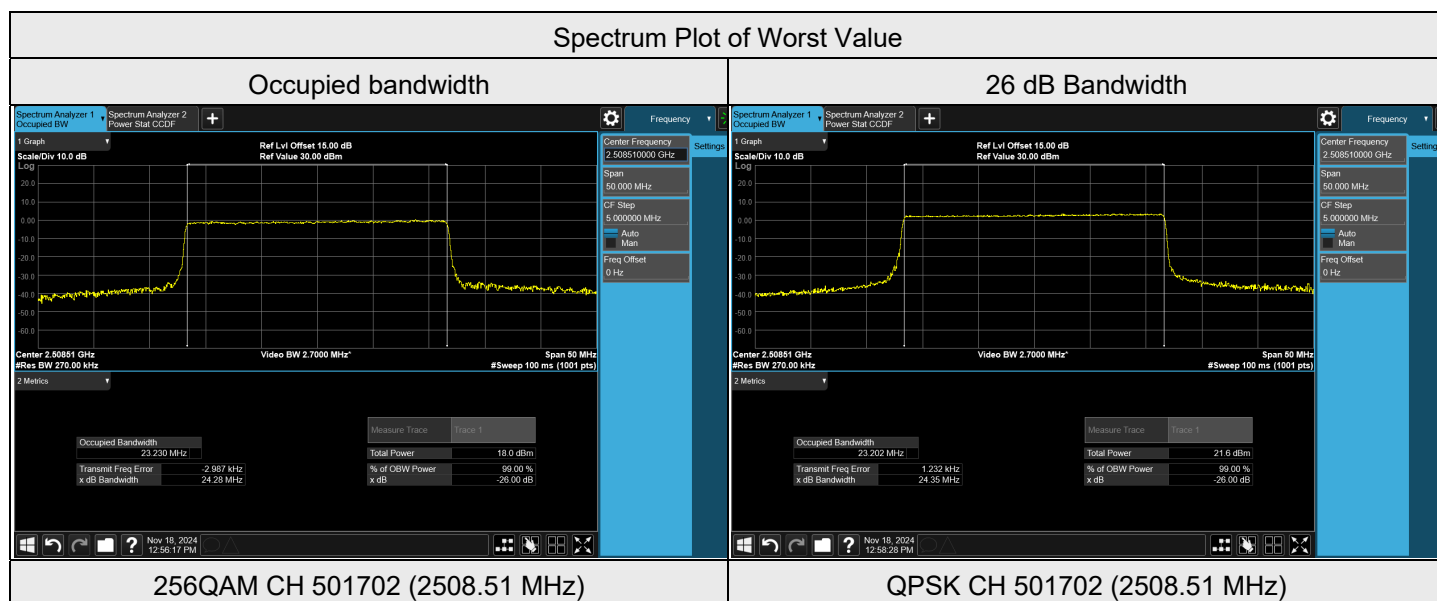


NR n41 SCS 30 kHz - MIMO-Ant 3, Channel Bandwidth: 25 MHz

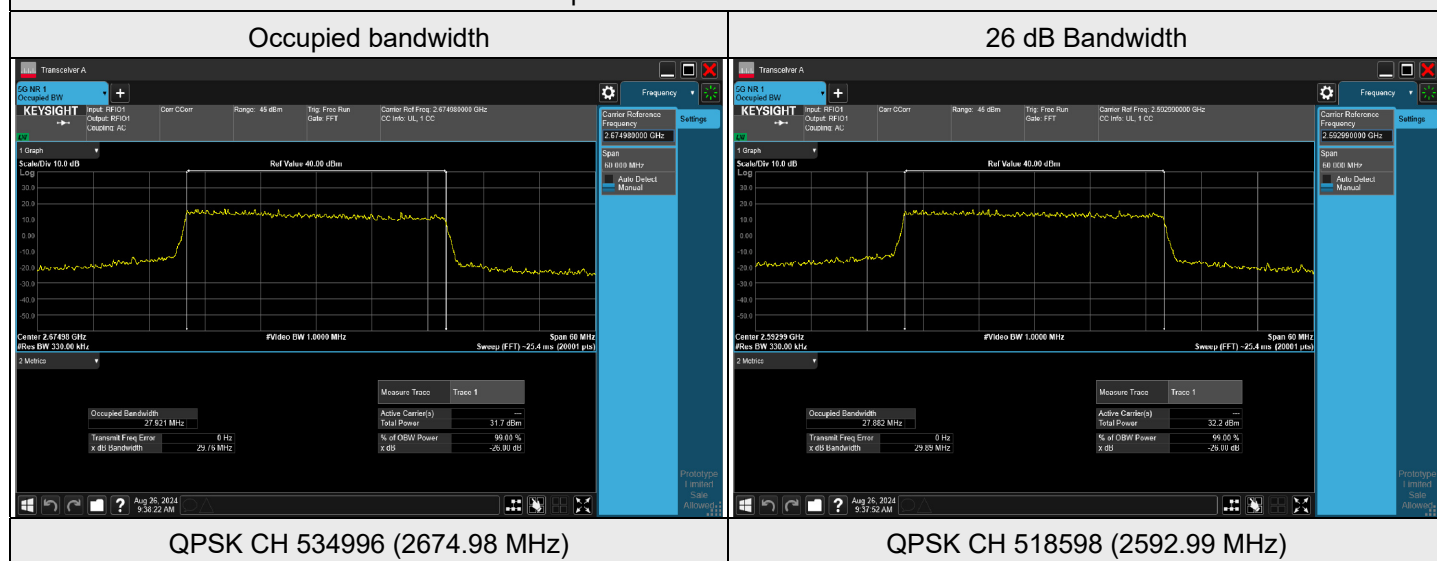
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	501702	2508.51	22.842	23.86
BPSK	518598	2592.99	22.864	23.81
BPSK	535500	2677.5	22.851	23.81
QPSK	501702	2508.51	23.202	24.35
QPSK	518598	2592.99	23.215	24.27
QPSK	535500	2677.5	23.211	24.19
16QAM	501702	2508.51	23.215	24.27
16QAM	518598	2592.99	23.212	24.2
16QAM	535500	2677.5	23.22	24.28
64QAM	501702	2508.51	23.185	24.29
64QAM	518598	2592.99	23.182	24.18
64QAM	535500	2677.5	23.197	24.28
256QAM	501702	2508.51	23.23	24.28
256QAM	518598	2592.99	23.221	24.21
256QAM	535500	2677.5	23.212	24.13



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

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	502200	2511	27.481	28.70
BPSK	518598	2592.99	27.698	28.62
BPSK	534996	2674.98	27.775	28.39
QPSK	502200	2511	27.823	29.65
QPSK	518598	2592.99	27.882	29.89
QPSK	534996	2674.98	27.921	29.76
16QAM	502200	2511	27.781	29.31
16QAM	518598	2592.99	27.828	29.44
16QAM	534996	2674.98	27.843	29.20
64QAM	502200	2511	27.824	29.60
64QAM	518598	2592.99	27.836	29.52
64QAM	534996	2674.98	27.858	29.35
256QAM	502200	2511	27.795	29.45
256QAM	518598	2592.99	27.848	29.62
256QAM	534996	2674.98	27.907	29.57

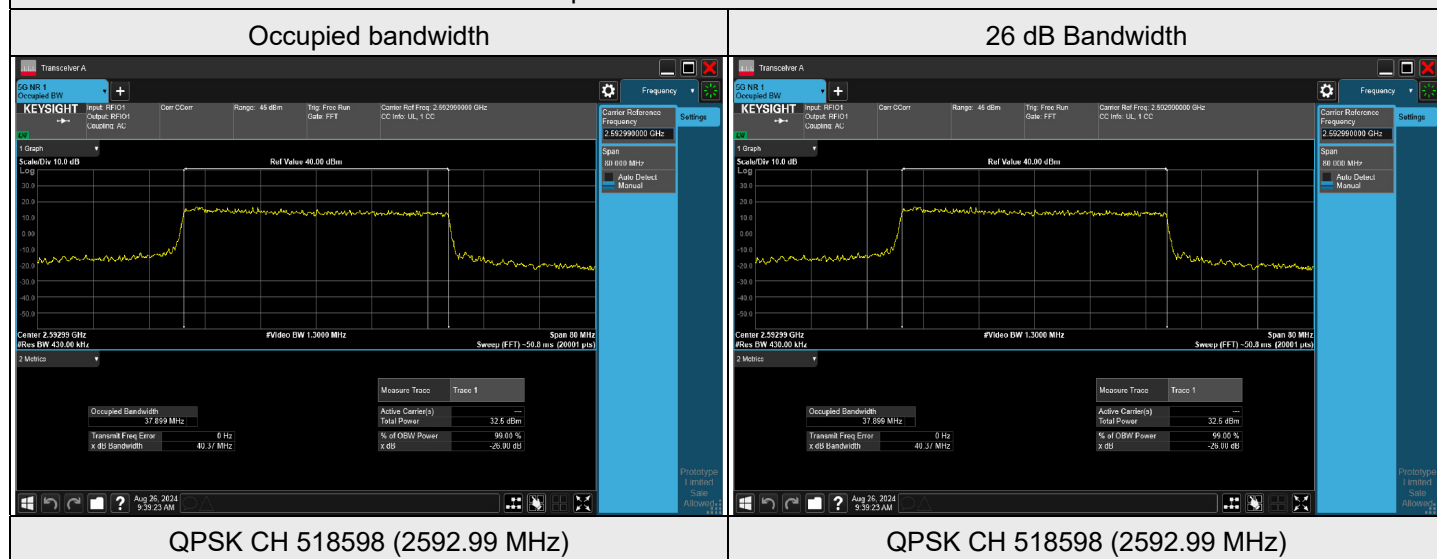
Spectrum Plot of Worst Value



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

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	503202	2516.01	37.034	37.75
BPSK	518598	2592.99	37.642	37.85
BPSK	534000	2670	37.643	37.40
QPSK	503202	2516.01	37.825	39.93
QPSK	518598	2592.99	37.899	40.37
QPSK	534000	2670	37.803	39.81
16QAM	503202	2516.01	37.724	39.76
16QAM	518598	2592.99	37.812	39.64
16QAM	534000	2670	37.768	39.54
64QAM	503202	2516.01	37.787	39.84
64QAM	518598	2592.99	37.811	39.67
64QAM	534000	2670	37.777	39.80
256QAM	503202	2516.01	37.675	39.87
256QAM	518598	2592.99	37.747	40.03
256QAM	534000	2670	37.697	39.56

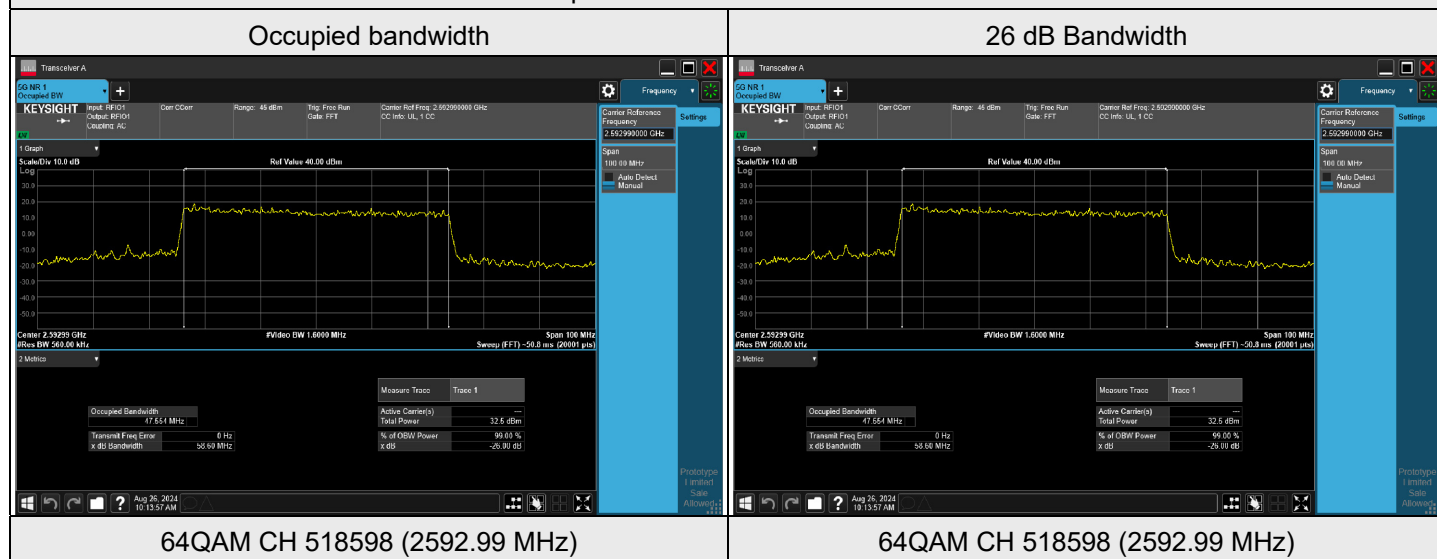
Spectrum Plot of Worst Value



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

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	504204	2521.02	46.595	47.98
BPSK	518598	2592.99	47.320	47.84
BPSK	532998	2664.99	47.154	47.81
QPSK	504204	2521.02	47.423	49.75
QPSK	518598	2592.99	47.542	49.66
QPSK	532998	2664.99	47.350	49.26
16QAM	504204	2521.02	47.431	49.74
16QAM	518598	2592.99	47.535	49.66
16QAM	532998	2664.99	47.384	49.39
64QAM	504204	2521.02	47.474	49.73
64QAM	518598	2592.99	47.554	58.60
64QAM	532998	2664.99	47.390	49.66
256QAM	504204	2521.02	47.402	49.73
256QAM	518598	2592.99	47.541	49.70
256QAM	532998	2664.99	47.334	49.80

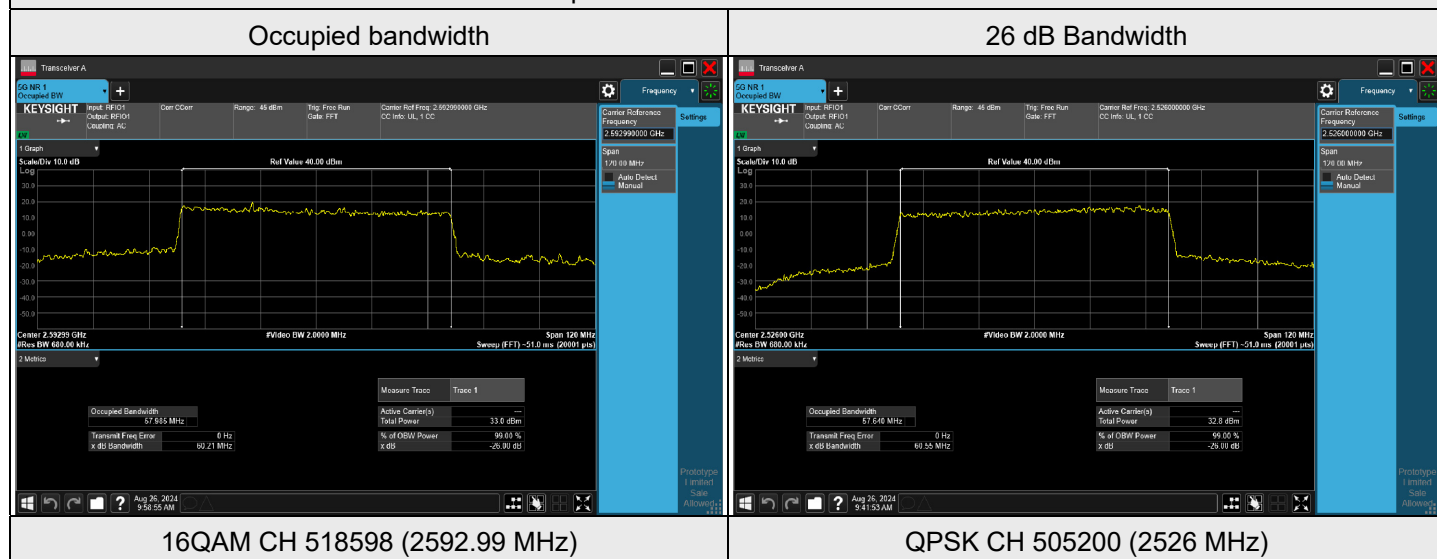
Spectrum Plot of Worst Value



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

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	505200	2526	57.674	60.40
BPSK	518598	2592.99	57.805	60.47
BPSK	531996	2659.98	57.423	60.08
QPSK	505200	2526	57.640	60.55
QPSK	518598	2592.99	57.904	60.55
QPSK	531996	2659.98	57.553	60.39
16QAM	505200	2526	57.636	60.10
16QAM	518598	2592.99	57.985	60.21
16QAM	531996	2659.98	57.556	60.30
64QAM	505200	2526	57.627	59.92
64QAM	518598	2592.99	57.864	60.22
64QAM	531996	2659.98	57.531	59.94
256QAM	505200	2526	57.589	60.10
256QAM	518598	2592.99	57.808	60.35
256QAM	531996	2659.98	57.505	60.05

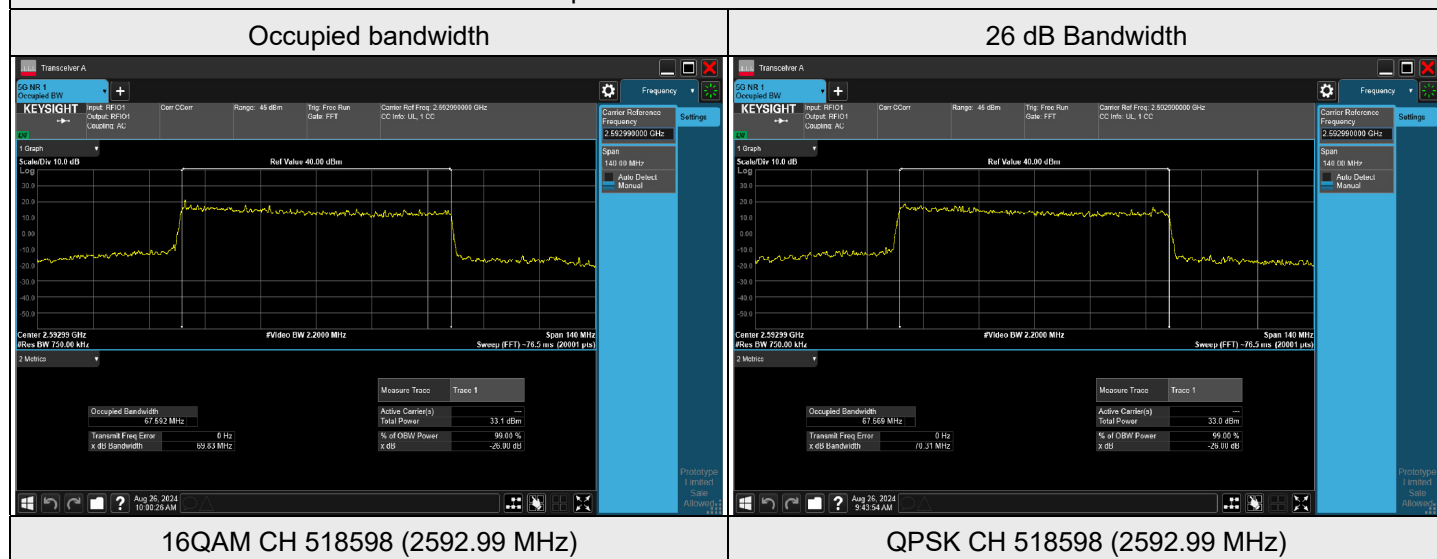
Spectrum Plot of Worst Value



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

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	506202	2531.01	66.127	66.82
BPSK	518598	2592.99	67.411	66.89
BPSK	531000	2655	66.697	66.61
QPSK	506202	2531.01	67.034	69.95
QPSK	518598	2592.99	67.569	70.31
QPSK	531000	2655	66.810	69.86
16QAM	506202	2531.01	67.078	69.76
16QAM	518598	2592.99	67.592	69.83
16QAM	531000	2655	66.883	70.16
64QAM	506202	2531.01	67.032	70.16
64QAM	518598	2592.99	67.579	70.17
64QAM	531000	2655	66.786	69.57
256QAM	506202	2531.01	66.993	69.72
256QAM	518598	2592.99	67.495	70.04
256QAM	531000	2655	66.869	70.06

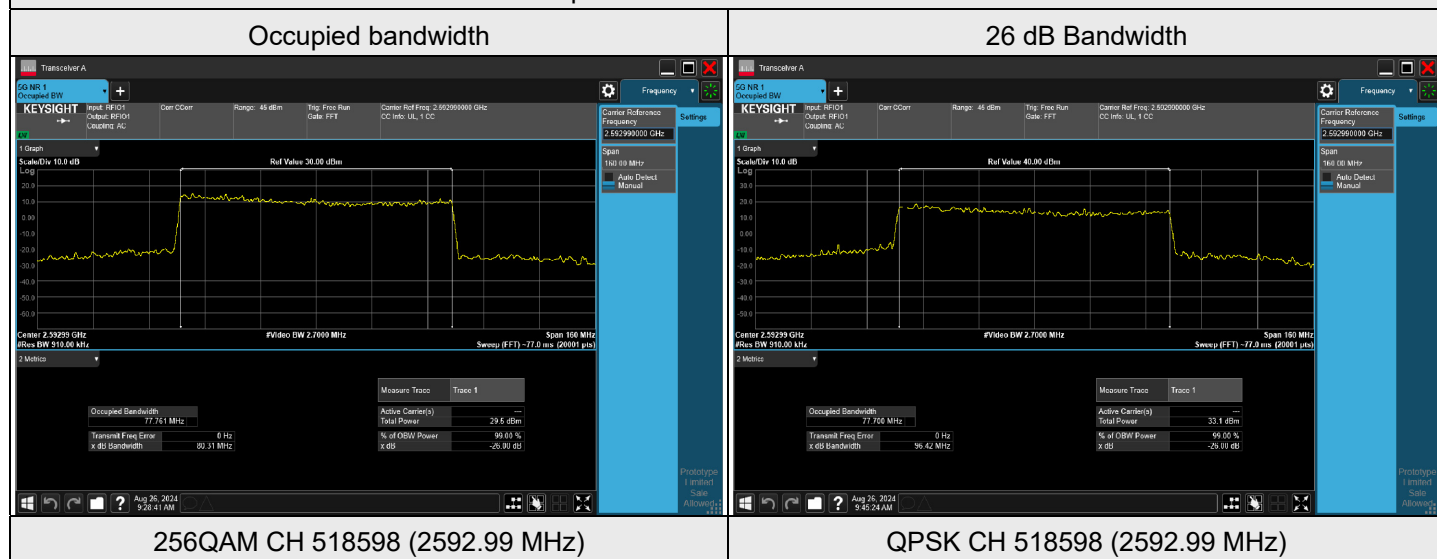
Spectrum Plot of Worst Value



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

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	507204	2536.02	76.453	80.08
BPSK	518598	2592.99	77.457	80.31
BPSK	529998	2649.99	76.772	80.07
QPSK	507204	2536.02	76.961	80.02
QPSK	518598	2592.99	77.700	96.42
QPSK	529998	2649.99	76.819	79.95
16QAM	507204	2536.02	76.984	80.06
16QAM	518598	2592.99	77.672	80.23
16QAM	529998	2649.99	76.946	79.93
64QAM	507204	2536.02	76.883	80.47
64QAM	518598	2592.99	77.633	80.53
64QAM	529998	2649.99	76.802	80.36
256QAM	507204	2536.02	77.202	80.13
256QAM	518598	2592.99	77.761	80.31
256QAM	529998	2649.99	77.152	80.03

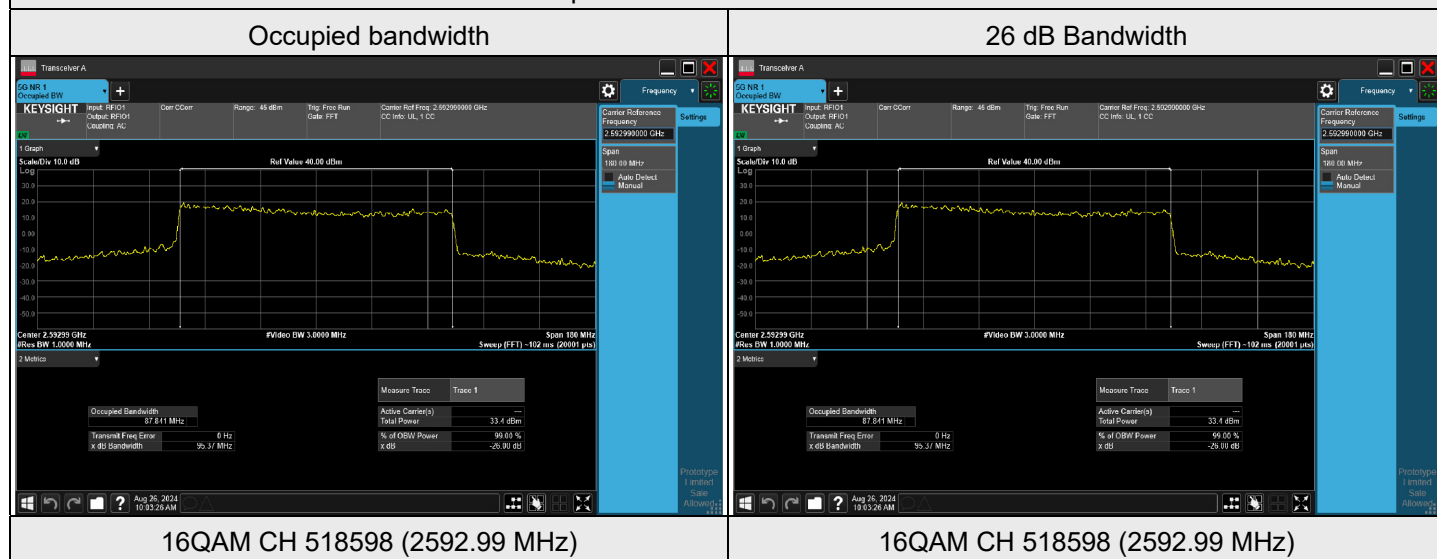
Spectrum Plot of Worst Value



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

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	508200	2541	86.247	89.93
BPSK	518598	2592.99	87.394	90.48
BPSK	528996	2644.98	86.389	90.02
QPSK	508200	2541	87.103	90.14
QPSK	518598	2592.99	87.613	92.20
QPSK	528996	2644.98	87.233	90.24
16QAM	508200	2541	86.869	90.22
16QAM	518598	2592.99	87.841	95.37
16QAM	528996	2644.98	86.869	90.35
64QAM	508200	2541	86.564	90.39
64QAM	518598	2592.99	87.615	90.49
64QAM	528996	2644.98	86.706	90.33
256QAM	508200	2541	86.637	90.30
256QAM	518598	2592.99	87.488	90.83
256QAM	528996	2644.98	86.819	90.39

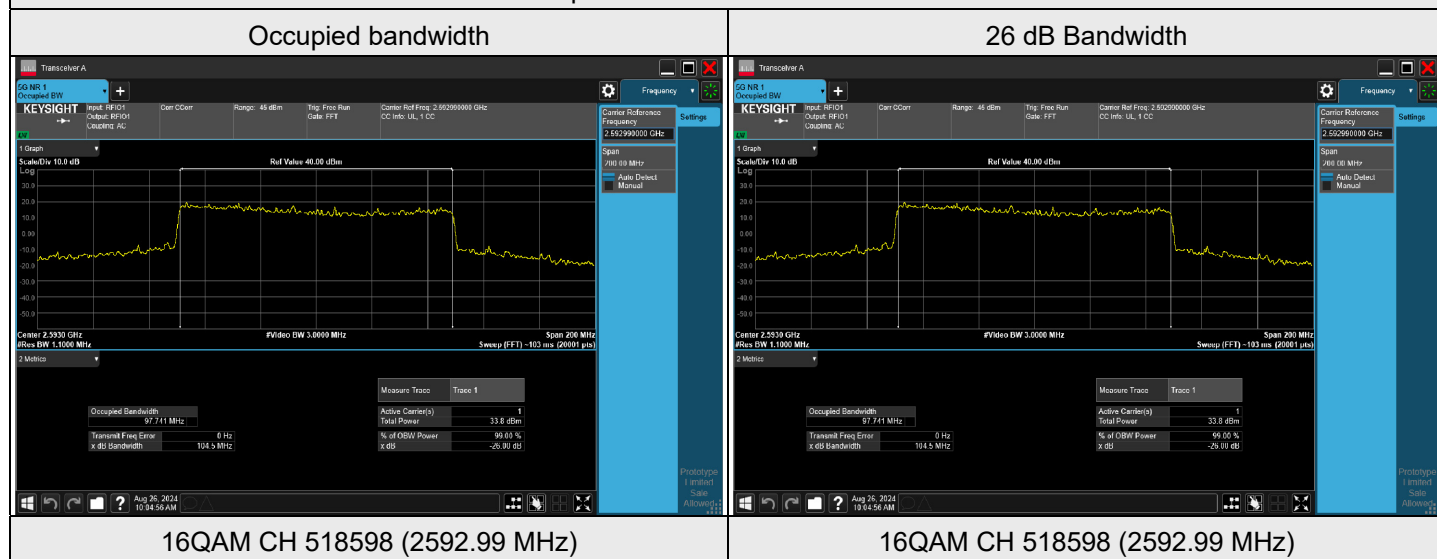
Spectrum Plot of Worst Value



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

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	509202	2546.01	95.901	99.34
BPSK	518598	2592.99	97.165	99.80
BPSK	528000	2640	96.085	99.57
QPSK	509202	2546.01	96.484	100.4
QPSK	518598	2592.99	97.487	100.7
QPSK	528000	2640	96.800	100.7
16QAM	509202	2546.01	96.387	100.5
16QAM	518598	2592.99	97.741	104.5
16QAM	528000	2640	97.007	100.7
64QAM	509202	2546.01	96.643	100.7
64QAM	518598	2592.99	97.587	100.9
64QAM	528000	2640	96.847	100.7
256QAM	509202	2546.01	96.446	100.6
256QAM	518598	2592.99	97.486	101.0
256QAM	528000	2640	96.807	100.8

Spectrum Plot of Worst Value

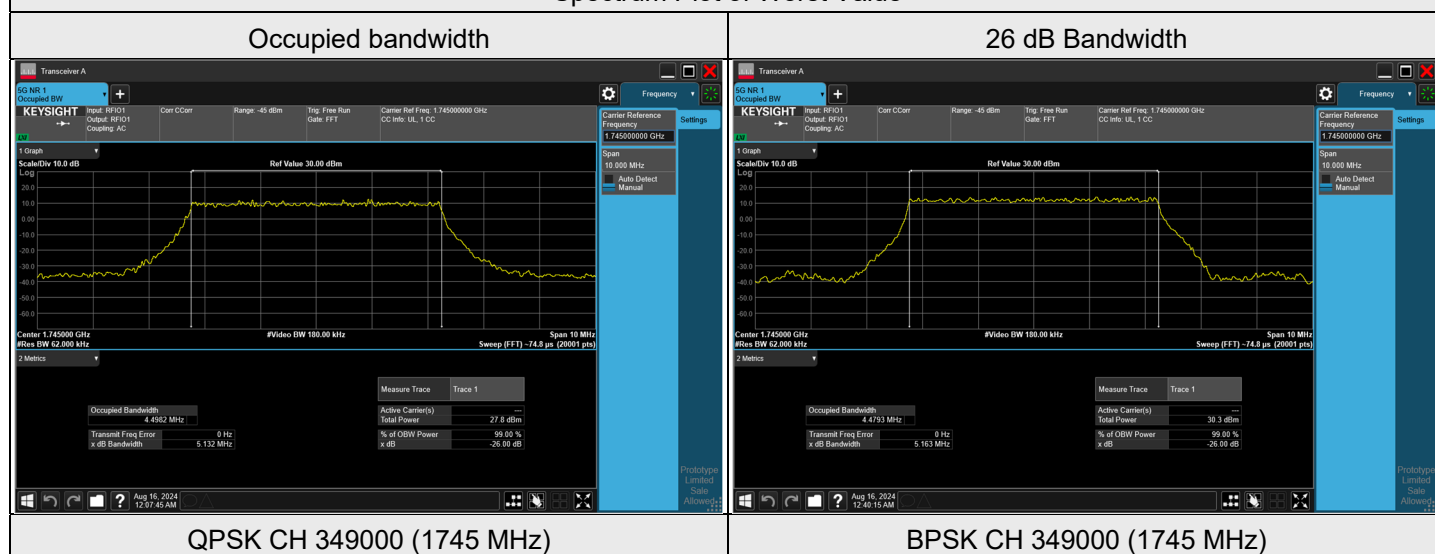


7.4.7 NR n66 SCS 15 kHz

NR n66 SCS 15 kHz, Channel Bandwidth: 5 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	342500	1712.5	4.4732	5.097
BPSK	349000	1745	4.4793	5.163
BPSK	355500	1777.5	4.4751	5.115
QPSK	342500	1712.5	4.4861	5.092
QPSK	349000	1745	4.4982	5.132
QPSK	355500	1777.5	4.4942	5.156
16QAM	342500	1712.5	4.4593	4.985
16QAM	349000	1745	4.4624	5.043
16QAM	355500	1777.5	4.4635	4.981
64QAM	342500	1712.5	4.4611	4.994
64QAM	349000	1745	4.4614	4.955
64QAM	355500	1777.5	4.4613	4.947
256QAM	342500	1712.5	4.4921	5.053
256QAM	349000	1745	4.4892	5.034
256QAM	355500	1777.5	4.4922	5.053

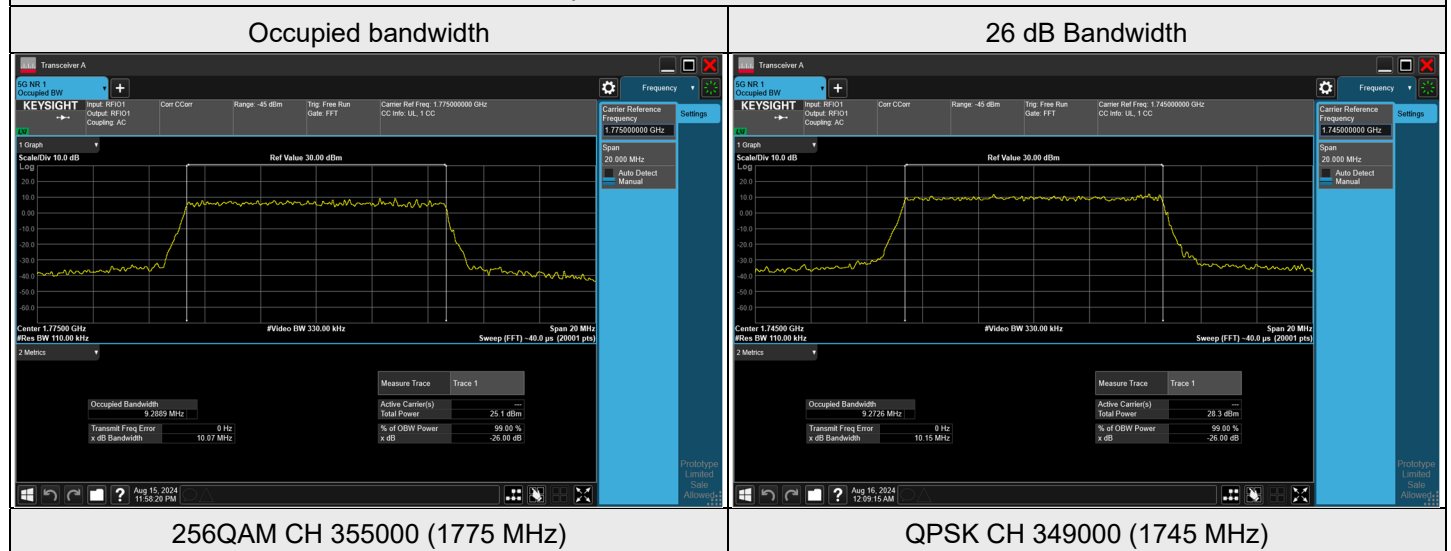
Spectrum Plot of Worst Value



NR n66 SCS 15 kHz, Channel Bandwidth: 10 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	343000	1715	9.1800	9.526
BPSK	349000	1745	9.1504	9.532
BPSK	355000	1775	9.1627	9.540
QPSK	343000	1715	9.2664	10.10
QPSK	349000	1745	9.2726	10.15
QPSK	355000	1775	9.2604	10.07
16QAM	343000	1715	9.2801	9.957
16QAM	349000	1745	9.2807	10.06
16QAM	355000	1775	9.2625	9.847
64QAM	343000	1715	9.2548	10.08
64QAM	349000	1745	9.2489	9.970
64QAM	355000	1775	9.2462	10.07
256QAM	343000	1715	9.2746	10.08
256QAM	349000	1745	9.2749	10.10
256QAM	355000	1775	9.2889	10.07

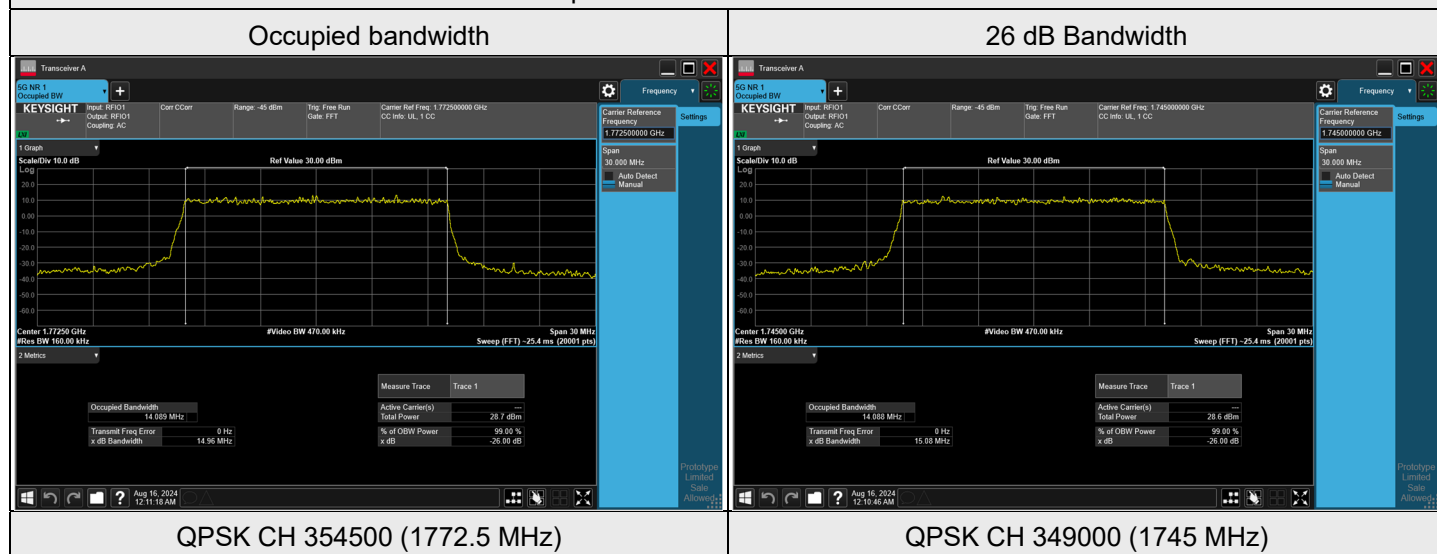
Spectrum Plot of Worst Value



NR n66 SCS 15 kHz, Channel Bandwidth: 15 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	343500	1717.5	14.005	14.36
BPSK	349000	1745	13.966	14.36
BPSK	354500	1772.5	14.011	14.46
QPSK	343500	1717.5	14.070	14.90
QPSK	349000	1745	14.088	15.08
QPSK	354500	1772.5	14.089	14.96
16QAM	343500	1717.5	14.070	14.90
16QAM	349000	1745	14.056	15.02
16QAM	354500	1772.5	14.074	15.01
64QAM	343500	1717.5	14.067	14.80
64QAM	349000	1745	14.062	15.05
64QAM	354500	1772.5	14.064	14.87
256QAM	343500	1717.5	14.065	14.96
256QAM	349000	1745	14.068	14.96
256QAM	354500	1772.5	14.059	14.95

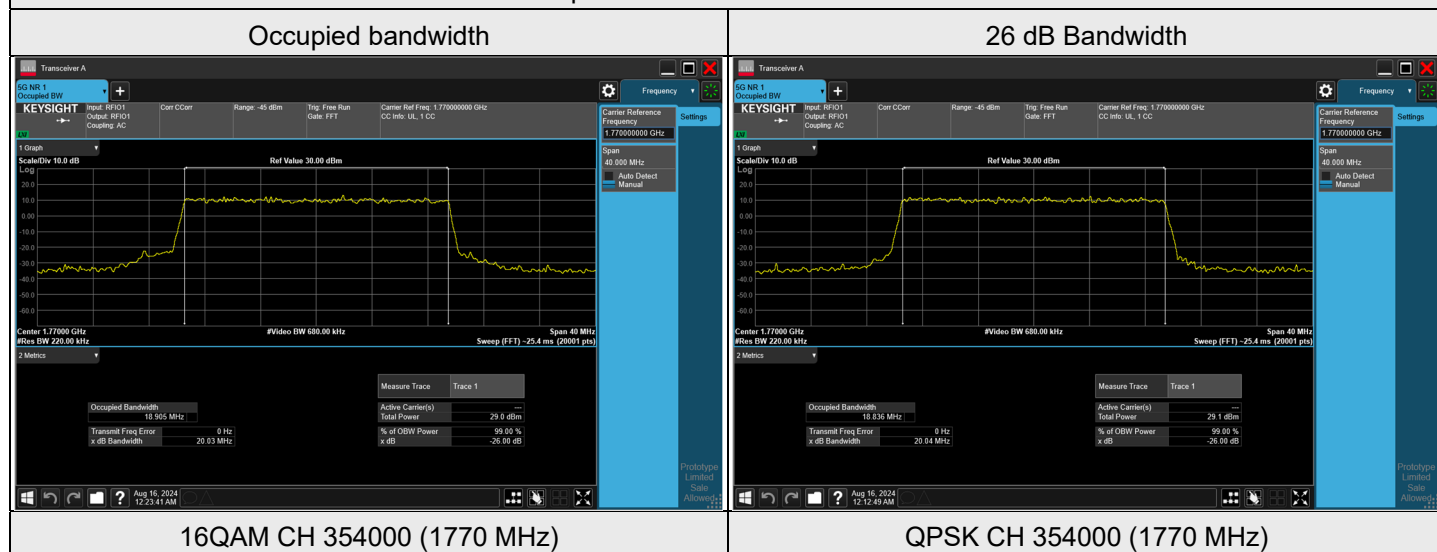
Spectrum Plot of Worst Value



NR n66 SCS 15 kHz, Channel Bandwidth: 20 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	344000	1720	18.753	18.87
BPSK	349000	1745	18.677	18.86
BPSK	354000	1770	18.769	18.78
QPSK	344000	1720	18.837	19.86
QPSK	349000	1745	18.825	19.87
QPSK	354000	1770	18.836	20.04
16QAM	344000	1720	18.896	19.82
16QAM	349000	1745	18.881	19.91
16QAM	354000	1770	18.905	20.03
64QAM	344000	1720	18.893	20.02
64QAM	349000	1745	18.880	19.99
64QAM	354000	1770	18.889	20.01
256QAM	344000	1720	18.849	19.88
256QAM	349000	1745	18.841	19.86
256QAM	354000	1770	18.861	19.85

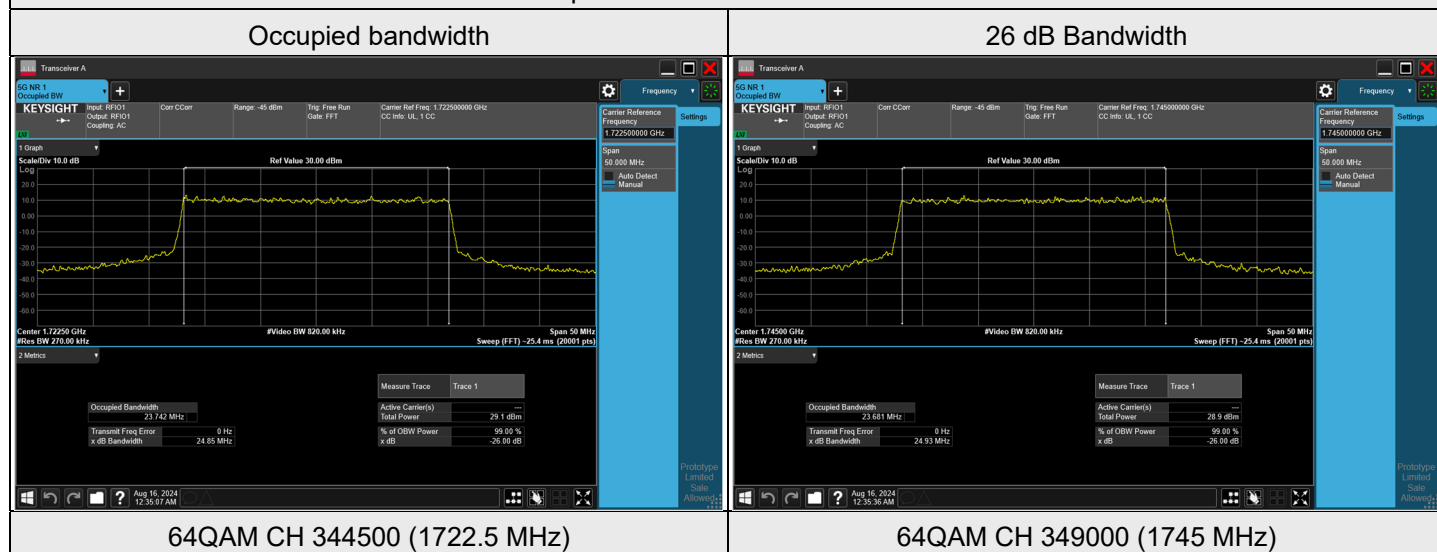
Spectrum Plot of Worst Value



NR n66 SCS 15 kHz, Channel Bandwidth: 25 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	344500	1722.5	23.546	24.04
BPSK	349000	1745	23.415	23.93
BPSK	353500	1767.5	23.571	23.96
QPSK	344500	1722.5	23.717	24.84
QPSK	349000	1745	23.691	24.74
QPSK	353500	1767.5	23.701	24.82
16QAM	344500	1722.5	23.705	24.84
16QAM	349000	1745	23.681	24.73
16QAM	353500	1767.5	23.712	24.76
64QAM	344500	1722.5	23.742	24.85
64QAM	349000	1745	23.681	24.93
64QAM	353500	1767.5	23.720	24.88
256QAM	344500	1722.5	23.707	24.85
256QAM	349000	1745	23.677	24.88
256QAM	353500	1767.5	23.702	24.70

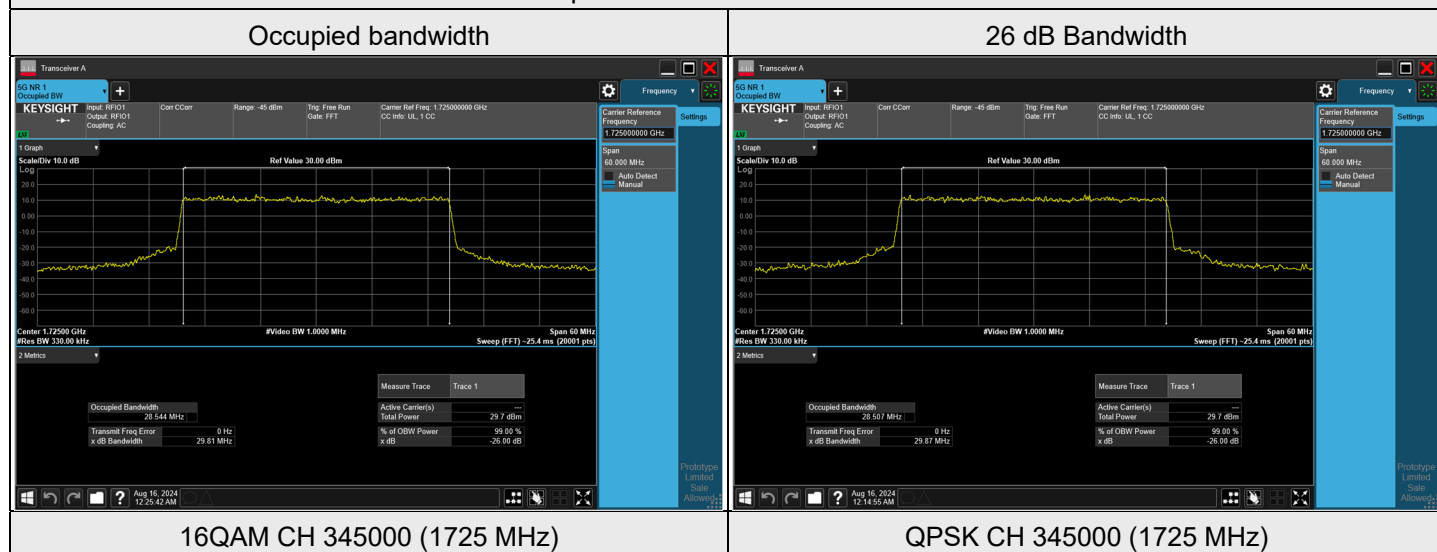
Spectrum Plot of Worst Value



NR n66 SCS 15 kHz, Channel Bandwidth: 30 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	345000	1725	28.495	29.74
BPSK	349000	1745	28.416	29.67
BPSK	353000	1765	28.430	29.85
QPSK	345000	1725	28.507	29.87
QPSK	349000	1745	28.461	29.68
QPSK	353000	1765	28.472	29.65
16QAM	345000	1725	28.544	29.81
16QAM	349000	1745	28.478	29.77
16QAM	353000	1765	28.507	29.63
64QAM	345000	1725	28.483	29.83
64QAM	349000	1745	28.417	29.76
64QAM	353000	1765	28.412	29.83
256QAM	345000	1725	28.496	29.63
256QAM	349000	1745	28.454	29.65
256QAM	353000	1765	28.507	29.61

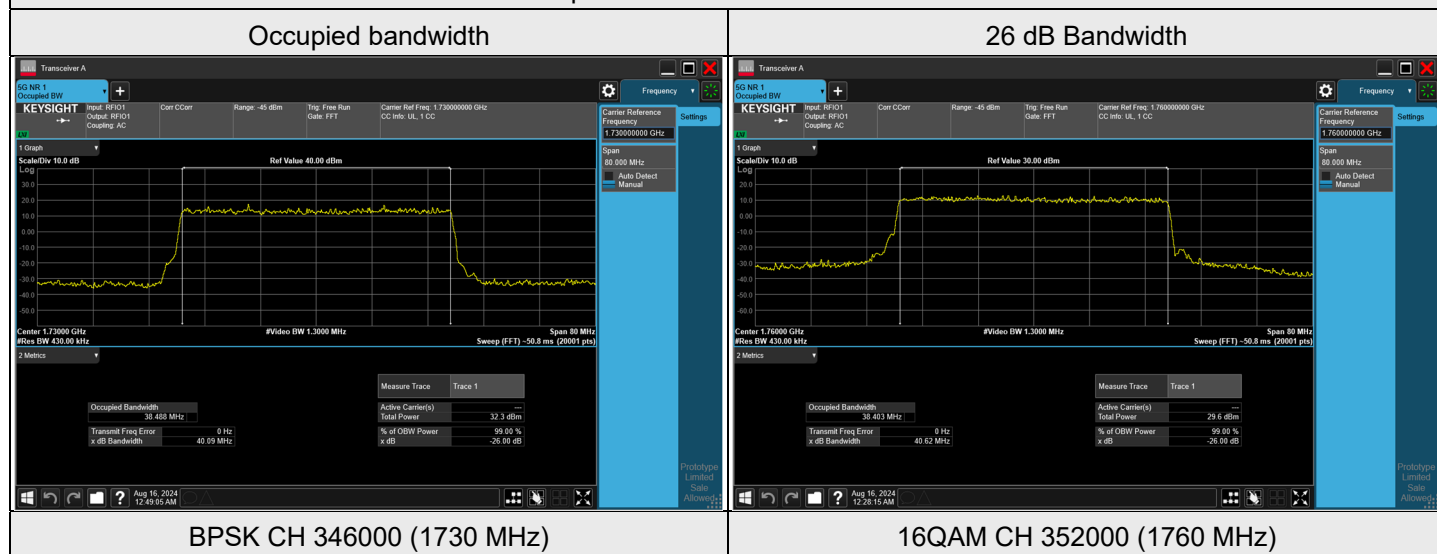
Spectrum Plot of Worst Value



NR n66 SCS 15 kHz, Channel Bandwidth: 40 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	346000	1730	38.488	40.09
BPSK	349000	1745	38.418	39.89
BPSK	352000	1760	38.427	39.94
QPSK	346000	1730	38.417	39.98
QPSK	349000	1745	38.323	39.93
QPSK	352000	1760	38.408	39.93
16QAM	346000	1730	38.467	40.08
16QAM	349000	1745	38.339	39.97
16QAM	352000	1760	38.403	40.62
64QAM	346000	1730	38.449	40.05
64QAM	349000	1745	38.396	39.87
64QAM	352000	1760	38.435	40.02
256QAM	346000	1730	38.473	40.09
256QAM	349000	1745	38.402	40.00
256QAM	352000	1760	38.436	40.00

Spectrum Plot of Worst Value

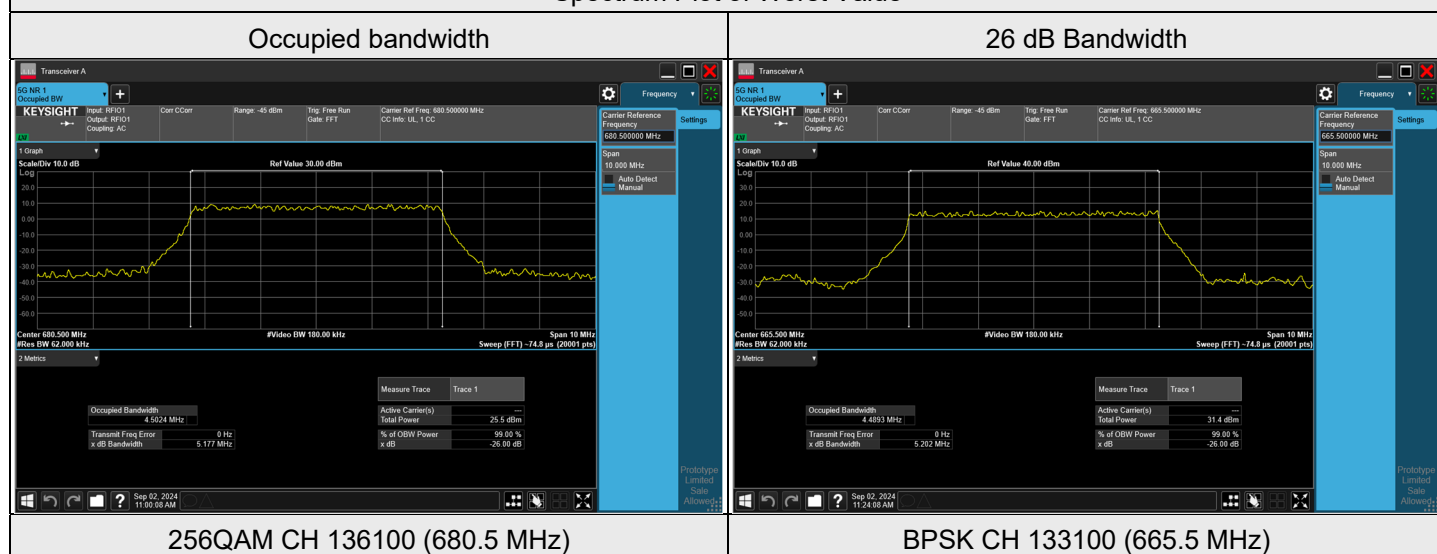


7.4.8 NR n71 SCS 15 kHz

NR n71 SCS 15 kHz, Channel Bandwidth: 5 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	133100	665.5	4.4893	5.202
BPSK	136100	680.5	4.4861	5.084
BPSK	139100	695.5	4.4627	4.823
QPSK	133100	665.5	4.4990	5.122
QPSK	136100	680.5	4.4700	5.013
QPSK	139100	695.5	4.4622	4.824
16QAM	133100	665.5	4.4710	5.089
16QAM	136100	680.5	4.4602	5.125
16QAM	139100	695.5	4.4675	4.813
64QAM	133100	665.5	4.4734	4.909
64QAM	136100	680.5	4.4634	4.939
64QAM	139100	695.5	4.4635	4.798
256QAM	133100	665.5	4.4811	4.996
256QAM	136100	680.5	4.5024	5.177
256QAM	139100	695.5	4.4611	4.768

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	9.1029	9.530
BPSK	136100	680.5	9.1823	9.538
BPSK	138600	693	9.1968	9.481
QPSK	133600	668	9.2586	9.897
QPSK	136100	680.5	9.2861	10.10
QPSK	138600	693	9.2626	10.10
16QAM	133600	668	9.2822	9.940
16QAM	136100	680.5	9.2962	9.971
16QAM	138600	693	9.2686	9.869
64QAM	133600	668	9.2563	10.06
64QAM	136100	680.5	9.2701	10.10
64QAM	138600	693	9.2487	10.01
256QAM	133600	668	9.3068	10.02
256QAM	136100	680.5	9.2822	10.03
256QAM	138600	693	9.2543	10.03

Spectrum Plot of Worst Value

