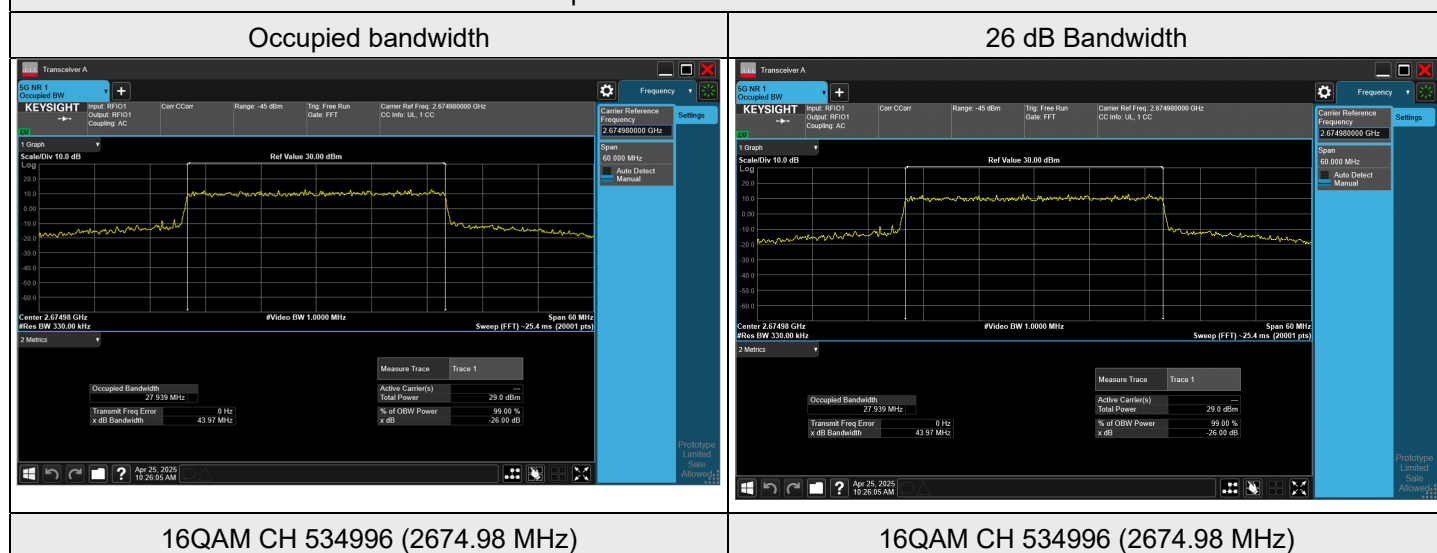


NR n41 SCS 30 kHz, MIMO-Ant. 3, Channel Bandwidth: 30 MHz

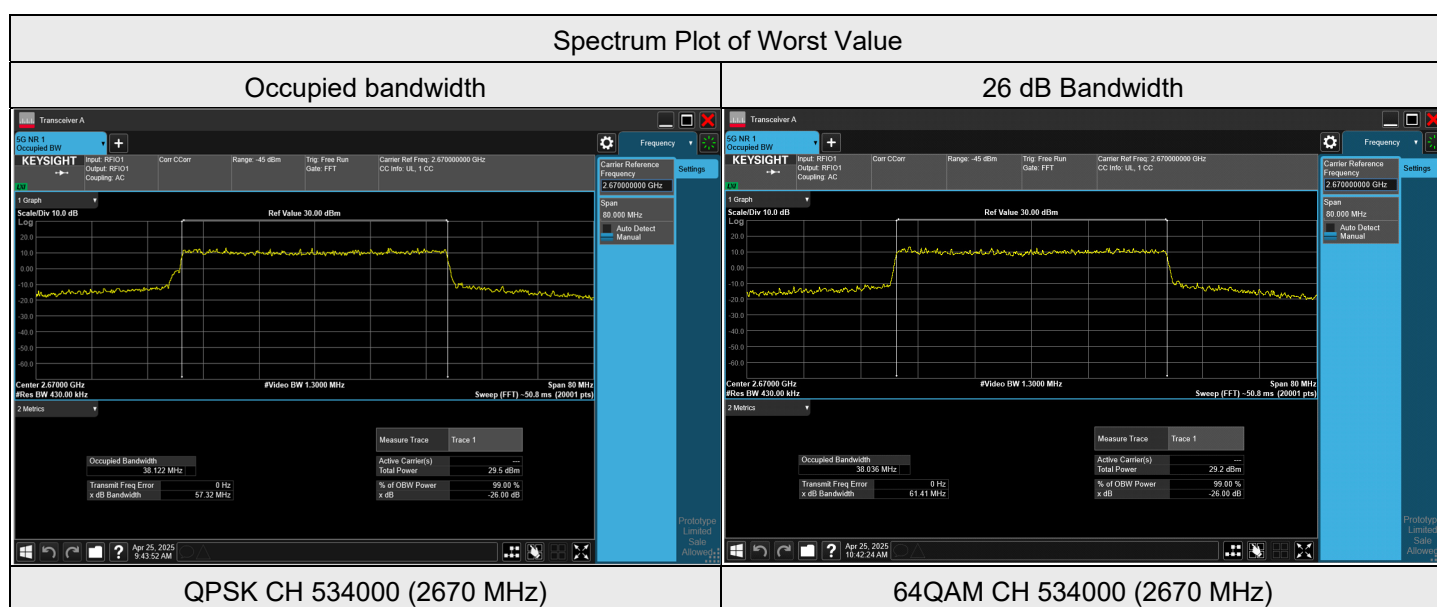
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	502200	2511	27.847	31.90
QPSK	518598	2592.99	27.919	30.96
QPSK	534996	2674.98	27.998	36.72
16QAM	502200	2511	27.811	29.67
16QAM	518598	2592.99	27.836	30.19
16QAM	534996	2674.98	27.939	43.97
64QAM	502200	2511	27.860	31.11
64QAM	518598	2592.99	27.877	32.82
64QAM	534996	2674.98	27.810	41.64
256QAM	502200	2511	27.792	29.31
256QAM	518598	2592.99	27.835	31.00
256QAM	534996	2674.98	27.865	31.21

Spectrum Plot of Worst Value



NR n41 SCS 30 kHz, MIMO-Ant. 3, Channel Bandwidth: 40 MHz

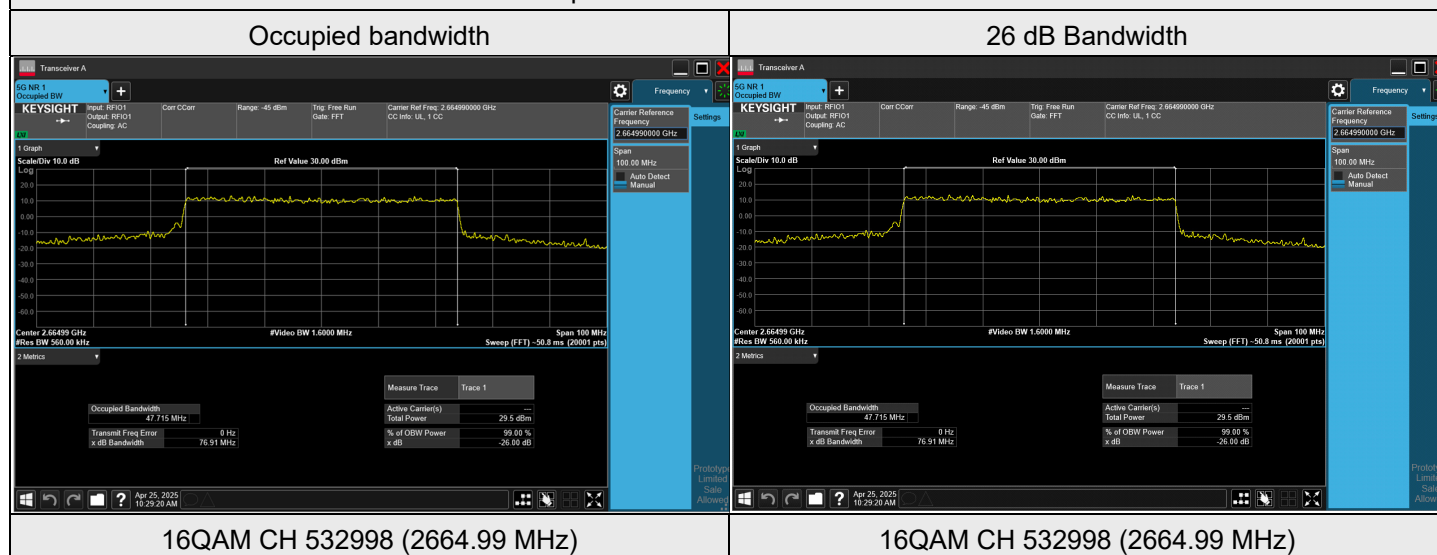
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	503202	2516.01	37.849	40.03
QPSK	518598	2592.99	37.891	39.94
QPSK	534000	2670	38.122	57.32
16QAM	503202	2516.01	37.850	42.61
16QAM	518598	2592.99	37.971	43.37
16QAM	534000	2670	38.041	43.06
64QAM	503202	2516.01	37.817	39.92
64QAM	518598	2592.99	37.864	41.51
64QAM	534000	2670	38.036	61.41
256QAM	503202	2516.01	37.698	39.71
256QAM	518598	2592.99	37.756	40.06
256QAM	534000	2670	37.793	39.69



NR n41 SCS 30 kHz, MIMO-Ant. 3, Channel Bandwidth: 50 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	504204	2521.02	47.404	49.75
QPSK	518598	2592.99	47.501	51.22
QPSK	532998	2664.99	47.663	70.02
16QAM	504204	2521.02	47.462	50.23
16QAM	518598	2592.99	47.533	50.06
16QAM	532998	2664.99	47.715	76.91
64QAM	504204	2521.02	47.512	55.78
64QAM	518598	2592.99	47.572	55.47
64QAM	532998	2664.99	47.591	67.10
256QAM	504204	2521.02	47.422	50.66
256QAM	518598	2592.99	47.472	51.43
256QAM	532998	2664.99	47.482	51.41

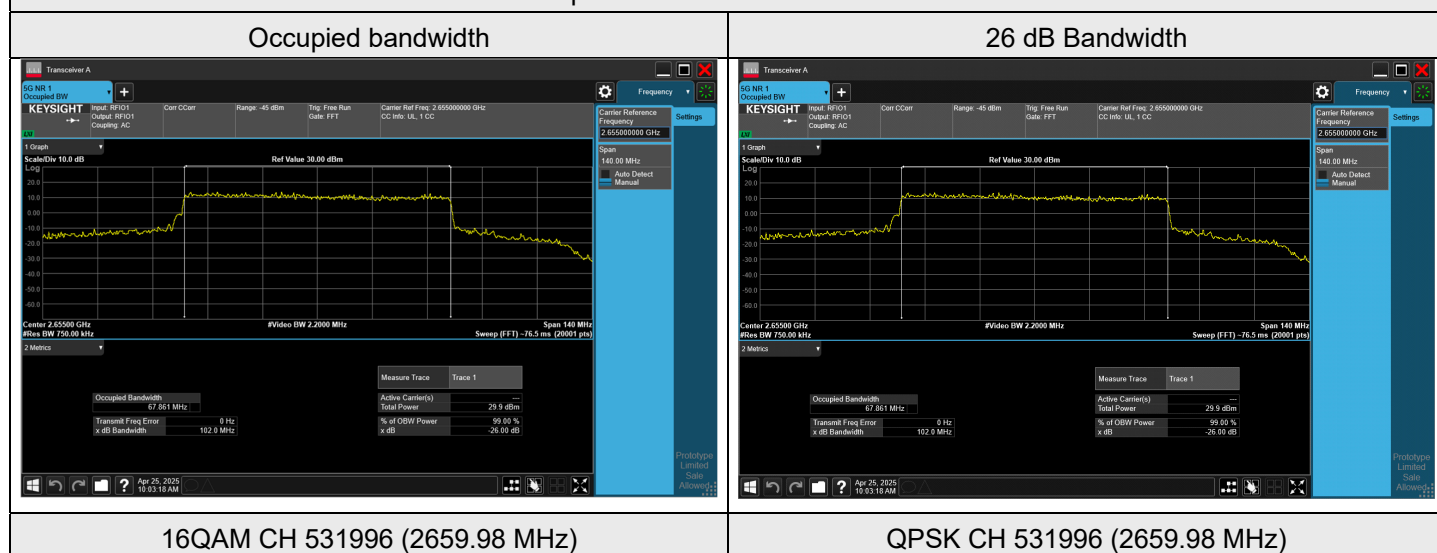
Spectrum Plot of Worst Value



NR n41 SCS 30 kHz, MIMO-Ant. 3, Channel Bandwidth: 60 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	505200	2526	57.748	61.27
QPSK	518598	2592.99	57.771	61.31
QPSK	531996	2659.98	58.072	88.78
16QAM	505200	2526	57.761	61.35
16QAM	518598	2592.99	57.876	61.94
16QAM	531996	2659.98	58.054	78.17
64QAM	505200	2526	57.733	60.87
64QAM	518598	2592.99	57.773	64.25
64QAM	531996	2659.98	57.986	88.48
256QAM	505200	2526	57.688	62.57
256QAM	518598	2592.99	57.651	60.14
256QAM	531996	2659.98	57.808	60.19

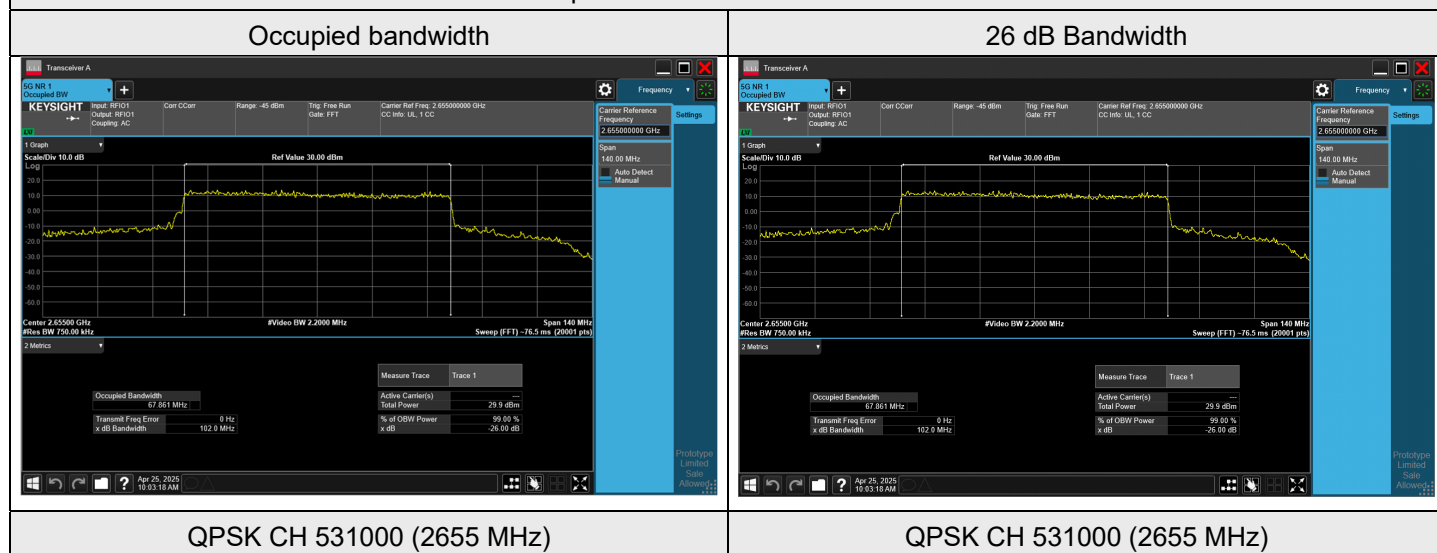
Spectrum Plot of Worst Value



NR n41 SCS 30 kHz, MIMO-Ant. 3, Channel Bandwidth: 70 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	506202	2531.01	67.298	73.10
QPSK	518598	2592.99	67.278	71.05
QPSK	531000	2655	67.861	102.0
16QAM	506202	2531.01	67.347	71.03
16QAM	518598	2592.99	67.402	74.14
16QAM	531000	2655	67.664	100.4
64QAM	506202	2531.01	67.318	78.27
64QAM	518598	2592.99	67.388	81.88
64QAM	531000	2655	67.665	89.44
256QAM	506202	2531.01	67.396	73.20
256QAM	518598	2592.99	67.206	71.03
256QAM	531000	2655	67.374	73.98

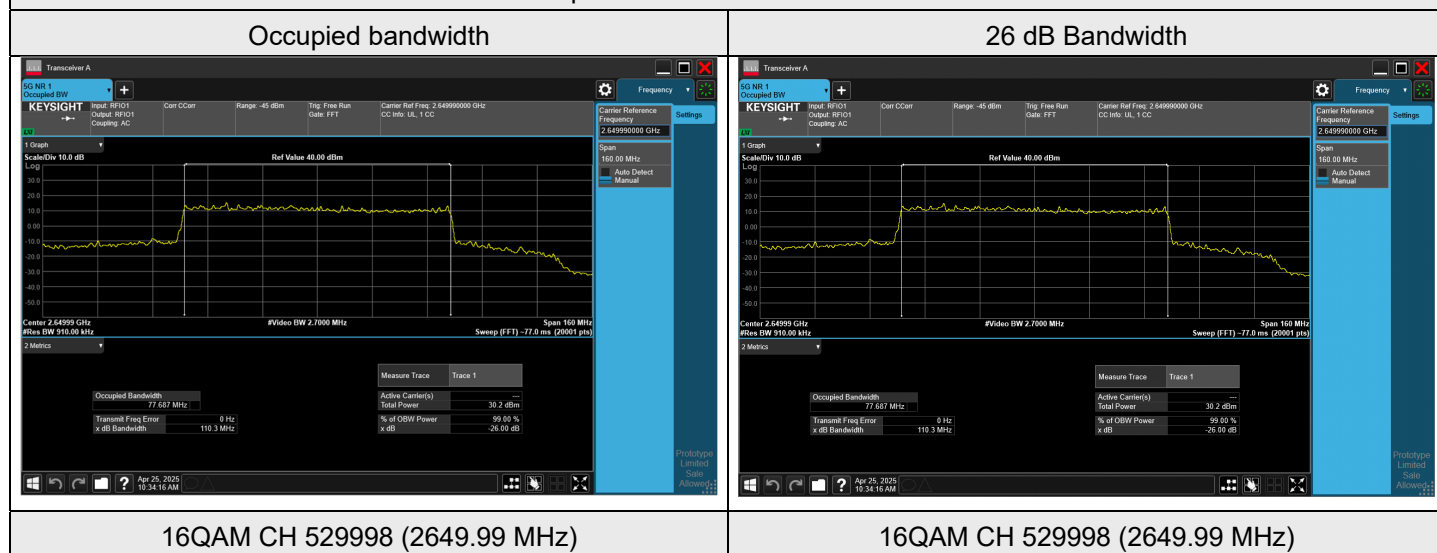
Spectrum Plot of Worst Value



NR n41 SCS 30 kHz, MIMO-Ant. 3, Channel Bandwidth: 80 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	507204	2536.02	77.258	84.77
QPSK	518598	2592.99	77.361	84.76
QPSK	529998	2649.99	77.553	105.6
16QAM	507204	2536.02	77.411	85.45
16QAM	518598	2592.99	77.409	105.2
16QAM	529998	2649.99	77.687	110.3
64QAM	507204	2536.02	77.392	81.92
64QAM	518598	2592.99	77.462	80.72
64QAM	529998	2649.99	77.635	92.58
256QAM	507204	2536.02	77.553	82.92
256QAM	518598	2592.99	77.573	82.72
256QAM	529998	2649.99	77.650	83.75

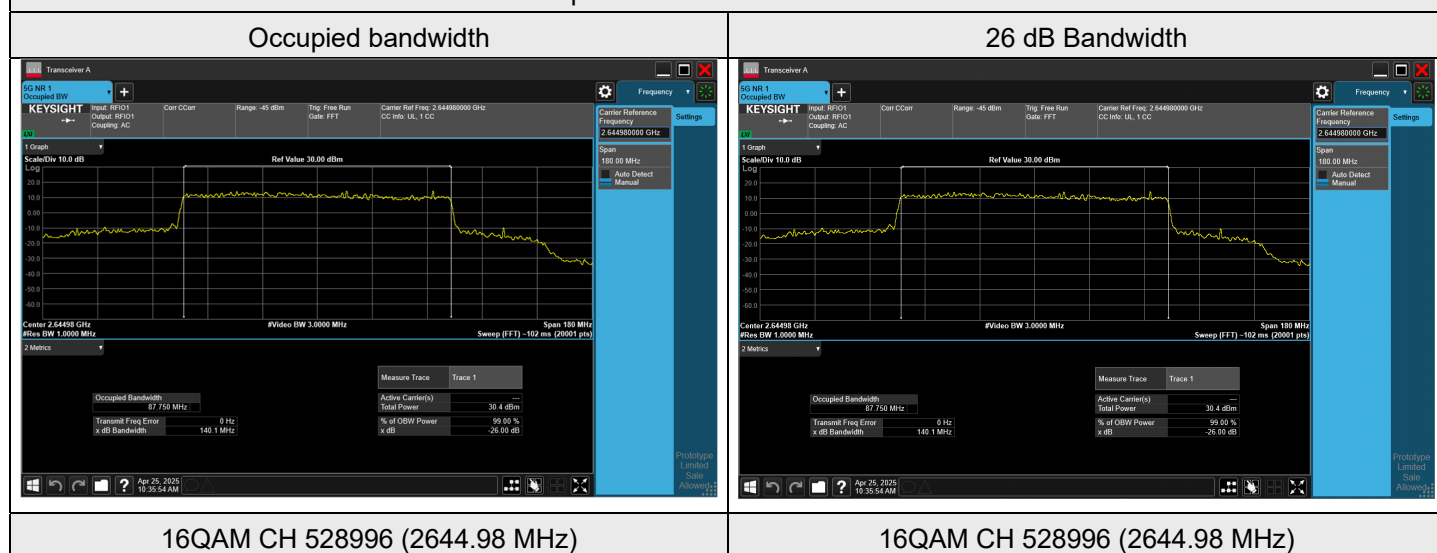
Spectrum Plot of Worst Value



NR n41 SCS 30 kHz, MIMO-Ant. 3, Channel Bandwidth: 90 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	508200	2541	87.318	91.50
QPSK	518598	2592.99	87.318	93.51
QPSK	528996	2644.98	87.498	116.9
16QAM	508200	2541	87.320	96.99
16QAM	518598	2592.99	87.446	94.01
16QAM	528996	2644.98	87.750	140.1
64QAM	508200	2541	87.142	92.19
64QAM	518598	2592.99	87.287	94.30
64QAM	528996	2644.98	87.466	128.5
256QAM	508200	2541	87.250	90.44
256QAM	518598	2592.99	87.234	90.42
256QAM	528996	2644.98	87.216	90.41

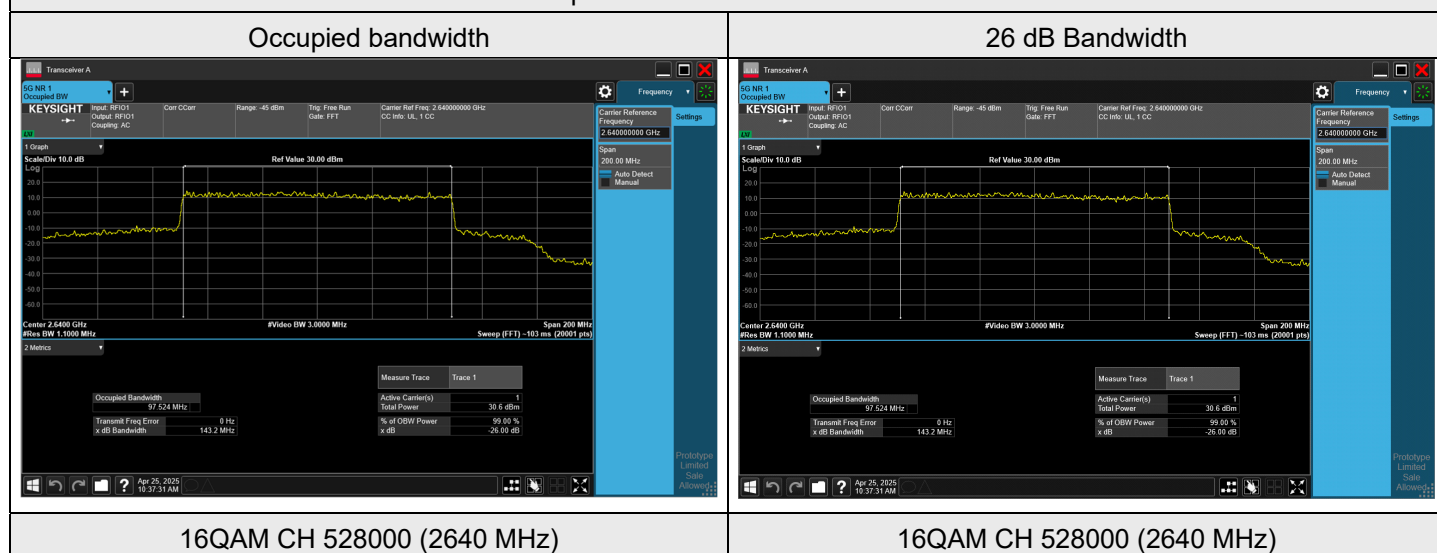
Spectrum Plot of Worst Value



NR n41 SCS 30 kHz, MIMO-Ant. 3, Channel Bandwidth: 100 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	509202	2546.01	97.141	101
QPSK	518598	2592.99	97.363	101.2
QPSK	528000	2640	97.486	130.4
16QAM	509202	2546.01	97.083	100.8
16QAM	518598	2592.99	97.226	104.2
16QAM	528000	2640	97.524	143.2
64QAM	509202	2546.01	97.088	100.9
64QAM	518598	2592.99	97.202	103
64QAM	528000	2640	97.028	127.5
256QAM	509202	2546.01	97.004	102.4
256QAM	518598	2592.99	97.082	103.2
256QAM	528000	2640	97.248	103.9

Spectrum Plot of Worst Value

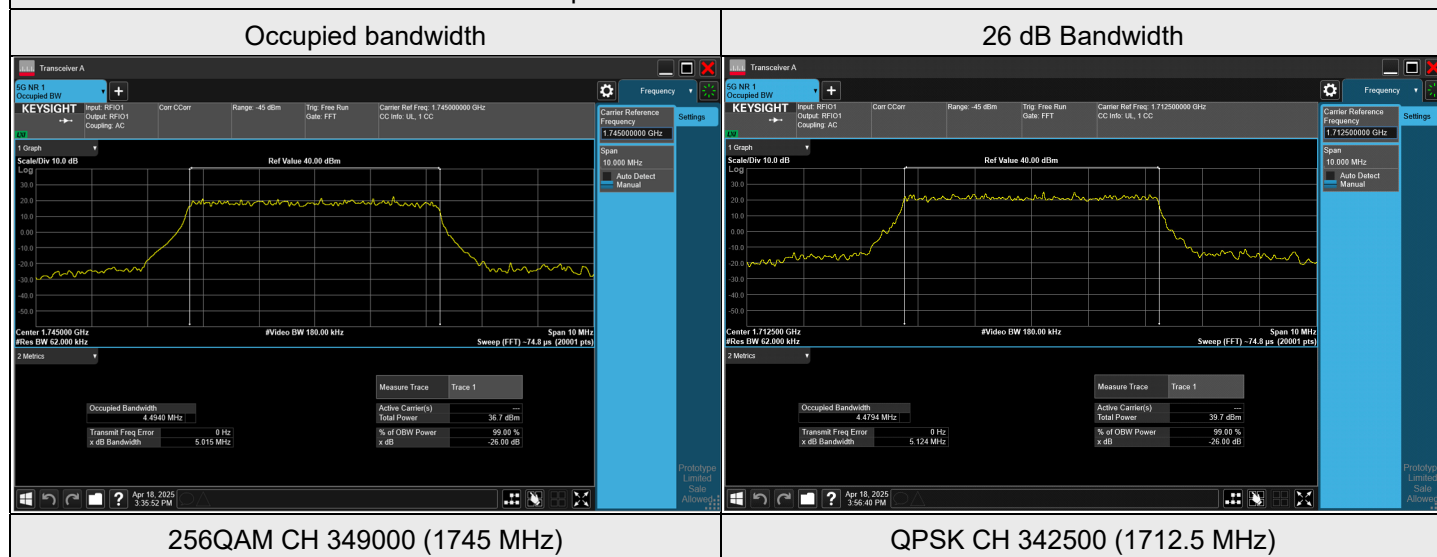


7.4.14 NR n66 SCS 15 kHz

NR n66 SCS 15 kHz, Channel Bandwidth: 5 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	342500	1712.5	4.4783	5.113
BPSK	349000	1745	4.4773	5.084
BPSK	355500	1777.5	4.4785	5.112
QPSK	342500	1712.5	4.4794	5.124
QPSK	349000	1745	4.4635	4.889
QPSK	355500	1777.5	4.4731	5.089
16QAM	342500	1712.5	4.4720	5.096
16QAM	349000	1745	4.4682	5.089
16QAM	355500	1777.5	4.4682	5.003
64QAM	342500	1712.5	4.4671	5.027
64QAM	349000	1745	4.4671	5.061
64QAM	355500	1777.5	4.4650	4.878
256QAM	342500	1712.5	4.4933	5.120
256QAM	349000	1745	4.4940	5.015
256QAM	355500	1777.5	4.4900	5.076

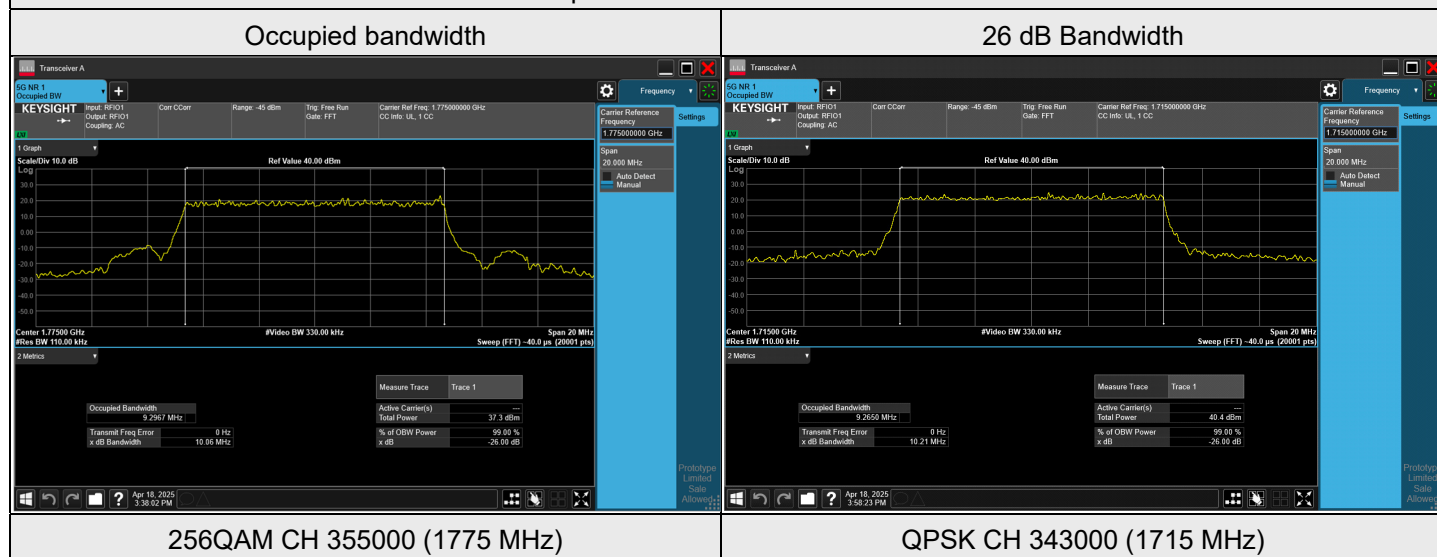
Spectrum Plot of Worst Value



NR n66 SCS 15 kHz, Channel Bandwidth: 10 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	343000	1715	9.1745	9.758
BPSK	349000	1745	9.1782	9.585
BPSK	355000	1775	9.1847	9.639
QPSK	343000	1715	9.2650	10.21
QPSK	349000	1745	9.2746	10.14
QPSK	355000	1775	9.2509	9.964
16QAM	343000	1715	9.2155	9.947
16QAM	349000	1745	9.2624	9.954
16QAM	355000	1775	9.2449	9.904
64QAM	343000	1715	9.2681	10.09
64QAM	349000	1745	9.2680	9.992
64QAM	355000	1775	9.2646	10.12
256QAM	343000	1715	9.2840	10.02
256QAM	349000	1745	9.2888	10.03
256QAM	355000	1775	9.2967	10.06

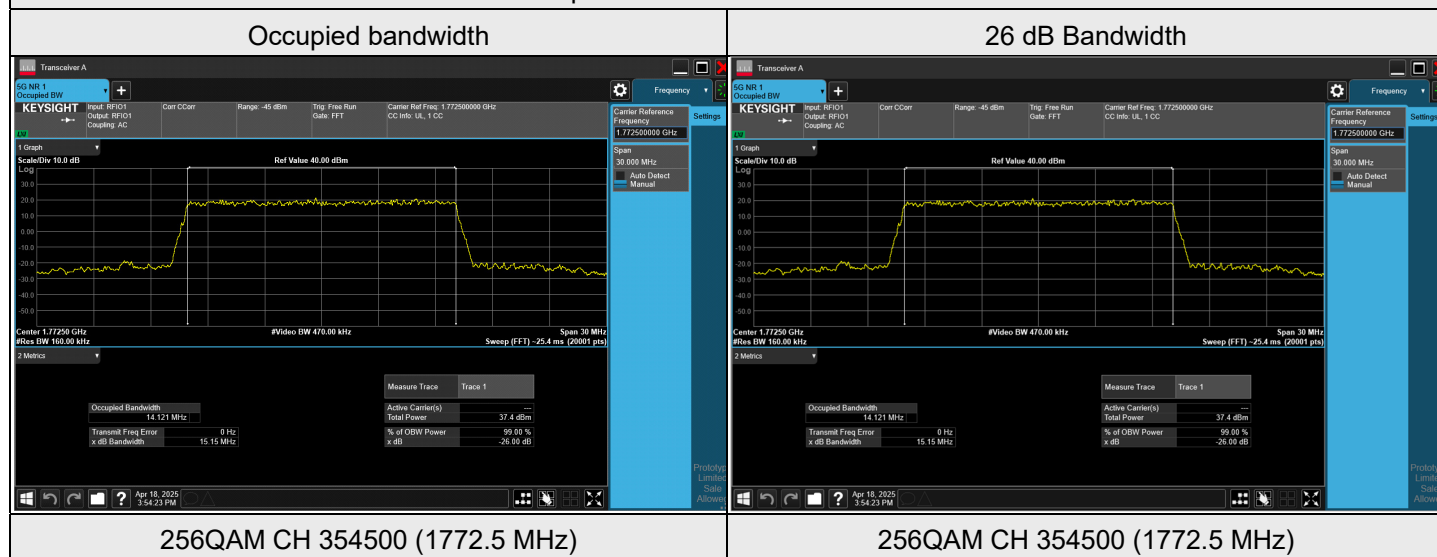
Spectrum Plot of Worst Value



NR n66 SCS 15 kHz, Channel Bandwidth: 15 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	343500	1717.5	13.975	14.43
BPSK	349000	1745	14.023	14.35
BPSK	354500	1772.5	13.981	14.34
QPSK	343500	1717.5	14.103	15.07
QPSK	349000	1745	14.092	15.01
QPSK	354500	1772.5	14.106	15.12
16QAM	343500	1717.5	14.106	15.05
16QAM	349000	1745	14.119	14.97
16QAM	354500	1772.5	14.083	15.01
64QAM	343500	1717.5	14.052	14.90
64QAM	349000	1745	14.050	14.93
64QAM	354500	1772.5	14.059	14.96
256QAM	343500	1717.5	14.067	14.88
256QAM	349000	1745	14.065	14.92
256QAM	354500	1772.5	14.121	15.15

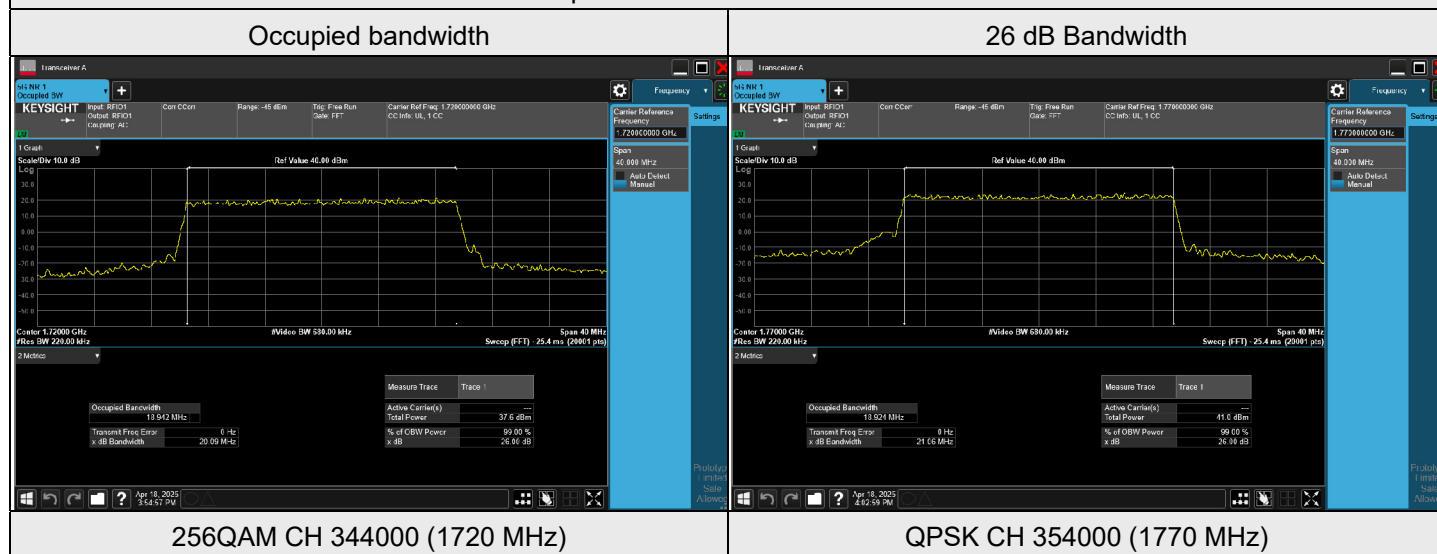
Spectrum Plot of Worst Value



NR n66 SCS 15 kHz, Channel Bandwidth: 20 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	344000	1720	18.698	18.75
BPSK	349000	1745	18.748	18.95
BPSK	354000	1770	18.758	18.97
QPSK	344000	1720	18.893	19.84
QPSK	349000	1745	18.885	19.84
QPSK	354000	1770	18.924	21.06
16QAM	344000	1720	18.885	19.96
16QAM	349000	1745	18.862	19.94
16QAM	354000	1770	18.900	19.95
64QAM	344000	1720	18.901	19.92
64QAM	349000	1745	18.900	19.99
64QAM	354000	1770	18.921	19.95
256QAM	344000	1720	18.942	20.09
256QAM	349000	1745	18.872	19.99
256QAM	354000	1770	18.913	20.01

Spectrum Plot of Worst Value

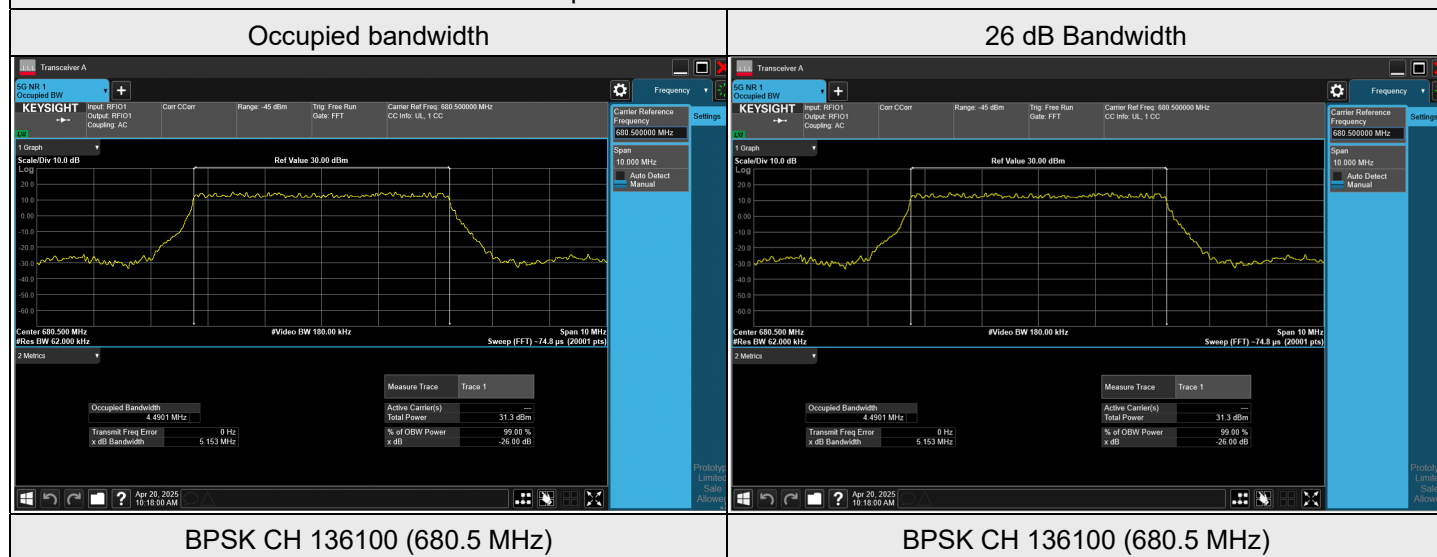


7.4.16 NR n71 SCS 15 kHz

NR n71 SCS 15 kHz, Channel Bandwidth: 5 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	133100	665.5	4.4821	5.135
BPSK	136100	680.5	4.4901	5.153
BPSK	139100	695.5	4.4744	4.816
QPSK	133100	665.5	4.4784	5.009
QPSK	136100	680.5	4.4784	5.087
QPSK	139100	695.5	4.4704	4.803
16QAM	133100	665.5	4.4541	4.897
16QAM	136100	680.5	4.4671	4.924
16QAM	139100	695.5	4.4708	4.905
64QAM	133100	665.5	4.4593	4.941
64QAM	136100	680.5	4.4714	5.037
64QAM	139100	695.5	4.4724	4.852
256QAM	133100	665.5	4.4654	4.977
256QAM	136100	680.5	4.4635	4.866
256QAM	139100	695.5	4.4735	4.794

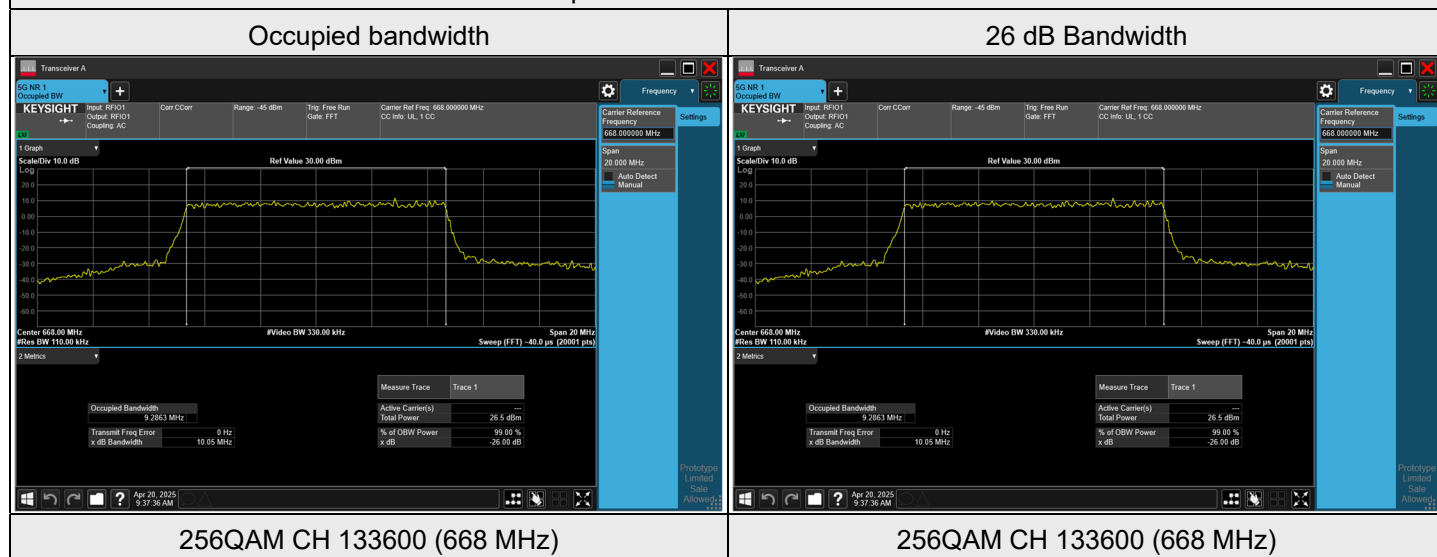
Spectrum Plot of Worst Value



NR n71 SCS 15 kHz, Channel Bandwidth: 10 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	133600	668	9.1765	9.64
BPSK	136100	680.5	9.1889	9.577
BPSK	138600	693	9.1885	9.633
QPSK	133600	668	9.2501	10.02
QPSK	136100	680.5	9.2624	9.978
QPSK	138600	693	9.2667	10.04
16QAM	133600	668	9.2745	10.04
16QAM	136100	680.5	9.2826	10.03
16QAM	138600	693	9.2560	9.944
64QAM	133600	668	9.2625	10.02
64QAM	136100	680.5	9.2669	10.01
64QAM	138600	693	9.2661	10.01
256QAM	133600	668	9.2863	10.05
256QAM	136100	680.5	9.2848	10.04
256QAM	138600	693	9.2770	9.984

Spectrum Plot of Worst Value



NR n71 SCS 15 kHz, Channel Bandwidth: 15 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	134100	670.5	13.953	14.27
BPSK	136100	680.5	14.037	14.30
BPSK	138100	690.5	14.047	14.39
QPSK	134100	670.5	14.062	14.92
QPSK	136100	680.5	14.059	15.13
QPSK	138100	690.5	14.062	14.83
16QAM	134100	670.5	14.068	15.04
16QAM	136100	680.5	14.046	14.99
16QAM	138100	690.5	14.076	14.95
64QAM	134100	670.5	14.046	14.91
64QAM	136100	680.5	14.020	14.72
64QAM	138100	690.5	14.068	14.95
256QAM	134100	670.5	14.053	14.83
256QAM	136100	680.5	14.062	14.89
256QAM	138100	690.5	14.077	14.91

Spectrum Plot of Worst Value

