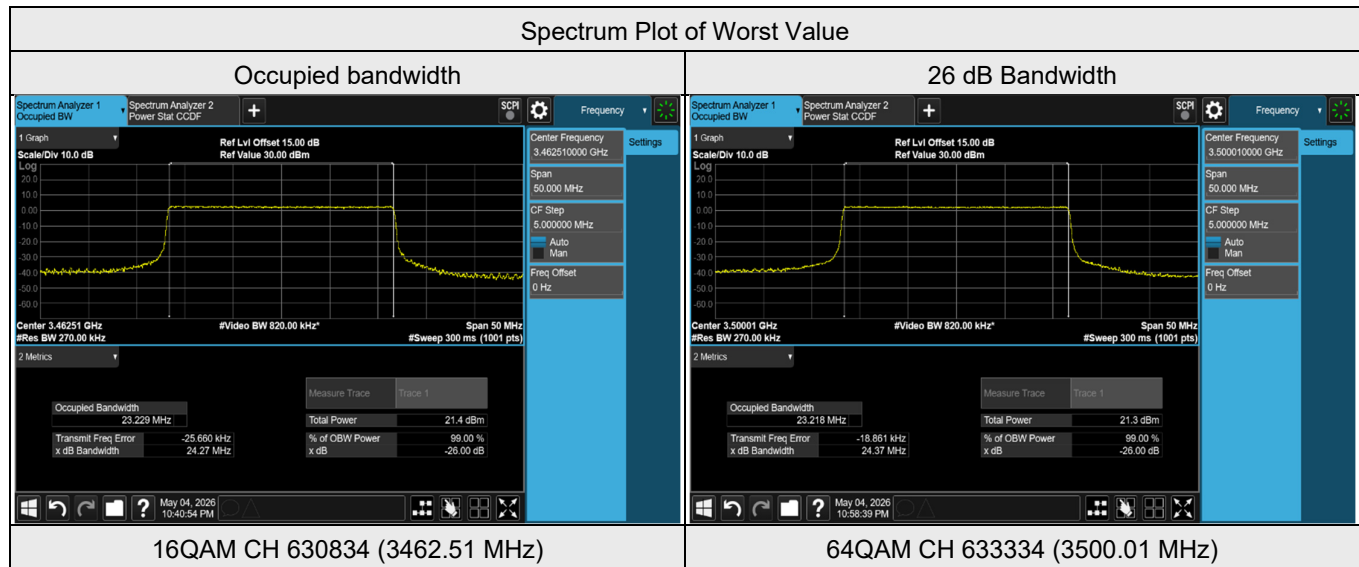


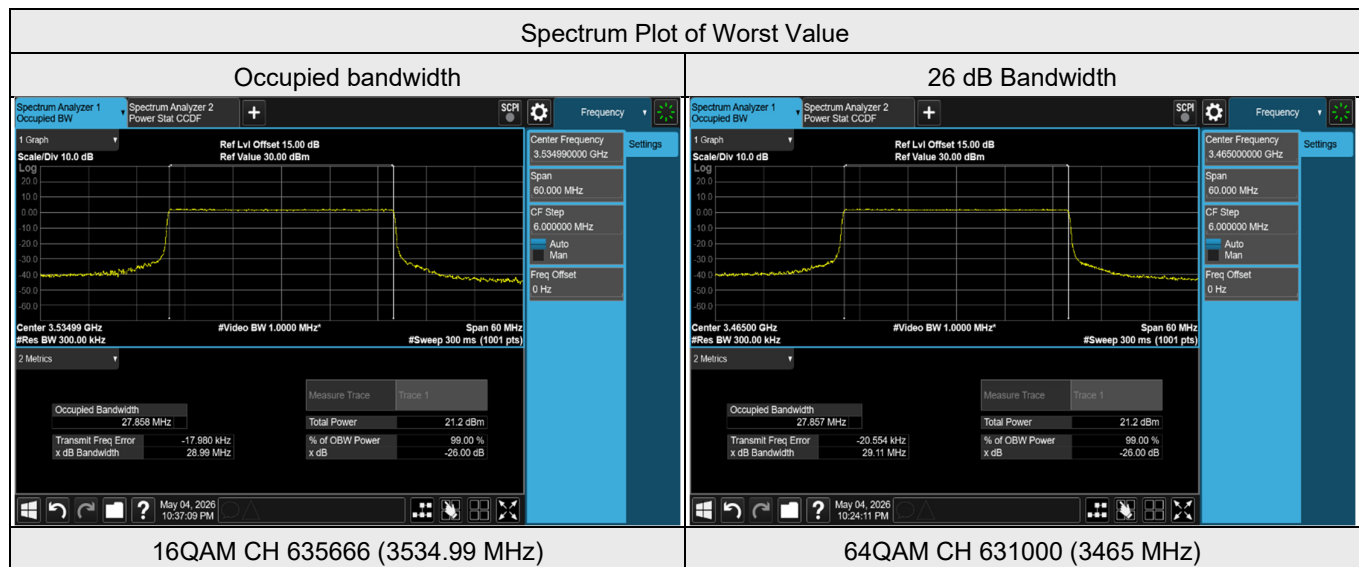
NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz), Channel Bandwidth: 25 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	630834	3462.51	22.862	23.95
BPSK	633334	3500.01	22.856	23.86
BPSK	635832	3537.48	22.837	23.88
QPSK	630834	3462.51	23.213	24.36
QPSK	633334	3500.01	23.209	24.32
QPSK	635832	3537.48	23.211	24.32
16QAM	630834	3462.51	23.229	24.27
16QAM	633334	3500.01	23.213	24.33
16QAM	635832	3537.48	23.225	24.23
64QAM	630834	3462.51	23.214	24.33
64QAM	633334	3500.01	23.218	24.37
64QAM	635832	3537.48	23.216	24.29
256QAM	630834	3462.51	23.192	24.25
256QAM	633334	3500.01	23.192	24.22
256QAM	635832	3537.48	23.201	24.27



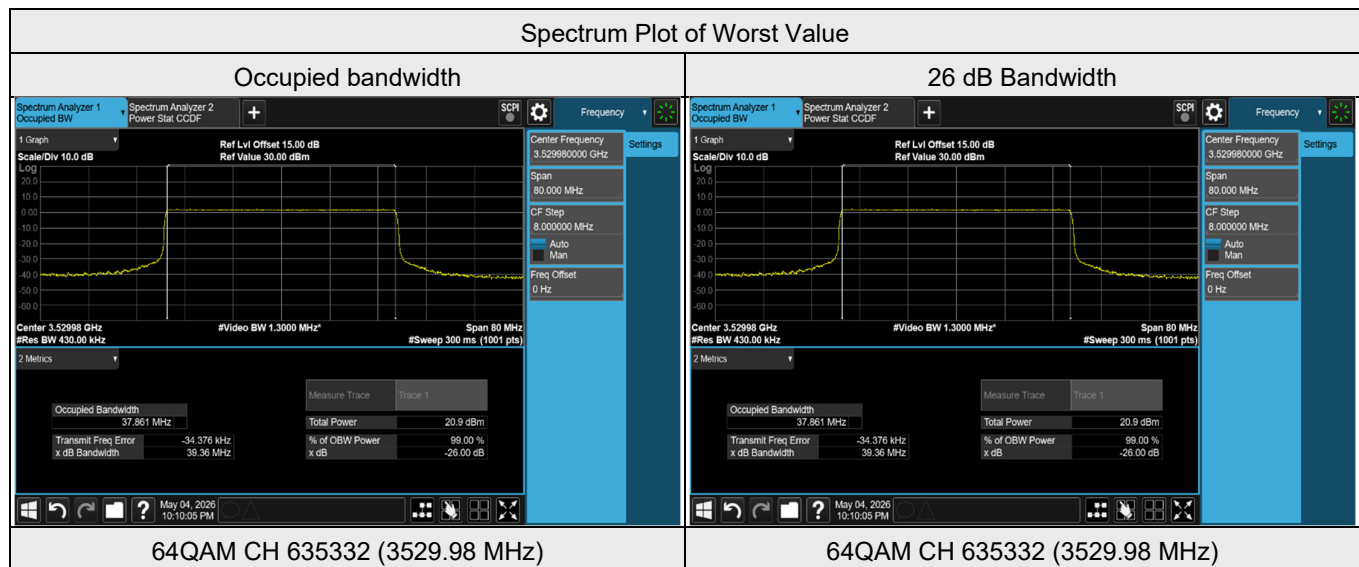
NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz), Channel Bandwidth: 30 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	631000	3465	26.786	27.89
BPSK	633334	3500.01	26.779	27.90
BPSK	635666	3534.99	26.785	27.91
QPSK	631000	3465	27.853	28.91
QPSK	633334	3500.01	27.847	29.09
QPSK	635666	3534.99	27.839	29.01
16QAM	631000	3465	27.832	29.05
16QAM	633334	3500.01	27.848	28.96
16QAM	635666	3534.99	27.858	28.99
64QAM	631000	3465	27.857	29.11
64QAM	633334	3500.01	27.848	28.99
64QAM	635666	3534.99	27.848	29.03
256QAM	631000	3465	27.839	28.97
256QAM	633334	3500.01	27.840	28.95
256QAM	635666	3534.99	27.855	29.02



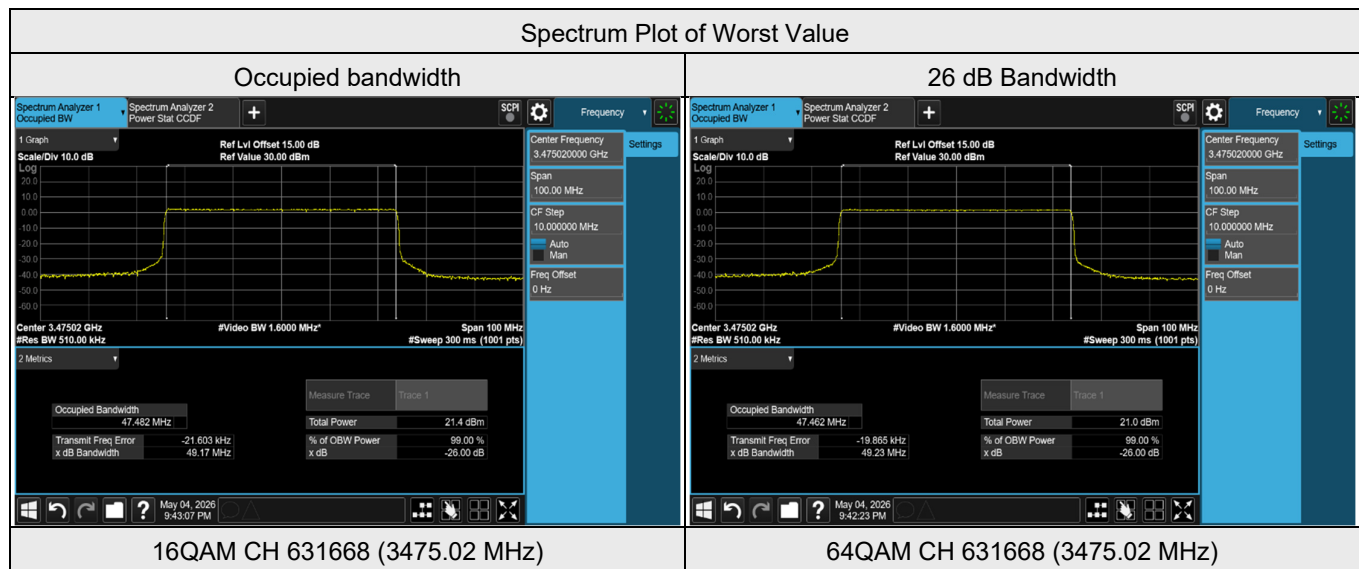
NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz), Channel Bandwidth: 40 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	631334	3470.01	35.718	37.12
BPSK	633334	3500.01	35.713	37.10
BPSK	635332	3529.98	35.733	37.17
QPSK	631334	3470.01	37.835	39.35
QPSK	633334	3500.01	37.844	39.34
QPSK	635332	3529.98	37.851	39.33
16QAM	631334	3470.01	37.851	39.33
16QAM	633334	3500.01	37.852	39.34
16QAM	635332	3529.98	37.851	39.35
64QAM	631334	3470.01	37.844	39.33
64QAM	633334	3500.01	37.841	39.28
64QAM	635332	3529.98	37.861	39.36
256QAM	631334	3470.01	37.860	39.29
256QAM	633334	3500.01	37.853	39.28
256QAM	635332	3529.98	37.846	39.31



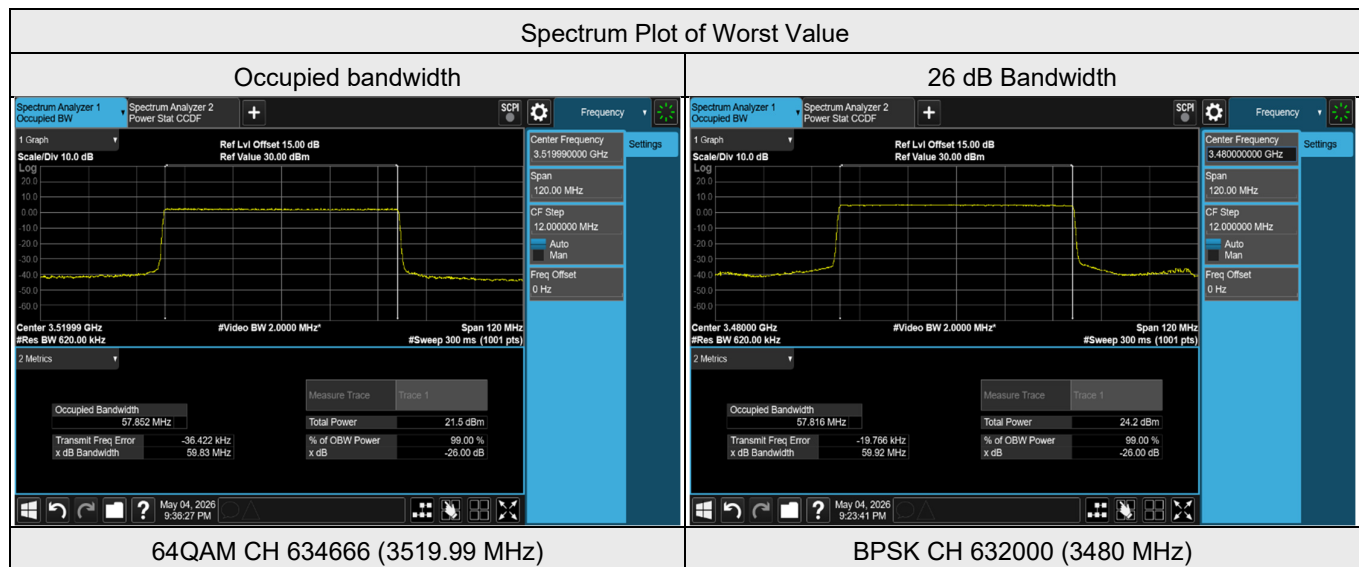
NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz), Channel Bandwidth: 50 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	631668	3475.02	45.684	47.37
BPSK	633334	3500.01	45.658	47.37
BPSK	635000	3525	45.691	47.37
QPSK	631668	3475.02	47.460	49.22
QPSK	633334	3500.01	47.444	49.16
QPSK	635000	3525	47.473	49.22
16QAM	631668	3475.02	47.482	49.17
16QAM	633334	3500.01	47.480	49.22
16QAM	635000	3525	47.472	49.21
64QAM	631668	3475.02	47.462	49.23
64QAM	633334	3500.01	47.468	49.18
64QAM	635000	3525	47.463	49.19
256QAM	631668	3475.02	47.473	49.16
256QAM	633334	3500.01	47.459	49.16
256QAM	635000	3525	47.478	49.18



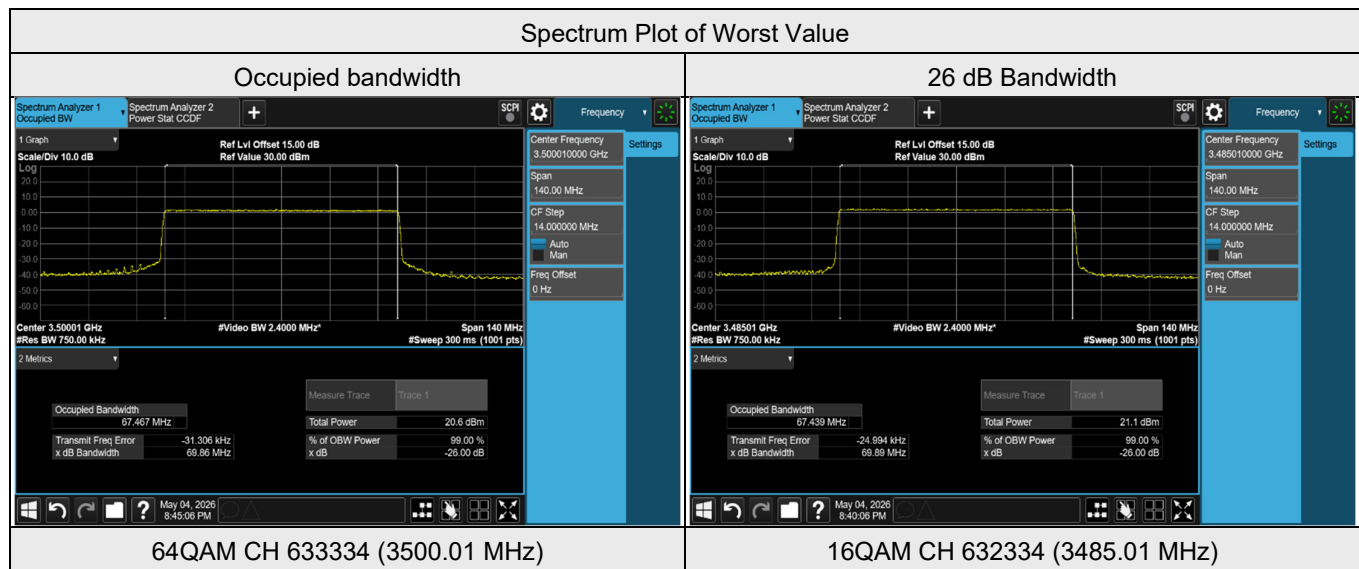
NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz), Channel Bandwidth: 60 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	632000	3480	57.816	59.92
BPSK	633334	3500.01	57.817	59.85
BPSK	634666	3519.99	57.772	59.84
QPSK	632000	3480	57.835	59.83
QPSK	633334	3500.01	57.802	59.89
QPSK	634666	3519.99	57.832	59.89
16QAM	632000	3480	57.836	59.87
16QAM	633334	3500.01	57.795	59.88
16QAM	634666	3519.99	57.829	59.86
64QAM	632000	3480	57.818	59.87
64QAM	633334	3500.01	57.738	59.89
64QAM	634666	3519.99	57.852	59.83
256QAM	632000	3480	57.794	59.83
256QAM	633334	3500.01	57.812	59.87
256QAM	634666	3519.99	57.831	59.86



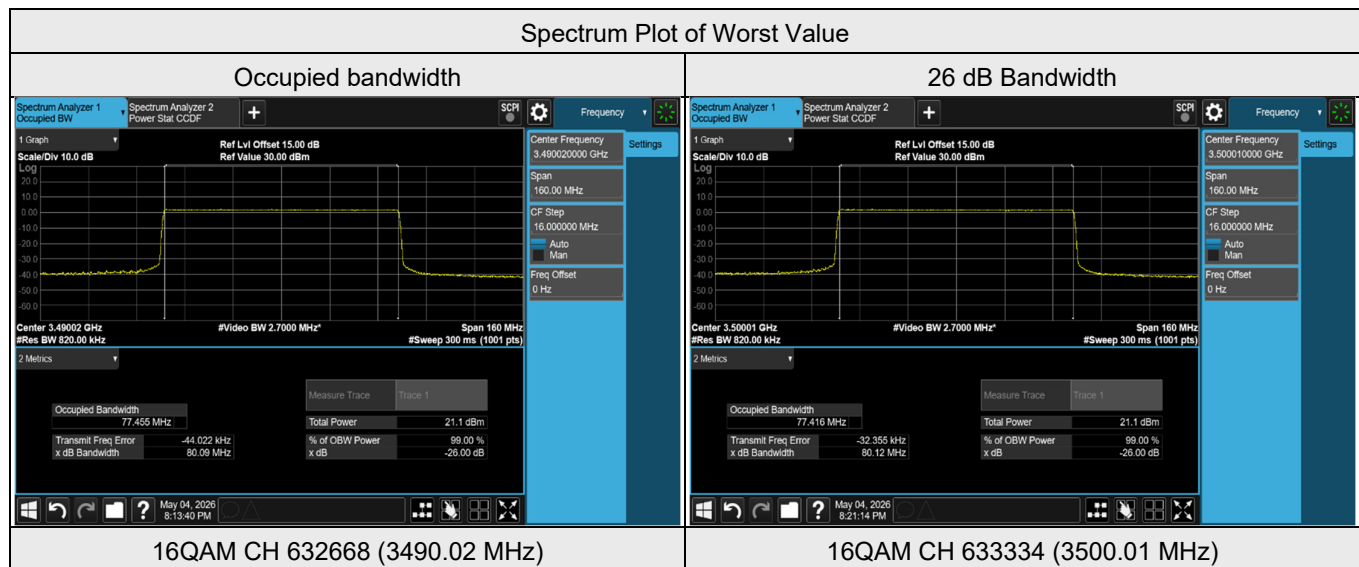
NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz), Channel Bandwidth: 70 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	632334	3485.01	64.240	66.61
BPSK	633334	3500.01	64.209	66.61
BPSK	634332	3514.98	64.201	66.59
QPSK	632334	3485.01	67.429	69.85
QPSK	633334	3500.01	67.460	69.86
QPSK	634332	3514.98	67.455	69.86
16QAM	632334	3485.01	67.439	69.89
16QAM	633334	3500.01	67.450	69.88
16QAM	634332	3514.98	67.465	69.88
64QAM	632334	3485.01	67.450	69.85
64QAM	633334	3500.01	67.467	69.86
64QAM	634332	3514.98	67.448	69.87
256QAM	632334	3485.01	67.417	69.82
256QAM	633334	3500.01	67.465	69.81
256QAM	634332	3514.98	67.448	69.86



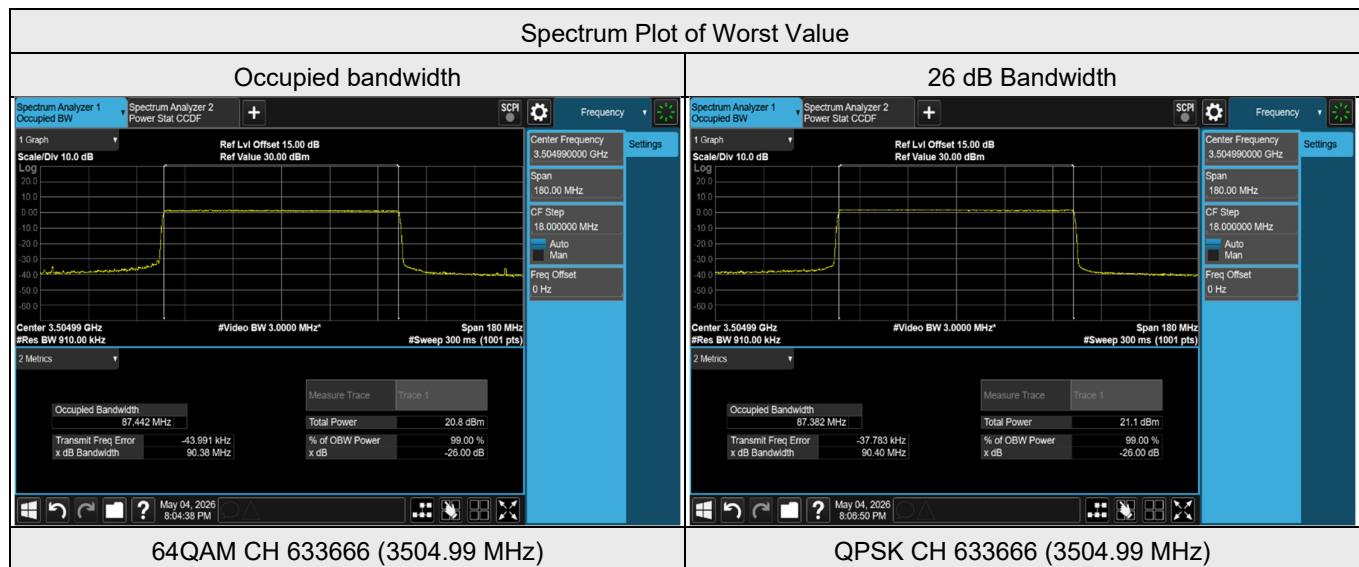
NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz), Channel Bandwidth: 80 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	632668	3490.02	77.027	79.76
BPSK	633334	3500.01	77.024	79.75
BPSK	634000	3510	77.025	79.73
QPSK	632668	3490.02	77.437	80.06
QPSK	633334	3500.01	77.421	80.06
QPSK	634000	3510	77.090	79.74
16QAM	632668	3490.02	77.455	80.09
16QAM	633334	3500.01	77.416	80.12
16QAM	634000	3510	77.084	79.76
64QAM	632668	3490.02	77.449	80.11
64QAM	633334	3500.01	77.452	80.09
64QAM	634000	3510	77.106	79.74
256QAM	632668	3490.02	77.431	80.06
256QAM	633334	3500.01	77.432	80.07
256QAM	634000	3510	77.408	80.04



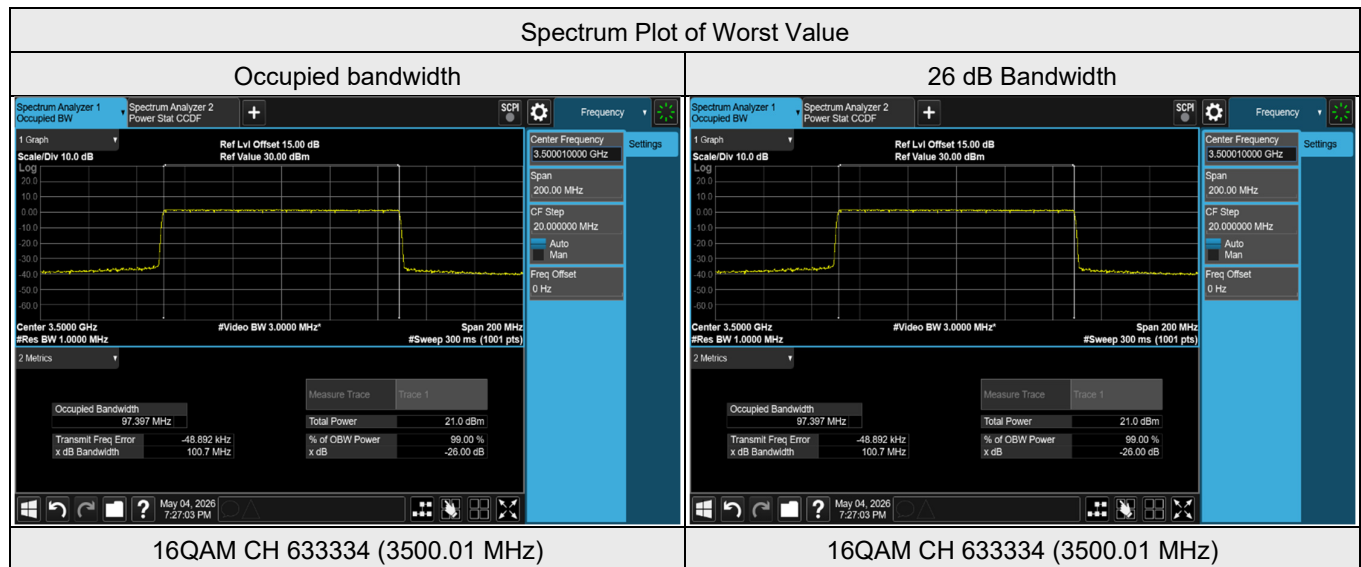
NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz), Channel Bandwidth: 90 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	633000	3495	86.651	89.65
BPSK	633334	3500.01	86.658	89.66
BPSK	633666	3504.99	86.676	89.66
QPSK	633000	3495	87.410	90.37
QPSK	633334	3500.01	87.410	90.36
QPSK	633666	3504.99	87.382	90.40
16QAM	633000	3495	87.428	90.37
16QAM	633334	3500.01	87.411	90.39
16QAM	633666	3504.99	87.409	90.39
64QAM	633000	3495	87.409	90.38
64QAM	633334	3500.01	87.426	90.38
64QAM	633666	3504.99	87.442	90.38
256QAM	633000	3495	87.394	90.32
256QAM	633334	3500.01	87.422	90.34
256QAM	633666	3504.99	87.407	90.34



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

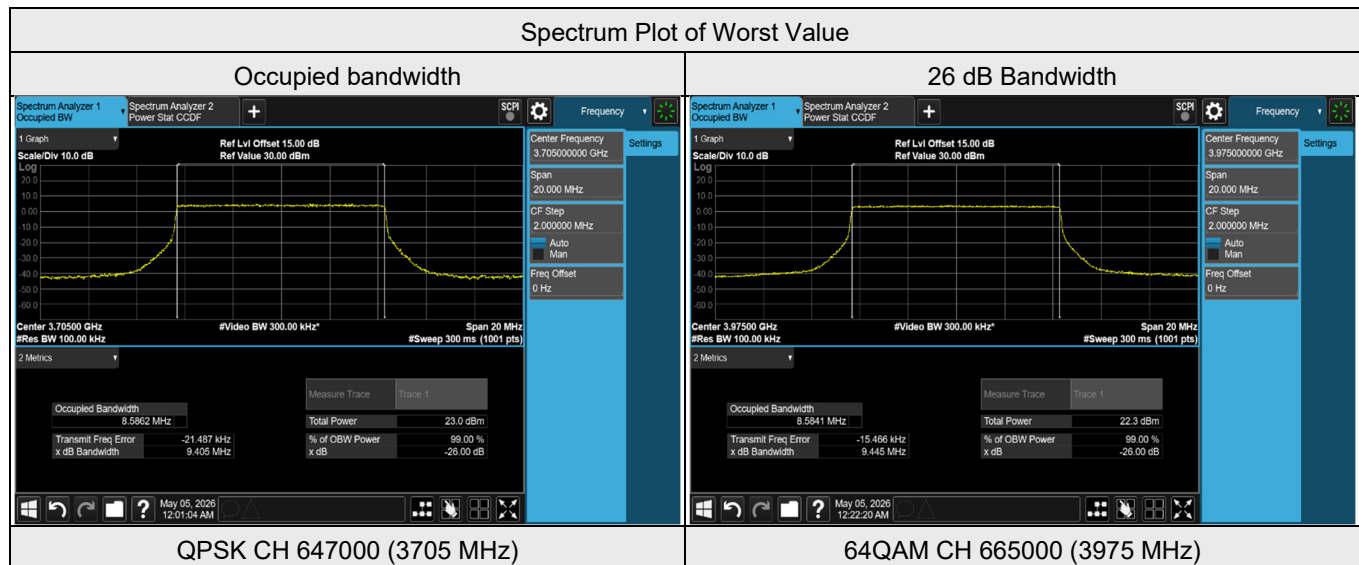
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	633334	3500.01	96.295	99.59
QPSK	633334	3500.01	97.389	100.7
16QAM	633334	3500.01	97.397	100.7
64QAM	633334	3500.01	97.389	100.7
256QAM	633334	3500.01	97.371	100.7



7.4.14NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz)

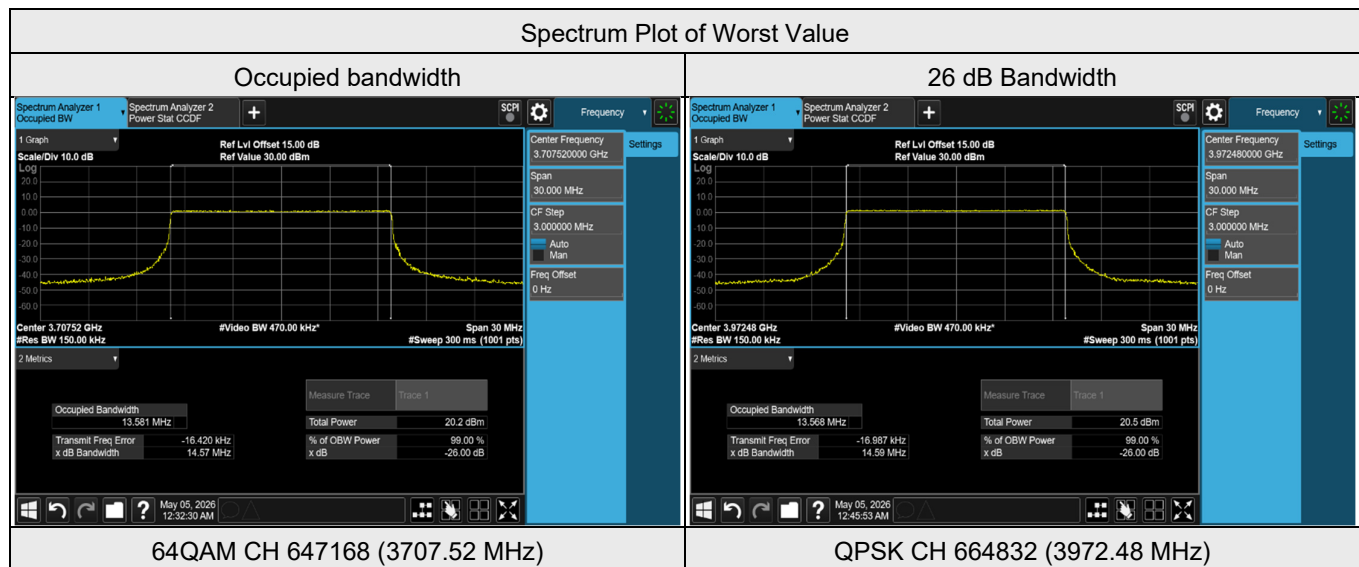
NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz), Channel Bandwidth: 10 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	647000	3705	8.5828	9.321
BPSK	656000	3840	8.5806	9.345
BPSK	665000	3975	8.5778	9.264
QPSK	647000	3705	8.5862	9.405
QPSK	656000	3840	8.5797	9.286
QPSK	665000	3975	8.5847	9.301
16QAM	647000	3705	8.5788	9.307
16QAM	656000	3840	8.5733	9.332
16QAM	665000	3975	8.5777	9.323
64QAM	647000	3705	8.5746	9.376
64QAM	656000	3840	8.5765	9.383
64QAM	665000	3975	8.5841	9.445
256QAM	647000	3705	8.5823	9.353
256QAM	656000	3840	8.5823	9.189
256QAM	665000	3975	8.5811	9.336



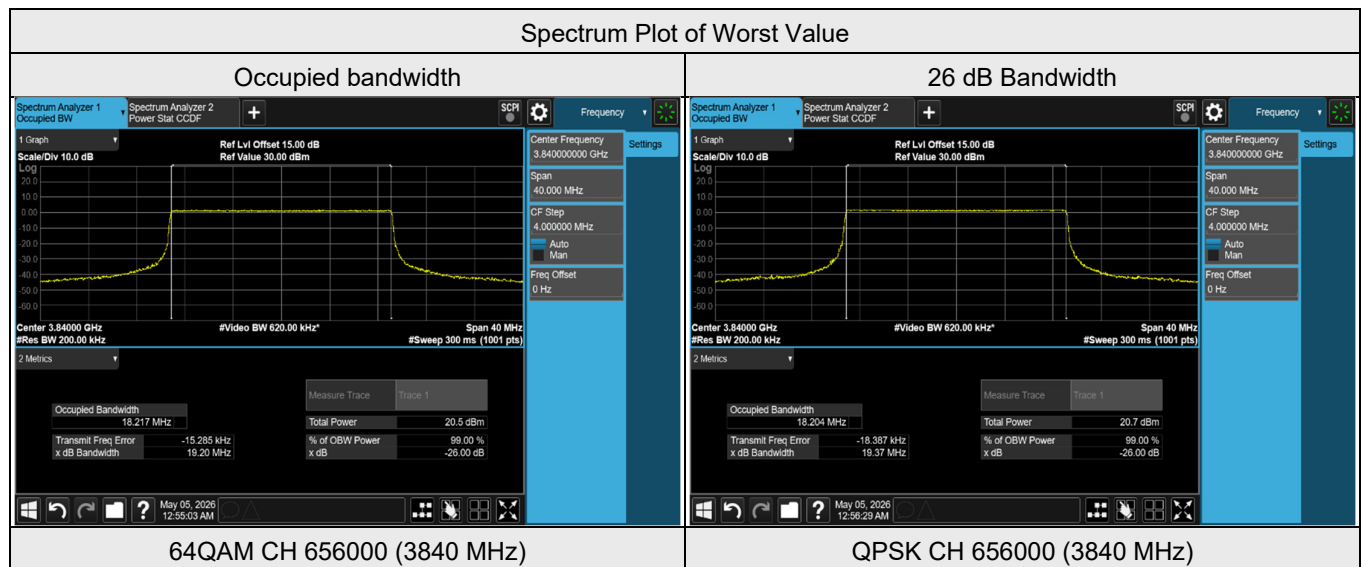
NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz), Channel Bandwidth: 15 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	647168	3707.52	12.864	13.72
BPSK	656000	3840	12.867	13.72
BPSK	664832	3972.48	12.856	13.68
QPSK	647168	3707.52	13.570	14.51
QPSK	656000	3840	13.570	14.58
QPSK	664832	3972.48	13.568	14.59
16QAM	647168	3707.52	13.575	14.50
16QAM	656000	3840	13.578	14.54
16QAM	664832	3972.48	13.570	14.51
64QAM	647168	3707.52	13.581	14.57
64QAM	656000	3840	13.575	14.45
64QAM	664832	3972.48	13.578	14.40
256QAM	647168	3707.52	13.572	14.47
256QAM	656000	3840	13.574	14.47
256QAM	664832	3972.48	13.574	14.34



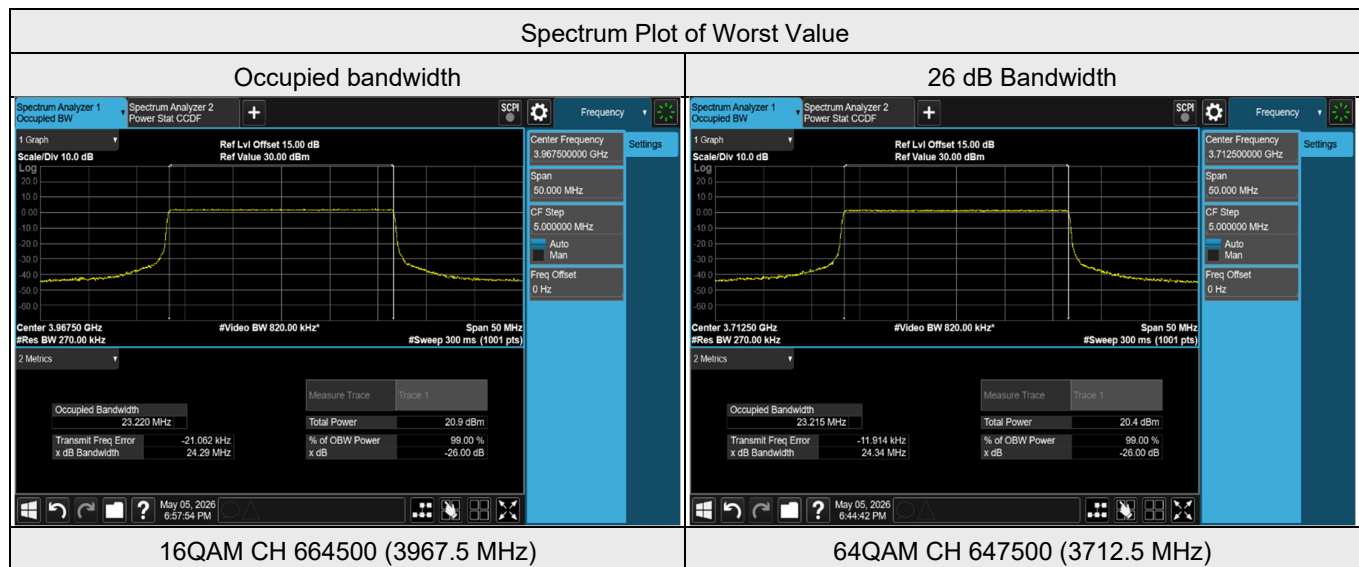
NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz), Channel Bandwidth: 20 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	647334	3710.01	17.845	18.85
BPSK	656000	3840	17.850	18.78
BPSK	664666	3969.99	17.842	18.70
QPSK	647334	3710.01	18.206	19.27
QPSK	656000	3840	18.204	19.37
QPSK	664666	3969.99	18.197	19.20
16QAM	647334	3710.01	18.216	19.20
16QAM	656000	3840	18.207	19.20
16QAM	664666	3969.99	18.209	19.07
64QAM	647334	3710.01	18.211	19.16
64QAM	656000	3840	18.217	19.20
64QAM	664666	3969.99	18.191	19.09
256QAM	647334	3710.01	18.211	19.18
256QAM	656000	3840	18.200	19.12
256QAM	664666	3969.99	18.210	19.24



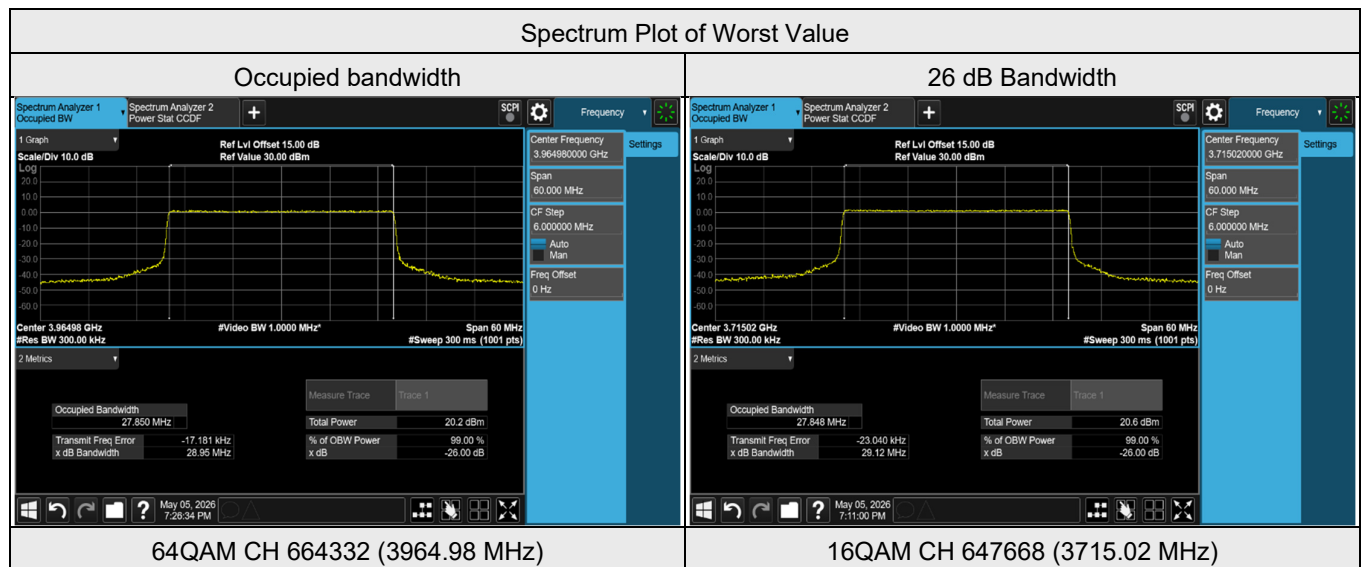
NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz), Channel Bandwidth: 25 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	647500	3712.5	22.854	23.88
BPSK	656000	3840	22.865	23.89
BPSK	664500	3967.5	22.852	23.90
QPSK	647500	3712.5	23.205	24.28
QPSK	656000	3840	23.206	24.22
QPSK	664500	3967.5	23.204	24.32
16QAM	647500	3712.5	23.209	24.27
16QAM	656000	3840	23.204	24.17
16QAM	664500	3967.5	23.220	24.29
64QAM	647500	3712.5	23.215	24.34
64QAM	656000	3840	23.199	24.24
64QAM	664500	3967.5	23.211	24.30
256QAM	647500	3712.5	23.206	24.23
256QAM	656000	3840	23.205	24.24
256QAM	664500	3967.5	23.204	24.18



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

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	647668	3715.02	26.769	27.85
BPSK	656000	3840	26.775	27.90
BPSK	664332	3964.98	26.774	27.85
QPSK	647668	3715.02	27.830	29.09
QPSK	656000	3840	27.836	29.02
QPSK	664332	3964.98	27.838	28.93
16QAM	647668	3715.02	27.848	29.12
16QAM	656000	3840	27.840	28.95
16QAM	664332	3964.98	27.842	28.94
64QAM	647668	3715.02	27.847	28.99
64QAM	656000	3840	27.848	29.02
64QAM	664332	3964.98	27.850	28.95
256QAM	647668	3715.02	27.846	29.01
256QAM	656000	3840	27.847	28.96
256QAM	664332	3964.98	27.849	28.91



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

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	648000	3720	35.698	37.11
BPSK	656000	3840	35.708	37.11
BPSK	664000	3960	35.695	37.09
QPSK	648000	3720	37.846	39.32
QPSK	656000	3840	37.831	39.27
QPSK	664000	3960	37.835	39.35
16QAM	648000	3720	37.838	39.34
16QAM	656000	3840	37.834	39.24
16QAM	664000	3960	37.847	39.34
64QAM	648000	3720	37.835	39.34
64QAM	656000	3840	37.822	39.27
64QAM	664000	3960	37.847	39.38
256QAM	648000	3720	37.836	39.25
256QAM	656000	3840	37.836	39.31
256QAM	664000	3960	37.845	39.30

