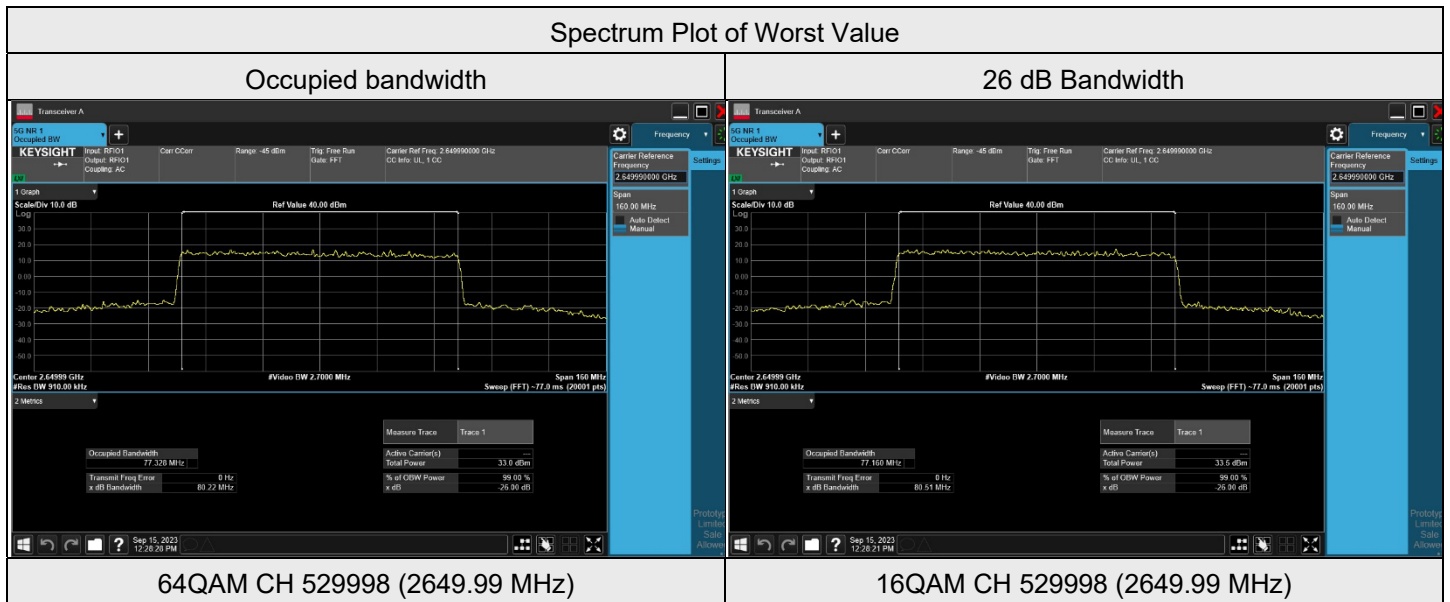




NR n41 SCS 30 kHz, Channel Bandwidth: 80 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	507204	2536.02	76.737	80.08
BPSK	518598	2592.99	76.854	79.80
BPSK	529998	2649.99	76.897	80.06
QPSK	507204	2536.02	77.095	80.13
QPSK	518598	2592.99	77.170	80.25
QPSK	529998	2649.99	77.142	80.18
16QAM	507204	2536.02	77.110	80.23
16QAM	518598	2592.99	77.224	80.33
16QAM	529998	2649.99	77.160	80.51
64QAM	507204	2536.02	76.984	80.20
64QAM	518598	2592.99	77.095	80.43
64QAM	529998	2649.99	77.328	80.22
256QAM	507204	2536.02	77.095	80.16
256QAM	518598	2592.99	77.220	80.26
256QAM	529998	2649.99	77.184	80.38





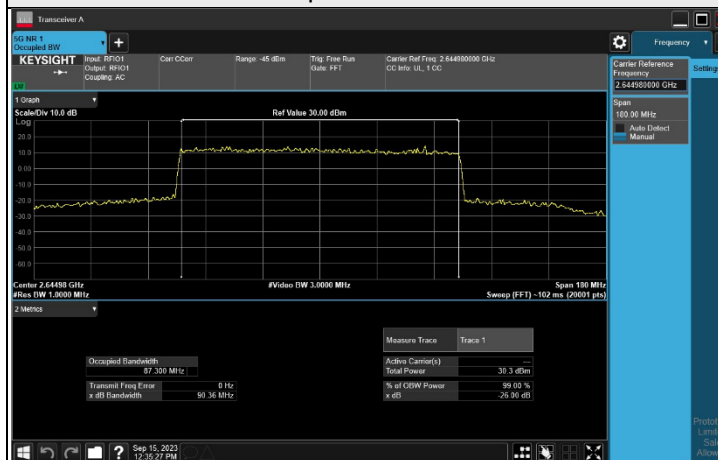
NR n41 SCS 30 kHz, Channel Bandwidth: 90 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	508200	2541	86.496	89.88
BPSK	518598	2592.99	86.749	89.82
BPSK	528996	2644.98	86.708	89.59
QPSK	508200	2541	87.050	90.46
QPSK	518598	2592.99	87.251	90.38
QPSK	528996	2644.98	87.091	90.23
16QAM	508200	2541	86.946	90.23
16QAM	518598	2592.99	87.179	90.23
16QAM	528996	2644.98	86.946	90.33
64QAM	508200	2541	87.067	90.33
64QAM	518598	2592.99	87.215	90.36
64QAM	528996	2644.98	87.160	90.39
256QAM	508200	2541	86.984	90.34
256QAM	518598	2592.99	87.233	90.52
256QAM	528996	2644.98	87.300	90.36

Spectrum Plot of Worst Value

Occupied bandwidth

26 dB Bandwidth



256QAM CH 528996 (2644.98 MHz)

256QAM CH 518598 (2592.99 MHz)



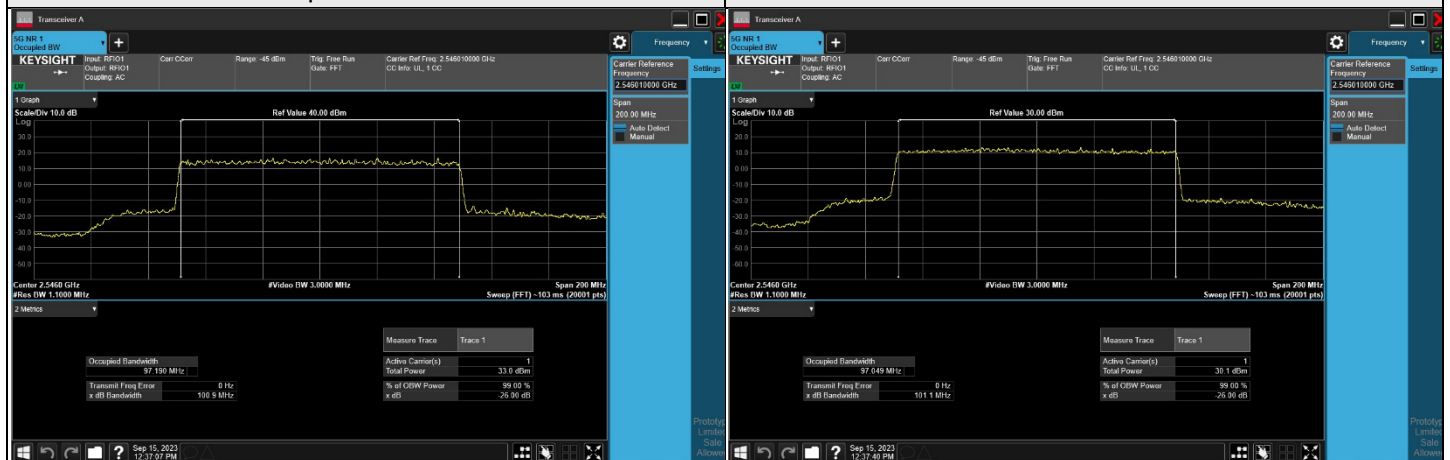
NR n41 SCS 30 kHz, Channel Bandwidth: 100 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	509202	2546.01	96.307	99.65
BPSK	518598	2592.99	96.605	99.58
BPSK	528000	2640	96.428	99.27
QPSK	509202	2546.01	97.025	100.6
QPSK	518598	2592.99	97.128	100.7
QPSK	528000	2640	96.850	100.7
16QAM	509202	2546.01	96.823	100.7
16QAM	518598	2592.99	96.943	100.3
16QAM	528000	2640	96.707	100.5
64QAM	509202	2546.01	97.190	100.9
64QAM	518598	2592.99	97.061	100.7
64QAM	528000	2640	96.824	100.6
256QAM	509202	2546.01	97.049	101.1
256QAM	518598	2592.99	97.183	100.6
256QAM	528000	2640	96.929	101.1

Spectrum Plot of Worst Value

Occupied bandwidth

26 dB Bandwidth



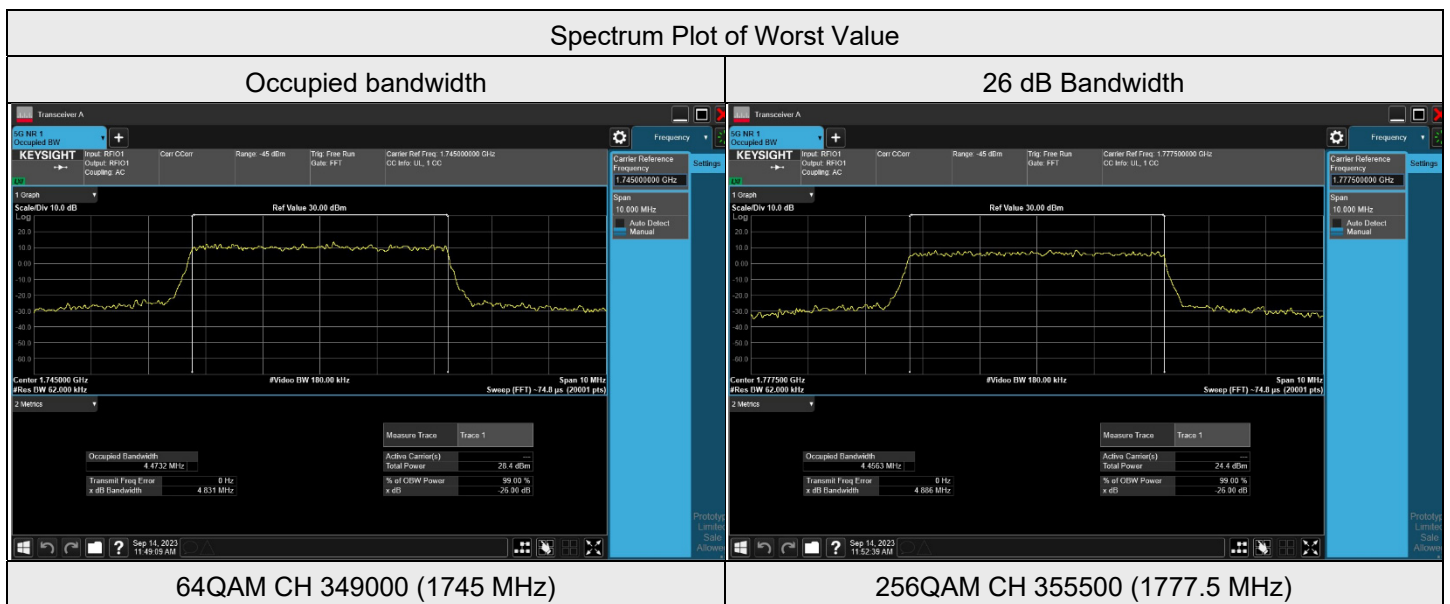
64QAM CH 509202 (2546.01 MHz)

256QAM CH 509202 (2546.01 MHz)

7.4.6 NR n66 SCS 15 kHz

NR n66 SCS 15 kHz, Channel Bandwidth: 5 MHz

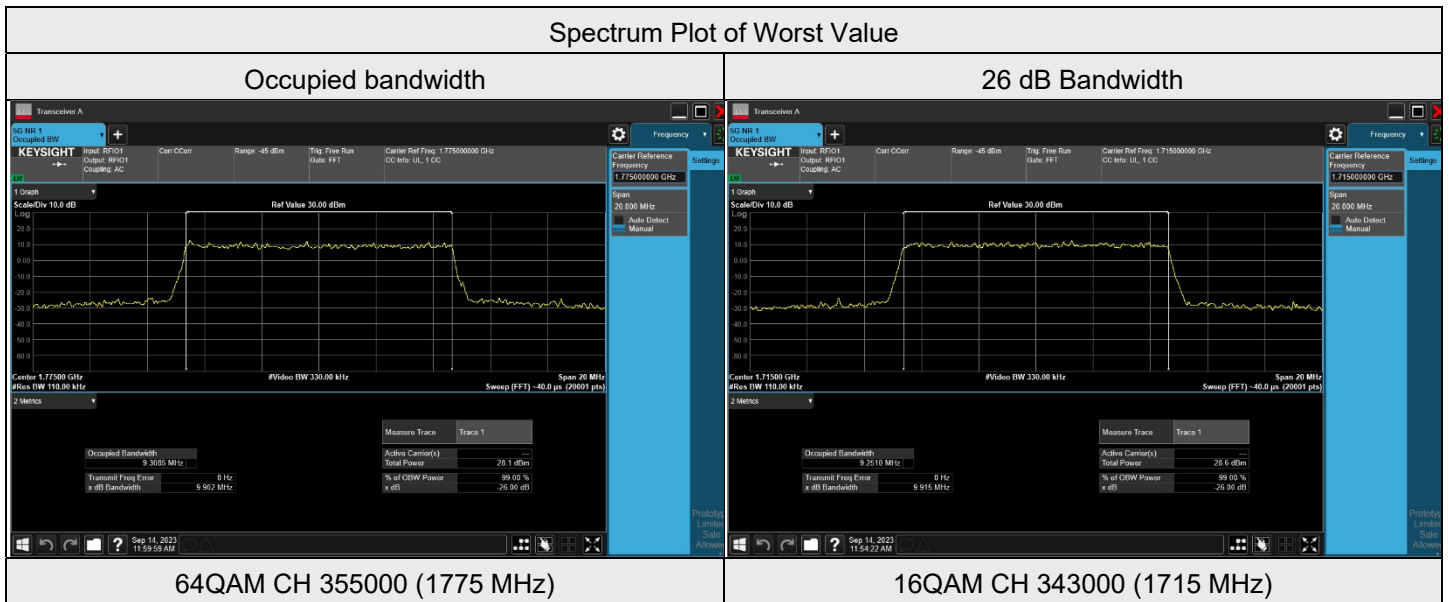
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	342500	1712.5	4.4574	4.830
BPSK	349000	1745	4.4543	4.819
BPSK	355500	1777.5	4.4561	4.813
QPSK	342500	1712.5	4.4574	4.836
QPSK	349000	1745	4.4584	4.807
QPSK	355500	1777.5	4.4594	4.799
16QAM	342500	1712.5	4.4541	4.807
16QAM	349000	1745	4.4562	4.841
16QAM	355500	1777.5	4.4532	4.807
64QAM	342500	1712.5	4.4542	4.749
64QAM	349000	1745	4.4732	4.831
64QAM	355500	1777.5	4.4573	4.828
256QAM	342500	1712.5	4.4541	4.862
256QAM	349000	1745	4.4723	4.859
256QAM	355500	1777.5	4.4563	4.886





NR n66 SCS 15 kHz, Channel Bandwidth: 10 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	343000	1715	9.1548	9.518
BPSK	349000	1745	9.1746	9.592
BPSK	355000	1775	9.1743	9.460
QPSK	343000	1715	9.2447	9.732
QPSK	349000	1745	9.2765	9.807
QPSK	355000	1775	9.2561	9.716
16QAM	343000	1715	9.2510	9.915
16QAM	349000	1745	9.2388	9.807
16QAM	355000	1775	9.2424	9.879
64QAM	343000	1715	9.3067	9.883
64QAM	349000	1745	9.2809	9.791
64QAM	355000	1775	9.3085	9.902
256QAM	343000	1715	9.2610	9.802
256QAM	349000	1745	9.2704	9.860
256QAM	355000	1775	9.2867	9.732





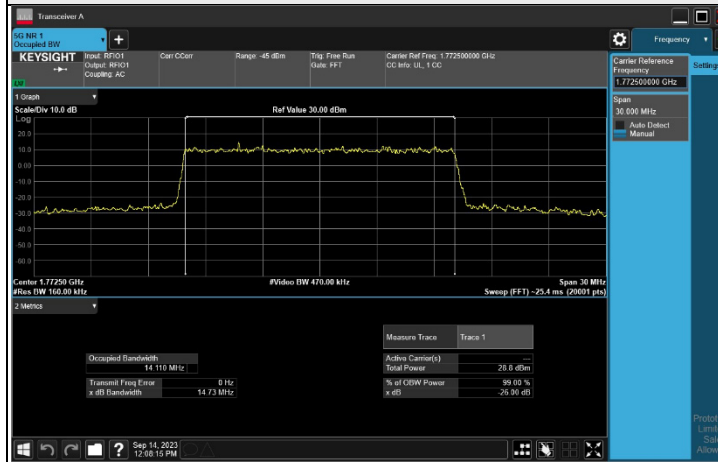
NR n66 SCS 15 kHz, Channel Bandwidth: 15 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	343500	1717.5	14.002	14.13
BPSK	349000	1745	13.945	14.12
BPSK	354500	1772.5	14.046	14.22
QPSK	343500	1717.5	14.074	14.77
QPSK	349000	1745	14.053	14.78
QPSK	354500	1772.5	14.080	14.75
16QAM	343500	1717.5	14.089	14.74
16QAM	349000	1745	14.089	14.80
16QAM	354500	1772.5	14.100	14.82
64QAM	343500	1717.5	14.077	14.78
64QAM	349000	1745	14.074	14.82
64QAM	354500	1772.5	14.110	14.73
256QAM	343500	1717.5	14.062	14.75
256QAM	349000	1745	14.070	14.84
256QAM	354500	1772.5	14.065	14.76

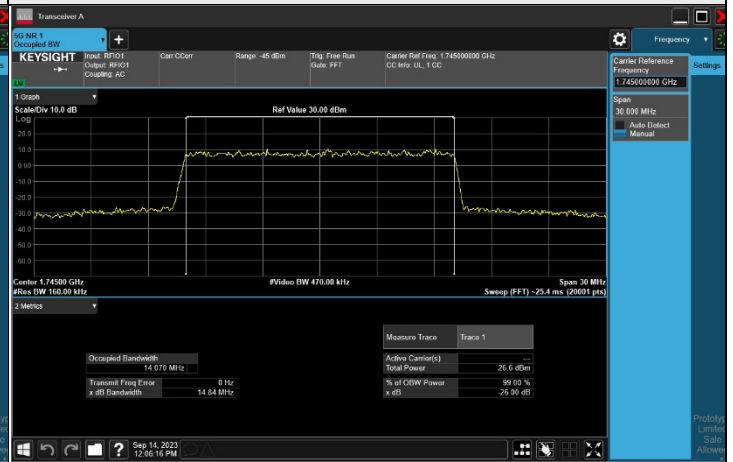
Spectrum Plot of Worst Value

Occupied bandwidth

26 dB Bandwidth



64QAM CH 354500 (1772.5 MHz)



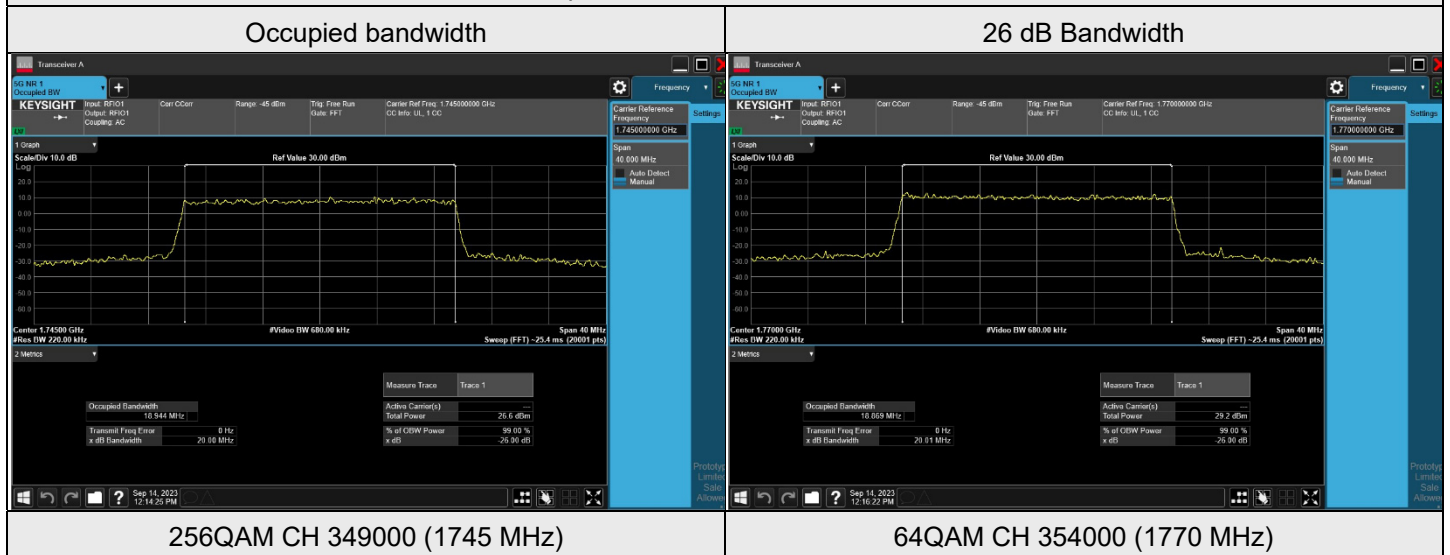
256QAM CH 349000 (1745 MHz)



NR n66 SCS 15 kHz, Channel Bandwidth: 20 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	344000	1720	18.746	19.10
BPSK	349000	1745	18.674	19.11
BPSK	354000	1770	18.749	18.47
QPSK	344000	1720	18.897	19.81
QPSK	349000	1745	18.836	19.80
QPSK	354000	1770	18.905	19.82
16QAM	344000	1720	18.853	19.94
16QAM	349000	1745	18.877	19.89
16QAM	354000	1770	18.856	20.00
64QAM	344000	1720	18.898	19.72
64QAM	349000	1745	18.868	19.88
64QAM	354000	1770	18.869	20.01
256QAM	344000	1720	18.854	19.91
256QAM	349000	1745	18.944	20.00
256QAM	354000	1770	18.869	19.98

Spectrum Plot of Worst Value





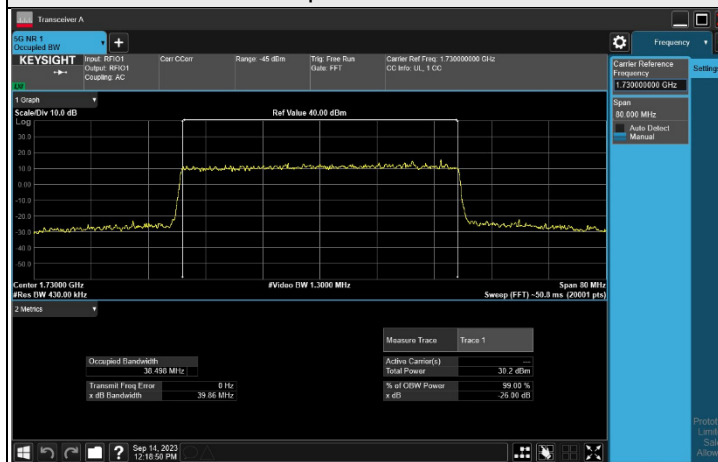
NR n66 SCS 15 kHz, Channel Bandwidth: 40 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	346000	1730	38.435	39.97
BPSK	349000	1745	38.377	39.95
BPSK	352000	1760	38.457	40.03
QPSK	346000	1730	38.396	39.91
QPSK	349000	1745	38.368	40.11
QPSK	352000	1760	38.377	40.05
16QAM	346000	1730	38.498	39.86
16QAM	349000	1745	38.449	39.97
16QAM	352000	1760	38.472	39.83
64QAM	346000	1730	38.419	40.12
64QAM	349000	1745	38.308	39.76
64QAM	352000	1760	38.344	39.77
256QAM	346000	1730	38.369	40.09
256QAM	349000	1745	38.346	39.96
256QAM	352000	1760	38.331	39.93

Spectrum Plot of Worst Value

Occupied bandwidth

26 dB Bandwidth



16QAM CH 346000 (1730 MHz)

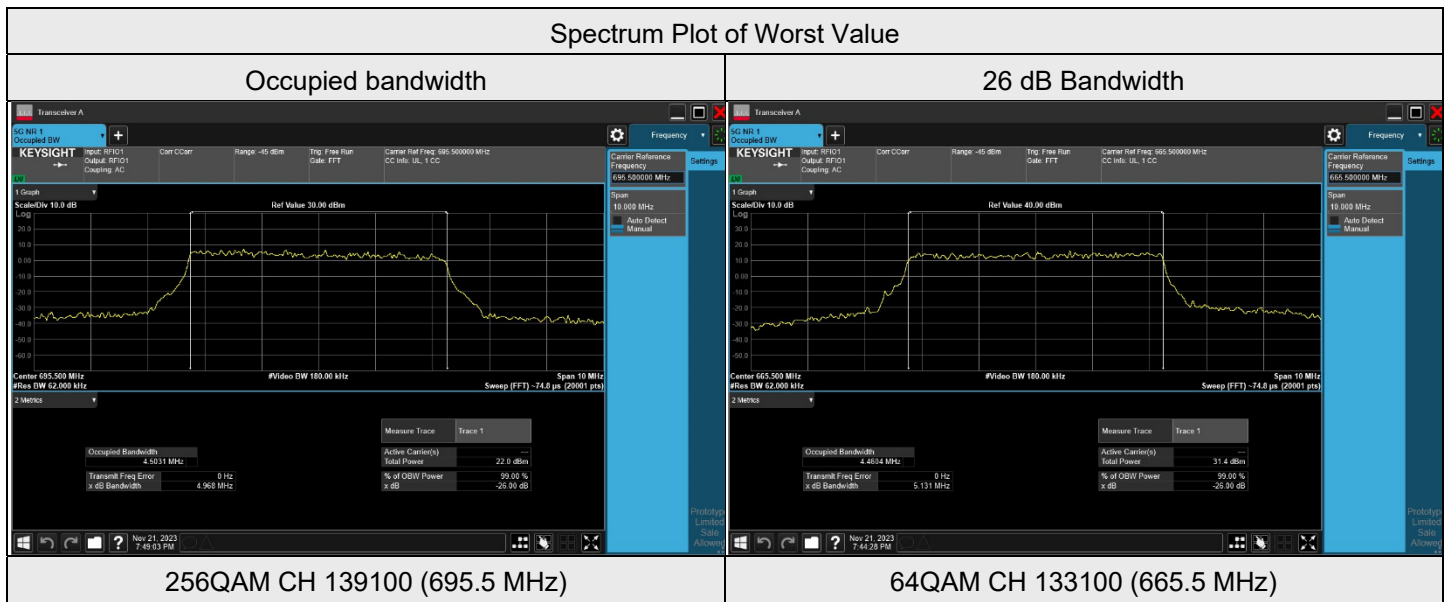


64QAM CH 346000 (1730 MHz)

7.4.7 NR n71 SCS 15 kHz

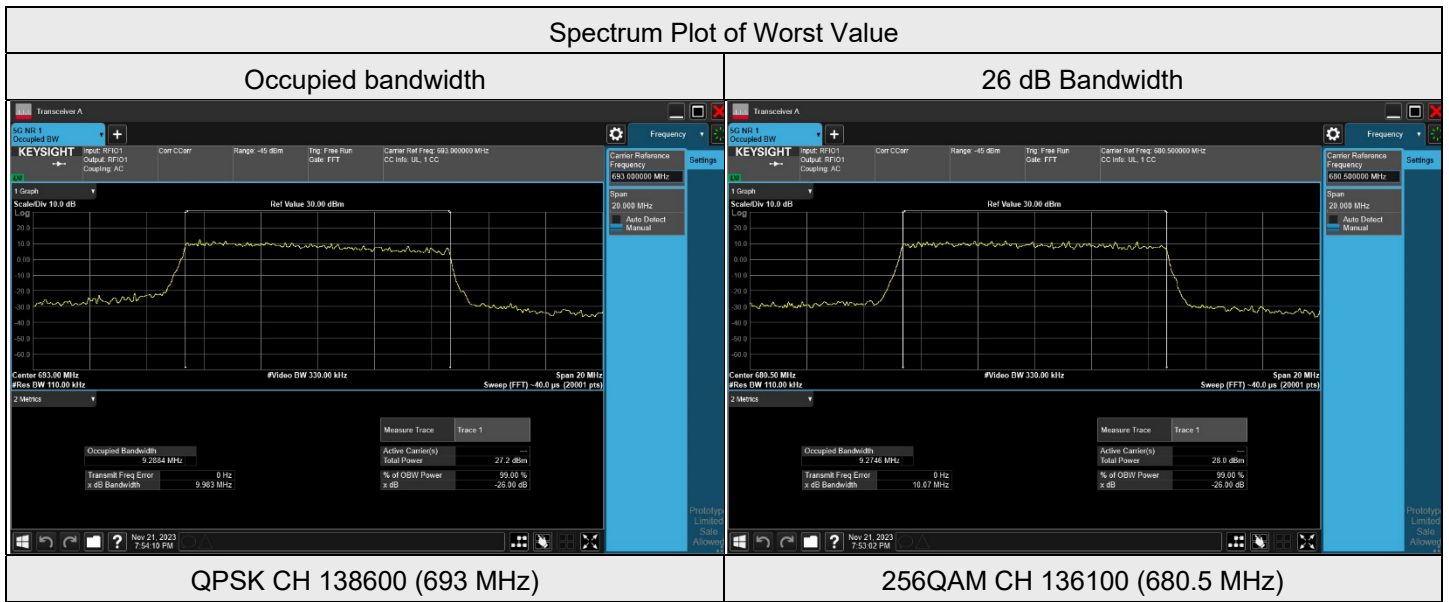
NR n71 SCS 15 kHz, Channel Bandwidth: 5 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	133100	665.5	4.4792	5.002
BPSK	136100	680.5	4.4810	4.994
BPSK	139100	695.5	4.4854	5.002
QPSK	133100	665.5	4.4625	4.985
QPSK	136100	680.5	4.4870	4.959
QPSK	139100	695.5	4.4673	5.046
16QAM	133100	665.5	4.4784	4.918
16QAM	136100	680.5	4.4554	4.949
16QAM	139100	695.5	4.4692	5.012
64QAM	133100	665.5	4.4604	5.131
64QAM	136100	680.5	4.4754	4.962
64QAM	139100	695.5	4.4952	4.944
256QAM	133100	665.5	4.4761	5.058
256QAM	136100	680.5	4.4754	5.052
256QAM	139100	695.5	4.5031	4.968



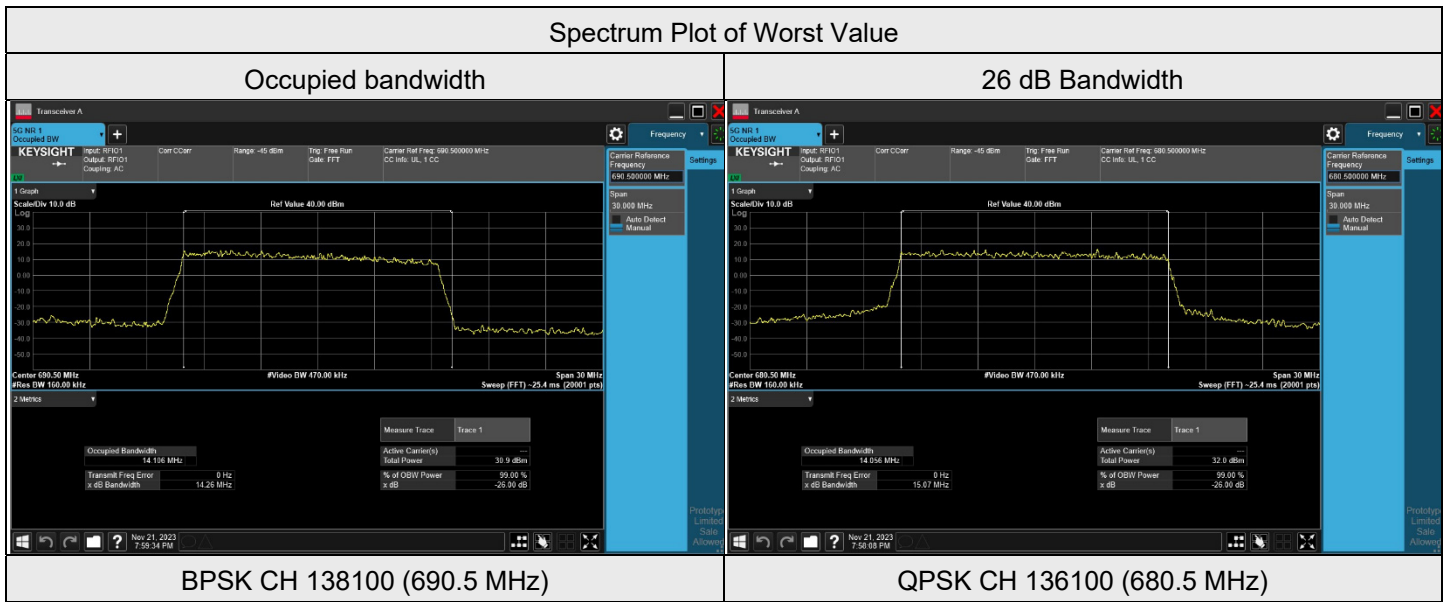
NR n71 SCS 15 kHz, Channel Bandwidth: 10 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	133600	668	9.0910	9.526
BPSK	136100	680.5	9.1883	9.542
BPSK	138600	693	9.2222	9.549
QPSK	133600	668	9.2526	9.878
QPSK	136100	680.5	9.2705	10.04
QPSK	138600	693	9.2884	9.983
16QAM	133600	668	9.2548	9.826
16QAM	136100	680.5	9.2708	9.875
16QAM	138600	693	9.2867	9.887
64QAM	133600	668	9.2484	10.01
64QAM	136100	680.5	9.2566	10.01
64QAM	138600	693	9.2650	9.923
256QAM	133600	668	9.2709	9.911
256QAM	136100	680.5	9.2746	10.07
256QAM	138600	693	9.2823	9.958



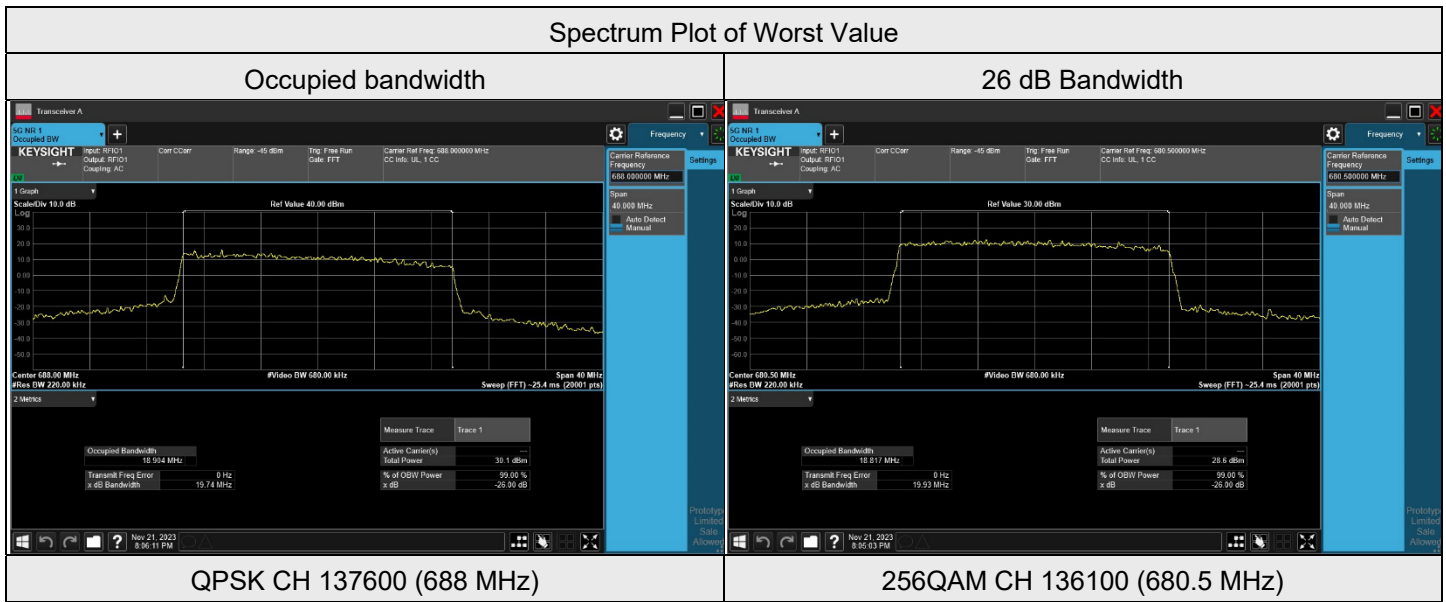
NR n71 SCS 15 kHz, Channel Bandwidth: 15 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	134100	670.5	13.806	14.28
BPSK	136100	680.5	14.038	14.20
BPSK	138100	690.5	14.106	14.26
QPSK	134100	670.5	14.014	14.83
QPSK	136100	680.5	14.056	15.07
QPSK	138100	690.5	14.082	14.91
16QAM	134100	670.5	14.035	14.91
16QAM	136100	680.5	14.050	14.83
16QAM	138100	690.5	14.074	14.79
64QAM	134100	670.5	14.010	14.90
64QAM	136100	680.5	14.005	14.65
64QAM	138100	690.5	14.047	14.83
256QAM	134100	670.5	14.020	14.80
256QAM	136100	680.5	14.032	14.99
256QAM	138100	690.5	14.065	14.78



NR n71 SCS 15 kHz, Channel Bandwidth: 20 MHz

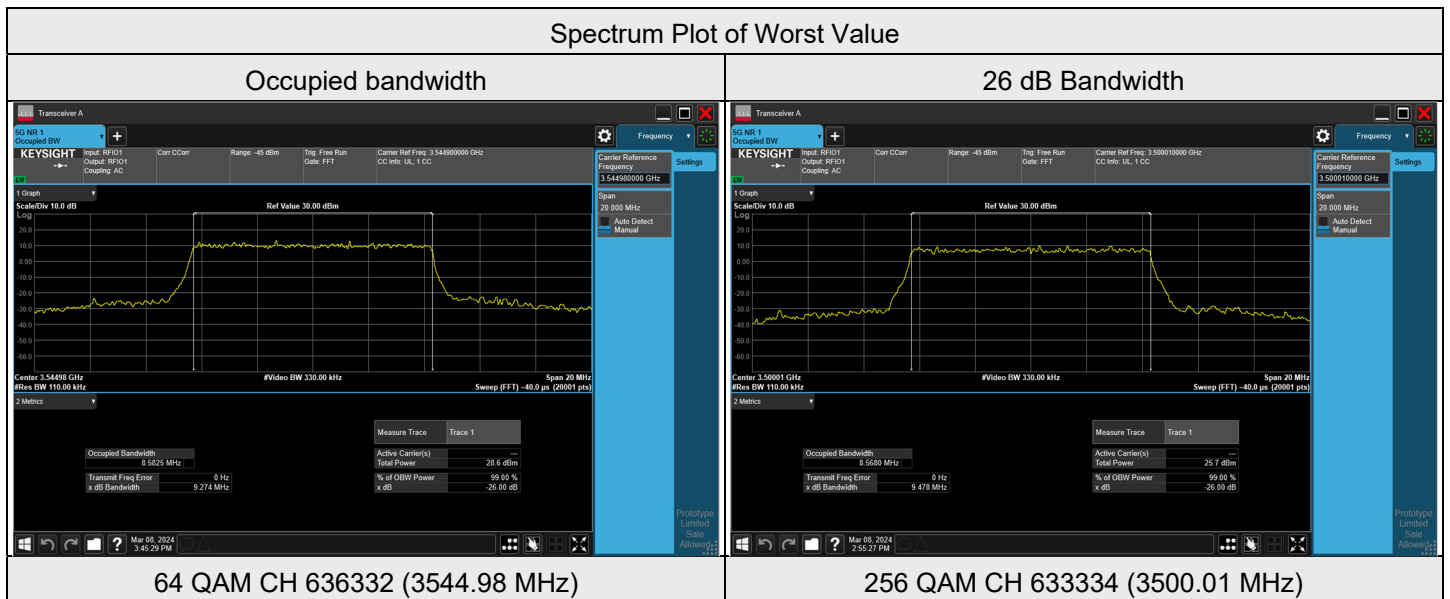
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	134600	673	18.382	18.64
BPSK	136100	680.5	18.770	18.79
BPSK	137600	688	18.885	18.74
QPSK	134600	673	18.701	19.85
QPSK	136100	680.5	18.864	19.85
QPSK	137600	688	18.904	19.74
16QAM	134600	673	18.752	19.71
16QAM	136100	680.5	18.808	19.83
16QAM	137600	688	18.848	19.83
64QAM	134600	673	18.768	19.82
64QAM	136100	680.5	18.841	19.86
64QAM	137600	688	18.868	19.76
256QAM	134600	673	18.752	19.87
256QAM	136100	680.5	18.817	19.93
256QAM	137600	688	18.849	19.82



7.4.8 NR n77 (3450-3550 MHz) SCS 30 kHz (PC2)

NR n77 SCS 30 kHz (3450-3550 MHz), Channel Bandwidth: 10 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	630334	3455.01	8.5388	9.389
BPSK	633334	3500.01	8.5366	9.254
BPSK	636332	3544.98	8.5462	9.380
QPSK	630334	3455.01	8.5530	9.276
QPSK	633334	3500.01	8.5662	9.349
QPSK	636332	3544.98	8.5748	9.454
16 QAM	630334	3455.01	8.5525	9.320
16 QAM	633334	3500.01	8.5662	9.308
16 QAM	636332	3544.98	8.5623	9.306
64 QAM	630334	3455.01	8.5761	9.311
64 QAM	633334	3500.01	8.5765	9.228
64 QAM	636332	3544.98	8.5825	9.274
256 QAM	630334	3455.01	8.5510	9.268
256 QAM	633334	3500.01	8.5680	9.478
256 QAM	636332	3544.98	8.5490	9.305

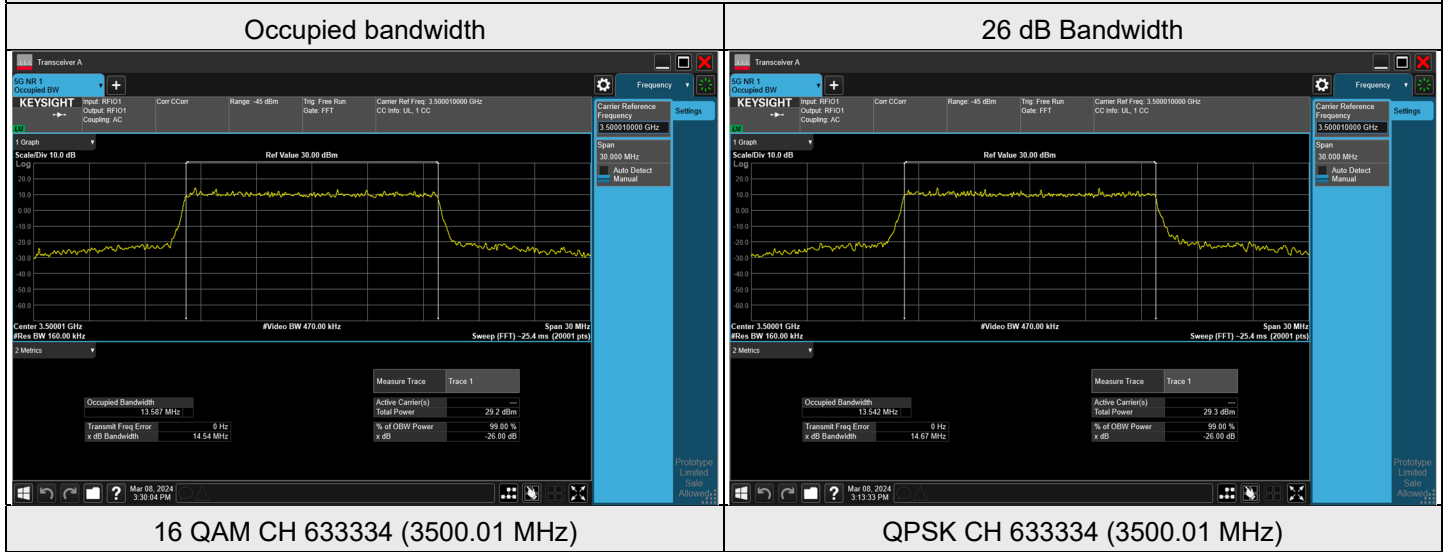




NR n77 SCS 30 kHz (3450-3550 MHz), Channel Bandwidth: 15 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	630500	3457.5	13.488	13.79
BPSK	633334	3500.01	13.425	13.82
BPSK	636166	3542.49	13.417	13.89
QPSK	630500	3457.5	13.528	14.51
QPSK	633334	3500.01	13.542	14.67
QPSK	636166	3542.49	13.534	14.46
16 QAM	630500	3457.5	13.561	14.56
16 QAM	633334	3500.01	13.587	14.54
16 QAM	636166	3542.49	13.548	14.45
64 QAM	630500	3457.5	13.546	14.56
64 QAM	633334	3500.01	13.540	14.40
64 QAM	636166	3542.49	13.564	14.56
256 QAM	630500	3457.5	13.507	14.47
256 QAM	633334	3500.01	13.552	14.40
256 QAM	636166	3542.49	13.549	14.52

Spectrum Plot of Worst Value





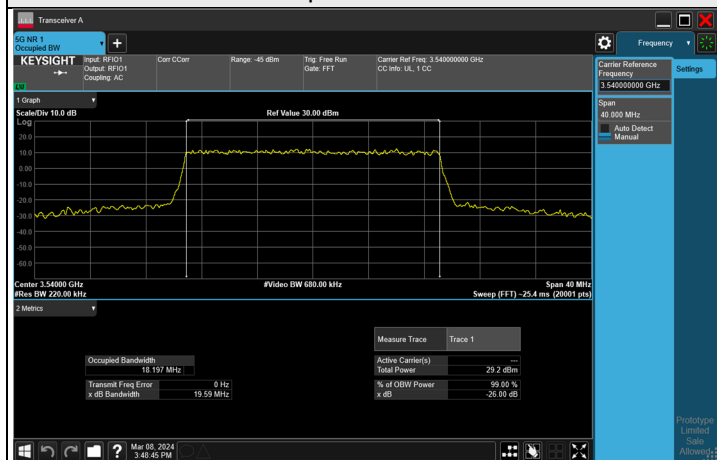
NR n77 SCS 30 kHz (3450-3550 MHz), Channel Bandwidth: 20 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	630668	3460.02	17.954	18.92
BPSK	633334	3500.01	17.981	19.08
BPSK	636000	3540	18.010	19.03
QPSK	630668	3460.02	18.169	19.38
QPSK	633334	3500.01	18.169	19.54
QPSK	636000	3540	18.165	19.49
16 QAM	630668	3460.02	18.114	19.17
16 QAM	633334	3500.01	18.150	19.88
16 QAM	636000	3540	18.132	19.25
64 QAM	630668	3460.02	18.165	19.22
64 QAM	633334	3500.01	18.193	19.48
64 QAM	636000	3540	18.197	19.59
256 QAM	630668	3460.02	18.153	19.53
256 QAM	633334	3500.01	18.142	19.39
256 QAM	636000	3540	18.157	19.31

Spectrum Plot of Worst Value

Occupied bandwidth

26 dB Bandwidth

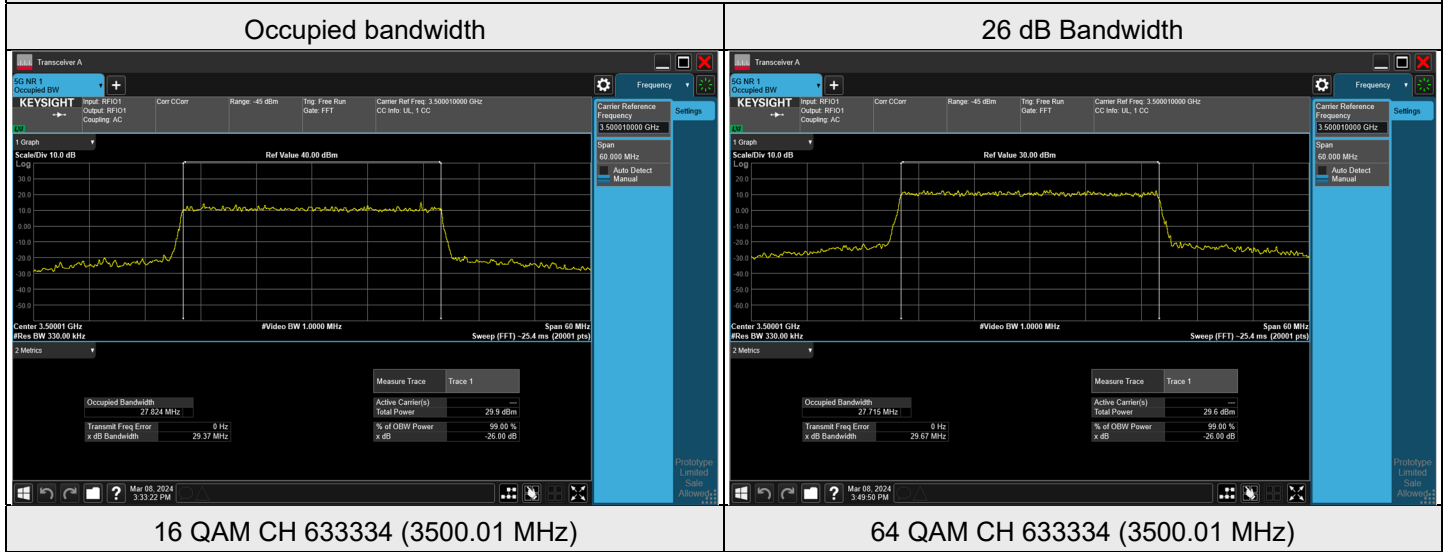




NR n77 SCS 30 kHz (3450-3550 MHz), Channel Bandwidth: 30 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	631000	3465	27.361	28.66
BPSK	633334	3500.01	27.506	28.48
BPSK	635666	3534.99	27.453	28.45
QPSK	631000	3465	27.740	29.49
QPSK	633334	3500.01	27.740	29.36
QPSK	635666	3534.99	27.734	29.44
16 QAM	631000	3465	27.776	29.49
16 QAM	633334	3500.01	27.824	29.37
16 QAM	635666	3534.99	27.786	29.41
64 QAM	631000	3465	27.819	29.52
64 QAM	633334	3500.01	27.715	29.67
64 QAM	635666	3534.99	27.717	29.62
256 QAM	631000	3465	27.722	29.09
256 QAM	633334	3500.01	27.745	29.38
256 QAM	635666	3534.99	27.739	29.39

Spectrum Plot of Worst Value



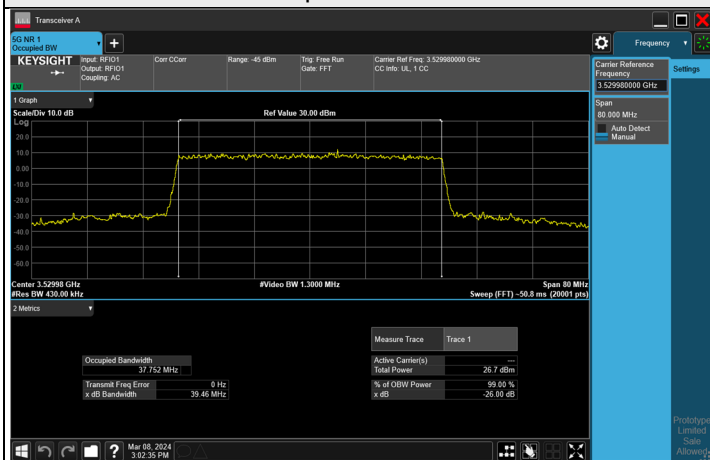


NR n77 SCS 30 kHz (3450-3550 MHz), Channel Bandwidth: 40 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	631334	3470.01	37.346	37.48
BPSK	633334	3500.01	37.388	37.53
BPSK	635332	3529.98	37.339	37.59
QPSK	631334	3470.01	37.706	39.49
QPSK	633334	3500.01	37.723	39.48
QPSK	635332	3529.98	37.716	39.45
16 QAM	631334	3470.01	37.713	39.67
16 QAM	633334	3500.01	37.707	39.66
16 QAM	635332	3529.98	37.715	39.62
64 QAM	631334	3470.01	37.680	39.62
64 QAM	633334	3500.01	37.729	39.59
64 QAM	635332	3529.98	37.681	39.59
256 QAM	631334	3470.01	37.691	39.49
256 QAM	633334	3500.01	37.736	39.57
256 QAM	635332	3529.98	37.752	39.46

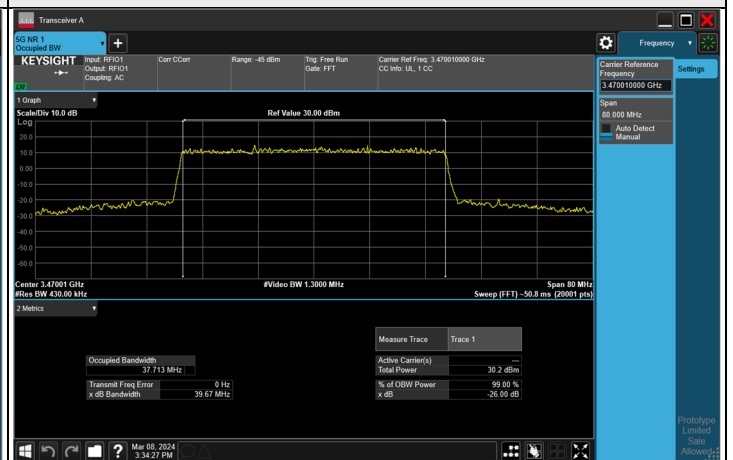
Spectrum Plot of Worst Value

Occupied bandwidth



256 QAM CH 635332 (3529.98 MHz)

26 dB Bandwidth

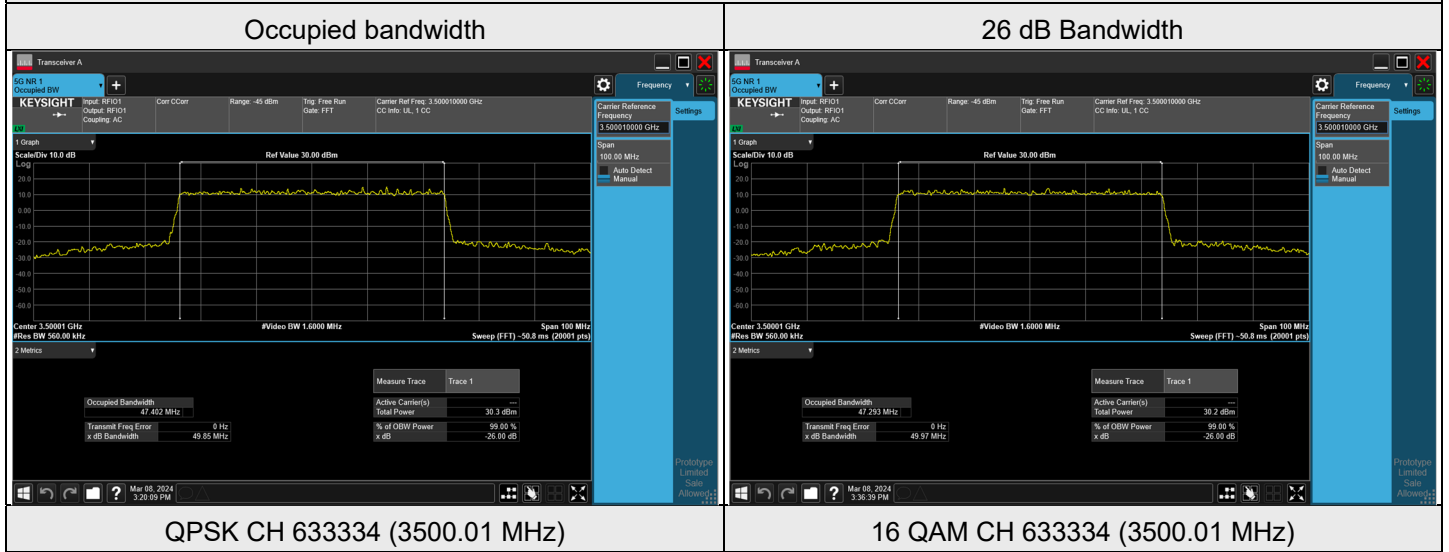


16 QAM CH 631334 (3470.01 MHz)

NR n77 SCS 30 kHz (3450-3550 MHz), Channel Bandwidth: 50 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	631668	3475.02	47.061	48.26
BPSK	633334	3500.01	47.103	48.27
BPSK	635000	3525	46.893	48.19
QPSK	631668	3475.02	47.312	49.40
QPSK	633334	3500.01	47.402	49.85
QPSK	635000	3525	47.393	49.84
16 QAM	631668	3475.02	47.293	49.62
16 QAM	633334	3500.01	47.293	49.97
16 QAM	635000	3525	47.344	49.68
64 QAM	631668	3475.02	47.321	49.66
64 QAM	633334	3500.01	47.375	49.64
64 QAM	635000	3525	47.263	49.85
256 QAM	631668	3475.02	47.303	49.86
256 QAM	633334	3500.01	47.265	49.63
256 QAM	635000	3525	47.273	49.92

Spectrum Plot of Worst Value



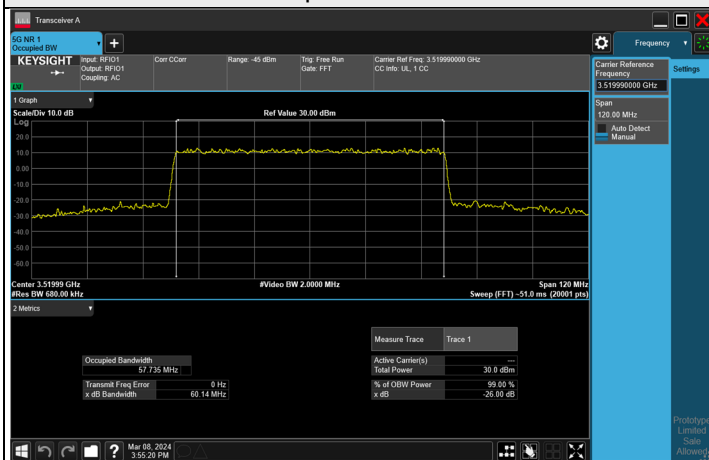


NR n77 SCS 30 kHz (3450-3550 MHz), Channel Bandwidth: 60 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	632000	3480	57.629	60.27
BPSK	633334	3500.01	57.688	60.33
BPSK	634666	3519.99	57.666	60.16
QPSK	632000	3480	57.709	59.83
QPSK	633334	3500.01	57.688	59.84
QPSK	634666	3519.99	57.724	60.01
16 QAM	632000	3480	57.618	60.07
16 QAM	633334	3500.01	57.545	60.15
16 QAM	634666	3519.99	57.649	60.07
64 QAM	632000	3480	57.697	60.09
64 QAM	633334	3500.01	57.733	60.21
64 QAM	634666	3519.99	57.735	60.14
256 QAM	632000	3480	57.660	60.05
256 QAM	633334	3500.01	57.639	59.94
256 QAM	634666	3519.99	57.625	59.90

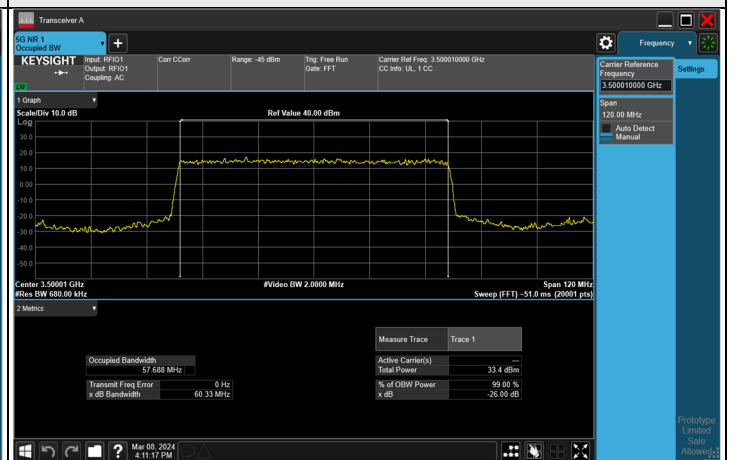
Spectrum Plot of Worst Value

Occupied bandwidth



64 QAM CH 634666 (3519.99 MHz)

26 dB Bandwidth



BPSK CH 633334 (3500.01 MHz)

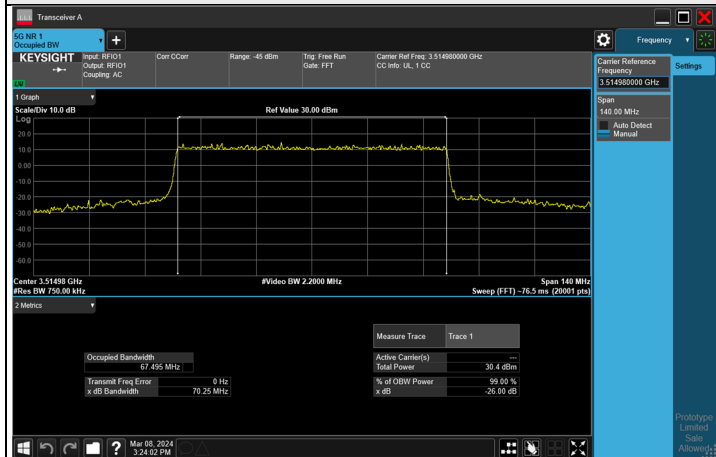


NR n77 SCS 30 kHz (3450-3550 MHz), Channel Bandwidth: 70 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	632334	3485.01	66.431	67.18
BPSK	633334	3500.01	66.561	67.39
BPSK	634332	3514.98	66.727	67.25
QPSK	632334	3485.01	67.374	69.97
QPSK	633334	3500.01	67.371	70.34
QPSK	634332	3514.98	67.495	70.25
16 QAM	632334	3485.01	67.247	70.47
16 QAM	633334	3500.01	67.286	70.09
16 QAM	634332	3514.98	67.271	70.22
64 QAM	632334	3485.01	67.076	70.15
64 QAM	633334	3500.01	67.106	70.52
64 QAM	634332	3514.98	67.159	70.26
256 QAM	632334	3485.01	67.214	70.38
256 QAM	633334	3500.01	67.275	70.52
256 QAM	634332	3514.98	67.300	71.01

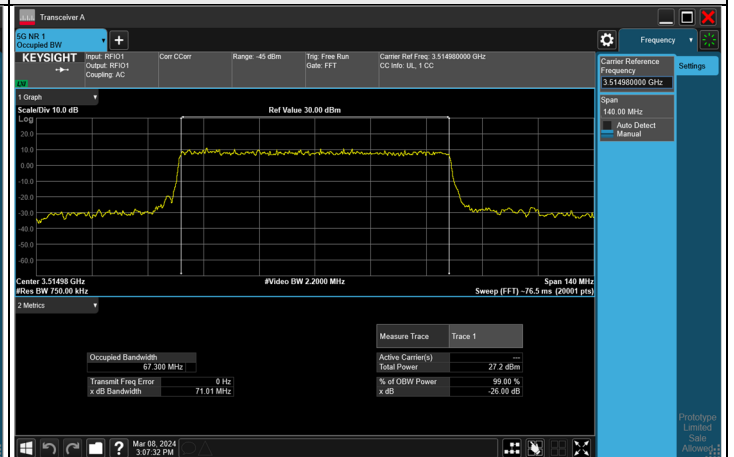
Spectrum Plot of Worst Value

Occupied bandwidth



QPSK CH 634332 (3514.98 MHz)

26 dB Bandwidth



256 QAM CH 634332 (3514.98 MHz)



NR n77 SCS 30 kHz (3450-3550 MHz), Channel Bandwidth: 80 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	632668	3490.02	76.821	80.08
BPSK	633334	3500.01	76.869	79.84
BPSK	634000	3510	77.063	80.02
QPSK	632668	3490.02	77.156	80.27
QPSK	633334	3500.01	77.222	80.32
QPSK	634000	3510	77.173	80.33
16 QAM	632668	3490.02	77.350	80.56
16 QAM	633334	3500.01	77.442	80.50
16 QAM	634000	3510	77.412	80.71
64 QAM	632668	3490.02	77.089	80.29
64 QAM	633334	3500.01	77.094	80.39
64 QAM	634000	3510	77.219	80.20
256 QAM	632668	3490.02	77.094	80.34
256 QAM	633334	3500.01	77.095	80.10
256 QAM	634000	3510	77.203	80.09

Spectrum Plot of Worst Value

Occupied bandwidth



16 QAM CH 633334 (3500.01 MHz)

26 dB Bandwidth



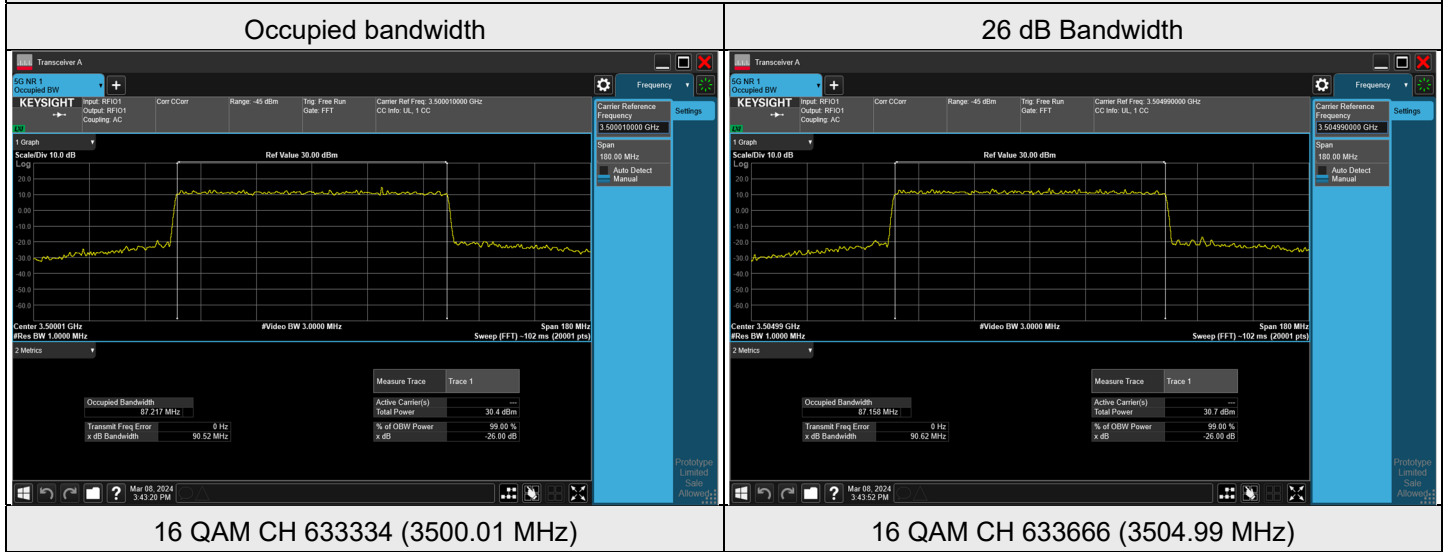
16 QAM CH 634000 (3510 MHz)



NR n77 SCS 30 kHz (3450-3550 MHz), Channel Bandwidth: 90 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	633000	3495	86.352	89.65
BPSK	633334	3500.01	86.491	89.54
BPSK	633666	3504.99	86.442	89.71
QPSK	633000	3495	86.960	90.10
QPSK	633334	3500.01	87.066	90.23
QPSK	633666	3504.99	86.979	90.16
16 QAM	633000	3495	87.213	90.38
16 QAM	633334	3500.01	87.217	90.52
16 QAM	633666	3504.99	87.158	90.62
64 QAM	633000	3495	87.158	90.31
64 QAM	633334	3500.01	87.196	90.52
64 QAM	633666	3504.99	87.194	90.60
256 QAM	633000	3495	87.177	90.21
256 QAM	633334	3500.01	87.162	90.28
256 QAM	633666	3504.99	87.176	90.32

Spectrum Plot of Worst Value





NR n77 SCS 30 kHz (3450-3550 MHz), Channel Bandwidth: 100 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	633334	3500.01	96.161	99.85
QPSK	633334	3500.01	97.129	100.9
16 QAM	633334	3500.01	97.149	100.8
64 QAM	633334	3500.01	97.074	100.7
256 QAM	633334	3500.01	97.155	100.9

