

1 Conducted output power for NR FR1

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Power (dBm)	Unflip EIRP (dBm)	Flip EIRP (dBm)	EIRP Limit (dBm)	Verdict
n78(3450-3550)	30	70	632334	90@45	DFT_BPSK	26.27	25.17	25.36	33.01	PASS
n78(3450-3550)	30	70	632334	1@1	DFT_BPSK	25.74	24.64	24.83	33.01	PASS
n78(3450-3550)	30	70	632334	1@187	DFT_BPSK	25.54	24.44	24.63	33.01	PASS
n78(3450-3550)	30	70	632334	90@45	DFT_QPSK	26.23	25.13	25.32	33.01	PASS
n78(3450-3550)	30	70	632334	1@1	DFT_QPSK	25.69	24.59	24.78	33.01	PASS
n78(3450-3550)	30	70	632334	1@187	DFT_QPSK	25.39	24.29	24.48	33.01	PASS
n78(3450-3550)	30	70	632334	90@45	DFT_QAM16	25.27	24.17	24.36	33.01	PASS
n78(3450-3550)	30	70	632334	1@1	DFT_QAM16	25.10	24.00	24.19	33.01	PASS
n78(3450-3550)	30	70	632334	1@187	DFT_QAM16	24.79	23.69	23.88	33.01	PASS
n78(3450-3550)	30	70	632334	90@45	DFT_QAM64	23.79	22.69	22.88	33.01	PASS
n78(3450-3550)	30	70	632334	1@1	DFT_QAM64	23.34	22.24	22.43	33.01	PASS
n78(3450-3550)	30	70	632334	1@187	DFT_QAM64	23.41	22.31	22.5	33.01	PASS
n78(3450-3550)	30	70	632334	90@45	DFT_QAM256	21.74	20.64	20.83	33.01	PASS
n78(3450-3550)	30	70	632334	1@1	DFT_QAM256	21.48	20.38	20.57	33.01	PASS
n78(3450-3550)	30	70	632334	1@187	DFT_QAM256	21.32	20.22	20.41	33.01	PASS
n78(3450-3550)	30	70	632334	95@47	CP_QPSK	24.67	23.57	23.76	33.01	PASS
n78(3450-3550)	30	70	632334	1@1	CP_QPSK	24.16	23.06	23.25	33.01	PASS
n78(3450-3550)	30	70	632334	1@187	CP_QPSK	23.92	22.82	23.01	33.01	PASS
n78(3450-3550)	30	70	632334	95@47	CP_QAM16	24.23	23.13	23.32	33.01	PASS
n78(3450-3550)	30	70	632334	1@1	CP_QAM16	23.79	22.69	22.88	33.01	PASS
n78(3450-3550)	30	70	632334	1@187	CP_QAM16	23.48	22.38	22.57	33.01	PASS
n78(3450-3550)	30	70	632334	95@47	CP_QAM64	22.67	21.57	21.76	33.01	PASS
n78(3450-3550)	30	70	632334	1@1	CP_QAM64	22.31	21.21	21.4	33.01	PASS
n78(3450-3550)	30	70	632334	1@187	CP_QAM64	21.96	20.86	21.05	33.01	PASS
n78(3450-3550)	30	70	632334	95@47	CP_QAM256	19.89	18.79	18.98	33.01	PASS
n78(3450-3550)	30	70	632334	1@1	CP_QAM256	19.90	18.80	18.99	33.01	PASS
n78(3450-3550)	30	70	632334	1@187	CP_QAM256	19.62	18.52	18.71	33.01	PASS
n78(3450-3550)	30	70	633334	90@45	DFT_BPSK	26.12	25.02	25.21	33.01	PASS
n78(3450-3550)	30	70	633334	1@1	DFT_BPSK	25.96	24.86	25.05	33.01	PASS
n78(3450-3550)	30	70	633334	1@187	DFT_BPSK	25.28	24.18	24.37	33.01	PASS
n78(3450-3550)	30	70	633334	90@45	DFT_QPSK	26.08	24.98	25.17	33.01	PASS
n78(3450-3550)	30	70	633334	1@1	DFT_QPSK	25.84	24.74	24.93	33.01	PASS
n78(3450-3550)	30	70	633334	1@187	DFT_QPSK	25.16	24.06	24.25	33.01	PASS
n78(3450-3550)	30	70	633334	90@45	DFT_QAM16	25.11	24.01	24.2	33.01	PASS
n78(3450-3550)	30	70	633334	1@1	DFT_QAM16	24.96	23.86	24.05	33.01	PASS
n78(3450-3550)	30	70	633334	1@187	DFT_QAM16	24.34	23.24	23.43	33.01	PASS
n78(3450-3550)	30	70	633334	90@45	DFT_QAM64	23.64	22.54	22.73	33.01	PASS
n78(3450-3550)	30	70	633334	1@1	DFT_QAM64	23.64	22.54	22.73	33.01	PASS

n78(3450-3550)	30	70	633334	1@187	DFT_QAM64	23.01	21.91	22.1	33.01	PASS
n78(3450-3550)	30	70	633334	90@45	DFT_QAM256	21.58	20.48	20.67	33.01	PASS
n78(3450-3550)	30	70	633334	1@1	DFT_QAM256	21.50	20.40	20.59	33.01	PASS
n78(3450-3550)	30	70	633334	1@187	DFT_QAM256	20.98	19.88	20.07	33.01	PASS
n78(3450-3550)	30	70	633334	95@47	CP_QPSK	24.59	23.49	23.68	33.01	PASS
n78(3450-3550)	30	70	633334	1@1	CP_QPSK	24.54	23.44	23.63	33.01	PASS
n78(3450-3550)	30	70	633334	1@187	CP_QPSK	23.84	22.74	22.93	33.01	PASS
n78(3450-3550)	30	70	633334	95@47	CP_QAM16	24.01	22.91	23.1	33.01	PASS
n78(3450-3550)	30	70	633334	1@1	CP_QAM16	24.06	22.96	23.15	33.01	PASS
n78(3450-3550)	30	70	633334	1@187	CP_QAM16	23.45	22.35	22.54	33.01	PASS
n78(3450-3550)	30	70	633334	95@47	CP_QAM64	22.51	21.41	21.6	33.01	PASS
n78(3450-3550)	30	70	633334	1@1	CP_QAM64	22.43	21.33	21.52	33.01	PASS
n78(3450-3550)	30	70	633334	1@187	CP_QAM64	21.82	20.72	20.91	33.01	PASS
n78(3450-3550)	30	70	633334	95@47	CP_QAM256	19.77	18.67	18.86	33.01	PASS
n78(3450-3550)	30	70	633334	1@1	CP_QAM256	20.12	19.02	19.21	33.01	PASS
n78(3450-3550)	30	70	633334	1@187	CP_QAM256	18.93	17.83	18.02	33.01	PASS
n78(3450-3550)	30	70	634332	90@45	DFT_BPSK	25.97	24.87	25.06	33.01	PASS
n78(3450-3550)	30	70	634332	1@1	DFT_BPSK	25.84	24.74	24.93	33.01	PASS
n78(3450-3550)	30	70	634332	1@187	DFT_BPSK	25.38	24.28	24.47	33.01	PASS
n78(3450-3550)	30	70	634332	90@45	DFT_QPSK	25.95	24.85	25.04	33.01	PASS
n78(3450-3550)	30	70	634332	1@1	DFT_QPSK	25.72	24.62	24.81	33.01	PASS
n78(3450-3550)	30	70	634332	1@187	DFT_QPSK	25.19	24.09	24.28	33.01	PASS
n78(3450-3550)	30	70	634332	90@45	DFT_QAM16	24.97	23.87	24.06	33.01	PASS
n78(3450-3550)	30	70	634332	1@1	DFT_QAM16	25.17	24.07	24.26	33.01	PASS
n78(3450-3550)	30	70	634332	1@187	DFT_QAM16	24.42	23.32	23.51	33.01	PASS
n78(3450-3550)	30	70	634332	90@45	DFT_QAM64	23.53	22.43	22.62	33.01	PASS
n78(3450-3550)	30	70	634332	1@1	DFT_QAM64	23.52	22.42	22.61	33.01	PASS
n78(3450-3550)	30	70	634332	1@187	DFT_QAM64	23.27	22.17	22.36	33.01	PASS
n78(3450-3550)	30	70	634332	90@45	DFT_QAM256	21.48	20.38	20.57	33.01	PASS
n78(3450-3550)	30	70	634332	1@1	DFT_QAM256	21.65	20.55	20.74	33.01	PASS
n78(3450-3550)	30	70	634332	1@187	DFT_QAM256	21.16	20.06	20.25	33.01	PASS
n78(3450-3550)	30	70	634332	95@47	CP_QPSK	24.40	23.30	23.49	33.01	PASS
n78(3450-3550)	30	70	634332	1@1	CP_QPSK	24.36	23.26	23.45	33.01	PASS
n78(3450-3550)	30	70	634332	1@187	CP_QPSK	23.84	22.74	22.93	33.01	PASS
n78(3450-3550)	30	70	634332	95@47	CP_QAM16	23.92	22.82	23.01	33.01	PASS
n78(3450-3550)	30	70	634332	1@1	CP_QAM16	23.97	22.87	23.06	33.01	PASS
n78(3450-3550)	30	70	634332	1@187	CP_QAM16	23.47	22.37	22.56	33.01	PASS
n78(3450-3550)	30	70	634332	95@47	CP_QAM64	22.49	21.39	21.58	33.01	PASS
n78(3450-3550)	30	70	634332	1@1	CP_QAM64	22.31	21.21	21.4	33.01	PASS
n78(3450-3550)	30	70	634332	1@187	CP_QAM64	21.80	20.70	20.89	33.01	PASS
n78(3450-3550)	30	70	634332	95@47	CP_QAM256	19.63	18.53	18.72	33.01	PASS
n78(3450-3550)	30	70	634332	1@1	CP_QAM256	19.33	18.23	18.42	33.01	PASS
n78(3450-3550)	30	70	634332	1@187	CP_QAM256	19.46	18.36	18.55	33.01	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	3.91	-29.36	-0.01	Within authorized band for 5G NR n78	PASS
n78(3450-3550)	30	70	633334	90@45	DFT_BPSK	3.45	-29.15	-0.01		PASS
n78(3450-3550)	30	70	633334	90@45	DFT_BPSK	4.50	-30.38	-0.01		PASS
n78(3450-3550)	30	70	633334	90@45	DFT_QPSK	3.91	-28.16	-0.01		PASS
n78(3450-3550)	30	70	633334	90@45	DFT_QPSK	3.45	-30.66	-0.01		PASS
n78(3450-3550)	30	70	633334	90@45	DFT_QPSK	4.50	-27.92	-0.01		PASS

Note: Only the worst case shown in the report.

NV:

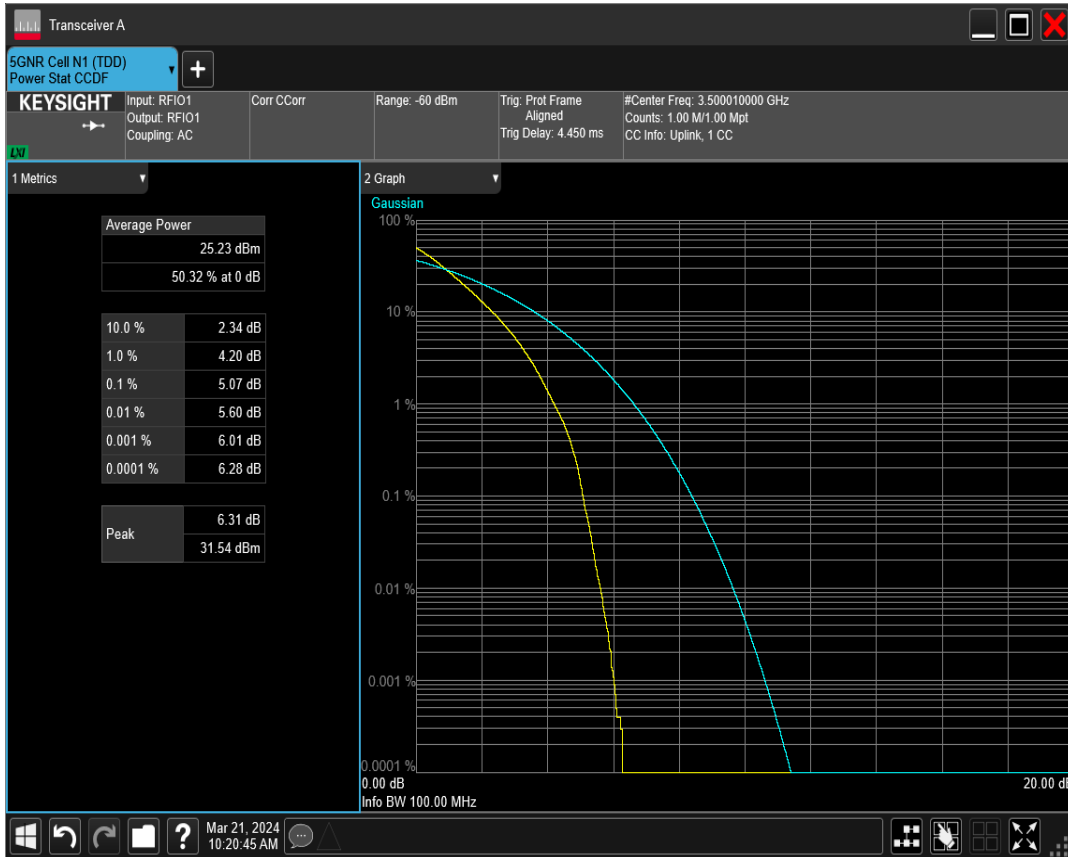
Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Voltage (Vdc)	Result(Hz)	Result (ppm)	Limit (ppm)	Verdict
n78(3450-3550)	30	70	633334	90@45	DFT_BPSK	-30	-31.34	-0.01	Within authorized band for 5G NR n78	PASS
n78(3450-3550)	30	70	633334	90@45	DFT_BPSK	-20	-26.53	-0.01		PASS
n78(3450-3550)	30	70	633334	90@45	DFT_BPSK	-10	-23.29	-0.01		PASS
n78(3450-3550)	30	70	633334	90@45	DFT_BPSK	0	-28.54	-0.01		PASS
n78(3450-3550)	30	70	633334	90@45	DFT_BPSK	10	-29.92	-0.01		PASS
n78(3450-3550)	30	70	633334	90@45	DFT_BPSK	20	-24.5	-0.01		PASS
n78(3450-3550)	30	70	633334	90@45	DFT_BPSK	30	-25.74	-0.01		PASS
n78(3450-3550)	30	70	633334	90@45	DFT_BPSK	40	-23.23	-0.01		PASS
n78(3450-3550)	30	70	633334	90@45	DFT_BPSK	50	-29.75	-0.01		PASS
n78(3450-3550)	30	70	633334	90@45	DFT_QPSK	-30	-33.64	-0.01		PASS
n78(3450-3550)	30	70	633334	90@45	DFT_QPSK	-20	-30.15	-0.01		PASS
n78(3450-3550)	30	70	633334	90@45	DFT_QPSK	-10	-26.49	-0.01		PASS
n78(3450-3550)	30	70	633334	90@45	DFT_QPSK	0	-24.98	-0.01		PASS
n78(3450-3550)	30	70	633334	90@45	DFT_QPSK	10	-23.44	-0.01		PASS
n78(3450-3550)	30	70	633334	90@45	DFT_QPSK	20	-26.14	-0.01		PASS
n78(3450-3550)	30	70	633334	90@45	DFT_QPSK	30	-30.39	-0.01		PASS
n78(3450-3550)	30	70	633334	90@45	DFT_QPSK	40	-31.29	-0.01		PASS
n78(3450-3550)	30	70	633334	90@45	DFT_QPSK	50	-33.58	-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	5.07	13	PASS
n78(3450-3550)	30	70	633334	180@0	DFT_QPSK	6.14	13	PASS
n78(3450-3550)	30	70	633334	180@0	DFT_QAM16	6.85	13	PASS
n78(3450-3550)	30	70	633334	180@0	DFT_QAM64	7.06	13	PASS
n78(3450-3550)	30	70	633334	180@0	DFT_QAM256	7.09	13	PASS

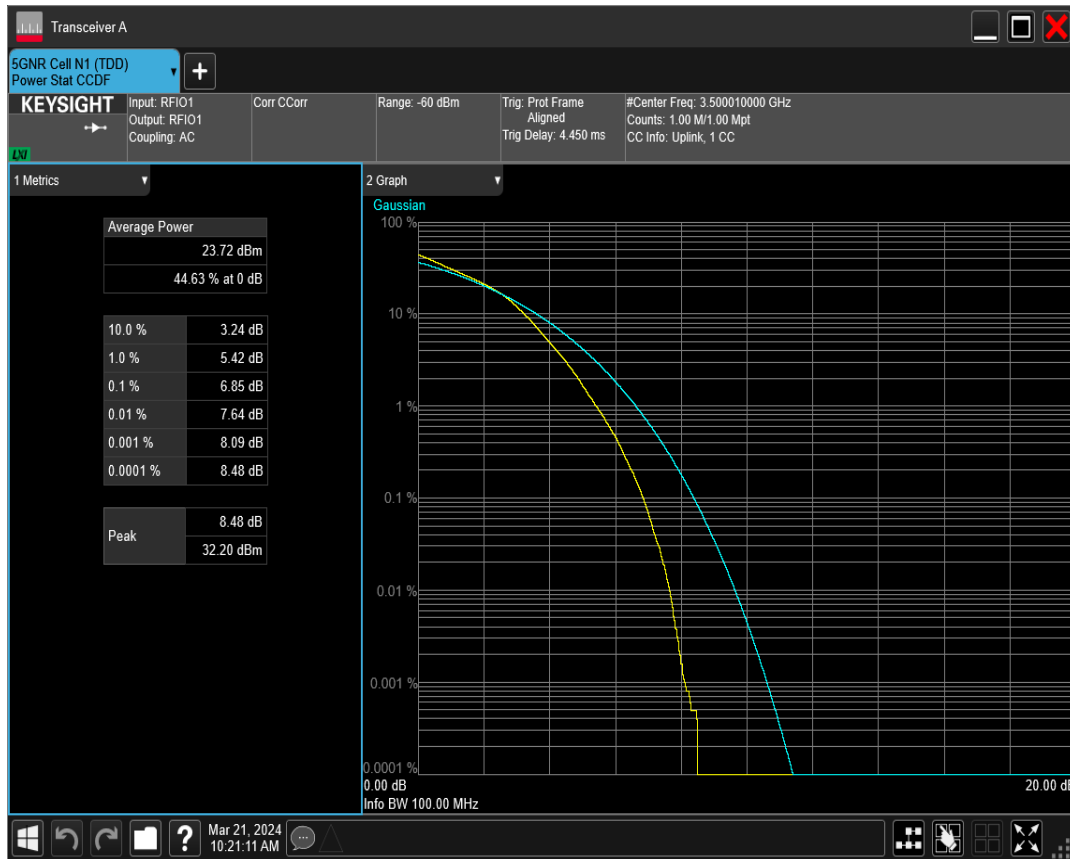
n78(3450-3550) SCS=30kHz DFT_BPSK BW=70MHz Channel=633334 RB=180@0



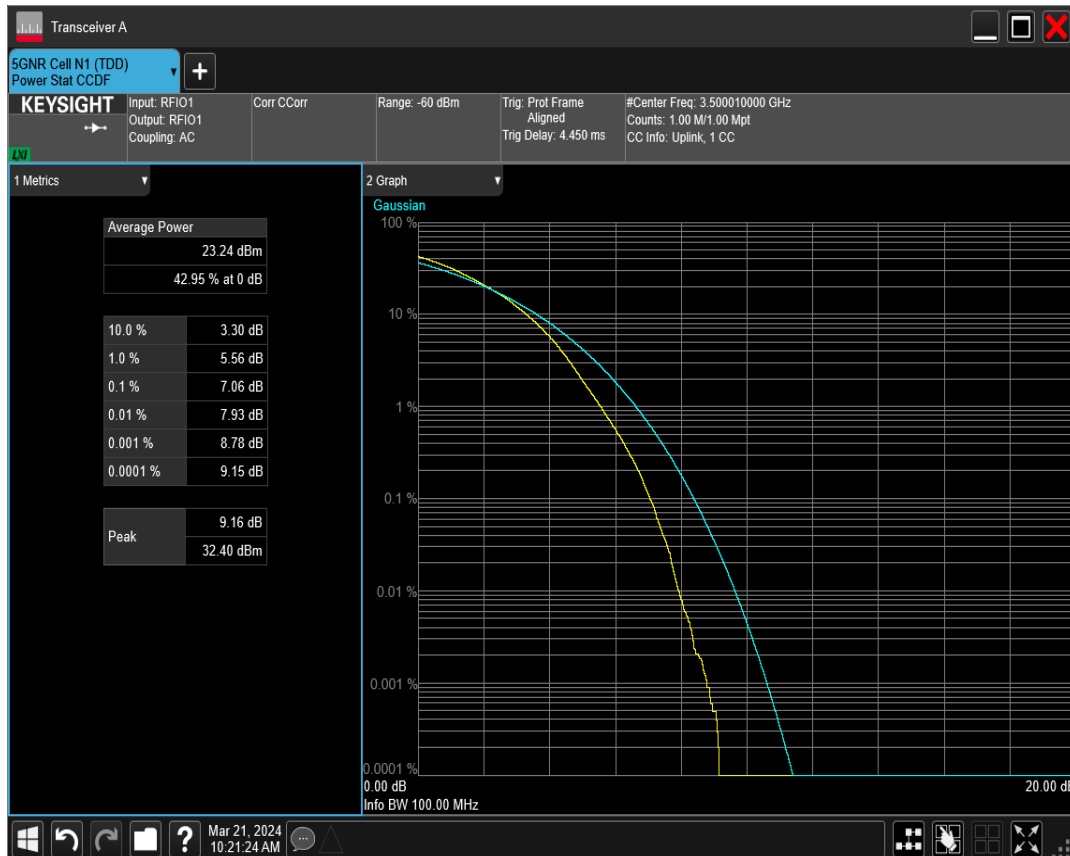
n78(3450-3550) SCS=30kHz DFT_QPSK BW=70MHz Channel=633334 RB=180@0



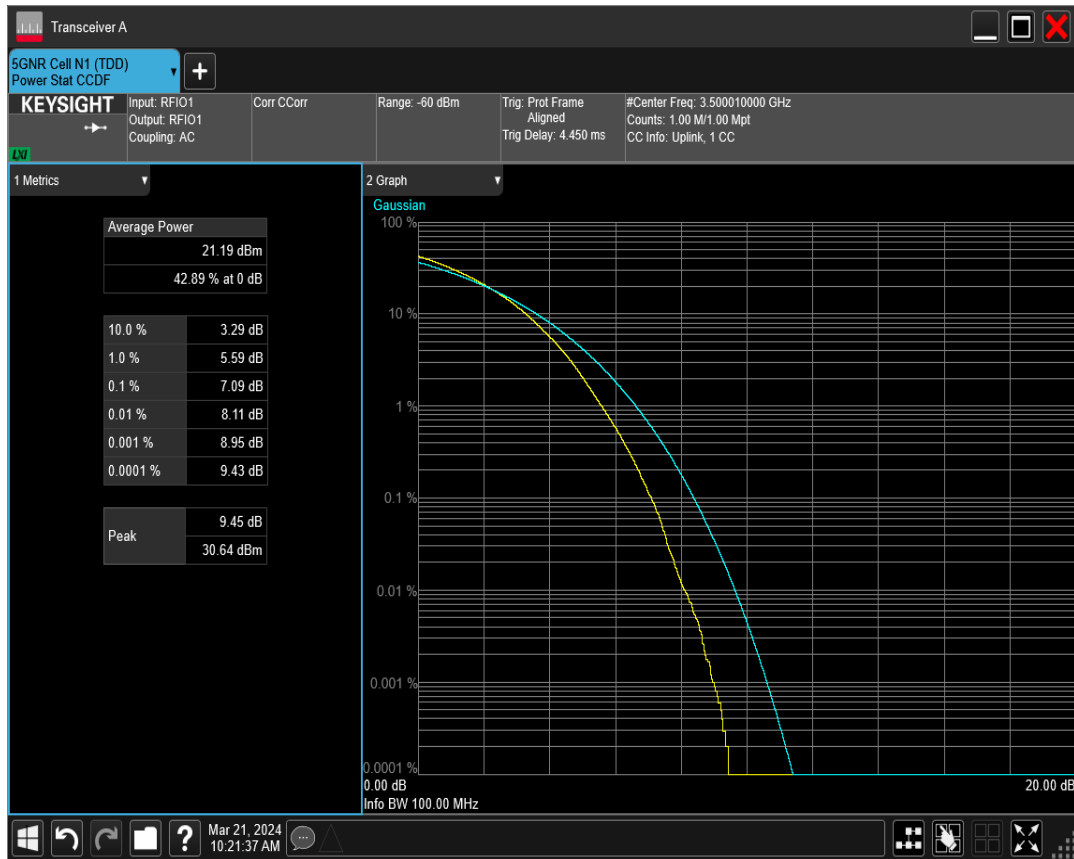
n78(3450-3550) SCS=30kHz DFT_QAM16 BW=70MHz Channel=633334 RB=180@0



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



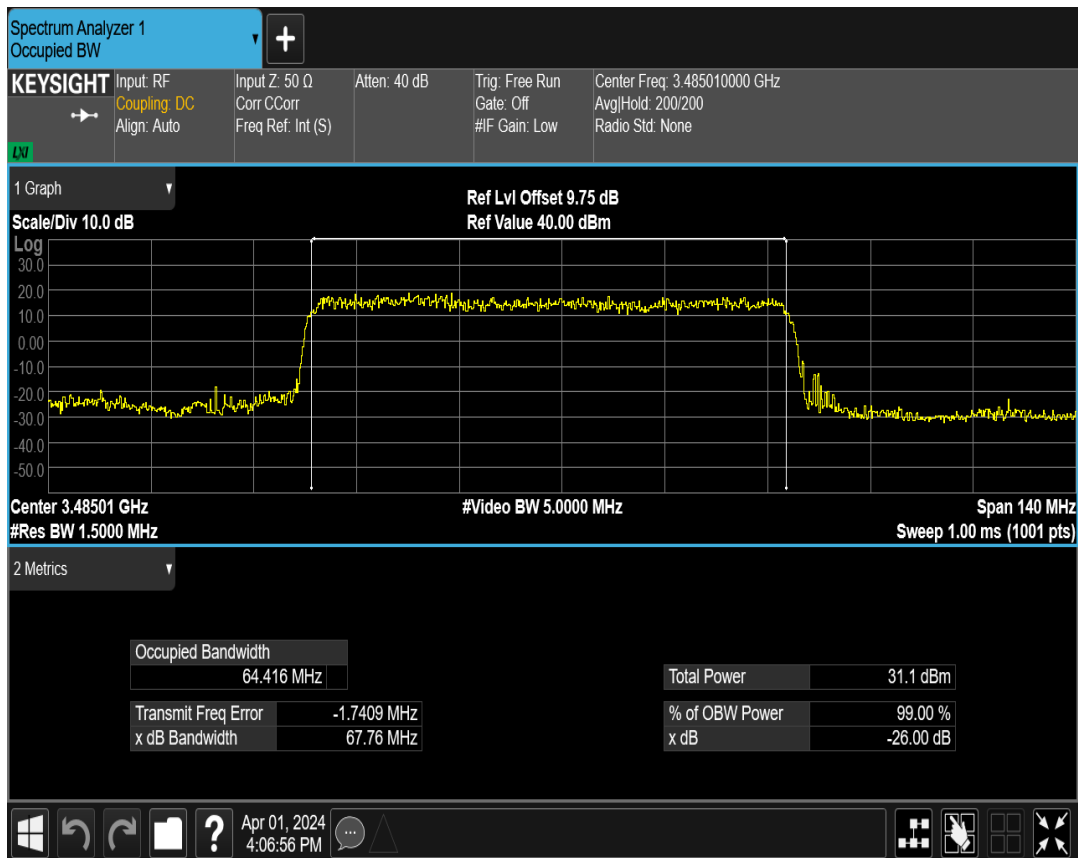
n78(3450-3550) SCS=30kHz DFT_QAM256 BW=70MHz Channel=633334 RB=180@0



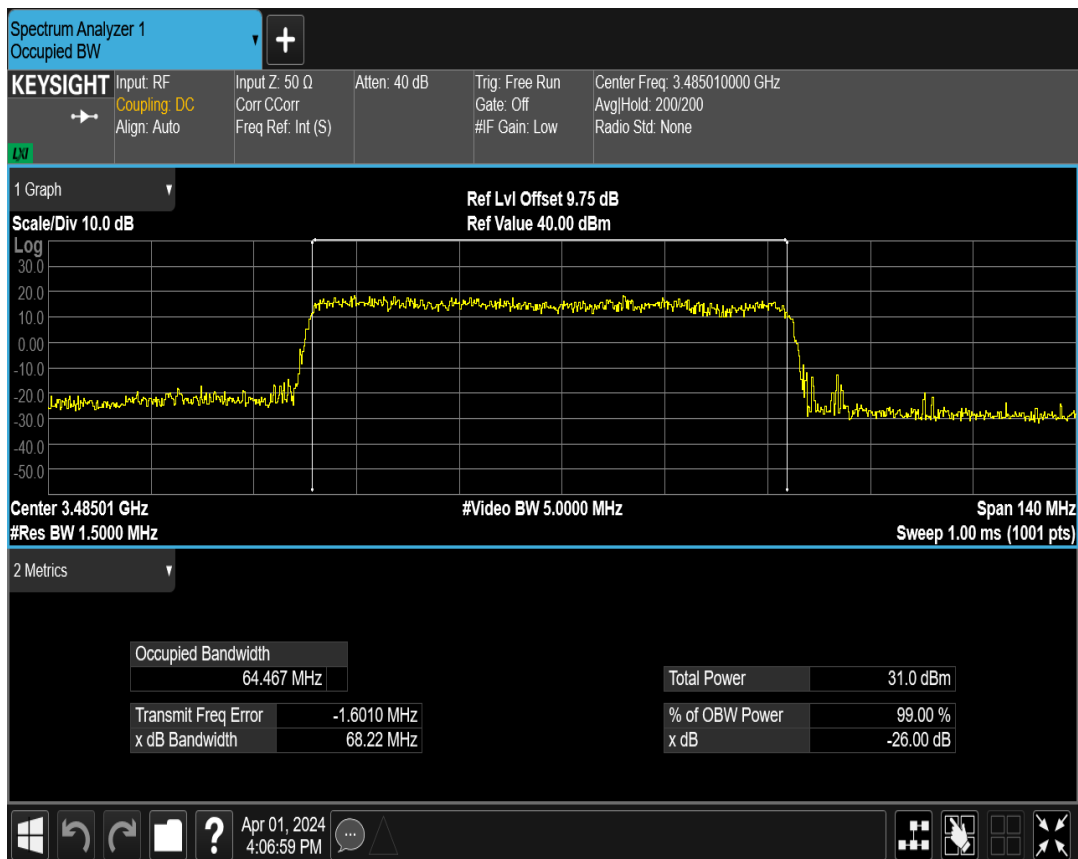
4 Occupied bandwidth for NR FR1

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	64.416	67.758	PASS
n78(3450-3550)	30	70	632334	180@0	DFT_QPSK	64.467	68.224	PASS
n78(3450-3550)	30	70	632334	180@0	DFT_QAM16	64.639	67.859	PASS
n78(3450-3550)	30	70	632334	180@0	DFT_QAM64	64.303	68.035	PASS
n78(3450-3550)	30	70	632334	180@0	DFT_QAM256	64.467	68.380	PASS
n78(3450-3550)	30	70	632334	189@0	CP_QPSK	67.545	71.269	PASS
n78(3450-3550)	30	70	633334	180@0	DFT_BPSK	64.459	68.068	PASS
n78(3450-3550)	30	70	633334	180@0	DFT_QPSK	64.414	68.767	PASS
n78(3450-3550)	30	70	633334	180@0	DFT_QAM16	64.781	67.873	PASS
n78(3450-3550)	30	70	633334	180@0	DFT_QAM64	64.711	68.445	PASS
n78(3450-3550)	30	70	633334	180@0	DFT_QAM256	64.491	68.168	PASS
n78(3450-3550)	30	70	633334	189@0	CP_QPSK	67.538	71.028	PASS
n78(3450-3550)	30	70	634332	180@0	DFT_BPSK	64.644	67.758	PASS
n78(3450-3550)	30	70	634332	180@0	DFT_QPSK	64.527	68.895	PASS
n78(3450-3550)	30	70	634332	180@0	DFT_QAM16	64.701	68.513	PASS
n78(3450-3550)	30	70	634332	180@0	DFT_QAM64	64.491	68.902	PASS
n78(3450-3550)	30	70	634332	180@0	DFT_QAM256	64.442	68.060	PASS
n78(3450-3550)	30	70	634332	189@0	CP_QPSK	67.724	71.135	PASS

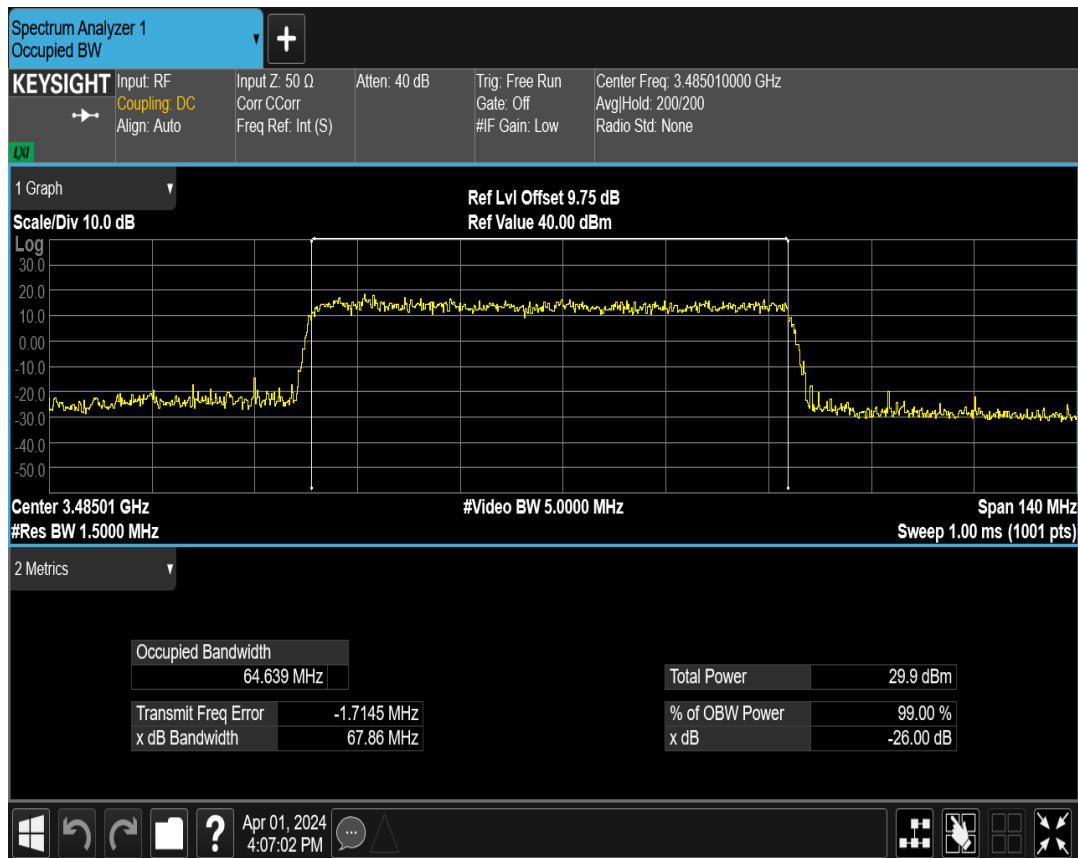
n78(3450-3550) SCS=30kHz DFT_BPSK BW=70MHz Channel=632334 RB=180@0



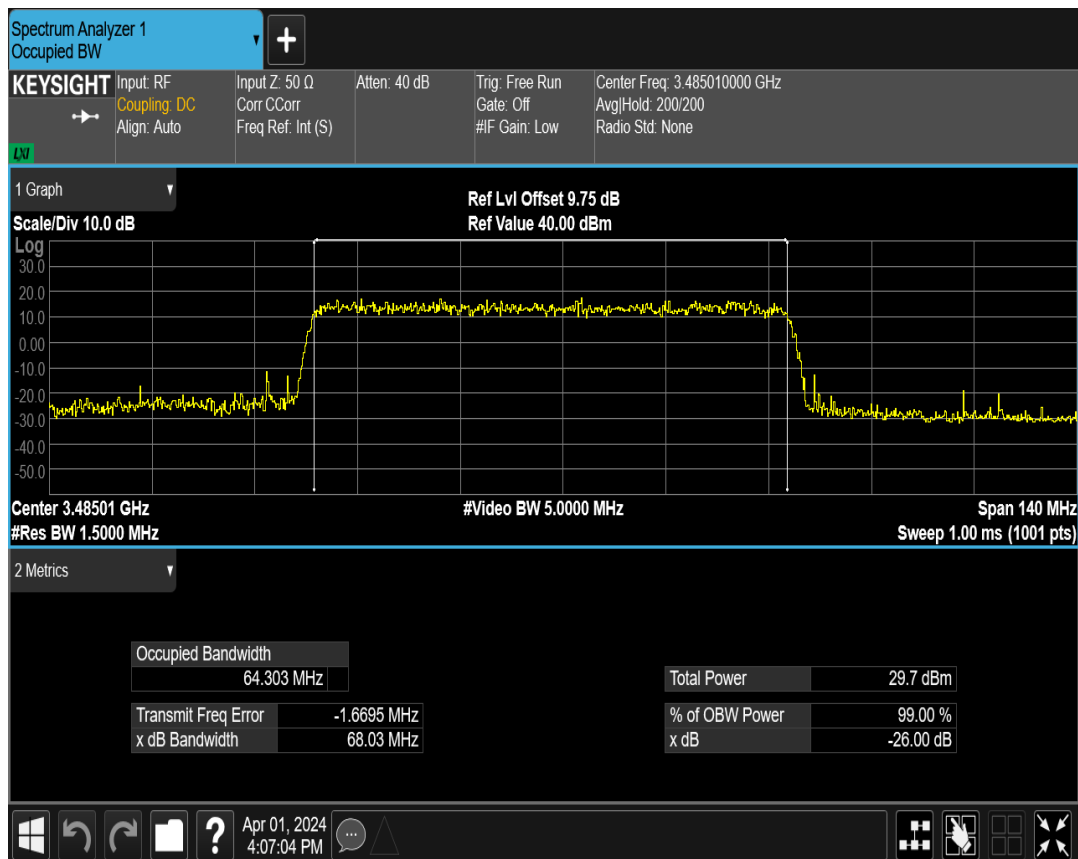
n78(3450-3550) SCS=30kHz DFT_QPSK BW=70MHz Channel=632334 RB=180@0



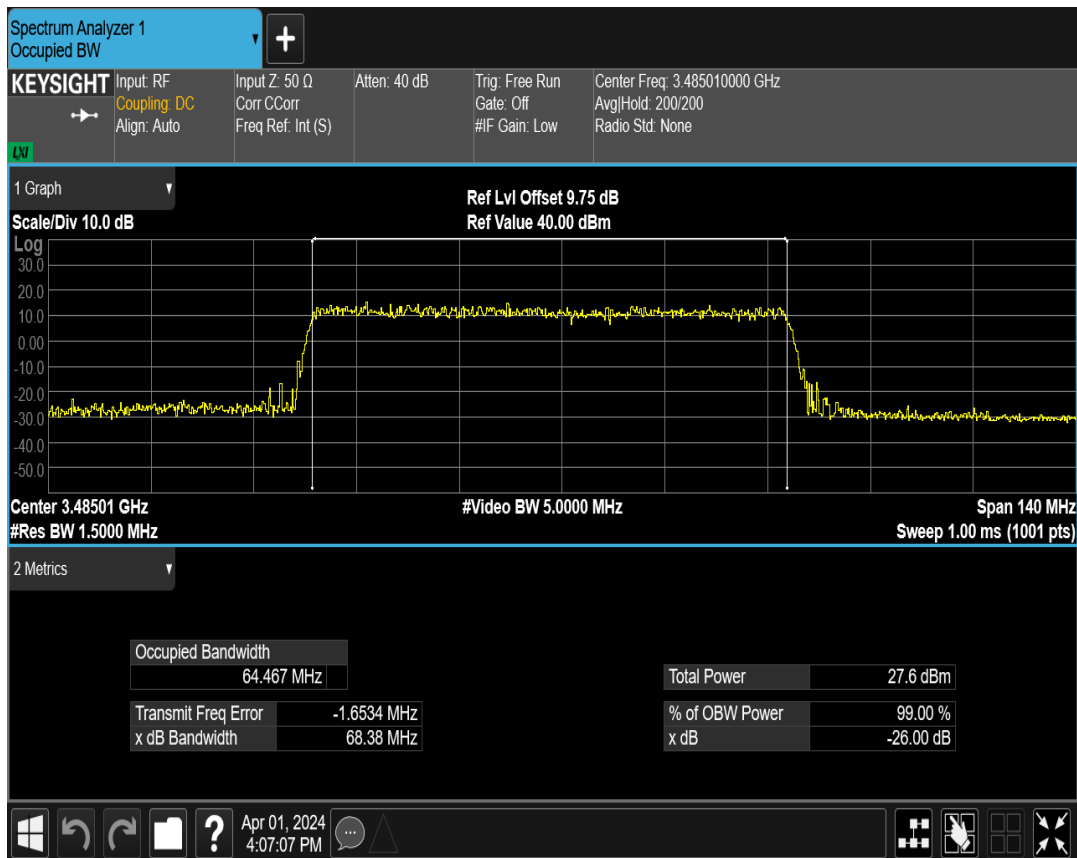
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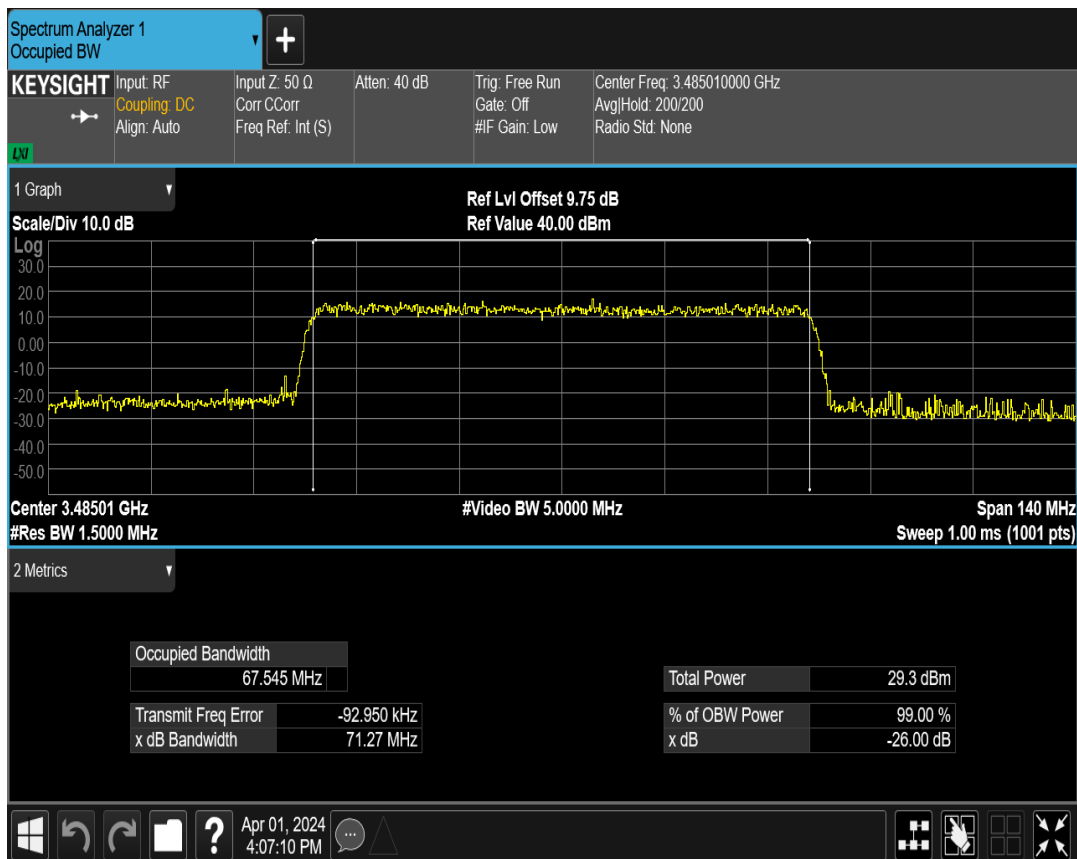
n78(3450-3550) SCS=30kHz DFT_QAM64 BW=70MHz Channel=632334 RB=180@0



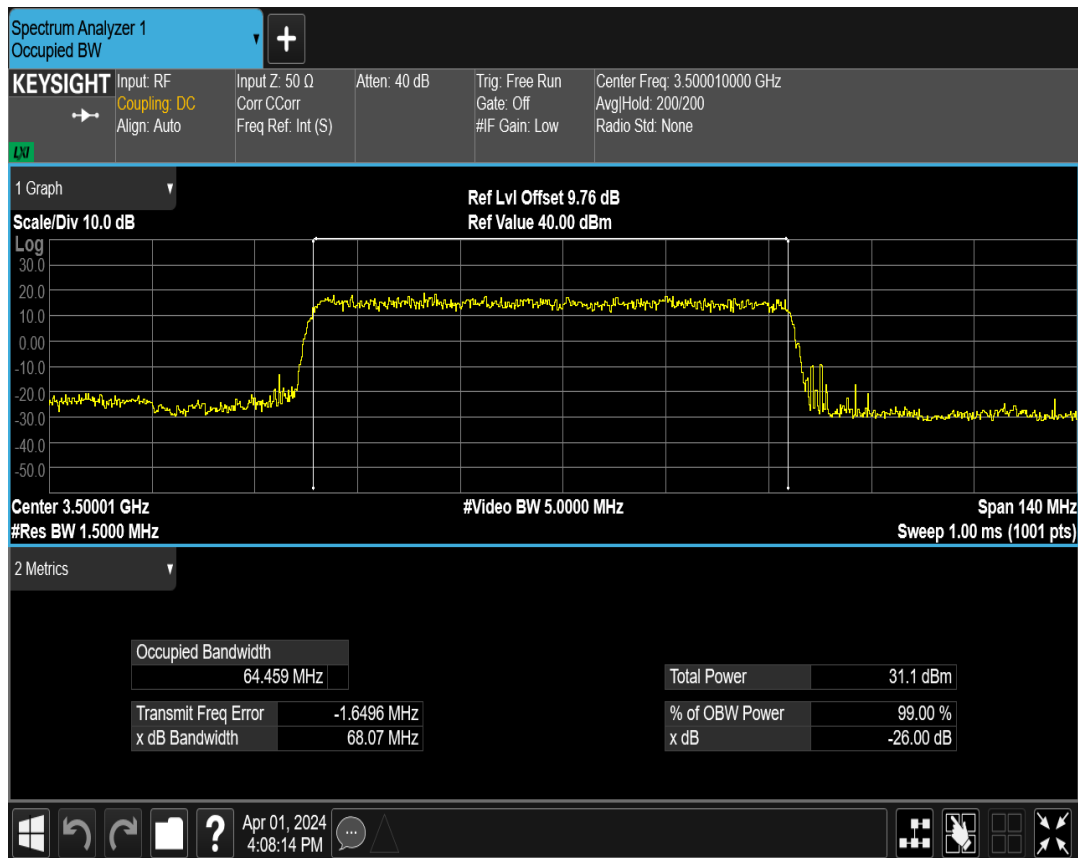
n78(3450-3550) SCS=30kHz DFT_QAM256 BW=70MHz Channel=632334 RB=180@0



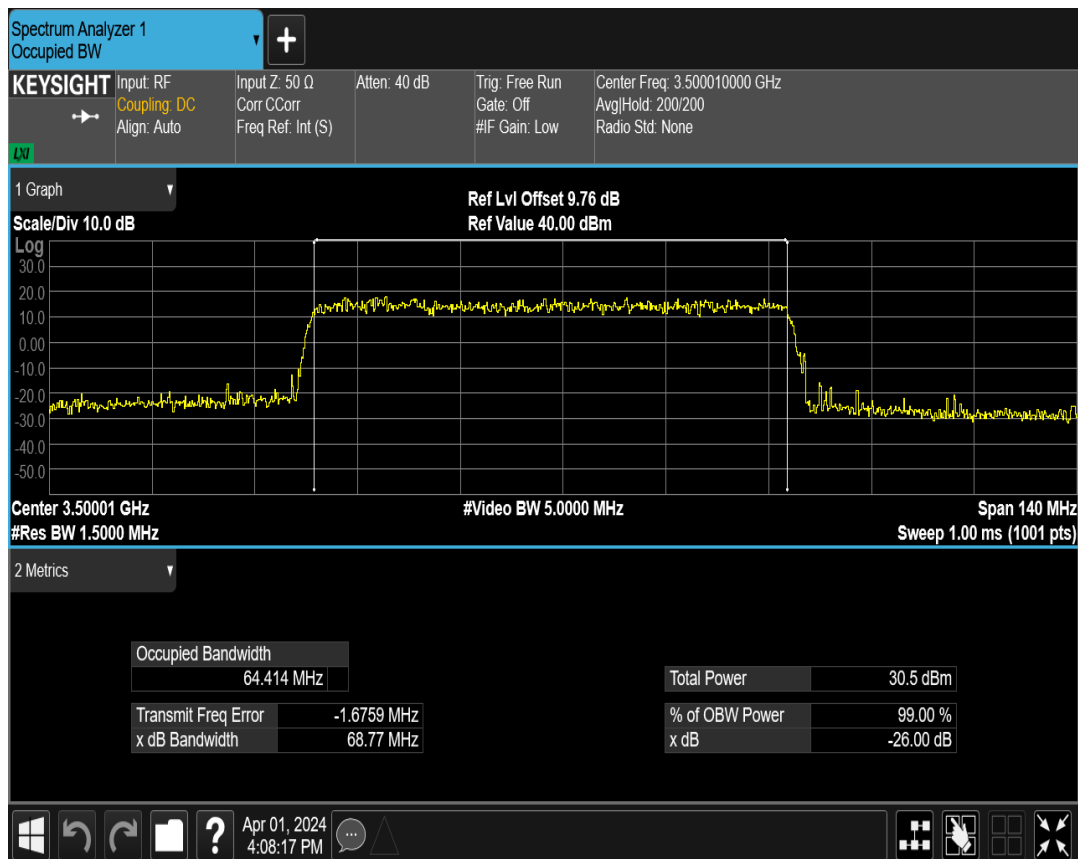
n78(3450-3550) SCS=30kHz CP_QPSK BW=70MHz Channel=632334 RB=189@0



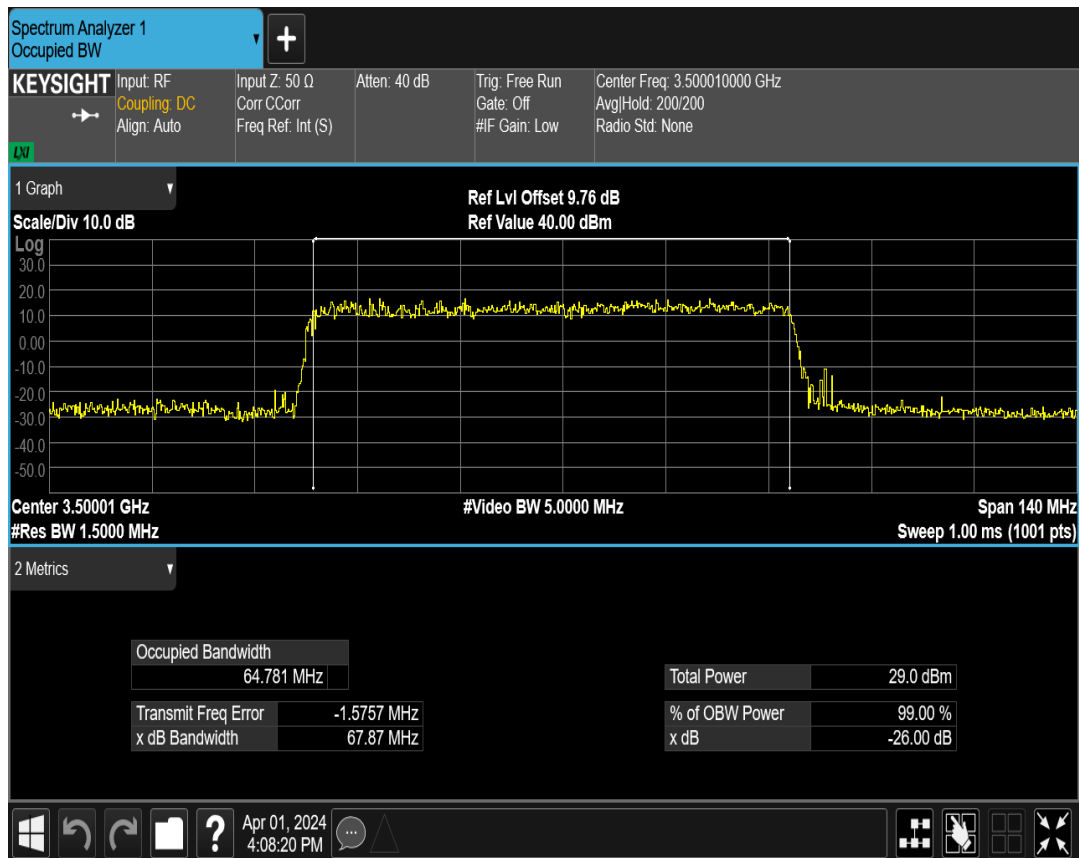
n78(3450-3550) SCS=30kHz DFT_BPSK BW=70MHz Channel=633334 RB=180@0



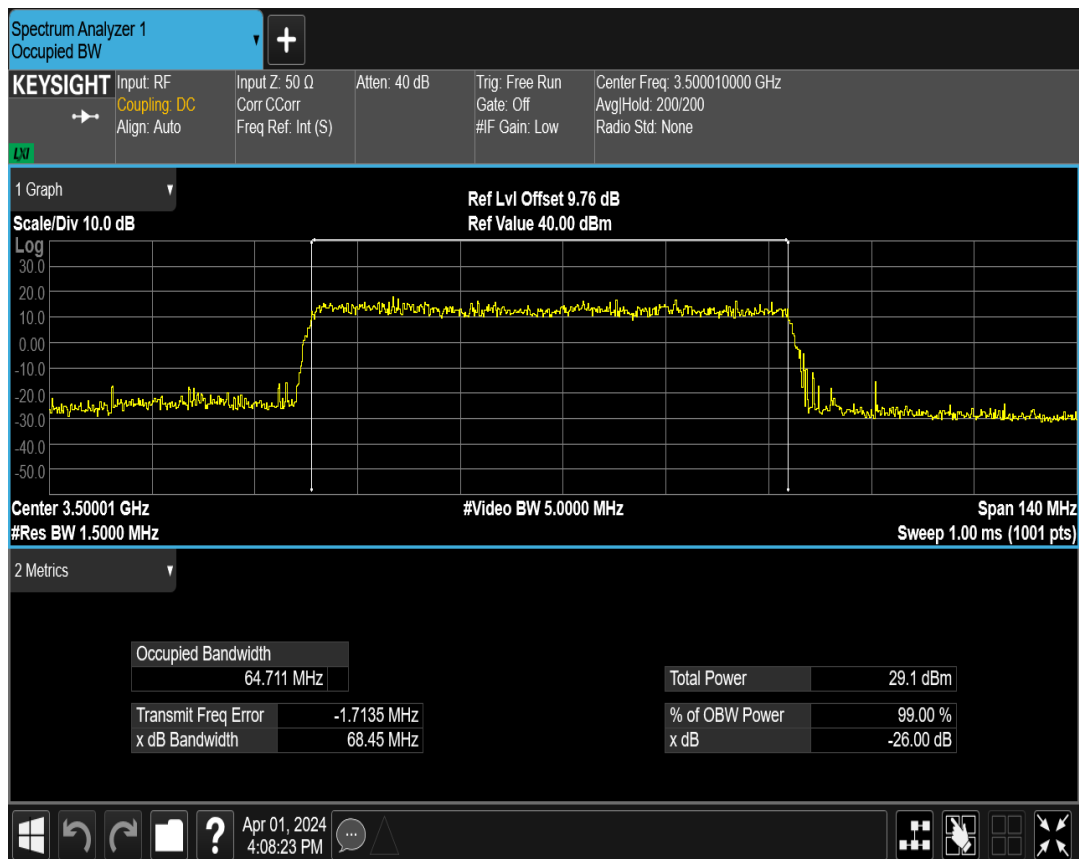
n78(3450-3550) SCS=30kHz DFT_QPSK BW=70MHz Channel=633334 RB=180@0



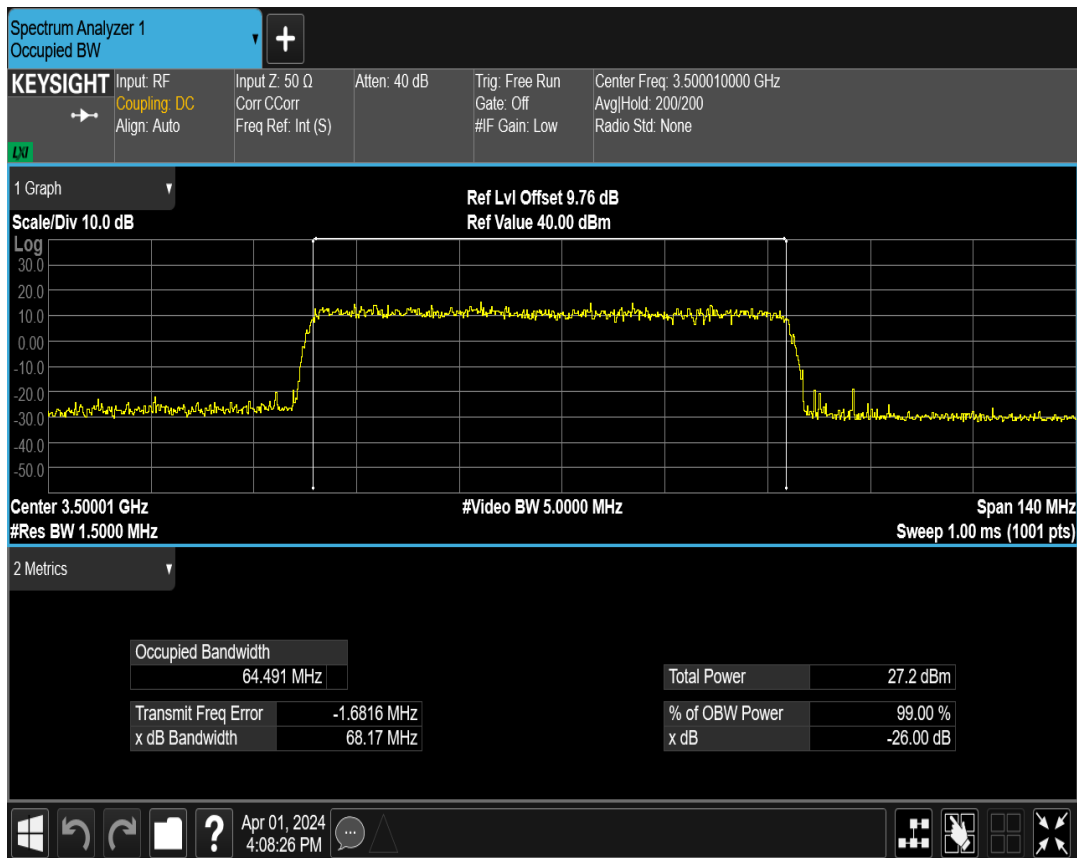
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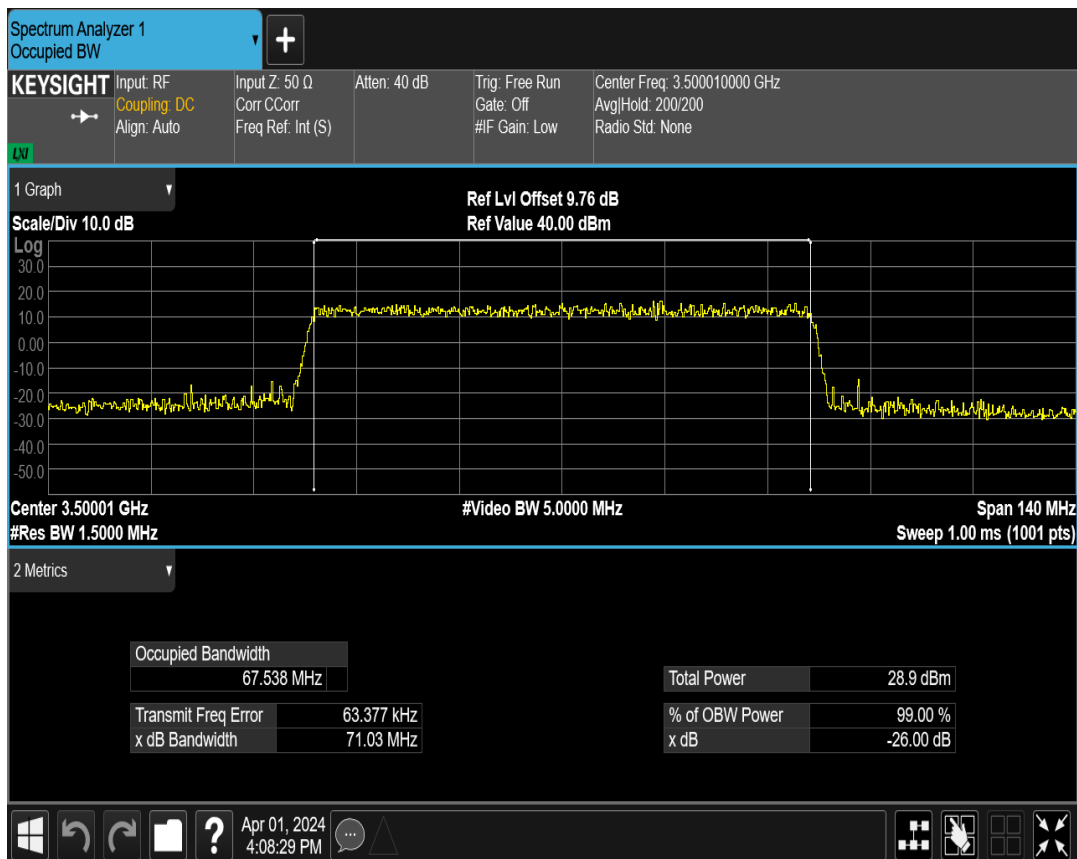
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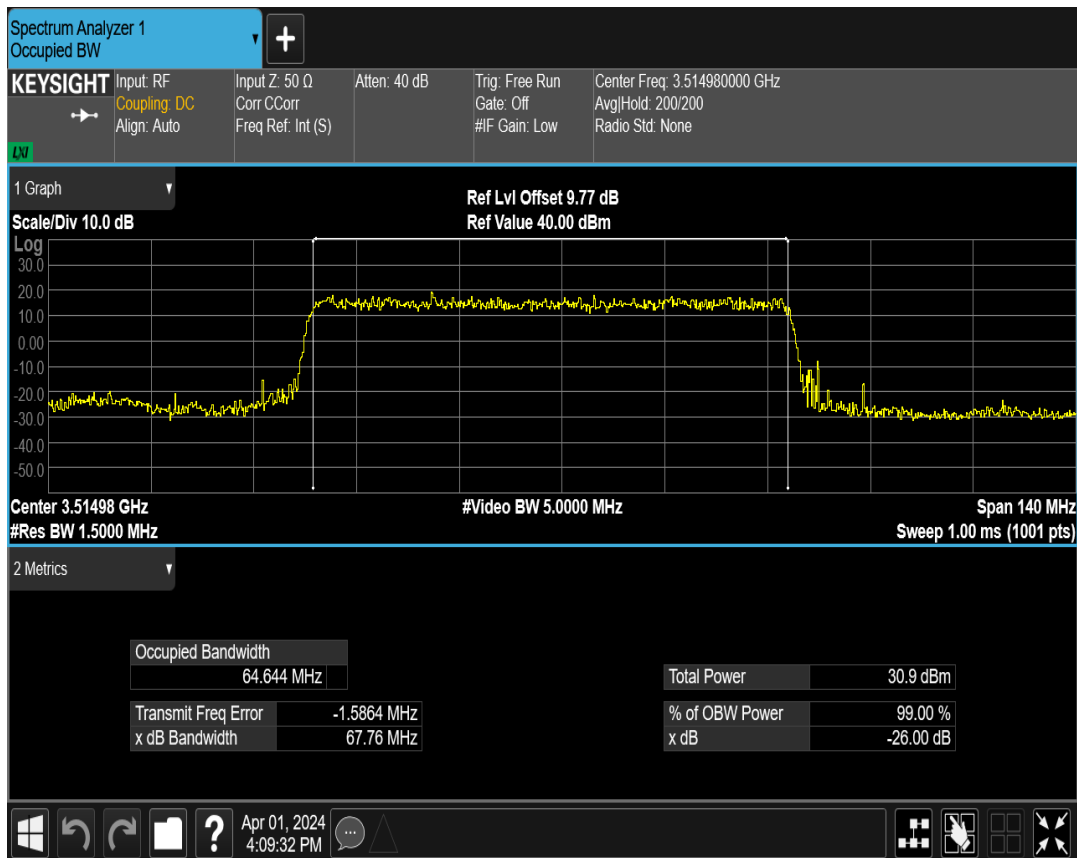
n78(3450-3550) SCS=30kHz DFT_QAM256 BW=70MHz Channel=633334 RB=180@0



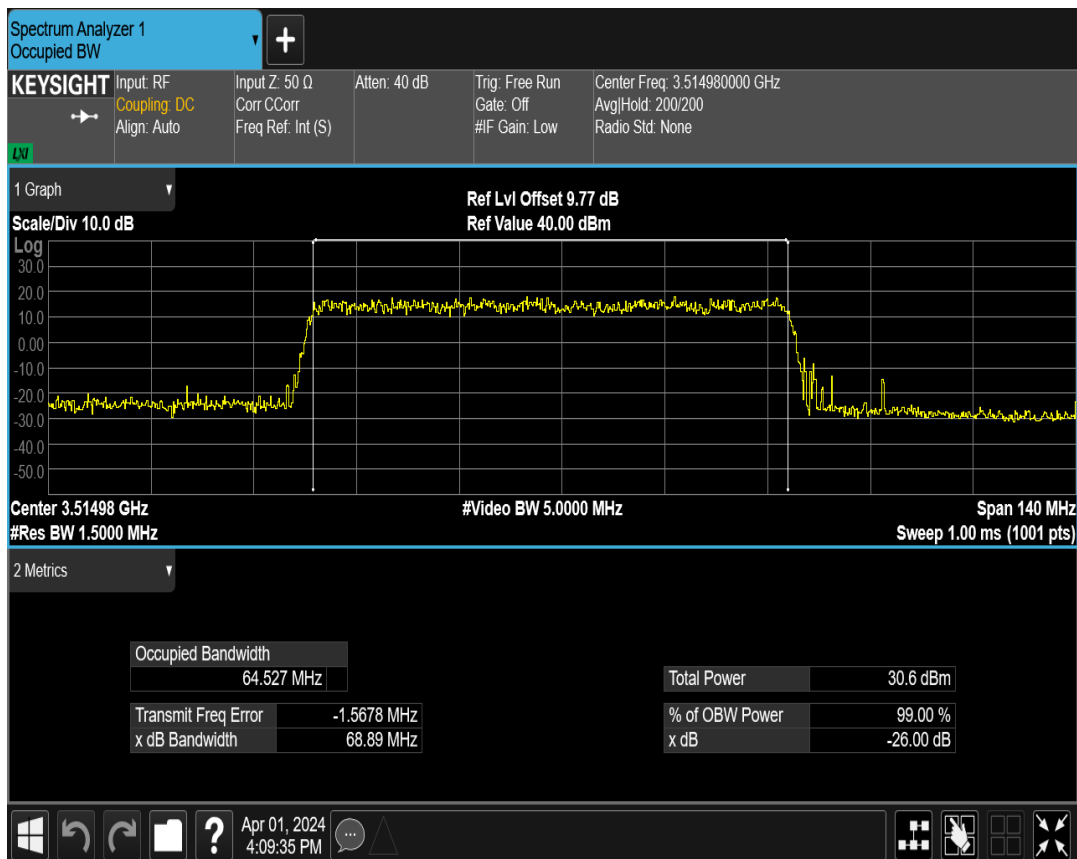
n78(3450-3550) SCS=30kHz CP_QPSK BW=70MHz Channel=633334 RB=189@0



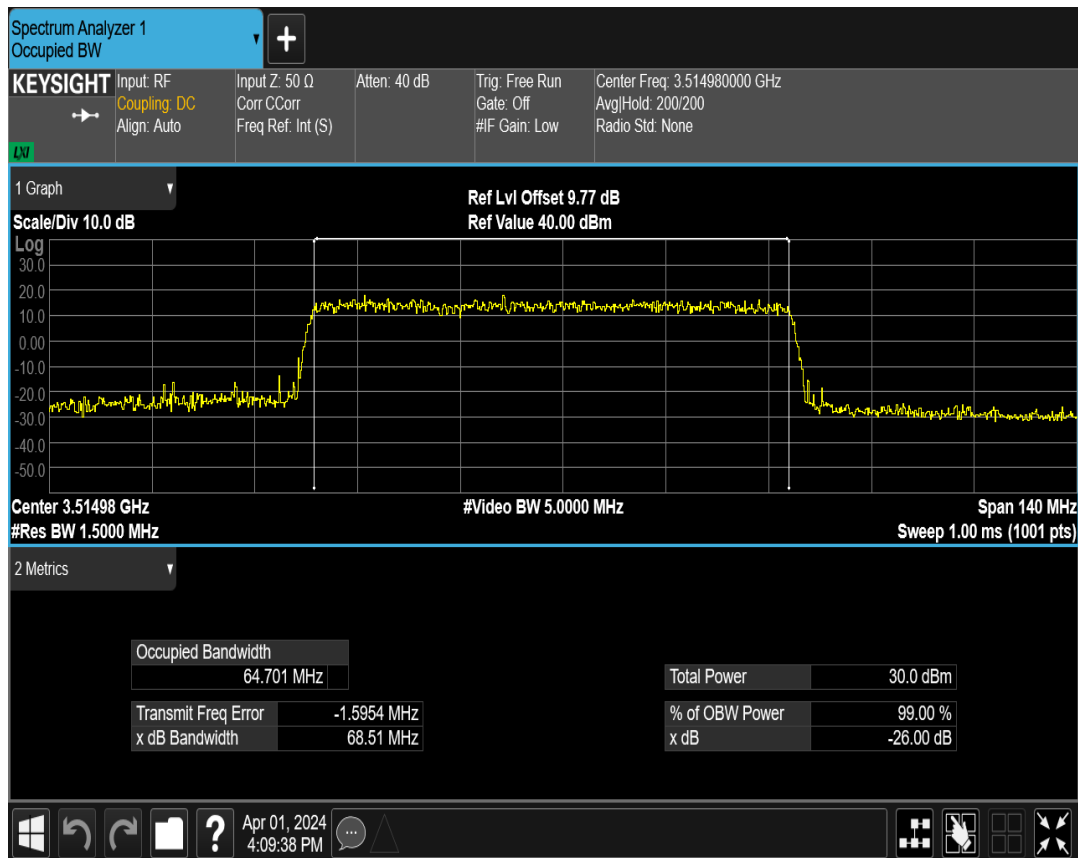
n78(3450-3550) SCS=30kHz DFT_BPSK BW=70MHz Channel=634332 RB=180@0



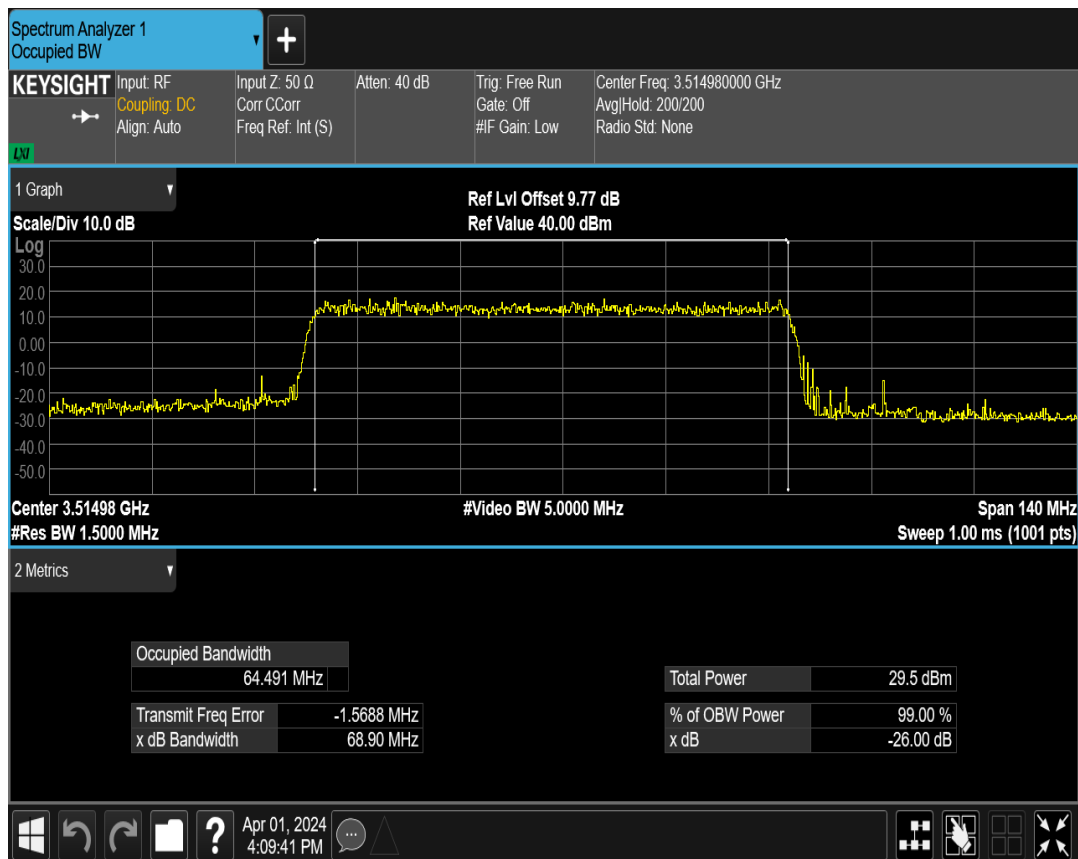
n78(3450-3550) SCS=30kHz DFT_QPSK BW=70MHz Channel=634332 RB=180@0



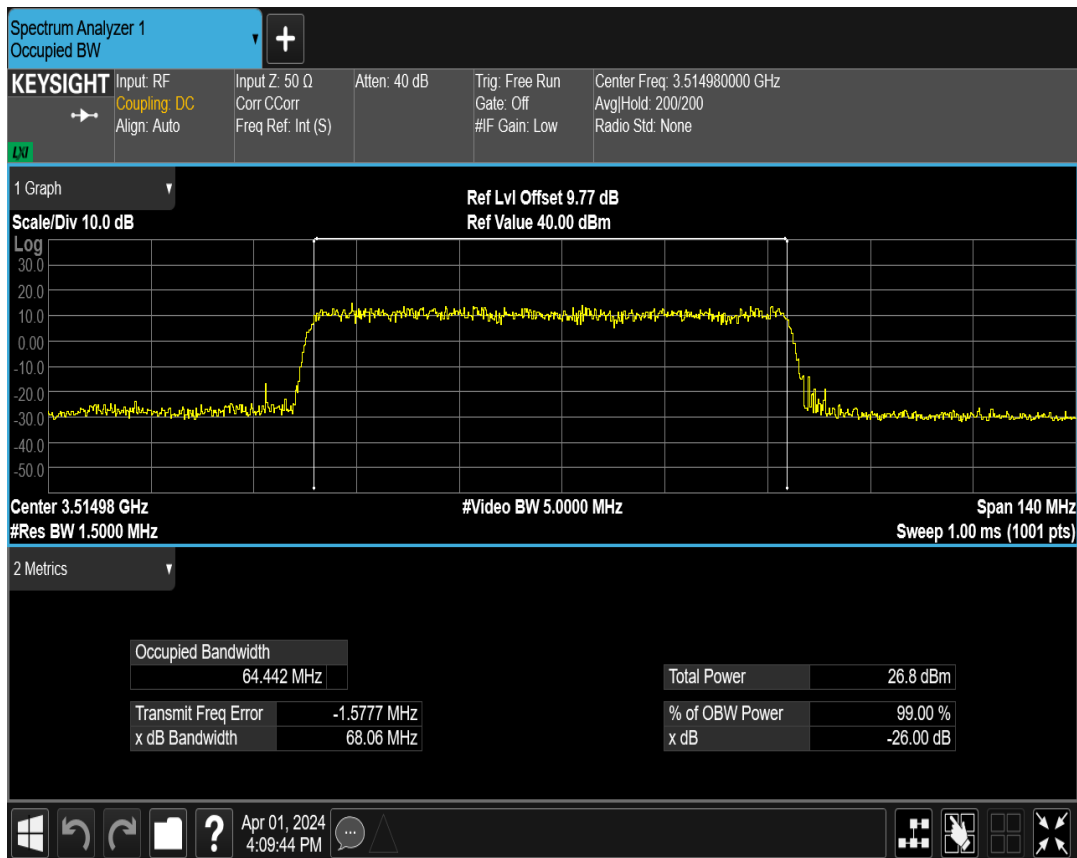
n78(3450-3550) SCS=30kHz DFT_QAM16 BW=70MHz Channel=634332 RB=180@0



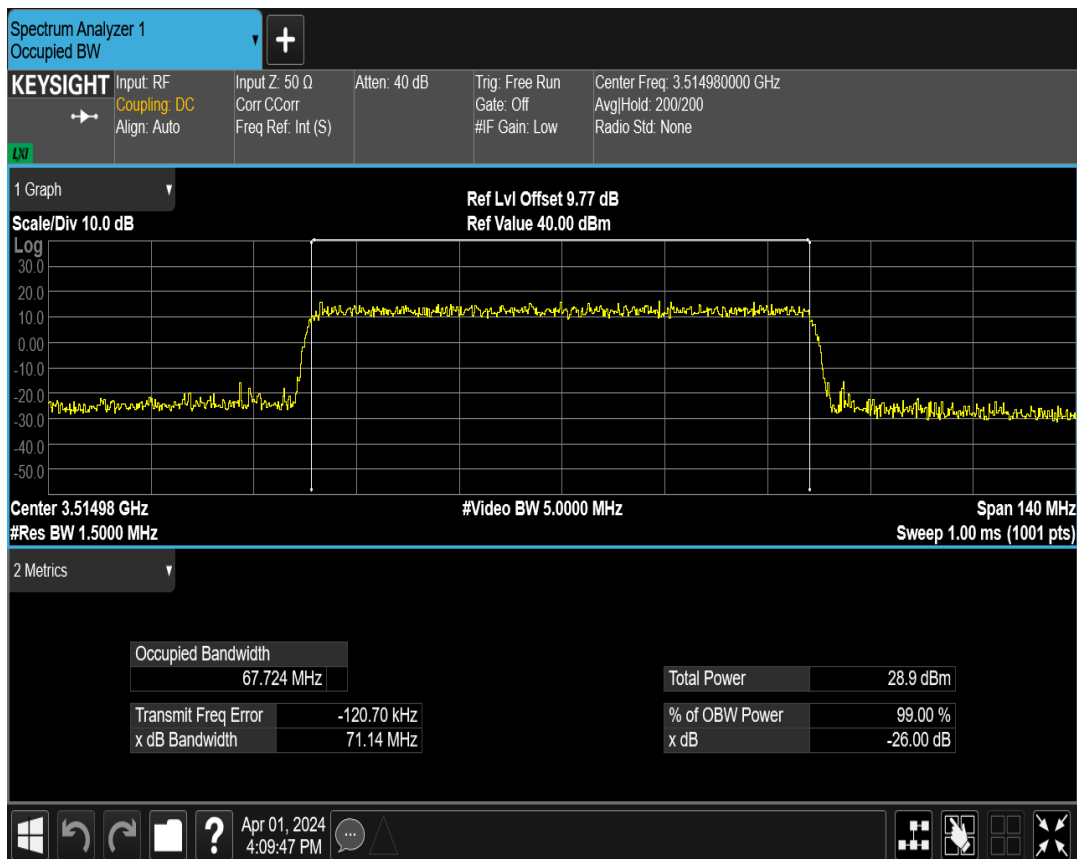
n78(3450-3550) SCS=30kHz DFT_QAM64 BW=70MHz Channel=634332 RB=180@0



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



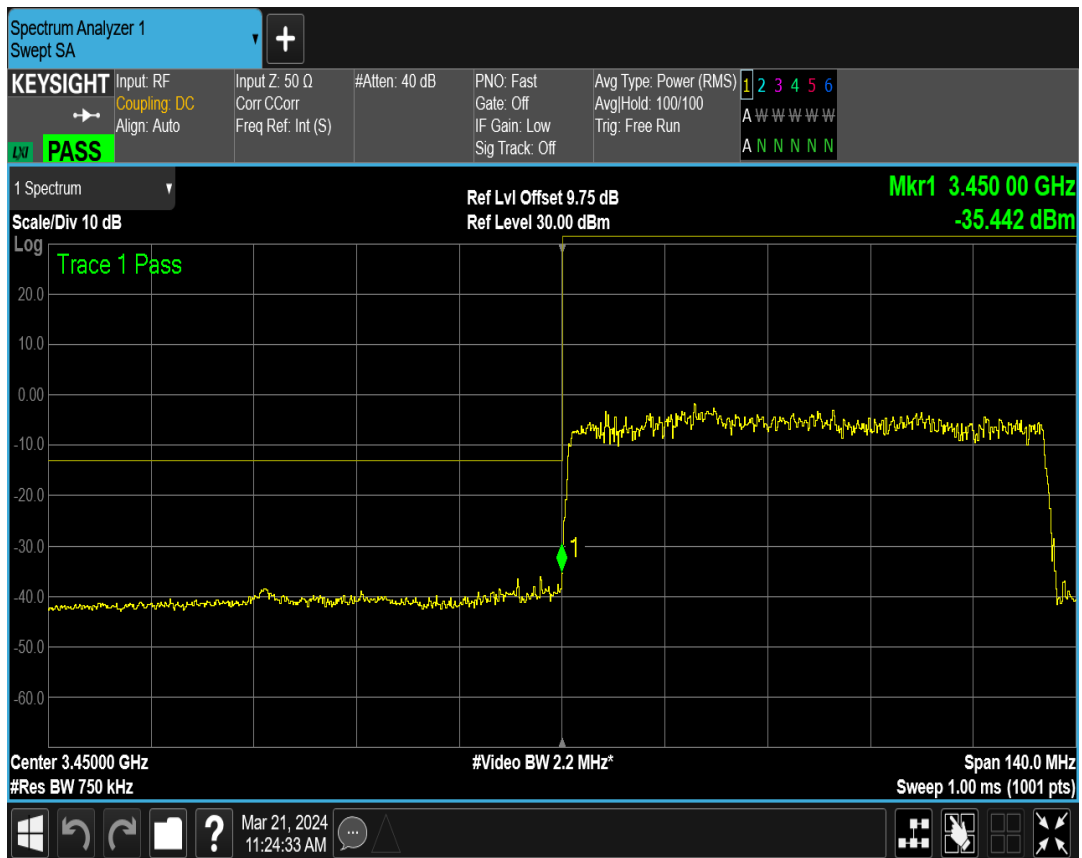
n78(3450-3550) SCS=30kHz CP_QPSK BW=70MHz Channel=634332 RB=189@0



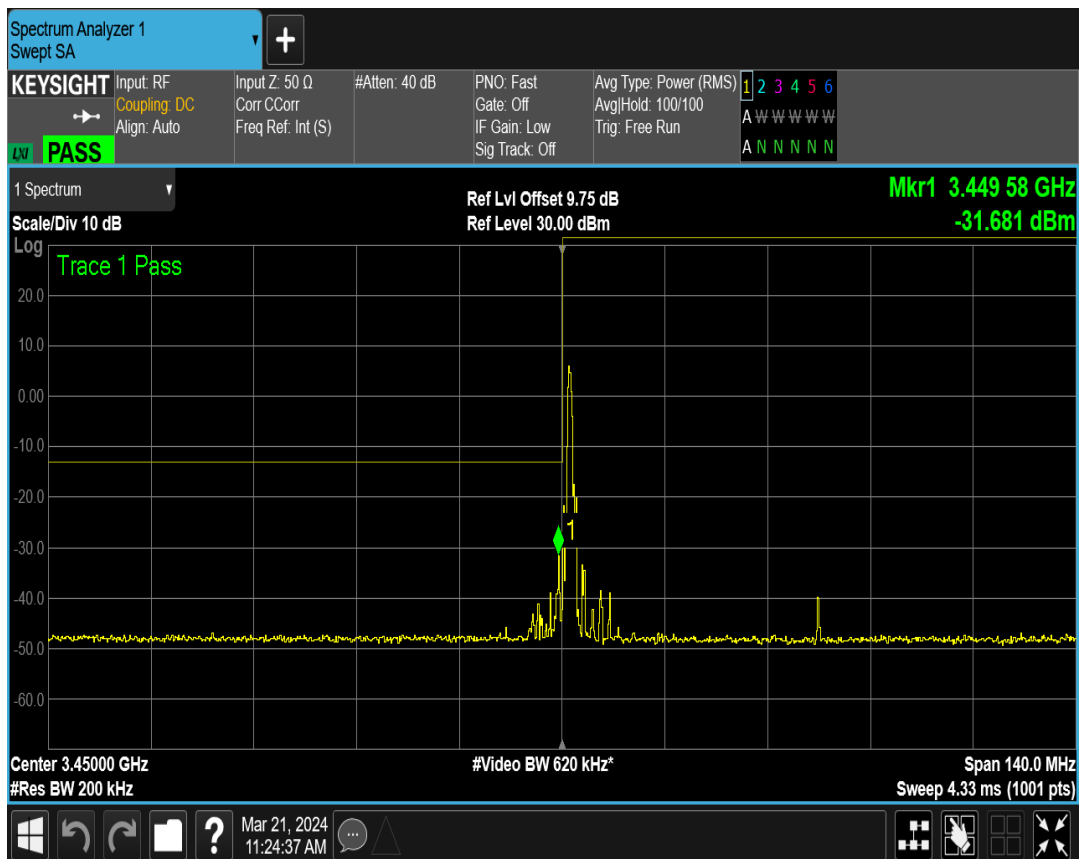
5 Band edge for NR FR1

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	-35.44	-13	PASS
n78(3450-3550)	30	70	632334	1@0	DFT_QPSK	3449.58	-31.68	-13	PASS
n78(3450-3550)	30	70	634332	180@0	DFT_QPSK	3613.42	-37.95	-13	PASS
n78(3450-3550)	30	70	634332	1@188	DFT_QPSK	3550.14	-35.05	-13	PASS

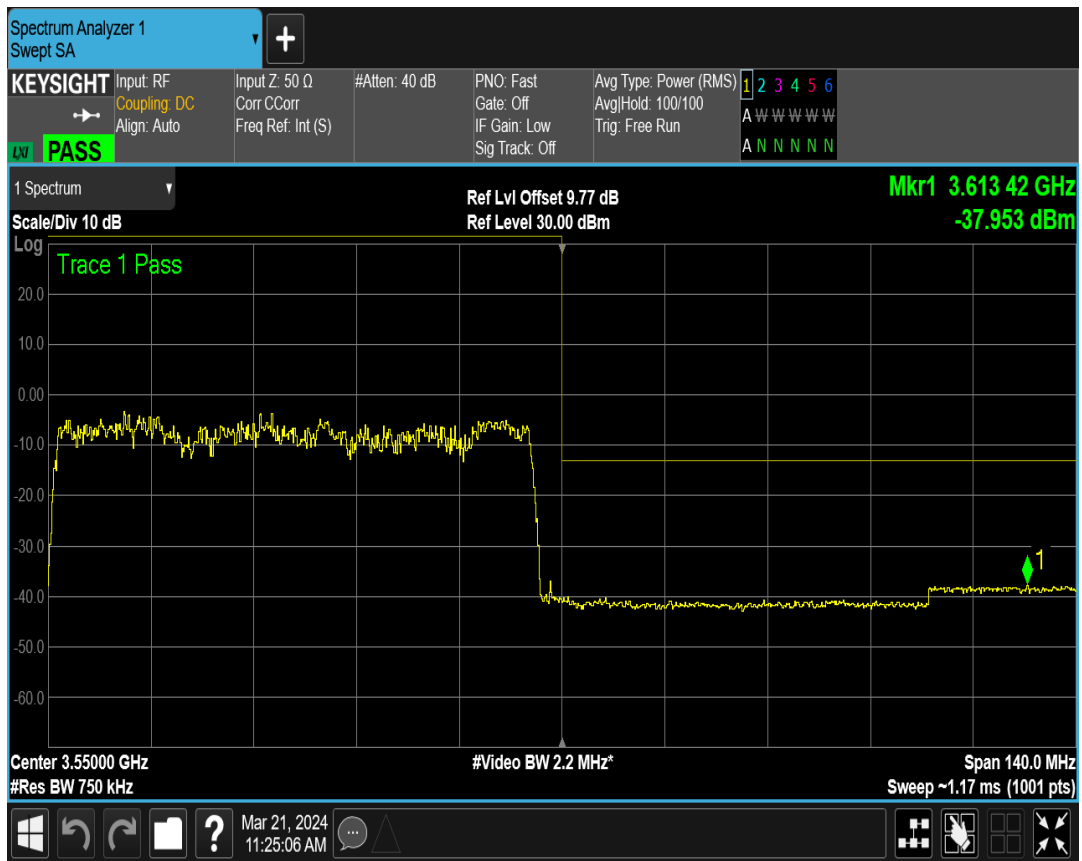
n78(3450-3550) SCS=30kHz DFT_QPSK BW=70MHz Channel=632334 RB=180@0



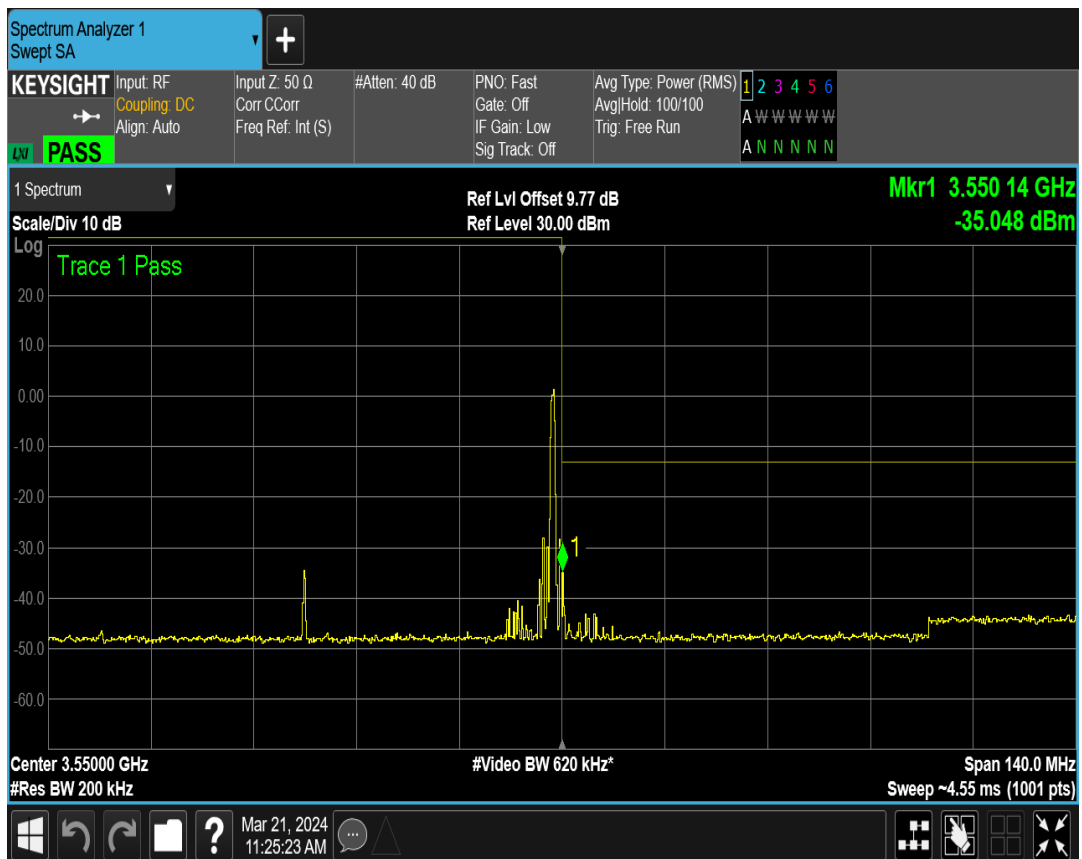
n78(3450-3550) SCS=30kHz DFT_QPSK BW=70MHz Channel=632334 RB=1@0



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



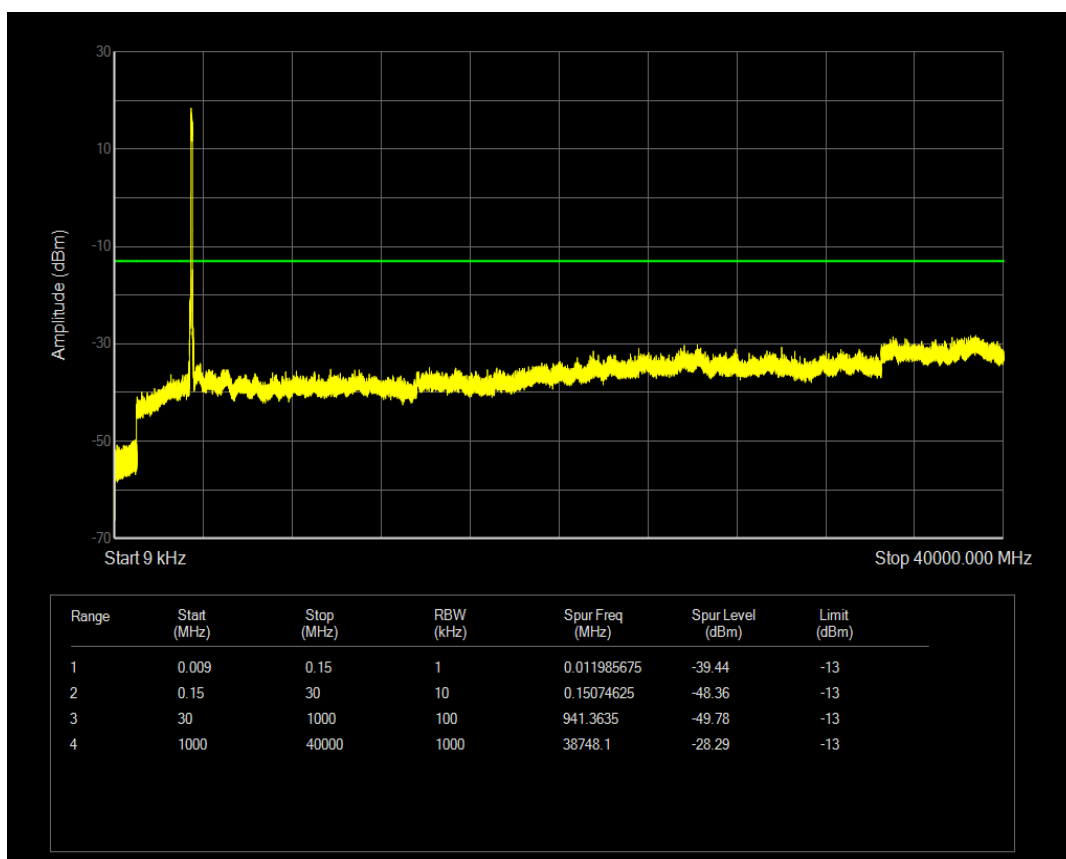
n78(3450-3550) SCS=30kHz DFT_QPSK BW=70MHz Channel=634332 RB=1@188



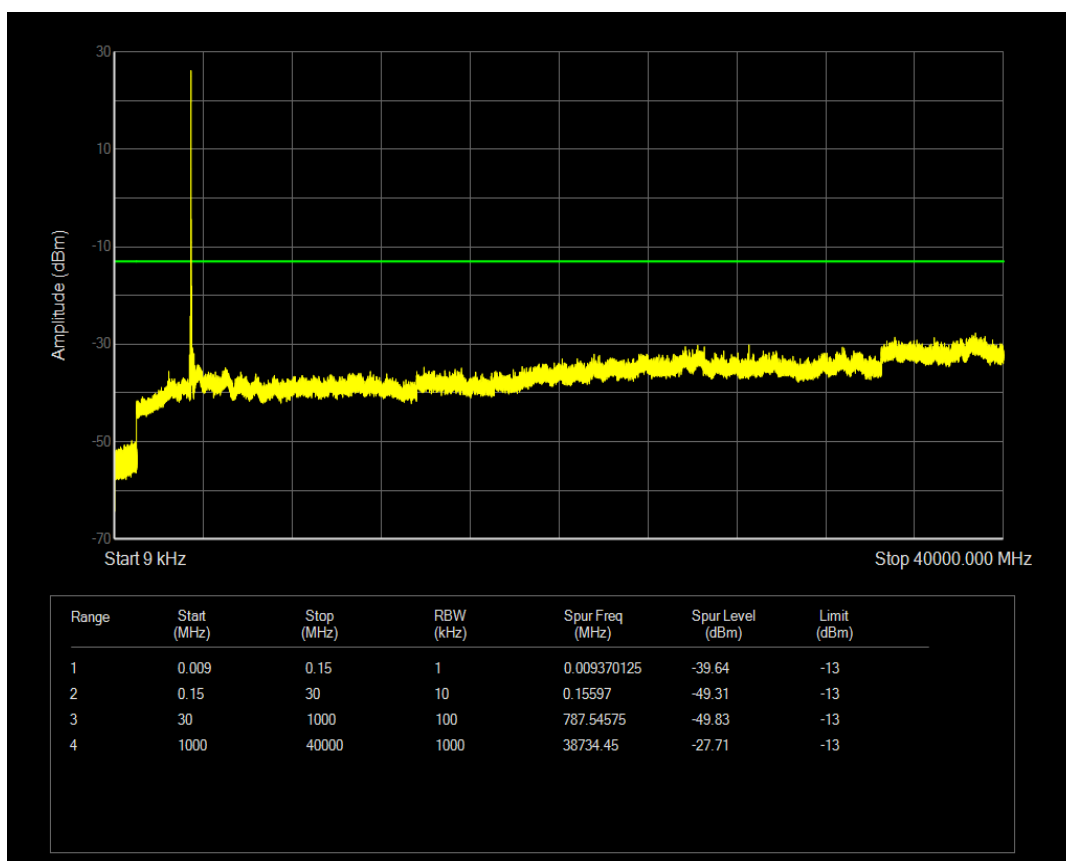
6 Out-of-band emissions for NR FR1

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	38748.10	-28.29	-13	PASS
n78(3450-3550)	30	70	632334	1@0	DFT_QPSK	38734.45	-27.71	-13	PASS
n78(3450-3550)	30	70	632334	1@188	DFT_QPSK	34994.35	-27.30	-13	PASS
n78(3450-3550)	30	70	633334	180@0	DFT_QPSK	38826.10	-27.86	-13	PASS
n78(3450-3550)	30	70	633334	1@0	DFT_QPSK	38660.35	-27.49	-13	PASS
n78(3450-3550)	30	70	633334	1@188	DFT_QPSK	38636.95	-27.80	-13	PASS
n78(3450-3550)	30	70	634332	180@0	DFT_QPSK	38857.30	-27.43	-13	PASS
n78(3450-3550)	30	70	634332	1@0	DFT_QPSK	38733.48	-27.94	-13	PASS
n78(3450-3550)	30	70	634332	1@188	DFT_QPSK	38660.35	-27.70	-13	PASS

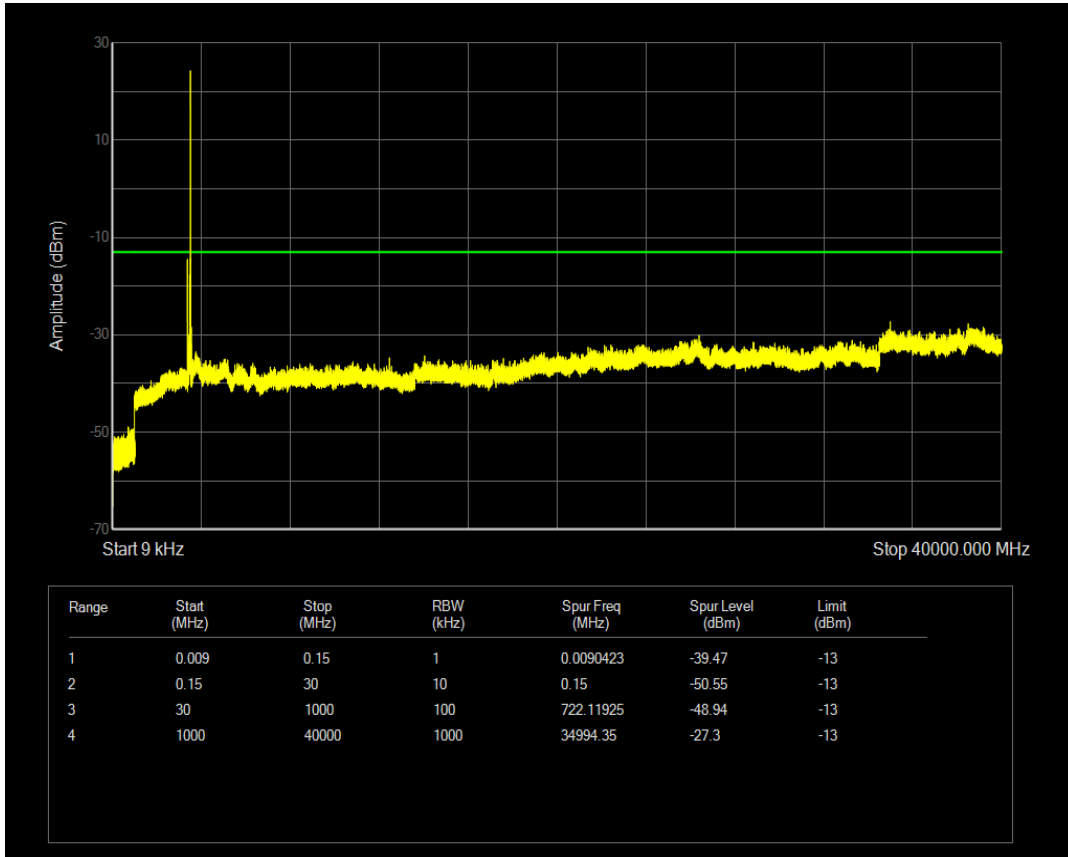
n78(3450-3550) SCS=30kHz DFT_QPSK BW=70MHz Channel=632334 RB=180@0



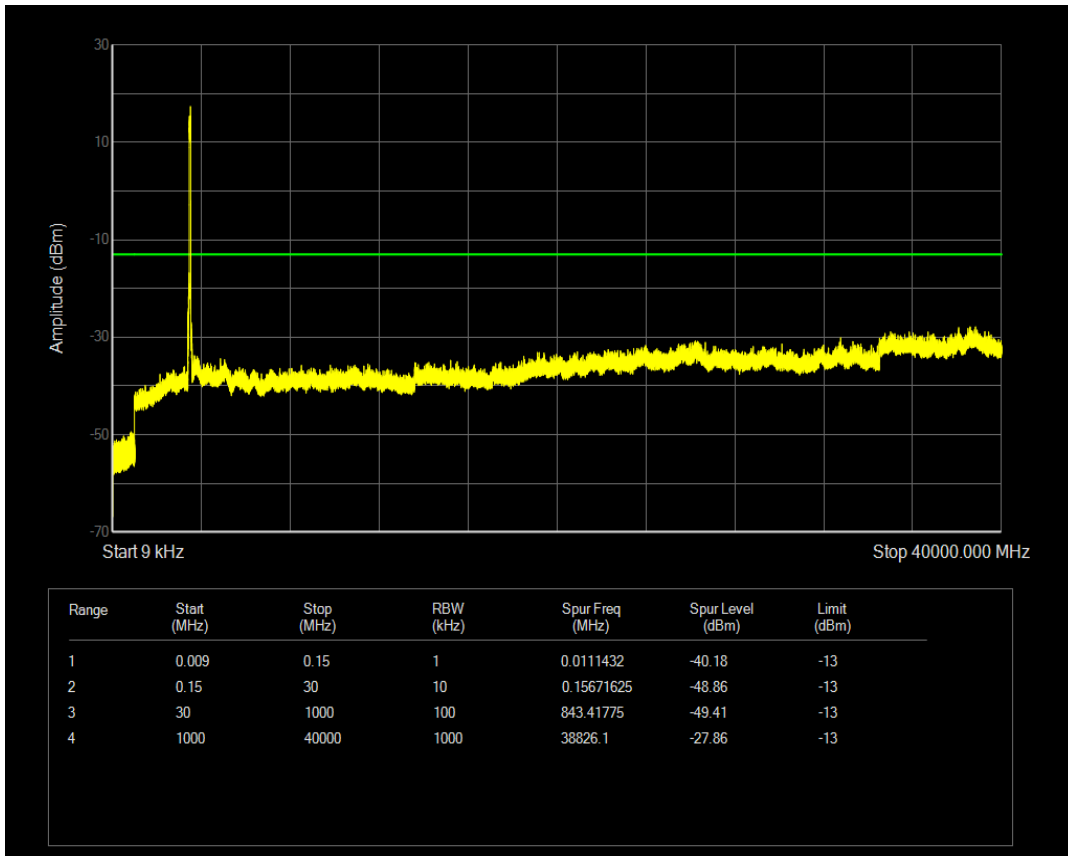
n78(3450-3550) SCS=30kHz DFT_QPSK BW=70MHz Channel=632334 RB=1@0



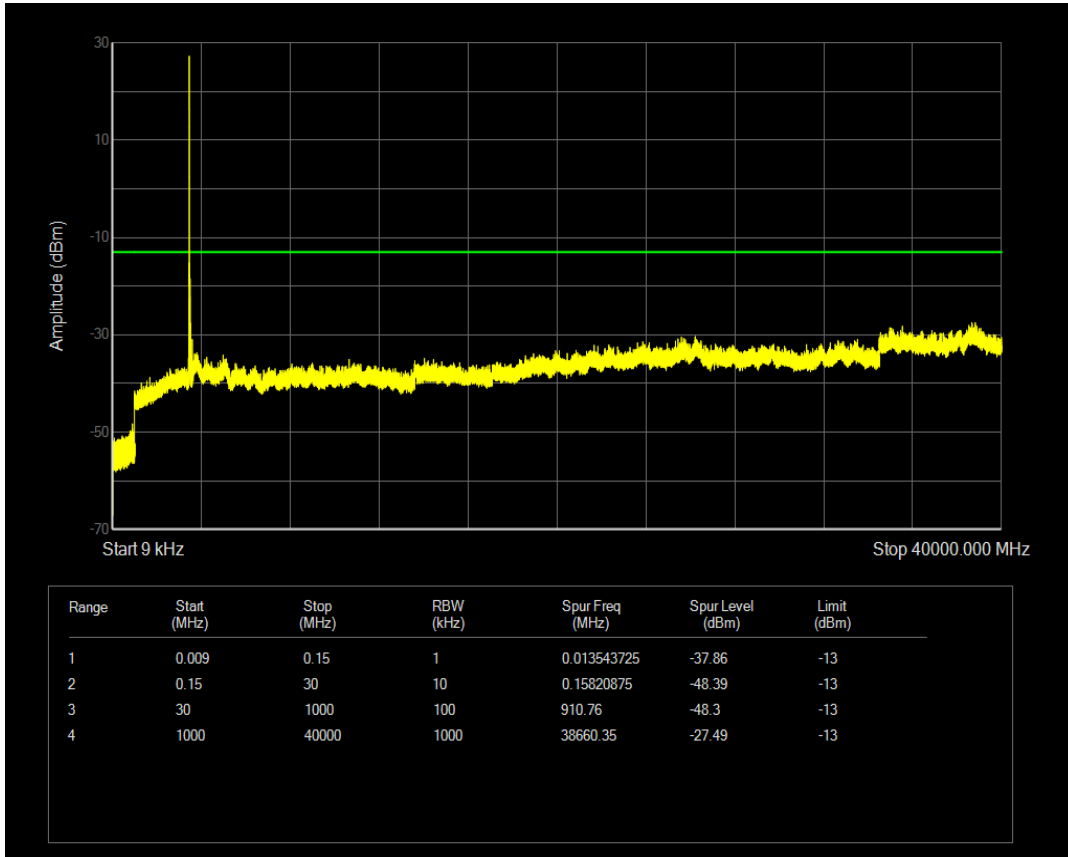
n78(3450-3550) SCS=30kHz DFT_QPSK BW=70MHz Channel=632334 RB=1@188



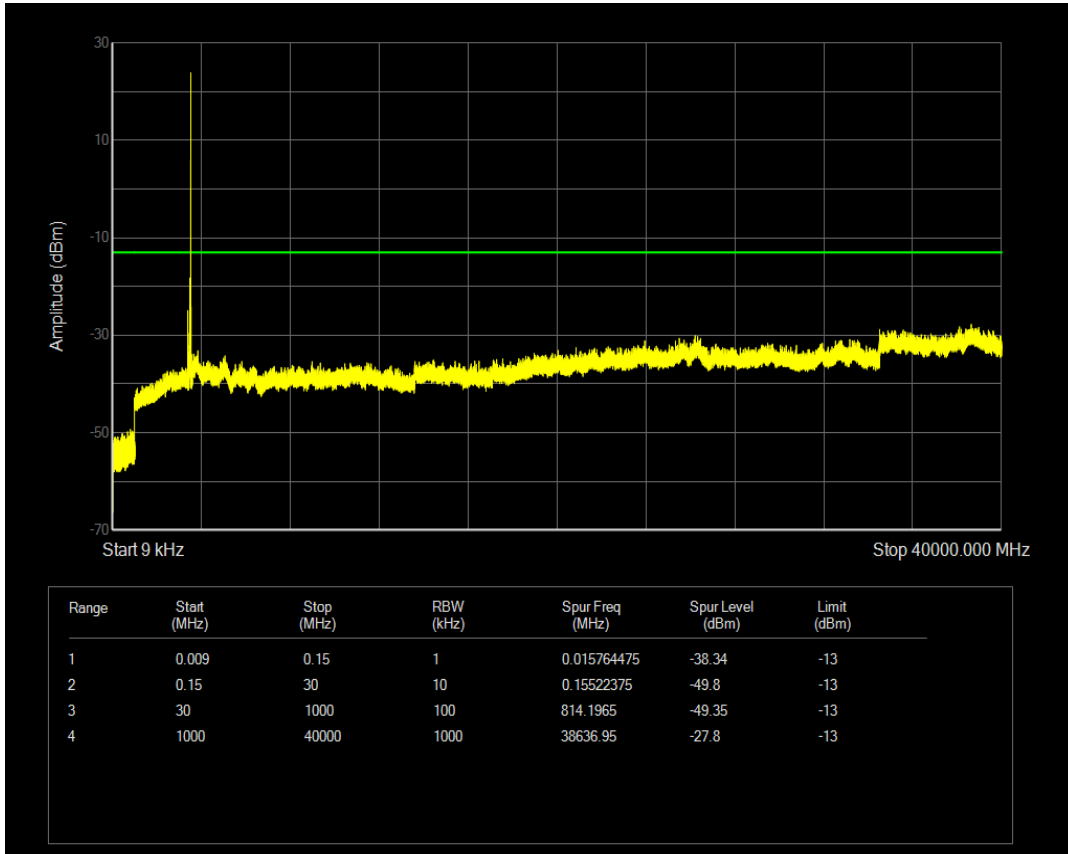
n78(3450-3550) SCS=30kHz DFT_QPSK BW=70MHz Channel=633334 RB=180@0



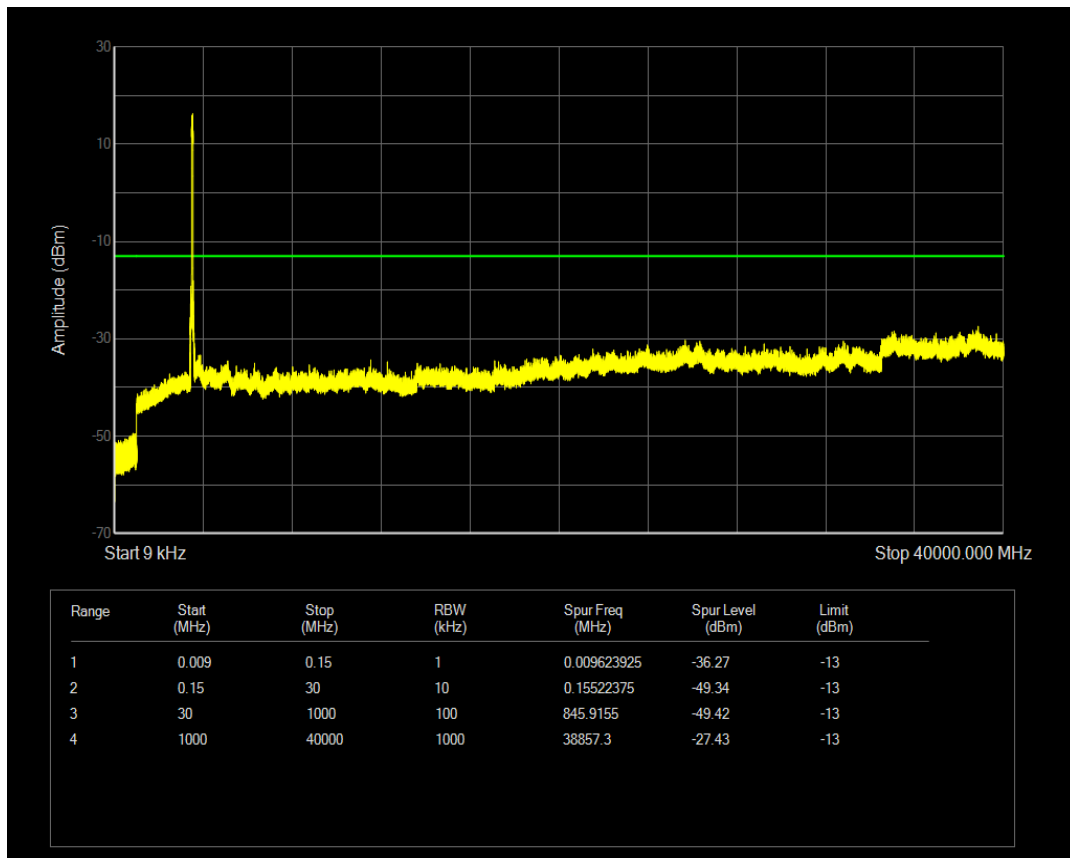
n78(3450-3550) SCS=30kHz DFT_QPSK BW=70MHz Channel=633334 RB=1@0



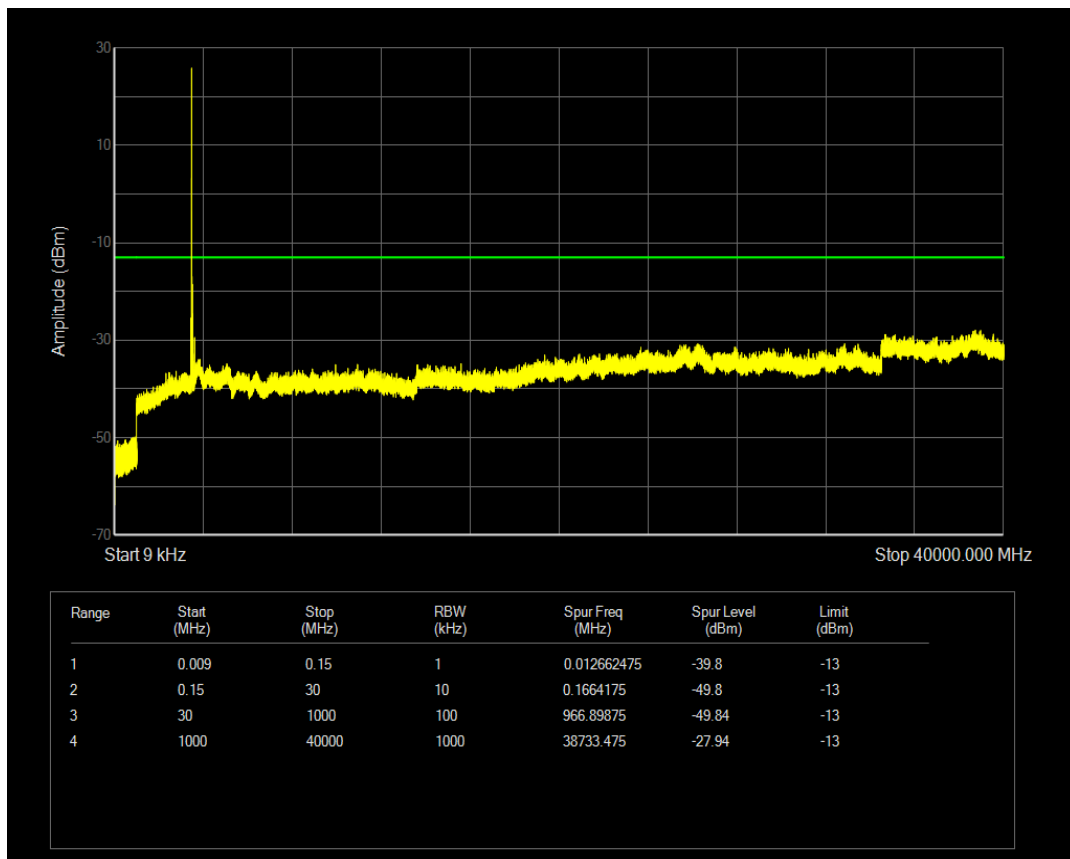
n78(3450-3550) SCS=30kHz DFT_QPSK BW=70MHz Channel=633334 RB=1@188



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

