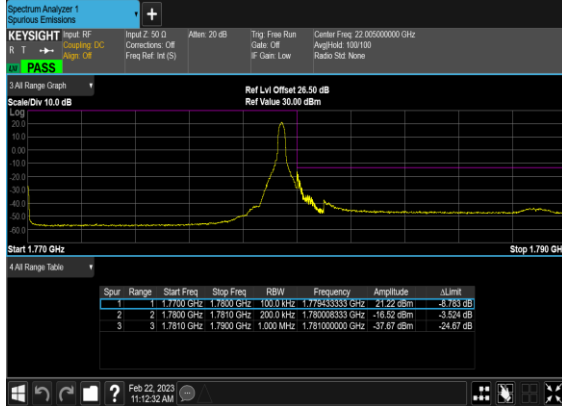
B5_N66(20M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



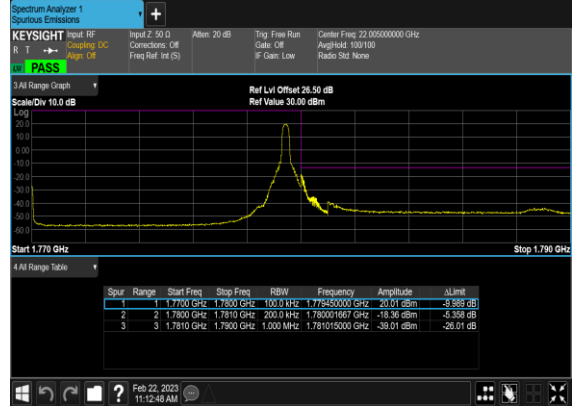
B5_N66(20M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



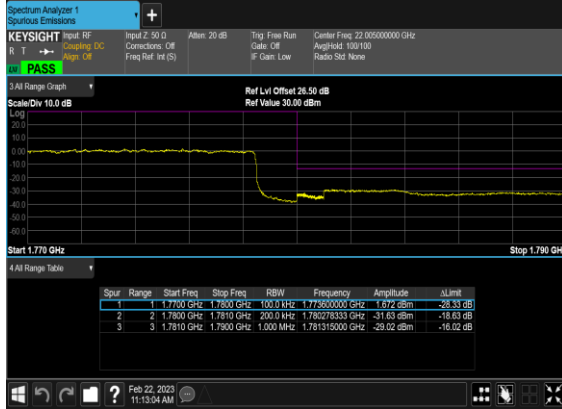
B5_N66(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



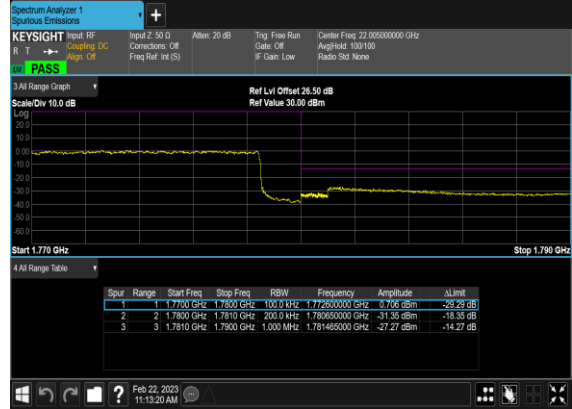
B5_N66(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



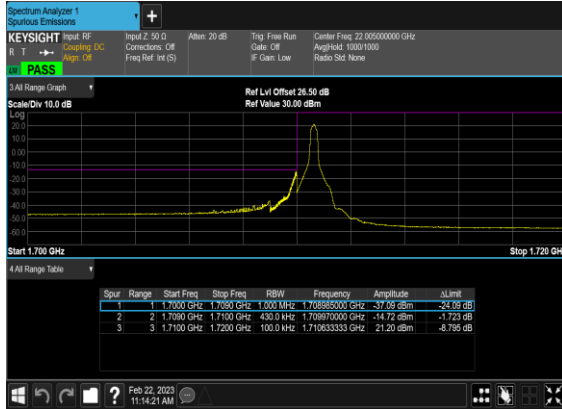
B5_N66(20M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH



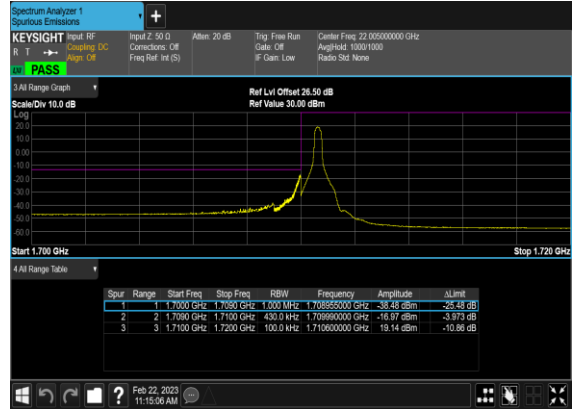
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OFDM_QPSK_Outer_Full_High_CH



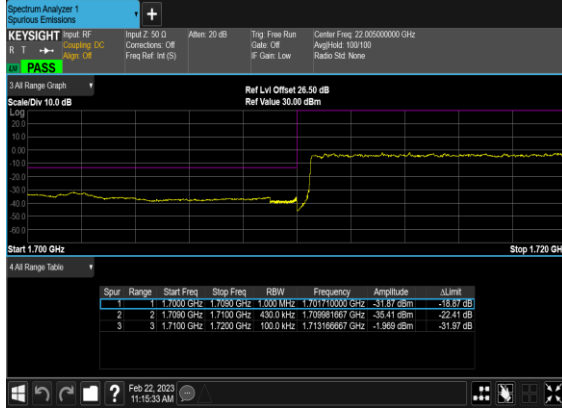
B5_N66(40M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



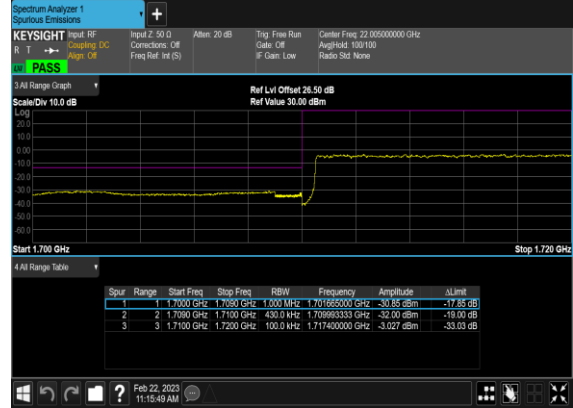
B5_N66(40M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



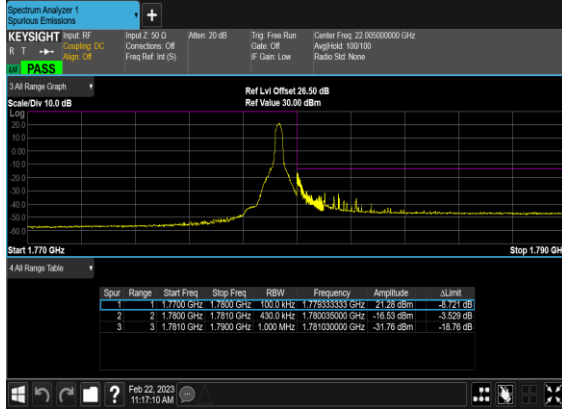
B5_N66(40M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



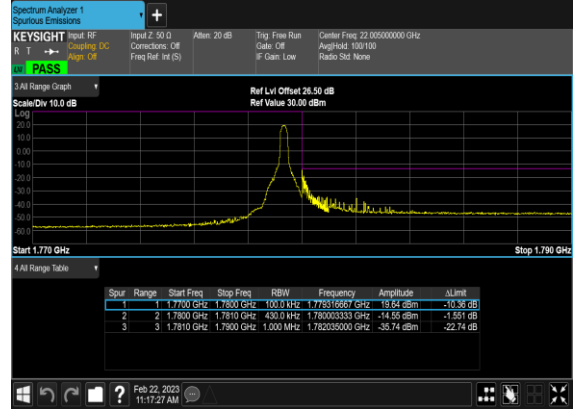
B5_N66(40M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



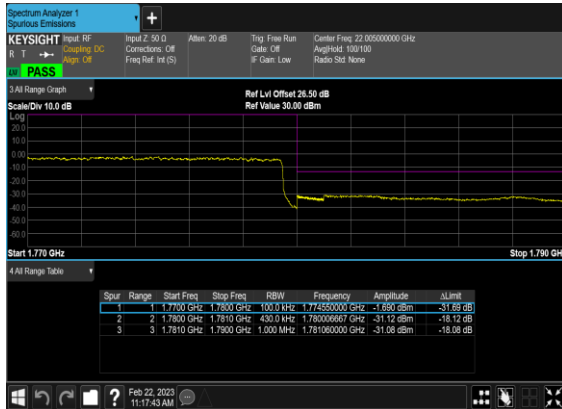
B5_N66(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



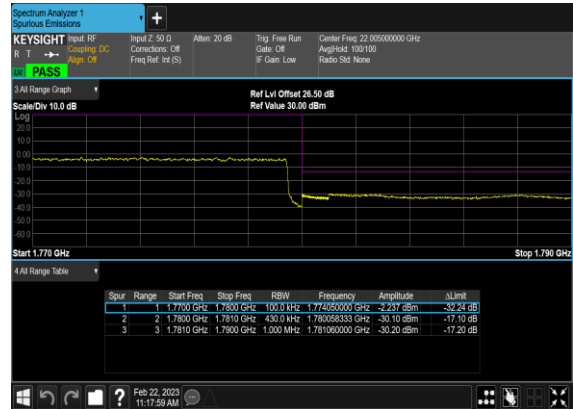
B5_N66(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



B5_N66(40M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



B5_N66(40M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH





Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

| | | | |
|-----------------|----------|---------------------|---------|
| Test Engineer : | Carry Xu | Temperature : | 23~25°C |
| | | Relative Humidity : | 41~42% |

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

| SA n7 / NR 40MHz / QPSK / ANT2(NR) | | | | | | | | |
|------------------------------------|-------------------|-------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel | Frequency (MHz) | ERP (dBm) | Limit (dBm) | Over Limit (dB) | S.G. Power (dBm) | TX Cable loss (dB) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Lowest | 4994 | -63.01 | -25 | -38.01 | -73.22 | 3.03 | 13.24 | H |
| | 7500 | -58.32 | -25 | -33.32 | -67.77 | 3.56 | 13.01 | H |
| | 10006 | -61.67 | -25 | -36.67 | -71.19 | 3.92 | 13.44 | H |
| | 4994 | -61.36 | -25 | -36.36 | -71.57 | 3.03 | 13.24 | V |
| | 7500 | -56.44 | -25 | -31.44 | -65.89 | 3.56 | 13.01 | V |
| | 10006 | -61.59 | -25 | -36.59 | -71.11 | 3.92 | 13.44 | V |
| Middle | 5036 | -63.85 | -25 | -38.85 | -74.06 | 3.03 | 13.24 | H |
| | 7542 | -59.79 | -25 | -34.79 | -69.24 | 3.56 | 13.01 | H |
| | 10062 | -62.62 | -25 | -37.62 | -72.14 | 3.92 | 13.44 | H |
| | 5036 | -63.17 | -25 | -38.17 | -73.38 | 3.03 | 13.24 | V |
| | 7542 | -53.84 | -25 | -28.84 | -63.29 | 3.56 | 13.01 | V |
| | 10062 | -62.77 | -25 | -37.77 | -72.29 | 3.92 | 13.44 | V |
| Highest | 5064 | -63.62 | -25 | -38.62 | -73.83 | 3.03 | 13.24 | H |
| | 7598 | -59.49 | -25 | -34.49 | -68.94 | 3.56 | 13.01 | H |
| | 10132 | -62.05 | -25 | -37.05 | -71.57 | 3.92 | 13.44 | H |
| | 5064 | -63.71 | -25 | -38.71 | -73.92 | 3.03 | 13.24 | V |
| | 7598 | -63.08 | -25 | -38.08 | -72.53 | 3.56 | 13.01 | V |
| | 10132 | -61.89 | -25 | -36.89 | -71.41 | 3.92 | 13.44 | V |

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



| SA n38 / NR 40MHz / QPSK / ANT2(NR) | | | | | | | | |
|-------------------------------------|-------------------|--------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Over Limit (dB) | S.G. Power (dBm) | TX Cable loss (dB) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Lowest | 5148 | -63.27 | -25 | -38.27 | -73.48 | 3.03 | 13.24 | H |
| | 7710 | -62.29 | -25 | -37.29 | -71.74 | 3.56 | 13.01 | H |
| | 10286 | -61.26 | -25 | -36.26 | -70.78 | 3.92 | 13.44 | H |
| | 5148 | -63.91 | -25 | -38.91 | -74.12 | 3.03 | 13.24 | V |
| | 7710 | -61.86 | -25 | -36.86 | -71.31 | 3.56 | 13.01 | V |
| | 10286 | -61.56 | -25 | -36.56 | -71.08 | 3.92 | 13.44 | V |
| Middle | 5148 | -63.45 | -25 | -38.45 | -73.66 | 3.03 | 13.24 | H |
| | 7724 | -62.11 | -25 | -37.11 | -71.56 | 3.56 | 13.01 | H |
| | 10314 | -61.56 | -25 | -36.56 | -71.08 | 3.92 | 13.44 | H |
| | 5148 | -63.58 | -25 | -38.58 | -73.79 | 3.03 | 13.24 | V |
| | 7724 | -61.91 | -25 | -36.91 | -71.36 | 3.56 | 13.01 | V |
| | 10314 | -61.71 | -25 | -36.71 | -71.23 | 3.92 | 13.44 | V |
| Highest | 5162 | -63.16 | -25 | -38.16 | -73.37 | 3.03 | 13.24 | H |
| | 7752 | -62.20 | -25 | -37.20 | -71.65 | 3.56 | 13.01 | H |
| | 10328 | -61.44 | -25 | -36.44 | -70.96 | 3.92 | 13.44 | H |
| | 5162 | -63.79 | -25 | -38.79 | -74.00 | 3.03 | 13.24 | V |
| | 7752 | -62.44 | -25 | -37.44 | -71.89 | 3.56 | 13.01 | V |
| | 10328 | -62.30 | -25 | -37.30 | -71.82 | 3.92 | 13.44 | V |

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

| SA n41 / NR 100MHz / QPSK / ANT2(NR) | | | | | | | | |
|--------------------------------------|-------------------|--------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Over Limit (dB) | S.G. Power (dBm) | TX Cable loss (dB) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Lowest | 5008 | -63.10 | -25 | -38.10 | -73.31 | 3.03 | 13.24 | H |
| | 7500 | -63.07 | -25 | -38.07 | -72.52 | 3.56 | 13.01 | H |
| | 10006 | -61.93 | -25 | -36.93 | -71.45 | 3.92 | 13.44 | H |
| | 5008 | -63.23 | -25 | -38.23 | -73.44 | 3.03 | 13.24 | V |
| | 7500 | -62.71 | -25 | -37.71 | -72.16 | 3.56 | 13.01 | V |
| | 10006 | -61.61 | -25 | -36.61 | -71.13 | 3.92 | 13.44 | V |
| Middle | 5092 | -63.25 | -25 | -38.25 | -73.46 | 3.03 | 13.24 | H |
| | 7640 | -62.67 | -25 | -37.67 | -72.12 | 3.56 | 13.01 | H |
| | 10188 | -61.37 | -25 | -36.37 | -70.89 | 3.92 | 13.44 | H |
| | 5092 | -63.33 | -25 | -38.33 | -73.54 | 3.03 | 13.24 | V |
| | 7640 | -62.54 | -25 | -37.54 | -71.99 | 3.56 | 13.01 | V |
| | 10188 | -61.57 | -25 | -36.57 | -71.09 | 3.92 | 13.44 | V |
| Highest | 5192 | -62.22 | -25 | -37.22 | -72.43 | 3.03 | 13.24 | H |
| | 7784 | -62.44 | -25 | -37.44 | -71.89 | 3.56 | 13.01 | H |
| | 10380 | -68.22 | -25 | -43.22 | -77.74 | 3.92 | 13.44 | H |
| | 5192 | -62.26 | -25 | -37.26 | -72.47 | 3.03 | 13.24 | V |
| | 7784 | -62.28 | -25 | -37.28 | -71.73 | 3.56 | 13.01 | V |
| | 10380 | -68.90 | -25 | -43.90 | -78.42 | 3.92 | 13.44 | V |

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



| SA n66 / NR 40MHz / QPSK / ANT2(NR) | | | | | | | | |
|-------------------------------------|-------------------|--------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Over Limit (dB) | S.G. Power (dBm) | TX Cable loss (dB) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Lowest | 3420 | -57.95 | -13 | -44.95 | -68.69 | 2.604 | 13.34 | H |
| | 5130 | -55.91 | -13 | -42.91 | -66.42 | 3.011 | 13.52 | H |
| | 6855 | -55.07 | -13 | -42.07 | -65.27 | 3.271 | 13.47 | H |
| | 3420 | -57.63 | -13 | -44.63 | -68.37 | 2.604 | 13.34 | V |
| | 5130 | -56.05 | -13 | -43.05 | -66.56 | 3.011 | 13.52 | V |
| | 6855 | -54.94 | -13 | -41.94 | -65.14 | 3.271 | 13.47 | V |
| Middle | 3450 | -58.39 | -13 | -45.39 | -69.13 | 2.604 | 13.34 | H |
| | 5175 | -55.43 | -13 | -42.43 | -65.94 | 3.011 | 13.52 | H |
| | 6915 | -54.88 | -13 | -41.88 | -65.08 | 3.271 | 13.47 | H |
| | 3450 | -58.47 | -13 | -45.47 | -69.21 | 2.604 | 13.34 | V |
| | 5175 | -55.74 | -13 | -42.74 | -66.25 | 3.011 | 13.52 | V |
| | 6915 | -54.70 | -13 | -41.70 | -64.90 | 3.271 | 13.47 | V |
| Highest | 3480 | -58.43 | -13 | -45.43 | -69.17 | 2.604 | 13.34 | H |
| | 5220 | -55.47 | -13 | -42.47 | -65.98 | 3.011 | 13.52 | H |
| | 6975 | -55.00 | -13 | -42.00 | -65.20 | 3.271 | 13.47 | H |
| | 3480 | -58.71 | -13 | -45.71 | -69.45 | 2.604 | 13.34 | V |
| | 5220 | -55.47 | -13 | -42.47 | -65.98 | 3.011 | 13.52 | V |
| | 6975 | -54.80 | -13 | -41.80 | -65.00 | 3.271 | 13.47 | V |

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

| EN-DC_13A_n66A / LTE 10MHz + NR 40MHz / QPSK / ANT0(LTE) & ANT2(NR) | | | | | | | | |
|---|-------------------|--------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Over Limit (dB) | S.G. Power (dBm) | TX Cable loss (dB) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Lowest | 3420 | -58.33 | -13 | -45.33 | -69.07 | 2.604 | 13.34 | H |
| | 5130 | -55.84 | -13 | -42.84 | -66.35 | 3.011 | 13.52 | H |
| | 6855 | -54.88 | -13 | -41.88 | -65.08 | 3.271 | 13.47 | H |
| | 3420 | -58.56 | -13 | -45.56 | -69.30 | 2.604 | 13.34 | V |
| | 5130 | -55.91 | -13 | -42.91 | -66.42 | 3.011 | 13.52 | V |
| | 6855 | -55.02 | -13 | -42.02 | -65.22 | 3.271 | 13.47 | V |
| Middle | 3450 | -57.69 | -13 | -44.69 | -68.43 | 2.604 | 13.34 | H |
| | 5175 | -55.45 | -13 | -42.45 | -65.96 | 3.011 | 13.52 | H |
| | 6915 | -54.83 | -13 | -41.83 | -65.03 | 3.271 | 13.47 | H |
| | 3450 | -58.36 | -13 | -45.36 | -69.10 | 2.604 | 13.34 | V |
| | 5175 | -55.20 | -13 | -42.20 | -65.71 | 3.011 | 13.52 | V |
| | 6915 | -54.88 | -13 | -41.88 | -65.08 | 3.271 | 13.47 | V |
| Highest | 3484 | -58.10 | -13 | -45.10 | -68.84 | 2.604 | 13.34 | H |
| | 5226 | -55.75 | -13 | -42.75 | -66.26 | 3.011 | 13.52 | H |
| | 6968 | -54.85 | -13 | -41.85 | -65.05 | 3.271 | 13.47 | H |
| | 3484 | -58.56 | -13 | -45.56 | -69.30 | 2.604 | 13.34 | V |
| | 5226 | -55.89 | -13 | -42.89 | -66.40 | 3.011 | 13.52 | V |
| | 6968 | -54.91 | -13 | -41.91 | -65.11 | 3.271 | 13.47 | V |

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



| EN-DC_48A_n66A / LTE 10MHz + NR 40MHz / QPSK / ANT5(LTE) & ANT1(NR) – Other PA | | | | | | | | |
|--|-------------------|--------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Over Limit (dB) | S.G. Power (dBm) | TX Cable loss (dB) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Lowest | 3420 | -57.98 | -13 | -44.98 | -68.72 | 2.604 | 13.34 | H |
| | 5130 | -55.88 | -13 | -42.88 | -66.39 | 3.011 | 13.52 | H |
| | 6855 | -54.91 | -13 | -41.91 | -65.11 | 3.271 | 13.47 | H |
| | 3420 | -58.36 | -13 | -45.36 | -69.10 | 2.604 | 13.34 | V |
| | 5130 | -55.99 | -13 | -42.99 | -66.50 | 3.011 | 13.52 | V |
| | 6855 | -55.05 | -13 | -42.05 | -65.25 | 3.271 | 13.47 | V |
| Middle | 3450 | -57.79 | -13 | -44.79 | -68.53 | 2.604 | 13.34 | H |
| | 5175 | -55.34 | -13 | -42.34 | -65.85 | 3.011 | 13.52 | H |
| | 6915 | -54.59 | -13 | -41.59 | -64.79 | 3.271 | 13.47 | H |
| | 3450 | -58.42 | -13 | -45.42 | -69.16 | 2.604 | 13.34 | V |
| | 5175 | -55.47 | -13 | -42.47 | -65.98 | 3.011 | 13.52 | V |
| | 6915 | -55.03 | -13 | -42.03 | -65.23 | 3.271 | 13.47 | V |
| Highest | 3480 | -57.95 | -13 | -44.95 | -68.69 | 2.604 | 13.34 | H |
| | 5220 | -55.03 | -13 | -42.03 | -65.54 | 3.011 | 13.52 | H |
| | 6975 | -54.67 | -13 | -41.67 | -64.87 | 3.271 | 13.47 | H |
| | 3480 | -58.68 | -13 | -45.68 | -69.42 | 2.604 | 13.34 | V |
| | 5220 | -55.25 | -13 | -42.25 | -65.76 | 3.011 | 13.52 | V |
| | 6975 | -54.73 | -13 | -41.73 | -64.93 | 3.271 | 13.47 | V |

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