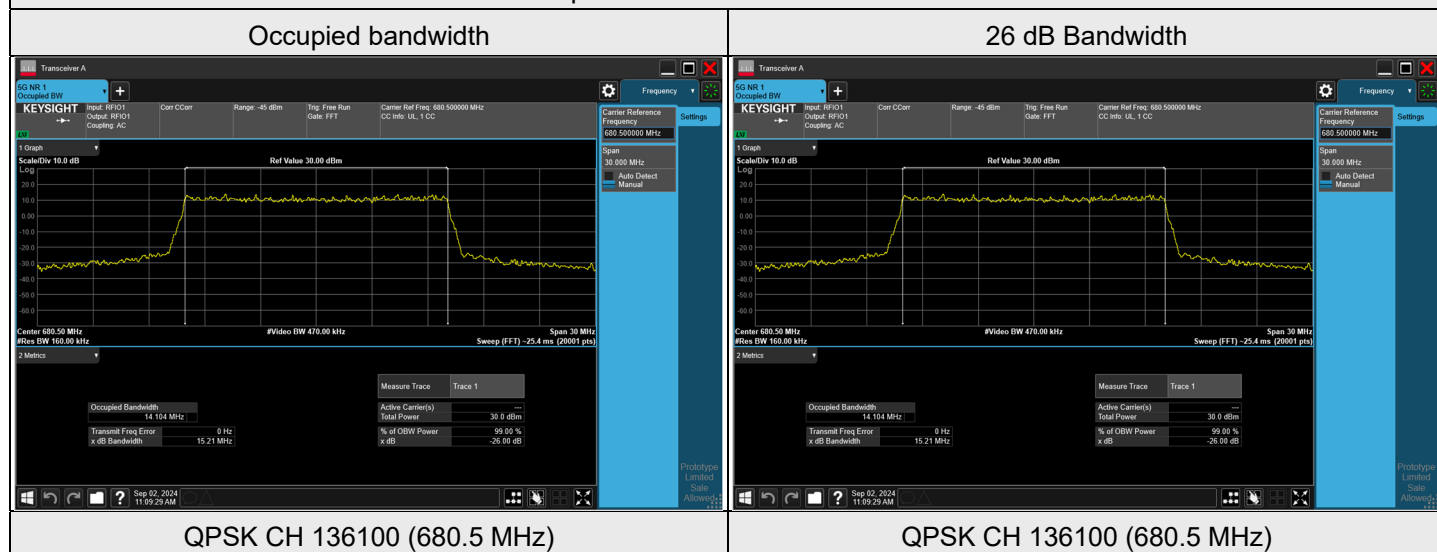


NR n71 SCS 15 kHz, Channel Bandwidth: 15 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	134100	670.5	13.858	14.30
BPSK	136100	680.5	14.004	14.30
BPSK	138100	690.5	13.933	14.28
QPSK	134100	670.5	14.035	15.01
QPSK	136100	680.5	14.104	15.21
QPSK	138100	690.5	14.034	14.92
16QAM	134100	670.5	14.020	14.80
16QAM	136100	680.5	14.103	15.02
16QAM	138100	690.5	14.029	14.85
64QAM	134100	670.5	13.993	14.93
64QAM	136100	680.5	14.083	14.76
64QAM	138100	690.5	13.993	14.93
256QAM	134100	670.5	14.026	14.88
256QAM	136100	680.5	14.098	15.03
256QAM	138100	690.5	14.028	14.82

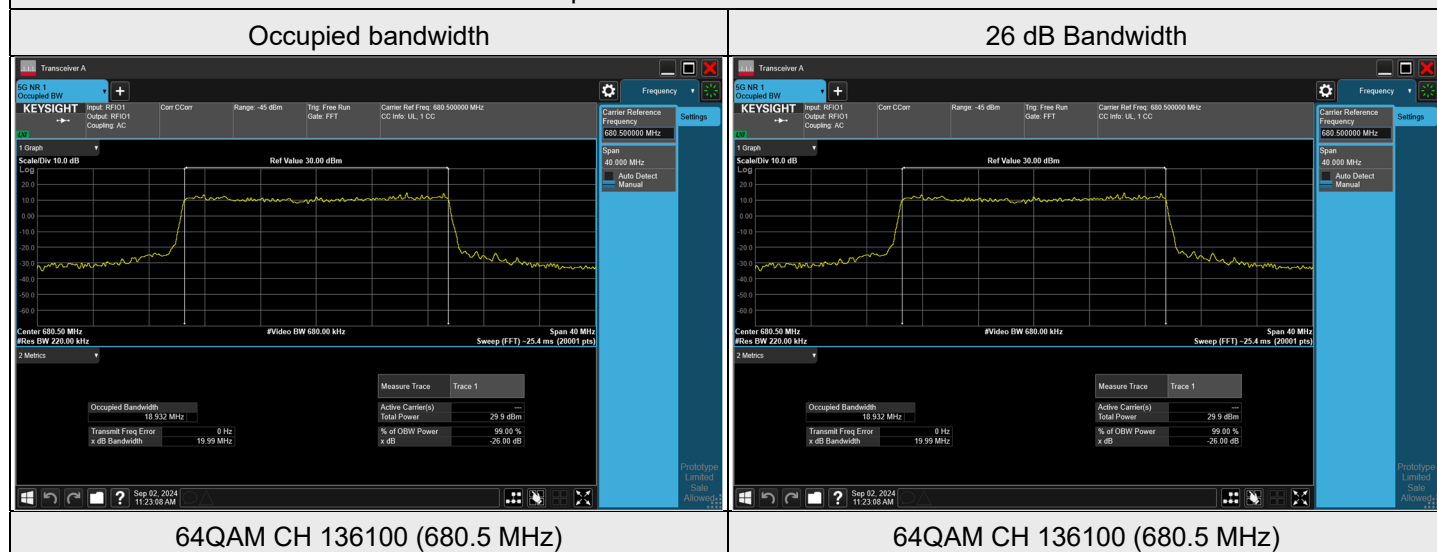
Spectrum Plot of Worst Value



NR n71 SCS 15 kHz, Channel Bandwidth: 20 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	134600	673	18.525	18.66
BPSK	136100	680.5	18.785	18.80
BPSK	137600	688	18.597	18.67
QPSK	134600	673	18.757	19.90
QPSK	136100	680.5	18.893	19.95
QPSK	137600	688	18.761	19.93
16QAM	134600	673	18.846	19.79
16QAM	136100	680.5	18.889	19.95
16QAM	137600	688	18.788	19.84
64QAM	134600	673	18.805	19.86
64QAM	136100	680.5	18.932	19.99
64QAM	137600	688	18.858	19.94
256QAM	134600	673	18.777	19.80
256QAM	136100	680.5	18.885	19.94
256QAM	137600	688	18.792	19.71

Spectrum Plot of Worst Value

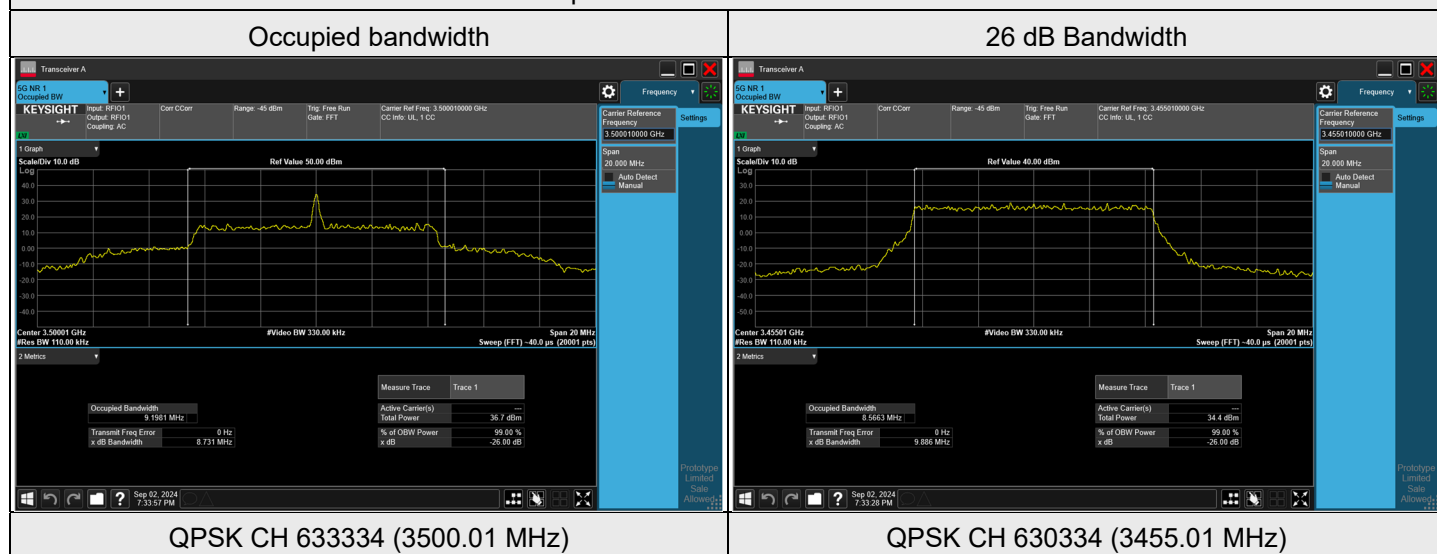


7.4.9 NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz)

NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) - MIMO-Ant 0, Channel Bandwidth: 10 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	630334	3455.01	8.5403	9.462
BPSK	633334	3500.01	8.5749	9.589
BPSK	636332	3544.98	8.5567	9.596
QPSK	630334	3455.01	8.5663	9.886
QPSK	633334	3500.01	9.1981	8.731
QPSK	636332	3544.98	8.5745	9.652
16QAM	630334	3455.01	8.5726	9.496
16QAM	633334	3500.01	8.5768	9.780
16QAM	636332	3544.98	8.5787	9.568
64QAM	630334	3455.01	8.5968	9.755
64QAM	633334	3500.01	8.5745	9.762
64QAM	636332	3544.98	8.6081	9.775
256QAM	630334	3455.01	8.5907	9.584
256QAM	633334	3500.01	8.5862	9.599
256QAM	636332	3544.98	8.5888	9.719

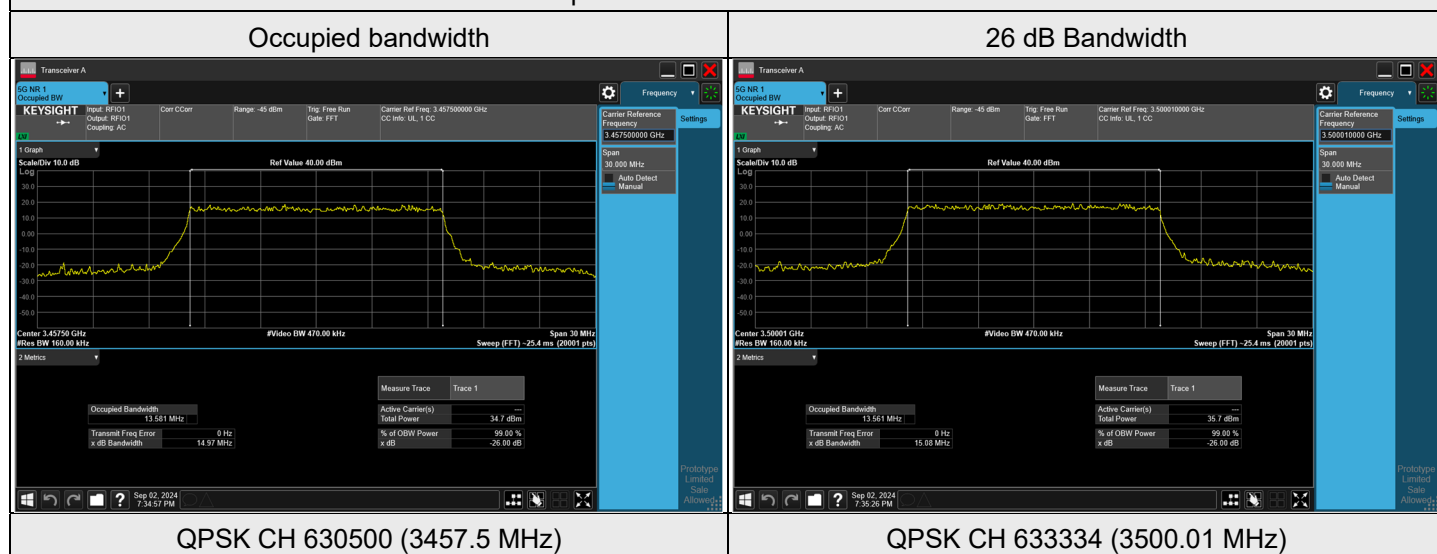
Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) - MIMO-Ant 0, Channel Bandwidth: 15 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	630500	3457.5	13.504	13.78
BPSK	633334	3500.01	13.504	13.97
BPSK	636166	3542.49	13.510	14.01
QPSK	630500	3457.5	13.581	14.97
QPSK	633334	3500.01	13.561	15.08
QPSK	636166	3542.49	13.579	14.80
16QAM	630500	3457.5	13.561	14.57
16QAM	633334	3500.01	13.564	14.74
16QAM	636166	3542.49	13.573	14.65
64QAM	630500	3457.5	13.564	14.80
64QAM	633334	3500.01	13.579	14.68
64QAM	636166	3542.49	13.570	14.52
256QAM	630500	3457.5	13.570	15.06
256QAM	633334	3500.01	13.536	14.74
256QAM	636166	3542.49	13.548	14.83

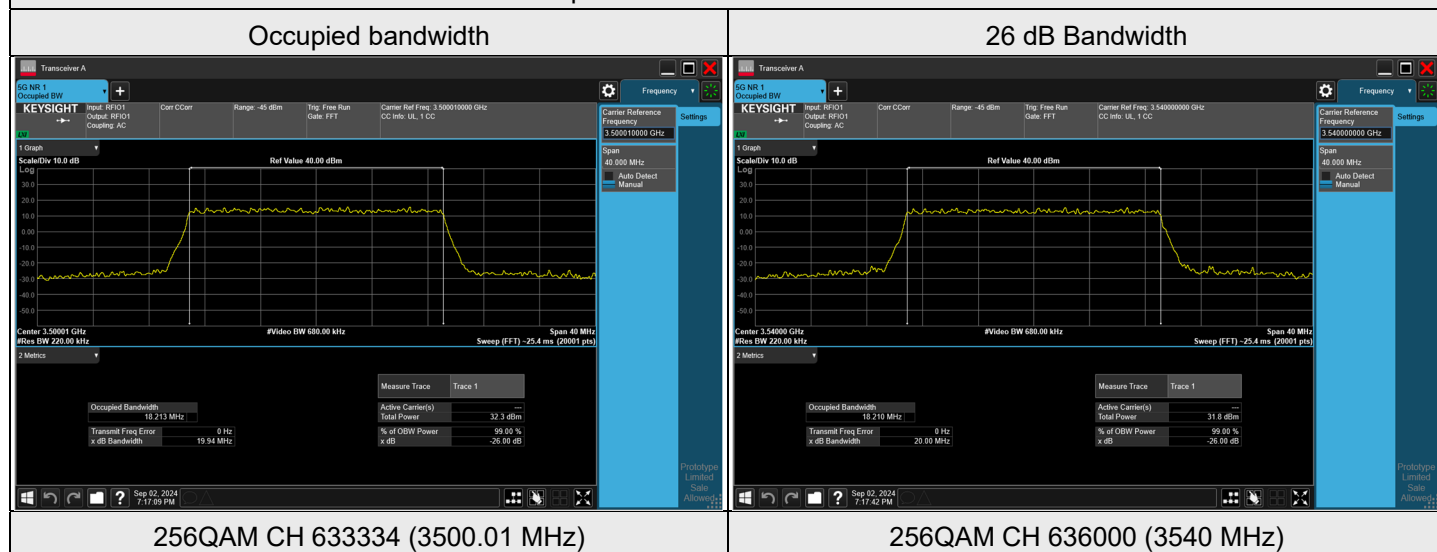
Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) - MIMO-Ant 0, Channel Bandwidth: 20 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	630668	3460.02	17.977	19.03
BPSK	633334	3500.01	17.973	18.91
BPSK	636000	3540	17.969	18.97
QPSK	630668	3460.02	18.165	19.77
QPSK	633334	3500.01	18.193	19.66
QPSK	636000	3540	18.205	19.89
16QAM	630668	3460.02	18.204	19.69
16QAM	633334	3500.01	18.202	19.46
16QAM	636000	3540	18.212	19.63
64QAM	630668	3460.02	18.193	19.77
64QAM	633334	3500.01	18.161	19.46
64QAM	636000	3540	18.190	19.46
256QAM	630668	3460.02	18.194	19.82
256QAM	633334	3500.01	18.213	19.94
256QAM	636000	3540	18.210	20.00

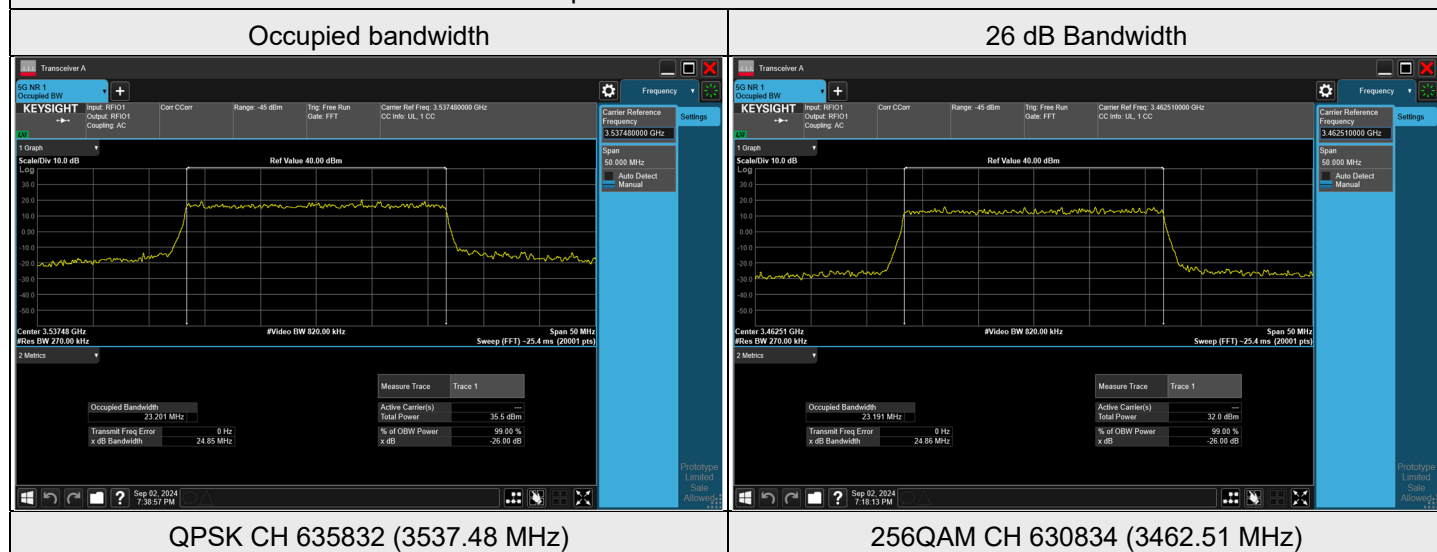
Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) - MIMO-Ant 0, Channel Bandwidth: 25 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	630834	3462.51	23.112	24.46
BPSK	633334	3500.01	23.062	24.60
BPSK	635832	3537.48	23.107	24.43
QPSK	630834	3462.51	23.167	24.60
QPSK	633334	3500.01	23.167	24.68
QPSK	635832	3537.48	23.201	24.85
16QAM	630834	3462.51	23.200	24.65
16QAM	633334	3500.01	23.167	24.68
16QAM	635832	3537.48	23.191	24.77
64QAM	630834	3462.51	23.161	24.76
64QAM	633334	3500.01	23.157	24.72
64QAM	635832	3537.48	23.176	24.48
256QAM	630834	3462.51	23.191	24.86
256QAM	633334	3500.01	23.172	24.84
256QAM	635832	3537.48	23.197	24.74

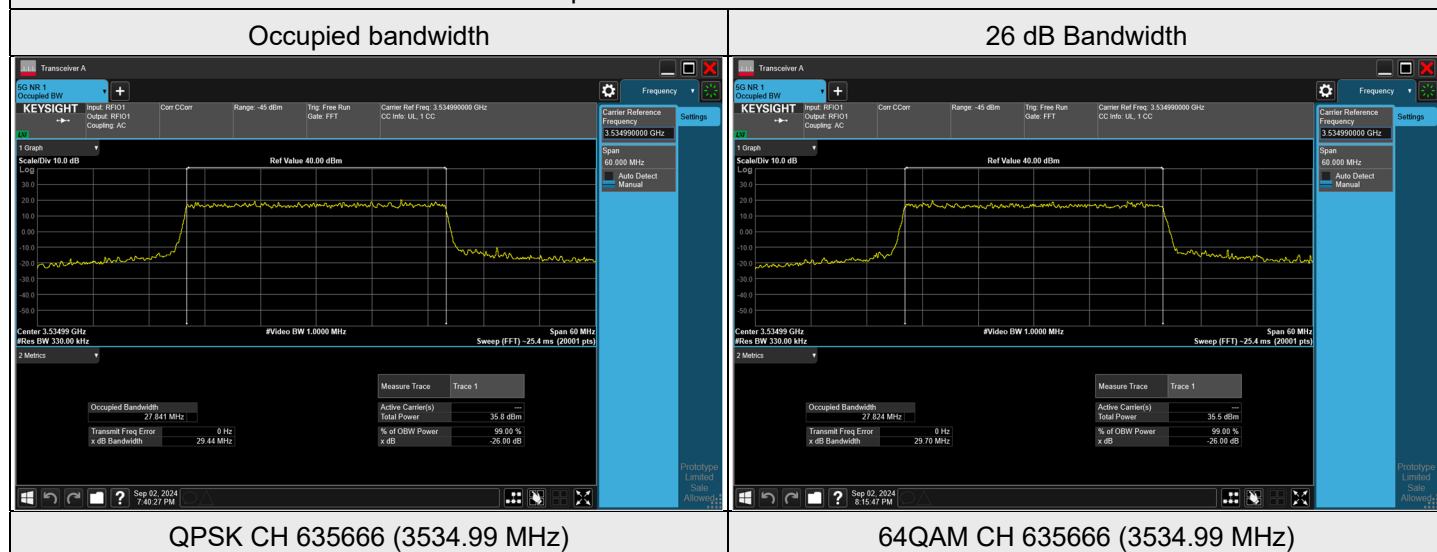
Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) - MIMO-Ant 0, Channel Bandwidth: 30 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	631000	3465	27.576	28.43
BPSK	633334	3500.01	27.554	28.57
BPSK	635666	3534.99	27.595	28.49
QPSK	631000	3465	27.829	29.54
QPSK	633334	3500.01	27.811	29.46
QPSK	635666	3534.99	27.841	29.44
16QAM	631000	3465	27.770	29.20
16QAM	633334	3500.01	27.751	29.19
16QAM	635666	3534.99	27.764	29.37
64QAM	631000	3465	27.801	29.63
64QAM	633334	3500.01	27.789	29.68
64QAM	635666	3534.99	27.824	29.70
256QAM	631000	3465	27.787	29.56
256QAM	633334	3500.01	27.775	29.55
256QAM	635666	3534.99	27.788	29.54

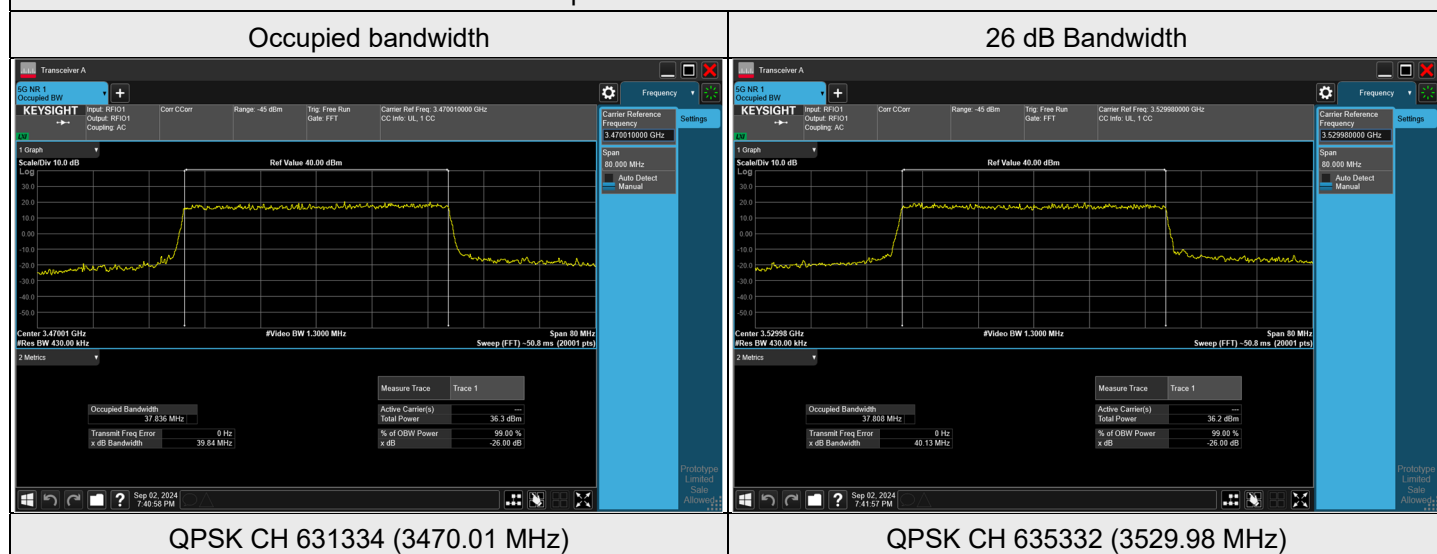
Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) - MIMO-Ant 0, Channel Bandwidth: 40 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	631334	3470.01	37.267	37.65
BPSK	633334	3500.01	37.340	37.62
BPSK	635332	3529.98	37.467	37.77
QPSK	631334	3470.01	37.836	39.84
QPSK	633334	3500.01	37.793	39.85
QPSK	635332	3529.98	37.808	40.13
16QAM	631334	3470.01	37.732	39.72
16QAM	633334	3500.01	37.713	39.50
16QAM	635332	3529.98	37.745	39.62
64QAM	631334	3470.01	37.762	40.00
64QAM	633334	3500.01	37.691	39.74
64QAM	635332	3529.98	37.747	39.82
256QAM	631334	3470.01	37.683	39.75
256QAM	633334	3500.01	37.626	39.83
256QAM	635332	3529.98	37.691	39.98

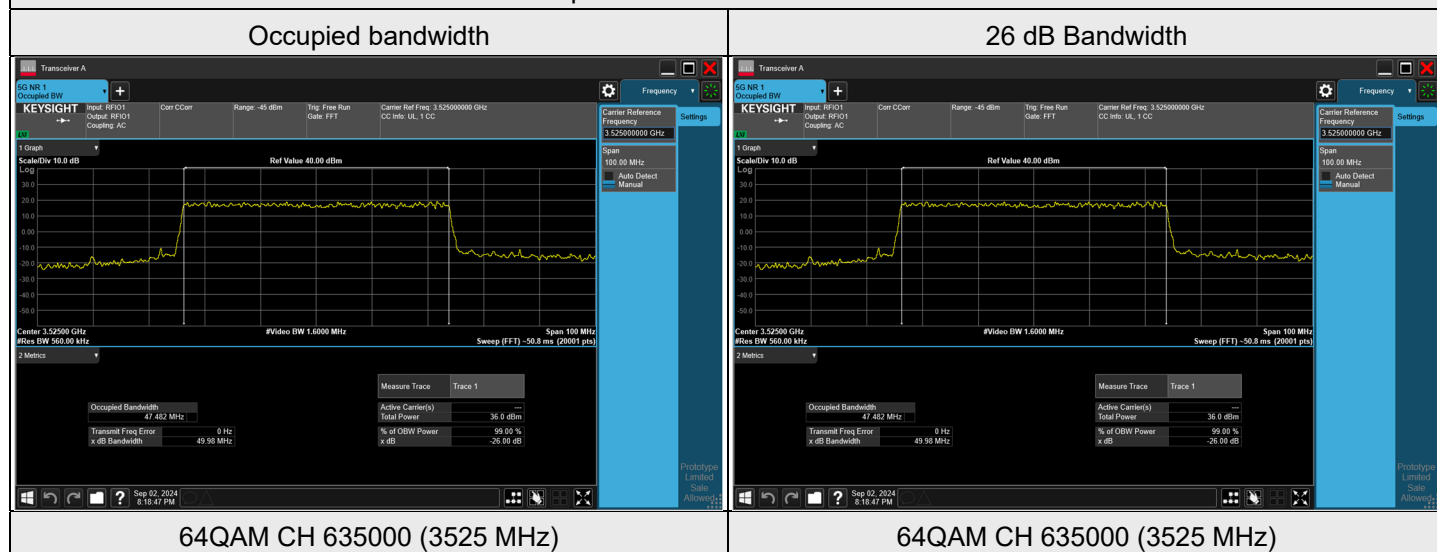
Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) - MIMO-Ant 0, Channel Bandwidth: 50 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	631668	3475.02	46.834	48.06
BPSK	633334	3500.01	46.782	47.96
BPSK	635000	3525	47.042	48.16
QPSK	631668	3475.02	47.362	49.77
QPSK	633334	3500.01	47.333	49.67
QPSK	635000	3525	47.412	49.64
16QAM	631668	3475.02	47.392	49.63
16QAM	633334	3500.01	47.314	49.46
16QAM	635000	3525	47.421	49.79
64QAM	631668	3475.02	47.420	49.83
64QAM	633334	3500.01	47.395	49.82
64QAM	635000	3525	47.482	49.98
256QAM	631668	3475.02	47.432	49.87
256QAM	633334	3500.01	47.303	49.81
256QAM	635000	3525	47.394	49.91

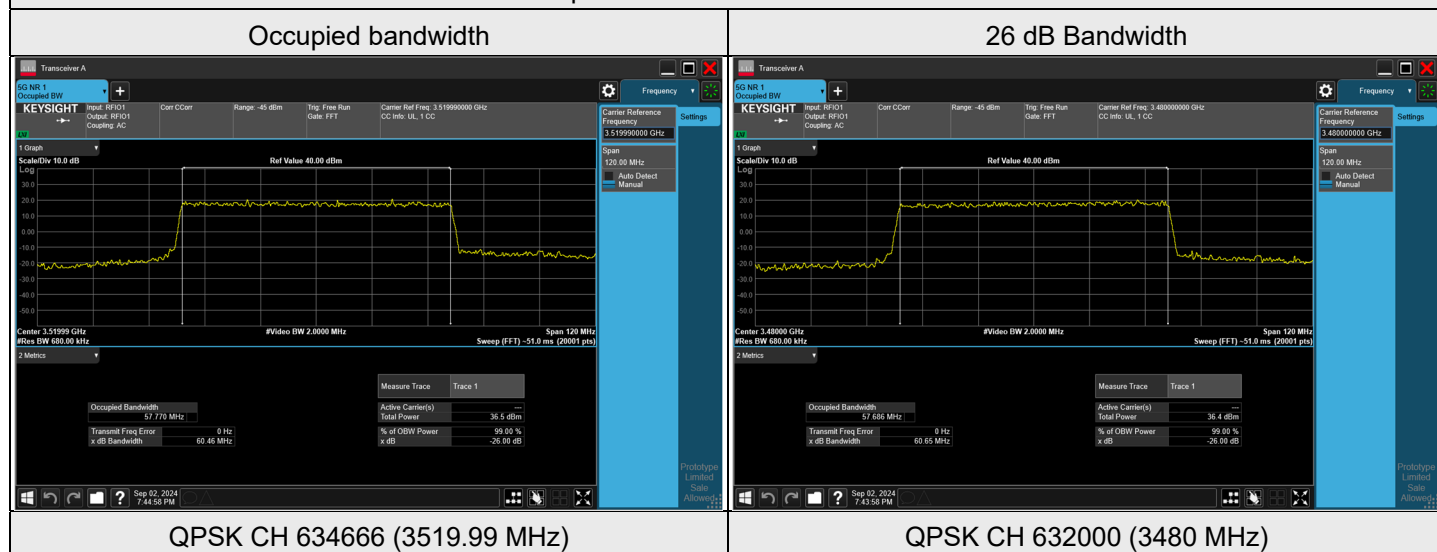
Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) - MIMO-Ant 0, Channel Bandwidth: 60 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	632000	3480	57.661	60.43
BPSK	633334	3500.01	57.554	60.38
BPSK	634666	3519.99	57.652	60.33
QPSK	632000	3480	57.686	60.65
QPSK	633334	3500.01	57.665	60.47
QPSK	634666	3519.99	57.770	60.46
16QAM	632000	3480	57.674	60.20
16QAM	633334	3500.01	57.602	60.02
16QAM	634666	3519.99	57.720	60.27
64QAM	632000	3480	57.666	60.17
64QAM	633334	3500.01	57.648	60.29
64QAM	634666	3519.99	57.673	60.43
256QAM	632000	3480	57.627	60.20
256QAM	633334	3500.01	57.556	60.08
256QAM	634666	3519.99	57.686	60.30

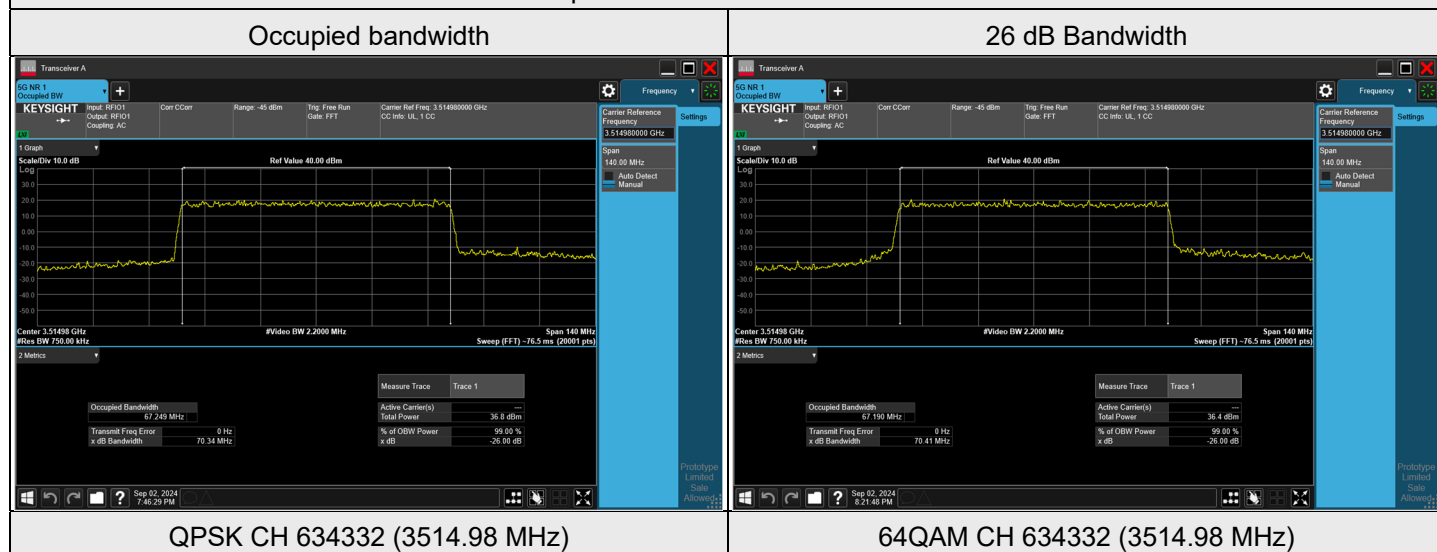
Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) - MIMO-Ant 0, Channel Bandwidth: 70 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	632334	3485.01	66.744	66.93
BPSK	633334	3500.01	66.376	66.88
BPSK	634332	3514.98	66.781	66.80
QPSK	632334	3485.01	67.131	69.93
QPSK	633334	3500.01	67.066	70.10
QPSK	634332	3514.98	67.249	70.34
16QAM	632334	3485.01	67.207	70.09
16QAM	633334	3500.01	67.159	69.96
16QAM	634332	3514.98	67.216	69.94
64QAM	632334	3485.01	67.177	70.16
64QAM	633334	3500.01	67.121	70.29
64QAM	634332	3514.98	67.190	70.41
256QAM	632334	3485.01	67.178	69.99
256QAM	633334	3500.01	67.131	69.85
256QAM	634332	3514.98	67.160	70.09

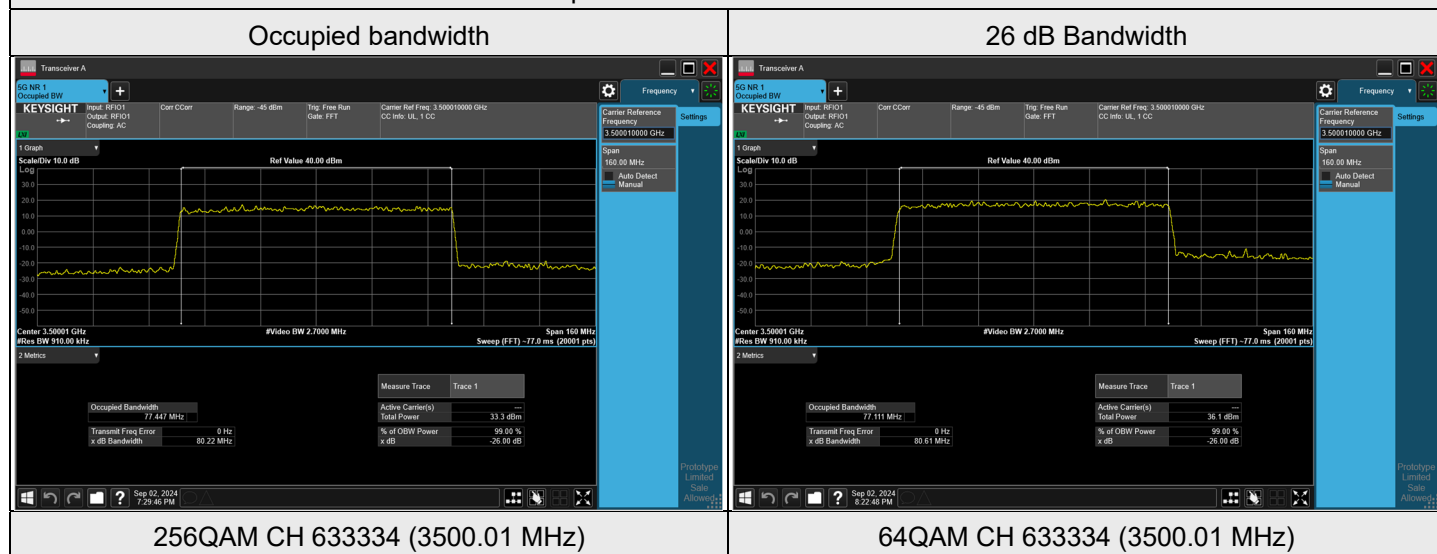
Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) - MIMO-Ant 0, Channel Bandwidth: 80 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	632668	3490.02	76.807	80.25
BPSK	633334	3500.01	76.931	80.25
BPSK	634000	3510	76.870	80.08
QPSK	632668	3490.02	77.124	80.45
QPSK	633334	3500.01	77.074	80.34
QPSK	634000	3510	77.142	80.29
16QAM	632668	3490.02	77.271	80.39
16QAM	633334	3500.01	77.285	80.32
16QAM	634000	3510	77.346	80.33
64QAM	632668	3490.02	77.121	80.56
64QAM	633334	3500.01	77.111	80.61
64QAM	634000	3510	77.112	80.33
256QAM	632668	3490.02	77.411	80.06
256QAM	633334	3500.01	77.447	80.22
256QAM	634000	3510	77.364	80.28

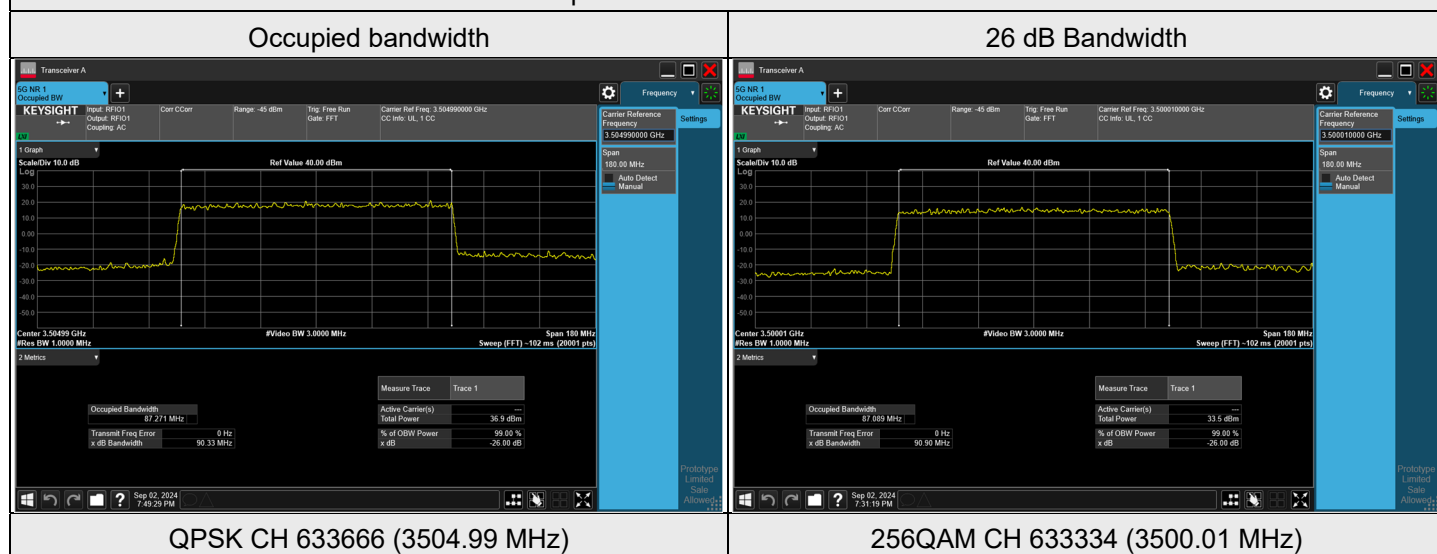
Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) - MIMO-Ant 0, Channel Bandwidth: 90 MHz

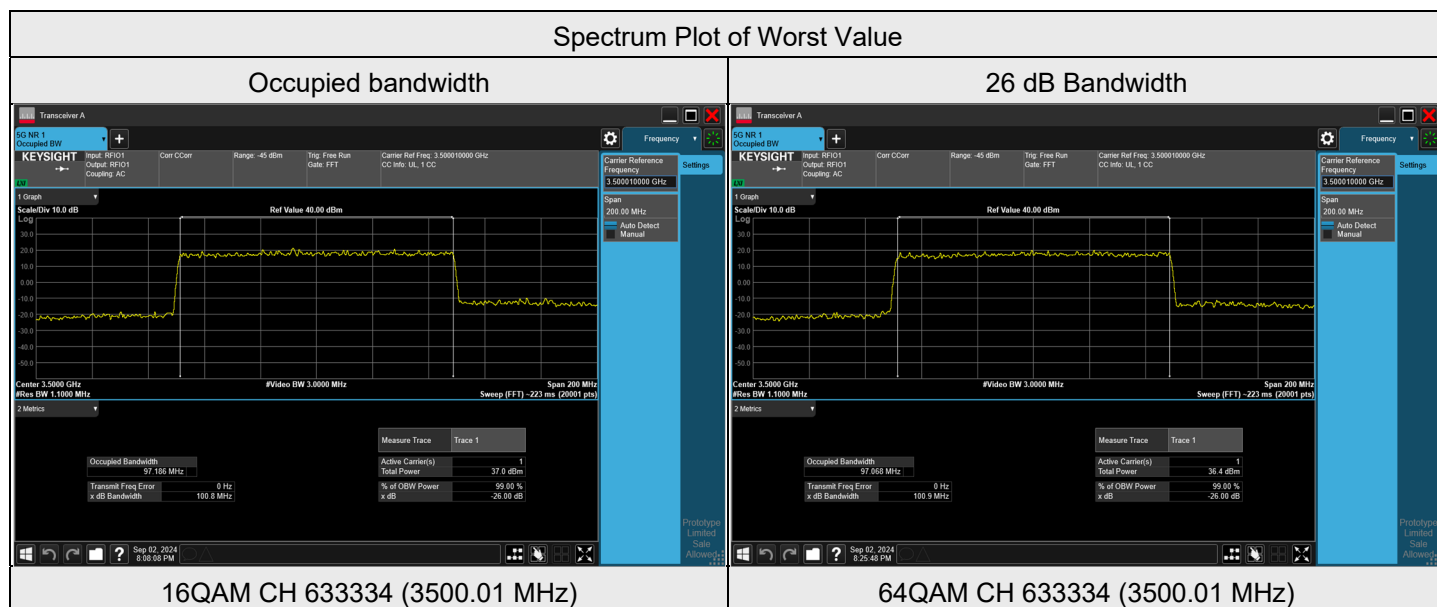
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	633000	3495	86.672	90.14
BPSK	633334	3500.01	86.617	90.33
BPSK	633666	3504.99	86.625	90.33
QPSK	633000	3495	87.125	90.51
QPSK	633334	3500.01	87.159	90.36
QPSK	633666	3504.99	87.271	90.33
16QAM	633000	3495	87.069	90.47
16QAM	633334	3500.01	87.193	90.52
16QAM	633666	3504.99	87.194	90.47
64QAM	633000	3495	87.072	90.68
64QAM	633334	3500.01	87.108	90.43
64QAM	633666	3504.99	87.106	90.66
256QAM	633000	3495	86.964	90.61
256QAM	633334	3500.01	87.089	90.90
256QAM	633666	3504.99	87.195	90.44

Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) - MIMO-Ant 0, Channel Bandwidth: 100 MHz

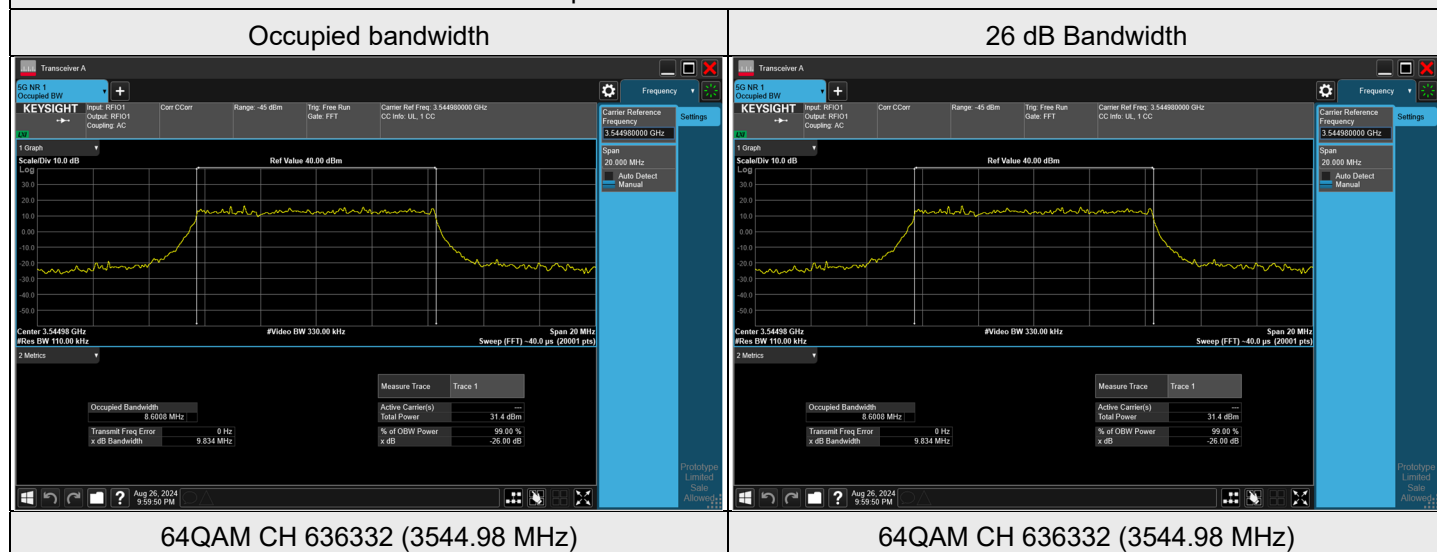
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	633334	3500.01	95.843	99.72
QPSK	633334	3500.01	97.027	100.8
16QAM	633334	3500.01	97.186	100.8
64QAM	633334	3500.01	97.068	100.9
256QAM	633334	3500.01	97.042	100.9



NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) - MIMO-Ant 3, Channel Bandwidth: 10 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	630334	3455.01	8.5426	9.382
BPSK	633334	3500.01	8.5801	9.651
BPSK	636332	3544.98	8.5546	9.449
QPSK	630334	3455.01	8.5708	9.660
QPSK	633334	3500.01	8.5886	9.651
QPSK	636332	3544.98	8.5742	9.776
16QAM	630334	3455.01	8.5687	9.280
16QAM	633334	3500.01	8.5805	9.759
16QAM	636332	3544.98	8.5782	9.573
64QAM	630334	3455.01	8.5928	9.783
64QAM	633334	3500.01	8.5766	9.745
64QAM	636332	3544.98	8.6008	9.834
256QAM	630334	3455.01	8.5947	9.667
256QAM	633334	3500.01	8.6005	9.782
256QAM	636332	3544.98	8.5847	9.590

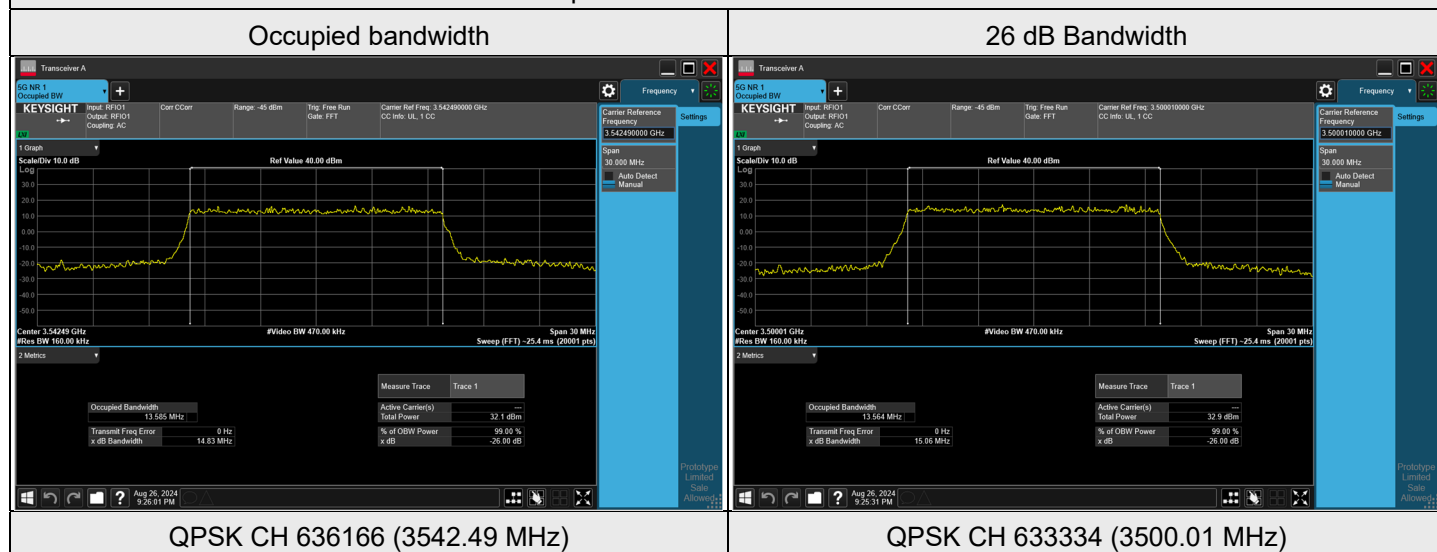
Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) - MIMO-Ant 3, Channel Bandwidth: 15 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	630500	3457.5	13.507	13.87
BPSK	633334	3500.01	13.510	13.90
BPSK	636166	3542.49	13.503	13.97
QPSK	630500	3457.5	13.579	15.04
QPSK	633334	3500.01	13.564	15.06
QPSK	636166	3542.49	13.585	14.83
16QAM	630500	3457.5	13.561	14.55
16QAM	633334	3500.01	13.572	14.86
16QAM	636166	3542.49	13.573	14.63
64QAM	630500	3457.5	13.561	14.72
64QAM	633334	3500.01	13.581	14.81
64QAM	636166	3542.49	13.570	14.96
256QAM	630500	3457.5	13.555	14.89
256QAM	633334	3500.01	13.543	14.79
256QAM	636166	3542.49	13.563	14.96

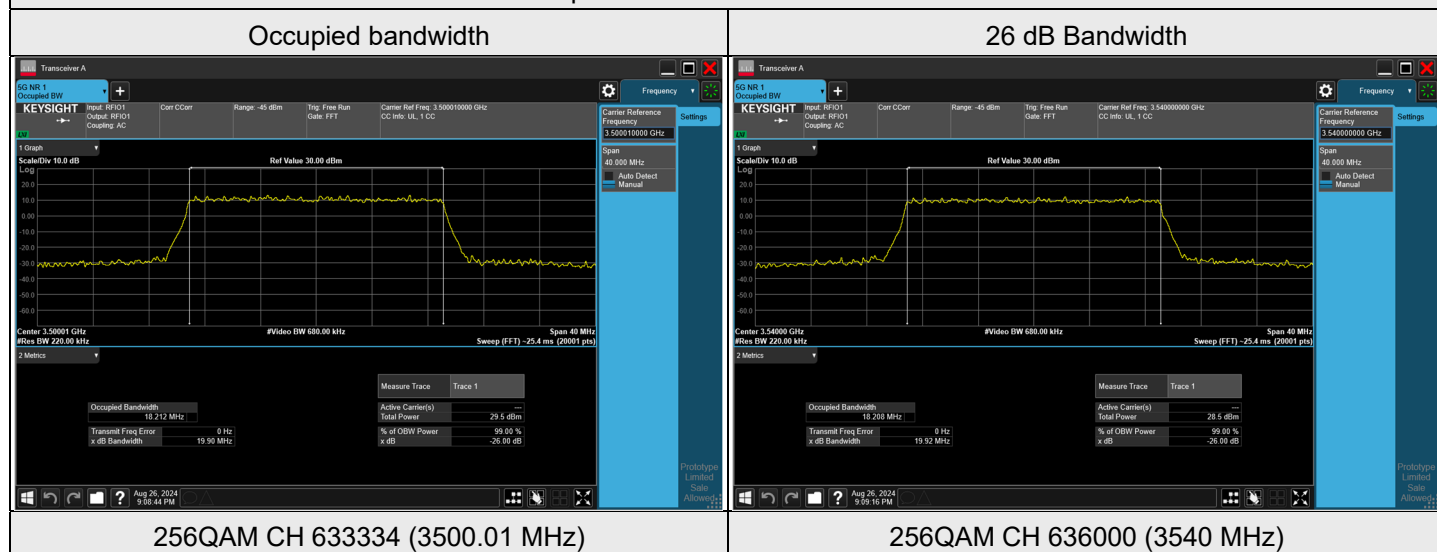
Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) - MIMO-Ant 3, Channel Bandwidth: 20 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	630668	3460.02	17.965	19.19
BPSK	633334	3500.01	17.954	19.03
BPSK	636000	3540	17.945	19.07
QPSK	630668	3460.02	18.176	19.81
QPSK	633334	3500.01	18.197	19.32
QPSK	636000	3540	18.197	19.89
16QAM	630668	3460.02	18.205	19.67
16QAM	633334	3500.01	18.204	19.55
16QAM	636000	3540	18.209	19.69
64QAM	630668	3460.02	18.193	19.67
64QAM	633334	3500.01	18.154	19.33
64QAM	636000	3540	18.186	19.51
256QAM	630668	3460.02	18.192	19.75
256QAM	633334	3500.01	18.212	19.90
256QAM	636000	3540	18.208	19.92

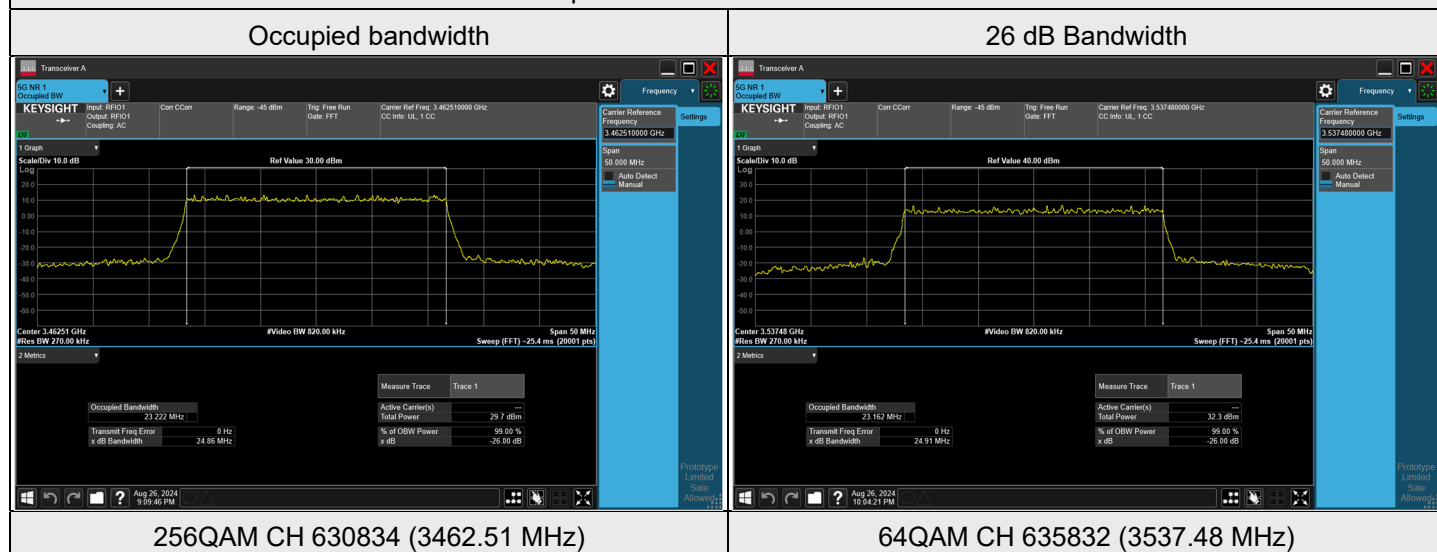
Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) - MIMO-Ant 3, Channel Bandwidth: 25 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	630834	3462.51	23.096	24.60
BPSK	633334	3500.01	23.102	24.73
BPSK	635832	3537.48	23.072	24.40
QPSK	630834	3462.51	23.162	24.67
QPSK	633334	3500.01	23.180	24.88
QPSK	635832	3537.48	23.212	24.84
16QAM	630834	3462.51	23.201	24.76
16QAM	633334	3500.01	23.205	24.70
16QAM	635832	3537.48	23.202	24.49
64QAM	630834	3462.51	23.175	24.67
64QAM	633334	3500.01	23.156	24.27
64QAM	635832	3537.48	23.162	24.91
256QAM	630834	3462.51	23.222	24.86
256QAM	633334	3500.01	23.181	24.84
256QAM	635832	3537.48	23.202	24.91

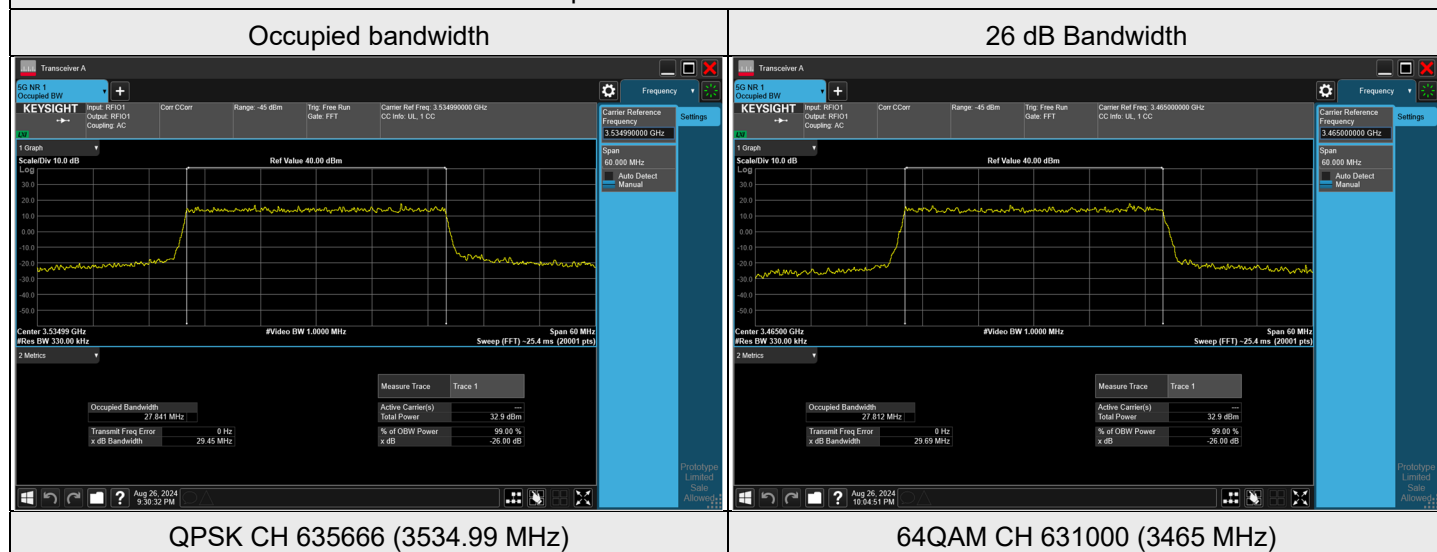
Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) - MIMO-Ant 3, Channel Bandwidth: 30 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	631000	3465	27.576	28.47
BPSK	633334	3500.01	27.595	28.64
BPSK	635666	3534.99	27.591	28.71
QPSK	631000	3465	27.817	29.59
QPSK	633334	3500.01	27.816	29.39
QPSK	635666	3534.99	27.841	29.45
16QAM	631000	3465	27.765	29.21
16QAM	633334	3500.01	27.747	29.28
16QAM	635666	3534.99	27.771	29.30
64QAM	631000	3465	27.812	29.69
64QAM	633334	3500.01	27.793	29.60
64QAM	635666	3534.99	27.819	29.69
256QAM	631000	3465	27.795	29.51
256QAM	633334	3500.01	27.776	29.56
256QAM	635666	3534.99	27.794	29.54

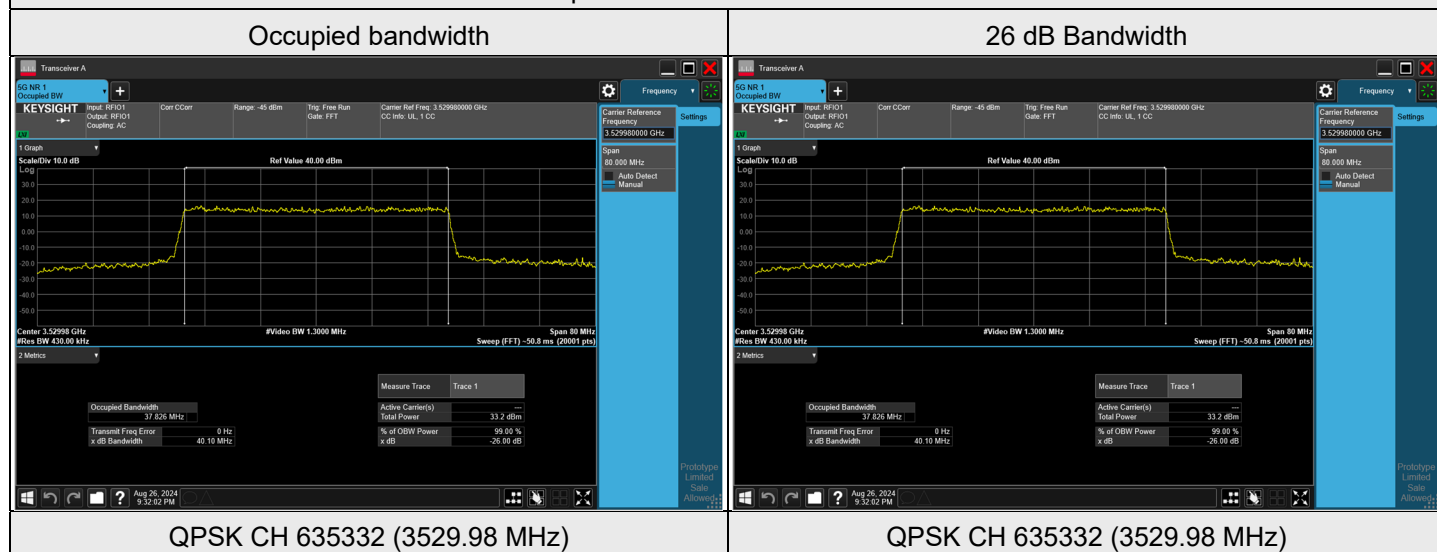
Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) - MIMO-Ant 3, Channel Bandwidth: 40 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	631334	3470.01	37.321	37.78
BPSK	633334	3500.01	37.377	37.49
BPSK	635332	3529.98	37.459	37.83
QPSK	631334	3470.01	37.809	39.80
QPSK	633334	3500.01	37.809	39.72
QPSK	635332	3529.98	37.826	40.10
16QAM	631334	3470.01	37.755	39.71
16QAM	633334	3500.01	37.690	39.51
16QAM	635332	3529.98	37.755	39.64
64QAM	631334	3470.01	37.752	40.00
64QAM	633334	3500.01	37.697	39.91
64QAM	635332	3529.98	37.748	39.78
256QAM	631334	3470.01	37.636	39.67
256QAM	633334	3500.01	37.634	39.54
256QAM	635332	3529.98	37.697	39.88

Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) - MIMO-Ant 3, Channel Bandwidth: 50 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	631668	3475.02	46.881	48.24
BPSK	633334	3500.01	46.913	48.00
BPSK	635000	3525	47.071	47.99
QPSK	631668	3475.02	47.393	49.79
QPSK	633334	3500.01	47.322	49.75
QPSK	635000	3525	47.455	49.72
16QAM	631668	3475.02	47.354	49.71
16QAM	633334	3500.01	47.314	49.48
16QAM	635000	3525	47.431	49.74
64QAM	631668	3475.02	47.461	49.86
64QAM	633334	3500.01	47.405	49.92
64QAM	635000	3525	47.482	49.70
256QAM	631668	3475.02	47.383	49.94
256QAM	633334	3500.01	47.314	49.76
256QAM	635000	3525	47.413	49.84

Spectrum Plot of Worst Value

