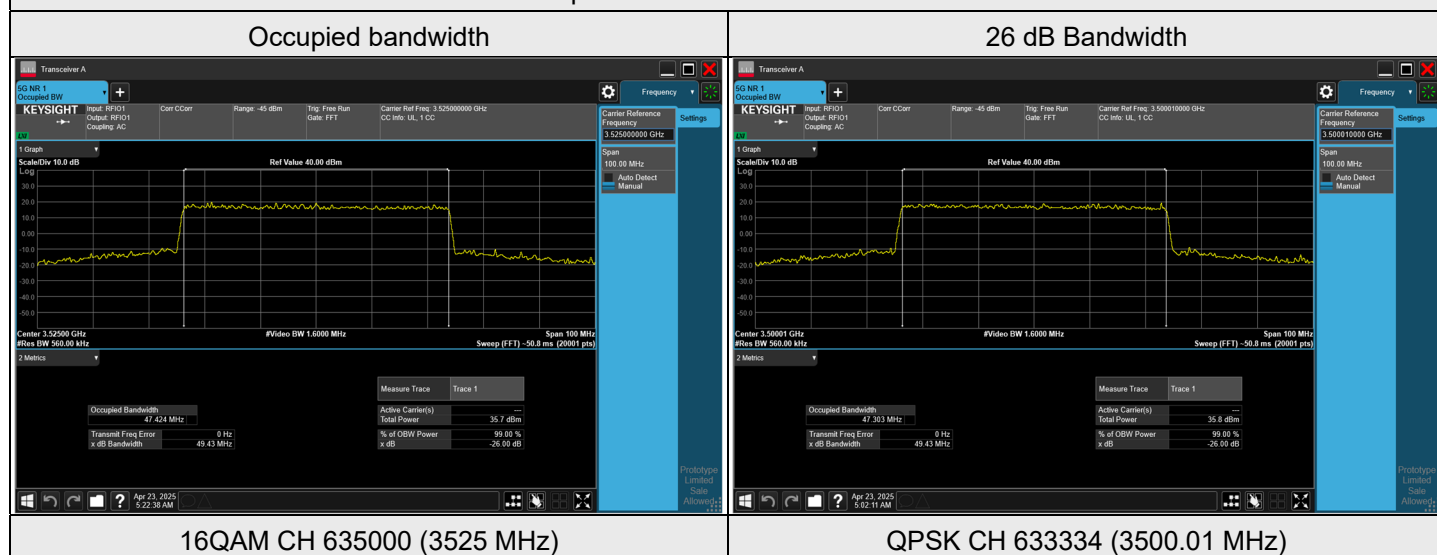


NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz), MIMO-Ant 2, Channel Bandwidth: 50 MHz

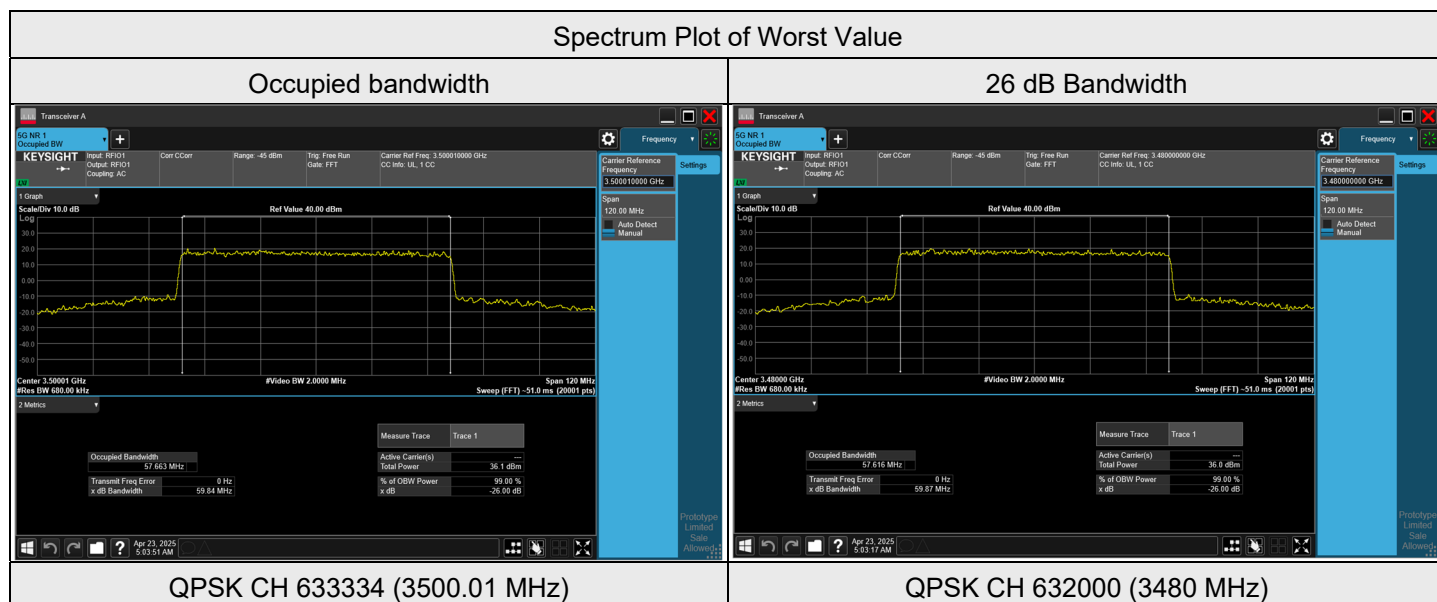
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	631668	3475.02	47.282	49.28
QPSK	633334	3500.01	47.303	49.43
QPSK	635000	3525	47.344	49.33
16QAM	631668	3475.02	47.402	49.33
16QAM	633334	3500.01	47.373	49.36
16QAM	635000	3525	47.424	49.43
64QAM	631668	3475.02	47.335	49.42
64QAM	633334	3500.01	47.360	49.39
64QAM	635000	3525	47.380	49.27
256QAM	631668	3475.02	47.341	49.39
256QAM	633334	3500.01	47.363	48.98
256QAM	635000	3525	47.393	49.43

Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz), MIMO-Ant 2, Channel Bandwidth: 60 MHz

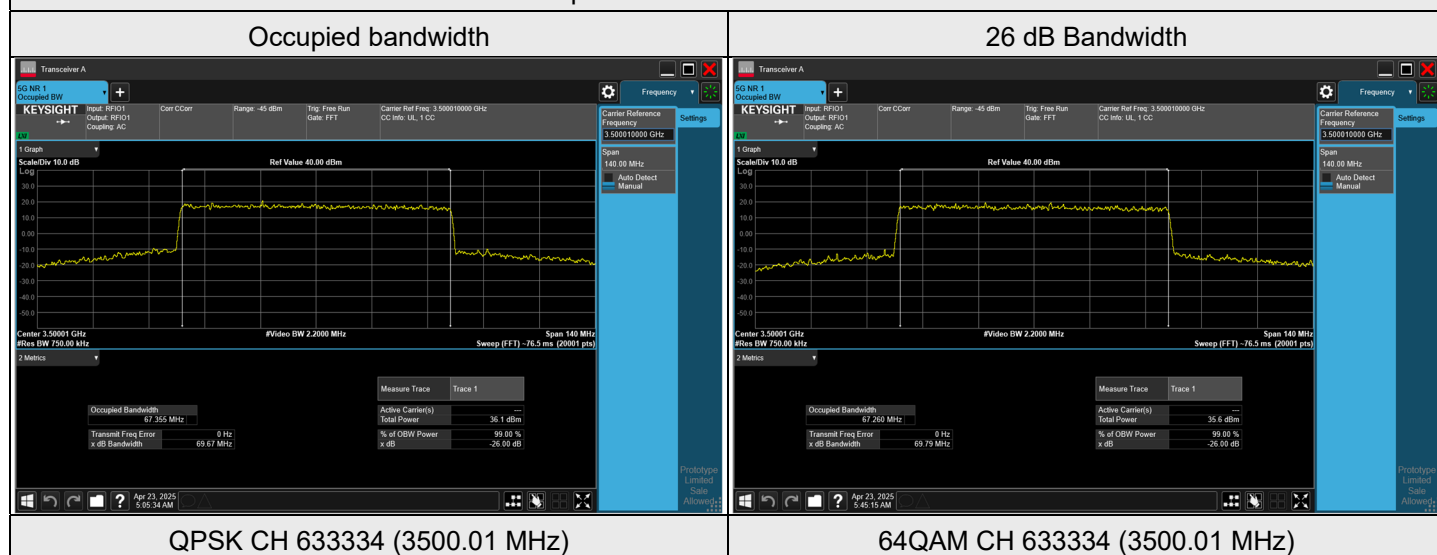
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	632000	3480	57.616	59.87
QPSK	633334	3500.01	57.663	59.84
QPSK	634666	3519.99	57.628	59.74
16QAM	632000	3480	57.577	59.74
16QAM	633334	3500.01	57.521	59.73
16QAM	634666	3519.99	57.540	59.80
64QAM	632000	3480	57.570	59.80
64QAM	633334	3500.01	57.650	59.76
64QAM	634666	3519.99	57.581	59.73
256QAM	632000	3480	57.520	59.80
256QAM	633334	3500.01	57.570	59.73
256QAM	634666	3519.99	57.567	59.75



NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz), MIMO-Ant 2, Channel Bandwidth: 70 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	632334	3485.01	67.286	69.73
QPSK	633334	3500.01	67.355	69.67
QPSK	634332	3514.98	67.332	69.63
16QAM	632334	3485.01	67.092	69.67
16QAM	633334	3500.01	67.108	69.69
16QAM	634332	3514.98	67.247	69.74
64QAM	632334	3485.01	67.218	69.71
64QAM	633334	3500.01	67.260	69.79
64QAM	634332	3514.98	67.287	69.74
256QAM	632334	3485.01	67.187	69.61
256QAM	633334	3500.01	67.130	69.65
256QAM	634332	3514.98	67.204	69.70

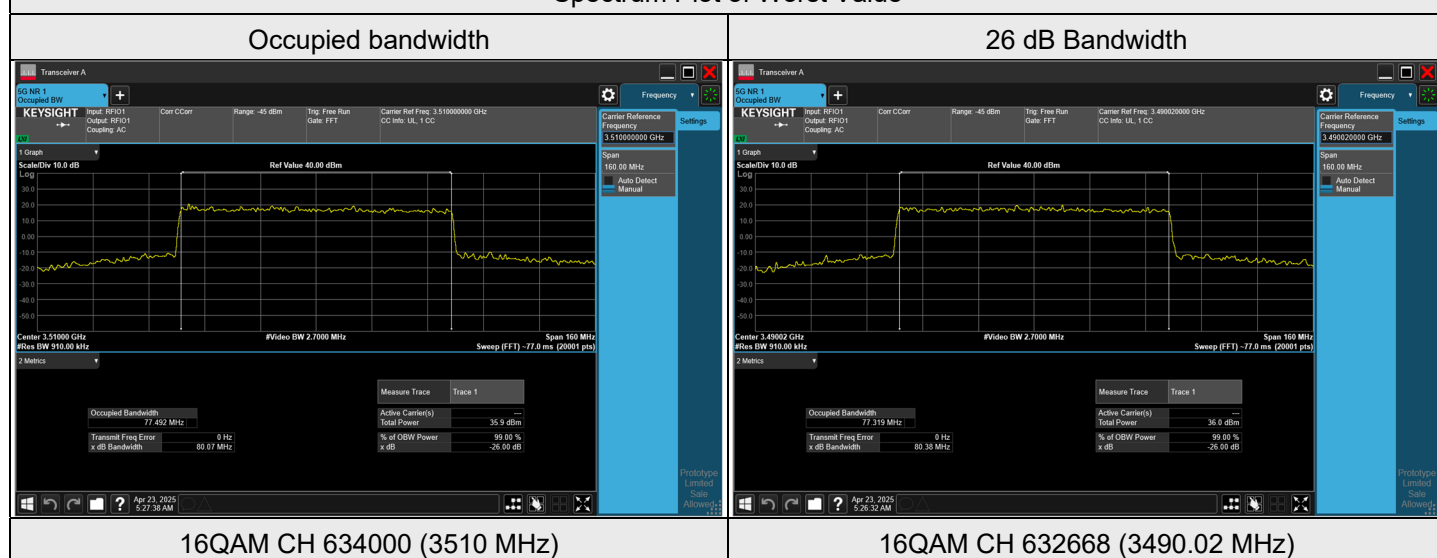
Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz), MIMO-Ant 2, Channel Bandwidth: 80 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	632668	3490.02	77.201	79.95
QPSK	633334	3500.01	77.314	79.82
QPSK	634000	3510	77.284	80.04
16QAM	632668	3490.02	77.319	80.38
16QAM	633334	3500.01	77.441	80.15
16QAM	634000	3510	77.492	80.07
64QAM	632668	3490.02	77.127	80.05
64QAM	633334	3500.01	77.110	79.84
64QAM	634000	3510	77.154	80.01
256QAM	632668	3490.02	77.238	79.97
256QAM	633334	3500.01	77.080	80.00
256QAM	634000	3510	76.961	79.86

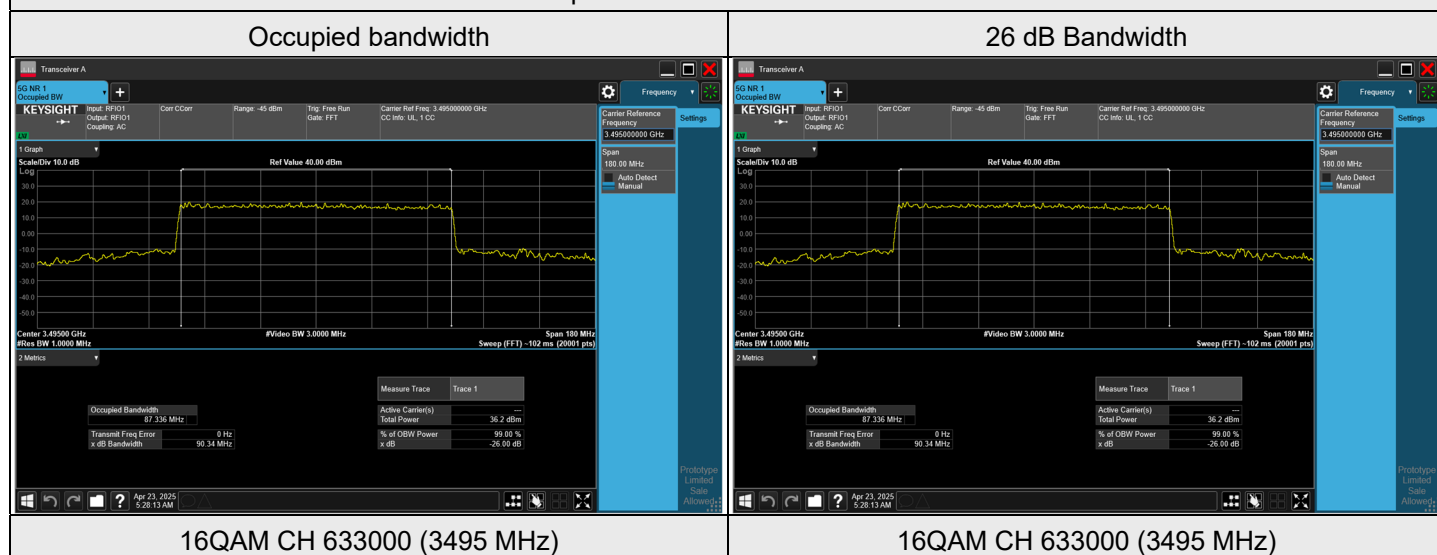
Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz), MIMO-Ant 2, Channel Bandwidth: 90 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	633000	3495	87.158	90.24
QPSK	633334	3500.01	87.143	90.30
QPSK	633666	3504.99	87.194	90.25
16QAM	633000	3495	87.336	90.34
16QAM	633334	3500.01	87.104	90.19
16QAM	633666	3504.99	87.034	90.20
64QAM	633000	3495	87.086	90.18
64QAM	633334	3500.01	87.124	90.12
64QAM	633666	3504.99	87.176	90.23
256QAM	633000	3495	87.035	90.16
256QAM	633334	3500.01	87.067	90.05
256QAM	633666	3504.99	87.142	90.15

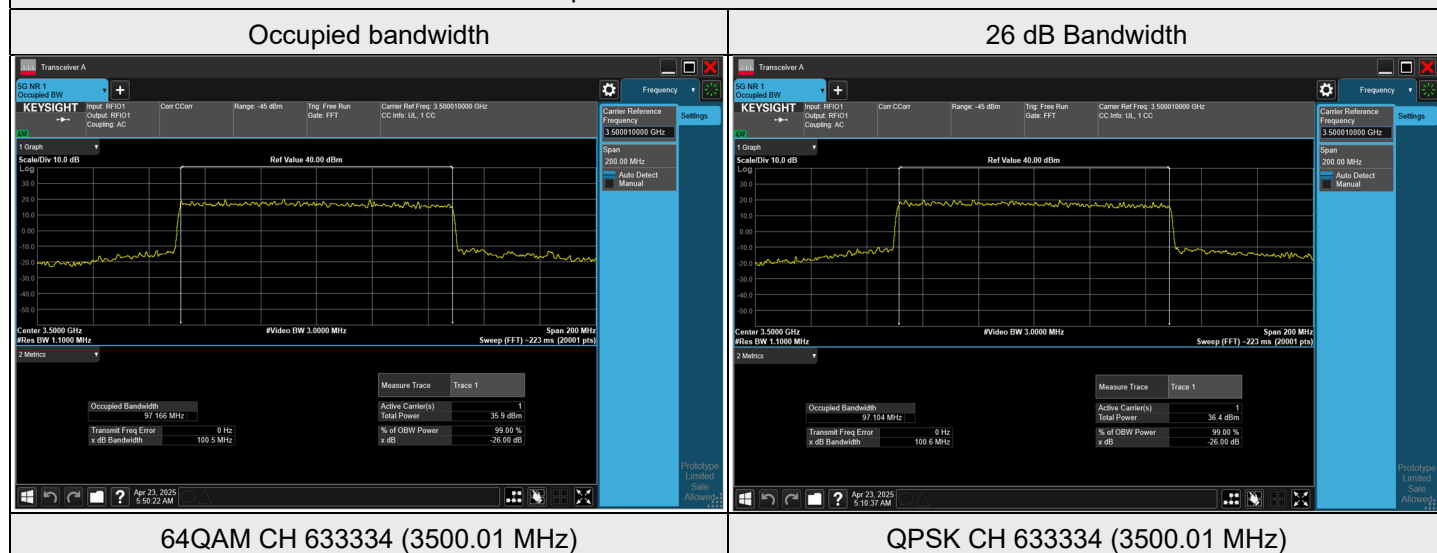
Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz), MIMO-Ant 2, Channel Bandwidth: 100 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	633334	3500.01	97.104	100.6
16QAM	633334	3500.01	97.108	100.4
64QAM	633334	3500.01	97.166	100.5
256QAM	633334	3500.01	97.004	100.4

Spectrum Plot of Worst Value

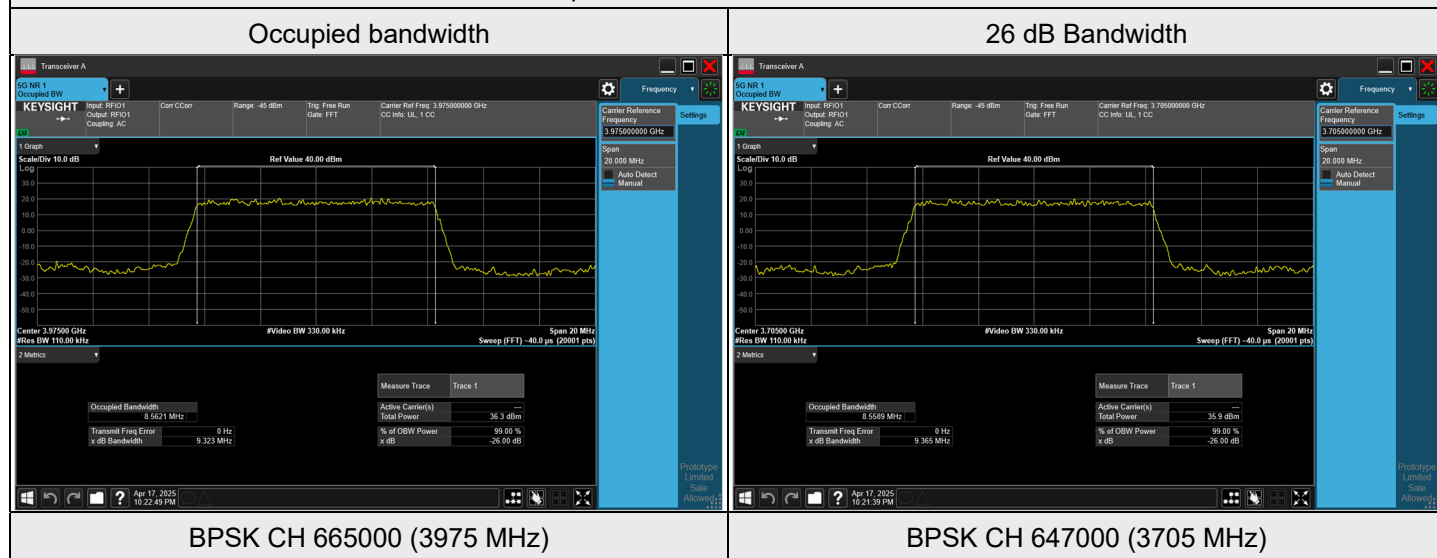


7.4.6 NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz)

NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz), Ant 2_PC2, Channel Bandwidth: 10 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	647000	3705	8.5589	9.365
BPSK	656000	3840	8.5567	9.253
BPSK	665000	3975	8.5621	9.323

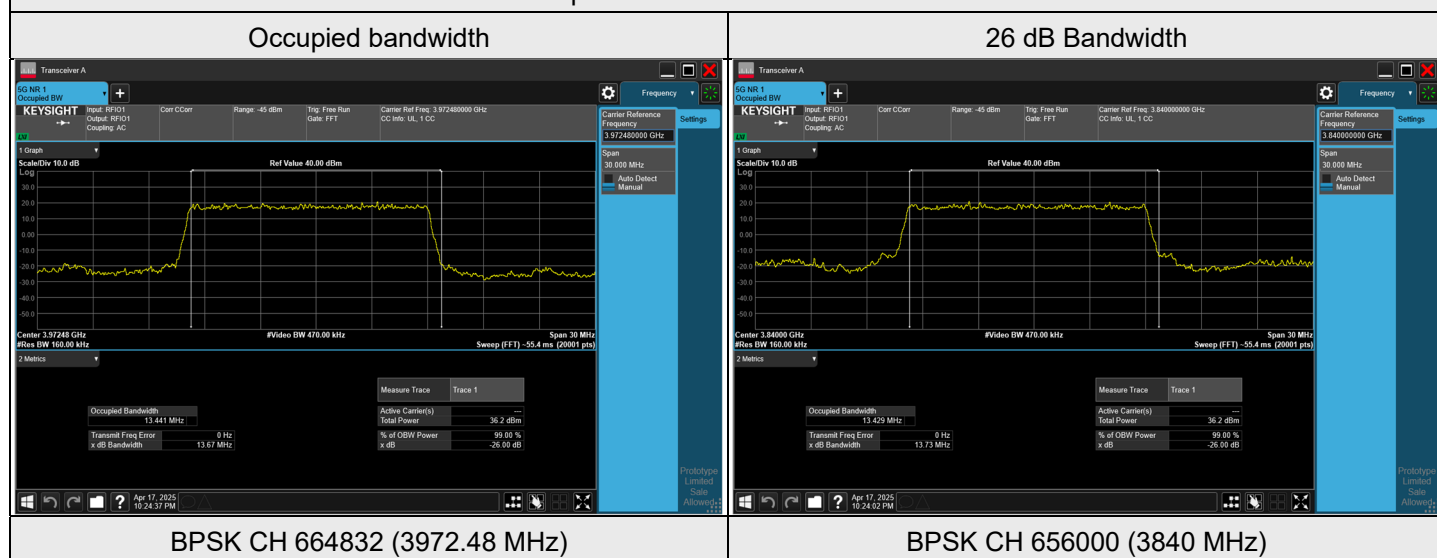
Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz), Ant 2_PC2, Channel Bandwidth: 15 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	647168	3707.52	13.432	13.67
BPSK	656000	3840	13.429	13.73
BPSK	664832	3972.48	13.441	13.67

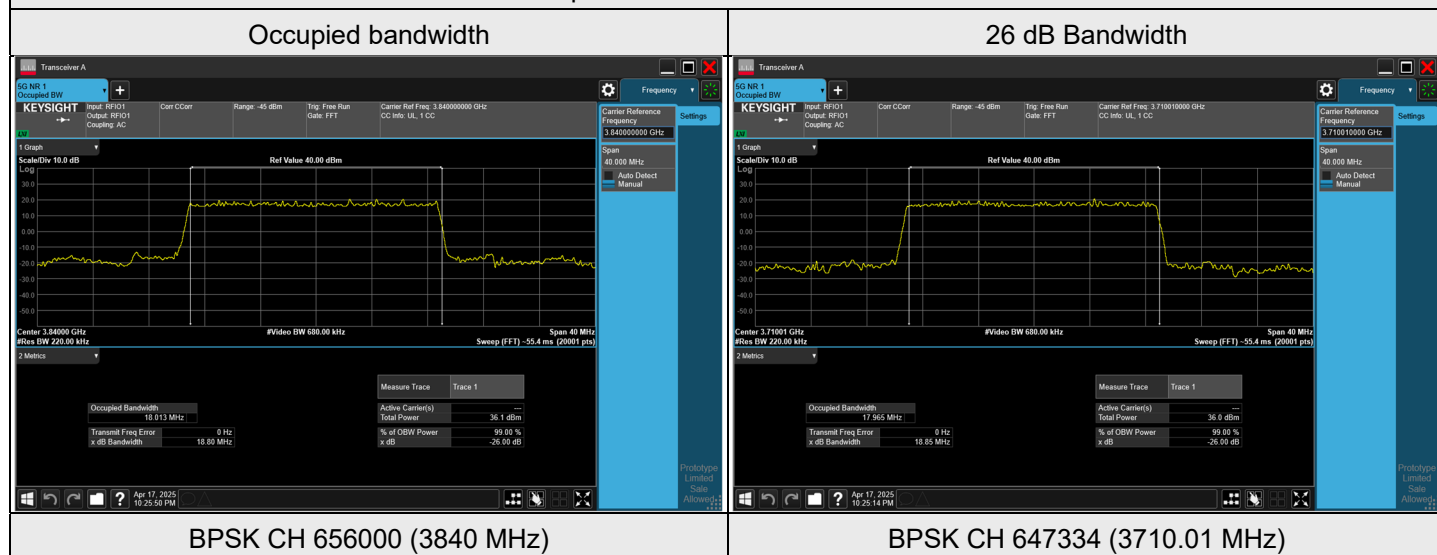
Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz), Ant 2_PC2, Channel Bandwidth: 20 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	647334	3710.01	17.965	18.85
BPSK	656000	3840	18.013	18.80
BPSK	664666	3969.99	17.982	18.82

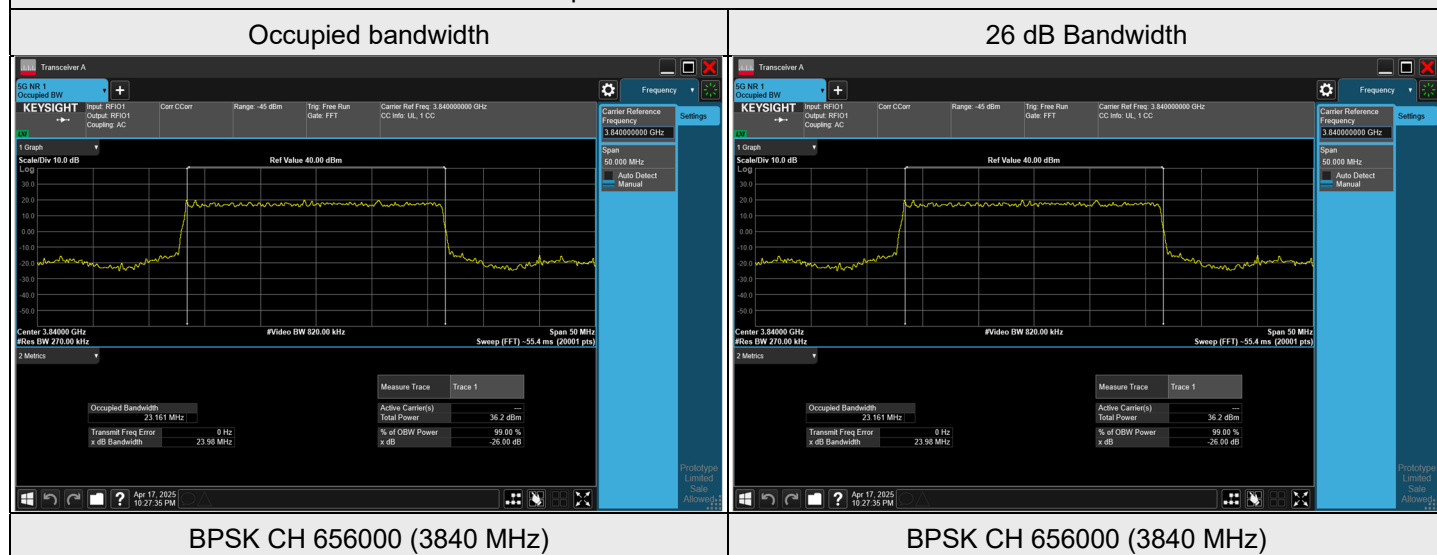
Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz), Ant 2_PC2, Channel Bandwidth: 25 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	647500	3712.5	23.071	23.95
BPSK	656000	3840	23.161	23.98
BPSK	664500	3967.5	22.966	23.96

Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz), Ant 2_PC2, Channel Bandwidth: 30 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	647668	3715.02	27.690	28.20
BPSK	656000	3840	27.673	28.25
BPSK	664332	3964.98	27.763	28.21

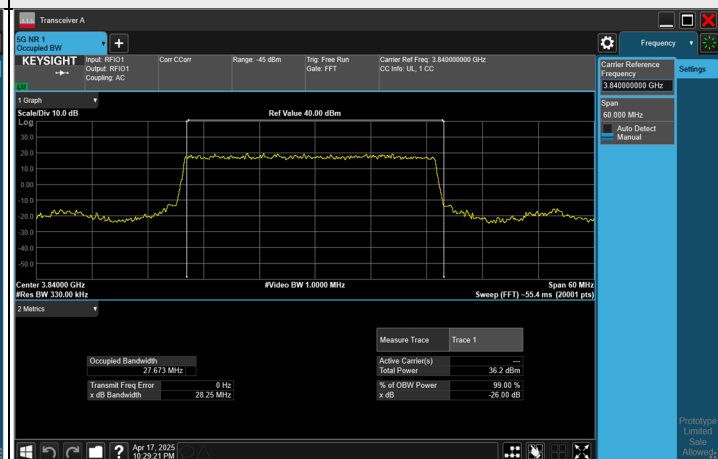
Spectrum Plot of Worst Value

Occupied bandwidth



BPSK CH 664332 (3964.98 MHz)

26 dB Bandwidth

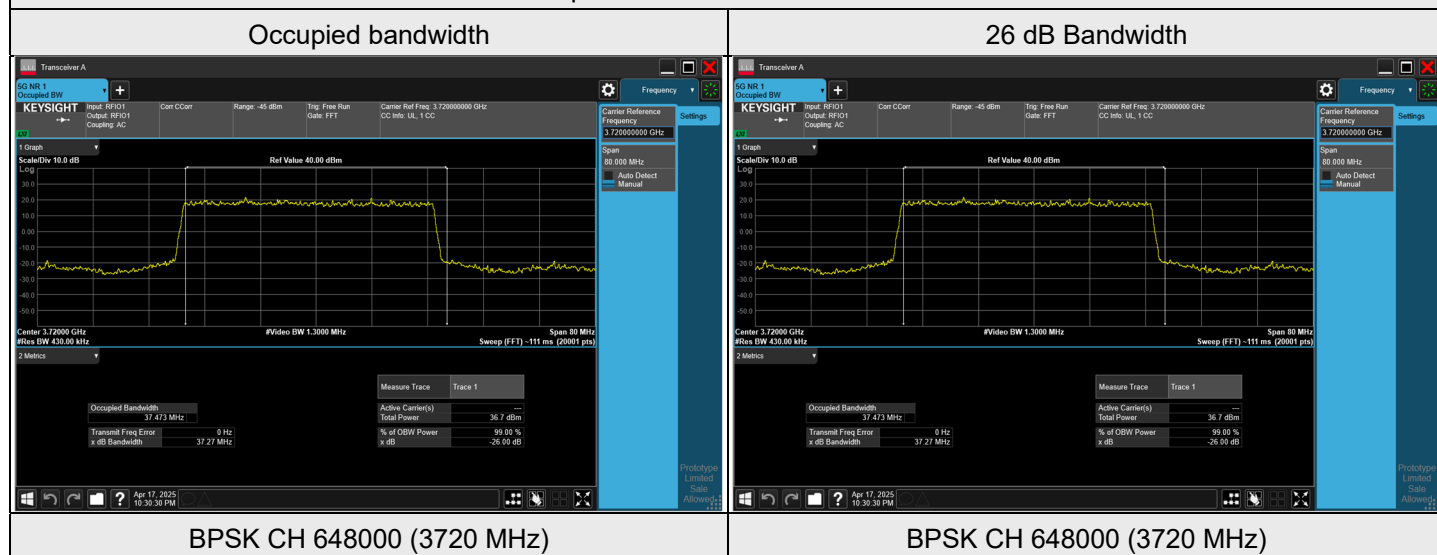


BPSK CH 656000 (3840 MHz)

NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz), Ant 2_PC2, Channel Bandwidth: 40 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	648000	3720	37.473	37.27
BPSK	656000	3840	37.290	37.09
BPSK	664000	3960	37.322	37.20

Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz), Ant 2_PC2, Channel Bandwidth: 50 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	648334	3725.01	46.900	47.47
BPSK	656000	3840	46.781	47.41
BPSK	663666	3954.99	46.773	47.54

Spectrum Plot of Worst Value

Occupied bandwidth



BPSK CH 648334 (3725.01 MHz)

26 dB Bandwidth

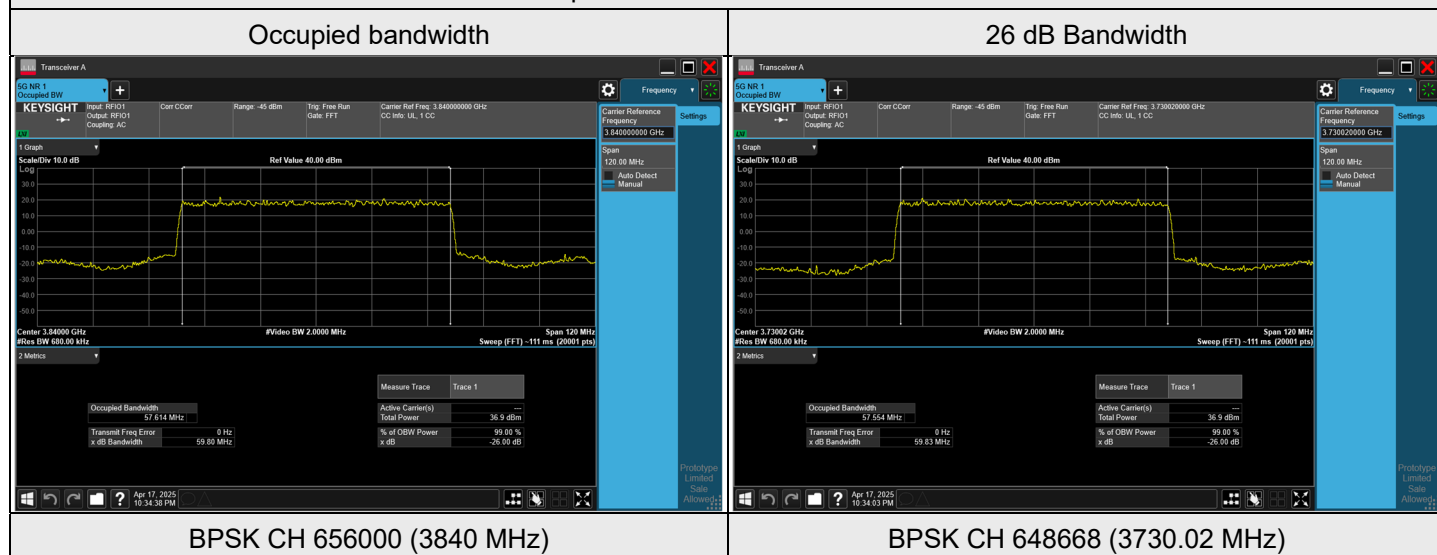


BPSK CH 663666 (3954.99 MHz)

NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz), Ant 2_PC2, Channel Bandwidth: 60 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	648668	3730.02	57.554	59.83
BPSK	656000	3840	57.614	59.80
BPSK	663332	3949.98	57.606	59.83

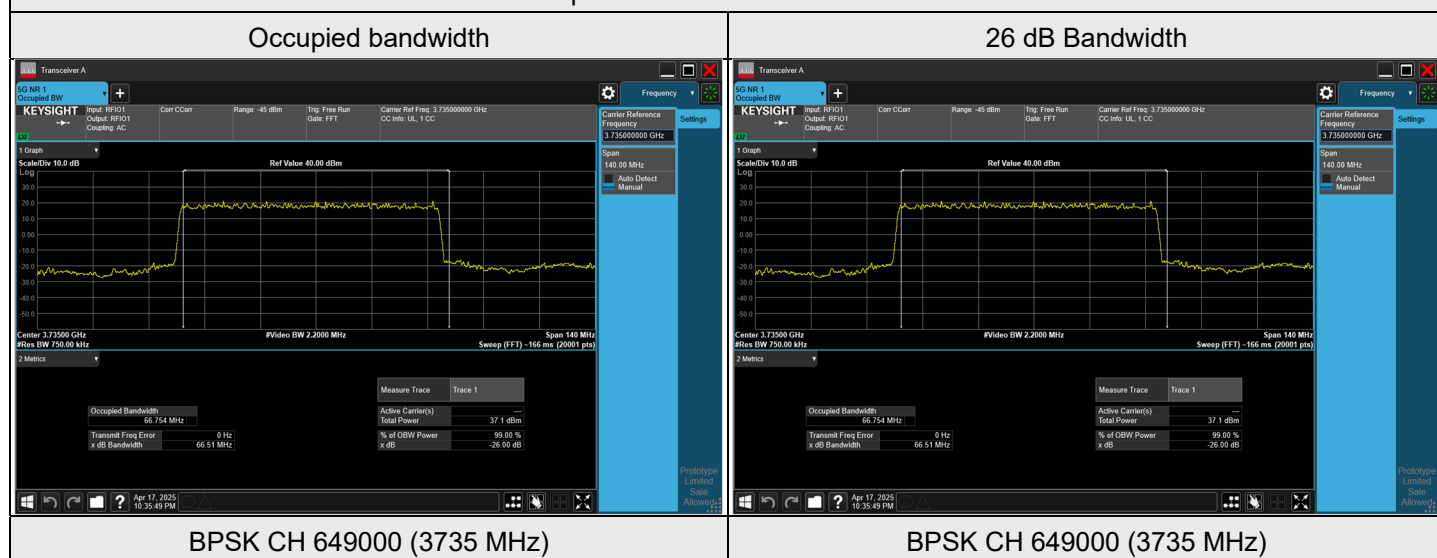
Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz), Ant 2_PC2, Channel Bandwidth: 70 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	649000	3735	66.754	66.51
BPSK	656000	3840	66.337	66.34
BPSK	663000	3945	66.475	66.31

Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz), Ant 2_PC2, Channel Bandwidth: 80 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	649334	3740.01	76.888	79.58
BPSK	656000	3840	76.899	79.57
BPSK	662666	3939.99	76.977	79.64

Spectrum Plot of Worst Value

Occupied bandwidth



BPSK CH 662666 (3939.99 MHz)

26 dB Bandwidth



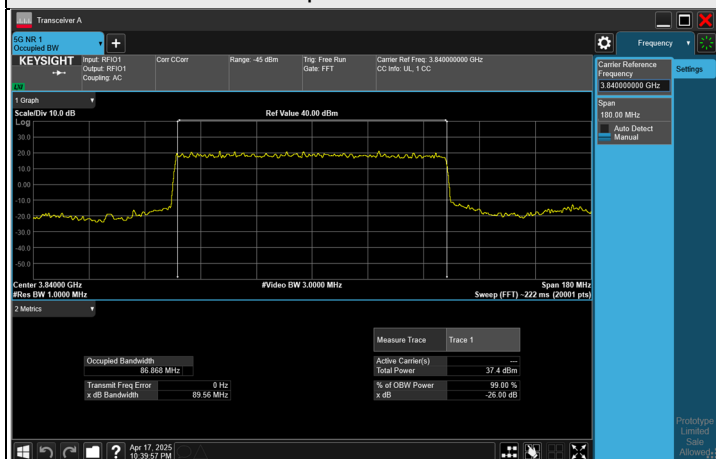
BPSK CH 662666 (3939.99 MHz)

NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz), Ant 2_PC2, Channel Bandwidth: 90 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	649668	3745.02	86.494	89.54
BPSK	656000	3840	86.868	89.56
BPSK	662332	3934.98	86.586	89.45

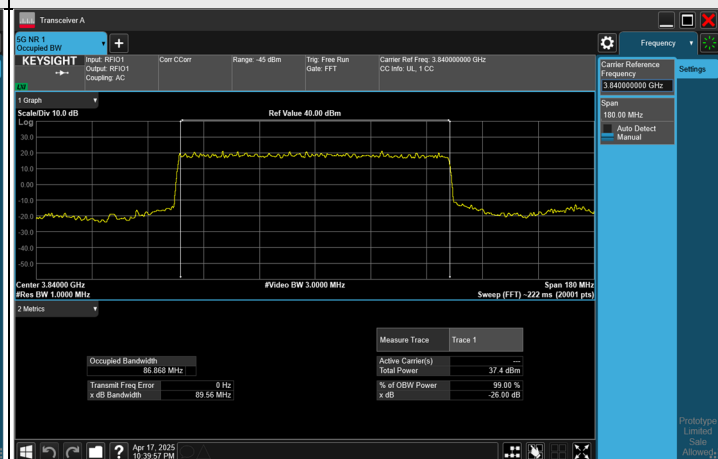
Spectrum Plot of Worst Value

Occupied bandwidth



BPSK CH 656000 (3840 MHz)

26 dB Bandwidth

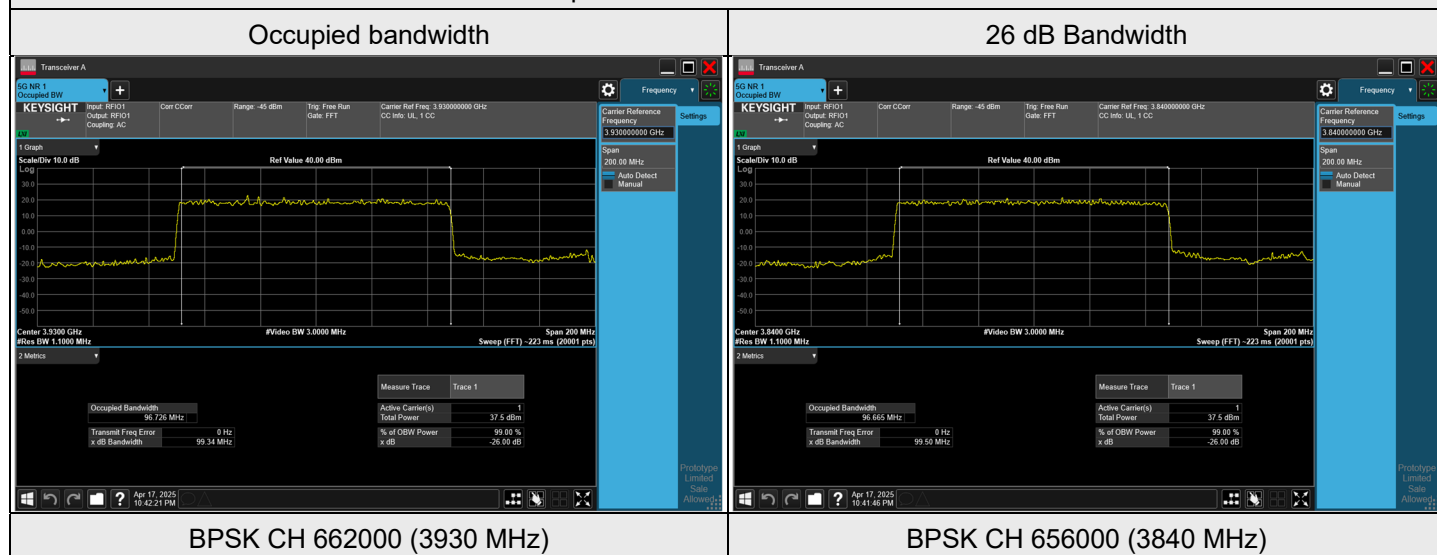


BPSK CH 656000 (3840 MHz)

NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz), Ant 2_PC2, Channel Bandwidth: 100 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	650000	3750	96.262	99.43
BPSK	656000	3840	96.665	99.50
BPSK	662000	3930	96.726	99.34

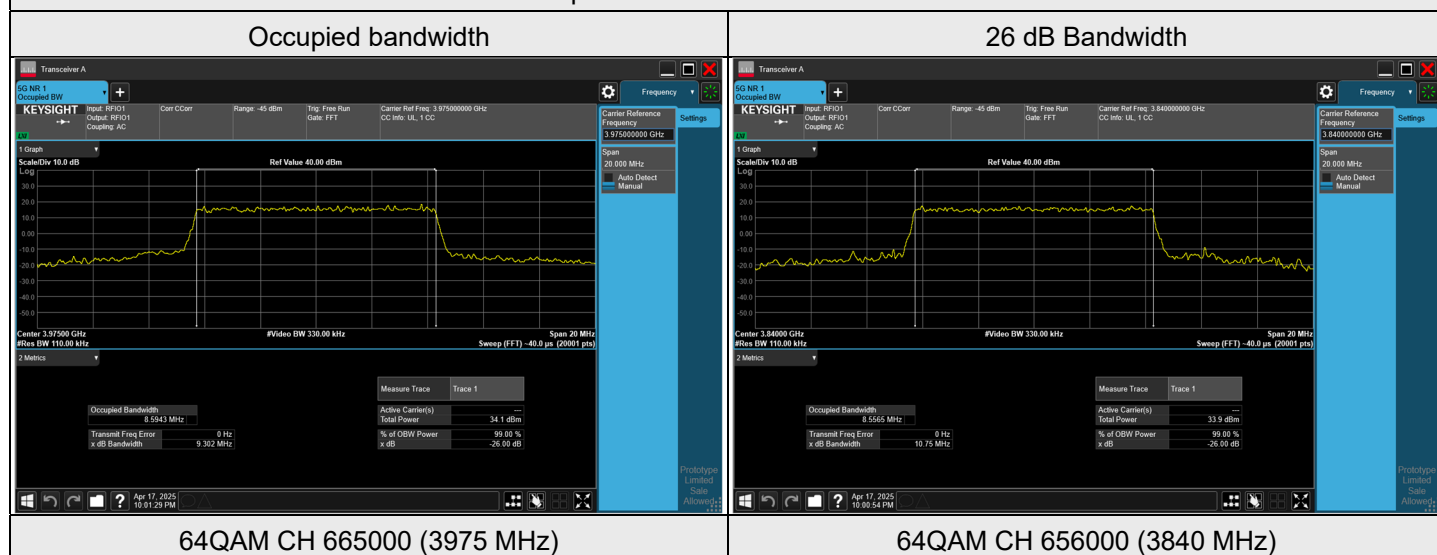
Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz), MIMO-Ant 1, Channel Bandwidth: 10 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	647000	3705	8.5589	9.253
QPSK	656000	3840	8.5768	9.205
QPSK	665000	3975	8.5781	9.279
16QAM	647000	3705	8.5484	9.215
16QAM	656000	3840	8.5808	9.318
16QAM	665000	3975	8.5565	9.250
64QAM	647000	3705	8.5686	9.243
64QAM	656000	3840	8.5565	10.75
64QAM	665000	3975	8.5943	9.302
256QAM	647000	3705	8.5488	9.240
256QAM	656000	3840	8.5665	9.313
256QAM	665000	3975	8.5688	9.306

Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz), MIMO-Ant 1, Channel Bandwidth: 15 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	647168	3707.52	13.537	14.30
QPSK	656000	3840	13.560	14.43
QPSK	664832	3972.48	13.575	14.40
16QAM	647168	3707.52	13.558	14.36
16QAM	656000	3840	13.597	14.64
16QAM	664832	3972.48	13.558	14.31
64QAM	647168	3707.52	13.546	14.38
64QAM	656000	3840	13.620	14.42
64QAM	664832	3972.48	13.551	14.36
256QAM	647168	3707.52	13.534	14.39
256QAM	656000	3840	13.570	14.37
256QAM	664832	3972.48	13.533	14.37

Spectrum Plot of Worst Value

