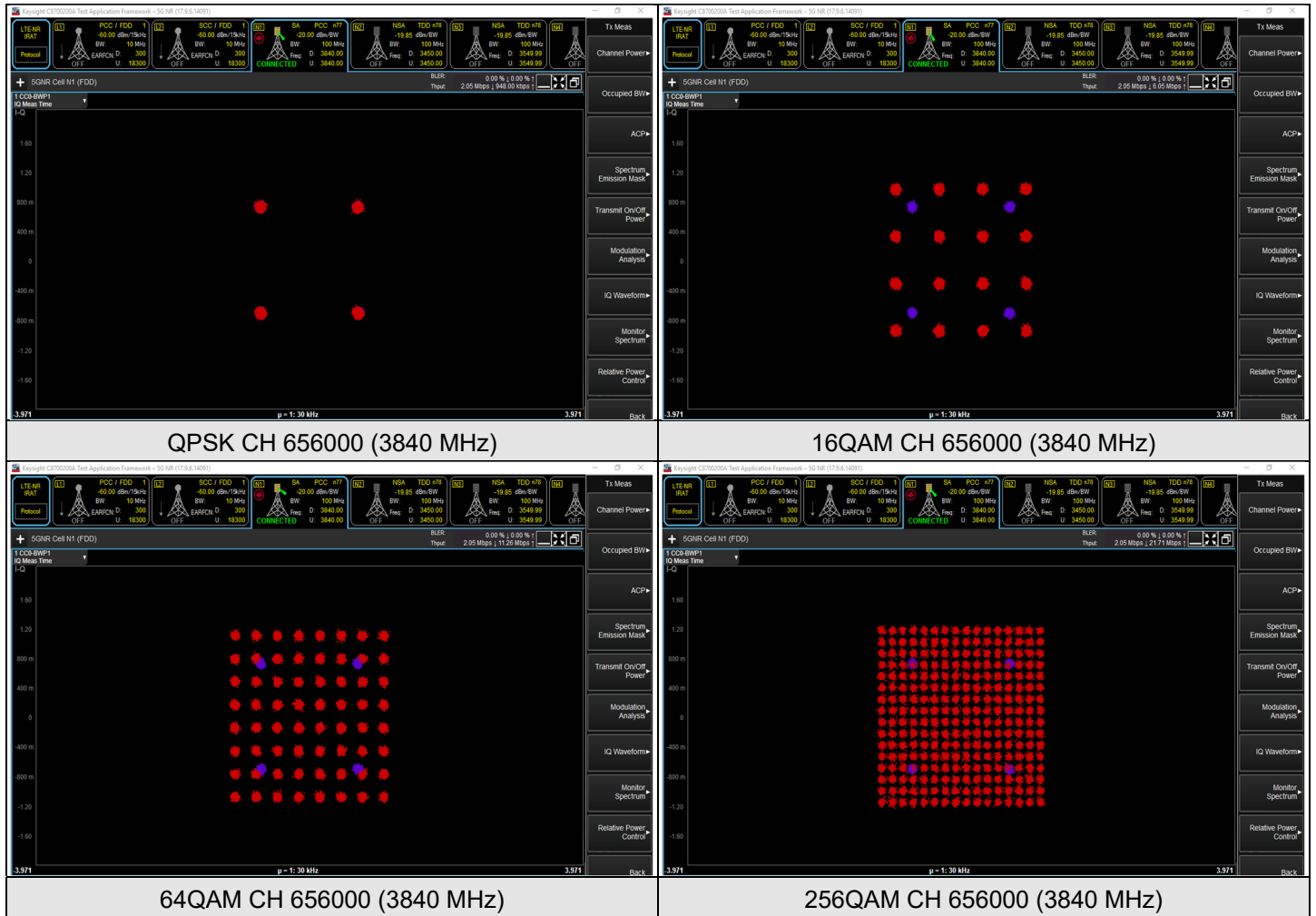
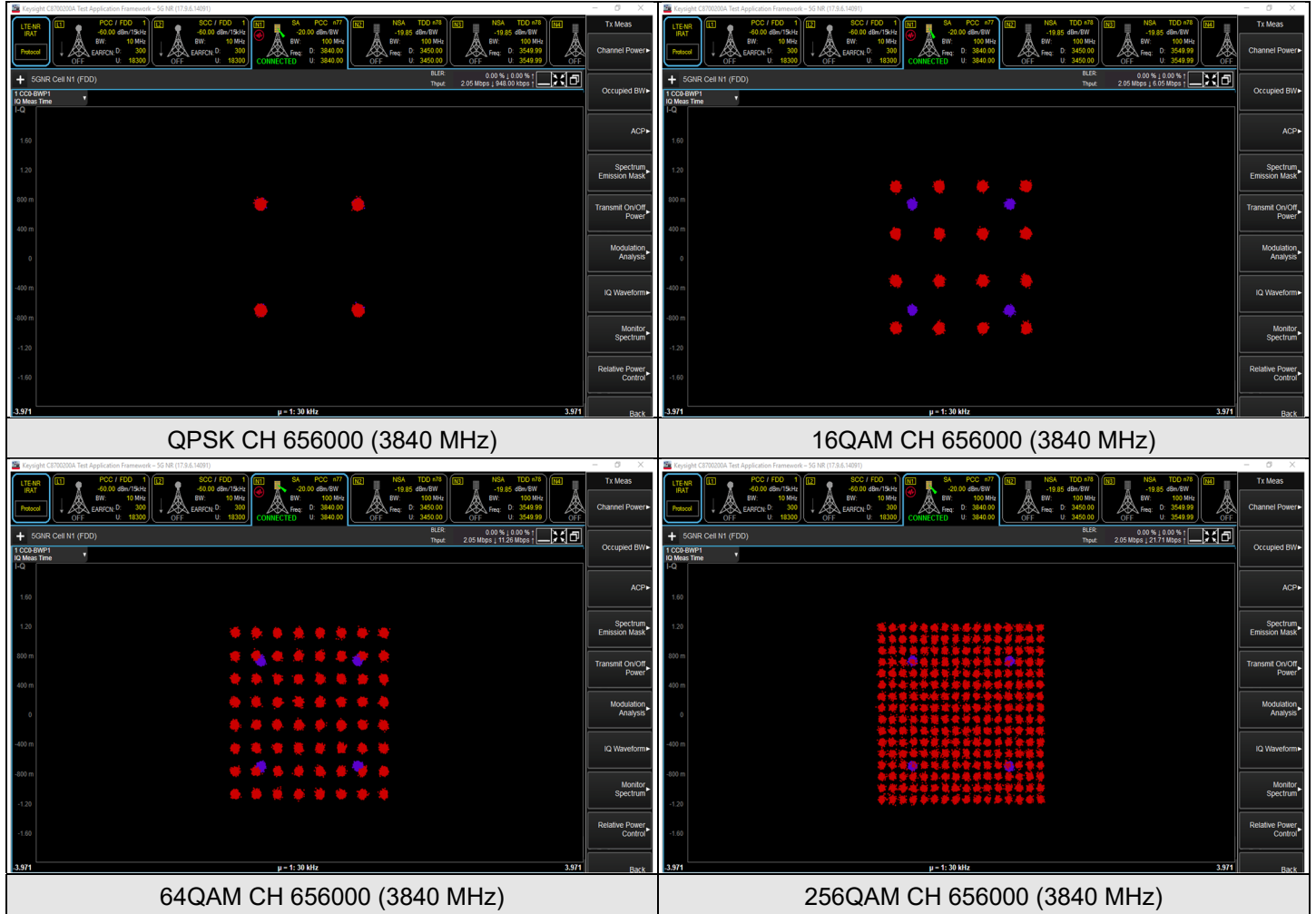


7.2.7 NR n77 (3700-3980 MHz) SCS 30 kHz

NR n77 (3700-3980 MHz) SCS 30 kHz, Channel Bandwidth: 100 MHz_Ant. 1



NR n77 (3700-3980 MHz) SCS 30 kHz, Channel Bandwidth: 100 MHz_Ant. 6



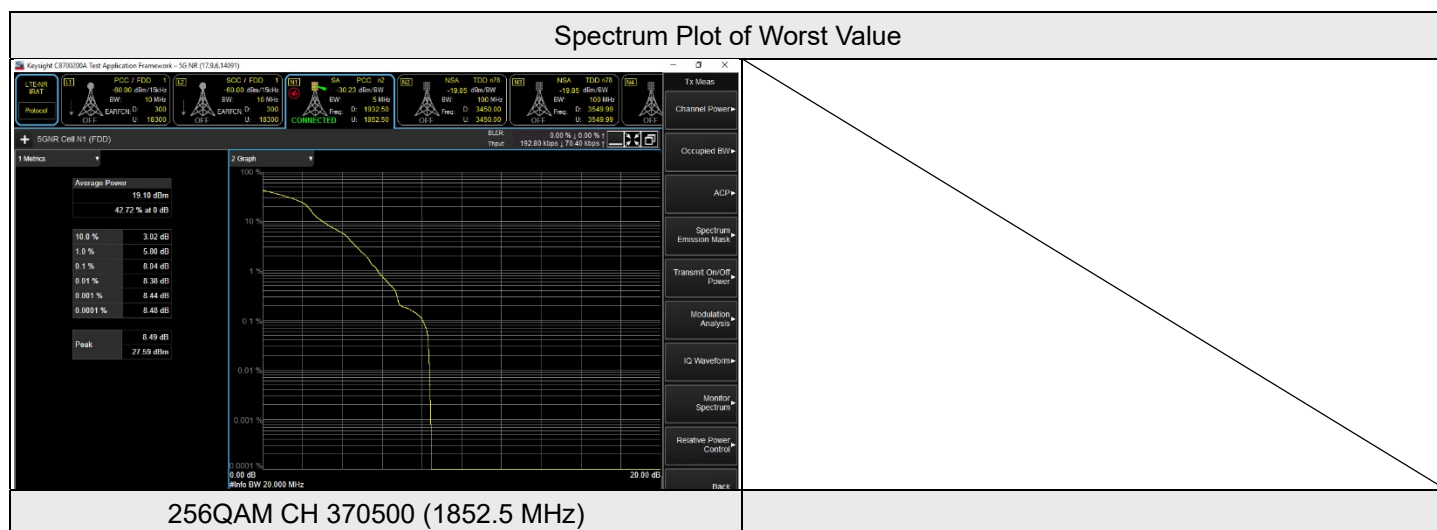
7.3 Peak to Average Ratio

| | | | | | |
|--------------|----------------|---------------------------|--------------|------------|------------|
| Input Power: | 120 Vac, 60 Hz | Environmental Conditions: | 21°C, 70% RH | Tested By: | James Yang |
|--------------|----------------|---------------------------|--------------|------------|------------|

7.3.1 NR n2 SCS 15 kHz

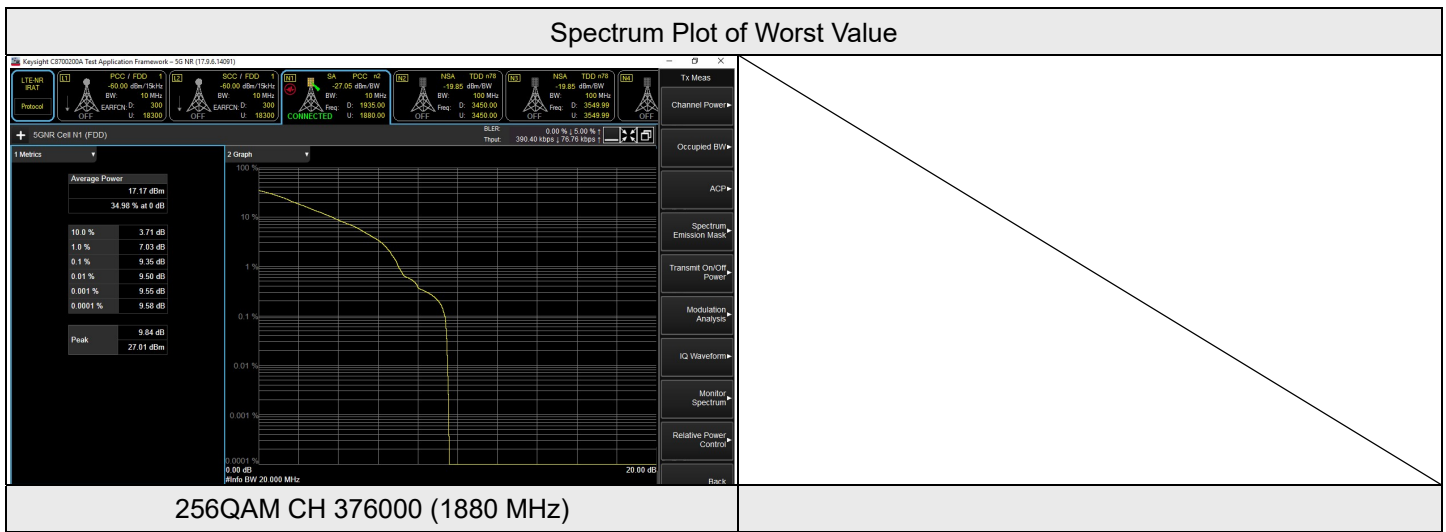
NR n2 SCS 15 kHz, Channel Bandwidth: 5 MHz

| NR n2 SCS 15 kHz 5M | | | | | |
|---------------------|---------|-----------|----------------------------|-----------|------------|
| Modulation | RB Size | RB Offset | Peak To Average Ratio (dB) | | |
| | | | CH 370500 | CH 376000 | CH 381500 |
| | | | 1852.5 MHz | 1880 MHz | 1907.5 MHz |
| BPSK | 1 | 0 | 3.60 | 4.24 | 4.55 |
| QPSK | 1 | 0 | 6.08 | 6.43 | 6.47 |
| 16QAM | 1 | 0 | 6.77 | 6.66 | 6.32 |
| 64QAM | 1 | 0 | 7.97 | 7.70 | 7.34 |
| 256QAM | 1 | 0 | 8.04 | 6.98 | 7.06 |



NR n2 SCS 15 kHz, Channel Bandwidth: 10 MHz

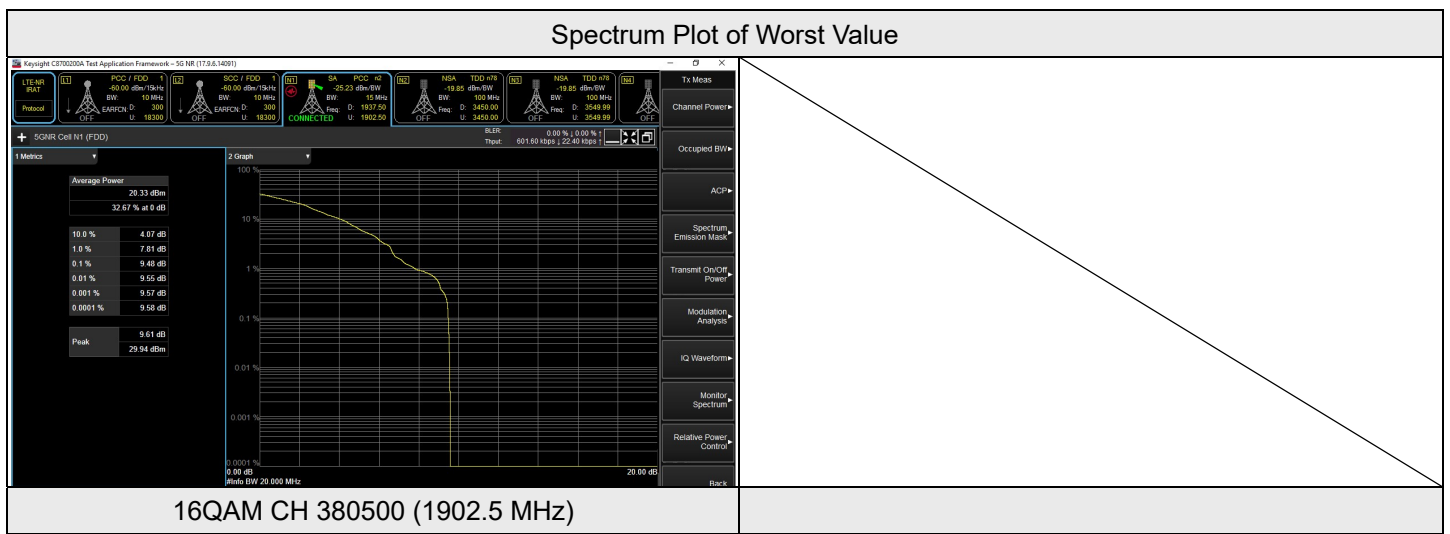
| NR n2 SCS 15 kHz 10M | | | | | |
|----------------------|---------|-----------|----------------------------|-----------|-----------|
| Modulation | RB Size | RB Offset | Peak To Average Ratio (dB) | | |
| | | | CH 371000 | CH 376000 | CH 381000 |
| | | | 1855 MHz | 1880 MHz | 1905 MHz |
| BPSK | 1 | 0 | 4.40 | 4.33 | 4.19 |
| QPSK | 1 | 0 | 6.00 | 6.94 | 7.11 |
| 16QAM | 1 | 0 | 7.81 | 9.01 | 8.83 |
| 64QAM | 1 | 0 | 8.43 | 8.50 | 7.97 |
| 256QAM | 1 | 0 | 7.51 | 9.35 | 8.37 |



256QAM CH 376000 (1880 MHz)

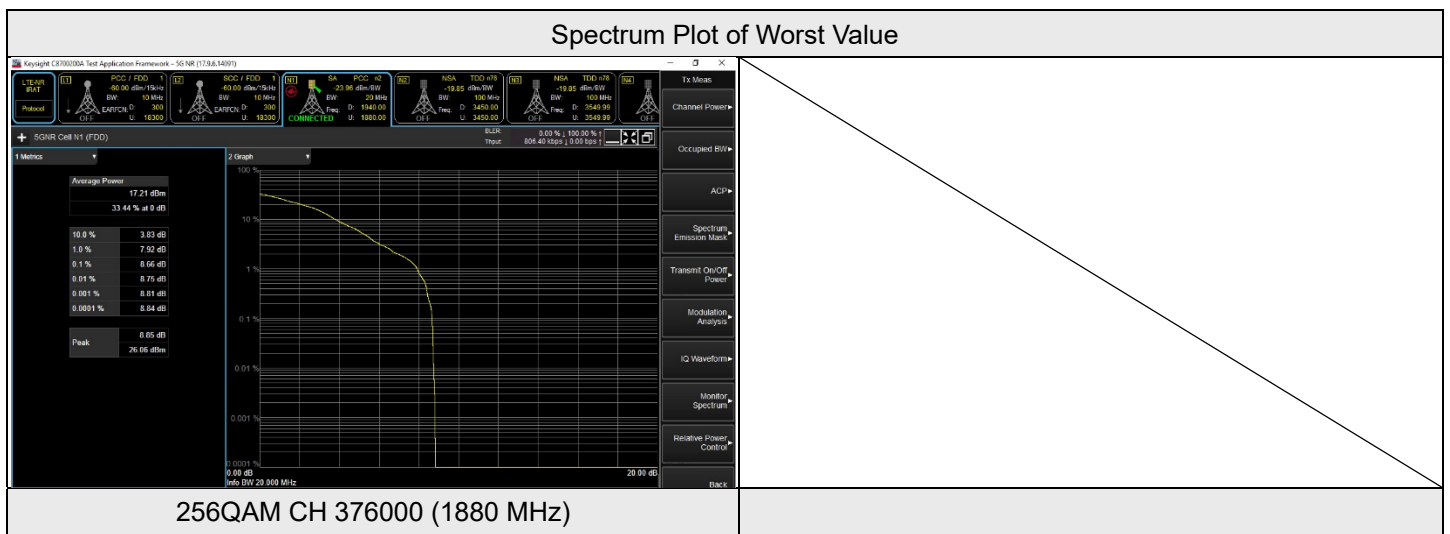
NR n2 SCS 15 kHz, Channel Bandwidth: 15 MHz

| NR n2 SCS 15 kHz 15M | | | | | |
|----------------------|---------|-----------|----------------------------|-----------|------------|
| Modulation | RB Size | RB Offset | Peak To Average Ratio (dB) | | |
| | | | CH 371500 | CH 376000 | CH 380500 |
| | | | 1857.5 MHz | 1880 MHz | 1902.5 MHz |
| BPSK | 1 | 0 | 4.05 | 4.73 | 4.50 |
| QPSK | 1 | 0 | 8.47 | 7.79 | 6.92 |
| 16QAM | 1 | 0 | 8.54 | 8.11 | 9.48 |
| 64QAM | 1 | 0 | 7.84 | 8.02 | 8.29 |
| 256QAM | 1 | 0 | 8.22 | 8.95 | 8.20 |



NR n2 SCS 15 kHz, Channel Bandwidth: 20 MHz

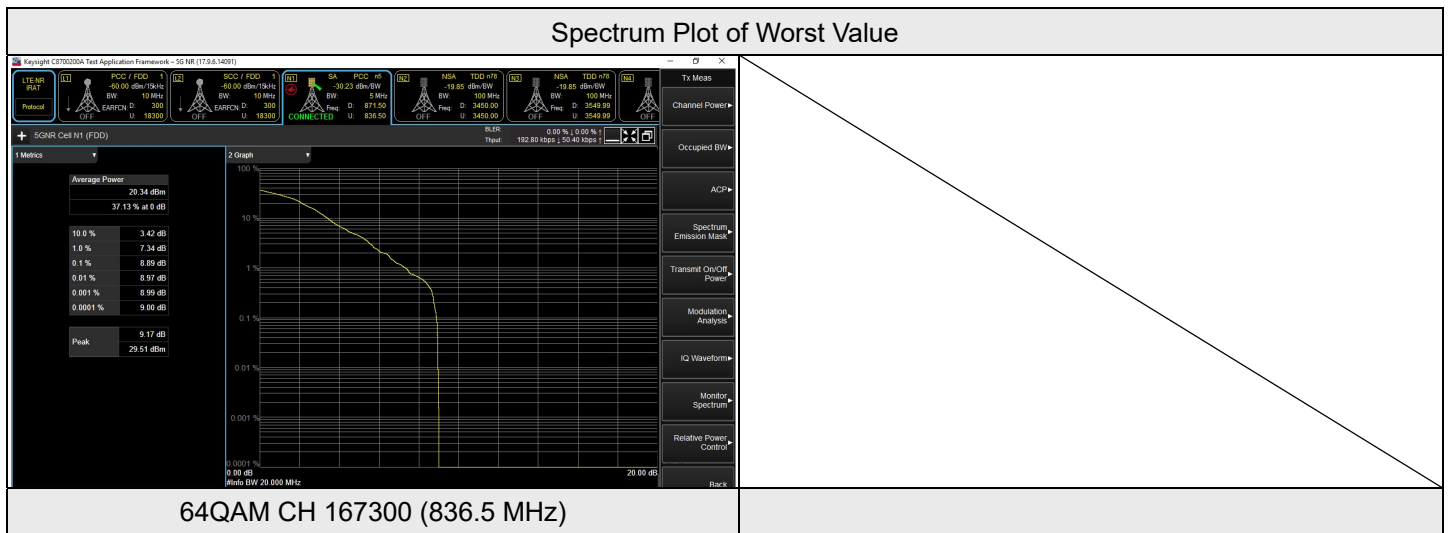
| NR n2 SCS 15 kHz 20M | | | | | |
|----------------------|---------|-----------|----------------------------|-----------|-----------|
| Modulation | RB Size | RB Offset | Peak To Average Ratio (dB) | | |
| | | | CH 372000 | CH 376000 | CH 380000 |
| | | | 1860 MHz | 1880 MHz | 1900 MHz |
| BPSK | 1 | 0 | 4.38 | 4.62 | 3.97 |
| QPSK | 1 | 0 | 8.54 | 8.09 | 8.09 |
| 16QAM | 1 | 0 | 8.71 | 7.61 | 7.54 |
| 64QAM | 1 | 0 | 8.33 | 7.87 | 8.15 |
| 256QAM | 1 | 0 | 6.79 | 8.66 | 8.22 |



7.3.2 NR n5 SCS 15 kHz

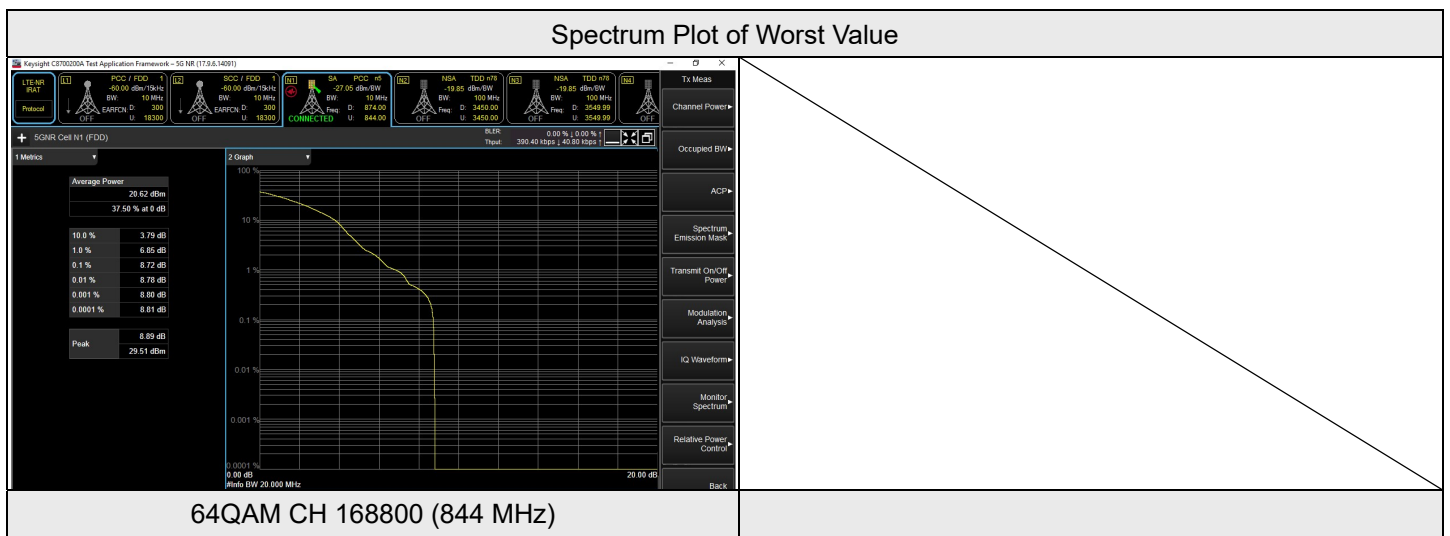
NR n5 SCS 15 kHz, Channel Bandwidth: 5 MHz

| NR n5 SCS 15 kHz 5M | | | | | |
|---------------------|---------|-----------|----------------------------|-----------|-----------|
| Modulation | RB Size | RB Offset | Peak To Average Ratio (dB) | | |
| | | | CH 165300 | CH 167300 | CH 169300 |
| | | | 826.5 MHz | 836.5 MHz | 846.5 MHz |
| BPSK | 1 | 0 | 5.38 | 5.96 | 4.05 |
| QPSK | 1 | 0 | 7.17 | 7.63 | 6.44 |
| 16QAM | 1 | 0 | 7.67 | 7.37 | 7.20 |
| 64QAM | 1 | 0 | 8.77 | 8.89 | 8.19 |
| 256QAM | 1 | 0 | 7.71 | 7.26 | 8.25 |



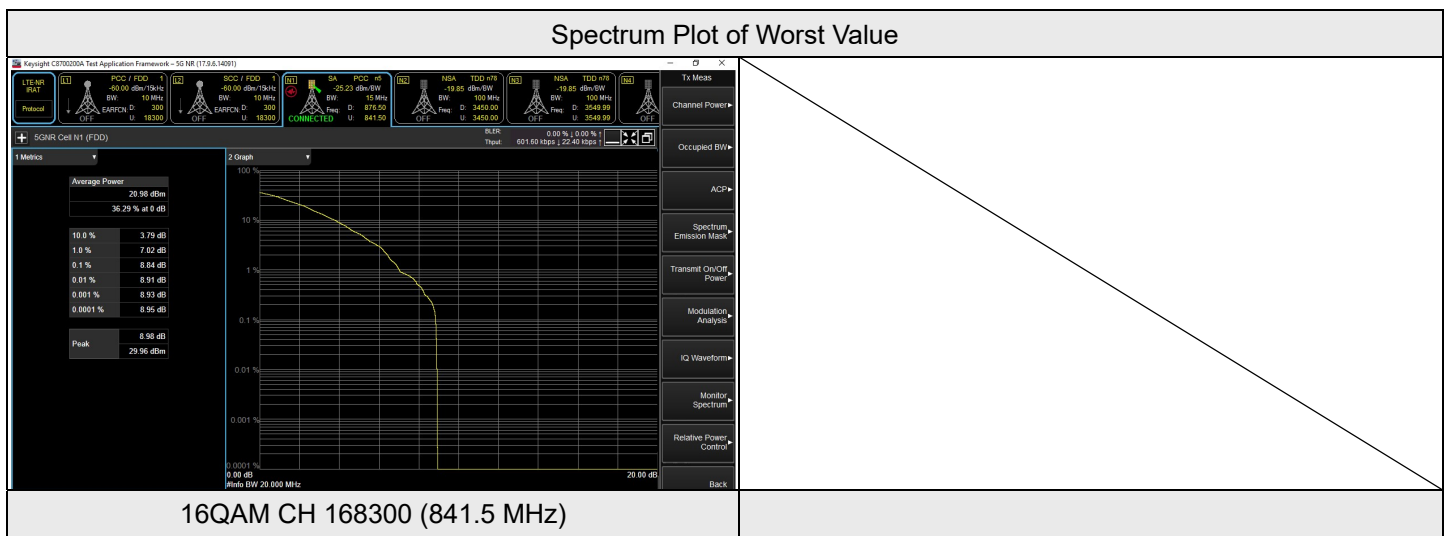
NR n5 SCS 15 kHz, Channel Bandwidth: 10 MHz

| NR n5 SCS 15 kHz 10M | | | | | |
|----------------------|---------|-----------|----------------------------|-----------|-----------|
| Modulation | RB Size | RB Offset | Peak To Average Ratio (dB) | | |
| | | | CH 165800 | CH 167300 | CH 168800 |
| | | | 829 MHz | 836.5 MHz | 844 MHz |
| BPSK | 1 | 0 | 4.25 | 3.47 | 4.06 |
| QPSK | 1 | 0 | 7.49 | 7.07 | 6.06 |
| 16QAM | 1 | 0 | 7.69 | 8.23 | 8.07 |
| 64QAM | 1 | 0 | 8.25 | 7.88 | 8.72 |
| 256QAM | 1 | 0 | 7.49 | 8.67 | 7.40 |



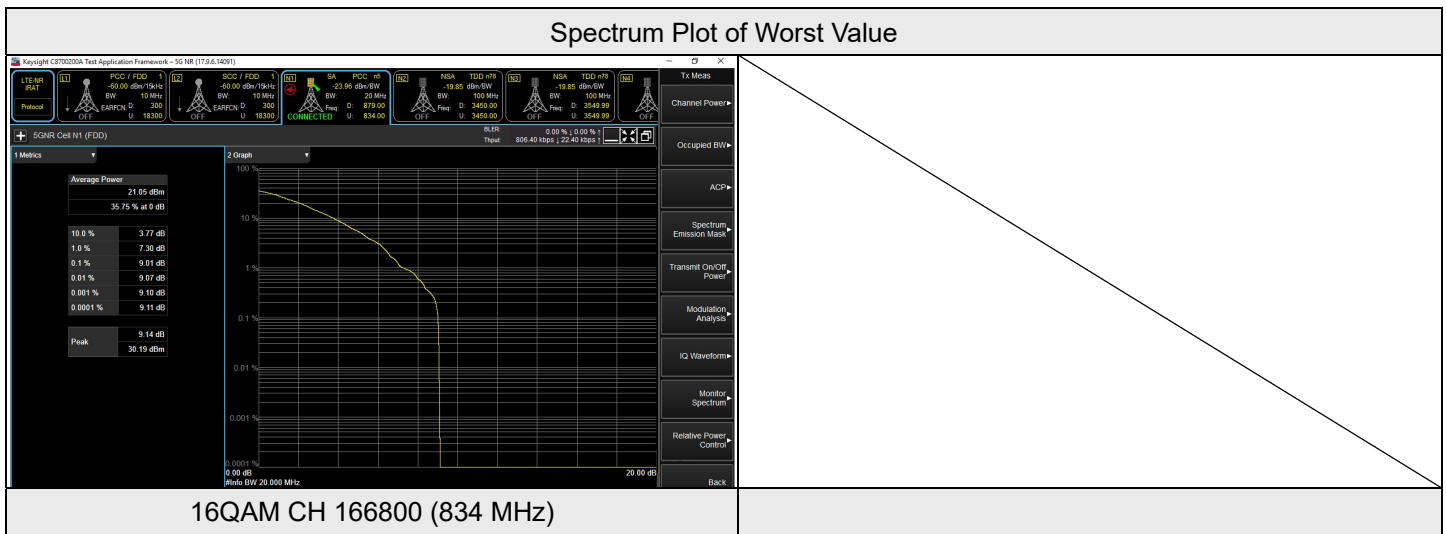
NR n5 SCS 15 kHz, Channel Bandwidth: 15 MHz

| NR n5 SCS 15 kHz 15M | | | | | |
|----------------------|---------|-----------|----------------------------|-----------|-----------|
| Modulation | RB Size | RB Offset | Peak To Average Ratio (dB) | | |
| | | | CH 166300 | CH 167300 | CH 168300 |
| | | | 831.5 MHz | 836.5 MHz | 841.5 MHz |
| BPSK | 1 | 0 | 4.16 | 4.96 | 3.82 |
| QPSK | 1 | 0 | 5.72 | 6.45 | 7.10 |
| 16QAM | 1 | 0 | 8.22 | 8.07 | 8.84 |
| 64QAM | 1 | 0 | 8.74 | 7.20 | 7.78 |
| 256QAM | 1 | 0 | 7.63 | 7.49 | 8.39 |



NR n5 SCS 15 kHz, Channel Bandwidth: 20 MHz

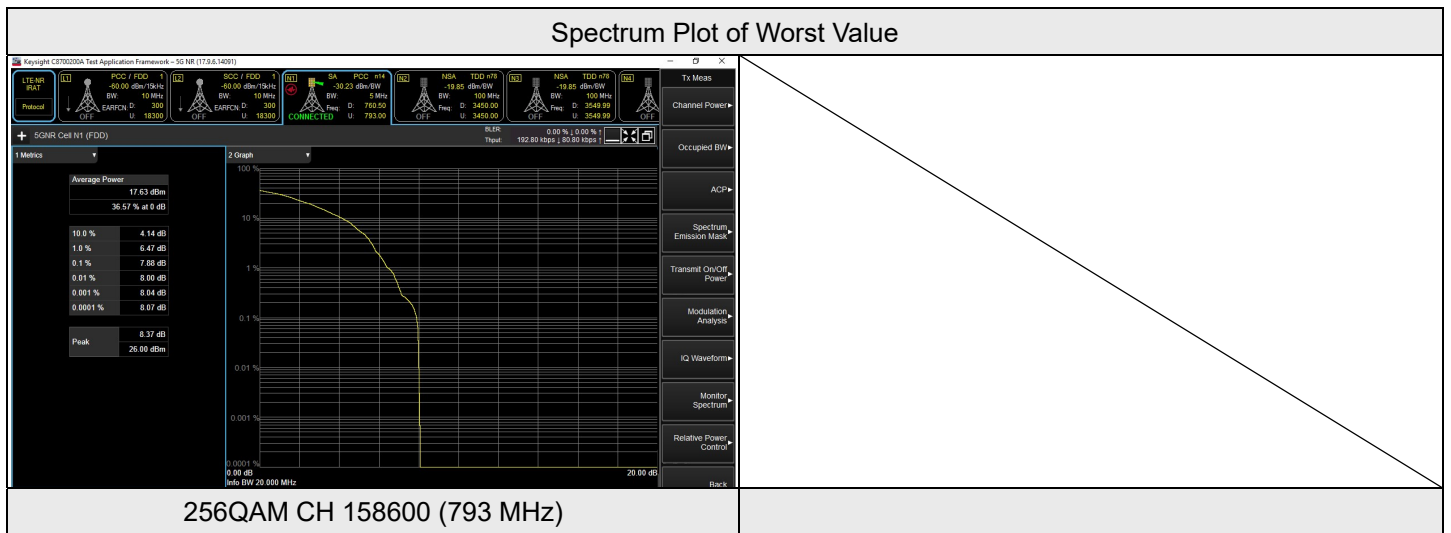
| NR n5 SCS 15 kHz 20M | | | | | |
|----------------------|---------|-----------|----------------------------|-----------|-----------|
| Modulation | RB Size | RB Offset | Peak To Average Ratio (dB) | | |
| | | | CH 166800 | CH 167300 | CH 167800 |
| | | | 834 MHz | 836.5 MHz | 839 MHz |
| BPSK | 1 | 0 | 4.17 | 4.25 | 4.24 |
| QPSK | 1 | 0 | 7.14 | 7.17 | 6.28 |
| 16QAM | 1 | 0 | 9.01 | 7.92 | 8.66 |
| 64QAM | 1 | 0 | 8.17 | 7.47 | 7.82 |
| 256QAM | 1 | 0 | 8.70 | 8.33 | 8.15 |



7.3.3 NR n14 SCS 15 kHz

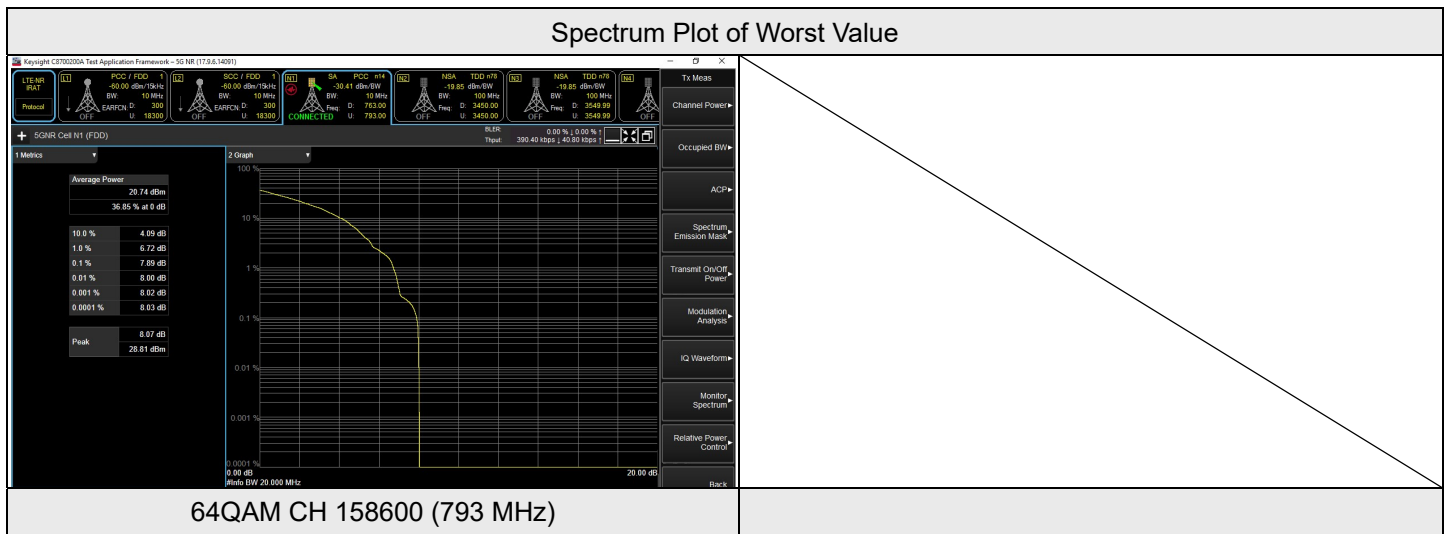
NR n14 SCS 15 kHz, Channel Bandwidth: 5 MHz

| NR n14 SCS 15 kHz 5M | | | | | |
|----------------------|---------|-----------|----------------------------|-----------|-----------|
| Modulation | RB Size | RB Offset | Peak To Average Ratio (dB) | | |
| | | | CH 158100 | CH 158600 | CH 159100 |
| | | | 790.5 MHz | 793 MHz | 795.5 MHz |
| BPSK | 1 | 0 | 3.60 | 3.92 | 3.26 |
| QPSK | 1 | 0 | 6.50 | 6.30 | 6.98 |
| 16QAM | 1 | 0 | 7.08 | 7.32 | 7.11 |
| 64QAM | 1 | 0 | 6.47 | 7.52 | 6.90 |
| 256QAM | 1 | 0 | 7.60 | 7.88 | 7.24 |



NR n14 SCS 15 kHz, Channel Bandwidth: 10 MHz

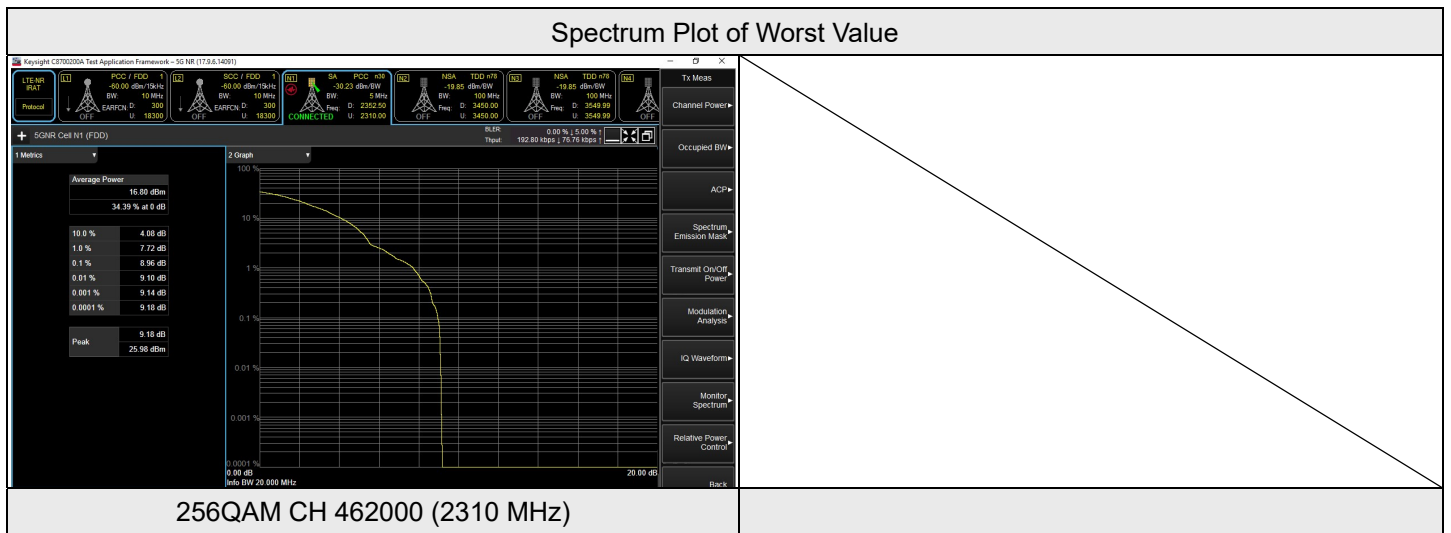
| NR n14 SCS 15 kHz 10M | | | |
|-----------------------|---------|-----------|----------------------------|
| Modulation | RB Size | RB Offset | Peak To Average Ratio (dB) |
| | | | CH 158600 |
| | | | 793 MHz |
| BPSK | 1 | 0 | 4.10 |
| QPSK | 1 | 0 | 6.67 |
| 16QAM | 1 | 0 | 6.95 |
| 64QAM | 1 | 0 | 7.89 |
| 256QAM | 1 | 0 | 7.79 |



7.3.4 NR n30 SCS 15 kHz

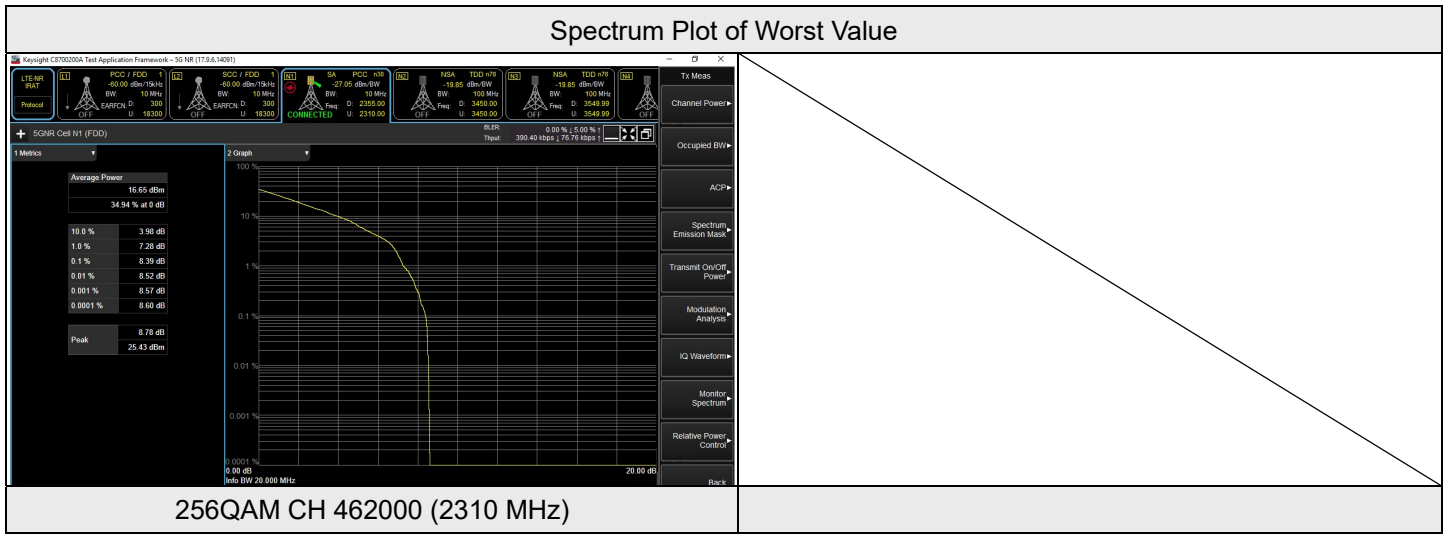
NR n30 SCS 15 kHz, Channel Bandwidth: 5 MHz

| NR n30 SCS 15 kHz 5M | | | | | |
|----------------------|---------|-----------|----------------------------|-----------|------------|
| Modulation | RB Size | RB Offset | Peak To Average Ratio (dB) | | |
| | | | CH 461500 | CH 462000 | CH 462500 |
| | | | 2307.5 MHz | 2310 MHz | 2312.5 MHz |
| BPSK | 1 | 0 | 4.26 | 3.95 | 4.09 |
| QPSK | 1 | 0 | 7.24 | 6.45 | 6.77 |
| 16QAM | 1 | 0 | 6.99 | 7.55 | 7.50 |
| 64QAM | 1 | 0 | 7.93 | 8.34 | 6.98 |
| 256QAM | 1 | 0 | 8.09 | 8.96 | 8.92 |



NR n30 SCS 15 kHz, Channel Bandwidth: 10 MHz

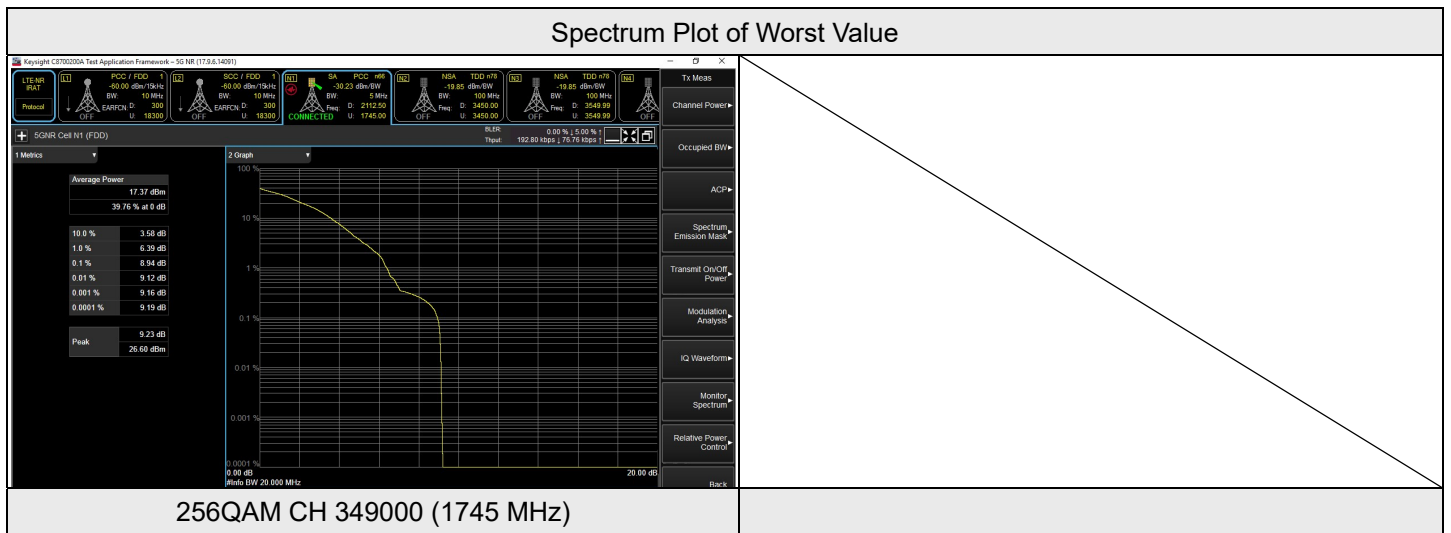
| NR n30 SCS 15 kHz 10M | | | |
|-----------------------|---------|-----------|----------------------------|
| Modulation | RB Size | RB Offset | Peak To Average Ratio (dB) |
| | | | CH 462000 |
| | | | 2310 MHz |
| BPSK | 1 | 0 | 3.87 |
| QPSK | 1 | 0 | 8.04 |
| 16QAM | 1 | 0 | 7.59 |
| 64QAM | 1 | 0 | 7.12 |
| 256QAM | 1 | 0 | 8.39 |



7.3.5 NR n66 SCS 15 kHz

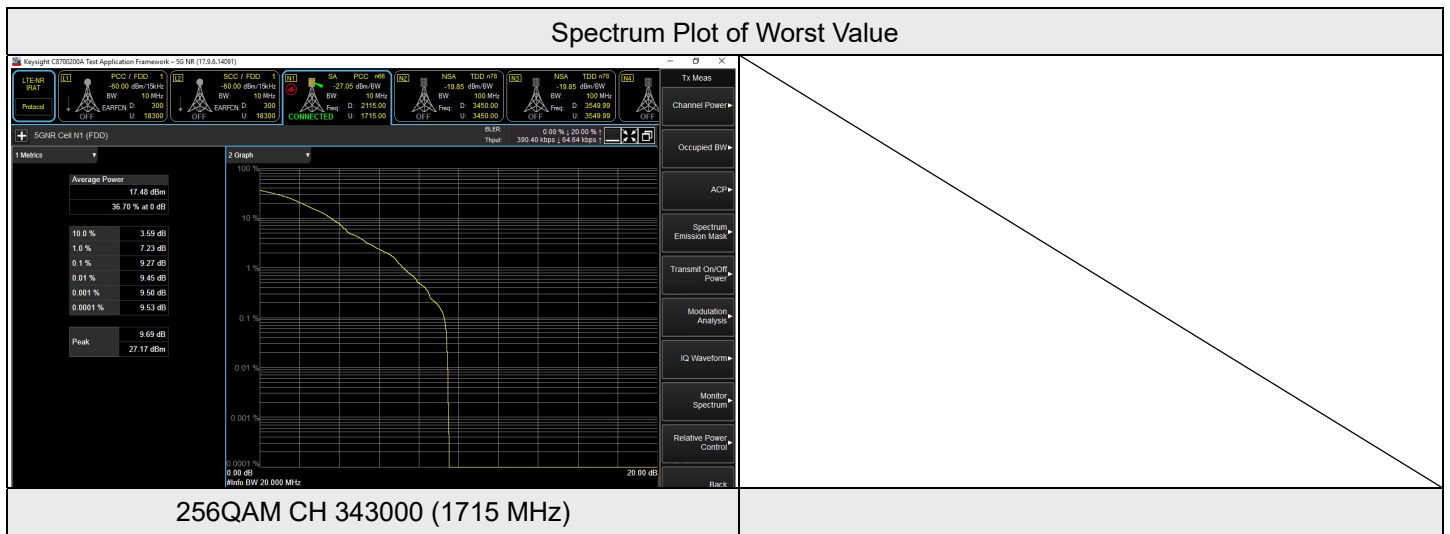
NR n66 SCS 15 kHz, Channel Bandwidth: 5 MHz

| NR n66 SCS 15 kHz 5M | | | | | |
|----------------------|---------|-----------|----------------------------|-----------|------------|
| Modulation | RB Size | RB Offset | Peak To Average Ratio (dB) | | |
| | | | CH 342500 | CH 349000 | CH 355500 |
| | | | 1712.5 MHz | 1745 MHz | 1777.5 MHz |
| BPSK | 1 | 0 | 3.67 | 4.52 | 4.60 |
| QPSK | 1 | 0 | 8.38 | 7.67 | 6.96 |
| 16QAM | 1 | 0 | 7.96 | 8.43 | 6.94 |
| 64QAM | 1 | 0 | 8.23 | 8.68 | 8.25 |
| 256QAM | 1 | 0 | 8.50 | 8.94 | 8.55 |



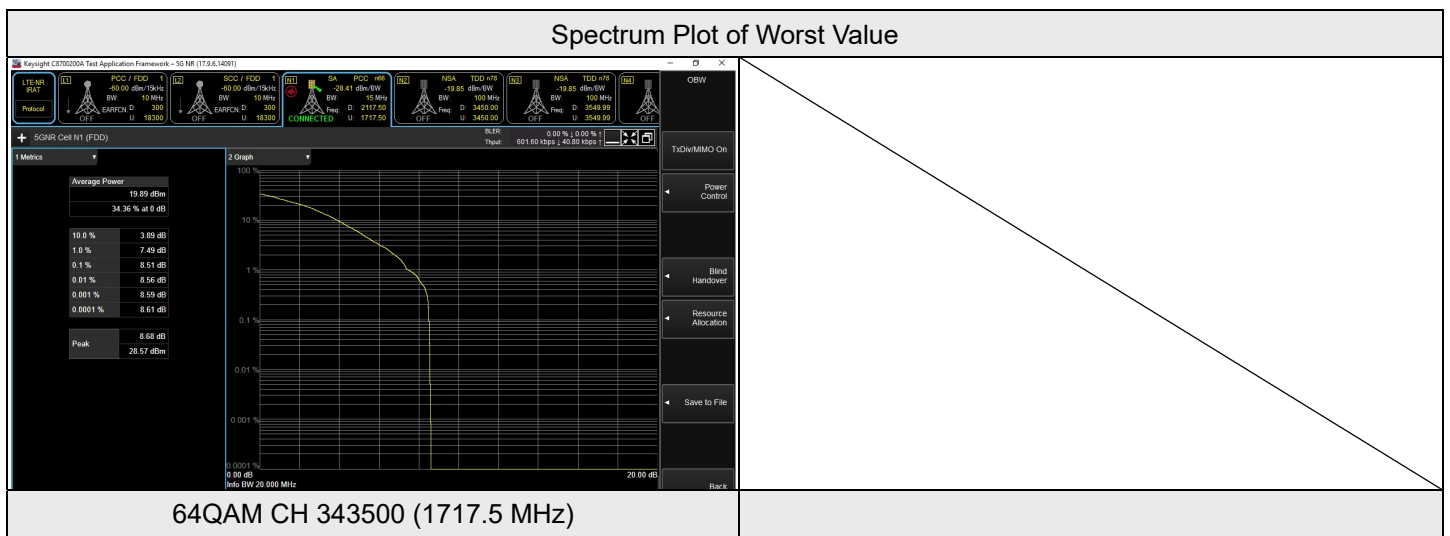
NR n66 SCS 15 kHz, Channel Bandwidth: 10 MHz

| NR n66 SCS 15 kHz 10M | | | | | |
|-----------------------|---------|-----------|----------------------------|-----------|-----------|
| Modulation | RB Size | RB Offset | Peak To Average Ratio (dB) | | |
| | | | CH 343000 | CH 349000 | CH 355000 |
| | | | 1715 MHz | 1745 MHz | 1775 MHz |
| BPSK | 1 | 0 | 4.61 | 3.59 | 3.49 |
| QPSK | 1 | 0 | 6.90 | 7.69 | 6.32 |
| 16QAM | 1 | 0 | 8.00 | 8.04 | 7.91 |
| 64QAM | 1 | 0 | 8.33 | 8.14 | 7.57 |
| 256QAM | 1 | 0 | 9.27 | 8.86 | 8.39 |



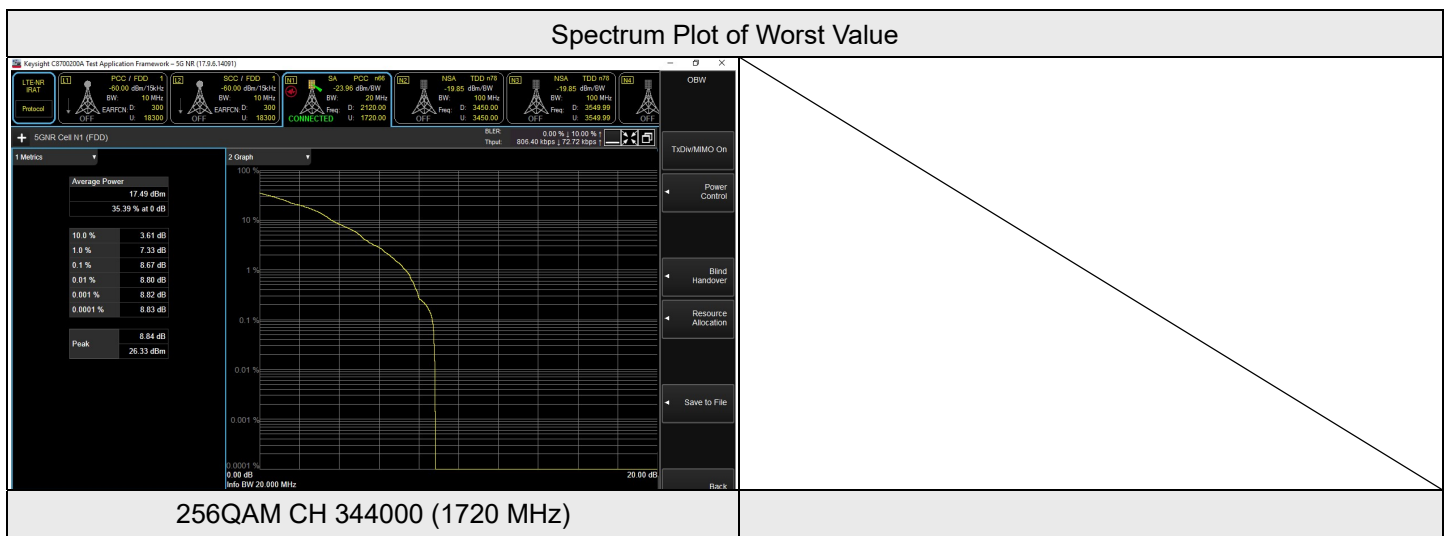
NR n66 SCS 15 kHz, Channel Bandwidth: 15 MHz

| NR n66 SCS 15 kHz 15M | | | | | |
|-----------------------|---------|-----------|----------------------------|-----------|------------|
| Modulation | RB Size | RB Offset | Peak To Average Ratio (dB) | | |
| | | | CH 343500 | CH 349000 | CH 354500 |
| | | | 1717.5 MHz | 1745 MHz | 1772.5 MHz |
| BPSK | 1 | 0 | 3.94 | 4.23 | 4.30 |
| QPSK | 1 | 0 | 8.48 | 7.41 | 7.71 |
| 16QAM | 1 | 0 | 7.29 | 7.24 | 6.62 |
| 64QAM | 1 | 0 | 8.51 | 8.14 | 8.30 |
| 256QAM | 1 | 0 | 7.66 | 8.43 | 8.38 |



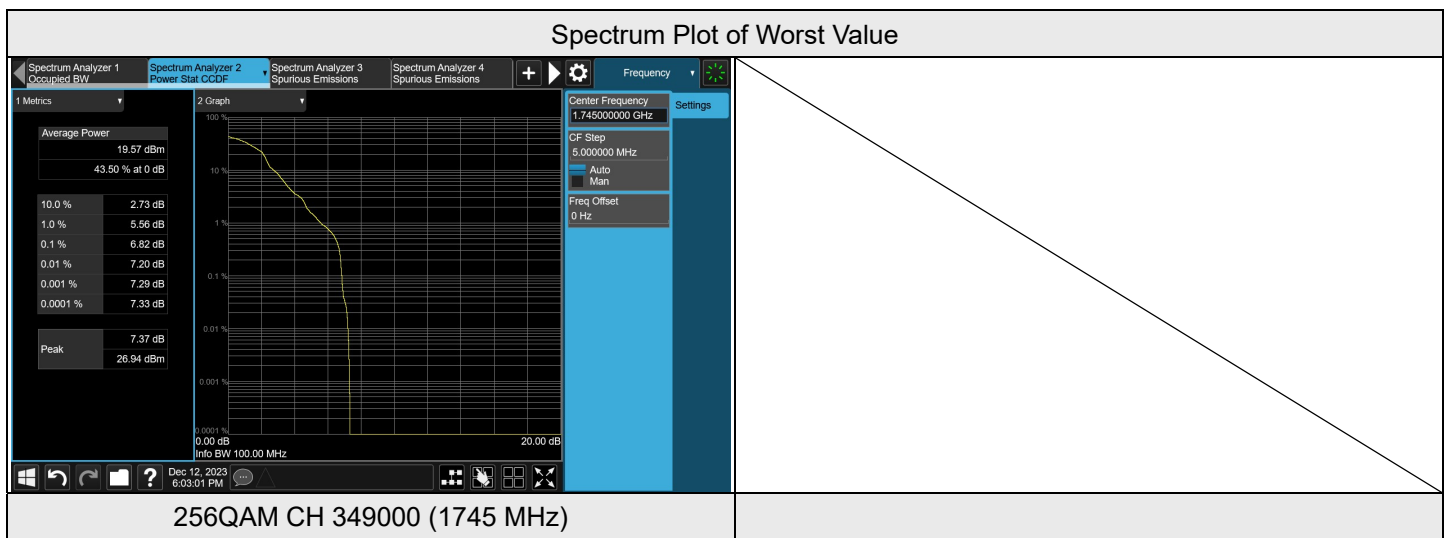
NR n66 SCS 15 kHz, Channel Bandwidth: 20 MHz

| NR n66 SCS 15 kHz 20M | | | | | |
|-----------------------|---------|-----------|----------------------------|-----------|-----------|
| Modulation | RB Size | RB Offset | Peak To Average Ratio (dB) | | |
| | | | CH 344000 | CH 349000 | CH 354000 |
| | | | 1720 MHz | 1745 MHz | 1770 MHz |
| BPSK | 1 | 0 | 4.58 | 3.53 | 4.39 |
| QPSK | 1 | 0 | 6.87 | 6.58 | 6.04 |
| 16QAM | 1 | 0 | 7.13 | 7.59 | 7.16 |
| 64QAM | 1 | 0 | 8.36 | 7.39 | 7.71 |
| 256QAM | 1 | 0 | 8.67 | 8.30 | 8.16 |



NR n66 SCS 15 kHz, Channel Bandwidth: 40 MHz

| NR n66 SCS 15 kHz 40M | | | | | |
|-----------------------|---------|-----------|----------------------------|-----------|-----------|
| Modulation | RB Size | RB Offset | Peak To Average Ratio (dB) | | |
| | | | CH 346000 | CH 349000 | CH 352000 |
| | | | 1730 MHz | 1745 MHz | 1760 MHz |
| BPSK | 1 | 0 | 4.13 | 4.18 | 4.05 |
| QPSK | 1 | 0 | 5.44 | 5.52 | 5.25 |
| 16QAM | 1 | 0 | 6.37 | 5.66 | 5.97 |
| 64QAM | 1 | 0 | 6.33 | 5.79 | 5.95 |
| 256QAM | 1 | 0 | 6.75 | 6.82 | 6.59 |

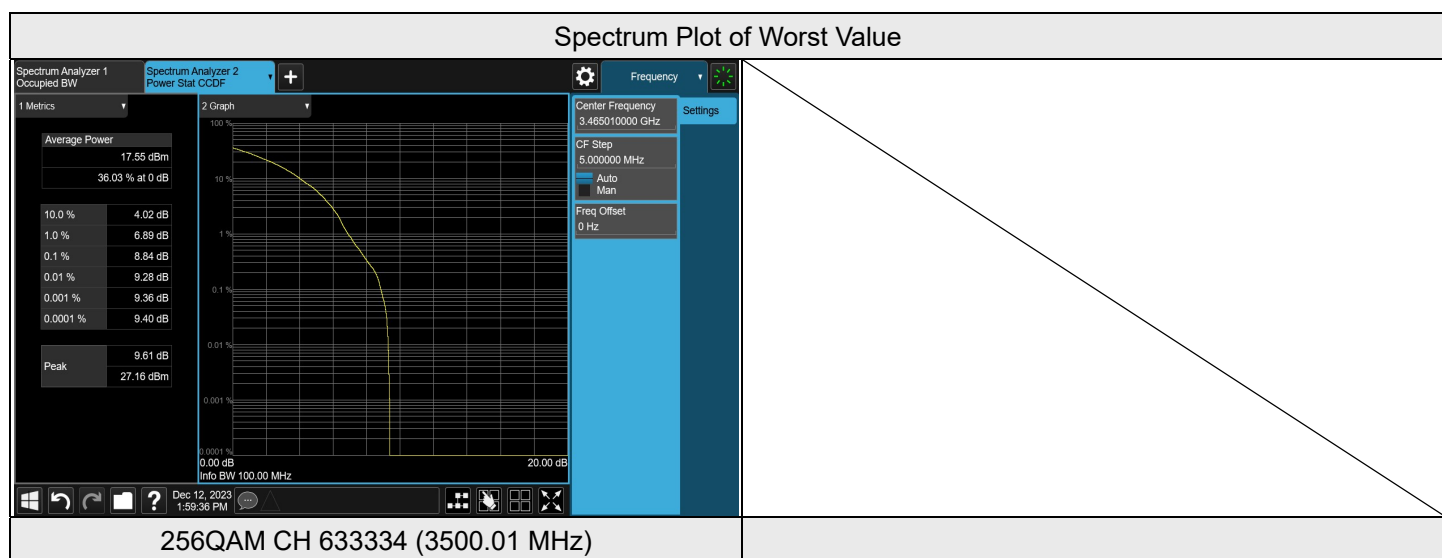


7.3.6 NR n77 (3450-3550 MHz) SCS 30 kHz

NR n77 (3450-3550 MHz) SCS 30 kHz, Channel Bandwidth: 10 MHz

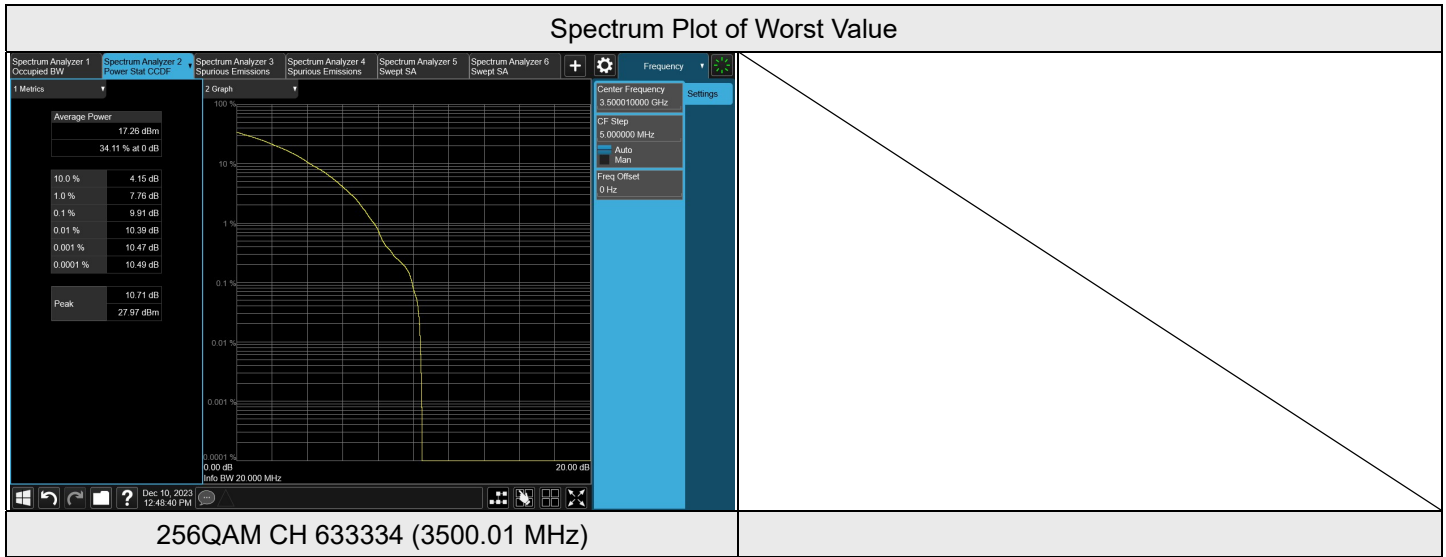
Chain 0

| NR n77 SCS 30 kHz (3450-3550 MHz) 10M | | | | | |
|---------------------------------------|---------|-----------|----------------------------|-------------|-------------|
| Modulation | RB Size | RB Offset | Peak To Average Ratio (dB) | | |
| | | | CH 630334 | CH 633334 | CH 636332 |
| | | | 3455.01 MHz | 3500.01 MHz | 3544.98 MHz |
| QPSK | 1 | 0 | 5.68 | 5.90 | 5.94 |
| 16QAM | 1 | 0 | 6.21 | 6.58 | 6.64 |
| 64QAM | 1 | 0 | 7.92 | 7.90 | 8.11 |
| 256QAM | 1 | 0 | 8.56 | 8.84 | 7.77 |



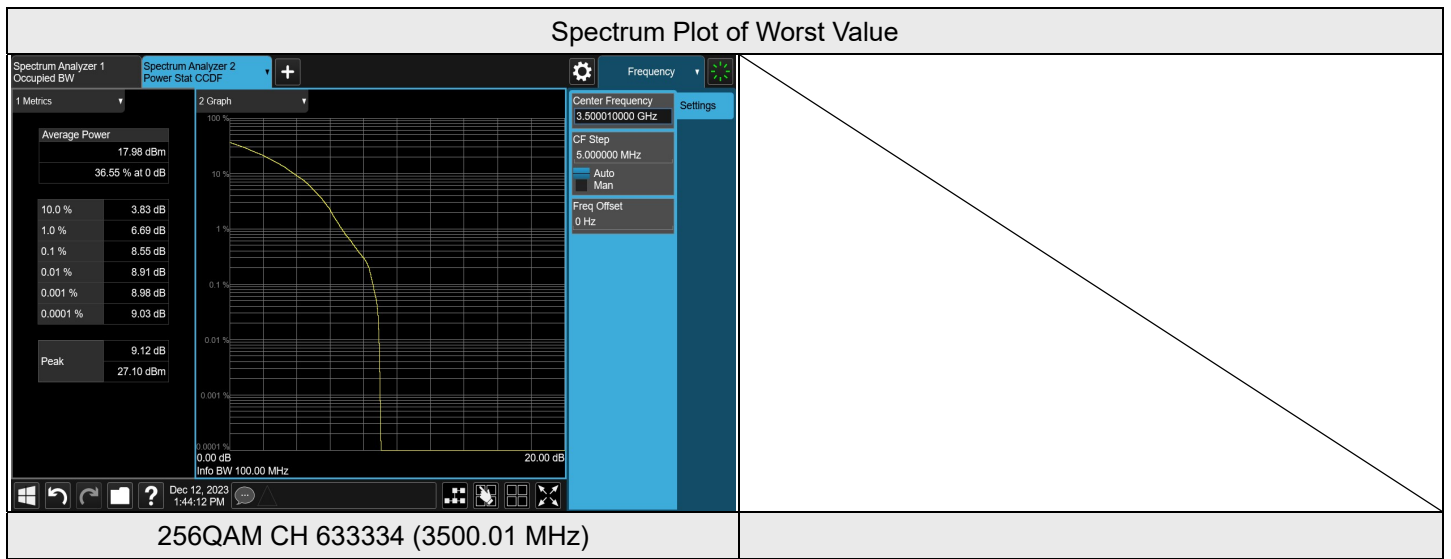
Chain 1

| NR n77 SCS 30 kHz (3450-3550 MHz) 10M | | | | | |
|---------------------------------------|---------|-----------|----------------------------|-------------|-------------|
| Modulation | RB Size | RB Offset | Peak To Average Ratio (dB) | | |
| | | | CH 630334 | CH 633334 | CH 636332 |
| | | | 3455.01 MHz | 3500.01 MHz | 3544.98 MHz |
| QPSK | 1 | 0 | 6.04 | 6.71 | 6.30 |
| 16QAM | 1 | 0 | 6.66 | 6.70 | 6.60 |
| 64QAM | 1 | 0 | 7.41 | 7.66 | 7.47 |
| 256QAM | 1 | 0 | 9.46 | 9.91 | 9.28 |



NR n77 (3450-3550 MHz) SCS 30 kHz, Channel Bandwidth: 15 MHz
Chain 0

| NR n77 SCS 30 kHz (3450-3550 MHz) 15M | | | | | |
|---------------------------------------|---------|-----------|----------------------------|-------------|-------------|
| Modulation | RB Size | RB Offset | Peak To Average Ratio (dB) | | |
| | | | CH 630500 | CH 633334 | CH 636166 |
| | | | 3457.5 MHz | 3500.01 MHz | 3542.49 MHz |
| QPSK | 1 | 0 | 5.67 | 5.75 | 6.09 |
| 16QAM | 1 | 0 | 6.21 | 6.48 | 6.83 |
| 64QAM | 1 | 0 | 7.88 | 7.54 | 7.93 |
| 256QAM | 1 | 0 | 8.50 | 8.55 | 8.06 |



Chain 1

| NR n77 SCS 30 kHz (3450-3550 MHz) 15M | | | | | |
|---------------------------------------|---------|-----------|----------------------------|-------------|-------------|
| Modulation | RB Size | RB Offset | Peak To Average Ratio (dB) | | |
| | | | CH 630500 | CH 633334 | CH 636166 |
| | | | 3457.5 MHz | 3500.01 MHz | 3542.49 MHz |
| QPSK | 1 | 0 | 6.38 | 6.12 | 6.56 |
| 16QAM | 1 | 0 | 6.73 | 6.46 | 6.41 |
| 64QAM | 1 | 0 | 7.74 | 7.46 | 7.18 |
| 256QAM | 1 | 0 | 9.55 | 9.26 | 9.05 |

