

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(3550-3700)	30	70	639000	90@45	DFT_BPSK	25.89	24.79	24.98	33.01	PASS
n78(3550-3700)	30	70	639000	1@1	DFT_BPSK	25.36	24.26	24.45	33.01	PASS
n78(3550-3700)	30	70	639000	1@187	DFT_BPSK	25.57	24.47	24.66	33.01	PASS
n78(3550-3700)	30	70	639000	90@45	DFT_QPSK	25.89	24.79	24.98	33.01	PASS
n78(3550-3700)	30	70	639000	1@1	DFT_QPSK	25.20	24.10	24.29	33.01	PASS
n78(3550-3700)	30	70	639000	1@187	DFT_QPSK	25.34	24.24	24.43	33.01	PASS
n78(3550-3700)	30	70	639000	90@45	DFT_QAM16	24.90	23.80	23.99	33.01	PASS
n78(3550-3700)	30	70	639000	1@1	DFT_QAM16	24.70	23.60	23.79	33.01	PASS
n78(3550-3700)	30	70	639000	1@187	DFT_QAM16	24.89	23.79	23.98	33.01	PASS
n78(3550-3700)	30	70	639000	90@45	DFT_QAM64	23.42	22.32	22.51	33.01	PASS
n78(3550-3700)	30	70	639000	1@1	DFT_QAM64	23.07	21.97	22.16	33.01	PASS
n78(3550-3700)	30	70	639000	1@187	DFT_QAM64	23.21	22.11	22.3	33.01	PASS
n78(3550-3700)	30	70	639000	90@45	DFT_QAM256	21.40	20.30	20.49	33.01	PASS
n78(3550-3700)	30	70	639000	1@1	DFT_QAM256	20.94	19.84	20.03	33.01	PASS
n78(3550-3700)	30	70	639000	1@187	DFT_QAM256	21.09	19.99	20.18	33.01	PASS
n78(3550-3700)	30	70	639000	95@47	CP_QPSK	24.40	23.30	23.49	33.01	PASS
n78(3550-3700)	30	70	639000	1@1	CP_QPSK	23.91	22.81	23	33.01	PASS
n78(3550-3700)	30	70	639000	1@187	CP_QPSK	24.10	23.00	23.19	33.01	PASS
n78(3550-3700)	30	70	639000	95@47	CP_QAM16	23.92	22.82	23.01	33.01	PASS
n78(3550-3700)	30	70	639000	1@1	CP_QAM16	23.50	22.40	22.59	33.01	PASS
n78(3550-3700)	30	70	639000	1@187	CP_QAM16	23.62	22.52	22.71	33.01	PASS
n78(3550-3700)	30	70	639000	95@47	CP_QAM64	22.39	21.29	21.48	33.01	PASS
n78(3550-3700)	30	70	639000	1@1	CP_QAM64	21.88	20.78	20.97	33.01	PASS
n78(3550-3700)	30	70	639000	1@187	CP_QAM64	22.05	20.95	21.14	33.01	PASS
n78(3550-3700)	30	70	639000	95@47	CP_QAM256	19.58	18.48	18.67	33.01	PASS
n78(3550-3700)	30	70	639000	1@1	CP_QAM256	19.50	18.40	18.59	33.01	PASS
n78(3550-3700)	30	70	639000	1@187	CP_QAM256	19.67	18.57	18.76	33.01	PASS
n78(3550-3700)	30	70	641666	90@45	DFT_BPSK	26.03	24.93	25.12	33.01	PASS
n78(3550-3700)	30	70	641666	1@1	DFT_BPSK	25.49	24.39	24.58	33.01	PASS
n78(3550-3700)	30	70	641666	1@187	DFT_BPSK	25.45	24.35	24.54	33.01	PASS
n78(3550-3700)	30	70	641666	90@45	DFT_QPSK	25.96	24.86	25.05	33.01	PASS
n78(3550-3700)	30	70	641666	1@1	DFT_QPSK	25.36	24.26	24.45	33.01	PASS
n78(3550-3700)	30	70	641666	1@187	DFT_QPSK	25.28	24.18	24.37	33.01	PASS
n78(3550-3700)	30	70	641666	90@45	DFT_QAM16	24.97	23.87	24.06	33.01	PASS
n78(3550-3700)	30	70	641666	1@1	DFT_QAM16	24.52	23.42	23.61	33.01	PASS
n78(3550-3700)	30	70	641666	1@187	DFT_QAM16	24.47	23.37	23.56	33.01	PASS
n78(3550-3700)	30	70	641666	90@45	DFT_QAM64	23.46	22.36	22.55	33.01	PASS
n78(3550-3700)	30	70	641666	1@1	DFT_QAM64	23.28	22.18	22.37	33.01	PASS

n78(3550-3700)	30	70	641666	1@187	DFT_QAM64	23.08	21.98	22.17	33.01	PASS
n78(3550-3700)	30	70	641666	90@45	DFT_QAM256	21.44	20.34	20.53	33.01	PASS
n78(3550-3700)	30	70	641666	1@1	DFT_QAM256	21.05	19.95	20.14	33.01	PASS
n78(3550-3700)	30	70	641666	1@187	DFT_QAM256	21.00	19.90	20.09	33.01	PASS
n78(3550-3700)	30	70	641666	95@47	CP_QPSK	24.47	23.37	23.56	33.01	PASS
n78(3550-3700)	30	70	641666	1@1	CP_QPSK	24.06	22.96	23.15	33.01	PASS
n78(3550-3700)	30	70	641666	1@187	CP_QPSK	23.91	22.81	23	33.01	PASS
n78(3550-3700)	30	70	641666	95@47	CP_QAM16	23.92	22.82	23.01	33.01	PASS
n78(3550-3700)	30	70	641666	1@1	CP_QAM16	23.56	22.46	22.65	33.01	PASS
n78(3550-3700)	30	70	641666	1@187	CP_QAM16	23.57	22.47	22.66	33.01	PASS
n78(3550-3700)	30	70	641666	95@47	CP_QAM64	22.40	21.30	21.49	33.01	PASS
n78(3550-3700)	30	70	641666	1@1	CP_QAM64	21.99	20.89	21.08	33.01	PASS
n78(3550-3700)	30	70	641666	1@187	CP_QAM64	21.87	20.77	20.96	33.01	PASS
n78(3550-3700)	30	70	641666	95@47	CP_QAM256	19.61	18.51	18.7	33.01	PASS
n78(3550-3700)	30	70	641666	1@1	CP_QAM256	19.62	18.52	18.71	33.01	PASS
n78(3550-3700)	30	70	641666	1@187	CP_QAM256	19.48	18.38	18.57	33.01	PASS
n78(3550-3700)	30	70	644332	90@45	DFT_BPSK	25.82	24.72	24.91	33.01	PASS
n78(3550-3700)	30	70	644332	1@1	DFT_BPSK	25.41	24.31	24.5	33.01	PASS
n78(3550-3700)	30	70	644332	1@187	DFT_BPSK	25.31	24.21	24.4	33.01	PASS
n78(3550-3700)	30	70	644332	90@45	DFT_QPSK	25.77	24.67	24.86	33.01	PASS
n78(3550-3700)	30	70	644332	1@1	DFT_QPSK	25.29	24.19	24.38	33.01	PASS
n78(3550-3700)	30	70	644332	1@187	DFT_QPSK	25.16	24.06	24.25	33.01	PASS
n78(3550-3700)	30	70	644332	90@45	DFT_QAM16	24.81	23.71	23.9	33.01	PASS
n78(3550-3700)	30	70	644332	1@1	DFT_QAM16	24.76	23.66	23.85	33.01	PASS
n78(3550-3700)	30	70	644332	1@187	DFT_QAM16	24.40	23.30	23.49	33.01	PASS
n78(3550-3700)	30	70	644332	90@45	DFT_QAM64	23.36	22.26	22.45	33.01	PASS
n78(3550-3700)	30	70	644332	1@1	DFT_QAM64	23.09	21.99	22.18	33.01	PASS
n78(3550-3700)	30	70	644332	1@187	DFT_QAM64	23.21	22.11	22.3	33.01	PASS
n78(3550-3700)	30	70	644332	90@45	DFT_QAM256	21.29	20.19	20.38	33.01	PASS
n78(3550-3700)	30	70	644332	1@1	DFT_QAM256	20.94	19.84	20.03	33.01	PASS
n78(3550-3700)	30	70	644332	1@187	DFT_QAM256	21.16	20.06	20.25	33.01	PASS
n78(3550-3700)	30	70	644332	95@47	CP_QPSK	24.27	23.17	23.36	33.01	PASS
n78(3550-3700)	30	70	644332	1@1	CP_QPSK	23.94	22.84	23.03	33.01	PASS
n78(3550-3700)	30	70	644332	1@187	CP_QPSK	23.80	22.70	22.89	33.01	PASS
n78(3550-3700)	30	70	644332	95@47	CP_QAM16	23.79	22.69	22.88	33.01	PASS
n78(3550-3700)	30	70	644332	1@1	CP_QAM16	23.53	22.43	22.62	33.01	PASS
n78(3550-3700)	30	70	644332	1@187	CP_QAM16	23.44	22.34	22.53	33.01	PASS
n78(3550-3700)	30	70	644332	95@47	CP_QAM64	22.25	21.15	21.34	33.01	PASS
n78(3550-3700)	30	70	644332	1@1	CP_QAM64	21.91	20.81	21	33.01	PASS
n78(3550-3700)	30	70	644332	1@187	CP_QAM64	21.91	20.81	21	33.01	PASS
n78(3550-3700)	30	70	644332	95@47	CP_QAM256	19.38	18.28	18.47	33.01	PASS
n78(3550-3700)	30	70	644332	1@1	CP_QAM256	19.41	18.31	18.5	33.01	PASS
n78(3550-3700)	30	70	644332	1@187	CP_QAM256	19.33	18.23	18.42	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(3550-3700)	30	70	641666	90@45	DFT_BPSK	3.91	-22.69	-0.01	Within authorized band for 5G NR n78	PASS
n78(3550-3700)	30	70	641666	90@45	DFT_BPSK	3.45	-23.53	-0.01		PASS
n78(3550-3700)	30	70	641666	90@45	DFT_BPSK	4.50	-19.26	-0.01		PASS
n78(3550-3700)	30	70	641666	90@45	DFT_QPSK	3.91	-22.05	-0.01		PASS
n78(3550-3700)	30	70	641666	90@45	DFT_QPSK	3.45	-30.79	-0.01		PASS
n78(3550-3700)	30	70	641666	90@45	DFT_QPSK	4.50	-20.16	-0.01		PASS

Note: Only the worst case shown in the report.

NV:

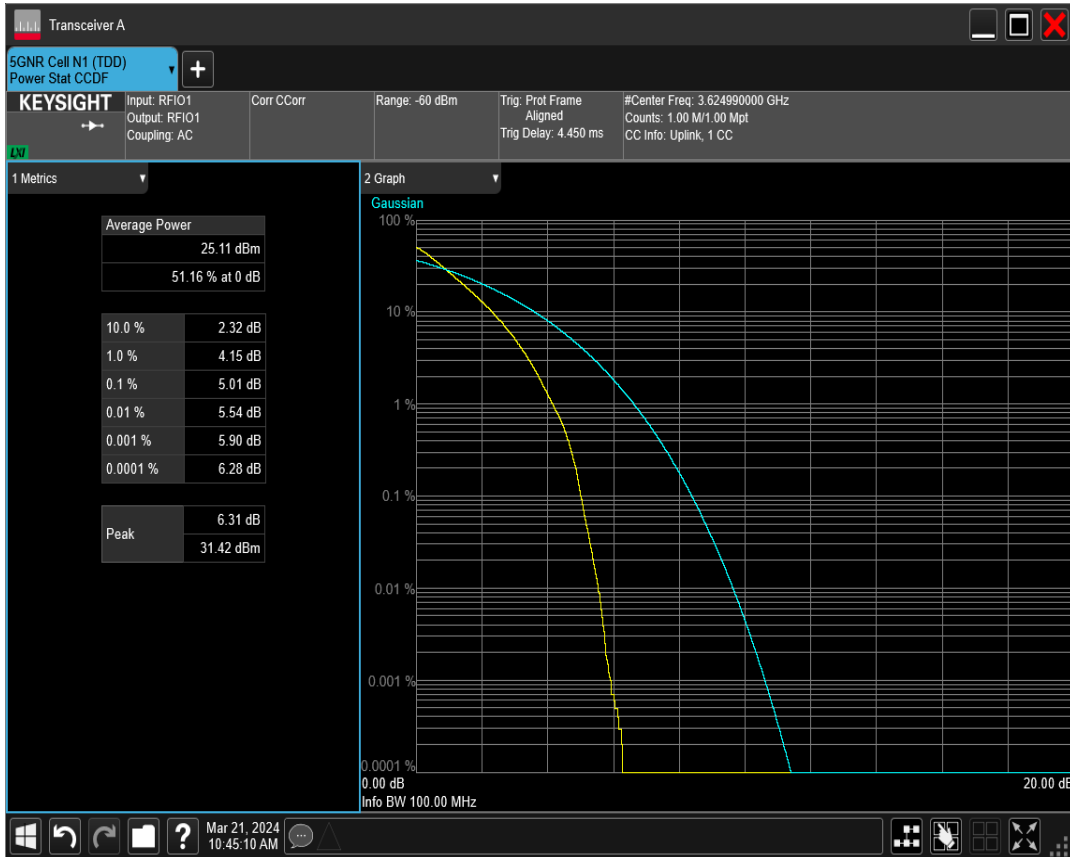
Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Voltage (Vdc)	Result(Hz)	Result (ppm)	Limit (ppm)	Verdict
n78(3550-3700)	30	70	641666	90@45	DFT_BPSK	-30	-26.03	-0.01	Within authorized band for 5G NR n78	PASS
n78(3550-3700)	30	70	641666	90@45	DFT_BPSK	-20	-24.24	-0.01		PASS
n78(3550-3700)	30	70	641666	90@45	DFT_BPSK	-10	-24.97	-0.01		PASS
n78(3550-3700)	30	70	641666	90@45	DFT_BPSK	0	-23.49	-0.01		PASS
n78(3550-3700)	30	70	641666	90@45	DFT_BPSK	10	-22.73	-0.01		PASS
n78(3550-3700)	30	70	641666	90@45	DFT_BPSK	20	-23.25	-0.01		PASS
n78(3550-3700)	30	70	641666	90@45	DFT_BPSK	30	-28.6	-0.01		PASS
n78(3550-3700)	30	70	641666	90@45	DFT_BPSK	40	-26.63	-0.01		PASS
n78(3550-3700)	30	70	641666	90@45	DFT_BPSK	50	-22.23	-0.01		PASS
n78(3550-3700)	30	70	641666	90@45	DFT_QPSK	-30	-24.38	-0.01		PASS
n78(3550-3700)	30	70	641666	90@45	DFT_QPSK	-20	-26.58	-0.01		PASS
n78(3550-3700)	30	70	641666	90@45	DFT_QPSK	-10	-26.2	-0.01		PASS
n78(3550-3700)	30	70	641666	90@45	DFT_QPSK	0	-23.67	-0.01		PASS
n78(3550-3700)	30	70	641666	90@45	DFT_QPSK	10	-27.15	-0.01		PASS
n78(3550-3700)	30	70	641666	90@45	DFT_QPSK	20	-23.18	-0.01		PASS
n78(3550-3700)	30	70	641666	90@45	DFT_QPSK	30	-25.8	-0.01		PASS
n78(3550-3700)	30	70	641666	90@45	DFT_QPSK	40	-24.46	-0.01	PASS	
n78(3550-3700)	30	70	641666	90@45	DFT_QPSK	50	-26.97	-0.01	PASS	

Note: Only the worst case shown in the report.

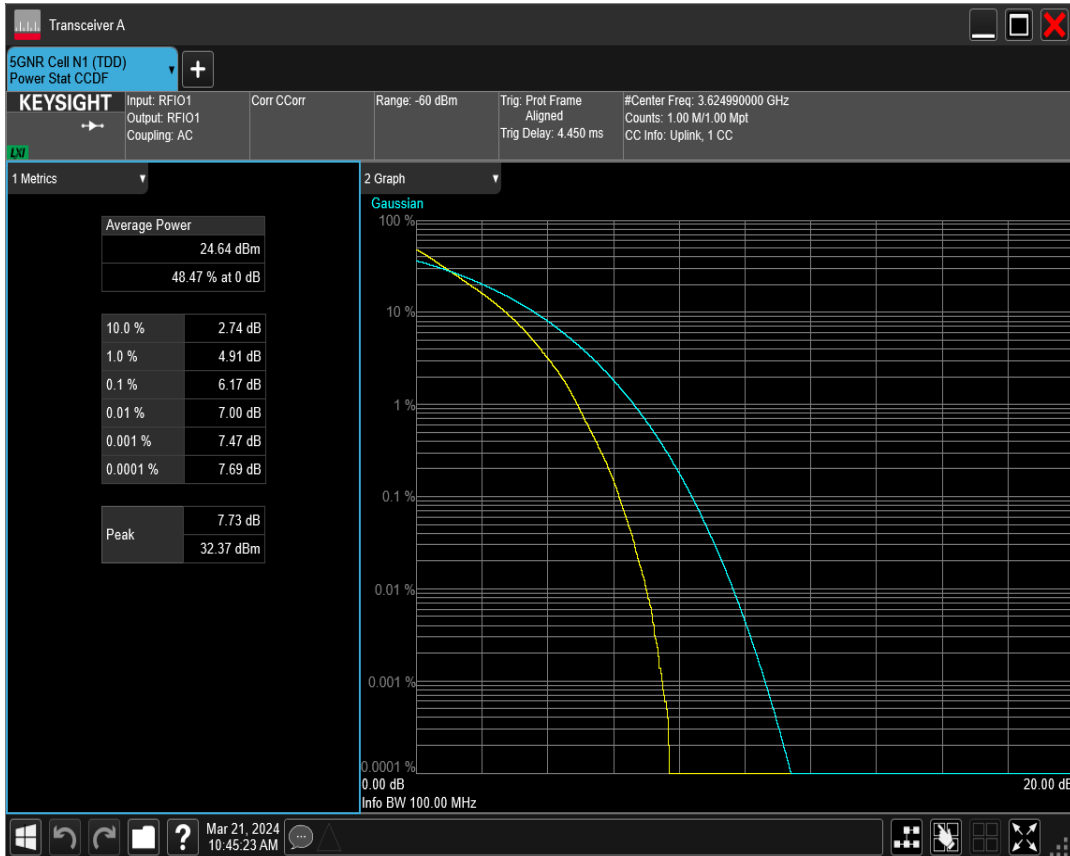
3 Peak-to-Average Ratio for NR FR1

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Result (dB)	high Limit (dB)	Verdict
n78(3550-3700)	30	70	641666	180@0	DFT_BPSK	5.01	13	PASS
n78(3550-3700)	30	70	641666	180@0	DFT_QPSK	6.17	13	PASS
n78(3550-3700)	30	70	641666	180@0	DFT_QAM16	6.86	13	PASS
n78(3550-3700)	30	70	641666	180@0	DFT_QAM64	6.99	13	PASS
n78(3550-3700)	30	70	641666	180@0	DFT_QAM256	7.12	13	PASS

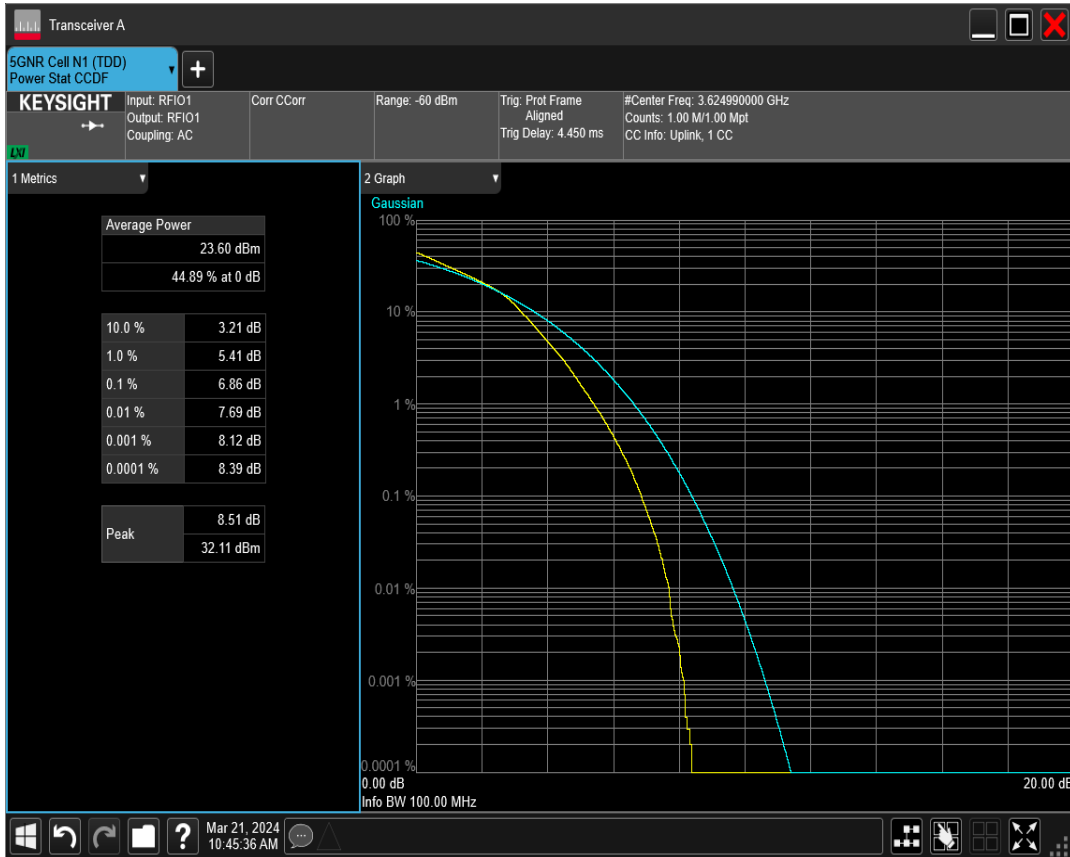
n78(3550-3700) SCS=30kHz DFT_BPSK BW=70MHz Channel=641666 RB=180@0



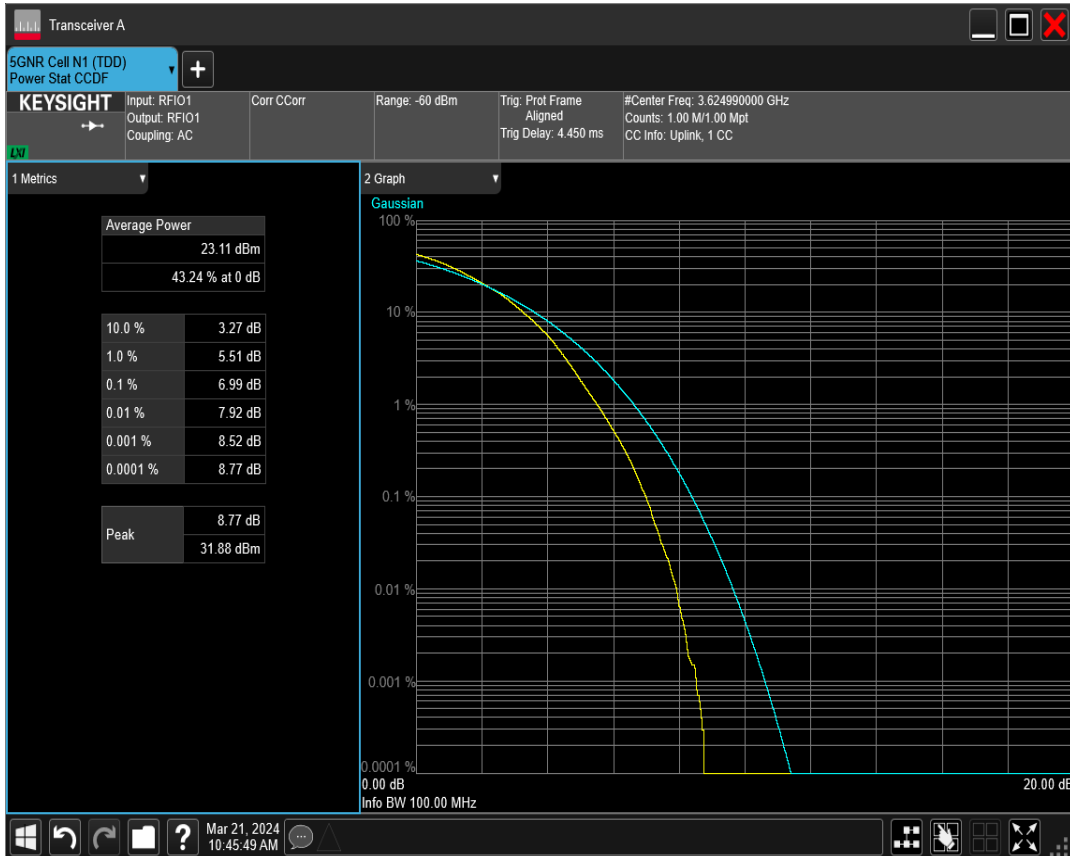
n78(3550-3700) SCS=30kHz DFT_QPSK BW=70MHz Channel=641666 RB=180@0



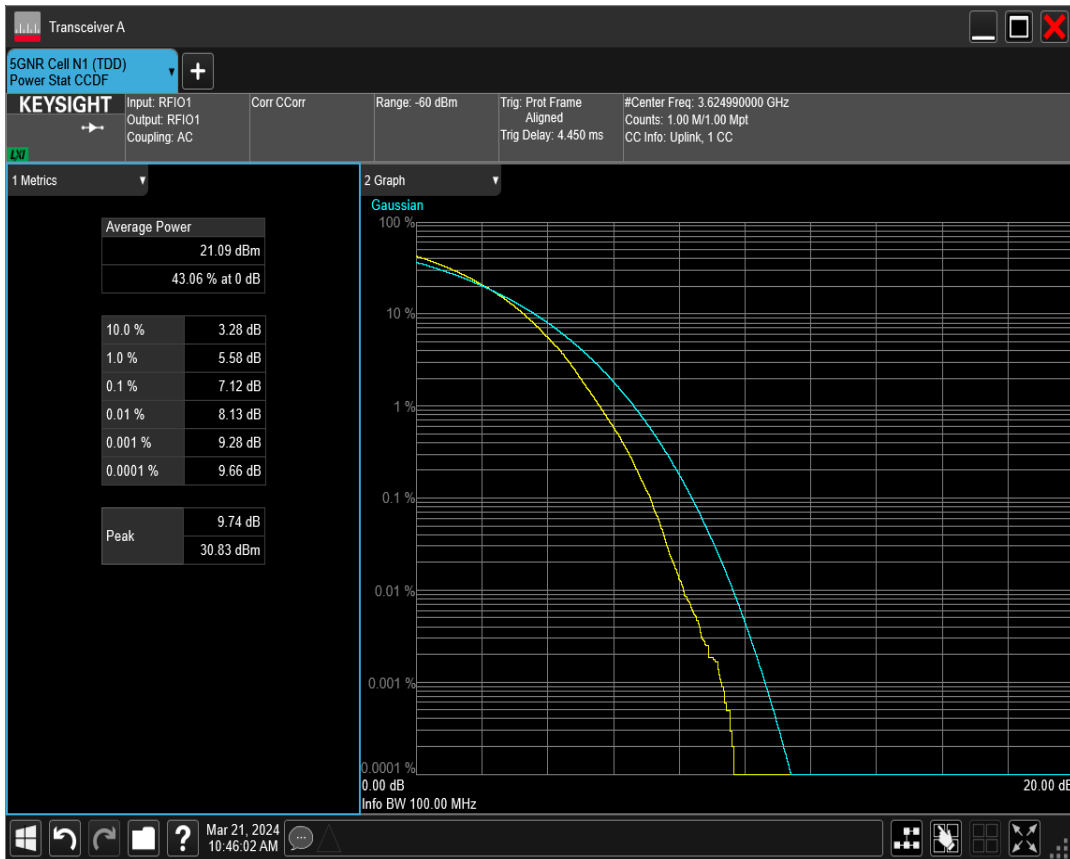
n78(3550-3700) SCS=30kHz DFT_QAM16 BW=70MHz Channel=641666 RB=180@0



n78(3550-3700) SCS=30kHz DFT_QAM64 BW=70MHz Channel=641666 RB=180@0



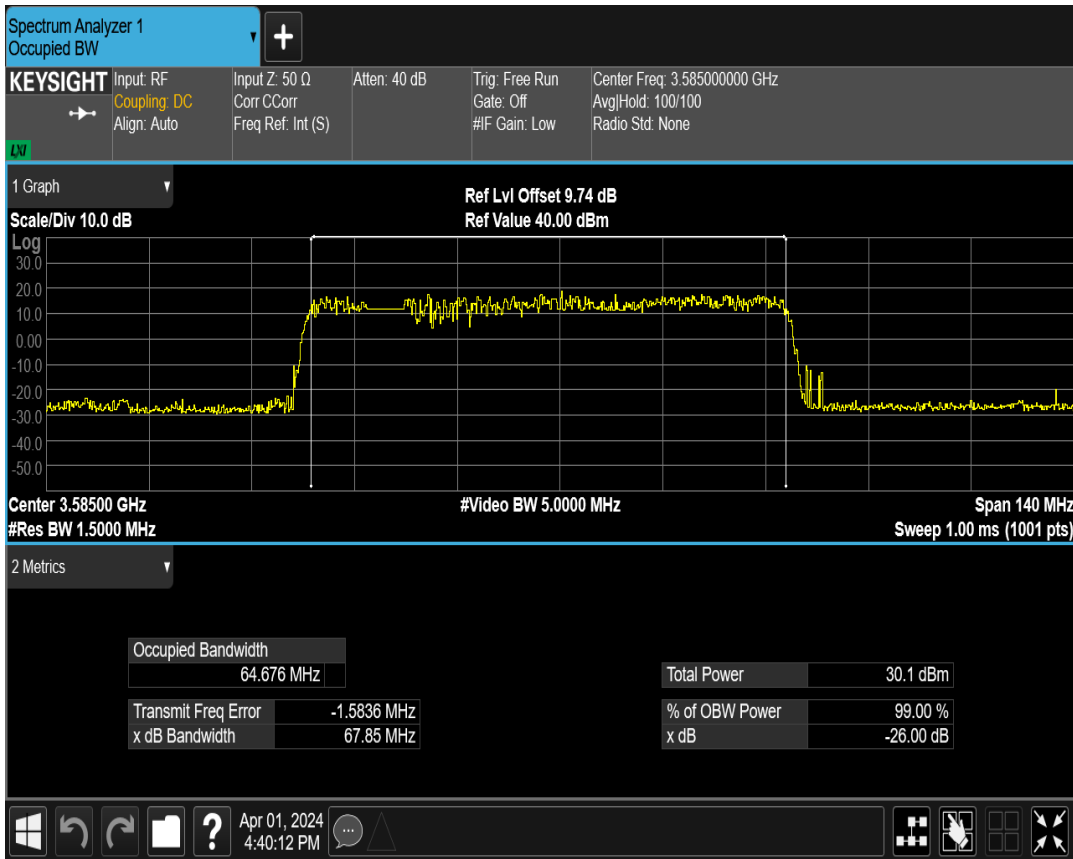
n78(3550-3700) SCS=30kHz DFT_QAM256 BW=70MHz Channel=641666 RB=180@0



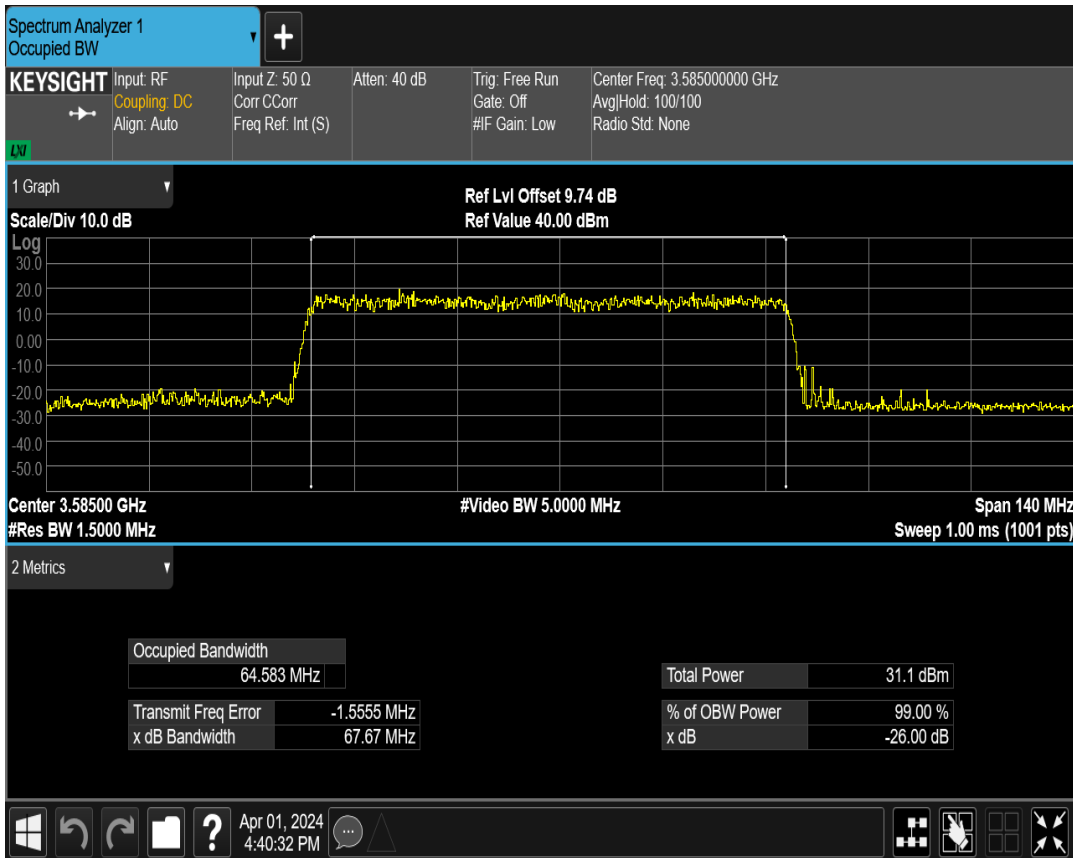
4 Occupied bandwidth for NR FR1

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
n78(3550-3700)	30	70	639000	180@0	DFT_BPSK	64.676	67.850	PASS
n78(3550-3700)	30	70	639000	180@0	DFT_QPSK	64.583	67.668	PASS
n78(3550-3700)	30	70	639000	180@0	DFT_QAM16	64.488	67.698	PASS
n78(3550-3700)	30	70	639000	180@0	DFT_QAM64	64.305	68.062	PASS
n78(3550-3700)	30	70	639000	180@0	DFT_QAM256	64.380	67.640	PASS
n78(3550-3700)	30	70	639000	189@0	CP_QPSK	67.393	71.038	PASS
n78(3550-3700)	30	70	641666	180@0	DFT_BPSK	64.506	67.600	PASS
n78(3550-3700)	30	70	641666	180@0	DFT_QPSK	64.286	68.208	PASS
n78(3550-3700)	30	70	641666	180@0	DFT_QAM16	64.486	68.650	PASS
n78(3550-3700)	30	70	641666	180@0	DFT_QAM64	64.767	67.743	PASS
n78(3550-3700)	30	70	641666	180@0	DFT_QAM256	64.179	67.439	PASS
n78(3550-3700)	30	70	641666	189@0	CP_QPSK	67.336	70.775	PASS
n78(3550-3700)	30	70	644332	180@0	DFT_BPSK	64.374	68.513	PASS
n78(3550-3700)	30	70	644332	180@0	DFT_QPSK	64.634	68.105	PASS
n78(3550-3700)	30	70	644332	180@0	DFT_QAM16	64.430	67.743	PASS
n78(3550-3700)	30	70	644332	180@0	DFT_QAM64	64.211	68.009	PASS
n78(3550-3700)	30	70	644332	180@0	DFT_QAM256	64.423	67.804	PASS
n78(3550-3700)	30	70	644332	189@0	CP_QPSK	67.704	71.021	PASS

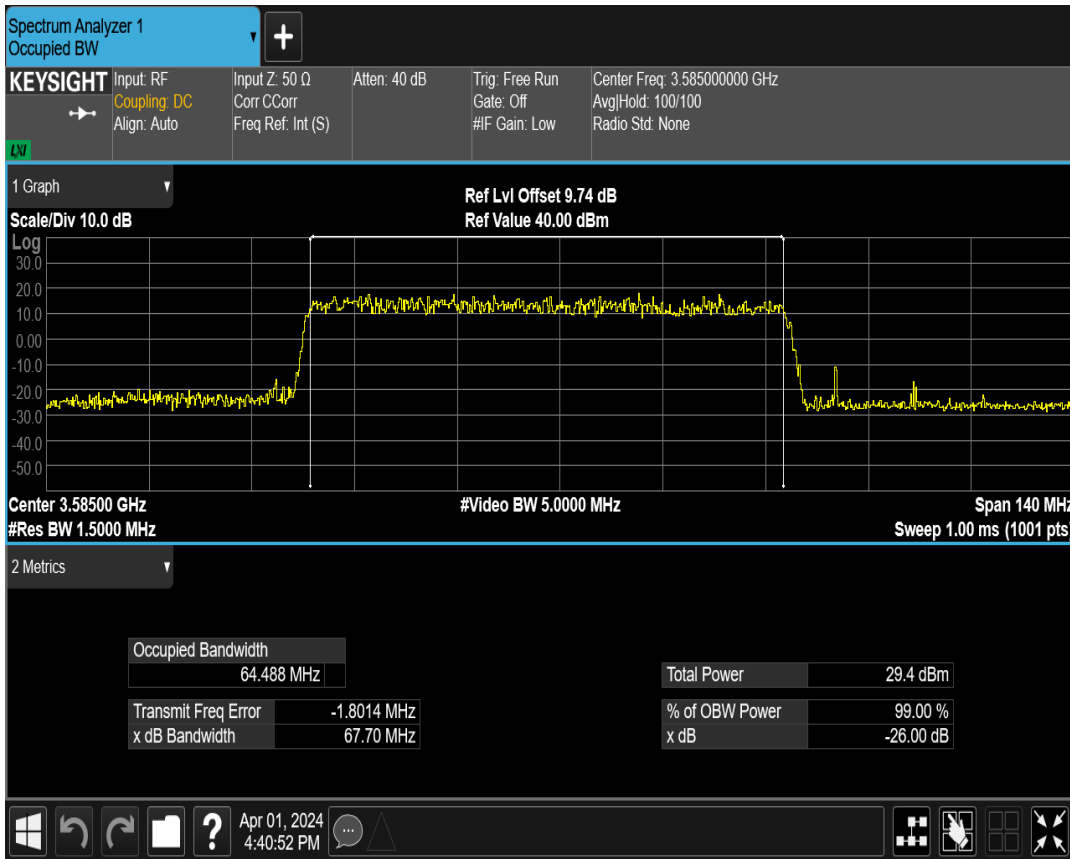
n78(3550-3700) SCS=30kHz DFT_BPSK BW=70MHz Channel=639000 RB=180@0



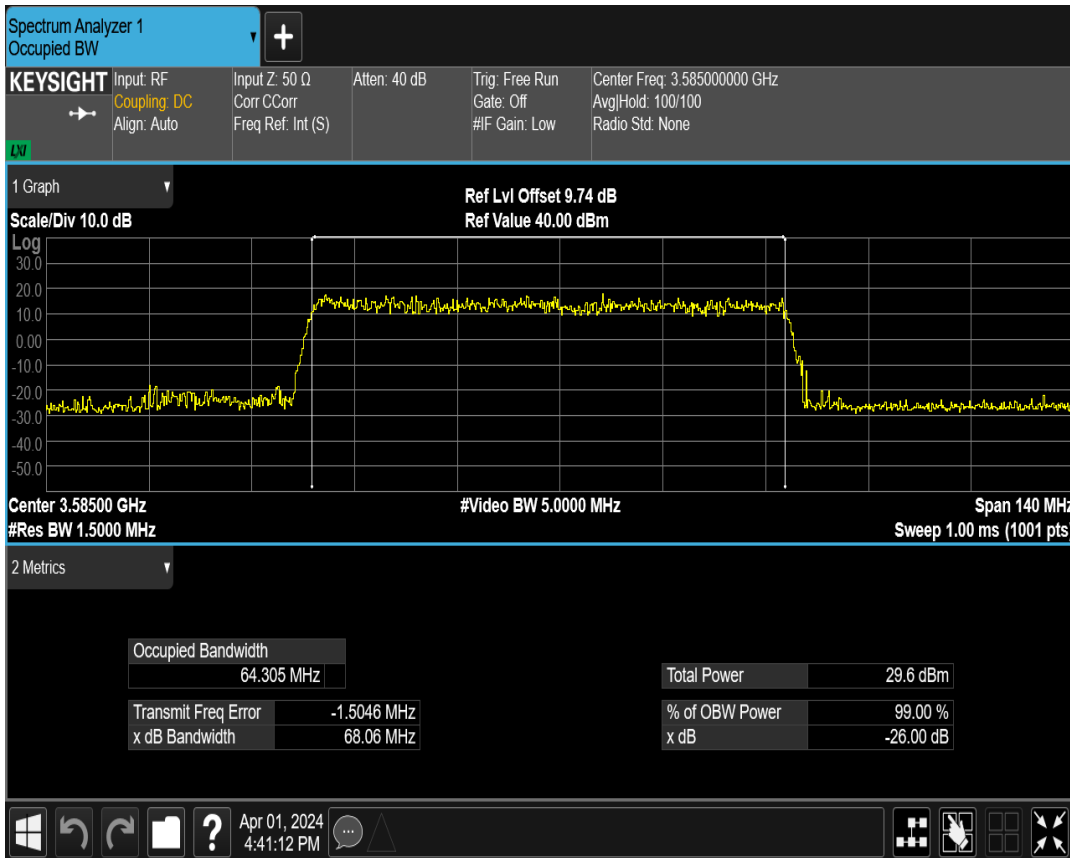
n78(3550-3700) SCS=30kHz DFT_QPSK BW=70MHz Channel=639000 RB=180@0



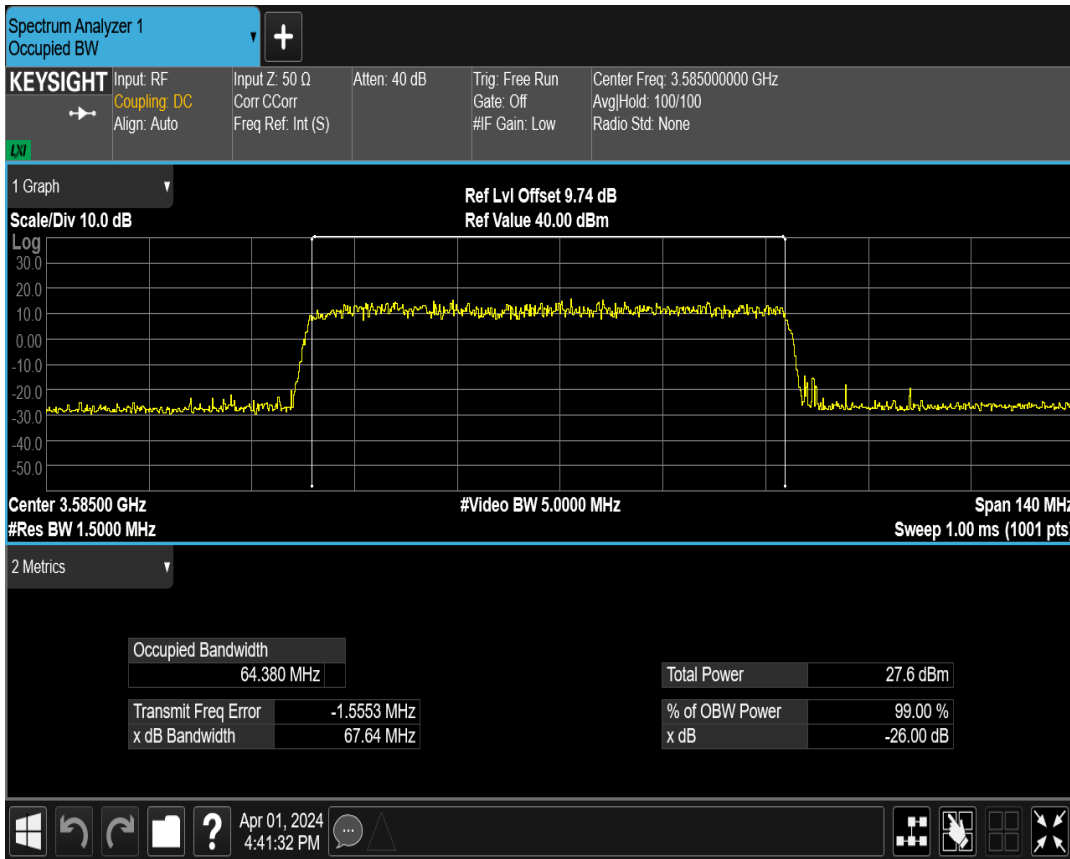
n78(3550-3700) SCS=30kHz DFT_QAM16 BW=70MHz Channel=639000 RB=180@0



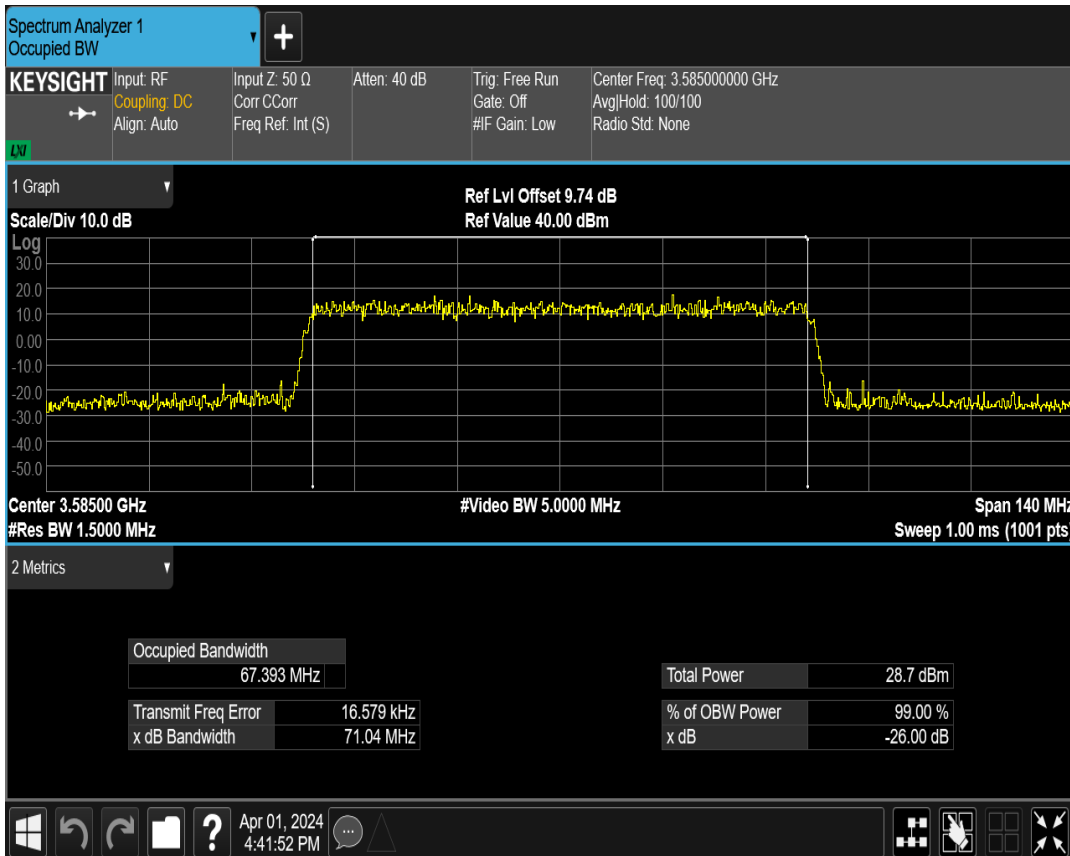
n78(3550-3700) SCS=30kHz DFT_QAM64 BW=70MHz Channel=639000 RB=180@0



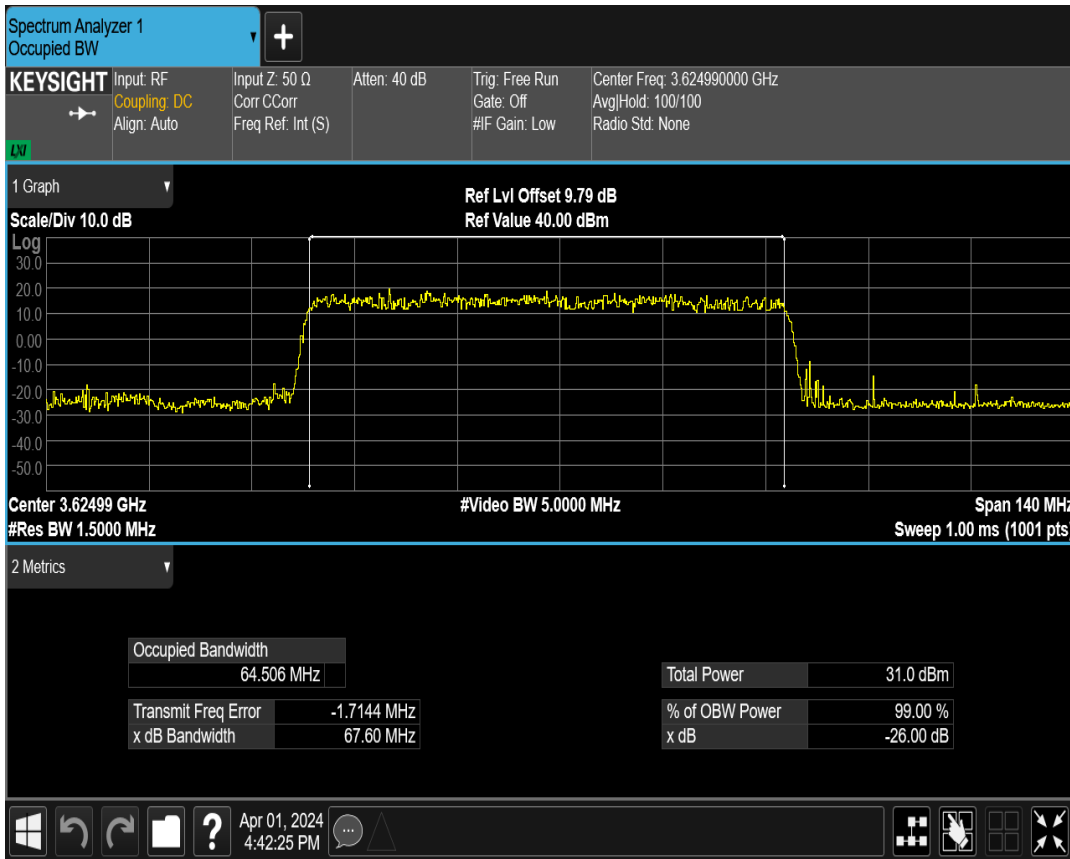
n78(3550-3700) SCS=30kHz DFT_QAM256 BW=70MHz Channel=639000 RB=180@0



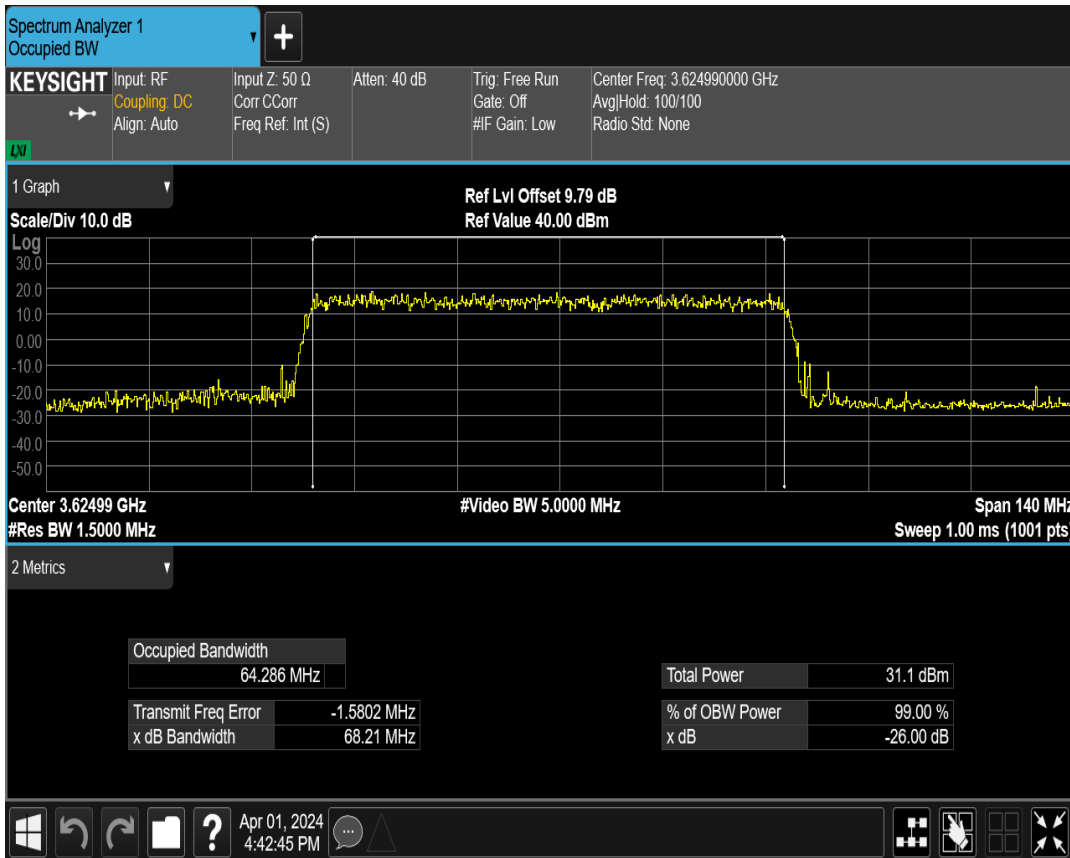
n78(3550-3700) SCS=30kHz CP_QPSK BW=70MHz Channel=639000 RB=189@0



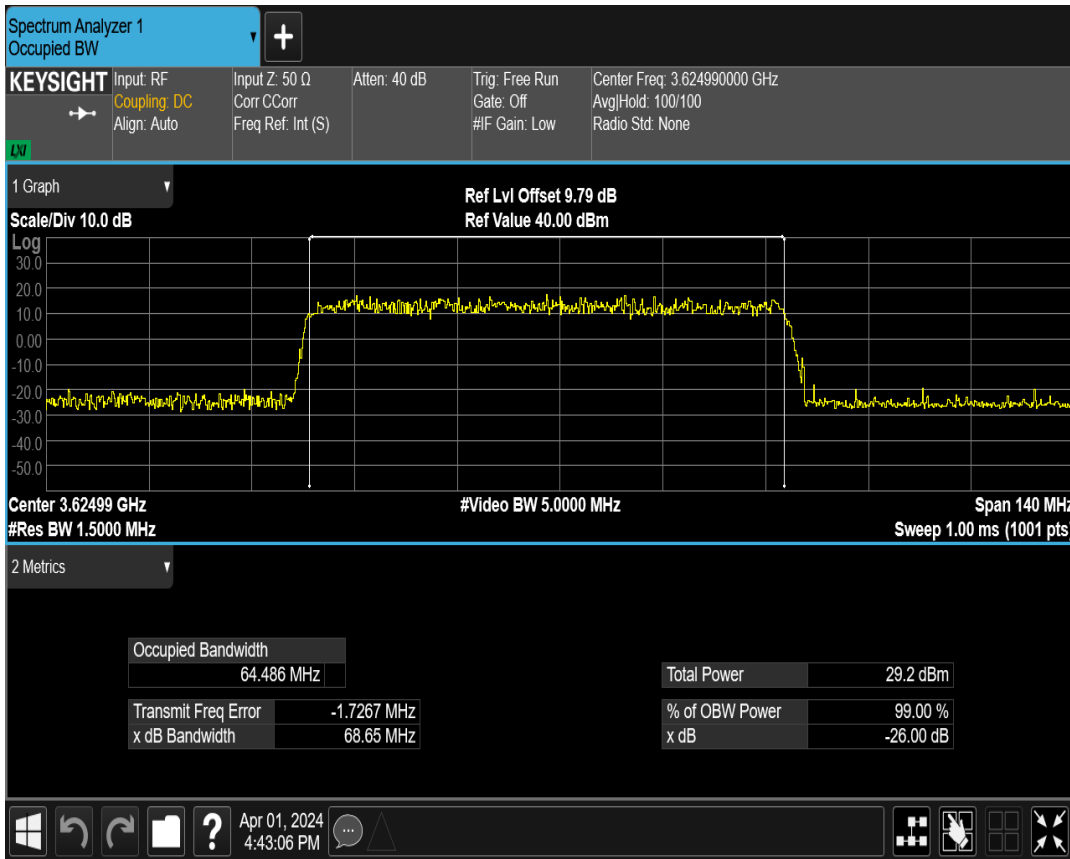
n78(3550-3700) SCS=30kHz DFT_BPSK BW=70MHz Channel=641666 RB=180@0



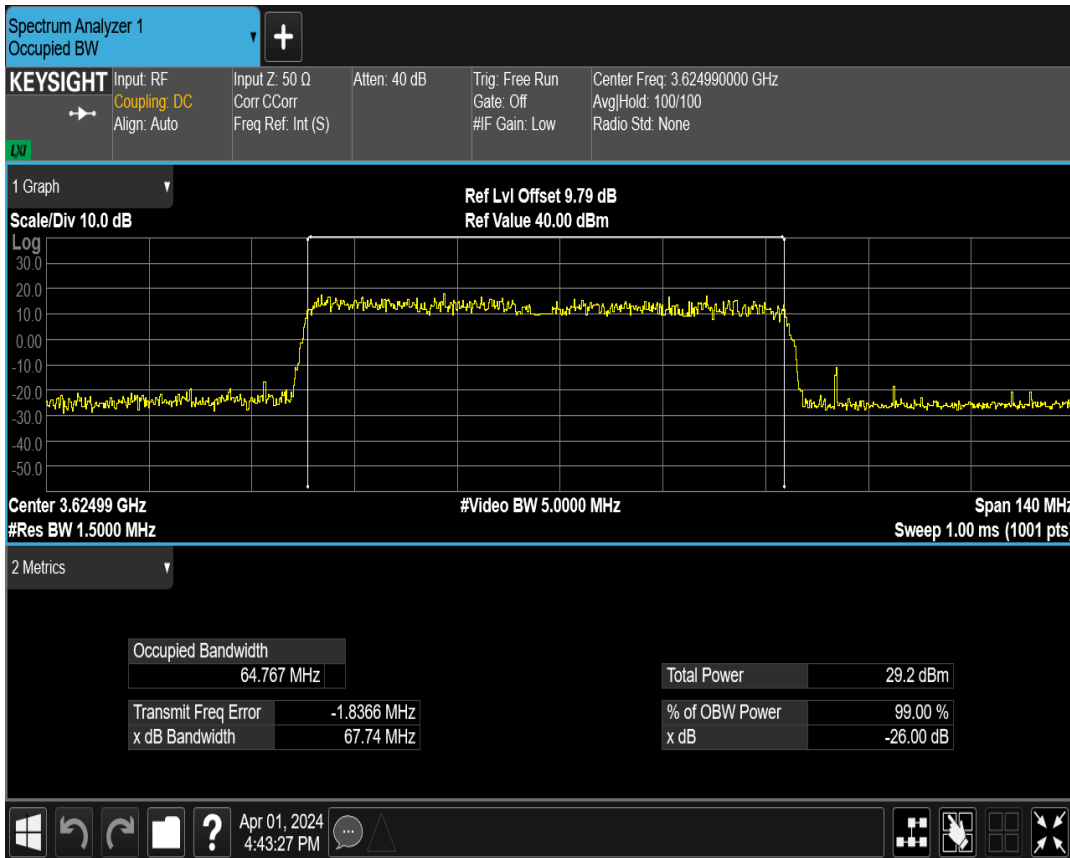
n78(3550-3700) SCS=30kHz DFT_QPSK BW=70MHz Channel=641666 RB=180@0



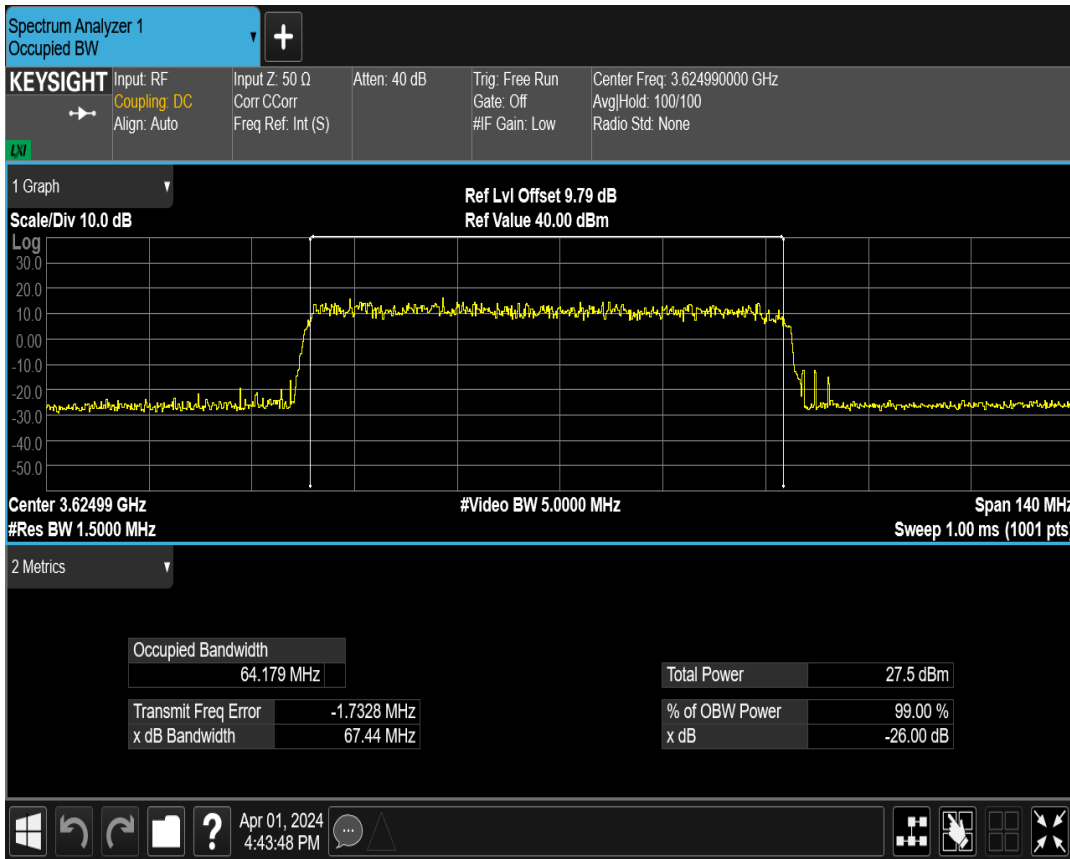
n78(3550-3700) SCS=30kHz DFT_QAM16 BW=70MHz Channel=641666 RB=180@0



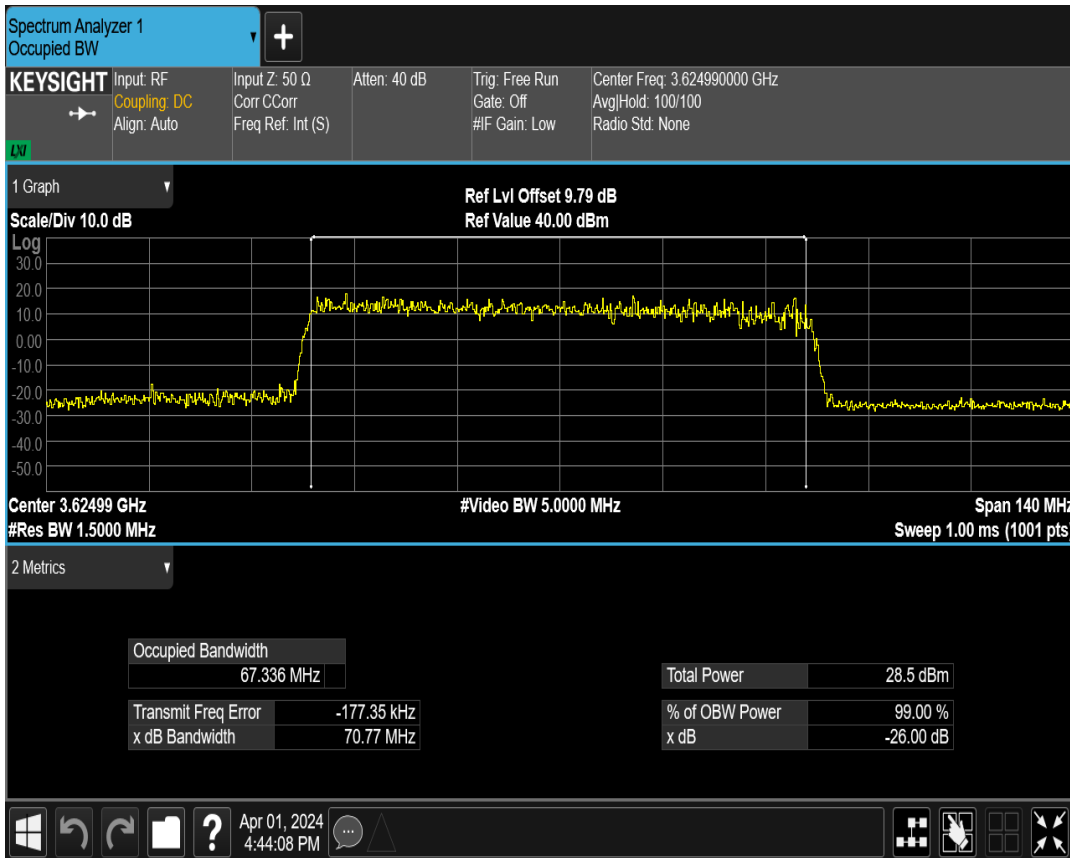
n78(3550-3700) SCS=30kHz DFT_QAM64 BW=70MHz Channel=641666 RB=180@0



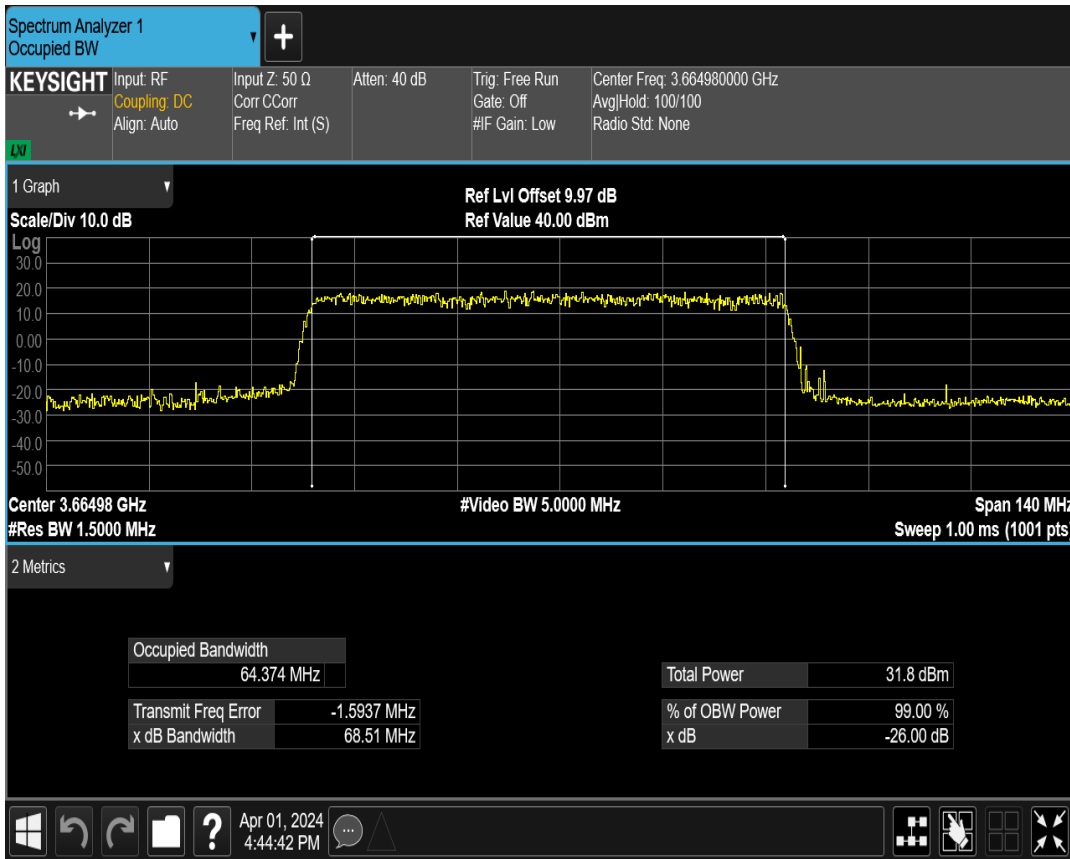
n78(3550-3700) SCS=30kHz DFT_QAM256 BW=70MHz Channel=641666 RB=180@0



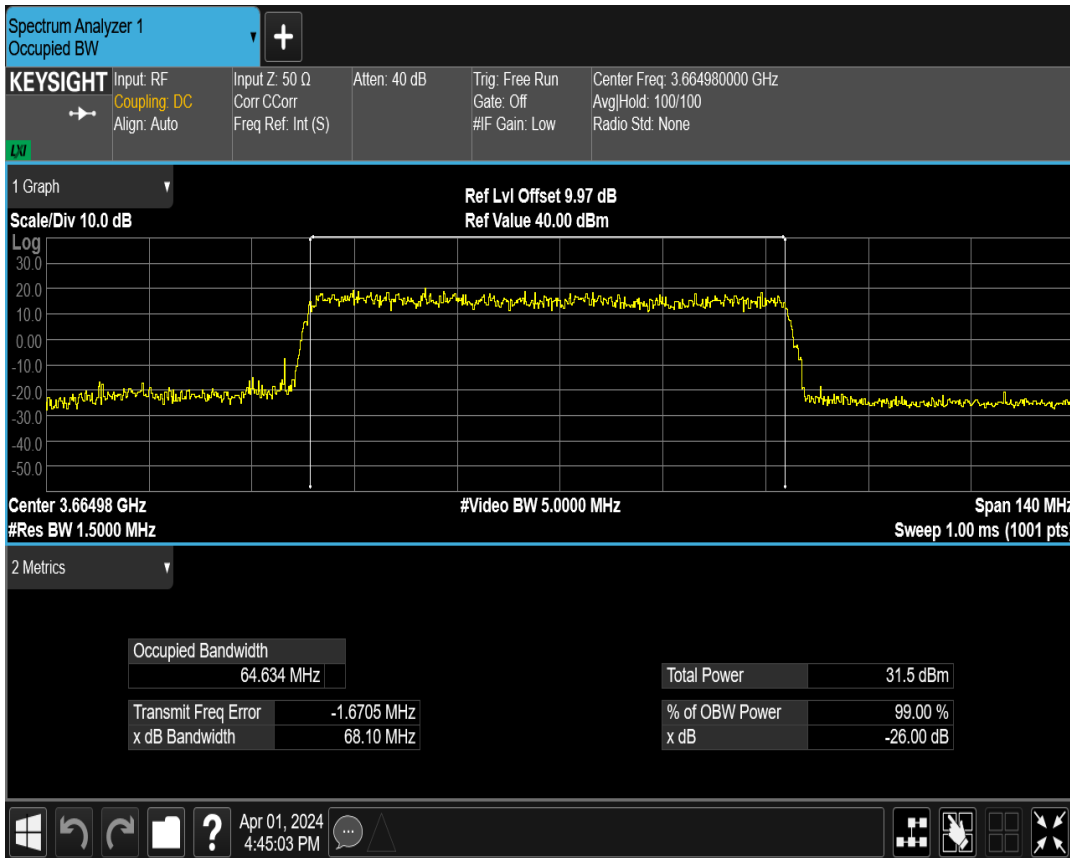
n78(3550-3700) SCS=30kHz CP_QPSK BW=70MHz Channel=641666 RB=189@0



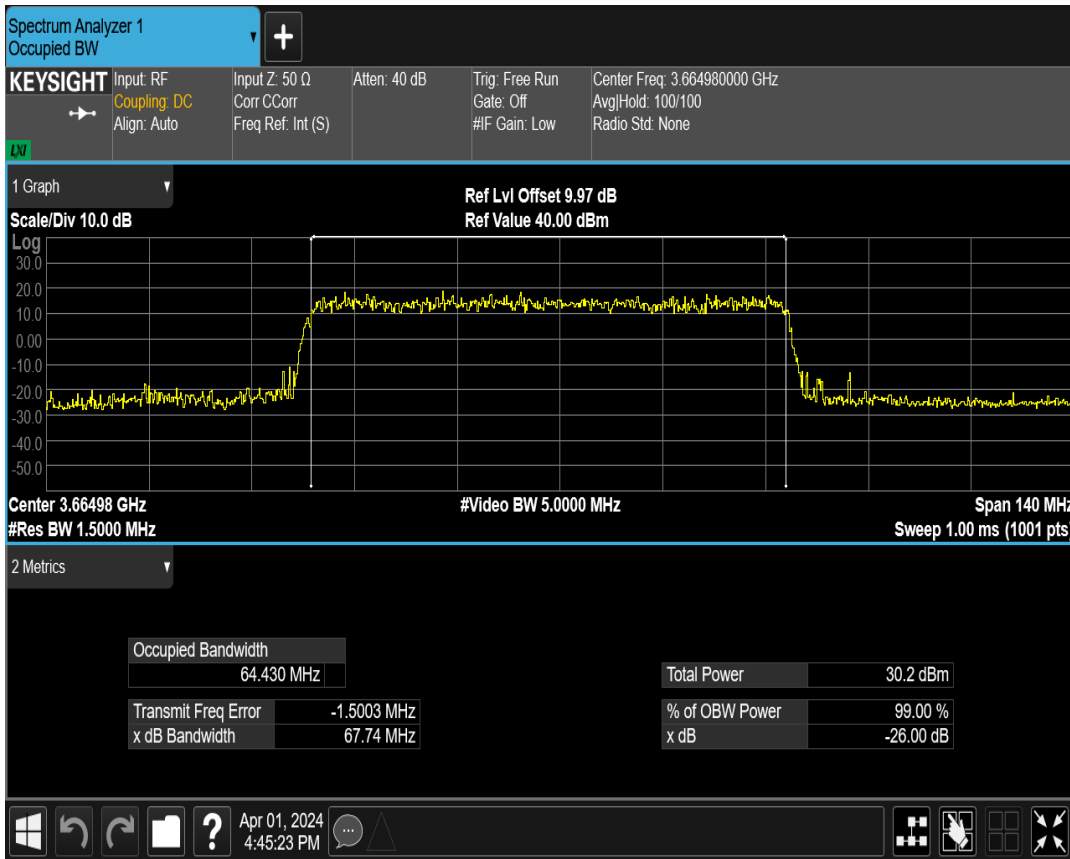
n78(3550-3700) SCS=30kHz DFT_BPSK BW=70MHz Channel=644332 RB=180@0



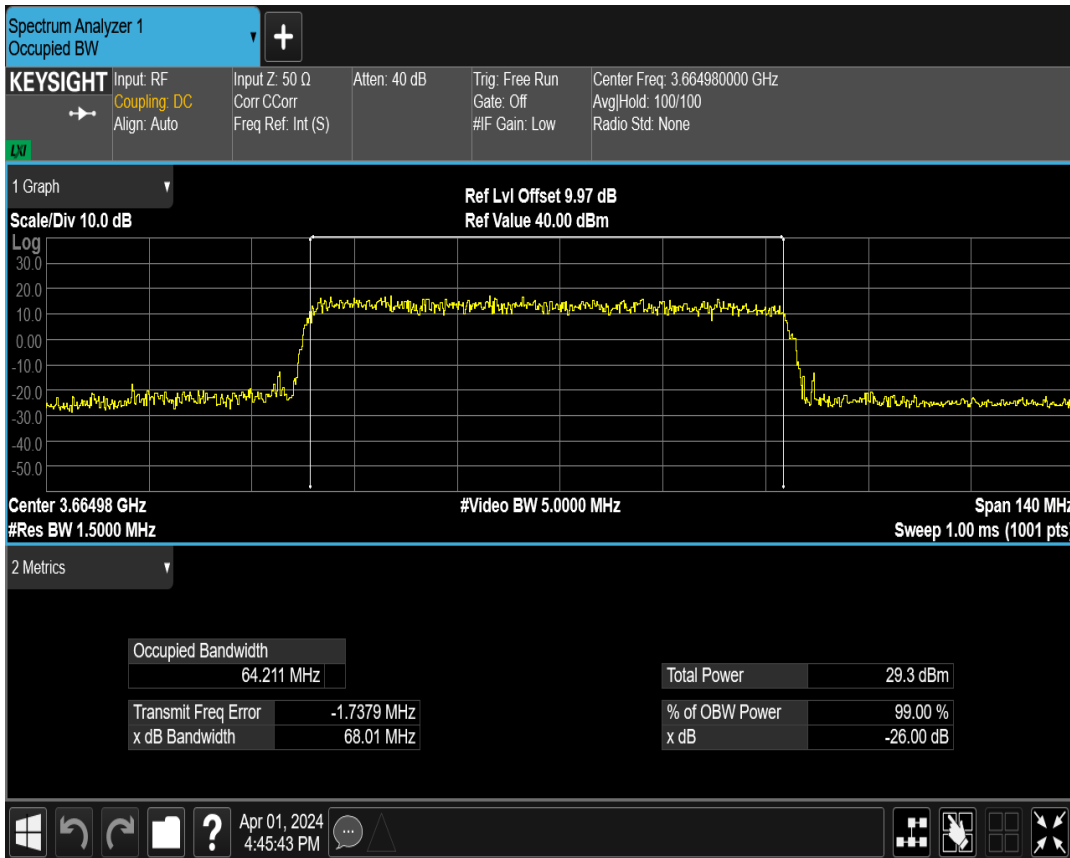
n78(3550-3700) SCS=30kHz DFT_QPSK BW=70MHz Channel=644332 RB=180@0



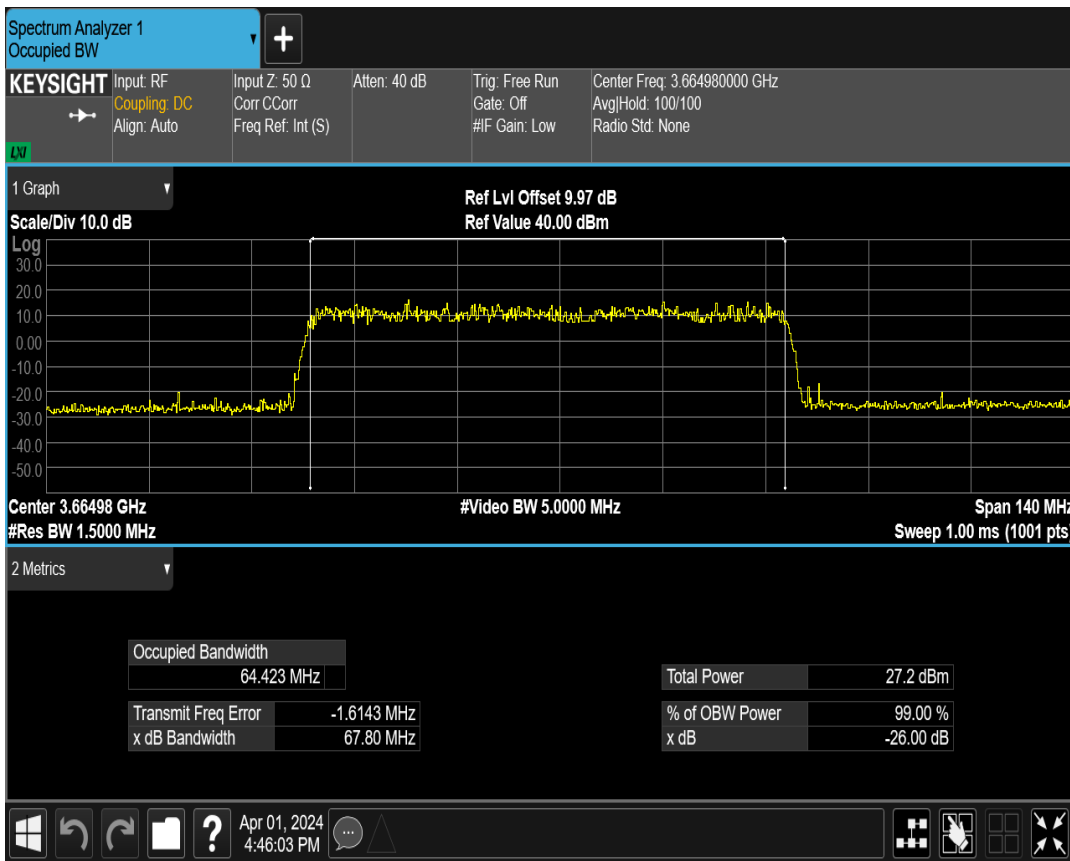
n78(3550-3700) SCS=30kHz DFT_QAM16 BW=70MHz Channel=644332 RB=180@0



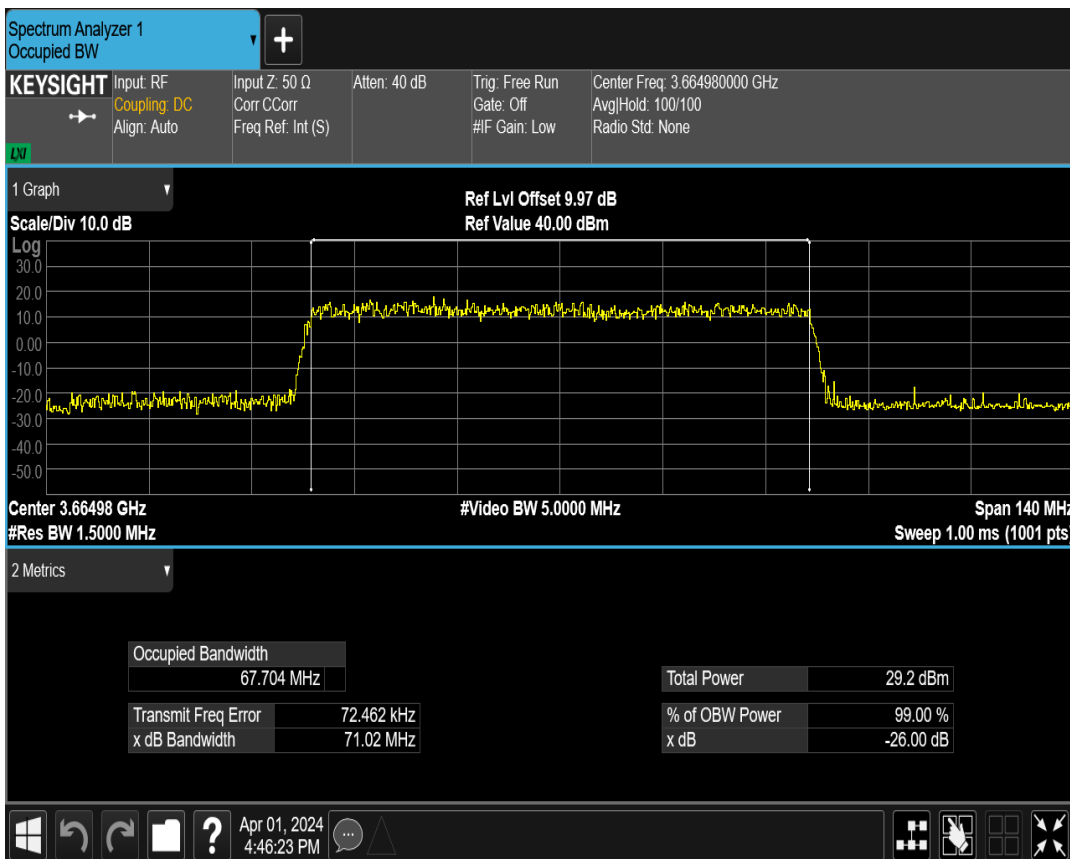
n78(3550-3700) SCS=30kHz DFT_QAM64 BW=70MHz Channel=644332 RB=180@0



n78(3550-3700) SCS=30kHz DFT_QAM256 BW=70MHz Channel=644332 RB=180@0



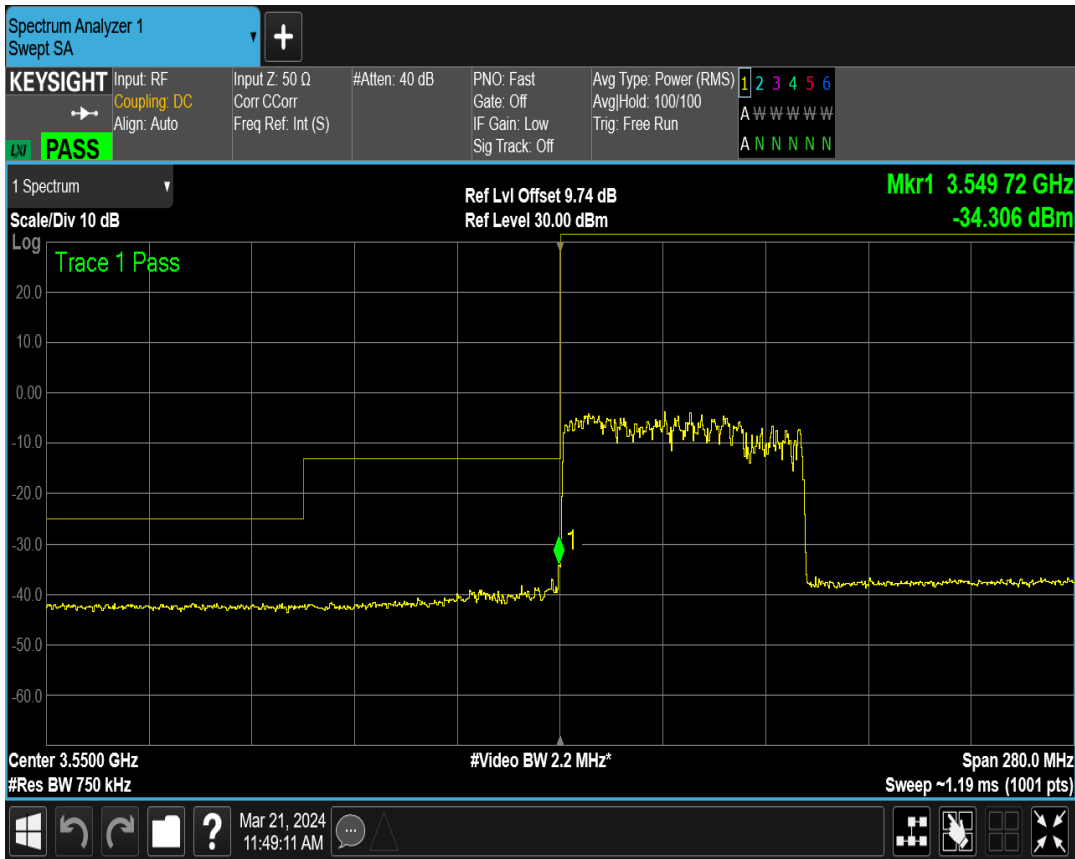
n78(3550-3700) SCS=30kHz CP_QPSK BW=70MHz Channel=644332 RB=189@0



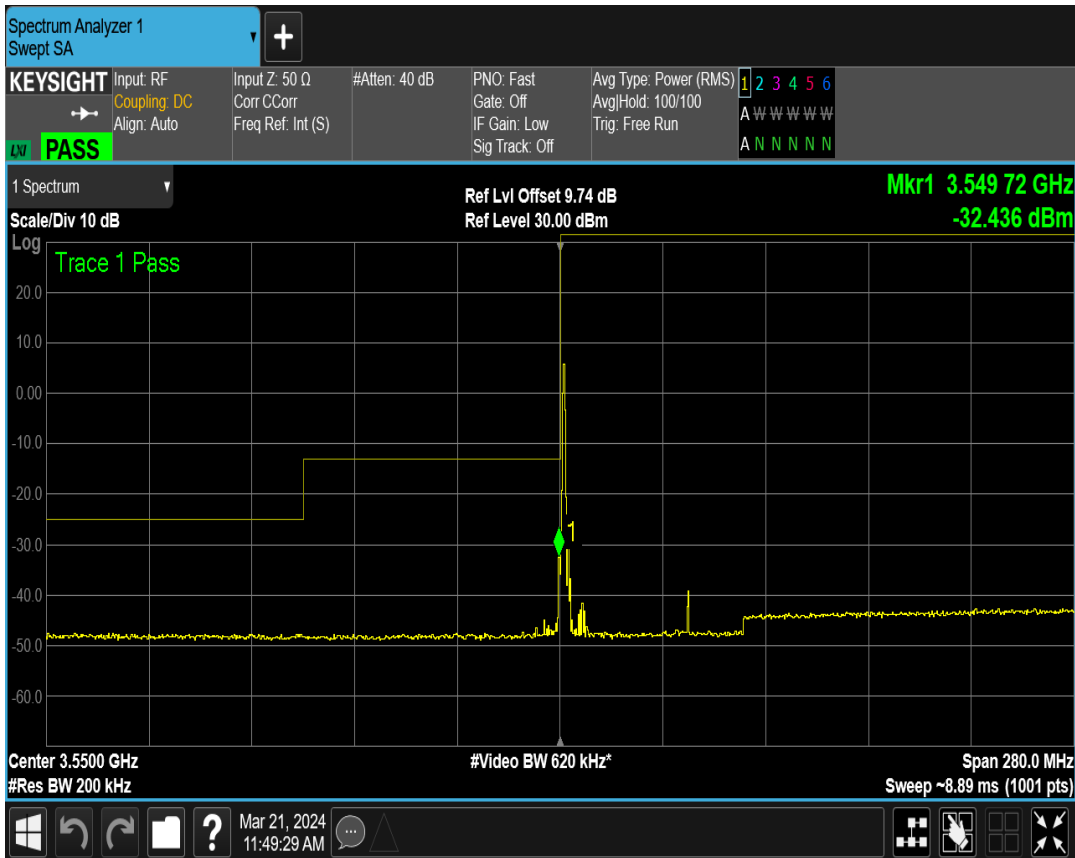
5 Band edge for NR FR1

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
n78(3550-3700)	30	70	639000	180@0	DFT_QPSK	3549.72	-34.31	-13	PASS
n78(3550-3700)	30	70	639000	1@0	DFT_QPSK	3549.72	-32.44	-13	PASS
n78(3550-3700)	30	70	644332	180@0	DFT_QPSK	3806.12	-35.50	-13	PASS
n78(3550-3700)	30	70	644332	1@188	DFT_QPSK	3700.00	-32.13	-13	PASS

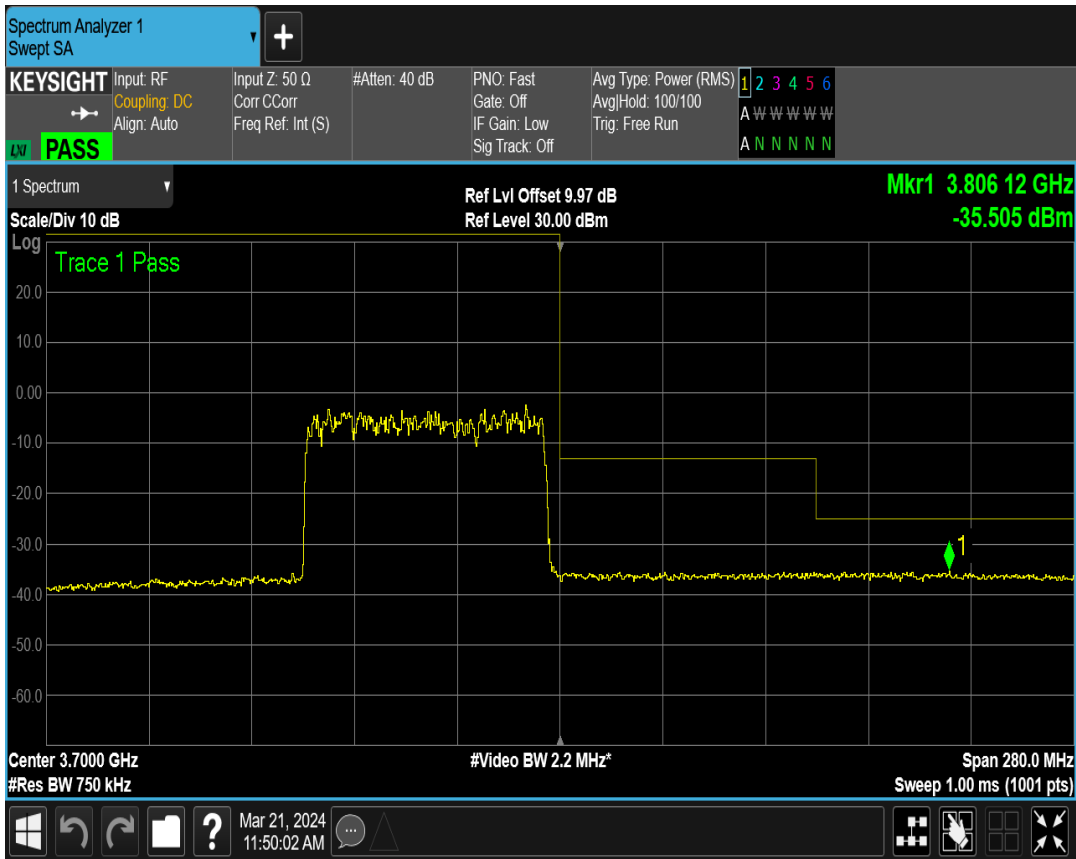
n78(3550-3700) SCS=30kHz DFT_QPSK BW=70MHz Channel=639000 RB=180@0



n78(3550-3700) SCS=30kHz DFT_QPSK BW=70MHz Channel=639000 RB=1@0



n78(3550-3700) SCS=30kHz DFT_QPSK BW=70MHz Channel=644332 RB=180@0



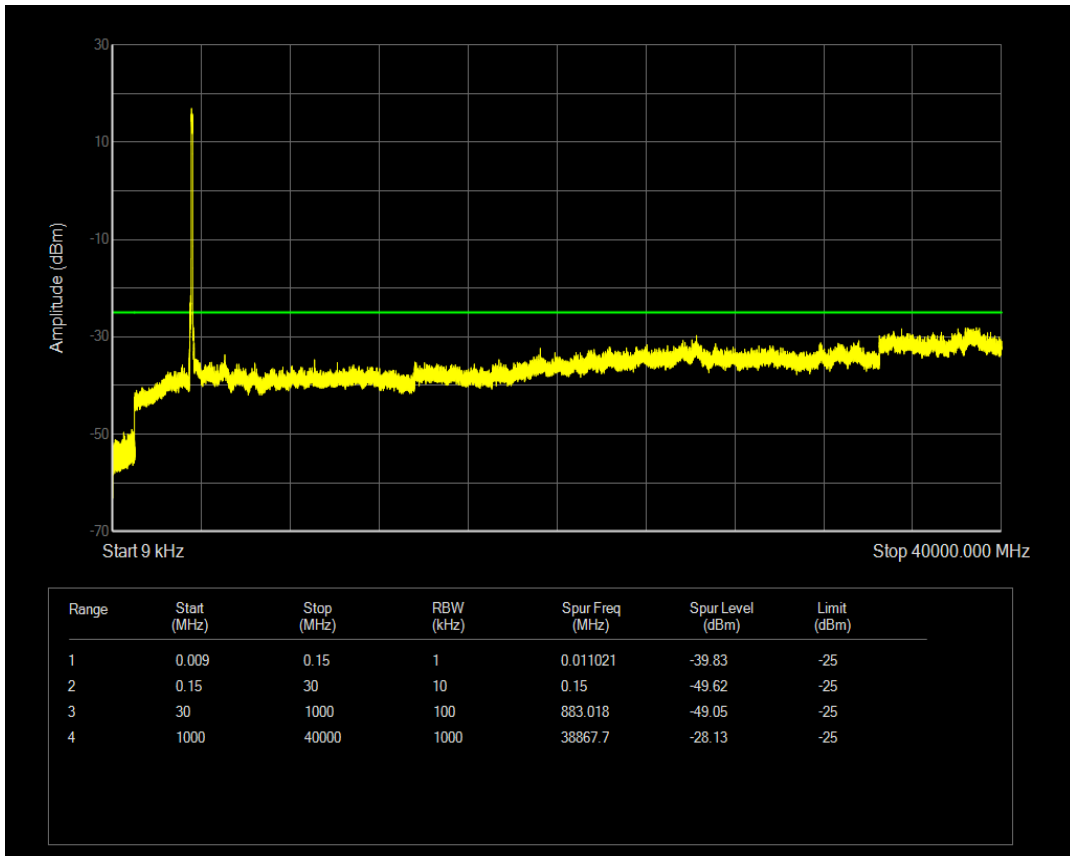
n78(3550-3700) SCS=30kHz DFT_QPSK BW=70MHz Channel=644332 RB=1@188



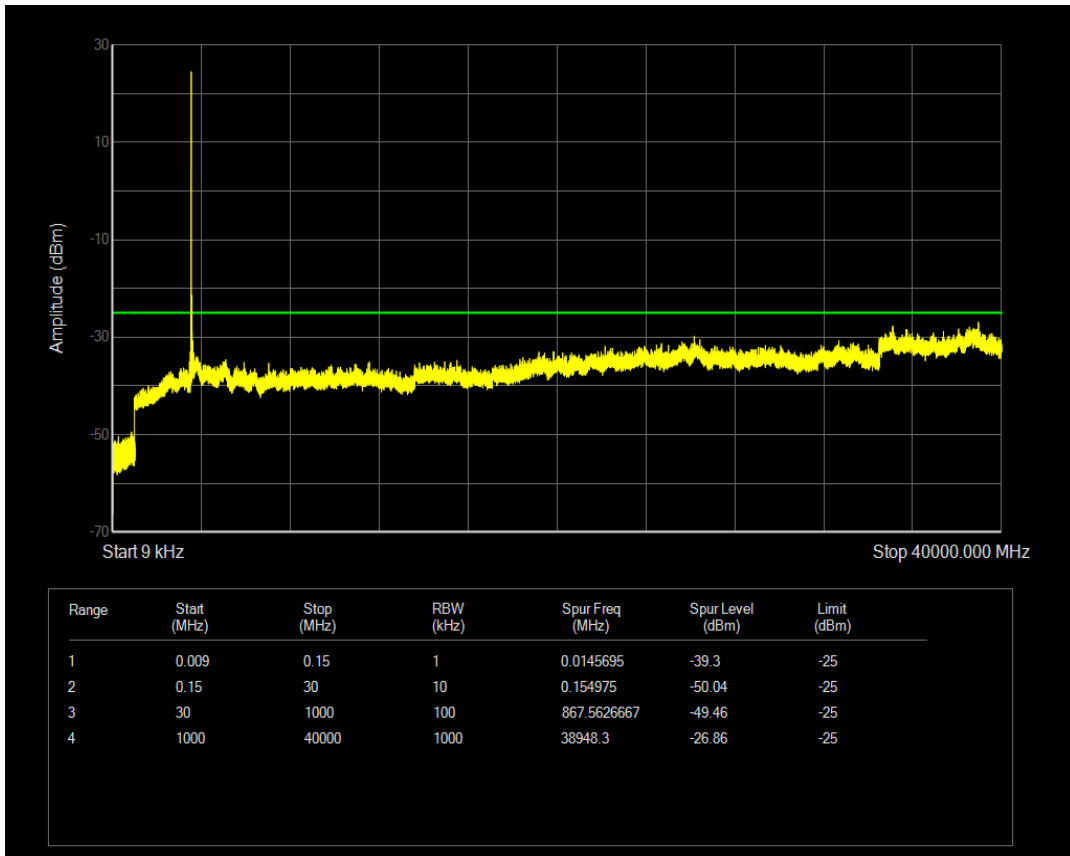
6 Out-of-band emissions for NR FR1

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
n78(3550-3700)	30	70	639000	180@0	DFT_QPSK	38867.70	-28.13	-25	PASS
n78(3550-3700)	30	70	639000	1@0	DFT_QPSK	38948.30	-26.86	-25	PASS
n78(3550-3700)	30	70	639000	1@188	DFT_QPSK	38858.60	-27.27	-25	PASS
n78(3550-3700)	30	70	641666	180@0	DFT_QPSK	38783.20	-27.72	-25	PASS
n78(3550-3700)	30	70	641666	1@0	DFT_QPSK	38541.40	-27.54	-25	PASS
n78(3550-3700)	30	70	641666	1@188	DFT_QPSK	35975.20	-28.02	-25	PASS
n78(3550-3700)	30	70	644332	180@0	DFT_QPSK	38871.60	-27.61	-25	PASS
n78(3550-3700)	30	70	644332	1@0	DFT_QPSK	38750.70	-26.60	-25	PASS
n78(3550-3700)	30	70	644332	1@188	DFT_QPSK	38607.70	-27.84	-25	PASS

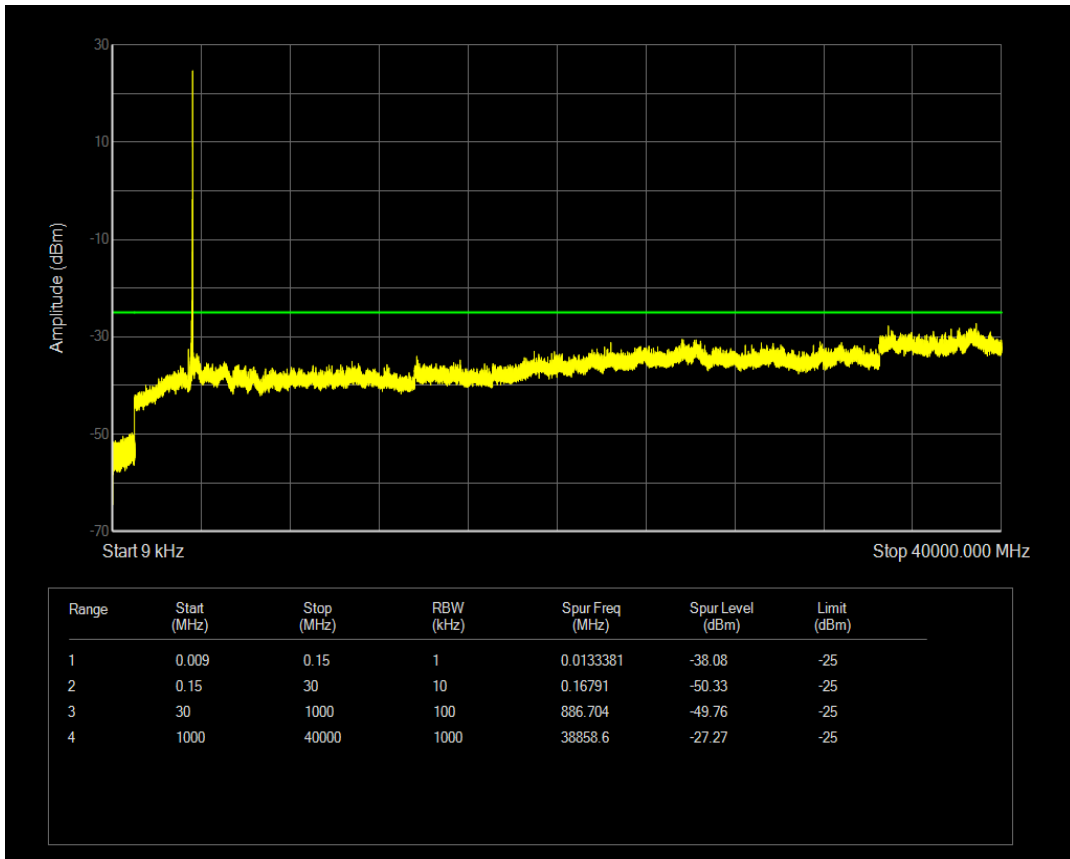
n78(3550-3700) SCS=30kHz DFT_QPSK BW=70MHz Channel=639000 RB=180@0



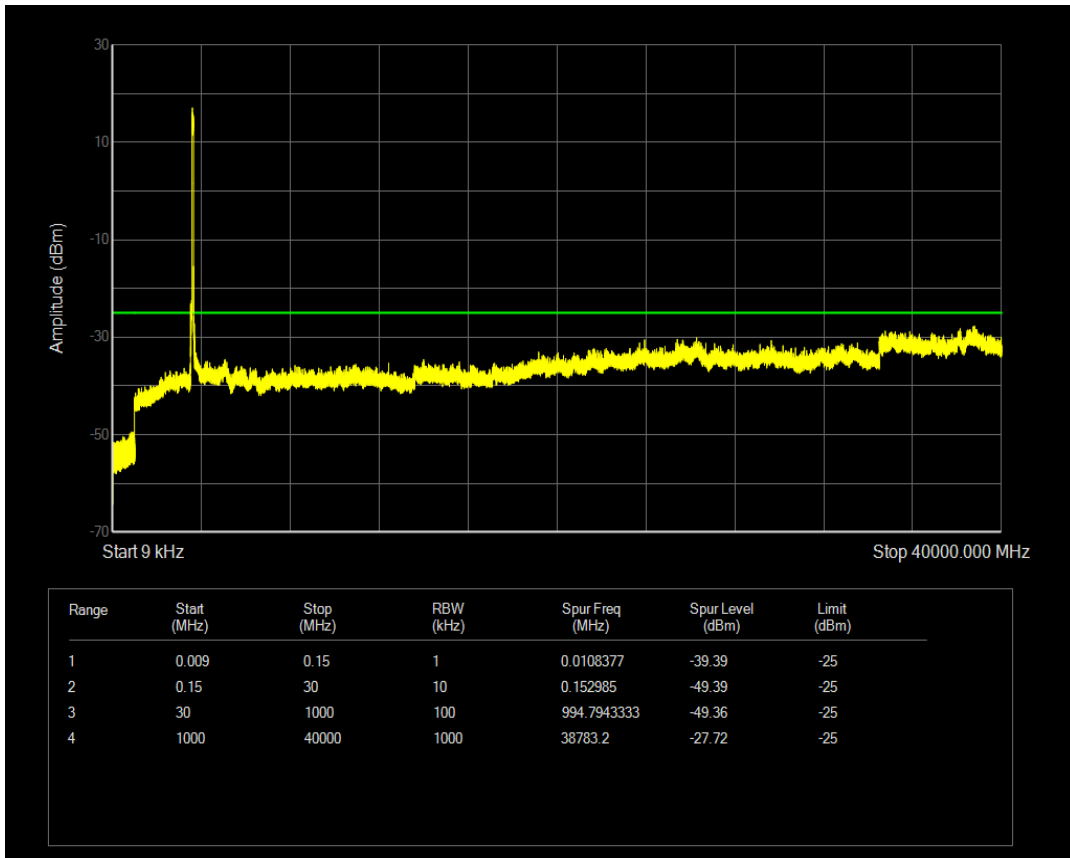
n78(3550-3700) SCS=30kHz DFT_QPSK BW=70MHz Channel=639000 RB=1@0



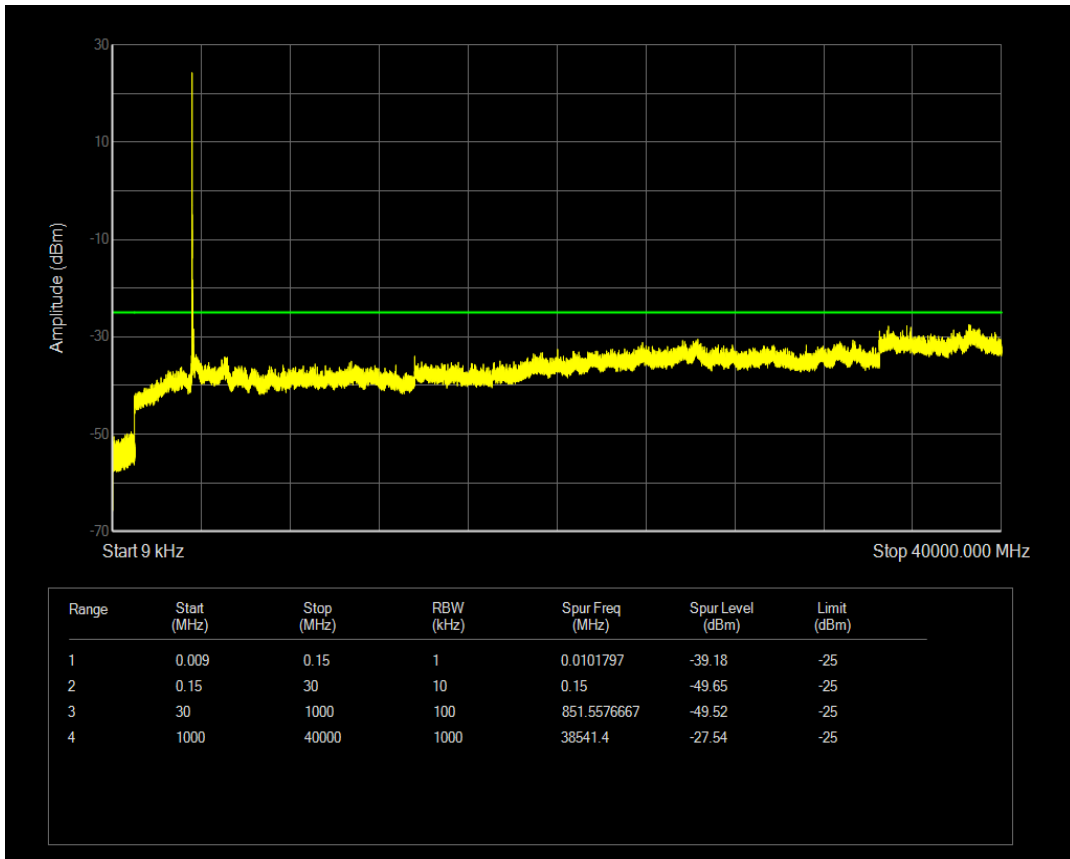
n78(3550-3700) SCS=30kHz DFT_QPSK BW=70MHz Channel=639000 RB=1 @188



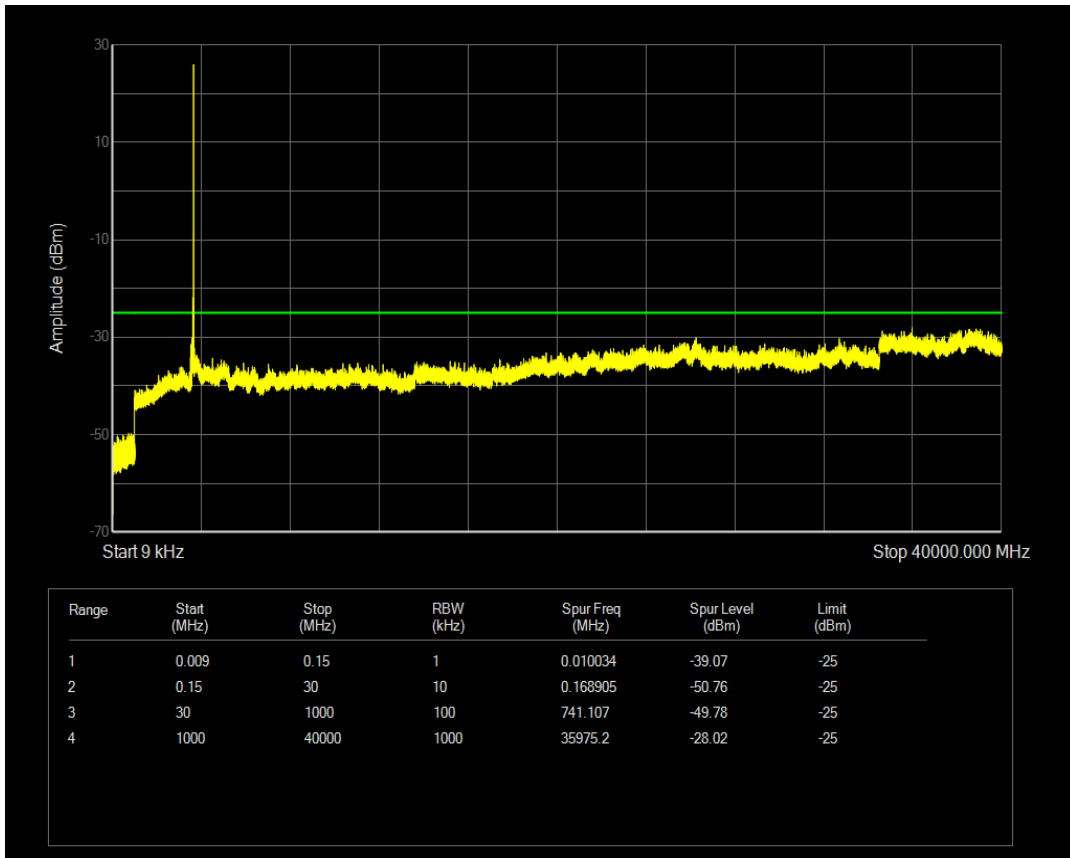
n78(3550-3700) SCS=30kHz DFT_QPSK BW=70MHz Channel=641666 RB=180 @0



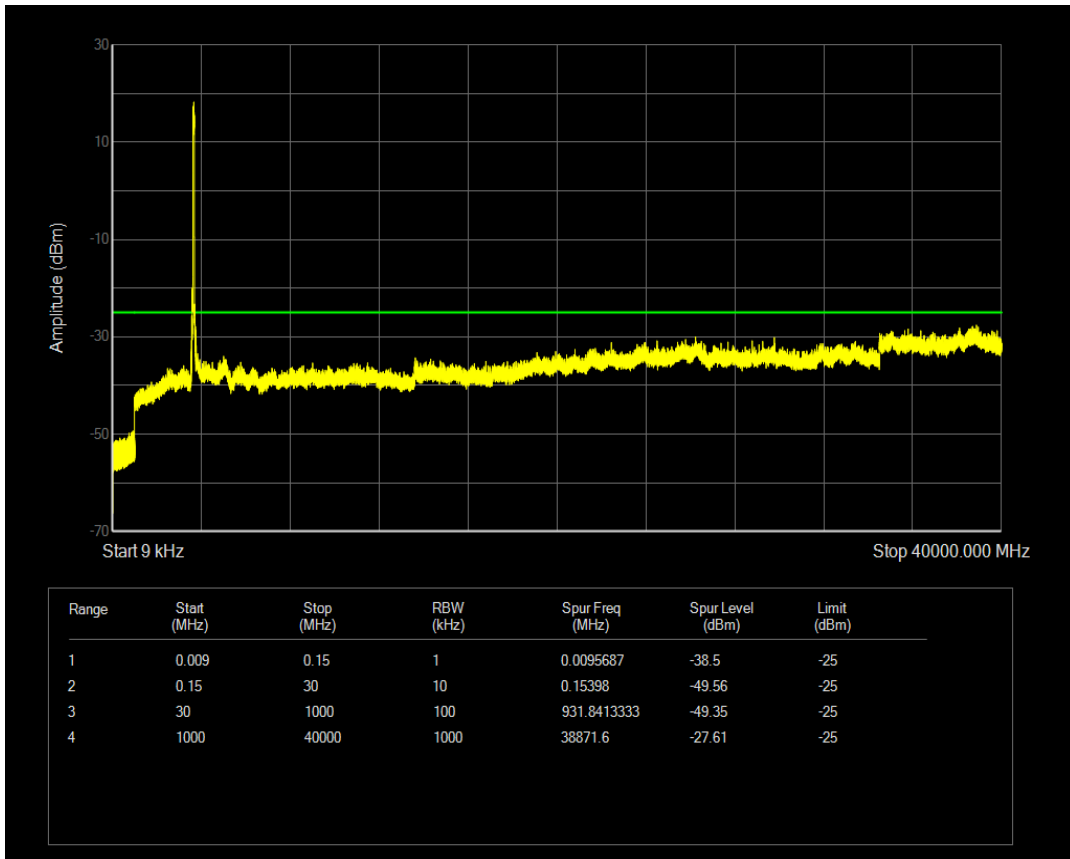
n78(3550-3700) SCS=30kHz DFT_QPSK BW=70MHz Channel=641666 RB=1 @0



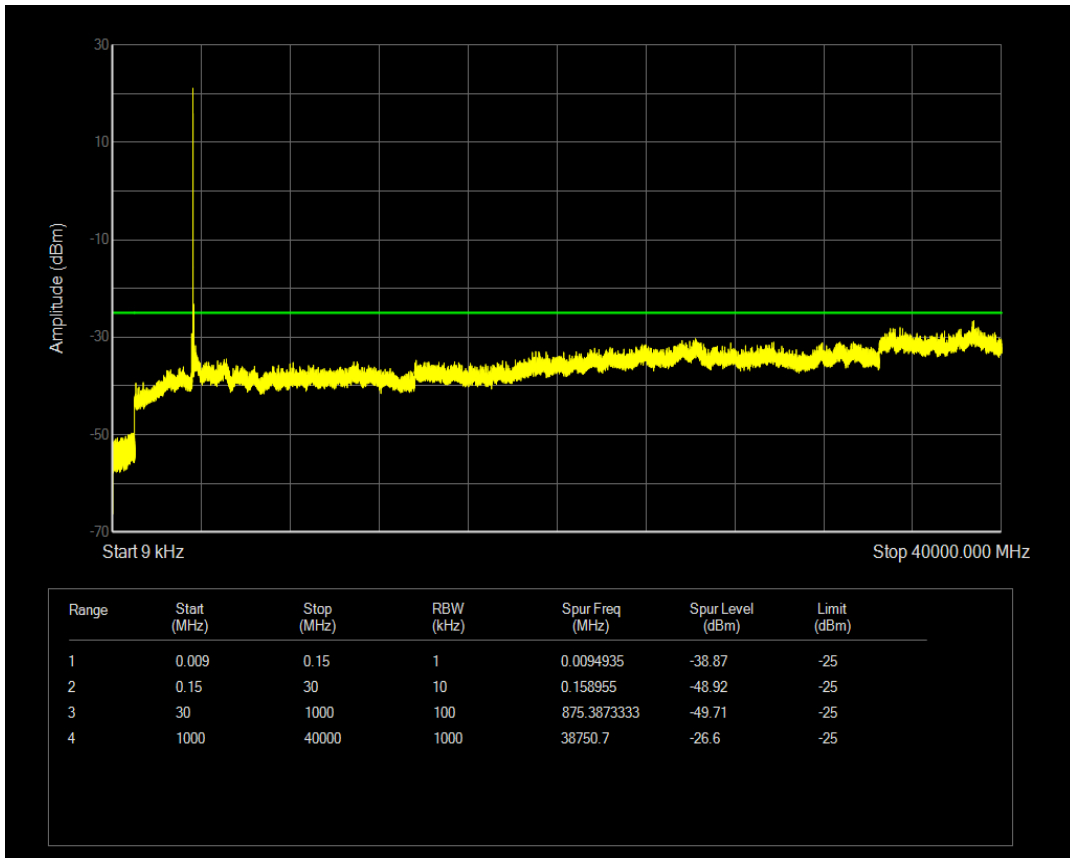
n78(3550-3700) SCS=30kHz DFT_QPSK BW=70MHz Channel=641666 RB=1 @188



n78(3550-3700) SCS=30kHz DFT_QPSK BW=70MHz Channel=644332 RB=180@0



n78(3550-3700) SCS=30kHz DFT_QPSK BW=70MHz Channel=644332 RB=1@0



n78(3550-3700) SCS=30kHz DFT_QPSK BW=70MHz Channel=644332 RB=1 @ 188

