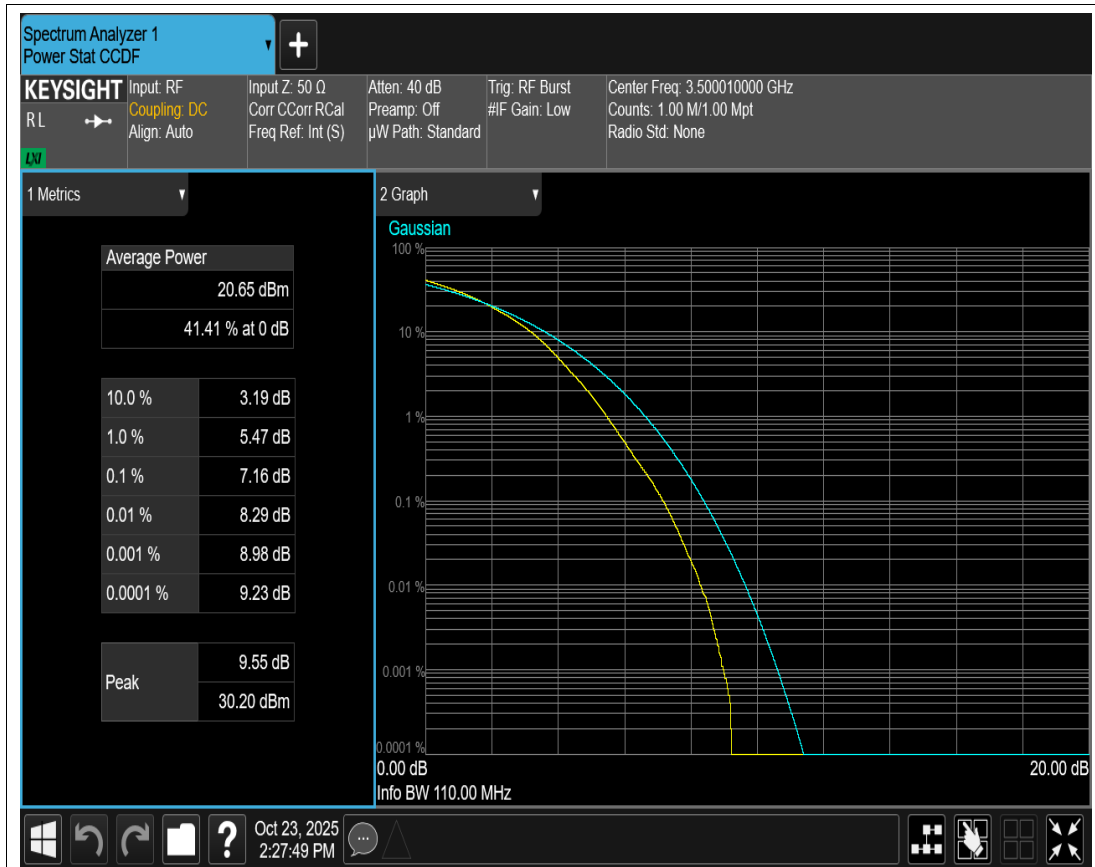




n78(3450-3550) SCS=30kHz DFT_256QAM BW=60MHz Channel=633334 RB=162@0



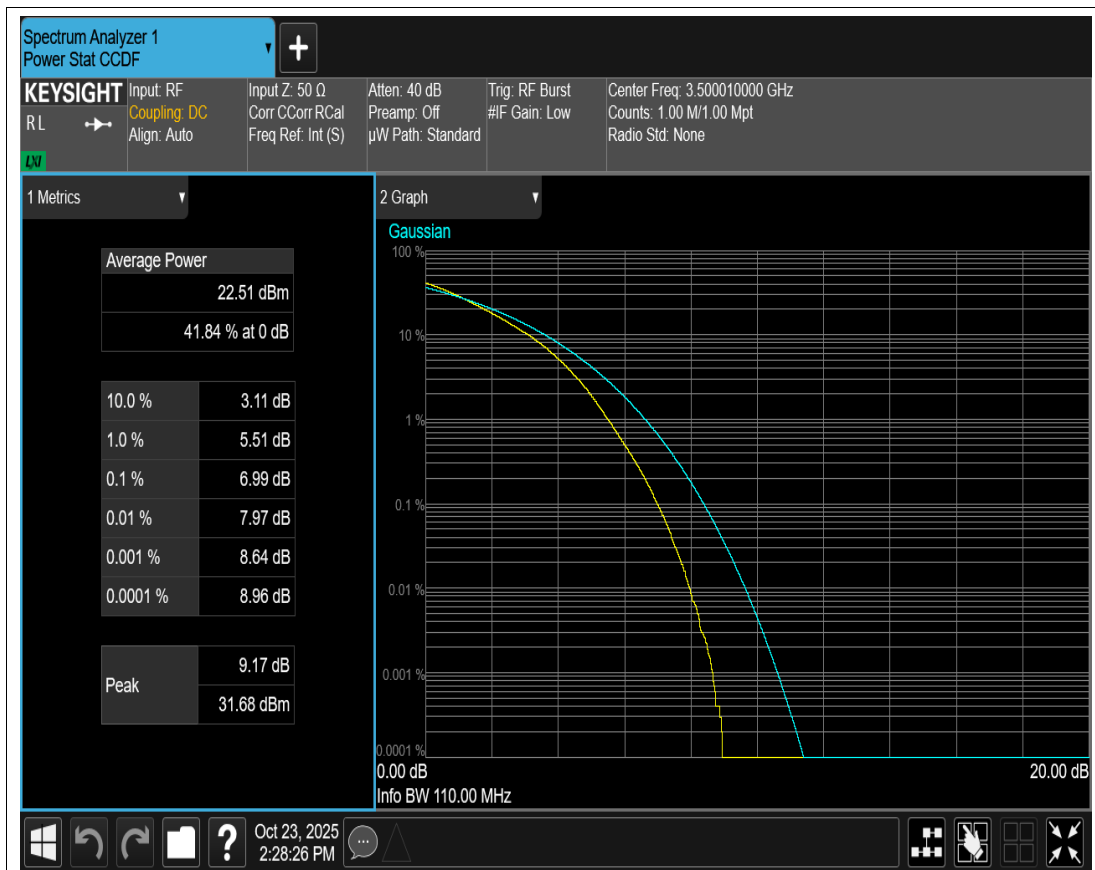
n78(3450-3550) SCS=30kHz DFT_256QAM BW=70MHz Channel=633334 RB=180@0



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



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



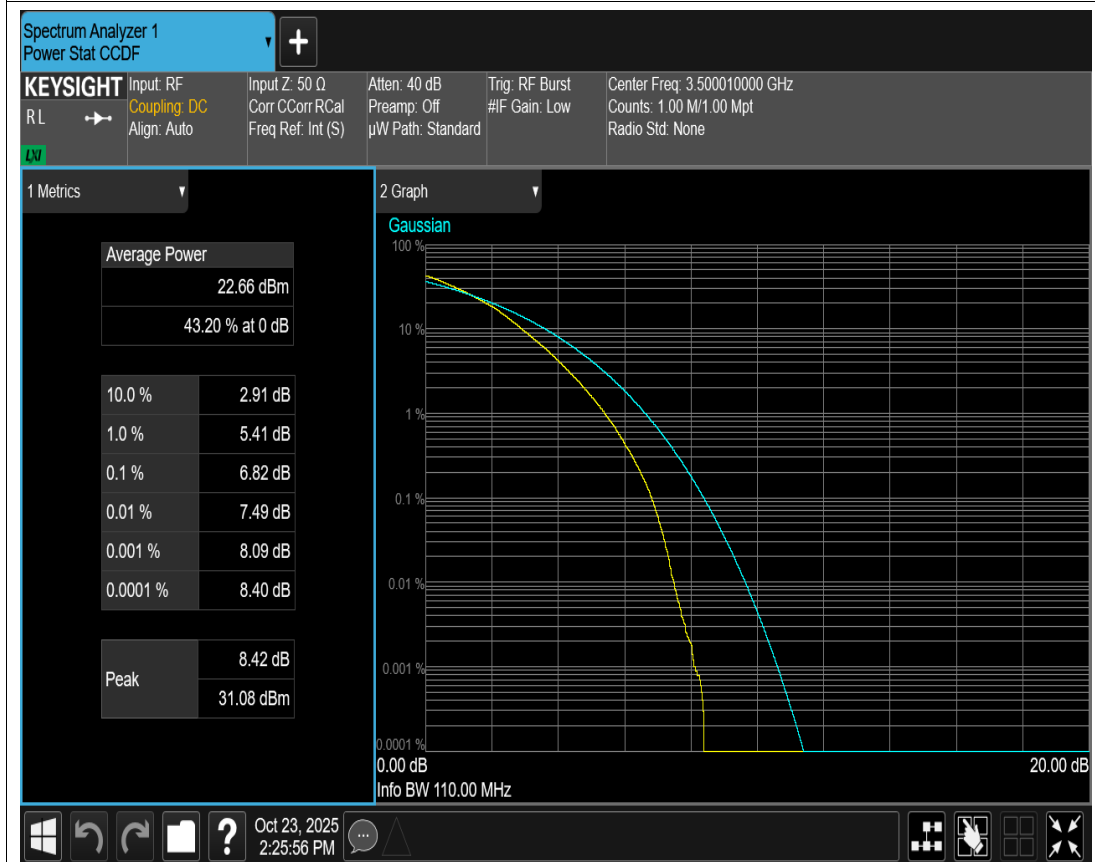
n78(3450-3550) SCS=30kHz DFT_64QAM BW=100MHz Channel=633334 RB=270@0



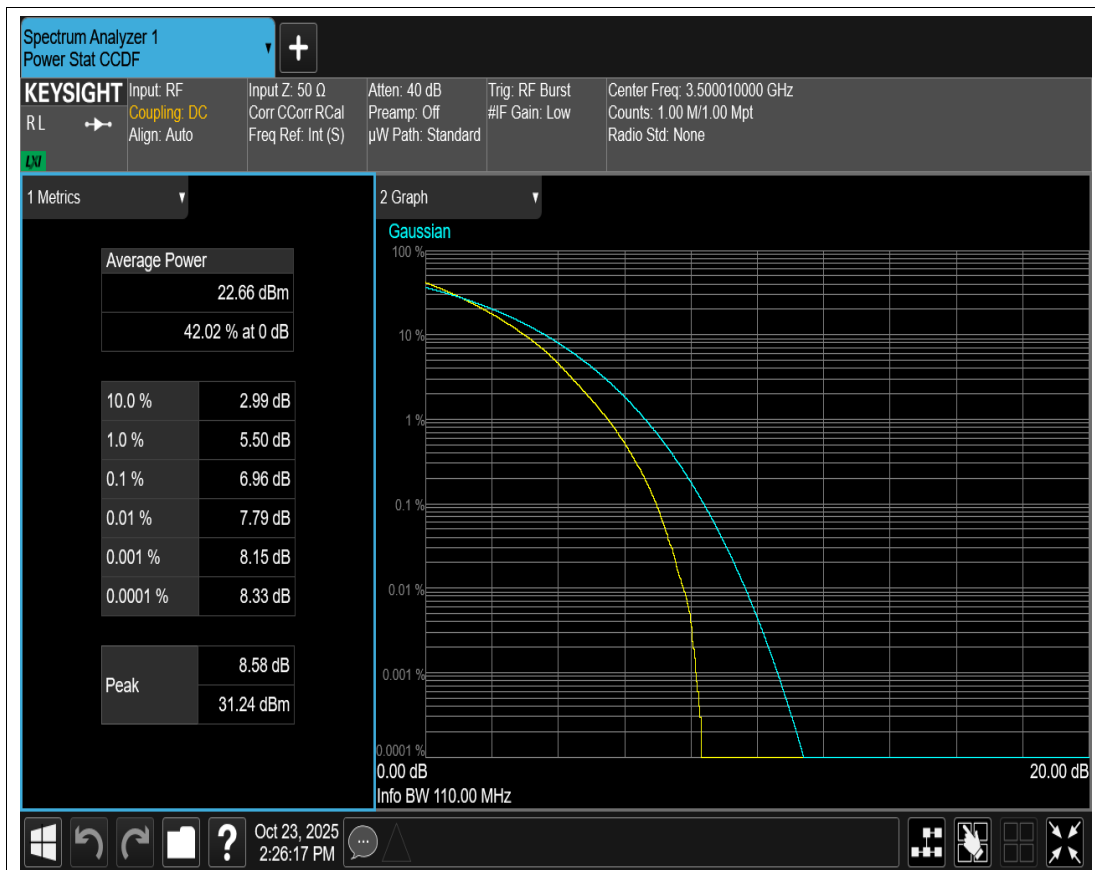
n78(3450-3550) SCS=30kHz DFT_64QAM BW=10MHz Channel=633334 RB=24@0



n78(3450-3550) SCS=30kHz DFT_64QAM BW=15MHz Channel=633334 RB=36@0



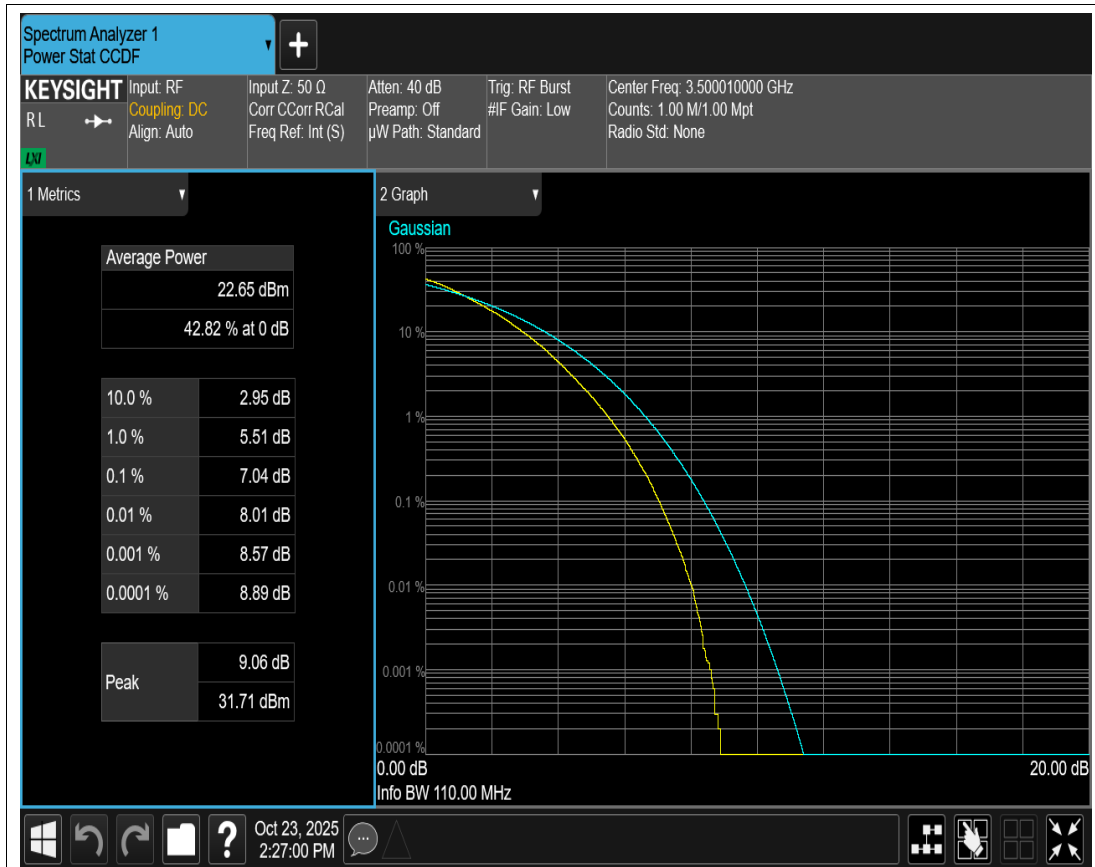
n78(3450-3550) SCS=30kHz DFT_64QAM BW=20MHz Channel=633334 RB=50@0



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



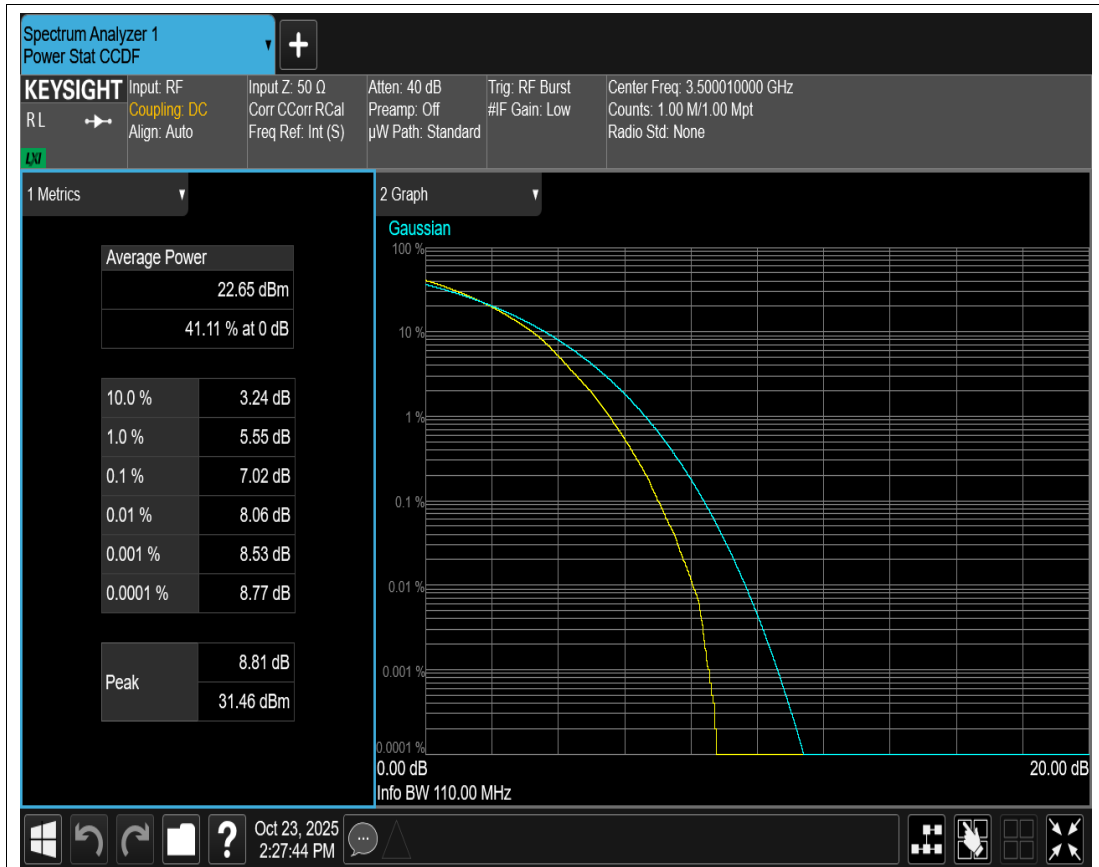
n78(3450-3550) SCS=30kHz DFT_64QAM BW=50MHz Channel=633334 RB=128@0



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



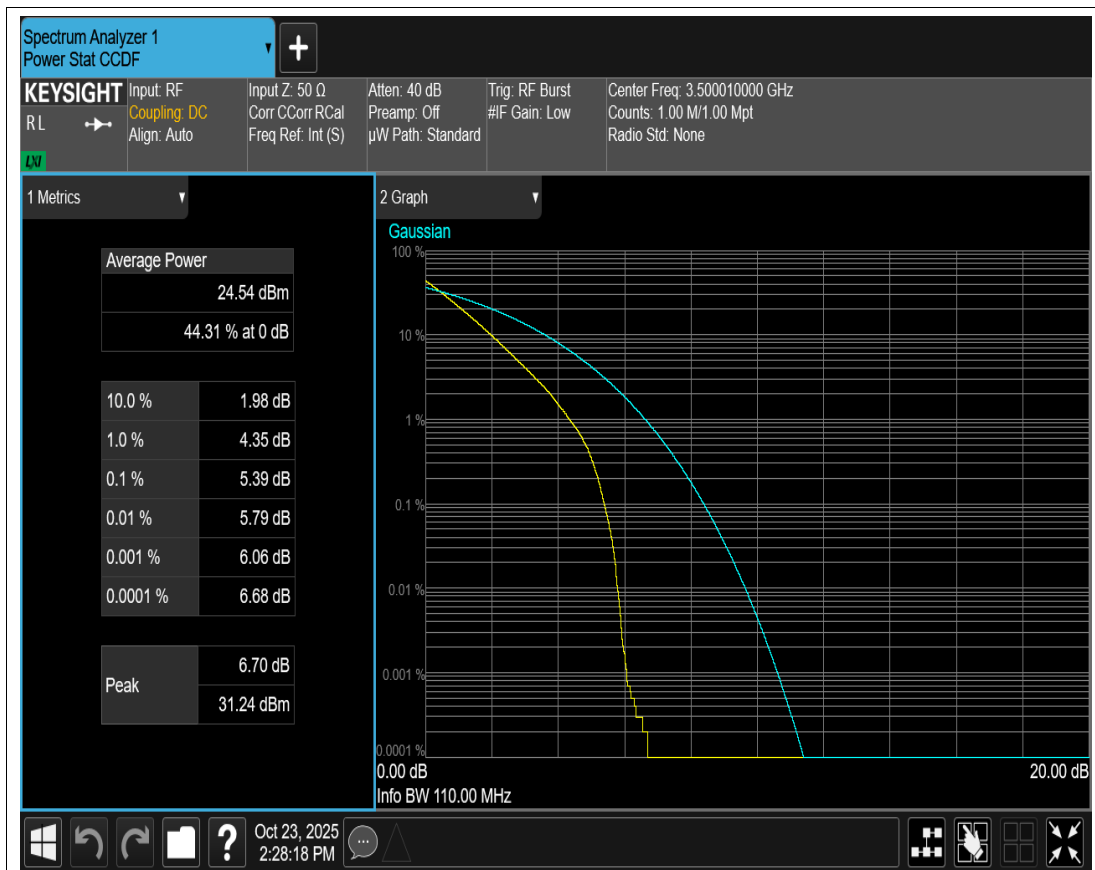
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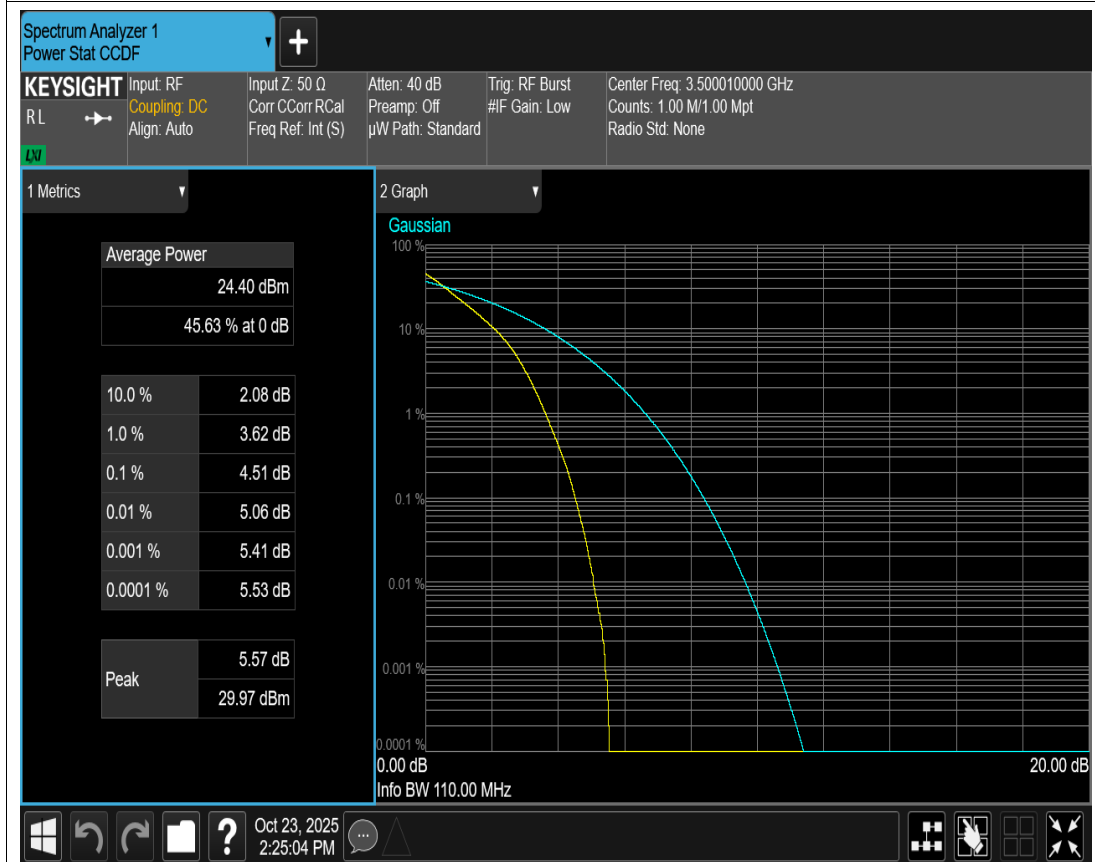
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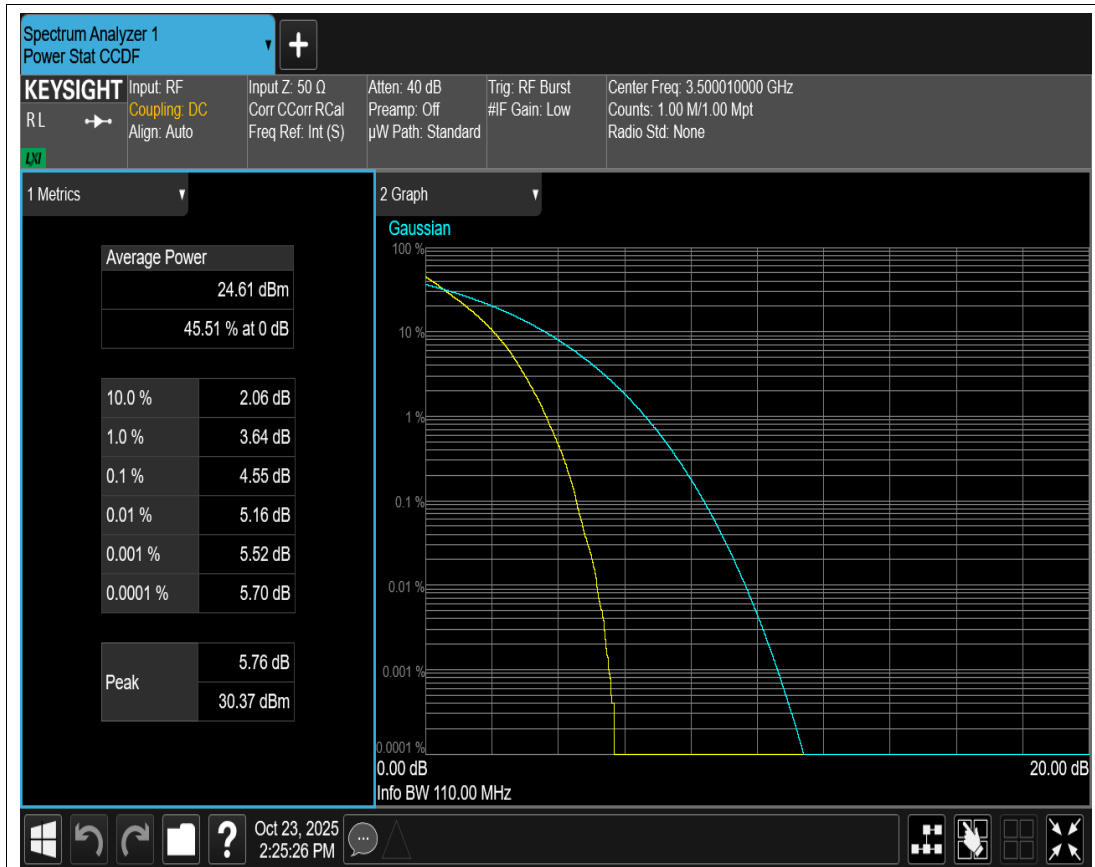
n78(3450-3550) SCS=30kHz DFT_64QAM BW=90MHz Channel=633334 RB=243@0



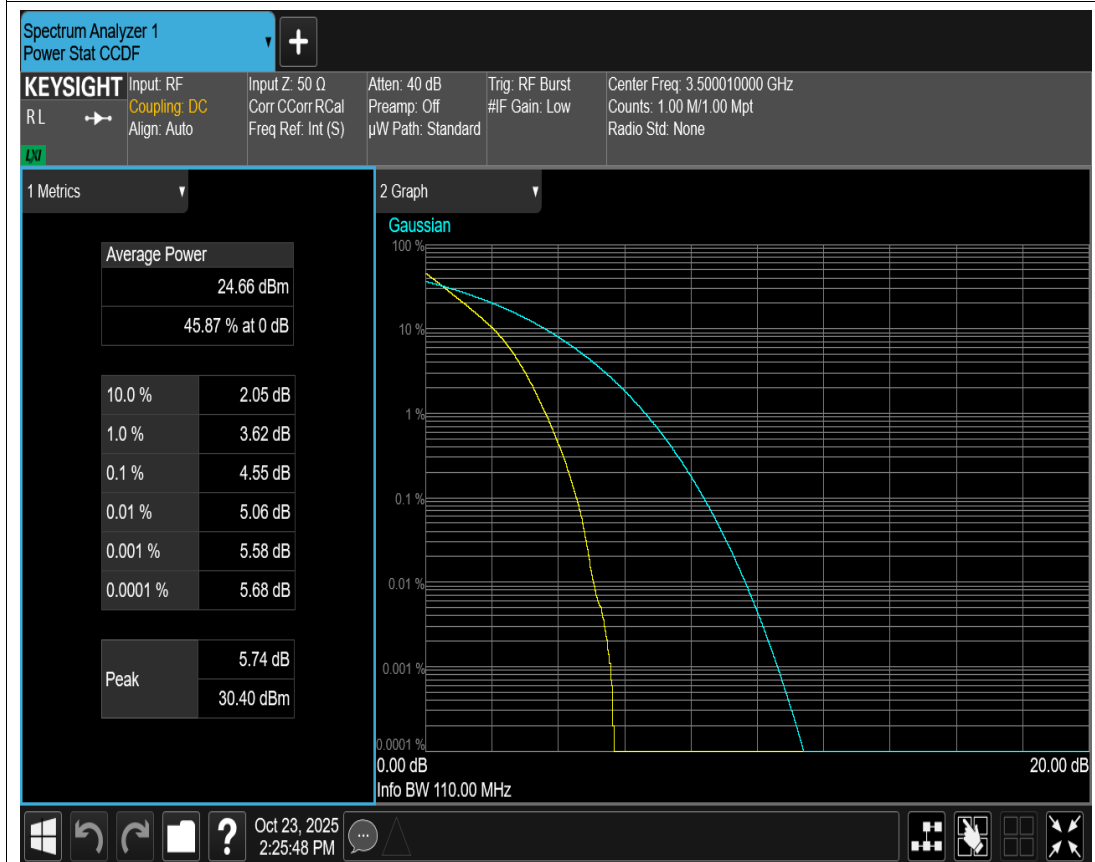
n78(3450-3550) SCS=30kHz DFT_BPSK BW=100MHz Channel=633334 RB=270@0



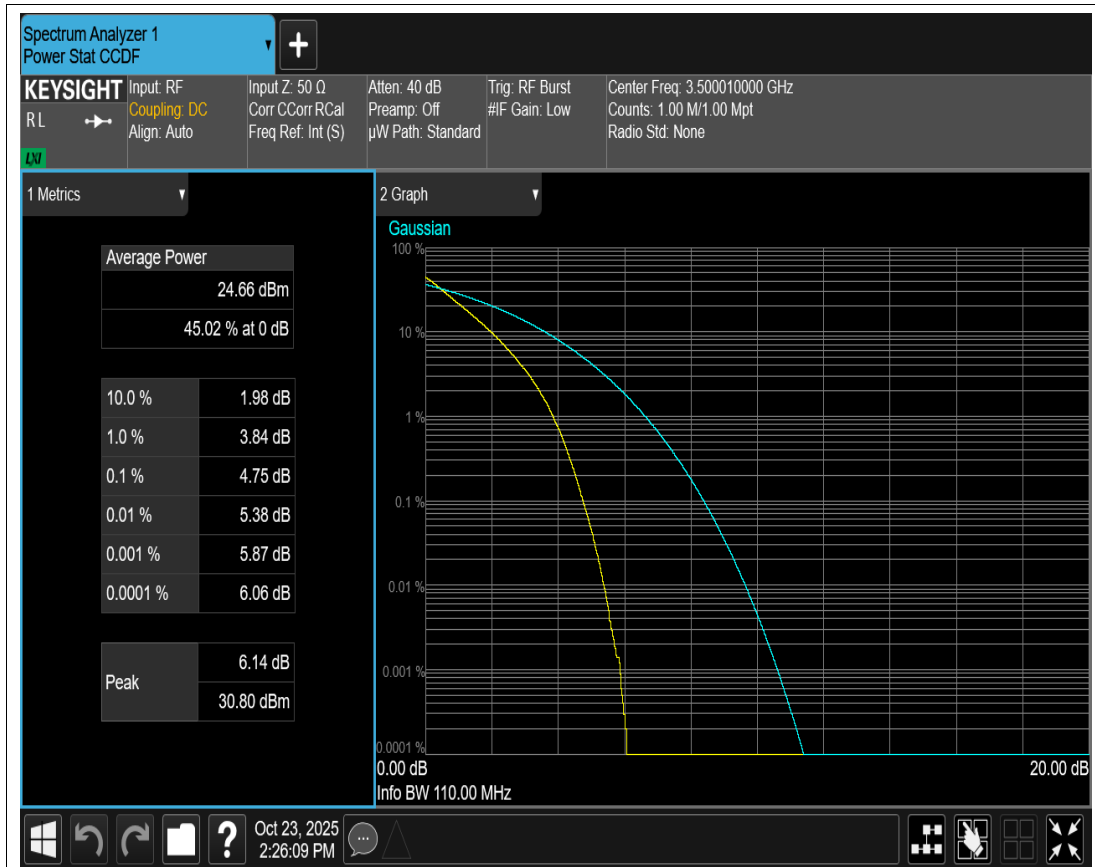
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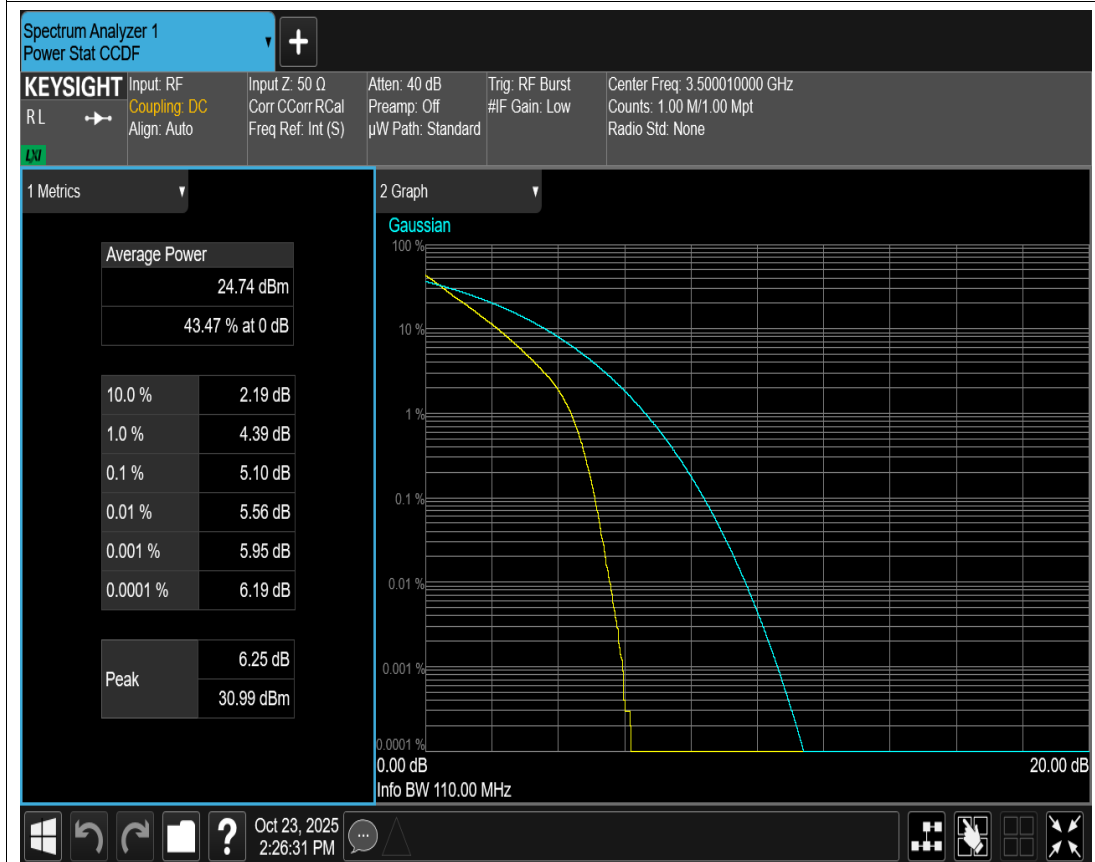
n78(3450-3550) SCS=30kHz DFT_BPSK BW=15MHz Channel=633334 RB=36@0



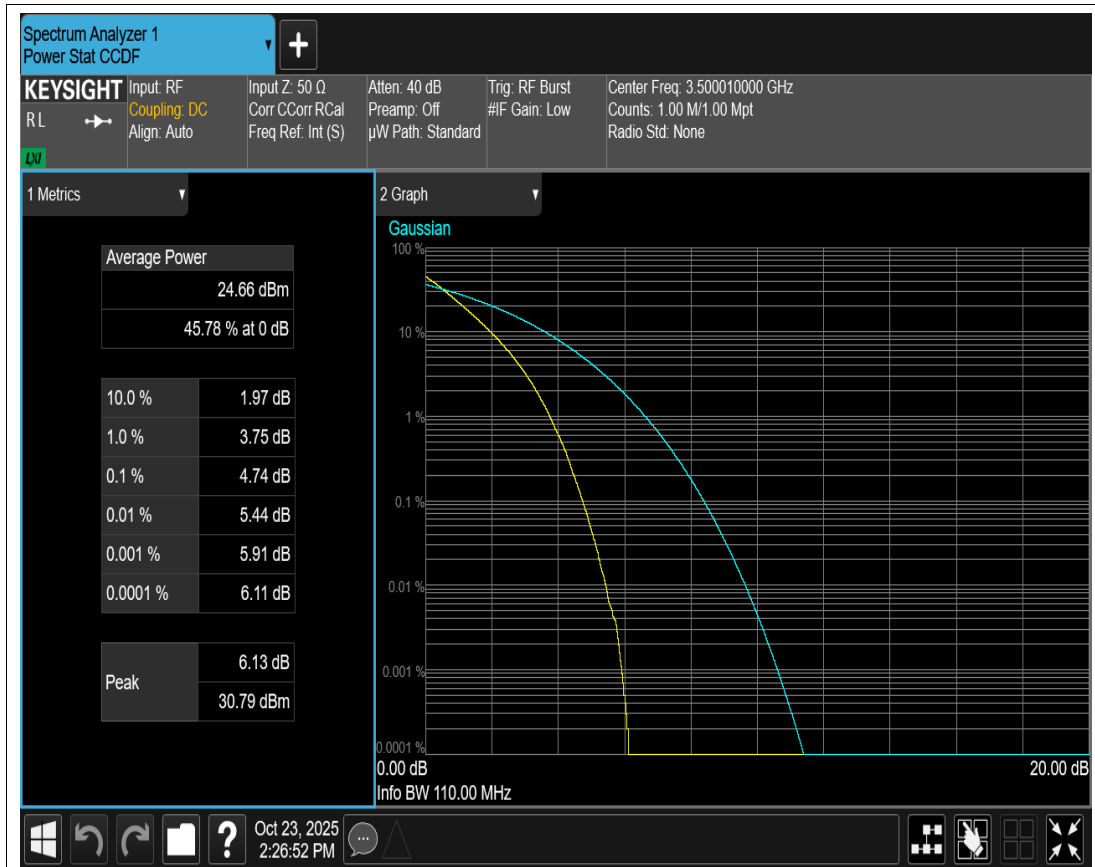
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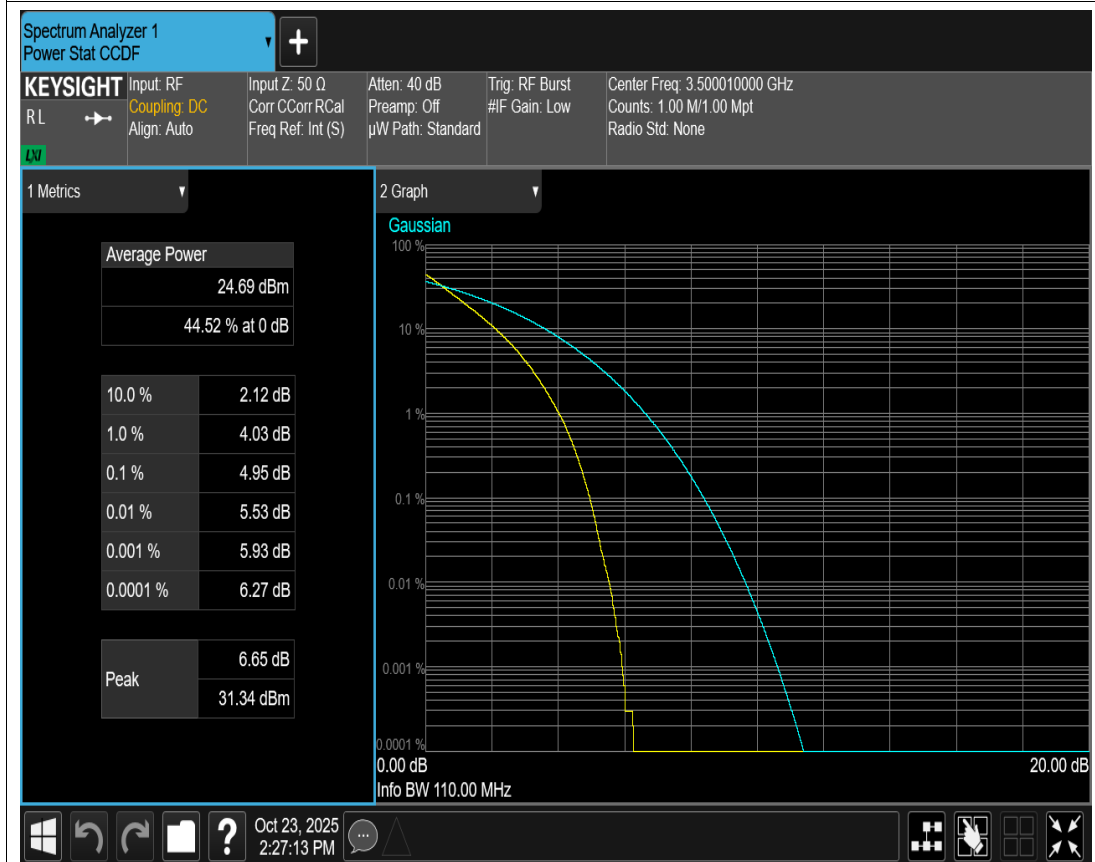
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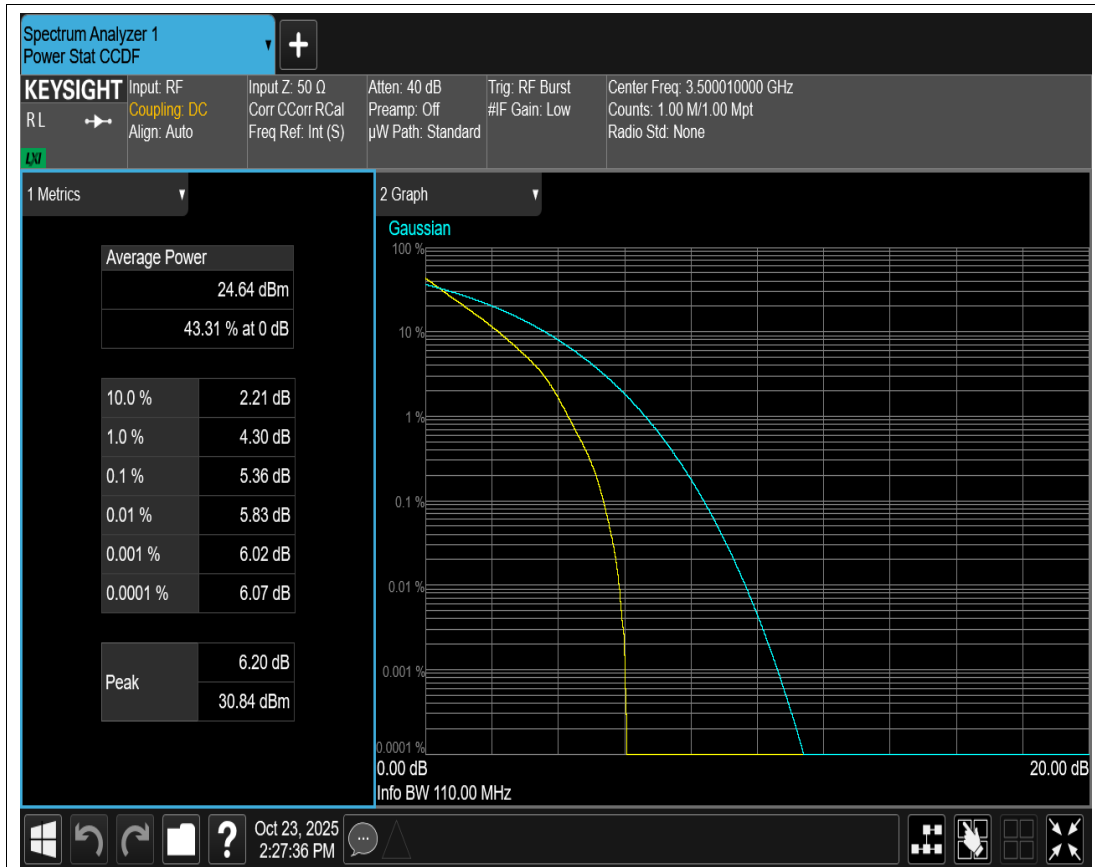
n78(3450-3550) SCS=30kHz DFT_BPSK BW=50MHz Channel=633334 RB=128@0



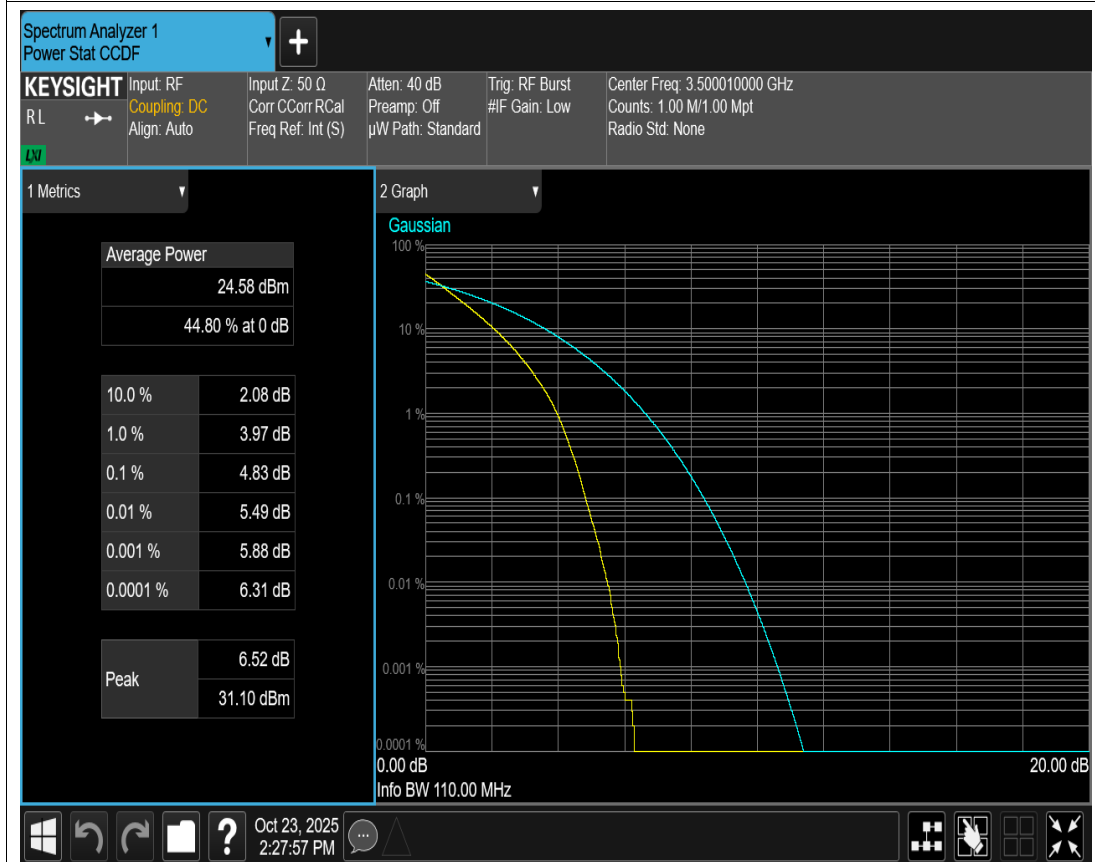
n78(3450-3550) SCS=30kHz DFT_BPSK BW=60MHz Channel=633334 RB=162@0



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



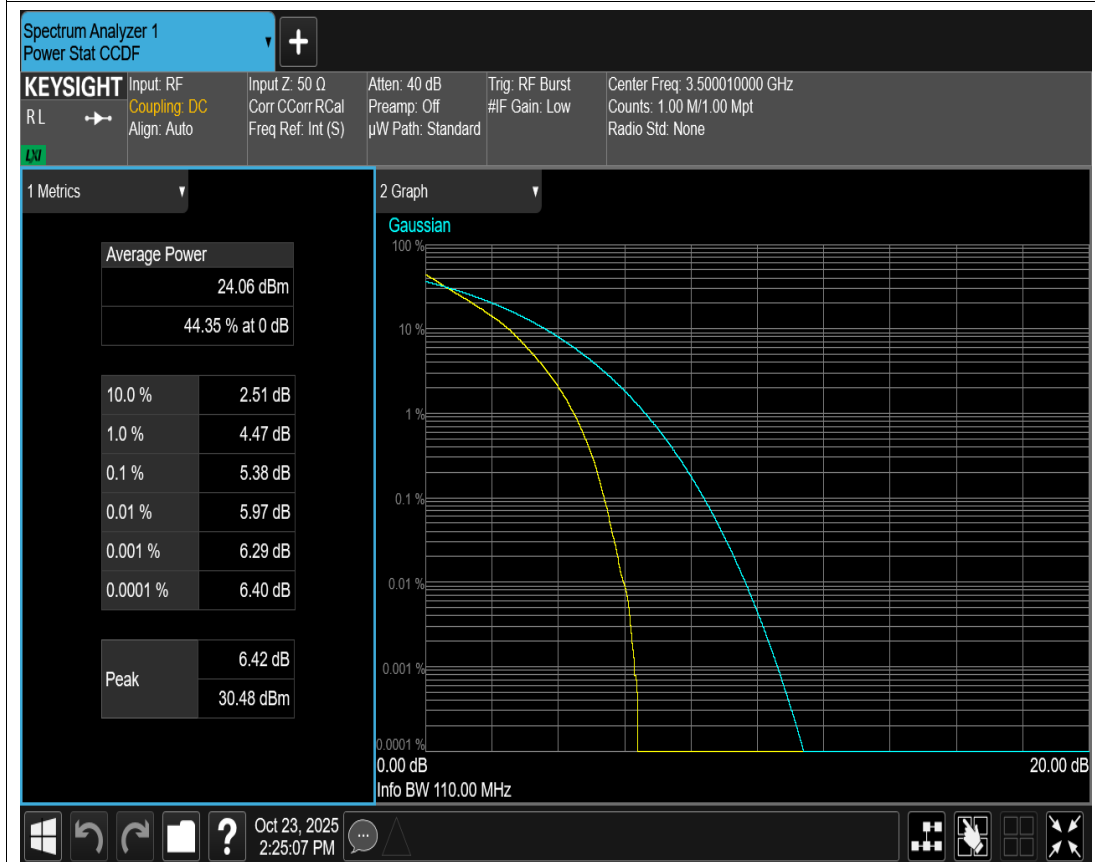
n78(3450-3550) SCS=30kHz DFT_BPSK BW=80MHz Channel=633334 RB=216@0



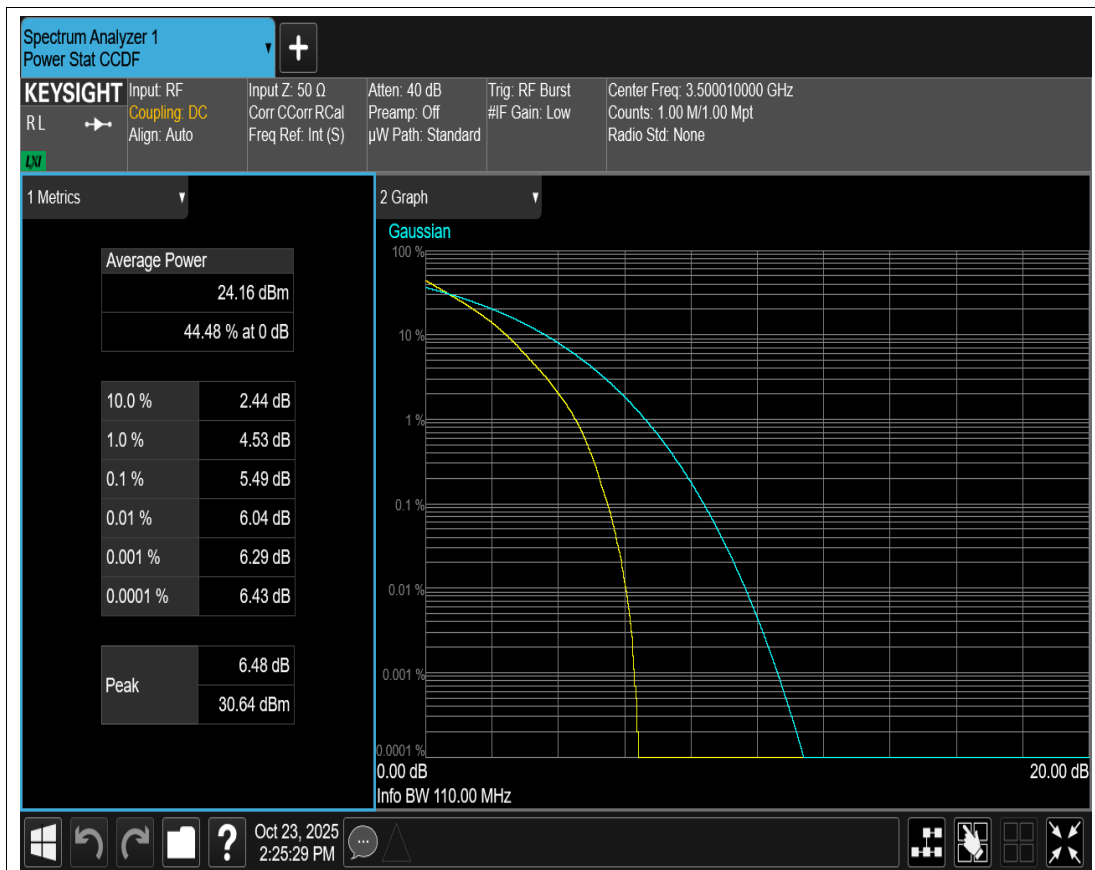
n78(3450-3550) SCS=30kHz DFT_BPSK BW=90MHz Channel=633334 RB=243@0



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



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



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



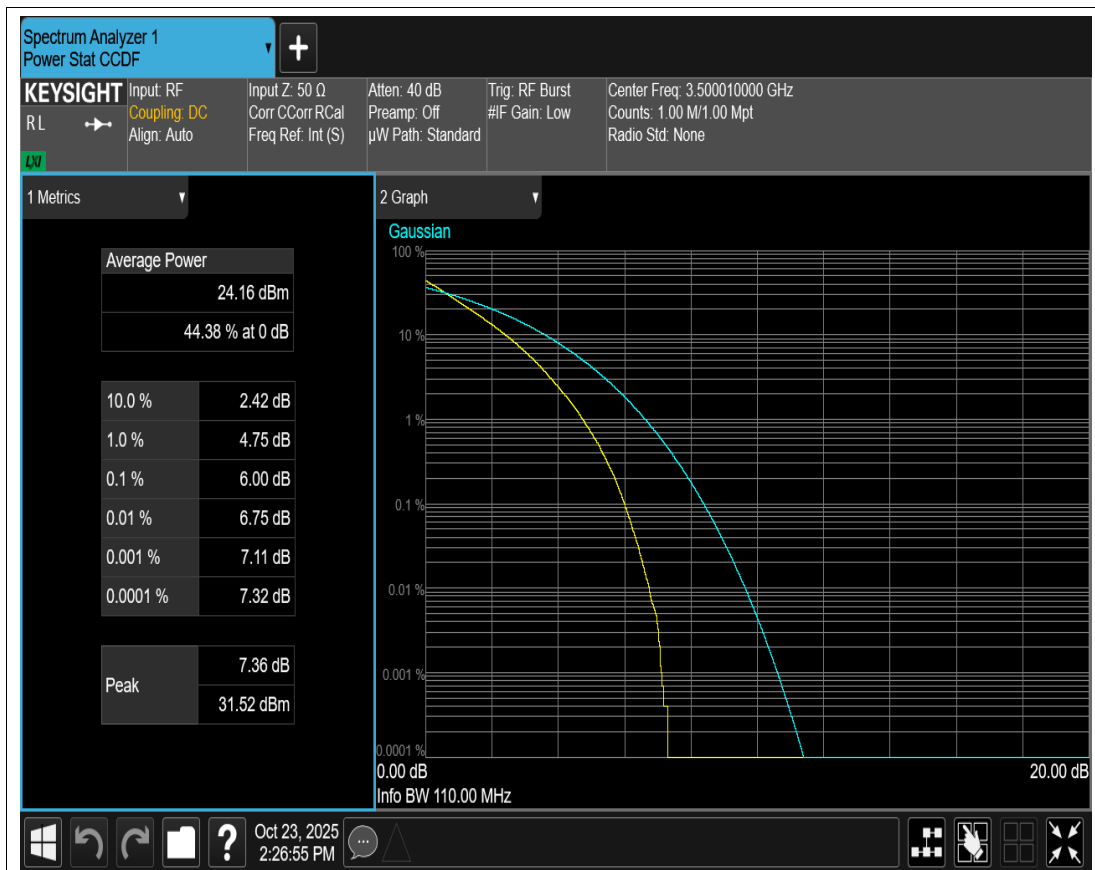
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n78(3450-3550) SCS=30kHz DFT_QPSK BW=40MHz Channel=633334 RB=100@0



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



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



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



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

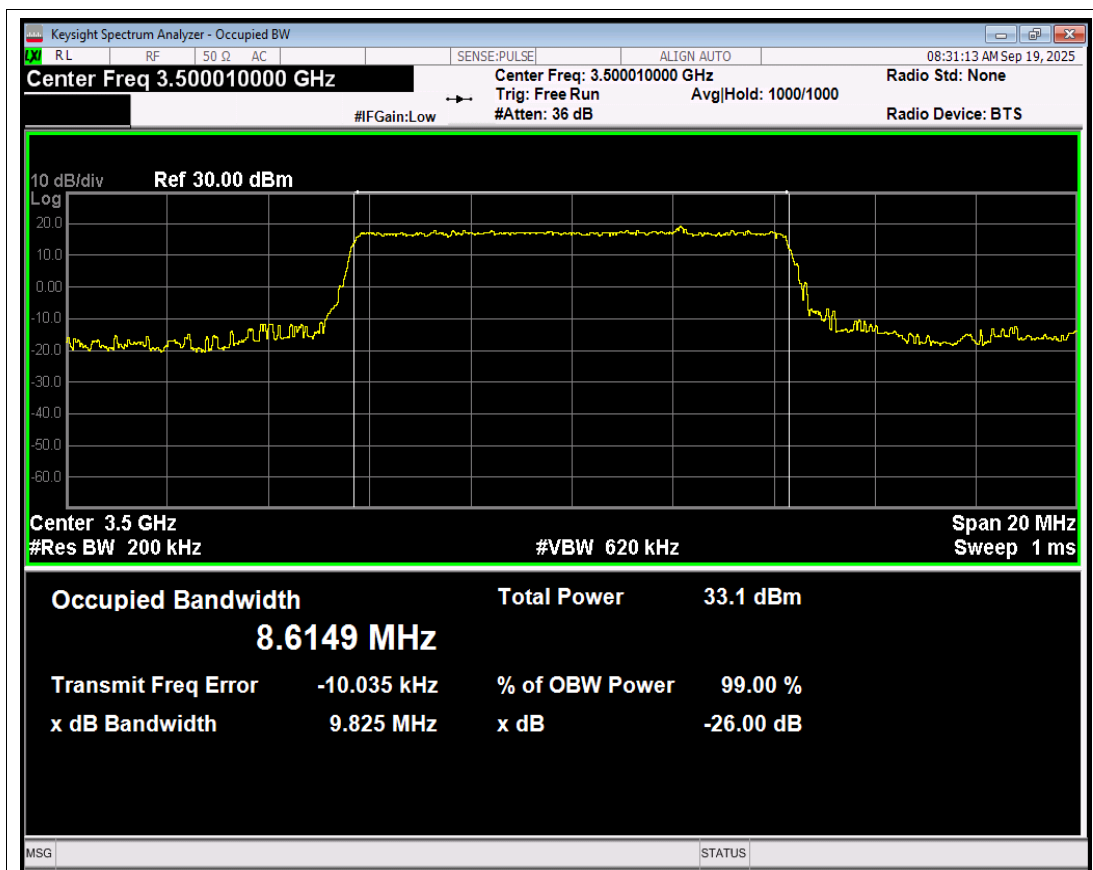


n78(3450-3550) SCS=30kHz DFT_QPSK BW=90MHz Channel=633334 RB=243@0

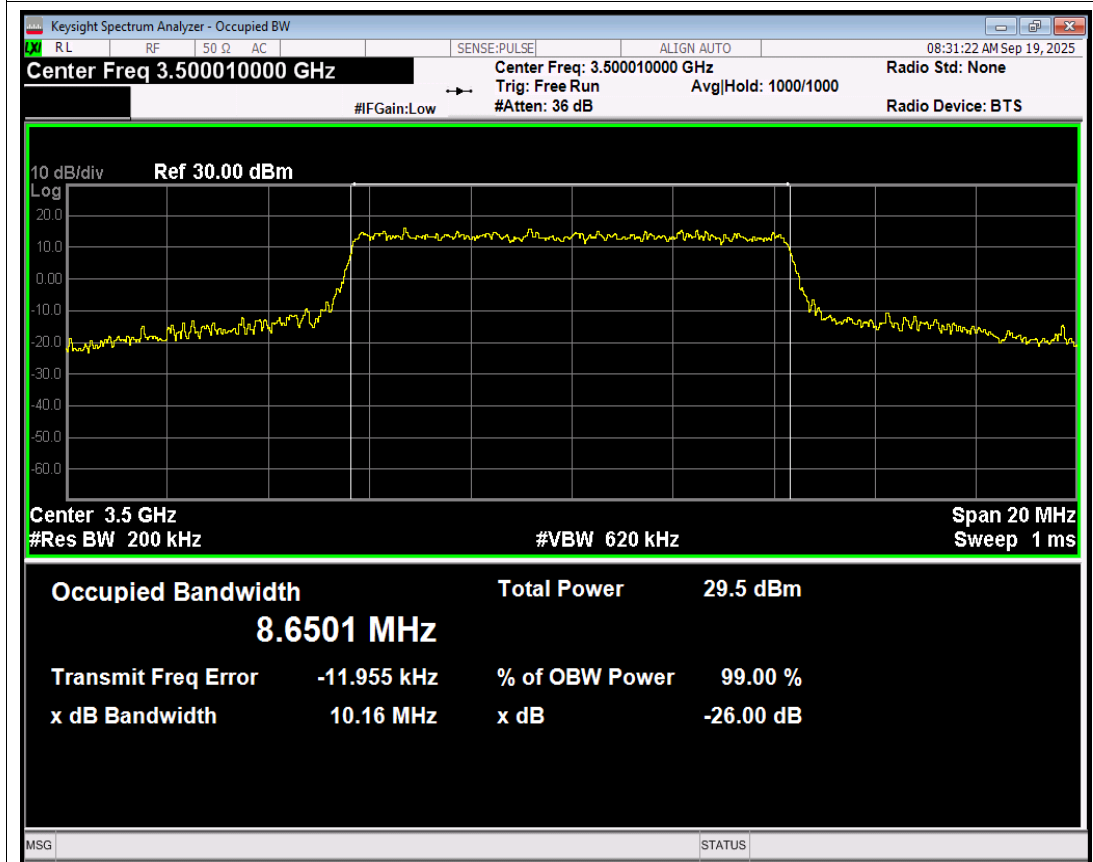
4. Occupied Bandwidth for NR FR1

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	8.615	9.825	PASS
n78(3450-3550)	30	10	633334	3500.01	24@0	CP_QPSK	8.650	10.164	PASS
n78(3450-3550)	30	10	633334	3500.01	24@0	CP_16QAM	8.658	9.774	PASS
n78(3450-3550)	30	10	633334	3500.01	24@0	CP_64QAM	8.654	9.619	PASS
n78(3450-3550)	30	10	633334	3500.01	24@0	CP_256QAM	8.651	9.642	PASS
n78(3450-3550)	30	15	633334	3500.01	36@0	DFT_BPSK	12.963	14.077	PASS
n78(3450-3550)	30	15	633334	3500.01	38@0	CP_QPSK	13.663	16.345	PASS
n78(3450-3550)	30	15	633334	3500.01	38@0	CP_16QAM	13.719	14.940	PASS
n78(3450-3550)	30	15	633334	3500.01	38@0	CP_64QAM	13.667	14.873	PASS
n78(3450-3550)	30	15	633334	3500.01	38@0	CP_256QAM	13.649	14.838	PASS
n78(3450-3550)	30	20	633334	3500.01	50@0	DFT_BPSK	18.038	19.236	PASS
n78(3450-3550)	30	20	633334	3500.01	51@0	CP_QPSK	18.334	20.069	PASS
n78(3450-3550)	30	20	633334	3500.01	51@0	CP_16QAM	18.294	20.531	PASS
n78(3450-3550)	30	20	633334	3500.01	51@0	CP_64QAM	18.344	19.722	PASS
n78(3450-3550)	30	20	633334	3500.01	51@0	CP_256QAM	18.284	19.704	PASS
n78(3450-3550)	30	40	633334	3500.01	100@0	DFT_BPSK	35.949	38.112	PASS
n78(3450-3550)	30	40	633334	3500.01	106@0	CP_QPSK	38.069	40.870	PASS
n78(3450-3550)	30	40	633334	3500.01	106@0	CP_16QAM	37.988	43.368	PASS
n78(3450-3550)	30	40	633334	3500.01	106@0	CP_64QAM	38.013	41.454	PASS
n78(3450-3550)	30	40	633334	3500.01	106@0	CP_256QAM	38.029	40.901	PASS
n78(3450-3550)	30	50	633334	3500.01	128@0	DFT_BPSK	46.121	48.986	PASS
n78(3450-3550)	30	50	633334	3500.01	133@0	CP_QPSK	47.740	50.739	PASS
n78(3450-3550)	30	50	633334	3500.01	133@0	CP_16QAM	47.692	51.560	PASS
n78(3450-3550)	30	50	633334	3500.01	133@0	CP_64QAM	47.720	55.330	PASS
n78(3450-3550)	30	50	633334	3500.01	133@0	CP_256QAM	47.594	50.168	PASS
n78(3450-3550)	30	60	633334	3500.01	162@0	DFT_BPSK	57.950	61.150	PASS
n78(3450-3550)	30	60	633334	3500.01	162@0	CP_QPSK	58.046	63.229	PASS
n78(3450-3550)	30	60	633334	3500.01	162@0	CP_16QAM	58.087	60.965	PASS
n78(3450-3550)	30	60	633334	3500.01	162@0	CP_64QAM	58.102	64.162	PASS
n78(3450-3550)	30	60	633334	3500.01	162@0	CP_256QAM	58.053	60.980	PASS
n78(3450-3550)	30	70	633334	3500.01	180@0	DFT_BPSK	64.632	68.860	PASS
n78(3450-3550)	30	70	633334	3500.01	189@0	CP_QPSK	67.928	71.543	PASS
n78(3450-3550)	30	70	633334	3500.01	189@0	CP_16QAM	67.720	92.769	PASS
n78(3450-3550)	30	70	633334	3500.01	189@0	CP_64QAM	67.829	72.167	PASS
n78(3450-3550)	30	70	633334	3500.01	189@0	CP_256QAM	67.727	71.580	PASS
n78(3450-3550)	30	80	633334	3500.01	216@0	DFT_BPSK	77.226	82.317	PASS
n78(3450-3550)	30	80	633334	3500.01	217@0	CP_QPSK	77.656	81.729	PASS
n78(3450-3550)	30	80	633334	3500.01	217@0	CP_16QAM	77.804	92.670	PASS

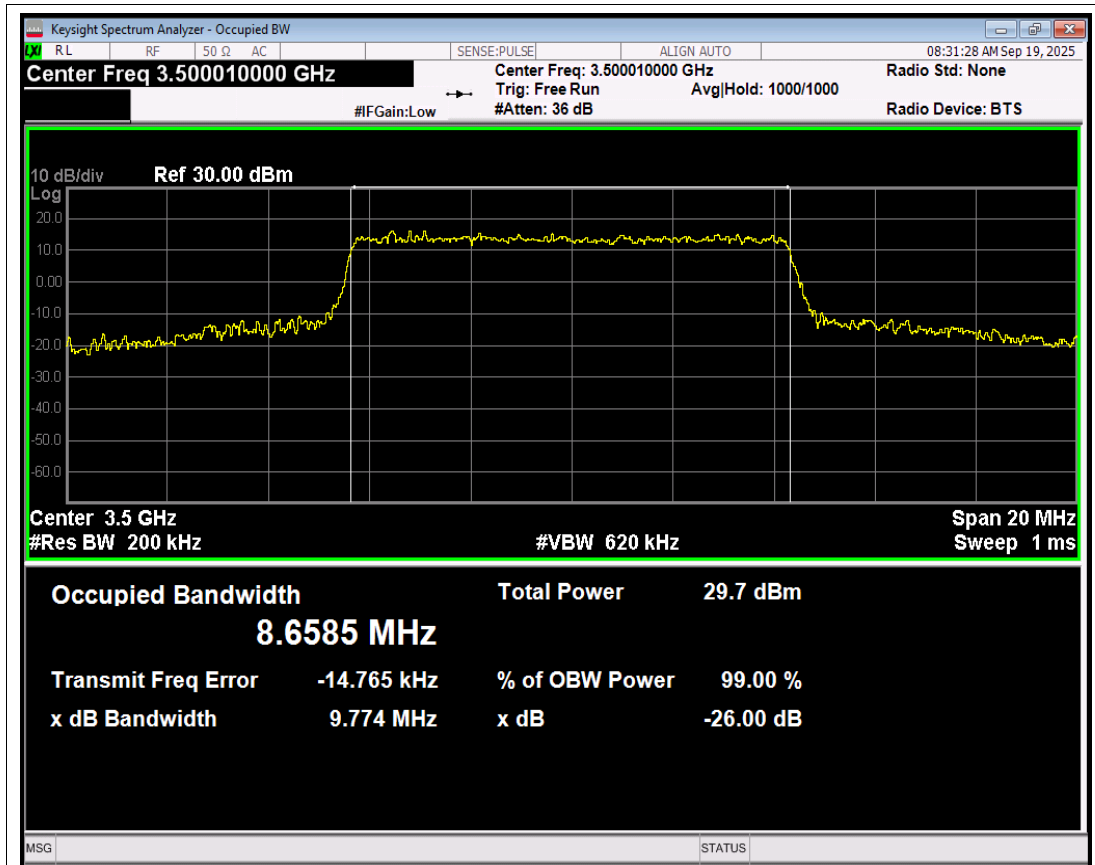
n78(3450-3550)	30	80	633334	3500.01	217@0	CP_64QAM	77.704	81.737	PASS
n78(3450-3550)	30	80	633334	3500.01	217@0	CP_256QAM	77.566	81.540	PASS
n78(3450-3550)	30	90	633334	3500.01	243@0	DFT_BPSK	86.881	91.410	PASS
n78(3450-3550)	30	90	633334	3500.01	245@0	CP_QPSK	87.682	101.020	PASS
n78(3450-3550)	30	90	633334	3500.01	245@0	CP_16QAM	87.690	94.388	PASS
n78(3450-3550)	30	90	633334	3500.01	245@0	CP_64QAM	87.730	92.298	PASS
n78(3450-3550)	30	90	633334	3500.01	245@0	CP_256QAM	87.668	92.255	PASS
n78(3450-3550)	30	100	633334	3500.01	270@0	DFT_BPSK	96.621	101.549	PASS
n78(3450-3550)	30	100	633334	3500.01	273@0	CP_QPSK	97.796	102.783	PASS
n78(3450-3550)	30	100	633334	3500.01	273@0	CP_16QAM	97.644	102.842	PASS
n78(3450-3550)	30	100	633334	3500.01	273@0	CP_64QAM	97.699	106.839	PASS
n78(3450-3550)	30	100	633334	3500.01	273@0	CP_256QAM	97.576	103.032	PASS



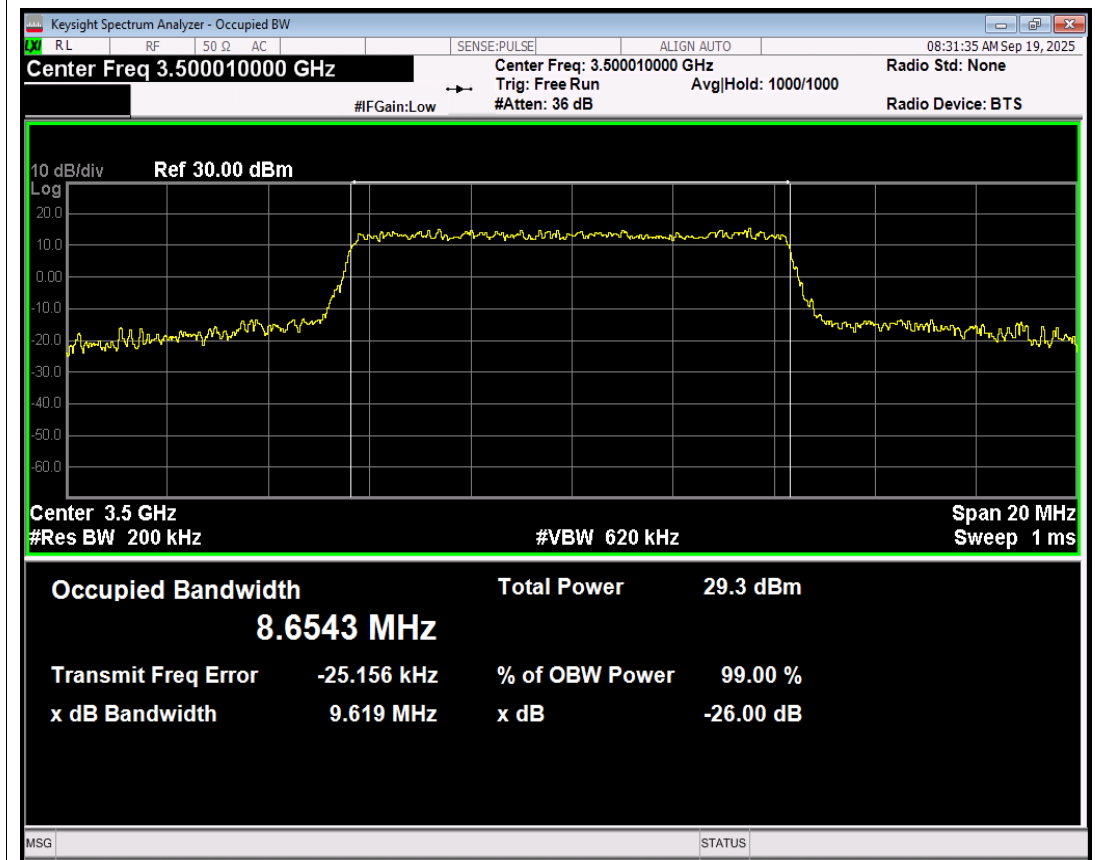
n78(3450-3550) SCS=30kHz DFT_BPSK BW=10MHz Channel=633334 RB=24@0



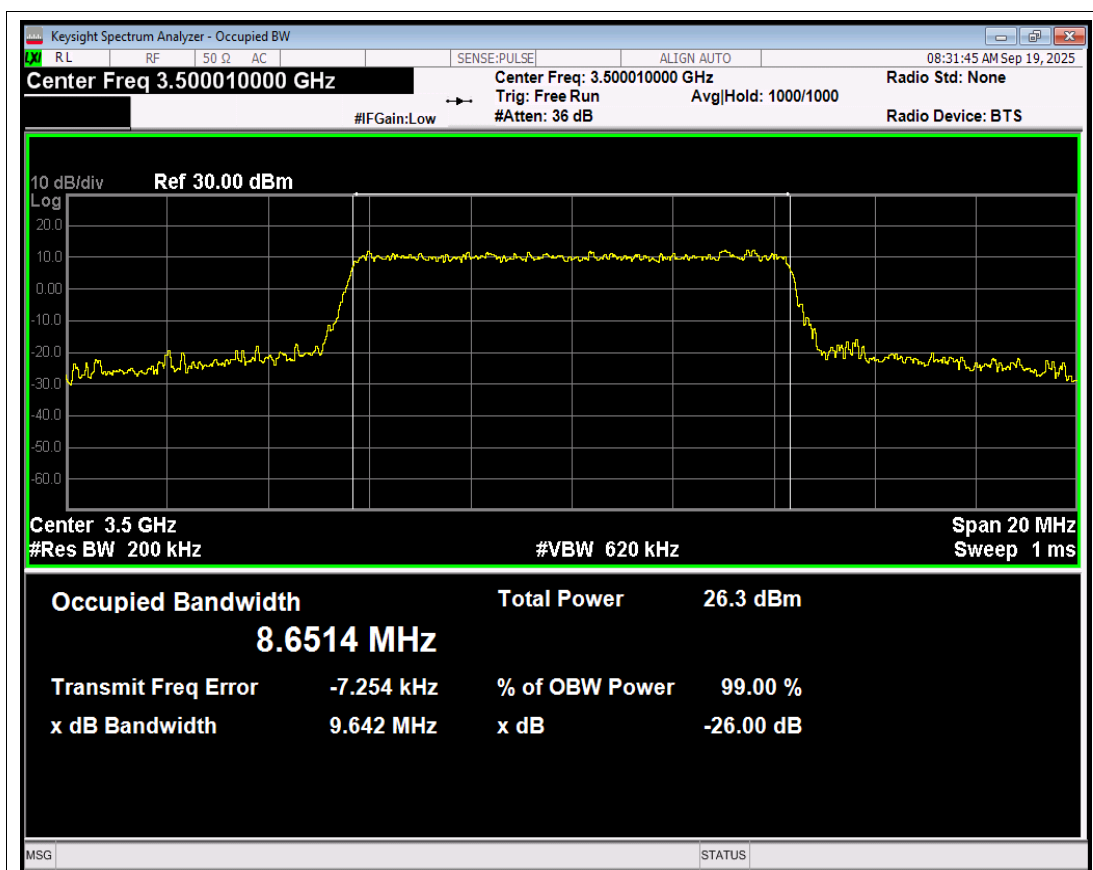
n78(3450-3550) SCS=30kHz CP_QPSK BW=10MHz Channel=633334 RB=24@0



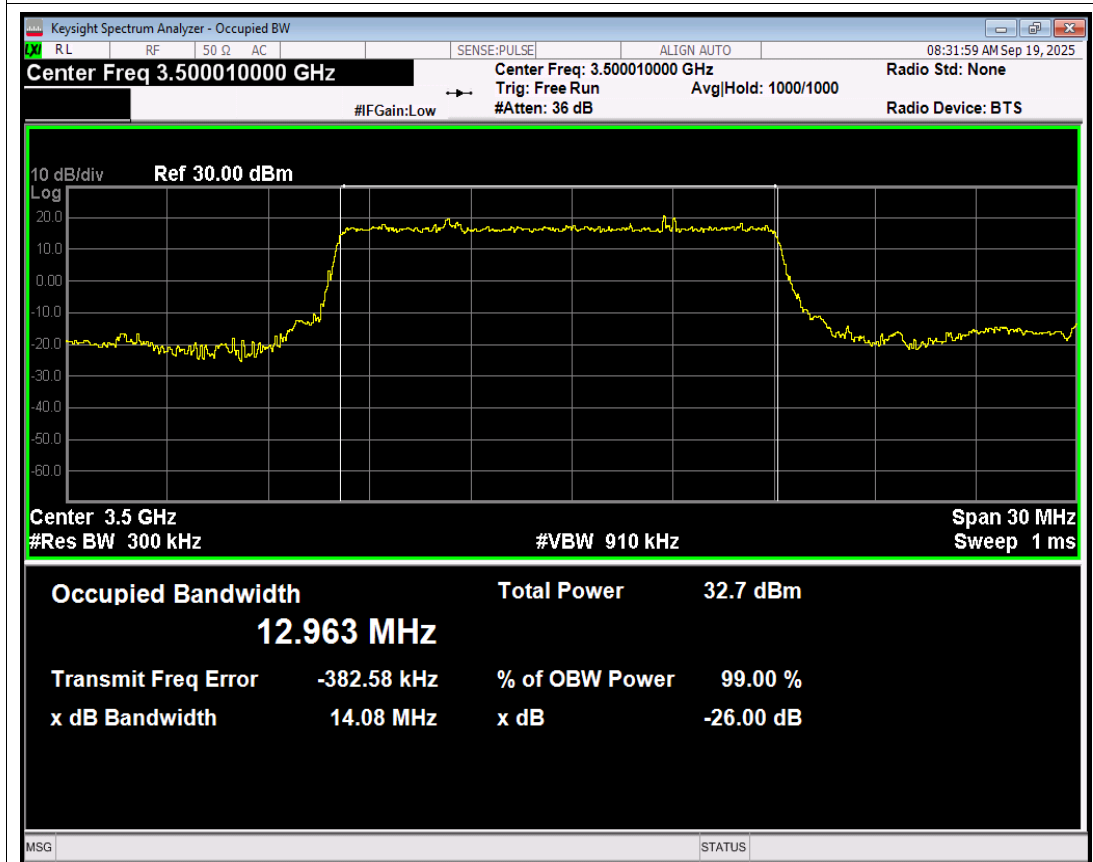
n78(3450-3550) SCS=30kHz CP_16QAM BW=10MHz Channel=633334 RB=24@0



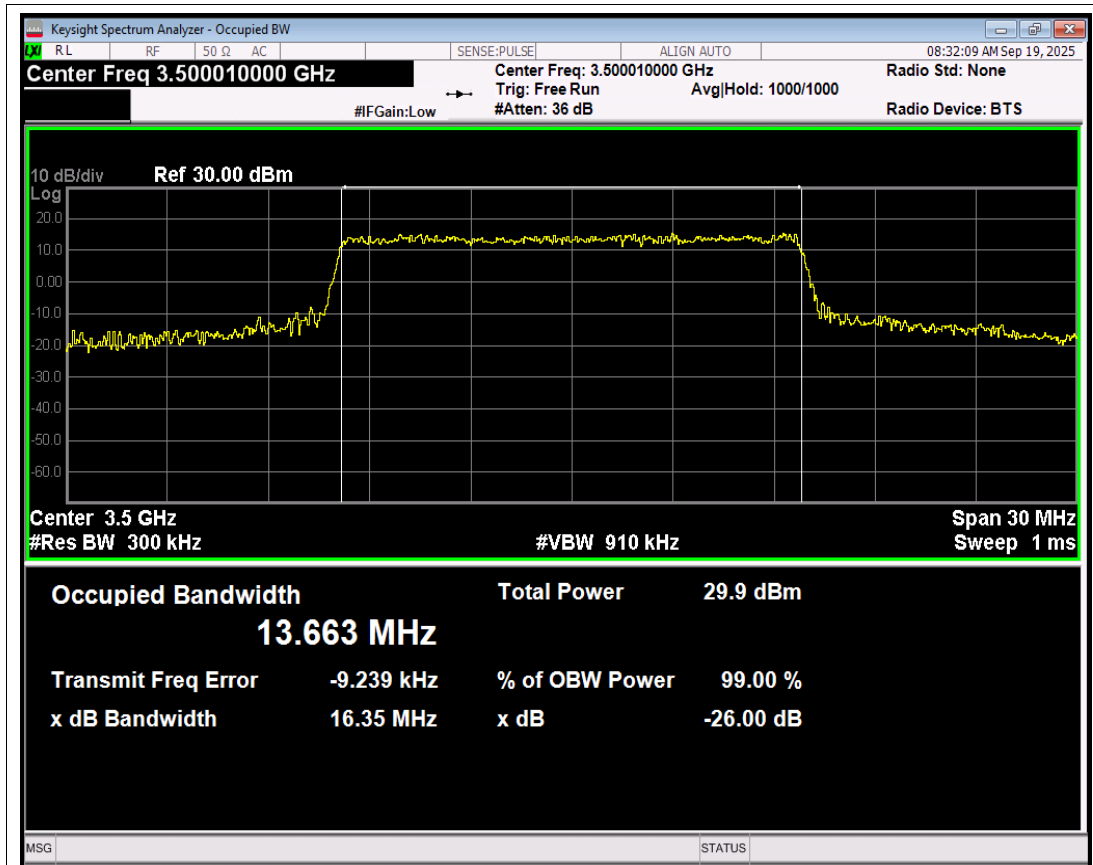
n78(3450-3550) SCS=30kHz CP_64QAM BW=10MHz Channel=633334 RB=24@0



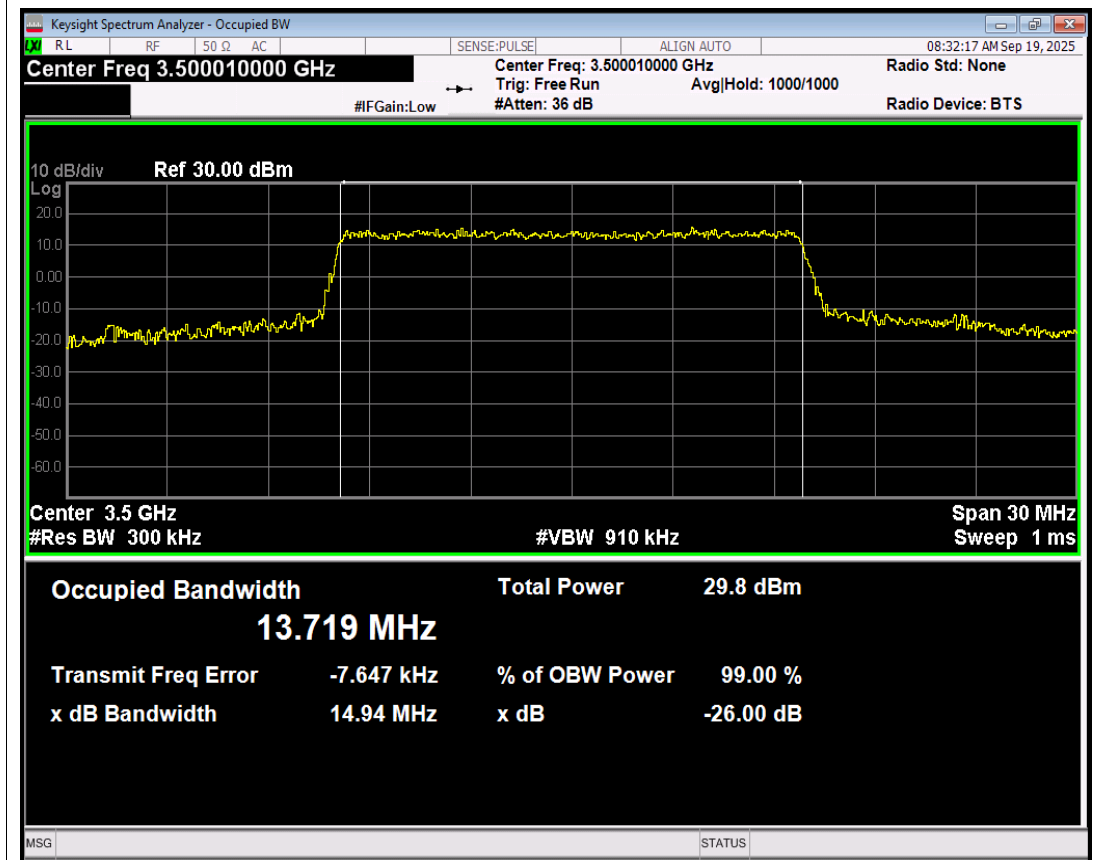
n78(3450-3550) SCS=30kHz CP_256QAM BW=10MHz Channel=633334 RB=24@0



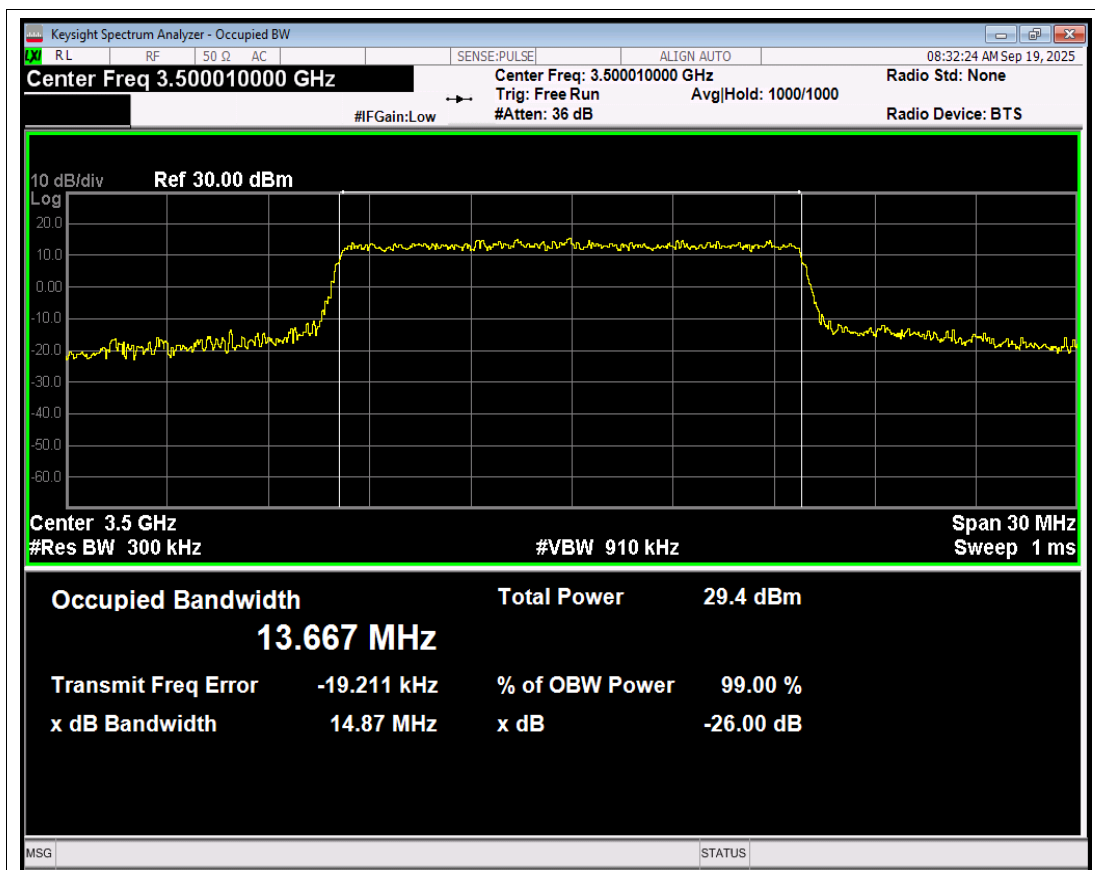
n78(3450-3550) SCS=30kHz DFT_BPSK BW=15MHz Channel=633334 RB=36@0



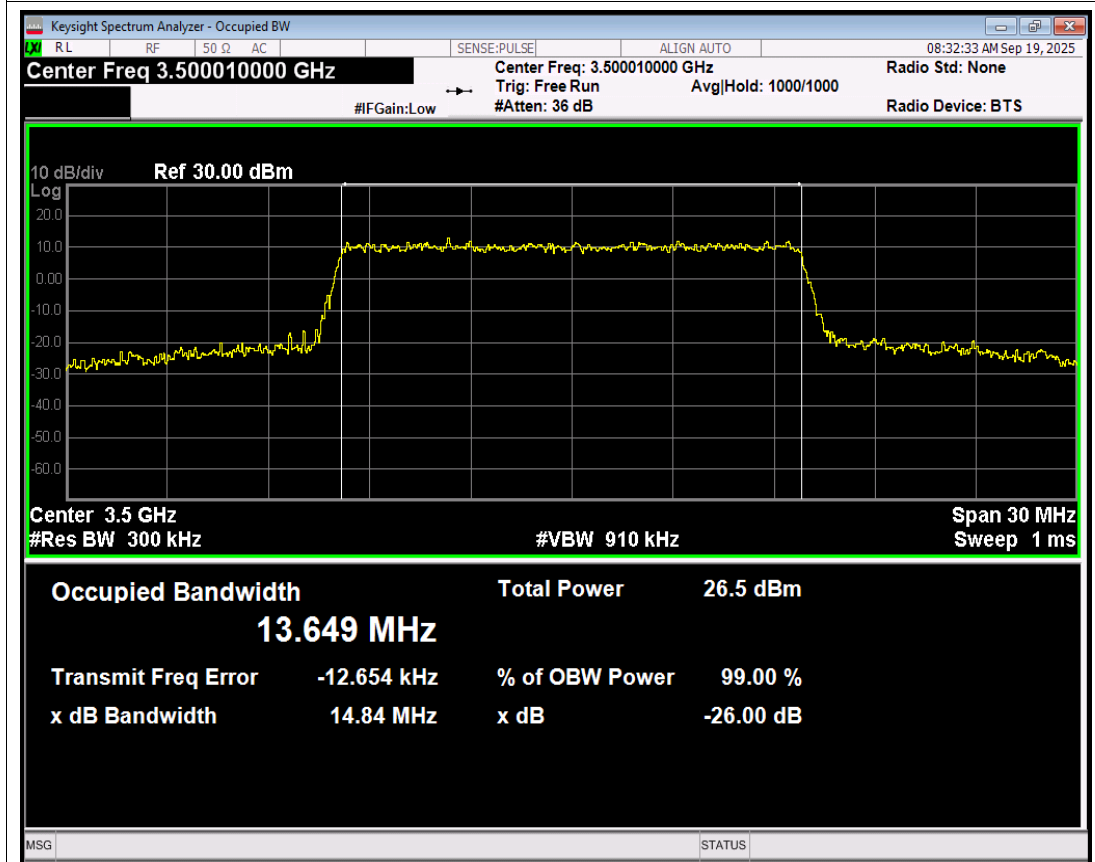
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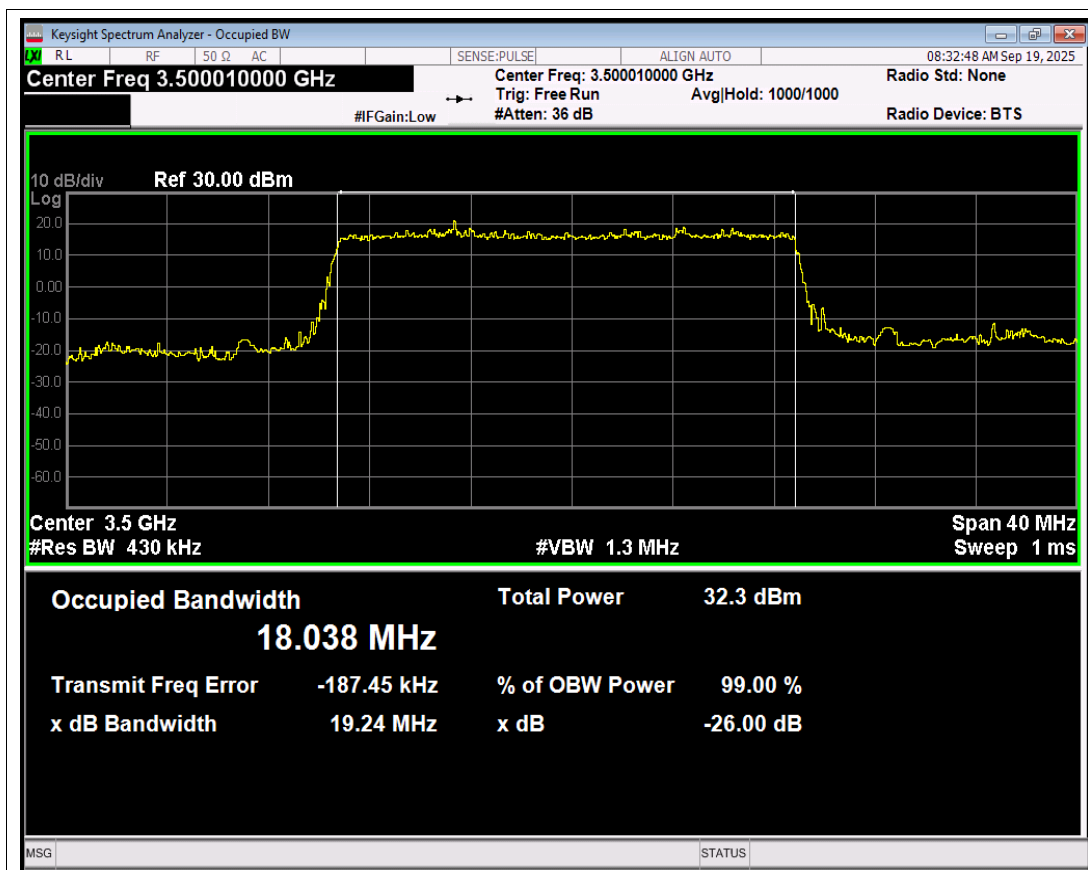
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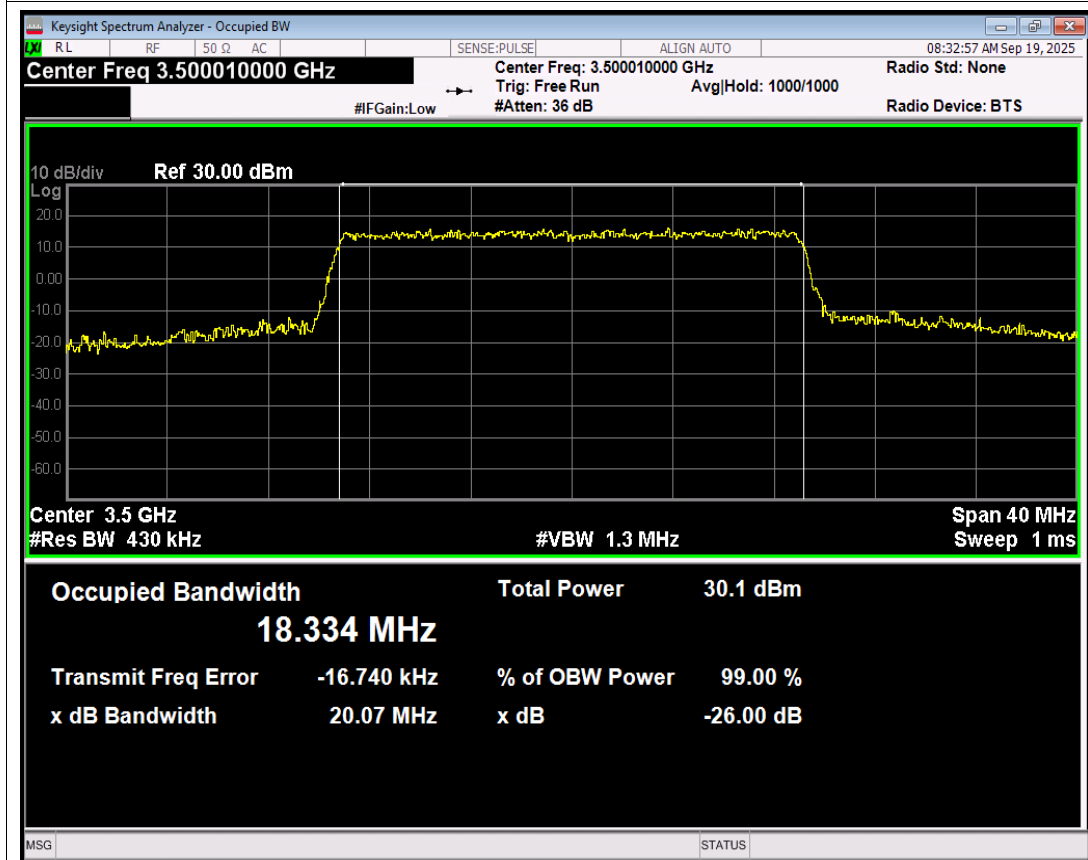
n78(3450-3550) SCS=30kHz CP_64QAM BW=15MHz Channel=633334 RB=38@0



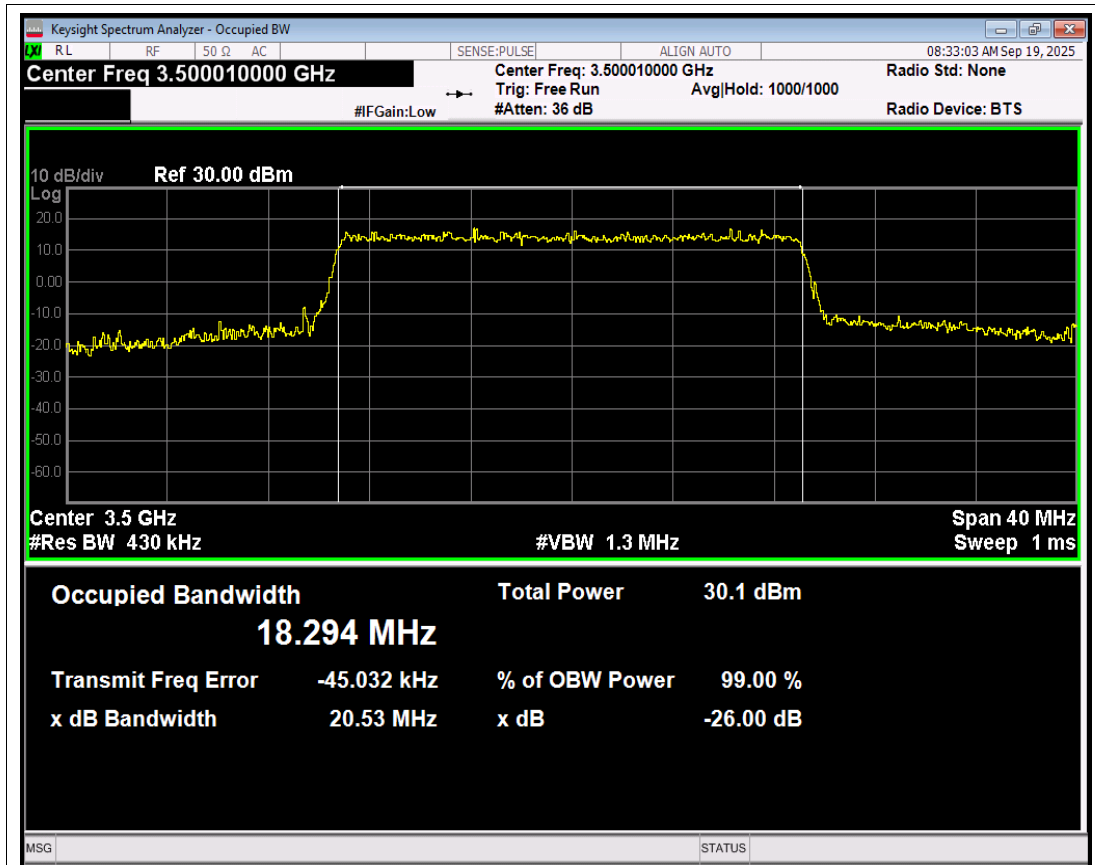
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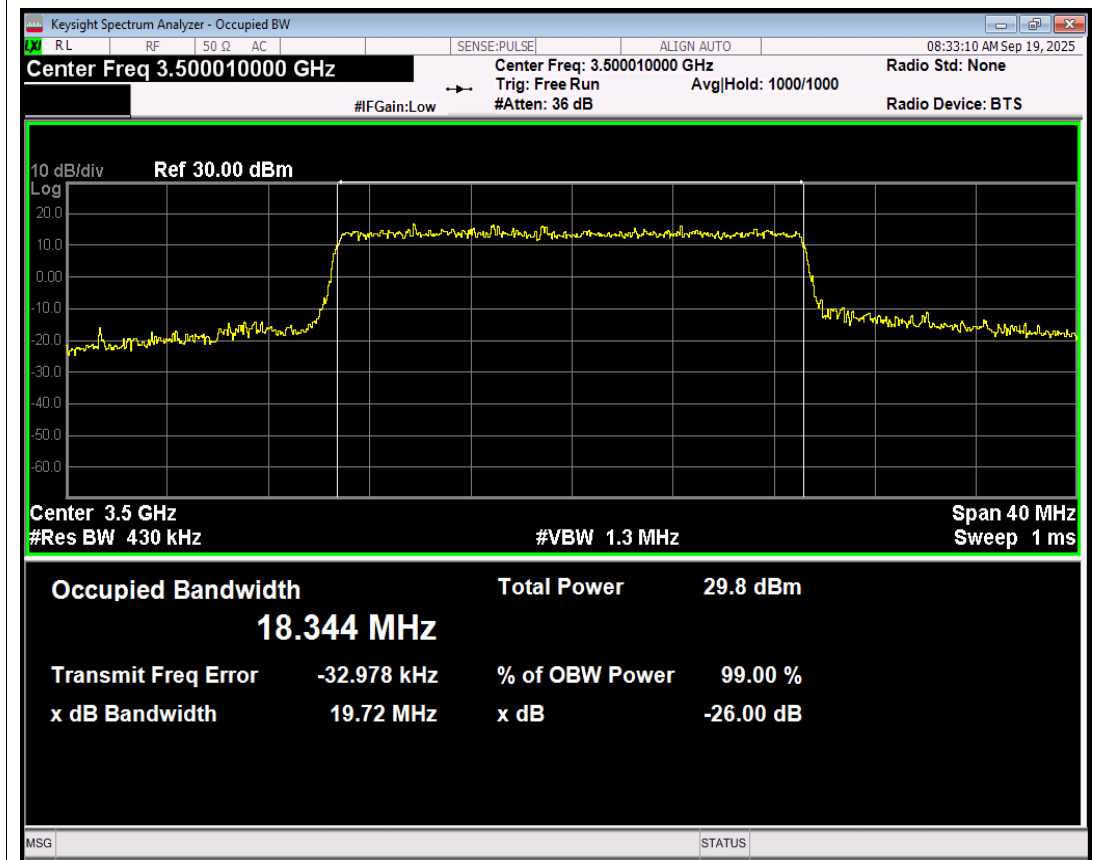
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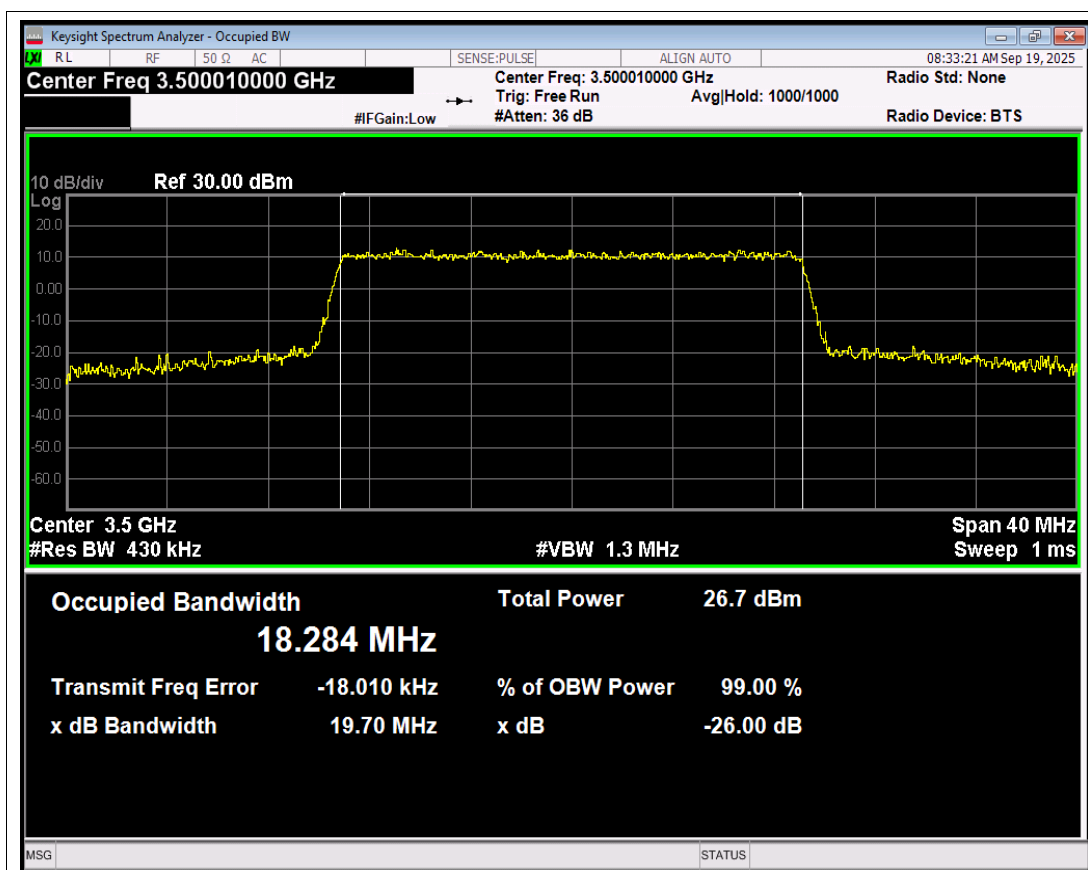
n78(3450-3550) SCS=30kHz CP_QPSK BW=20MHz Channel=633334 RB=51@0



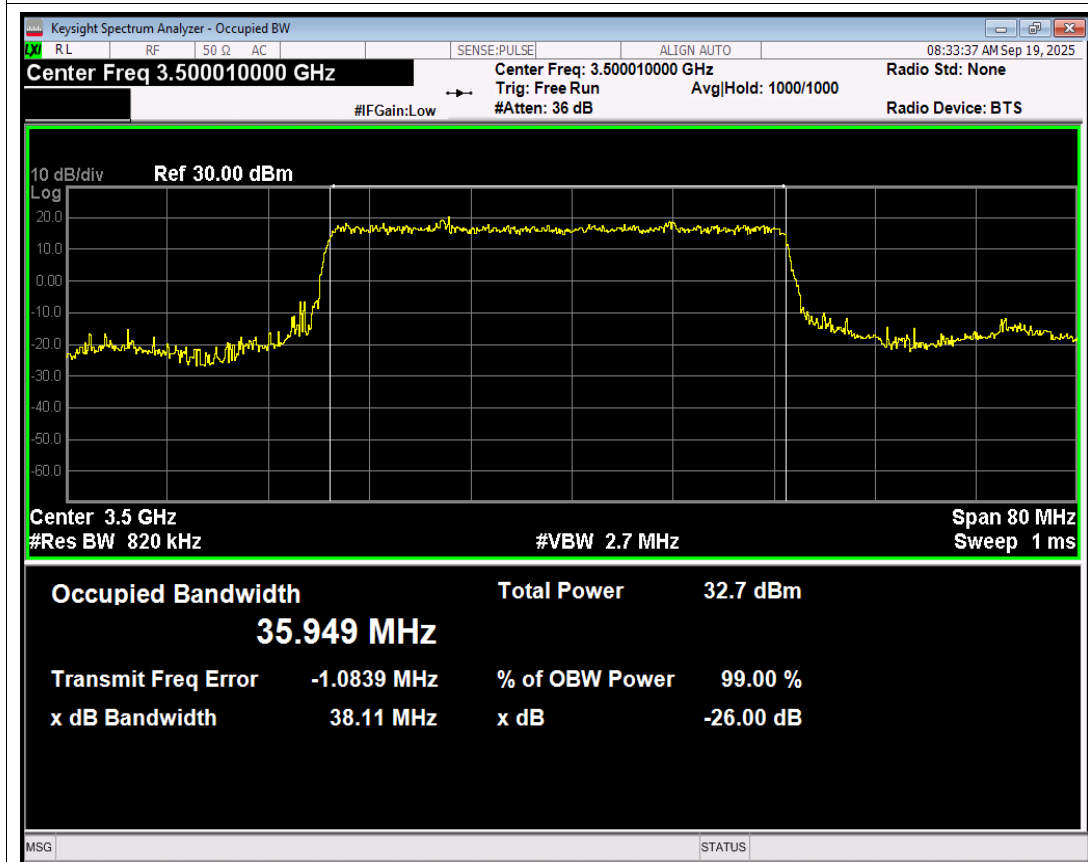
n78(3450-3550) SCS=30kHz CP_16QAM BW=20MHz Channel=633334 RB=51@0



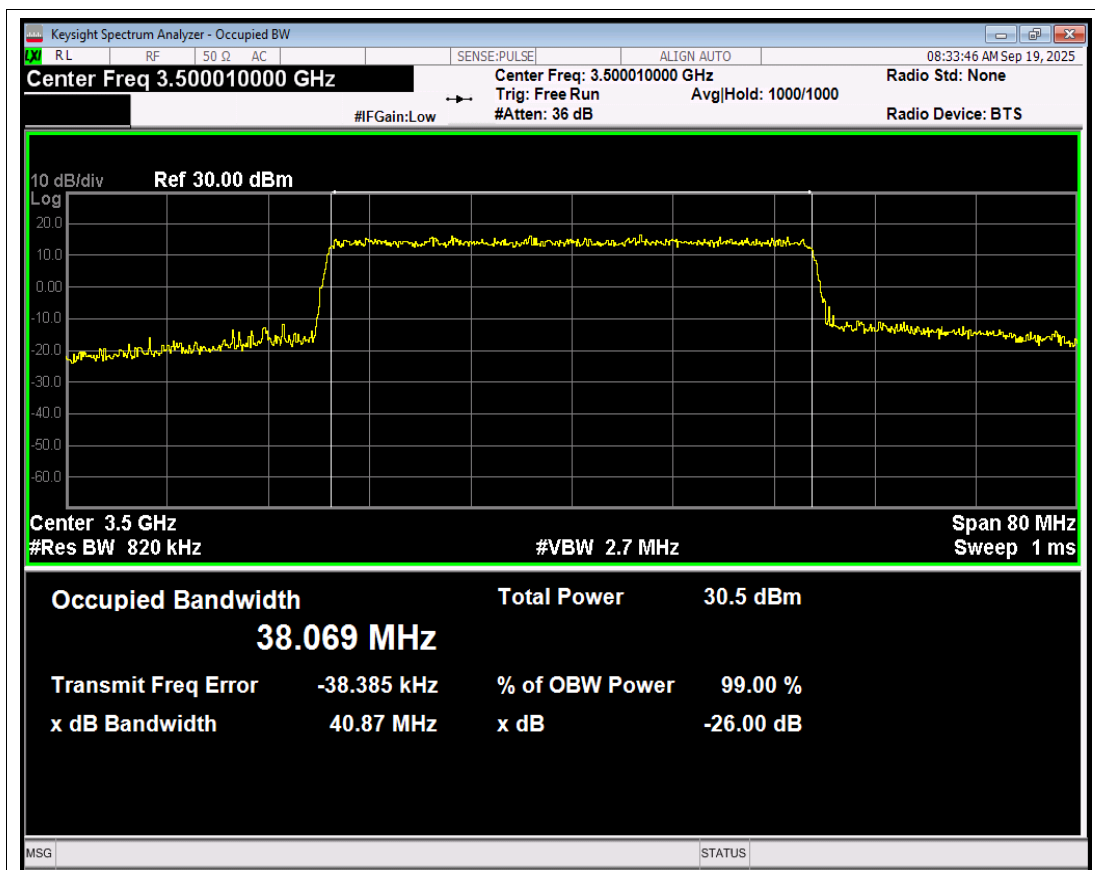
n78(3450-3550) SCS=30kHz CP_64QAM BW=20MHz Channel=633334 RB=51@0



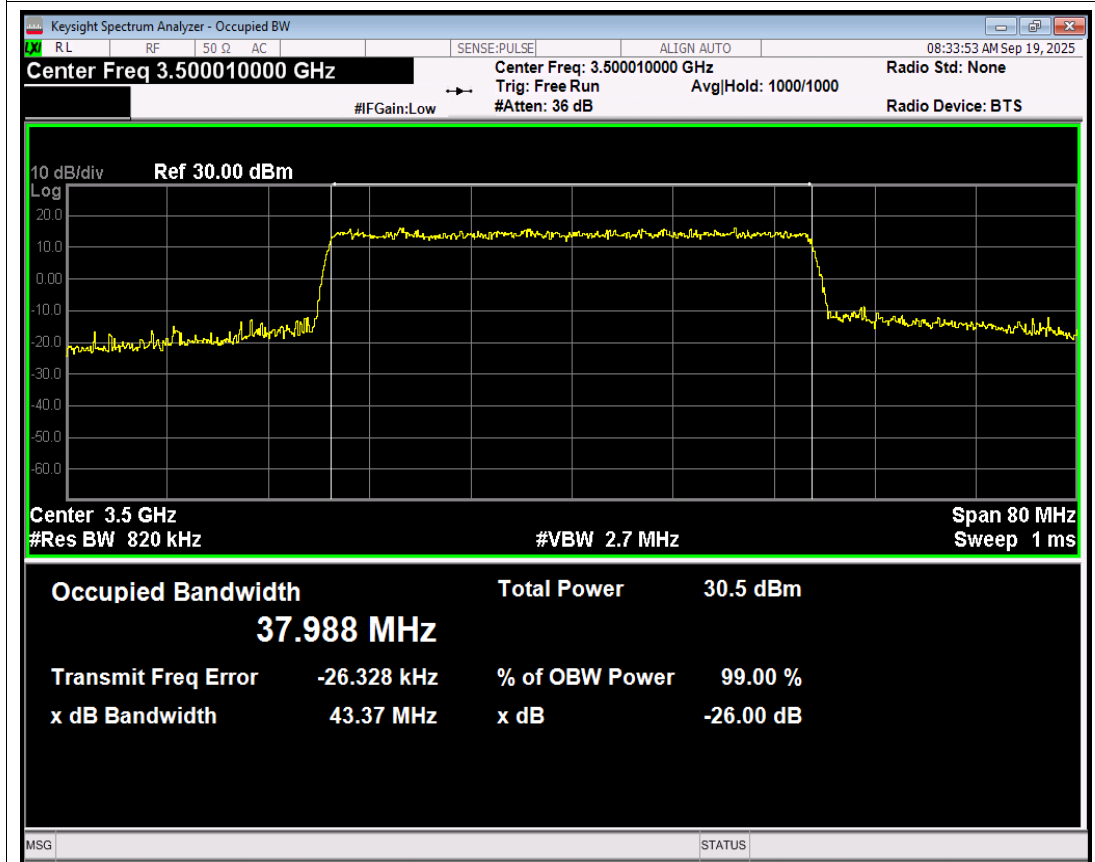
n78(3450-3550) SCS=30kHz CP_256QAM BW=20MHz Channel=633334 RB=51@0



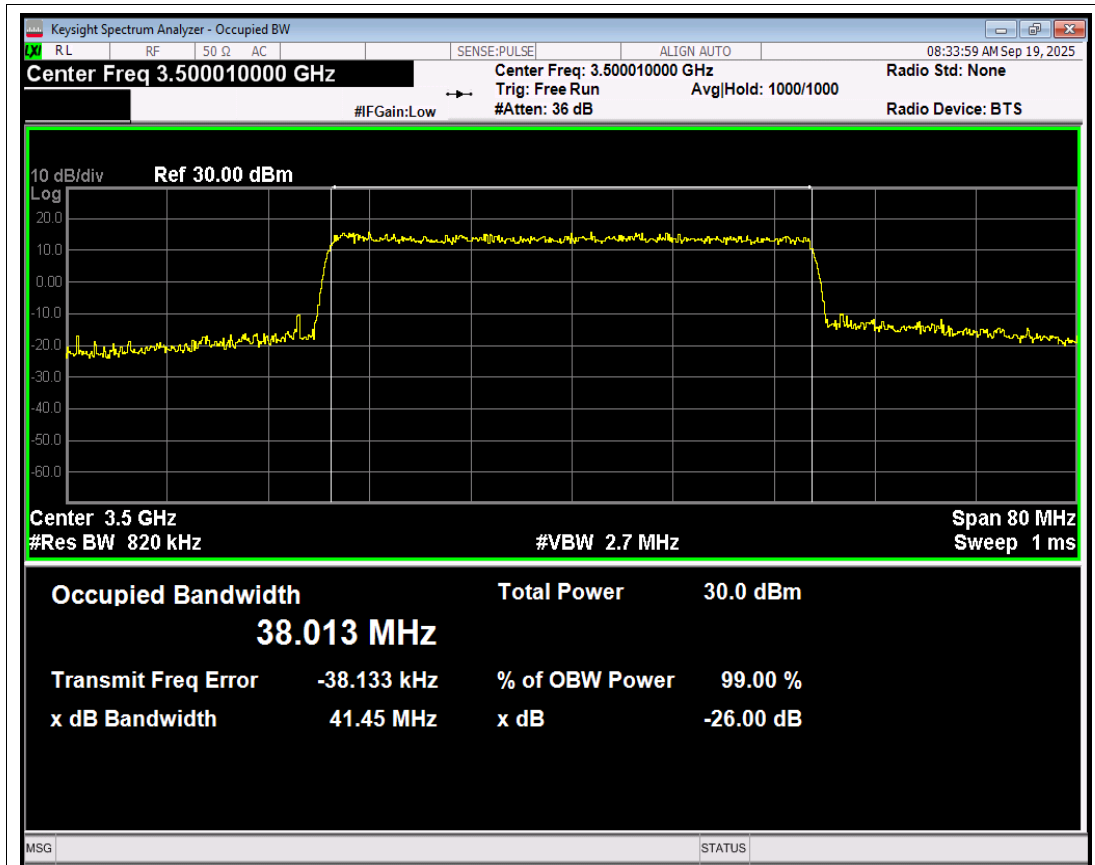
n78(3450-3550) SCS=30kHz DFT_BPSK BW=40MHz Channel=633334 RB=100@0



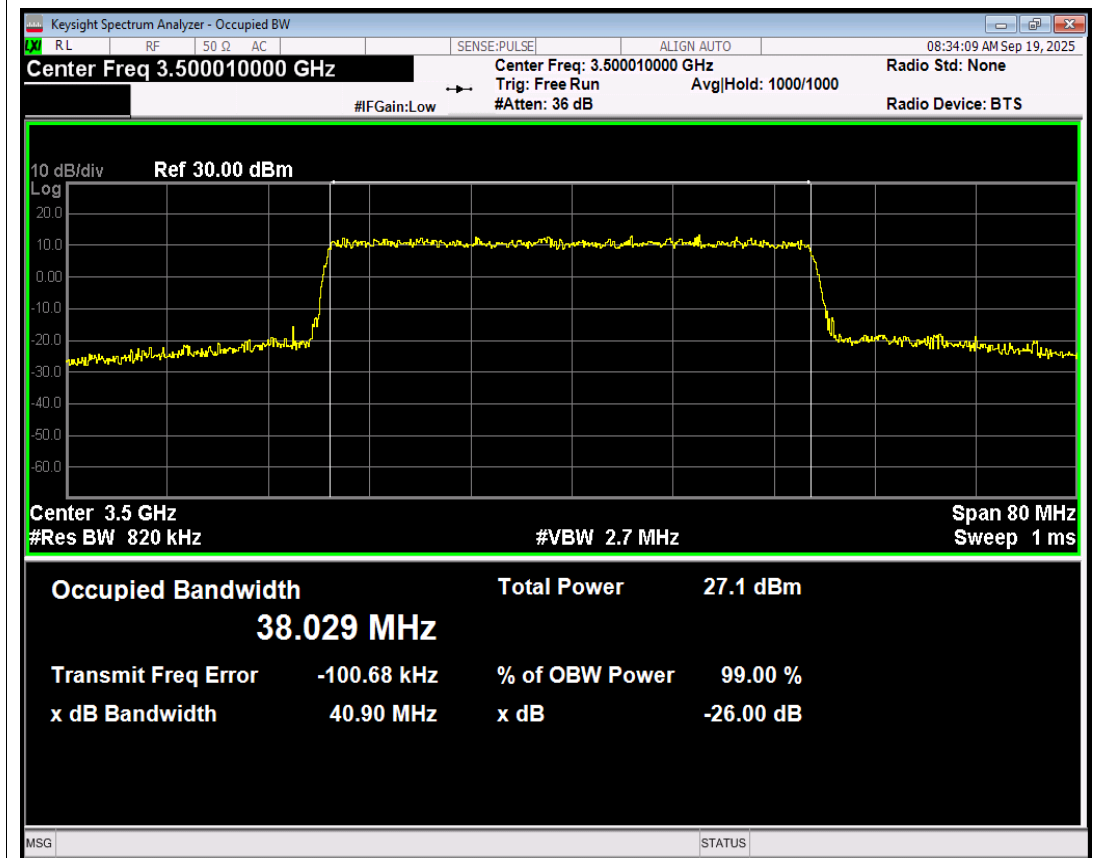
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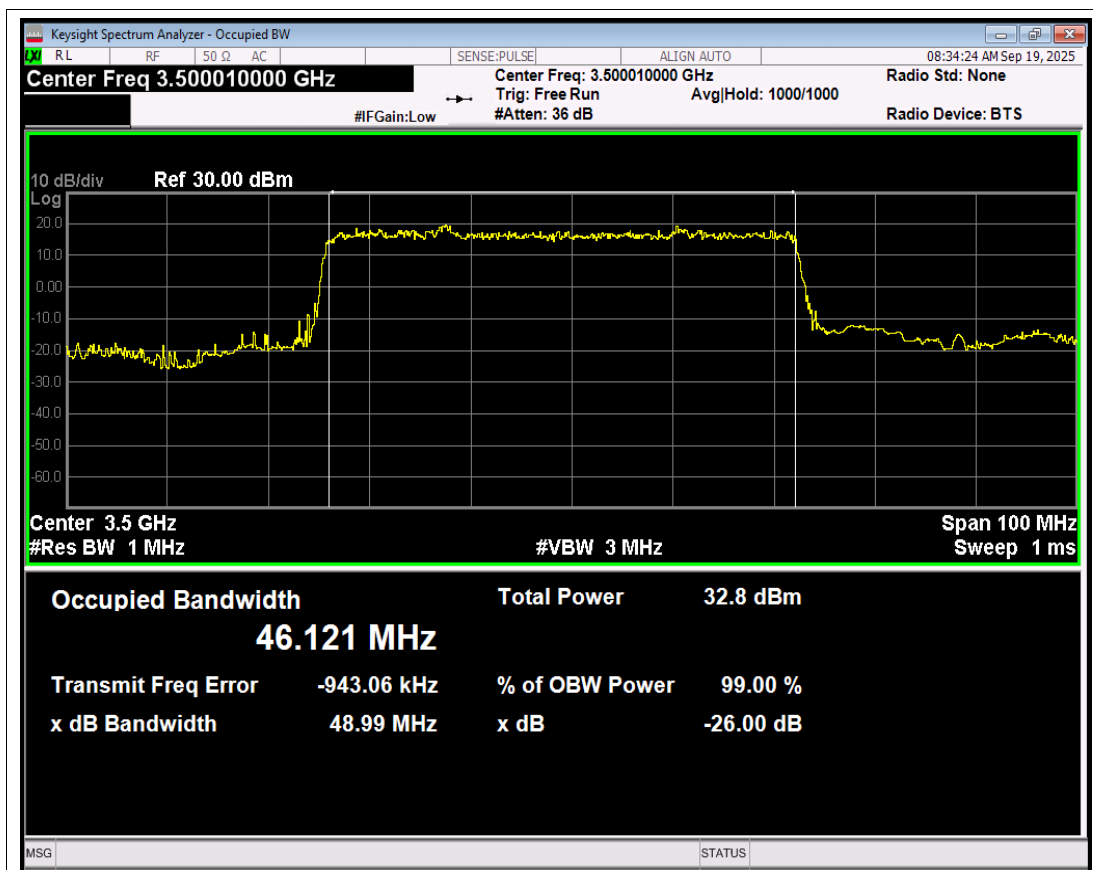
n78(3450-3550) SCS=30kHz CP_16QAM BW=40MHz Channel=633334 RB=106@0



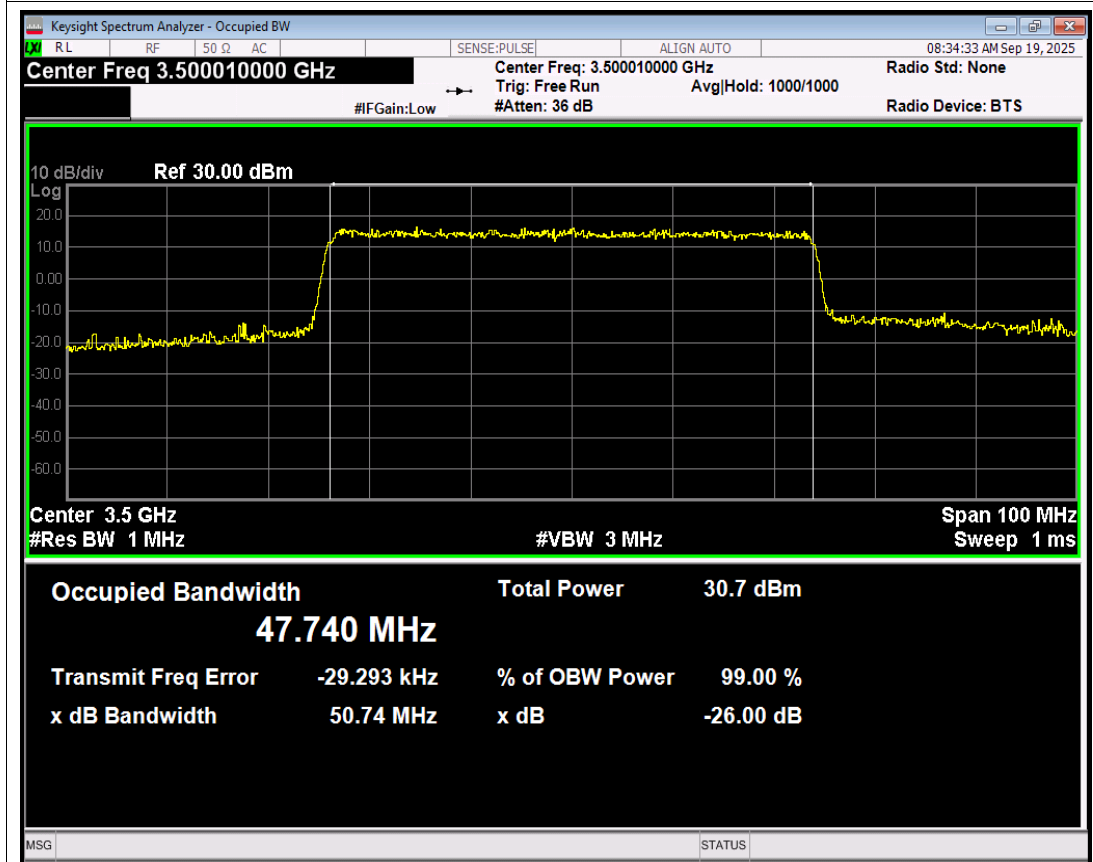
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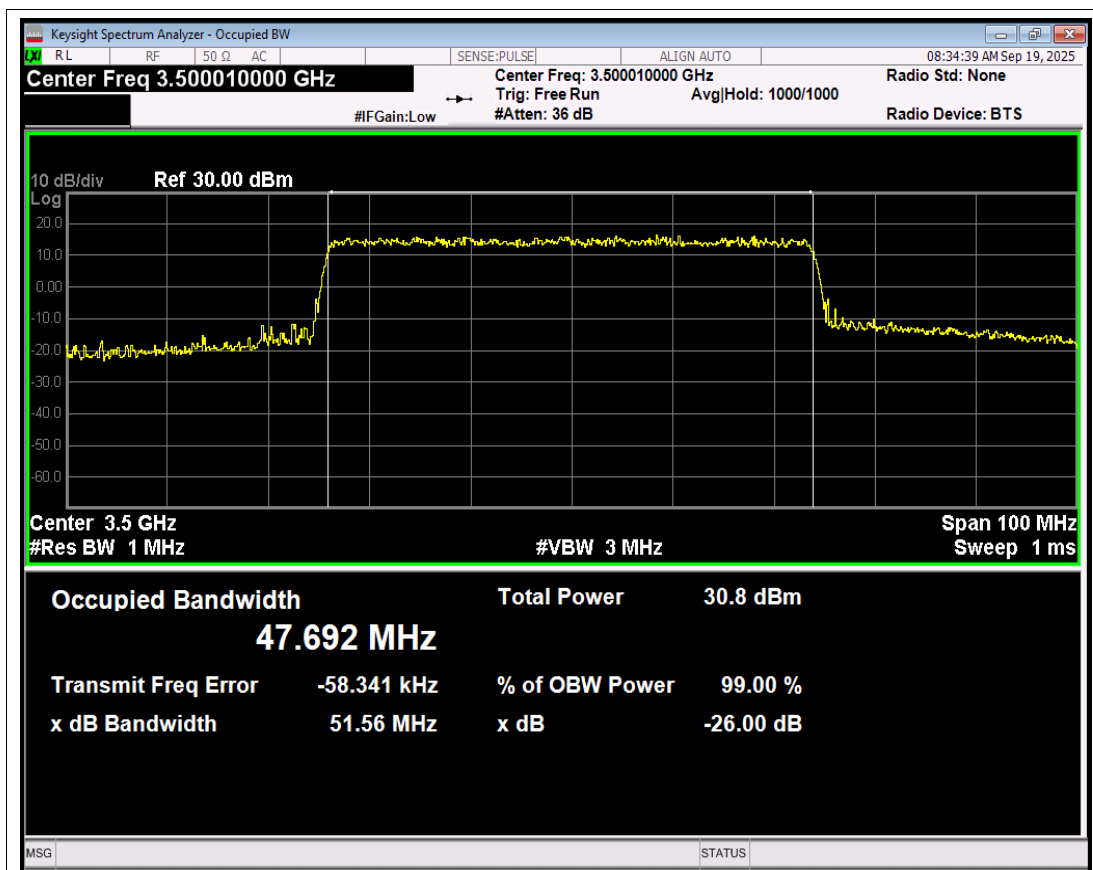
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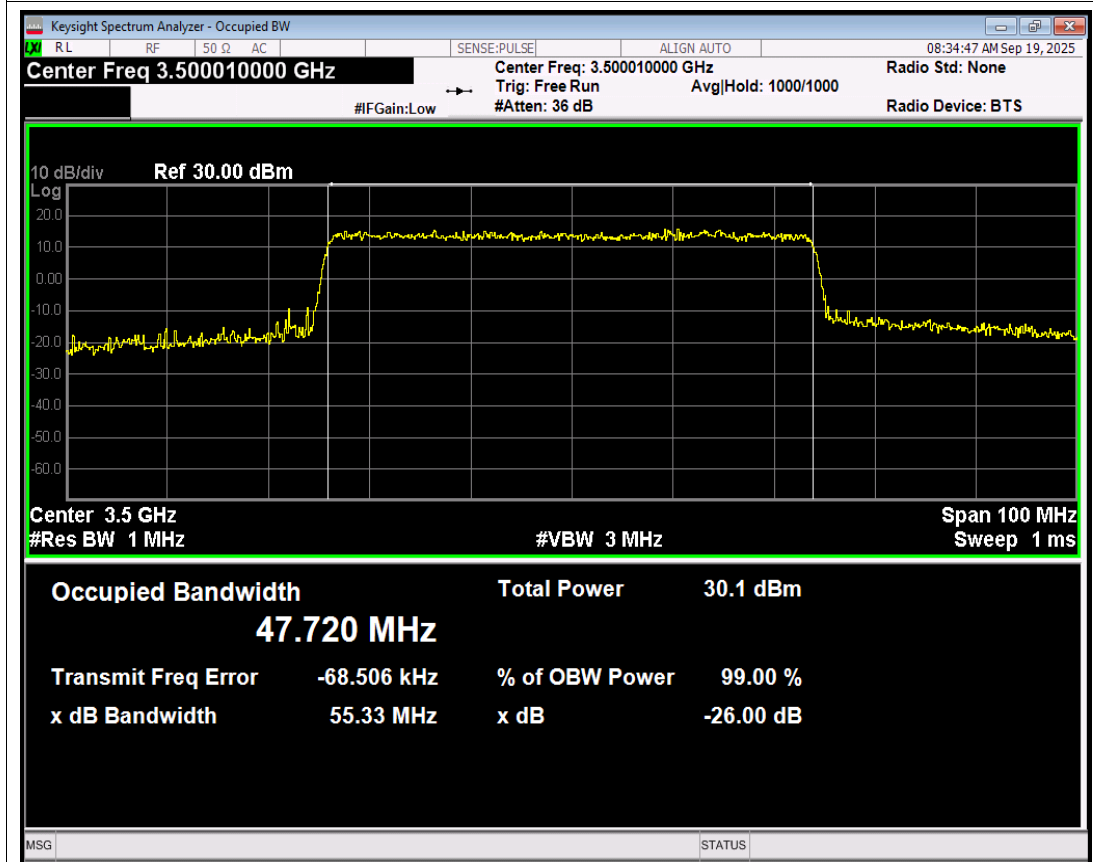
n78(3450-3550) SCS=30kHz DFT_BPSK BW=50MHz Channel=633334 RB=128@0



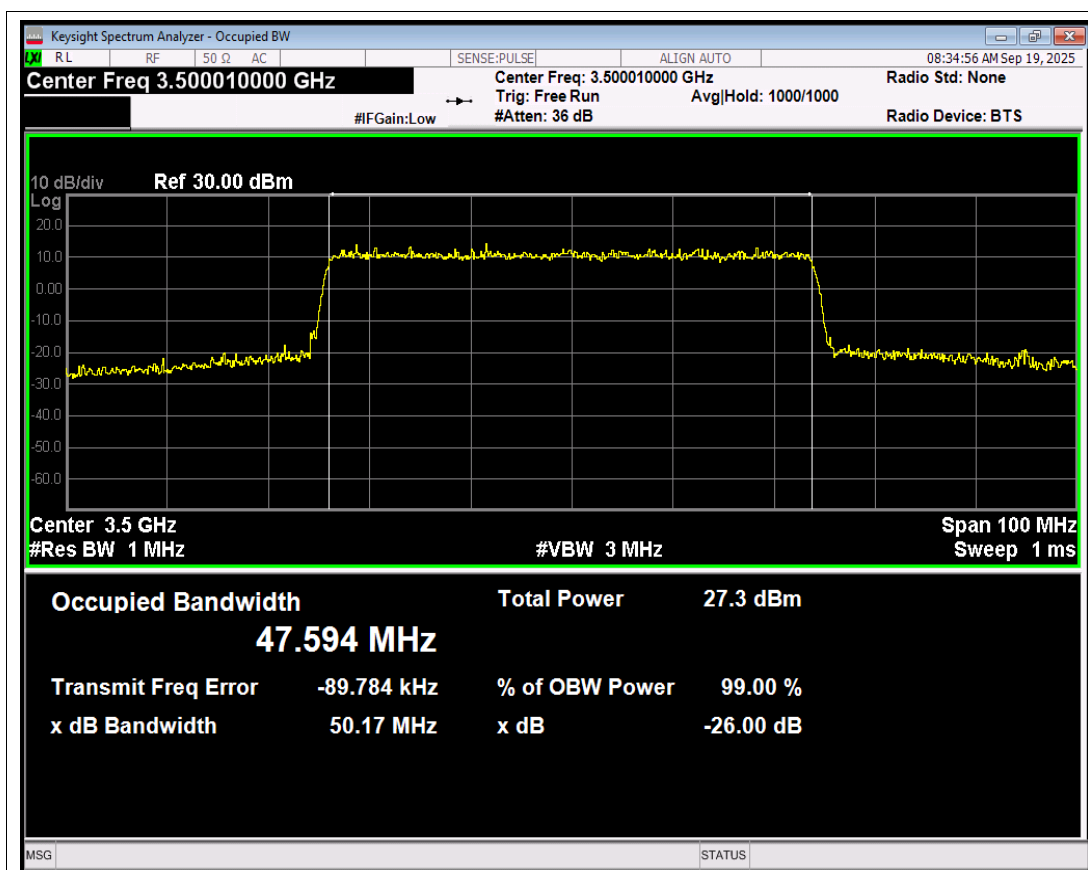
n78(3450-3550) SCS=30kHz CP_QPSK BW=50MHz Channel=633334 RB=133@0



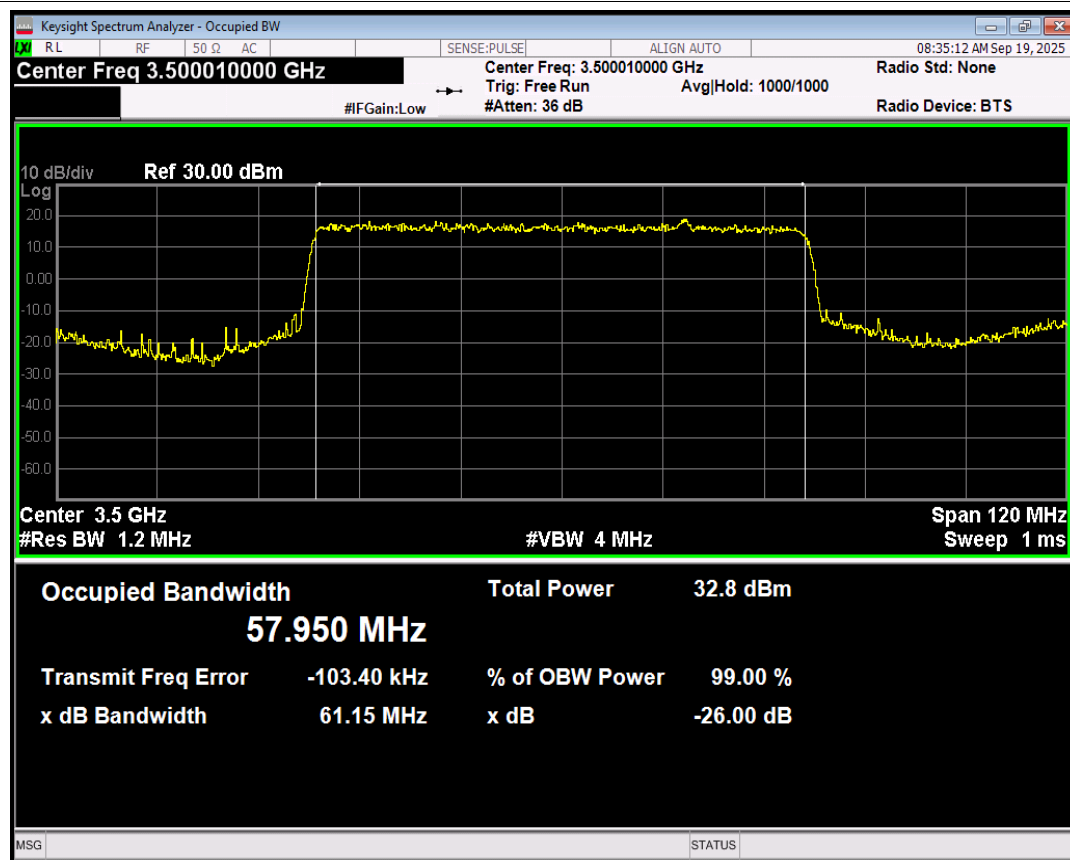
n78(3450-3550) SCS=30kHz CP_16QAM BW=50MHz Channel=633334 RB=133@0



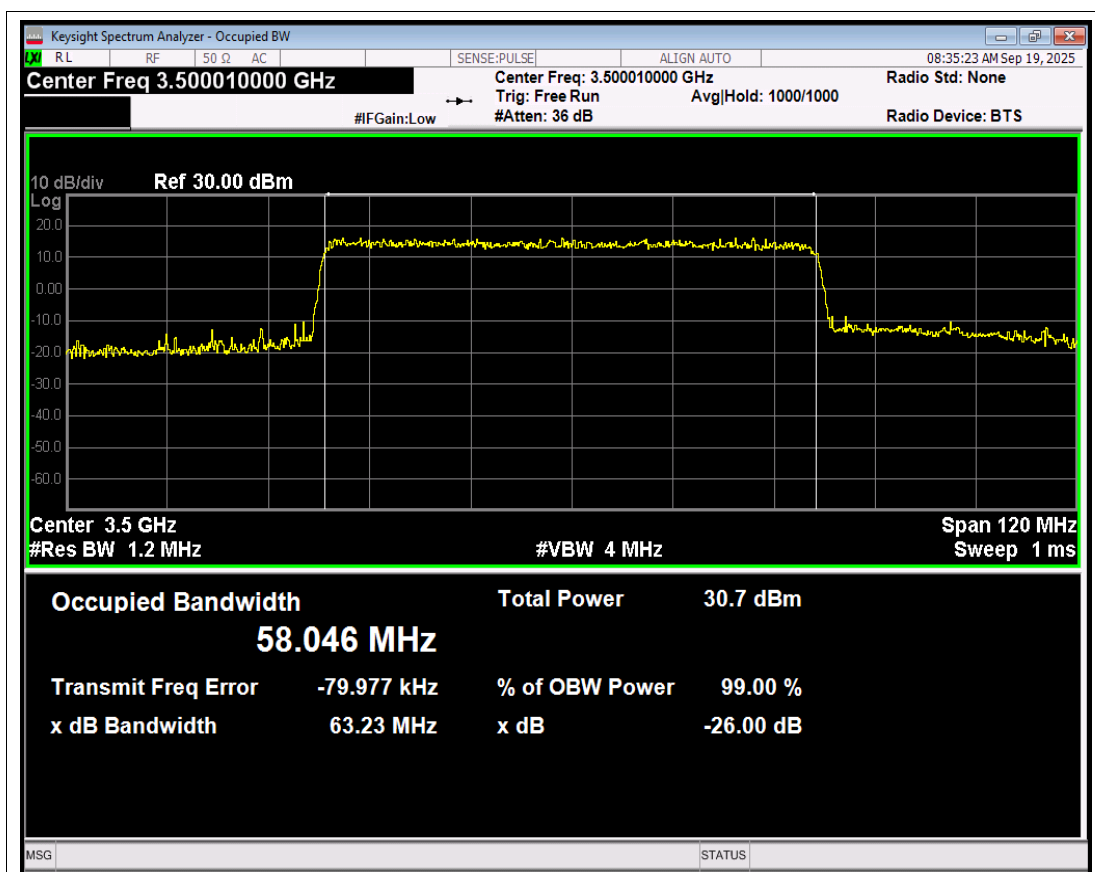
n78(3450-3550) SCS=30kHz CP_64QAM BW=50MHz Channel=633334 RB=133@0



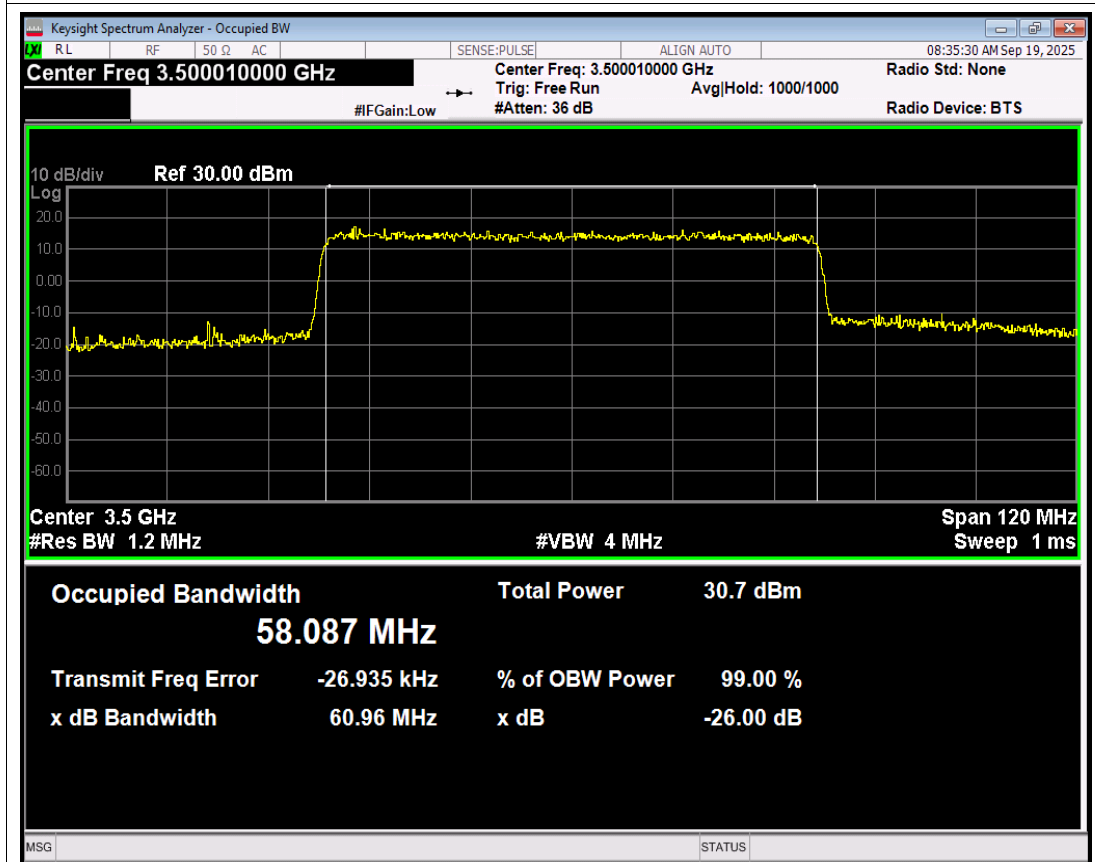
n78(3450-3550) SCS=30kHz CP_256QAM BW=50MHz Channel=633334 RB=133@0



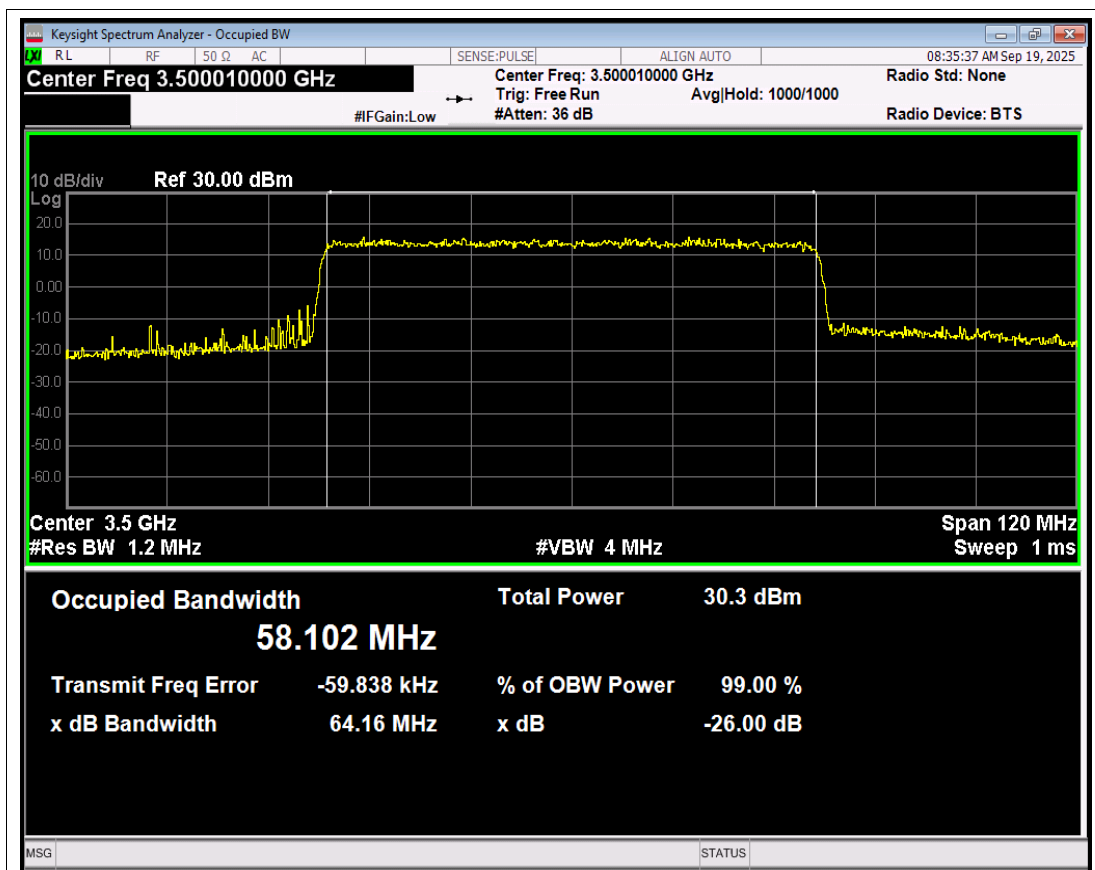
n78(3450-3550) SCS=30kHz DFT_BPSK BW=60MHz Channel=633334 RB=162@0



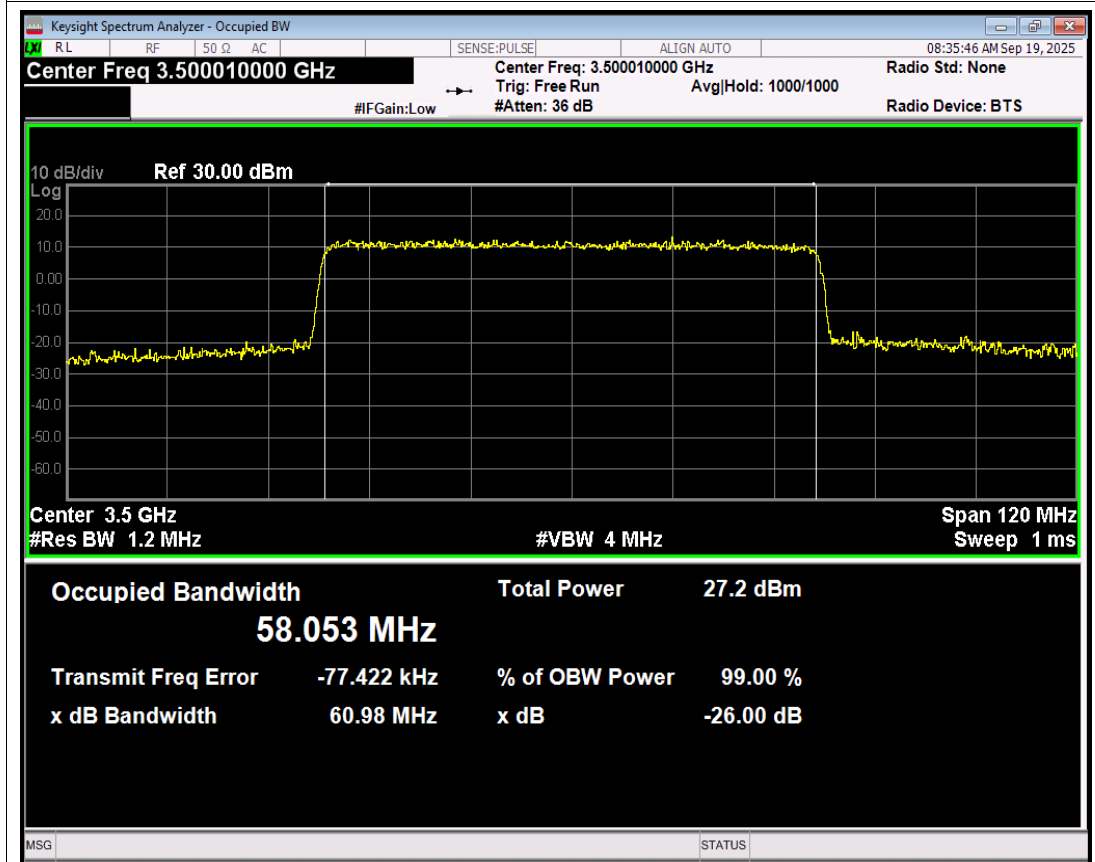
n78(3450-3550) SCS=30kHz CP_QPSK BW=60MHz Channel=633334 RB=162@0



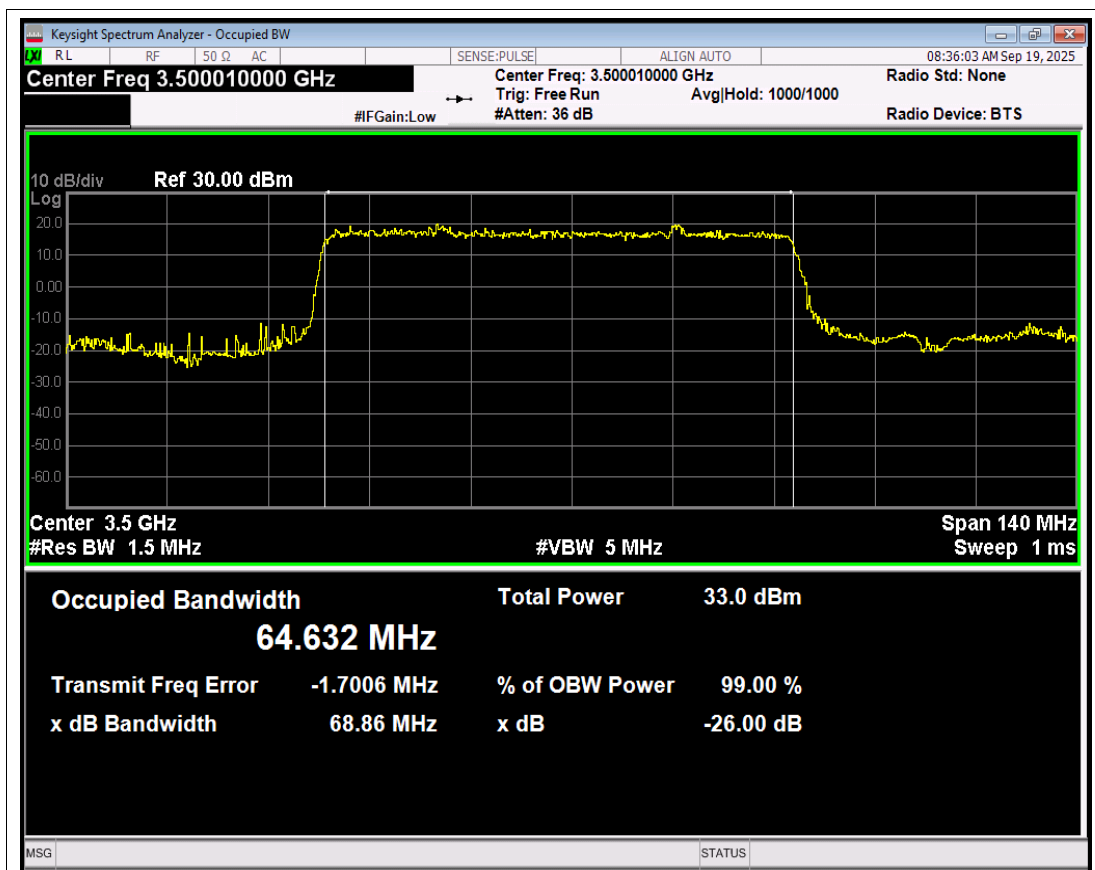
n78(3450-3550) SCS=30kHz CP_16QAM BW=60MHz Channel=633334 RB=162@0



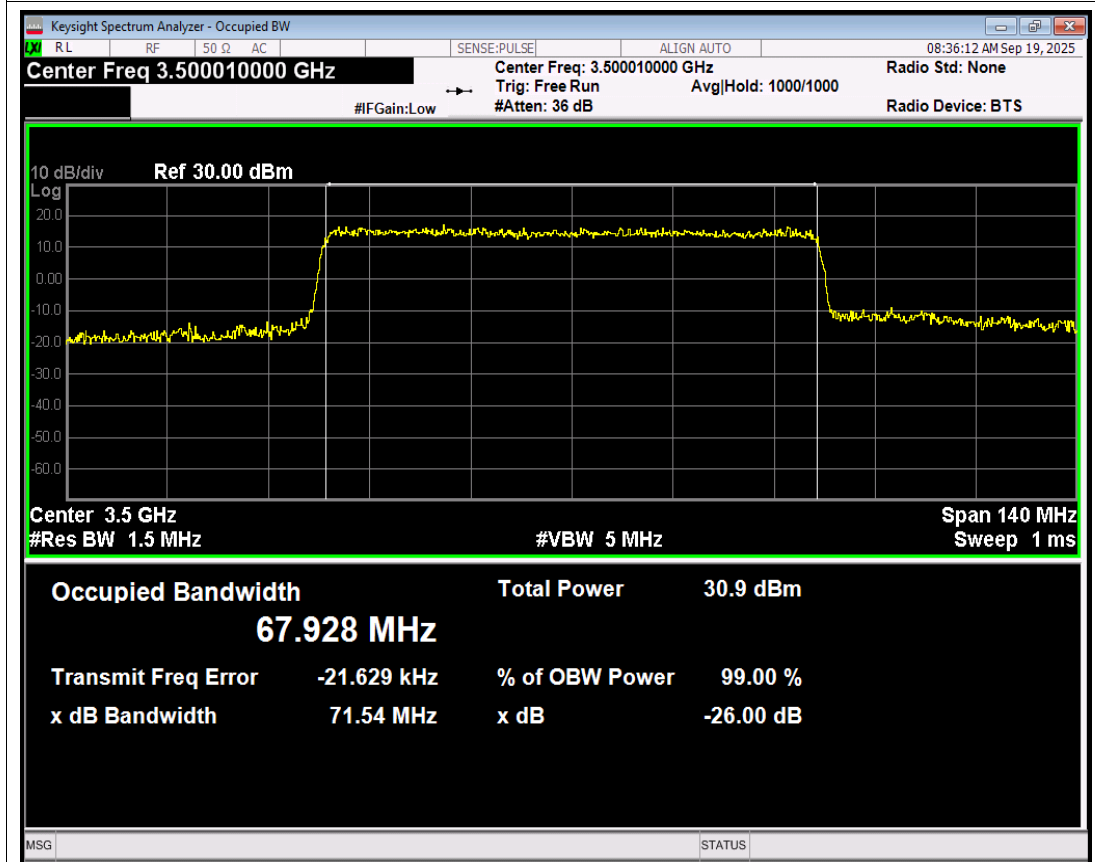
n78(3450-3550) SCS=30kHz CP_64QAM BW=60MHz Channel=633334 RB=162@0



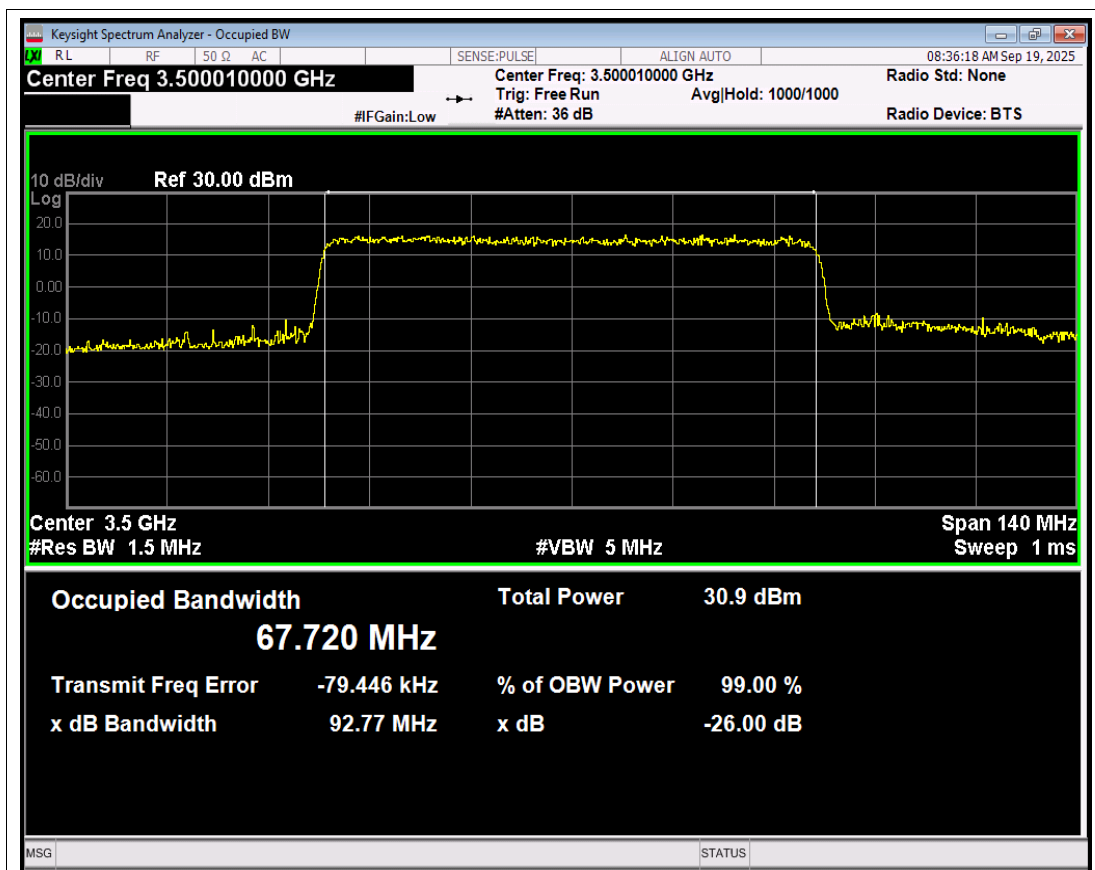
n78(3450-3550) SCS=30kHz CP_256QAM BW=60MHz Channel=633334 RB=162@0



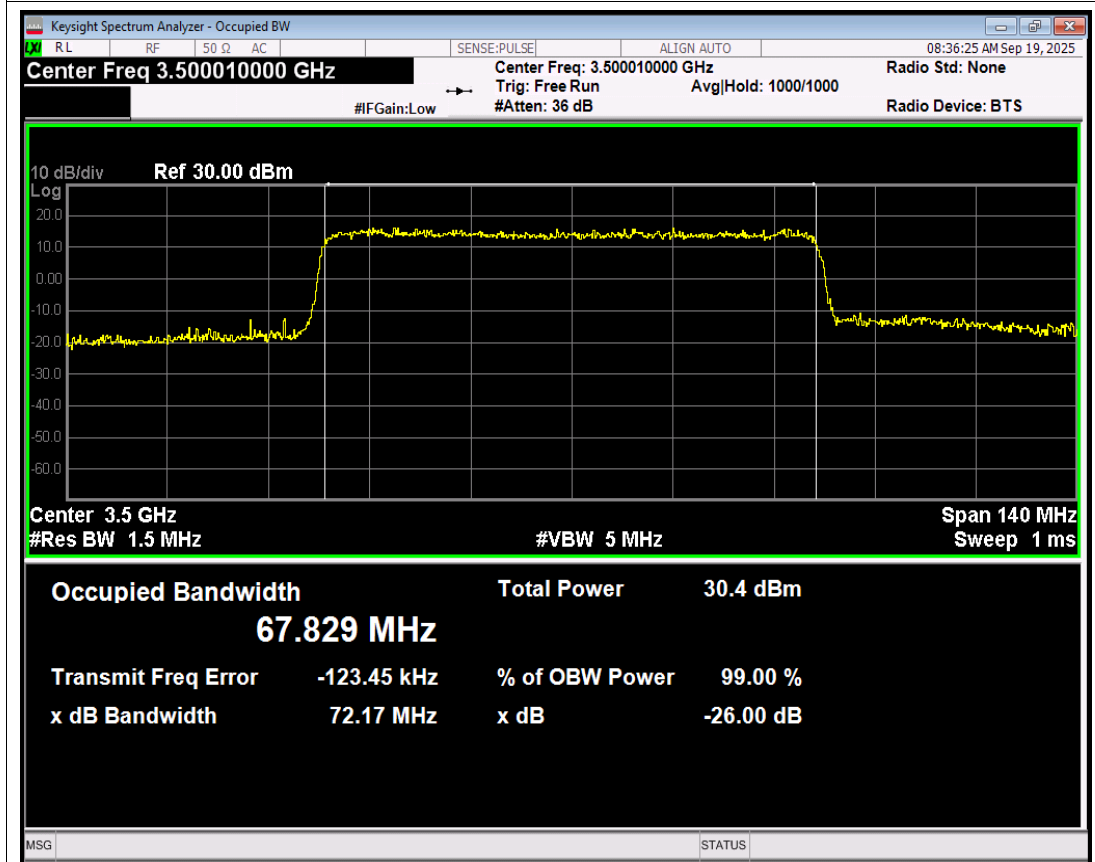
n78(3450-3550) SCS=30kHz DFT_BPSK BW=70MHz Channel=633334 RB=180@0



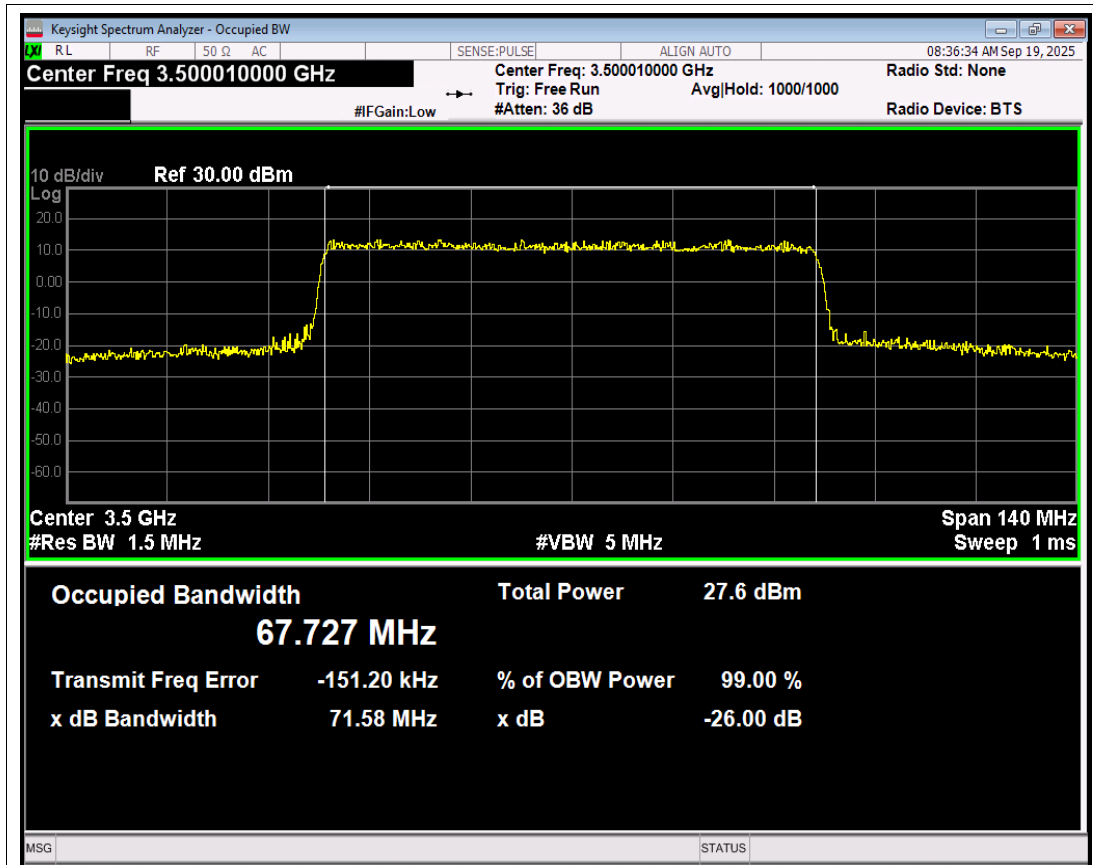
n78(3450-3550) SCS=30kHz CP_QPSK BW=70MHz Channel=633334 RB=189@0



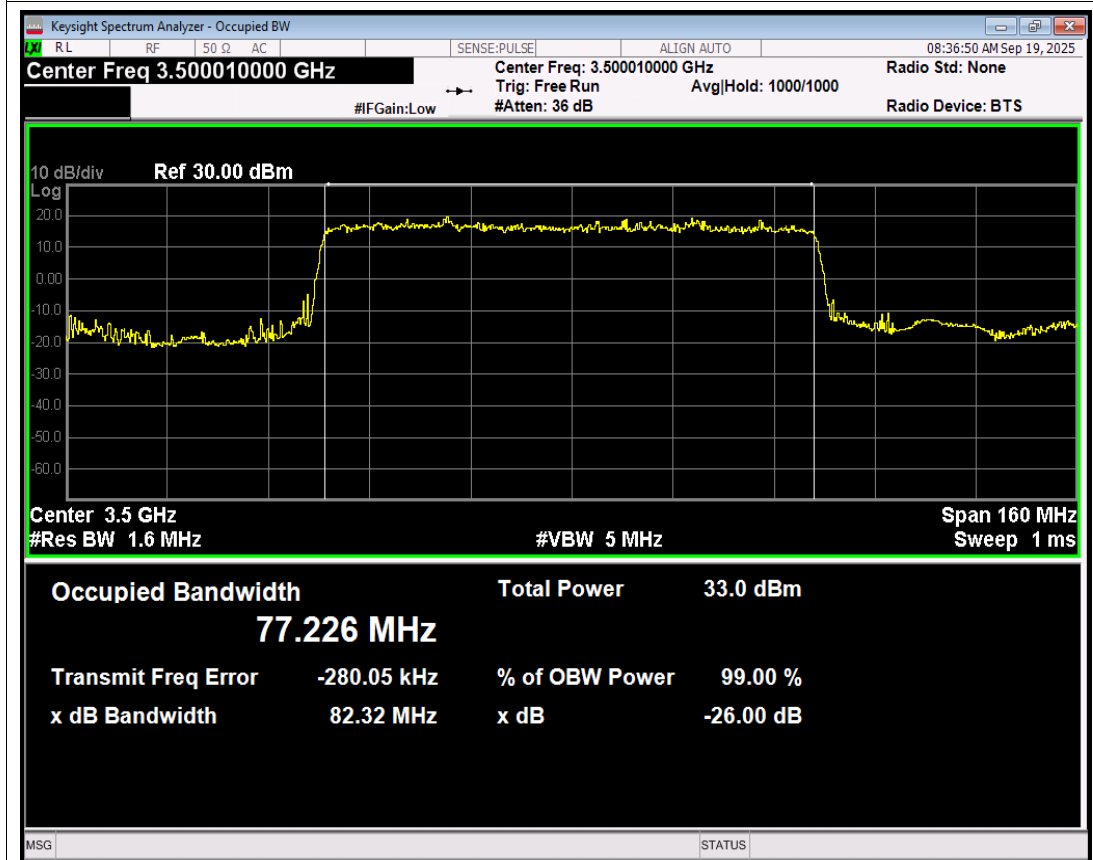
n78(3450-3550) SCS=30kHz CP_16QAM BW=70MHz Channel=633334 RB=189@0



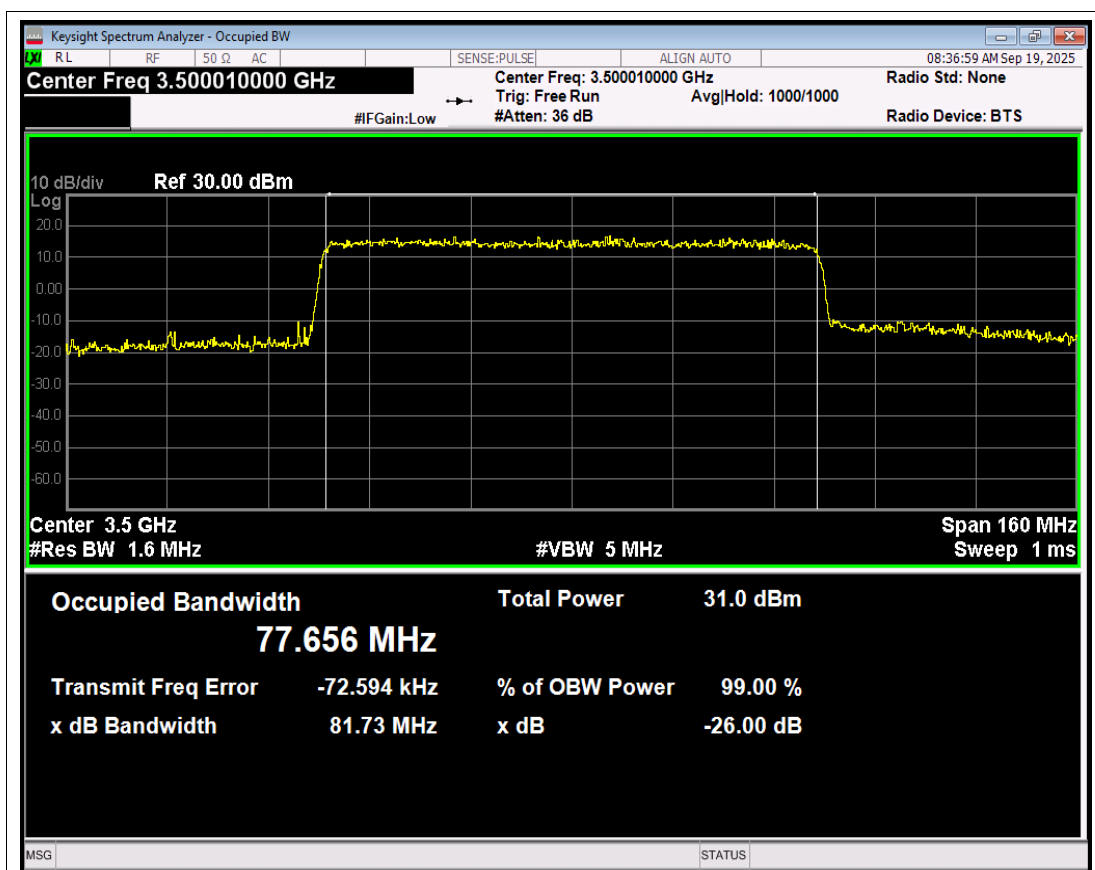
n78(3450-3550) SCS=30kHz CP_64QAM BW=70MHz Channel=633334 RB=189@0



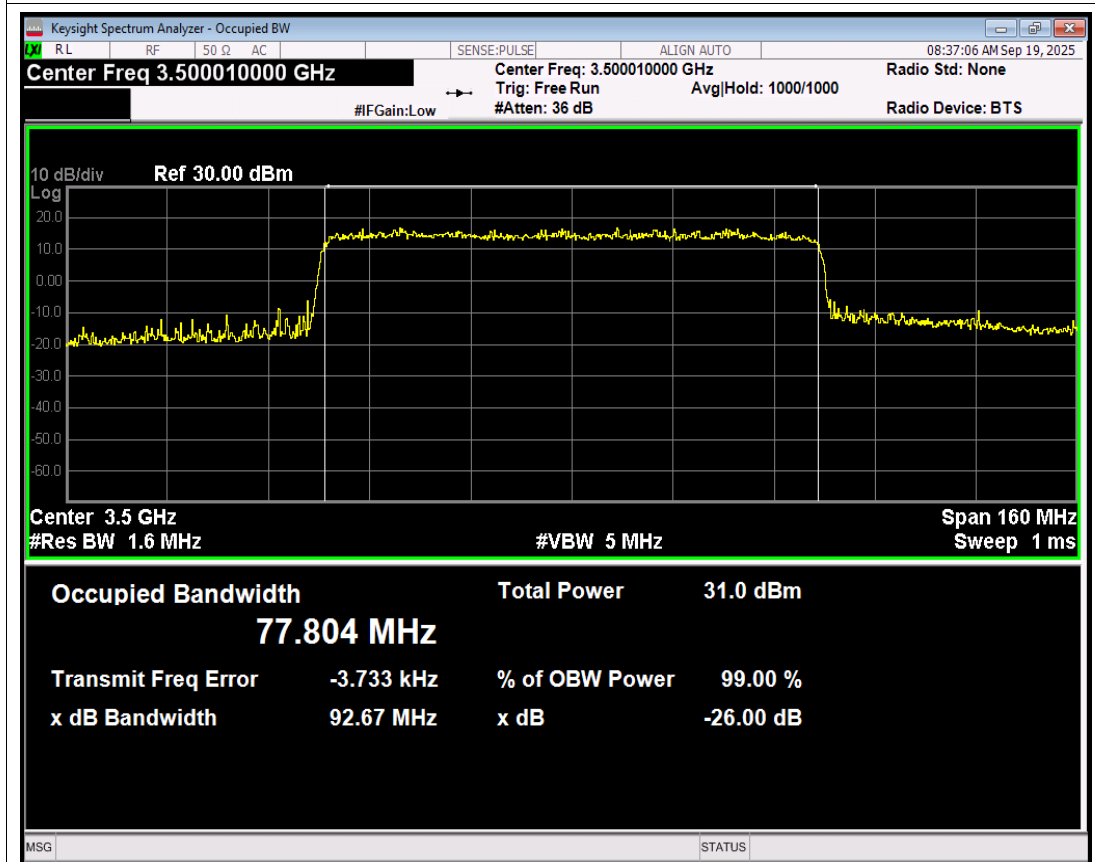
n78(3450-3550) SCS=30kHz CP_256QAM BW=70MHz Channel=633334 RB=189@0



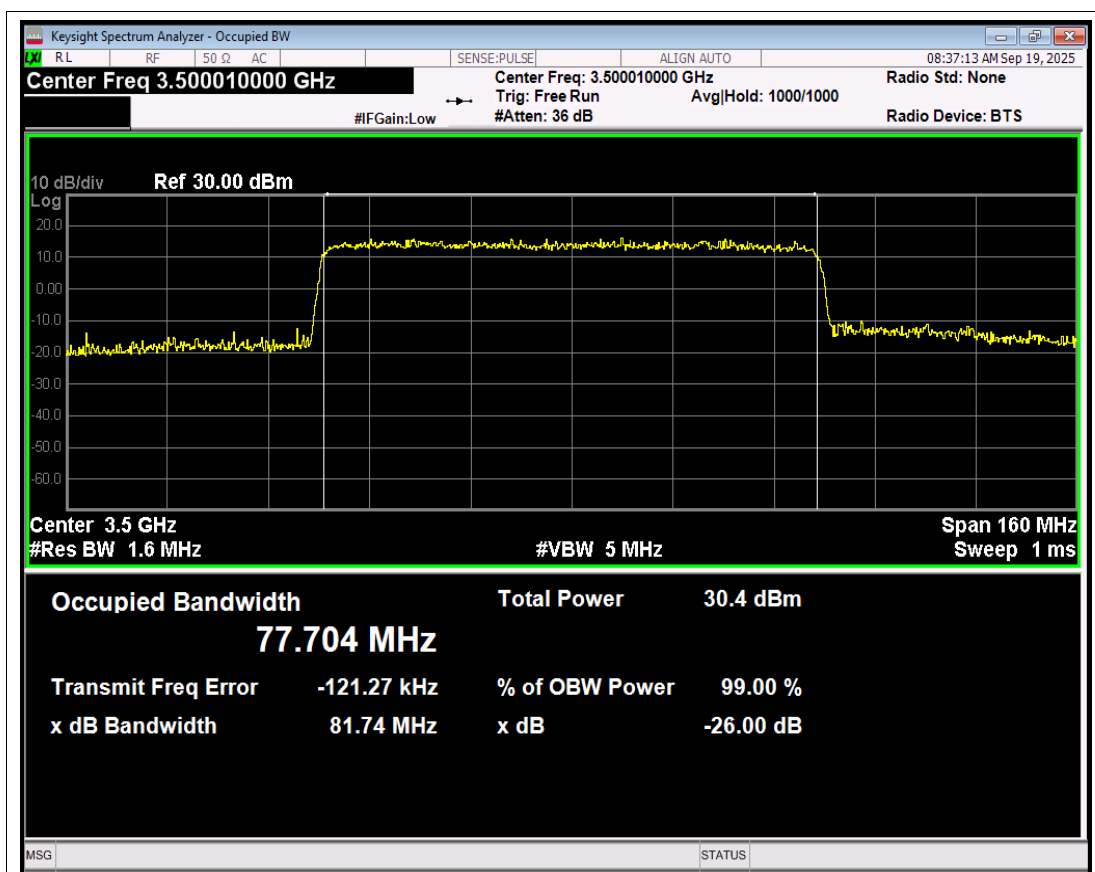
n78(3450-3550) SCS=30kHz DFT_BPSK BW=80MHz Channel=633334 RB=216@0



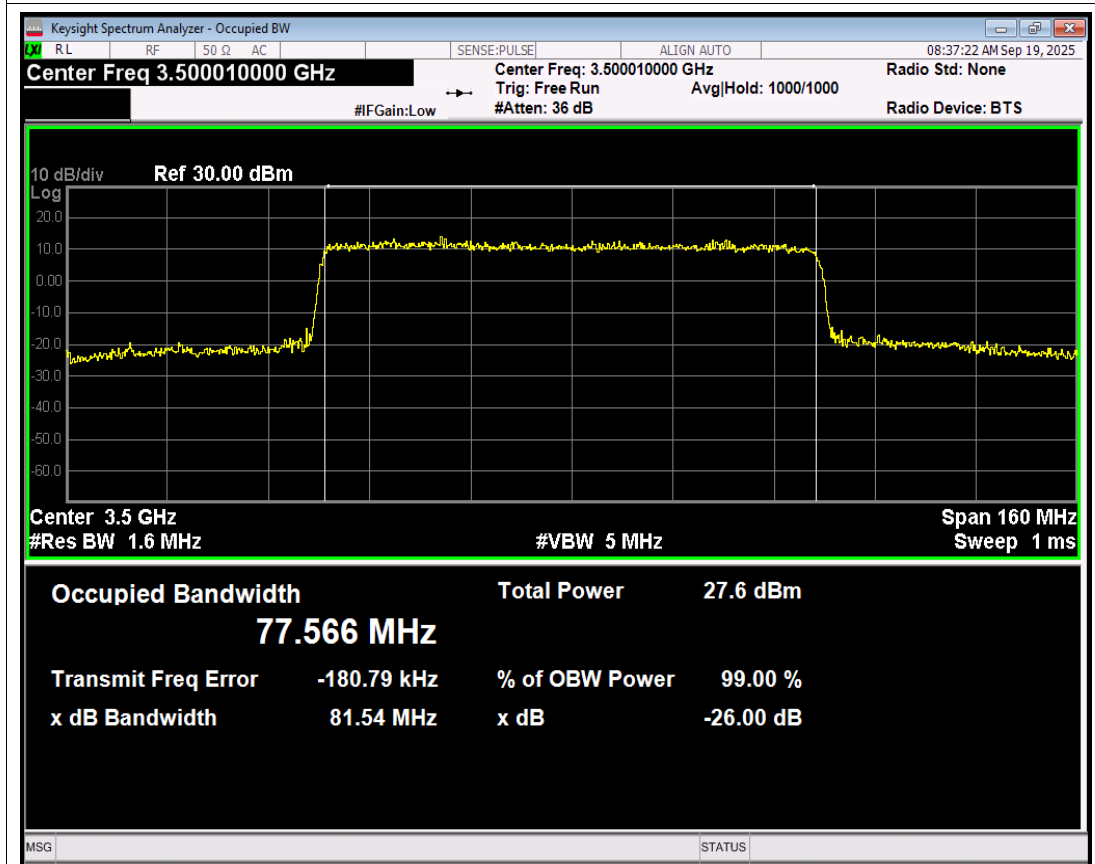
n78(3450-3550) SCS=30kHz CP_QPSK BW=80MHz Channel=633334 RB=217@0



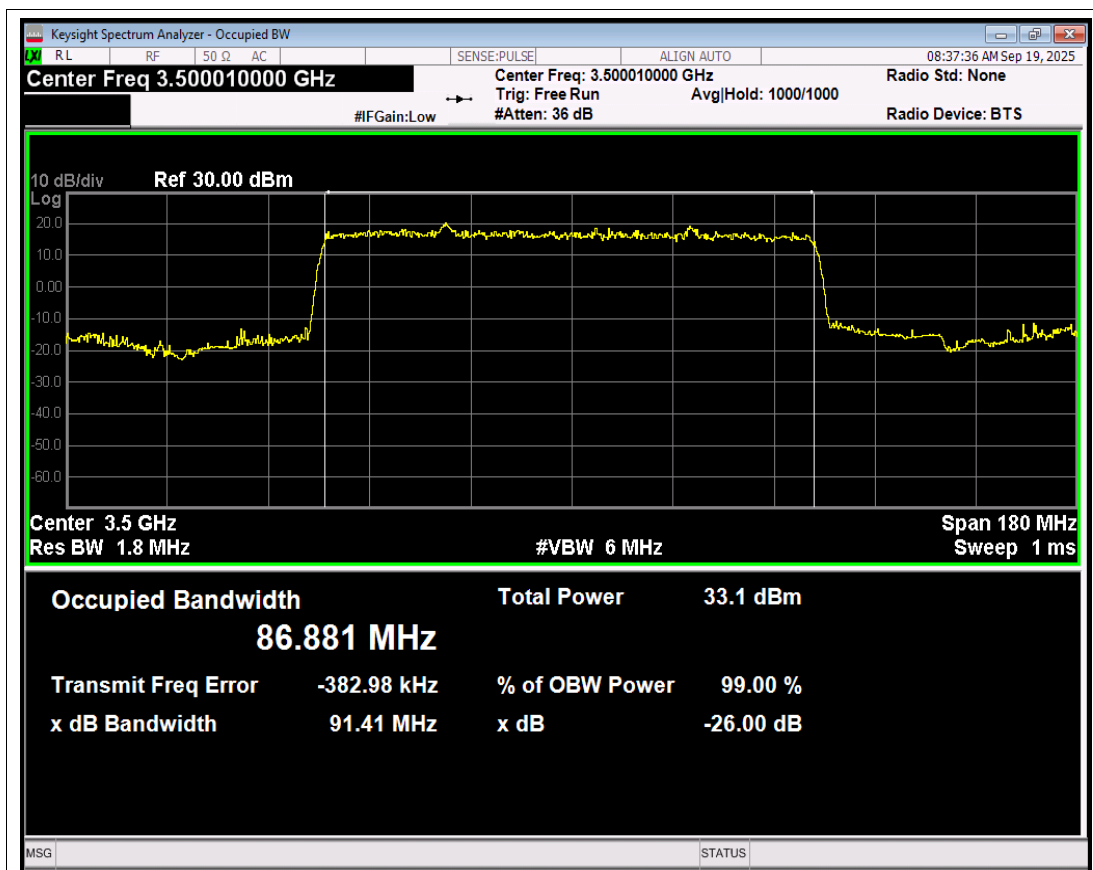
n78(3450-3550) SCS=30kHz CP_16QAM BW=80MHz Channel=633334 RB=217@0



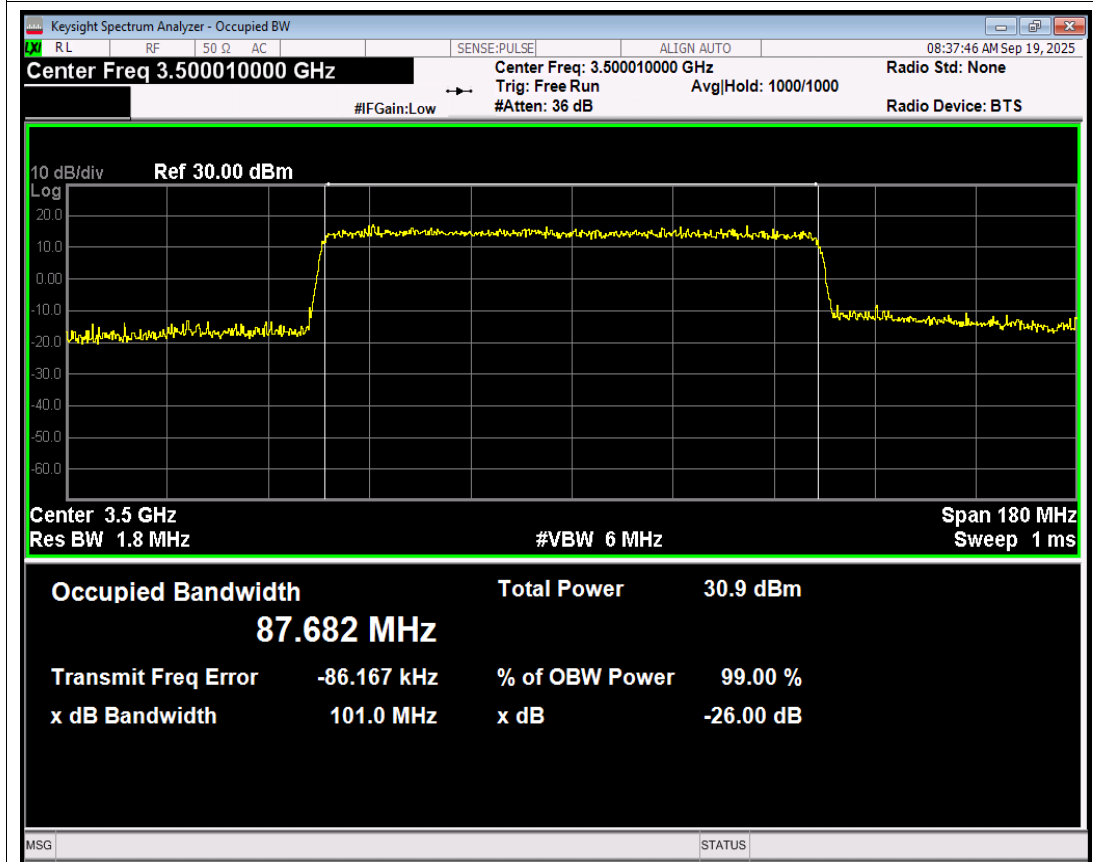
n78(3450-3550) SCS=30kHz CP_64QAM BW=80MHz Channel=633334 RB=217@0



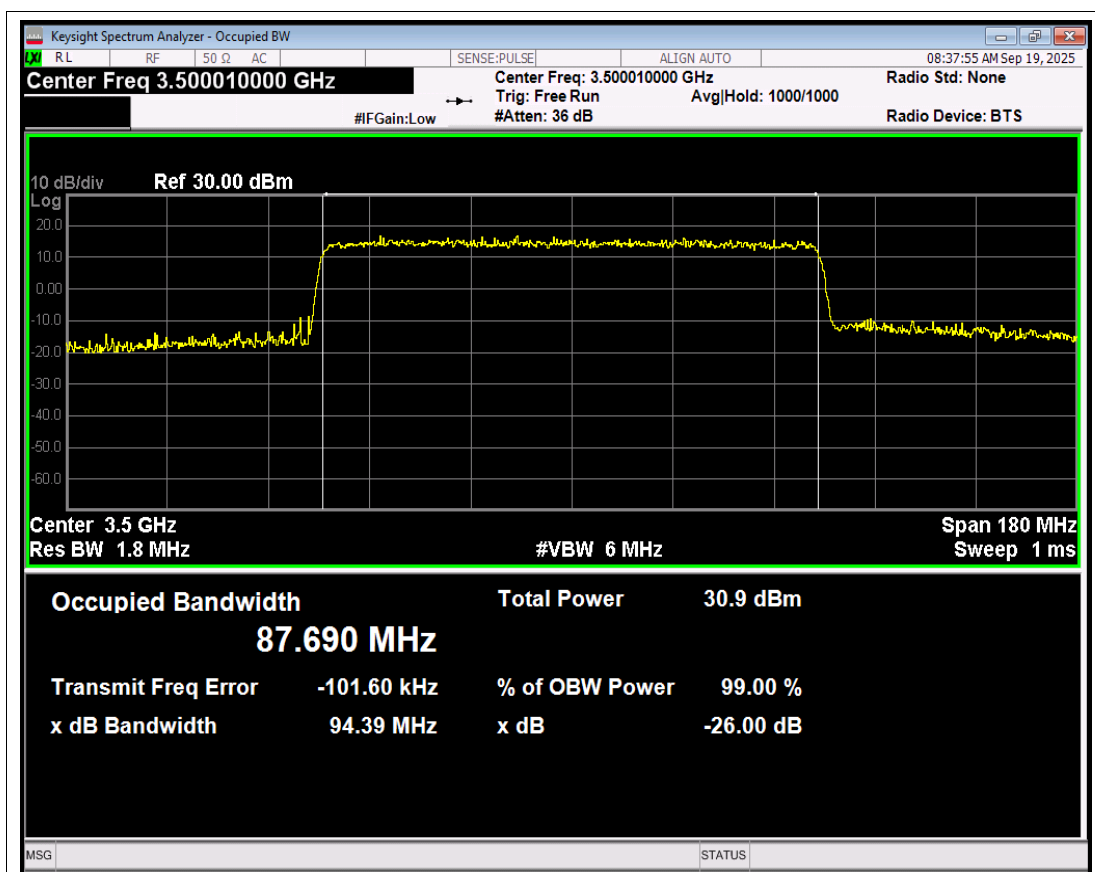
n78(3450-3550) SCS=30kHz CP_256QAM BW=80MHz Channel=633334 RB=217@0



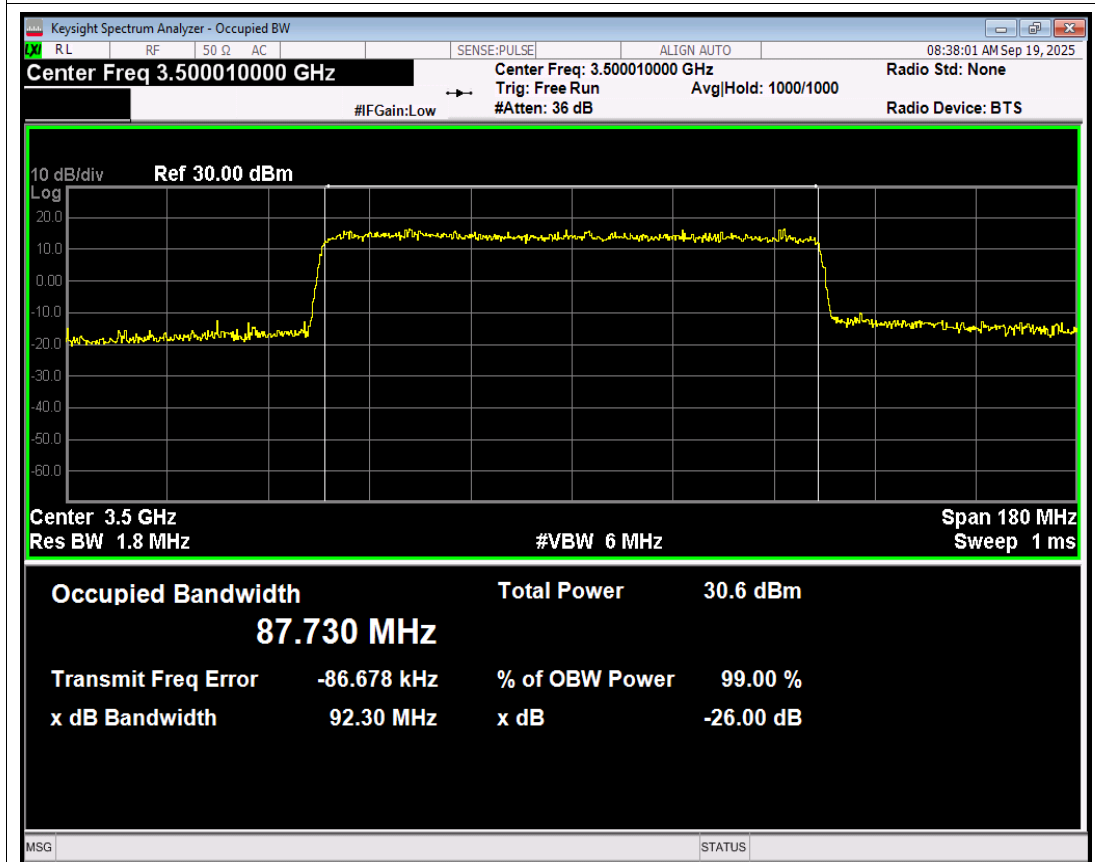
n78(3450-3550) SCS=30kHz DFT_BPSK BW=90MHz Channel=633334 RB=243@0



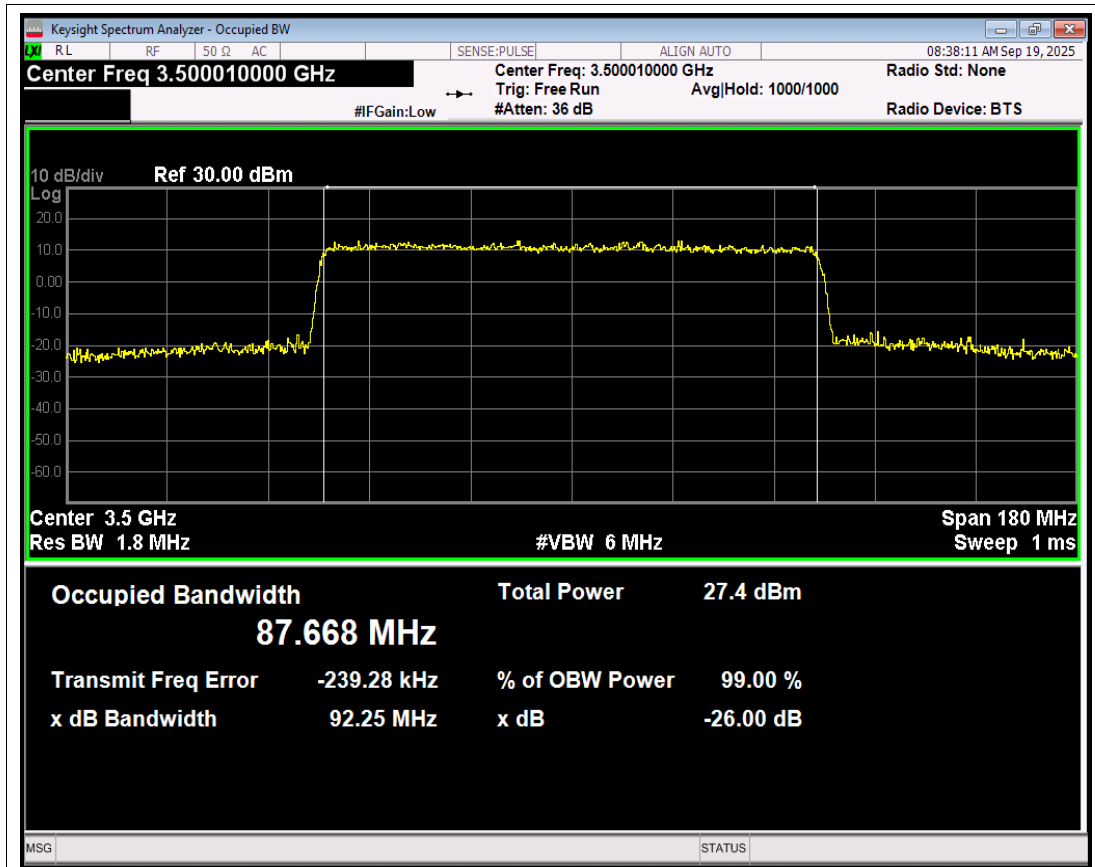
n78(3450-3550) SCS=30kHz CP_QPSK BW=90MHz Channel=633334 RB=245@0



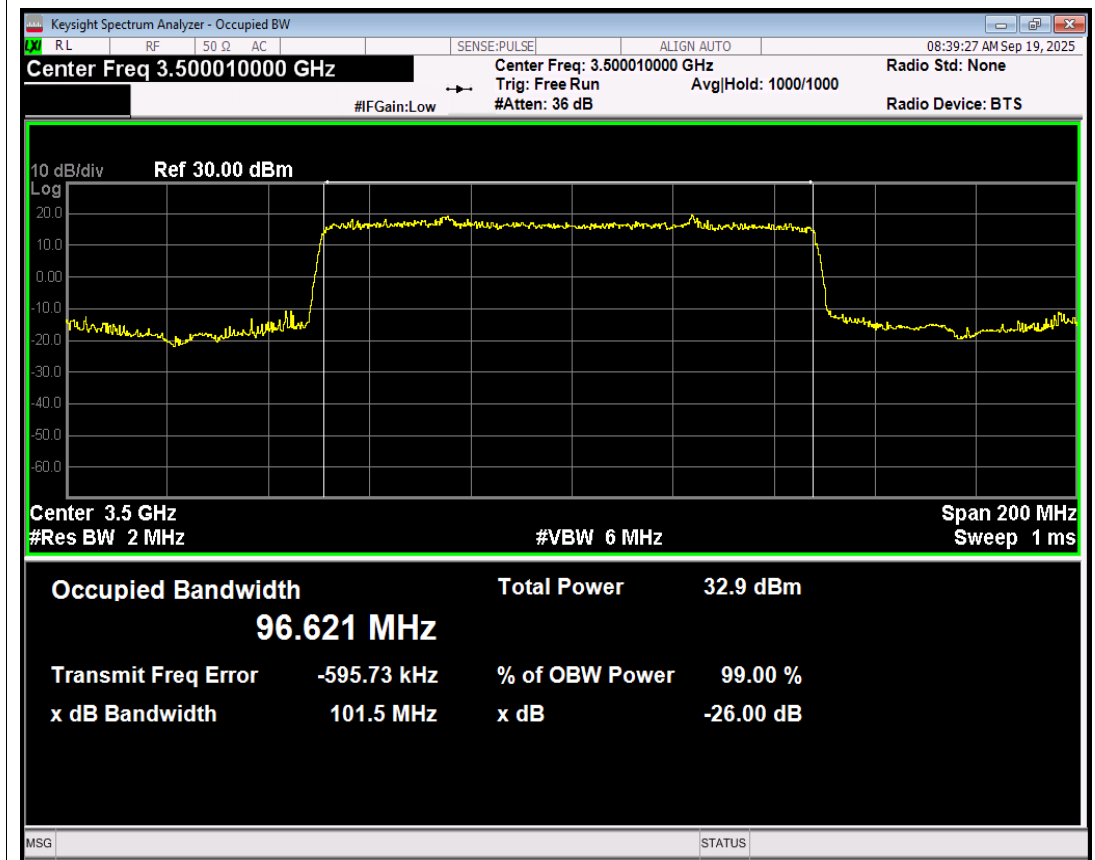
n78(3450-3550) SCS=30kHz CP_16QAM BW=90MHz Channel=633334 RB=245@0



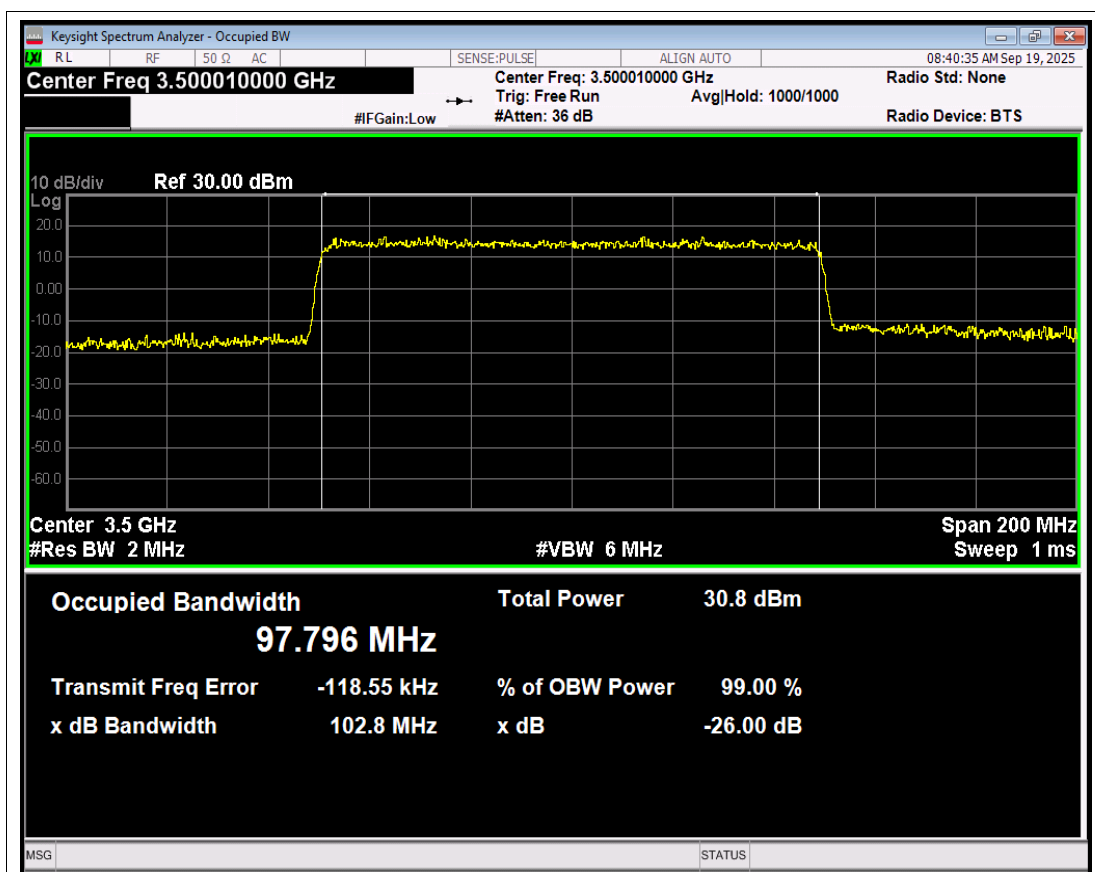
n78(3450-3550) SCS=30kHz CP_64QAM BW=90MHz Channel=633334 RB=245@0



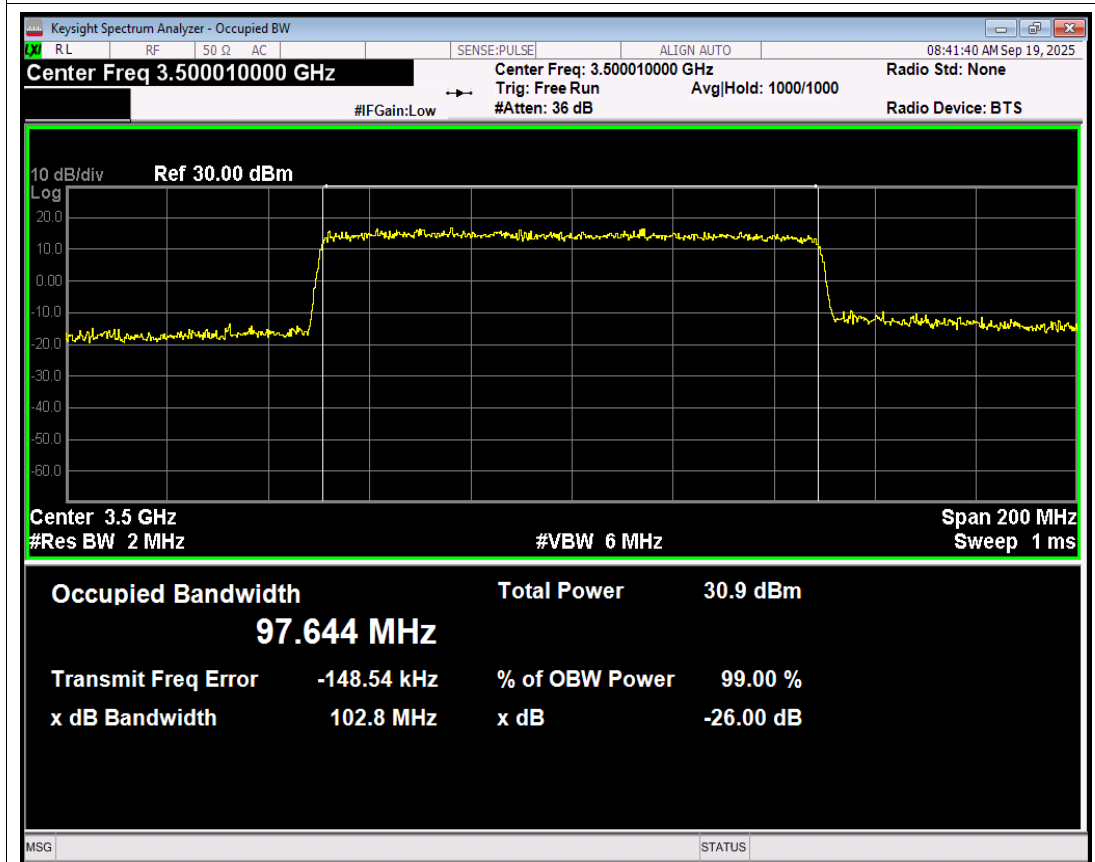
n78(3450-3550) SCS=30kHz CP_256QAM BW=90MHz Channel=633334 RB=245@0



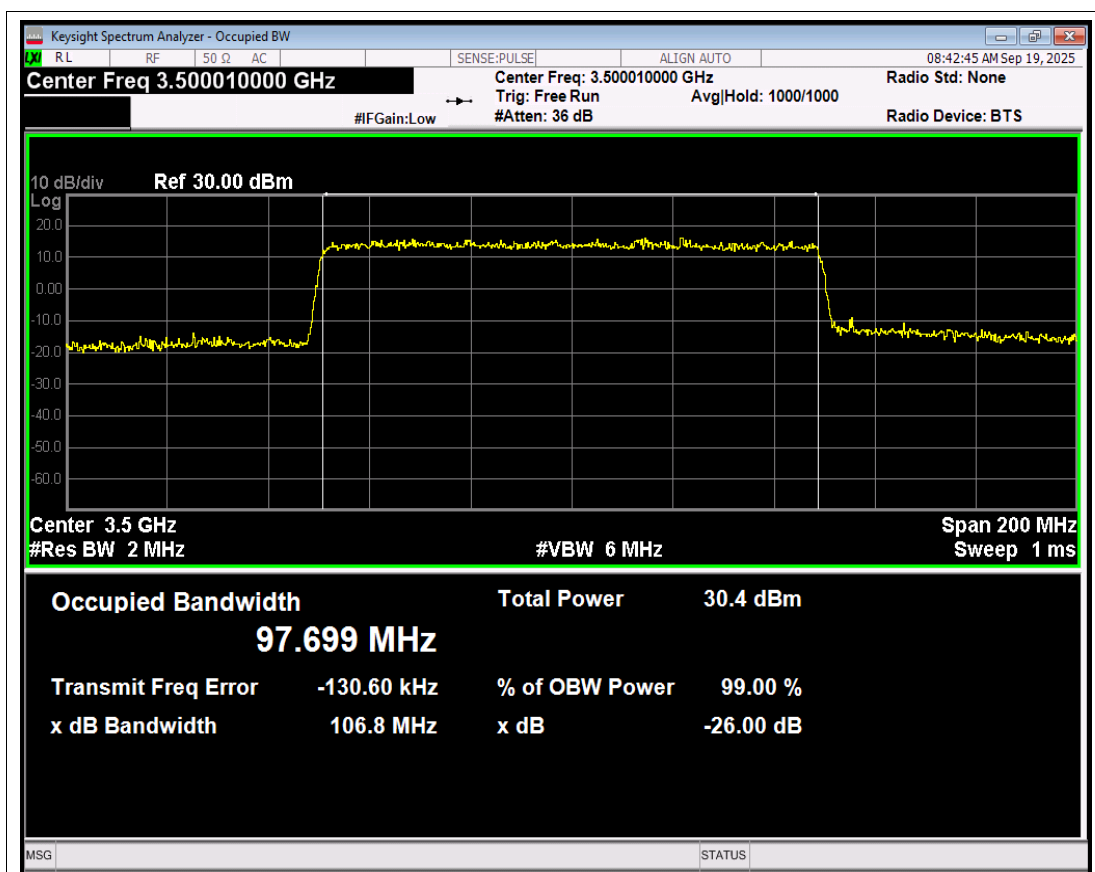
n78(3450-3550) SCS=30kHz DFT_BPSK BW=100MHz Channel=633334 RB=270@0



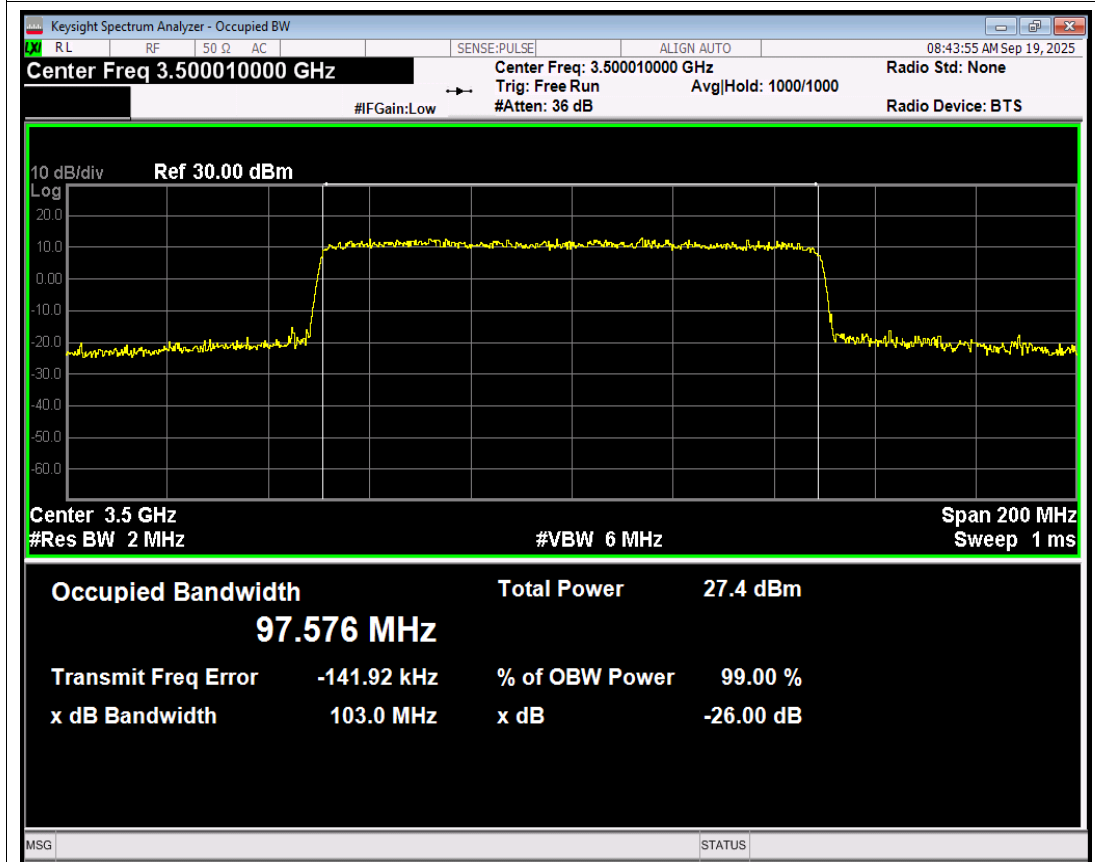
n78(3450-3550) SCS=30kHz CP_QPSK BW=100MHz Channel=633334 RB=273@0



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	3449.92	-26.12	-13	PASS
n78(3450-3550)	30	10	630334	24@0	DFT_BPSK	3448.82	-27.44	-13	PASS
n78(3450-3550)	30	10	630334	1@0	DFT_QPSK	3448.58	-23.71	-13	PASS
n78(3450-3550)	30	10	630334	24@0	DFT_QPSK	3448.71	-27.69	-13	PASS
n78(3450-3550)	30	10	630334	1@0	DFT_16QAM	3449.98	-29.96	-13	PASS
n78(3450-3550)	30	10	630334	24@0	DFT_16QAM	3448.82	-30.04	-13	PASS
n78(3450-3550)	30	10	630334	1@0	DFT_64QAM	3450.00	-29.06	-13	PASS
n78(3450-3550)	30	10	630334	24@0	DFT_64QAM	3448.69	-29.30	-13	PASS
n78(3450-3550)	30	10	630334	1@0	DFT_256QAM	3448.26	-28.71	-13	PASS
n78(3450-3550)	30	10	630334	24@0	DFT_256QAM	3448.92	-32.09	-13	PASS
n78(3450-3550)	30	10	630334	24@0	CP_QPSK	3447.69	-28.60	-13	PASS
n78(3450-3550)	30	10	636332	1@23	DFT_BPSK	3551.20	-24.29	-13	PASS
n78(3450-3550)	30	10	636332	24@0	DFT_BPSK	3551.00	-23.07	-13	PASS
n78(3450-3550)	30	10	636332	1@23	DFT_QPSK	3551.33	-21.77	-13	PASS
n78(3450-3550)	30	10	636332	24@0	DFT_QPSK	3551.81	-22.44	-13	PASS
n78(3450-3550)	30	10	636332	1@23	DFT_16QAM	3551.21	-26.31	-13	PASS
n78(3450-3550)	30	10	636332	24@0	DFT_16QAM	3551.13	-23.04	-13	PASS
n78(3450-3550)	30	10	636332	1@23	DFT_64QAM	3550.04	-30.14	-13	PASS
n78(3450-3550)	30	10	636332	24@0	DFT_64QAM	3551.07	-24.01	-13	PASS
n78(3450-3550)	30	10	636332	1@23	DFT_256QAM	3551.39	-32.08	-13	PASS
n78(3450-3550)	30	10	636332	24@0	DFT_256QAM	3552.03	-28.75	-13	PASS
n78(3450-3550)	30	10	636332	24@0	CP_QPSK	3551.89	-21.79	-13	PASS
n78(3450-3550)	30	15	630500	1@0	DFT_BPSK	3449.99	-22.70	-13	PASS
n78(3450-3550)	30	15	630500	36@0	DFT_BPSK	3444.50	-31.15	-13	PASS
n78(3450-3550)	30	15	630500	1@0	DFT_QPSK	3449.96	-24.02	-13	PASS
n78(3450-3550)	30	15	630500	36@0	DFT_QPSK	3448.22	-29.79	-13	PASS
n78(3450-3550)	30	15	630500	1@0	DFT_16QAM	3449.96	-24.57	-13	PASS
n78(3450-3550)	30	15	630500	36@0	DFT_16QAM	3448.68	-30.93	-13	PASS
n78(3450-3550)	30	15	630500	1@0	DFT_64QAM	3449.98	-24.23	-13	PASS
n78(3450-3550)	30	15	630500	36@0	DFT_64QAM	3444.87	-31.61	-13	PASS
n78(3450-3550)	30	15	630500	1@0	DFT_256QAM	3450.00	-26.18	-13	PASS
n78(3450-3550)	30	15	630500	36@0	DFT_256QAM	3444.98	-34.10	-13	PASS
n78(3450-3550)	30	15	630500	38@0	CP_QPSK	3448.21	-29.52	-13	PASS
n78(3450-3550)	30	15	636166	1@37	DFT_BPSK	3550.06	-24.72	-13	PASS
n78(3450-3550)	30	15	636166	36@0	DFT_BPSK	3555.67	-23.37	-13	PASS
n78(3450-3550)	30	15	636166	1@37	DFT_QPSK	3551.52	-23.80	-13	PASS
n78(3450-3550)	30	15	636166	36@0	DFT_QPSK	3555.27	-23.48	-13	PASS
n78(3450-3550)	30	15	636166	1@37	DFT_16QAM	3550.01	-24.13	-13	PASS

n78(3450-3550)	30	15	636166	36@0	DFT_16QAM	3552.27	-24.89	-13	PASS
n78(3450-3550)	30	15	636166	1@37	DFT_64QAM	3550.02	-25.09	-13	PASS
n78(3450-3550)	30	15	636166	36@0	DFT_64QAM	3557.33	-25.60	-13	PASS
n78(3450-3550)	30	15	636166	1@37	DFT_256QAM	3550.03	-23.63	-13	PASS
n78(3450-3550)	30	15	636166	36@0	DFT_256QAM	3551.05	-30.55	-13	PASS
n78(3450-3550)	30	15	636166	38@0	CP_QPSK	3551.78	-22.28	-13	PASS
n78(3450-3550)	30	20	630668	1@0	DFT_BPSK	3449.99	-22.85	-13	PASS
n78(3450-3550)	30	20	630668	50@0	DFT_BPSK	3442.48	-32.01	-13	PASS
n78(3450-3550)	30	20	630668	1@0	DFT_QPSK	3449.94	-22.20	-13	PASS
n78(3450-3550)	30	20	630668	50@0	DFT_QPSK	3444.19	-31.36	-13	PASS
n78(3450-3550)	30	20	630668	1@0	DFT_16QAM	3449.87	-25.57	-13	PASS
n78(3450-3550)	30	20	630668	50@0	DFT_16QAM	3444.63	-32.52	-13	PASS
n78(3450-3550)	30	20	630668	1@0	DFT_64QAM	3449.97	-24.68	-13	PASS
n78(3450-3550)	30	20	630668	50@0	DFT_64QAM	3444.40	-32.37	-13	PASS
n78(3450-3550)	30	20	630668	1@0	DFT_256QAM	3449.97	-26.26	-13	PASS
n78(3450-3550)	30	20	630668	50@0	DFT_256QAM	3444.52	-35.73	-13	PASS
n78(3450-3550)	30	20	630668	51@0	CP_QPSK	3448.76	-31.45	-13	PASS
n78(3450-3550)	30	20	636000	1@50	DFT_BPSK	3550.06	-21.00	-13	PASS
n78(3450-3550)	30	20	636000	50@0	DFT_BPSK	3557.25	-24.32	-13	PASS
n78(3450-3550)	30	20	636000	1@50	DFT_QPSK	3550.04	-21.57	-13	PASS
n78(3450-3550)	30	20	636000	50@0	DFT_QPSK	3555.27	-23.60	-13	PASS
n78(3450-3550)	30	20	636000	1@50	DFT_16QAM	3550.02	-21.94	-13	PASS
n78(3450-3550)	30	20	636000	50@0	DFT_16QAM	3555.15	-25.37	-13	PASS
n78(3450-3550)	30	20	636000	1@50	DFT_64QAM	3550.08	-23.96	-13	PASS
n78(3450-3550)	30	20	636000	50@0	DFT_64QAM	3555.21	-25.01	-13	PASS
n78(3450-3550)	30	20	636000	1@50	DFT_256QAM	3550.03	-25.01	-13	PASS
n78(3450-3550)	30	20	636000	50@0	DFT_256QAM	3557.12	-30.40	-13	PASS
n78(3450-3550)	30	20	636000	51@0	CP_QPSK	3555.03	-24.05	-13	PASS
n78(3450-3550)	30	40	631334	1@0	DFT_BPSK	3449.96	-24.83	-13	PASS
n78(3450-3550)	30	40	631334	100@0	DFT_BPSK	3448.83	-32.94	-13	PASS
n78(3450-3550)	30	40	631334	1@0	DFT_QPSK	3449.93	-22.69	-13	PASS
n78(3450-3550)	30	40	631334	100@0	DFT_QPSK	3449.43	-33.95	-13	PASS
n78(3450-3550)	30	40	631334	1@0	DFT_16QAM	3449.95	-25.37	-13	PASS
n78(3450-3550)	30	40	631334	100@0	DFT_16QAM	3442.06	-34.78	-13	PASS
n78(3450-3550)	30	40	631334	1@0	DFT_64QAM	3449.91	-24.69	-13	PASS
n78(3450-3550)	30	40	631334	100@0	DFT_64QAM	3444.20	-34.11	-13	PASS
n78(3450-3550)	30	40	631334	1@0	DFT_256QAM	3449.98	-27.11	-13	PASS
n78(3450-3550)	30	40	631334	100@0	DFT_256QAM	3447.87	-37.50	-13	PASS
n78(3450-3550)	30	40	631334	106@0	CP_QPSK	3448.45	-34.93	-13	PASS
n78(3450-3550)	30	40	635332	1@105	DFT_BPSK	3550.00	-22.23	-13	PASS
n78(3450-3550)	30	40	635332	100@0	DFT_BPSK	3566.41	-27.84	-13	PASS
n78(3450-3550)	30	40	635332	1@105	DFT_QPSK	3550.06	-22.53	-13	PASS
n78(3450-3550)	30	40	635332	100@0	DFT_QPSK	3553.83	-25.89	-13	PASS
n78(3450-3550)	30	40	635332	1@105	DFT_16QAM	3550.01	-23.44	-13	PASS

n78(3450-3550)	30	40	635332	100@0	DFT_16QAM	3555.18	-27.75	-13	PASS
n78(3450-3550)	30	40	635332	1@105	DFT_64QAM	3550.04	-23.96	-13	PASS
n78(3450-3550)	30	40	635332	100@0	DFT_64QAM	3552.50	-28.66	-13	PASS
n78(3450-3550)	30	40	635332	1@105	DFT_256QAM	3550.03	-25.86	-13	PASS
n78(3450-3550)	30	40	635332	100@0	DFT_256QAM	3556.16	-33.36	-13	PASS
n78(3450-3550)	30	40	635332	106@0	CP_QPSK	3551.27	-26.96	-13	PASS
n78(3450-3550)	30	50	631668	1@0	DFT_BPSK	3449.92	-24.51	-13	PASS
n78(3450-3550)	30	50	631668	128@0	DFT_BPSK	3445.36	-32.49	-13	PASS
n78(3450-3550)	30	50	631668	1@0	DFT_QPSK	3449.94	-23.64	-13	PASS
n78(3450-3550)	30	50	631668	128@0	DFT_QPSK	3447.60	-31.58	-13	PASS
n78(3450-3550)	30	50	631668	1@0	DFT_16QAM	3449.99	-25.07	-13	PASS
n78(3450-3550)	30	50	631668	128@0	DFT_16QAM	3444.28	-31.71	-13	PASS
n78(3450-3550)	30	50	631668	1@0	DFT_64QAM	3449.98	-24.15	-13	PASS
n78(3450-3550)	30	50	631668	128@0	DFT_64QAM	3445.59	-34.08	-13	PASS
n78(3450-3550)	30	50	631668	1@0	DFT_256QAM	3449.96	-25.98	-13	PASS
n78(3450-3550)	30	50	631668	128@0	DFT_256QAM	3441.81	-35.86	-13	PASS
n78(3450-3550)	30	50	631668	133@0	CP_QPSK	3444.96	-34.20	-13	PASS
n78(3450-3550)	30	50	635000	1@132	DFT_BPSK	3550.01	-21.11	-13	PASS
n78(3450-3550)	30	50	635000	128@0	DFT_BPSK	3553.96	-24.35	-13	PASS
n78(3450-3550)	30	50	635000	1@132	DFT_QPSK	3550.18	-23.24	-13	PASS
n78(3450-3550)	30	50	635000	128@0	DFT_QPSK	3555.41	-24.62	-13	PASS
n78(3450-3550)	30	50	635000	1@132	DFT_16QAM	3550.11	-21.30	-13	PASS
n78(3450-3550)	30	50	635000	128@0	DFT_16QAM	3555.27	-27.05	-13	PASS
n78(3450-3550)	30	50	635000	1@132	DFT_64QAM	3550.09	-23.25	-13	PASS
n78(3450-3550)	30	50	635000	128@0	DFT_64QAM	3553.49	-27.96	-13	PASS
n78(3450-3550)	30	50	635000	1@132	DFT_256QAM	3550.15	-26.77	-13	PASS
n78(3450-3550)	30	50	635000	128@0	DFT_256QAM	3553.59	-31.63	-13	PASS
n78(3450-3550)	30	50	635000	133@0	CP_QPSK	3556.40	-26.97	-13	PASS
n78(3450-3550)	30	60	632000	1@0	DFT_BPSK	3449.90	-22.79	-13	PASS
n78(3450-3550)	30	60	632000	162@0	DFT_BPSK	3447.24	-31.36	-13	PASS
n78(3450-3550)	30	60	632000	1@0	DFT_QPSK	3449.96	-23.43	-13	PASS
n78(3450-3550)	30	60	632000	162@0	DFT_QPSK	3448.35	-31.12	-13	PASS
n78(3450-3550)	30	60	632000	1@0	DFT_16QAM	3449.93	-22.04	-13	PASS
n78(3450-3550)	30	60	632000	162@0	DFT_16QAM	3447.52	-34.21	-13	PASS
n78(3450-3550)	30	60	632000	1@0	DFT_64QAM	3449.97	-22.13	-13	PASS
n78(3450-3550)	30	60	632000	162@0	DFT_64QAM	3447.48	-33.80	-13	PASS
n78(3450-3550)	30	60	632000	1@0	DFT_256QAM	3449.97	-26.51	-13	PASS
n78(3450-3550)	30	60	632000	162@0	DFT_256QAM	3448.67	-36.74	-13	PASS
n78(3450-3550)	30	60	632000	162@0	CP_QPSK	3448.74	-34.96	-13	PASS
n78(3450-3550)	30	60	634666	1@161	DFT_BPSK	3550.05	-21.83	-13	PASS
n78(3450-3550)	30	60	634666	162@0	DFT_BPSK	3552.04	-27.22	-13	PASS
n78(3450-3550)	30	60	634666	1@161	DFT_QPSK	3550.01	-23.02	-13	PASS
n78(3450-3550)	30	60	634666	162@0	DFT_QPSK	3552.05	-26.56	-13	PASS
n78(3450-3550)	30	60	634666	1@161	DFT_16QAM	3550.12	-22.72	-13	PASS

n78(3450-3550)	30	60	634666	162@0	DFT_16QAM	3551.18	-28.41	-13	PASS
n78(3450-3550)	30	60	634666	1@161	DFT_64QAM	3550.16	-23.27	-13	PASS
n78(3450-3550)	30	60	634666	162@0	DFT_64QAM	3561.00	-29.23	-13	PASS
n78(3450-3550)	30	60	634666	1@161	DFT_256QAM	3550.00	-23.53	-13	PASS
n78(3450-3550)	30	60	634666	162@0	DFT_256QAM	3552.54	-33.37	-13	PASS
n78(3450-3550)	30	60	634666	162@0	CP_QPSK	3556.98	-27.65	-13	PASS
n78(3450-3550)	30	70	632334	1@0	DFT_BPSK	3449.96	-20.85	-13	PASS
n78(3450-3550)	30	70	632334	180@0	DFT_BPSK	3444.81	-33.56	-13	PASS
n78(3450-3550)	30	70	632334	1@0	DFT_QPSK	3449.95	-21.58	-13	PASS
n78(3450-3550)	30	70	632334	180@0	DFT_QPSK	3446.68	-33.94	-13	PASS
n78(3450-3550)	30	70	632334	1@0	DFT_16QAM	3450.00	-23.90	-13	PASS
n78(3450-3550)	30	70	632334	180@0	DFT_16QAM	3441.36	-33.81	-13	PASS
n78(3450-3550)	30	70	632334	1@0	DFT_64QAM	3449.99	-23.54	-13	PASS
n78(3450-3550)	30	70	632334	180@0	DFT_64QAM	3444.61	-34.21	-13	PASS
n78(3450-3550)	30	70	632334	1@0	DFT_256QAM	3449.96	-24.31	-13	PASS
n78(3450-3550)	30	70	632334	180@0	DFT_256QAM	3444.61	-36.44	-13	PASS
n78(3450-3550)	30	70	632334	189@0	CP_QPSK	3444.87	-34.80	-13	PASS
n78(3450-3550)	30	70	634332	1@188	DFT_BPSK	3550.03	-24.04	-13	PASS
n78(3450-3550)	30	70	634332	180@0	DFT_BPSK	3551.26	-28.51	-13	PASS
n78(3450-3550)	30	70	634332	1@188	DFT_QPSK	3550.02	-20.93	-13	PASS
n78(3450-3550)	30	70	634332	180@0	DFT_QPSK	3551.17	-28.38	-13	PASS
n78(3450-3550)	30	70	634332	1@188	DFT_16QAM	3550.04	-22.30	-13	PASS
n78(3450-3550)	30	70	634332	180@0	DFT_16QAM	3566.77	-29.89	-13	PASS
n78(3450-3550)	30	70	634332	1@188	DFT_64QAM	3550.04	-21.99	-13	PASS
n78(3450-3550)	30	70	634332	180@0	DFT_64QAM	3556.50	-30.30	-13	PASS
n78(3450-3550)	30	70	634332	1@188	DFT_256QAM	3550.02	-22.63	-13	PASS
n78(3450-3550)	30	70	634332	180@0	DFT_256QAM	3551.61	-35.52	-13	PASS
n78(3450-3550)	30	70	634332	189@0	CP_QPSK	3551.61	-29.33	-13	PASS
n78(3450-3550)	30	80	632668	1@0	DFT_BPSK	3449.90	-24.06	-13	PASS
n78(3450-3550)	30	80	632668	216@0	DFT_BPSK	3428.88	-33.16	-13	PASS
n78(3450-3550)	30	80	632668	1@0	DFT_QPSK	3449.99	-24.77	-13	PASS
n78(3450-3550)	30	80	632668	216@0	DFT_QPSK	3444.85	-32.63	-13	PASS
n78(3450-3550)	30	80	632668	1@0	DFT_16QAM	3449.99	-24.29	-13	PASS
n78(3450-3550)	30	80	632668	216@0	DFT_16QAM	3433.83	-33.83	-13	PASS
n78(3450-3550)	30	80	632668	1@0	DFT_64QAM	3449.95	-25.54	-13	PASS
n78(3450-3550)	30	80	632668	216@0	DFT_64QAM	3434.35	-34.66	-13	PASS
n78(3450-3550)	30	80	632668	1@0	DFT_256QAM	3449.91	-27.39	-13	PASS
n78(3450-3550)	30	80	632668	216@0	DFT_256QAM	3433.98	-36.49	-13	PASS
n78(3450-3550)	30	80	632668	217@0	CP_QPSK	3429.77	-35.18	-13	PASS
n78(3450-3550)	30	80	634000	1@216	DFT_BPSK	3550.07	-22.67	-13	PASS
n78(3450-3550)	30	80	634000	216@0	DFT_BPSK	3553.17	-29.19	-13	PASS
n78(3450-3550)	30	80	634000	1@216	DFT_QPSK	3550.05	-22.58	-13	PASS
n78(3450-3550)	30	80	634000	216@0	DFT_QPSK	3567.30	-28.89	-13	PASS
n78(3450-3550)	30	80	634000	1@216	DFT_16QAM	3550.01	-22.47	-13	PASS