1 Conducted output power for NR FR1

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Conducted Power (dBm)	Gain (dBm)	ERP (dBm)	ERP Limit (dBm)	Verdict
n5	30	10	165800	12@6	DFT_BPSK	23.74	-6.02	15.57	38.45	PASS
n5	30	10	165800	1@1	DFT_BPSK	23.81	-6.02	15.64	38.45	PASS
n5	30	10	165800	1@22	DFT_BPSK	23.93	-6.02	15.76	38.45	PASS
n5	30	10	165800	24@0	DFT_BPSK	23.32	-6.02	15.15	38.45	PASS
n5	30	10	165800	12@6	DFT_QPSK	23.8	-6.02	15.63	38.45	PASS
n5	30	10	165800	1@1	DFT_QPSK	23.84	-6.02	15.67	38.45	PASS
n5	30	10	165800	1@22	DFT_QPSK	23.81	-6.02	15.64	38.45	PASS
n5	30	10	165800	24@0	DFT_QPSK	22.8	-6.02	14.63	38.45	PASS
n5	30	10	165800	12@6	DFT_QAM16	22.89	-6.02	14.72	38.45	PASS
n5	30	10	165800	1@1	DFT_QAM16	23.32	-6.02	15.15	38.45	PASS
n5	30	10	165800	1@22	DFT_QAM16	23.3	-6.02	15.13	38.45	PASS
n5	30	10	165800	24@0	DFT_QAM16	21.93	-6.02	13.76	38.45	PASS
n5	30	10	165800	12@6	DFT_QAM64	21.63	-6.02	13.46	38.45	PASS
n5	30	10	165800	1@1	DFT_QAM64	21.63	-6.02	13.46	38.45	PASS
n5	30	10	165800	1@22	DFT_QAM64	21.52	-6.02	13.35	38.45	PASS
n5	30	10	165800	24@0	DFT_QAM64	21.44	-6.02	13.27	38.45	PASS
n5	30	10	165800	12@6	DFT_QAM256	19.41	-6.02	11.24	38.45	PASS
n5	30	10	165800	1@1	DFT_QAM256	19.26	-6.02	11.09	38.45	PASS
n5	30	10	165800	1@22	DFT_QAM256	19.24	-6.02	11.07	38.45	PASS
n5	30	10	165800	24@0	DFT_QAM256	19.41	-6.02	11.24	38.45	PASS
n5	30	10	165800	12@6	CP_QPSK	22.5	-6.02	14.33	38.45	PASS
n5	30	10	165800	1@1	CP_QPSK	22.32	-6.02	14.15	38.45	PASS
n5	30	10	165800	1@22	CP_QPSK	22.29	-6.02	14.12	38.45	PASS
n5	30	10	165800	24@0	CP_QPSK	20.94	-6.02	12.77	38.45	PASS
n5	30	10	165800	12@6	CP_QAM16	21.73	-6.02	13.56	38.45	PASS
n5	30	10	165800	1@1	CP_QAM16	22.29	-6.02	14.12	38.45	PASS
n5	30	10	165800	1@22	CP_QAM16	22.25	-6.02	14.08	38.45	PASS
n5	30	10	165800	24@0	CP_QAM16	20.85	-6.02	12.68	38.45	PASS
n5	30	10	165800	12@6	CP_QAM64	20.41	-6.02	12.24	38.45	PASS
n5	30	10	165800	1@1	CP_QAM64	20.33	-6.02	12.16	38.45	PASS
n5	30	10	165800	1@22	CP_QAM64	20.49	-6.02	12.32	38.45	PASS
n5	30	10	165800	24@0	CP_QAM64	20.32	-6.02	12.15	38.45	PASS
n5	30	10	165800	12@6	CP_QAM256	17.34	-6.02	9.17	38.45	PASS
n5	30	10	165800	1@1	CP_QAM256	17.3	-6.02	9.13	38.45	PASS
n5	30	10	165800	1@22	CP_QAM256	17.44	-6.02	9.27	38.45	PASS
n5	30	10	165800	24@0	CP_QAM256	17.39	-6.02	9.22	38.45	PASS
n5	30	10	167300	12@6	DFT_BPSK	23.99	-6.02	15.82	38.45	PASS
n5	30	10	167300	1@1	DFT_BPSK	23.89	-6.02	15.72	38.45	PASS

n5	30	10	167300	1@22	DFT_BPSK	23.83	-6.02	15.66	38.45	PASS
n5	30	10	167300	24@0	DFT_BPSK	23.43	-6.02	15.26	38.45	PASS
n5	30	10	167300	12@6	DFT_QPSK	23.85	-6.02	15.68	38.45	PASS
n5	30	10	167300	1@1	DFT_QPSK	23.8	-6.02	15.63	38.45	PASS
n5	30	10	167300	1@22	DFT_QPSK	23.81	-6.02	15.64	38.45	PASS
n5	30	10	167300	24@0	DFT_QPSK	22.85	-6.02	14.68	38.45	PASS
n5	30	10	167300	12@6	DFT_QAM16	22.92	-6.02	14.75	38.45	PASS
n5	30	10	167300	1@1	DFT_QAM16	23.27	-6.02	15.1	38.45	PASS
n5	30	10	167300	1@22	DFT_QAM16	23.33	-6.02	15.16	38.45	PASS
n5	30	10	167300	24@0	DFT_QAM16	21.92	-6.02	13.75	38.45	PASS
n5	30	10	167300	12@6	DFT_QAM64	21.54	-6.02	13.37	38.45	PASS
n5	30	10	167300	1@1	DFT_QAM64	21.48	-6.02	13.31	38.45	PASS
n5	30	10	167300	1@22	DFT_QAM64	21.61	-6.02	13.44	38.45	PASS
n5	30	10	167300	24@0	DFT_QAM64	21.5	-6.02	13.33	38.45	PASS
n5	30	10	167300	12@6	DFT_QAM256	19.44	-6.02	11.27	38.45	PASS
n5	30	10	167300	1@1	DFT_QAM256	19.24	-6.02	11.07	38.45	PASS
n5	30	10	167300	1@22	DFT_QAM256	19.31	-6.02	11.14	38.45	PASS
n5	30	10	167300	24@0	DFT_QAM256	19.48	-6.02	11.31	38.45	PASS
n5	30	10	167300	12@6	CP_QPSK	22.52	-6.02	14.35	38.45	PASS
n5	30	10	167300	1@1	CP_QPSK	22.34	-6.02	14.17	38.45	PASS
n5	30	10	167300	1@22	CP_QPSK	22.29	-6.02	14.12	38.45	PASS
n5	30	10	167300	24@0	CP_QPSK	20.94	-6.02	12.77	38.45	PASS
n5	30	10	167300	12@6	CP_QAM16	21.77	-6.02	13.6	38.45	PASS
n5	30	10	167300	1@1	CP_QAM16	22.23	-6.02	14.06	38.45	PASS
n5	30	10	167300	1@22	CP_QAM16	21.99	-6.02	13.82	38.45	PASS
n5	30	10	167300	24@0	CP_QAM16	20.93	-6.02	12.76	38.45	PASS
n5	30	10	167300	12@6	CP_QAM64	20.5	-6.02	12.33	38.45	PASS
n5	30	10	167300	1@1	CP_QAM64	20.61	-6.02	12.44	38.45	PASS
n5	30	10	167300	1@22	CP_QAM64	20.52	-6.02	12.35	38.45	PASS
n5	30	10	167300	24@0	CP_QAM64	20.42	-6.02	12.25	38.45	PASS
n5	30	10	167300	12@6	CP_QAM256	17.48	-6.02	9.31	38.45	PASS
n5	30	10	167300	1@1	CP_QAM256	17.54	-6.02	9.37	38.45	PASS
n5	30	10	167300	1@22	CP_QAM256	17.4	-6.02	9.23	38.45	PASS
n5	30	10	167300	24@0	CP_QAM256	17.51	-6.02	9.34	38.45	PASS
n5	30	10	168800	12@6	DFT_BPSK	23.81	-6.02	15.64	38.45	PASS
n5	30	10	168800	1@1	DFT_BPSK	23.86	-6.02	15.69	38.45	PASS
n5	30	10	168800	1@22	DFT_BPSK	23.9	-6.02	15.73	38.45	PASS
n5	30	10	168800	24@0	DFT_BPSK	23.38	-6.02	15.21	38.45	PASS
n5	30	10	168800	12@6	DFT_QPSK	23.74	-6.02	15.57	38.45	PASS
n5	30	10	168800	1@1	DFT_QPSK	23.71	-6.02	15.54	38.45	PASS
n5	30	10	168800	1@22	DFT_QPSK	23.82	-6.02	15.65	38.45	PASS
n5	30	10	168800	24@0	DFT_QPSK	22.87	-6.02	14.7	38.45	PASS
n5	30	10	168800	12@6	DFT_QAM16	22.94	-6.02	14.77	38.45	PASS

n5	30	10	168800	1@1	DFT_QAM16	23.34	-6.02	15.17	38.45	PASS
n5	30	10	168800	1@22	DFT_QAM16	23.33	-6.02	15.16	38.45	PASS
n5	30	10	168800	24@0	DFT_QAM16	22.03	-6.02	13.86	38.45	PASS
n5	30	10	168800	12@6	DFT_QAM64	21.61	-6.02	13.44	38.45	PASS
n5	30	10	168800	1@1	DFT_QAM64	21.65	-6.02	13.48	38.45	PASS
n5	30	10	168800	1@22	DFT_QAM64	21.56	-6.02	13.39	38.45	PASS
n5	30	10	168800	24@0	DFT_QAM64	21.55	-6.02	13.38	38.45	PASS
n5	30	10	168800	12@6	DFT_QAM256	19.44	-6.02	11.27	38.45	PASS
n5	30	10	168800	1@1	DFT_QAM256	19.51	-6.02	11.34	38.45	PASS
n5	30	10	168800	1@22	DFT_QAM256	19.49	-6.02	11.32	38.45	PASS
n5	30	10	168800	24@0	DFT_QAM256	19.47	-6.02	11.3	38.45	PASS
n5	30	10	168800	12@6	CP_QPSK	22.48	-6.02	14.31	38.45	PASS
n5	30	10	168800	1@1	CP_QPSK	22.21	-6.02	14.04	38.45	PASS
n5	30	10	168800	1@22	CP_QPSK	22.35	-6.02	14.18	38.45	PASS
n5	30	10	168800	24@0	CP_QPSK	20.91	-6.02	12.74	38.45	PASS
n5	30	10	168800	12@6	CP_QAM16	21.76	-6.02	13.59	38.45	PASS
n5	30	10	168800	1@1	CP_QAM16	22.03	-6.02	13.86	38.45	PASS
n5	30	10	168800	1@22	CP_QAM16	21.92	-6.02	13.75	38.45	PASS
n5	30	10	168800	24@0	CP_QAM16	20.93	-6.02	12.76	38.45	PASS
n5	30	10	168800	12@6	CP_QAM64	20.48	-6.02	12.31	38.45	PASS
n5	30	10	168800	1@1	CP_QAM64	20.48	-6.02	12.31	38.45	PASS
n5	30	10	168800	1@22	CP_QAM64	20.96	-6.02	12.79	38.45	PASS
n5	30	10	168800	24@0	CP_QAM64	20.32	-6.02	12.15	38.45	PASS
n5	30	10	168800	12@6	CP_QAM256	17.38	-6.02	9.21	38.45	PASS
n5	30	10	168800	1@1	CP_QAM256	17.41	-6.02	9.24	38.45	PASS
n5	30	10	168800	1@22	CP_QAM256	17.44	-6.02	9.27	38.45	PASS
n5	30	10	168800	24@0	CP_QAM256	17.34	-6.02	9.17	38.45	PASS
n5	30	15	166300	18@9	DFT_BPSK	23.95	-6.02	15.78	38.45	PASS
n5	30	15	166300	1@1	DFT_BPSK	23.79	-6.02	15.62	38.45	PASS
n5	30	15	166300	1@36	DFT_BPSK	23.9	-6.02	15.73	38.45	PASS
n5	30	15	166300	36@0	DFT_BPSK	23.33	-6.02	15.16	38.45	PASS
n5	30	15	166300	18@9	DFT_QPSK	23.84	-6.02	15.67	38.45	PASS
n5	30	15	166300	1@1	DFT_QPSK	23.56	-6.02	15.39	38.45	PASS
n5	30	15	166300	1@36	DFT_QPSK	23.7	-6.02	15.53	38.45	PASS
n5	30	15	166300	36@0	DFT_QPSK	22.93	-6.02	14.76	38.45	PASS
n5	30	15	166300	18@9	DFT_QAM16	23.02	-6.02	14.85	38.45	PASS
n5	30	15	166300	1@1	DFT_QAM16	22.71	-6.02	14.54	38.45	PASS
n5	30	15	166300	1@36	DFT_QAM16	22.85	-6.02	14.68	38.45	PASS
n5	30	15	166300	36@0	DFT_QAM16	21.95	-6.02	13.78	38.45	PASS
n5	30	15	166300	18@9	DFT_QAM64	21.51	-6.02	13.34	38.45	PASS
n5	30	15	166300	1@1	DFT_QAM64	21.5	-6.02	13.33	38.45	PASS
n5	30	15	166300	1@36	DFT_QAM64	21.41	-6.02	13.24	38.45	PASS
n5	30	15	166300	36@0	DFT_QAM64	21.48	-6.02	13.31	38.45	PASS

n5	30	15	166300	18@9	DFT_QAM256	19.42	-6.02	11.25	38.45	PASS
n5	30	15	166300	1@1	DFT_QAM256	19.36	-6.02	11.19	38.45	PASS
n5	30	15	166300	1@36	DFT_QAM256	19.45	-6.02	11.28	38.45	PASS
n5	30	15	166300	36@0	DFT_QAM256	19.37	-6.02	11.2	38.45	PASS
n5	30	15	166300	19@9	CP_QPSK	22.59	-6.02	14.42	38.45	PASS
n5	30	15	166300	1@1	CP_QPSK	22.1	-6.02	13.93	38.45	PASS
n5	30	15	166300	1@36	CP_QPSK	22.32	-6.02	14.15	38.45	PASS
n5	30	15	166300	38@0	CP_QPSK	20.92	-6.02	12.75	38.45	PASS
n5	30	15	166300	19@9	CP_QAM16	21.96	-6.02	13.79	38.45	PASS
n5	30	15	166300	1@1	CP_QAM16	22.22	-6.02	14.05	38.45	PASS
n5	30	15	166300	1@36	CP_QAM16	22.3	-6.02	14.13	38.45	PASS
n5	30	15	166300	38@0	CP_QAM16	20.91	-6.02	12.74	38.45	PASS
n5	30	15	166300	19@9	CP_QAM64	20.63	-6.02	12.46	38.45	PASS
n5	30	15	166300	1@1	CP_QAM64	20.26	-6.02	12.09	38.45	PASS
n5	30	15	166300	1@36	CP_QAM64	20.94	-6.02	12.77	38.45	PASS
n5	30	15	166300	38@0	CP_QAM64	20.45	-6.02	12.28	38.45	PASS
n5	30	15	166300	19@9	CP_QAM256	17.44	-6.02	9.27	38.45	PASS
n5	30	15	166300	1@1	CP_QAM256	17.26	-6.02	9.09	38.45	PASS
n5	30	15	166300	1@36	CP_QAM256	17.39	-6.02	9.22	38.45	PASS
n5	30	15	166300	38@0	CP_QAM256	17.42	-6.02	9.25	38.45	PASS
n5	30	15	167300	18@9	DFT_BPSK	23.8	-6.02	15.63	38.45	PASS
n5	30	15	167300	1@1	DFT_BPSK	23.72	-6.02	15.55	38.45	PASS
n5	30	15	167300	1@36	DFT_BPSK	23.78	-6.02	15.61	38.45	PASS
n5	30	15	167300	36@0	DFT_BPSK	23.44	-6.02	15.27	38.45	PASS
n5	30	15	167300	18@9	DFT_QPSK	23.77	-6.02	15.6	38.45	PASS
n5	30	15	167300	1@1	DFT_QPSK	23.79	-6.02	15.62	38.45	PASS
n5	30	15	167300	1@36	DFT_QPSK	23.74	-6.02	15.57	38.45	PASS
n5	30	15	167300	36@0	DFT_QPSK	22.92	-6.02	14.75	38.45	PASS
n5	30	15	167300	18@9	DFT_QAM16	23.03	-6.02	14.86	38.45	PASS
n5	30	15	167300	1@1	DFT_QAM16	22.84	-6.02	14.67	38.45	PASS
n5	30	15	167300	1@36	DFT_QAM16	22.86	-6.02	14.69	38.45	PASS
n5	30	15	167300	36@0	DFT_QAM16	22.04	-6.02	13.87	38.45	PASS
n5	30	15	167300	18@9	DFT_QAM64	21.6	-6.02	13.43	38.45	PASS
n5	30	15	167300	1@1	DFT_QAM64	21.43	-6.02	13.26	38.45	PASS
n5	30	15	167300	1@36	DFT_QAM64	21.68	-6.02	13.51	38.45	PASS
n5	30	15	167300	36@0	DFT_QAM64	21.49	-6.02	13.32	38.45	PASS
n5	30	15	167300	18@9	DFT_QAM256	19.48	-6.02	11.31	38.45	PASS
n5	30	15	167300	1@1	DFT_QAM256	19.25	-6.02	11.08	38.45	PASS
n5	30	15	167300	1@36	DFT_QAM256	19.39	-6.02	11.22	38.45	PASS
n5	30	15	167300	36@0	DFT_QAM256	19.36	-6.02	11.19	38.45	PASS
n5	30	15	167300	19@9	CP_QPSK	22.4	-6.02	14.23	38.45	PASS
n5	30	15	167300	1@1	CP_QPSK	22.09	-6.02	13.92	38.45	PASS
n5	30	15	167300	1@36	CP_QPSK	22.06	-6.02	13.89	38.45	PASS

n5	30	15	167300	38@0	CP_QPSK	20.94	-6.02	12.77	38.45	PASS
n5	30	15	167300	19@9	CP_QAM16	22.01	-6.02	13.84	38.45	PASS
n5	30	15	167300	1@1	CP_QAM16	21.74	-6.02	13.57	38.45	PASS
n5	30	15	167300	1@36	CP_QAM16	22.04	-6.02	13.87	38.45	PASS
n5	30	15	167300	38@0	CP_QAM16	20.98	-6.02	12.81	38.45	PASS
n5	30	15	167300	19@9	CP_QAM64	20.65	-6.02	12.48	38.45	PASS
n5	30	15	167300	1@1	CP_QAM64	20.48	-6.02	12.31	38.45	PASS
n5	30	15	167300	1@36	CP_QAM64	20.53	-6.02	12.36	38.45	PASS
n5	30	15	167300	38@0	CP_QAM64	20.53	-6.02	12.36	38.45	PASS
n5	30	15	167300	19@9	CP_QAM256	17.53	-6.02	9.36	38.45	PASS
n5	30	15	167300	1@1	CP_QAM256	17.19	-6.02	9.02	38.45	PASS
n5	30	15	167300	1@36	CP_QAM256	17.41	-6.02	9.24	38.45	PASS
n5	30	15	167300	38@0	CP_QAM256	17.42	-6.02	9.25	38.45	PASS
n5	30	15	168300	18@9	DFT_BPSK	23.91	-6.02	15.74	38.45	PASS
n5	30	15	168300	1@1	DFT_BPSK	23.84	-6.02	15.67	38.45	PASS
n5	30	15	168300	1@36	DFT_BPSK	23.85	-6.02	15.68	38.45	PASS
n5	30	15	168300	36@0	DFT_BPSK	23.34	-6.02	15.17	38.45	PASS
n5	30	15	168300	18@9	DFT_QPSK	23.82	-6.02	15.65	38.45	PASS
n5	30	15	168300	1@1	DFT_QPSK	23.7	-6.02	15.53	38.45	PASS
n5	30	15	168300	1@36	DFT_QPSK	23.7	-6.02	15.53	38.45	PASS
n5	30	15	168300	36@0	DFT_QPSK	22.92	-6.02	14.75	38.45	PASS
n5	30	15	168300	18@9	DFT_QAM16	23.04	-6.02	14.87	38.45	PASS
n5	30	15	168300	1@1	DFT_QAM16	23.25	-6.02	15.08	38.45	PASS
n5	30	15	168300	1@36	DFT_QAM16	23.15	-6.02	14.98	38.45	PASS
n5	30	15	168300	36@0	DFT_QAM16	21.93	-6.02	13.76	38.45	PASS
n5	30	15	168300	18@9	DFT_QAM64	21.56	-6.02	13.39	38.45	PASS
n5	30	15	168300	1@1	DFT_QAM64	21.48	-6.02	13.31	38.45	PASS
n5	30	15	168300	1@36	DFT_QAM64	21.44	-6.02	13.27	38.45	PASS
n5	30	15	168300	36@0	DFT_QAM64	21.49	-6.02	13.32	38.45	PASS
n5	30	15	168300	18@9	DFT_QAM256	19.42	-6.02	11.25	38.45	PASS
n5	30	15	168300	1@1	DFT_QAM256	19.51	-6.02	11.34	38.45	PASS
n5	30	15	168300	1@36	DFT_QAM256	19.21	-6.02	11.04	38.45	PASS
n5	30	15	168300	36@0	DFT_QAM256	19.4	-6.02	11.23	38.45	PASS
n5	30	15	168300	19@9	CP_QPSK	22.37	-6.02	14.2	38.45	PASS
n5	30	15	168300	1@1	CP_QPSK	22.37	-6.02	14.2	38.45	PASS
n5	30	15	168300	1@36	CP_QPSK	22.13	-6.02	13.96	38.45	PASS
n5	30	15	168300	38@0	CP_QPSK	20.93	-6.02	12.76	38.45	PASS
n5	30	15	168300	19@9	CP_QAM16	21.95	-6.02	13.78	38.45	PASS
n5	30	15	168300	1@1	CP_QAM16	22.17	-6.02	14	38.45	PASS
n5	30	15	168300	1@36	CP_QAM16	21.93	-6.02	13.76	38.45	PASS
n5	30	15	168300	38@0	CP_QAM16	20.88	-6.02	12.71	38.45	PASS
n5	30	15	168300	19@9	CP_QAM64	20.66	-6.02	12.49	38.45	PASS
n5	30	15	168300	1@1	CP_QAM64	20.35	-6.02	12.18	38.45	PASS

n5	30	15	168300	1@36	CP_QAM64	20.34	-6.02	12.17	38.45	PASS
n5	30	15	168300	38@0	CP_QAM64	20.4	-6.02	12.23	38.45	PASS
n5	30	15	168300	19@9	CP_QAM256	17.47	-6.02	9.3	38.45	PASS
n5	30	15	168300	1@1	CP_QAM256	17.37	-6.02	9.2	38.45	PASS
n5	30	15	168300	1@36	CP_QAM256	17.36	-6.02	9.19	38.45	PASS
n5	30	15	168300	38@0	CP_QAM256	17.48	-6.02	9.31	38.45	PASS
n5	30	20	166800	25@12	DFT_BPSK	24.02	-6.02	15.85	38.45	PASS
n5	30	20	166800	1@1	DFT_BPSK	23.78	-6.02	15.61	38.45	PASS
n5	30	20	166800	1@49	DFT_BPSK	23.77	-6.02	15.6	38.45	PASS
n5	30	20	166800	50@0	DFT_BPSK	23.43	-6.02	15.26	38.45	PASS
n5	30	20	166800	25@12	DFT_QPSK	23.98	-6.02	15.81	38.45	PASS
n5	30	20	166800	1@1	DFT_QPSK	23.64	-6.02	15.47	38.45	PASS
n5	30	20	166800	1@49	DFT_QPSK	23.65	-6.02	15.48	38.45	PASS
n5	30	20	166800	50@0	DFT_QPSK	22.92	-6.02	14.75	38.45	PASS
n5	30	20	166800	25@12	DFT_QAM16	23	-6.02	14.83	38.45	PASS
n5	30	20	166800	1@1	DFT_QAM16	22.79	-6.02	14.62	38.45	PASS
n5	30	20	166800	1@49	DFT_QAM16	22.86	-6.02	14.69	38.45	PASS
n5	30	20	166800	50@0	DFT_QAM16	21.98	-6.02	13.81	38.45	PASS
n5	30	20	166800	25@12	DFT_QAM64	21.51	-6.02	13.34	38.45	PASS
n5	30	20	166800	1@1	DFT_QAM64	21.48	-6.02	13.31	38.45	PASS
n5	30	20	166800	1@49	DFT_QAM64	21.51	-6.02	13.34	38.45	PASS
n5	30	20	166800	50@0	DFT_QAM64	21.45	-6.02	13.28	38.45	PASS
n5	30	20	166800	25@12	DFT_QAM256	19.47	-6.02	11.3	38.45	PASS
n5	30	20	166800	1@1	DFT_QAM256	19.28	-6.02	11.11	38.45	PASS
n5	30	20	166800	1@49	DFT_QAM256	19.27	-6.02	11.1	38.45	PASS
n5	30	20	166800	50@0	DFT_QAM256	19.44	-6.02	11.27	38.45	PASS
n5	30	20	166800	25@12	CP_QPSK	22.52	-6.02	14.35	38.45	PASS
n5	30	20	166800	1@1	CP_QPSK	22.2	-6.02	14.03	38.45	PASS
n5	30	20	166800	1@49	CP_QPSK	22.13	-6.02	13.96	38.45	PASS
n5	30	20	166800	51@0	CP_QPSK	20.9	-6.02	12.73	38.45	PASS
n5	30	20	166800	25@12	CP_QAM16	22.05	-6.02	13.88	38.45	PASS
n5	30	20	166800	1@1	CP_QAM16	22.11	-6.02	13.94	38.45	PASS
n5	30	20	166800	1@49	CP_QAM16	22.06	-6.02	13.89	38.45	PASS
n5	30	20	166800	51@0	CP_QAM16	20.93	-6.02	12.76	38.45	PASS
n5	30	20	166800	25@12	CP_QAM64	20.6	-6.02	12.43	38.45	PASS
n5	30	20	166800	1@1	CP_QAM64	20.44	-6.02	12.27	38.45	PASS
n5	30	20	166800	1@49	CP_QAM64	20.65	-6.02	12.48	38.45	PASS
n5	30	20	166800	51@0	CP_QAM64	20.42	-6.02	12.25	38.45	PASS
n5	30	20	166800	25@12	CP_QAM256	17.58	-6.02	9.41	38.45	PASS
n5	30	20	166800	1@1	CP_QAM256	17.28	-6.02	9.11	38.45	PASS
n5	30	20	166800	1@49	CP_QAM256	17.32	-6.02	9.15	38.45	PASS
n5	30	20	166800	51@0	CP_QAM256	17.39	-6.02	9.22	38.45	PASS
n5	30	20	167300	25@12	DFT_BPSK	24.15	-6.02	15.98	38.45	PASS

n5	30	20	167300	1@1	DFT_BPSK	23.7	-6.02	15.53	38.45	PASS
n5	30	20	167300	1@49	DFT_BPSK	23.84	-6.02	15.67	38.45	PASS
n5	30	20	167300	50@0	DFT_BPSK	23.41	-6.02	15.24	38.45	PASS
n5	30	20	167300	25@12	DFT_QPSK	23.94	-6.02	15.77	38.45	PASS
n5	30	20	167300	1@1	DFT_QPSK	23.58	-6.02	15.41	38.45	PASS
n5	30	20	167300	1@49	DFT_QPSK	23.61	-6.02	15.44	38.45	PASS
n5	30	20	167300	50@0	DFT_QPSK	22.91	-6.02	14.74	38.45	PASS
n5	30	20	167300	25@12	DFT_QAM16	22.93	-6.02	14.76	38.45	PASS
n5	30	20	167300	1@1	DFT_QAM16	23.23	-6.02	15.06	38.45	PASS
n5	30	20	167300	1@49	DFT_QAM16	23.18	-6.02	15.01	38.45	PASS
n5	30	20	167300	50@0	DFT_QAM16	21.98	-6.02	13.81	38.45	PASS
n5	30	20	167300	25@12	DFT_QAM64	21.49	-6.02	13.32	38.45	PASS
n5	30	20	167300	1@1	DFT_QAM64	21.62	-6.02	13.45	38.45	PASS
n5	30	20	167300	1@49	DFT_QAM64	21.37	-6.02	13.2	38.45	PASS
n5	30	20	167300	50@0	DFT_QAM64	21.46	-6.02	13.29	38.45	PASS
n5	30	20	167300	25@12	DFT_QAM256	19.48	-6.02	11.31	38.45	PASS
n5	30	20	167300	1@1	DFT_QAM256	19.2	-6.02	11.03	38.45	PASS
n5	30	20	167300	1@49	DFT_QAM256	19.4	-6.02	11.23	38.45	PASS
n5	30	20	167300	50@0	DFT_QAM256	19.45	-6.02	11.28	38.45	PASS
n5	30	20	167300	25@12	CP_QPSK	22.62	-6.02	14.45	38.45	PASS
n5	30	20	167300	1@1	CP_QPSK	22.2	-6.02	14.03	38.45	PASS
n5	30	20	167300	1@49	CP_QPSK	22.26	-6.02	14.09	38.45	PASS
n5	30	20	167300	51@0	CP_QPSK	20.84	-6.02	12.67	38.45	PASS
n5	30	20	167300	25@12	CP_QAM16	22.04	-6.02	13.87	38.45	PASS
n5	30	20	167300	1@1	CP_QAM16	21.95	-6.02	13.78	38.45	PASS
n5	30	20	167300	1@49	CP_QAM16	21.91	-6.02	13.74	38.45	PASS
n5	30	20	167300	51@0	CP_QAM16	21.01	-6.02	12.84	38.45	PASS
n5	30	20	167300	25@12	CP_QAM64	20.54	-6.02	12.37	38.45	PASS
n5	30	20	167300	1@1	CP_QAM64	20.2	-6.02	12.03	38.45	PASS
n5	30	20	167300	1@49	CP_QAM64	20.33	-6.02	12.16	38.45	PASS
n5	30	20	167300	51@0	CP_QAM64	20.55	-6.02	12.38	38.45	PASS
n5	30	20	167300	25@12	CP_QAM256	17.53	-6.02	9.36	38.45	PASS
n5	30	20	167300	1@1	CP_QAM256	17.22	-6.02	9.05	38.45	PASS
n5	30	20	167300	1@49	CP_QAM256	17.28	-6.02	9.11	38.45	PASS
n5	30	20	167300	51@0	CP_QAM256	17.39	-6.02	9.22	38.45	PASS
n5	30	20	167800	25@12	DFT_BPSK	24.11	-6.02	15.94	38.45	PASS
n5	30	20	167800	1@1	DFT_BPSK	23.72	-6.02	15.55	38.45	PASS
n5	30	20	167800	1@49	DFT_BPSK	23.9	-6.02	15.73	38.45	PASS
n5	30	20	167800	50@0	DFT_BPSK	23.38	-6.02	15.21	38.45	PASS
n5	30	20	167800	25@12	DFT_QPSK	24.14	-6.02	15.97	38.45	PASS
n5	30	20	167800	1@1	DFT_QPSK	23.68	-6.02	15.51	38.45	PASS
n5	30	20	167800	1@49	DFT_QPSK	23.75	-6.02	15.58	38.45	PASS
n5	30	20	167800	50@0	DFT_QPSK	22.89	-6.02	14.72	38.45	PASS

n5	30	20	167800	25@12	DFT_QAM16	23.01	-6.02	14.84	38.45	PASS
n5	30	20	167800	1@1	DFT_QAM16	23.24	-6.02	15.07	38.45	PASS
n5	30	20	167800	1@49	DFT_QAM16	22.83	-6.02	14.66	38.45	PASS
n5	30	20	167800	50@0	DFT_QAM16	21.88	-6.02	13.71	38.45	PASS
n5	30	20	167800	25@12	DFT_QAM64	21.53	-6.02	13.36	38.45	PASS
n5	30	20	167800	1@1	DFT_QAM64	21.54	-6.02	13.37	38.45	PASS
n5	30	20	167800	1@49	DFT_QAM64	21.38	-6.02	13.21	38.45	PASS
n5	30	20	167800	50@0	DFT_QAM64	21.42	-6.02	13.25	38.45	PASS
n5	30	20	167800	25@12	DFT_QAM256	19.46	-6.02	11.29	38.45	PASS
n5	30	20	167800	1@1	DFT_QAM256	19.4	-6.02	11.23	38.45	PASS
n5	30	20	167800	1@49	DFT_QAM256	19.22	-6.02	11.05	38.45	PASS
n5	30	20	167800	50@0	DFT_QAM256	19.41	-6.02	11.24	38.45	PASS
n5	30	20	167800	25@12	CP_QPSK	22.53	-6.02	14.36	38.45	PASS
n5	30	20	167800	1@1	CP_QPSK	22.12	-6.02	13.95	38.45	PASS
n5	30	20	167800	1@49	CP_QPSK	22.33	-6.02	14.16	38.45	PASS
n5	30	20	167800	51@0	CP_QPSK	20.88	-6.02	12.71	38.45	PASS
n5	30	20	167800	25@12	CP_QAM16	22.01	-6.02	13.84	38.45	PASS
n5	30	20	167800	1@1	CP_QAM16	22.27	-6.02	14.1	38.45	PASS
n5	30	20	167800	1@49	CP_QAM16	21.8	-6.02	13.63	38.45	PASS
n5	30	20	167800	51@0	CP_QAM16	20.86	-6.02	12.69	38.45	PASS
n5	30	20	167800	25@12	CP_QAM64	20.6	-6.02	12.43	38.45	PASS
n5	30	20	167800	1@1	CP_QAM64	20.39	-6.02	12.22	38.45	PASS
n5	30	20	167800	1@49	CP_QAM64	20.47	-6.02	12.3	38.45	PASS
n5	30	20	167800	51@0	CP_QAM64	20.53	-6.02	12.36	38.45	PASS
n5	30	20	167800	25@12	CP_QAM256	17.5	-6.02	9.33	38.45	PASS
n5	30	20	167800	1@1	CP_QAM256	17.28	-6.02	9.11	38.45	PASS
n5	30	20	167800	1@49	CP_QAM256	17.26	-6.02	9.09	38.45	PASS
n5	30	20	167800	51@0	CP_QAM256	17.33	-6.02	9.16	38.45	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
n5	30	20	167300	25@12	DFT_BPSK	3.91	-4.93	-0.01	Within authorized band for 5G NR n5	PASS
n5	30	20	167300	25@12	DFT_BPSK	3.45	-7.38	-0.01		PASS
n5	30	20	167300	25@12	DFT_BPSK	4.50	-5.31	-0.01		PASS
n5	30	20	167300	25@12	DFT_QPSK	3.91	-7.32	-0.01		PASS
n5	30	20	167300	25@12	DFT_QPSK	3.45	-3.91	0.00		PASS
n5	30	20	167300	25@12	DFT_QPSK	4.50	-7.35	-0.01		PASS

Note: Only the worst case shown in the report.

NV:

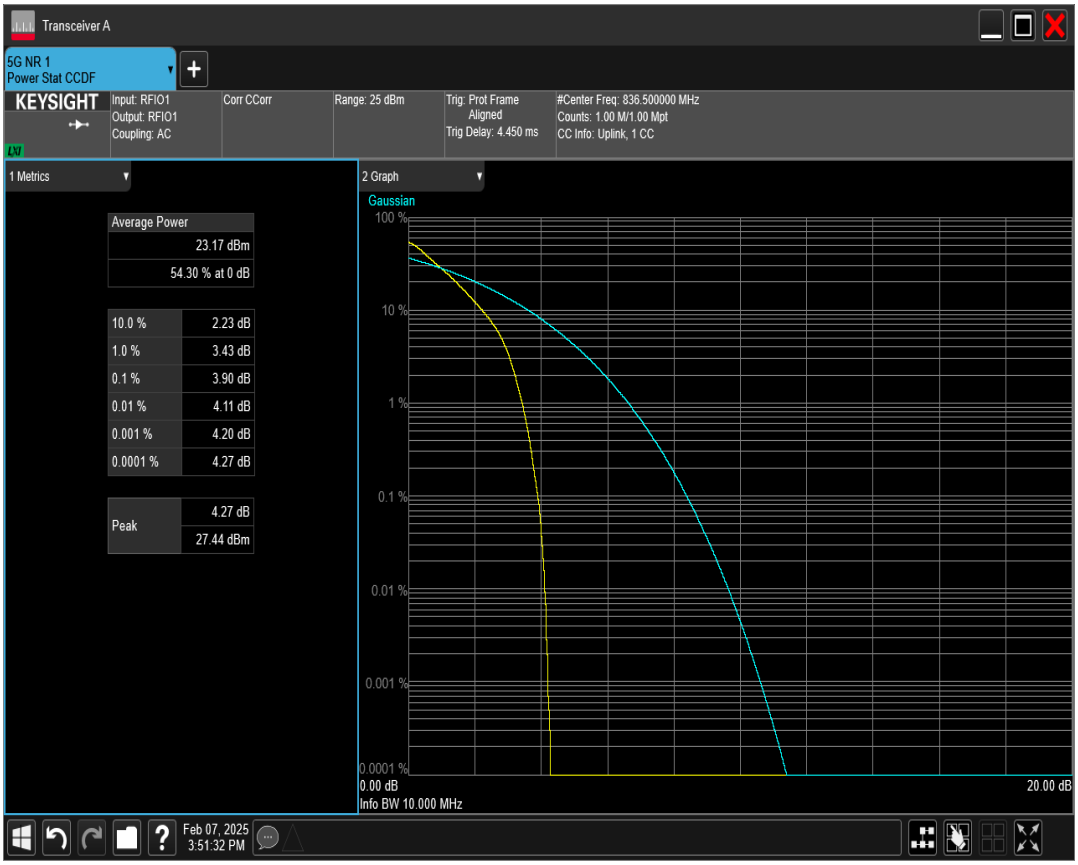
Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Temperature(℃)	Result(Hz)	Result (ppm)	Limit (ppm)	Verdict
n5	30	20	167300	25@12	DFT_BPSK	-30	-2.6	0.00	Within authorized band for 5G NR n5	PASS
n5	30	20	167300	25@12	DFT_BPSK	-20	-1.55	0.00		PASS
n5	30	20	167300	25@12	DFT_BPSK	-10	-4.7	-0.01		PASS
n5	30	20	167300	25@12	DFT_BPSK	0	-3.84	0.00		PASS
n5	30	20	167300	25@12	DFT_BPSK	10	-4.5	-0.01		PASS
n5	30	20	167300	25@12	DFT_BPSK	20	-3.51	0.00		PASS
n5	30	20	167300	25@12	DFT_BPSK	30	-5.34	-0.01		PASS
n5	30	20	167300	25@12	DFT_BPSK	40	-4.6	-0.01		PASS
n5	30	20	167300	25@12	DFT_BPSK	50	-5.09	-0.01		PASS
n5	30	20	167300	25@12	DFT_QPSK	-30	-3.3	0.00		PASS
n5	30	20	167300	25@12	DFT_QPSK	-20	-1.78	0.00		PASS
n5	30	20	167300	25@12	DFT_QPSK	-10	-1.55	0.00		PASS
n5	30	20	167300	25@12	DFT_QPSK	0	-3.83	0.00		PASS
n5	30	20	167300	25@12	DFT_QPSK	10	-6.62	-0.01		PASS
n5	30	20	167300	25@12	DFT_QPSK	20	-3.67	0.00		PASS
n5	30	20	167300	25@12	DFT_QPSK	30	-4.61	-0.01		PASS
n5	30	20	167300	25@12	DFT_QPSK	40	-4.07	-0.01		PASS
n5	30	20	167300	25@12	DFT_QPSK	50	-2.5	0.00		PASS

Note: Only the worst case shown in the report.

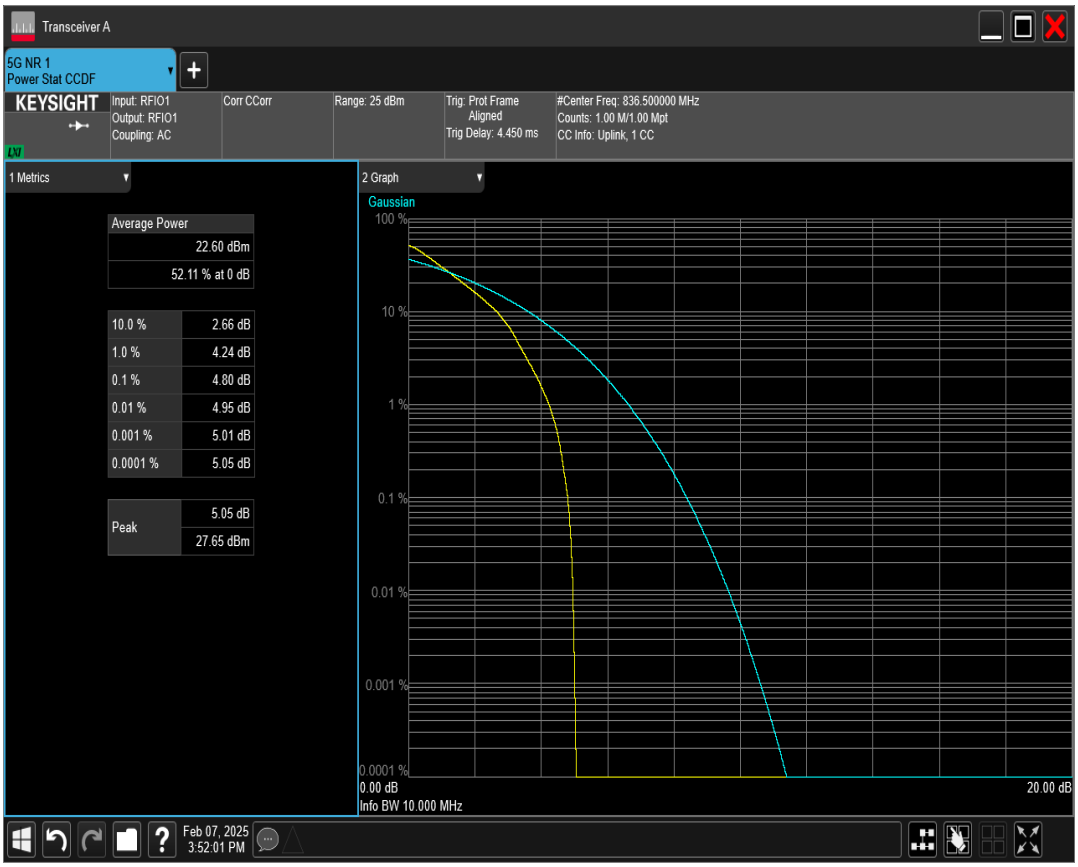
3 Peak-to-Average Ratio for NR FR1

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Result (dB)	high Limit (dB)	Verdict
n5	30	10	167300	24@0	DFT_BPSK	3.90	13	PASS
n5	30	10	167300	24@0	DFT_QPSK	4.80	13	PASS
n5	30	10	167300	24@0	DFT_QAM16	8.41	13	PASS
n5	30	10	167300	24@0	DFT_QAM64	6.00	13	PASS
n5	30	10	167300	24@0	DFT_QAM256	6.93	13	PASS
n5	30	15	167300	36@0	DFT_BPSK	3.95	13	PASS
n5	30	15	167300	36@0	DFT_QPSK	5.28	13	PASS
n5	30	15	167300	36@0	DFT_QAM16	8.45	13	PASS
n5	30	15	167300	36@0	DFT_QAM64	5.98	13	PASS
n5	30	15	167300	36@0	DFT_QAM256	6.89	13	PASS
n5	30	20	167300	50@0	DFT_BPSK	4.02	13	PASS
n5	30	20	167300	50@0	DFT_QPSK	5.08	13	PASS
n5	30	20	167300	50@0	DFT_QAM16	8.39	13	PASS
n5	30	20	167300	50@0	DFT_QAM64	6.18	13	PASS
n5	30	20	167300	50@0	DFT_QAM256	7.12	13	PASS

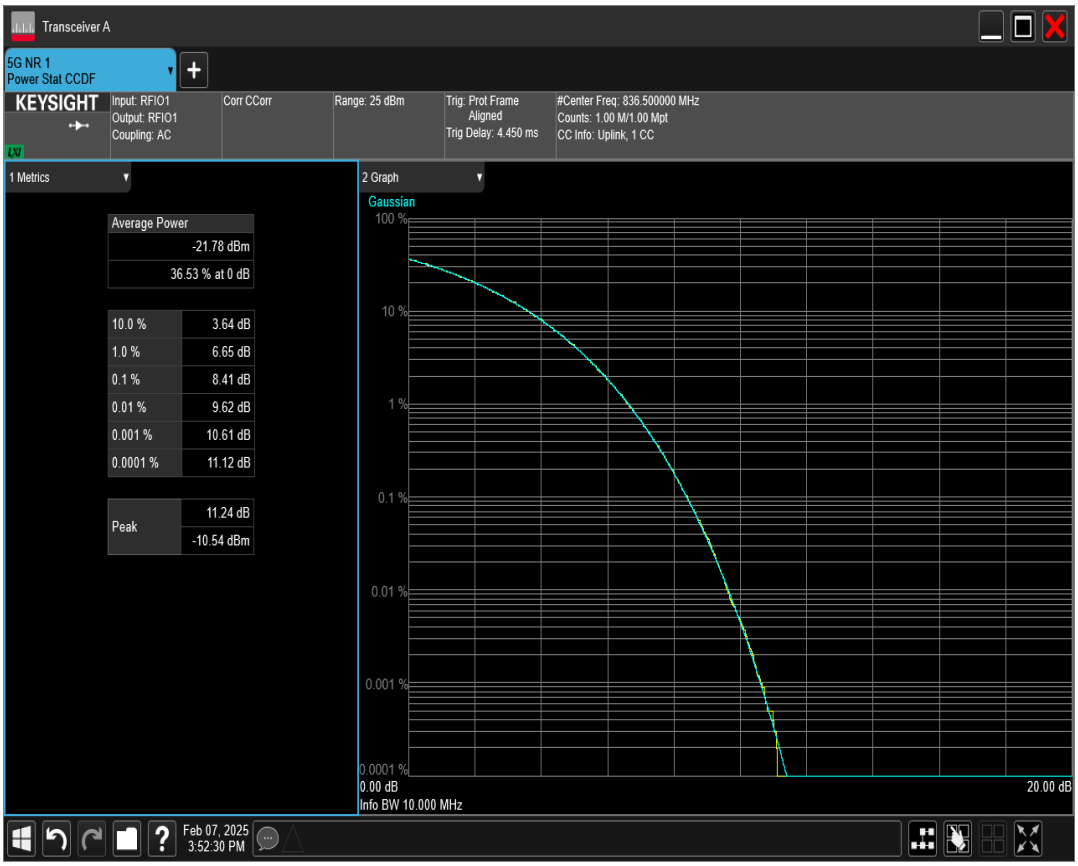
n5 SCS=30kHz DFT_BPSK BW=10MHz Channel=167300 RB=24@0



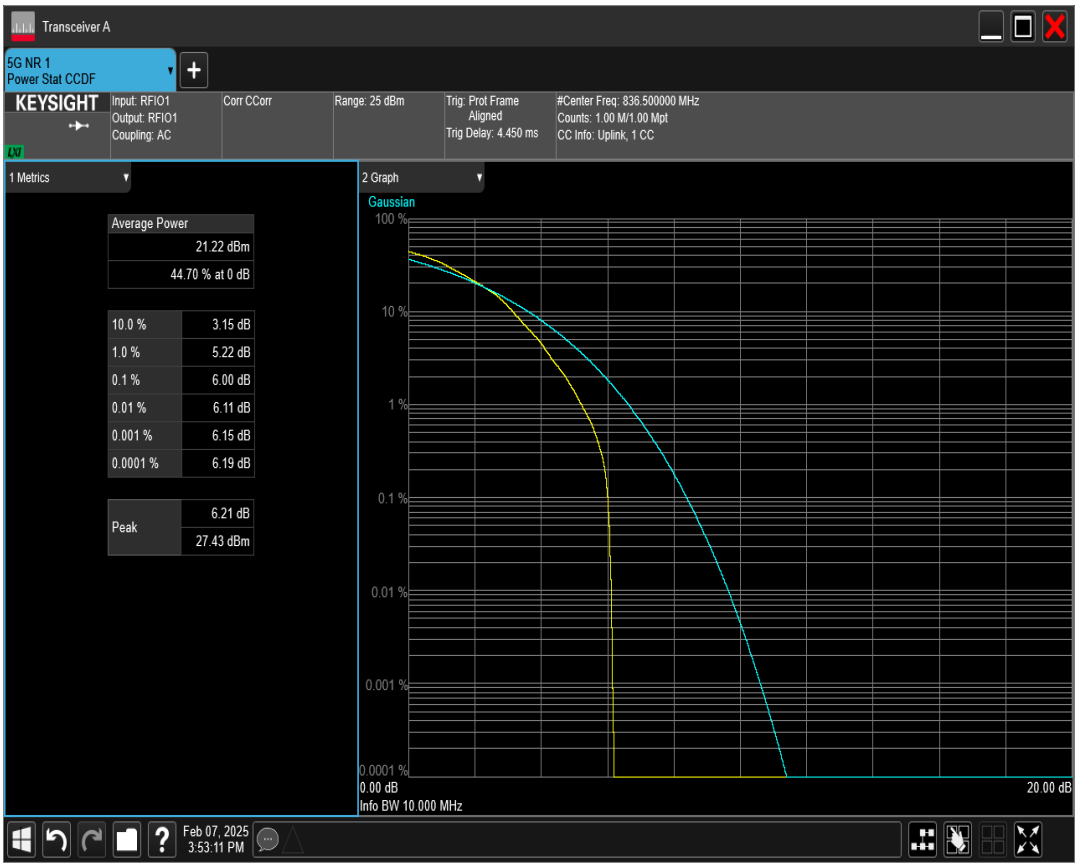
n5 SCS=30kHz DFT_QPSK BW=10MHz Channel=167300 RB=24@0



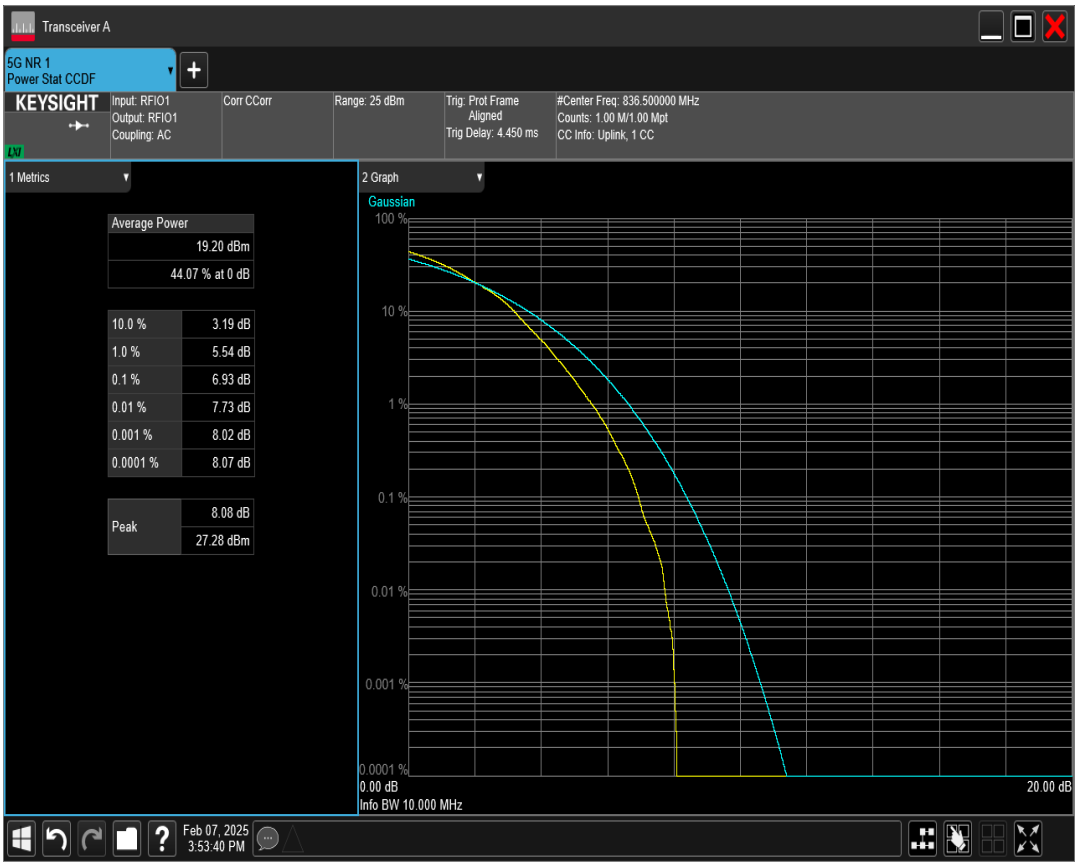
n5 SCS=30kHz DFT_QAM16 BW=10MHz Channel=167300 RB=24@0



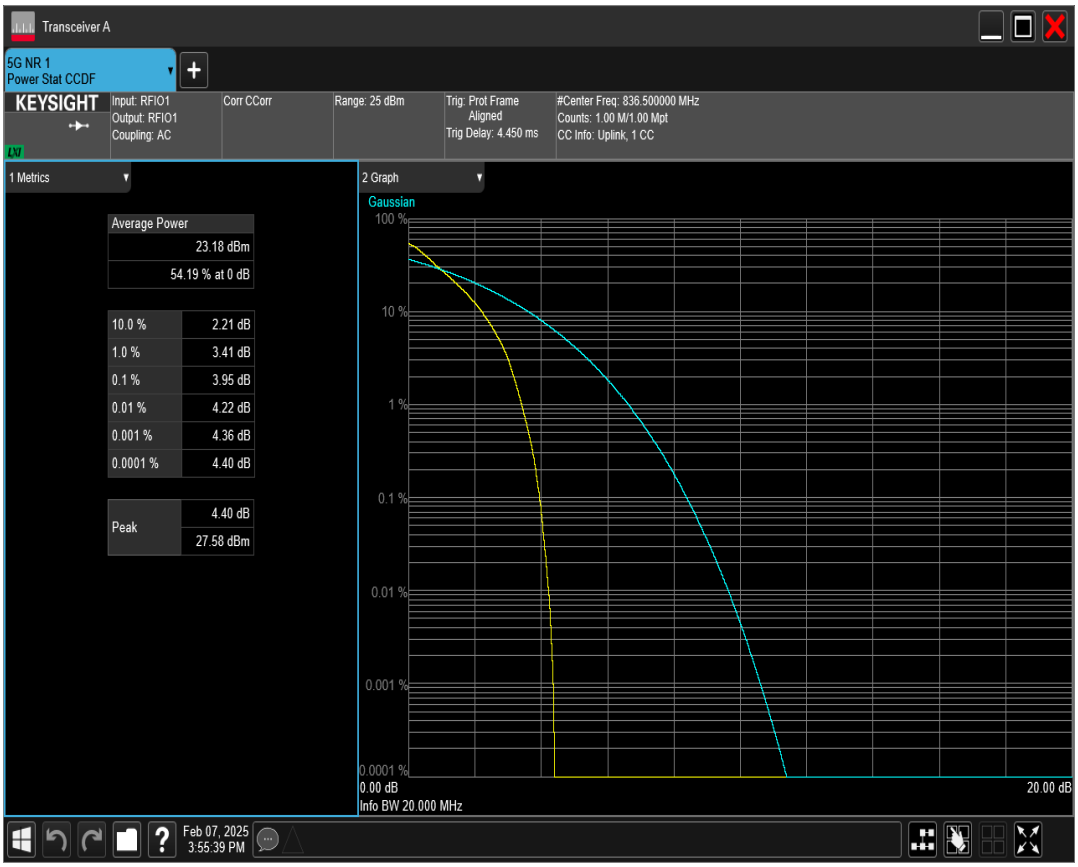
n5 SCS=30kHz DFT_QAM64 BW=10MHz Channel=167300 RB=24@0



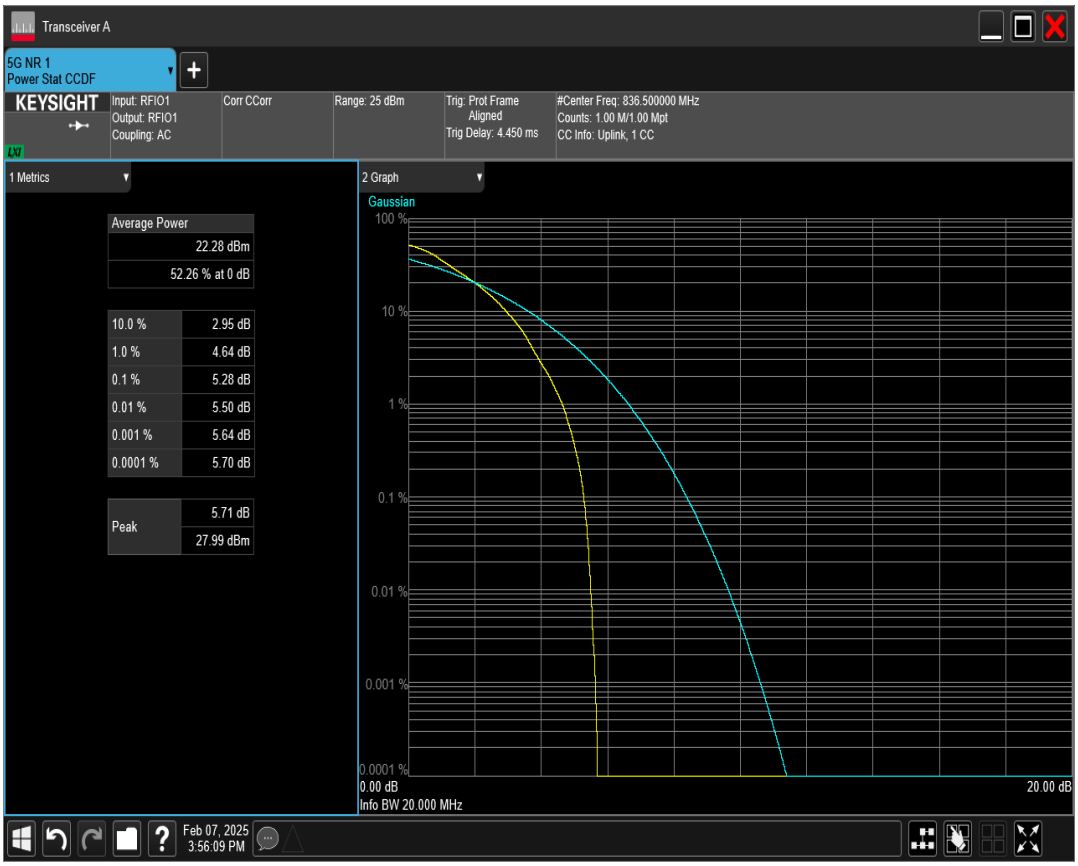
n5 SCS=30kHz DFT_QAM256 BW=10MHz Channel=167300 RB=24@0



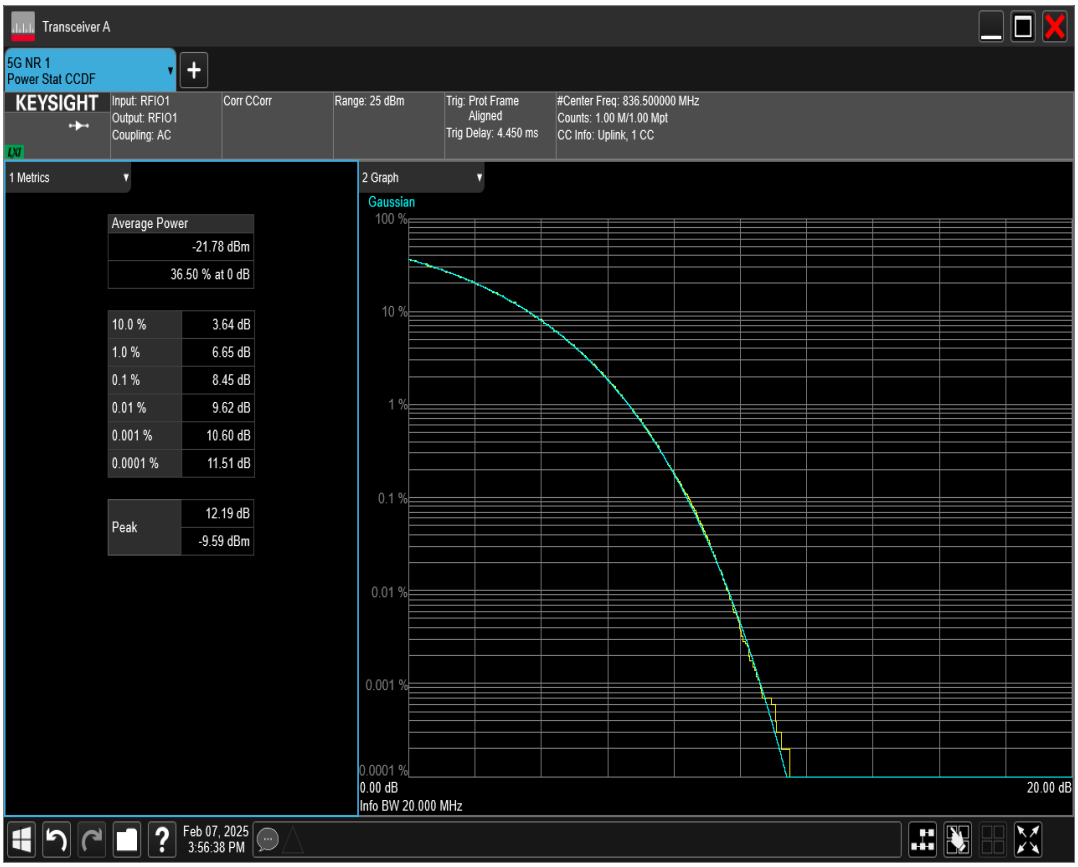
n5 SCS=30kHz DFT_BPSK BW=15MHz Channel=167300 RB=36@0



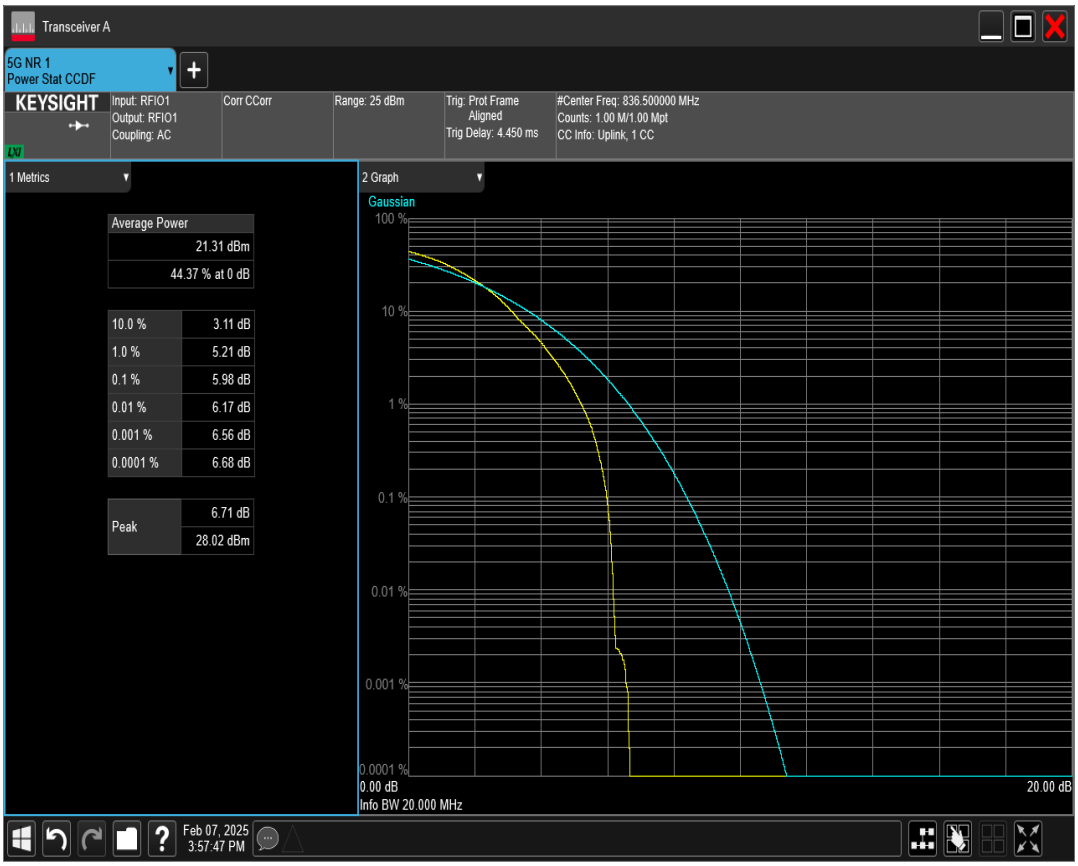
n5 SCS=30kHz DFT_QPSK BW=15MHz Channel=167300 RB=36@0



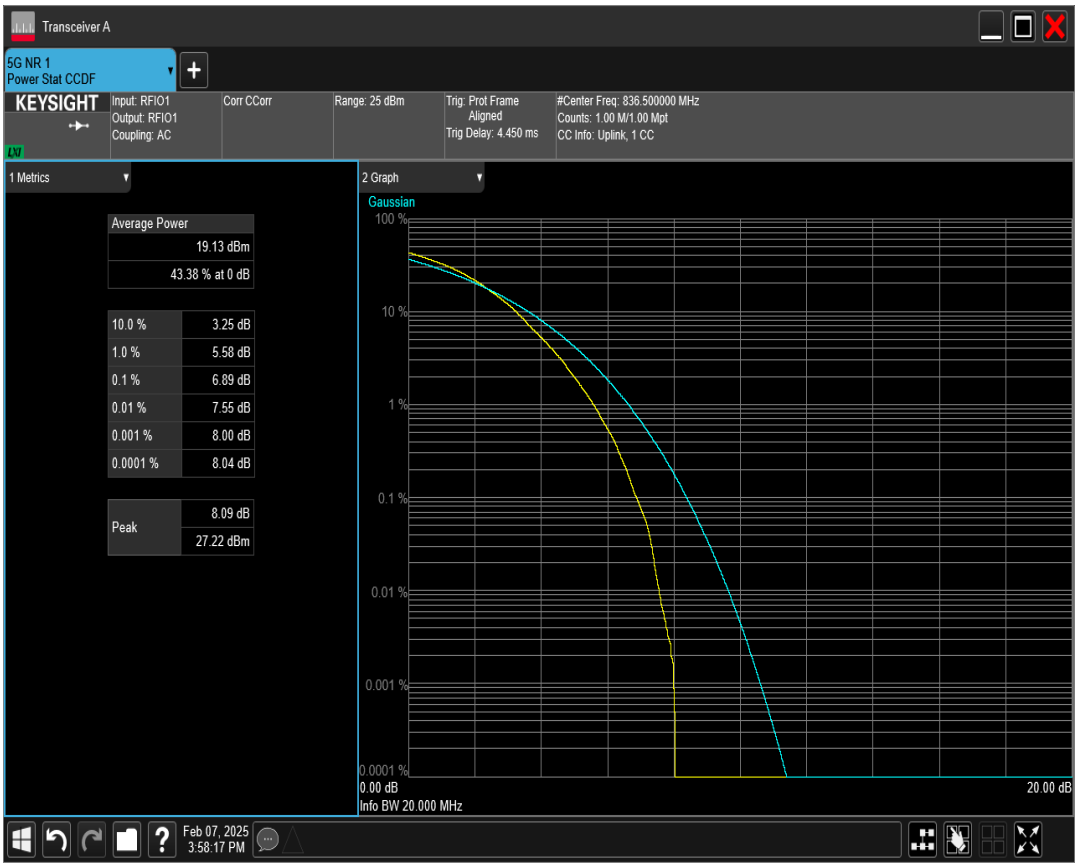
n5 SCS=30kHz DFT_QAM16 BW=15MHz Channel=167300 RB=36@0



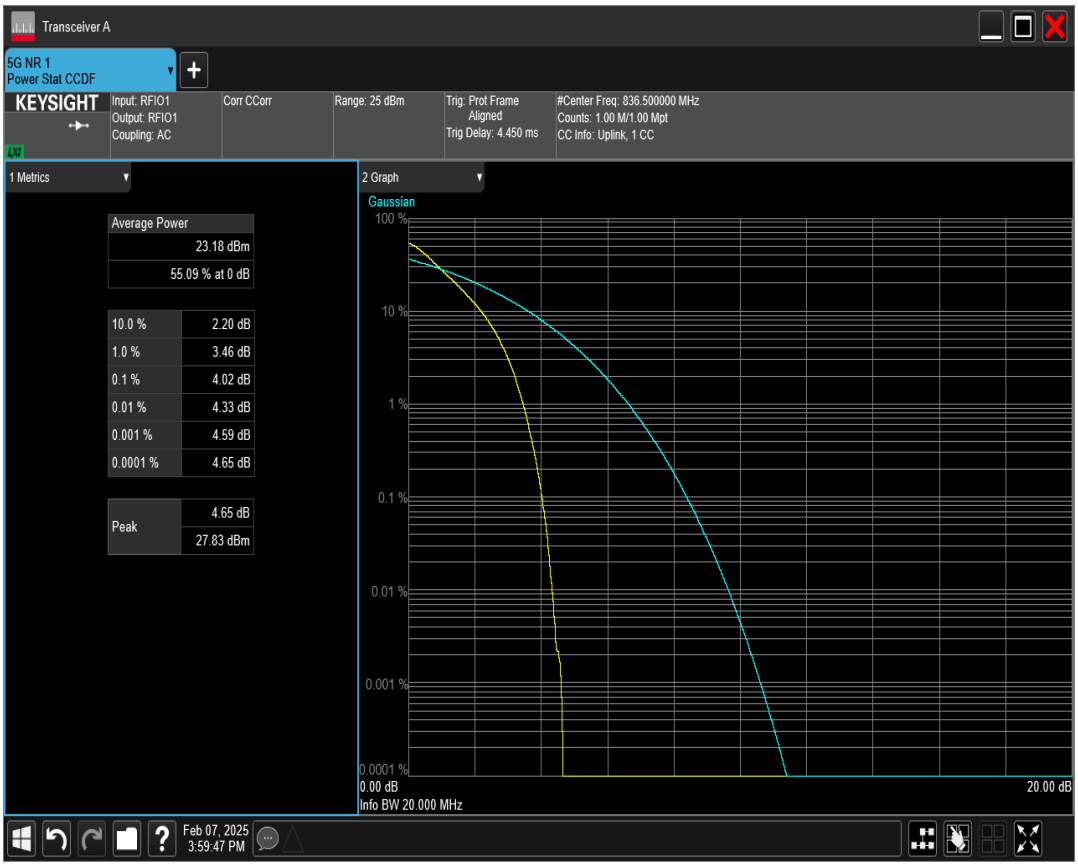
n5 SCS=30kHz DFT_QAM64 BW=15MHz Channel=167300 RB=36@0



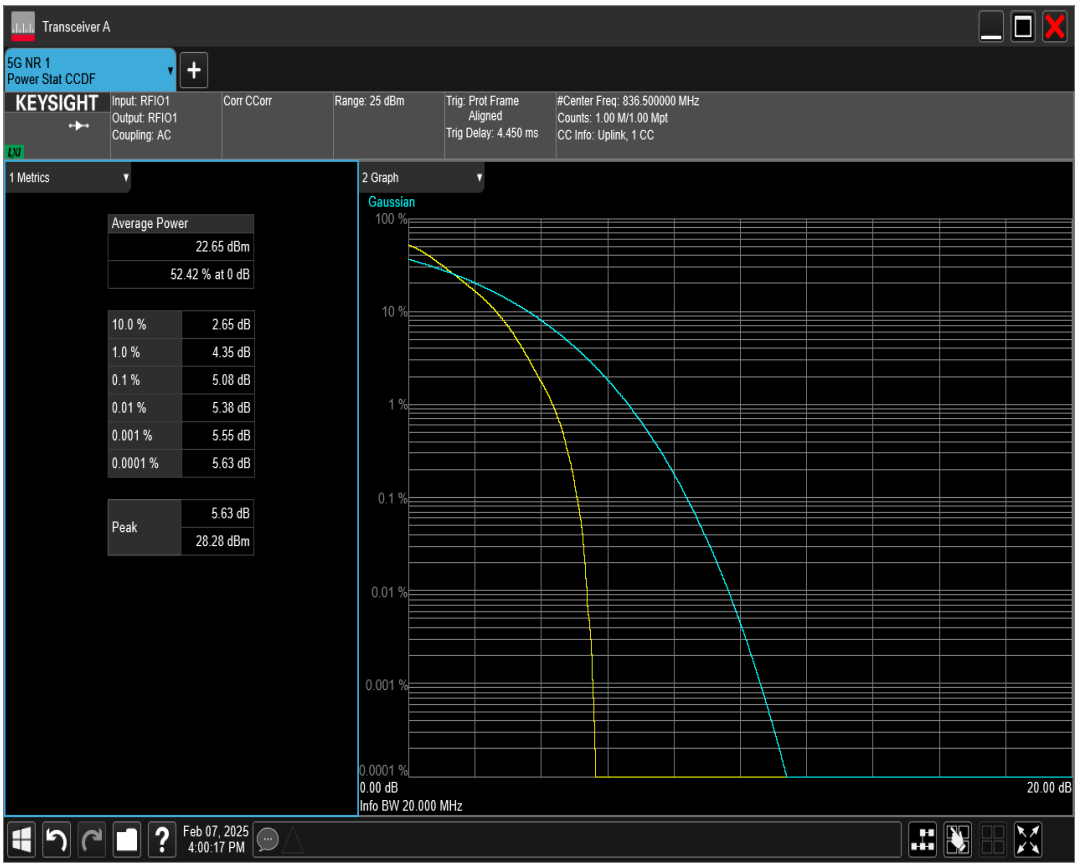
n5 SCS=30kHz DFT_QAM256 BW=15MHz Channel=167300 RB=36@0



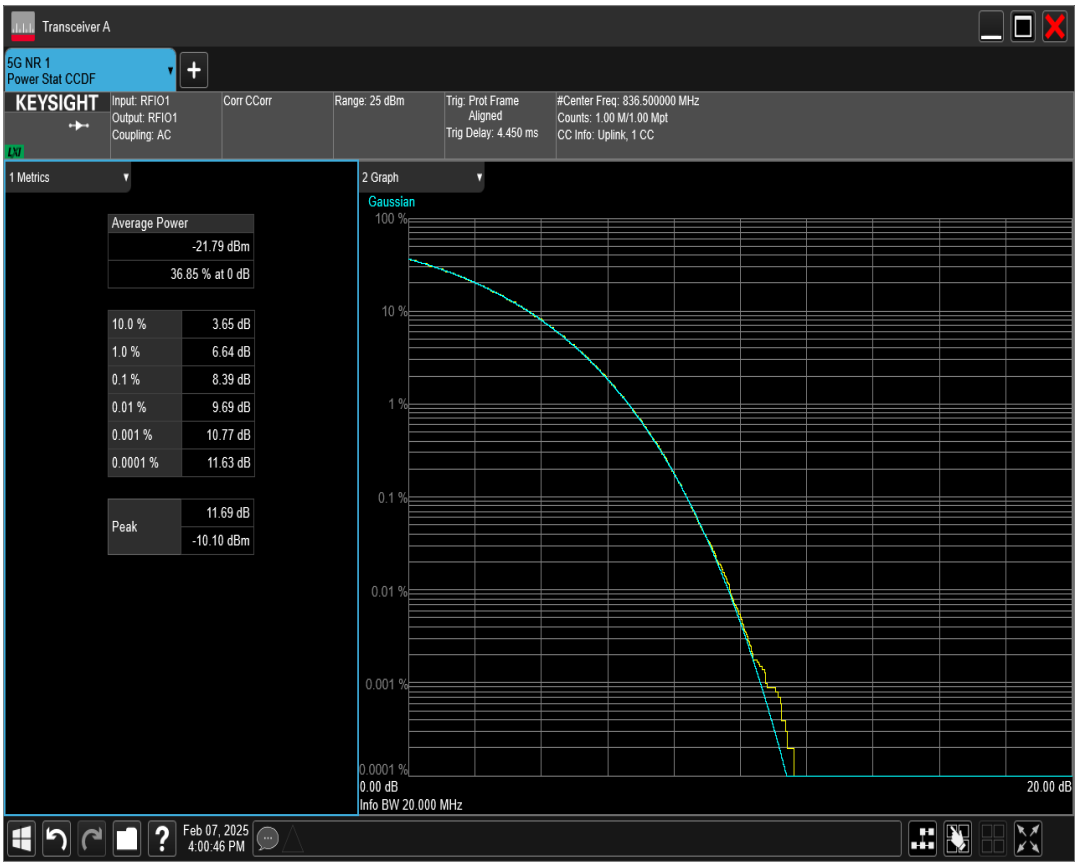
n5 SCS=30kHz DFT_BPSK BW=20MHz Channel=167300 RB=50@0



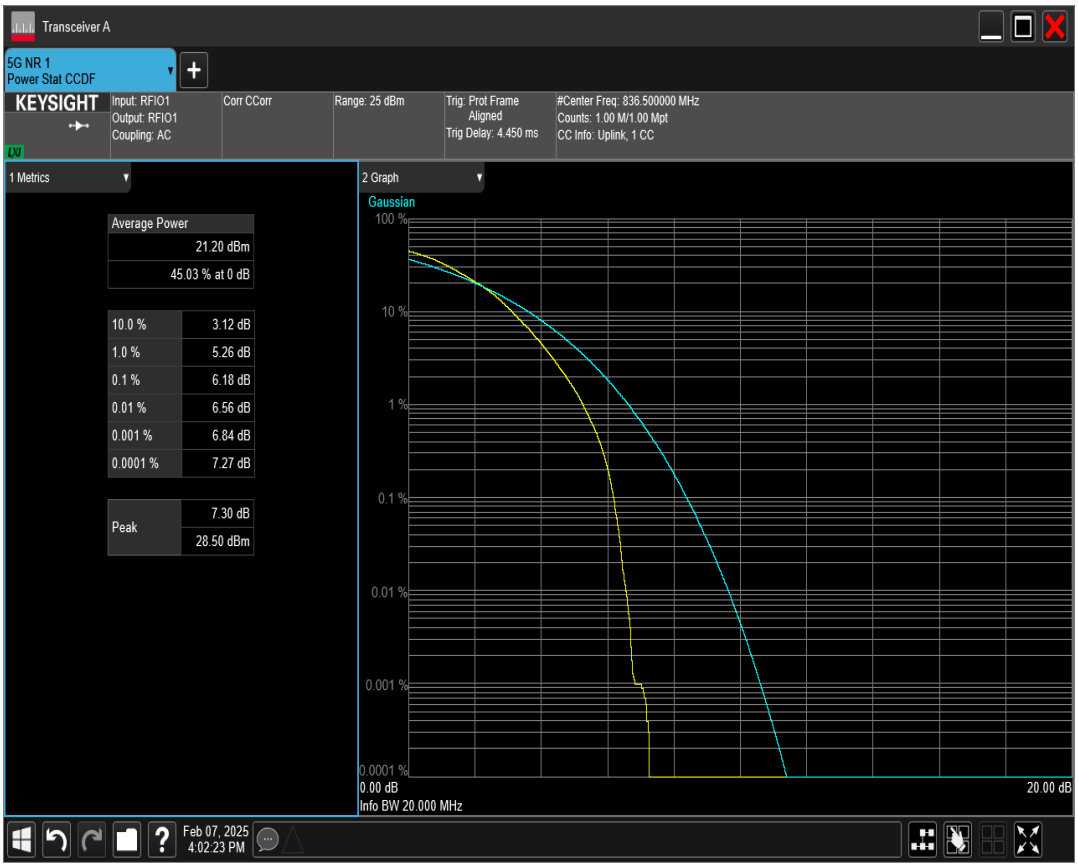
n5 SCS=30kHz DFT_QPSK BW=20MHz Channel=167300 RB=50@0



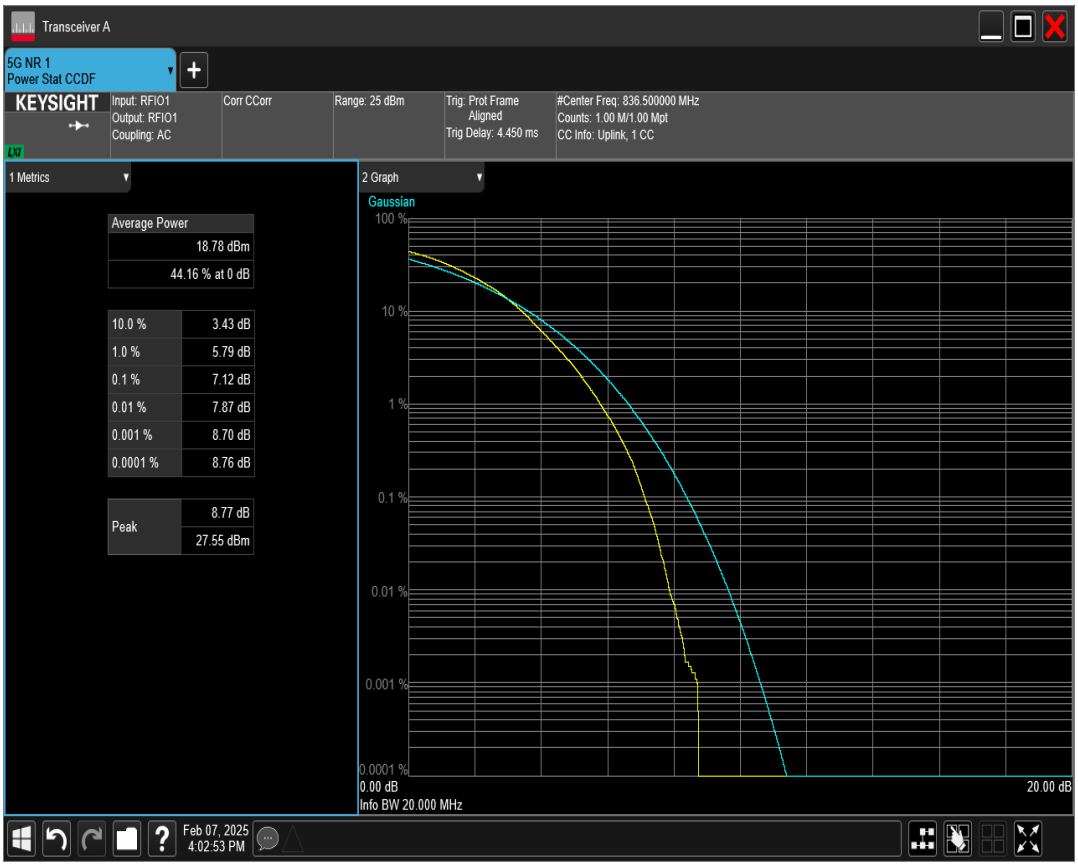
n5 SCS=30kHz DFT_QAM16 BW=20MHz Channel=167300 RB=50@0



n5 SCS=30kHz DFT_QAM64 BW=20MHz Channel=167300 RB=50@0



n5 SCS=30kHz DFT_QAM256 BW=20MHz Channel=167300 RB=50@0

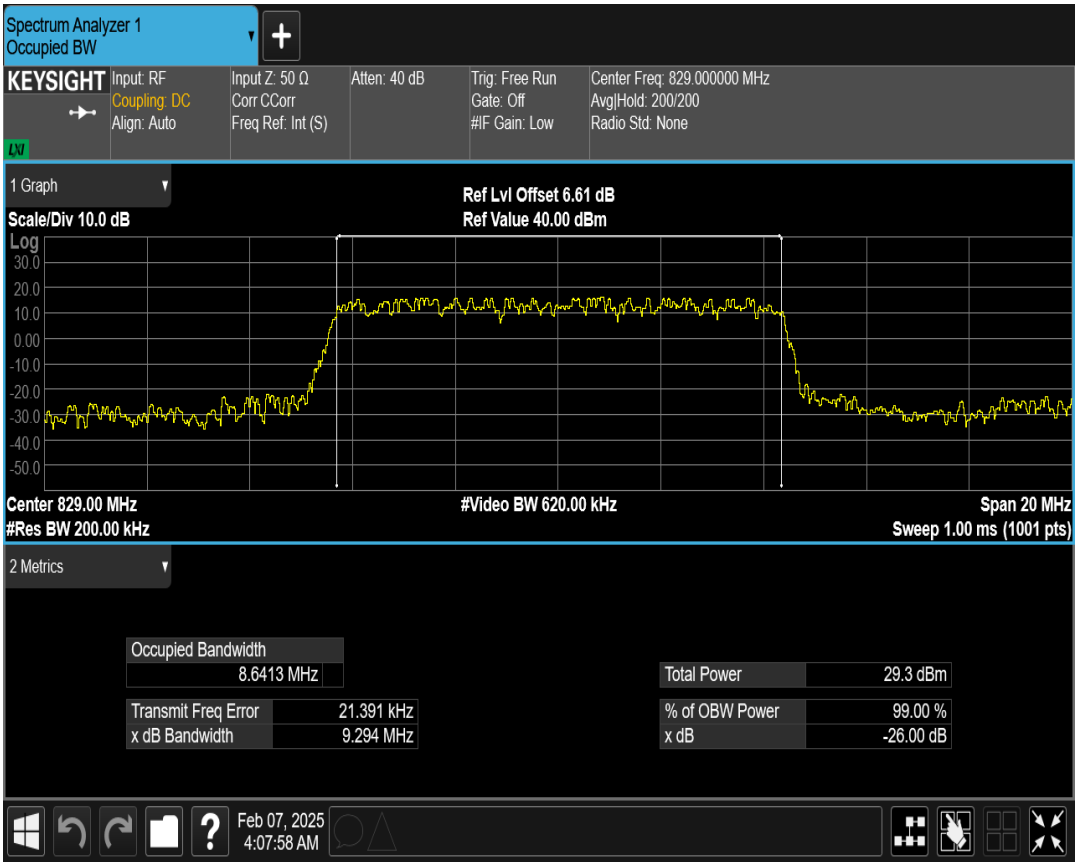


4 Occupied bandwidth for NR FR1

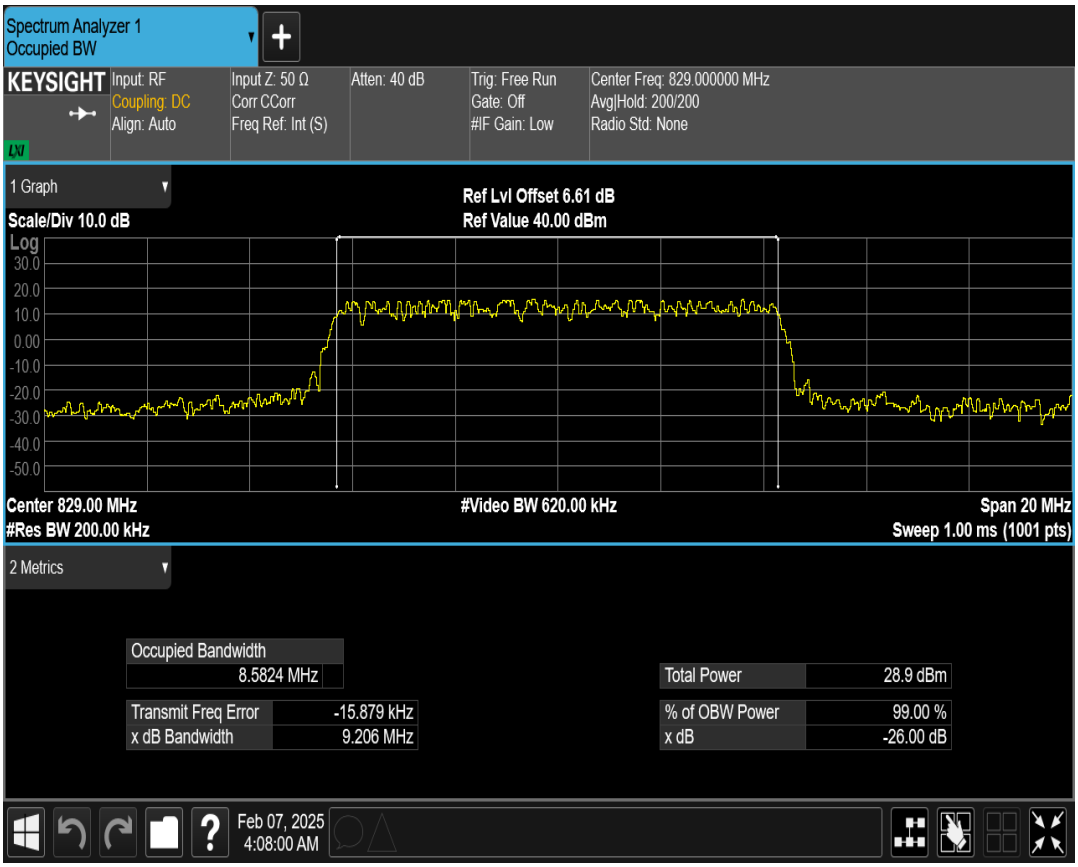
Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
n5	30	10	165800	24@0	DFT_BPSK	8.641	9.294	PASS
n5	30	10	165800	24@0	DFT_QPSK	8.582	9.206	PASS
n5	30	10	165800	24@0	DFT_QAM16	8.562	9.082	PASS
n5	30	10	165800	24@0	DFT_QAM64	8.609	9.109	PASS
n5	30	10	165800	24@0	DFT_QAM256	8.510	9.133	PASS
n5	30	10	165800	24@0	CP_QPSK	8.613	9.242	PASS
n5	30	10	167300	24@0	DFT_BPSK	8.602	9.392	PASS
n5	30	10	167300	24@0	DFT_QPSK	8.567	9.296	PASS
n5	30	10	167300	24@0	DFT_QAM16	8.574	9.116	PASS
n5	30	10	167300	24@0	DFT_QAM64	8.585	9.217	PASS
n5	30	10	167300	24@0	DFT_QAM256	8.535	9.287	PASS
n5	30	10	167300	24@0	CP_QPSK	8.625	9.233	PASS
n5	30	10	168800	24@0	DFT_BPSK	8.606	9.188	PASS
n5	30	10	168800	24@0	DFT_QPSK	8.543	9.220	PASS
n5	30	10	168800	24@0	DFT_QAM16	8.636	9.199	PASS
n5	30	10	168800	24@0	DFT_QAM64	8.621	9.216	PASS
n5	30	10	168800	24@0	DFT_QAM256	8.580	9.317	PASS
n5	30	10	168800	24@0	CP_QPSK	8.600	9.171	PASS
n5	30	15	166300	36@0	DFT_BPSK	12.977	13.609	PASS
n5	30	15	166300	36@0	DFT_QPSK	12.911	13.782	PASS
n5	30	15	166300	36@0	DFT_QAM16	12.919	13.811	PASS
n5	30	15	166300	36@0	DFT_QAM64	12.980	13.630	PASS
n5	30	15	166300	36@0	DFT_QAM256	12.927	13.710	PASS
n5	30	15	166300	38@0	CP_QPSK	13.577	14.390	PASS
n5	30	15	167300	36@0	DFT_BPSK	12.880	13.701	PASS
n5	30	15	167300	36@0	DFT_QPSK	12.835	13.733	PASS
n5	30	15	167300	36@0	DFT_QAM16	12.865	13.645	PASS
n5	30	15	167300	36@0	DFT_QAM64	12.898	13.771	PASS
n5	30	15	167300	36@0	DFT_QAM256	12.900	13.690	PASS
n5	30	15	167300	38@0	CP_QPSK	13.499	14.475	PASS
n5	30	15	168300	36@0	DFT_BPSK	12.967	13.690	PASS
n5	30	15	168300	36@0	DFT_QPSK	12.971	13.762	PASS
n5	30	15	168300	36@0	DFT_QAM16	12.970	13.641	PASS
n5	30	15	168300	36@0	DFT_QAM64	13.011	13.646	PASS
n5	30	15	168300	36@0	DFT_QAM256	12.898	13.702	PASS
n5	30	15	168300	38@0	CP_QPSK	13.570	14.386	PASS
n5	30	20	166800	50@0	DFT_BPSK	17.919	19.005	PASS
n5	30	20	166800	50@0	DFT_QPSK	17.894	18.925	PASS
n5	30	20	166800	50@0	DFT_QAM16	17.823	18.892	PASS

n5	30	20	166800	50@0	DFT_QAM64	17.919	18.870	PASS
n5	30	20	166800	50@0	DFT_QAM256	17.985	18.838	PASS
n5	30	20	166800	51@0	CP_QPSK	18.183	19.233	PASS
n5	30	20	167300	50@0	DFT_BPSK	17.943	19.013	PASS
n5	30	20	167300	50@0	DFT_QPSK	17.943	18.878	PASS
n5	30	20	167300	50@0	DFT_QAM16	18.014	18.898	PASS
n5	30	20	167300	50@0	DFT_QAM64	17.982	18.881	PASS
n5	30	20	167300	50@0	DFT_QAM256	17.914	18.923	PASS
n5	30	20	167300	51@0	CP_QPSK	18.262	19.383	PASS
n5	30	20	167800	50@0	DFT_BPSK	17.951	18.934	PASS
n5	30	20	167800	50@0	DFT_QPSK	17.881	18.879	PASS
n5	30	20	167800	50@0	DFT_QAM16	18.039	18.842	PASS
n5	30	20	167800	50@0	DFT_QAM64	17.944	18.994	PASS
n5	30	20	167800	50@0	DFT_QAM256	18.002	18.909	PASS
n5	30	20	167800	51@0	CP_QPSK	18.321	19.334	PASS

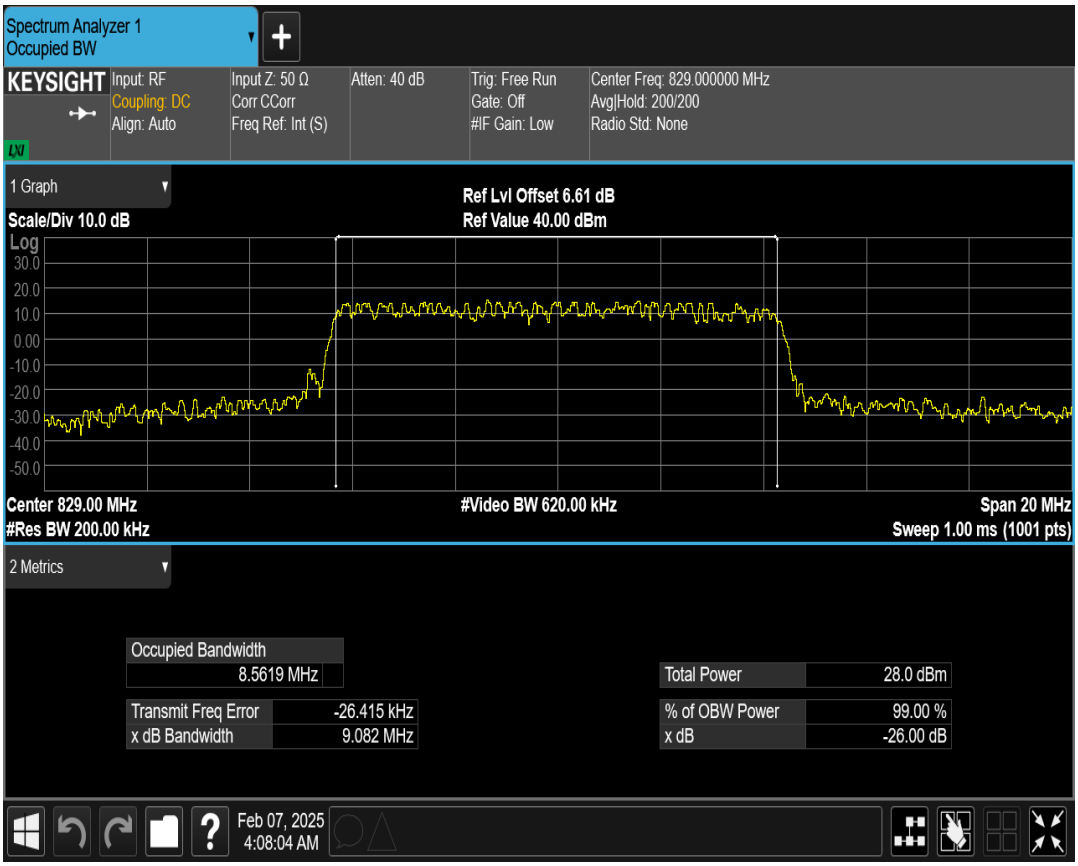
n5 SCS=30kHz DFT_BPSK BW=10MHz Channel=165800 RB=24@0



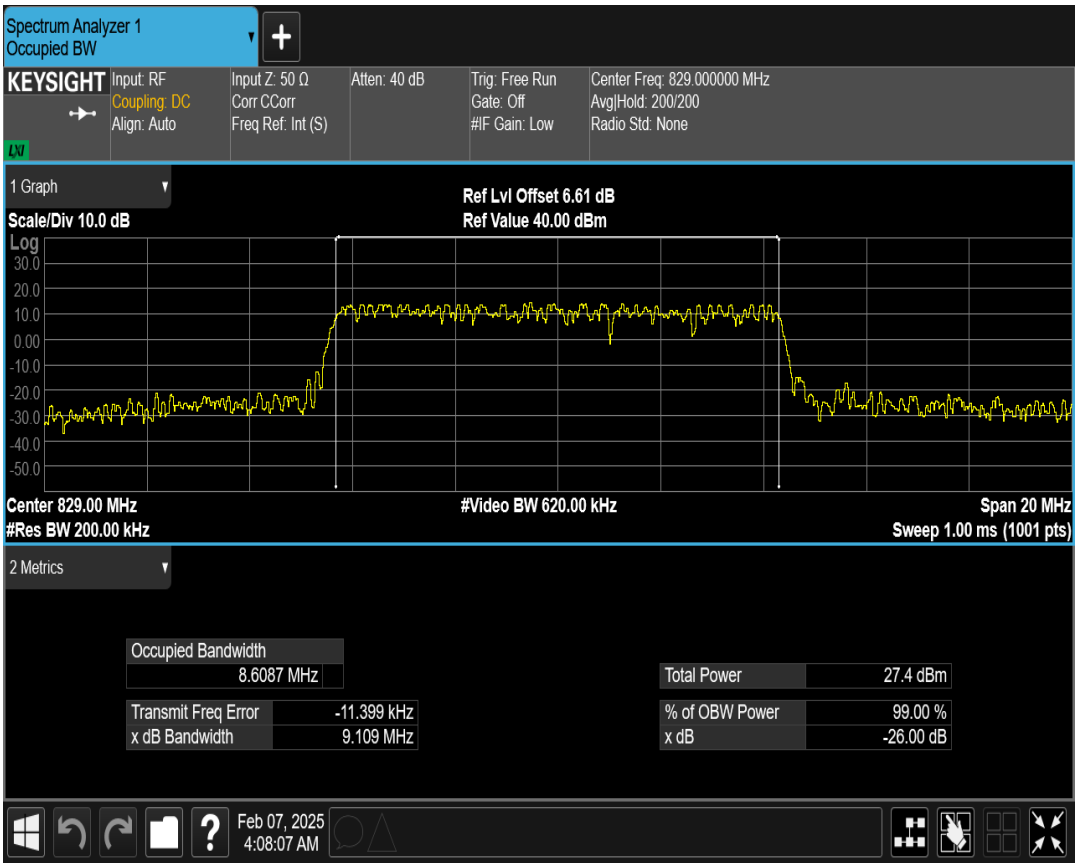
n5 SCS=30kHz DFT_QPSK BW=10MHz Channel=165800 RB=24@0



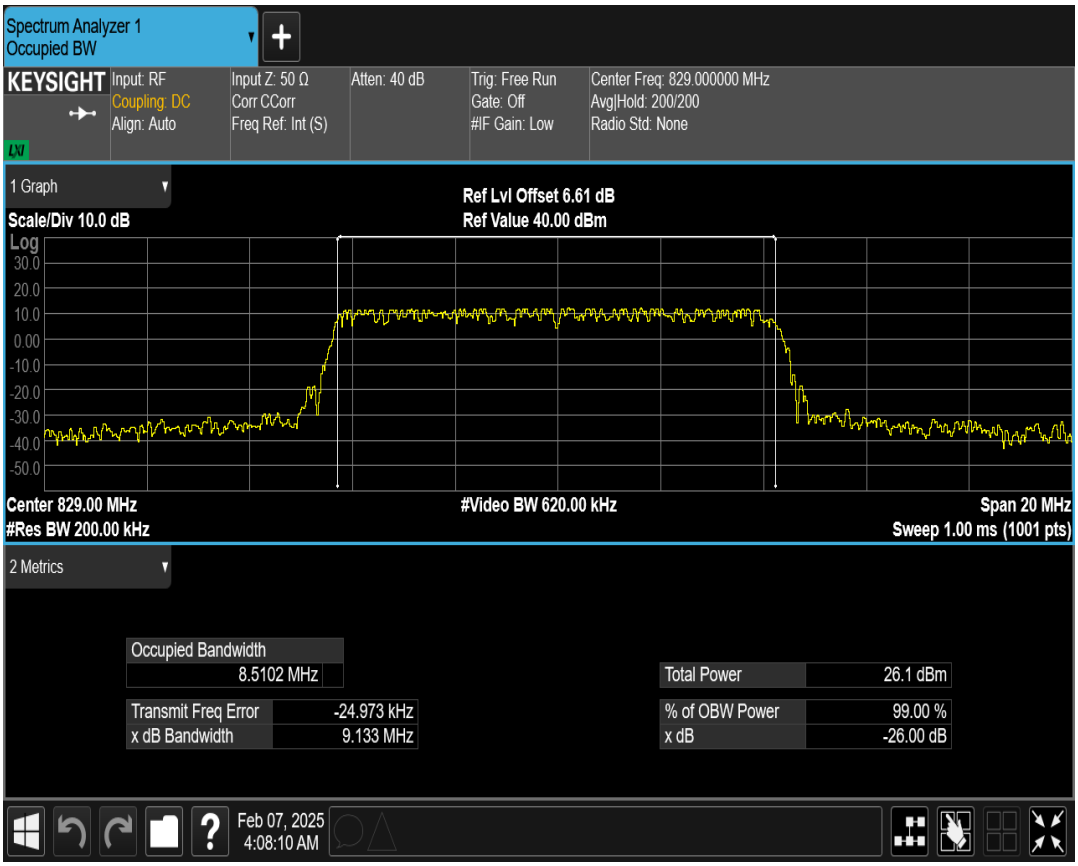
n5 SCS=30kHz DFT_QAM16 BW=10MHz Channel=165800 RB=24@0



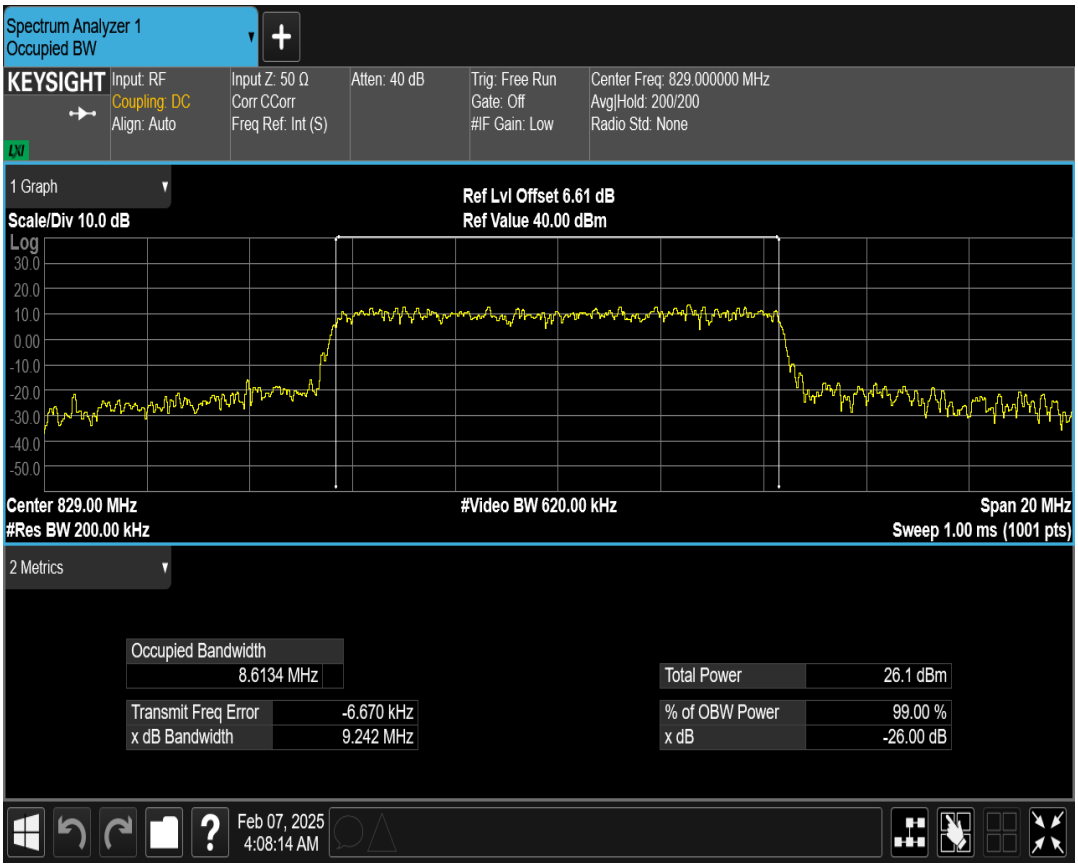
n5 SCS=30kHz DFT_QAM64 BW=10MHz Channel=165800 RB=24@0



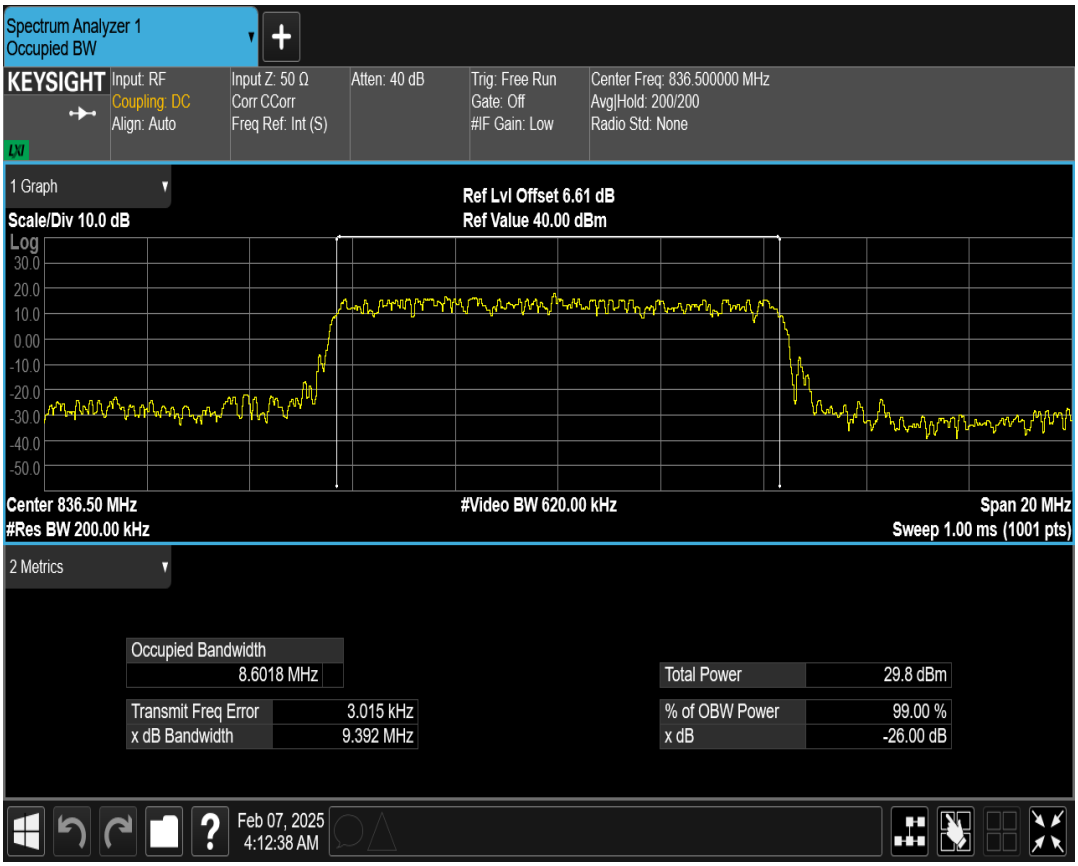
n5 SCS=30kHz DFT_QAM256 BW=10MHz Channel=165800 RB=24@0



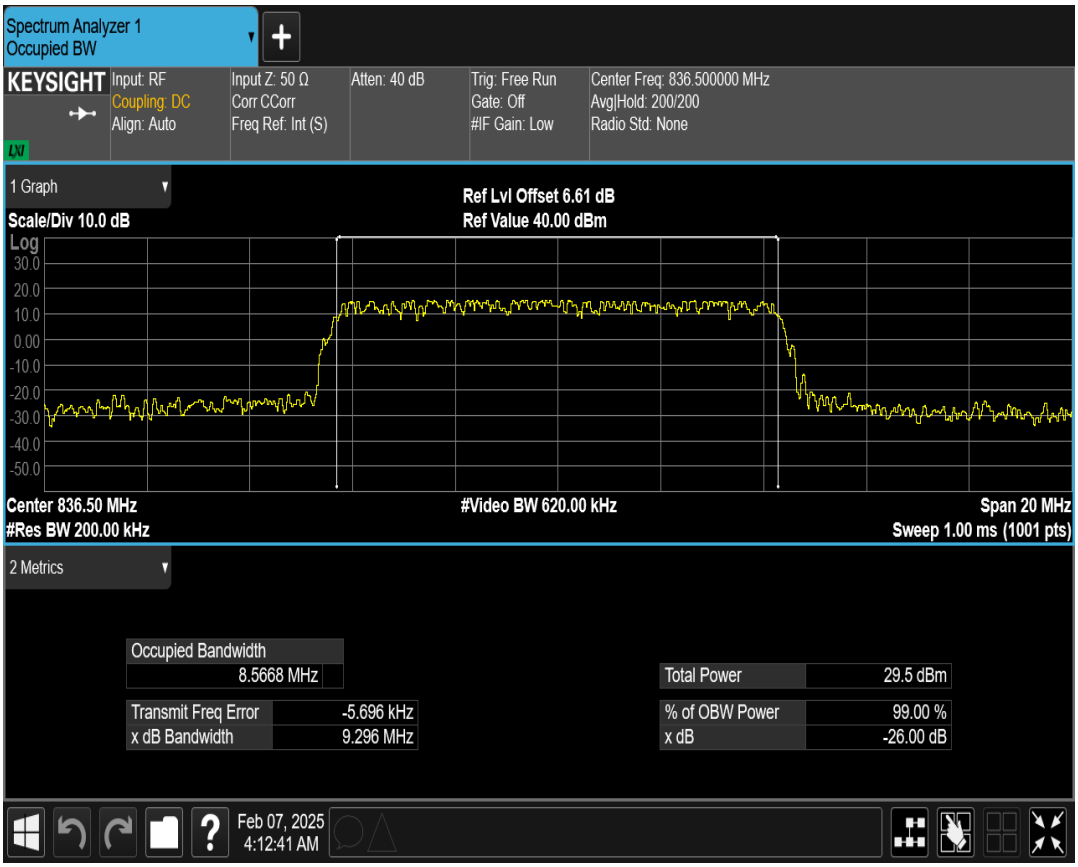
n5 SCS=30kHz CP_QPSK BW=10MHz Channel=165800 RB=24@0



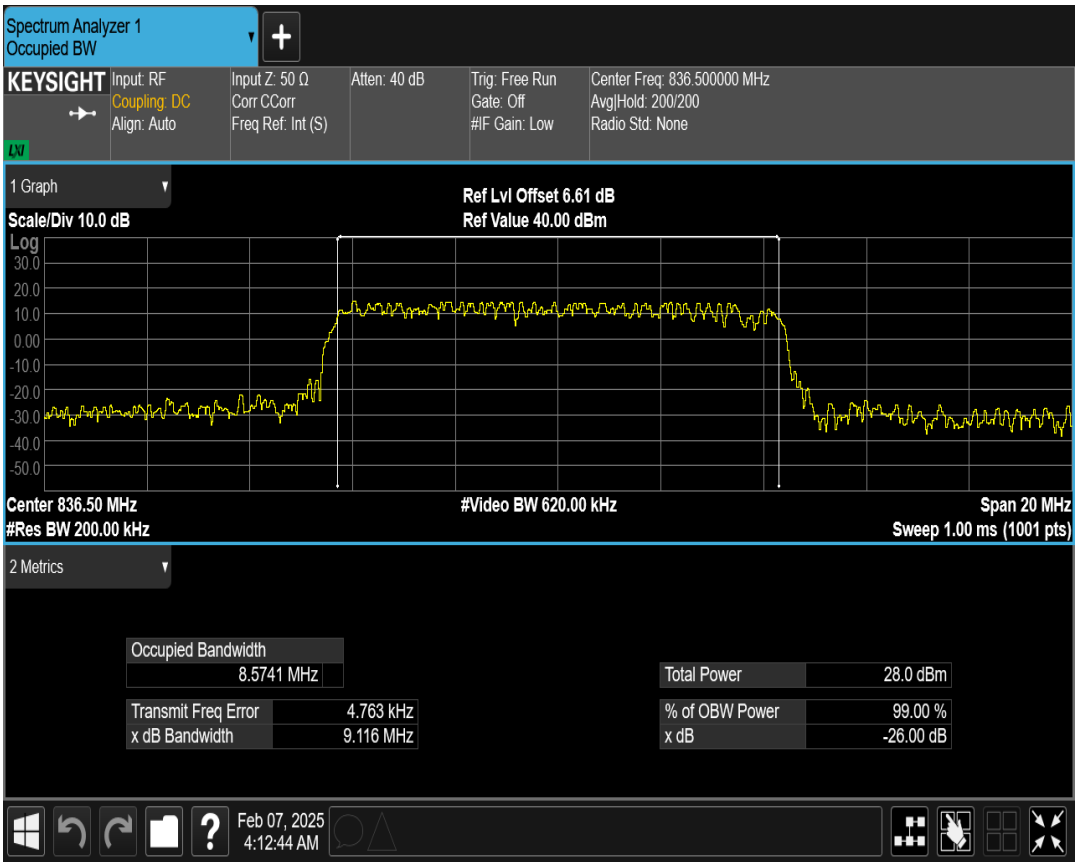
n5 SCS=30kHz DFT_BPSK BW=10MHz Channel=167300 RB=24@0



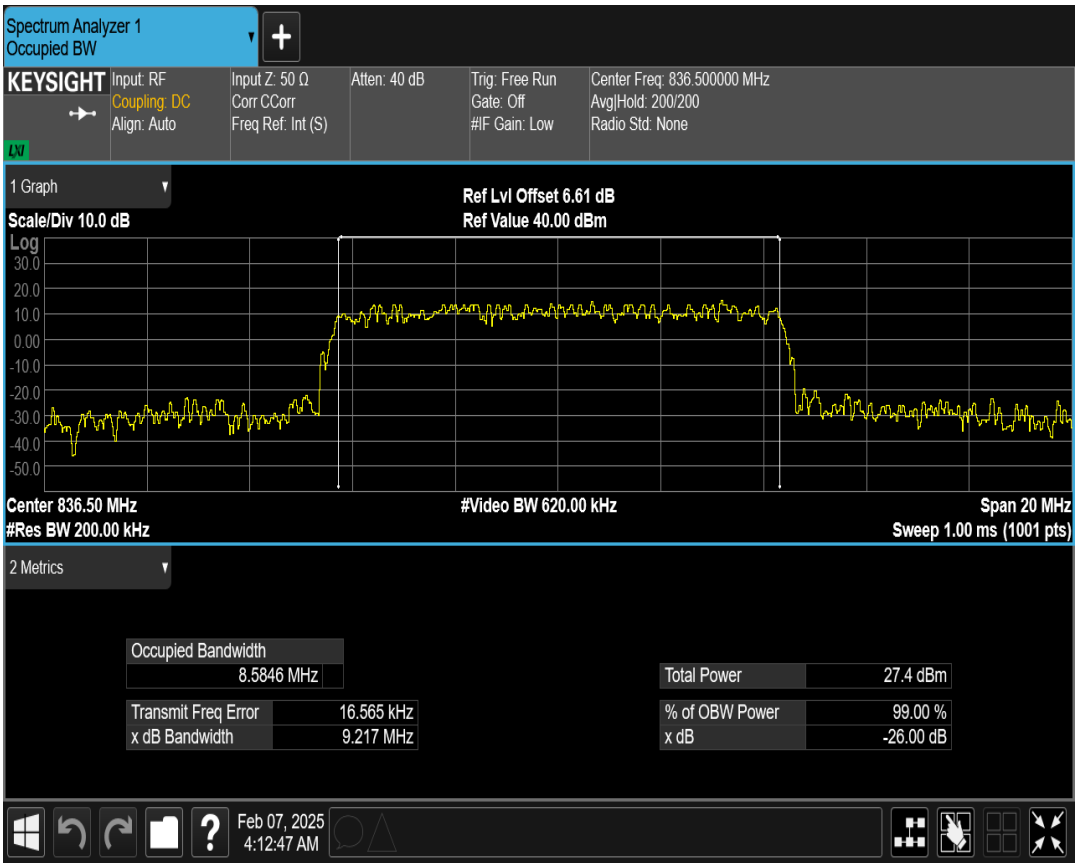
n5 SCS=30kHz DFT_QPSK BW=10MHz Channel=167300 RB=24@0



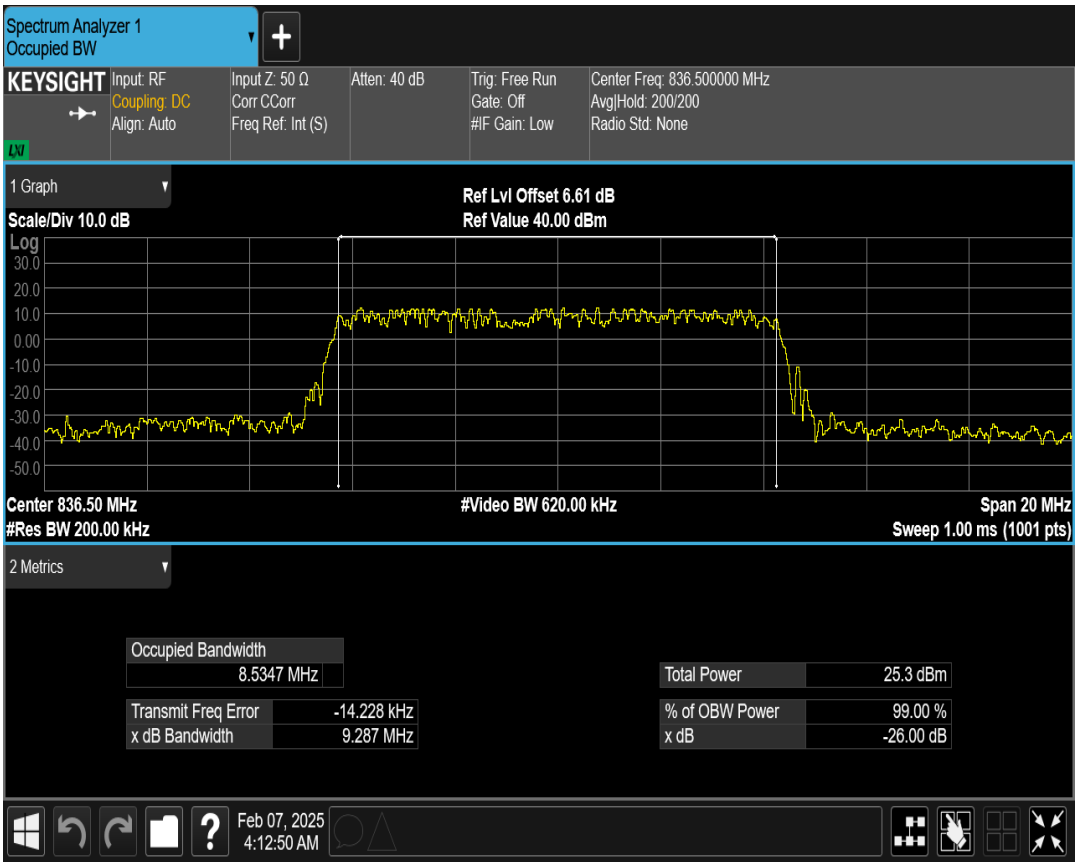
n5 SCS=30kHz DFT_QAM16 BW=10MHz Channel=167300 RB=24@0



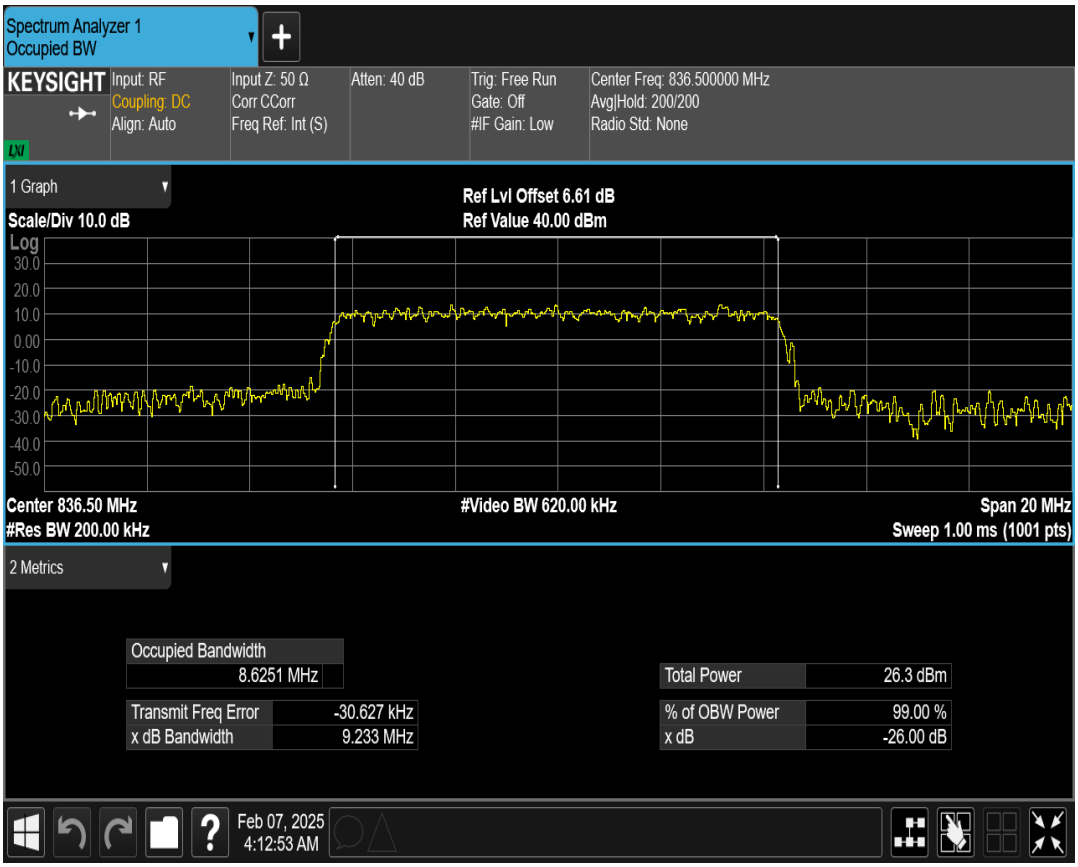
n5 SCS=30kHz DFT_QAM64 BW=10MHz Channel=167300 RB=24@0



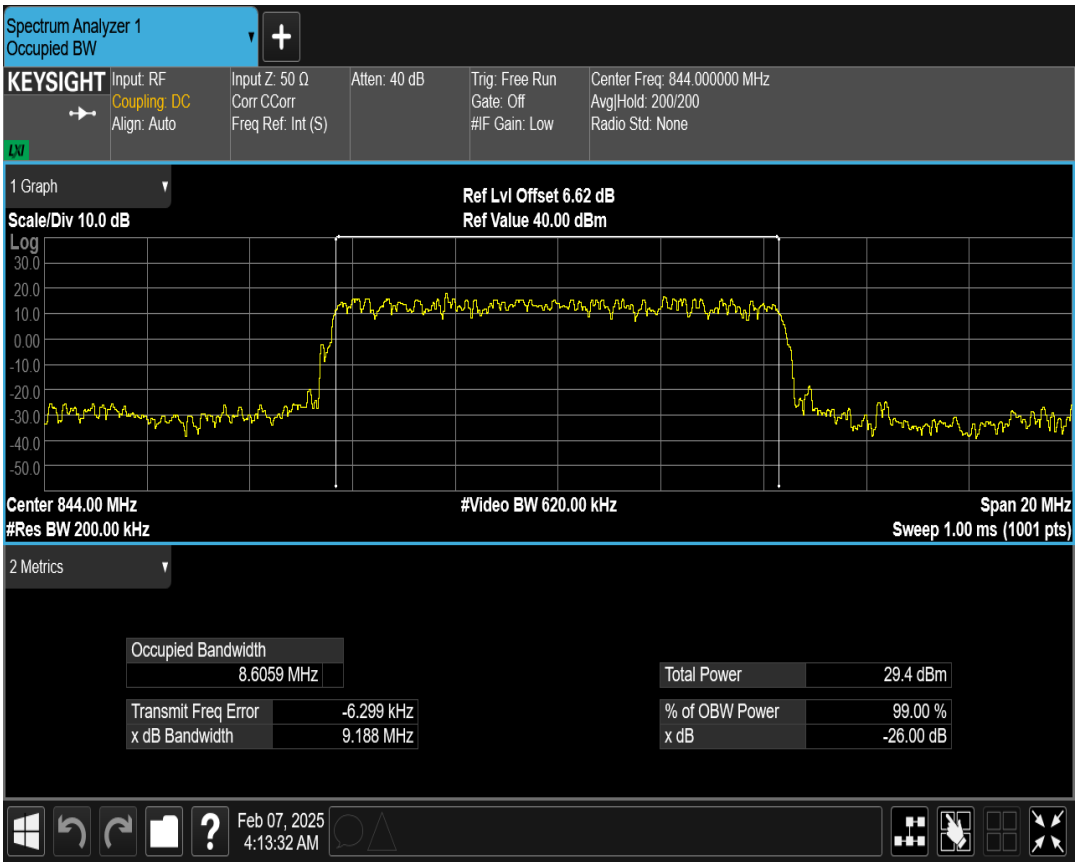
n5 SCS=30kHz DFT_QAM256 BW=10MHz Channel=167300 RB=24@0



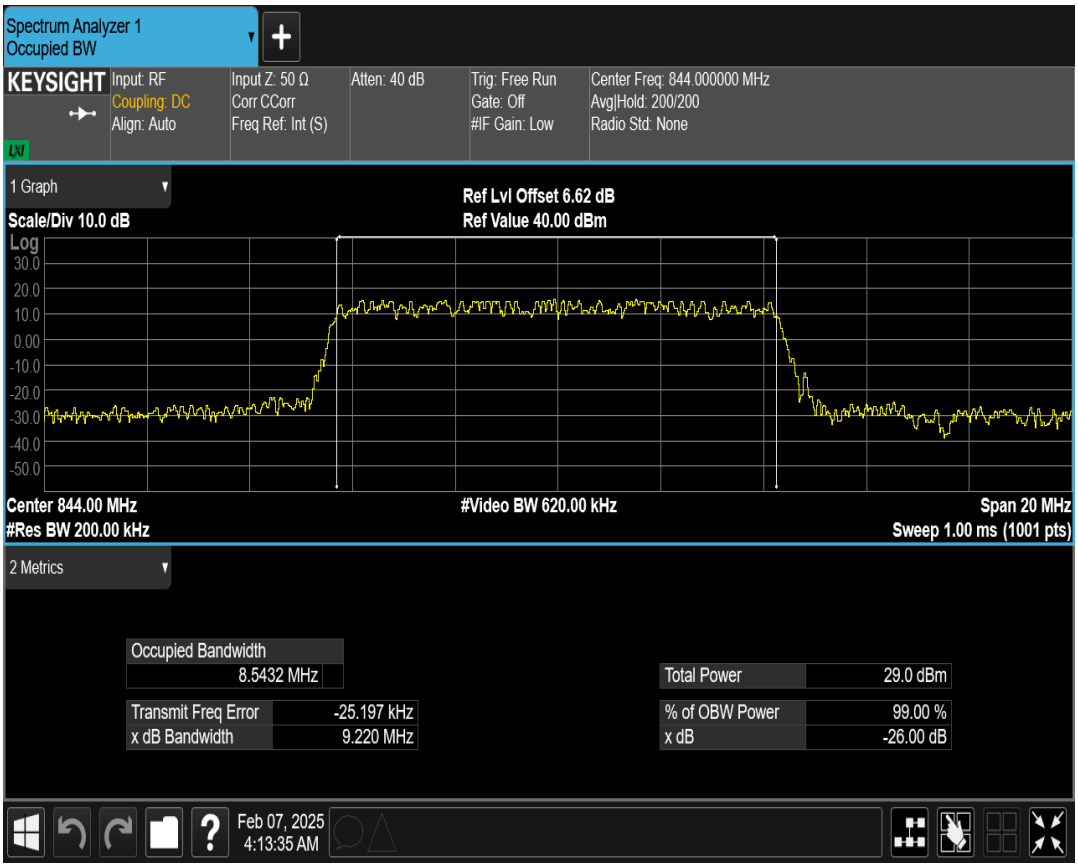
n5 SCS=30kHz CP_QPSK BW=10MHz Channel=167300 RB=24@0



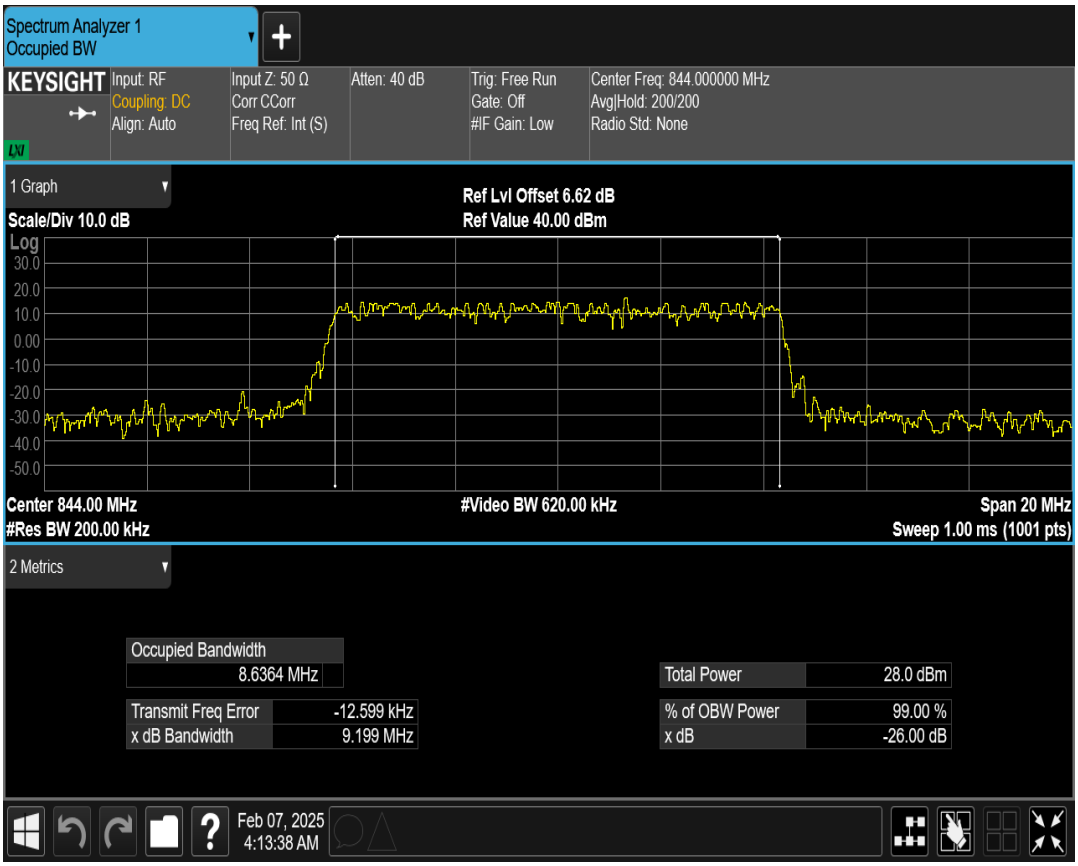
n5 SCS=30kHz DFT_BPSK BW=10MHz Channel=168800 RB=24@0



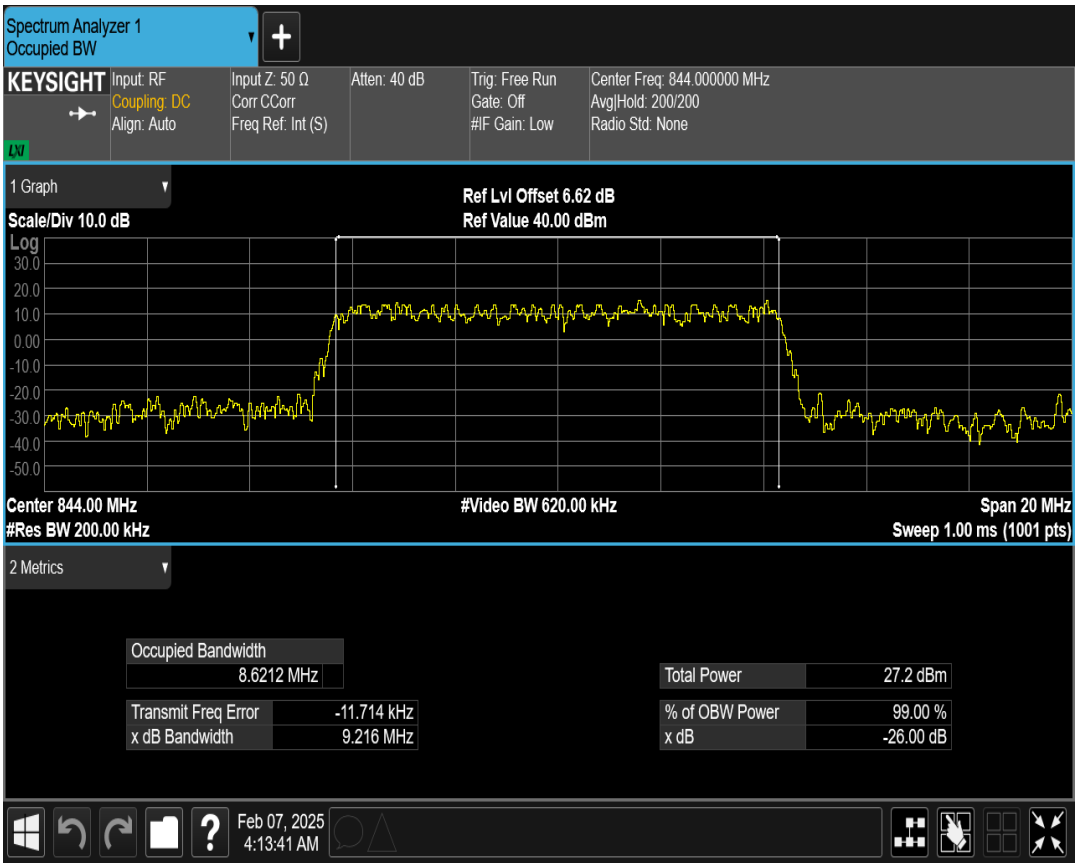
n5 SCS=30kHz DFT_QPSK BW=10MHz Channel=168800 RB=24@0



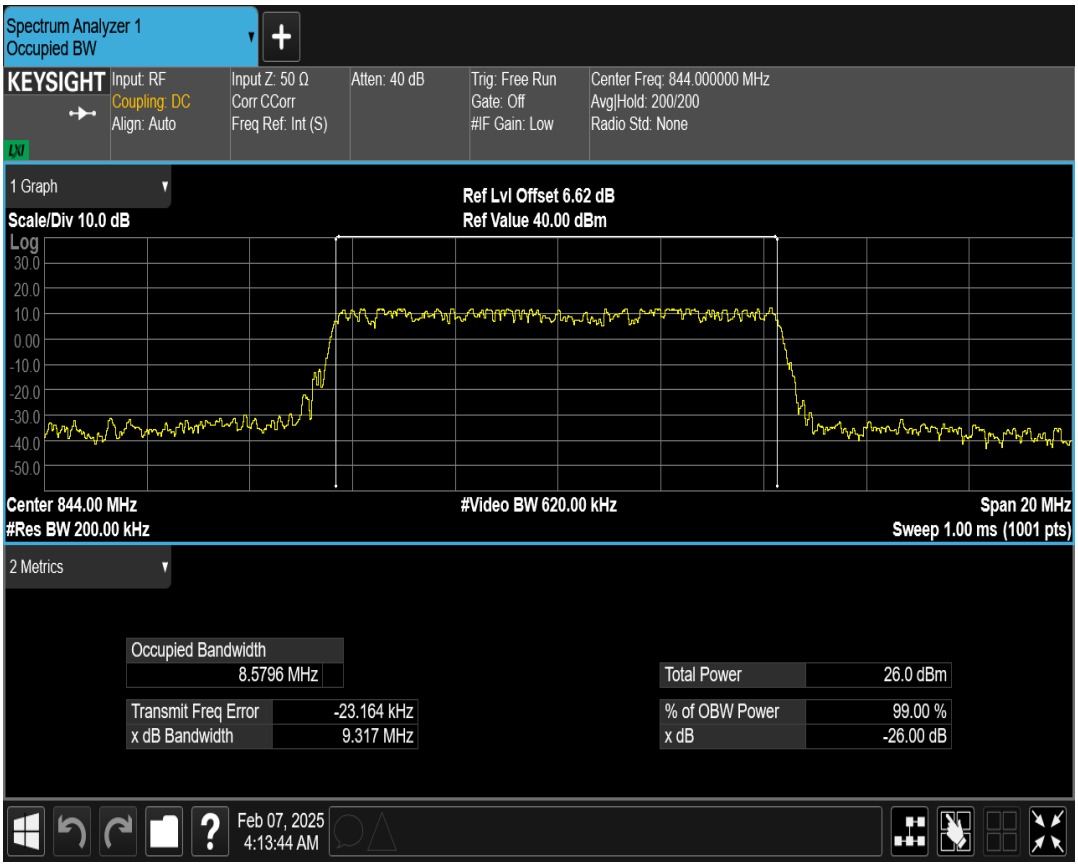
n5 SCS=30kHz DFT_QAM16 BW=10MHz Channel=168800 RB=24@0



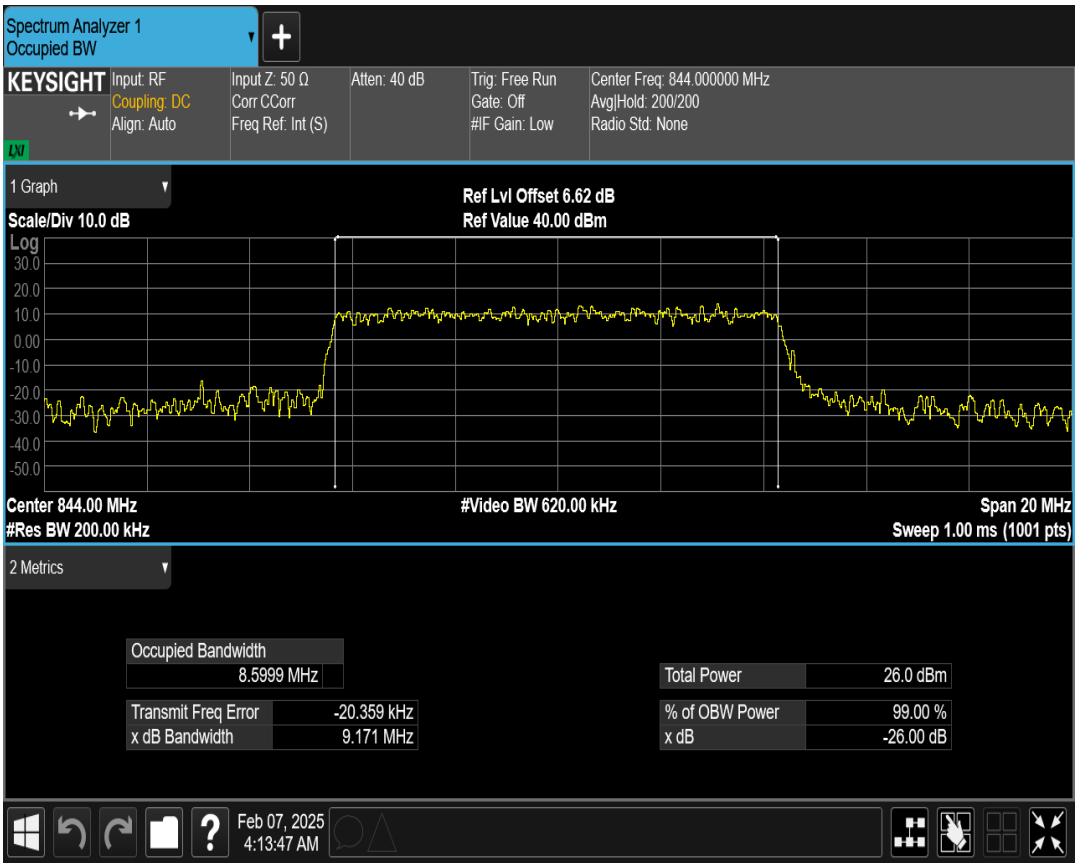
n5 SCS=30kHz DFT_QAM64 BW=10MHz Channel=168800 RB=24@0



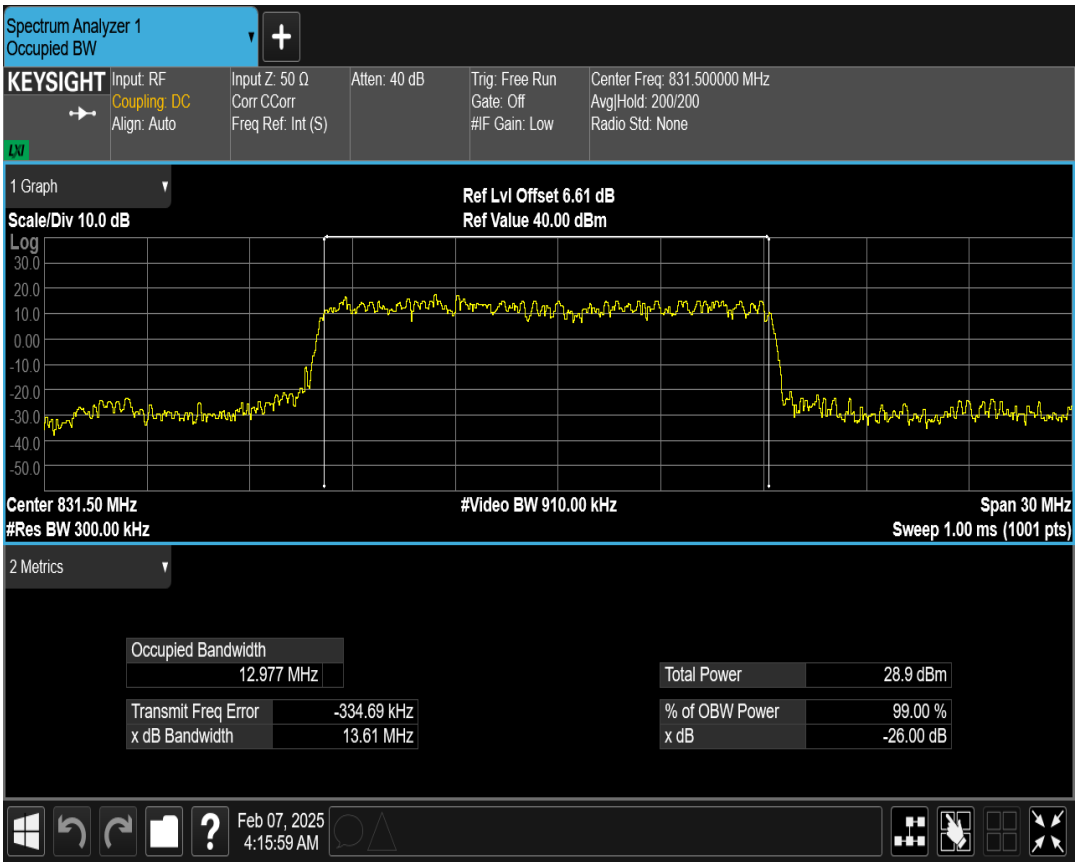
n5 SCS=30kHz DFT_QAM256 BW=10MHz Channel=168800 RB=24@0



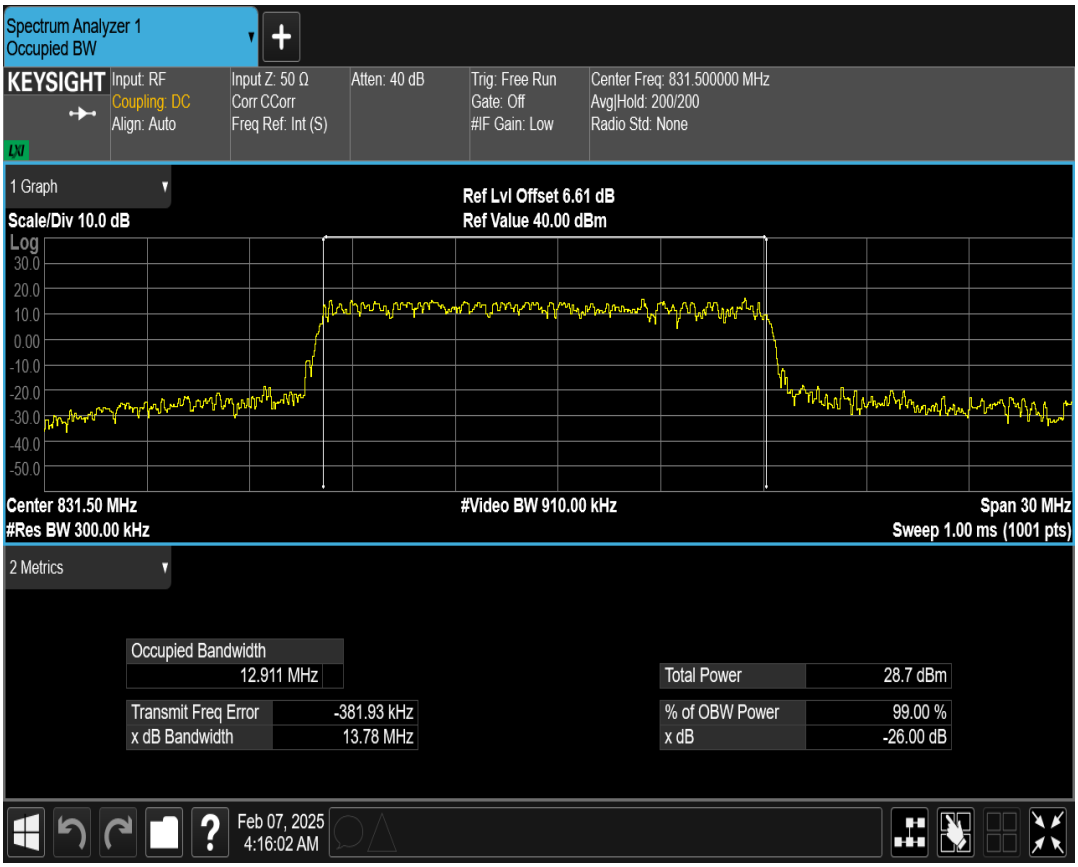
n5 SCS=30kHz CP_QPSK BW=10MHz Channel=168800 RB=24@0



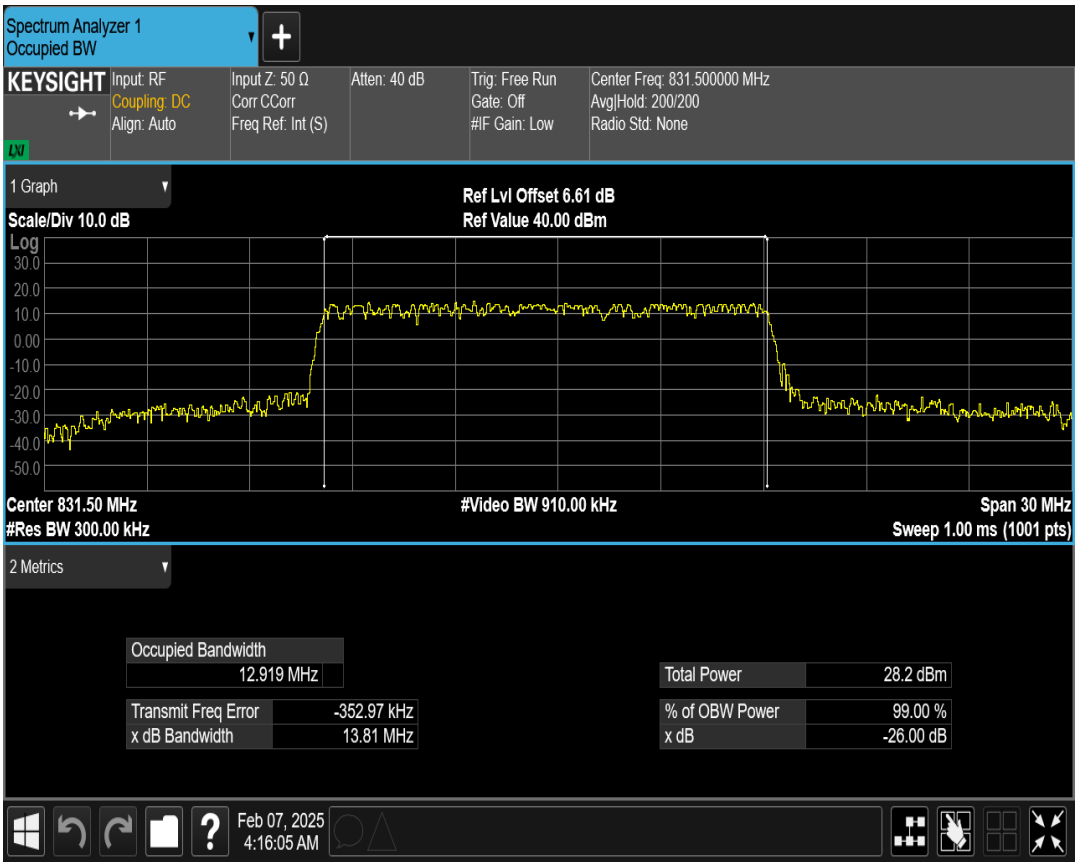
n5 SCS=30kHz DFT_BPSK BW=15MHz Channel=166300 RB=36@0



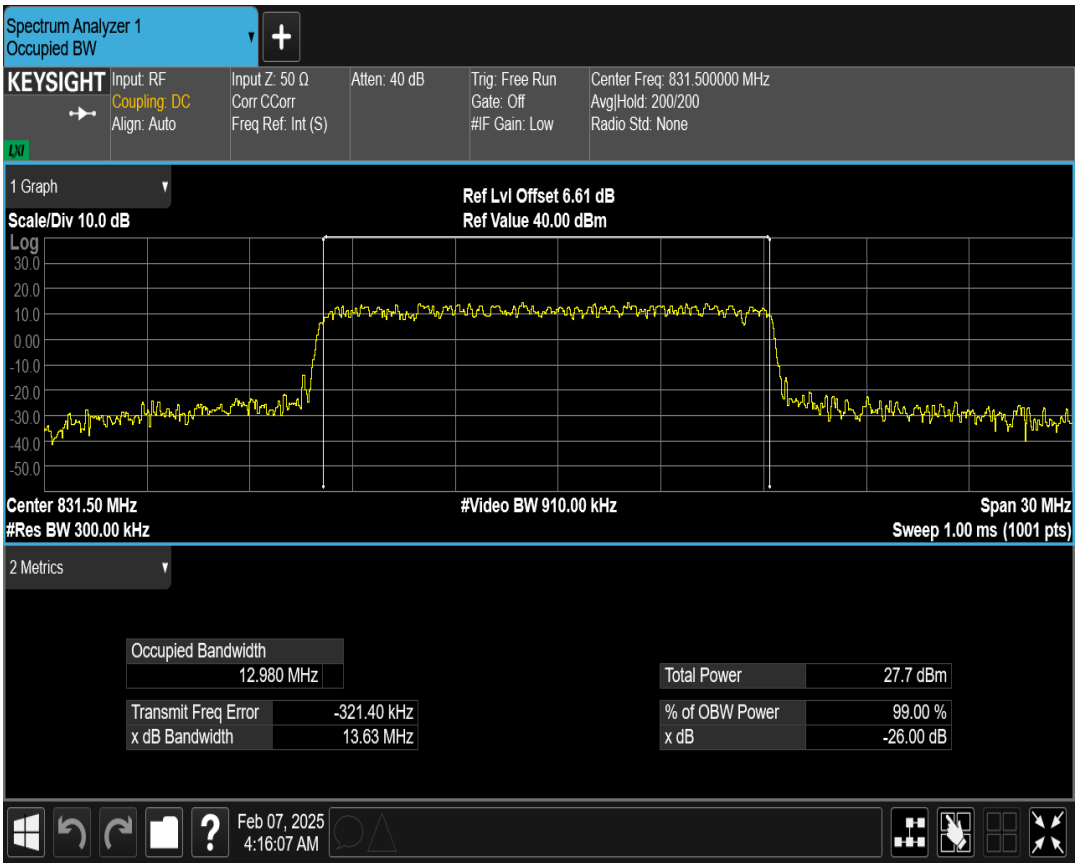
n5 SCS=30kHz DFT_QPSK BW=15MHz Channel=166300 RB=36@0



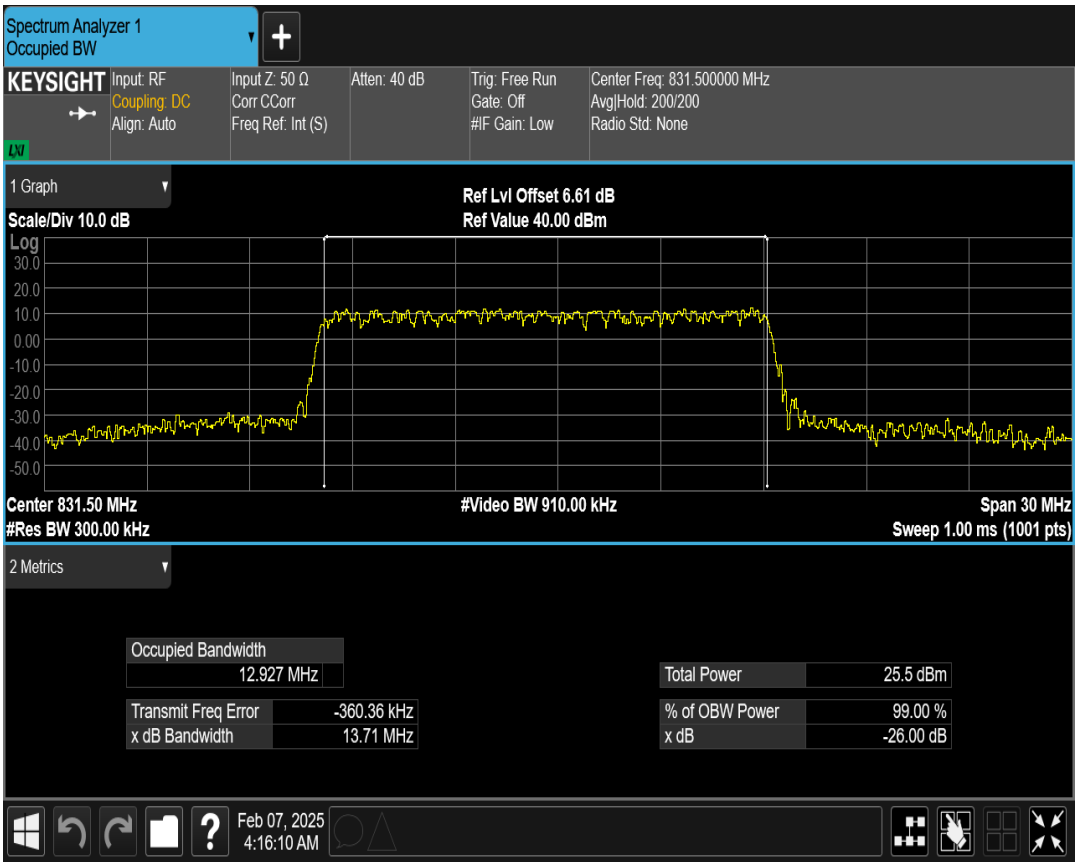
n5 SCS=30kHz DFT_QAM16 BW=15MHz Channel=166300 RB=36@0



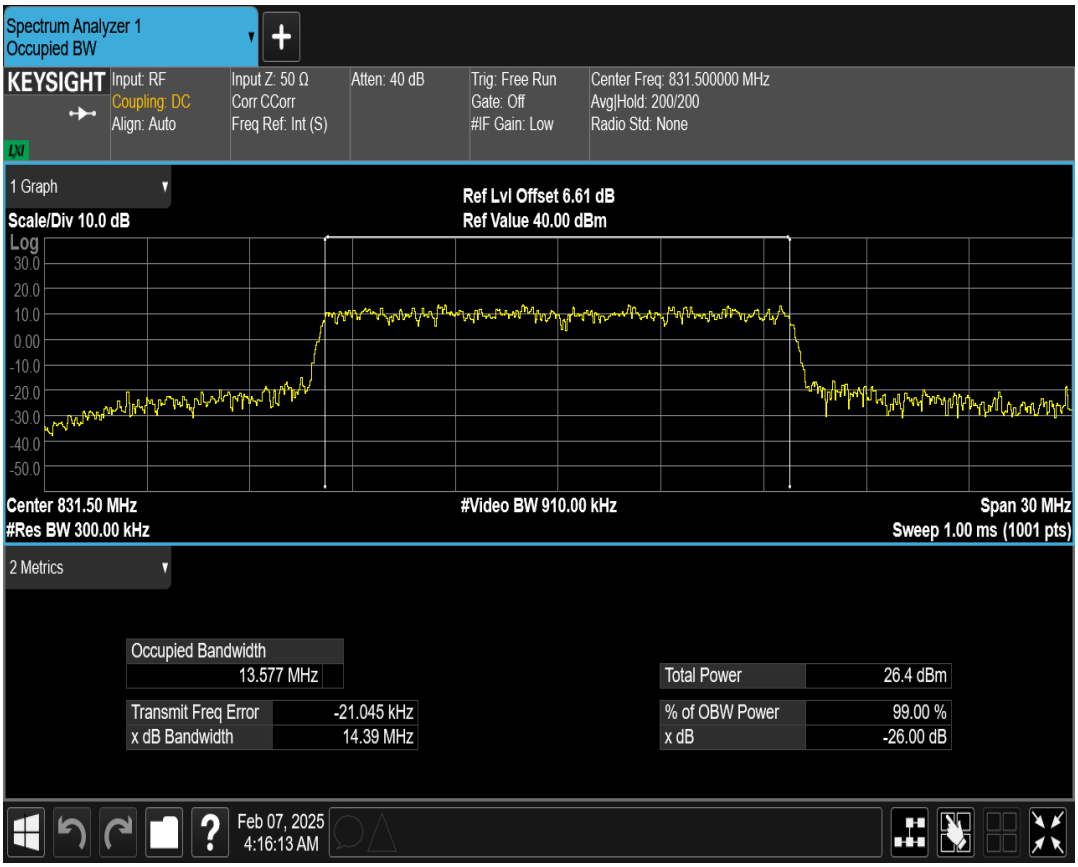
n5 SCS=30kHz DFT_QAM64 BW=15MHz Channel=166300 RB=36@0



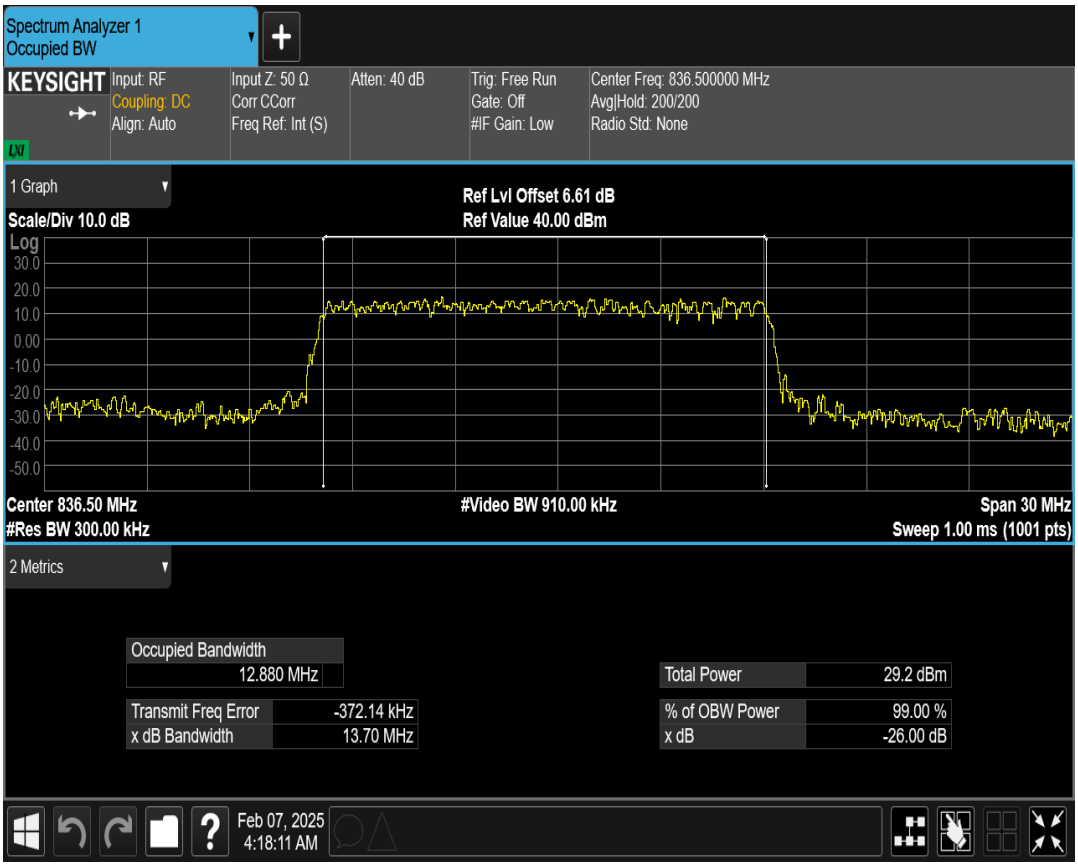
n5 SCS=30kHz DFT_QAM256 BW=15MHz Channel=166300 RB=36@0



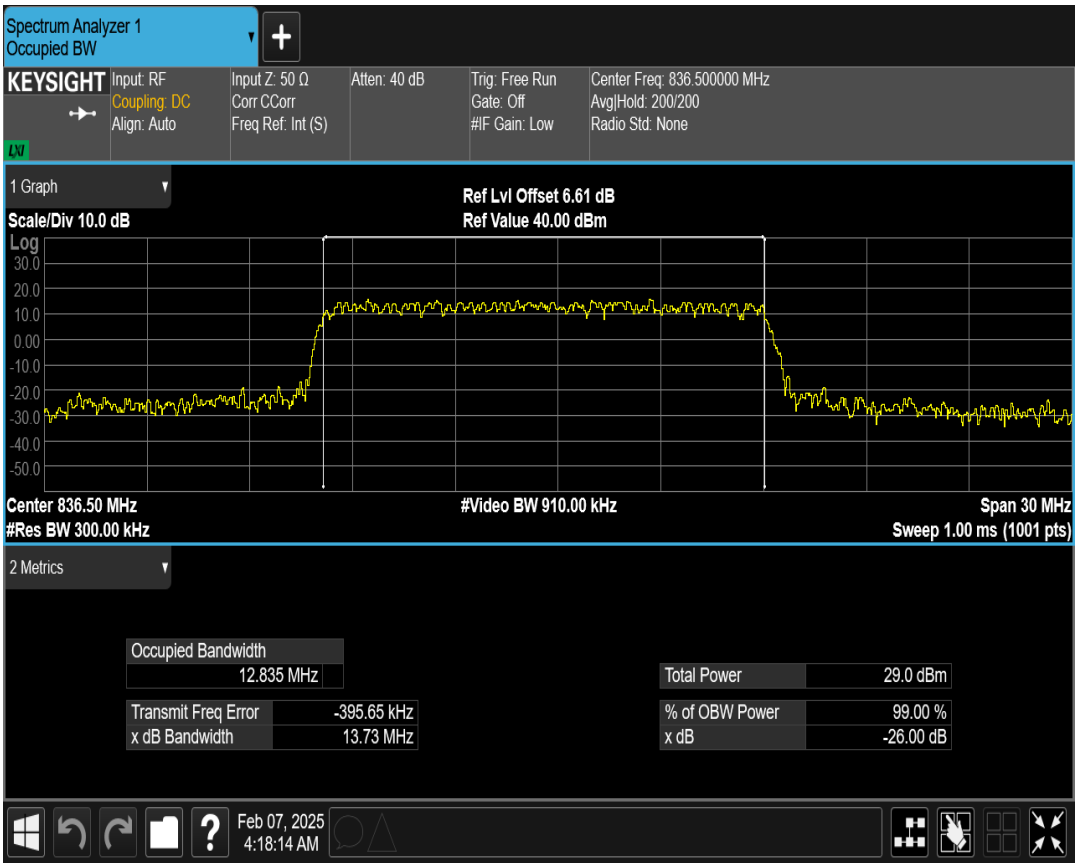
n5 SCS=30kHz CP_QPSK BW=15MHz Channel=166300 RB=38@0



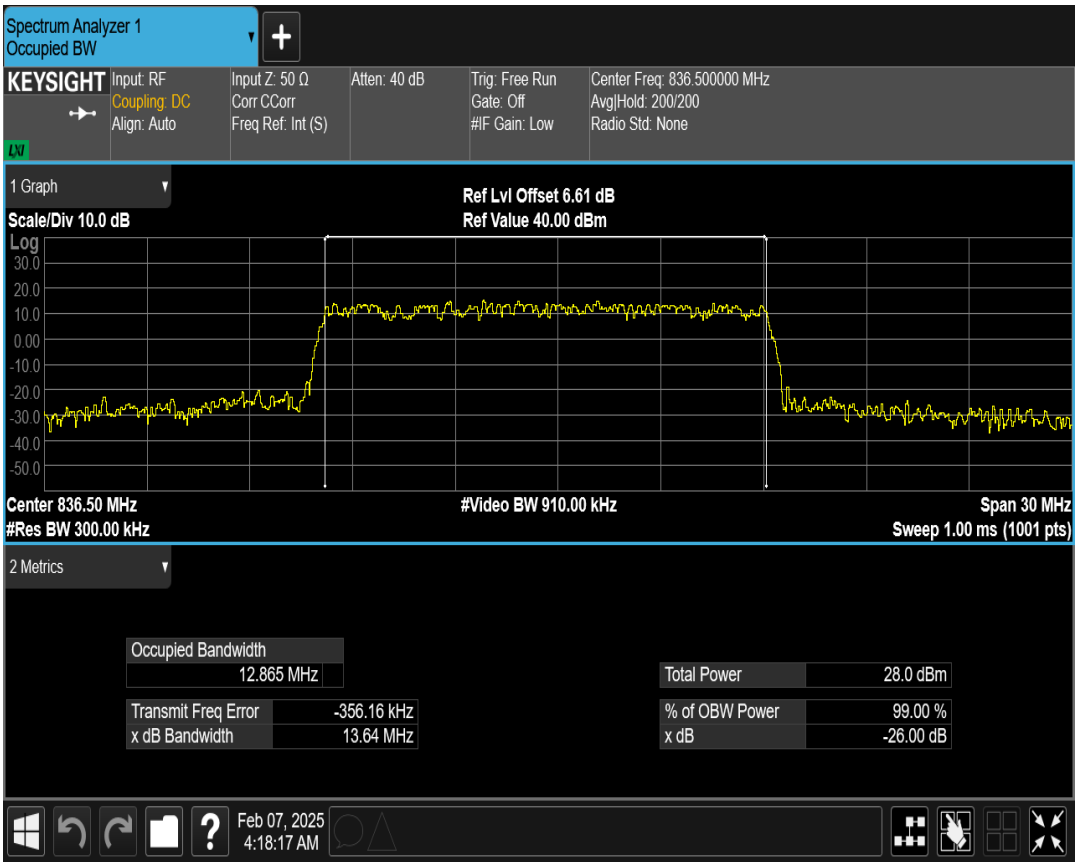
n5 SCS=30kHz DFT_BPSK BW=15MHz Channel=167300 RB=36@0



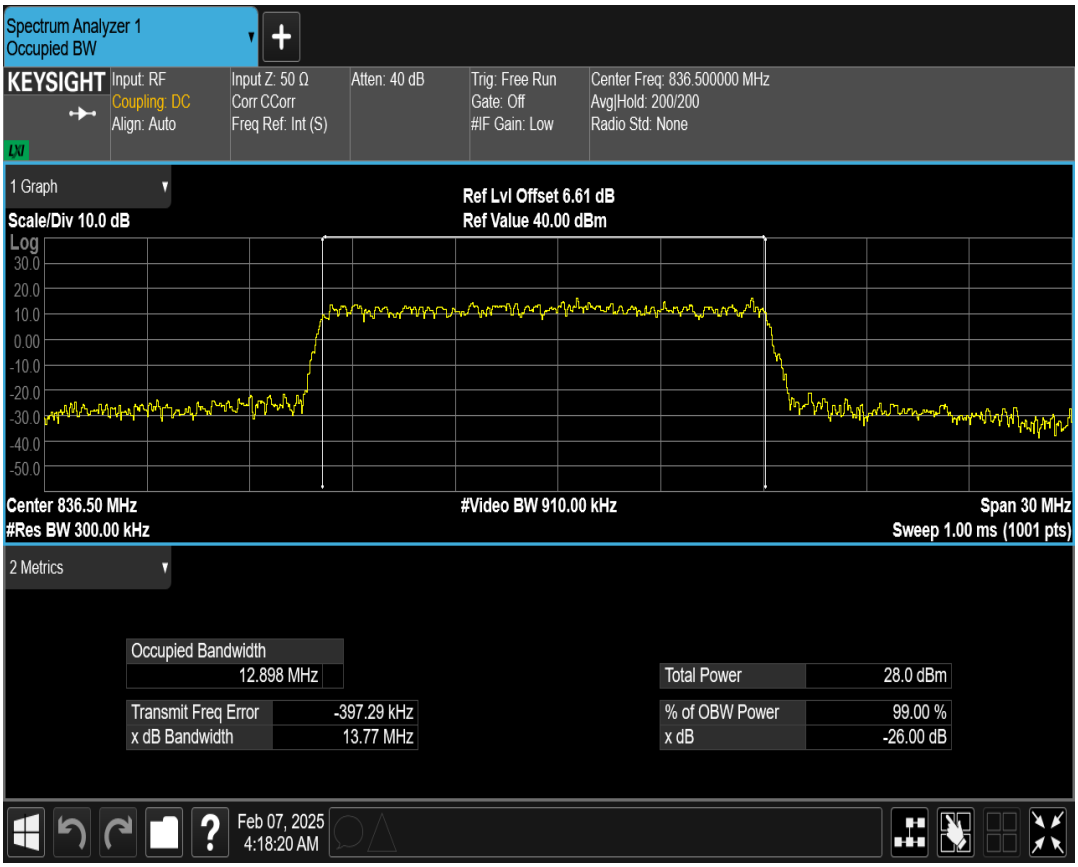
n5 SCS=30kHz DFT_QPSK BW=15MHz Channel=167300 RB=36@0



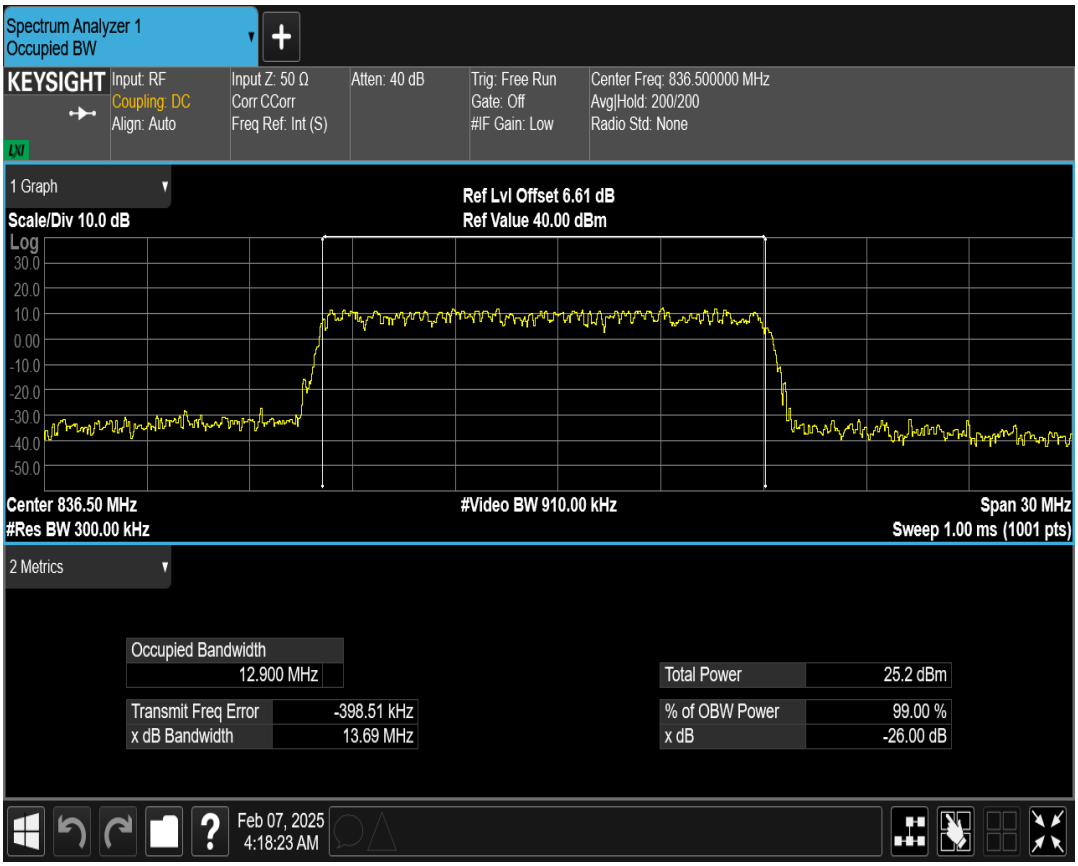
n5 SCS=30kHz DFT_QAM16 BW=15MHz Channel=167300 RB=36@0



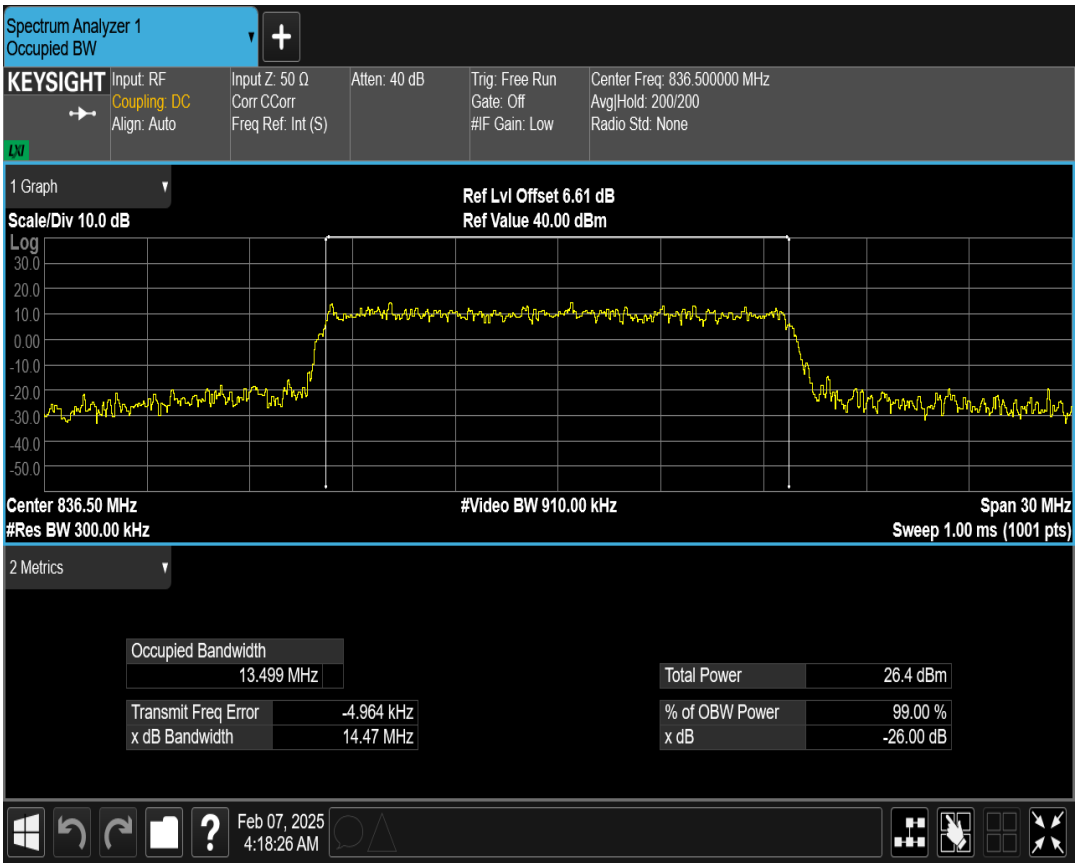
n5 SCS=30kHz DFT_QAM64 BW=15MHz Channel=167300 RB=36@0



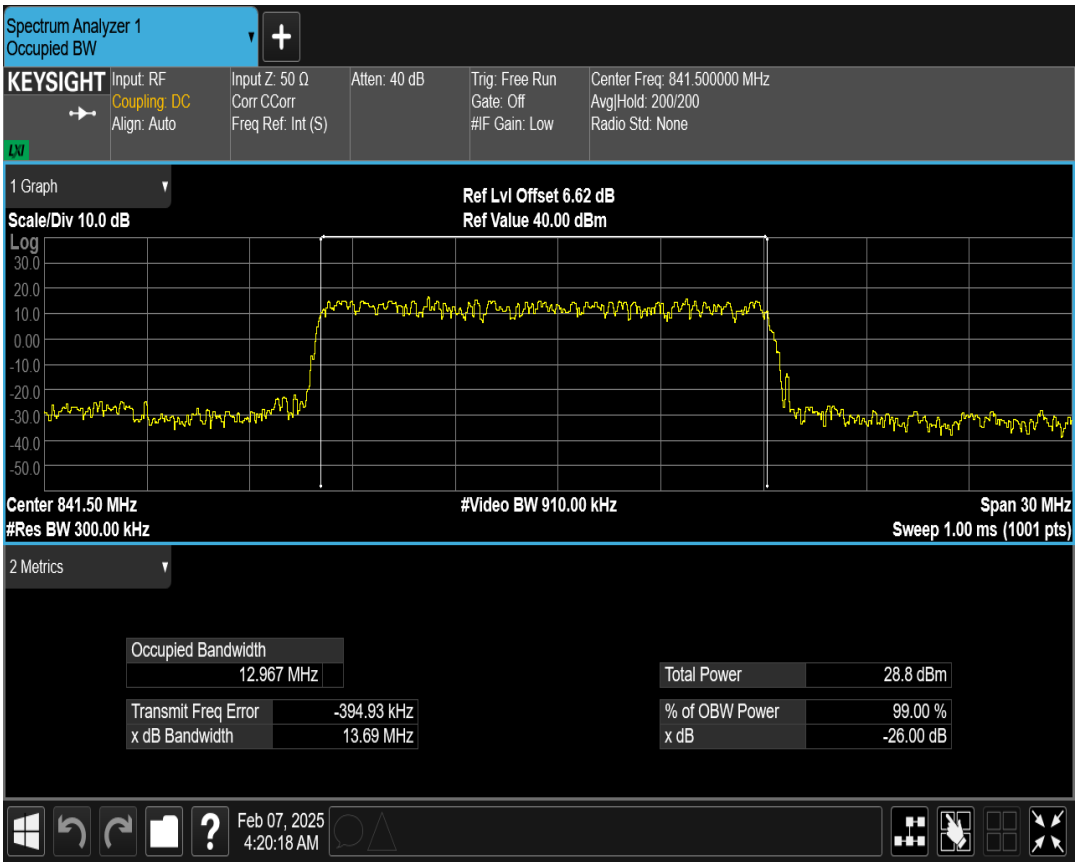
n5 SCS=30kHz DFT_QAM256 BW=15MHz Channel=167300 RB=36@0



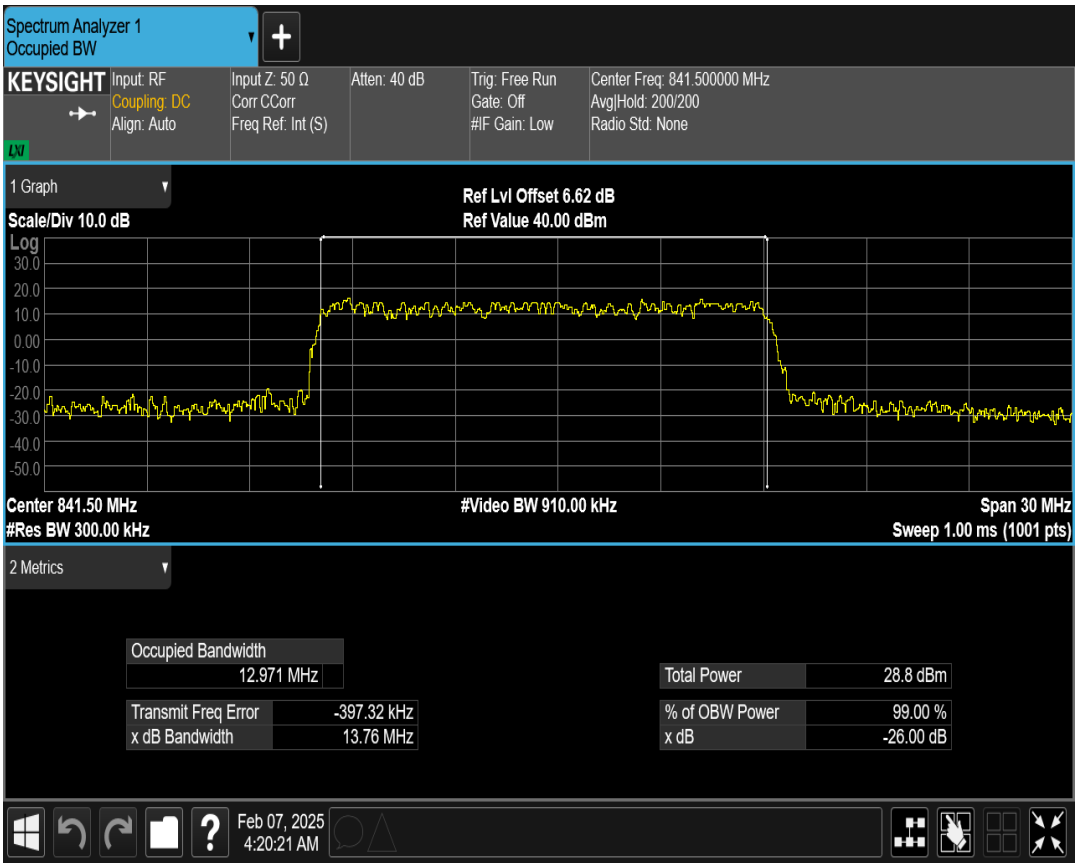
n5 SCS=30kHz CP_QPSK BW=15MHz Channel=167300 RB=38@0



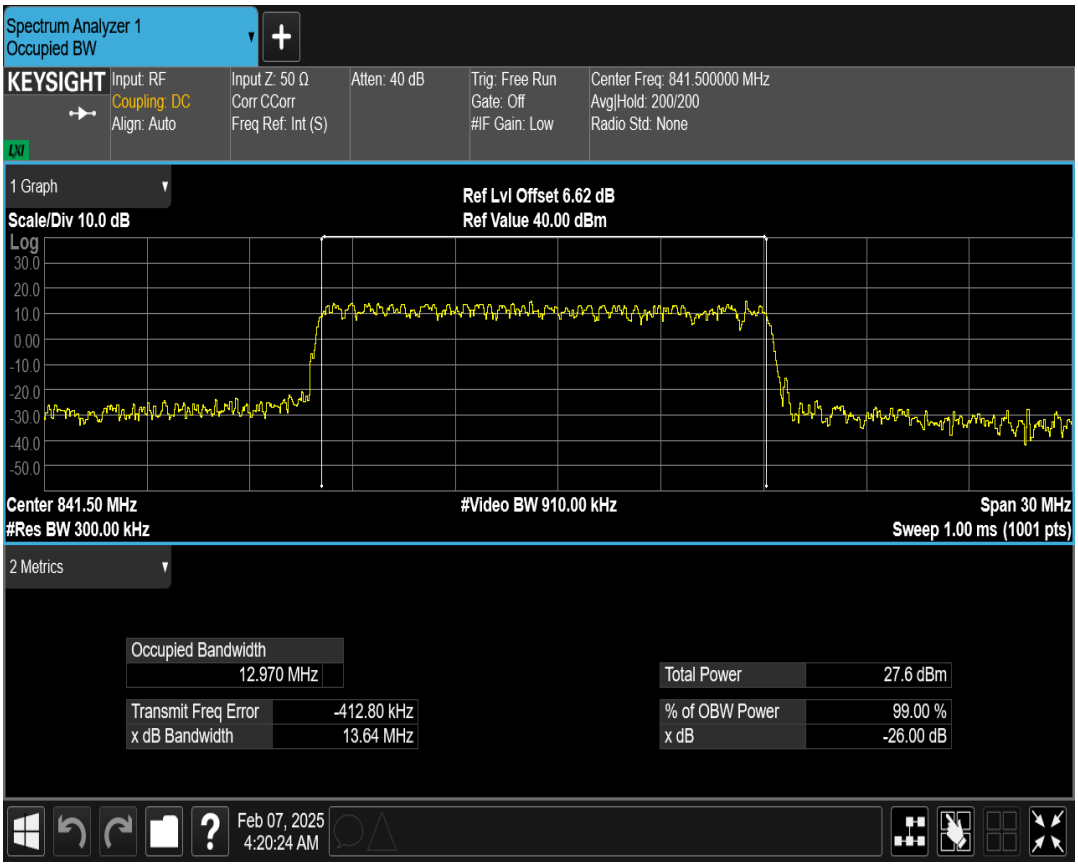
n5 SCS=30kHz DFT_BPSK BW=15MHz Channel=168300 RB=36@0



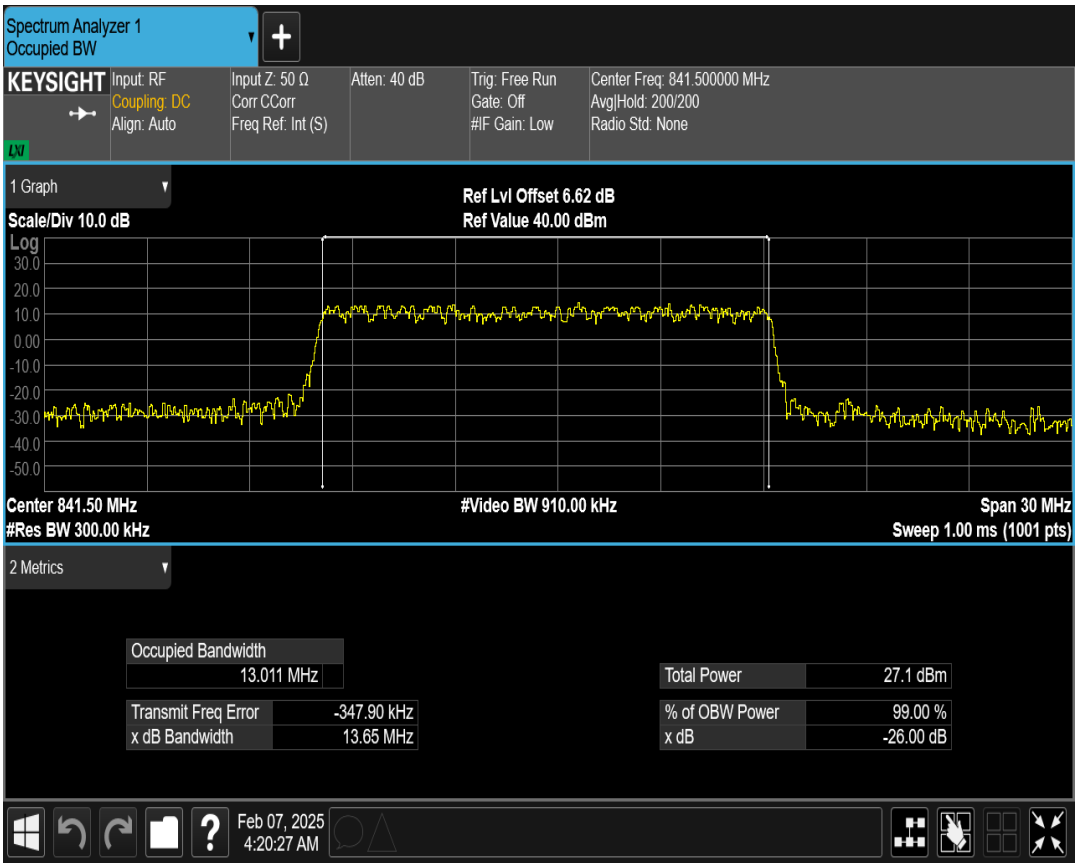
n5 SCS=30kHz DFT_QPSK BW=15MHz Channel=168300 RB=36@0



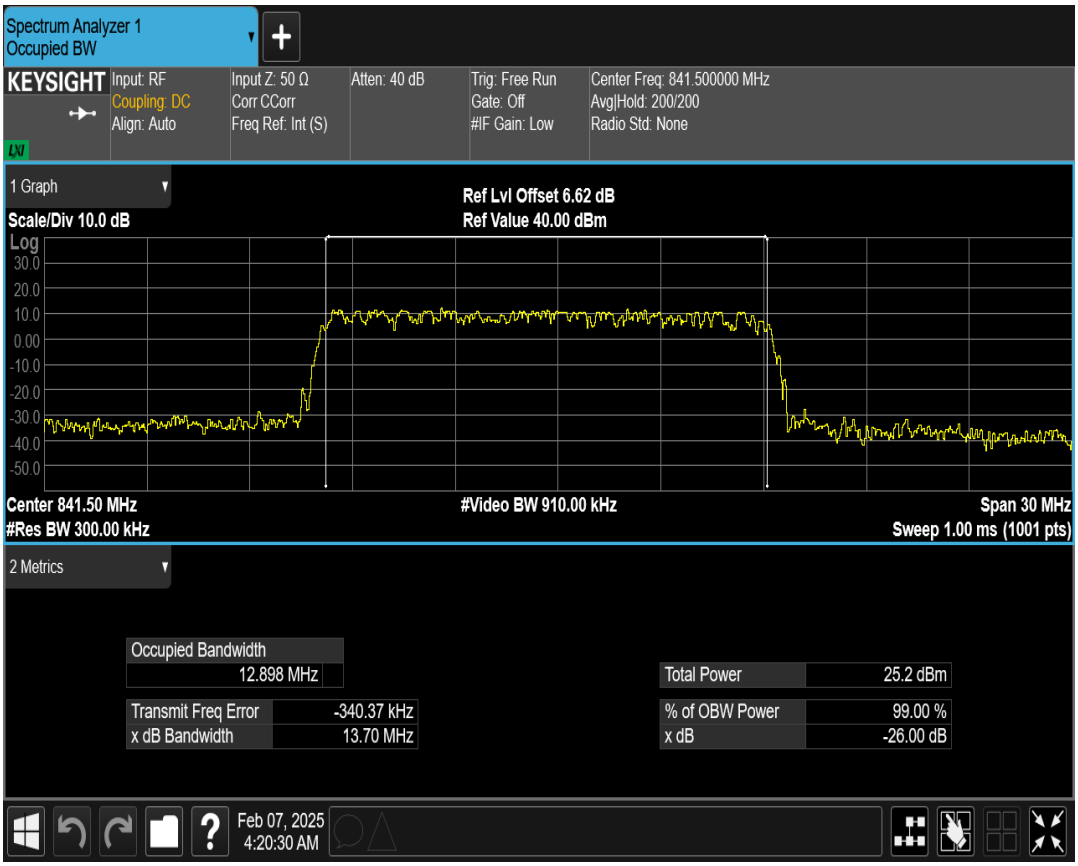
n5 SCS=30kHz DFT_QAM16 BW=15MHz Channel=168300 RB=36@0



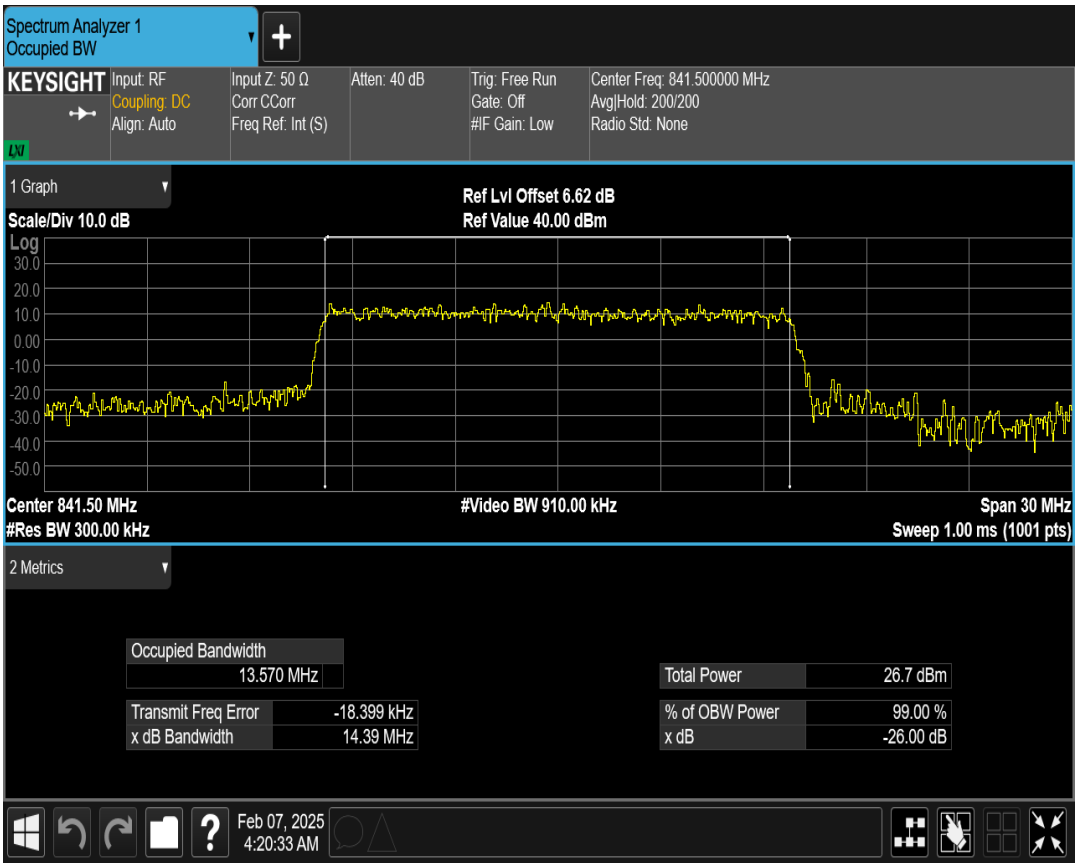
n5 SCS=30kHz DFT_QAM64 BW=15MHz Channel=168300 RB=36@0



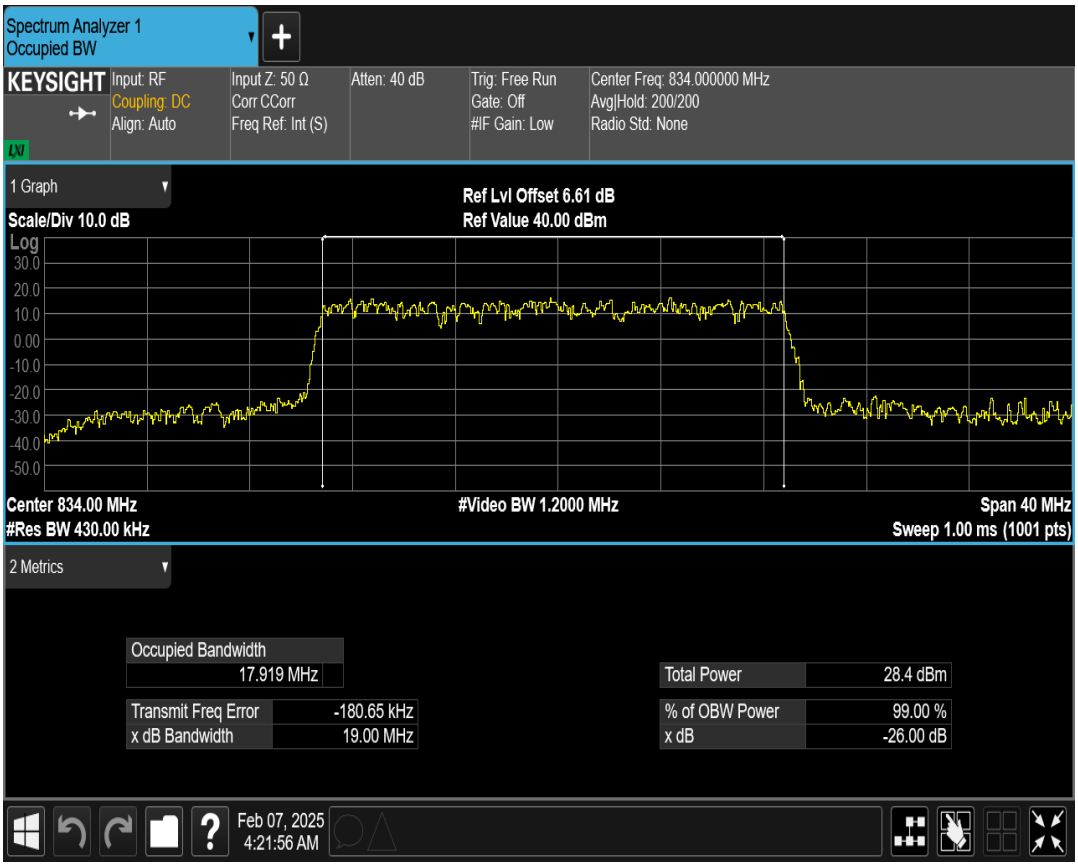
n5 SCS=30kHz DFT_QAM256 BW=15MHz Channel=168300 RB=36@0



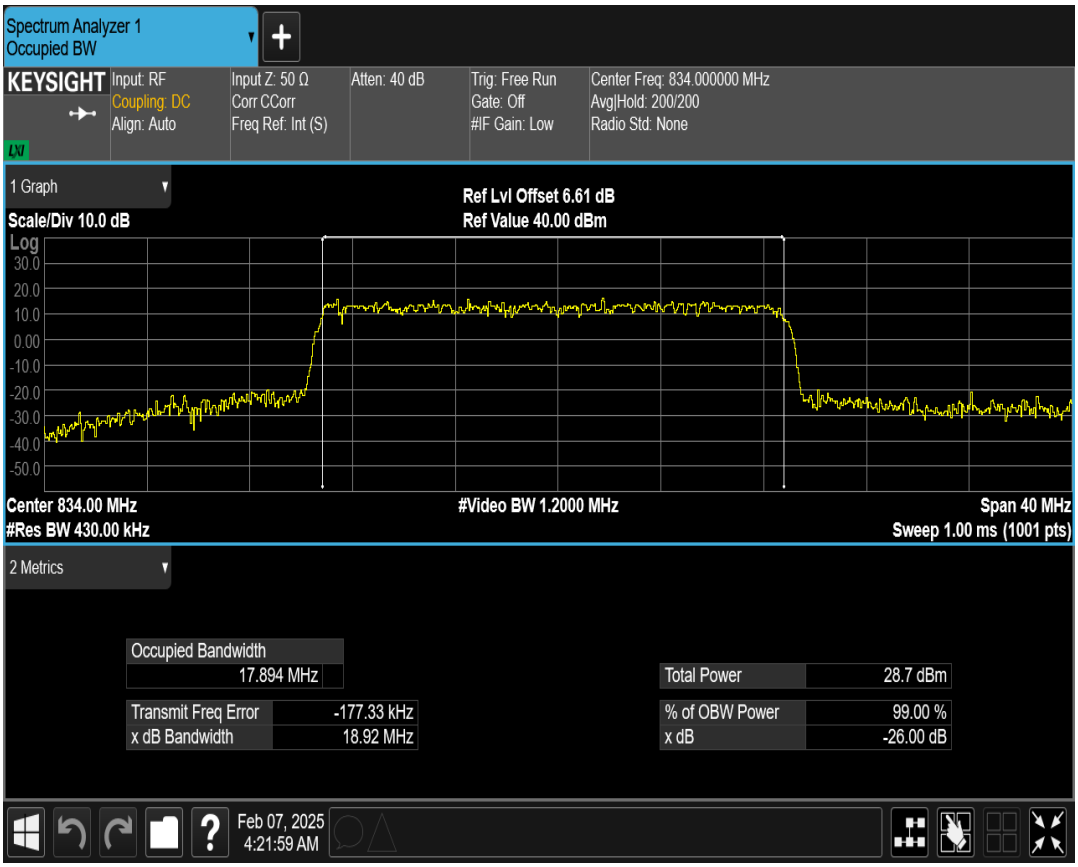
n5 SCS=30kHz CP_QPSK BW=15MHz Channel=168300 RB=38@0



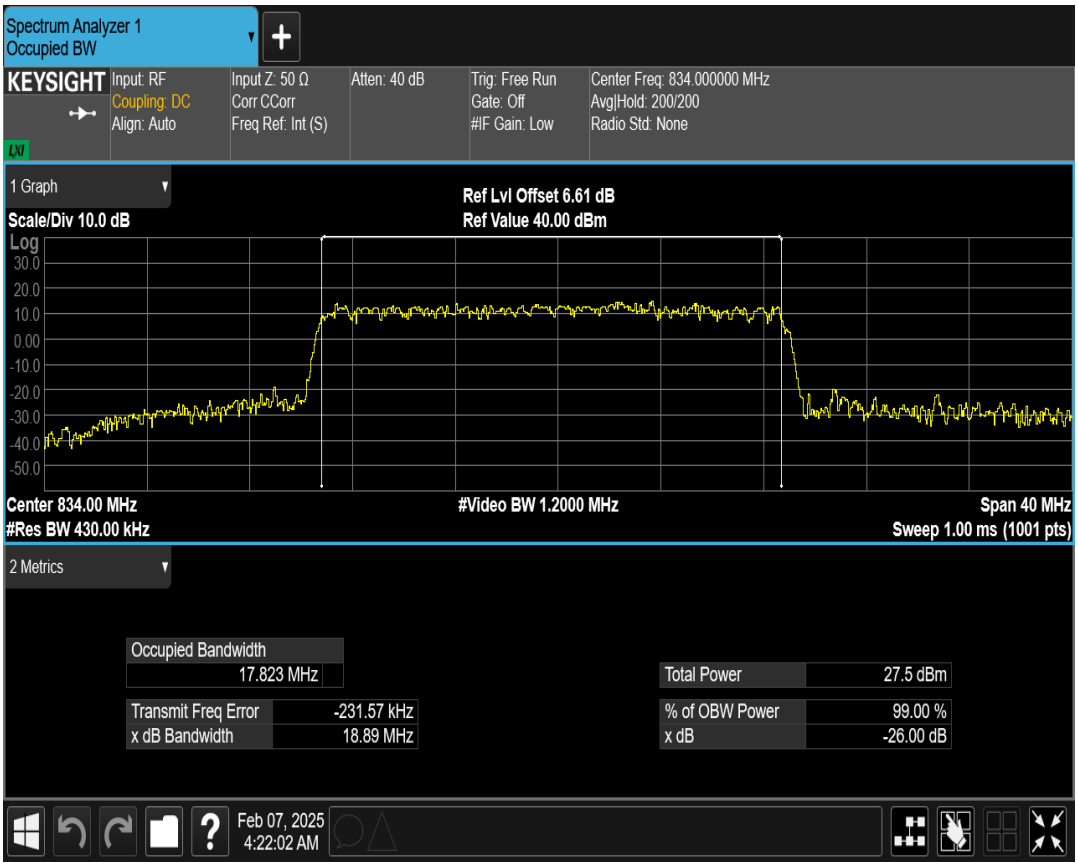
n5 SCS=30kHz DFT_BPSK BW=20MHz Channel=166800 RB=50@0



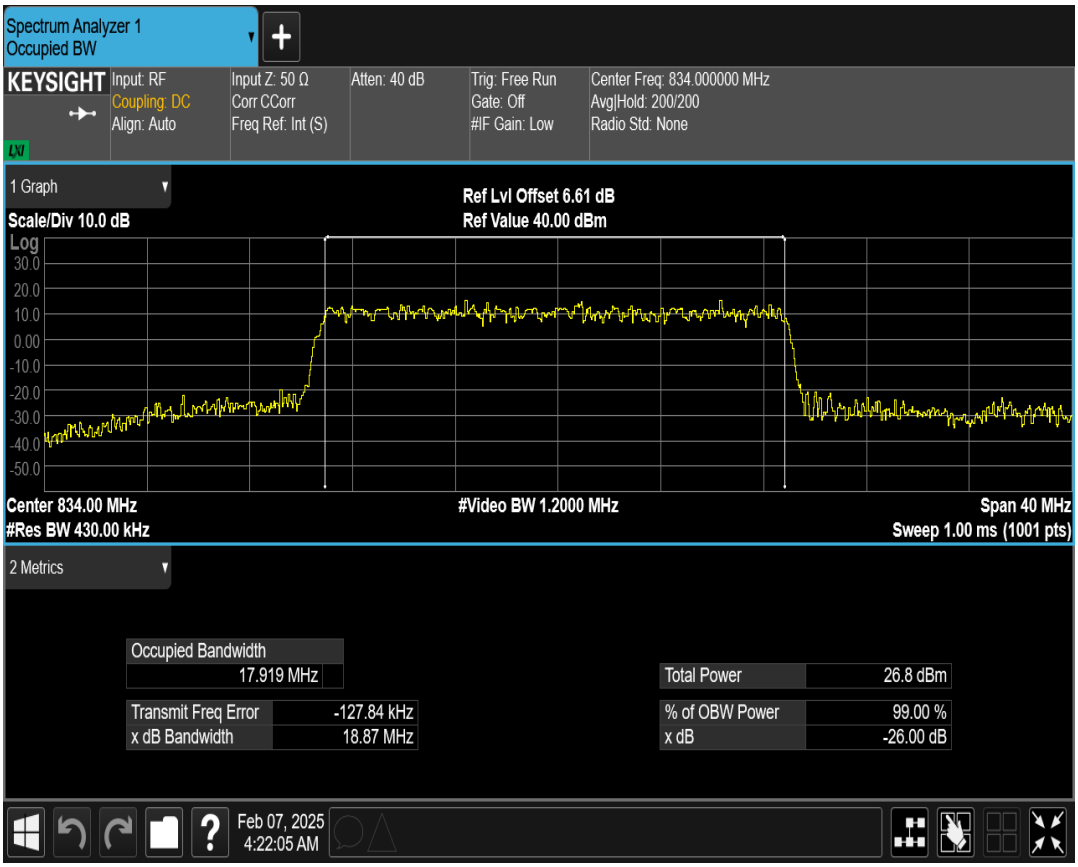
n5 SCS=30kHz DFT_QPSK BW=20MHz Channel=166800 RB=50@0



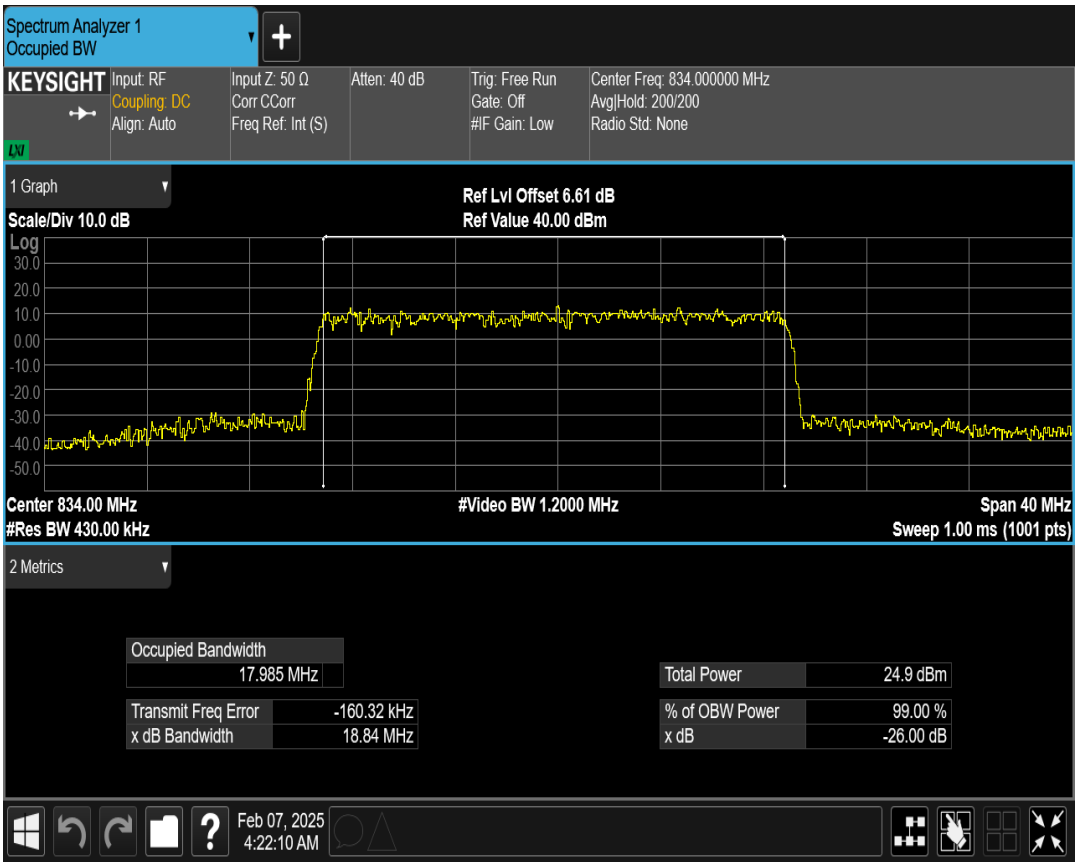
n5 SCS=30kHz DFT_QAM16 BW=20MHz Channel=166800 RB=50@0



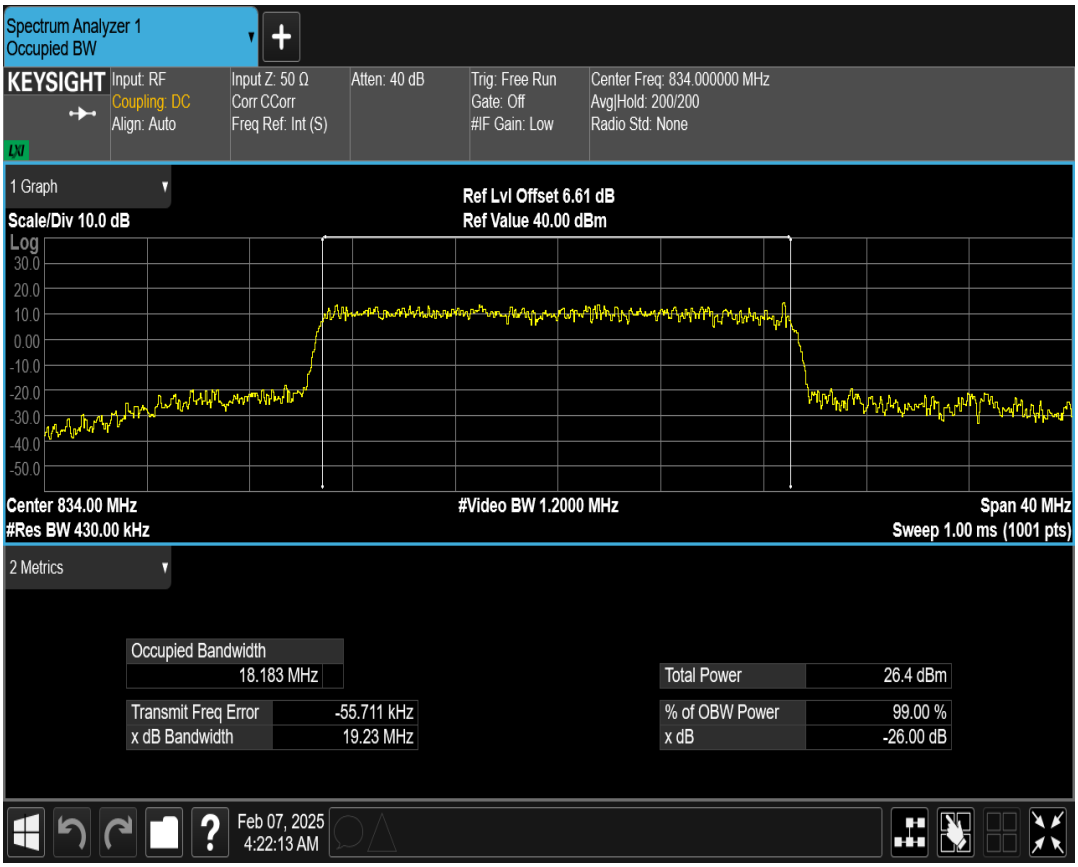
n5 SCS=30kHz DFT_QAM64 BW=20MHz Channel=166800 RB=50@0



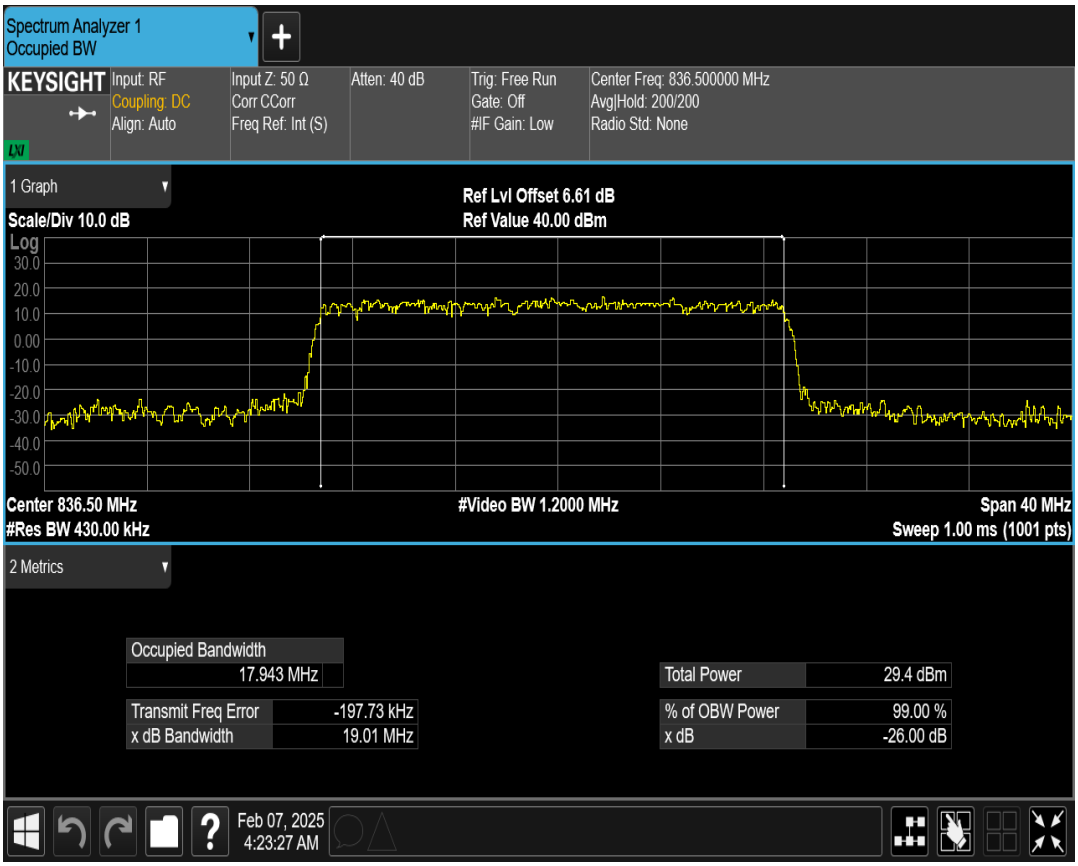
n5 SCS=30kHz DFT_QAM256 BW=20MHz Channel=166800 RB=50@0



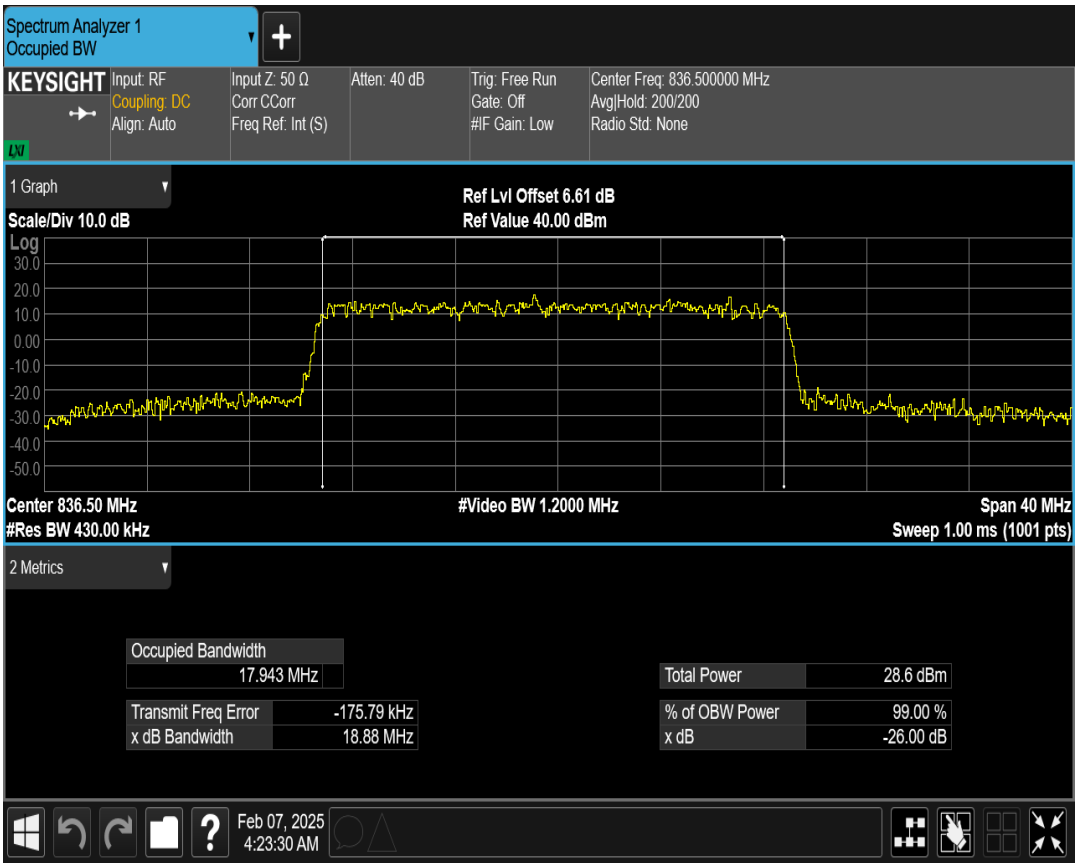
n5 SCS=30kHz CP_QPSK BW=20MHz Channel=166800 RB=51@0



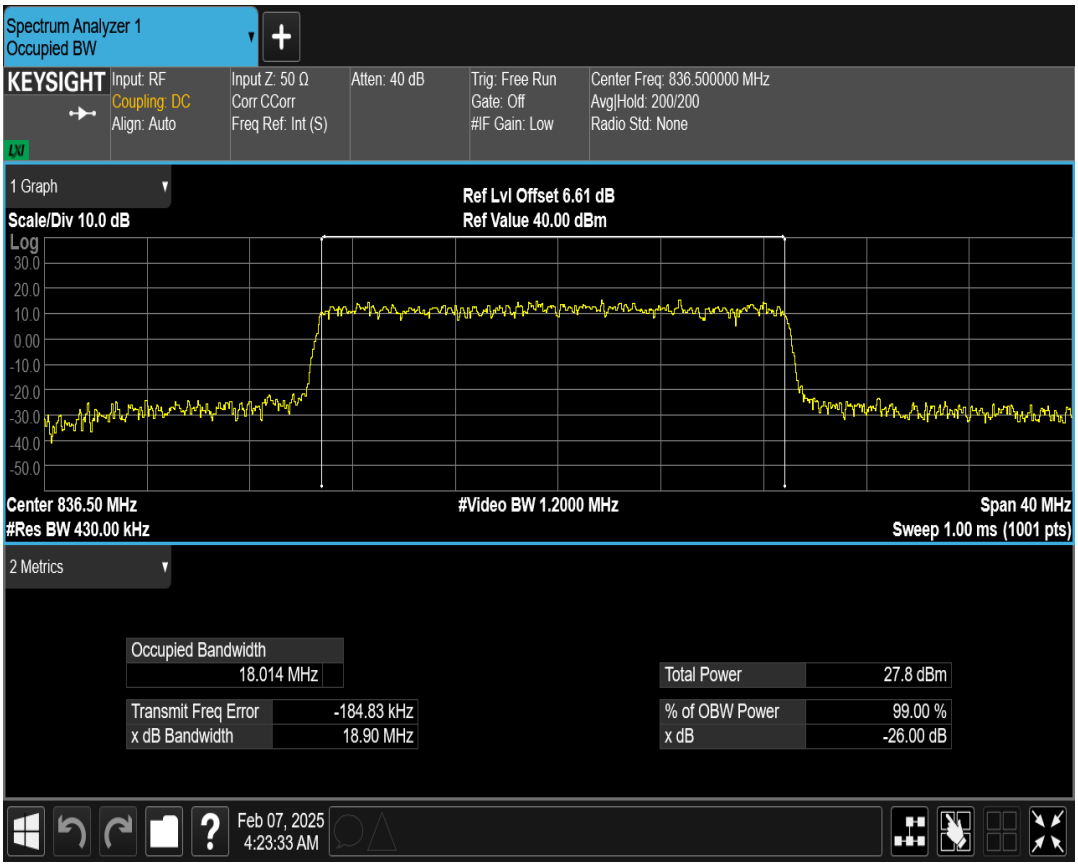
n5 SCS=30kHz DFT_BPSK BW=20MHz Channel=167300 RB=50@0



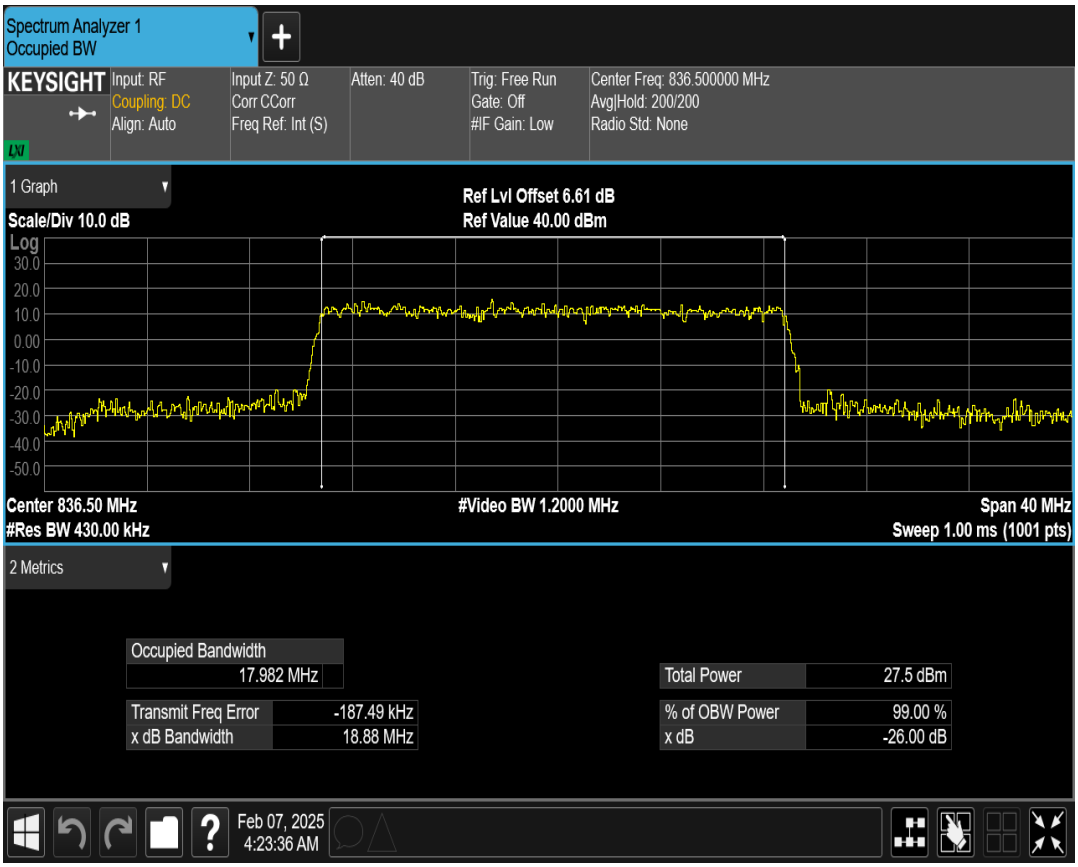
n5 SCS=30kHz DFT_QPSK BW=20MHz Channel=167300 RB=50@0



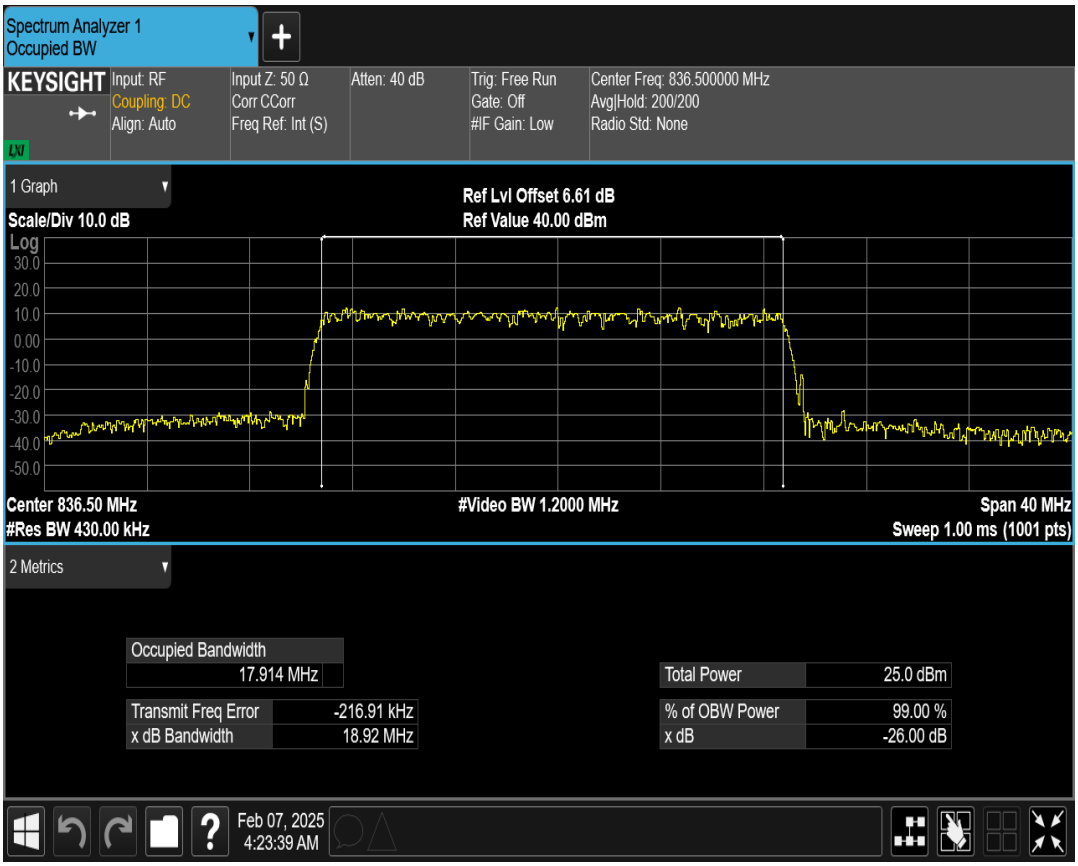
n5 SCS=30kHz DFT_QAM16 BW=20MHz Channel=167300 RB=50@0



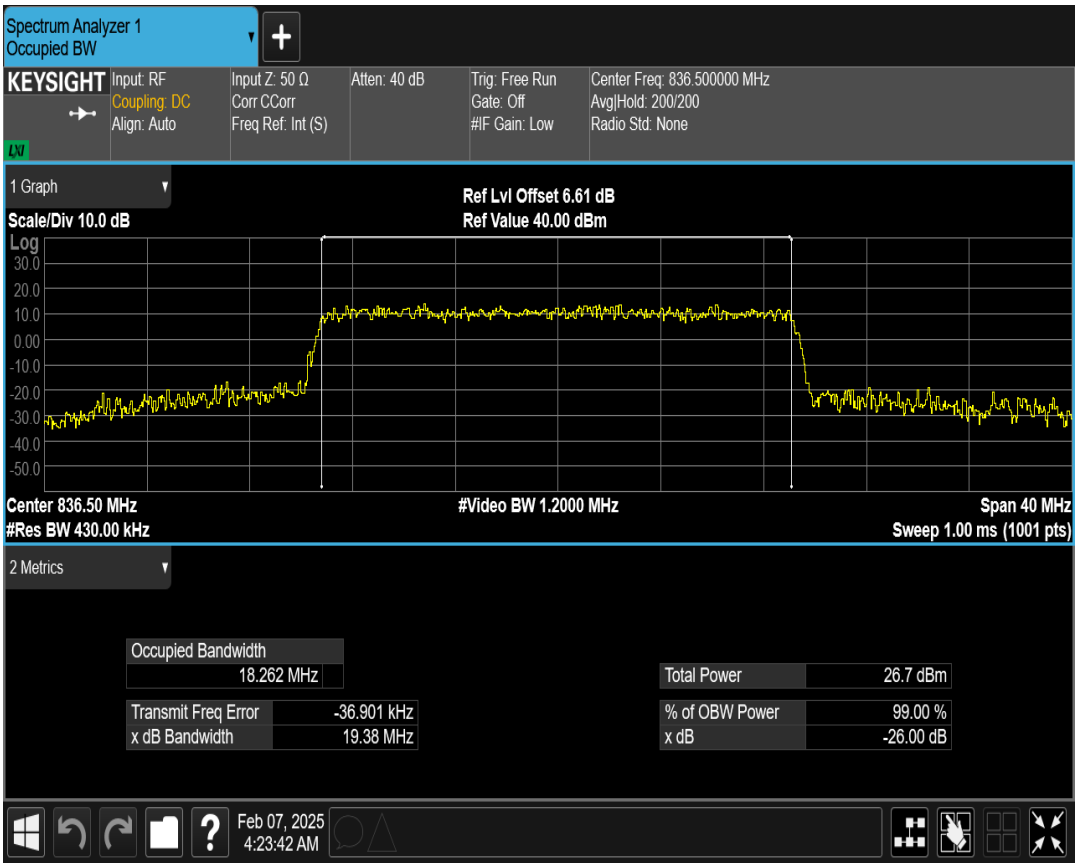
n5 SCS=30kHz DFT_QAM64 BW=20MHz Channel=167300 RB=50@0



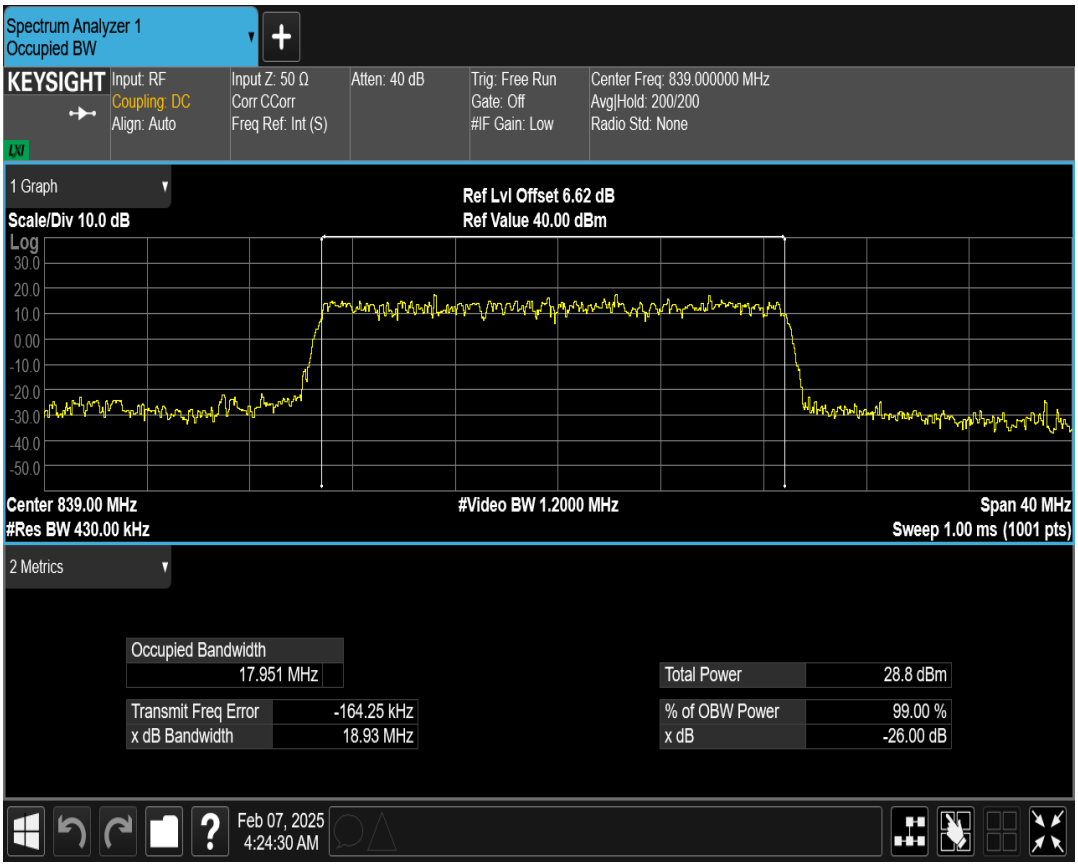
n5 SCS=30kHz DFT_QAM256 BW=20MHz Channel=167300 RB=50@0



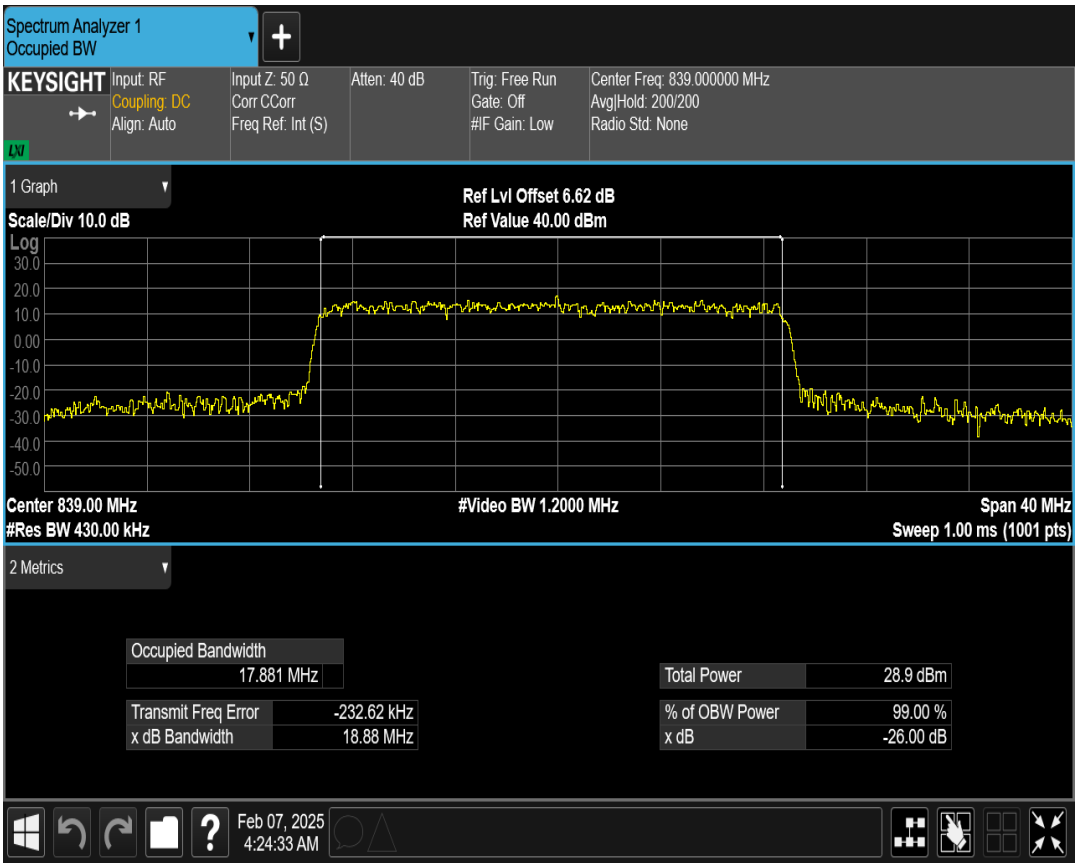
n5 SCS=30kHz CP_QPSK BW=20MHz Channel=167300 RB=51@0



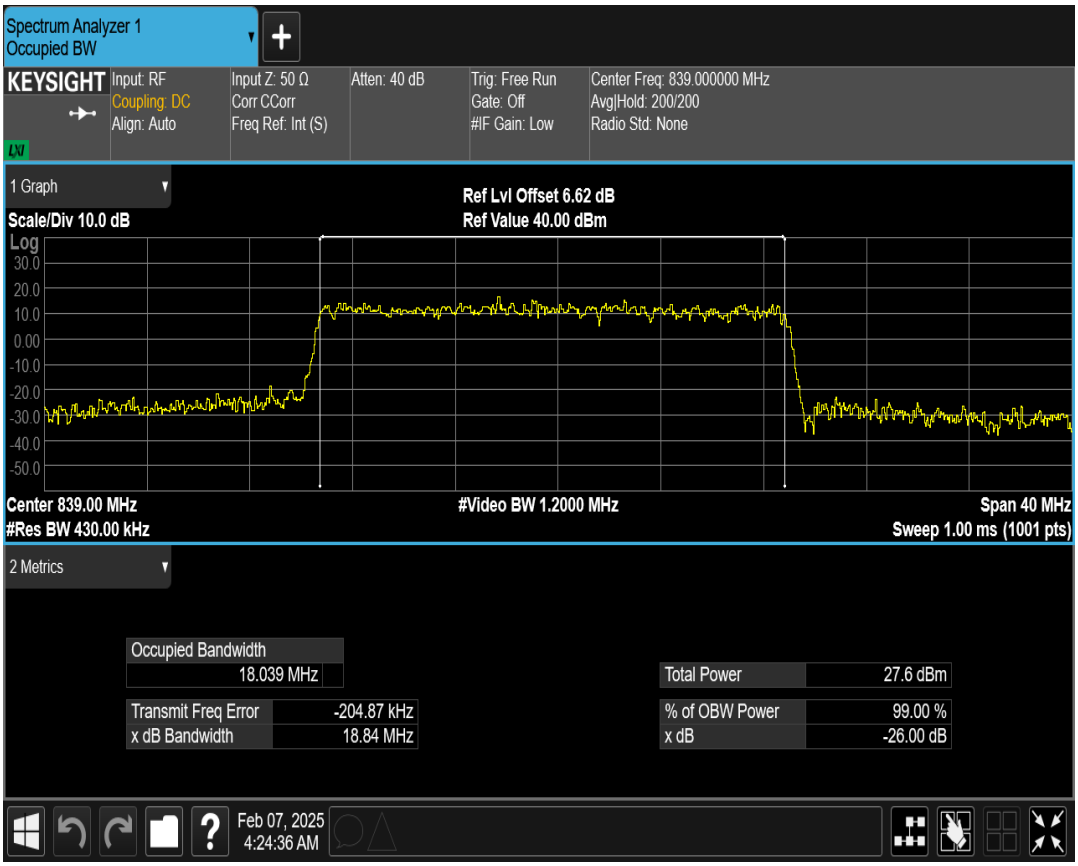
n5 SCS=30kHz DFT_BPSK BW=20MHz Channel=167800 RB=50@0



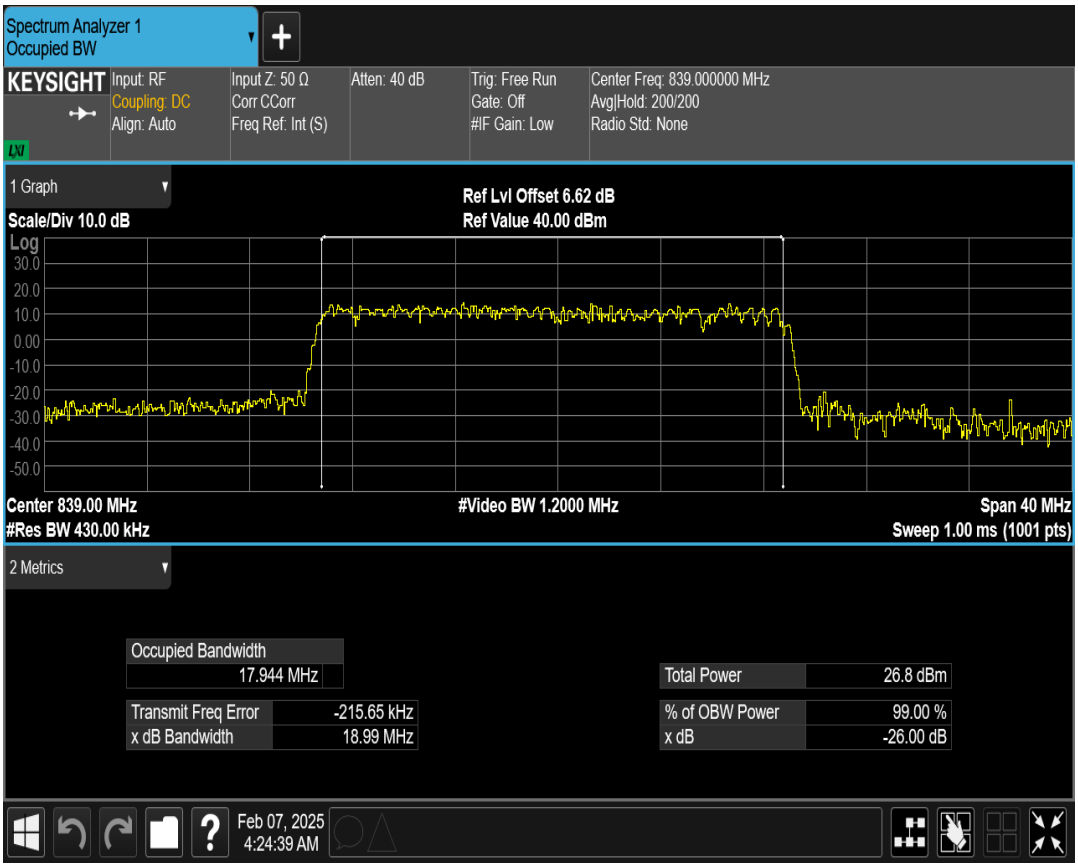
n5 SCS=30kHz DFT_QPSK BW=20MHz Channel=167800 RB=50@0



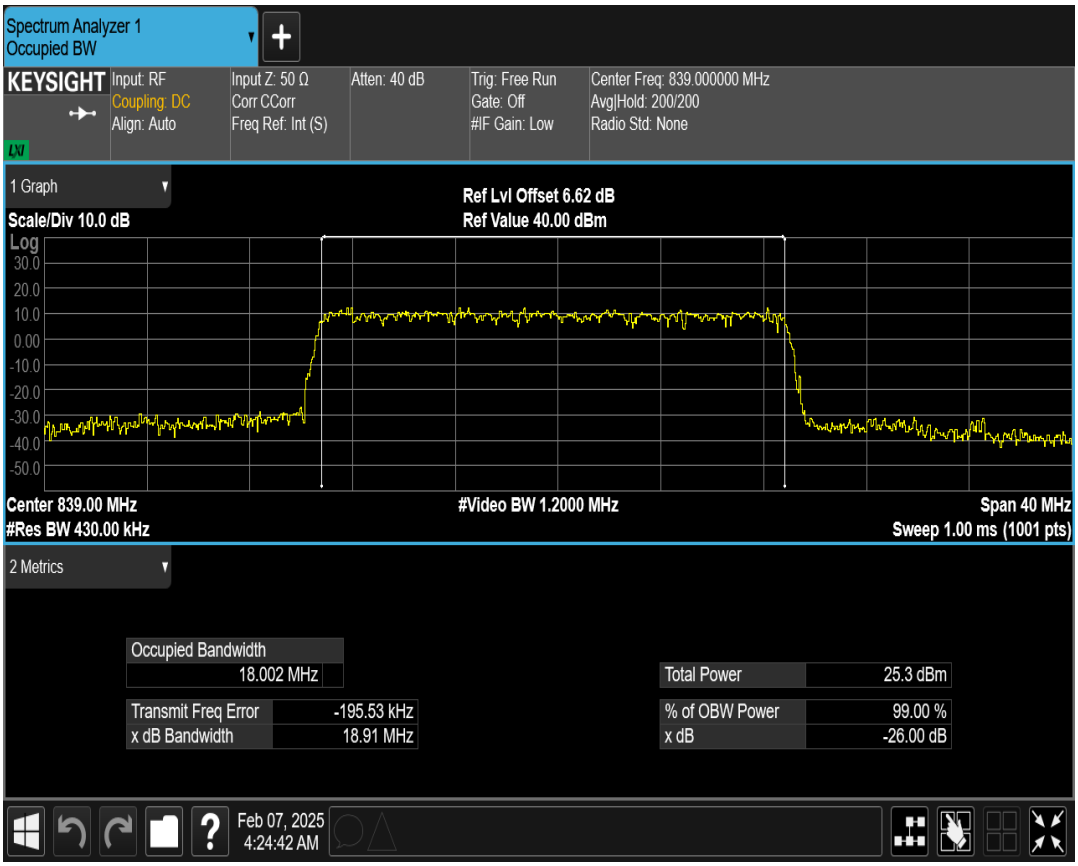
n5 SCS=30kHz DFT_QAM16 BW=20MHz Channel=167800 RB=50@0



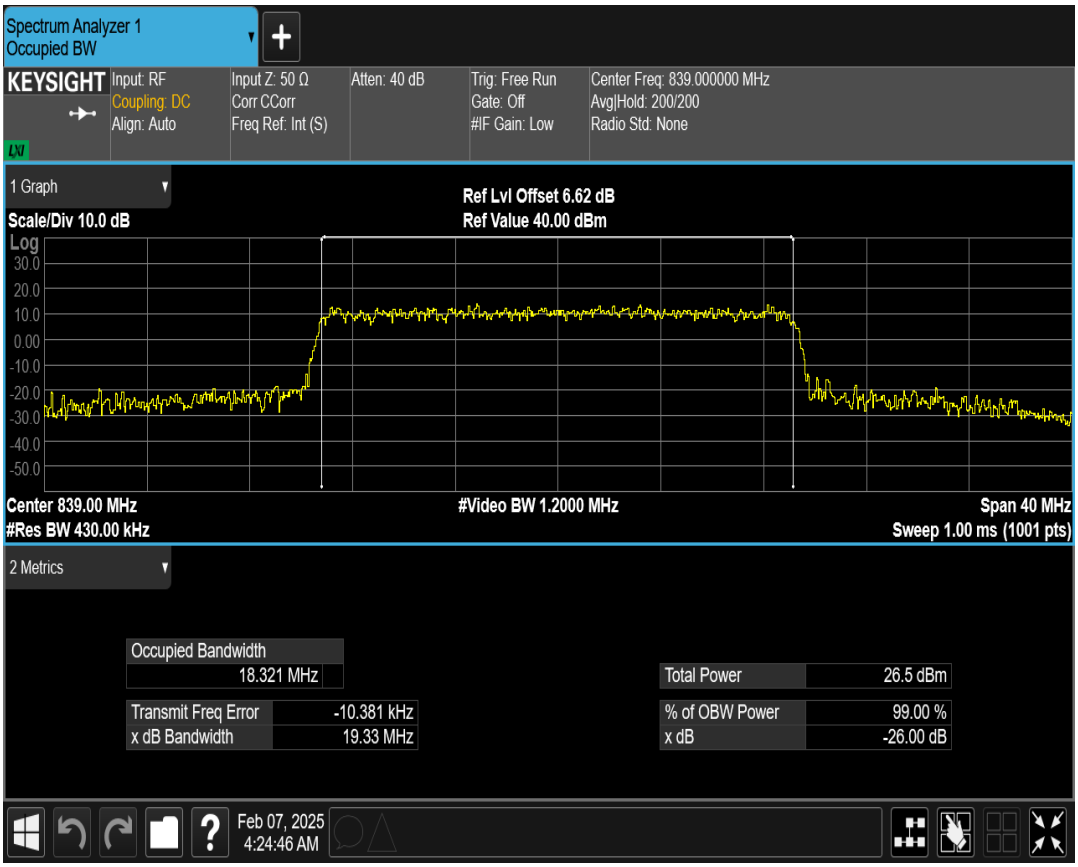
n5 SCS=30kHz DFT_QAM64 BW=20MHz Channel=167800 RB=50@0



n5 SCS=30kHz DFT_QAM256 BW=20MHz Channel=167800 RB=50@0



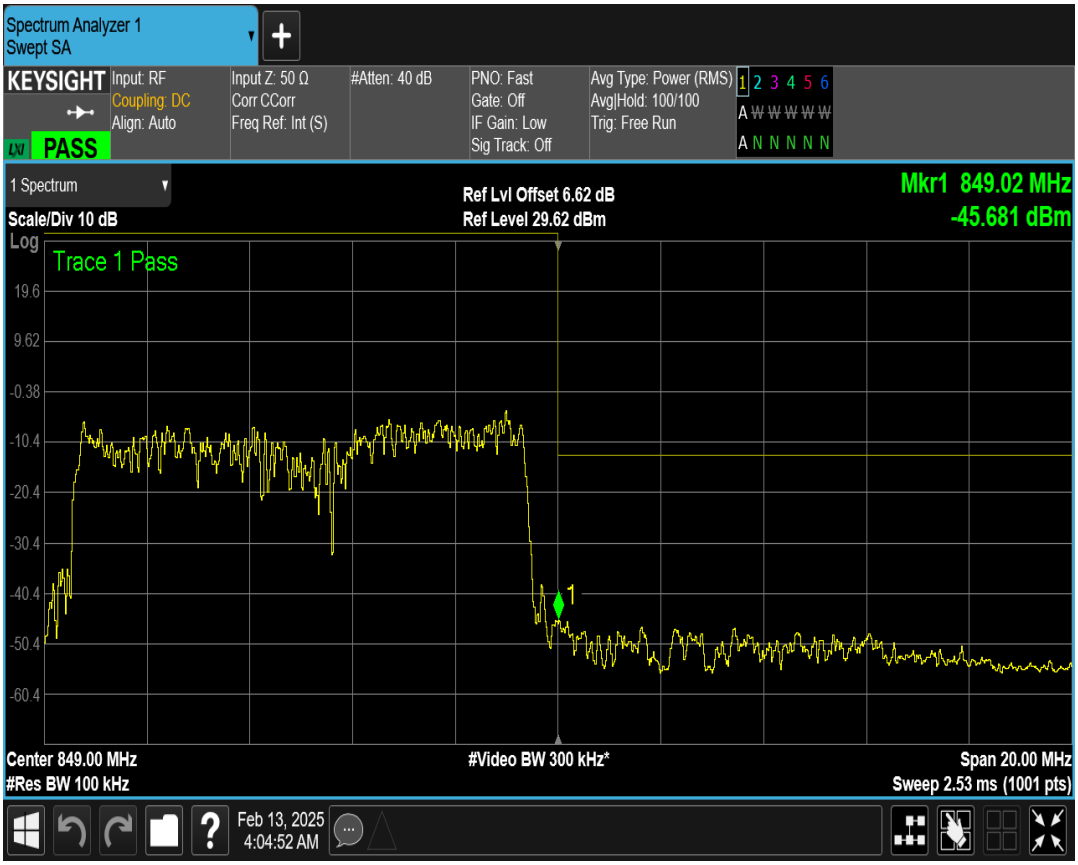
n5 SCS=30kHz CP_QPSK BW=20MHz Channel=167800 RB=51@0


Spectrum Analyzer 1
Occupied BW
KEYSIGHT
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corr CCorr
Freq Ref: Int (S)
Atten: 40 dB
Trig: Free Run
Gate: Off
#IF Gain: Low
Center Freq: 839.000000 MHz
Avg|Hold: 200/200
Radio Std: None
1 Graph
Ref Lvl Offset 6.62 dB
Scale/Div 10.0 dB
Ref Value 40.00 dBm
Log
30.0
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
Center 839.00 MHz
#Res BW 430.00 kHz
#Video BW 1.2000 MHz
Span 40 MHz
Sweep 1.00 ms (1001 pts)
2 Metrics
Occupied Bandwidth
18.321 MHz
Total Power
26.5 dBm
Transmit Freq Error
-10.381 kHz
% of OBW Power
99.00 %
x dB Bandwidth
19.33 MHz
x dB
-26.00 dB
Feb 07, 2025
4:24:46 AM

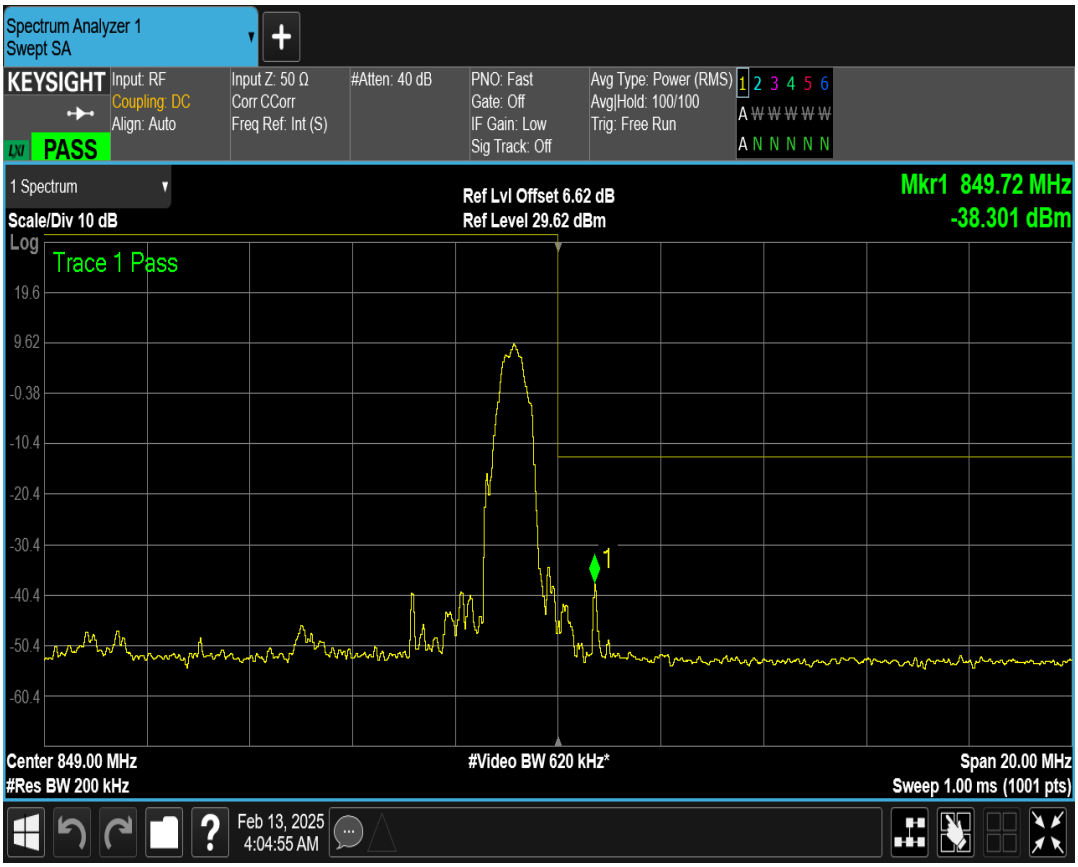
5 Band edge for NR FR1

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
n5	30	10	165800	24@0	DFT_QPSK	822.70	-41.41	-13	PASS
n5	30	10	165800	1@0	DFT_QPSK	824.00	-34.46	-13	PASS
n5	30	10	168800	24@0	DFT_QPSK	849.02	-45.68	-13	PASS
n5	30	10	168800	1@23	DFT_QPSK	849.72	-38.30	-13	PASS
n5	30	20	166800	50@0	DFT_QPSK	823.64	-40.58	-13	PASS
n5	30	20	166800	1@0	DFT_QPSK	823.28	-44.70	-13	PASS
n5	30	20	167800	50@0	DFT_QPSK	849.48	-43.11	-13	PASS
n5	30	20	167800	1@50	DFT_QPSK	849.00	-42.64	-13	PASS

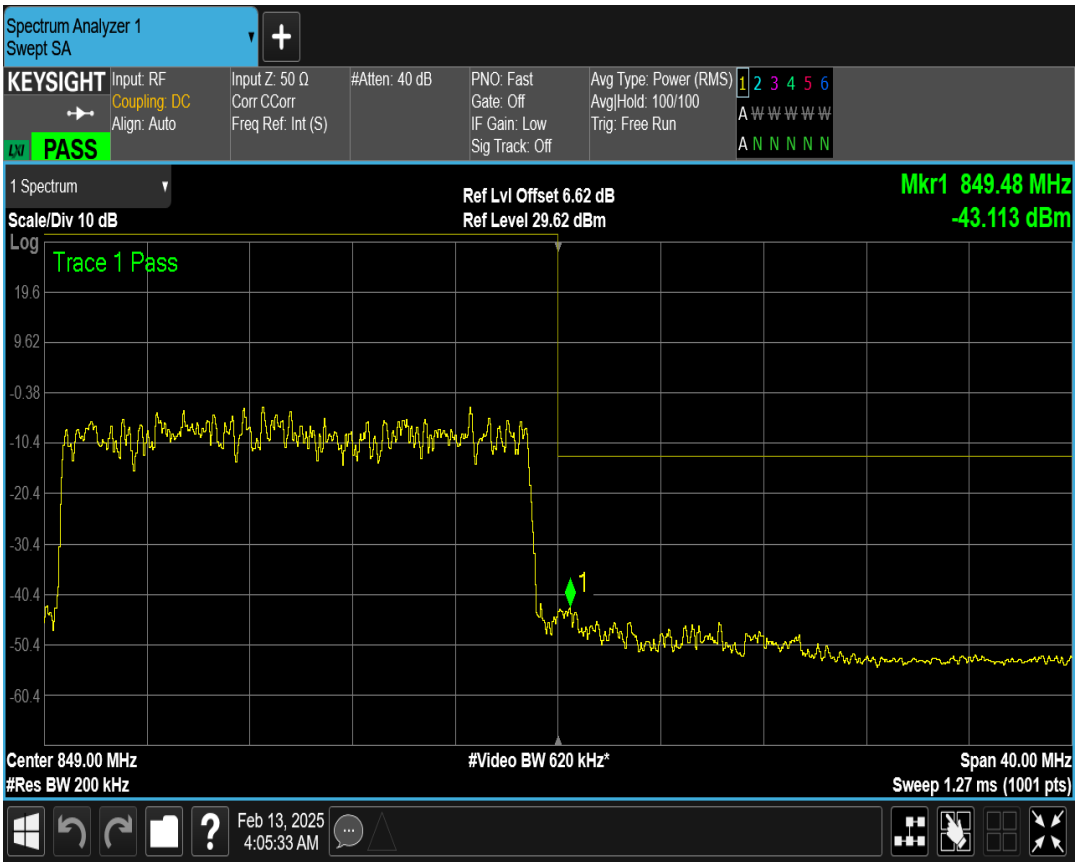
n5 SCS=30kHz DFT_QPSK BW=10MHz Channel=168800 RB=24@0



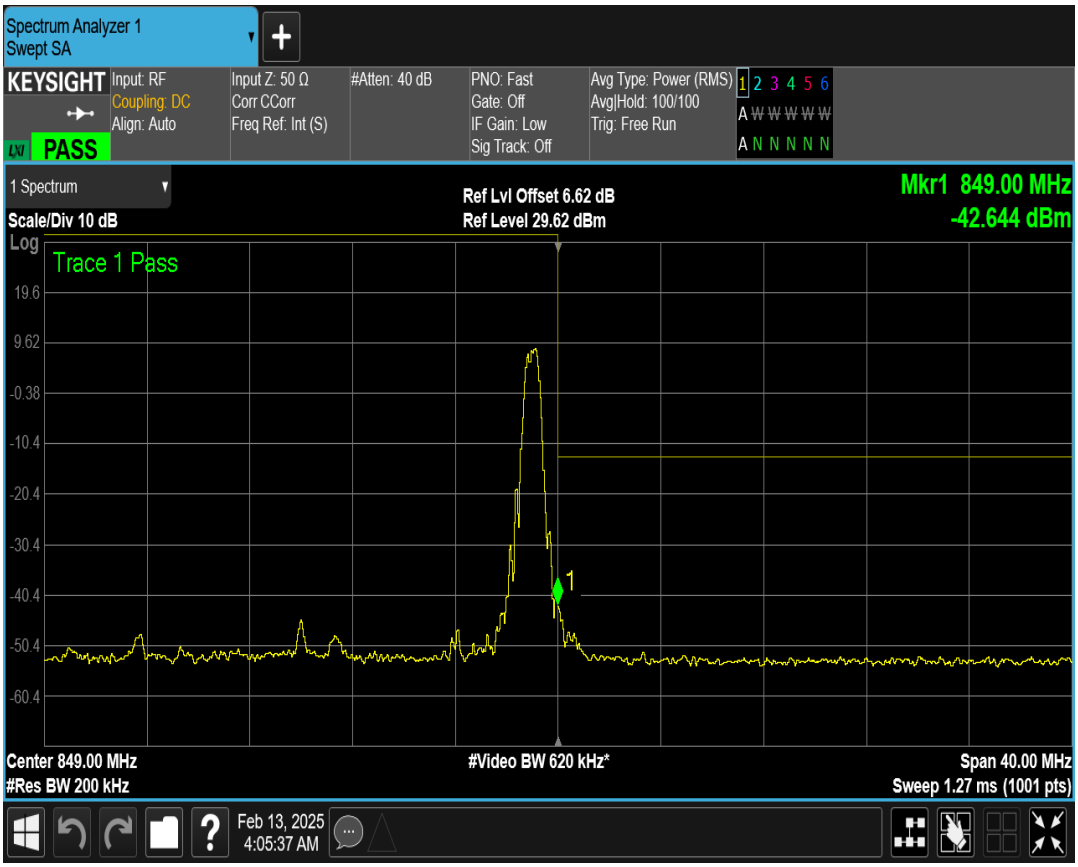
n5 SCS=30kHz DFT_QPSK BW=10MHz Channel=168800 RB=1@23



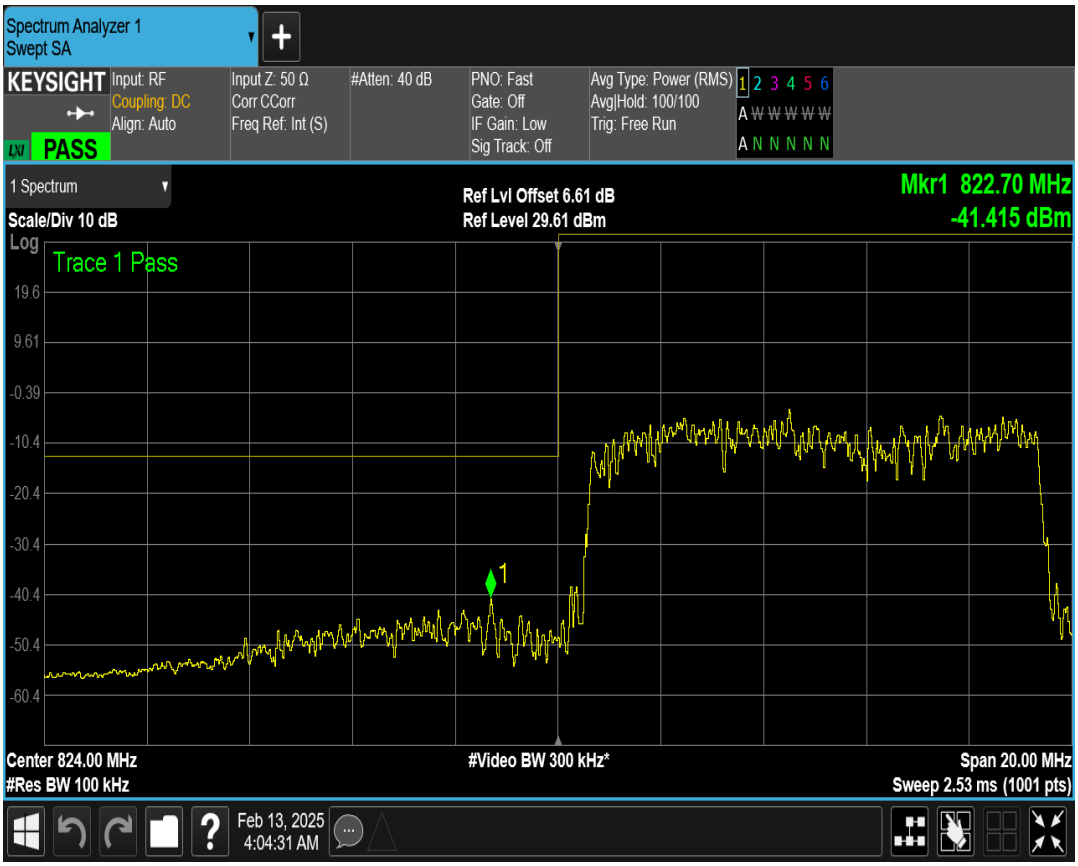
n5 SCS=30kHz DFT_QPSK BW=20MHz Channel=167800 RB=50@0



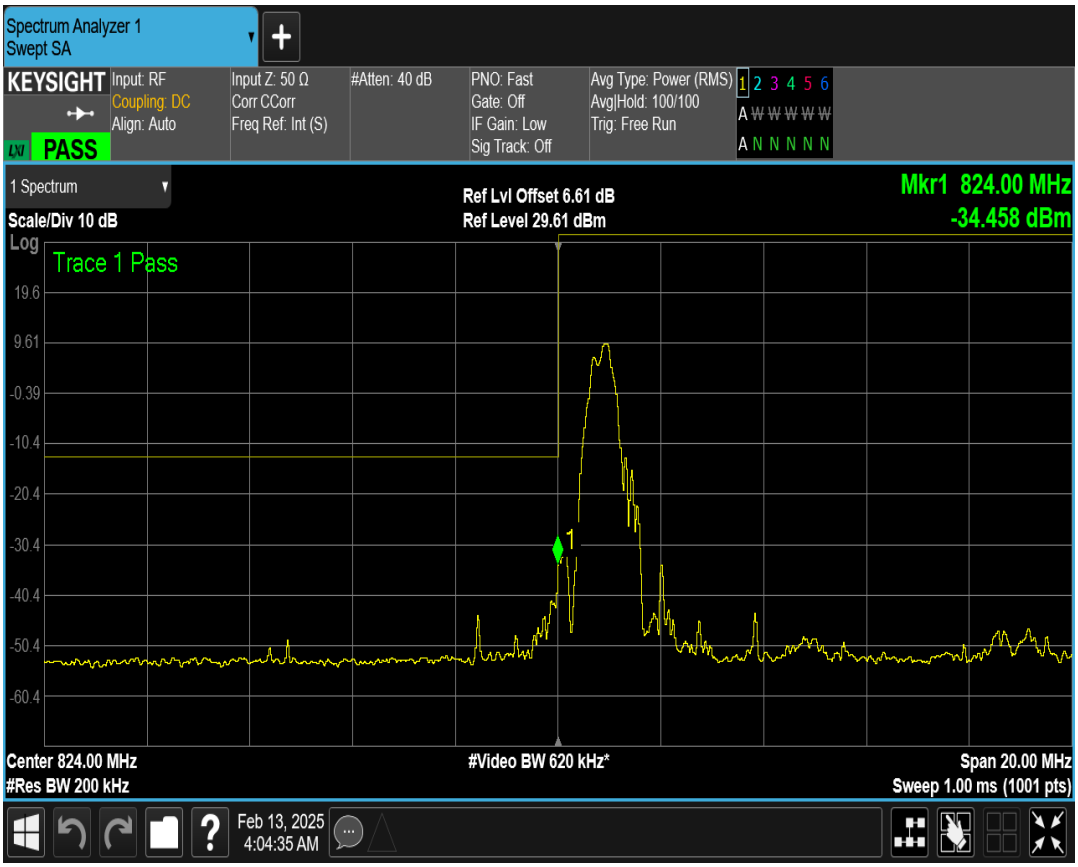
n5 SCS=30kHz DFT_QPSK BW=20MHz Channel=167800 RB=1@50



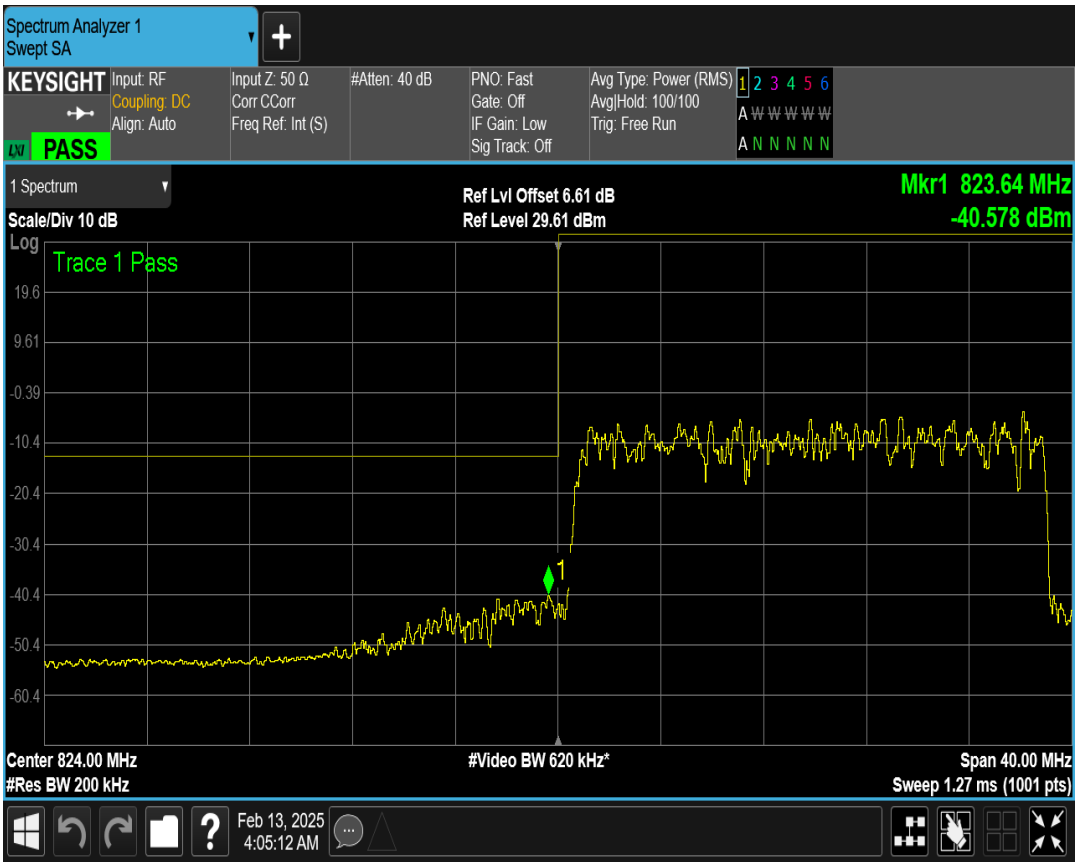
n5 SCS=30kHz DFT_QPSK BW=10MHz Channel=165800 RB=24@0



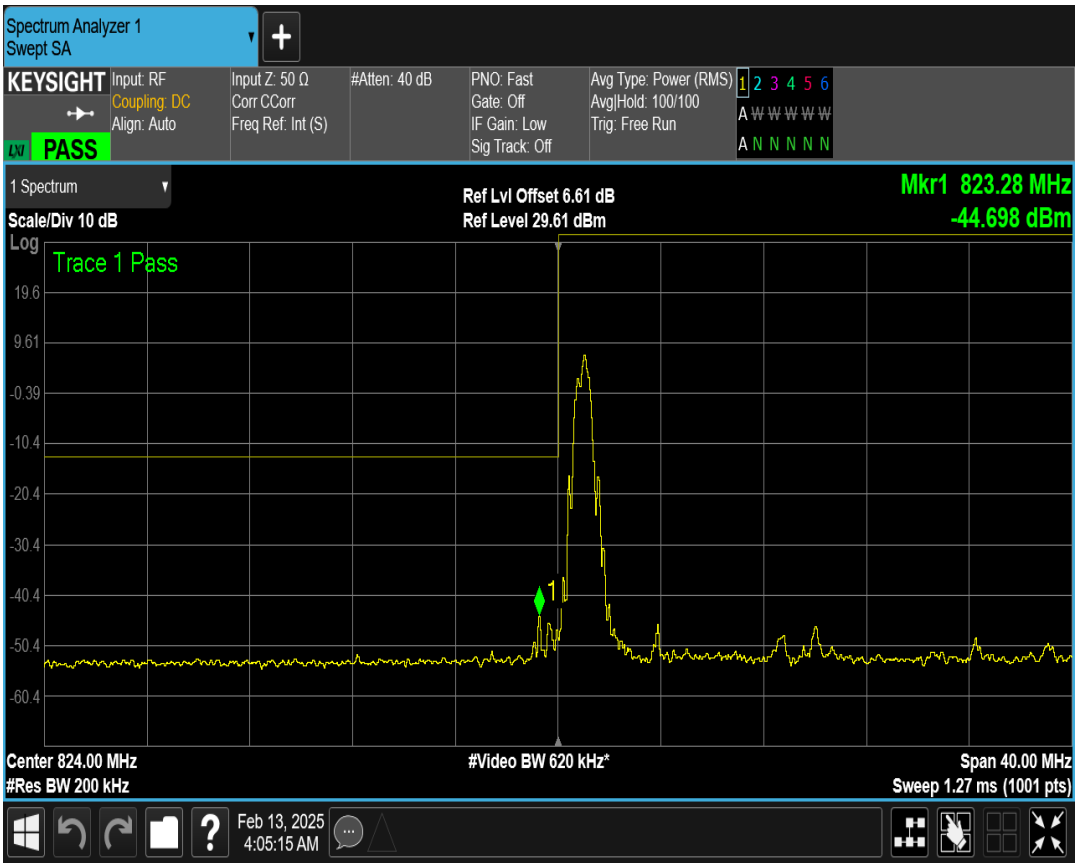
n5 SCS=30kHz DFT_QPSK BW=10MHz Channel=165800 RB=1@0



n5 SCS=30kHz DFT_QPSK BW=20MHz Channel=166800 RB=50@0



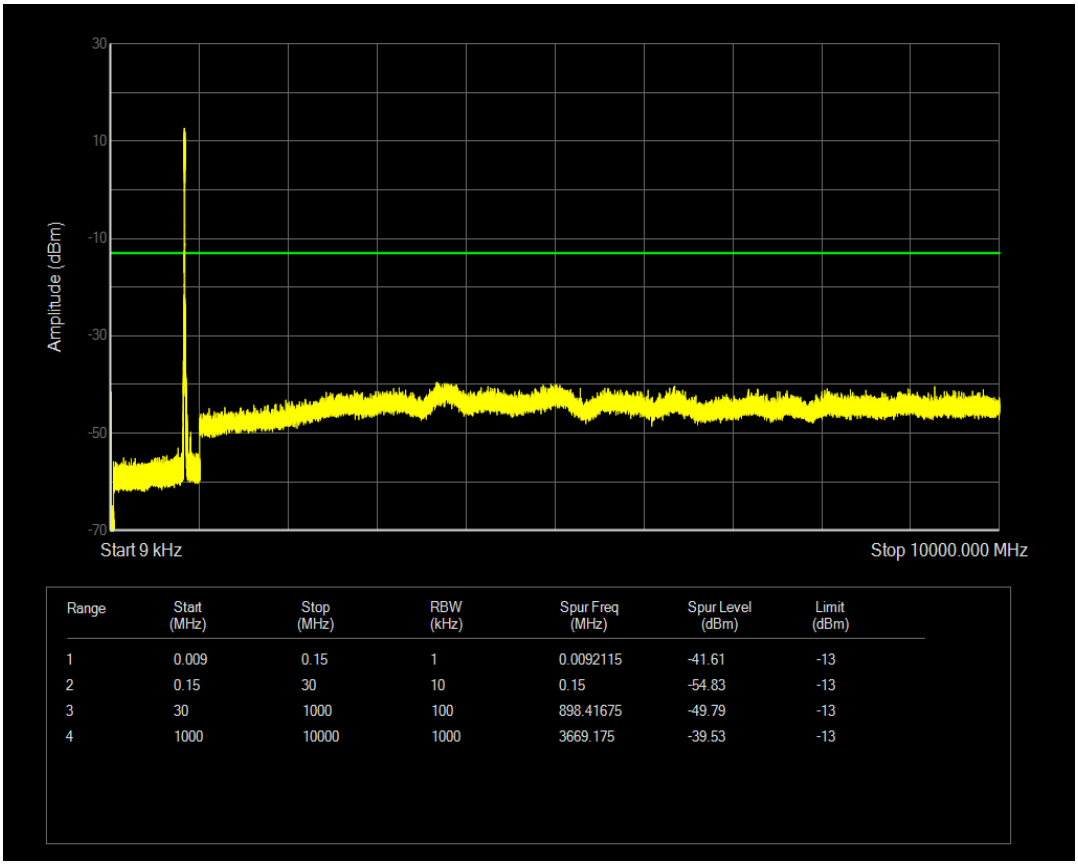
n5 SCS=30kHz DFT_QPSK BW=20MHz Channel=166800 RB=1@0


Spectrum Analyzer 1
Swept SA
KEYSIGHT
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corr CCorr
Freq Ref: Int (S)
#Atten: 40 dB
PNO: Fast
Gate: Off
IF Gain: Low
Sig Track: Off
Avg Type: Power (RMS)
Avg|Hold: 100/100
Trig: Free Run
PASS
1 Spectrum
Scale/Div 10 dB
Log
Trace 1 Pass
Ref Lvl Offset 6.61 dB
Ref Level 29.61 dBm
Mkr1 823.28 MHz
-44.698 dBm
19.6
9.61
-0.39
-10.4
-20.4
-30.4
-40.4
-50.4
-60.4
Center 824.00 MHz
#Res BW 200 kHz
#Video BW 620 kHz*
Span 40.00 MHz
Sweep 1.27 ms (1001 pts)
Feb 13, 2025
4:05:15 AM

6 Out-of-band emissions for NR FR1

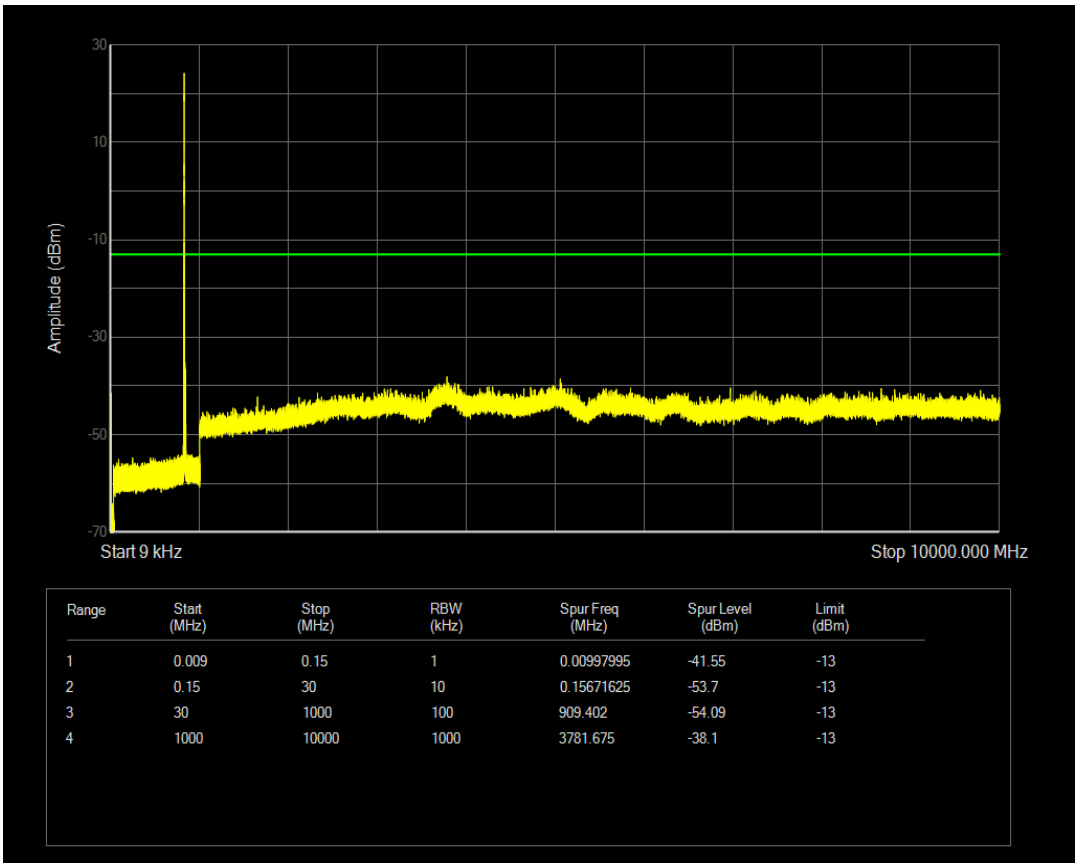
Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
n5	30	10	165800	24@0	DFT_QPSK	3669.18	-39.53	-13	PASS
n5	30	10	165800	1@0	DFT_QPSK	3781.68	-38.10	-13	PASS
n5	30	10	165800	1@23	DFT_QPSK	3655.68	-38.62	-13	PASS
n5	30	10	167300	24@0	DFT_QPSK	3793.83	-38.73	-13	PASS
n5	30	10	167300	1@0	DFT_QPSK	3799.68	-38.89	-13	PASS
n5	30	10	167300	1@23	DFT_QPSK	4944.70	-38.60	-13	PASS
n5	30	10	168800	24@0	DFT_QPSK	3824.43	-38.96	-13	PASS
n5	30	10	168800	1@0	DFT_QPSK	5054.73	-38.82	-13	PASS
n5	30	10	168800	1@23	DFT_QPSK	5075.20	-38.83	-13	PASS
n5	30	20	166800	50@0	DFT_QPSK	3793.83	-38.07	-13	PASS
n5	30	20	166800	1@0	DFT_QPSK	3787.53	-38.79	-13	PASS
n5	30	20	166800	1@50	DFT_QPSK	3756.70	-38.88	-13	PASS
n5	30	20	167300	50@0	DFT_QPSK	5025.48	-39.04	-13	PASS
n5	30	20	167300	1@0	DFT_QPSK	2474.43	-37.58	-13	PASS
n5	30	20	167300	1@50	DFT_QPSK	5003.88	-39.28	-13	PASS
n5	30	20	167800	50@0	DFT_QPSK	3768.18	-39.14	-13	PASS
n5	30	20	167800	1@0	DFT_QPSK	3768.18	-38.82	-13	PASS
n5	30	20	167800	1@50	DFT_QPSK	5032.00	-39.24	-13	PASS

n5 SCS=30kHz DFT_QPSK BW=10MHz Channel=165800 RB=24@0



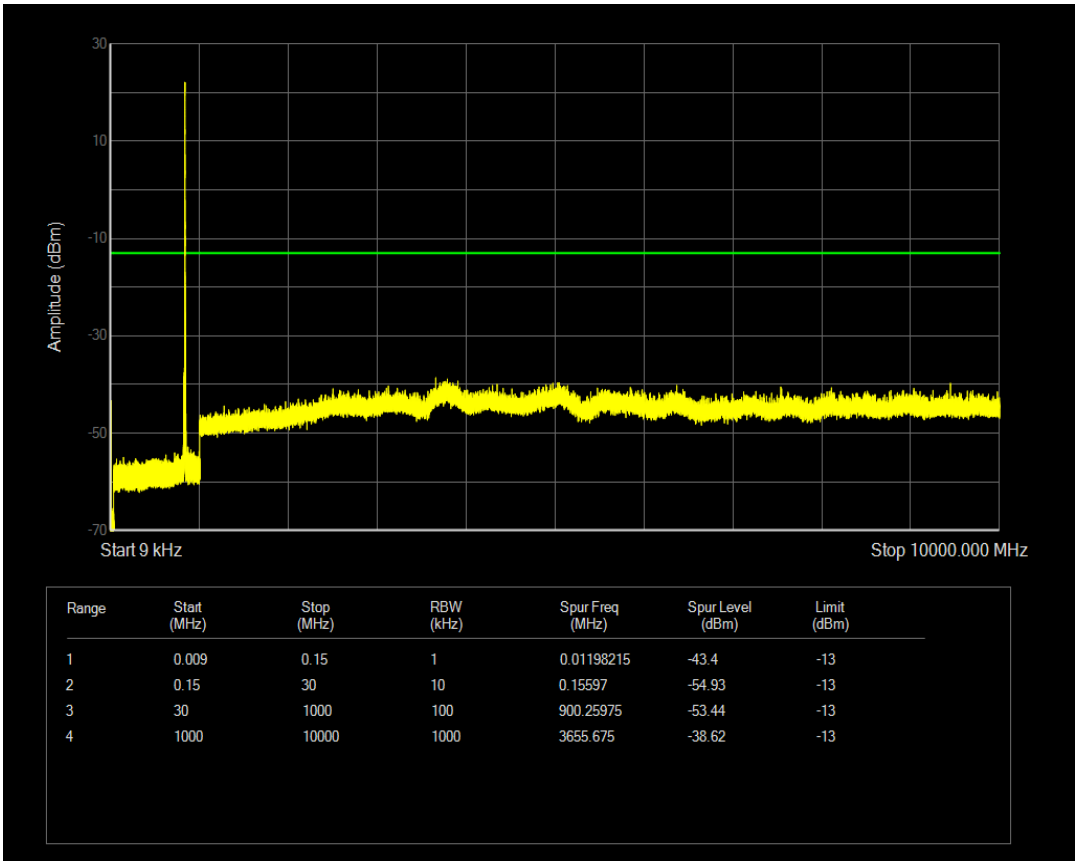
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0092115	-41.61	-13
2	0.15	30	10	0.15	-54.83	-13
3	30	1000	100	898.41675	-49.79	-13
4	1000	10000	1000	3669.175	-39.53	-13

n5 SCS=30kHz DFT_QPSK BW=10MHz Channel=165800 RB=1@0



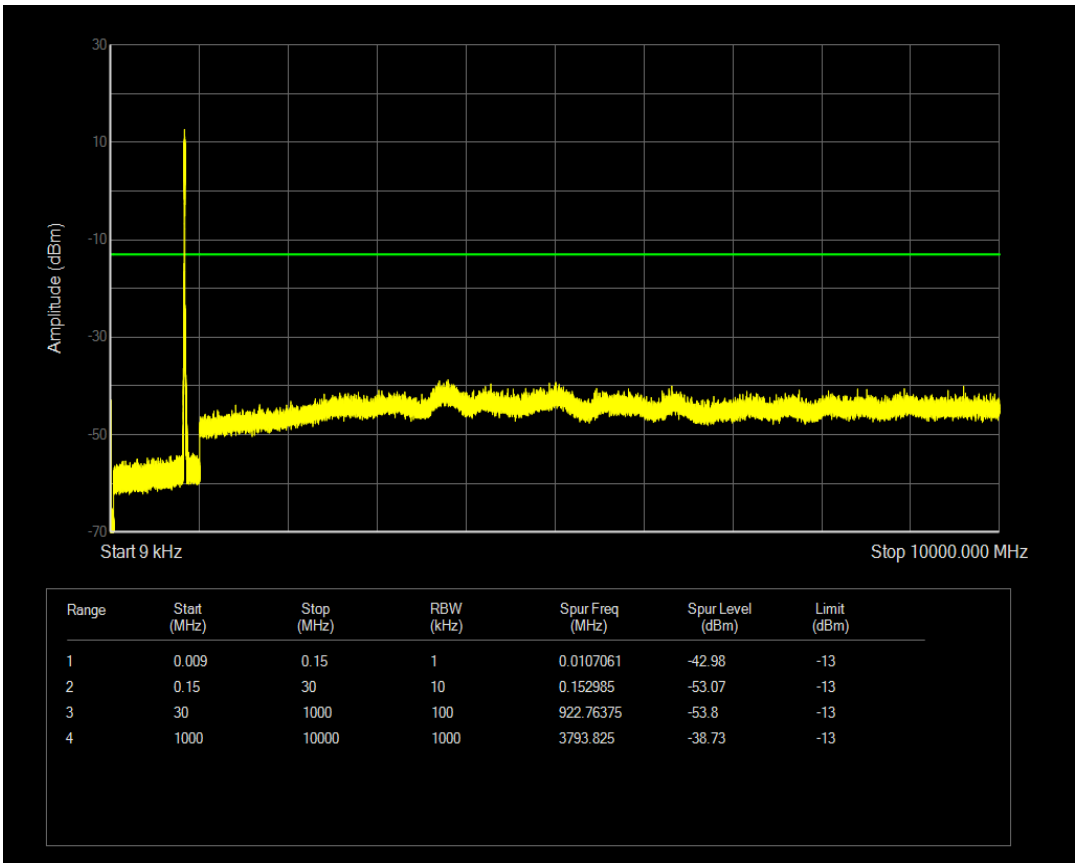
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.00997995	-41.55	-13
2	0.15	30	10	0.15671625	-53.7	-13
3	30	1000	100	909.402	-54.09	-13
4	1000	10000	1000	3781.675	-38.1	-13

n5 SCS=30kHz DFT_QPSK BW=10MHz Channel=165800 RB=1@23



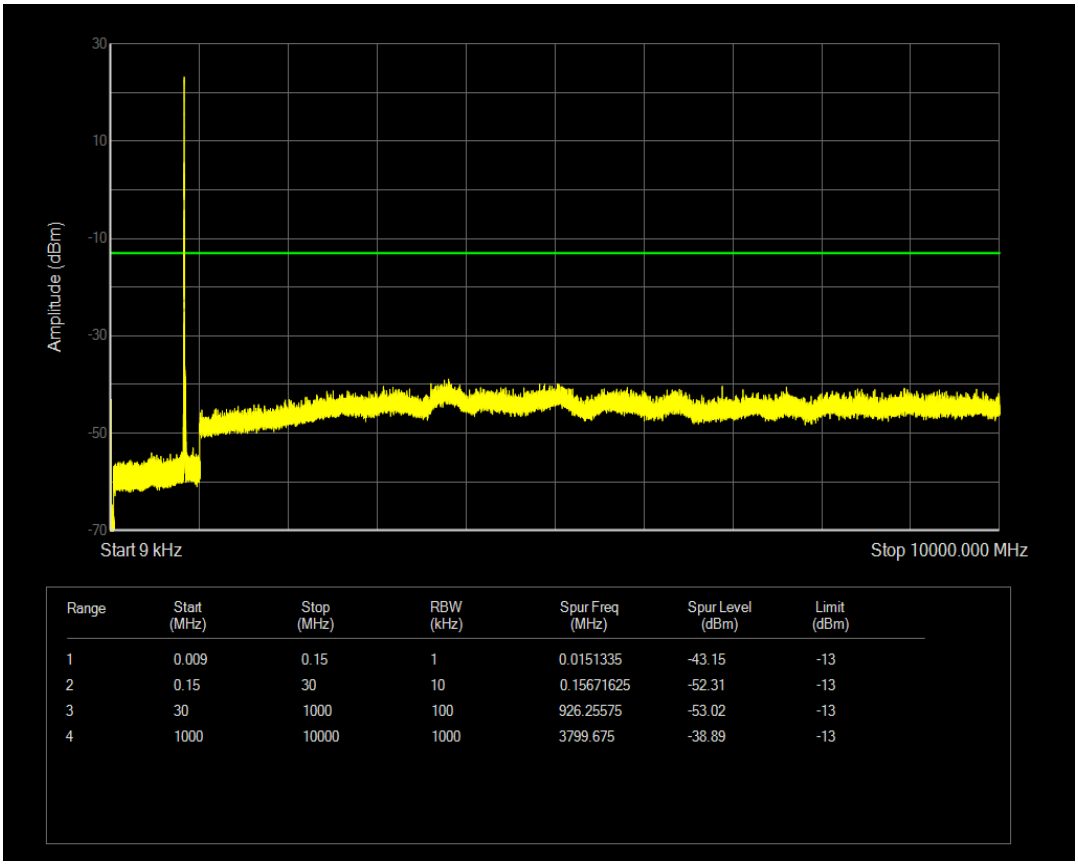
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01198215	-43.4	-13
2	0.15	30	10	0.15597	-54.93	-13
3	30	1000	100	900.25975	-53.44	-13
4	1000	10000	1000	3655.675	-38.62	-13

n5 SCS=30kHz DFT_QPSK BW=10MHz Channel=167300 RB=24@0



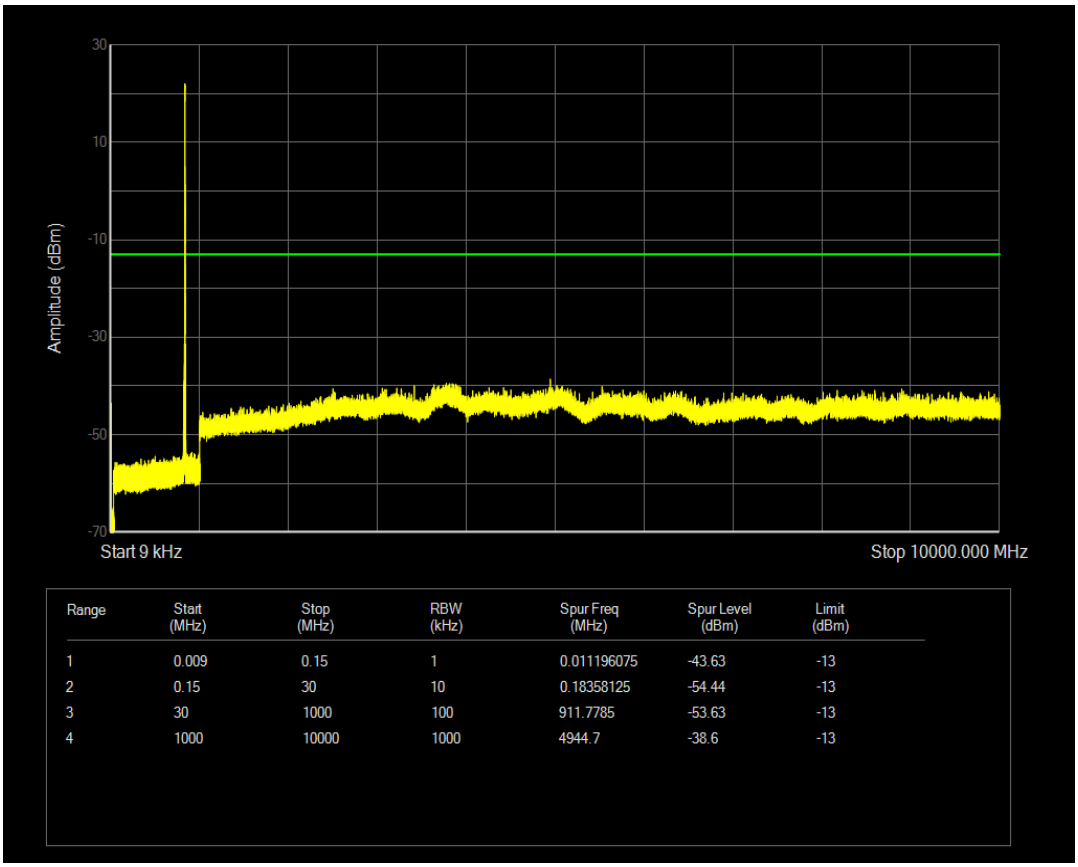
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0107061	-42.98	-13
2	0.15	30	10	0.152985	-53.07	-13
3	30	1000	100	922.76375	-53.8	-13
4	1000	10000	1000	3793.825	-38.73	-13

n5 SCS=30kHz DFT_QPSK BW=10MHz Channel=167300 RB=1@0



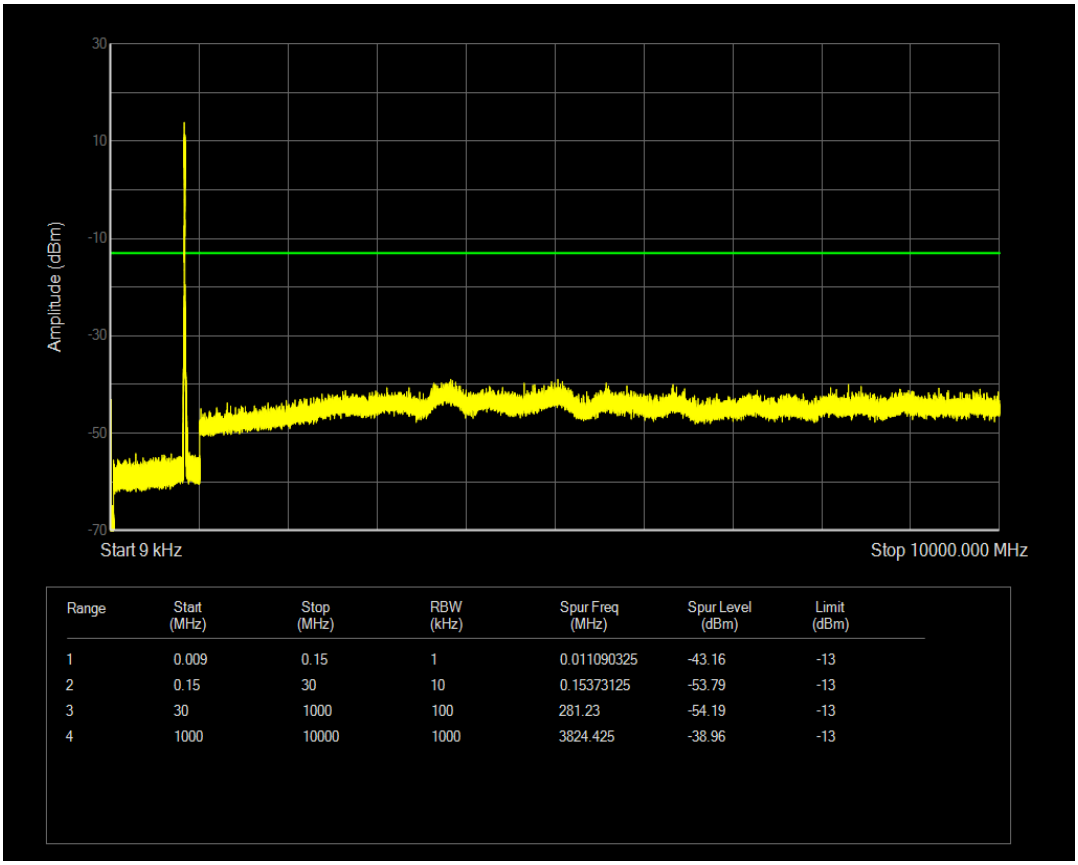
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0151335	-43.15	-13
2	0.15	30	10	0.15671625	-52.31	-13
3	30	1000	100	926.25575	-53.02	-13
4	1000	10000	1000	3799.675	-38.89	-13

n5 SCS=30kHz DFT_QPSK BW=10MHz Channel=167300 RB=1@23



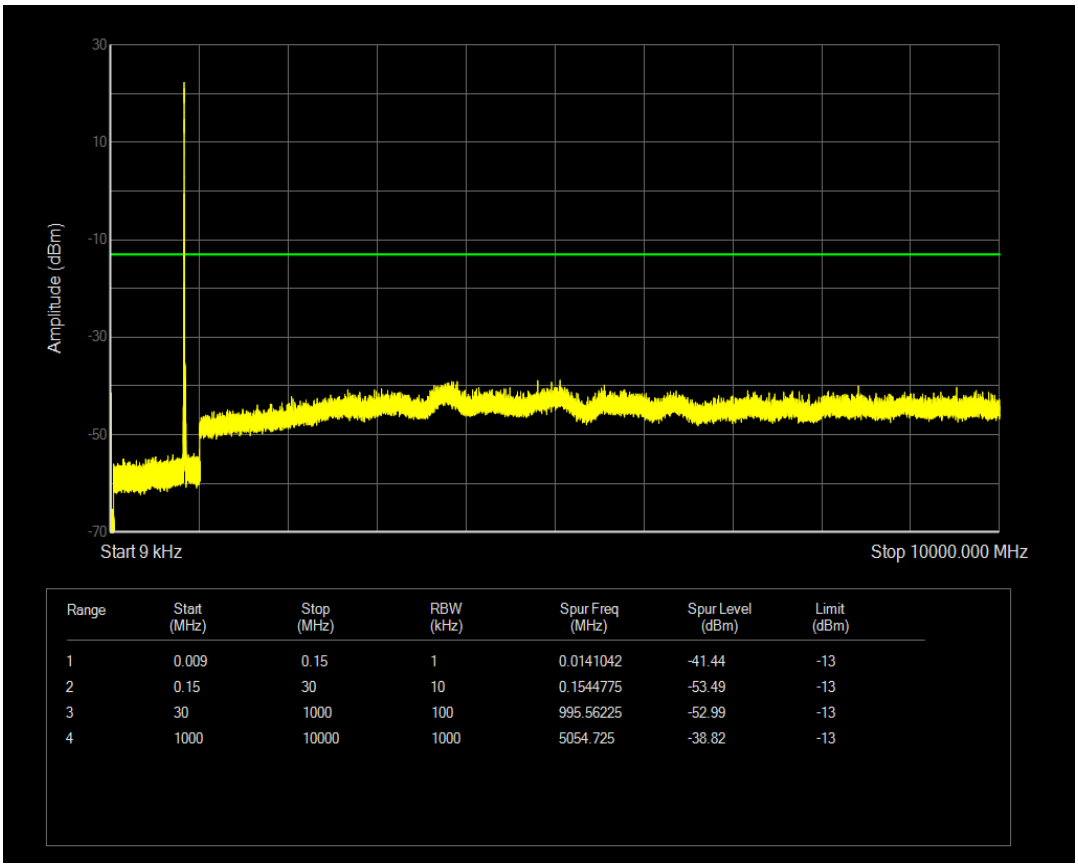
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.011196075	-43.63	-13
2	0.15	30	10	0.18358125	-54.44	-13
3	30	1000	100	911.7785	-53.63	-13
4	1000	10000	1000	4944.7	-38.6	-13

n5 SCS=30kHz DFT_QPSK BW=10MHz Channel=168800 RB=24@0



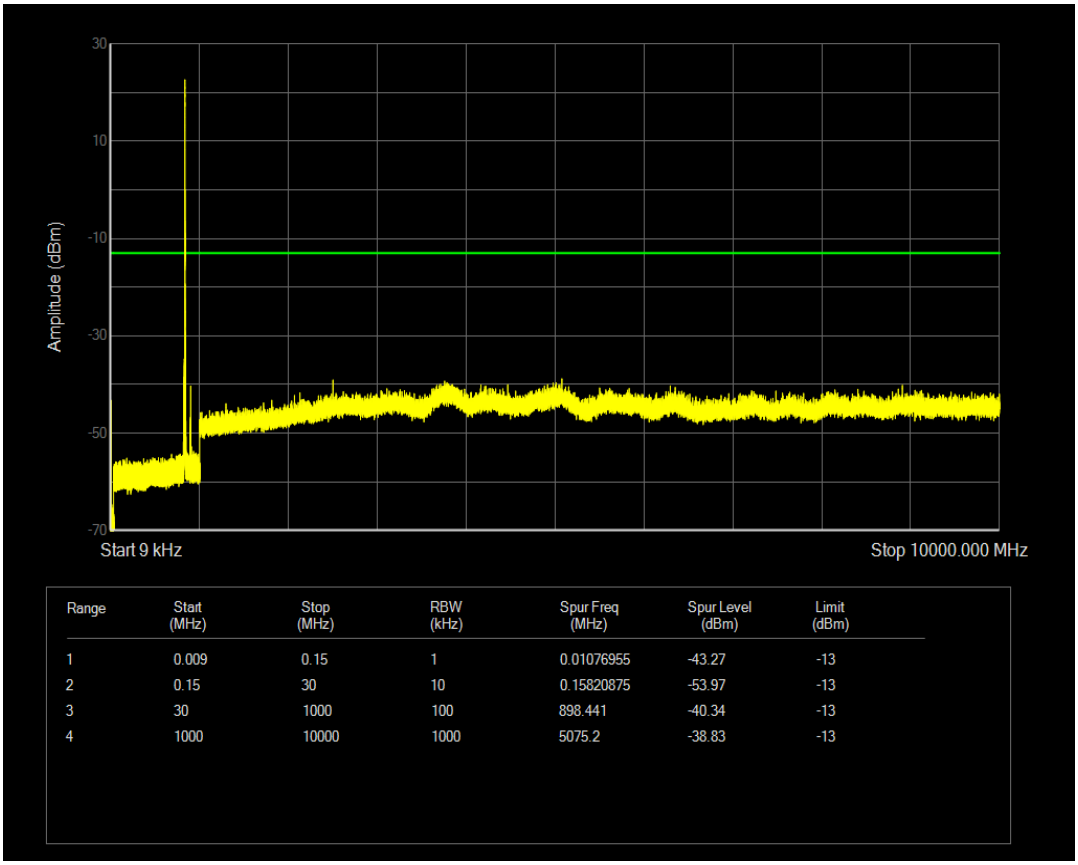
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.011090325	-43.16	-13
2	0.15	30	10	0.15373125	-53.79	-13
3	30	1000	100	281.23	-54.19	-13
4	1000	10000	1000	3824.425	-38.96	-13

n5 SCS=30kHz DFT_QPSK BW=10MHz Channel=168800 RB=1@0



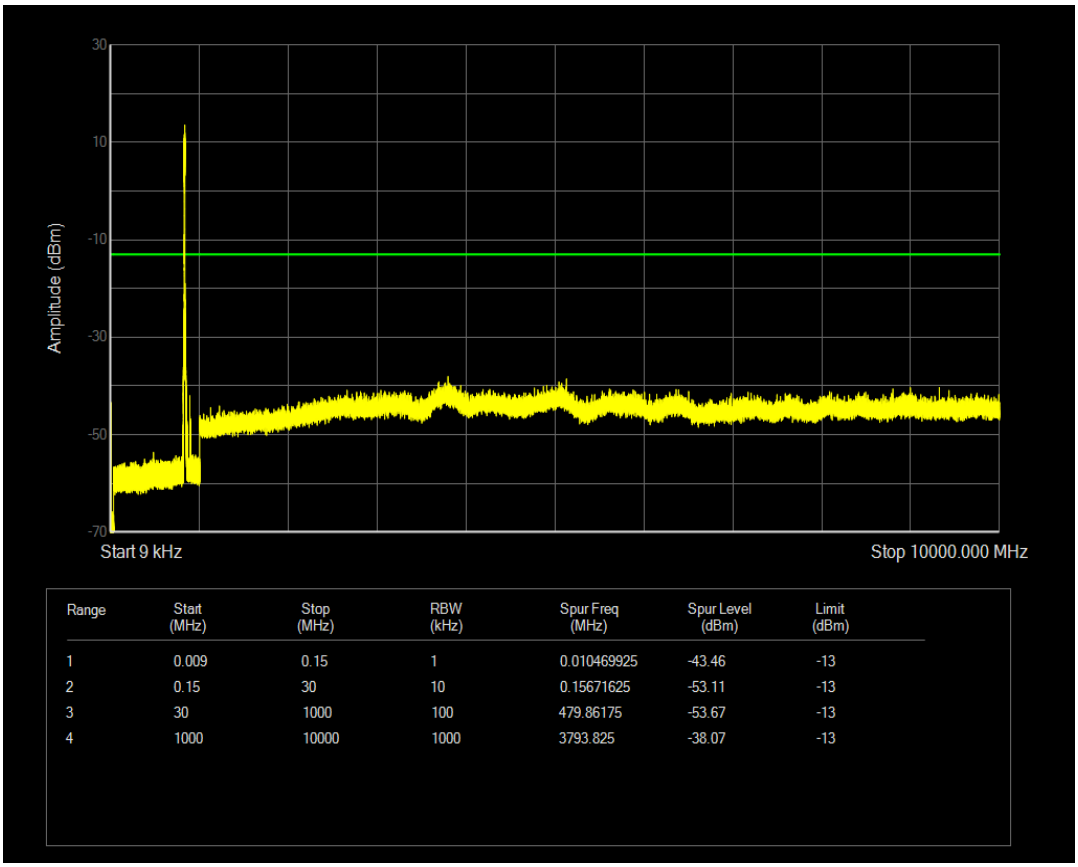
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0141042	-41.44	-13
2	0.15	30	10	0.1544775	-53.49	-13
3	30	1000	100	995.56225	-52.99	-13
4	1000	10000	1000	5054.725	-38.82	-13

n5 SCS=30kHz DFT_QPSK BW=10MHz Channel=168800 RB=1@23



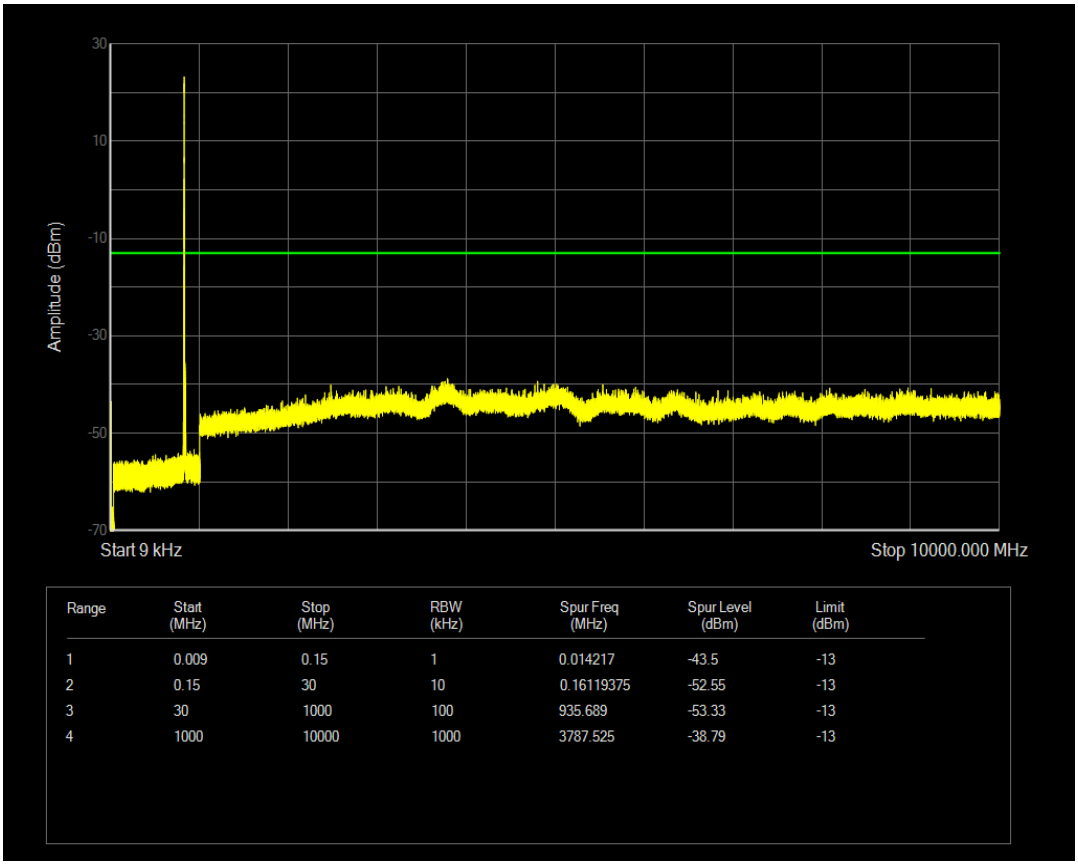
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01076955	-43.27	-13
2	0.15	30	10	0.15820875	-53.97	-13
3	30	1000	100	898.441	-40.34	-13
4	1000	10000	1000	5075.2	-38.83	-13

n5 SCS=30kHz DFT_QPSK BW=20MHz Channel=166800 RB=50@0



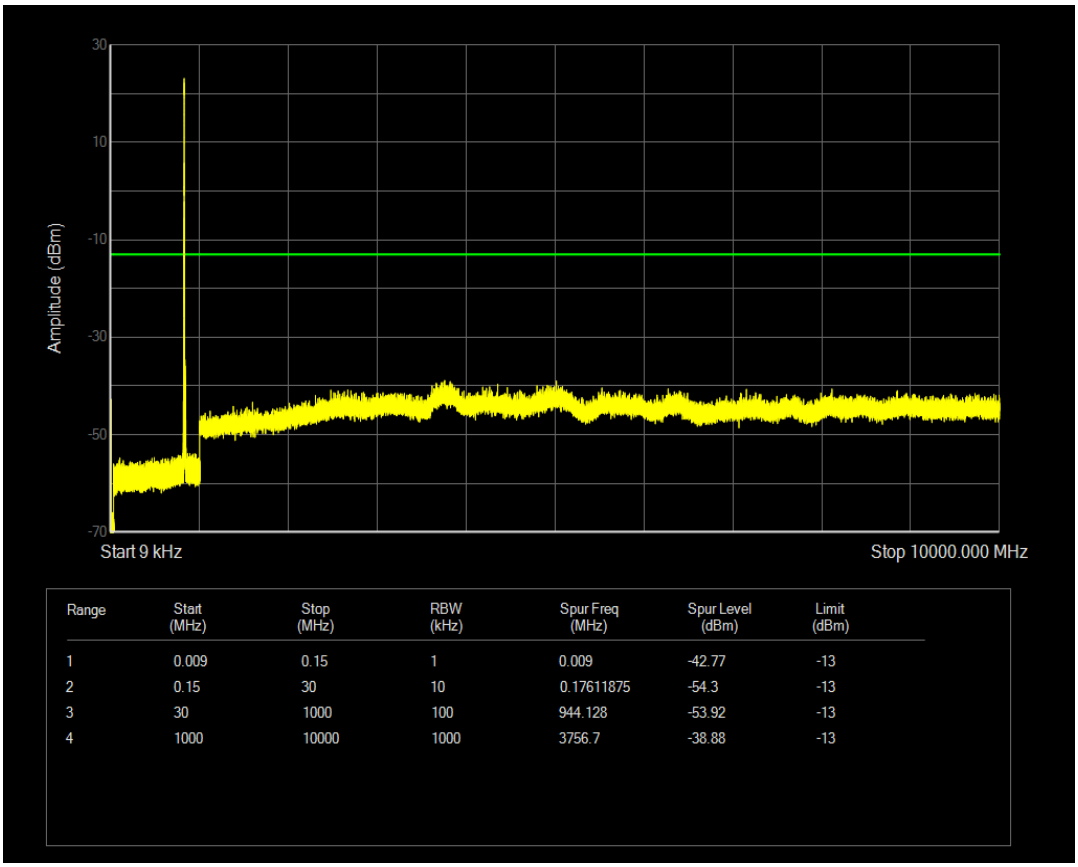
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.010469925	-43.46	-13
2	0.15	30	10	0.15671625	-53.11	-13
3	30	1000	100	479.86175	-53.67	-13
4	1000	10000	1000	3793.825	-38.07	-13

n5 SCS=30kHz DFT_QPSK BW=20MHz Channel=166800 RB=1@0



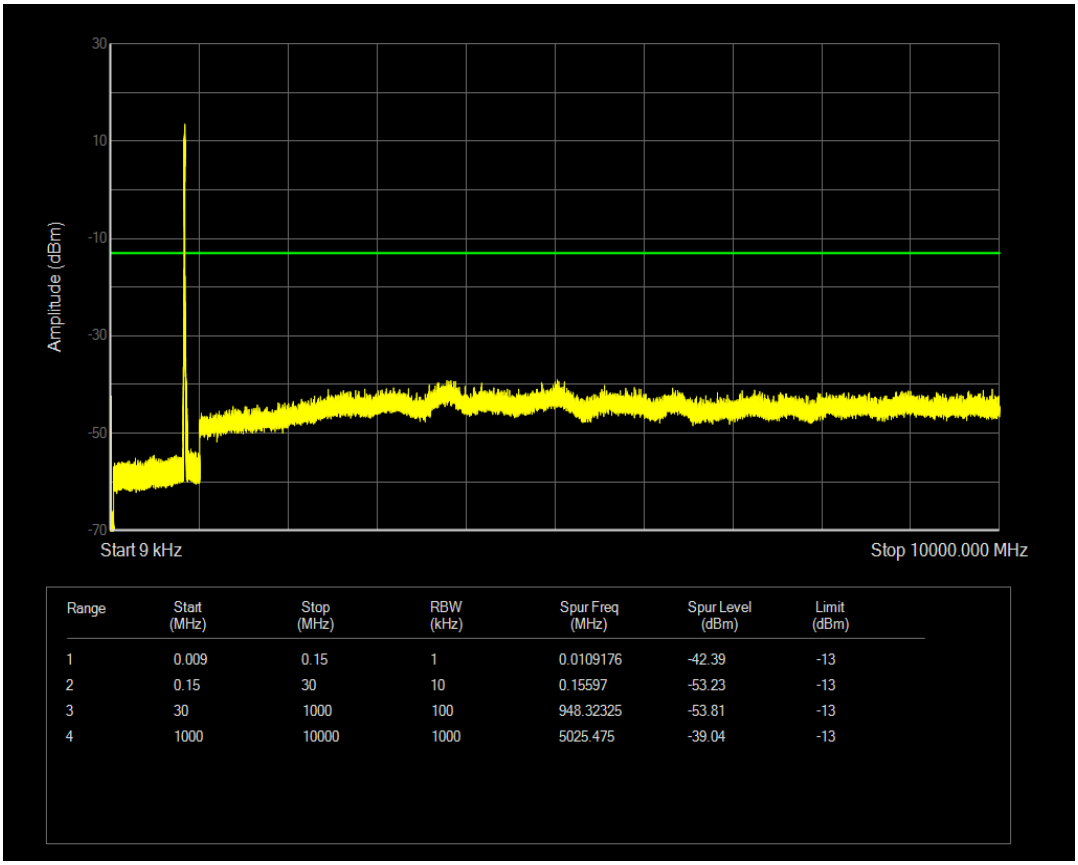
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.014217	-43.5	-13
2	0.15	30	10	0.16119375	-52.55	-13
3	30	1000	100	935.689	-53.33	-13
4	1000	10000	1000	3787.525	-38.79	-13

n5 SCS=30kHz DFT_QPSK BW=20MHz Channel=166800 RB=1@50



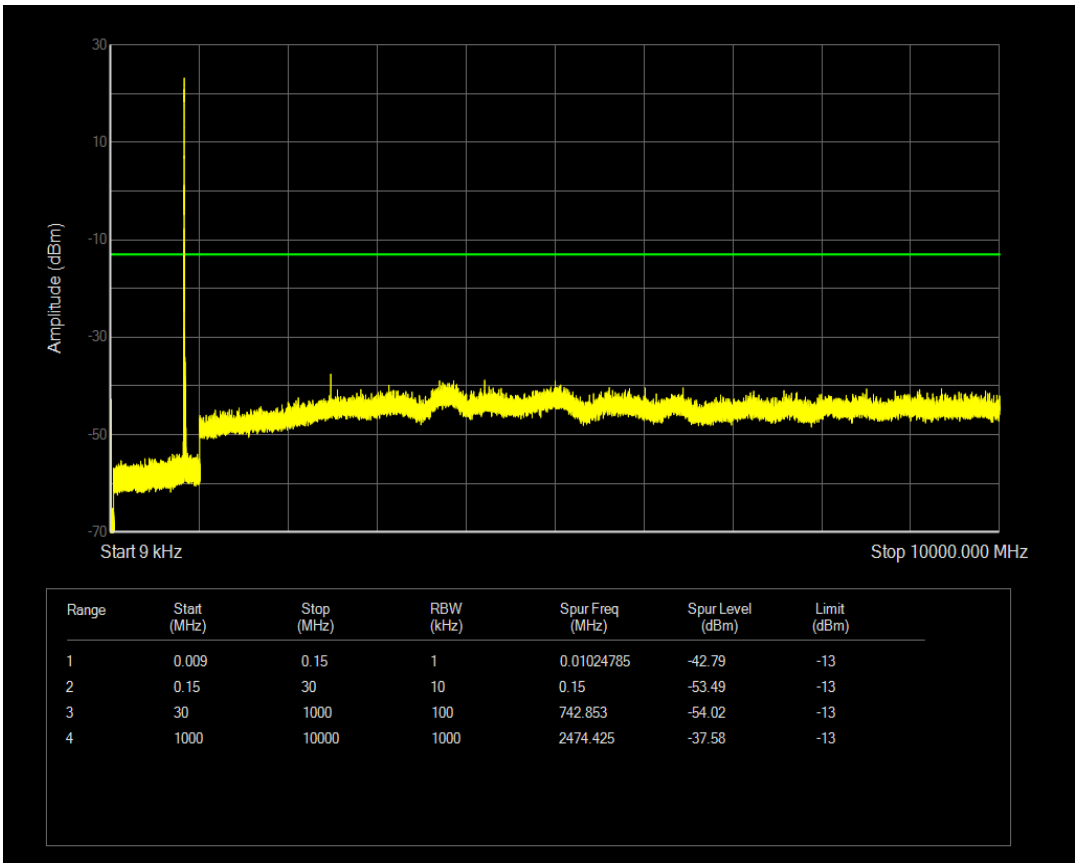
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009	-42.77	-13
2	0.15	30	10	0.17611875	-54.3	-13
3	30	1000	100	944.128	-53.92	-13
4	1000	10000	1000	3756.7	-38.88	-13

n5 SCS=30kHz DFT_QPSK BW=20MHz Channel=167300 RB=50@0



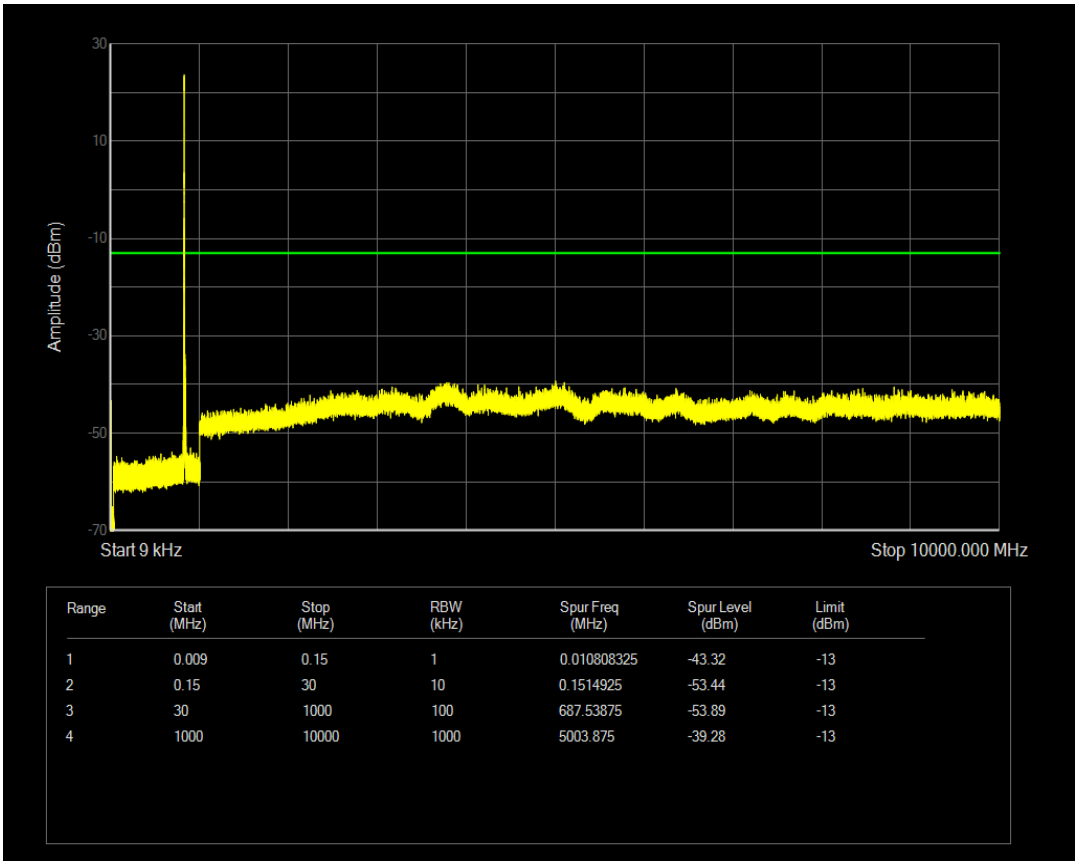
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0109176	-42.39	-13
2	0.15	30	10	0.15597	-53.23	-13
3	30	1000	100	948.32325	-53.81	-13
4	1000	10000	1000	5025.475	-39.04	-13

n5 SCS=30kHz DFT_QPSK BW=20MHz Channel=167300 RB=1@0



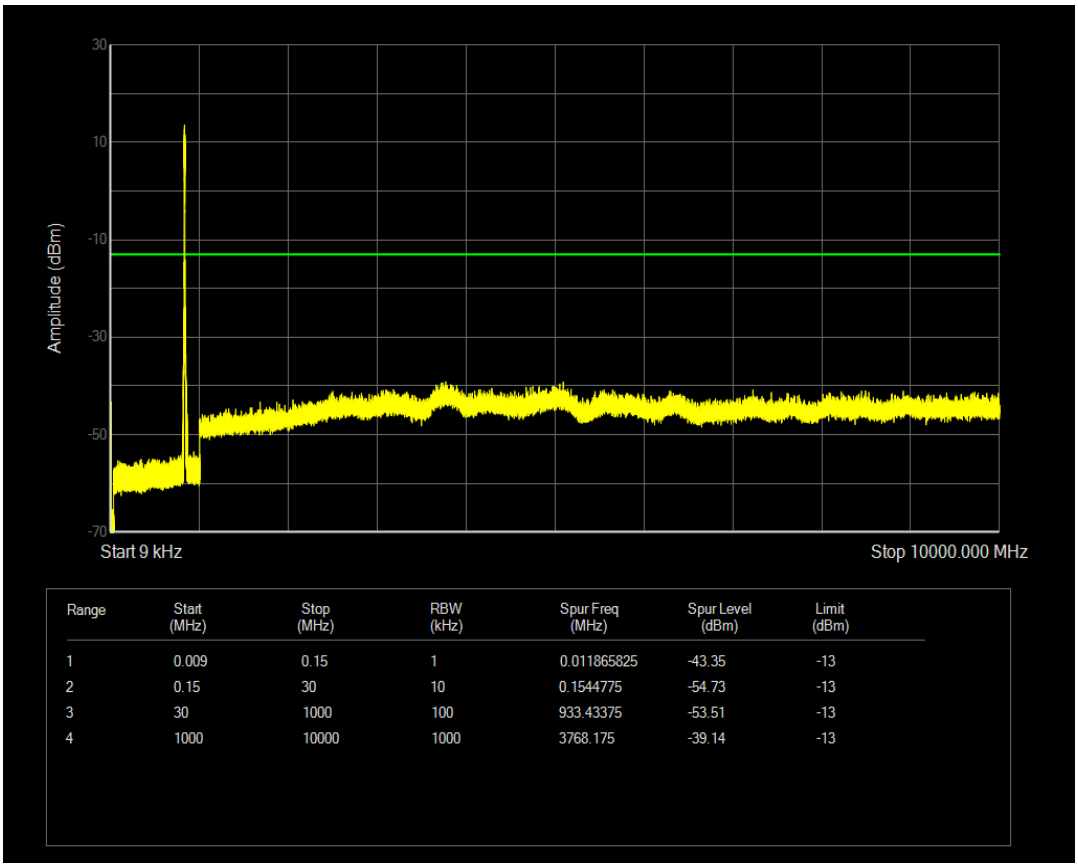
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01024785	-42.79	-13
2	0.15	30	10	0.15	-53.49	-13
3	30	1000	100	742.853	-54.02	-13
4	1000	10000	1000	2474.425	-37.58	-13

n5 SCS=30kHz DFT_QPSK BW=20MHz Channel=167300 RB=1@50



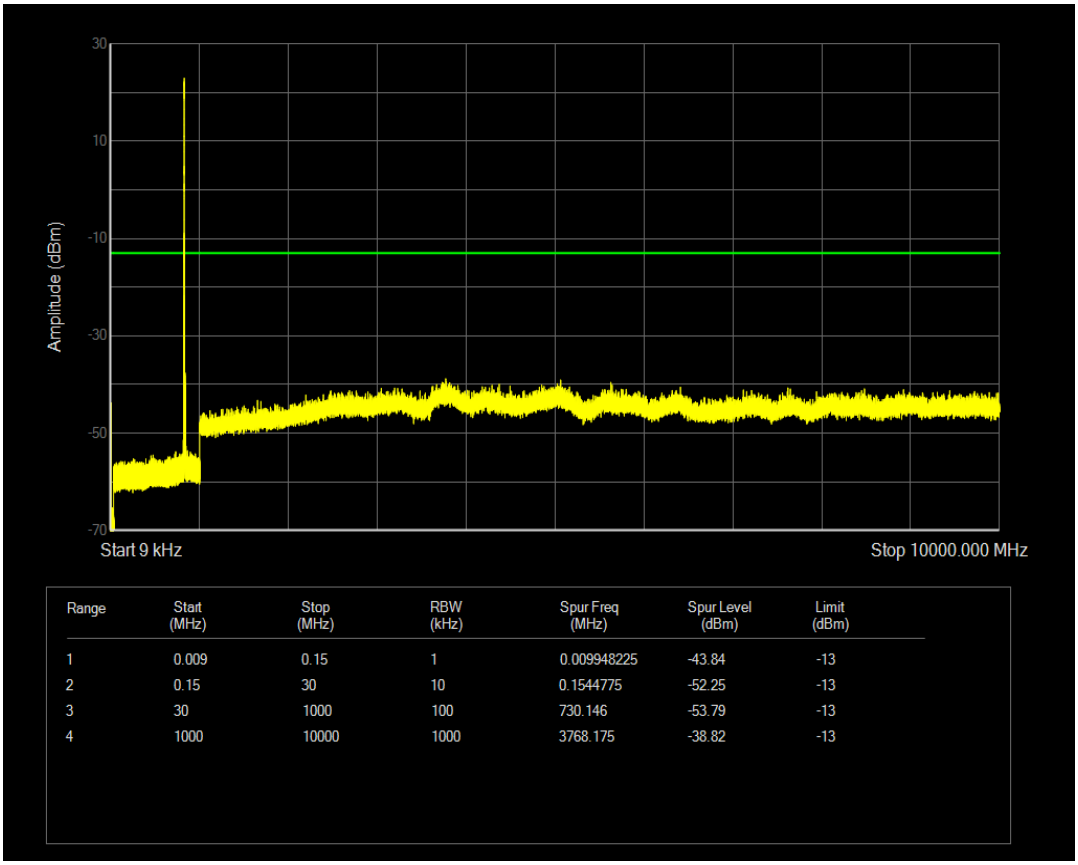
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.010808325	-43.32	-13
2	0.15	30	10	0.1514925	-53.44	-13
3	30	1000	100	687.53875	-53.89	-13
4	1000	10000	1000	5003.875	-39.28	-13

n5 SCS=30kHz DFT_QPSK BW=20MHz Channel=167800 RB=50@0



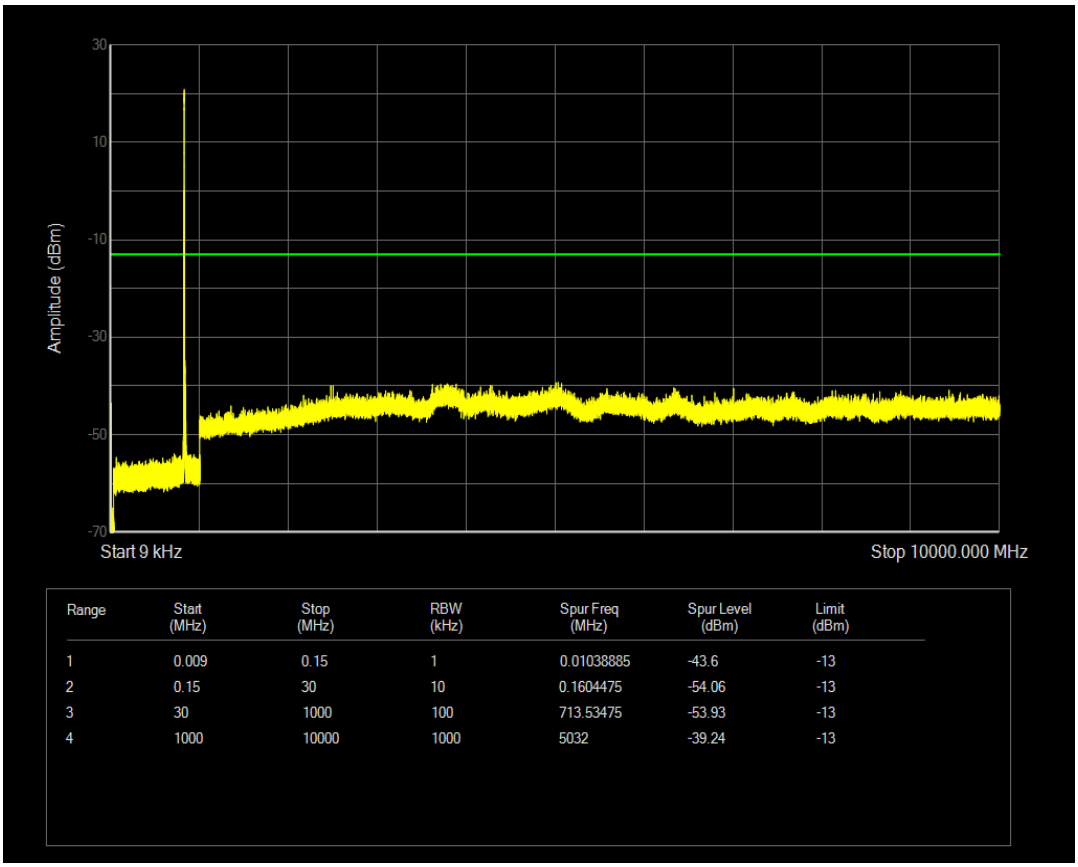
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.011865825	-43.35	-13
2	0.15	30	10	0.1544775	-54.73	-13
3	30	1000	100	933.43375	-53.51	-13
4	1000	10000	1000	3768.175	-39.14	-13

n5 SCS=30kHz DFT_QPSK BW=20MHz Channel=167800 RB=1@0



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009948225	-43.84	-13
2	0.15	30	10	0.1544775	-52.25	-13
3	30	1000	100	730.146	-53.79	-13
4	1000	10000	1000	3768.175	-38.82	-13

n5 SCS=30kHz DFT_QPSK BW=20MHz Channel=167800 RB=1@50



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01038885	-43.6	-13
2	0.15	30	10	0.1604475	-54.06	-13
3	30	1000	100	713.53475	-53.93	-13
4	1000	10000	1000	5032	-39.24	-13