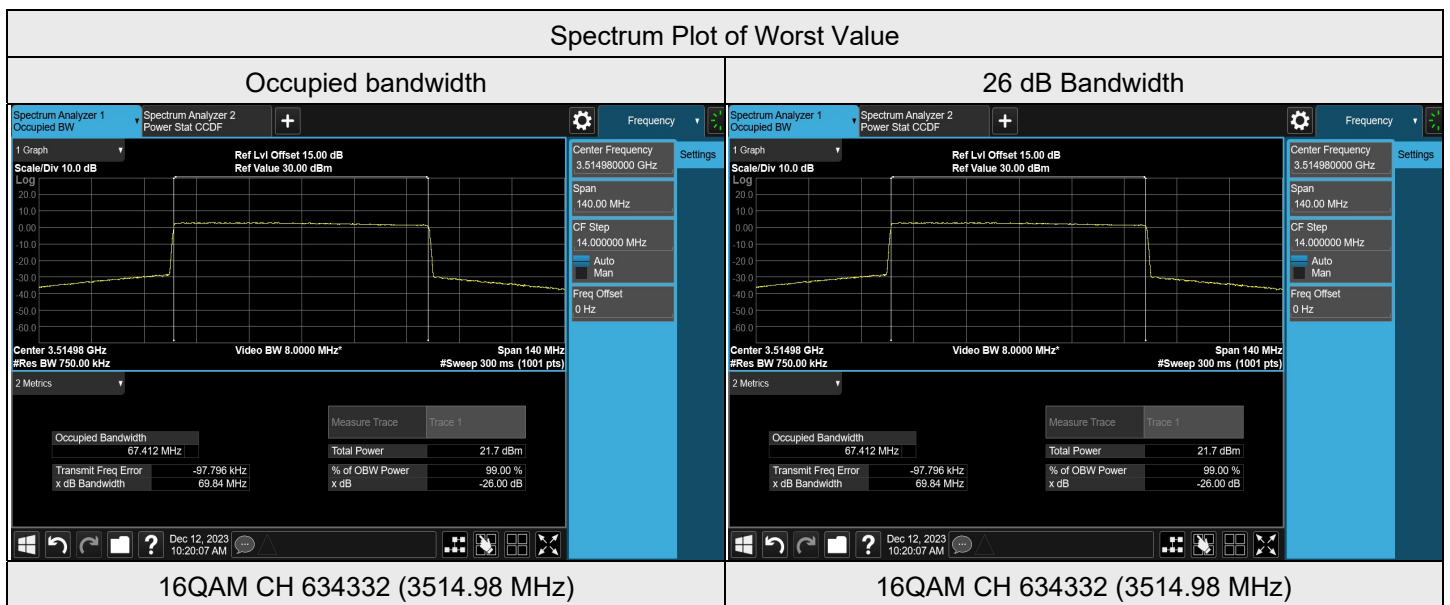


NR n77 (3450-3550 MHz) SCS 30 kHz, Channel Bandwidth: 70 MHz

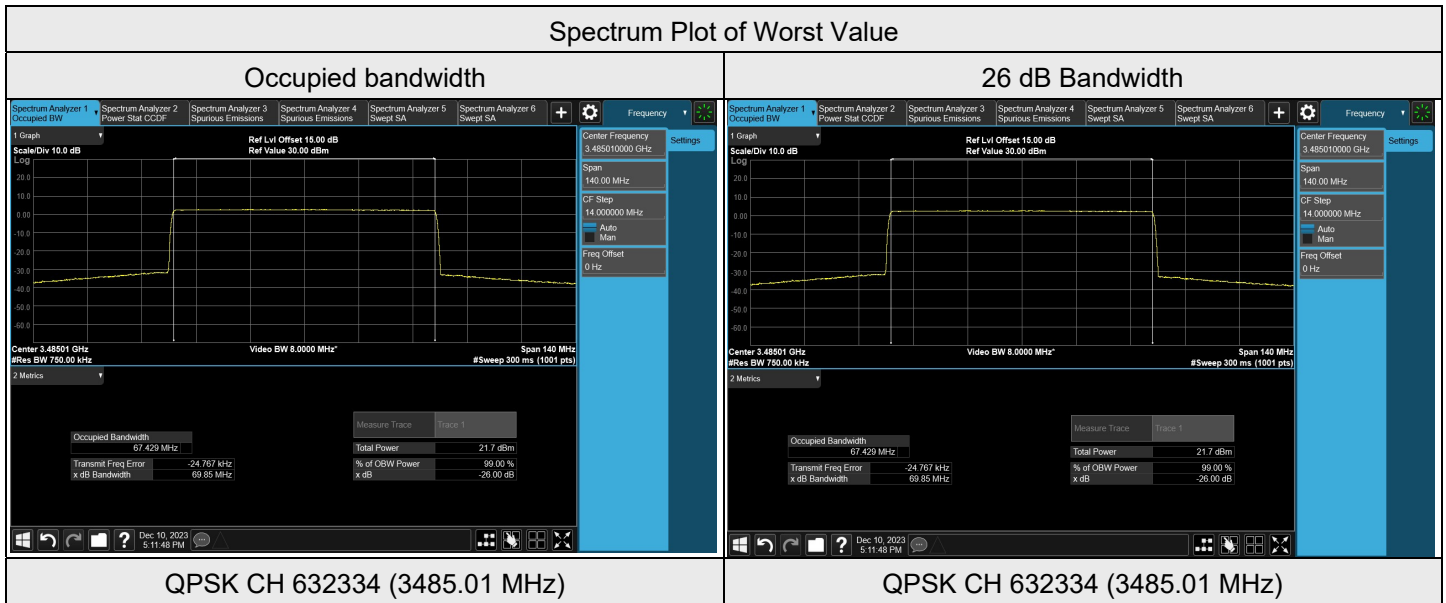
Chain 0

NR n77 SCS 30 kHz (3450-3550 MHz) 70M				
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	632334	3485.01	67.378	69.83
QPSK	633334	3500.01	67.372	69.83
QPSK	634332	3514.98	67.374	69.83
16QAM	632334	3485.01	67.387	69.82
16QAM	633334	3500.01	67.394	69.84
16QAM	634332	3514.98	67.412	69.84
64QAM	632334	3485.01	67.378	69.83
64QAM	633334	3500.01	67.383	69.84
64QAM	634332	3514.98	67.376	69.82
256QAM	632334	3485.01	67.374	69.83
256QAM	633334	3500.01	67.353	69.79
256QAM	634332	3514.98	67.363	69.79



Chain 1

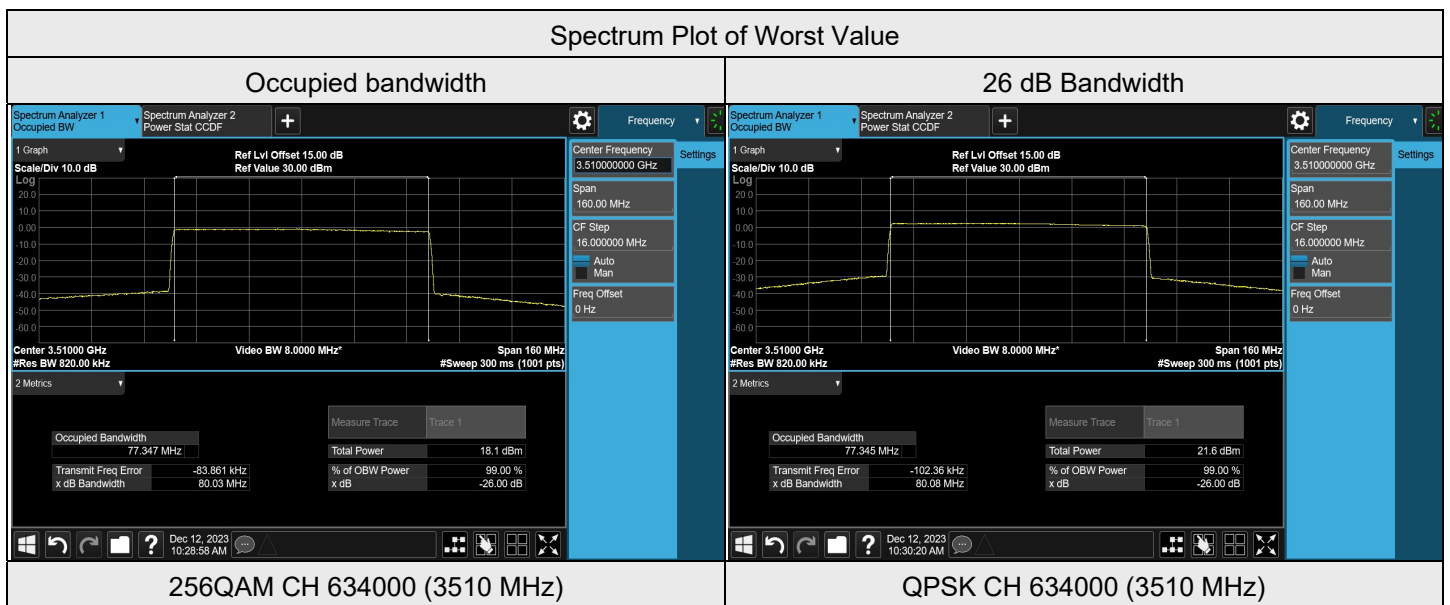
NR n77 SCS 30 kHz (3450-3550 MHz) 70M				
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	632334	3485.01	67.429	69.85
QPSK	633334	3500.01	67.418	69.84
QPSK	634332	3514.98	67.401	69.84
16QAM	632334	3485.01	67.390	69.81
16QAM	633334	3500.01	67.394	69.84
16QAM	634332	3514.98	67.382	69.83
64QAM	632334	3485.01	67.420	69.79
64QAM	633334	3500.01	67.382	69.80
64QAM	634332	3514.98	67.411	69.80
256QAM	632334	3485.01	67.419	69.83
256QAM	633334	3500.01	67.398	69.84
256QAM	634332	3514.98	67.402	69.82



NR n77 (3450-3550 MHz) SCS 30 kHz, Channel Bandwidth: 80 MHz

Chain 0

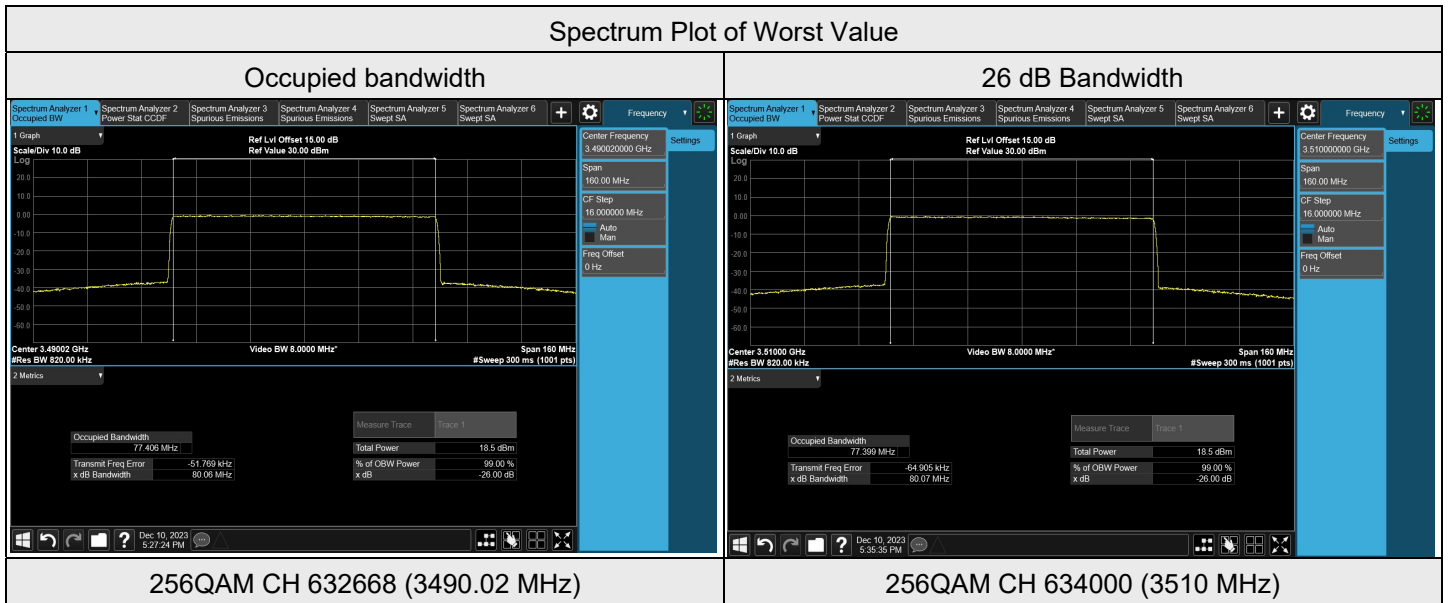
NR n77 SCS 30 kHz (3450-3550 MHz) 80M				
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	632668	3490.02	77.333	80.06
QPSK	633334	3500.01	77.336	80.08
QPSK	634000	3510	77.345	80.08
16QAM	632668	3490.02	77.318	80.06
16QAM	633334	3500.01	77.317	80.06
16QAM	634000	3510	77.334	80.06
64QAM	632668	3490.02	77.321	80.07
64QAM	633334	3500.01	77.342	80.07
64QAM	634000	3510	77.338	80.08
256QAM	632668	3490.02	77.332	80.04
256QAM	633334	3500.01	77.331	80.04
256QAM	634000	3510	77.347	80.03





Chain 1

NR n77 SCS 30 kHz (3450-3550 MHz) 80M				
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	632668	3490.02	77.383	80.07
QPSK	633334	3500.01	77.386	80.06
QPSK	634000	3510	77.374	80.07
16QAM	632668	3490.02	77.402	80.05
16QAM	633334	3500.01	77.386	80.06
16QAM	634000	3510	77.378	80.05
64QAM	632668	3490.02	77.382	80.07
64QAM	633334	3500.01	77.392	80.06
64QAM	634000	3510	77.373	80.06
256QAM	632668	3490.02	77.406	80.06
256QAM	633334	3500.01	77.396	80.05
256QAM	634000	3510	77.399	80.07

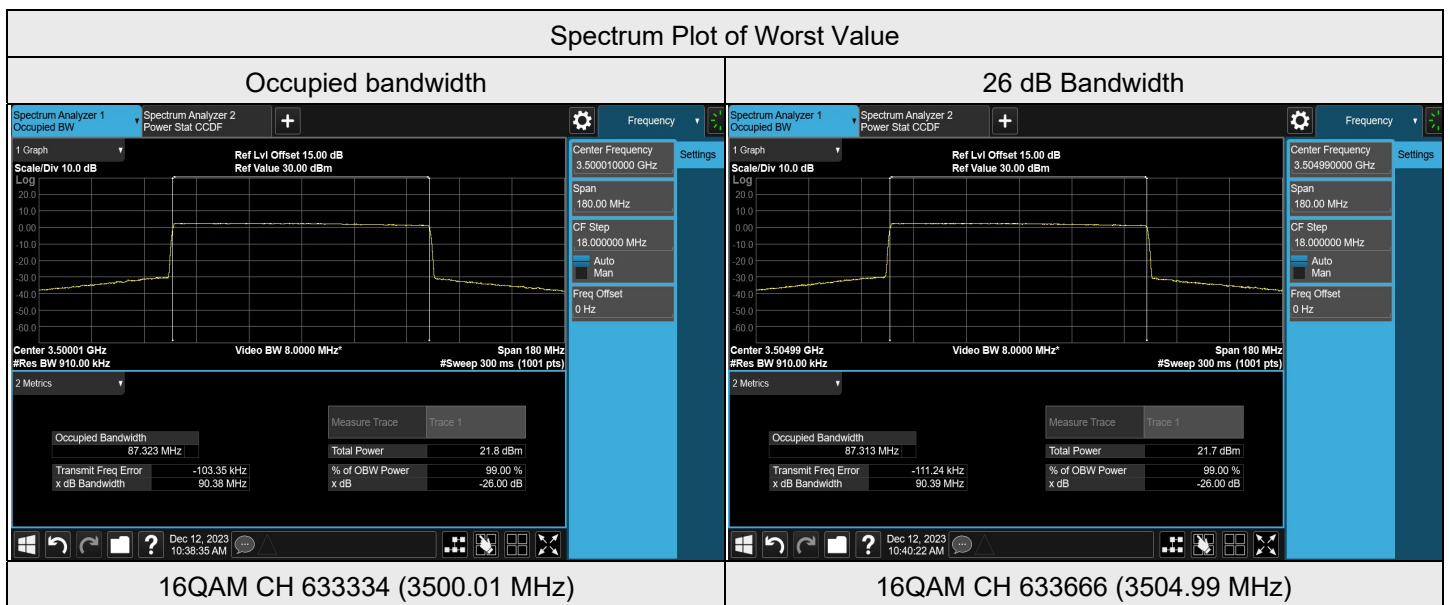




NR n77 (3450-3550 MHz) SCS 30 kHz, Channel Bandwidth: 90 MHz

Chain 0

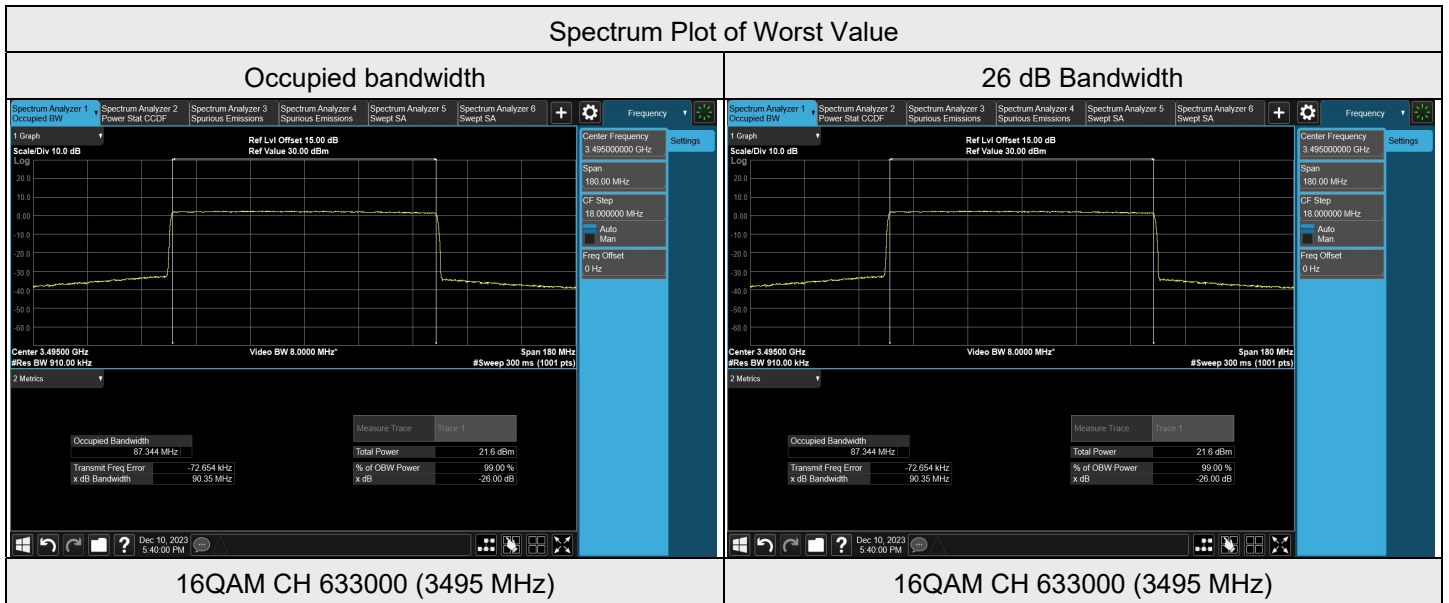
NR n77 SCS 30 kHz (3450-3550 MHz) 90M				
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	633000	3495	87.305	90.37
QPSK	633334	3500.01	87.302	90.37
QPSK	633666	3504.99	87.309	90.37
16QAM	633000	3495	87.317	90.38
16QAM	633334	3500.01	87.323	90.38
16QAM	633666	3504.99	87.313	90.39
64QAM	633000	3495	87.293	90.32
64QAM	633334	3500.01	87.283	90.33
64QAM	633666	3504.99	87.295	90.36
256QAM	633000	3495	87.284	90.34
256QAM	633334	3500.01	87.304	90.32
256QAM	633666	3504.99	87.283	90.31





Chain 1

NR n77 SCS 30 kHz (3450-3550 MHz) 90M				
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	633000	3495	87.312	90.35
QPSK	633334	3500.01	87.313	90.33
QPSK	633666	3504.99	87.314	90.33
16QAM	633000	3495	87.344	90.35
16QAM	633334	3500.01	87.339	90.33
16QAM	633666	3504.99	87.319	90.33
64QAM	633000	3495	87.317	90.33
64QAM	633334	3500.01	87.320	90.34
64QAM	633666	3504.99	87.300	90.32
256QAM	633000	3495	87.303	90.33
256QAM	633334	3500.01	87.294	90.32
256QAM	633666	3504.99	87.321	90.32

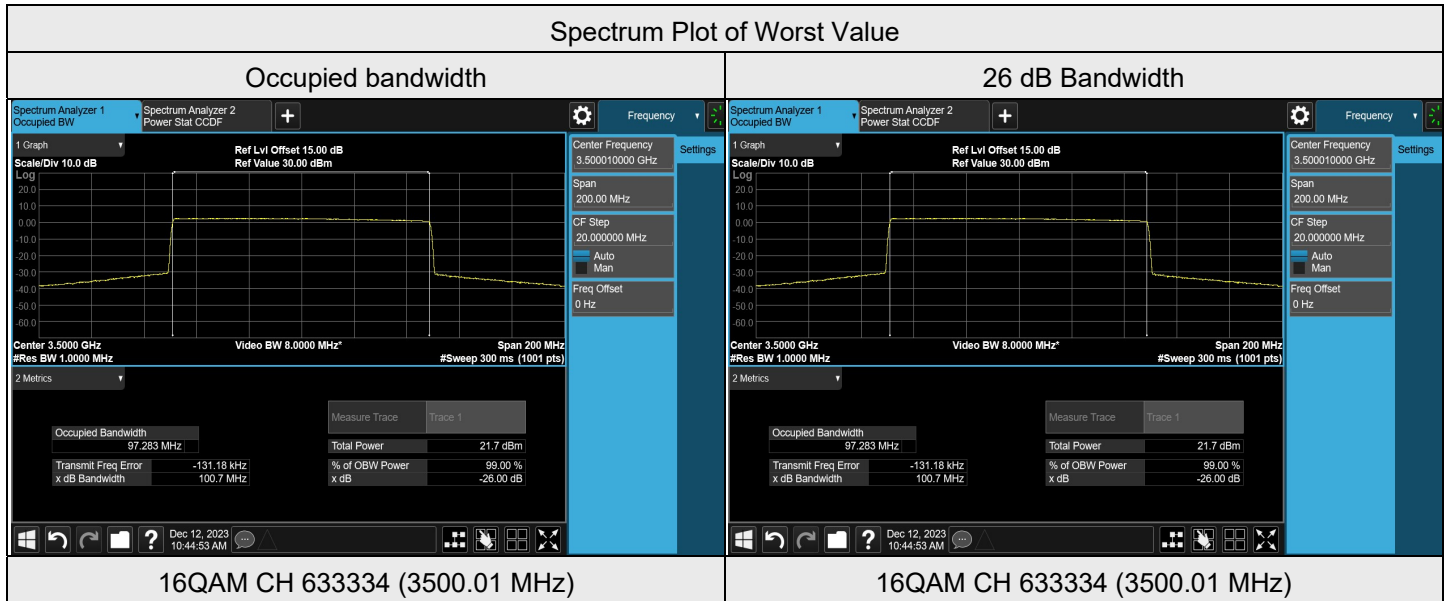




NR n77 (3450-3550 MHz) SCS 30 kHz, Channel Bandwidth: 100 MHz

Chain 0

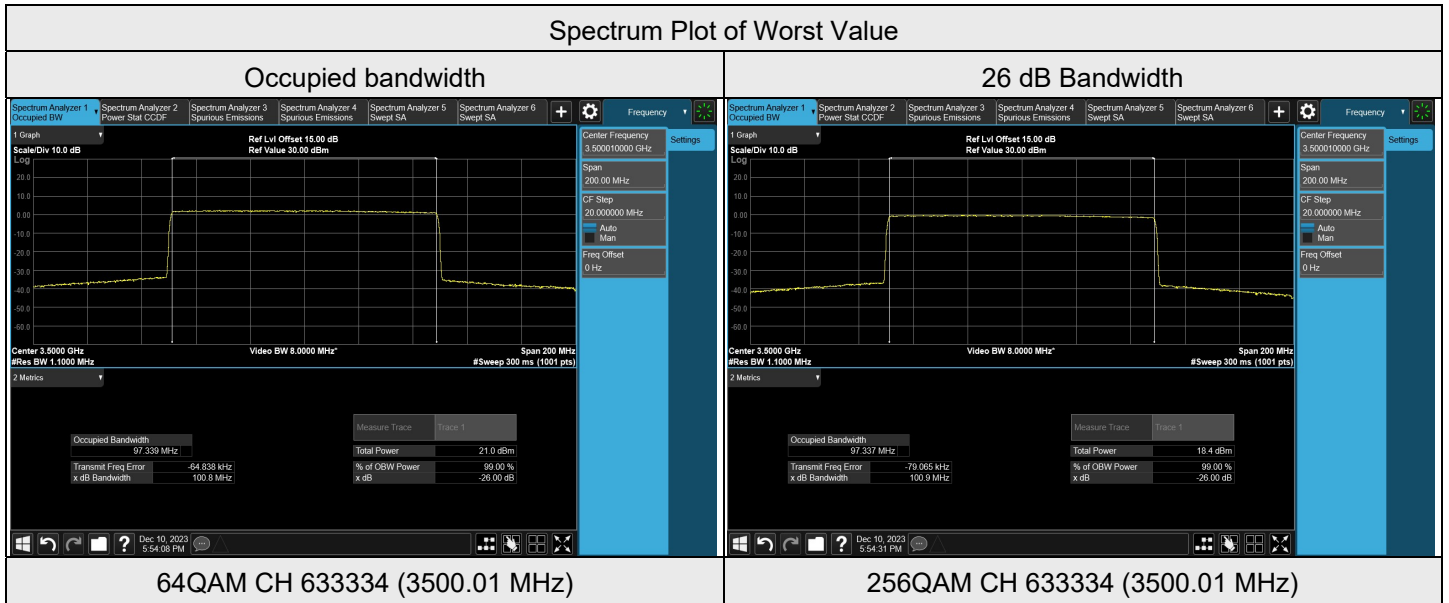
NR n77 SCS 30 kHz (3450-3550 MHz) 100M				
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	633334	3500.01	97.270	100.7
16QAM	633334	3500.01	97.283	100.7
64QAM	633334	3500.01	97.258	100.6
256QAM	633334	3500.01	97.249	100.6





Chain 1

NR n77 SCS 30 kHz (3450-3550 MHz) 100M				
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	633334	3500.01	97.294	100.9
16QAM	633334	3500.01	97.293	100.8
64QAM	633334	3500.01	97.339	100.8
256QAM	633334	3500.01	97.337	100.9

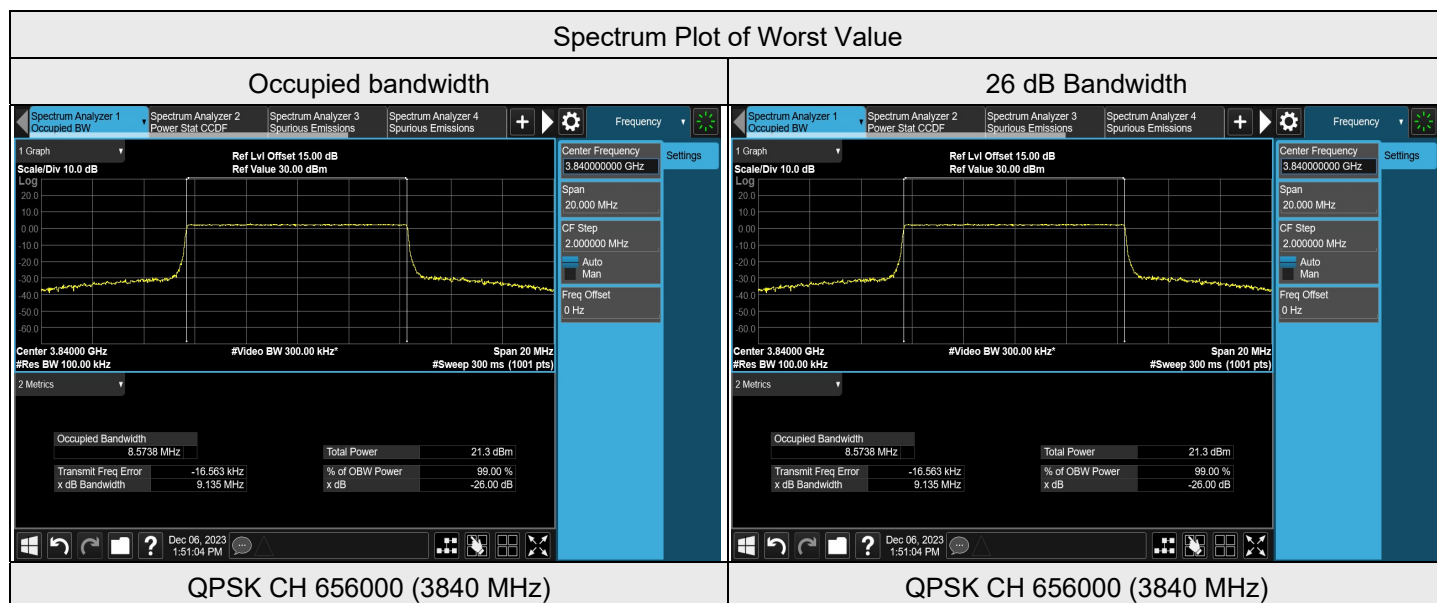


7.4.7 NR n77 (3700-3980 MHz) SCS 30 kHz

NR n77 (3700-3980 MHz) SCS 30 kHz, Channel Bandwidth: 10 MHz

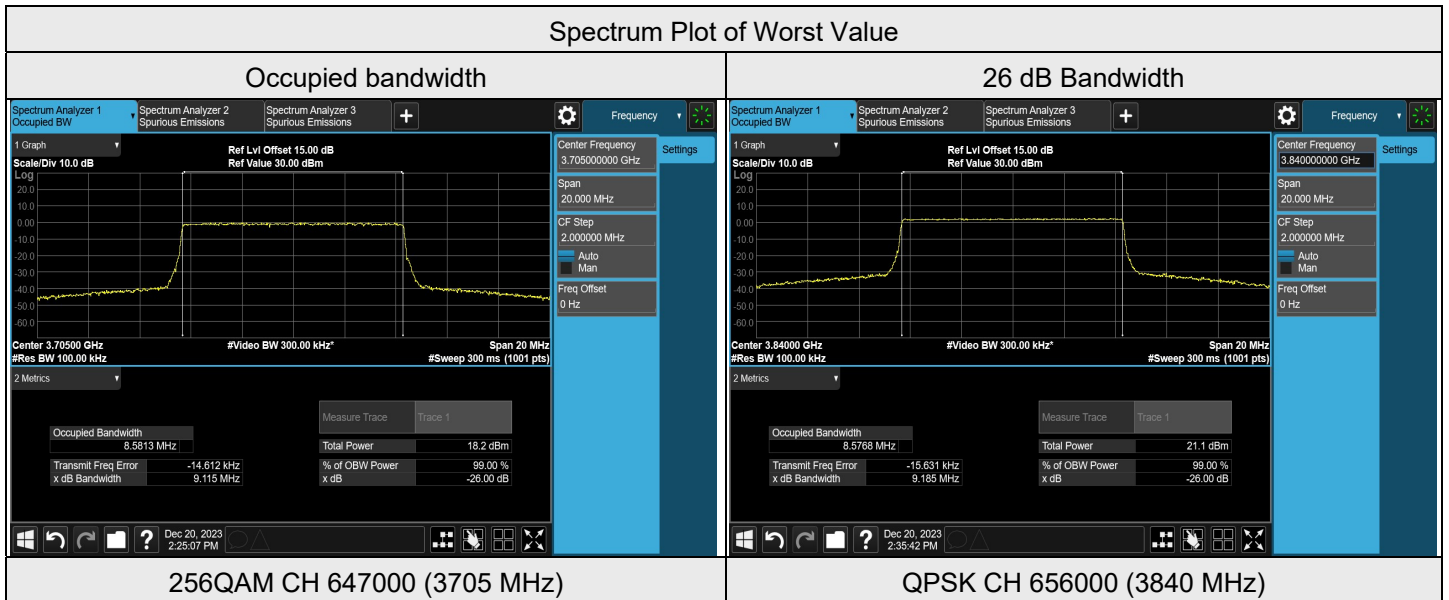
Chain 0

NR n77 SCS 30 kHz (3700-3980 MHz) 10M				
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	647000	3705	8.5675	9.133
QPSK	656000	3840	8.5738	9.135
QPSK	665000	3975	8.5725	9.132
16QAM	647000	3705	8.5714	9.097
16QAM	656000	3840	8.5685	9.098
16QAM	665000	3975	8.5639	9.088
64QAM	647000	3705	8.5698	9.025
64QAM	656000	3840	8.5695	9.081
64QAM	665000	3975	8.5669	9.039
256QAM	647000	3705	8.5658	9.054
256QAM	656000	3840	8.5646	9.102
256QAM	665000	3975	8.5679	9.036



Chain 1

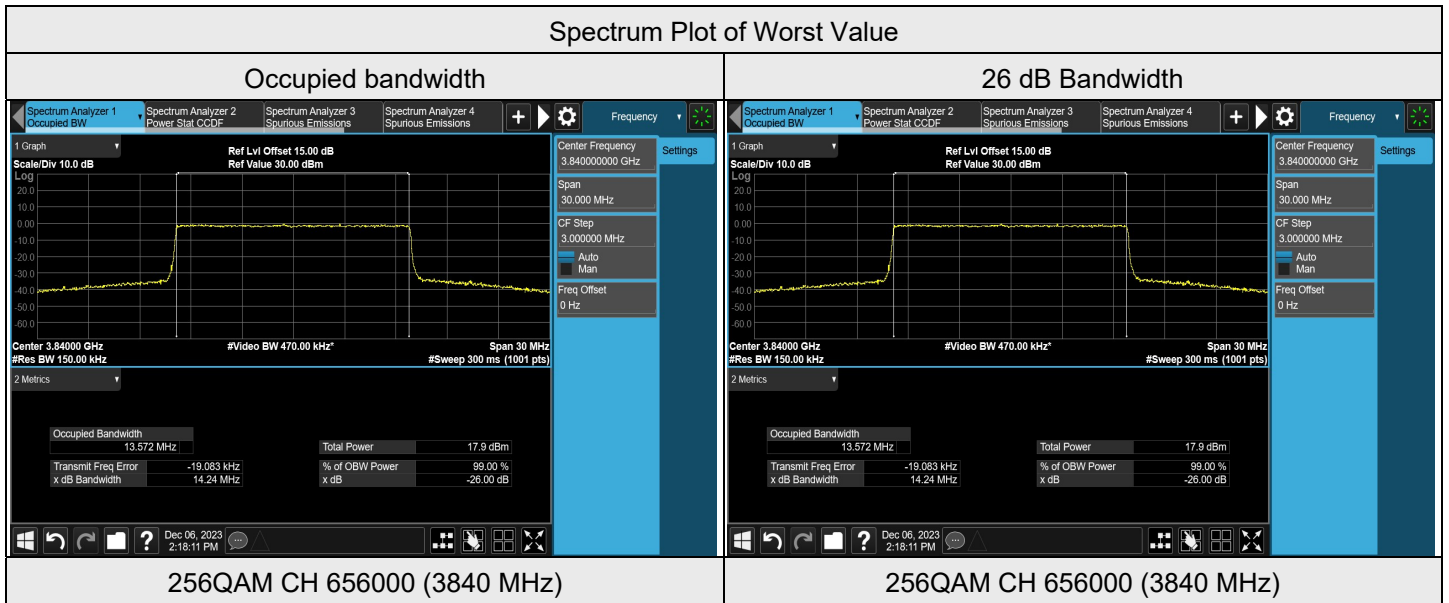
NR n77 SCS 30 kHz (3700-3800 MHz) 10M				
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	647000	3705	8.5764	9.163
QPSK	656000	3840	8.5768	9.185
QPSK	665000	3975	8.5775	9.175
16QAM	647000	3705	8.5622	9.101
16QAM	656000	3840	8.5721	9.119
16QAM	665000	3975	8.5697	9.099
64QAM	647000	3705	8.5698	9.116
64QAM	656000	3840	8.5648	9.103
64QAM	665000	3975	8.5593	9.024
256QAM	647000	3705	8.5813	9.115
256QAM	656000	3840	8.5654	9.129
256QAM	665000	3975	8.5749	9.076



NR n77 (3700-3980 MHz) SCS 30 kHz, Channel Bandwidth: 15 MHz

Chain 0

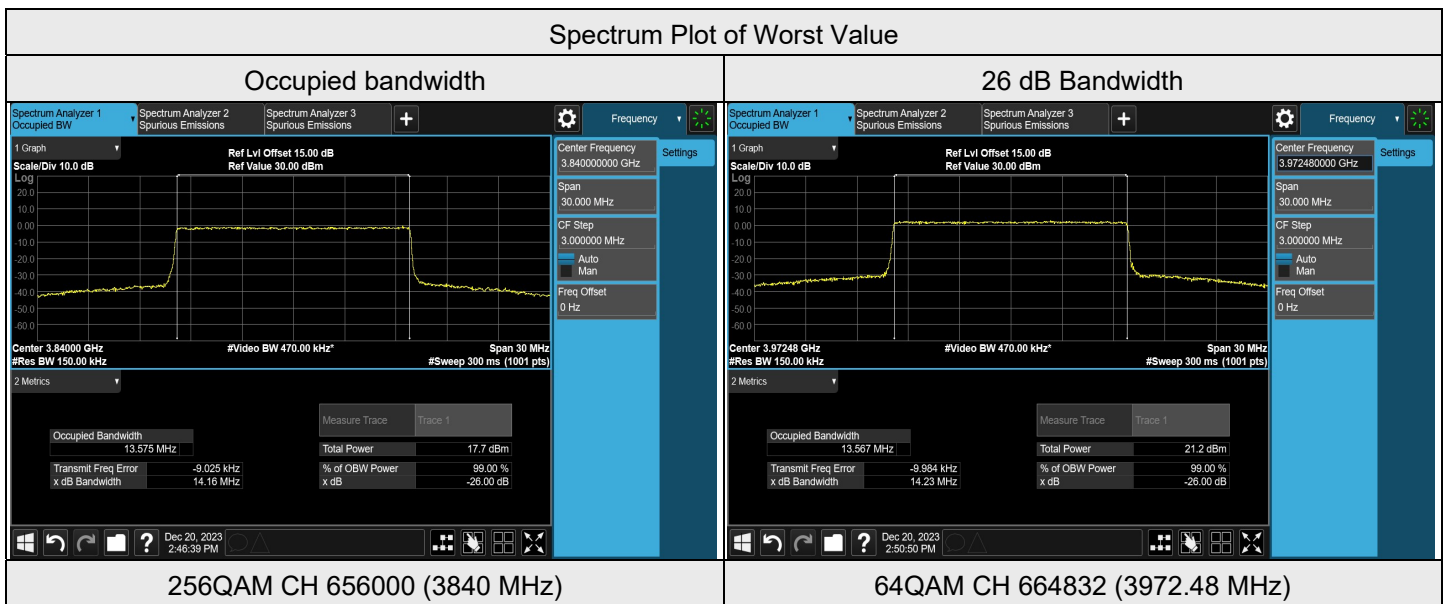
NR n77 SCS 30 kHz (3700-3800 MHz) 15M				
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	647168	3707.52	13.568	14.17
QPSK	656000	3840	13.565	14.18
QPSK	664832	3972.48	13.567	14.18
16QAM	647168	3707.52	13.565	14.14
16QAM	656000	3840	13.559	14.17
16QAM	664832	3972.48	13.554	14.08
64QAM	647168	3707.52	13.565	14.17
64QAM	656000	3840	13.568	14.17
64QAM	664832	3972.48	13.564	14.20
256QAM	647168	3707.52	13.556	14.16
256QAM	656000	3840	13.572	14.24
256QAM	664832	3972.48	13.562	14.16





Chain 1

NR n77 SCS 30 kHz (3700-3800 MHz) 15M				
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	647168	3707.52	13.560	14.17
QPSK	656000	3840	13.564	14.20
QPSK	664832	3972.48	13.565	14.21
16QAM	647168	3707.52	13.566	14.21
16QAM	656000	3840	13.565	14.23
16QAM	664832	3972.48	13.566	14.17
64QAM	647168	3707.52	13.571	14.20
64QAM	656000	3840	13.571	14.20
64QAM	664832	3972.48	13.567	14.23
256QAM	647168	3707.52	13.570	14.14
256QAM	656000	3840	13.575	14.16
256QAM	664832	3972.48	13.574	14.20

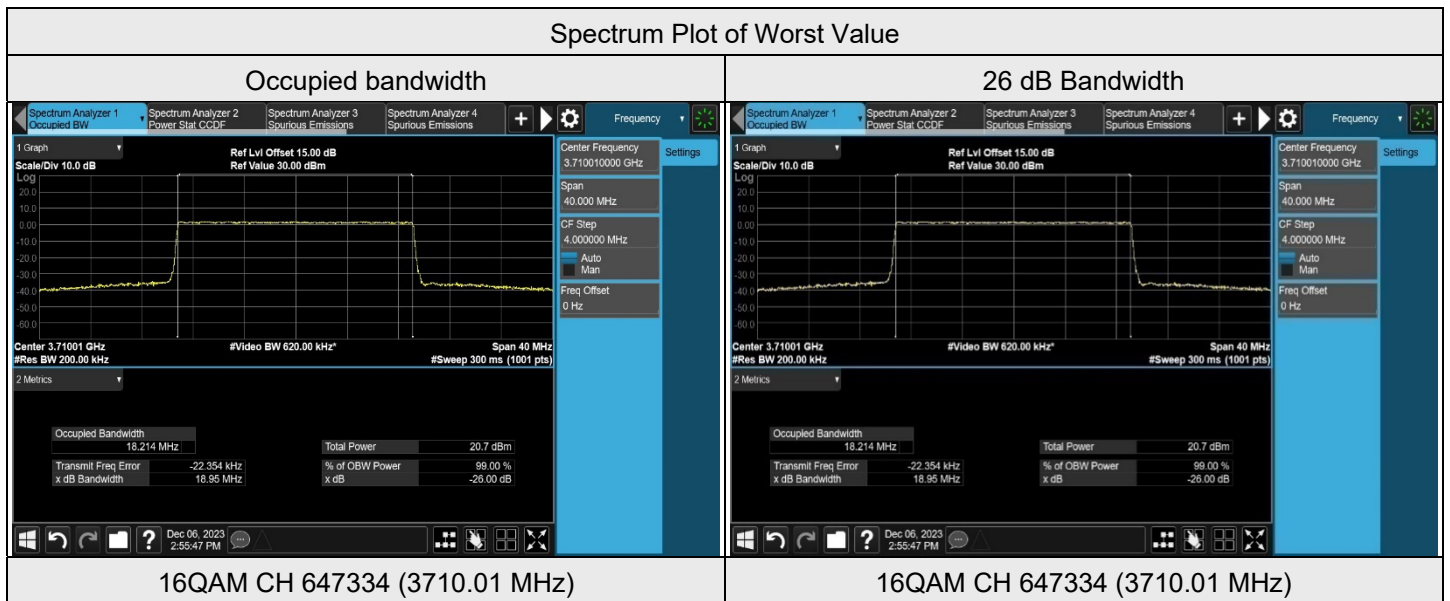




NR n77 (3700-3980 MHz) SCS 30 kHz, Channel Bandwidth: 20 MHz

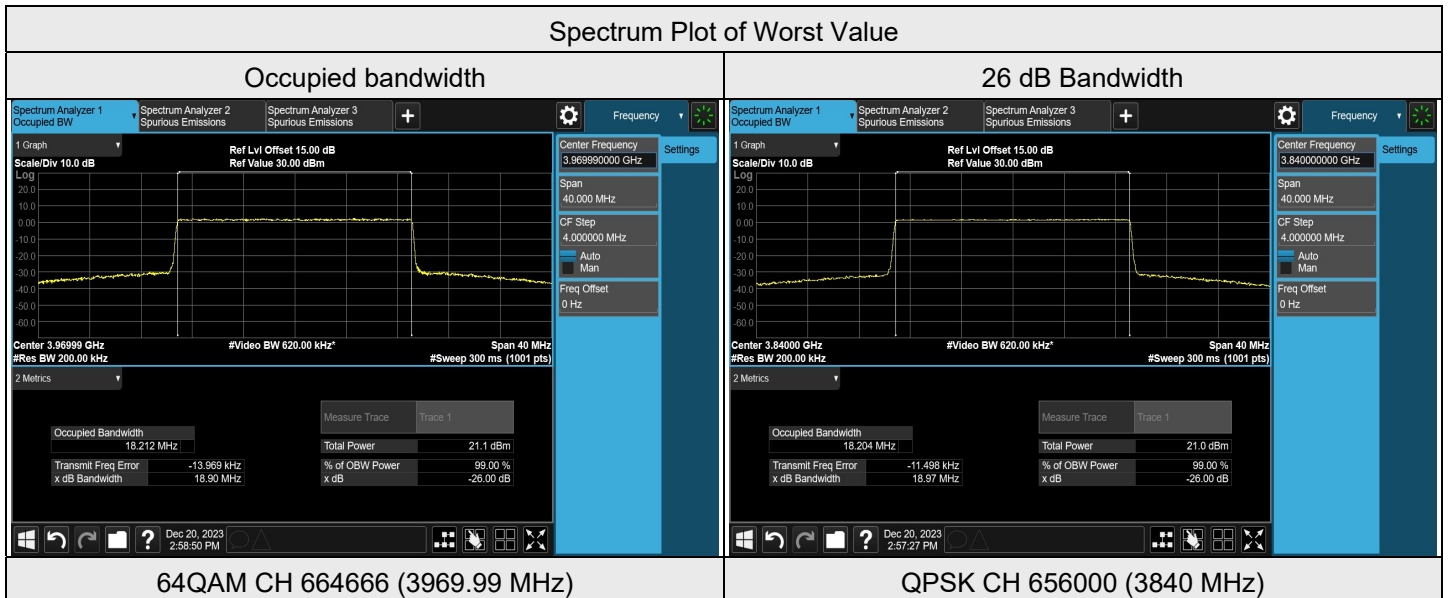
Chain 0

NR n77 SCS 30 kHz (3700-3800 MHz) 20M				
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	647334	3710.01	18.199	18.91
QPSK	656000	3840	18.205	18.94
QPSK	664666	3969.99	18.199	18.93
16QAM	647334	3710.01	18.214	18.95
16QAM	656000	3840	18.191	18.94
16QAM	664666	3969.99	18.211	18.93
64QAM	647334	3710.01	18.190	18.90
64QAM	656000	3840	18.213	18.94
64QAM	664666	3969.99	18.198	18.90
256QAM	647334	3710.01	18.197	18.91
256QAM	656000	3840	18.199	18.93
256QAM	664666	3969.99	18.208	18.92



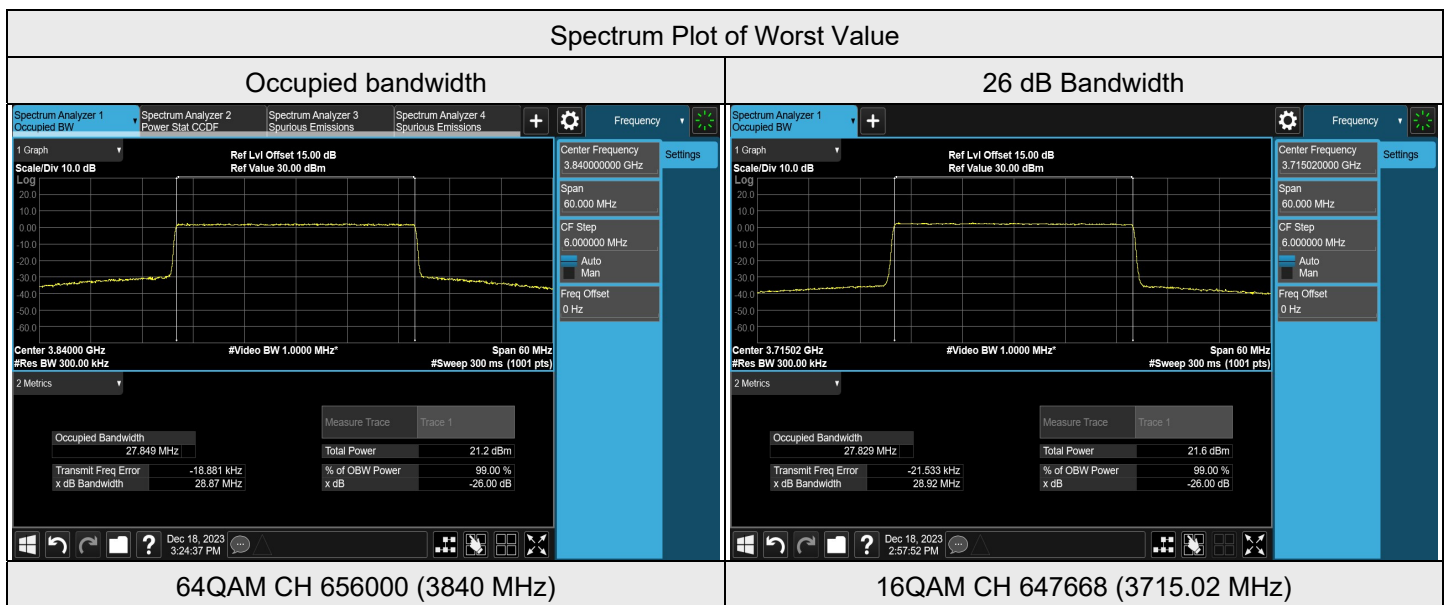
Chain 1

NR n77 SCS 30 kHz (3700-3800 MHz) 20M				
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	647334	3710.01	18.199	18.94
QPSK	656000	3840	18.204	18.97
QPSK	664666	3969.99	18.202	18.92
16QAM	647334	3710.01	18.187	18.92
16QAM	656000	3840	18.197	18.93
16QAM	664666	3969.99	18.198	18.95
64QAM	647334	3710.01	18.205	18.91
64QAM	656000	3840	18.202	18.91
64QAM	664666	3969.99	18.212	18.90
256QAM	647334	3710.01	18.199	18.91
256QAM	656000	3840	18.191	18.90
256QAM	664666	3969.99	18.202	18.92



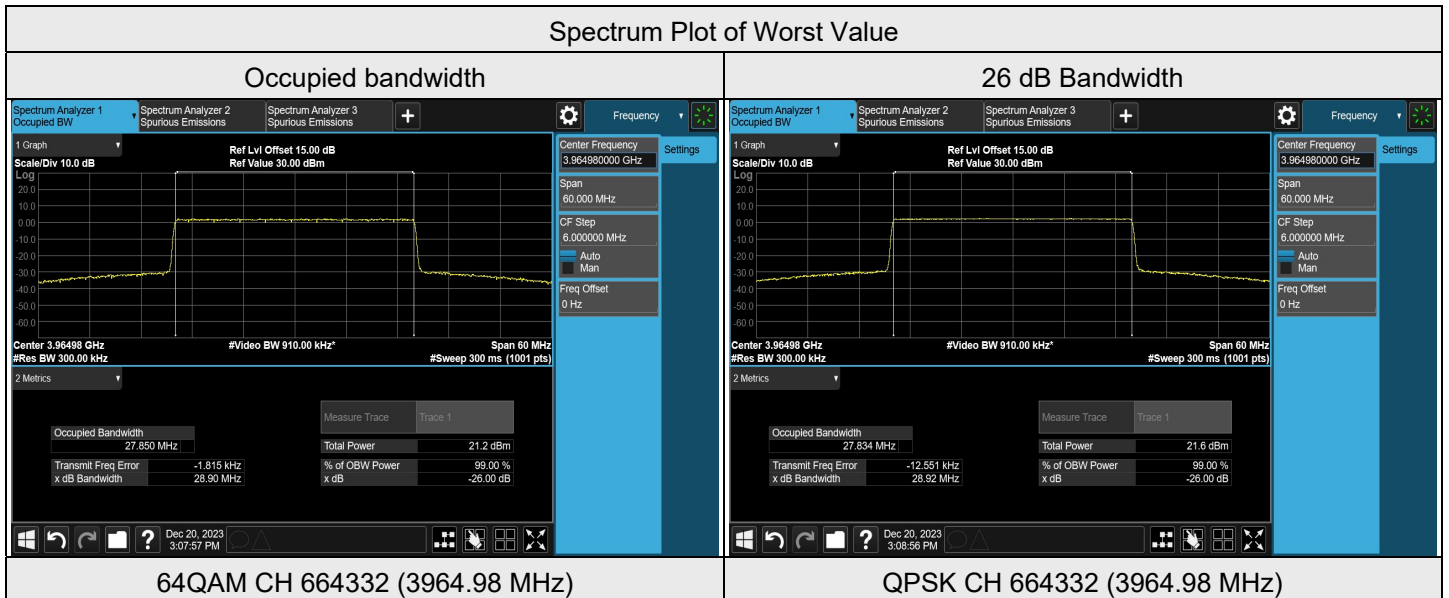
NR n77 (3700-3980 MHz) SCS 30 kHz, Channel Bandwidth: 30 MHz
Chain 0

NR n77 SCS 30 kHz (3700-3800 MHz) 30M				
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	647668	3715.02	27.826	28.89
QPSK	656000	3840	27.830	28.90
QPSK	664332	3964.98	27.838	28.88
16QAM	647668	3715.02	27.829	28.92
16QAM	656000	3840	27.832	28.86
16QAM	664332	3964.98	27.834	28.88
64QAM	647668	3715.02	27.828	28.90
64QAM	656000	3840	27.849	28.87
64QAM	664332	3964.98	27.833	28.90
256QAM	647668	3715.02	27.824	28.87
256QAM	656000	3840	27.831	28.89
256QAM	664332	3964.98	27.830	28.91



Chain 1

NR n77 SCS 30 kHz (3700-3800 MHz) 30M				
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	647668	3715.02	27.819	28.87
QPSK	656000	3840	27.825	28.89
QPSK	664332	3964.98	27.834	28.92
16QAM	647668	3715.02	27.829	28.85
16QAM	656000	3840	27.838	28.87
16QAM	664332	3964.98	27.842	28.88
64QAM	647668	3715.02	27.828	28.87
64QAM	656000	3840	27.832	28.88
64QAM	664332	3964.98	27.850	28.90
256QAM	647668	3715.02	27.836	28.86
256QAM	656000	3840	27.841	28.87
256QAM	664332	3964.98	27.848	28.86

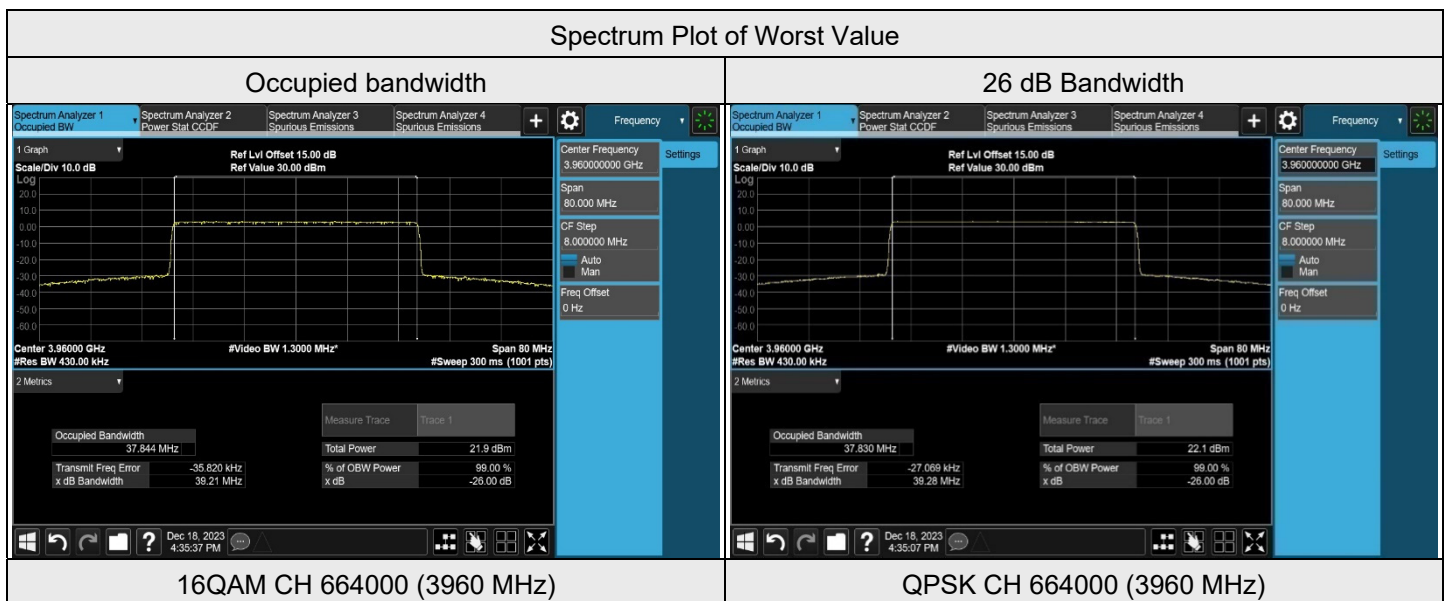




NR n77 (3700-3980 MHz) SCS 30 kHz, Channel Bandwidth: 40 MHz

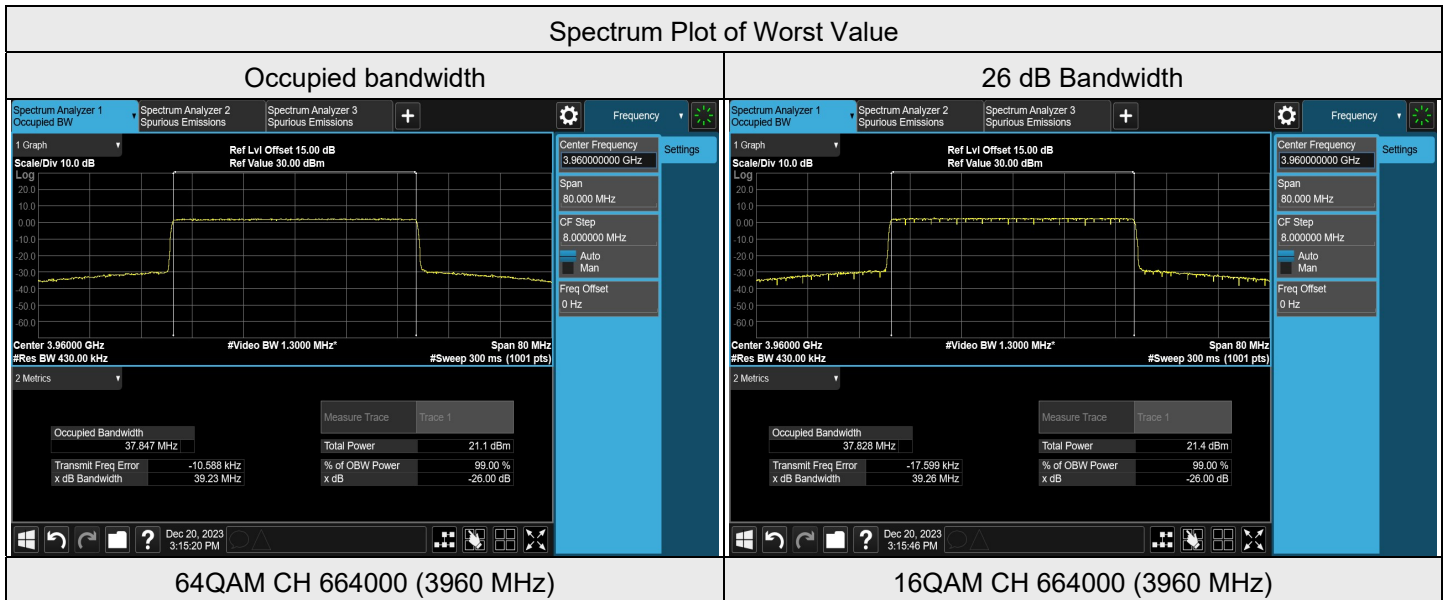
Chain 0

NR n77 SCS 30 kHz (3700-3800 MHz) 40M				
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	648000	3720	37.811	39.23
QPSK	656000	3840	37.830	39.26
QPSK	664000	3960	37.830	39.28
16QAM	648000	3720	37.803	39.21
16QAM	656000	3840	37.800	39.24
16QAM	664000	3960	37.844	39.21
64QAM	648000	3720	37.792	39.18
64QAM	656000	3840	37.821	39.23
64QAM	664000	3960	37.820	39.20
256QAM	648000	3720	37.796	39.21
256QAM	656000	3840	37.794	39.22
256QAM	664000	3960	37.812	39.23



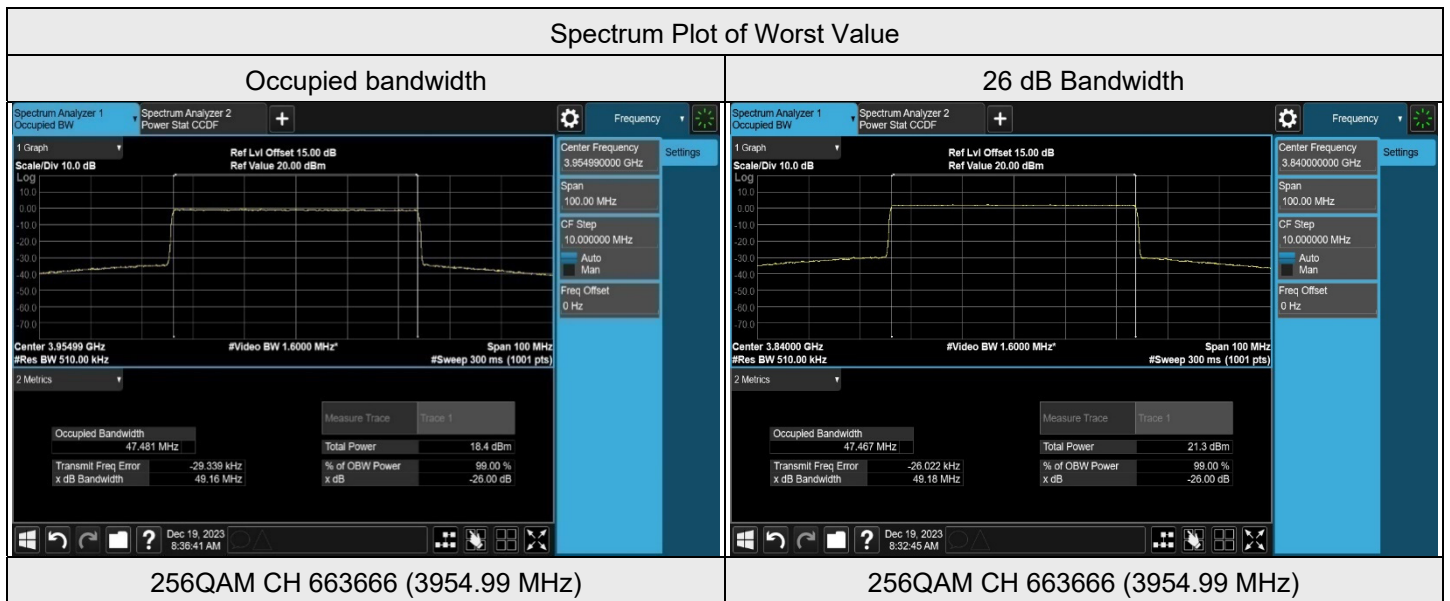
Chain 1

NR n77 SCS 30 kHz (3700-3800 MHz) 40M				
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	648000	3720	37.801	39.22
QPSK	656000	3840	37.816	39.26
QPSK	664000	3960	37.822	39.26
16QAM	648000	3720	37.802	39.21
16QAM	656000	3840	37.808	39.23
16QAM	664000	3960	37.828	39.26
64QAM	648000	3720	37.832	39.22
64QAM	656000	3840	37.839	39.23
64QAM	664000	3960	37.847	39.23
256QAM	648000	3720	37.799	39.20
256QAM	656000	3840	37.814	39.25
256QAM	664000	3960	37.838	39.22



NR n77 (3700-3980 MHz) SCS 30 kHz, Channel Bandwidth: 50 MHz
Chain 0

NR n77 SCS 30 kHz (3700-3800 MHz) 50M				
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	648334	3725.01	47.430	49.15
QPSK	656000	3840	47.452	49.18
QPSK	663666	3954.99	47.457	49.16
16QAM	648334	3725.01	47.425	49.13
16QAM	656000	3840	47.457	49.16
16QAM	663666	3954.99	47.474	49.15
64QAM	648334	3725.01	47.422	49.11
64QAM	656000	3840	47.467	49.18
64QAM	663666	3954.99	47.461	49.14
256QAM	648334	3725.01	47.446	49.15
256QAM	656000	3840	47.435	49.13
256QAM	663666	3954.99	47.481	49.16



Chain 1

NR n77 SCS 30 kHz (3700-3800 MHz) 50M				
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	648334	3725.01	47.431	49.13
QPSK	656000	3840	47.444	49.15
QPSK	663666	3954.99	47.456	49.17
16QAM	648334	3725.01	47.426	49.10
16QAM	656000	3840	47.466	49.13
16QAM	663666	3954.99	47.483	49.16
64QAM	648334	3725.01	47.426	49.11
64QAM	656000	3840	47.442	49.15
64QAM	663666	3954.99	47.448	49.15
256QAM	648334	3725.01	47.394	49.09
256QAM	656000	3840	47.418	49.13
256QAM	663666	3954.99	47.429	49.13

