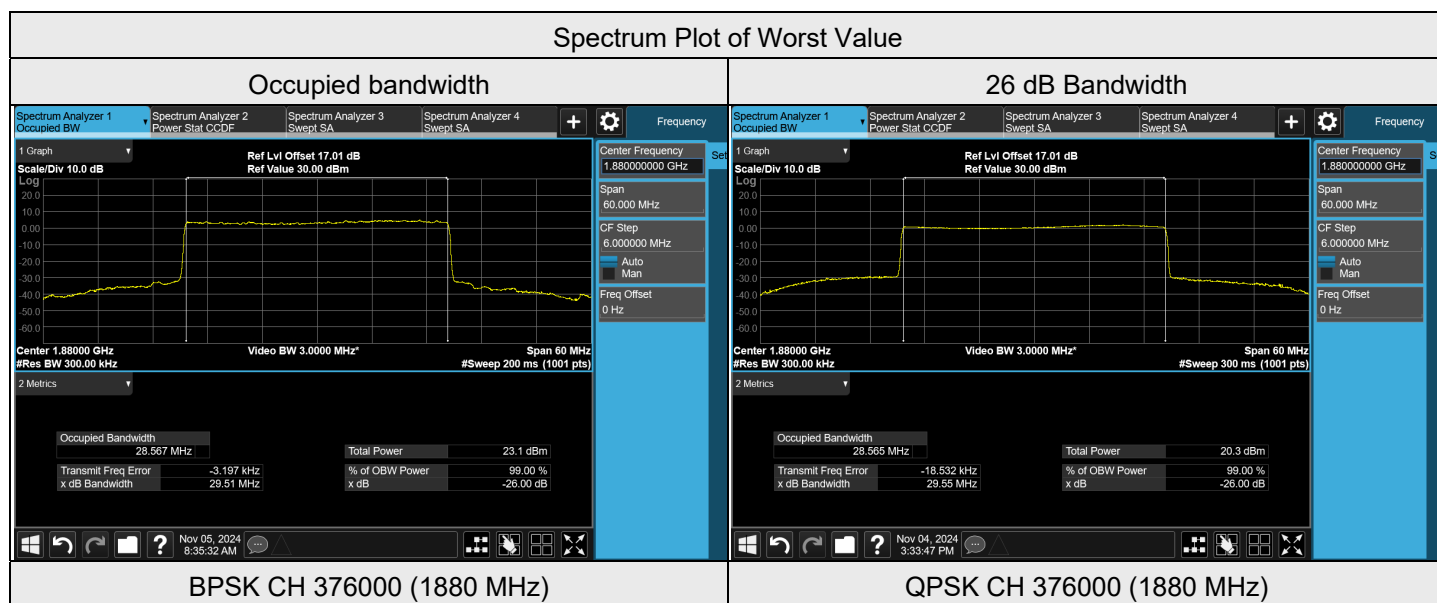


NR n2 SCS 15 kHz - MIMO-Ant 4, Channel Bandwidth: 30 MHz

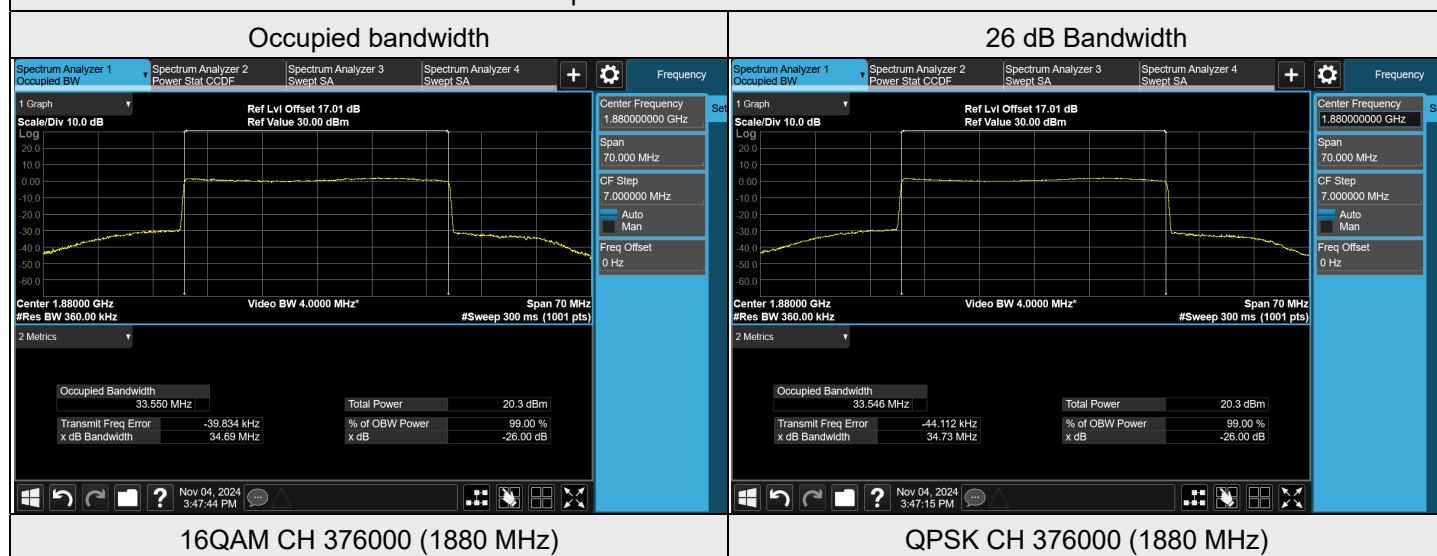
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	373000	1865	28.502	29.49
BPSK	376000	1880	28.567	29.51
BPSK	379000	1895	28.558	29.51
QPSK	373000	1865	28.479	29.49
QPSK	376000	1880	28.565	29.55
QPSK	379000	1895	28.538	29.52
16QAM	373000	1865	28.466	29.49
16QAM	376000	1880	28.556	29.52
16QAM	379000	1895	28.528	29.52
64QAM	373000	1865	28.468	29.50
64QAM	376000	1880	28.564	29.53
64QAM	379000	1895	28.525	29.52
256QAM	373000	1865	28.472	29.50
256QAM	376000	1880	28.566	29.54
256QAM	379000	1895	28.539	29.52



NR n2 SCS 15 kHz - MIMO-Ant 4, Channel Bandwidth: 35 MHz

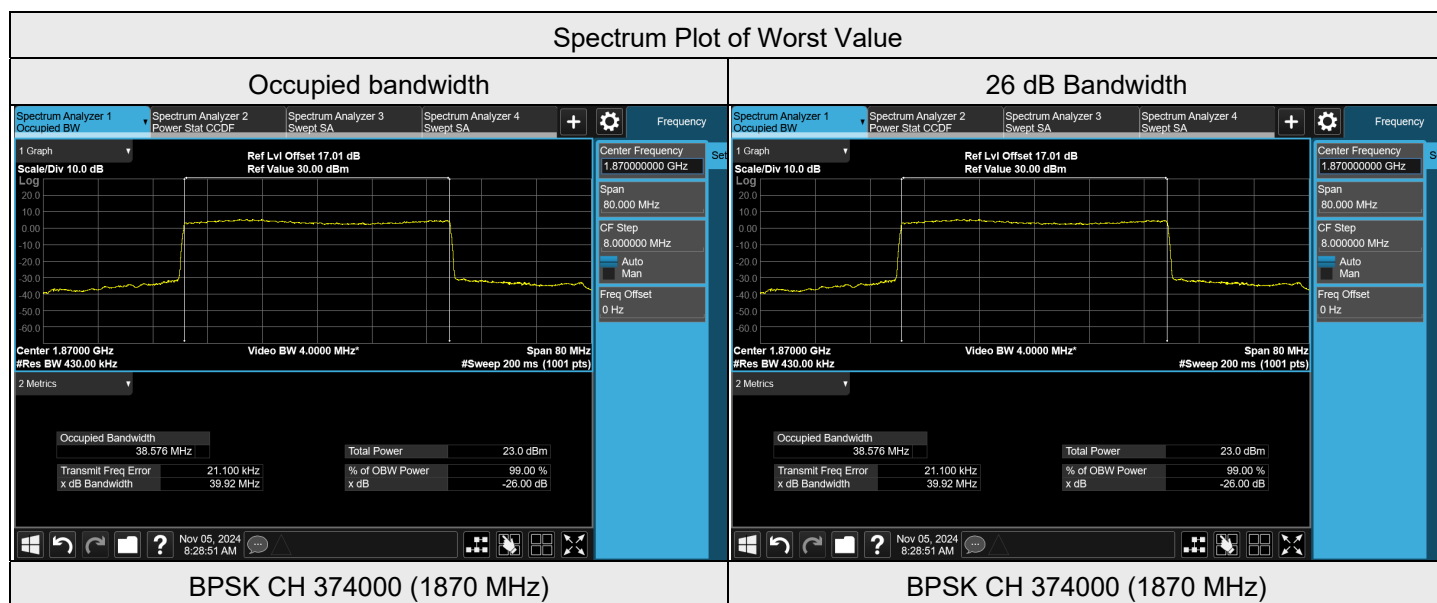
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	373500	1867.5	32.098	33.24
BPSK	376000	1880	32.148	33.24
BPSK	378500	1892.5	32.108	33.24
QPSK	373500	1867.5	33.510	34.70
QPSK	376000	1880	33.546	34.73
QPSK	378500	1892.5	33.516	34.70
16QAM	373500	1867.5	33.521	34.69
16QAM	376000	1880	33.550	34.69
16QAM	378500	1892.5	33.522	34.70
64QAM	373500	1867.5	33.501	34.68
64QAM	376000	1880	33.533	34.70
64QAM	378500	1892.5	33.500	34.69
256QAM	373500	1867.5	33.513	34.69
256QAM	376000	1880	33.545	34.72
256QAM	378500	1892.5	33.526	34.70

Spectrum Plot of Worst Value



NR n2 SCS 15 kHz - MIMO-Ant 4, Channel Bandwidth: 40 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	374000	1870	38.576	39.92
BPSK	376000	1880	38.546	39.89
BPSK	378000	1890	38.553	39.89
QPSK	374000	1870	38.536	39.89
QPSK	376000	1880	38.533	39.89
QPSK	378000	1890	38.545	39.90
16QAM	374000	1870	38.537	39.87
16QAM	376000	1880	38.535	39.89
16QAM	378000	1890	38.542	39.89
64QAM	374000	1870	38.535	39.86
64QAM	376000	1880	38.532	39.89
64QAM	378000	1890	38.537	39.87
256QAM	374000	1870	38.527	39.88
256QAM	376000	1880	38.508	39.89
256QAM	378000	1890	38.519	39.87

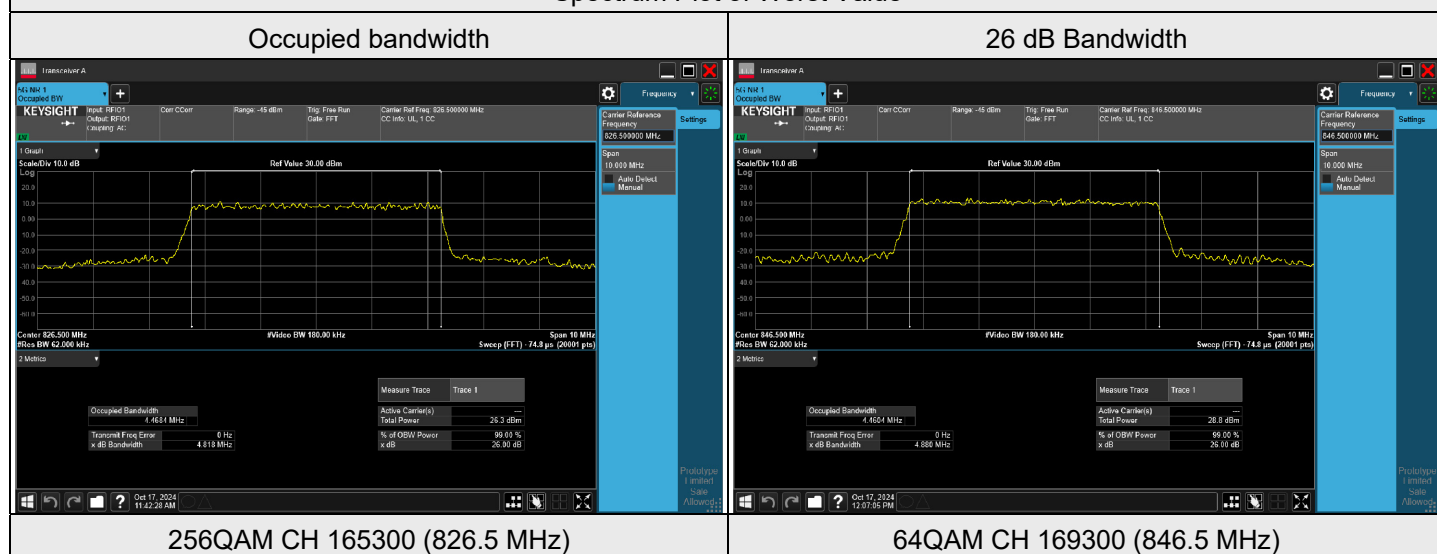


7.4.2 NR n5 SCS 15 kHz

NR n5 SCS 15 kHz - Ant 0, Channel Bandwidth: 5 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	165300	826.5	4.4542	4.792
BPSK	167300	836.5	4.4523	4.821
BPSK	169300	846.5	4.4543	4.814
QPSK	165300	826.5	4.4595	4.792
QPSK	167300	836.5	4.4594	4.799
QPSK	169300	846.5	4.4531	4.783
16QAM	165300	826.5	4.4511	4.759
16QAM	167300	836.5	4.4552	4.826
16QAM	169300	846.5	4.4614	4.811
64QAM	165300	826.5	4.4604	4.874
64QAM	167300	836.5	4.4673	4.877
64QAM	169300	846.5	4.4604	4.880
256QAM	165300	826.5	4.4684	4.818
256QAM	167300	836.5	4.4624	4.844
256QAM	169300	846.5	4.4602	4.809

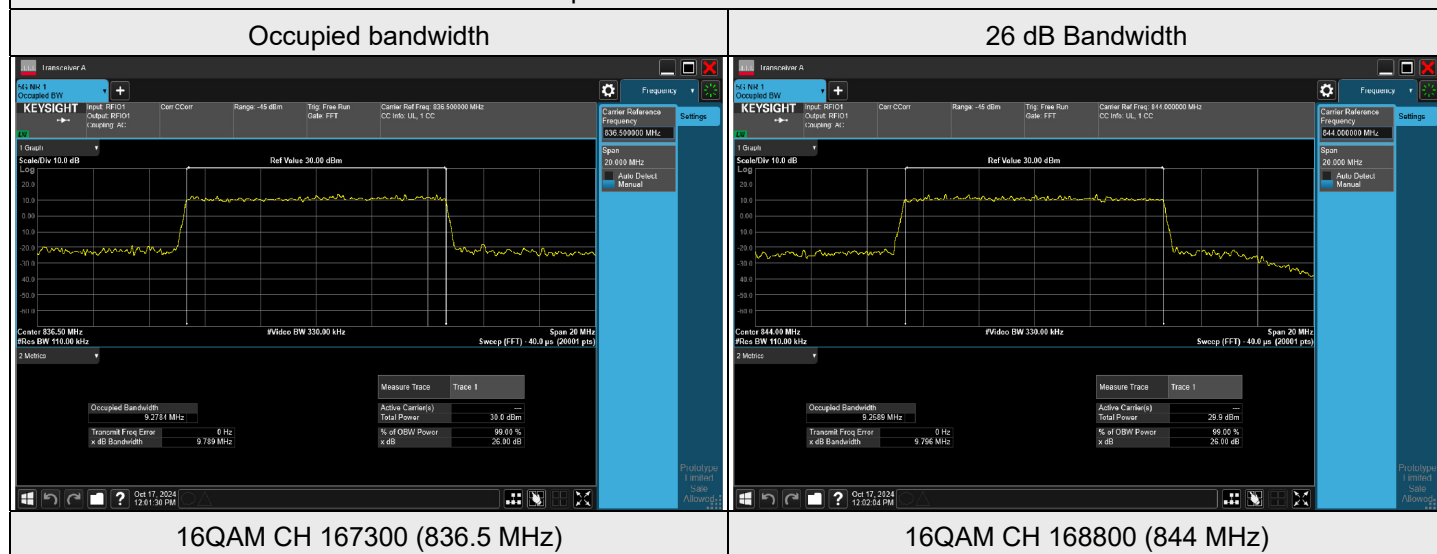
Spectrum Plot of Worst Value



NR n5 SCS 15 kHz - Ant 0, Channel Bandwidth: 10 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	165800	829	9.1901	9.376
BPSK	167300	836.5	9.1763	9.400
BPSK	168800	844	9.1922	9.409
QPSK	165800	829	9.2661	9.736
QPSK	167300	836.5	9.2707	9.770
QPSK	168800	844	9.2705	9.762
16QAM	165800	829	9.2529	9.740
16QAM	167300	836.5	9.2784	9.789
16QAM	168800	844	9.2589	9.796
64QAM	165800	829	9.2549	9.734
64QAM	167300	836.5	9.2582	9.750
64QAM	168800	844	9.2488	9.695
256QAM	165800	829	9.2660	9.778
256QAM	167300	836.5	9.2541	9.791
256QAM	168800	844	9.2590	9.741

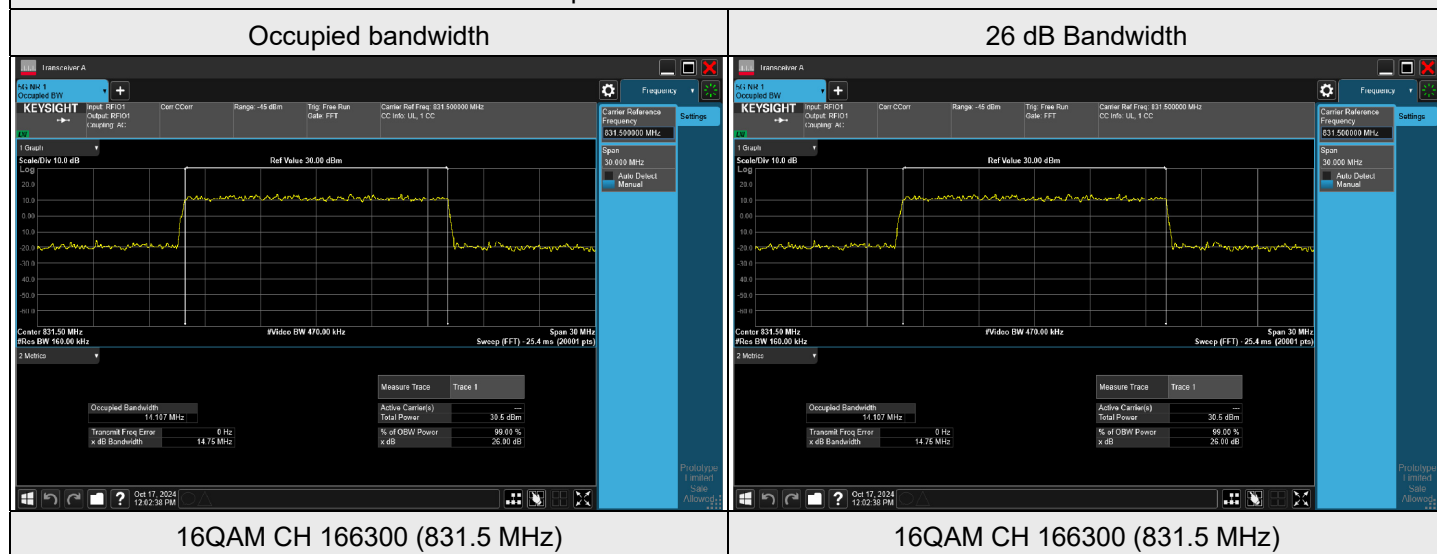
Spectrum Plot of Worst Value



NR n5 SCS 15 kHz - Ant 0, Channel Bandwidth: 15 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	166300	831.5	14.008	14.00
BPSK	167300	836.5	14.005	14.00
BPSK	168300	841.5	13.990	14.00
QPSK	166300	831.5	14.071	14.68
QPSK	167300	836.5	14.062	14.63
QPSK	168300	841.5	14.038	14.71
16QAM	166300	831.5	14.107	14.75
16QAM	167300	836.5	14.071	14.75
16QAM	168300	841.5	14.034	14.67
64QAM	166300	831.5	14.104	14.71
64QAM	167300	836.5	14.098	14.71
64QAM	168300	841.5	14.089	14.66
256QAM	166300	831.5	14.092	14.70
256QAM	167300	836.5	14.089	14.70
256QAM	168300	841.5	14.064	14.68

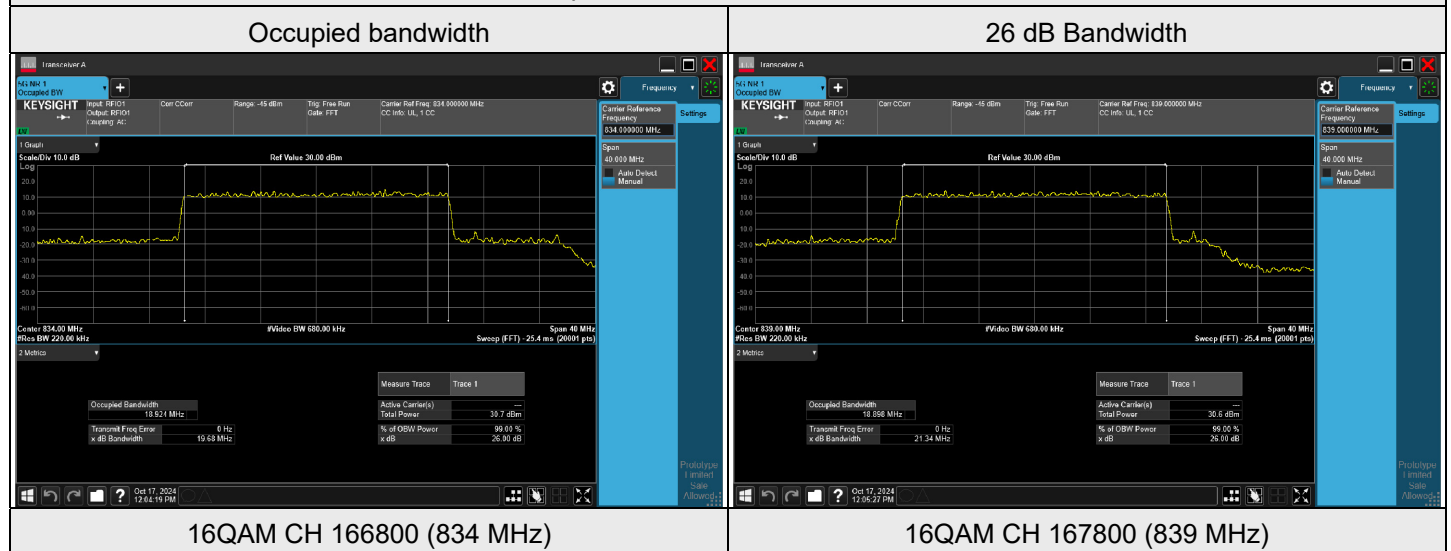
Spectrum Plot of Worst Value



NR n5 SCS 15 kHz - Ant 0, Channel Bandwidth: 20 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	166800	834	18.769	18.56
BPSK	167300	836.5	18.758	18.61
BPSK	167800	839	18.760	18.65
QPSK	166800	834	18.877	19.68
QPSK	167300	836.5	18.850	19.53
QPSK	167800	839	18.853	19.71
16QAM	166800	834	18.924	19.68
16QAM	167300	836.5	18.913	19.77
16QAM	167800	839	18.898	21.34
64QAM	166800	834	18.893	19.69
64QAM	167300	836.5	18.882	19.66
64QAM	167800	839	18.873	19.71
256QAM	166800	834	18.889	19.66
256QAM	167300	836.5	18.885	19.72
256QAM	167800	839	18.868	19.66

Spectrum Plot of Worst Value

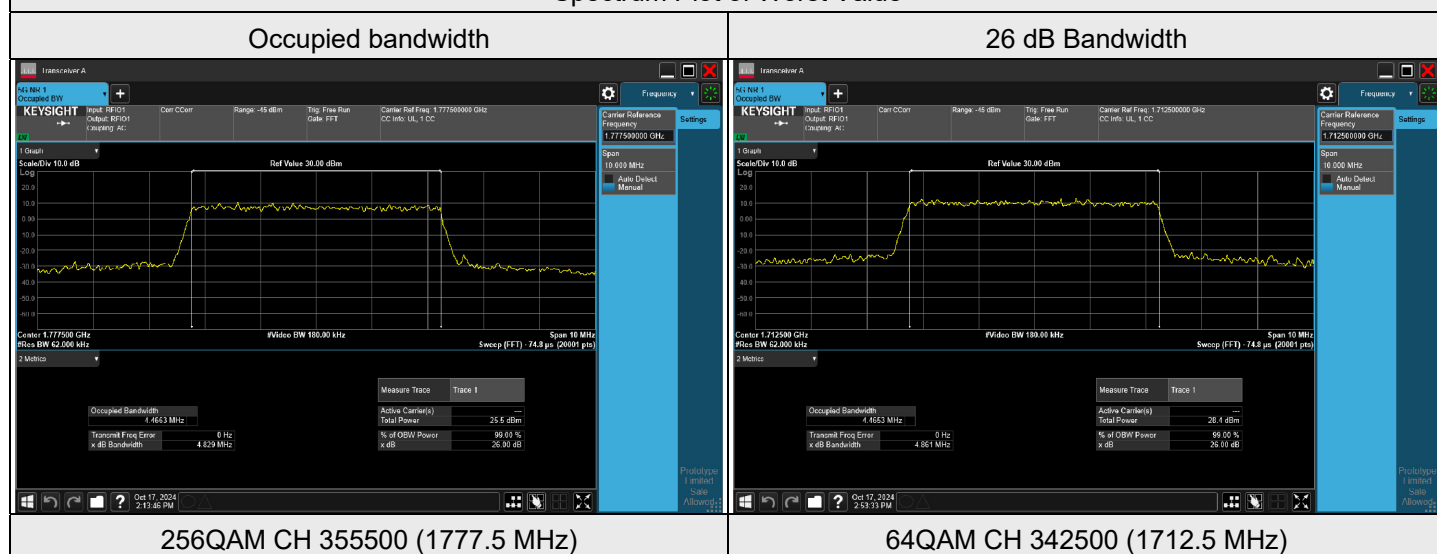


7.4.3 NR n66 SCS 15 kHz

NR n66 SCS 15 kHz - MIMO-Ant 1, Channel Bandwidth: 5 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	342500	1712.5	4.4463	4.768
BPSK	349000	1745	4.4493	4.763
BPSK	355500	1777.5	4.4510	4.772
QPSK	342500	1712.5	4.4632	4.823
QPSK	349000	1745	4.4643	4.810
QPSK	355500	1777.5	4.4652	4.798
16QAM	342500	1712.5	4.4601	4.791
16QAM	349000	1745	4.4624	4.800
16QAM	355500	1777.5	4.4615	4.783
64QAM	342500	1712.5	4.4653	4.861
64QAM	349000	1745	4.4631	4.855
64QAM	355500	1777.5	4.4652	4.852
256QAM	342500	1712.5	4.4662	4.835
256QAM	349000	1745	4.4651	4.836
256QAM	355500	1777.5	4.4663	4.829

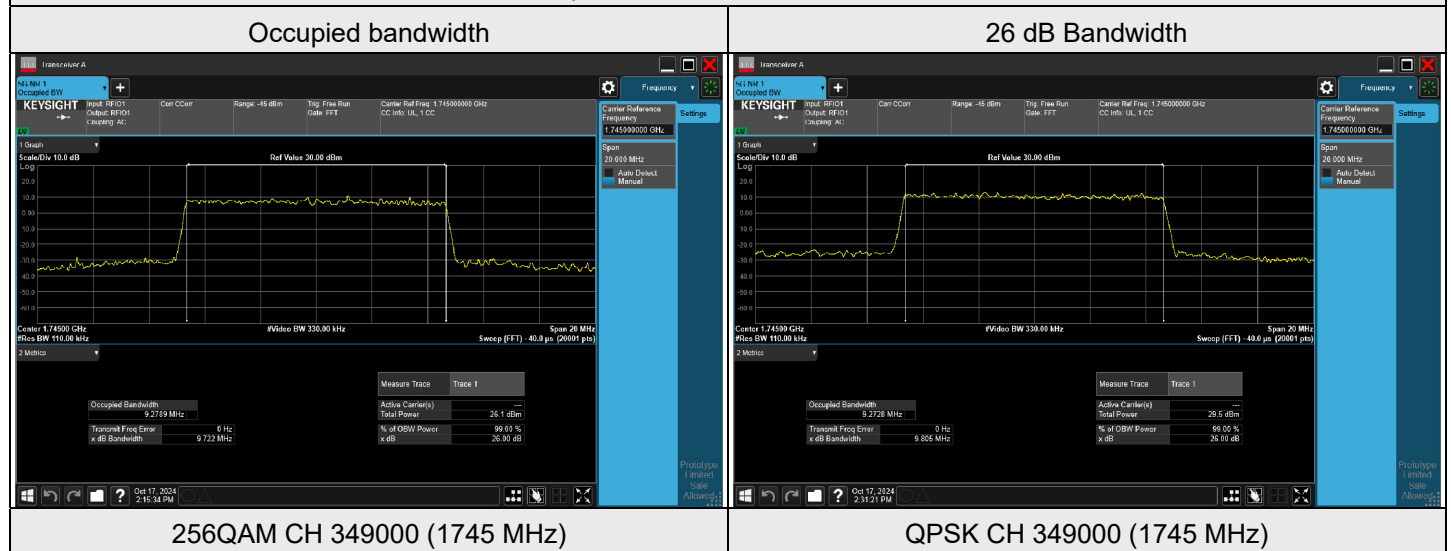
Spectrum Plot of Worst Value



NR n66 SCS 15 kHz - MIMO-Ant 1, Channel Bandwidth: 10 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	343000	1715	9.1880	9.383
BPSK	349000	1745	9.2108	9.399
BPSK	355000	1775	9.2104	9.389
QPSK	343000	1715	9.2723	9.769
QPSK	349000	1745	9.2728	9.805
QPSK	355000	1775	9.2764	9.757
16QAM	343000	1715	9.2610	9.731
16QAM	349000	1745	9.2602	9.797
16QAM	355000	1775	9.2604	9.704
64QAM	343000	1715	9.2626	9.735
64QAM	349000	1745	9.2565	9.727
64QAM	355000	1775	9.2667	9.777
256QAM	343000	1715	9.2589	9.745
256QAM	349000	1745	9.2789	9.722
256QAM	355000	1775	9.2610	9.761

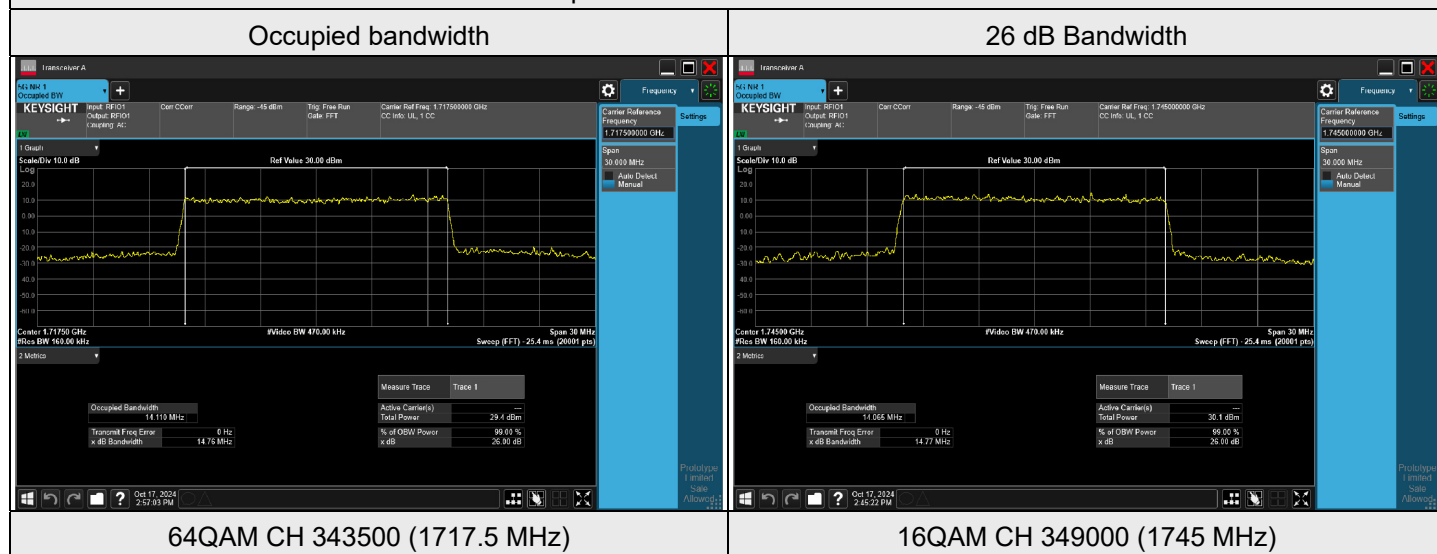
Spectrum Plot of Worst Value



NR n66 SCS 15 kHz - MIMO-Ant 1, Channel Bandwidth: 15 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	343500	1717.5	14.005	14.01
BPSK	349000	1745	14.040	13.98
BPSK	354500	1772.5	14.019	13.90
QPSK	343500	1717.5	14.068	14.66
QPSK	349000	1745	14.062	14.74
QPSK	354500	1772.5	14.053	14.71
16QAM	343500	1717.5	14.109	14.70
16QAM	349000	1745	14.065	14.77
16QAM	354500	1772.5	14.080	14.74
64QAM	343500	1717.5	14.110	14.76
64QAM	349000	1745	14.109	14.71
64QAM	354500	1772.5	14.094	14.73
256QAM	343500	1717.5	14.086	14.68
256QAM	349000	1745	14.083	14.70
256QAM	354500	1772.5	14.059	14.69

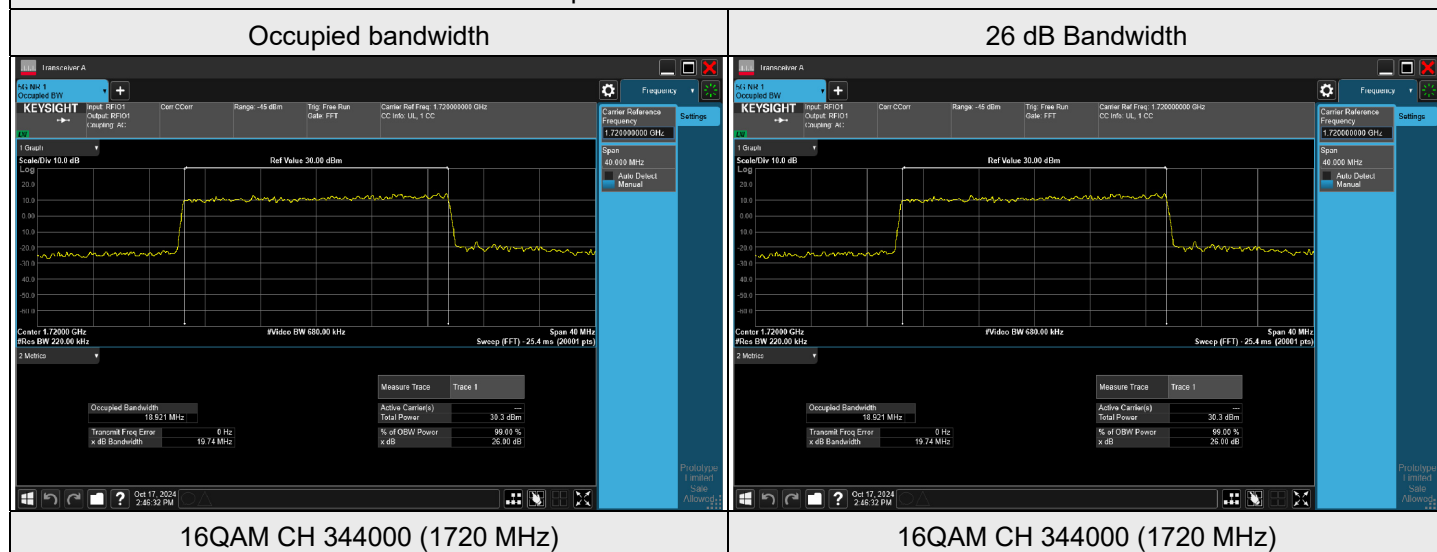
Spectrum Plot of Worst Value



NR n66 SCS 15 kHz - MIMO-Ant 1, Channel Bandwidth: 20 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	344000	1720	18.738	18.66
BPSK	349000	1745	18.816	18.62
BPSK	354000	1770	18.734	18.57
QPSK	344000	1720	18.873	19.66
QPSK	349000	1745	18.874	19.70
QPSK	354000	1770	18.812	19.56
16QAM	344000	1720	18.921	19.74
16QAM	349000	1745	18.917	19.73
16QAM	354000	1770	18.877	19.70
64QAM	344000	1720	18.898	19.73
64QAM	349000	1745	18.874	19.68
64QAM	354000	1770	18.830	19.72
256QAM	344000	1720	18.893	19.74
256QAM	349000	1745	18.888	19.72
256QAM	354000	1770	18.833	19.70

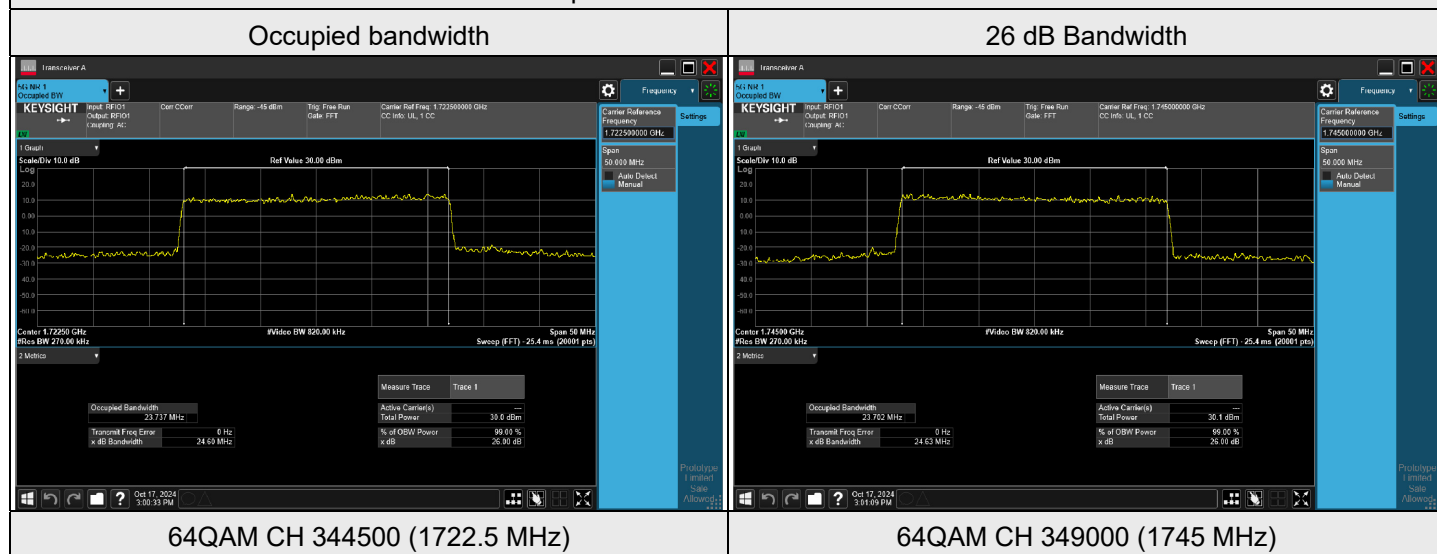
Spectrum Plot of Worst Value



NR n66 SCS 15 kHz - MIMO-Ant 1, Channel Bandwidth: 25 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	344500	1722.5	23.362	23.71
BPSK	349000	1745	23.497	23.65
BPSK	353500	1767.5	23.296	23.64
QPSK	344500	1722.5	23.681	24.62
QPSK	349000	1745	23.691	24.57
QPSK	353500	1767.5	23.611	24.54
16QAM	344500	1722.5	23.667	24.59
16QAM	349000	1745	23.656	24.58
16QAM	353500	1767.5	23.576	24.55
64QAM	344500	1722.5	23.737	24.60
64QAM	349000	1745	23.702	24.63
64QAM	353500	1767.5	23.641	24.54
256QAM	344500	1722.5	23.731	24.61
256QAM	349000	1745	23.691	24.58
256QAM	353500	1767.5	23.616	24.57

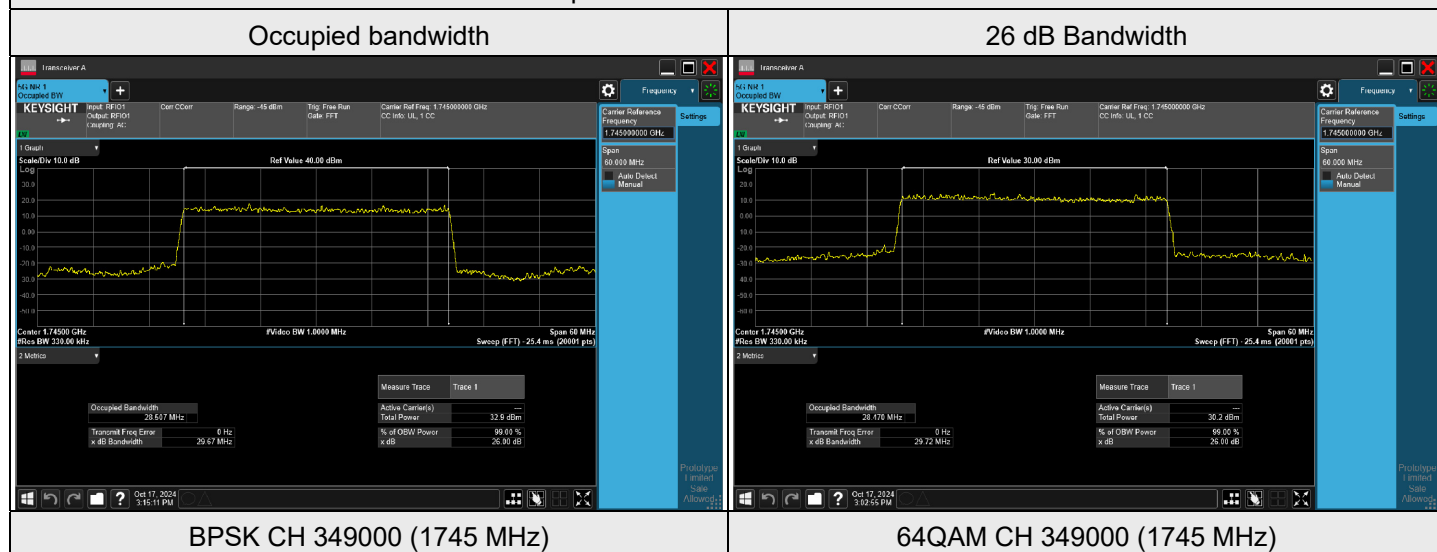
Spectrum Plot of Worst Value



NR n66 SCS 15 kHz - MIMO-Ant 1, Channel Bandwidth: 30 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	345000	1725	28.491	29.62
BPSK	349000	1745	28.507	29.67
BPSK	353000	1765	28.412	29.42
QPSK	345000	1725	28.478	29.56
QPSK	349000	1745	28.478	29.53
QPSK	353000	1765	28.374	29.51
16QAM	345000	1725	28.461	29.63
16QAM	349000	1745	28.473	29.69
16QAM	353000	1765	28.388	29.62
64QAM	345000	1725	28.465	29.57
64QAM	349000	1745	28.470	29.72
64QAM	353000	1765	28.388	29.60
256QAM	345000	1725	28.406	29.60
256QAM	349000	1745	28.429	29.60
256QAM	353000	1765	28.345	29.64

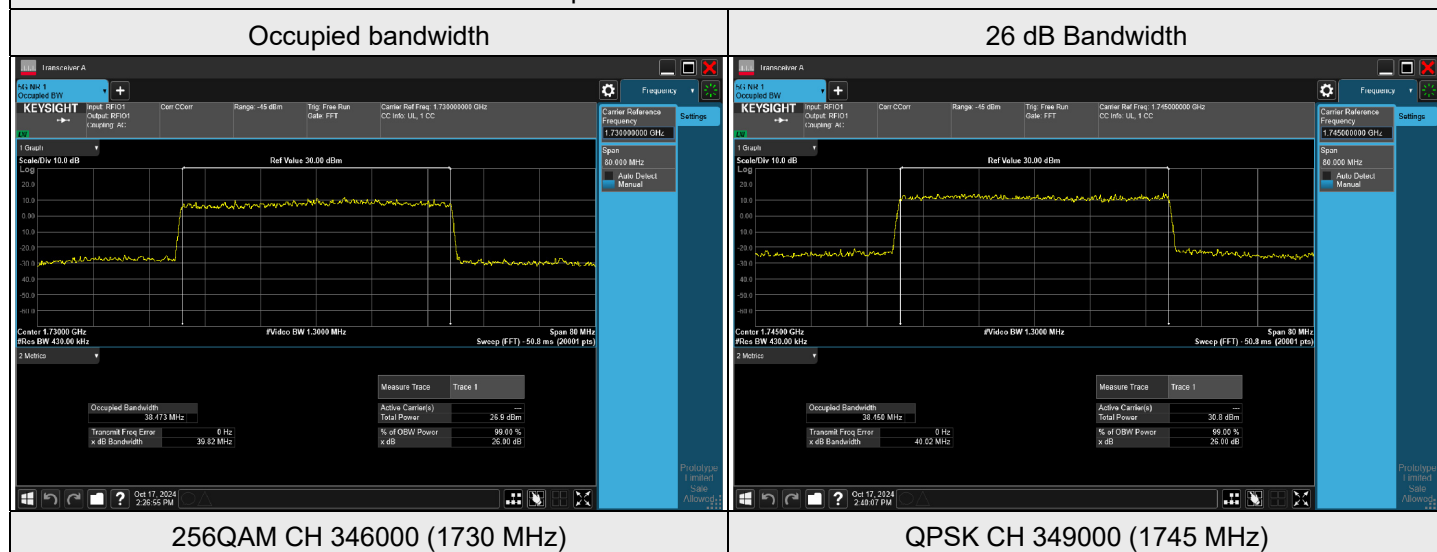
Spectrum Plot of Worst Value



NR n66 SCS 15 kHz - MIMO-Ant 1, Channel Bandwidth: 40 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	346000	1730	38.408	39.81
BPSK	349000	1745	38.409	39.81
BPSK	352000	1760	38.410	39.79
QPSK	346000	1730	38.345	39.81
QPSK	349000	1745	38.450	40.02
QPSK	352000	1760	38.441	39.94
16QAM	346000	1730	38.330	39.78
16QAM	349000	1745	38.442	39.83
16QAM	352000	1760	38.387	39.93
64QAM	346000	1730	38.364	39.75
64QAM	349000	1745	38.465	39.88
64QAM	352000	1760	38.427	39.79
256QAM	346000	1730	38.473	39.82
256QAM	349000	1745	38.411	39.86
256QAM	352000	1760	38.385	39.90

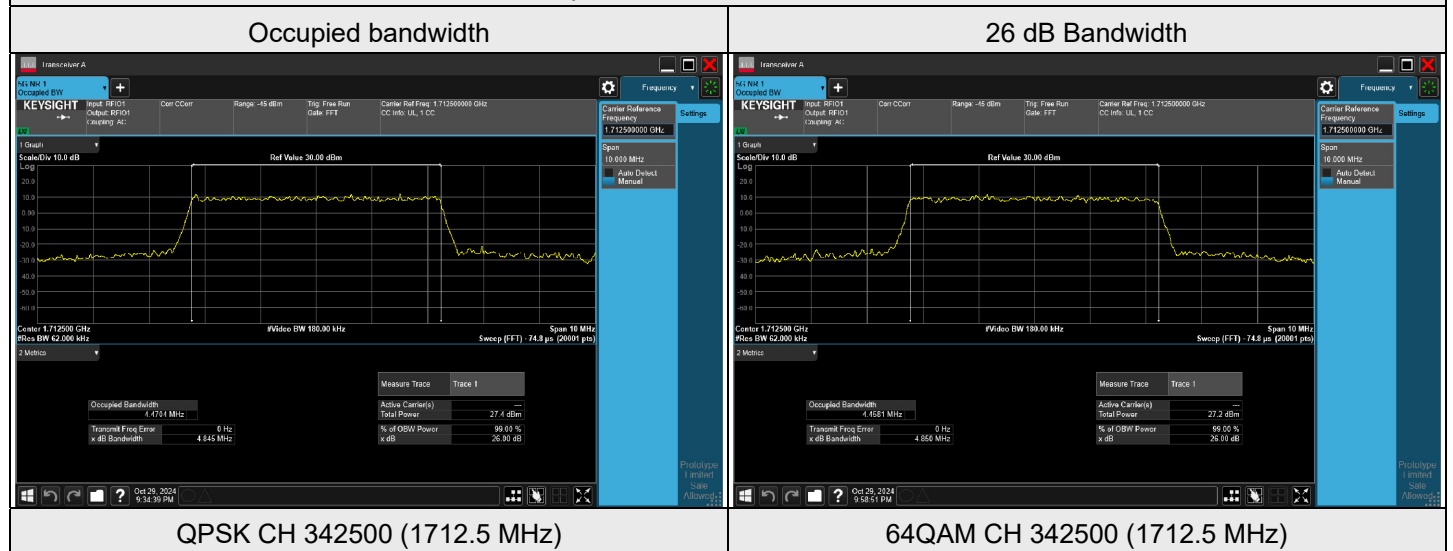
Spectrum Plot of Worst Value



NR n66 SCS 15 kHz - MIMO-Ant 4, Channel Bandwidth: 5 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	342500	1712.5	4.4594	4.835
BPSK	349000	1745	4.4611	4.823
BPSK	355500	1777.5	4.4651	4.840
QPSK	342500	1712.5	4.4704	4.845
QPSK	349000	1745	4.4563	4.824
QPSK	355500	1777.5	4.4604	4.828
16QAM	342500	1712.5	4.4564	4.810
16QAM	349000	1745	4.4491	4.767
16QAM	355500	1777.5	4.4584	4.787
64QAM	342500	1712.5	4.4581	4.850
64QAM	349000	1745	4.4612	4.818
64QAM	355500	1777.5	4.4633	4.850
256QAM	342500	1712.5	4.4590	4.796
256QAM	349000	1745	4.4584	4.748
256QAM	355500	1777.5	4.4612	4.790

Spectrum Plot of Worst Value



NR n66 SCS 15 kHz - MIMO-Ant 4, Channel Bandwidth: 10 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	343000	1715	9.1667	9.402
BPSK	349000	1745	9.1908	9.402
BPSK	355000	1775	9.2266	9.417
QPSK	343000	1715	9.2628	9.745
QPSK	349000	1745	9.2588	9.756
QPSK	355000	1775	9.2702	9.754
16QAM	343000	1715	9.2509	9.780
16QAM	349000	1745	9.2547	9.725
16QAM	355000	1775	9.2527	9.778
64QAM	343000	1715	9.2603	9.792
64QAM	349000	1745	9.2526	9.685
64QAM	355000	1775	9.2706	9.772
256QAM	343000	1715	9.2487	9.732
256QAM	349000	1745	9.2508	9.711
256QAM	355000	1775	9.2549	9.710

Spectrum Plot of Worst Value

