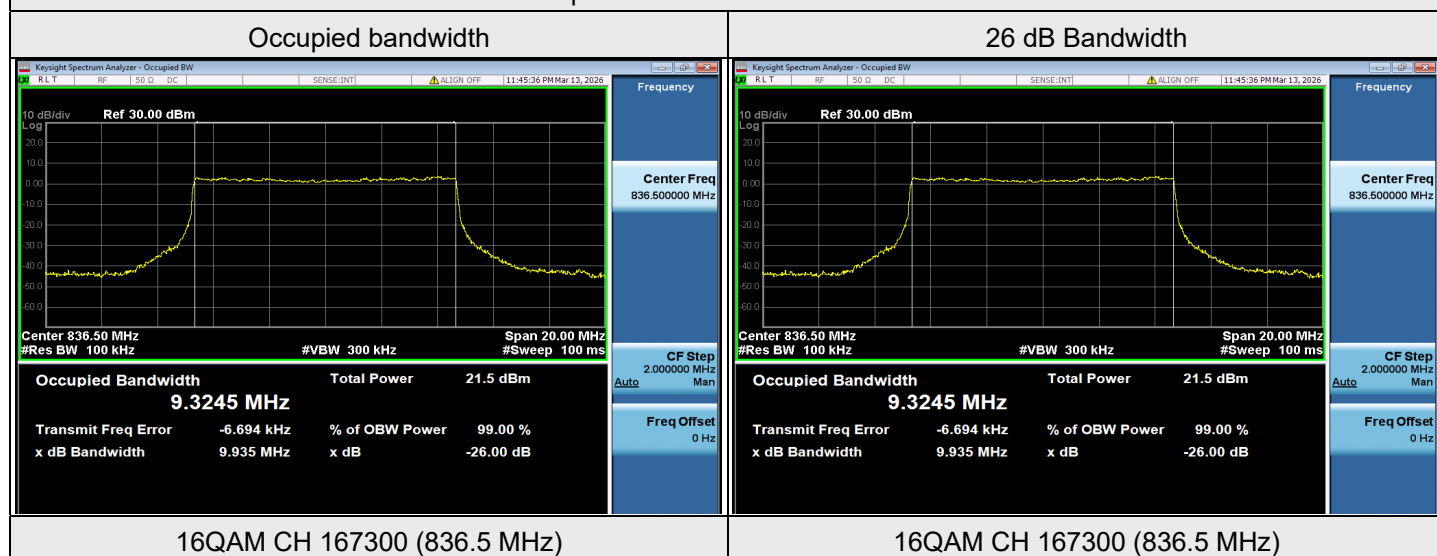


# NR n26 SCS 15 kHz (824 MHz ~ 849 MHz), Channel Bandwidth: 10 MHz

| Modulation | Channel | Frequency (MHz) | Occupied Bandwidth (MHz) | 26 dB Bandwidth (MHz) |
|------------|---------|-----------------|--------------------------|-----------------------|
| QPSK       | 165800  | 829             | 9.2595                   | 9.802                 |
| QPSK       | 167300  | 836.5           | 9.3006                   | 9.922                 |
| QPSK       | 168800  | 844             | 9.2437                   | 9.694                 |
| BPSK       | 165800  | 829             | 8.9088                   | 9.333                 |
| BPSK       | 167300  | 836.5           | 8.9510                   | 9.395                 |
| BPSK       | 168800  | 844             | 8.8970                   | 9.272                 |
| 16QAM      | 165800  | 829             | 9.2815                   | 9.839                 |
| 16QAM      | 167300  | 836.5           | 9.3245                   | 9.935                 |
| 16QAM      | 168800  | 844             | 9.2661                   | 9.843                 |
| 64QAM      | 165800  | 829             | 9.2668                   | 9.813                 |
| 64QAM      | 167300  | 836.5           | 9.3044                   | 9.913                 |
| 64QAM      | 168800  | 844             | 9.2585                   | 9.791                 |
| 256QAM     | 165800  | 829             | 9.2705                   | 9.773                 |
| 256QAM     | 167300  | 836.5           | 9.3151                   | 9.897                 |
| 256QAM     | 168800  | 844             | 9.2583                   | 9.744                 |

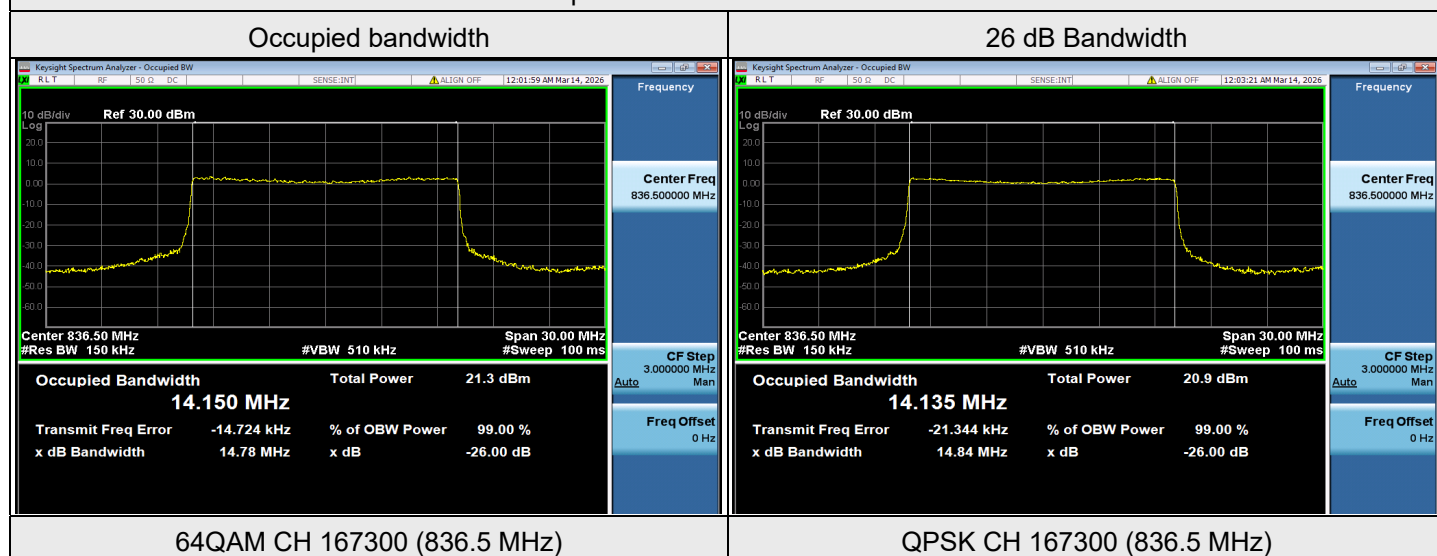
## Spectrum Plot of Worst Value



# NR n26 SCS 15 kHz (824 MHz ~ 849 MHz), Channel Bandwidth: 15 MHz

| Modulation | Channel | Frequency (MHz) | Occupied Bandwidth (MHz) | 26 dB Bandwidth (MHz) |
|------------|---------|-----------------|--------------------------|-----------------------|
| QPSK       | 166300  | 831.5           | 14.0981                  | 14.750                |
| QPSK       | 167300  | 836.5           | 14.1352                  | 14.839                |
| QPSK       | 168300  | 841.5           | 14.0682                  | 14.704                |
| BPSK       | 166300  | 831.5           | 13.4026                  | 13.929                |
| BPSK       | 167300  | 836.5           | 13.4473                  | 14.028                |
| BPSK       | 168300  | 841.5           | 13.3615                  | 13.950                |
| 16QAM      | 166300  | 831.5           | 14.0999                  | 14.739                |
| 16QAM      | 167300  | 836.5           | 14.1332                  | 14.816                |
| 16QAM      | 168300  | 841.5           | 14.0526                  | 14.627                |
| 64QAM      | 166300  | 831.5           | 14.1070                  | 14.746                |
| 64QAM      | 167300  | 836.5           | 14.1497                  | 14.777                |
| 64QAM      | 168300  | 841.5           | 14.0661                  | 14.703                |
| 256QAM     | 166300  | 831.5           | 14.0784                  | 14.693                |
| 256QAM     | 167300  | 836.5           | 14.1244                  | 14.726                |
| 256QAM     | 168300  | 841.5           | 14.0367                  | 14.667                |

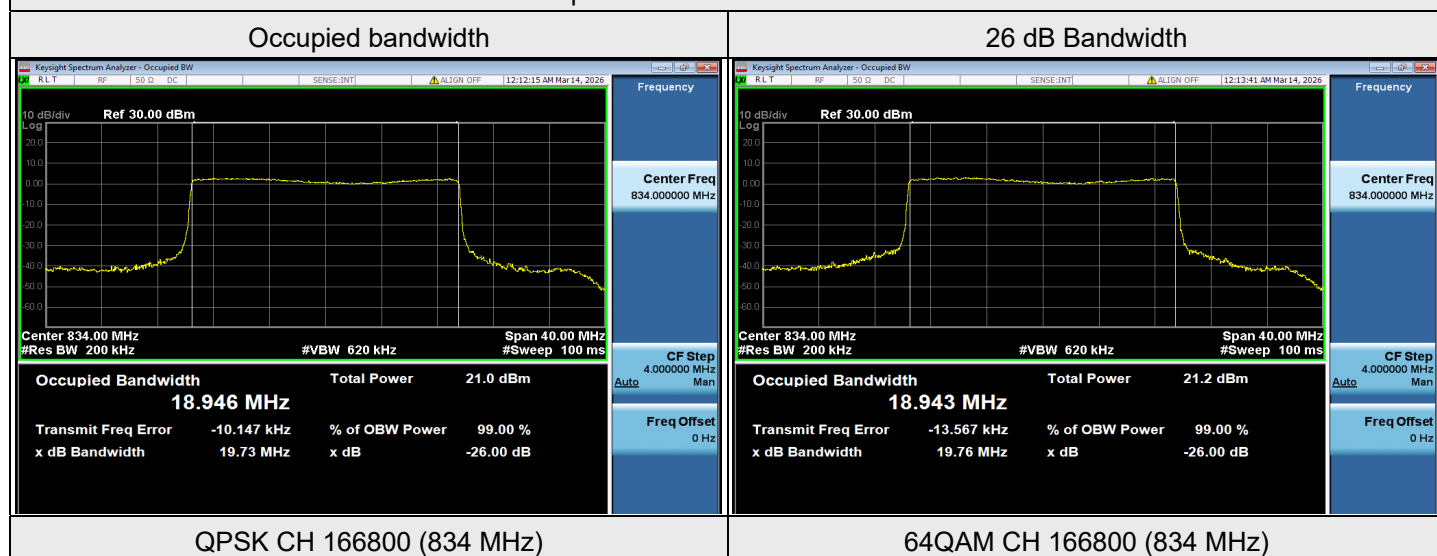
## Spectrum Plot of Worst Value



# NR n26 SCS 15 kHz (824 MHz ~ 849 MHz), Channel Bandwidth: 20 MHz

| Modulation | Channel | Frequency (MHz) | Occupied Bandwidth (MHz) | 26 dB Bandwidth (MHz) |
|------------|---------|-----------------|--------------------------|-----------------------|
| QPSK       | 166800  | 834             | 18.9458                  | 19.733                |
| QPSK       | 167300  | 836.5           | 18.9206                  | 19.735                |
| QPSK       | 167800  | 839             | 18.8997                  | 19.681                |
| BPSK       | 166800  | 834             | 17.8889                  | 18.584                |
| BPSK       | 167300  | 836.5           | 17.8651                  | 18.523                |
| BPSK       | 167800  | 839             | 17.8334                  | 18.532                |
| 16QAM      | 166800  | 834             | 18.9360                  | 19.668                |
| 16QAM      | 167300  | 836.5           | 18.9112                  | 19.687                |
| 16QAM      | 167800  | 839             | 18.8950                  | 19.698                |
| 64QAM      | 166800  | 834             | 18.9426                  | 19.765                |
| 64QAM      | 167300  | 836.5           | 18.9142                  | 19.634                |
| 64QAM      | 167800  | 839             | 18.8851                  | 19.623                |
| 256QAM     | 166800  | 834             | 18.9363                  | 19.658                |
| 256QAM     | 167300  | 836.5           | 18.9085                  | 19.630                |
| 256QAM     | 167800  | 839             | 18.8835                  | 19.599                |

## Spectrum Plot of Worst Value

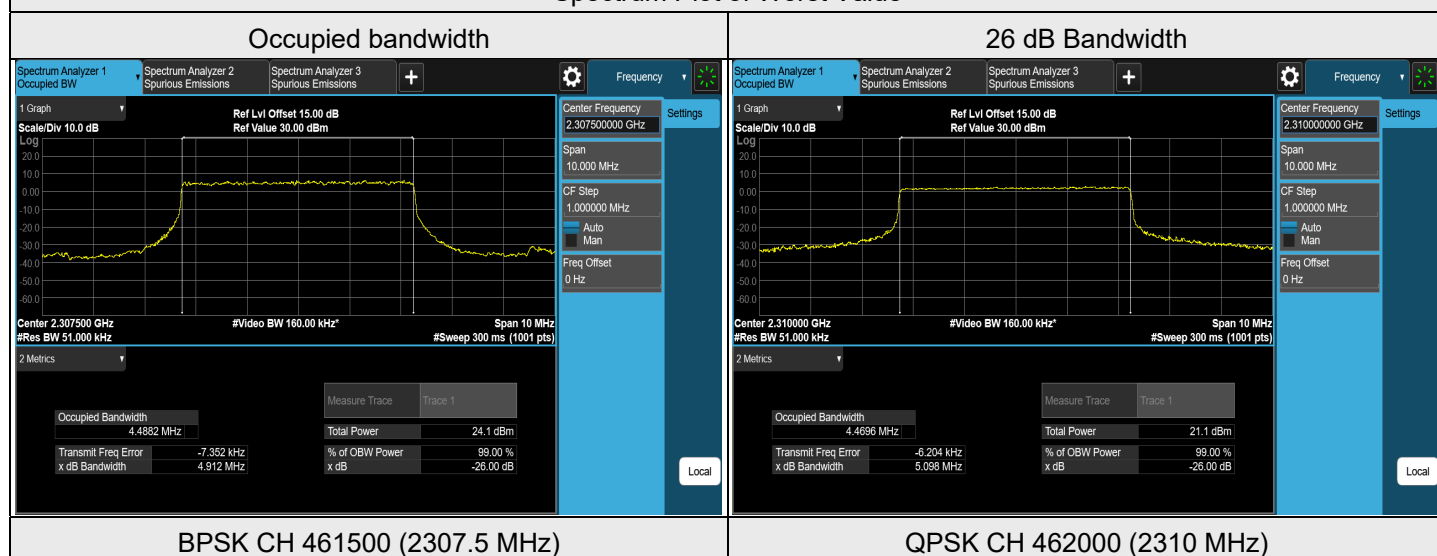


#### 7.4.10NR n30 SCS 15 kHz

#### NR n30 SCS 15 kHz, MIMO-Ant 0, Channel Bandwidth: 5 MHz

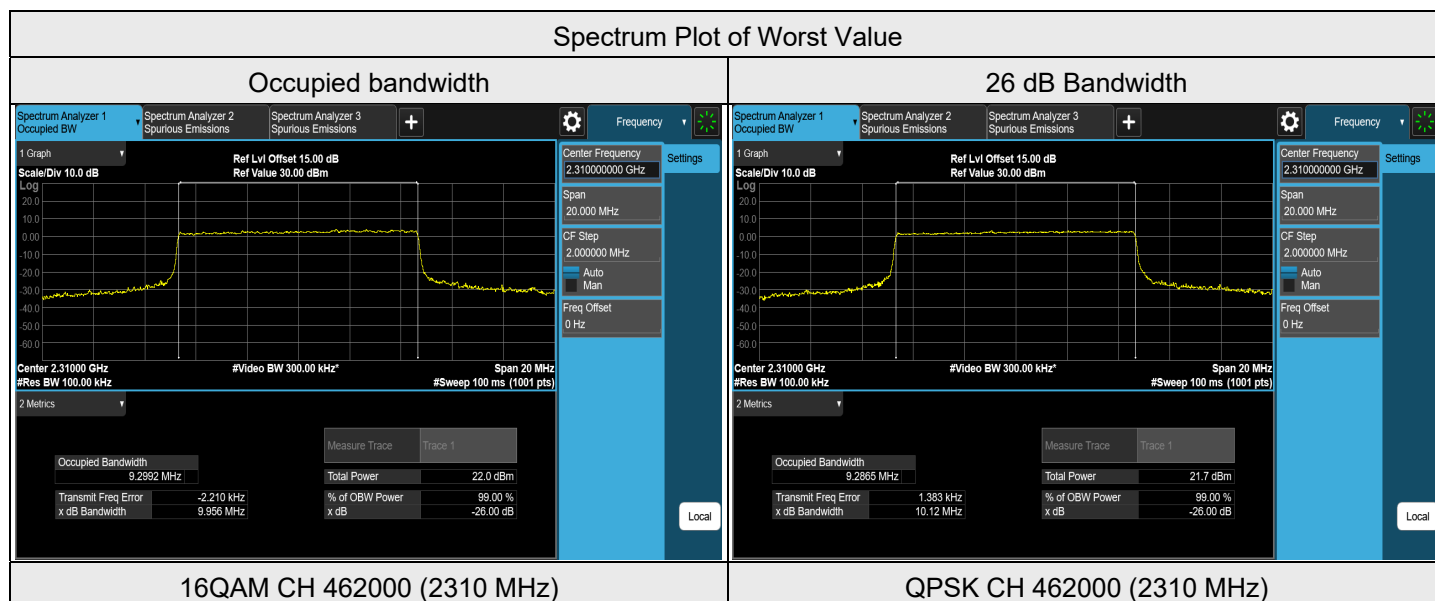
| Modulation | Channel | Frequency (MHz) | Occupied Bandwidth (MHz) | 26 dB Bandwidth (MHz) |
|------------|---------|-----------------|--------------------------|-----------------------|
| QPSK       | 461500  | 2307.5          | 4.4696                   | 5.078                 |
| QPSK       | 462000  | 2310            | 4.4696                   | 5.098                 |
| QPSK       | 462500  | 2312.5          | 4.4675                   | 5.016                 |
| BPSK       | 461500  | 2307.5          | 4.4882                   | 4.912                 |
| BPSK       | 462000  | 2310            | 4.4796                   | 4.859                 |
| BPSK       | 462500  | 2312.5          | 4.4868                   | 4.890                 |
| 16QAM      | 461500  | 2307.5          | 4.4747                   | 4.997                 |
| 16QAM      | 462000  | 2310            | 4.4756                   | 5.082                 |
| 16QAM      | 462500  | 2312.5          | 4.4720                   | 5.024                 |
| 64QAM      | 461500  | 2307.5          | 4.4730                   | 4.925                 |
| 64QAM      | 462000  | 2310            | 4.4744                   | 4.964                 |
| 64QAM      | 462500  | 2312.5          | 4.4658                   | 4.850                 |
| 256QAM     | 461500  | 2307.5          | 4.4799                   | 4.908                 |
| 256QAM     | 462000  | 2310            | 4.4749                   | 4.858                 |
| 256QAM     | 462500  | 2312.5          | 4.4750                   | 4.906                 |

#### Spectrum Plot of Worst Value



# NR n30 SCS 15 kHz, MIMO-Ant 0, Channel Bandwidth: 10 MHz

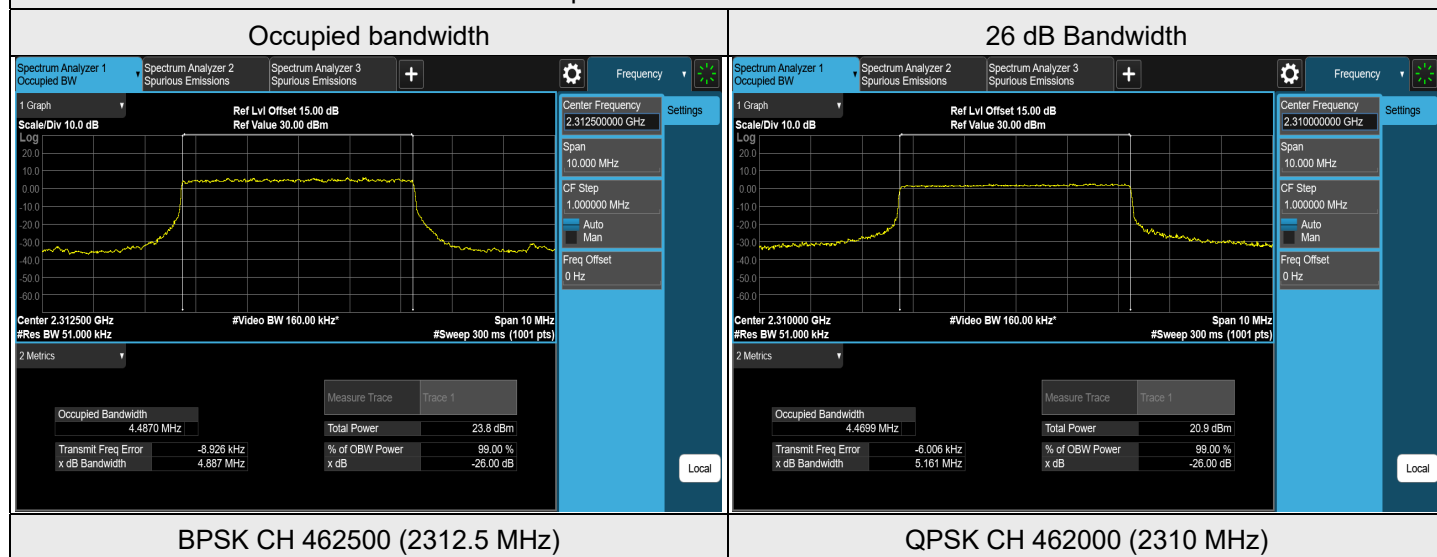
| Modulation | Channel | Frequency (MHz) | Occupied Bandwidth (MHz) | 26 dB Bandwidth (MHz) |
|------------|---------|-----------------|--------------------------|-----------------------|
| QPSK       | 462000  | 2310            | 9.2865                   | 10.123                |
| BPSK       | 462000  | 2310            | 8.9229                   | 9.378                 |
| 16QAM      | 462000  | 2310            | 9.2992                   | 9.956                 |
| 64QAM      | 462000  | 2310            | 9.2882                   | 9.871                 |
| 256QAM     | 462000  | 2310            | 9.2874                   | 9.807                 |



# NR n30 SCS 15 kHz, MIMO-Ant 3, Channel Bandwidth: 5 MHz

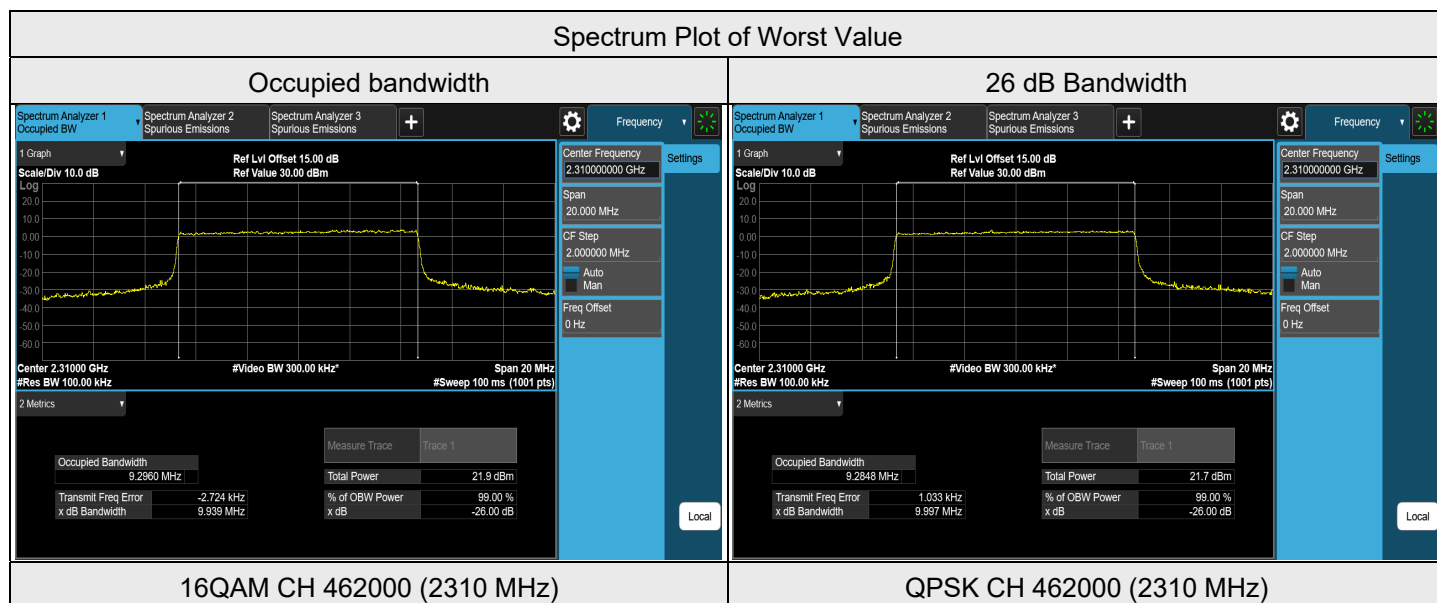
| Modulation | Channel | Frequency (MHz) | Occupied Bandwidth (MHz) | 26 dB Bandwidth (MHz) |
|------------|---------|-----------------|--------------------------|-----------------------|
| QPSK       | 461500  | 2307.5          | 4.4697                   | 5.016                 |
| QPSK       | 462000  | 2310            | 4.4699                   | 5.161                 |
| QPSK       | 462500  | 2312.5          | 4.4677                   | 5.159                 |
| BPSK       | 461500  | 2307.5          | 4.4869                   | 4.886                 |
| BPSK       | 462000  | 2310            | 4.4805                   | 4.871                 |
| BPSK       | 462500  | 2312.5          | 4.4870                   | 4.887                 |
| 16QAM      | 461500  | 2307.5          | 4.4757                   | 5.017                 |
| 16QAM      | 462000  | 2310            | 4.4755                   | 5.111                 |
| 16QAM      | 462500  | 2312.5          | 4.4712                   | 4.985                 |
| 64QAM      | 461500  | 2307.5          | 4.4729                   | 4.922                 |
| 64QAM      | 462000  | 2310            | 4.4757                   | 4.934                 |
| 64QAM      | 462500  | 2312.5          | 4.4651                   | 4.895                 |
| 256QAM     | 461500  | 2307.5          | 4.4811                   | 4.896                 |
| 256QAM     | 462000  | 2310            | 4.4753                   | 4.877                 |
| 256QAM     | 462500  | 2312.5          | 4.4731                   | 4.886                 |

## Spectrum Plot of Worst Value



# NR n30 SCS 15 kHz, MIMO-Ant 3, Channel Bandwidth: 10 MHz

| Modulation | Channel | Frequency (MHz) | Occupied Bandwidth (MHz) | 26 dB Bandwidth (MHz) |
|------------|---------|-----------------|--------------------------|-----------------------|
| QPSK       | 462000  | 2310            | 9.2848                   | 9.997                 |
| BPSK       | 462000  | 2310            | 8.9241                   | 9.386                 |
| 16QAM      | 462000  | 2310            | 9.2960                   | 9.939                 |
| 64QAM      | 462000  | 2310            | 9.2902                   | 9.886                 |
| 256QAM     | 462000  | 2310            | 9.2871                   | 9.750                 |

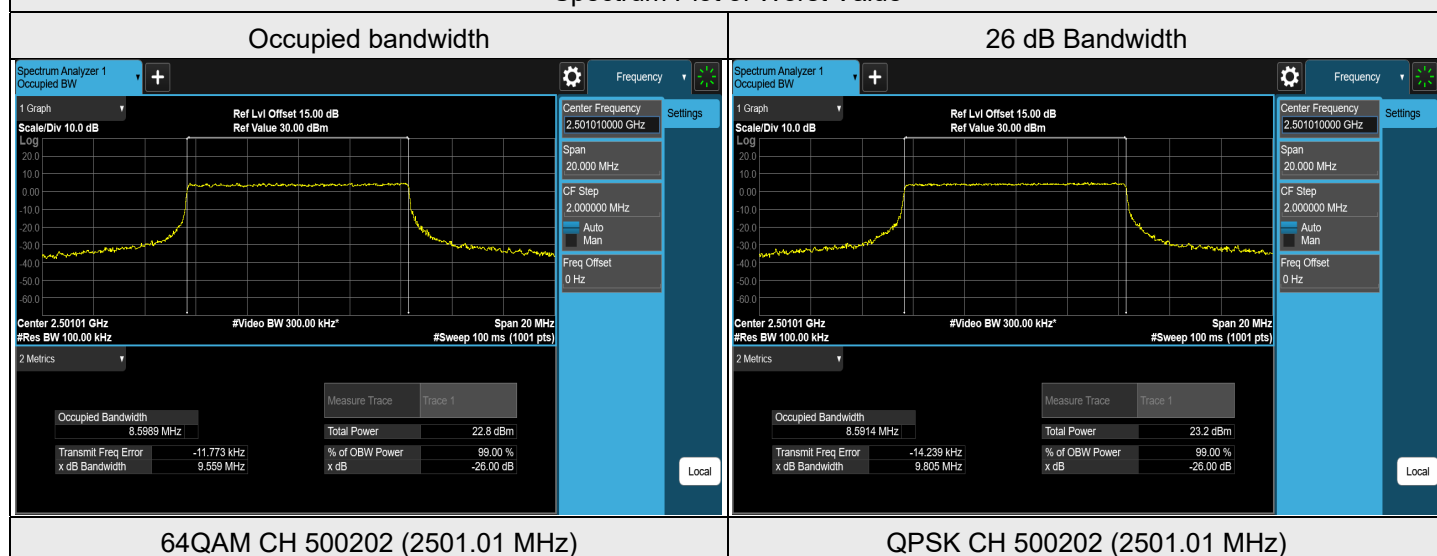


#### 7.4.11NR n41 SCS 30 kHz

#### NR n41 SCS 30 kHz, PC1.5\_MIMO-Ant 0, Channel Bandwidth: 10 MHz

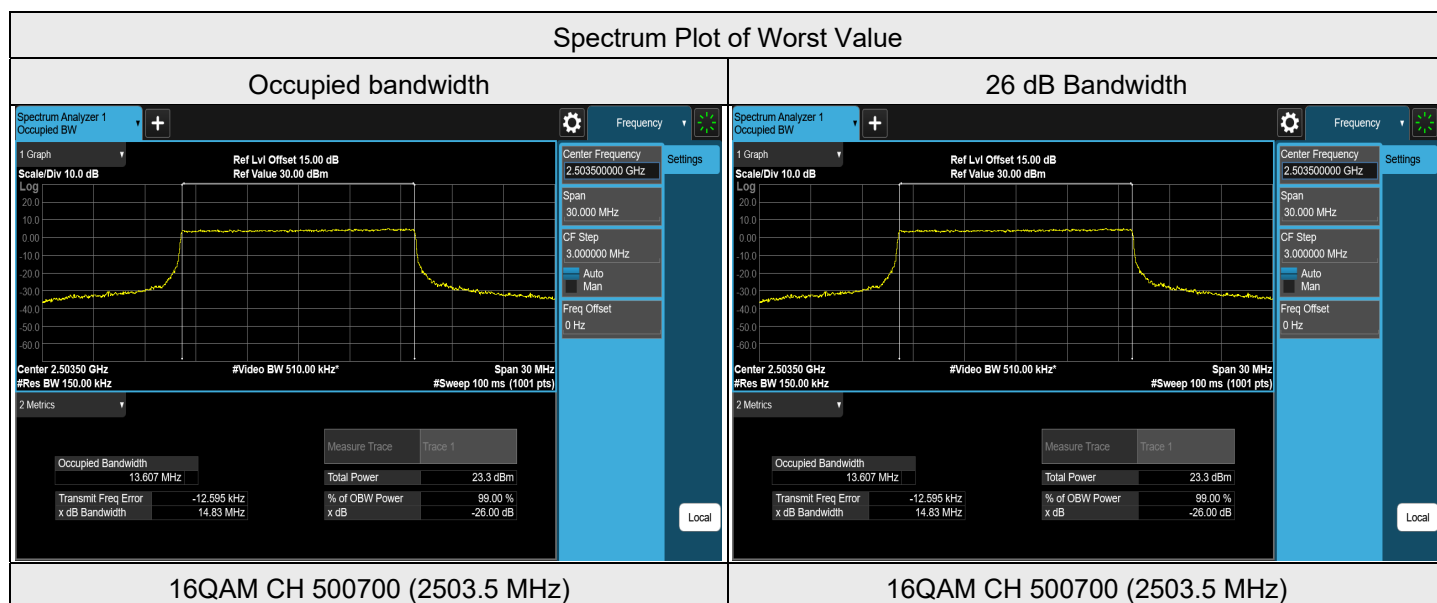
| Modulation | Channel | Frequency (MHz) | Occupied Bandwidth (MHz) | 26 dB Bandwidth (MHz) |
|------------|---------|-----------------|--------------------------|-----------------------|
| QPSK       | 500202  | 2501.01         | 8.5914                   | 9.805                 |
| QPSK       | 518598  | 2592.99         | 8.5915                   | 9.776                 |
| QPSK       | 537000  | 2685            | 8.5935                   | 9.698                 |
| BPSK       | 500202  | 2501.01         | 8.5760                   | 9.402                 |
| BPSK       | 518598  | 2592.99         | 8.5847                   | 9.243                 |
| BPSK       | 537000  | 2685            | 8.5883                   | 9.364                 |
| 16QAM      | 500202  | 2501.01         | 8.5930                   | 9.541                 |
| 16QAM      | 518598  | 2592.99         | 8.5767                   | 9.522                 |
| 16QAM      | 537000  | 2685            | 8.5865                   | 9.612                 |
| 64QAM      | 500202  | 2501.01         | 8.5989                   | 9.559                 |
| 64QAM      | 518598  | 2592.99         | 8.5924                   | 9.409                 |
| 64QAM      | 537000  | 2685            | 8.5895                   | 9.526                 |
| 256QAM     | 500202  | 2501.01         | 8.5842                   | 9.439                 |
| 256QAM     | 518598  | 2592.99         | 8.5849                   | 9.388                 |
| 256QAM     | 537000  | 2685            | 8.5778                   | 9.382                 |

#### Spectrum Plot of Worst Value



# NR n41 SCS 30 kHz, PC1.5\_MIMO-Ant 0, Channel Bandwidth: 15 MHz

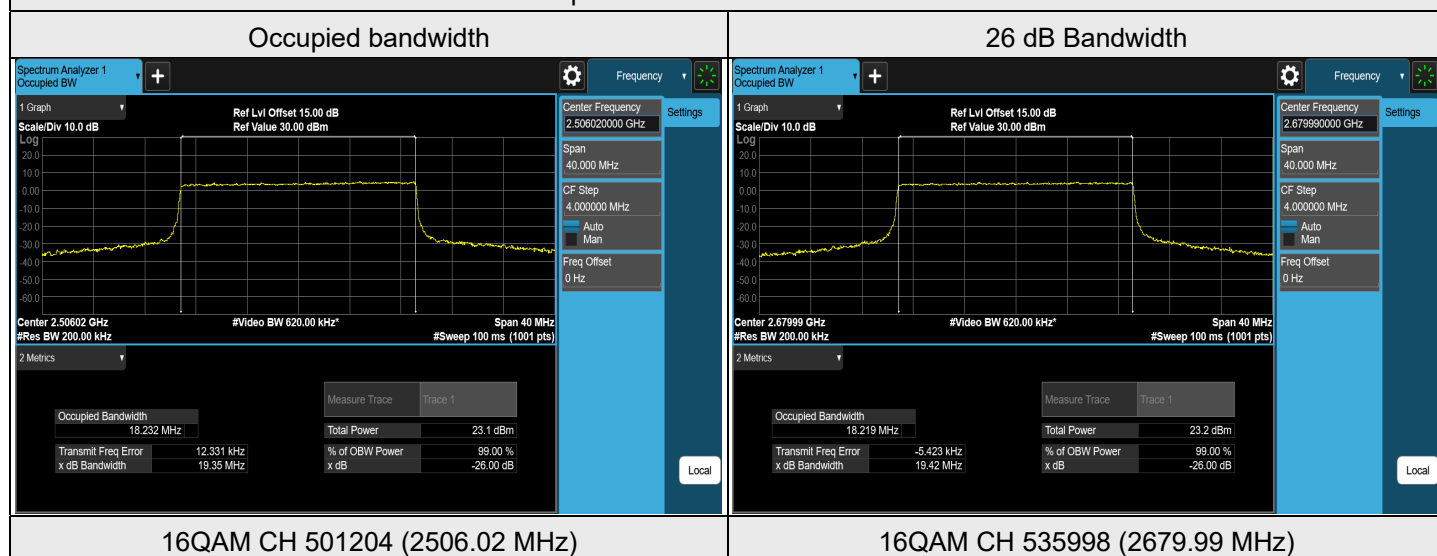
| Modulation | Channel | Frequency (MHz) | Occupied Bandwidth (MHz) | 26 dB Bandwidth (MHz) |
|------------|---------|-----------------|--------------------------|-----------------------|
| QPSK       | 500700  | 2503.5          | 13.5794                  | 14.742                |
| QPSK       | 518598  | 2592.99         | 13.5785                  | 14.607                |
| QPSK       | 536496  | 2682.48         | 13.5734                  | 14.526                |
| BPSK       | 500700  | 2503.5          | 12.8915                  | 13.826                |
| BPSK       | 518598  | 2592.99         | 12.8722                  | 13.957                |
| BPSK       | 536496  | 2682.48         | 12.8695                  | 13.638                |
| 16QAM      | 500700  | 2503.5          | 13.6070                  | 14.832                |
| 16QAM      | 518598  | 2592.99         | 13.5973                  | 14.654                |
| 16QAM      | 536496  | 2682.48         | 13.6015                  | 14.779                |
| 64QAM      | 500700  | 2503.5          | 13.5833                  | 14.538                |
| 64QAM      | 518598  | 2592.99         | 13.5763                  | 14.361                |
| 64QAM      | 536496  | 2682.48         | 13.5803                  | 14.452                |
| 256QAM     | 500700  | 2503.5          | 13.5776                  | 14.561                |
| 256QAM     | 518598  | 2592.99         | 13.5803                  | 14.320                |
| 256QAM     | 536496  | 2682.48         | 13.5758                  | 14.511                |



# NR n41 SCS 30 kHz, PC1.5\_MIMO-Ant 0, Channel Bandwidth: 20 MHz

| Modulation | Channel | Frequency (MHz) | Occupied Bandwidth (MHz) | 26 dB Bandwidth (MHz) |
|------------|---------|-----------------|--------------------------|-----------------------|
| QPSK       | 501204  | 2506.02         | 18.2104                  | 19.249                |
| QPSK       | 518598  | 2592.99         | 18.2115                  | 19.378                |
| QPSK       | 535998  | 2679.99         | 18.2180                  | 19.376                |
| BPSK       | 501204  | 2506.02         | 17.8674                  | 18.677                |
| BPSK       | 518598  | 2592.99         | 17.8715                  | 18.786                |
| BPSK       | 535998  | 2679.99         | 17.8605                  | 18.701                |
| 16QAM      | 501204  | 2506.02         | 18.2316                  | 19.354                |
| 16QAM      | 518598  | 2592.99         | 18.2277                  | 19.298                |
| 16QAM      | 535998  | 2679.99         | 18.2189                  | 19.422                |
| 64QAM      | 501204  | 2506.02         | 18.2090                  | 19.121                |
| 64QAM      | 518598  | 2592.99         | 18.2106                  | 19.209                |
| 64QAM      | 535998  | 2679.99         | 18.1972                  | 19.183                |
| 256QAM     | 501204  | 2506.02         | 18.2238                  | 19.223                |
| 256QAM     | 518598  | 2592.99         | 18.2188                  | 19.200                |
| 256QAM     | 535998  | 2679.99         | 18.2151                  | 19.348                |

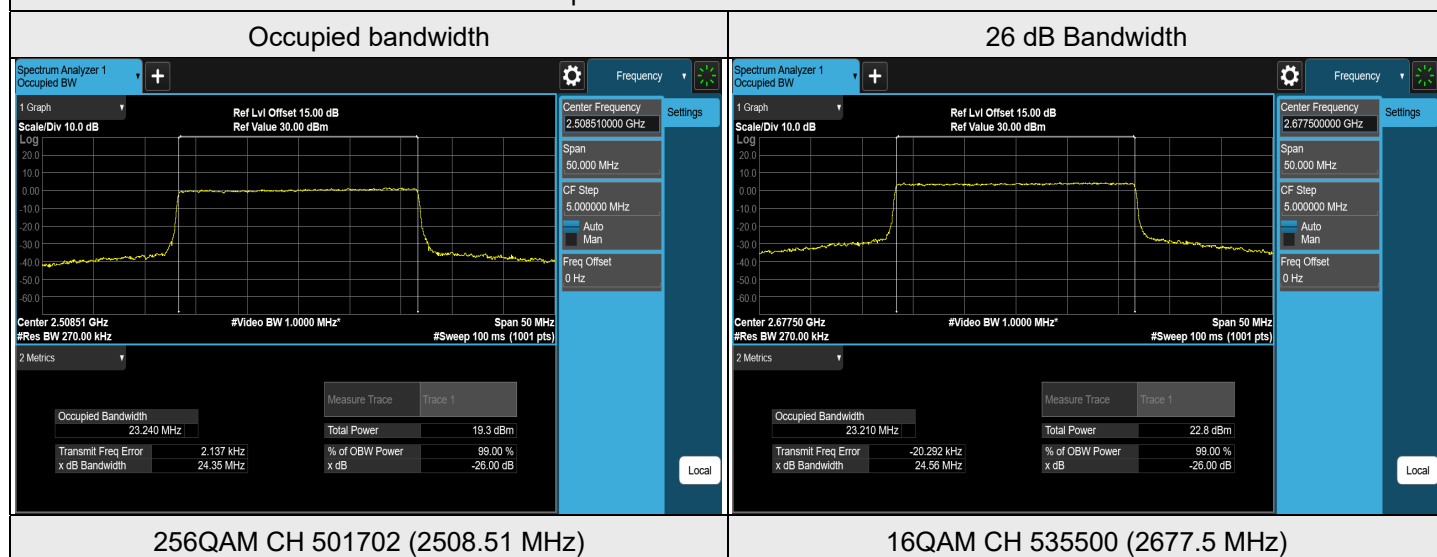
## Spectrum Plot of Worst Value



# NR n41 SCS 30 kHz, PC1.5\_MIMO-Ant 0, Channel Bandwidth: 25 MHz

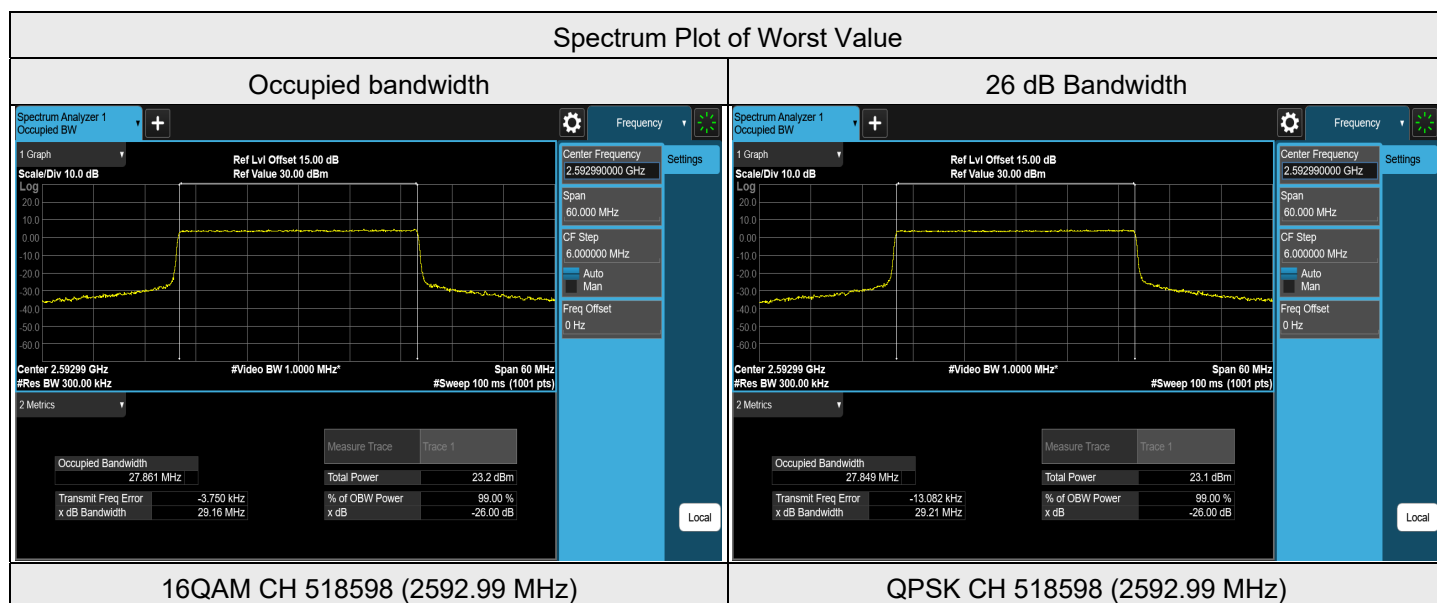
| Modulation | Channel | Frequency (MHz) | Occupied Bandwidth (MHz) | 26 dB Bandwidth (MHz) |
|------------|---------|-----------------|--------------------------|-----------------------|
| QPSK       | 501702  | 2508.51         | 23.2168                  | 24.346                |
| QPSK       | 518598  | 2592.99         | 23.2229                  | 24.466                |
| QPSK       | 535500  | 2677.5          | 23.2147                  | 24.336                |
| BPSK       | 501702  | 2508.51         | 22.8754                  | 23.981                |
| BPSK       | 518598  | 2592.99         | 22.8510                  | 23.797                |
| BPSK       | 535500  | 2677.5          | 22.8505                  | 23.803                |
| 16QAM      | 501702  | 2508.51         | 23.2217                  | 24.351                |
| 16QAM      | 518598  | 2592.99         | 23.2139                  | 24.442                |
| 16QAM      | 535500  | 2677.5          | 23.2102                  | 24.563                |
| 64QAM      | 501702  | 2508.51         | 23.1906                  | 24.270                |
| 64QAM      | 518598  | 2592.99         | 23.1827                  | 24.274                |
| 64QAM      | 535500  | 2677.5          | 23.1811                  | 24.297                |
| 256QAM     | 501702  | 2508.51         | 23.2395                  | 24.353                |
| 256QAM     | 518598  | 2592.99         | 23.2258                  | 24.383                |
| 256QAM     | 535500  | 2677.5          | 23.2332                  | 24.265                |

## Spectrum Plot of Worst Value



# NR n41 SCS 30 kHz, PC1.5\_MIMO-Ant 0, Channel Bandwidth: 30 MHz

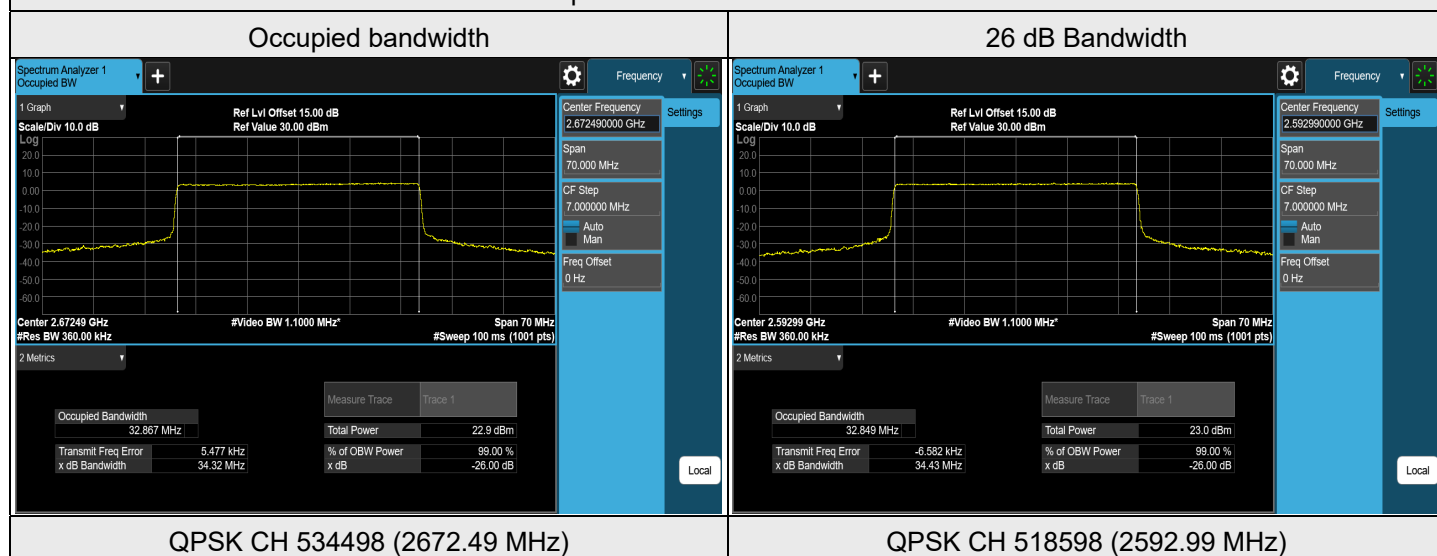
| Modulation | Channel | Frequency (MHz) | Occupied Bandwidth (MHz) | 26 dB Bandwidth (MHz) |
|------------|---------|-----------------|--------------------------|-----------------------|
| QPSK       | 502200  | 2511            | 27.8481                  | 29.079                |
| QPSK       | 518598  | 2592.99         | 27.8487                  | 29.207                |
| QPSK       | 534996  | 2674.98         | 27.8547                  | 29.185                |
| BPSK       | 502200  | 2511            | 26.7731                  | 27.941                |
| BPSK       | 518598  | 2592.99         | 26.7769                  | 27.917                |
| BPSK       | 534996  | 2674.98         | 26.7762                  | 27.961                |
| 16QAM      | 502200  | 2511            | 27.8418                  | 29.051                |
| 16QAM      | 518598  | 2592.99         | 27.8605                  | 29.157                |
| 16QAM      | 534996  | 2674.98         | 27.8544                  | 29.171                |
| 64QAM      | 502200  | 2511            | 27.8349                  | 29.113                |
| 64QAM      | 518598  | 2592.99         | 27.8321                  | 29.041                |
| 64QAM      | 534996  | 2674.98         | 27.8380                  | 29.135                |
| 256QAM     | 502200  | 2511            | 27.8386                  | 28.929                |
| 256QAM     | 518598  | 2592.99         | 27.8550                  | 28.979                |
| 256QAM     | 534996  | 2674.98         | 27.8442                  | 28.911                |



# NR n41 SCS 30 kHz, PC1.5\_MIMO-Ant 0, Channel Bandwidth: 35 MHz

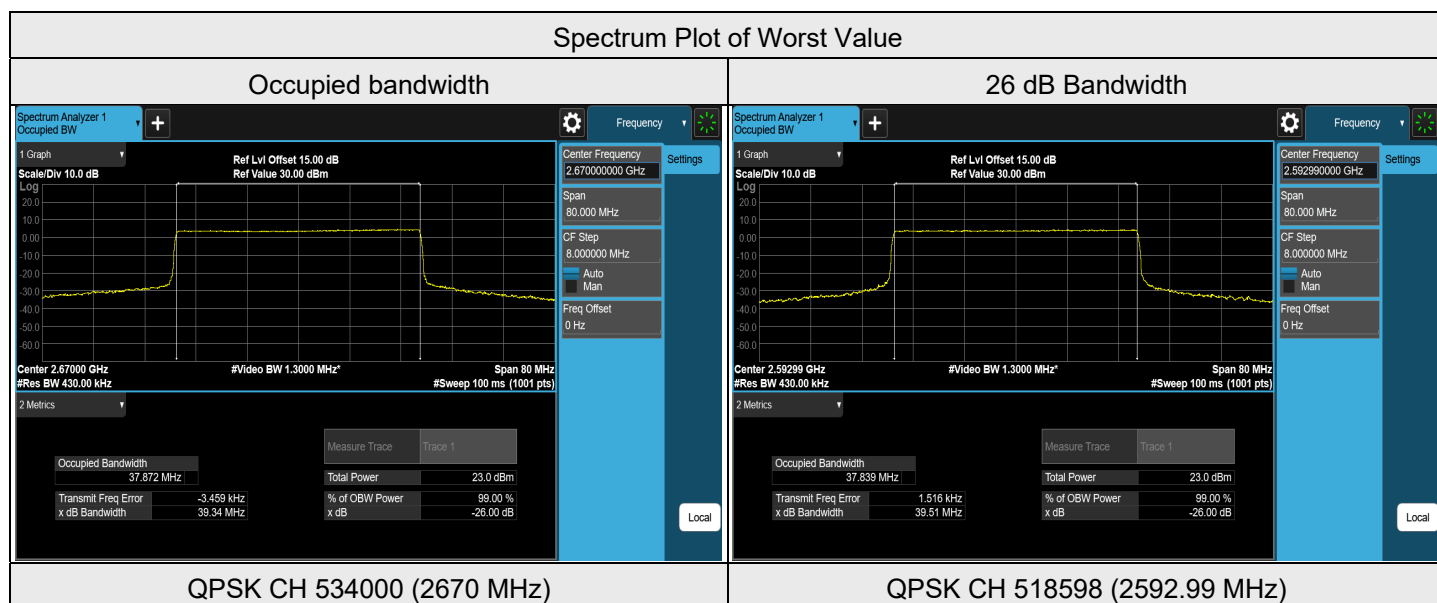
| Modulation | Channel | Frequency (MHz) | Occupied Bandwidth (MHz) | 26 dB Bandwidth (MHz) |
|------------|---------|-----------------|--------------------------|-----------------------|
| QPSK       | 502704  | 2513.52         | 32.8401                  | 34.181                |
| QPSK       | 518598  | 2592.99         | 32.8493                  | 34.426                |
| QPSK       | 534498  | 2672.49         | 32.8665                  | 34.324                |
| BPSK       | 502704  | 2513.52         | 32.0870                  | 33.349                |
| BPSK       | 518598  | 2592.99         | 32.1328                  | 33.396                |
| BPSK       | 534498  | 2672.49         | 32.1255                  | 33.380                |
| 16QAM      | 502704  | 2513.52         | 32.8238                  | 34.129                |
| 16QAM      | 518598  | 2592.99         | 32.8469                  | 34.275                |
| 16QAM      | 534498  | 2672.49         | 32.8558                  | 34.224                |
| 64QAM      | 502704  | 2513.52         | 32.8216                  | 34.240                |
| 64QAM      | 518598  | 2592.99         | 32.8447                  | 34.270                |
| 64QAM      | 534498  | 2672.49         | 32.8440                  | 34.264                |
| 256QAM     | 502704  | 2513.52         | 32.8072                  | 34.100                |
| 256QAM     | 518598  | 2592.99         | 32.8313                  | 34.083                |
| 256QAM     | 534498  | 2672.49         | 32.8373                  | 34.188                |

## Spectrum Plot of Worst Value



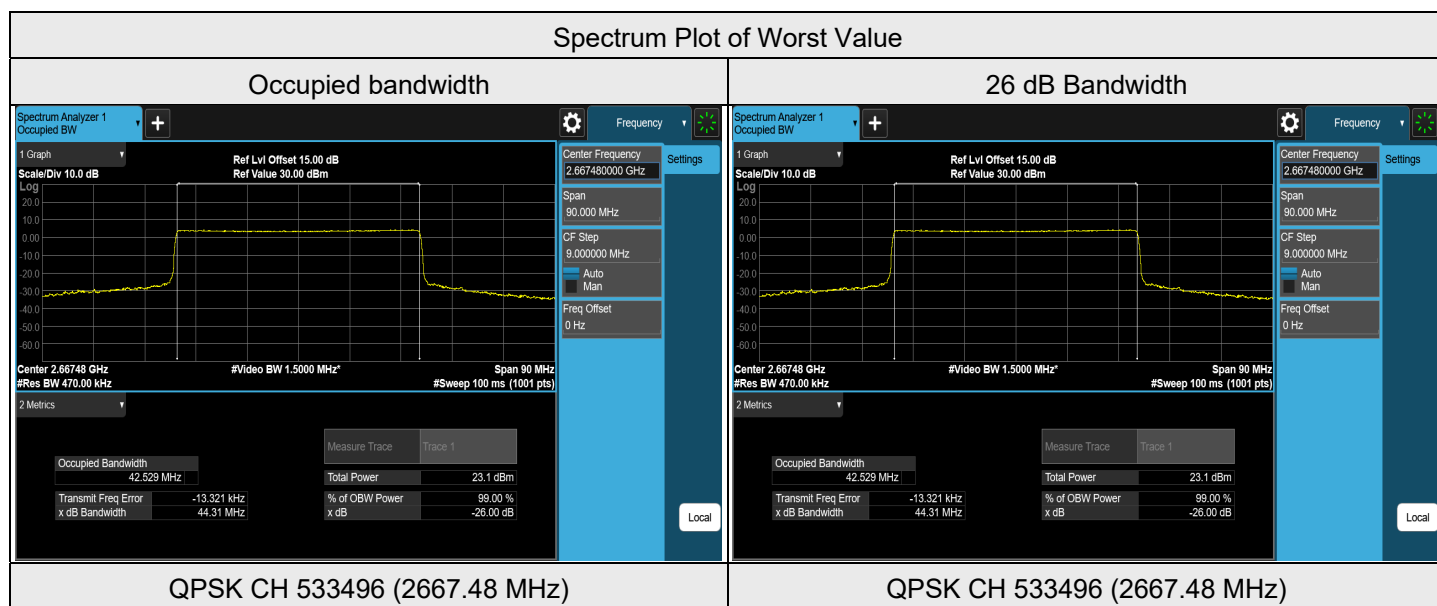
# NR n41 SCS 30 kHz, PC1.5\_MIMO-Ant 0, Channel Bandwidth: 40 MHz

| Modulation | Channel | Frequency (MHz) | Occupied Bandwidth (MHz) | 26 dB Bandwidth (MHz) |
|------------|---------|-----------------|--------------------------|-----------------------|
| QPSK       | 503202  | 2516.01         | 37.8025                  | 39.339                |
| QPSK       | 518598  | 2592.99         | 37.8387                  | 39.508                |
| QPSK       | 534000  | 2670            | 37.8721                  | 39.343                |
| BPSK       | 503202  | 2516.01         | 35.6393                  | 37.131                |
| BPSK       | 518598  | 2592.99         | 35.7172                  | 37.129                |
| BPSK       | 534000  | 2670            | 35.7101                  | 37.144                |
| 16QAM      | 503202  | 2516.01         | 37.7901                  | 39.446                |
| 16QAM      | 518598  | 2592.99         | 37.8413                  | 39.411                |
| 16QAM      | 534000  | 2670            | 37.8630                  | 39.344                |
| 64QAM      | 503202  | 2516.01         | 37.8121                  | 39.296                |
| 64QAM      | 518598  | 2592.99         | 37.8573                  | 39.312                |
| 64QAM      | 534000  | 2670            | 37.8704                  | 39.335                |
| 256QAM     | 503202  | 2516.01         | 37.7684                  | 39.226                |
| 256QAM     | 518598  | 2592.99         | 37.8234                  | 39.312                |
| 256QAM     | 534000  | 2670            | 37.8493                  | 39.273                |



# NR n41 SCS 30 kHz, PC1.5\_MIMO-Ant 0, Channel Bandwidth: 45 MHz

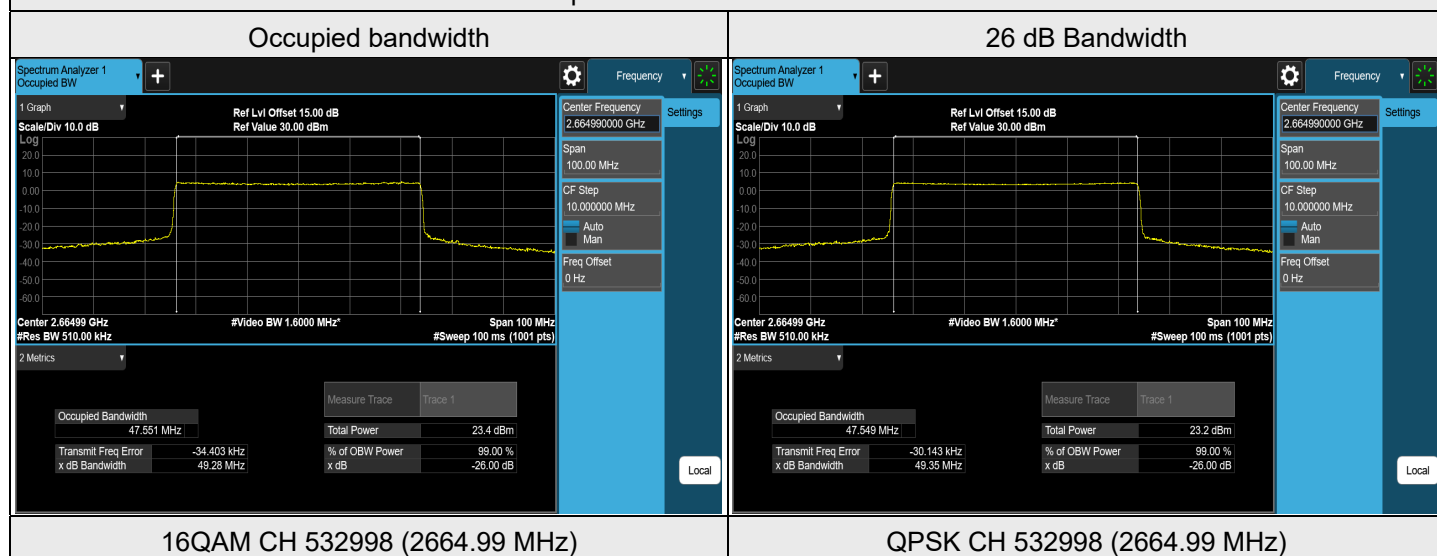
| Modulation | Channel | Frequency (MHz) | Occupied Bandwidth (MHz) | 26 dB Bandwidth (MHz) |
|------------|---------|-----------------|--------------------------|-----------------------|
| QPSK       | 503700  | 2518.5          | 42.4147                  | 44.161                |
| QPSK       | 518598  | 2592.99         | 42.4581                  | 44.191                |
| QPSK       | 533496  | 2667.48         | 42.5289                  | 44.309                |
| BPSK       | 503700  | 2518.5          | 38.5054                  | 40.066                |
| BPSK       | 518598  | 2592.99         | 38.5810                  | 40.085                |
| BPSK       | 533496  | 2667.48         | 38.6204                  | 40.121                |
| 16QAM      | 503700  | 2518.5          | 42.4054                  | 44.116                |
| 16QAM      | 518598  | 2592.99         | 42.4565                  | 44.099                |
| 16QAM      | 533496  | 2667.48         | 42.5129                  | 44.100                |
| 64QAM      | 503700  | 2518.5          | 42.4333                  | 44.073                |
| 64QAM      | 518598  | 2592.99         | 42.4527                  | 44.125                |
| 64QAM      | 533496  | 2667.48         | 42.5114                  | 44.183                |
| 256QAM     | 503700  | 2518.5          | 42.4286                  | 44.142                |
| 256QAM     | 518598  | 2592.99         | 42.4863                  | 44.118                |
| 256QAM     | 533496  | 2667.48         | 42.5258                  | 44.145                |



# NR n41 SCS 30 kHz, PC1.5\_MIMO-Ant 0, Channel Bandwidth: 50 MHz

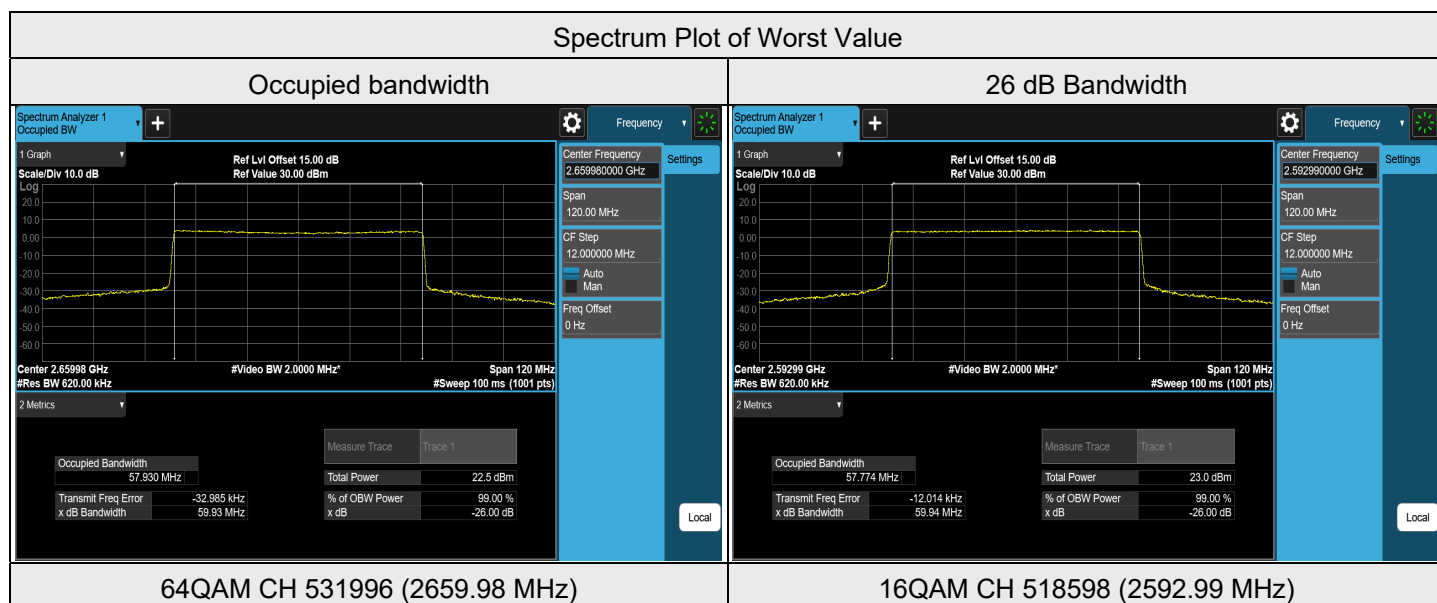
| Modulation | Channel | Frequency (MHz) | Occupied Bandwidth (MHz) | 26 dB Bandwidth (MHz) |
|------------|---------|-----------------|--------------------------|-----------------------|
| QPSK       | 504204  | 2521.02         | 47.3985                  | 49.195                |
| QPSK       | 518598  | 2592.99         | 47.4616                  | 49.335                |
| QPSK       | 532998  | 2664.99         | 47.5492                  | 49.348                |
| BPSK       | 504204  | 2521.02         | 45.6769                  | 47.363                |
| BPSK       | 518598  | 2592.99         | 45.7370                  | 47.334                |
| BPSK       | 532998  | 2664.99         | 45.7740                  | 47.362                |
| 16QAM      | 504204  | 2521.02         | 47.4268                  | 49.190                |
| 16QAM      | 518598  | 2592.99         | 47.4783                  | 49.260                |
| 16QAM      | 532998  | 2664.99         | 47.5514                  | 49.276                |
| 64QAM      | 504204  | 2521.02         | 47.4155                  | 49.217                |
| 64QAM      | 518598  | 2592.99         | 47.4714                  | 49.256                |
| 64QAM      | 532998  | 2664.99         | 47.5442                  | 49.268                |
| 256QAM     | 504204  | 2521.02         | 47.3906                  | 49.180                |
| 256QAM     | 518598  | 2592.99         | 47.4444                  | 49.220                |
| 256QAM     | 532998  | 2664.99         | 47.5326                  | 49.219                |

## Spectrum Plot of Worst Value



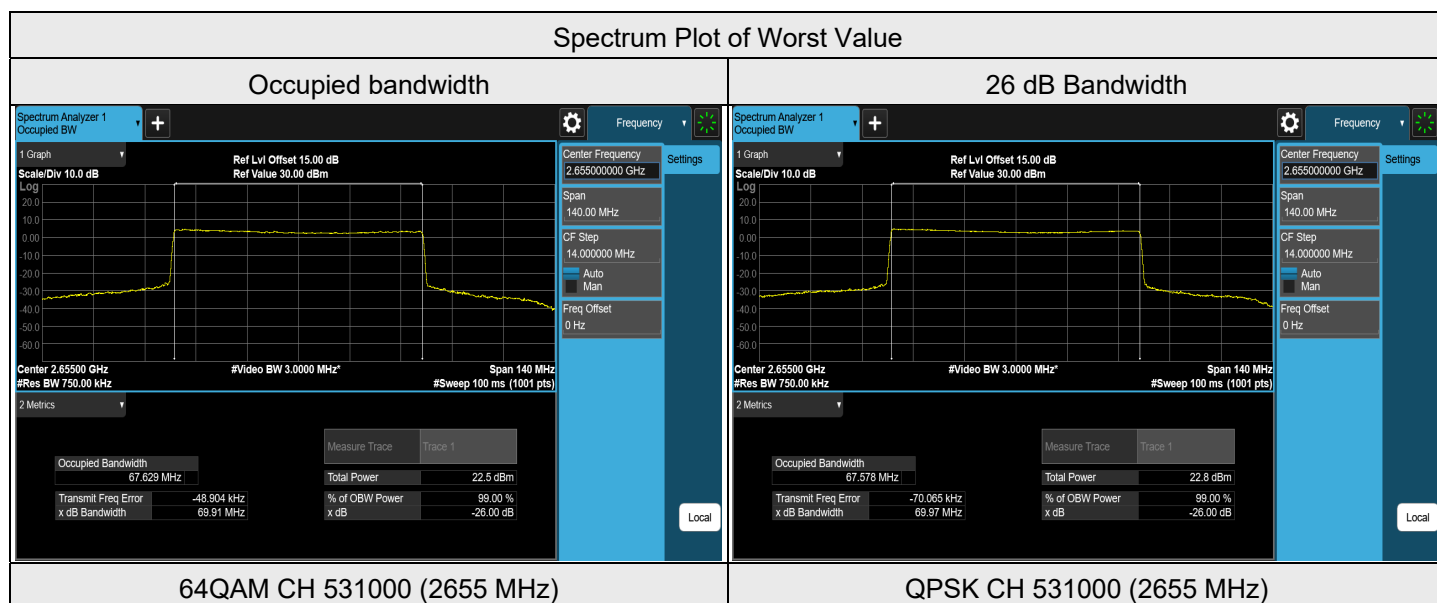
# NR n41 SCS 30 kHz, PC1.5\_MIMO-Ant 0, Channel Bandwidth: 60 MHz

| Modulation | Channel | Frequency (MHz) | Occupied Bandwidth (MHz) | 26 dB Bandwidth (MHz) |
|------------|---------|-----------------|--------------------------|-----------------------|
| QPSK       | 505200  | 2526            | 57.7029                  | 59.807                |
| QPSK       | 518598  | 2592.99         | 57.7737                  | 59.881                |
| QPSK       | 531996  | 2659.98         | 57.9098                  | 59.893                |
| BPSK       | 505200  | 2526            | 57.7194                  | 59.768                |
| BPSK       | 518598  | 2592.99         | 57.7798                  | 59.833                |
| BPSK       | 531996  | 2659.98         | 57.9046                  | 59.875                |
| 16QAM      | 505200  | 2526            | 57.6947                  | 59.874                |
| 16QAM      | 518598  | 2592.99         | 57.7742                  | 59.937                |
| 16QAM      | 531996  | 2659.98         | 57.9141                  | 59.921                |
| 64QAM      | 505200  | 2526            | 57.7475                  | 59.882                |
| 64QAM      | 518598  | 2592.99         | 57.8126                  | 59.902                |
| 64QAM      | 531996  | 2659.98         | 57.9299                  | 59.930                |
| 256QAM     | 505200  | 2526            | 57.6985                  | 59.801                |
| 256QAM     | 518598  | 2592.99         | 57.7789                  | 59.834                |
| 256QAM     | 531996  | 2659.98         | 57.8873                  | 59.865                |



# NR n41 SCS 30 kHz, PC1.5\_MIMO-Ant 0, Channel Bandwidth: 70 MHz

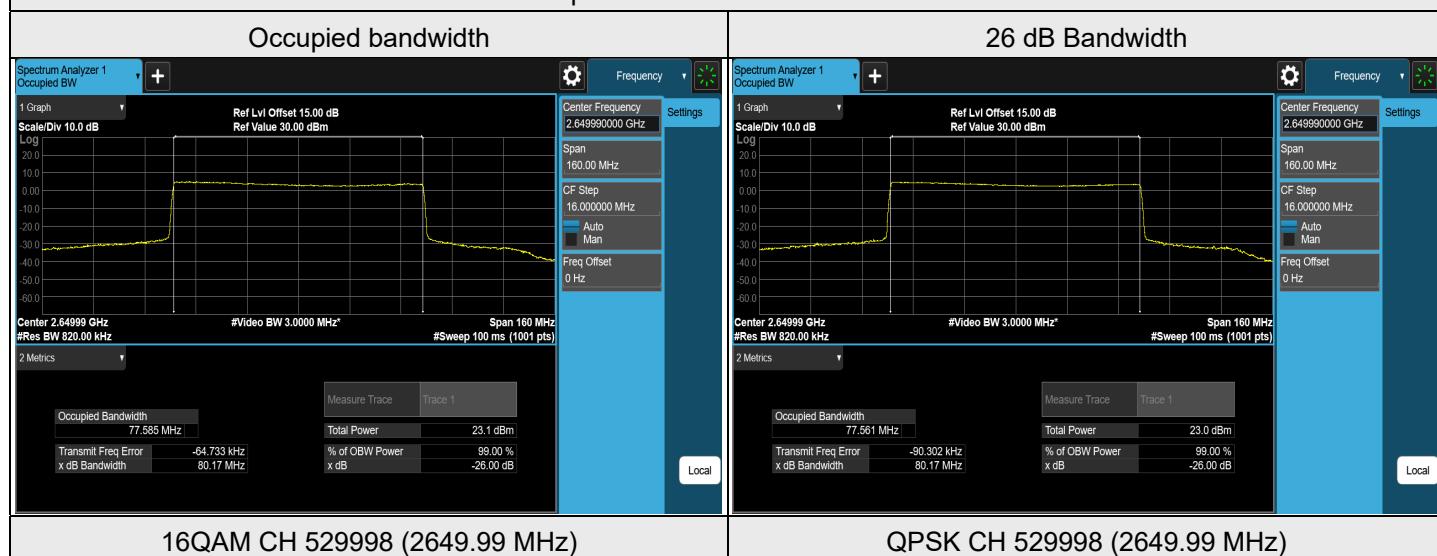
| Modulation | Channel | Frequency (MHz) | Occupied Bandwidth (MHz) | 26 dB Bandwidth (MHz) |
|------------|---------|-----------------|--------------------------|-----------------------|
| QPSK       | 506202  | 2531.01         | 67.3353                  | 69.831                |
| QPSK       | 518598  | 2592.99         | 67.4232                  | 69.915                |
| QPSK       | 531000  | 2655            | 67.5784                  | 69.973                |
| BPSK       | 506202  | 2531.01         | 64.1474                  | 66.628                |
| BPSK       | 518598  | 2592.99         | 64.2701                  | 66.609                |
| BPSK       | 531000  | 2655            | 64.4084                  | 66.668                |
| 16QAM      | 506202  | 2531.01         | 67.3315                  | 69.851                |
| 16QAM      | 518598  | 2592.99         | 67.4364                  | 69.888                |
| 16QAM      | 531000  | 2655            | 67.5894                  | 69.905                |
| 64QAM      | 506202  | 2531.01         | 67.3807                  | 69.885                |
| 64QAM      | 518598  | 2592.99         | 67.4677                  | 69.915                |
| 64QAM      | 531000  | 2655            | 67.6292                  | 69.915                |
| 256QAM     | 506202  | 2531.01         | 67.2930                  | 69.848                |
| 256QAM     | 518598  | 2592.99         | 67.4107                  | 69.836                |
| 256QAM     | 531000  | 2655            | 67.5679                  | 69.864                |



# NR n41 SCS 30 kHz, PC1.5\_MIMO-Ant 0, Channel Bandwidth: 80 MHz

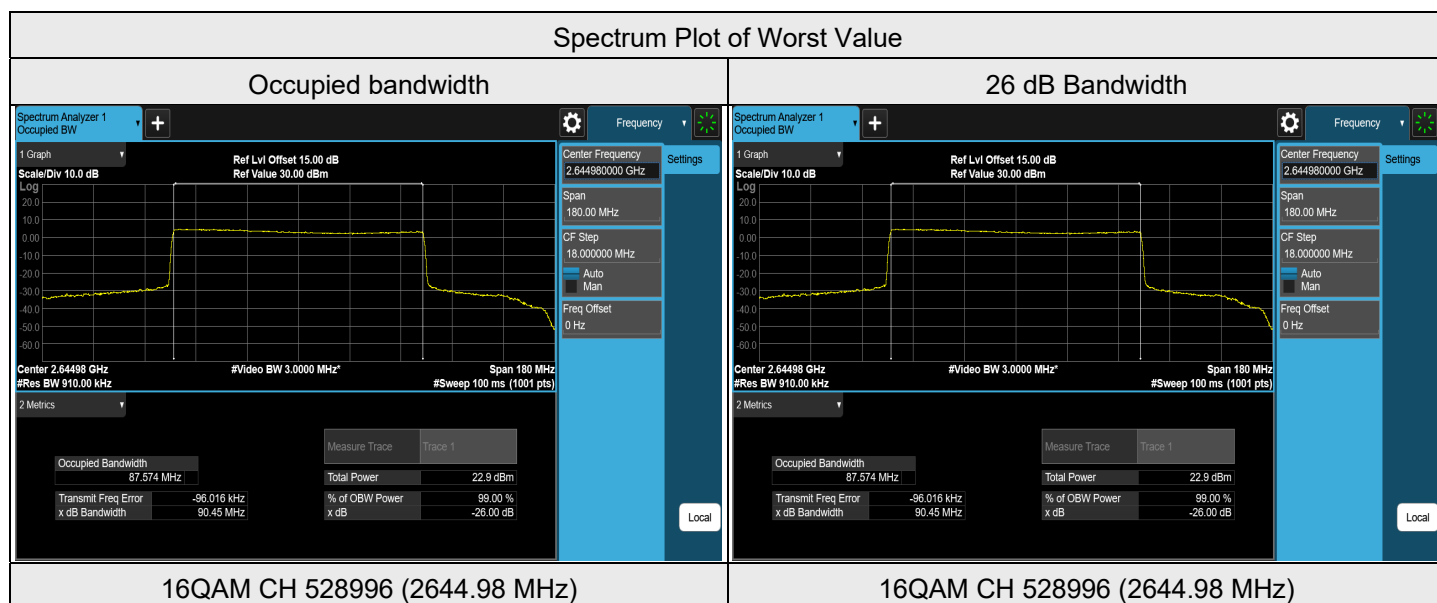
| Modulation | Channel | Frequency (MHz) | Occupied Bandwidth (MHz) | 26 dB Bandwidth (MHz) |
|------------|---------|-----------------|--------------------------|-----------------------|
| QPSK       | 507204  | 2536.02         | 77.2954                  | 80.107                |
| QPSK       | 518598  | 2592.99         | 77.3734                  | 80.122                |
| QPSK       | 529998  | 2649.99         | 77.5612                  | 80.175                |
| BPSK       | 507204  | 2536.02         | 76.9311                  | 79.682                |
| BPSK       | 518598  | 2592.99         | 77.0304                  | 79.758                |
| BPSK       | 529998  | 2649.99         | 77.2363                  | 79.761                |
| 16QAM      | 507204  | 2536.02         | 77.3384                  | 80.120                |
| 16QAM      | 518598  | 2592.99         | 77.4204                  | 80.156                |
| 16QAM      | 529998  | 2649.99         | 77.5847                  | 80.170                |
| 64QAM      | 507204  | 2536.02         | 77.2890                  | 80.062                |
| 64QAM      | 518598  | 2592.99         | 77.3785                  | 80.161                |
| 64QAM      | 529998  | 2649.99         | 77.5617                  | 80.143                |
| 256QAM     | 507204  | 2536.02         | 77.2865                  | 80.075                |
| 256QAM     | 518598  | 2592.99         | 77.3438                  | 80.075                |
| 256QAM     | 529998  | 2649.99         | 77.5403                  | 80.103                |

## Spectrum Plot of Worst Value



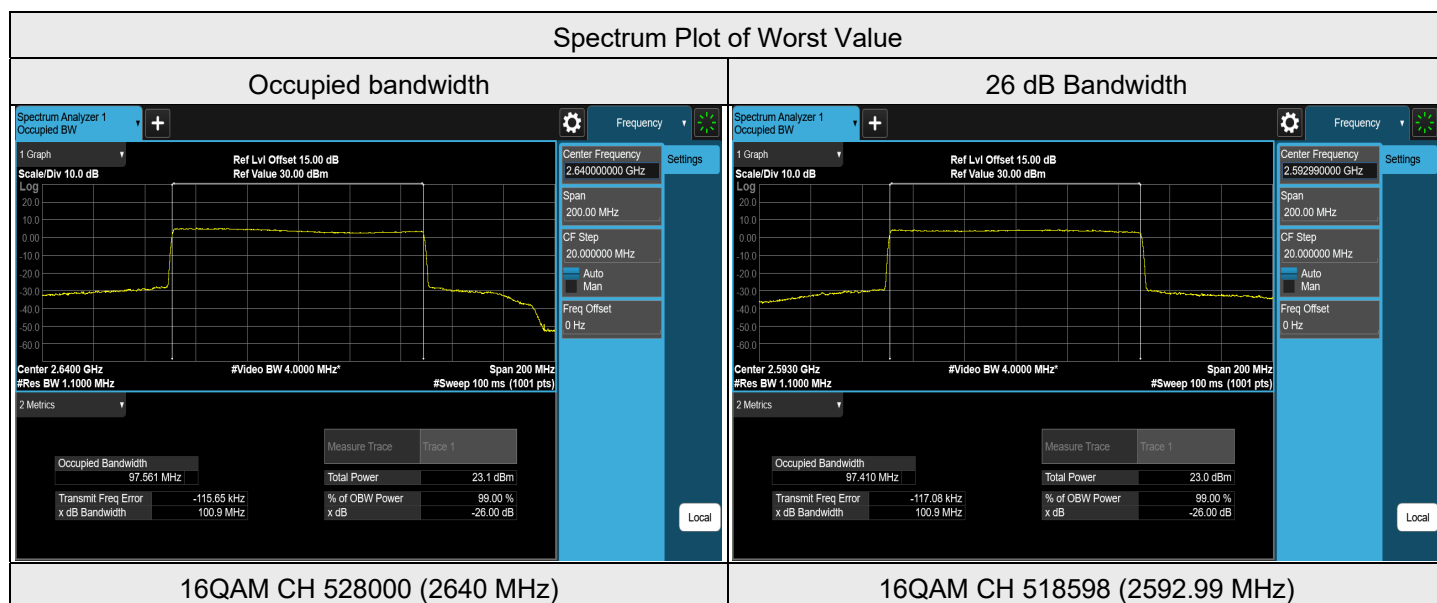
# NR n41 SCS 30 kHz, PC1.5\_MIMO-Ant 0, Channel Bandwidth: 90 MHz

| Modulation | Channel | Frequency (MHz) | Occupied Bandwidth (MHz) | 26 dB Bandwidth (MHz) |
|------------|---------|-----------------|--------------------------|-----------------------|
| QPSK       | 508200  | 2541            | 87.3063                  | 90.392                |
| QPSK       | 518598  | 2592.99         | 87.3631                  | 90.428                |
| QPSK       | 528996  | 2644.98         | 87.5330                  | 90.441                |
| BPSK       | 508200  | 2541            | 86.5888                  | 89.633                |
| BPSK       | 518598  | 2592.99         | 86.6543                  | 89.639                |
| BPSK       | 528996  | 2644.98         | 86.8669                  | 89.666                |
| 16QAM      | 508200  | 2541            | 87.3037                  | 90.365                |
| 16QAM      | 518598  | 2592.99         | 87.3849                  | 90.396                |
| 16QAM      | 528996  | 2644.98         | 87.5738                  | 90.452                |
| 64QAM      | 508200  | 2541            | 87.2600                  | 90.335                |
| 64QAM      | 518598  | 2592.99         | 87.3123                  | 90.379                |
| 64QAM      | 528996  | 2644.98         | 87.4848                  | 90.385                |
| 256QAM     | 508200  | 2541            | 87.3221                  | 90.339                |
| 256QAM     | 518598  | 2592.99         | 87.3597                  | 90.362                |
| 256QAM     | 528996  | 2644.98         | 87.5309                  | 90.366                |



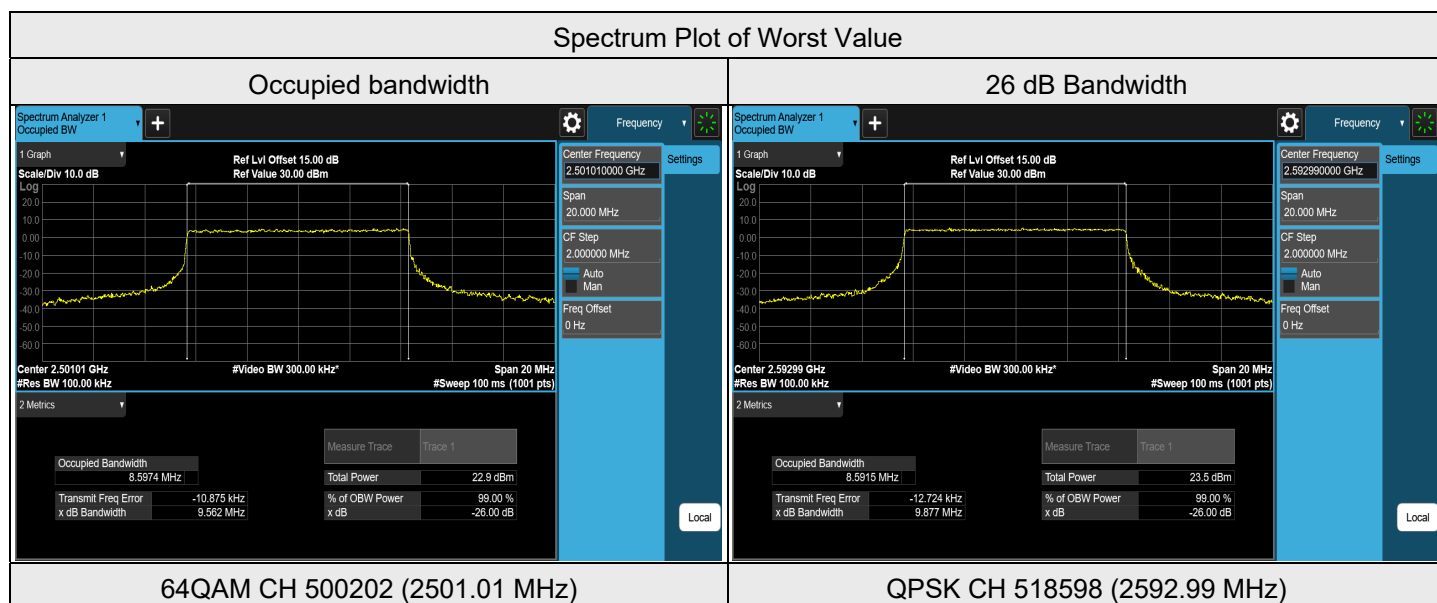
# NR n41 SCS 30 kHz, PC1.5\_MIMO-Ant 0, Channel Bandwidth: 100 MHz

| Modulation | Channel | Frequency (MHz) | Occupied Bandwidth (MHz) | 26 dB Bandwidth (MHz) |
|------------|---------|-----------------|--------------------------|-----------------------|
| QPSK       | 509202  | 2546.01         | 97.3291                  | 100.896               |
| QPSK       | 518598  | 2592.99         | 97.3693                  | 100.906               |
| QPSK       | 528000  | 2640            | 97.5093                  | 100.902               |
| BPSK       | 509202  | 2546.01         | 96.2617                  | 99.753                |
| BPSK       | 518598  | 2592.99         | 96.3109                  | 99.780                |
| BPSK       | 528000  | 2640            | 96.4548                  | 99.837                |
| 16QAM      | 509202  | 2546.01         | 97.3517                  | 100.887               |
| 16QAM      | 518598  | 2592.99         | 97.4095                  | 100.919               |
| 16QAM      | 528000  | 2640            | 97.5614                  | 100.916               |
| 64QAM      | 509202  | 2546.01         | 97.2999                  | 100.823               |
| 64QAM      | 518598  | 2592.99         | 97.3422                  | 100.895               |
| 64QAM      | 528000  | 2640            | 97.5094                  | 100.909               |
| 256QAM     | 509202  | 2546.01         | 97.3061                  | 100.869               |
| 256QAM     | 518598  | 2592.99         | 97.3418                  | 100.803               |
| 256QAM     | 528000  | 2640            | 97.4925                  | 100.879               |



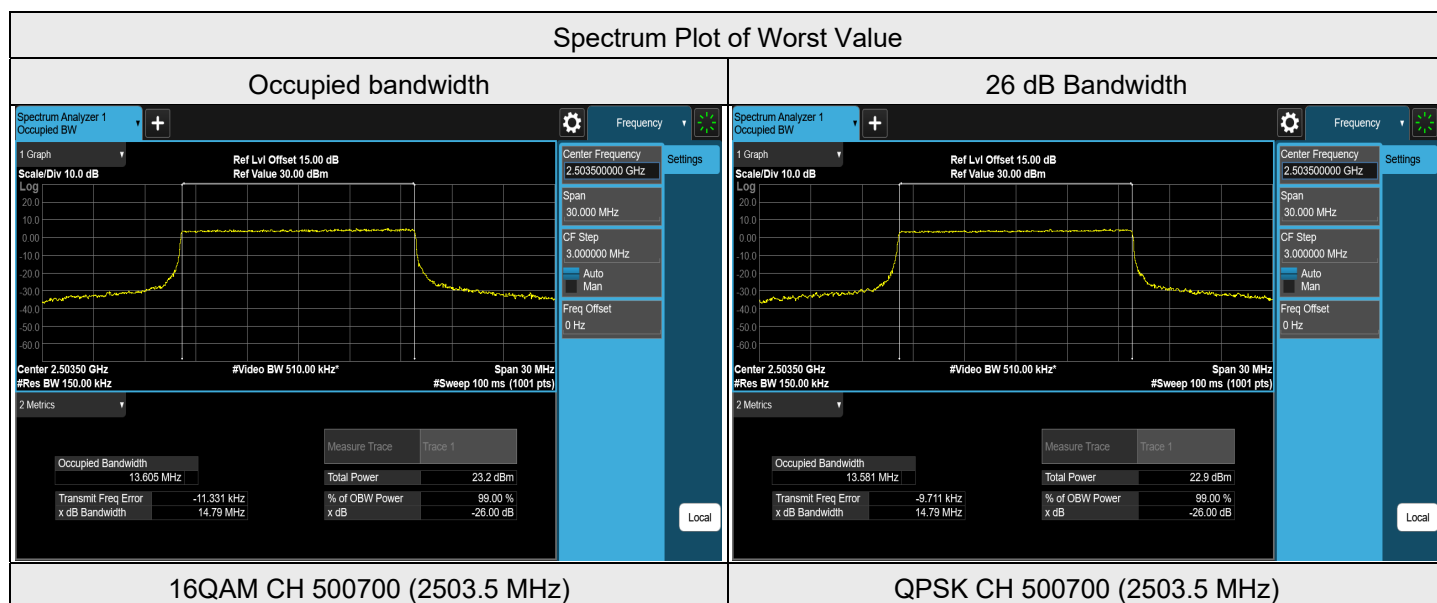
# NR n41 SCS 30 kHz, PC1.5\_MIMO-Ant 3, Channel Bandwidth: 10 MHz

| Modulation | Channel | Frequency (MHz) | Occupied Bandwidth (MHz) | 26 dB Bandwidth (MHz) |
|------------|---------|-----------------|--------------------------|-----------------------|
| QPSK       | 500202  | 2501.01         | 8.5884                   | 9.808                 |
| QPSK       | 518598  | 2592.99         | 8.5915                   | 9.877                 |
| QPSK       | 537000  | 2685            | 8.5913                   | 9.759                 |
| BPSK       | 500202  | 2501.01         | 8.5937                   | 9.398                 |
| BPSK       | 518598  | 2592.99         | 8.5813                   | 9.241                 |
| BPSK       | 537000  | 2685            | 8.5895                   | 9.449                 |
| 16QAM      | 500202  | 2501.01         | 8.5962                   | 9.729                 |
| 16QAM      | 518598  | 2592.99         | 8.5775                   | 9.470                 |
| 16QAM      | 537000  | 2685            | 8.5895                   | 9.574                 |
| 64QAM      | 500202  | 2501.01         | 8.5974                   | 9.562                 |
| 64QAM      | 518598  | 2592.99         | 8.5941                   | 9.424                 |
| 64QAM      | 537000  | 2685            | 8.5930                   | 9.575                 |
| 256QAM     | 500202  | 2501.01         | 8.5851                   | 9.508                 |
| 256QAM     | 518598  | 2592.99         | 8.5831                   | 9.329                 |
| 256QAM     | 537000  | 2685            | 8.5839                   | 9.422                 |



# NR n41 SCS 30 kHz, PC1.5\_MIMO-Ant 3, Channel Bandwidth: 15 MHz

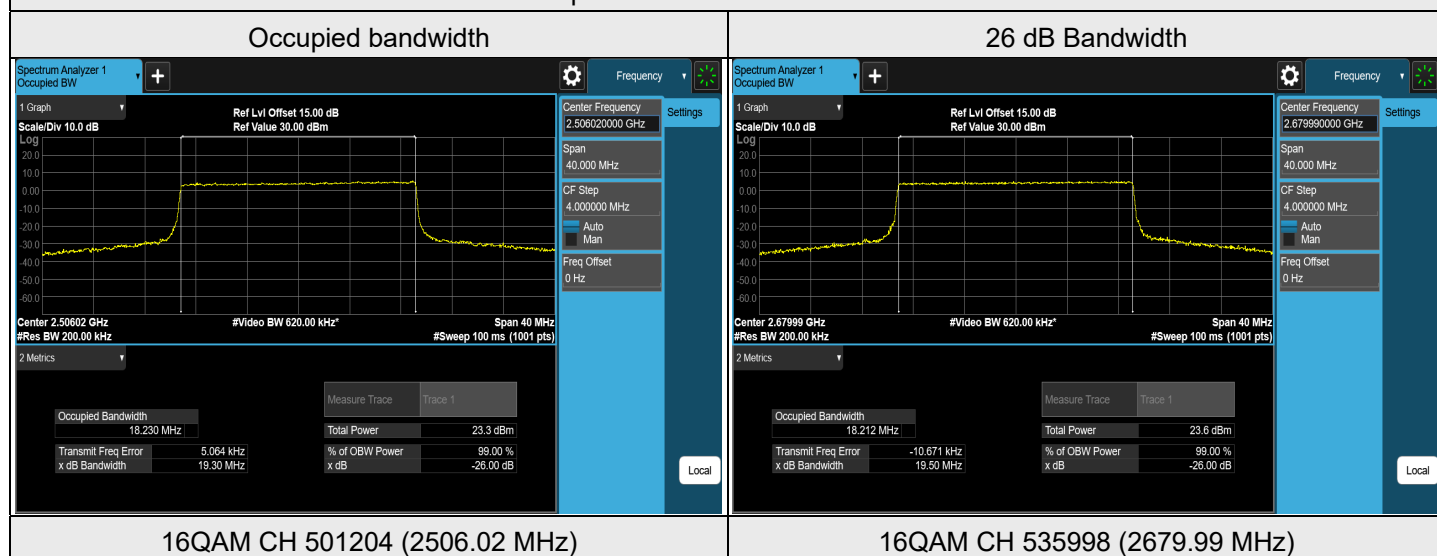
| Modulation | Channel | Frequency (MHz) | Occupied Bandwidth (MHz) | 26 dB Bandwidth (MHz) |
|------------|---------|-----------------|--------------------------|-----------------------|
| QPSK       | 500700  | 2503.5          | 13.5813                  | 14.791                |
| QPSK       | 518598  | 2592.99         | 13.5738                  | 14.523                |
| QPSK       | 536496  | 2682.48         | 13.5742                  | 14.520                |
| BPSK       | 500700  | 2503.5          | 12.8751                  | 13.817                |
| BPSK       | 518598  | 2592.99         | 12.8981                  | 13.878                |
| BPSK       | 536496  | 2682.48         | 12.8842                  | 13.682                |
| 16QAM      | 500700  | 2503.5          | 13.6054                  | 14.786                |
| 16QAM      | 518598  | 2592.99         | 13.5997                  | 14.684                |
| 16QAM      | 536496  | 2682.48         | 13.6050                  | 14.790                |
| 64QAM      | 500700  | 2503.5          | 13.5831                  | 14.533                |
| 64QAM      | 518598  | 2592.99         | 13.5734                  | 14.386                |
| 64QAM      | 536496  | 2682.48         | 13.5793                  | 14.454                |
| 256QAM     | 500700  | 2503.5          | 13.5857                  | 14.563                |
| 256QAM     | 518598  | 2592.99         | 13.5745                  | 14.282                |
| 256QAM     | 536496  | 2682.48         | 13.5760                  | 14.475                |



# NR n41 SCS 30 kHz, PC1.5\_MIMO-Ant 3, Channel Bandwidth: 20 MHz

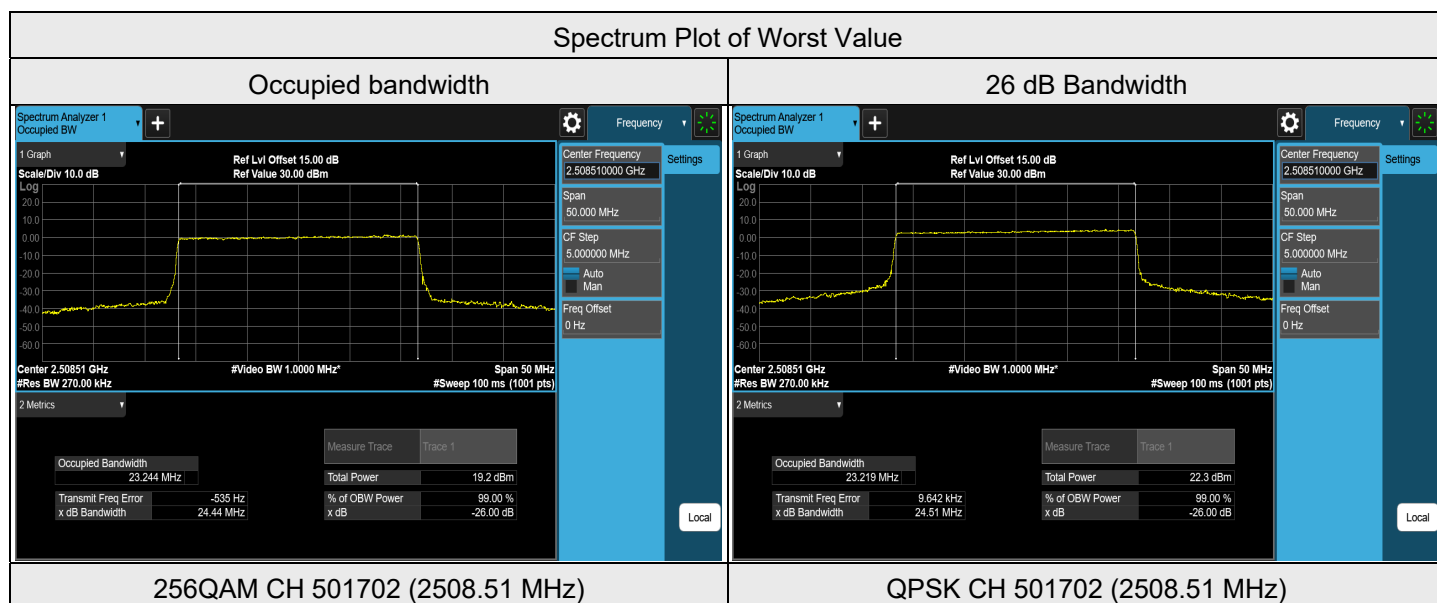
| Modulation | Channel | Frequency (MHz) | Occupied Bandwidth (MHz) | 26 dB Bandwidth (MHz) |
|------------|---------|-----------------|--------------------------|-----------------------|
| QPSK       | 501204  | 2506.02         | 18.2060                  | 19.390                |
| QPSK       | 518598  | 2592.99         | 18.2128                  | 19.407                |
| QPSK       | 535998  | 2679.99         | 18.2135                  | 19.327                |
| BPSK       | 501204  | 2506.02         | 17.8560                  | 18.643                |
| BPSK       | 518598  | 2592.99         | 17.8787                  | 18.733                |
| BPSK       | 535998  | 2679.99         | 17.8654                  | 18.700                |
| 16QAM      | 501204  | 2506.02         | 18.2299                  | 19.296                |
| 16QAM      | 518598  | 2592.99         | 18.2280                  | 19.337                |
| 16QAM      | 535998  | 2679.99         | 18.2120                  | 19.503                |
| 64QAM      | 501204  | 2506.02         | 18.2089                  | 19.144                |
| 64QAM      | 518598  | 2592.99         | 18.2063                  | 19.183                |
| 64QAM      | 535998  | 2679.99         | 18.2037                  | 19.268                |
| 256QAM     | 501204  | 2506.02         | 18.2221                  | 19.200                |
| 256QAM     | 518598  | 2592.99         | 18.2263                  | 19.208                |
| 256QAM     | 535998  | 2679.99         | 18.2188                  | 19.317                |

## Spectrum Plot of Worst Value



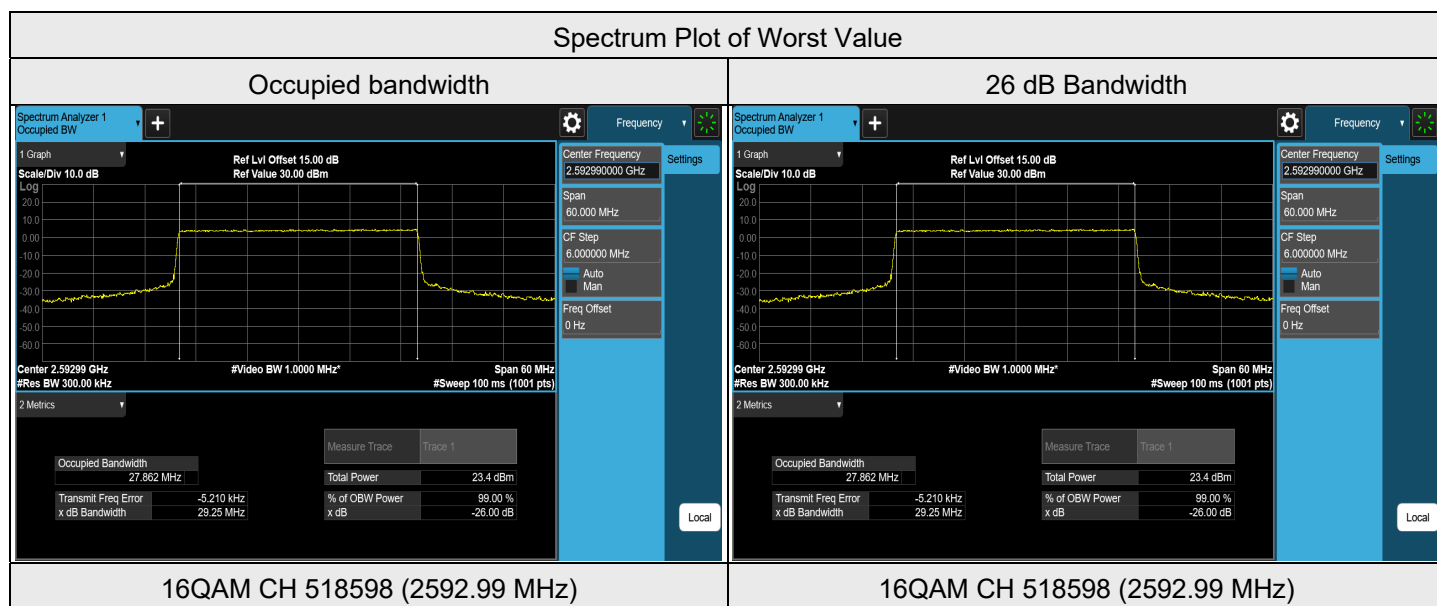
# NR n41 SCS 30 kHz, PC1.5\_MIMO-Ant 3, Channel Bandwidth: 25 MHz

| Modulation | Channel | Frequency (MHz) | Occupied Bandwidth (MHz) | 26 dB Bandwidth (MHz) |
|------------|---------|-----------------|--------------------------|-----------------------|
| QPSK       | 501702  | 2508.51         | 23.2188                  | 24.508                |
| QPSK       | 518598  | 2592.99         | 23.2259                  | 24.444                |
| QPSK       | 535500  | 2677.5          | 23.2101                  | 24.239                |
| BPSK       | 501702  | 2508.51         | 22.8552                  | 23.782                |
| BPSK       | 518598  | 2592.99         | 22.8552                  | 23.820                |
| BPSK       | 535500  | 2677.5          | 22.8430                  | 23.787                |
| 16QAM      | 501702  | 2508.51         | 23.2200                  | 24.376                |
| 16QAM      | 518598  | 2592.99         | 23.2093                  | 24.405                |
| 16QAM      | 535500  | 2677.5          | 23.2220                  | 24.335                |
| 64QAM      | 501702  | 2508.51         | 23.1956                  | 24.236                |
| 64QAM      | 518598  | 2592.99         | 23.1932                  | 24.215                |
| 64QAM      | 535500  | 2677.5          | 23.1894                  | 24.327                |
| 256QAM     | 501702  | 2508.51         | 23.2444                  | 24.438                |
| 256QAM     | 518598  | 2592.99         | 23.2316                  | 24.346                |
| 256QAM     | 535500  | 2677.5          | 23.2193                  | 24.213                |



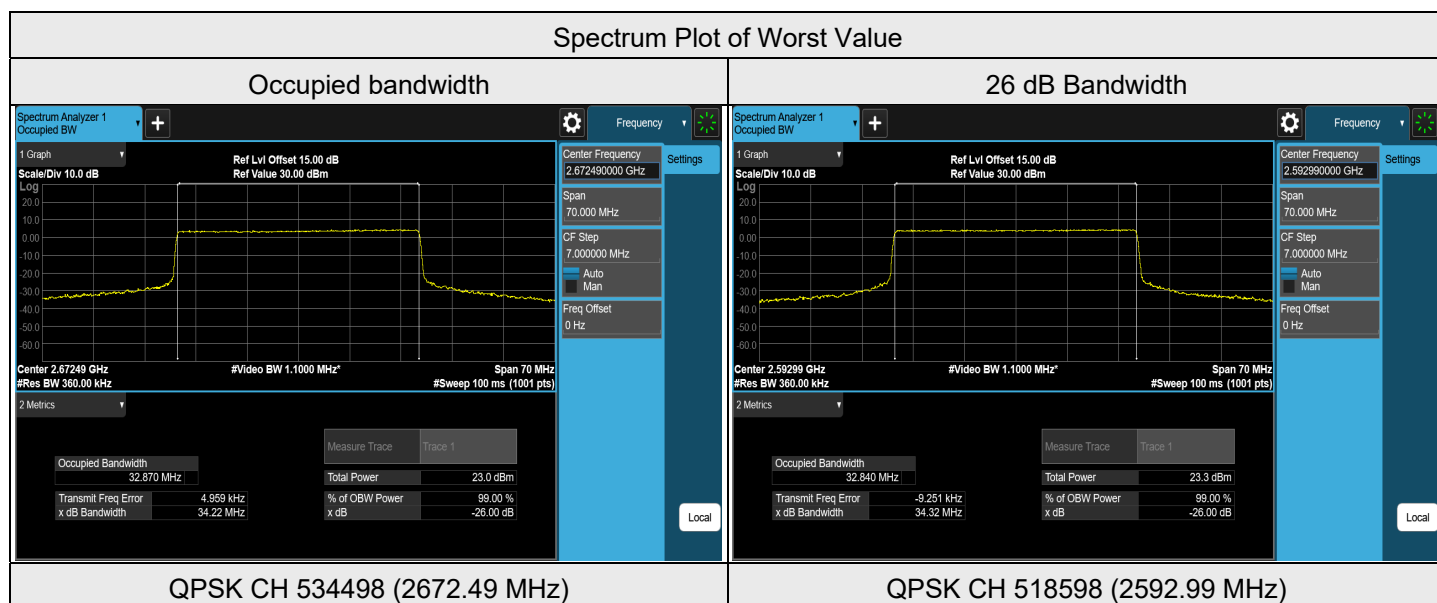
# NR n41 SCS 30 kHz, PC1.5\_MIMO-Ant 3, Channel Bandwidth: 30 MHz

| Modulation | Channel | Frequency (MHz) | Occupied Bandwidth (MHz) | 26 dB Bandwidth (MHz) |
|------------|---------|-----------------|--------------------------|-----------------------|
| QPSK       | 502200  | 2511            | 27.8525                  | 29.045                |
| QPSK       | 518598  | 2592.99         | 27.8508                  | 29.188                |
| QPSK       | 534996  | 2674.98         | 27.8595                  | 29.226                |
| BPSK       | 502200  | 2511            | 26.7675                  | 27.928                |
| BPSK       | 518598  | 2592.99         | 26.7888                  | 27.883                |
| BPSK       | 534996  | 2674.98         | 26.7799                  | 27.935                |
| 16QAM      | 502200  | 2511            | 27.8409                  | 29.162                |
| 16QAM      | 518598  | 2592.99         | 27.8618                  | 29.251                |
| 16QAM      | 534996  | 2674.98         | 27.8547                  | 29.136                |
| 64QAM      | 502200  | 2511            | 27.8238                  | 29.097                |
| 64QAM      | 518598  | 2592.99         | 27.8313                  | 29.024                |
| 64QAM      | 534996  | 2674.98         | 27.8419                  | 29.147                |
| 256QAM     | 502200  | 2511            | 27.8433                  | 28.906                |
| 256QAM     | 518598  | 2592.99         | 27.8609                  | 28.927                |
| 256QAM     | 534996  | 2674.98         | 27.8481                  | 28.883                |



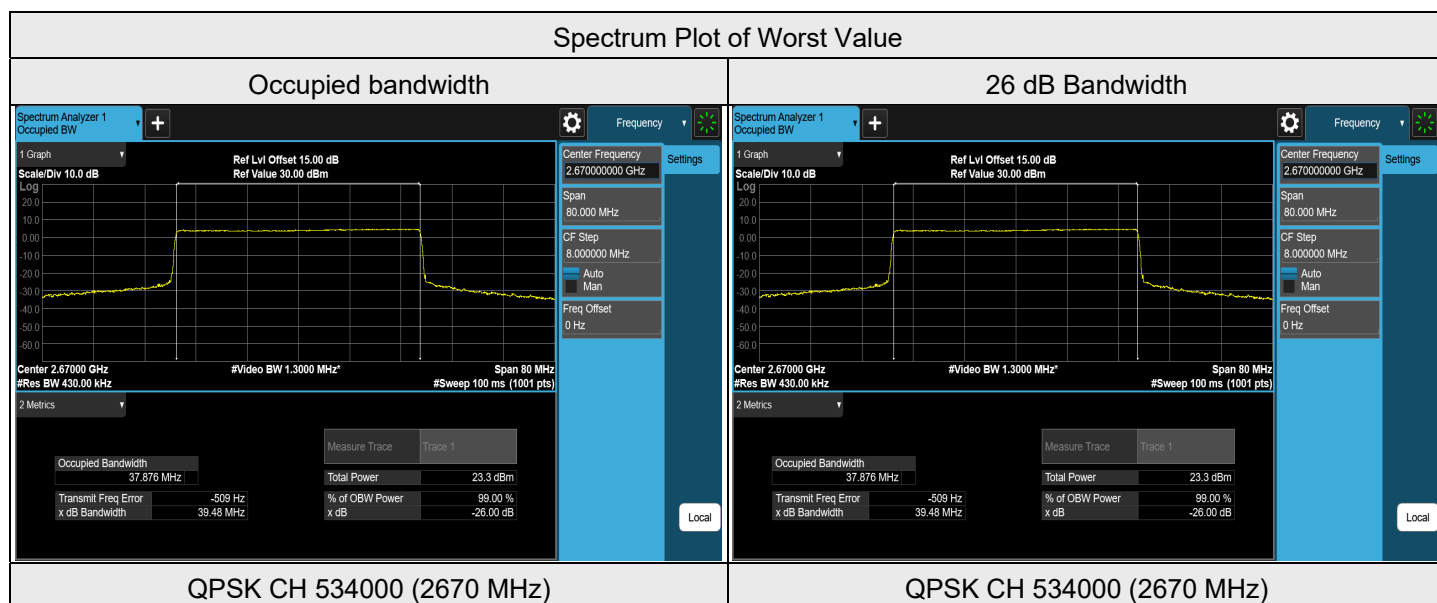
# NR n41 SCS 30 kHz, PC1.5\_MIMO-Ant 3, Channel Bandwidth: 35 MHz

| Modulation | Channel | Frequency (MHz) | Occupied Bandwidth (MHz) | 26 dB Bandwidth (MHz) |
|------------|---------|-----------------|--------------------------|-----------------------|
| QPSK       | 502704  | 2513.52         | 32.8232                  | 34.192                |
| QPSK       | 518598  | 2592.99         | 32.8404                  | 34.317                |
| QPSK       | 534498  | 2672.49         | 32.8701                  | 34.224                |
| BPSK       | 502704  | 2513.52         | 32.0941                  | 33.340                |
| BPSK       | 518598  | 2592.99         | 32.1357                  | 33.371                |
| BPSK       | 534498  | 2672.49         | 32.1476                  | 33.414                |
| 16QAM      | 502704  | 2513.52         | 32.8127                  | 34.224                |
| 16QAM      | 518598  | 2592.99         | 32.8494                  | 34.258                |
| 16QAM      | 534498  | 2672.49         | 32.8521                  | 34.262                |
| 64QAM      | 502704  | 2513.52         | 32.8090                  | 34.199                |
| 64QAM      | 518598  | 2592.99         | 32.8462                  | 34.293                |
| 64QAM      | 534498  | 2672.49         | 32.8600                  | 34.191                |
| 256QAM     | 502704  | 2513.52         | 32.8144                  | 34.170                |
| 256QAM     | 518598  | 2592.99         | 32.8311                  | 34.096                |
| 256QAM     | 534498  | 2672.49         | 32.8496                  | 34.173                |



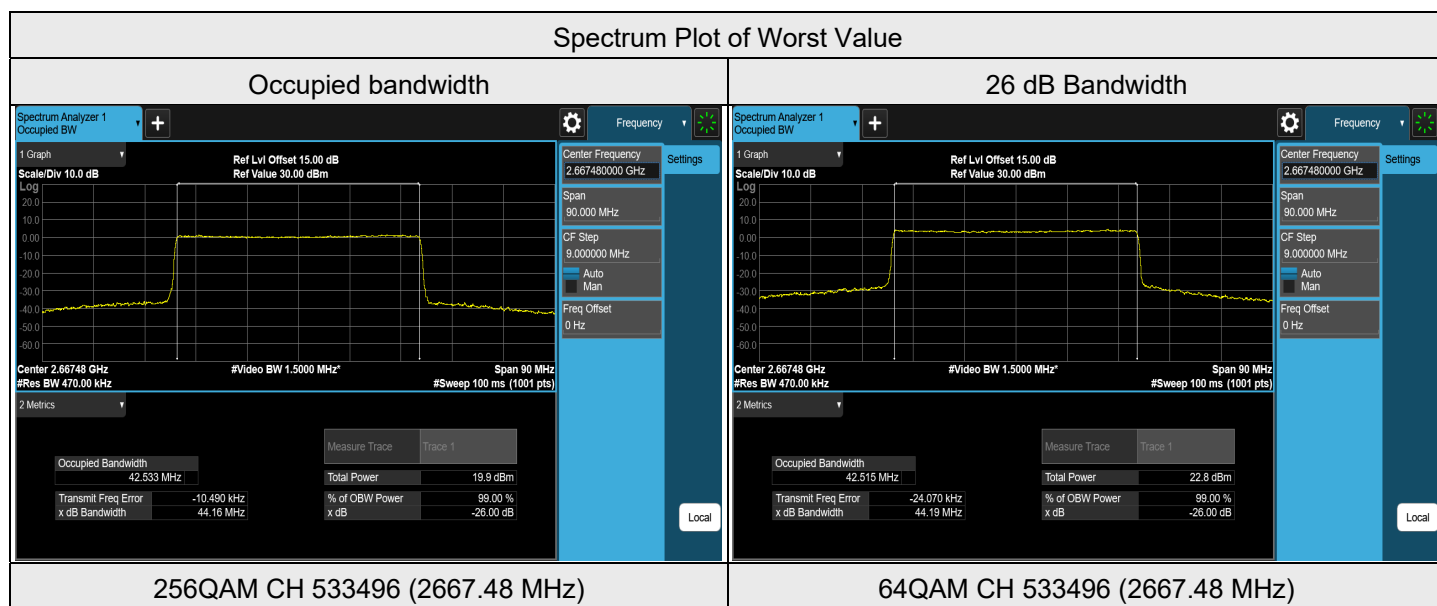
# NR n41 SCS 30 kHz, PC1.5\_MIMO-Ant 3, Channel Bandwidth: 40 MHz

| Modulation | Channel | Frequency (MHz) | Occupied Bandwidth (MHz) | 26 dB Bandwidth (MHz) |
|------------|---------|-----------------|--------------------------|-----------------------|
| QPSK       | 503202  | 2516.01         | 37.8141                  | 39.324                |
| QPSK       | 518598  | 2592.99         | 37.8499                  | 39.445                |
| QPSK       | 534000  | 2670            | 37.8762                  | 39.482                |
| BPSK       | 503202  | 2516.01         | 35.7016                  | 37.106                |
| BPSK       | 518598  | 2592.99         | 35.7168                  | 37.145                |
| BPSK       | 534000  | 2670            | 35.7421                  | 37.146                |
| 16QAM      | 503202  | 2516.01         | 37.7931                  | 39.436                |
| 16QAM      | 518598  | 2592.99         | 37.8418                  | 39.398                |
| 16QAM      | 534000  | 2670            | 37.8566                  | 39.336                |
| 64QAM      | 503202  | 2516.01         | 37.8061                  | 39.335                |
| 64QAM      | 518598  | 2592.99         | 37.8640                  | 39.367                |
| 64QAM      | 534000  | 2670            | 37.8718                  | 39.317                |
| 256QAM     | 503202  | 2516.01         | 37.7663                  | 39.265                |
| 256QAM     | 518598  | 2592.99         | 37.8164                  | 39.242                |
| 256QAM     | 534000  | 2670            | 37.8538                  | 39.273                |



# NR n41 SCS 30 kHz, PC1.5\_MIMO-Ant 3, Channel Bandwidth: 45 MHz

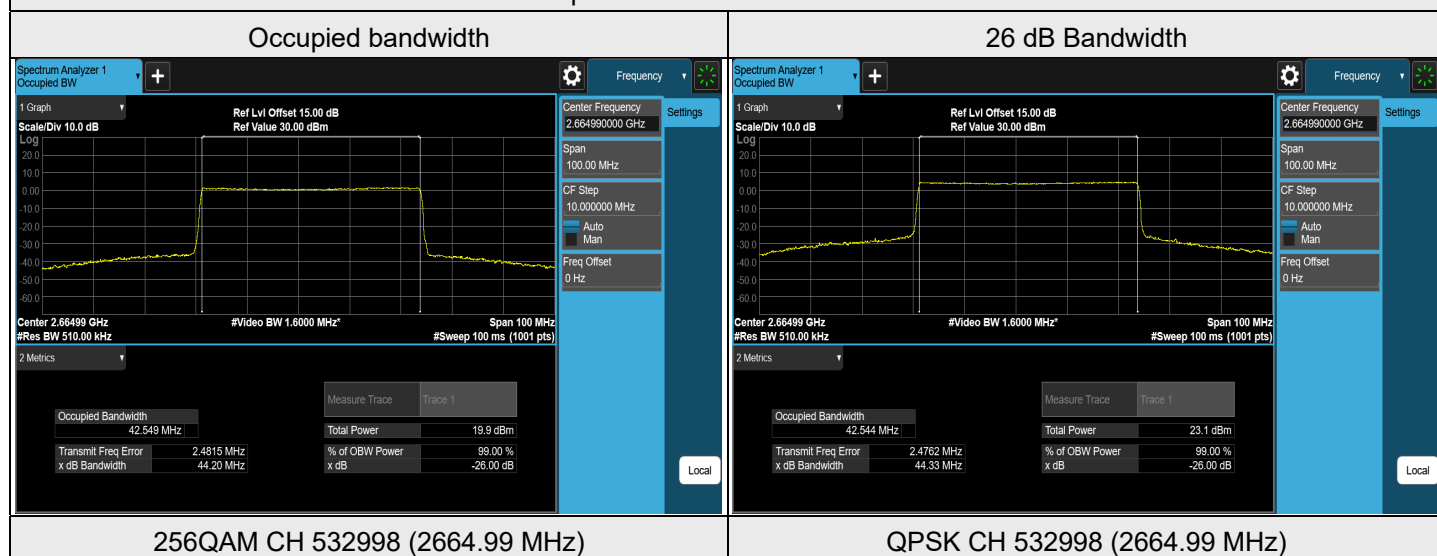
| Modulation | Channel | Frequency (MHz) | Occupied Bandwidth (MHz) | 26 dB Bandwidth (MHz) |
|------------|---------|-----------------|--------------------------|-----------------------|
| QPSK       | 503700  | 2518.5          | 42.4124                  | 44.116                |
| QPSK       | 518598  | 2592.99         | 42.4637                  | 44.148                |
| QPSK       | 533496  | 2667.48         | 42.5266                  | 44.185                |
| BPSK       | 503700  | 2518.5          | 38.5137                  | 40.071                |
| BPSK       | 518598  | 2592.99         | 38.5691                  | 40.069                |
| BPSK       | 533496  | 2667.48         | 38.6035                  | 40.124                |
| 16QAM      | 503700  | 2518.5          | 42.4059                  | 44.156                |
| 16QAM      | 518598  | 2592.99         | 42.4475                  | 44.097                |
| 16QAM      | 533496  | 2667.48         | 42.5157                  | 44.132                |
| 64QAM      | 503700  | 2518.5          | 42.4413                  | 44.049                |
| 64QAM      | 518598  | 2592.99         | 42.4649                  | 44.146                |
| 64QAM      | 533496  | 2667.48         | 42.5148                  | 44.188                |
| 256QAM     | 503700  | 2518.5          | 42.4219                  | 44.120                |
| 256QAM     | 518598  | 2592.99         | 42.4759                  | 44.111                |
| 256QAM     | 533496  | 2667.48         | 42.5332                  | 44.162                |



# NR n41 SCS 30 kHz, PC1.5\_MIMO-Ant 3, Channel Bandwidth: 50 MHz

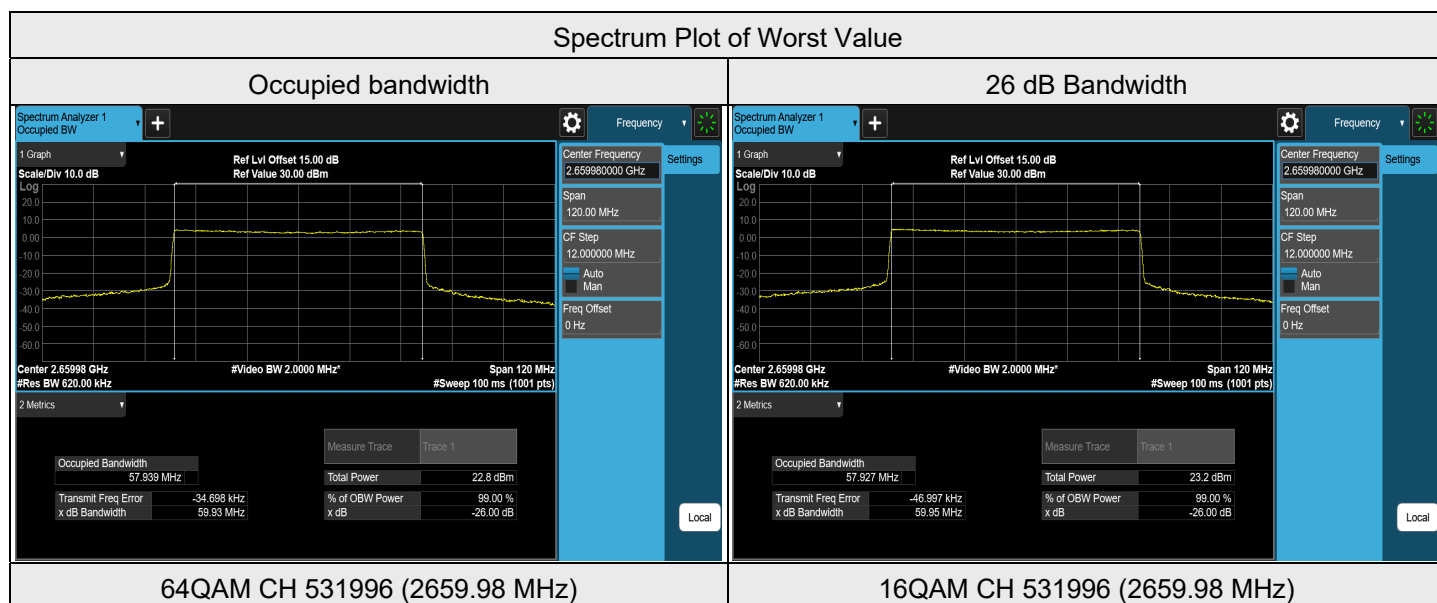
| Modulation | Channel | Frequency (MHz) | Occupied Bandwidth (MHz) | 26 dB Bandwidth (MHz) |
|------------|---------|-----------------|--------------------------|-----------------------|
| QPSK       | 504204  | 2521.02         | 42.4323                  | 44.200                |
| QPSK       | 518598  | 2592.99         | 42.4700                  | 44.229                |
| QPSK       | 532998  | 2664.99         | 42.5439                  | 44.329                |
| BPSK       | 504204  | 2521.02         | 38.5106                  | 40.166                |
| BPSK       | 518598  | 2592.99         | 38.5717                  | 40.161                |
| BPSK       | 532998  | 2664.99         | 38.6258                  | 40.194                |
| 16QAM      | 504204  | 2521.02         | 42.4305                  | 44.256                |
| 16QAM      | 518598  | 2592.99         | 42.4576                  | 44.177                |
| 16QAM      | 532998  | 2664.99         | 42.5378                  | 44.227                |
| 64QAM      | 504204  | 2521.02         | 42.4345                  | 44.167                |
| 64QAM      | 518598  | 2592.99         | 42.4694                  | 44.191                |
| 64QAM      | 532998  | 2664.99         | 42.5435                  | 44.229                |
| 256QAM     | 504204  | 2521.02         | 42.4376                  | 44.177                |
| 256QAM     | 518598  | 2592.99         | 42.4953                  | 44.176                |
| 256QAM     | 532998  | 2664.99         | 42.5494                  | 44.196                |

## Spectrum Plot of Worst Value



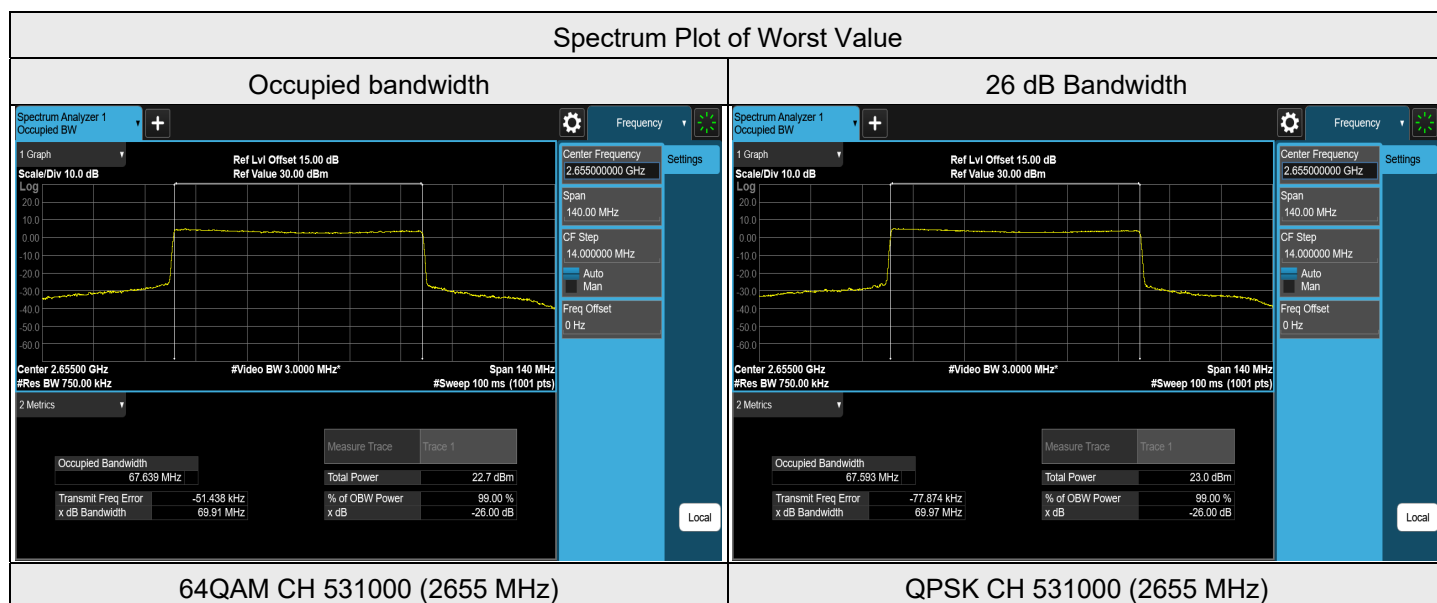
# NR n41 SCS 30 kHz, PC1.5\_MIMO-Ant 3, Channel Bandwidth: 60 MHz

| Modulation | Channel | Frequency (MHz) | Occupied Bandwidth (MHz) | 26 dB Bandwidth (MHz) |
|------------|---------|-----------------|--------------------------|-----------------------|
| QPSK       | 505200  | 2526            | 57.7110                  | 59.830                |
| QPSK       | 518598  | 2592.99         | 57.7915                  | 59.879                |
| QPSK       | 531996  | 2659.98         | 57.9055                  | 59.898                |
| BPSK       | 505200  | 2526            | 57.7324                  | 59.786                |
| BPSK       | 518598  | 2592.99         | 57.8212                  | 59.853                |
| BPSK       | 531996  | 2659.98         | 57.9127                  | 59.920                |
| 16QAM      | 505200  | 2526            | 57.7237                  | 59.861                |
| 16QAM      | 518598  | 2592.99         | 57.7969                  | 59.929                |
| 16QAM      | 531996  | 2659.98         | 57.9270                  | 59.949                |
| 64QAM      | 505200  | 2526            | 57.7666                  | 59.848                |
| 64QAM      | 518598  | 2592.99         | 57.8362                  | 59.904                |
| 64QAM      | 531996  | 2659.98         | 57.9393                  | 59.931                |
| 256QAM     | 505200  | 2526            | 57.6950                  | 59.798                |
| 256QAM     | 518598  | 2592.99         | 57.7761                  | 59.857                |
| 256QAM     | 531996  | 2659.98         | 57.8979                  | 59.850                |



# NR n41 SCS 30 kHz, PC1.5\_MIMO-Ant 3, Channel Bandwidth: 70 MHz

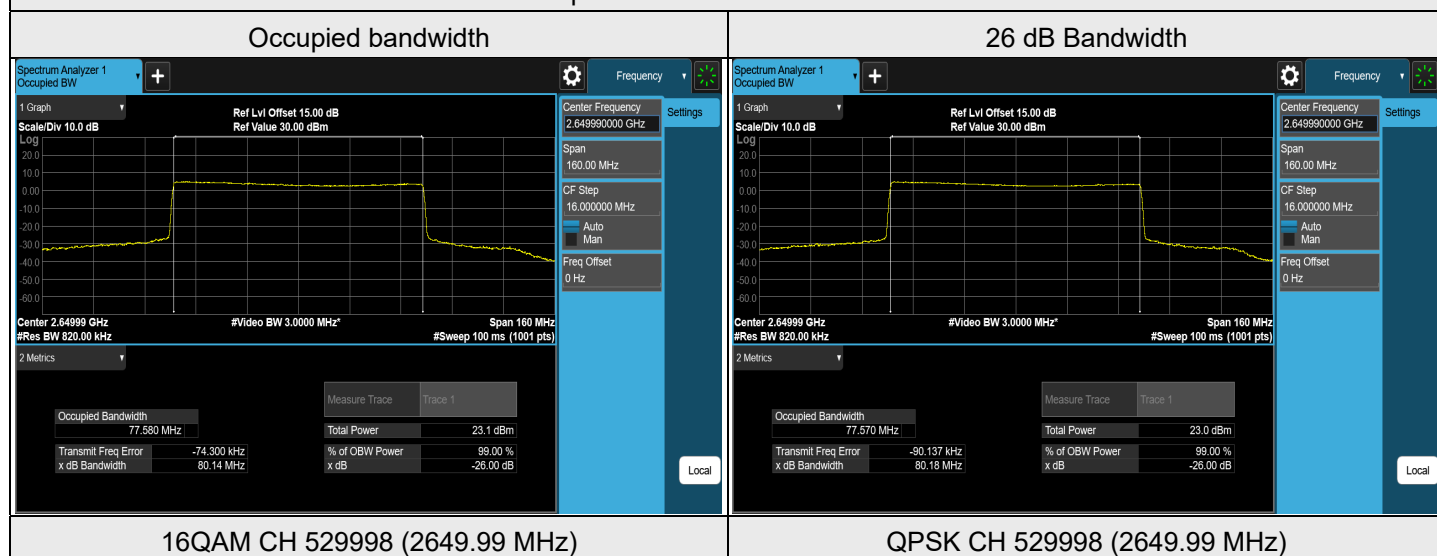
| Modulation | Channel | Frequency (MHz) | Occupied Bandwidth (MHz) | 26 dB Bandwidth (MHz) |
|------------|---------|-----------------|--------------------------|-----------------------|
| QPSK       | 506202  | 2531.01         | 67.3481                  | 69.874                |
| QPSK       | 518598  | 2592.99         | 67.4274                  | 69.907                |
| QPSK       | 531000  | 2655            | 67.5932                  | 69.969                |
| BPSK       | 506202  | 2531.01         | 64.1631                  | 66.602                |
| BPSK       | 518598  | 2592.99         | 64.2668                  | 66.619                |
| BPSK       | 531000  | 2655            | 64.3969                  | 66.659                |
| 16QAM      | 506202  | 2531.01         | 67.3297                  | 69.817                |
| 16QAM      | 518598  | 2592.99         | 67.4174                  | 69.873                |
| 16QAM      | 531000  | 2655            | 67.6101                  | 69.928                |
| 64QAM      | 506202  | 2531.01         | 67.3983                  | 69.875                |
| 64QAM      | 518598  | 2592.99         | 67.4675                  | 69.923                |
| 64QAM      | 531000  | 2655            | 67.6385                  | 69.905                |
| 256QAM     | 506202  | 2531.01         | 67.3345                  | 69.868                |
| 256QAM     | 518598  | 2592.99         | 67.4036                  | 69.849                |
| 256QAM     | 531000  | 2655            | 67.5541                  | 69.843                |



# NR n41 SCS 30 kHz, PC1.5\_MIMO-Ant 3, Channel Bandwidth: 80 MHz

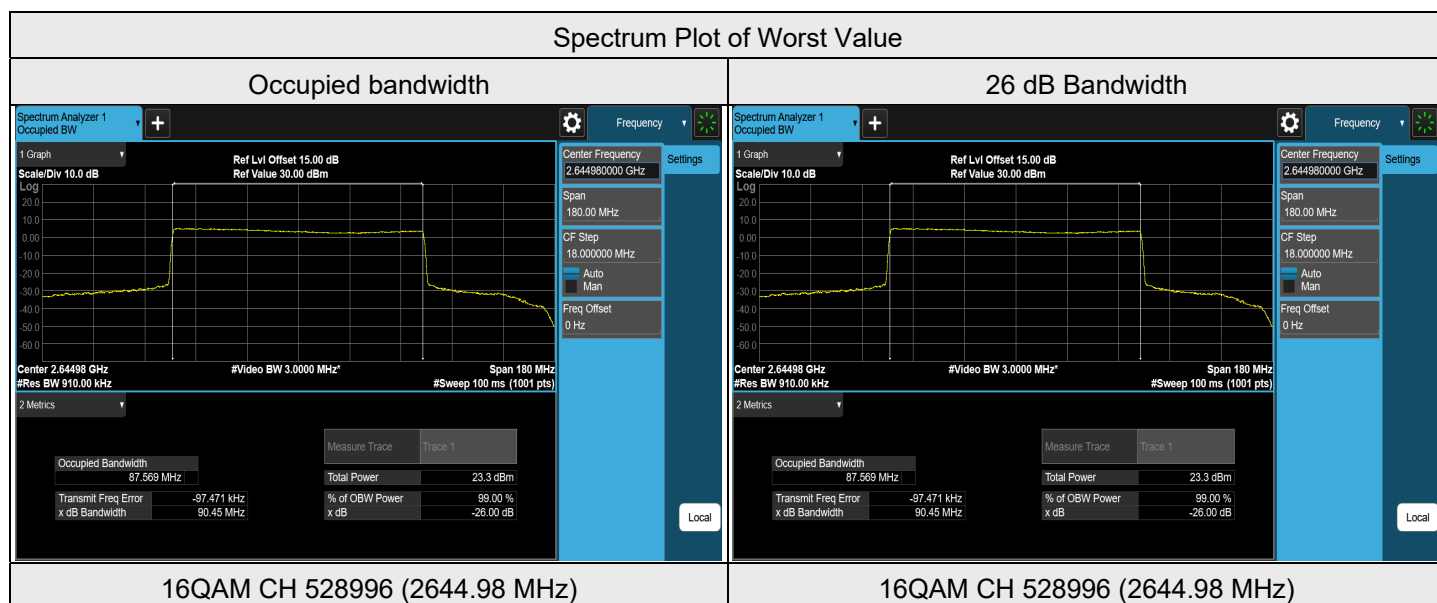
| Modulation | Channel | Frequency (MHz) | Occupied Bandwidth (MHz) | 26 dB Bandwidth (MHz) |
|------------|---------|-----------------|--------------------------|-----------------------|
| QPSK       | 507204  | 2536.02         | 77.3069                  | 80.081                |
| QPSK       | 518598  | 2592.99         | 77.3842                  | 80.161                |
| QPSK       | 529998  | 2649.99         | 77.5699                  | 80.176                |
| BPSK       | 507204  | 2536.02         | 76.9443                  | 79.687                |
| BPSK       | 518598  | 2592.99         | 77.0493                  | 79.759                |
| BPSK       | 529998  | 2649.99         | 77.2150                  | 79.767                |
| 16QAM      | 507204  | 2536.02         | 77.3335                  | 80.076                |
| 16QAM      | 518598  | 2592.99         | 77.4118                  | 80.130                |
| 16QAM      | 529998  | 2649.99         | 77.5802                  | 80.142                |
| 64QAM      | 507204  | 2536.02         | 77.3136                  | 80.091                |
| 64QAM      | 518598  | 2592.99         | 77.3835                  | 80.152                |
| 64QAM      | 529998  | 2649.99         | 77.5779                  | 80.121                |
| 256QAM     | 507204  | 2536.02         | 77.2689                  | 80.075                |
| 256QAM     | 518598  | 2592.99         | 77.3525                  | 80.106                |
| 256QAM     | 529998  | 2649.99         | 77.5489                  | 80.118                |

## Spectrum Plot of Worst Value



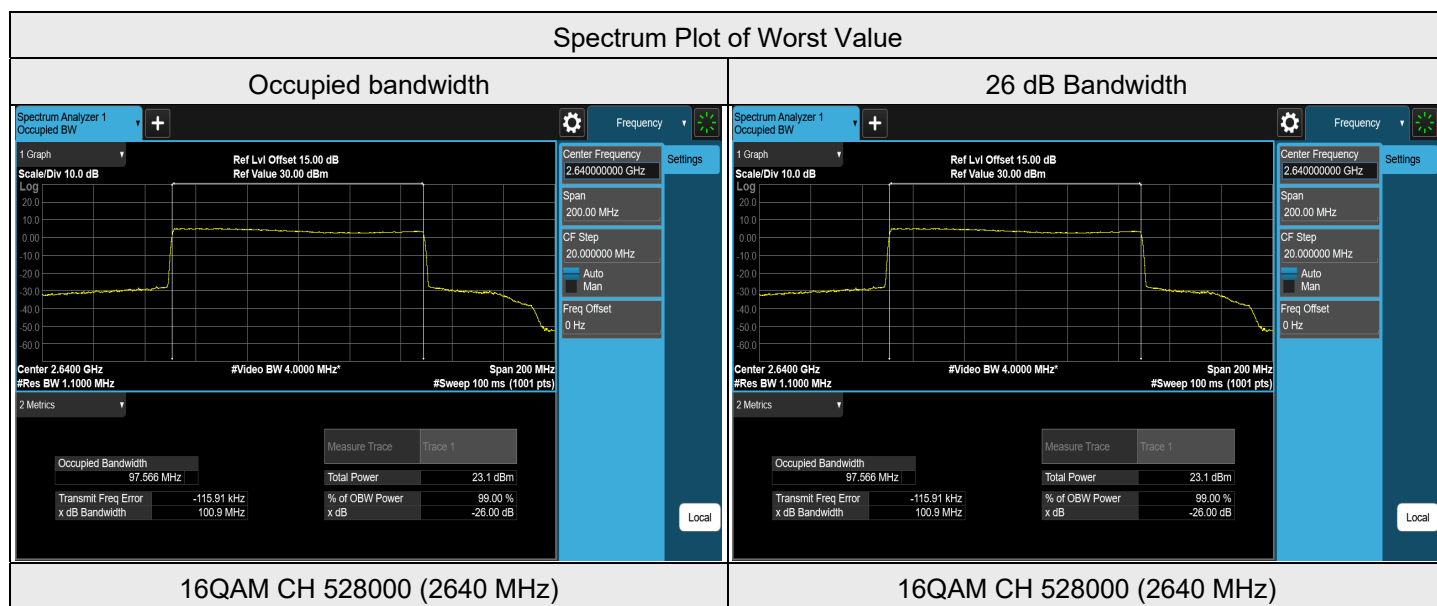
# NR n41 SCS 30 kHz, PC1.5\_MIMO-Ant 3, Channel Bandwidth: 90 MHz

| Modulation | Channel | Frequency (MHz) | Occupied Bandwidth (MHz) | 26 dB Bandwidth (MHz) |
|------------|---------|-----------------|--------------------------|-----------------------|
| QPSK       | 508200  | 2541            | 87.3028                  | 90.356                |
| QPSK       | 518598  | 2592.99         | 87.3611                  | 90.424                |
| QPSK       | 528996  | 2644.98         | 87.5349                  | 90.439                |
| BPSK       | 508200  | 2541            | 86.5863                  | 89.637                |
| BPSK       | 518598  | 2592.99         | 86.6740                  | 89.655                |
| BPSK       | 528996  | 2644.98         | 86.8163                  | 89.690                |
| 16QAM      | 508200  | 2541            | 87.3243                  | 90.361                |
| 16QAM      | 518598  | 2592.99         | 87.3728                  | 90.393                |
| 16QAM      | 528996  | 2644.98         | 87.5687                  | 90.451                |
| 64QAM      | 508200  | 2541            | 87.2766                  | 90.326                |
| 64QAM      | 518598  | 2592.99         | 87.3313                  | 90.382                |
| 64QAM      | 528996  | 2644.98         | 87.4884                  | 90.370                |
| 256QAM     | 508200  | 2541            | 87.2940                  | 90.340                |
| 256QAM     | 518598  | 2592.99         | 87.3691                  | 90.356                |
| 256QAM     | 528996  | 2644.98         | 87.5403                  | 90.360                |



# NR n41 SCS 30 kHz, PC1.5\_MIMO-Ant 3, Channel Bandwidth: 100 MHz

| Modulation | Channel | Frequency (MHz) | Occupied Bandwidth (MHz) | 26 dB Bandwidth (MHz) |
|------------|---------|-----------------|--------------------------|-----------------------|
| QPSK       | 509202  | 2546.01         | 97.3269                  | 100.873               |
| QPSK       | 518598  | 2592.99         | 97.3688                  | 100.898               |
| QPSK       | 528000  | 2640            | 97.5227                  | 100.891               |
| BPSK       | 509202  | 2546.01         | 96.2661                  | 99.777                |
| BPSK       | 518598  | 2592.99         | 96.3149                  | 99.811                |
| BPSK       | 528000  | 2640            | 96.4638                  | 99.852                |
| 16QAM      | 509202  | 2546.01         | 97.3504                  | 100.888               |
| 16QAM      | 518598  | 2592.99         | 97.4013                  | 100.927               |
| 16QAM      | 528000  | 2640            | 97.5659                  | 100.935               |
| 64QAM      | 509202  | 2546.01         | 97.2979                  | 100.835               |
| 64QAM      | 518598  | 2592.99         | 97.3531                  | 100.883               |
| 64QAM      | 528000  | 2640            | 97.5188                  | 100.896               |
| 256QAM     | 509202  | 2546.01         | 97.3033                  | 100.838               |
| 256QAM     | 518598  | 2592.99         | 97.3216                  | 100.884               |
| 256QAM     | 528000  | 2640            | 97.4959                  | 100.885               |

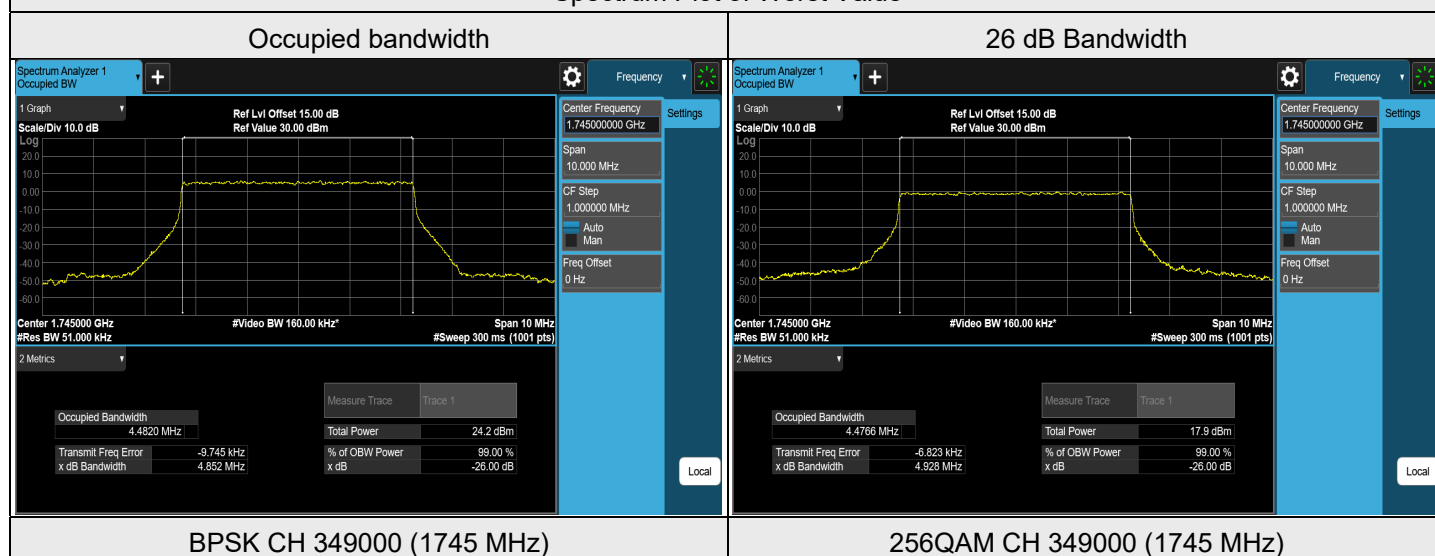


#### 7.4.12NR n66 SCS 15 kHz

#### NR n66 SCS 15 kHz, PC2\_MIMO-Ant 0, Channel Bandwidth: 5 MHz

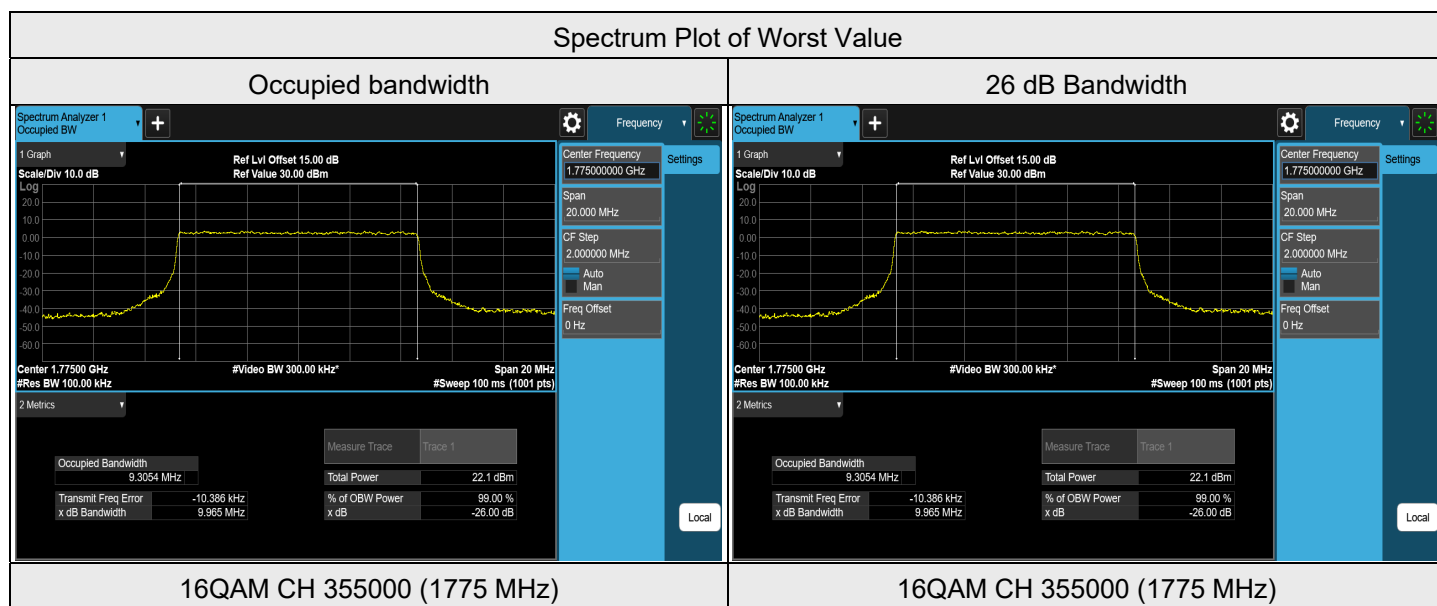
| Modulation | Channel | Frequency (MHz) | Occupied Bandwidth (MHz) | 26 dB Bandwidth (MHz) |
|------------|---------|-----------------|--------------------------|-----------------------|
| QPSK       | 342500  | 1712.5          | 4.4640                   | 4.922                 |
| QPSK       | 349000  | 1745            | 4.4644                   | 4.913                 |
| QPSK       | 355500  | 1777.5          | 4.4632                   | 4.905                 |
| BPSK       | 342500  | 1712.5          | 4.4810                   | 4.853                 |
| BPSK       | 349000  | 1745            | 4.4820                   | 4.852                 |
| BPSK       | 355500  | 1777.5          | 4.4801                   | 4.849                 |
| 16QAM      | 342500  | 1712.5          | 4.4732                   | 4.892                 |
| 16QAM      | 349000  | 1745            | 4.4730                   | 4.910                 |
| 16QAM      | 355500  | 1777.5          | 4.4707                   | 4.891                 |
| 64QAM      | 342500  | 1712.5          | 4.4738                   | 4.894                 |
| 64QAM      | 349000  | 1745            | 4.4745                   | 4.916                 |
| 64QAM      | 355500  | 1777.5          | 4.4729                   | 4.895                 |
| 256QAM     | 342500  | 1712.5          | 4.4777                   | 4.893                 |
| 256QAM     | 349000  | 1745            | 4.4766                   | 4.928                 |
| 256QAM     | 355500  | 1777.5          | 4.4763                   | 4.898                 |

#### Spectrum Plot of Worst Value



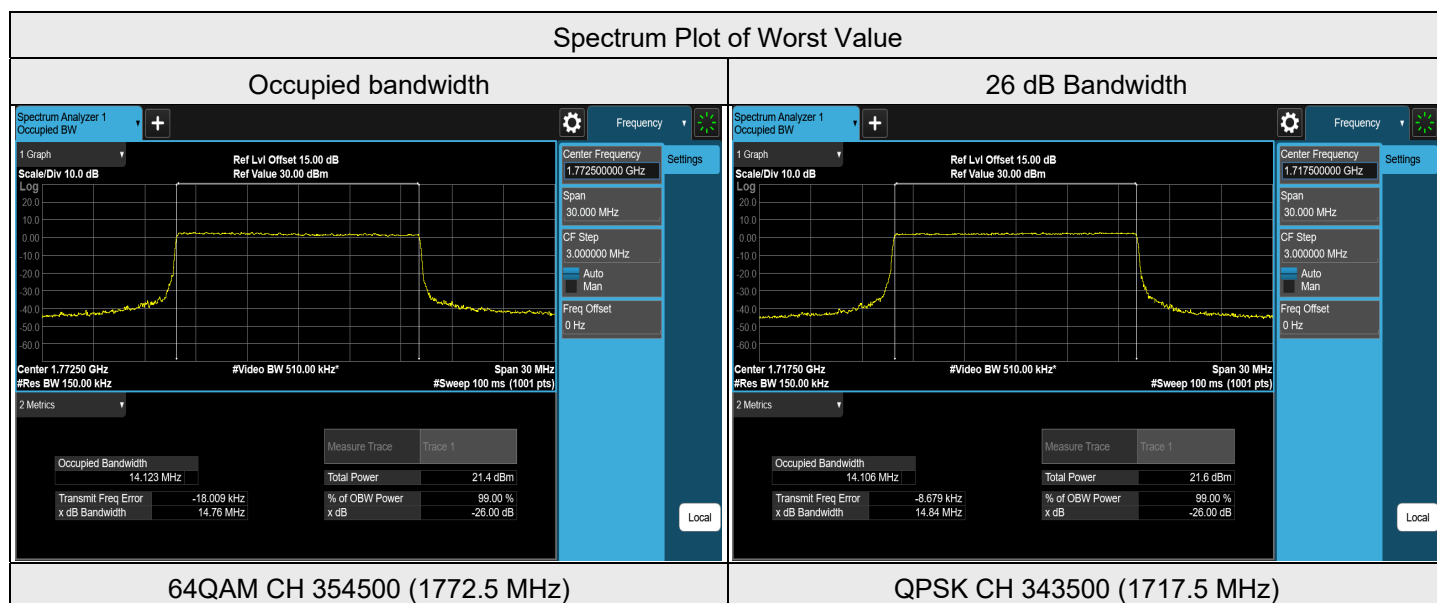
# NR n66 SCS 15 kHz, PC2\_MIMO-Ant 0, Channel Bandwidth: 10 MHz

| Modulation | Channel | Frequency (MHz) | Occupied Bandwidth (MHz) | 26 dB Bandwidth (MHz) |
|------------|---------|-----------------|--------------------------|-----------------------|
| QPSK       | 343000  | 1715            | 9.2798                   | 9.800                 |
| QPSK       | 349000  | 1745            | 9.2773                   | 9.811                 |
| QPSK       | 355000  | 1775            | 9.2784                   | 9.876                 |
| BPSK       | 343000  | 1715            | 8.9312                   | 9.397                 |
| BPSK       | 349000  | 1745            | 8.9322                   | 9.368                 |
| BPSK       | 355000  | 1775            | 8.9343                   | 9.423                 |
| 16QAM      | 343000  | 1715            | 9.2969                   | 9.909                 |
| 16QAM      | 349000  | 1745            | 9.2931                   | 9.887                 |
| 16QAM      | 355000  | 1775            | 9.3054                   | 9.965                 |
| 64QAM      | 343000  | 1715            | 9.2848                   | 9.827                 |
| 64QAM      | 349000  | 1745            | 9.2920                   | 9.830                 |
| 64QAM      | 355000  | 1775            | 9.2829                   | 9.865                 |
| 256QAM     | 343000  | 1715            | 9.2860                   | 9.827                 |
| 256QAM     | 349000  | 1745            | 9.2892                   | 9.842                 |
| 256QAM     | 355000  | 1775            | 9.2923                   | 9.817                 |



# NR n66 SCS 15 kHz, PC2\_MIMO-Ant 0, Channel Bandwidth: 15 MHz

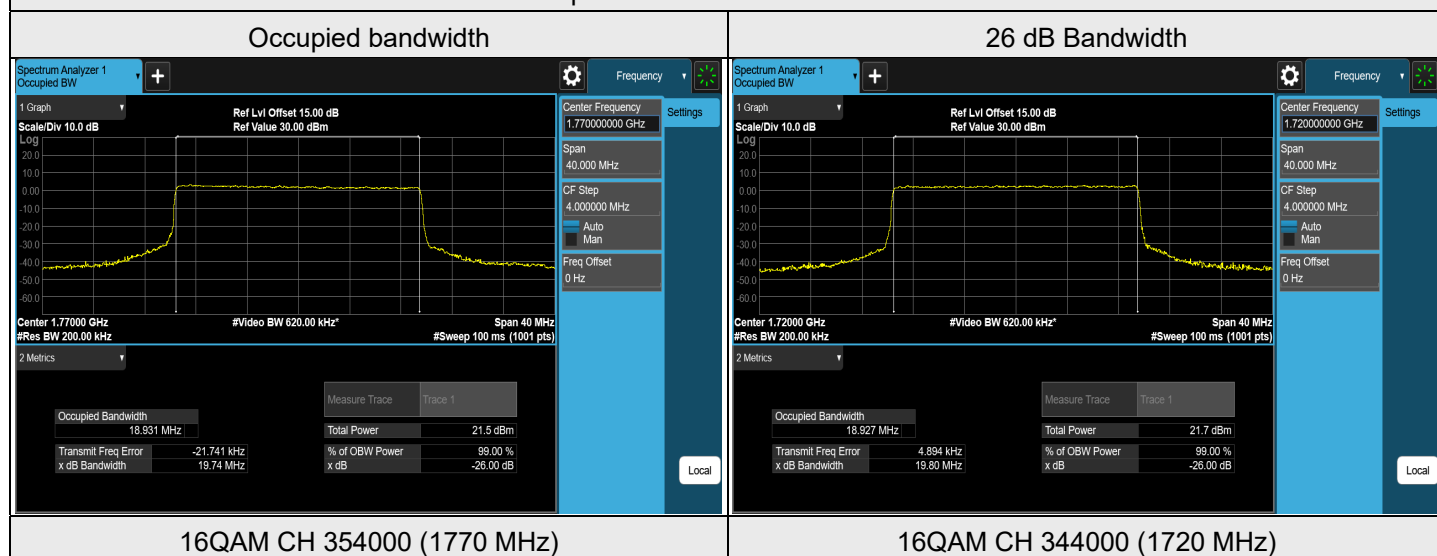
| Modulation | Channel | Frequency (MHz) | Occupied Bandwidth (MHz) | 26 dB Bandwidth (MHz) |
|------------|---------|-----------------|--------------------------|-----------------------|
| QPSK       | 343500  | 1717.5          | 14.1056                  | 14.845                |
| QPSK       | 349000  | 1745            | 14.1048                  | 14.790                |
| QPSK       | 354500  | 1772.5          | 14.1103                  | 14.830                |
| BPSK       | 343500  | 1717.5          | 13.4093                  | 13.958                |
| BPSK       | 349000  | 1745            | 13.4078                  | 13.960                |
| BPSK       | 354500  | 1772.5          | 13.4117                  | 14.005                |
| 16QAM      | 343500  | 1717.5          | 14.1071                  | 14.732                |
| 16QAM      | 349000  | 1745            | 14.1083                  | 14.751                |
| 16QAM      | 354500  | 1772.5          | 14.1113                  | 14.713                |
| 64QAM      | 343500  | 1717.5          | 14.1182                  | 14.728                |
| 64QAM      | 349000  | 1745            | 14.1138                  | 14.777                |
| 64QAM      | 354500  | 1772.5          | 14.1232                  | 14.758                |
| 256QAM     | 343500  | 1717.5          | 14.0885                  | 14.693                |
| 256QAM     | 349000  | 1745            | 14.0913                  | 14.716                |
| 256QAM     | 354500  | 1772.5          | 14.0905                  | 14.718                |



# NR n66 SCS 15 kHz, PC2\_MIMO-Ant 0, Channel Bandwidth: 20 MHz

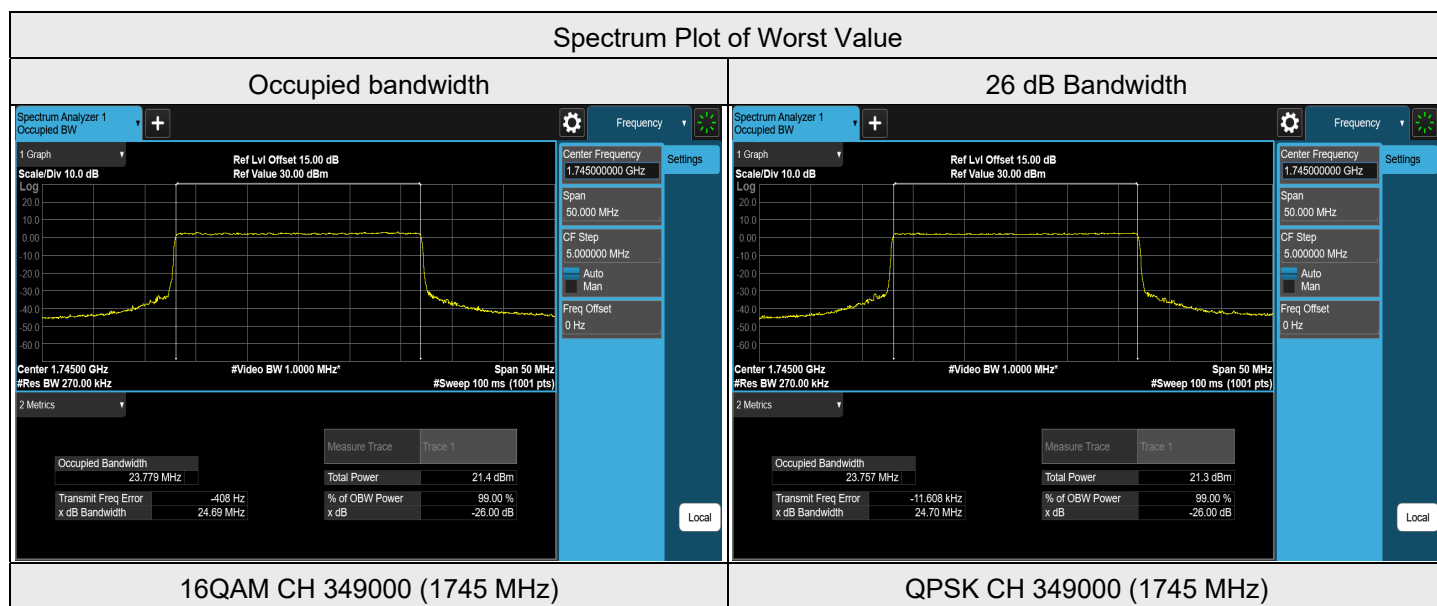
| Modulation | Channel | Frequency (MHz) | Occupied Bandwidth (MHz) | 26 dB Bandwidth (MHz) |
|------------|---------|-----------------|--------------------------|-----------------------|
| QPSK       | 344000  | 1720            | 18.9222                  | 19.753                |
| QPSK       | 349000  | 1745            | 18.9299                  | 19.727                |
| QPSK       | 354000  | 1770            | 18.9307                  | 19.779                |
| BPSK       | 344000  | 1720            | 17.8536                  | 18.559                |
| BPSK       | 349000  | 1745            | 17.8525                  | 18.557                |
| BPSK       | 354000  | 1770            | 17.8504                  | 18.553                |
| 16QAM      | 344000  | 1720            | 18.9273                  | 19.796                |
| 16QAM      | 349000  | 1745            | 18.9274                  | 19.762                |
| 16QAM      | 354000  | 1770            | 18.9309                  | 19.744                |
| 64QAM      | 344000  | 1720            | 18.9161                  | 19.696                |
| 64QAM      | 349000  | 1745            | 18.9197                  | 19.663                |
| 64QAM      | 354000  | 1770            | 18.9266                  | 19.632                |
| 256QAM     | 344000  | 1720            | 18.9137                  | 19.654                |
| 256QAM     | 349000  | 1745            | 18.9232                  | 19.633                |
| 256QAM     | 354000  | 1770            | 18.9246                  | 19.629                |

## Spectrum Plot of Worst Value



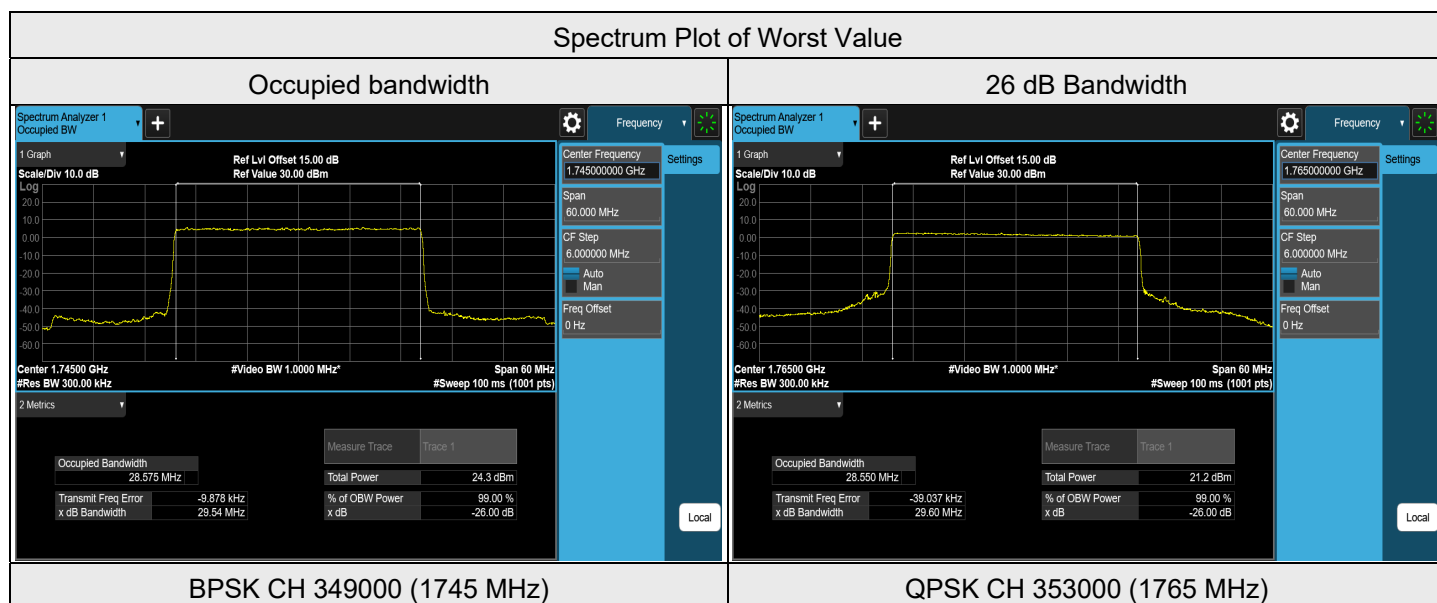
# NR n66 SCS 15 kHz, PC2\_MIMO-Ant 0, Channel Bandwidth: 25 MHz

| Modulation | Channel | Frequency (MHz) | Occupied Bandwidth (MHz) | 26 dB Bandwidth (MHz) |
|------------|---------|-----------------|--------------------------|-----------------------|
| QPSK       | 344500  | 1722.5          | 23.7526                  | 24.679                |
| QPSK       | 349000  | 1745            | 23.7574                  | 24.696                |
| QPSK       | 353500  | 1767.5          | 23.7504                  | 24.639                |
| BPSK       | 344500  | 1722.5          | 22.8843                  | 23.714                |
| BPSK       | 349000  | 1745            | 22.8902                  | 23.710                |
| BPSK       | 353500  | 1767.5          | 22.8792                  | 23.724                |
| 16QAM      | 344500  | 1722.5          | 23.7791                  | 24.673                |
| 16QAM      | 349000  | 1745            | 23.7794                  | 24.689                |
| 16QAM      | 353500  | 1767.5          | 23.7733                  | 24.692                |
| 64QAM      | 344500  | 1722.5          | 23.7389                  | 24.649                |
| 64QAM      | 349000  | 1745            | 23.7436                  | 24.648                |
| 64QAM      | 353500  | 1767.5          | 23.7468                  | 24.667                |
| 256QAM     | 344500  | 1722.5          | 23.7426                  | 24.668                |
| 256QAM     | 349000  | 1745            | 23.7428                  | 24.694                |
| 256QAM     | 353500  | 1767.5          | 23.7348                  | 24.628                |



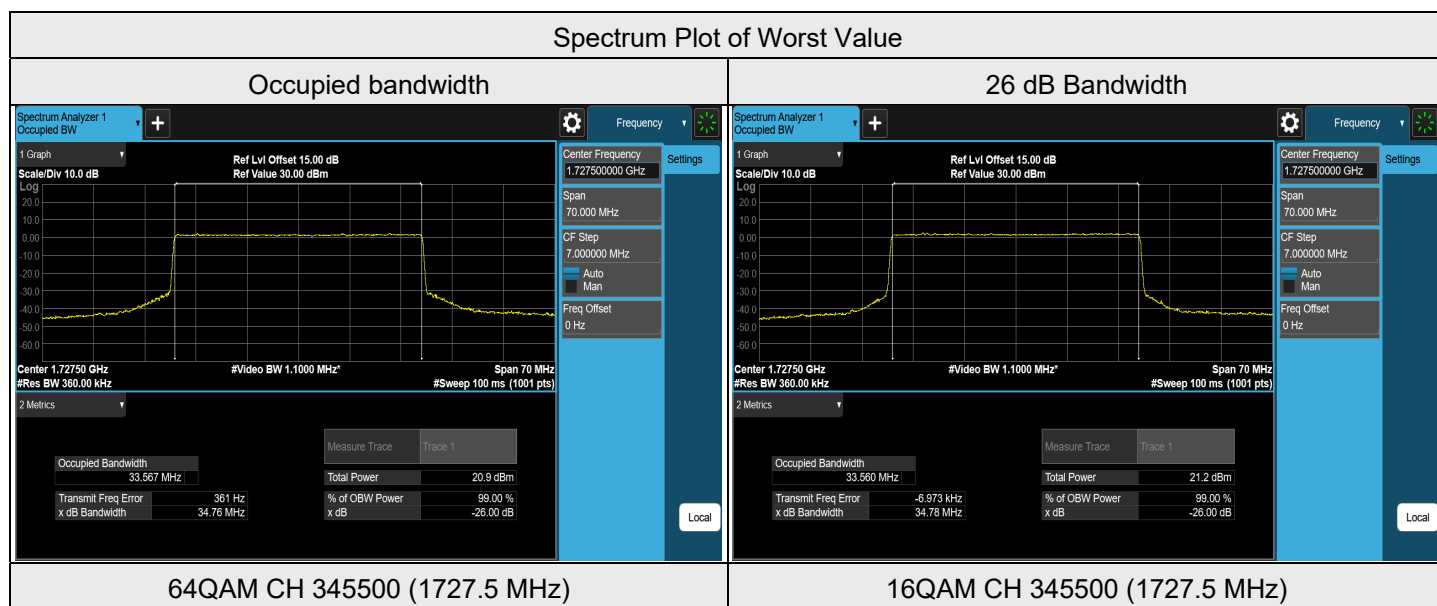
# NR n66 SCS 15 kHz, PC2\_MIMO-Ant 0, Channel Bandwidth: 30 MHz

| Modulation | Channel | Frequency (MHz) | Occupied Bandwidth (MHz) | 26 dB Bandwidth (MHz) |
|------------|---------|-----------------|--------------------------|-----------------------|
| QPSK       | 345000  | 1725            | 28.5542                  | 29.575                |
| QPSK       | 349000  | 1745            | 28.5679                  | 29.584                |
| QPSK       | 353000  | 1765            | 28.5504                  | 29.604                |
| BPSK       | 345000  | 1725            | 28.5712                  | 29.573                |
| BPSK       | 349000  | 1745            | 28.5746                  | 29.543                |
| BPSK       | 353000  | 1765            | 28.5554                  | 29.540                |
| 16QAM      | 345000  | 1725            | 28.5397                  | 29.577                |
| 16QAM      | 349000  | 1745            | 28.5440                  | 29.566                |
| 16QAM      | 353000  | 1765            | 28.5275                  | 29.531                |
| 64QAM      | 345000  | 1725            | 28.5663                  | 29.585                |
| 64QAM      | 349000  | 1745            | 28.5627                  | 29.580                |
| 64QAM      | 353000  | 1765            | 28.5557                  | 29.573                |
| 256QAM     | 345000  | 1725            | 28.5512                  | 29.559                |
| 256QAM     | 349000  | 1745            | 28.5618                  | 29.569                |
| 256QAM     | 353000  | 1765            | 28.5445                  | 29.540                |



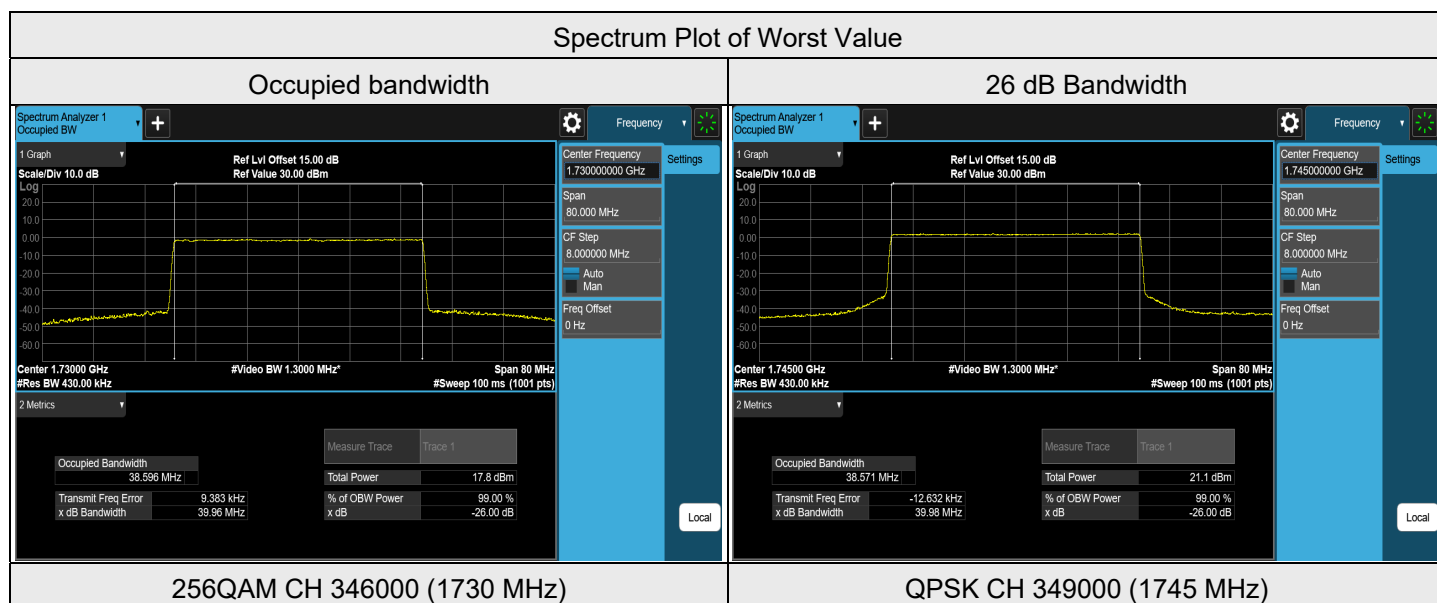
# NR n66 SCS 15 kHz, PC2\_MIMO-Ant 0, Channel Bandwidth: 35 MHz

| Modulation | Channel | Frequency (MHz) | Occupied Bandwidth (MHz) | 26 dB Bandwidth (MHz) |
|------------|---------|-----------------|--------------------------|-----------------------|
| QPSK       | 345500  | 1727.5          | 33.5444                  | 34.775                |
| QPSK       | 349000  | 1745            | 33.5478                  | 34.761                |
| QPSK       | 352500  | 1762.5          | 33.5254                  | 34.752                |
| BPSK       | 345500  | 1727.5          | 32.1189                  | 33.272                |
| BPSK       | 349000  | 1745            | 32.1169                  | 33.300                |
| BPSK       | 352500  | 1762.5          | 32.0965                  | 33.263                |
| 16QAM      | 345500  | 1727.5          | 33.5604                  | 34.781                |
| 16QAM      | 349000  | 1745            | 33.5610                  | 34.749                |
| 16QAM      | 352500  | 1762.5          | 33.5365                  | 34.749                |
| 64QAM      | 345500  | 1727.5          | 33.5674                  | 34.758                |
| 64QAM      | 349000  | 1745            | 33.5658                  | 34.754                |
| 64QAM      | 352500  | 1762.5          | 33.5457                  | 34.738                |
| 256QAM     | 345500  | 1727.5          | 33.5397                  | 34.724                |
| 256QAM     | 349000  | 1745            | 33.5370                  | 34.736                |
| 256QAM     | 352500  | 1762.5          | 33.5214                  | 34.743                |



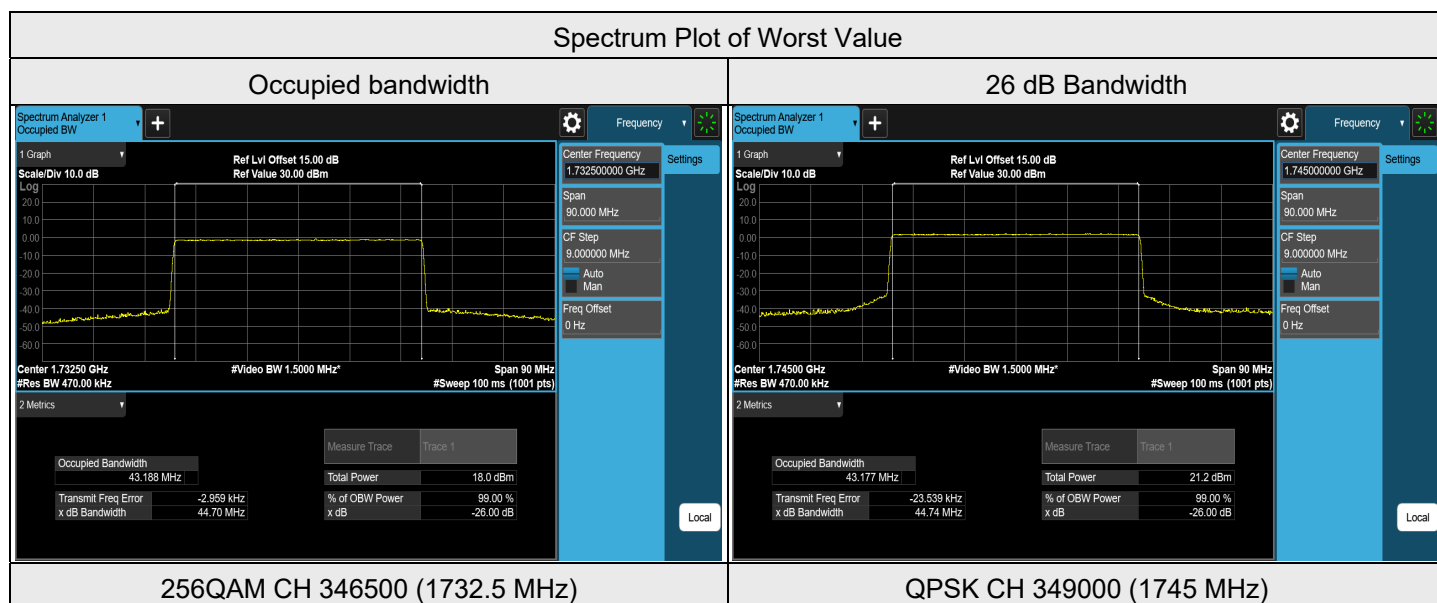
# NR n66 SCS 15 kHz, PC2\_MIMO-Ant 0, Channel Bandwidth: 40 MHz

| Modulation | Channel | Frequency (MHz) | Occupied Bandwidth (MHz) | 26 dB Bandwidth (MHz) |
|------------|---------|-----------------|--------------------------|-----------------------|
| QPSK       | 346000  | 1730            | 38.5687                  | 39.958                |
| QPSK       | 349000  | 1745            | 38.5706                  | 39.975                |
| QPSK       | 352000  | 1760            | 38.5359                  | 39.919                |
| BPSK       | 346000  | 1730            | 38.5588                  | 39.940                |
| BPSK       | 349000  | 1745            | 38.5543                  | 39.933                |
| BPSK       | 352000  | 1760            | 38.5271                  | 39.917                |
| 16QAM      | 346000  | 1730            | 38.5242                  | 39.949                |
| 16QAM      | 349000  | 1745            | 38.5170                  | 39.935                |
| 16QAM      | 352000  | 1760            | 38.4926                  | 39.925                |
| 64QAM      | 346000  | 1730            | 38.5711                  | 39.952                |
| 64QAM      | 349000  | 1745            | 38.5626                  | 39.940                |
| 64QAM      | 352000  | 1760            | 38.5418                  | 39.920                |
| 256QAM     | 346000  | 1730            | 38.5957                  | 39.955                |
| 256QAM     | 349000  | 1745            | 38.5887                  | 39.949                |
| 256QAM     | 352000  | 1760            | 38.5748                  | 39.972                |



# NR n66 SCS 15 kHz, PC2\_MIMO-Ant 0, Channel Bandwidth: 45 MHz

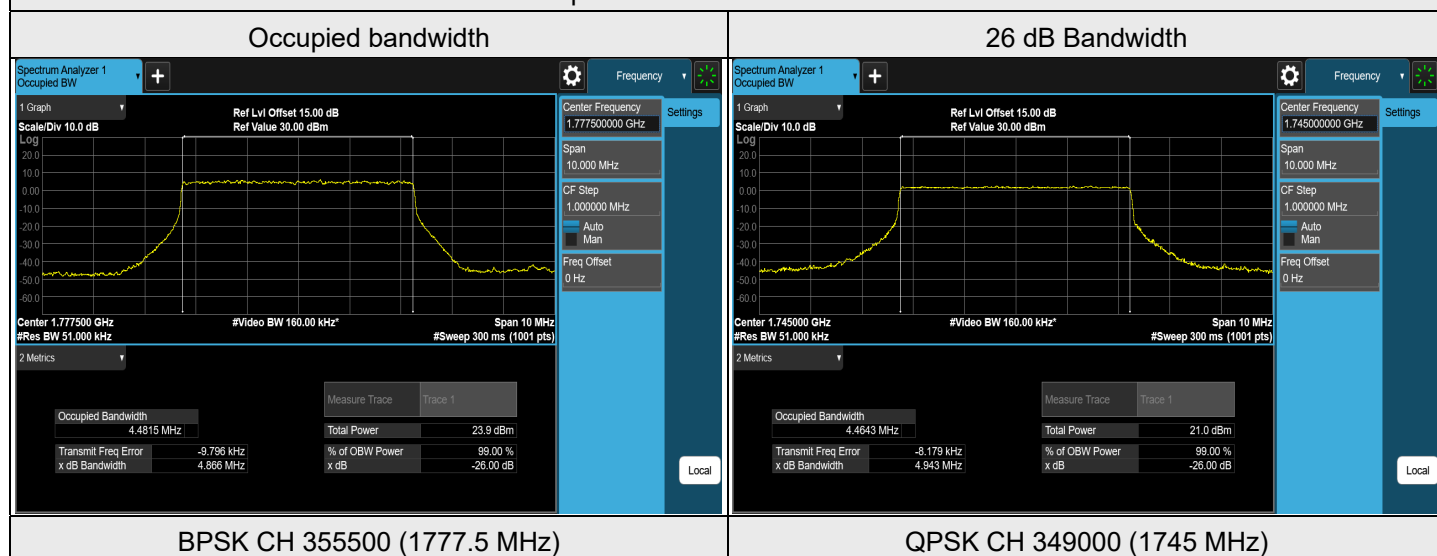
| Modulation | Channel | Frequency (MHz) | Occupied Bandwidth (MHz) | 26 dB Bandwidth (MHz) |
|------------|---------|-----------------|--------------------------|-----------------------|
| QPSK       | 346500  | 1732.5          | 43.1864                  | 44.728                |
| QPSK       | 349000  | 1745            | 43.1767                  | 44.737                |
| QPSK       | 351500  | 1757.5          | 43.1386                  | 44.720                |
| BPSK       | 346500  | 1732.5          | 42.9019                  | 44.389                |
| BPSK       | 349000  | 1745            | 42.8828                  | 44.379                |
| BPSK       | 351500  | 1757.5          | 42.8573                  | 44.362                |
| 16QAM      | 346500  | 1732.5          | 43.1794                  | 44.685                |
| 16QAM      | 349000  | 1745            | 43.1615                  | 44.714                |
| 16QAM      | 351500  | 1757.5          | 43.1334                  | 44.689                |
| 64QAM      | 346500  | 1732.5          | 43.1746                  | 44.714                |
| 64QAM      | 349000  | 1745            | 43.1541                  | 44.708                |
| 64QAM      | 351500  | 1757.5          | 43.1287                  | 44.681                |
| 256QAM     | 346500  | 1732.5          | 43.1878                  | 44.696                |
| 256QAM     | 349000  | 1745            | 43.1779                  | 44.693                |
| 256QAM     | 351500  | 1757.5          | 43.1417                  | 44.694                |



# NR n66 SCS 15 kHz, PC2\_MIMO-Ant 3, Channel Bandwidth: 5 MHz

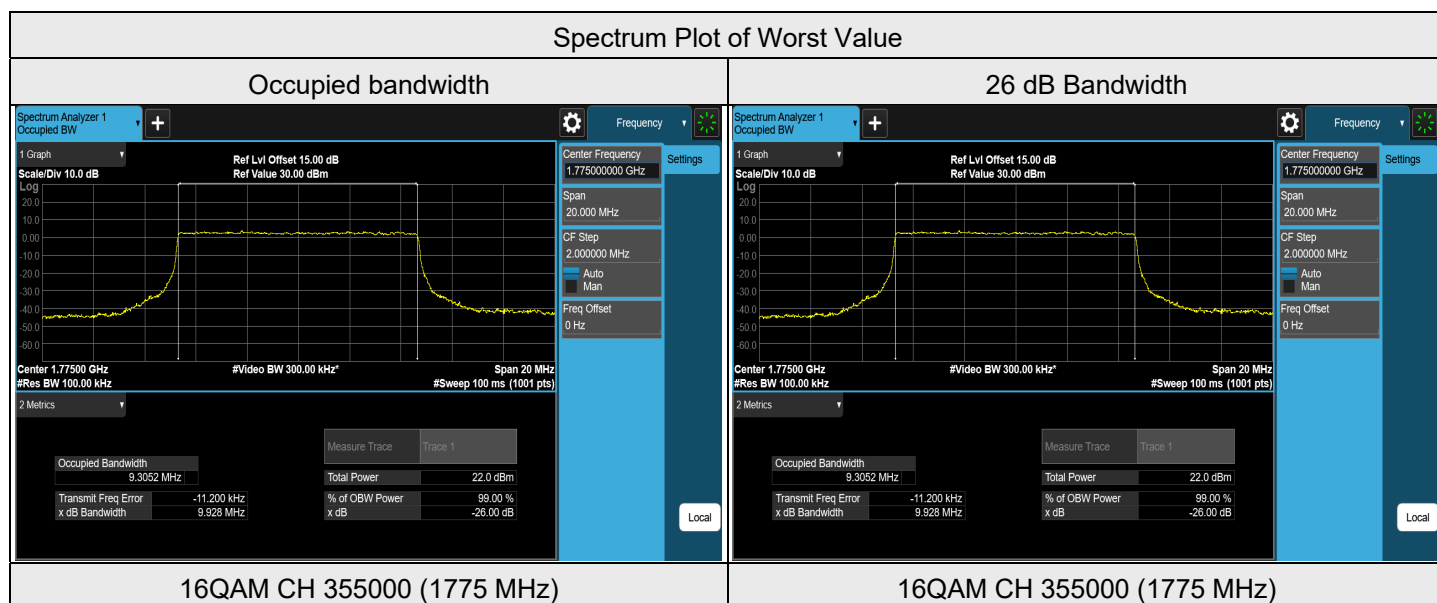
| Modulation | Channel | Frequency (MHz) | Occupied Bandwidth (MHz) | 26 dB Bandwidth (MHz) |
|------------|---------|-----------------|--------------------------|-----------------------|
| QPSK       | 342500  | 1712.5          | 4.4631                   | 4.916                 |
| QPSK       | 349000  | 1745            | 4.4643                   | 4.943                 |
| QPSK       | 355500  | 1777.5          | 4.4647                   | 4.934                 |
| BPSK       | 342500  | 1712.5          | 4.4811                   | 4.854                 |
| BPSK       | 349000  | 1745            | 4.4809                   | 4.864                 |
| BPSK       | 355500  | 1777.5          | 4.4815                   | 4.866                 |
| 16QAM      | 342500  | 1712.5          | 4.4706                   | 4.927                 |
| 16QAM      | 349000  | 1745            | 4.4720                   | 4.936                 |
| 16QAM      | 355500  | 1777.5          | 4.4700                   | 4.934                 |
| 64QAM      | 342500  | 1712.5          | 4.4723                   | 4.912                 |
| 64QAM      | 349000  | 1745            | 4.4734                   | 4.923                 |
| 64QAM      | 355500  | 1777.5          | 4.4726                   | 4.890                 |
| 256QAM     | 342500  | 1712.5          | 4.4794                   | 4.886                 |
| 256QAM     | 349000  | 1745            | 4.4773                   | 4.906                 |
| 256QAM     | 355500  | 1777.5          | 4.4757                   | 4.880                 |

## Spectrum Plot of Worst Value



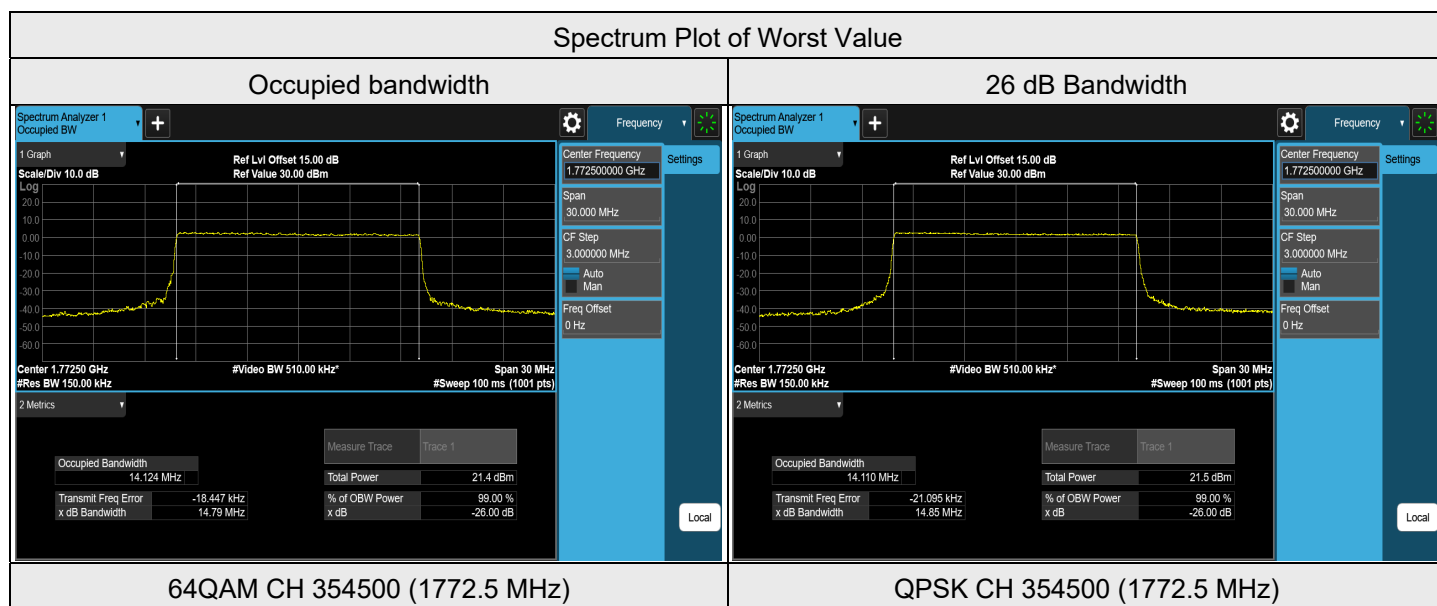
# NR n66 SCS 15 kHz, PC2\_MIMO-Ant 3, Channel Bandwidth: 10 MHz

| Modulation | Channel | Frequency (MHz) | Occupied Bandwidth (MHz) | 26 dB Bandwidth (MHz) |
|------------|---------|-----------------|--------------------------|-----------------------|
| QPSK       | 343000  | 1715            | 9.2805                   | 9.815                 |
| QPSK       | 349000  | 1745            | 9.2767                   | 9.806                 |
| QPSK       | 355000  | 1775            | 9.2781                   | 9.892                 |
| BPSK       | 343000  | 1715            | 8.9292                   | 9.376                 |
| BPSK       | 349000  | 1745            | 8.9297                   | 9.353                 |
| BPSK       | 355000  | 1775            | 8.9402                   | 9.431                 |
| 16QAM      | 343000  | 1715            | 9.2953                   | 9.918                 |
| 16QAM      | 349000  | 1745            | 9.2960                   | 9.896                 |
| 16QAM      | 355000  | 1775            | 9.3052                   | 9.928                 |
| 64QAM      | 343000  | 1715            | 9.2851                   | 9.846                 |
| 64QAM      | 349000  | 1745            | 9.2863                   | 9.868                 |
| 64QAM      | 355000  | 1775            | 9.2841                   | 9.807                 |
| 256QAM     | 343000  | 1715            | 9.2859                   | 9.830                 |
| 256QAM     | 349000  | 1745            | 9.2885                   | 9.827                 |
| 256QAM     | 355000  | 1775            | 9.2912                   | 9.845                 |



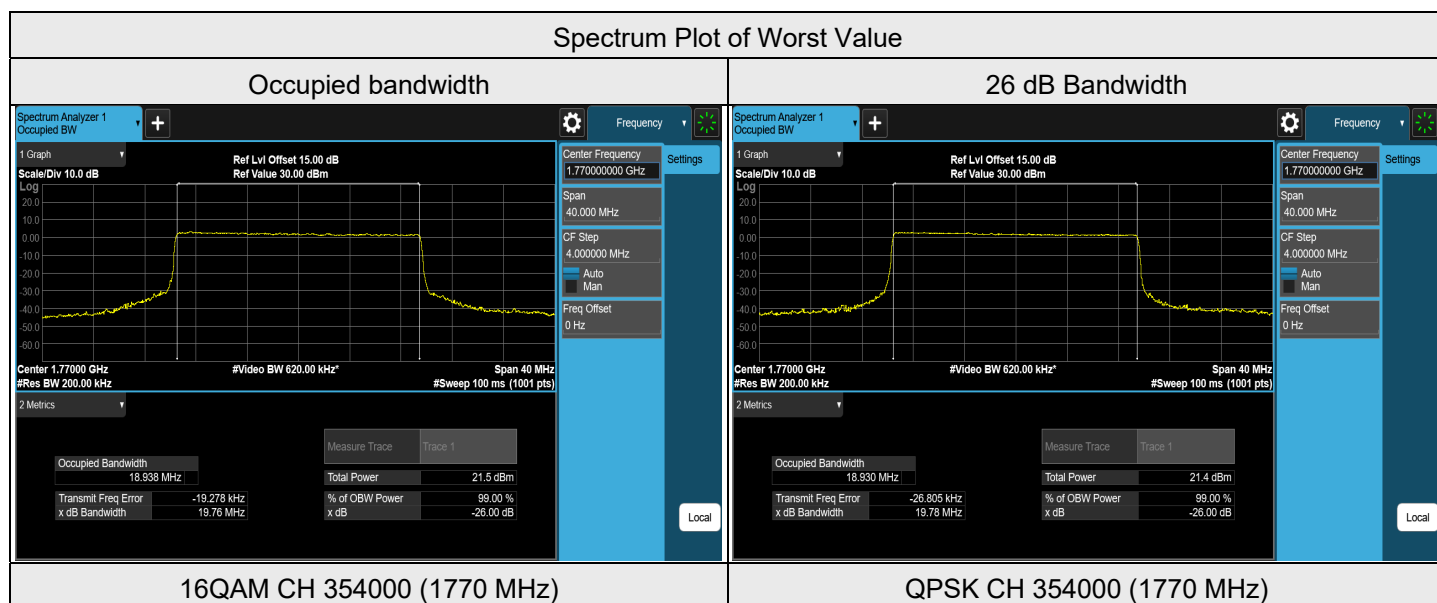
# NR n66 SCS 15 kHz, PC2\_MIMO-Ant 3, Channel Bandwidth: 15 MHz

| Modulation | Channel | Frequency (MHz) | Occupied Bandwidth (MHz) | 26 dB Bandwidth (MHz) |
|------------|---------|-----------------|--------------------------|-----------------------|
| QPSK       | 343500  | 1717.5          | 14.1031                  | 14.822                |
| QPSK       | 349000  | 1745            | 14.1071                  | 14.759                |
| QPSK       | 354500  | 1772.5          | 14.1097                  | 14.853                |
| BPSK       | 343500  | 1717.5          | 13.4123                  | 14.014                |
| BPSK       | 349000  | 1745            | 13.4081                  | 13.957                |
| BPSK       | 354500  | 1772.5          | 13.4128                  | 13.988                |
| 16QAM      | 343500  | 1717.5          | 14.1049                  | 14.744                |
| 16QAM      | 349000  | 1745            | 14.1121                  | 14.774                |
| 16QAM      | 354500  | 1772.5          | 14.1080                  | 14.672                |
| 64QAM      | 343500  | 1717.5          | 14.1155                  | 14.756                |
| 64QAM      | 349000  | 1745            | 14.1158                  | 14.739                |
| 64QAM      | 354500  | 1772.5          | 14.1237                  | 14.792                |
| 256QAM     | 343500  | 1717.5          | 14.0881                  | 14.689                |
| 256QAM     | 349000  | 1745            | 14.0891                  | 14.735                |
| 256QAM     | 354500  | 1772.5          | 14.0907                  | 14.704                |



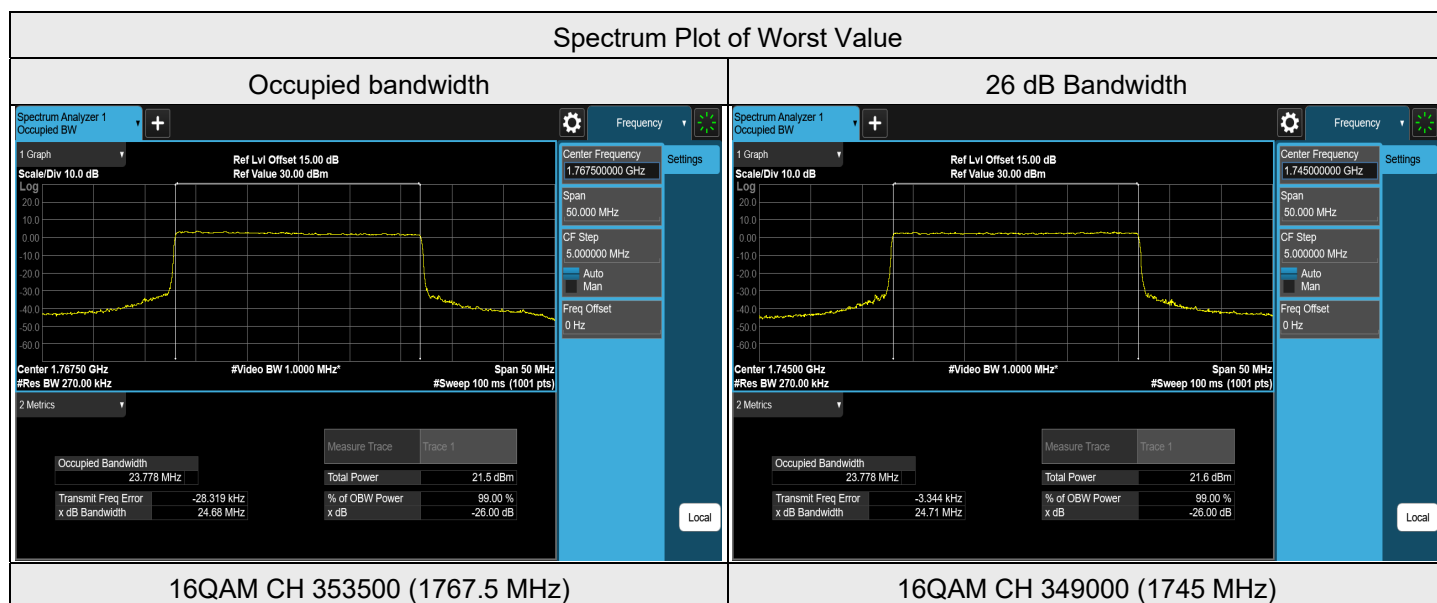
# NR n66 SCS 15 kHz, PC2\_MIMO-Ant 3, Channel Bandwidth: 20 MHz

| Modulation | Channel | Frequency (MHz) | Occupied Bandwidth (MHz) | 26 dB Bandwidth (MHz) |
|------------|---------|-----------------|--------------------------|-----------------------|
| QPSK       | 344000  | 1720            | 18.9292                  | 19.729                |
| QPSK       | 349000  | 1745            | 18.9311                  | 19.746                |
| QPSK       | 354000  | 1770            | 18.9299                  | 19.781                |
| BPSK       | 344000  | 1720            | 17.8482                  | 18.568                |
| BPSK       | 349000  | 1745            | 17.8556                  | 18.561                |
| BPSK       | 354000  | 1770            | 17.8635                  | 18.538                |
| 16QAM      | 344000  | 1720            | 18.9197                  | 19.734                |
| 16QAM      | 349000  | 1745            | 18.9294                  | 19.763                |
| 16QAM      | 354000  | 1770            | 18.9381                  | 19.761                |
| 64QAM      | 344000  | 1720            | 18.9154                  | 19.737                |
| 64QAM      | 349000  | 1745            | 18.9282                  | 19.674                |
| 64QAM      | 354000  | 1770            | 18.9267                  | 19.643                |
| 256QAM     | 344000  | 1720            | 18.9160                  | 19.650                |
| 256QAM     | 349000  | 1745            | 18.9213                  | 19.630                |
| 256QAM     | 354000  | 1770            | 18.9209                  | 19.623                |



# NR n66 SCS 15 kHz, PC2\_MIMO-Ant 3, Channel Bandwidth: 25 MHz

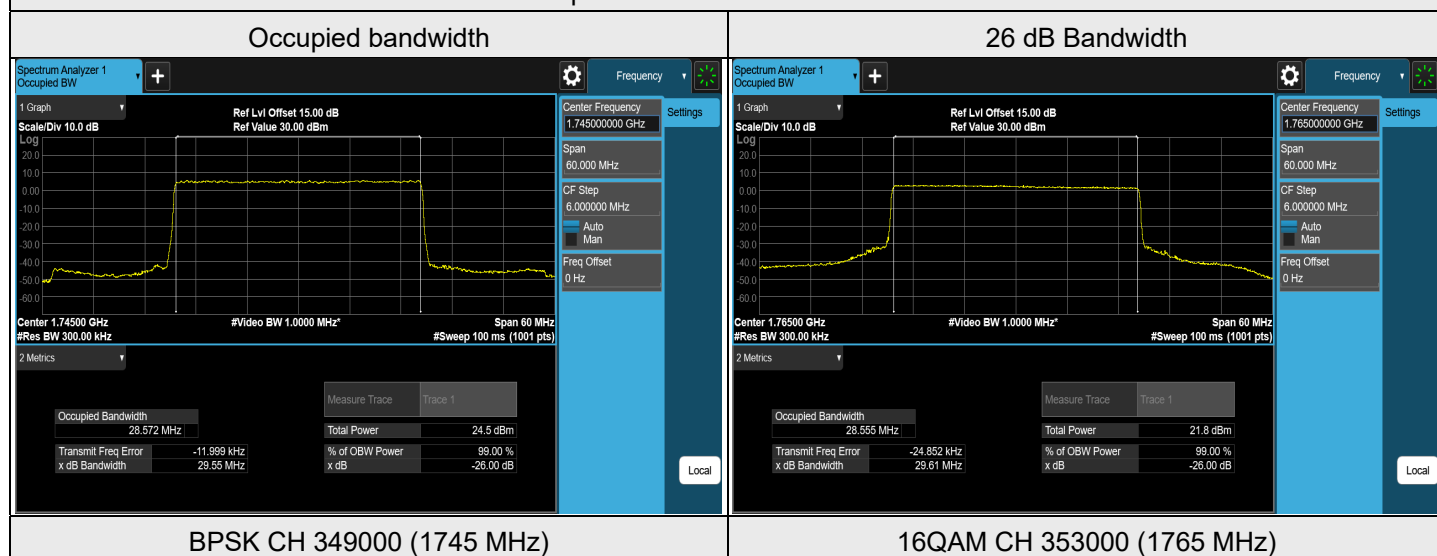
| Modulation | Channel | Frequency (MHz) | Occupied Bandwidth (MHz) | 26 dB Bandwidth (MHz) |
|------------|---------|-----------------|--------------------------|-----------------------|
| QPSK       | 344500  | 1722.5          | 23.7524                  | 24.653                |
| QPSK       | 349000  | 1745            | 23.7605                  | 24.687                |
| QPSK       | 353500  | 1767.5          | 23.7465                  | 24.657                |
| BPSK       | 344500  | 1722.5          | 22.8738                  | 23.725                |
| BPSK       | 349000  | 1745            | 22.8804                  | 23.704                |
| BPSK       | 353500  | 1767.5          | 22.8810                  | 23.696                |
| 16QAM      | 344500  | 1722.5          | 23.7746                  | 24.675                |
| 16QAM      | 349000  | 1745            | 23.7776                  | 24.708                |
| 16QAM      | 353500  | 1767.5          | 23.7782                  | 24.678                |
| 64QAM      | 344500  | 1722.5          | 23.7375                  | 24.655                |
| 64QAM      | 349000  | 1745            | 23.7382                  | 24.644                |
| 64QAM      | 353500  | 1767.5          | 23.7365                  | 24.664                |
| 256QAM     | 344500  | 1722.5          | 23.7416                  | 24.698                |
| 256QAM     | 349000  | 1745            | 23.7487                  | 24.702                |
| 256QAM     | 353500  | 1767.5          | 23.7414                  | 24.645                |



# NR n66 SCS 15 kHz, PC2\_MIMO-Ant 3, Channel Bandwidth: 30 MHz

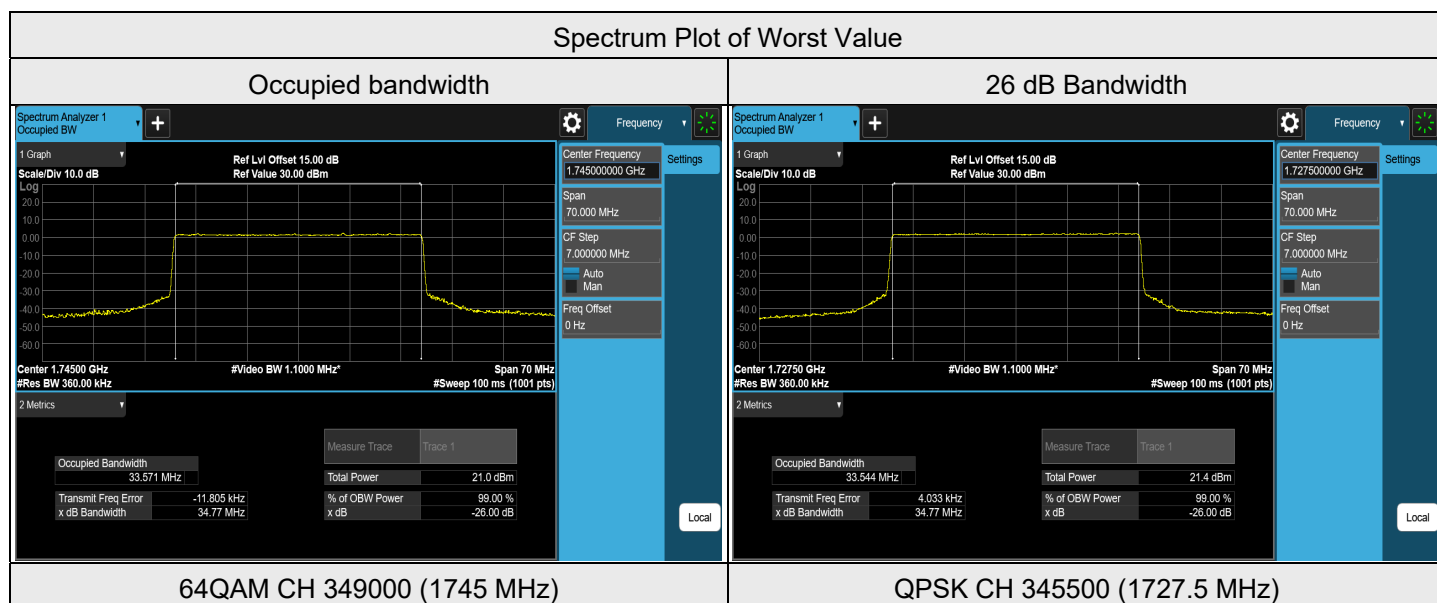
| Modulation | Channel | Frequency (MHz) | Occupied Bandwidth (MHz) | 26 dB Bandwidth (MHz) |
|------------|---------|-----------------|--------------------------|-----------------------|
| QPSK       | 345000  | 1725            | 28.5527                  | 29.567                |
| QPSK       | 349000  | 1745            | 28.5651                  | 29.591                |
| QPSK       | 353000  | 1765            | 28.5414                  | 29.564                |
| BPSK       | 345000  | 1725            | 28.5674                  | 29.559                |
| BPSK       | 349000  | 1745            | 28.5722                  | 29.550                |
| BPSK       | 353000  | 1765            | 28.5568                  | 29.536                |
| 16QAM      | 345000  | 1725            | 28.5396                  | 29.569                |
| 16QAM      | 349000  | 1745            | 28.5443                  | 29.559                |
| 16QAM      | 353000  | 1765            | 28.5552                  | 29.609                |
| 64QAM      | 345000  | 1725            | 28.5631                  | 29.570                |
| 64QAM      | 349000  | 1745            | 28.5657                  | 29.580                |
| 64QAM      | 353000  | 1765            | 28.5516                  | 29.551                |
| 256QAM     | 345000  | 1725            | 28.5491                  | 29.566                |
| 256QAM     | 349000  | 1745            | 28.5552                  | 29.569                |
| 256QAM     | 353000  | 1765            | 28.5375                  | 29.550                |

## Spectrum Plot of Worst Value



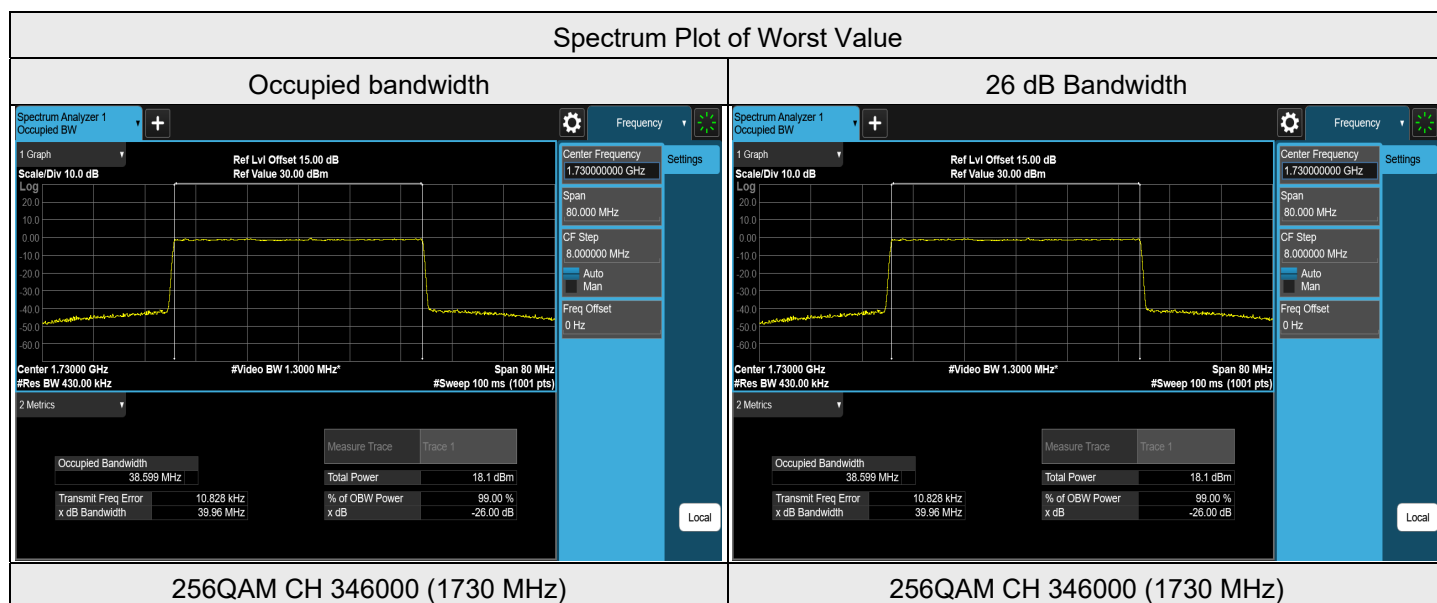
# NR n66 SCS 15 kHz, PC2\_MIMO-Ant 3, Channel Bandwidth: 35 MHz

| Modulation | Channel | Frequency (MHz) | Occupied Bandwidth (MHz) | 26 dB Bandwidth (MHz) |
|------------|---------|-----------------|--------------------------|-----------------------|
| QPSK       | 345500  | 1727.5          | 33.5435                  | 34.775                |
| QPSK       | 349000  | 1745            | 33.5413                  | 34.761                |
| QPSK       | 352500  | 1762.5          | 33.5205                  | 34.747                |
| BPSK       | 345500  | 1727.5          | 32.1182                  | 33.268                |
| BPSK       | 349000  | 1745            | 32.1187                  | 33.300                |
| BPSK       | 352500  | 1762.5          | 32.0924                  | 33.260                |
| 16QAM      | 345500  | 1727.5          | 33.5605                  | 34.772                |
| 16QAM      | 349000  | 1745            | 33.5678                  | 34.761                |
| 16QAM      | 352500  | 1762.5          | 33.5364                  | 34.747                |
| 64QAM      | 345500  | 1727.5          | 33.5678                  | 34.768                |
| 64QAM      | 349000  | 1745            | 33.5710                  | 34.772                |
| 64QAM      | 352500  | 1762.5          | 33.5422                  | 34.732                |
| 256QAM     | 345500  | 1727.5          | 33.5357                  | 34.737                |
| 256QAM     | 349000  | 1745            | 33.5428                  | 34.735                |
| 256QAM     | 352500  | 1762.5          | 33.5152                  | 34.751                |



# NR n66 SCS 15 kHz, PC2\_MIMO-Ant 3, Channel Bandwidth: 40 MHz

| Modulation | Channel | Frequency (MHz) | Occupied Bandwidth (MHz) | 26 dB Bandwidth (MHz) |
|------------|---------|-----------------|--------------------------|-----------------------|
| QPSK       | 346000  | 1730            | 38.5665                  | 39.952                |
| QPSK       | 349000  | 1745            | 38.5682                  | 39.959                |
| QPSK       | 352000  | 1760            | 38.5426                  | 39.927                |
| BPSK       | 346000  | 1730            | 38.5681                  | 39.936                |
| BPSK       | 349000  | 1745            | 38.5586                  | 39.948                |
| BPSK       | 352000  | 1760            | 38.5334                  | 39.923                |
| 16QAM      | 346000  | 1730            | 38.5180                  | 39.939                |
| 16QAM      | 349000  | 1745            | 38.5198                  | 39.944                |
| 16QAM      | 352000  | 1760            | 38.5020                  | 39.921                |
| 64QAM      | 346000  | 1730            | 38.5630                  | 39.953                |
| 64QAM      | 349000  | 1745            | 38.5667                  | 39.937                |
| 64QAM      | 352000  | 1760            | 38.5367                  | 39.911                |
| 256QAM     | 346000  | 1730            | 38.5992                  | 39.965                |
| 256QAM     | 349000  | 1745            | 38.5905                  | 39.946                |
| 256QAM     | 352000  | 1760            | 38.5626                  | 39.954                |



# NR n66 SCS 15 kHz, PC2\_MIMO-Ant 3, Channel Bandwidth: 45 MHz

| Modulation | Channel | Frequency (MHz) | Occupied Bandwidth (MHz) | 26 dB Bandwidth (MHz) |
|------------|---------|-----------------|--------------------------|-----------------------|
| QPSK       | 346500  | 1732.5          | 43.1824                  | 44.731                |
| QPSK       | 349000  | 1745            | 43.1729                  | 44.731                |
| QPSK       | 351500  | 1757.5          | 43.1505                  | 44.723                |
| BPSK       | 346500  | 1732.5          | 42.8992                  | 44.382                |
| BPSK       | 349000  | 1745            | 42.8892                  | 44.372                |
| BPSK       | 351500  | 1757.5          | 42.8484                  | 44.370                |
| 16QAM      | 346500  | 1732.5          | 43.1742                  | 44.708                |
| 16QAM      | 349000  | 1745            | 43.1580                  | 44.684                |
| 16QAM      | 351500  | 1757.5          | 43.1358                  | 44.671                |
| 64QAM      | 346500  | 1732.5          | 43.1722                  | 44.713                |
| 64QAM      | 349000  | 1745            | 43.1576                  | 44.703                |
| 64QAM      | 351500  | 1757.5          | 43.1275                  | 44.692                |
| 256QAM     | 346500  | 1732.5          | 43.1967                  | 44.701                |
| 256QAM     | 349000  | 1745            | 43.1735                  | 44.691                |
| 256QAM     | 351500  | 1757.5          | 43.1518                  | 44.686                |

