

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(3550-3700)	30	70	639000	90@45	DFT_BPSK	25.47	-0.7	24.77	33.01	PASS
n78(3550-3700)	30	70	639000	1@1	DFT_BPSK	25.38	-0.7	24.68	33.01	PASS
n78(3550-3700)	30	70	639000	1@187	DFT_BPSK	25.44	-0.7	24.74	33.01	PASS
n78(3550-3700)	30	70	639000	90@45	DFT_QPSK	25.41	-0.7	24.71	33.01	PASS
n78(3550-3700)	30	70	639000	1@1	DFT_QPSK	25.40	-0.7	24.70	33.01	PASS
n78(3550-3700)	30	70	639000	1@187	DFT_QPSK	25.41	-0.7	24.71	33.01	PASS
n78(3550-3700)	30	70	639000	90@45	DFT_QAM16	24.44	-0.7	23.74	33.01	PASS
n78(3550-3700)	30	70	639000	1@1	DFT_QAM16	24.35	-0.7	23.65	33.01	PASS
n78(3550-3700)	30	70	639000	1@187	DFT_QAM16	24.39	-0.7	23.69	33.01	PASS
n78(3550-3700)	30	70	639000	90@45	DFT_QAM64	23.02	-0.7	22.32	33.01	PASS
n78(3550-3700)	30	70	639000	1@1	DFT_QAM64	22.83	-0.7	22.13	33.01	PASS
n78(3550-3700)	30	70	639000	1@187	DFT_QAM64	22.91	-0.7	22.21	33.01	PASS
n78(3550-3700)	30	70	639000	90@45	DFT_QAM256	20.94	-0.7	20.24	33.01	PASS
n78(3550-3700)	30	70	639000	1@1	DFT_QAM256	21.11	-0.7	20.41	33.01	PASS
n78(3550-3700)	30	70	639000	1@187	DFT_QAM256	21.11	-0.7	20.41	33.01	PASS
n78(3550-3700)	30	70	639000	95@47	CP_QPSK	23.92	-0.7	23.22	33.01	PASS
n78(3550-3700)	30	70	639000	1@1	CP_QPSK	23.79	-0.7	23.09	33.01	PASS
n78(3550-3700)	30	70	639000	1@187	CP_QPSK	23.85	-0.7	23.15	33.01	PASS
n78(3550-3700)	30	70	639000	95@47	CP_QAM16	23.42	-0.7	22.72	33.01	PASS
n78(3550-3700)	30	70	639000	1@1	CP_QAM16	23.69	-0.7	22.99	33.01	PASS
n78(3550-3700)	30	70	639000	1@187	CP_QAM16	23.46	-0.7	22.76	33.01	PASS
n78(3550-3700)	30	70	639000	95@47	CP_QAM64	22.00	-0.7	21.30	33.01	PASS
n78(3550-3700)	30	70	639000	1@1	CP_QAM64	22.03	-0.7	21.33	33.01	PASS
n78(3550-3700)	30	70	639000	1@187	CP_QAM64	22.30	-0.7	21.60	33.01	PASS
n78(3550-3700)	30	70	639000	95@47	CP_QAM256	19.06	-0.7	18.36	33.01	PASS
n78(3550-3700)	30	70	639000	1@1	CP_QAM256	18.86	-0.7	18.16	33.01	PASS
n78(3550-3700)	30	70	639000	1@187	CP_QAM256	18.83	-0.7	18.13	33.01	PASS
n78(3550-3700)	30	70	641666	90@45	DFT_BPSK	25.53	-0.7	24.83	33.01	PASS
n78(3550-3700)	30	70	641666	1@1	DFT_BPSK	25.40	-0.7	24.70	33.01	PASS
n78(3550-3700)	30	70	641666	1@187	DFT_BPSK	25.05	-0.7	24.35	33.01	PASS
n78(3550-3700)	30	70	641666	90@45	DFT_QPSK	25.51	-0.7	24.81	33.01	PASS
n78(3550-3700)	30	70	641666	1@1	DFT_QPSK	25.44	-0.7	24.74	33.01	PASS
n78(3550-3700)	30	70	641666	1@187	DFT_QPSK	25.00	-0.7	24.30	33.01	PASS
n78(3550-3700)	30	70	641666	90@45	DFT_QAM16	24.53	-0.7	23.83	33.01	PASS
n78(3550-3700)	30	70	641666	1@1	DFT_QAM16	24.37	-0.7	23.67	33.01	PASS
n78(3550-3700)	30	70	641666	1@187	DFT_QAM16	24.11	-0.7	23.41	33.01	PASS
n78(3550-3700)	30	70	641666	90@45	DFT_QAM64	23.03	-0.7	22.33	33.01	PASS
n78(3550-3700)	30	70	641666	1@1	DFT_QAM64	22.84	-0.7	22.14	33.01	PASS

n78(3550-3700)	30	70	641666	1@187	DFT_QAM64	22.55	-0.7	21.85	33.01	PASS
n78(3550-3700)	30	70	641666	90@45	DFT_QAM256	21.05	-0.7	20.35	33.01	PASS
n78(3550-3700)	30	70	641666	1@1	DFT_QAM256	21.01	-0.7	20.31	33.01	PASS
n78(3550-3700)	30	70	641666	1@187	DFT_QAM256	20.66	-0.7	19.96	33.01	PASS
n78(3550-3700)	30	70	641666	95@47	CP_QPSK	24.02	-0.7	23.32	33.01	PASS
n78(3550-3700)	30	70	641666	1@1	CP_QPSK	23.75	-0.7	23.05	33.01	PASS
n78(3550-3700)	30	70	641666	1@187	CP_QPSK	23.40	-0.7	22.70	33.01	PASS
n78(3550-3700)	30	70	641666	95@47	CP_QAM16	23.45	-0.7	22.75	33.01	PASS
n78(3550-3700)	30	70	641666	1@1	CP_QAM16	23.45	-0.7	22.75	33.01	PASS
n78(3550-3700)	30	70	641666	1@187	CP_QAM16	23.07	-0.7	22.37	33.01	PASS
n78(3550-3700)	30	70	641666	95@47	CP_QAM64	22.02	-0.7	21.32	33.01	PASS
n78(3550-3700)	30	70	641666	1@1	CP_QAM64	22.10	-0.7	21.40	33.01	PASS
n78(3550-3700)	30	70	641666	1@187	CP_QAM64	21.80	-0.7	21.10	33.01	PASS
n78(3550-3700)	30	70	641666	95@47	CP_QAM256	19.02	-0.7	18.32	33.01	PASS
n78(3550-3700)	30	70	641666	1@1	CP_QAM256	18.97	-0.7	18.27	33.01	PASS
n78(3550-3700)	30	70	641666	1@187	CP_QAM256	18.57	-0.7	17.87	33.01	PASS
n78(3550-3700)	30	70	644332	90@45	DFT_BPSK	25.23	-0.7	24.53	33.01	PASS
n78(3550-3700)	30	70	644332	1@1	DFT_BPSK	25.45	-0.7	24.75	33.01	PASS
n78(3550-3700)	30	70	644332	1@187	DFT_BPSK	25.23	-0.7	24.53	33.01	PASS
n78(3550-3700)	30	70	644332	90@45	DFT_QPSK	25.14	-0.7	24.44	33.01	PASS
n78(3550-3700)	30	70	644332	1@1	DFT_QPSK	25.35	-0.7	24.65	33.01	PASS
n78(3550-3700)	30	70	644332	1@187	DFT_QPSK	25.09	-0.7	24.39	33.01	PASS
n78(3550-3700)	30	70	644332	90@45	DFT_QAM16	24.17	-0.7	23.47	33.01	PASS
n78(3550-3700)	30	70	644332	1@1	DFT_QAM16	24.35	-0.7	23.65	33.01	PASS
n78(3550-3700)	30	70	644332	1@187	DFT_QAM16	24.20	-0.7	23.50	33.01	PASS
n78(3550-3700)	30	70	644332	90@45	DFT_QAM64	22.67	-0.7	21.97	33.01	PASS
n78(3550-3700)	30	70	644332	1@1	DFT_QAM64	22.90	-0.7	22.20	33.01	PASS
n78(3550-3700)	30	70	644332	1@187	DFT_QAM64	22.62	-0.7	21.92	33.01	PASS
n78(3550-3700)	30	70	644332	90@45	DFT_QAM256	20.72	-0.7	20.02	33.01	PASS
n78(3550-3700)	30	70	644332	1@1	DFT_QAM256	20.95	-0.7	20.25	33.01	PASS
n78(3550-3700)	30	70	644332	1@187	DFT_QAM256	20.78	-0.7	20.08	33.01	PASS
n78(3550-3700)	30	70	644332	95@47	CP_QPSK	23.65	-0.7	22.95	33.01	PASS
n78(3550-3700)	30	70	644332	1@1	CP_QPSK	23.77	-0.7	23.07	33.01	PASS
n78(3550-3700)	30	70	644332	1@187	CP_QPSK	23.54	-0.7	22.84	33.01	PASS
n78(3550-3700)	30	70	644332	95@47	CP_QAM16	23.17	-0.7	22.47	33.01	PASS
n78(3550-3700)	30	70	644332	1@1	CP_QAM16	23.73	-0.7	23.03	33.01	PASS
n78(3550-3700)	30	70	644332	1@187	CP_QAM16	23.50	-0.7	22.80	33.01	PASS
n78(3550-3700)	30	70	644332	95@47	CP_QAM64	21.67	-0.7	20.97	33.01	PASS
n78(3550-3700)	30	70	644332	1@1	CP_QAM64	22.23	-0.7	21.53	33.01	PASS
n78(3550-3700)	30	70	644332	1@187	CP_QAM64	22.06	-0.7	21.36	33.01	PASS
n78(3550-3700)	30	70	644332	95@47	CP_QAM256	18.72	-0.7	18.02	33.01	PASS
n78(3550-3700)	30	70	644332	1@1	CP_QAM256	18.79	-0.7	18.09	33.01	PASS
n78(3550-3700)	30	70	644332	1@187	CP_QAM256	18.56	-0.7	17.86	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	3.45	-19.43	-0.01	Within authorized band for 5G NR n78	PASS
n78(3550-3700)	30	70	641666	90@45	DFT_BPSK	3.85	-17.91	0.00		PASS
n78(3550-3700)	30	70	641666	90@45	DFT_BPSK	4.40	-22.93	-0.01		PASS
n78(3550-3700)	30	70	641666	90@45	DFT_QPSK	3.45	-18.21	-0.01		PASS
n78(3550-3700)	30	70	641666	90@45	DFT_QPSK	3.85	-19.60	-0.01		PASS
n78(3550-3700)	30	70	641666	90@45	DFT_QPSK	4.40	-12.98	0.00		PASS

Note: Only the worst case shown in the report.

NV:

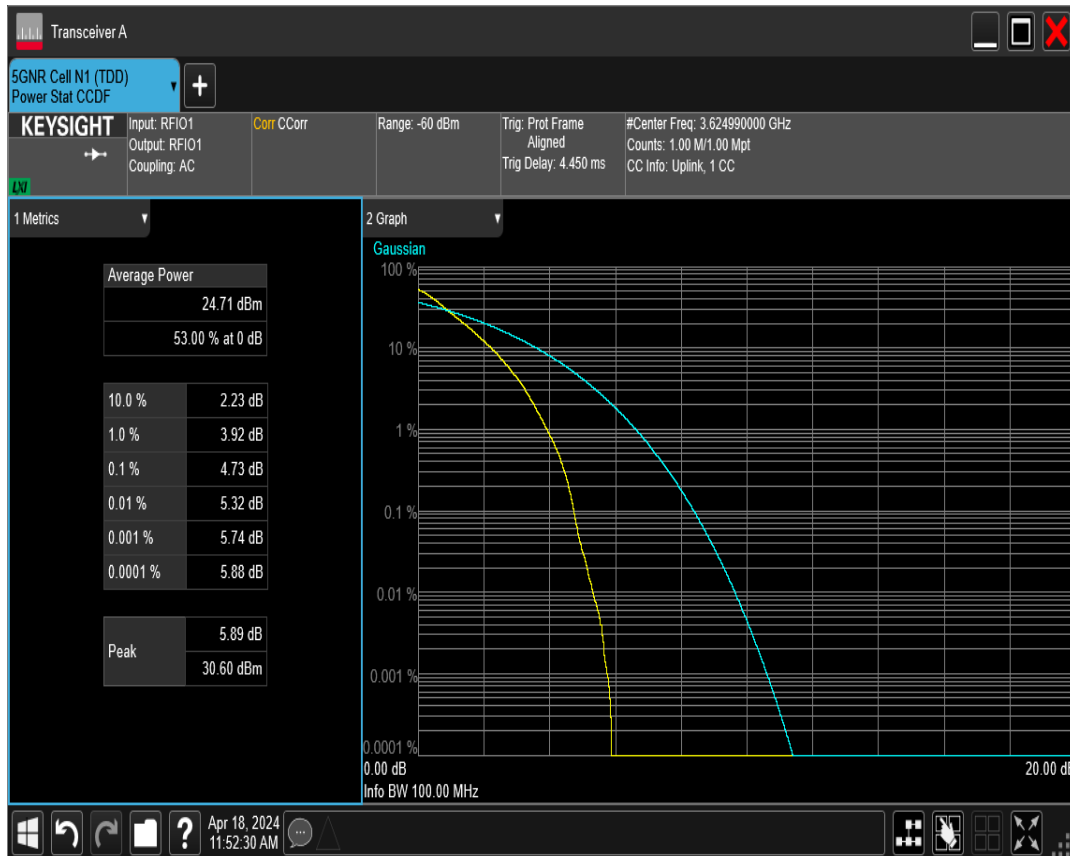
Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Voltage (Vdc)	Result(Hz)	Result (ppm)	Limit (ppm)	Verdict
n78(3550-3700)	30	70	641666	90@45	DFT_BPSK	-30	-16.54	0.00	Within authorized band for 5G NR n78	PASS
n78(3550-3700)	30	70	641666	90@45	DFT_BPSK	-20	-24.28	-0.01		PASS
n78(3550-3700)	30	70	641666	90@45	DFT_BPSK	-10	-24.36	-0.01		PASS
n78(3550-3700)	30	70	641666	90@45	DFT_BPSK	0	-23.98	-0.01		PASS
n78(3550-3700)	30	70	641666	90@45	DFT_BPSK	10	-22.78	-0.01		PASS
n78(3550-3700)	30	70	641666	90@45	DFT_BPSK	20	-23.23	-0.01		PASS
n78(3550-3700)	30	70	641666	90@45	DFT_BPSK	30	-18.36	-0.01		PASS
n78(3550-3700)	30	70	641666	90@45	DFT_BPSK	40	-17.32	0.00		PASS
n78(3550-3700)	30	70	641666	90@45	DFT_BPSK	50	-22.46	-0.01		PASS
n78(3550-3700)	30	70	641666	90@45	DFT_QPSK	-30	-24.41	-0.01		PASS
n78(3550-3700)	30	70	641666	90@45	DFT_QPSK	-20	-15.94	0.00		PASS
n78(3550-3700)	30	70	641666	90@45	DFT_QPSK	-10	-17.20	0.00		PASS
n78(3550-3700)	30	70	641666	90@45	DFT_QPSK	0	-23.11	-0.01		PASS
n78(3550-3700)	30	70	641666	90@45	DFT_QPSK	10	-17.34	0.00		PASS
n78(3550-3700)	30	70	641666	90@45	DFT_QPSK	20	-23.58	-0.01		PASS
n78(3550-3700)	30	70	641666	90@45	DFT_QPSK	30	-19.36	-0.01		PASS
n78(3550-3700)	30	70	641666	90@45	DFT_QPSK	40	-24.09	-0.01		PASS
n78(3550-3700)	30	70	641666	90@45	DFT_QPSK	50	-17.45	0.00		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	4.73	13	PASS
n78(3550-3700)	30	70	641666	180@0	DFT_QPSK	5.80	13	PASS
n78(3550-3700)	30	70	641666	180@0	DFT_QAM16	6.59	13	PASS
n78(3550-3700)	30	70	641666	180@0	DFT_QAM64	6.80	13	PASS
n78(3550-3700)	30	70	641666	180@0	DFT_QAM256	7.02	13	PASS

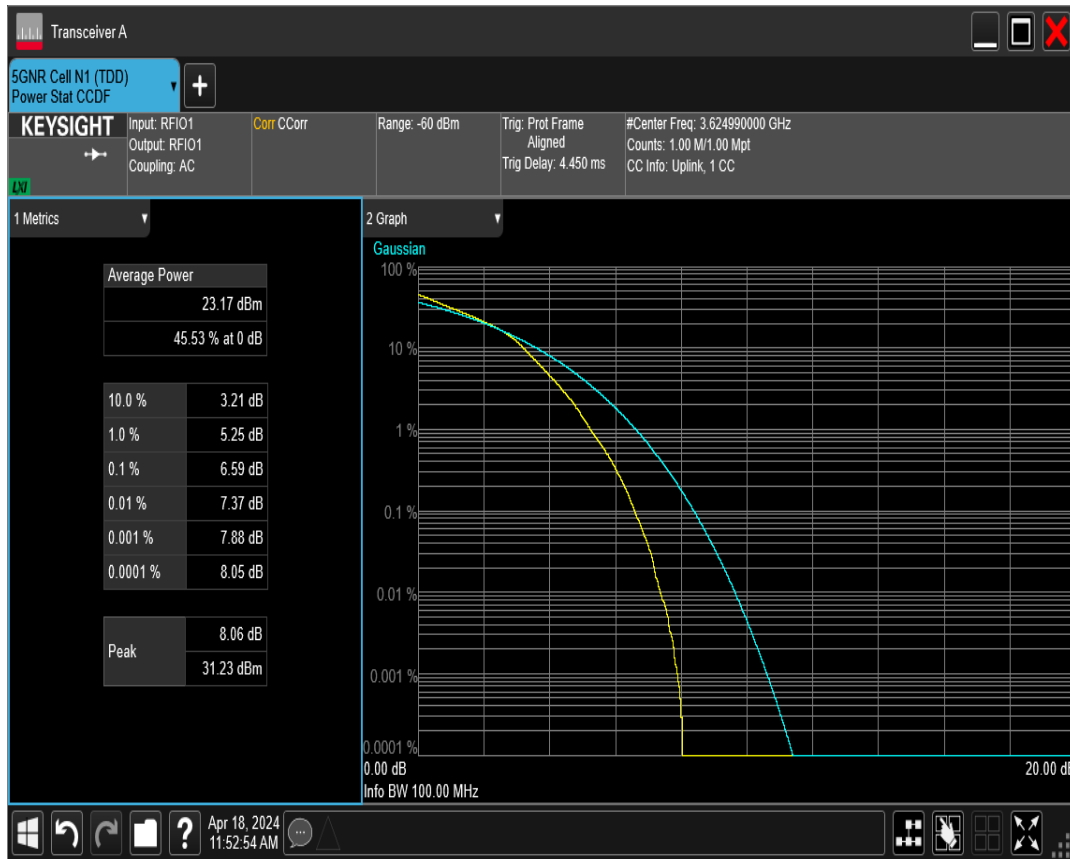
n78(3550-3700) SCS=30kHz DFT_BPSK BW=70MHz Channel=641666 RB=180@0



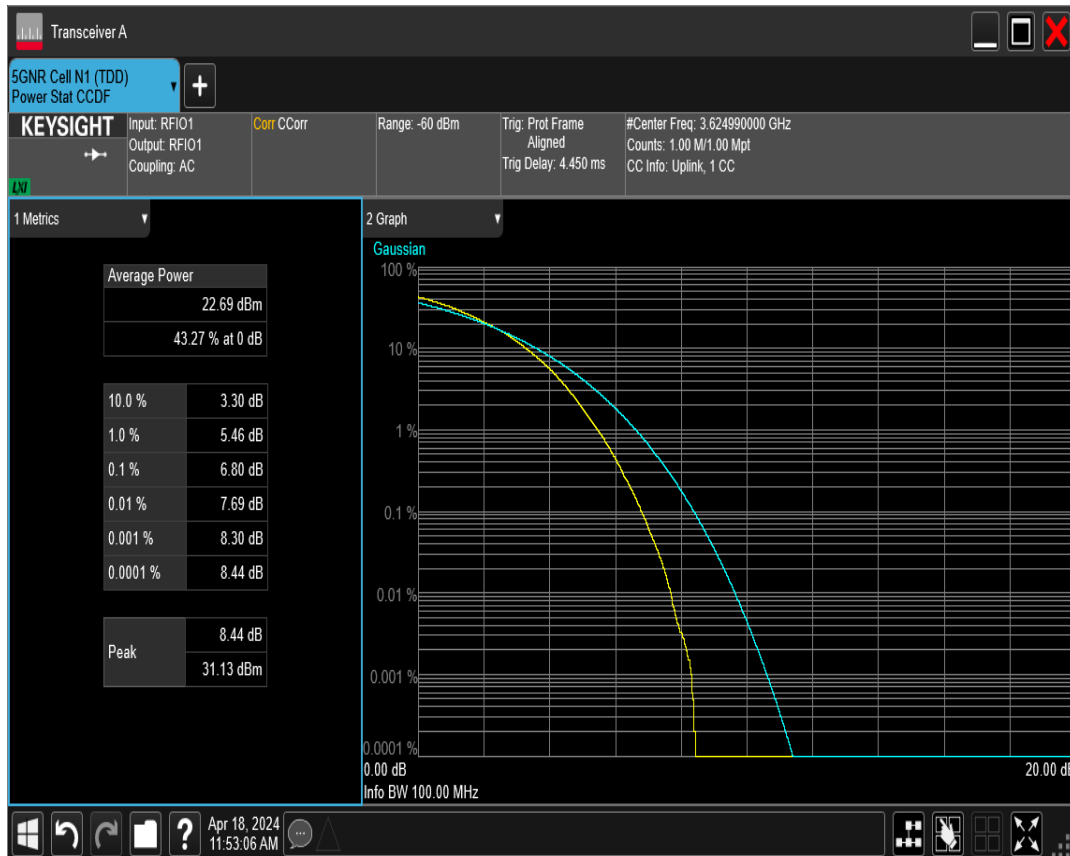
n78(3550-3700) SCS=30kHz DFT_QPSK BW=70MHz Channel=641666 RB=180@0



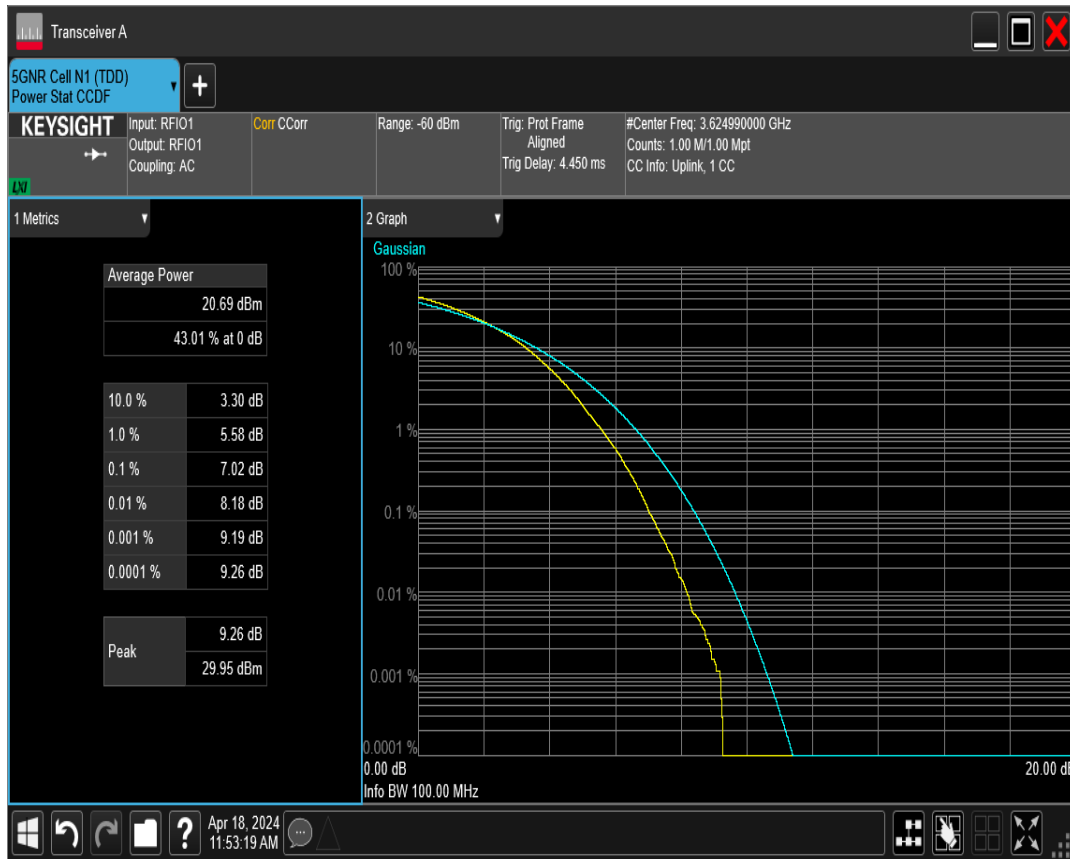
n78(3550-3700) SCS=30kHz DFT_QAM16 BW=70MHz Channel=641666 RB=180@0



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



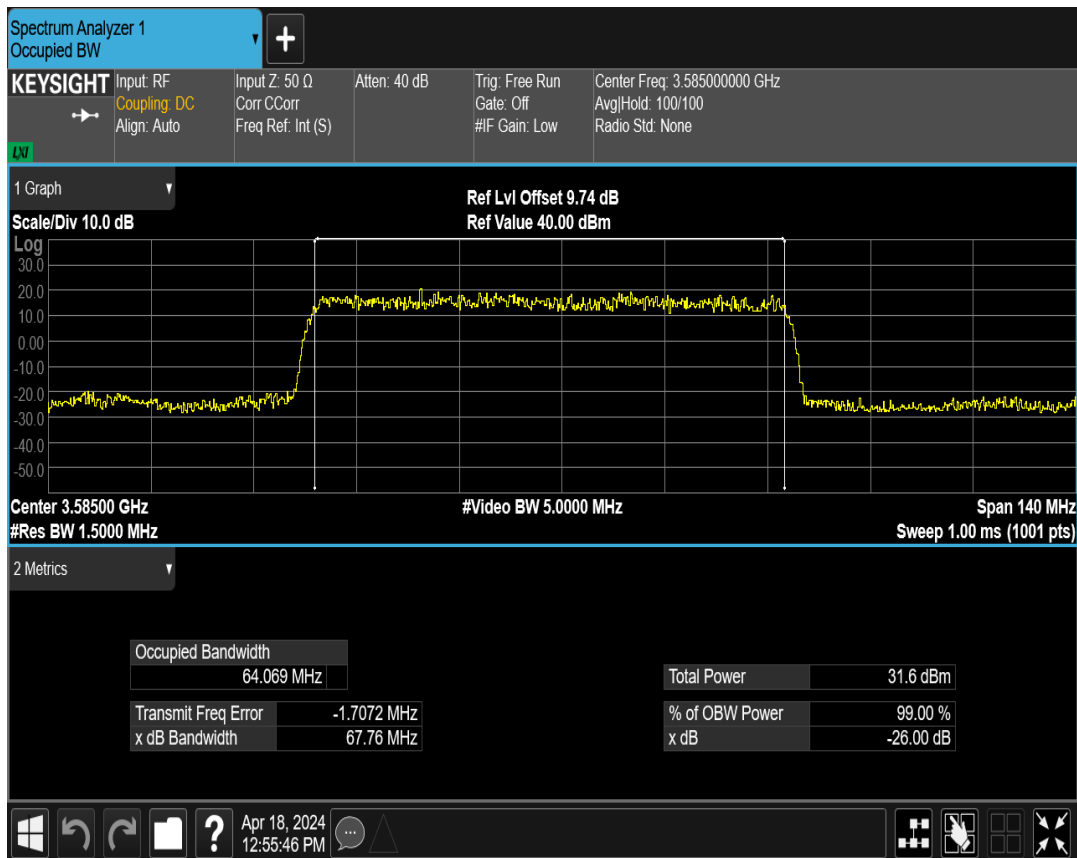
n78(3550-3700) SCS=30kHz DFT_QAM256 BW=70MHz Channel=641666 RB=180@0



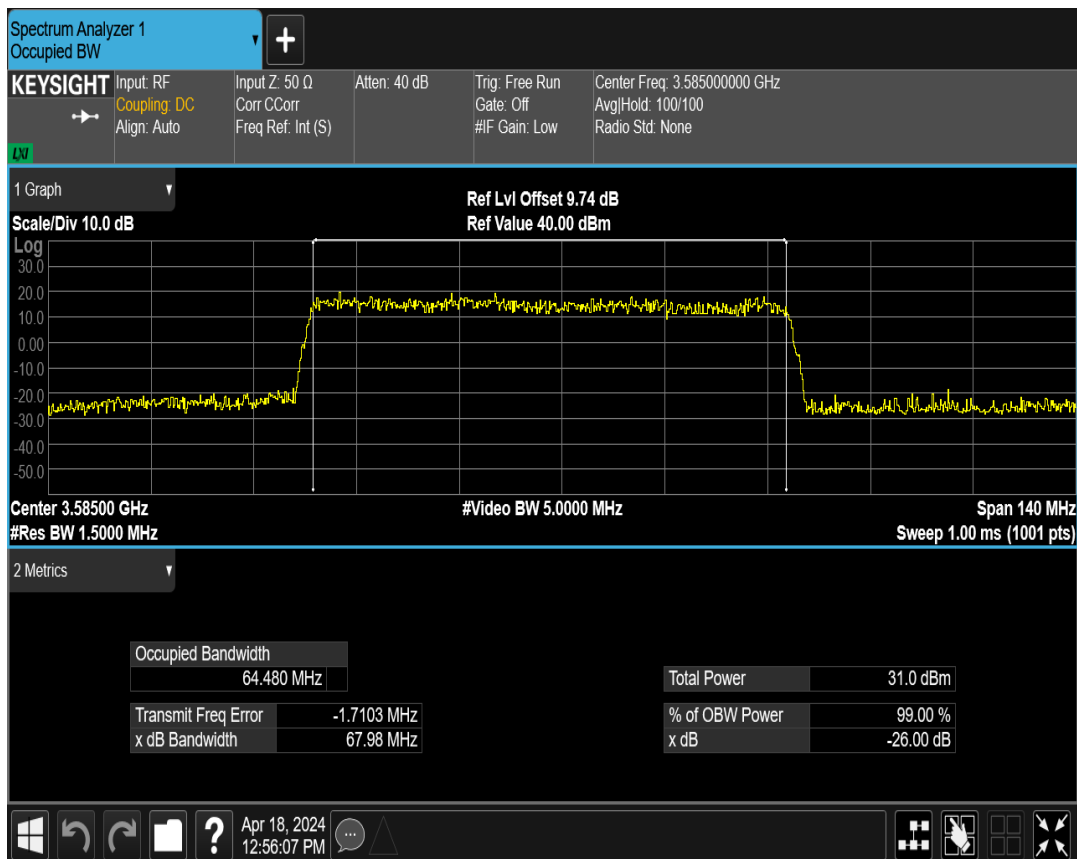
4 Occupied bandwidth for NR FR1

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	64.069	67.765	PASS
n78(3550-3700)	30	70	639000	180@0	DFT_QPSK	64.480	67.983	PASS
n78(3550-3700)	30	70	639000	180@0	DFT_QAM16	64.226	67.815	PASS
n78(3550-3700)	30	70	639000	180@0	DFT_QAM64	64.542	67.753	PASS
n78(3550-3700)	30	70	639000	180@0	DFT_QAM256	64.475	67.543	PASS
n78(3550-3700)	30	70	639000	189@0	CP_QPSK	67.432	71.206	PASS
n78(3550-3700)	30	70	641666	180@0	DFT_BPSK	64.261	67.611	PASS
n78(3550-3700)	30	70	641666	180@0	DFT_QPSK	64.690	67.516	PASS
n78(3550-3700)	30	70	641666	180@0	DFT_QAM16	64.389	67.704	PASS
n78(3550-3700)	30	70	641666	180@0	DFT_QAM64	64.093	68.081	PASS
n78(3550-3700)	30	70	641666	180@0	DFT_QAM256	64.353	67.572	PASS
n78(3550-3700)	30	70	641666	189@0	CP_QPSK	67.412	71.105	PASS
n78(3550-3700)	30	70	644332	180@0	DFT_BPSK	64.446	67.687	PASS
n78(3550-3700)	30	70	644332	180@0	DFT_QPSK	64.552	67.701	PASS
n78(3550-3700)	30	70	644332	180@0	DFT_QAM16	64.566	67.995	PASS
n78(3550-3700)	30	70	644332	180@0	DFT_QAM64	64.668	67.333	PASS
n78(3550-3700)	30	70	644332	180@0	DFT_QAM256	64.622	67.822	PASS
n78(3550-3700)	30	70	644332	189@0	CP_QPSK	67.550	71.194	PASS

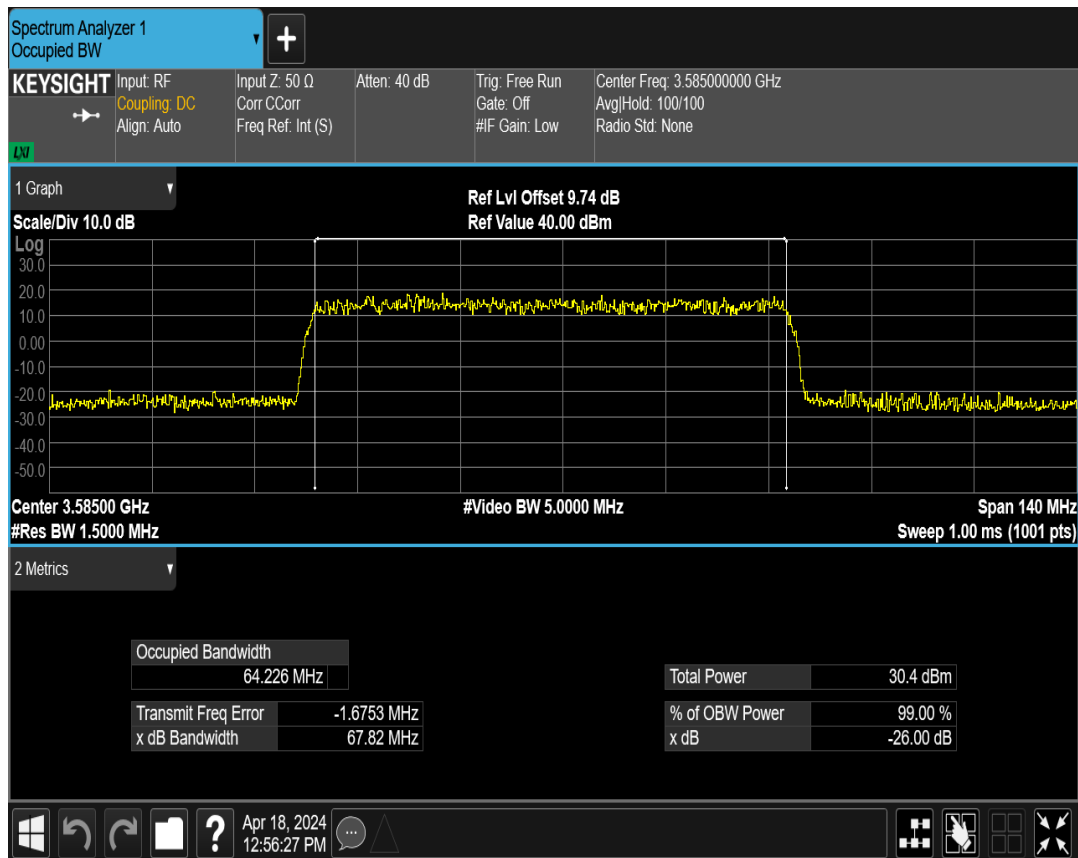
n78(3550-3700) SCS=30kHz DFT_BPSK BW=70MHz Channel=639000 RB=180@0



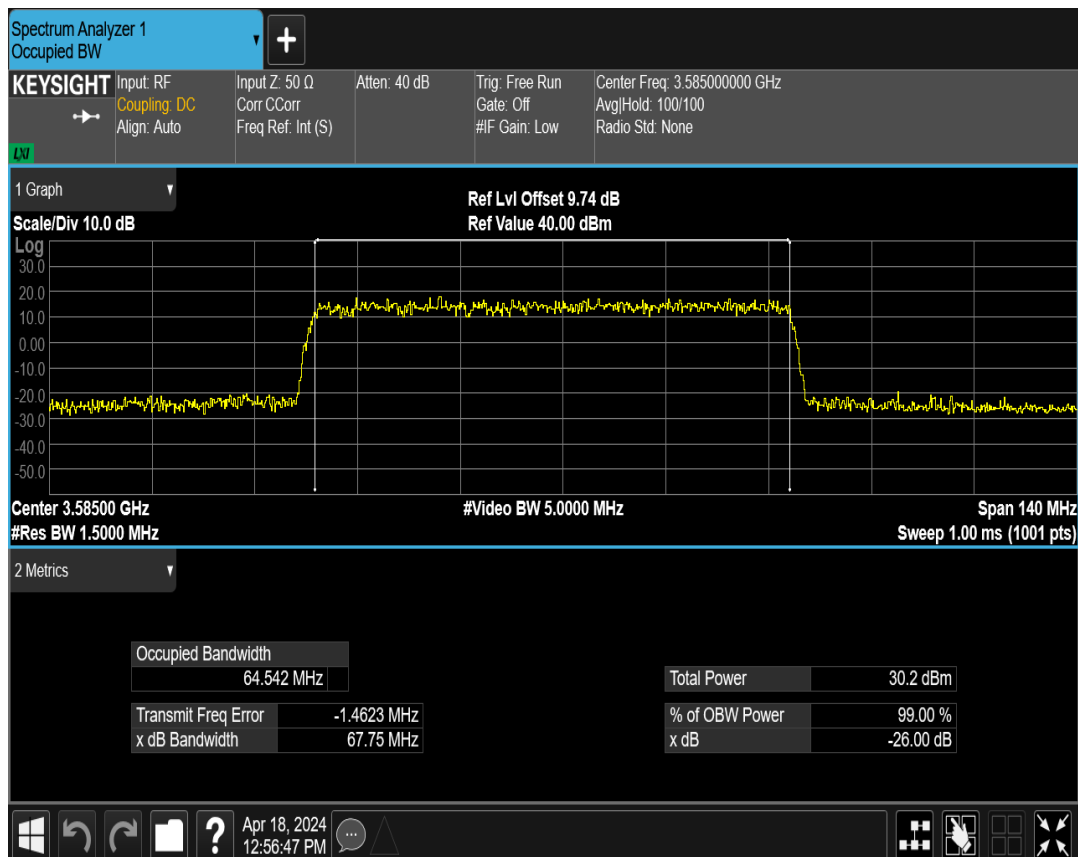
n78(3550-3700) SCS=30kHz DFT_QPSK BW=70MHz Channel=639000 RB=180@0



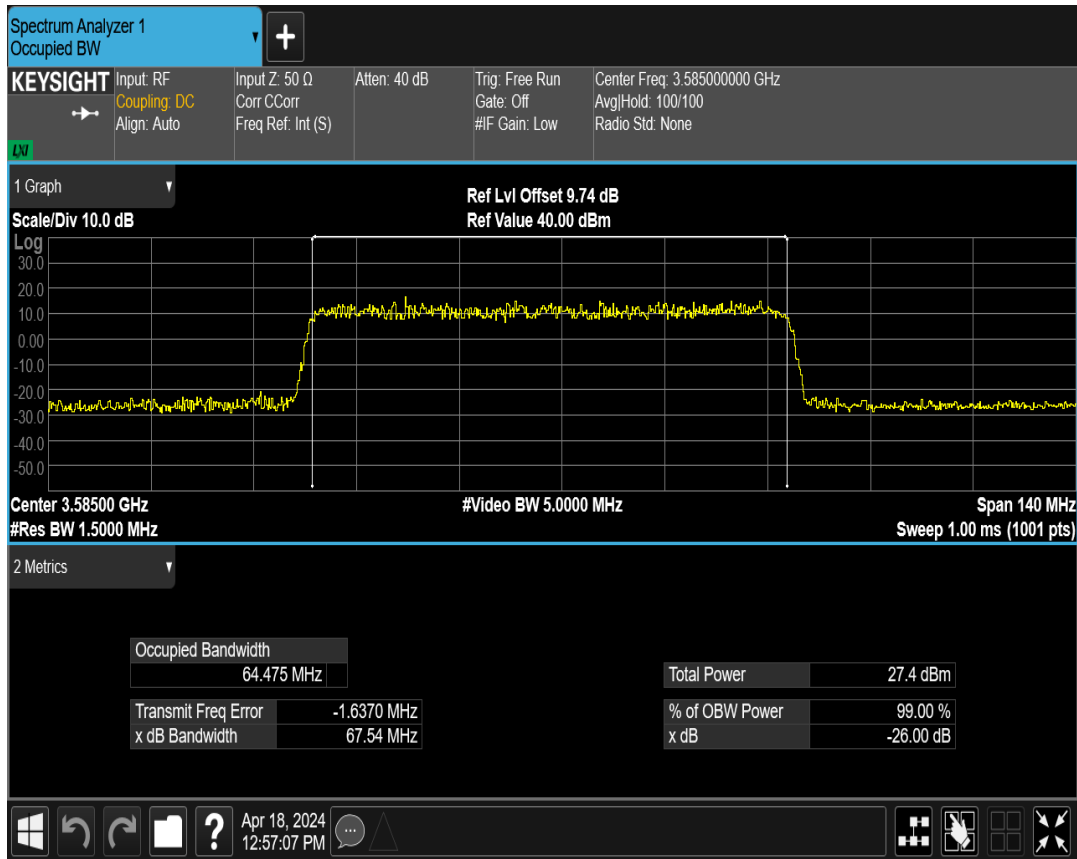
n78(3550-3700) SCS=30kHz DFT_QAM16 BW=70MHz Channel=639000 RB=180@0



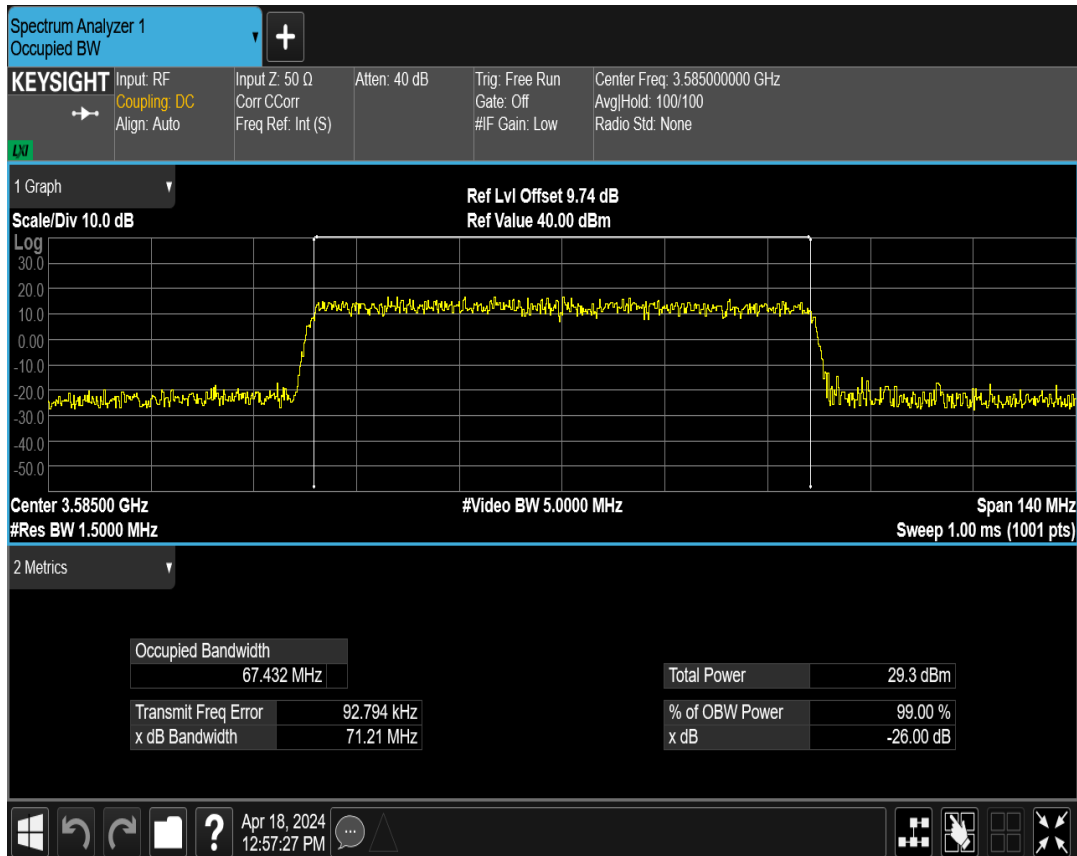
n78(3550-3700) SCS=30kHz DFT_QAM64 BW=70MHz Channel=639000 RB=180@0



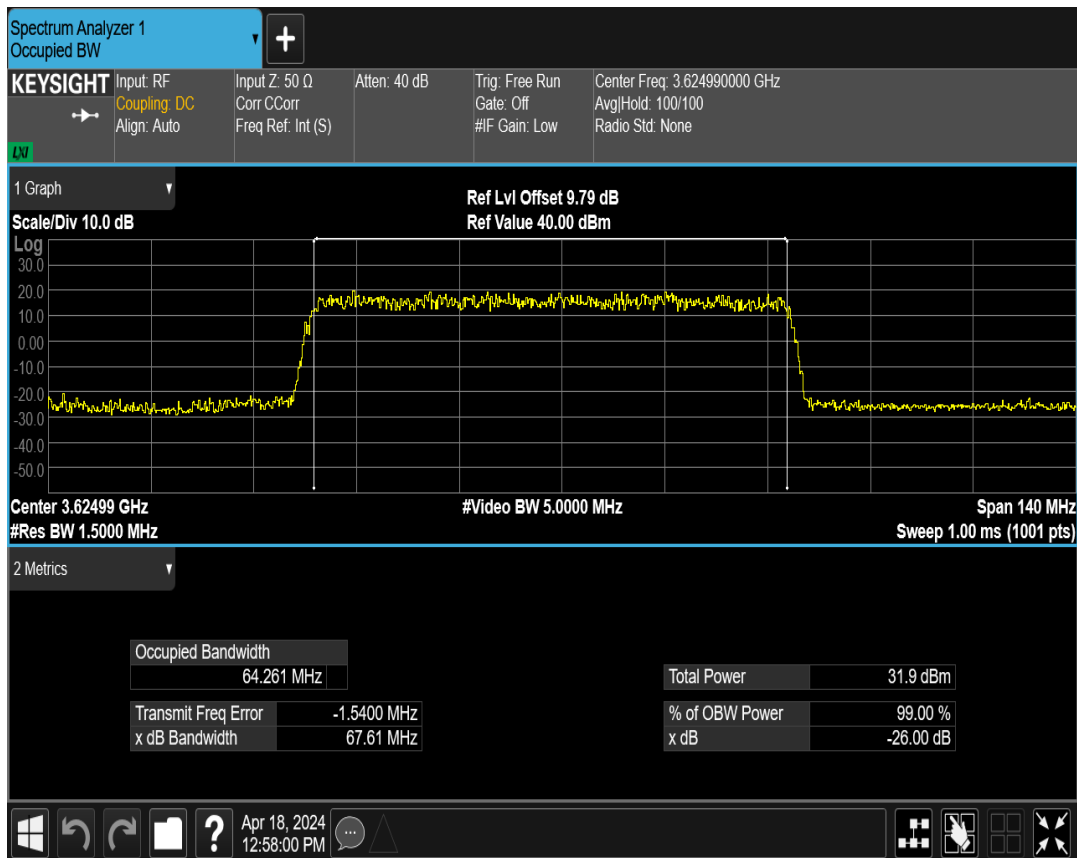
n78(3550-3700) SCS=30kHz DFT_QAM256 BW=70MHz Channel=639000 RB=180@0



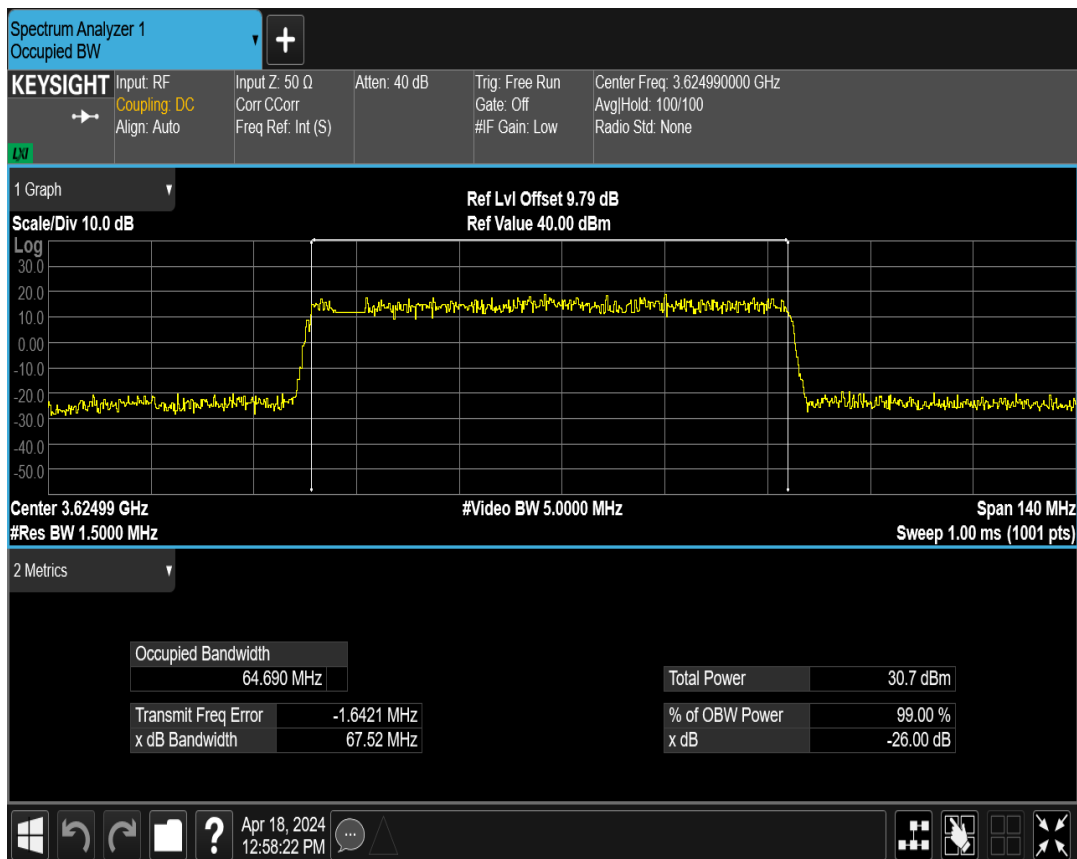
n78(3550-3700) SCS=30kHz CP_QPSK BW=70MHz Channel=639000 RB=189@0



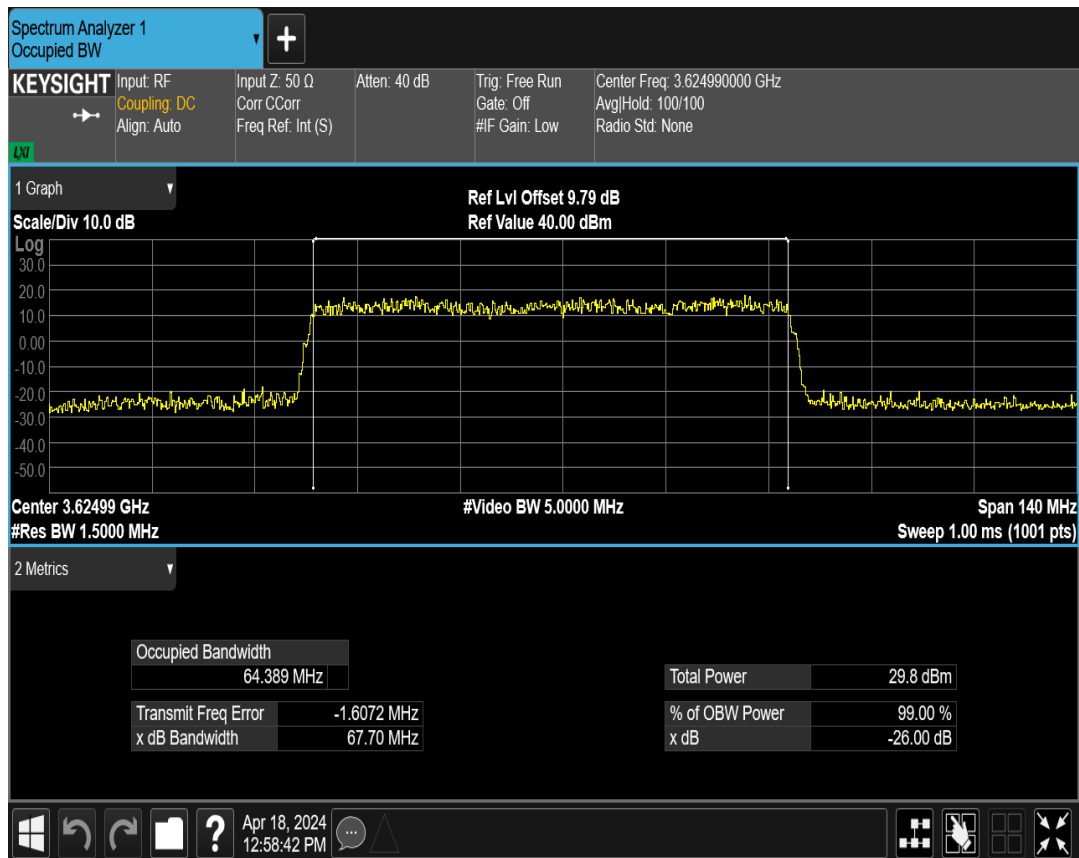
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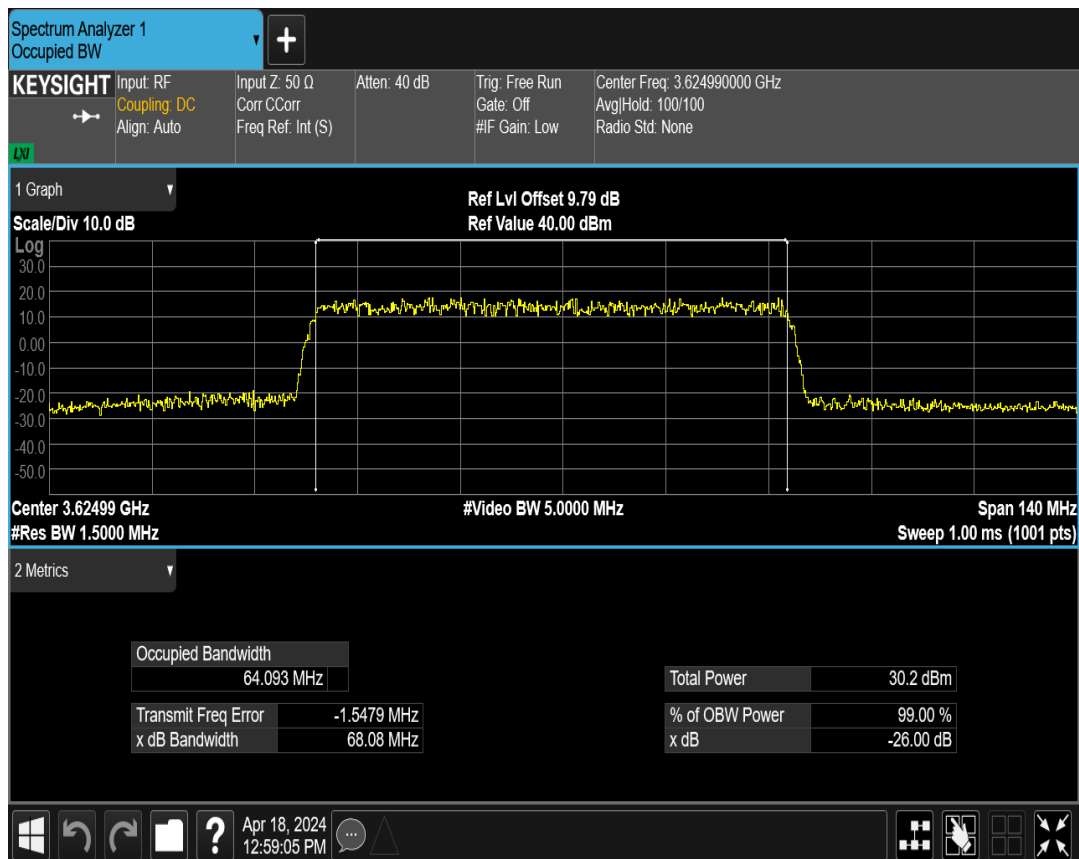
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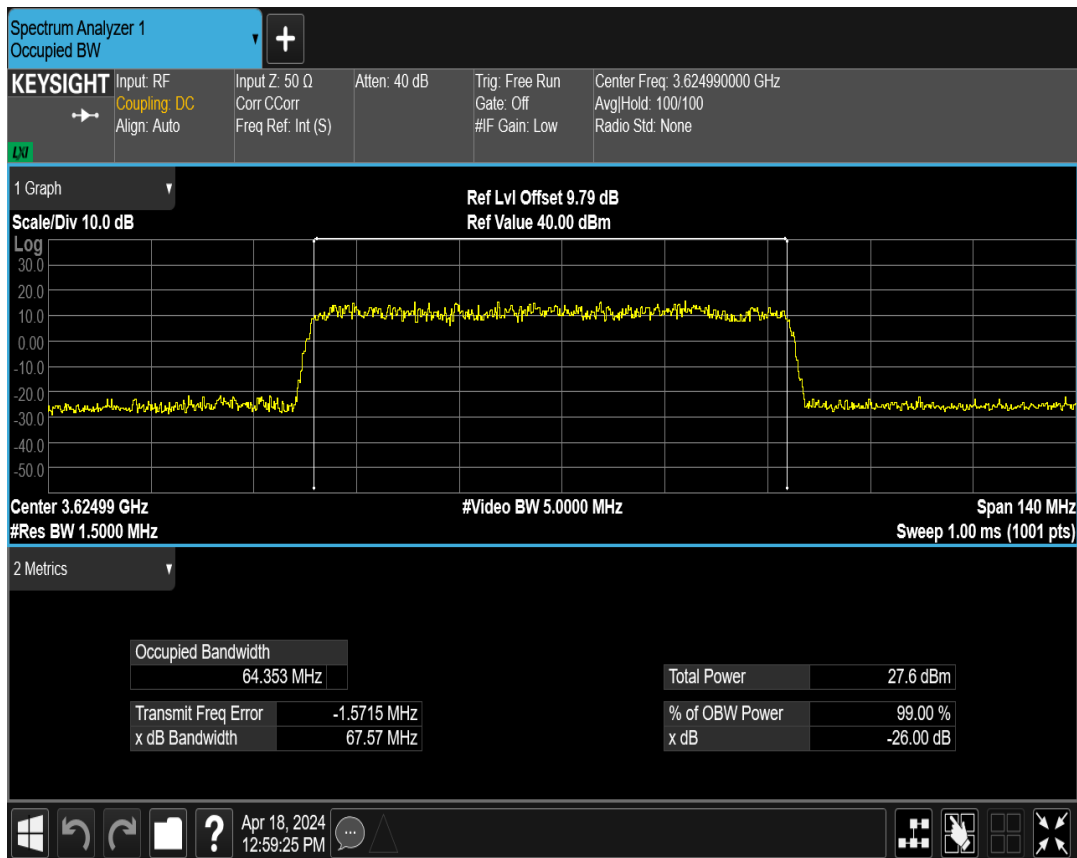
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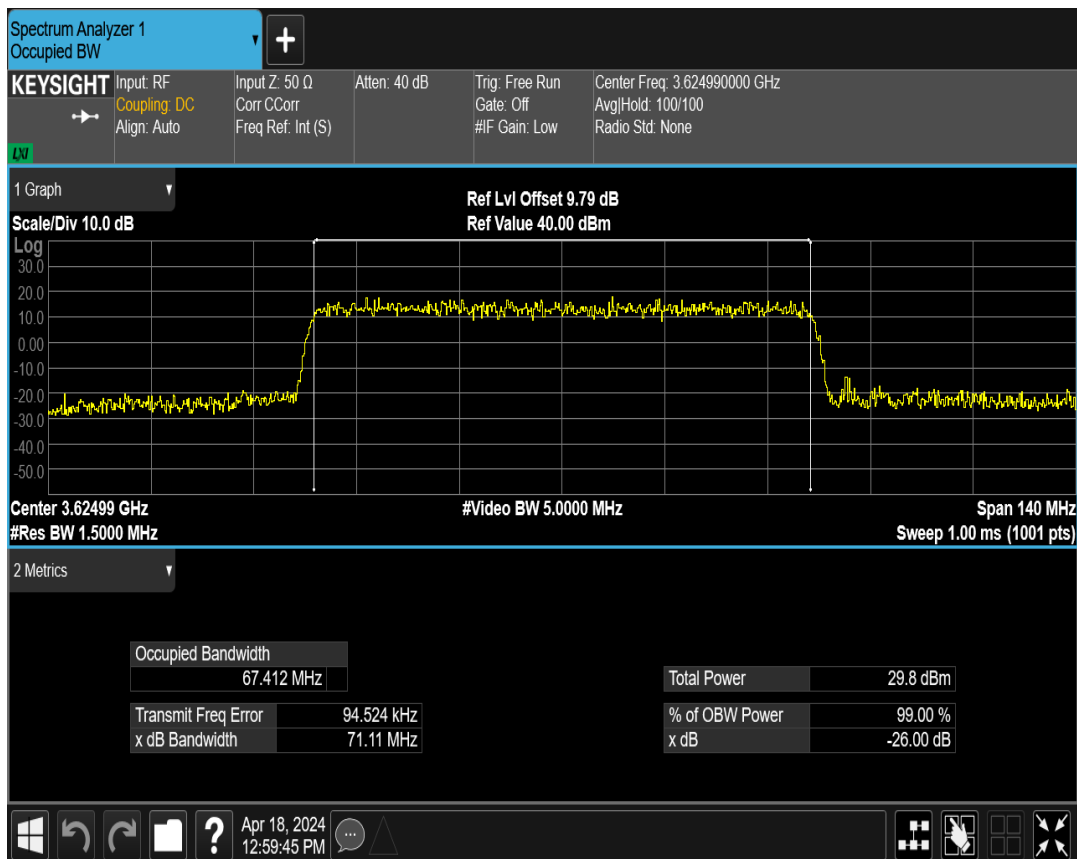
n78(3550-3700) SCS=30kHz DFT_QAM64 BW=70MHz Channel=641666 RB=180@0



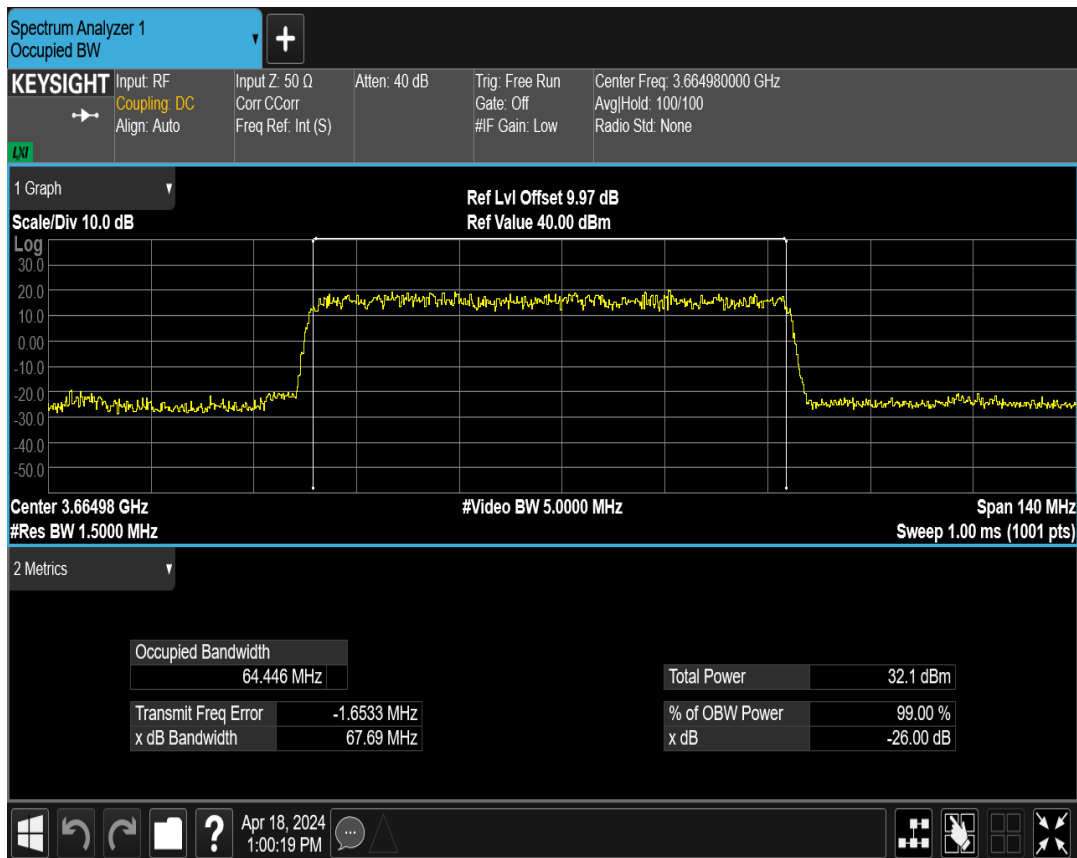
n78(3550-3700) SCS=30kHz DFT_QAM256 BW=70MHz Channel=641666 RB=180@0



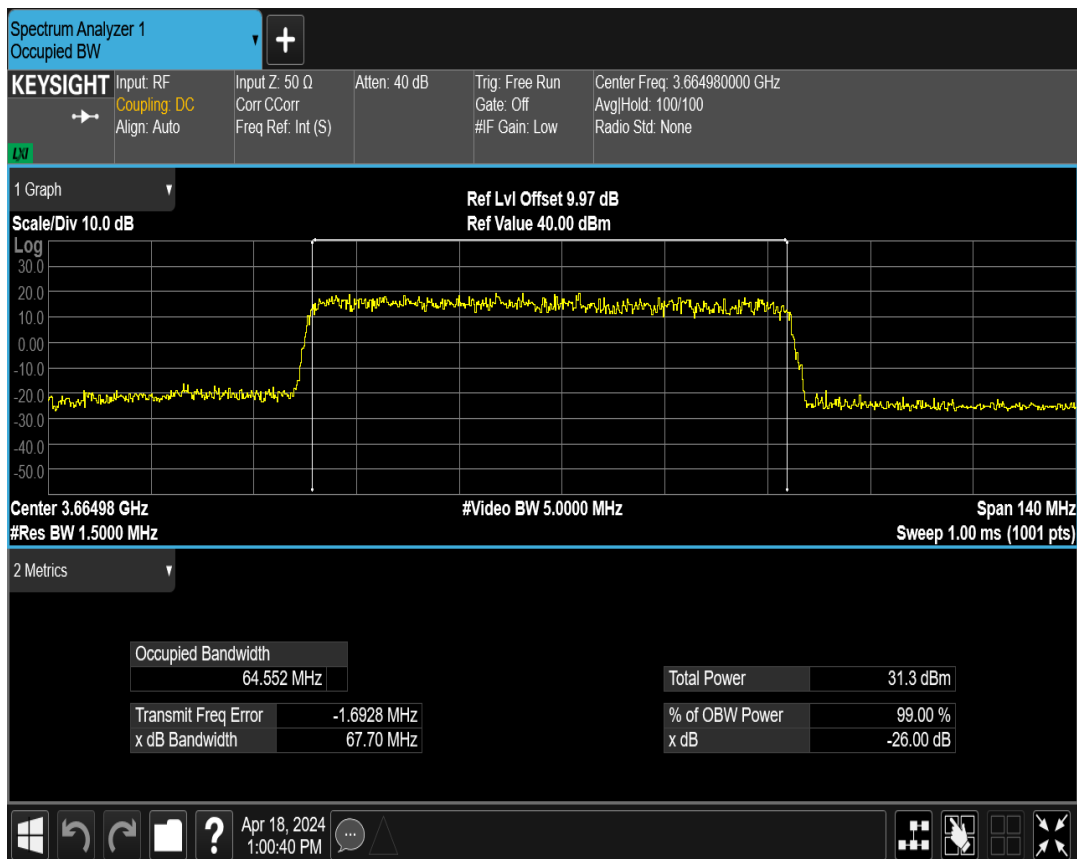
n78(3550-3700) SCS=30kHz CP_QPSK BW=70MHz Channel=641666 RB=189@0



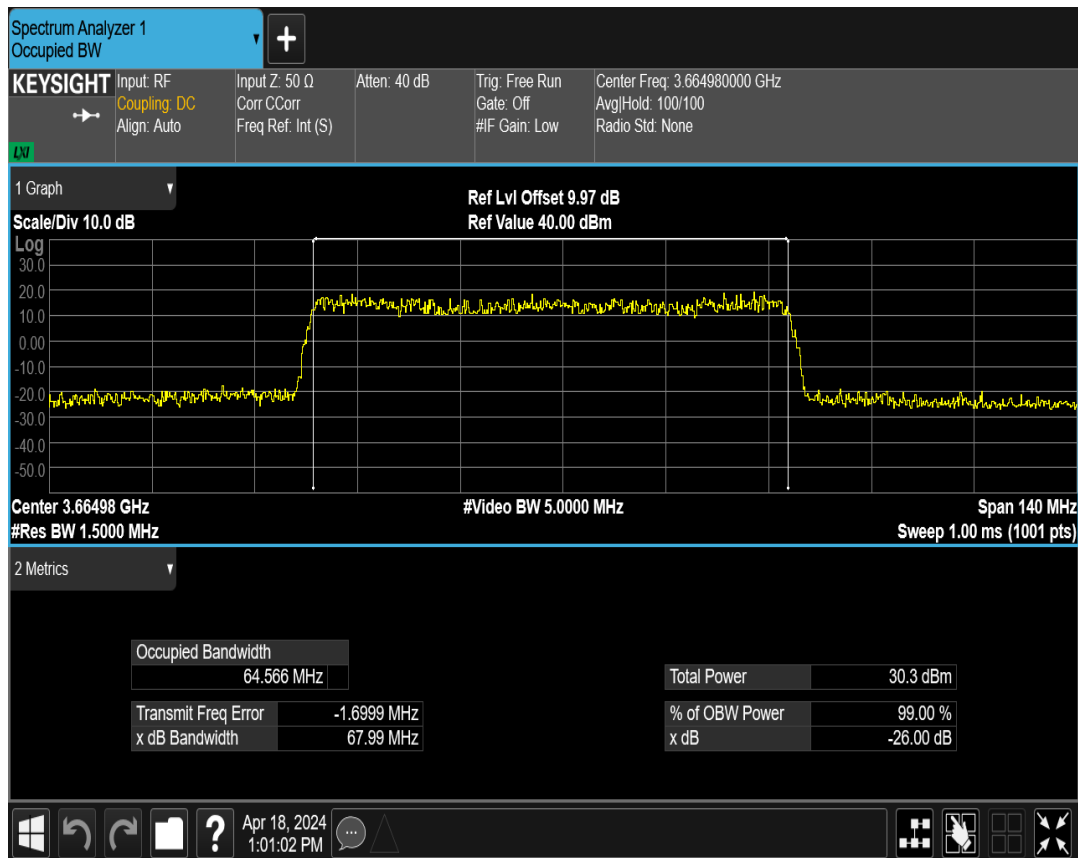
n78(3550-3700) SCS=30kHz DFT_BPSK BW=70MHz Channel=644332 RB=180@0



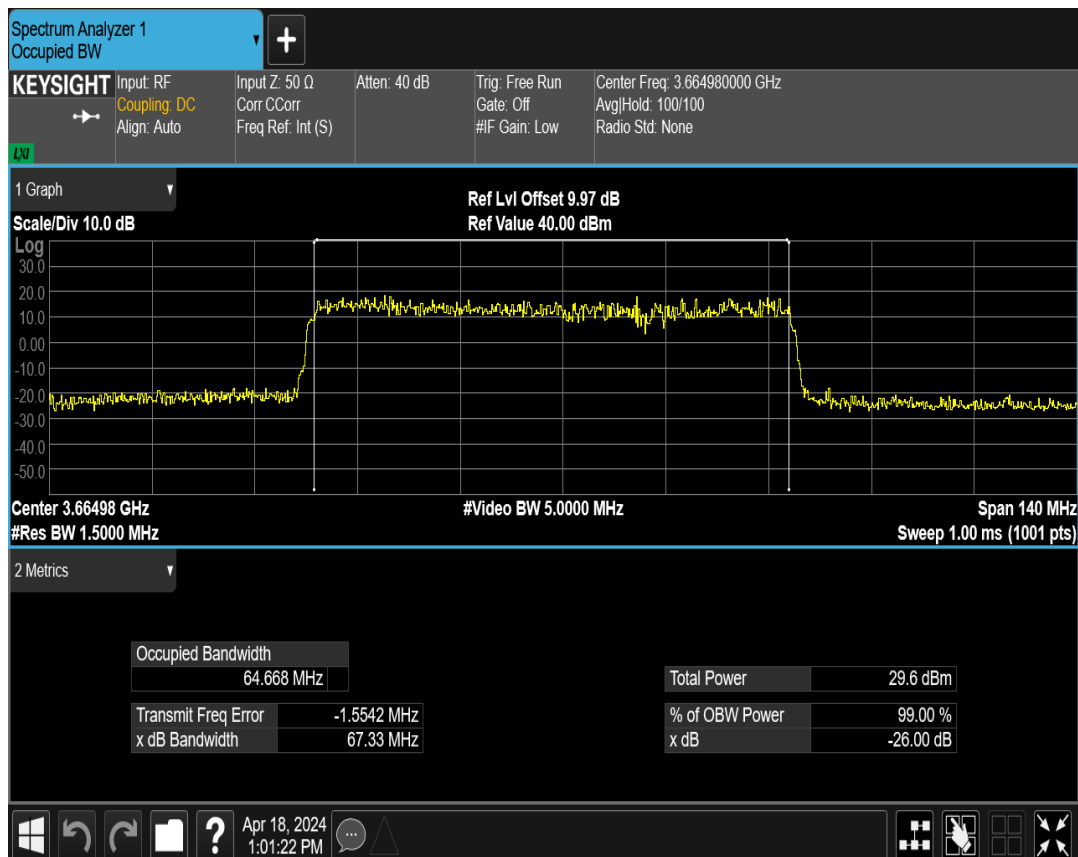
n78(3550-3700) SCS=30kHz DFT_QPSK BW=70MHz Channel=644332 RB=180@0



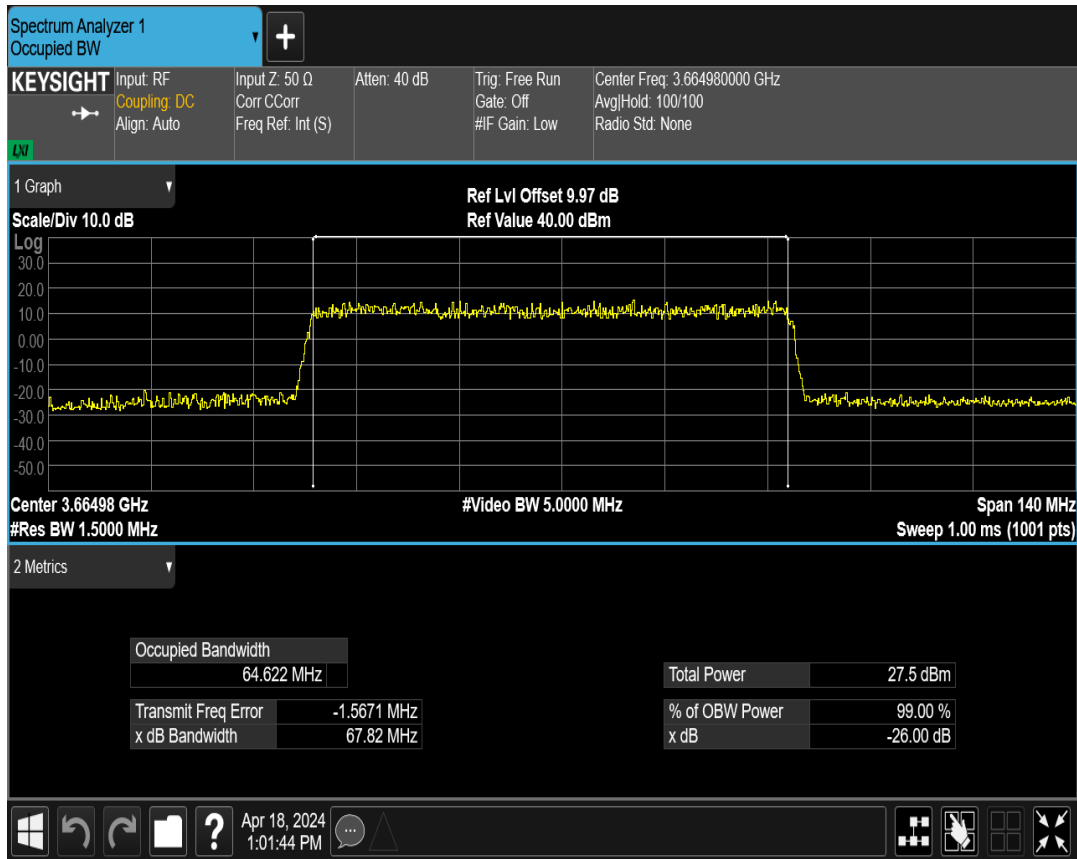
n78(3550-3700) SCS=30kHz DFT_QAM16 BW=70MHz Channel=644332 RB=180@0



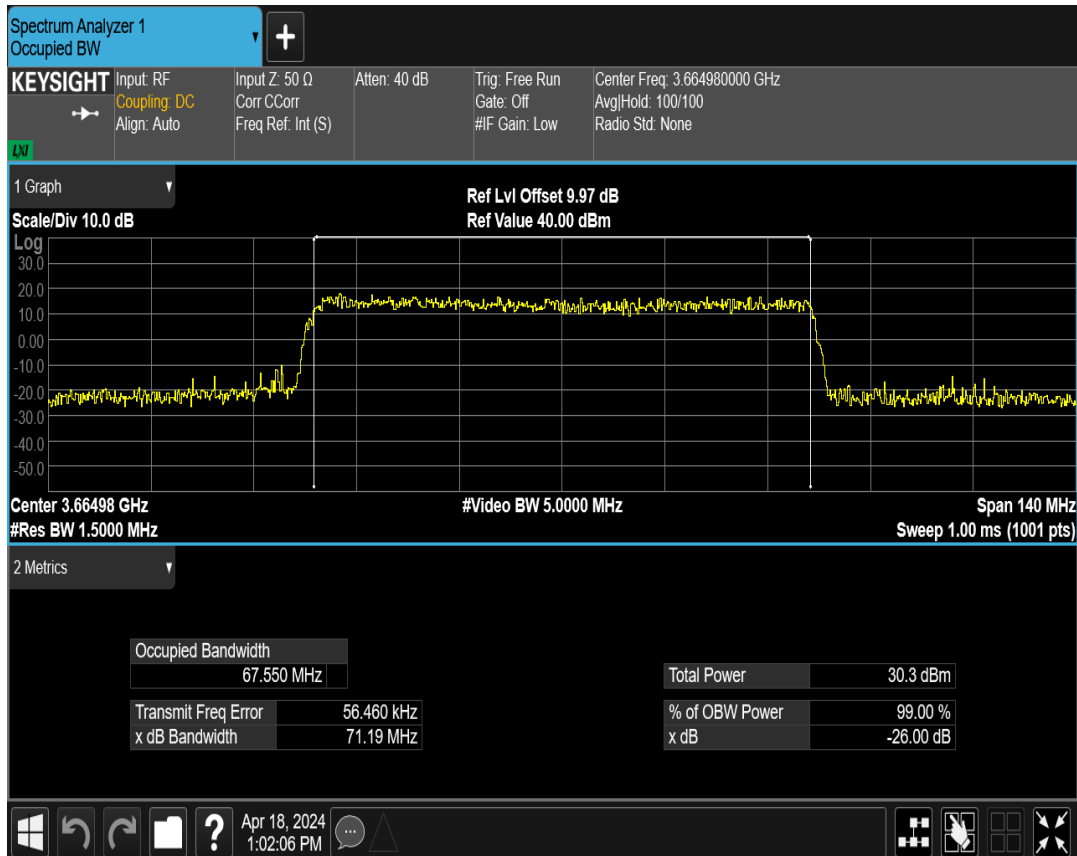
n78(3550-3700) SCS=30kHz DFT_QAM64 BW=70MHz Channel=644332 RB=180@0



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



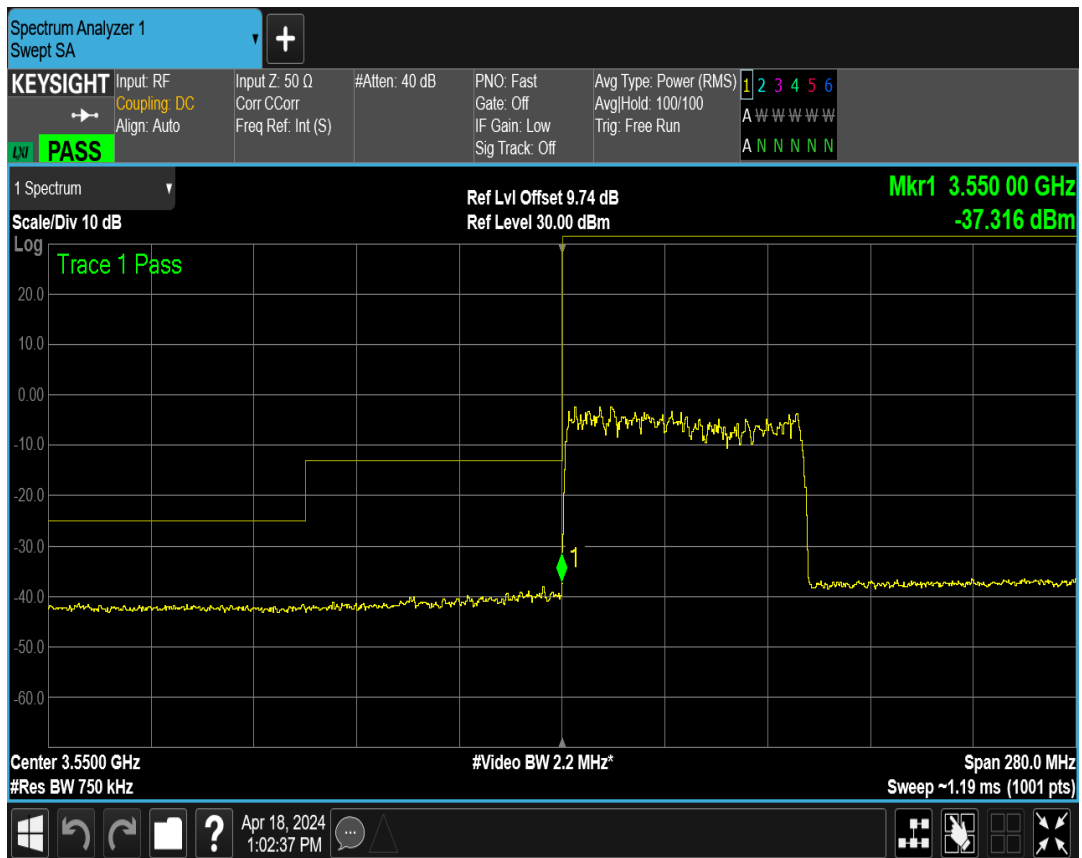
n78(3550-3700) SCS=30kHz CP_QPSK BW=70MHz Channel=644332 RB=189@0



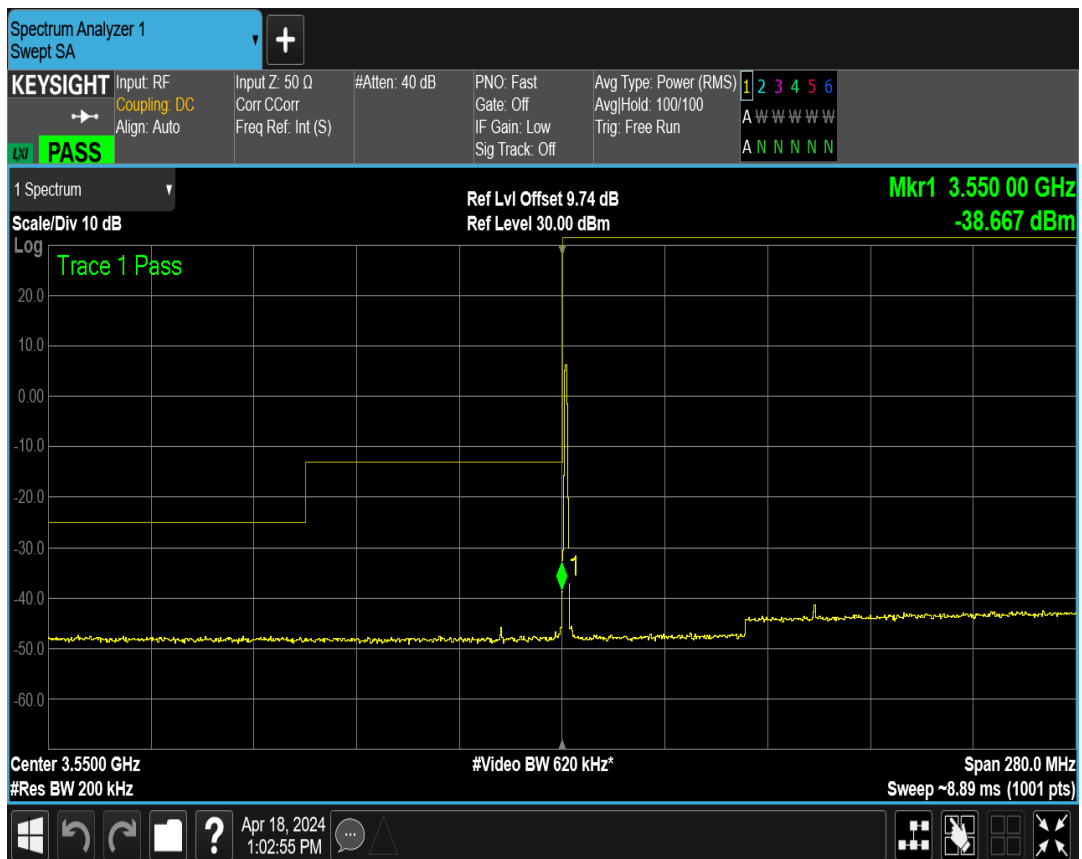
5 Band edge for NR FR1

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	3550.00	-37.32	-13	PASS
n78(3550-3700)	30	70	639000	1@0	DFT_QPSK	3550.00	-38.67	-13	PASS
n78(3550-3700)	30	70	644332	180@0	DFT_QPSK	3789.04	-35.43	-13	PASS
n78(3550-3700)	30	70	644332	1@188	DFT_QPSK	3766.08	-41.49	-13	PASS

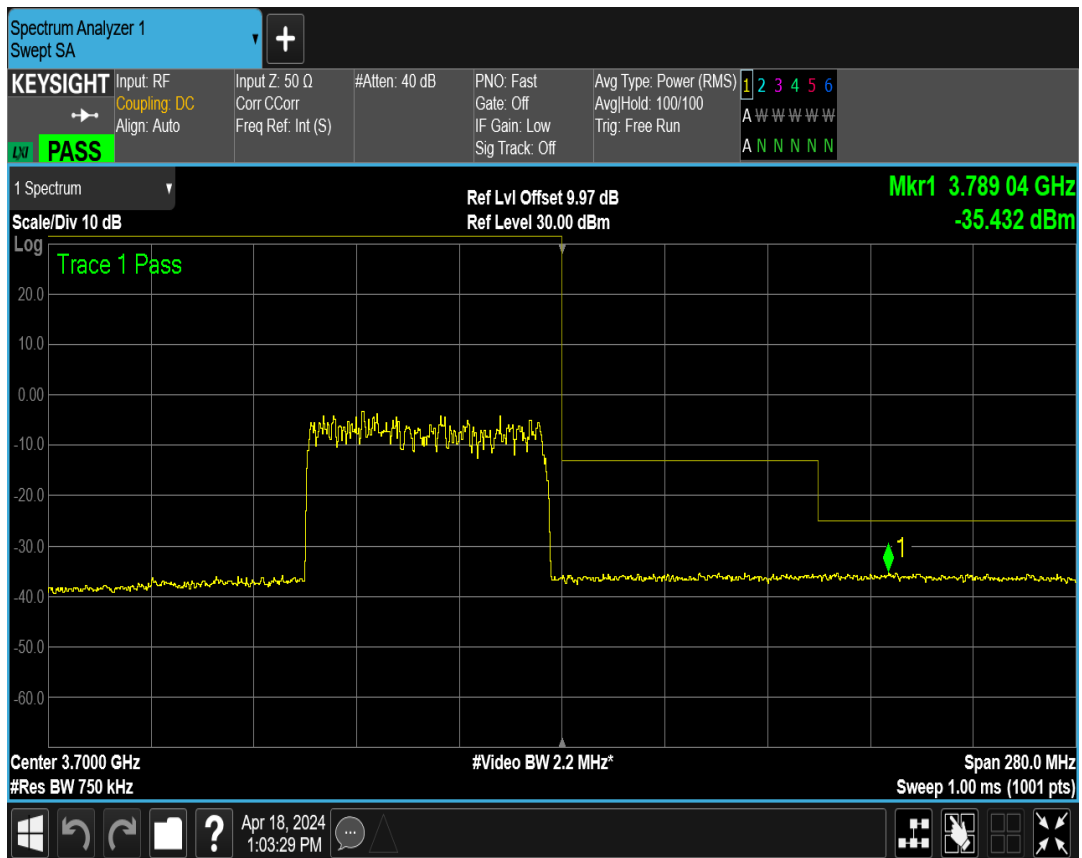
n78(3550-3700) SCS=30kHz DFT_QPSK BW=70MHz Channel=639000 RB=180@0



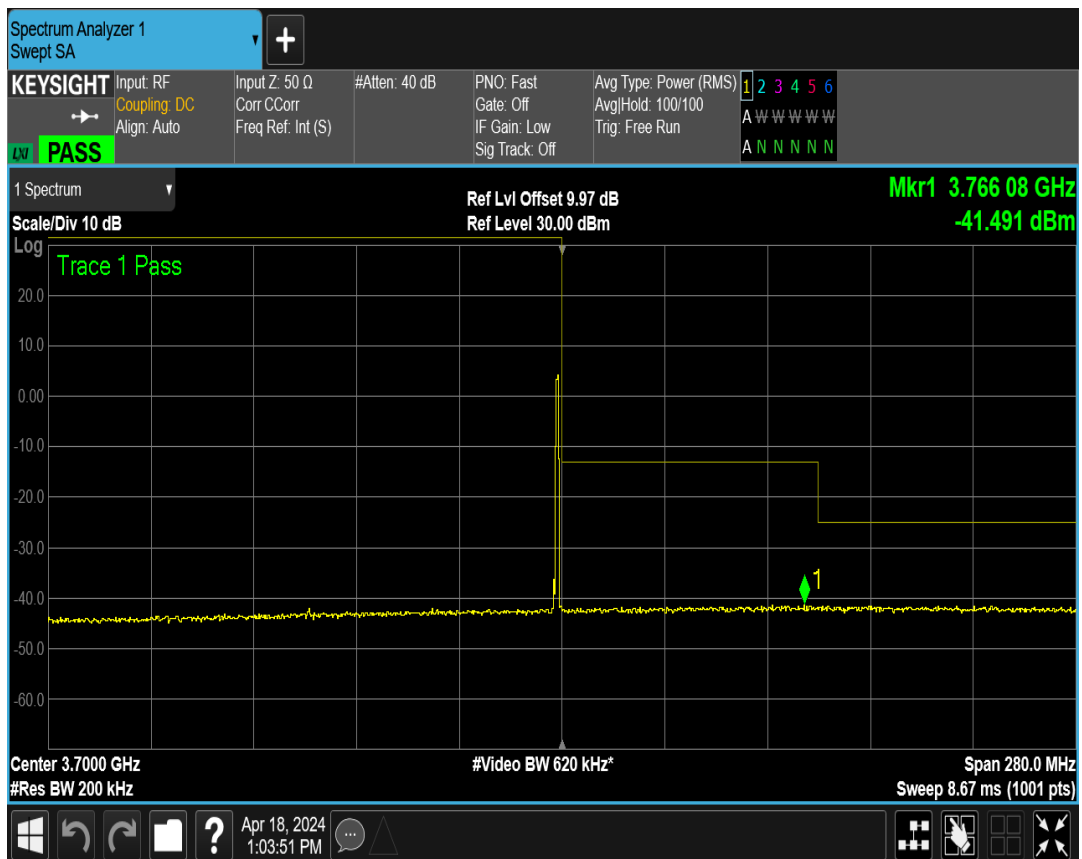
n78(3550-3700) SCS=30kHz DFT_QPSK BW=70MHz Channel=639000 RB=1@0



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



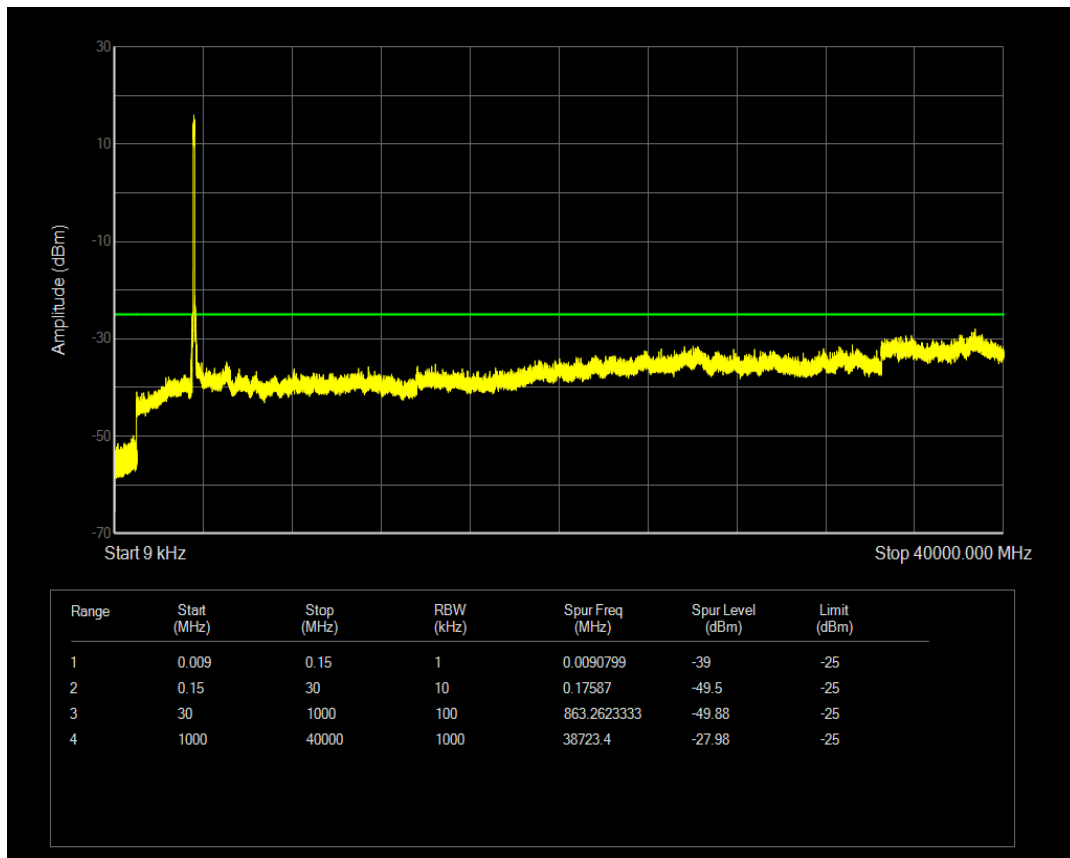
n78(3550-3700) SCS=30kHz DFT_QPSK BW=70MHz Channel=644332 RB=1@188



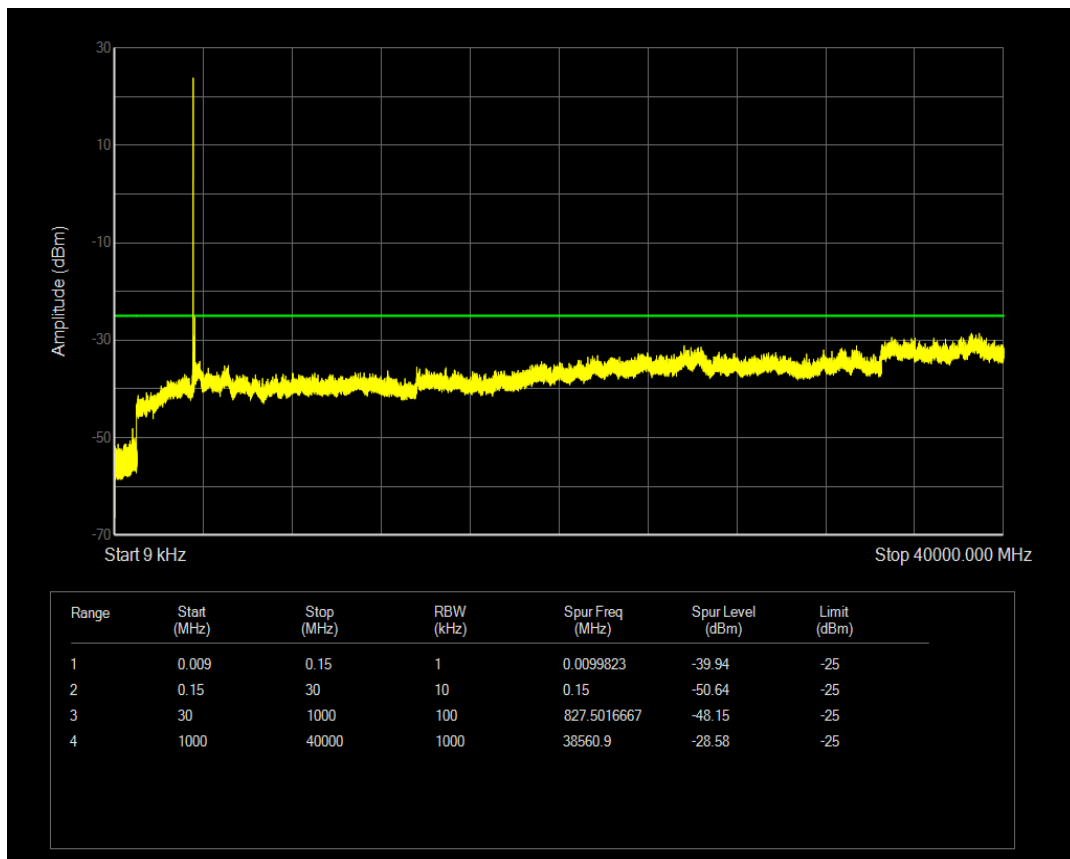
6 Out-of-band emissions for NR FR1

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	38723.40	-27.98	-25	PASS
n78(3550-3700)	30	70	639000	1@0	DFT_QPSK	38560.90	-28.58	-25	PASS
n78(3550-3700)	30	70	639000	1@188	DFT_QPSK	38553.10	-27.50	-25	PASS
n78(3550-3700)	30	70	641666	180@0	DFT_QPSK	38612.90	-28.49	-25	PASS
n78(3550-3700)	30	70	641666	1@0	DFT_QPSK	38843.00	-28.06	-25	PASS
n78(3550-3700)	30	70	641666	1@188	DFT_QPSK	38757.20	-28.61	-25	PASS
n78(3550-3700)	30	70	644332	180@0	DFT_QPSK	38074.70	-27.74	-25	PASS
n78(3550-3700)	30	70	644332	1@0	DFT_QPSK	38554.40	-28.39	-25	PASS
n78(3550-3700)	30	70	644332	1@188	DFT_QPSK	38549.20	-28.72	-25	PASS

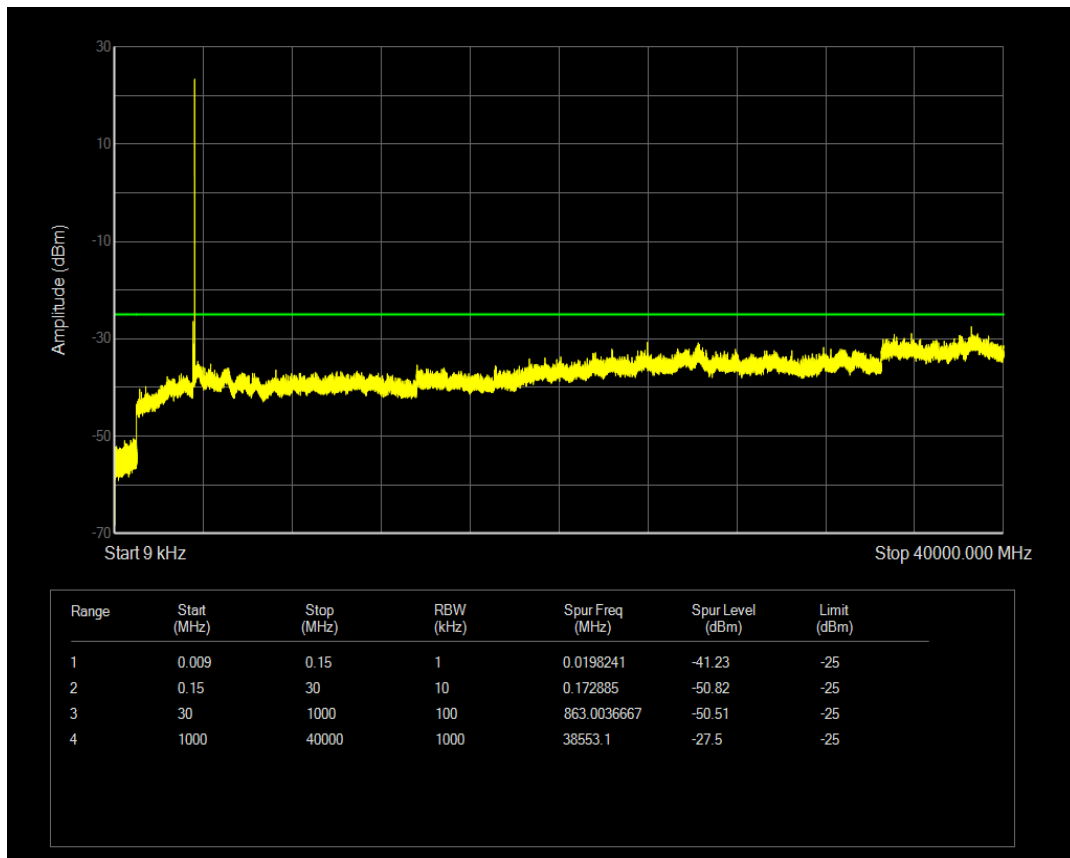
n78(3550-3700) SCS=30kHz DFT_QPSK BW=70MHz Channel=639000 RB=180@0



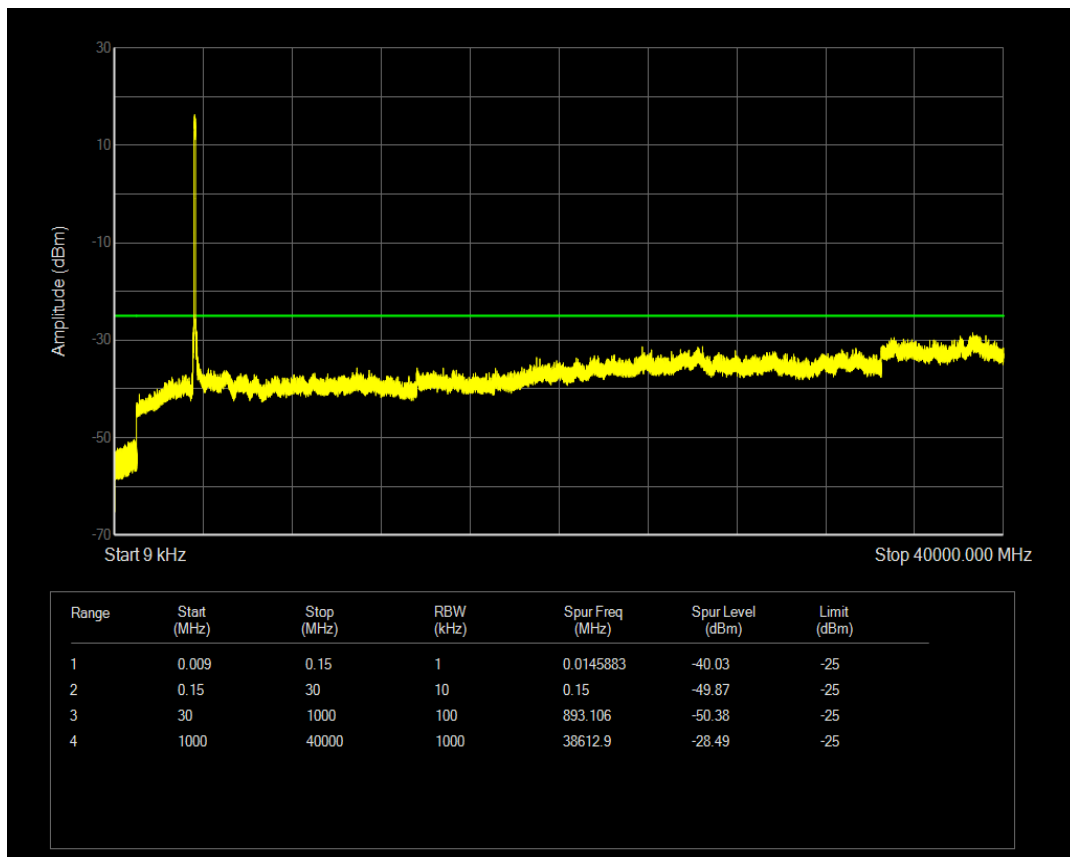
n78(3550-3700) SCS=30kHz DFT_QPSK BW=70MHz Channel=639000 RB=1@0



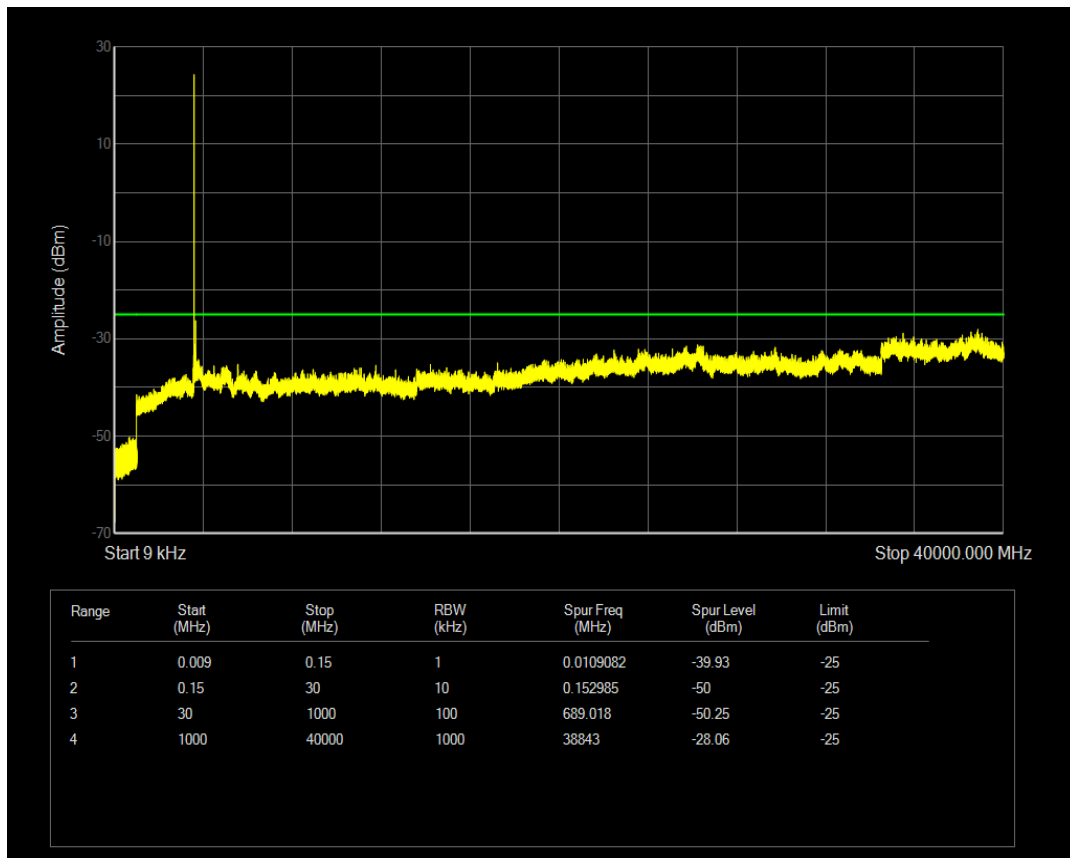
n78(3550-3700) SCS=30kHz DFT_QPSK BW=70MHz Channel=639000 RB=1@188



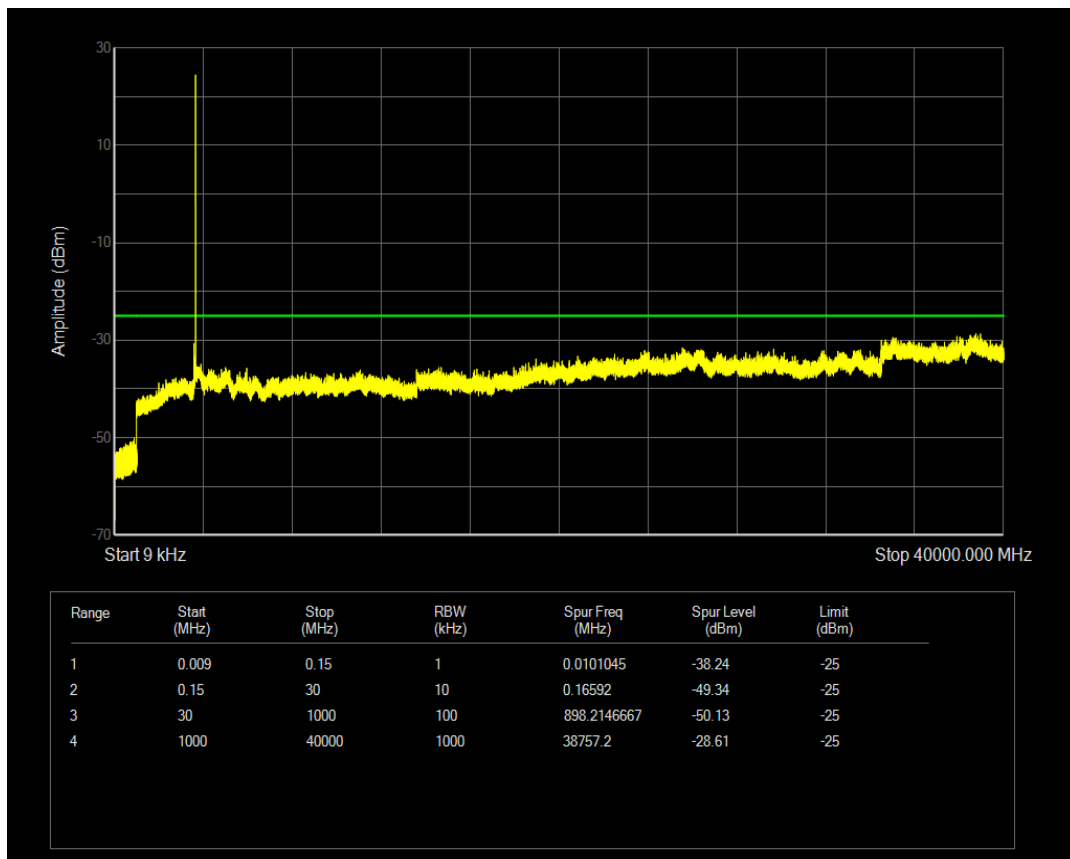
n78(3550-3700) SCS=30kHz DFT_QPSK BW=70MHz Channel=641666 RB=180@0



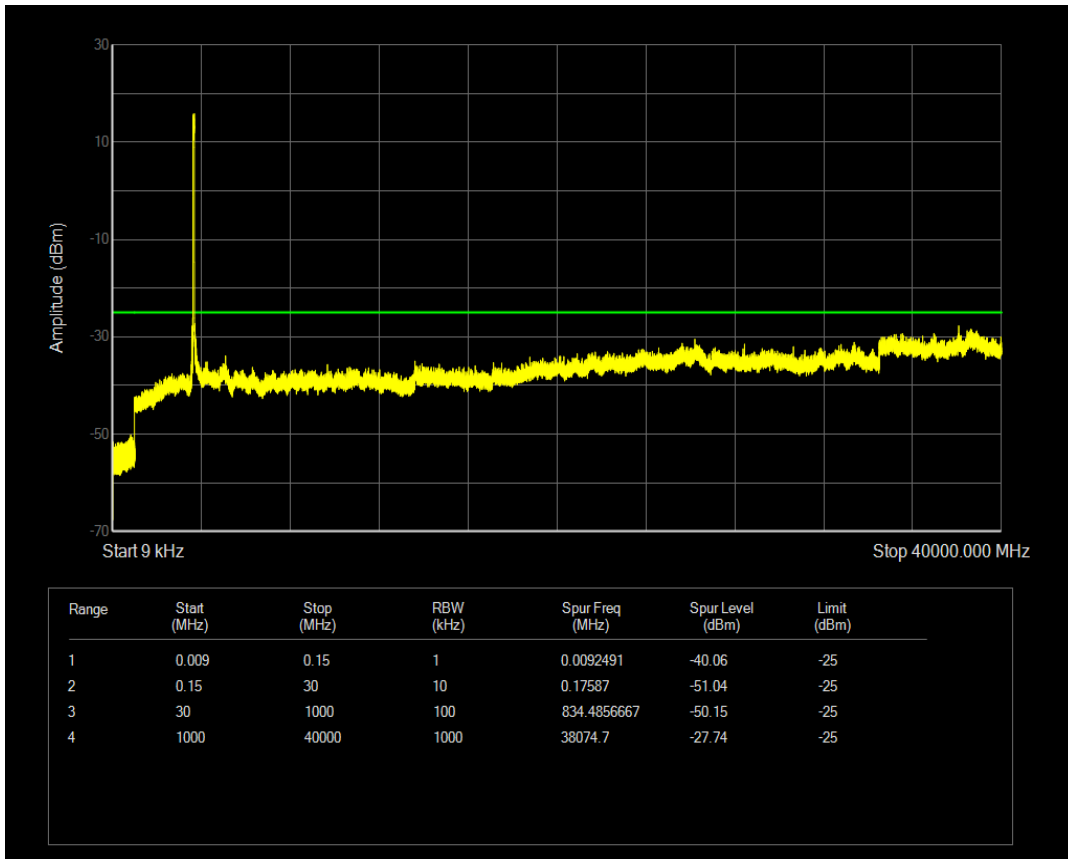
n78(3550-3700) SCS=30kHz DFT_QPSK BW=70MHz Channel=641666 RB=1@0



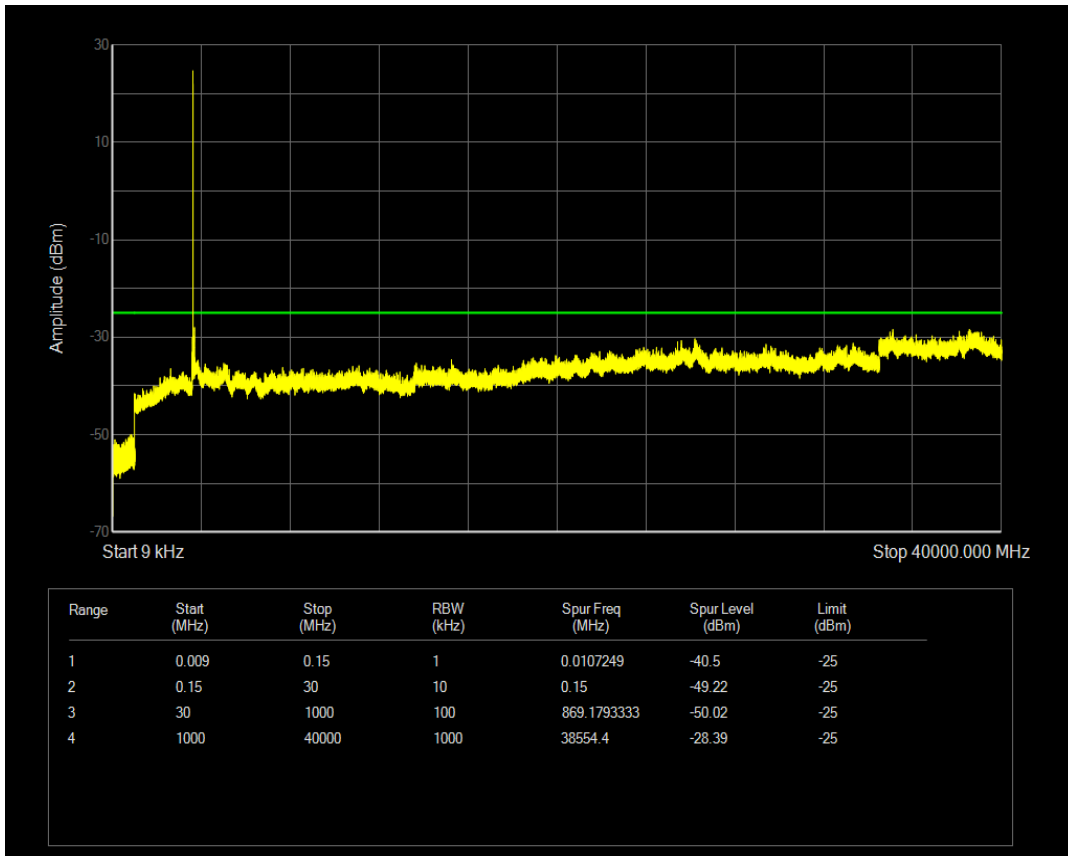
n78(3550-3700) SCS=30kHz DFT_QPSK BW=70MHz Channel=641666 RB=1@188



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

