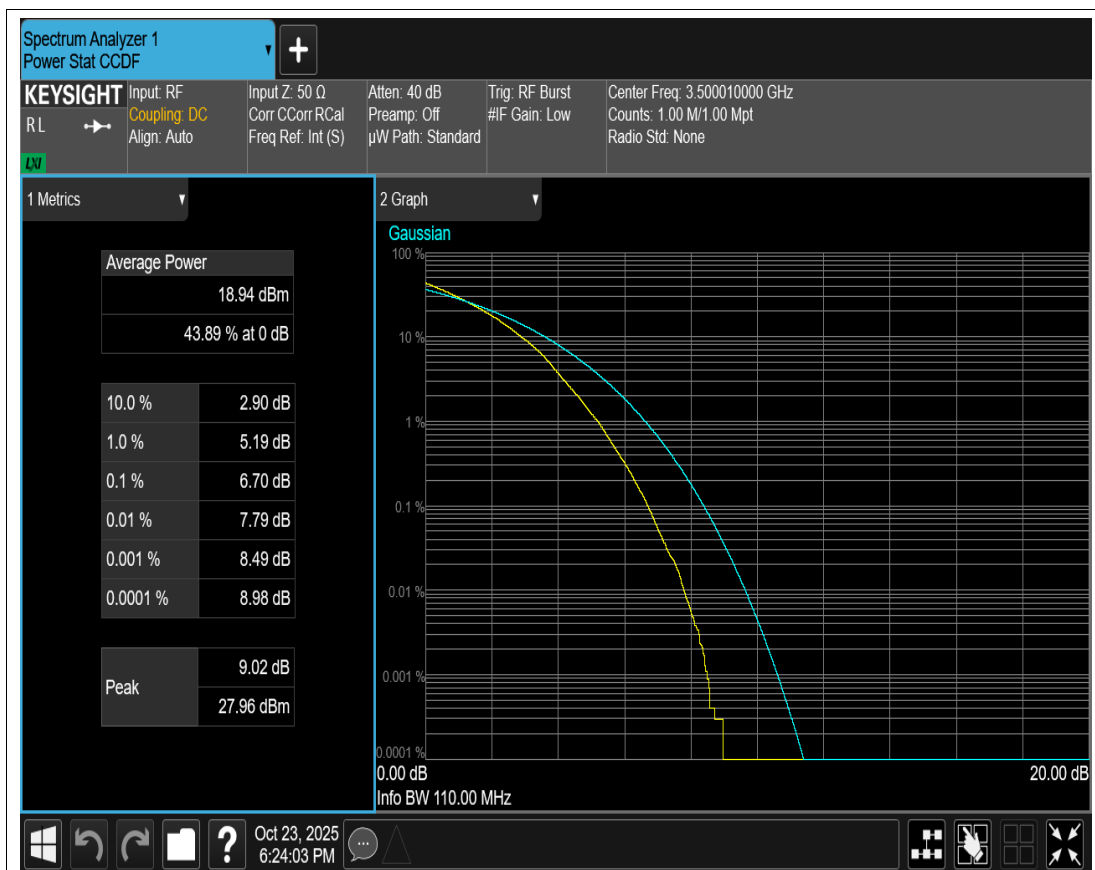
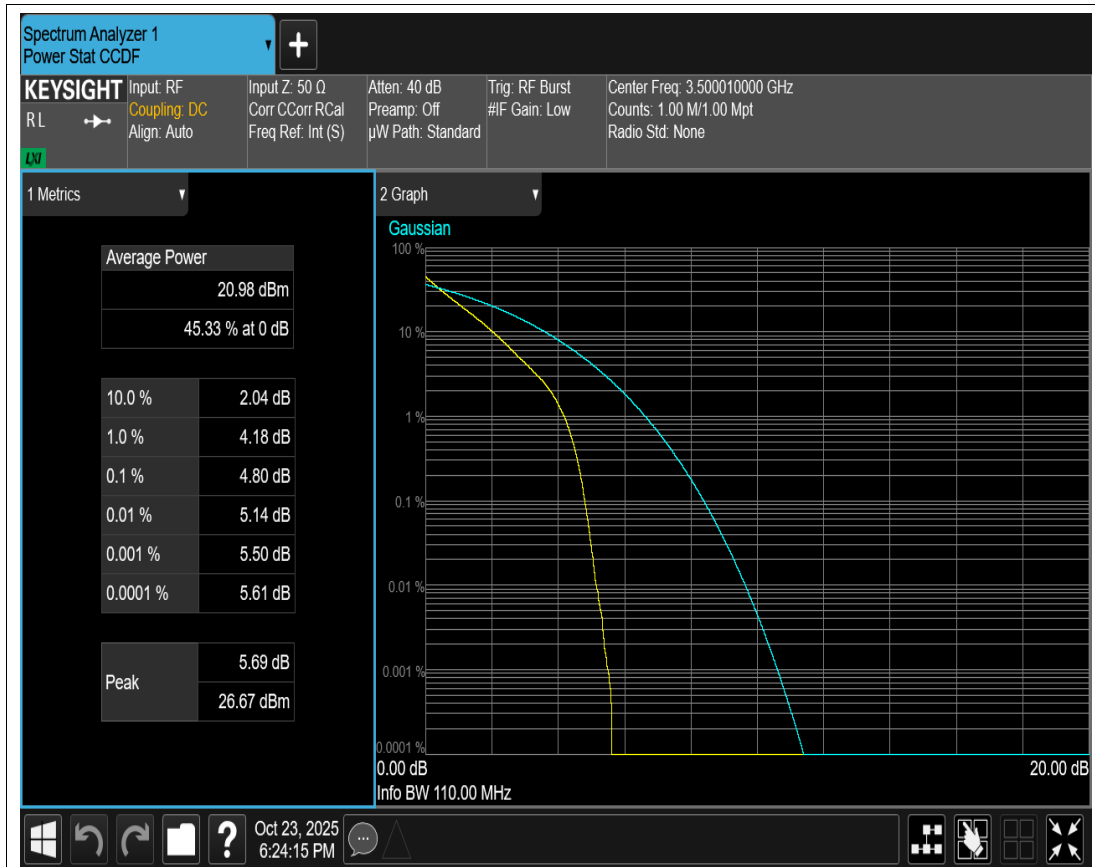




n78(3450-3550) SCS=30kHz DFT_64QAM BW=40MHz Channel=633334 RB=100@0



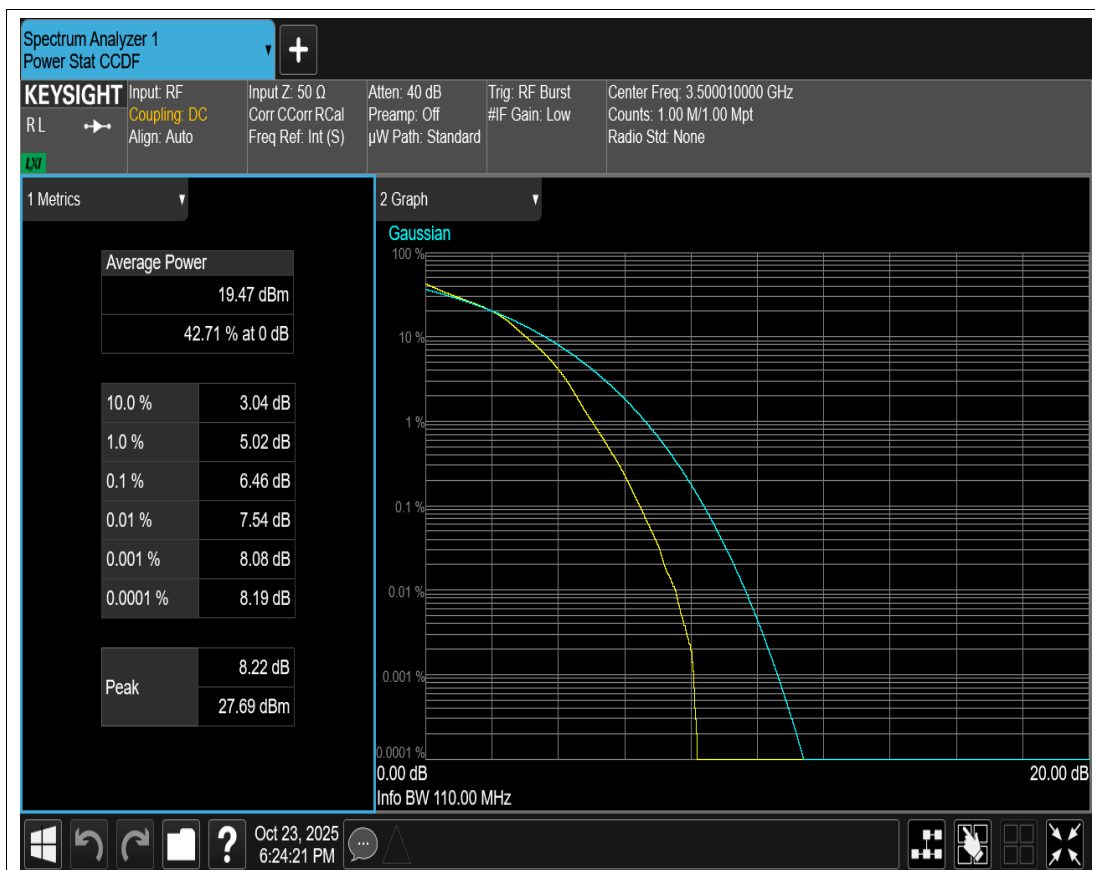
n78(3450-3550) SCS=30kHz DFT_256QAM BW=40MHz Channel=633334 RB=100@0



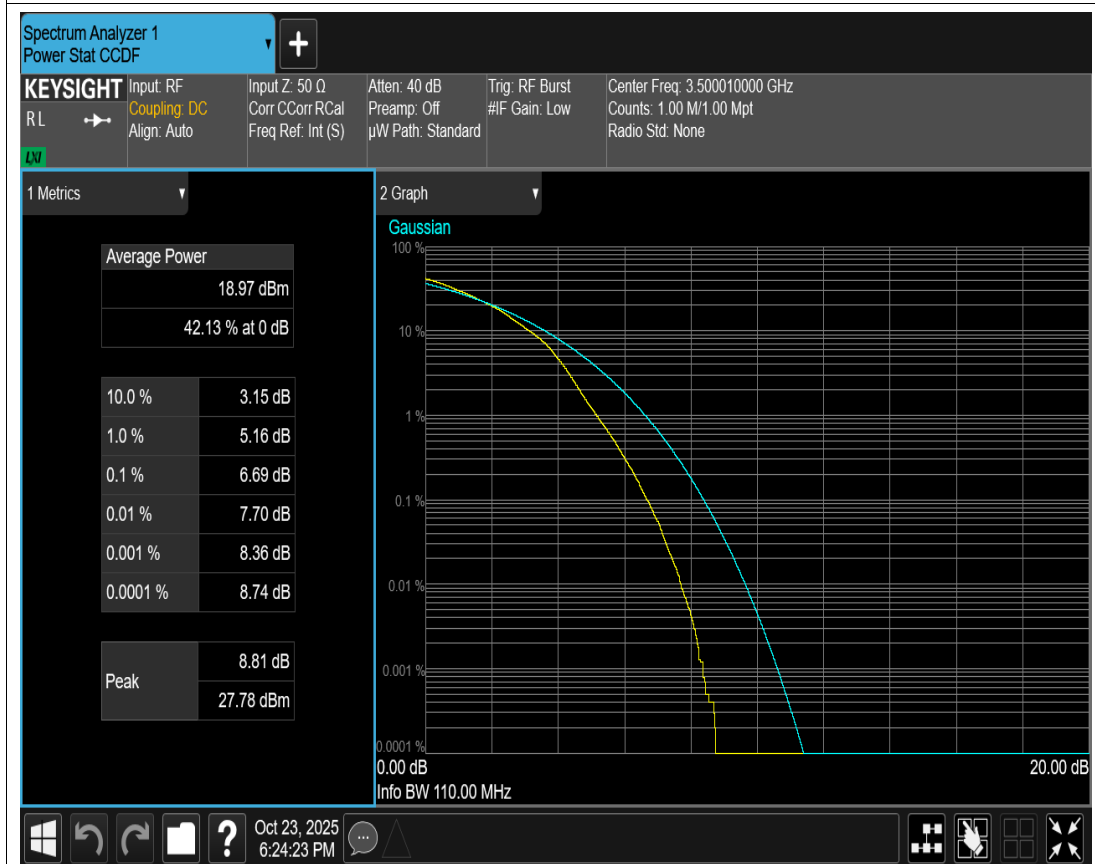
n78(3450-3550) SCS=30kHz DFT_BPSK BW=50MHz Channel=633334 RB=128@0



n78(3450-3550) SCS=30kHz DFT_QPSK BW=50MHz Channel=633334 RB=128@0



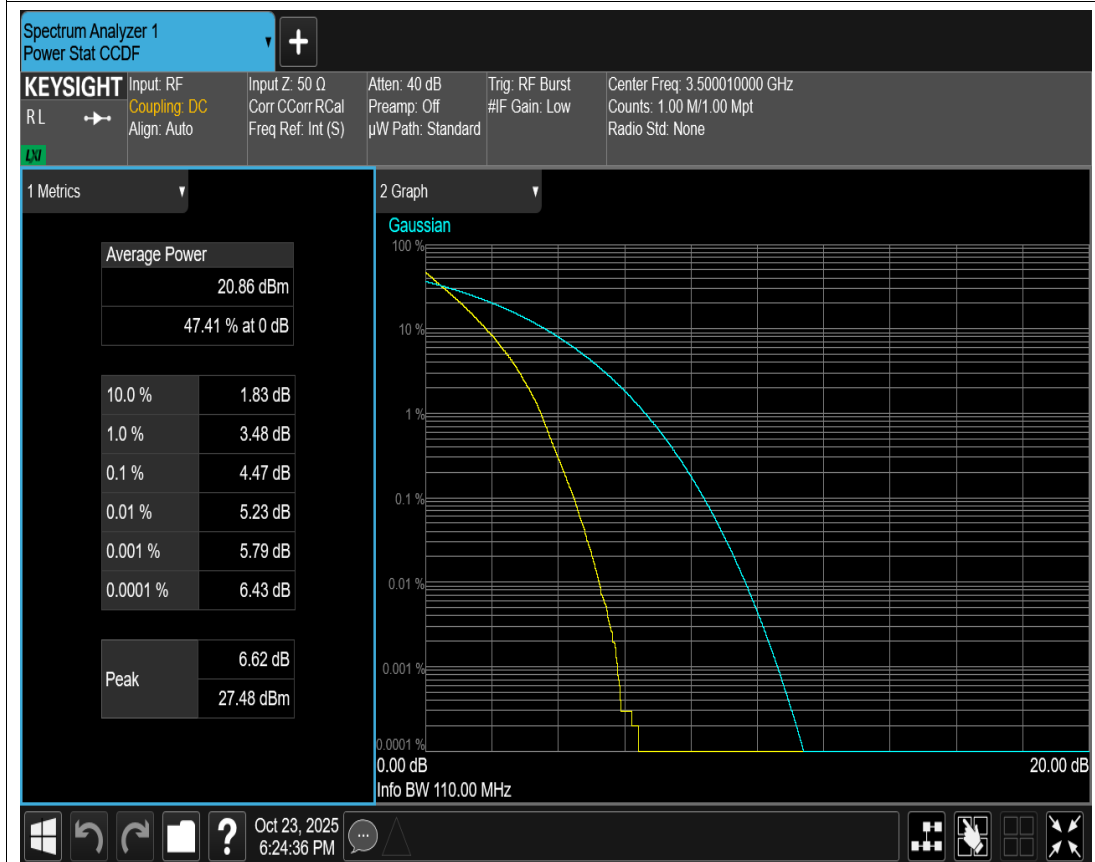
n78(3450-3550) SCS=30kHz DFT_16QAM BW=50MHz Channel=633334 RB=128@0



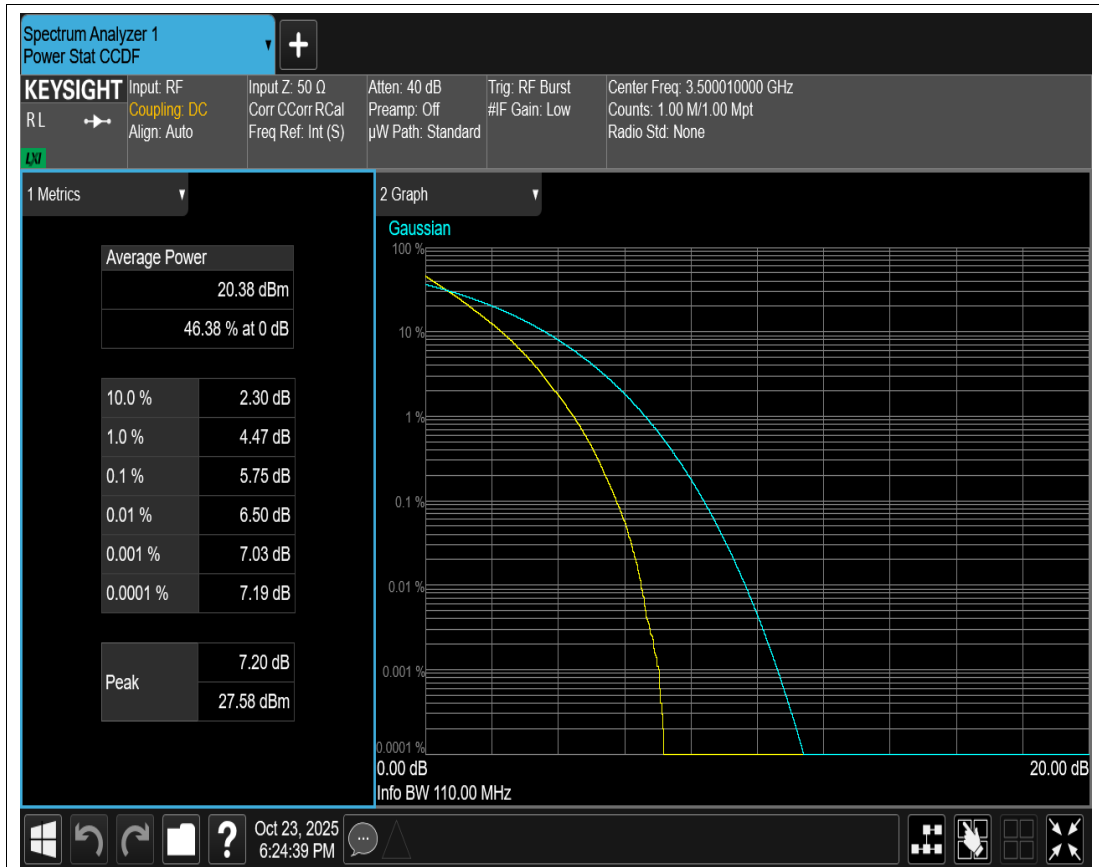
n78(3450-3550) SCS=30kHz DFT_64QAM BW=50MHz Channel=633334 RB=128@0



n78(3450-3550) SCS=30kHz DFT_256QAM BW=50MHz Channel=633334 RB=128@0



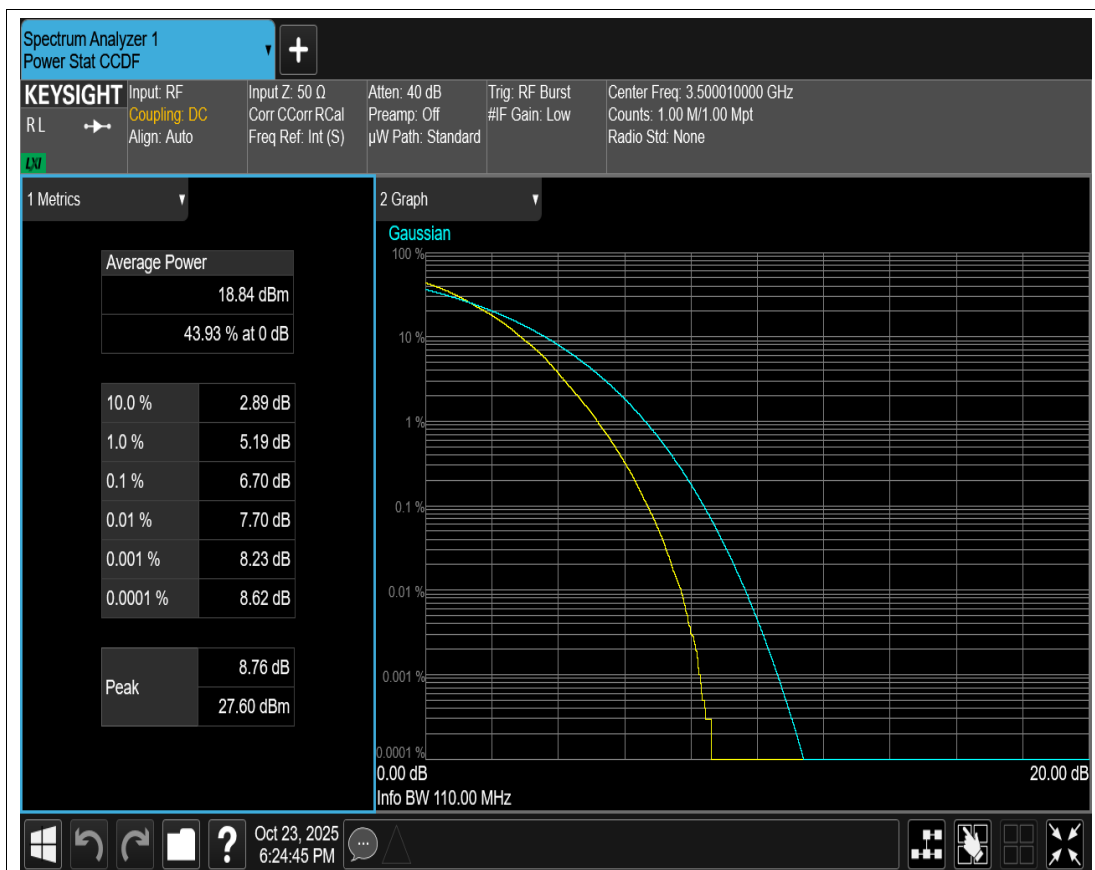
n78(3450-3550) SCS=30kHz DFT_BPSK BW=60MHz Channel=633334 RB=162@0



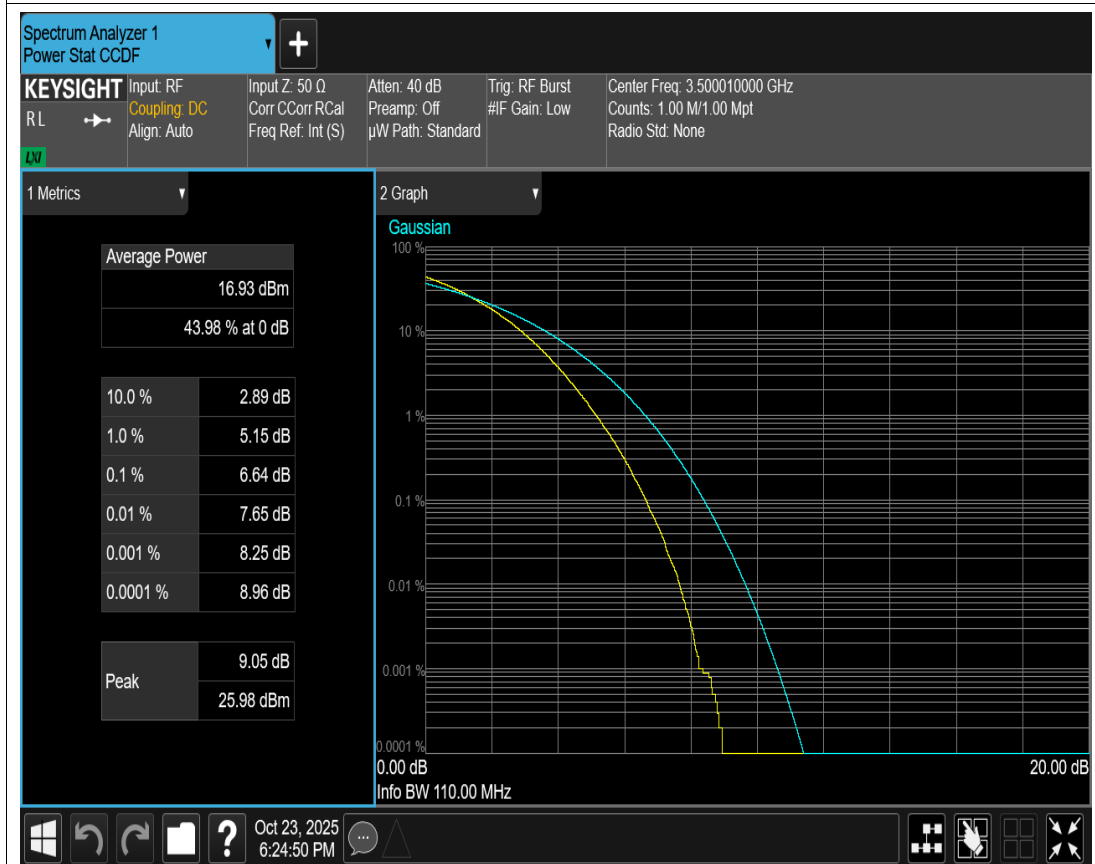
n78(3450-3550) SCS=30kHz DFT_QPSK BW=60MHz Channel=633334 RB=162@0



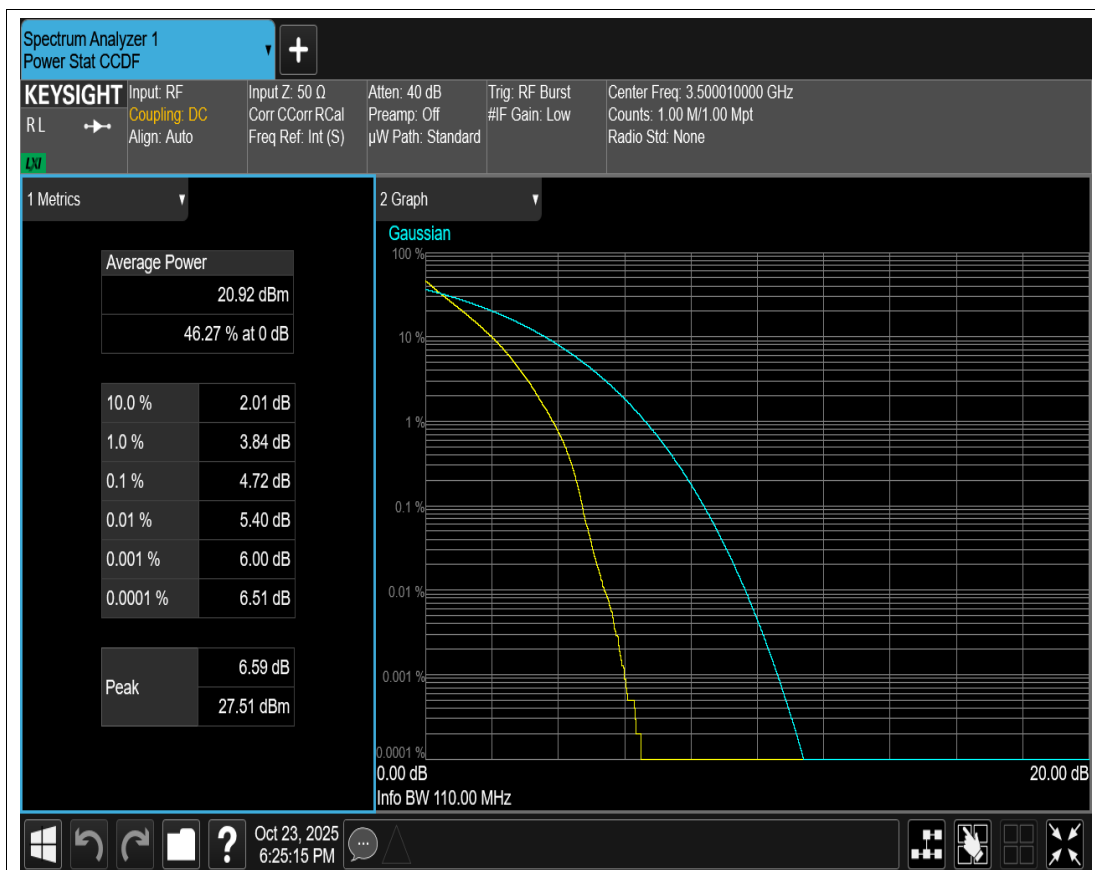
n78(3450-3550) SCS=30kHz DFT_16QAM BW=60MHz Channel=633334 RB=162@0



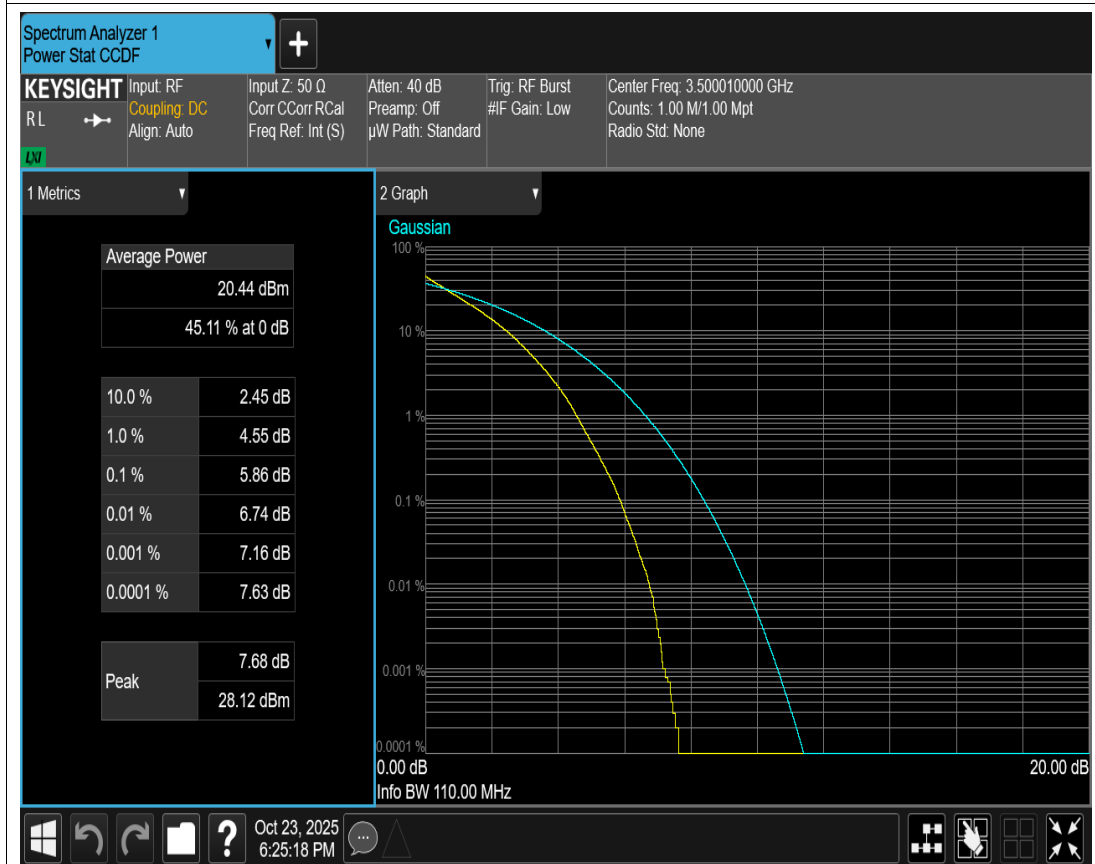
n78(3450-3550) SCS=30kHz DFT_64QAM BW=60MHz Channel=633334 RB=162@0



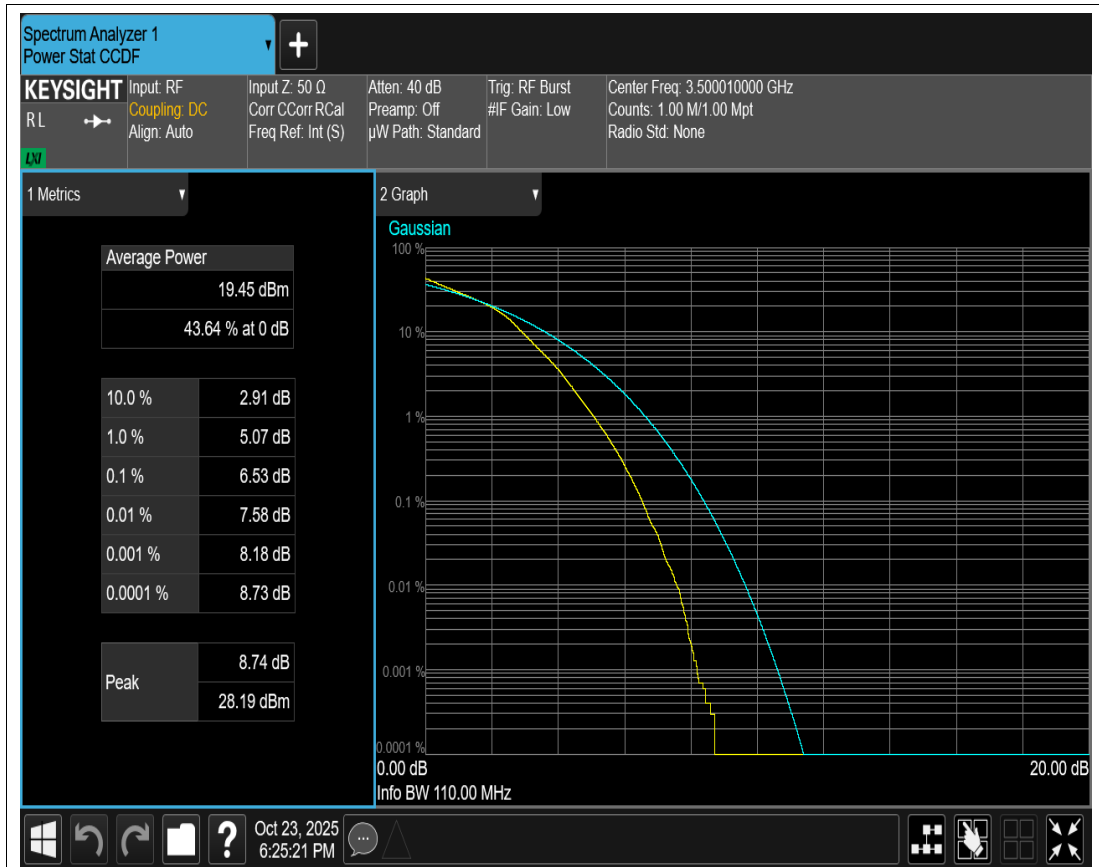
n78(3450-3550) SCS=30kHz DFT_256QAM BW=60MHz Channel=633334 RB=162@0



n78(3450-3550) SCS=30kHz DFT_BPSK BW=70MHz Channel=633334 RB=180@0



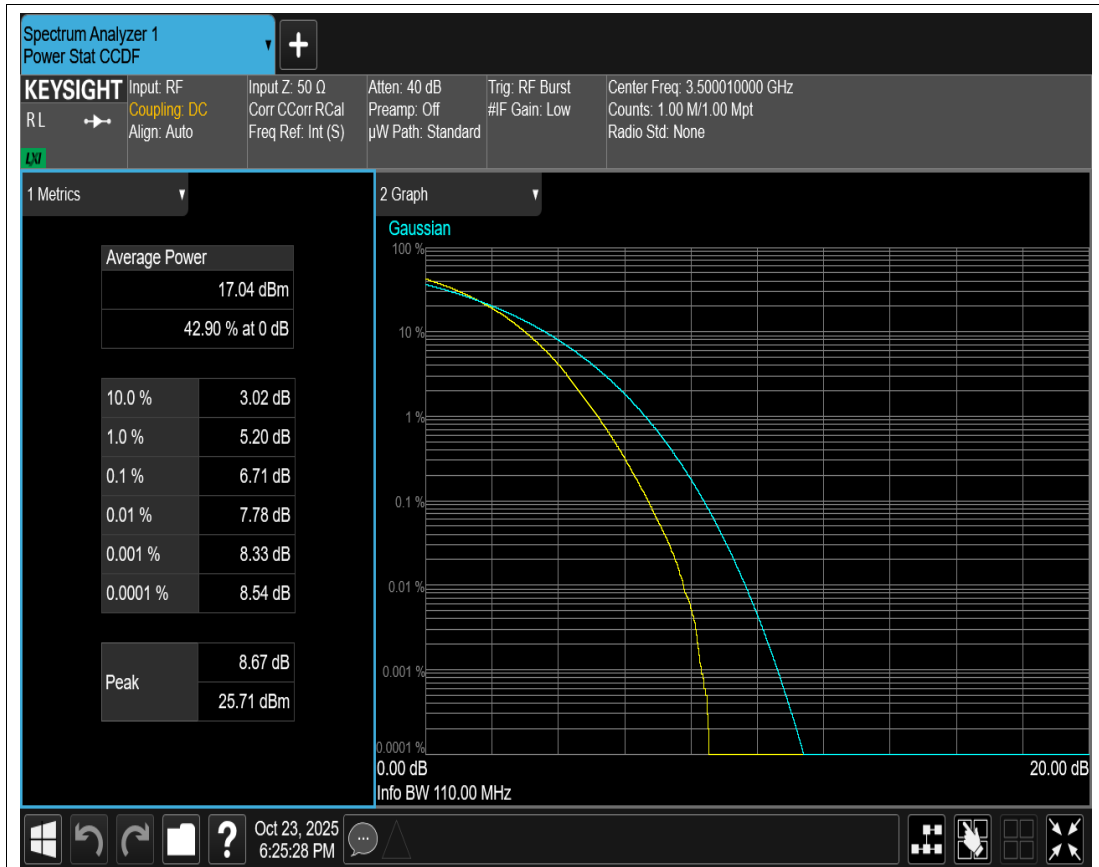
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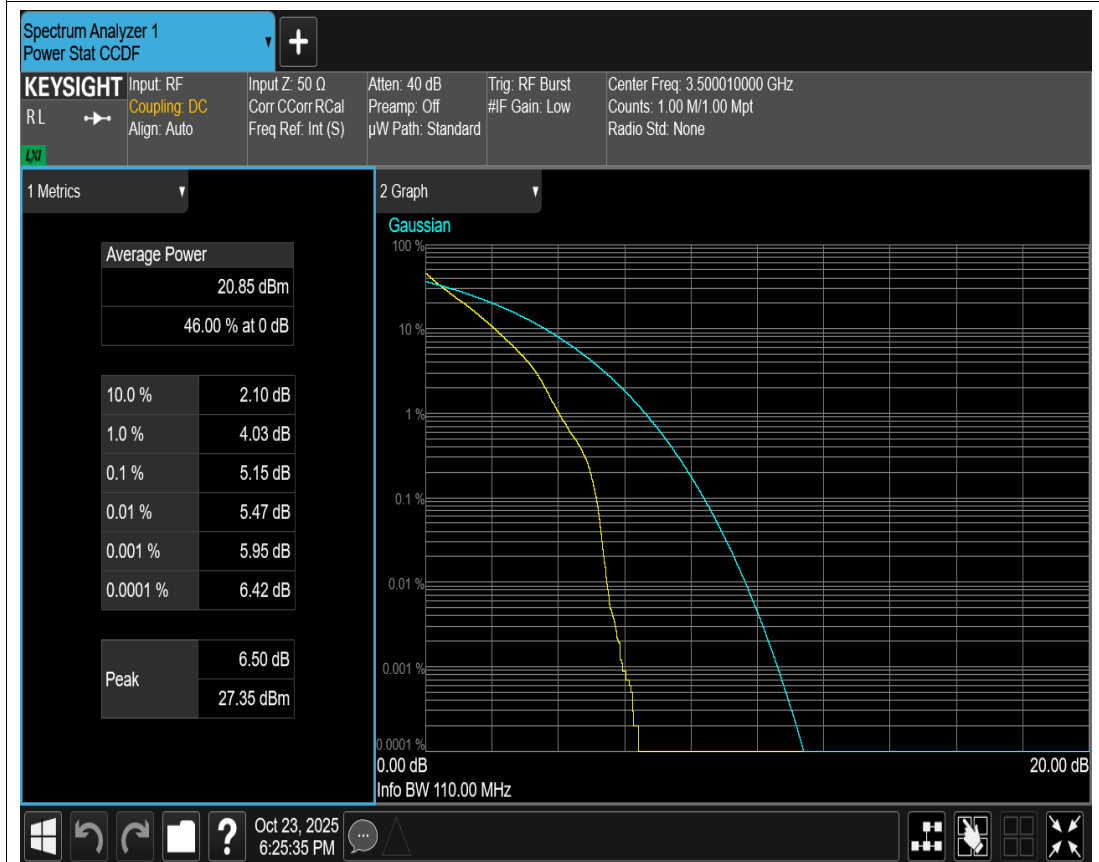
n78(3450-3550) SCS=30kHz DFT_16QAM BW=70MHz Channel=633334 RB=180@0



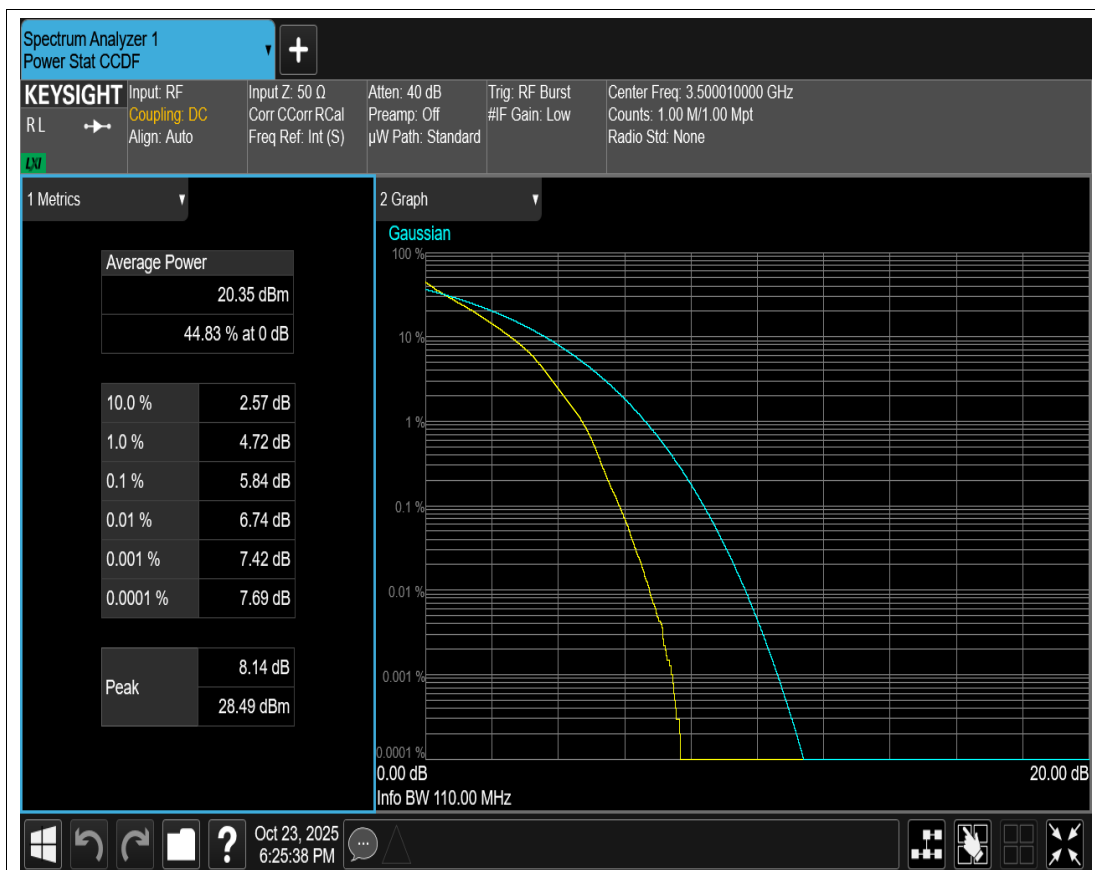
n78(3450-3550) SCS=30kHz DFT_64QAM BW=70MHz Channel=633334 RB=180@0



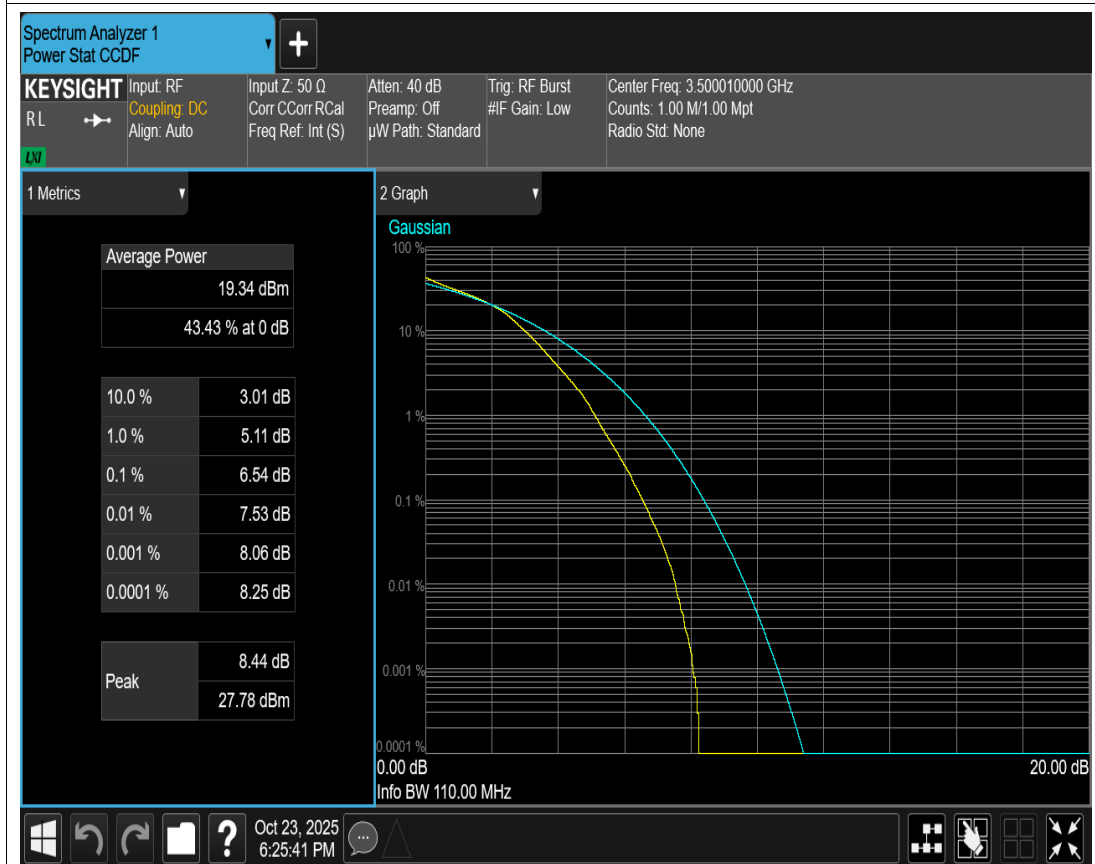
n78(3450-3550) SCS=30kHz DFT_256QAM BW=70MHz Channel=633334 RB=180@0



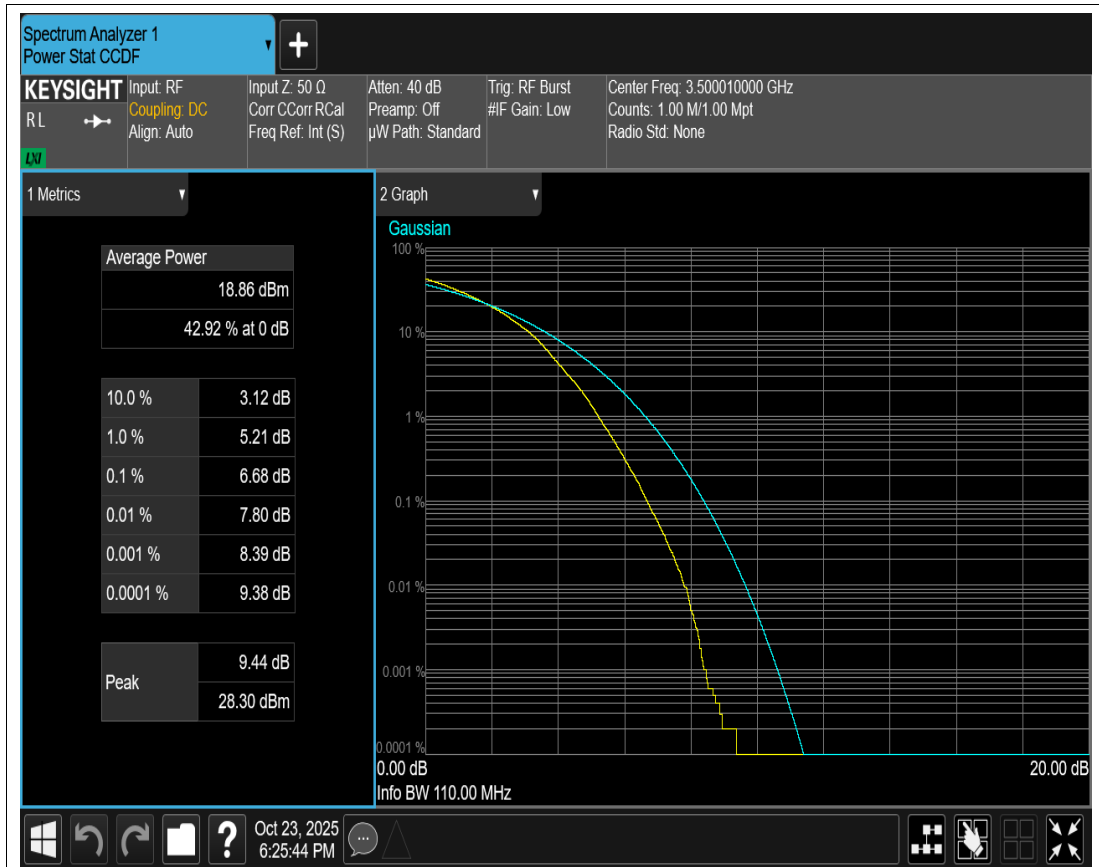
n78(3450-3550) SCS=30kHz DFT_BPSK BW=80MHz Channel=633334 RB=216@0



n78(3450-3550) SCS=30kHz DFT_QPSK BW=80MHz Channel=633334 RB=216@0



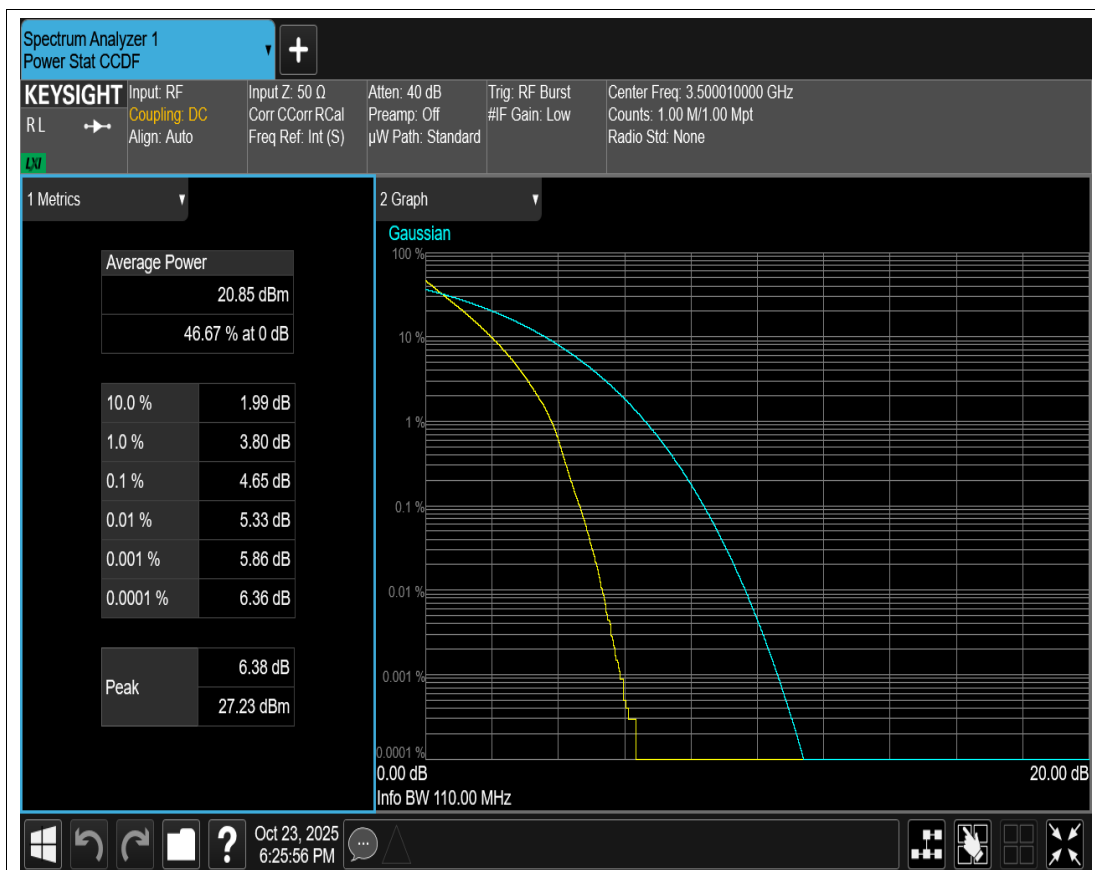
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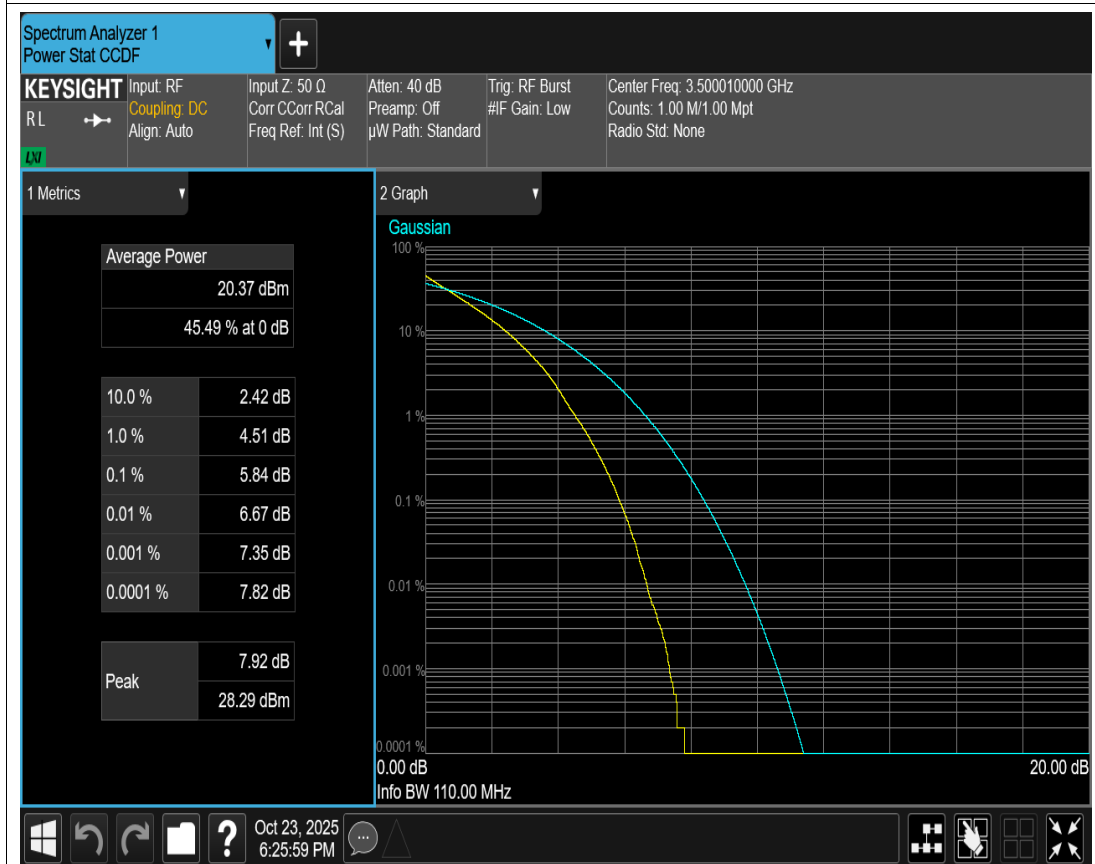
n78(3450-3550) SCS=30kHz DFT_64QAM BW=80MHz Channel=633334 RB=216@0



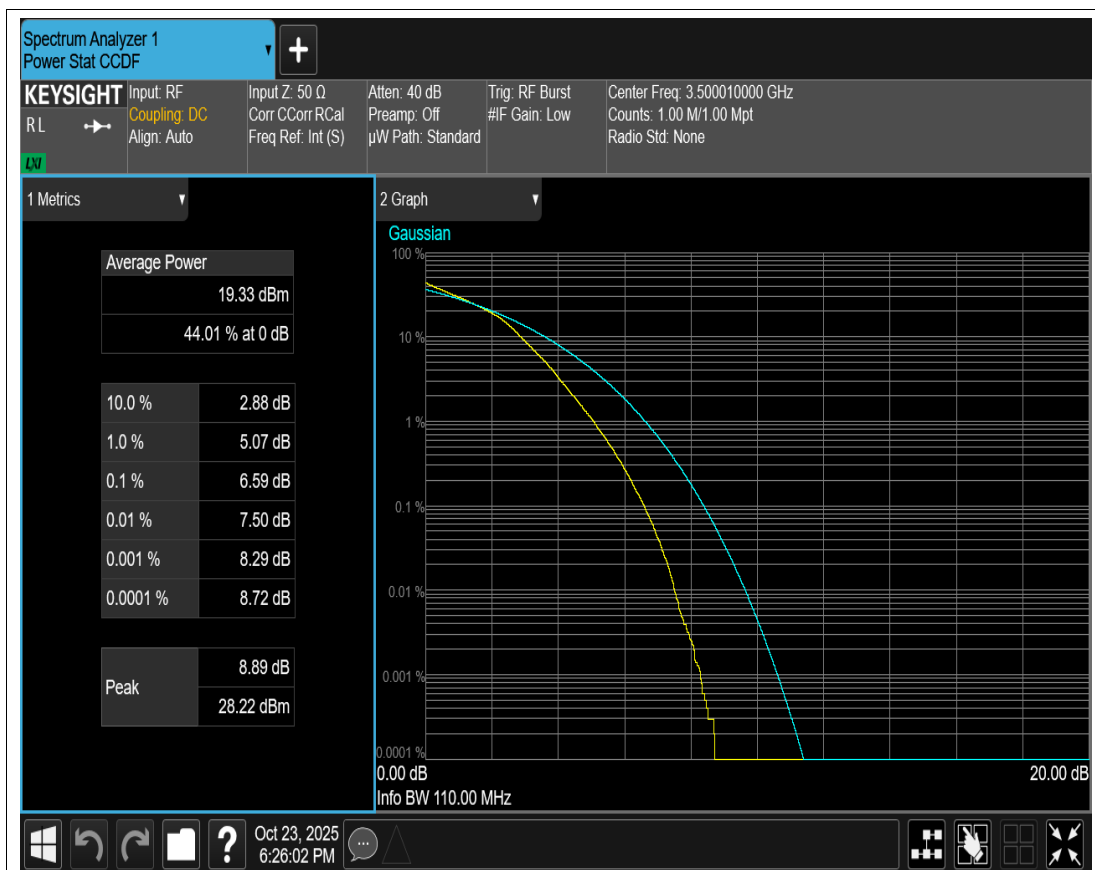
n78(3450-3550) SCS=30kHz DFT_256QAM BW=80MHz Channel=633334 RB=216@0



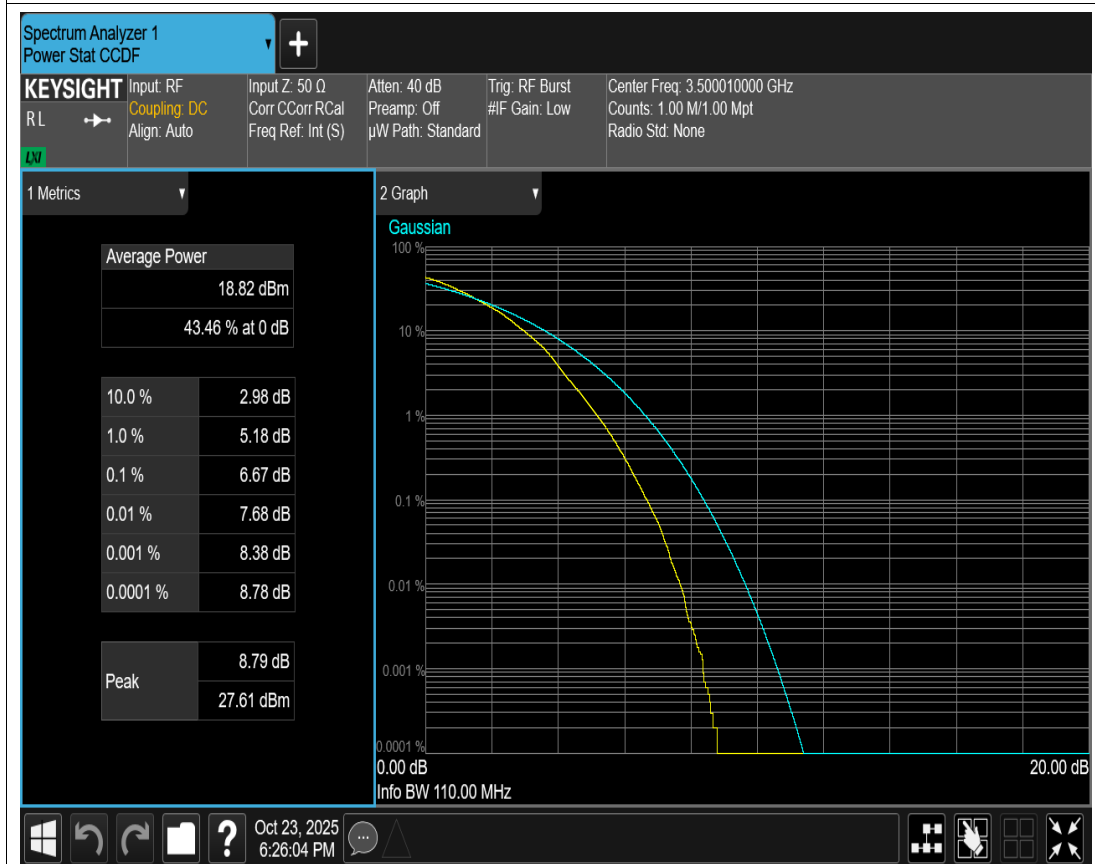
n78(3450-3550) SCS=30kHz DFT_BPSK BW=90MHz Channel=633334 RB=243@0



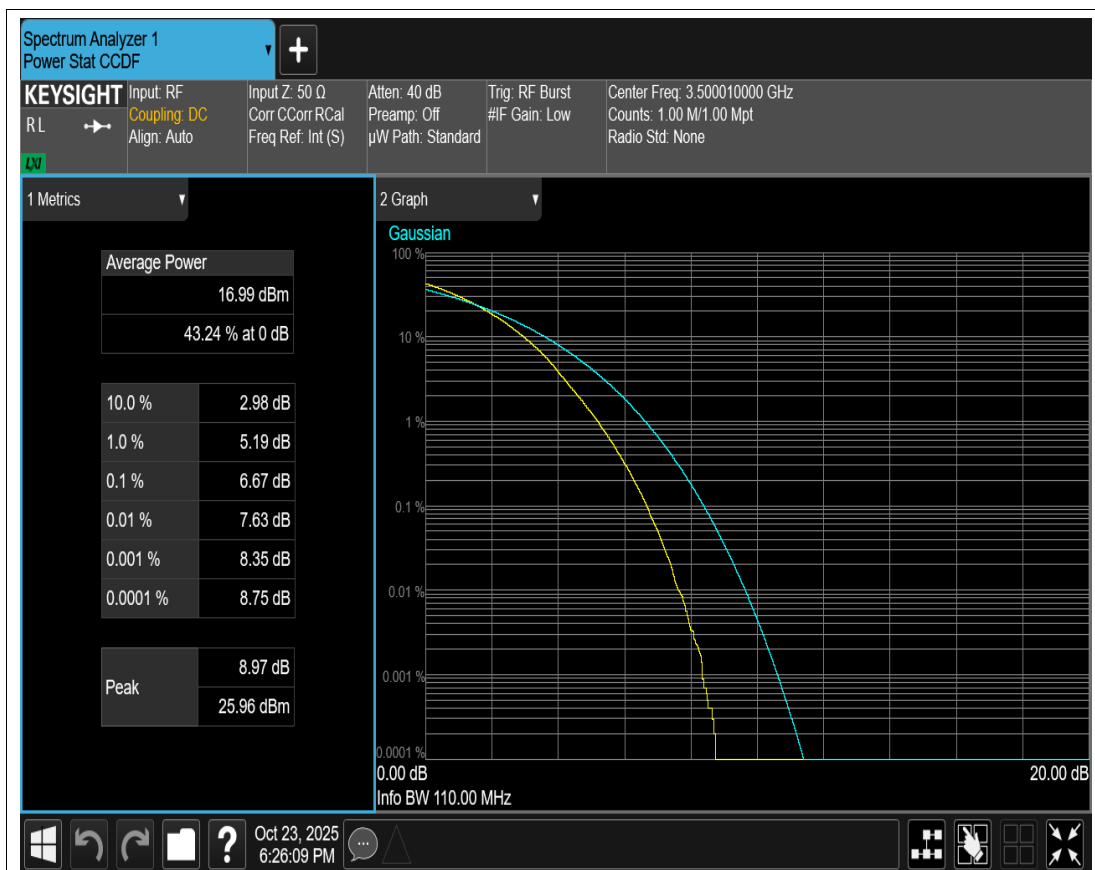
n78(3450-3550) SCS=30kHz DFT_QPSK BW=90MHz Channel=633334 RB=243@0



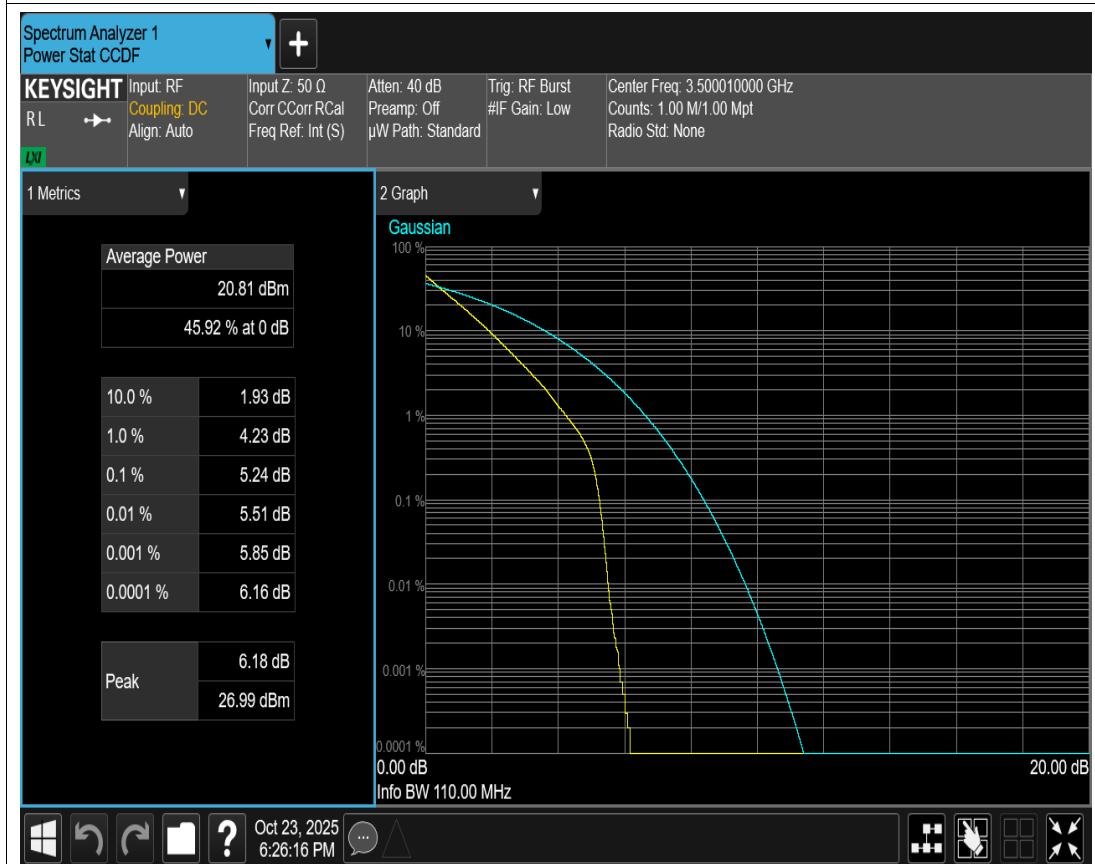
n78(3450-3550) SCS=30kHz DFT_16QAM BW=90MHz Channel=633334 RB=243@0



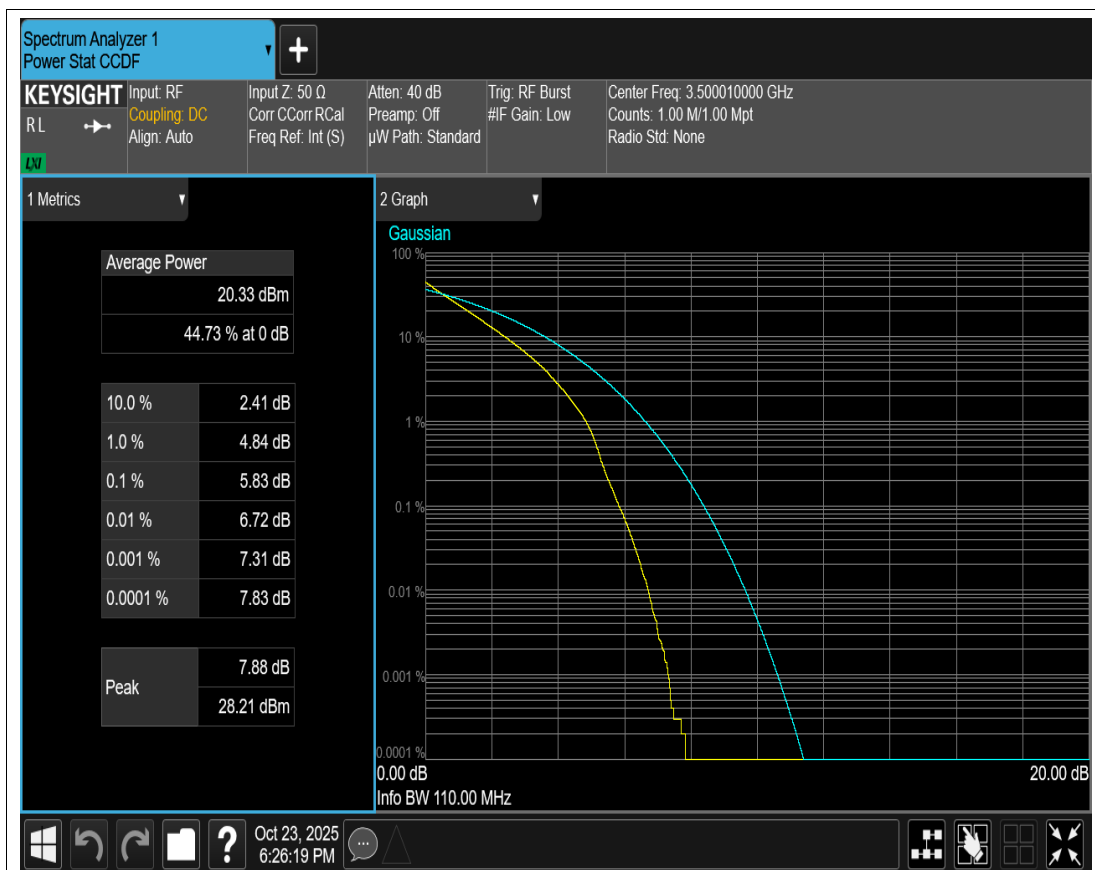
n78(3450-3550) SCS=30kHz DFT_64QAM BW=90MHz Channel=633334 RB=243@0



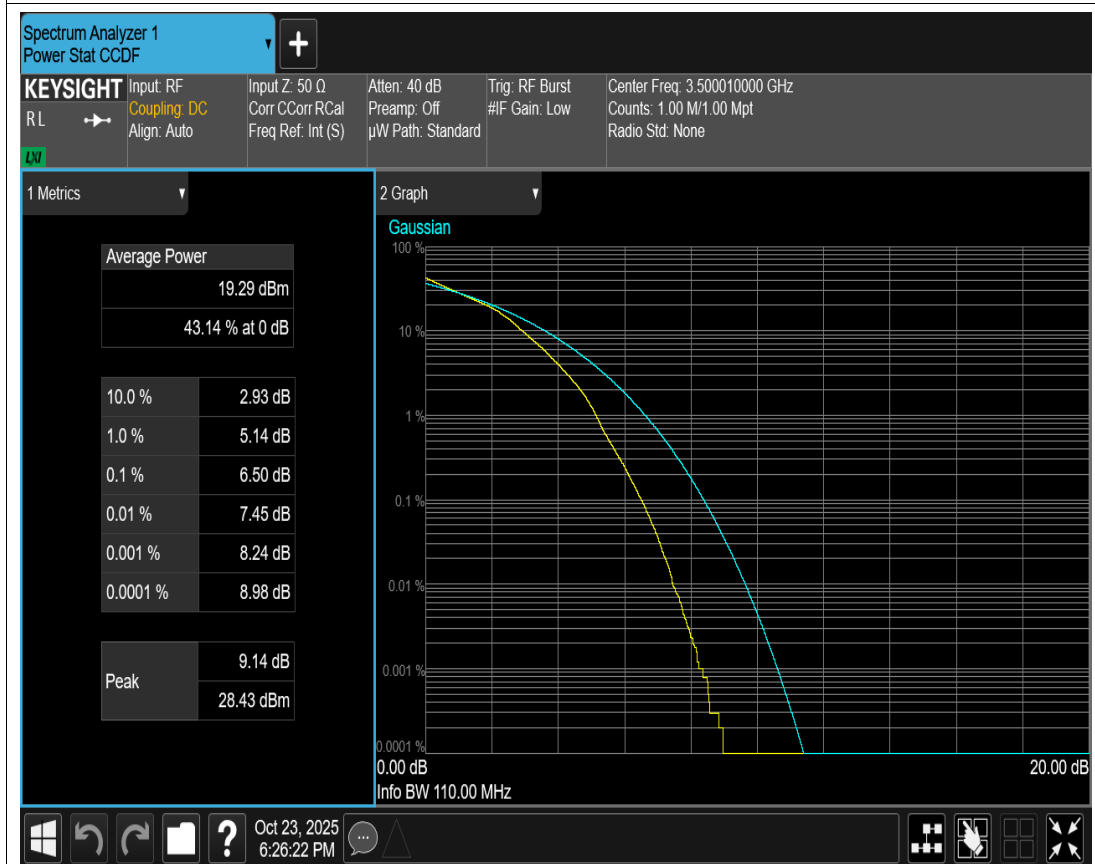
n78(3450-3550) SCS=30kHz DFT_256QAM BW=90MHz Channel=633334 RB=243@0



n78(3450-3550) SCS=30kHz DFT_BPSK BW=100MHz Channel=633334 RB=270@0



n78(3450-3550) SCS=30kHz DFT_QPSK BW=100MHz Channel=633334 RB=270@0



n78(3450-3550) SCS=30kHz DFT_16QAM BW=100MHz Channel=633334 RB=270@0



n78(3450-3550) SCS=30kHz DFT_64QAM BW=100MHz Channel=633334 RB=270@0

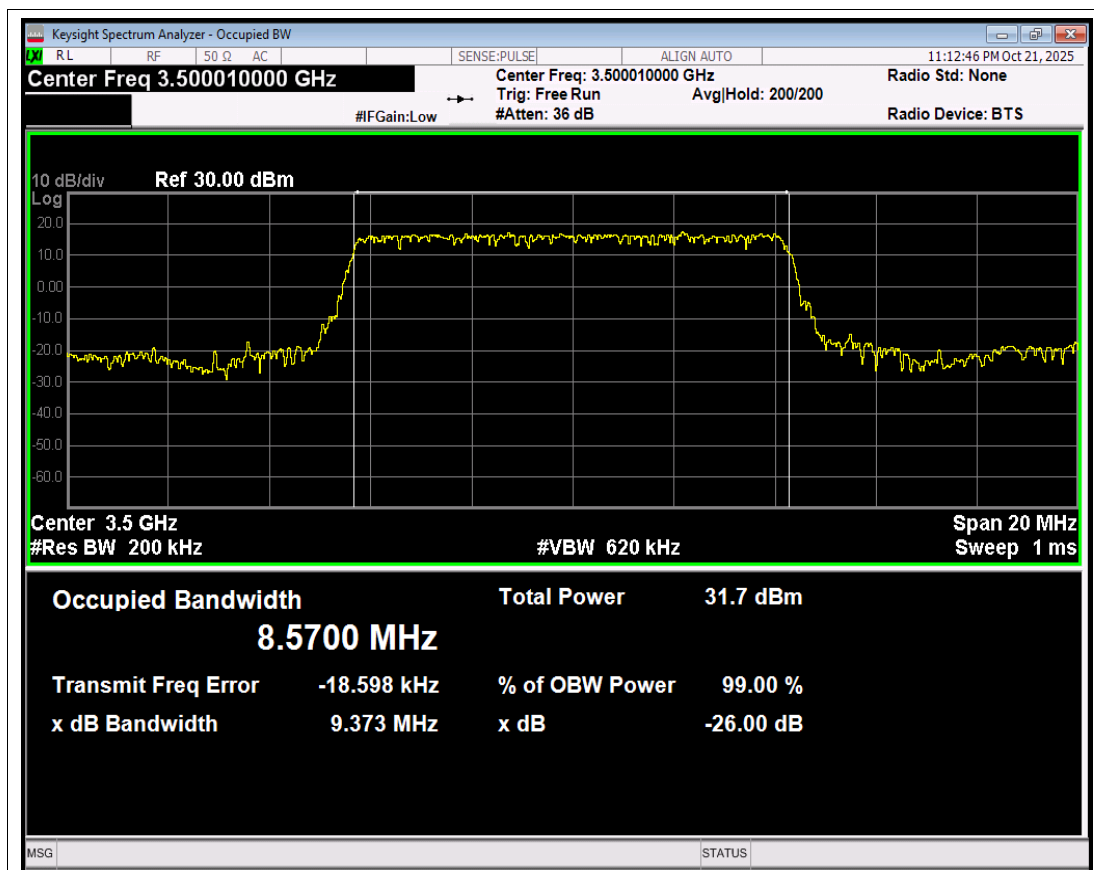


n78(3450-3550) SCS=30kHz DFT_256QAM BW=100MHz Channel=633334 RB=270@0

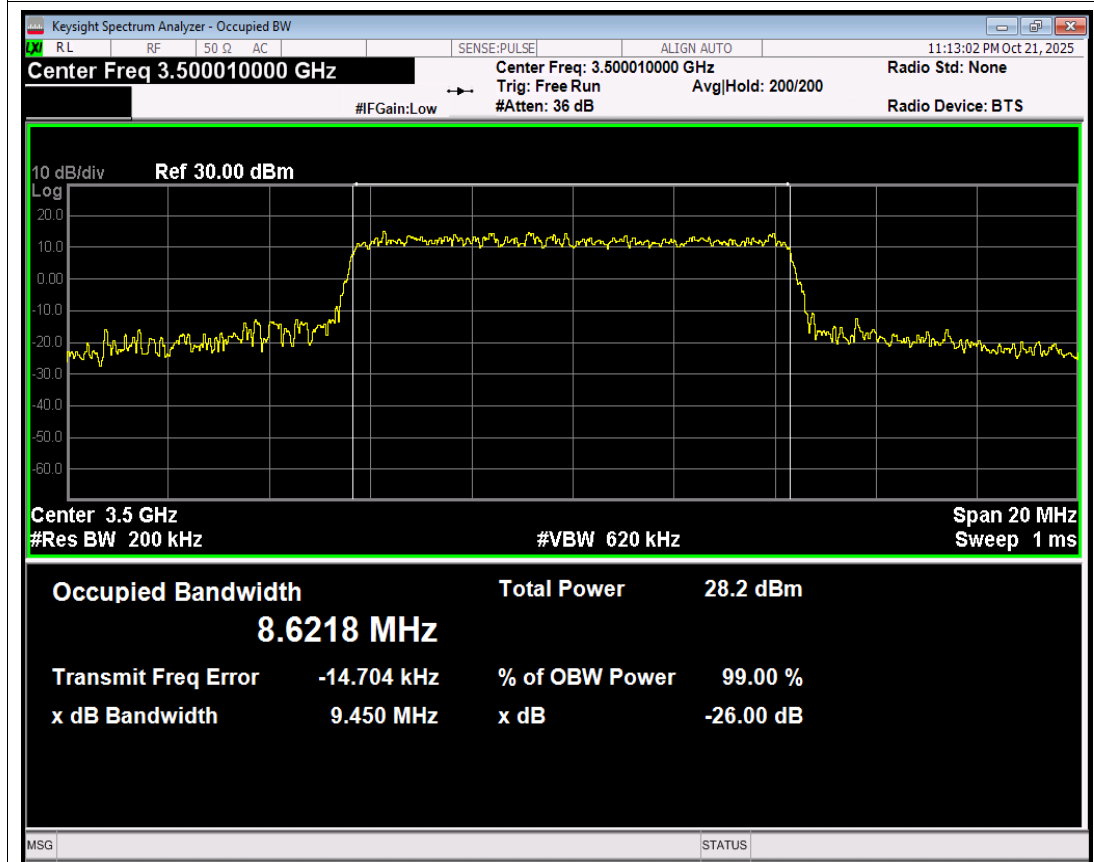
4. Occupied Bandwidth for NR FR1

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	UL Frequency (MHz)	RB Allocation	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
n78(3450-3550)	30	10	633334	3500.01	24@0	DFT_BPSK	8.570	9.373	PASS
n78(3450-3550)	30	10	633334	3500.01	24@0	CP_QPSK	8.622	9.450	PASS
n78(3450-3550)	30	10	633334	3500.01	24@0	CP_16QAM	8.597	9.447	PASS
n78(3450-3550)	30	10	633334	3500.01	24@0	CP_64QAM	8.666	9.504	PASS
n78(3450-3550)	30	10	633334	3500.01	24@0	CP_256QAM	8.609	9.432	PASS
n78(3450-3550)	30	15	633334	3500.01	36@0	DFT_BPSK	13.013	14.074	PASS
n78(3450-3550)	30	15	633334	3500.01	38@0	CP_QPSK	13.635	14.678	PASS
n78(3450-3550)	30	15	633334	3500.01	38@0	CP_16QAM	13.677	14.837	PASS
n78(3450-3550)	30	15	633334	3500.01	38@0	CP_64QAM	13.624	14.502	PASS
n78(3450-3550)	30	15	633334	3500.01	38@0	CP_256QAM	13.644	14.818	PASS
n78(3450-3550)	30	20	633334	3500.01	50@0	DFT_BPSK	17.988	19.421	PASS
n78(3450-3550)	30	20	633334	3500.01	51@0	CP_QPSK	18.304	19.520	PASS
n78(3450-3550)	30	20	633334	3500.01	51@0	CP_16QAM	18.239	19.734	PASS
n78(3450-3550)	30	20	633334	3500.01	51@0	CP_64QAM	18.236	19.658	PASS
n78(3450-3550)	30	20	633334	3500.01	51@0	CP_256QAM	18.313	19.677	PASS
n78(3450-3550)	30	40	633334	3500.01	100@0	DFT_BPSK	35.927	37.919	PASS
n78(3450-3550)	30	40	633334	3500.01	106@0	CP_QPSK	38.003	40.215	PASS
n78(3450-3550)	30	40	633334	3500.01	106@0	CP_16QAM	37.875	39.937	PASS
n78(3450-3550)	30	40	633334	3500.01	106@0	CP_64QAM	37.899	40.260	PASS
n78(3450-3550)	30	40	633334	3500.01	106@0	CP_256QAM	37.986	40.003	PASS
n78(3450-3550)	30	50	633334	3500.01	128@0	DFT_BPSK	45.739	48.370	PASS
n78(3450-3550)	30	50	633334	3500.01	133@0	CP_QPSK	47.666	50.175	PASS
n78(3450-3550)	30	50	633334	3500.01	133@0	CP_16QAM	47.655	50.098	PASS
n78(3450-3550)	30	50	633334	3500.01	133@0	CP_64QAM	47.599	50.425	PASS
n78(3450-3550)	30	50	633334	3500.01	133@0	CP_256QAM	47.613	50.306	PASS
n78(3450-3550)	30	60	633334	3500.01	162@0	DFT_BPSK	57.994	60.878	PASS
n78(3450-3550)	30	60	633334	3500.01	162@0	CP_QPSK	57.928	62.095	PASS
n78(3450-3550)	30	60	633334	3500.01	162@0	CP_16QAM	57.908	60.786	PASS
n78(3450-3550)	30	60	633334	3500.01	162@0	CP_64QAM	57.977	60.800	PASS
n78(3450-3550)	30	60	633334	3500.01	162@0	CP_256QAM	57.944	61.151	PASS
n78(3450-3550)	30	70	633334	3500.01	180@0	DFT_BPSK	64.562	68.454	PASS
n78(3450-3550)	30	70	633334	3500.01	189@0	CP_QPSK	67.853	71.361	PASS
n78(3450-3550)	30	70	633334	3500.01	189@0	CP_16QAM	67.747	71.276	PASS
n78(3450-3550)	30	70	633334	3500.01	189@0	CP_64QAM	67.732	71.257	PASS
n78(3450-3550)	30	70	633334	3500.01	189@0	CP_256QAM	67.719	71.147	PASS
n78(3450-3550)	30	80	633334	3500.01	216@0	DFT_BPSK	77.303	80.958	PASS
n78(3450-3550)	30	80	633334	3500.01	217@0	CP_QPSK	77.651	81.532	PASS
n78(3450-3550)	30	80	633334	3500.01	217@0	CP_16QAM	77.854	81.796	PASS
n78(3450-3550)	30	80	633334	3500.01	217@0	CP_64QAM	77.546	82.163	PASS

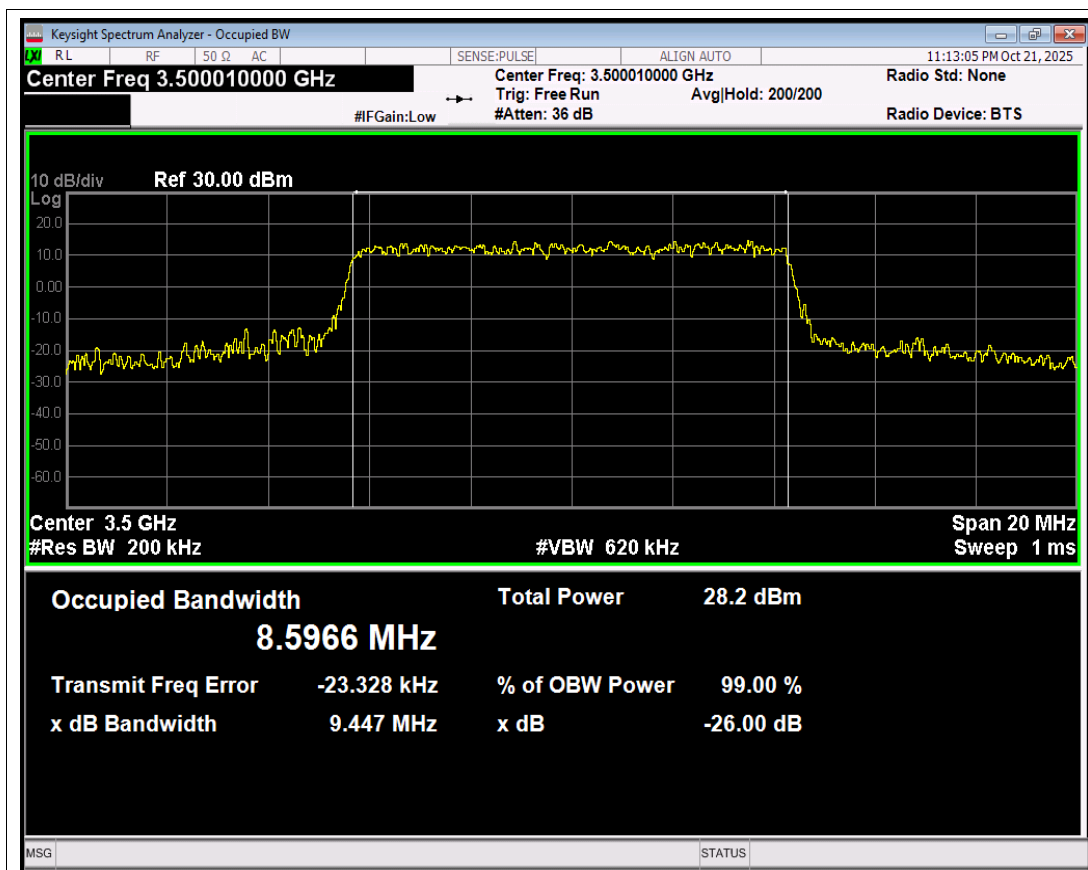
n78(3450-3550)	30	80	633334	3500.01	217@0	CP_256QAM	77.590	81.475	PASS
n78(3450-3550)	30	90	633334	3500.01	243@0	DFT_BPSK	86.776	91.577	PASS
n78(3450-3550)	30	90	633334	3500.01	245@0	CP_QPSK	87.736	91.900	PASS
n78(3450-3550)	30	90	633334	3500.01	245@0	CP_16QAM	87.563	92.100	PASS
n78(3450-3550)	30	90	633334	3500.01	245@0	CP_64QAM	87.689	92.125	PASS
n78(3450-3550)	30	90	633334	3500.01	245@0	CP_256QAM	87.640	92.033	PASS
n78(3450-3550)	30	100	633334	3500.01	270@0	DFT_BPSK	96.283	101.334	PASS
n78(3450-3550)	30	100	633334	3500.01	273@0	CP_QPSK	97.719	102.651	PASS
n78(3450-3550)	30	100	633334	3500.01	273@0	CP_16QAM	97.698	102.509	PASS
n78(3450-3550)	30	100	633334	3500.01	273@0	CP_64QAM	97.387	102.648	PASS
n78(3450-3550)	30	100	633334	3500.01	273@0	CP_256QAM	97.508	102.426	PASS



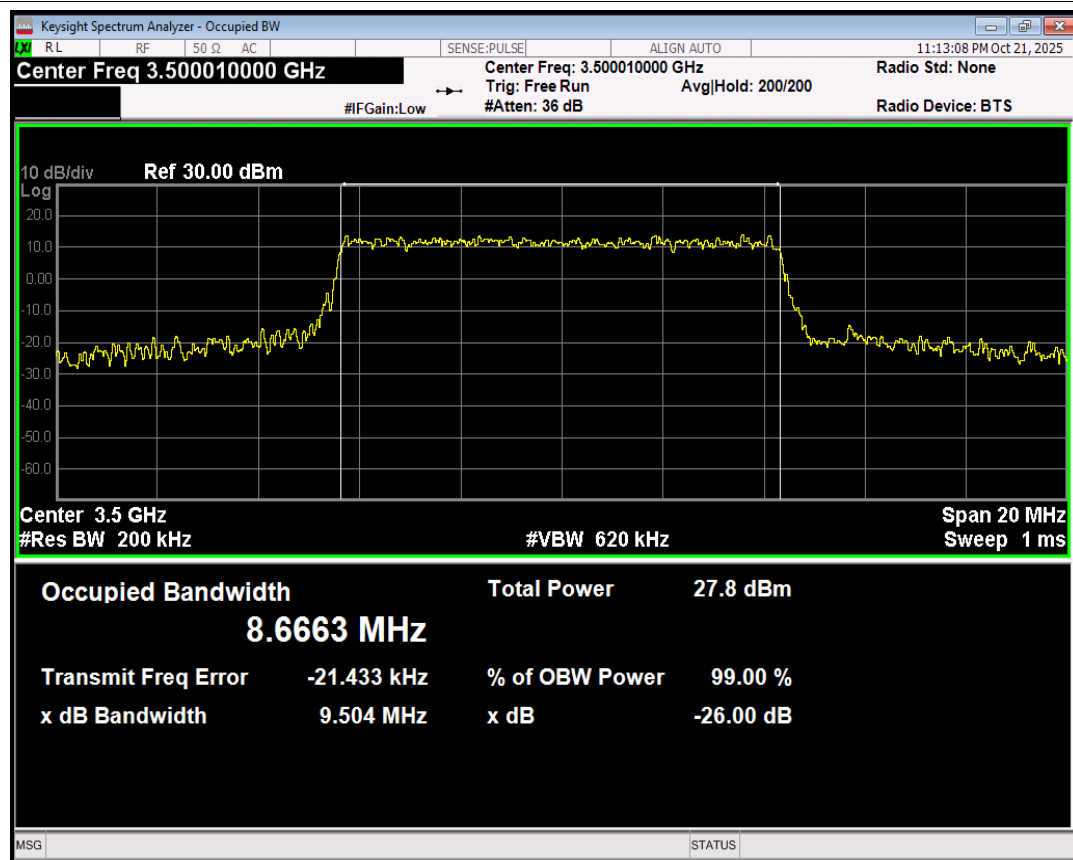
n78(3450-3550) SCS=30kHz DFT_BPSK BW=10MHz Channel=633334 RB=24@0



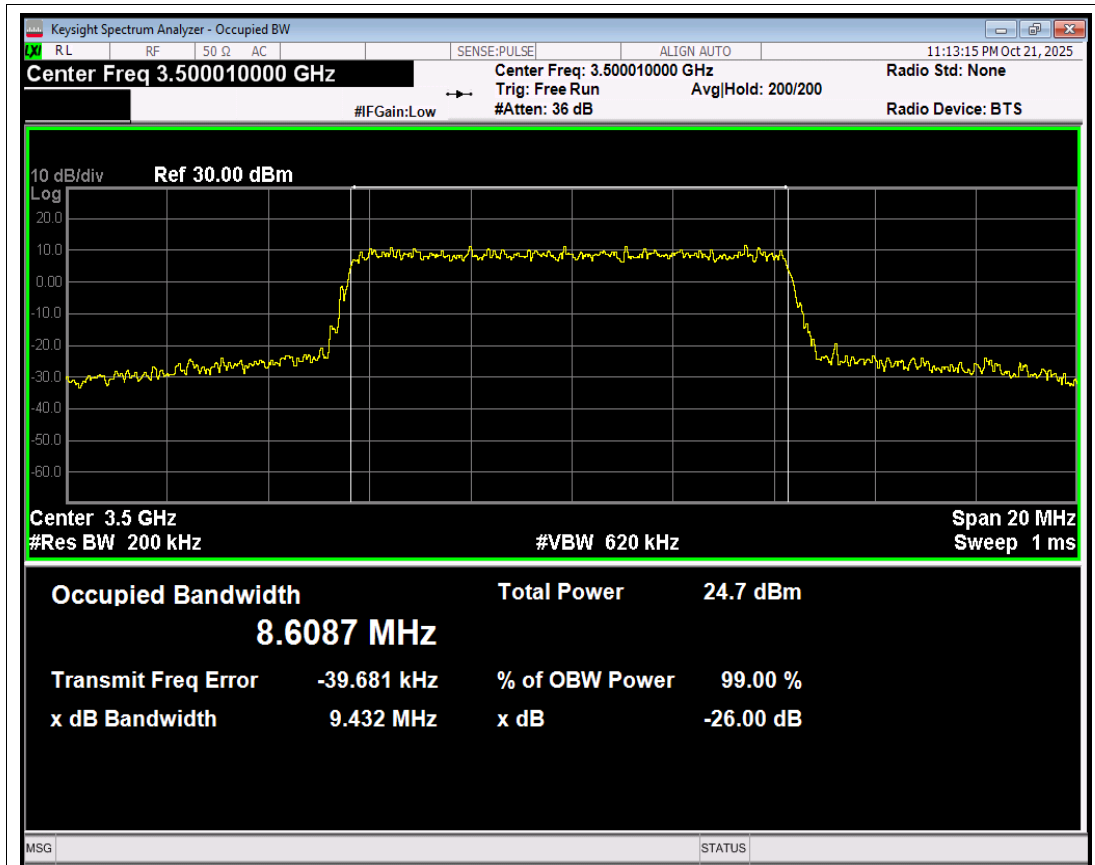
n78(3450-3550) SCS=30kHz CP_QPSK BW=10MHz Channel=633334 RB=24@0



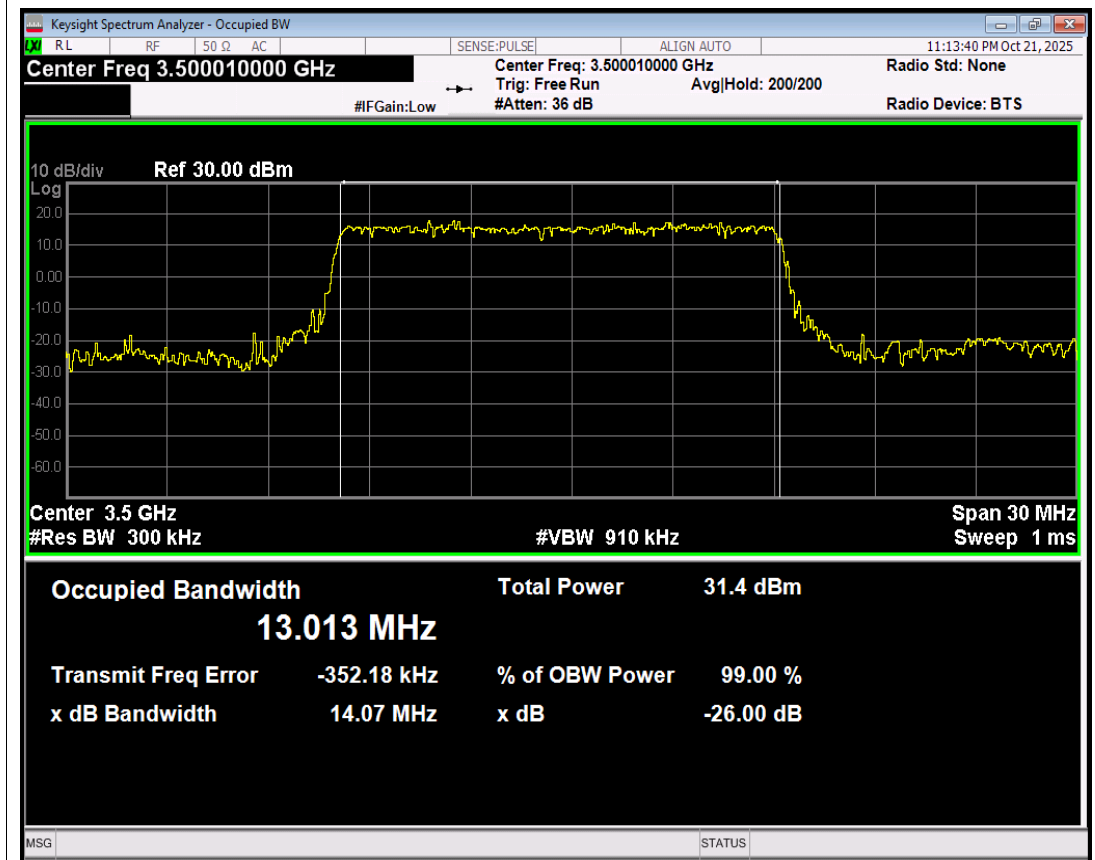
n78(3450-3550) SCS=30kHz CP_16QAM BW=10MHz Channel=633334 RB=24@0



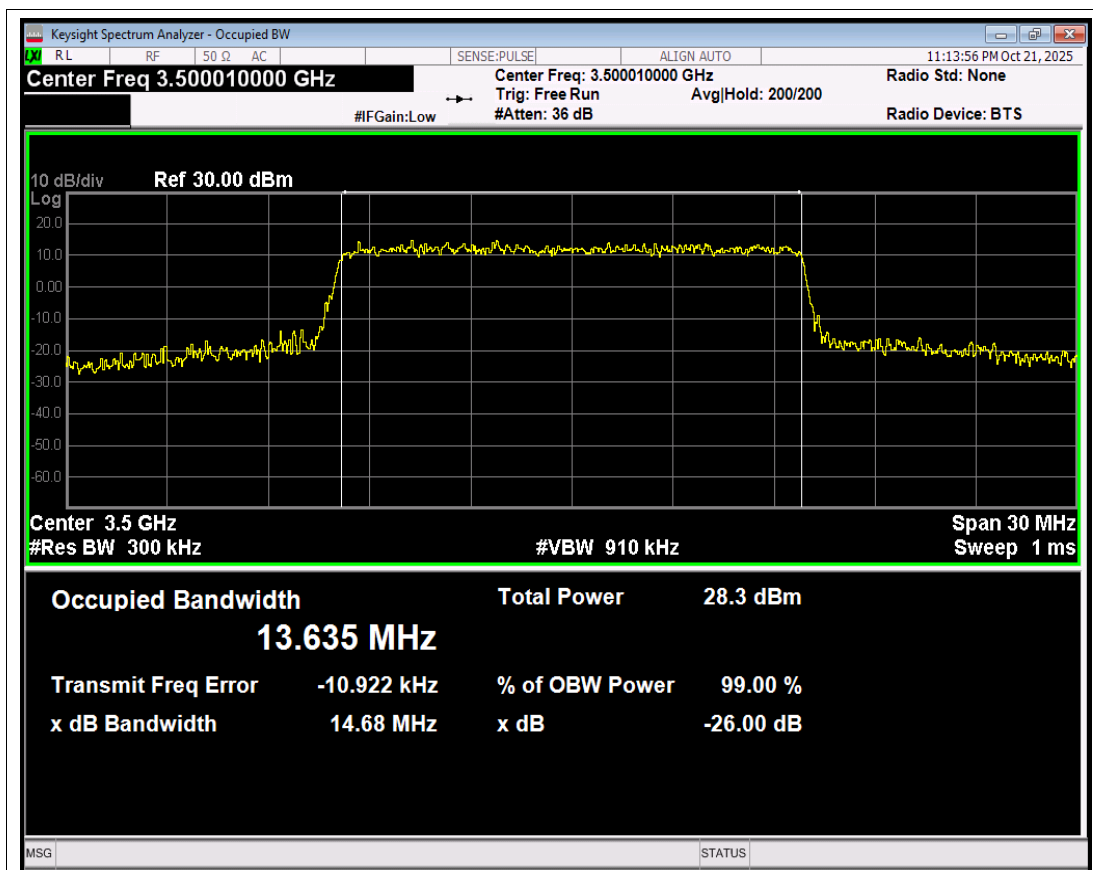
n78(3450-3550) SCS=30kHz CP_64QAM BW=10MHz Channel=633334 RB=24@0



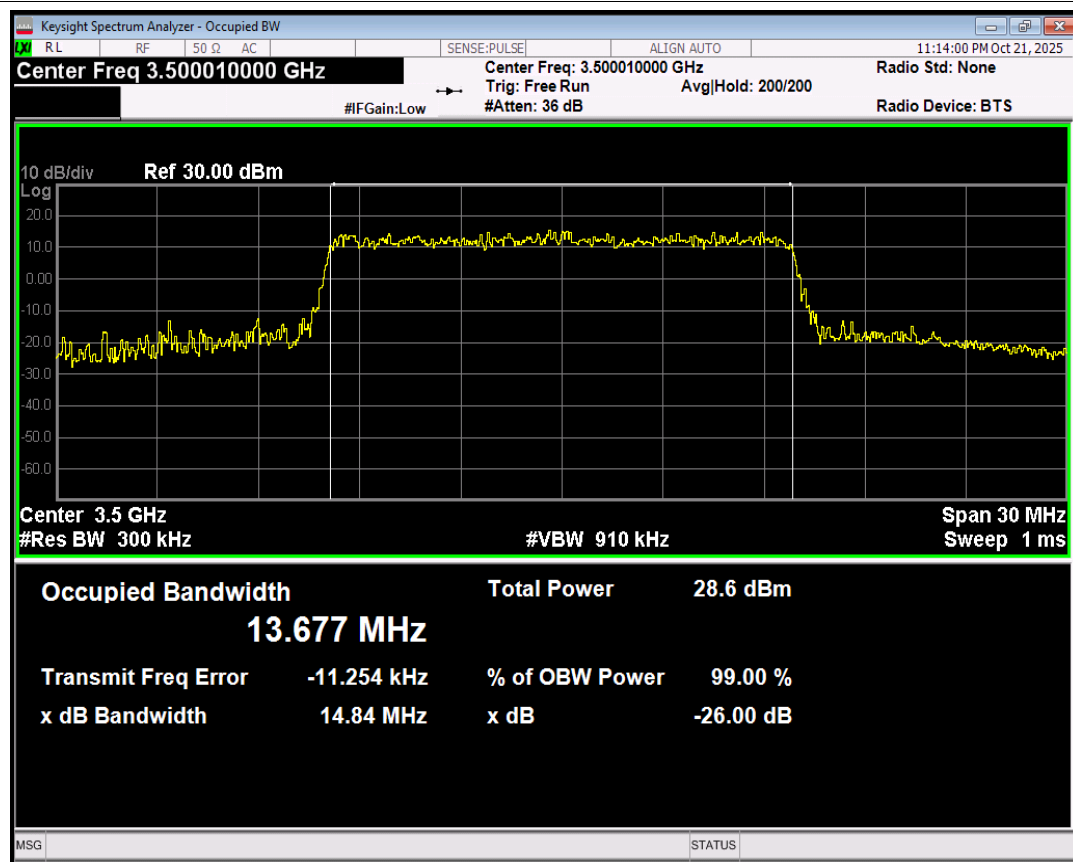
n78(3450-3550) SCS=30kHz CP_256QAM BW=10MHz Channel=633334 RB=24@0



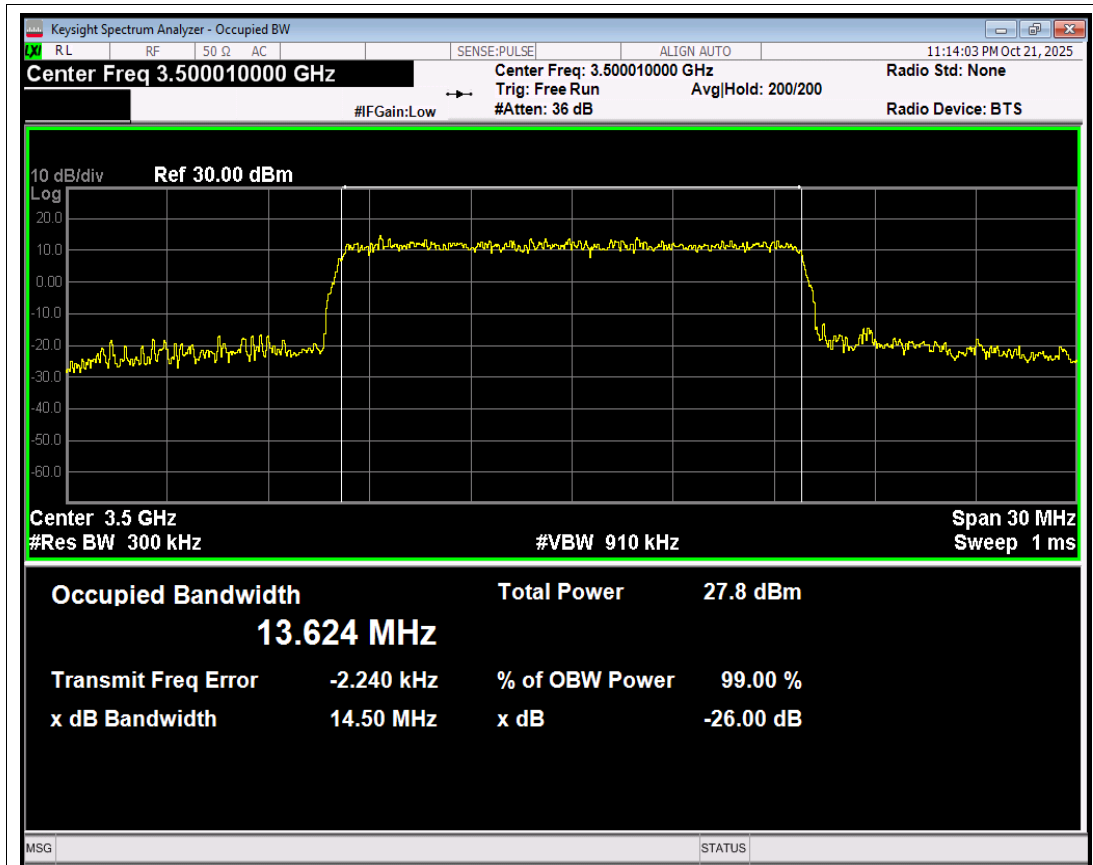
n78(3450-3550) SCS=30kHz DFT_BPSK BW=15MHz Channel=633334 RB=36@0



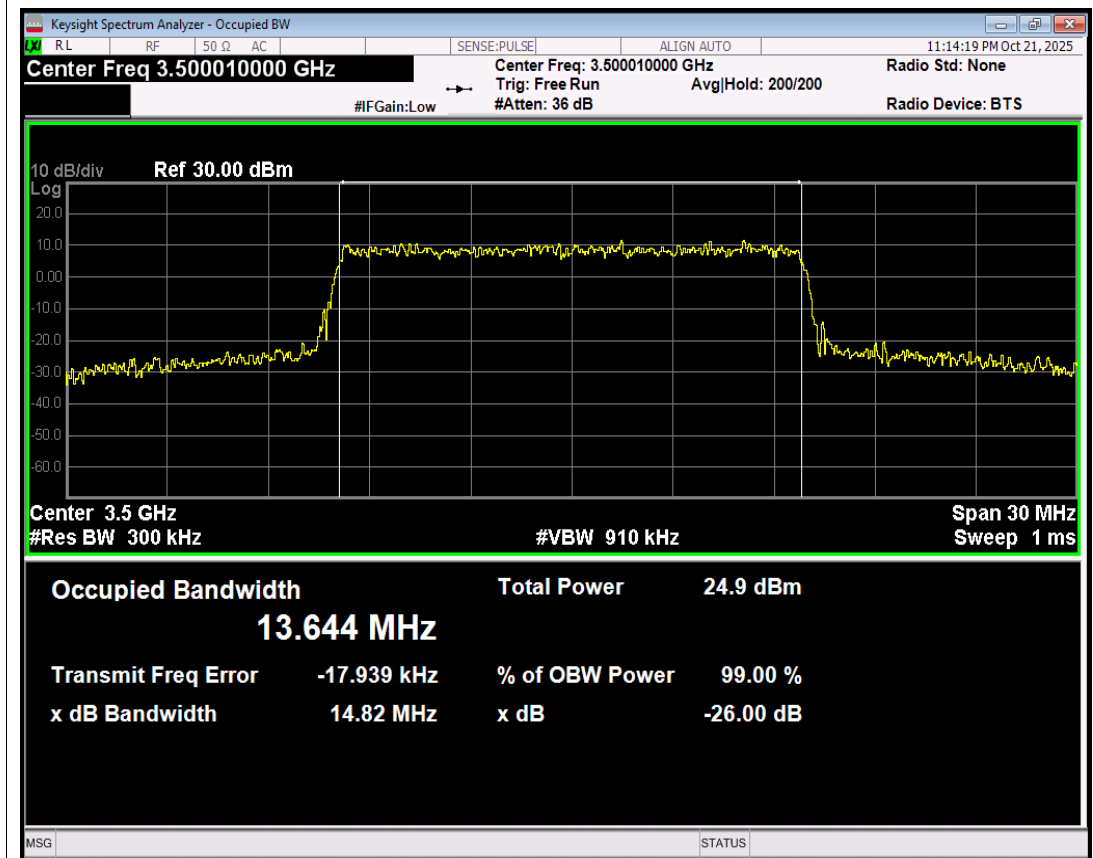
n78(3450-3550) SCS=30kHz CP_QPSK BW=15MHz Channel=633334 RB=38@0



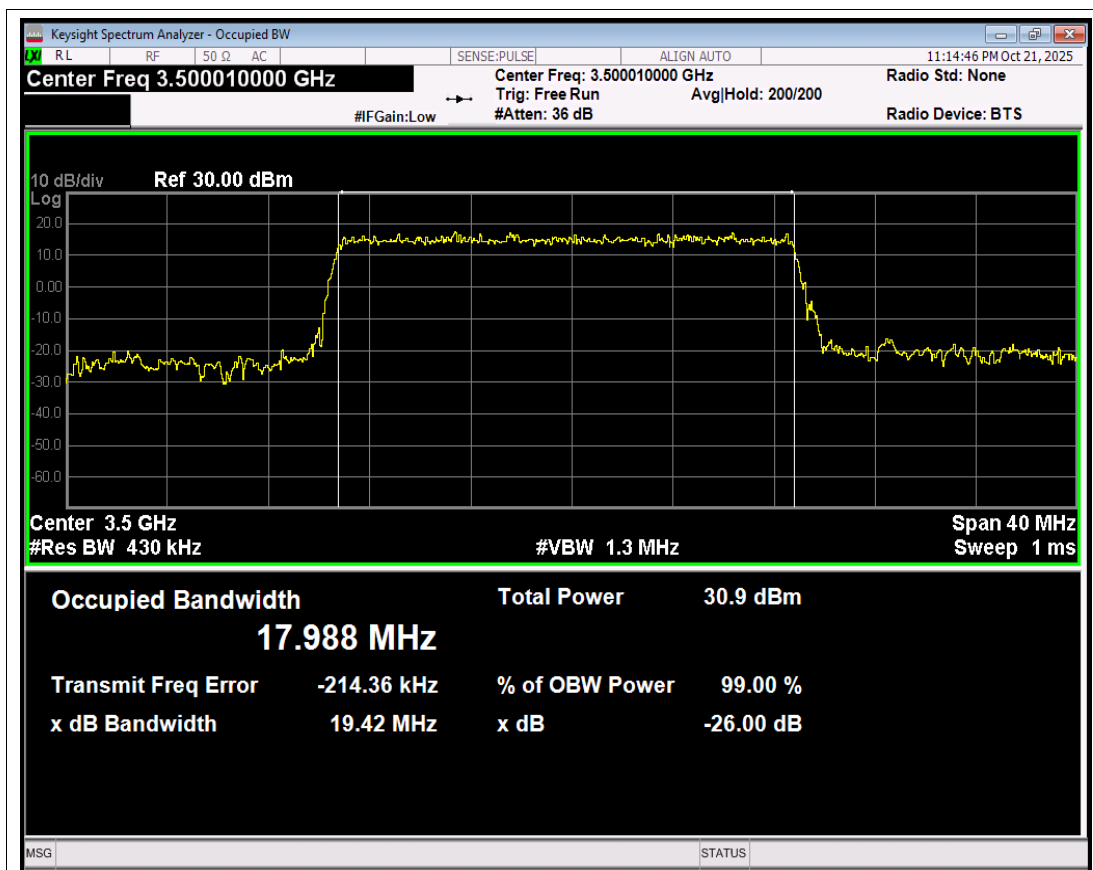
n78(3450-3550) SCS=30kHz CP_16QAM BW=15MHz Channel=633334 RB=38@0



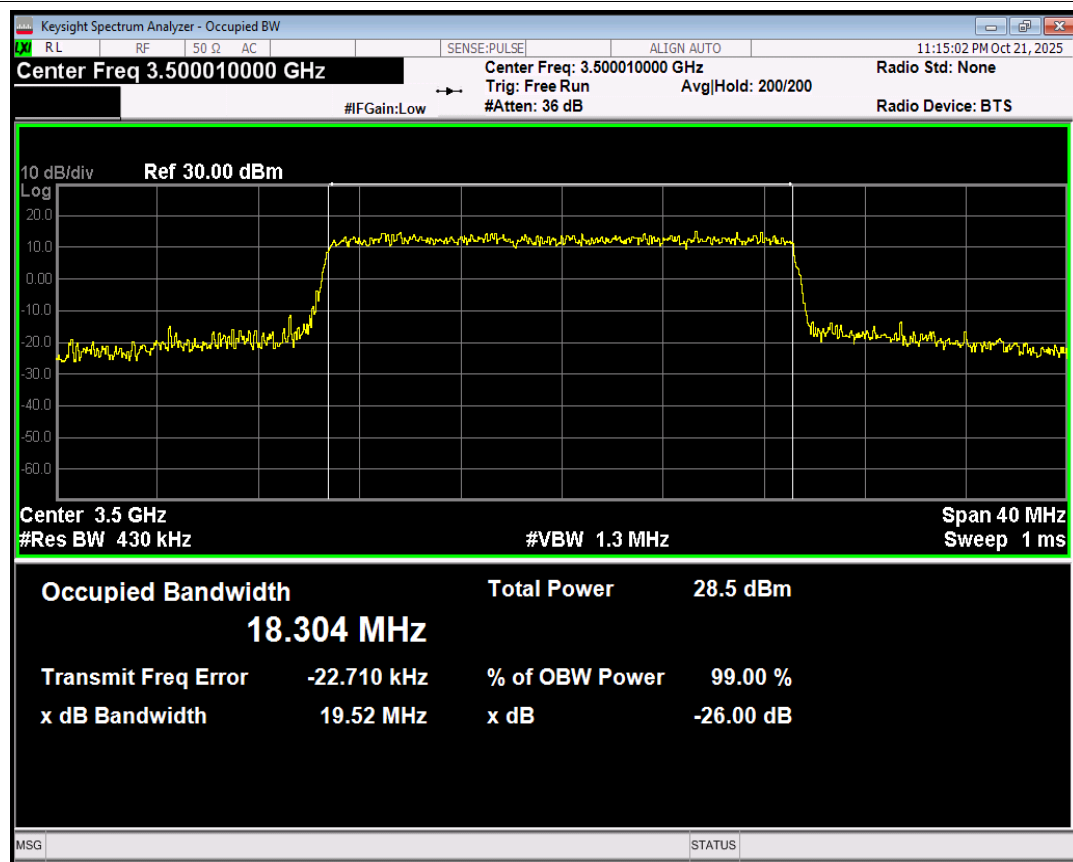
n78(3450-3550) SCS=30kHz CP_64QAM BW=15MHz Channel=633334 RB=38@0



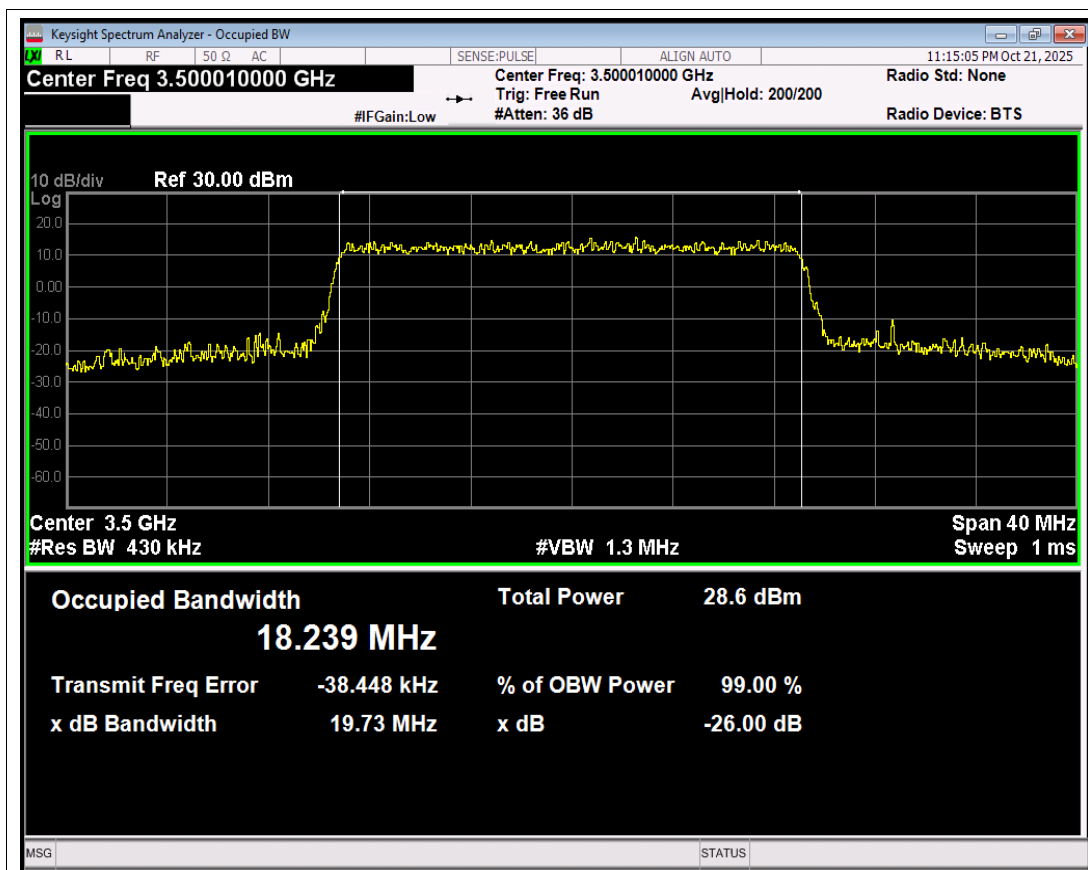
n78(3450-3550) SCS=30kHz CP_256QAM BW=15MHz Channel=633334 RB=38@0



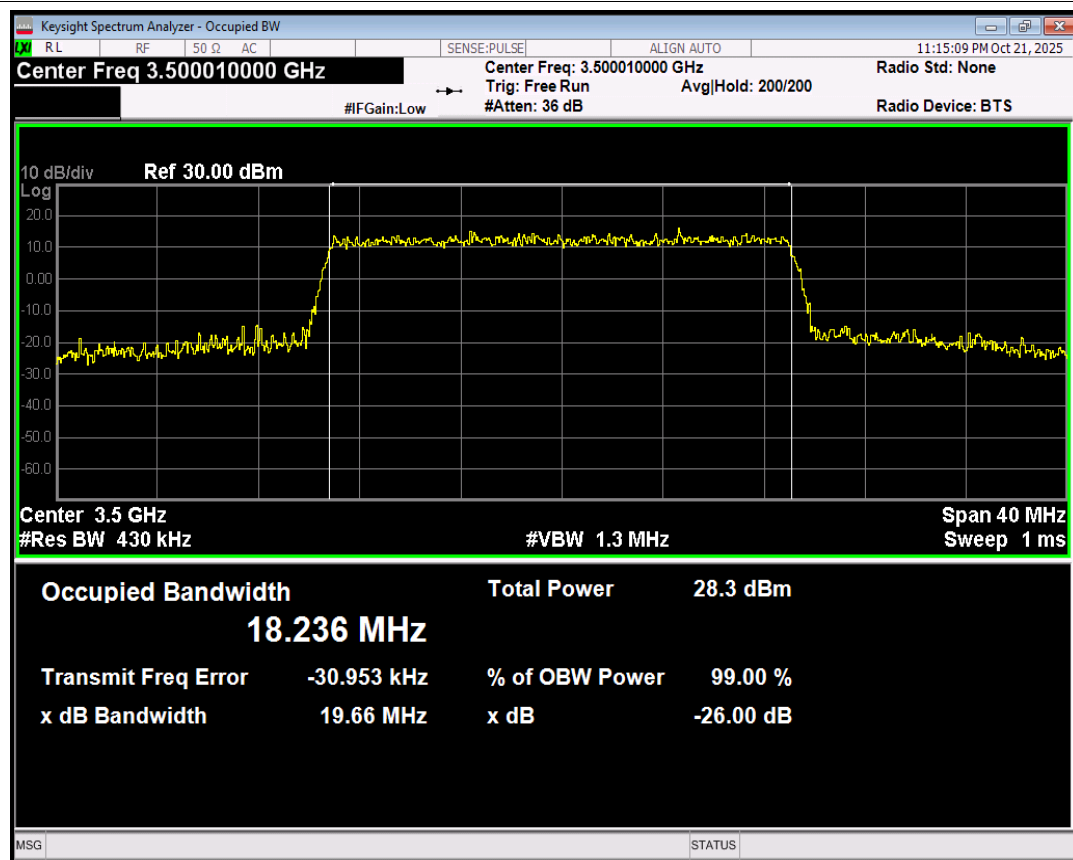
n78(3450-3550) SCS=30kHz DFT_BPSK BW=20MHz Channel=633334 RB=50@0



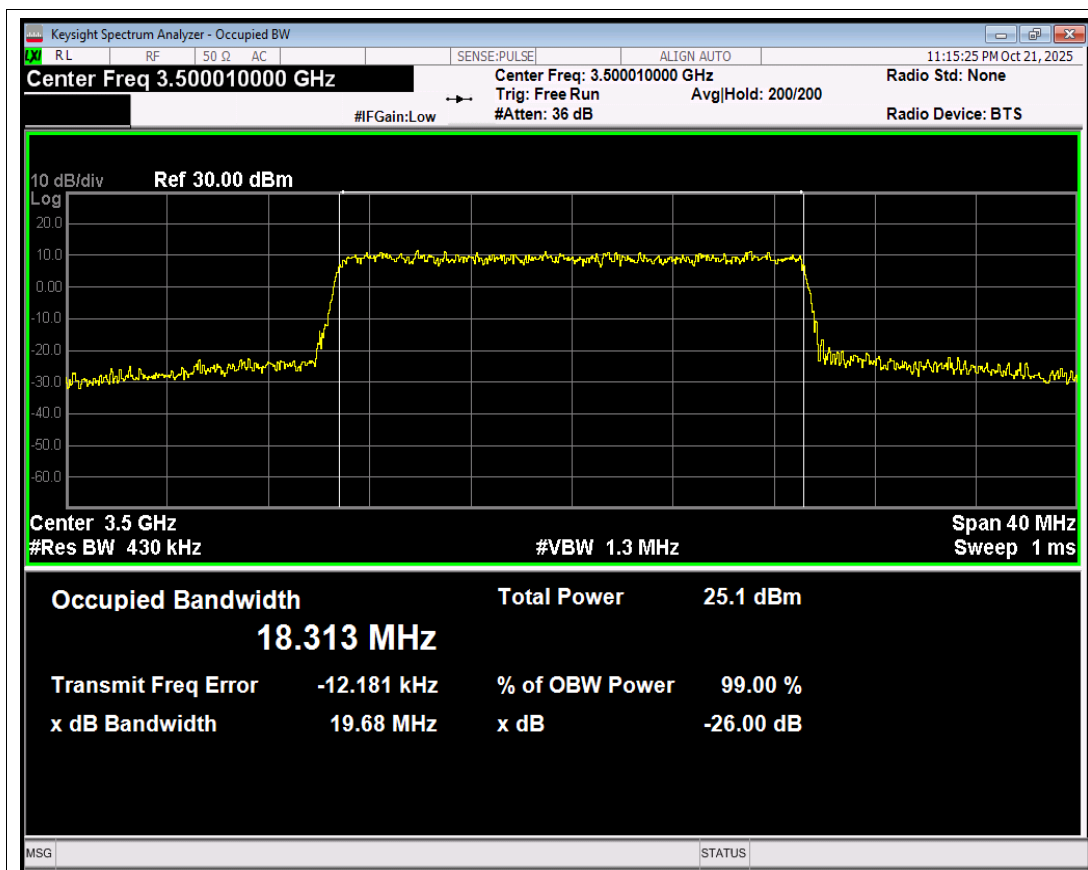
n78(3450-3550) SCS=30kHz CP_QPSK BW=20MHz Channel=633334 RB=51@0



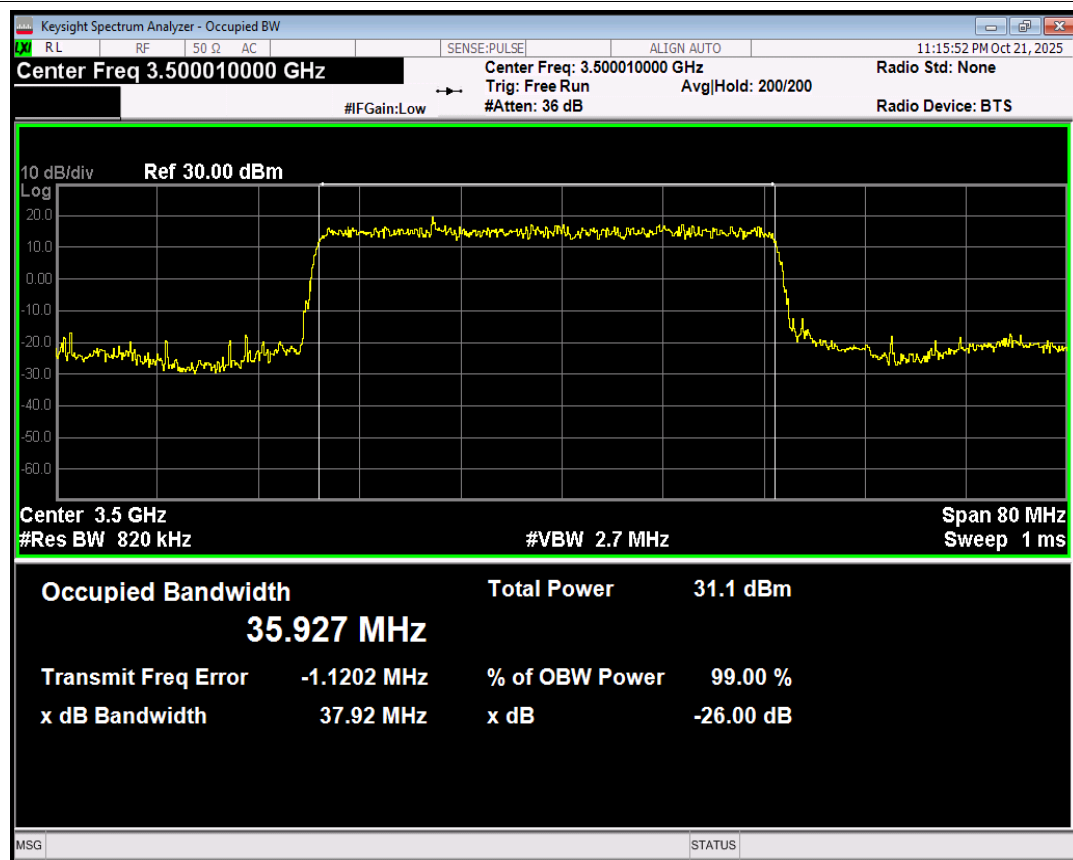
n78(3450-3550) SCS=30kHz CP_16QAM BW=20MHz Channel=633334 RB=51@0



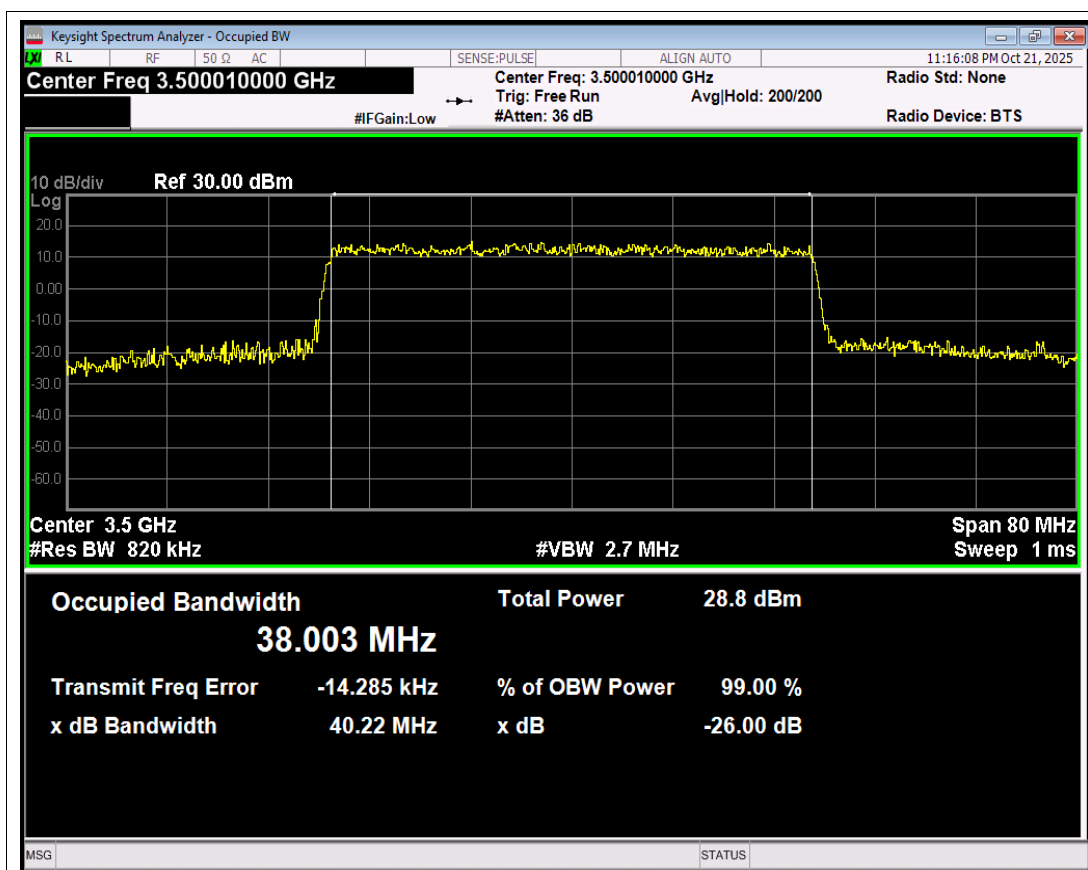
n78(3450-3550) SCS=30kHz CP_64QAM BW=20MHz Channel=633334 RB=51@0



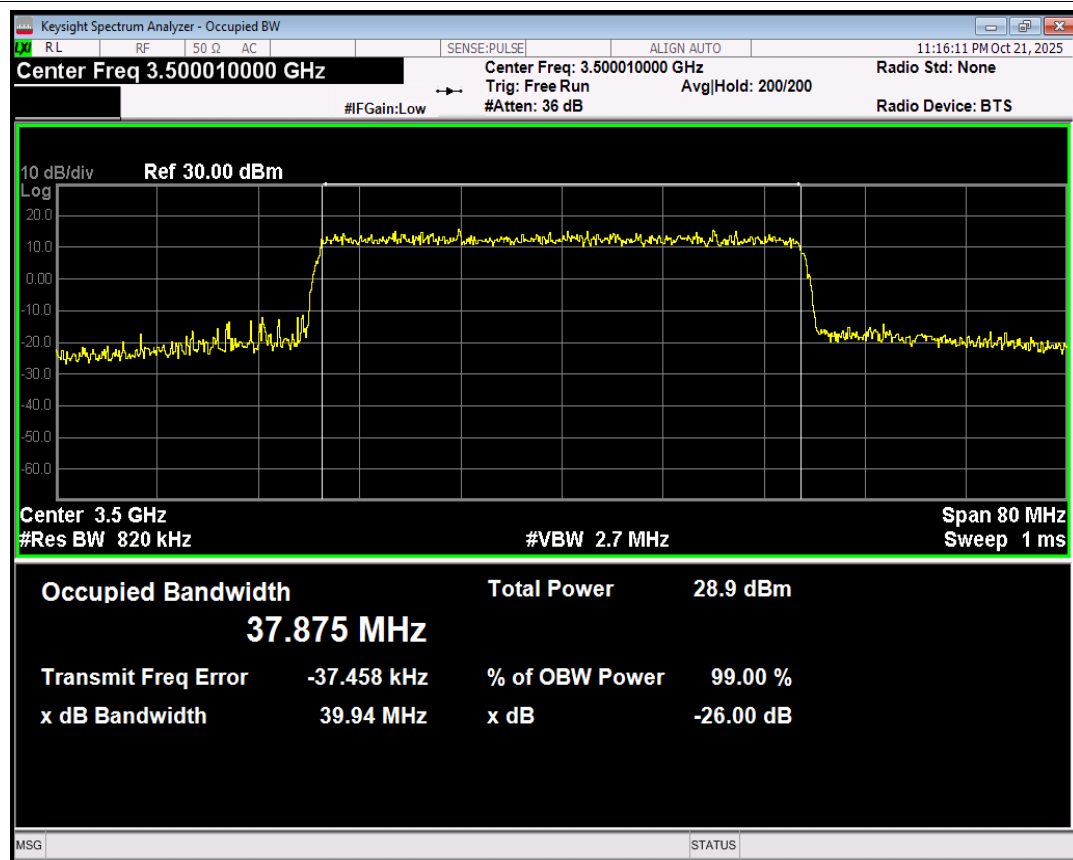
n78(3450-3550) SCS=30kHz CP_256QAM BW=20MHz Channel=633334 RB=51@0



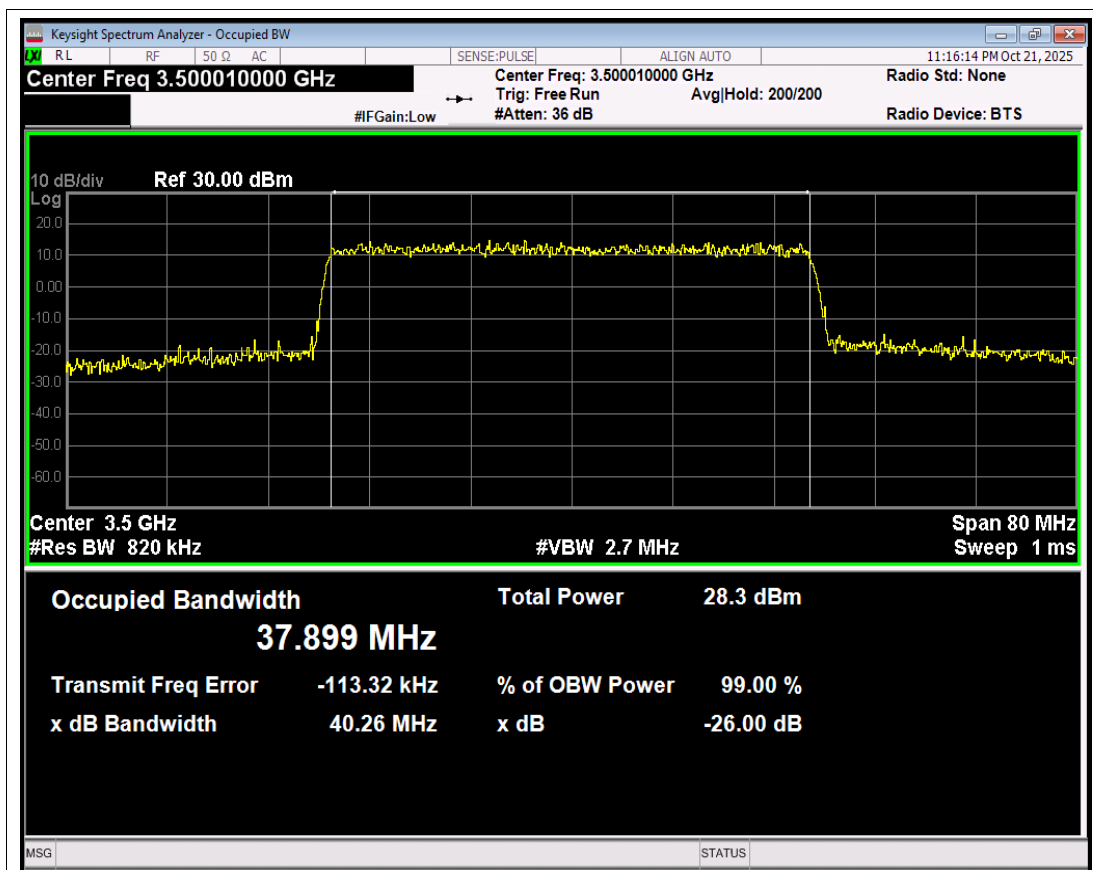
n78(3450-3550) SCS=30kHz DFT_BPSK BW=40MHz Channel=633334 RB=100@0



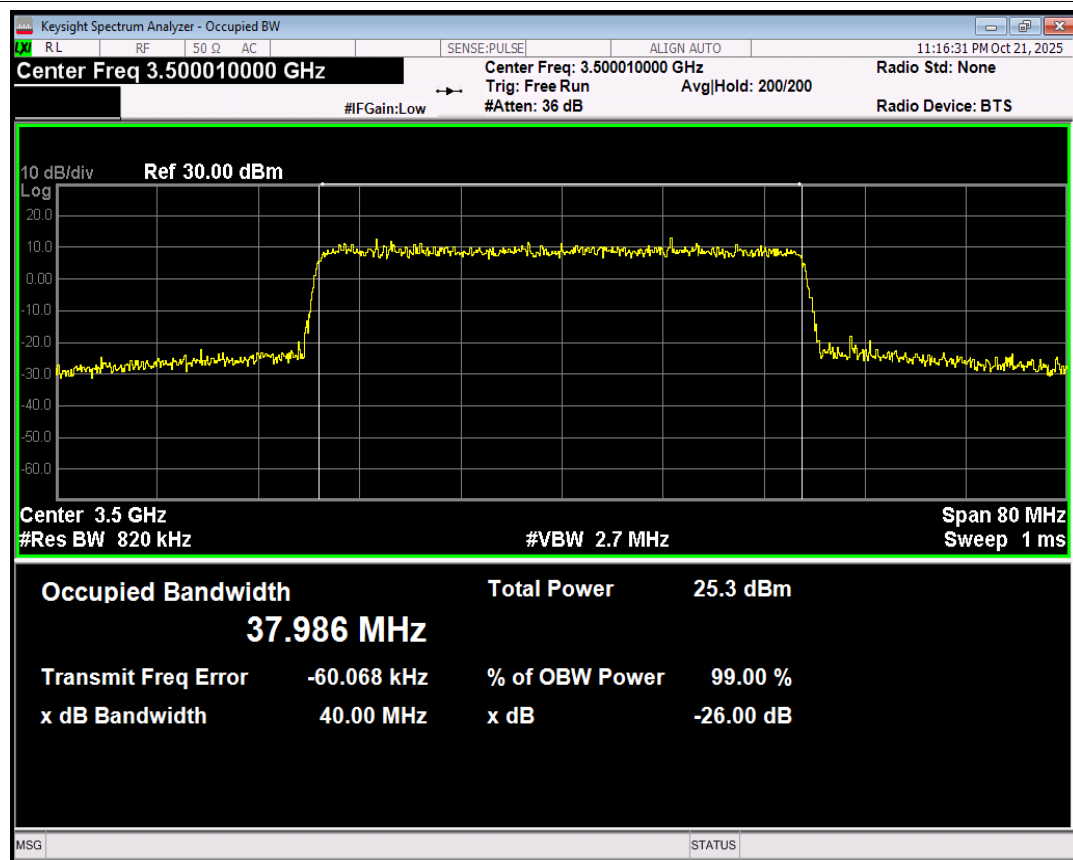
n78(3450-3550) SCS=30kHz CP_QPSK BW=40MHz Channel=633334 RB=106@0



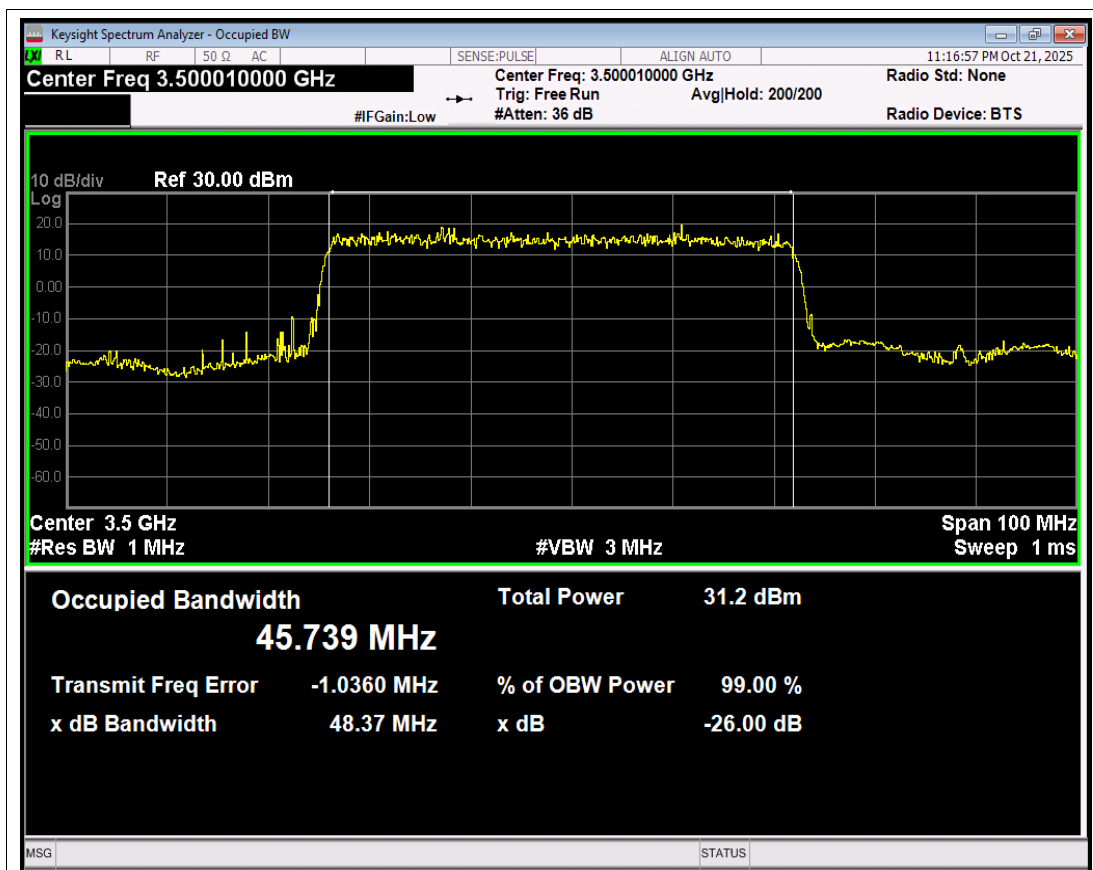
n78(3450-3550) SCS=30kHz CP_16QAM BW=40MHz Channel=633334 RB=106@0



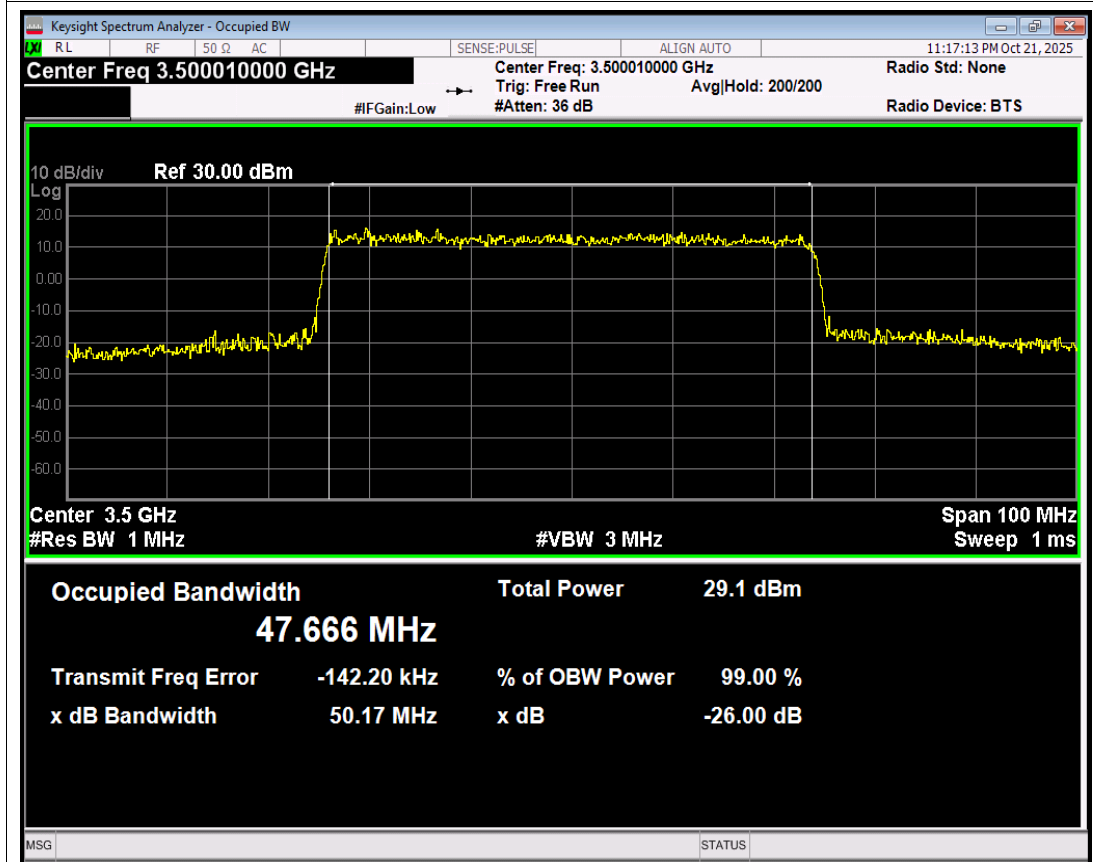
n78(3450-3550) SCS=30kHz CP_64QAM BW=40MHz Channel=633334 RB=106@0



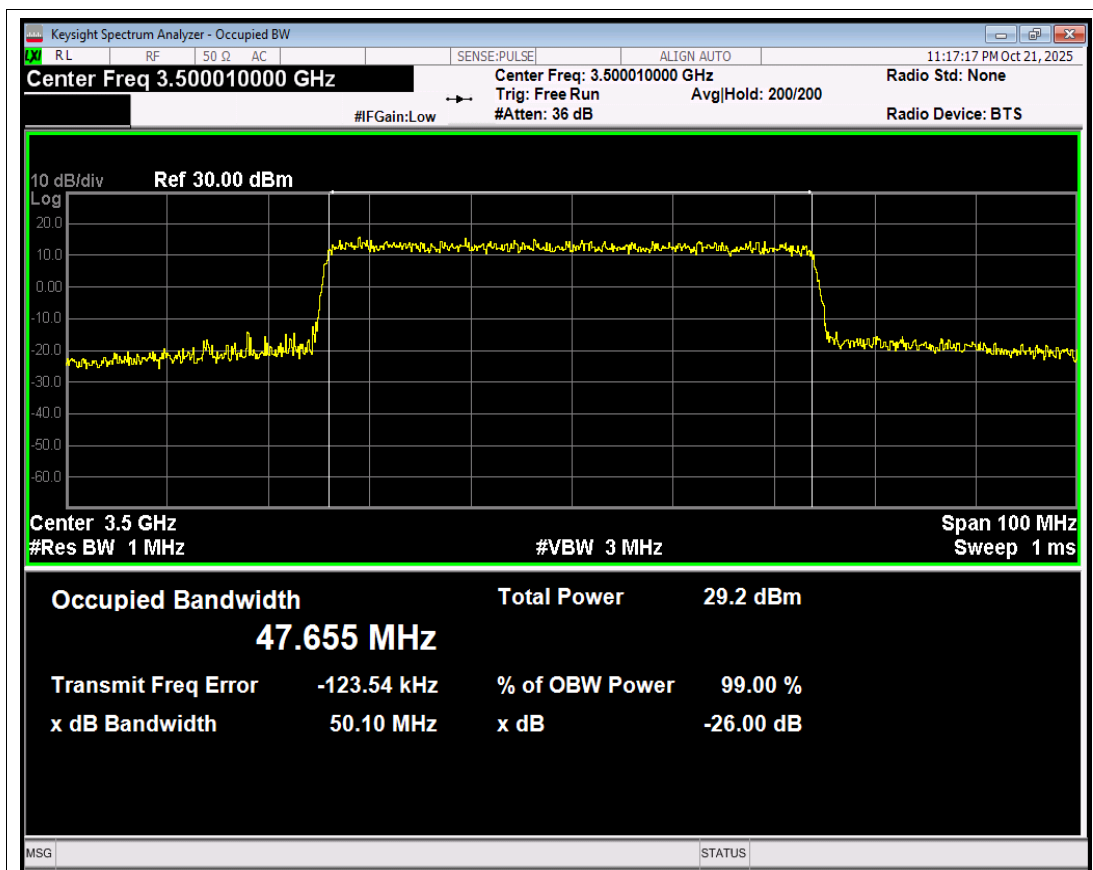
n78(3450-3550) SCS=30kHz CP_256QAM BW=40MHz Channel=633334 RB=106@0



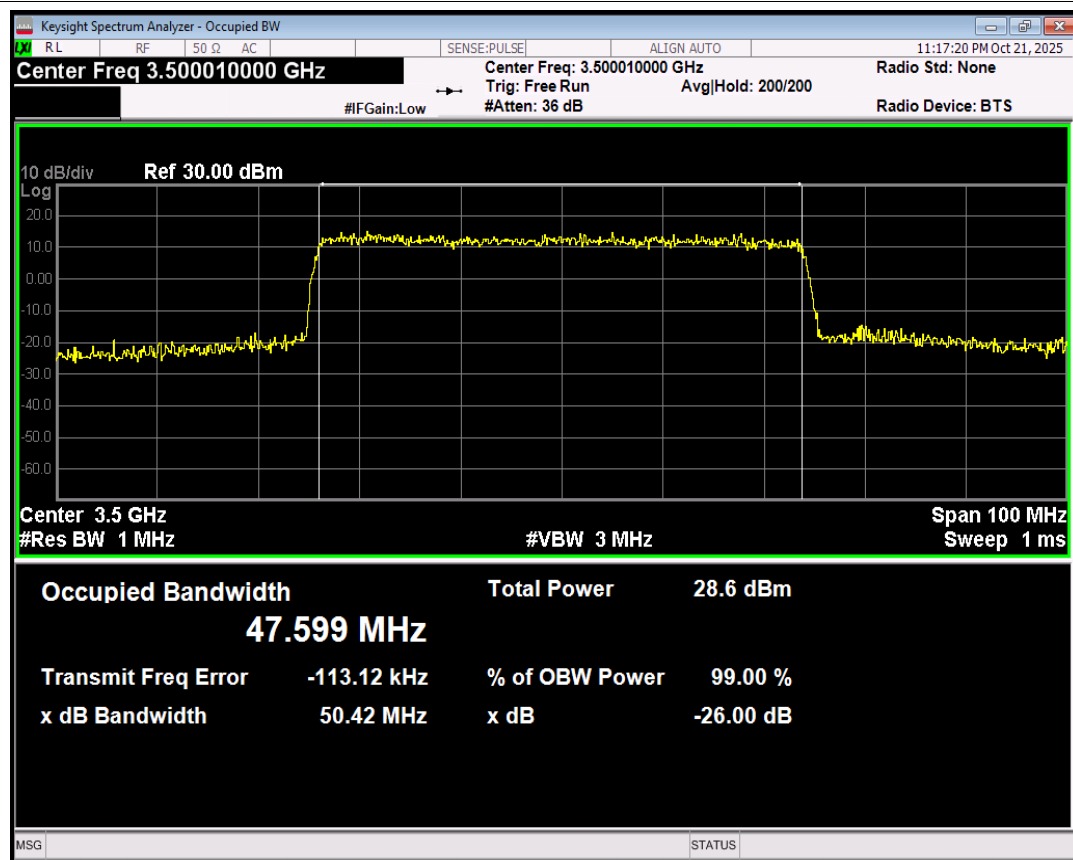
n78(3450-3550) SCS=30kHz DFT_BPSK BW=50MHz Channel=633334 RB=128@0



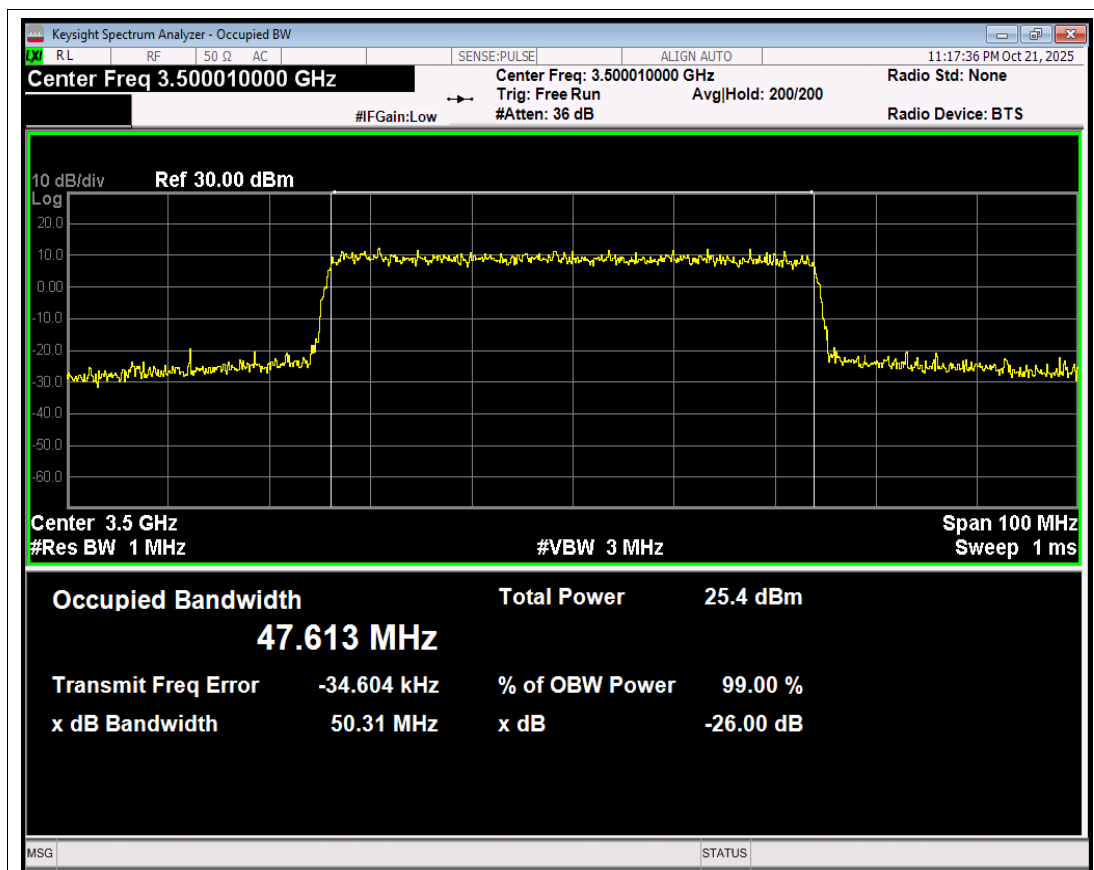
n78(3450-3550) SCS=30kHz CP_QPSK BW=50MHz Channel=633334 RB=133@0



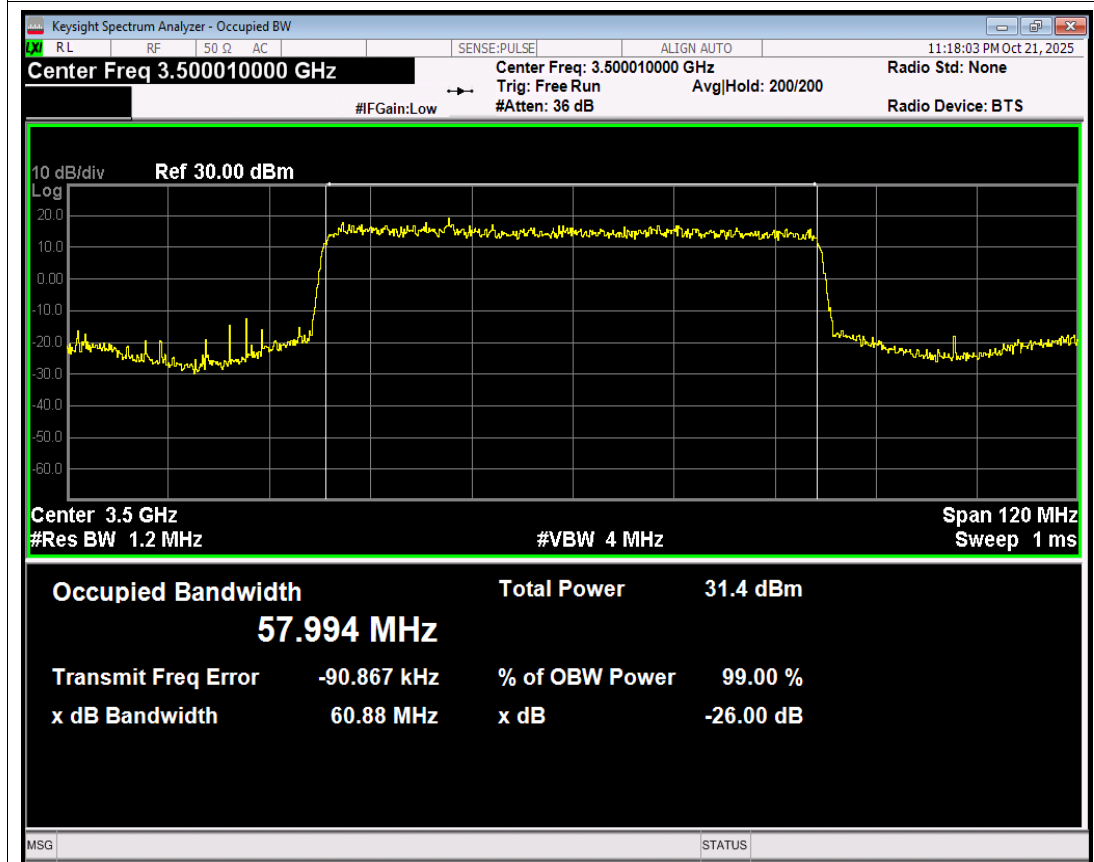
n78(3450-3550) SCS=30kHz CP_16QAM BW=50MHz Channel=633334 RB=133@0



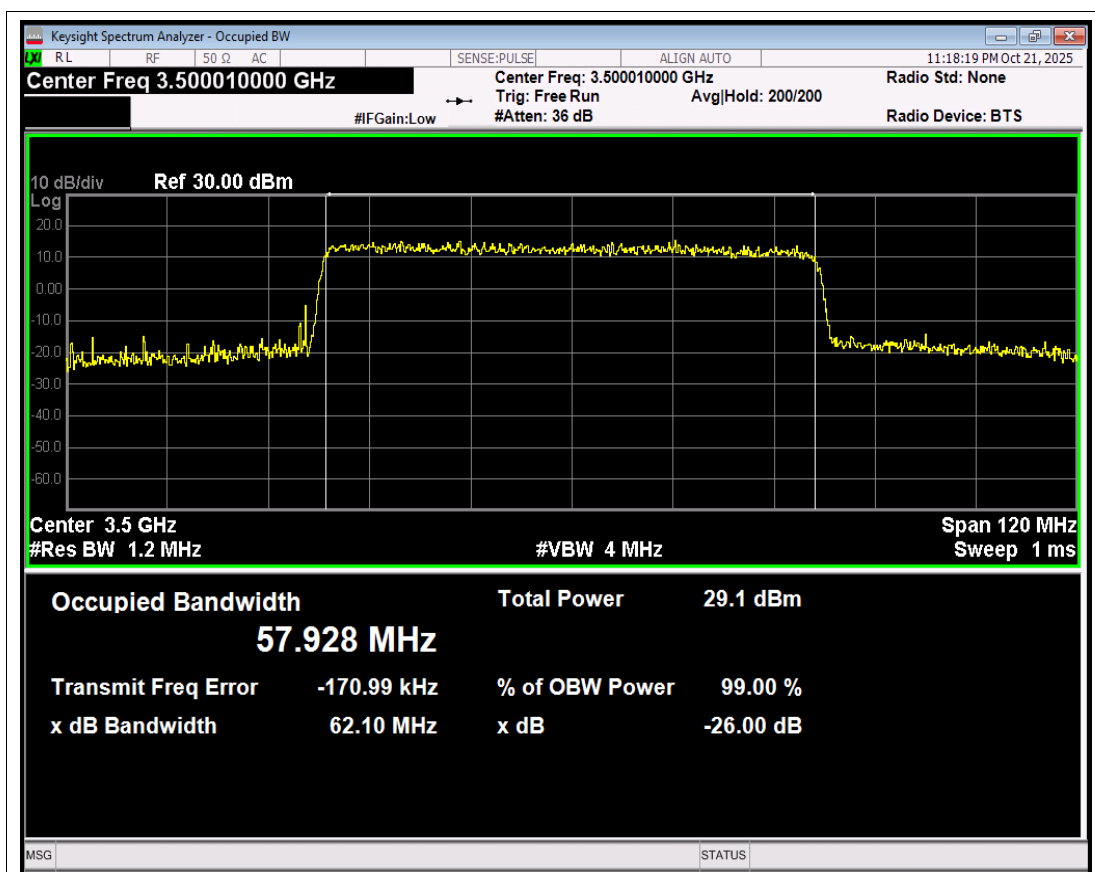
n78(3450-3550) SCS=30kHz CP_64QAM BW=50MHz Channel=633334 RB=133@0



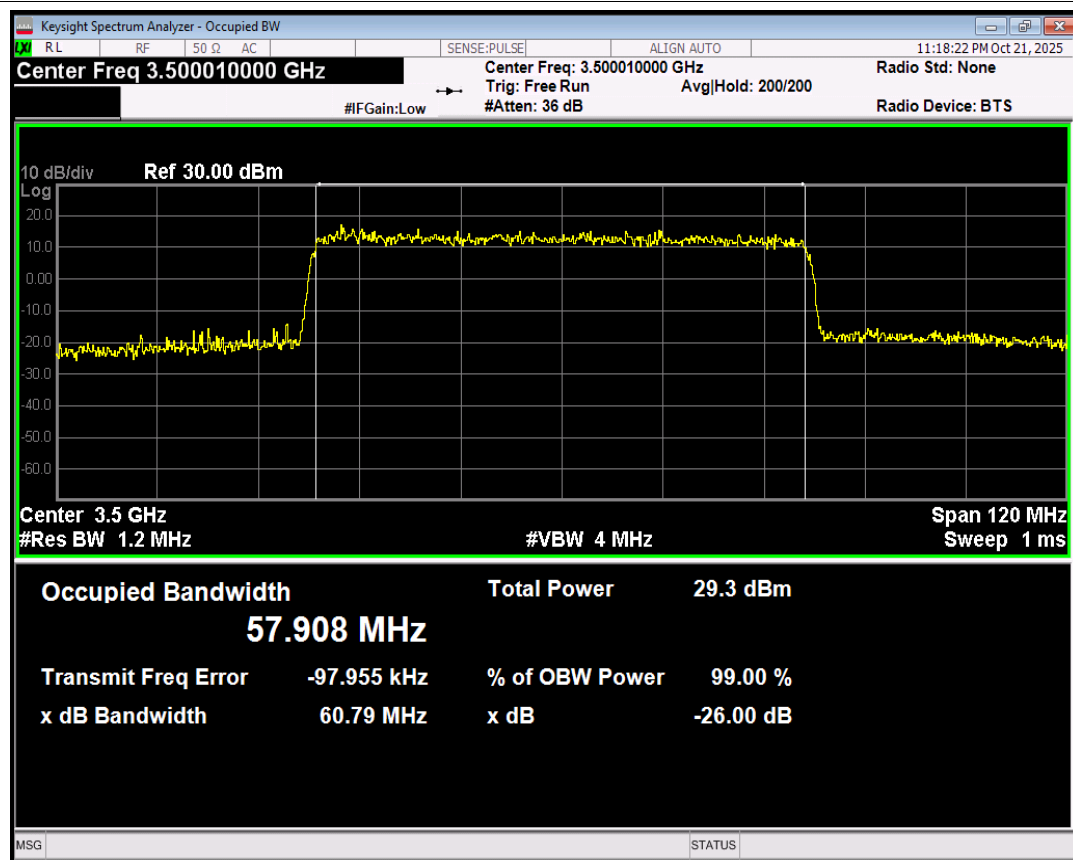
n78(3450-3550) SCS=30kHz CP_256QAM BW=50MHz Channel=633334 RB=133@0



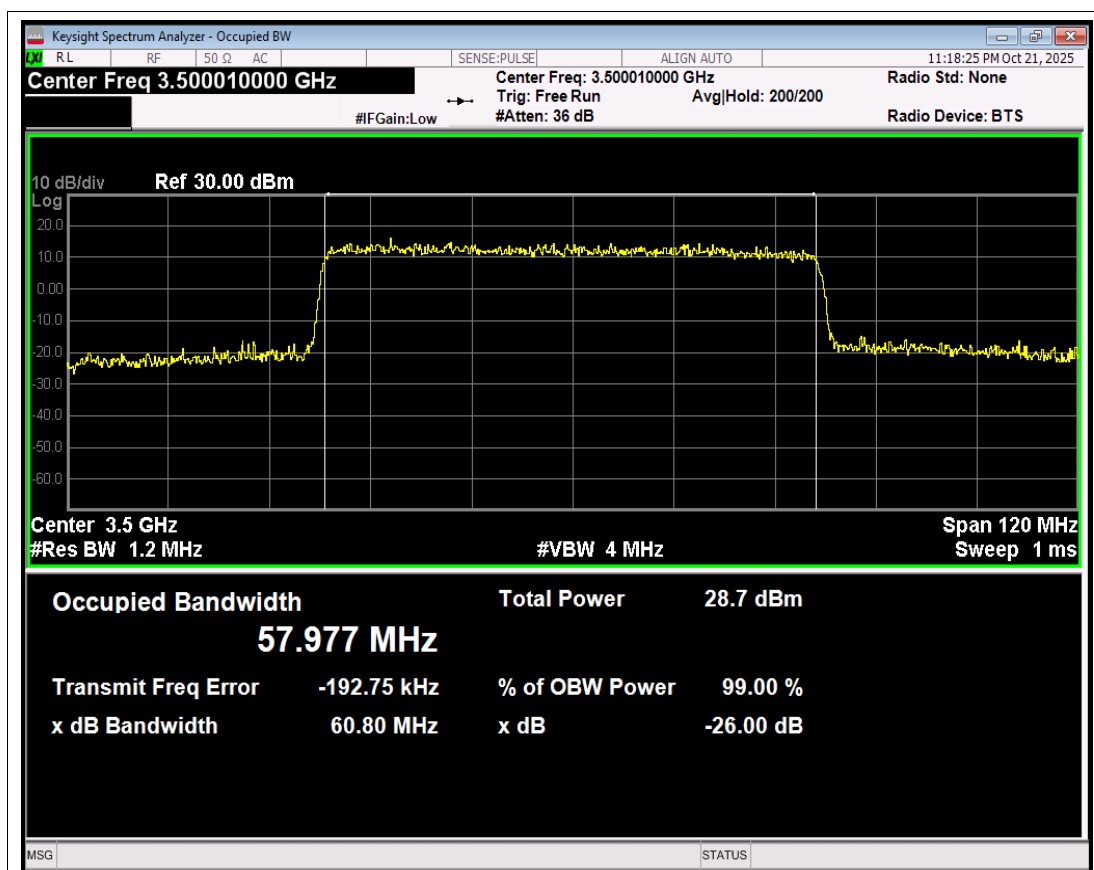
n78(3450-3550) SCS=30kHz DFT_BPSK BW=60MHz Channel=633334 RB=162@0



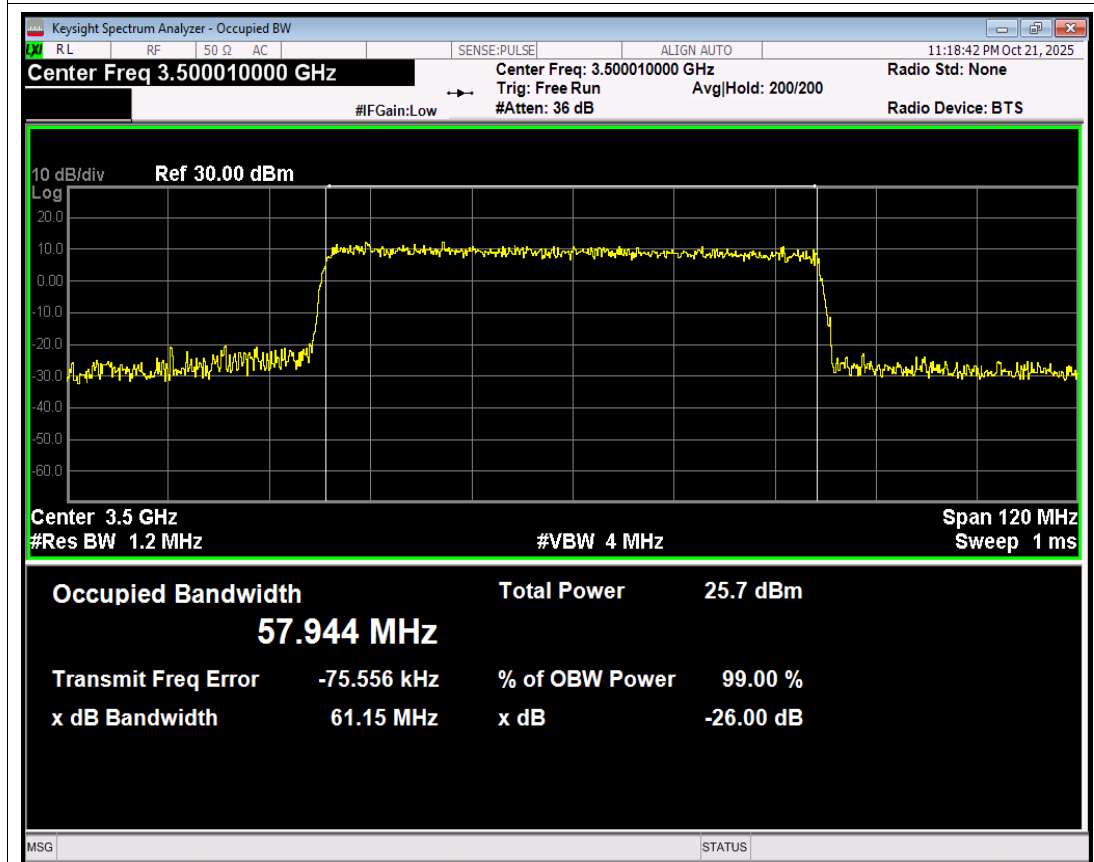
n78(3450-3550) SCS=30kHz CP_QPSK BW=60MHz Channel=633334 RB=162@0



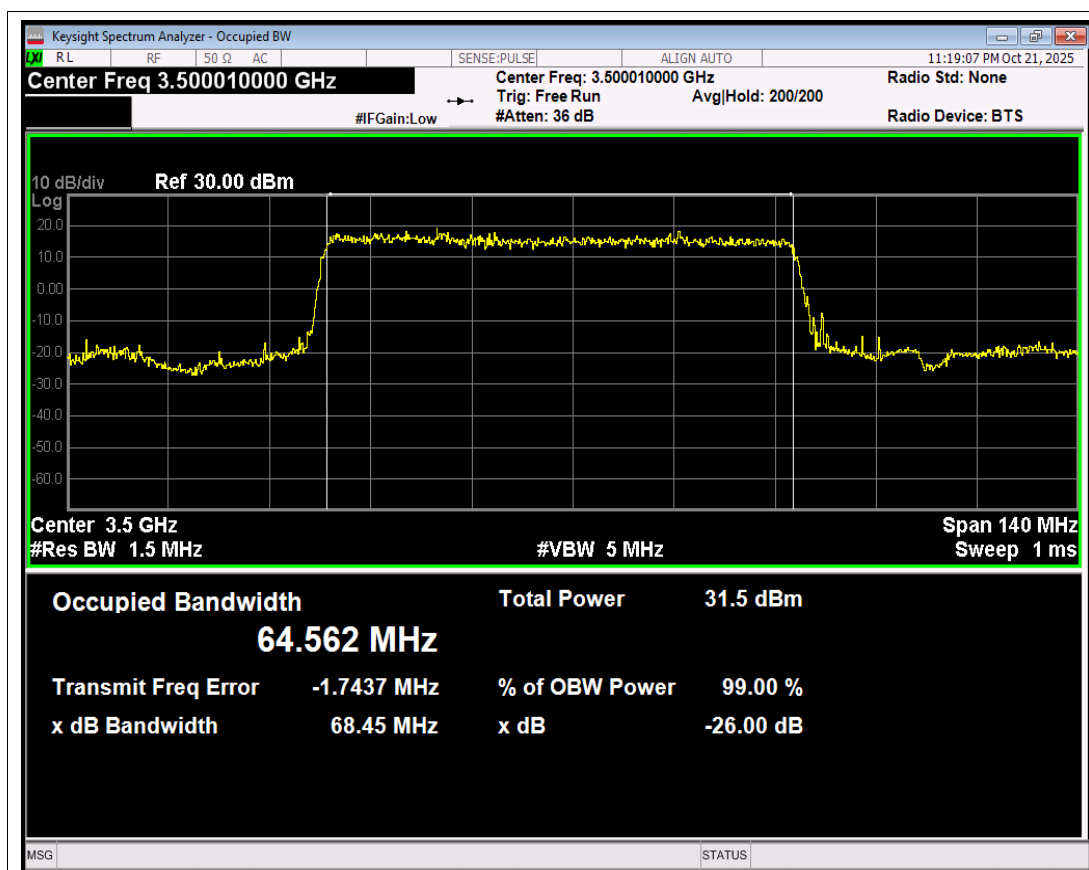
n78(3450-3550) SCS=30kHz CP_16QAM BW=60MHz Channel=633334 RB=162@0



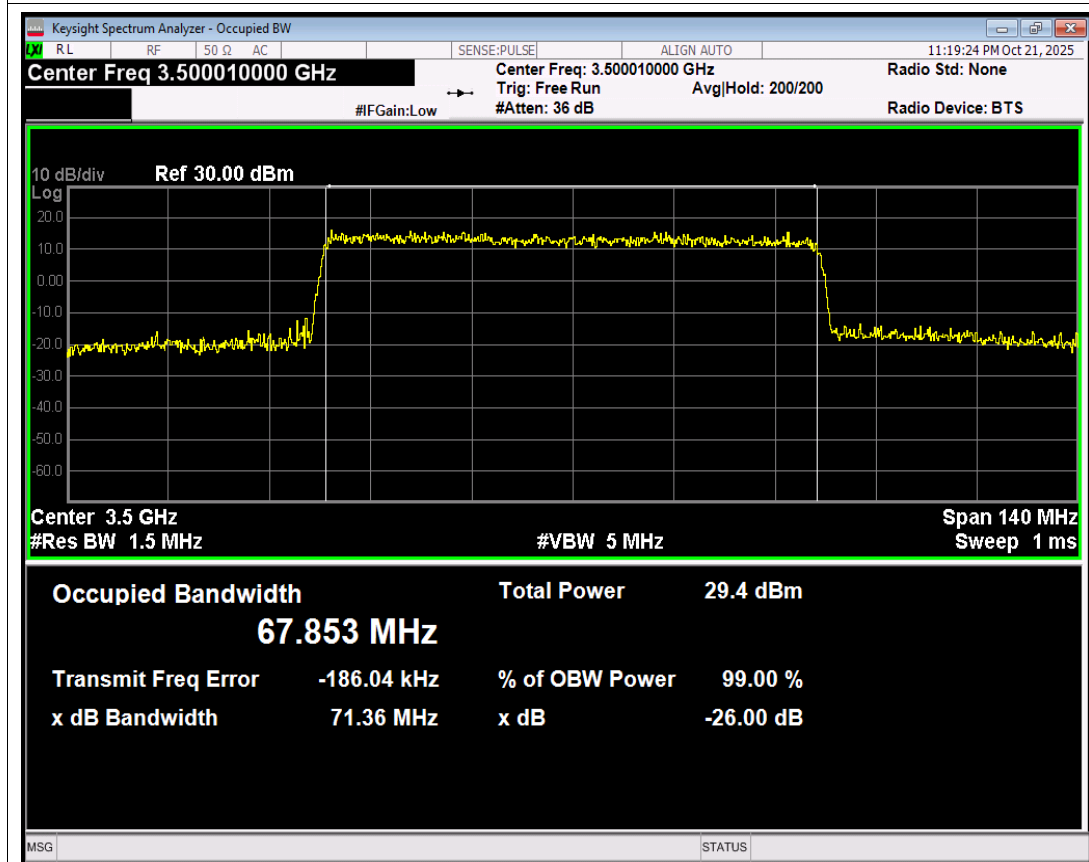
n78(3450-3550) SCS=30kHz CP_64QAM BW=60MHz Channel=633334 RB=162@0



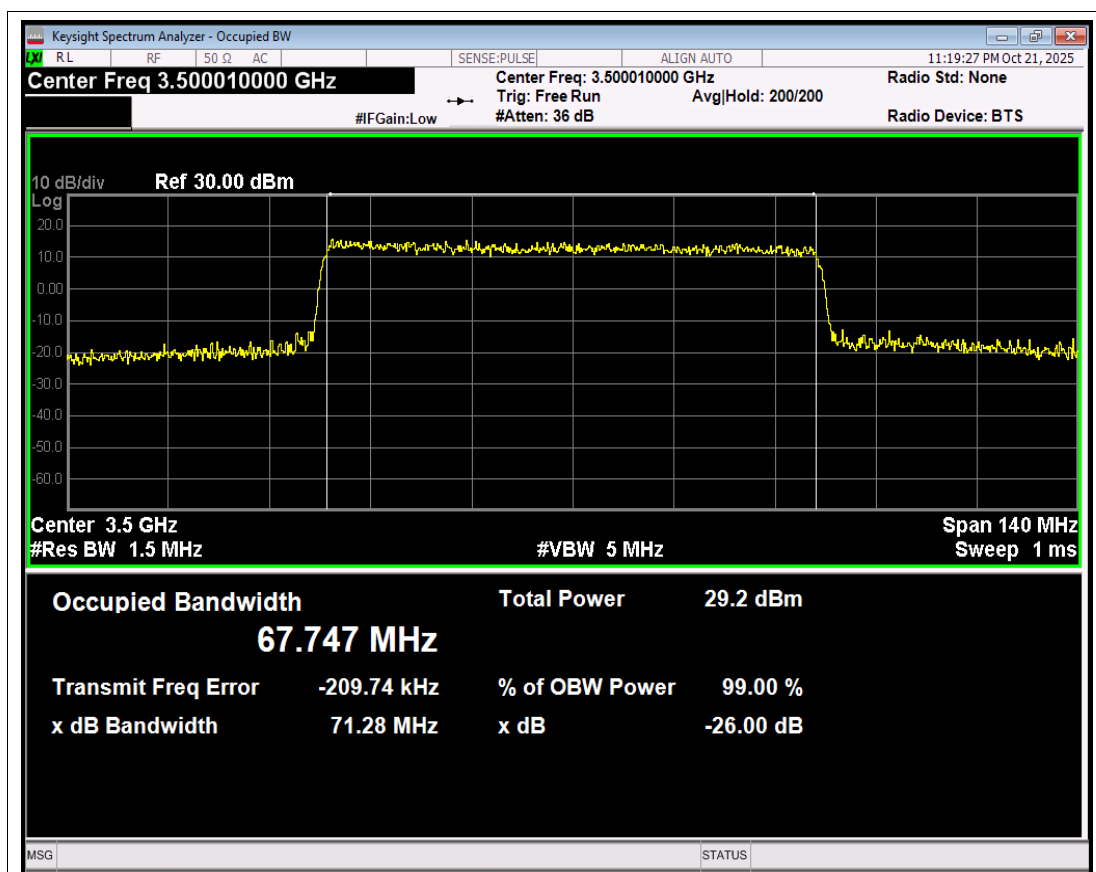
n78(3450-3550) SCS=30kHz CP_256QAM BW=60MHz Channel=633334 RB=162@0



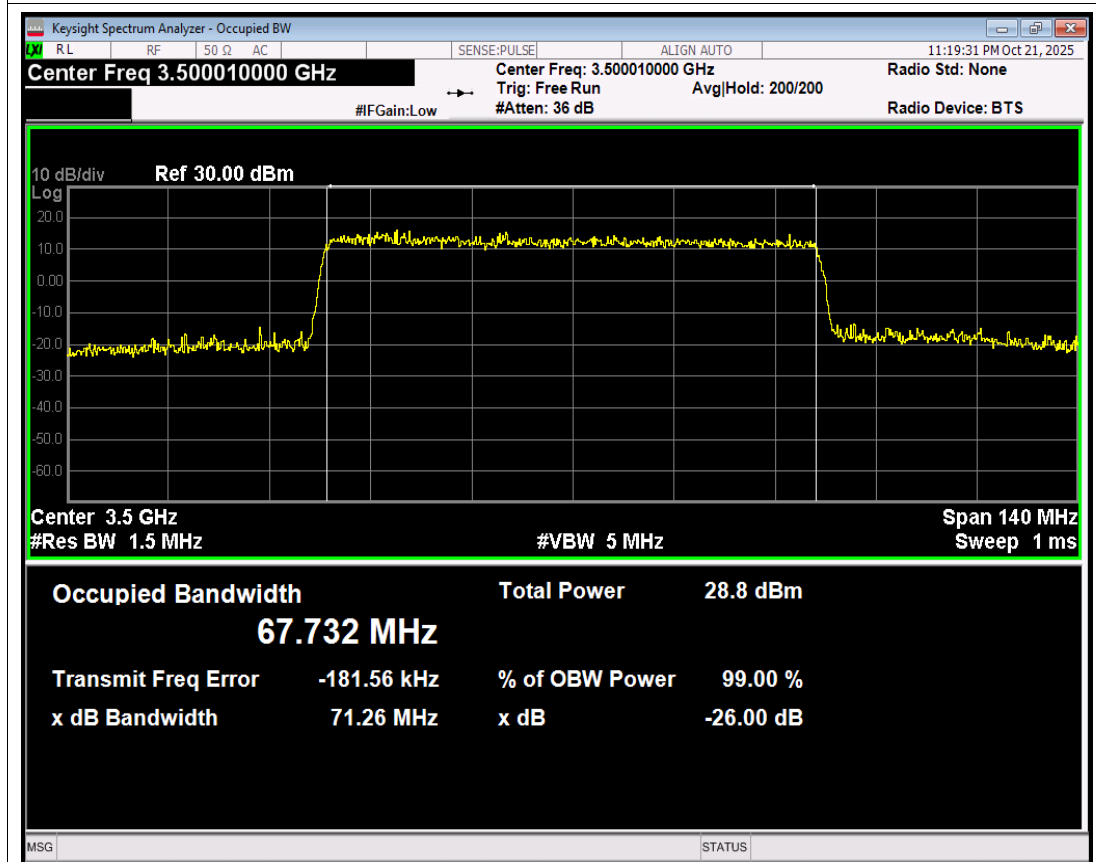
n78(3450-3550) SCS=30kHz DFT_BPSK BW=70MHz Channel=633334 RB=180@0



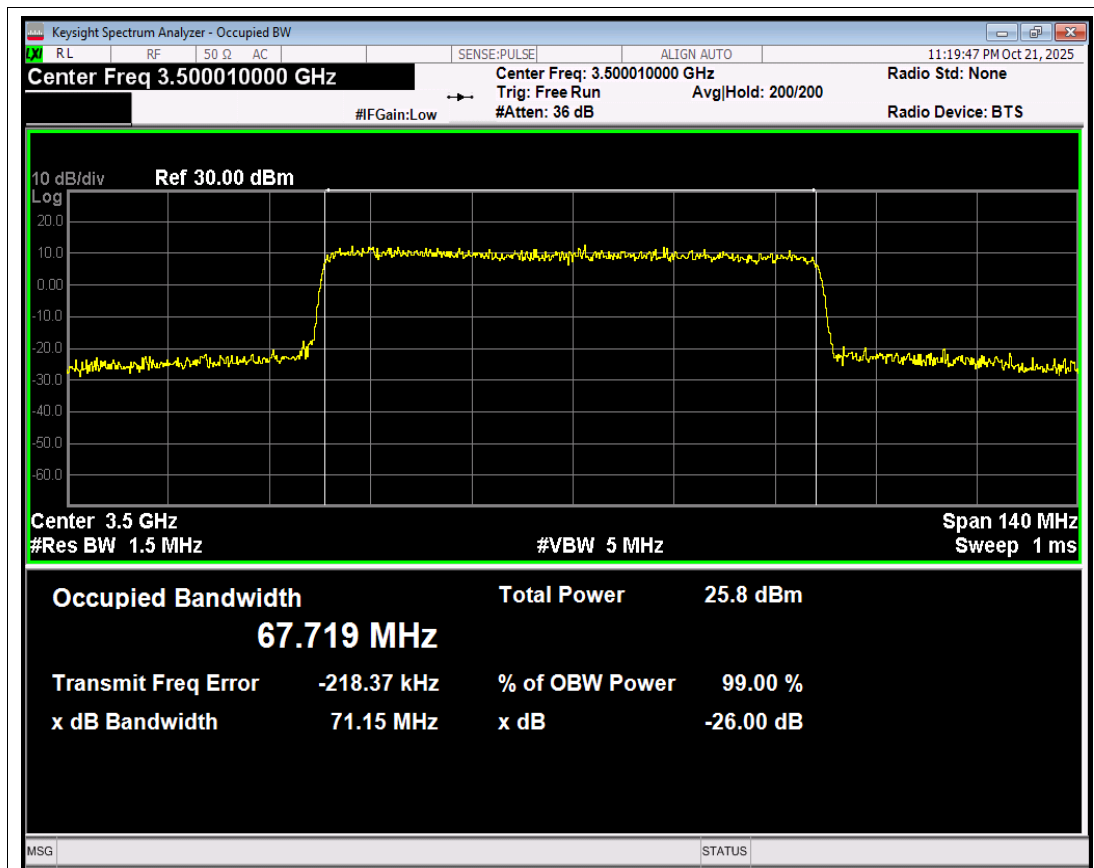
n78(3450-3550) SCS=30kHz CP_QPSK BW=70MHz Channel=633334 RB=189@0



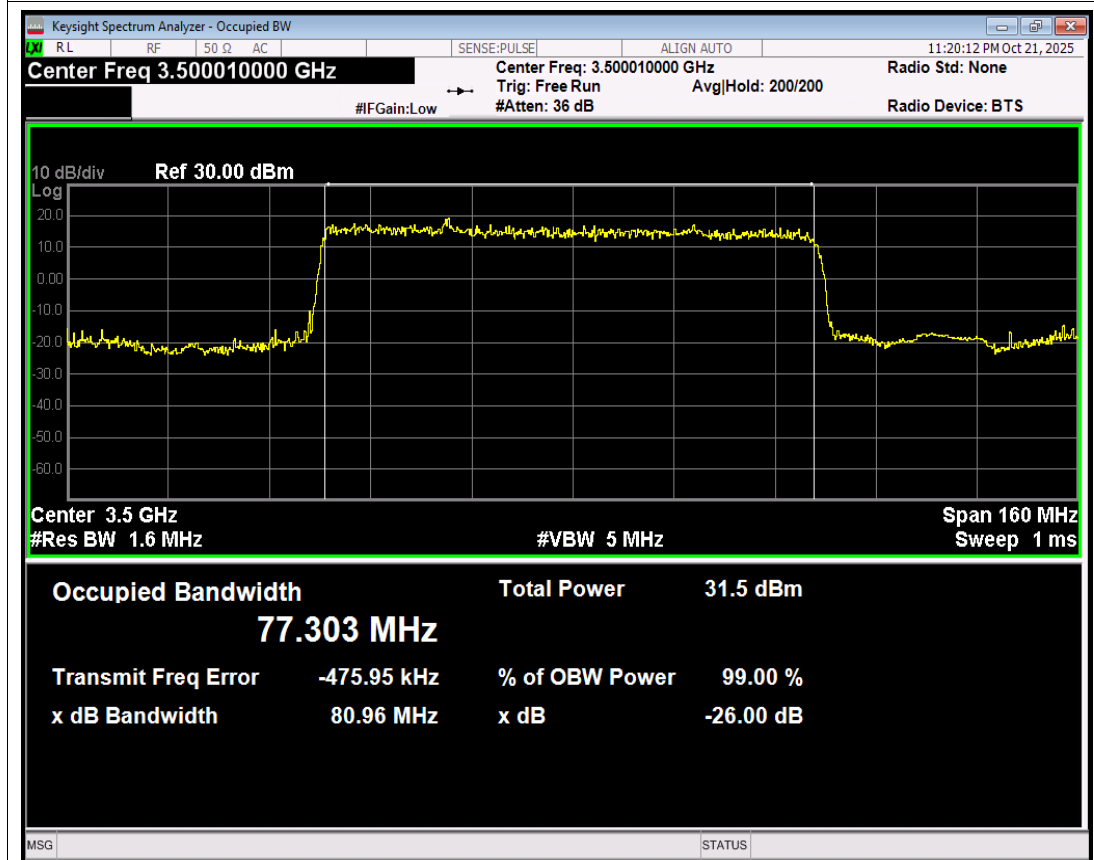
n78(3450-3550) SCS=30kHz CP_16QAM BW=70MHz Channel=633334 RB=189@0



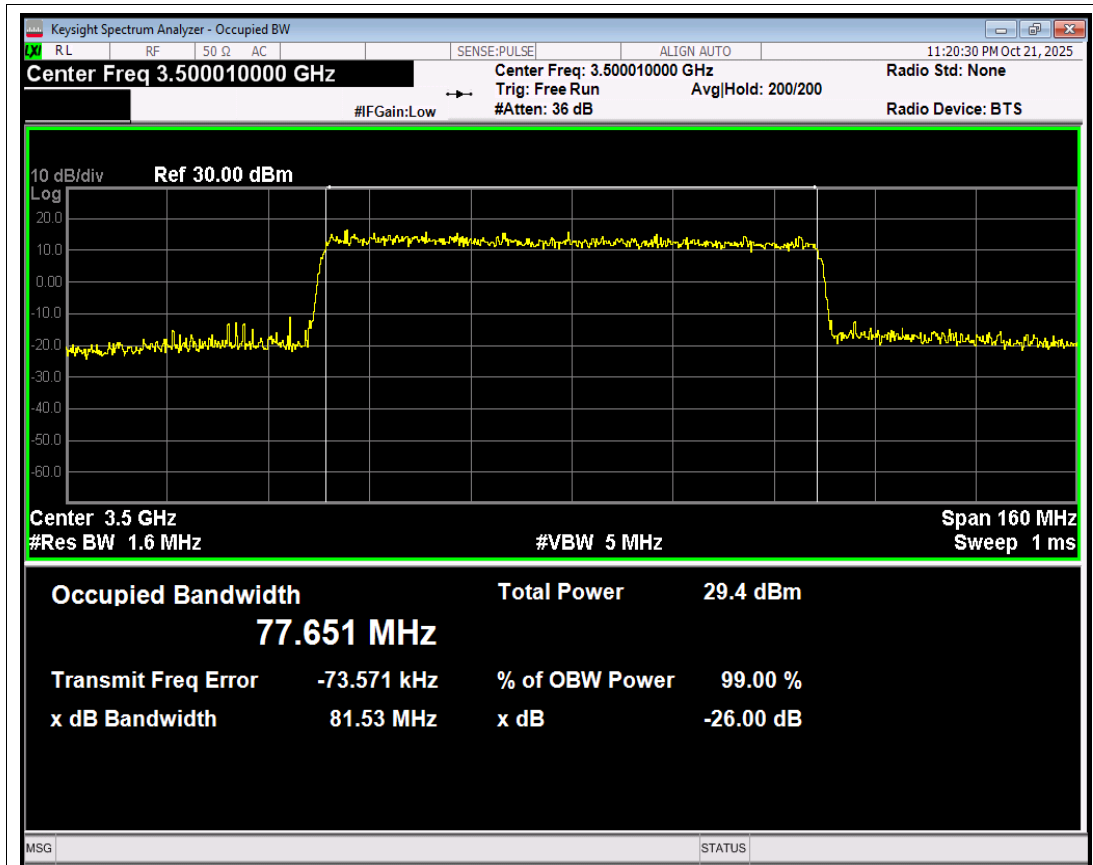
n78(3450-3550) SCS=30kHz CP_64QAM BW=70MHz Channel=633334 RB=189@0



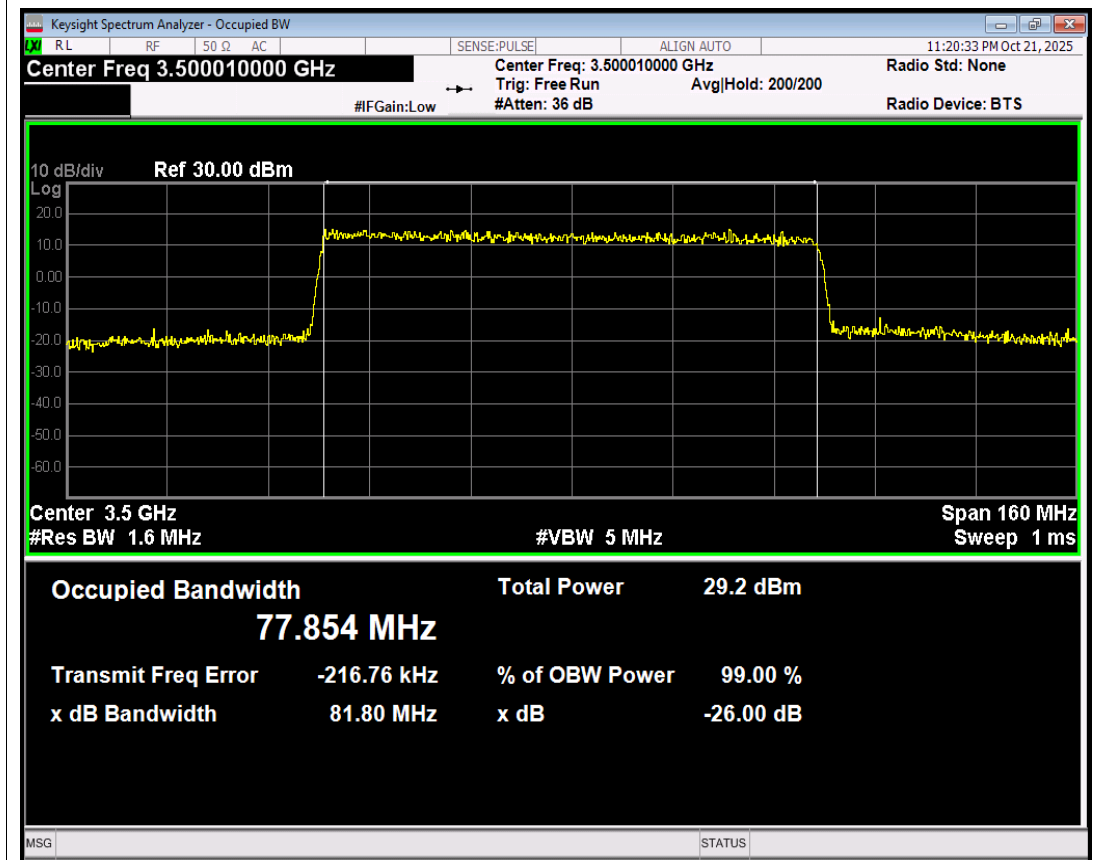
n78(3450-3550) SCS=30kHz CP_256QAM BW=70MHz Channel=633334 RB=189@0



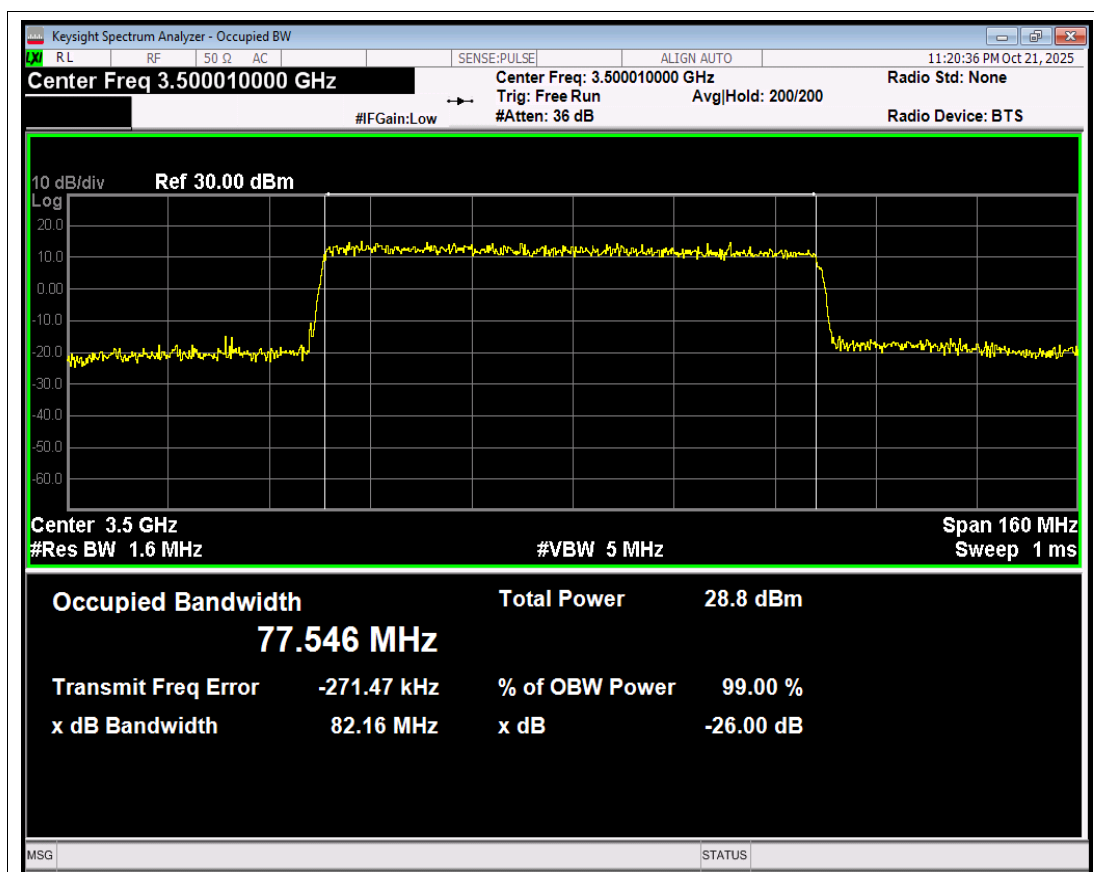
n78(3450-3550) SCS=30kHz DFT_BPSK BW=80MHz Channel=633334 RB=216@0



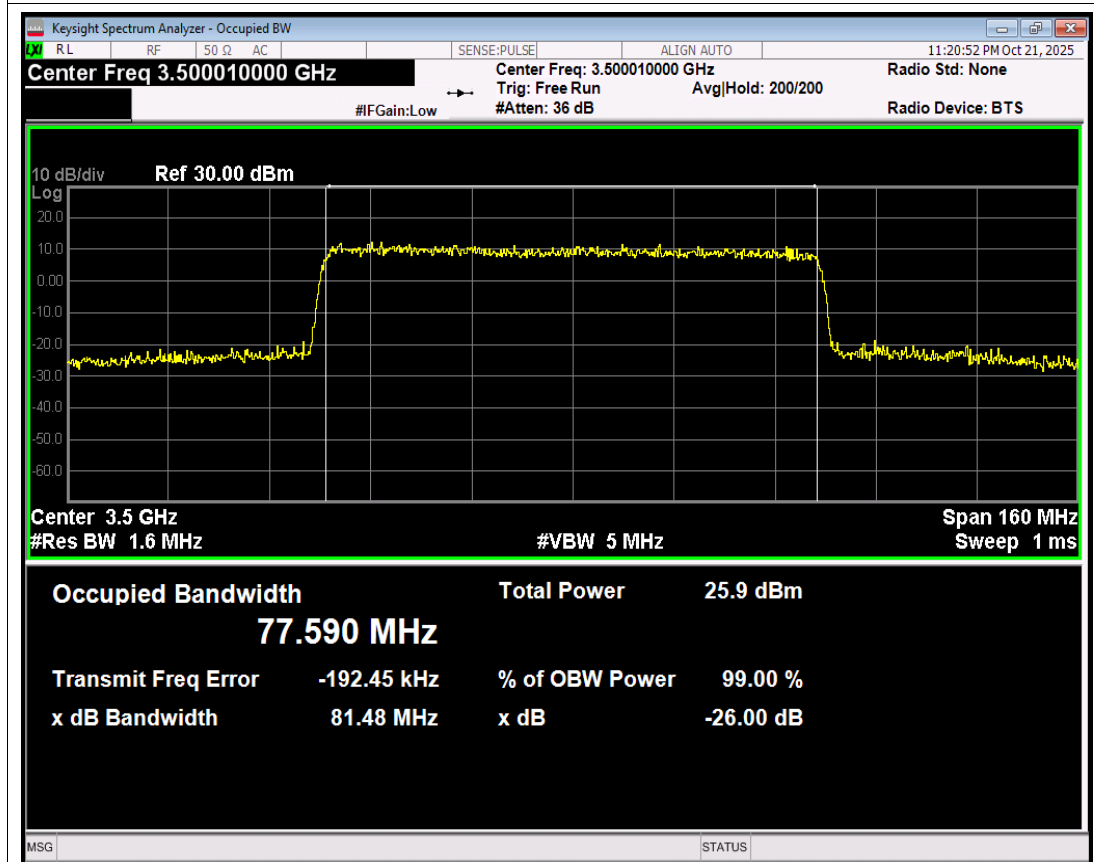
n78(3450-3550) SCS=30kHz CP_QPSK BW=80MHz Channel=633334 RB=217@0



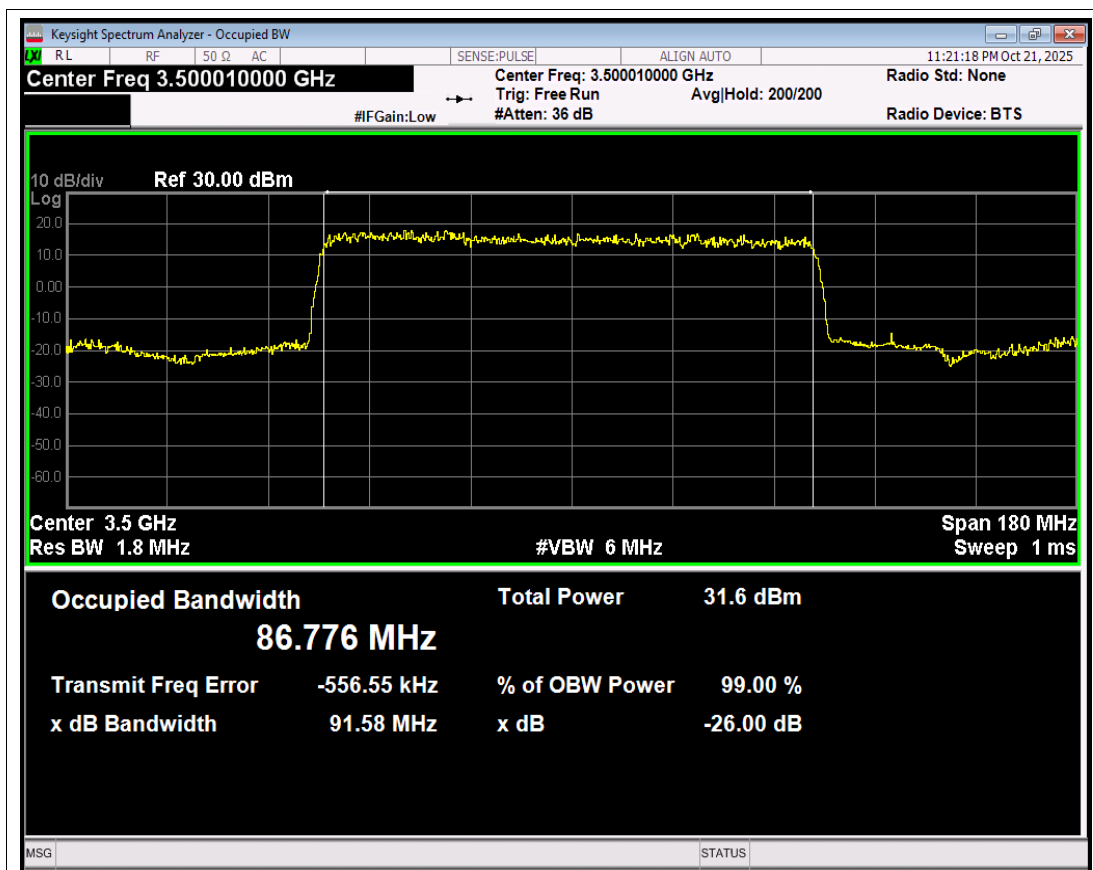
n78(3450-3550) SCS=30kHz CP_16QAM BW=80MHz Channel=633334 RB=217@0



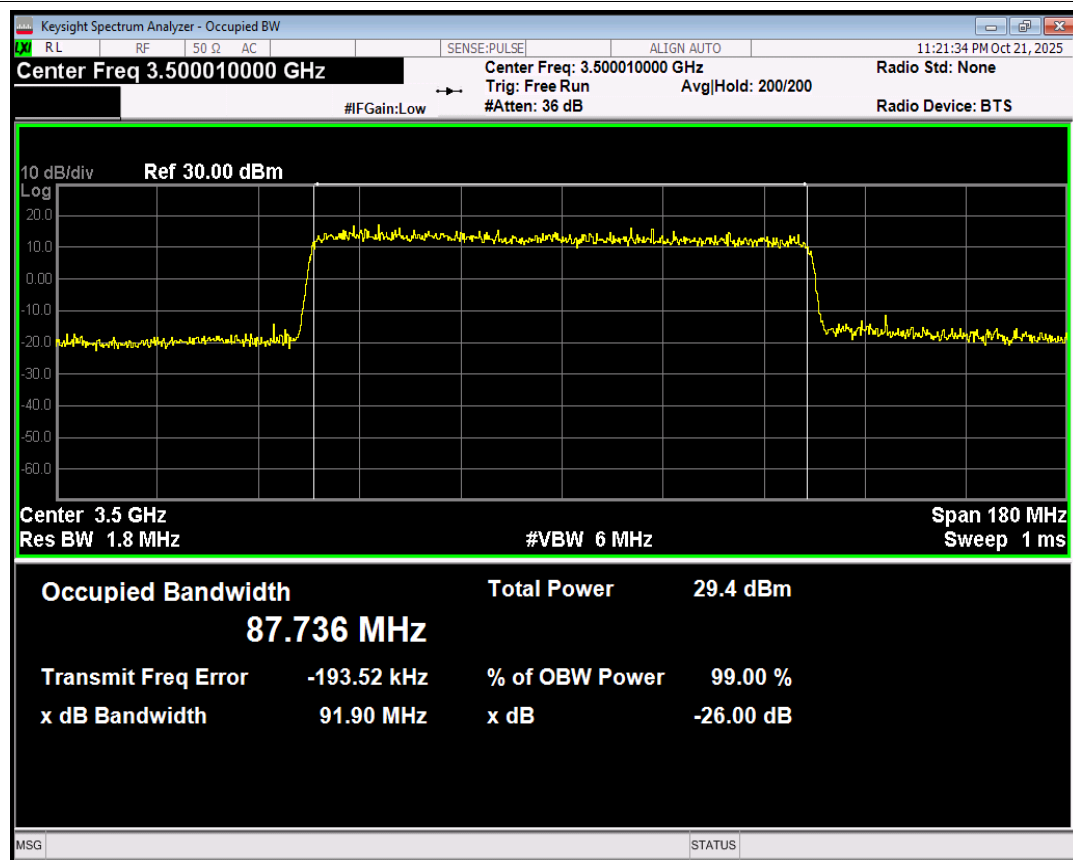
n78(3450-3550) SCS=30kHz CP_64QAM BW=80MHz Channel=633334 RB=217@0



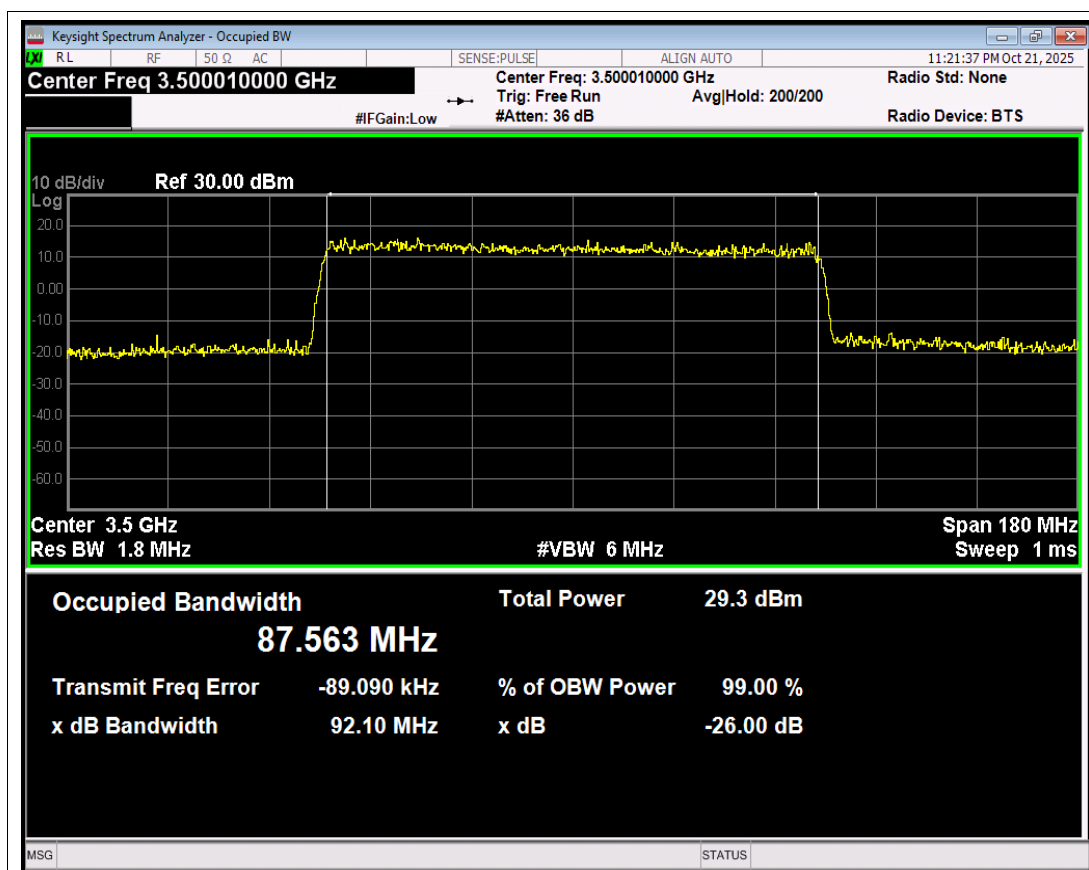
n78(3450-3550) SCS=30kHz CP_256QAM BW=80MHz Channel=633334 RB=217@0



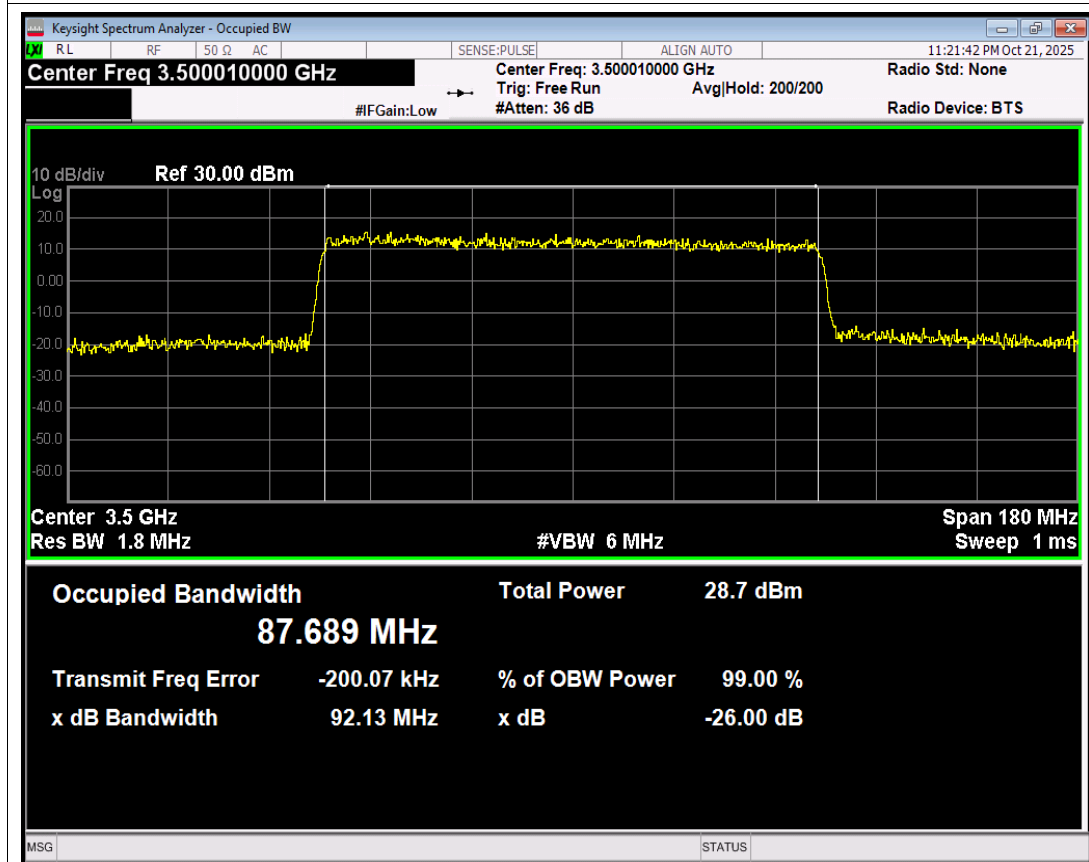
n78(3450-3550) SCS=30kHz DFT_BPSK BW=90MHz Channel=633334 RB=243@0



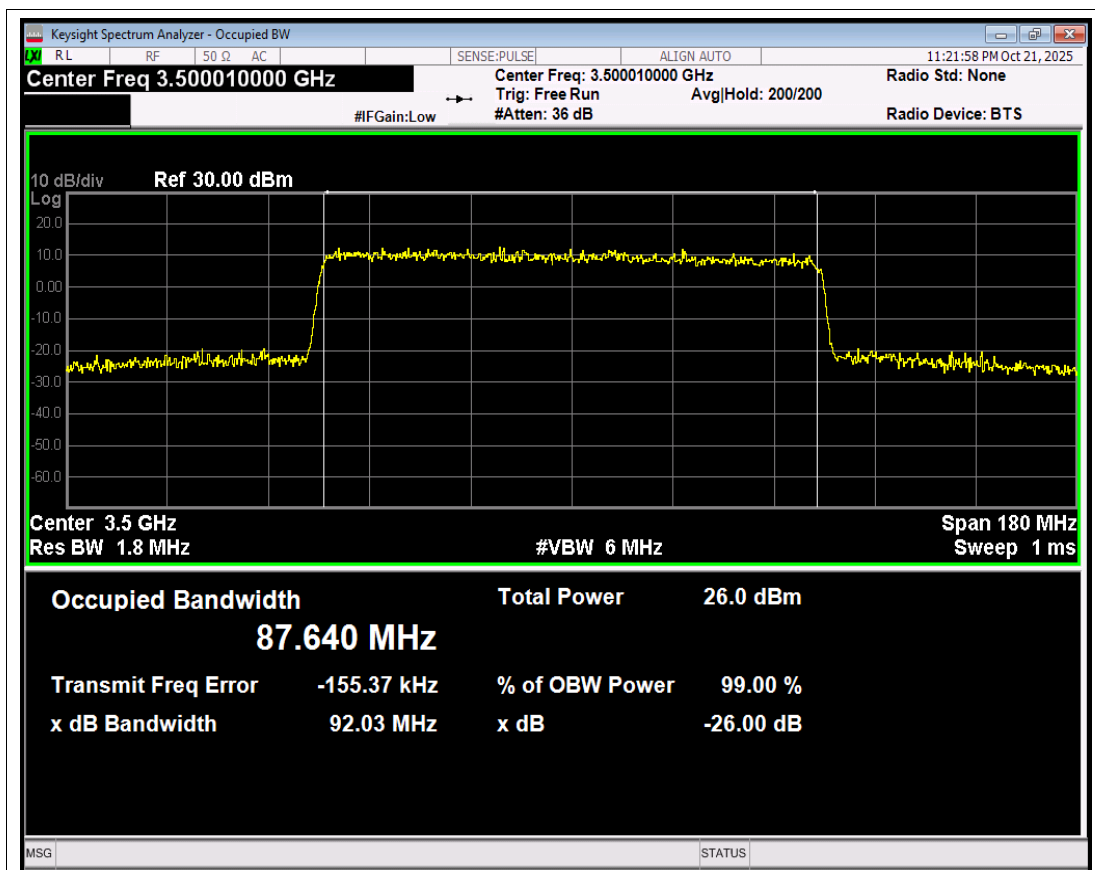
n78(3450-3550) SCS=30kHz CP_QPSK BW=90MHz Channel=633334 RB=245@0



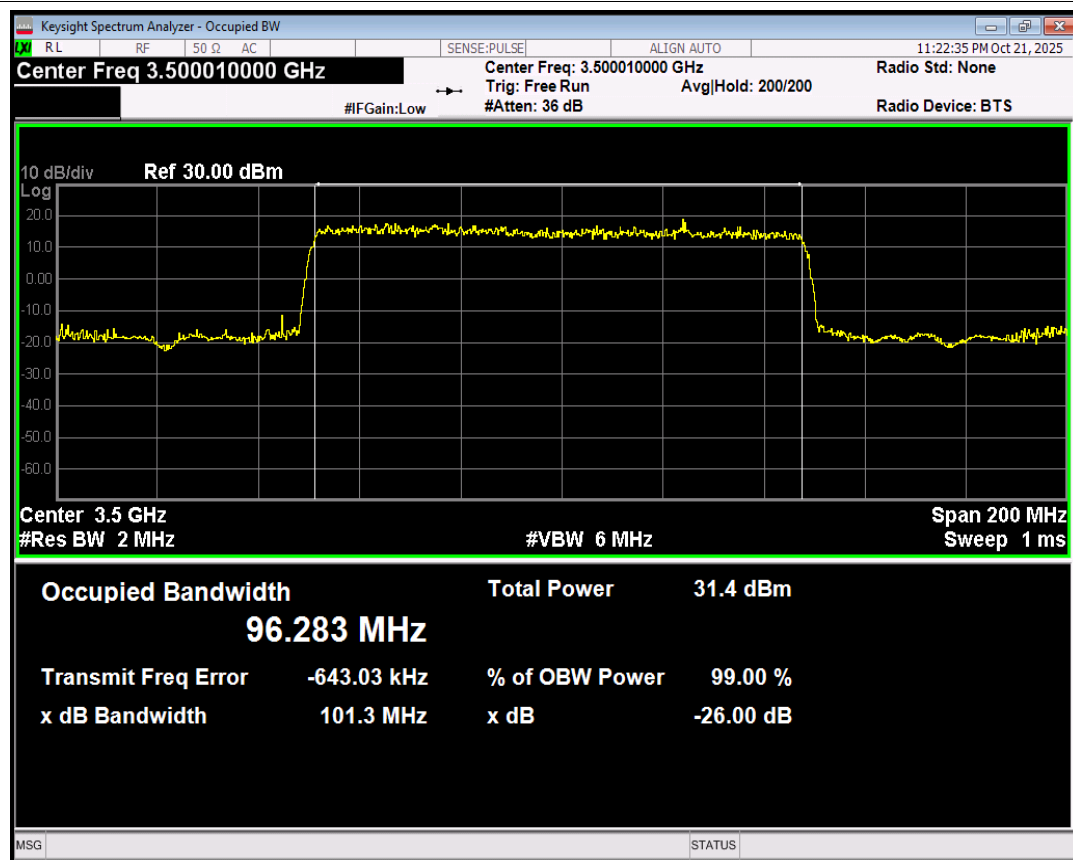
n78(3450-3550) SCS=30kHz CP_16QAM BW=90MHz Channel=633334 RB=245@0



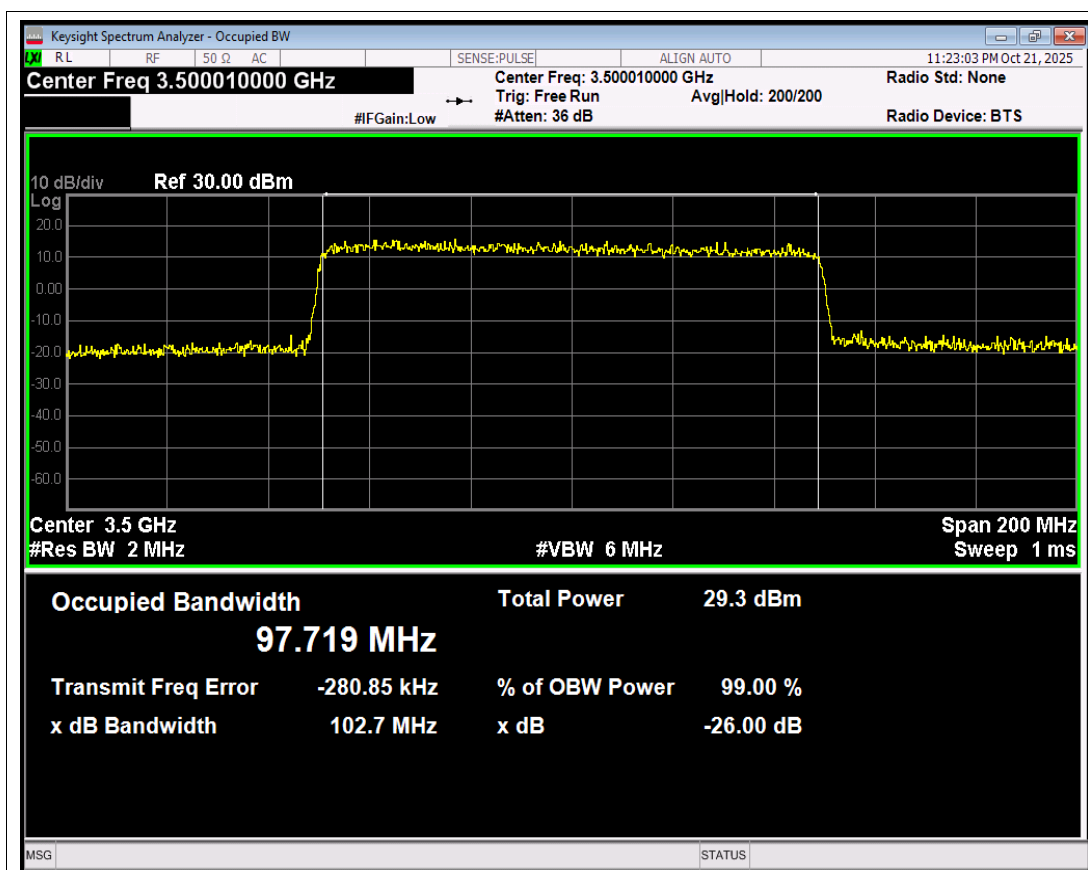
n78(3450-3550) SCS=30kHz CP_64QAM BW=90MHz Channel=633334 RB=245@0



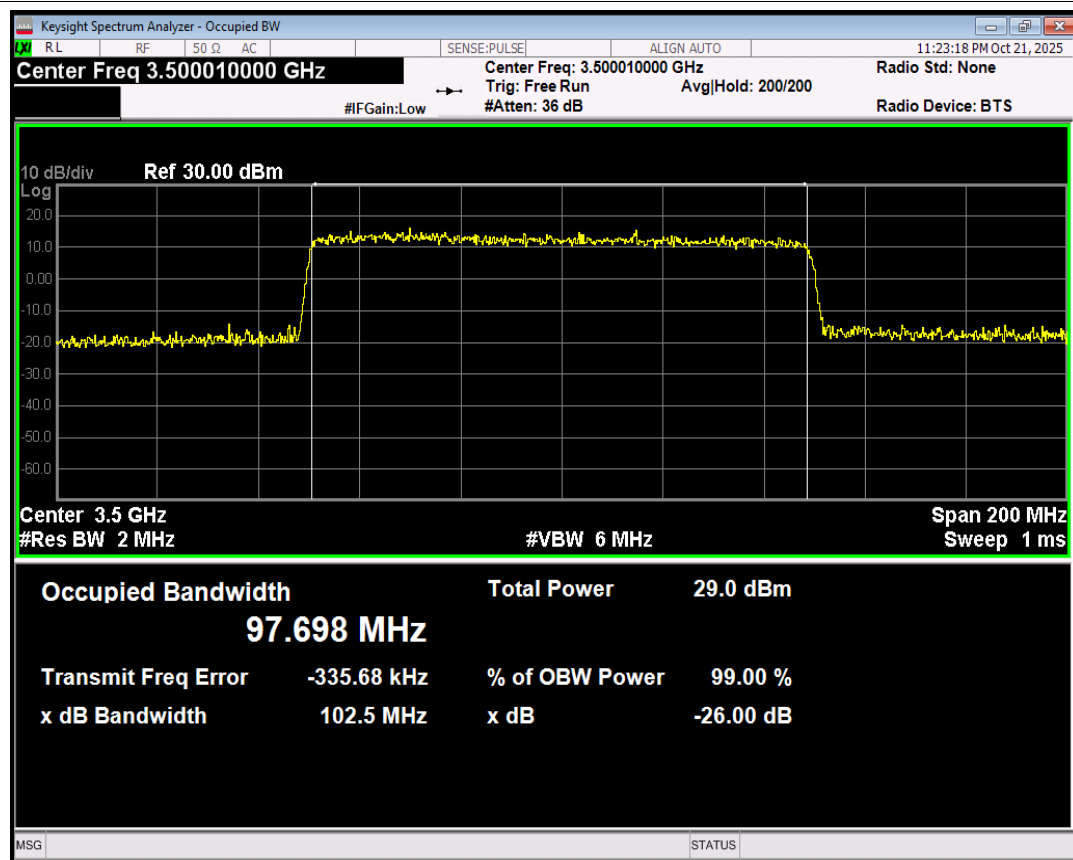
n78(3450-3550) SCS=30kHz CP_256QAM BW=90MHz Channel=633334 RB=245@0



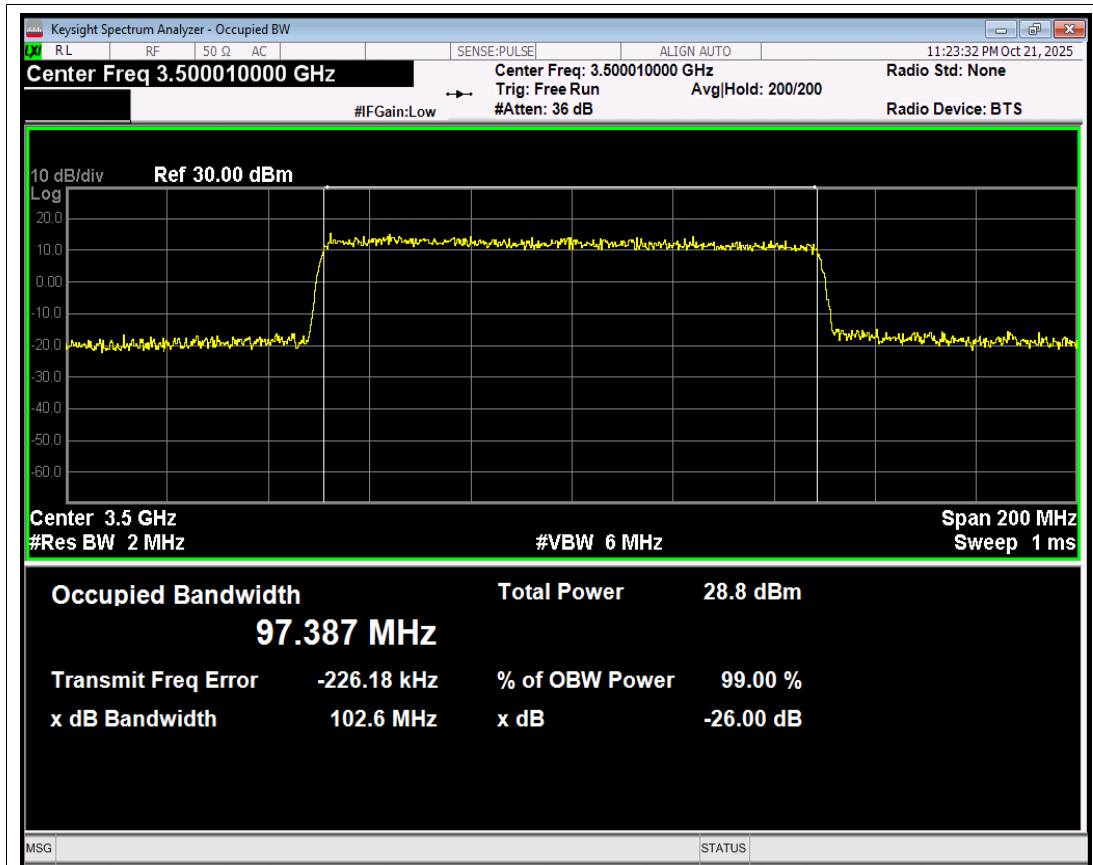
n78(3450-3550) SCS=30kHz DFT_BPSK BW=100MHz Channel=633334 RB=270@0



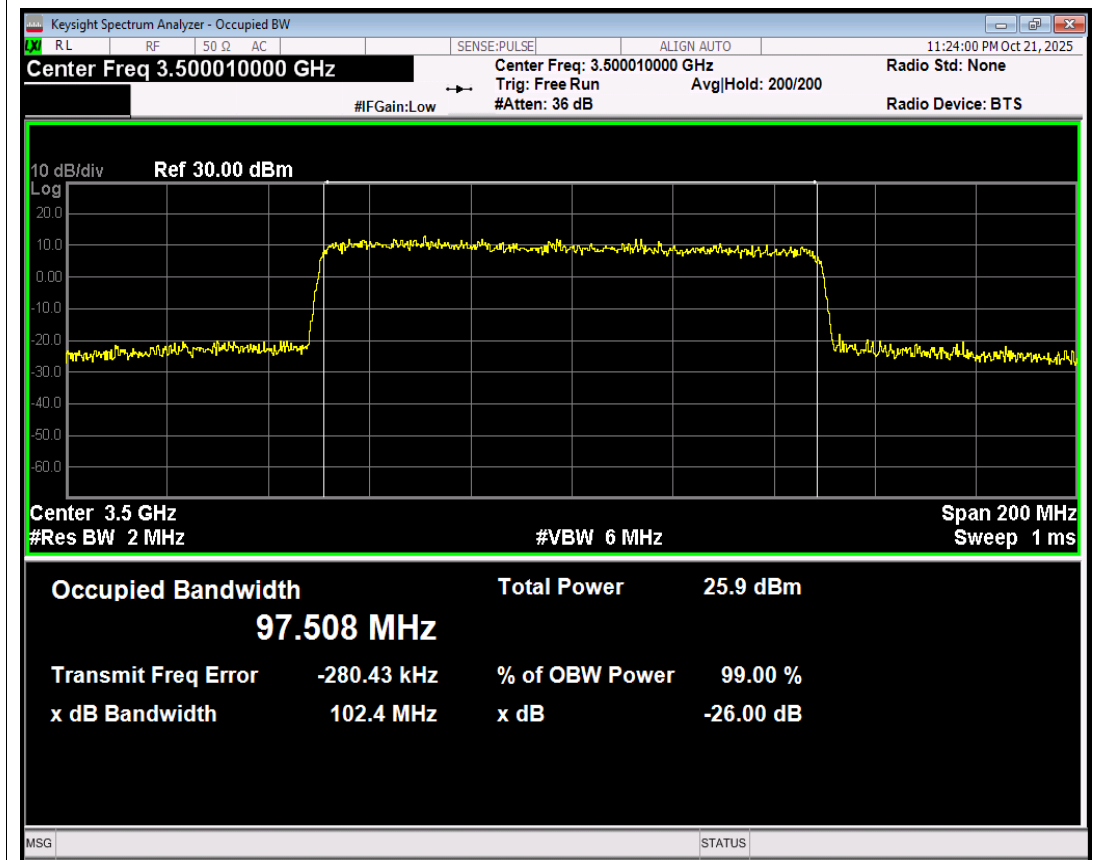
n78(3450-3550) SCS=30kHz CP_QPSK BW=100MHz Channel=633334 RB=273@0



n78(3450-3550) SCS=30kHz CP_16QAM BW=100MHz Channel=633334 RB=273@0



n78(3450-3550) SCS=30kHz CP_64QAM BW=100MHz Channel=633334 RB=273@0



n78(3450-3550) SCS=30kHz CP_256QAM BW=100MHz Channel=633334 RB=273@0

5. Conducted Band Edge for NR FR1

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
n78(3450-3550)	30	10	630334	1@0	DFT_BPSK	3448.44	-34.81	-13	PASS
n78(3450-3550)	30	10	630334	24@0	DFT_BPSK	3448.71	-33.10	-13	PASS
n78(3450-3550)	30	10	630334	1@0	DFT_QPSK	3449.95	-32.82	-13	PASS
n78(3450-3550)	30	10	630334	24@0	DFT_QPSK	3448.39	-37.79	-13	PASS
n78(3450-3550)	30	10	630334	1@0	DFT_16QAM	3450.00	-32.44	-13	PASS
n78(3450-3550)	30	10	630334	24@0	DFT_16QAM	3444.38	-38.26	-13	PASS
n78(3450-3550)	30	10	630334	1@0	DFT_64QAM	3449.99	-33.40	-13	PASS
n78(3450-3550)	30	10	630334	24@0	DFT_64QAM	3448.80	-36.60	-13	PASS
n78(3450-3550)	30	10	630334	1@0	DFT_256QAM	3448.68	-33.22	-13	PASS
n78(3450-3550)	30	10	630334	24@0	DFT_256QAM	3443.13	-40.03	-13	PASS
n78(3450-3550)	30	10	630334	24@0	CP_QPSK	3447.81	-39.08	-13	PASS
n78(3450-3550)	30	10	636332	1@23	DFT_BPSK	3551.07	-30.89	-13	PASS
n78(3450-3550)	30	10	636332	24@0	DFT_BPSK	3555.02	-38.44	-13	PASS
n78(3450-3550)	30	10	636332	1@23	DFT_QPSK	3550.06	-33.42	-13	PASS
n78(3450-3550)	30	10	636332	24@0	DFT_QPSK	3551.22	-37.47	-13	PASS
n78(3450-3550)	30	10	636332	1@23	DFT_16QAM	3551.43	-32.16	-13	PASS
n78(3450-3550)	30	10	636332	24@0	DFT_16QAM	3551.06	-35.87	-13	PASS
n78(3450-3550)	30	10	636332	1@23	DFT_64QAM	3550.04	-33.87	-13	PASS
n78(3450-3550)	30	10	636332	24@0	DFT_64QAM	3551.93	-35.57	-13	PASS
n78(3450-3550)	30	10	636332	1@23	DFT_256QAM	3551.01	-33.59	-13	PASS
n78(3450-3550)	30	10	636332	24@0	DFT_256QAM	3551.03	-36.95	-13	PASS
n78(3450-3550)	30	10	636332	24@0	CP_QPSK	3551.06	-40.69	-13	PASS
n78(3450-3550)	30	15	630500	1@0	DFT_BPSK	3449.92	-29.12	-13	PASS
n78(3450-3550)	30	15	630500	36@0	DFT_BPSK	3448.80	-37.27	-13	PASS
n78(3450-3550)	30	15	630500	1@0	DFT_QPSK	3449.98	-25.89	-13	PASS
n78(3450-3550)	30	15	630500	36@0	DFT_QPSK	3448.35	-36.87	-13	PASS
n78(3450-3550)	30	15	630500	1@0	DFT_16QAM	3449.96	-25.51	-13	PASS
n78(3450-3550)	30	15	630500	36@0	DFT_16QAM	3448.05	-35.33	-13	PASS
n78(3450-3550)	30	15	630500	1@0	DFT_64QAM	3450.00	-28.75	-13	PASS
n78(3450-3550)	30	15	630500	36@0	DFT_64QAM	3448.40	-37.07	-13	PASS
n78(3450-3550)	30	15	630500	1@0	DFT_256QAM	3449.94	-30.64	-13	PASS
n78(3450-3550)	30	15	630500	36@0	DFT_256QAM	3448.94	-39.44	-13	PASS
n78(3450-3550)	30	15	630500	38@0	CP_QPSK	3448.06	-37.18	-13	PASS
n78(3450-3550)	30	15	636166	1@37	DFT_BPSK	3550.01	-27.67	-13	PASS
n78(3450-3550)	30	15	636166	36@0	DFT_BPSK	3551.25	-37.66	-13	PASS
n78(3450-3550)	30	15	636166	1@37	DFT_QPSK	3550.02	-30.72	-13	PASS
n78(3450-3550)	30	15	636166	36@0	DFT_QPSK	3552.23	-38.05	-13	PASS
n78(3450-3550)	30	15	636166	1@37	DFT_16QAM	3549.02	0.80	30	PASS
n78(3450-3550)	30	15	636166	36@0	DFT_16QAM	3555.14	-36.95	-13	PASS

n78(3450-3550)	30	15	636166	1@37	DFT_64QAM	3550.00	-28.41	-13	PASS
n78(3450-3550)	30	15	636166	36@0	DFT_64QAM	3551.08	-40.49	-13	PASS
n78(3450-3550)	30	15	636166	1@37	DFT_256QAM	3550.07	-33.03	-13	PASS
n78(3450-3550)	30	15	636166	36@0	DFT_256QAM	3556.59	-42.70	-13	PASS
n78(3450-3550)	30	15	636166	38@0	CP_QPSK	3555.71	-38.46	-13	PASS
n78(3450-3550)	30	20	630668	1@0	DFT_BPSK	3449.88	-25.30	-13	PASS
n78(3450-3550)	30	20	630668	50@0	DFT_BPSK	3448.61	-39.22	-13	PASS
n78(3450-3550)	30	20	630668	1@0	DFT_QPSK	3449.99	-25.71	-13	PASS
n78(3450-3550)	30	20	630668	50@0	DFT_QPSK	3448.63	-36.96	-13	PASS
n78(3450-3550)	30	20	630668	1@0	DFT_16QAM	3449.95	-26.58	-13	PASS
n78(3450-3550)	30	20	630668	50@0	DFT_16QAM	3444.94	-38.42	-13	PASS
n78(3450-3550)	30	20	630668	1@0	DFT_64QAM	3449.94	-27.93	-13	PASS
n78(3450-3550)	30	20	630668	50@0	DFT_64QAM	3448.03	-38.87	-13	PASS
n78(3450-3550)	30	20	630668	1@0	DFT_256QAM	3449.97	-29.61	-13	PASS
n78(3450-3550)	30	20	630668	50@0	DFT_256QAM	3443.89	-41.82	-13	PASS
n78(3450-3550)	30	20	630668	51@0	CP_QPSK	3448.92	-35.90	-13	PASS
n78(3450-3550)	30	20	636000	1@50	DFT_BPSK	3550.03	-28.28	-13	PASS
n78(3450-3550)	30	20	636000	50@0	DFT_BPSK	3550.11	-41.35	-13	PASS
n78(3450-3550)	30	20	636000	1@50	DFT_QPSK	3550.05	-27.20	-13	PASS
n78(3450-3550)	30	20	636000	50@0	DFT_QPSK	3555.23	-38.24	-13	PASS
n78(3450-3550)	30	20	636000	1@50	DFT_16QAM	3550.02	-26.92	-13	PASS
n78(3450-3550)	30	20	636000	50@0	DFT_16QAM	3551.46	-39.32	-13	PASS
n78(3450-3550)	30	20	636000	1@50	DFT_64QAM	3550.05	-26.78	-13	PASS
n78(3450-3550)	30	20	636000	50@0	DFT_64QAM	3552.94	-41.95	-13	PASS
n78(3450-3550)	30	20	636000	1@50	DFT_256QAM	3550.02	-29.45	-13	PASS
n78(3450-3550)	30	20	636000	50@0	DFT_256QAM	3557.69	-42.89	-13	PASS
n78(3450-3550)	30	20	636000	51@0	CP_QPSK	3550.12	-39.17	-13	PASS
n78(3450-3550)	30	40	631334	1@0	DFT_BPSK	3449.99	-26.67	-13	PASS
n78(3450-3550)	30	40	631334	100@0	DFT_BPSK	3448.52	-40.26	-13	PASS
n78(3450-3550)	30	40	631334	1@0	DFT_QPSK	3449.99	-28.52	-13	PASS
n78(3450-3550)	30	40	631334	100@0	DFT_QPSK	3448.35	-39.96	-13	PASS
n78(3450-3550)	30	40	631334	1@0	DFT_16QAM	3449.92	-29.26	-13	PASS
n78(3450-3550)	30	40	631334	100@0	DFT_16QAM	3448.57	-40.61	-13	PASS
n78(3450-3550)	30	40	631334	1@0	DFT_64QAM	3449.96	-28.86	-13	PASS
n78(3450-3550)	30	40	631334	100@0	DFT_64QAM	3448.77	-42.70	-13	PASS
n78(3450-3550)	30	40	631334	1@0	DFT_256QAM	3449.98	-32.02	-13	PASS
n78(3450-3550)	30	40	631334	100@0	DFT_256QAM	3448.38	-44.38	-13	PASS
n78(3450-3550)	30	40	631334	106@0	CP_QPSK	3443.04	-42.57	-13	PASS
n78(3450-3550)	30	40	635332	1@105	DFT_BPSK	3550.04	-28.73	-13	PASS
n78(3450-3550)	30	40	635332	100@0	DFT_BPSK	3552.03	-44.12	-13	PASS
n78(3450-3550)	30	40	635332	1@105	DFT_QPSK	3550.03	-29.76	-13	PASS
n78(3450-3550)	30	40	635332	100@0	DFT_QPSK	3551.16	-40.97	-13	PASS
n78(3450-3550)	30	40	635332	1@105	DFT_16QAM	3550.01	-28.48	-13	PASS
n78(3450-3550)	30	40	635332	100@0	DFT_16QAM	3551.20	-42.18	-13	PASS

n78(3450-3550)	30	40	635332	1@105	DFT_64QAM	3550.01	-29.44	-13	PASS
n78(3450-3550)	30	40	635332	100@0	DFT_64QAM	3556.96	-43.90	-13	PASS
n78(3450-3550)	30	40	635332	1@105	DFT_256QAM	3550.07	-31.56	-13	PASS
n78(3450-3550)	30	40	635332	100@0	DFT_256QAM	3574.71	-44.03	-13	PASS
n78(3450-3550)	30	40	635332	106@0	CP_QPSK	3551.40	-40.02	-13	PASS
n78(3450-3550)	30	50	631668	1@0	DFT_BPSK	3449.99	-27.57	-13	PASS
n78(3450-3550)	30	50	631668	128@0	DFT_QPSK	3444.60	-42.32	-13	PASS
n78(3450-3550)	30	50	631668	1@0	DFT_QPSK	3449.98	-26.06	-13	PASS
n78(3450-3550)	30	50	631668	128@0	DFT_QPSK	3447.40	-41.23	-13	PASS
n78(3450-3550)	30	50	631668	1@0	DFT_16QAM	3449.94	-27.53	-13	PASS
n78(3450-3550)	30	50	631668	128@0	DFT_16QAM	3448.53	-41.61	-13	PASS
n78(3450-3550)	30	50	631668	1@0	DFT_64QAM	3449.95	-29.46	-13	PASS
n78(3450-3550)	30	50	631668	128@0	DFT_64QAM	3448.70	-41.57	-13	PASS
n78(3450-3550)	30	50	631668	1@0	DFT_256QAM	3449.93	-28.46	-13	PASS
n78(3450-3550)	30	50	631668	128@0	DFT_256QAM	3439.96	-43.72	-13	PASS
n78(3450-3550)	30	50	631668	133@0	CP_QPSK	3444.42	-43.72	-13	PASS
n78(3450-3550)	30	50	635000	1@132	DFT_BPSK	3550.04	-27.70	-13	PASS
n78(3450-3550)	30	50	635000	128@0	DFT_BPSK	3555.41	-43.18	-13	PASS
n78(3450-3550)	30	50	635000	1@132	DFT_QPSK	3550.00	-24.74	-13	PASS
n78(3450-3550)	30	50	635000	128@0	DFT_QPSK	3555.32	-42.75	-13	PASS
n78(3450-3550)	30	50	635000	1@132	DFT_16QAM	3550.17	-29.83	-13	PASS
n78(3450-3550)	30	50	635000	128@0	DFT_16QAM	3557.25	-43.16	-13	PASS
n78(3450-3550)	30	50	635000	1@132	DFT_64QAM	3550.02	-25.27	-13	PASS
n78(3450-3550)	30	50	635000	128@0	DFT_64QAM	3557.97	-42.88	-13	PASS
n78(3450-3550)	30	50	635000	1@132	DFT_256QAM	3550.04	-29.41	-13	PASS
n78(3450-3550)	30	50	635000	128@0	DFT_256QAM	3551.35	-41.60	-13	PASS
n78(3450-3550)	30	50	635000	133@0	CP_QPSK	3559.10	-43.36	-13	PASS
n78(3450-3550)	30	60	632000	1@0	DFT_BPSK	3449.97	-23.26	-13	PASS
n78(3450-3550)	30	60	632000	162@0	DFT_BPSK	3447.88	-40.29	-13	PASS
n78(3450-3550)	30	60	632000	1@0	DFT_QPSK	3449.99	-24.39	-13	PASS
n78(3450-3550)	30	60	632000	162@0	DFT_QPSK	3447.58	-40.22	-13	PASS
n78(3450-3550)	30	60	632000	1@0	DFT_16QAM	3449.97	-26.40	-13	PASS
n78(3450-3550)	30	60	632000	162@0	DFT_16QAM	3448.76	-42.12	-13	PASS
n78(3450-3550)	30	60	632000	1@0	DFT_64QAM	3449.96	-27.10	-13	PASS
n78(3450-3550)	30	60	632000	162@0	DFT_64QAM	3444.56	-44.22	-13	PASS
n78(3450-3550)	30	60	632000	1@0	DFT_256QAM	3449.95	-28.25	-13	PASS
n78(3450-3550)	30	60	632000	162@0	DFT_256QAM	3448.84	-44.09	-13	PASS
n78(3450-3550)	30	60	632000	162@0	CP_QPSK	3440.88	-42.06	-13	PASS
n78(3450-3550)	30	60	634666	1@161	DFT_BPSK	3550.11	-26.41	-13	PASS
n78(3450-3550)	30	60	634666	162@0	DFT_BPSK	3551.55	-42.00	-13	PASS
n78(3450-3550)	30	60	634666	1@161	DFT_QPSK	3550.01	-28.70	-13	PASS
n78(3450-3550)	30	60	634666	162@0	DFT_QPSK	3551.75	-41.34	-13	PASS
n78(3450-3550)	30	60	634666	1@161	DFT_16QAM	3550.03	-26.87	-13	PASS
n78(3450-3550)	30	60	634666	162@0	DFT_16QAM	3551.83	-41.92	-13	PASS

n78(3450-3550)	30	60	634666	1@161	DFT_64QAM	3550.01	-26.87	-13	PASS
n78(3450-3550)	30	60	634666	162@0	DFT_64QAM	3550.07	-44.70	-13	PASS
n78(3450-3550)	30	60	634666	1@161	DFT_256QAM	3550.05	-28.33	-13	PASS
n78(3450-3550)	30	60	634666	162@0	DFT_256QAM	3551.47	-43.60	-13	PASS
n78(3450-3550)	30	60	634666	162@0	CP_QPSK	3551.40	-44.34	-13	PASS
n78(3450-3550)	30	70	632334	1@0	DFT_BPSK	3449.91	-24.30	-13	PASS
n78(3450-3550)	30	70	632334	180@0	DFT_BPSK	3448.82	-42.30	-13	PASS
n78(3450-3550)	30	70	632334	1@0	DFT_QPSK	3423.16	-44.70	-13	PASS
n78(3450-3550)	30	70	632334	180@0	DFT_QPSK	3449.98	-42.38	-13	PASS
n78(3450-3550)	30	70	632334	1@0	DFT_16QAM	3449.95	-25.80	-13	PASS
n78(3450-3550)	30	70	632334	180@0	DFT_16QAM	3449.97	-42.00	-13	PASS
n78(3450-3550)	30	70	632334	1@0	DFT_64QAM	3449.89	-27.04	-13	PASS
n78(3450-3550)	30	70	632334	180@0	DFT_64QAM	3449.96	-43.28	-13	PASS
n78(3450-3550)	30	70	632334	1@0	DFT_256QAM	3449.89	-30.17	-13	PASS
n78(3450-3550)	30	70	632334	180@0	DFT_256QAM	3426.15	-44.50	-13	PASS
n78(3450-3550)	30	70	632334	189@0	CP_QPSK	3449.98	-42.73	-13	PASS
n78(3450-3550)	30	70	634332	1@188	DFT_BPSK	3550.04	-24.81	-13	PASS
n78(3450-3550)	30	70	634332	180@0	DFT_BPSK	3551.21	-42.43	-13	PASS
n78(3450-3550)	30	70	634332	1@188	DFT_QPSK	3550.14	-25.21	-13	PASS
n78(3450-3550)	30	70	634332	180@0	DFT_QPSK	3560.66	-44.02	-13	PASS
n78(3450-3550)	30	70	634332	1@188	DFT_16QAM	3550.03	-23.91	-13	PASS
n78(3450-3550)	30	70	634332	180@0	DFT_16QAM	3561.96	-44.72	-13	PASS
n78(3450-3550)	30	70	634332	1@188	DFT_64QAM	3550.02	-26.74	-13	PASS
n78(3450-3550)	30	70	634332	180@0	DFT_64QAM	3565.92	-45.33	-13	PASS
n78(3450-3550)	30	70	634332	1@188	DFT_256QAM	3550.07	-29.46	-13	PASS
n78(3450-3550)	30	70	634332	180@0	DFT_256QAM	3554.21	-45.81	-13	PASS
n78(3450-3550)	30	70	634332	189@0	CP_QPSK	3551.27	-43.09	-13	PASS
n78(3450-3550)	30	80	632668	1@0	DFT_BPSK	3449.99	-27.09	-13	PASS
n78(3450-3550)	30	80	632668	216@0	DFT_BPSK	3447.92	-42.40	-13	PASS
n78(3450-3550)	30	80	632668	1@0	DFT_QPSK	3449.90	-27.92	-13	PASS
n78(3450-3550)	30	80	632668	216@0	DFT_QPSK	3449.91	-42.29	-13	PASS
n78(3450-3550)	30	80	632668	1@0	DFT_16QAM	3449.98	-27.89	-13	PASS
n78(3450-3550)	30	80	632668	216@0	DFT_16QAM	3440.73	-43.41	-13	PASS
n78(3450-3550)	30	80	632668	1@0	DFT_64QAM	3450.00	-27.47	-13	PASS
n78(3450-3550)	30	80	632668	216@0	DFT_64QAM	3448.99	-43.25	-13	PASS
n78(3450-3550)	30	80	632668	1@0	DFT_256QAM	3449.99	-27.21	-13	PASS
n78(3450-3550)	30	80	632668	216@0	DFT_256QAM	3448.94	-43.45	-13	PASS
n78(3450-3550)	30	80	632668	217@0	CP_QPSK	3448.45	-43.83	-13	PASS
n78(3450-3550)	30	80	634000	1@216	DFT_BPSK	3550.01	-28.00	-13	PASS
n78(3450-3550)	30	80	634000	216@0	DFT_QPSK	3621.98	-45.77	-13	PASS
n78(3450-3550)	30	80	634000	1@216	DFT_QPSK	3550.06	-27.67	-13	PASS
n78(3450-3550)	30	80	634000	216@0	DFT_QPSK	3551.94	-42.86	-13	PASS
n78(3450-3550)	30	80	634000	1@216	DFT_16QAM	3550.01	-27.15	-13	PASS
n78(3450-3550)	30	80	634000	216@0	DFT_16QAM	3551.41	-43.88	-13	PASS

n78(3450-3550)	30	80	634000	1@216	DFT_64QAM	3550.00	-26.97	-13	PASS
n78(3450-3550)	30	80	634000	216@0	DFT_64QAM	3566.02	-44.20	-13	PASS
n78(3450-3550)	30	80	634000	1@216	DFT_256QAM	3550.02	-30.26	-13	PASS
n78(3450-3550)	30	80	634000	216@0	DFT_256QAM	3552.31	-45.33	-13	PASS
n78(3450-3550)	30	80	634000	217@0	CP_QPSK	3574.73	-44.59	-13	PASS
n78(3450-3550)	30	90	633000	1@0	DFT_BPSK	3449.97	-26.47	-13	PASS
n78(3450-3550)	30	90	633000	243@0	DFT_BPSK	3442.45	-43.55	-13	PASS
n78(3450-3550)	30	90	633000	1@0	DFT_QPSK	3449.98	-25.69	-13	PASS
n78(3450-3550)	30	90	633000	243@0	DFT_QPSK	3448.76	-43.36	-13	PASS
n78(3450-3550)	30	90	633000	1@0	DFT_16QAM	3449.98	-27.89	-13	PASS
n78(3450-3550)	30	90	633000	243@0	DFT_16QAM	3413.30	-44.17	-13	PASS
n78(3450-3550)	30	90	633000	1@0	DFT_64QAM	3449.92	-26.82	-13	PASS
n78(3450-3550)	30	90	633000	243@0	DFT_64QAM	3444.58	-44.38	-13	PASS
n78(3450-3550)	30	90	633000	1@0	DFT_256QAM	3450.00	-31.61	-13	PASS
n78(3450-3550)	30	90	633000	243@0	DFT_256QAM	3439.98	-44.71	-13	PASS
n78(3450-3550)	30	90	633000	245@0	CP_QPSK	3449.97	-43.97	-13	PASS
n78(3450-3550)	30	90	633666	1@244	DFT_BPSK	3550.01	-27.02	-13	PASS
n78(3450-3550)	30	90	633666	243@0	DFT_BPSK	3551.95	-44.98	-13	PASS
n78(3450-3550)	30	90	633666	1@244	DFT_QPSK	3550.06	-27.98	-13	PASS
n78(3450-3550)	30	90	633666	243@0	DFT_QPSK	3622.07	-45.73	-13	PASS
n78(3450-3550)	30	90	633666	1@244	DFT_16QAM	3550.06	-28.50	-13	PASS
n78(3450-3550)	30	90	633666	243@0	DFT_16QAM	3551.62	-45.17	-13	PASS
n78(3450-3550)	30	90	633666	1@244	DFT_64QAM	3550.05	-28.87	-13	PASS
n78(3450-3550)	30	90	633666	243@0	DFT_64QAM	3551.68	-45.14	-13	PASS
n78(3450-3550)	30	90	633666	1@244	DFT_256QAM	3550.02	-32.07	-13	PASS
n78(3450-3550)	30	90	633666	243@0	DFT_256QAM	3622.92	-46.00	-13	PASS
n78(3450-3550)	30	90	633666	245@0	CP_QPSK	3554.76	-45.29	-13	PASS
n78(3450-3550)	30	100	633334	1@0	DFT_BPSK	3449.90	-25.53	-13	PASS
n78(3450-3550)	30	100	633334	270@0	DFT_BPSK	3444.43	-43.88	-13	PASS
n78(3450-3550)	30	100	633334	1@0	DFT_QPSK	3449.99	-25.24	-13	PASS
n78(3450-3550)	30	100	633334	270@0	DFT_QPSK	3448.88	-42.68	-13	PASS
n78(3450-3550)	30	100	633334	1@0	DFT_16QAM	3449.97	-25.88	-13	PASS
n78(3450-3550)	30	100	633334	270@0	DFT_16QAM	3372.04	-44.87	-13	PASS
n78(3450-3550)	30	100	633334	1@0	DFT_64QAM	3449.92	-27.95	-13	PASS
n78(3450-3550)	30	100	633334	270@0	DFT_64QAM	3444.81	-43.98	-13	PASS
n78(3450-3550)	30	100	633334	1@0	DFT_256QAM	3449.94	-29.17	-13	PASS
n78(3450-3550)	30	90	633666	243@0	DFT_256QAM	3589.25	-46.05	-13	PASS
n78(3450-3550)	30	100	633334	273@0	CP_QPSK	3441.96	-44.38	-13	PASS
n78(3450-3550)	30	100	633334	1@272	DFT_BPSK	3550.01	-24.74	-13	PASS
n78(3450-3550)	30	100	633334	270@0	DFT_BPSK	3551.02	-44.45	-13	PASS
n78(3450-3550)	30	100	633334	1@272	DFT_QPSK	3550.02	-27.02	-13	PASS
n78(3450-3550)	30	100	633334	270@0	DFT_QPSK	3562.41	-44.30	-13	PASS
n78(3450-3550)	30	100	633334	1@272	DFT_16QAM	3548.90	2.42	30	PASS
n78(3450-3550)	30	100	633334	270@0	DFT_16QAM	3631.86	-45.88	-13	PASS

n78(3450-3550)	30	100	633334	1@272	DFT_64QAM	3550.00	-28.46	-13	PASS
n78(3450-3550)	30	100	633334	270@0	DFT_64QAM	3573.24	-45.06	-13	PASS
n78(3450-3550)	30	100	633334	1@272	DFT_256QAM	3550.10	-28.08	-13	PASS
n78(3450-3550)	30	100	633334	270@0	DFT_256QAM	3596.90	-45.86	-13	PASS
n78(3450-3550)	30	100	633334	273@0	CP_QPSK	3633.57	-45.90	-13	PASS