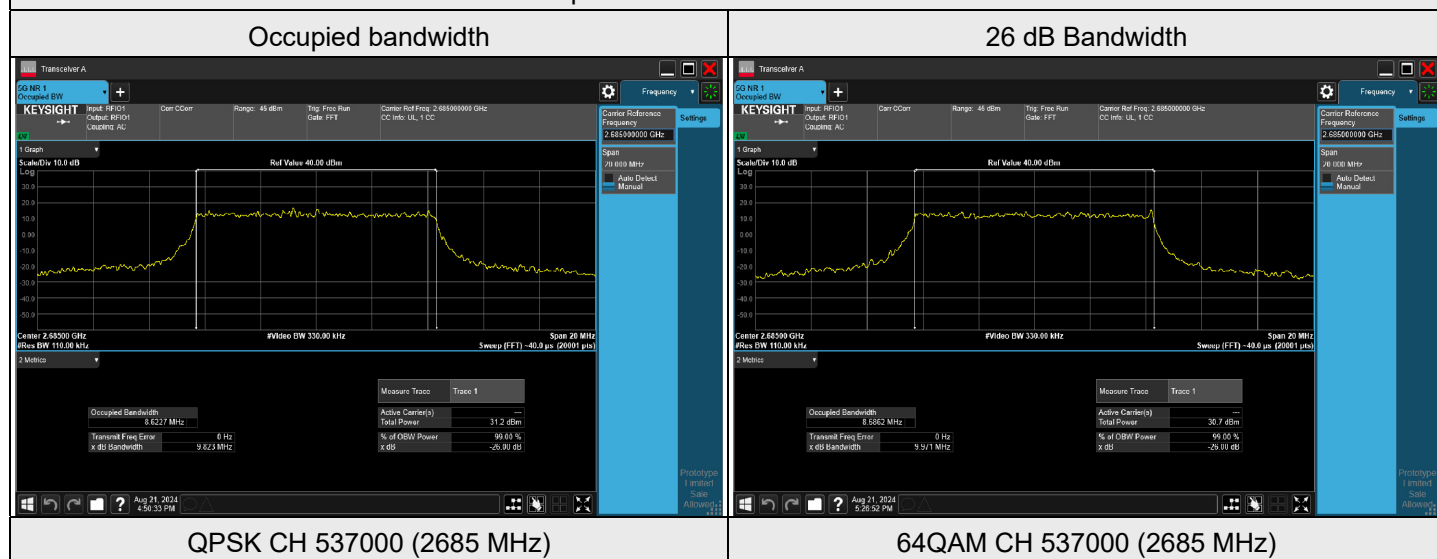


7.4.6 NR n41 SCS 30 kHz

NR n41 SCS 30 kHz - MIMO-Ant 0, Channel Bandwidth: 10 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	500202	2501.01	8.5367	9.469
BPSK	518598	2592.99	8.5784	9.588
BPSK	537000	2685	8.5861	9.509
QPSK	500202	2501.01	8.5864	9.586
QPSK	518598	2592.99	8.5728	9.540
QPSK	537000	2685	8.6227	9.823
16QAM	500202	2501.01	8.5783	9.634
16QAM	518598	2592.99	8.5749	9.883
16QAM	537000	2685	8.5940	9.652
64QAM	500202	2501.01	8.5727	9.816
64QAM	518598	2592.99	8.5908	9.618
64QAM	537000	2685	8.5862	9.971
256QAM	500202	2501.01	8.5628	9.541
256QAM	518598	2592.99	8.6047	9.713
256QAM	537000	2685	8.6185	9.848

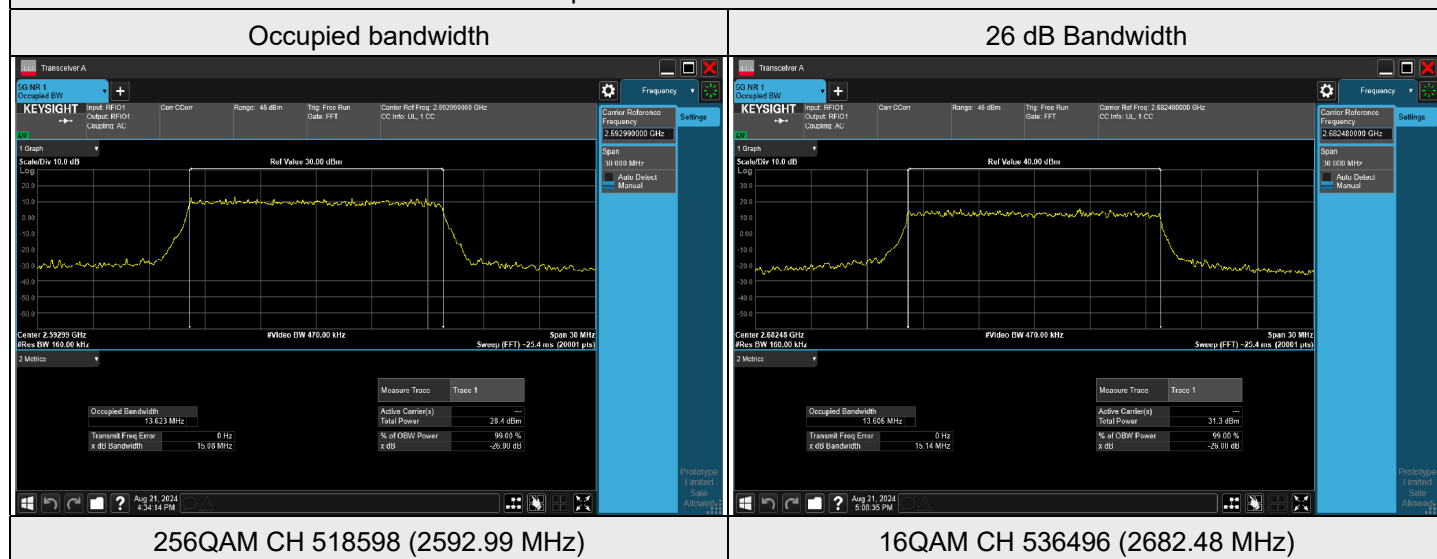
Spectrum Plot of Worst Value



NR n41 SCS 30 kHz - MIMO-Ant 0, Channel Bandwidth: 15 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	500700	2503.5	13.500	14.02
BPSK	518598	2592.99	13.534	14.04
BPSK	536496	2682.48	13.539	14.08
QPSK	500700	2503.5	13.576	14.98
QPSK	518598	2592.99	13.599	14.97
QPSK	536496	2682.48	13.564	14.94
16QAM	500700	2503.5	13.563	14.60
16QAM	518598	2592.99	13.591	14.59
16QAM	536496	2682.48	13.605	15.14
64QAM	500700	2503.5	13.560	14.90
64QAM	518598	2592.99	13.582	14.69
64QAM	536496	2682.48	13.594	14.75
256QAM	500700	2503.5	13.555	14.83
256QAM	518598	2592.99	13.623	15.08
256QAM	536496	2682.48	13.581	14.62

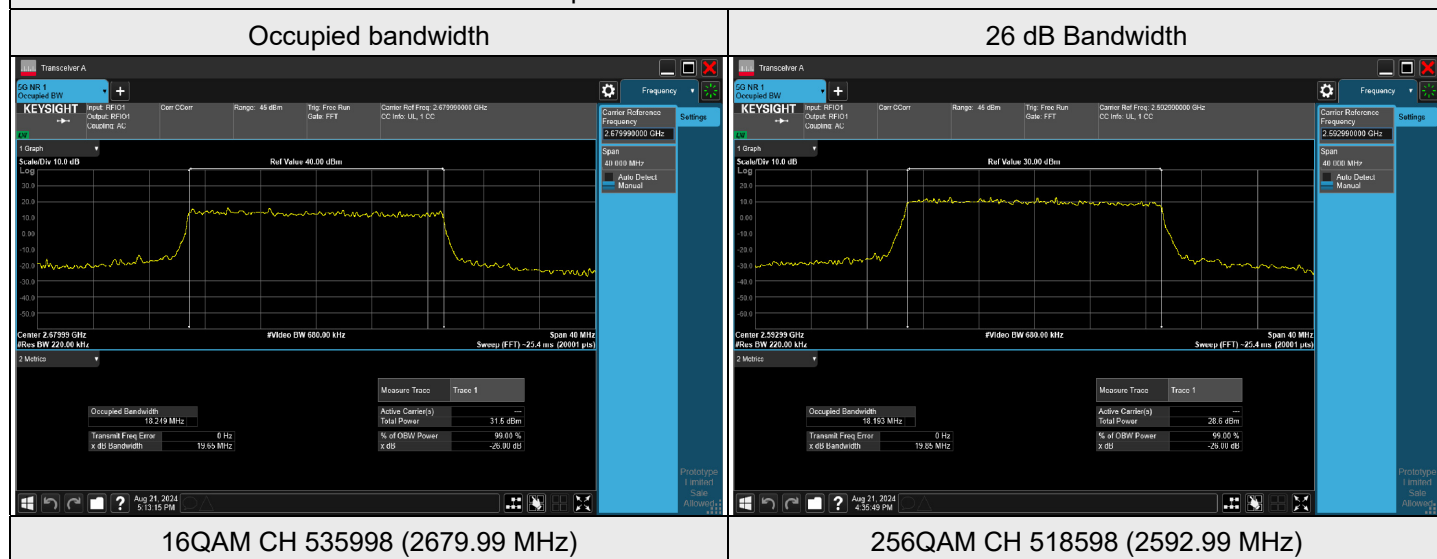
Spectrum Plot of Worst Value



NR n41 SCS 30 kHz - MIMO-Ant 0, Channel Bandwidth: 20 MHz

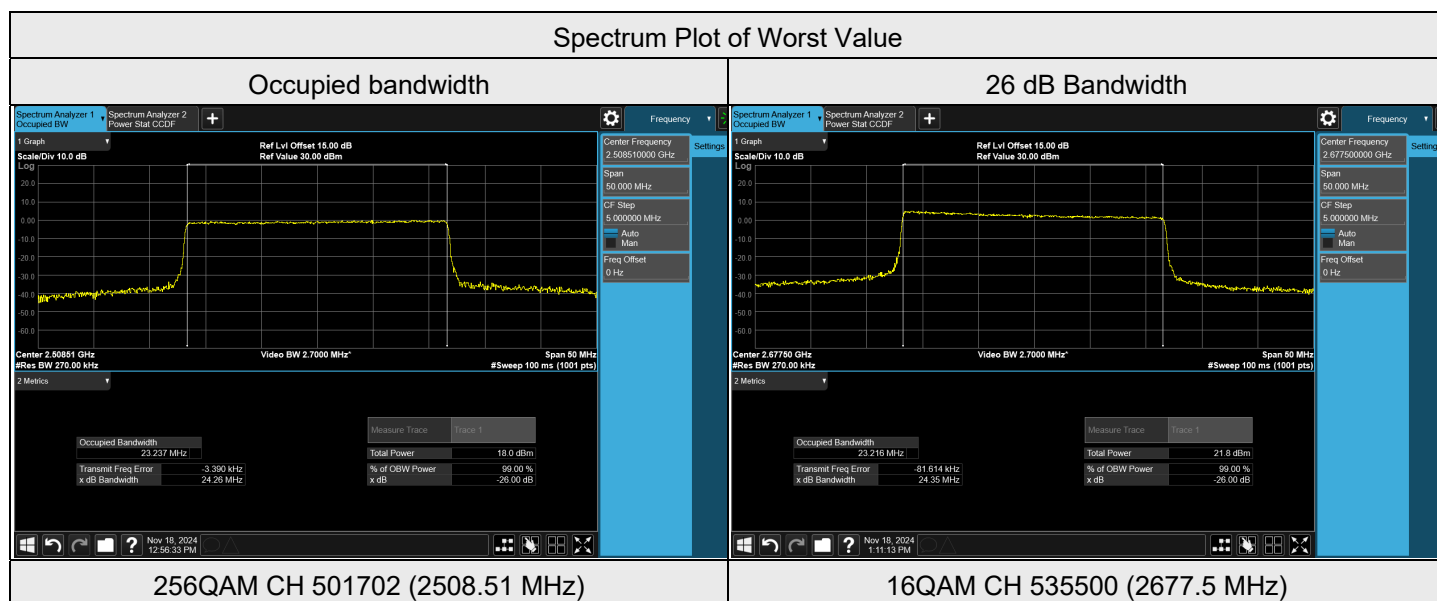
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	501204	2506.02	17.921	19.09
BPSK	518598	2592.99	18.010	19.08
BPSK	535998	2679.99	18.052	18.92
QPSK	501204	2506.02	18.178	19.78
QPSK	518598	2592.99	18.210	19.74
QPSK	535998	2679.99	18.233	19.67
16QAM	501204	2506.02	18.205	19.65
16QAM	518598	2592.99	18.225	19.67
16QAM	535998	2679.99	18.249	19.65
64QAM	501204	2506.02	18.189	19.69
64QAM	518598	2592.99	18.216	19.63
64QAM	535998	2679.99	18.214	19.50
256QAM	501204	2506.02	18.164	19.56
256QAM	518598	2592.99	18.193	19.85
256QAM	535998	2679.99	18.228	19.49

Spectrum Plot of Worst Value



NR n41 SCS 30 kHz - MIMO-Ant 0, Channel Bandwidth: 25 MHz

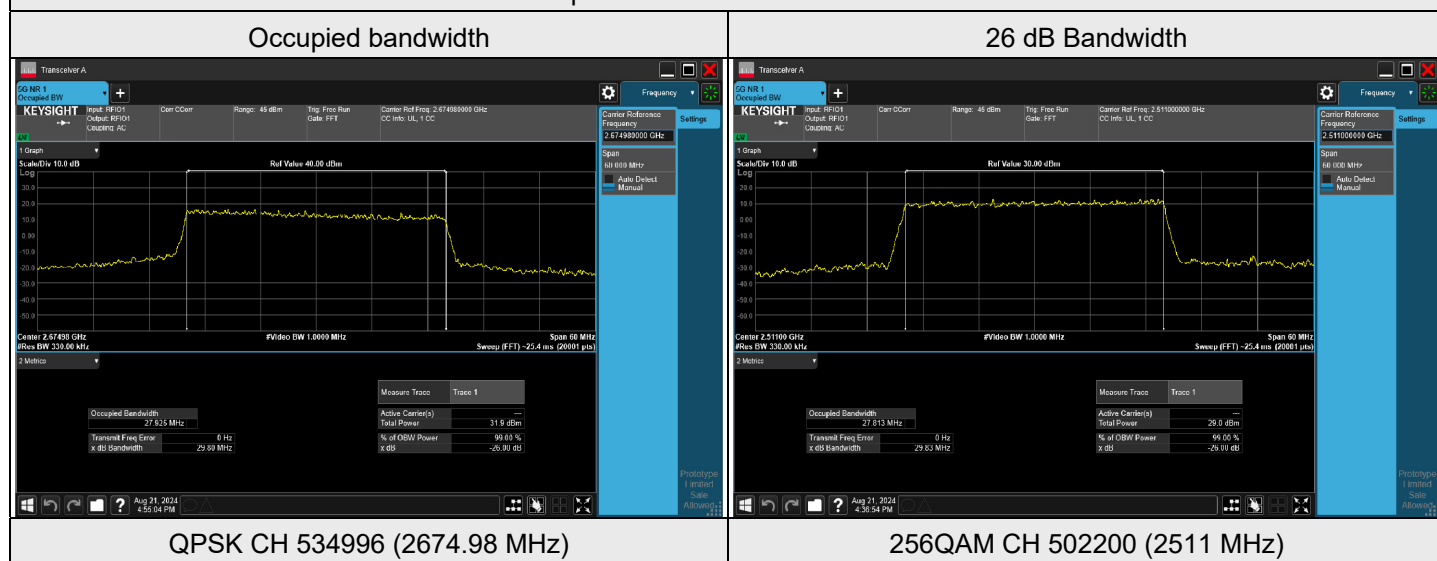
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	501702	2508.51	22.84	23.86
BPSK	518598	2592.99	22.855	23.89
BPSK	535500	2677.5	22.861	23.75
QPSK	501702	2508.51	23.206	24.31
QPSK	518598	2592.99	23.219	24.23
QPSK	535500	2677.5	23.224	24.25
16QAM	501702	2508.51	23.188	24.26
16QAM	518598	2592.99	23.206	24.16
16QAM	535500	2677.5	23.216	24.35
64QAM	501702	2508.51	23.194	24.22
64QAM	518598	2592.99	23.185	24.2
64QAM	535500	2677.5	23.212	24.23
256QAM	501702	2508.51	23.237	24.26
256QAM	518598	2592.99	23.233	24.24
256QAM	535500	2677.5	23.223	24.2



NR n41 SCS 30 kHz - MIMO-Ant 0, Channel Bandwidth: 30 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	502200	2511	27.486	28.60
BPSK	518598	2592.99	27.705	28.95
BPSK	534996	2674.98	27.794	28.69
QPSK	502200	2511	27.819	29.70
QPSK	518598	2592.99	27.878	29.81
QPSK	534996	2674.98	27.925	29.80
16QAM	502200	2511	27.777	29.33
16QAM	518598	2592.99	27.817	29.32
16QAM	534996	2674.98	27.855	29.31
64QAM	502200	2511	27.824	29.72
64QAM	518598	2592.99	27.819	29.70
64QAM	534996	2674.98	27.859	29.35
256QAM	502200	2511	27.813	29.83
256QAM	518598	2592.99	27.853	29.59
256QAM	534996	2674.98	27.913	29.57

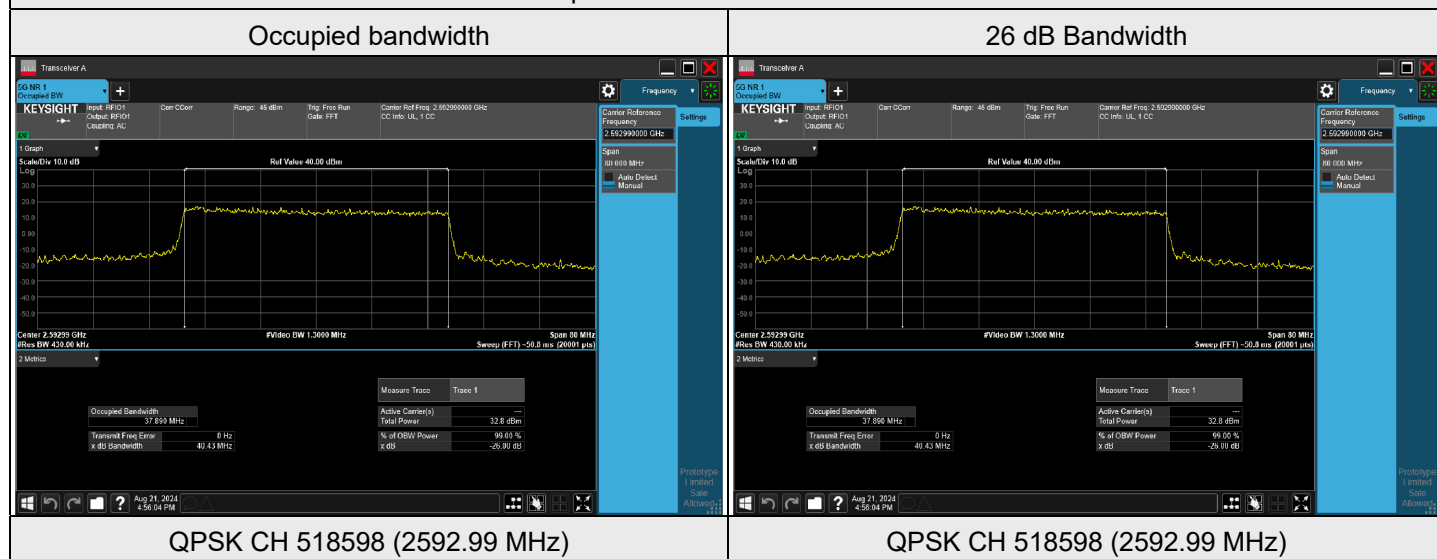
Spectrum Plot of Worst Value



NR n41 SCS 30 kHz - MIMO-Ant 0, Channel Bandwidth: 40 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	503202	2516.01	37.041	37.58
BPSK	518598	2592.99	37.650	37.84
BPSK	534000	2670	37.649	37.41
QPSK	503202	2516.01	37.840	39.76
QPSK	518598	2592.99	37.890	40.43
QPSK	534000	2670	37.844	39.77
16QAM	503202	2516.01	37.723	39.49
16QAM	518598	2592.99	37.811	39.62
16QAM	534000	2670	37.761	39.74
64QAM	503202	2516.01	37.794	39.74
64QAM	518598	2592.99	37.809	39.71
64QAM	534000	2670	37.785	39.75
256QAM	503202	2516.01	37.673	39.83
256QAM	518598	2592.99	37.753	39.99
256QAM	534000	2670	37.731	39.65

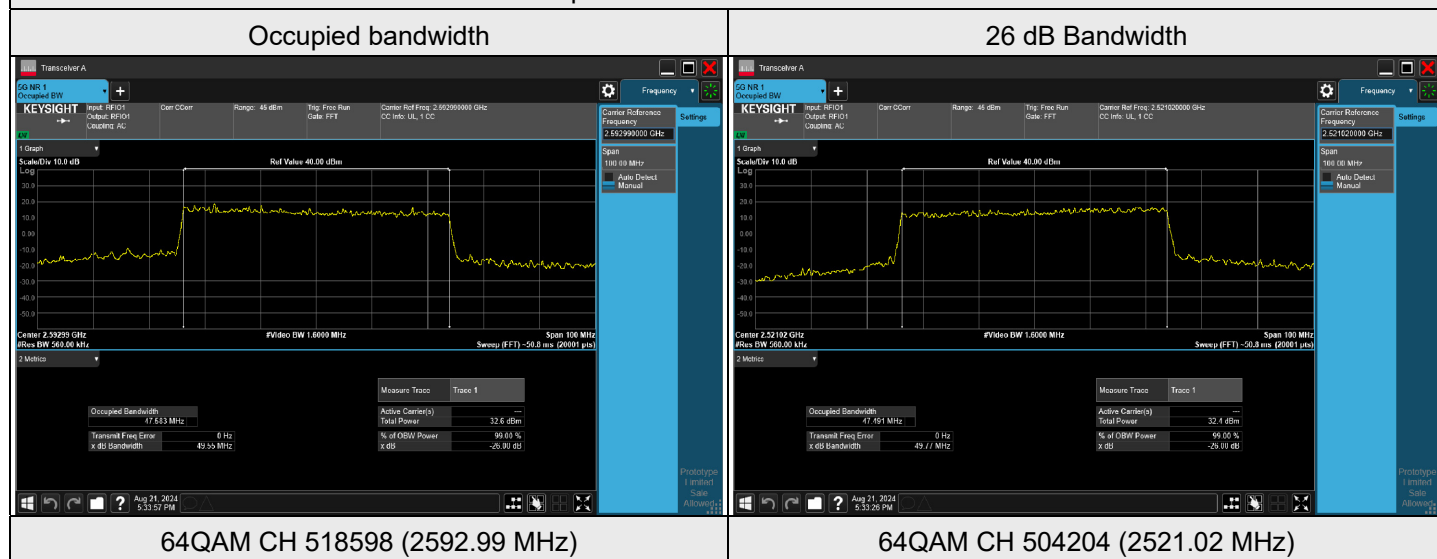
Spectrum Plot of Worst Value



NR n41 SCS 30 kHz - MIMO-Ant 0, Channel Bandwidth: 50 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	504204	2521.02	46.533	47.77
BPSK	518598	2592.99	47.294	48.01
BPSK	532998	2664.99	47.114	47.97
QPSK	504204	2521.02	47.383	49.55
QPSK	518598	2592.99	47.563	49.68
QPSK	532998	2664.99	47.360	49.05
16QAM	504204	2521.02	47.432	49.75
16QAM	518598	2592.99	47.523	49.65
16QAM	532998	2664.99	47.291	49.32
64QAM	504204	2521.02	47.491	49.77
64QAM	518598	2592.99	47.583	49.55
64QAM	532998	2664.99	47.382	49.63
256QAM	504204	2521.02	47.443	49.73
256QAM	518598	2592.99	47.485	49.76
256QAM	532998	2664.99	47.293	49.47

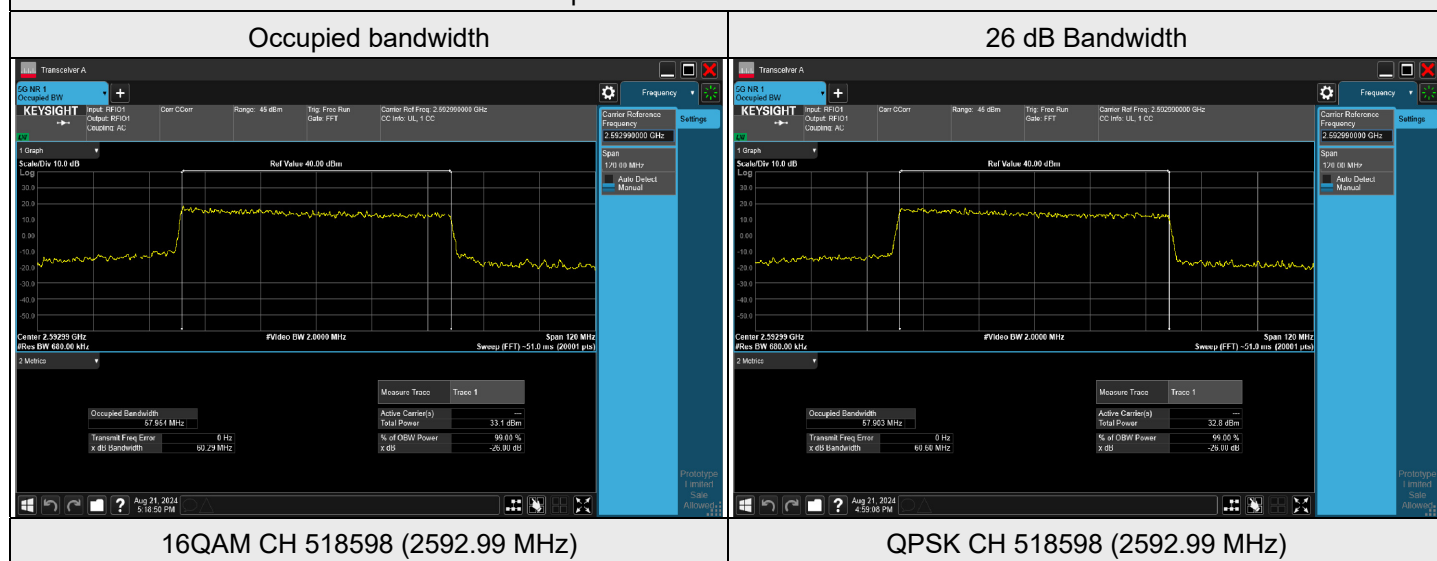
Spectrum Plot of Worst Value



NR n41 SCS 30 kHz - MIMO-Ant 0, Channel Bandwidth: 60 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	505200	2526	57.603	60.16
BPSK	518598	2592.99	57.794	60.38
BPSK	531996	2659.98	57.435	60.51
QPSK	505200	2526	57.556	60.41
QPSK	518598	2592.99	57.903	60.60
QPSK	531996	2659.98	57.483	60.30
16QAM	505200	2526	57.628	60.21
16QAM	518598	2592.99	57.954	60.29
16QAM	531996	2659.98	57.552	60.19
64QAM	505200	2526	57.648	59.90
64QAM	518598	2592.99	57.846	60.32
64QAM	531996	2659.98	57.541	60.07
256QAM	505200	2526	57.555	60.02
256QAM	518598	2592.99	57.804	60.31
256QAM	531996	2659.98	57.423	59.95

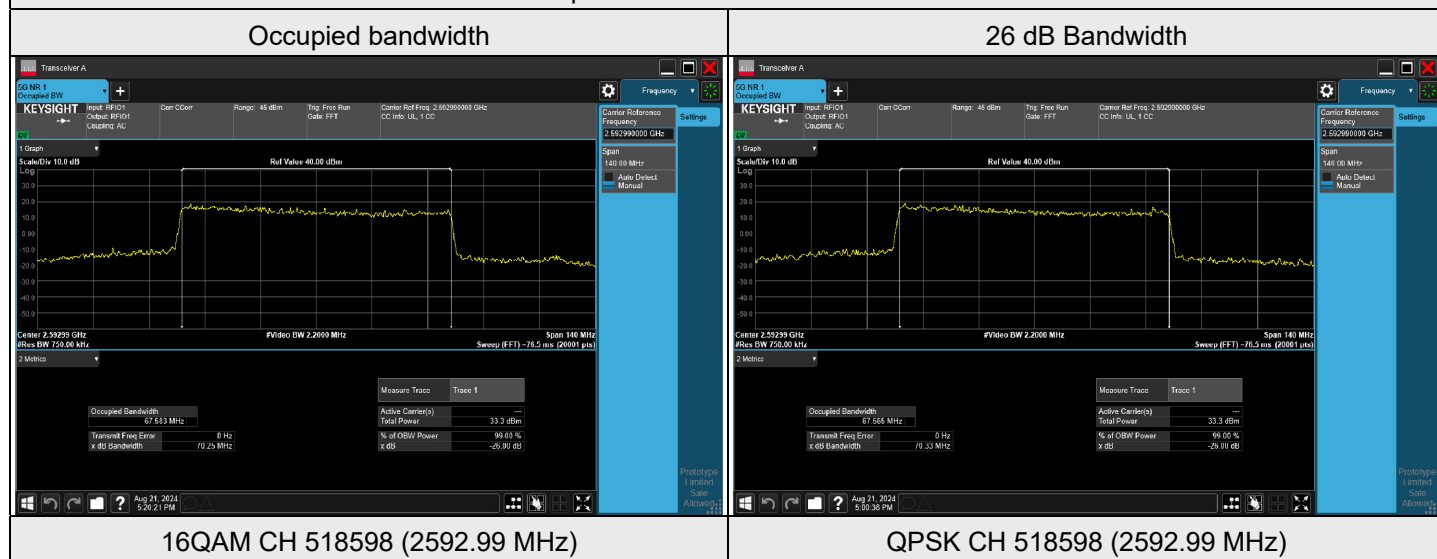
Spectrum Plot of Worst Value



NR n41 SCS 30 kHz - MIMO-Ant 0, Channel Bandwidth: 70 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	506202	2531.01	65.917	66.79
BPSK	518598	2592.99	67.400	66.98
BPSK	531000	2655	66.700	66.64
QPSK	506202	2531.01	66.964	69.80
QPSK	518598	2592.99	67.565	70.33
QPSK	531000	2655	66.810	69.83
16QAM	506202	2531.01	67.064	69.73
16QAM	518598	2592.99	67.583	70.25
16QAM	531000	2655	67.025	70.23
64QAM	506202	2531.01	66.969	70.23
64QAM	518598	2592.99	67.571	70.24
64QAM	531000	2655	66.810	69.57
256QAM	506202	2531.01	67.008	69.72
256QAM	518598	2592.99	67.509	69.91
256QAM	531000	2655	66.879	70.09

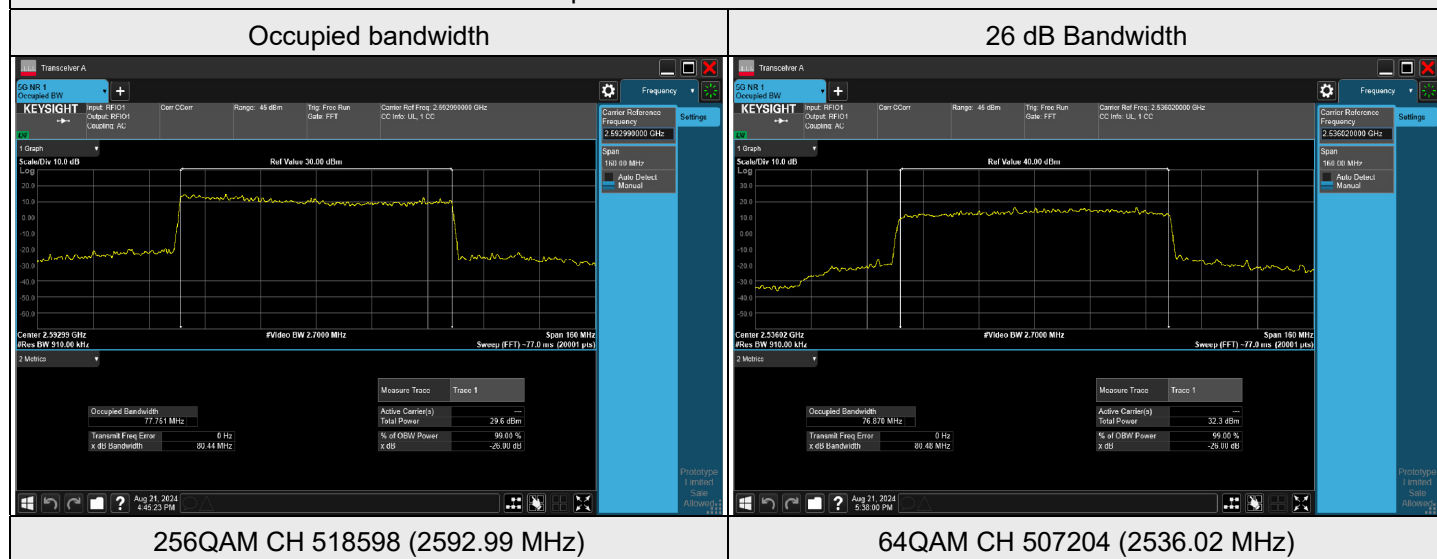
Spectrum Plot of Worst Value



NR n41 SCS 30 kHz - MIMO-Ant 0, Channel Bandwidth: 80 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	507204	2536.02	76.551	79.94
BPSK	518598	2592.99	77.446	80.36
BPSK	529998	2649.99	76.545	80.13
QPSK	507204	2536.02	76.711	79.96
QPSK	518598	2592.99	77.635	80.22
QPSK	529998	2649.99	76.754	79.92
16QAM	507204	2536.02	77.044	80.15
16QAM	518598	2592.99	77.687	80.23
16QAM	529998	2649.99	76.950	79.86
64QAM	507204	2536.02	76.870	80.48
64QAM	518598	2592.99	77.573	80.43
64QAM	529998	2649.99	76.661	80.44
256QAM	507204	2536.02	77.189	80.12
256QAM	518598	2592.99	77.751	80.44
256QAM	529998	2649.99	77.092	80.00

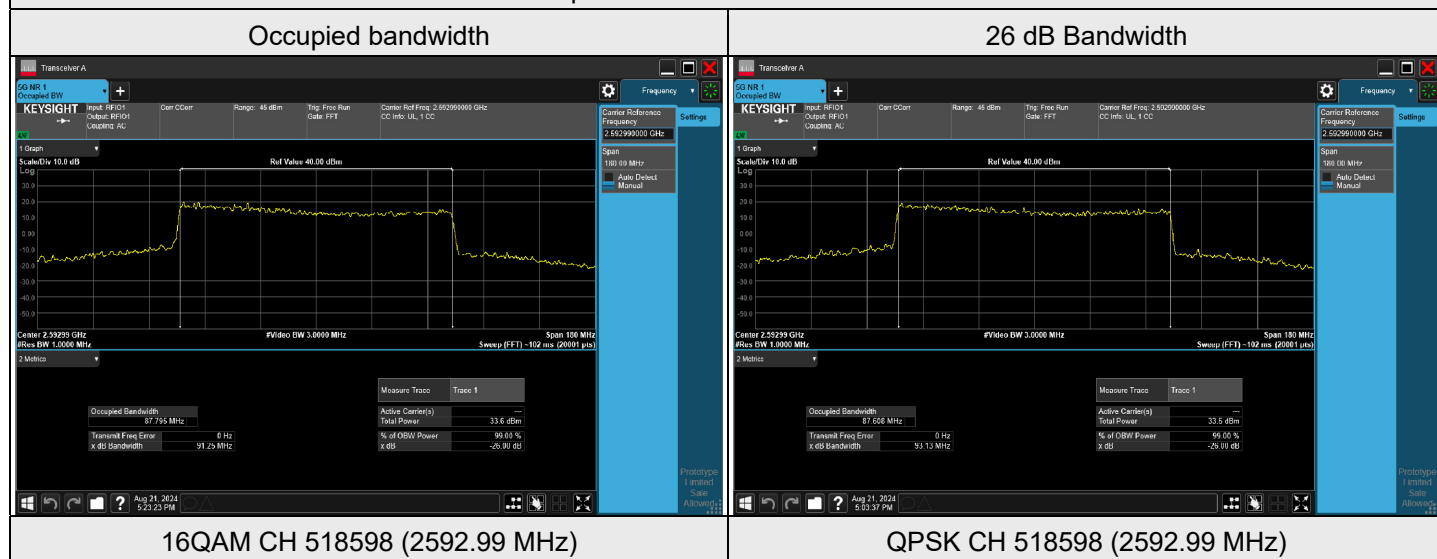
Spectrum Plot of Worst Value



NR n41 SCS 30 kHz - MIMO-Ant 0, Channel Bandwidth: 90 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	508200	2541	86.241	89.77
BPSK	518598	2592.99	87.378	90.42
BPSK	528996	2644.98	86.444	90.21
QPSK	508200	2541	86.569	90.06
QPSK	518598	2592.99	87.608	93.13
QPSK	528996	2644.98	86.948	90.17
16QAM	508200	2541	86.799	90.21
16QAM	518598	2592.99	87.795	91.25
16QAM	528996	2644.98	86.926	90.37
64QAM	508200	2541	86.618	90.31
64QAM	518598	2592.99	87.611	90.48
64QAM	528996	2644.98	86.693	90.37
256QAM	508200	2541	86.821	90.16
256QAM	518598	2592.99	87.488	90.63
256QAM	528996	2644.98	86.929	90.32

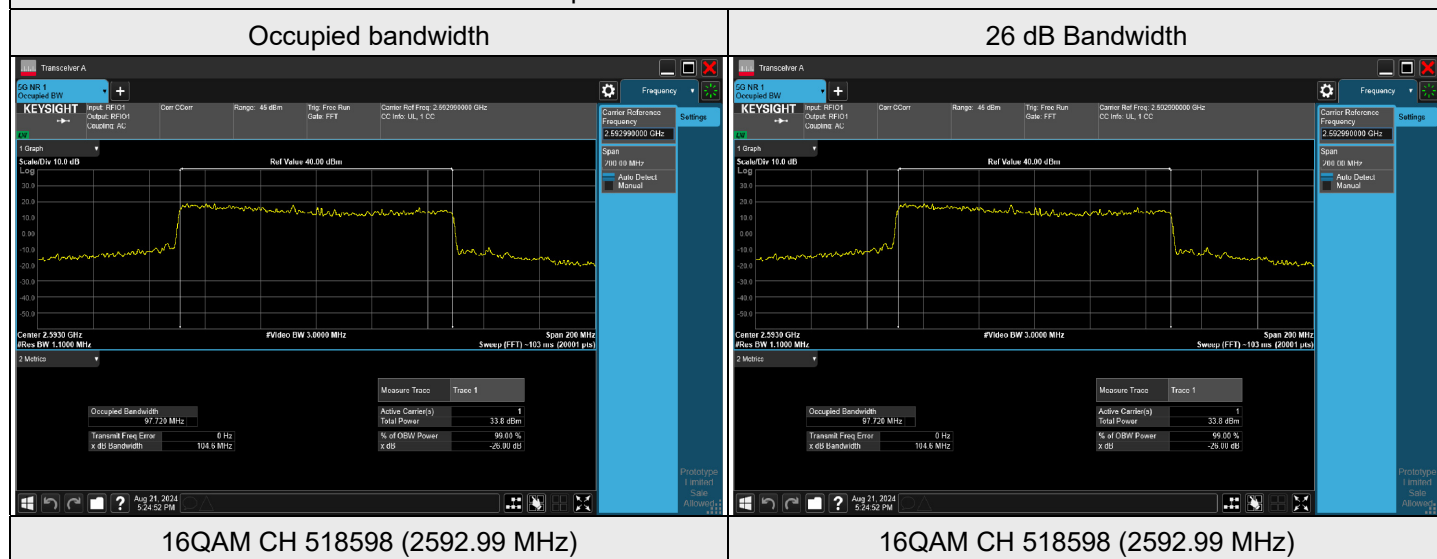
Spectrum Plot of Worst Value



NR n41 SCS 30 kHz - MIMO-Ant 0, Channel Bandwidth: 100 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	509202	2546.01	95.368	99.33
BPSK	518598	2592.99	97.128	99.56
BPSK	528000	2640	96.210	99.59
QPSK	509202	2546.01	96.303	100.4
QPSK	518598	2592.99	97.527	101.3
QPSK	528000	2640	96.980	100.5
16QAM	509202	2546.01	96.388	100.1
16QAM	518598	2592.99	97.720	104.6
16QAM	528000	2640	96.810	100.8
64QAM	509202	2546.01	96.607	100.6
64QAM	518598	2592.99	97.584	101.1
64QAM	528000	2640	96.824	100.6
256QAM	509202	2546.01	96.382	100.6
256QAM	518598	2592.99	97.485	101.0
256QAM	528000	2640	96.827	100.8

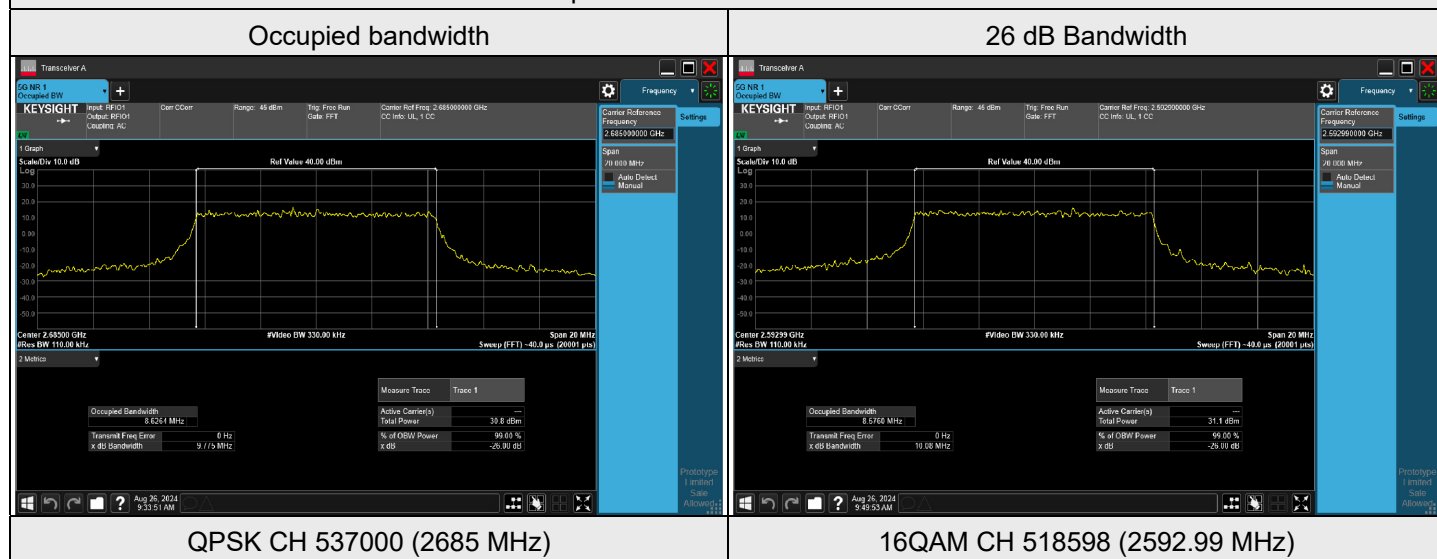
Spectrum Plot of Worst Value



NR n41 SCS 30 kHz - MIMO-Ant 3, Channel Bandwidth: 10 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	500202	2501.01	8.5382	9.422
BPSK	518598	2592.99	8.5804	9.564
BPSK	537000	2685	8.5762	9.538
QPSK	500202	2501.01	8.5882	9.544
QPSK	518598	2592.99	8.5728	9.549
QPSK	537000	2685	8.6264	9.775
16QAM	500202	2501.01	8.5788	9.591
16QAM	518598	2592.99	8.5760	10.08
16QAM	537000	2685	8.5949	10.04
64QAM	500202	2501.01	8.5726	9.817
64QAM	518598	2592.99	8.5906	9.746
64QAM	537000	2685	8.5842	10.02
256QAM	500202	2501.01	8.5465	9.257
256QAM	518598	2592.99	8.5581	9.639
256QAM	537000	2685	8.5902	9.715

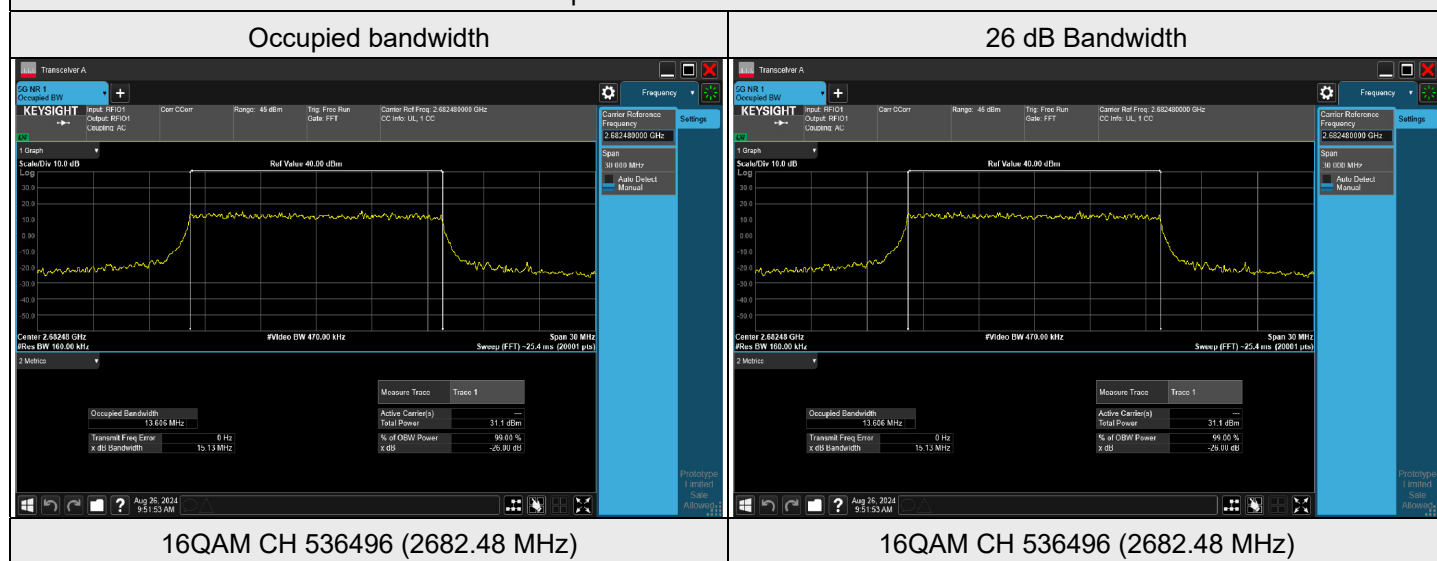
Spectrum Plot of Worst Value



NR n41 SCS 30 kHz - MIMO-Ant 3, Channel Bandwidth: 15 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	500700	2503.5	13.504	14.06
BPSK	518598	2592.99	13.528	13.85
BPSK	536496	2682.48	13.540	14.11
QPSK	500700	2503.5	13.578	14.89
QPSK	518598	2592.99	13.603	14.98
QPSK	536496	2682.48	13.567	14.79
16QAM	500700	2503.5	13.564	14.61
16QAM	518598	2592.99	13.593	14.59
16QAM	536496	2682.48	13.606	15.13
64QAM	500700	2503.5	13.561	14.87
64QAM	518598	2592.99	13.584	14.66
64QAM	536496	2682.48	13.594	14.70
256QAM	500700	2503.5	13.563	14.84
256QAM	518598	2592.99	13.558	14.95
256QAM	536496	2682.48	13.573	14.70

Spectrum Plot of Worst Value



NR n41 SCS 30 kHz - MIMO-Ant 3, Channel Bandwidth: 20 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	501204	2506.02	17.921	19.02
BPSK	518598	2592.99	18.009	18.97
BPSK	535998	2679.99	18.065	19.18
QPSK	501204	2506.02	18.162	19.68
QPSK	518598	2592.99	18.209	19.69
QPSK	535998	2679.99	18.230	19.61
16QAM	501204	2506.02	18.204	19.61
16QAM	518598	2592.99	18.225	19.63
16QAM	535998	2679.99	18.249	19.63
64QAM	501204	2506.02	18.193	19.80
64QAM	518598	2592.99	18.213	19.56
64QAM	535998	2679.99	18.225	19.51
256QAM	501204	2506.02	18.160	19.65
256QAM	518598	2592.99	18.176	19.49
256QAM	535998	2679.99	18.218	19.58

Spectrum Plot of Worst Value

