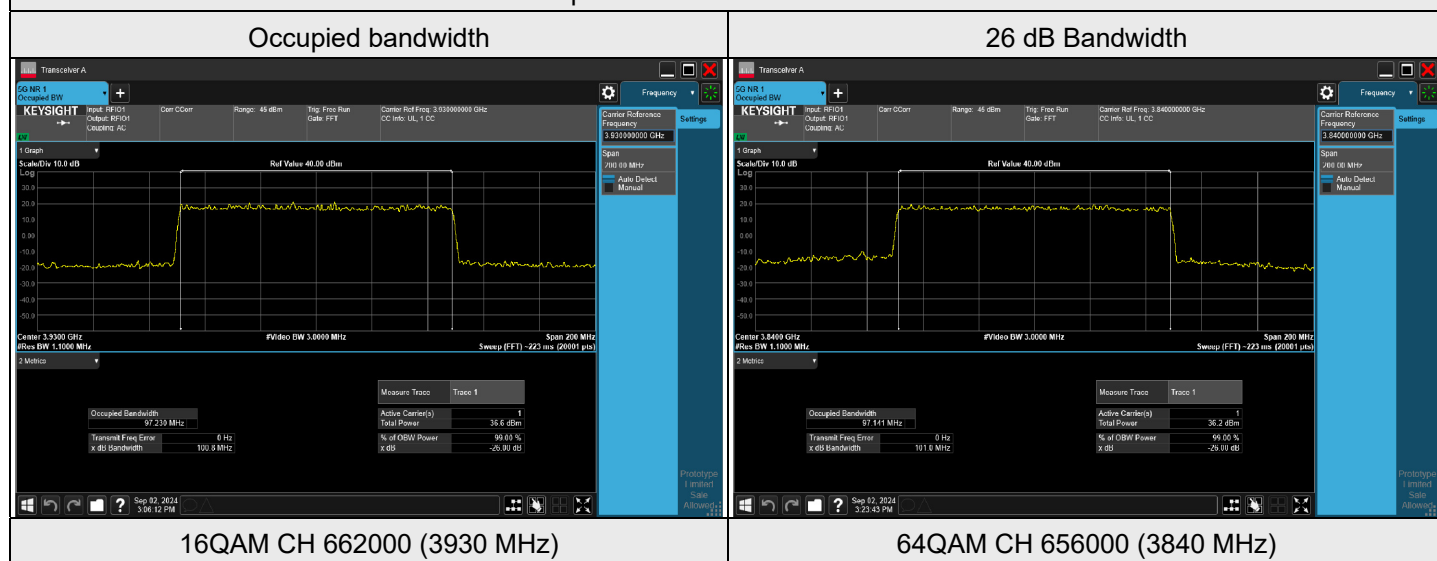


NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) - MIMO-Ant 0, Channel Bandwidth: 100 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	650000	3750	96.485	99.76
BPSK	656000	3840	96.189	99.95
BPSK	662000	3930	96.290	99.84
QPSK	650000	3750	97.144	100.9
QPSK	656000	3840	97.064	100.8
QPSK	662000	3930	97.120	100.8
16QAM	650000	3750	97.085	100.8
16QAM	656000	3840	97.082	100.8
16QAM	662000	3930	97.230	100.8
64QAM	650000	3750	97.050	100.9
64QAM	656000	3840	97.141	101.0
64QAM	662000	3930	97.181	101.0
256QAM	650000	3750	97.067	100.7
256QAM	656000	3840	97.087	100.8
256QAM	662000	3930	97.203	101.0

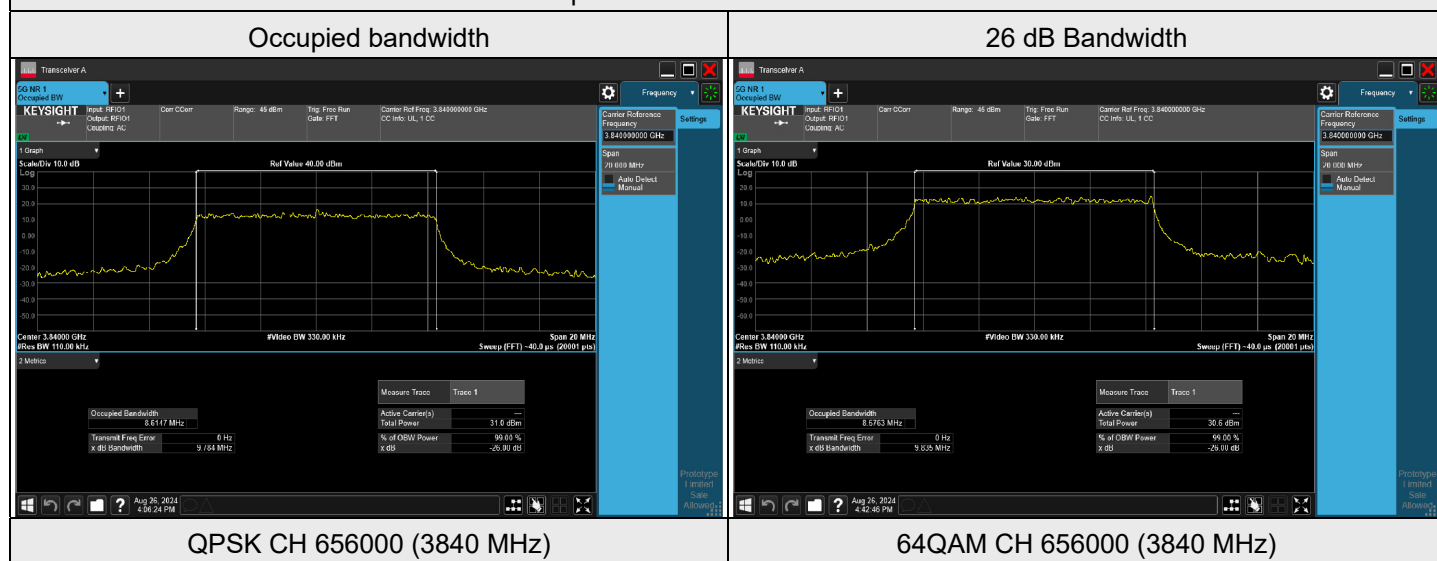
Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) - MIMO-Ant 3, Channel Bandwidth: 10 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	647000	3705	8.5483	9.560
BPSK	656000	3840	8.5704	9.483
BPSK	665000	3975	8.5681	9.640
QPSK	647000	3705	8.5760	9.419
QPSK	656000	3840	8.6147	9.784
QPSK	665000	3975	8.5588	9.443
16QAM	647000	3705	8.5822	9.614
16QAM	656000	3840	8.5907	9.605
16QAM	665000	3975	8.5548	9.585
64QAM	647000	3705	8.5930	9.784
64QAM	656000	3840	8.5763	9.835
64QAM	665000	3975	8.5901	9.798
256QAM	647000	3705	8.5443	9.543
256QAM	656000	3840	8.5766	9.665
256QAM	665000	3975	8.5466	9.539

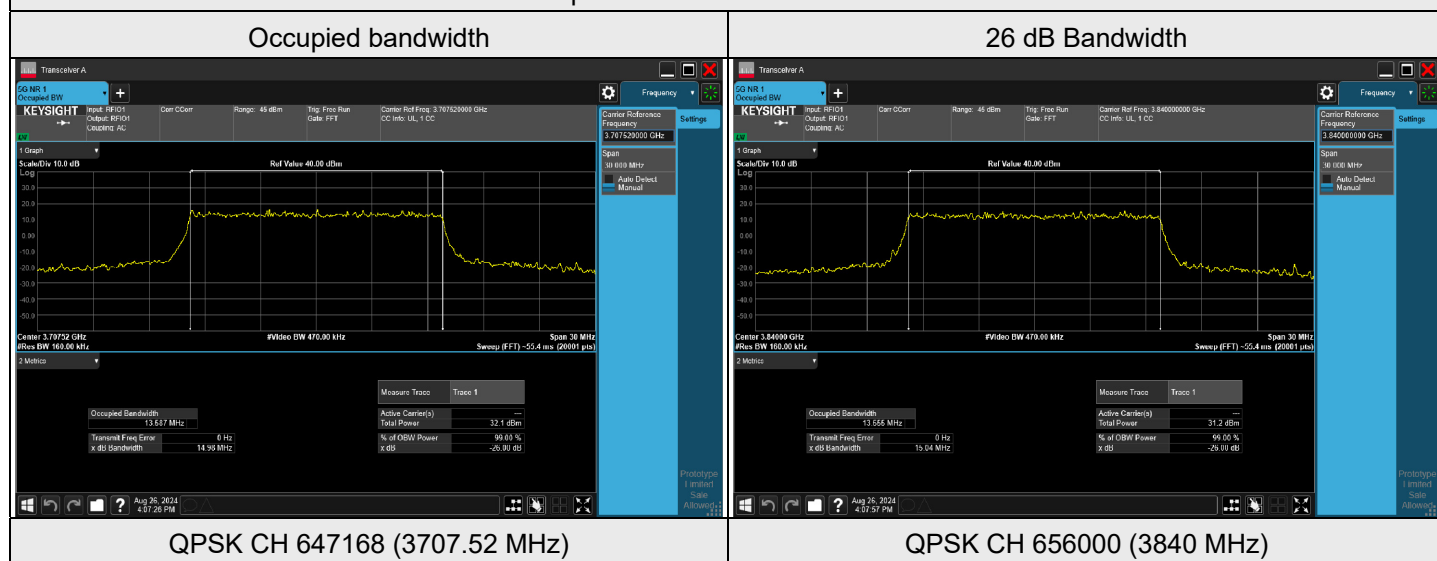
Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) - MIMO-Ant 3, Channel Bandwidth: 15 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	647168	3707.52	13.501	13.95
BPSK	656000	3840	13.507	13.89
BPSK	664832	3972.48	13.488	13.85
QPSK	647168	3707.52	13.587	14.98
QPSK	656000	3840	13.555	15.04
QPSK	664832	3972.48	13.573	14.98
16QAM	647168	3707.52	13.573	14.51
16QAM	656000	3840	13.587	14.81
16QAM	664832	3972.48	13.563	14.62
64QAM	647168	3707.52	13.566	14.86
64QAM	656000	3840	13.570	14.59
64QAM	664832	3972.48	13.560	14.77
256QAM	647168	3707.52	13.563	14.98
256QAM	656000	3840	13.555	14.58
256QAM	664832	3972.48	13.564	14.99

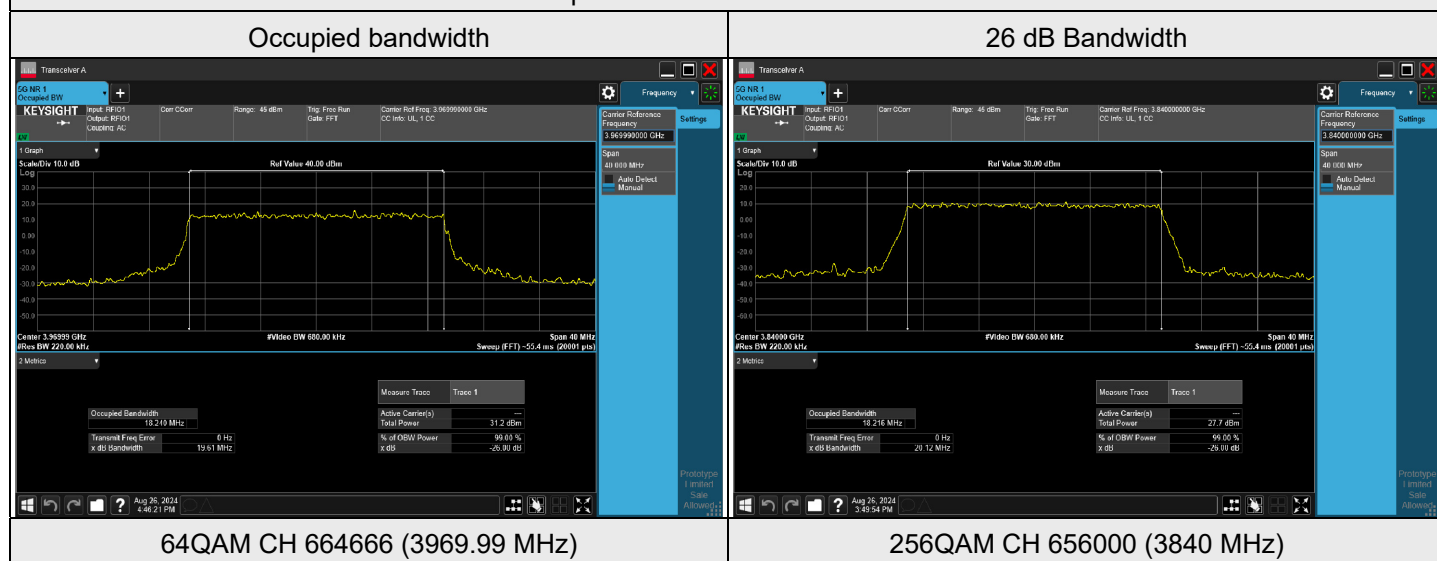
Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) - MIMO-Ant 3, Channel Bandwidth: 20 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	647334	3710.01	17.958	19.08
BPSK	656000	3840	17.945	19.03
BPSK	664666	3969.99	17.970	19.03
QPSK	647334	3710.01	18.192	19.73
QPSK	656000	3840	18.196	19.59
QPSK	664666	3969.99	18.173	19.66
16QAM	647334	3710.01	18.213	19.58
16QAM	656000	3840	18.225	19.52
16QAM	664666	3969.99	18.202	19.73
64QAM	647334	3710.01	18.197	19.72
64QAM	656000	3840	18.170	19.48
64QAM	664666	3969.99	18.240	19.61
256QAM	647334	3710.01	18.165	19.51
256QAM	656000	3840	18.216	20.12
256QAM	664666	3969.99	18.157	19.48

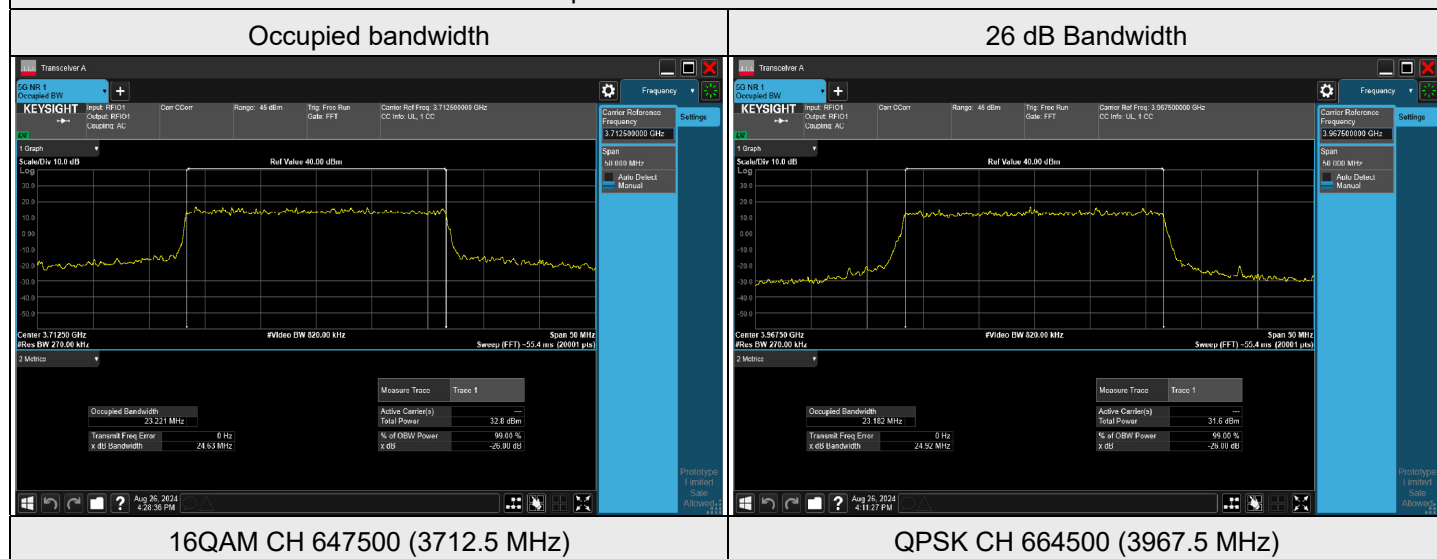
Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) - MIMO-Ant 3, Channel Bandwidth: 25 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	647500	3712.5	23.090	24.74
BPSK	656000	3840	23.091	24.70
BPSK	664500	3967.5	22.997	24.38
QPSK	647500	3712.5	23.187	24.75
QPSK	656000	3840	23.197	24.83
QPSK	664500	3967.5	23.182	24.92
16QAM	647500	3712.5	23.221	24.63
16QAM	656000	3840	23.190	24.70
16QAM	664500	3967.5	23.216	24.80
64QAM	647500	3712.5	23.181	24.66
64QAM	656000	3840	23.162	24.66
64QAM	664500	3967.5	23.145	24.91
256QAM	647500	3712.5	23.192	24.83
256QAM	656000	3840	23.182	24.72
256QAM	664500	3967.5	23.177	24.90

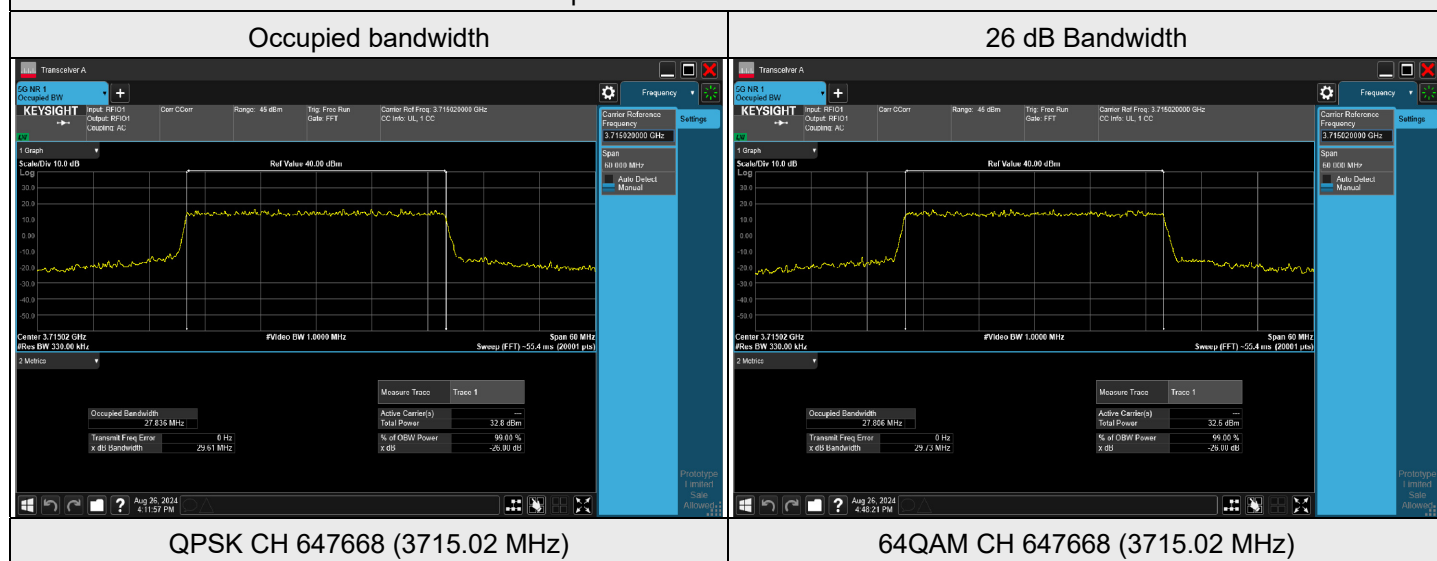
Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) - MIMO-Ant 3, Channel Bandwidth: 30 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	647668	3715.02	27.572	28.45
BPSK	656000	3840	27.565	28.28
BPSK	664332	3964.98	27.474	28.64
QPSK	647668	3715.02	27.836	29.61
QPSK	656000	3840	27.834	29.64
QPSK	664332	3964.98	27.811	29.64
16QAM	647668	3715.02	27.789	29.28
16QAM	656000	3840	27.777	29.53
16QAM	664332	3964.98	27.758	29.32
64QAM	647668	3715.02	27.806	29.73
64QAM	656000	3840	27.771	29.69
64QAM	664332	3964.98	27.762	29.69
256QAM	647668	3715.02	27.782	29.49
256QAM	656000	3840	27.799	29.44
256QAM	664332	3964.98	27.763	29.36

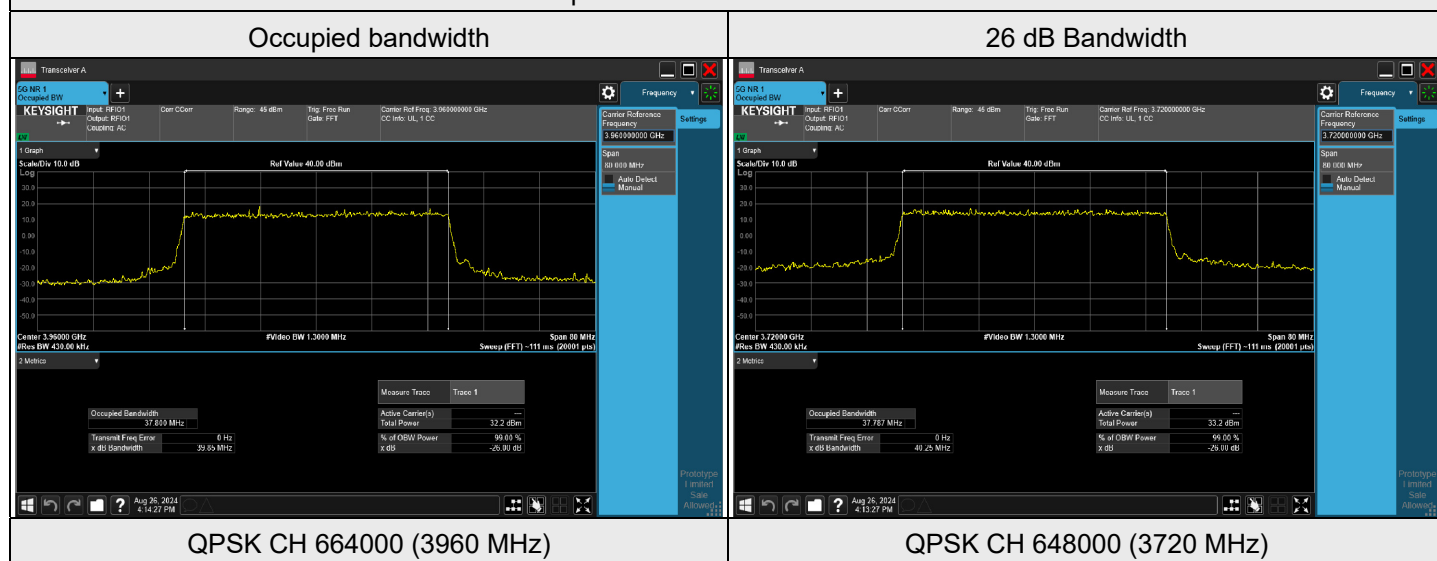
Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) - MIMO-Ant 3, Channel Bandwidth: 40 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	648000	3720	37.346	37.58
BPSK	656000	3840	37.363	37.66
BPSK	664000	3960	37.242	37.87
QPSK	648000	3720	37.787	40.25
QPSK	656000	3840	37.795	39.78
QPSK	664000	3960	37.800	39.85
16QAM	648000	3720	37.723	39.85
16QAM	656000	3840	37.706	39.53
16QAM	664000	3960	37.715	39.58
64QAM	648000	3720	37.787	39.79
64QAM	656000	3840	37.737	40.09
64QAM	664000	3960	37.690	39.75
256QAM	648000	3720	37.673	39.58
256QAM	656000	3840	37.656	39.89
256QAM	664000	3960	37.660	39.84

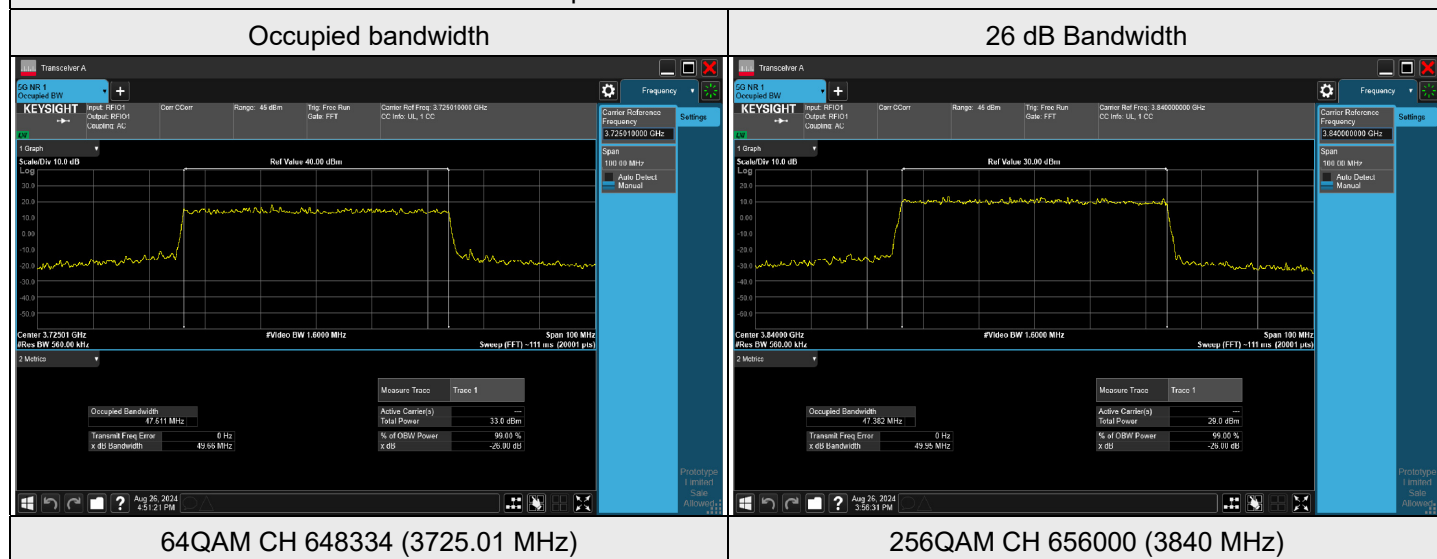
Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) - MIMO-Ant 3, Channel Bandwidth: 50 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	648334	3725.01	46.952	47.98
BPSK	656000	3840	46.981	47.85
BPSK	663666	3954.99	46.784	48.05
QPSK	648334	3725.01	47.415	49.62
QPSK	656000	3840	47.422	49.59
QPSK	663666	3954.99	47.414	49.77
16QAM	648334	3725.01	47.403	49.83
16QAM	656000	3840	47.384	49.44
16QAM	663666	3954.99	47.362	49.73
64QAM	648334	3725.01	47.511	49.66
64QAM	656000	3840	47.451	49.86
64QAM	663666	3954.99	47.411	49.70
256QAM	648334	3725.01	47.422	49.85
256QAM	656000	3840	47.382	49.95
256QAM	663666	3954.99	47.375	49.72

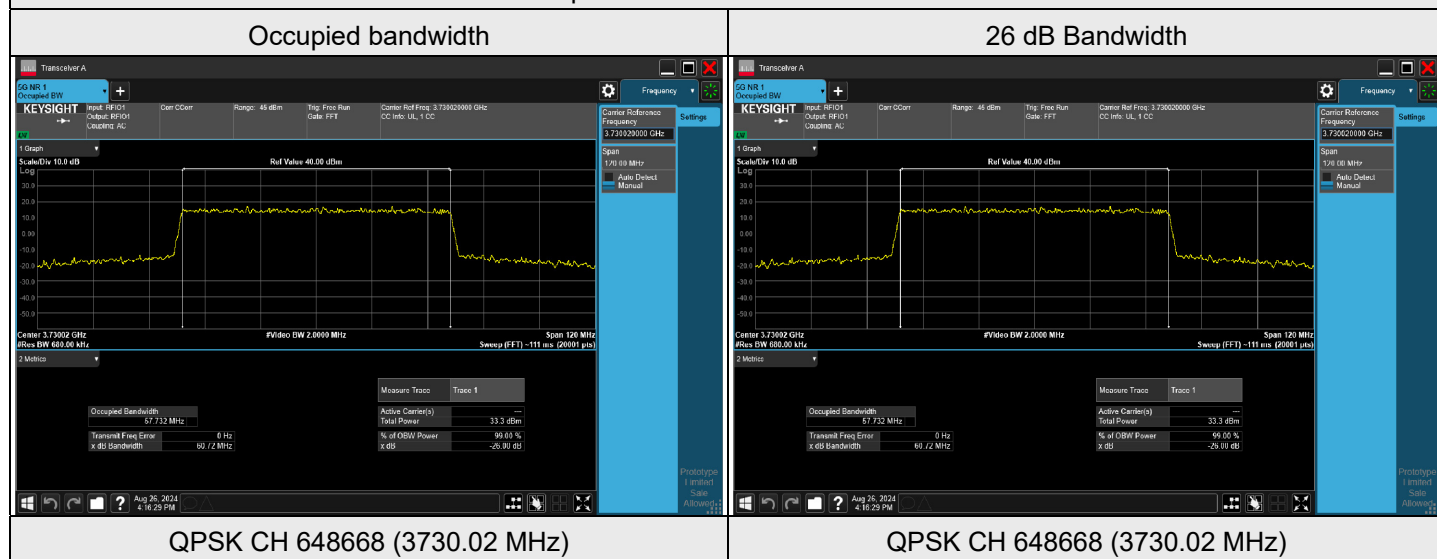
Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) - MIMO-Ant 3, Channel Bandwidth: 60 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	648668	3730.02	57.602	60.36
BPSK	656000	3840	57.588	60.27
BPSK	663332	3949.98	57.701	60.42
QPSK	648668	3730.02	57.732	60.72
QPSK	656000	3840	57.615	60.29
QPSK	663332	3949.98	57.664	60.51
16QAM	648668	3730.02	57.732	60.06
16QAM	656000	3840	57.713	60.27
16QAM	663332	3949.98	57.697	60.26
64QAM	648668	3730.02	57.686	60.07
64QAM	656000	3840	57.684	60.15
64QAM	663332	3949.98	57.675	59.95
256QAM	648668	3730.02	57.641	60.19
256QAM	656000	3840	57.616	60.16
256QAM	663332	3949.98	57.639	60.26

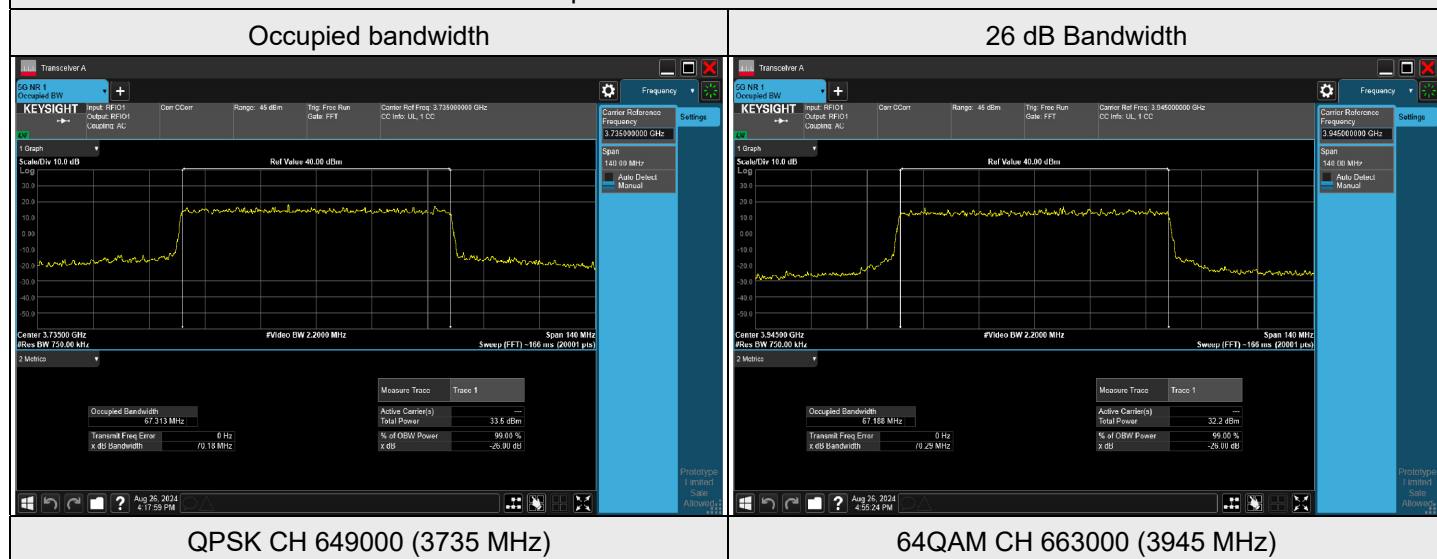
Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) - MIMO-Ant 3, Channel Bandwidth: 70 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	649000	3735	66.755	66.98
BPSK	656000	3840	66.940	66.93
BPSK	663000	3945	66.753	66.95
QPSK	649000	3735	67.313	70.18
QPSK	656000	3840	67.206	70.26
QPSK	663000	3945	67.205	70.13
16QAM	649000	3735	67.273	70.19
16QAM	656000	3840	67.228	70.06
16QAM	663000	3945	67.248	70.10
64QAM	649000	3735	67.120	70.00
64QAM	656000	3840	67.178	70.15
64QAM	663000	3945	67.188	70.29
256QAM	649000	3735	67.203	70.09
256QAM	656000	3840	67.247	69.79
256QAM	663000	3945	67.257	69.83

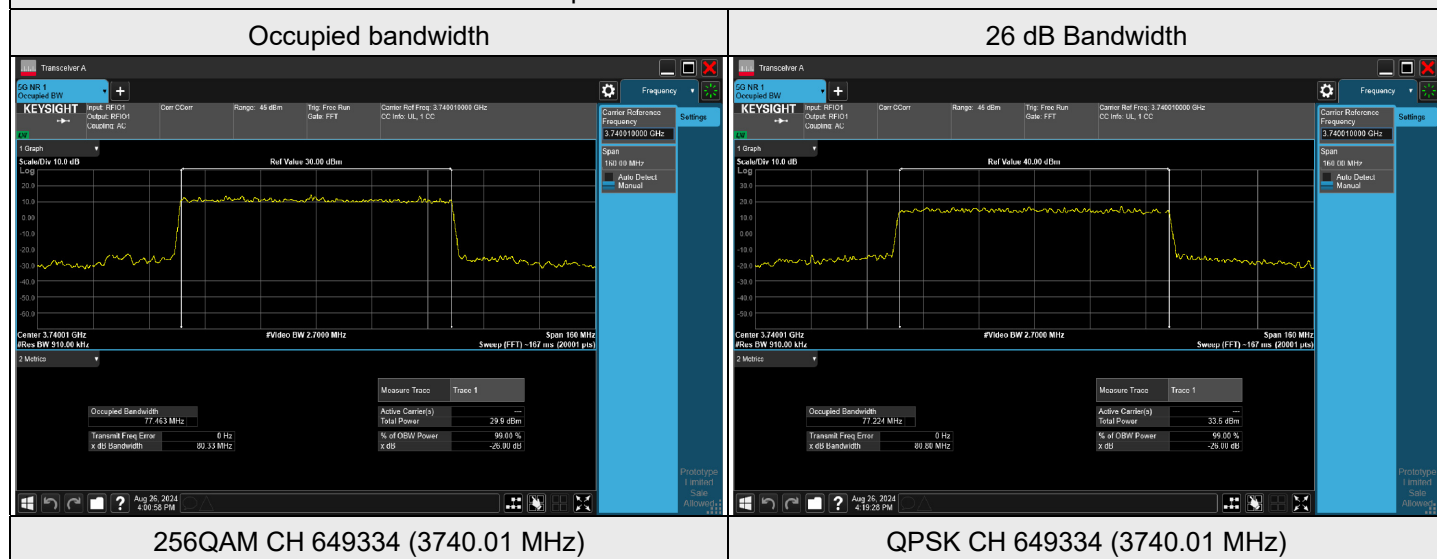
Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) - MIMO-Ant 3, Channel Bandwidth: 80 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	649334	3740.01	77.091	80.19
BPSK	656000	3840	76.977	80.32
BPSK	662666	3939.99	76.982	80.38
QPSK	649334	3740.01	77.224	80.80
QPSK	656000	3840	77.206	80.24
QPSK	662666	3939.99	77.237	80.53
16QAM	649334	3740.01	77.368	80.29
16QAM	656000	3840	77.441	80.21
16QAM	662666	3939.99	77.350	80.39
64QAM	649334	3740.01	77.235	80.48
64QAM	656000	3840	77.223	80.68
64QAM	662666	3939.99	77.265	80.61
256QAM	649334	3740.01	77.463	80.33
256QAM	656000	3840	77.416	80.32
256QAM	662666	3939.99	77.462	80.22

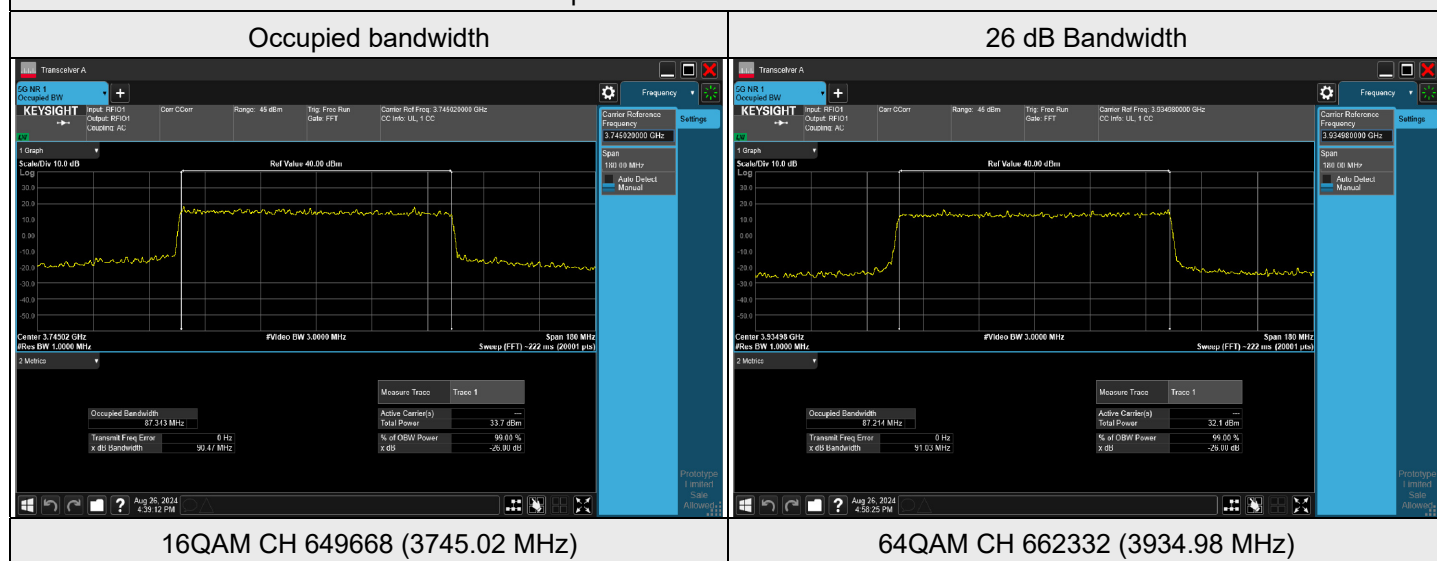
Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) - MIMO-Ant 3, Channel Bandwidth: 90 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	649668	3745.02	86.805	90.07
BPSK	656000	3840	86.887	90.12
BPSK	662332	3934.98	86.821	90.12
QPSK	649668	3745.02	87.270	90.28
QPSK	656000	3840	87.307	90.47
QPSK	662332	3934.98	87.339	90.40
16QAM	649668	3745.02	87.343	90.47
16QAM	656000	3840	87.254	90.53
16QAM	662332	3934.98	87.266	90.61
64QAM	649668	3745.02	87.110	90.58
64QAM	656000	3840	87.301	90.56
64QAM	662332	3934.98	87.214	91.03
256QAM	649668	3745.02	87.109	90.66
256QAM	656000	3840	87.158	90.67
256QAM	662332	3934.98	87.144	90.53

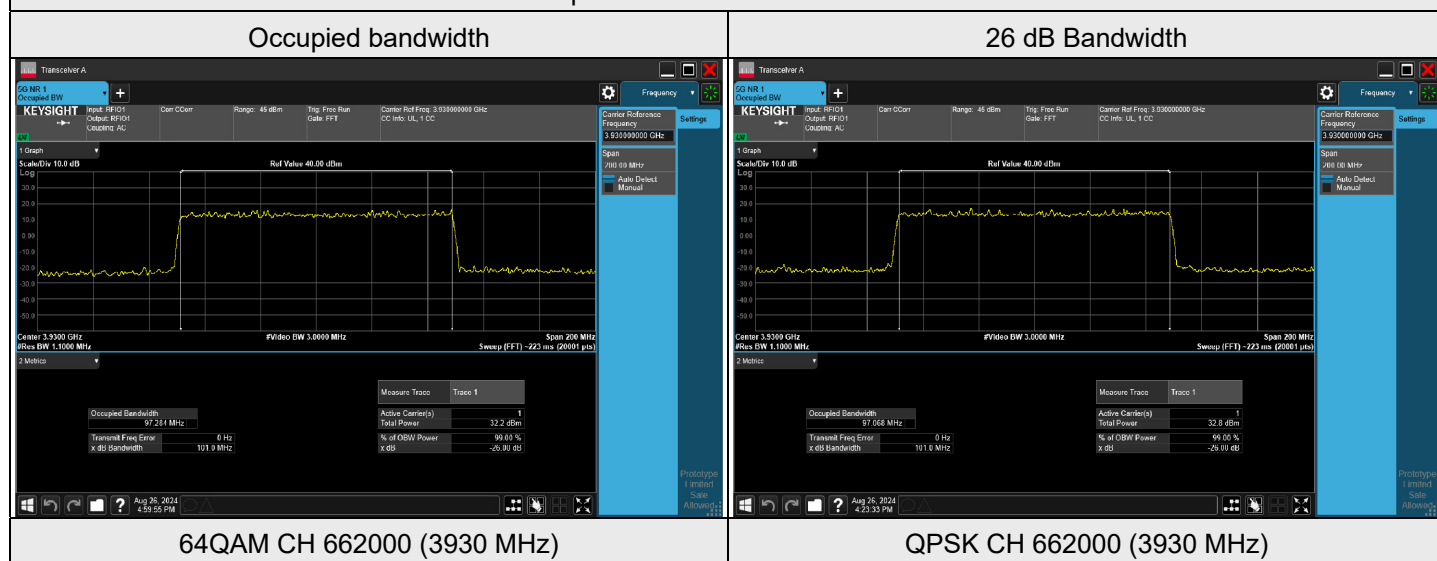
Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) - MIMO-Ant 3, Channel Bandwidth: 100 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	650000	3750	96.568	99.80
BPSK	656000	3840	96.966	99.81
BPSK	662000	3930	96.188	99.91
QPSK	650000	3750	96.985	100.8
QPSK	656000	3840	97.084	100.8
QPSK	662000	3930	97.068	101.0
16QAM	650000	3750	97.186	100.6
16QAM	656000	3840	97.224	100.6
16QAM	662000	3930	97.120	100.7
64QAM	650000	3750	97.069	100.8
64QAM	656000	3840	97.161	101.0
64QAM	662000	3930	97.284	101.0
256QAM	650000	3750	96.901	100.1
256QAM	656000	3840	97.124	100.6
256QAM	662000	3930	97.063	100.9

Spectrum Plot of Worst Value



7.4.11 NR n78 SCS 30 kHz (3.45 GHz ~ 3.55 GHz)

NR n78 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	8.5422	9.399
BPSK	633334	3500.01	8.5745	9.713
BPSK	636332	3544.98	8.5568	9.635
QPSK	630334	3455.01	8.5667	9.752
QPSK	633334	3500.01	8.5903	9.675
QPSK	636332	3544.98	8.5670	9.635
16QAM	630334	3455.01	8.5685	9.574
16QAM	633334	3500.01	8.5803	9.763
16QAM	636332	3544.98	8.5684	9.577
64QAM	630334	3455.01	8.5886	9.709
64QAM	633334	3500.01	8.5726	9.521
64QAM	636332	3544.98	8.5943	9.638
256QAM	630334	3455.01	8.5461	9.396
256QAM	633334	3500.01	8.5708	9.838
256QAM	636332	3544.98	8.5403	9.580

Spectrum Plot of Worst Value

