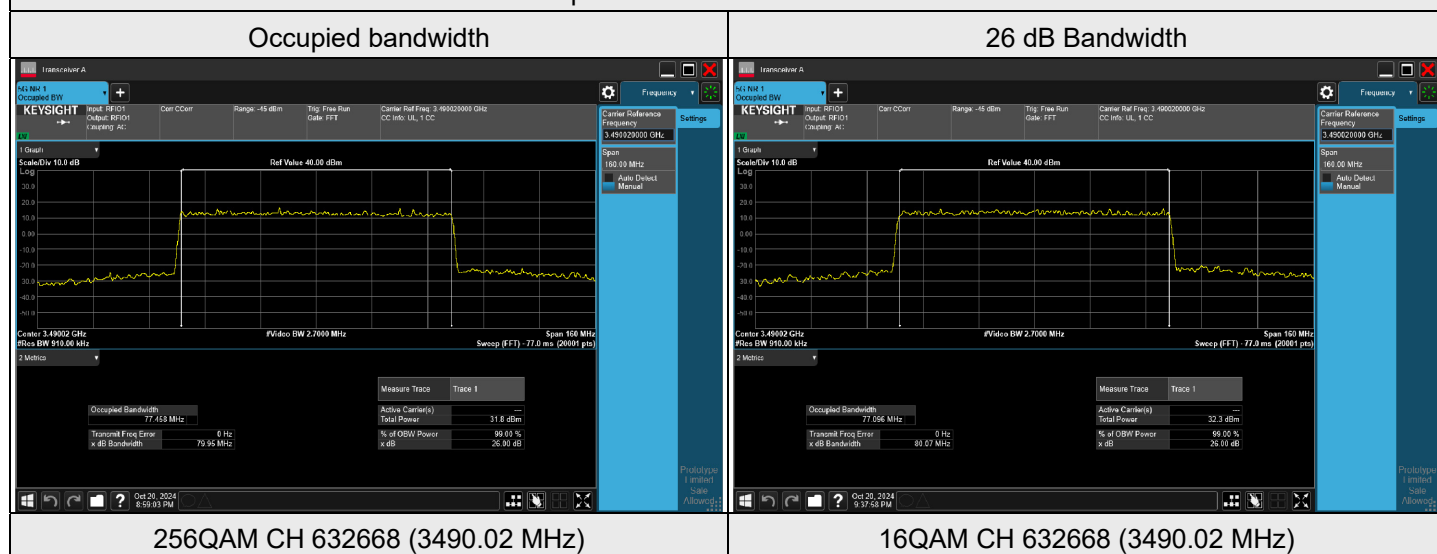


NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) - MIMO-Ant 1, Channel Bandwidth: 80 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	632668	3490.02	76.791	79.61
BPSK	633334	3500.01	76.914	79.67
BPSK	634000	3510	76.837	79.68
QPSK	632668	3490.02	77.186	79.95
QPSK	633334	3500.01	77.186	79.94
QPSK	634000	3510	77.233	80.02
16QAM	632668	3490.02	77.096	80.07
16QAM	633334	3500.01	77.157	79.74
16QAM	634000	3510	77.095	80.03
64QAM	632668	3490.02	77.126	79.88
64QAM	633334	3500.01	77.041	79.92
64QAM	634000	3510	77.363	80.01
256QAM	632668	3490.02	77.458	79.95
256QAM	633334	3500.01	77.188	80.02
256QAM	634000	3510	77.266	80.03

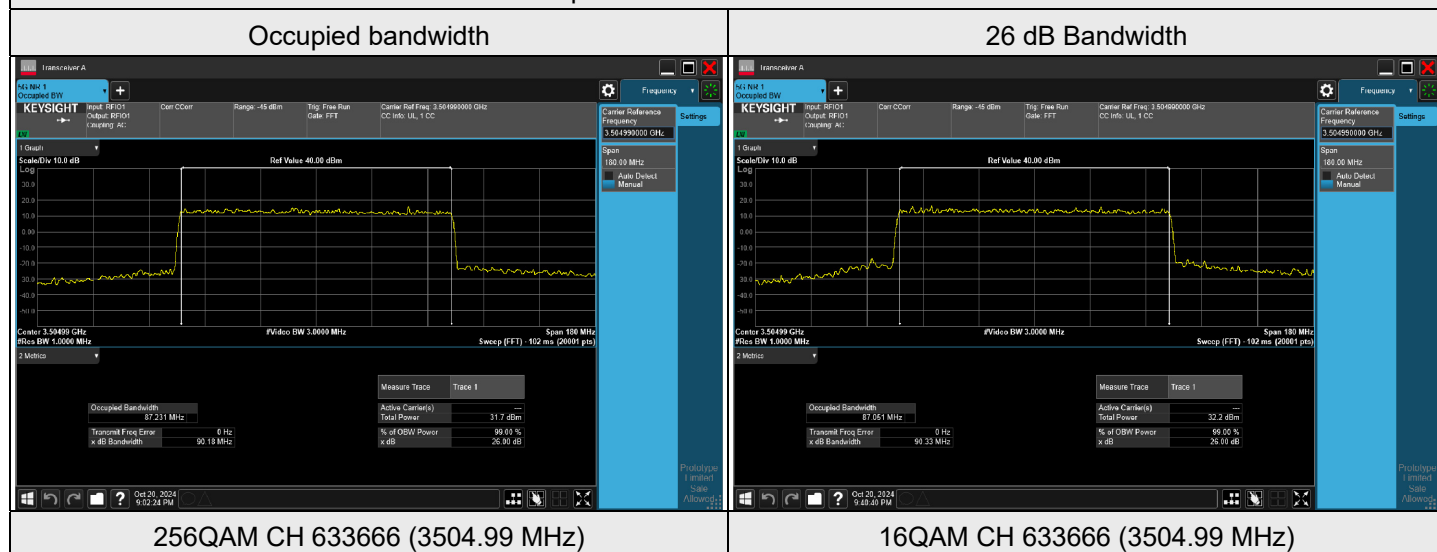
Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) - MIMO-Ant 1, Channel Bandwidth: 90 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	633000	3495	86.672	89.47
BPSK	633334	3500.01	86.660	89.41
BPSK	633666	3504.99	86.694	89.53
QPSK	633000	3495	87.212	90.24
QPSK	633334	3500.01	87.157	89.97
QPSK	633666	3504.99	87.193	90.25
16QAM	633000	3495	87.103	90.13
16QAM	633334	3500.01	87.183	90.20
16QAM	633666	3504.99	87.051	90.33
64QAM	633000	3495	87.073	90.20
64QAM	633334	3500.01	87.070	90.22
64QAM	633666	3504.99	87.105	90.10
256QAM	633000	3495	87.192	90.14
256QAM	633334	3500.01	87.178	90.01
256QAM	633666	3504.99	87.231	90.18

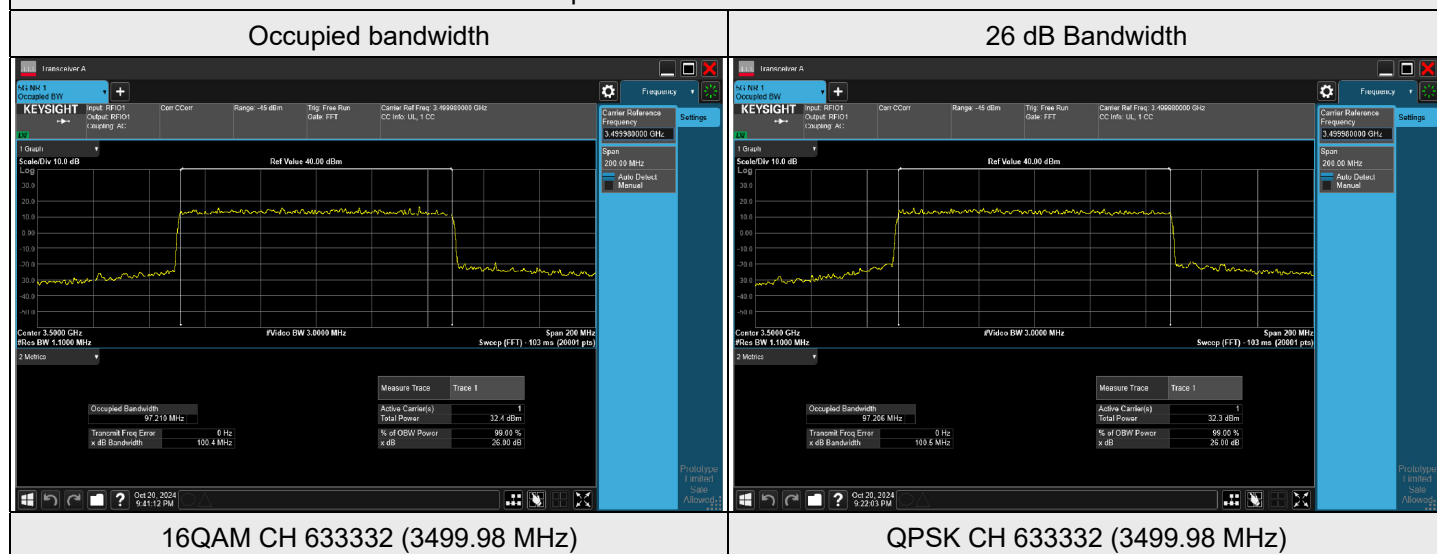
Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) - MIMO-Ant 1, Channel Bandwidth: 100 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	633334	3500.01	96.468	99.42
QPSK	633334	3500.01	96.845	100.4
16QAM	633334	3500.01	96.846	100.5
64QAM	633334	3500.01	97.001	100.5
256QAM	633334	3500.01	97.170	100.5

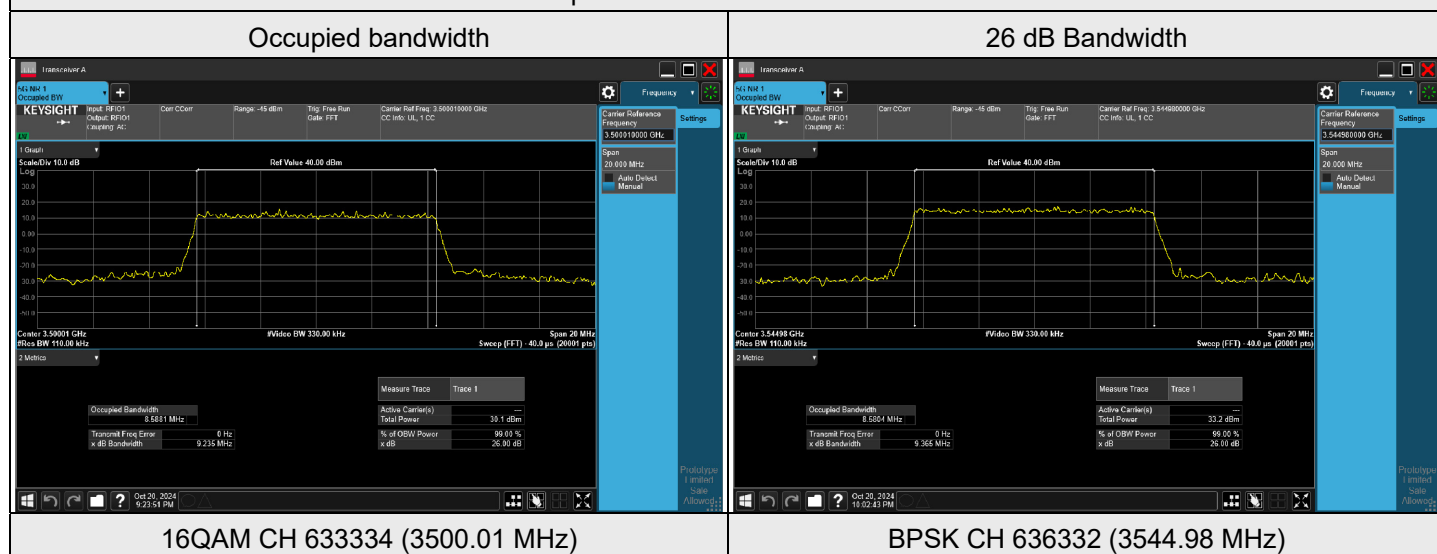
Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) - MIMO-Ant 4, Channel Bandwidth: 10 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	630334	3455.01	8.5464	9.208
BPSK	633334	3500.01	8.5484	9.294
BPSK	636332	3544.98	8.5804	9.365
QPSK	630334	3455.01	8.5565	9.206
QPSK	633334	3500.01	8.5649	9.346
QPSK	636332	3544.98	8.5367	9.227
16QAM	630334	3455.01	8.5681	9.281
16QAM	633334	3500.01	8.5881	9.235
16QAM	636332	3544.98	8.5683	9.279
64QAM	630334	3455.01	8.5666	9.292
64QAM	633334	3500.01	8.5788	9.324
64QAM	636332	3544.98	8.5704	9.272
256QAM	630334	3455.01	8.5581	9.285
256QAM	633334	3500.01	8.5801	9.175
256QAM	636332	3544.98	8.5747	9.231

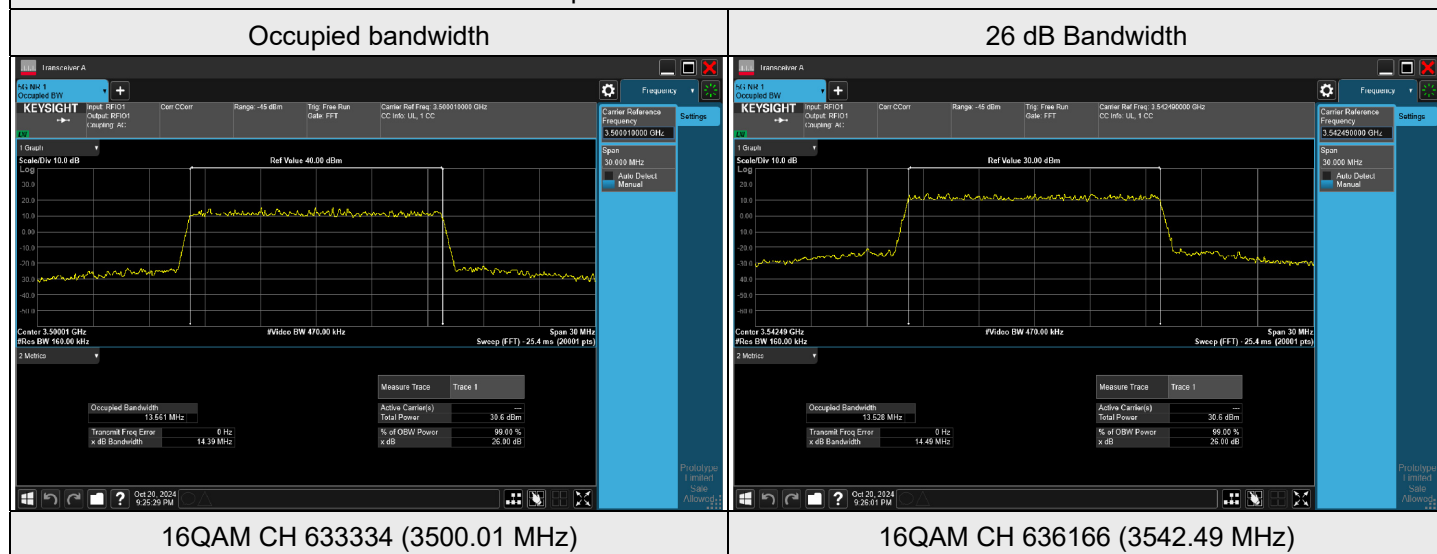
Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) - MIMO-Ant 4, Channel Bandwidth: 15 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	630500	3457.5	13.405	13.53
BPSK	633334	3500.01	13.428	13.67
BPSK	636166	3542.49	13.416	13.66
QPSK	630500	3457.5	13.552	14.36
QPSK	633334	3500.01	13.531	14.30
QPSK	636166	3542.49	13.546	14.34
16QAM	630500	3457.5	13.516	14.38
16QAM	633334	3500.01	13.561	14.39
16QAM	636166	3542.49	13.528	14.49
64QAM	630500	3457.5	13.557	14.33
64QAM	633334	3500.01	13.534	14.33
64QAM	636166	3542.49	13.552	14.33
256QAM	630500	3457.5	13.512	14.29
256QAM	633334	3500.01	13.513	14.33
256QAM	636166	3542.49	13.512	14.32

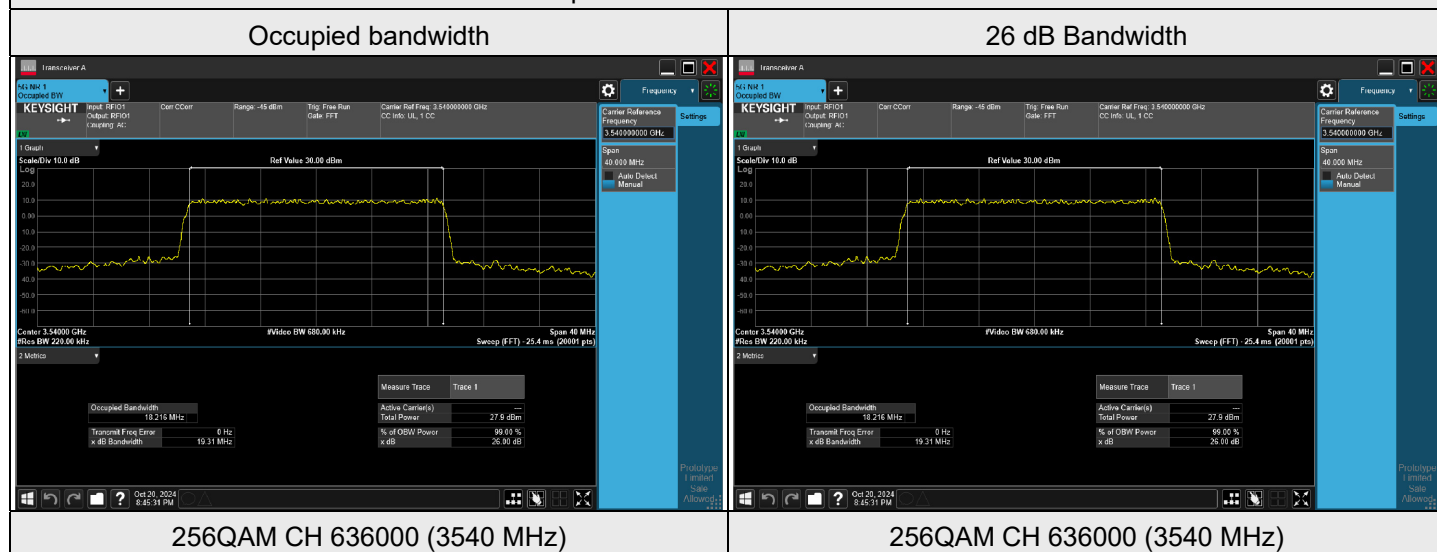
Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) - MIMO-Ant 4, Channel Bandwidth: 20 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	630668	3460.02	17.977	18.82
BPSK	633334	3500.01	17.949	18.73
BPSK	636000	3540	17.946	18.74
QPSK	630668	3460.02	18.158	19.15
QPSK	633334	3500.01	18.173	19.10
QPSK	636000	3540	18.132	19.20
16QAM	630668	3460.02	18.172	19.12
16QAM	633334	3500.01	18.165	19.12
16QAM	636000	3540	18.169	19.13
64QAM	630668	3460.02	18.180	19.12
64QAM	633334	3500.01	18.189	19.16
64QAM	636000	3540	18.149	19.20
256QAM	630668	3460.02	18.174	19.26
256QAM	633334	3500.01	18.188	19.22
256QAM	636000	3540	18.216	19.31

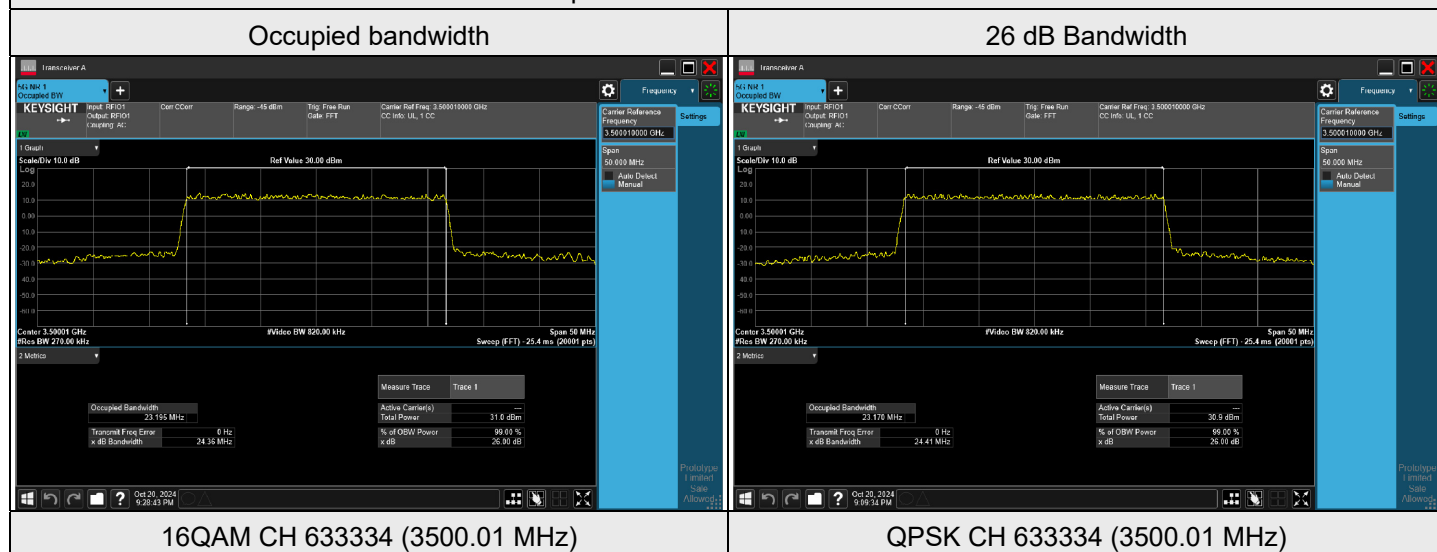
Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) - MIMO-Ant 4, Channel Bandwidth: 25 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	630834	3462.51	22.995	23.96
BPSK	633334	3500.01	23.055	23.99
BPSK	635832	3537.48	23.101	23.91
QPSK	630834	3462.51	23.145	24.34
QPSK	633334	3500.01	23.170	24.41
QPSK	635832	3537.48	23.157	24.24
16QAM	630834	3462.51	23.172	24.33
16QAM	633334	3500.01	23.195	24.36
16QAM	635832	3537.48	23.177	24.30
64QAM	630834	3462.51	23.172	24.28
64QAM	633334	3500.01	23.167	24.33
64QAM	635832	3537.48	23.176	24.30
256QAM	630834	3462.51	23.137	24.31
256QAM	633334	3500.01	23.142	24.29
256QAM	635832	3537.48	23.110	24.39

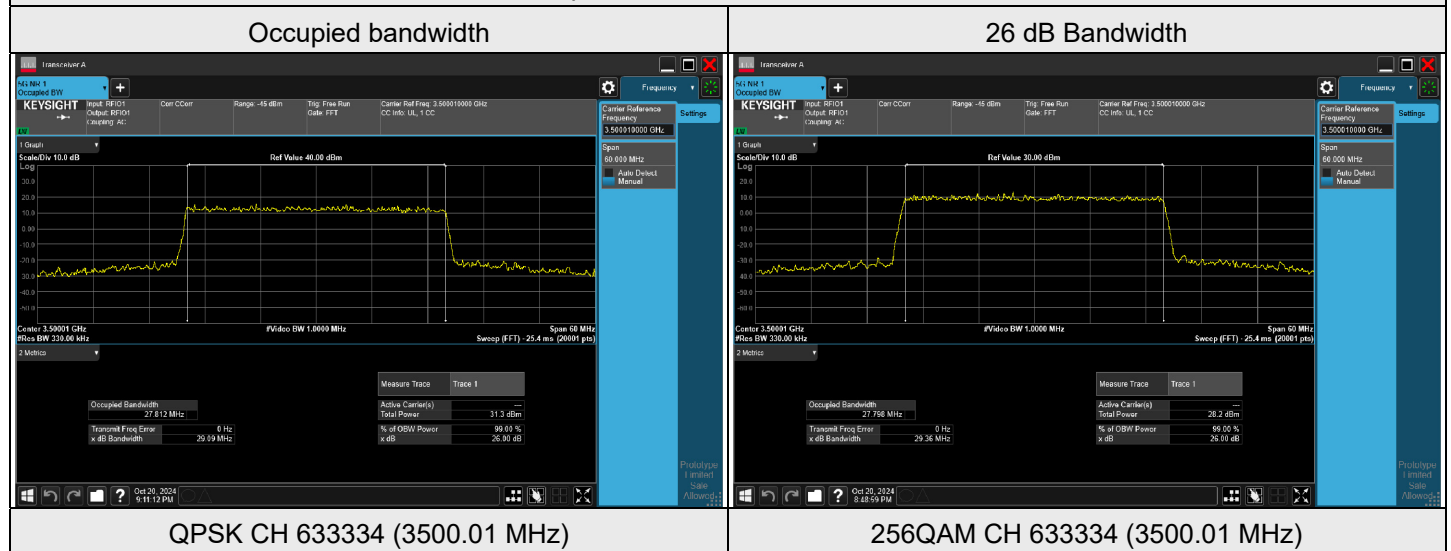
Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) - MIMO-Ant 4, Channel Bandwidth: 30 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	631000	3465	27.450	28.28
BPSK	633334	3500.01	27.483	28.44
BPSK	635666	3534.99	27.487	28.30
QPSK	631000	3465	27.777	29.12
QPSK	633334	3500.01	27.812	29.09
QPSK	635666	3534.99	27.787	29.09
16QAM	631000	3465	27.747	29.15
16QAM	633334	3500.01	27.782	29.15
16QAM	635666	3534.99	27.795	29.15
64QAM	631000	3465	27.710	29.24
64QAM	633334	3500.01	27.722	29.18
64QAM	635666	3534.99	27.716	29.14
256QAM	631000	3465	27.793	29.34
256QAM	633334	3500.01	27.798	29.36
256QAM	635666	3534.99	27.811	29.24

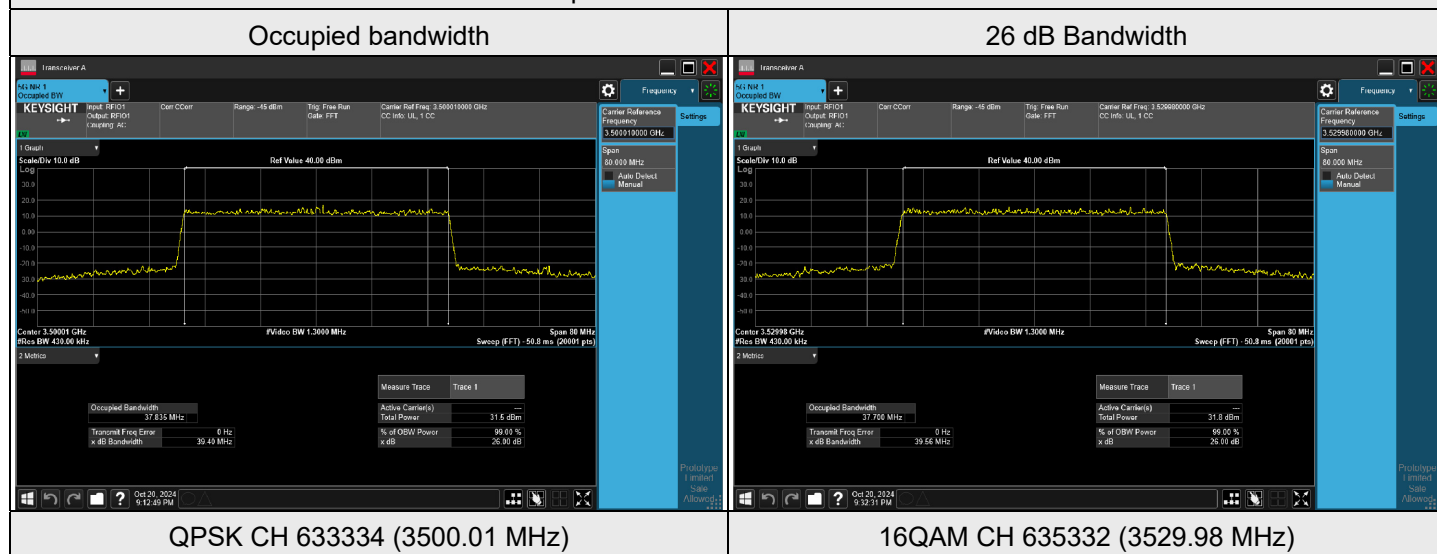
Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) - MIMO-Ant 4, Channel Bandwidth: 40 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	631334	3470.01	37.386	37.10
BPSK	633334	3500.01	37.393	36.82
BPSK	635332	3529.98	37.402	37.08
QPSK	631334	3470.01	37.824	39.47
QPSK	633334	3500.01	37.835	39.40
QPSK	635332	3529.98	37.756	39.42
16QAM	631334	3470.01	37.682	39.40
16QAM	633334	3500.01	37.720	39.47
16QAM	635332	3529.98	37.700	39.56
64QAM	631334	3470.01	37.697	39.44
64QAM	633334	3500.01	37.721	39.46
64QAM	635332	3529.98	37.698	39.41
256QAM	631334	3470.01	37.698	39.43
256QAM	633334	3500.01	37.738	39.21
256QAM	635332	3529.98	37.713	39.50

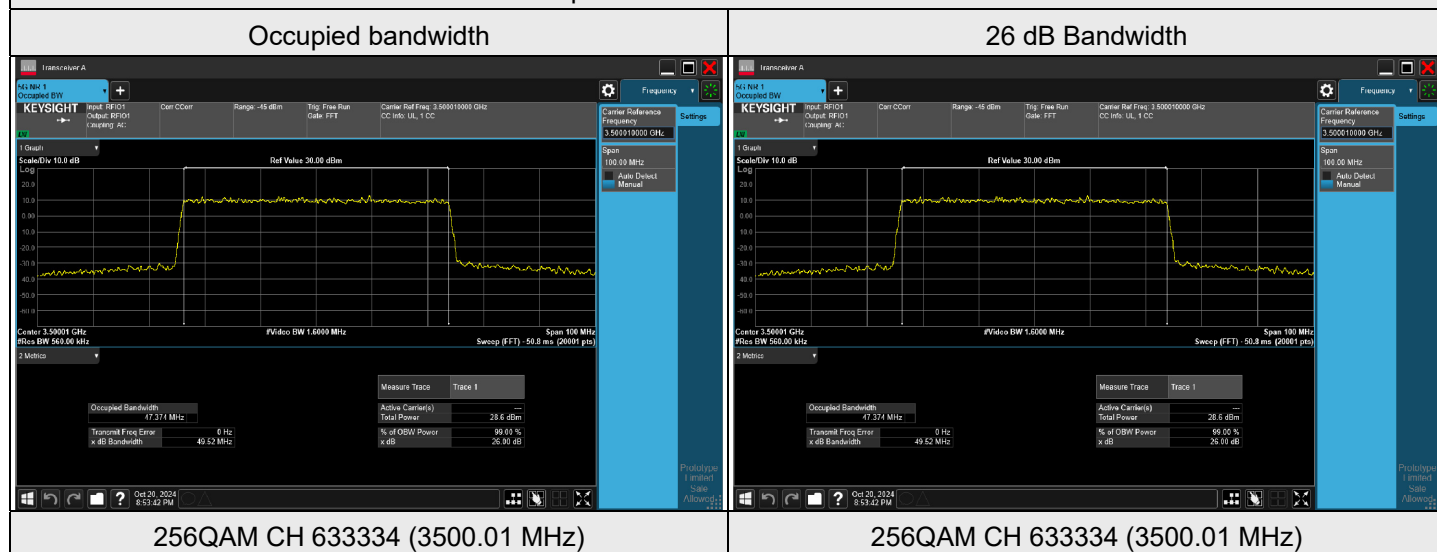
Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) - MIMO-Ant 4, Channel Bandwidth: 50 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	631668	3475.02	46.751	47.43
BPSK	633334	3500.01	46.891	47.59
BPSK	635000	3525	46.864	47.59
QPSK	631668	3475.02	47.260	49.17
QPSK	633334	3500.01	47.341	49.30
QPSK	635000	3525	47.354	49.22
16QAM	631668	3475.02	47.210	49.33
16QAM	633334	3500.01	47.232	49.24
16QAM	635000	3525	47.242	49.36
64QAM	631668	3475.02	47.243	48.90
64QAM	633334	3500.01	47.301	49.29
64QAM	635000	3525	47.302	49.28
256QAM	631668	3475.02	47.370	49.22
256QAM	633334	3500.01	47.374	49.52
256QAM	635000	3525	47.312	49.37

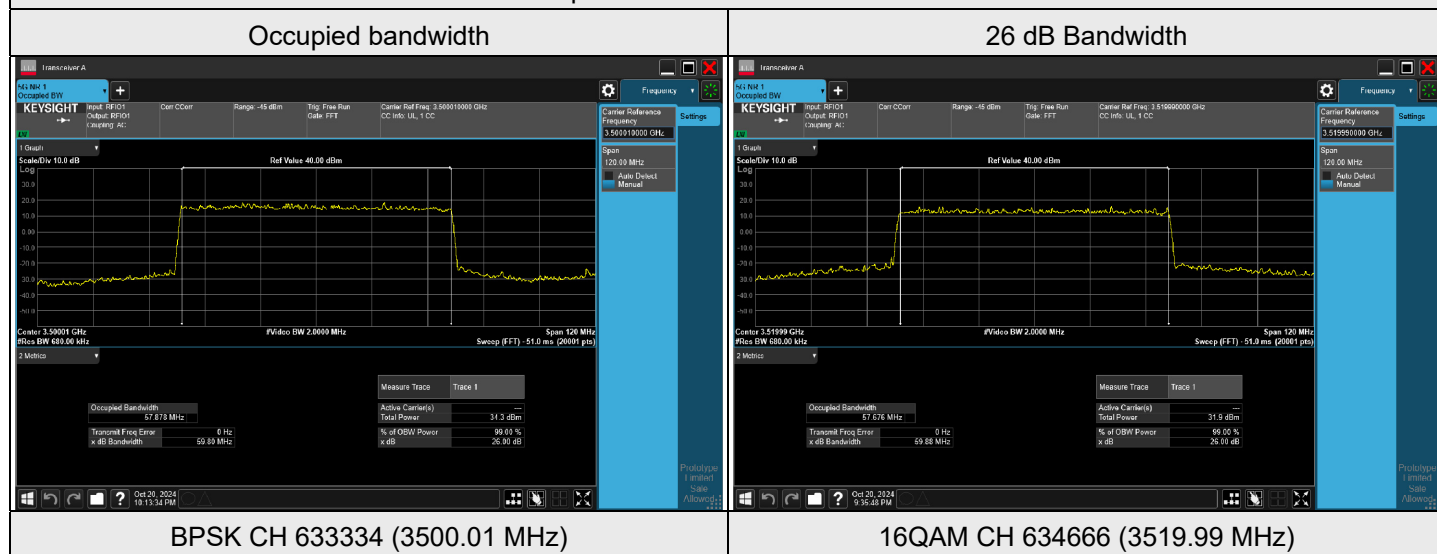
Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) - MIMO-Ant 4, Channel Bandwidth: 60 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	632000	3480	57.674	59.84
BPSK	633334	3500.01	57.878	59.80
BPSK	634666	3519.99	57.792	59.84
QPSK	632000	3480	57.557	59.67
QPSK	633334	3500.01	57.420	59.65
QPSK	634666	3519.99	57.569	59.72
16QAM	632000	3480	57.662	59.79
16QAM	633334	3500.01	57.708	59.80
16QAM	634666	3519.99	57.676	59.88
64QAM	632000	3480	57.618	59.85
64QAM	633334	3500.01	57.545	59.69
64QAM	634666	3519.99	57.673	59.70
256QAM	632000	3480	57.505	59.84
256QAM	633334	3500.01	57.413	59.87
256QAM	634666	3519.99	57.534	59.67

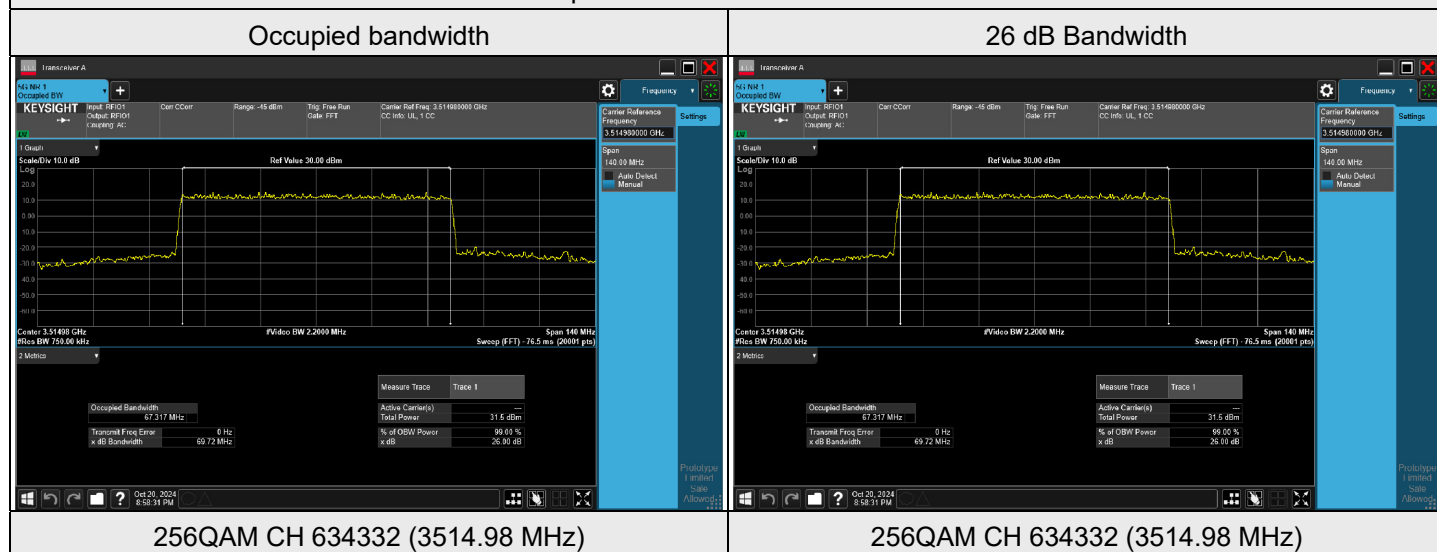
Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) - MIMO-Ant 4, Channel Bandwidth: 70 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	632334	3485.01	66.366	66.44
BPSK	633334	3500.01	66.377	66.51
BPSK	634332	3514.98	66.557	66.46
QPSK	632334	3485.01	67.191	69.70
QPSK	633334	3500.01	67.217	69.65
QPSK	634332	3514.98	67.245	69.70
16QAM	632334	3485.01	67.062	69.59
16QAM	633334	3500.01	67.276	69.57
16QAM	634332	3514.98	67.262	69.71
64QAM	632334	3485.01	67.080	69.59
64QAM	633334	3500.01	67.215	69.63
64QAM	634332	3514.98	67.205	69.66
256QAM	632334	3485.01	67.248	69.51
256QAM	633334	3500.01	67.249	69.62
256QAM	634332	3514.98	67.317	69.72

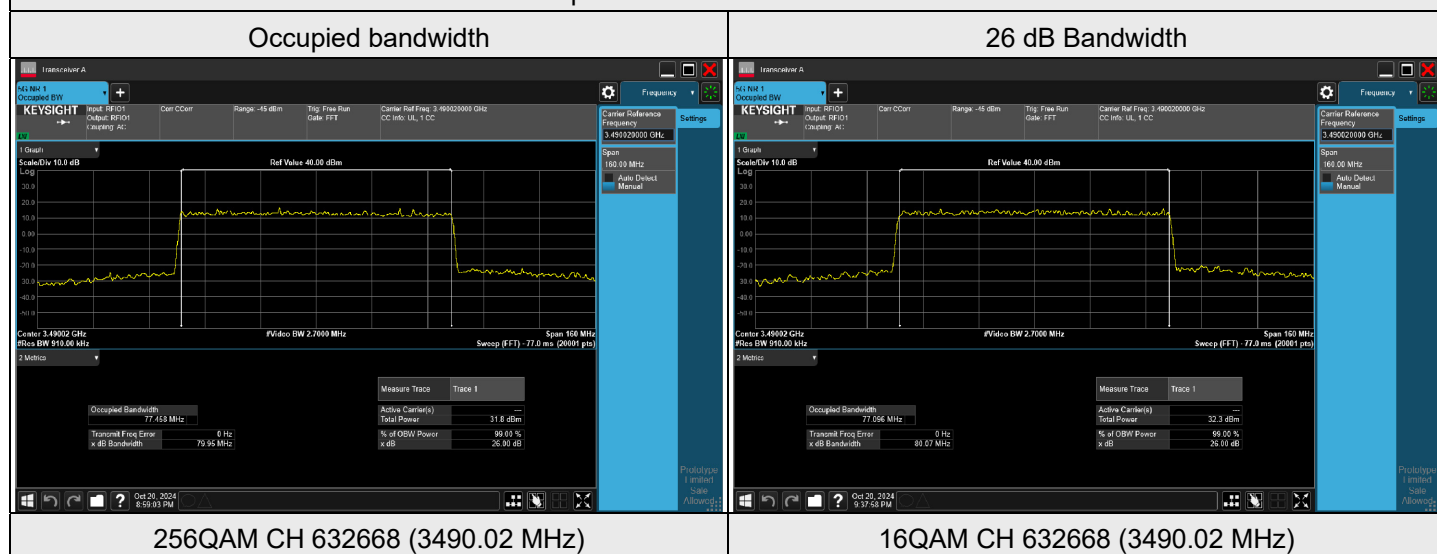
Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) - MIMO-Ant 4, Channel Bandwidth: 80 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	632668	3490.02	76.791	79.61
BPSK	633334	3500.01	76.914	79.67
BPSK	634000	3510	76.837	79.68
QPSK	632668	3490.02	77.186	79.95
QPSK	633334	3500.01	77.186	79.94
QPSK	634000	3510	77.233	80.02
16QAM	632668	3490.02	77.096	80.07
16QAM	633334	3500.01	77.157	79.74
16QAM	634000	3510	77.095	80.03
64QAM	632668	3490.02	77.126	79.88
64QAM	633334	3500.01	77.041	79.92
64QAM	634000	3510	77.363	80.01
256QAM	632668	3490.02	77.458	79.95
256QAM	633334	3500.01	77.188	80.02
256QAM	634000	3510	77.266	80.03

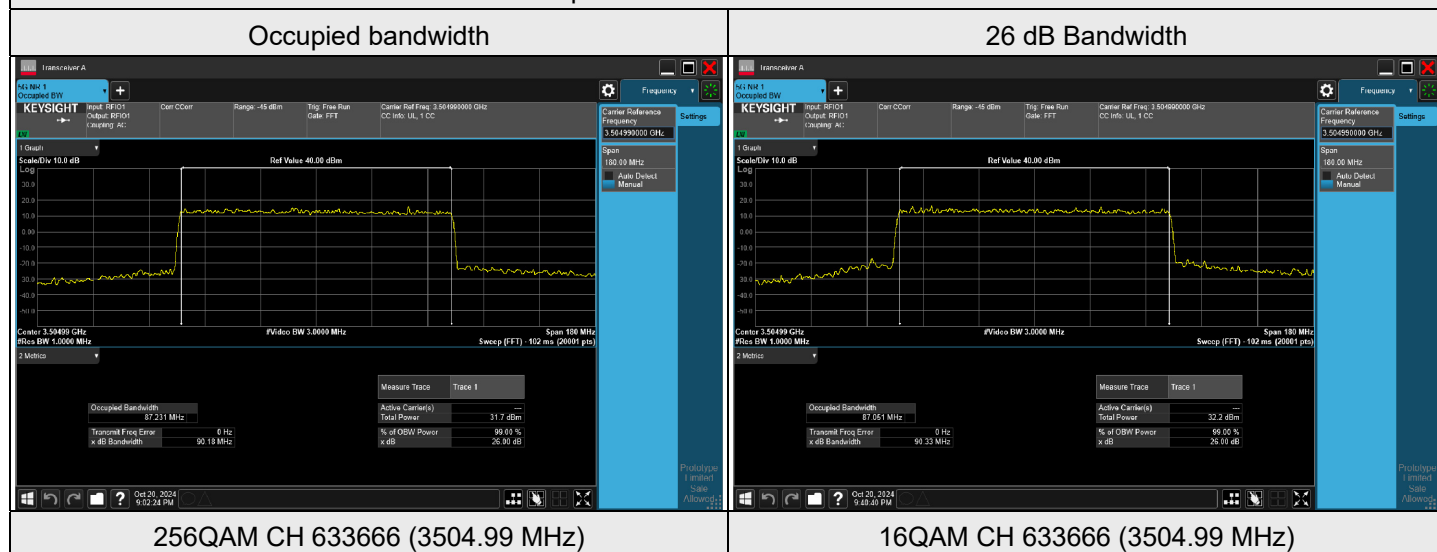
Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) - MIMO-Ant 4, Channel Bandwidth: 90 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	633000	3495	86.672	89.47
BPSK	633334	3500.01	86.660	89.41
BPSK	633666	3504.99	86.694	89.53
QPSK	633000	3495	87.212	90.24
QPSK	633334	3500.01	87.157	89.97
QPSK	633666	3504.99	87.193	90.25
16QAM	633000	3495	87.103	90.13
16QAM	633334	3500.01	87.183	90.20
16QAM	633666	3504.99	87.051	90.33
64QAM	633000	3495	87.073	90.20
64QAM	633334	3500.01	87.070	90.22
64QAM	633666	3504.99	87.105	90.10
256QAM	633000	3495	87.192	90.14
256QAM	633334	3500.01	87.178	90.01
256QAM	633666	3504.99	87.231	90.18

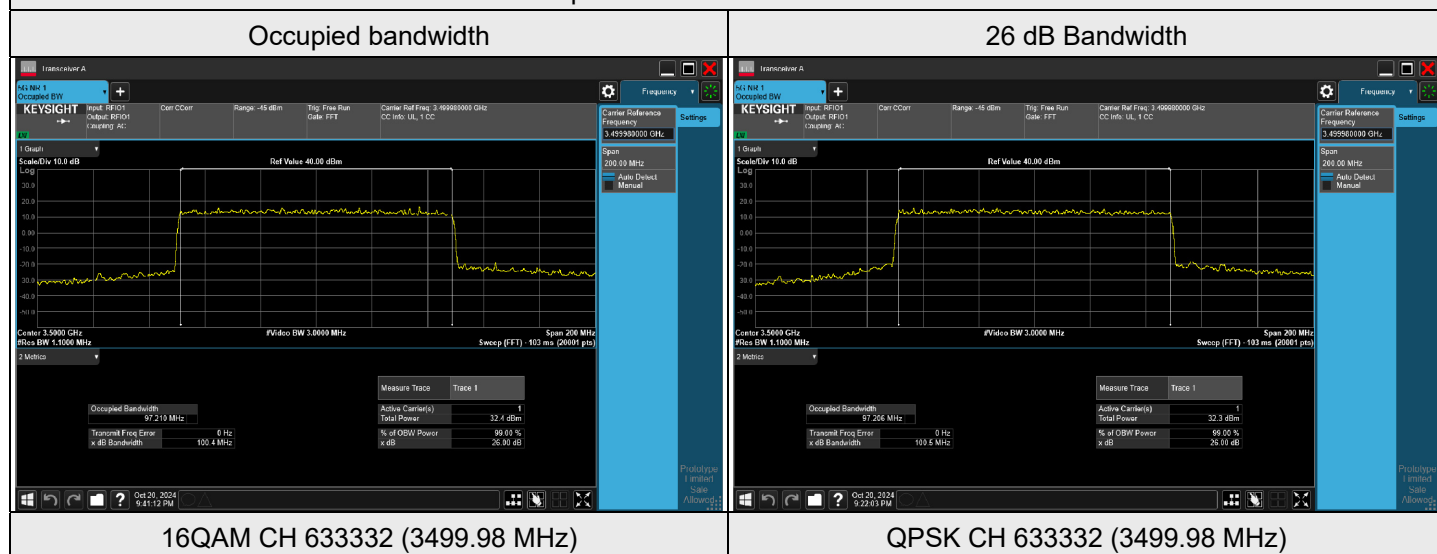
Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) - MIMO-Ant 4, Channel Bandwidth: 100 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	633334	3500.01	96.468	99.42
QPSK	633334	3500.01	96.845	100.4
16QAM	633334	3500.01	96.846	100.5
64QAM	633334	3500.01	97.001	100.5
256QAM	633334	3500.01	97.170	100.5

Spectrum Plot of Worst Value

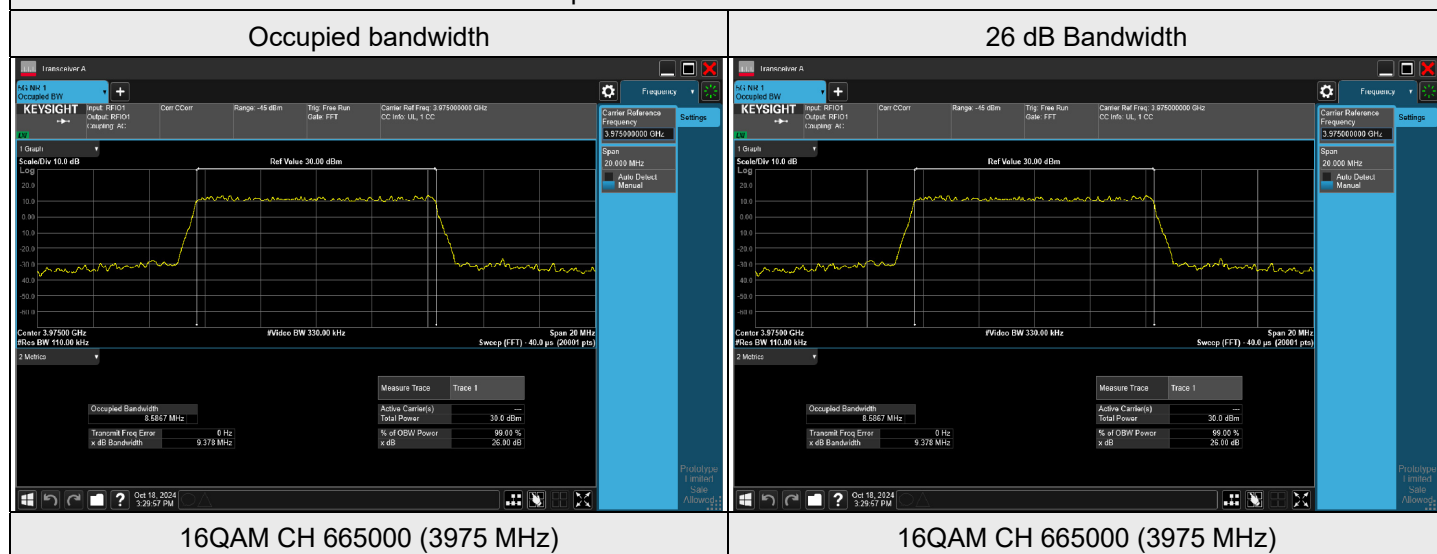


7.4.5 NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz)

NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) - MIMO-Ant 1, Channel Bandwidth: 10 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	647000	3705	8.5387	9.157
BPSK	656000	3840	8.5689	9.223
BPSK	665000	3975	8.5605	9.227
QPSK	647000	3705	8.5422	9.225
QPSK	656000	3840	8.5785	9.370
QPSK	665000	3975	8.5448	9.268
16QAM	647000	3705	8.5824	9.316
16QAM	656000	3840	8.5729	9.273
16QAM	665000	3975	8.5867	9.378
64QAM	647000	3705	8.5763	9.269
64QAM	656000	3840	8.5690	9.307
64QAM	665000	3975	8.5788	9.228
256QAM	647000	3705	8.5483	9.286
256QAM	656000	3840	8.5349	9.172
256QAM	665000	3975	8.5520	9.181

Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) - MIMO-Ant 1, Channel Bandwidth: 15 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	647168	3707.52	13.447	13.62
BPSK	656000	3840	13.465	13.56
BPSK	664832	3972.48	13.480	13.69
QPSK	647168	3707.52	13.513	14.35
QPSK	656000	3840	13.513	14.37
QPSK	664832	3972.48	13.533	14.40
16QAM	647168	3707.52	13.548	14.41
16QAM	656000	3840	13.534	14.44
16QAM	664832	3972.48	13.542	14.45
64QAM	647168	3707.52	13.540	14.41
64QAM	656000	3840	13.530	14.30
64QAM	664832	3972.48	13.516	14.38
256QAM	647168	3707.52	13.587	14.39
256QAM	656000	3840	13.551	14.42
256QAM	664832	3972.48	13.564	14.33

Spectrum Plot of Worst Value

