

1 Conducted output power for NR FR1

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Power (dBm)	Gain (dBm)	EIRP (dBm)	EIRP Limit (dBm)	Verdict
n78(3450-3550)	30	70	632334	90@45	DFT_BPSK	26.74	-3.6	23.14	30	PASS
n78(3450-3550)	30	70	632334	1@1	DFT_BPSK	26.28	-3.6	22.68	30	PASS
n78(3450-3550)	30	70	632334	1@187	DFT_BPSK	25.98	-3.6	22.38	30	PASS
n78(3450-3550)	30	70	632334	90@45	DFT_QPSK	26.71	-3.6	23.11	30	PASS
n78(3450-3550)	30	70	632334	1@1	DFT_QPSK	25.99	-3.6	22.39	30	PASS
n78(3450-3550)	30	70	632334	1@187	DFT_QPSK	25.87	-3.6	22.27	30	PASS
n78(3450-3550)	30	70	632334	90@45	DFT_QAM16	25.68	-3.6	22.08	30	PASS
n78(3450-3550)	30	70	632334	1@1	DFT_QAM16	25.46	-3.6	21.86	30	PASS
n78(3450-3550)	30	70	632334	1@187	DFT_QAM16	25.01	-3.6	21.41	30	PASS
n78(3450-3550)	30	70	632334	90@45	DFT_QAM64	24.22	-3.6	20.62	30	PASS
n78(3450-3550)	30	70	632334	1@1	DFT_QAM64	23.80	-3.6	20.20	30	PASS
n78(3450-3550)	30	70	632334	1@187	DFT_QAM64	23.59	-3.6	19.99	30	PASS
n78(3450-3550)	30	70	632334	90@45	DFT_QAM256	22.29	-3.6	18.69	30	PASS
n78(3450-3550)	30	70	632334	1@1	DFT_QAM256	22.12	-3.6	18.52	30	PASS
n78(3450-3550)	30	70	632334	1@187	DFT_QAM256	21.58	-3.6	17.98	30	PASS
n78(3450-3550)	30	70	632334	95@47	CP_QPSK	25.11	-3.6	21.51	30	PASS
n78(3450-3550)	30	70	632334	1@1	CP_QPSK	24.71	-3.6	21.11	30	PASS
n78(3450-3550)	30	70	632334	1@187	CP_QPSK	24.53	-3.6	20.93	30	PASS
n78(3450-3550)	30	70	632334	95@47	CP_QAM16	24.73	-3.6	21.13	30	PASS
n78(3450-3550)	30	70	632334	1@1	CP_QAM16	24.03	-3.6	20.43	30	PASS
n78(3450-3550)	30	70	632334	1@187	CP_QAM16	23.72	-3.6	20.12	30	PASS
n78(3450-3550)	30	70	632334	95@47	CP_QAM64	23.14	-3.6	19.54	30	PASS
n78(3450-3550)	30	70	632334	1@1	CP_QAM64	22.70	-3.6	19.10	30	PASS
n78(3450-3550)	30	70	632334	1@187	CP_QAM64	22.70	-3.6	19.10	30	PASS
n78(3450-3550)	30	70	632334	95@47	CP_QAM256	20.40	-3.6	16.80	30	PASS
n78(3450-3550)	30	70	632334	1@1	CP_QAM256	20.07	-3.6	16.47	30	PASS
n78(3450-3550)	30	70	632334	1@187	CP_QAM256	19.87	-3.6	16.27	30	PASS
n78(3450-3550)	30	70	633334	90@45	DFT_BPSK	26.51	-3.6	22.91	30	PASS
n78(3450-3550)	30	70	633334	1@1	DFT_BPSK	26.42	-3.6	22.82	30	PASS
n78(3450-3550)	30	70	633334	1@187	DFT_BPSK	25.79	-3.6	22.19	30	PASS
n78(3450-3550)	30	70	633334	90@45	DFT_QPSK	26.43	-3.6	22.83	30	PASS
n78(3450-3550)	30	70	633334	1@1	DFT_QPSK	26.21	-3.6	22.61	30	PASS
n78(3450-3550)	30	70	633334	1@187	DFT_QPSK	25.58	-3.6	21.98	30	PASS
n78(3450-3550)	30	70	633334	90@45	DFT_QAM16	25.48	-3.6	21.88	30	PASS
n78(3450-3550)	30	70	633334	1@1	DFT_QAM16	25.55	-3.6	21.95	30	PASS
n78(3450-3550)	30	70	633334	1@187	DFT_QAM16	24.80	-3.6	21.20	30	PASS
n78(3450-3550)	30	70	633334	90@45	DFT_QAM64	23.92	-3.6	20.32	30	PASS
n78(3450-3550)	30	70	633334	1@1	DFT_QAM64	23.92	-3.6	20.32	30	PASS

n78(3450-3550)	30	70	633334	1@187	DFT_QAM64	23.29	-3.6	19.69	30	PASS
n78(3450-3550)	30	70	633334	90@45	DFT_QAM256	21.93	-3.6	18.33	30	PASS
n78(3450-3550)	30	70	633334	1@1	DFT_QAM256	21.97	-3.6	18.37	30	PASS
n78(3450-3550)	30	70	633334	1@187	DFT_QAM256	21.38	-3.6	17.78	30	PASS
n78(3450-3550)	30	70	633334	95@47	CP_QPSK	24.90	-3.6	21.30	30	PASS
n78(3450-3550)	30	70	633334	1@1	CP_QPSK	24.94	-3.6	21.34	30	PASS
n78(3450-3550)	30	70	633334	1@187	CP_QPSK	24.24	-3.6	20.64	30	PASS
n78(3450-3550)	30	70	633334	95@47	CP_QAM16	24.41	-3.6	20.81	30	PASS
n78(3450-3550)	30	70	633334	1@1	CP_QAM16	24.23	-3.6	20.63	30	PASS
n78(3450-3550)	30	70	633334	1@187	CP_QAM16	24.01	-3.6	20.41	30	PASS
n78(3450-3550)	30	70	633334	95@47	CP_QAM64	23.00	-3.6	19.40	30	PASS
n78(3450-3550)	30	70	633334	1@1	CP_QAM64	23.03	-3.6	19.43	30	PASS
n78(3450-3550)	30	70	633334	1@187	CP_QAM64	22.31	-3.6	18.71	30	PASS
n78(3450-3550)	30	70	633334	95@47	CP_QAM256	20.11	-3.6	16.51	30	PASS
n78(3450-3550)	30	70	633334	1@1	CP_QAM256	20.20	-3.6	16.60	30	PASS
n78(3450-3550)	30	70	633334	1@187	CP_QAM256	19.62	-3.6	16.02	30	PASS
n78(3450-3550)	30	70	634332	90@45	DFT_BPSK	26.45	-3.6	22.85	30	PASS
n78(3450-3550)	30	70	634332	1@1	DFT_BPSK	26.38	-3.6	22.78	30	PASS
n78(3450-3550)	30	70	634332	1@187	DFT_BPSK	26.17	-3.6	22.57	30	PASS
n78(3450-3550)	30	70	634332	90@45	DFT_QPSK	26.46	-3.6	22.86	30	PASS
n78(3450-3550)	30	70	634332	1@1	DFT_QPSK	26.21	-3.6	22.61	30	PASS
n78(3450-3550)	30	70	634332	1@187	DFT_QPSK	26.02	-3.6	22.42	30	PASS
n78(3450-3550)	30	70	634332	90@45	DFT_QAM16	25.38	-3.6	21.78	30	PASS
n78(3450-3550)	30	70	634332	1@1	DFT_QAM16	25.38	-3.6	21.78	30	PASS
n78(3450-3550)	30	70	634332	1@187	DFT_QAM16	25.24	-3.6	21.64	30	PASS
n78(3450-3550)	30	70	634332	90@45	DFT_QAM64	23.85	-3.6	20.25	30	PASS
n78(3450-3550)	30	70	634332	1@1	DFT_QAM64	23.77	-3.6	20.17	30	PASS
n78(3450-3550)	30	70	634332	1@187	DFT_QAM64	23.68	-3.6	20.08	30	PASS
n78(3450-3550)	30	70	634332	90@45	DFT_QAM256	21.94	-3.6	18.34	30	PASS
n78(3450-3550)	30	70	634332	1@1	DFT_QAM256	21.90	-3.6	18.30	30	PASS
n78(3450-3550)	30	70	634332	1@187	DFT_QAM256	21.82	-3.6	18.22	30	PASS
n78(3450-3550)	30	70	634332	95@47	CP_QPSK	24.88	-3.6	21.28	30	PASS
n78(3450-3550)	30	70	634332	1@1	CP_QPSK	24.85	-3.6	21.25	30	PASS
n78(3450-3550)	30	70	634332	1@187	CP_QPSK	24.55	-3.6	20.95	30	PASS
n78(3450-3550)	30	70	634332	95@47	CP_QAM16	24.34	-3.6	20.74	30	PASS
n78(3450-3550)	30	70	634332	1@1	CP_QAM16	24.13	-3.6	20.53	30	PASS
n78(3450-3550)	30	70	634332	1@187	CP_QAM16	24.38	-3.6	20.78	30	PASS
n78(3450-3550)	30	70	634332	95@47	CP_QAM64	22.90	-3.6	19.30	30	PASS
n78(3450-3550)	30	70	634332	1@1	CP_QAM64	22.98	-3.6	19.38	30	PASS
n78(3450-3550)	30	70	634332	1@187	CP_QAM64	22.81	-3.6	19.21	30	PASS
n78(3450-3550)	30	70	634332	95@47	CP_QAM256	20.05	-3.6	16.45	30	PASS
n78(3450-3550)	30	70	634332	1@1	CP_QAM256	20.18	-3.6	16.58	30	PASS
n78(3450-3550)	30	70	634332	1@187	CP_QAM256	20.05	-3.6	16.45	30	PASS

2 Frequency stability for NR FR1

NT:

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Voltage (Vdc)	Result(Hz)	Result (ppm)	Limit (ppm)	Verdict
n78(3450-3550)	30	70	633334	90@45	DFT_BPSK	3.87	-27.85	-0.01	Within authorized band for 5G NR n77	PASS
n78(3450-3550)	30	70	633334	90@45	DFT_BPSK	3.45	-30.95	-0.01		PASS
n78(3450-3550)	30	70	633334	90@45	DFT_BPSK	4.45	-30.56	-0.01		PASS
n78(3450-3550)	30	70	633334	90@45	DFT_QPSK	3.87	-31.74	-0.01		PASS
n78(3450-3550)	30	70	633334	90@45	DFT_QPSK	3.45	-33.64	-0.01		PASS
n78(3450-3550)	30	70	633334	90@45	DFT_QPSK	4.45	-32.39	-0.01		PASS

Note: Only the worst case shown in the report.

NV:

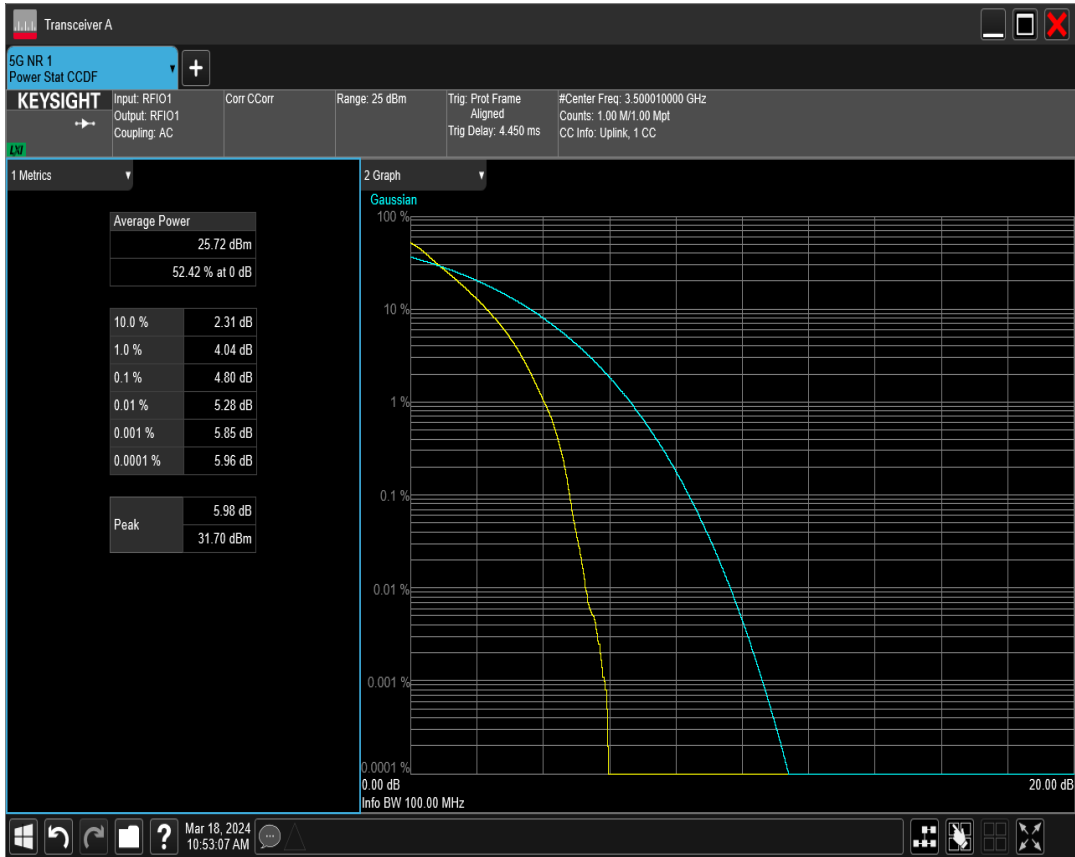
Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Voltage (Vdc)	Result(Hz)	Result (ppm)	Limit (ppm)	Verdict
n78(3450-3550)	30	70	633334	90@45	DFT_BPSK	-30	-34.17	-0.01	Within authorized band for 5G NR n78	PASS
n78(3450-3550)	30	70	633334	90@45	DFT_BPSK	-20	-31.35	-0.01		PASS
n78(3450-3550)	30	70	633334	90@45	DFT_BPSK	-10	-33.09	-0.01		PASS
n78(3450-3550)	30	70	633334	90@45	DFT_BPSK	0	-31.89	-0.01		PASS
n78(3450-3550)	30	70	633334	90@45	DFT_BPSK	10	-30.14	-0.01		PASS
n78(3450-3550)	30	70	633334	90@45	DFT_BPSK	20	-31.57	-0.01		PASS
n78(3450-3550)	30	70	633334	90@45	DFT_BPSK	30	-36.93	-0.01		PASS
n78(3450-3550)	30	70	633334	90@45	DFT_BPSK	40	-34.24	-0.01		PASS
n78(3450-3550)	30	70	633334	90@45	DFT_BPSK	50	-30.76	-0.01		PASS
n78(3450-3550)	30	70	633334	90@45	DFT_QPSK	-30	-32.81	-0.01		PASS
n78(3450-3550)	30	70	633334	90@45	DFT_QPSK	-20	-35.02	-0.01		PASS
n78(3450-3550)	30	70	633334	90@45	DFT_QPSK	-10	-33.74	-0.01		PASS
n78(3450-3550)	30	70	633334	90@45	DFT_QPSK	0	-31.41	-0.01		PASS
n78(3450-3550)	30	70	633334	90@45	DFT_QPSK	10	-35.2	-0.01		PASS
n78(3450-3550)	30	70	633334	90@45	DFT_QPSK	20	-30.5	-0.01		PASS
n78(3450-3550)	30	70	633334	90@45	DFT_QPSK	30	-34.43	-0.01		PASS
n78(3450-3550)	30	70	633334	90@45	DFT_QPSK	40	-32.45	-0.01		PASS
n78(3450-3550)	30	70	633334	90@45	DFT_QPSK	50	-35.62	-0.01		PASS

Note: Only the worst case shown in the report.

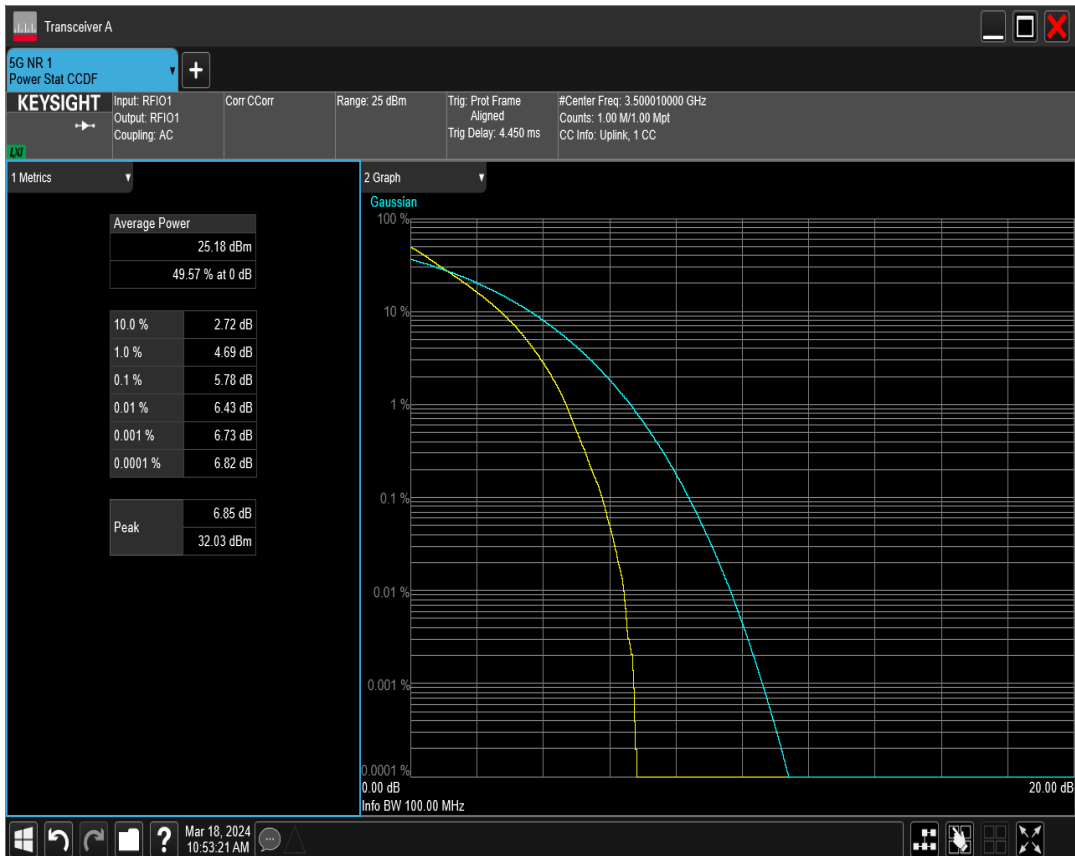
3 Peak-to-Average Ratio for NR FR1

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Result (dB)	high Limit (dB)	Verdict
n78(3450-3550)	30	70	633334	180@0	DFT_BPSK	4.80	13	PASS
n78(3450-3550)	30	70	633334	180@0	DFT_QPSK	5.78	13	PASS
n78(3450-3550)	30	70	633334	180@0	DFT_QAM16	6.51	13	PASS
n78(3450-3550)	30	70	633334	180@0	DFT_QAM64	6.83	13	PASS
n78(3450-3550)	30	70	633334	180@0	DFT_QAM256	7.15	13	PASS

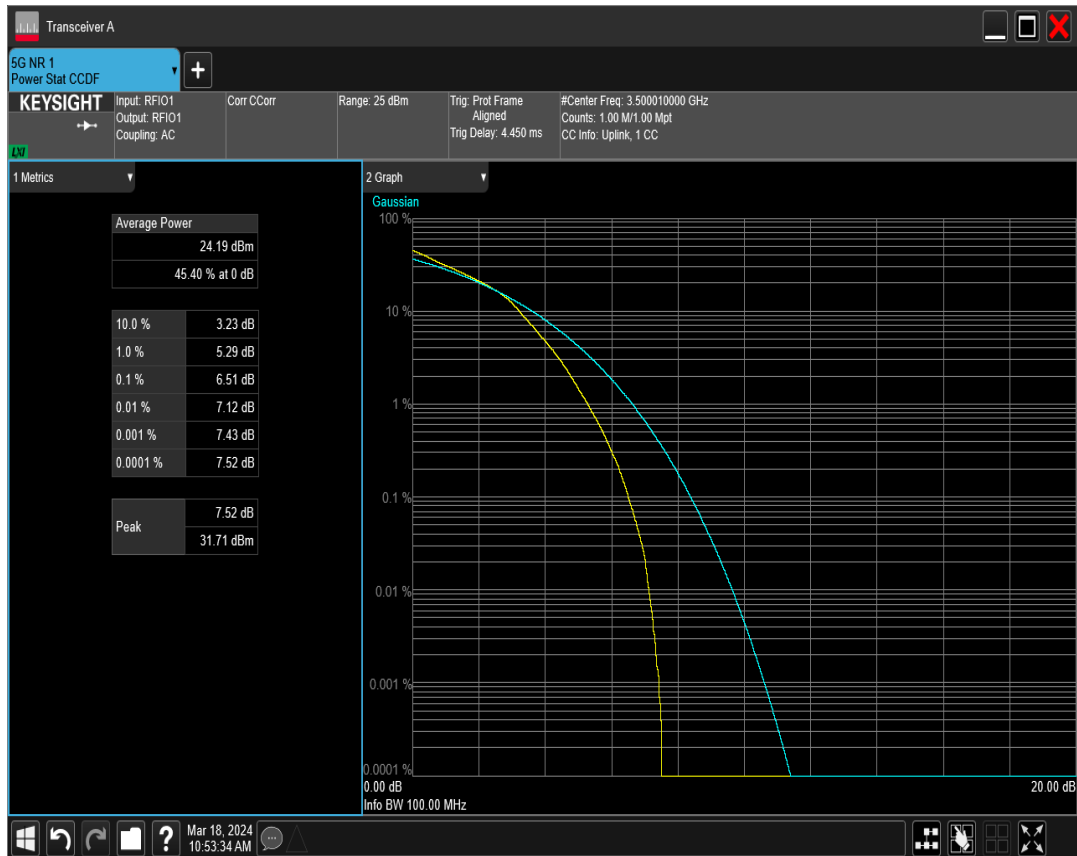
n78(3450-3550) SCS=30kHz DFT_BPSK BW=70MHz Channel=633334 RB=180@0



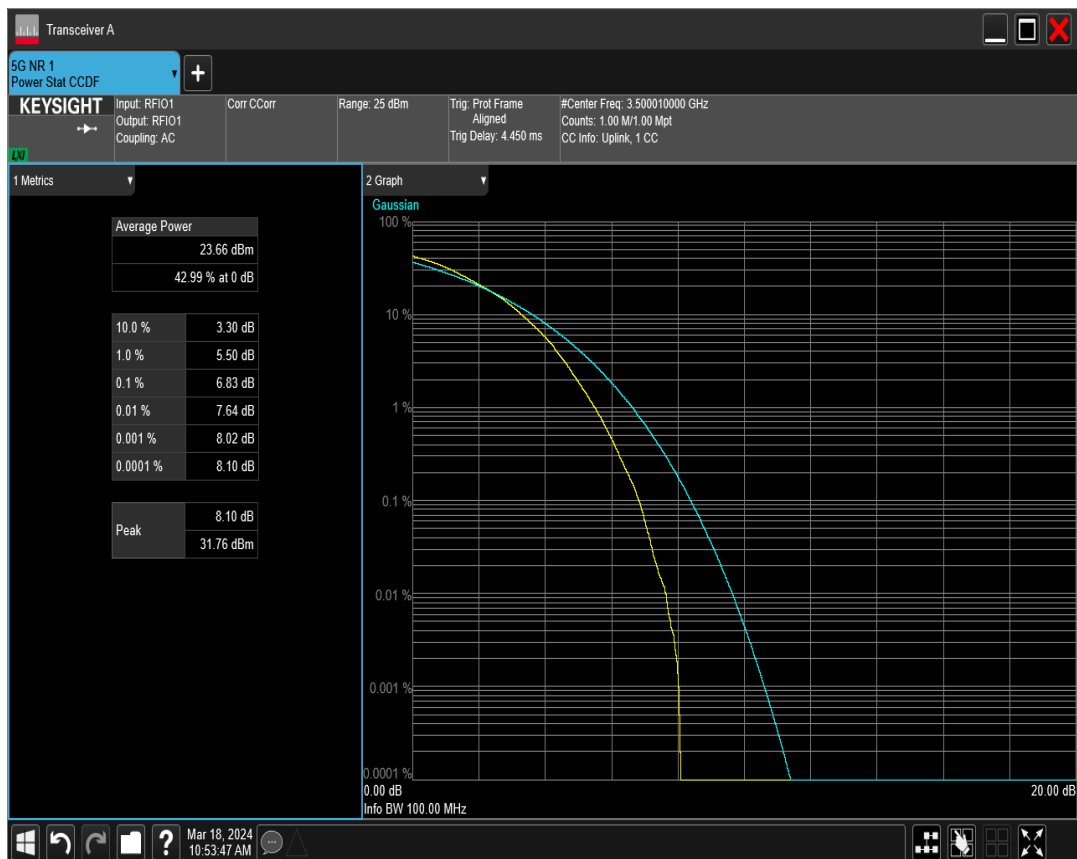
n78(3450-3550) SCS=30kHz DFT_QPSK BW=70MHz Channel=633334 RB=180@0



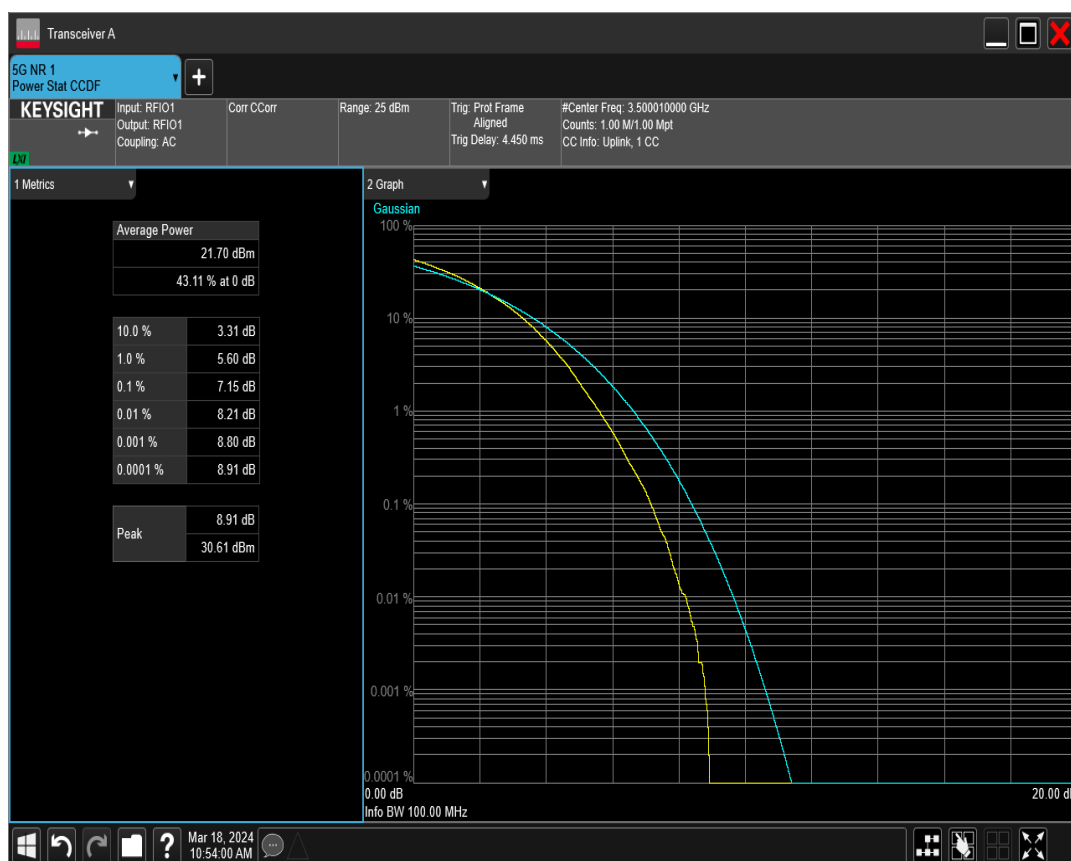
n78(3450-3550) SCS=30kHz DFT_QAM16 BW=70MHz Channel=633334 RB=180@0



n78(3450-3550) SCS=30kHz DFT_QAM64 BW=70MHz Channel=633334 RB=180@0



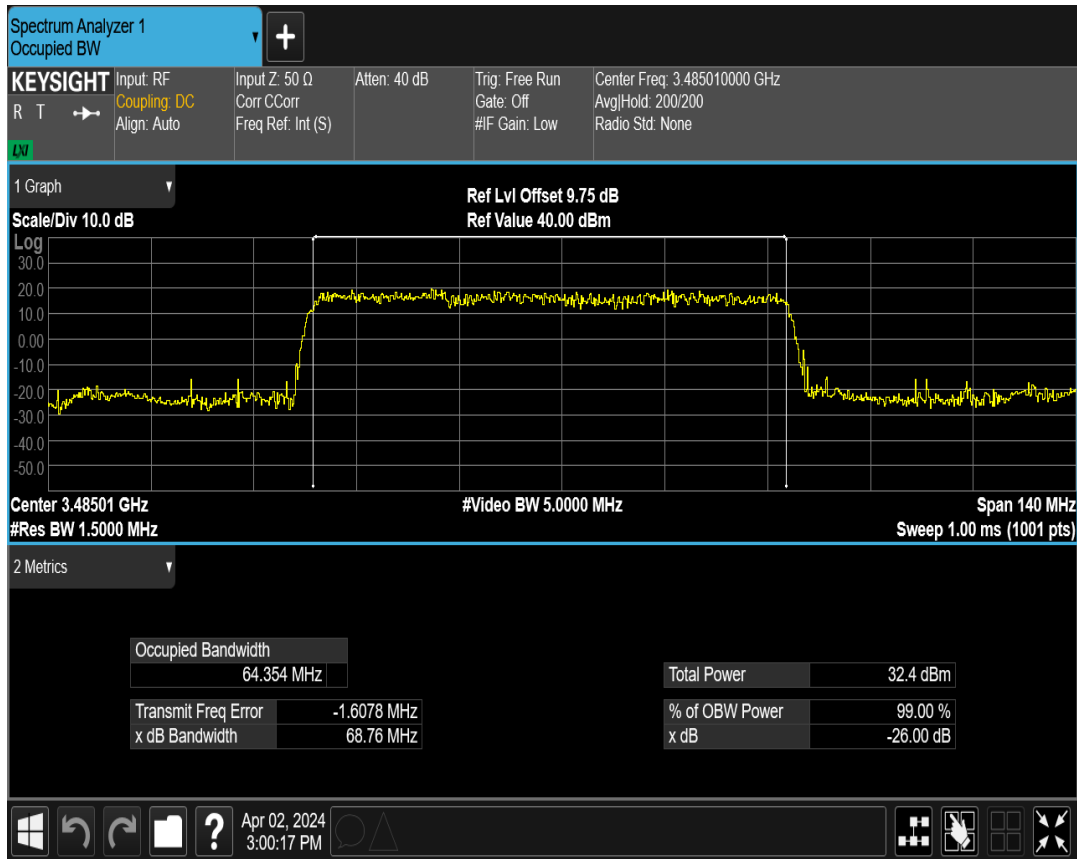
n78(3450-3550) SCS=30kHz DFT_QAM256 BW=70MHz Channel=633334 RB=180@0



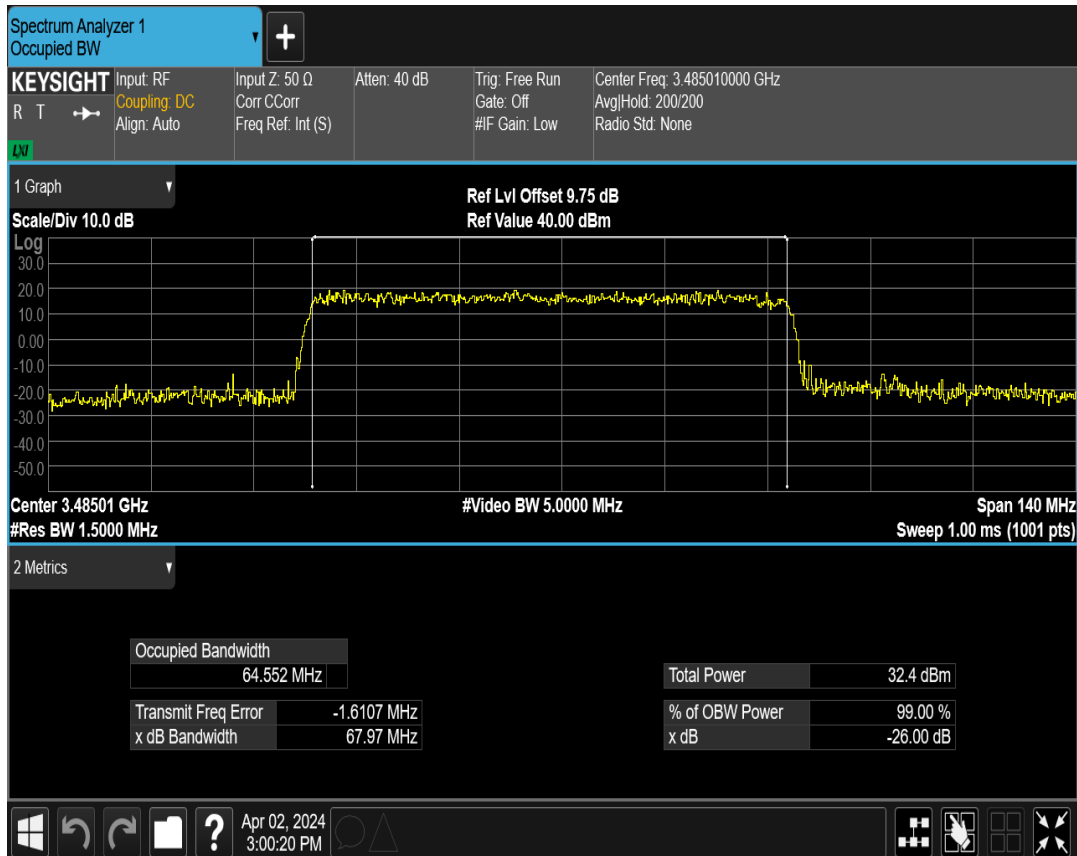
4 Occupied bandwidth for NR FR1

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
n78(3450-3550)	30	70	632334	180@0	DFT_BPSK	64.354	68.756	PASS
n78(3450-3550)	30	70	632334	180@0	DFT_QPSK	64.552	67.968	PASS
n78(3450-3550)	30	70	632334	180@0	DFT_QAM16	64.260	68.241	PASS
n78(3450-3550)	30	70	632334	180@0	DFT_QAM64	64.348	69.216	PASS
n78(3450-3550)	30	70	632334	180@0	DFT_QAM256	64.550	68.154	PASS
n78(3450-3550)	30	70	632334	189@0	CP_QPSK	67.837	71.385	PASS
n78(3450-3550)	30	70	633334	180@0	DFT_BPSK	64.572	67.902	PASS
n78(3450-3550)	30	70	633334	180@0	DFT_QPSK	64.572	69.018	PASS
n78(3450-3550)	30	70	633334	180@0	DFT_QAM16	64.512	68.094	PASS
n78(3450-3550)	30	70	633334	180@0	DFT_QAM64	64.615	67.950	PASS
n78(3450-3550)	30	70	633334	180@0	DFT_QAM256	64.346	68.611	PASS
n78(3450-3550)	30	70	633334	189@0	CP_QPSK	67.536	71.267	PASS
n78(3450-3550)	30	70	634332	180@0	DFT_BPSK	64.633	68.243	PASS
n78(3450-3550)	30	70	634332	180@0	DFT_QPSK	64.549	68.348	PASS
n78(3450-3550)	30	70	634332	180@0	DFT_QAM16	64.377	67.956	PASS
n78(3450-3550)	30	70	634332	180@0	DFT_QAM64	64.475	67.972	PASS
n78(3450-3550)	30	70	634332	180@0	DFT_QAM256	64.357	68.400	PASS
n78(3450-3550)	30	70	634332	189@0	CP_QPSK	67.646	71.197	PASS

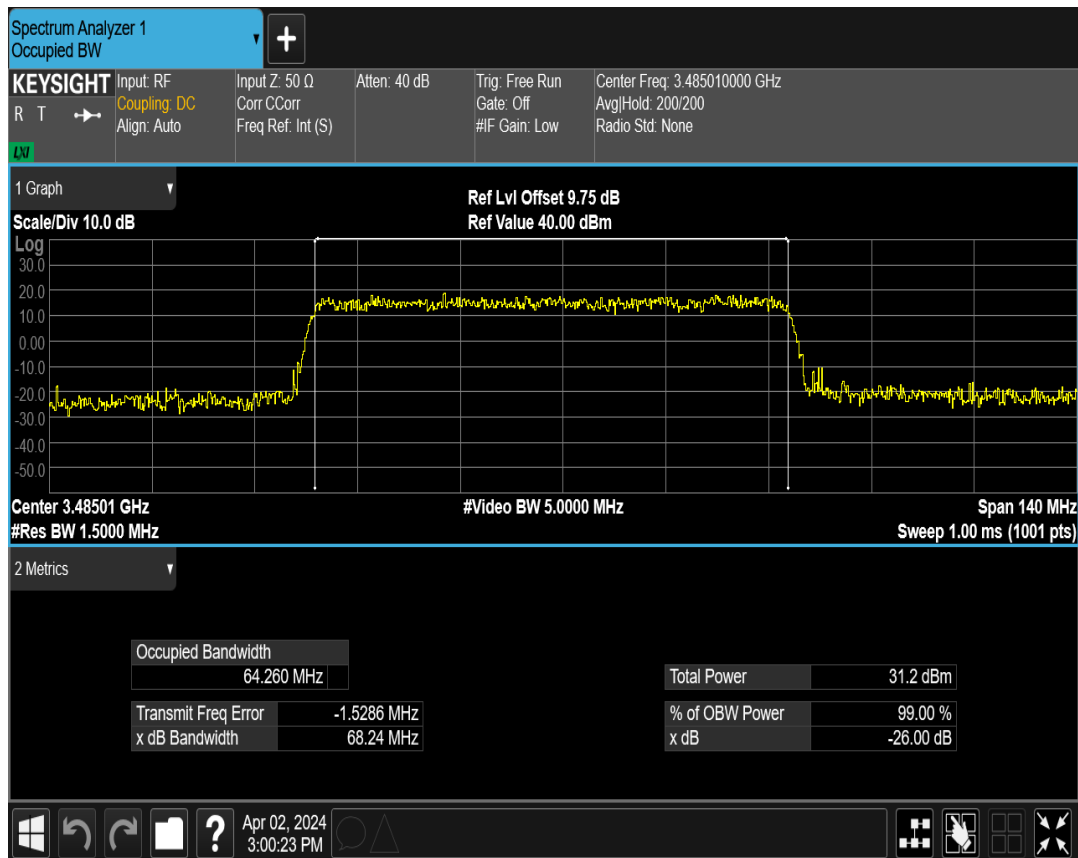
n78(3450-3550) SCS=30kHz DFT_BPSK BW=70MHz Channel=632334 RB=180@0



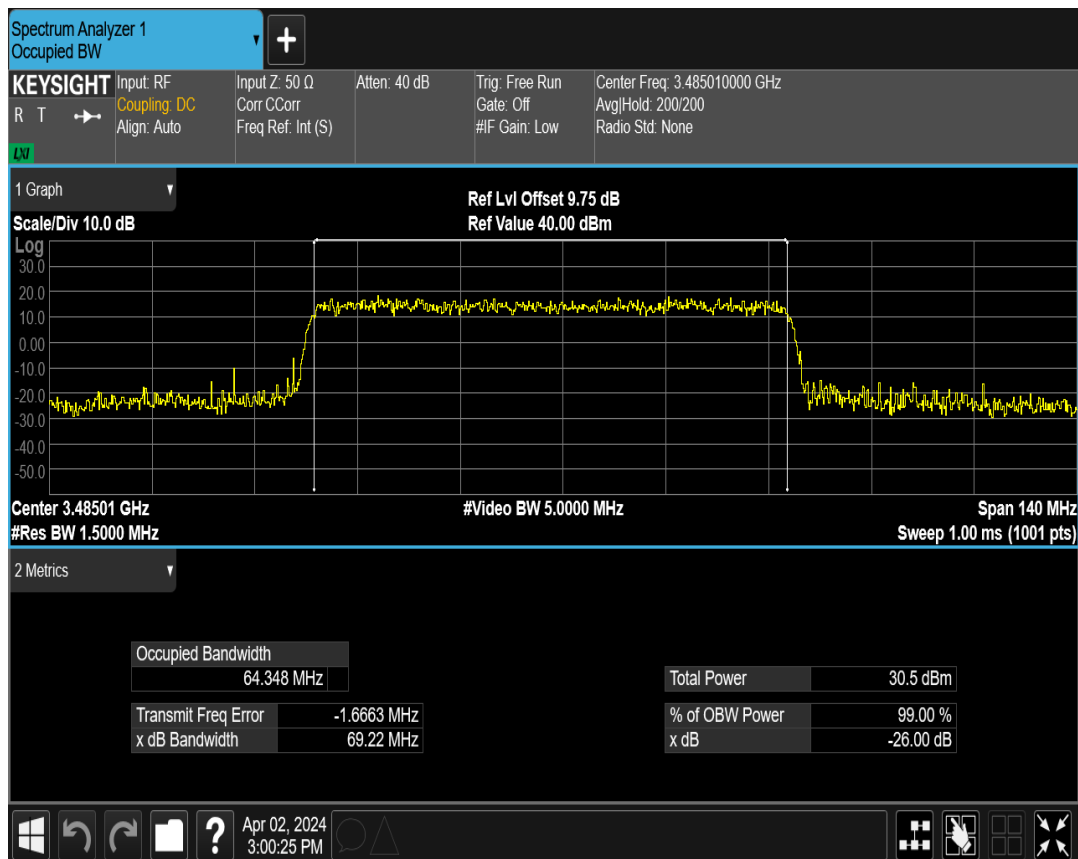
n78(3450-3550) SCS=30kHz DFT_QPSK BW=70MHz Channel=632334 RB=180@0



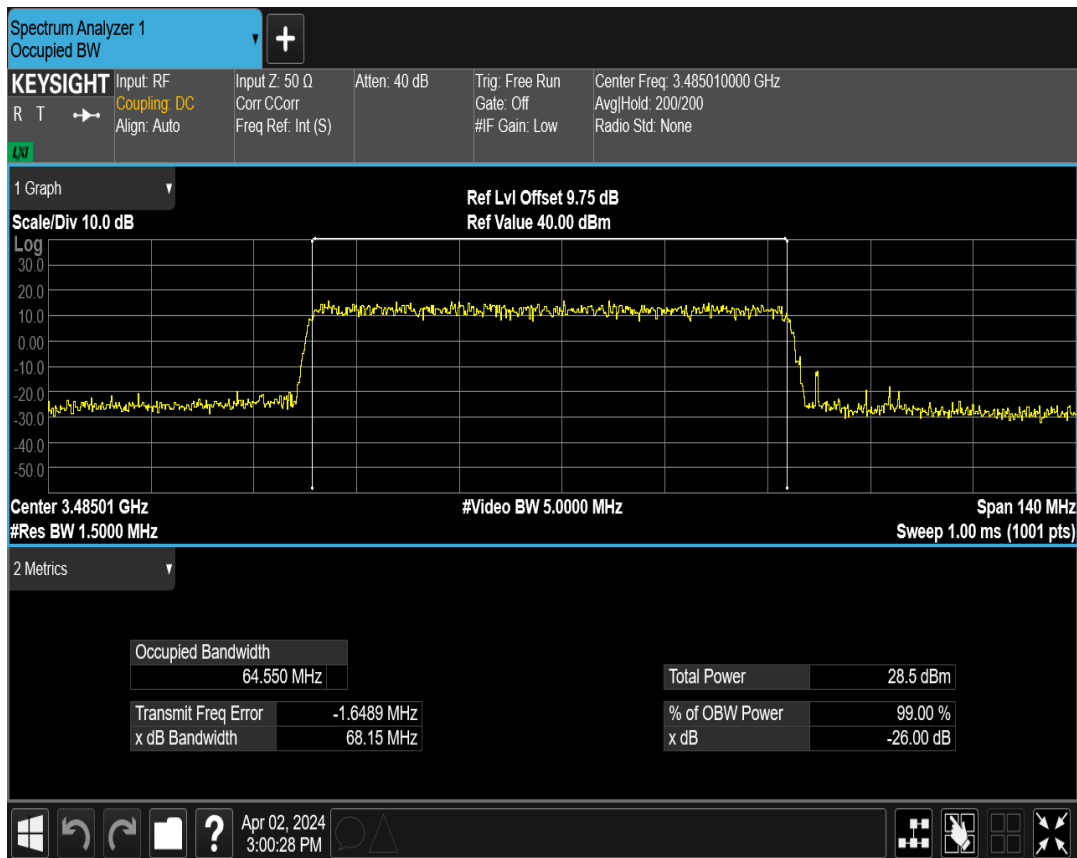
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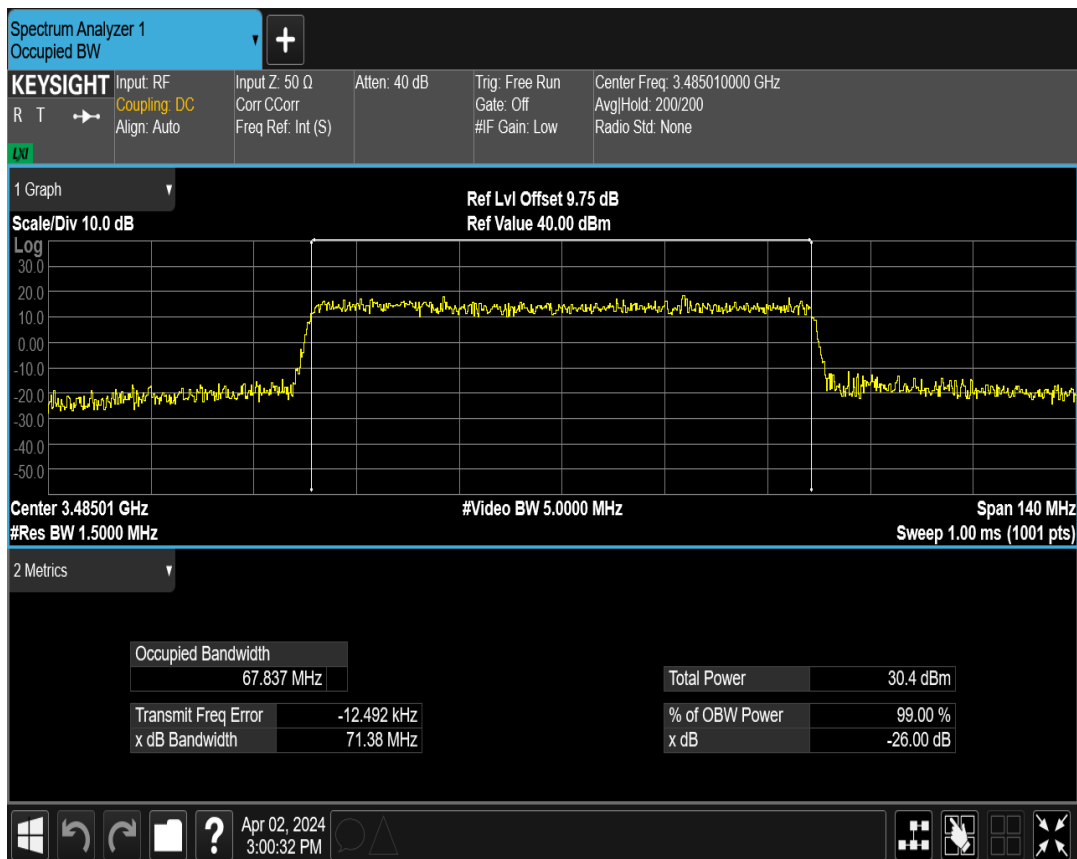
n78(3450-3550) SCS=30kHz DFT_QAM64 BW=70MHz Channel=632334 RB=180@0



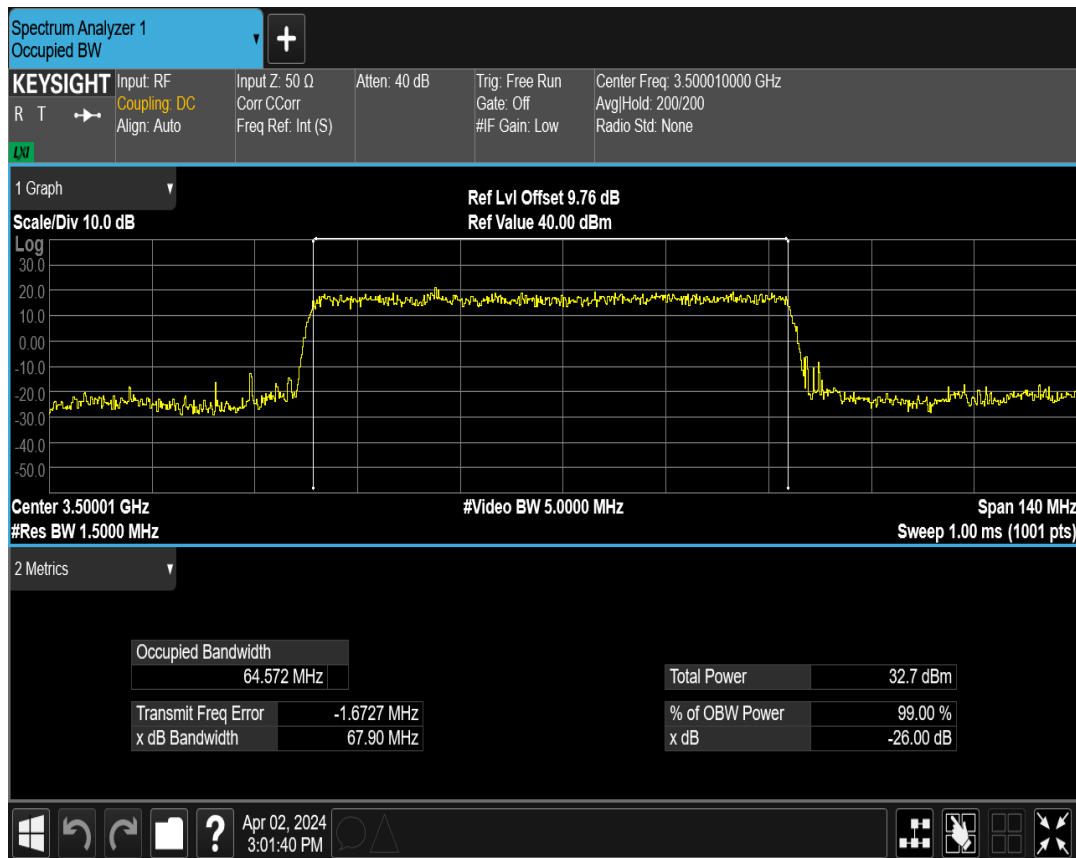
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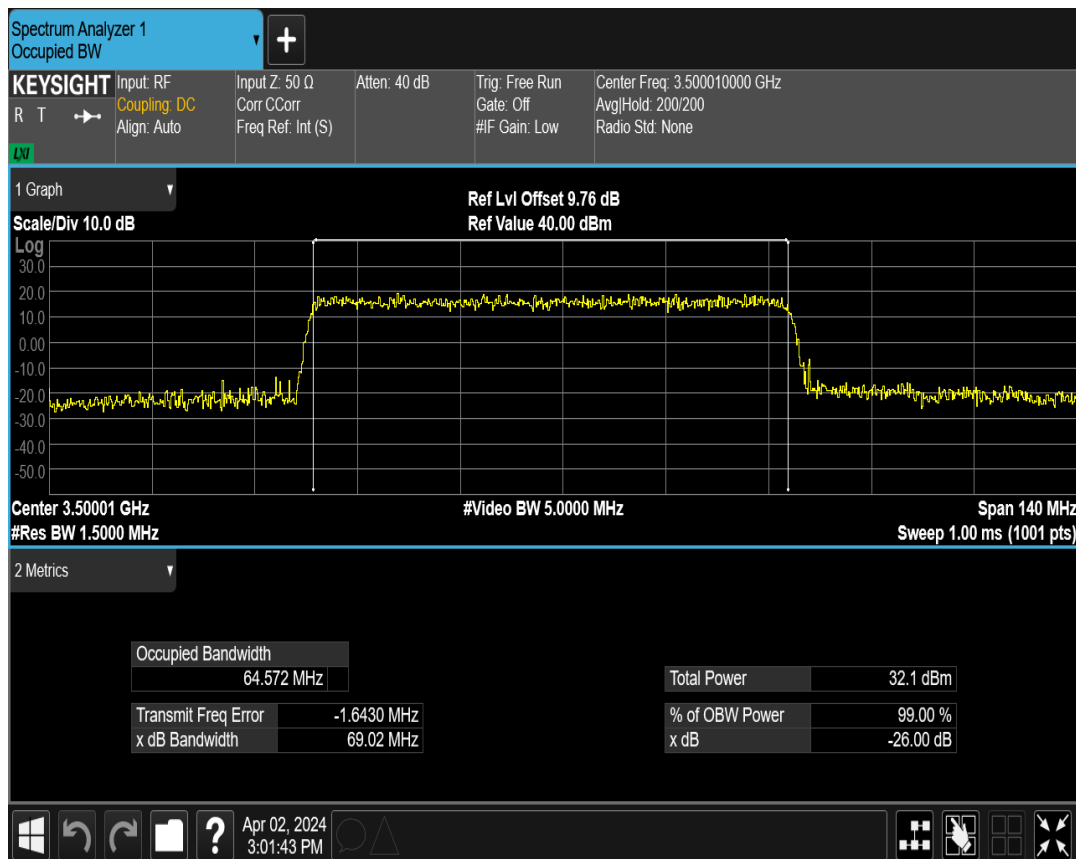
n78(3450-3550) SCS=30kHz CP_QPSK BW=70MHz Channel=632334 RB=189@0



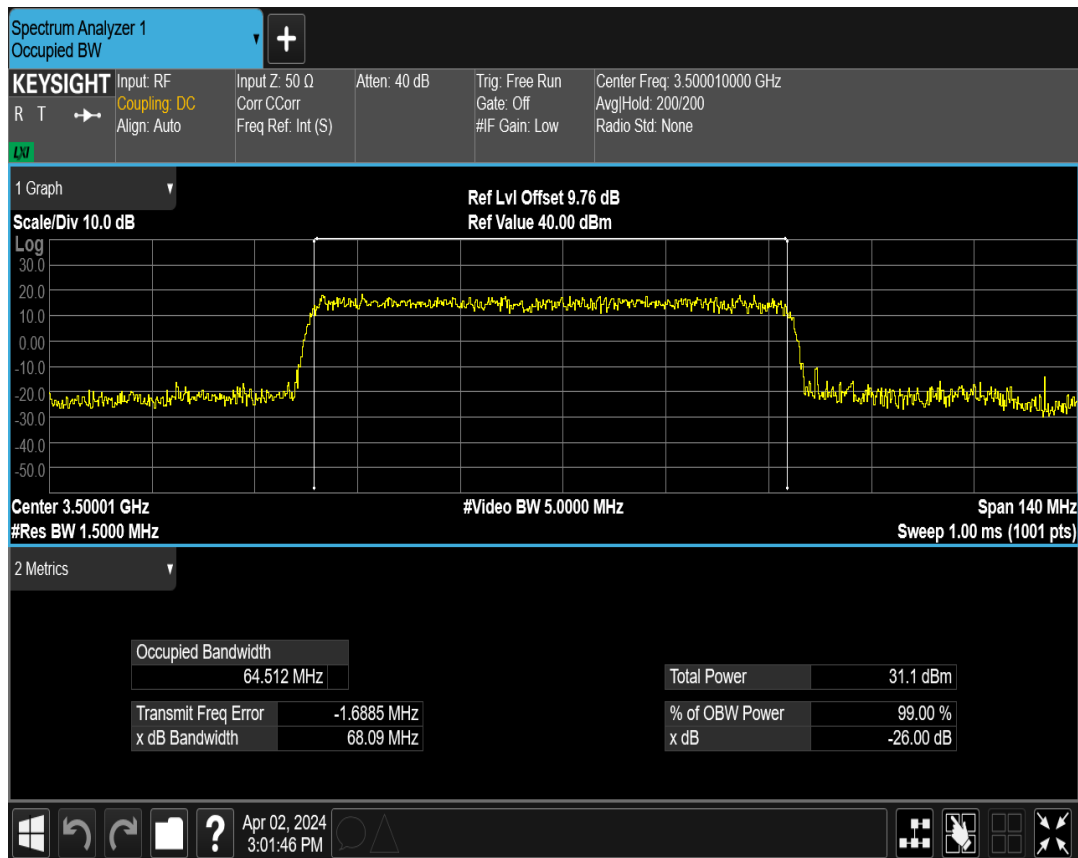
n78(3450-3550) SCS=30kHz DFT_BPSK BW=70MHz Channel=633334 RB=180@0



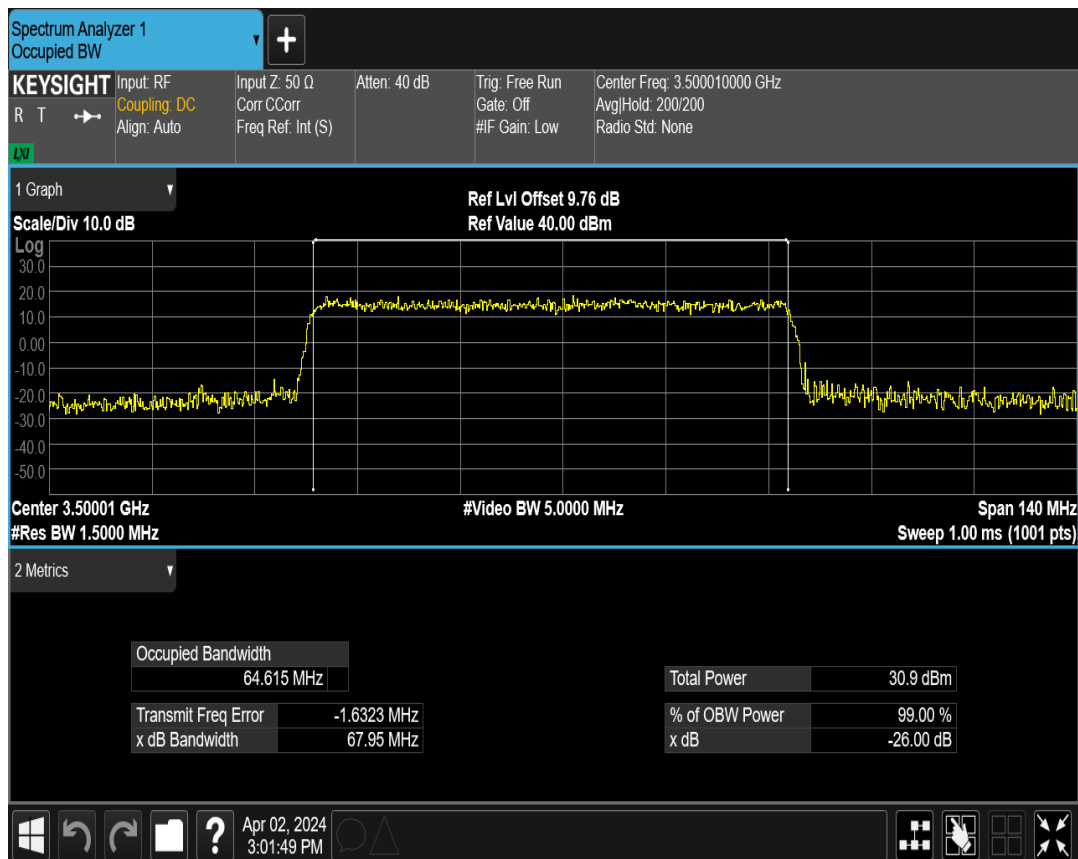
n78(3450-3550) SCS=30kHz DFT_QPSK BW=70MHz Channel=633334 RB=180@0



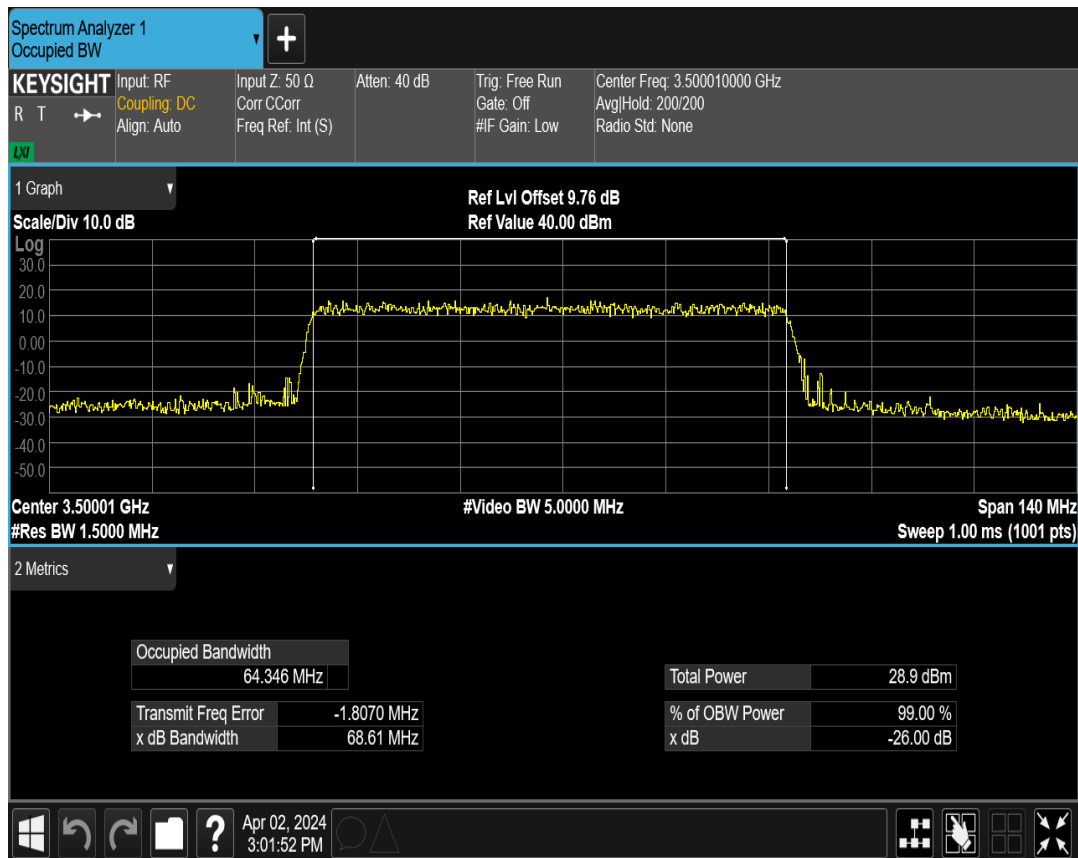
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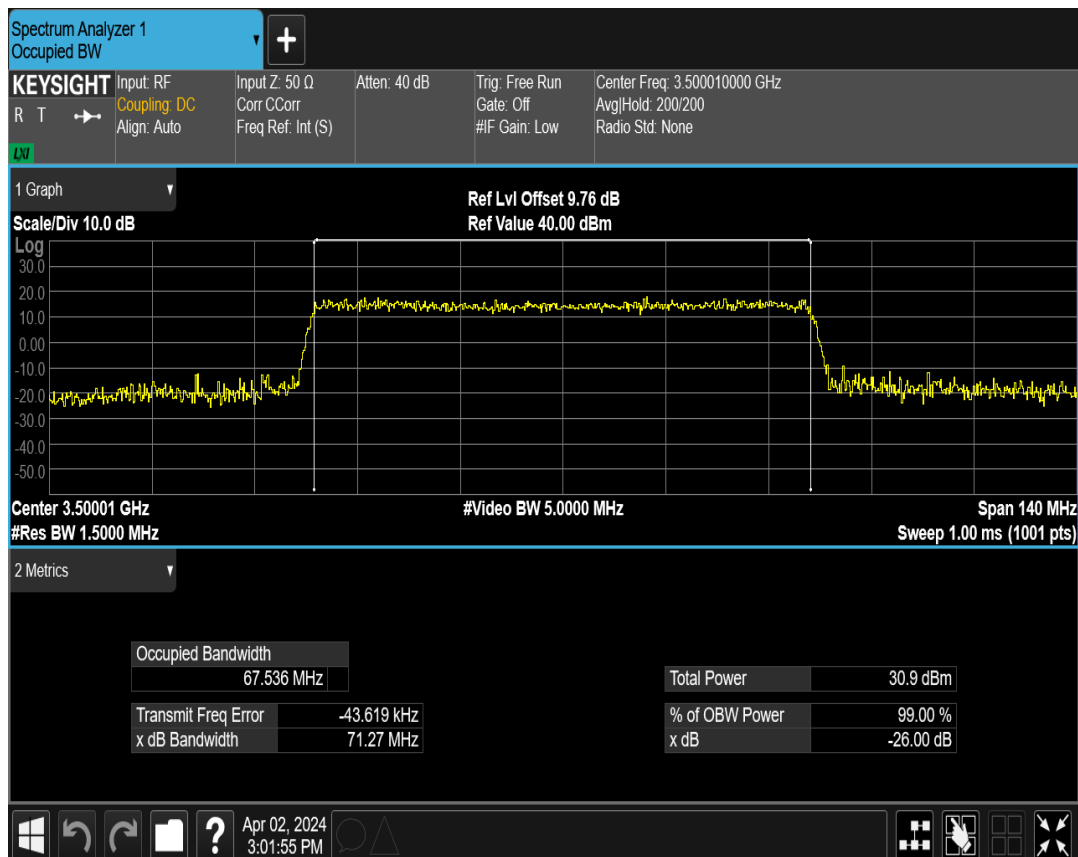
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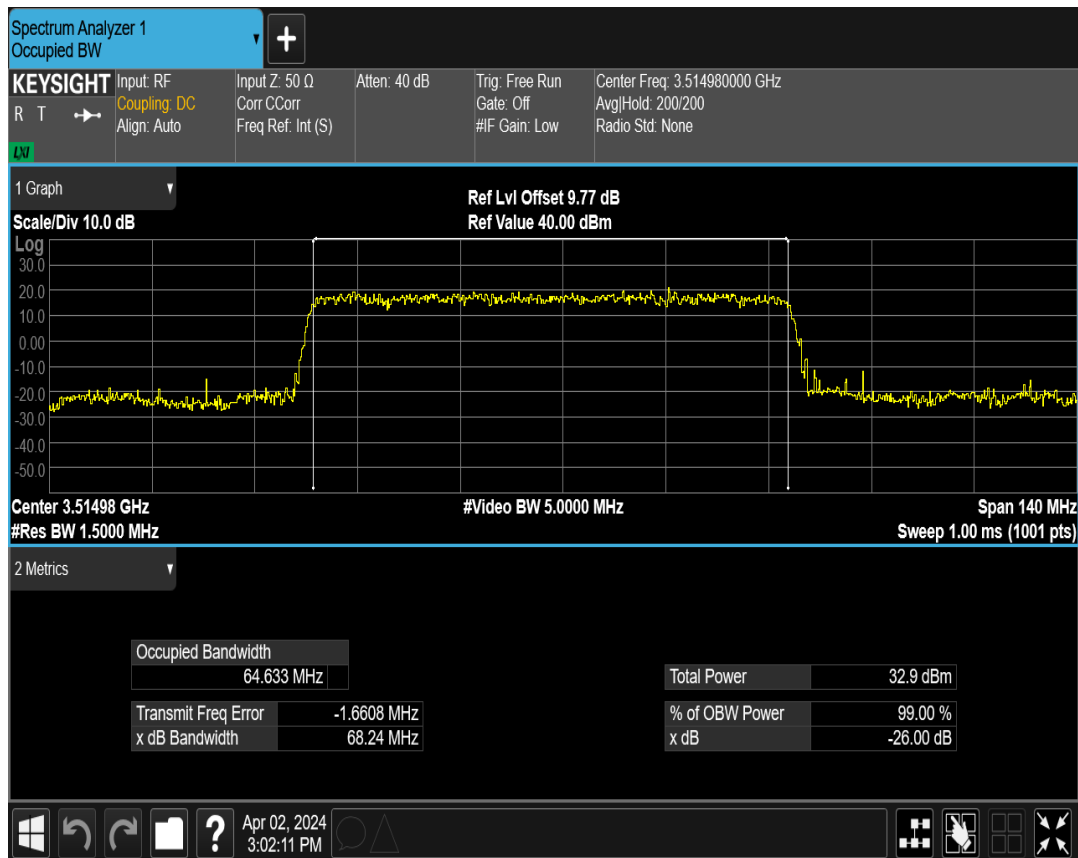
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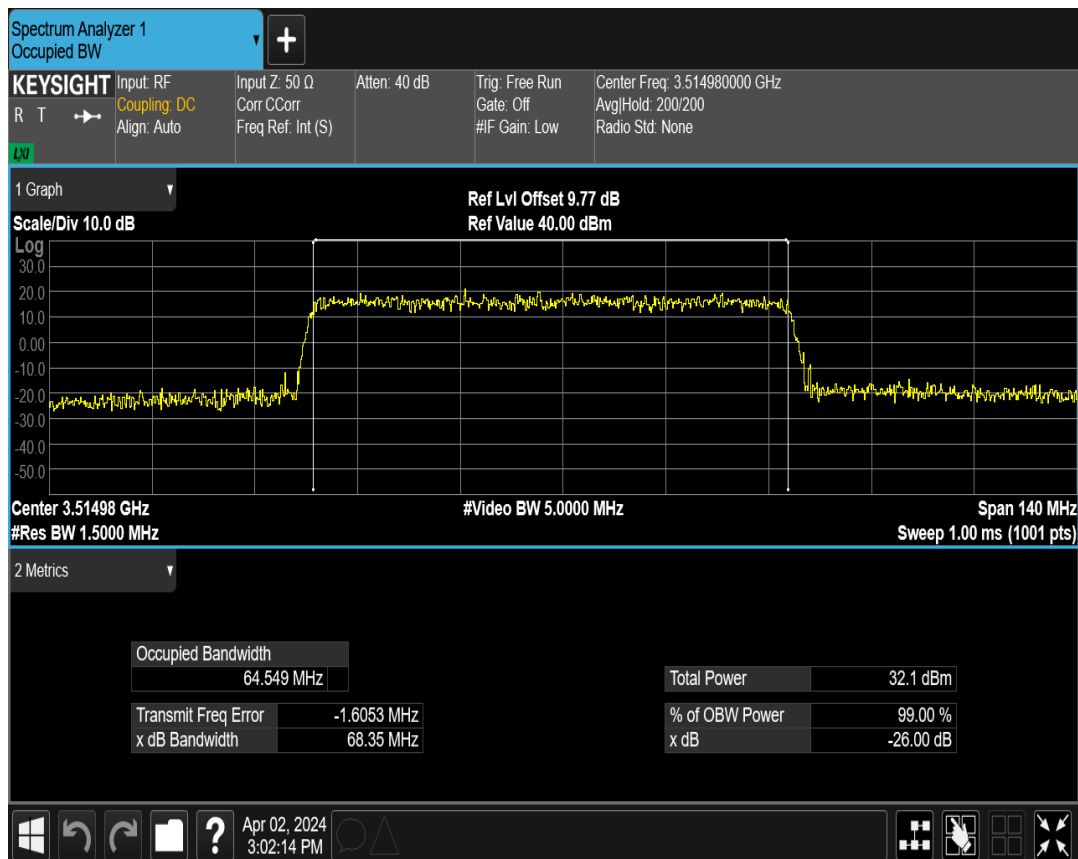
n78(3450-3550) SCS=30kHz CP_QPSK BW=70MHz Channel=633334 RB=189@0



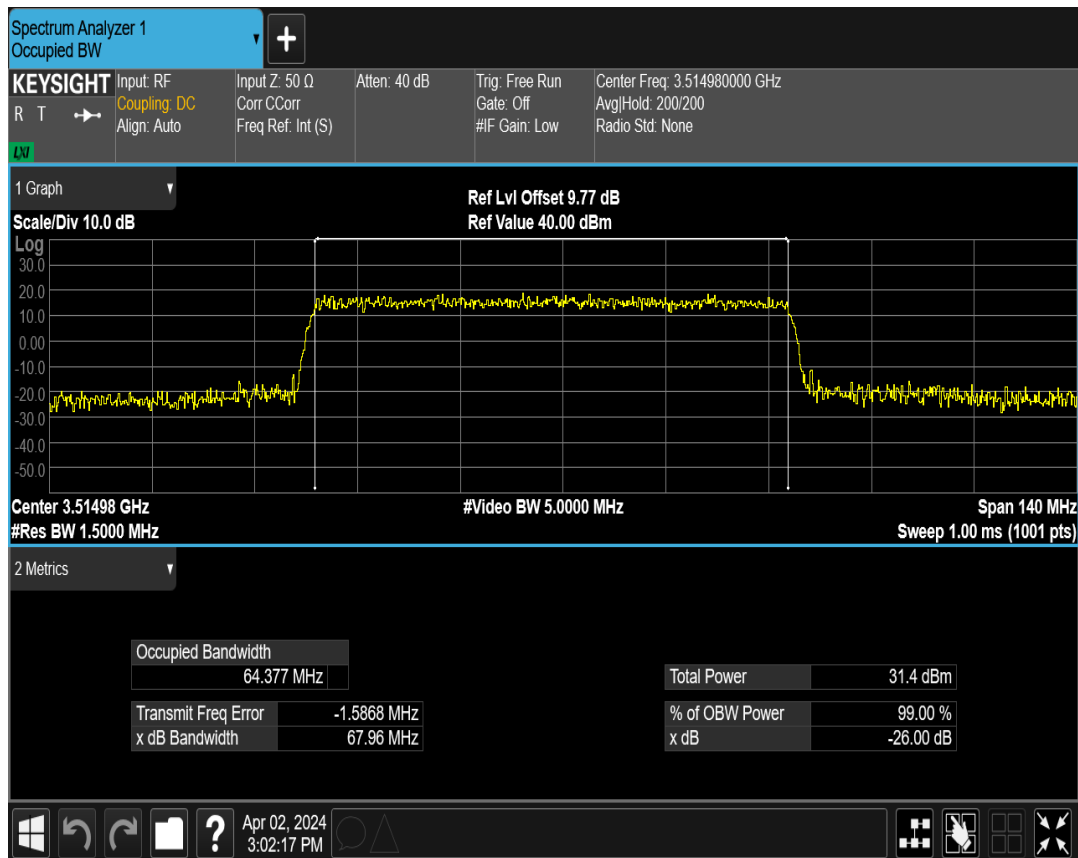
n78(3450-3550) SCS=30kHz DFT_BPSK BW=70MHz Channel=634332 RB=180@0



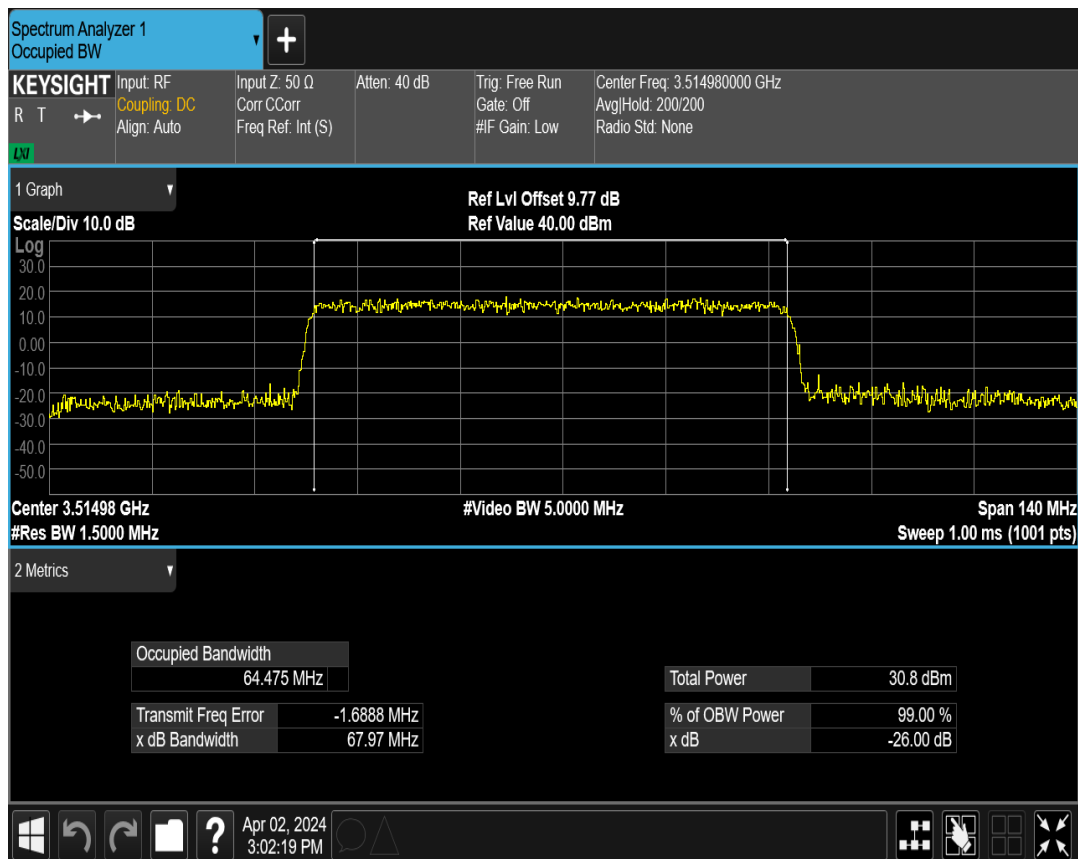
n78(3450-3550) SCS=30kHz DFT_QPSK BW=70MHz Channel=634332 RB=180@0



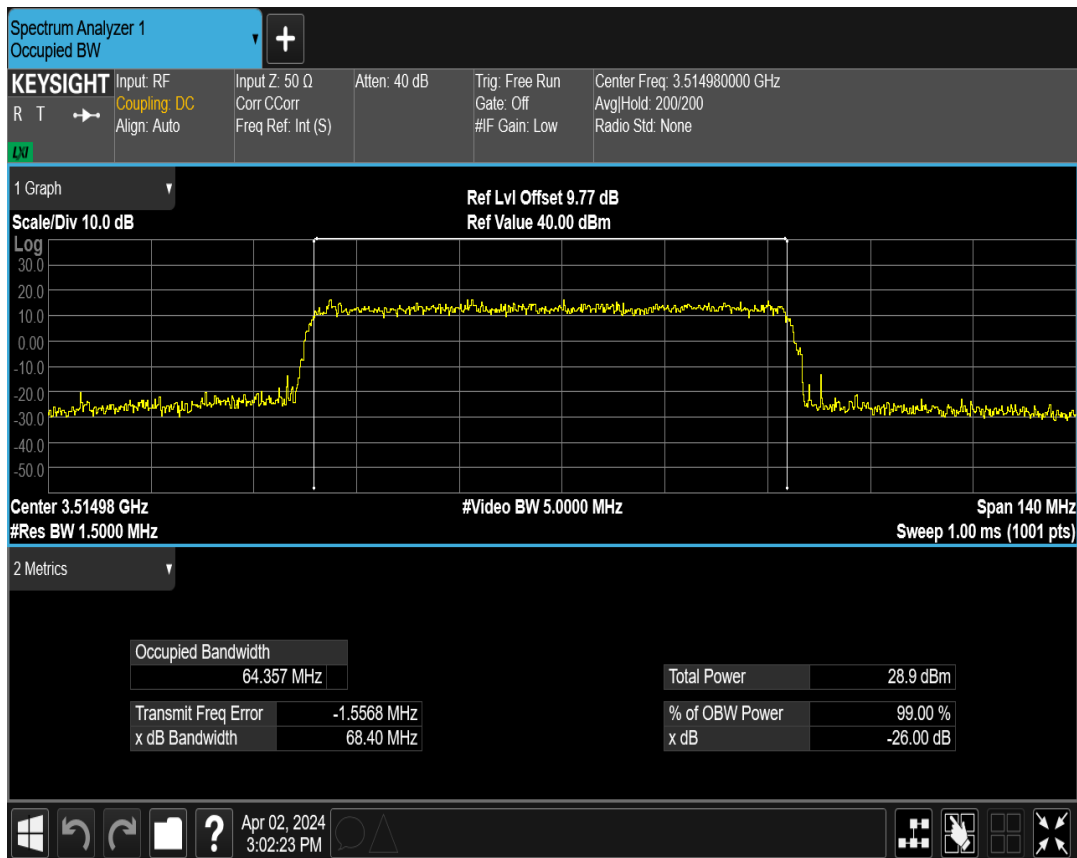
n78(3450-3550) SCS=30kHz DFT_QAM16 BW=70MHz Channel=634332 RB=180@0



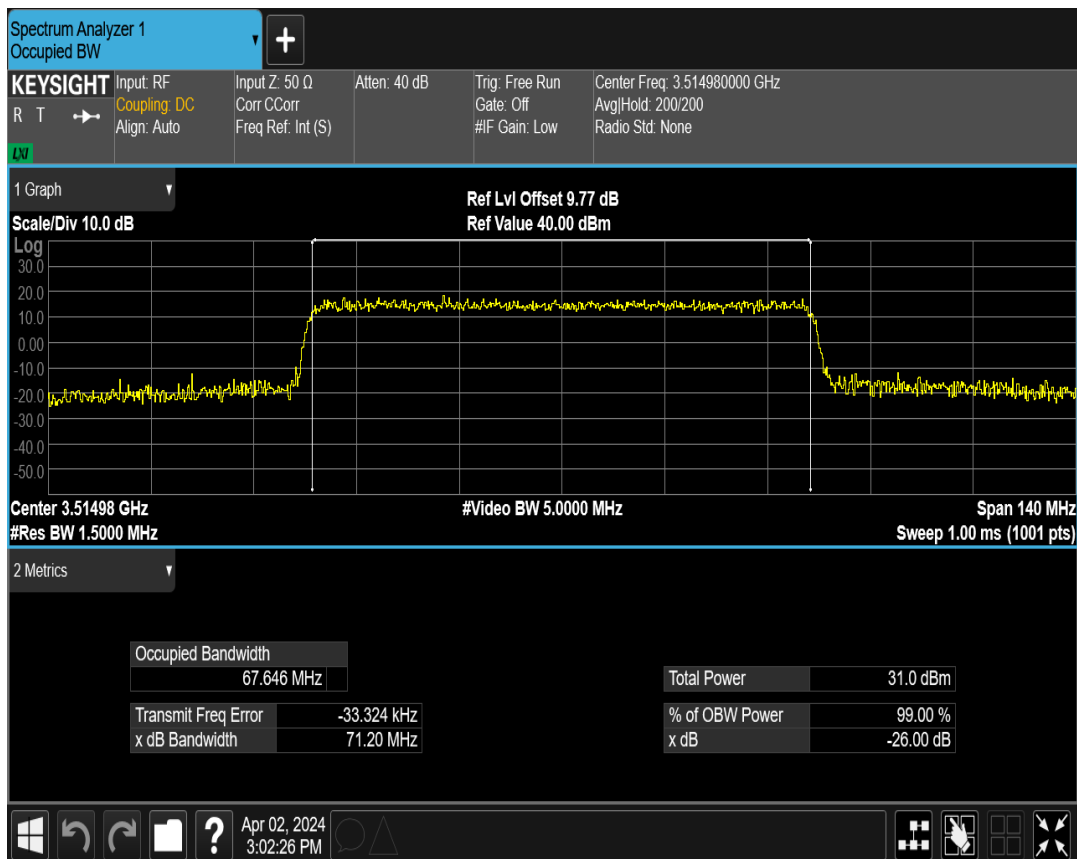
n78(3450-3550) SCS=30kHz DFT_QAM64 BW=70MHz Channel=634332 RB=180@0



n78(3450-3550) SCS=30kHz DFT_QAM256 BW=70MHz Channel=634332 RB=180@0



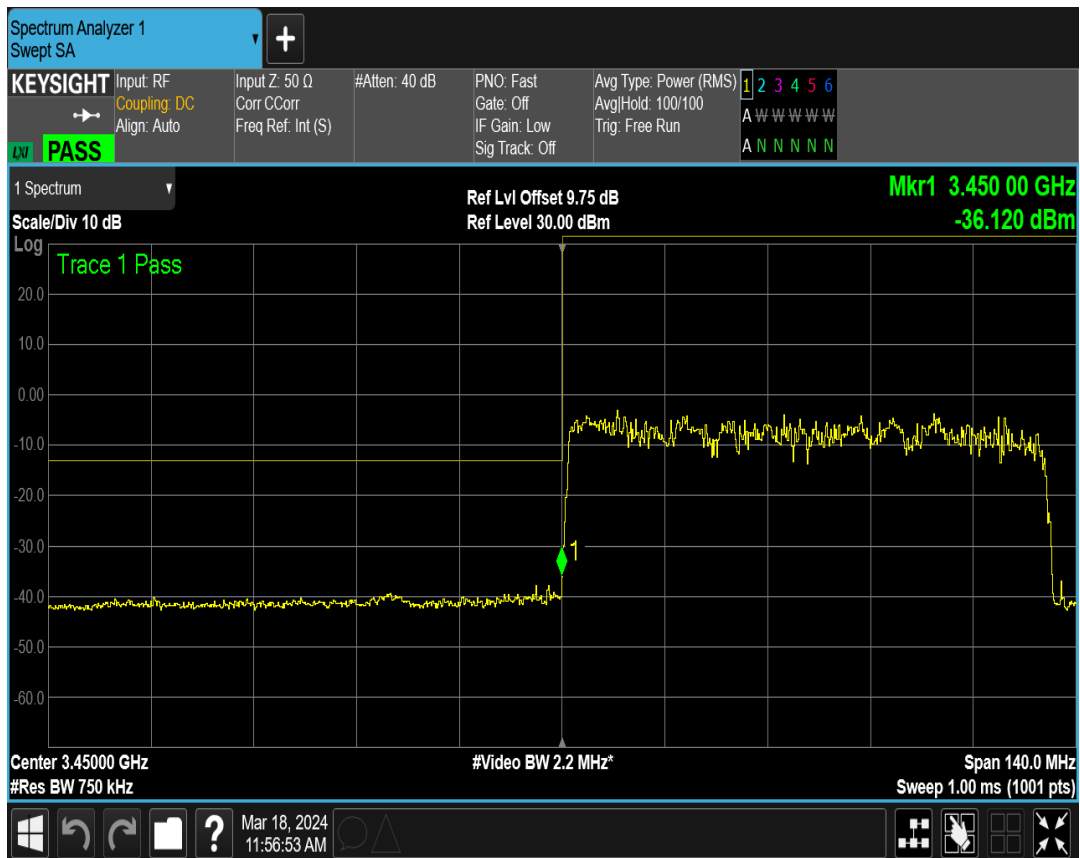
n78(3450-3550) SCS=30kHz CP_QPSK BW=70MHz Channel=634332 RB=189@0



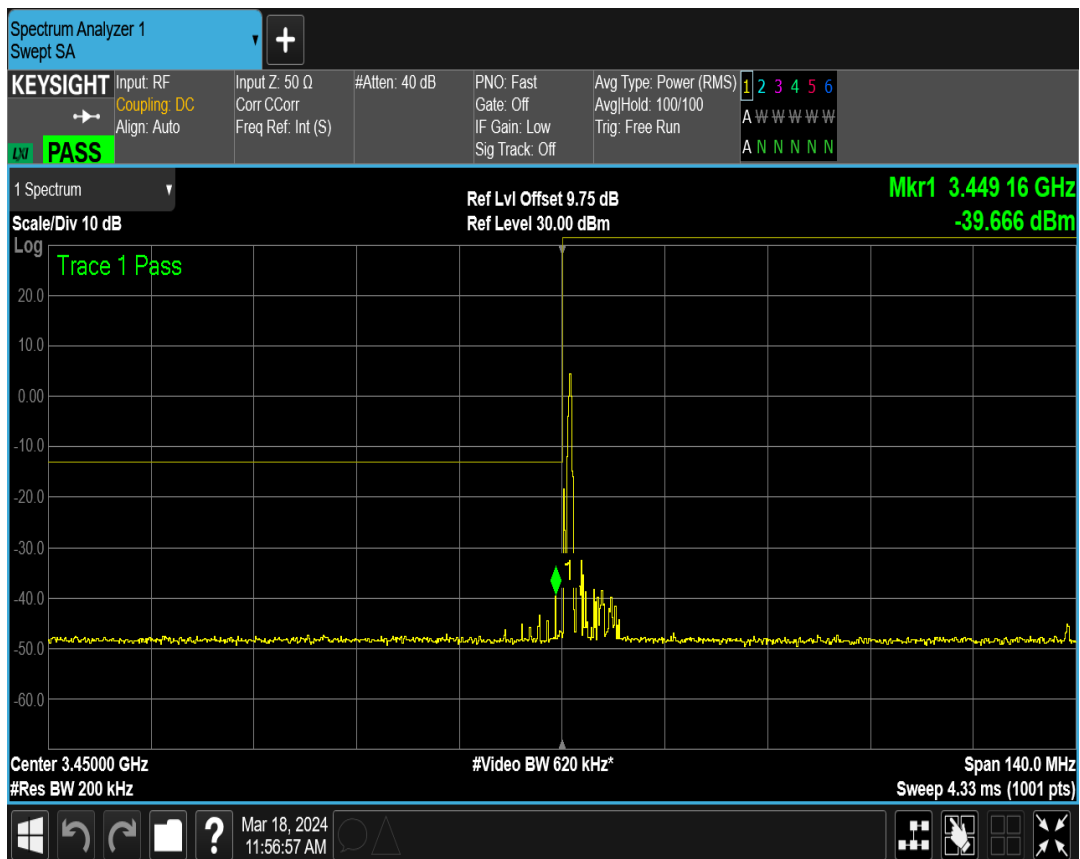
5 Band edge for NR FR1

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
n78(3450-3550)	30	70	632334	180@0	DFT_QPSK	3450.00	-36.12	-13	PASS
n78(3450-3550)	30	70	632334	1@0	DFT_QPSK	3449.16	-39.67	-13	PASS
n78(3450-3550)	30	70	634332	180@0	DFT_QPSK	3600.12	-37.58	-13	PASS
n78(3450-3550)	30	70	634332	1@188	DFT_QPSK	3550.14	-35.66	-13	PASS

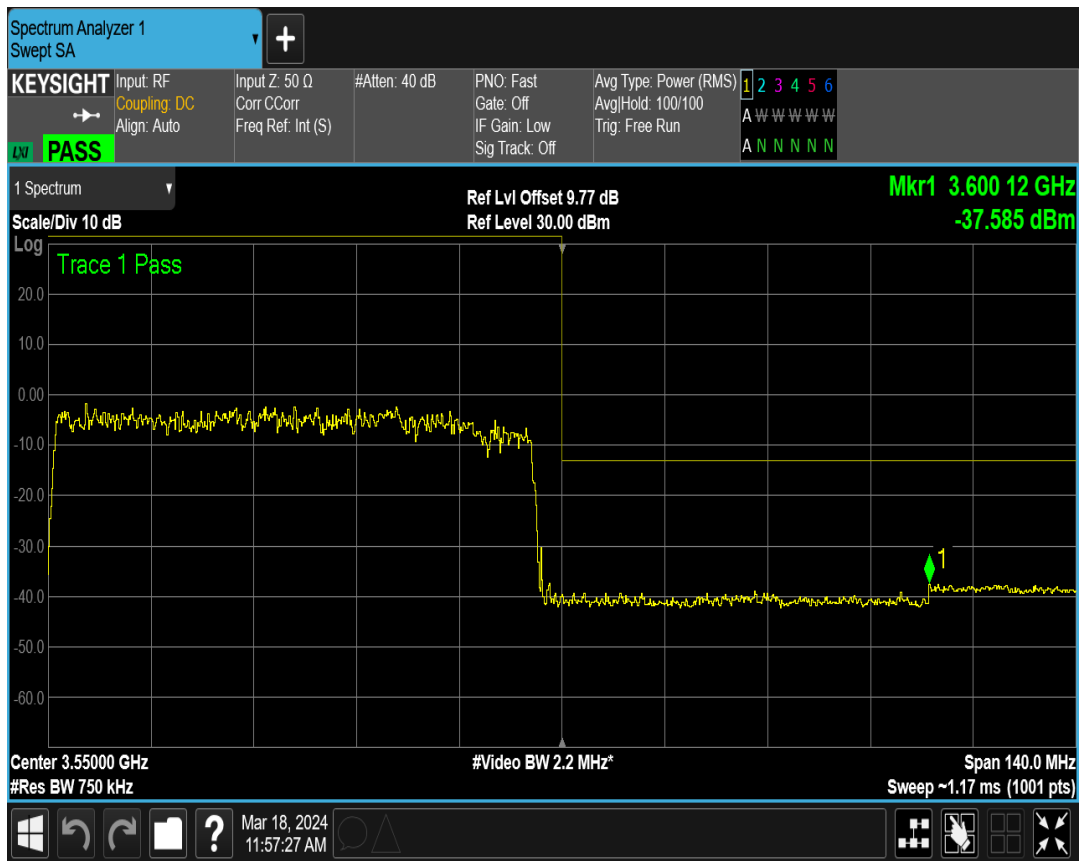
n78(3450-3550) SCS=30kHz DFT_QPSK BW=70MHz Channel=632334 RB=180@0



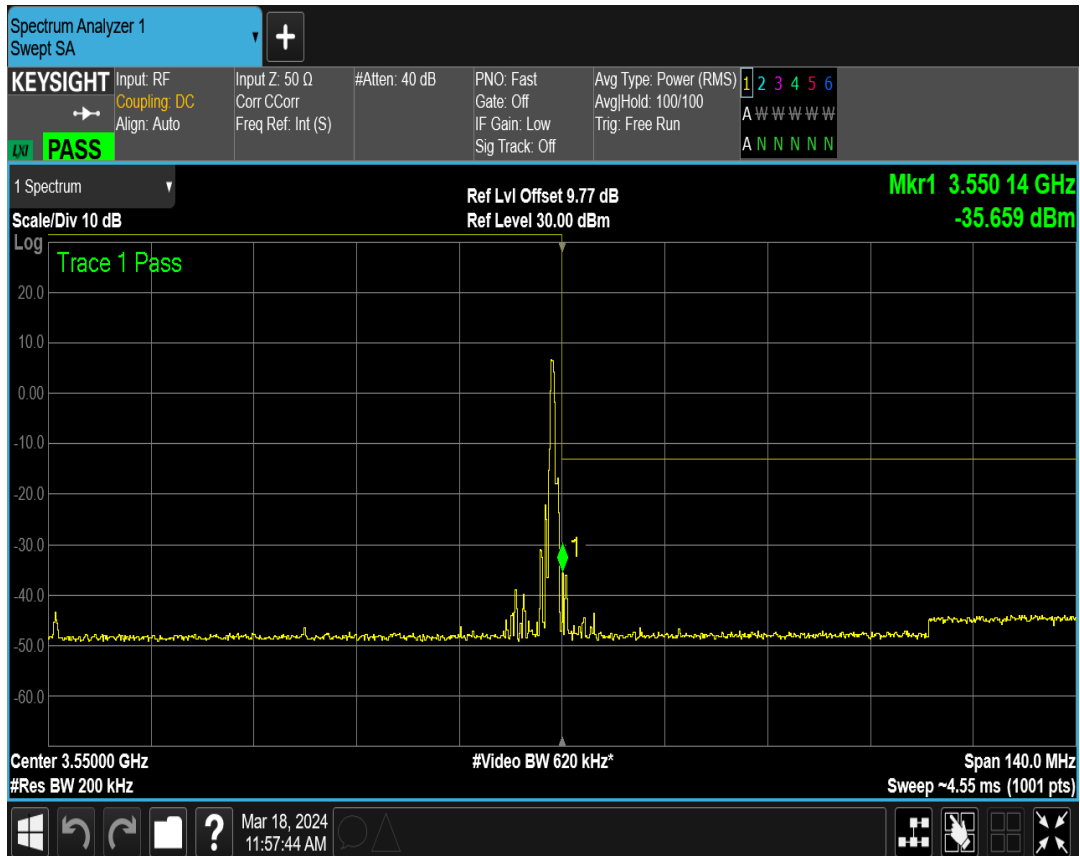
n78(3450-3550) SCS=30kHz DFT_QPSK BW=70MHz Channel=632334 RB=1@0



n78(3450-3550) SCS=30kHz DFT_QPSK BW=70MHz Channel=634332 RB=180@0



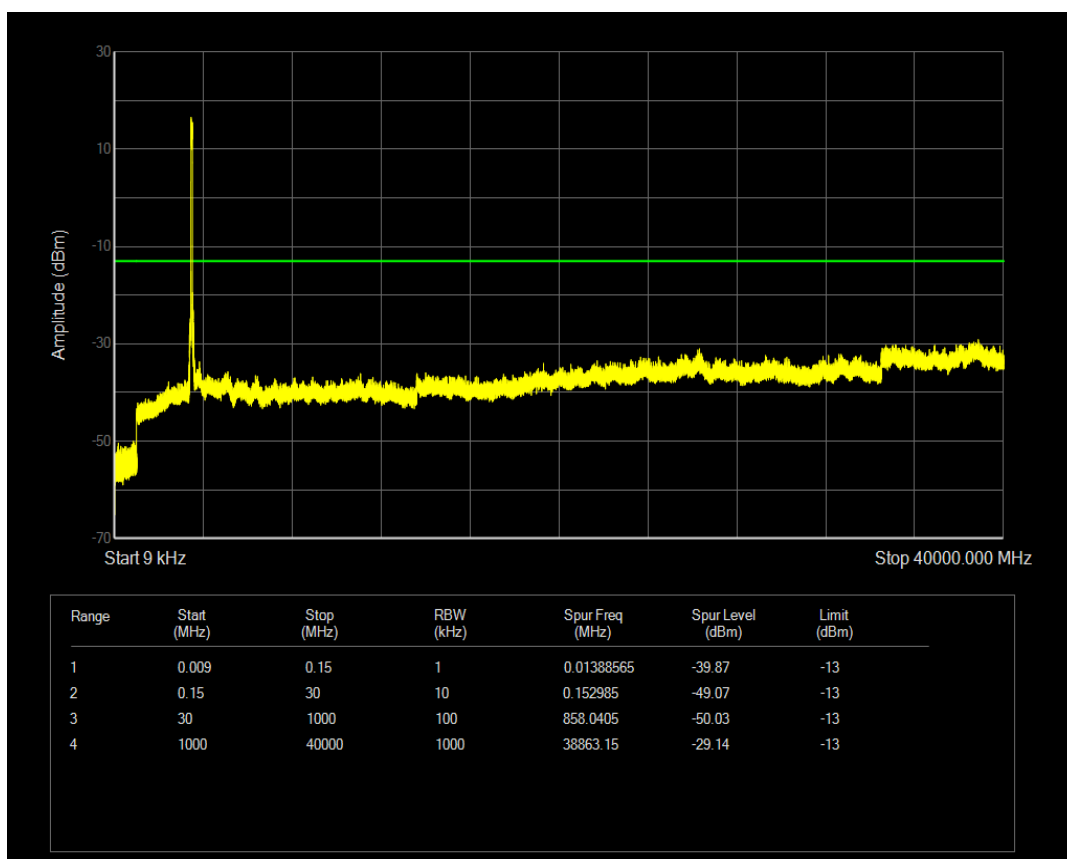
n78(3450-3550) SCS=30kHz DFT_QPSK BW=70MHz Channel=634332 RB=1@188



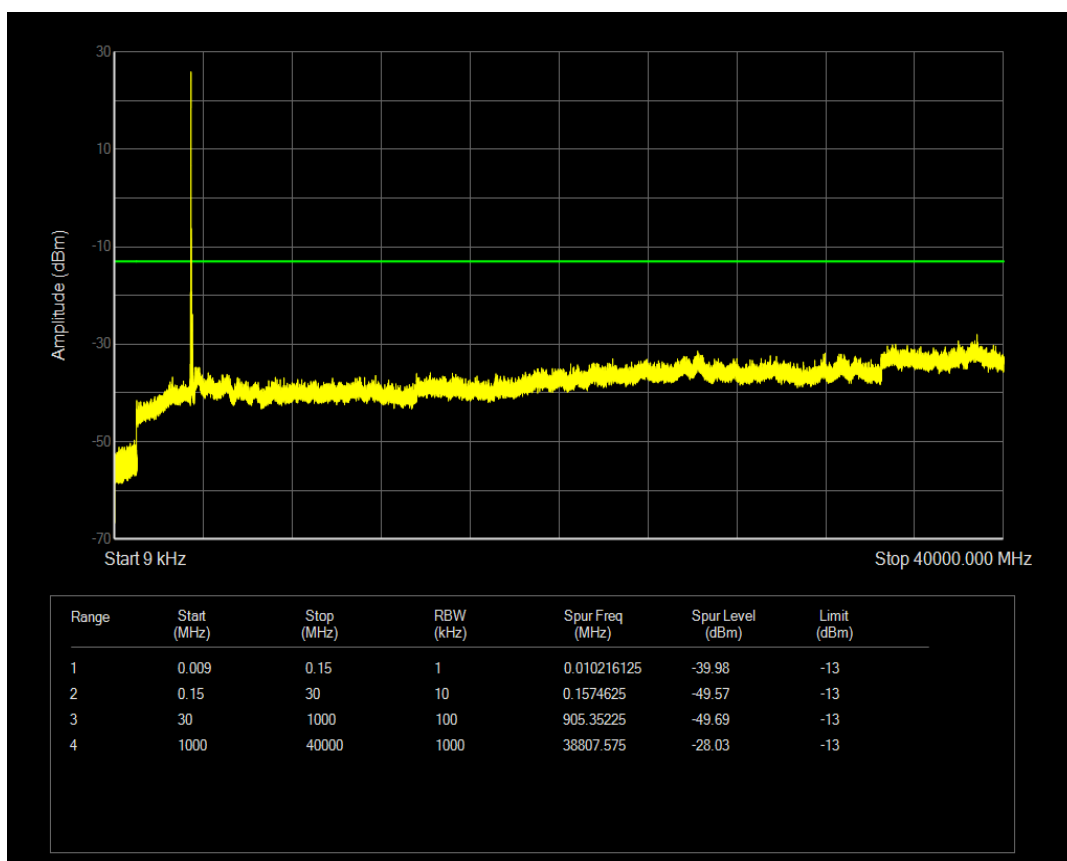
6 Out-of-band emissions for NR FR1

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
n78(3450-3550)	30	70	632334	180@0	DFT_QPSK	38863.15	-29.14	-13	PASS
n78(3450-3550)	30	70	632334	1@0	DFT_QPSK	38807.58	-28.03	-13	PASS
n78(3450-3550)	30	70	632334	1@188	DFT_QPSK	38668.15	-28.37	-13	PASS
n78(3450-3550)	30	70	633334	180@0	DFT_QPSK	38163.10	-29.46	-13	PASS
n78(3450-3550)	30	70	633334	1@0	DFT_QPSK	38092.90	-28.68	-13	PASS
n78(3450-3550)	30	70	633334	1@188	DFT_QPSK	38678.88	-28.52	-13	PASS
n78(3450-3550)	30	70	634332	180@0	DFT_QPSK	39169.30	-29.03	-13	PASS
n78(3450-3550)	30	70	634332	1@0	DFT_QPSK	38843.65	-28.91	-13	PASS
n78(3450-3550)	30	70	634332	1@188	DFT_QPSK	39041.58	-28.92	-13	PASS

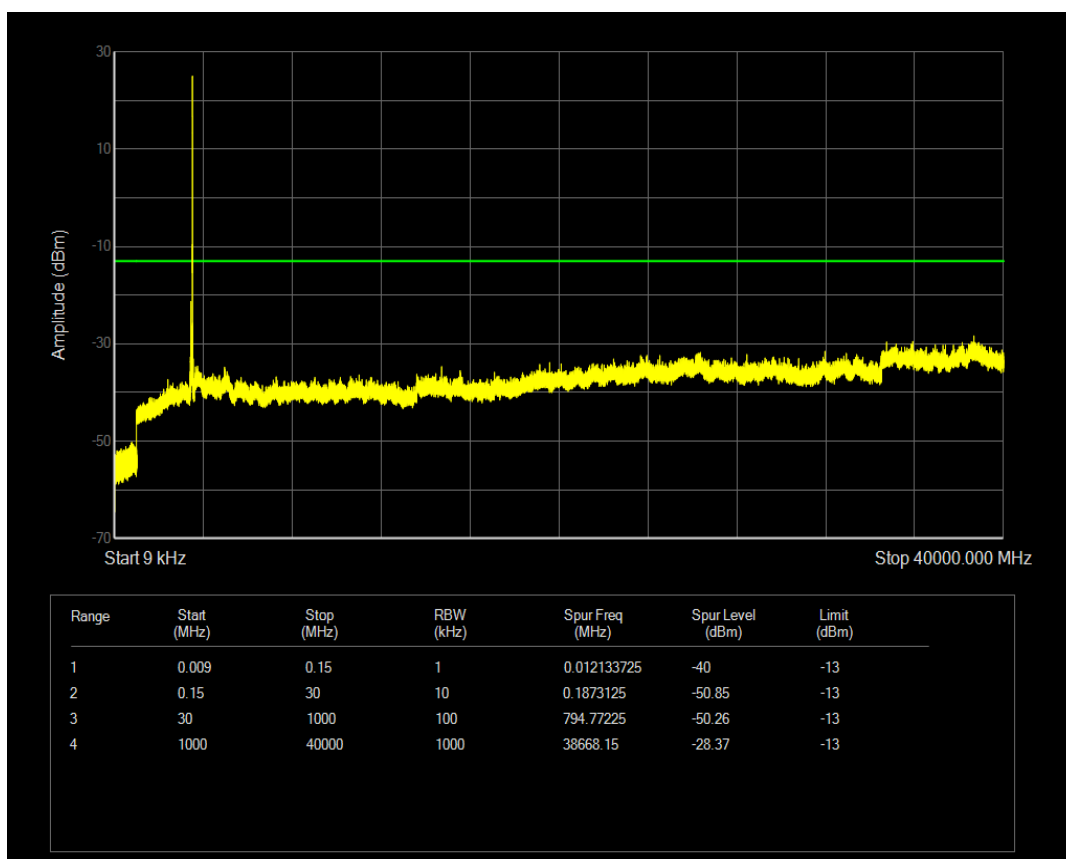
n78(3450-3550) SCS=30kHz DFT_QPSK BW=70MHz Channel=632334 RB=180@0



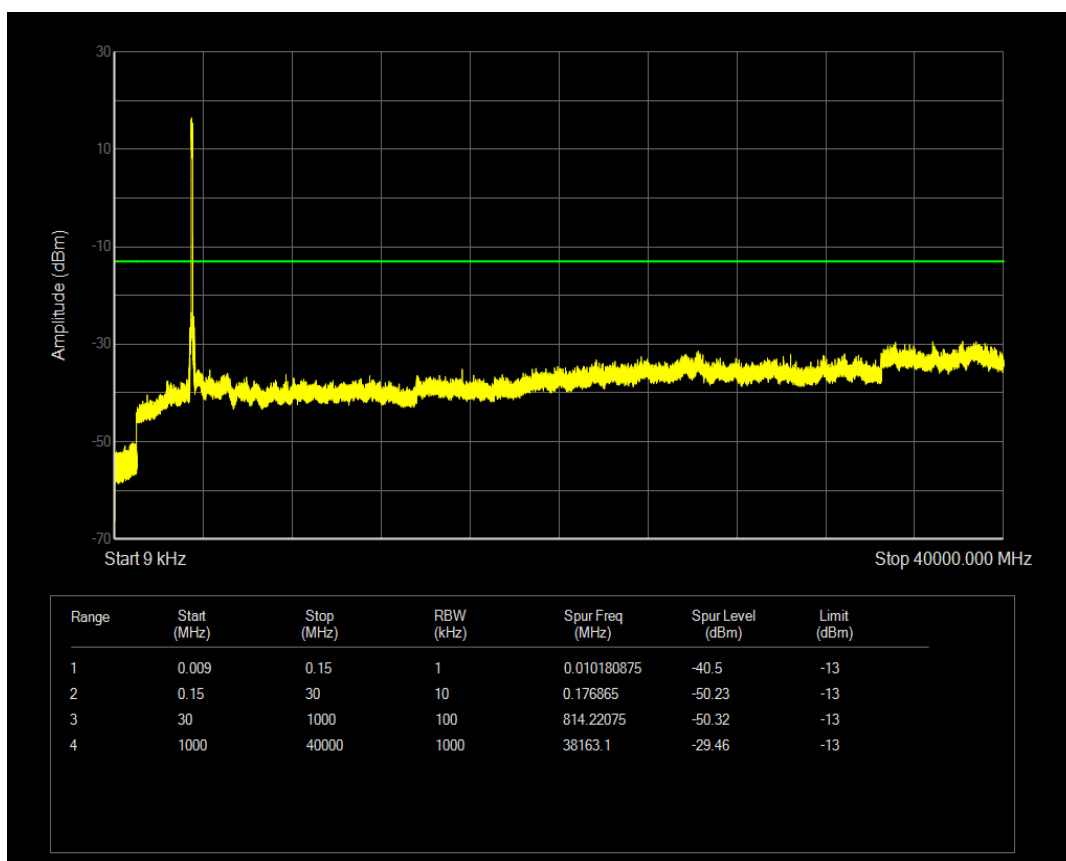
n78(3450-3550) SCS=30kHz DFT_QPSK BW=70MHz Channel=632334 RB=1@0



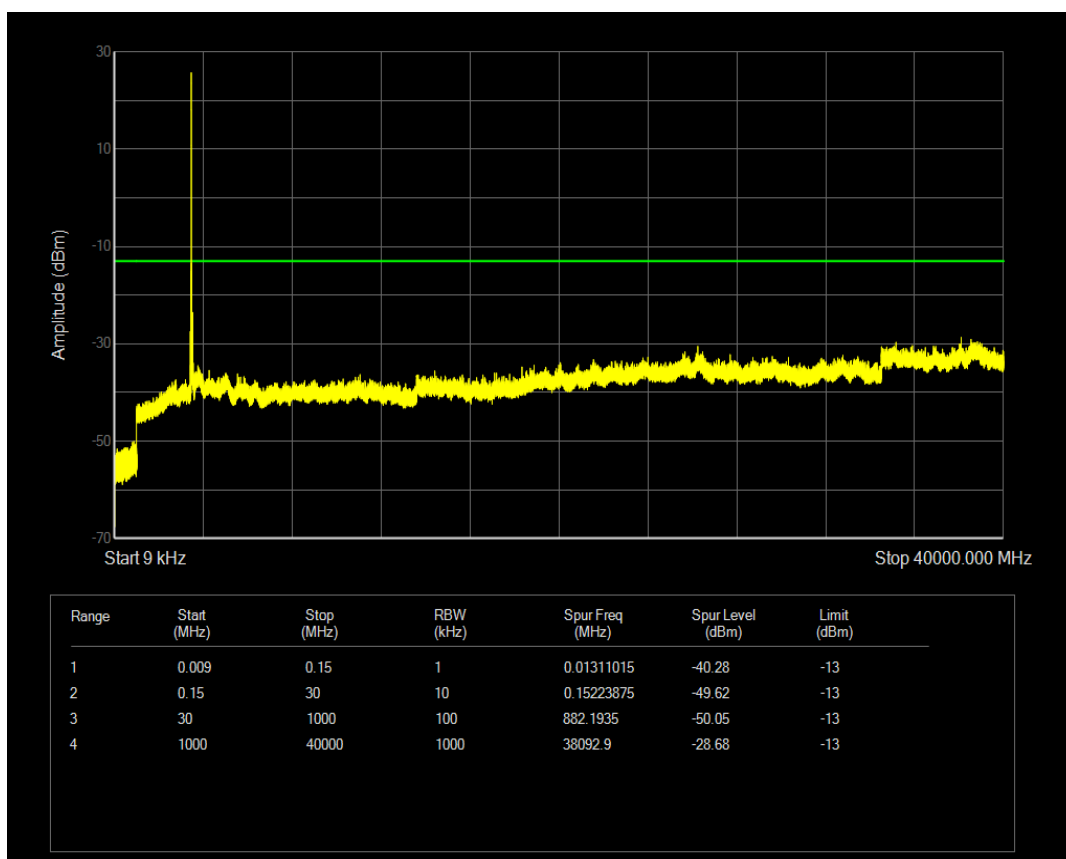
n78(3450-3550) SCS=30kHz DFT_QPSK BW=70MHz Channel=632334 RB=1@188



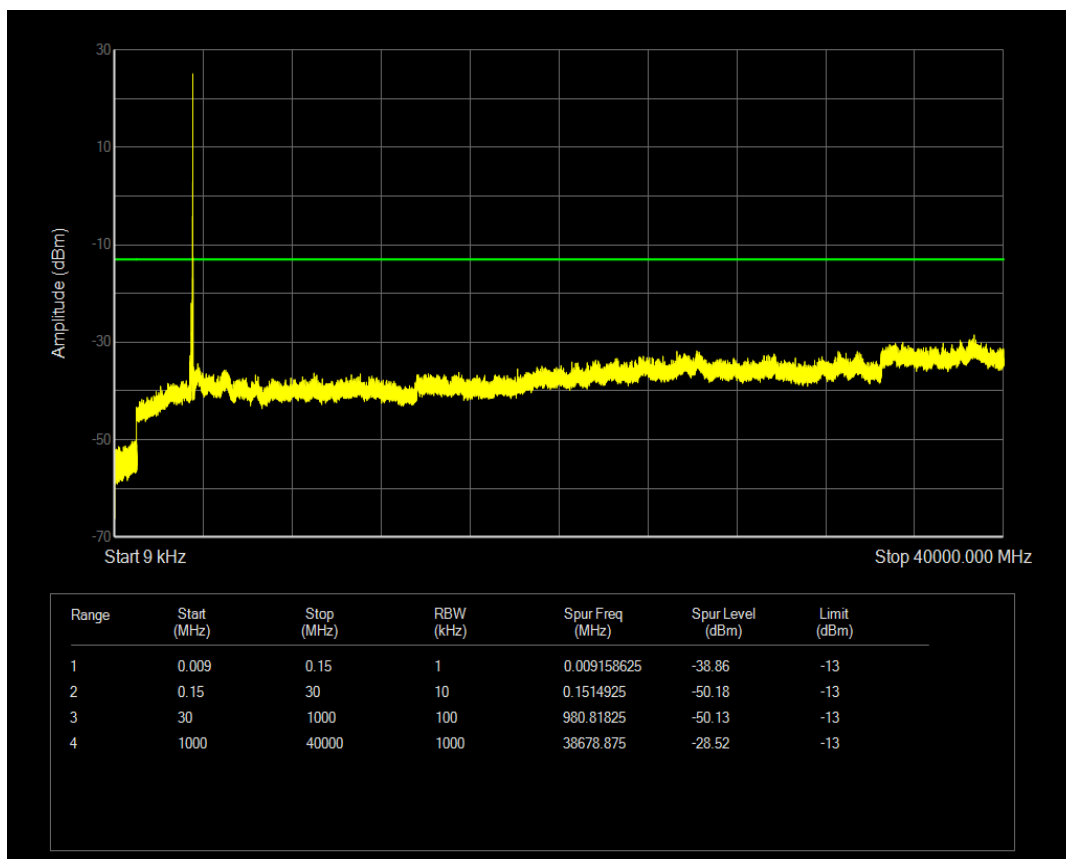
n78(3450-3550) SCS=30kHz DFT_QPSK BW=70MHz Channel=633334 RB=180@0



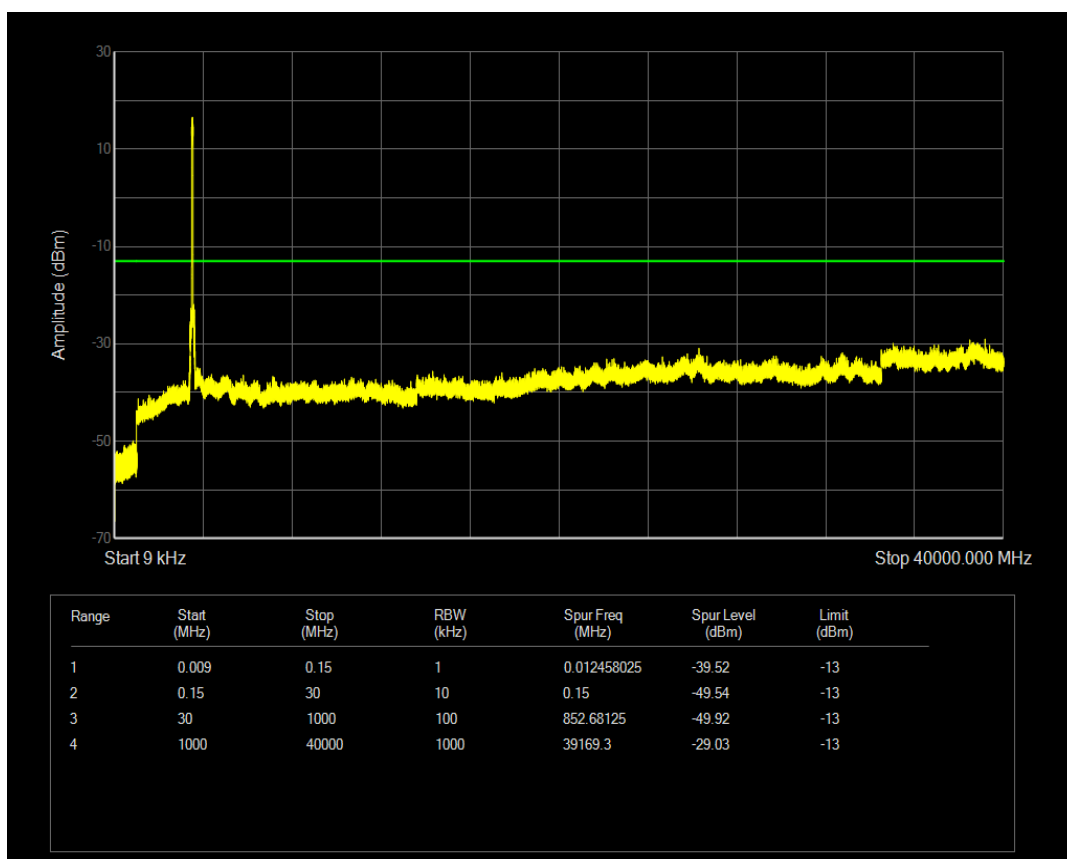
n78(3450-3550) SCS=30kHz DFT_QPSK BW=70MHz Channel=633334 RB=1@0



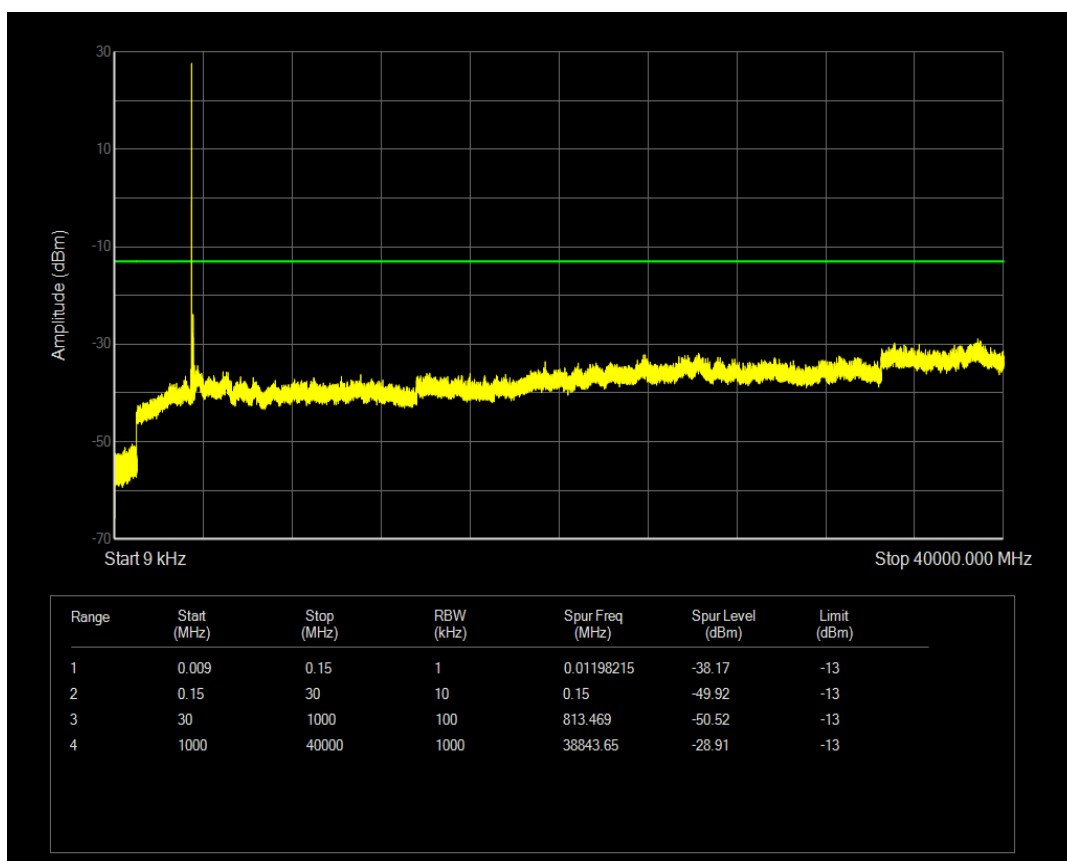
n78(3450-3550) SCS=30kHz DFT_QPSK BW=70MHz Channel=633334 RB=1@188



n78(3450-3550) SCS=30kHz DFT_QPSK BW=70MHz Channel=634332 RB=180@0



n78(3450-3550) SCS=30kHz DFT_QPSK BW=70MHz Channel=634332 RB=1@0



n78(3450-3550) SCS=30kHz DFT_QPSK BW=70MHz Channel=634332 RB=1@188

