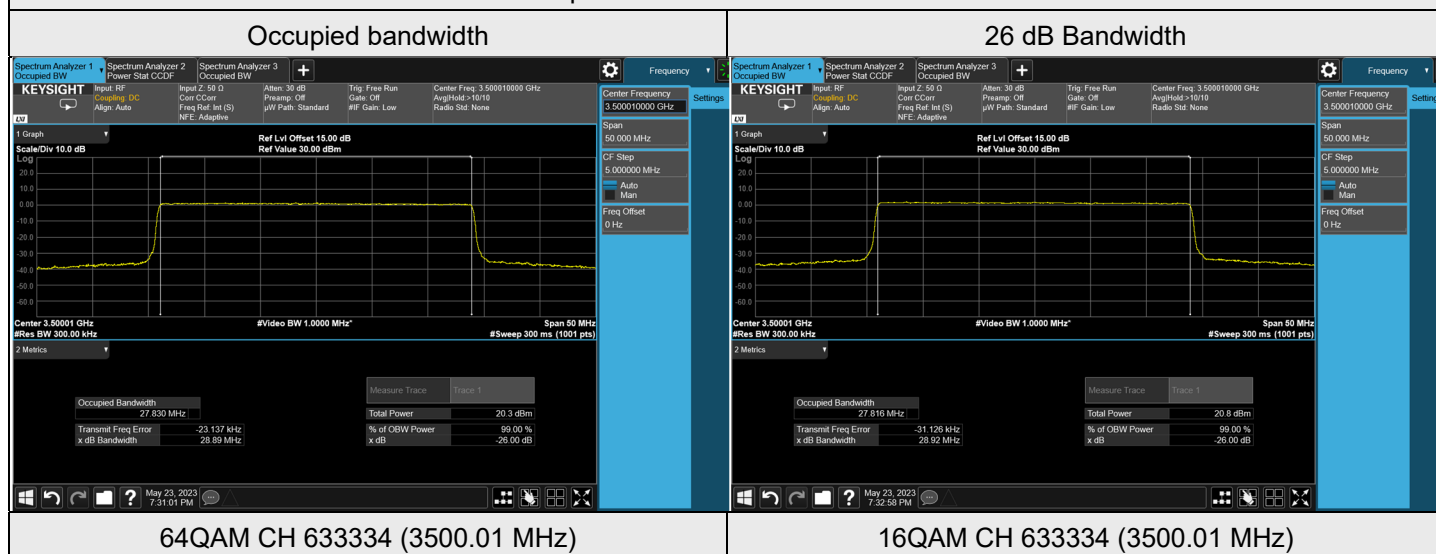


NR n77 (3450-3550 MHz) SCS 30 kHz, Channel Bandwidth: 30 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	631000	3465	26.721	27.78
BPSK	633334	3500.01	26.739	27.77
BPSK	635666	3534.99	26.729	27.74
QPSK	631000	3465	27.804	28.87
QPSK	633334	3500.01	27.816	28.88
QPSK	635666	3534.99	27.806	28.89
16QAM	631000	3465	27.806	28.87
16QAM	633334	3500.01	27.816	28.92
16QAM	635666	3534.99	27.798	28.89
64QAM	631000	3465	27.821	28.88
64QAM	633334	3500.01	27.830	28.89
64QAM	635666	3534.99	27.816	28.88
256QAM	631000	3465	27.799	28.81
256QAM	633334	3500.01	27.811	28.84
256QAM	635666	3534.99	27.796	28.84

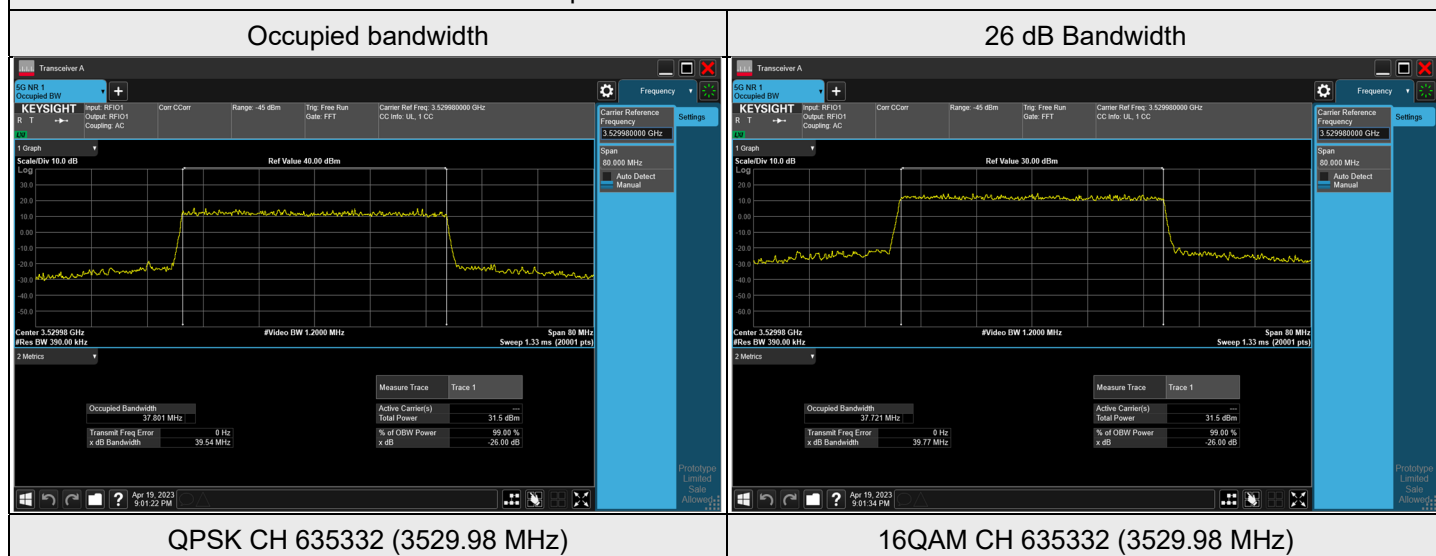
Spectrum Plot of Worst Value



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

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	631334	3470.01	37.507	37.41
BPSK	633334	3500.01	37.553	37.31
BPSK	635332	3529.98	37.700	37.27
QPSK	631334	3470.01	37.732	39.41
QPSK	633334	3500.01	37.737	39.49
QPSK	635332	3529.98	37.801	39.54
16QAM	631334	3470.01	37.683	39.37
16QAM	633334	3500.01	37.713	39.52
16QAM	635332	3529.98	37.721	39.77
64QAM	631334	3470.01	37.746	39.60
64QAM	633334	3500.01	37.720	39.55
64QAM	635332	3529.98	37.731	39.44
256QAM	631334	3470.01	37.753	39.46
256QAM	633334	3500.01	37.729	39.50
256QAM	635332	3529.98	37.771	39.60

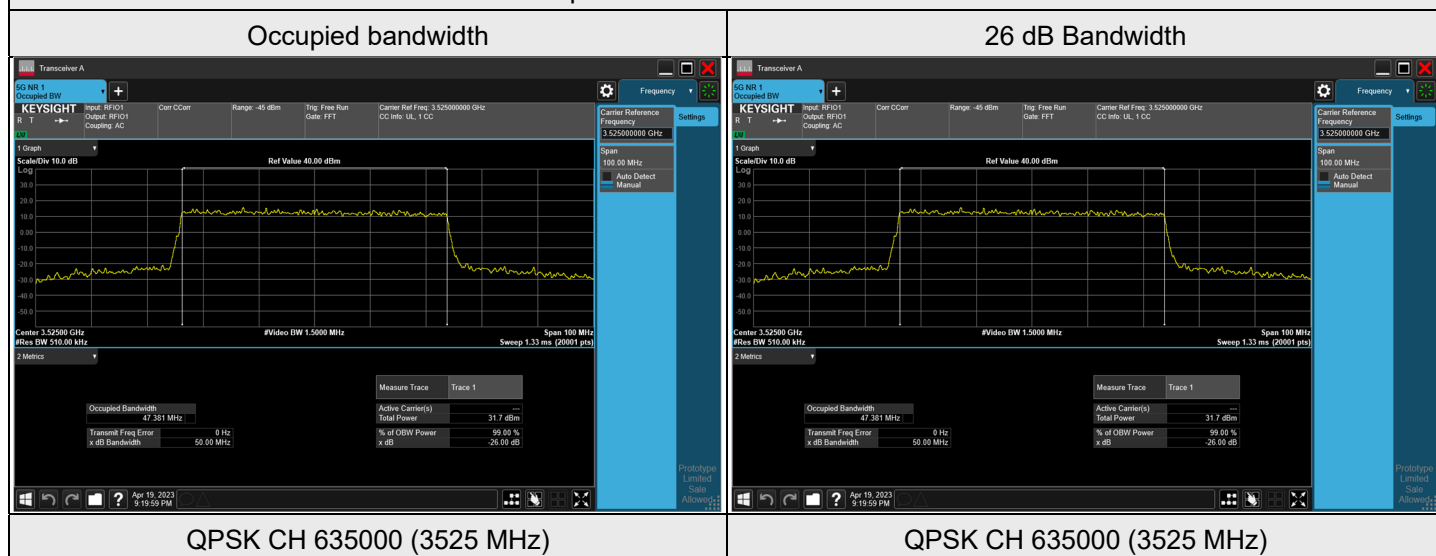
Spectrum Plot of Worst Value



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

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	631668	3475.02	46.751	47.97
BPSK	633334	3500.01	46.864	47.91
BPSK	635000	3525	46.911	48.07
QPSK	631668	3475.02	47.374	49.74
QPSK	633334	3500.01	47.314	49.78
QPSK	635000	3525	47.381	50.00
16QAM	631668	3475.02	47.255	49.79
16QAM	633334	3500.01	47.341	49.79
16QAM	635000	3525	47.375	49.92
64QAM	631668	3475.02	47.321	49.56
64QAM	633334	3500.01	47.331	49.85
64QAM	635000	3525	47.364	49.73
256QAM	631668	3475.02	47.324	49.78
256QAM	633334	3500.01	47.263	49.47
256QAM	635000	3525	47.325	49.81

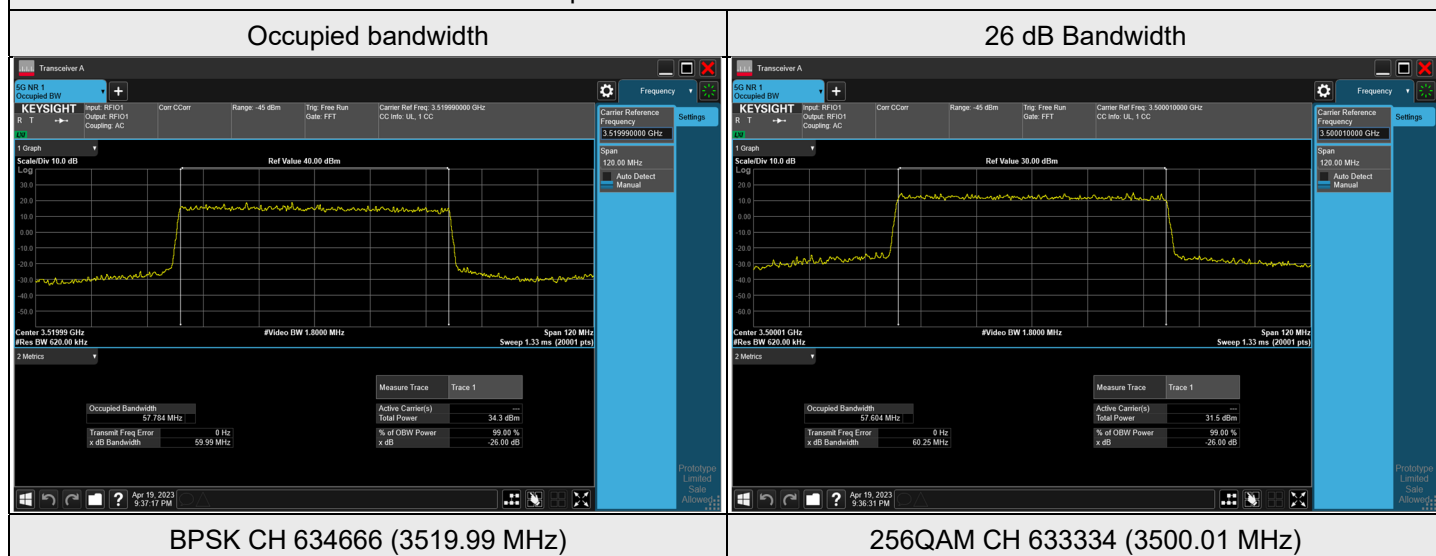
Spectrum Plot of Worst Value



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

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	632000	3480	57.593	60.09
BPSK	633334	3500.01	57.591	60.12
BPSK	634666	3519.99	57.784	59.99
QPSK	632000	3480	57.532	60.12
QPSK	633334	3500.01	57.546	60.04
QPSK	634666	3519.99	57.602	60.00
16QAM	632000	3480	57.605	59.99
16QAM	633334	3500.01	57.566	60.07
16QAM	634666	3519.99	57.627	60.11
64QAM	632000	3480	57.588	60.11
64QAM	633334	3500.01	57.626	59.92
64QAM	634666	3519.99	57.674	60.00
256QAM	632000	3480	57.673	59.88
256QAM	633334	3500.01	57.604	60.25
256QAM	634666	3519.99	57.697	59.76

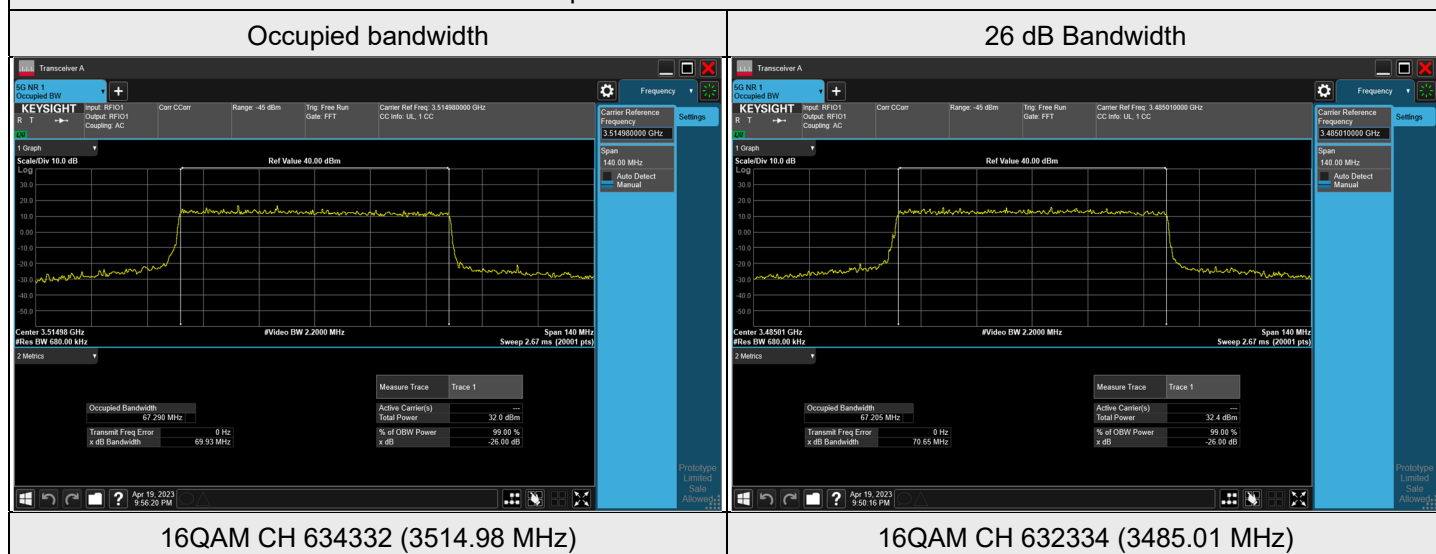
Spectrum Plot of Worst Value



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

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	632334	3485.01	66.602	66.75
BPSK	633334	3500.01	66.420	67.34
BPSK	634332	3514.98	66.767	67.13
QPSK	632334	3485.01	67.287	70.59
QPSK	633334	3500.01	67.232	70.51
QPSK	634332	3514.98	67.164	70.31
16QAM	632334	3485.01	67.205	70.65
16QAM	633334	3500.01	67.246	70.30
16QAM	634332	3514.98	67.290	69.93
64QAM	632334	3485.01	67.104	69.98
64QAM	633334	3500.01	67.062	69.94
64QAM	634332	3514.98	67.200	70.30
256QAM	632334	3485.01	67.221	70.34
256QAM	633334	3500.01	67.270	70.13
256QAM	634332	3514.98	67.274	70.28

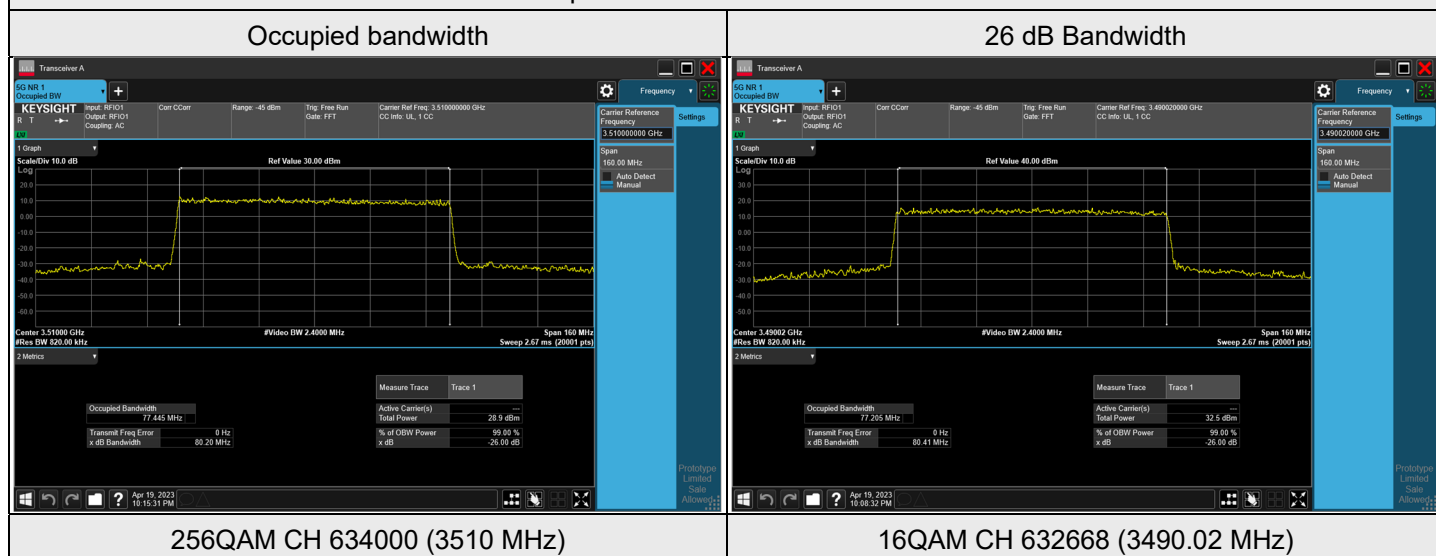
Spectrum Plot of Worst Value



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

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	632668	3490.02	76.885	79.83
BPSK	633334	3500.01	76.774	79.70
BPSK	634000	3510	76.789	79.53
QPSK	632668	3490.02	77.237	80.31
QPSK	633334	3500.01	77.271	80.22
QPSK	634000	3510	77.365	79.96
16QAM	632668	3490.02	77.205	80.41
16QAM	633334	3500.01	77.138	80.19
16QAM	634000	3510	77.271	79.84
64QAM	632668	3490.02	77.160	80.22
64QAM	633334	3500.01	77.172	80.07
64QAM	634000	3510	77.187	80.30
256QAM	632668	3490.02	77.415	80.06
256QAM	633334	3500.01	77.414	80.08
256QAM	634000	3510	77.445	80.20

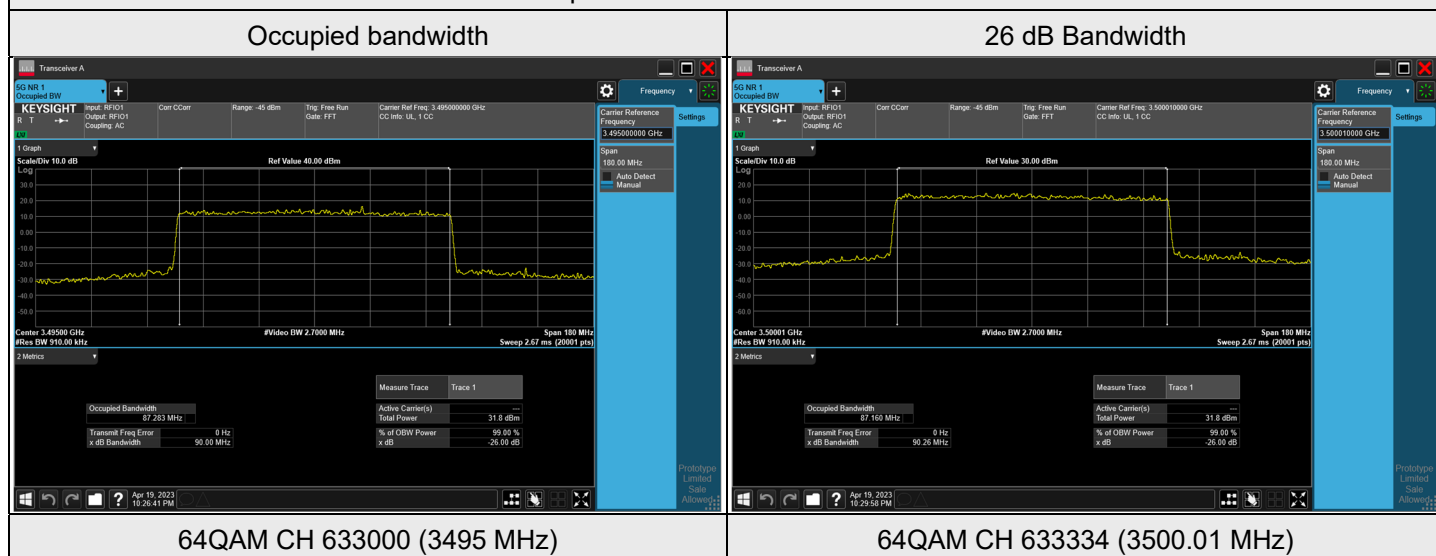
Spectrum Plot of Worst Value



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

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	633000	3495	86.335	89.61
BPSK	633334	3500.01	86.330	89.65
BPSK	633666	3504.99	86.389	89.51
QPSK	633000	3495	86.832	90.12
QPSK	633334	3500.01	86.833	90.14
QPSK	633666	3504.99	86.913	90.18
16QAM	633000	3495	87.017	89.95
16QAM	633334	3500.01	86.997	90.05
16QAM	633666	3504.99	87.021	90.14
64QAM	633000	3495	87.283	90.00
64QAM	633334	3500.01	87.160	90.26
64QAM	633666	3504.99	86.958	90.15
256QAM	633000	3495	87.002	90.09
256QAM	633334	3500.01	87.002	90.23
256QAM	633666	3504.99	87.019	90.13

Spectrum Plot of Worst Value

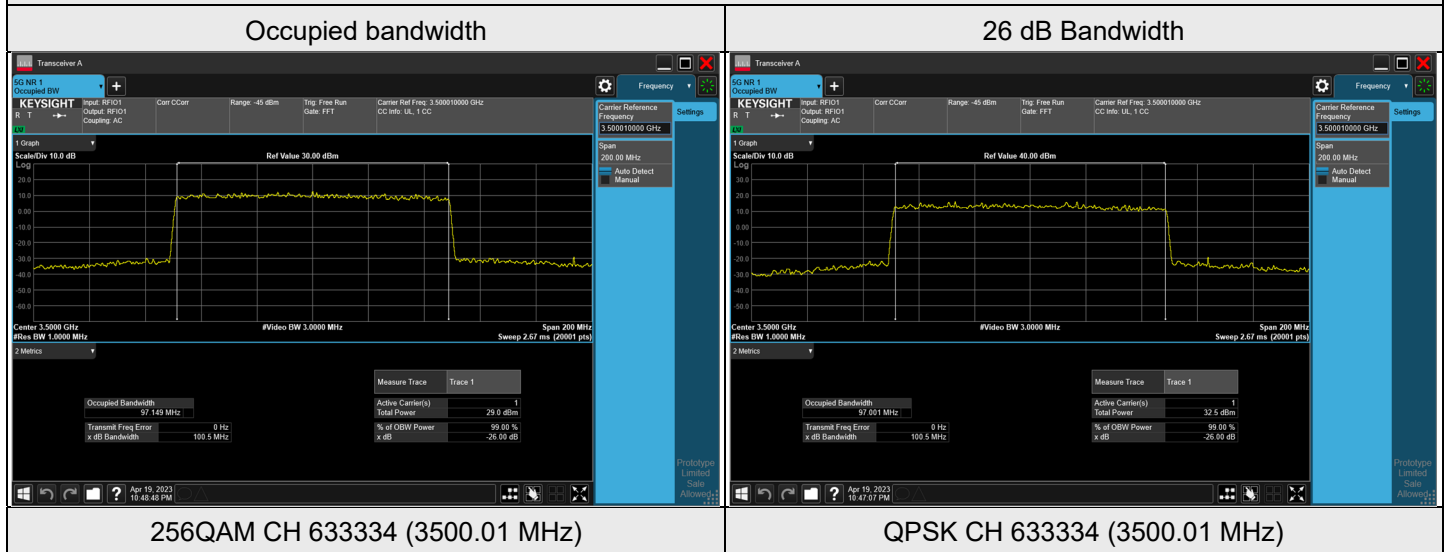




NR n77 (3450-3550 MHz) SCS 30 kHz, Channel Bandwidth: 100 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	633334	3500.01	96.548	99.63
QPSK	633334	3500.01	97.001	100.5
16QAM	633334	3500.01	97.042	100.4
64QAM	633334	3500.01	97.088	100.5
256QAM	633334	3500.01	97.149	100.5

Spectrum Plot of Worst Value

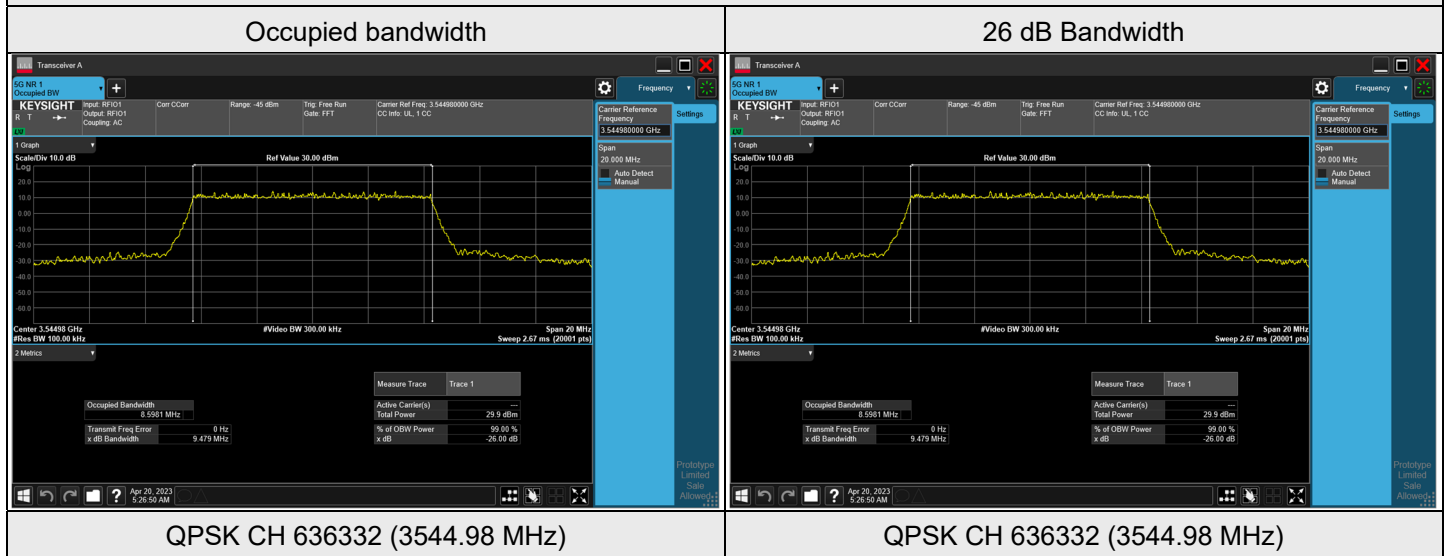


7.4.2 NR n77 (3450-3550 MHz) SCS 30 kHz (Ant.: M2)

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

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	630334	3455.01	8.5722	9.340
BPSK	633334	3500.01	8.5449	9.230
BPSK	636332	3544.98	8.5826	9.289
QPSK	630334	3455.01	8.5862	9.384
QPSK	633334	3500.01	8.5468	9.253
QPSK	636332	3544.98	8.5981	9.479
16QAM	630334	3455.01	8.5520	9.222
16QAM	633334	3500.01	8.5582	9.266
16QAM	636332	3544.98	8.5584	9.352
64QAM	630334	3455.01	8.5629	9.357
64QAM	633334	3500.01	8.5521	9.125
64QAM	636332	3544.98	8.5642	9.274
256QAM	630334	3455.01	8.5662	9.283
256QAM	633334	3500.01	8.5687	9.468
256QAM	636332	3544.98	8.5767	9.263

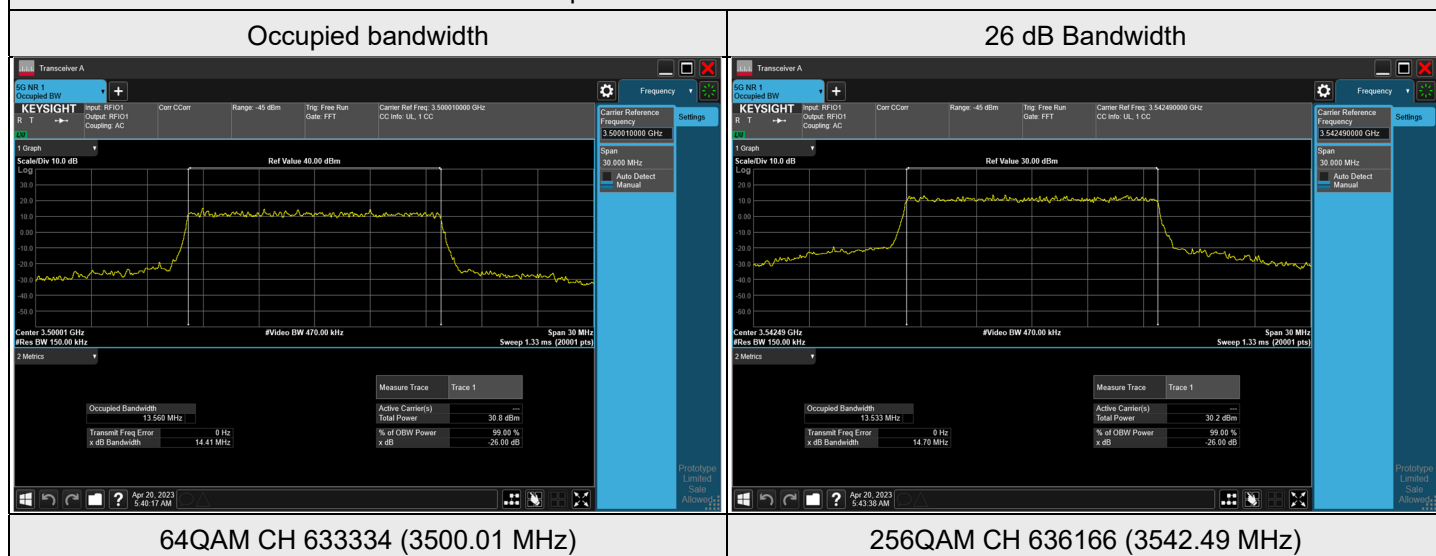
Spectrum Plot of Worst Value



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

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	630500	3457.5	13.462	13.81
BPSK	633334	3500.01	13.498	13.75
BPSK	636166	3542.49	13.420	14.06
QPSK	630500	3457.5	13.540	14.52
QPSK	633334	3500.01	13.548	14.55
QPSK	636166	3542.49	13.548	14.51
16QAM	630500	3457.5	13.524	14.41
16QAM	633334	3500.01	13.552	14.58
16QAM	636166	3542.49	13.531	14.57
64QAM	630500	3457.5	13.557	14.47
64QAM	633334	3500.01	13.560	14.41
64QAM	636166	3542.49	13.555	14.39
256QAM	630500	3457.5	13.548	14.56
256QAM	633334	3500.01	13.537	14.37
256QAM	636166	3542.49	13.533	14.70

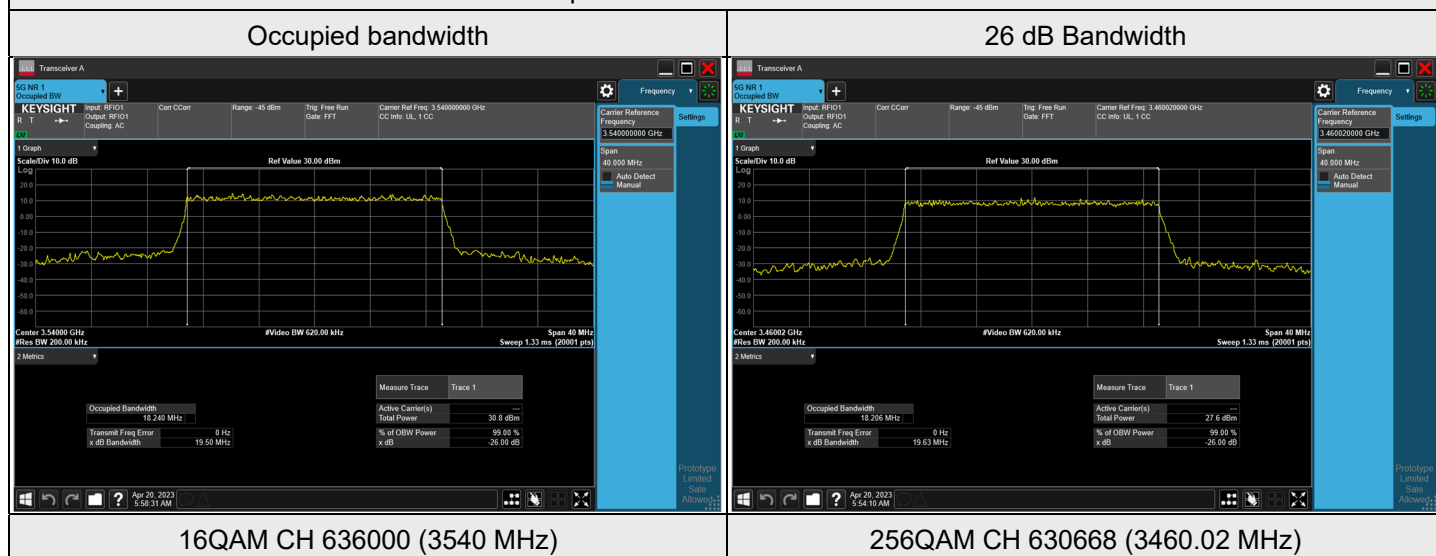
Spectrum Plot of Worst Value



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

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	630668	3460.02	18.028	19.04
BPSK	633334	3500.01	18.049	19.16
BPSK	636000	3540	18.012	19.16
QPSK	630668	3460.02	18.157	19.47
QPSK	633334	3500.01	18.161	19.40
QPSK	636000	3540	18.169	19.41
16QAM	630668	3460.02	18.226	19.28
16QAM	633334	3500.01	18.229	19.46
16QAM	636000	3540	18.240	19.50
64QAM	630668	3460.02	18.192	19.33
64QAM	633334	3500.01	18.204	19.48
64QAM	636000	3540	18.184	19.14
256QAM	630668	3460.02	18.206	19.63
256QAM	633334	3500.01	18.184	19.37
256QAM	636000	3540	18.178	19.39

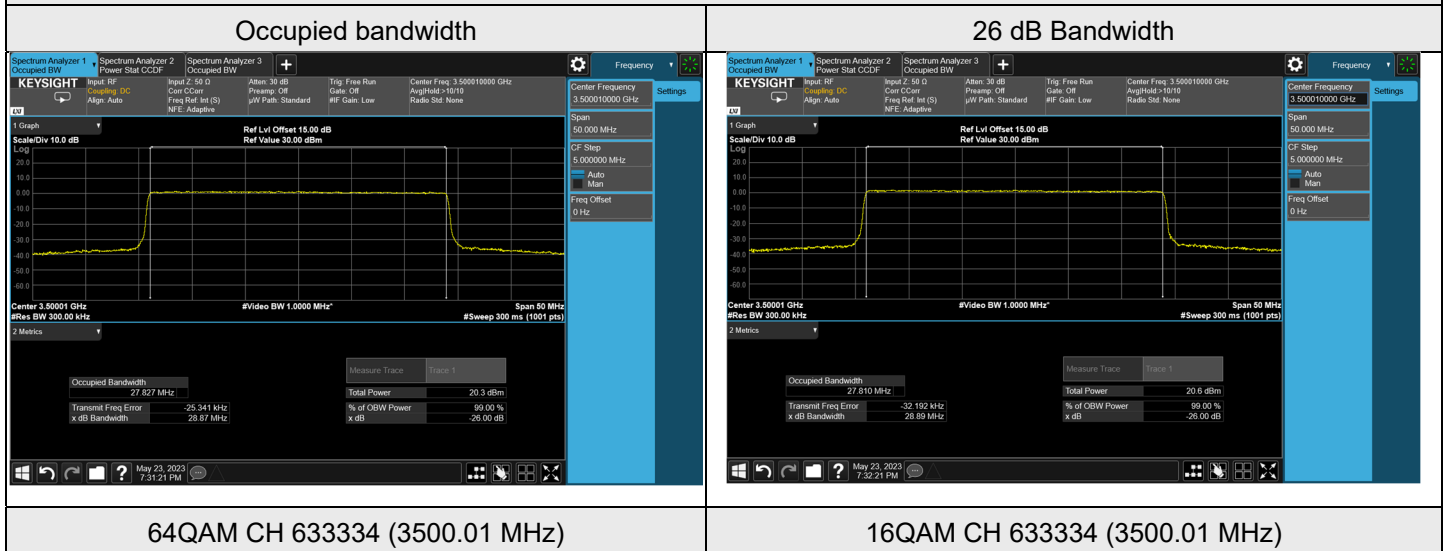
Spectrum Plot of Worst Value



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

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	631000	3465	26.729	27.82
BPSK	633334	3500.01	26.734	27.76
BPSK	635666	3534.99	26.714	27.75
QPSK	631000	3465	27.807	28.86
QPSK	633334	3500.01	27.818	28.86
QPSK	635666	3534.99	27.807	28.92
16QAM	631000	3465	27.801	28.89
16QAM	633334	3500.01	27.810	28.89
16QAM	635666	3534.99	27.787	28.87
64QAM	631000	3465	27.819	28.86
64QAM	633334	3500.01	27.827	28.87
64QAM	635666	3534.99	27.815	28.88
256QAM	631000	3465	27.792	28.83
256QAM	633334	3500.01	27.808	28.83
256QAM	635666	3534.99	27.816	28.85

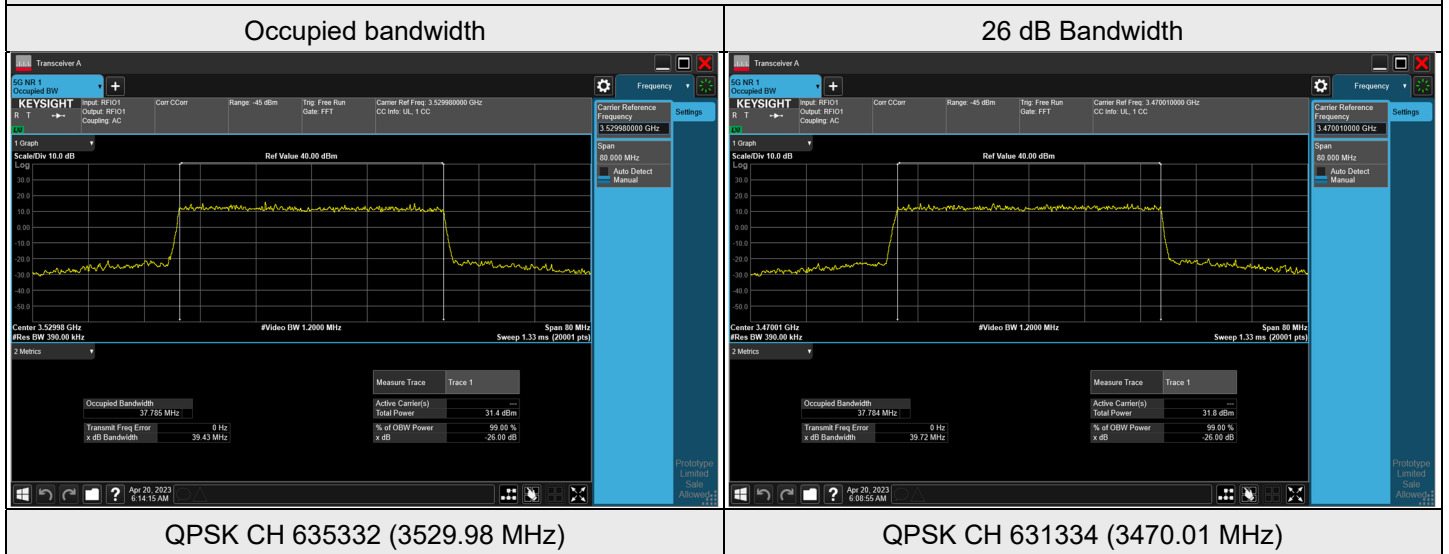
Spectrum Plot of Worst Value



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

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	631334	3470.01	37.348	37.75
BPSK	633334	3500.01	37.594	37.25
BPSK	635332	3529.98	37.657	37.17
QPSK	631334	3470.01	37.784	39.72
QPSK	633334	3500.01	37.739	39.42
QPSK	635332	3529.98	37.785	39.43
16QAM	631334	3470.01	37.675	39.60
16QAM	633334	3500.01	37.698	39.57
16QAM	635332	3529.98	37.722	39.60
64QAM	631334	3470.01	37.778	39.52
64QAM	633334	3500.01	37.730	39.55
64QAM	635332	3529.98	37.739	39.50
256QAM	631334	3470.01	37.762	39.61
256QAM	633334	3500.01	37.746	39.46
256QAM	635332	3529.98	37.769	39.69

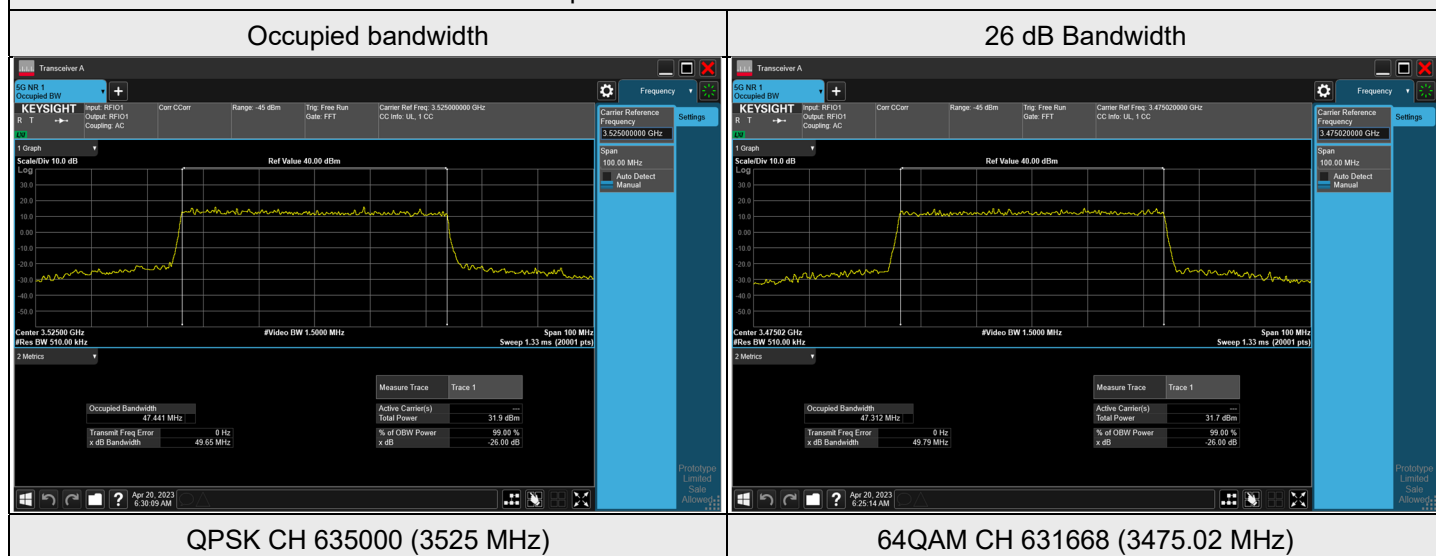
Spectrum Plot of Worst Value



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

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	631668	3475.02	46.753	47.95
BPSK	633334	3500.01	46.844	47.94
BPSK	635000	3525	46.902	47.95
QPSK	631668	3475.02	47.360	49.69
QPSK	633334	3500.01	47.342	49.73
QPSK	635000	3525	47.441	49.65
16QAM	631668	3475.02	47.331	49.69
16QAM	633334	3500.01	47.233	49.44
16QAM	635000	3525	47.283	49.73
64QAM	631668	3475.02	47.312	49.79
64QAM	633334	3500.01	47.294	49.68
64QAM	635000	3525	47.353	49.65
256QAM	631668	3475.02	47.393	49.54
256QAM	633334	3500.01	47.272	49.73
256QAM	635000	3525	47.364	49.54

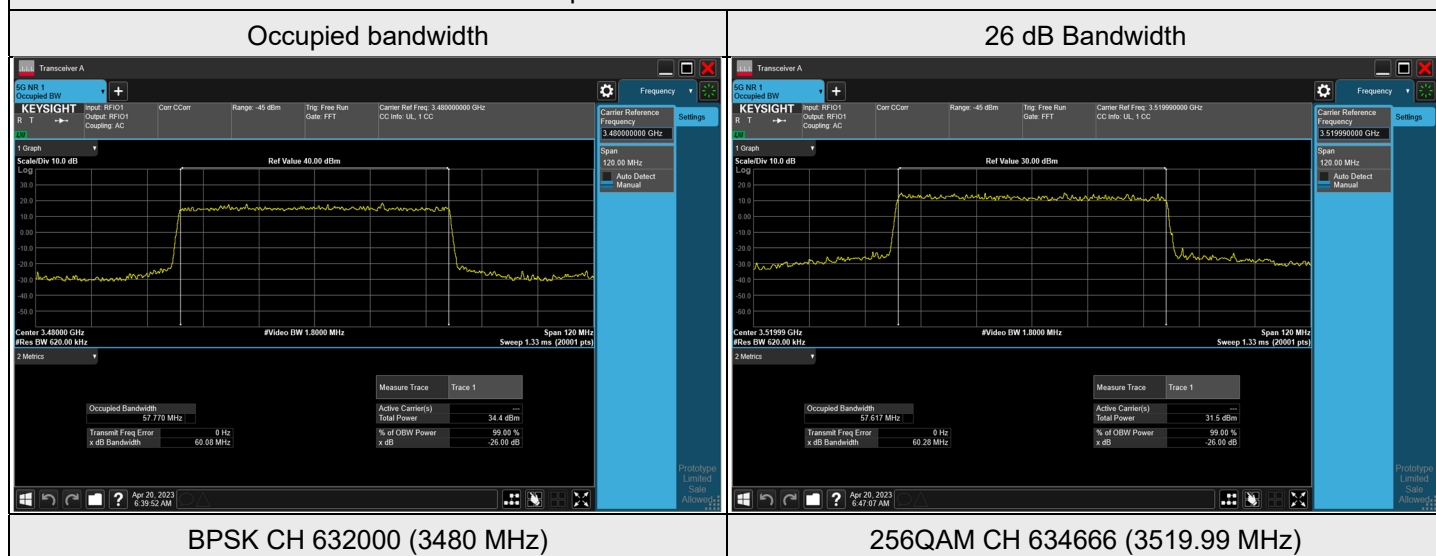
Spectrum Plot of Worst Value



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

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	632000	3480	57.770	60.08
BPSK	633334	3500.01	57.627	60.11
BPSK	634666	3519.99	57.661	60.06
QPSK	632000	3480	57.565	60.11
QPSK	633334	3500.01	57.614	60.13
QPSK	634666	3519.99	57.604	60.02
16QAM	632000	3480	57.637	59.90
16QAM	633334	3500.01	57.614	59.92
16QAM	634666	3519.99	57.613	59.98
64QAM	632000	3480	57.630	60.02
64QAM	633334	3500.01	57.624	60.03
64QAM	634666	3519.99	57.604	59.95
256QAM	632000	3480	57.638	59.91
256QAM	633334	3500.01	57.639	59.86
256QAM	634666	3519.99	57.617	60.28

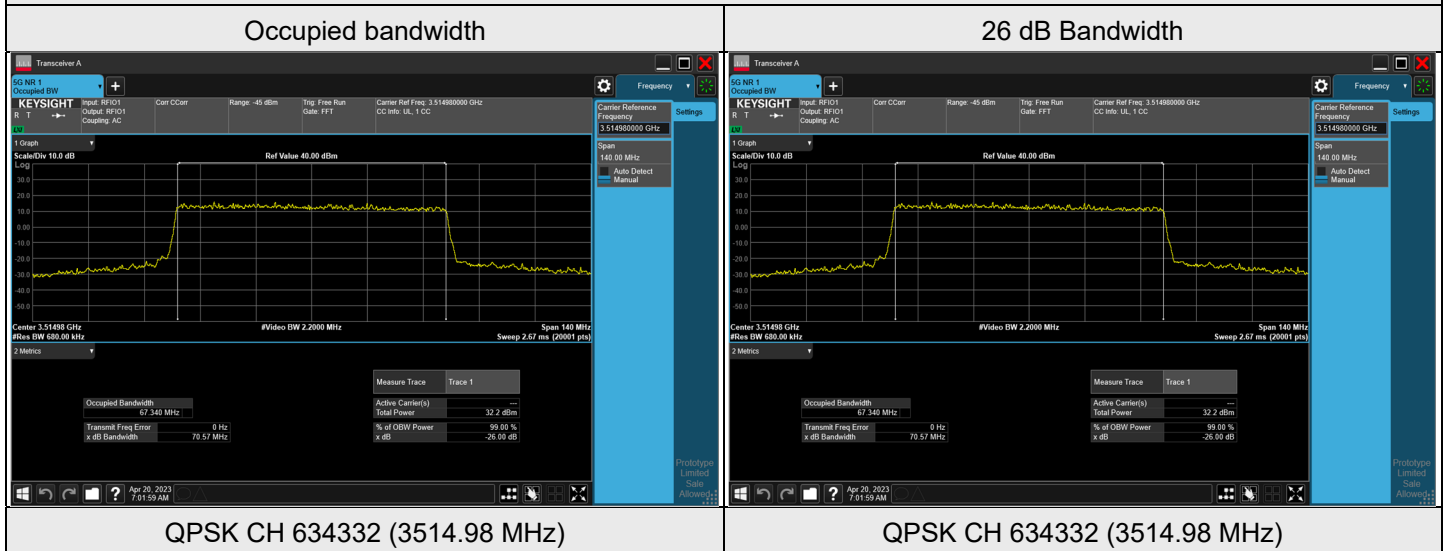
Spectrum Plot of Worst Value



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

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	632334	3485.01	66.646	66.98
BPSK	633334	3500.01	66.374	67.32
BPSK	634332	3514.98	66.658	67.13
QPSK	632334	3485.01	67.091	70.26
QPSK	633334	3500.01	67.270	70.30
QPSK	634332	3514.98	67.340	70.57
16QAM	632334	3485.01	67.245	70.46
16QAM	633334	3500.01	67.289	70.42
16QAM	634332	3514.98	67.215	69.93
64QAM	632334	3485.01	67.105	70.34
64QAM	633334	3500.01	67.107	69.85
64QAM	634332	3514.98	67.150	70.13
256QAM	632334	3485.01	67.257	70.30
256QAM	633334	3500.01	67.275	70.14
256QAM	634332	3514.98	67.286	70.18

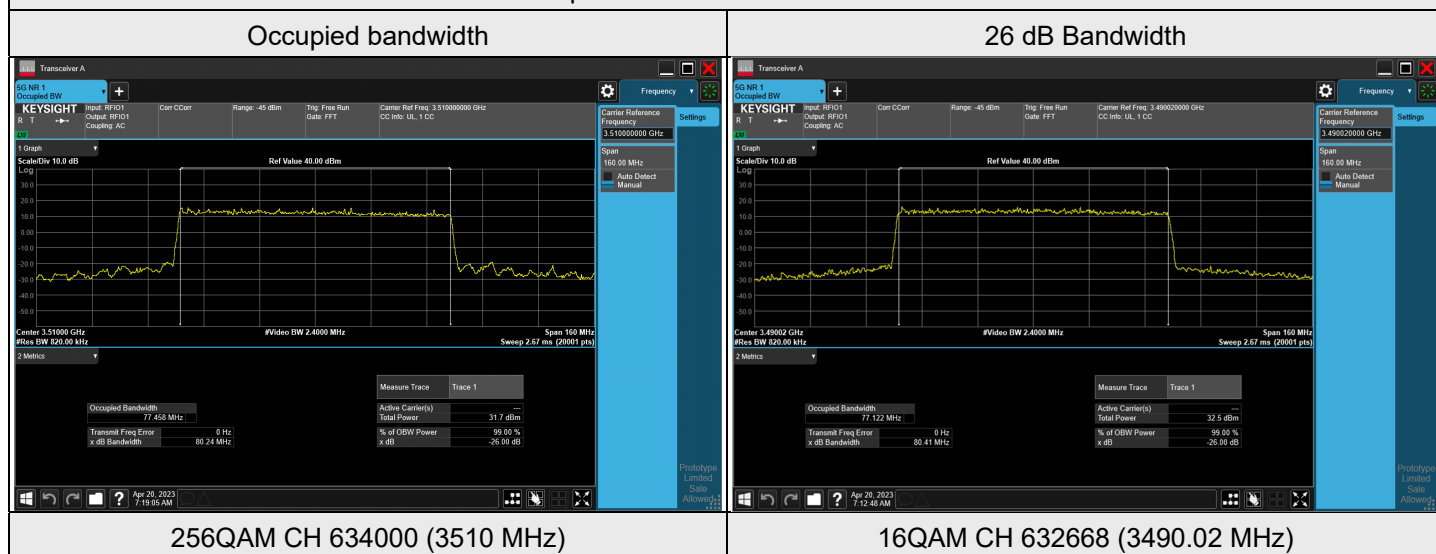
Spectrum Plot of Worst Value



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

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	632668	3490.02	76.723	79.63
BPSK	633334	3500.01	76.866	79.87
BPSK	634000	3510	76.822	79.69
QPSK	632668	3490.02	77.255	80.07
QPSK	633334	3500.01	77.281	80.14
QPSK	634000	3510	77.285	80.13
16QAM	632668	3490.02	77.122	80.41
16QAM	633334	3500.01	77.187	80.19
16QAM	634000	3510	77.160	80.33
64QAM	632668	3490.02	77.204	80.15
64QAM	633334	3500.01	77.189	80.03
64QAM	634000	3510	77.248	80.28
256QAM	632668	3490.02	77.251	79.91
256QAM	633334	3500.01	77.367	80.07
256QAM	634000	3510	77.458	80.24

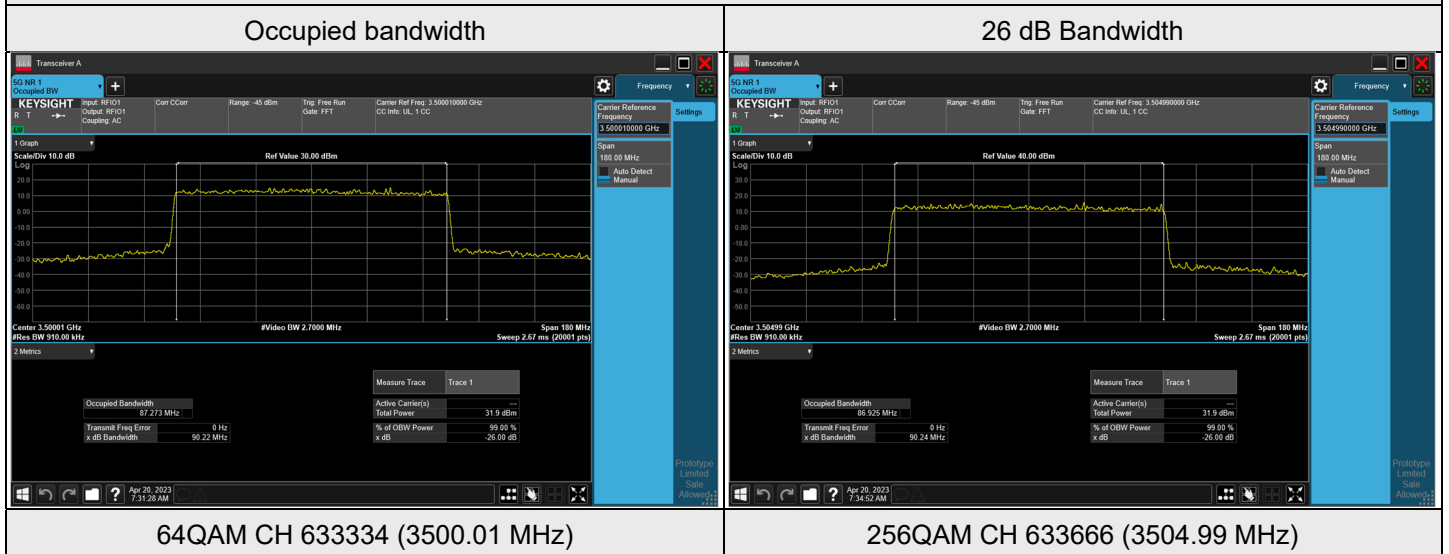
Spectrum Plot of Worst Value



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

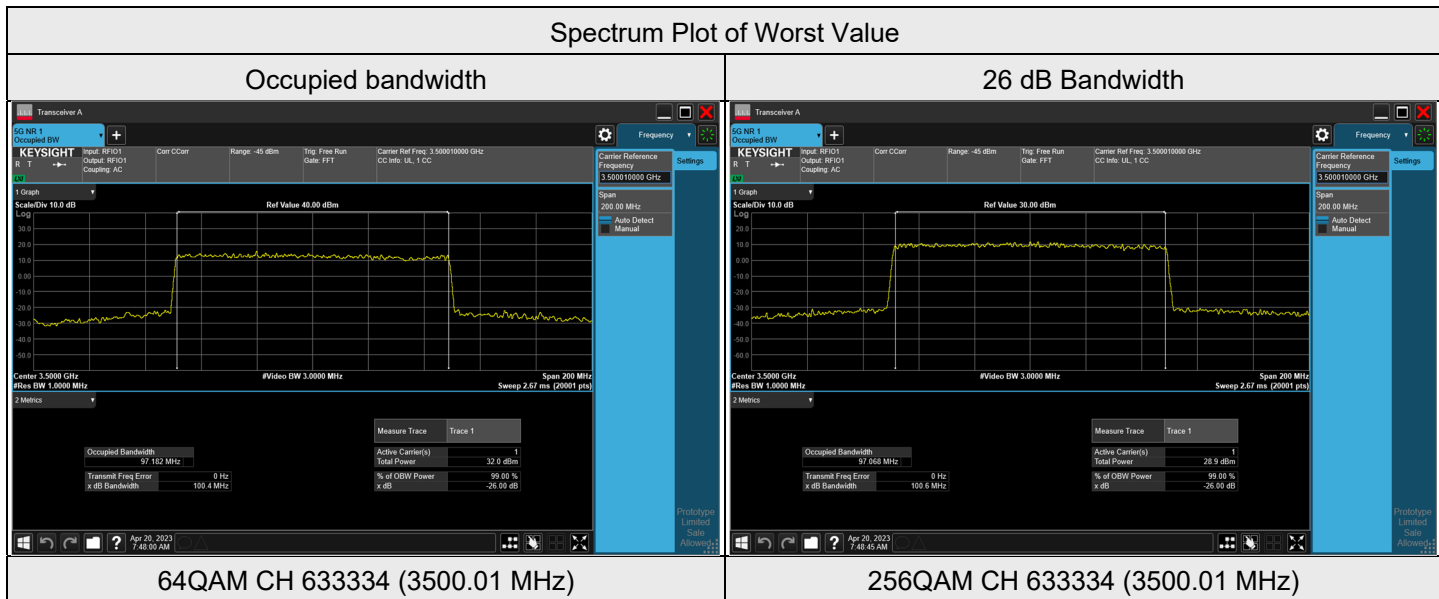
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	633000	3495	86.335	89.39
BPSK	633334	3500.01	86.391	89.67
BPSK	633666	3504.99	86.571	89.85
QPSK	633000	3495	86.835	90.19
QPSK	633334	3500.01	86.912	90.01
QPSK	633666	3504.99	86.856	90.20
16QAM	633000	3495	87.201	90.12
16QAM	633334	3500.01	86.967	90.08
16QAM	633666	3504.99	87.049	90.23
64QAM	633000	3495	87.111	90.20
64QAM	633334	3500.01	87.273	90.22
64QAM	633666	3504.99	87.160	90.17
256QAM	633000	3495	86.979	90.11
256QAM	633334	3500.01	86.966	90.06
256QAM	633666	3504.99	86.925	90.24

Spectrum Plot of Worst Value



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

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	633334	3500.01	96.262	99.56
QPSK	633334	3500.01	96.983	100.2
16QAM	633334	3500.01	97.041	100.4
64QAM	633334	3500.01	97.182	100.4
256QAM	633334	3500.01	97.068	100.6



7.4.3 NR n77 (3700-3980 MHz) SCS 30 kHz (Ant.: M1)

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

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	647000	3705	8.5564	9.158
BPSK	656000	3840	8.5663	9.429
BPSK	665000	3975	8.5543	9.262
QPSK	647000	3705	8.5666	9.363
QPSK	656000	3840	8.5903	9.367
QPSK	665000	3975	8.5940	9.459
16QAM	647000	3705	8.5503	9.190
16QAM	656000	3840	8.5542	9.306
16QAM	665000	3975	8.5506	9.186
64QAM	647000	3705	8.5623	9.179
64QAM	656000	3840	8.5547	9.202
64QAM	665000	3975	8.5628	9.227
256QAM	647000	3705	8.5786	9.357
256QAM	656000	3840	8.5747	9.389
256QAM	665000	3975	8.5749	9.520

