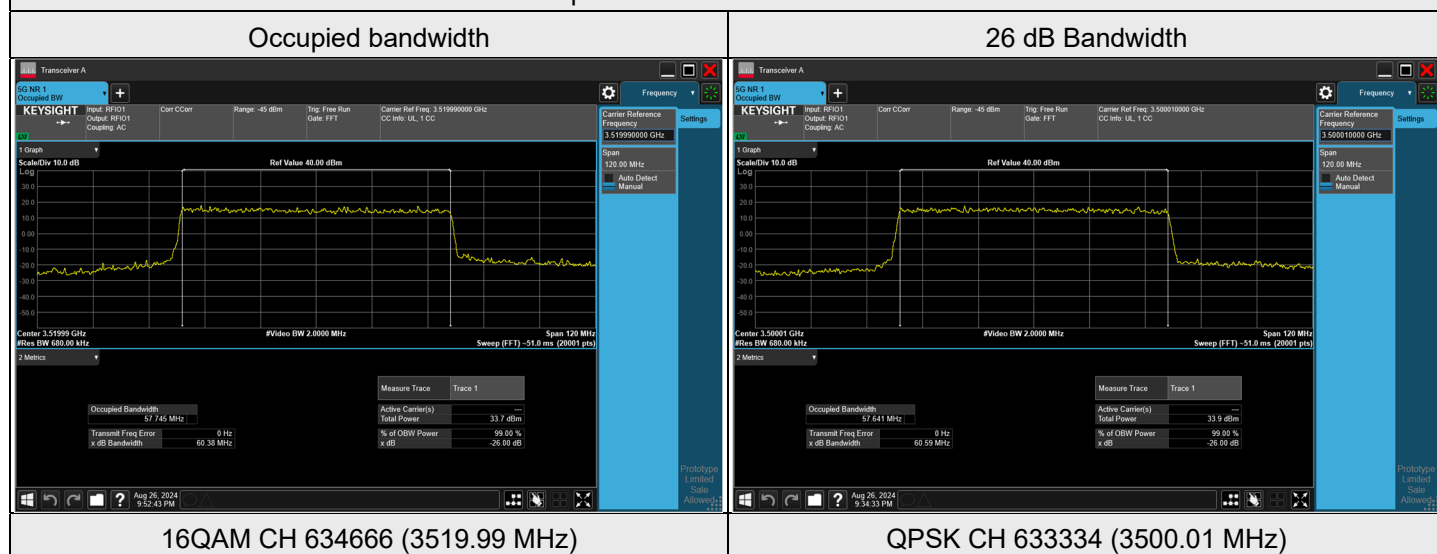


NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) - MIMO-Ant 3, Channel Bandwidth: 60 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	632000	3480	57.605	60.42
BPSK	633334	3500.01	57.627	60.33
BPSK	634666	3519.99	57.678	60.39
QPSK	632000	3480	57.676	60.45
QPSK	633334	3500.01	57.641	60.59
QPSK	634666	3519.99	57.724	60.44
16QAM	632000	3480	57.649	60.19
16QAM	633334	3500.01	57.642	60.23
16QAM	634666	3519.99	57.745	60.38
64QAM	632000	3480	57.675	60.09
64QAM	633334	3500.01	57.629	60.29
64QAM	634666	3519.99	57.700	60.20
256QAM	632000	3480	57.590	60.16
256QAM	633334	3500.01	57.570	60.12
256QAM	634666	3519.99	57.700	60.17

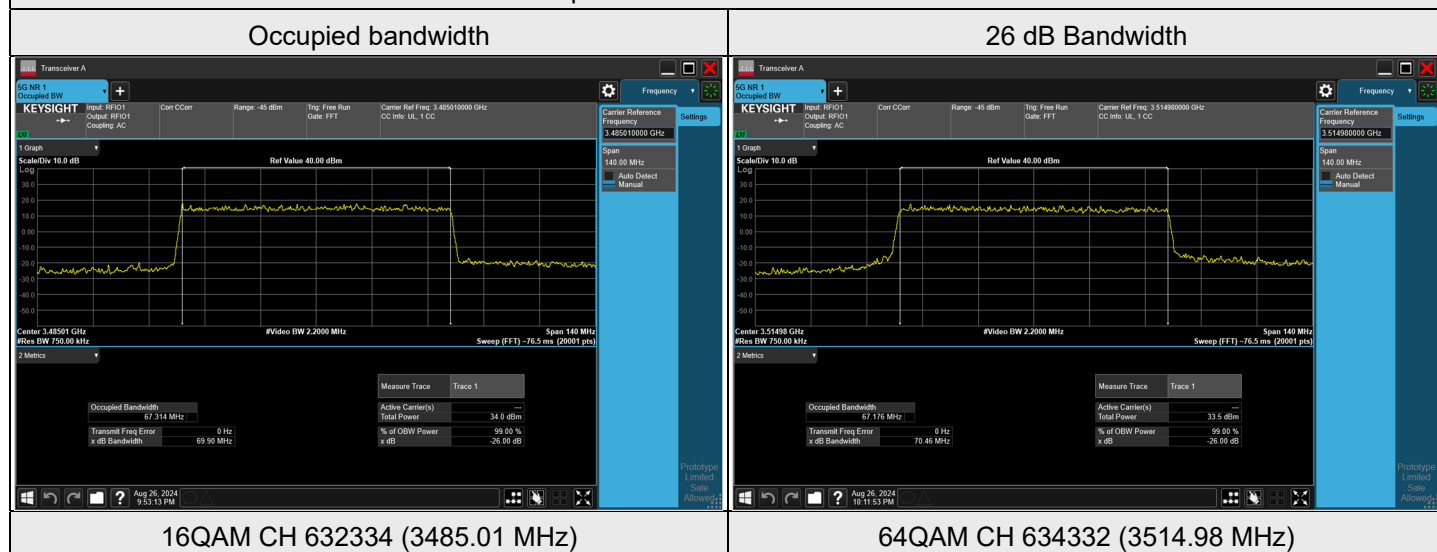
Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) - MIMO-Ant 3, Channel Bandwidth: 70 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	632334	3485.01	66.703	66.92
BPSK	633334	3500.01	66.703	66.83
BPSK	634332	3514.98	66.878	66.78
QPSK	632334	3485.01	67.108	70.12
QPSK	633334	3500.01	67.186	70.30
QPSK	634332	3514.98	67.246	70.38
16QAM	632334	3485.01	67.314	69.90
16QAM	633334	3500.01	67.172	69.92
16QAM	634332	3514.98	67.258	69.93
64QAM	632334	3485.01	67.049	69.97
64QAM	633334	3500.01	67.064	70.29
64QAM	634332	3514.98	67.176	70.46
256QAM	632334	3485.01	67.131	69.65
256QAM	633334	3500.01	67.091	69.91
256QAM	634332	3514.98	67.234	69.88

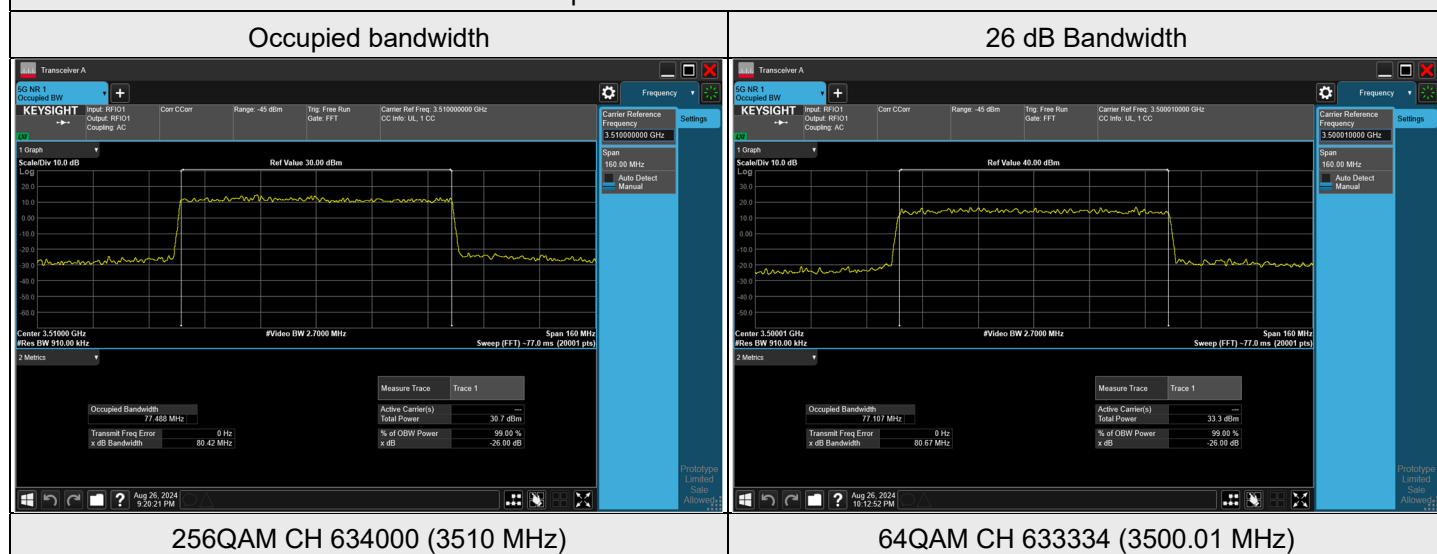
Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) - MIMO-Ant 3, Channel Bandwidth: 80 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	632668	3490.02	76.871	80.11
BPSK	633334	3500.01	76.871	80.17
BPSK	634000	3510	77.030	80.12
QPSK	632668	3490.02	77.266	80.50
QPSK	633334	3500.01	77.105	80.44
QPSK	634000	3510	77.233	80.48
16QAM	632668	3490.02	77.250	80.46
16QAM	633334	3500.01	77.234	80.22
16QAM	634000	3510	77.368	80.58
64QAM	632668	3490.02	77.314	80.57
64QAM	633334	3500.01	77.107	80.67
64QAM	634000	3510	77.173	80.63
256QAM	632668	3490.02	77.473	80.23
256QAM	633334	3500.01	77.448	80.26
256QAM	634000	3510	77.488	80.42

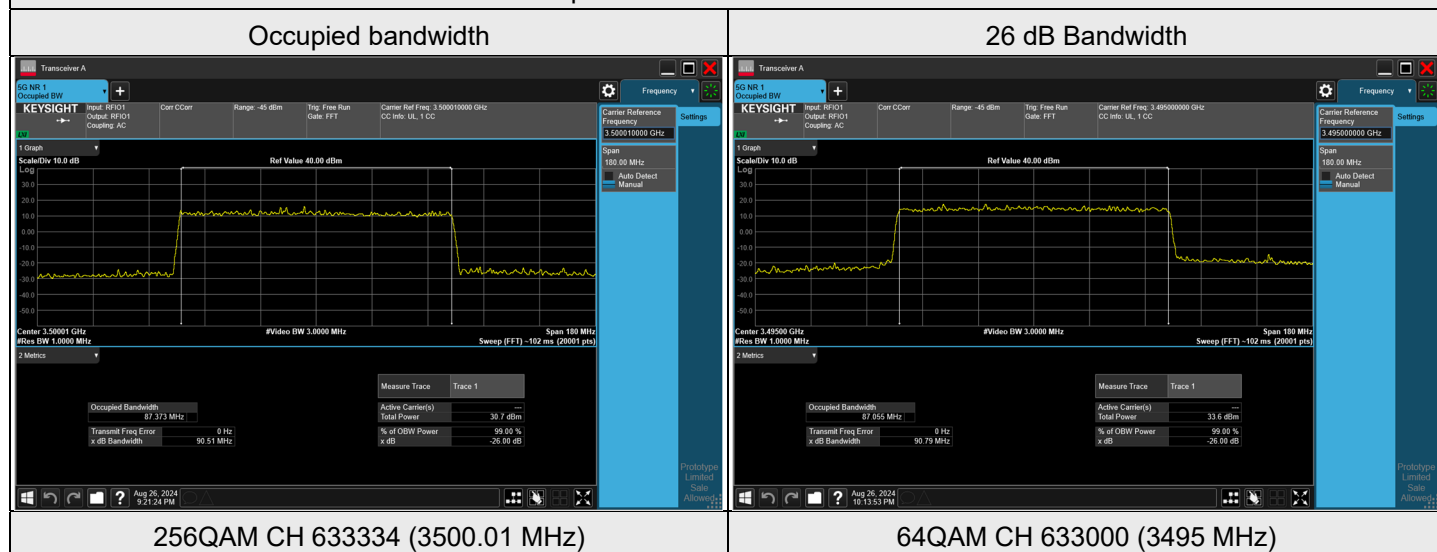
Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) - MIMO-Ant 3, Channel Bandwidth: 90 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	633000	3495	86.769	90.14
BPSK	633334	3500.01	87.036	90.27
BPSK	633666	3504.99	86.706	90.27
QPSK	633000	3495	87.290	90.62
QPSK	633334	3500.01	87.303	90.38
QPSK	633666	3504.99	87.145	90.25
16QAM	633000	3495	87.176	90.50
16QAM	633334	3500.01	87.146	90.41
16QAM	633666	3504.99	87.129	90.40
64QAM	633000	3495	87.055	90.79
64QAM	633334	3500.01	87.091	90.39
64QAM	633666	3504.99	87.160	90.79
256QAM	633000	3495	87.066	90.43
256QAM	633334	3500.01	87.373	90.51
256QAM	633666	3504.99	87.012	90.52

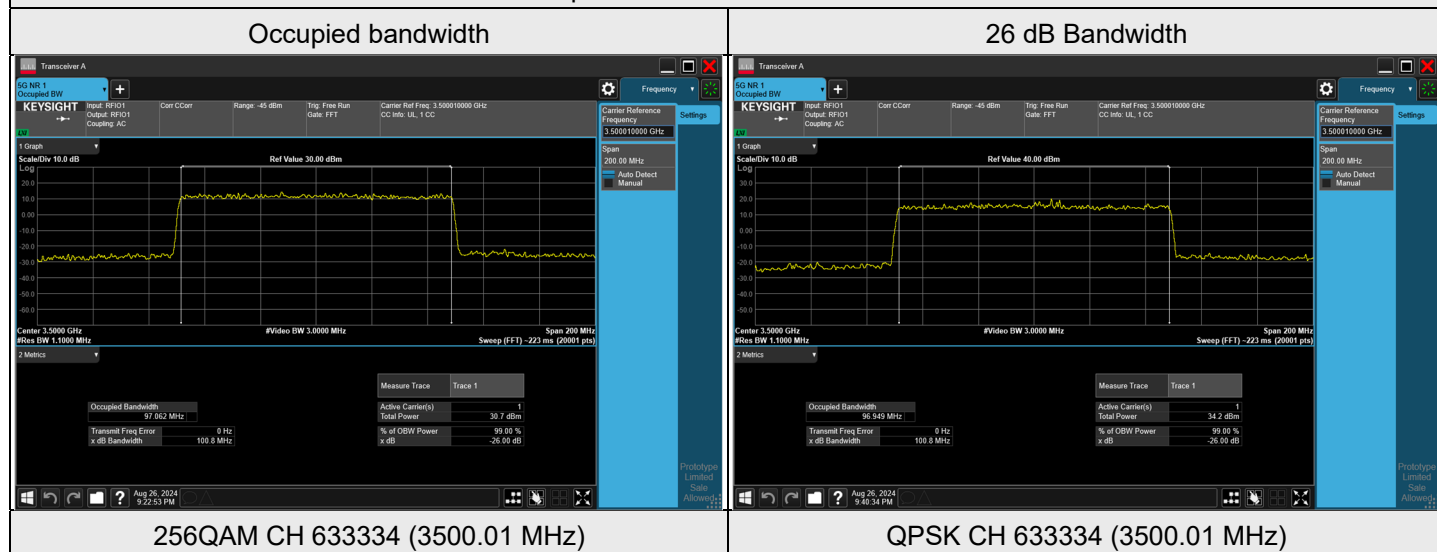
Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) - MIMO-Ant 3, Channel Bandwidth: 100 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	633334	3500.01	96.102	99.47
QPSK	633334	3500.01	96.949	100.8
16QAM	633334	3500.01	97.009	100.6
64QAM	633334	3500.01	97.026	100.7
256QAM	633334	3500.01	97.062	100.8

Spectrum Plot of Worst Value

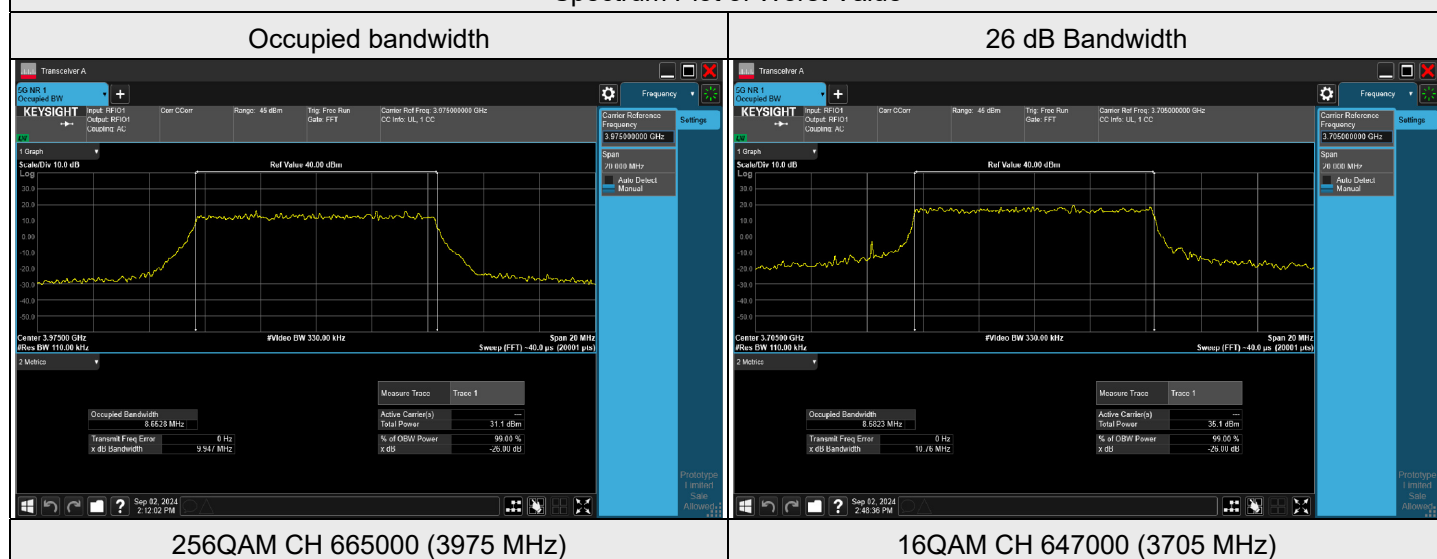


7.4.10 NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz)

NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) - MIMO-Ant 0, Channel Bandwidth: 10 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	647000	3705	8.5490	9.595
BPSK	656000	3840	8.5721	9.506
BPSK	665000	3975	8.5628	9.557
QPSK	647000	3705	8.5763	9.431
QPSK	656000	3840	8.6126	9.774
QPSK	665000	3975	8.5547	9.442
16QAM	647000	3705	8.5823	10.76
16QAM	656000	3840	8.5842	9.587
16QAM	665000	3975	8.5568	9.584
64QAM	647000	3705	8.5881	9.829
64QAM	656000	3840	8.5785	9.829
64QAM	665000	3975	8.5925	9.709
256QAM	647000	3705	8.5823	9.803
256QAM	656000	3840	8.5769	9.623
256QAM	665000	3975	8.6528	9.947

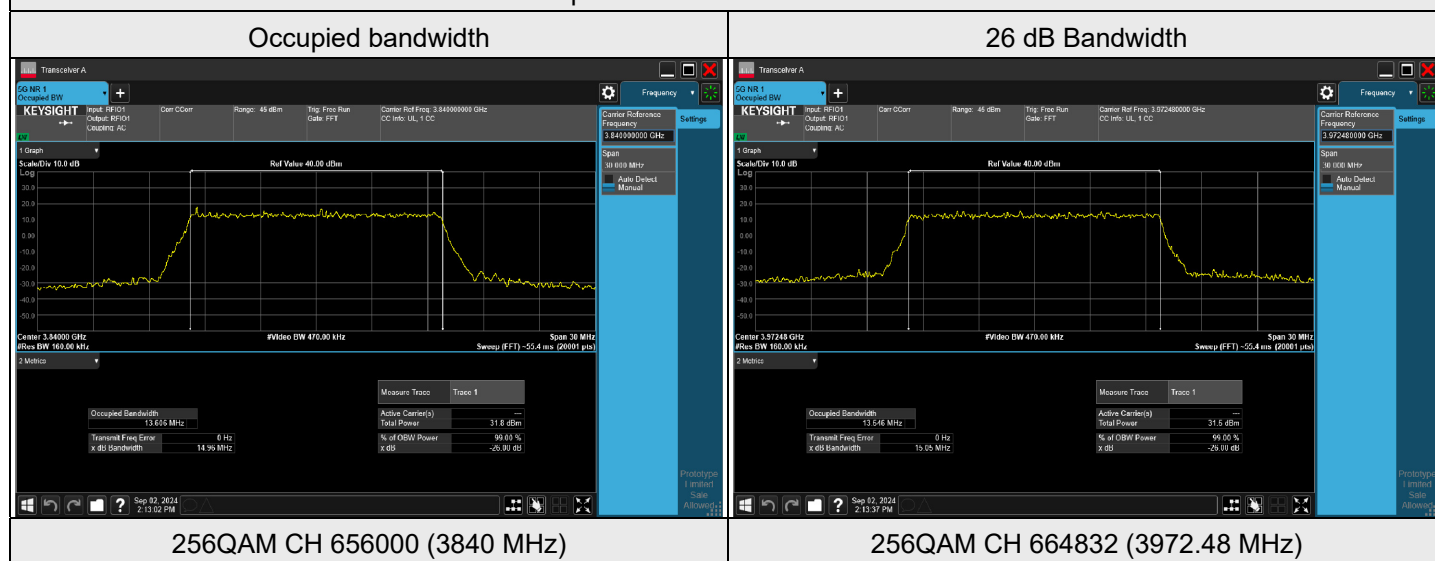
Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) - MIMO-Ant 0, Channel Bandwidth: 15 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	647168	3707.52	13.510	13.93
BPSK	656000	3840	13.510	13.88
BPSK	664832	3972.48	13.494	13.94
QPSK	647168	3707.52	13.588	15.02
QPSK	656000	3840	13.560	14.73
QPSK	664832	3972.48	13.573	14.87
16QAM	647168	3707.52	13.575	14.60
16QAM	656000	3840	13.587	14.94
16QAM	664832	3972.48	13.560	14.59
64QAM	647168	3707.52	13.564	15.04
64QAM	656000	3840	13.573	14.72
64QAM	664832	3972.48	13.555	14.77
256QAM	647168	3707.52	13.585	14.80
256QAM	656000	3840	13.606	14.96
256QAM	664832	3972.48	13.546	15.05

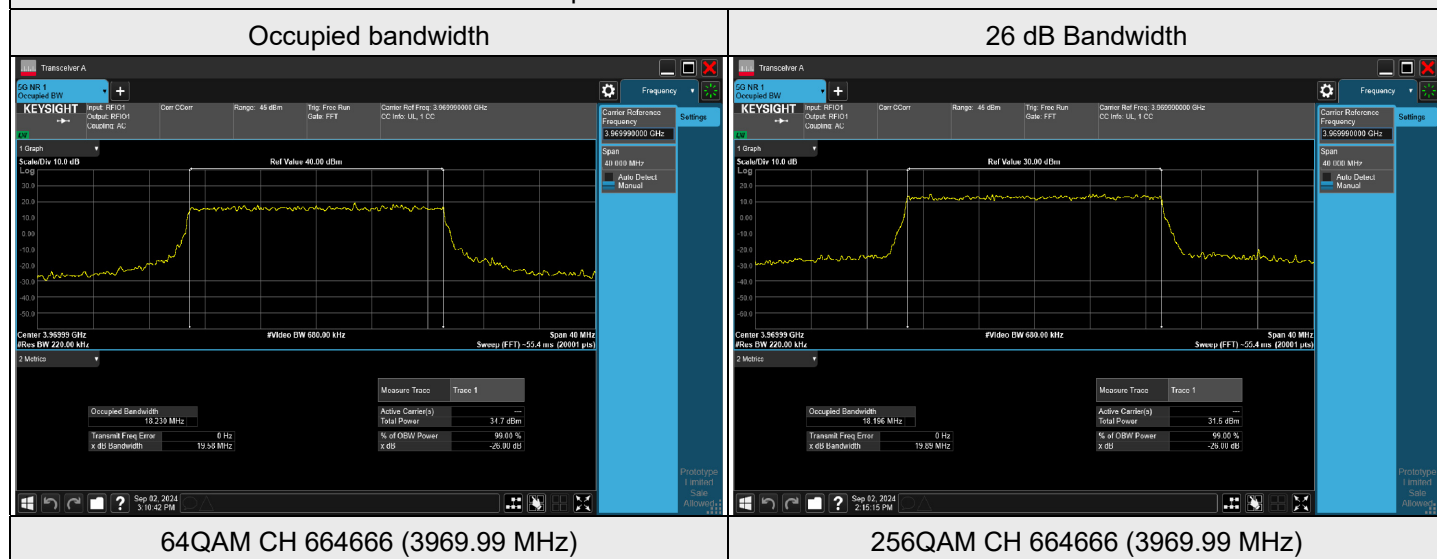
Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) - MIMO-Ant 0, Channel Bandwidth: 20 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	647334	3710.01	17.960	19.10
BPSK	656000	3840	17.938	19.02
BPSK	664666	3969.99	17.945	19.00
QPSK	647334	3710.01	18.188	19.60
QPSK	656000	3840	18.185	19.55
QPSK	664666	3969.99	18.169	19.66
16QAM	647334	3710.01	18.208	19.64
16QAM	656000	3840	18.212	19.62
16QAM	664666	3969.99	18.202	19.67
64QAM	647334	3710.01	18.197	19.64
64QAM	656000	3840	18.165	19.38
64QAM	664666	3969.99	18.230	19.58
256QAM	647334	3710.01	18.217	19.85
256QAM	656000	3840	18.193	19.71
256QAM	664666	3969.99	18.196	19.89

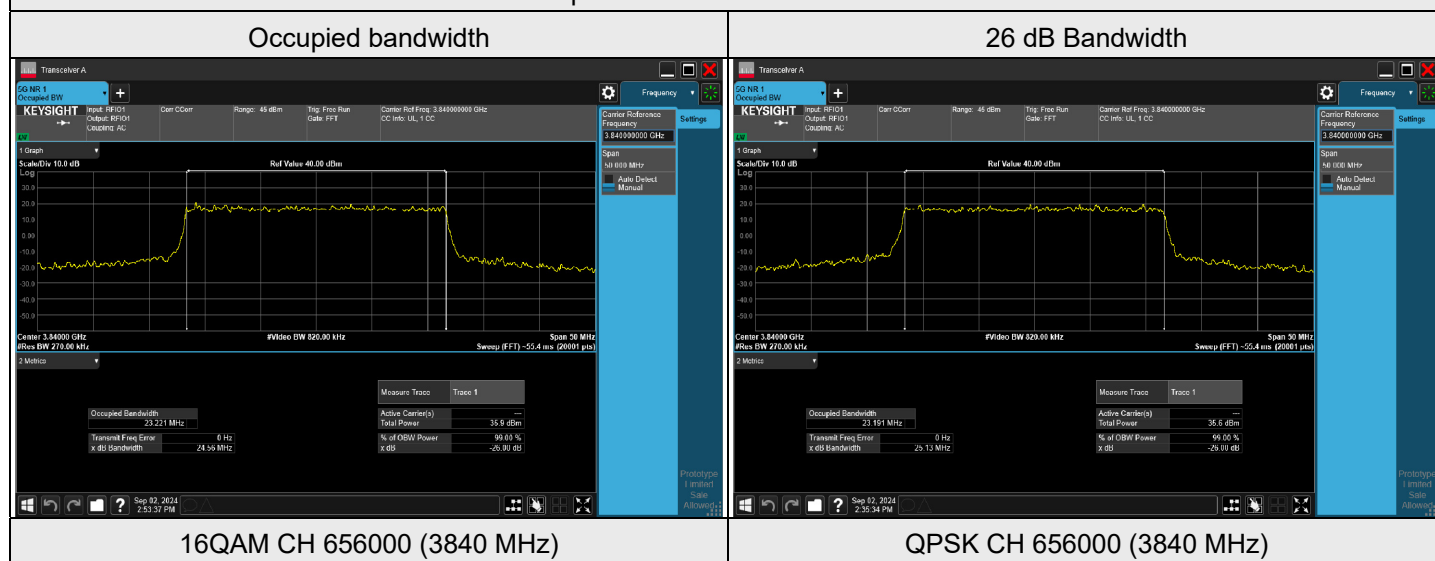
Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) - MIMO-Ant 0, Channel Bandwidth: 25 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	647500	3712.5	23.152	24.74
BPSK	656000	3840	23.076	24.59
BPSK	664500	3967.5	23.037	24.47
QPSK	647500	3712.5	23.185	24.95
QPSK	656000	3840	23.191	25.13
QPSK	664500	3967.5	23.181	24.86
16QAM	647500	3712.5	23.191	24.61
16QAM	656000	3840	23.221	24.56
16QAM	664500	3967.5	23.182	24.68
64QAM	647500	3712.5	23.177	24.62
64QAM	656000	3840	23.161	24.76
64QAM	664500	3967.5	23.147	25.08
256QAM	647500	3712.5	23.147	24.65
256QAM	656000	3840	23.187	24.85
256QAM	664500	3967.5	23.182	24.88

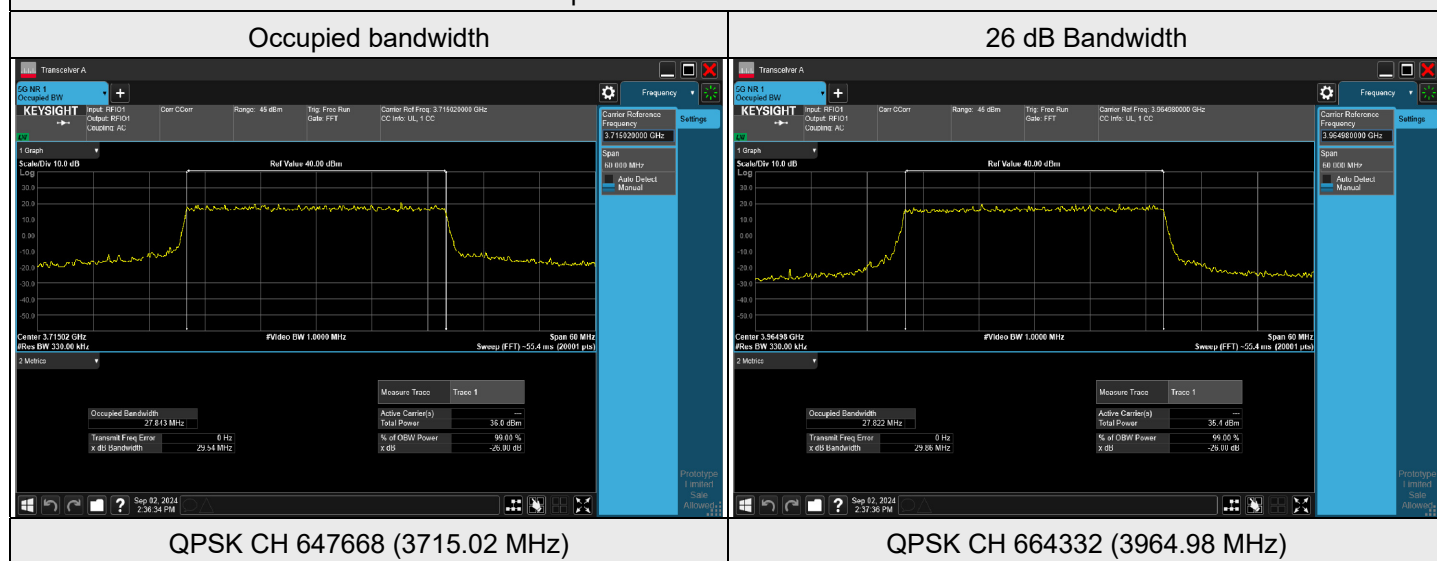
Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) - MIMO-Ant 0, Channel Bandwidth: 30 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	647668	3715.02	27.578	28.56
BPSK	656000	3840	27.549	28.58
BPSK	664332	3964.98	27.469	28.55
QPSK	647668	3715.02	27.843	29.54
QPSK	656000	3840	27.806	29.58
QPSK	664332	3964.98	27.822	29.86
16QAM	647668	3715.02	27.787	29.05
16QAM	656000	3840	27.768	29.52
16QAM	664332	3964.98	27.765	29.48
64QAM	647668	3715.02	27.799	29.66
64QAM	656000	3840	27.775	29.73
64QAM	664332	3964.98	27.769	29.64
256QAM	647668	3715.02	27.782	29.60
256QAM	656000	3840	27.780	29.55
256QAM	664332	3964.98	27.770	29.35

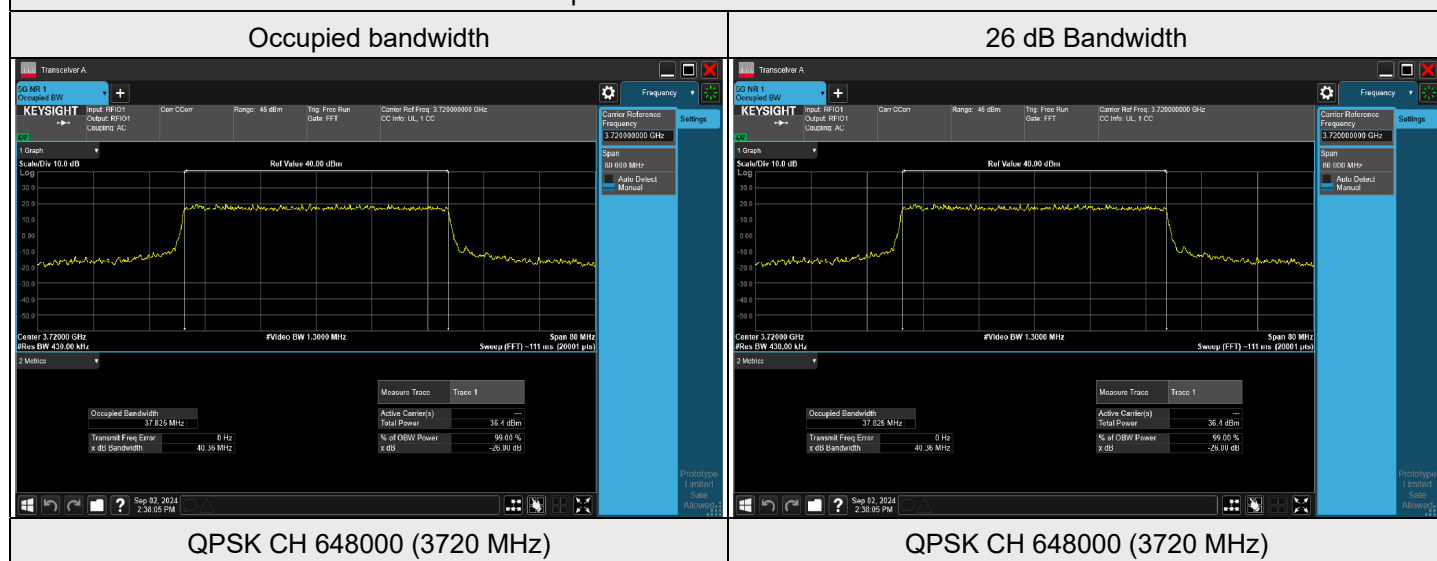
Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) - MIMO-Ant 0, Channel Bandwidth: 40 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	648000	3720	37.355	37.41
BPSK	656000	3840	37.313	37.60
BPSK	664000	3960	37.233	37.85
QPSK	648000	3720	37.825	40.36
QPSK	656000	3840	37.776	39.87
QPSK	664000	3960	37.804	39.87
16QAM	648000	3720	37.729	39.75
16QAM	656000	3840	37.689	39.56
16QAM	664000	3960	37.728	39.58
64QAM	648000	3720	37.755	39.80
64QAM	656000	3840	37.724	39.99
64QAM	664000	3960	37.705	39.36
256QAM	648000	3720	37.649	39.72
256QAM	656000	3840	37.649	39.77
256QAM	664000	3960	37.683	39.86

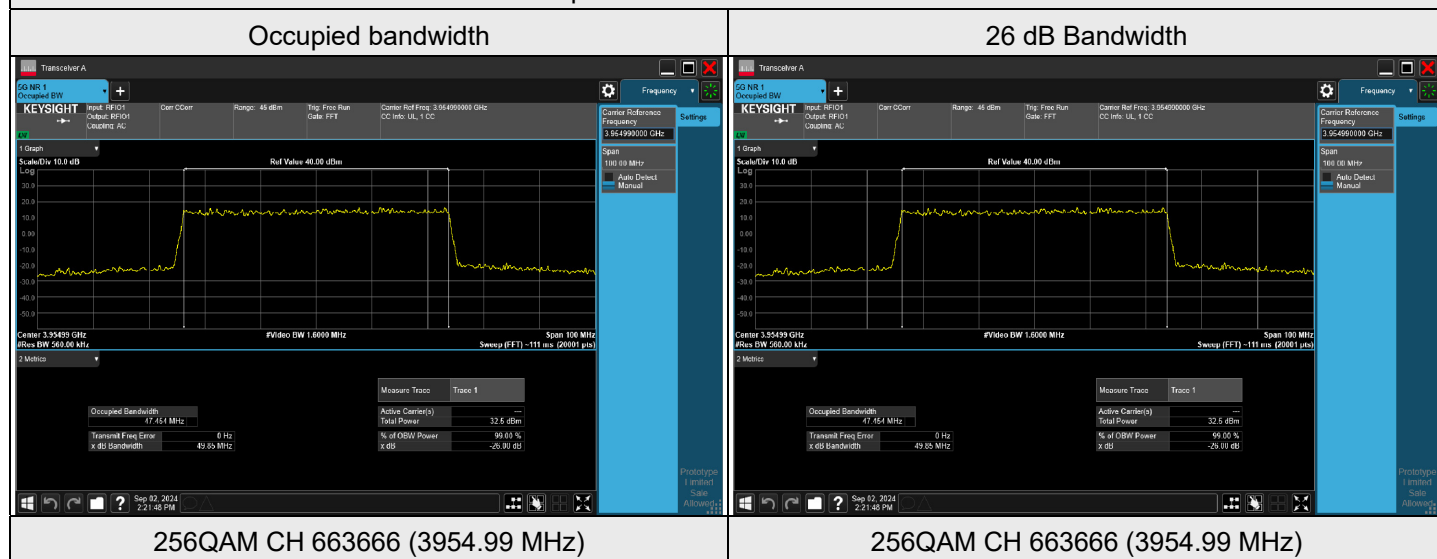
Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) - MIMO-Ant 0, Channel Bandwidth: 50 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	648334	3725.01	46.971	48.01
BPSK	656000	3840	46.932	47.96
BPSK	663666	3954.99	46.843	47.99
QPSK	648334	3725.01	47.422	49.77
QPSK	656000	3840	47.375	49.68
QPSK	663666	3954.99	47.375	49.68
16QAM	648334	3725.01	47.392	49.81
16QAM	656000	3840	47.341	49.66
16QAM	663666	3954.99	47.383	49.77
64QAM	648334	3725.01	47.432	49.81
64QAM	656000	3840	47.432	49.67
64QAM	663666	3954.99	47.433	49.78
256QAM	648334	3725.01	47.380	49.77
256QAM	656000	3840	47.341	49.84
256QAM	663666	3954.99	47.454	49.85

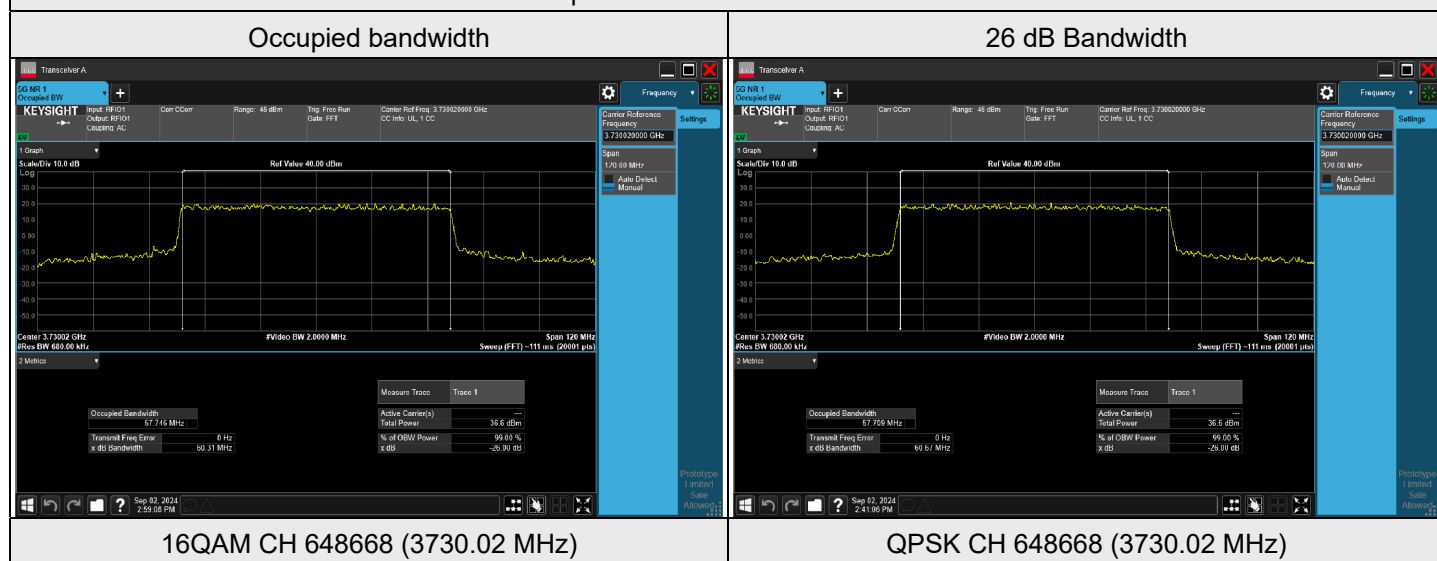
Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) - MIMO-Ant 0, Channel Bandwidth: 60 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	648668	3730.02	57.684	60.37
BPSK	656000	3840	57.601	60.38
BPSK	663332	3949.98	57.663	60.33
QPSK	648668	3730.02	57.709	60.67
QPSK	656000	3840	57.722	60.52
QPSK	663332	3949.98	57.676	60.41
16QAM	648668	3730.02	57.746	60.31
16QAM	656000	3840	57.709	60.25
16QAM	663332	3949.98	57.725	60.13
64QAM	648668	3730.02	57.688	60.09
64QAM	656000	3840	57.663	60.19
64QAM	663332	3949.98	57.710	59.74
256QAM	648668	3730.02	57.677	60.22
256QAM	656000	3840	57.580	60.36
256QAM	663332	3949.98	57.709	60.46

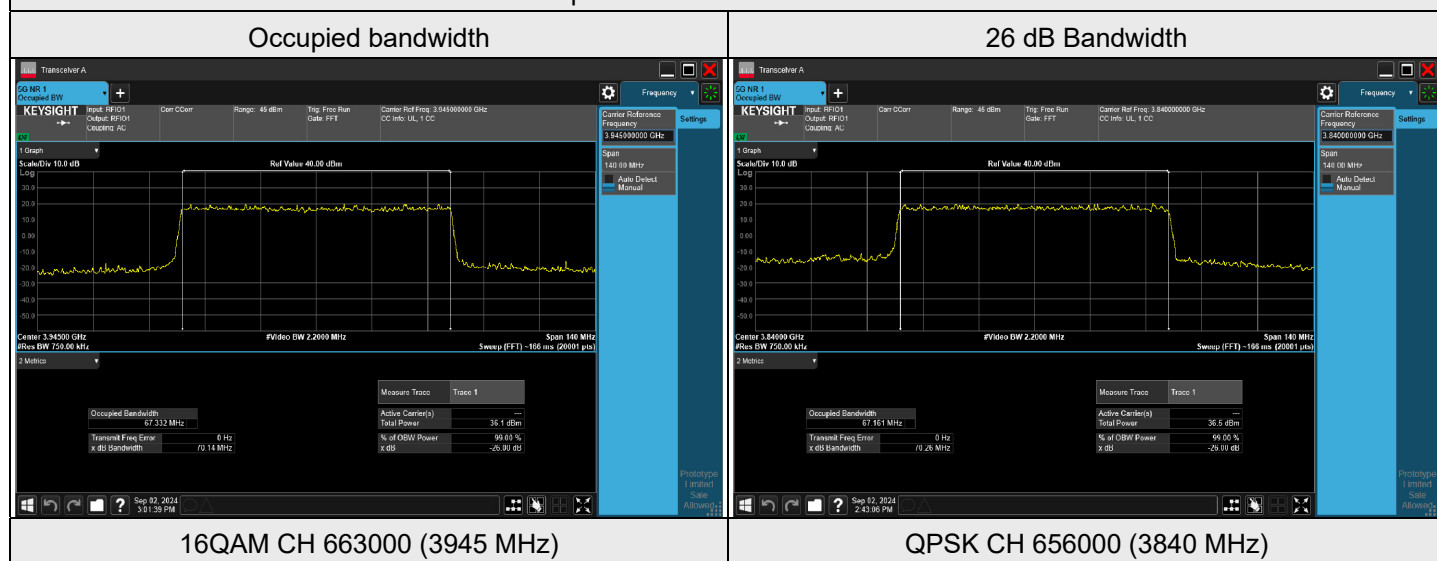
Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) - MIMO-Ant 0, Channel Bandwidth: 70 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	649000	3735	66.854	66.82
BPSK	656000	3840	66.770	66.95
BPSK	663000	3945	67.146	66.98
QPSK	649000	3735	67.315	70.22
QPSK	656000	3840	67.161	70.26
QPSK	663000	3945	67.234	70.24
16QAM	649000	3735	67.277	70.14
16QAM	656000	3840	67.202	70.24
16QAM	663000	3945	67.332	70.14
64QAM	649000	3735	67.175	70.22
64QAM	656000	3840	67.150	70.16
64QAM	663000	3945	67.303	70.22
256QAM	649000	3735	67.202	70.10
256QAM	656000	3840	67.178	69.94
256QAM	663000	3945	67.290	69.76

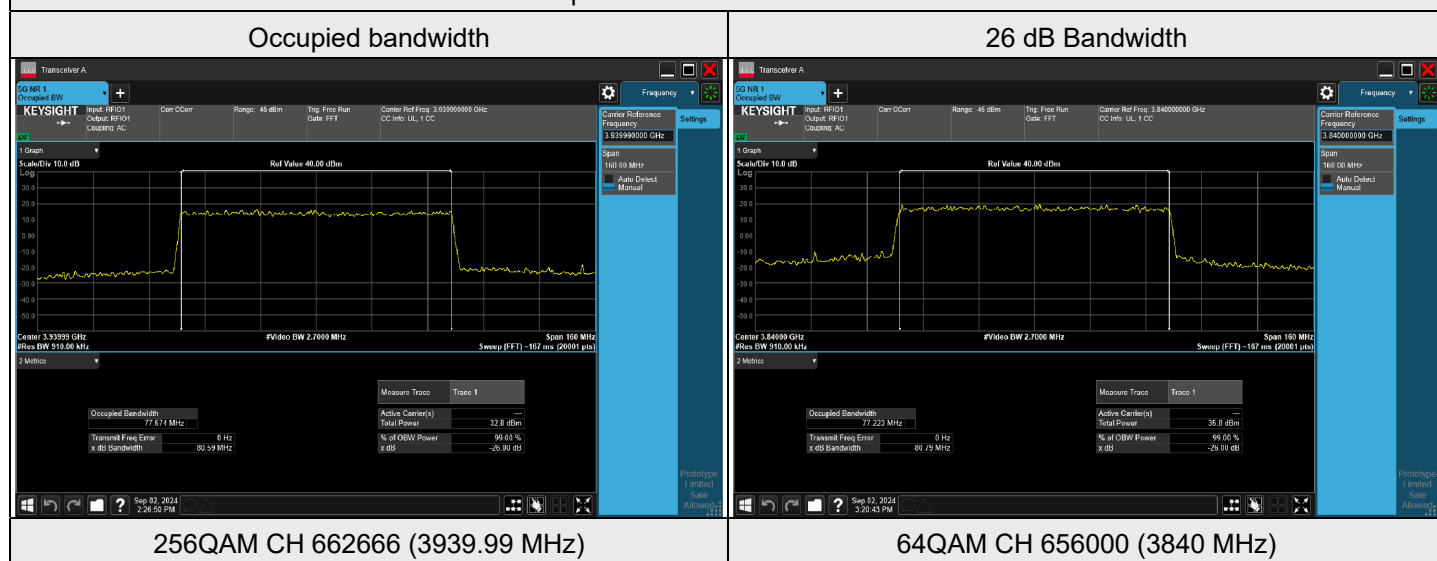
Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) - MIMO-Ant 0, Channel Bandwidth: 80 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	649334	3740.01	76.949	80.27
BPSK	656000	3840	76.897	80.35
BPSK	662666	3939.99	77.041	80.31
QPSK	649334	3740.01	77.235	80.56
QPSK	656000	3840	77.235	80.42
QPSK	662666	3939.99	77.335	80.68
16QAM	649334	3740.01	77.332	80.24
16QAM	656000	3840	77.299	80.28
16QAM	662666	3939.99	77.381	80.50
64QAM	649334	3740.01	77.299	80.65
64QAM	656000	3840	77.223	80.79
64QAM	662666	3939.99	77.252	80.63
256QAM	649334	3740.01	77.445	80.05
256QAM	656000	3840	77.537	80.28
256QAM	662666	3939.99	77.574	80.59

Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) - MIMO-Ant 0, Channel Bandwidth: 90 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	649668	3745.02	86.981	90.20
BPSK	656000	3840	86.819	90.20
BPSK	662332	3934.98	86.872	90.00
QPSK	649668	3745.02	87.229	90.43
QPSK	656000	3840	87.286	90.42
QPSK	662332	3934.98	87.413	90.45
16QAM	649668	3745.02	87.304	90.56
16QAM	656000	3840	87.305	90.53
16QAM	662332	3934.98	87.300	90.55
64QAM	649668	3745.02	87.128	90.77
64QAM	656000	3840	87.193	90.66
64QAM	662332	3934.98	87.234	90.60
256QAM	649668	3745.02	87.144	90.41
256QAM	656000	3840	87.165	90.69
256QAM	662332	3934.98	87.430	90.40

Spectrum Plot of Worst Value

