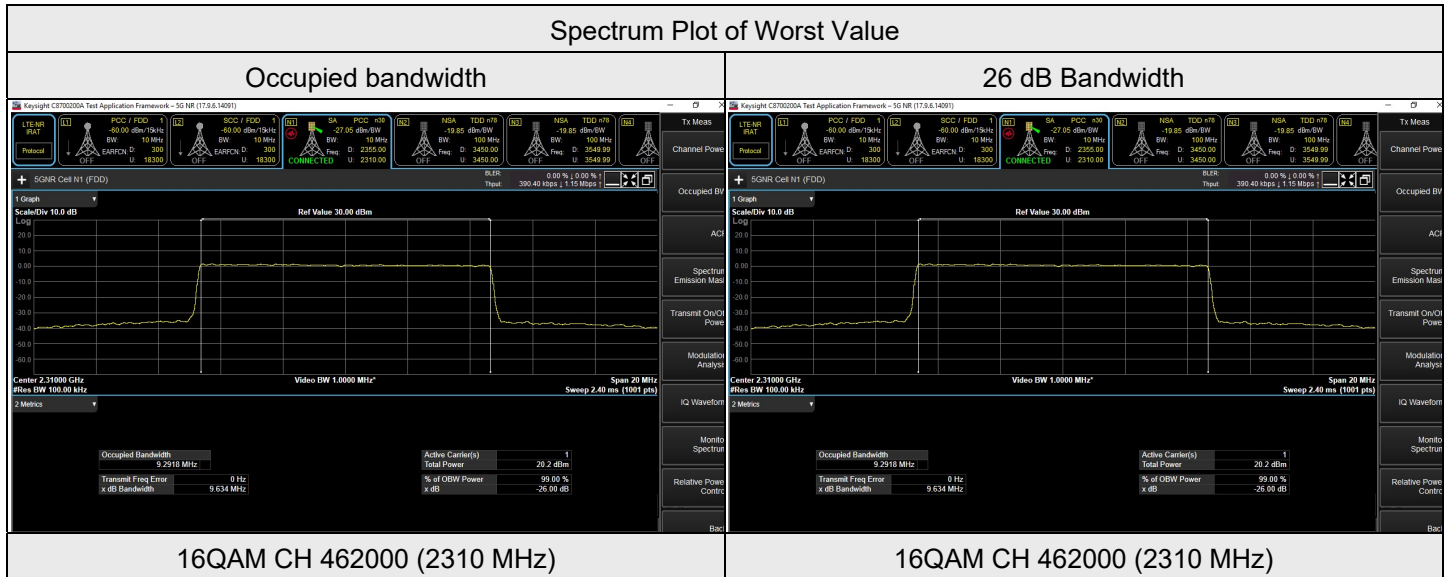


NR n30 SCS 15 kHz, Channel Bandwidth: 10 MHz

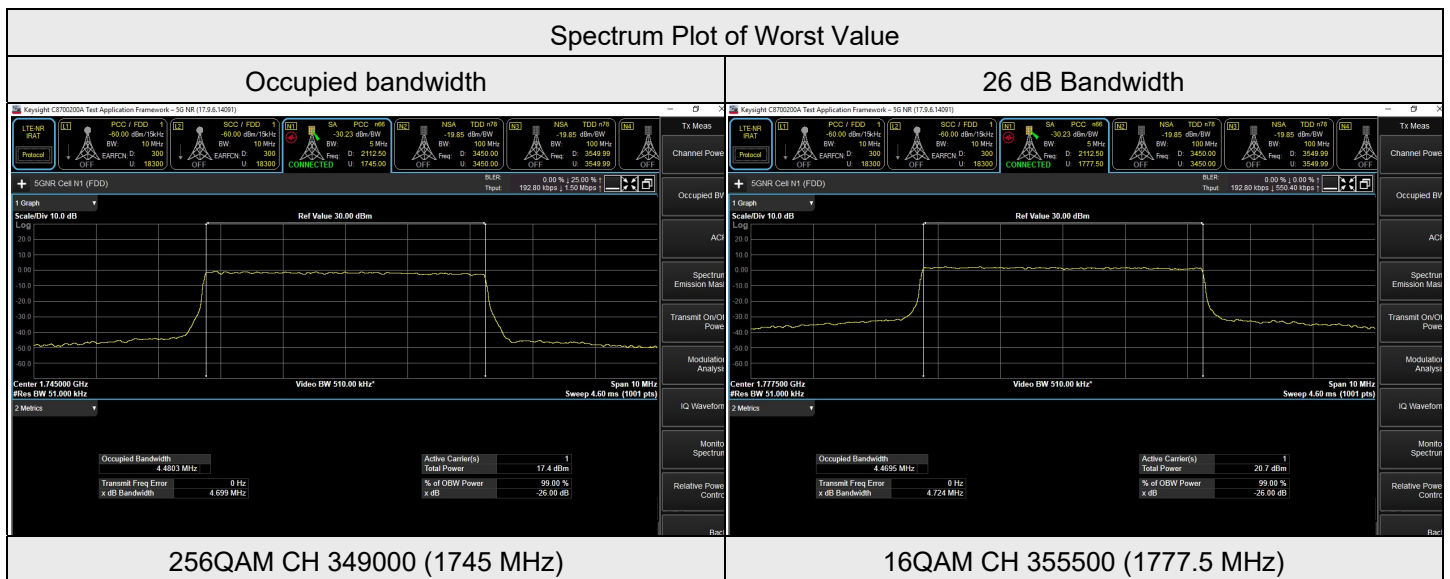
NR n30 SCS 15 kHz 10M				
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	462000	2310	9.2487	9.270
QPSK	462000	2310	9.2902	9.620
16QAM	462000	2310	9.2918	9.634
64QAM	462000	2310	9.2885	9.622
256QAM	462000	2310	9.2911	9.619



7.4.5 NR n66 SCS 15 kHz

NR n66 SCS 15 kHz, Channel Bandwidth: 5 MHz

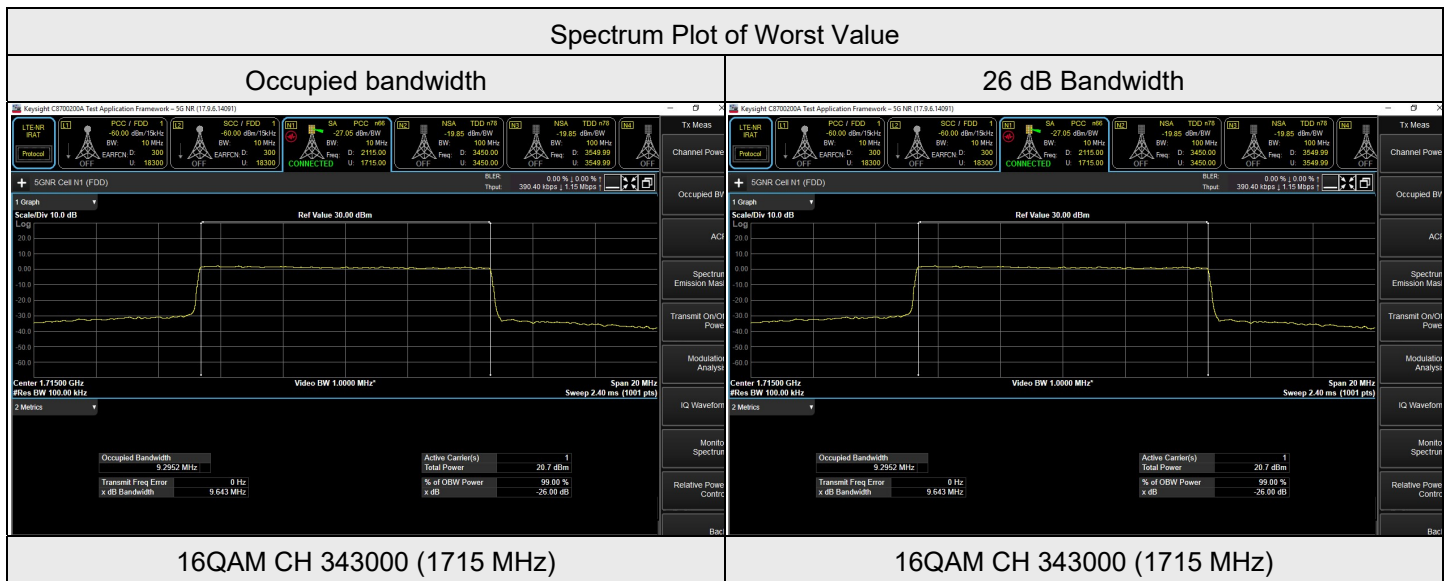
NR n66 SCS 15 kHz 5M				
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	342500	1712.5	4.4697	4.709
BPSK	349000	1745	4.4699	4.705
BPSK	355500	1777.5	4.4662	4.691
QPSK	342500	1712.5	4.4666	4.704
QPSK	349000	1745	4.4665	4.712
QPSK	355500	1777.5	4.4666	4.695
16QAM	342500	1712.5	4.4696	4.706
16QAM	349000	1745	4.4636	4.697
16QAM	355500	1777.5	4.4695	4.724
64QAM	342500	1712.5	4.4680	4.711
64QAM	349000	1745	4.4670	4.701
64QAM	355500	1777.5	4.4685	4.710
256QAM	342500	1712.5	4.4664	4.699
256QAM	349000	1745	4.4803	4.699
256QAM	355500	1777.5	4.4679	4.721





NR n66 SCS 15 kHz, Channel Bandwidth: 10 MHz

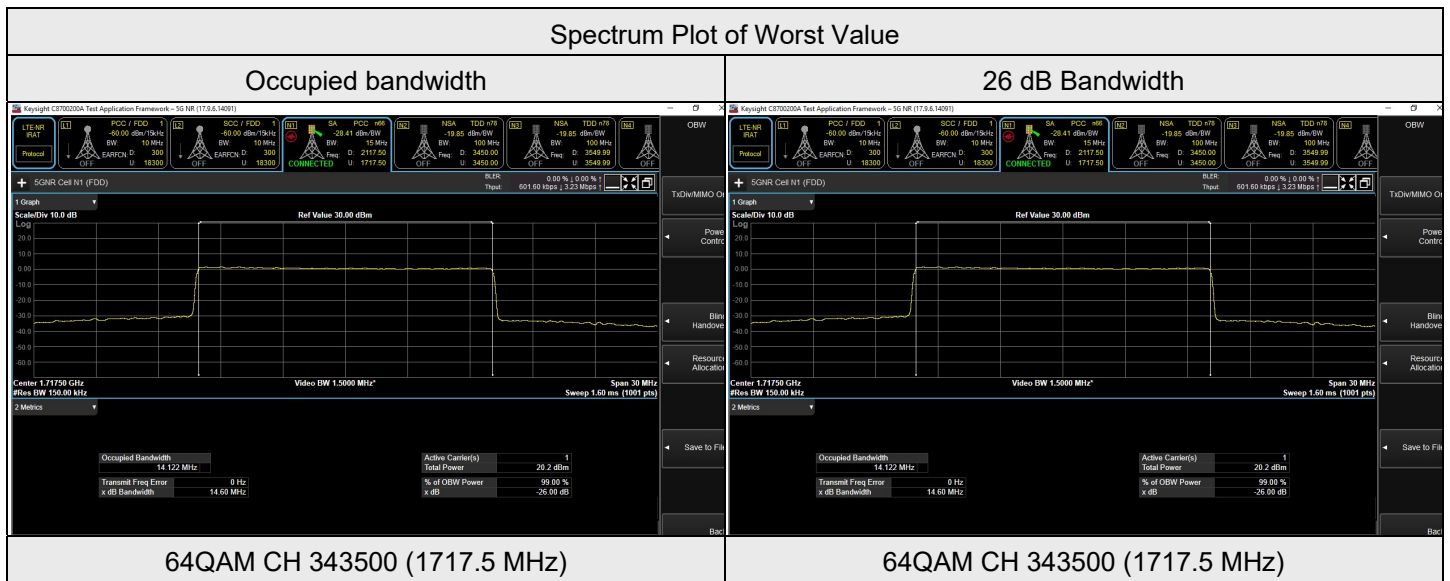
NR n66 SCS 15 kHz 10M				
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	343000	1715	9.2435	9.254
BPSK	349000	1745	9.2039	9.236
BPSK	355000	1775	9.2464	9.270
QPSK	343000	1715	9.2915	9.637
QPSK	349000	1745	9.2869	9.616
QPSK	355000	1775	9.2909	9.617
16QAM	343000	1715	9.2952	9.643
16QAM	349000	1745	9.2892	9.616
16QAM	355000	1775	9.2916	9.633
64QAM	343000	1715	9.2921	9.622
64QAM	349000	1745	9.2860	9.622
64QAM	355000	1775	9.2908	9.615
256QAM	343000	1715	9.2839	9.630
256QAM	349000	1745	9.2850	9.621
256QAM	355000	1775	9.2919	9.643





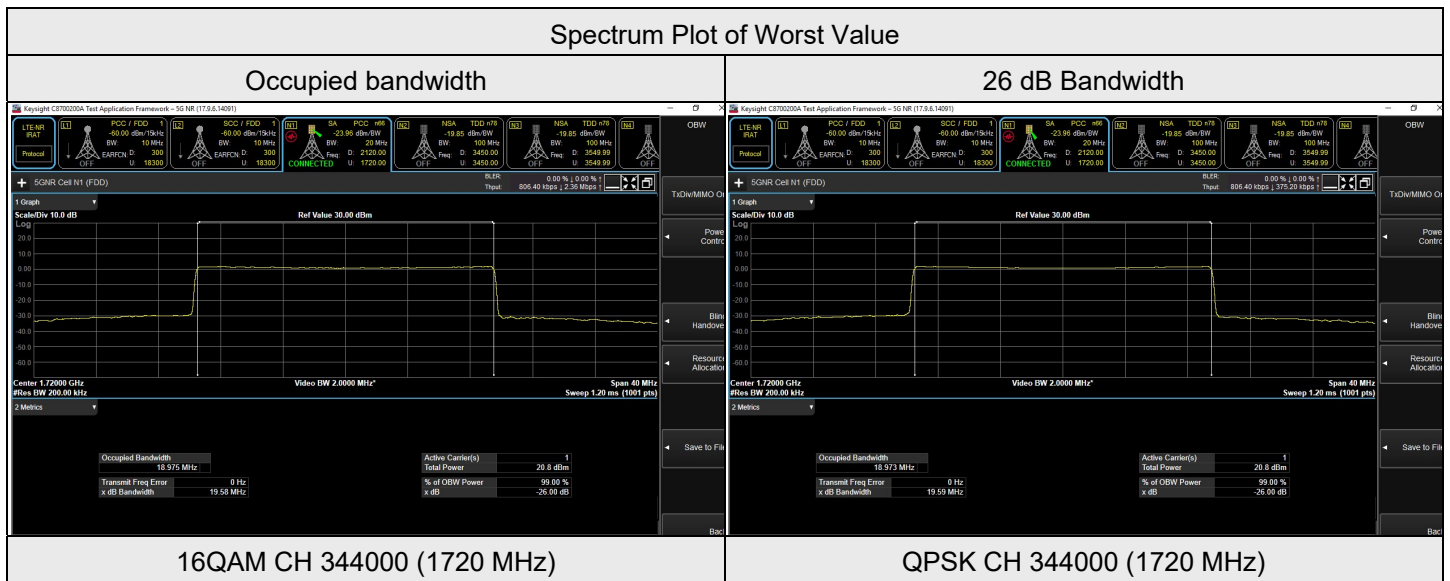
NR n66 SCS 15 kHz, Channel Bandwidth: 15 MHz

NR n66 SCS 15 kHz 15M				
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	343500	1717.5	14.045	13.88
BPSK	349000	1745	14.052	13.87
BPSK	354500	1772.5	14.045	13.87
QPSK	343500	1717.5	14.120	14.60
QPSK	349000	1745	14.108	14.58
QPSK	354500	1772.5	14.112	14.59
16QAM	343500	1717.5	14.118	14.60
16QAM	349000	1745	14.110	14.60
16QAM	354500	1772.5	14.115	14.59
64QAM	343500	1717.5	14.122	14.60
64QAM	349000	1745	14.109	14.59
64QAM	354500	1772.5	14.115	14.59
256QAM	343500	1717.5	14.117	14.59
256QAM	349000	1745	14.108	14.59
256QAM	354500	1772.5	14.110	14.59



NR n66 SCS 15 kHz, Channel Bandwidth: 20 MHz

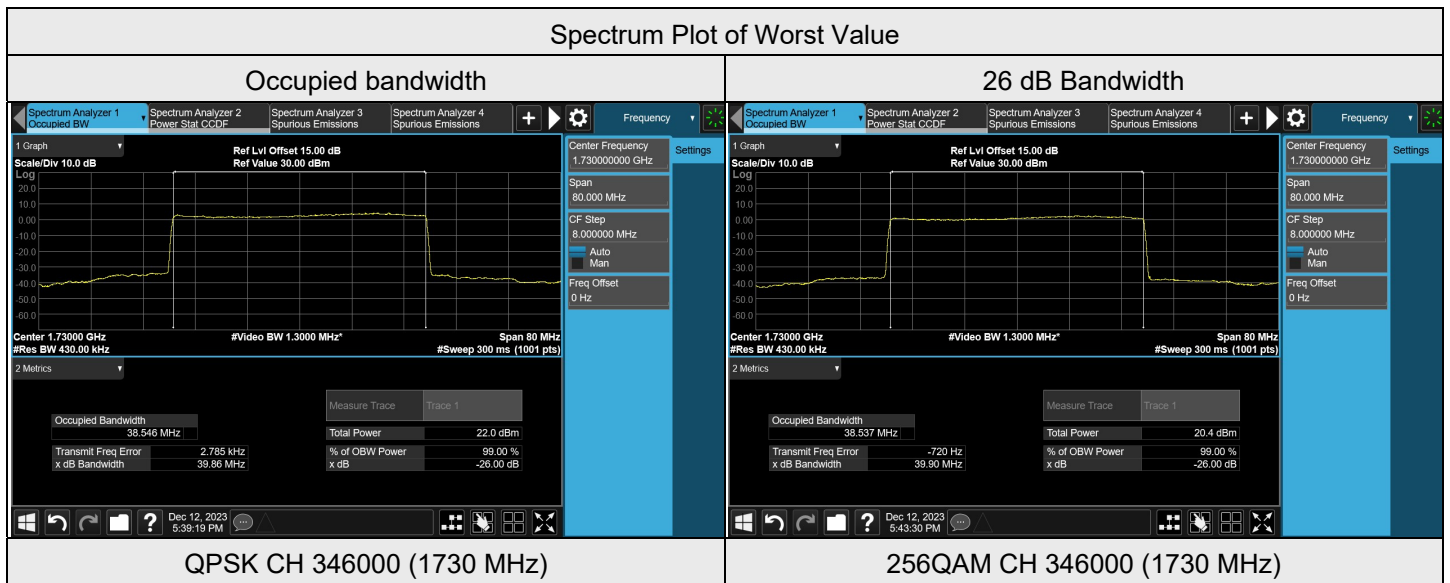
NR n66 SCS 15 kHz 20M				
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	344000	1720	18.829	18.49
BPSK	349000	1745	18.759	18.46
BPSK	354000	1770	18.735	18.46
QPSK	344000	1720	18.973	19.59
QPSK	349000	1745	18.906	19.56
QPSK	354000	1770	18.896	19.55
16QAM	344000	1720	18.975	19.58
16QAM	349000	1745	18.904	19.54
16QAM	354000	1770	18.895	19.54
64QAM	344000	1720	18.974	19.58
64QAM	349000	1745	18.914	19.55
64QAM	354000	1770	18.897	19.55
256QAM	344000	1720	18.965	19.57
256QAM	349000	1745	18.909	19.55
256QAM	354000	1770	18.901	19.54





NR n66 SCS 15 kHz, Channel Bandwidth: 40 MHz

NR n66 SCS 15 kHz 40M				
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	346000	1730	38.521	39.87
BPSK	349000	1745	38.487	39.88
BPSK	352000	1760	38.516	39.88
QPSK	346000	1730	38.546	39.86
QPSK	349000	1745	38.476	39.86
QPSK	352000	1760	38.490	39.89
16QAM	346000	1730	38.536	39.88
16QAM	349000	1745	38.475	39.90
16QAM	352000	1760	38.521	39.89
64QAM	346000	1730	38.545	39.89
64QAM	349000	1745	38.503	39.88
64QAM	352000	1760	38.516	39.88
256QAM	346000	1730	38.537	39.90
256QAM	349000	1745	38.475	39.87
256QAM	352000	1760	38.506	39.89

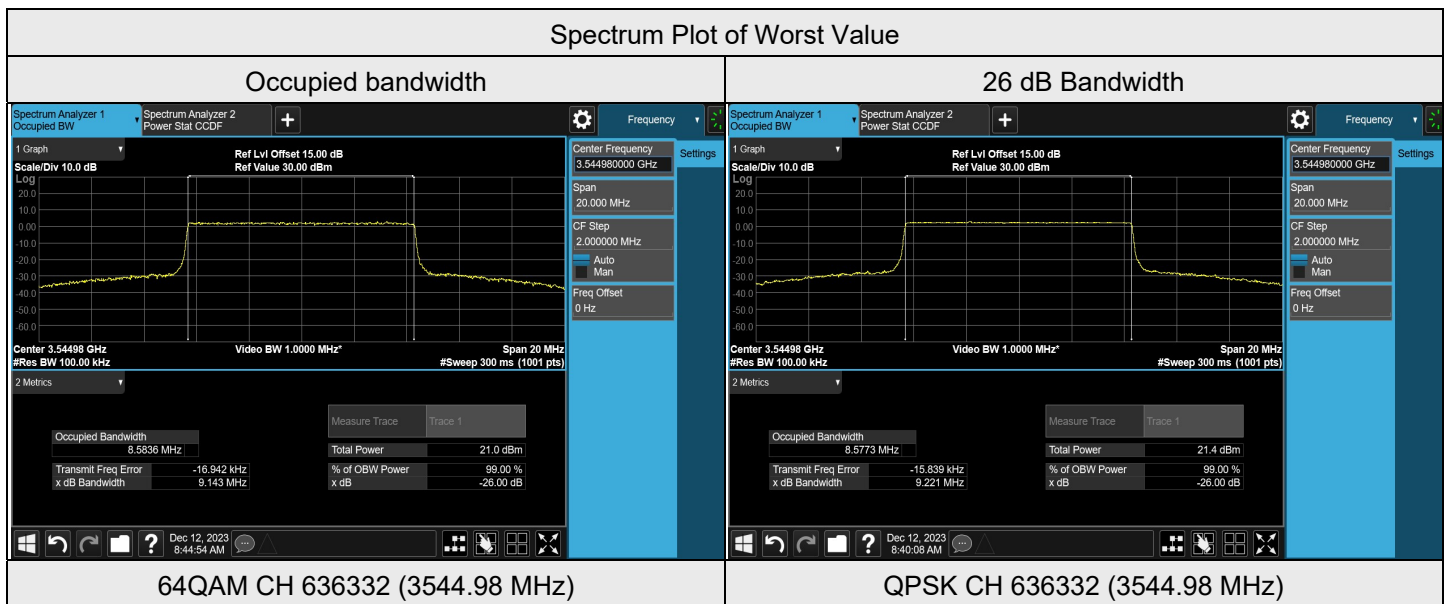


7.4.6 NR n77 (3450-3550 MHz) SCS 30 kHz

NR n77 (3450-3550 MHz) SCS 30 kHz, Channel Bandwidth: 10 MHz

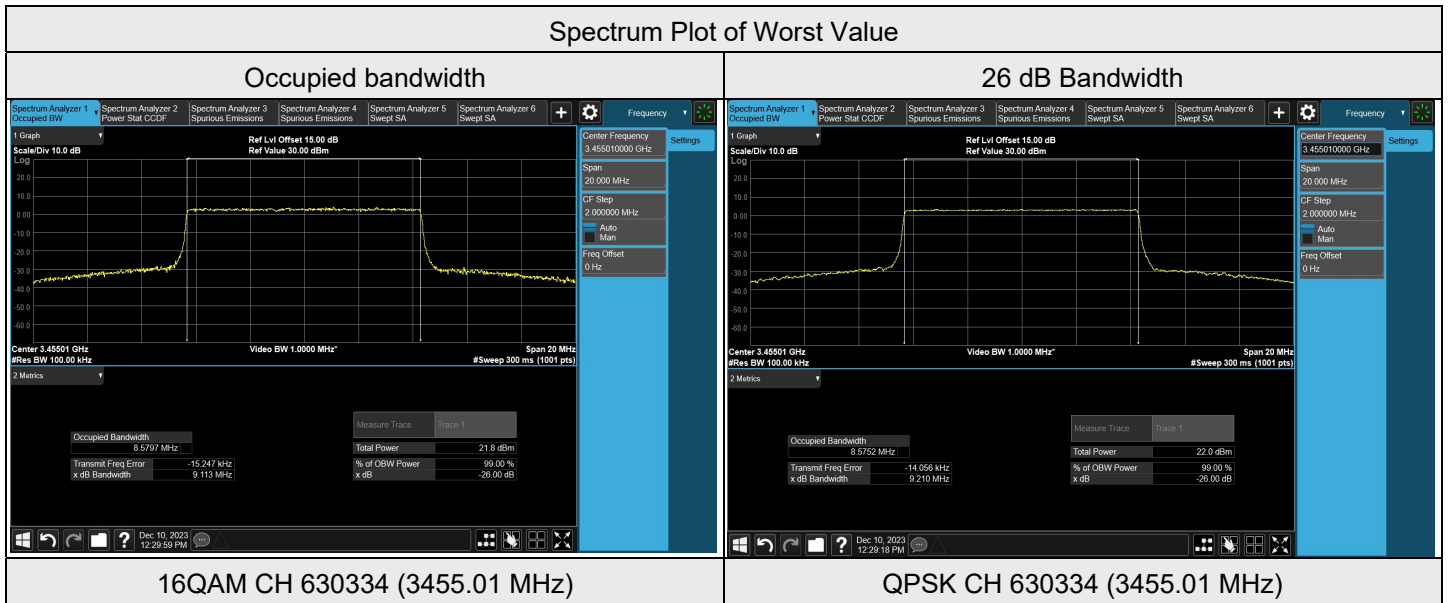
Chain 0

NR n77 SCS 30 kHz (3450-3550 MHz) 10M				
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	630334	3455.01	8.5719	9.138
QPSK	633334	3500.01	8.5750	9.134
QPSK	636332	3544.98	8.5773	9.221
16QAM	630334	3455.01	8.5787	9.121
16QAM	633334	3500.01	8.5776	9.179
16QAM	636332	3544.98	8.5818	9.131
64QAM	630334	3455.01	8.5827	9.178
64QAM	633334	3500.01	8.5751	9.100
64QAM	636332	3544.98	8.5836	9.143
256QAM	630334	3455.01	8.5809	9.107
256QAM	633334	3500.01	8.5735	9.110
256QAM	636332	3544.98	8.5775	9.090



Chain 1

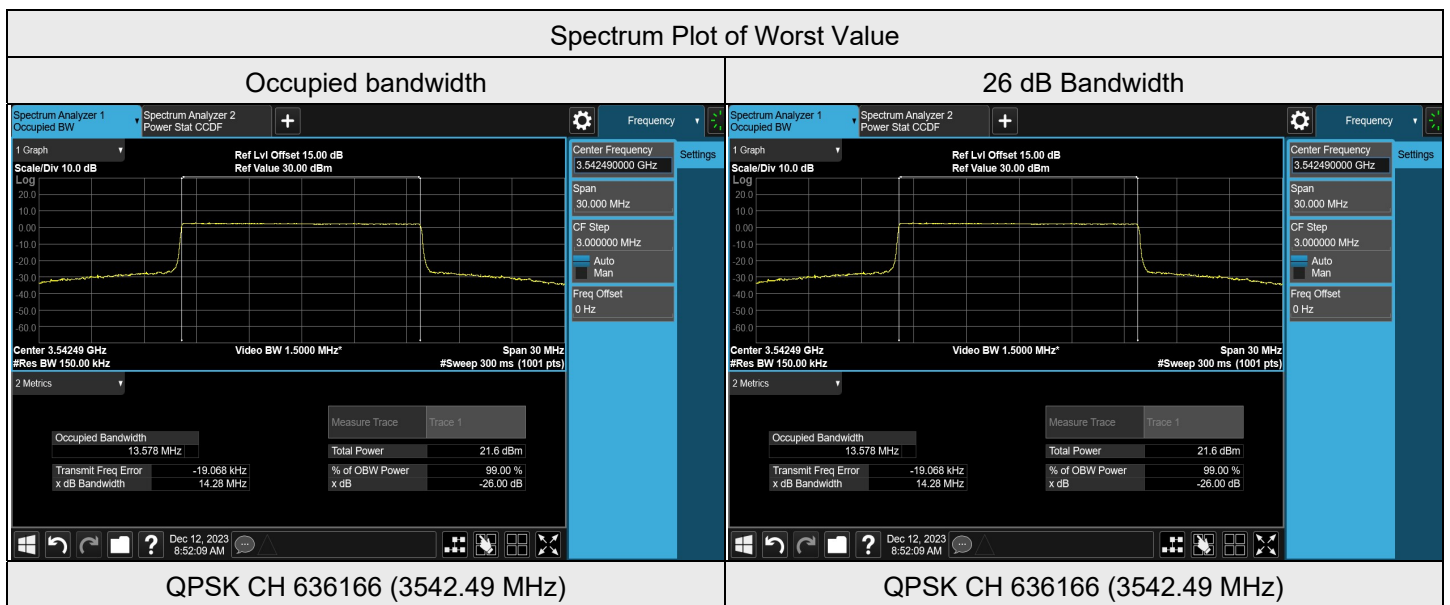
NR n77 SCS 30 kHz (3450-3550 MHz) 10M				
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	630334	3455.01	8.5752	9.210
QPSK	633334	3500.01	8.5693	9.147
QPSK	636332	3544.98	8.5728	9.155
16QAM	630334	3455.01	8.5797	9.113
16QAM	633334	3500.01	8.5733	9.057
16QAM	636332	3544.98	8.5736	9.207
64QAM	630334	3455.01	8.5778	9.104
64QAM	633334	3500.01	8.5736	9.116
64QAM	636332	3544.98	8.5796	9.085
256QAM	630334	3455.01	8.5725	9.095
256QAM	633334	3500.01	8.5666	9.055
256QAM	636332	3544.98	8.5685	9.050



NR n77 (3450-3550 MHz) SCS 30 kHz, Channel Bandwidth: 15 MHz

Chain 0

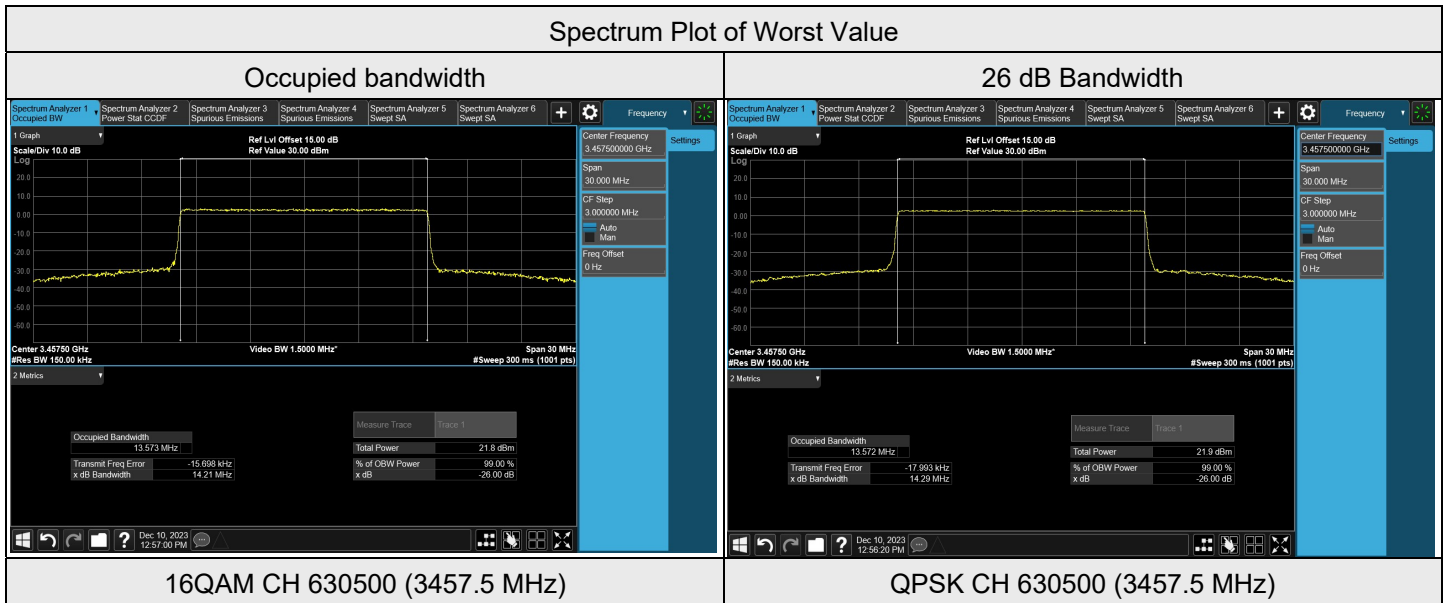
NR n77 SCS 30 kHz (3450-3550 MHz) 15M				
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	630500	3457.5	13.573	14.24
QPSK	633334	3500.01	13.573	14.28
QPSK	636166	3542.49	13.578	14.28
16QAM	630500	3457.5	13.577	14.24
16QAM	633334	3500.01	13.572	14.20
16QAM	636166	3542.49	13.576	14.26
64QAM	630500	3457.5	13.565	14.21
64QAM	633334	3500.01	13.575	14.21
64QAM	636166	3542.49	13.576	14.25
256QAM	630500	3457.5	13.573	14.17
256QAM	633334	3500.01	13.575	14.14
256QAM	636166	3542.49	13.578	14.19





Chain 1

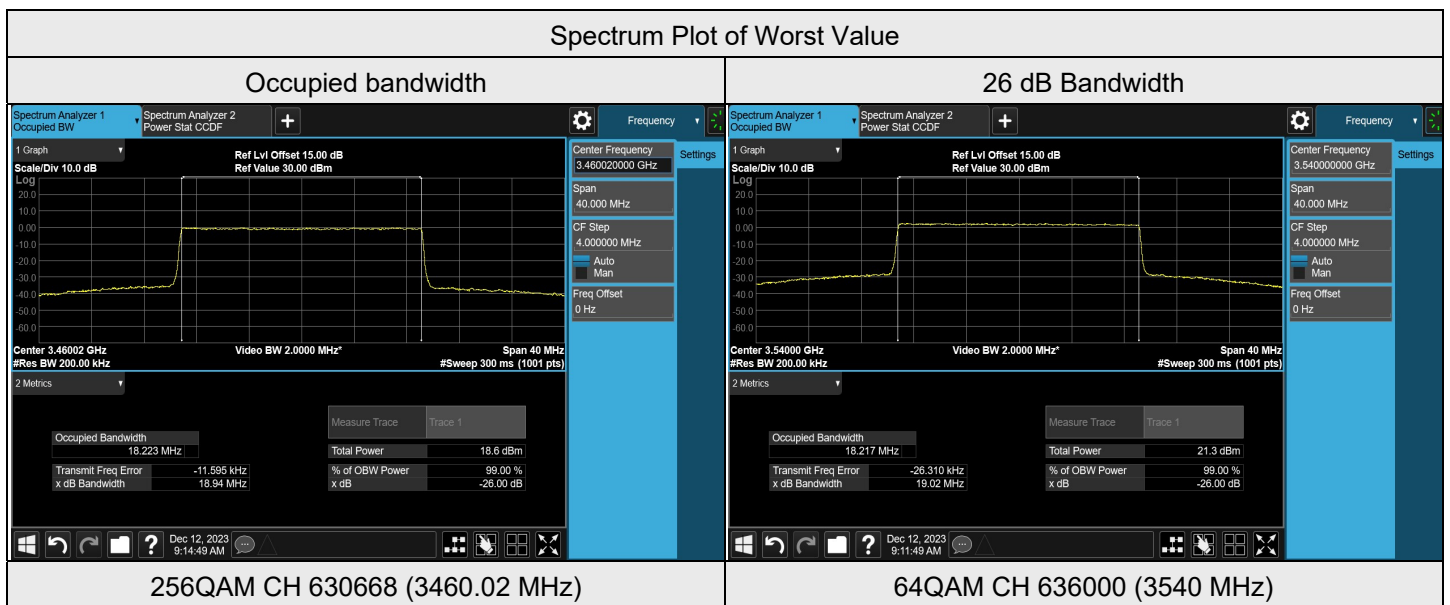
NR n77 SCS 30 kHz (3450-3550 MHz) 15M				
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	630500	3457.5	13.572	14.29
QPSK	633334	3500.01	13.565	14.20
QPSK	636166	3542.49	13.571	14.25
16QAM	630500	3457.5	13.573	14.21
16QAM	633334	3500.01	13.562	14.15
16QAM	636166	3542.49	13.571	14.20
64QAM	630500	3457.5	13.570	14.14
64QAM	633334	3500.01	13.570	14.14
64QAM	636166	3542.49	13.565	14.19
256QAM	630500	3457.5	13.562	14.13
256QAM	633334	3500.01	13.559	14.16
256QAM	636166	3542.49	13.564	14.23



NR n77 (3450-3550 MHz) SCS 30 kHz, Channel Bandwidth: 20 MHz

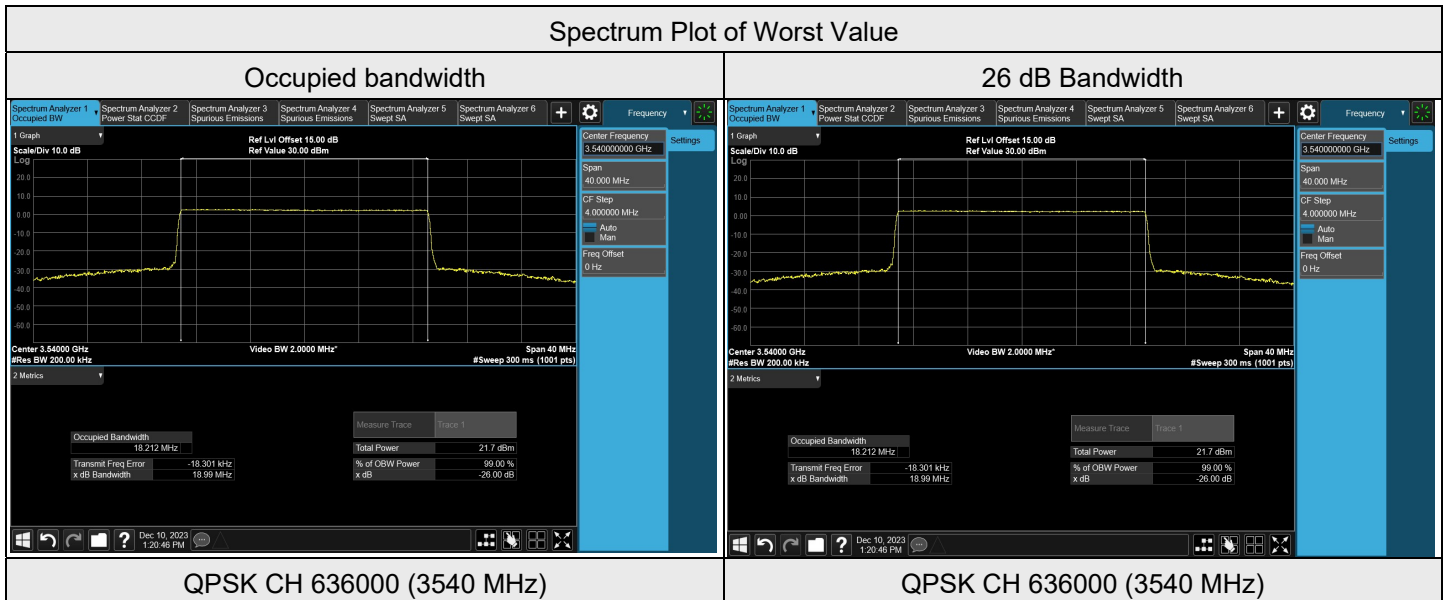
Chain 0

NR n77 SCS 30 kHz (3450-3550 MHz) 20M				
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	630668	3460.02	18.207	18.95
QPSK	633334	3500.01	18.206	18.96
QPSK	636000	3540	18.210	19.00
16QAM	630668	3460.02	18.206	18.96
16QAM	633334	3500.01	18.205	18.95
16QAM	636000	3540	18.205	18.95
64QAM	630668	3460.02	18.207	18.91
64QAM	633334	3500.01	18.199	18.96
64QAM	636000	3540	18.217	19.02
256QAM	630668	3460.02	18.223	18.94
256QAM	633334	3500.01	18.218	18.97
256QAM	636000	3540	18.218	18.93



Chain 1

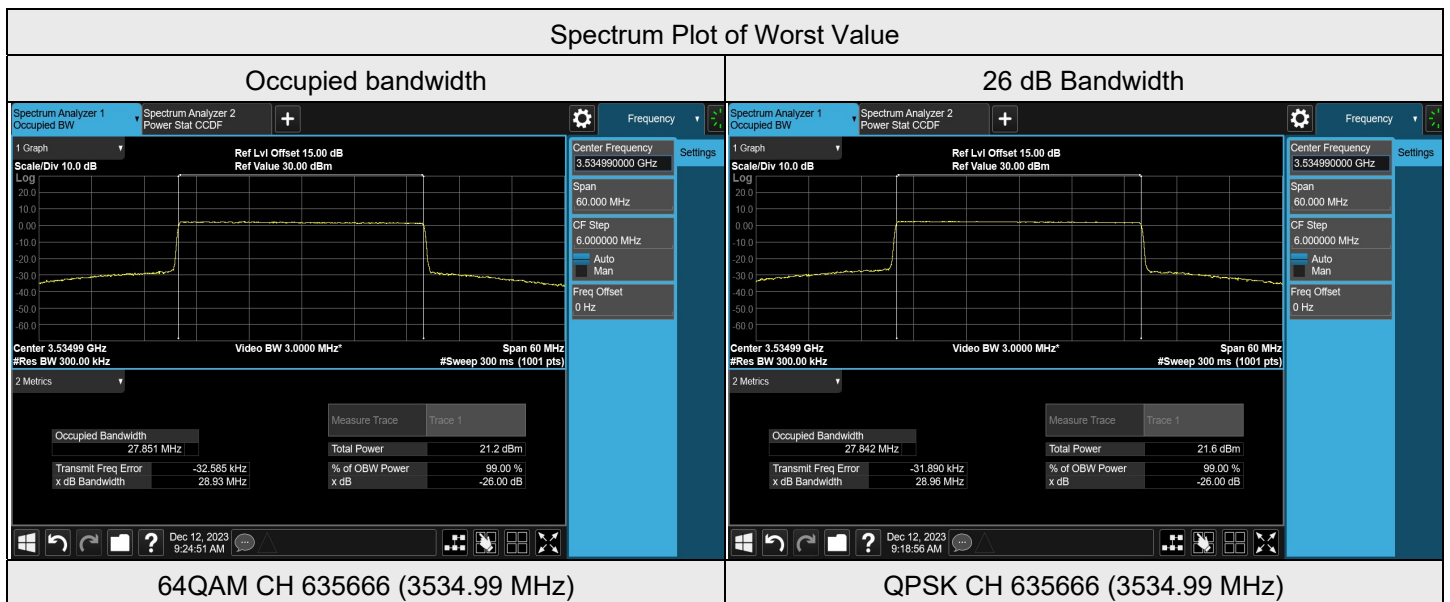
NR n77 SCS 30 kHz (3450-3550 MHz) 20M				
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	630668	3460.02	18.211	18.96
QPSK	633334	3500.01	18.200	18.97
QPSK	636000	3540	18.212	18.99
16QAM	630668	3460.02	18.198	18.93
16QAM	633334	3500.01	18.198	18.92
16QAM	636000	3540	18.205	18.95
64QAM	630668	3460.02	18.204	18.90
64QAM	633334	3500.01	18.197	18.93
64QAM	636000	3540	18.199	18.91
256QAM	630668	3460.02	18.208	18.95
256QAM	633334	3500.01	18.203	18.93
256QAM	636000	3540	18.202	18.90





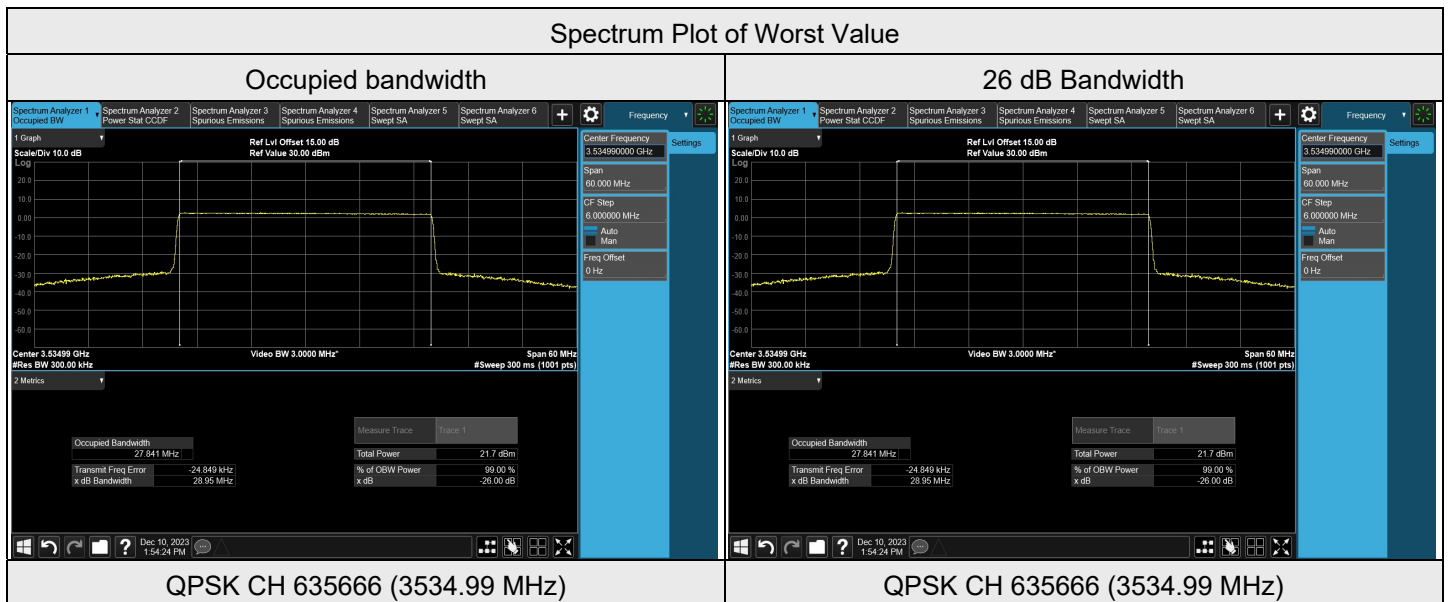
NR n77 (3450-3550 MHz) SCS 30 kHz, Channel Bandwidth: 30 MHz

NR n77 SCS 30 kHz (3450-3550 MHz) 30M				
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	631000	3465	27.836	28.96
QPSK	633334	3500.01	27.837	28.95
QPSK	635666	3534.99	27.842	28.96
16QAM	631000	3465	27.823	28.88
16QAM	633334	3500.01	27.832	28.88
16QAM	635666	3534.99	27.842	28.95
64QAM	631000	3465	27.830	28.84
64QAM	633334	3500.01	27.833	28.91
64QAM	635666	3534.99	27.851	28.93
256QAM	631000	3465	27.829	28.90
256QAM	633334	3500.01	27.825	28.88
256QAM	635666	3534.99	27.823	28.85



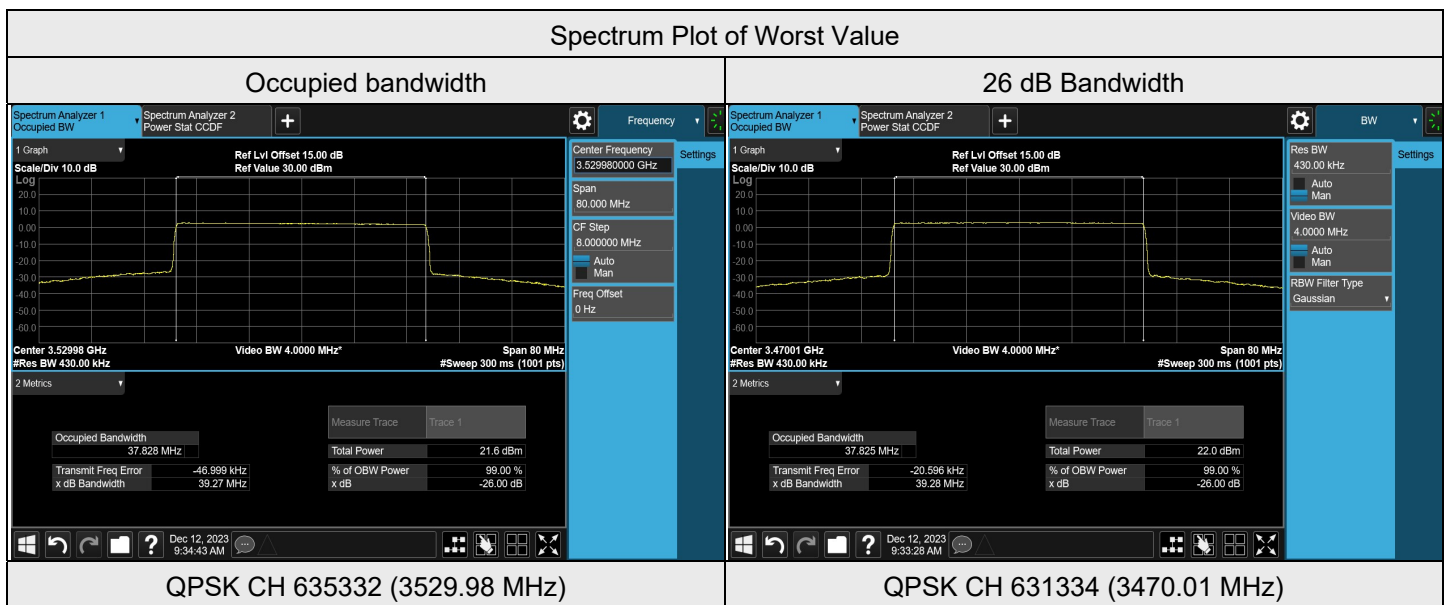
Chain 1

NR n77 SCS 30 kHz (3450-3550 MHz) 30M				
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	631000	3465	27.833	28.91
QPSK	633334	3500.01	27.834	28.93
QPSK	635666	3534.99	27.841	28.95
16QAM	631000	3465	27.817	28.88
16QAM	633334	3500.01	27.826	28.88
16QAM	635666	3534.99	27.817	28.88
64QAM	631000	3465	27.838	28.88
64QAM	633334	3500.01	27.821	28.87
64QAM	635666	3534.99	27.837	28.88
256QAM	631000	3465	27.826	28.86
256QAM	633334	3500.01	27.834	28.87
256QAM	635666	3534.99	27.834	28.86



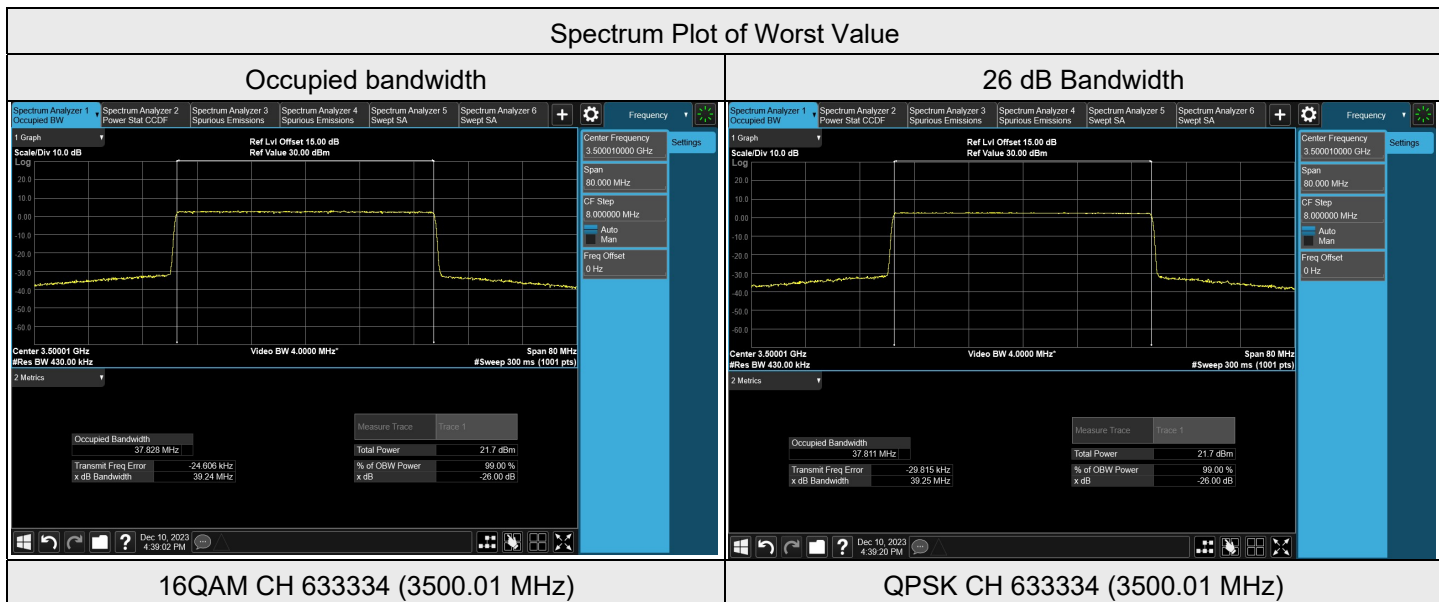
NR n77 (3450-3550 MHz) SCS 30 kHz, Channel Bandwidth: 40 MHz
Chain 0

NR n77 SCS 30 kHz (3450-3550 MHz) 40M				
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	631334	3470.01	37.825	39.28
QPSK	633334	3500.01	37.820	39.27
QPSK	635332	3529.98	37.828	39.27
16QAM	631334	3470.01	37.820	39.27
16QAM	633334	3500.01	37.814	39.24
16QAM	635332	3529.98	37.824	39.26
64QAM	631334	3470.01	37.814	39.26
64QAM	633334	3500.01	37.812	39.25
64QAM	635332	3529.98	37.813	39.23
256QAM	631334	3470.01	37.826	39.20
256QAM	633334	3500.01	37.810	39.23
256QAM	635332	3529.98	37.811	39.22



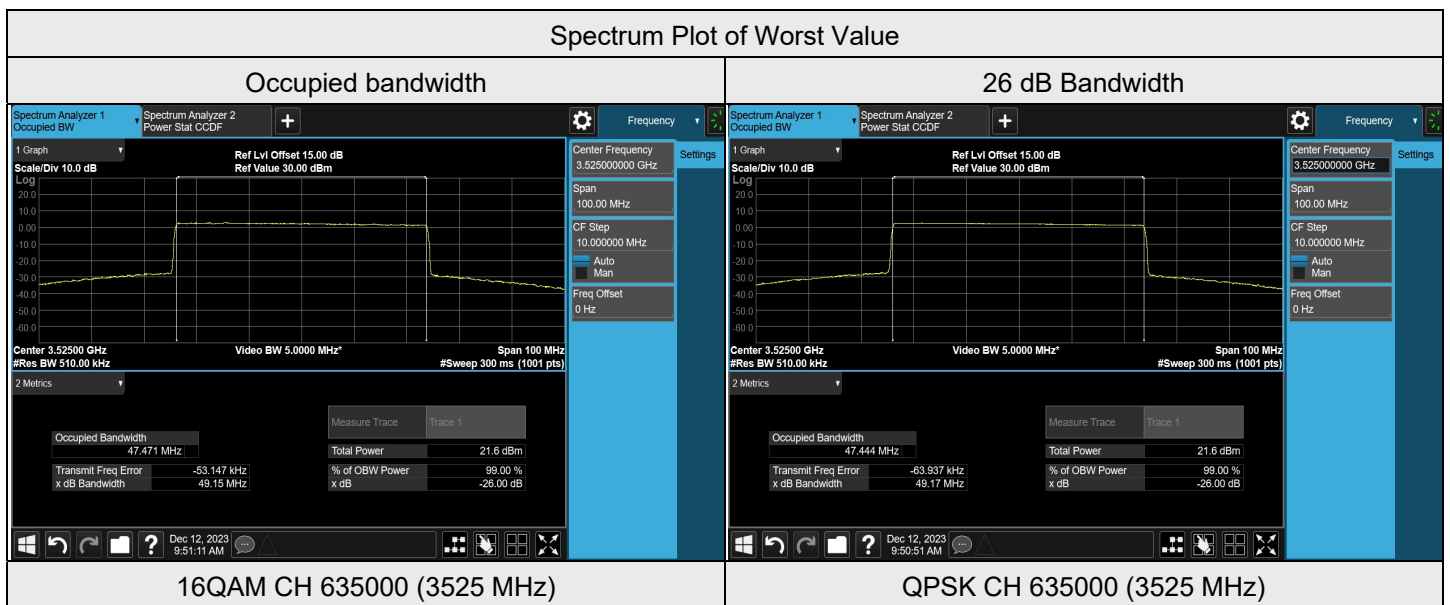
Chain 1

NR n77 SCS 30 kHz (3450-3550 MHz) 40M				
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	631334	3470.01	37.819	39.23
QPSK	633334	3500.01	37.811	39.25
QPSK	635332	3529.98	37.814	39.22
16QAM	631334	3470.01	37.811	39.23
16QAM	633334	3500.01	37.828	39.24
16QAM	635332	3529.98	37.825	39.24
64QAM	631334	3470.01	37.823	39.24
64QAM	633334	3500.01	37.810	39.21
64QAM	635332	3529.98	37.817	39.23
256QAM	631334	3470.01	37.797	39.22
256QAM	633334	3500.01	37.805	39.22
256QAM	635332	3529.98	37.820	39.22



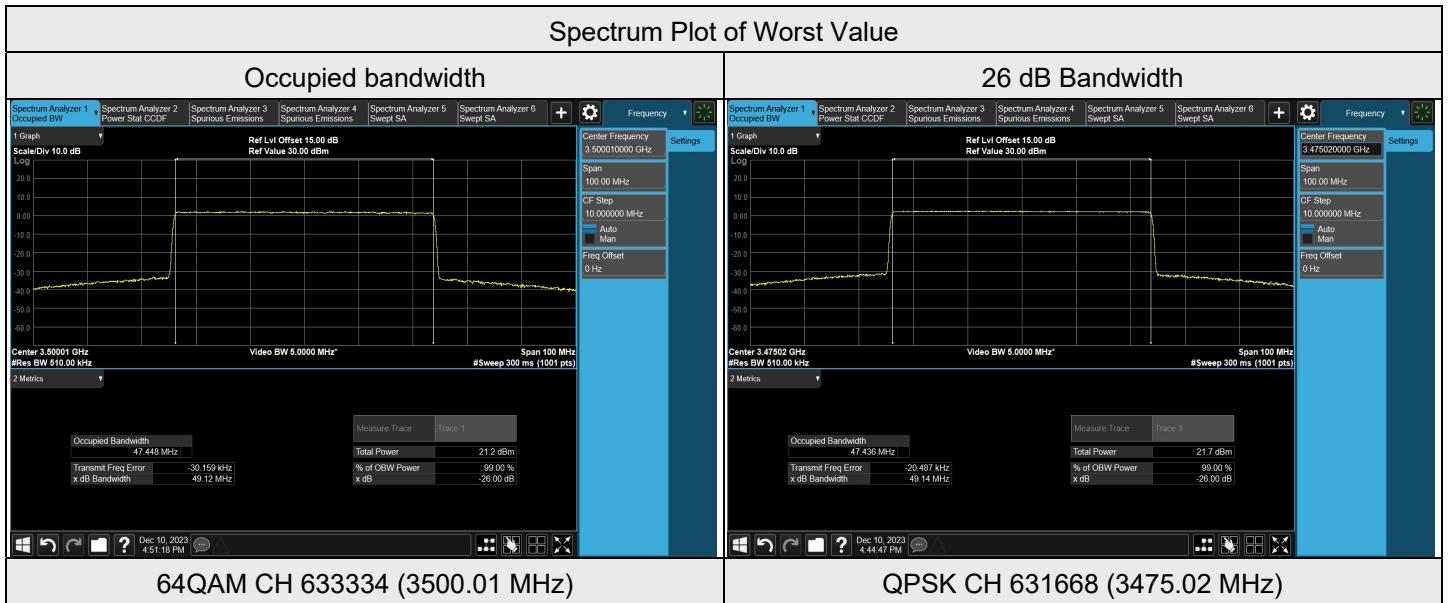
NR n77 (3450-3550 MHz) SCS 30 kHz, Channel Bandwidth: 50 MHz
Chain 0

NR n77 SCS 30 kHz (3450-3550 MHz) 50M				
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	631668	3475.02	47.440	49.17
QPSK	633334	3500.01	47.443	49.16
QPSK	635000	3525	47.444	49.17
16QAM	631668	3475.02	47.451	49.14
16QAM	633334	3500.01	47.447	49.14
16QAM	635000	3525	47.471	49.15
64QAM	631668	3475.02	47.443	49.14
64QAM	633334	3500.01	47.465	49.14
64QAM	635000	3525	47.468	49.15
256QAM	631668	3475.02	47.439	49.11
256QAM	633334	3500.01	47.409	49.12
256QAM	635000	3525	47.411	49.10



Chain 1

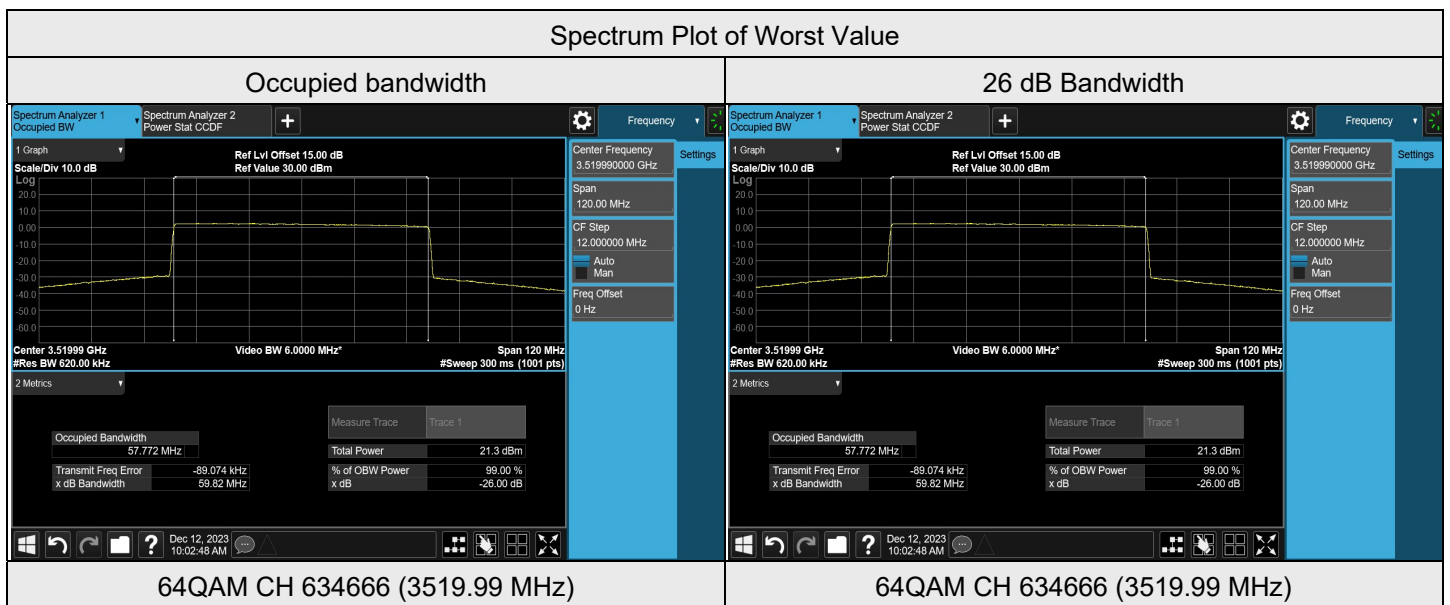
NR n77 SCS 30 kHz (3450-3550 MHz) 50M				
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	631668	3475.02	47.436	49.14
QPSK	633334	3500.01	47.420	49.13
QPSK	635000	3525	47.424	49.13
16QAM	631668	3475.02	47.434	49.10
16QAM	633334	3500.01	47.424	49.14
16QAM	635000	3525	47.419	49.12
64QAM	631668	3475.02	47.441	49.13
64QAM	633334	3500.01	47.448	49.12
64QAM	635000	3525	47.447	49.12
256QAM	631668	3475.02	47.435	49.11
256QAM	633334	3500.01	47.433	49.11
256QAM	635000	3525	47.425	49.10



NR n77 (3450-3550 MHz) SCS 30 kHz, Channel Bandwidth: 60 MHz

Chain 0

NR n77 SCS 30 kHz (3450-3550 MHz) 60M				
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	632000	3480	57.740	59.82
QPSK	633334	3500.01	57.728	59.82
QPSK	634666	3519.99	57.747	59.82
16QAM	632000	3480	57.736	59.81
16QAM	633334	3500.01	57.745	59.82
16QAM	634666	3519.99	57.740	59.82
64QAM	632000	3480	57.749	59.80
64QAM	633334	3500.01	57.737	59.80
64QAM	634666	3519.99	57.772	59.82
256QAM	632000	3480	57.737	59.81
256QAM	633334	3500.01	57.715	59.79
256QAM	634666	3519.99	57.721	59.79



Chain 1

NR n77 SCS 30 kHz (3450-3550 MHz) 60M				
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	632000	3480	57.742	59.80
QPSK	633334	3500.01	57.737	59.79
QPSK	634666	3519.99	57.734	59.79
16QAM	632000	3480	57.771	59.81
16QAM	633334	3500.01	57.759	59.80
16QAM	634666	3519.99	57.757	59.78
64QAM	632000	3480	57.753	59.79
64QAM	633334	3500.01	57.749	59.79
64QAM	634666	3519.99	57.732	59.79
256QAM	632000	3480	57.751	59.77
256QAM	633334	3500.01	57.729	59.77
256QAM	634666	3519.99	57.738	59.77

