

### 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	25.92	-0.7	25.22	33.01	PASS
n78(3450-3550)	30	70	632334	1@1	DFT_BPSK	25.76	-0.7	25.06	33.01	PASS
n78(3450-3550)	30	70	632334	1@187	DFT_BPSK	25.47	-0.7	24.77	33.01	PASS
n78(3450-3550)	30	70	632334	90@45	DFT_QPSK	25.88	-0.7	25.18	33.01	PASS
n78(3450-3550)	30	70	632334	1@1	DFT_QPSK	25.76	-0.7	25.06	33.01	PASS
n78(3450-3550)	30	70	632334	1@187	DFT_QPSK	25.44	-0.7	24.74	33.01	PASS
n78(3450-3550)	30	70	632334	90@45	DFT_QAM16	24.91	-0.7	24.21	33.01	PASS
n78(3450-3550)	30	70	632334	1@1	DFT_QAM16	25.09	-0.7	24.39	33.01	PASS
n78(3450-3550)	30	70	632334	1@187	DFT_QAM16	24.75	-0.7	24.05	33.01	PASS
n78(3450-3550)	30	70	632334	90@45	DFT_QAM64	23.43	-0.7	22.73	33.01	PASS
n78(3450-3550)	30	70	632334	1@1	DFT_QAM64	23.22	-0.7	22.52	33.01	PASS
n78(3450-3550)	30	70	632334	1@187	DFT_QAM64	22.95	-0.7	22.25	33.01	PASS
n78(3450-3550)	30	70	632334	90@45	DFT_QAM256	21.46	-0.7	20.76	33.01	PASS
n78(3450-3550)	30	70	632334	1@1	DFT_QAM256	21.40	-0.7	20.70	33.01	PASS
n78(3450-3550)	30	70	632334	1@187	DFT_QAM256	21.26	-0.7	20.56	33.01	PASS
n78(3450-3550)	30	70	632334	95@47	CP_QPSK	24.39	-0.7	23.69	33.01	PASS
n78(3450-3550)	30	70	632334	1@1	CP_QPSK	24.17	-0.7	23.47	33.01	PASS
n78(3450-3550)	30	70	632334	1@187	CP_QPSK	23.91	-0.7	23.21	33.01	PASS
n78(3450-3550)	30	70	632334	95@47	CP_QAM16	23.86	-0.7	23.16	33.01	PASS
n78(3450-3550)	30	70	632334	1@1	CP_QAM16	24.18	-0.7	23.48	33.01	PASS
n78(3450-3550)	30	70	632334	1@187	CP_QAM16	23.46	-0.7	22.76	33.01	PASS
n78(3450-3550)	30	70	632334	95@47	CP_QAM64	22.47	-0.7	21.77	33.01	PASS
n78(3450-3550)	30	70	632334	1@1	CP_QAM64	22.38	-0.7	21.68	33.01	PASS
n78(3450-3550)	30	70	632334	1@187	CP_QAM64	22.89	-0.7	22.19	33.01	PASS
n78(3450-3550)	30	70	632334	95@47	CP_QAM256	19.45	-0.7	18.75	33.01	PASS
n78(3450-3550)	30	70	632334	1@1	CP_QAM256	19.07	-0.7	18.37	33.01	PASS
n78(3450-3550)	30	70	632334	1@187	CP_QAM256	19.01	-0.7	18.31	33.01	PASS
n78(3450-3550)	30	70	633334	90@45	DFT_BPSK	25.77	-0.7	25.07	33.01	PASS
n78(3450-3550)	30	70	633334	1@1	DFT_BPSK	25.84	-0.7	25.14	33.01	PASS
n78(3450-3550)	30	70	633334	1@187	DFT_BPSK	25.45	-0.7	24.75	33.01	PASS
n78(3450-3550)	30	70	633334	90@45	DFT_QPSK	25.75	-0.7	25.05	33.01	PASS
n78(3450-3550)	30	70	633334	1@1	DFT_QPSK	25.76	-0.7	25.06	33.01	PASS
n78(3450-3550)	30	70	633334	1@187	DFT_QPSK	25.42	-0.7	24.72	33.01	PASS
n78(3450-3550)	30	70	633334	90@45	DFT_QAM16	24.76	-0.7	24.06	33.01	PASS
n78(3450-3550)	30	70	633334	1@1	DFT_QAM16	24.84	-0.7	24.14	33.01	PASS
n78(3450-3550)	30	70	633334	1@187	DFT_QAM16	24.42	-0.7	23.72	33.01	PASS
n78(3450-3550)	30	70	633334	90@45	DFT_QAM64	23.31	-0.7	22.61	33.01	PASS
n78(3450-3550)	30	70	633334	1@1	DFT_QAM64	23.33	-0.7	22.63	33.01	PASS

n78(3450-3550)	30	70	633334	1@187	DFT_QAM64	22.97	-0.7	22.27	33.01	PASS
n78(3450-3550)	30	70	633334	90@45	DFT_QAM256	21.32	-0.7	20.62	33.01	PASS
n78(3450-3550)	30	70	633334	1@1	DFT_QAM256	21.54	-0.7	20.84	33.01	PASS
n78(3450-3550)	30	70	633334	1@187	DFT_QAM256	21.06	-0.7	20.36	33.01	PASS
n78(3450-3550)	30	70	633334	95@47	CP_QPSK	24.26	-0.7	23.56	33.01	PASS
n78(3450-3550)	30	70	633334	1@1	CP_QPSK	24.27	-0.7	23.57	33.01	PASS
n78(3450-3550)	30	70	633334	1@187	CP_QPSK	23.83	-0.7	23.13	33.01	PASS
n78(3450-3550)	30	70	633334	95@47	CP_QAM16	23.69	-0.7	22.99	33.01	PASS
n78(3450-3550)	30	70	633334	1@1	CP_QAM16	23.88	-0.7	23.18	33.01	PASS
n78(3450-3550)	30	70	633334	1@187	CP_QAM16	23.51	-0.7	22.81	33.01	PASS
n78(3450-3550)	30	70	633334	95@47	CP_QAM64	22.29	-0.7	21.59	33.01	PASS
n78(3450-3550)	30	70	633334	1@1	CP_QAM64	22.61	-0.7	21.91	33.01	PASS
n78(3450-3550)	30	70	633334	1@187	CP_QAM64	22.24	-0.7	21.54	33.01	PASS
n78(3450-3550)	30	70	633334	95@47	CP_QAM256	19.29	-0.7	18.59	33.01	PASS
n78(3450-3550)	30	70	633334	1@1	CP_QAM256	19.36	-0.7	18.66	33.01	PASS
n78(3450-3550)	30	70	633334	1@187	CP_QAM256	19.01	-0.7	18.31	33.01	PASS
n78(3450-3550)	30	70	634332	90@45	DFT_BPSK	25.57	-0.7	24.87	33.01	PASS
n78(3450-3550)	30	70	634332	1@1	DFT_BPSK	25.93	-0.7	25.23	33.01	PASS
n78(3450-3550)	30	70	634332	1@187	DFT_BPSK	25.31	-0.7	24.61	33.01	PASS
n78(3450-3550)	30	70	634332	90@45	DFT_QPSK	25.58	-0.7	24.88	33.01	PASS
n78(3450-3550)	30	70	634332	1@1	DFT_QPSK	25.91	-0.7	25.21	33.01	PASS
n78(3450-3550)	30	70	634332	1@187	DFT_QPSK	25.24	-0.7	24.54	33.01	PASS
n78(3450-3550)	30	70	634332	90@45	DFT_QAM16	24.57	-0.7	23.87	33.01	PASS
n78(3450-3550)	30	70	634332	1@1	DFT_QAM16	24.95	-0.7	24.25	33.01	PASS
n78(3450-3550)	30	70	634332	1@187	DFT_QAM16	24.26	-0.7	23.56	33.01	PASS
n78(3450-3550)	30	70	634332	90@45	DFT_QAM64	23.10	-0.7	22.40	33.01	PASS
n78(3450-3550)	30	70	634332	1@1	DFT_QAM64	23.43	-0.7	22.73	33.01	PASS
n78(3450-3550)	30	70	634332	1@187	DFT_QAM64	22.79	-0.7	22.09	33.01	PASS
n78(3450-3550)	30	70	634332	90@45	DFT_QAM256	21.14	-0.7	20.44	33.01	PASS
n78(3450-3550)	30	70	634332	1@1	DFT_QAM256	21.54	-0.7	20.84	33.01	PASS
n78(3450-3550)	30	70	634332	1@187	DFT_QAM256	21.00	-0.7	20.30	33.01	PASS
n78(3450-3550)	30	70	634332	95@47	CP_QPSK	24.09	-0.7	23.39	33.01	PASS
n78(3450-3550)	30	70	634332	1@1	CP_QPSK	24.25	-0.7	23.55	33.01	PASS
n78(3450-3550)	30	70	634332	1@187	CP_QPSK	23.69	-0.7	22.99	33.01	PASS
n78(3450-3550)	30	70	634332	95@47	CP_QAM16	23.54	-0.7	22.84	33.01	PASS
n78(3450-3550)	30	70	634332	1@1	CP_QAM16	23.99	-0.7	23.29	33.01	PASS
n78(3450-3550)	30	70	634332	1@187	CP_QAM16	23.32	-0.7	22.62	33.01	PASS
n78(3450-3550)	30	70	634332	95@47	CP_QAM64	22.13	-0.7	21.43	33.01	PASS
n78(3450-3550)	30	70	634332	1@1	CP_QAM64	22.62	-0.7	21.92	33.01	PASS
n78(3450-3550)	30	70	634332	1@187	CP_QAM64	22.11	-0.7	21.41	33.01	PASS
n78(3450-3550)	30	70	634332	95@47	CP_QAM256	19.16	-0.7	18.46	33.01	PASS
n78(3450-3550)	30	70	634332	1@1	CP_QAM256	19.47	-0.7	18.77	33.01	PASS
n78(3450-3550)	30	70	634332	1@187	CP_QAM256	18.71	-0.7	18.01	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	3.45	-23.63	-0.01	Within authorized band for 5G NR n78	PASS
n78(3450-3550)	30	70	633334	90@45	DFT_BPSK	3.85	-16.07	0.00		PASS
n78(3450-3550)	30	70	633334	90@45	DFT_BPSK	4.40	-10.35	0.00		PASS
n78(3450-3550)	30	70	633334	90@45	DFT_QPSK	3.45	-16.72	0.00		PASS
n78(3450-3550)	30	70	633334	90@45	DFT_QPSK	3.85	-16.46	0.00		PASS
n78(3450-3550)	30	70	633334	90@45	DFT_QPSK	4.40	-21.03	-0.01		PASS

Note: Only the worst case shown in the report.

NV:

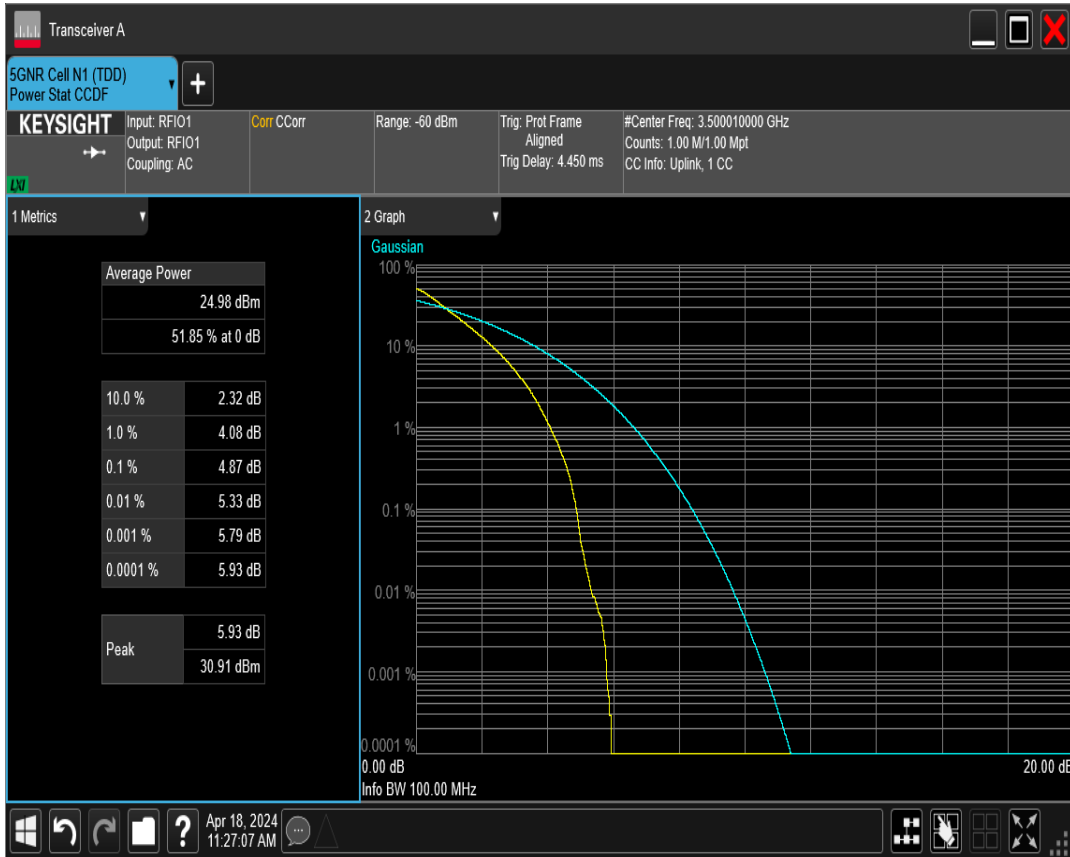
Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Voltage (Vdc)	Result(Hz)	Result (ppm)	Limit (ppm)	Verdict
n78(3450-3550)	30	70	633334	90@45	DFT_BPSK	-30	-21.46	-0.01	Within authorized band for 5G NR n78	PASS
n78(3450-3550)	30	70	633334	90@45	DFT_BPSK	-20	-16.21	0.00		PASS
n78(3450-3550)	30	70	633334	90@45	DFT_BPSK	-10	-24.13	-0.01		PASS
n78(3450-3550)	30	70	633334	90@45	DFT_BPSK	0	-18.82	-0.01		PASS
n78(3450-3550)	30	70	633334	90@45	DFT_BPSK	10	-19.31	-0.01		PASS
n78(3450-3550)	30	70	633334	90@45	DFT_BPSK	20	-24.28	-0.01		PASS
n78(3450-3550)	30	70	633334	90@45	DFT_BPSK	30	-25.99	-0.01		PASS
n78(3450-3550)	30	70	633334	90@45	DFT_BPSK	40	-24.15	-0.01		PASS
n78(3450-3550)	30	70	633334	90@45	DFT_BPSK	50	-20.08	-0.01		PASS
n78(3450-3550)	30	70	633334	90@45	DFT_QPSK	-30	-23.97	-0.01		PASS
n78(3450-3550)	30	70	633334	90@45	DFT_QPSK	-20	-20.17	-0.01		PASS
n78(3450-3550)	30	70	633334	90@45	DFT_QPSK	-10	-17.13	0.00		PASS
n78(3450-3550)	30	70	633334	90@45	DFT_QPSK	0	-25.67	-0.01		PASS
n78(3450-3550)	30	70	633334	90@45	DFT_QPSK	10	-23.75	-0.01		PASS
n78(3450-3550)	30	70	633334	90@45	DFT_QPSK	20	-16.61	0.00		PASS
n78(3450-3550)	30	70	633334	90@45	DFT_QPSK	30	-20.12	-0.01		PASS
n78(3450-3550)	30	70	633334	90@45	DFT_QPSK	40	-20.56	-0.01	PASS	
n78(3450-3550)	30	70	633334	90@45	DFT_QPSK	50	-24.01	-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	4.87	13	PASS
n78(3450-3550)	30	70	633334	180@0	DFT_QPSK	5.70	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	6.71	13	PASS
n78(3450-3550)	30	70	633334	180@0	DFT_QAM256	7.04	13	PASS

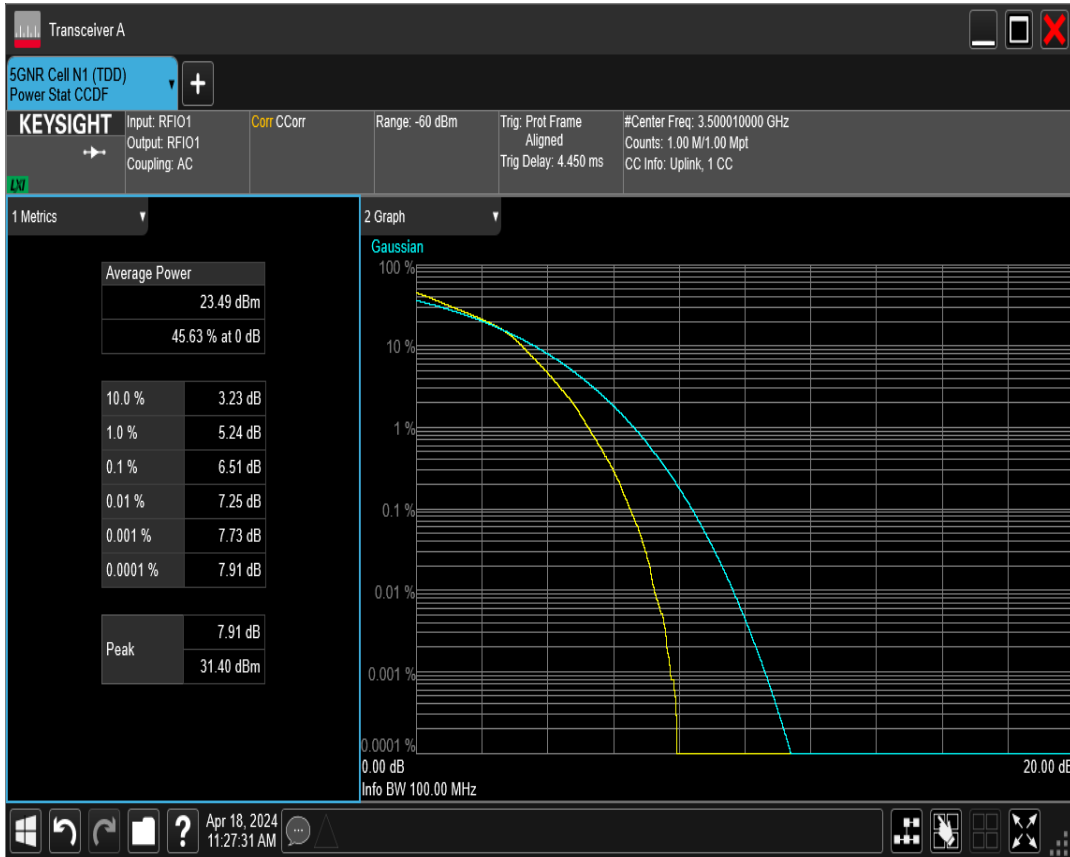
n78(3450-3550) SCS=30kHz DFT\_BPSK BW=70MHz Channel=633334 RB=180@0



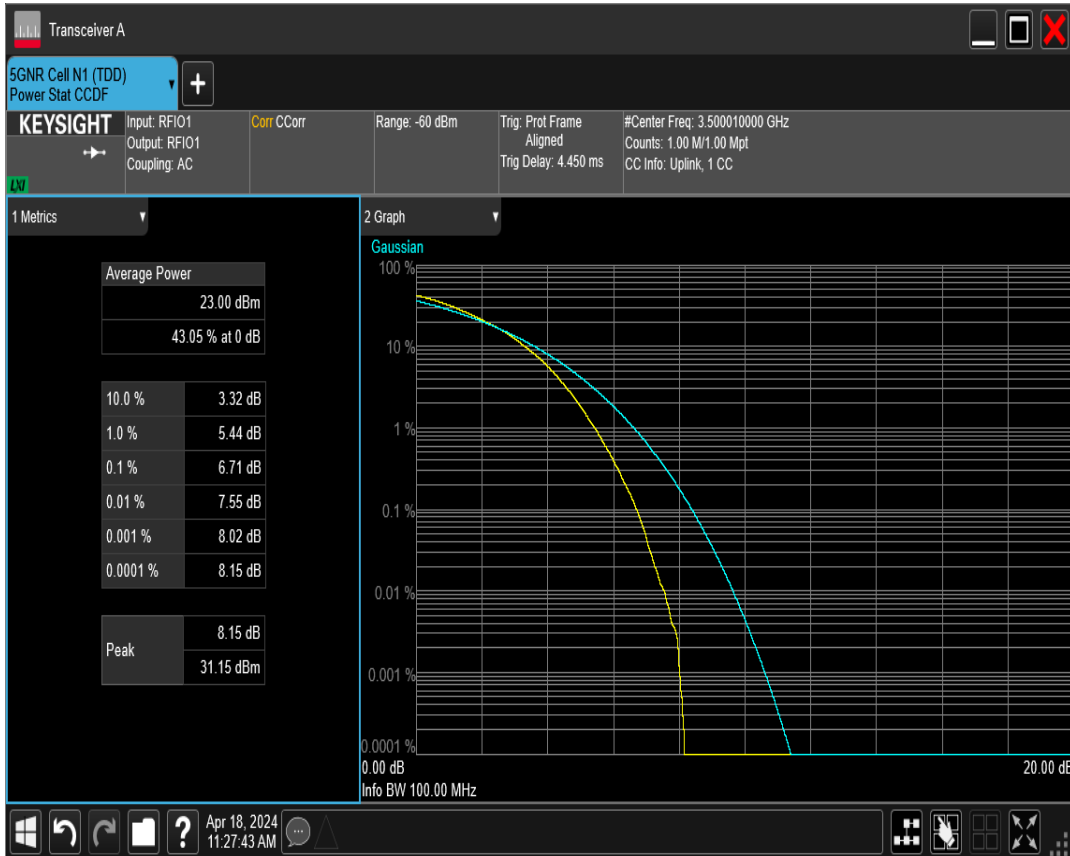
n78(3450-3550) SCS=30kHz DFT\_QPSK BW=70MHz Channel=633334 RB=180@0



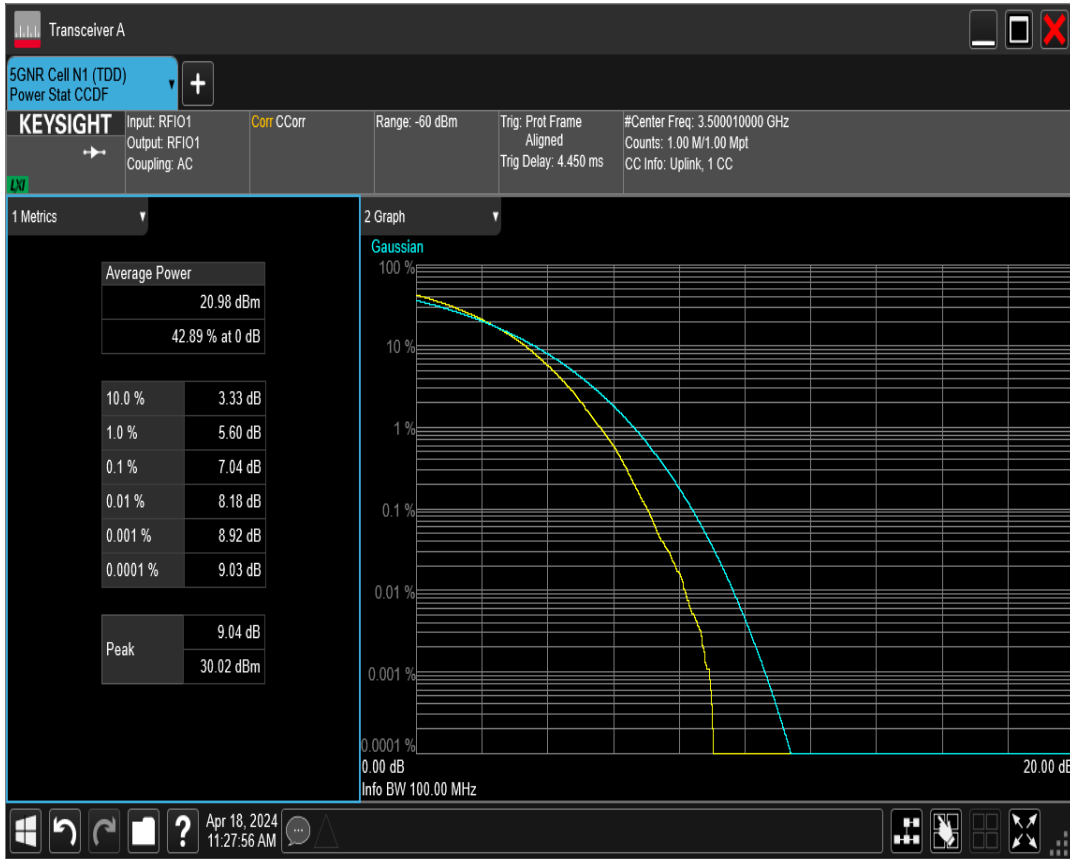
n78(3450-3550) SCS=30kHz DFT\_QAM16 BW=70MHz Channel=633334 RB=180@0



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

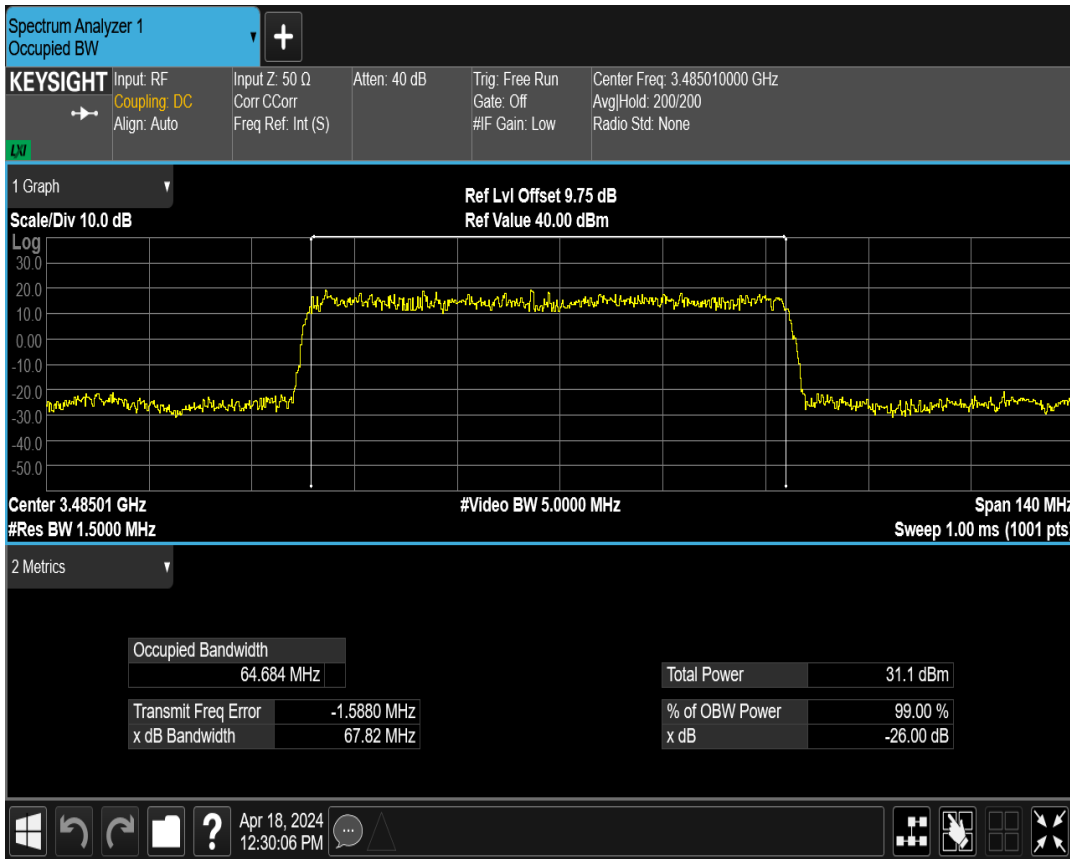


### 4 Occupied bandwidth for NR FR1

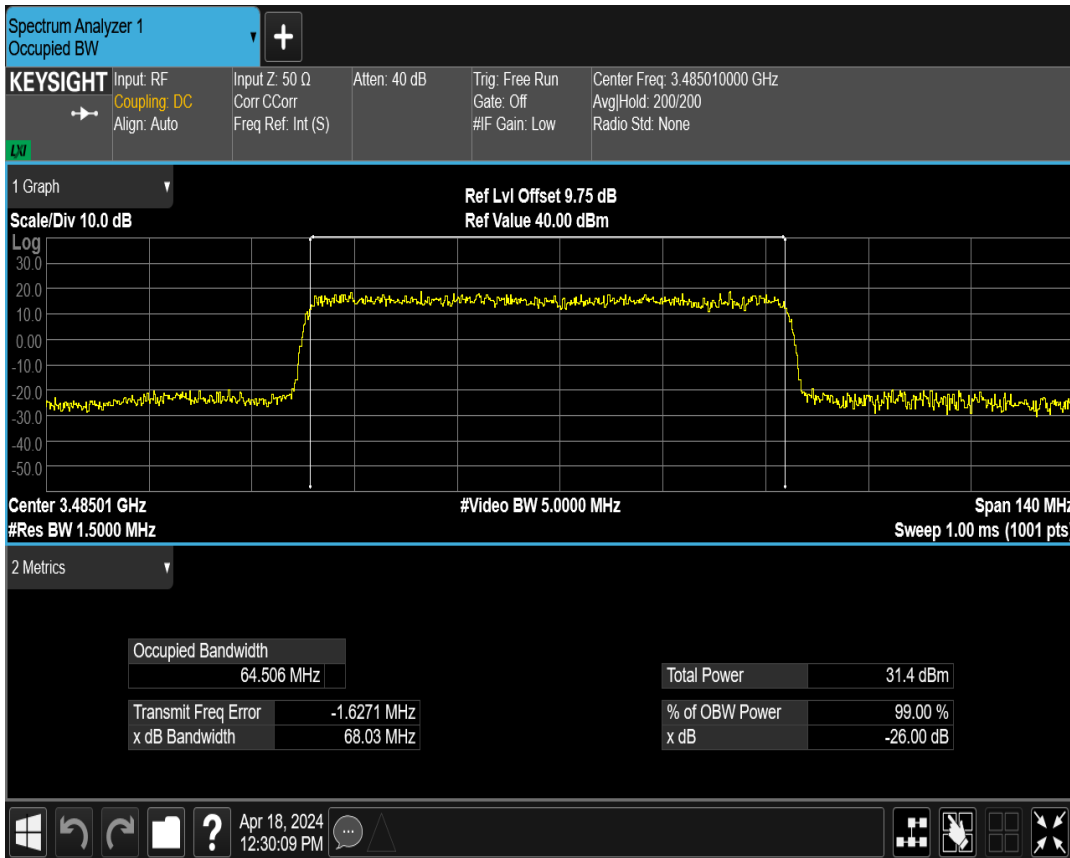
Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
n78(3450-3550)	30	70	632334	180@0	DFT_BPSK	64.684	67.819	PASS
n78(3450-3550)	30	70	632334	180@0	DFT_QPSK	64.506	68.030	PASS
n78(3450-3550)	30	70	632334	180@0	DFT_QAM16	64.349	67.751	PASS
n78(3450-3550)	30	70	632334	180@0	DFT_QAM64	64.299	67.817	PASS
n78(3450-3550)	30	70	632334	180@0	DFT_QAM256	64.453	67.600	PASS
n78(3450-3550)	30	70	632334	189@0	CP_QPSK	67.734	71.173	PASS
n78(3450-3550)	30	70	633334	180@0	DFT_BPSK	64.529	67.791	PASS
n78(3450-3550)	30	70	633334	180@0	DFT_QPSK	64.274	67.841	PASS
n78(3450-3550)	30	70	633334	180@0	DFT_QAM16	64.274	67.852	PASS
n78(3450-3550)	30	70	633334	180@0	DFT_QAM64	64.586	67.786	PASS
n78(3450-3550)	30	70	633334	180@0	DFT_QAM256	64.308	68.077	PASS
n78(3450-3550)	30	70	633334	189@0	CP_QPSK	67.600	71.286	PASS
n78(3450-3550)	30	70	634332	180@0	DFT_BPSK	64.551	67.947	PASS
n78(3450-3550)	30	70	634332	180@0	DFT_QPSK	64.538	67.792	PASS
n78(3450-3550)	30	70	634332	180@0	DFT_QAM16	64.430	67.752	PASS
n78(3450-3550)	30	70	634332	180@0	DFT_QAM64	64.501	67.901	PASS
n78(3450-3550)	30	70	634332	180@0	DFT_QAM256	64.460	68.053	PASS
n78(3450-3550)	30	70	634332	189@0	CP_QPSK	67.644	71.065	PASS



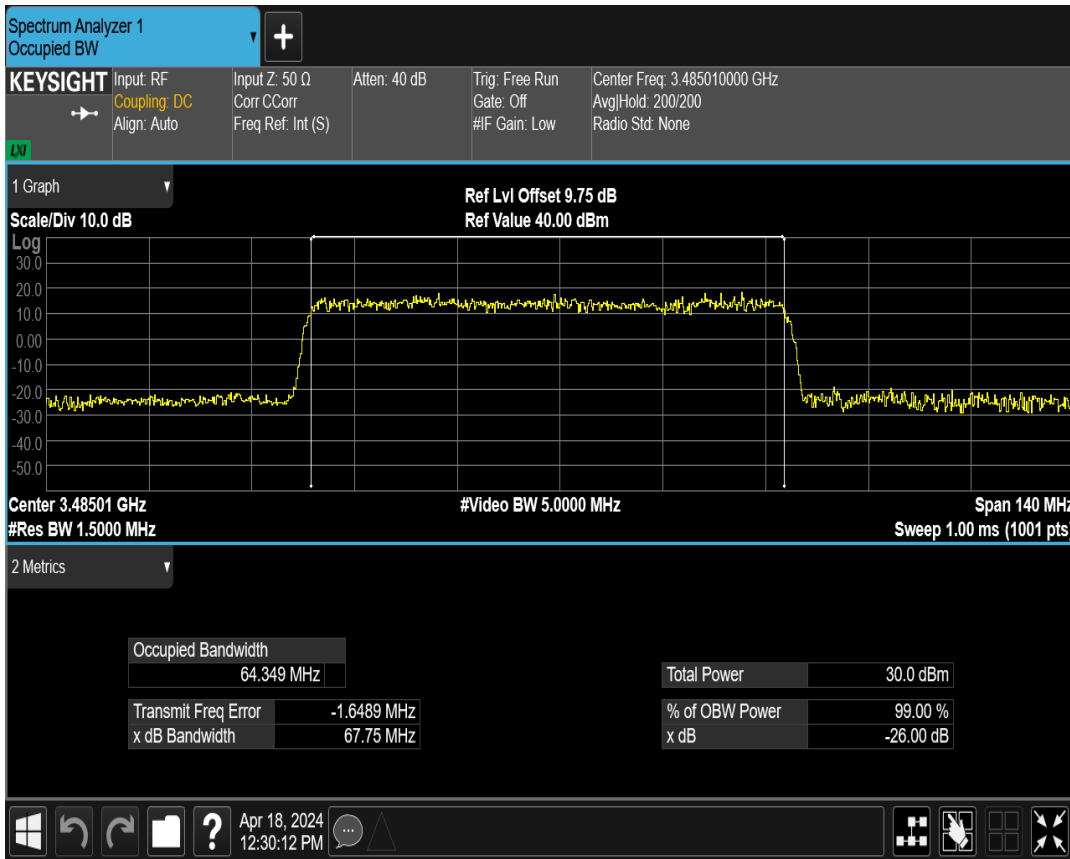
n78(3450-3550) SCS=30kHz DFT\_BPSK BW=70MHz Channel=632334 RB=180@0



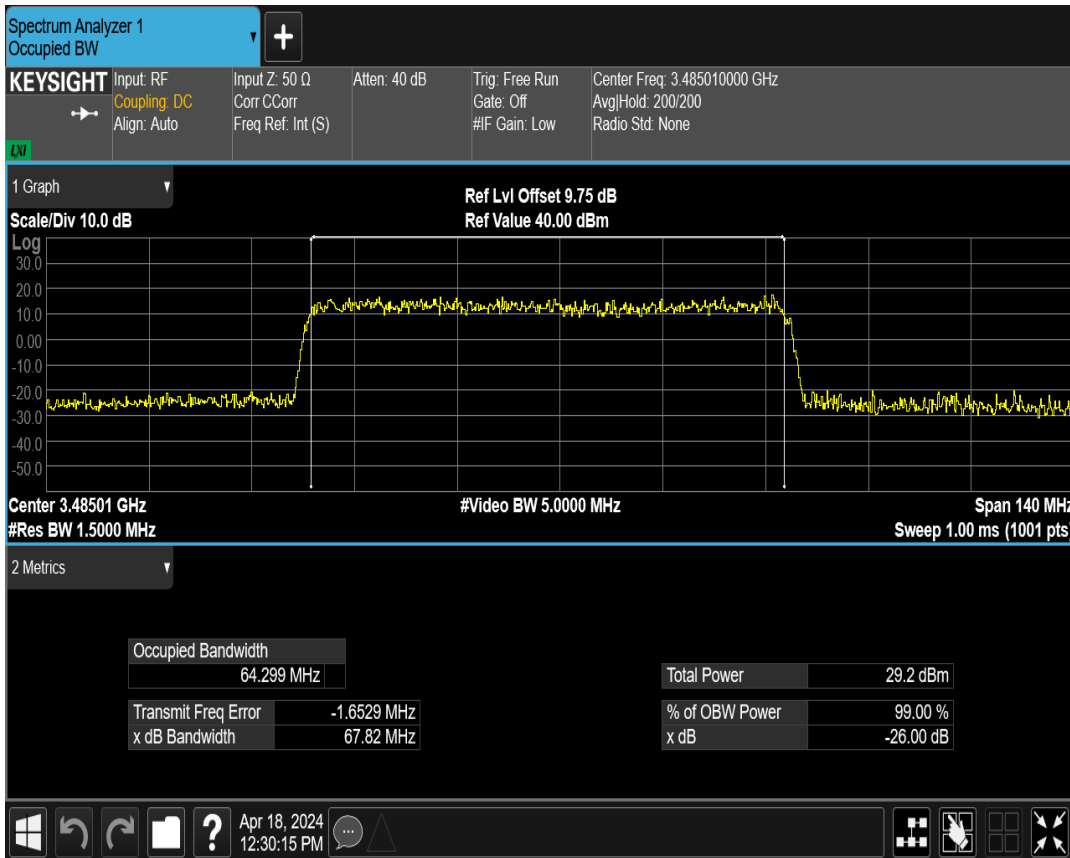
n78(3450-3550) SCS=30kHz DFT\_QPSK BW=70MHz Channel=632334 RB=180@0



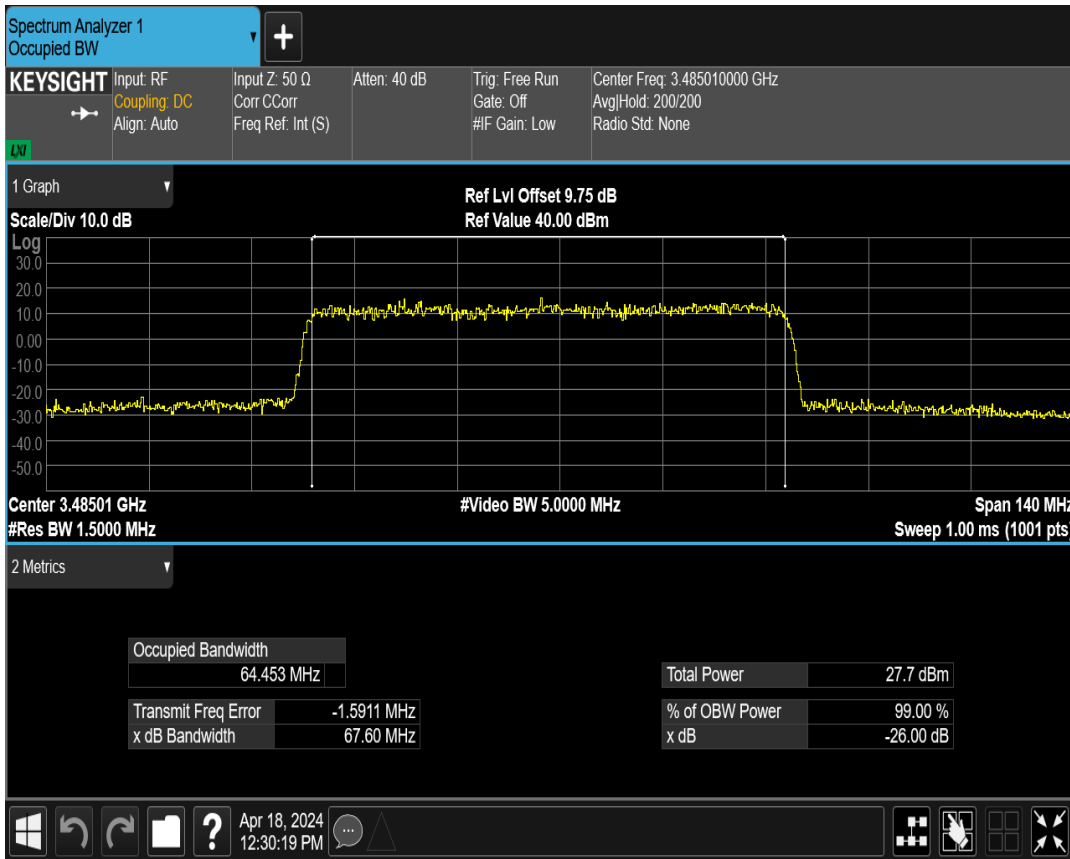
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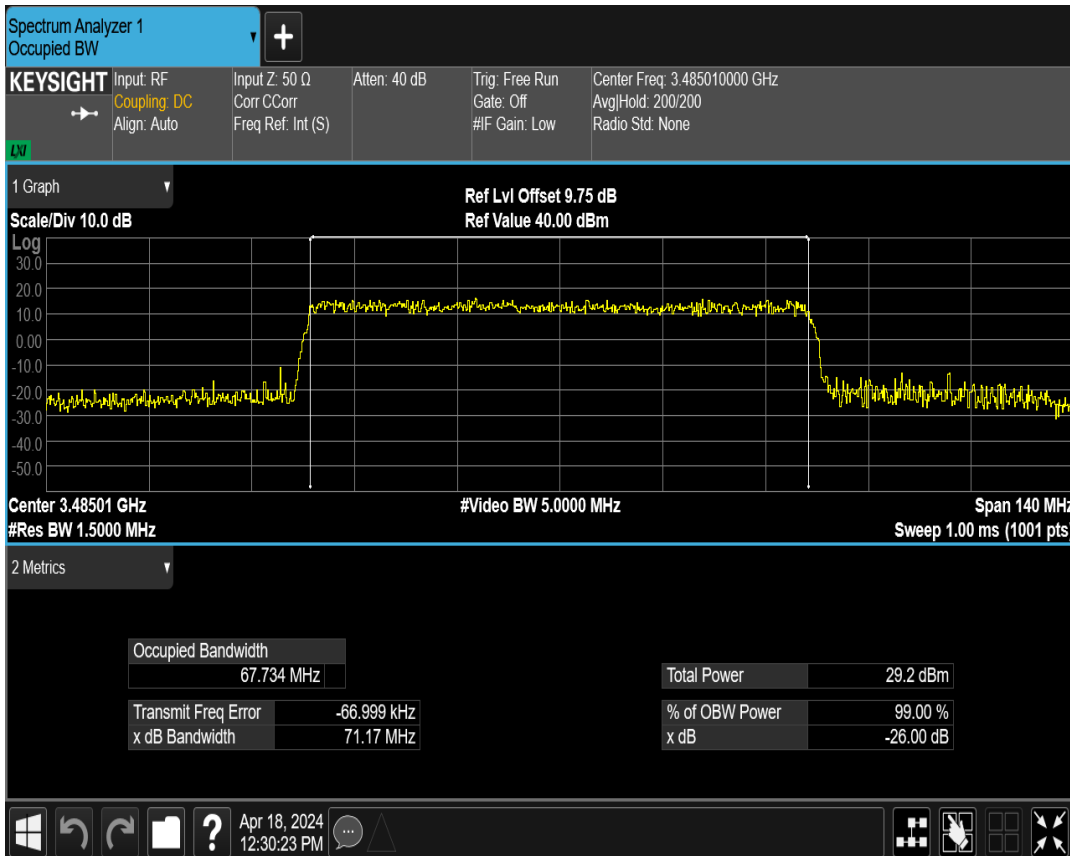
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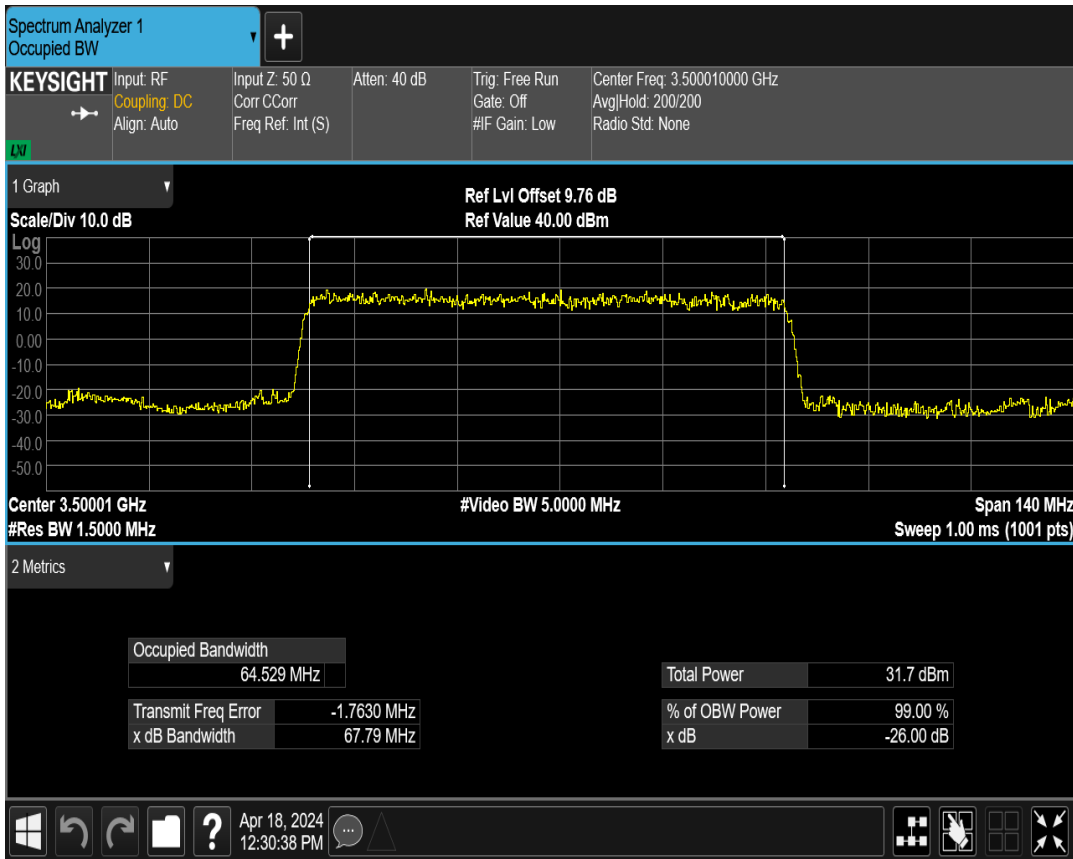
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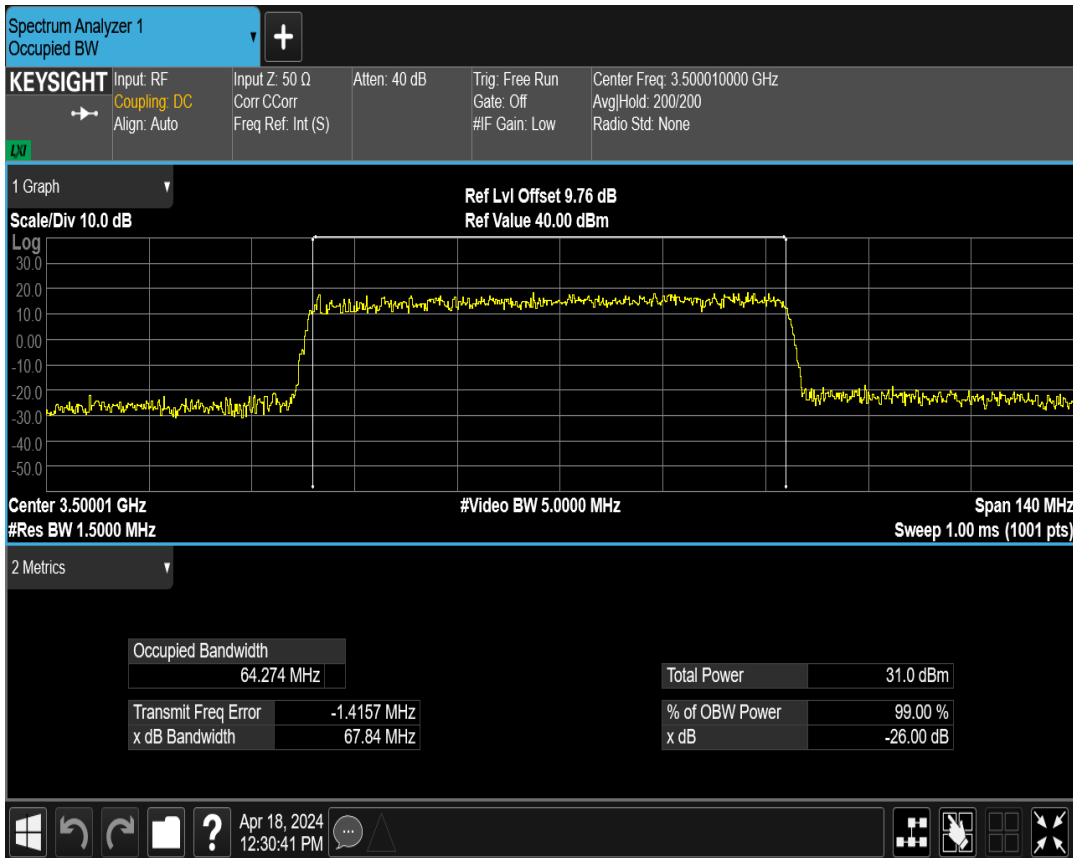
n78(3450-3550) SCS=30kHz CP\_QPSK BW=70MHz Channel=632334 RB=189@0



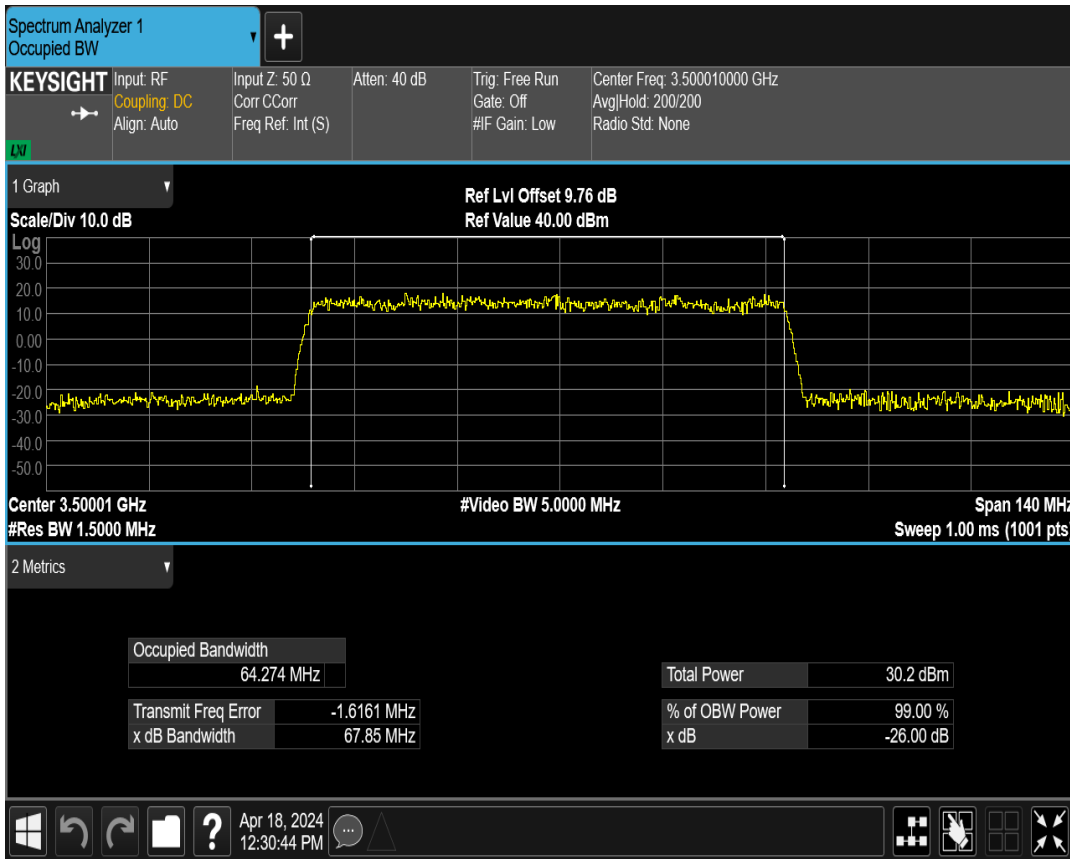
n78(3450-3550) SCS=30kHz DFT\_BPSK BW=70MHz Channel=633334 RB=180@0



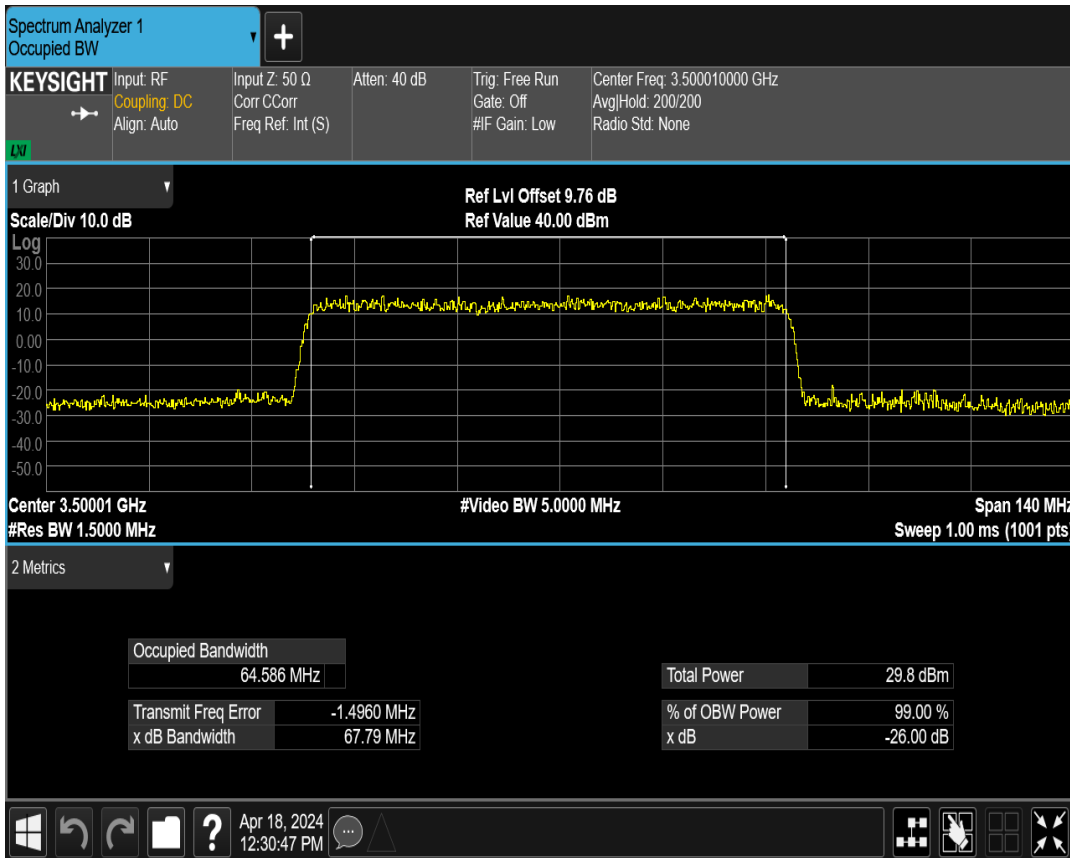
n78(3450-3550) SCS=30kHz DFT\_QPSK BW=70MHz Channel=633334 RB=180@0



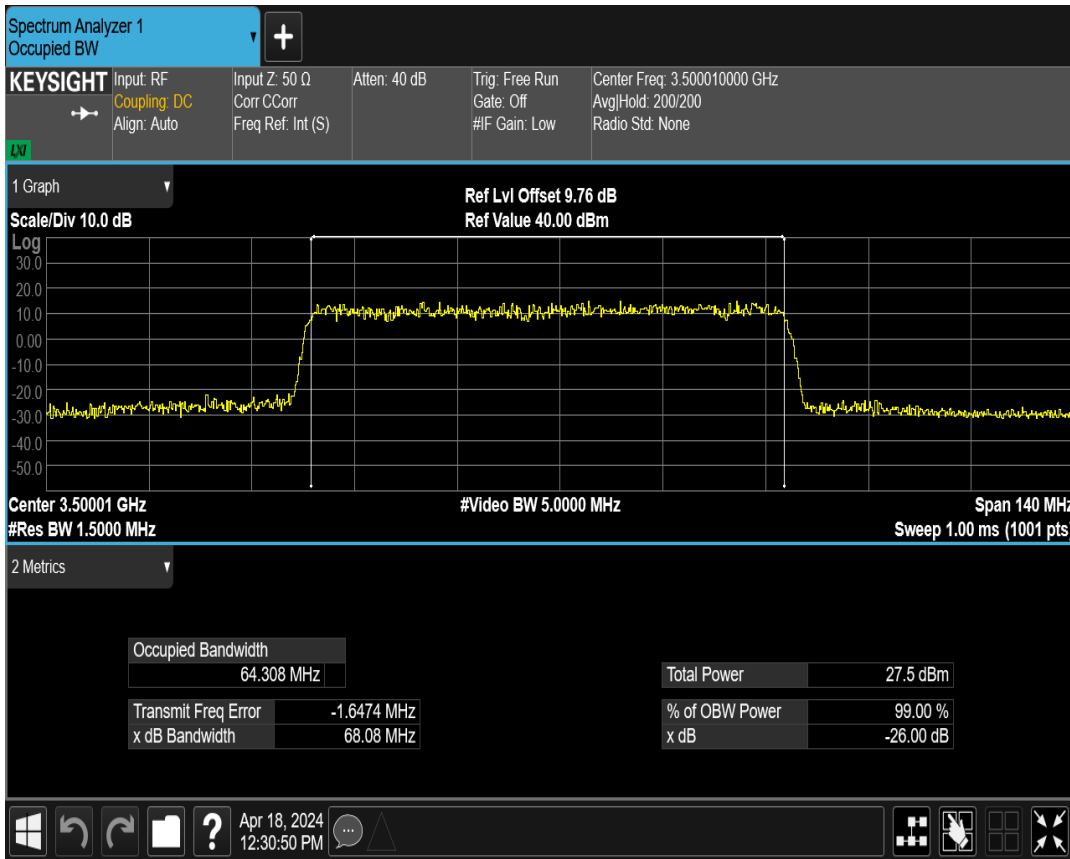
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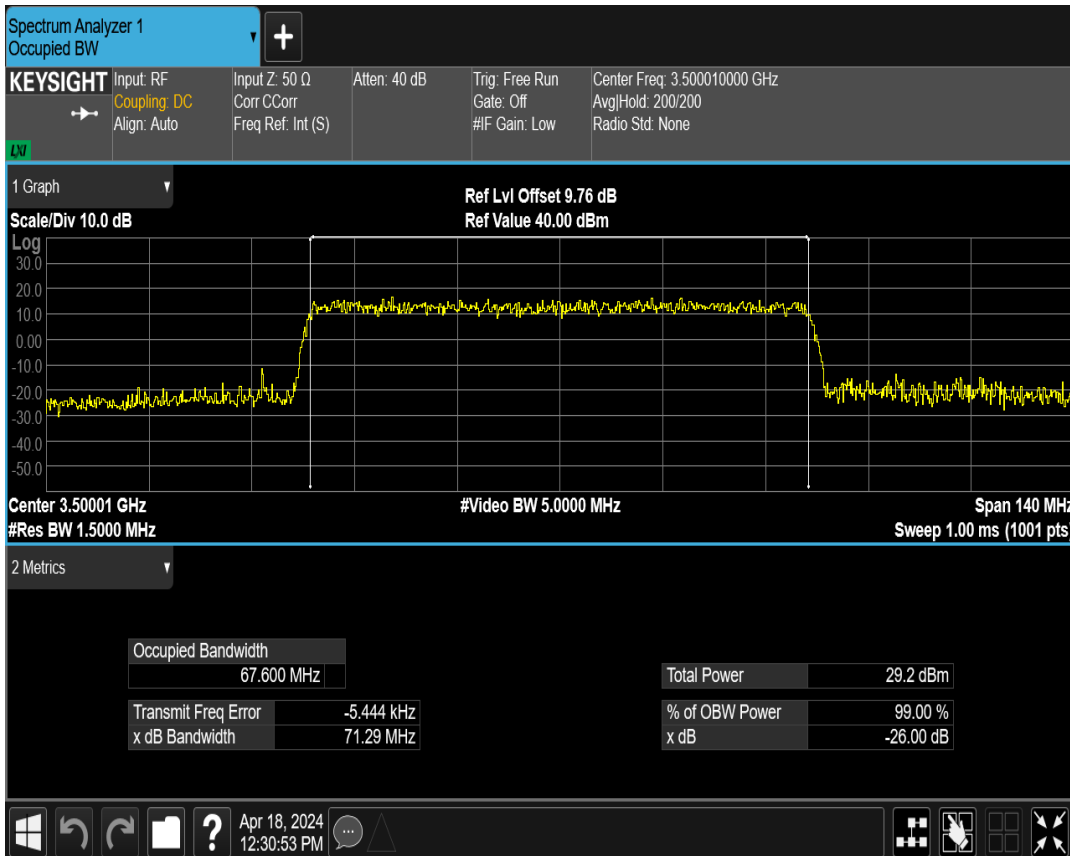
n78(3450-3550) SCS=30kHz DFT\_QAM64 BW=70MHz Channel=633334 RB=180@0



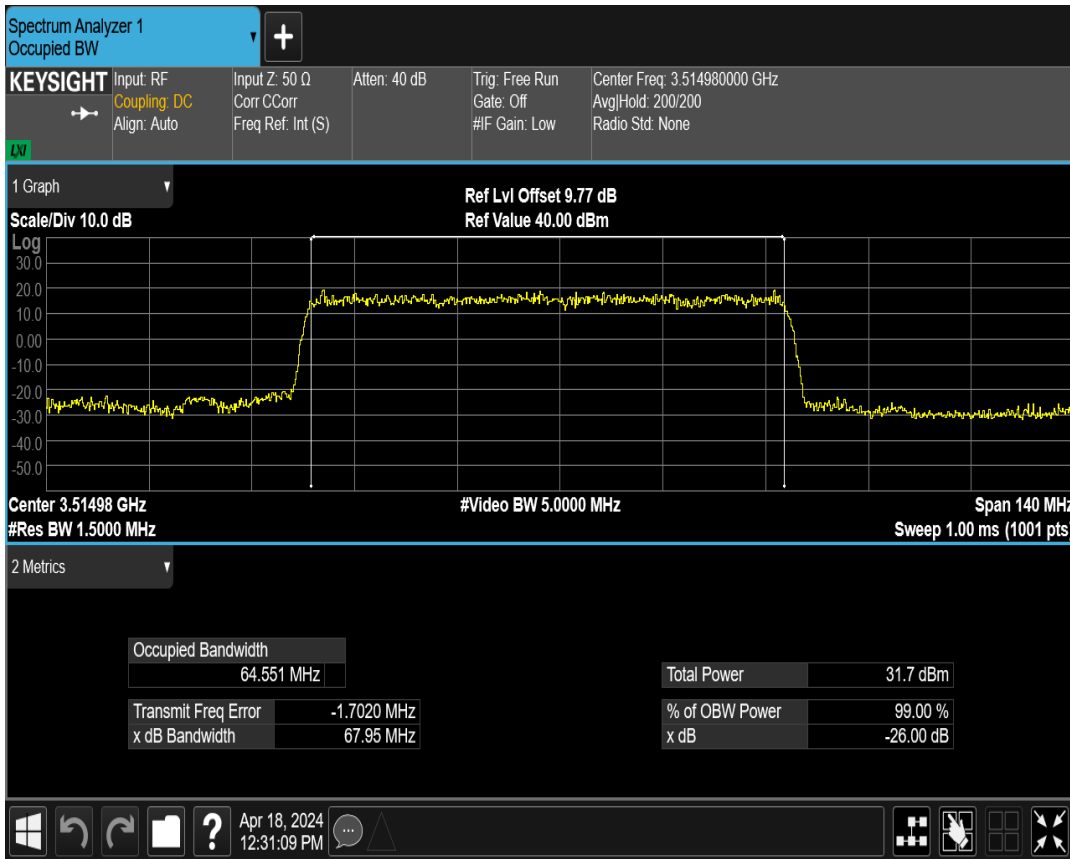
n78(3450-3550) SCS=30kHz DFT\_QAM256 BW=70MHz Channel=633334 RB=180@0



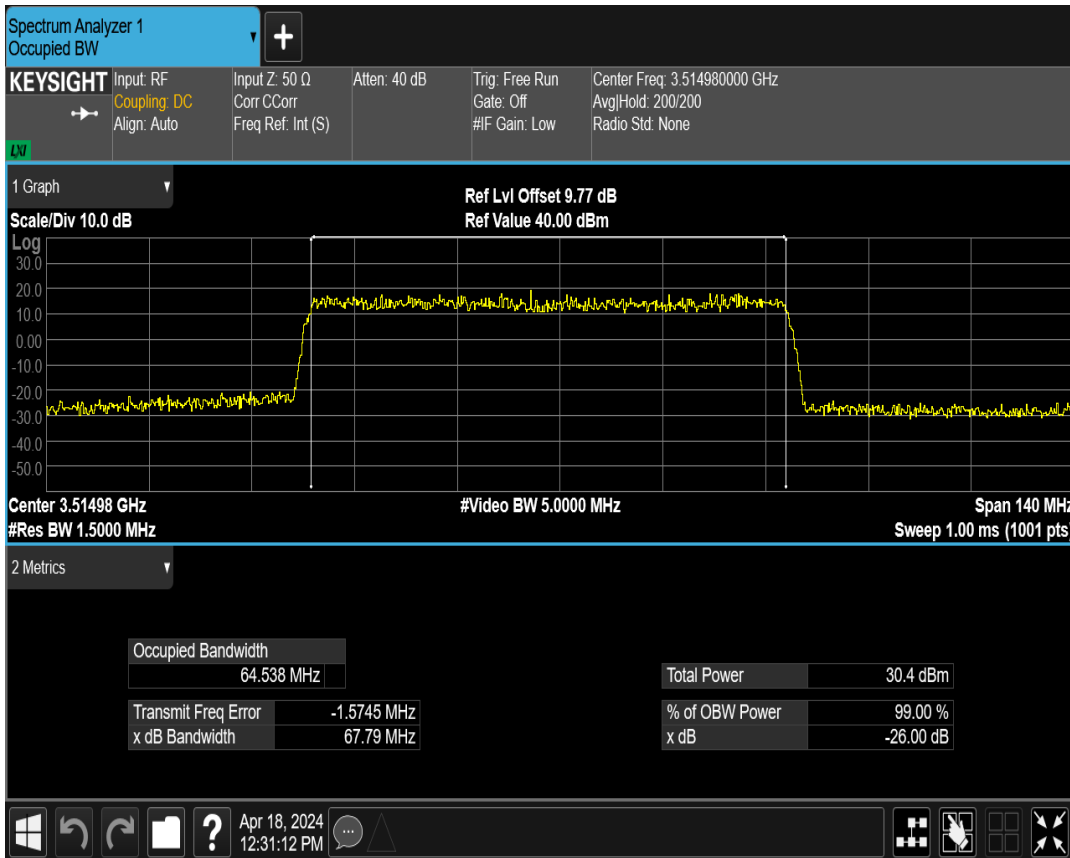
n78(3450-3550) SCS=30kHz CP\_QPSK BW=70MHz Channel=633334 RB=189@0



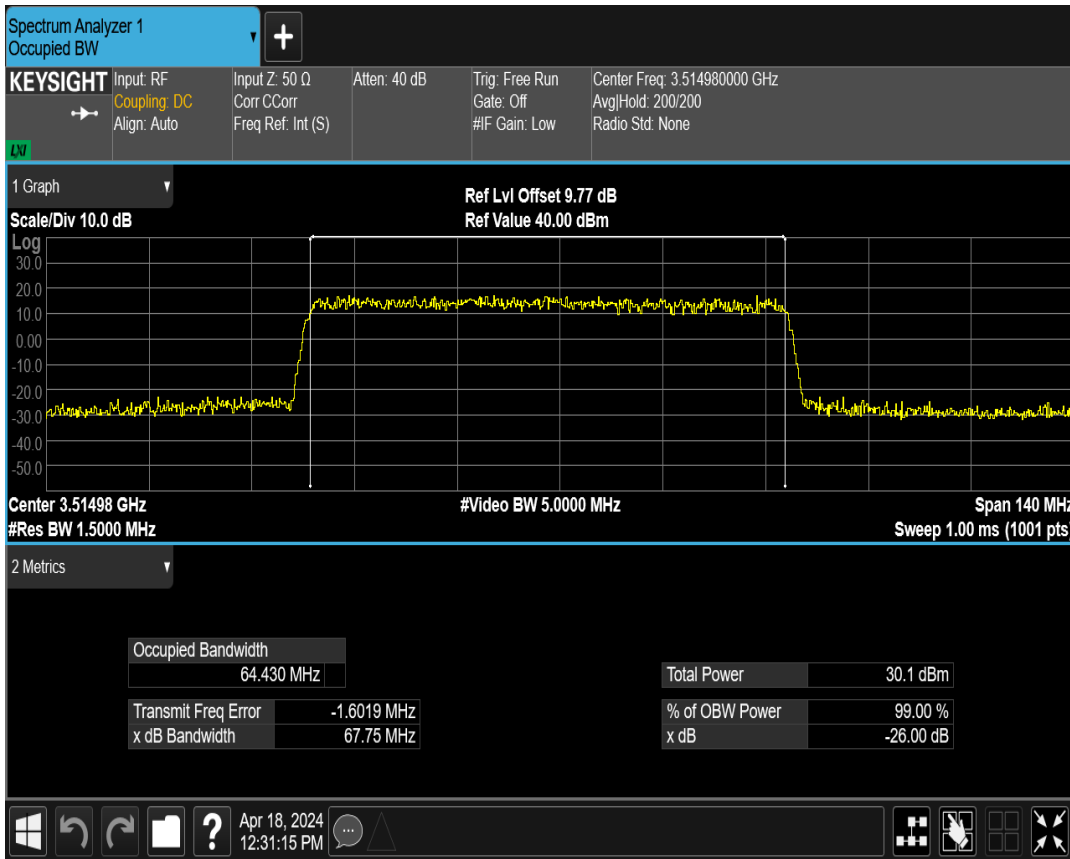
n78(3450-3550) SCS=30kHz DFT\_BPSK BW=70MHz Channel=634332 RB=180@0



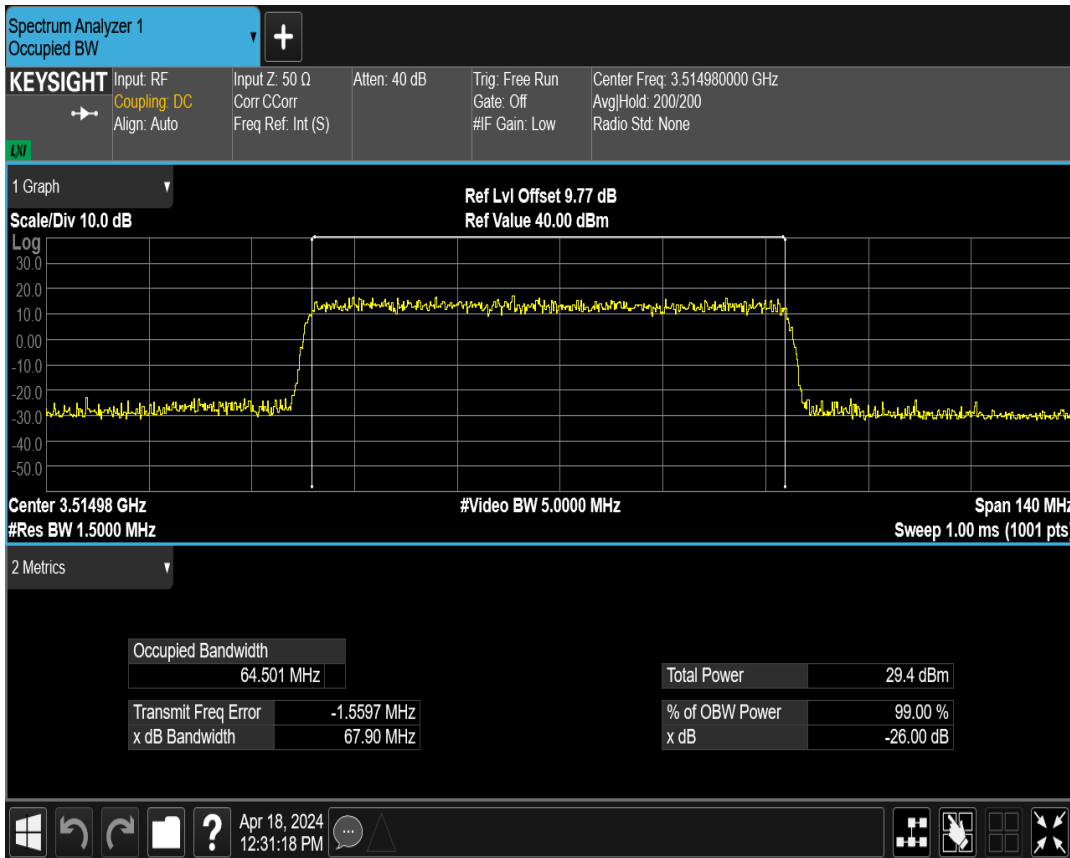
n78(3450-3550) SCS=30kHz DFT\_QPSK BW=70MHz Channel=634332 RB=180@0



n78(3450-3550) SCS=30kHz DFT\_QAM16 BW=70MHz Channel=634332 RB=180@0

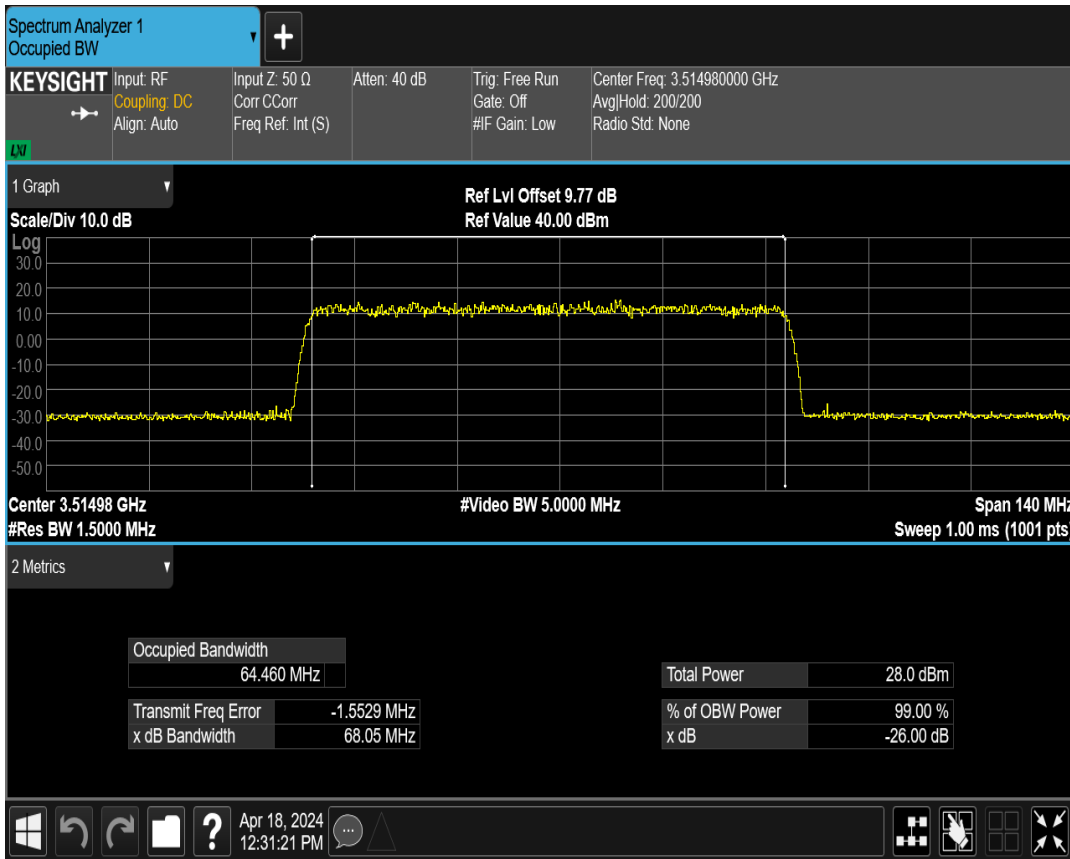


n78(3450-3550) SCS=30kHz DFT\_QAM64 BW=70MHz Channel=634332 RB=180@0

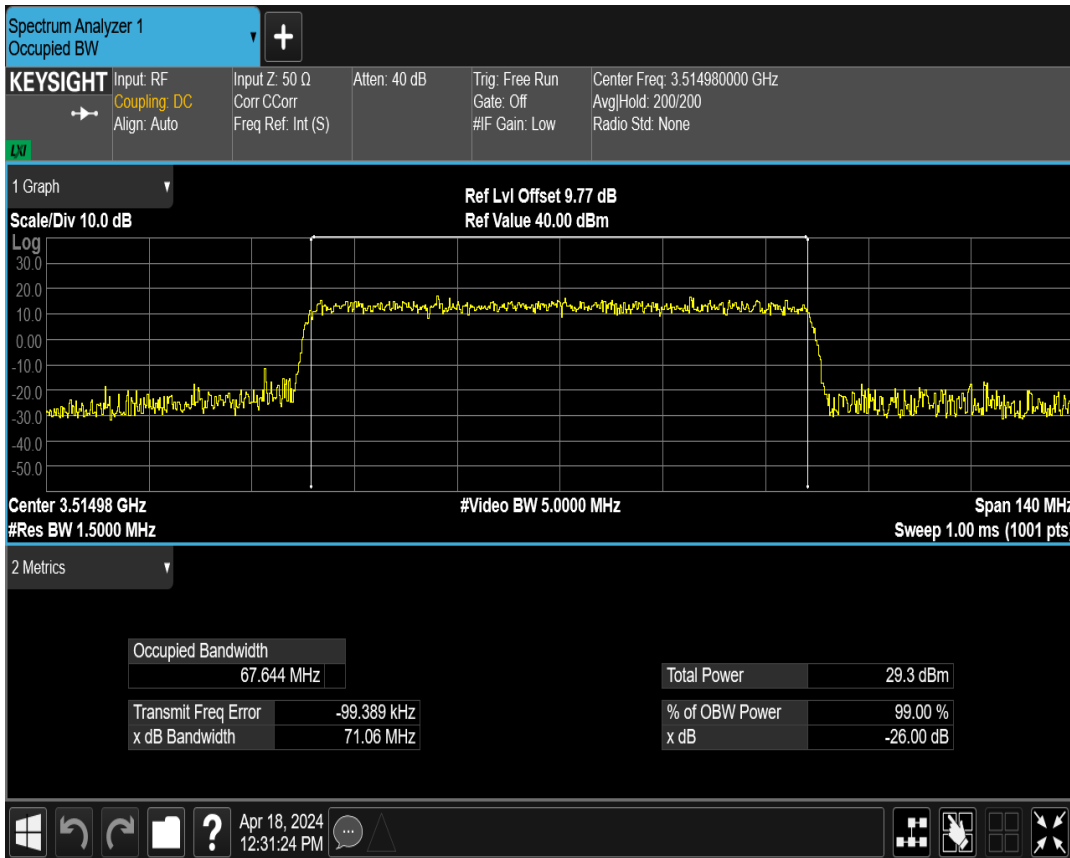




n78(3450-3550) SCS=30kHz DFT\_QAM256 BW=70MHz Channel=634332 RB=180@0



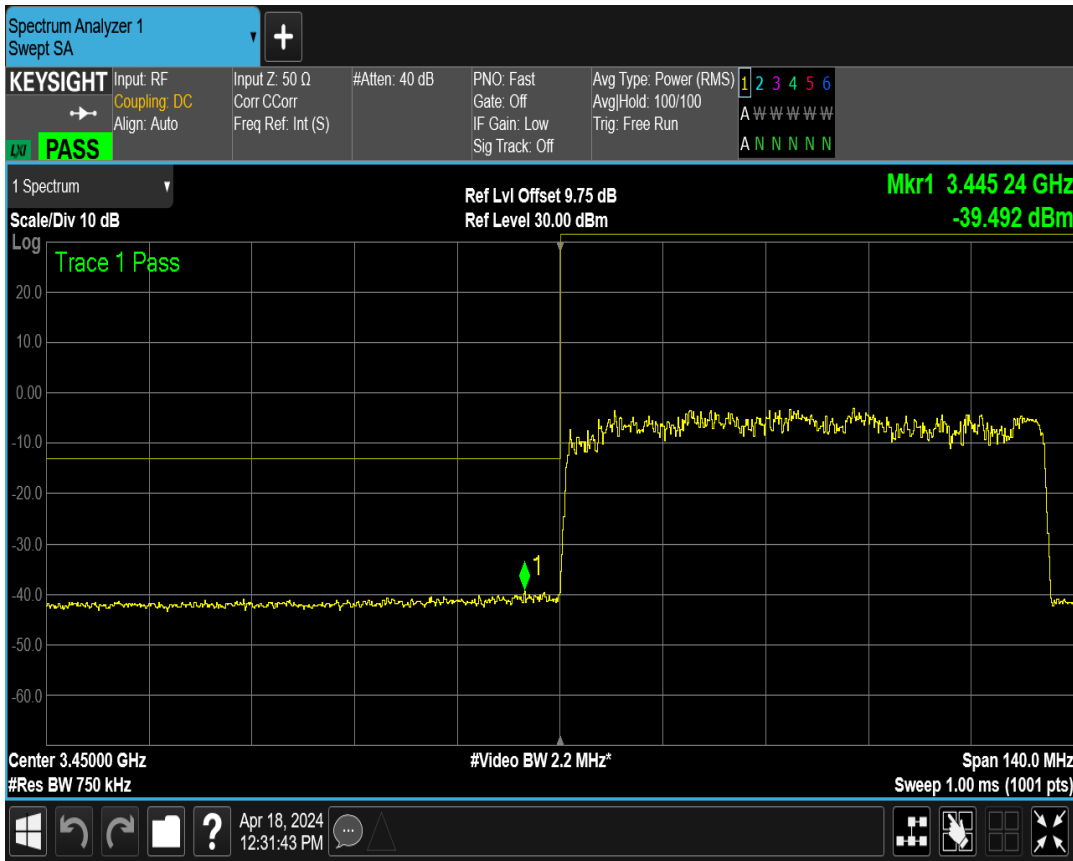
n78(3450-3550) SCS=30kHz CP\_QPSK BW=70MHz Channel=634332 RB=189@0



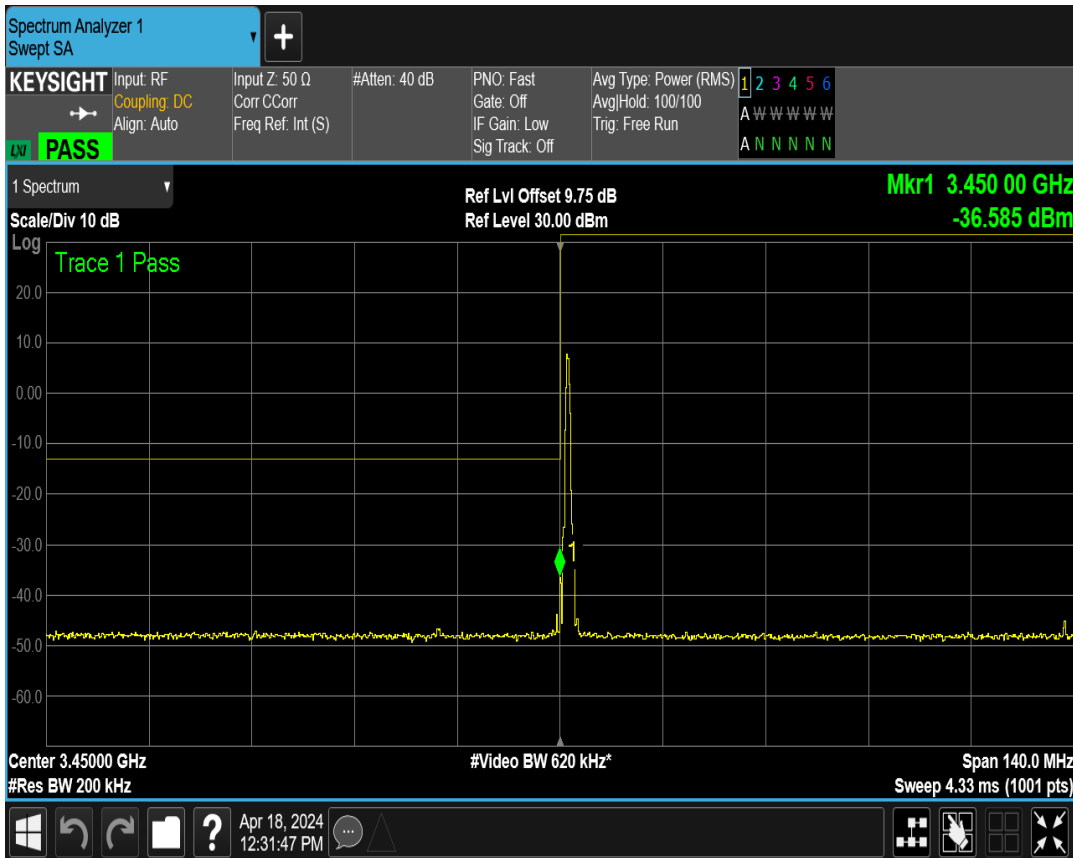
## 5 Band edge for NR FR1

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	3445.24	-39.49	-13	PASS
n78(3450-3550)	30	70	632334	1@0	DFT_QPSK	3450.00	-36.58	-13	PASS
n78(3450-3550)	30	70	634332	180@0	DFT_QPSK	3609.22	-37.58	-13	PASS
n78(3450-3550)	30	70	634332	1@188	DFT_QPSK	3608.66	-43.51	-13	PASS

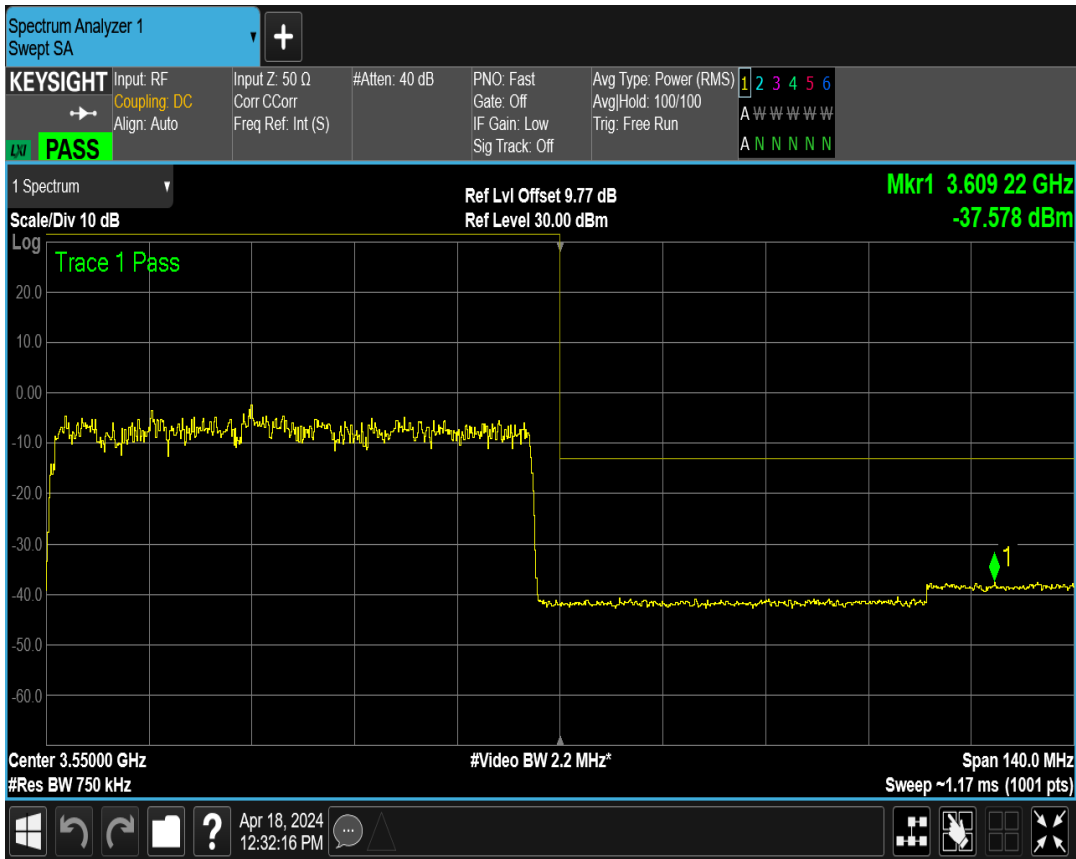
n78(3450-3550) SCS=30kHz DFT\_QPSK BW=70MHz Channel=632334 RB=180@0



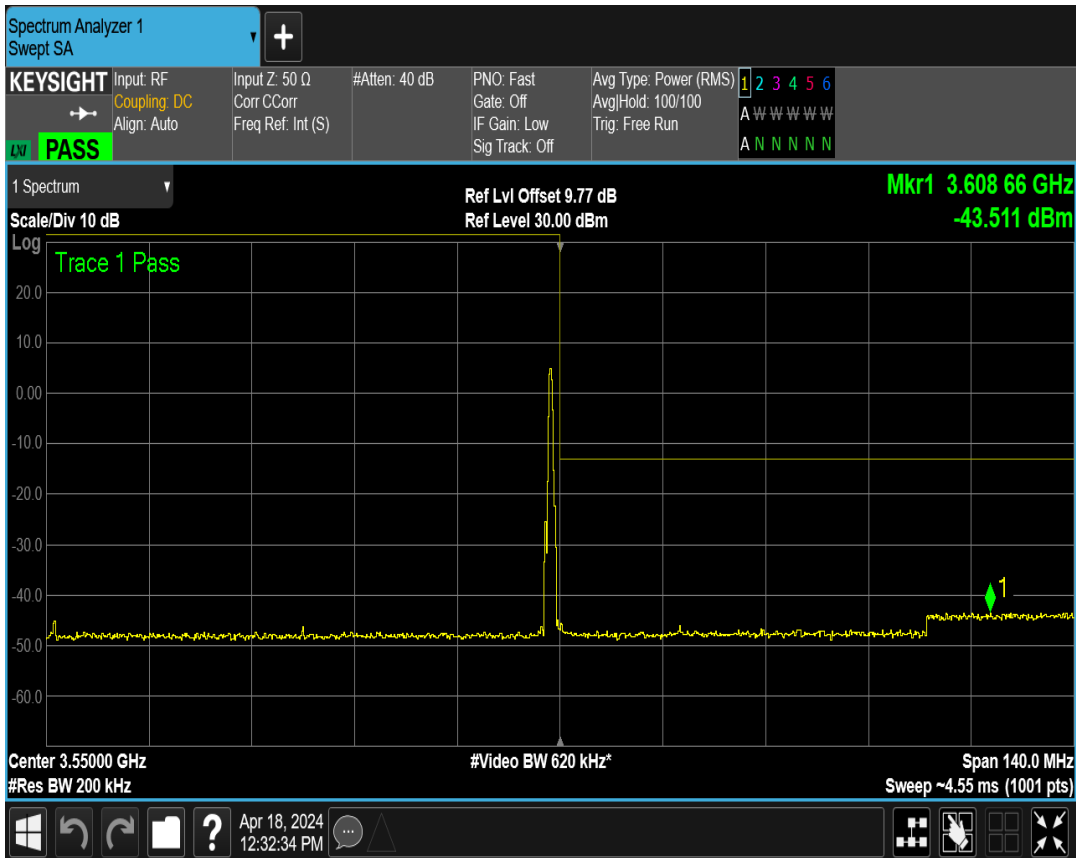
n78(3450-3550) SCS=30kHz DFT\_QPSK BW=70MHz Channel=632334 RB=1@0



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



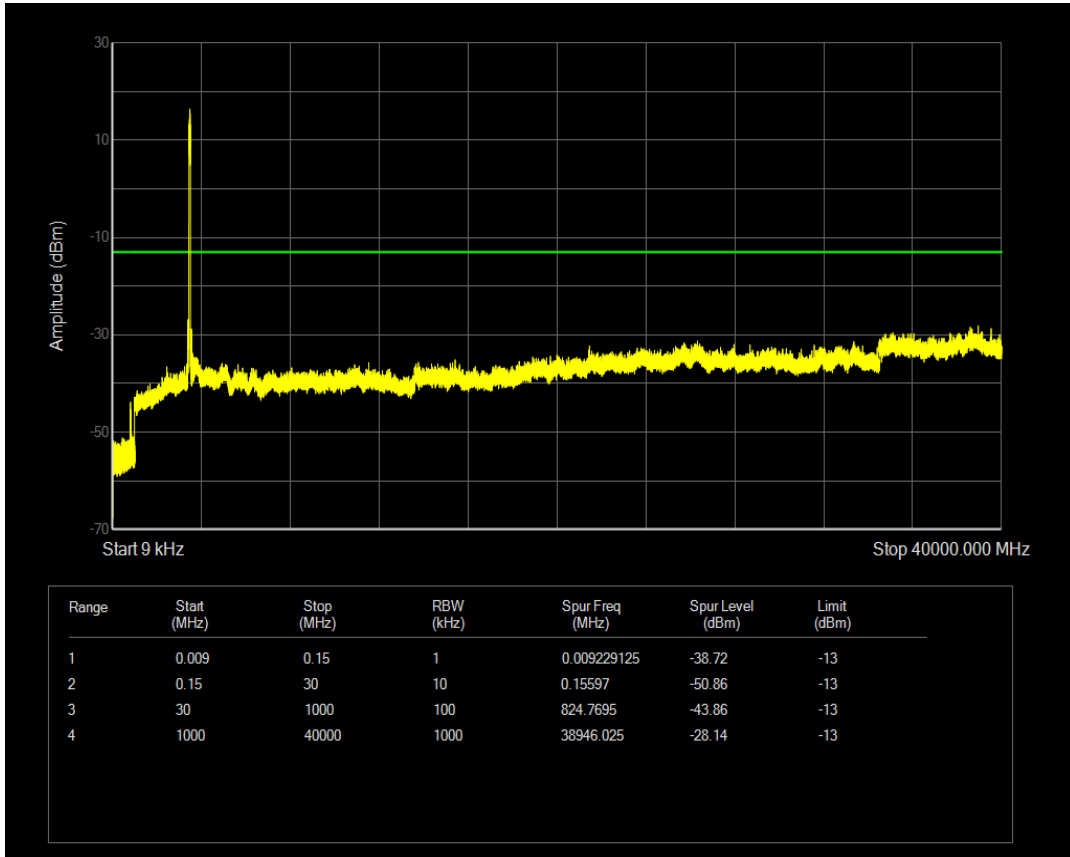
n78(3450-3550) SCS=30kHz DFT\_QPSK BW=70MHz Channel=634332 RB=1@188



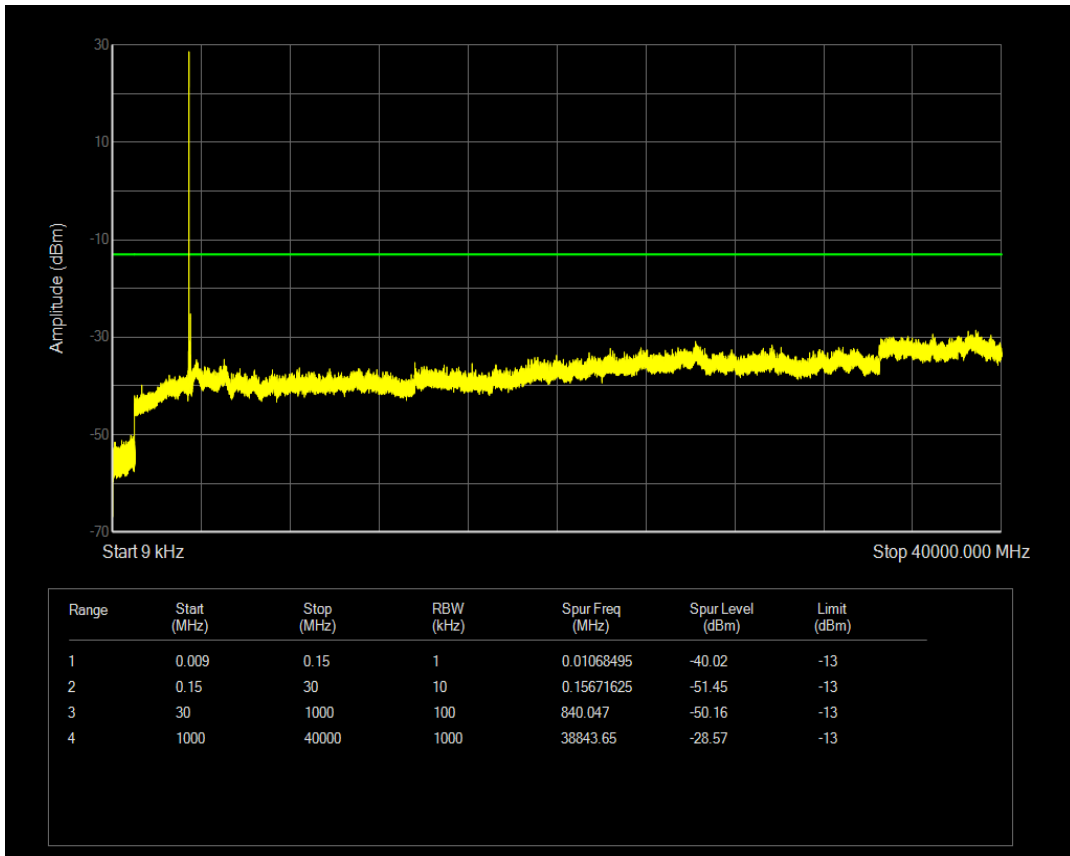
## 6 Out-of-band emissions for NR FR1

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	38946.03	-28.14	-13	PASS
n78(3450-3550)	30	70	632334	1@0	DFT_QPSK	38843.65	-28.57	-13	PASS
n78(3450-3550)	30	70	632334	1@188	DFT_QPSK	38696.43	-28.21	-13	PASS
n78(3450-3550)	30	70	633334	180@0	DFT_QPSK	38762.73	-28.37	-13	PASS
n78(3450-3550)	30	70	633334	1@0	DFT_QPSK	39016.23	-28.80	-13	PASS
n78(3450-3550)	30	70	633334	1@188	DFT_QPSK	38578.45	-28.58	-13	PASS
n78(3450-3550)	30	70	634332	180@0	DFT_QPSK	39572.95	-28.73	-13	PASS
n78(3450-3550)	30	70	634332	1@0	DFT_QPSK	38898.25	-27.93	-13	PASS
n78(3450-3550)	30	70	634332	1@188	DFT_QPSK	39006.48	-28.70	-13	PASS

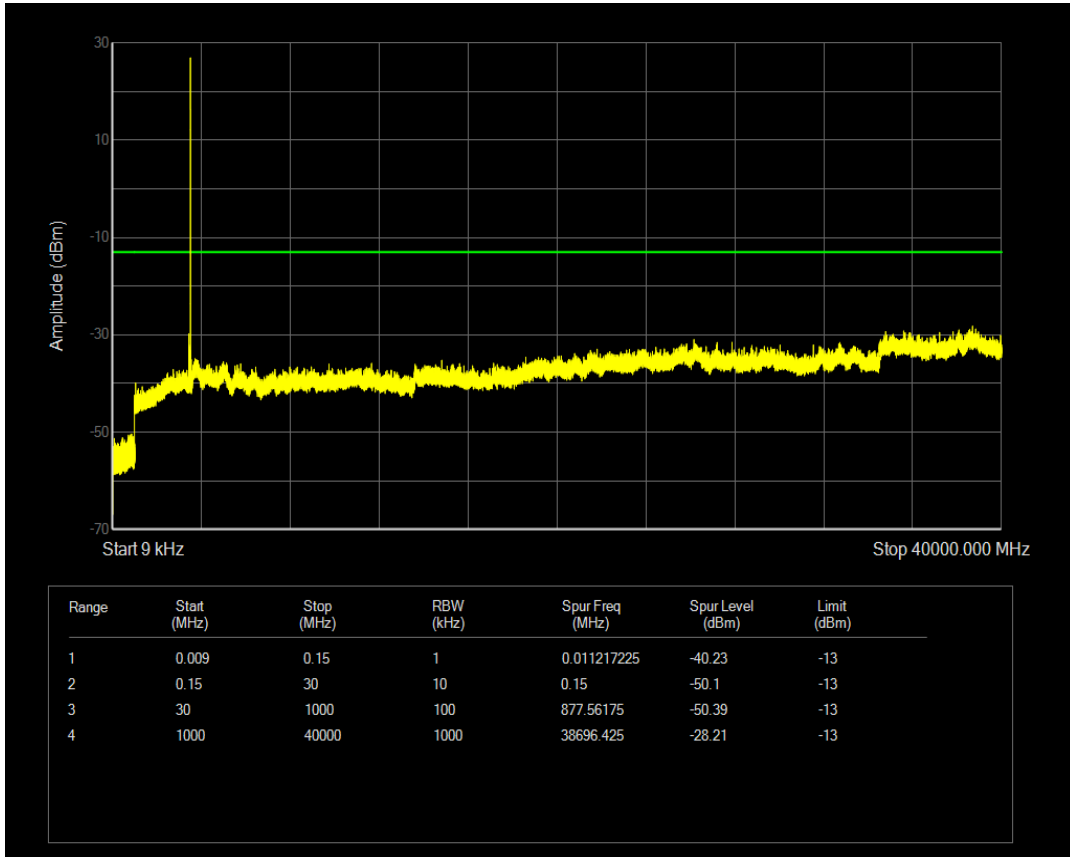
n78(3450-3550) SCS=30kHz DFT\_QPSK BW=70MHz Channel=632334 RB=180@0



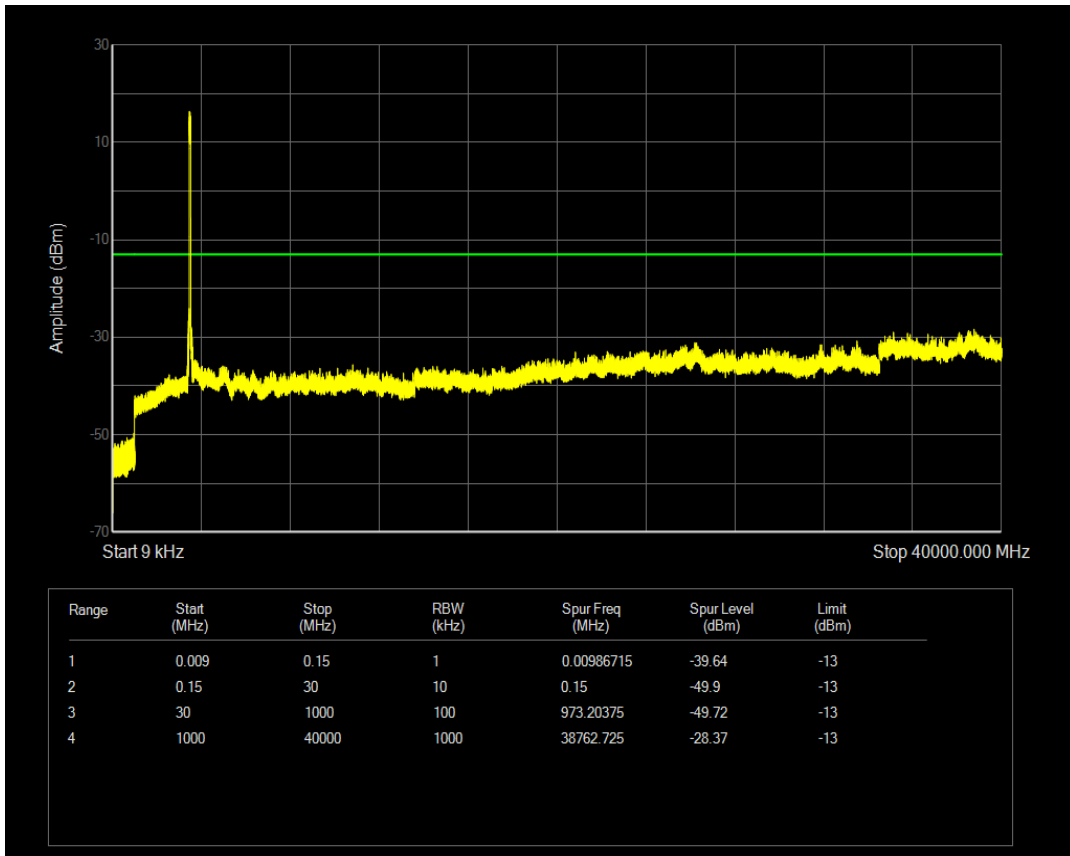
n78(3450-3550) SCS=30kHz DFT\_QPSK BW=70MHz Channel=632334 RB=1@0



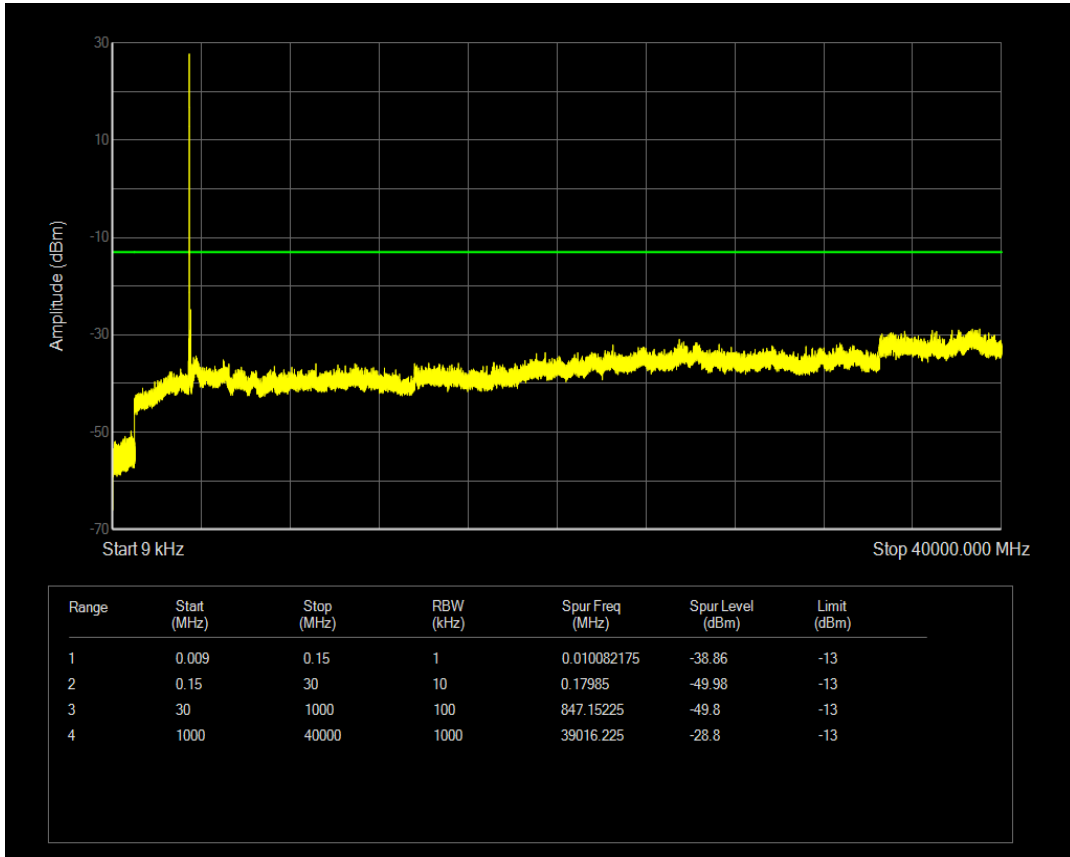
n78(3450-3550) SCS=30kHz DFT\_QPSK BW=70MHz Channel=632334 RB=1 @188



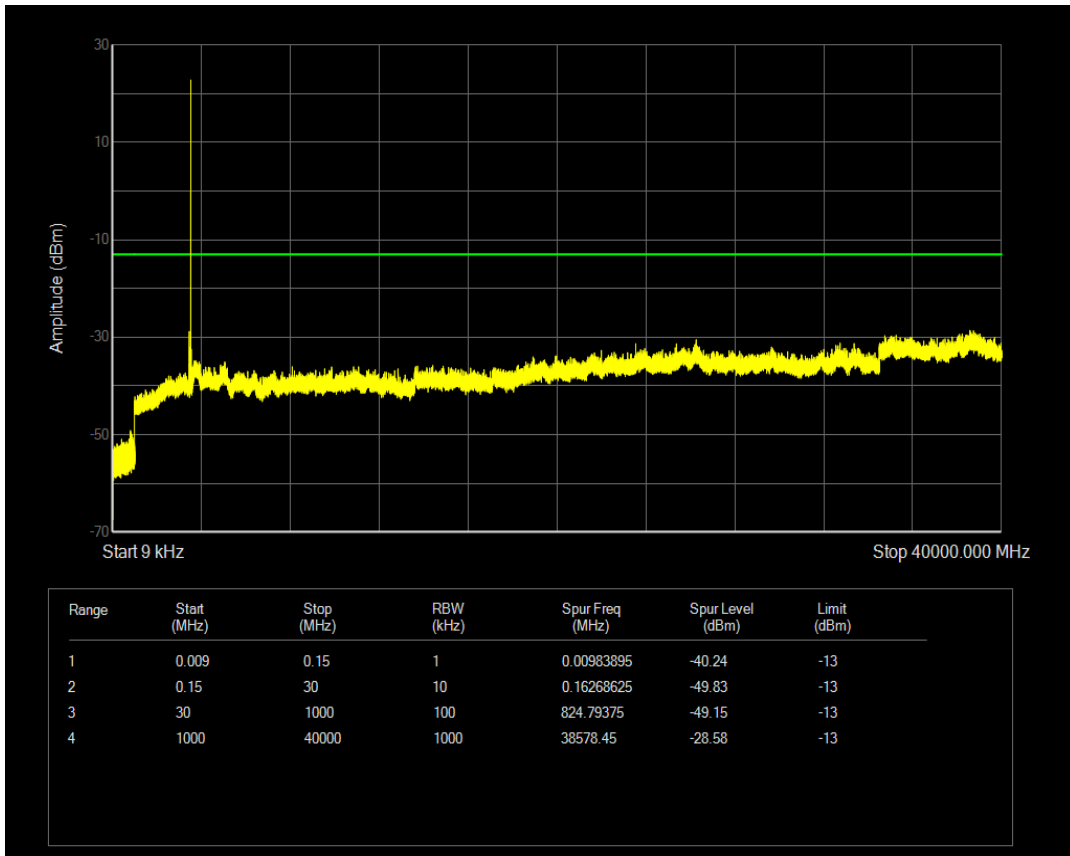
n78(3450-3550) SCS=30kHz DFT\_QPSK BW=70MHz Channel=633334 RB=180 @0



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

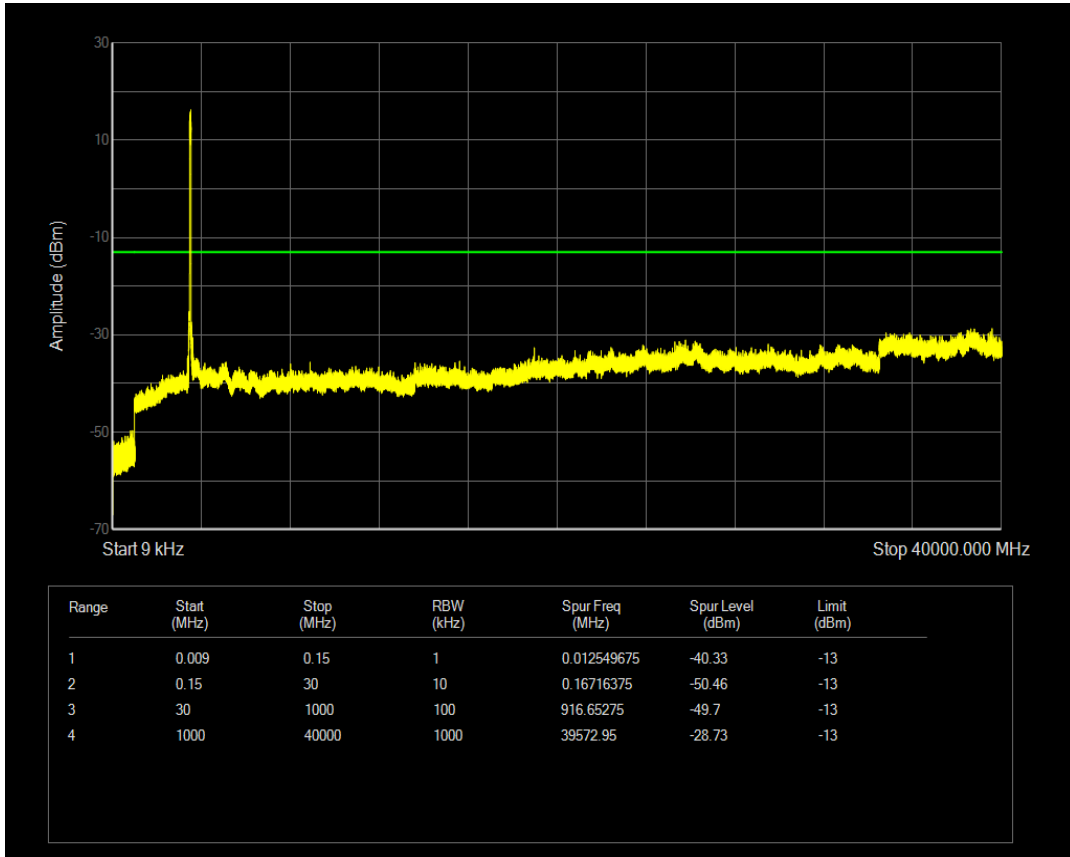


n78(3450-3550) SCS=30kHz DFT\_QPSK BW=70MHz Channel=633334 RB=1 @188

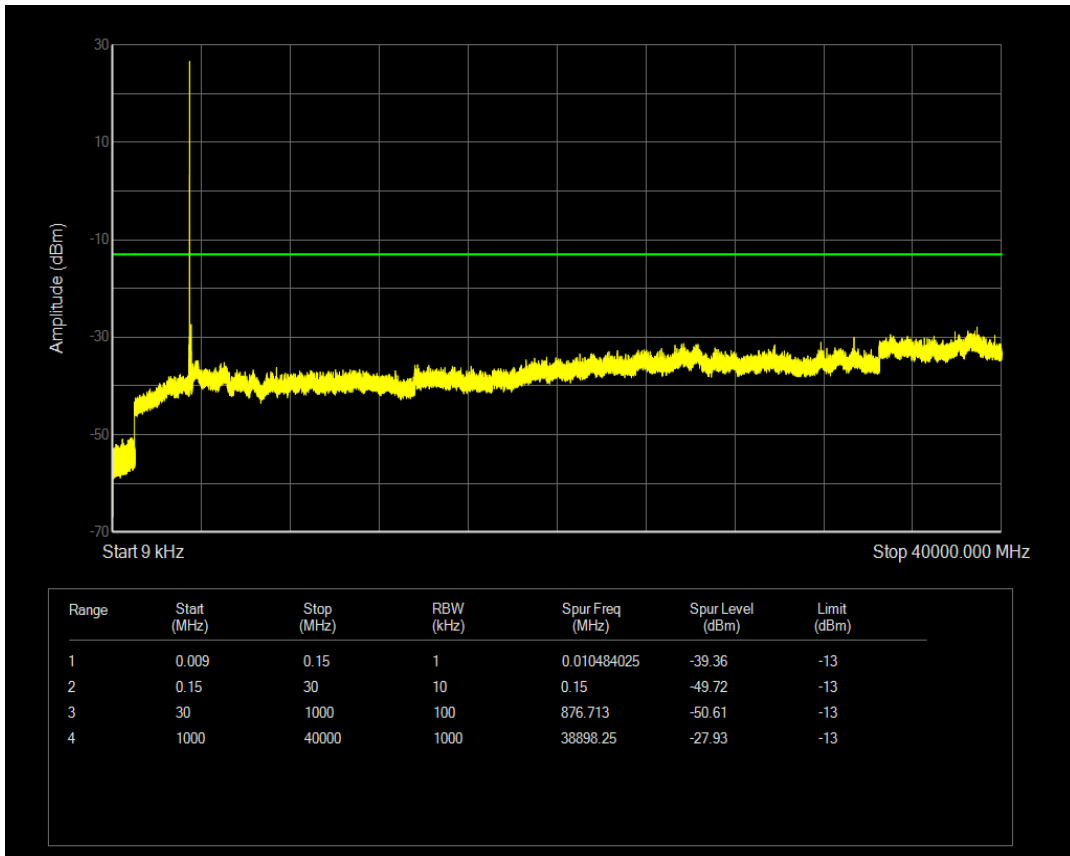




n78(3450-3550) SCS=30kHz DFT\_QPSK BW=70MHz Channel=634332 RB=180@0



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

