

# 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	26.67	2.78	29.45	30	PASS
n78(3450-3550)	30	70	632334	1@1	DFT_BPSK	26.19	2.78	28.97	30	PASS
n78(3450-3550)	30	70	632334	1@187	DFT_BPSK	25.97	2.78	28.75	30	PASS
n78(3450-3550)	30	70	632334	90@45	DFT_QPSK	26.65	2.78	29.43	30	PASS
n78(3450-3550)	30	70	632334	1@1	DFT_QPSK	26.13	2.78	28.91	30	PASS
n78(3450-3550)	30	70	632334	1@187	DFT_QPSK	25.78	2.78	28.56	30	PASS
n78(3450-3550)	30	70	632334	90@45	DFT_QAM16	25.64	2.78	28.42	30	PASS
n78(3450-3550)	30	70	632334	1@1	DFT_QAM16	25.41	2.78	28.19	30	PASS
n78(3450-3550)	30	70	632334	1@187	DFT_QAM16	25.25	2.78	28.03	30	PASS
n78(3450-3550)	30	70	632334	90@45	DFT_QAM64	24.16	2.78	26.94	30	PASS
n78(3450-3550)	30	70	632334	1@1	DFT_QAM64	23.86	2.78	26.64	30	PASS
n78(3450-3550)	30	70	632334	1@187	DFT_QAM64	23.49	2.78	26.27	30	PASS
n78(3450-3550)	30	70	632334	95@47	CP_QPSK	25.15	2.78	27.93	30	PASS
n78(3450-3550)	30	70	632334	1@1	CP_QPSK	24.84	2.78	27.62	30	PASS
n78(3450-3550)	30	70	632334	1@187	CP_QPSK	24.44	2.78	27.22	30	PASS
n78(3450-3550)	30	70	632334	95@47	CP_QAM16	24.69	2.78	27.47	30	PASS
n78(3450-3550)	30	70	632334	1@1	CP_QAM16	24.38	2.78	27.16	30	PASS
n78(3450-3550)	30	70	632334	1@187	CP_QAM16	24.07	2.78	26.85	30	PASS
n78(3450-3550)	30	70	632334	95@47	CP_QAM64	23.28	2.78	26.06	30	PASS
n78(3450-3550)	30	70	632334	1@1	CP_QAM64	23.34	2.78	26.12	30	PASS
n78(3450-3550)	30	70	632334	1@187	CP_QAM64	22.99	2.78	25.77	30	PASS
n78(3450-3550)	30	70	633334	90@45	DFT_BPSK	26.54	2.78	29.32	30	PASS
n78(3450-3550)	30	70	633334	1@1	DFT_BPSK	26.20	2.78	28.98	30	PASS
n78(3450-3550)	30	70	633334	1@187	DFT_BPSK	26.07	2.78	28.85	30	PASS
n78(3450-3550)	30	70	633334	90@45	DFT_QPSK	26.44	2.78	29.22	30	PASS
n78(3450-3550)	30	70	633334	1@1	DFT_QPSK	26.09	2.78	28.87	30	PASS
n78(3450-3550)	30	70	633334	1@187	DFT_QPSK	25.90	2.78	28.68	30	PASS
n78(3450-3550)	30	70	633334	90@45	DFT_QAM16	25.51	2.78	28.29	30	PASS
n78(3450-3550)	30	70	633334	1@1	DFT_QAM16	25.48	2.78	28.26	30	PASS
n78(3450-3550)	30	70	633334	1@187	DFT_QAM16	25.40	2.78	28.18	30	PASS
n78(3450-3550)	30	70	633334	90@45	DFT_QAM64	23.95	2.78	26.73	30	PASS
n78(3450-3550)	30	70	633334	1@1	DFT_QAM64	23.88	2.78	26.66	30	PASS
n78(3450-3550)	30	70	633334	1@187	DFT_QAM64	23.67	2.78	26.45	30	PASS
n78(3450-3550)	30	70	633334	95@47	CP_QPSK	24.97	2.78	27.75	30	PASS
n78(3450-3550)	30	70	633334	1@1	CP_QPSK	24.81	2.78	27.59	30	PASS
n78(3450-3550)	30	70	633334	1@187	CP_QPSK	24.71	2.78	27.49	30	PASS
n78(3450-3550)	30	70	633334	95@47	CP_QAM16	24.46	2.78	27.24	30	PASS

n78(3450-3550)	30	70	633334	1@1	CP_QAM16	24.58	2.78	27.36	30	PASS
n78(3450-3550)	30	70	633334	1@187	CP_QAM16	24.39	2.78	27.17	30	PASS
n78(3450-3550)	30	70	633334	95@47	CP_QAM64	23.12	2.78	25.90	30	PASS
n78(3450-3550)	30	70	633334	1@1	CP_QAM64	23.13	2.78	25.91	30	PASS
n78(3450-3550)	30	70	633334	1@187	CP_QAM64	22.59	2.78	25.37	30	PASS
n78(3450-3550)	30	70	634332	90@45	DFT_BPSK	26.43	2.78	29.21	30	PASS
n78(3450-3550)	30	70	634332	1@1	DFT_BPSK	26.27	2.78	29.05	30	PASS
n78(3450-3550)	30	70	634332	1@187	DFT_BPSK	26.09	2.78	28.87	30	PASS
n78(3450-3550)	30	70	634332	90@45	DFT_QPSK	26.37	2.78	29.15	30	PASS
n78(3450-3550)	30	70	634332	1@1	DFT_QPSK	26.12	2.78	28.90	30	PASS
n78(3450-3550)	30	70	634332	1@187	DFT_QPSK	25.94	2.78	28.72	30	PASS
n78(3450-3550)	30	70	634332	90@45	DFT_QAM16	25.35	2.78	28.13	30	PASS
n78(3450-3550)	30	70	634332	1@1	DFT_QAM16	25.47	2.78	28.25	30	PASS
n78(3450-3550)	30	70	634332	1@187	DFT_QAM16	25.44	2.78	28.22	30	PASS
n78(3450-3550)	30	70	634332	90@45	DFT_QAM64	23.88	2.78	26.66	30	PASS
n78(3450-3550)	30	70	634332	1@1	DFT_QAM64	23.77	2.78	26.55	30	PASS
n78(3450-3550)	30	70	634332	1@187	DFT_QAM64	23.67	2.78	26.45	30	PASS
n78(3450-3550)	30	70	634332	95@47	CP_QPSK	24.85	2.78	27.63	30	PASS
n78(3450-3550)	30	70	634332	1@1	CP_QPSK	24.70	2.78	27.48	30	PASS
n78(3450-3550)	30	70	634332	1@187	CP_QPSK	24.43	2.78	27.21	30	PASS
n78(3450-3550)	30	70	634332	95@47	CP_QAM16	24.45	2.78	27.23	30	PASS
n78(3450-3550)	30	70	634332	1@1	CP_QAM16	24.30	2.78	27.08	30	PASS
n78(3450-3550)	30	70	634332	1@187	CP_QAM16	24.16	2.78	26.94	30	PASS
n78(3450-3550)	30	70	634332	95@47	CP_QAM64	23.08	2.78	25.86	30	PASS
n78(3450-3550)	30	70	634332	1@1	CP_QAM64	23.35	2.78	26.13	30	PASS
n78(3450-3550)	30	70	634332	1@187	CP_QAM64	22.64	2.78	25.42	30	PASS

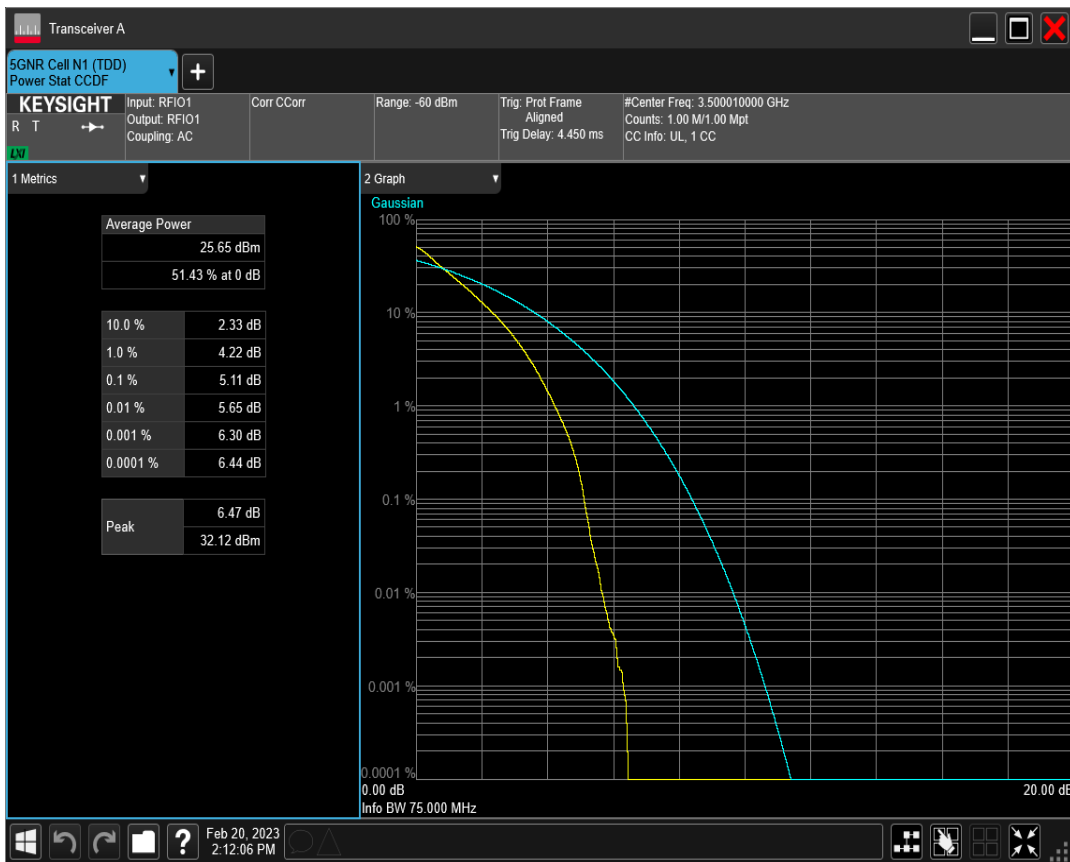
## 2 Frequency stability for NR FR1

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Result(Hz)	Result (ppm)	Low Limit (ppm)	high Limit (ppm)	Verdict
n78(3450-3550)	30	70	633334	90@45	DFT_BPSK	-27.84	-0.01	-2.5	2.5	PASS
n78(3450-3550)	30	70	633334	1@1	DFT_BPSK	-25.19	-0.01	-2.5	2.5	PASS
n78(3450-3550)	30	70	633334	1@187	DFT_BPSK	-28.12	-0.01	-2.5	2.5	PASS
n78(3450-3550)	30	70	633334	90@45	DFT_QPSK	-31.83	-0.01	-2.5	2.5	PASS
n78(3450-3550)	30	70	633334	1@1	DFT_QPSK	-24.50	-0.01	-2.5	2.5	PASS
n78(3450-3550)	30	70	633334	1@187	DFT_QPSK	-24.56	-0.01	-2.5	2.5	PASS

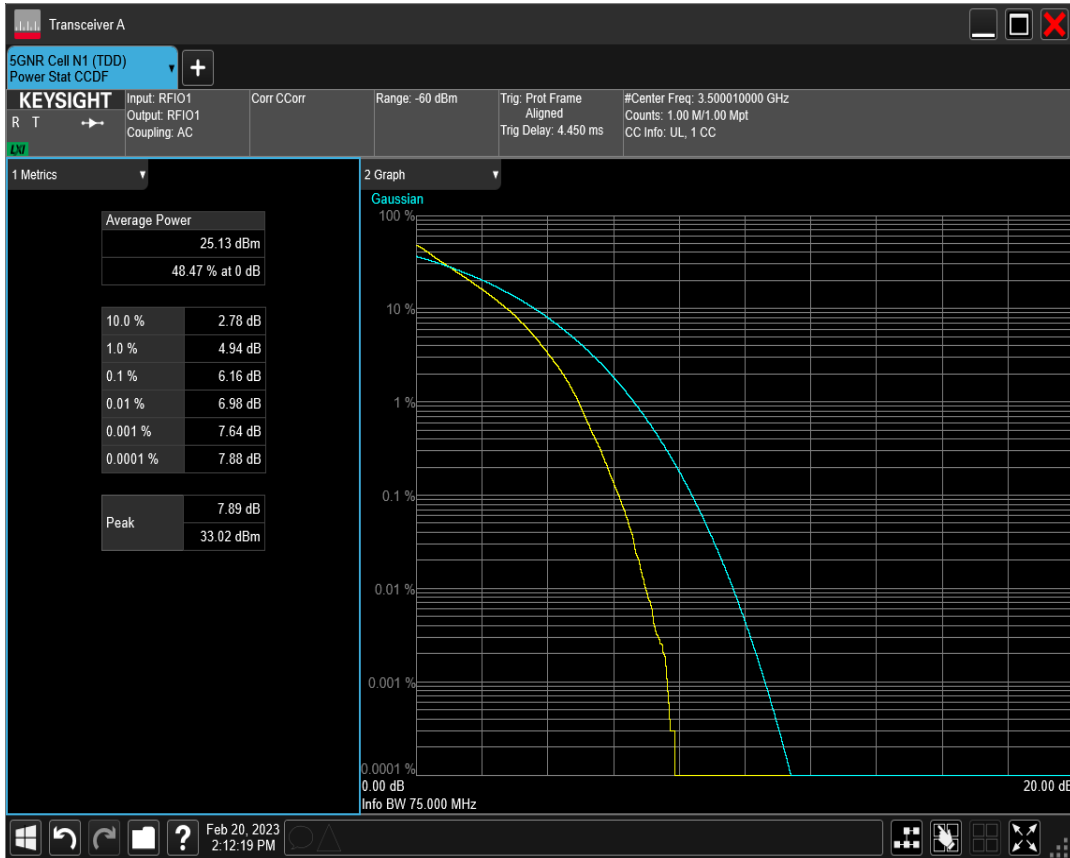
### 3 Peak-to-Average Ratio for NR FR1

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	5.11	13	PASS
n78(3450-3550)	30	70	633334	180@0	DFT_QPSK	6.16	13	PASS
n78(3450-3550)	30	70	633334	180@0	DFT_QAM16	6.91	13	PASS
n78(3450-3550)	30	70	633334	180@0	DFT_QAM64	7.10	13	PASS

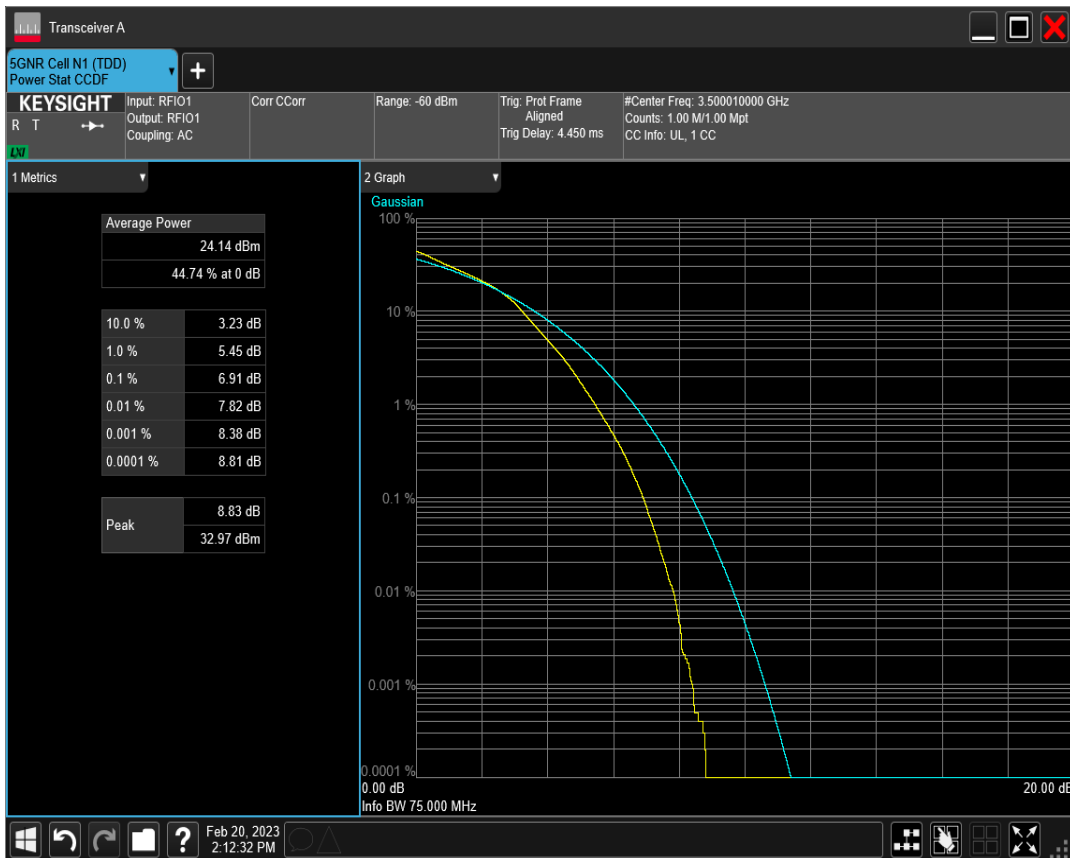
n78(3450-3550) SCS=30kHz DFT\_BPSK BW=70MHz Channel=633334 RB=180@0



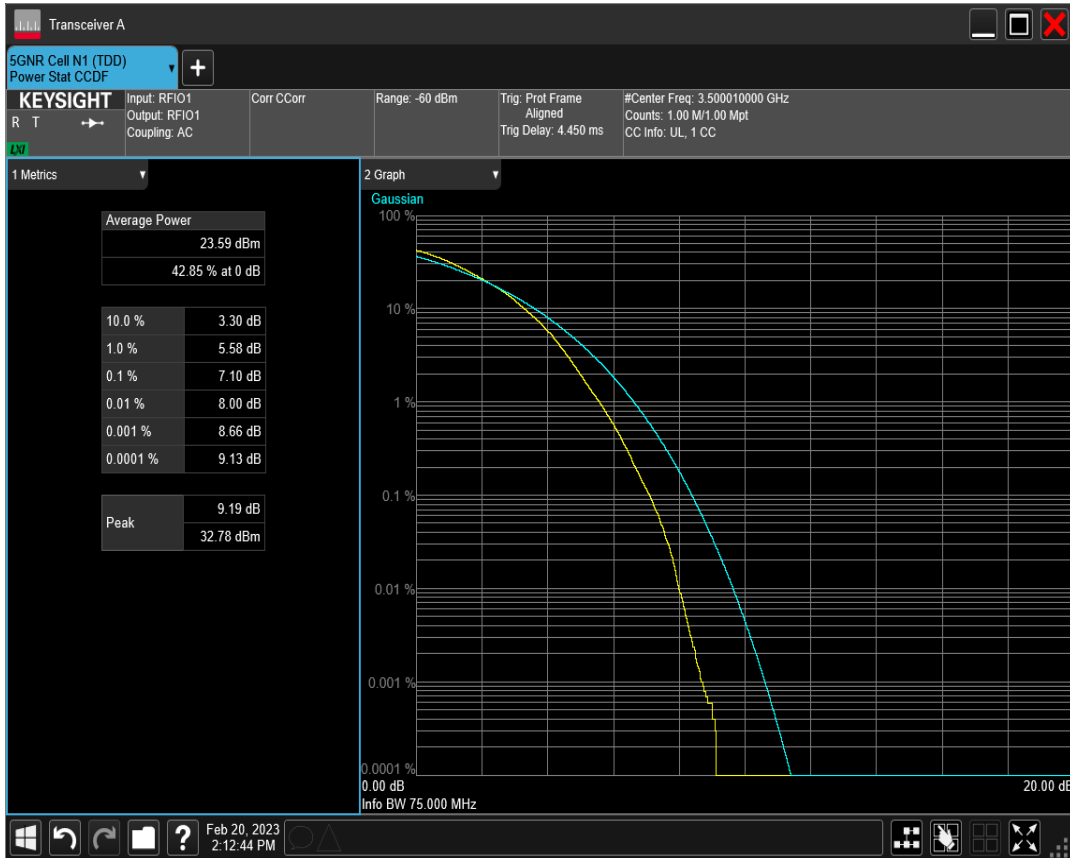
n78(3450-3550) SCS=30kHz DFT\_QPSK BW=70MHz Channel=633334 RB=180@0



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



### 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	67.030	68.200	PASS
n78(3450-3550)	30	70	632334	180@0	DFT_QPSK	66.780	68.180	PASS
n78(3450-3550)	30	70	632334	180@0	DFT_QAM16	66.780	68.200	PASS
n78(3450-3550)	30	70	632334	180@0	DFT_QAM64	67.010	68.200	PASS
n78(3450-3550)	30	70	632334	189@0	CP_QPSK	67.790	71.440	PASS
n78(3450-3550)	30	70	633334	180@0	DFT_BPSK	67.010	68.220	PASS
n78(3450-3550)	30	70	633334	180@0	DFT_QPSK	67.010	68.220	PASS
n78(3450-3550)	30	70	633334	180@0	DFT_QAM16	66.950	68.210	PASS
n78(3450-3550)	30	70	633334	180@0	DFT_QAM64	67.000	68.210	PASS
n78(3450-3550)	30	70	633334	189@0	CP_QPSK	67.810	71.460	PASS
n78(3450-3550)	30	70	634332	180@0	DFT_BPSK	66.980	68.200	PASS
n78(3450-3550)	30	70	634332	180@0	DFT_QPSK	67.000	68.190	PASS
n78(3450-3550)	30	70	634332	180@0	DFT_QAM16	66.780	68.210	PASS
n78(3450-3550)	30	70	634332	180@0	DFT_QAM64	67.010	68.200	PASS
n78(3450-3550)	30	70	634332	189@0	CP_QPSK	67.790	71.440	PASS

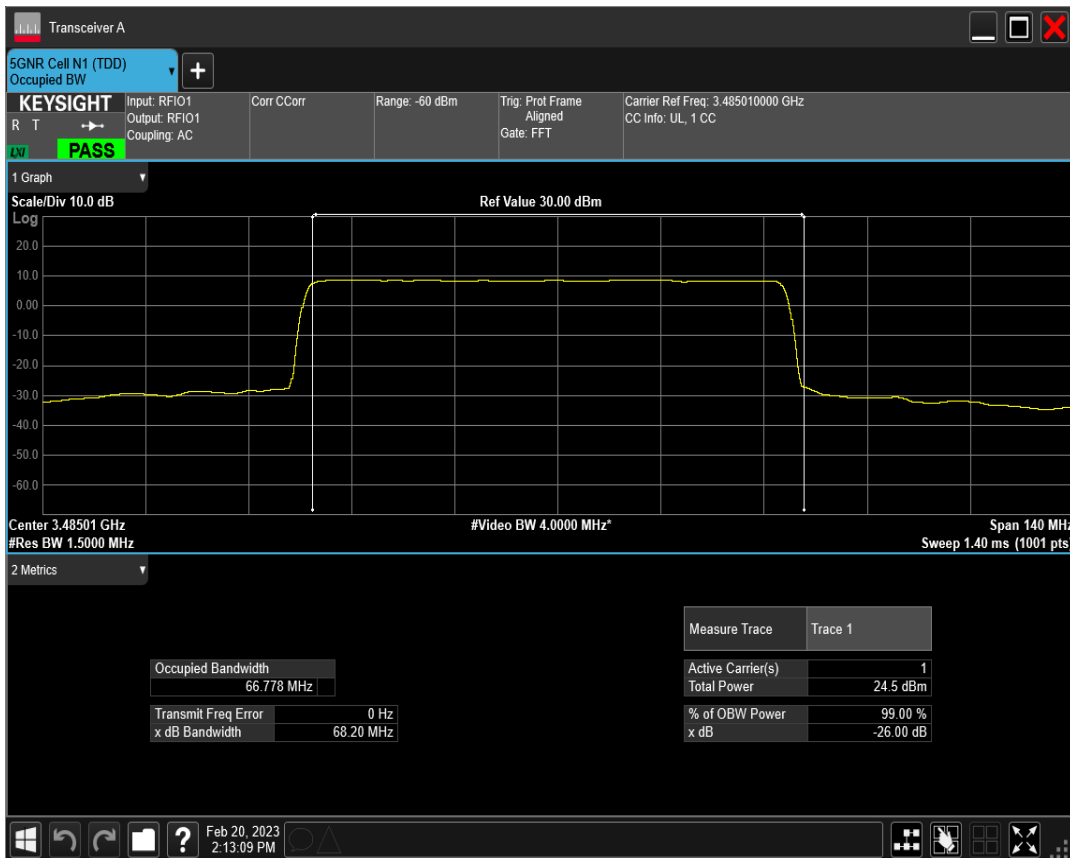
n78(3450-3550) SCS=30kHz DFT\_BPSK BW=70MHz Channel=632334 RB=180@0



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

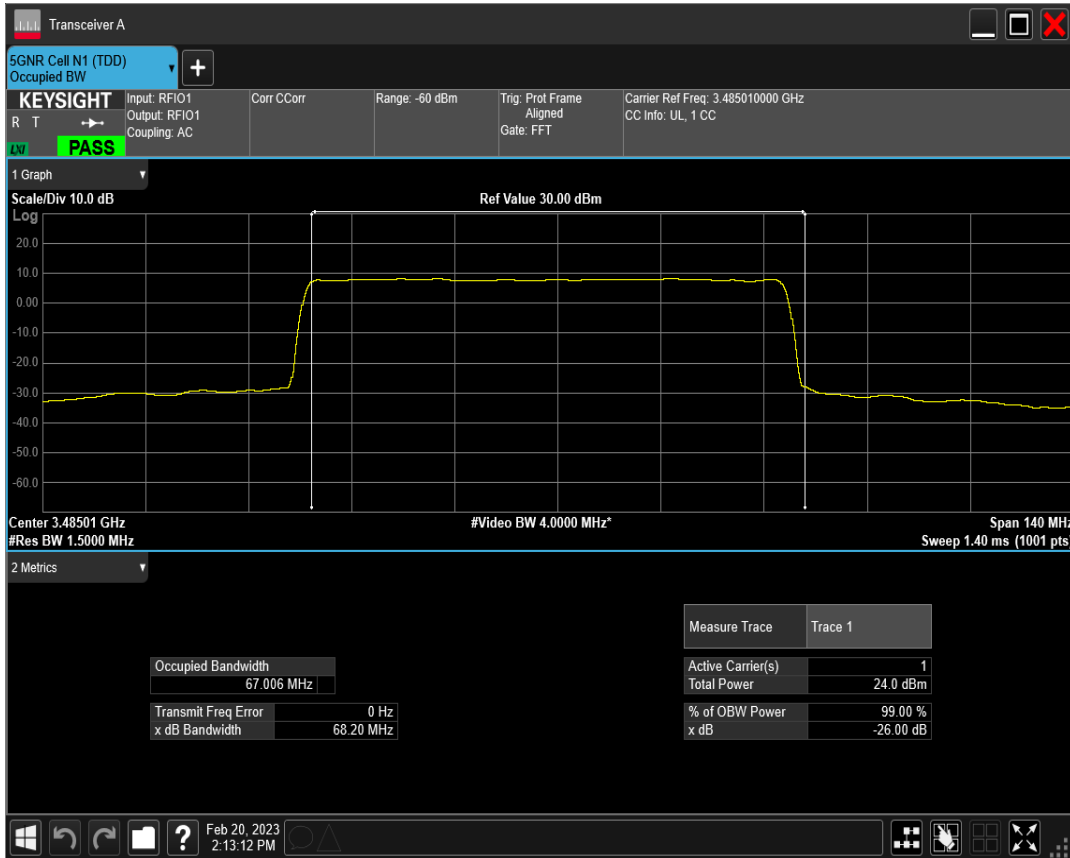


n78(3450-3550) SCS=30kHz DFT\_QAM16 BW=70MHz Channel=632334 RB=180@0

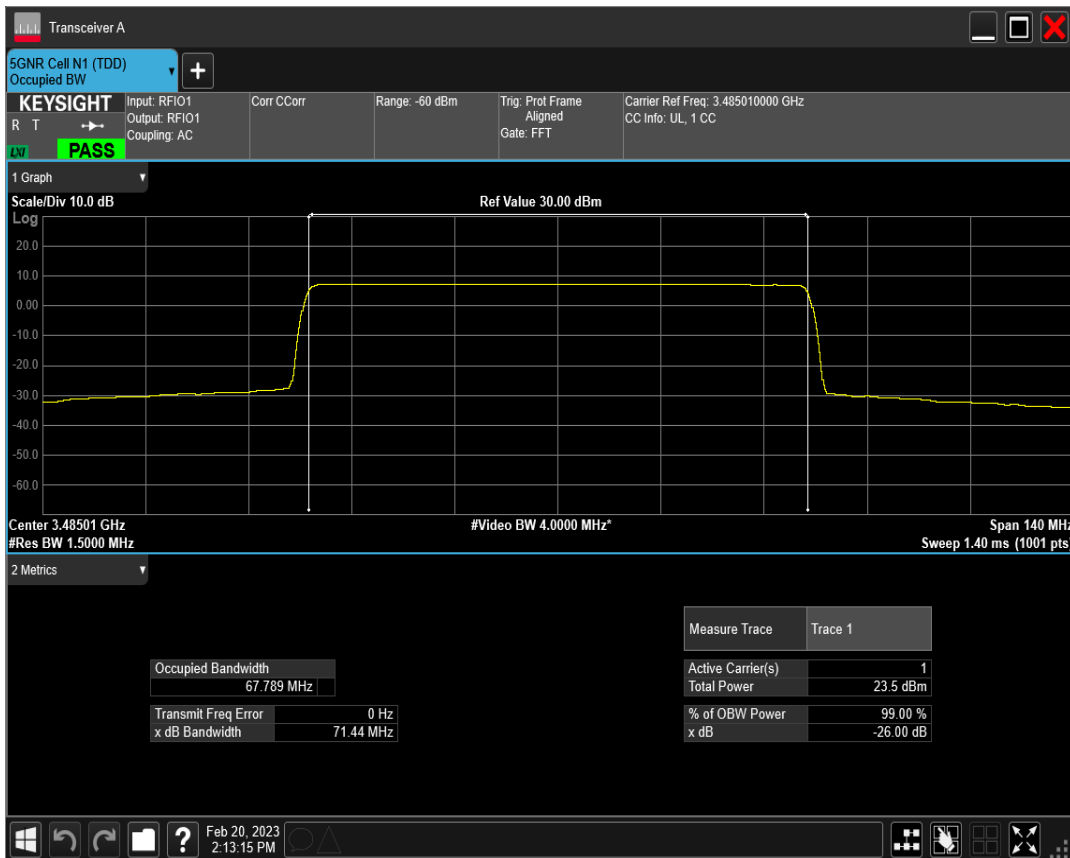


n78(3450-3550) SCS=30kHz DFT\_QAM64 BW=70MHz Channel=632334 RB=180@0

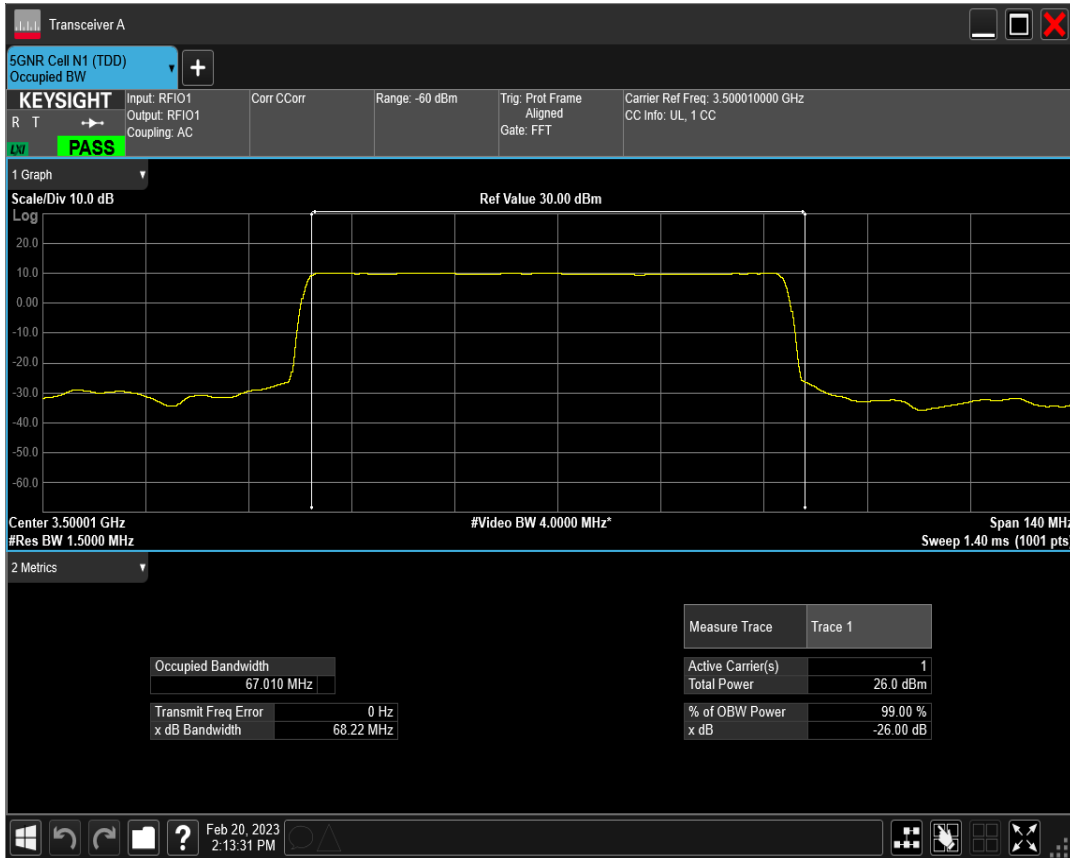




n78(3450-3550) SCS=30kHz CP\_QPSK BW=70MHz Channel=632334 RB=189@0



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



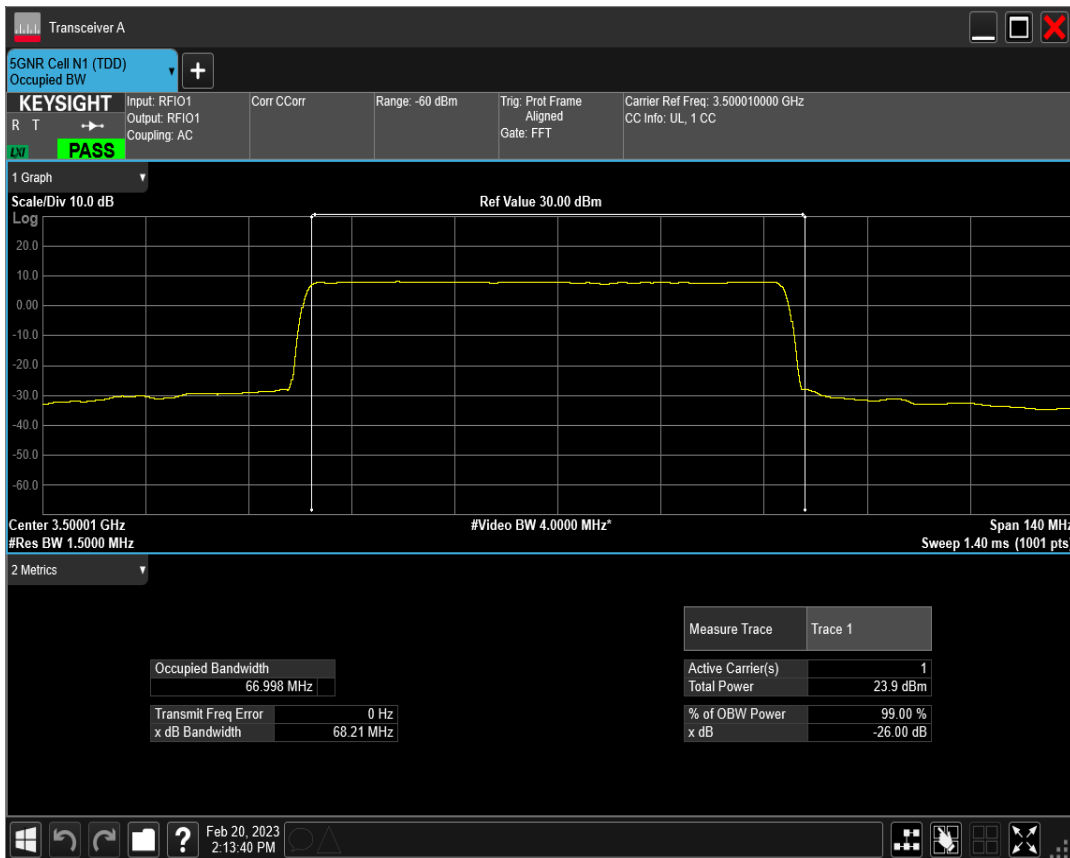
n78(3450-3550) SCS=30kHz DFT\_QPSK BW=70MHz Channel=633334 RB=180@0



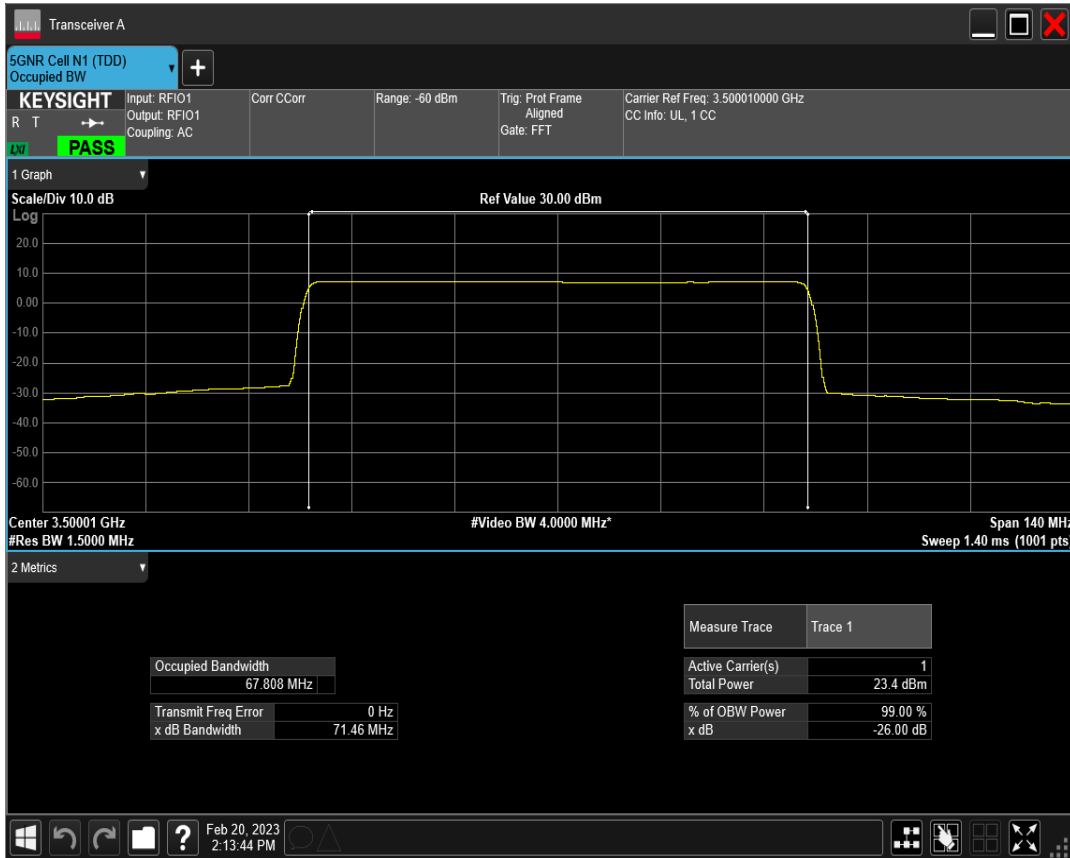
n78(3450-3550) SCS=30kHz DFT\_QAM16 BW=70MHz Channel=633334 RB=180@0



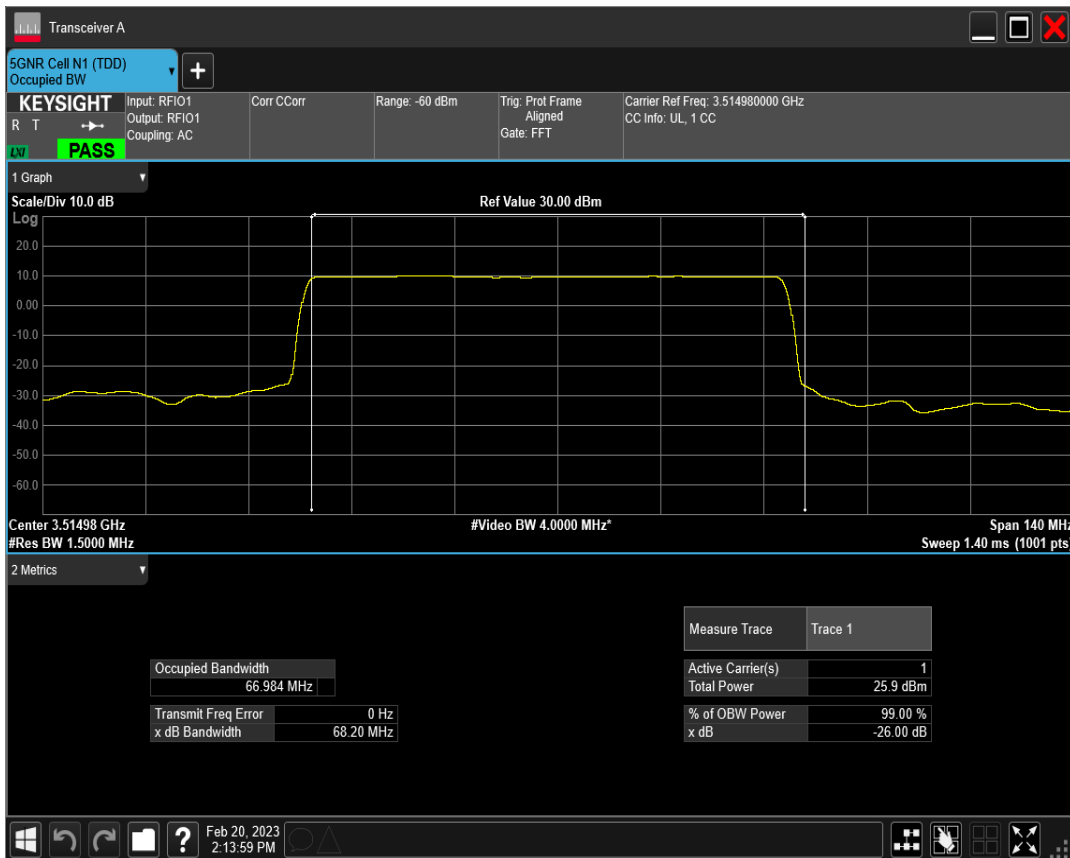
n78(3450-3550) SCS=30kHz DFT\_QAM64 BW=70MHz Channel=633334 RB=180@0



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



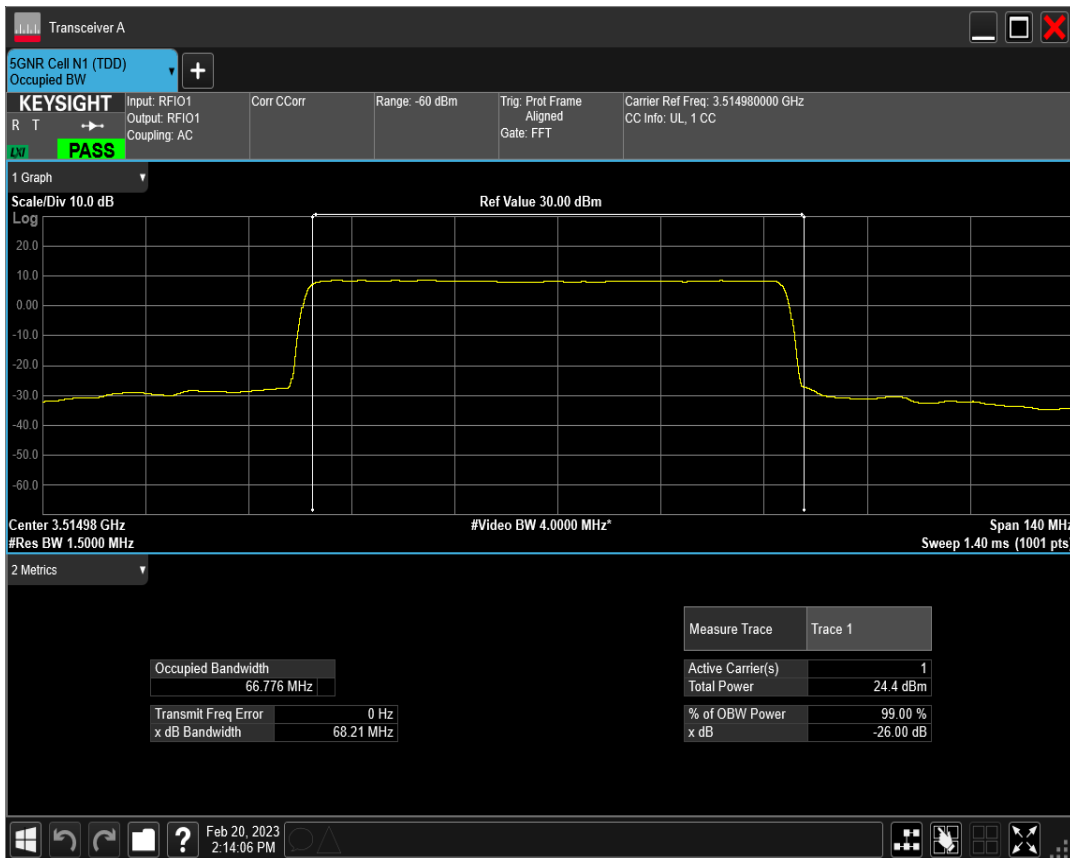
n78(3450-3550) SCS=30kHz DFT\_BPSK BW=70MHz Channel=634332 RB=180@0



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



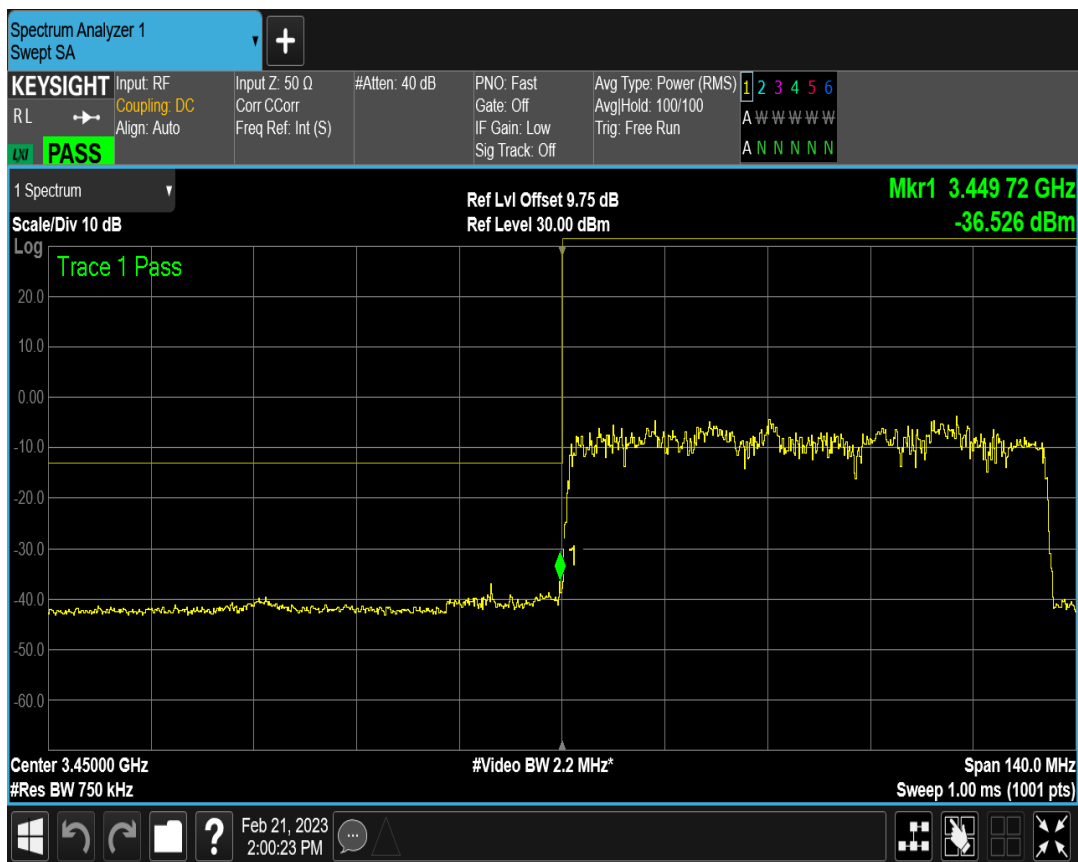
n78(3450-3550) SCS=30kHz CP\_QPSK BW=70MHz Channel=634332 RB=189@0



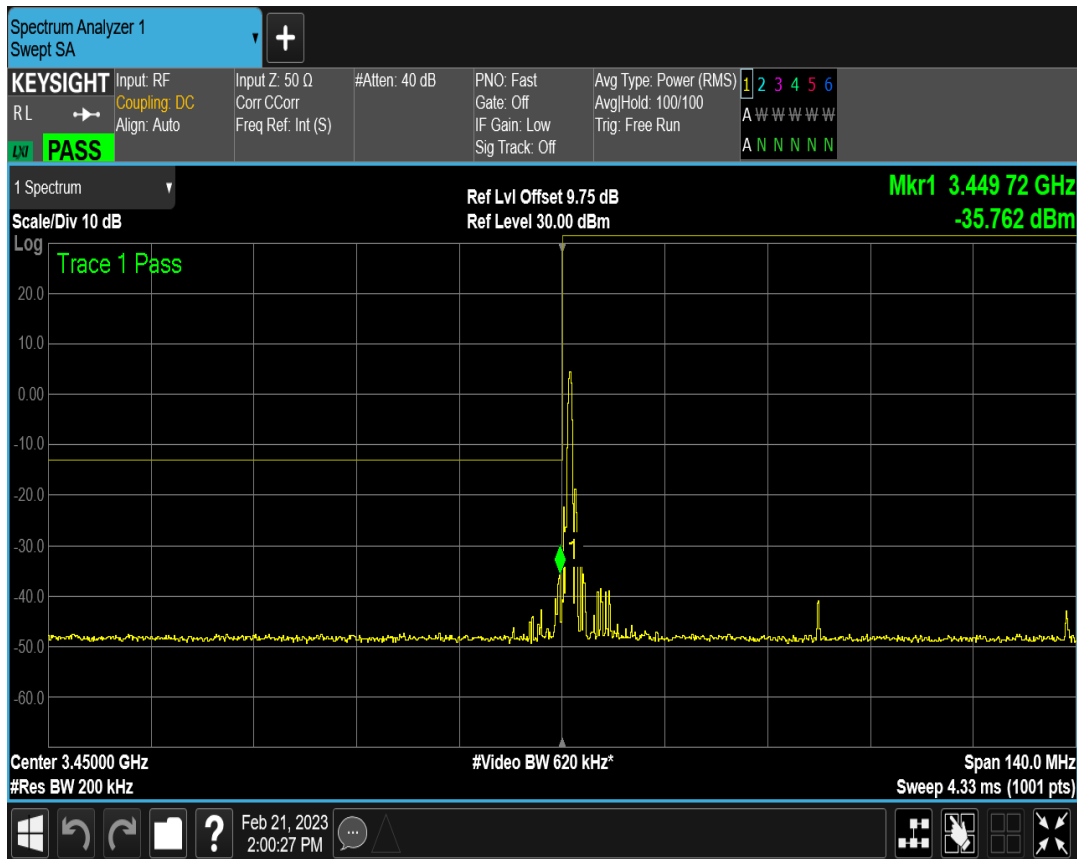
## 5 Band edge for NR FR1

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	3449.72	-36.52	-13	PASS
n78(3450-3550)	30	70	632334	1@0	DFT_QPSK	3449.72	-35.76	-13	PASS
n78(3450-3550)	30	70	634332	180@0	DFT_QPSK	3600.68	-37.87	-13	PASS
n78(3450-3550)	30	70	634332	1@188	DFT_QPSK	3550.28	-36.89	-13	PASS

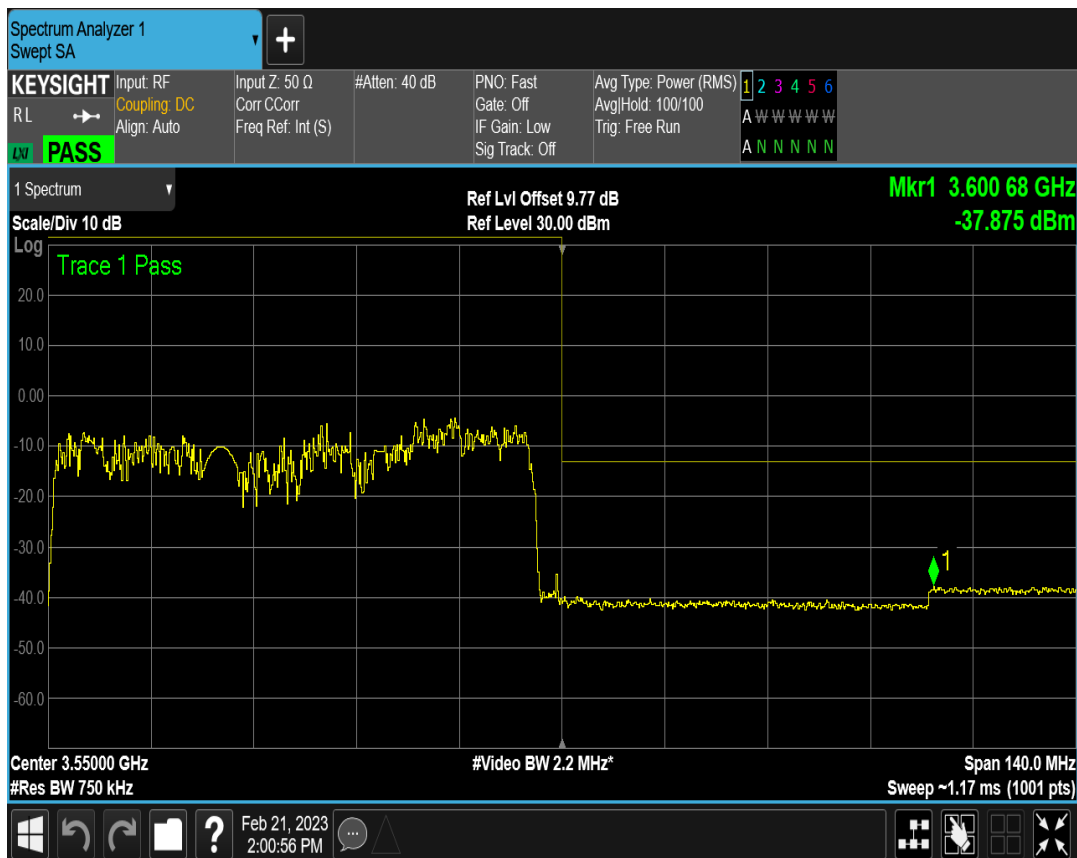
n78(3450-3550) SCS=30kHz DFT\_QPSK BW=70MHz Channel=632334 RB=180@0



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

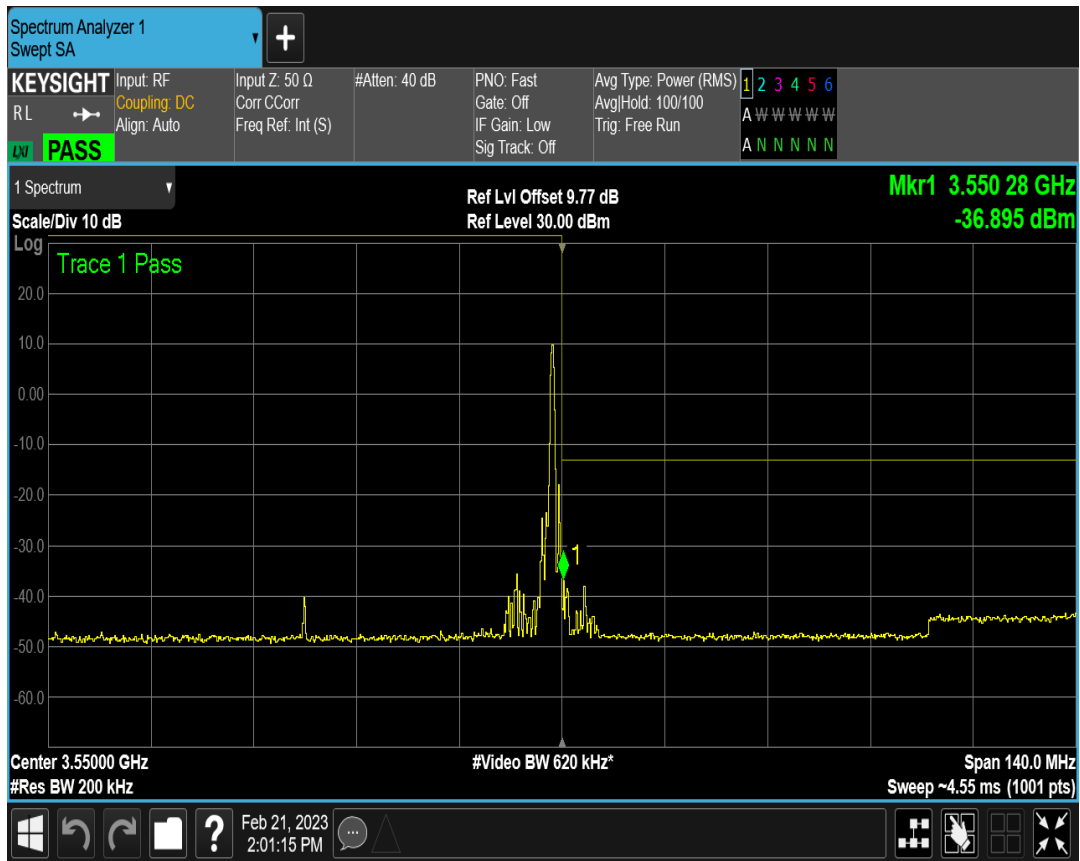


n78(3450-3550) SCS=30kHz DFT\_QPSK BW=70MHz Channel=634332 RB=180@0



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

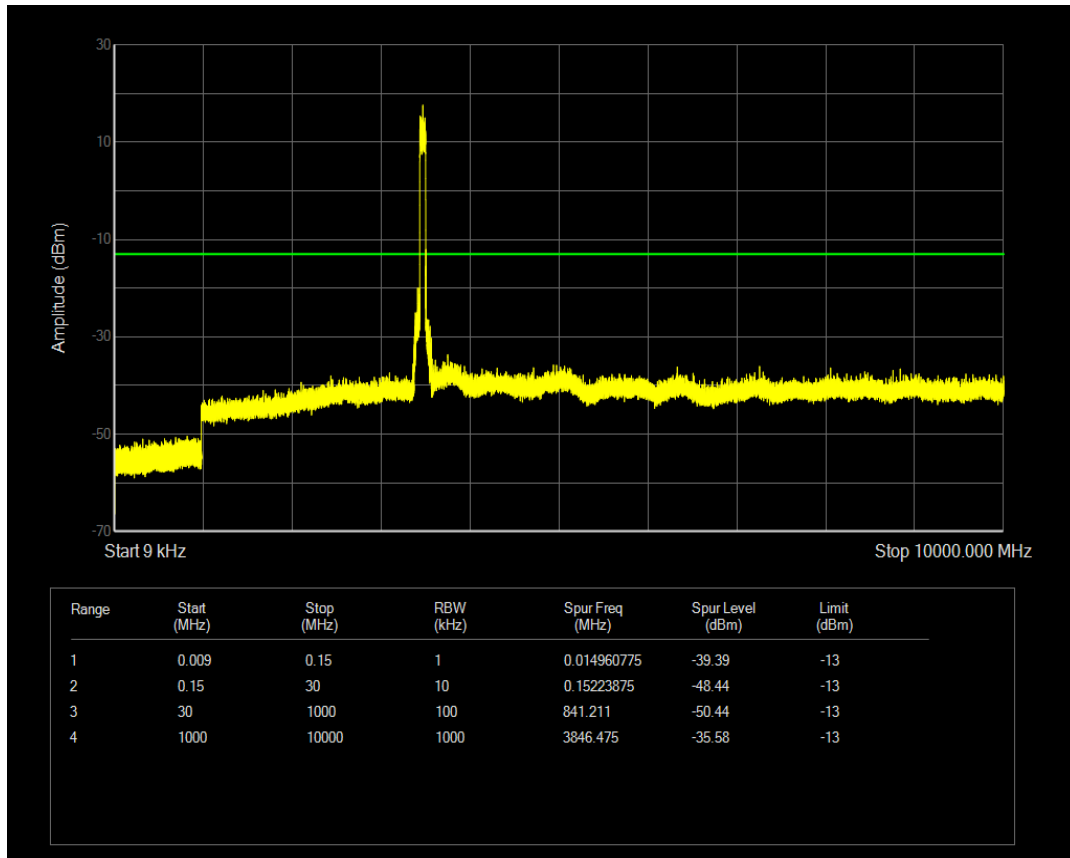




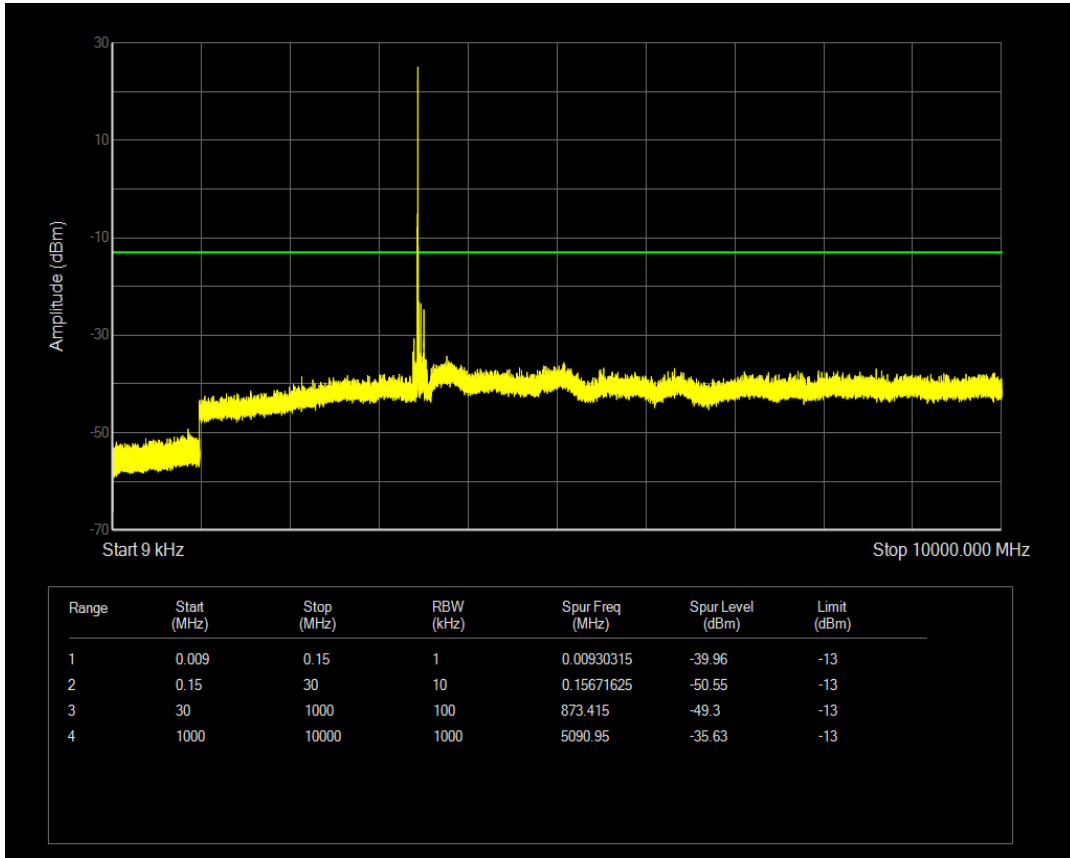
## 6 Out-of-band emissions for NR FR1

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	3846.48	-35.58	-13	PASS
n78(3450-3550)	30	70	632334	1@0	DFT_QPSK	5090.95	-35.63	-13	PASS
n78(3450-3550)	30	70	632334	1@188	DFT_QPSK	3895.08	-35.53	-13	PASS
n78(3450-3550)	30	70	633334	180@0	DFT_QPSK	3849.40	-35.64	-13	PASS
n78(3450-3550)	30	70	633334	1@0	DFT_QPSK	3851.65	-35.20	-13	PASS
n78(3450-3550)	30	70	633334	1@188	DFT_QPSK	4816.23	-35.33	-13	PASS
n78(3450-3550)	30	70	634332	180@0	DFT_QPSK	3847.38	-35.49	-13	PASS
n78(3450-3550)	30	70	634332	1@0	DFT_QPSK	3838.38	-34.82	-13	PASS
n78(3450-3550)	30	70	634332	1@188	DFT_QPSK	3877.30	-34.85	-13	PASS

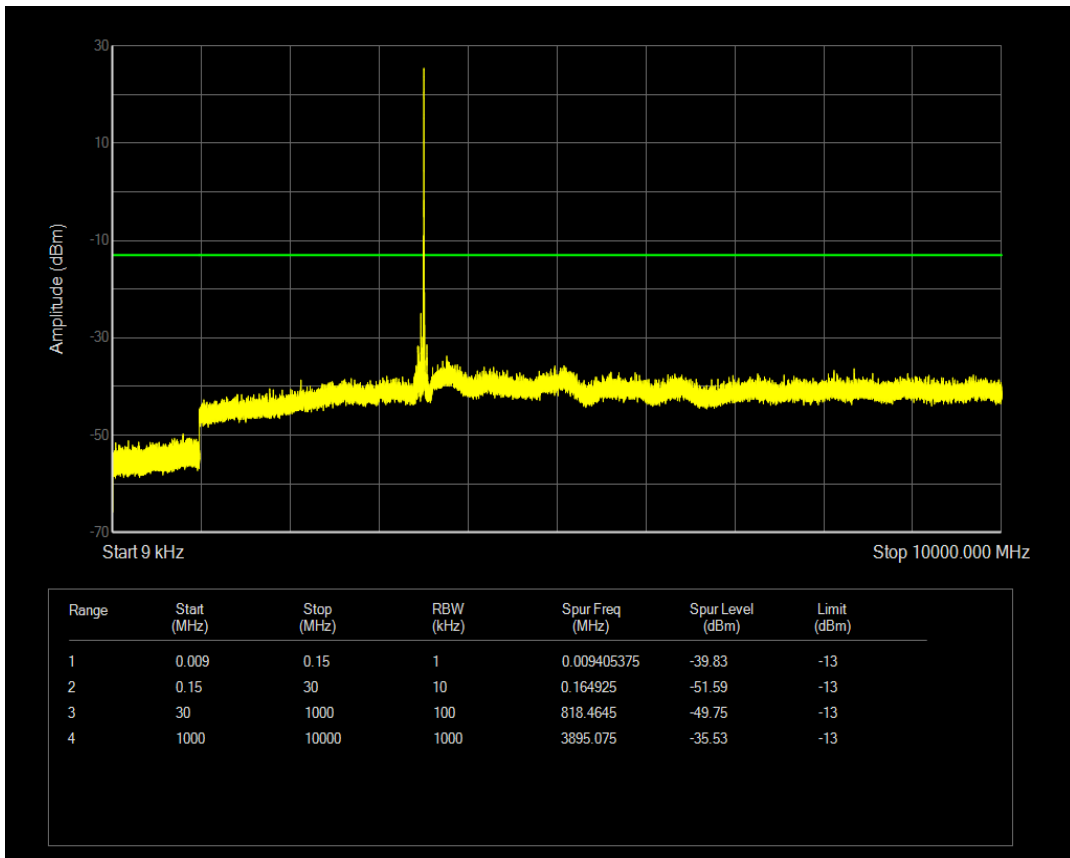
n78(3450-3550) SCS=30kHz DFT\_QPSK BW=70MHz Channel=632334 RB=180@0



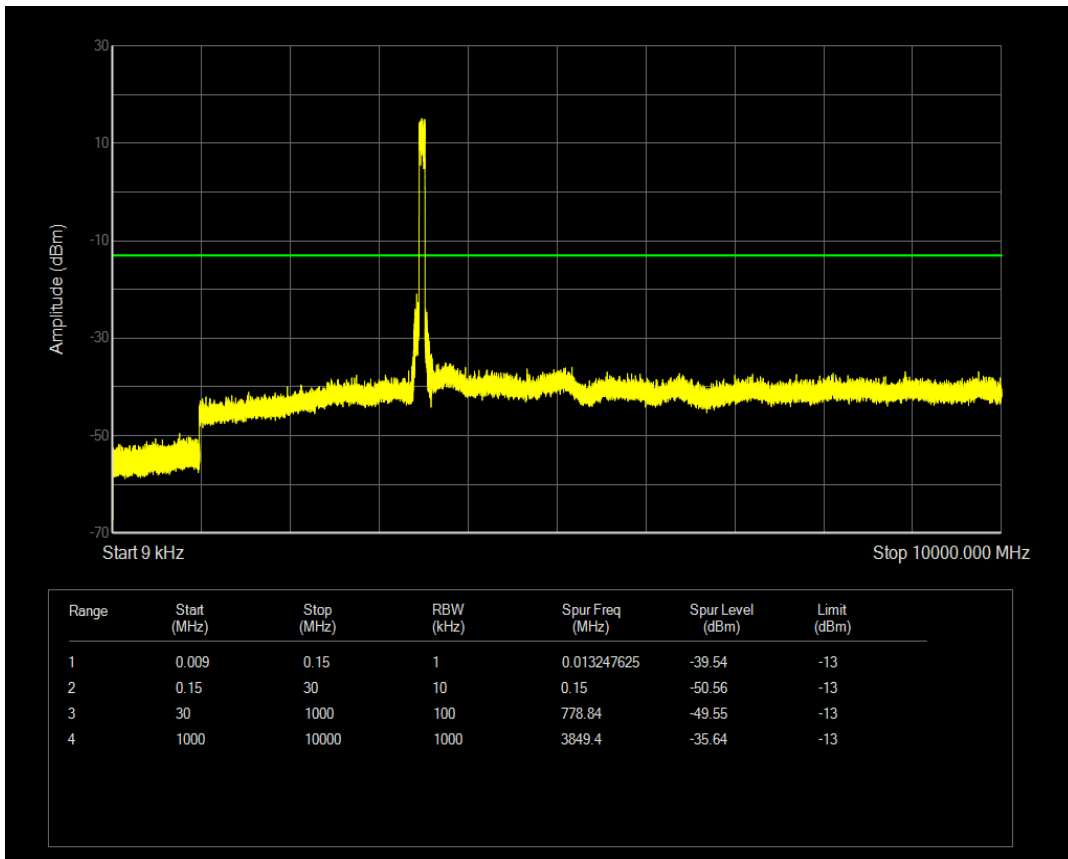
n78(3450-3550) SCS=30kHz DFT\_QPSK BW=70MHz Channel=632334 RB=1@0



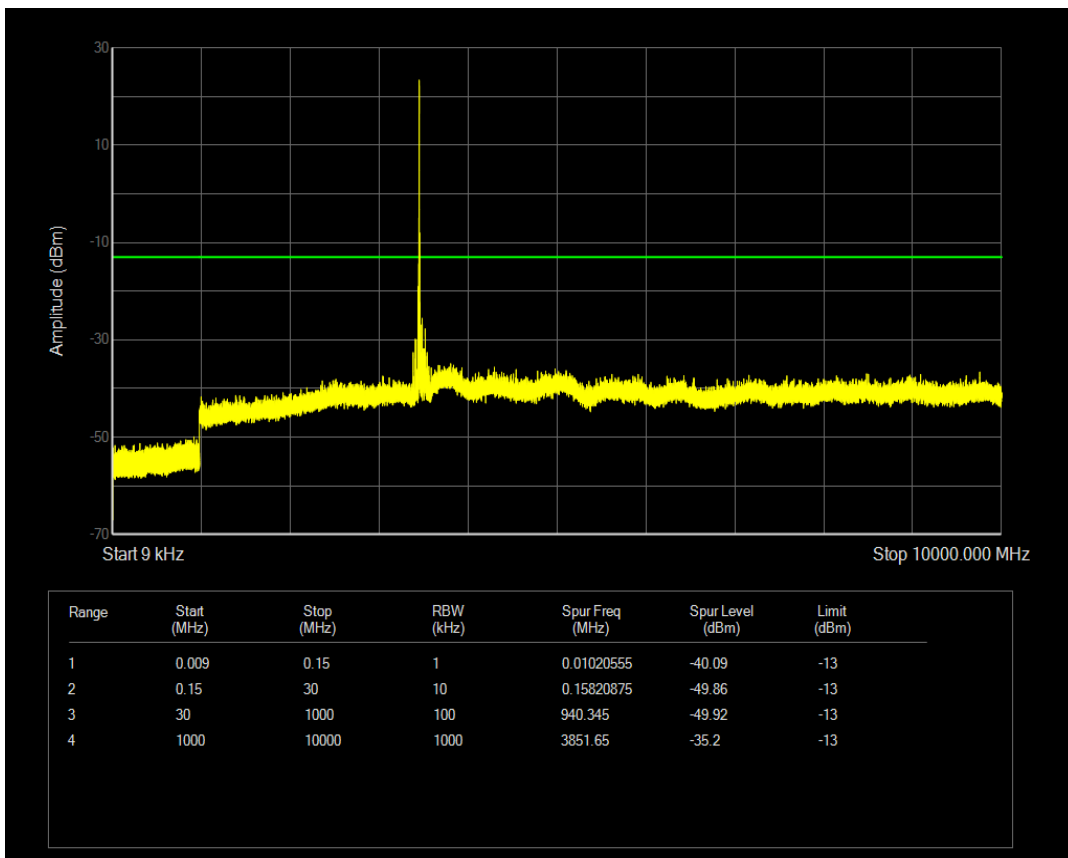
n78(3450-3550) SCS=30kHz DFT\_QPSK BW=70MHz Channel=632334 RB=1@188



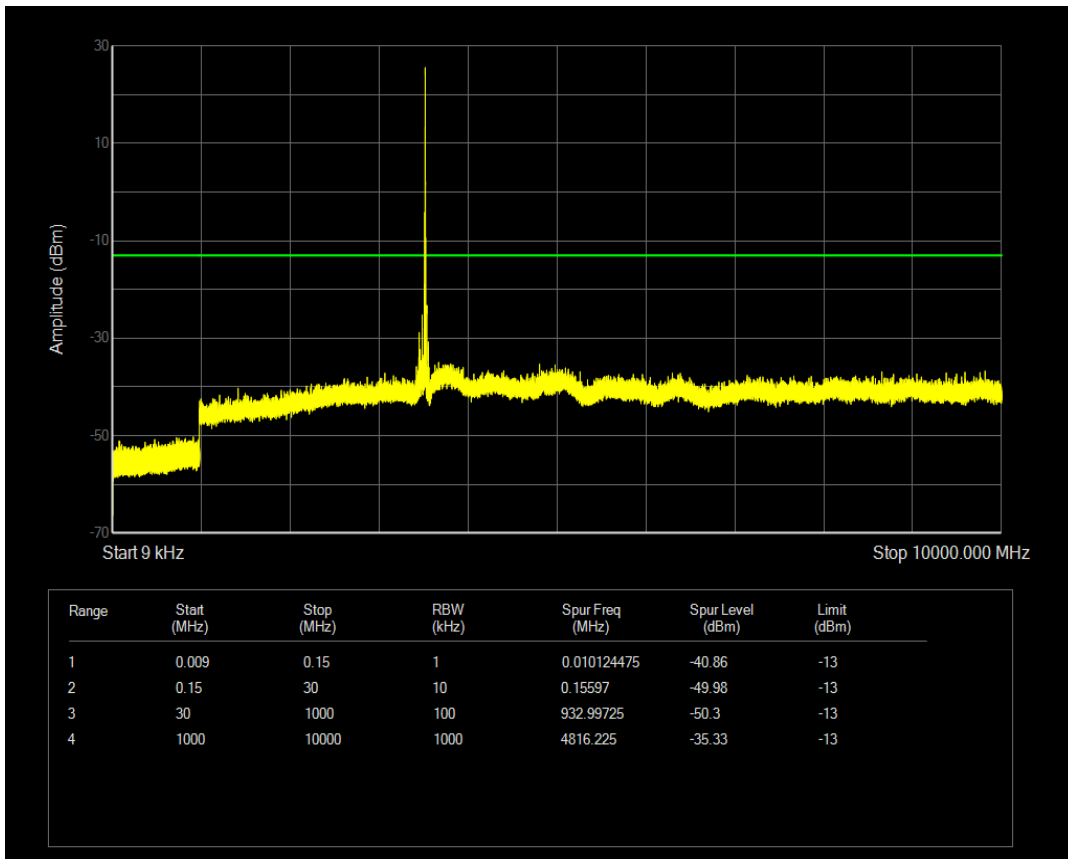
n78(3450-3550) SCS=30kHz DFT\_QPSK BW=70MHz Channel=633334 RB=180@0



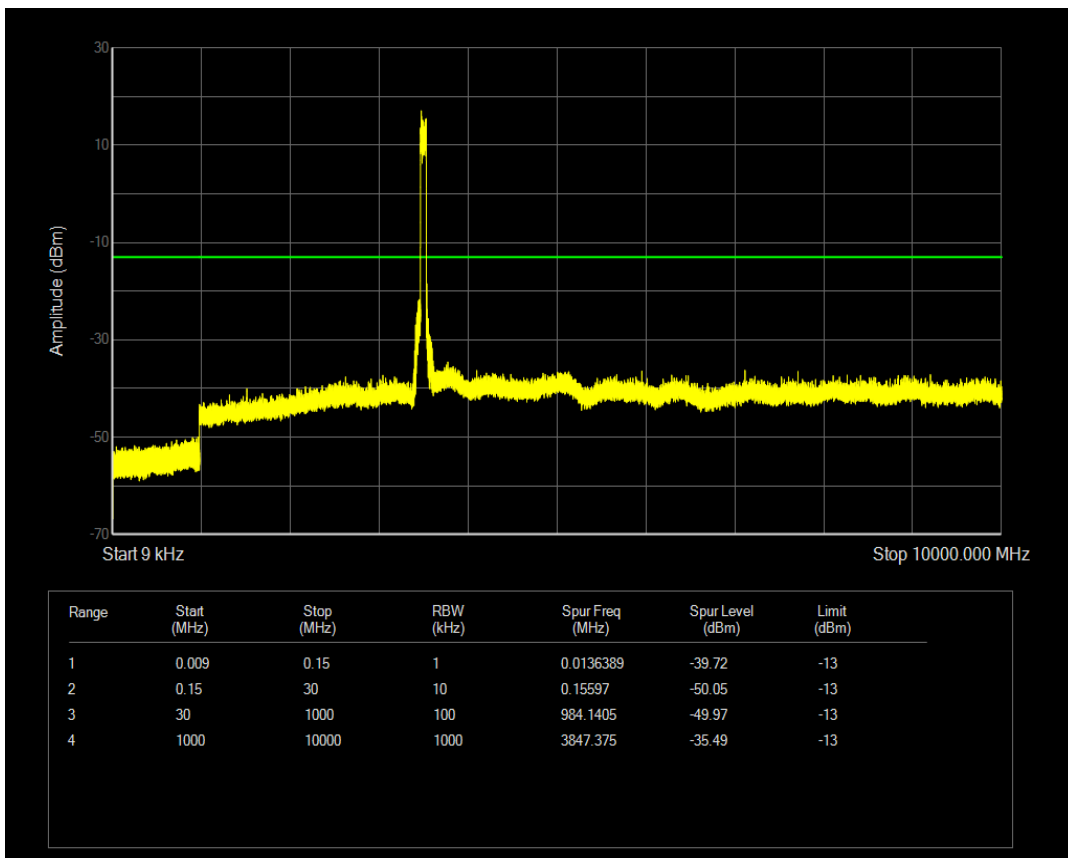
n78(3450-3550) SCS=30kHz DFT\_QPSK BW=70MHz Channel=633334 RB=1@0



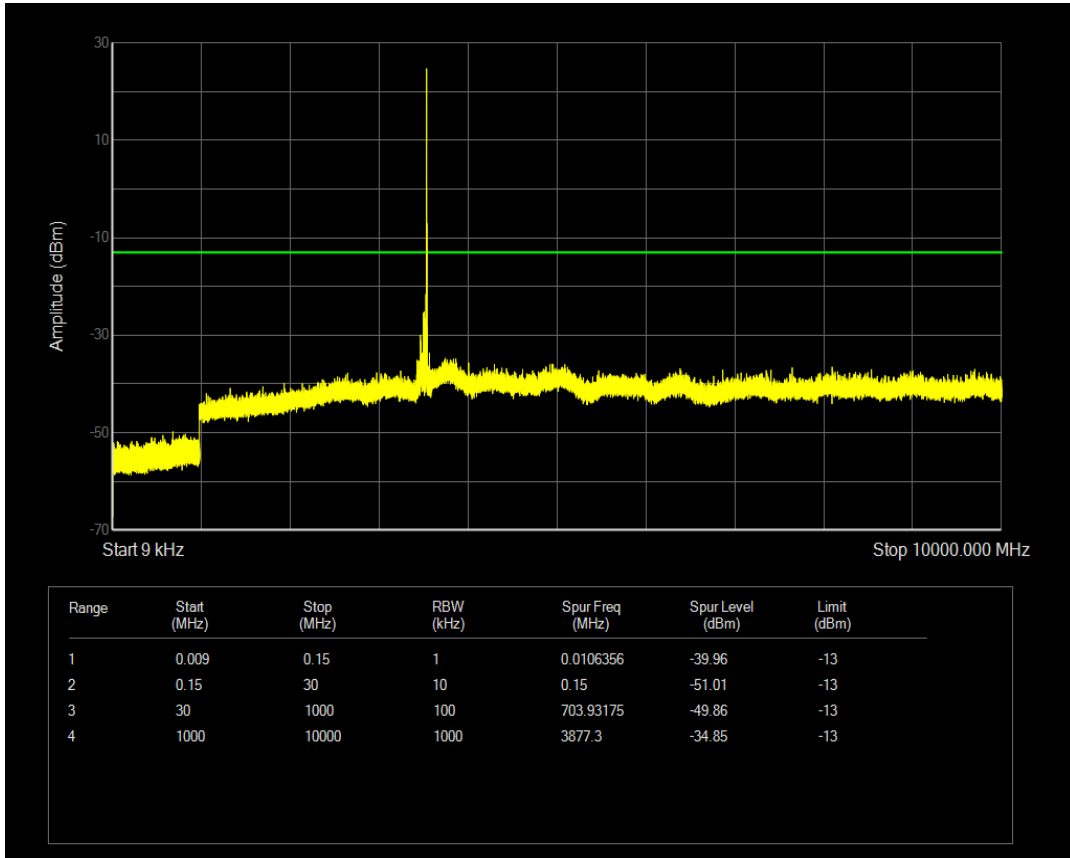
n78(3450-3550) SCS=30kHz DFT\_QPSK BW=70MHz Channel=633334 RB=1@188



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@188



n78(3450-3550) SCS=30kHz DFT\_QPSK BW=70MHz Channel=634332 RB=1 @0

