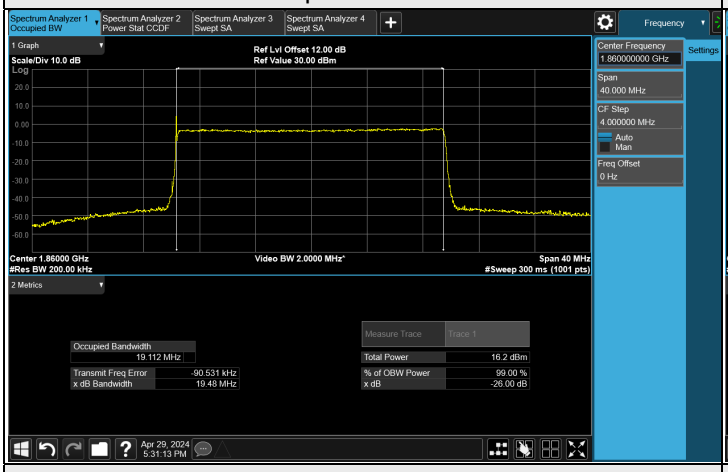
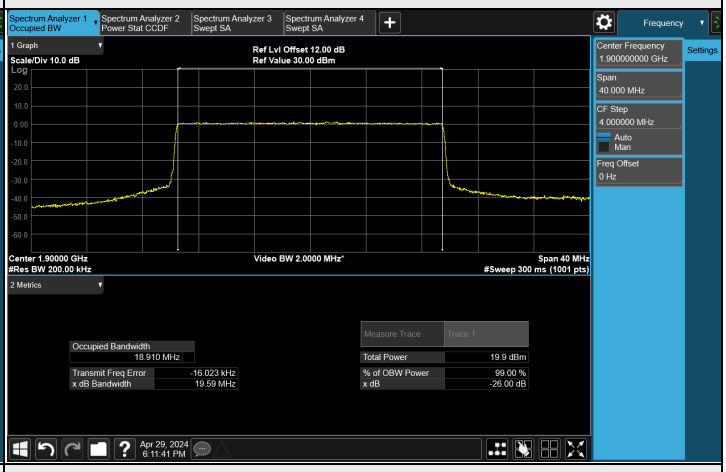
NR n2 SCS 15 kHz, Channel Bandwidth: 20 MHz

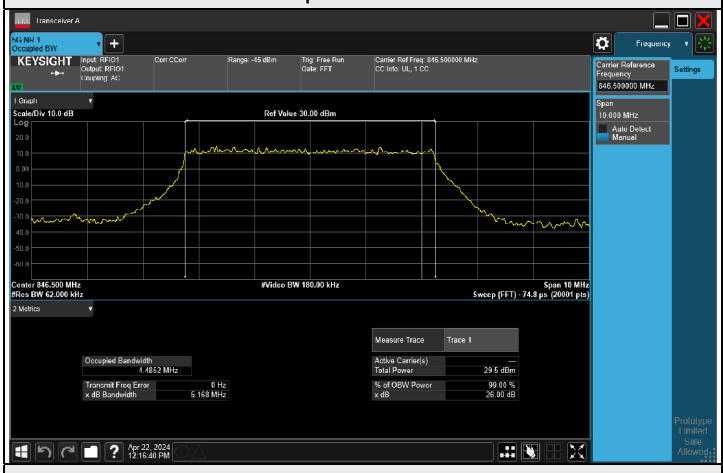
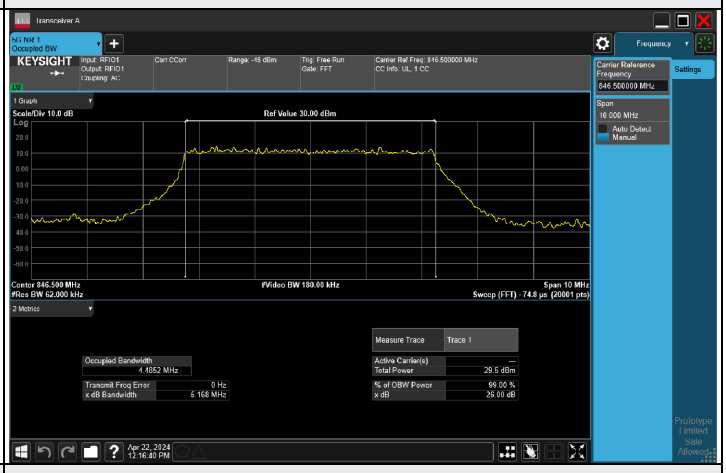
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	372000	1860	17.984	18.41
BPSK	376000	1880	17.979	18.44
BPSK	380000	1900	17.843	18.37
QPSK	372000	1860	19.036	19.41
QPSK	376000	1880	18.939	19.49
QPSK	380000	1900	19.075	19.43
16QAM	372000	1860	19.095	19.41
16QAM	376000	1880	19.064	19.44
16QAM	380000	1900	18.9	19.59
64QAM	372000	1860	18.926	19.46
64QAM	376000	1880	18.988	19.36
64QAM	380000	1900	18.91	19.59
256QAM	372000	1860	19.112	19.48
256QAM	376000	1880	18.916	19.44
256QAM	380000	1900	19.053	19.38

Spectrum Plot of Worst Value	
Occupied bandwidth	26 dB Bandwidth
	
256QAM CH 372000 (1860 MHz)	64QAM CH 380000 (1900 MHz)

7.4.2 NR n5 SCS 15 kHz

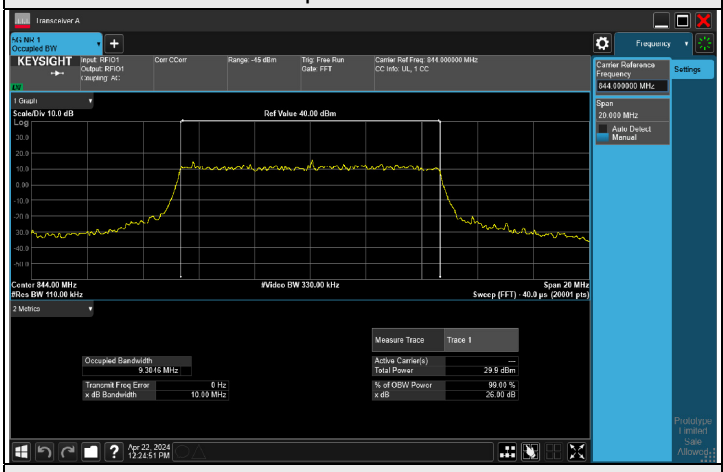
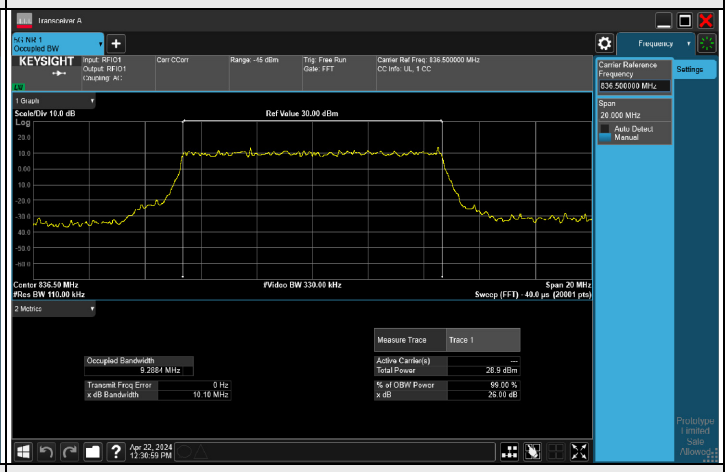
NR n5 SCS 15 kHz, Channel Bandwidth: 5 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	165300	826.5	4.4732	5.151
BPSK	167300	836.5	4.4641	5.117
BPSK	169300	846.5	4.4744	5.004
QPSK	165300	826.5	4.4695	5.048
QPSK	167300	836.5	4.4764	5.028
QPSK	169300	846.5	4.4852	5.168
16QAM	165300	826.5	4.4581	4.982
16QAM	167300	836.5	4.4594	4.890
16QAM	169300	846.5	4.4593	4.911
64QAM	165300	826.5	4.4731	5.053
64QAM	167300	836.5	4.4611	4.937
64QAM	169300	846.5	4.4582	4.946
256QAM	165300	826.5	4.4542	4.912
256QAM	167300	836.5	4.4852	5.111
256QAM	169300	846.5	4.4734	5.129

Spectrum Plot of Worst Value	
Occupied bandwidth	26 dB Bandwidth
	
QPSK CH 169300 (846.5 MHz)	QPSK CH 169300 (846.5 MHz)

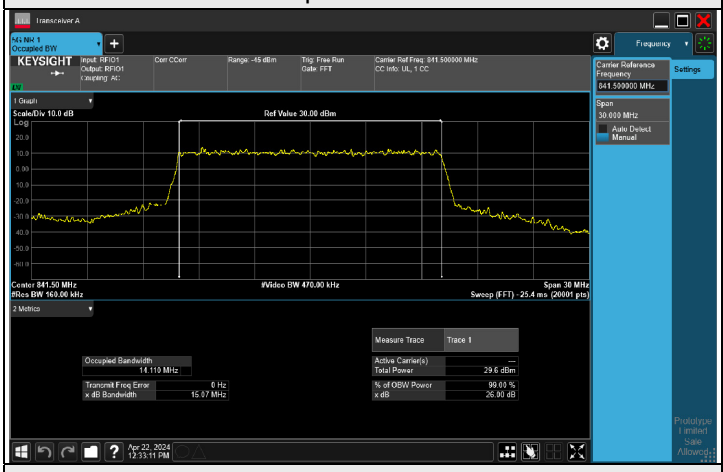
NR n5 SCS 15 kHz, Channel Bandwidth: 10 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	165800	829	9.1746	9.779
BPSK	167300	836.5	9.2002	9.621
BPSK	168800	844	9.1924	9.569
QPSK	165800	829	9.2727	9.984
QPSK	167300	836.5	9.2790	9.978
QPSK	168800	844	9.2968	9.968
16QAM	165800	829	9.2548	9.832
16QAM	167300	836.5	9.2661	9.964
16QAM	168800	844	9.3046	10.000
64QAM	165800	829	9.2642	9.935
64QAM	167300	836.5	9.2884	10.10
64QAM	168800	844	9.2600	9.982
256QAM	165800	829	9.2886	10.04
256QAM	167300	836.5	9.2669	9.970
256QAM	168800	844	9.2707	9.856

Spectrum Plot of Worst Value	
Occupied bandwidth	26 dB Bandwidth
	
16QAM CH 168800 (844 MHz)	64QAM CH 167300 (836.5 MHz)

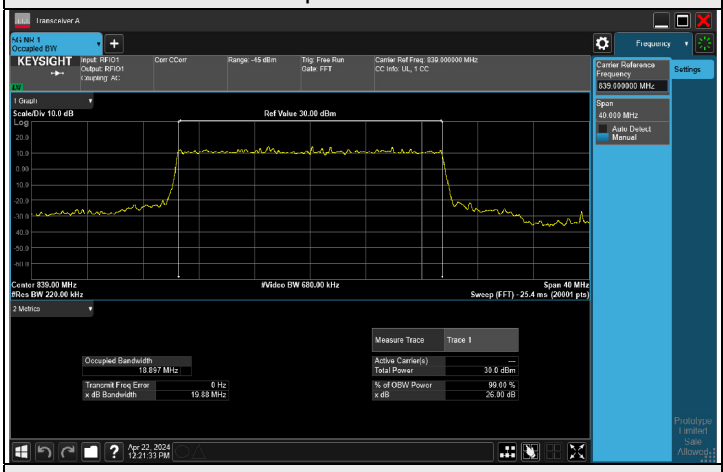
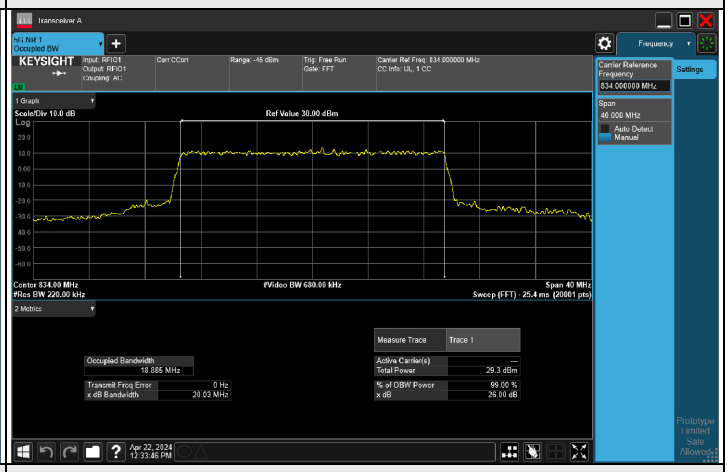
NR n5 SCS 15 kHz, Channel Bandwidth: 15 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	166300	831.5	13.984	14.36
BPSK	167300	836.5	13.924	14.30
BPSK	168300	841.5	13.969	14.24
QPSK	166300	831.5	14.079	15.04
QPSK	167300	836.5	14.058	15.05
QPSK	168300	841.5	14.052	14.94
16QAM	166300	831.5	14.068	14.84
16QAM	167300	836.5	14.059	14.82
16QAM	168300	841.5	14.059	14.87
64QAM	166300	831.5	14.059	14.87
64QAM	167300	836.5	14.106	15.05
64QAM	168300	841.5	14.110	15.07
256QAM	166300	831.5	14.094	15.01
256QAM	167300	836.5	14.107	15.11
256QAM	168300	841.5	14.088	15.06

Spectrum Plot of Worst Value	
Occupied bandwidth	26 dB Bandwidth
	
64QAM CH 168300 (841.5 MHz)	256QAM CH 167300 (836.5 MHz)

NR n5 SCS 15 kHz, Channel Bandwidth: 20 MHz

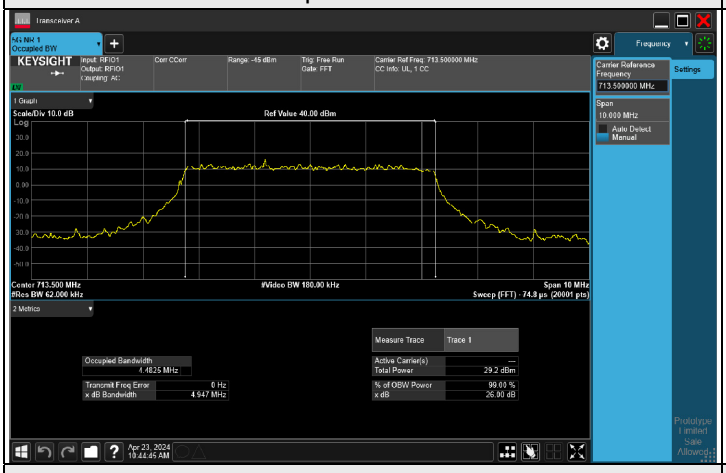
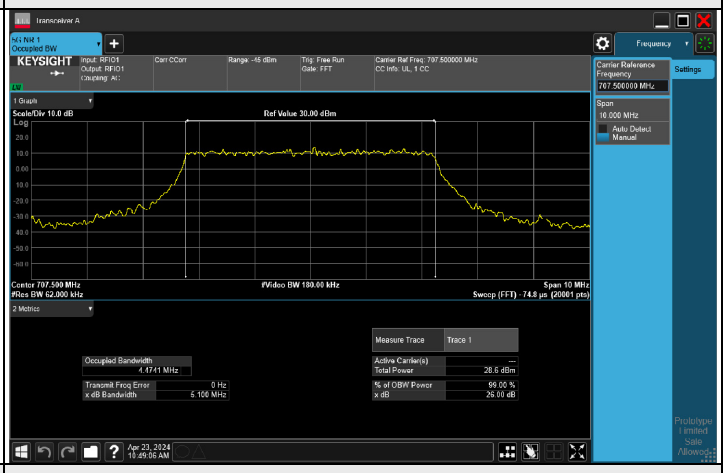
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	166800	834	18.693	18.79
BPSK	167300	836.5	18.653	18.74
BPSK	167800	839	18.777	18.97
QPSK	166800	834	18.878	19.79
QPSK	167300	836.5	18.881	19.94
QPSK	167800	839	18.897	19.88
16QAM	166800	834	18.844	19.90
16QAM	167300	836.5	18.858	20.02
16QAM	167800	839	18.826	19.79
64QAM	166800	834	18.885	20.03
64QAM	167300	836.5	18.881	19.95
64QAM	167800	839	18.853	19.91
256QAM	166800	834	18.860	19.86
256QAM	167300	836.5	18.890	19.84
256QAM	167800	839	18.864	19.83

Spectrum Plot of Worst Value	
Occupied bandwidth	26 dB Bandwidth
	
QPSK CH 167800 (839 MHz)	64QAM CH 166800 (834 MHz)

7.4.3 NR n12 SCS 15 kHz

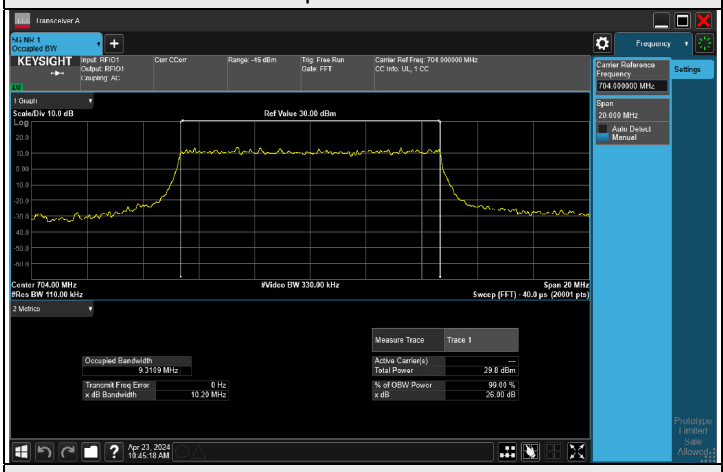
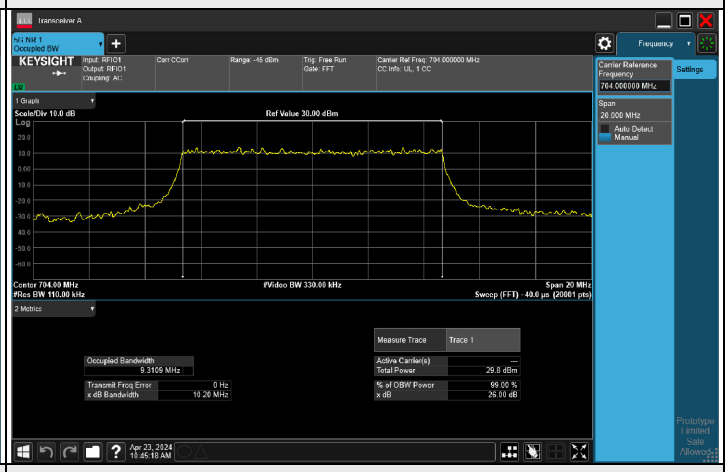
NR n12 SCS 15 kHz, Channel Bandwidth: 5 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	140300	701.5	4.4813	5.013
BPSK	141500	707.5	4.4474	4.976
BPSK	142700	713.5	4.4812	5.078
QPSK	140300	701.5	4.4631	4.834
QPSK	141500	707.5	4.4753	4.999
QPSK	142700	713.5	4.4781	5.051
16QAM	140300	701.5	4.4803	4.997
16QAM	141500	707.5	4.4792	4.980
16QAM	142700	713.5	4.4825	4.947
64QAM	140300	701.5	4.4751	5.032
64QAM	141500	707.5	4.4741	5.100
64QAM	142700	713.5	4.4511	4.980
256QAM	140300	701.5	4.4630	5.012
256QAM	141500	707.5	4.4784	5.069
256QAM	142700	713.5	4.4723	5.094

Spectrum Plot of Worst Value	
Occupied bandwidth	26 dB Bandwidth
	
16QAM CH 142700 (713.5 MHz)	64QAM CH 141500 (707.5 MHz)

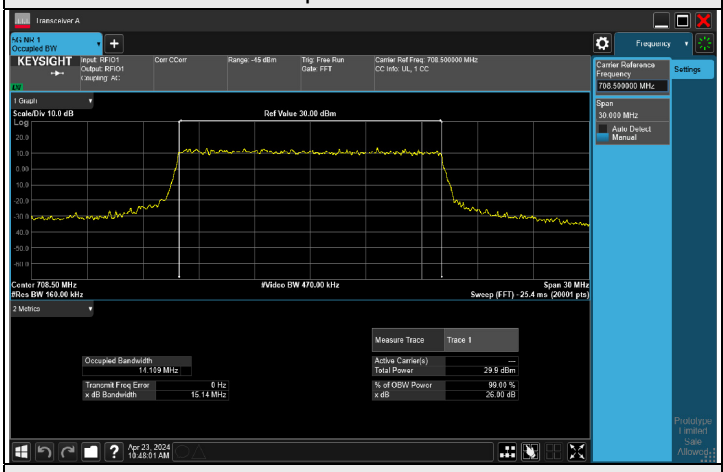
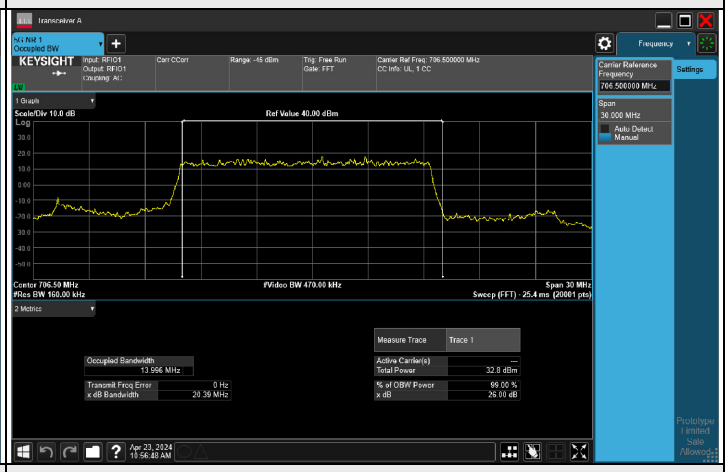
NR n12 SCS 15 kHz, Channel Bandwidth: 10 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	140800	704	9.1223	9.581
BPSK	141500	707.5	9.1946	9.668
BPSK	142200	711	9.2350	9.518
QPSK	140800	704	9.2624	9.891
QPSK	141500	707.5	9.2885	10.10
QPSK	142200	711	9.2600	9.840
16QAM	140800	704	9.3109	10.20
16QAM	141500	707.5	9.2909	9.945
16QAM	142200	711	9.2385	9.953
64QAM	140800	704	9.3084	10.00
64QAM	141500	707.5	9.2521	10.04
64QAM	142200	711	9.2607	10.04
256QAM	140800	704	9.2830	9.978
256QAM	141500	707.5	9.2767	9.981
256QAM	142200	711	9.2887	10.10

Spectrum Plot of Worst Value	
Occupied bandwidth	26 dB Bandwidth
	
16QAM CH 140800 (704 MHz)	16QAM CH 140800 (704 MHz)

NR n12 SCS 15 kHz, Channel Bandwidth: 15 MHz

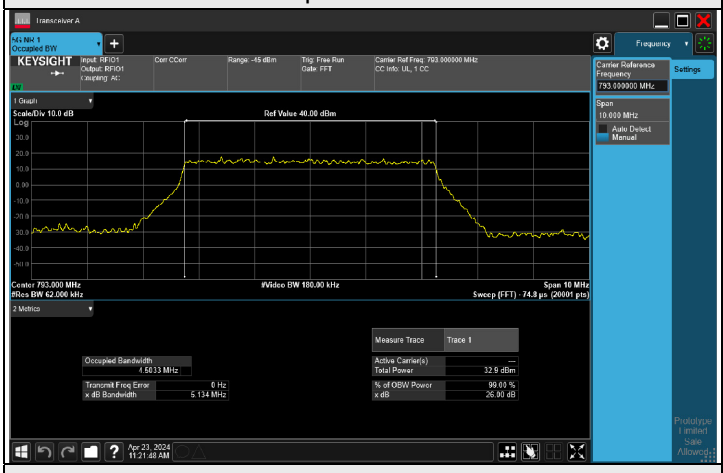
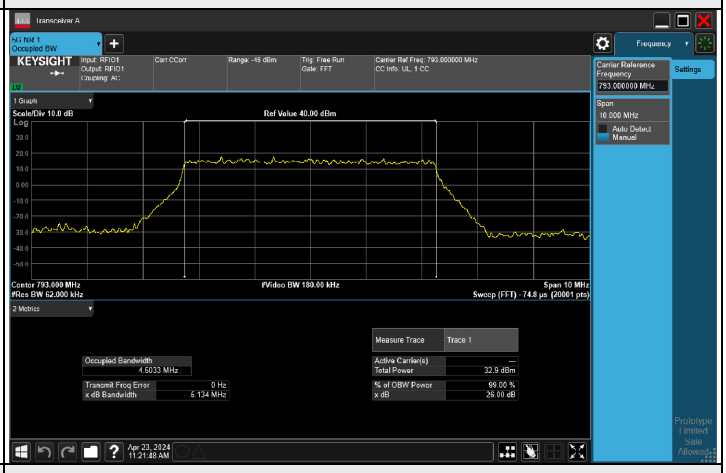
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	141300	706.5	13.996	20.39
BPSK	141500	707.5	13.975	14.06
BPSK	141700	708.5	13.966	14.37
QPSK	141300	706.5	14.076	15.05
QPSK	141500	707.5	14.061	14.98
QPSK	141700	708.5	14.037	14.97
16QAM	141300	706.5	14.047	15.03
16QAM	141500	707.5	14.104	14.97
16QAM	141700	708.5	14.109	15.14
64QAM	141300	706.5	14.079	14.85
64QAM	141500	707.5	14.050	14.99
64QAM	141700	708.5	14.067	15.04
256QAM	141300	706.5	14.068	14.93
256QAM	141500	707.5	14.074	15.00
256QAM	141700	708.5	14.070	14.98

Spectrum Plot of Worst Value	
Occupied bandwidth	26 dB Bandwidth
	
16QAM CH 141700 (708.5 MHz)	BPSK CH 141300 (706.5 MHz)

7.4.4 NR n14 SCS 15 kHz

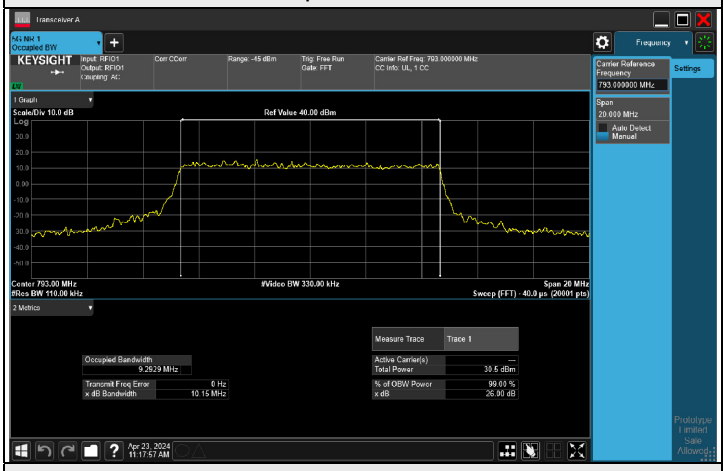
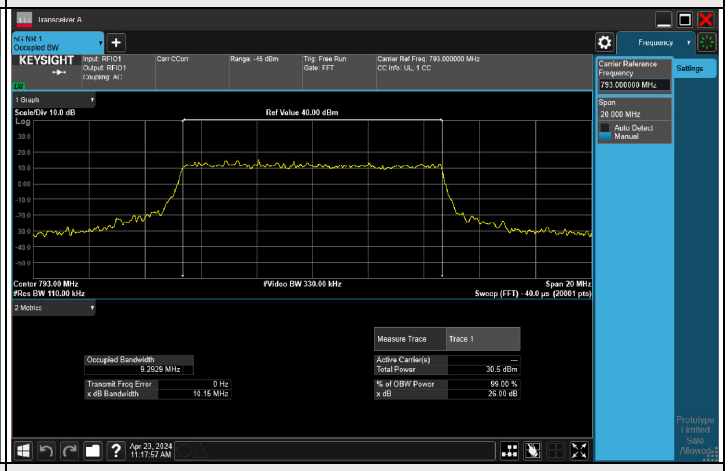
NR n14 SCS 15 kHz, Channel Bandwidth: 5 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	158100	790.5	4.4764	5.057
BPSK	158600	793	4.5033	5.134
BPSK	159100	795.5	4.4653	4.935
QPSK	158100	790.5	4.4634	4.999
QPSK	158600	793	4.4562	4.965
QPSK	159100	795.5	4.4634	4.952
16QAM	158100	790.5	4.4632	5.083
16QAM	158600	793	4.4802	4.990
16QAM	159100	795.5	4.4882	4.965
64QAM	158100	790.5	4.4521	4.937
64QAM	158600	793	4.4814	5.093
64QAM	159100	795.5	4.4664	5.077
256QAM	158100	790.5	4.4780	4.857
256QAM	158600	793	4.4660	4.945
256QAM	159100	795.5	4.4812	5.041

Spectrum Plot of Worst Value	
Occupied bandwidth	26 dB Bandwidth
	
BPSK CH 158600 (793 MHz)	BPSK CH 158600 (793 MHz)

NR n14 SCS 15 kHz, Channel Bandwidth: 10 MHz

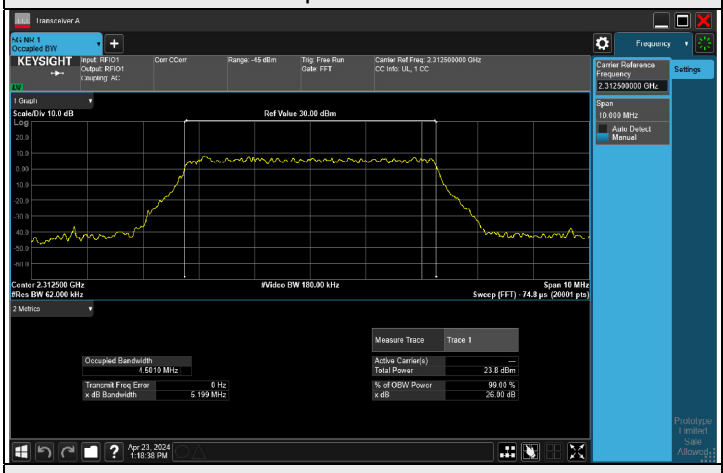
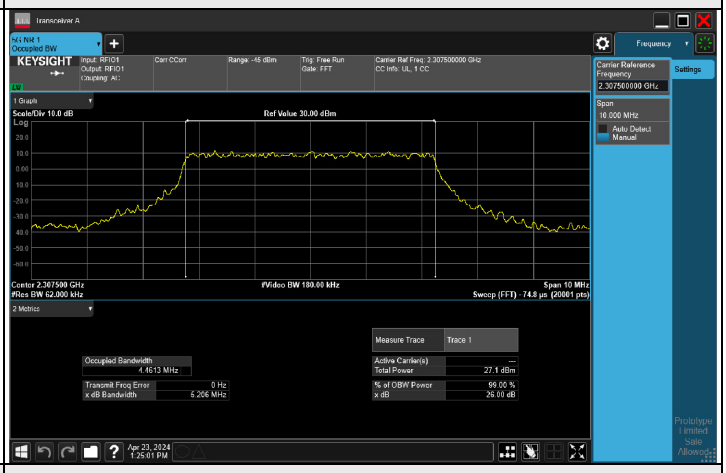
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	158600	793	9.1744	9.447
QPSK	158600	793	9.2730	10.01
16QAM	158600	793	9.2929	10.15
64QAM	158600	793	9.2723	10.01
256QAM	158600	793	9.2823	10.13

Spectrum Plot of Worst Value	
Occupied bandwidth	26 dB Bandwidth
	
16QAM CH 158600 (793 MHz)	16QAM CH 158600 (793 MHz)

7.4.5 NR n30 SCS 15 kHz

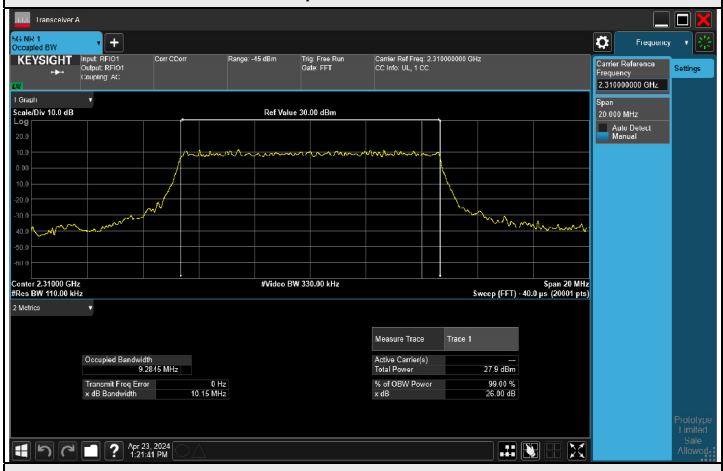
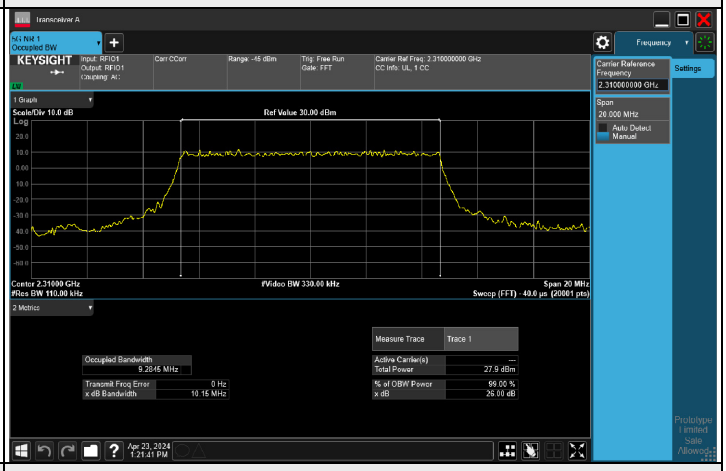
NR n30 SCS 15 kHz, Channel Bandwidth: 5 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	461500	2307.5	4.4582	4.910
BPSK	462000	2310	4.4593	5.008
BPSK	462500	2312.5	4.4730	4.979
QPSK	461500	2307.5	4.4574	5.078
QPSK	462000	2310	4.4763	5.107
QPSK	462500	2312.5	4.4614	4.911
16QAM	461500	2307.5	4.4815	5.017
16QAM	462000	2310	4.4710	5.080
16QAM	462500	2312.5	4.4764	5.102
64QAM	461500	2307.5	4.4613	5.206
64QAM	462000	2310	4.4660	5.030
64QAM	462500	2312.5	4.4703	5.072
256QAM	461500	2307.5	4.4861	5.144
256QAM	462000	2310	4.4643	4.946
256QAM	462500	2312.5	4.5010	5.199

Spectrum Plot of Worst Value	
Occupied bandwidth	26 dB Bandwidth
	
256QAM CH 462500 (2312.5 MHz)	64QAM CH 461500 (2307.5 MHz)

NR n30 SCS 15 kHz, Channel Bandwidth: 10 MHz

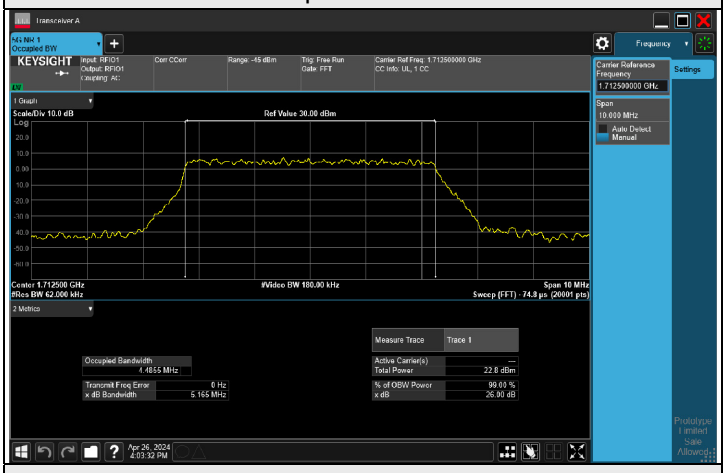
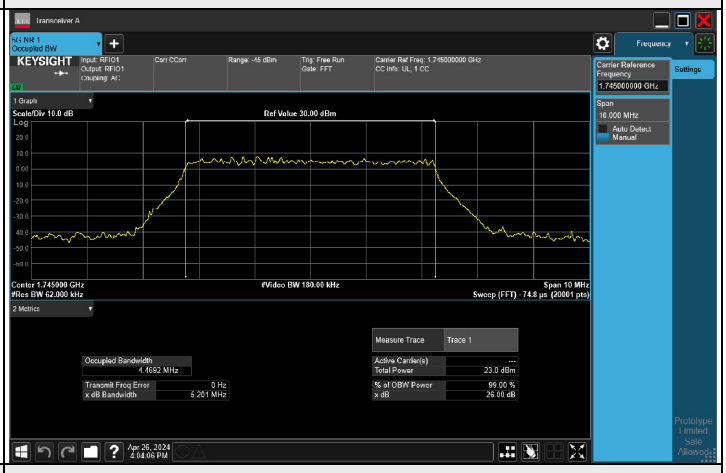
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	462000	2310	9.1920	9.681
QPSK	462000	2310	9.2845	10.15
16QAM	462000	2310	9.2806	9.913
64QAM	462000	2310	9.2648	10.05
256QAM	462000	2310	9.2705	10.05

Spectrum Plot of Worst Value	
Occupied bandwidth	26 dB Bandwidth
	
QPSK CH 462000 (2310 MHz)	QPSK CH 462000 (2310 MHz)

7.4.6 NR n66 SCS 15 kHz

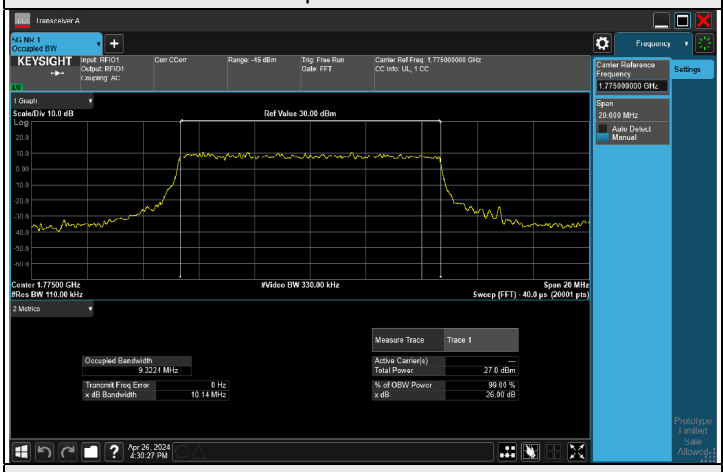
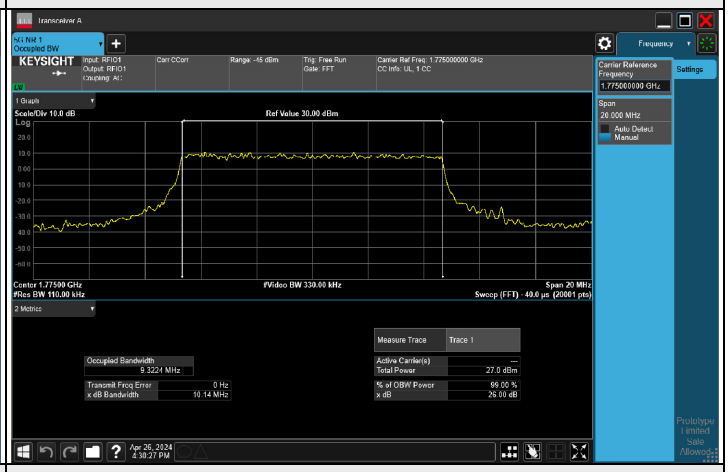
NR n66 SCS 15 kHz, Channel Bandwidth: 5 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	342500	1712.5	4.4724	4.994
BPSK	349000	1745	4.4644	4.990
BPSK	355500	1777.5	4.4661	5.111
QPSK	342500	1712.5	4.4852	5.125
QPSK	349000	1745	4.4672	5.055
QPSK	355500	1777.5	4.4742	5.055
16QAM	342500	1712.5	4.4702	5.002
16QAM	349000	1745	4.4762	5.051
16QAM	355500	1777.5	4.4503	4.887
64QAM	342500	1712.5	4.4714	5.066
64QAM	349000	1745	4.4712	5.164
64QAM	355500	1777.5	4.4682	5.003
256QAM	342500	1712.5	4.4855	5.165
256QAM	349000	1745	4.4692	5.201
256QAM	355500	1777.5	4.4735	5.063

Spectrum Plot of Worst Value	
Occupied bandwidth	26 dB Bandwidth
	
256QAM CH 342500 (1712.5 MHz)	256QAM CH 349000 (1745 MHz)

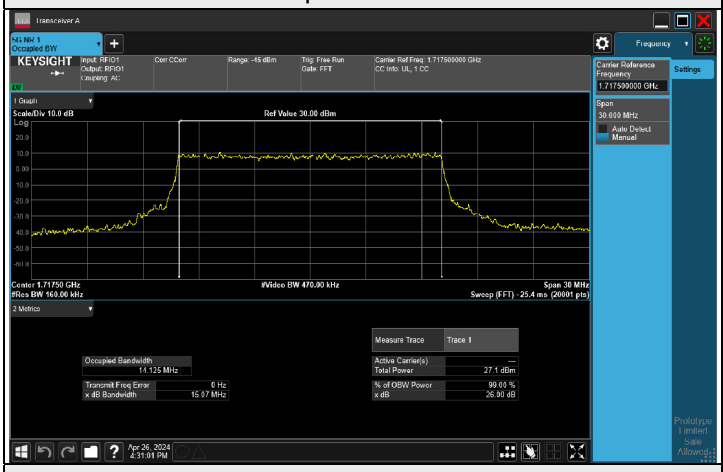
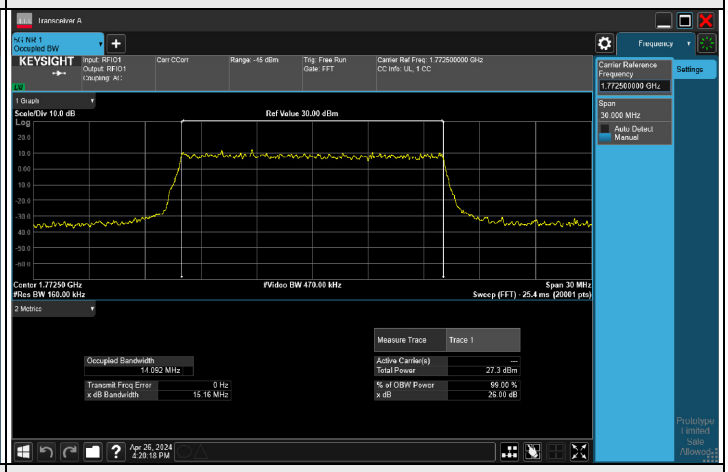
NR n66 SCS 15 kHz, Channel Bandwidth: 10 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	343000	1715	9.1667	9.599
BPSK	349000	1745	9.1489	9.650
BPSK	355000	1775	9.2008	9.706
QPSK	343000	1715	9.2944	9.986
QPSK	349000	1745	9.2781	10.08
QPSK	355000	1775	9.2669	9.964
16QAM	343000	1715	9.2708	9.969
16QAM	349000	1745	9.3021	10.07
16QAM	355000	1775	9.3224	10.14
64QAM	343000	1715	9.2927	9.922
64QAM	349000	1745	9.2886	9.962
64QAM	355000	1775	9.2887	9.973
256QAM	343000	1715	9.2784	10.02
256QAM	349000	1745	9.2927	10.11
256QAM	355000	1775	9.2382	10.04

Spectrum Plot of Worst Value	
Occupied bandwidth	26 dB Bandwidth
	
16QAM CH 355000 (1775 MHz)	16QAM CH 355000 (1775 MHz)

NR n66 SCS 15 kHz, Channel Bandwidth: 15 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	343500	1717.5	13.950	14.21
BPSK	349000	1745	13.951	14.15
BPSK	354500	1772.5	13.960	14.26
QPSK	343500	1717.5	14.097	14.96
QPSK	349000	1745	14.074	15.02
QPSK	354500	1772.5	14.092	15.16
16QAM	343500	1717.5	14.125	15.07
16QAM	349000	1745	14.043	14.93
16QAM	354500	1772.5	14.091	14.90
64QAM	343500	1717.5	14.112	15.01
64QAM	349000	1745	14.080	15.01
64QAM	354500	1772.5	14.097	14.93
256QAM	343500	1717.5	14.083	15.09
256QAM	349000	1745	14.080	14.97
256QAM	354500	1772.5	14.068	15.02

Spectrum Plot of Worst Value	
Occupied bandwidth	26 dB Bandwidth
	
16QAM CH 343500 (1717.5 MHz)	QPSK CH 354500 (1772.5 MHz)