

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(3700-3800)	30	70	649000	90@45	DFT_BPSK	25.57	-0.7	24.87	33.01	PASS
n78(3700-3800)	30	70	649000	1@1	DFT_BPSK	25.40	-0.7	24.70	33.01	PASS
n78(3700-3800)	30	70	649000	1@187	DFT_BPSK	25.40	-0.7	24.70	33.01	PASS
n78(3700-3800)	30	70	649000	90@45	DFT_QPSK	25.59	-0.7	24.89	33.01	PASS
n78(3700-3800)	30	70	649000	1@1	DFT_QPSK	25.41	-0.7	24.71	33.01	PASS
n78(3700-3800)	30	70	649000	1@187	DFT_QPSK	25.30	-0.7	24.60	33.01	PASS
n78(3700-3800)	30	70	649000	90@45	DFT_QAM16	24.55	-0.7	23.85	33.01	PASS
n78(3700-3800)	30	70	649000	1@1	DFT_QAM16	24.34	-0.7	23.64	33.01	PASS
n78(3700-3800)	30	70	649000	1@187	DFT_QAM16	24.37	-0.7	23.67	33.01	PASS
n78(3700-3800)	30	70	649000	90@45	DFT_QAM64	23.13	-0.7	22.43	33.01	PASS
n78(3700-3800)	30	70	649000	1@1	DFT_QAM64	22.81	-0.7	22.11	33.01	PASS
n78(3700-3800)	30	70	649000	1@187	DFT_QAM64	22.88	-0.7	22.18	33.01	PASS
n78(3700-3800)	30	70	649000	90@45	DFT_QAM256	21.10	-0.7	20.40	33.01	PASS
n78(3700-3800)	30	70	649000	1@1	DFT_QAM256	20.97	-0.7	20.27	33.01	PASS
n78(3700-3800)	30	70	649000	1@187	DFT_QAM256	20.98	-0.7	20.28	33.01	PASS
n78(3700-3800)	30	70	649000	95@47	CP_QPSK	24.07	-0.7	23.37	33.01	PASS
n78(3700-3800)	30	70	649000	1@1	CP_QPSK	23.74	-0.7	23.04	33.01	PASS
n78(3700-3800)	30	70	649000	1@187	CP_QPSK	23.76	-0.7	23.06	33.01	PASS
n78(3700-3800)	30	70	649000	95@47	CP_QAM16	23.51	-0.7	22.81	33.01	PASS
n78(3700-3800)	30	70	649000	1@1	CP_QAM16	23.41	-0.7	22.71	33.01	PASS
n78(3700-3800)	30	70	649000	1@187	CP_QAM16	23.71	-0.7	23.01	33.01	PASS
n78(3700-3800)	30	70	649000	95@47	CP_QAM64	22.12	-0.7	21.42	33.01	PASS
n78(3700-3800)	30	70	649000	1@1	CP_QAM64	22.22	-0.7	21.52	33.01	PASS
n78(3700-3800)	30	70	649000	1@187	CP_QAM64	22.16	-0.7	21.46	33.01	PASS
n78(3700-3800)	30	70	649000	95@47	CP_QAM256	19.08	-0.7	18.38	33.01	PASS
n78(3700-3800)	30	70	649000	1@1	CP_QAM256	18.79	-0.7	18.09	33.01	PASS
n78(3700-3800)	30	70	649000	1@187	CP_QAM256	18.90	-0.7	18.20	33.01	PASS
n78(3700-3800)	30	70	650000	90@45	DFT_BPSK	25.54	-0.7	24.84	33.01	PASS
n78(3700-3800)	30	70	650000	1@1	DFT_BPSK	25.60	-0.7	24.90	33.01	PASS
n78(3700-3800)	30	70	650000	1@187	DFT_BPSK	25.44	-0.7	24.74	33.01	PASS
n78(3700-3800)	30	70	650000	90@45	DFT_QPSK	25.54	-0.7	24.84	33.01	PASS
n78(3700-3800)	30	70	650000	1@1	DFT_QPSK	25.52	-0.7	24.82	33.01	PASS
n78(3700-3800)	30	70	650000	1@187	DFT_QPSK	25.33	-0.7	24.63	33.01	PASS
n78(3700-3800)	30	70	650000	90@45	DFT_QAM16	24.52	-0.7	23.82	33.01	PASS
n78(3700-3800)	30	70	650000	1@1	DFT_QAM16	24.56	-0.7	23.86	33.01	PASS
n78(3700-3800)	30	70	650000	1@187	DFT_QAM16	24.41	-0.7	23.71	33.01	PASS
n78(3700-3800)	30	70	650000	90@45	DFT_QAM64	23.01	-0.7	22.31	33.01	PASS
n78(3700-3800)	30	70	650000	1@1	DFT_QAM64	23.14	-0.7	22.44	33.01	PASS

n78(3700-3800)	30	70	650000	1@187	DFT_QAM64	22.89	-0.7	22.19	33.01	PASS
n78(3700-3800)	30	70	650000	90@45	DFT_QAM256	21.06	-0.7	20.36	33.01	PASS
n78(3700-3800)	30	70	650000	1@1	DFT_QAM256	21.22	-0.7	20.52	33.01	PASS
n78(3700-3800)	30	70	650000	1@187	DFT_QAM256	21.06	-0.7	20.36	33.01	PASS
n78(3700-3800)	30	70	650000	95@47	CP_QPSK	24.01	-0.7	23.31	33.01	PASS
n78(3700-3800)	30	70	650000	1@1	CP_QPSK	23.96	-0.7	23.26	33.01	PASS
n78(3700-3800)	30	70	650000	1@187	CP_QPSK	23.82	-0.7	23.12	33.01	PASS
n78(3700-3800)	30	70	650000	95@47	CP_QAM16	23.44	-0.7	22.74	33.01	PASS
n78(3700-3800)	30	70	650000	1@1	CP_QAM16	23.94	-0.7	23.24	33.01	PASS
n78(3700-3800)	30	70	650000	1@187	CP_QAM16	23.75	-0.7	23.05	33.01	PASS
n78(3700-3800)	30	70	650000	95@47	CP_QAM64	22.06	-0.7	21.36	33.01	PASS
n78(3700-3800)	30	70	650000	1@1	CP_QAM64	22.56	-0.7	21.86	33.01	PASS
n78(3700-3800)	30	70	650000	1@187	CP_QAM64	22.34	-0.7	21.64	33.01	PASS
n78(3700-3800)	30	70	650000	95@47	CP_QAM256	19.05	-0.7	18.35	33.01	PASS
n78(3700-3800)	30	70	650000	1@1	CP_QAM256	19.15	-0.7	18.45	33.01	PASS
n78(3700-3800)	30	70	650000	1@187	CP_QAM256	19.01	-0.7	18.31	33.01	PASS
n78(3700-3800)	30	70	651000	90@45	DFT_BPSK	25.52	-0.7	24.82	33.01	PASS
n78(3700-3800)	30	70	651000	1@1	DFT_BPSK	25.51	-0.7	24.81	33.01	PASS
n78(3700-3800)	30	70	651000	1@187	DFT_BPSK	25.42	-0.7	24.72	33.01	PASS
n78(3700-3800)	30	70	651000	90@45	DFT_QPSK	25.47	-0.7	24.77	33.01	PASS
n78(3700-3800)	30	70	651000	1@1	DFT_QPSK	25.40	-0.7	24.70	33.01	PASS
n78(3700-3800)	30	70	651000	1@187	DFT_QPSK	25.31	-0.7	24.61	33.01	PASS
n78(3700-3800)	30	70	651000	90@45	DFT_QAM16	24.47	-0.7	23.77	33.01	PASS
n78(3700-3800)	30	70	651000	1@1	DFT_QAM16	24.44	-0.7	23.74	33.01	PASS
n78(3700-3800)	30	70	651000	1@187	DFT_QAM16	24.36	-0.7	23.66	33.01	PASS
n78(3700-3800)	30	70	651000	90@45	DFT_QAM64	23.03	-0.7	22.33	33.01	PASS
n78(3700-3800)	30	70	651000	1@1	DFT_QAM64	22.92	-0.7	22.22	33.01	PASS
n78(3700-3800)	30	70	651000	1@187	DFT_QAM64	22.82	-0.7	22.12	33.01	PASS
n78(3700-3800)	30	70	651000	90@45	DFT_QAM256	21.02	-0.7	20.32	33.01	PASS
n78(3700-3800)	30	70	651000	1@1	DFT_QAM256	21.19	-0.7	20.49	33.01	PASS
n78(3700-3800)	30	70	651000	1@187	DFT_QAM256	21.03	-0.7	20.33	33.01	PASS
n78(3700-3800)	30	70	651000	95@47	CP_QPSK	24.04	-0.7	23.34	33.01	PASS
n78(3700-3800)	30	70	651000	1@1	CP_QPSK	23.86	-0.7	23.16	33.01	PASS
n78(3700-3800)	30	70	651000	1@187	CP_QPSK	23.77	-0.7	23.07	33.01	PASS
n78(3700-3800)	30	70	651000	95@47	CP_QAM16	23.42	-0.7	22.72	33.01	PASS
n78(3700-3800)	30	70	651000	1@1	CP_QAM16	23.85	-0.7	23.15	33.01	PASS
n78(3700-3800)	30	70	651000	1@187	CP_QAM16	23.73	-0.7	23.03	33.01	PASS
n78(3700-3800)	30	70	651000	95@47	CP_QAM64	22.01	-0.7	21.31	33.01	PASS
n78(3700-3800)	30	70	651000	1@1	CP_QAM64	22.45	-0.7	21.75	33.01	PASS
n78(3700-3800)	30	70	651000	1@187	CP_QAM64	22.11	-0.7	21.41	33.01	PASS
n78(3700-3800)	30	70	651000	95@47	CP_QAM256	19.12	-0.7	18.42	33.01	PASS
n78(3700-3800)	30	70	651000	1@1	CP_QAM256	19.00	-0.7	18.30	33.01	PASS
n78(3700-3800)	30	70	651000	1@187	CP_QAM256	18.86	-0.7	18.16	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(3700-3800)	30	70	656000	90@45	DFT_BPSK	3.45	-19.23	-0.01	Within authorized band for 5G NR n78	PASS
n78(3700-3800)	30	70	656000	90@45	DFT_BPSK	3.85	-22.96	-0.01		PASS
n78(3700-3800)	30	70	656000	90@45	DFT_BPSK	4.40	-16.60	0.00		PASS
n78(3700-3800)	30	70	656000	90@45	DFT_QPSK	3.45	-19.69	-0.01		PASS
n78(3700-3800)	30	70	656000	90@45	DFT_QPSK	3.85	-23.13	-0.01		PASS
n78(3700-3800)	30	70	656000	90@45	DFT_QPSK	4.40	-22.26	-0.01		PASS

Note: Only the worst case shown in the report.

NV:

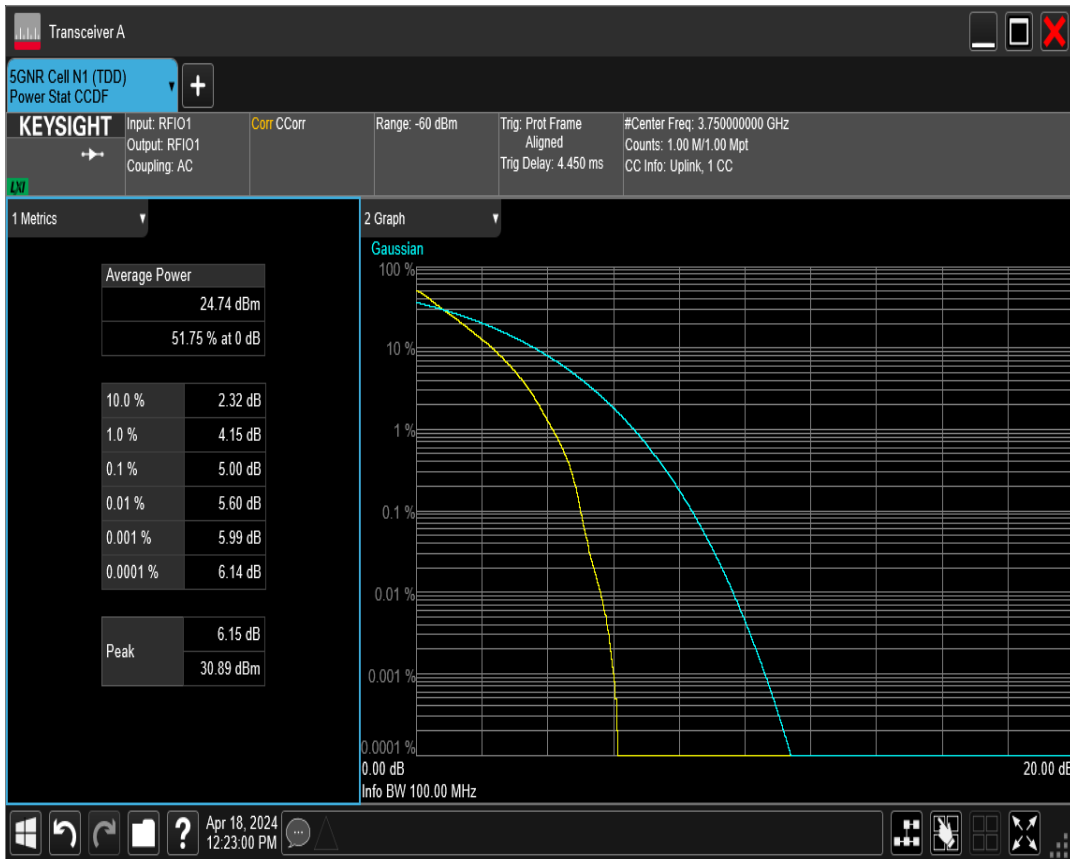
Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Voltage (Vdc)	Result(Hz)	Result (ppm)	Limit (ppm)	Verdict
n78(3700-3800)	30	70	656000	90@45	DFT_BPSK	-30	-26.31	-0.01	Within authorized band for 5G NR n78	PASS
n78(3700-3800)	30	70	656000	90@45	DFT_BPSK	-20	-26.66	-0.01		PASS
n78(3700-3800)	30	70	656000	90@45	DFT_BPSK	-10	-23.34	-0.01		PASS
n78(3700-3800)	30	70	656000	90@45	DFT_BPSK	0	-20.64	-0.01		PASS
n78(3700-3800)	30	70	656000	90@45	DFT_BPSK	10	-23.52	-0.01		PASS
n78(3700-3800)	30	70	656000	90@45	DFT_BPSK	20	-24.55	-0.01		PASS
n78(3700-3800)	30	70	656000	90@45	DFT_BPSK	30	-25.2	-0.01		PASS
n78(3700-3800)	30	70	656000	90@45	DFT_BPSK	40	-20.91	-0.01		PASS
n78(3700-3800)	30	70	656000	90@45	DFT_BPSK	50	-22.41	-0.01		PASS
n78(3700-3800)	30	70	656000	90@45	DFT_QPSK	-30	-24.79	-0.01		PASS
n78(3700-3800)	30	70	656000	90@45	DFT_QPSK	-20	-20.92	-0.01		PASS
n78(3700-3800)	30	70	656000	90@45	DFT_QPSK	-10	-23.3	-0.01		PASS
n78(3700-3800)	30	70	656000	90@45	DFT_QPSK	0	-21.76	-0.01		PASS
n78(3700-3800)	30	70	656000	90@45	DFT_QPSK	10	-23.66	-0.01		PASS
n78(3700-3800)	30	70	656000	90@45	DFT_QPSK	20	-21.45	-0.01		PASS
n78(3700-3800)	30	70	656000	90@45	DFT_QPSK	30	-22.91	-0.01		PASS
n78(3700-3800)	30	70	656000	90@45	DFT_QPSK	40	-26.39	-0.01	PASS	
n78(3700-3800)	30	70	656000	90@45	DFT_QPSK	50	-26.08	-0.01	PASS	

Note: Only the worst case shown in the report.

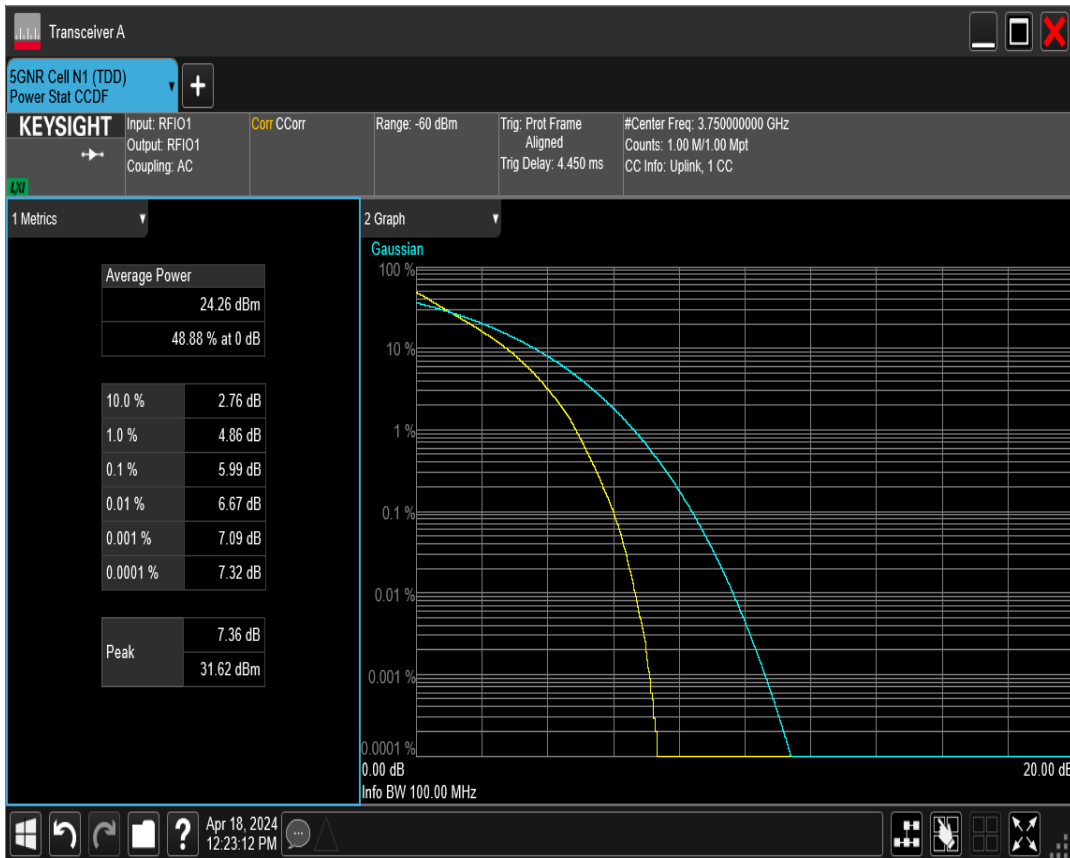
3 Peak-to-Average Ratio for NR FR1

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Result (dB)	high Limit (dB)	Verdict
n78(3700-3800)	30	70	650000	180@0	DFT_BPSK	5.00	13	PASS
n78(3700-3800)	30	70	650000	180@0	DFT_QPSK	5.99	13	PASS
n78(3700-3800)	30	70	650000	180@0	DFT_QAM16	6.77	13	PASS
n78(3700-3800)	30	70	650000	180@0	DFT_QAM64	6.97	13	PASS
n78(3700-3800)	30	70	650000	180@0	DFT_QAM256	7.13	13	PASS

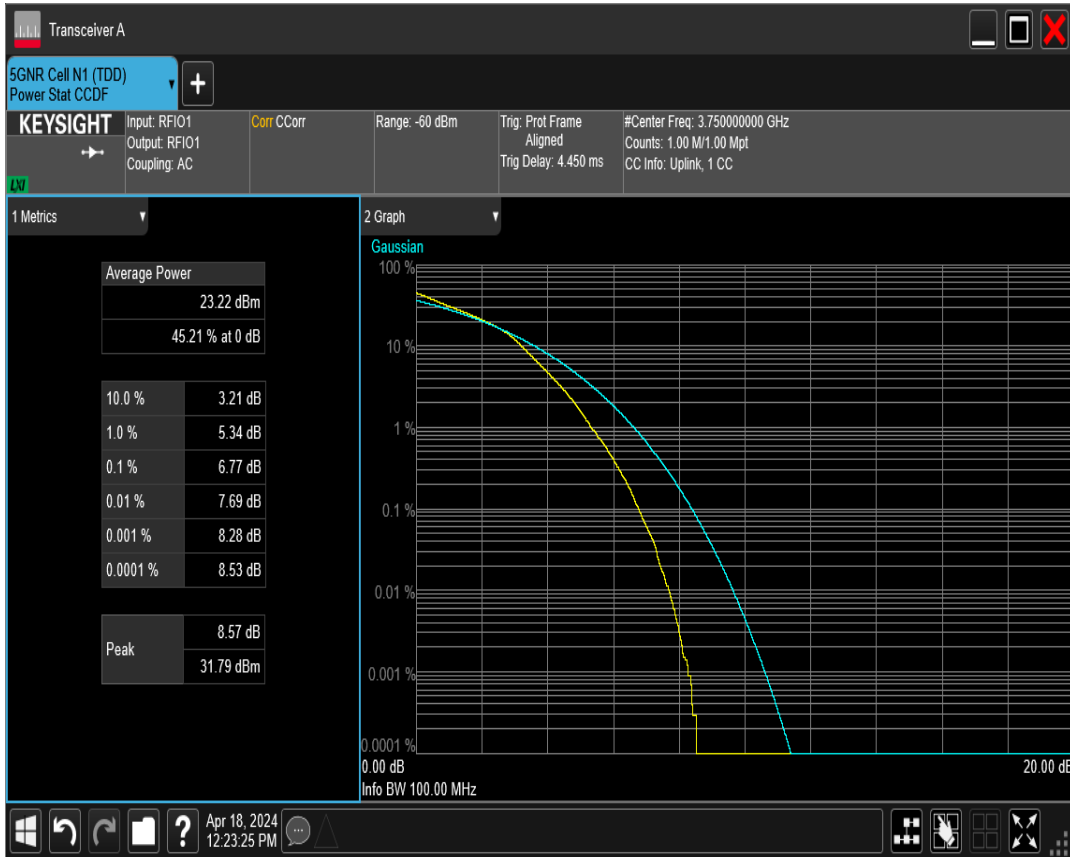
n78(3700-3800) SCS=30kHz DFT_BPSK BW=70MHz Channel=650000 RB=180@0



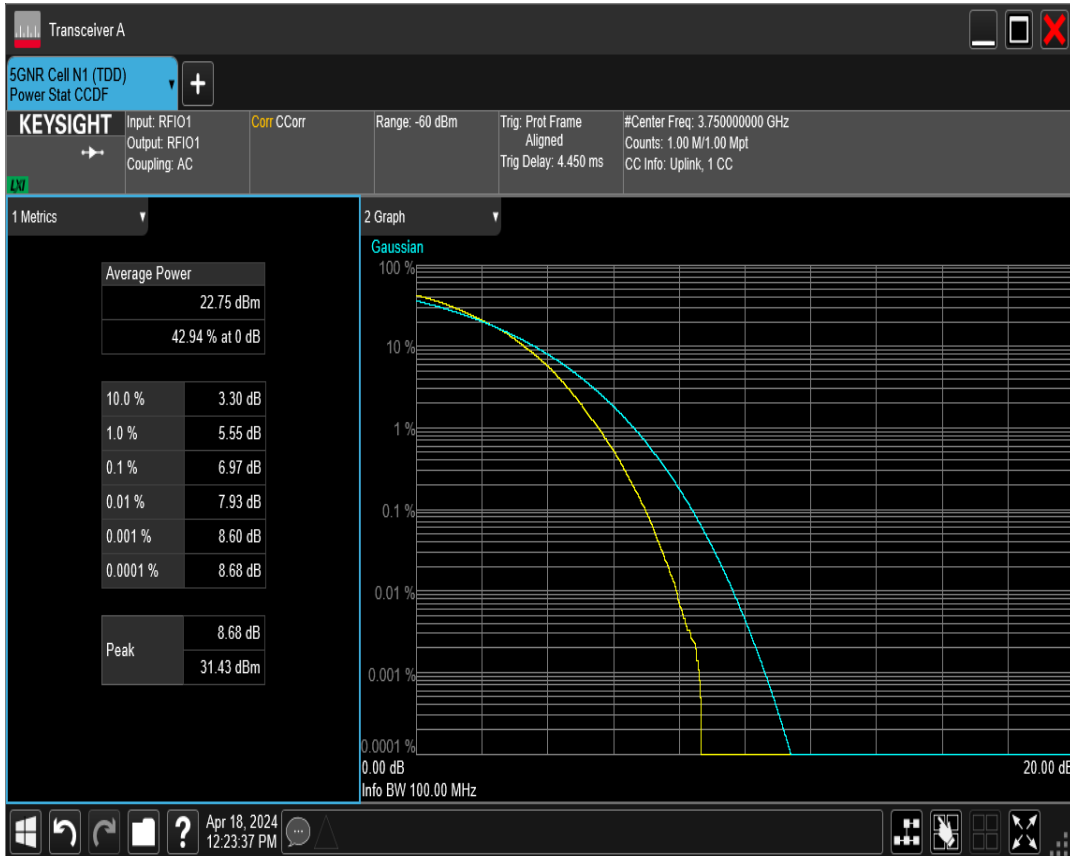
n78(3700-3800) SCS=30kHz DFT_QPSK BW=70MHz Channel=650000 RB=180@0



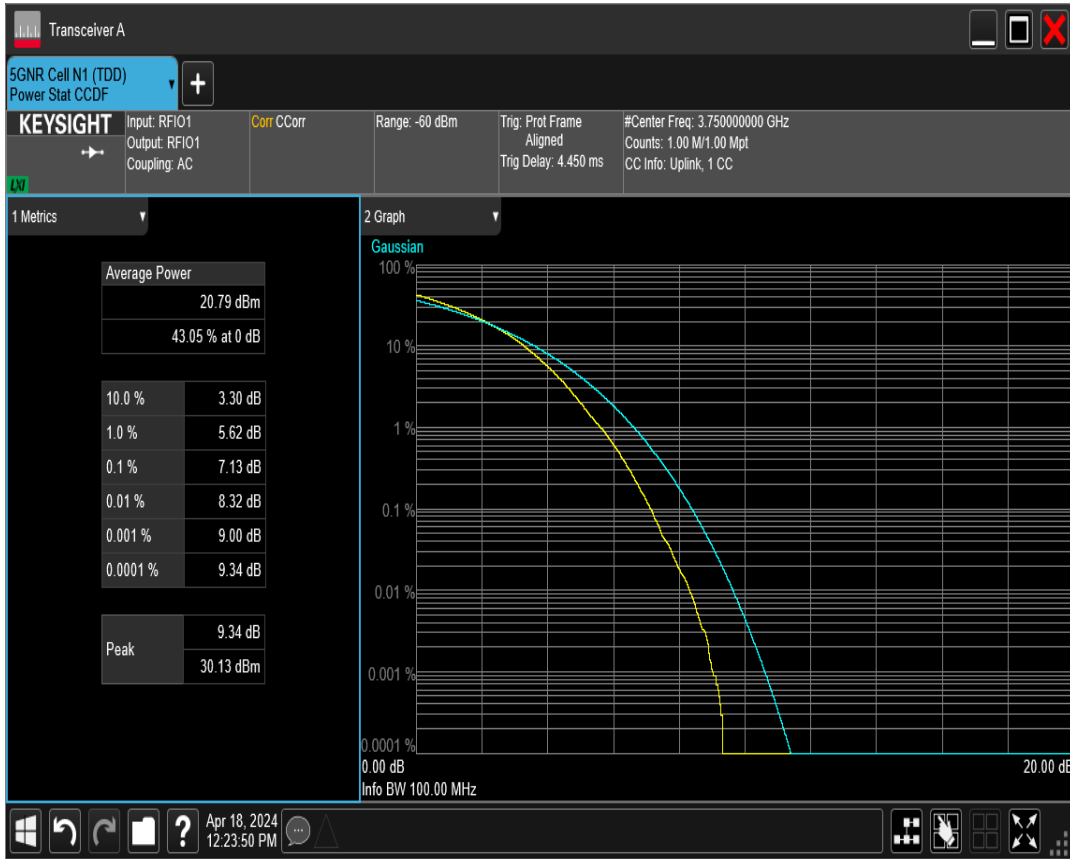
n78(3700-3800) SCS=30kHz DFT_QAM16 BW=70MHz Channel=650000 RB=180@0



n78(3700-3800) SCS=30kHz DFT_QAM64 BW=70MHz Channel=650000 RB=180@0



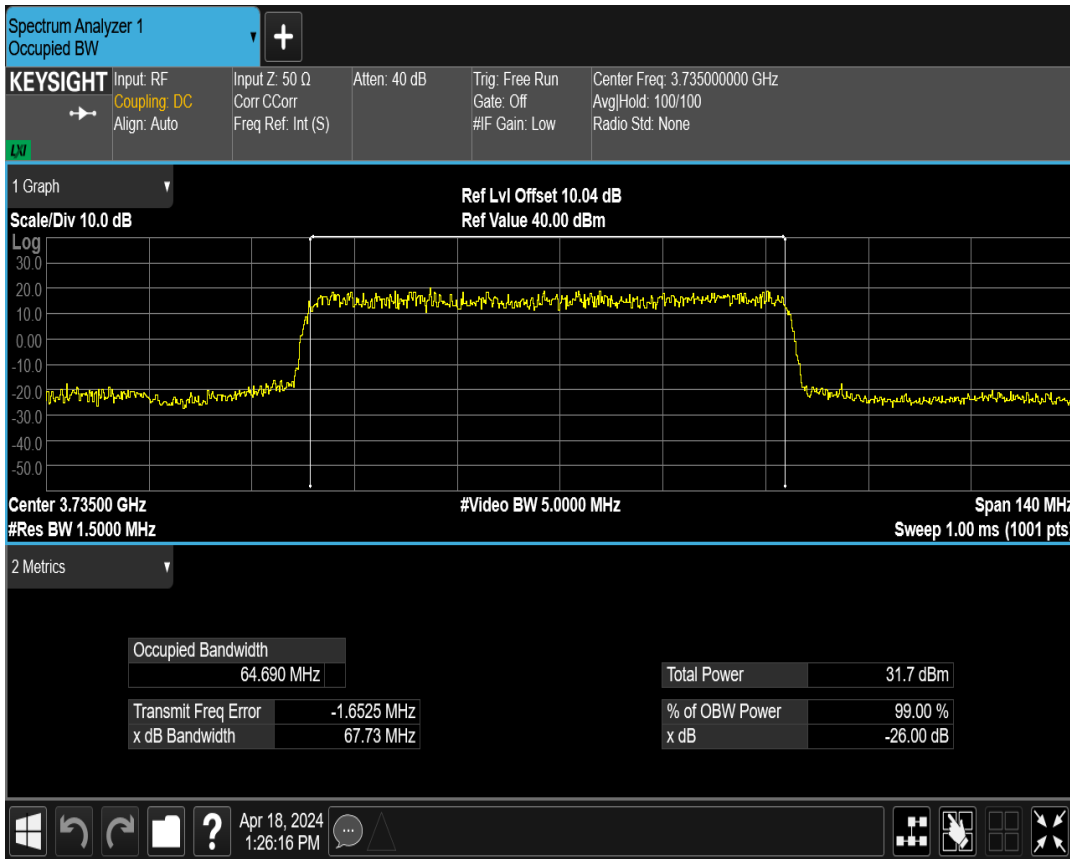
n78(3700-3800) SCS=30kHz DFT_QAM256 BW=70MHz Channel=650000 RB=180@0



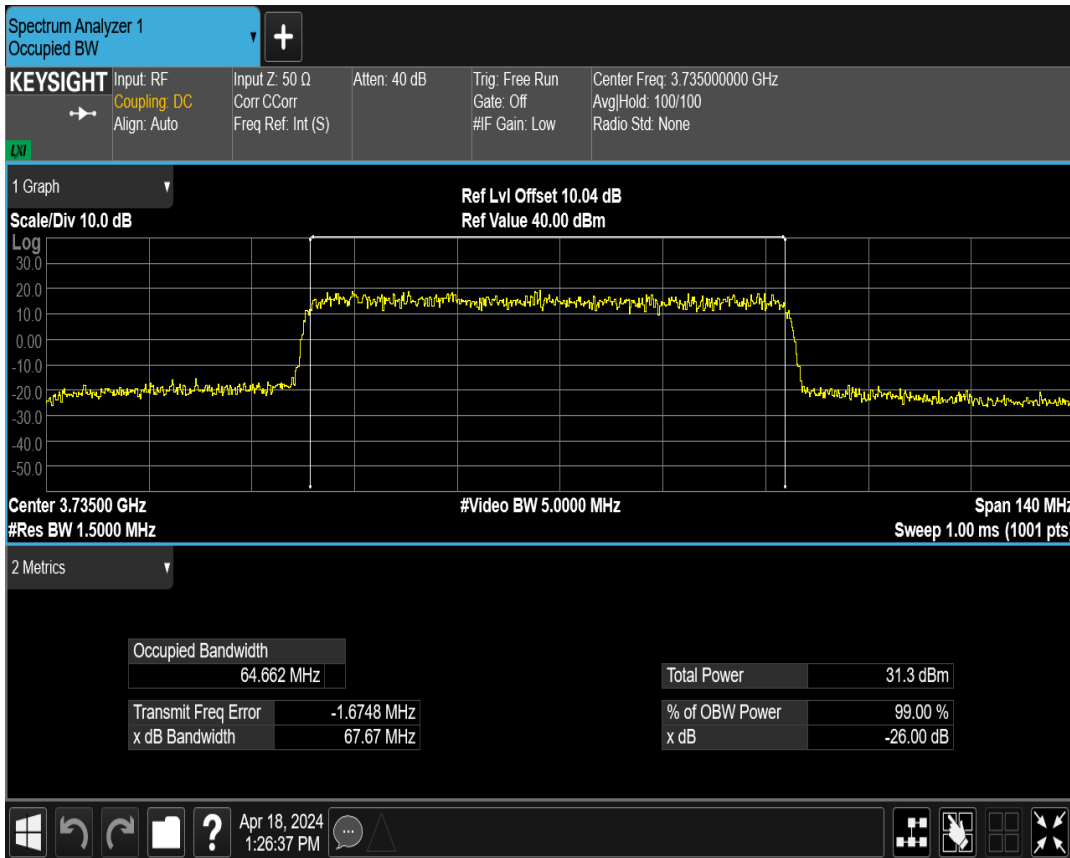
4 Occupied bandwidth for NR FR1

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
n78(3700-3800)	30	70	649000	180@0	DFT_BPSK	64.690	67.734	PASS
n78(3700-3800)	30	70	649000	180@0	DFT_QPSK	64.662	67.673	PASS
n78(3700-3800)	30	70	649000	180@0	DFT_QAM16	64.337	67.705	PASS
n78(3700-3800)	30	70	649000	180@0	DFT_QAM64	64.670	67.973	PASS
n78(3700-3800)	30	70	649000	180@0	DFT_QAM256	64.462	68.060	PASS
n78(3700-3800)	30	70	649000	189@0	CP_QPSK	67.312	71.298	PASS
n78(3700-3800)	30	70	650000	180@0	DFT_BPSK	64.444	68.030	PASS
n78(3700-3800)	30	70	650000	180@0	DFT_QPSK	64.314	67.850	PASS
n78(3700-3800)	30	70	650000	180@0	DFT_QAM16	64.255	67.863	PASS
n78(3700-3800)	30	70	650000	180@0	DFT_QAM64	64.422	67.624	PASS
n78(3700-3800)	30	70	650000	180@0	DFT_QAM256	64.330	67.323	PASS
n78(3700-3800)	30	70	650000	189@0	CP_QPSK	67.275	71.076	PASS
n78(3700-3800)	30	70	651000	180@0	DFT_BPSK	64.226	67.801	PASS
n78(3700-3800)	30	70	651000	180@0	DFT_QPSK	64.281	67.761	PASS
n78(3700-3800)	30	70	651000	180@0	DFT_QAM16	64.089	68.016	PASS
n78(3700-3800)	30	70	651000	180@0	DFT_QAM64	64.552	67.958	PASS
n78(3700-3800)	30	70	651000	180@0	DFT_QAM256	64.117	67.952	PASS
n78(3700-3800)	30	70	651000	189@0	CP_QPSK	67.738	71.050	PASS

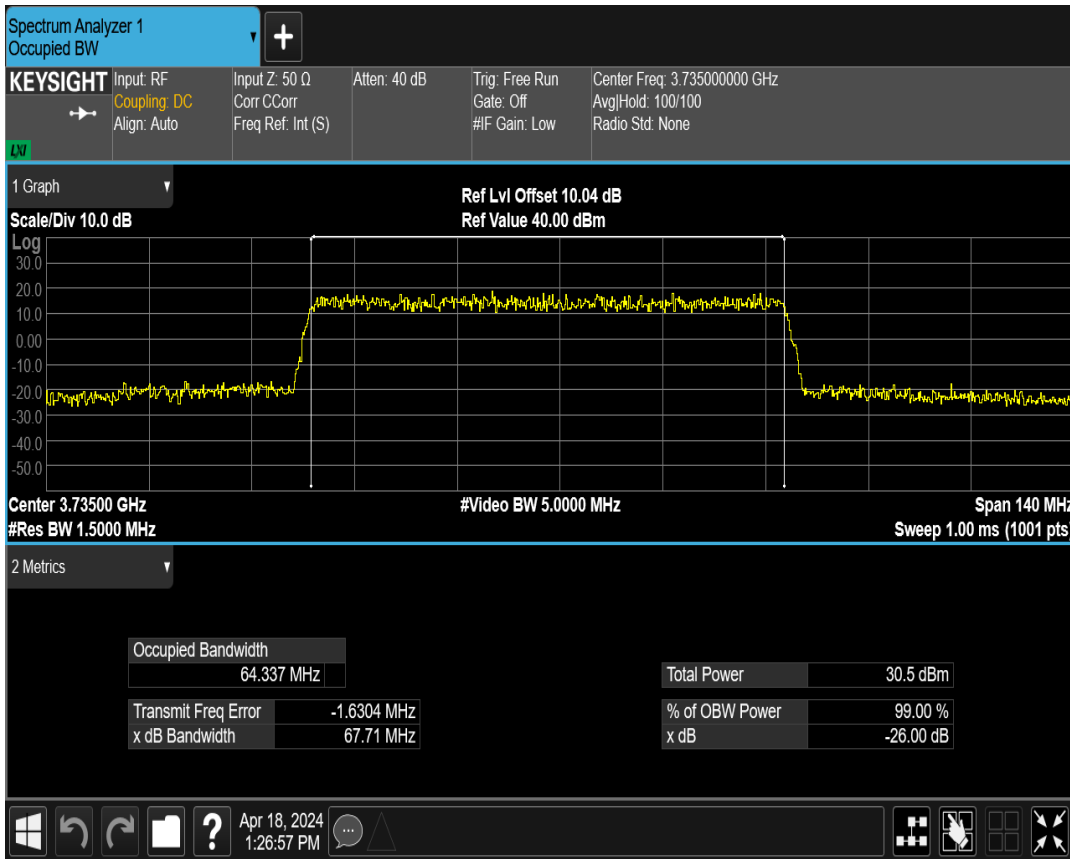
n78(3700-3800) SCS=30kHz DFT_BPSK BW=70MHz Channel=649000 RB=180@0



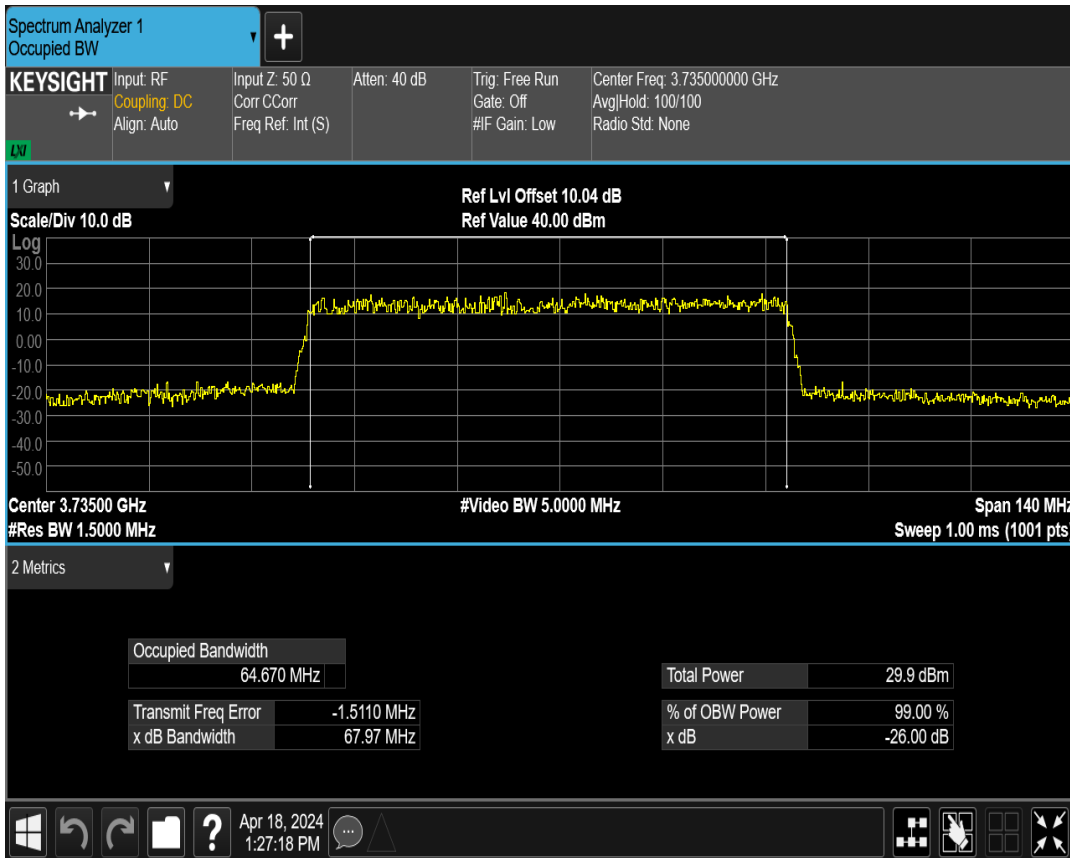
n78(3700-3800) SCS=30kHz DFT_QPSK BW=70MHz Channel=649000 RB=180@0



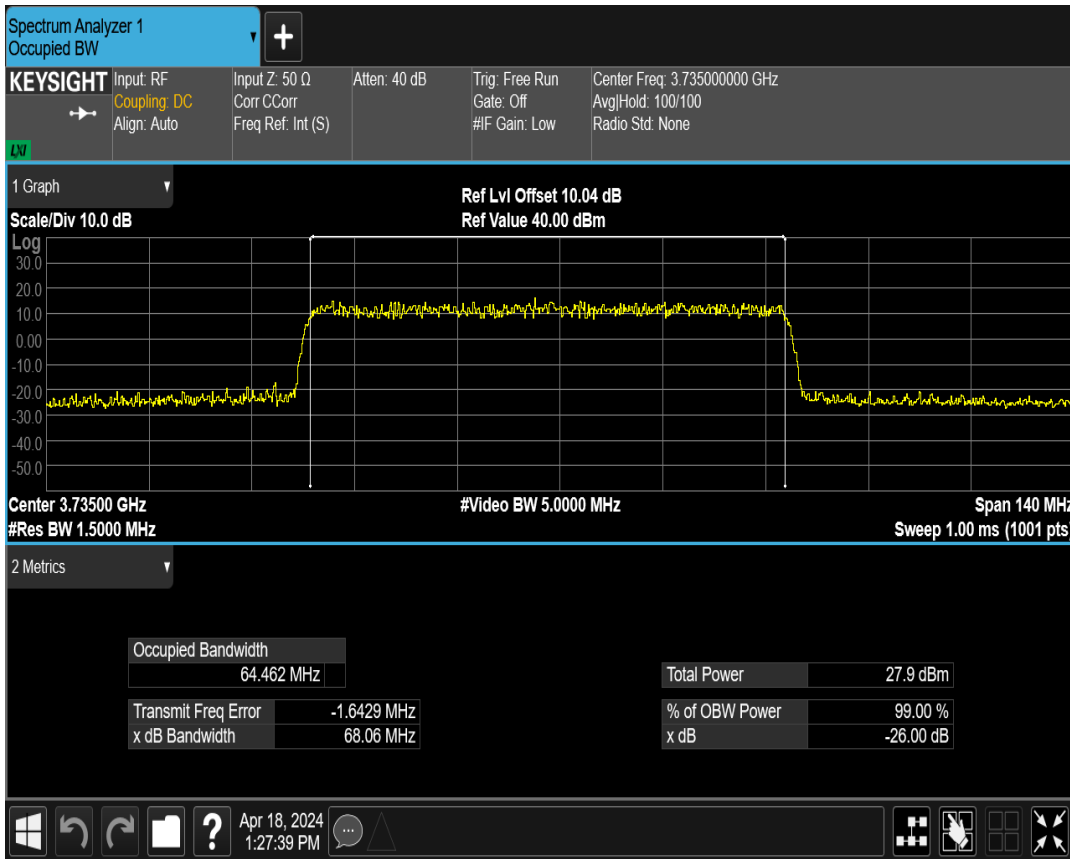
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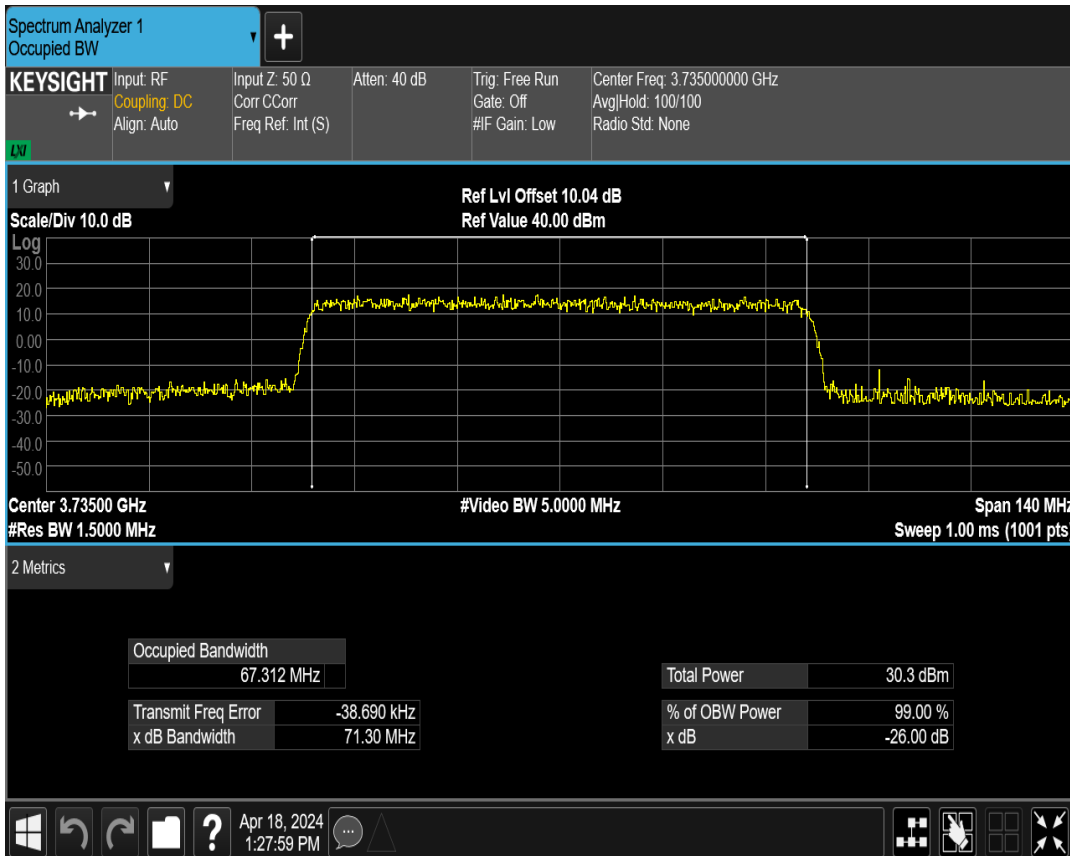
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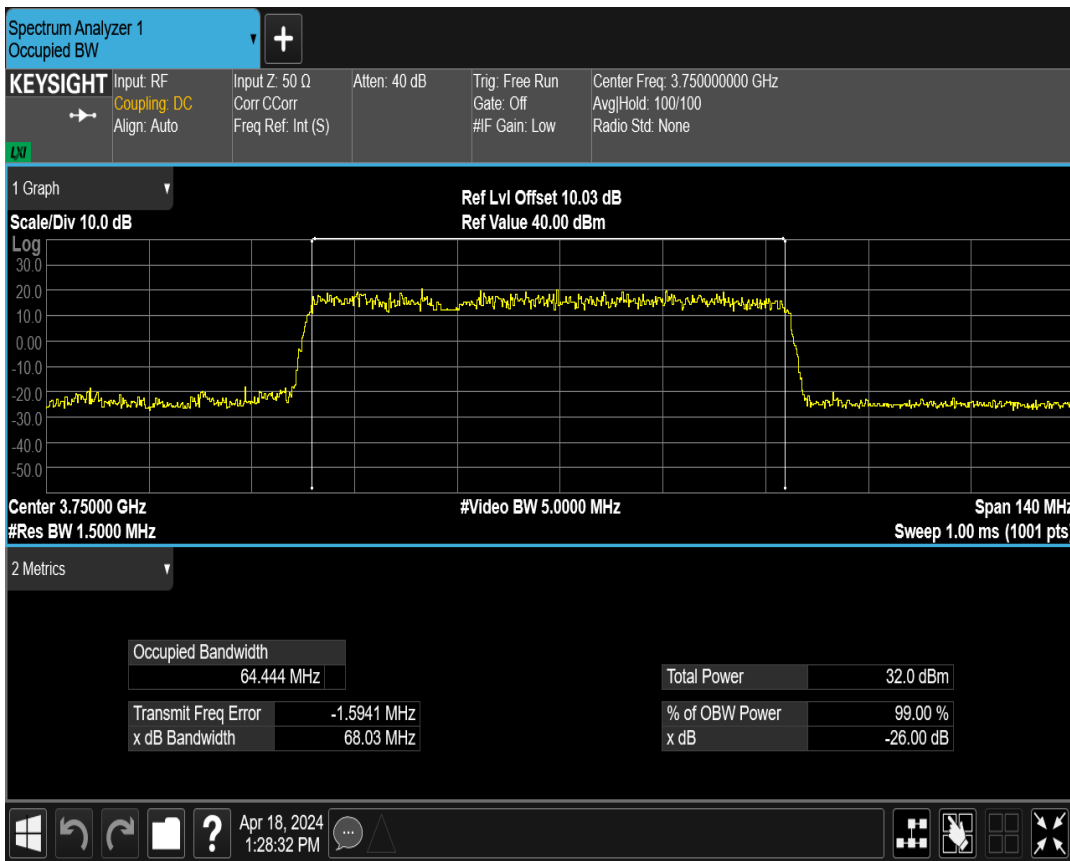
n78(3700-3800) SCS=30kHz DFT_QAM256 BW=70MHz Channel=649000 RB=180@0



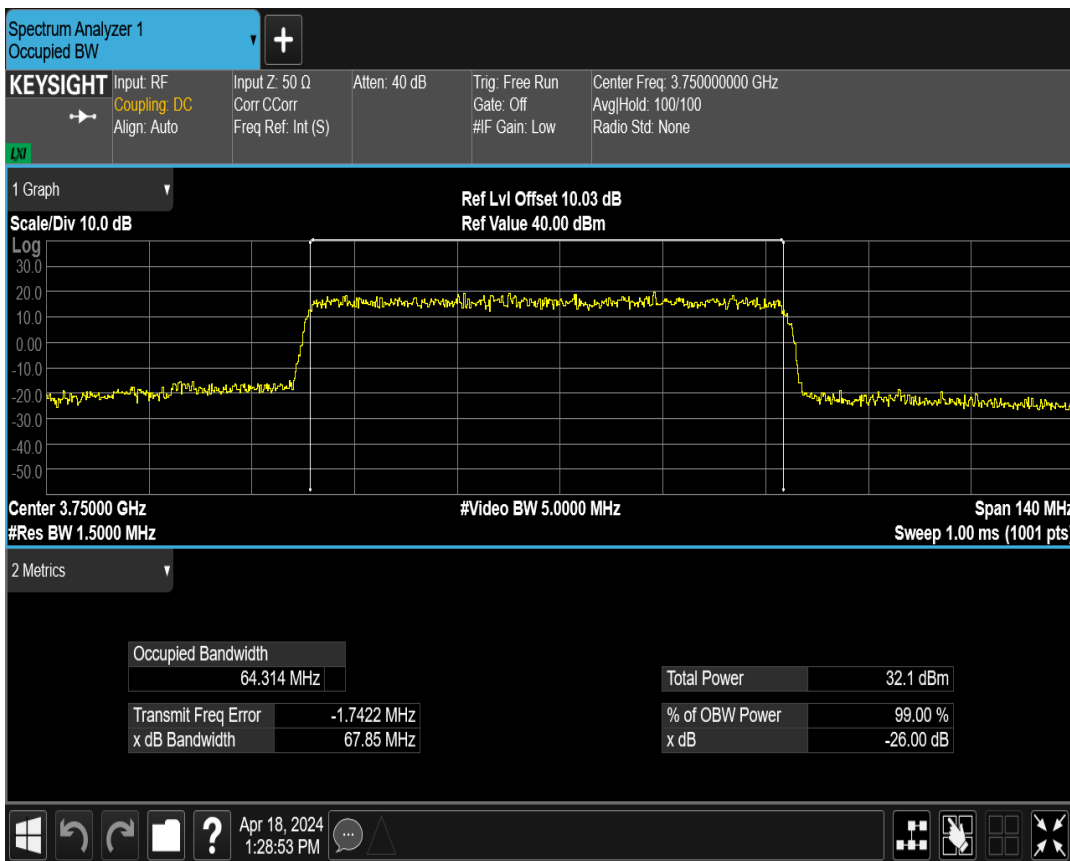
n78(3700-3800) SCS=30kHz CP_QPSK BW=70MHz Channel=649000 RB=189@0



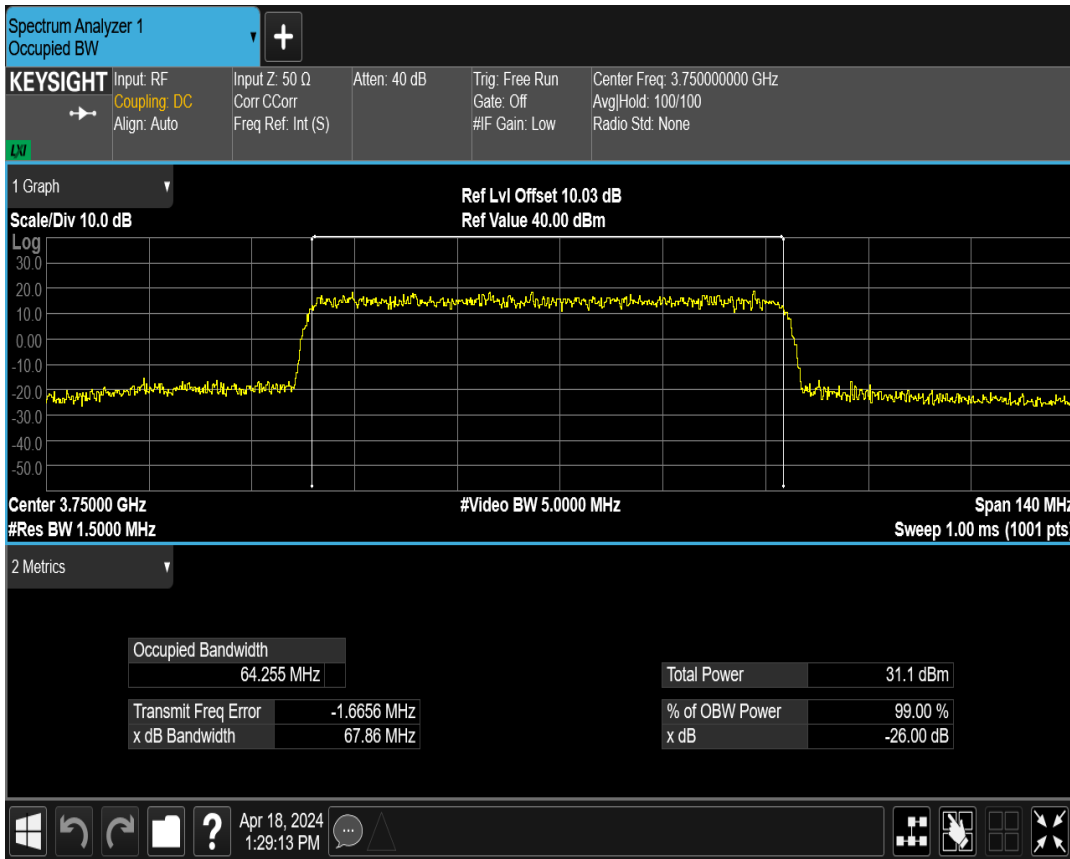
n78(3700-3800) SCS=30kHz DFT_BPSK BW=70MHz Channel=650000 RB=180@0



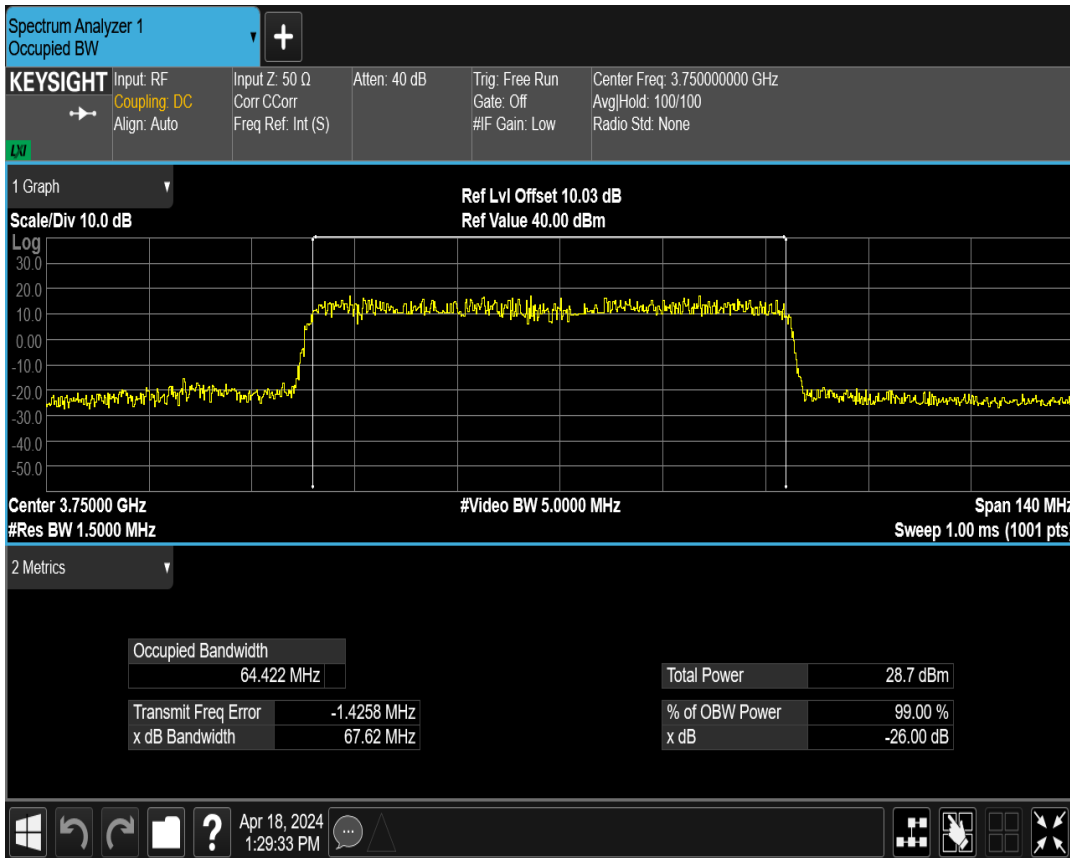
n78(3700-3800) SCS=30kHz DFT_QPSK BW=70MHz Channel=650000 RB=180@0



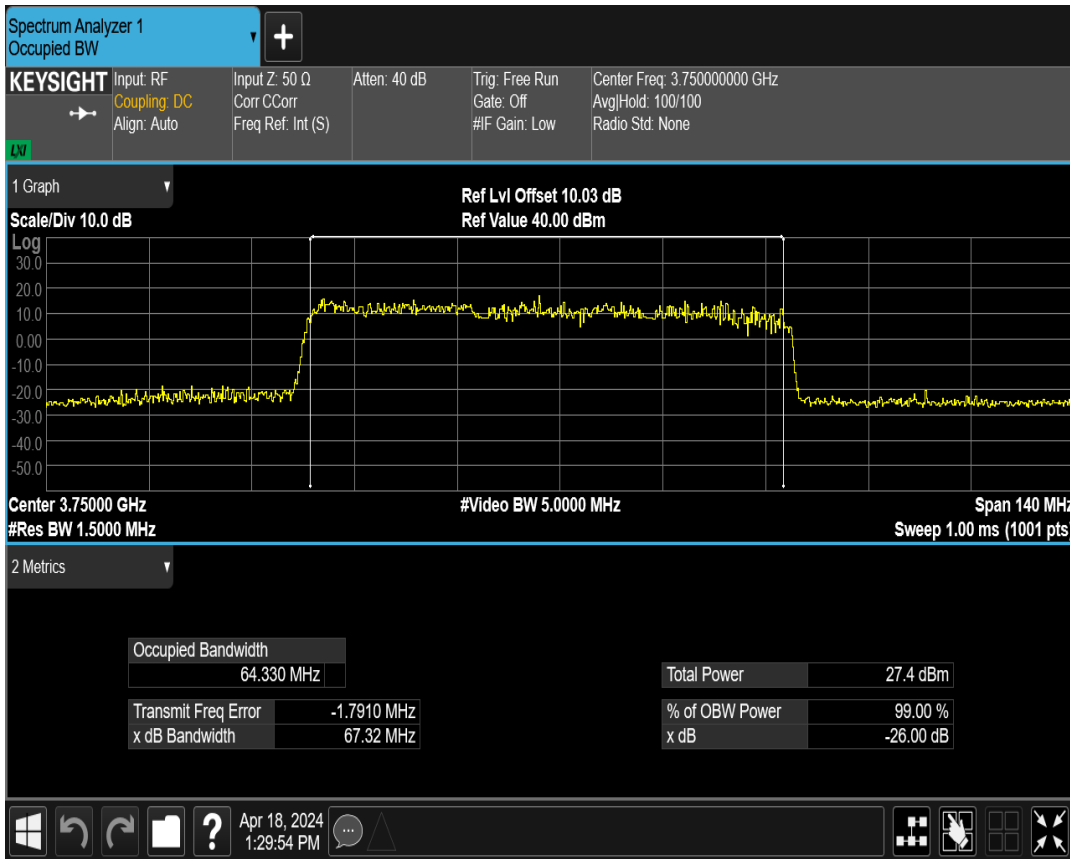
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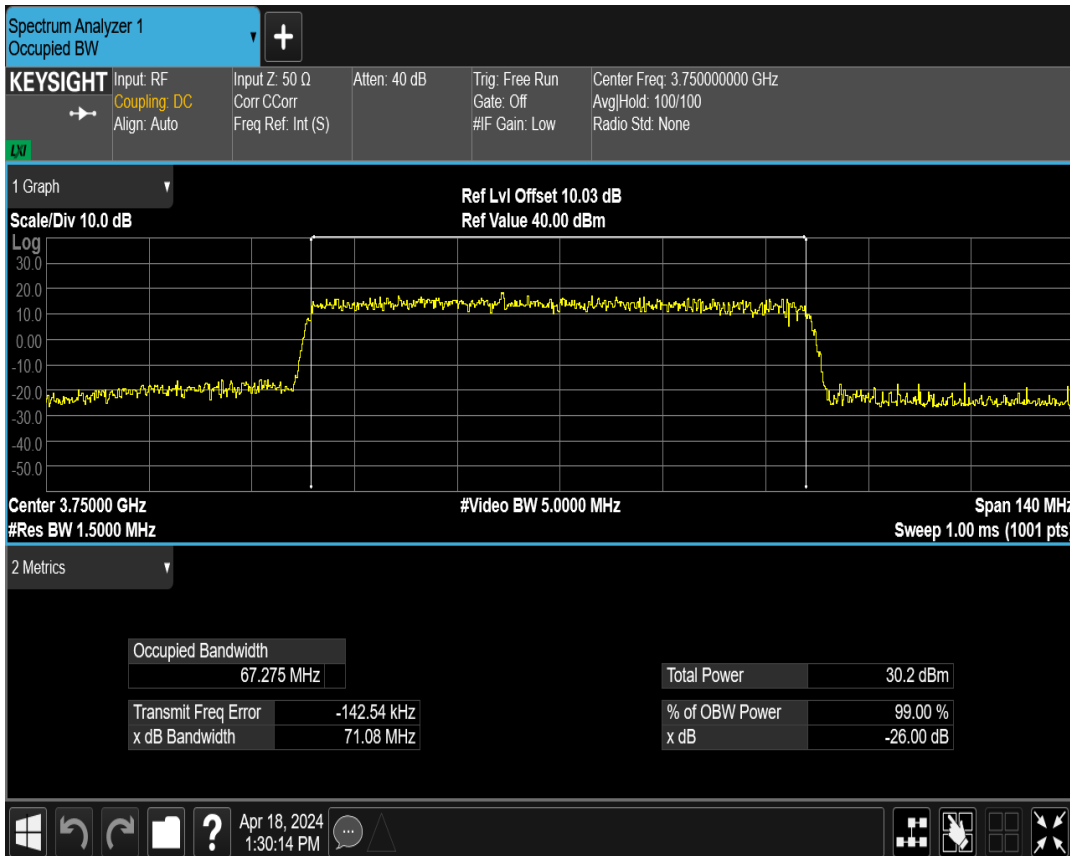
n78(3700-3800) SCS=30kHz DFT_QAM64 BW=70MHz Channel=650000 RB=180@0



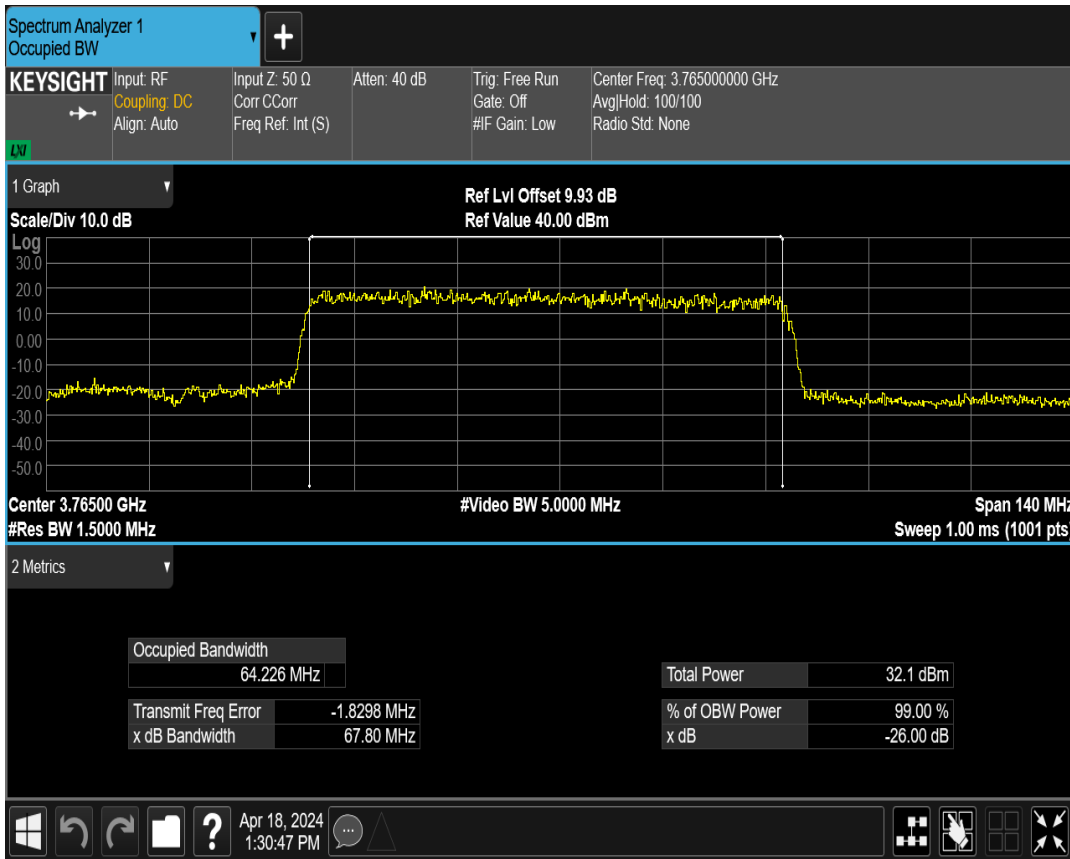
n78(3700-3800) SCS=30kHz DFT_QAM256 BW=70MHz Channel=650000 RB=180@0



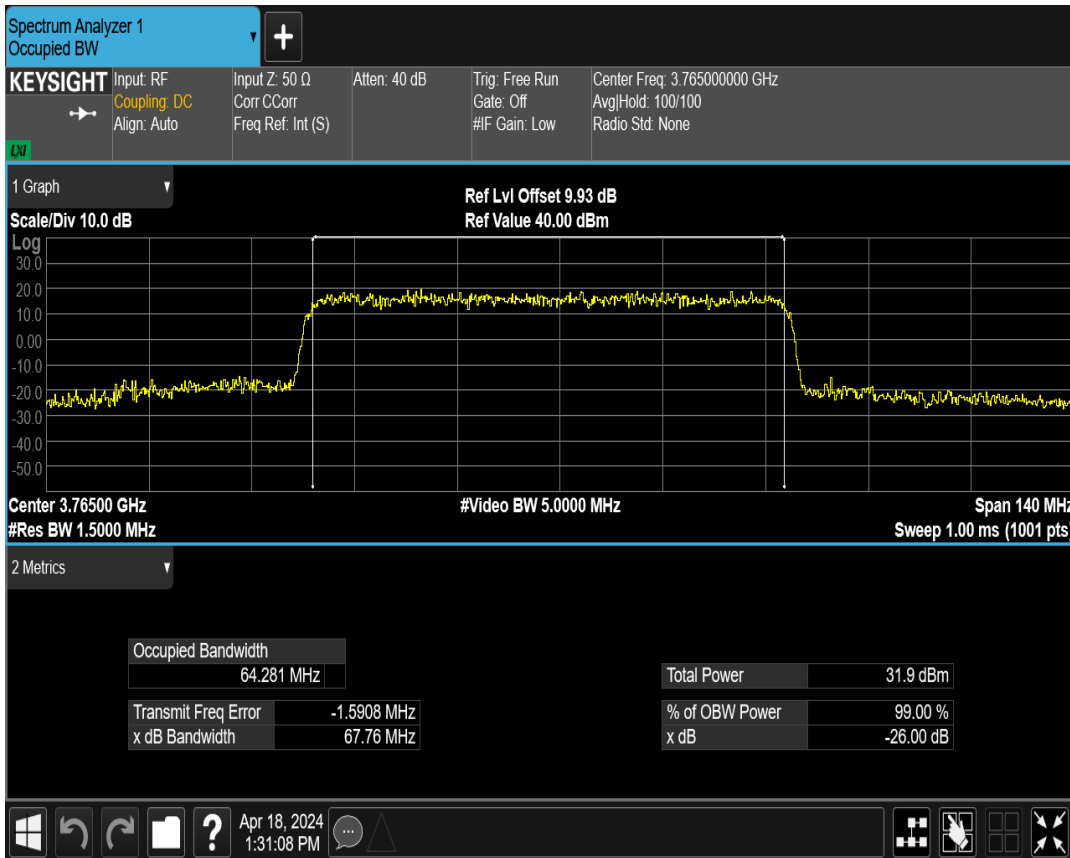
n78(3700-3800) SCS=30kHz CP_QPSK BW=70MHz Channel=650000 RB=189@0



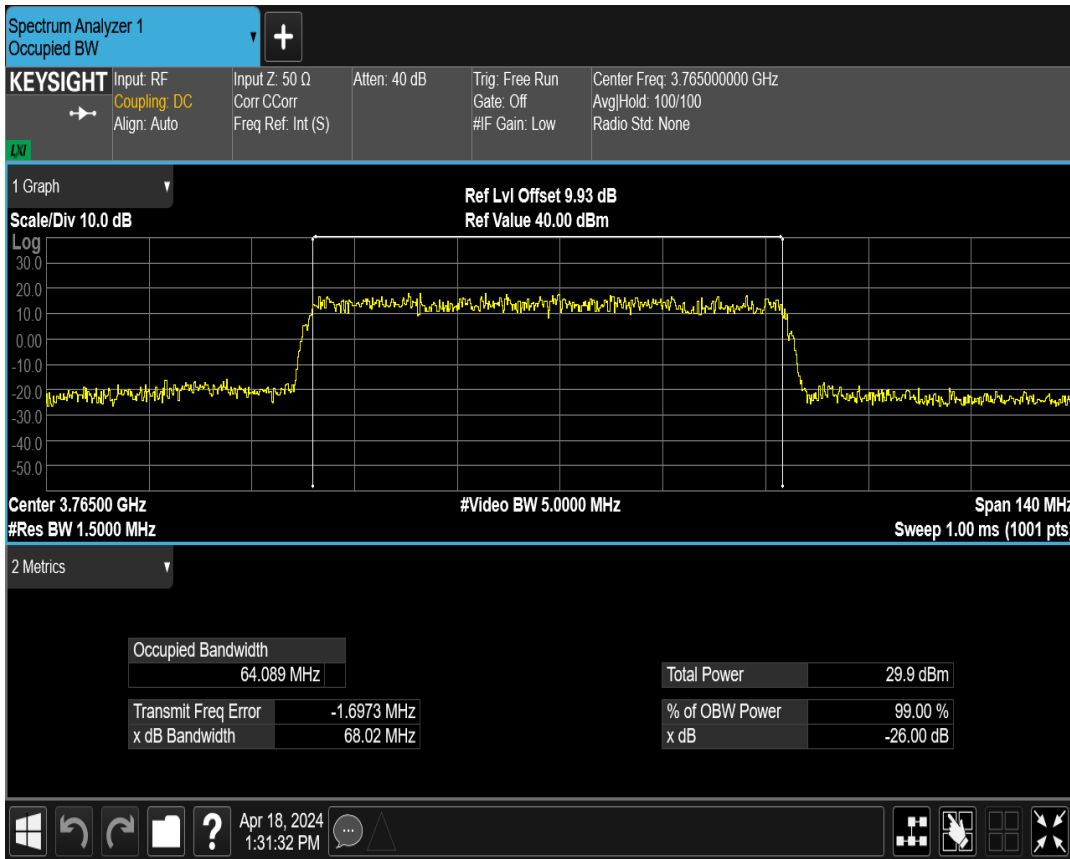
n78(3700-3800) SCS=30kHz DFT_BPSK BW=70MHz Channel=651000 RB=180@0



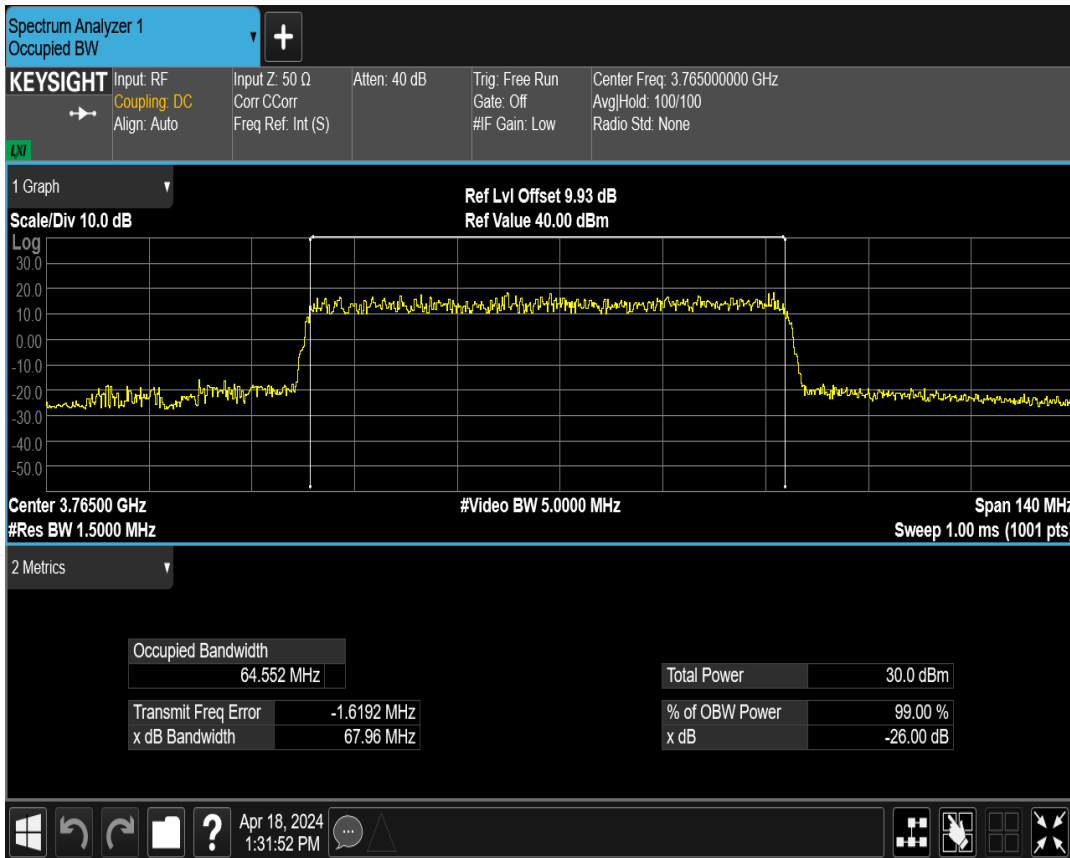
n78(3700-3800) SCS=30kHz DFT_QPSK BW=70MHz Channel=651000 RB=180@0



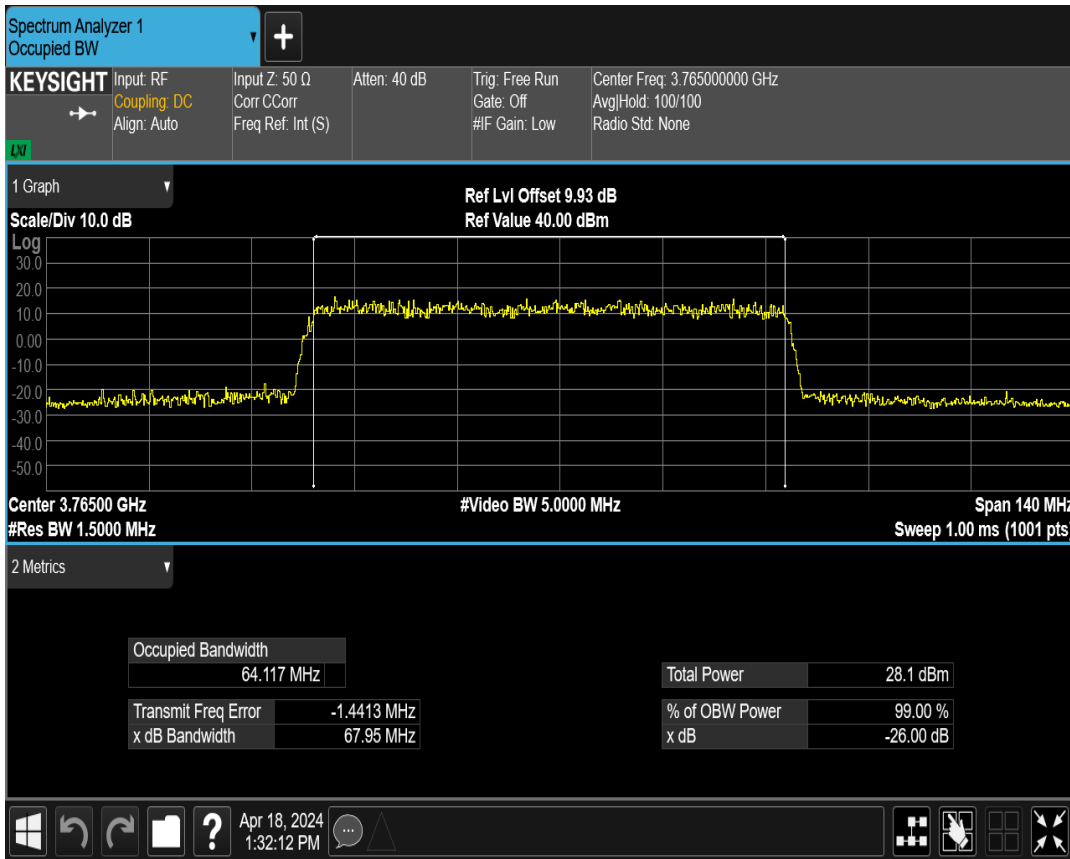
n78(3700-3800) SCS=30kHz DFT_QAM16 BW=70MHz Channel=651000 RB=180@0



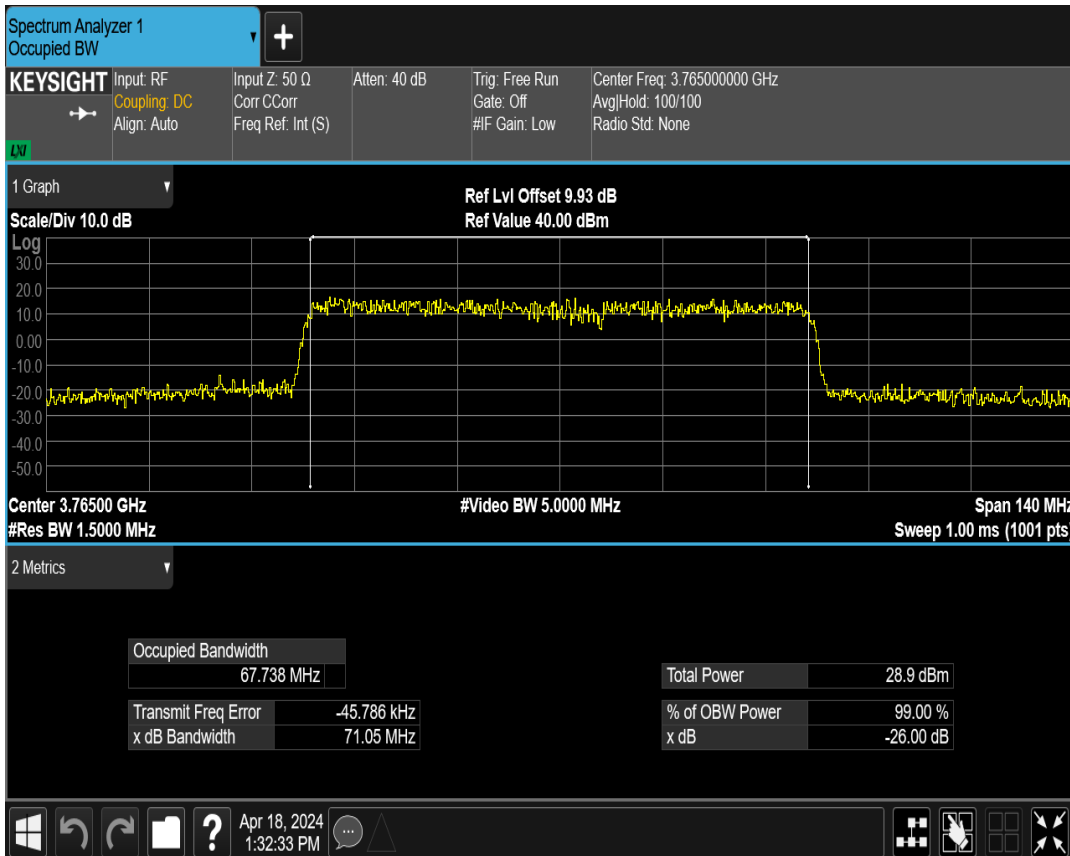
n78(3700-3800) SCS=30kHz DFT_QAM64 BW=70MHz Channel=651000 RB=180@0



n78(3700-3800) SCS=30kHz DFT_QAM256 BW=70MHz Channel=651000 RB=180@0



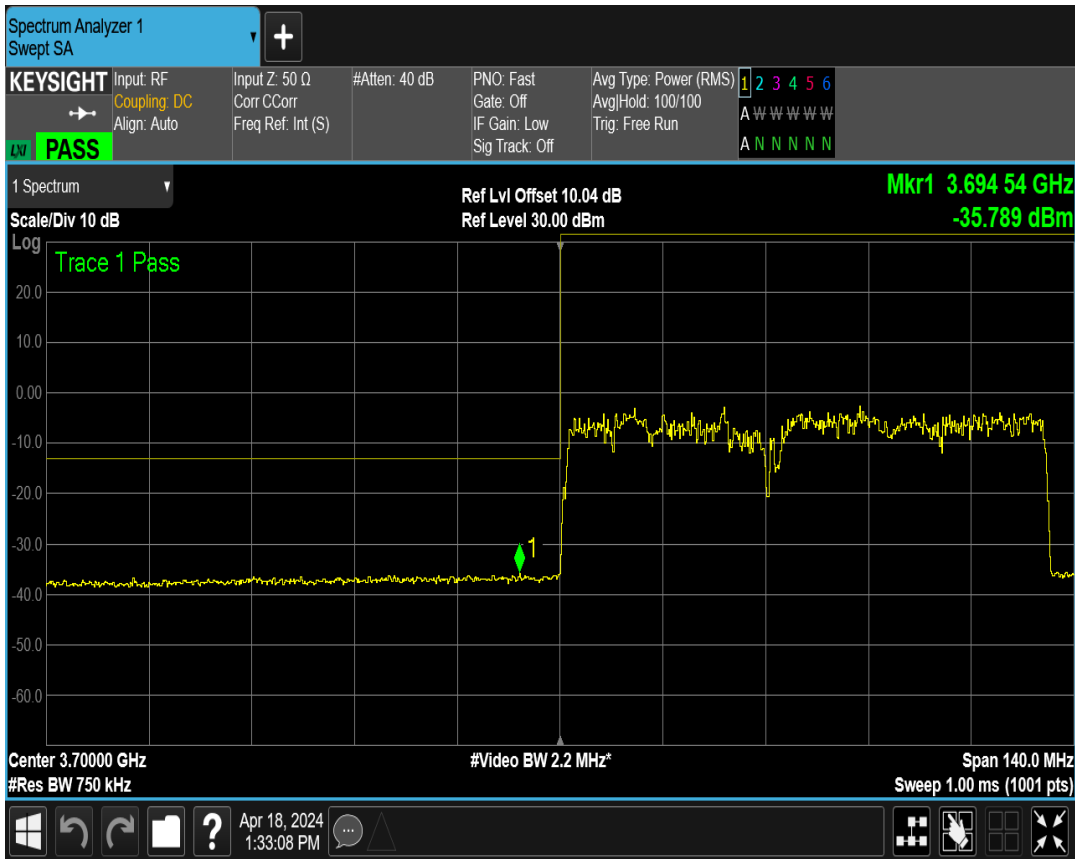
n78(3700-3800) SCS=30kHz CP_QPSK BW=70MHz Channel=651000 RB=189@0



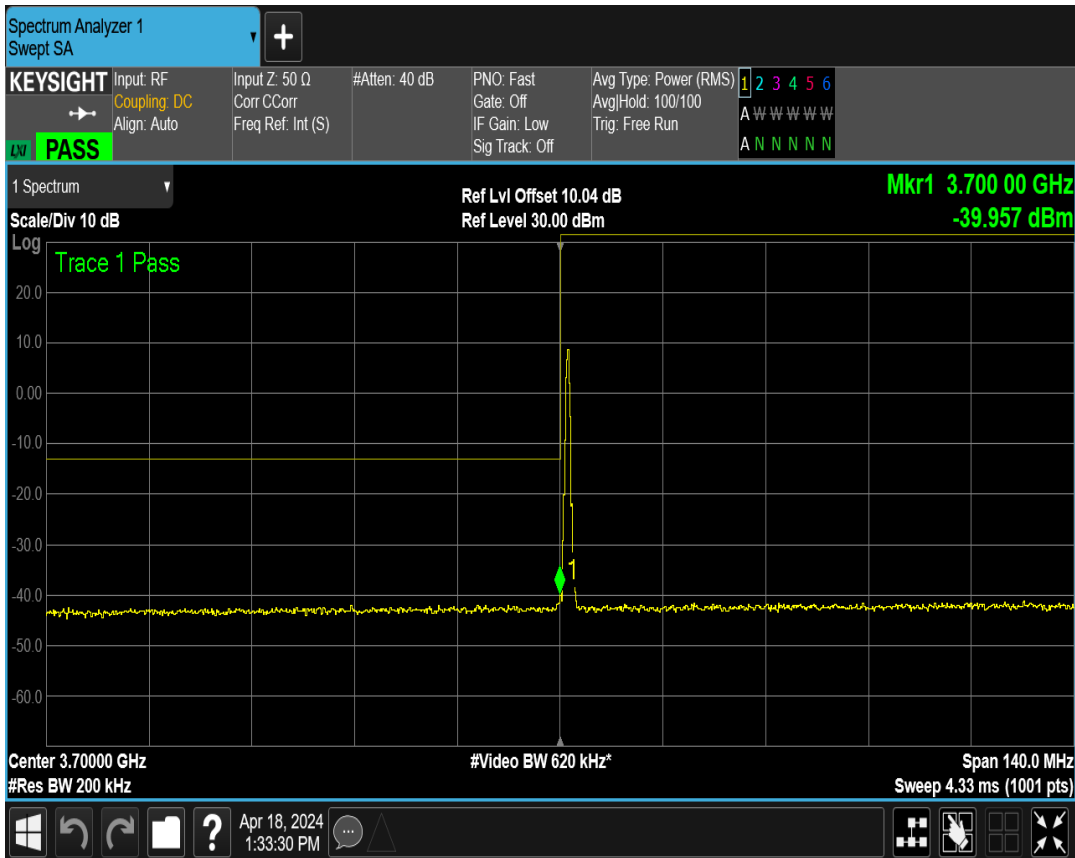
5 Band edge for NR FR1

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
n78(3700-3800)	30	70	649000	180@0	DFT_QPSK	3694.54	-35.79	-13	PASS
n78(3700-3800)	30	70	649000	1@0	DFT_QPSK	3700.00	-39.96	-13	PASS
n78(3700-3800)	30	70	651000	180@0	DFT_QPSK	3806.16	-34.98	-13	PASS
n78(3700-3800)	30	70	651000	1@188	DFT_QPSK	3800.00	-41.34	-13	PASS

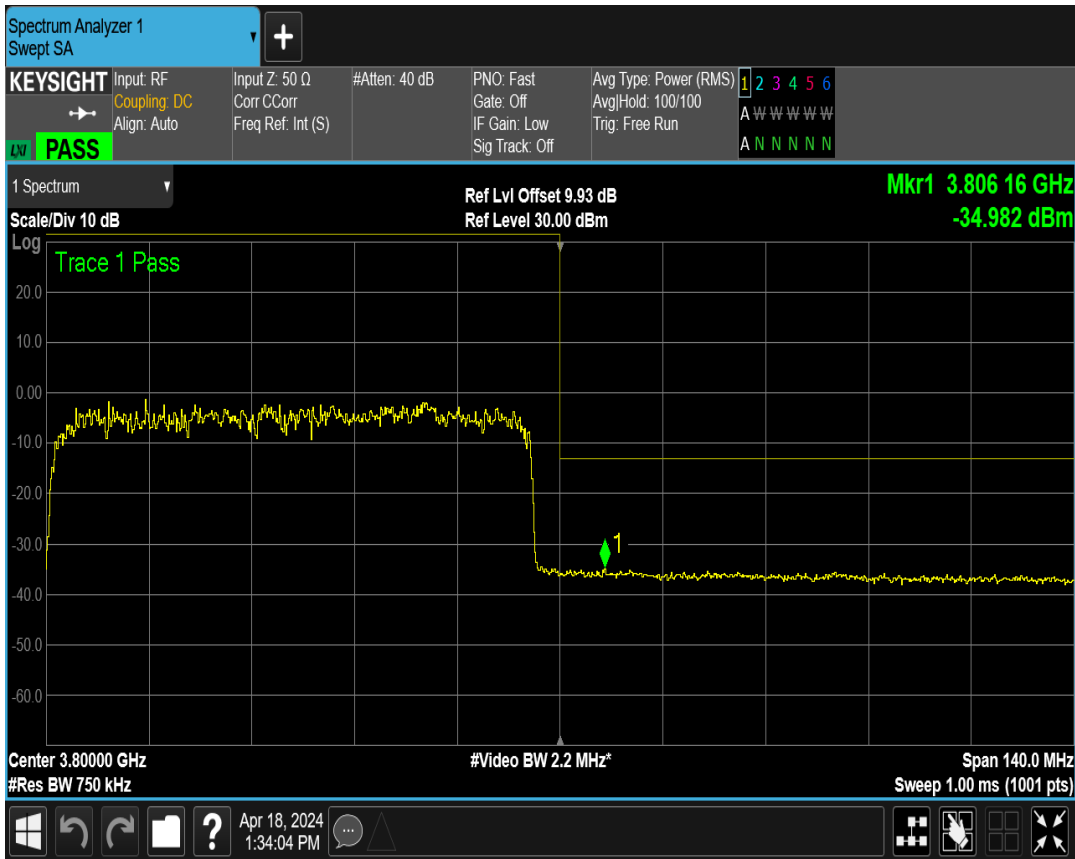
n78(3700-3800) SCS=30kHz DFT_QPSK BW=70MHz Channel=649000 RB=180@0



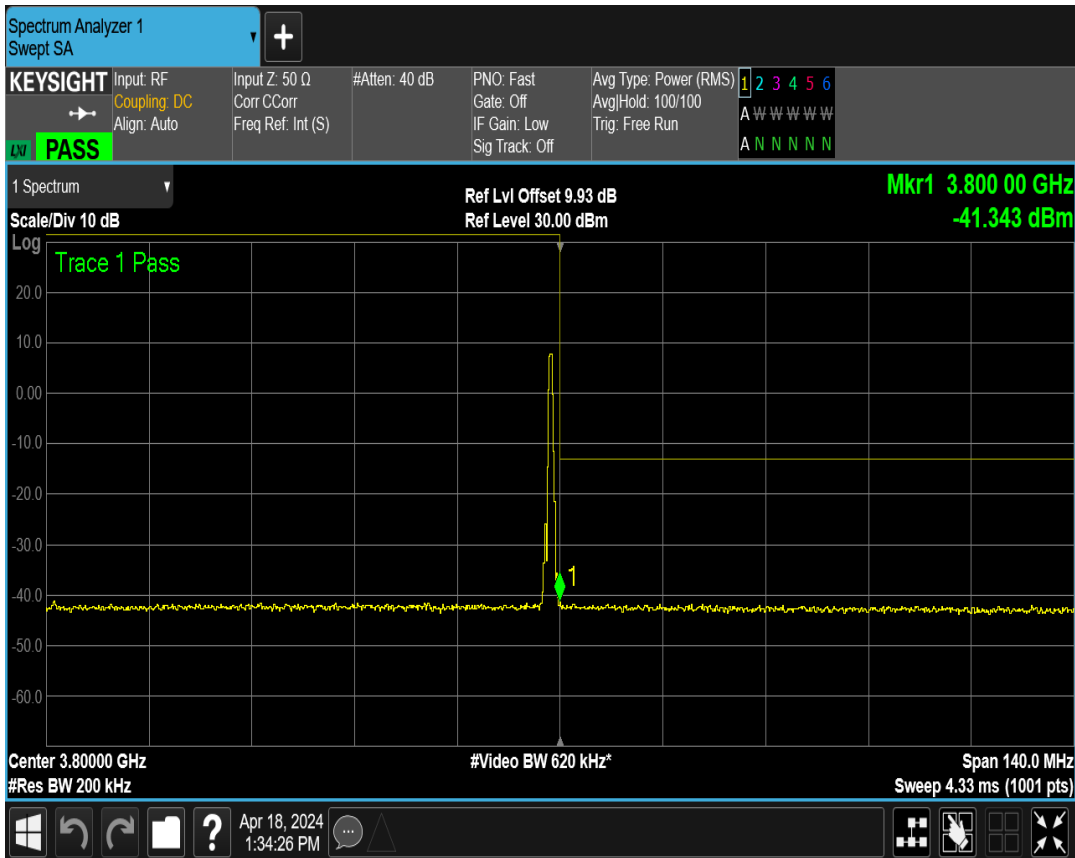
n78(3700-3800) SCS=30kHz DFT_QPSK BW=70MHz Channel=649000 RB=1@0



n78(3700-3800) SCS=30kHz DFT_QPSK BW=70MHz Channel=651000 RB=180@0



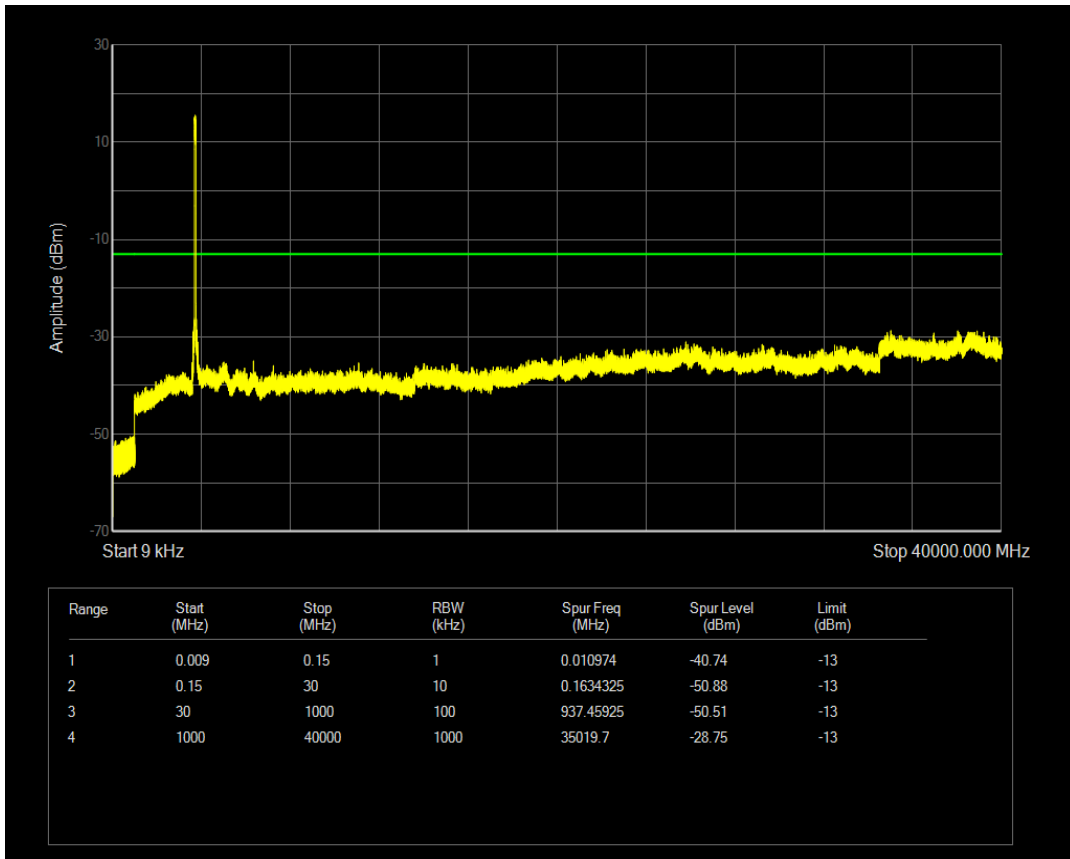
n78(3700-3800) SCS=30kHz DFT_QPSK BW=70MHz Channel=651000 RB=1@188



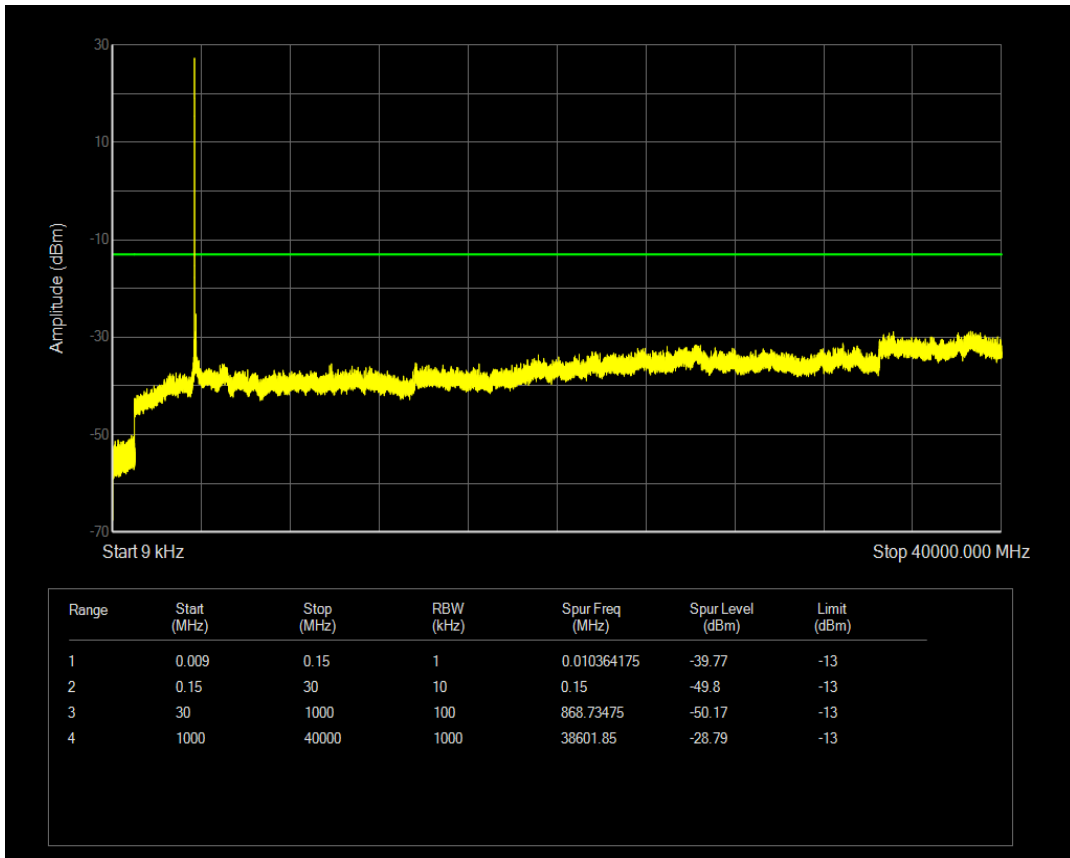
6 Out-of-band emissions for NR FR1

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
n78(3700-3800)	30	70	649000	180@0	DFT_QPSK	35019.70	-28.75	-13	PASS
n78(3700-3800)	30	70	649000	1@0	DFT_QPSK	38601.85	-28.79	-13	PASS
n78(3700-3800)	30	70	649000	1@188	DFT_QPSK	39018.18	-28.23	-13	PASS
n78(3700-3800)	30	70	650000	180@0	DFT_QPSK	35611.53	-28.39	-13	PASS
n78(3700-3800)	30	70	650000	1@0	DFT_QPSK	38572.60	-28.56	-13	PASS
n78(3700-3800)	30	70	650000	1@188	DFT_QPSK	38721.78	-28.05	-13	PASS
n78(3700-3800)	30	70	651000	180@0	DFT_QPSK	38736.40	-27.98	-13	PASS
n78(3700-3800)	30	70	651000	1@0	DFT_QPSK	35041.15	-28.35	-13	PASS
n78(3700-3800)	30	70	651000	1@188	DFT_QPSK	38821.23	-28.81	-13	PASS

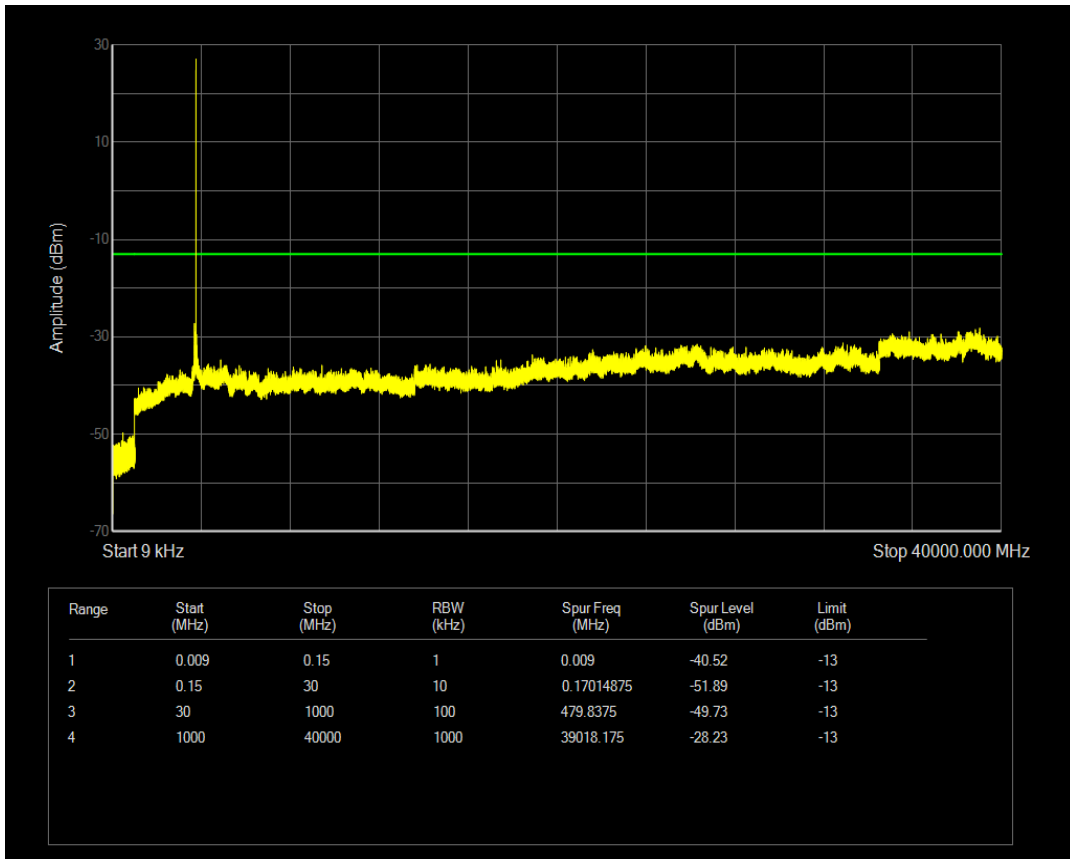
n78(3700-3800) SCS=30kHz DFT_QPSK BW=70MHz Channel=649000 RB=180@0



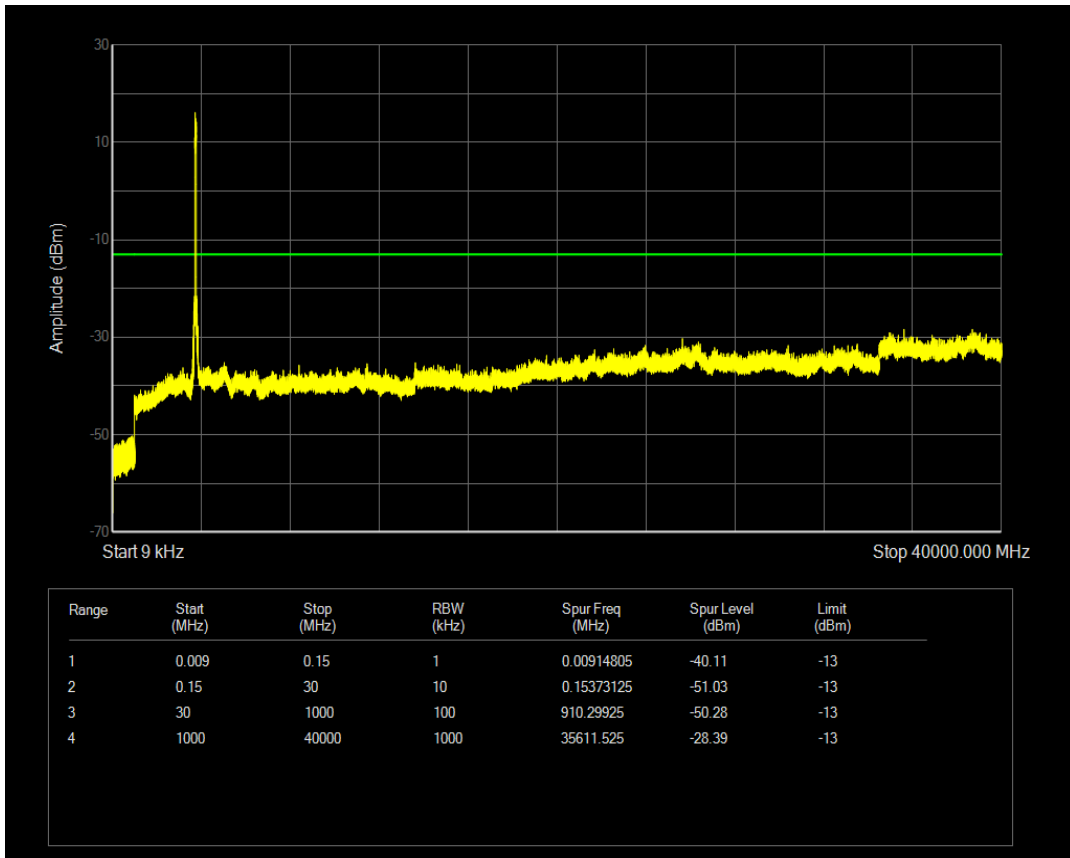
n78(3700-3800) SCS=30kHz DFT_QPSK BW=70MHz Channel=649000 RB=1@0



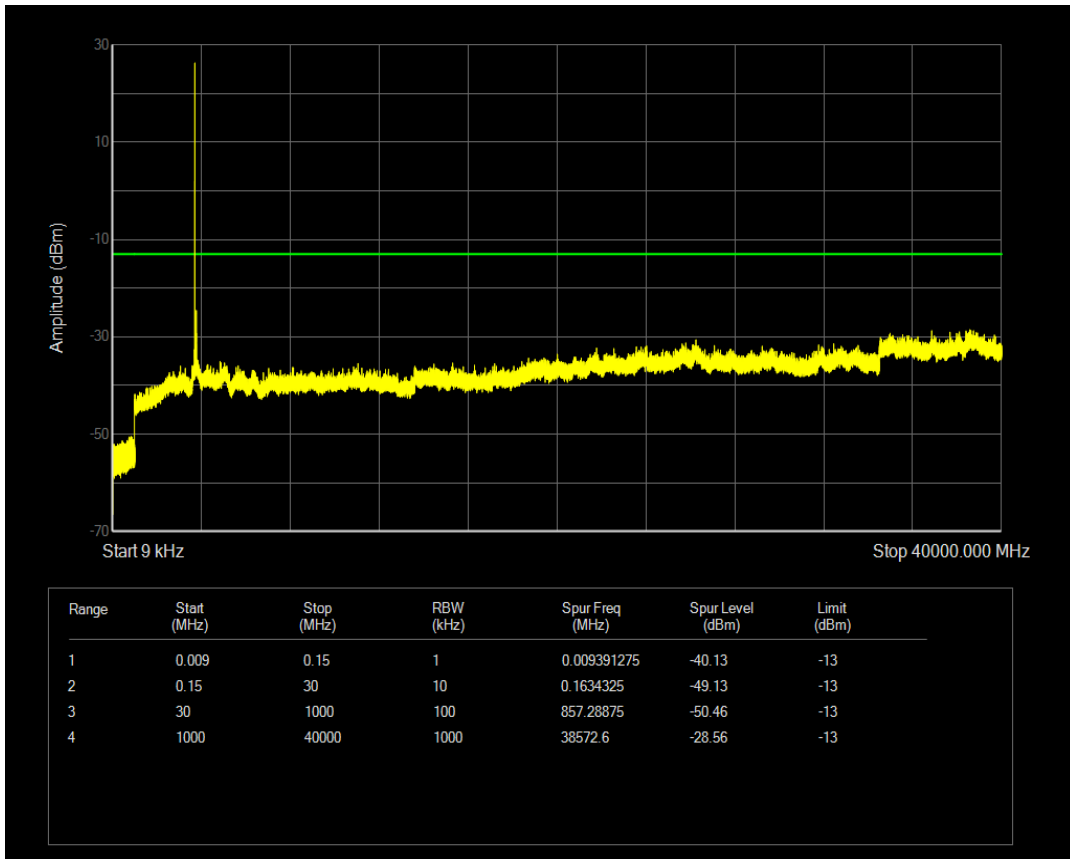
n78(3700-3800) SCS=30kHz DFT_QPSK BW=70MHz Channel=649000 RB=1 @188



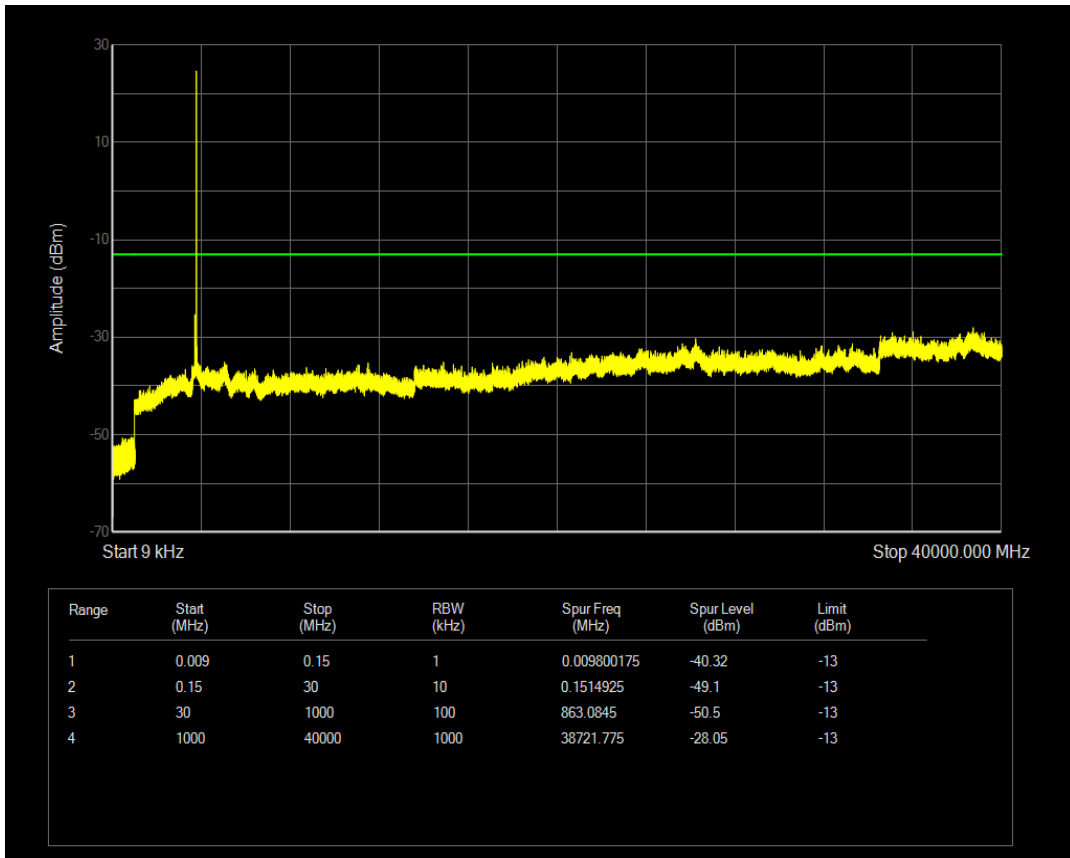
n78(3700-3800) SCS=30kHz DFT_QPSK BW=70MHz Channel=650000 RB=180@0



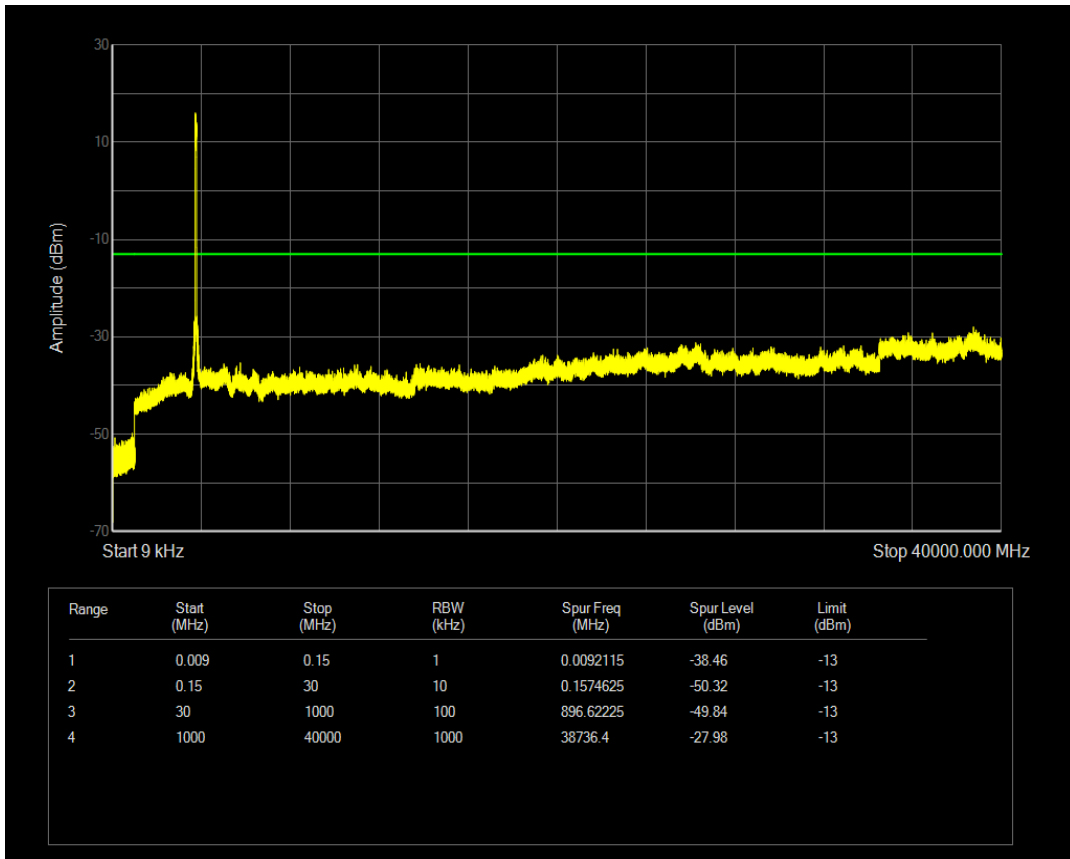
n78(3700-3800) SCS=30kHz DFT_QPSK BW=70MHz Channel=650000 RB=1 @0



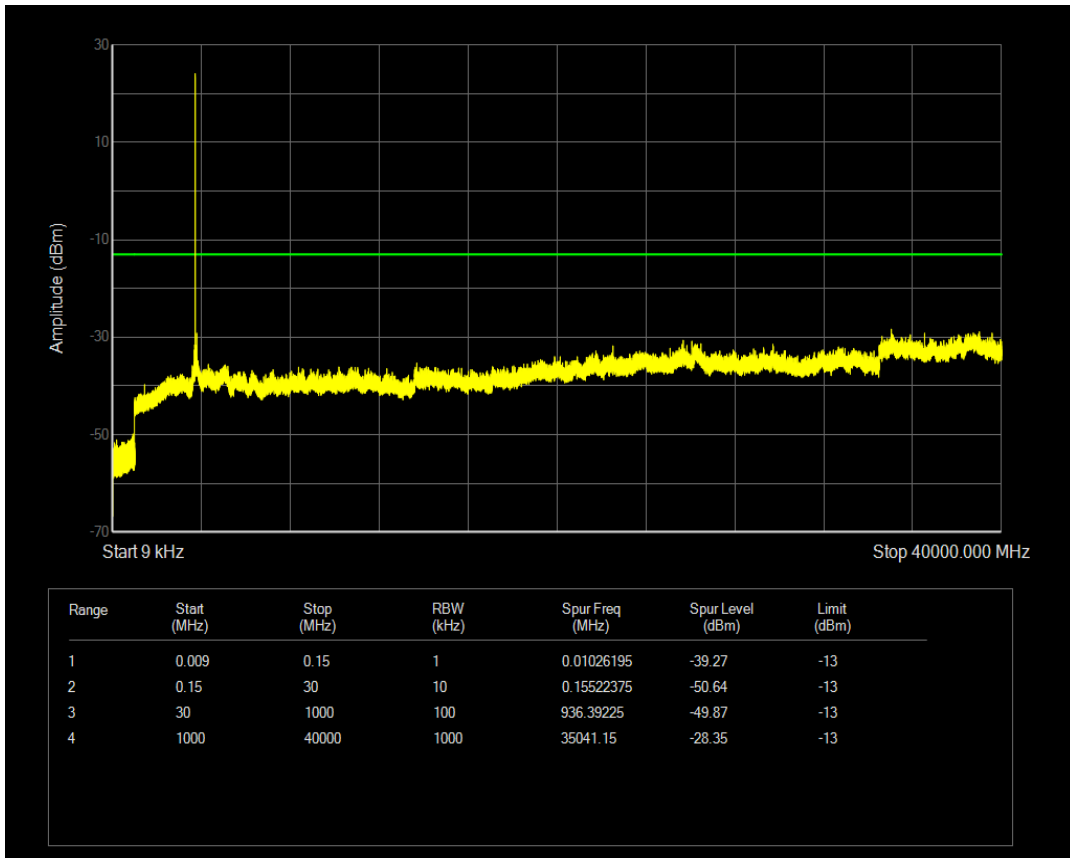
n78(3700-3800) SCS=30kHz DFT_QPSK BW=70MHz Channel=650000 RB=1 @188



n78(3700-3800) SCS=30kHz DFT_QPSK BW=70MHz Channel=651000 RB=180@0



n78(3700-3800) SCS=30kHz DFT_QPSK BW=70MHz Channel=651000 RB=1@0



n78(3700-3800) SCS=30kHz DFT_QPSK BW=70MHz Channel=651000 RB=1 @188

