

NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz), Ant 2_PC2, Channel Bandwidth: 90 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	633000	3495	86.370	89.59
BPSK	633334	3500.01	86.457	89.40
BPSK	633666	3504.99	86.418	89.28

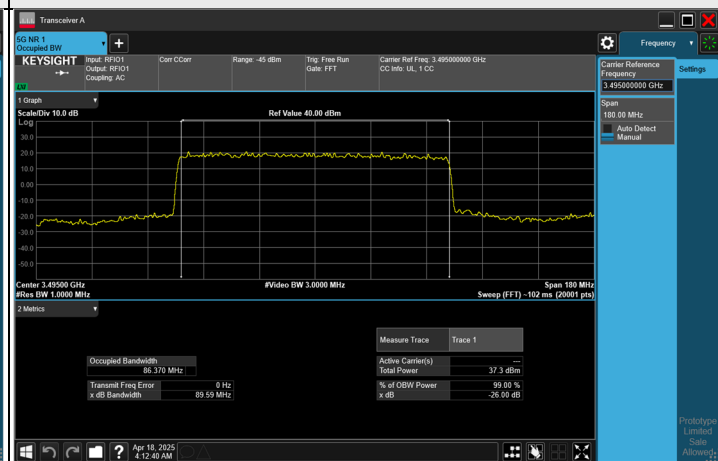
Spectrum Plot of Worst Value

Occupied bandwidth



BPSK CH 633334 (3500.01 MHz)

26 dB Bandwidth

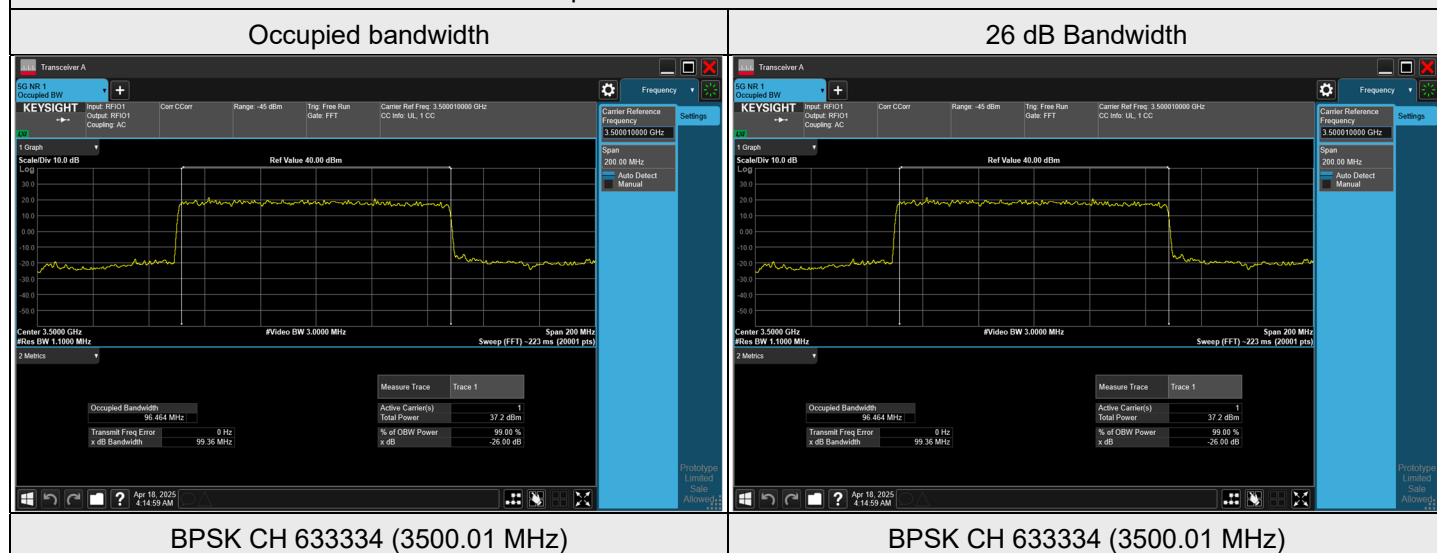


BPSK CH 633000 (3495 MHz)

NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz), Ant 2_PC2, Channel Bandwidth: 100 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	633334	3500.01	96.464	99.36

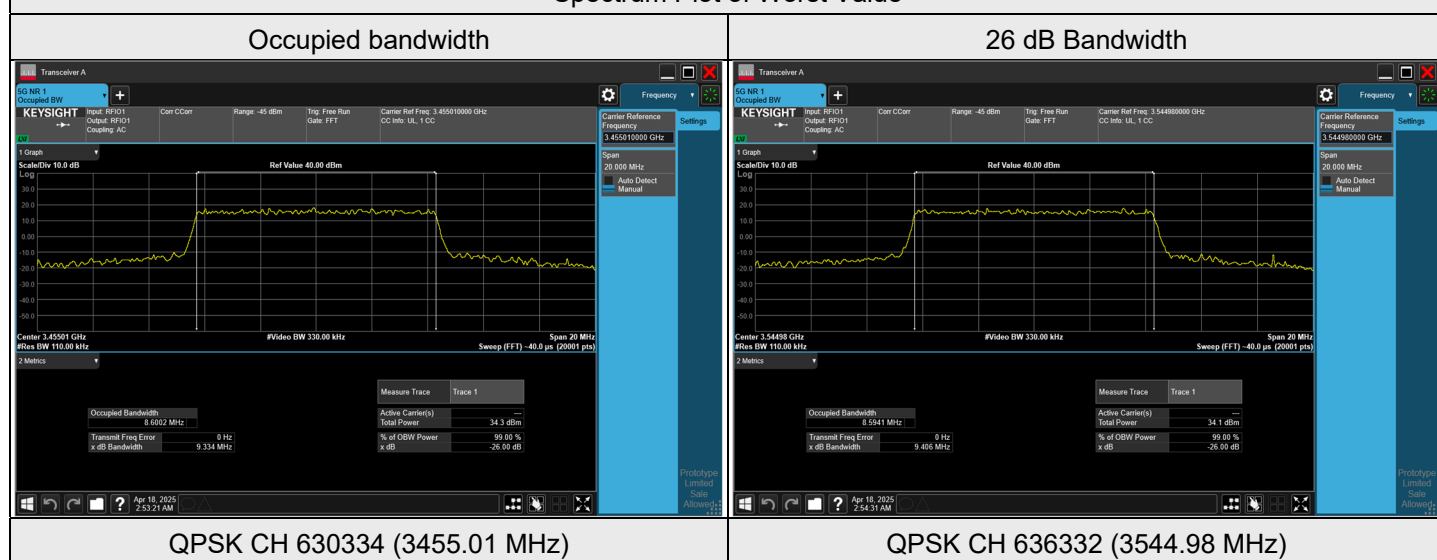
Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz), MIMO-Ant 1, Channel Bandwidth: 10 MHz

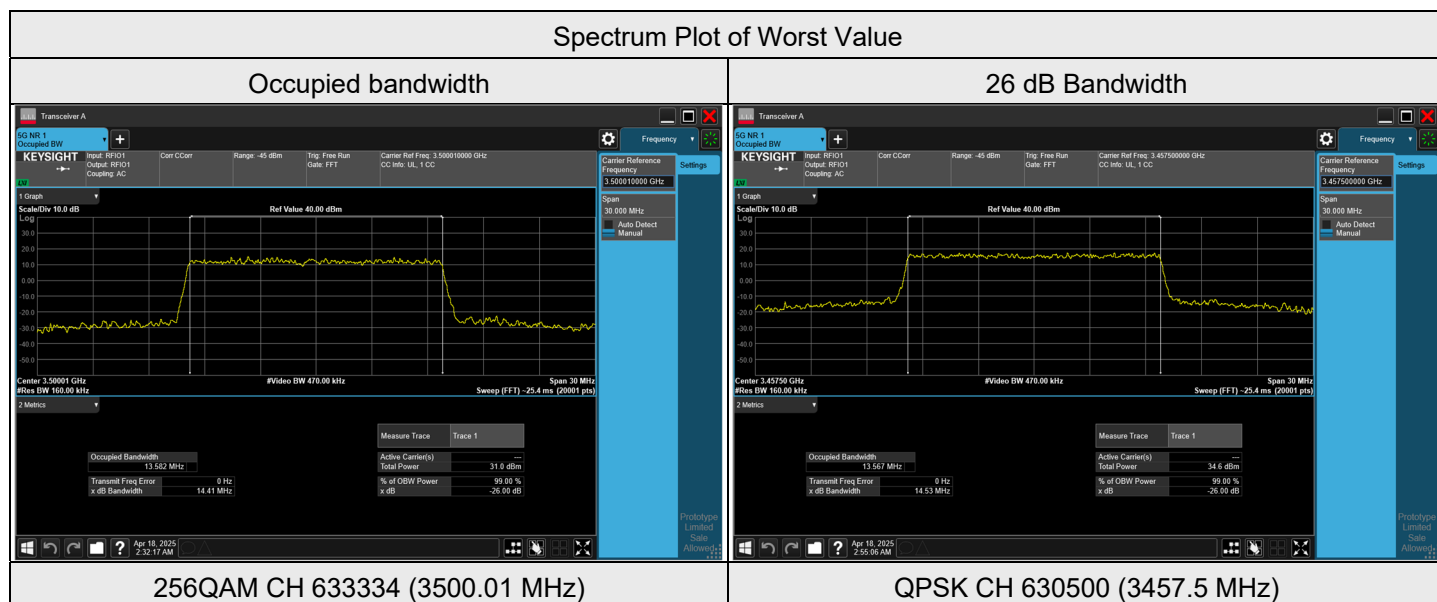
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	630334	3455.01	8.6002	9.334
QPSK	633334	3500.01	8.5982	9.290
QPSK	636332	3544.98	8.5941	9.406
16QAM	630334	3455.01	8.5487	9.266
16QAM	633334	3500.01	8.5810	9.296
16QAM	636332	3544.98	8.5504	9.094
64QAM	630334	3455.01	8.5548	9.186
64QAM	633334	3500.01	8.5623	9.268
64QAM	636332	3544.98	8.5761	9.163
256QAM	630334	3455.01	8.5529	9.289
256QAM	633334	3500.01	8.5709	9.224
256QAM	636332	3544.98	8.5469	9.274

Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz), MIMO-Ant 1, Channel Bandwidth: 15 MHz

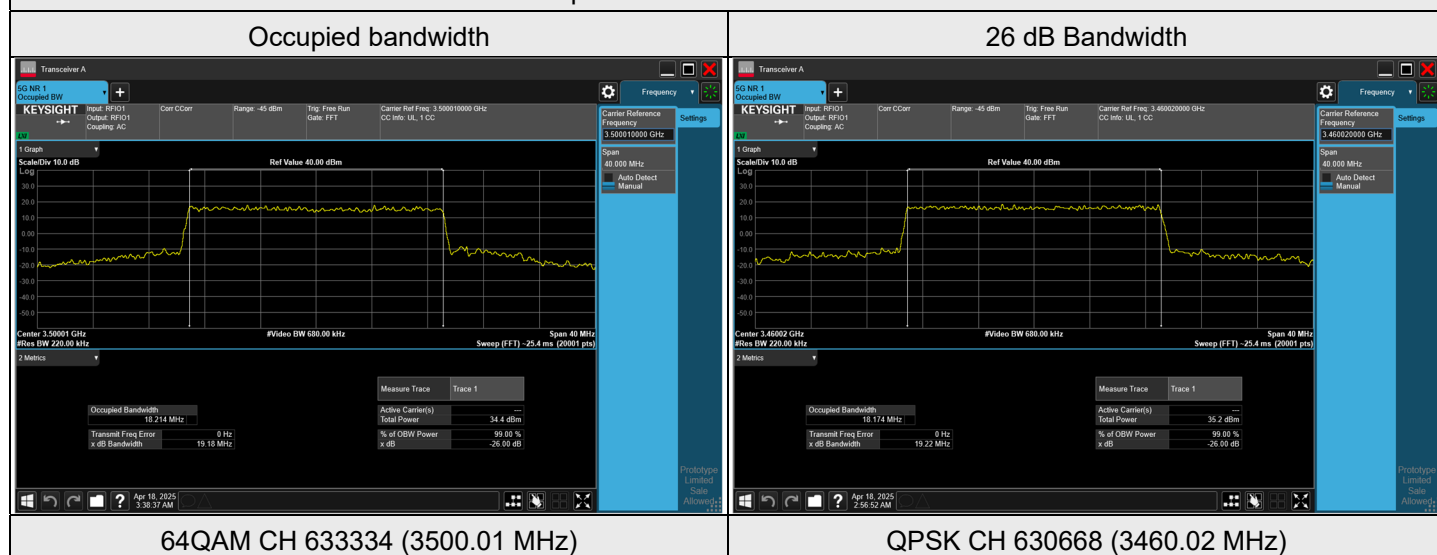
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	630500	3457.5	13.567	14.53
QPSK	633334	3500.01	13.557	14.33
QPSK	636166	3542.49	13.564	14.44
16QAM	630500	3457.5	13.564	14.29
16QAM	633334	3500.01	13.575	14.24
16QAM	636166	3542.49	13.566	14.32
64QAM	630500	3457.5	13.546	14.36
64QAM	633334	3500.01	13.573	14.42
64QAM	636166	3542.49	13.578	14.49
256QAM	630500	3457.5	13.545	14.45
256QAM	633334	3500.01	13.582	14.41
256QAM	636166	3542.49	13.540	14.30



NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz), MIMO-Ant 1, Channel Bandwidth: 20 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	630668	3460.02	18.174	19.22
QPSK	633334	3500.01	18.168	19.19
QPSK	636000	3540	18.157	19.19
16QAM	630668	3460.02	18.161	19.17
16QAM	633334	3500.01	18.186	19.19
16QAM	636000	3540	18.201	19.20
64QAM	630668	3460.02	18.193	19.11
64QAM	633334	3500.01	18.214	19.18
64QAM	636000	3540	18.198	19.13
256QAM	630668	3460.02	18.177	19.07
256QAM	633334	3500.01	18.161	19.08
256QAM	636000	3540	18.190	19.18

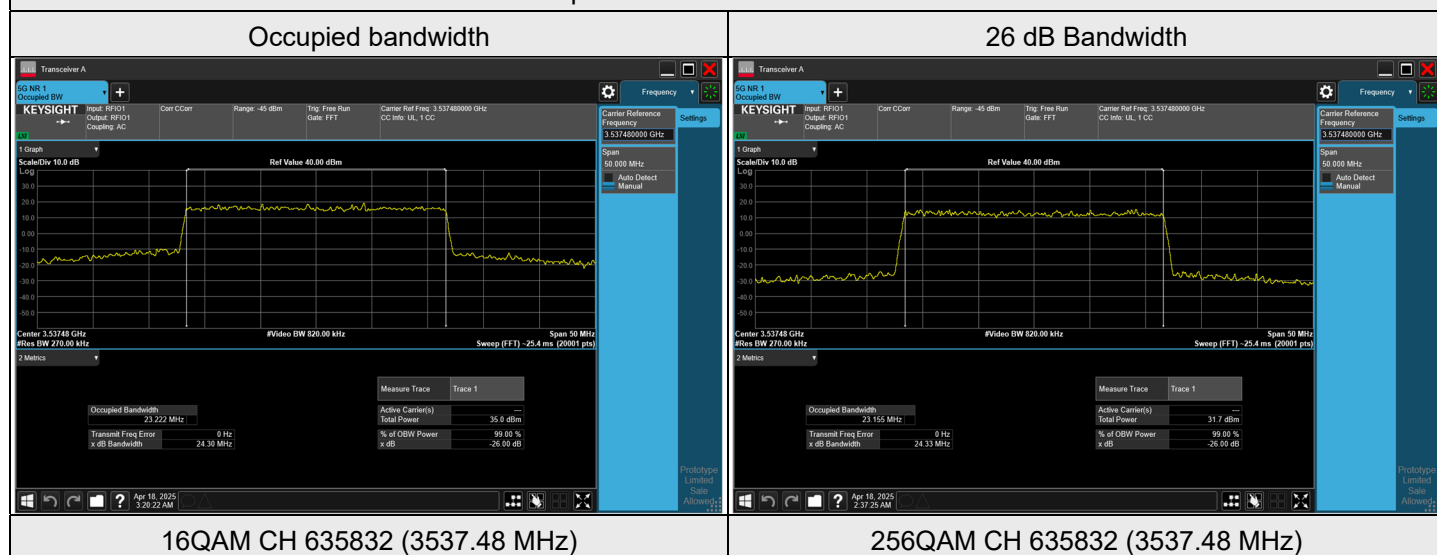
Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz), MIMO-Ant 1, Channel Bandwidth: 25 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	630834	3462.51	23.172	24.28
QPSK	633334	3500.01	23.156	24.20
QPSK	635832	3537.48	23.166	24.25
16QAM	630834	3462.51	23.147	24.26
16QAM	633334	3500.01	23.176	24.28
16QAM	635832	3537.48	23.222	24.30
64QAM	630834	3462.51	23.121	24.17
64QAM	633334	3500.01	23.122	24.13
64QAM	635832	3537.48	23.135	24.19
256QAM	630834	3462.51	23.127	24.31
256QAM	633334	3500.01	23.126	24.25
256QAM	635832	3537.48	23.155	24.33

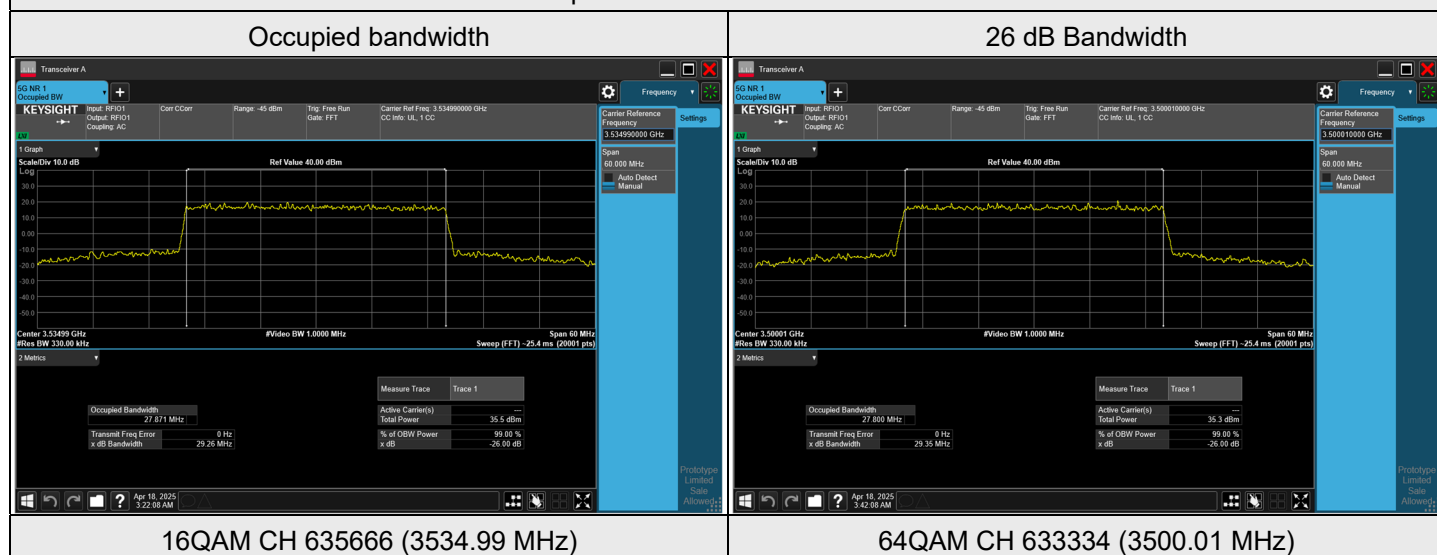
Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz), MIMO-Ant 1, Channel Bandwidth: 30 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	631000	3465	27.829	29.15
QPSK	633334	3500.01	27.834	29.26
QPSK	635666	3534.99	27.853	29.33
16QAM	631000	3465	27.855	29.19
16QAM	633334	3500.01	27.804	29.22
16QAM	635666	3534.99	27.871	29.26
64QAM	631000	3465	27.799	29.34
64QAM	633334	3500.01	27.800	29.35
64QAM	635666	3534.99	27.793	29.22
256QAM	631000	3465	27.744	29.18
256QAM	633334	3500.01	27.759	29.20
256QAM	635666	3534.99	27.763	29.19

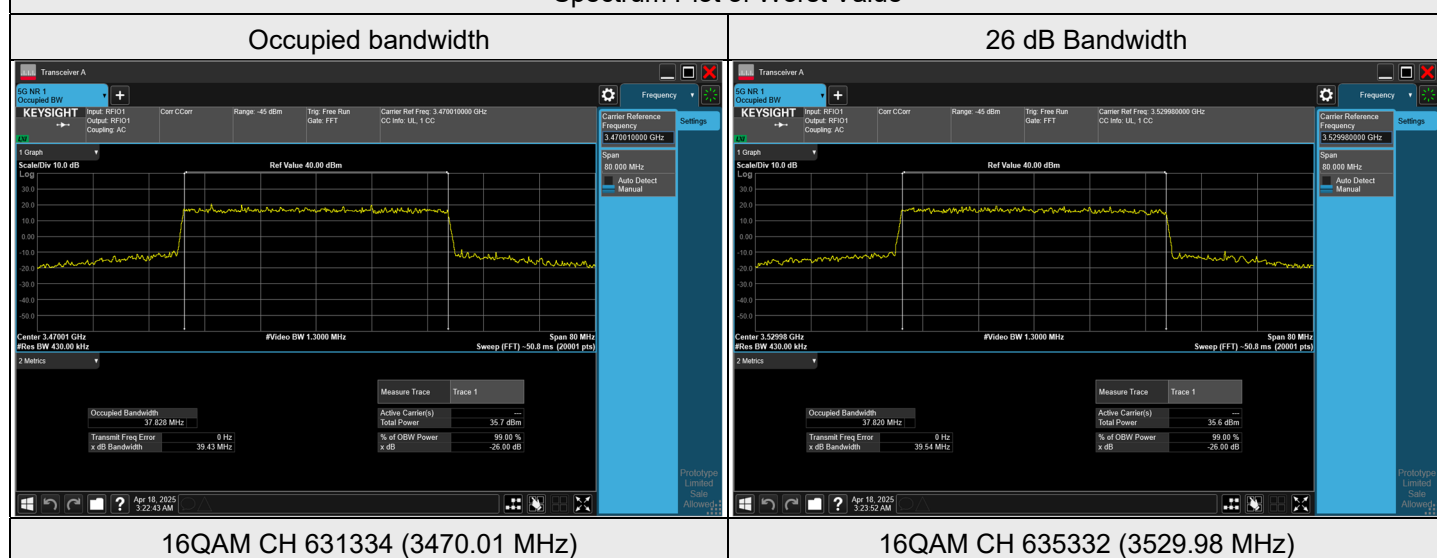
Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz), MIMO-Ant 1, Channel Bandwidth: 40 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	631334	3470.01	37.746	39.32
QPSK	633334	3500.01	37.777	39.53
QPSK	635332	3529.98	37.747	39.49
16QAM	631334	3470.01	37.828	39.43
16QAM	633334	3500.01	37.802	39.45
16QAM	635332	3529.98	37.820	39.54
64QAM	631334	3470.01	37.769	39.32
64QAM	633334	3500.01	37.772	39.42
64QAM	635332	3529.98	37.764	39.32
256QAM	631334	3470.01	37.744	39.37
256QAM	633334	3500.01	37.770	39.43
256QAM	635332	3529.98	37.754	39.42

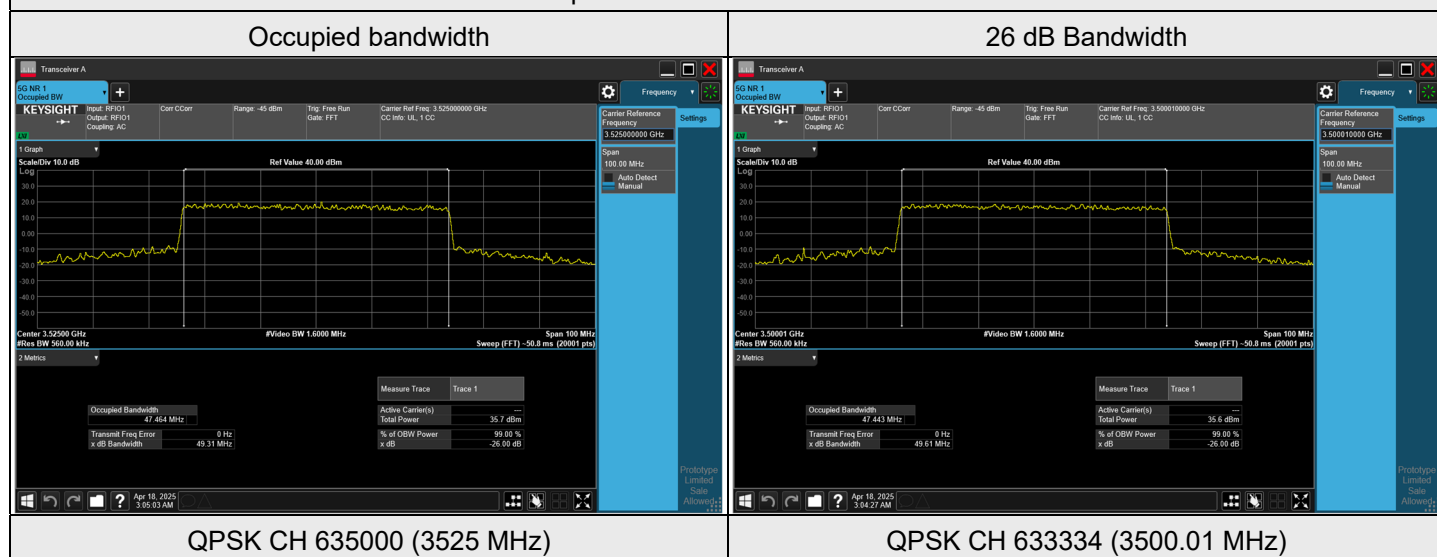
Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz), MIMO-Ant 1, Channel Bandwidth: 50 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	631668	3475.02	47.433	49.27
QPSK	633334	3500.01	47.443	49.61
QPSK	635000	3525	47.464	49.31
16QAM	631668	3475.02	47.391	49.36
16QAM	633334	3500.01	47.382	49.25
16QAM	635000	3525	47.443	49.36
64QAM	631668	3475.02	47.432	49.30
64QAM	633334	3500.01	47.413	49.32
64QAM	635000	3525	47.404	49.43
256QAM	631668	3475.02	47.284	49.22
256QAM	633334	3500.01	47.343	49.40
256QAM	635000	3525	47.354	49.48

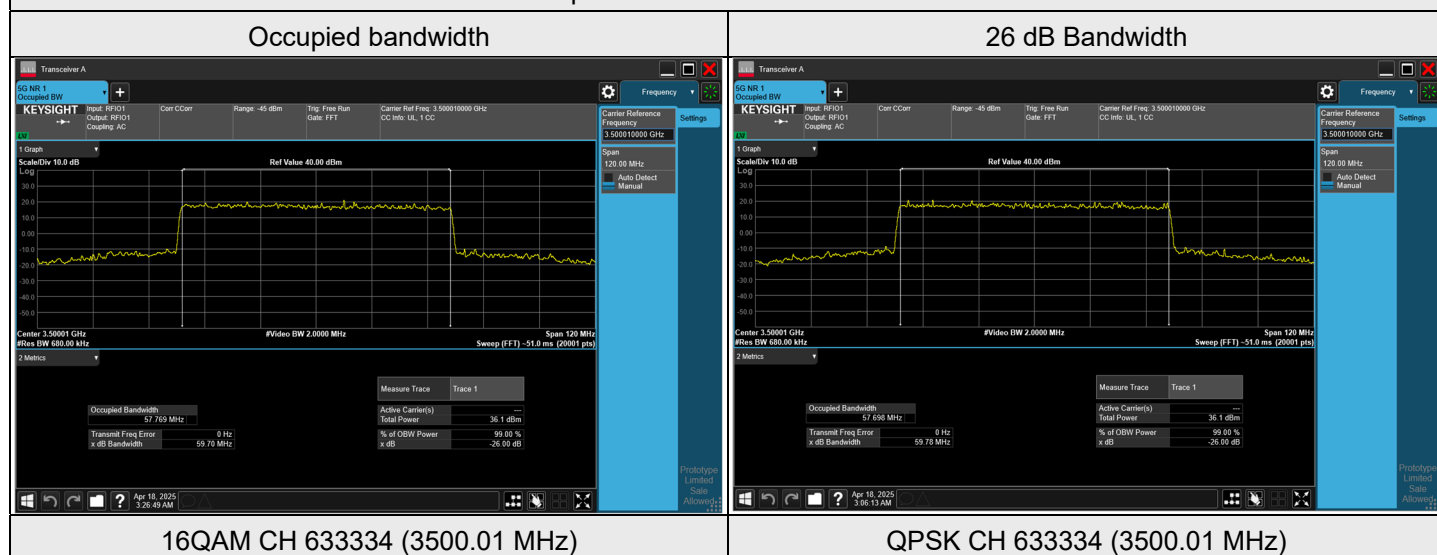
Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz), MIMO-Ant 1, Channel Bandwidth: 60 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	632000	3480	57.662	59.74
QPSK	633334	3500.01	57.698	59.78
QPSK	634666	3519.99	57.674	59.74
16QAM	632000	3480	57.723	59.73
16QAM	633334	3500.01	57.769	59.70
16QAM	634666	3519.99	57.687	59.60
64QAM	632000	3480	57.545	59.75
64QAM	633334	3500.01	57.544	59.67
64QAM	634666	3519.99	57.565	59.69
256QAM	632000	3480	57.531	59.58
256QAM	633334	3500.01	57.629	59.70
256QAM	634666	3519.99	57.579	59.65

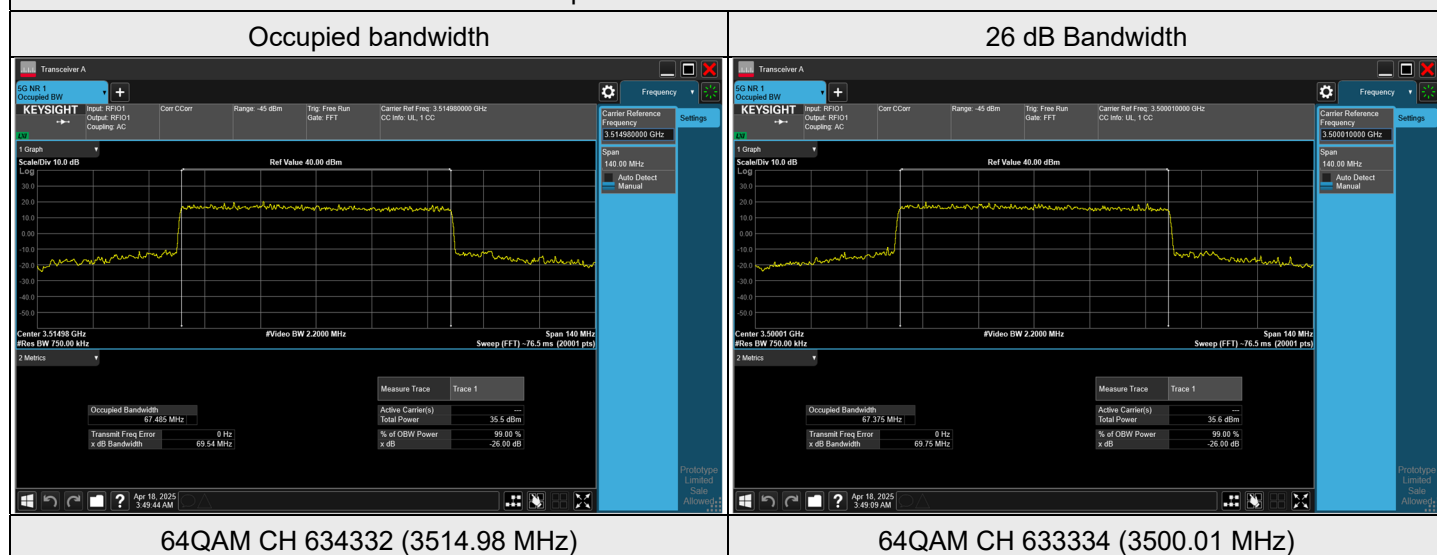
Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz), MIMO-Ant 1, Channel Bandwidth: 70 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	632334	3485.01	67.287	69.60
QPSK	633334	3500.01	67.290	69.63
QPSK	634332	3514.98	67.315	69.55
16QAM	632334	3485.01	67.270	69.59
16QAM	633334	3500.01	67.275	69.68
16QAM	634332	3514.98	67.298	69.72
64QAM	632334	3485.01	67.374	69.68
64QAM	633334	3500.01	67.375	69.75
64QAM	634332	3514.98	67.485	69.54
256QAM	632334	3485.01	67.214	69.59
256QAM	633334	3500.01	67.200	69.52
256QAM	634332	3514.98	67.372	69.61

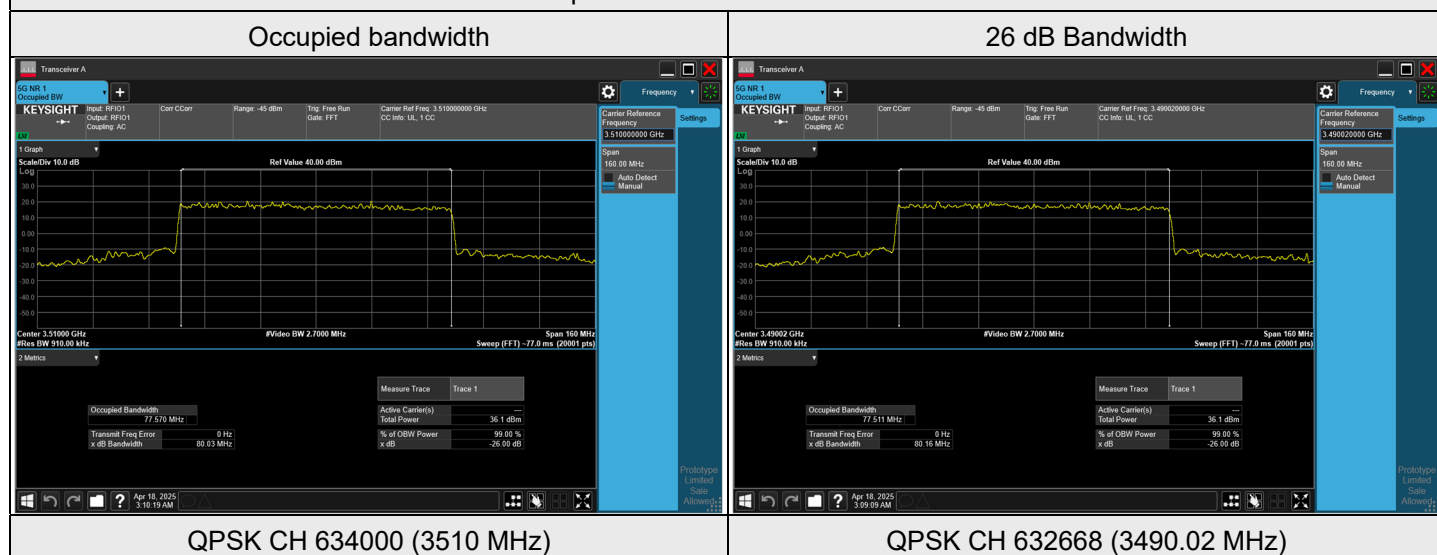
Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz), MIMO-Ant 1, Channel Bandwidth: 80 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	632668	3490.02	77.511	80.16
QPSK	633334	3500.01	77.334	80.12
QPSK	634000	3510	77.570	80.03
16QAM	632668	3490.02	77.297	80.07
16QAM	633334	3500.01	77.235	79.97
16QAM	634000	3510	77.288	80.10
64QAM	632668	3490.02	77.334	80.06
64QAM	633334	3500.01	77.094	79.87
64QAM	634000	3510	77.190	80.03
256QAM	632668	3490.02	77.142	80.03
256QAM	633334	3500.01	77.221	79.96
256QAM	634000	3510	77.014	79.95

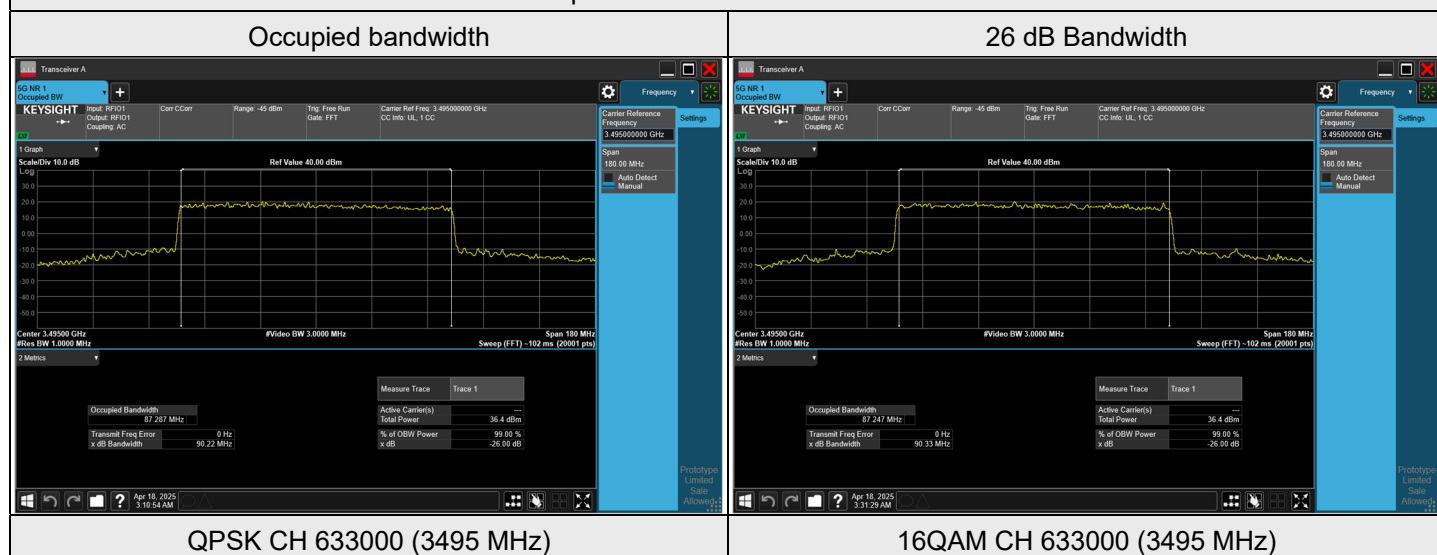
Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz), MIMO-Ant 1, Channel Bandwidth: 90 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	633000	3495	87.287	90.22
QPSK	633334	3500.01	87.214	90.32
QPSK	633666	3504.99	87.267	90.27
16QAM	633000	3495	87.247	90.33
16QAM	633334	3500.01	87.019	90.08
16QAM	633666	3504.99	87.049	90.33
64QAM	633000	3495	87.140	90.16
64QAM	633334	3500.01	87.106	90.25
64QAM	633666	3504.99	87.247	90.22
256QAM	633000	3495	87.196	90.23
256QAM	633334	3500.01	87.054	90.17
256QAM	633666	3504.99	87.140	90.25

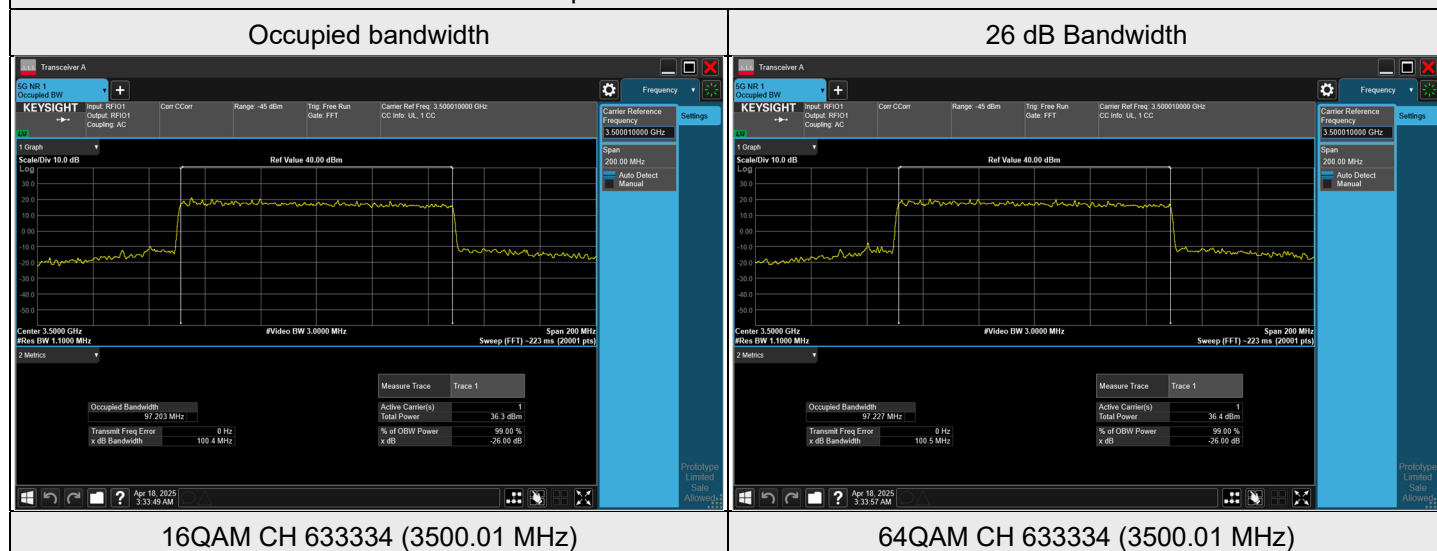
Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz), MIMO-Ant 1, Channel Bandwidth: 100 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	633334	3500.01	96.464	99.36
QPSK	633334	3500.01	97.123	100.4
16QAM	633334	3500.01	97.203	100.4
64QAM	633334	3500.01	97.088	100.5
256QAM	633334	3500.01	97.145	100.4

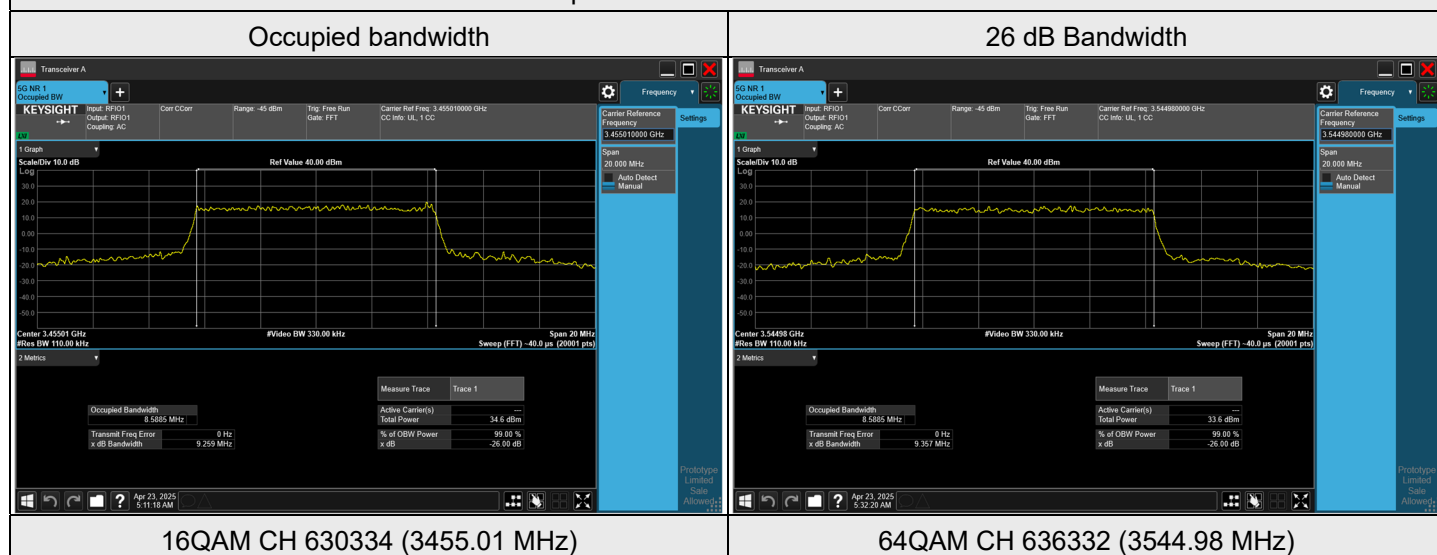
Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz), MIMO-Ant 2, Channel Bandwidth: 10 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	630334	3455.01	8.5650	9.298
QPSK	633334	3500.01	8.5650	9.249
QPSK	636332	3544.98	8.5486	9.327
16QAM	630334	3455.01	8.5885	9.259
16QAM	633334	3500.01	8.5842	9.200
16QAM	636332	3544.98	8.5862	9.294
64QAM	630334	3455.01	8.5686	9.193
64QAM	633334	3500.01	8.5761	9.250
64QAM	636332	3544.98	8.5885	9.357
256QAM	630334	3455.01	8.5405	9.247
256QAM	633334	3500.01	8.5562	9.252
256QAM	636332	3544.98	8.5589	9.191

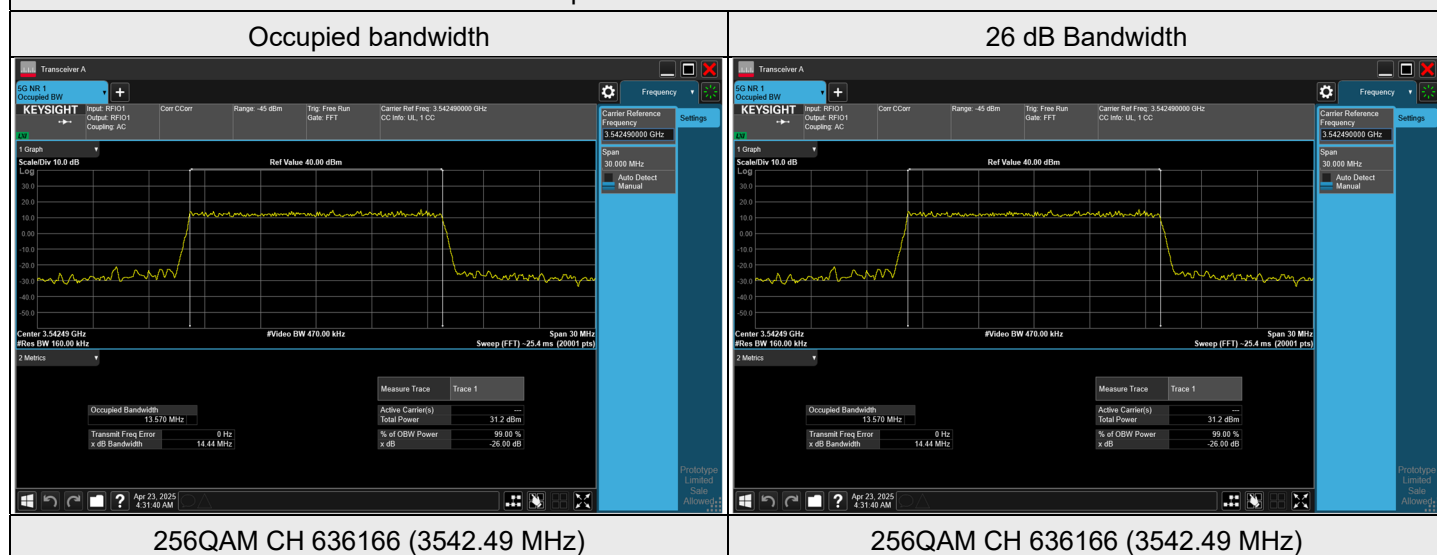
Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz), MIMO-Ant 2, Channel Bandwidth: 15 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	630500	3457.5	13.527	14.33
QPSK	633334	3500.01	13.546	14.31
QPSK	636166	3542.49	13.534	14.28
16QAM	630500	3457.5	13.512	14.27
16QAM	633334	3500.01	13.522	14.34
16QAM	636166	3542.49	13.507	14.31
64QAM	630500	3457.5	13.540	14.34
64QAM	633334	3500.01	13.554	14.32
64QAM	636166	3542.49	13.554	14.27
256QAM	630500	3457.5	13.534	14.42
256QAM	633334	3500.01	13.528	14.37
256QAM	636166	3542.49	13.570	14.44

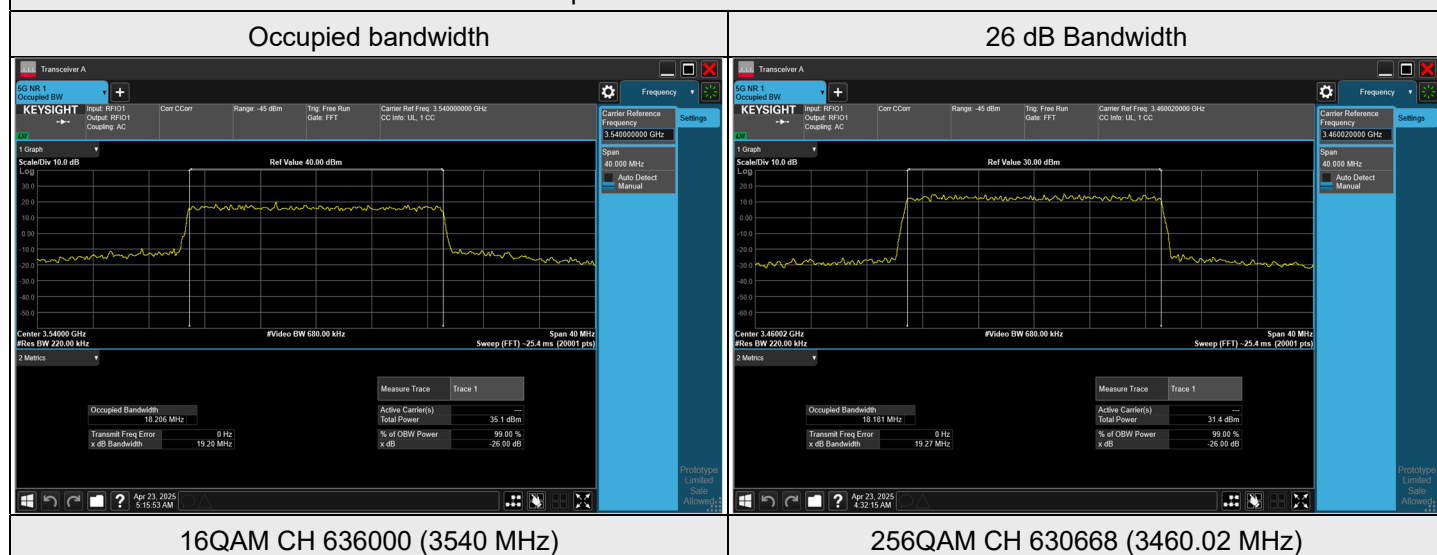
Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz), MIMO-Ant 2, Channel Bandwidth: 20 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	630668	3460.02	18.190	19.07
QPSK	633334	3500.01	18.205	19.00
QPSK	636000	3540	18.192	19.11
16QAM	630668	3460.02	18.198	19.04
16QAM	633334	3500.01	18.193	19.09
16QAM	636000	3540	18.206	19.20
64QAM	630668	3460.02	18.137	19.13
64QAM	633334	3500.01	18.188	19.10
64QAM	636000	3540	18.134	19.08
256QAM	630668	3460.02	18.181	19.27
256QAM	633334	3500.01	18.189	19.04
256QAM	636000	3540	18.197	19.09

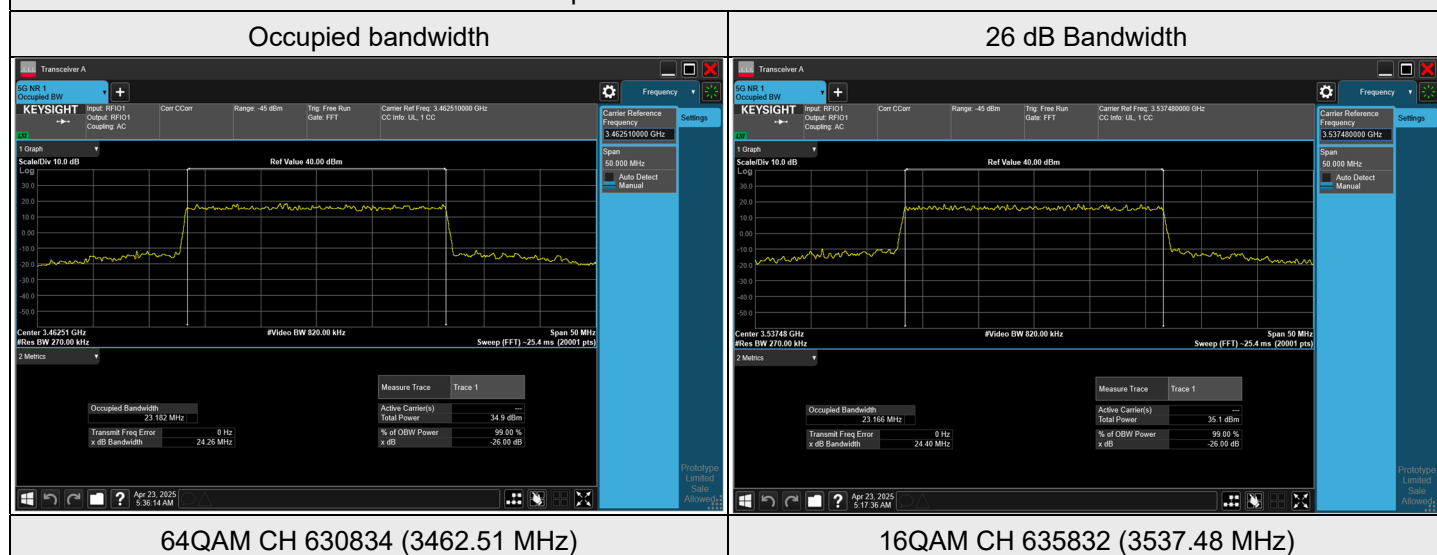
Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz), MIMO-Ant 2, Channel Bandwidth: 25 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	630834	3462.51	23.156	24.25
QPSK	633334	3500.01	23.136	24.25
QPSK	635832	3537.48	23.162	24.29
16QAM	630834	3462.51	23.176	24.33
16QAM	633334	3500.01	23.172	24.27
16QAM	635832	3537.48	23.166	24.40
64QAM	630834	3462.51	23.182	24.26
64QAM	633334	3500.01	23.171	24.31
64QAM	635832	3537.48	23.165	24.20
256QAM	630834	3462.51	23.071	24.06
256QAM	633334	3500.01	23.067	24.25
256QAM	635832	3537.48	23.076	24.19

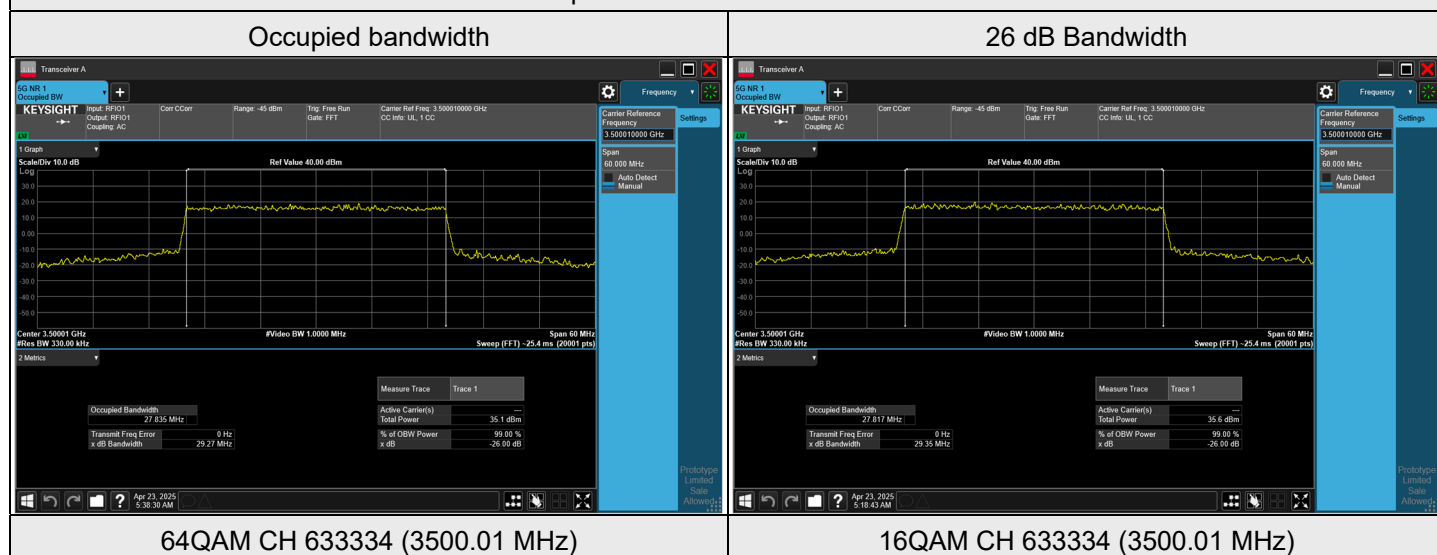
Spectrum Plot of Worst Value



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

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	631000	3465	27.811	29.20
QPSK	633334	3500.01	27.800	29.19
QPSK	635666	3534.99	27.800	29.31
16QAM	631000	3465	27.811	29.27
16QAM	633334	3500.01	27.817	29.35
16QAM	635666	3534.99	27.825	29.24
64QAM	631000	3465	27.759	29.25
64QAM	633334	3500.01	27.835	29.27
64QAM	635666	3534.99	27.812	29.12
256QAM	631000	3465	27.735	29.18
256QAM	633334	3500.01	27.715	29.12
256QAM	635666	3534.99	27.739	29.19

Spectrum Plot of Worst Value



NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz), MIMO-Ant 2, Channel Bandwidth: 40 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	631334	3470.01	37.738	39.42
QPSK	633334	3500.01	37.786	39.38
QPSK	635332	3529.98	37.745	39.41
16QAM	631334	3470.01	37.748	39.49
16QAM	633334	3500.01	37.796	39.51
16QAM	635332	3529.98	37.776	39.35
64QAM	631334	3470.01	37.738	39.55
64QAM	633334	3500.01	37.737	44.70
64QAM	635332	3529.98	37.738	39.21
256QAM	631334	3470.01	37.730	39.53
256QAM	633334	3500.01	37.688	39.68
256QAM	635332	3529.98	37.699	39.46

Spectrum Plot of Worst Value

