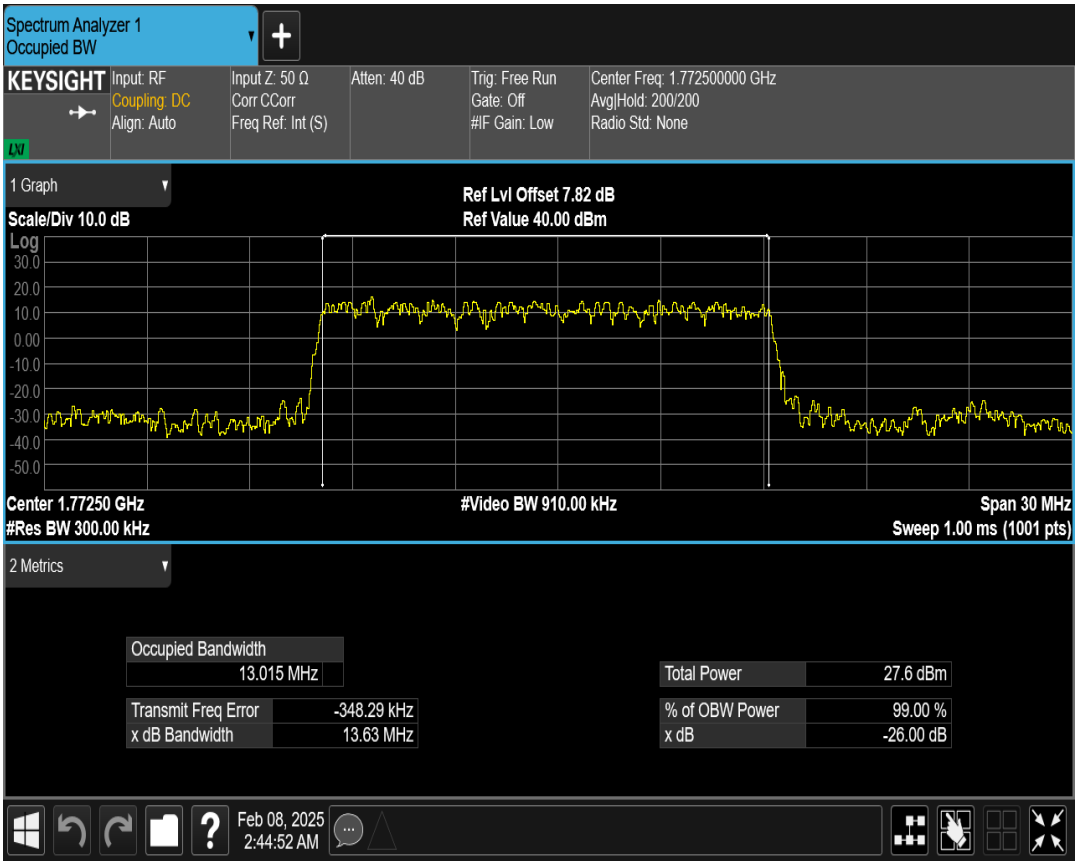
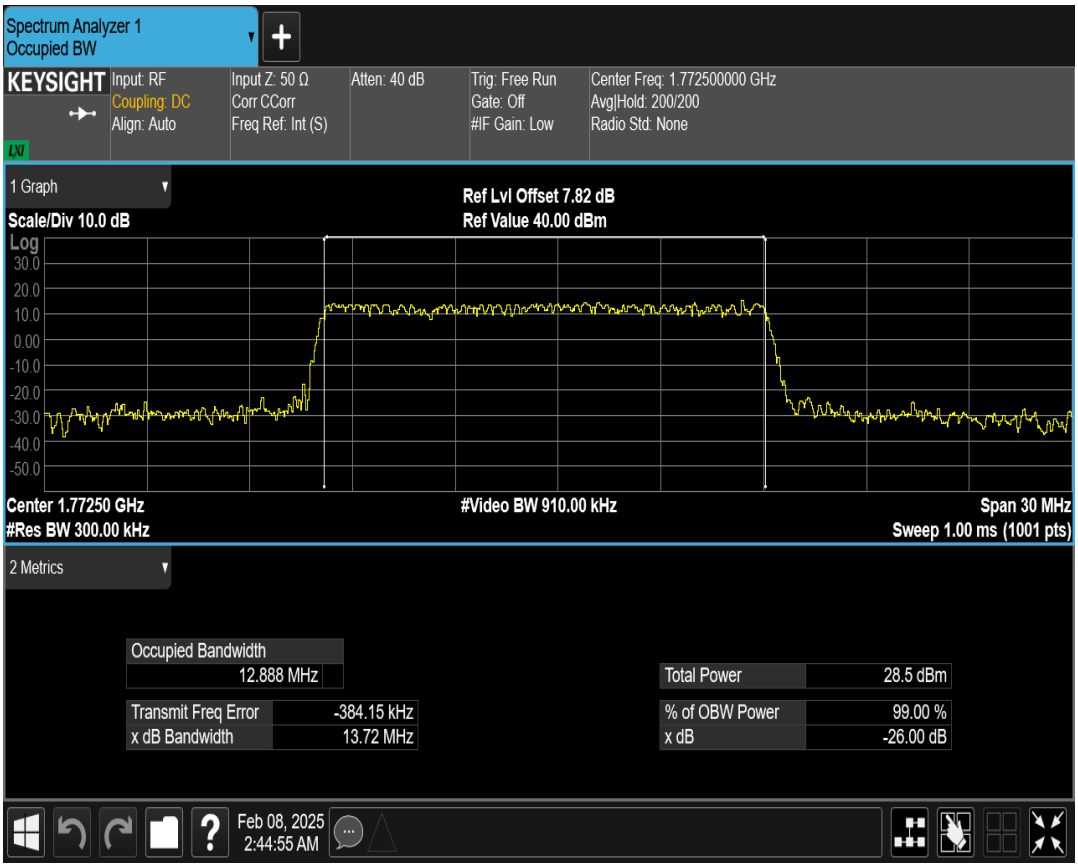
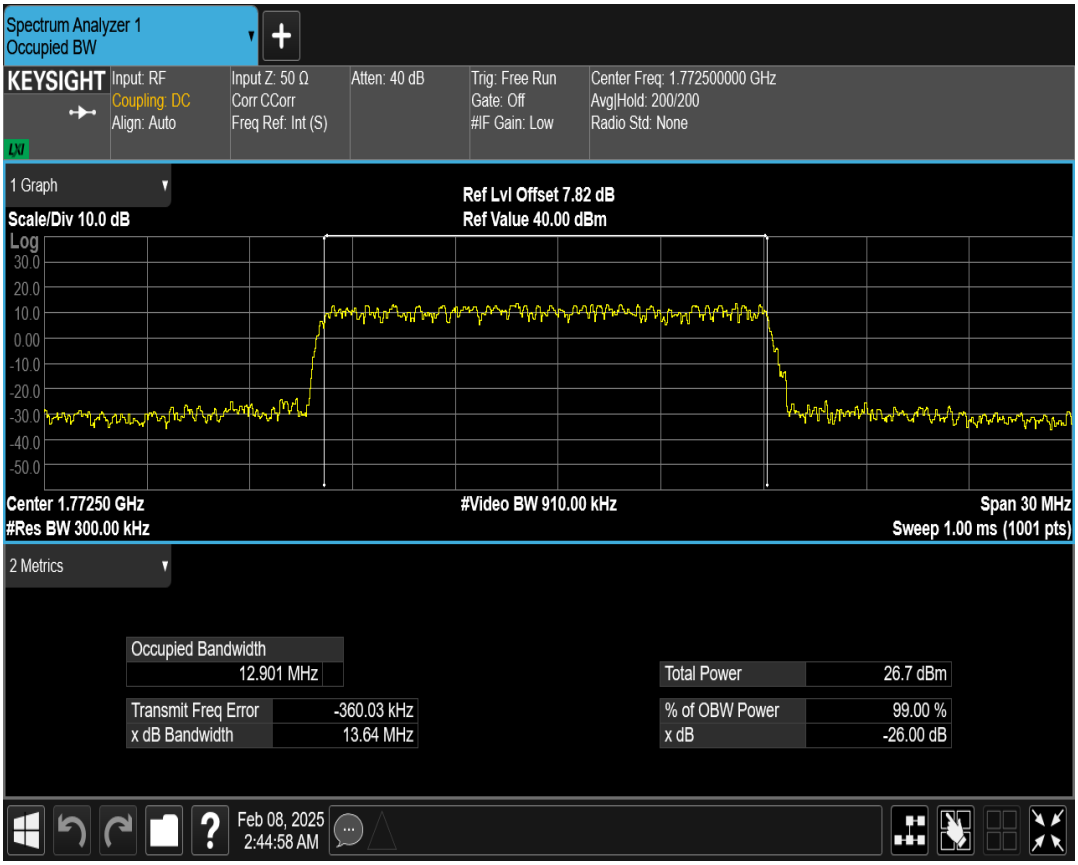
n66 SCS=30kHz DFT_BPSK BW=15MHz Channel=354500 RB=36@0



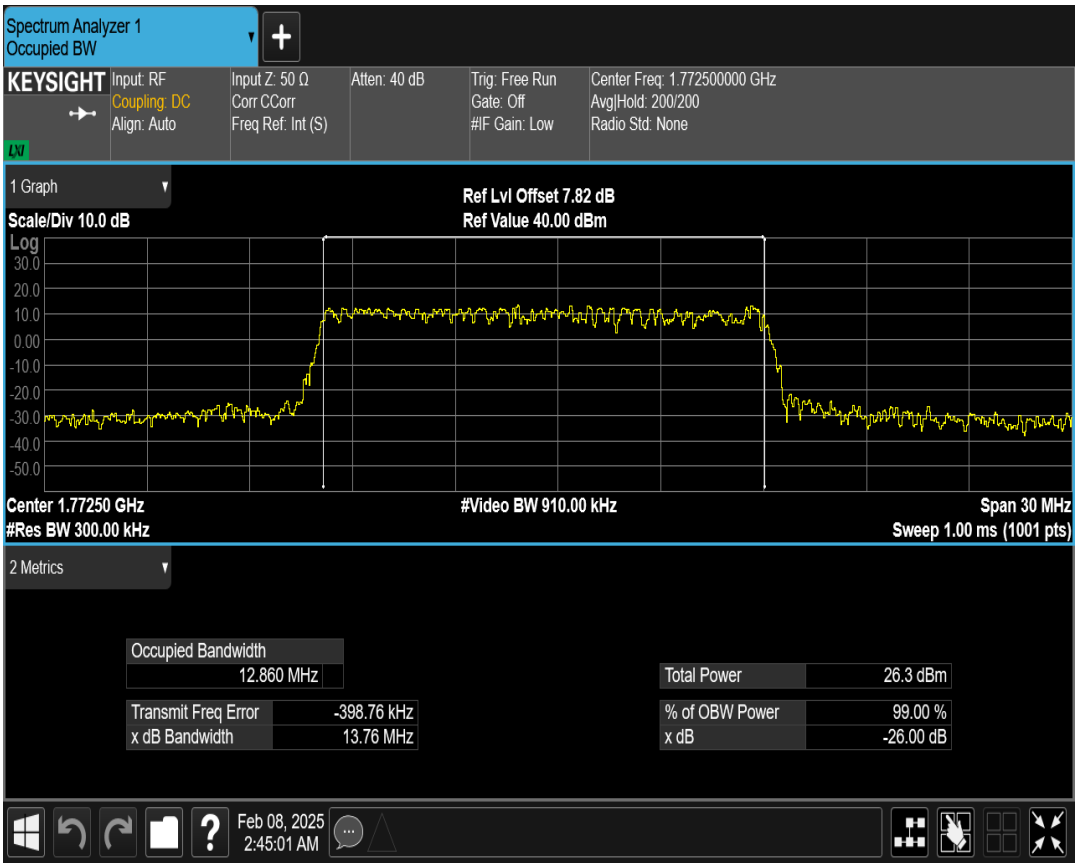
n66 SCS=30kHz DFT_QPSK BW=15MHz Channel=354500 RB=36@0



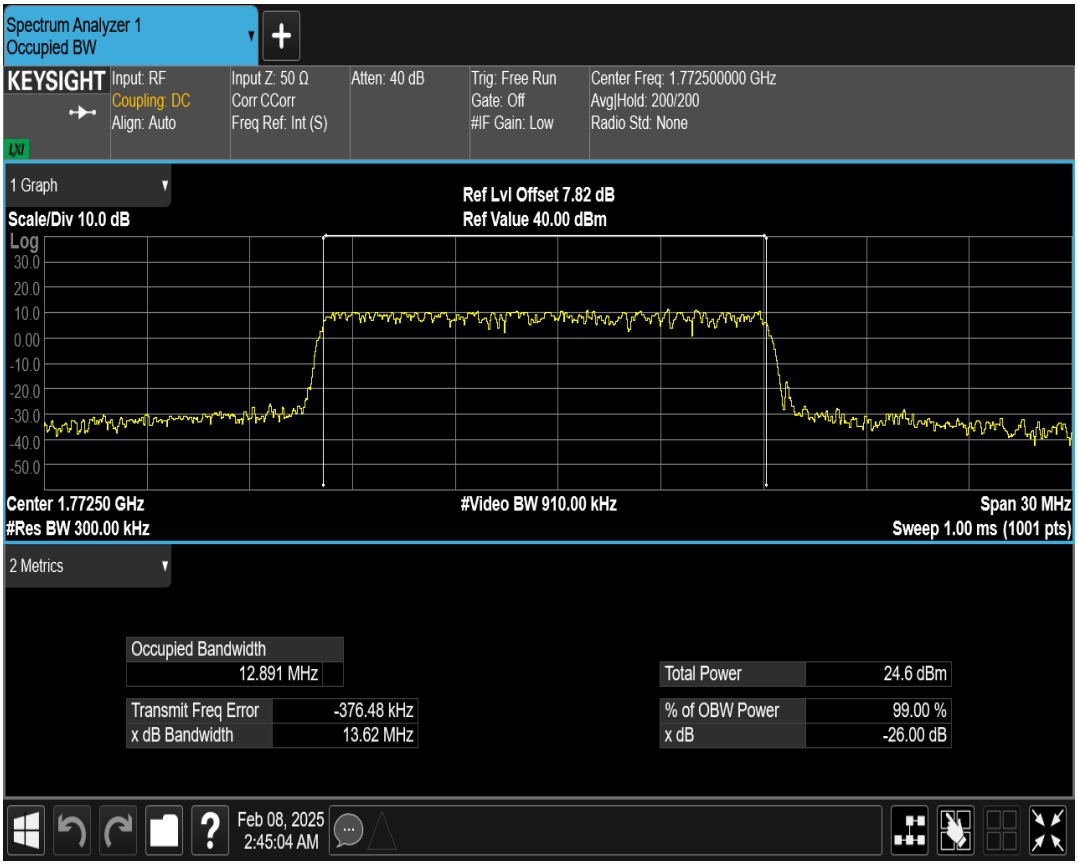
n66 SCS=30kHz DFT_QAM16 BW=15MHz Channel=354500 RB=36@0



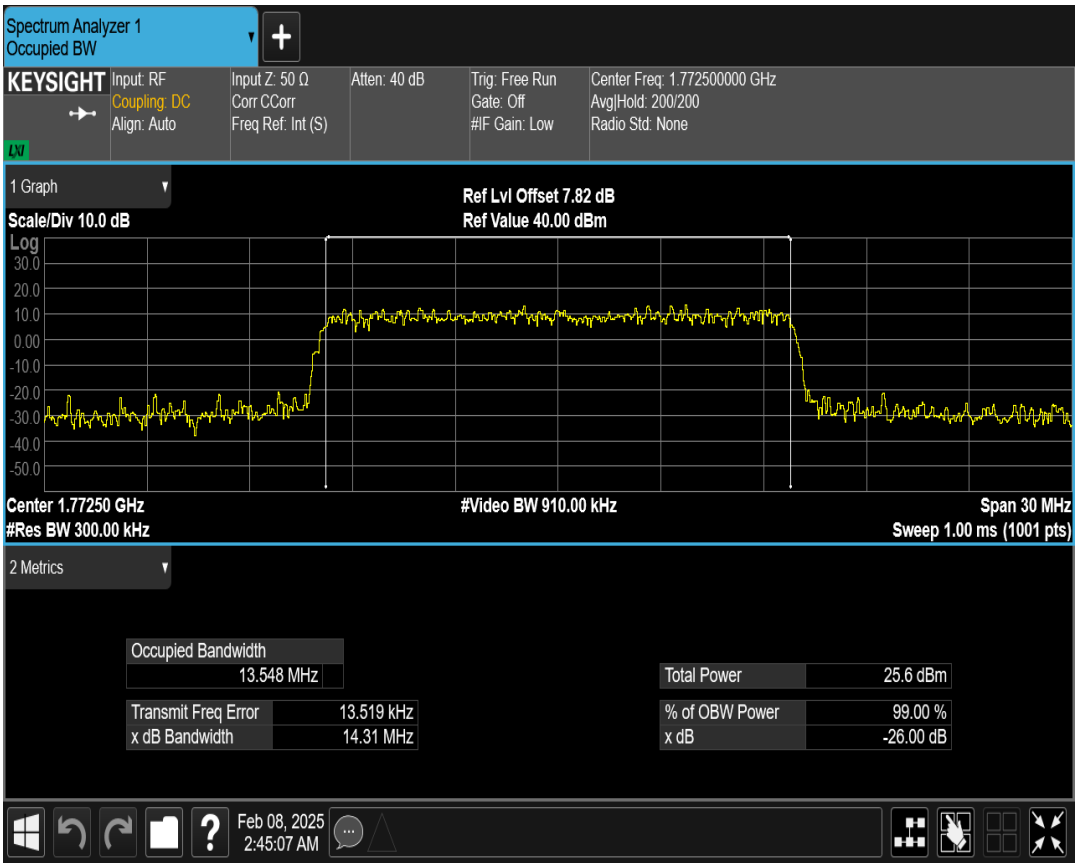
n66 SCS=30kHz DFT_QAM64 BW=15MHz Channel=354500 RB=36@0



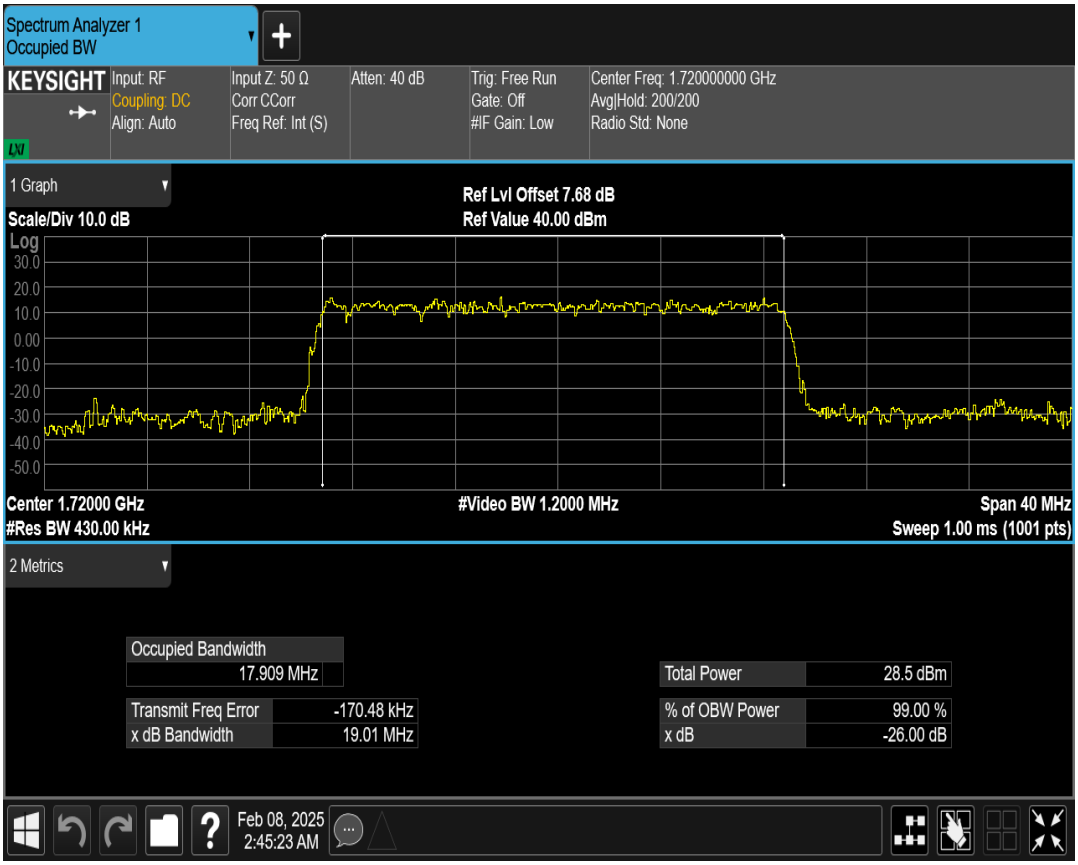
n66 SCS=30kHz DFT_QAM256 BW=15MHz Channel=354500 RB=36@0



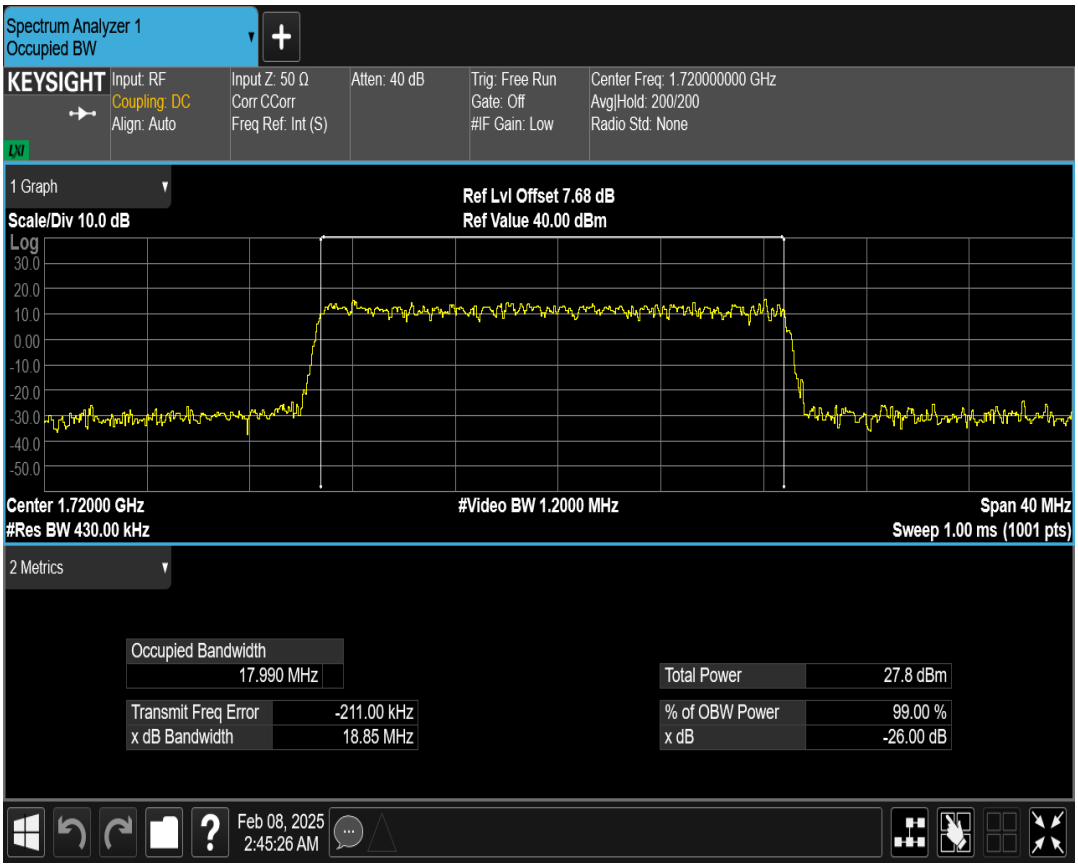
n66 SCS=30kHz CP_QPSK BW=15MHz Channel=354500 RB=38@0



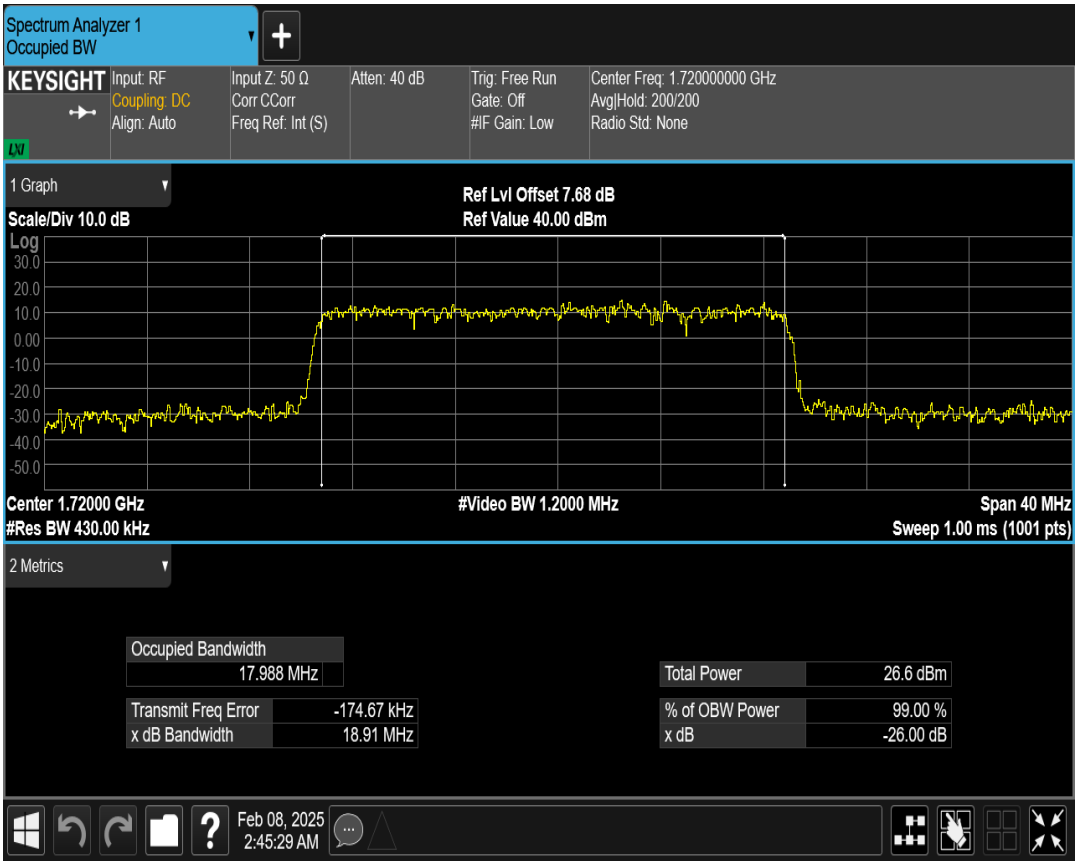
n66 SCS=30kHz DFT_BPSK BW=20MHz Channel=344000 RB=50@0



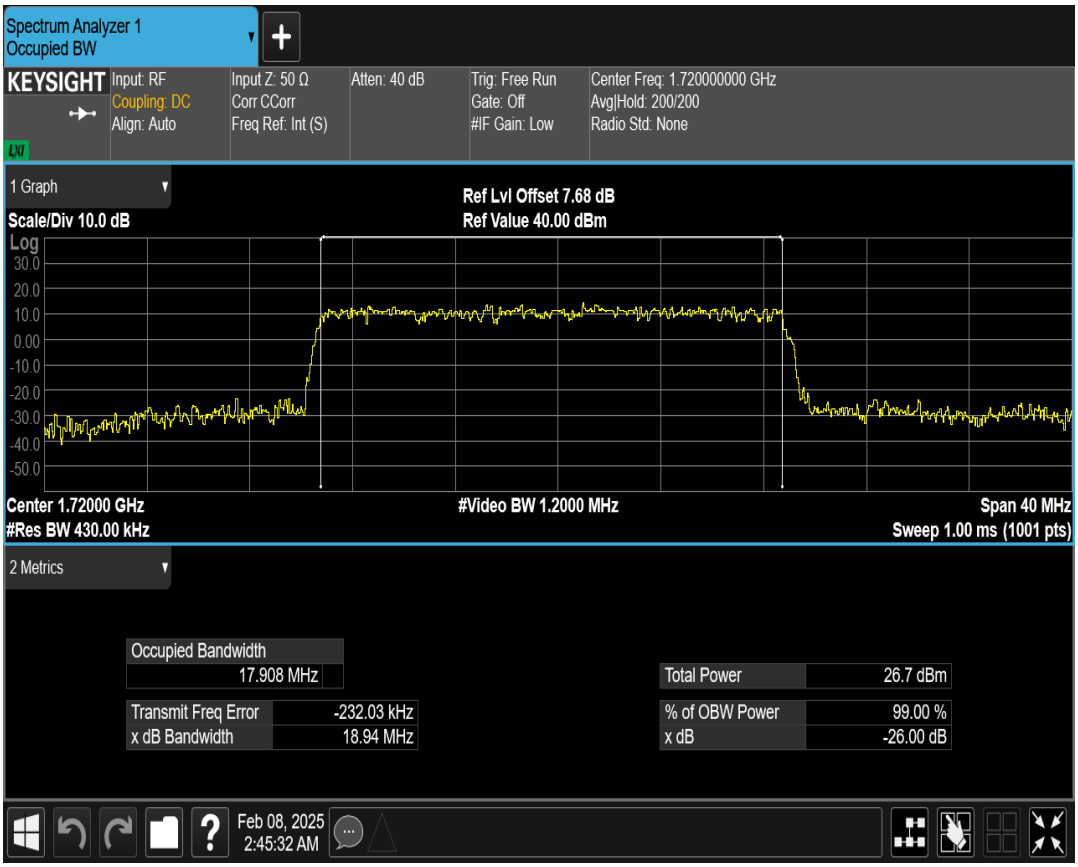
n66 SCS=30kHz DFT_QPSK BW=20MHz Channel=344000 RB=50@0



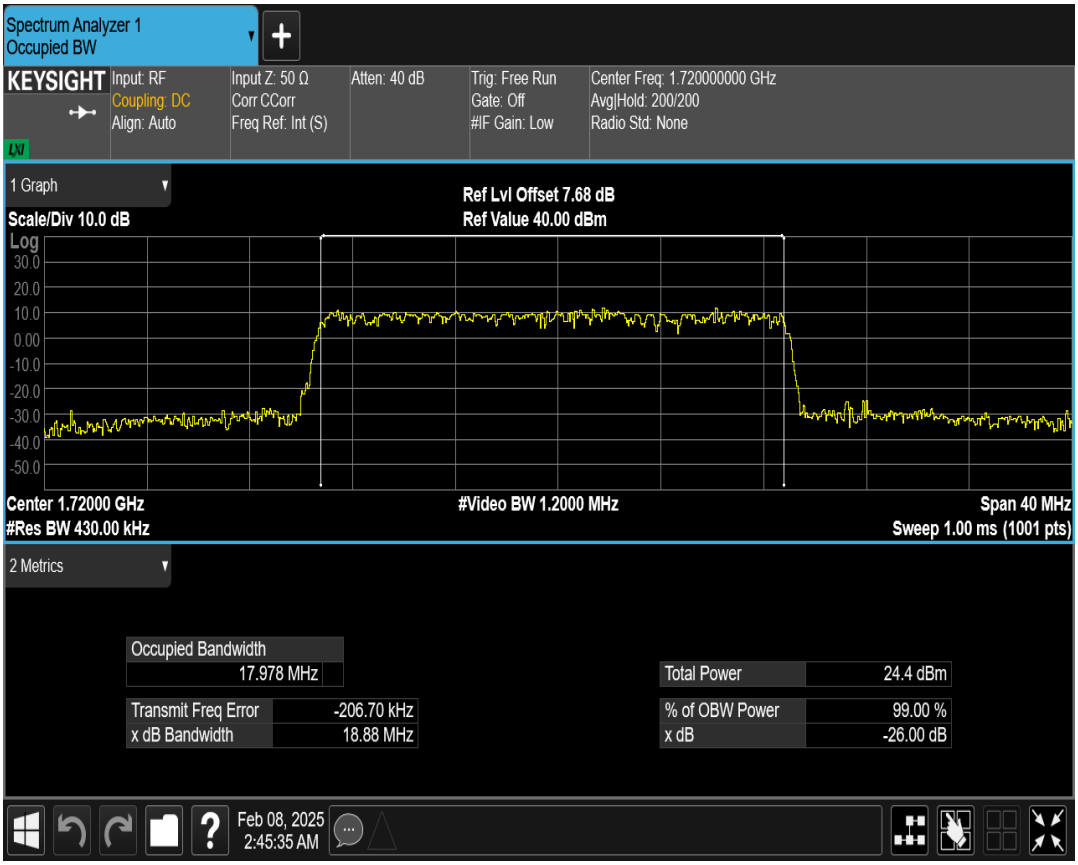
n66 SCS=30kHz DFT_QAM16 BW=20MHz Channel=344000 RB=50@0



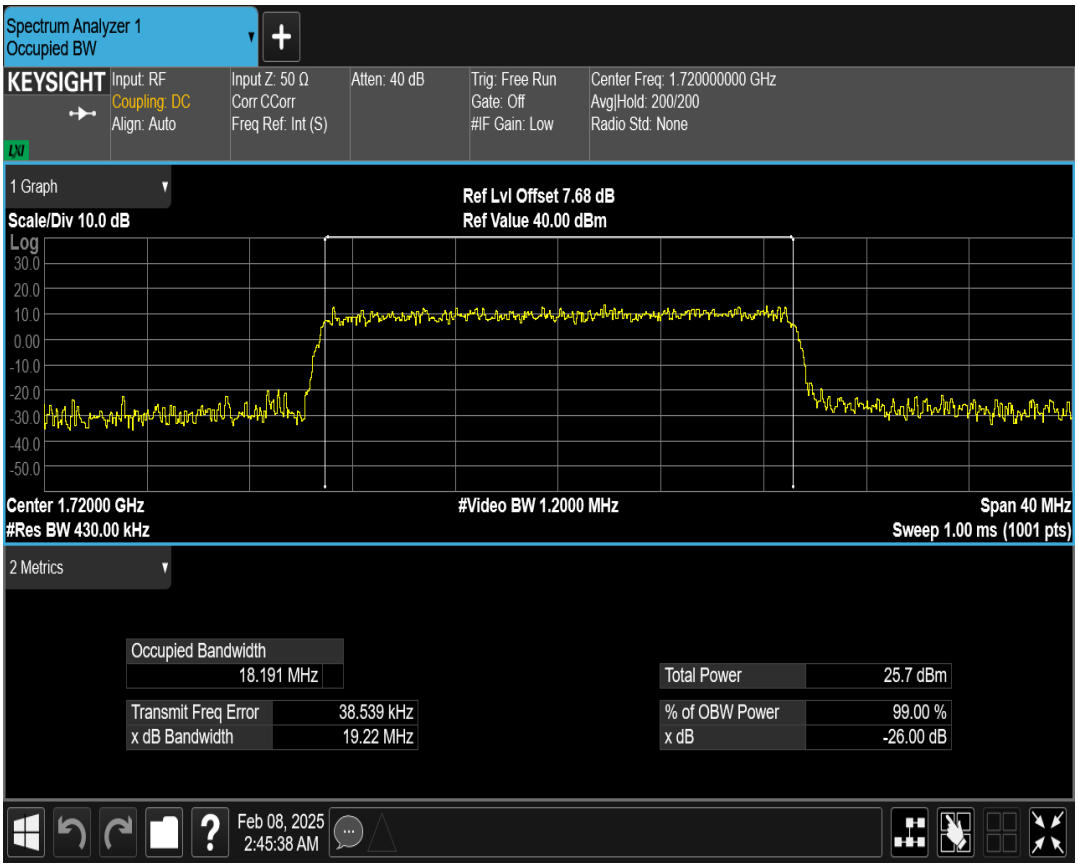
n66 SCS=30kHz DFT_QAM64 BW=20MHz Channel=344000 RB=50@0



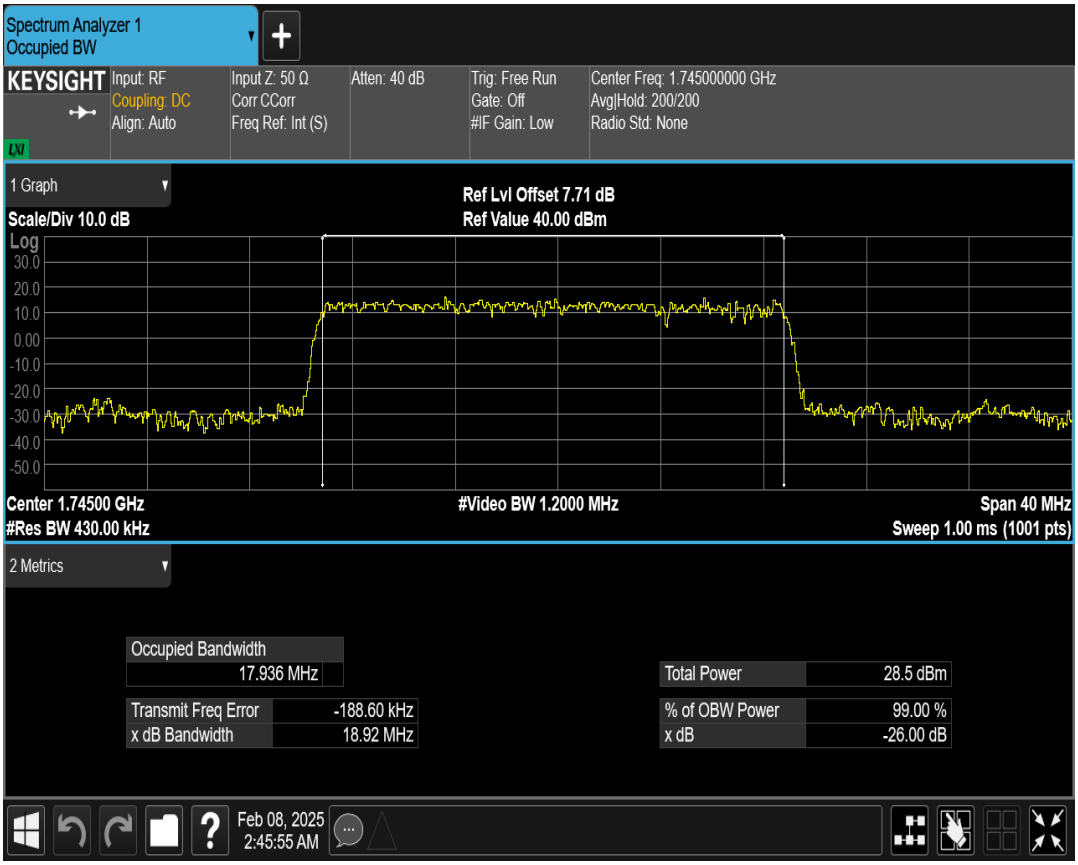
n66 SCS=30kHz DFT_QAM256 BW=20MHz Channel=344000 RB=50@0



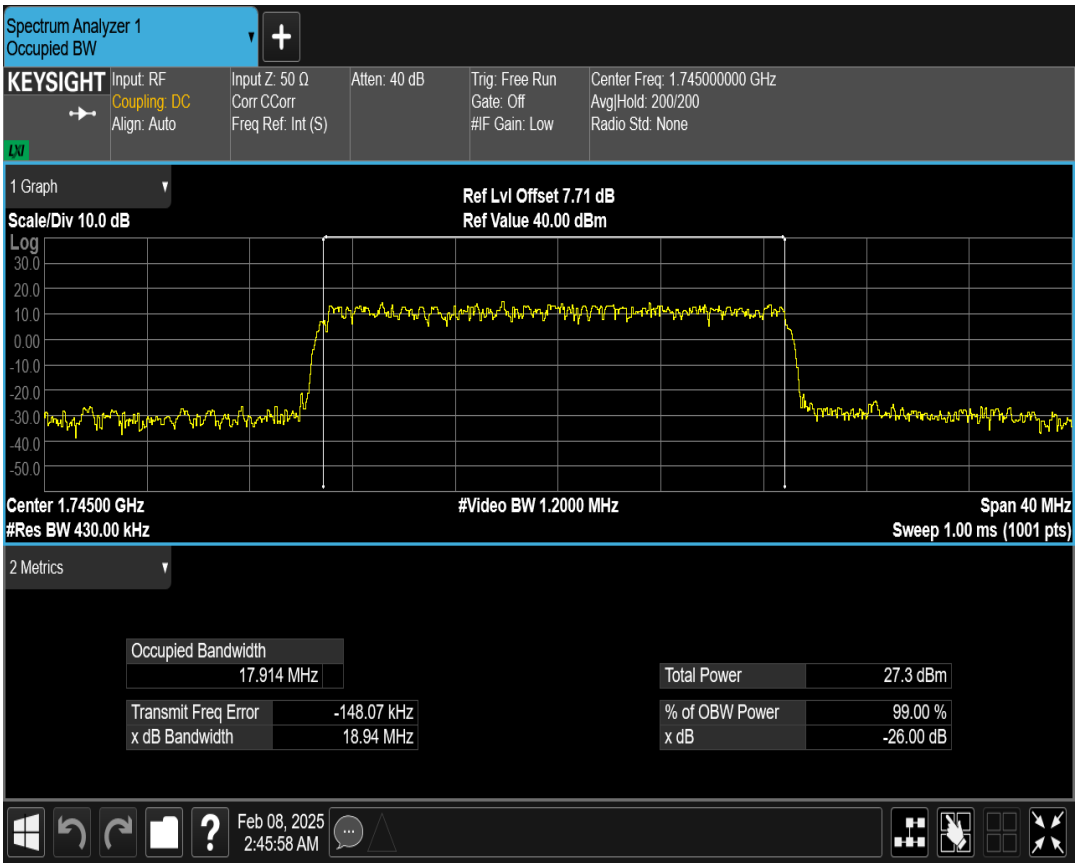
n66 SCS=30kHz CP_QPSK BW=20MHz Channel=344000 RB=51@0



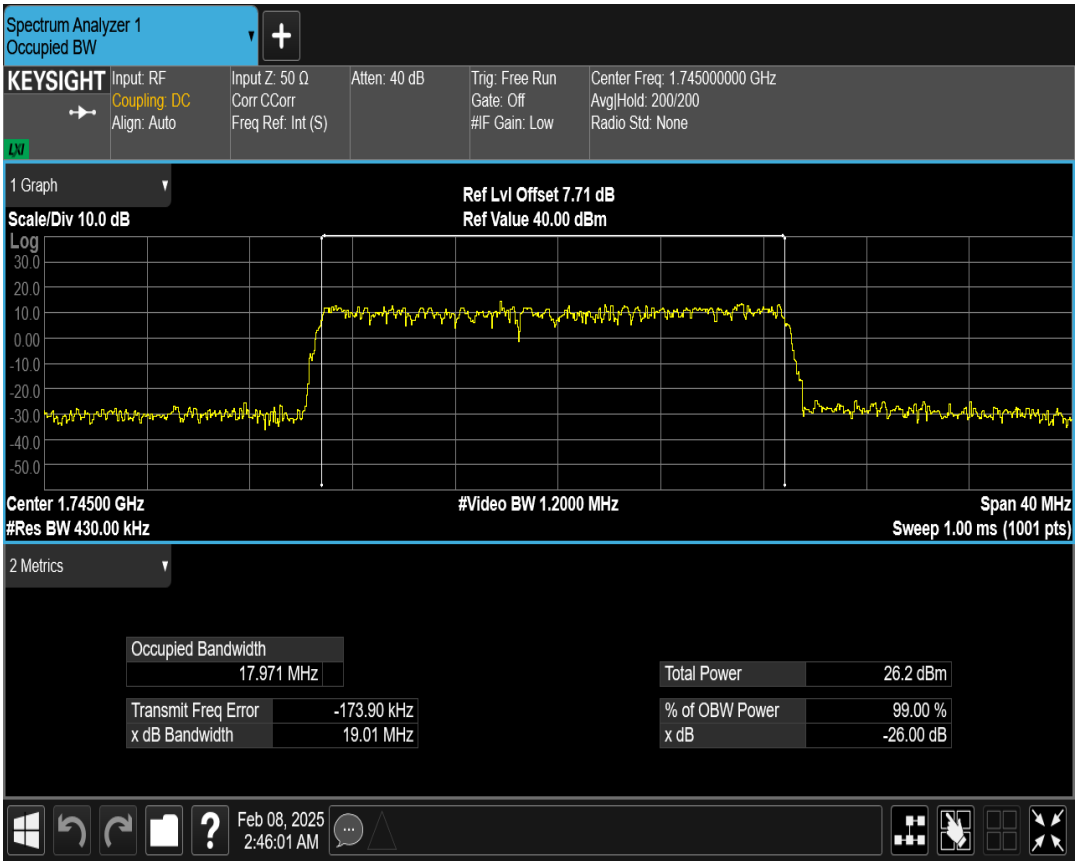
n66 SCS=30kHz DFT_BPSK BW=20MHz Channel=349000 RB=50@0



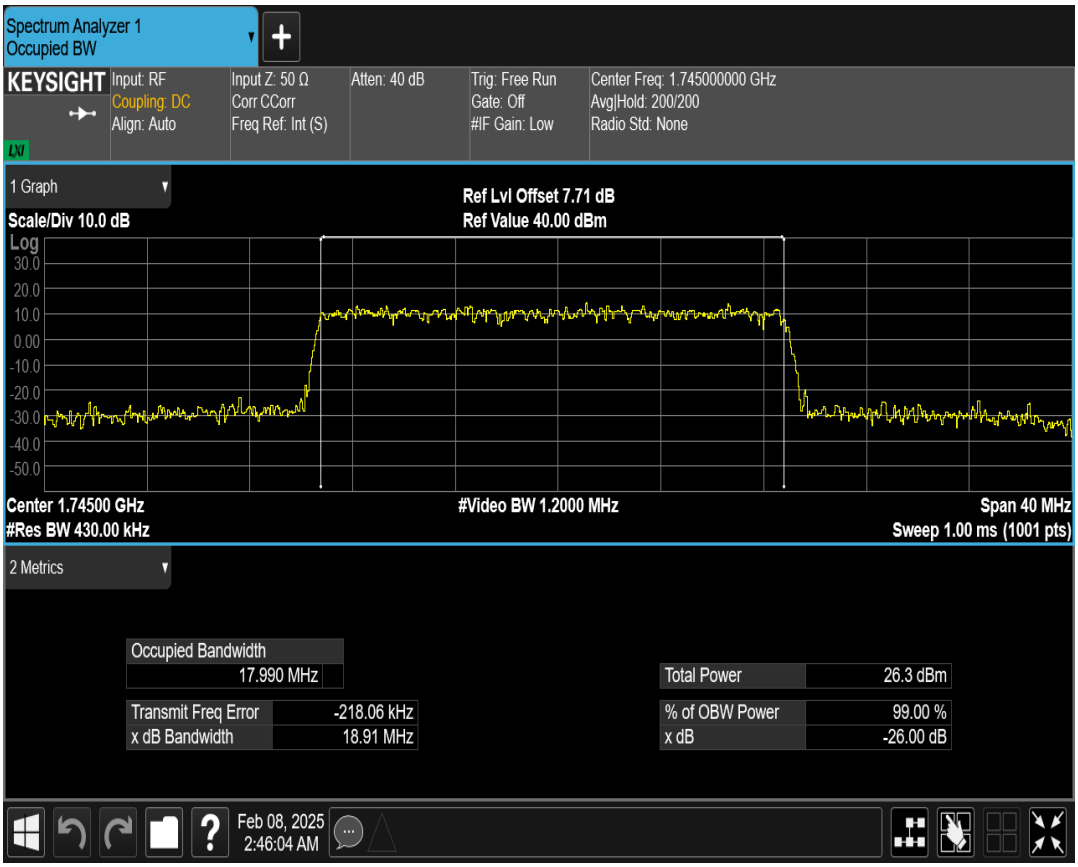
n66 SCS=30kHz DFT_QPSK BW=20MHz Channel=349000 RB=50@0



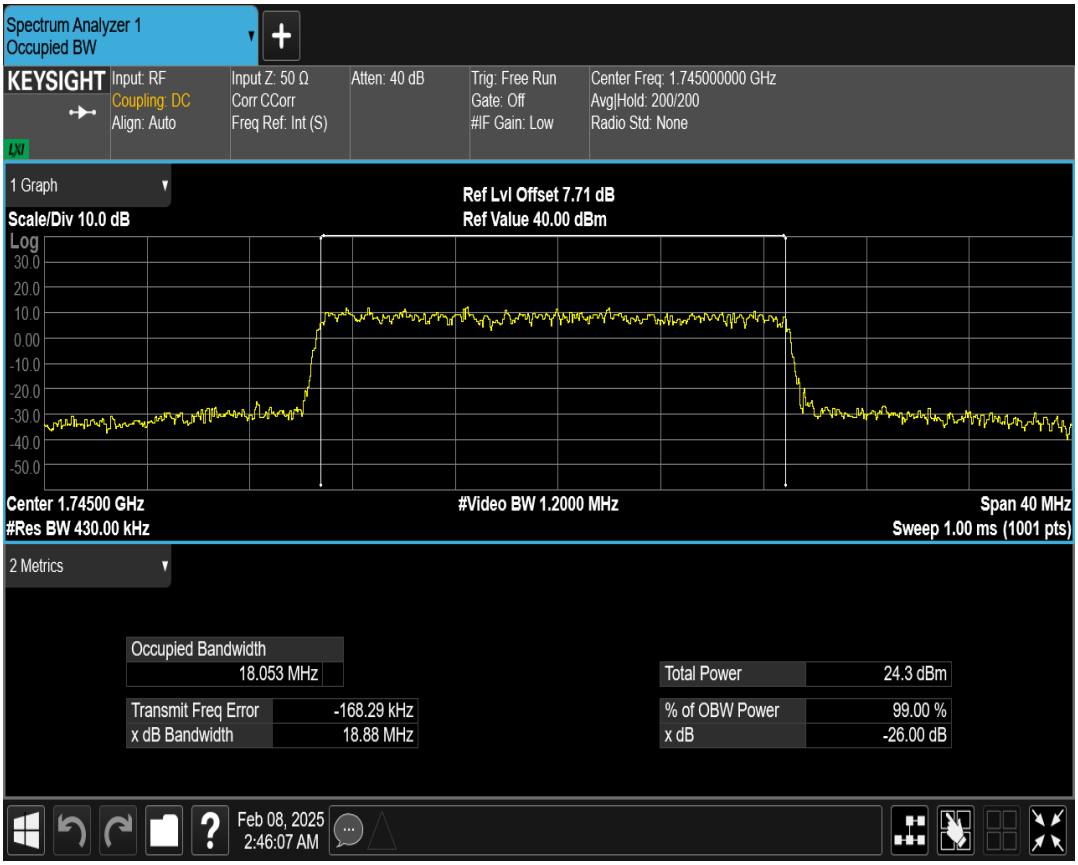
n66 SCS=30kHz DFT_QAM16 BW=20MHz Channel=349000 RB=50@0



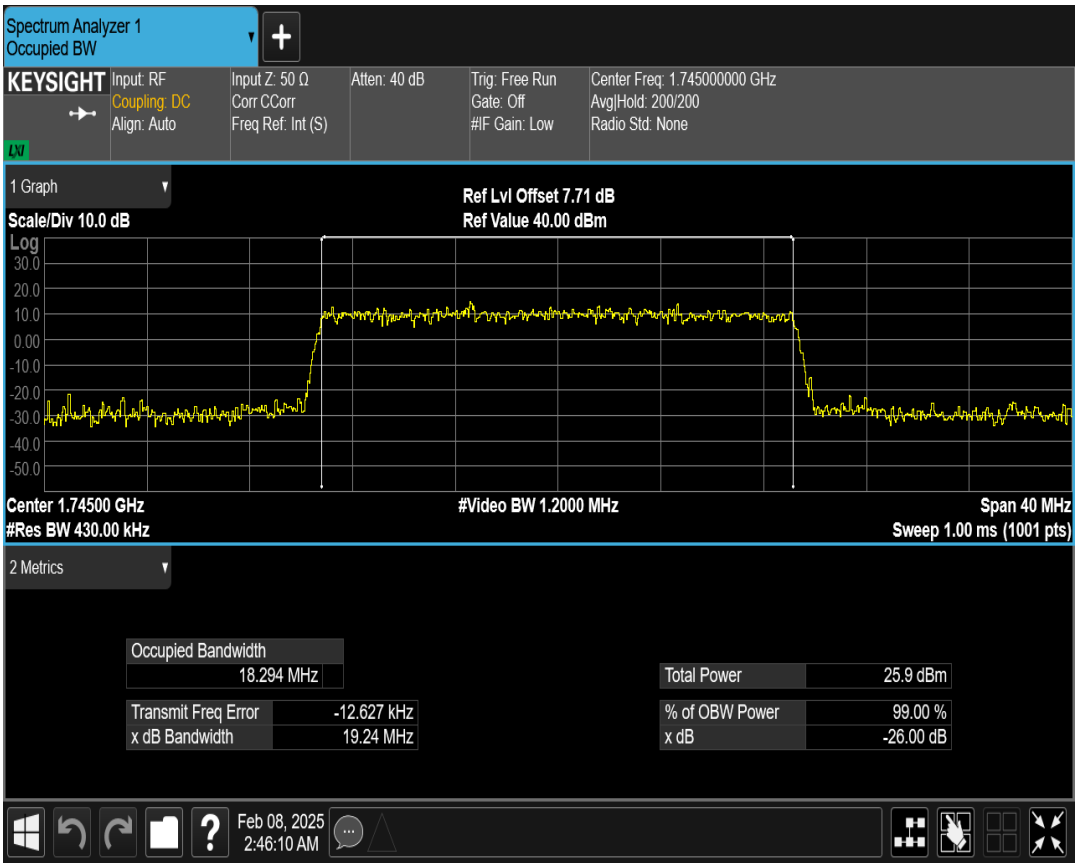
n66 SCS=30kHz DFT_QAM64 BW=20MHz Channel=349000 RB=50@0



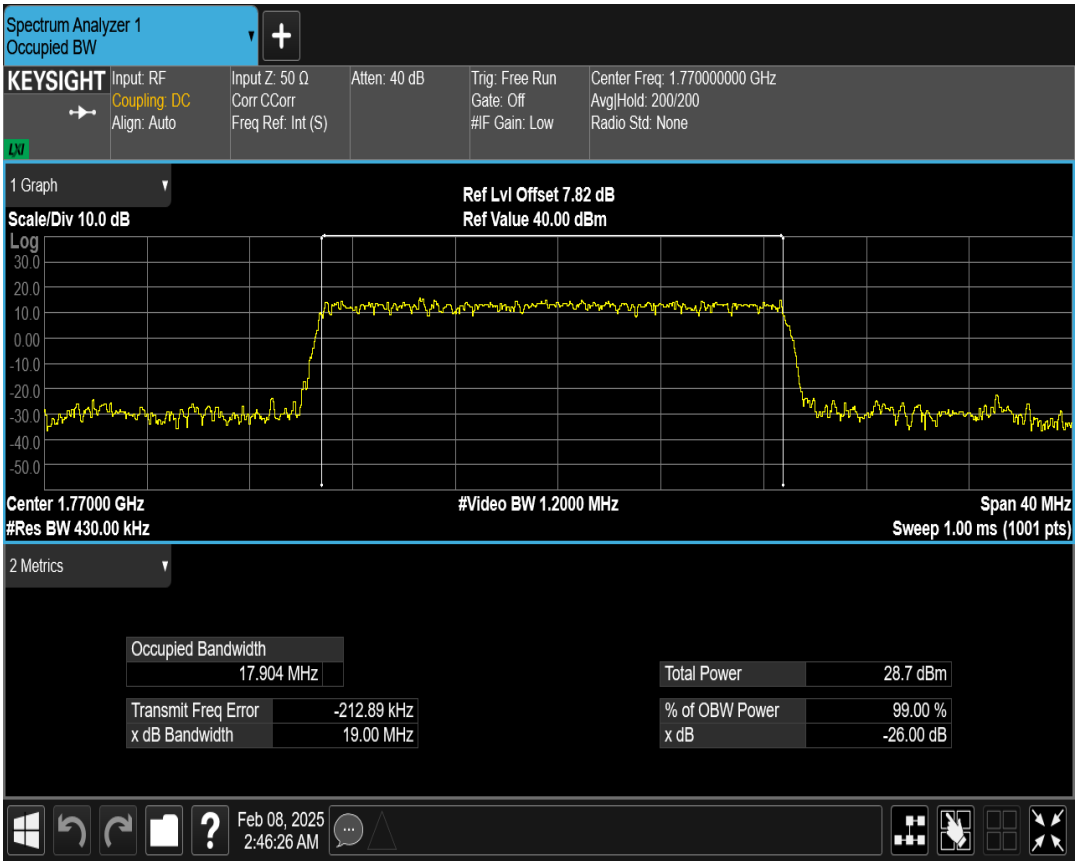
n66 SCS=30kHz DFT_QAM256 BW=20MHz Channel=349000 RB=50@0



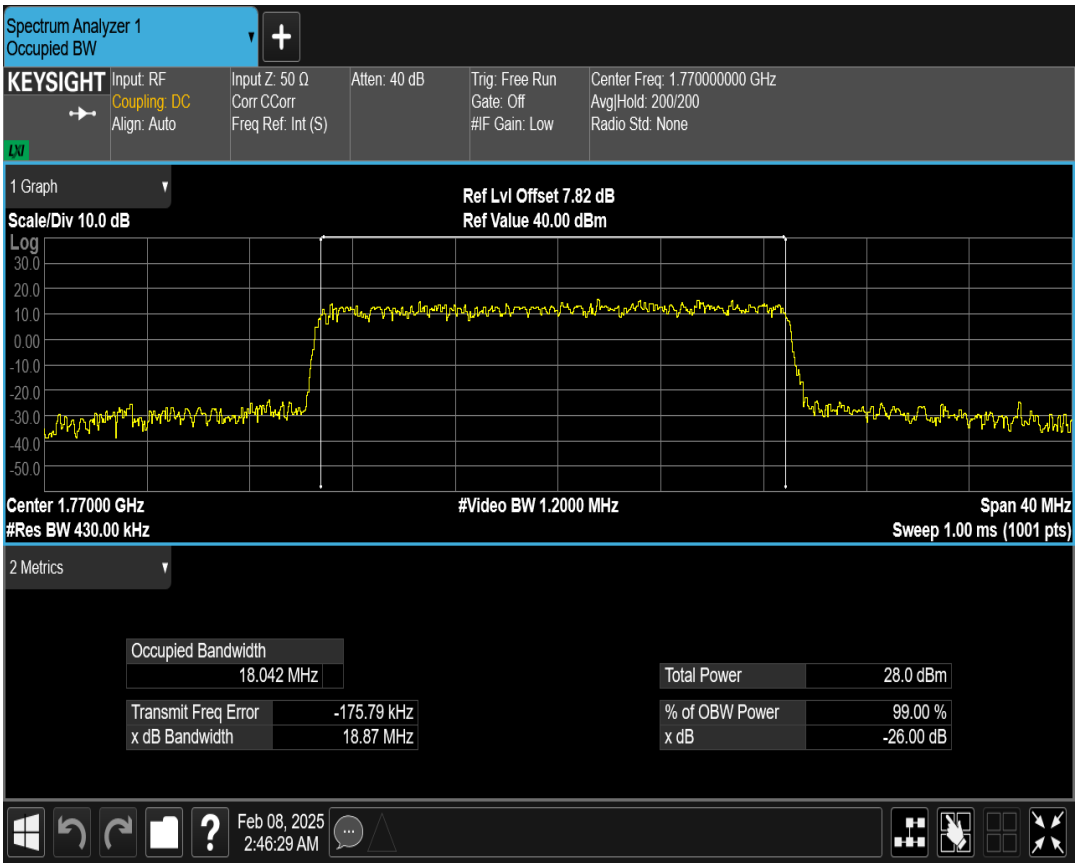
n66 SCS=30kHz CP_QPSK BW=20MHz Channel=349000 RB=51@0



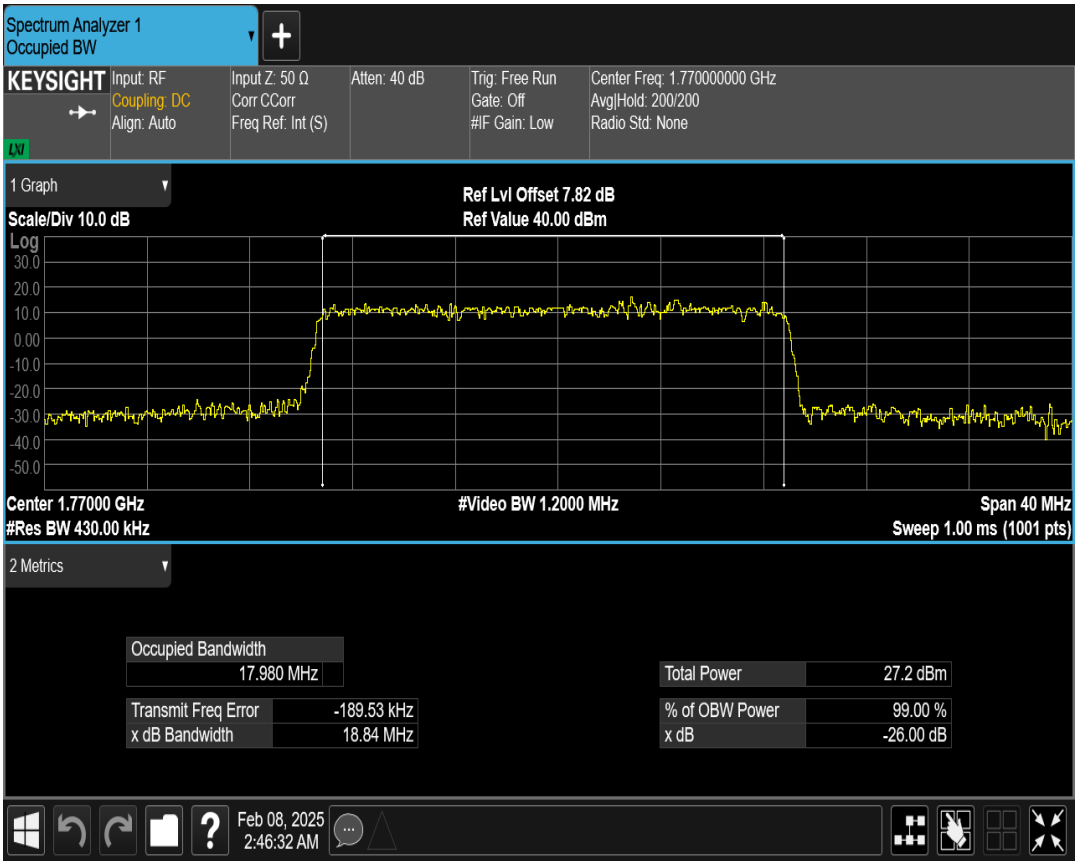
n66 SCS=30kHz DFT_BPSK BW=20MHz Channel=354000 RB=50@0



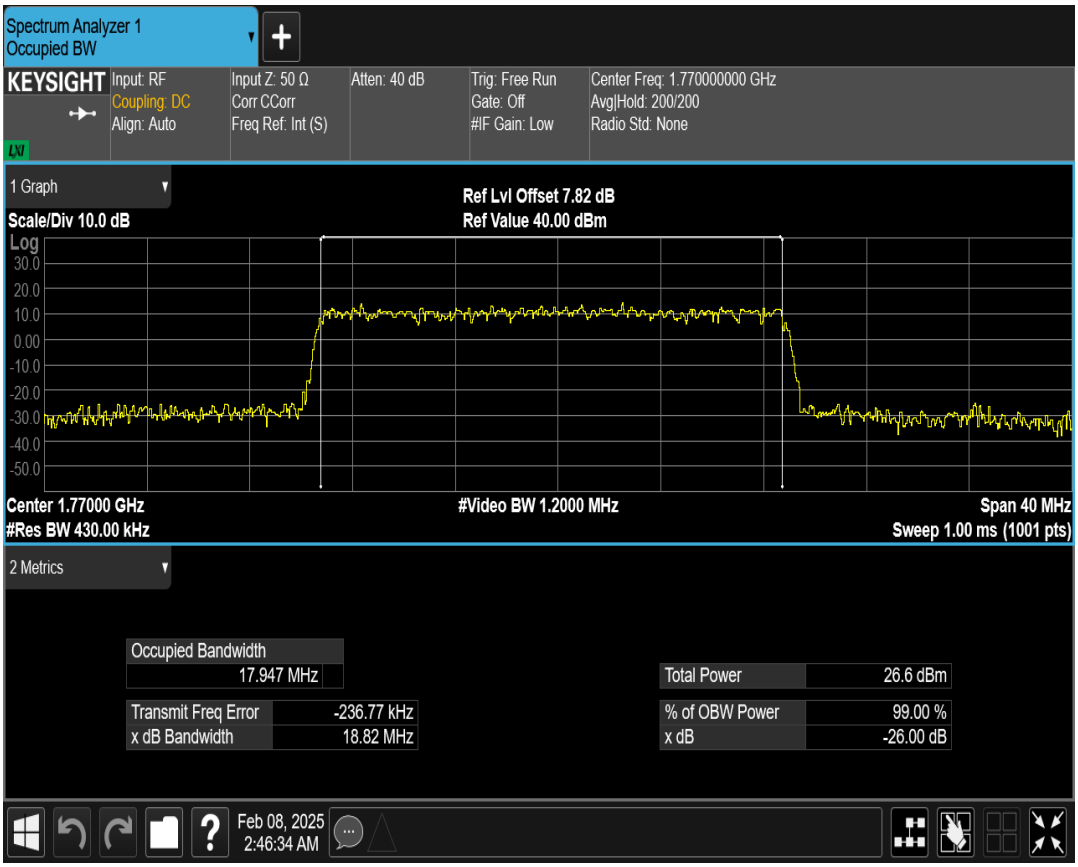
n66 SCS=30kHz DFT_QPSK BW=20MHz Channel=354000 RB=50@0



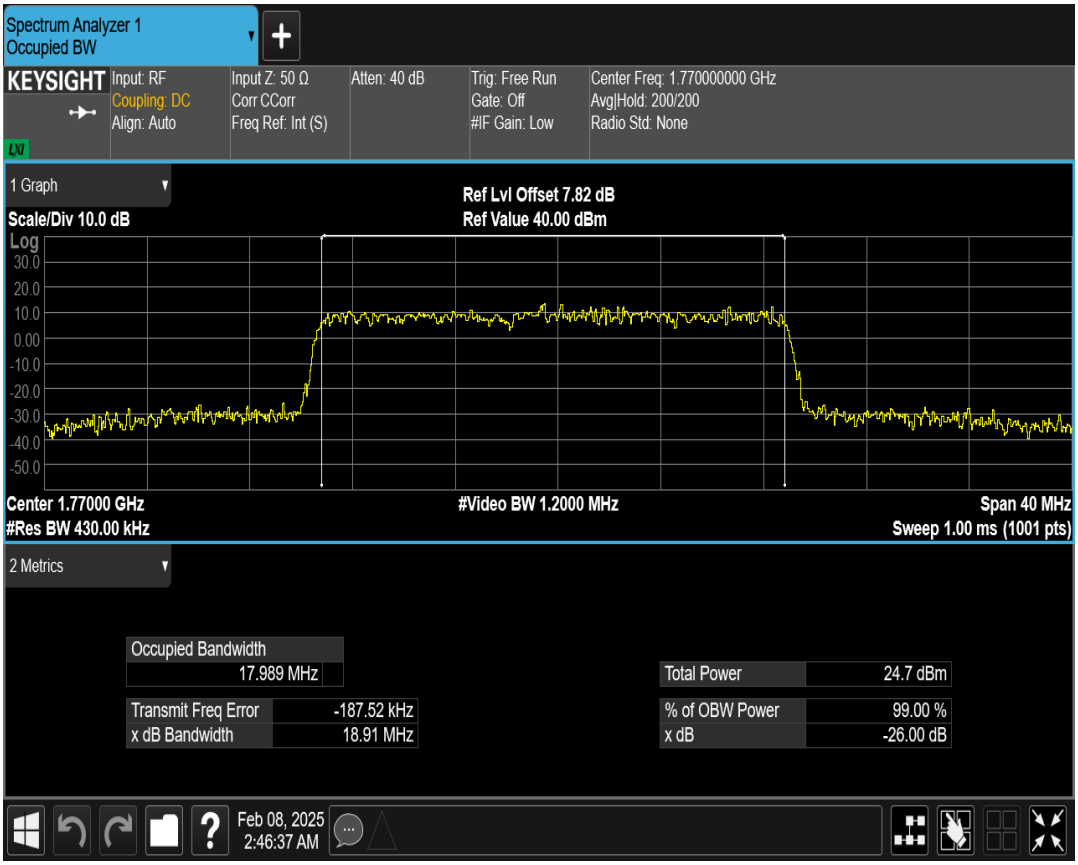
n66 SCS=30kHz DFT_QAM16 BW=20MHz Channel=354000 RB=50@0



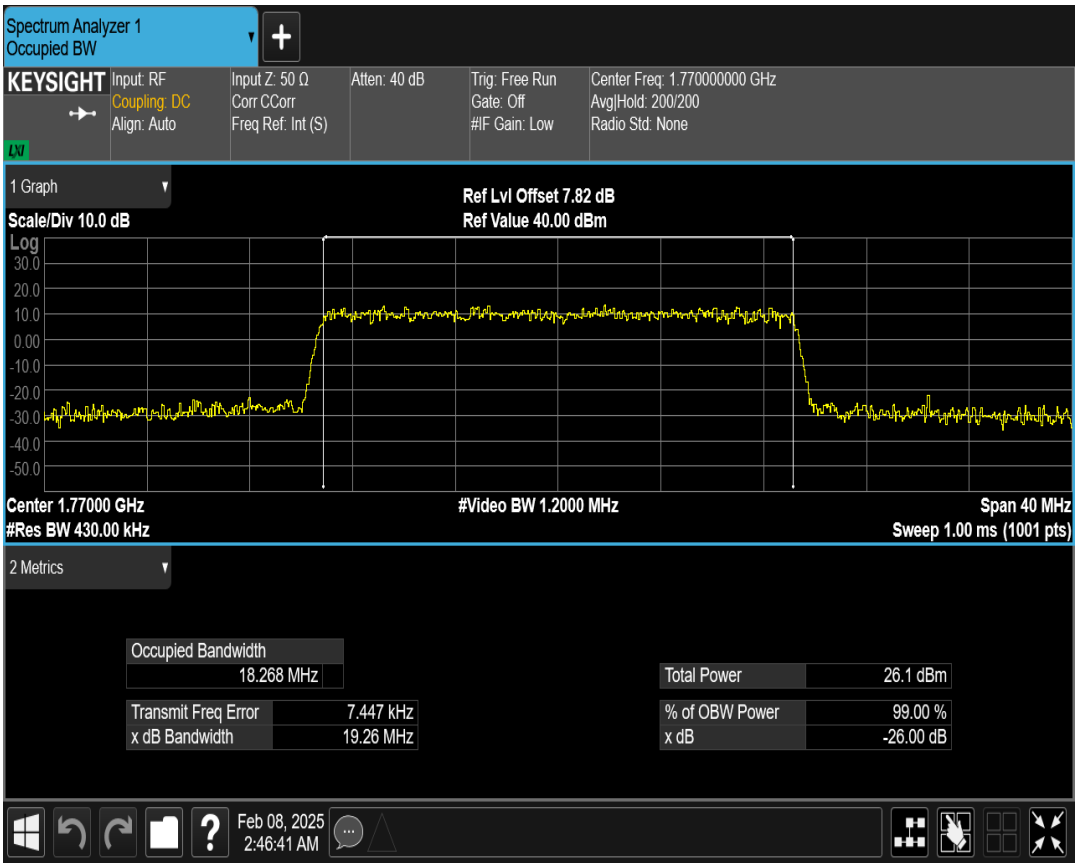
n66 SCS=30kHz DFT_QAM64 BW=20MHz Channel=354000 RB=50@0



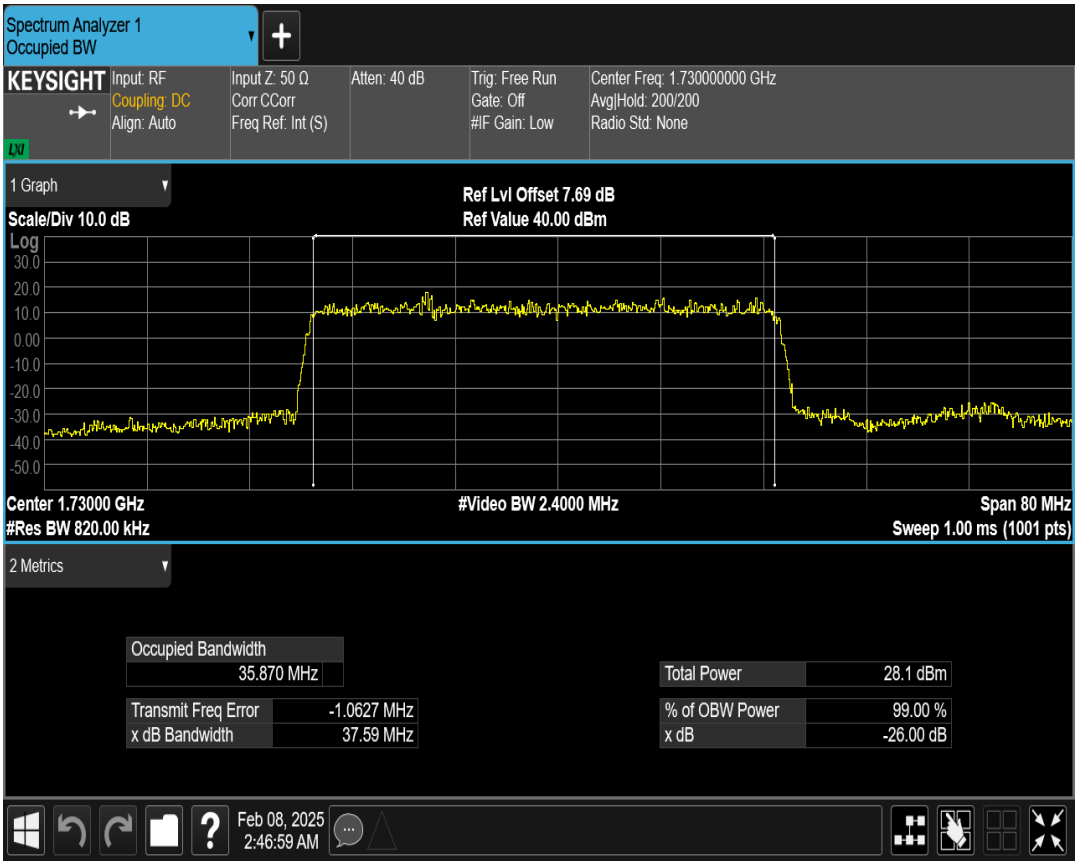
n66 SCS=30kHz DFT_QAM256 BW=20MHz Channel=354000 RB=50@0



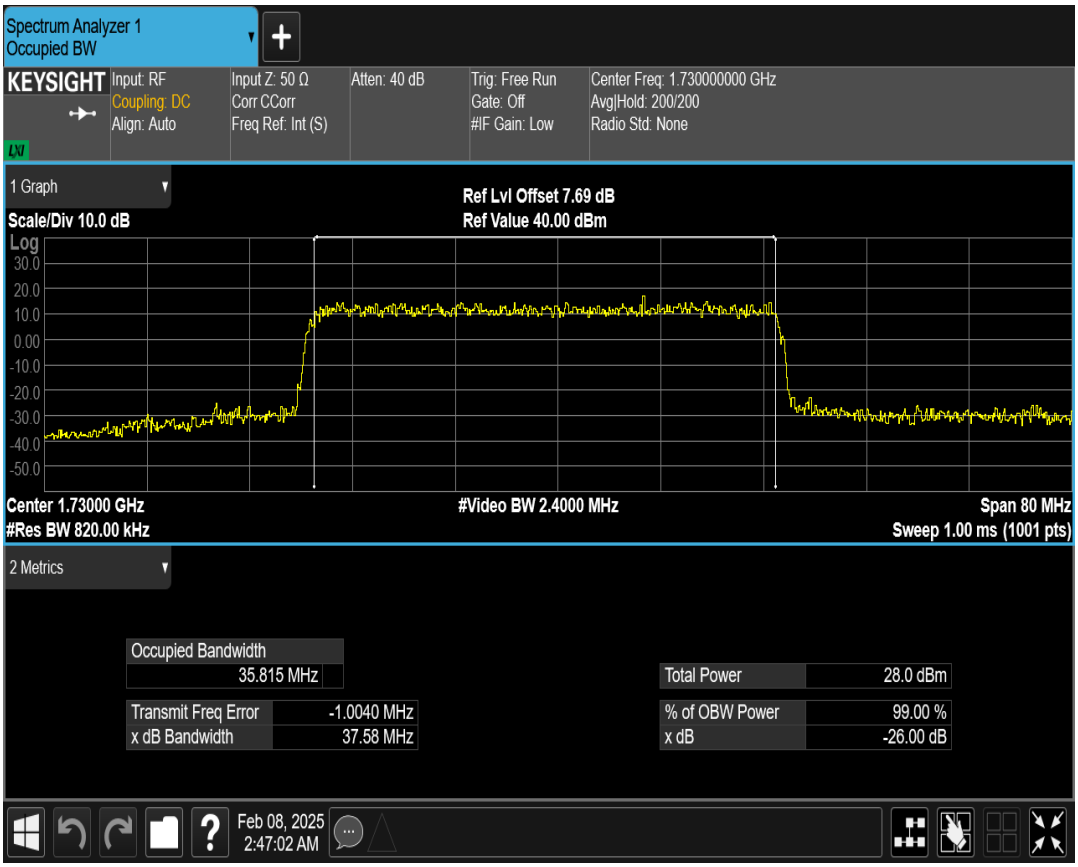
n66 SCS=30kHz CP_QPSK BW=20MHz Channel=354000 RB=51@0



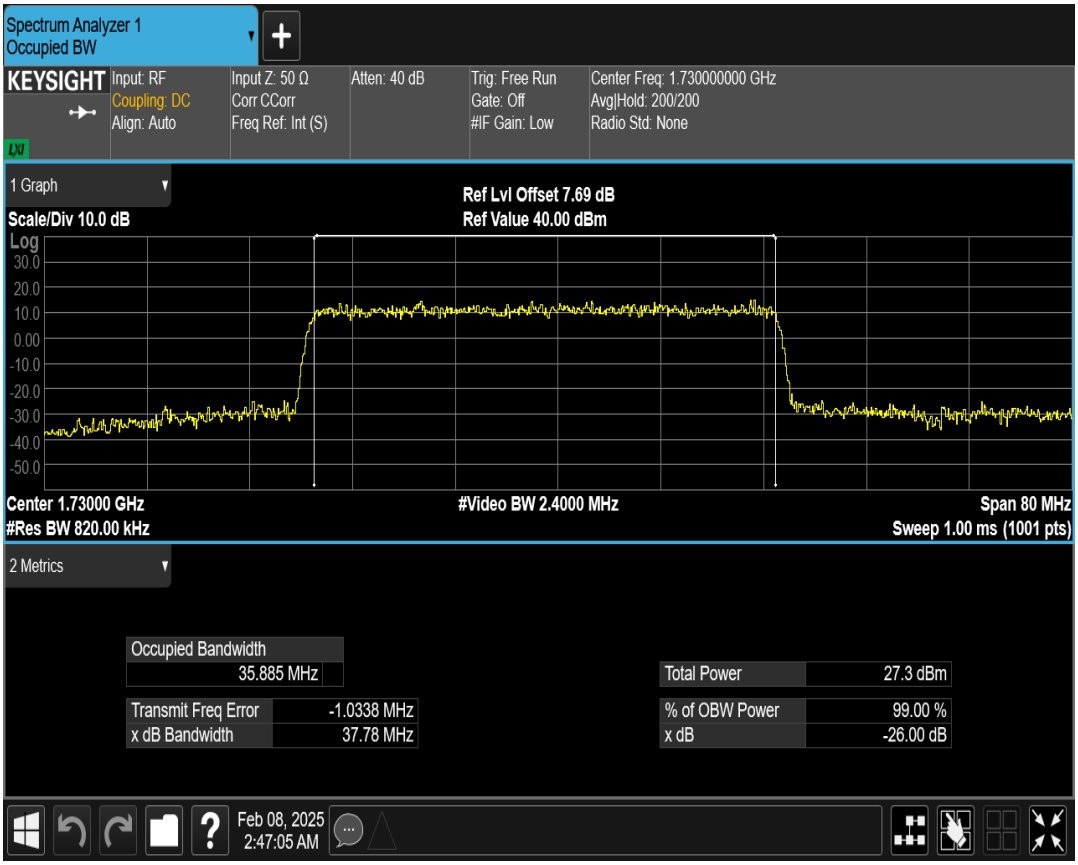
n66 SCS=30kHz DFT_BPSK BW=40MHz Channel=346000 RB=100@0



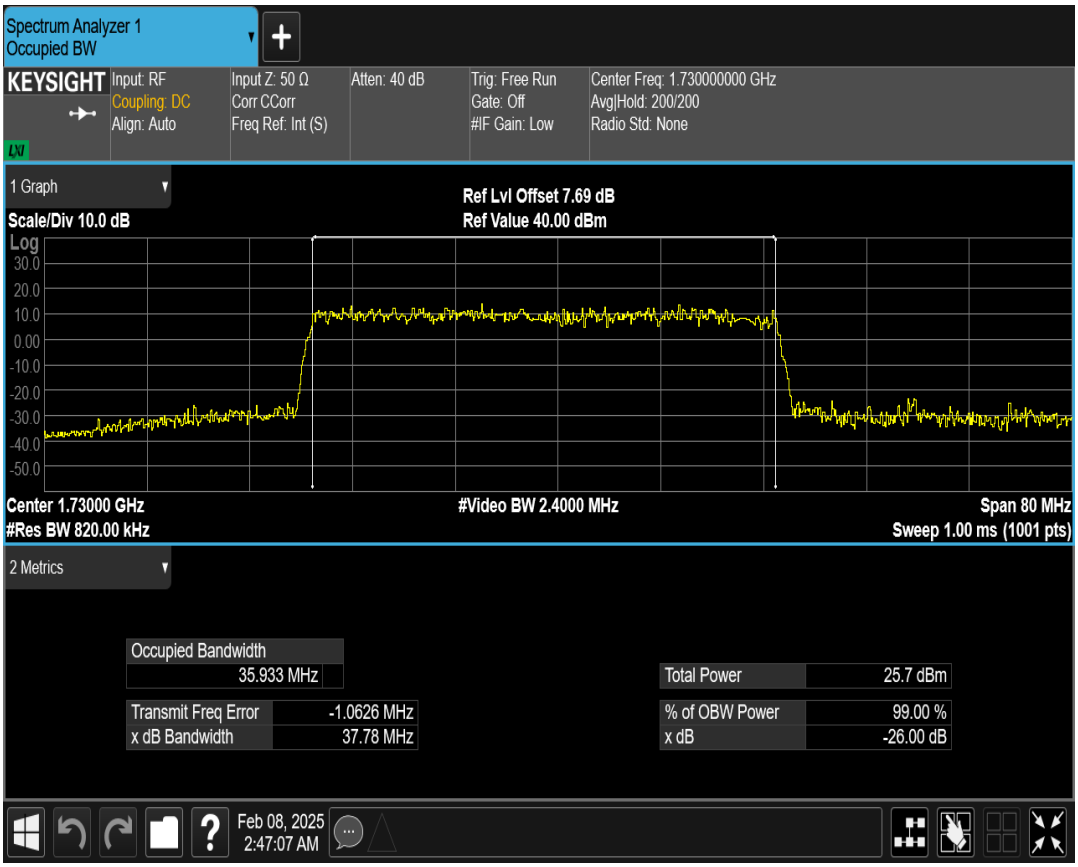
n66 SCS=30kHz DFT_QPSK BW=40MHz Channel=346000 RB=100@0



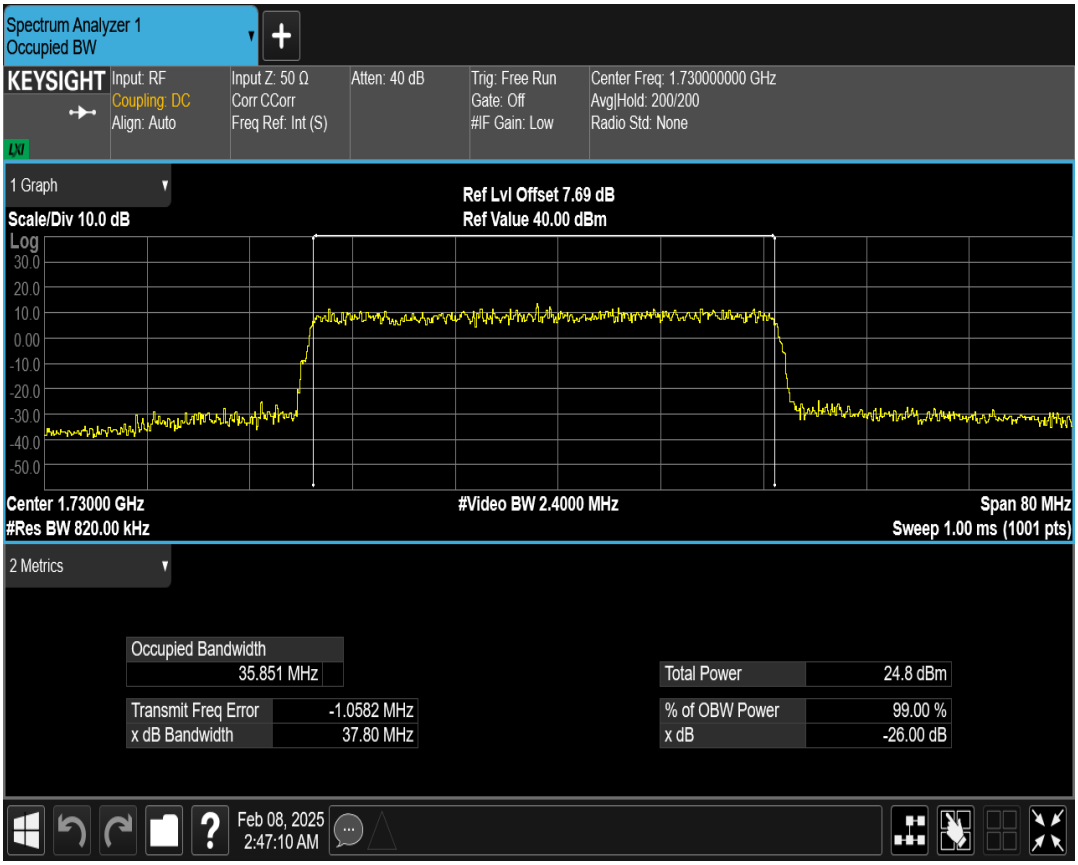
n66 SCS=30kHz DFT_QAM16 BW=40MHz Channel=346000 RB=100@0



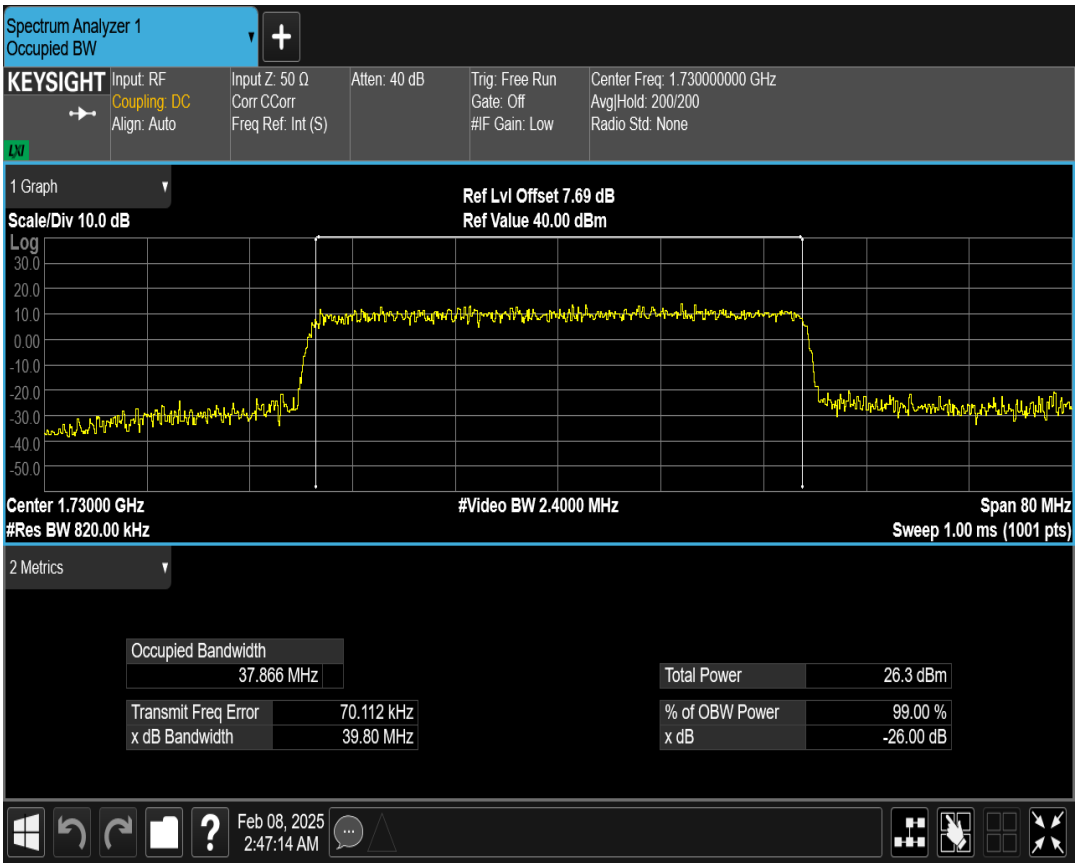
n66 SCS=30kHz DFT_QAM64 BW=40MHz Channel=346000 RB=100@0



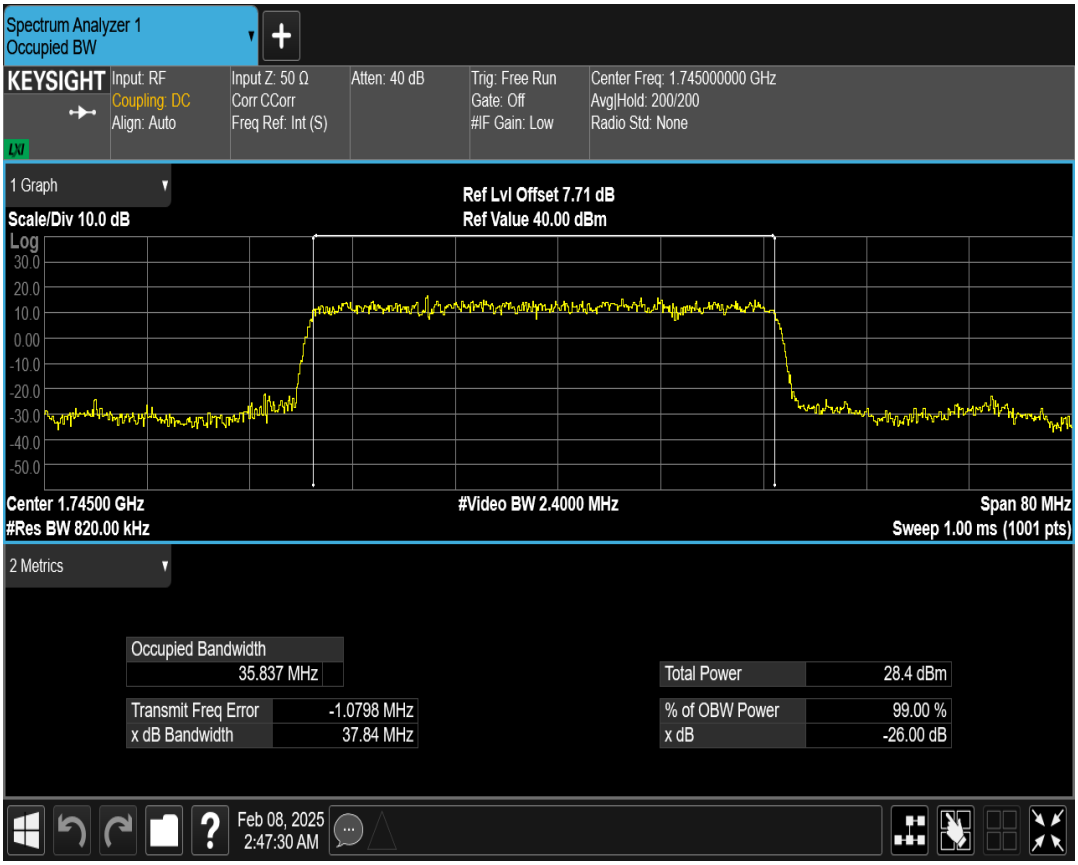
n66 SCS=30kHz DFT_QAM256 BW=40MHz Channel=346000 RB=100@0



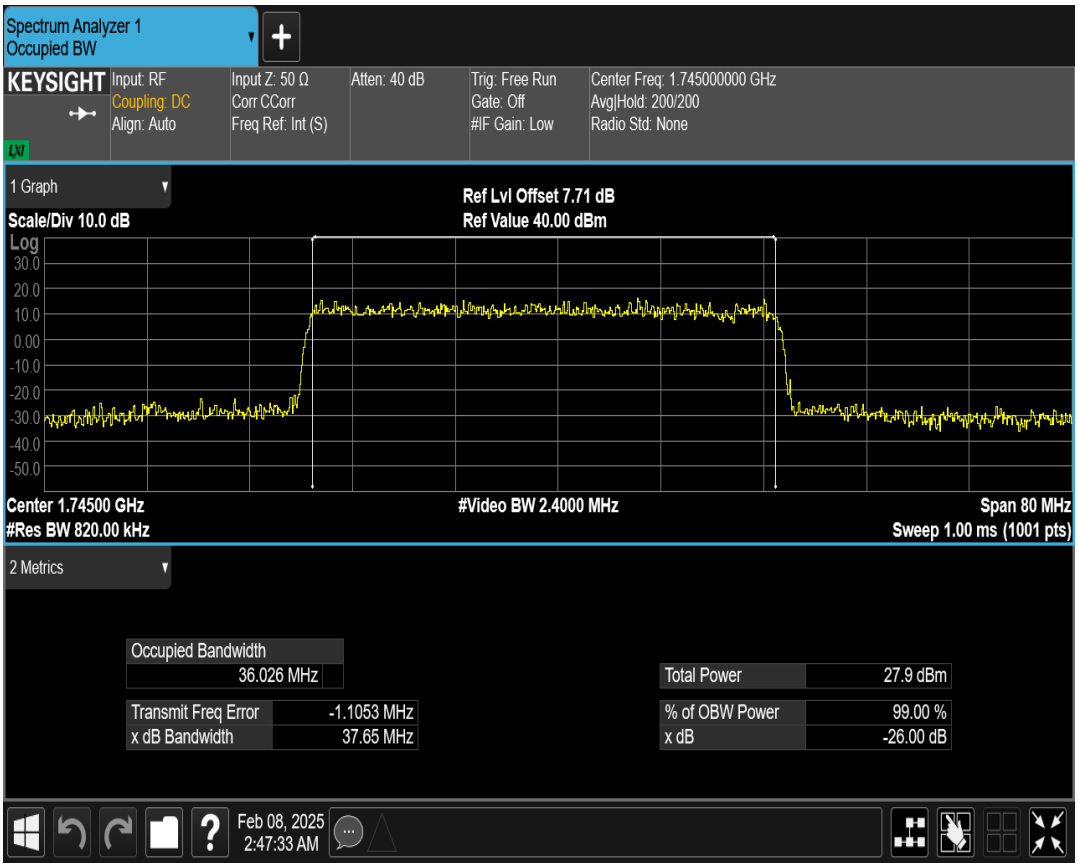
n66 SCS=30kHz CP_QPSK BW=40MHz Channel=346000 RB=106@0



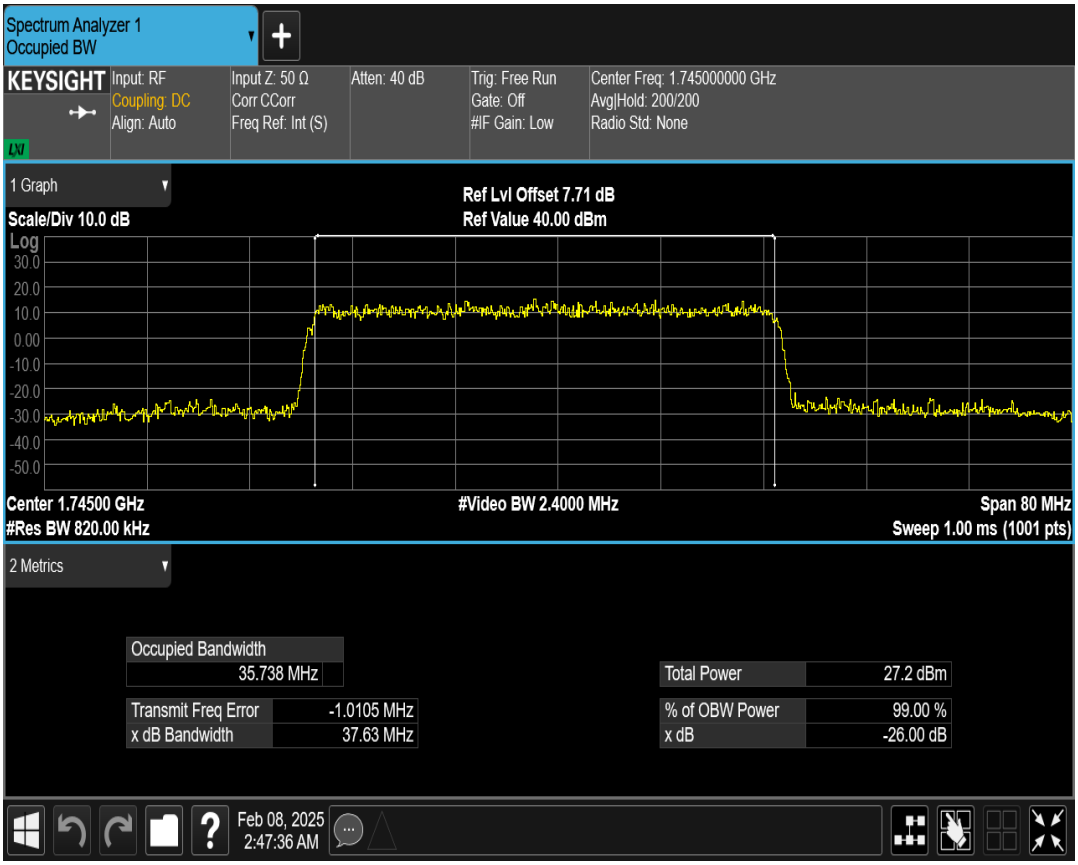
n66 SCS=30kHz DFT_BPSK BW=40MHz Channel=349000 RB=100@0



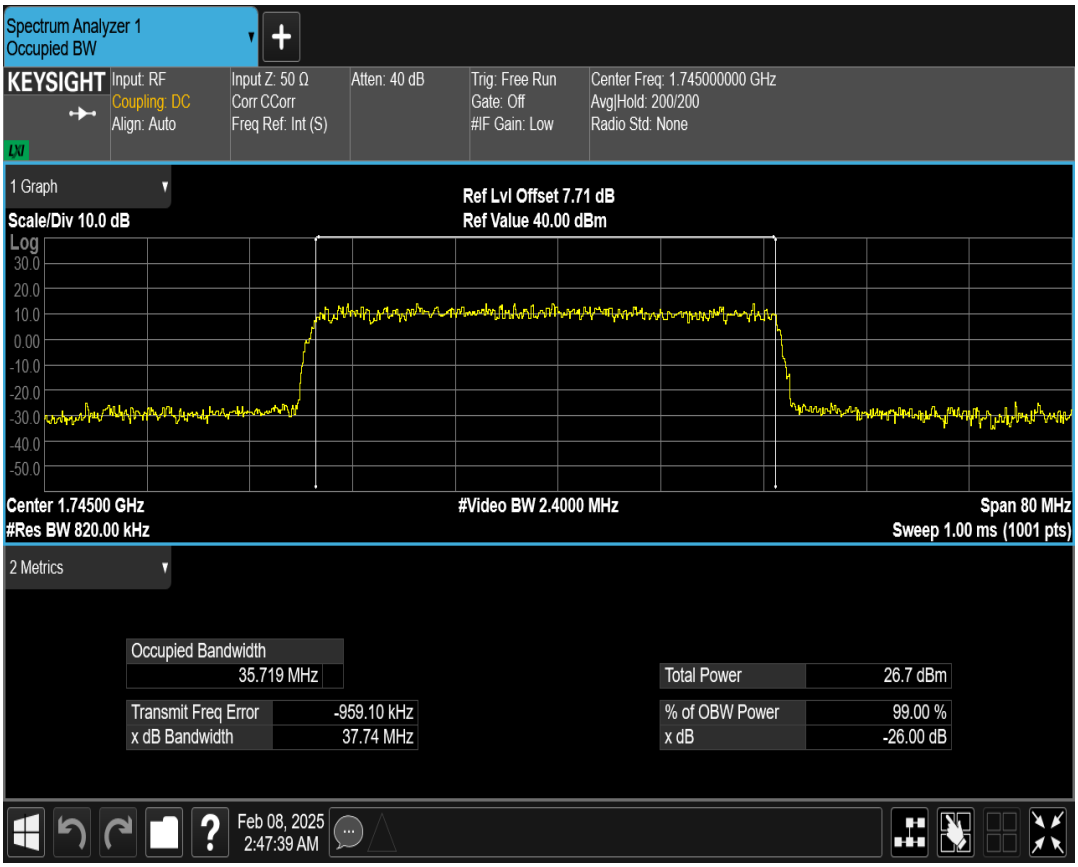
n66 SCS=30kHz DFT_QPSK BW=40MHz Channel=349000 RB=100@0



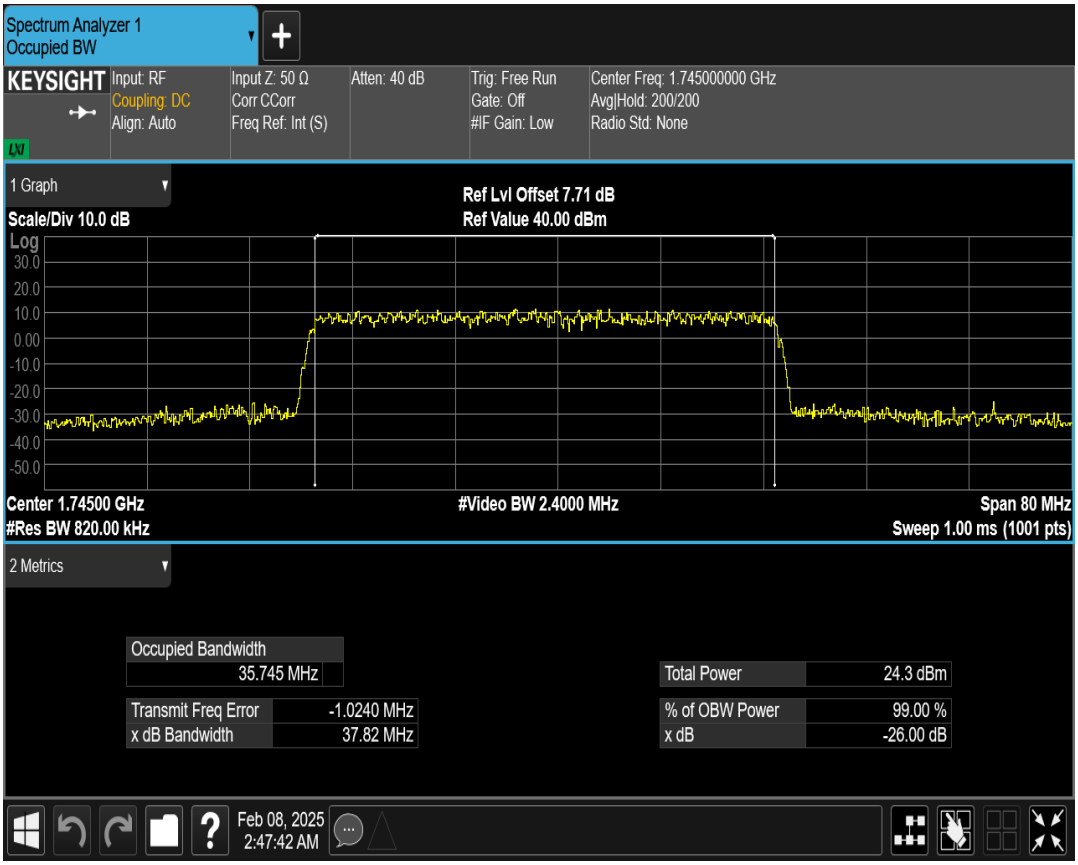
n66 SCS=30kHz DFT_QAM16 BW=40MHz Channel=349000 RB=100@0



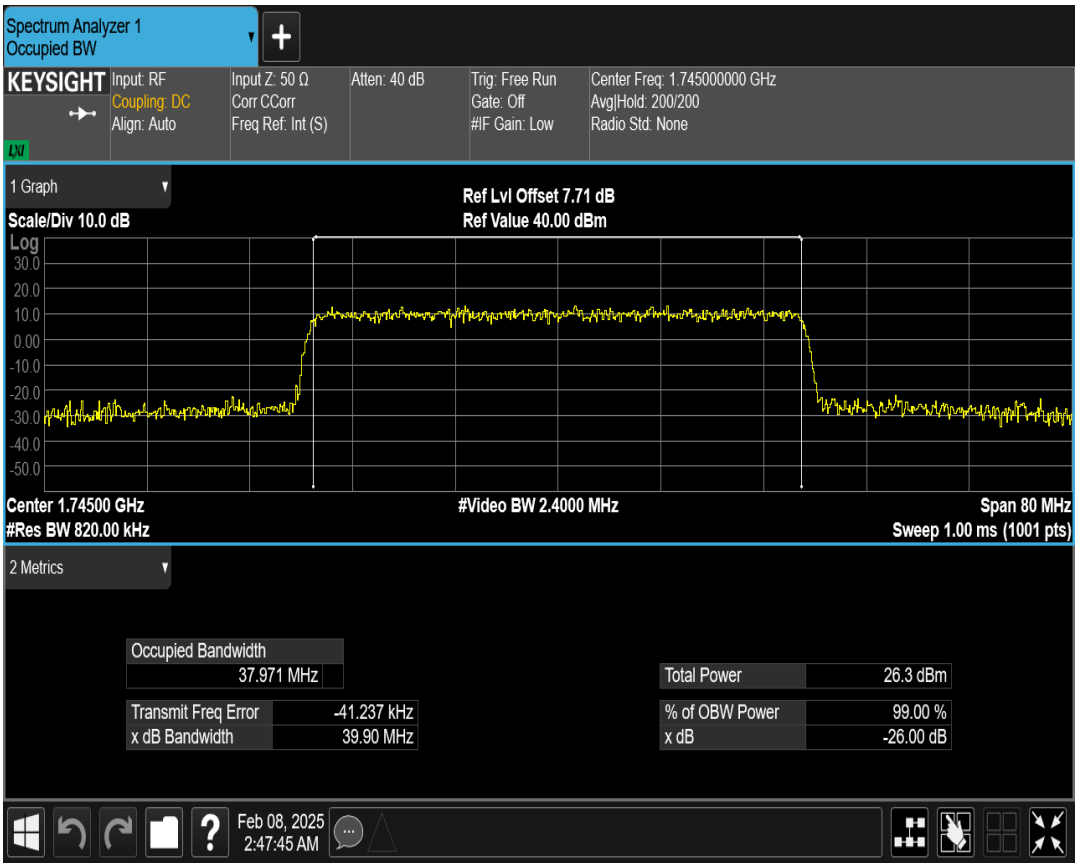
n66 SCS=30kHz DFT_QAM64 BW=40MHz Channel=349000 RB=100@0



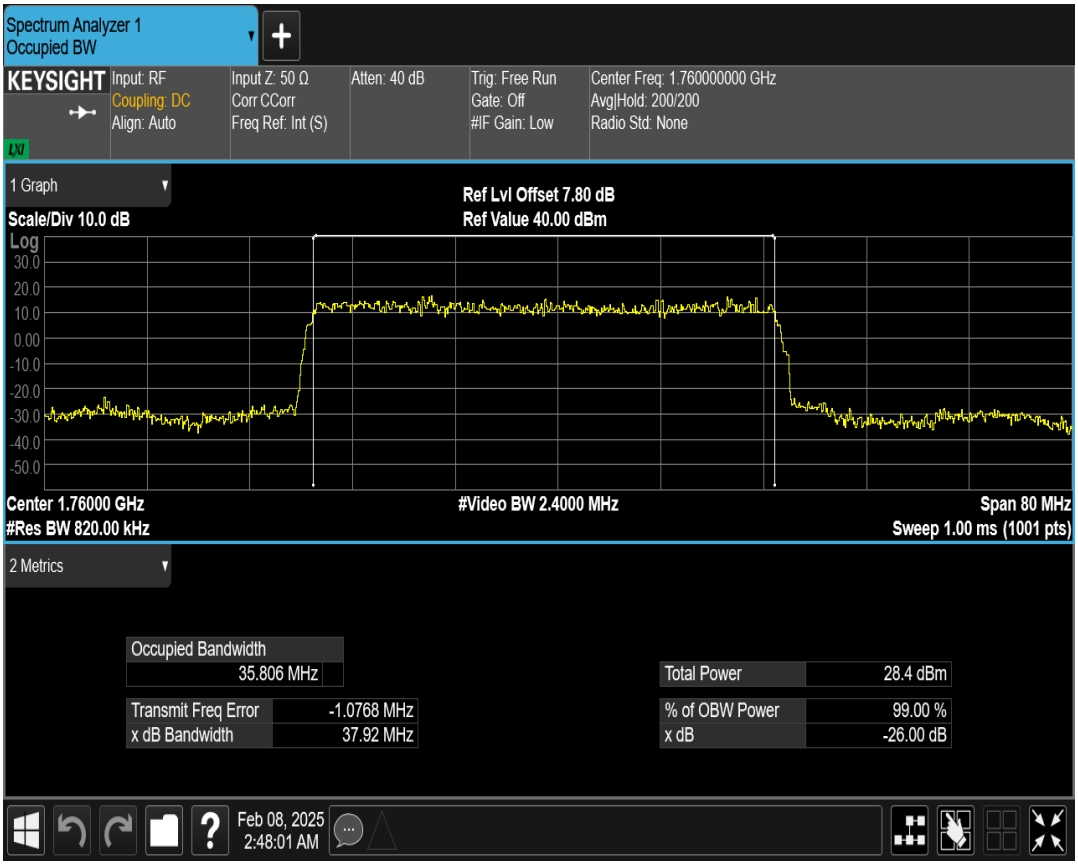
n66 SCS=30kHz DFT_QAM256 BW=40MHz Channel=349000 RB=100@0



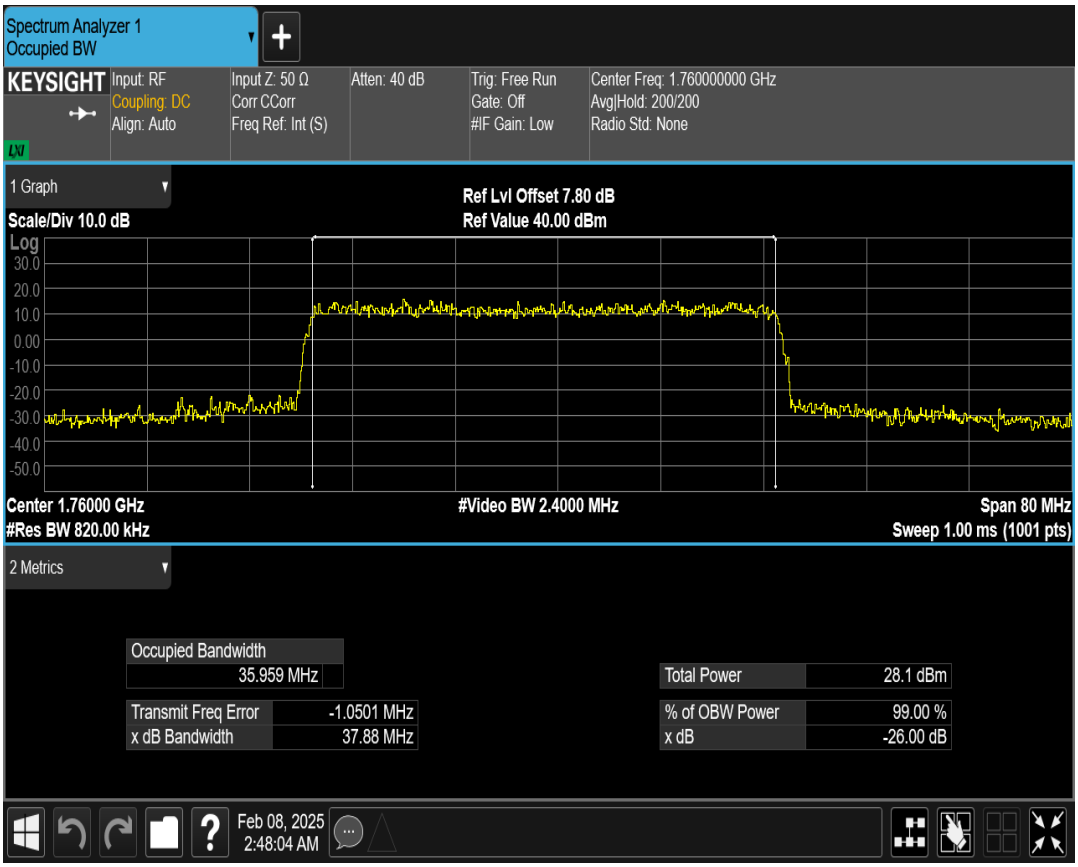
n66 SCS=30kHz CP_QPSK BW=40MHz Channel=349000 RB=106@0



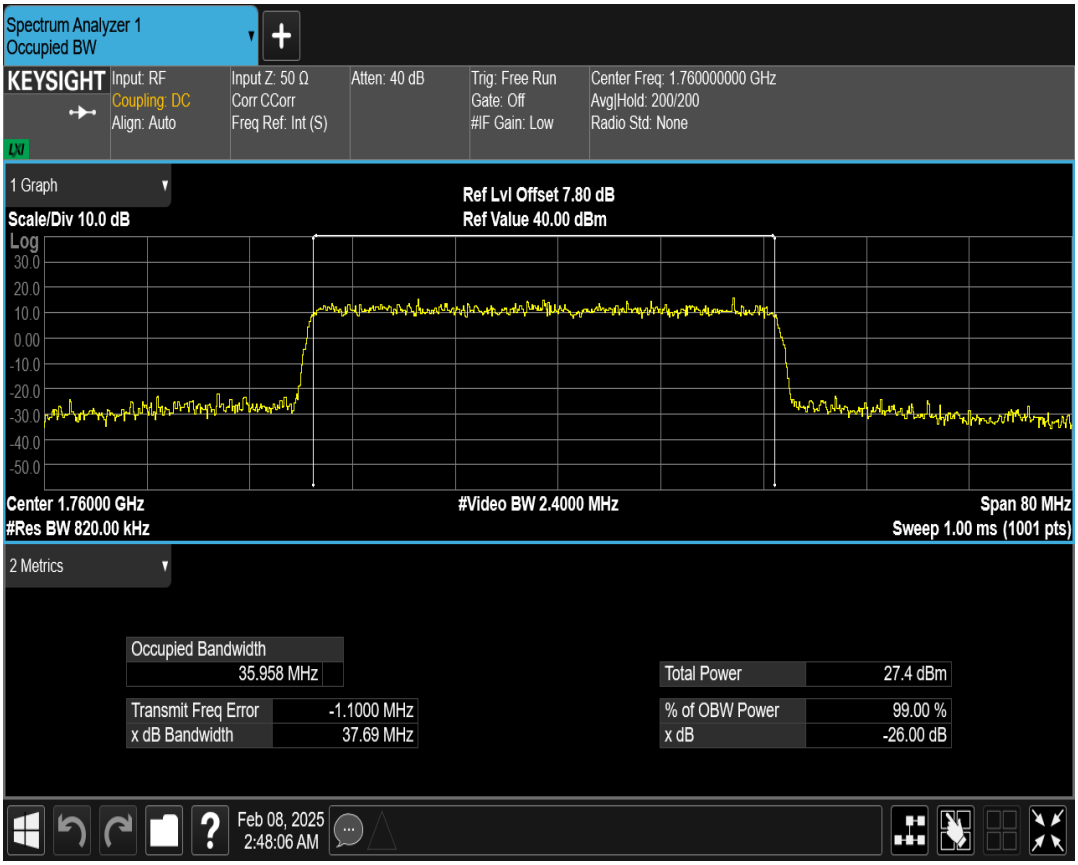
n66 SCS=30kHz DFT_BPSK BW=40MHz Channel=352000 RB=100@0



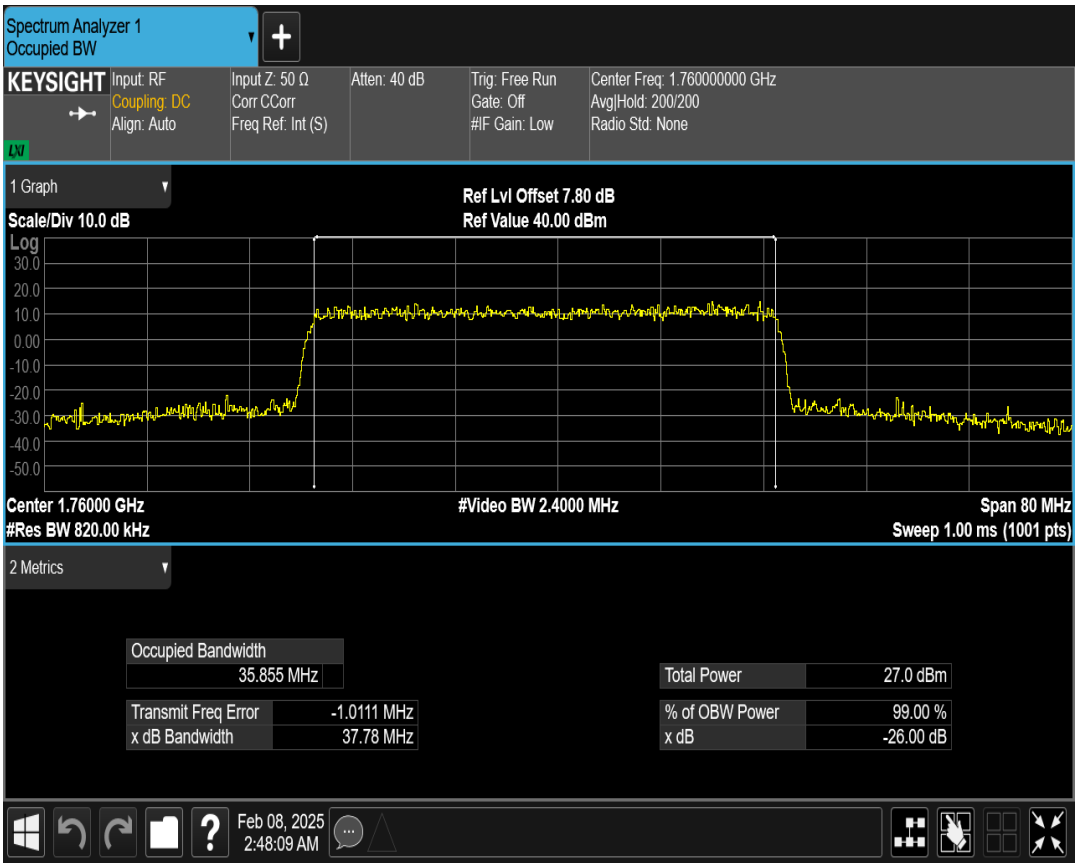
n66 SCS=30kHz DFT_QPSK BW=40MHz Channel=352000 RB=100@0



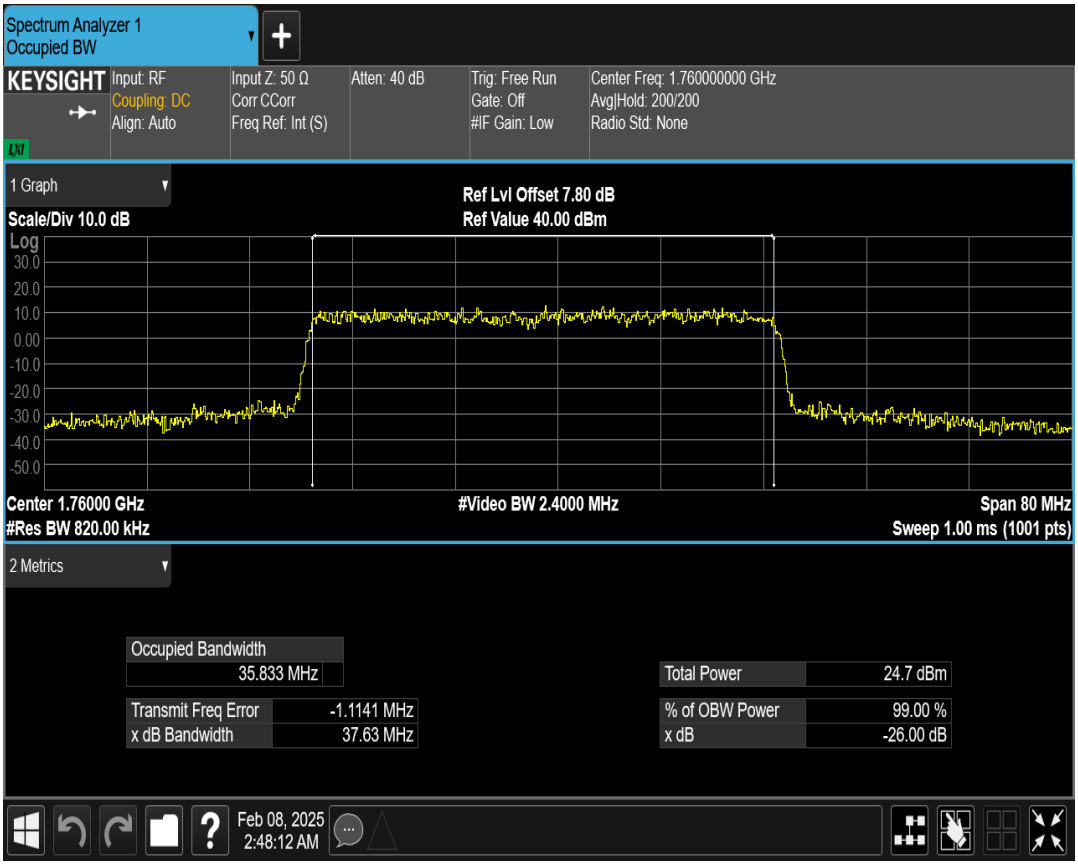
n66 SCS=30kHz DFT_QAM16 BW=40MHz Channel=352000 RB=100@0



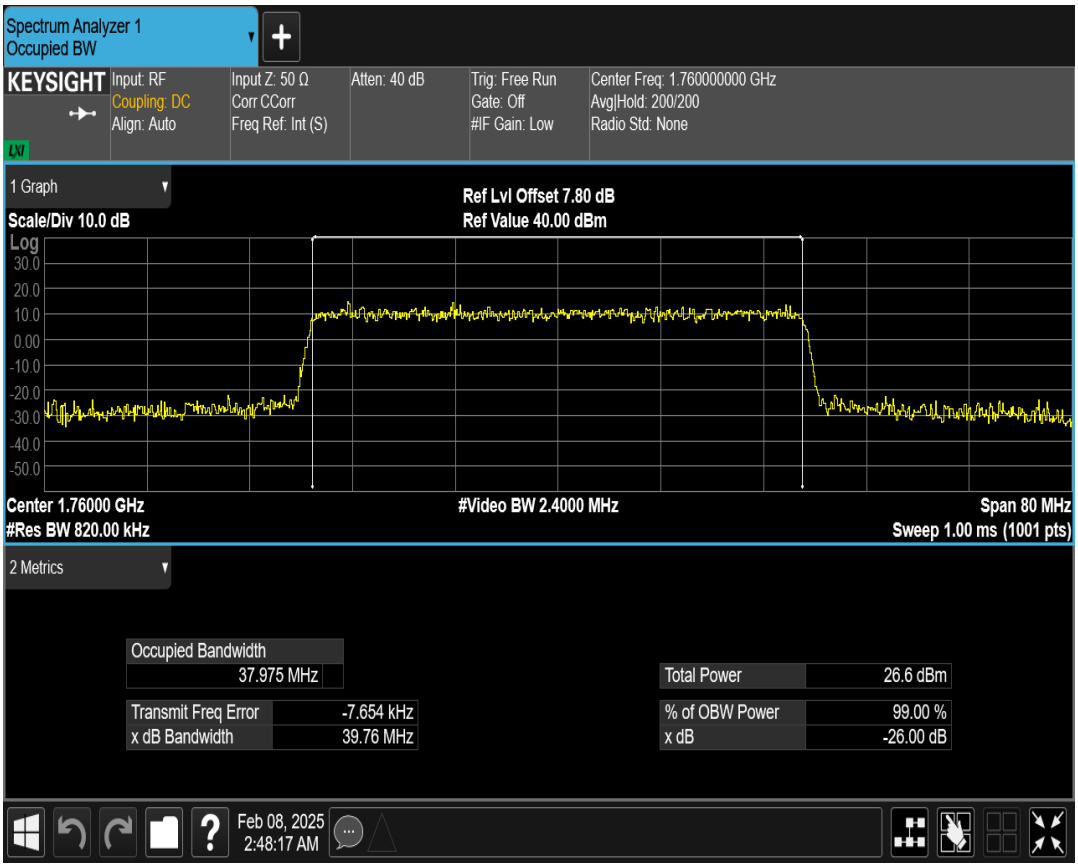
n66 SCS=30kHz DFT_QAM64 BW=40MHz Channel=352000 RB=100@0



n66 SCS=30kHz DFT_QAM256 BW=40MHz Channel=352000 RB=100@0



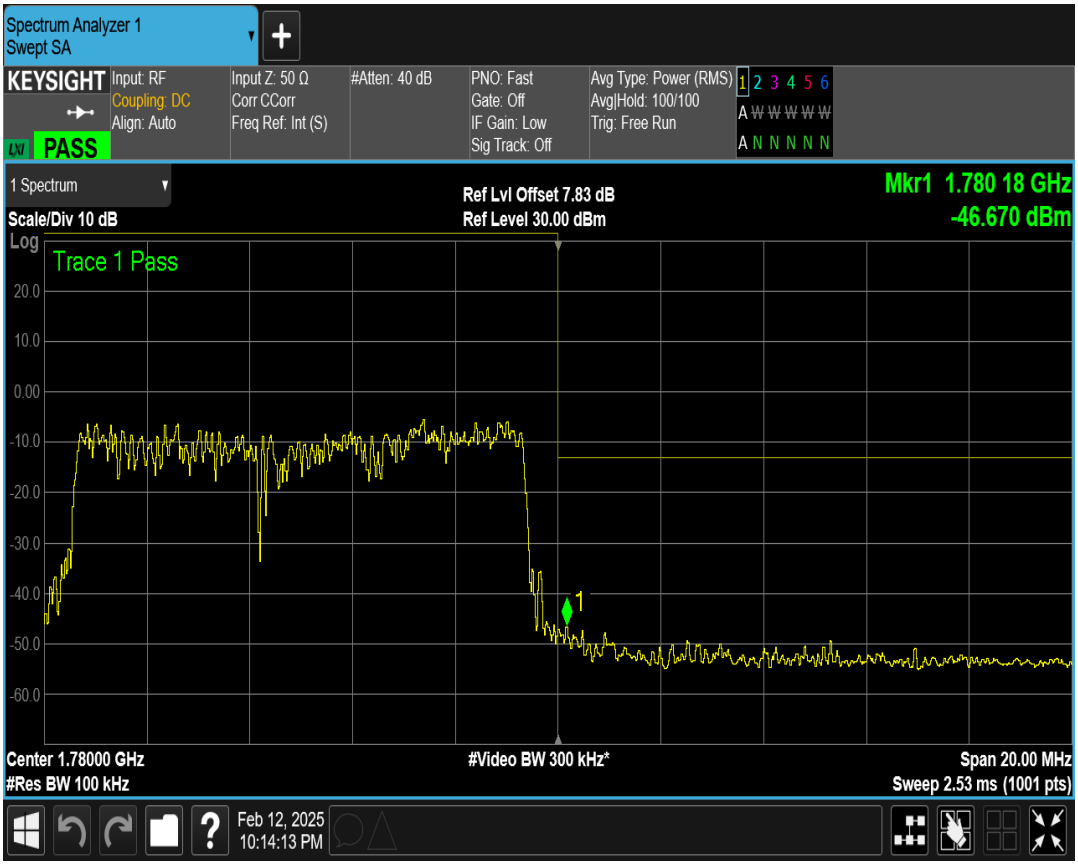
n66 SCS=30kHz CP_QPSK BW=40MHz Channel=352000 RB=106@0



5 Band edge for NR FR1

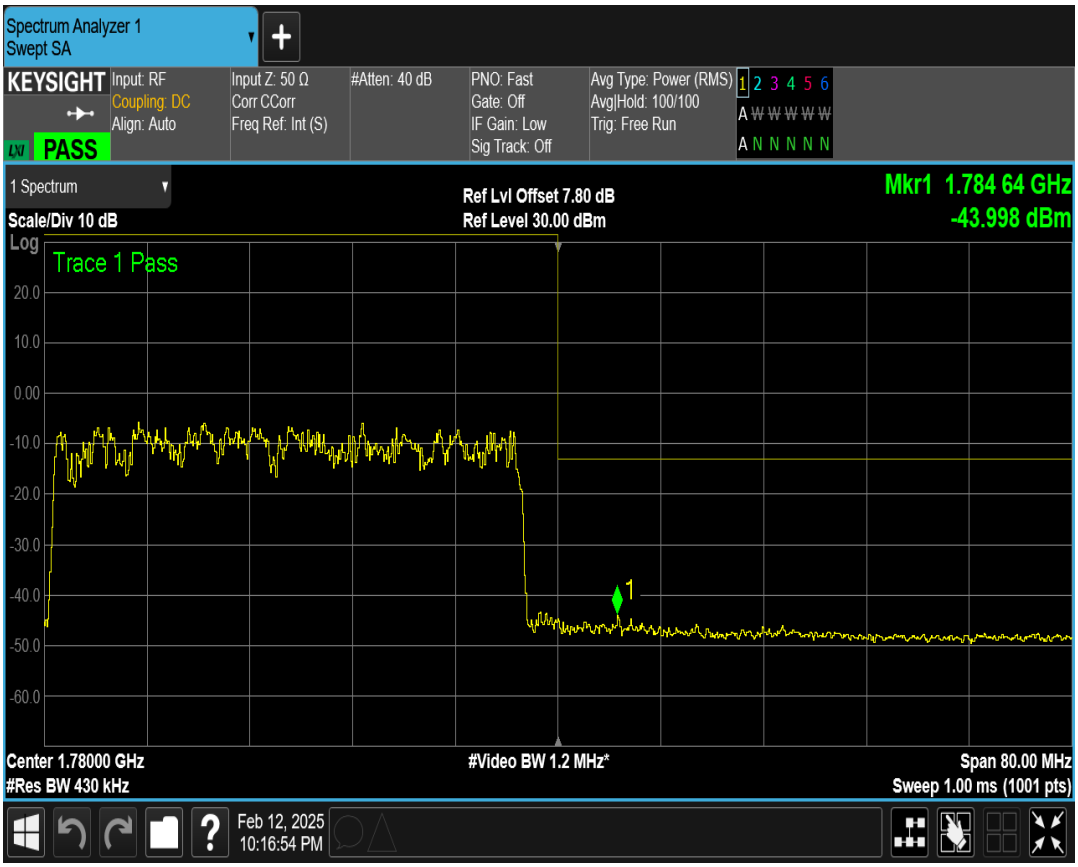
Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
n66	30	10	343000	24@0	DFT_QPSK	1710.00	-46.38	-13	PASS
n66	30	10	343000	1@0	DFT_QPSK	1710.00	-28.55	-13	PASS
n66	30	10	355000	24@0	DFT_QPSK	1780.18	-46.67	-13	PASS
n66	30	10	355000	1@23	DFT_QPSK	1780.02	-33.48	-13	PASS
n66	30	40	346000	100@0	DFT_QPSK	1707.76	-45.22	-13	PASS
n66	30	40	346000	1@0	DFT_QPSK	1709.76	-49.94	-13	PASS
n66	30	40	352000	100@0	DFT_QPSK	1784.64	-44.00	-13	PASS
n66	30	40	352000	1@105	DFT_QPSK	1780.00	-46.39	-13	PASS

n66 SCS=30kHz DFT_QPSK BW=10MHz Channel=355000 RB=24@0

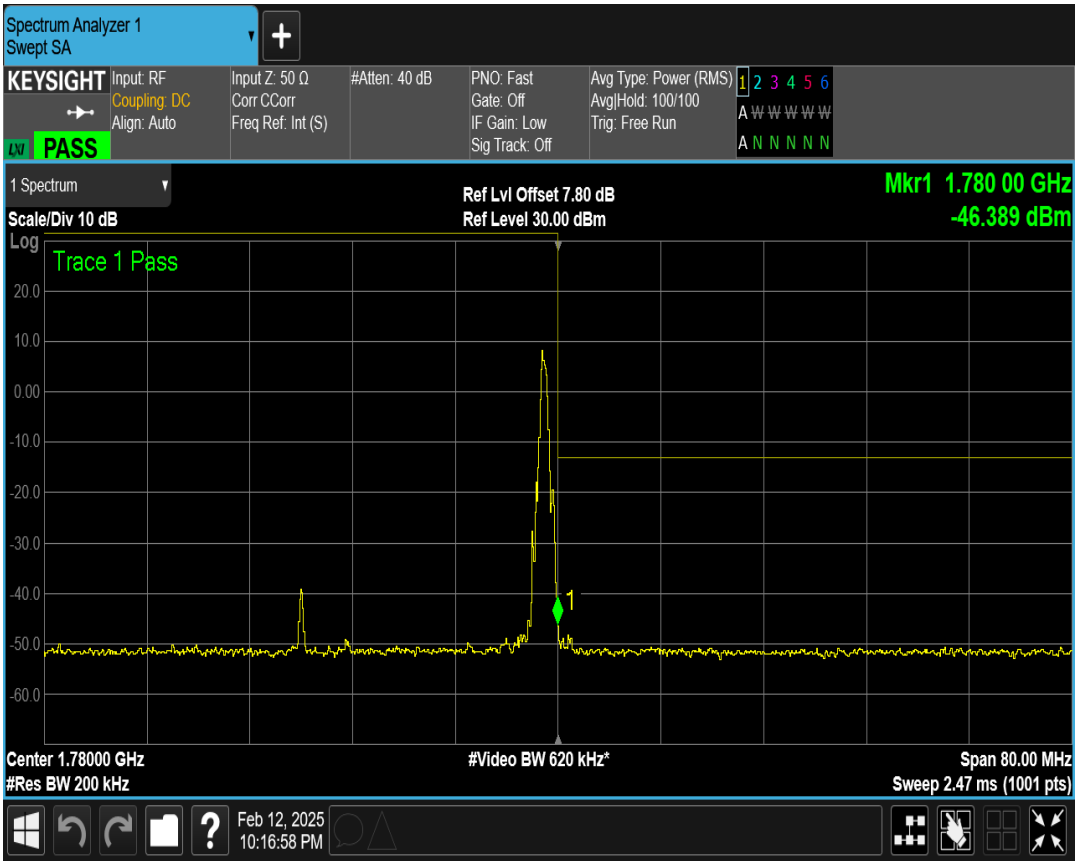


n66 SCS=30kHz DFT_QPSK BW=10MHz Channel=355000 RB=1@23

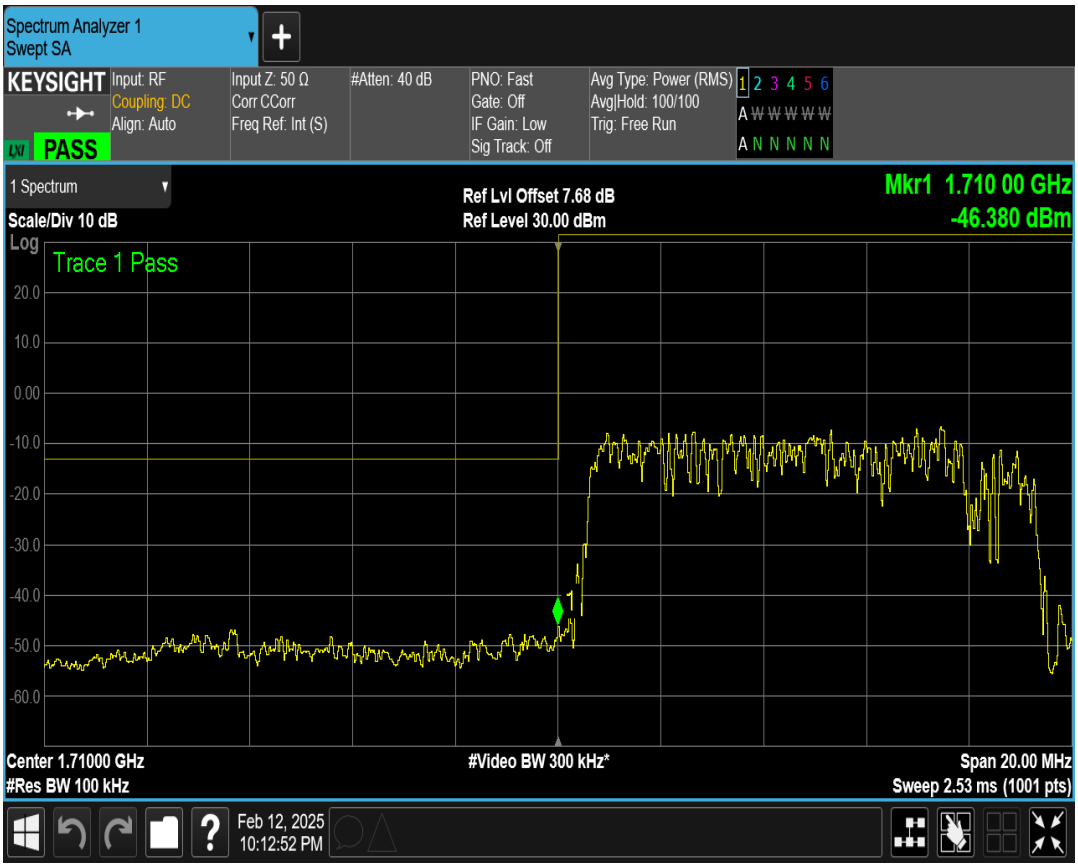
n66 SCS=30kHz DFT_QPSK BW=40MHz Channel=352000 RB=100@0



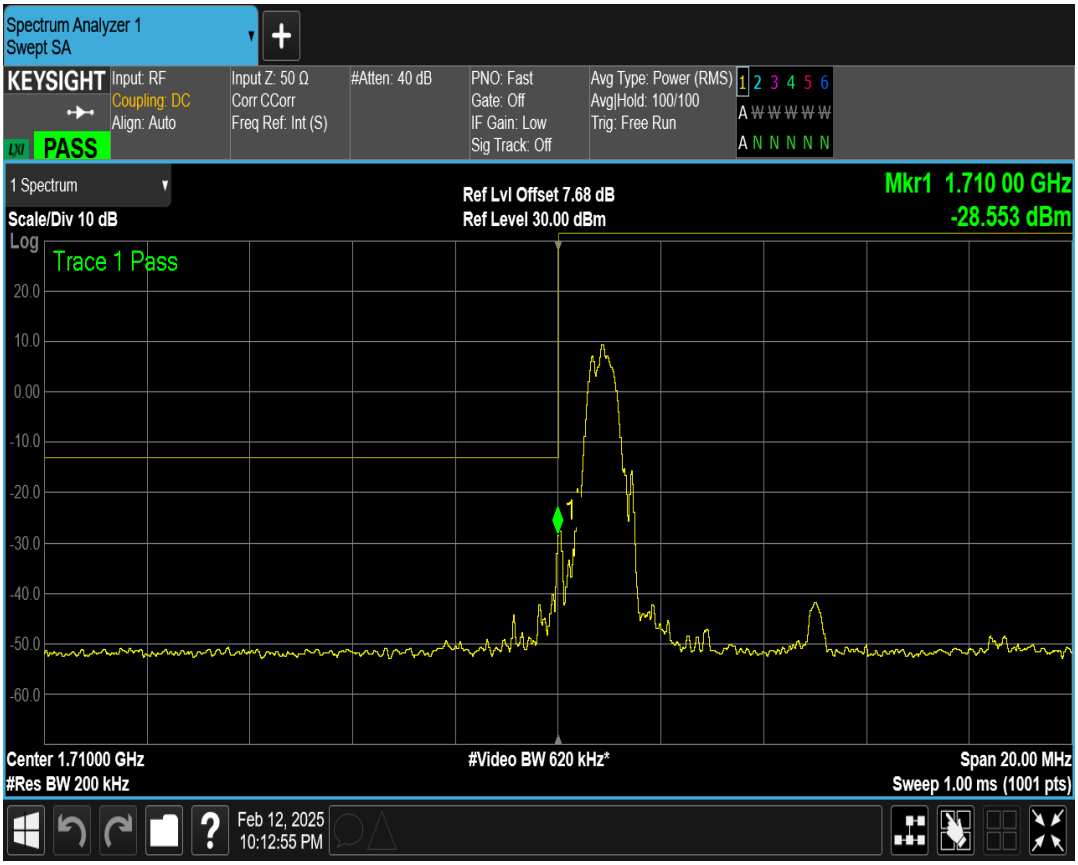
n66 SCS=30kHz DFT_QPSK BW=40MHz Channel=352000 RB=1@105



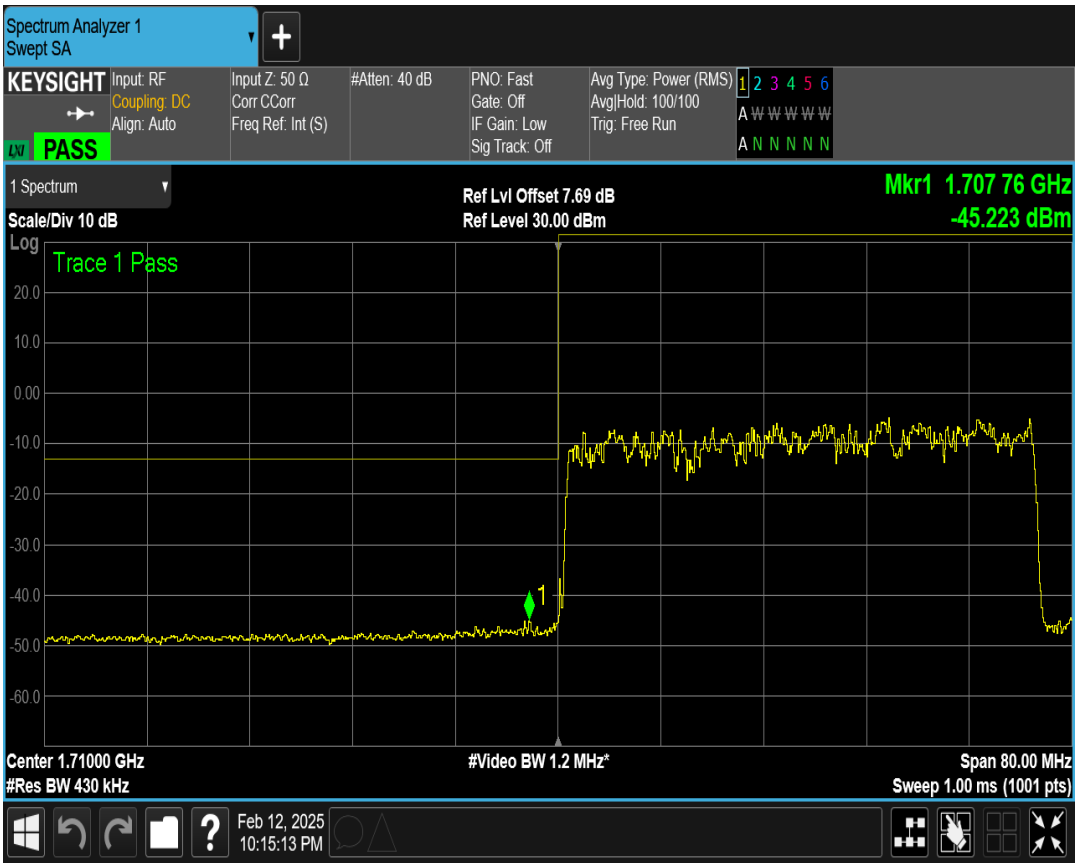
n66 SCS=30kHz DFT_QPSK BW=10MHz Channel=343000 RB=24@0



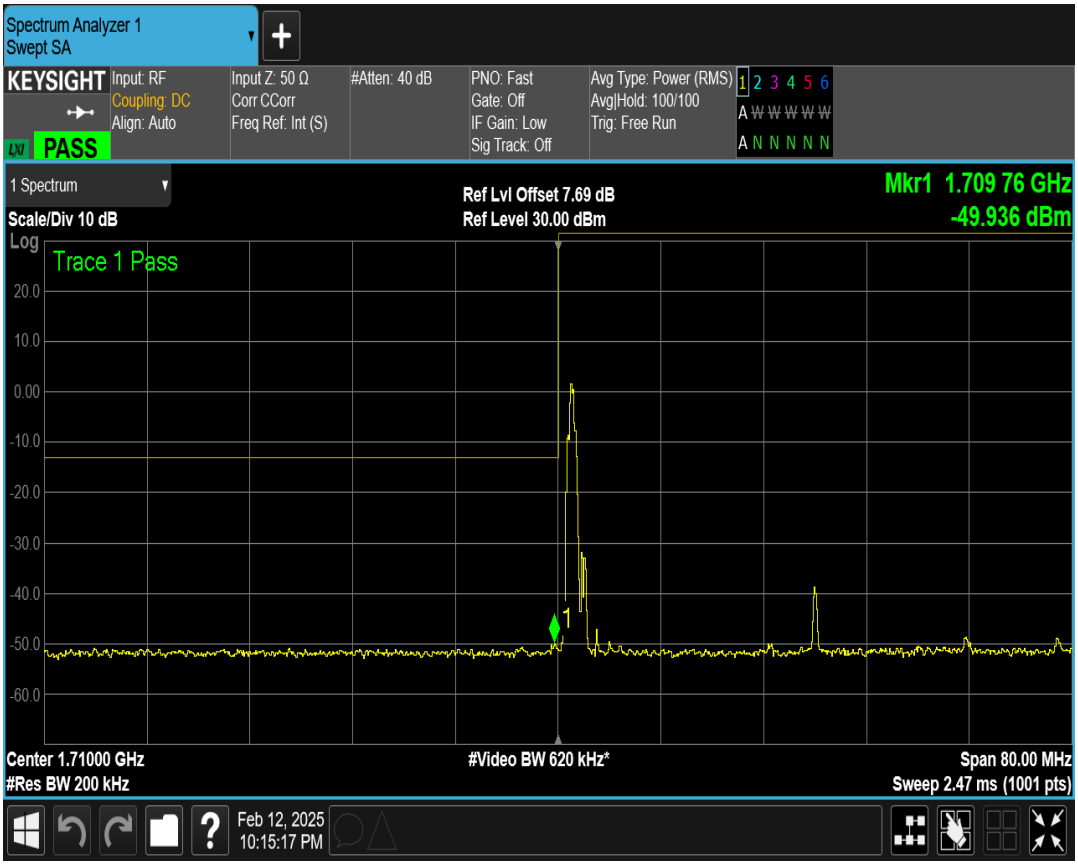
n66 SCS=30kHz DFT_QPSK BW=10MHz Channel=343000 RB=1@0



n66 SCS=30kHz DFT_QPSK BW=40MHz Channel=346000 RB=100@0



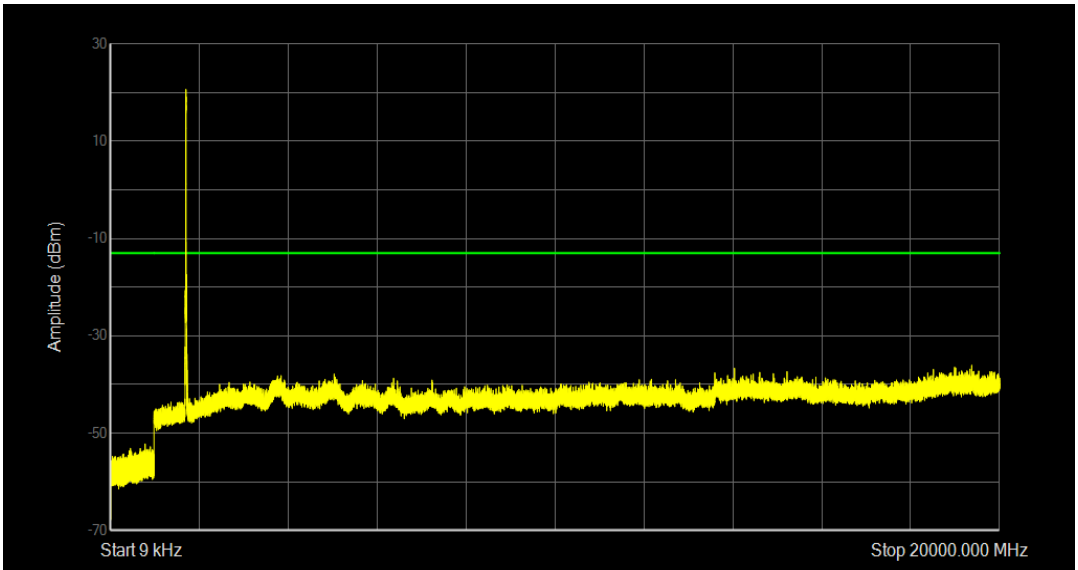
n66 SCS=30kHz DFT_QPSK BW=40MHz Channel=346000 RB=1@0



6 Out-of-band emissions for NR FR1

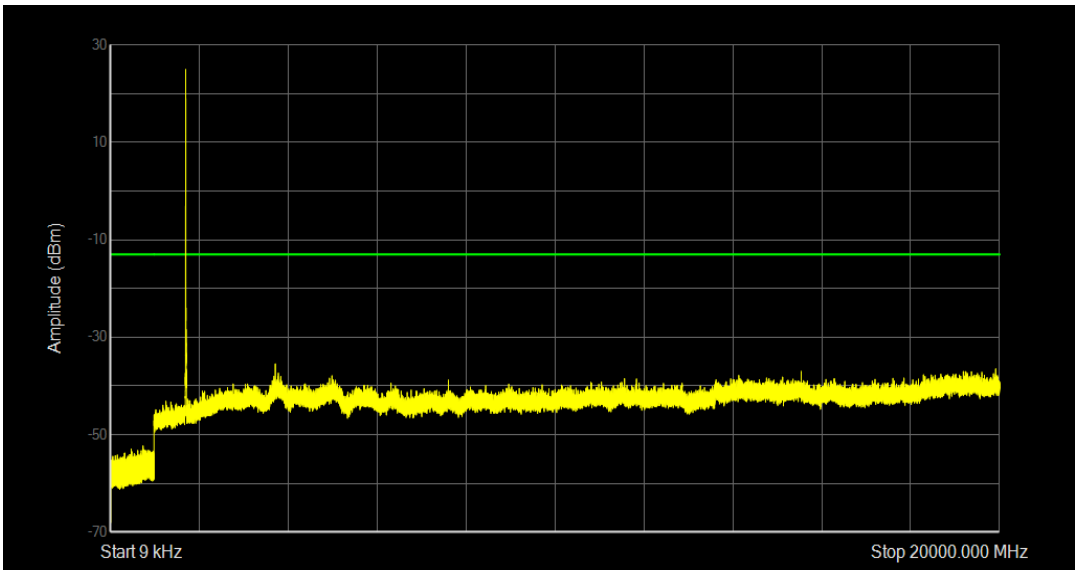
Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
n66	30	10	343000	24@0	DFT_QPSK	19374.43	-36.06	-13	PASS
n66	30	10	343000	1@0	DFT_QPSK	3726.03	-35.47	-13	PASS
n66	30	10	343000	1@23	DFT_QPSK	19159.25	-36.30	-13	PASS
n66	30	10	349000	24@0	DFT_QPSK	18724.63	-35.73	-13	PASS
n66	30	10	349000	1@0	DFT_QPSK	19505.05	-36.52	-13	PASS
n66	30	10	349000	1@23	DFT_QPSK	19452.33	-36.49	-13	PASS
n66	30	10	355000	24@0	DFT_QPSK	18651.95	-36.65	-13	PASS
n66	30	10	355000	1@0	DFT_QPSK	19316.95	-36.17	-13	PASS
n66	30	10	355000	1@23	DFT_QPSK	19963.43	-36.72	-13	PASS
n66	30	40	346000	100@0	DFT_QPSK	19471.33	-36.98	-13	PASS
n66	30	40	346000	1@0	DFT_QPSK	19842.30	-36.13	-13	PASS
n66	30	40	346000	1@105	DFT_QPSK	18874.73	-36.33	-13	PASS
n66	30	40	349000	100@0	DFT_QPSK	19762.98	-36.35	-13	PASS
n66	30	40	349000	1@0	DFT_QPSK	19961.05	-36.88	-13	PASS
n66	30	40	349000	1@105	DFT_QPSK	18867.13	-36.71	-13	PASS
n66	30	40	352000	100@0	DFT_QPSK	19956.78	-36.50	-13	PASS
n66	30	40	352000	1@0	DFT_QPSK	19140.73	-36.47	-13	PASS
n66	30	40	352000	1@105	DFT_QPSK	19810.95	-36.79	-13	PASS

n66 SCS=30kHz DFT_QPSK BW=10MHz Channel=343000 RB=24@0



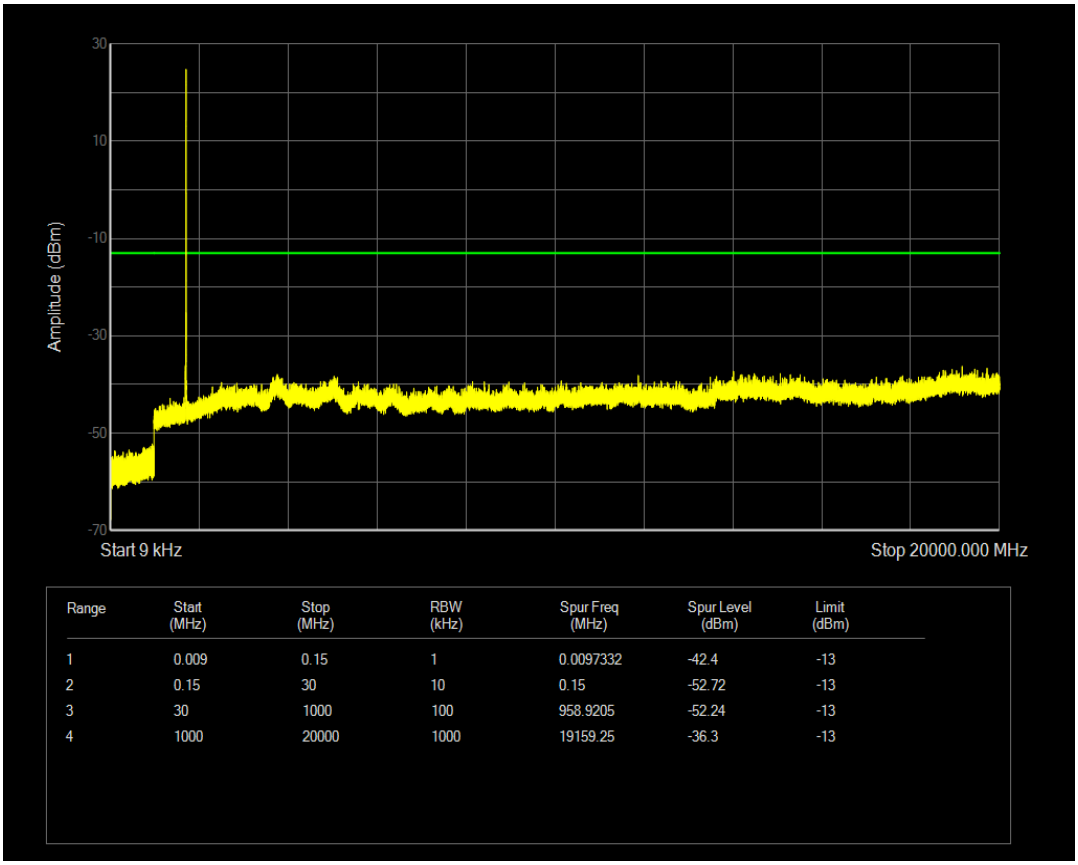
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009229125	-41.28	-13
2	0.15	30	10	0.17462625	-53.02	-13
3	30	1000	100	798.337	-52.24	-13
4	1000	20000	1000	19374.425	-36.06	-13

n66 SCS=30kHz DFT_QPSK BW=10MHz Channel=343000 RB=1@0



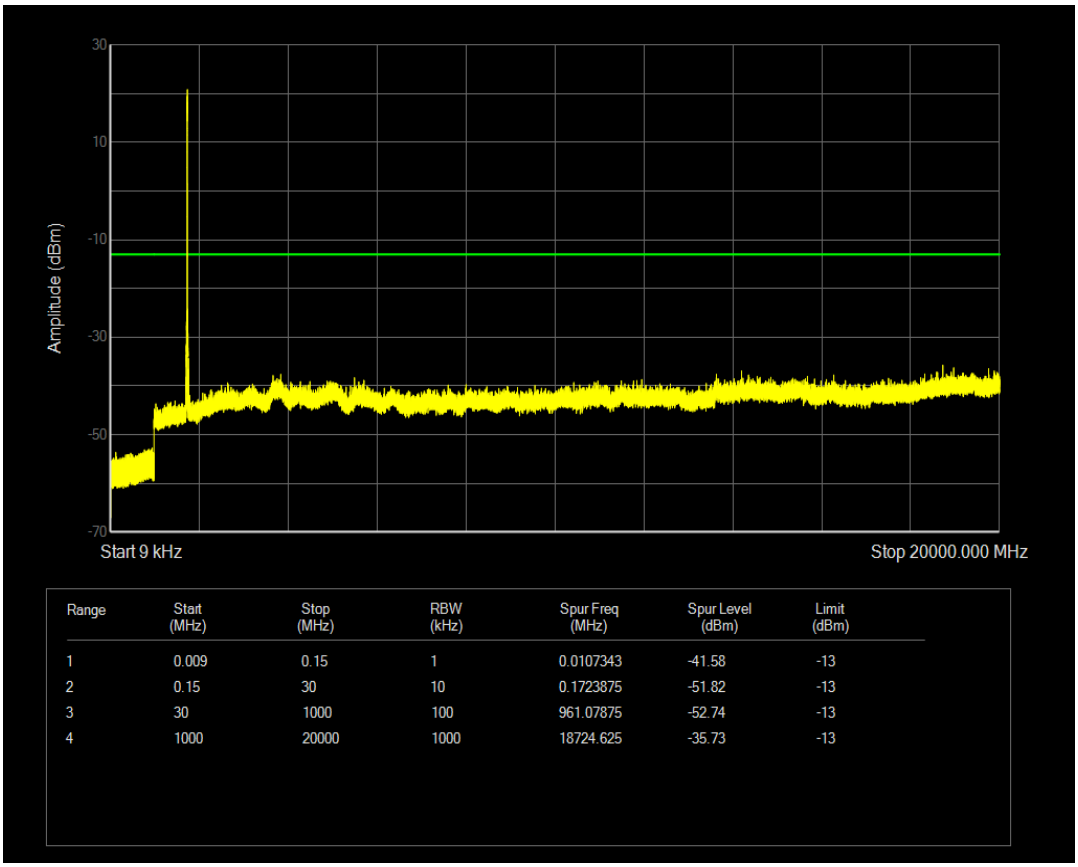
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0091692	-41.52	-13
2	0.15	30	10	0.17985	-52.44	-13
3	30	1000	100	753.25625	-52.32	-13
4	1000	20000	1000	3726.025	-35.47	-13

n66 SCS=30kHz DFT_QPSK BW=10MHz Channel=343000 RB=1@23



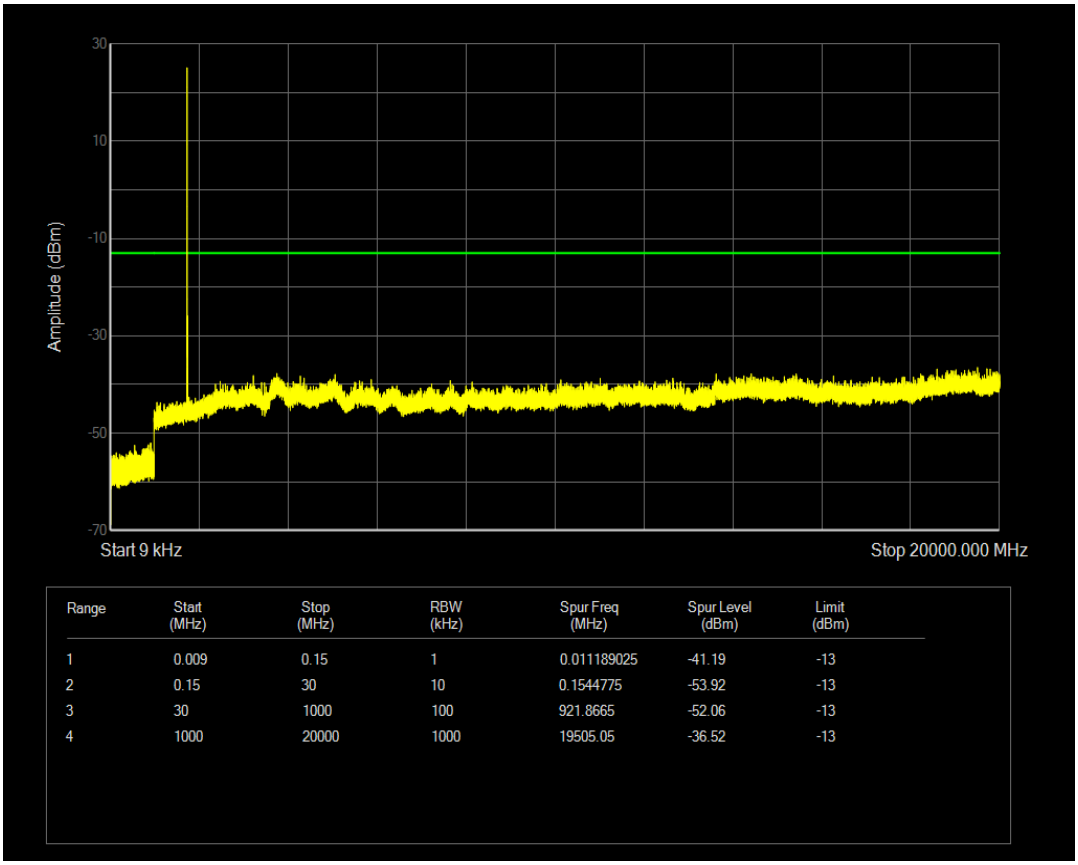
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0097332	-42.4	-13
2	0.15	30	10	0.15	-52.72	-13
3	30	1000	100	958.9205	-52.24	-13
4	1000	20000	1000	19159.25	-36.3	-13

n66 SCS=30kHz DFT_QPSK BW=10MHz Channel=349000 RB=24@0



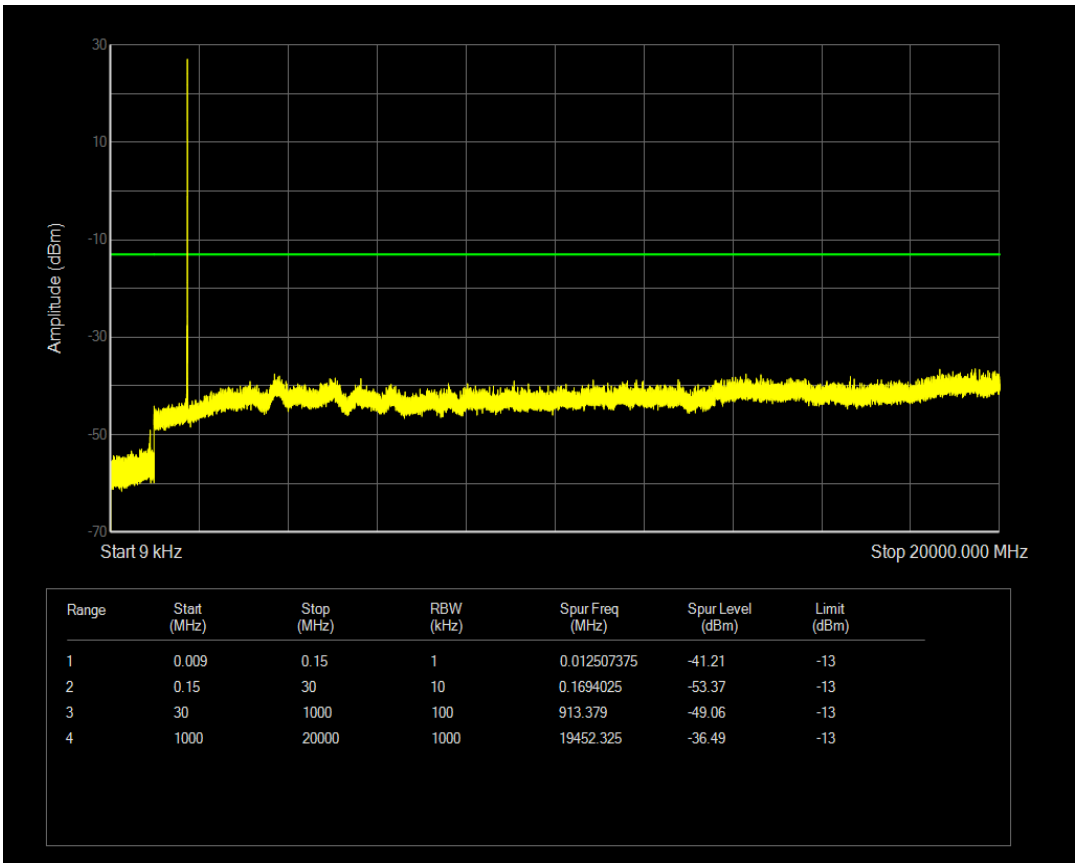
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0107343	-41.58	-13
2	0.15	30	10	0.1723875	-51.82	-13
3	30	1000	100	961.07875	-52.74	-13
4	1000	20000	1000	18724.625	-35.73	-13

n66 SCS=30kHz DFT_QPSK BW=10MHz Channel=349000 RB=1@0



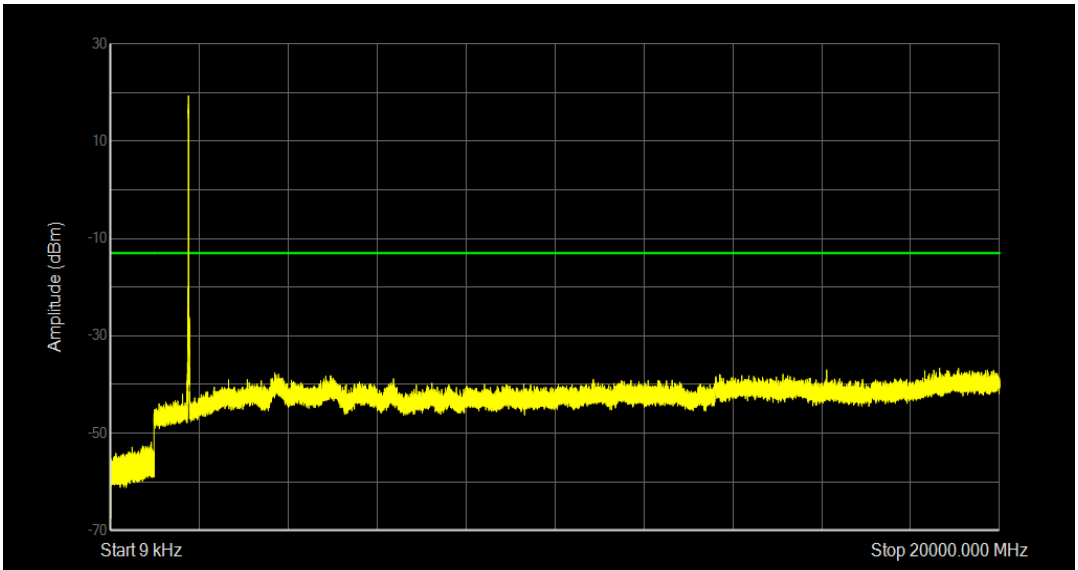
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.011189025	-41.19	-13
2	0.15	30	10	0.1544775	-53.92	-13
3	30	1000	100	921.8665	-52.06	-13
4	1000	20000	1000	19505.05	-36.52	-13

n66 SCS=30kHz DFT_QPSK BW=10MHz Channel=349000 RB=1@23



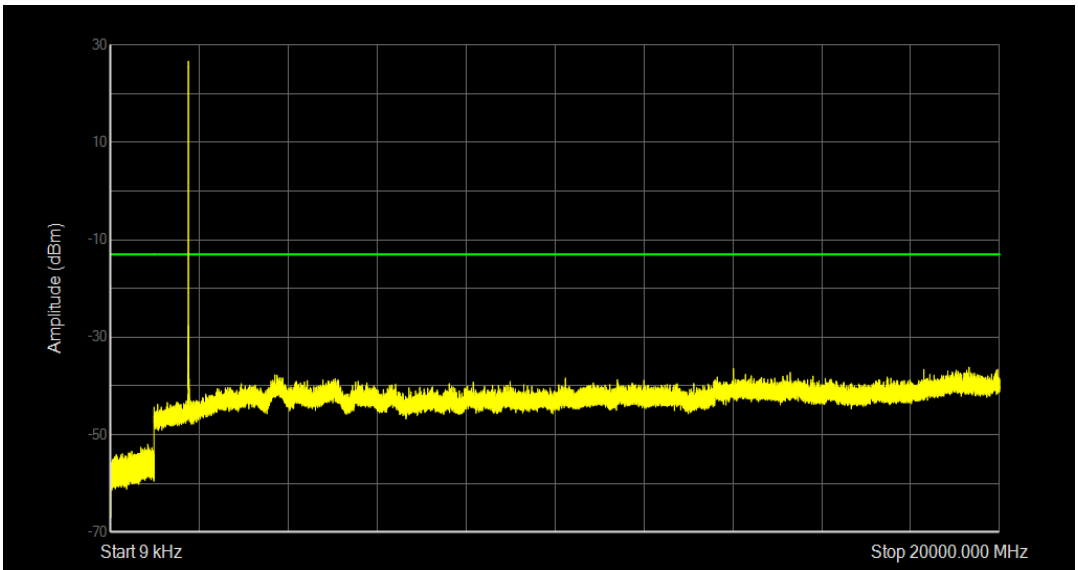
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.012507375	-41.21	-13
2	0.15	30	10	0.1694025	-53.37	-13
3	30	1000	100	913.379	-49.06	-13
4	1000	20000	1000	19452.325	-36.49	-13

n66 SCS=30kHz DFT_QPSK BW=10MHz Channel=355000 RB=24@0



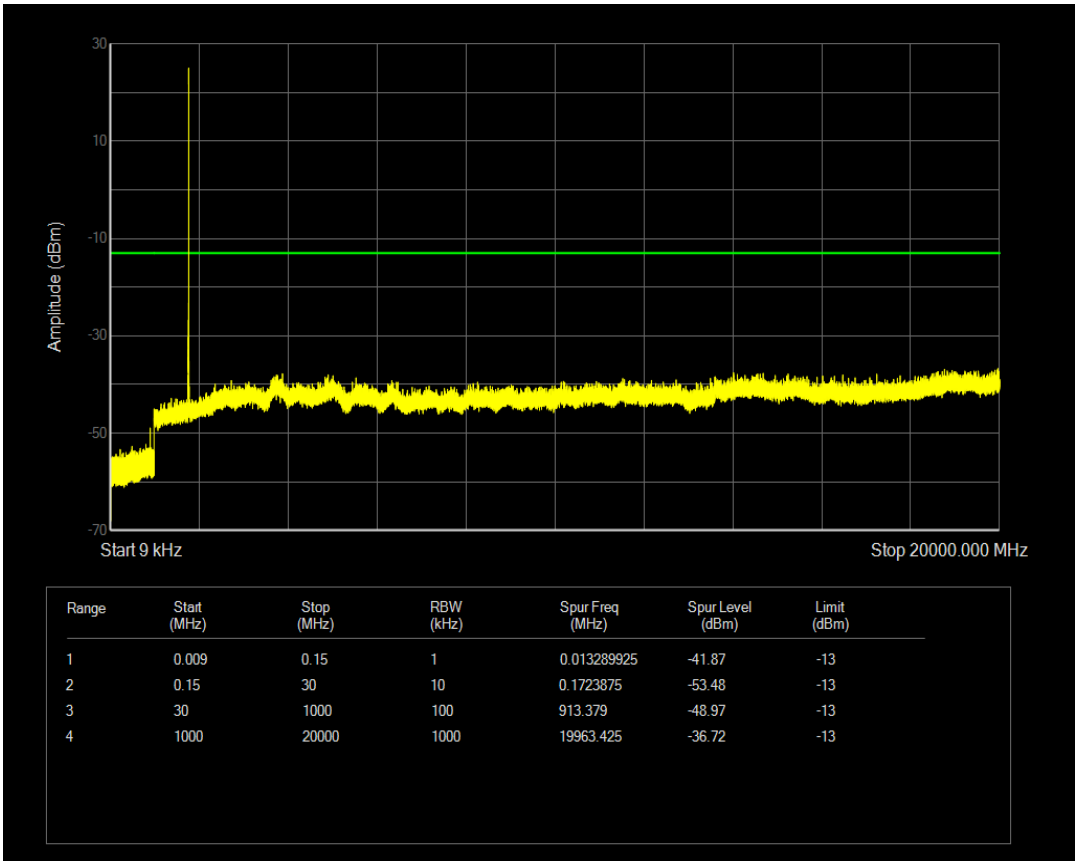
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.011971575	-42.75	-13
2	0.15	30	10	0.16791	-54.08	-13
3	30	1000	100	937.0955	-51.86	-13
4	1000	20000	1000	18651.95	-36.65	-13

n66 SCS=30kHz DFT_QPSK BW=10MHz Channel=355000 RB=1@0



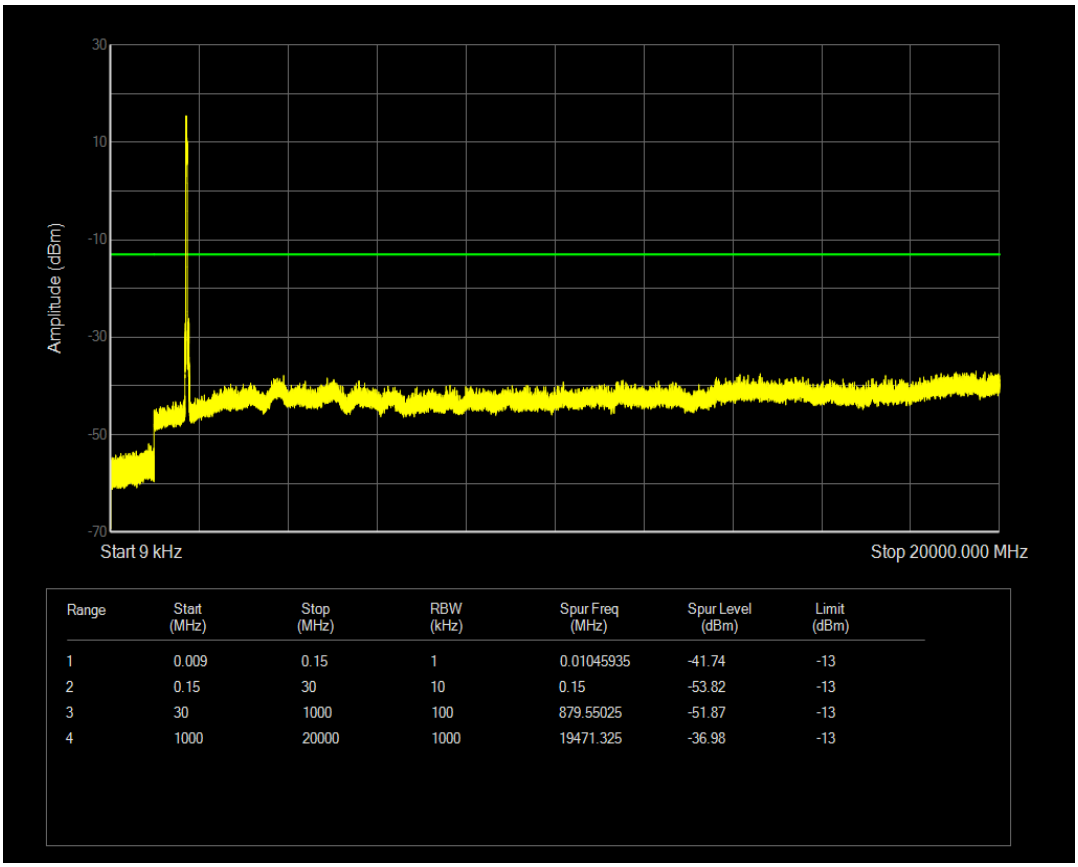
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01146045	-41.97	-13
2	0.15	30	10	0.15	-54.14	-13
3	30	1000	100	859.8835	-51.97	-13
4	1000	20000	1000	19316.95	-36.17	-13

n66 SCS=30kHz DFT_QPSK BW=10MHz Channel=355000 RB=1@23



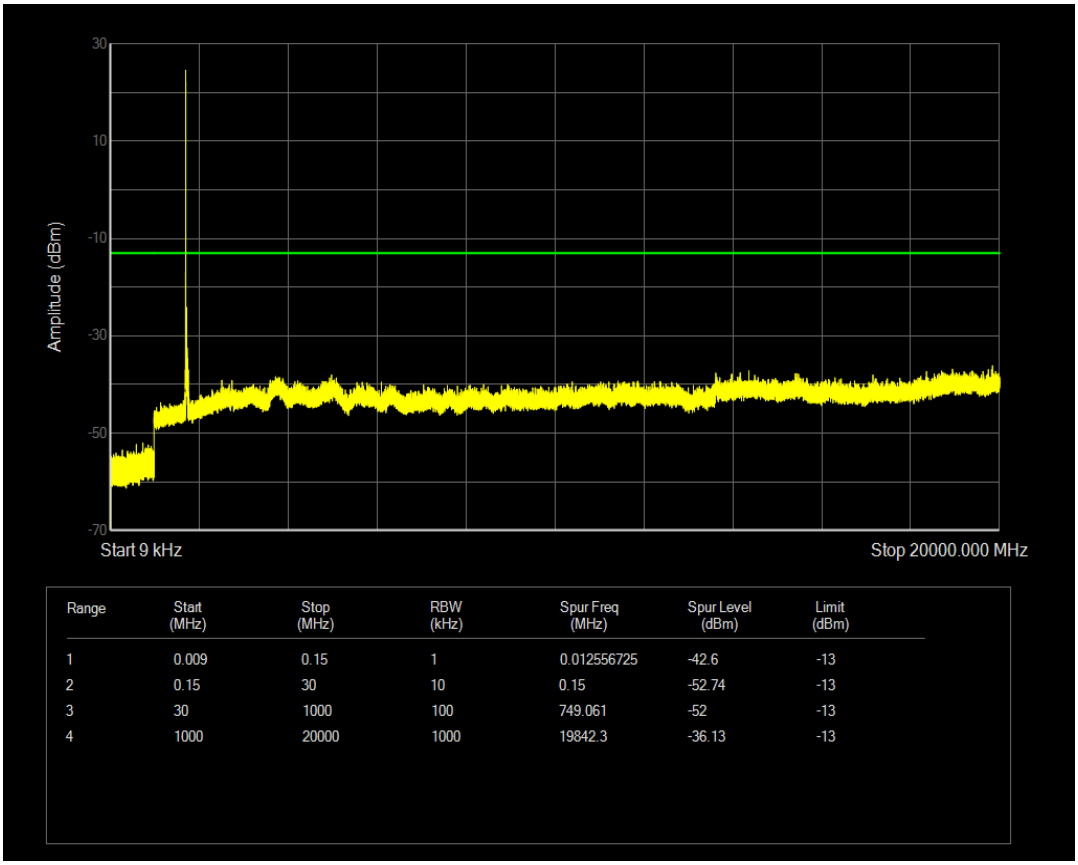
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.013289925	-41.87	-13
2	0.15	30	10	0.1723875	-53.48	-13
3	30	1000	100	913.379	-48.97	-13
4	1000	20000	1000	19963.425	-36.72	-13

n66 SCS=30kHz DFT_QPSK BW=40MHz Channel=346000 RB=100@0



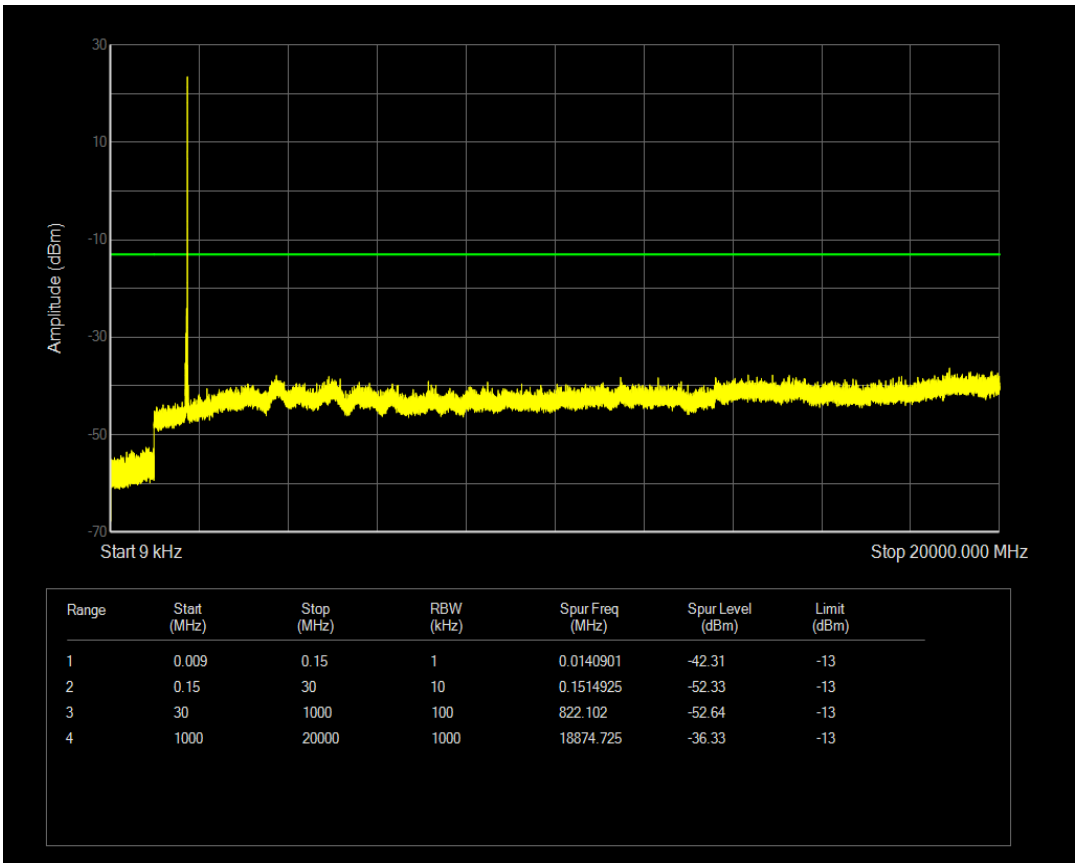
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01045935	-41.74	-13
2	0.15	30	10	0.15	-53.82	-13
3	30	1000	100	879.55025	-51.87	-13
4	1000	20000	1000	19471.325	-36.98	-13

n66 SCS=30kHz DFT_QPSK BW=40MHz Channel=346000 RB=1@0



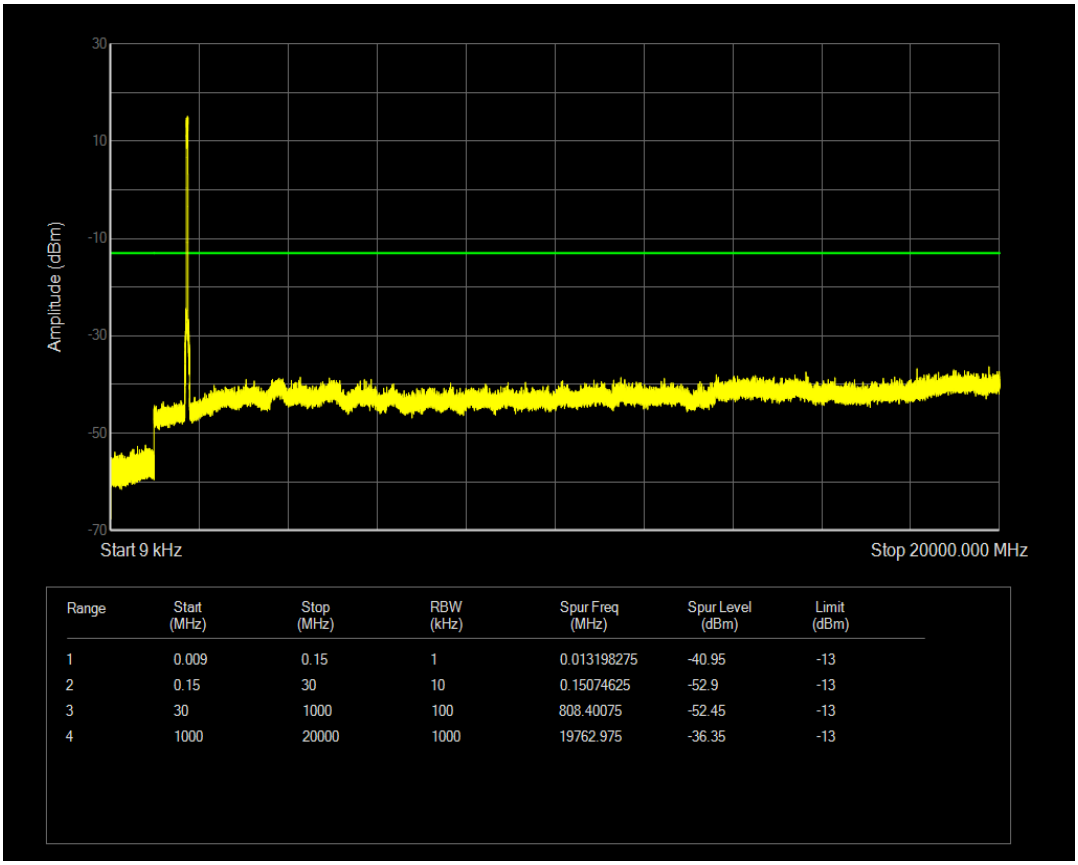
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.012556725	-42.6	-13
2	0.15	30	10	0.15	-52.74	-13
3	30	1000	100	749.061	-52	-13
4	1000	20000	1000	19842.3	-36.13	-13

n66 SCS=30kHz DFT_QPSK BW=40MHz Channel=346000 RB=1@105



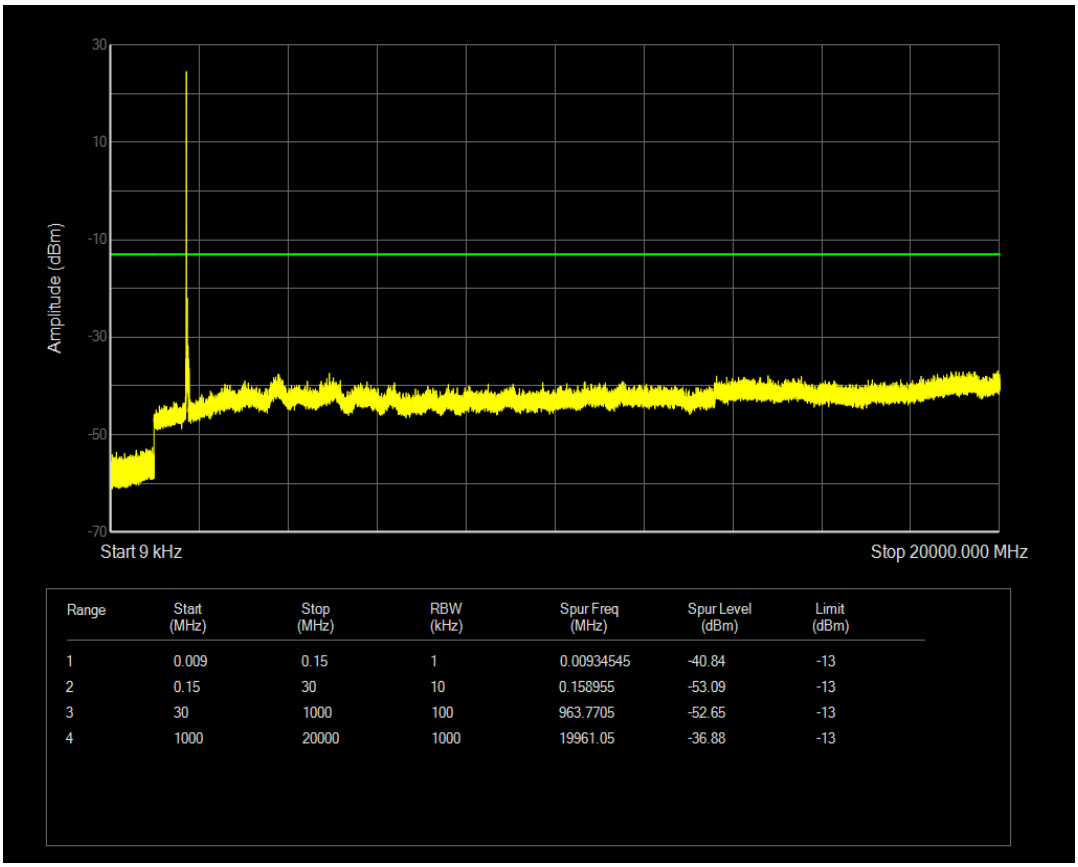
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0140901	-42.31	-13
2	0.15	30	10	0.1514925	-52.33	-13
3	30	1000	100	822.102	-52.64	-13
4	1000	20000	1000	18874.725	-36.33	-13

n66 SCS=30kHz DFT_QPSK BW=40MHz Channel=349000 RB=100@0



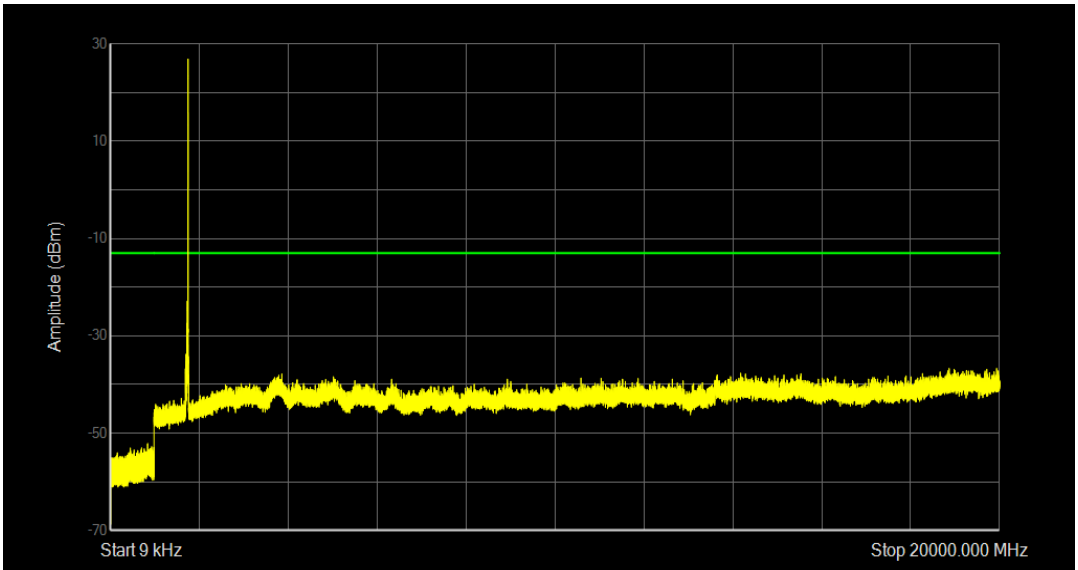
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.013198275	-40.95	-13
2	0.15	30	10	0.15074625	-52.9	-13
3	30	1000	100	808.40075	-52.45	-13
4	1000	20000	1000	19762.975	-36.35	-13

n66 SCS=30kHz DFT_QPSK BW=40MHz Channel=349000 RB=1@0



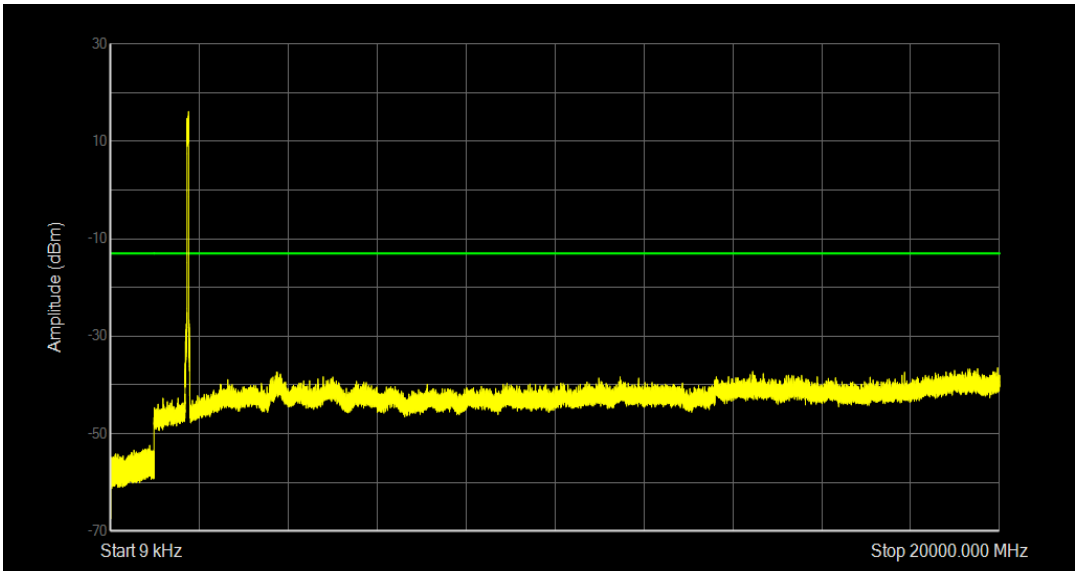
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.00934545	-40.84	-13
2	0.15	30	10	0.158955	-53.09	-13
3	30	1000	100	963.7705	-52.65	-13
4	1000	20000	1000	19961.05	-36.88	-13

n66 SCS=30kHz DFT_QPSK BW=40MHz Channel=349000 RB=1@105



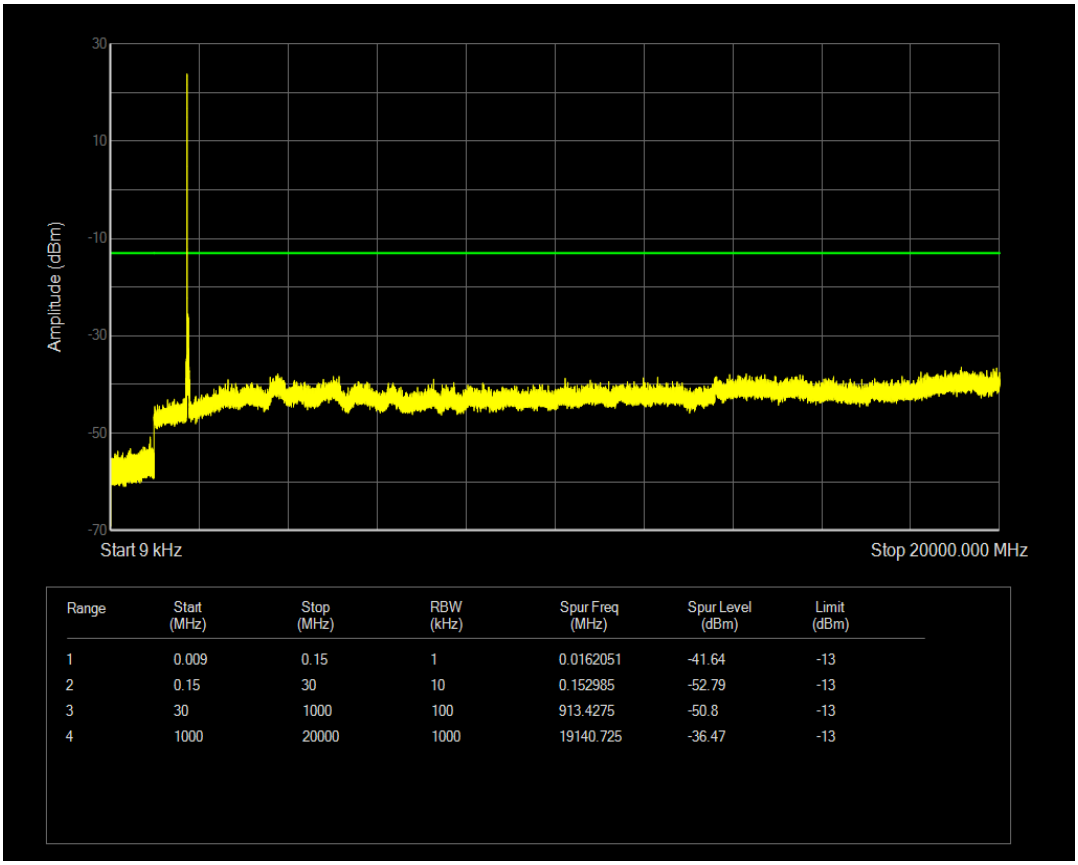
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.010117425	-41.47	-13
2	0.15	30	10	0.15671625	-53.17	-13
3	30	1000	100	855.68825	-52.14	-13
4	1000	20000	1000	18867.125	-36.71	-13

n66 SCS=30kHz DFT_QPSK BW=40MHz Channel=352000 RB=100@0



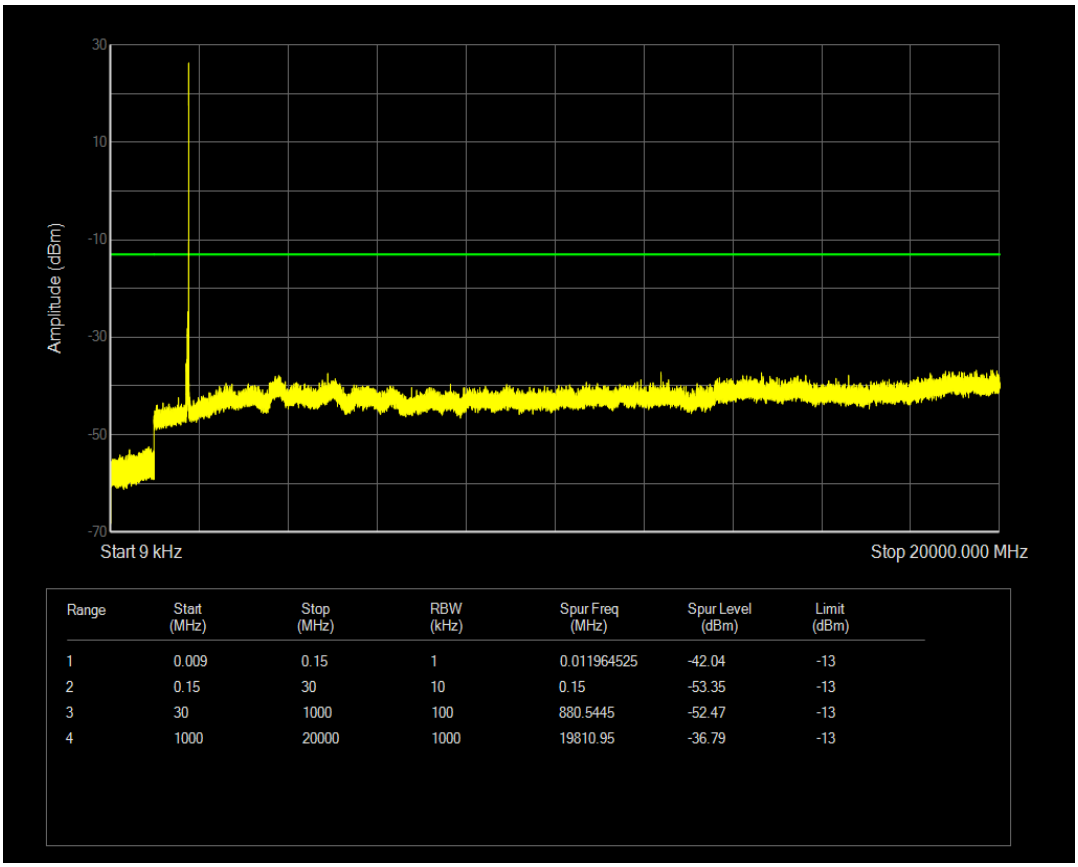
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.012331125	-42.3	-13
2	0.15	30	10	0.17313375	-53.9	-13
3	30	1000	100	901.13275	-52.42	-13
4	1000	20000	1000	19956.775	-36.5	-13

n66 SCS=30kHz DFT_QPSK BW=40MHz Channel=352000 RB=1@0



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0162051	-41.64	-13
2	0.15	30	10	0.152985	-52.79	-13
3	30	1000	100	913.4275	-50.8	-13
4	1000	20000	1000	19140.725	-36.47	-13

n66 SCS=30kHz DFT_QPSK BW=40MHz Channel=352000 RB=1@105



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.011964525	-42.04	-13
2	0.15	30	10	0.15	-53.35	-13
3	30	1000	100	880.5445	-52.47	-13
4	1000	20000	1000	19810.95	-36.79	-13