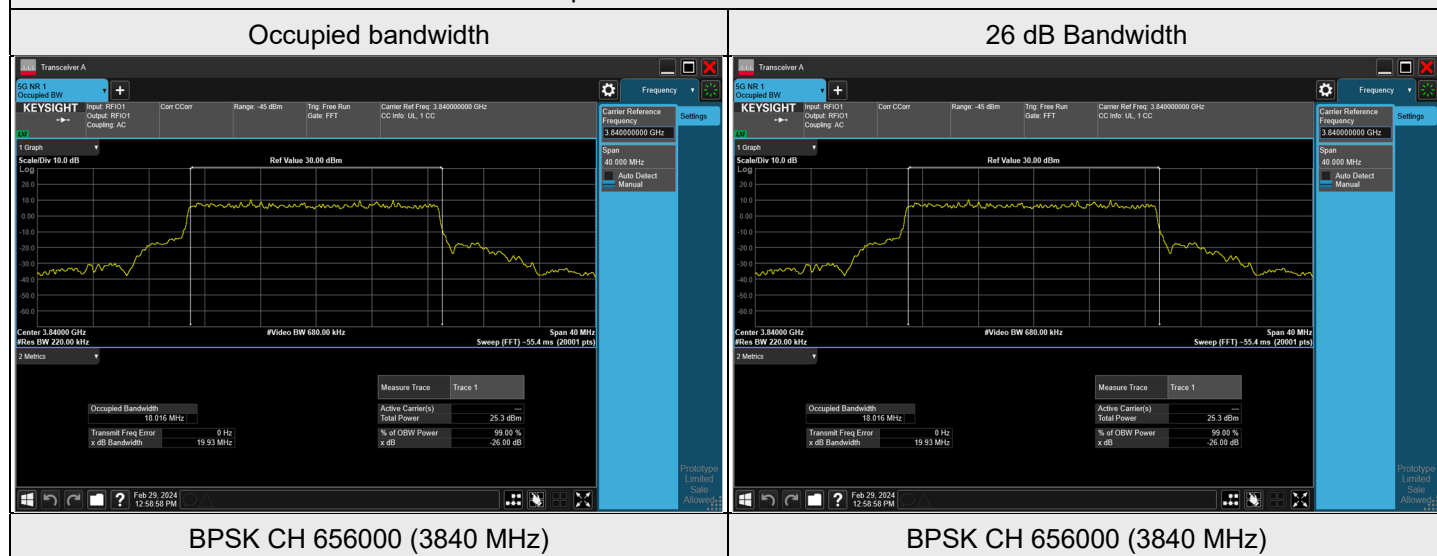


7.4.13 NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz)

NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) - Ant 5, Channel Bandwidth: 20 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	647334	3710.01	17.953	19.02
BPSK	656000	3840	18.016	19.93
BPSK	664666	3969.99	18.013	19.10

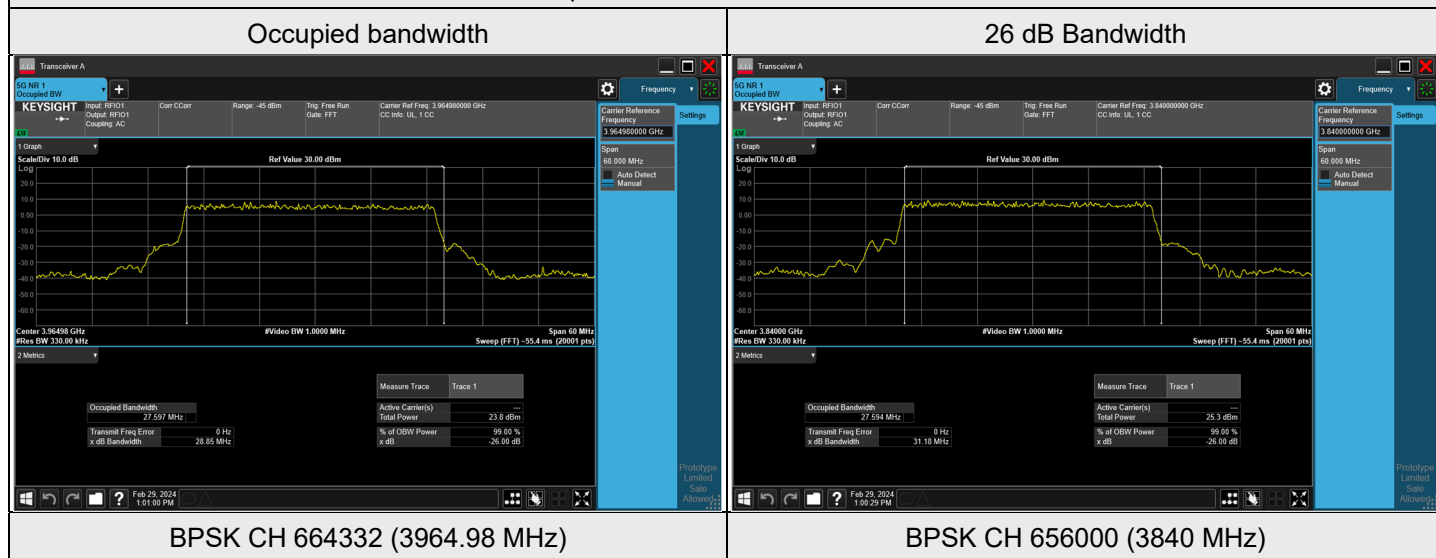
Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) - Ant 5, Channel Bandwidth: 30 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	647668	3715.02	27.552	28.51
BPSK	656000	3840	27.594	31.18
BPSK	664332	3964.98	27.597	28.85

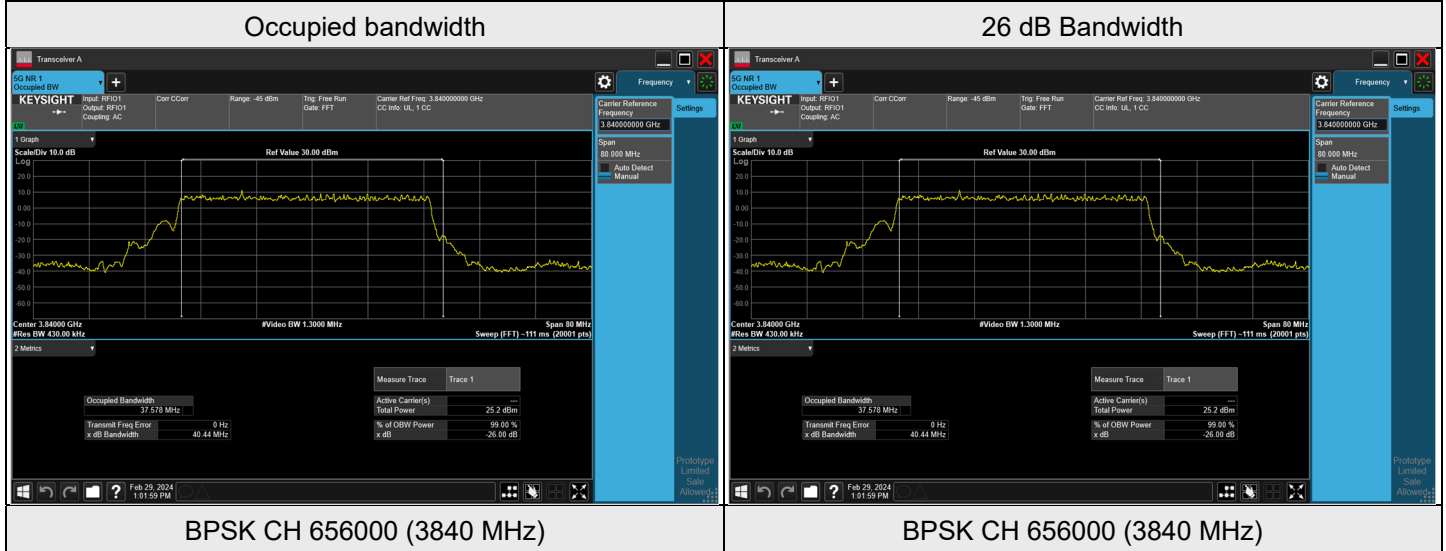
Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) - Ant 5, Channel Bandwidth: 40 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	648000	3720	37.388	39.30
BPSK	656000	3840	37.578	40.44
BPSK	664000	3960	37.514	38.57

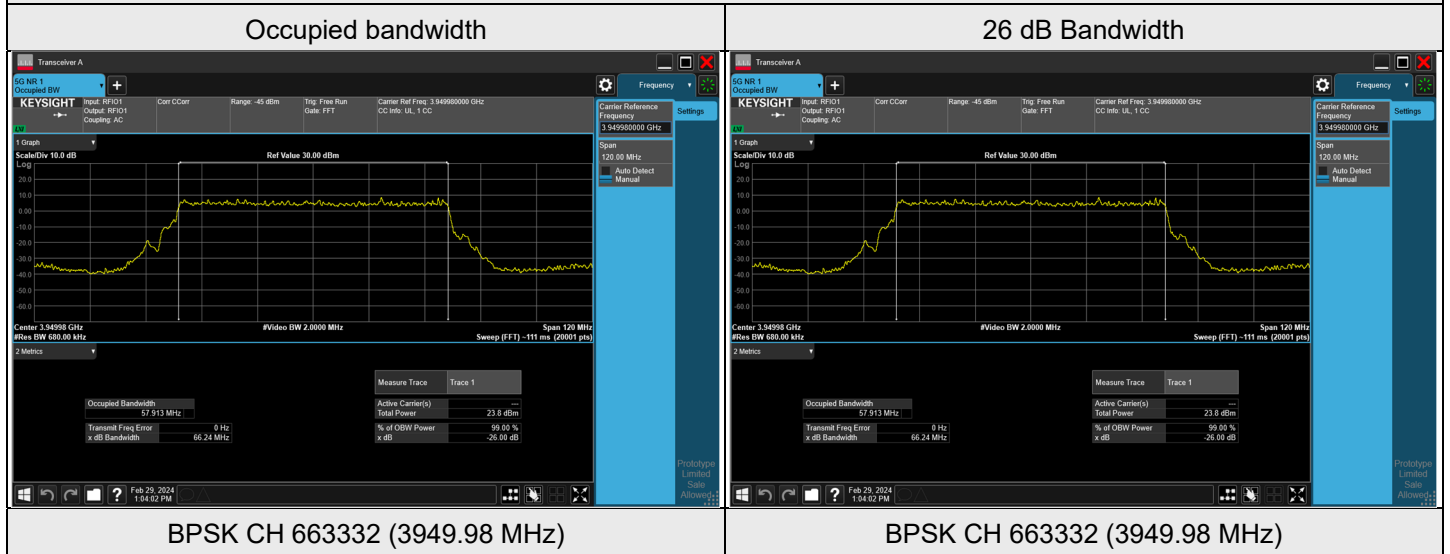
Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) - Ant 5, Channel Bandwidth: 60 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	648668	3730.02	57.662	64.75
BPSK	656000	3840	57.653	60.32
BPSK	663332	3949.98	57.913	66.24

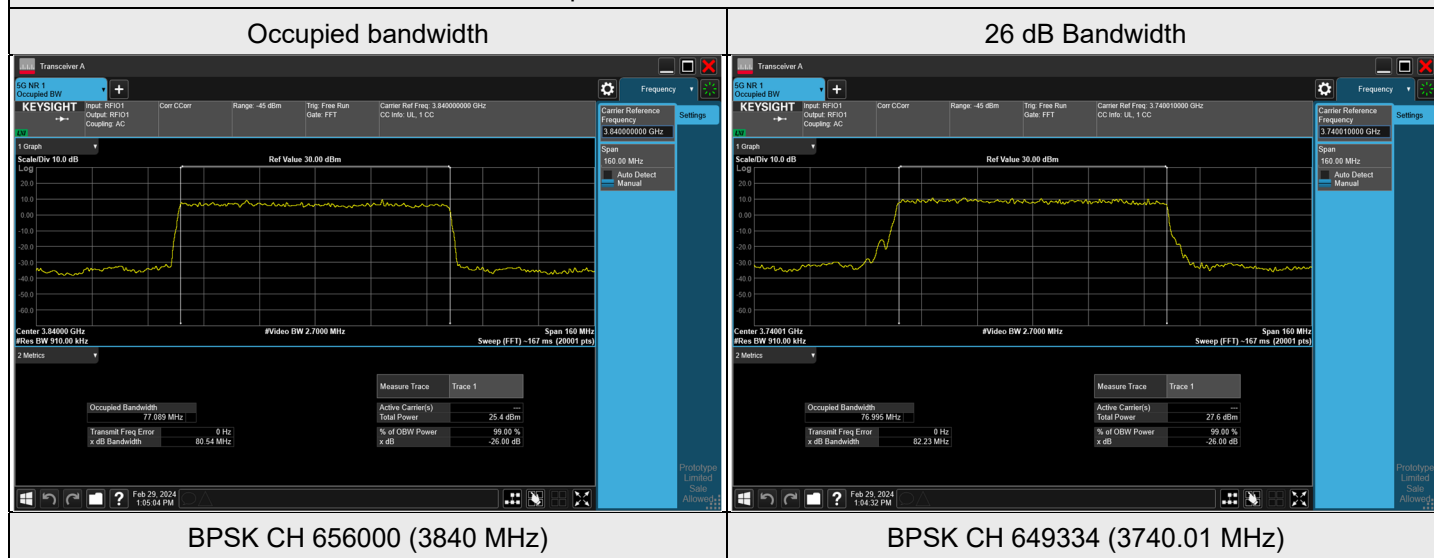
Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) - Ant 5, Channel Bandwidth: 80 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	649334	3740.01	76.995	82.23
BPSK	656000	3840	77.089	80.54
BPSK	662666	3939.99	77.064	80.28

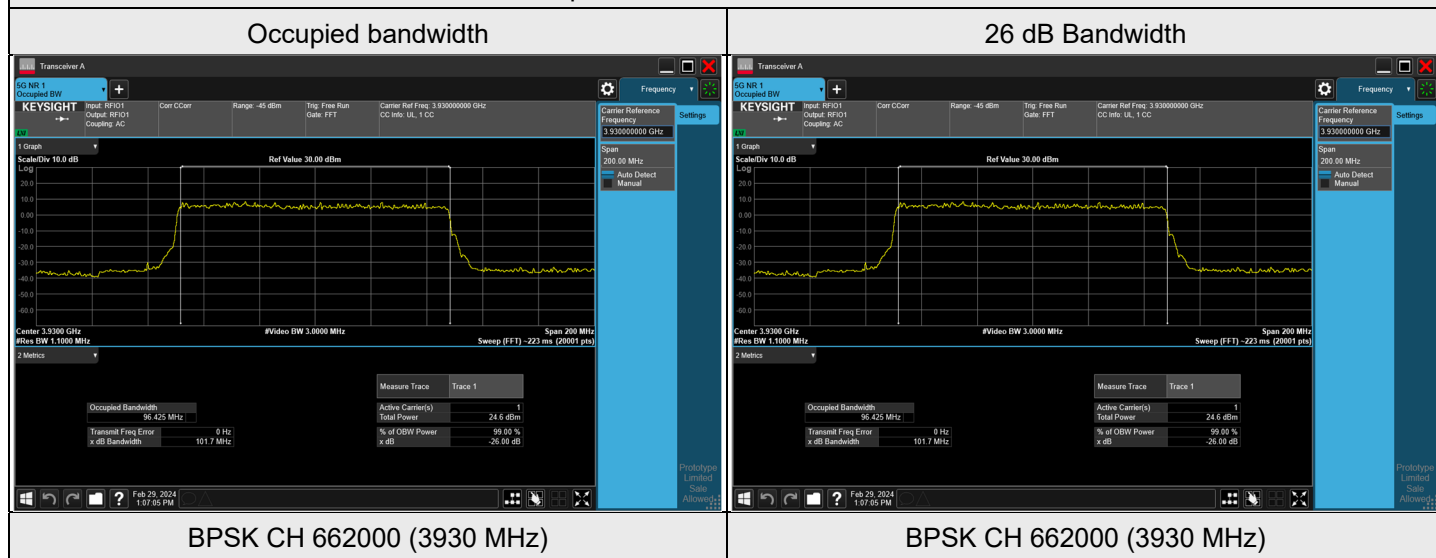
Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) - Ant 5, Channel Bandwidth: 100 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	650000	3750	96.286	101.1
BPSK	656000	3840	96.387	101.3
BPSK	662000	3930	96.425	101.7

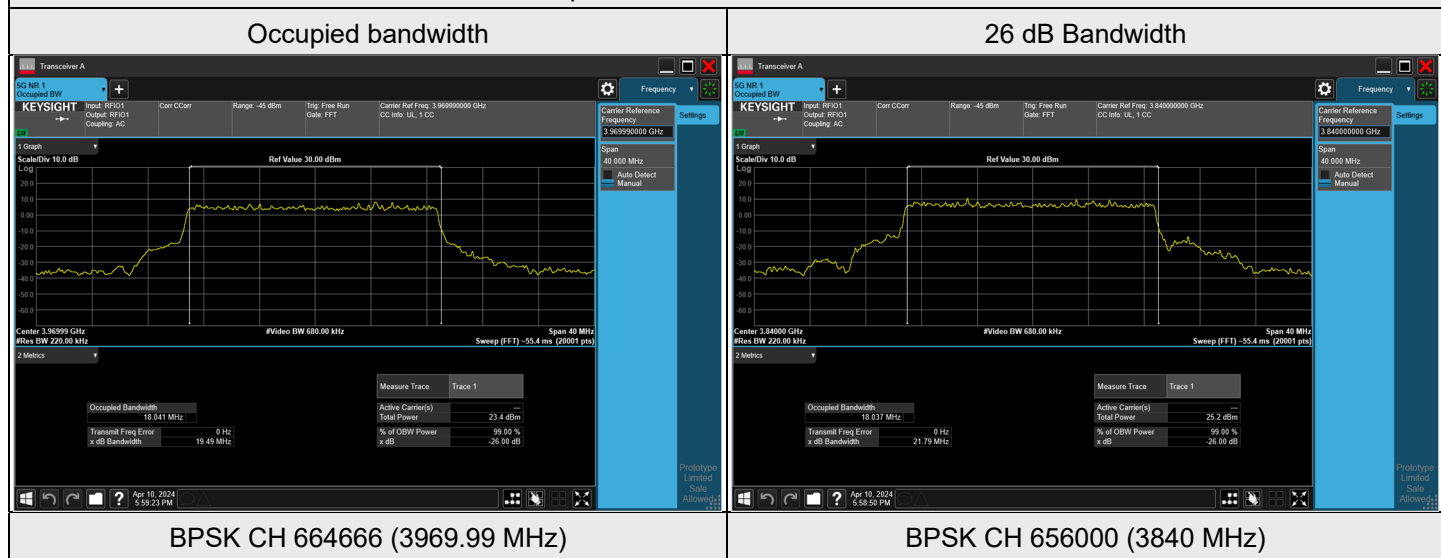
Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) - Ant 7, Channel Bandwidth: 20 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	647334	3710.01	17.981	19.13
BPSK	656000	3840	18.037	21.79
BPSK	664666	3969.99	18.041	19.49

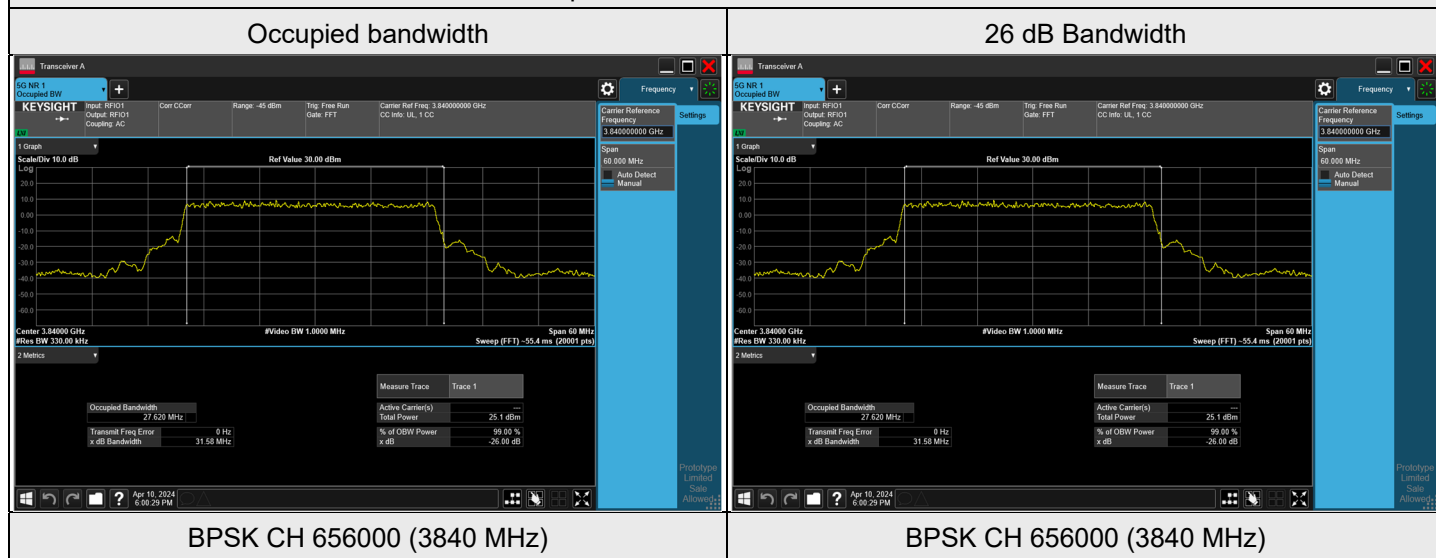
Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) - Ant 7, Channel Bandwidth: 30 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	647668	3715.02	27.589	28.56
BPSK	656000	3840	27.620	31.58
BPSK	664332	3964.98	27.558	28.55

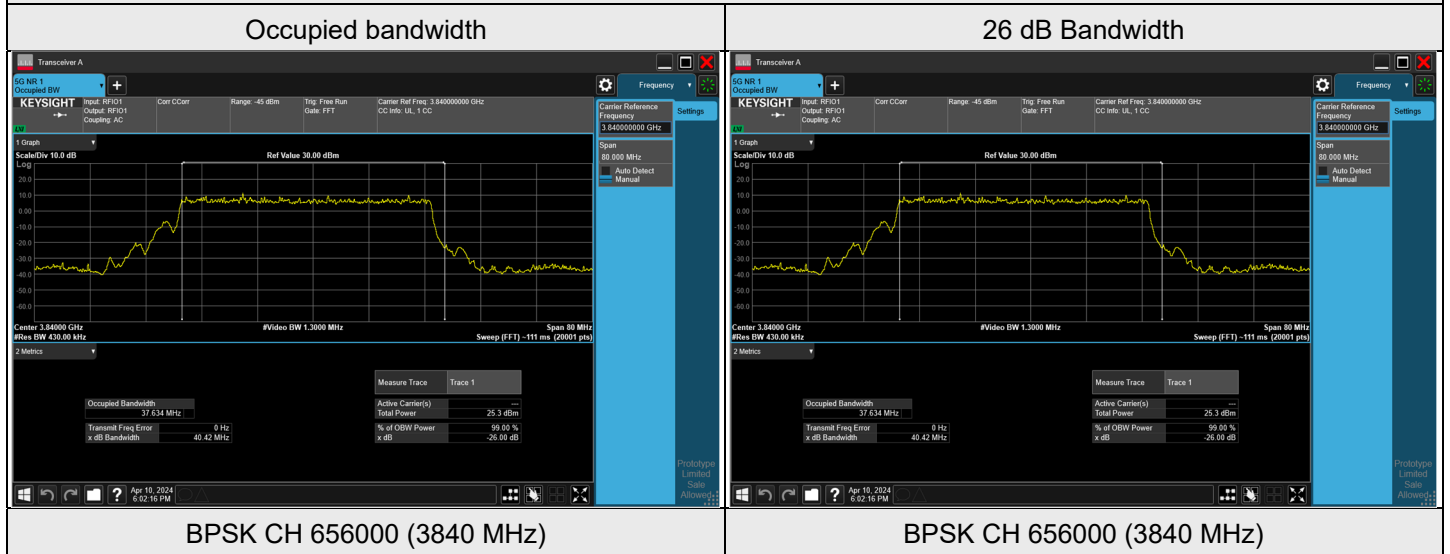
Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) - Ant 7, Channel Bandwidth: 40 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	648000	3720	37.561	39.31
BPSK	656000	3840	37.634	40.42
BPSK	664000	3960	37.456	37.86

Spectrum Plot of Worst Value





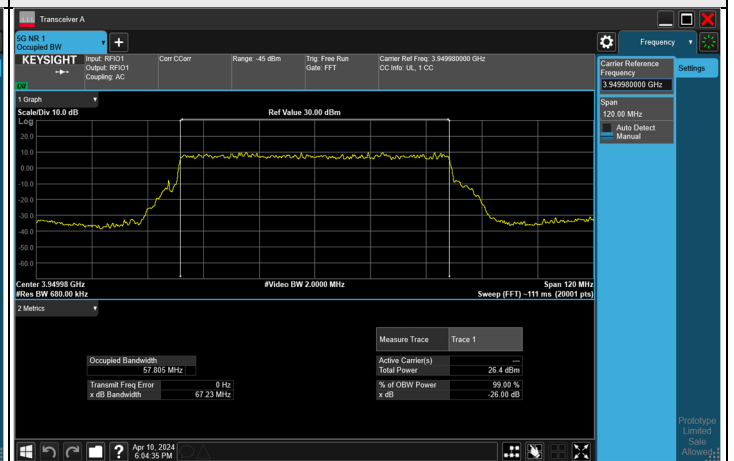
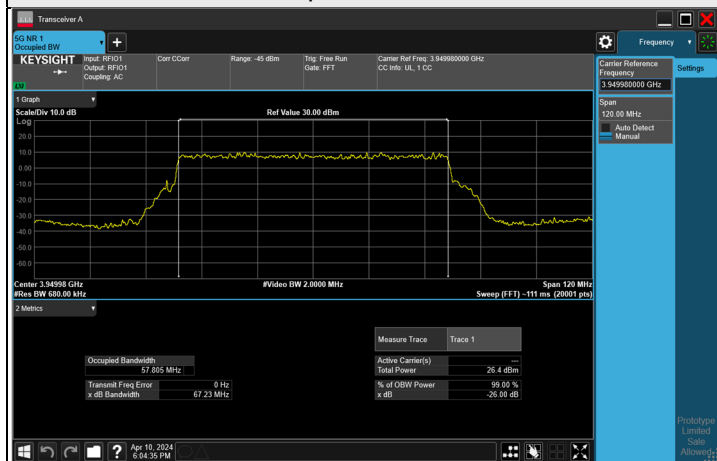
NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) - Ant 7, Channel Bandwidth: 60 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	648668	3730.02	57.581	60.33
BPSK	656000	3840	57.673	60.34
BPSK	663332	3949.98	57.805	67.23

Spectrum Plot of Worst Value

Occupied bandwidth

26 dB Bandwidth



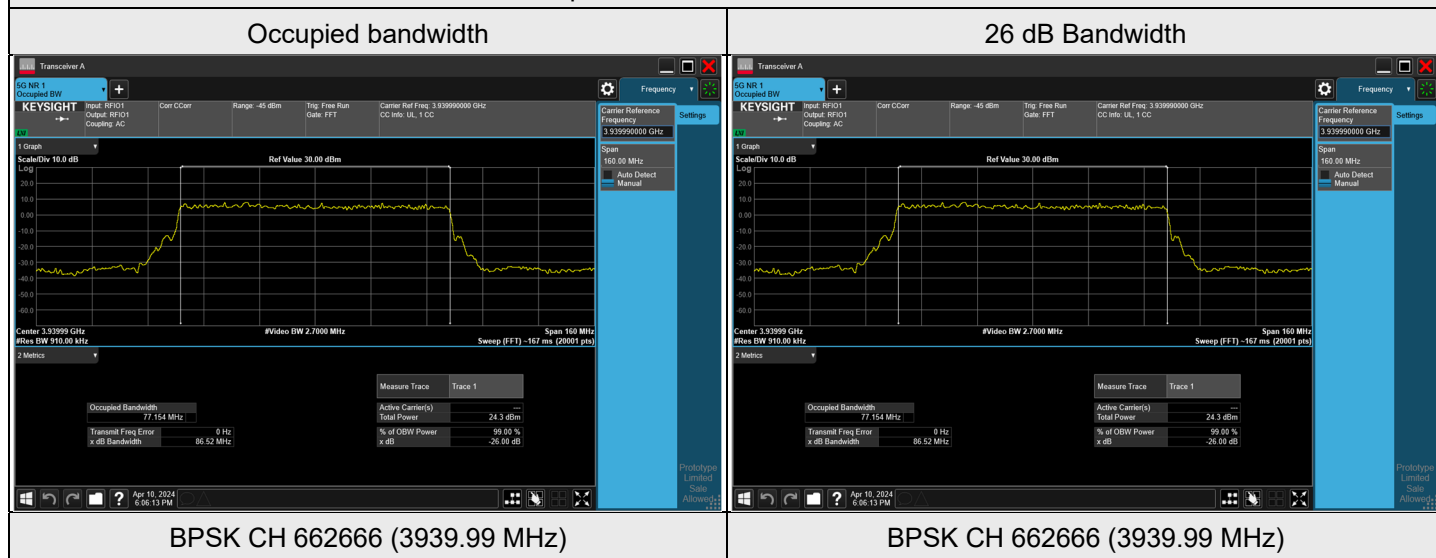
BPSK CH 663332 (3949.98 MHz)

BPSK CH 663332 (3949.98 MHz)

NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) - Ant 7, Channel Bandwidth: 80 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	649334	3740.01	76.979	81.23
BPSK	656000	3840	77.062	82.40
BPSK	662666	3939.99	77.154	86.52

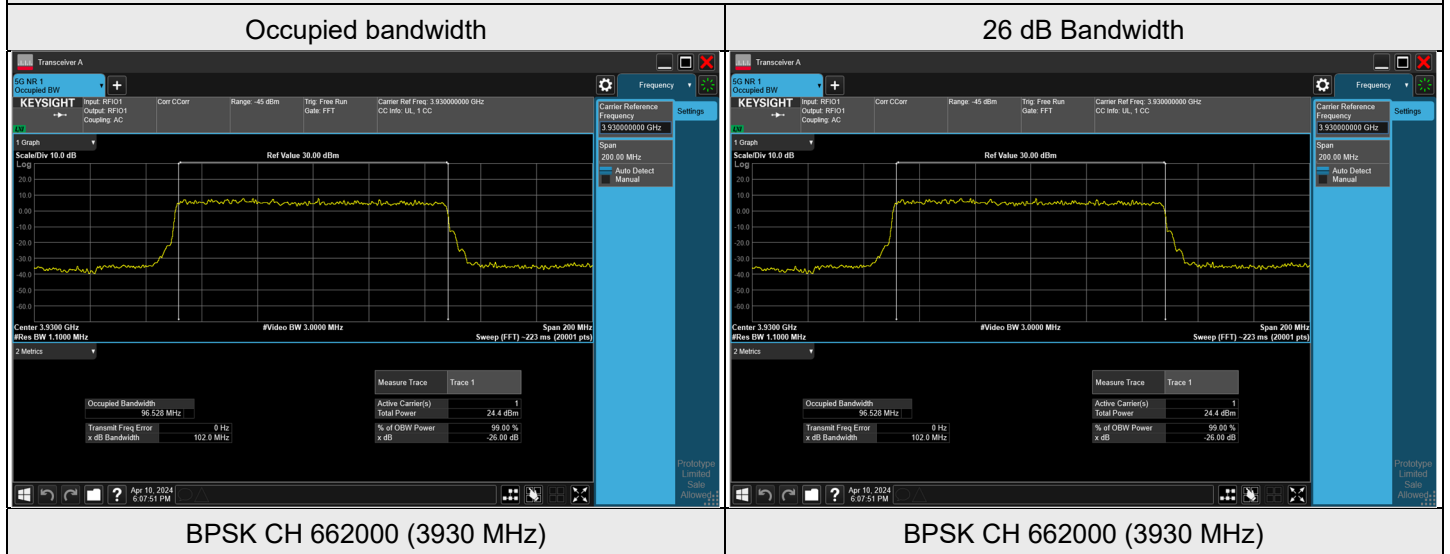
Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) - Ant 7, Channel Bandwidth: 100 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	650000	3750	96.308	100.6
BPSK	656000	3840	96.409	101.0
BPSK	662000	3930	96.528	102.0

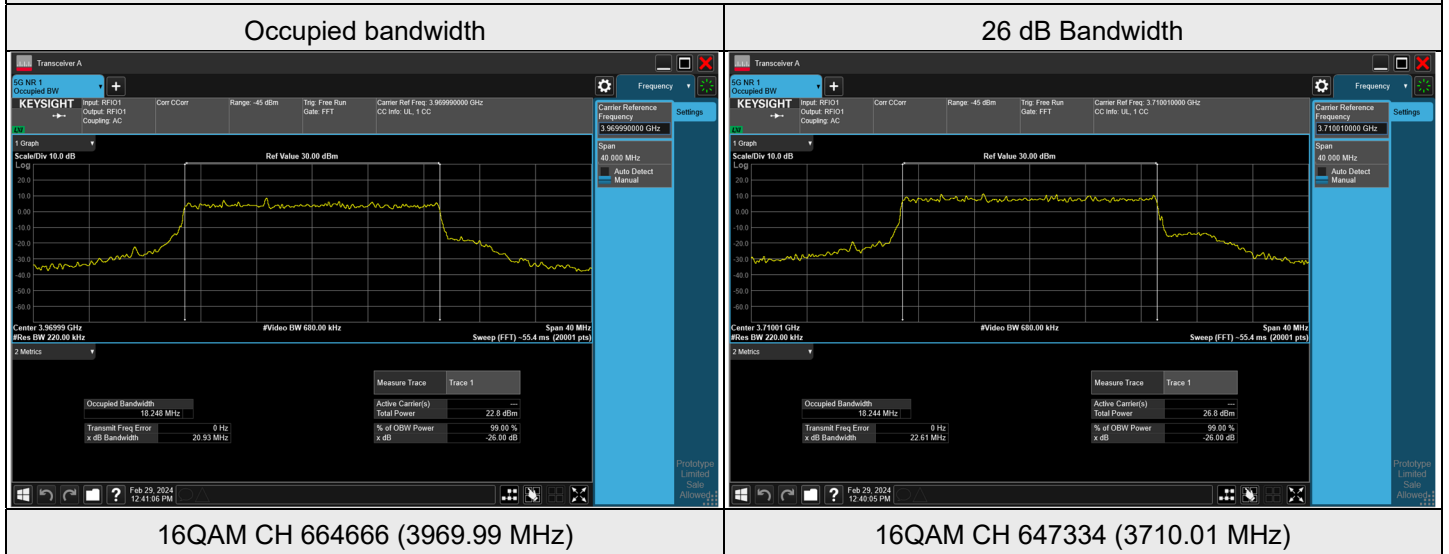
Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) - MIMO-Ant 5, Channel Bandwidth: 20 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	647334	3710.01	17.953	19.02
BPSK	656000	3840	18.016	19.93
BPSK	664666	3969.99	18.013	19.10
QPSK	647334	3710.01	18.197	19.78
QPSK	656000	3840	18.202	19.48
QPSK	664666	3969.99	18.197	19.86
16QAM	647334	3710.01	18.244	22.61
16QAM	656000	3840	18.240	20.53
16QAM	664666	3969.99	18.248	20.93
64QAM	647334	3710.01	18.220	21.28
64QAM	656000	3840	18.197	19.33
64QAM	664666	3969.99	18.244	20.29
256QAM	647334	3710.01	18.169	19.59
256QAM	656000	3840	18.233	19.91
256QAM	664666	3969.99	18.206	19.57

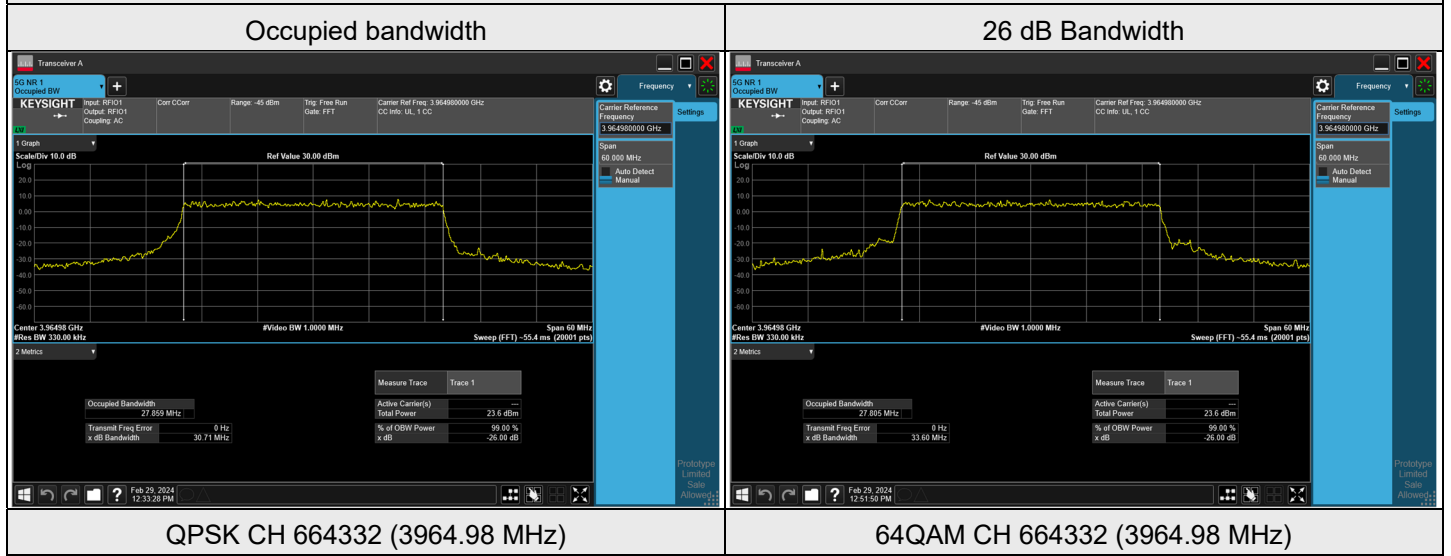
Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) - MIMO-Ant 5, Channel Bandwidth: 30 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	647668	3715.02	27.552	28.51
BPSK	656000	3840	27.594	31.18
BPSK	664332	3964.98	27.597	28.85
QPSK	647668	3715.02	27.807	29.70
QPSK	656000	3840	27.837	31.02
QPSK	664332	3964.98	27.859	30.71
16QAM	647668	3715.02	27.764	32.02
16QAM	656000	3840	27.787	29.45
16QAM	664332	3964.98	27.777	29.57
64QAM	647668	3715.02	27.807	31.32
64QAM	656000	3840	27.806	33.52
64QAM	664332	3964.98	27.805	33.60
256QAM	647668	3715.02	27.812	32.02
256QAM	656000	3840	27.831	31.81
256QAM	664332	3964.98	27.842	31.76

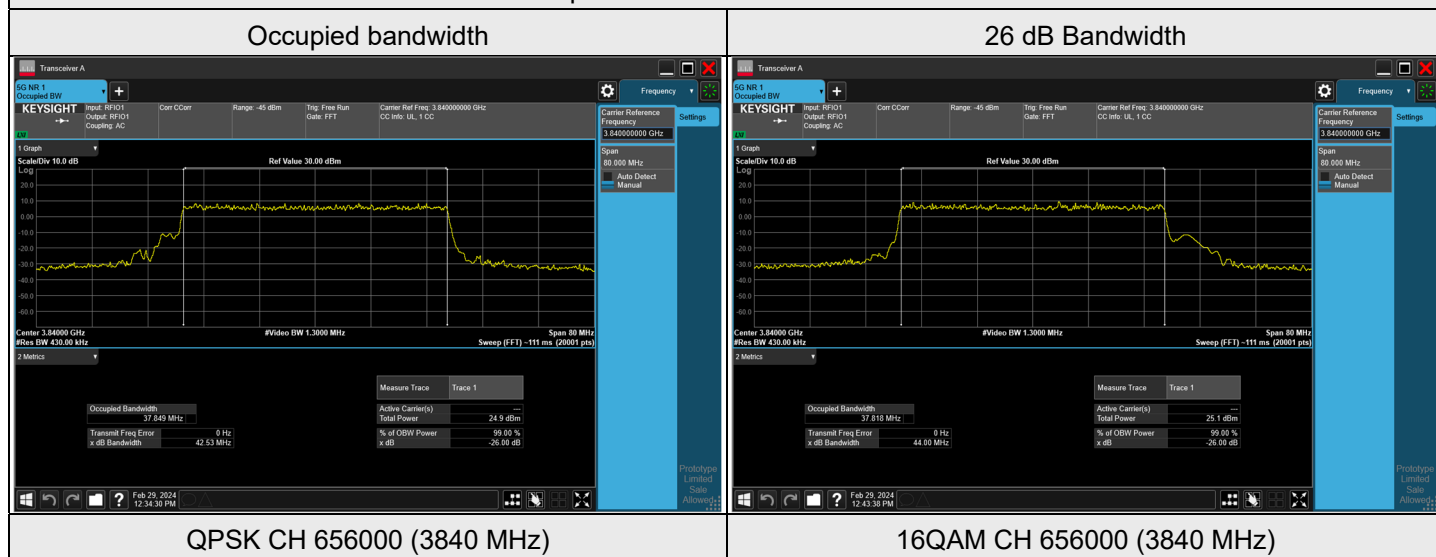
Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) - MIMO-Ant 5, Channel Bandwidth: 40 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	648000	3720	37.388	39.30
BPSK	656000	3840	37.578	40.44
BPSK	664000	3960	37.514	38.57
QPSK	648000	3720	37.812	41.49
QPSK	656000	3840	37.849	42.53
QPSK	664000	3960	37.825	43.56
16QAM	648000	3720	37.755	43.04
16QAM	656000	3840	37.818	44.00
16QAM	664000	3960	37.809	43.62
64QAM	648000	3720	37.753	40.81
64QAM	656000	3840	37.825	43.42
64QAM	664000	3960	37.776	43.15
256QAM	648000	3720	37.664	40.06
256QAM	656000	3840	37.713	40.85
256QAM	664000	3960	37.721	40.60

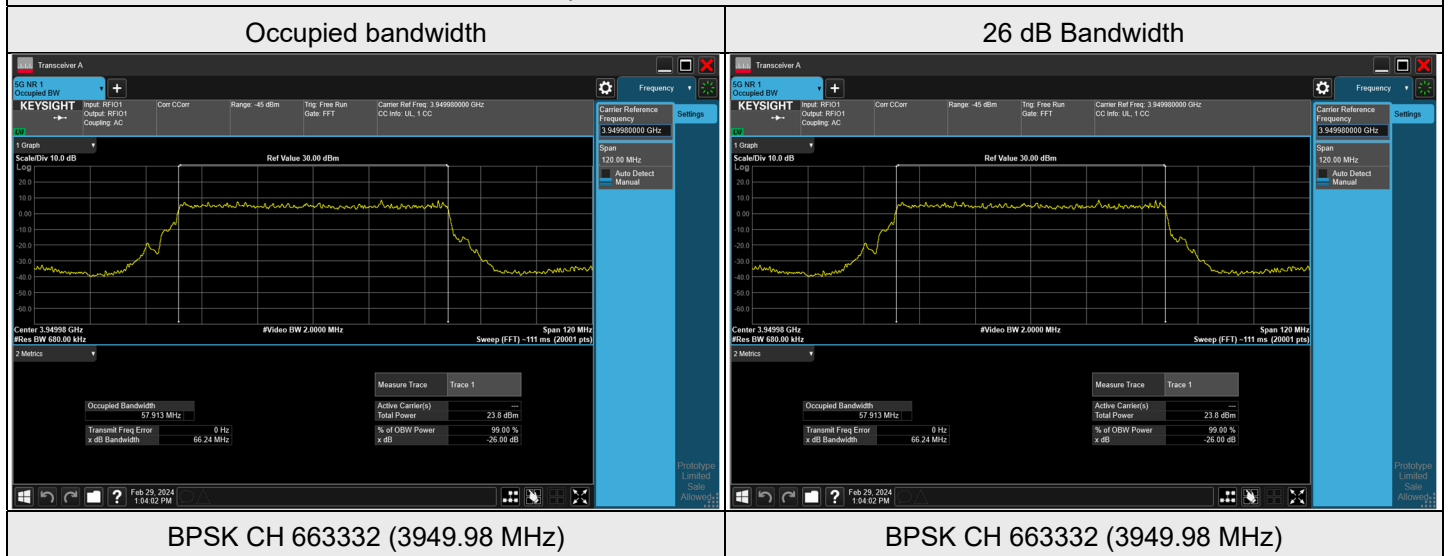
Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) - MIMO-Ant 5, Channel Bandwidth: 60 MHz

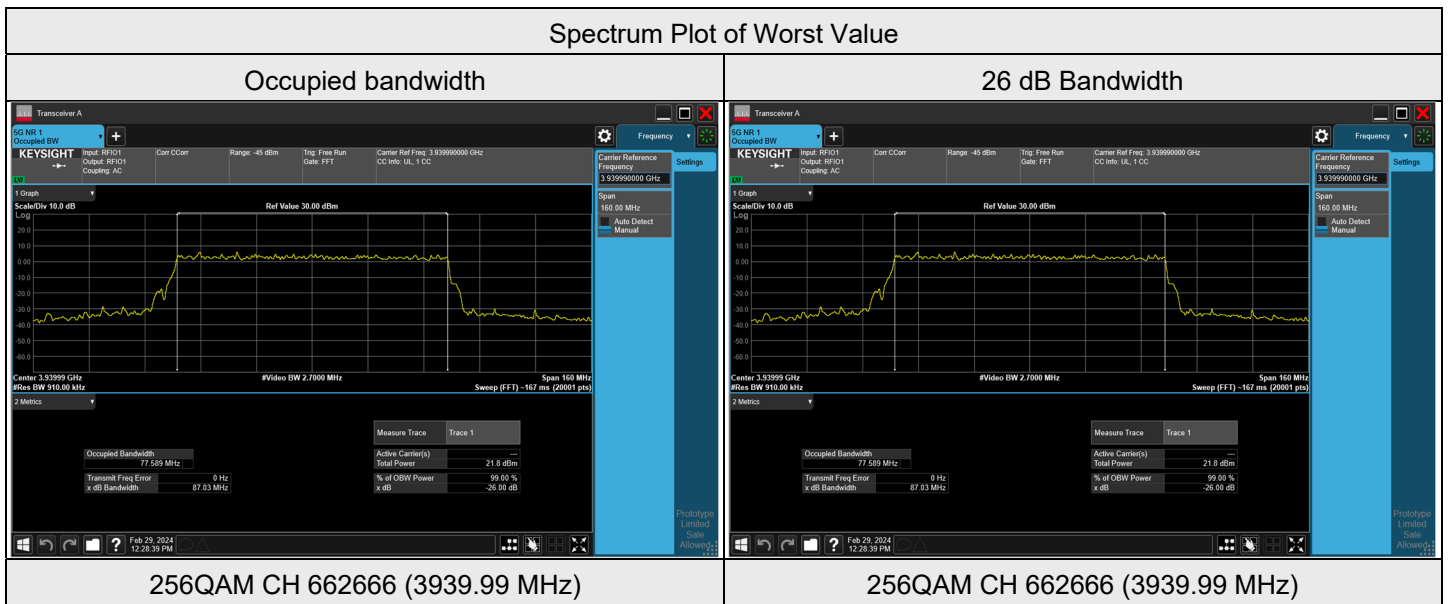
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	648668	3730.02	57.662	64.75
BPSK	656000	3840	57.653	60.32
BPSK	663332	3949.98	57.913	66.24
QPSK	648668	3730.02	57.678	64.72
QPSK	656000	3840	57.745	62.47
QPSK	663332	3949.98	57.746	64.10
16QAM	648668	3730.02	57.738	65.75
16QAM	656000	3840	57.772	62.90
16QAM	663332	3949.98	57.721	60.23
64QAM	648668	3730.02	57.708	60.25
64QAM	656000	3840	57.761	60.30
64QAM	663332	3949.98	57.699	60.61
256QAM	648668	3730.02	57.650	60.10
256QAM	656000	3840	57.773	64.53
256QAM	663332	3949.98	57.735	64.11

Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) - MIMO-Ant 5, Channel Bandwidth: 80 MHz

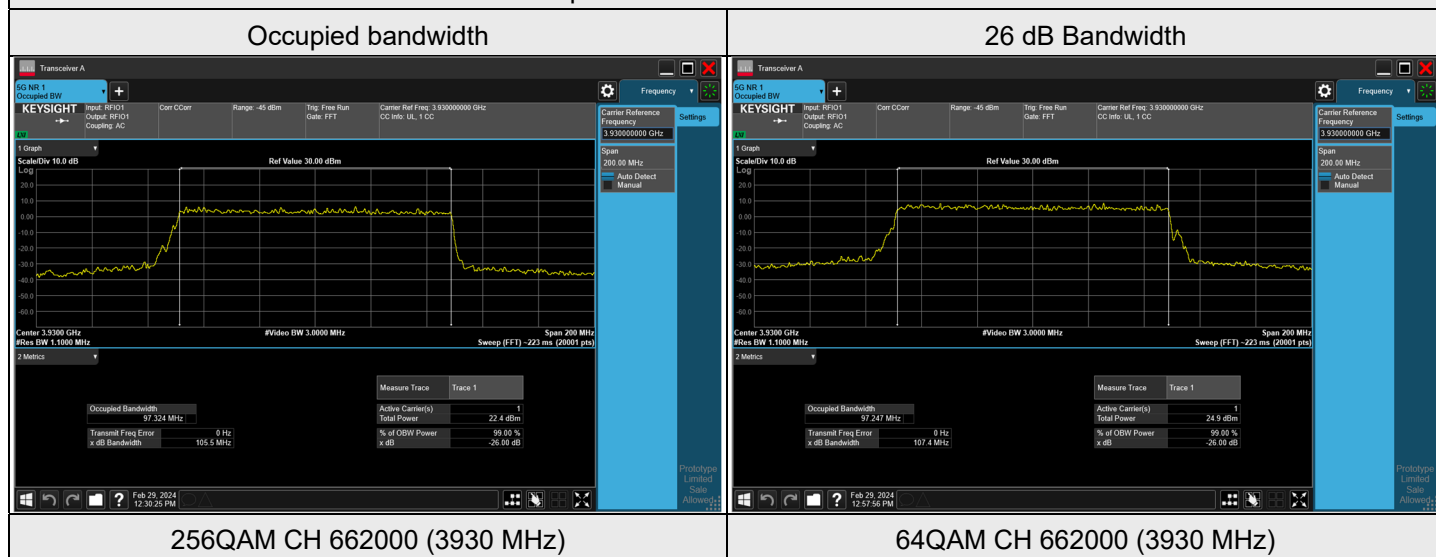
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	649334	3740.01	76.995	82.23
BPSK	656000	3840	77.089	80.54
BPSK	662666	3939.99	77.064	80.28
QPSK	649334	3740.01	77.201	85.38
QPSK	656000	3840	77.201	80.30
QPSK	662666	3939.99	77.200	80.69
16QAM	649334	3740.01	77.219	83.48
16QAM	656000	3840	77.251	82.10
16QAM	662666	3939.99	77.441	85.18
64QAM	649334	3740.01	77.224	82.85
64QAM	656000	3840	77.297	81.29
64QAM	662666	3939.99	77.328	83.21
256QAM	649334	3740.01	77.346	80.53
256QAM	656000	3840	77.506	85.89
256QAM	662666	3939.99	77.589	87.03



NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) - MIMO-Ant 5, Channel Bandwidth: 100 MHz

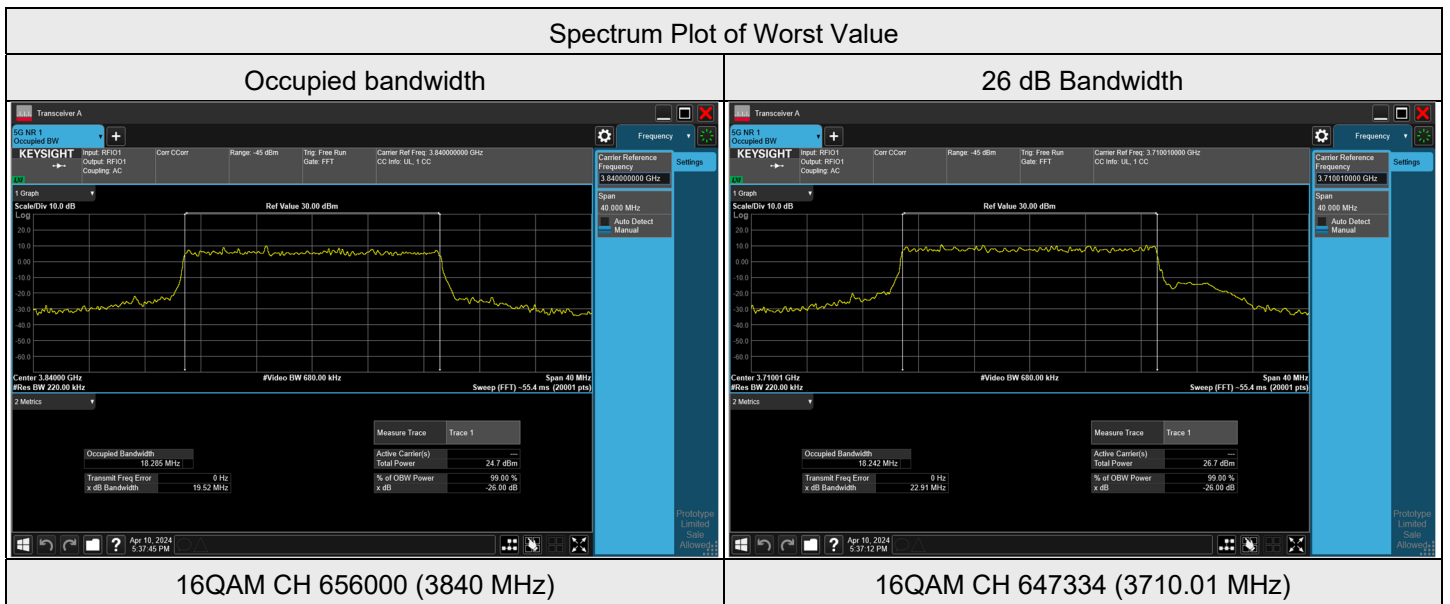
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	650000	3750	96.286	101.1
BPSK	656000	3840	96.387	101.3
BPSK	662000	3930	96.425	101.7
QPSK	650000	3750	97.025	103.1
QPSK	656000	3840	97.049	104.0
QPSK	662000	3930	97.223	104.2
16QAM	650000	3750	97.102	102.9
16QAM	656000	3840	97.127	100.9
16QAM	662000	3930	97.185	103.2
64QAM	650000	3750	97.108	107.0
64QAM	656000	3840	97.308	106.4
64QAM	662000	3930	97.247	107.4
256QAM	650000	3750	97.182	103.5
256QAM	656000	3840	97.243	103.2
256QAM	662000	3930	97.324	105.5

Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) - MIMO-Ant 7, Channel Bandwidth: 20 MHz

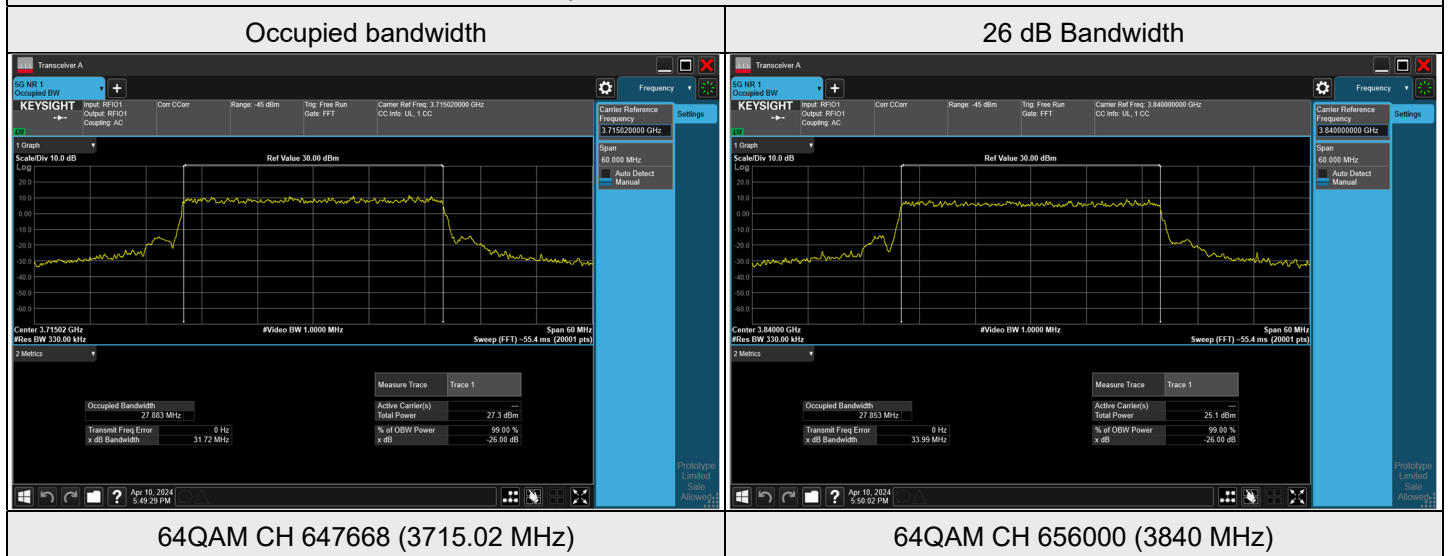
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	647334	3710.01	17.981	19.13
BPSK	656000	3840	18.037	21.79
BPSK	664666	3969.99	18.041	19.49
QPSK	647334	3710.01	18.192	19.68
QPSK	656000	3840	18.236	20.45
QPSK	664666	3969.99	18.206	20.01
16QAM	647334	3710.01	18.242	22.91
16QAM	656000	3840	18.285	19.52
16QAM	664666	3969.99	18.241	21.13
64QAM	647334	3710.01	18.225	21.29
64QAM	656000	3840	18.213	19.58
64QAM	664666	3969.99	18.252	19.62
256QAM	647334	3710.01	18.170	19.53
256QAM	656000	3840	18.225	19.86
256QAM	664666	3969.99	18.221	19.83



NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) - MIMO-Ant 7, Channel Bandwidth: 30 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	647668	3715.02	27.589	28.56
BPSK	656000	3840	27.620	31.58
BPSK	664332	3964.98	27.558	28.55
QPSK	647668	3715.02	27.818	29.57
QPSK	656000	3840	27.855	32.09
QPSK	664332	3964.98	27.830	29.64
16QAM	647668	3715.02	27.780	29.30
16QAM	656000	3840	27.788	32.48
16QAM	664332	3964.98	27.783	29.51
64QAM	647668	3715.02	27.883	31.72
64QAM	656000	3840	27.853	33.99
64QAM	664332	3964.98	27.810	31.81
256QAM	647668	3715.02	27.836	31.79
256QAM	656000	3840	27.837	31.95
256QAM	664332	3964.98	27.789	29.38

Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) - MIMO-Ant 7, Channel Bandwidth: 40 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	648000	3720	37.561	39.31
BPSK	656000	3840	37.634	40.42
BPSK	664000	3960	37.456	37.86
QPSK	648000	3720	37.836	41.99
QPSK	656000	3840	37.867	42.72
QPSK	664000	3960	37.873	43.14
16QAM	648000	3720	37.769	42.66
16QAM	656000	3840	37.867	44.55
16QAM	664000	3960	37.819	44.26
64QAM	648000	3720	37.755	39.89
64QAM	656000	3840	37.833	44.73
64QAM	664000	3960	37.801	42.89
256QAM	648000	3720	37.691	39.86
256QAM	656000	3840	37.690	39.91
256QAM	664000	3960	37.707	40.34

Spectrum Plot of Worst Value

