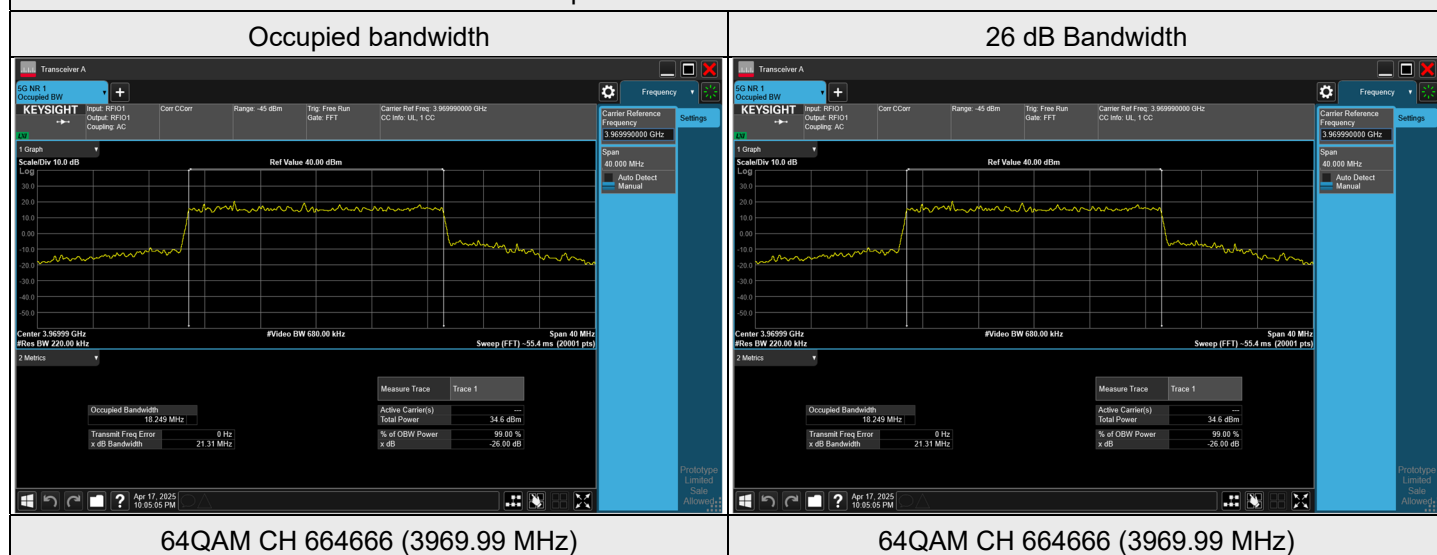


NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz), MIMO-Ant 1, Channel Bandwidth: 20 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	647334	3710.01	18.145	19.07
QPSK	656000	3840	18.164	19.19
QPSK	664666	3969.99	18.169	19.07
16QAM	647334	3710.01	18.184	19.03
16QAM	656000	3840	18.229	19.22
16QAM	664666	3969.99	18.189	20.61
64QAM	647334	3710.01	18.193	19.20
64QAM	656000	3840	18.193	20.14
64QAM	664666	3969.99	18.249	21.31
256QAM	647334	3710.01	18.181	19.07
256QAM	656000	3840	18.190	19.11
256QAM	664666	3969.99	18.162	19.11

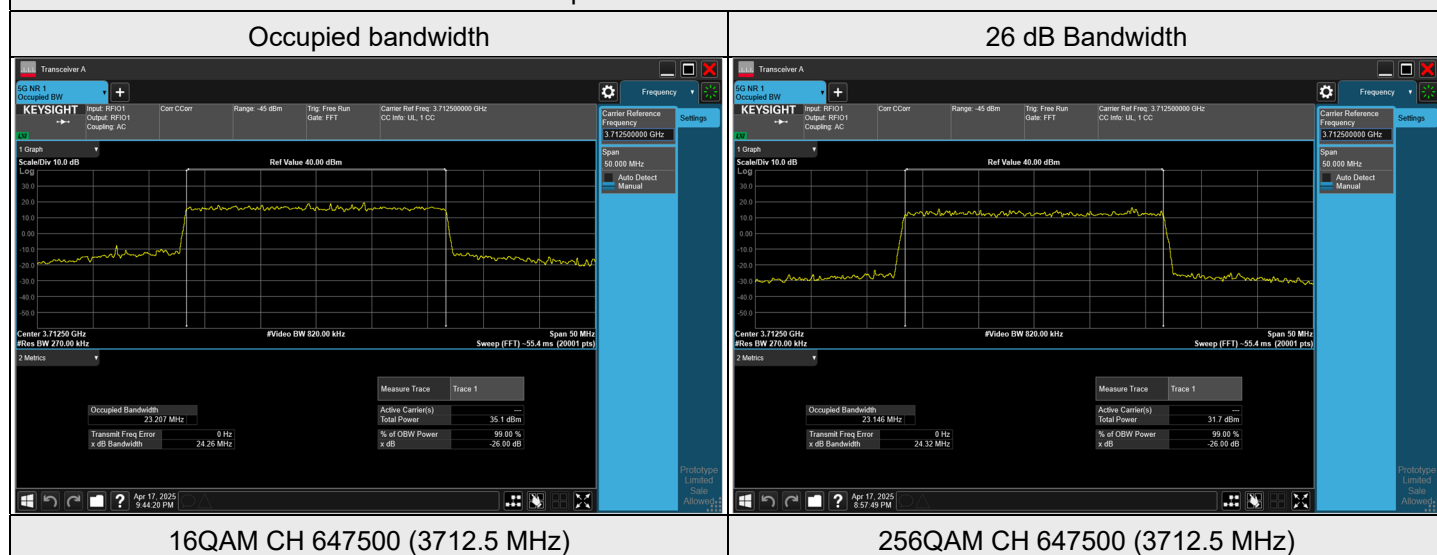
Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz), MIMO-Ant 1, Channel Bandwidth: 25 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	647500	3712.5	23.175	24.27
QPSK	656000	3840	23.156	24.22
QPSK	664500	3967.5	23.172	24.21
16QAM	647500	3712.5	23.207	24.26
16QAM	656000	3840	23.202	24.30
16QAM	664500	3967.5	23.197	24.23
64QAM	647500	3712.5	23.116	24.26
64QAM	656000	3840	23.112	24.21
64QAM	664500	3967.5	23.120	24.25
256QAM	647500	3712.5	23.146	24.32
256QAM	656000	3840	23.125	24.27
256QAM	664500	3967.5	23.127	24.29

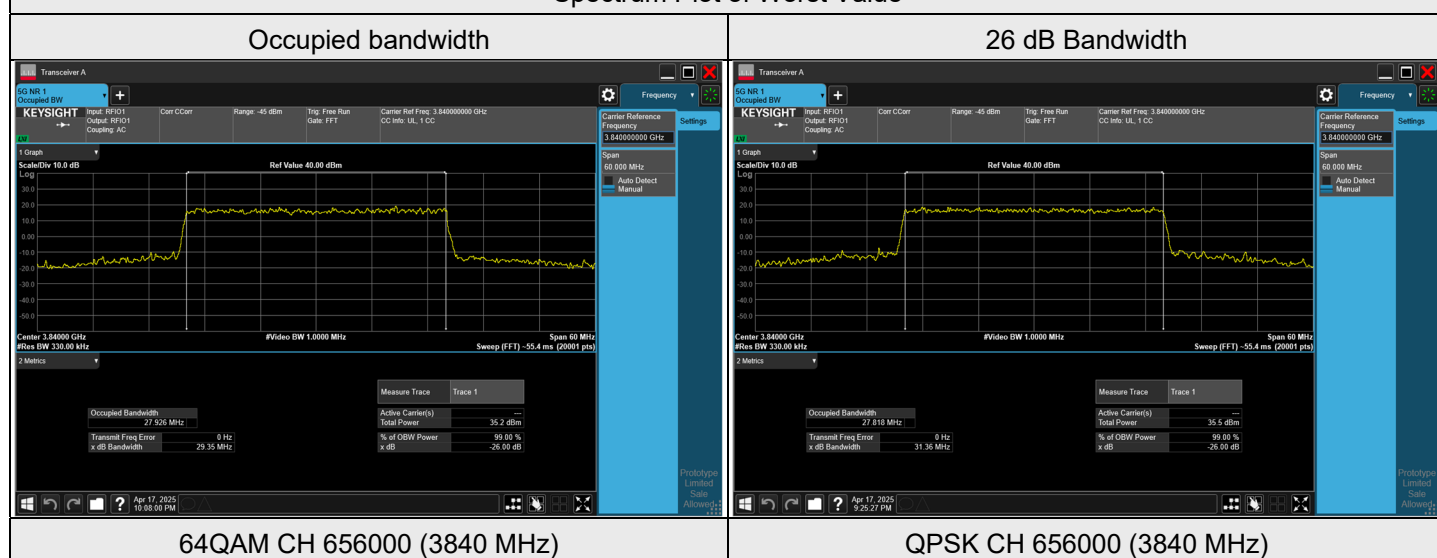
Spectrum Plot of Worst Value



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

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	647668	3715.02	27.819	29.22
QPSK	656000	3840	27.818	31.36
QPSK	664332	3964.98	27.852	29.22
16QAM	647668	3715.02	27.854	29.17
16QAM	656000	3840	27.847	29.14
16QAM	664332	3964.98	27.871	29.30
64QAM	647668	3715.02	27.847	29.34
64QAM	656000	3840	27.926	29.35
64QAM	664332	3964.98	27.798	28.99
256QAM	647668	3715.02	27.714	29.05
256QAM	656000	3840	27.764	29.19
256QAM	664332	3964.98	27.758	29.20

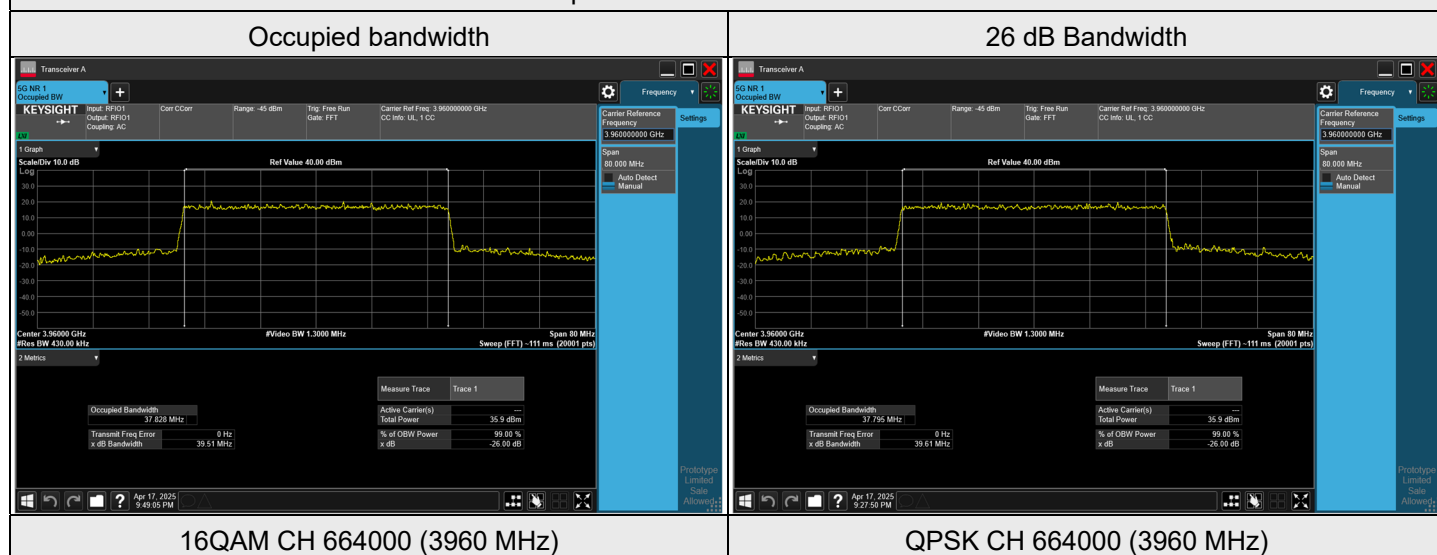
Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz), MIMO-Ant 1, Channel Bandwidth: 40 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	648000	3720	37.745	39.35
QPSK	656000	3840	37.744	39.48
QPSK	664000	3960	37.795	39.61
16QAM	648000	3720	37.792	39.35
16QAM	656000	3840	37.796	39.52
16QAM	664000	3960	37.828	39.51
64QAM	648000	3720	37.763	39.31
64QAM	656000	3840	37.769	39.44
64QAM	664000	3960	37.788	39.54
256QAM	648000	3720	37.700	39.48
256QAM	656000	3840	37.714	39.59
256QAM	664000	3960	37.768	39.43

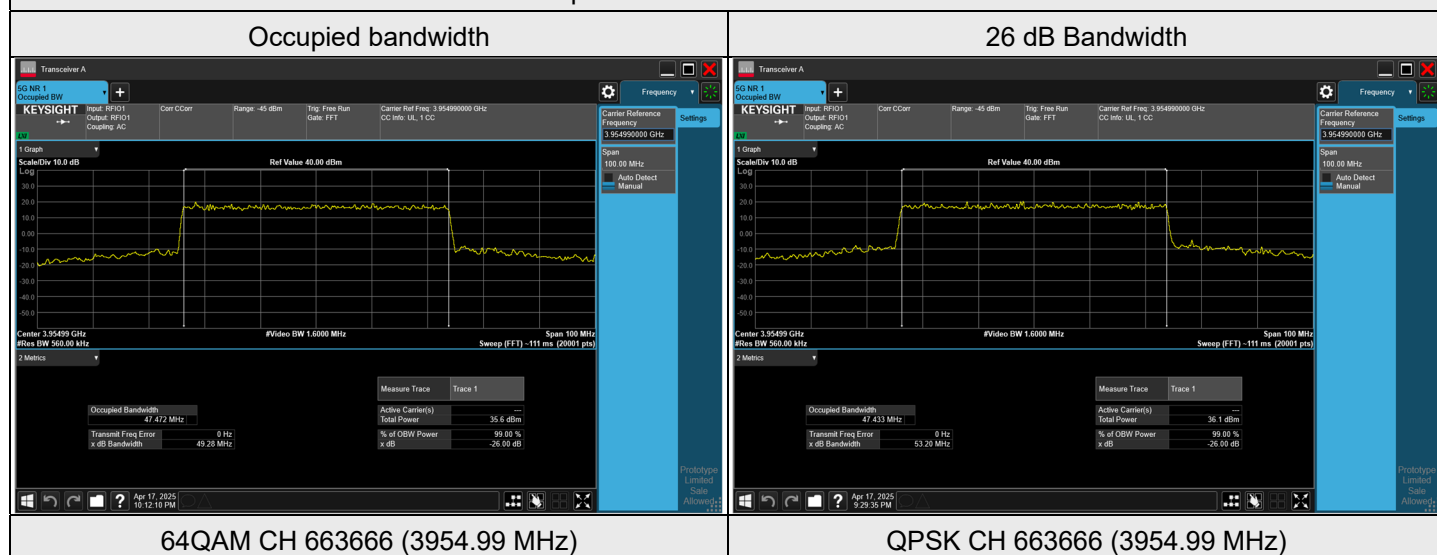
Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz), MIMO-Ant 1, Channel Bandwidth: 50 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	648334	3725.01	47.372	49.44
QPSK	656000	3840	47.432	49.20
QPSK	663666	3954.99	47.433	53.20
16QAM	648334	3725.01	47.381	49.38
16QAM	656000	3840	47.401	49.30
16QAM	663666	3954.99	47.432	49.19
64QAM	648334	3725.01	47.414	49.23
64QAM	656000	3840	47.384	49.49
64QAM	663666	3954.99	47.472	49.28
256QAM	648334	3725.01	47.372	49.38
256QAM	656000	3840	47.340	49.32
256QAM	663666	3954.99	47.372	49.47

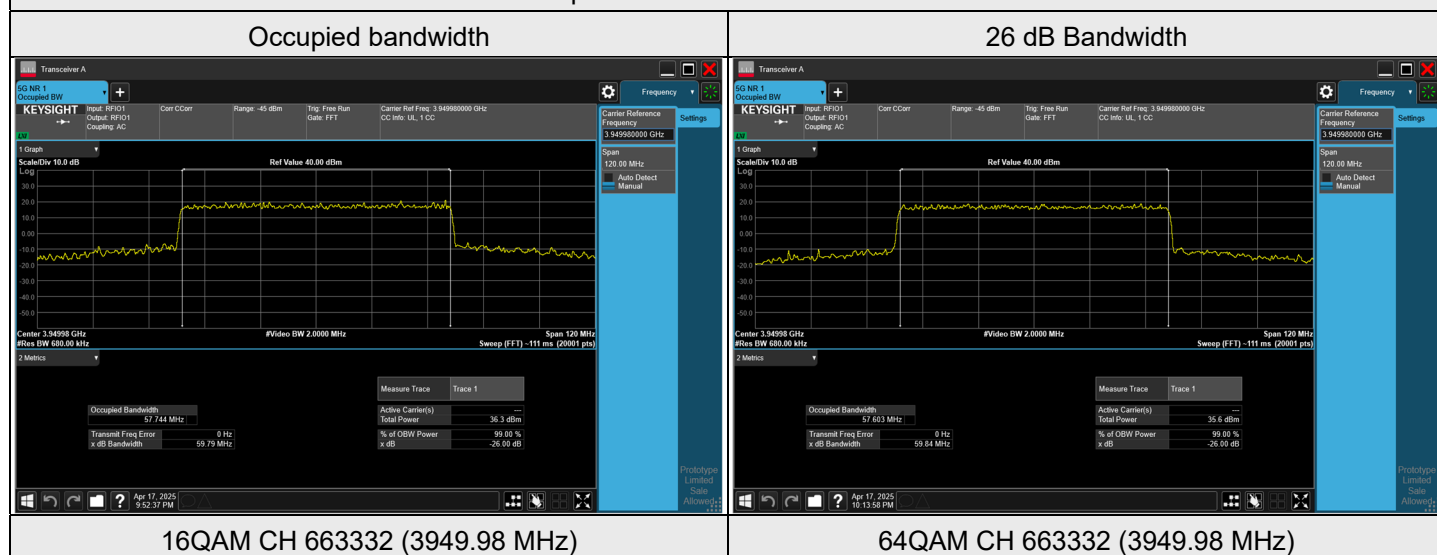
Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz), MIMO-Ant 1, Channel Bandwidth: 60 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	648668	3730.02	57.662	59.76
QPSK	656000	3840	57.710	59.78
QPSK	663332	3949.98	57.684	59.70
16QAM	648668	3730.02	57.626	59.68
16QAM	656000	3840	57.676	59.76
16QAM	663332	3949.98	57.744	59.79
64QAM	648668	3730.02	57.556	59.71
64QAM	656000	3840	57.579	59.79
64QAM	663332	3949.98	57.603	59.84
256QAM	648668	3730.02	57.555	59.71
256QAM	656000	3840	57.530	59.70
256QAM	663332	3949.98	57.508	59.77

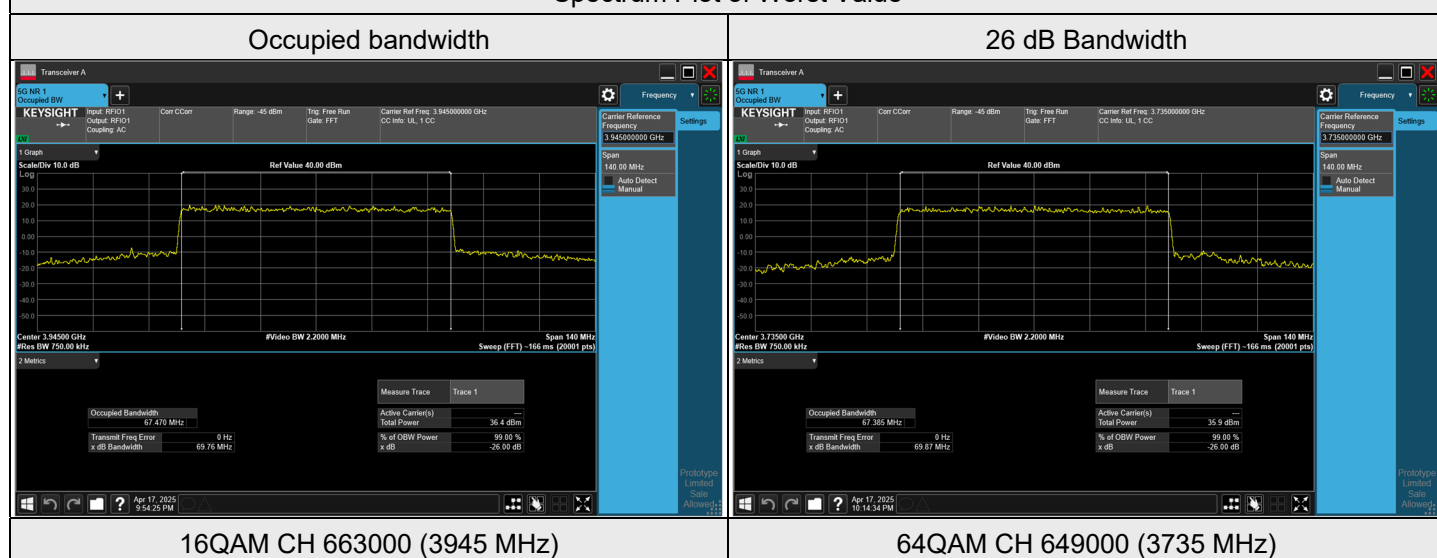
Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz), MIMO-Ant 1, Channel Bandwidth: 70 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	649000	3735	67.246	69.69
QPSK	656000	3840	67.258	69.69
QPSK	663000	3945	67.277	69.77
16QAM	649000	3735	67.438	69.60
16QAM	656000	3840	67.272	69.65
16QAM	663000	3945	67.470	69.76
64QAM	649000	3735	67.385	69.87
64QAM	656000	3840	67.457	69.86
64QAM	663000	3945	67.467	69.61
256QAM	649000	3735	67.245	69.64
256QAM	656000	3840	67.341	69.53
256QAM	663000	3945	67.248	69.76

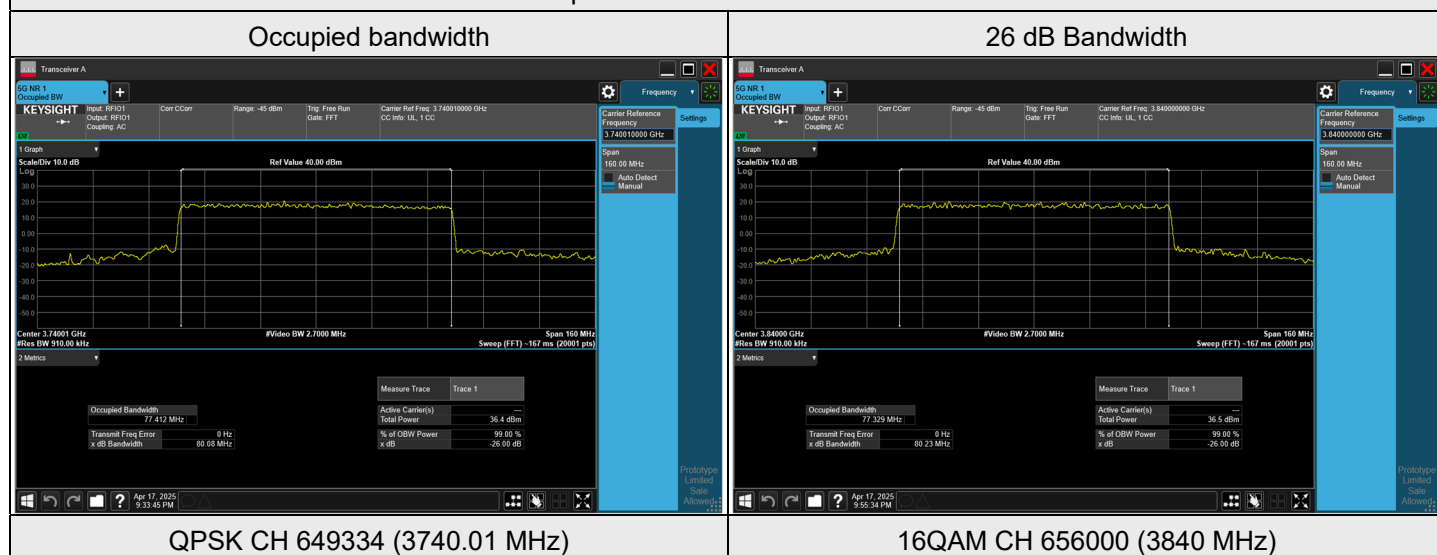
Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz), MIMO-Ant 1, Channel Bandwidth: 80 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	649334	3740.01	77.412	80.08
QPSK	656000	3840	77.383	80.09
QPSK	662666	3939.99	77.347	80.17
16QAM	649334	3740.01	77.272	80.17
16QAM	656000	3840	77.329	80.23
16QAM	662666	3939.99	77.384	80.10
64QAM	649334	3740.01	77.185	80.02
64QAM	656000	3840	77.174	80.10
64QAM	662666	3939.99	77.286	80.13
256QAM	649334	3740.01	77.058	80.07
256QAM	656000	3840	77.074	80.07
256QAM	662666	3939.99	77.172	80.01

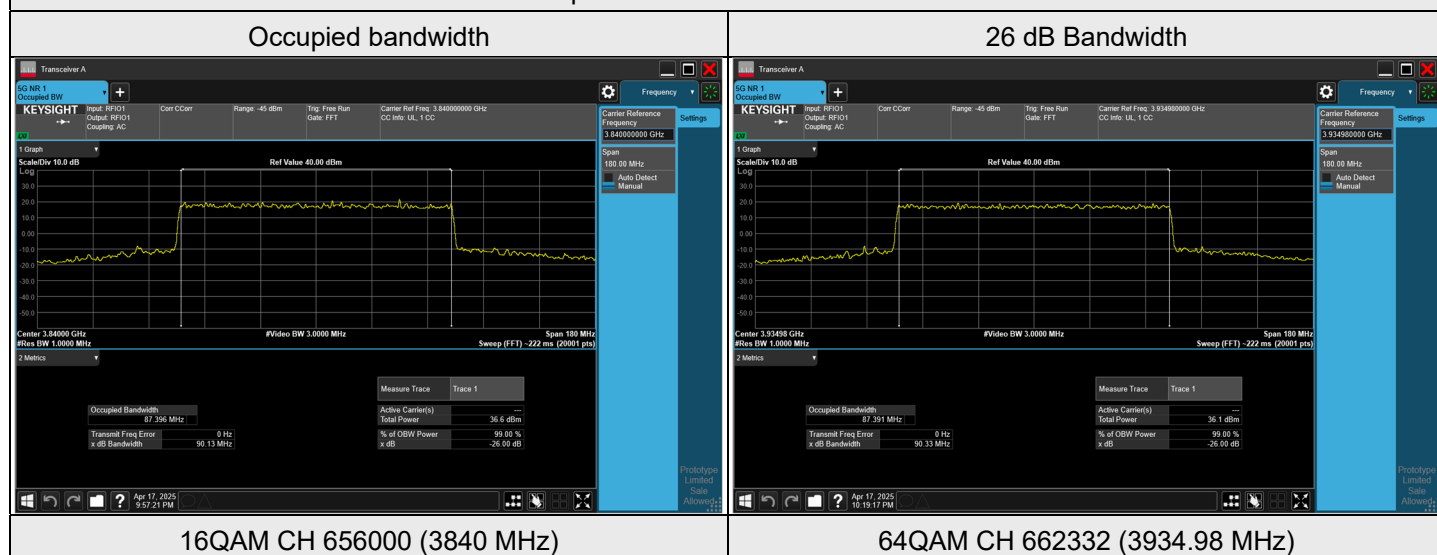
Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz), MIMO-Ant 1, Channel Bandwidth: 90 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	649668	3745.02	87.214	90.30
QPSK	656000	3840	87.228	90.07
QPSK	662332	3934.98	87.323	90.31
16QAM	649668	3745.02	87.251	90.18
16QAM	656000	3840	87.396	90.13
16QAM	662332	3934.98	87.199	90.16
64QAM	649668	3745.02	87.230	90.19
64QAM	656000	3840	87.271	90.15
64QAM	662332	3934.98	87.391	90.33
256QAM	649668	3745.02	87.146	90.22
256QAM	656000	3840	87.180	90.33
256QAM	662332	3934.98	87.218	90.18

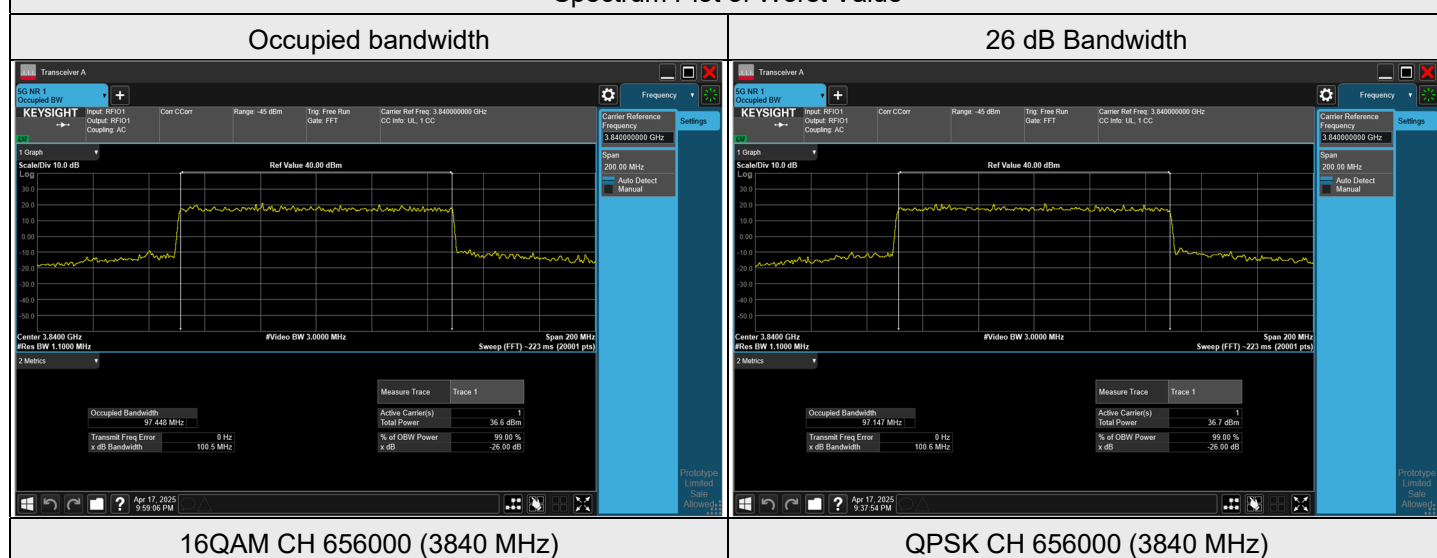
Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz), MIMO-Ant 1, Channel Bandwidth: 100 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	650000	3750	97.148	100.5
QPSK	656000	3840	97.147	100.6
QPSK	662000	3930	97.201	100.5
16QAM	650000	3750	97.361	100.4
16QAM	656000	3840	97.448	100.5
16QAM	662000	3930	97.446	100.5
64QAM	650000	3750	97.161	100.5
64QAM	656000	3840	97.167	100.6
64QAM	662000	3930	97.287	100.4
256QAM	650000	3750	96.929	100.4
256QAM	656000	3840	96.984	100.5
256QAM	662000	3930	97.086	100.4

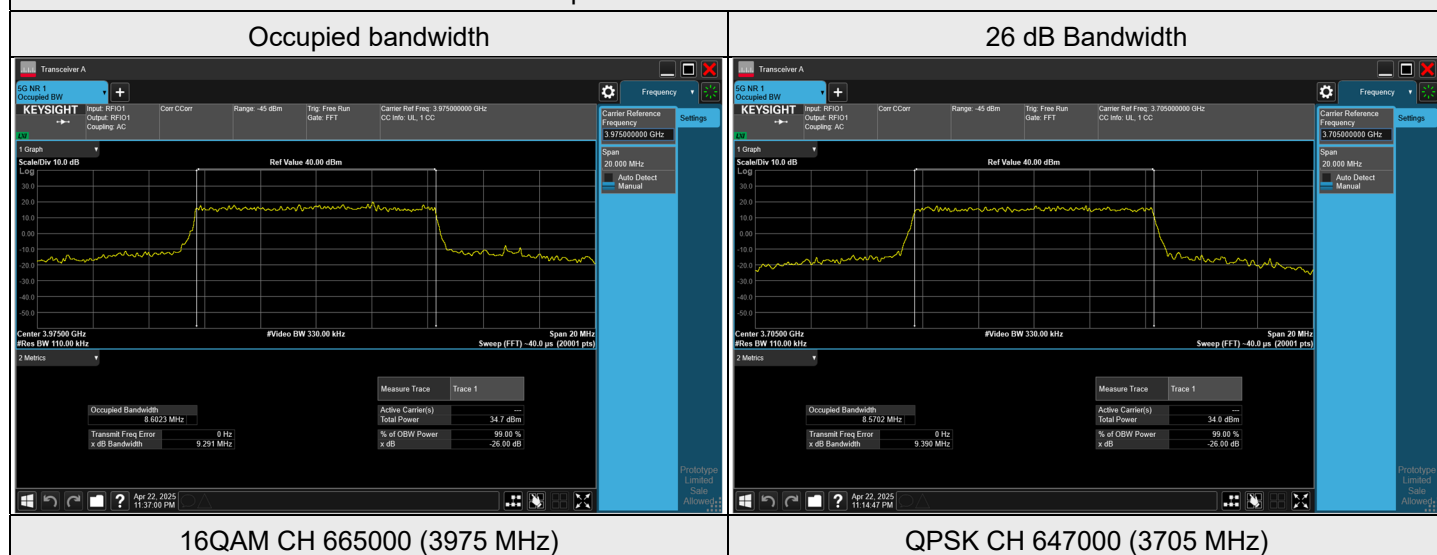
Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz), MIMO-Ant 2, Channel Bandwidth: 10 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	647000	3705	8.5702	9.390
QPSK	656000	3840	8.5885	9.270
QPSK	665000	3975	8.5800	9.303
16QAM	647000	3705	8.5802	9.301
16QAM	656000	3840	8.5542	9.266
16QAM	665000	3975	8.6023	9.291
64QAM	647000	3705	8.5581	9.168
64QAM	656000	3840	8.5641	9.283
64QAM	665000	3975	8.5808	9.286
256QAM	647000	3705	8.5603	9.143
256QAM	656000	3840	8.5549	9.225
256QAM	665000	3975	8.5685	9.252

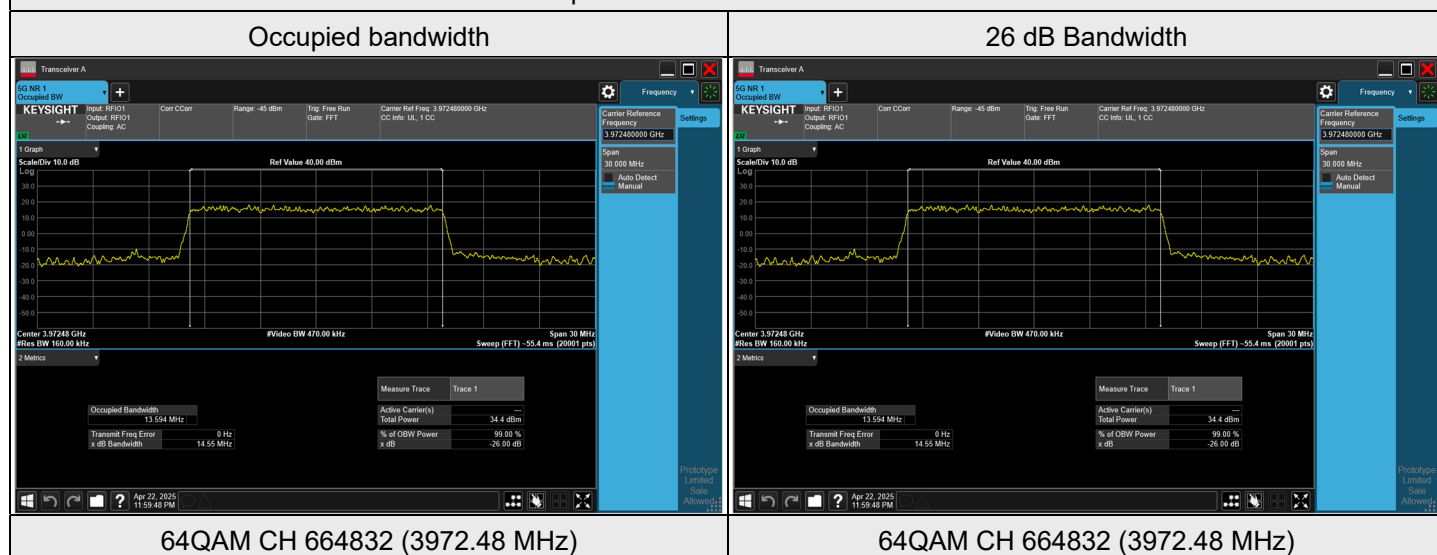
Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz), MIMO-Ant 2, Channel Bandwidth: 15 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	647168	3707.52	13.543	14.37
QPSK	656000	3840	13.549	14.48
QPSK	664832	3972.48	13.564	14.31
16QAM	647168	3707.52	13.519	14.27
16QAM	656000	3840	13.522	14.28
16QAM	664832	3972.48	13.533	14.28
64QAM	647168	3707.52	13.573	14.45
64QAM	656000	3840	13.572	14.35
64QAM	664832	3972.48	13.594	14.55
256QAM	647168	3707.52	13.525	14.30
256QAM	656000	3840	13.536	14.23
256QAM	664832	3972.48	13.528	14.34

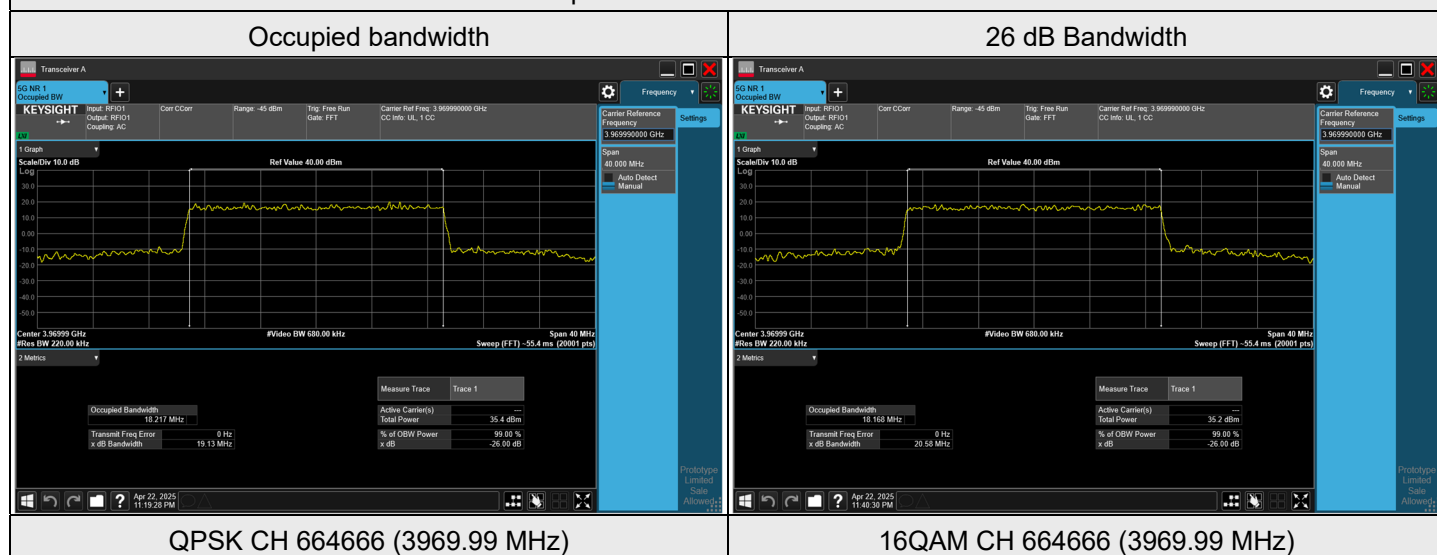
Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz), MIMO-Ant 2, Channel Bandwidth: 20 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	647334	3710.01	18.198	19.08
QPSK	656000	3840	18.144	19.16
QPSK	664666	3969.99	18.217	19.13
16QAM	647334	3710.01	18.149	18.98
16QAM	656000	3840	18.160	19.16
16QAM	664666	3969.99	18.168	20.58
64QAM	647334	3710.01	18.161	19.14
64QAM	656000	3840	18.161	19.05
64QAM	664666	3969.99	18.192	19.16
256QAM	647334	3710.01	18.136	19.15
256QAM	656000	3840	18.182	19.13
256QAM	664666	3969.99	18.132	19.20

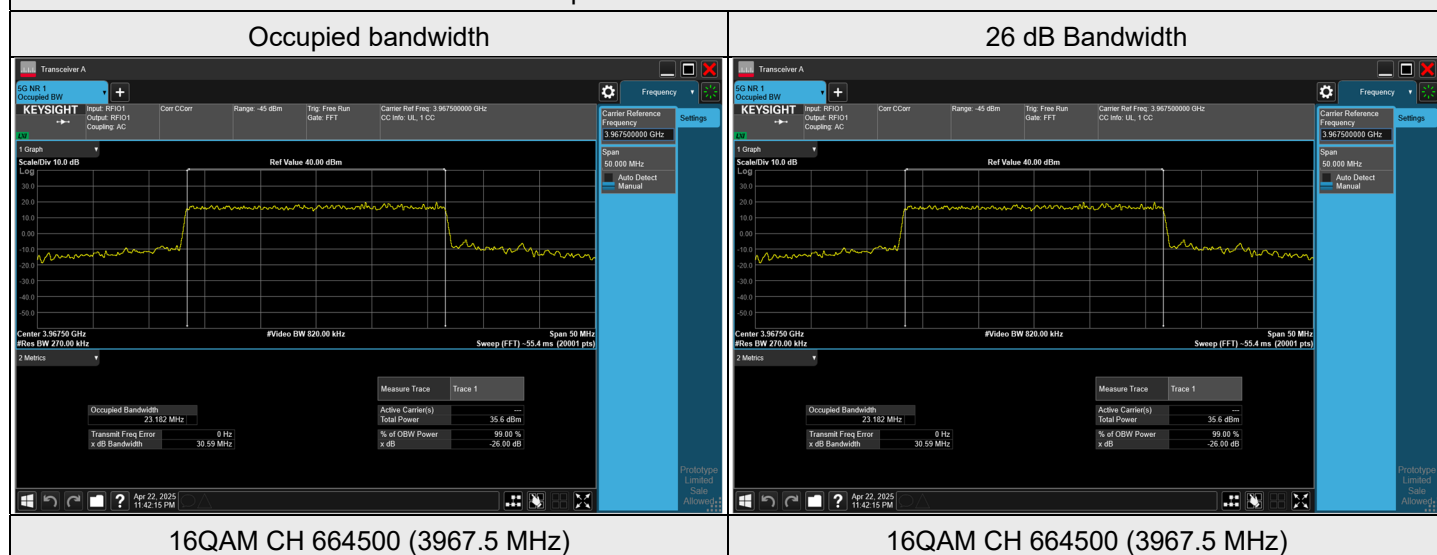
Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz), MIMO-Ant 2, Channel Bandwidth: 25 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	647500	3712.5	23.170	24.26
QPSK	656000	3840	23.122	24.19
QPSK	664500	3967.5	23.136	24.30
16QAM	647500	3712.5	23.101	24.23
16QAM	656000	3840	23.127	24.14
16QAM	664500	3967.5	23.182	30.59
64QAM	647500	3712.5	23.131	24.22
64QAM	656000	3840	23.127	24.22
64QAM	664500	3967.5	23.135	24.24
256QAM	647500	3712.5	23.101	24.30
256QAM	656000	3840	23.112	24.20
256QAM	664500	3967.5	23.086	24.18

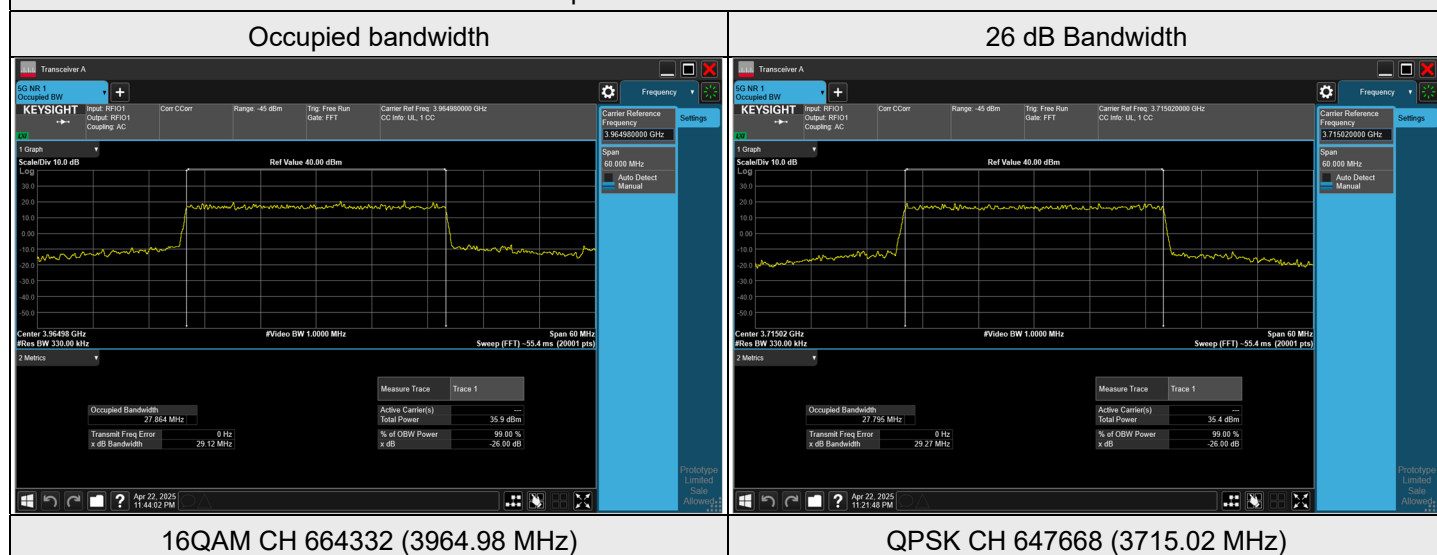
Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz), MIMO-Ant 2, Channel Bandwidth: 30 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	647668	3715.02	27.795	29.27
QPSK	656000	3840	27.807	29.25
QPSK	664332	3964.98	27.837	29.12
16QAM	647668	3715.02	27.824	29.10
16QAM	656000	3840	27.841	29.11
16QAM	664332	3964.98	27.864	29.12
64QAM	647668	3715.02	27.799	29.27
64QAM	656000	3840	27.765	29.20
64QAM	664332	3964.98	27.807	29.23
256QAM	647668	3715.02	27.781	29.15
256QAM	656000	3840	27.722	29.25
256QAM	664332	3964.98	27.745	29.21

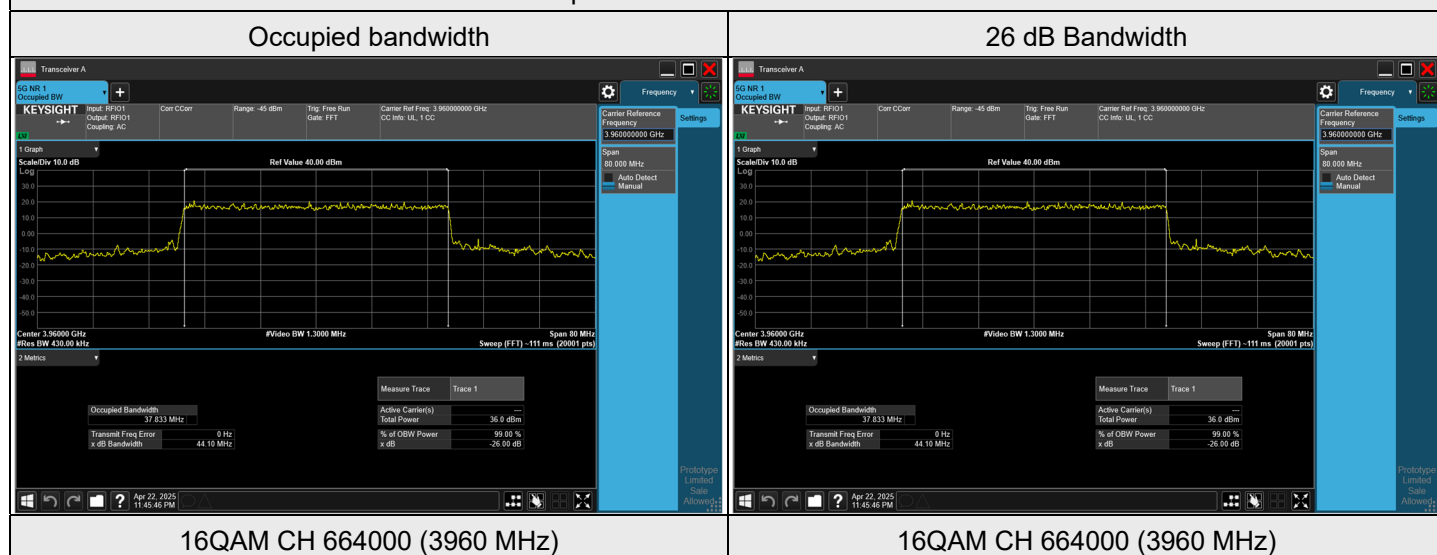
Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz), MIMO-Ant 2, Channel Bandwidth: 40 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	648000	3720	37.745	39.38
QPSK	656000	3840	37.745	39.41
QPSK	664000	3960	37.764	39.54
16QAM	648000	3720	37.748	39.34
16QAM	656000	3840	37.761	39.37
16QAM	664000	3960	37.833	44.10
64QAM	648000	3720	37.762	39.43
64QAM	656000	3840	37.746	39.49
64QAM	664000	3960	37.762	39.47
256QAM	648000	3720	37.728	39.52
256QAM	656000	3840	37.682	39.34
256QAM	664000	3960	37.697	39.52

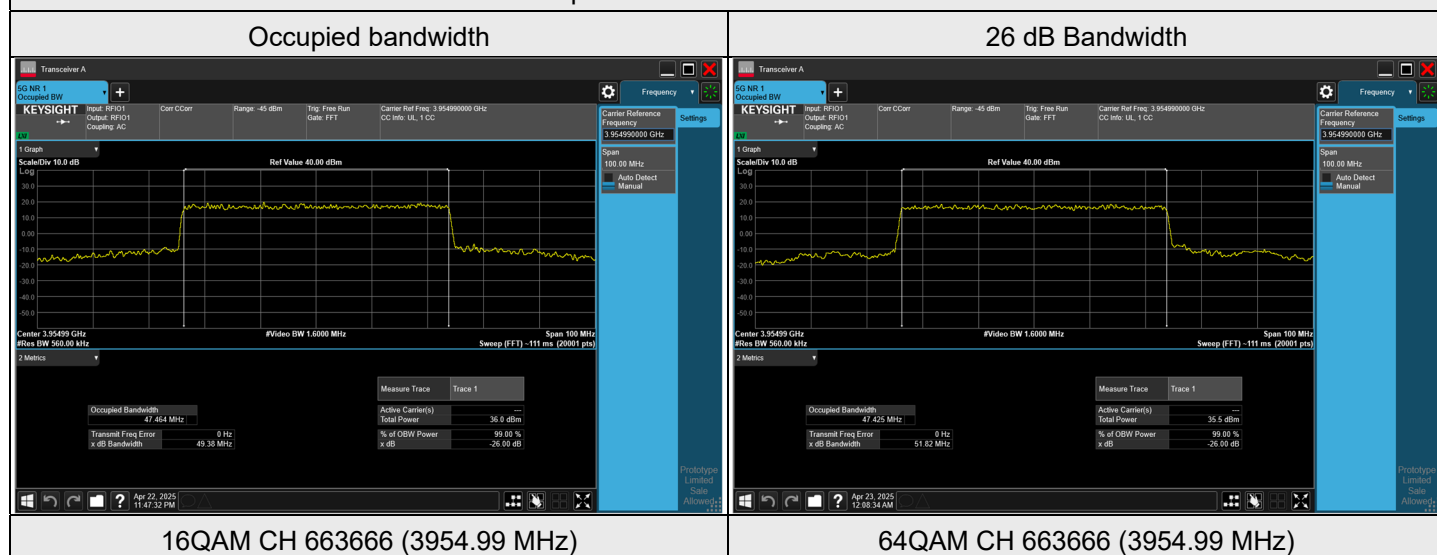
Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz), MIMO-Ant 2, Channel Bandwidth: 50 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	648334	3725.01	47.305	49.42
QPSK	656000	3840	47.311	49.33
QPSK	663666	3954.99	47.332	49.74
16QAM	648334	3725.01	47.424	49.35
16QAM	656000	3840	47.441	49.31
16QAM	663666	3954.99	47.464	49.38
64QAM	648334	3725.01	47.391	49.40
64QAM	656000	3840	47.391	49.16
64QAM	663666	3954.99	47.425	51.82
256QAM	648334	3725.01	47.371	49.08
256QAM	656000	3840	47.411	49.24
256QAM	663666	3954.99	47.373	49.28

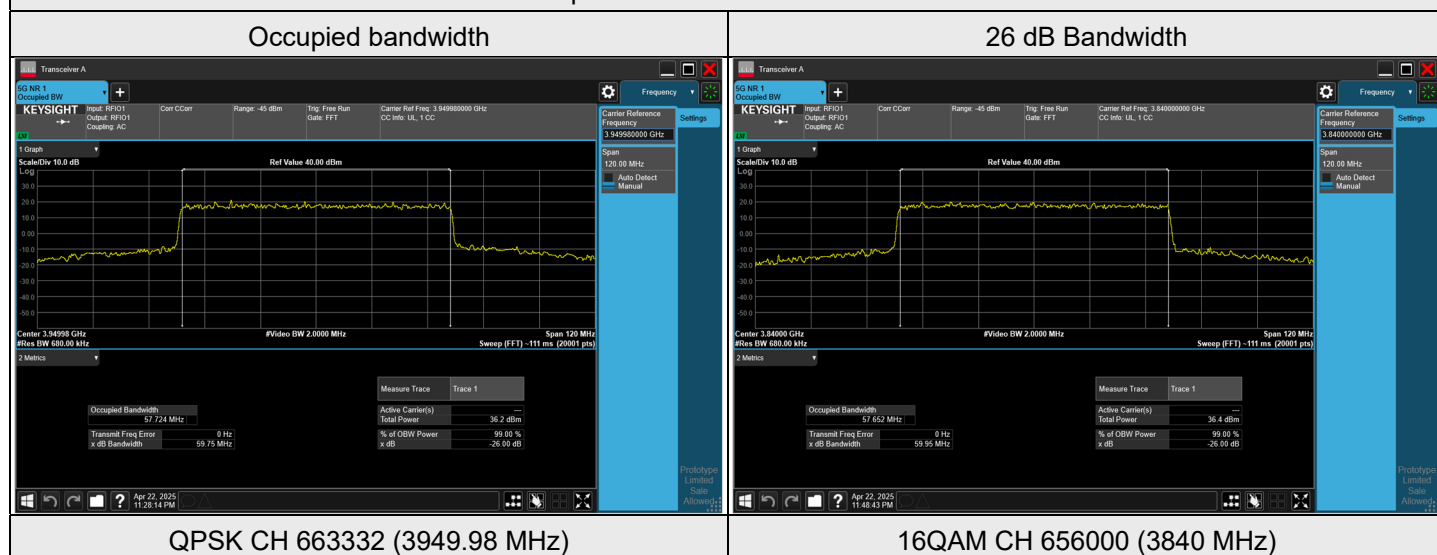
Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz), MIMO-Ant 2, Channel Bandwidth: 60 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	648668	3730.02	57.624	59.74
QPSK	656000	3840	57.689	59.85
QPSK	663332	3949.98	57.724	59.75
16QAM	648668	3730.02	57.530	59.77
16QAM	656000	3840	57.652	59.95
16QAM	663332	3949.98	57.639	59.81
64QAM	648668	3730.02	57.626	59.81
64QAM	656000	3840	57.617	59.72
64QAM	663332	3949.98	57.664	59.93
256QAM	648668	3730.02	57.519	59.65
256QAM	656000	3840	57.616	59.79
256QAM	663332	3949.98	57.542	59.75

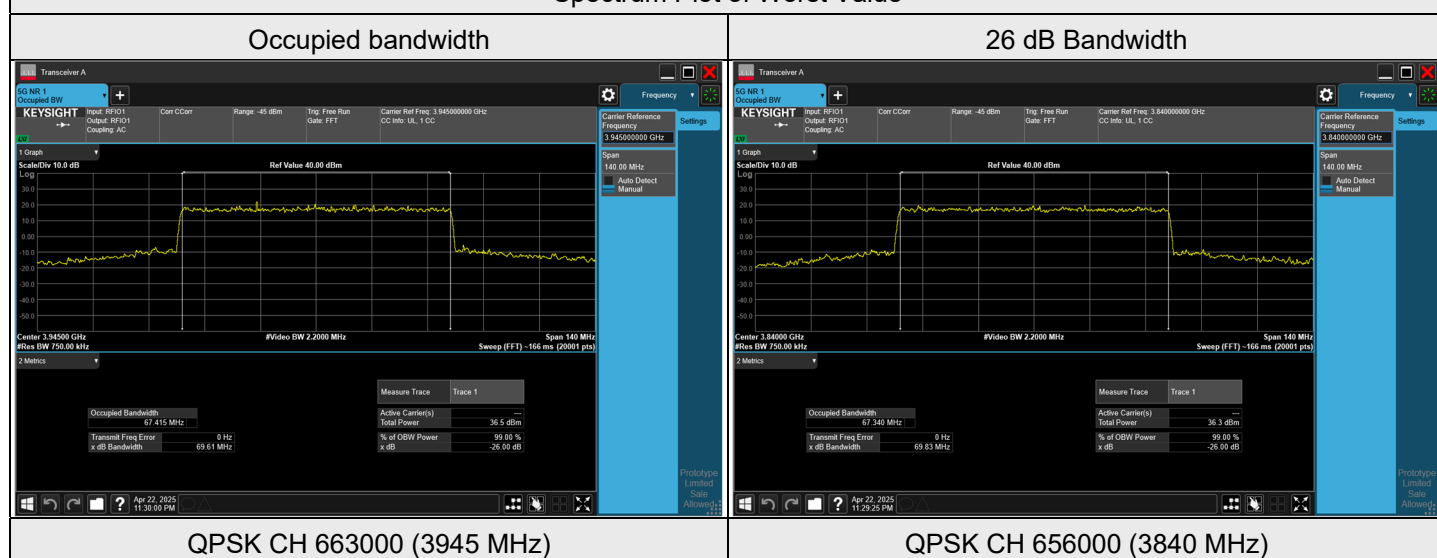
Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz), MIMO-Ant 2, Channel Bandwidth: 70 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	649000	3735	67.328	69.69
QPSK	656000	3840	67.340	69.83
QPSK	663000	3945	67.415	69.61
16QAM	649000	3735	67.162	69.52
16QAM	656000	3840	67.263	69.76
16QAM	663000	3945	67.244	69.61
64QAM	649000	3735	67.260	69.61
64QAM	656000	3840	67.243	69.72
64QAM	663000	3945	67.344	69.80
256QAM	649000	3735	67.187	69.38
256QAM	656000	3840	67.108	69.67
256QAM	663000	3945	67.201	69.77

Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz), MIMO-Ant 2, Channel Bandwidth: 80 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	649334	3740.01	77.254	80.00
QPSK	656000	3840	77.344	80.07
QPSK	662666	3939.99	77.395	80.09
16QAM	649334	3740.01	77.304	80.29
16QAM	656000	3840	77.494	80.18
16QAM	662666	3939.99	77.601	80.22
64QAM	649334	3740.01	77.170	80.16
64QAM	656000	3840	77.127	80.02
64QAM	662666	3939.99	77.185	80.11
256QAM	649334	3740.01	77.266	79.97
256QAM	656000	3840	77.184	80.09
256QAM	662666	3939.99	77.250	80.06

Spectrum Plot of Worst Value

