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
n12	15	5	140300	12@6	DFT_BPSK	23.87	-5.08	16.64	34.77	PASS
n12	15	5	140300	1@1	DFT_BPSK	23.86	-5.08	16.63	34.77	PASS
n12	15	5	140300	1@23	DFT_BPSK	23.86	-5.08	16.63	34.77	PASS
n12	15	5	140300	25@0	DFT_BPSK	23.41	-5.08	16.18	34.77	PASS
n12	15	5	140300	12@6	DFT_QPSK	23.86	-5.08	16.63	34.77	PASS
n12	15	5	140300	1@1	DFT_QPSK	23.84	-5.08	16.61	34.77	PASS
n12	15	5	140300	1@23	DFT_QPSK	23.8	-5.08	16.57	34.77	PASS
n12	15	5	140300	25@0	DFT_QPSK	22.9	-5.08	15.67	34.77	PASS
n12	15	5	140300	12@6	DFT_QAM16	22.92	-5.08	15.69	34.77	PASS
n12	15	5	140300	1@1	DFT_QAM16	23.29	-5.08	16.06	34.77	PASS
n12	15	5	140300	1@23	DFT_QAM16	23.25	-5.08	16.02	34.77	PASS
n12	15	5	140300	25@0	DFT_QAM16	21.96	-5.08	14.73	34.77	PASS
n12	15	5	140300	12@6	DFT_QAM64	21.58	-5.08	14.35	34.77	PASS
n12	15	5	140300	1@1	DFT_QAM64	21.4	-5.08	14.17	34.77	PASS
n12	15	5	140300	1@23	DFT_QAM64	21.27	-5.08	14.04	34.77	PASS
n12	15	5	140300	25@0	DFT_QAM64	21.49	-5.08	14.26	34.77	PASS
n12	15	5	140300	12@6	DFT_QAM256	19.46	-5.08	12.23	34.77	PASS
n12	15	5	140300	1@1	DFT_QAM256	19.55	-5.08	12.32	34.77	PASS
n12	15	5	140300	1@23	DFT_QAM256	19.55	-5.08	12.32	34.77	PASS
n12	15	5	140300	25@0	DFT_QAM256	19.39	-5.08	12.16	34.77	PASS
n12	15	5	140300	13@6	CP_QPSK	22.33	-5.08	15.1	34.77	PASS
n12	15	5	140300	1@1	CP_QPSK	22.33	-5.08	15.1	34.77	PASS
n12	15	5	140300	1@23	CP_QPSK	22.17	-5.08	14.94	34.77	PASS
n12	15	5	140300	25@0	CP_QPSK	20.88	-5.08	13.65	34.77	PASS
n12	15	5	140300	13@6	CP_QAM16	21.87	-5.08	14.64	34.77	PASS
n12	15	5	140300	1@1	CP_QAM16	21.83	-5.08	14.6	34.77	PASS
n12	15	5	140300	1@23	CP_QAM16	21.8	-5.08	14.57	34.77	PASS
n12	15	5	140300	25@0	CP_QAM16	20.95	-5.08	13.72	34.77	PASS
n12	15	5	140300	13@6	CP_QAM64	20.48	-5.08	13.25	34.77	PASS
n12	15	5	140300	1@1	CP_QAM64	20.24	-5.08	13.01	34.77	PASS
n12	15	5	140300	1@23	CP_QAM64	20.62	-5.08	13.39	34.77	PASS
n12	15	5	140300	25@0	CP_QAM64	20.49	-5.08	13.26	34.77	PASS
n12	15	5	140300	13@6	CP_QAM256	17.48	-5.08	10.25	34.77	PASS
n12	15	5	140300	1@1	CP_QAM256	17.12	-5.08	9.89	34.77	PASS
n12	15	5	140300	1@23	CP_QAM256	17.17	-5.08	9.94	34.77	PASS
n12	15	5	140300	25@0	CP_QAM256	17.48	-5.08	10.25	34.77	PASS
n12	15	5	141500	12@6	DFT_BPSK	23.96	-5.08	16.73	34.77	PASS
n12	15	5	141500	1@1	DFT_BPSK	23.89	-5.08	16.66	34.77	PASS

n12	15	5	141500	1@23	DFT_BPSK	23.91	-5.08	16.68	34.77	PASS
n12	15	5	141500	25@0	DFT_BPSK	23.44	-5.08	16.21	34.77	PASS
n12	15	5	141500	12@6	DFT_QPSK	23.91	-5.08	16.68	34.77	PASS
n12	15	5	141500	1@1	DFT_QPSK	23.78	-5.08	16.55	34.77	PASS
n12	15	5	141500	1@23	DFT_QPSK	23.81	-5.08	16.58	34.77	PASS
n12	15	5	141500	25@0	DFT_QPSK	22.9	-5.08	15.67	34.77	PASS
n12	15	5	141500	12@6	DFT_QAM16	22.99	-5.08	15.76	34.77	PASS
n12	15	5	141500	1@1	DFT_QAM16	23.41	-5.08	16.18	34.77	PASS
n12	15	5	141500	1@23	DFT_QAM16	23.46	-5.08	16.23	34.77	PASS
n12	15	5	141500	25@0	DFT_QAM16	21.97	-5.08	14.74	34.77	PASS
n12	15	5	141500	12@6	DFT_QAM64	21.57	-5.08	14.34	34.77	PASS
n12	15	5	141500	1@1	DFT_QAM64	21.36	-5.08	14.13	34.77	PASS
n12	15	5	141500	1@23	DFT_QAM64	21.2	-5.08	13.97	34.77	PASS
n12	15	5	141500	25@0	DFT_QAM64	21.5	-5.08	14.27	34.77	PASS
n12	15	5	141500	12@6	DFT_QAM256	19.47	-5.08	12.24	34.77	PASS
n12	15	5	141500	1@1	DFT_QAM256	19.58	-5.08	12.35	34.77	PASS
n12	15	5	141500	1@23	DFT_QAM256	19.36	-5.08	12.13	34.77	PASS
n12	15	5	141500	25@0	DFT_QAM256	19.42	-5.08	12.19	34.77	PASS
n12	15	5	141500	13@6	CP_QPSK	22.44	-5.08	15.21	34.77	PASS
n12	15	5	141500	1@1	CP_QPSK	22.29	-5.08	15.06	34.77	PASS
n12	15	5	141500	1@23	CP_QPSK	22.4	-5.08	15.17	34.77	PASS
n12	15	5	141500	25@0	CP_QPSK	20.96	-5.08	13.73	34.77	PASS
n12	15	5	141500	13@6	CP_QAM16	21.91	-5.08	14.68	34.77	PASS
n12	15	5	141500	1@1	CP_QAM16	22.38	-5.08	15.15	34.77	PASS
n12	15	5	141500	1@23	CP_QAM16	22.41	-5.08	15.18	34.77	PASS
n12	15	5	141500	25@0	CP_QAM16	21	-5.08	13.77	34.77	PASS
n12	15	5	141500	13@6	CP_QAM64	20.58	-5.08	13.35	34.77	PASS
n12	15	5	141500	1@1	CP_QAM64	20.34	-5.08	13.11	34.77	PASS
n12	15	5	141500	1@23	CP_QAM64	20.23	-5.08	13	34.77	PASS
n12	15	5	141500	25@0	CP_QAM64	20.51	-5.08	13.28	34.77	PASS
n12	15	5	141500	13@6	CP_QAM256	17.5	-5.08	10.27	34.77	PASS
n12	15	5	141500	1@1	CP_QAM256	17.19	-5.08	9.96	34.77	PASS
n12	15	5	141500	1@23	CP_QAM256	17.21	-5.08	9.98	34.77	PASS
n12	15	5	141500	25@0	CP_QAM256	17.53	-5.08	10.3	34.77	PASS
n12	15	5	142700	12@6	DFT_BPSK	23.92	-5.08	16.69	34.77	PASS
n12	15	5	142700	1@1	DFT_BPSK	23.93	-5.08	16.7	34.77	PASS
n12	15	5	142700	1@23	DFT_BPSK	23.92	-5.08	16.69	34.77	PASS
n12	15	5	142700	25@0	DFT_BPSK	23.45	-5.08	16.22	34.77	PASS
n12	15	5	142700	12@6	DFT_QPSK	23.92	-5.08	16.69	34.77	PASS
n12	15	5	142700	1@1	DFT_QPSK	23.82	-5.08	16.59	34.77	PASS
n12	15	5	142700	1@23	DFT_QPSK	23.86	-5.08	16.63	34.77	PASS
n12	15	5	142700	25@0	DFT_QPSK	22.91	-5.08	15.68	34.77	PASS
n12	15	5	142700	12@6	DFT_QAM16	23.01	-5.08	15.78	34.77	PASS

n12	15	5	142700	1@1	DFT_QAM16	23.42	-5.08	16.19	34.77	PASS
n12	15	5	142700	1@23	DFT_QAM16	22.94	-5.08	15.71	34.77	PASS
n12	15	5	142700	25@0	DFT_QAM16	22.05	-5.08	14.82	34.77	PASS
n12	15	5	142700	12@6	DFT_QAM64	21.58	-5.08	14.35	34.77	PASS
n12	15	5	142700	1@1	DFT_QAM64	21.26	-5.08	14.03	34.77	PASS
n12	15	5	142700	1@23	DFT_QAM64	21.38	-5.08	14.15	34.77	PASS
n12	15	5	142700	25@0	DFT_QAM64	21.53	-5.08	14.3	34.77	PASS
n12	15	5	142700	12@6	DFT_QAM256	19.47	-5.08	12.24	34.77	PASS
n12	15	5	142700	1@1	DFT_QAM256	19.36	-5.08	12.13	34.77	PASS
n12	15	5	142700	1@23	DFT_QAM256	19.3	-5.08	12.07	34.77	PASS
n12	15	5	142700	25@0	DFT_QAM256	19.45	-5.08	12.22	34.77	PASS
n12	15	5	142700	13@6	CP_QPSK	22.37	-5.08	15.14	34.77	PASS
n12	15	5	142700	1@1	CP_QPSK	22.4	-5.08	15.17	34.77	PASS
n12	15	5	142700	1@23	CP_QPSK	22.29	-5.08	15.06	34.77	PASS
n12	15	5	142700	25@0	CP_QPSK	20.98	-5.08	13.75	34.77	PASS
n12	15	5	142700	13@6	CP_QAM16	21.85	-5.08	14.62	34.77	PASS
n12	15	5	142700	1@1	CP_QAM16	21.75	-5.08	14.52	34.77	PASS
n12	15	5	142700	1@23	CP_QAM16	21.74	-5.08	14.51	34.77	PASS
n12	15	5	142700	25@0	CP_QAM16	20.99	-5.08	13.76	34.77	PASS
n12	15	5	142700	13@6	CP_QAM64	20.47	-5.08	13.24	34.77	PASS
n12	15	5	142700	1@1	CP_QAM64	20.78	-5.08	13.55	34.77	PASS
n12	15	5	142700	1@23	CP_QAM64	20.71	-5.08	13.48	34.77	PASS
n12	15	5	142700	25@0	CP_QAM64	20.52	-5.08	13.29	34.77	PASS
n12	15	5	142700	13@6	CP_QAM256	17.45	-5.08	10.22	34.77	PASS
n12	15	5	142700	1@1	CP_QAM256	17.18	-5.08	9.95	34.77	PASS
n12	15	5	142700	1@23	CP_QAM256	17.22	-5.08	9.99	34.77	PASS
n12	15	5	142700	25@0	CP_QAM256	17.52	-5.08	10.29	34.77	PASS
n12	15	10	140800	25@12	DFT_BPSK	23.88	-5.08	16.65	34.77	PASS
n12	15	10	140800	1@1	DFT_BPSK	23.89	-5.08	16.66	34.77	PASS
n12	15	10	140800	1@50	DFT_BPSK	23.95	-5.08	16.72	34.77	PASS
n12	15	10	140800	50@0	DFT_BPSK	23.42	-5.08	16.19	34.77	PASS
n12	15	10	140800	25@12	DFT_QPSK	23.88	-5.08	16.65	34.77	PASS
n12	15	10	140800	1@1	DFT_QPSK	23.76	-5.08	16.53	34.77	PASS
n12	15	10	140800	1@50	DFT_QPSK	23.83	-5.08	16.6	34.77	PASS
n12	15	10	140800	50@0	DFT_QPSK	22.85	-5.08	15.62	34.77	PASS
n12	15	10	140800	25@12	DFT_QAM16	22.93	-5.08	15.7	34.77	PASS
n12	15	10	140800	1@1	DFT_QAM16	23.31	-5.08	16.08	34.77	PASS
n12	15	10	140800	1@50	DFT_QAM16	23.3	-5.08	16.07	34.77	PASS
n12	15	10	140800	50@0	DFT_QAM16	21.96	-5.08	14.73	34.77	PASS
n12	15	10	140800	25@12	DFT_QAM64	21.4	-5.08	14.17	34.77	PASS
n12	15	10	140800	1@1	DFT_QAM64	21.67	-5.08	14.44	34.77	PASS
n12	15	10	140800	1@50	DFT_QAM64	21.78	-5.08	14.55	34.77	PASS
n12	15	10	140800	50@0	DFT_QAM64	21.4	-5.08	14.17	34.77	PASS

n12	15	10	140800	25@12	DFT_QAM256	19.4	-5.08	12.17	34.77	PASS
n12	15	10	140800	1@1	DFT_QAM256	19.52	-5.08	12.29	34.77	PASS
n12	15	10	140800	1@50	DFT_QAM256	19.42	-5.08	12.19	34.77	PASS
n12	15	10	140800	50@0	DFT_QAM256	19.39	-5.08	12.16	34.77	PASS
n12	15	10	140800	26@13	CP_QPSK	22.41	-5.08	15.18	34.77	PASS
n12	15	10	140800	1@1	CP_QPSK	22.2	-5.08	14.97	34.77	PASS
n12	15	10	140800	1@50	CP_QPSK	22.53	-5.08	15.3	34.77	PASS
n12	15	10	140800	52@0	CP_QPSK	20.91	-5.08	13.68	34.77	PASS
n12	15	10	140800	26@13	CP_QAM16	21.88	-5.08	14.65	34.77	PASS
n12	15	10	140800	1@1	CP_QAM16	21.75	-5.08	14.52	34.77	PASS
n12	15	10	140800	1@50	CP_QAM16	22.31	-5.08	15.08	34.77	PASS
n12	15	10	140800	52@0	CP_QAM16	20.89	-5.08	13.66	34.77	PASS
n12	15	10	140800	26@13	CP_QAM64	20.43	-5.08	13.2	34.77	PASS
n12	15	10	140800	1@1	CP_QAM64	20.44	-5.08	13.21	34.77	PASS
n12	15	10	140800	1@50	CP_QAM64	20.47	-5.08	13.24	34.77	PASS
n12	15	10	140800	52@0	CP_QAM64	20.41	-5.08	13.18	34.77	PASS
n12	15	10	140800	26@13	CP_QAM256	17.39	-5.08	10.16	34.77	PASS
n12	15	10	140800	1@1	CP_QAM256	17.19	-5.08	9.96	34.77	PASS
n12	15	10	140800	1@50	CP_QAM256	17.41	-5.08	10.18	34.77	PASS
n12	15	10	140800	52@0	CP_QAM256	17.39	-5.08	10.16	34.77	PASS
n12	15	10	141500	25@12	DFT_BPSK	23.9	-5.08	16.67	34.77	PASS
n12	15	10	141500	1@1	DFT_BPSK	23.84	-5.08	16.61	34.77	PASS
n12	15	10	141500	1@50	DFT_BPSK	23.85	-5.08	16.62	34.77	PASS
n12	15	10	141500	50@0	DFT_BPSK	23.37	-5.08	16.14	34.77	PASS
n12	15	10	141500	25@12	DFT_QPSK	23.88	-5.08	16.65	34.77	PASS
n12	15	10	141500	1@1	DFT_QPSK	23.78	-5.08	16.55	34.77	PASS
n12	15	10	141500	1@50	DFT_QPSK	23.81	-5.08	16.58	34.77	PASS
n12	15	10	141500	50@0	DFT_QPSK	22.89	-5.08	15.66	34.77	PASS
n12	15	10	141500	25@12	DFT_QAM16	22.86	-5.08	15.63	34.77	PASS
n12	15	10	141500	1@1	DFT_QAM16	23.27	-5.08	16.04	34.77	PASS
n12	15	10	141500	1@50	DFT_QAM16	23	-5.08	15.77	34.77	PASS
n12	15	10	141500	50@0	DFT_QAM16	21.87	-5.08	14.64	34.77	PASS
n12	15	10	141500	25@12	DFT_QAM64	21.45	-5.08	14.22	34.77	PASS
n12	15	10	141500	1@1	DFT_QAM64	21.68	-5.08	14.45	34.77	PASS
n12	15	10	141500	1@50	DFT_QAM64	21.74	-5.08	14.51	34.77	PASS
n12	15	10	141500	50@0	DFT_QAM64	21.37	-5.08	14.14	34.77	PASS
n12	15	10	141500	25@12	DFT_QAM256	19.42	-5.08	12.19	34.77	PASS
n12	15	10	141500	1@1	DFT_QAM256	19.48	-5.08	12.25	34.77	PASS
n12	15	10	141500	1@50	DFT_QAM256	19.37	-5.08	12.14	34.77	PASS
n12	15	10	141500	50@0	DFT_QAM256	19.35	-5.08	12.12	34.77	PASS
n12	15	10	141500	26@13	CP_QPSK	22.42	-5.08	15.19	34.77	PASS
n12	15	10	141500	1@1	CP_QPSK	22.29	-5.08	15.06	34.77	PASS
n12	15	10	141500	1@50	CP_QPSK	22.4	-5.08	15.17	34.77	PASS

n12	15	10	141500	52@0	CP_QPSK	20.82	-5.08	13.59	34.77	PASS
n12	15	10	141500	26@13	CP_QAM16	21.86	-5.08	14.63	34.77	PASS
n12	15	10	141500	1@1	CP_QAM16	21.8	-5.08	14.57	34.77	PASS
n12	15	10	141500	1@50	CP_QAM16	21.86	-5.08	14.63	34.77	PASS
n12	15	10	141500	52@0	CP_QAM16	20.86	-5.08	13.63	34.77	PASS
n12	15	10	141500	26@13	CP_QAM64	20.48	-5.08	13.25	34.77	PASS
n12	15	10	141500	1@1	CP_QAM64	20.41	-5.08	13.18	34.77	PASS
n12	15	10	141500	1@50	CP_QAM64	20.45	-5.08	13.22	34.77	PASS
n12	15	10	141500	52@0	CP_QAM64	20.34	-5.08	13.11	34.77	PASS
n12	15	10	141500	26@13	CP_QAM256	17.47	-5.08	10.24	34.77	PASS
n12	15	10	141500	1@1	CP_QAM256	17.21	-5.08	9.98	34.77	PASS
n12	15	10	141500	1@50	CP_QAM256	17.3	-5.08	10.07	34.77	PASS
n12	15	10	141500	52@0	CP_QAM256	17.34	-5.08	10.11	34.77	PASS
n12	15	10	142200	25@12	DFT_BPSK	23.9	-5.08	16.67	34.77	PASS
n12	15	10	142200	1@1	DFT_BPSK	23.89	-5.08	16.66	34.77	PASS
n12	15	10	142200	1@50	DFT_BPSK	23.9	-5.08	16.67	34.77	PASS
n12	15	10	142200	50@0	DFT_BPSK	23.42	-5.08	16.19	34.77	PASS
n12	15	10	142200	25@12	DFT_QPSK	23.88	-5.08	16.65	34.77	PASS
n12	15	10	142200	1@1	DFT_QPSK	23.88	-5.08	16.65	34.77	PASS
n12	15	10	142200	1@50	DFT_QPSK	23.74	-5.08	16.51	34.77	PASS
n12	15	10	142200	50@0	DFT_QPSK	22.86	-5.08	15.63	34.77	PASS
n12	15	10	142200	25@12	DFT_QAM16	22.98	-5.08	15.75	34.77	PASS
n12	15	10	142200	1@1	DFT_QAM16	23.32	-5.08	16.09	34.77	PASS
n12	15	10	142200	1@50	DFT_QAM16	23.06	-5.08	15.83	34.77	PASS
n12	15	10	142200	50@0	DFT_QAM16	21.96	-5.08	14.73	34.77	PASS
n12	15	10	142200	25@12	DFT_QAM64	21.42	-5.08	14.19	34.77	PASS
n12	15	10	142200	1@1	DFT_QAM64	21.44	-5.08	14.21	34.77	PASS
n12	15	10	142200	1@50	DFT_QAM64	21.69	-5.08	14.46	34.77	PASS
n12	15	10	142200	50@0	DFT_QAM64	21.47	-5.08	14.24	34.77	PASS
n12	15	10	142200	25@12	DFT_QAM256	19.4	-5.08	12.17	34.77	PASS
n12	15	10	142200	1@1	DFT_QAM256	19.41	-5.08	12.18	34.77	PASS
n12	15	10	142200	1@50	DFT_QAM256	19.35	-5.08	12.12	34.77	PASS
n12	15	10	142200	50@0	DFT_QAM256	19.41	-5.08	12.18	34.77	PASS
n12	15	10	142200	26@13	CP_QPSK	22.42	-5.08	15.19	34.77	PASS
n12	15	10	142200	1@1	CP_QPSK	22.5	-5.08	15.27	34.77	PASS
n12	15	10	142200	1@50	CP_QPSK	22.3	-5.08	15.07	34.77	PASS
n12	15	10	142200	52@0	CP_QPSK	20.93	-5.08	13.7	34.77	PASS
n12	15	10	142200	26@13	CP_QAM16	21.89	-5.08	14.66	34.77	PASS
n12	15	10	142200	1@1	CP_QAM16	21.87	-5.08	14.64	34.77	PASS
n12	15	10	142200	1@50	CP_QAM16	21.68	-5.08	14.45	34.77	PASS
n12	15	10	142200	52@0	CP_QAM16	20.89	-5.08	13.66	34.77	PASS
n12	15	10	142200	26@13	CP_QAM64	20.43	-5.08	13.2	34.77	PASS
n12	15	10	142200	1@1	CP_QAM64	20.33	-5.08	13.1	34.77	PASS

n12	15	10	142200	1@50	CP_QAM64	20.51	-5.08	13.28	34.77	PASS
n12	15	10	142200	52@0	CP_QAM64	20.45	-5.08	13.22	34.77	PASS
n12	15	10	142200	26@13	CP_QAM256	17.44	-5.08	10.21	34.77	PASS
n12	15	10	142200	1@1	CP_QAM256	17.26	-5.08	10.03	34.77	PASS
n12	15	10	142200	1@50	CP_QAM256	17.31	-5.08	10.08	34.77	PASS
n12	15	10	142200	52@0	CP_QAM256	17.45	-5.08	10.22	34.77	PASS
n12	15	15	141300	36@18	DFT_BPSK	23.89	-5.08	16.66	34.77	PASS
n12	15	15	141300	1@1	DFT_BPSK	23.84	-5.08	16.61	34.77	PASS
n12	15	15	141300	1@77	DFT_BPSK	23.84	-5.08	16.61	34.77	PASS
n12	15	15	141300	75@0	DFT_BPSK	23.4	-5.08	16.17	34.77	PASS
n12	15	15	141300	36@18	DFT_QPSK	23.88	-5.08	16.65	34.77	PASS
n12	15	15	141300	1@1	DFT_QPSK	23.71	-5.08	16.48	34.77	PASS
n12	15	15	141300	1@77	DFT_QPSK	23.75	-5.08	16.52	34.77	PASS
n12	15	15	141300	75@0	DFT_QPSK	22.86	-5.08	15.63	34.77	PASS
n12	15	15	141300	36@18	DFT_QAM16	22.89	-5.08	15.66	34.77	PASS
n12	15	15	141300	1@1	DFT_QAM16	23.24	-5.08	16.01	34.77	PASS
n12	15	15	141300	1@77	DFT_QAM16	22.88	-5.08	15.65	34.77	PASS
n12	15	15	141300	75@0	DFT_QAM16	21.87	-5.08	14.64	34.77	PASS
n12	15	15	141300	36@18	DFT_QAM64	21.48	-5.08	14.25	34.77	PASS
n12	15	15	141300	1@1	DFT_QAM64	21.27	-5.08	14.04	34.77	PASS
n12	15	15	141300	1@77	DFT_QAM64	21.33	-5.08	14.1	34.77	PASS
n12	15	15	141300	75@0	DFT_QAM64	21.38	-5.08	14.15	34.77	PASS
n12	15	15	141300	36@18	DFT_QAM256	19.39	-5.08	12.16	34.77	PASS
n12	15	15	141300	1@1	DFT_QAM256	19.28	-5.08	12.05	34.77	PASS
n12	15	15	141300	1@77	DFT_QAM256	19.29	-5.08	12.06	34.77	PASS
n12	15	15	141300	75@0	DFT_QAM256	19.37	-5.08	12.14	34.77	PASS
n12	15	15	141300	39@19	CP_QPSK	22.42	-5.08	15.19	34.77	PASS
n12	15	15	141300	1@1	CP_QPSK	22.41	-5.08	15.18	34.77	PASS
n12	15	15	141300	1@77	CP_QPSK	22.27	-5.08	15.04	34.77	PASS
n12	15	15	141300	79@0	CP_QPSK	20.89	-5.08	13.66	34.77	PASS
n12	15	15	141300	39@19	CP_QAM16	21.99	-5.08	14.76	34.77	PASS
n12	15	15	141300	1@1	CP_QAM16	21.69	-5.08	14.46	34.77	PASS
n12	15	15	141300	1@77	CP_QAM16	21.72	-5.08	14.49	34.77	PASS
n12	15	15	141300	79@0	CP_QAM16	20.86	-5.08	13.63	34.77	PASS
n12	15	15	141300	39@19	CP_QAM64	20.49	-5.08	13.26	34.77	PASS
n12	15	15	141300	1@1	CP_QAM64	20.4	-5.08	13.17	34.77	PASS
n12	15	15	141300	1@77	CP_QAM64	20.25	-5.08	13.02	34.77	PASS
n12	15	15	141300	79@0	CP_QAM64	20.41	-5.08	13.18	34.77	PASS
n12	15	15	141300	39@19	CP_QAM256	17.48	-5.08	10.25	34.77	PASS
n12	15	15	141300	1@1	CP_QAM256	17.13	-5.08	9.9	34.77	PASS
n12	15	15	141300	1@77	CP_QAM256	17.11	-5.08	9.88	34.77	PASS
n12	15	15	141300	79@0	CP_QAM256	17.38	-5.08	10.15	34.77	PASS
n12	15	15	141500	36@18	DFT_BPSK	23.9	-5.08	16.67	34.77	PASS

n12	15	15	141500	1@1	DFT_BPSK	23.76	-5.08	16.53	34.77	PASS
n12	15	15	141500	1@77	DFT_BPSK	23.76	-5.08	16.53	34.77	PASS
n12	15	15	141500	75@0	DFT_BPSK	23.39	-5.08	16.16	34.77	PASS
n12	15	15	141500	36@18	DFT_QPSK	23.93	-5.08	16.7	34.77	PASS
n12	15	15	141500	1@1	DFT_QPSK	23.71	-5.08	16.48	34.77	PASS
n12	15	15	141500	1@77	DFT_QPSK	23.76	-5.08	16.53	34.77	PASS
n12	15	15	141500	75@0	DFT_QPSK	22.91	-5.08	15.68	34.77	PASS
n12	15	15	141500	36@18	DFT_QAM16	22.89	-5.08	15.66	34.77	PASS
n12	15	15	141500	1@1	DFT_QAM16	22.91	-5.08	15.68	34.77	PASS
n12	15	15	141500	1@77	DFT_QAM16	22.98	-5.08	15.75	34.77	PASS
n12	15	15	141500	75@0	DFT_QAM16	21.92	-5.08	14.69	34.77	PASS
n12	15	15	141500	36@18	DFT_QAM64	21.45	-5.08	14.22	34.77	PASS
n12	15	15	141500	1@1	DFT_QAM64	21.24	-5.08	14.01	34.77	PASS
n12	15	15	141500	1@77	DFT_QAM64	21.28	-5.08	14.05	34.77	PASS
n12	15	15	141500	75@0	DFT_QAM64	21.43	-5.08	14.2	34.77	PASS
n12	15	15	141500	36@18	DFT_QAM256	19.44	-5.08	12.21	34.77	PASS
n12	15	15	141500	1@1	DFT_QAM256	19.27	-5.08	12.04	34.77	PASS
n12	15	15	141500	1@77	DFT_QAM256	19.52	-5.08	12.29	34.77	PASS
n12	15	15	141500	75@0	DFT_QAM256	19.41	-5.08	12.18	34.77	PASS
n12	15	15	141500	39@19	CP_QPSK	22.36	-5.08	15.13	34.77	PASS
n12	15	15	141500	1@1	CP_QPSK	22.25	-5.08	15.02	34.77	PASS
n12	15	15	141500	1@77	CP_QPSK	22.29	-5.08	15.06	34.77	PASS
n12	15	15	141500	79@0	CP_QPSK	20.91	-5.08	13.68	34.77	PASS
n12	15	15	141500	39@19	CP_QAM16	21.95	-5.08	14.72	34.77	PASS
n12	15	15	141500	1@1	CP_QAM16	22.23	-5.08	15	34.77	PASS
n12	15	15	141500	1@77	CP_QAM16	22.23	-5.08	15	34.77	PASS
n12	15	15	141500	79@0	CP_QAM16	20.86	-5.08	13.63	34.77	PASS
n12	15	15	141500	39@19	CP_QAM64	20.49	-5.08	13.26	34.77	PASS
n12	15	15	141500	1@1	CP_QAM64	20.38	-5.08	13.15	34.77	PASS
n12	15	15	141500	1@77	CP_QAM64	20.45	-5.08	13.22	34.77	PASS
n12	15	15	141500	79@0	CP_QAM64	20.43	-5.08	13.2	34.77	PASS
n12	15	15	141500	39@19	CP_QAM256	17.42	-5.08	10.19	34.77	PASS
n12	15	15	141500	1@1	CP_QAM256	17.11	-5.08	9.88	34.77	PASS
n12	15	15	141500	1@77	CP_QAM256	17.26	-5.08	10.03	34.77	PASS
n12	15	15	141500	79@0	CP_QAM256	17.42	-5.08	10.19	34.77	PASS
n12	15	15	141700	36@18	DFT_BPSK	23.91	-5.08	16.68	34.77	PASS
n12	15	15	141700	1@1	DFT_BPSK	23.81	-5.08	16.58	34.77	PASS
n12	15	15	141700	1@77	DFT_BPSK	23.76	-5.08	16.53	34.77	PASS
n12	15	15	141700	75@0	DFT_BPSK	23.43	-5.08	16.2	34.77	PASS
n12	15	15	141700	36@18	DFT_QPSK	23.93	-5.08	16.7	34.77	PASS
n12	15	15	141700	1@1	DFT_QPSK	23.66	-5.08	16.43	34.77	PASS
n12	15	15	141700	1@77	DFT_QPSK	23.75	-5.08	16.52	34.77	PASS
n12	15	15	141700	75@0	DFT_QPSK	22.89	-5.08	15.66	34.77	PASS

n12	15	15	141700	36@18	DFT_QAM16	22.91	-5.08	15.68	34.77	PASS
n12	15	15	141700	1@1	DFT_QAM16	22.87	-5.08	15.64	34.77	PASS
n12	15	15	141700	1@77	DFT_QAM16	23.01	-5.08	15.78	34.77	PASS
n12	15	15	141700	75@0	DFT_QAM16	21.84	-5.08	14.61	34.77	PASS
n12	15	15	141700	36@18	DFT_QAM64	21.47	-5.08	14.24	34.77	PASS
n12	15	15	141700	1@1	DFT_QAM64	21.26	-5.08	14.03	34.77	PASS
n12	15	15	141700	1@77	DFT_QAM64	21.26	-5.08	14.03	34.77	PASS
n12	15	15	141700	75@0	DFT_QAM64	21.4	-5.08	14.17	34.77	PASS
n12	15	15	141700	36@18	DFT_QAM256	19.47	-5.08	12.24	34.77	PASS
n12	15	15	141700	1@1	DFT_QAM256	19.29	-5.08	12.06	34.77	PASS
n12	15	15	141700	1@77	DFT_QAM256	19.28	-5.08	12.05	34.77	PASS
n12	15	15	141700	75@0	DFT_QAM256	19.36	-5.08	12.13	34.77	PASS
n12	15	15	141700	39@19	CP_QPSK	22.46	-5.08	15.23	34.77	PASS
n12	15	15	141700	1@1	CP_QPSK	22.2	-5.08	14.97	34.77	PASS
n12	15	15	141700	1@77	CP_QPSK	22.22	-5.08	14.99	34.77	PASS
n12	15	15	141700	79@0	CP_QPSK	20.92	-5.08	13.69	34.77	PASS
n12	15	15	141700	39@19	CP_QAM16	22	-5.08	14.77	34.77	PASS
n12	15	15	141700	1@1	CP_QAM16	22.19	-5.08	14.96	34.77	PASS
n12	15	15	141700	1@77	CP_QAM16	21.93	-5.08	14.7	34.77	PASS
n12	15	15	141700	79@0	CP_QAM16	20.89	-5.08	13.66	34.77	PASS
n12	15	15	141700	39@19	CP_QAM64	20.5	-5.08	13.27	34.77	PASS
n12	15	15	141700	1@1	CP_QAM64	20.39	-5.08	13.16	34.77	PASS
n12	15	15	141700	1@77	CP_QAM64	20.43	-5.08	13.2	34.77	PASS
n12	15	15	141700	79@0	CP_QAM64	20.39	-5.08	13.16	34.77	PASS
n12	15	15	141700	39@19	CP_QAM256	17.46	-5.08	10.23	34.77	PASS
n12	15	15	141700	1@1	CP_QAM256	17.25	-5.08	10.02	34.77	PASS
n12	15	15	141700	1@77	CP_QAM256	17.31	-5.08	10.08	34.77	PASS
n12	15	15	141700	79@0	CP_QAM256	17.38	-5.08	10.15	34.77	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
n12	15	15	141500	50@25	DFT_BPSK	3.91	-0.96	0.00	Within authorized band for 5G NR n12	PASS
n12	15	15	141500	50@25	DFT_BPSK	3.45	-1.93	0.00		PASS
n12	15	15	141500	50@25	DFT_BPSK	4.50	-2.18	0.00		PASS
n12	15	15	141500	50@25	DFT_QPSK	3.91	-3.12	0.00		PASS
n12	15	15	141500	50@25	DFT_QPSK	3.45	-3.41	0.00		PASS
n12	15	15	141500	50@25	DFT_QPSK	4.50	-4.42	-0.01		PASS

Note: Only the worst case shown in the report.

NV:

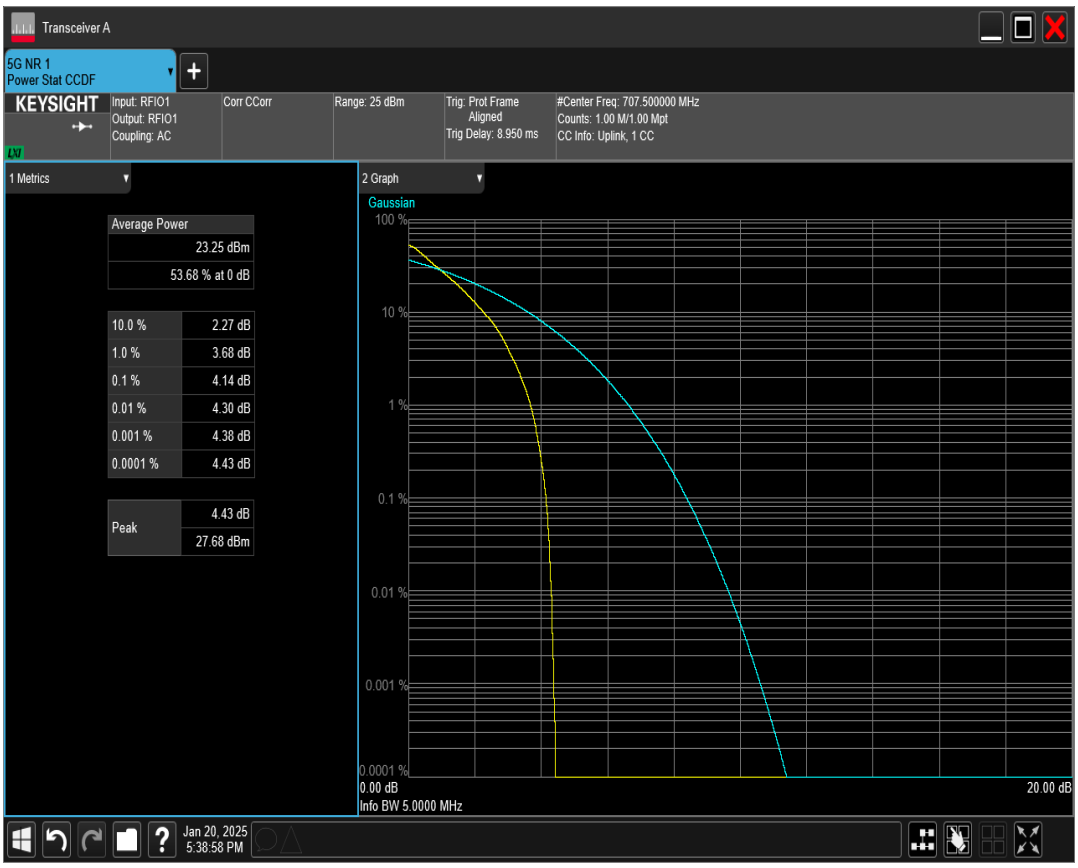
Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Temperature(℃)	Result(Hz)	Result (ppm)	Limit (ppm)	Verdict
n12	15	15	141500	50@25	DFT_BPSK	-30	-3.29	0.00	Within authorized band for 5G NR n12	PASS
n12	15	15	141500	50@25	DFT_BPSK	-20	-2.63	0.00		PASS
n12	15	15	141500	50@25	DFT_BPSK	-10	-5.13	-0.01		PASS
n12	15	15	141500	50@25	DFT_BPSK	0	-2.48	0.00		PASS
n12	15	15	141500	50@25	DFT_BPSK	10	-4.16	-0.01		PASS
n12	15	15	141500	50@25	DFT_BPSK	20	-3.42	0.00		PASS
n12	15	15	141500	50@25	DFT_BPSK	30	-2.85	0.00		PASS
n12	15	15	141500	50@25	DFT_BPSK	40	-4.98	-0.01		PASS
n12	15	15	141500	50@25	DFT_BPSK	50	-2.4	0.00		PASS
n12	15	15	141500	50@25	DFT_QPSK	-30	-3.8	0.00		PASS
n12	15	15	141500	50@25	DFT_QPSK	-20	-4.03	-0.01		PASS
n12	15	15	141500	50@25	DFT_QPSK	-10	-2.44	0.00		PASS
n12	15	15	141500	50@25	DFT_QPSK	0	-1.48	0.00		PASS
n12	15	15	141500	50@25	DFT_QPSK	10	-4.52	-0.01		PASS
n12	15	15	141500	50@25	DFT_QPSK	20	-5.74	-0.01		PASS
n12	15	15	141500	50@25	DFT_QPSK	30	-2.25	0.00		PASS
n12	15	15	141500	50@25	DFT_QPSK	40	-3.69	0.00		PASS
n12	15	15	141500	50@25	DFT_QPSK	50	-5.59	-0.01		PASS

Note: Only the worst case shown in the report.

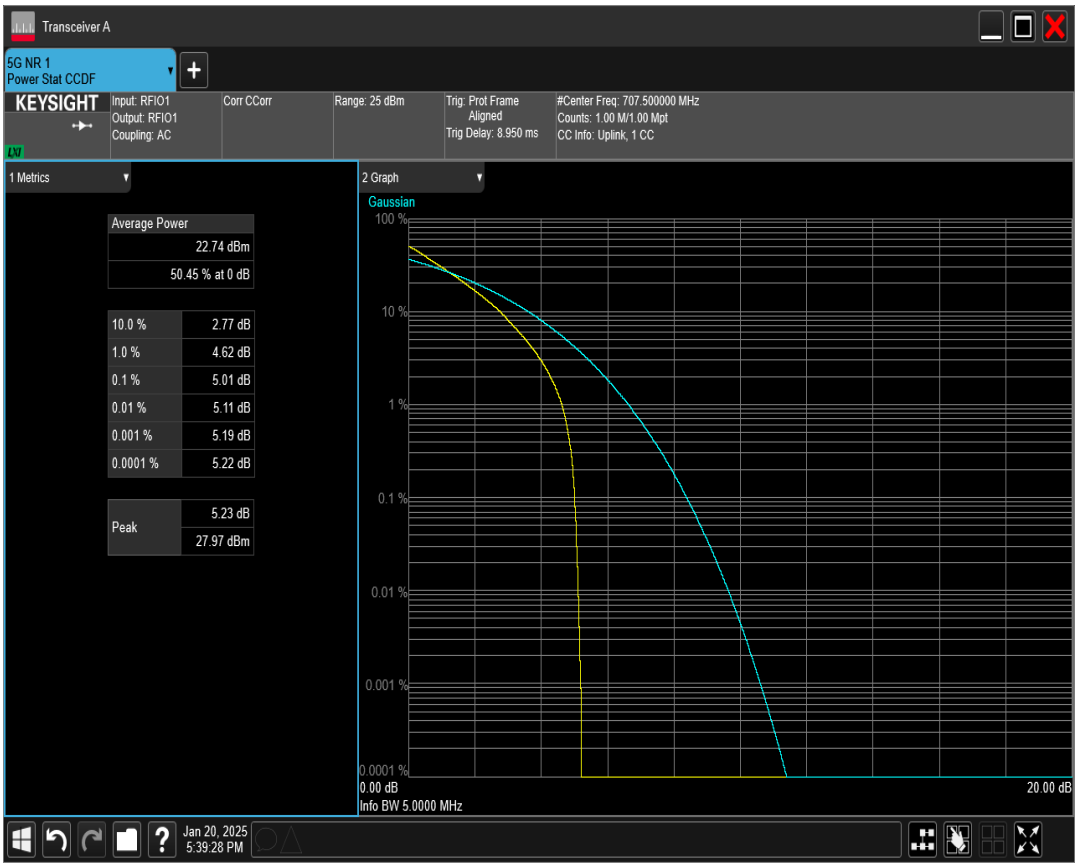
3 Peak-to-Average Ratio for NR FR1

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Result (dB)	high Limit (dB)	Verdict
n12	15	5	141500	25@0	DFT_BPSK	4.14	13	PASS
n12	15	5	141500	25@0	DFT_QPSK	5.01	13	PASS
n12	15	5	141500	25@0	DFT_QAM16	5.75	13	PASS
n12	15	5	141500	25@0	DFT_QAM64	6.26	13	PASS
n12	15	5	141500	25@0	DFT_QAM256	7.68	13	PASS
n12	15	10	141500	50@0	DFT_BPSK	4.43	13	PASS
n12	15	10	141500	50@0	DFT_QPSK	5.40	13	PASS
n12	15	10	141500	50@0	DFT_QAM16	6.11	13	PASS
n12	15	10	141500	50@0	DFT_QAM64	6.60	13	PASS
n12	15	10	141500	50@0	DFT_QAM256	7.41	13	PASS
n12	15	15	141500	75@0	DFT_BPSK	4.40	13	PASS
n12	15	15	141500	75@0	DFT_QPSK	5.37	13	PASS
n12	15	15	141500	75@0	DFT_QAM16	6.16	13	PASS
n12	15	15	141500	75@0	DFT_QAM64	6.58	13	PASS
n12	15	15	141500	75@0	DFT_QAM256	7.24	13	PASS

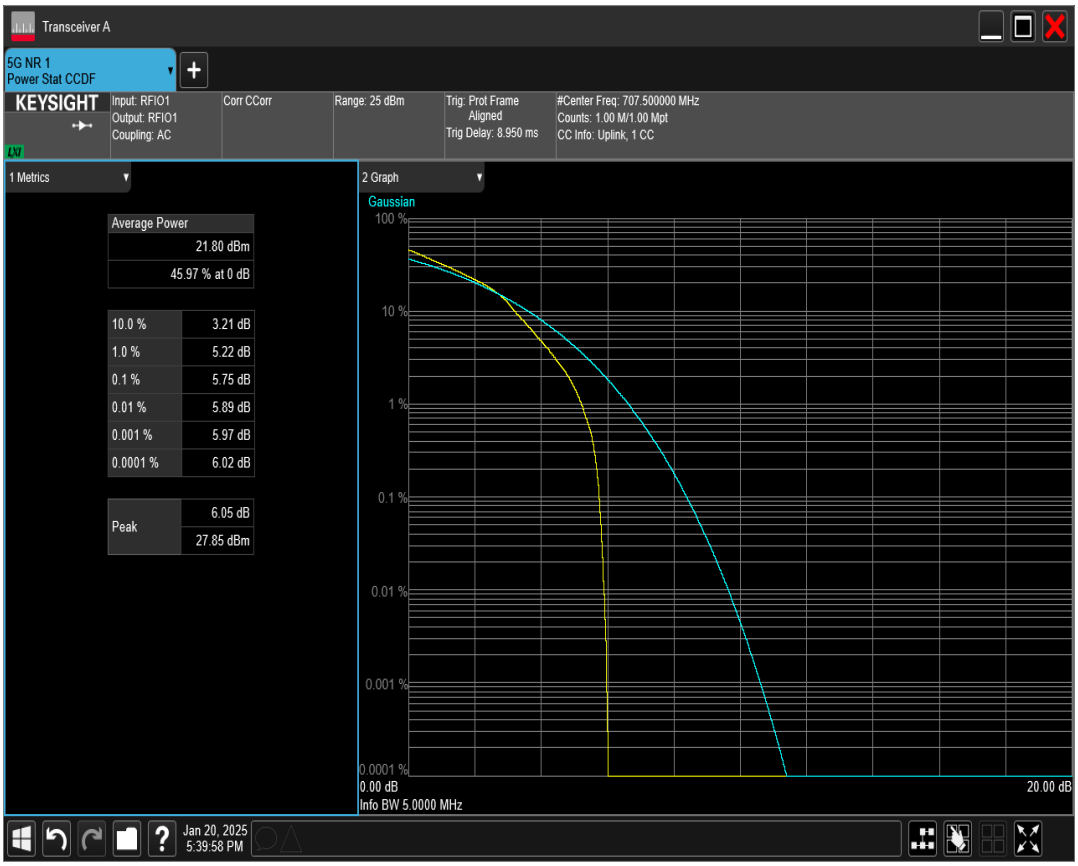
n12 SCS=15kHz DFT_BPSK BW=5MHz Channel=141500 RB=25@0



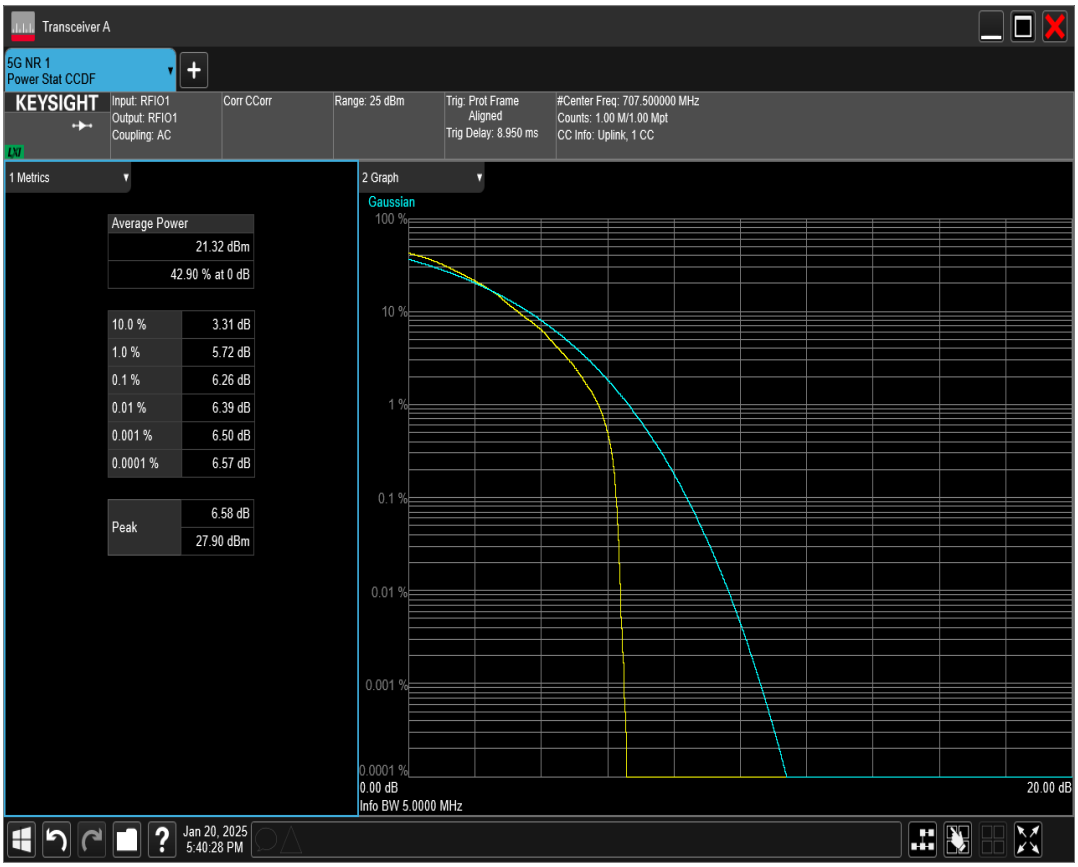
n12 SCS=15kHz DFT_QPSK BW=5MHz Channel=141500 RB=25@0



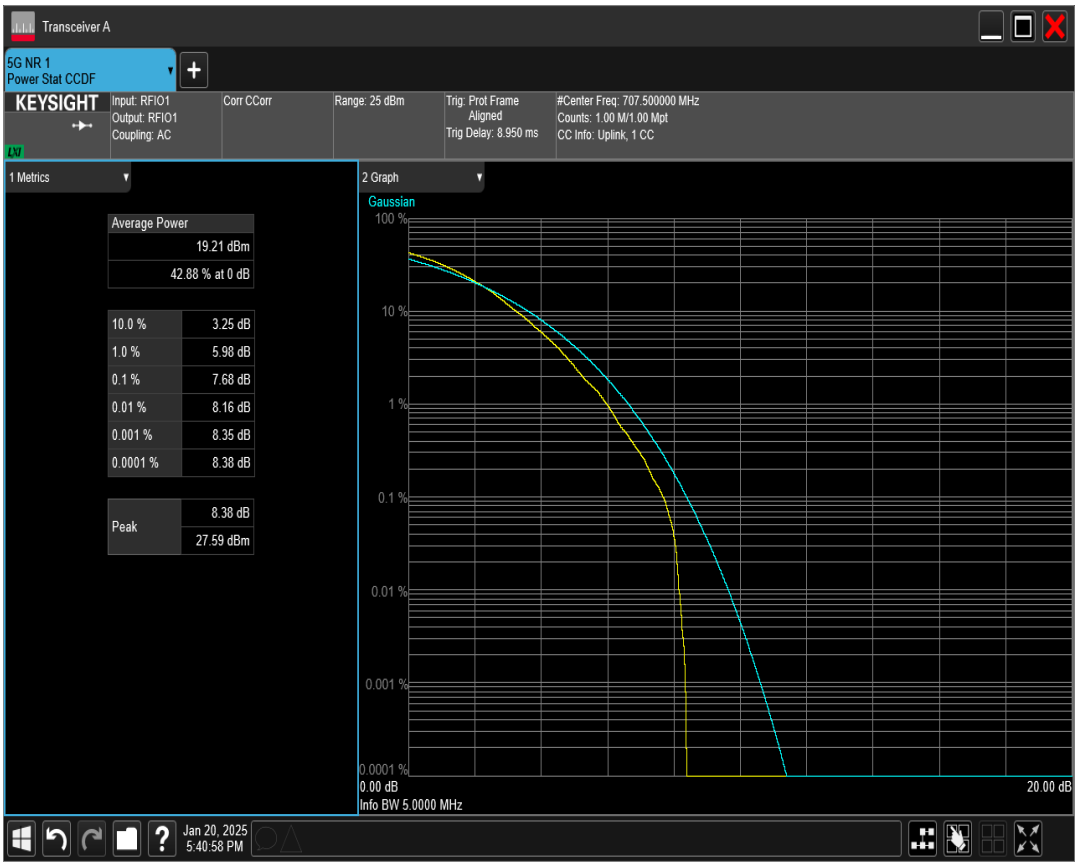
n12 SCS=15kHz DFT_QAM16 BW=5MHz Channel=141500 RB=25@0



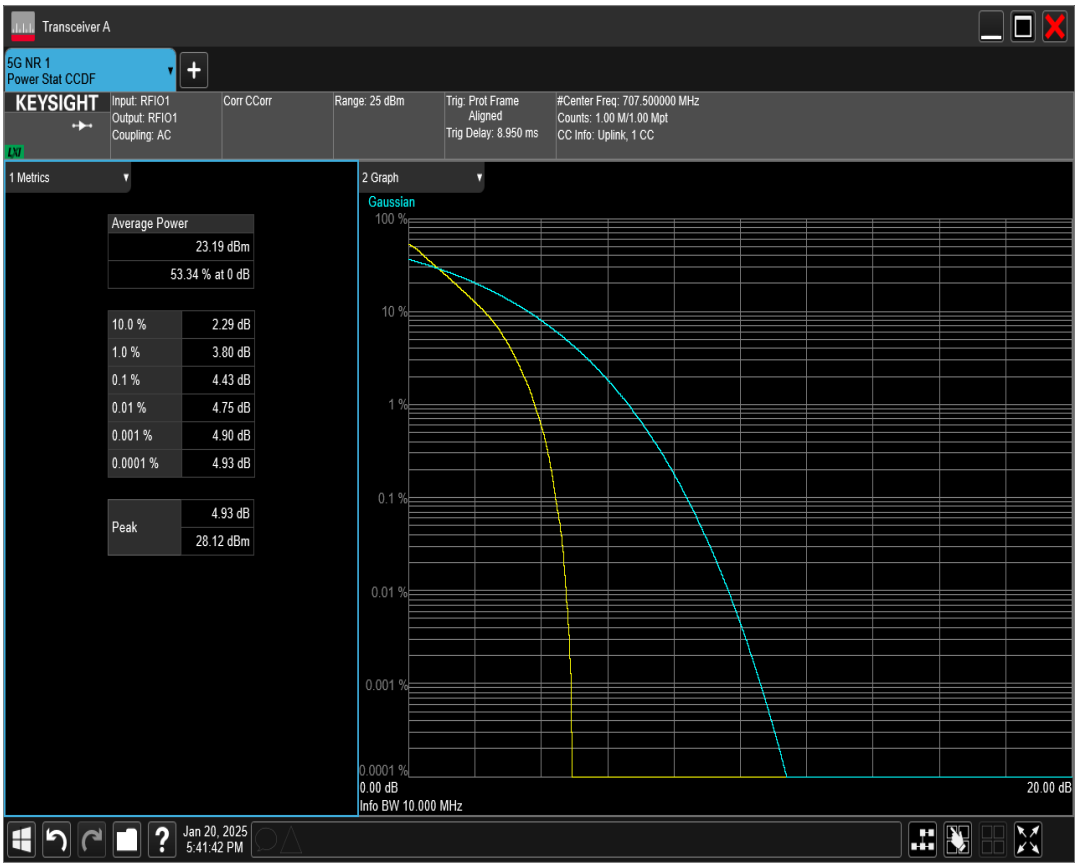
n12 SCS=15kHz DFT_QAM64 BW=5MHz Channel=141500 RB=25@0



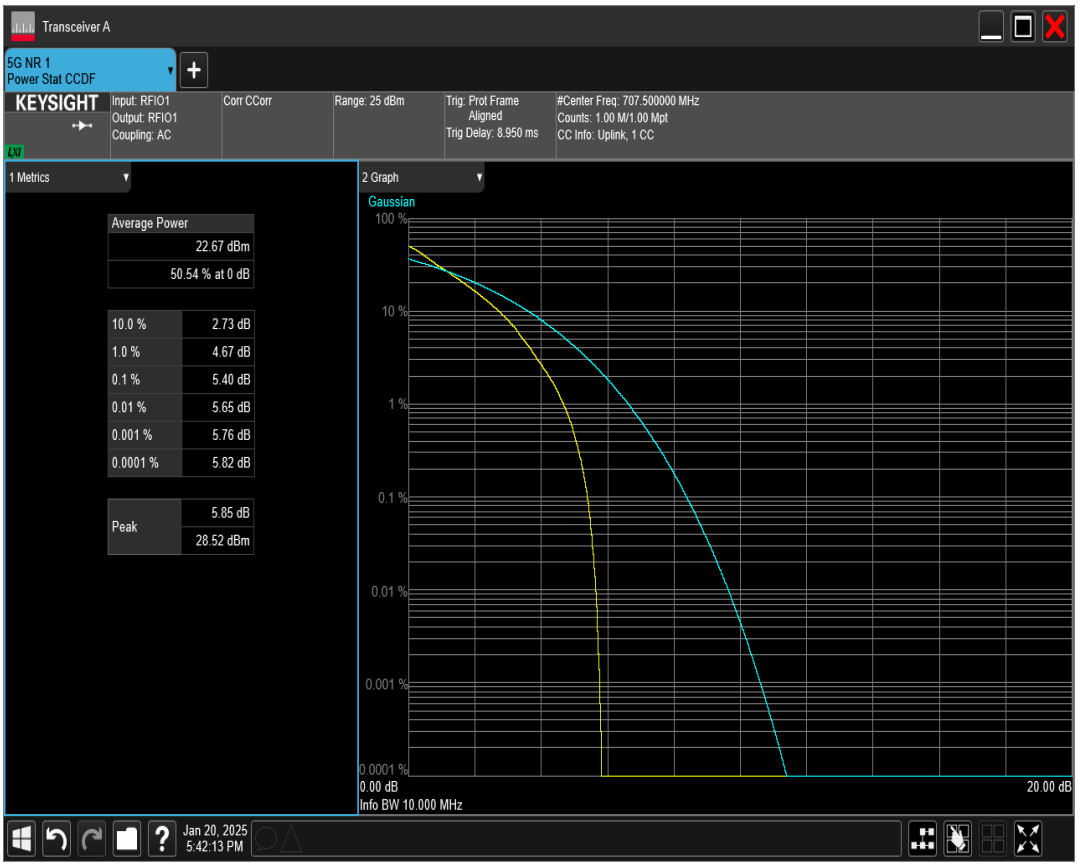
n12 SCS=15kHz DFT_QAM256 BW=5MHz Channel=141500 RB=25@0



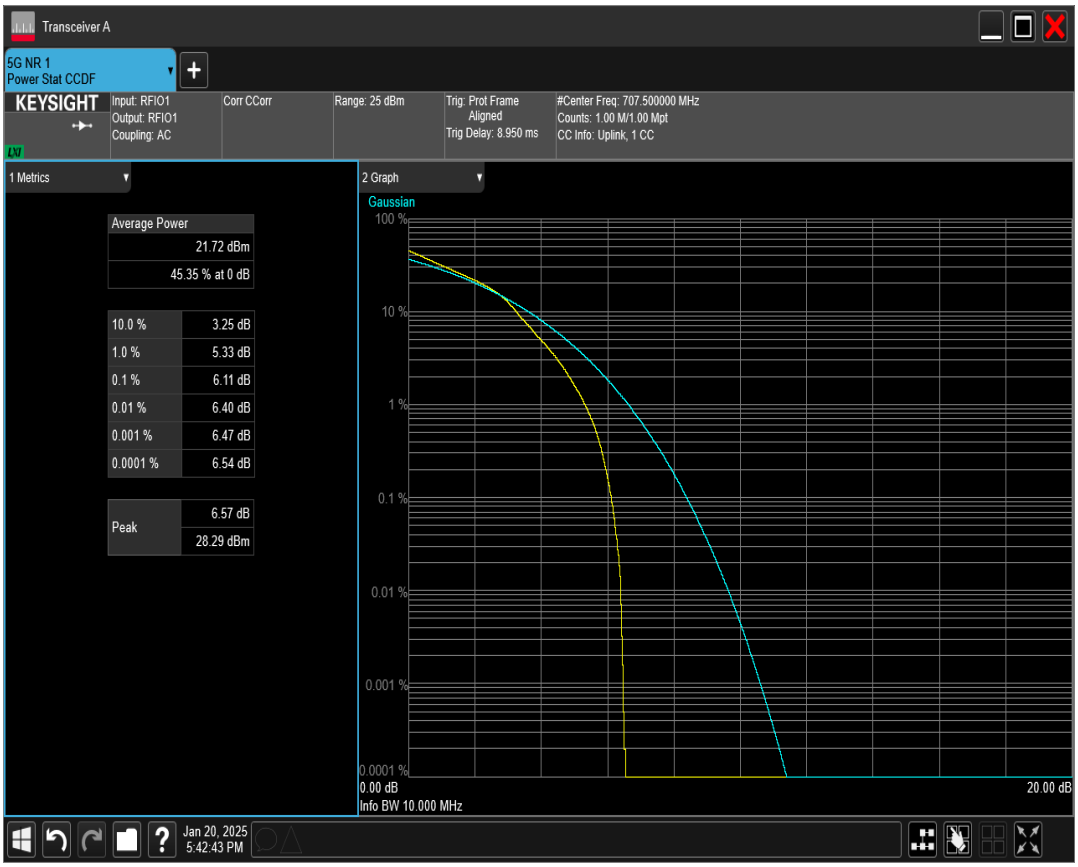
n12 SCS=15kHz DFT_BPSK BW=10MHz Channel=141500 RB=50@0



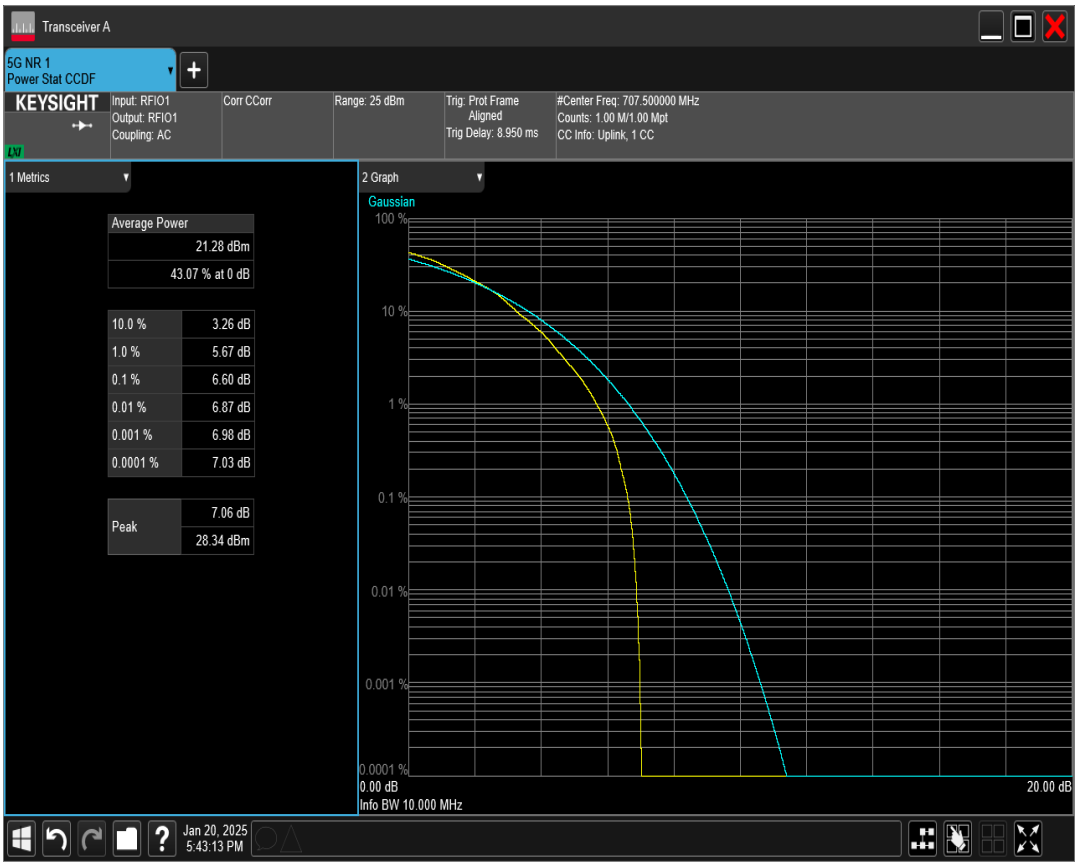
n12 SCS=15kHz DFT_QPSK BW=10MHz Channel=141500 RB=50@0



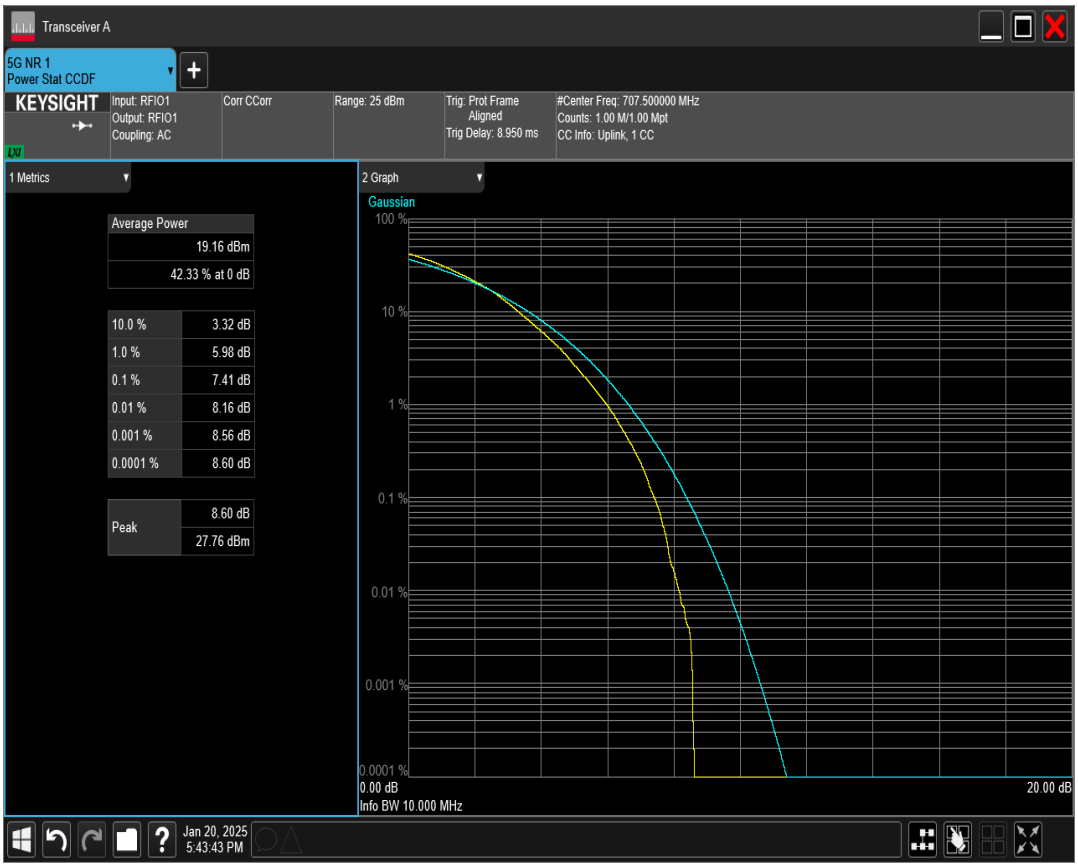
n12 SCS=15kHz DFT_QAM16 BW=10MHz Channel=141500 RB=50@0



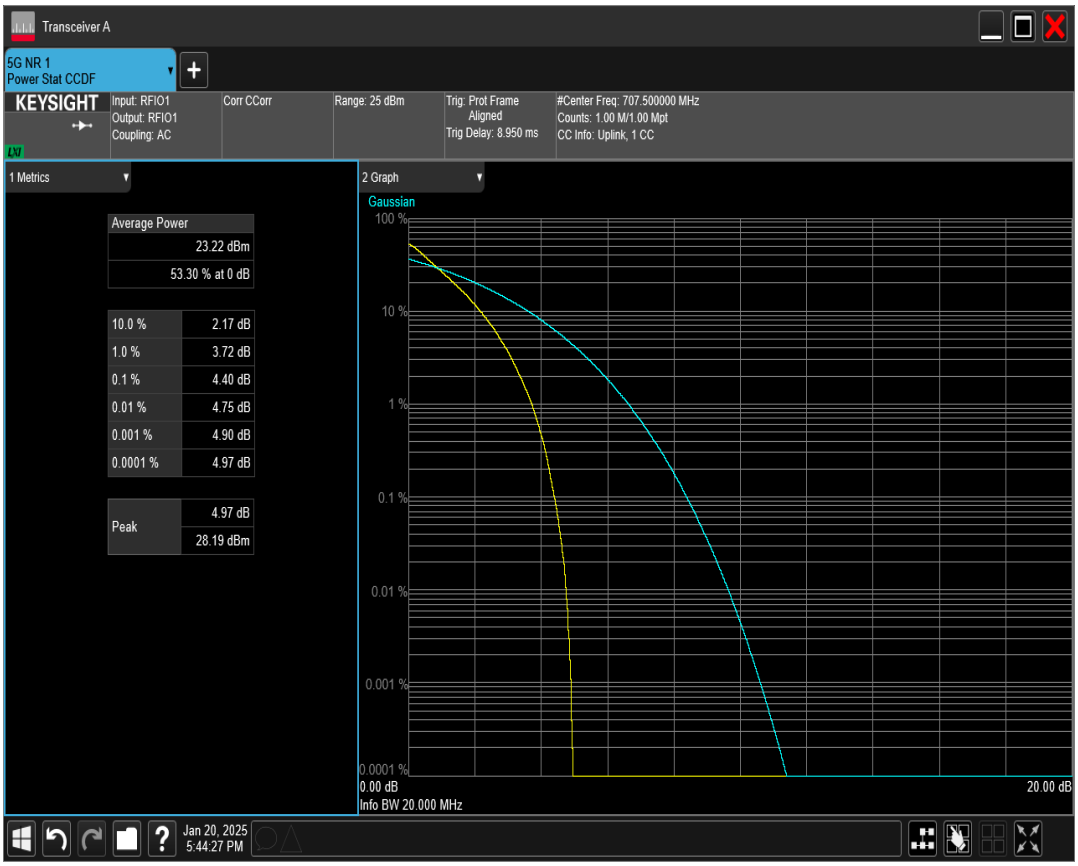
n12 SCS=15kHz DFT_QAM64 BW=10MHz Channel=141500 RB=50@0



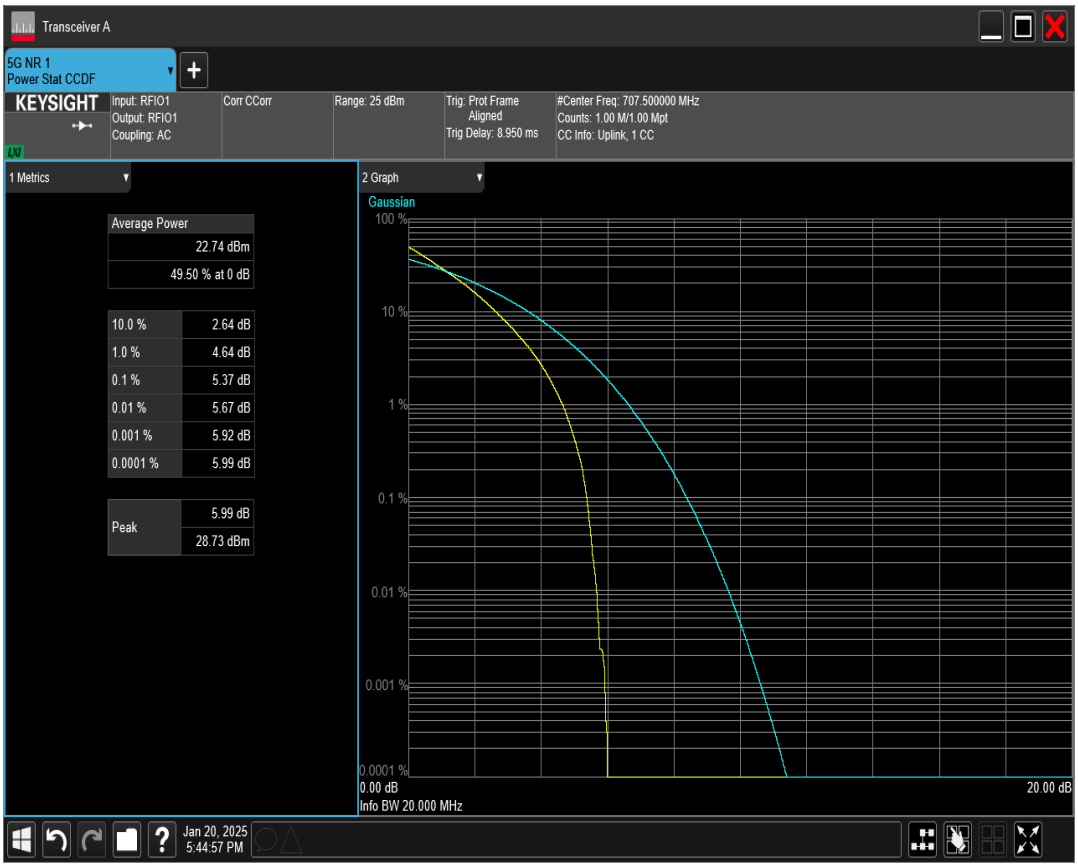
n12 SCS=15kHz DFT_QAM256 BW=10MHz Channel=141500 RB=50@0



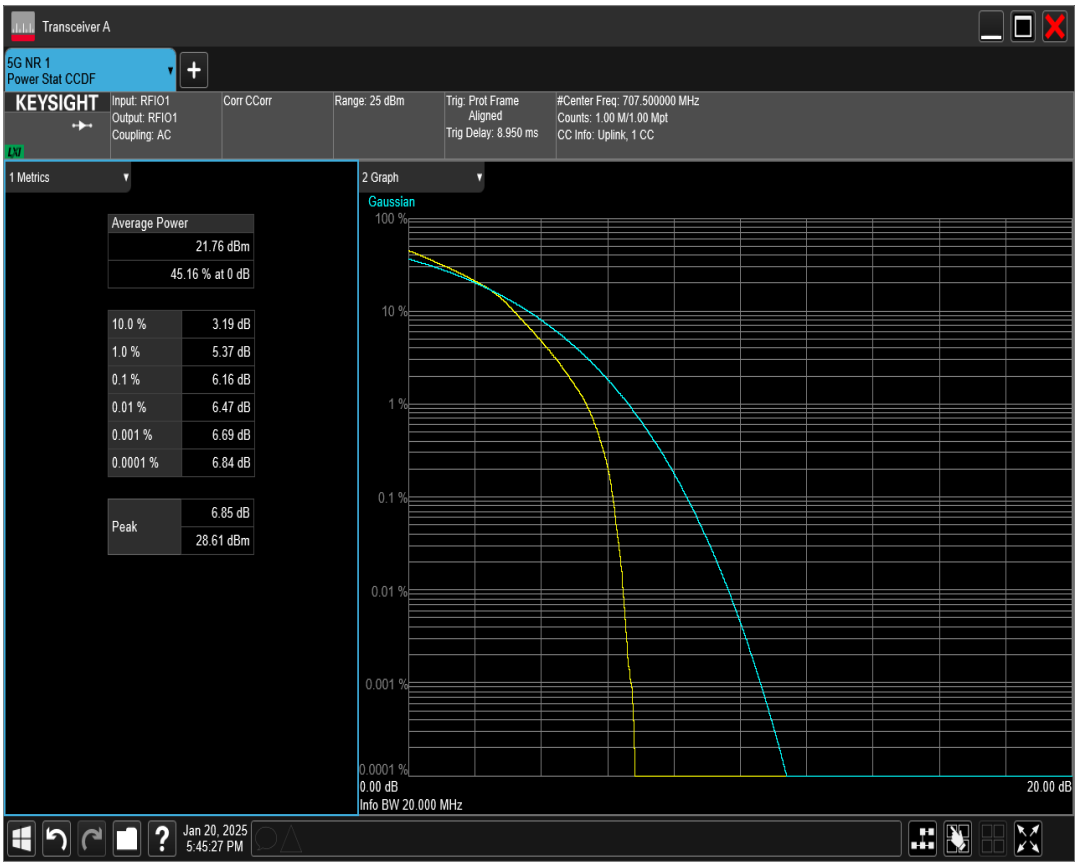
n12 SCS=15kHz DFT_BPSK BW=15MHz Channel=141500 RB=75@0



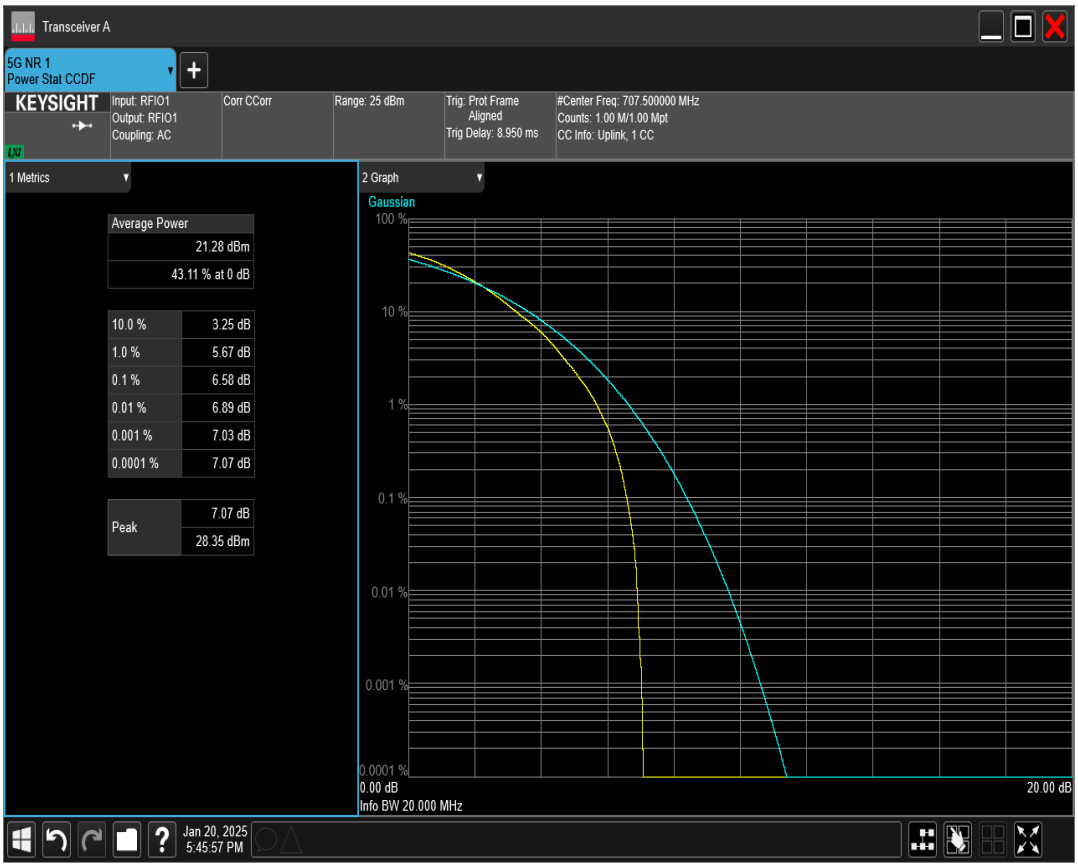
n12 SCS=15kHz DFT_QPSK BW=15MHz Channel=141500 RB=75@0



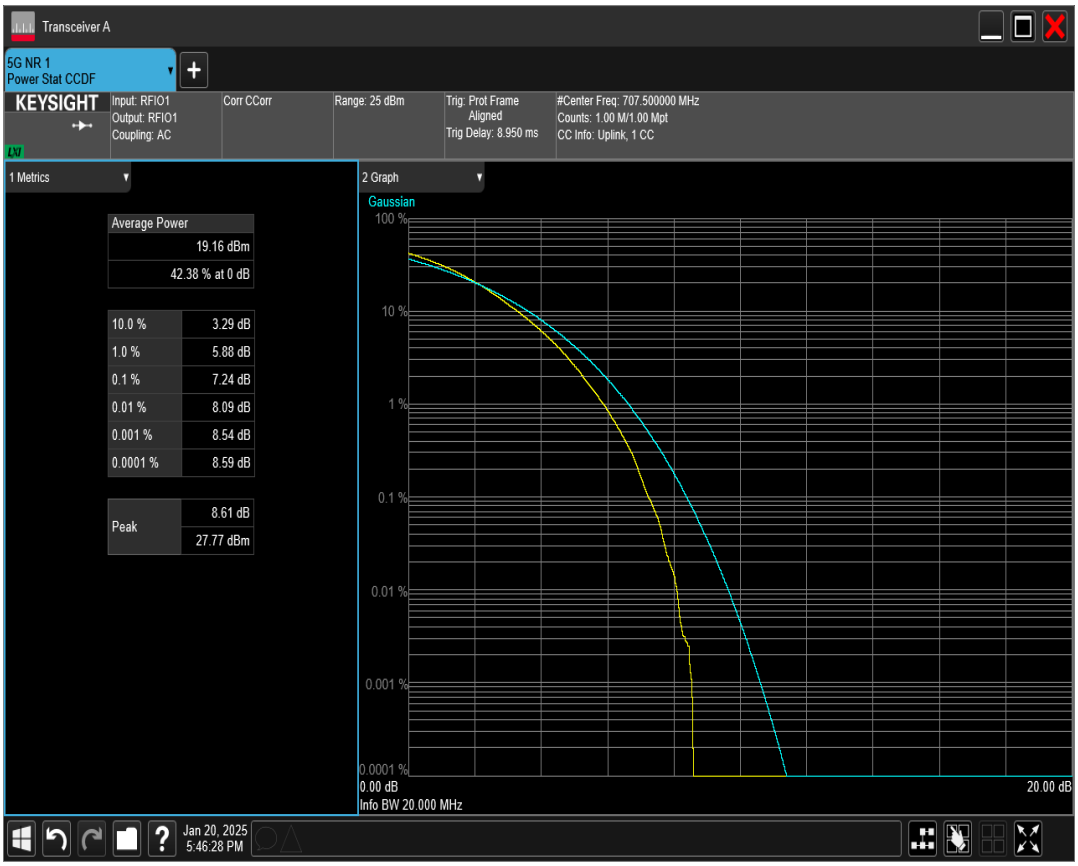
n12 SCS=15kHz DFT_QAM16 BW=15MHz Channel=141500 RB=75@0



n12 SCS=15kHz DFT_QAM64 BW=15MHz Channel=141500 RB=75@0



n12 SCS=15kHz DFT_QAM256 BW=15MHz Channel=141500 RB=75@0

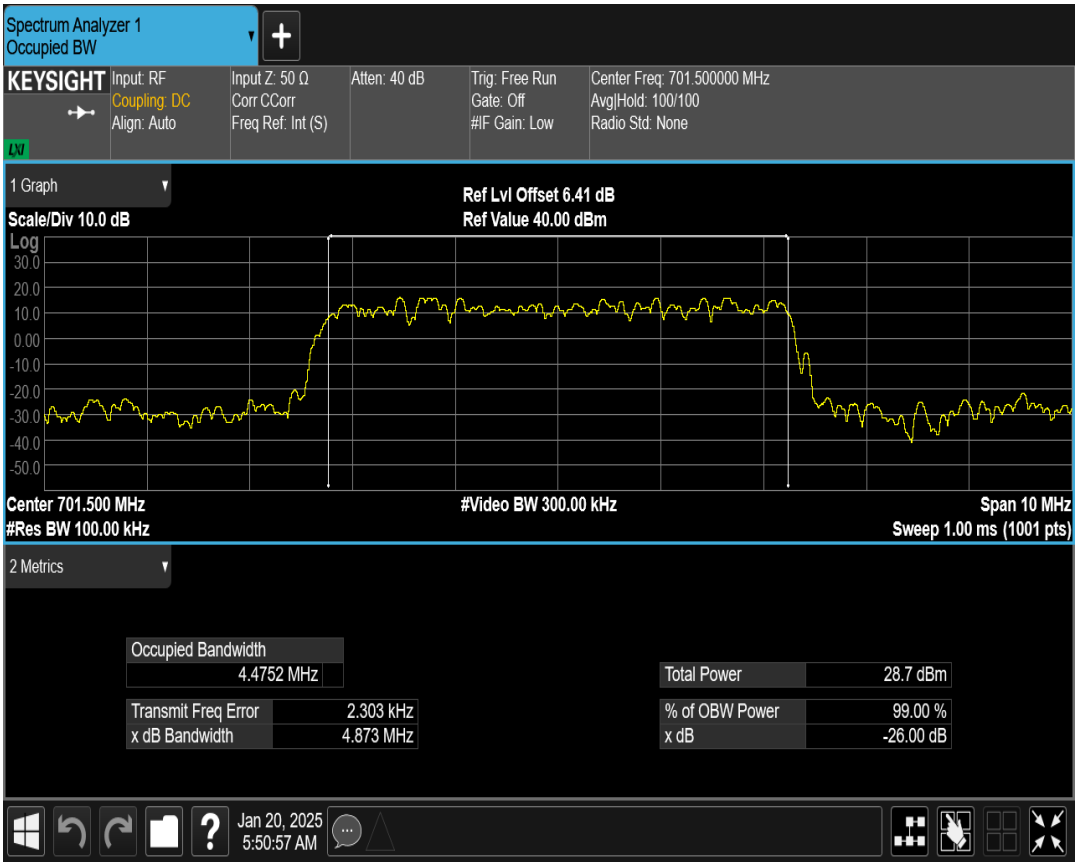


4 Occupied bandwidth for NR FR1

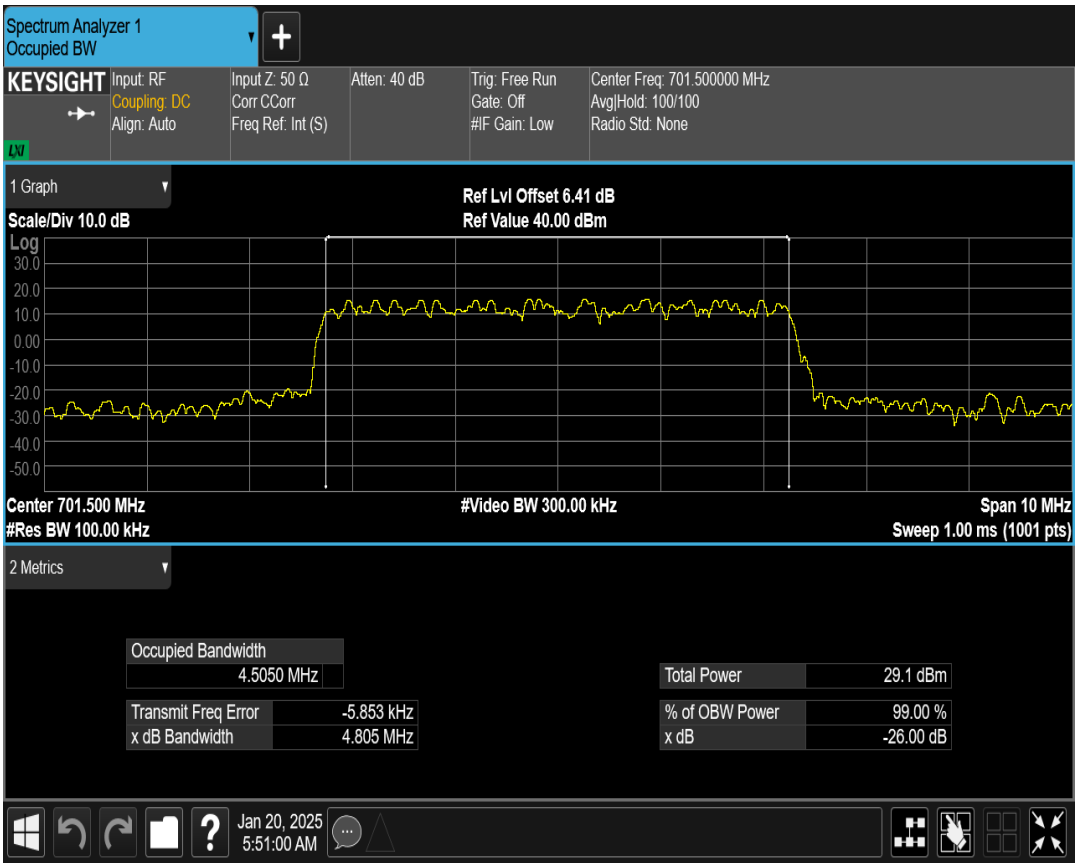
Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
n12	15	5	140300	25@0	DFT_BPSK	4.475	4.873	PASS
n12	15	5	140300	25@0	DFT_QPSK	4.505	4.805	PASS
n12	15	5	140300	25@0	DFT_QAM16	4.481	4.762	PASS
n12	15	5	140300	25@0	DFT_QAM64	4.512	4.837	PASS
n12	15	5	140300	25@0	DFT_QAM256	4.507	4.842	PASS
n12	15	5	140300	25@0	CP_QPSK	4.502	4.881	PASS
n12	15	5	141500	25@0	DFT_BPSK	4.515	4.735	PASS
n12	15	5	141500	25@0	DFT_QPSK	4.489	4.800	PASS
n12	15	5	141500	25@0	DFT_QAM16	4.474	4.854	PASS
n12	15	5	141500	25@0	DFT_QAM64	4.487	4.751	PASS
n12	15	5	141500	25@0	DFT_QAM256	4.484	4.768	PASS
n12	15	5	141500	25@0	CP_QPSK	4.465	4.795	PASS
n12	15	5	142700	25@0	DFT_BPSK	4.473	4.762	PASS
n12	15	5	142700	25@0	DFT_QPSK	4.490	4.746	PASS
n12	15	5	142700	25@0	DFT_QAM16	4.483	4.787	PASS
n12	15	5	142700	25@0	DFT_QAM64	4.499	4.808	PASS
n12	15	5	142700	25@0	DFT_QAM256	4.488	4.785	PASS
n12	15	5	142700	25@0	CP_QPSK	4.471	4.851	PASS
n12	15	10	140800	50@0	DFT_BPSK	8.995	9.431	PASS
n12	15	10	140800	50@0	DFT_QPSK	8.980	9.465	PASS
n12	15	10	140800	50@0	DFT_QAM16	8.896	9.479	PASS
n12	15	10	140800	50@0	DFT_QAM64	8.997	9.434	PASS
n12	15	10	140800	50@0	DFT_QAM256	9.040	9.442	PASS
n12	15	10	140800	52@0	CP_QPSK	9.355	9.823	PASS
n12	15	10	141500	50@0	DFT_BPSK	8.969	9.452	PASS
n12	15	10	141500	50@0	DFT_QPSK	8.969	9.452	PASS
n12	15	10	141500	50@0	DFT_QAM16	8.939	9.437	PASS
n12	15	10	141500	50@0	DFT_QAM64	8.976	9.447	PASS
n12	15	10	141500	50@0	DFT_QAM256	8.962	9.449	PASS
n12	15	10	141500	52@0	CP_QPSK	9.282	9.788	PASS
n12	15	10	142200	50@0	DFT_BPSK	9.004	9.415	PASS
n12	15	10	142200	50@0	DFT_QPSK	8.963	9.438	PASS
n12	15	10	142200	50@0	DFT_QAM16	8.973	9.461	PASS
n12	15	10	142200	50@0	DFT_QAM64	8.933	9.515	PASS
n12	15	10	142200	50@0	DFT_QAM256	8.964	9.440	PASS
n12	15	10	142200	52@0	CP_QPSK	9.326	9.814	PASS
n12	15	15	141300	75@0	DFT_BPSK	13.417	14.171	PASS
n12	15	15	141300	75@0	DFT_QPSK	13.404	14.126	PASS
n12	15	15	141300	75@0	DFT_QAM16	13.500	14.162	PASS

n12	15	15	141300	75@0	DFT_QAM64	13.377	14.067	PASS
n12	15	15	141300	75@0	DFT_QAM256	13.495	14.183	PASS
n12	15	15	141300	79@0	CP_QPSK	14.176	14.813	PASS
n12	15	15	141500	75@0	DFT_BPSK	13.503	14.195	PASS
n12	15	15	141500	75@0	DFT_QPSK	13.458	14.251	PASS
n12	15	15	141500	75@0	DFT_QAM16	13.449	14.219	PASS
n12	15	15	141500	75@0	DFT_QAM64	13.497	14.093	PASS
n12	15	15	141500	75@0	DFT_QAM256	13.497	14.126	PASS
n12	15	15	141500	79@0	CP_QPSK	14.127	14.866	PASS
n12	15	15	141700	75@0	DFT_BPSK	13.405	14.136	PASS
n12	15	15	141700	75@0	DFT_QPSK	13.420	14.121	PASS
n12	15	15	141700	75@0	DFT_QAM16	13.515	14.177	PASS
n12	15	15	141700	75@0	DFT_QAM64	13.513	14.132	PASS
n12	15	15	141700	75@0	DFT_QAM256	13.502	14.111	PASS
n12	15	15	141700	79@0	CP_QPSK	14.149	14.845	PASS

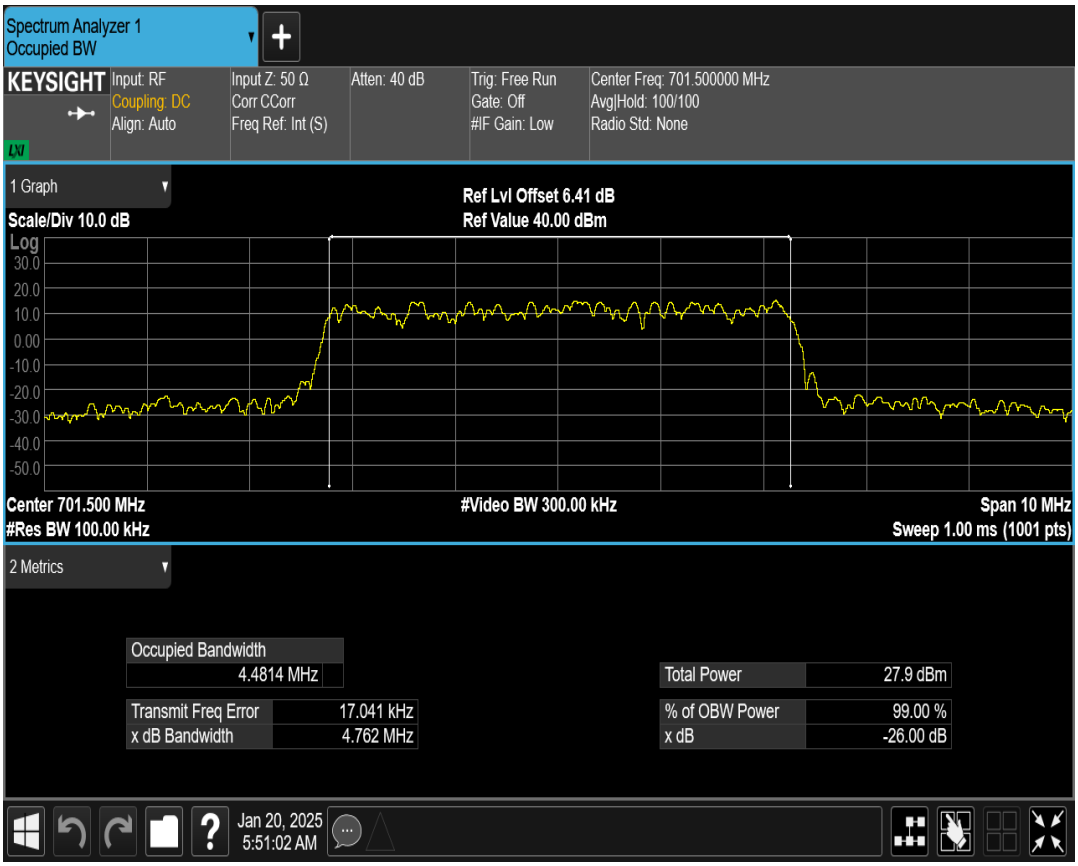
n12 SCS=15kHz DFT_BPSK BW=5MHz Channel=140300 RB=25@0



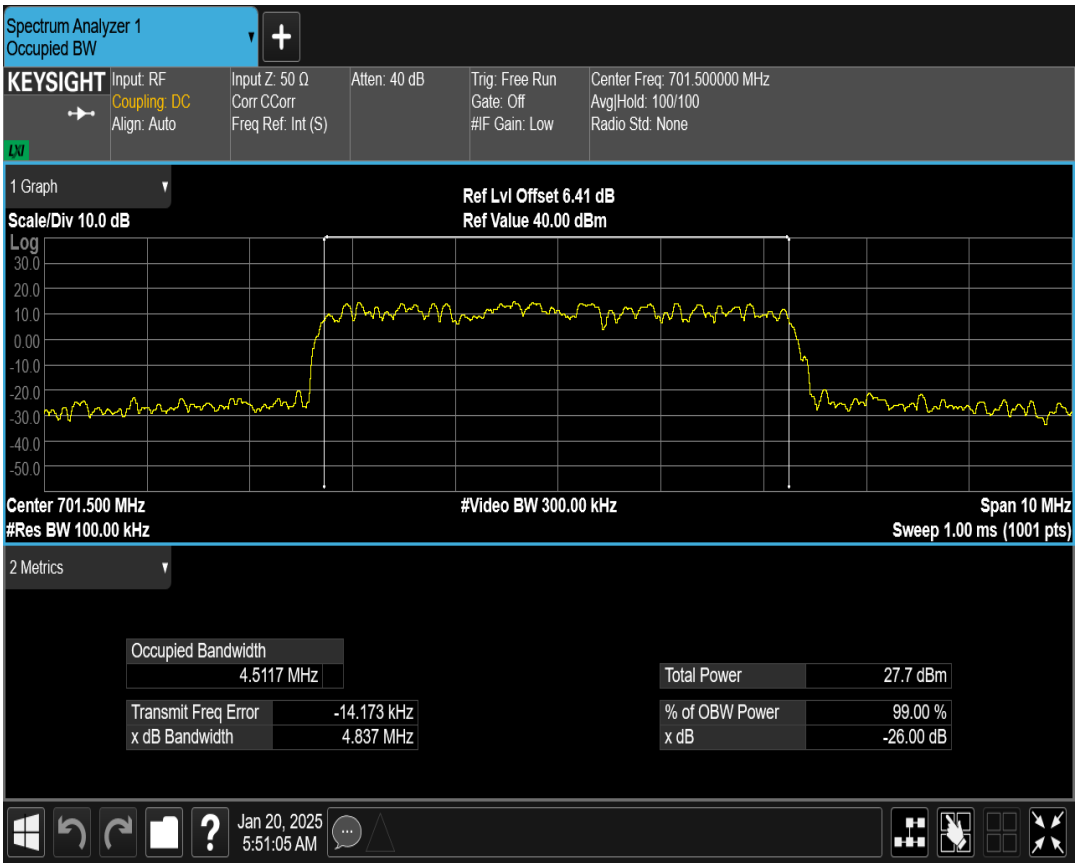
n12 SCS=15kHz DFT_QPSK BW=5MHz Channel=140300 RB=25@0



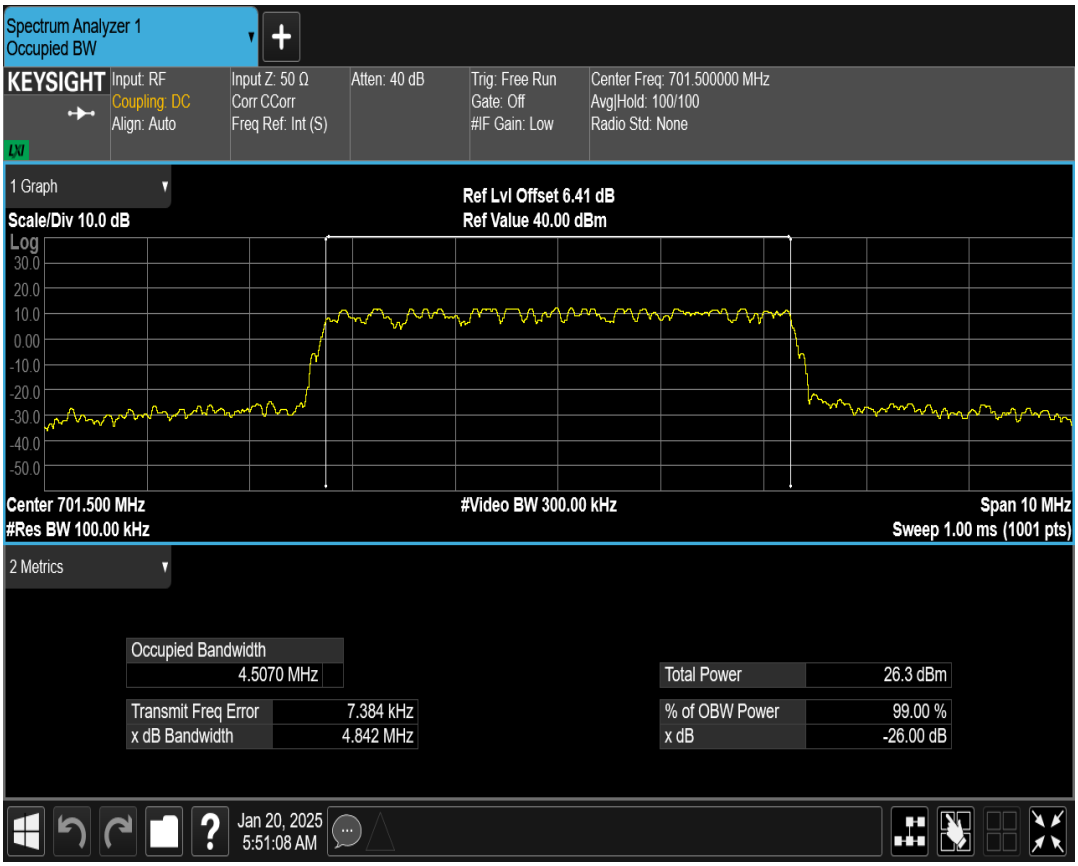
n12 SCS=15kHz DFT_QAM16 BW=5MHz Channel=140300 RB=25@0



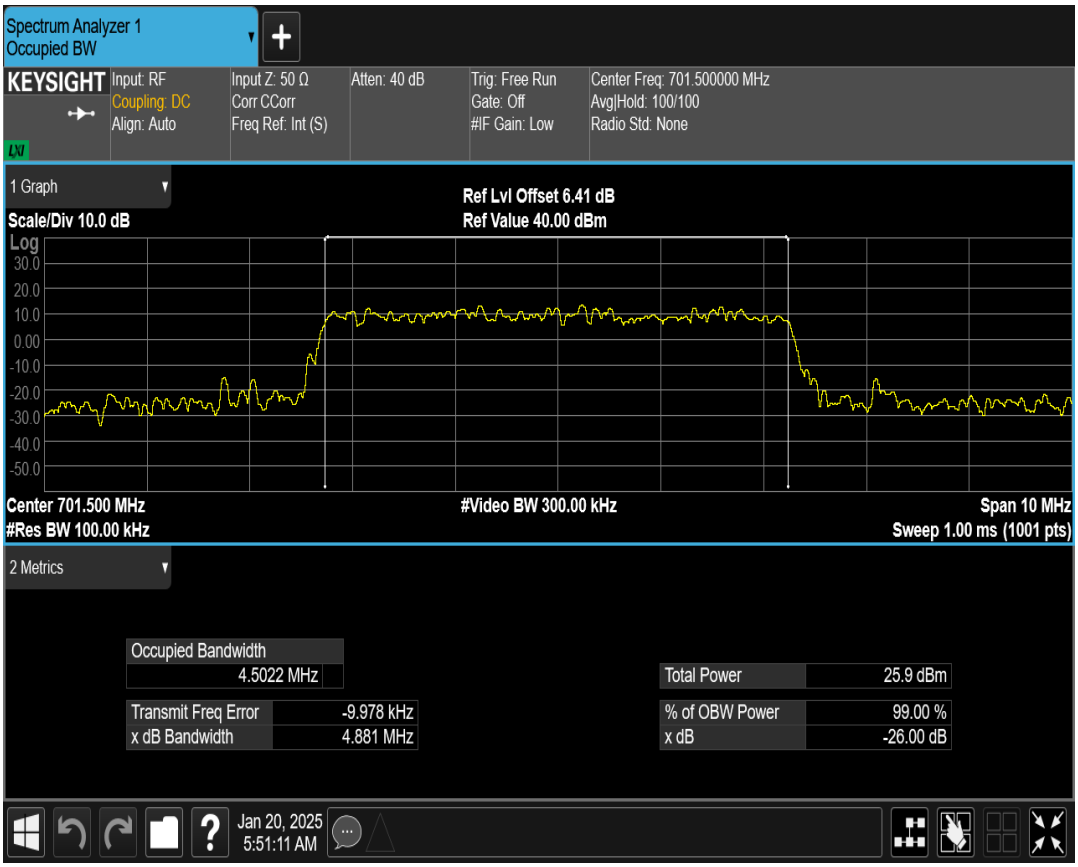
n12 SCS=15kHz DFT_QAM64 BW=5MHz Channel=140300 RB=25@0



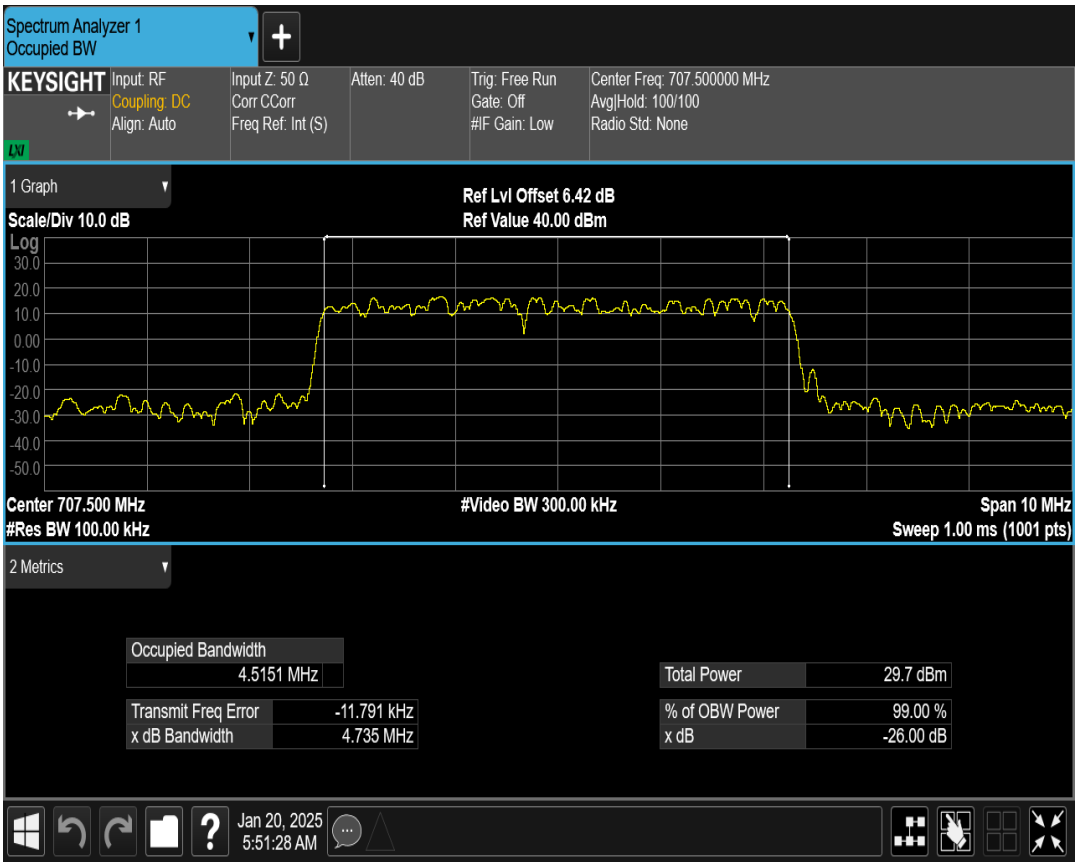
n12 SCS=15kHz DFT_QAM256 BW=5MHz Channel=140300 RB=25@0



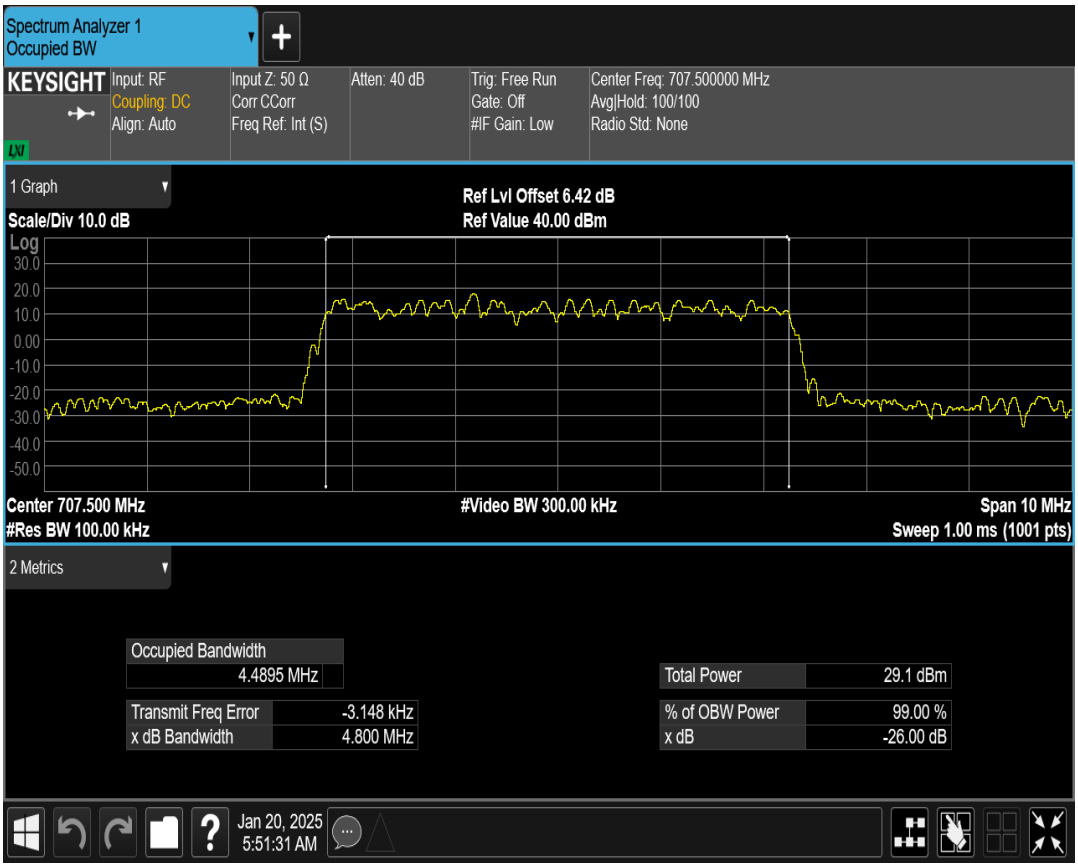
n12 SCS=15kHz CP_QPSK BW=5MHz Channel=140300 RB=25@0



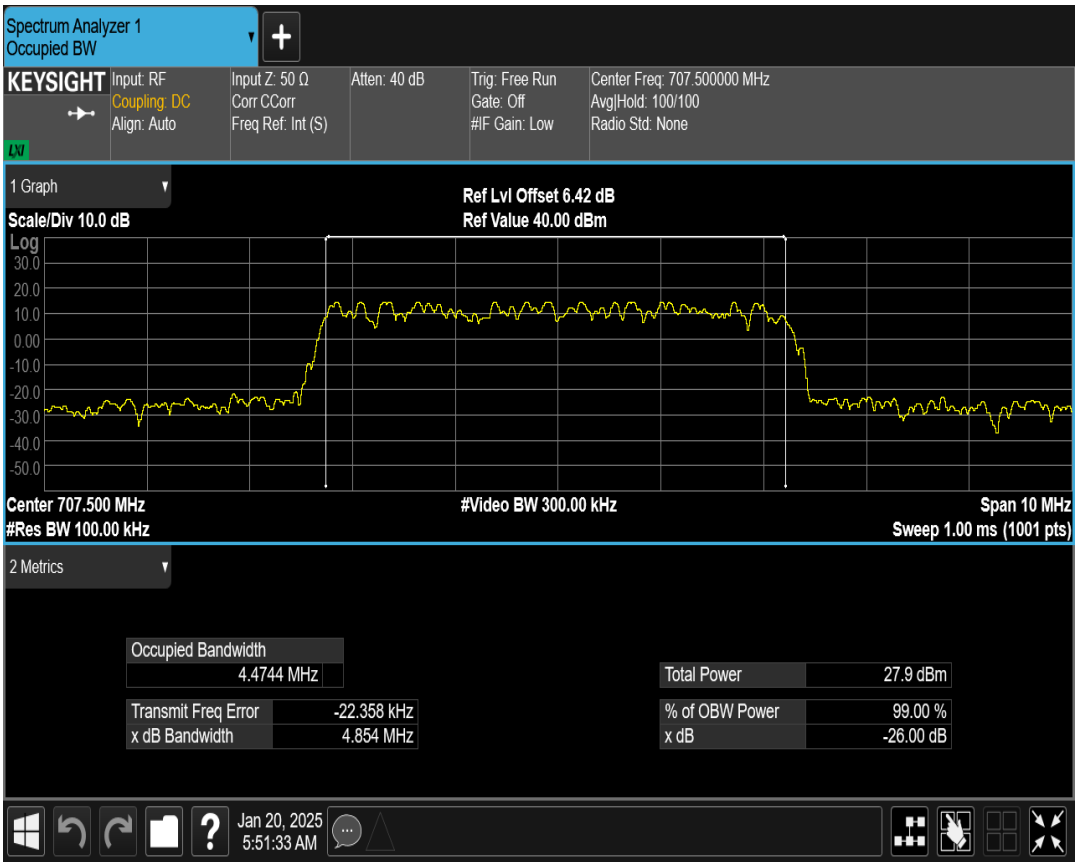
n12 SCS=15kHz DFT_BPSK BW=5MHz Channel=141500 RB=25@0



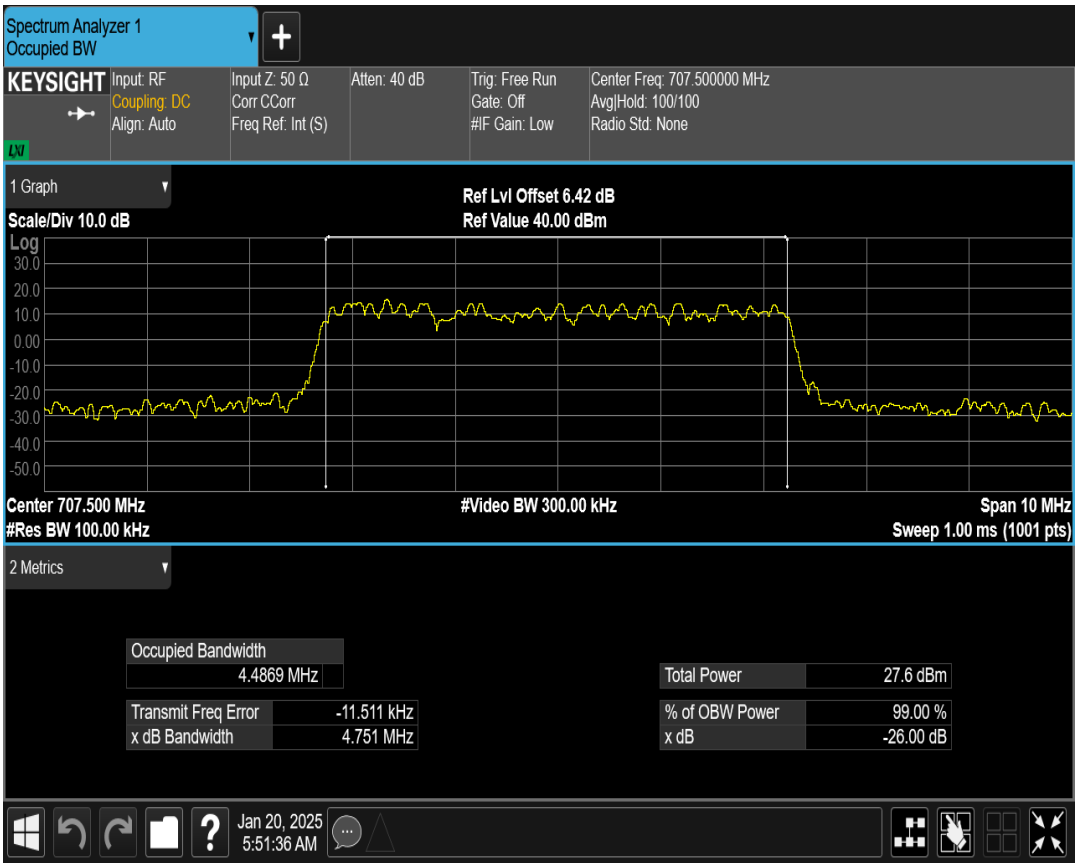
n12 SCS=15kHz DFT_QPSK BW=5MHz Channel=141500 RB=25@0



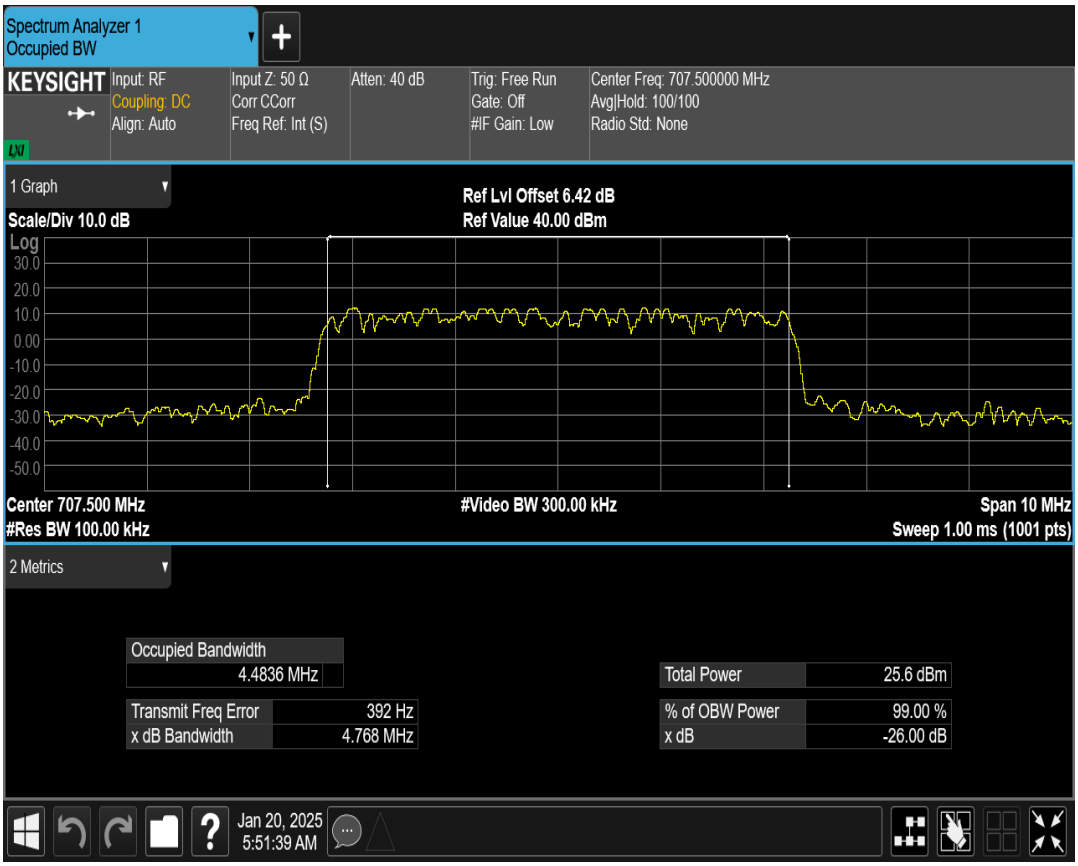
n12 SCS=15kHz DFT_QAM16 BW=5MHz Channel=141500 RB=25@0



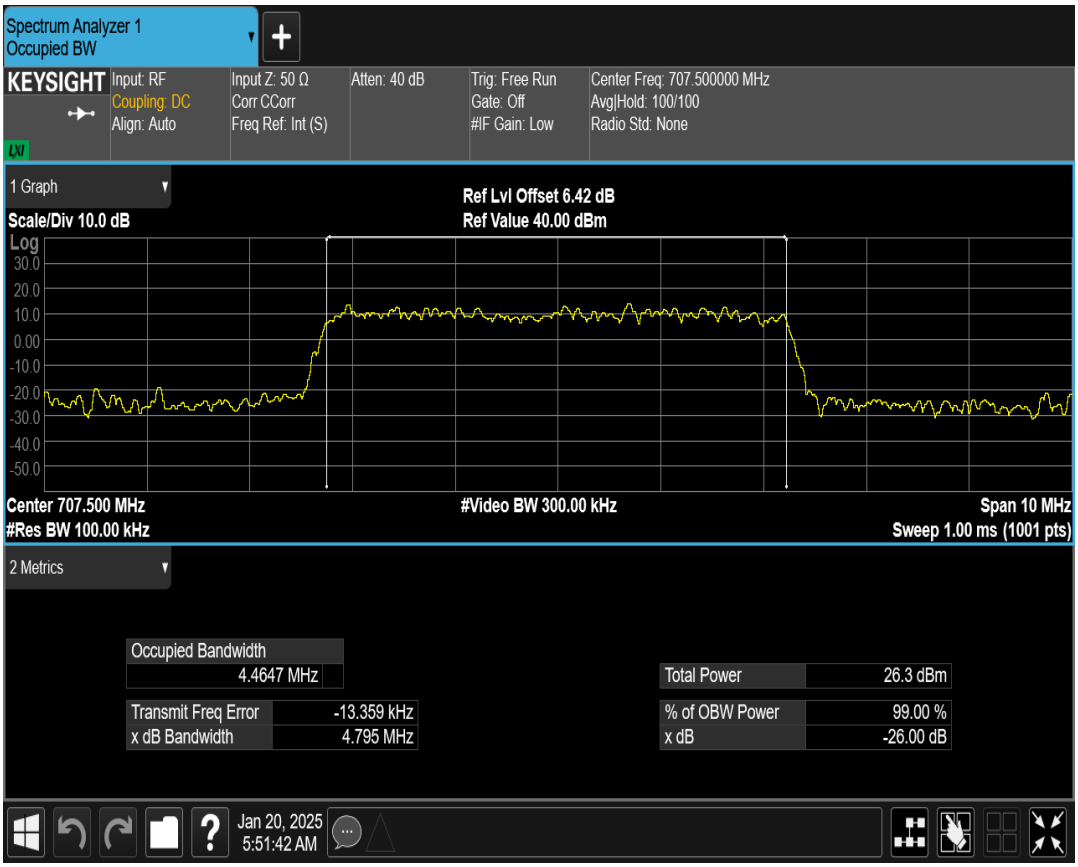
n12 SCS=15kHz DFT_QAM64 BW=5MHz Channel=141500 RB=25@0



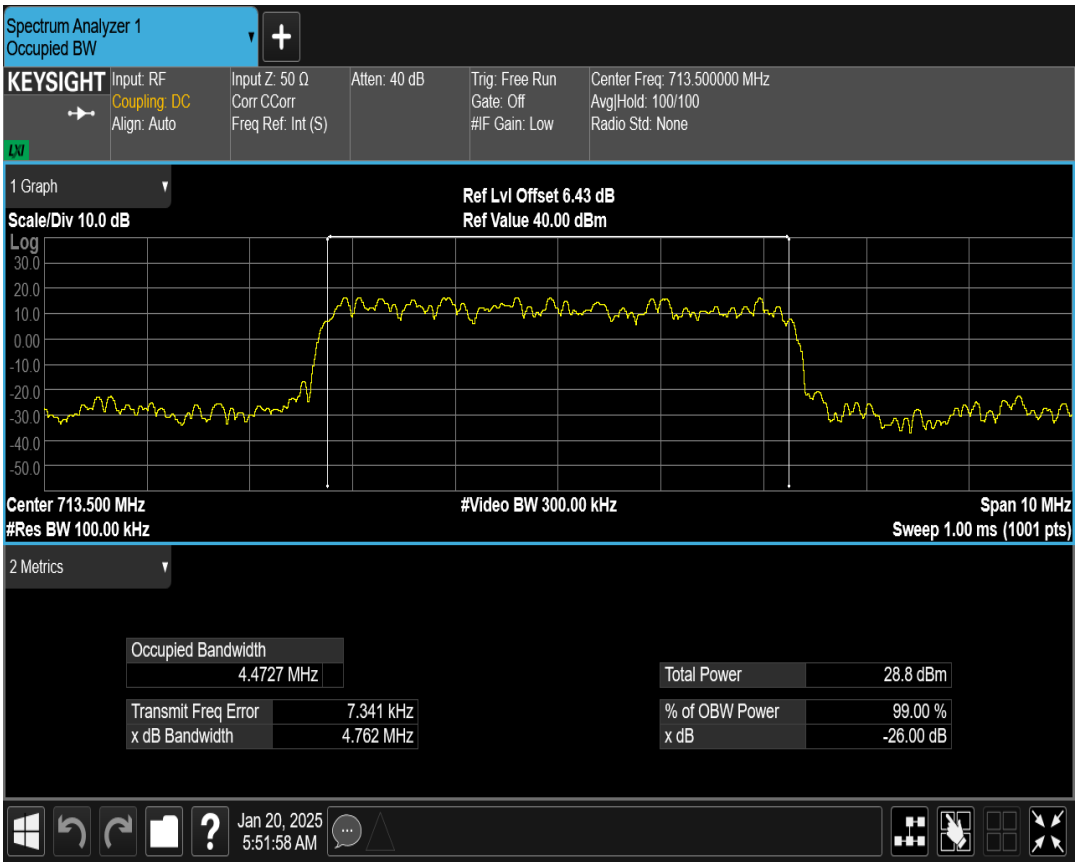
n12 SCS=15kHz DFT_QAM256 BW=5MHz Channel=141500 RB=25@0



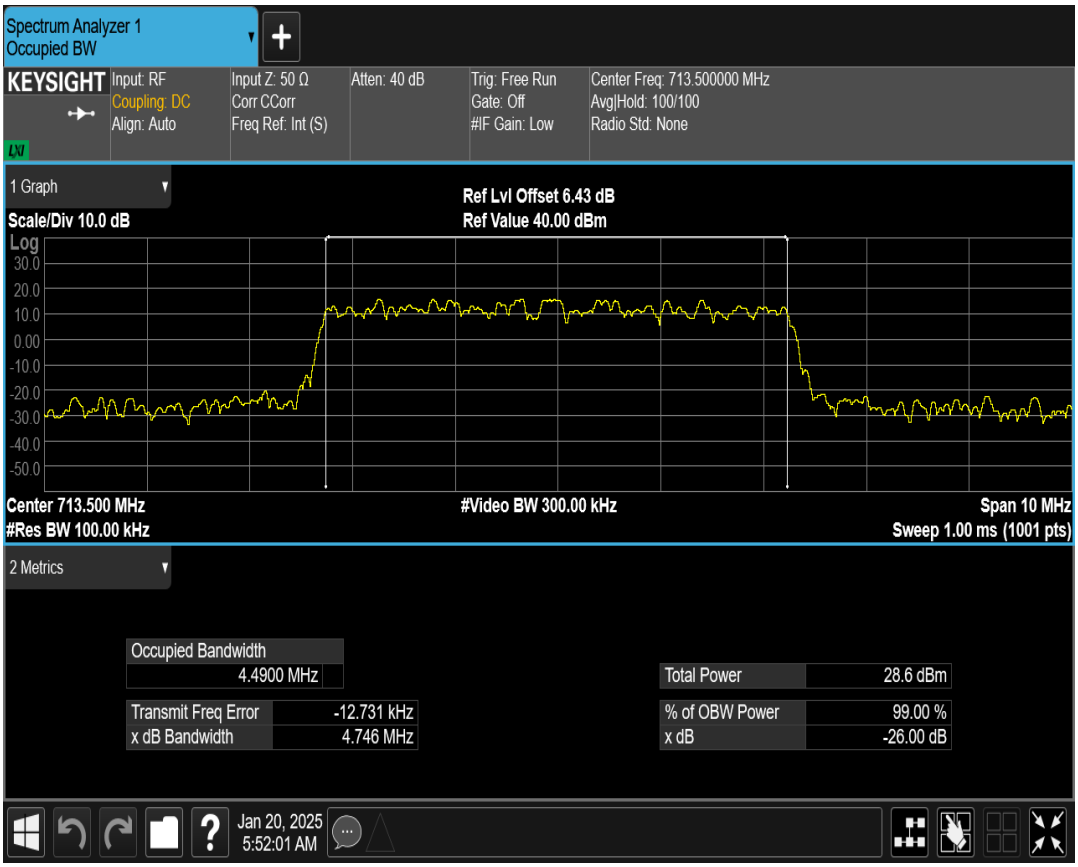
n12 SCS=15kHz CP_QPSK BW=5MHz Channel=141500 RB=25@0



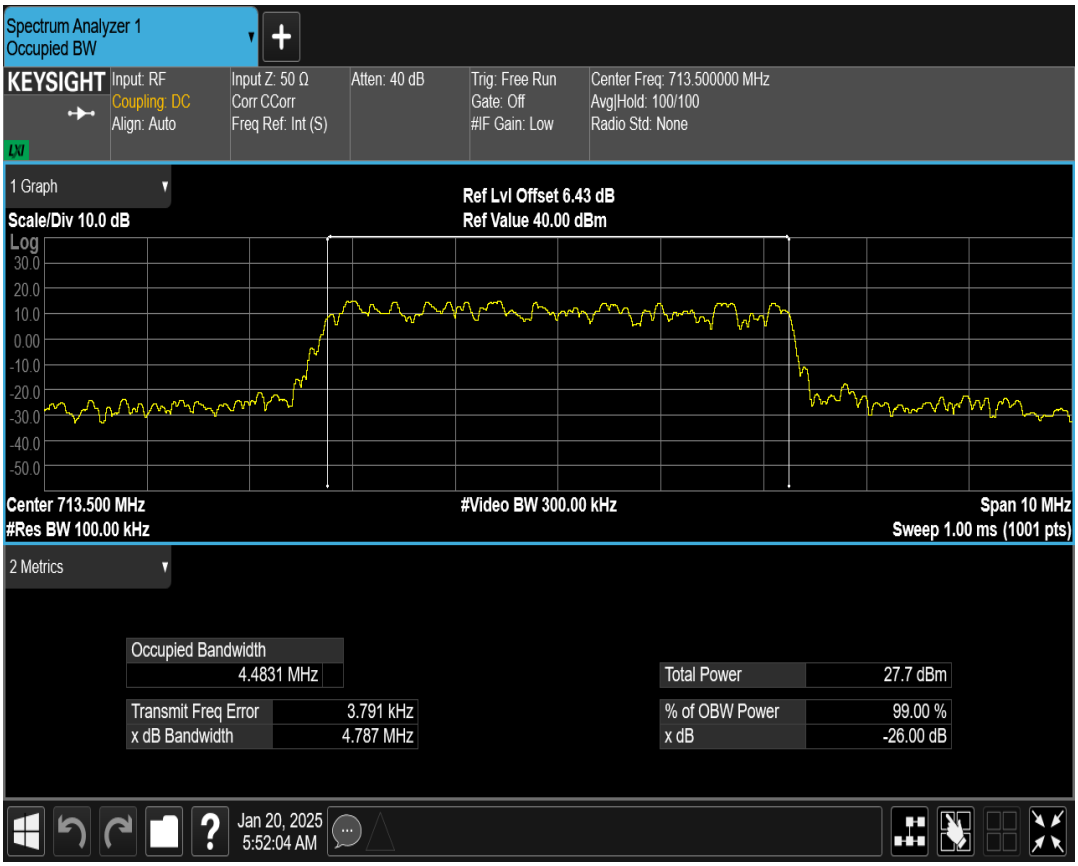
n12 SCS=15kHz DFT_BPSK BW=5MHz Channel=142700 RB=25@0



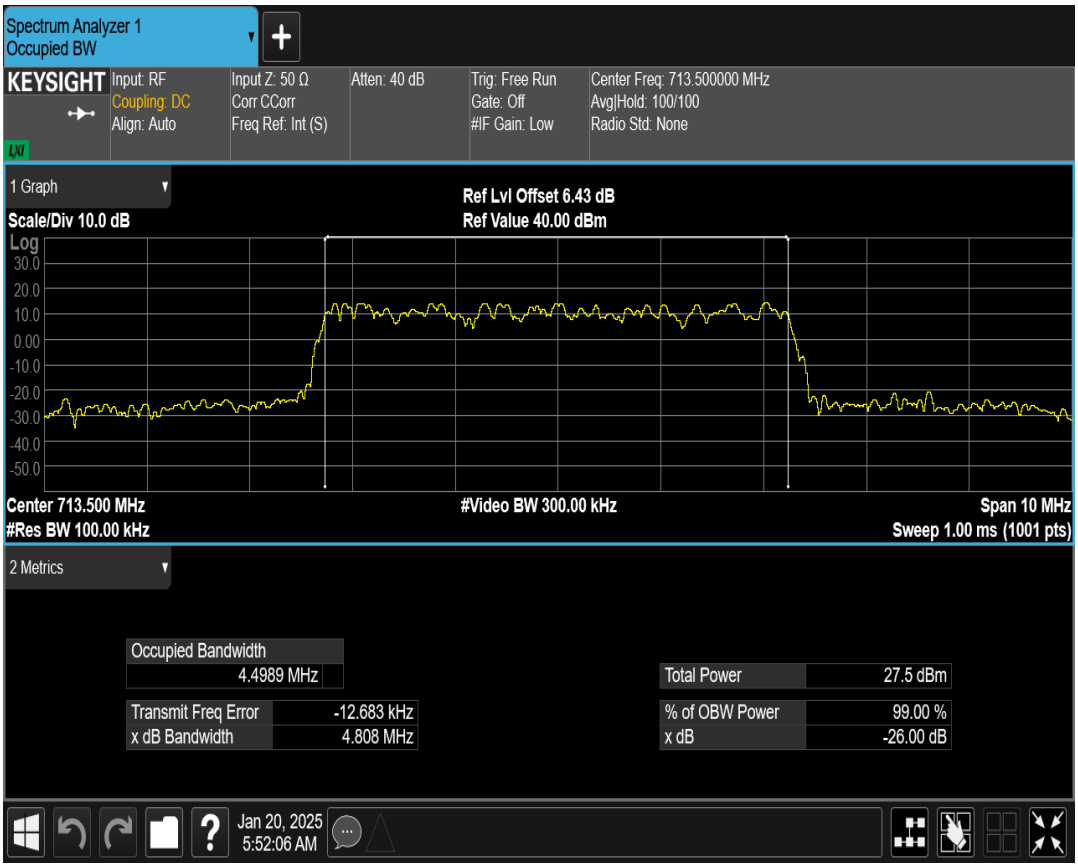
n12 SCS=15kHz DFT_QPSK BW=5MHz Channel=142700 RB=25@0



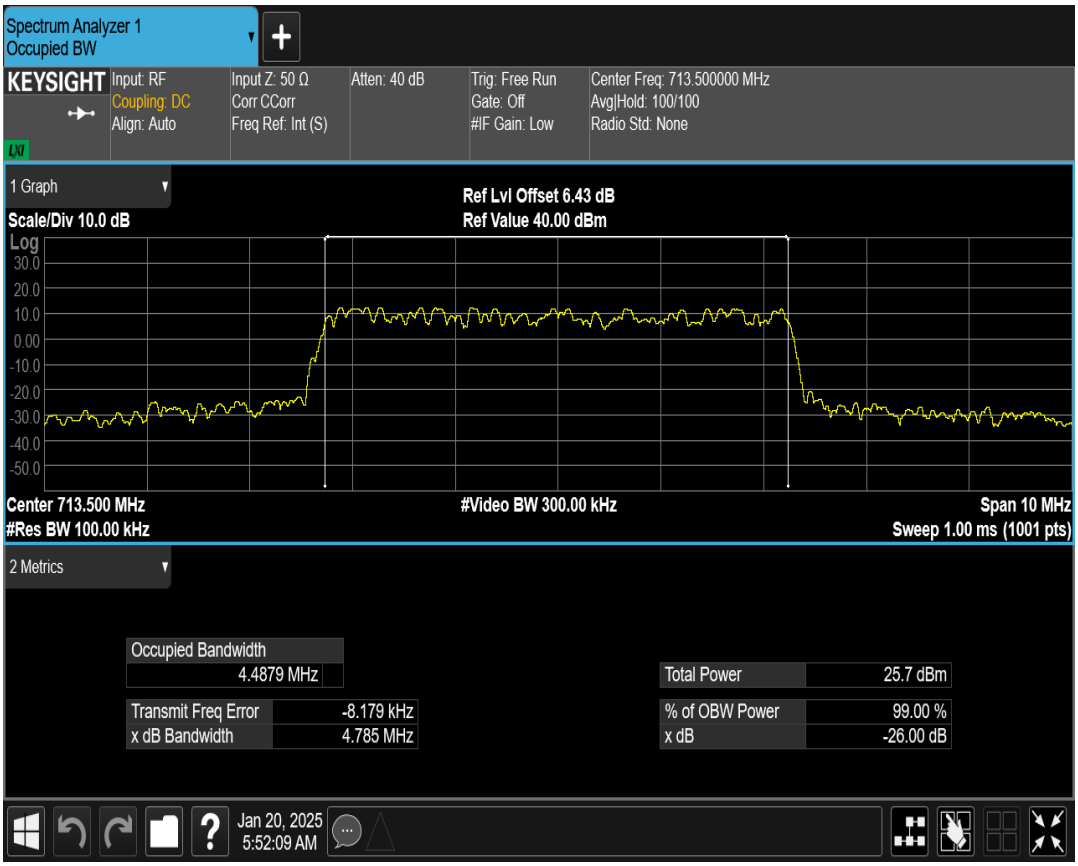
n12 SCS=15kHz DFT_QAM16 BW=5MHz Channel=142700 RB=25@0



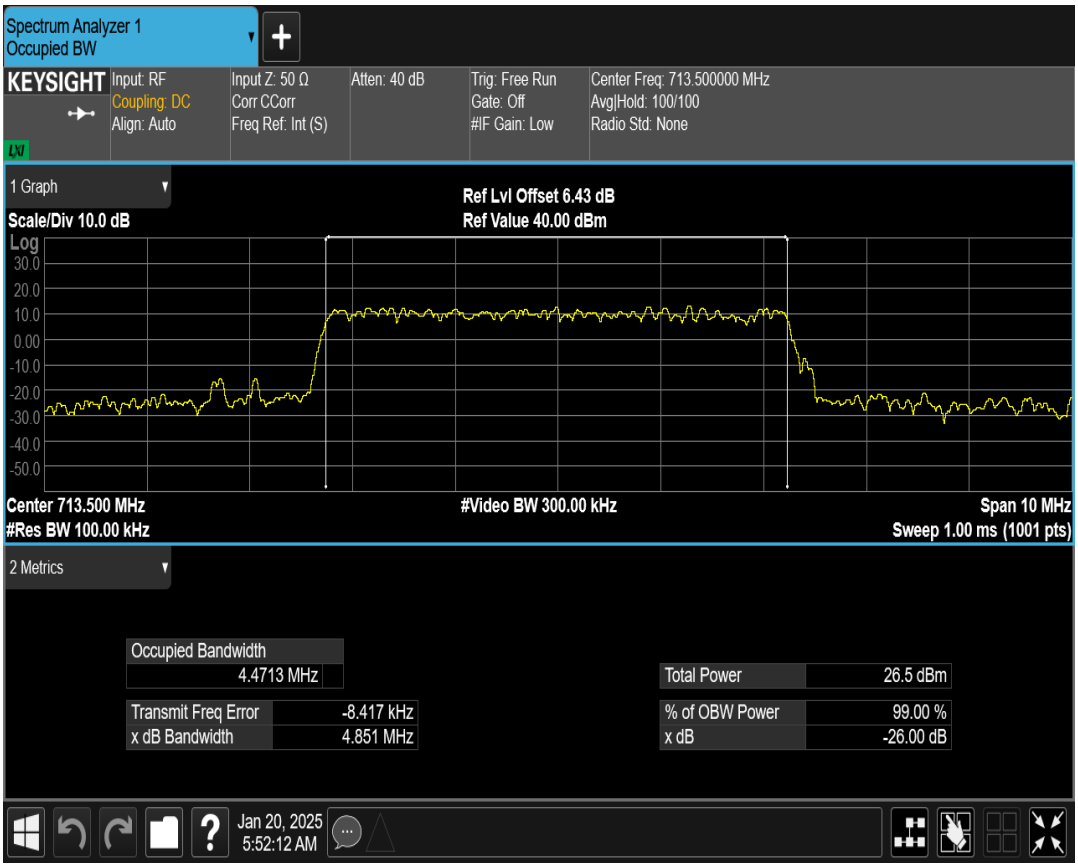
n12 SCS=15kHz DFT_QAM64 BW=5MHz Channel=142700 RB=25@0



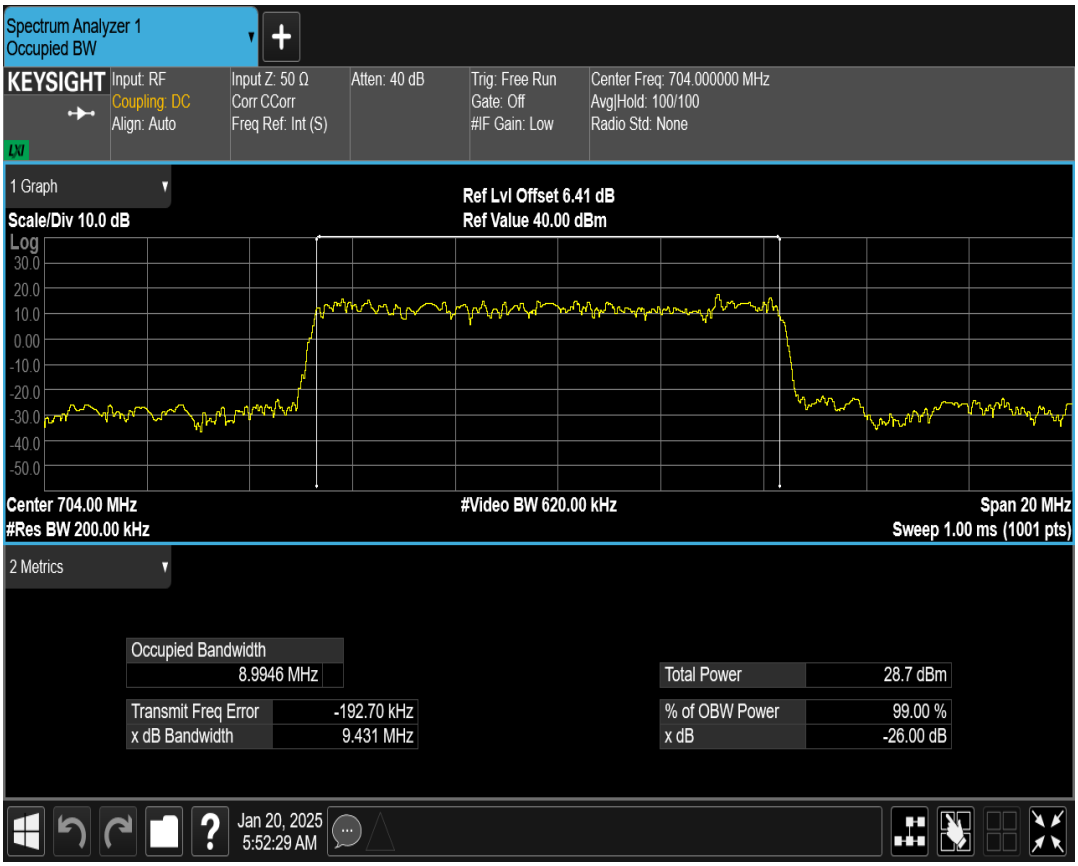
n12 SCS=15kHz DFT_QAM256 BW=5MHz Channel=142700 RB=25@0



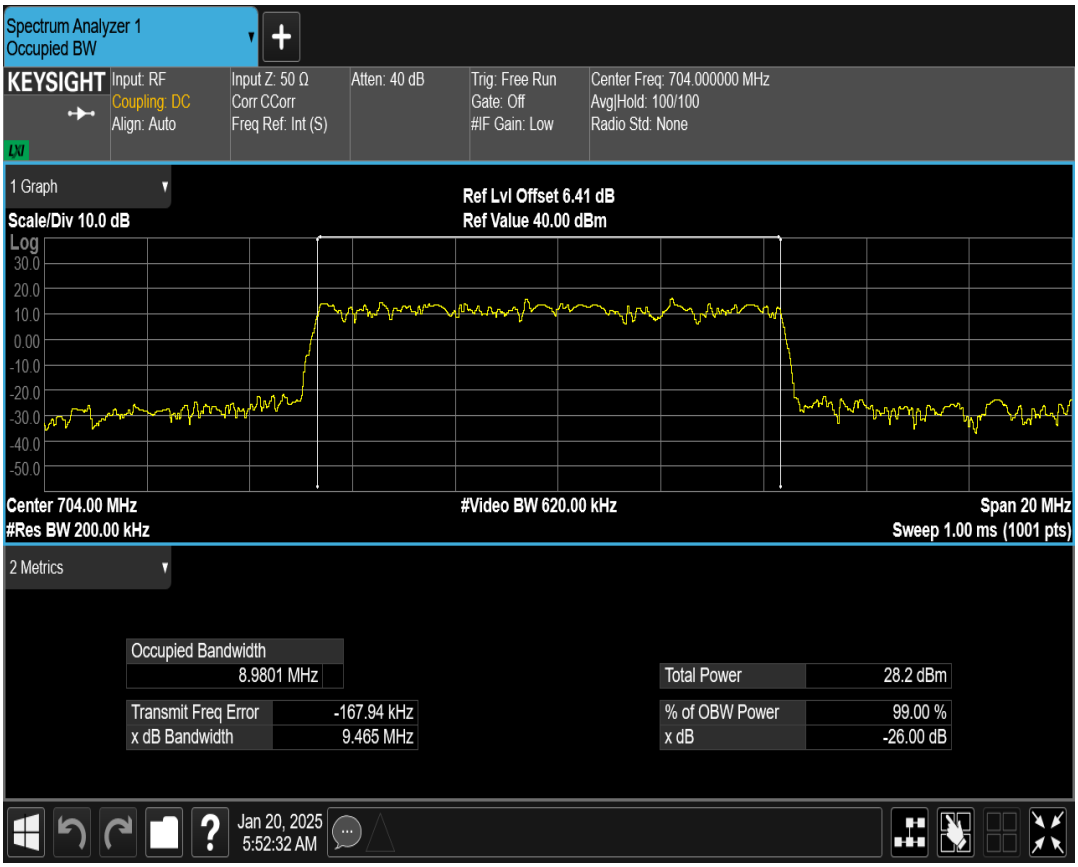
n12 SCS=15kHz CP_QPSK BW=5MHz Channel=142700 RB=25@0



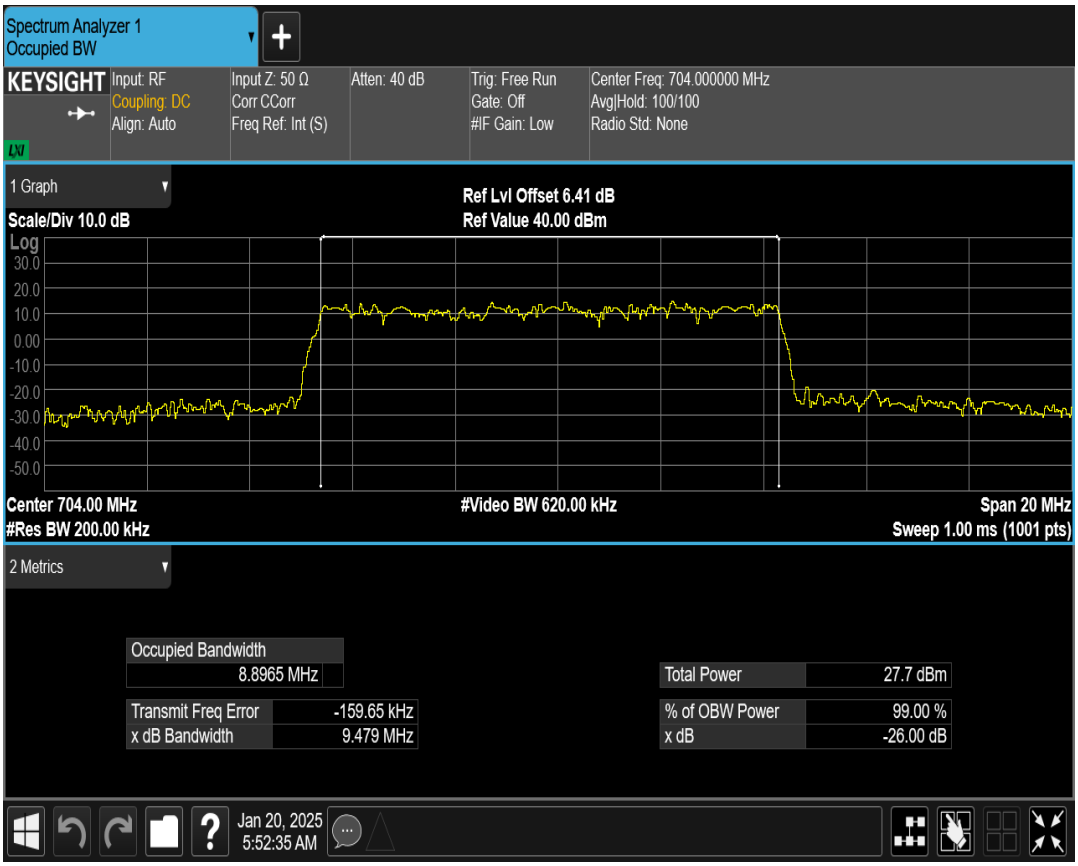
n12 SCS=15kHz DFT_BPSK BW=10MHz Channel=140800 RB=50@0



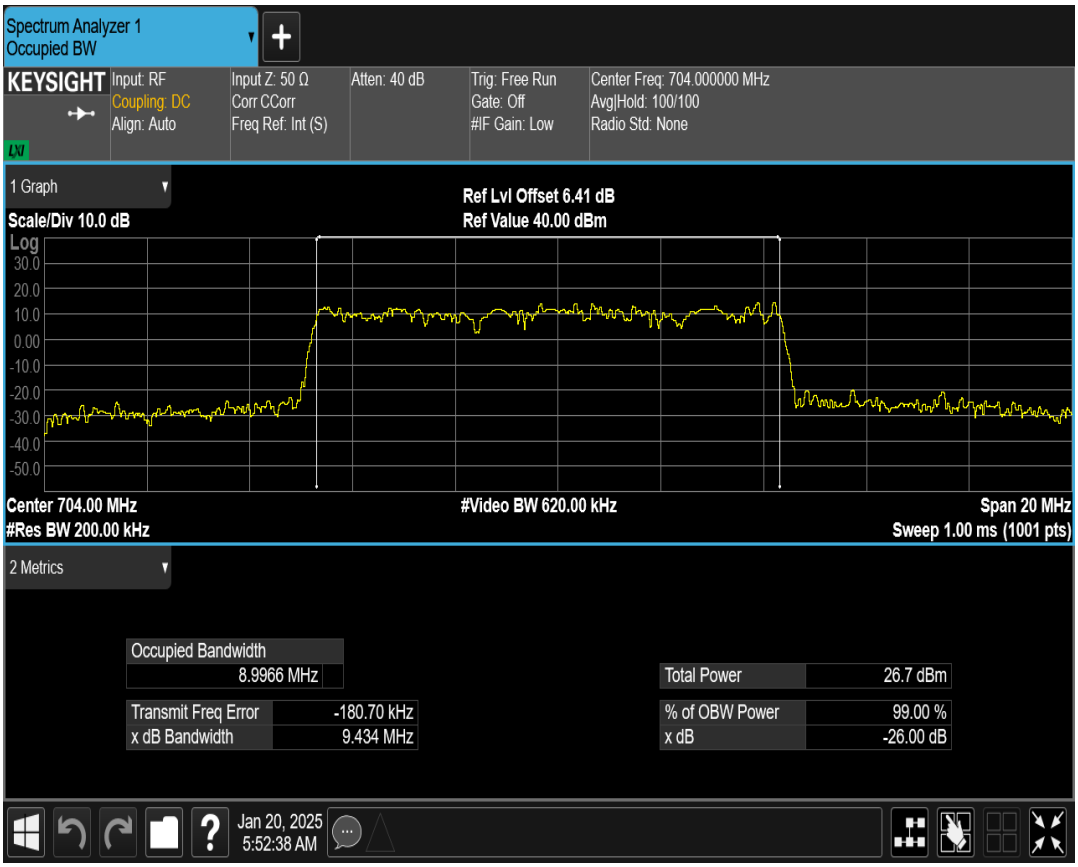
n12 SCS=15kHz DFT_QPSK BW=10MHz Channel=140800 RB=50@0



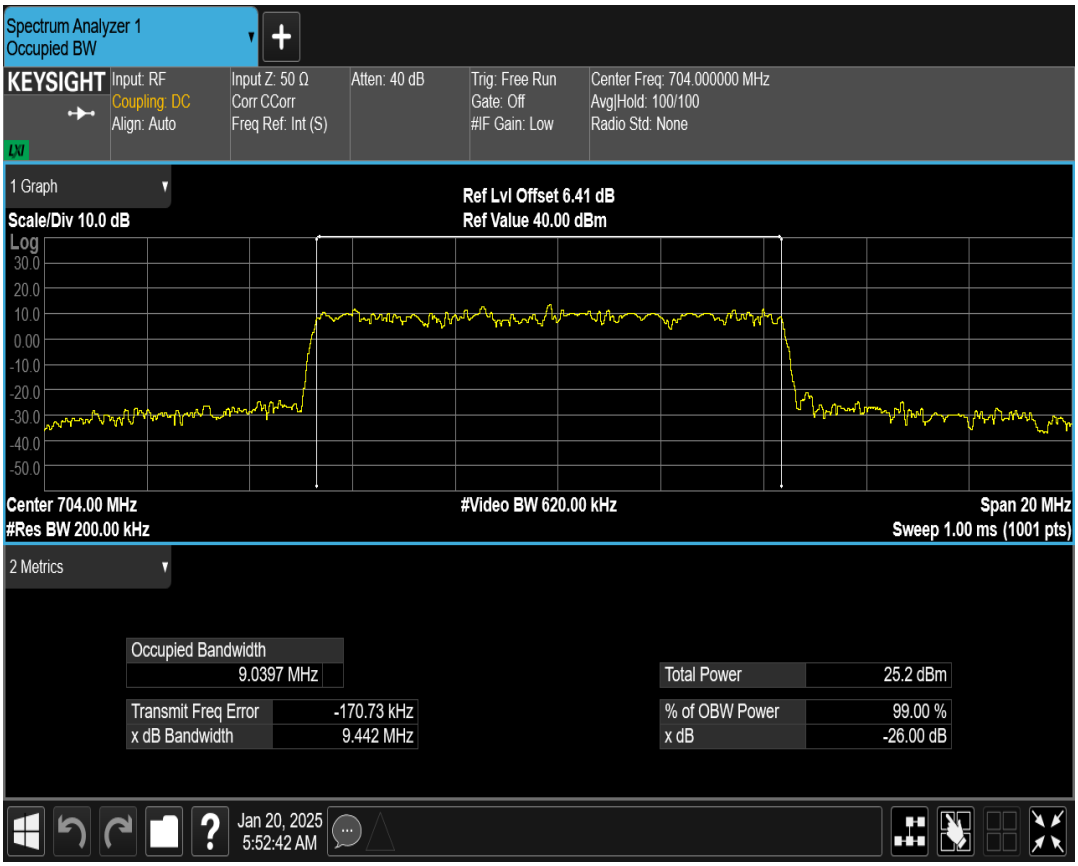
n12 SCS=15kHz DFT_QAM16 BW=10MHz Channel=140800 RB=50@0



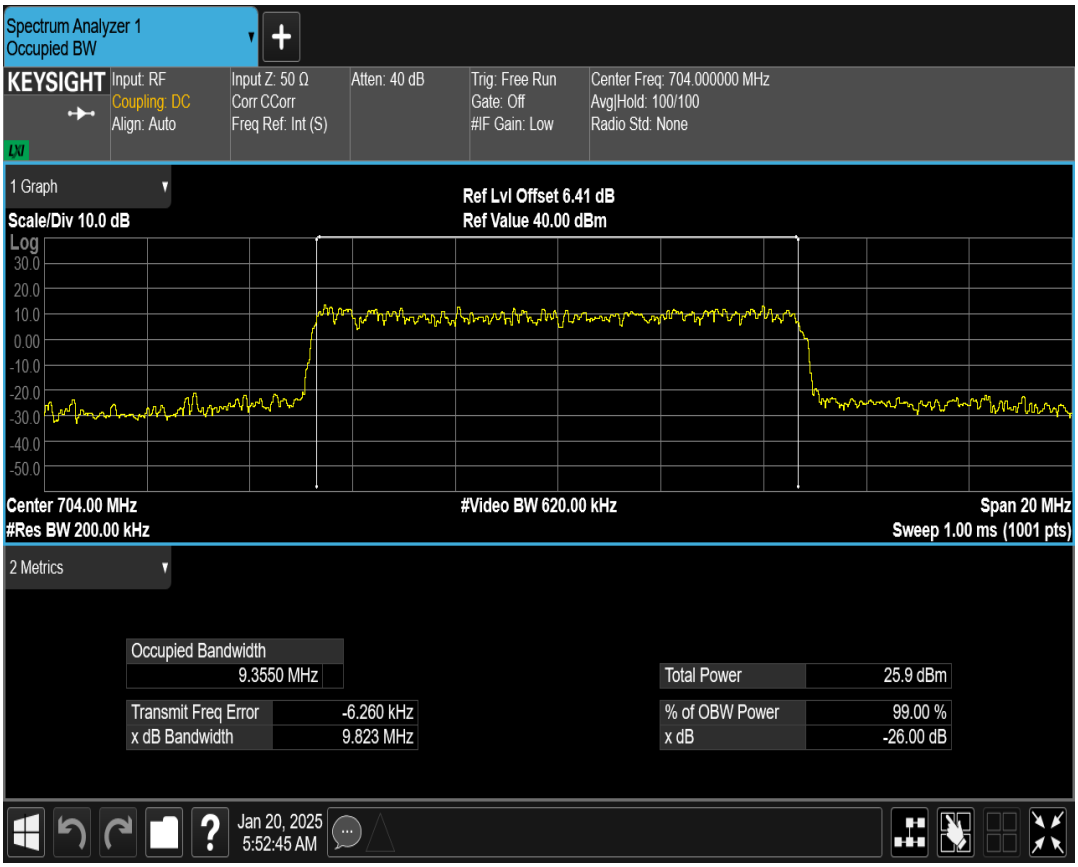
n12 SCS=15kHz DFT_QAM64 BW=10MHz Channel=140800 RB=50@0



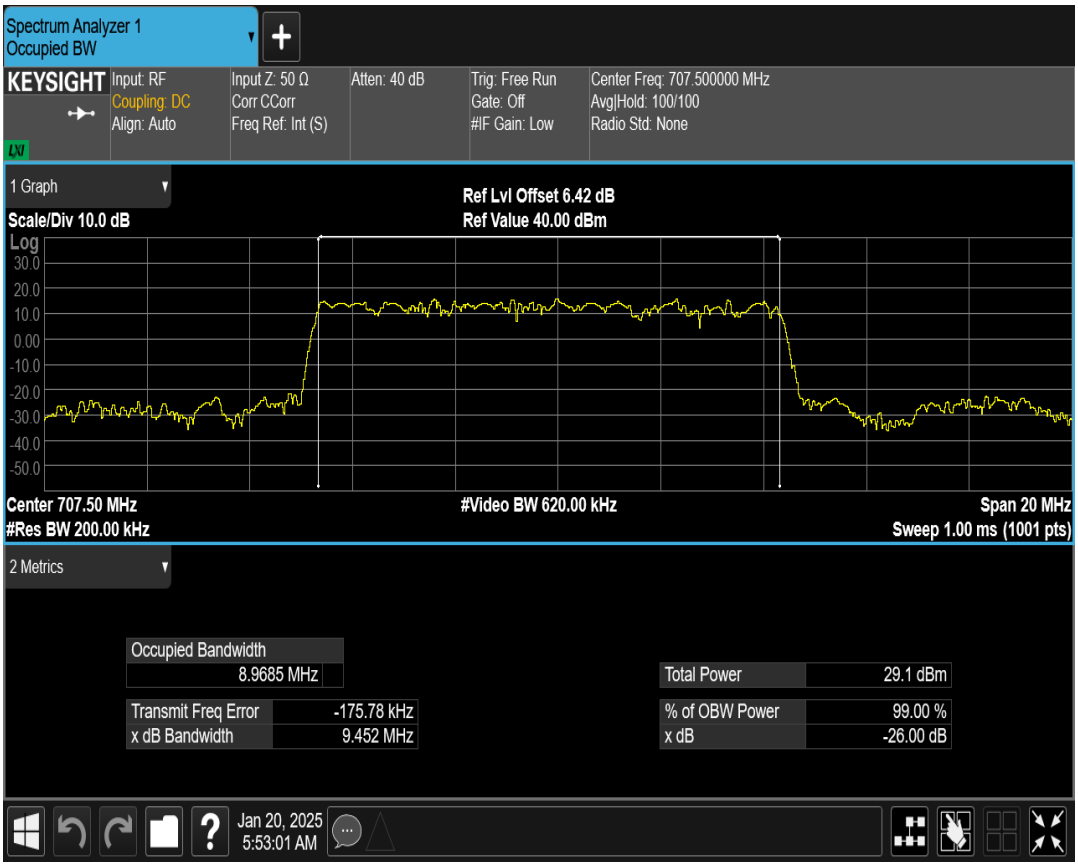
n12 SCS=15kHz DFT_QAM256 BW=10MHz Channel=140800 RB=50@0



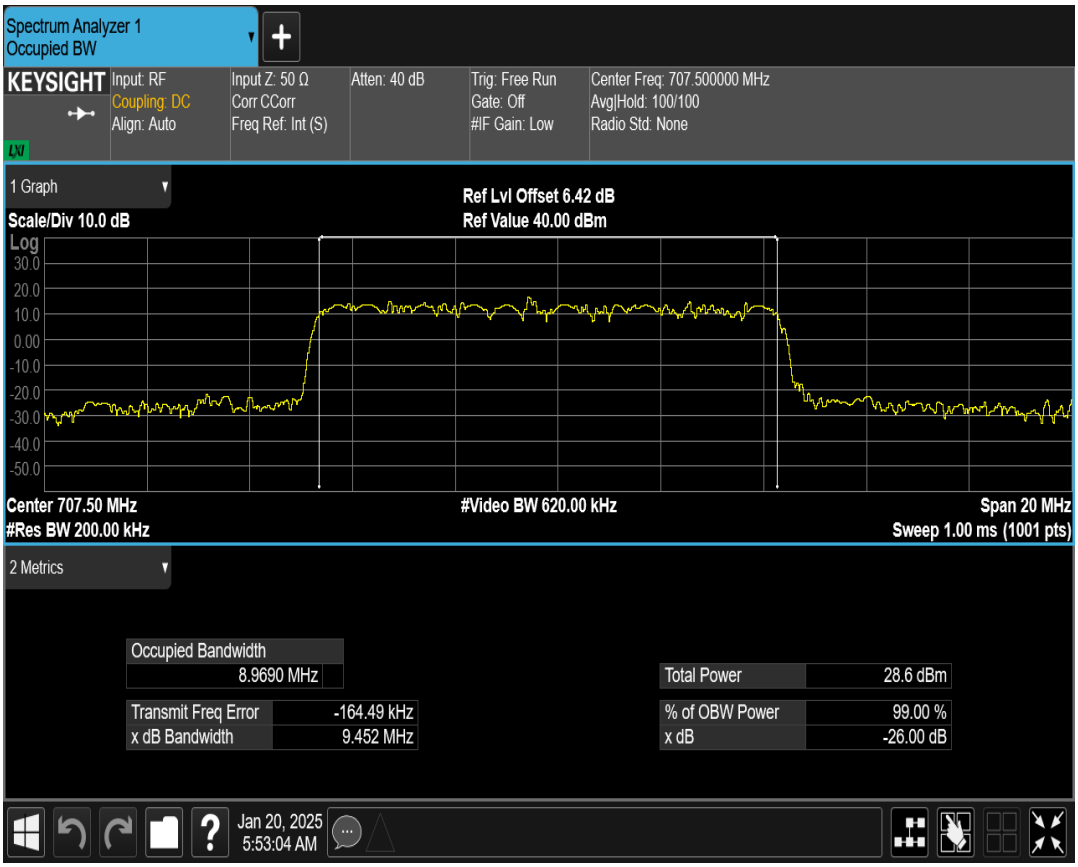
n12 SCS=15kHz CP_QPSK BW=10MHz Channel=140800 RB=52@0



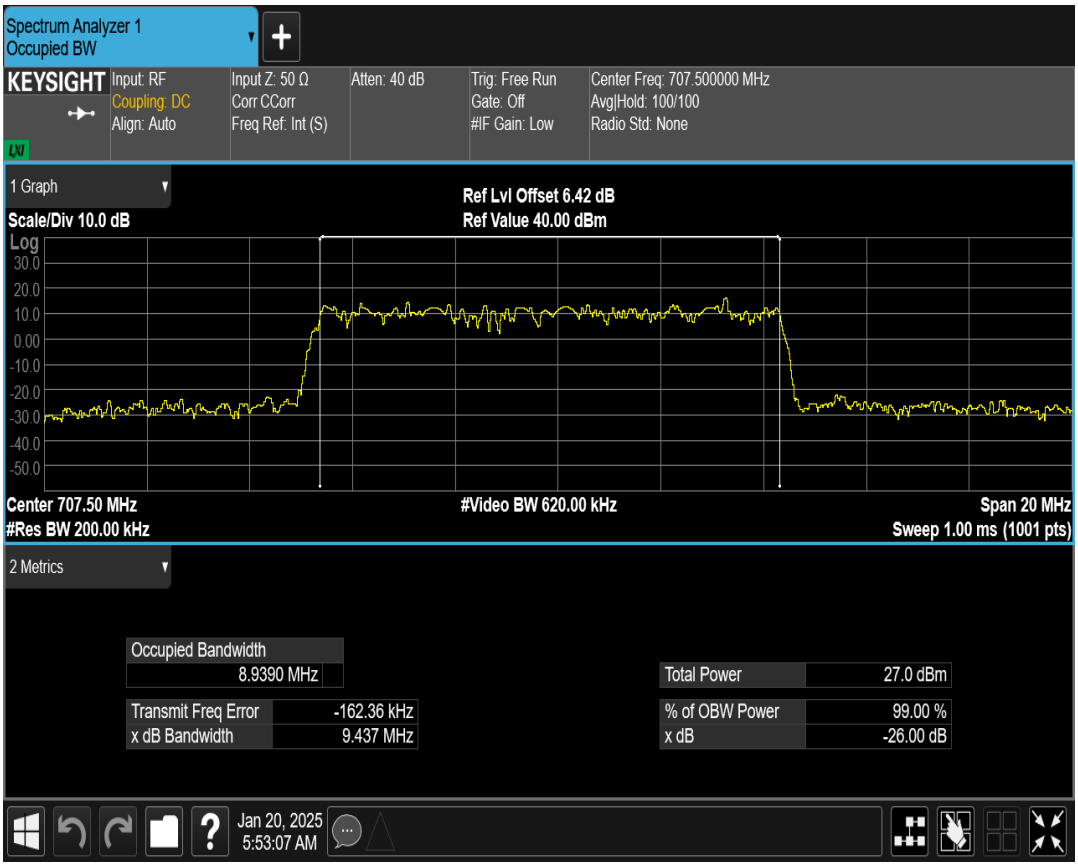
n12 SCS=15kHz DFT_BPSK BW=10MHz Channel=141500 RB=50@0



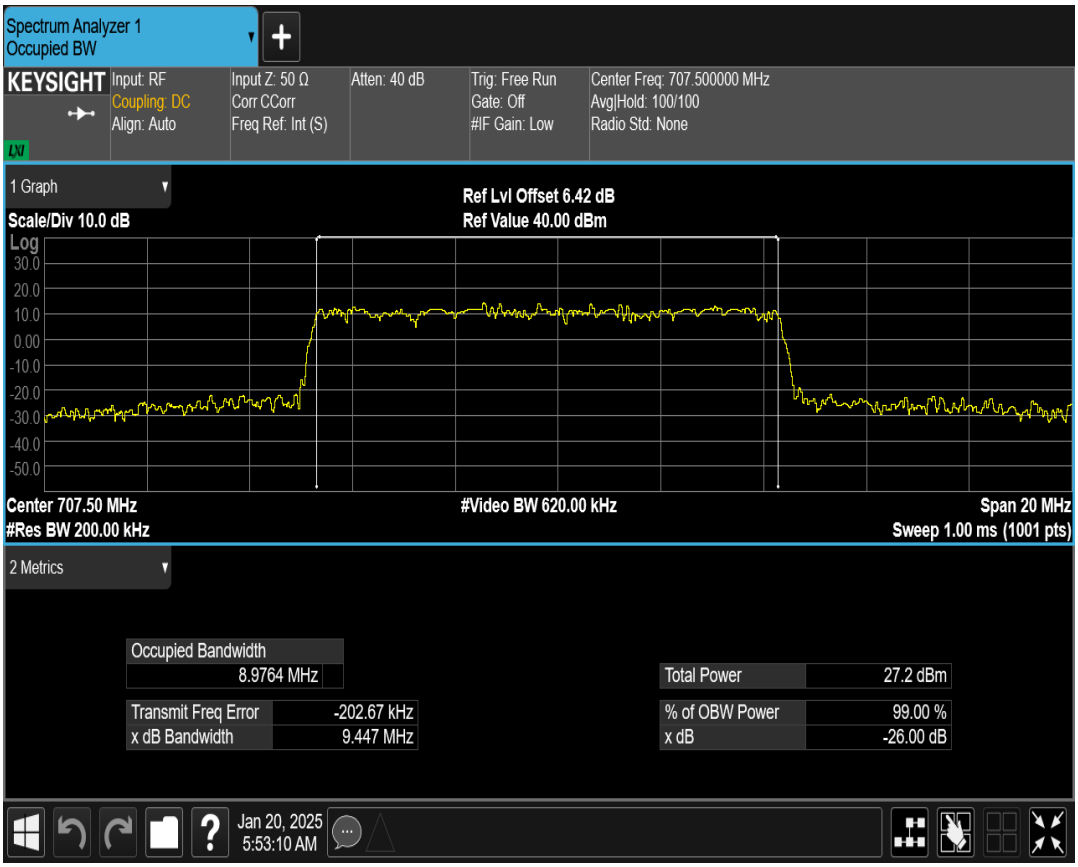
n12 SCS=15kHz DFT_QPSK BW=10MHz Channel=141500 RB=50@0



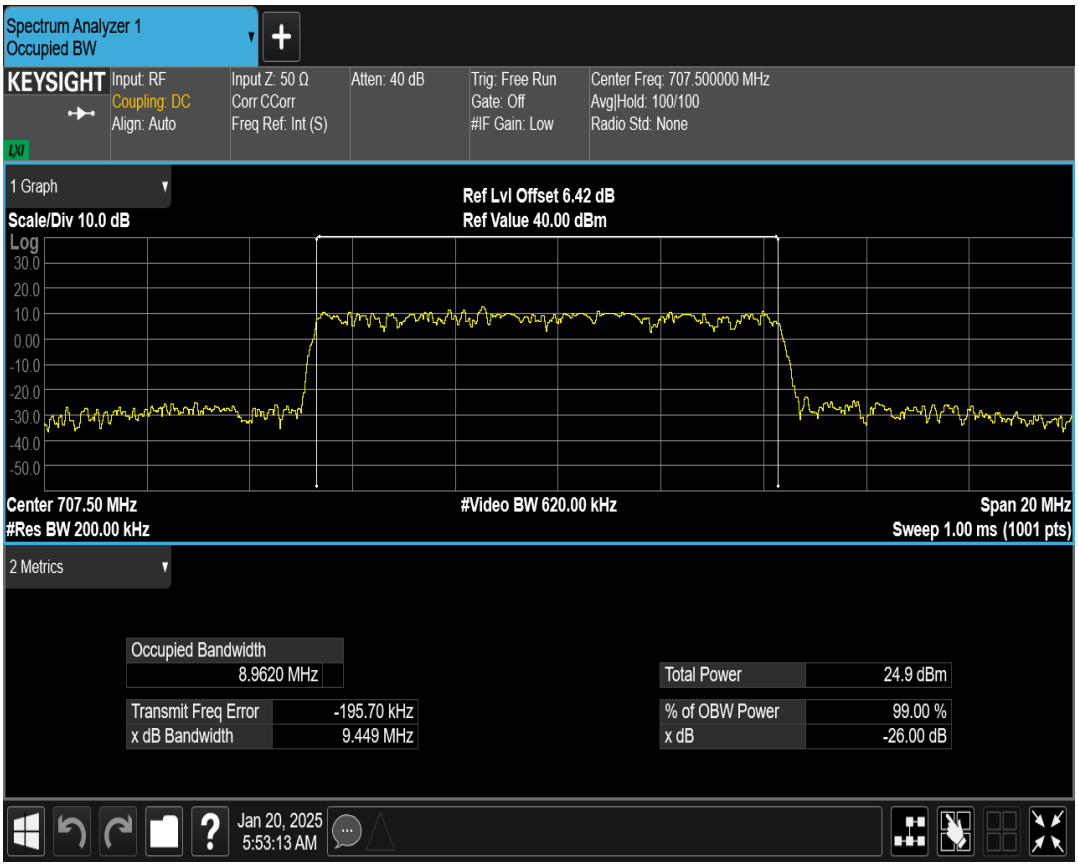
n12 SCS=15kHz DFT_QAM16 BW=10MHz Channel=141500 RB=50@0



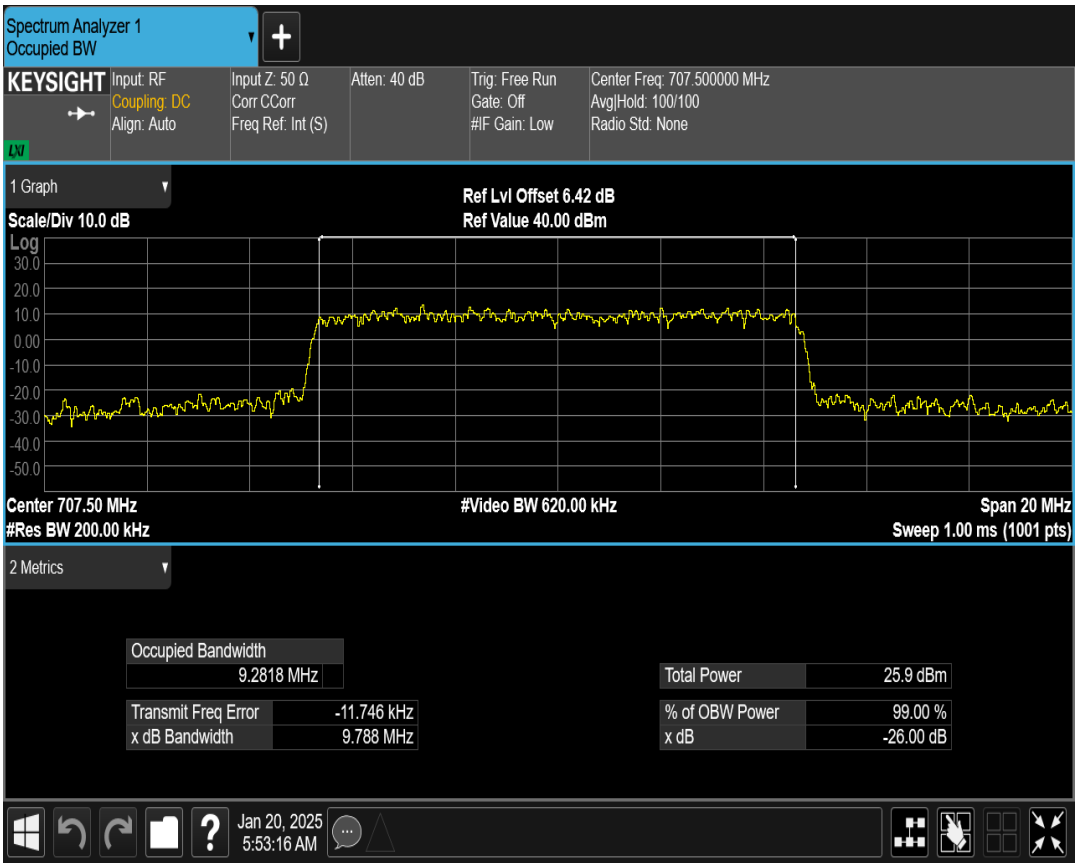
n12 SCS=15kHz DFT_QAM64 BW=10MHz Channel=141500 RB=50@0



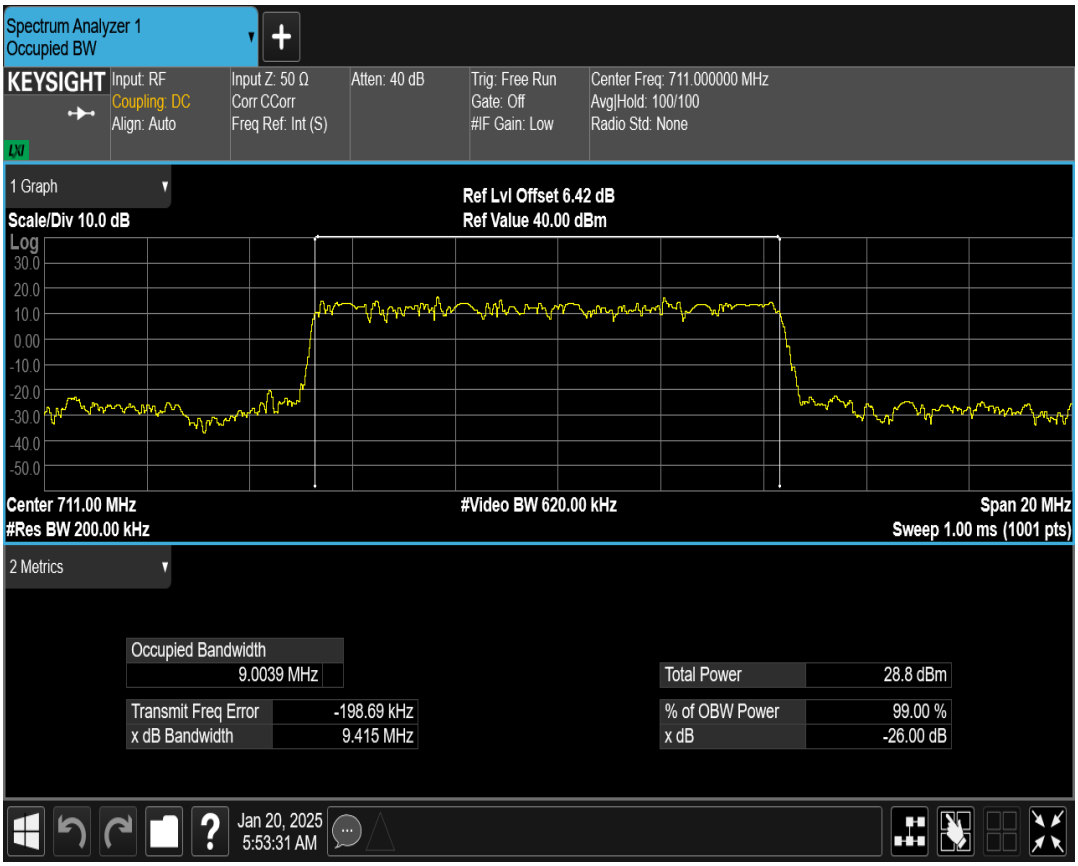
n12 SCS=15kHz DFT_QAM256 BW=10MHz Channel=141500 RB=50@0



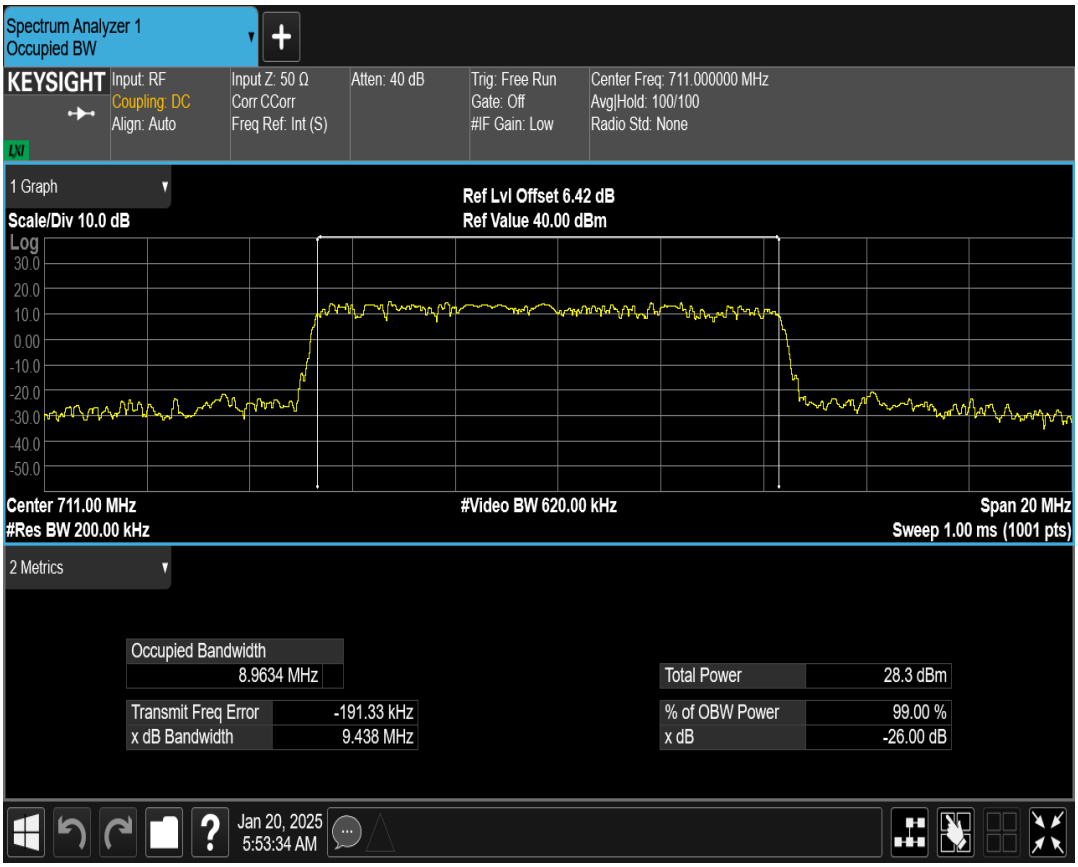
n12 SCS=15kHz CP_QPSK BW=10MHz Channel=141500 RB=52@0



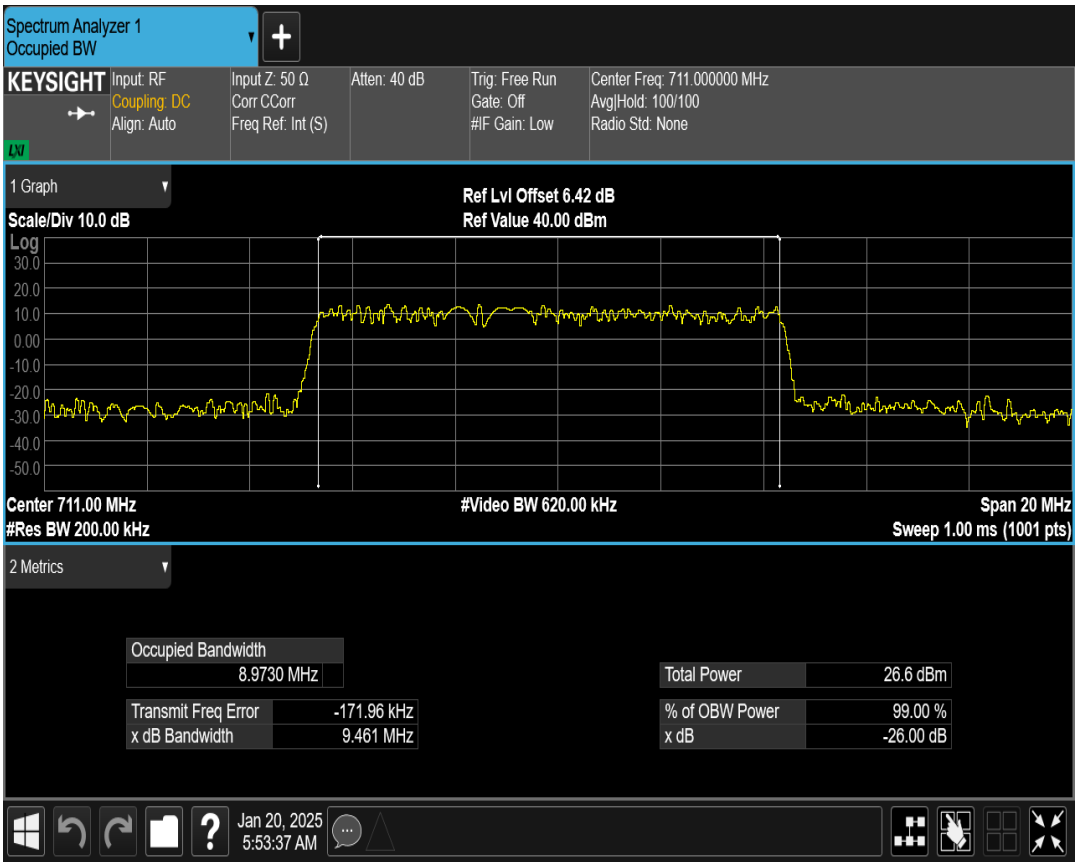
n12 SCS=15kHz DFT_BPSK BW=10MHz Channel=142200 RB=50@0



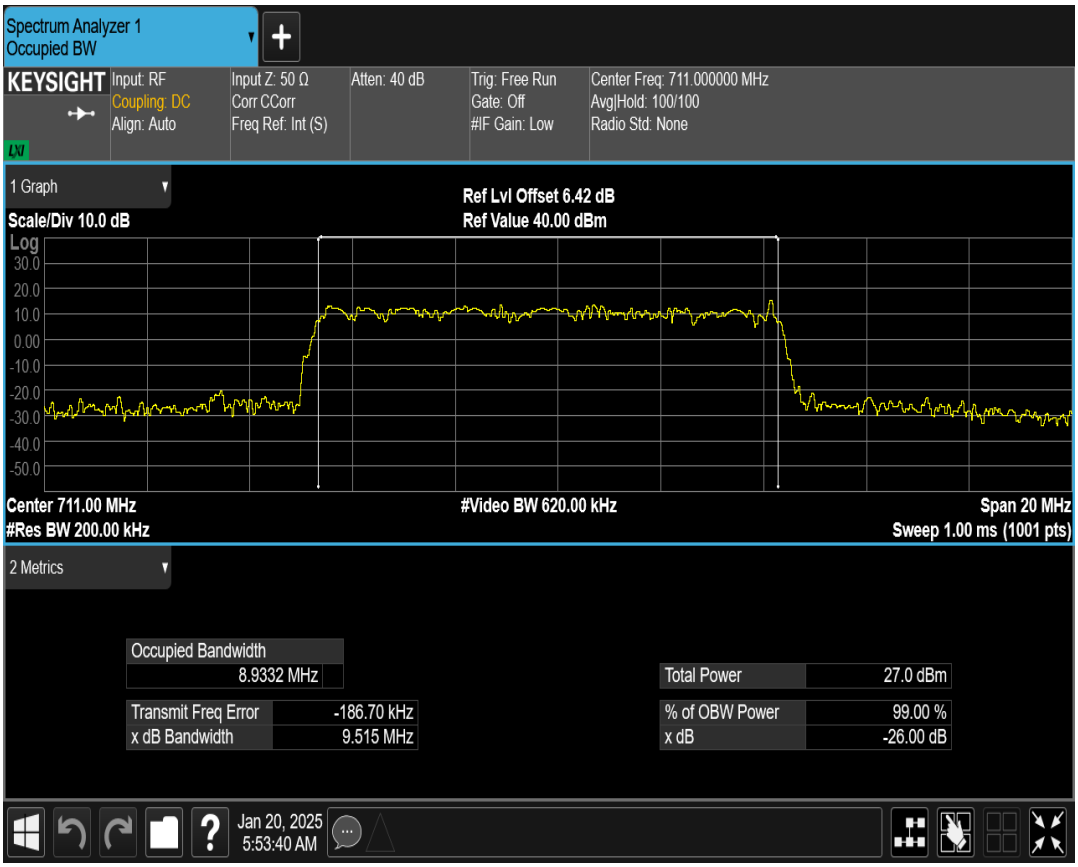
n12 SCS=15kHz DFT_QPSK BW=10MHz Channel=142200 RB=50@0



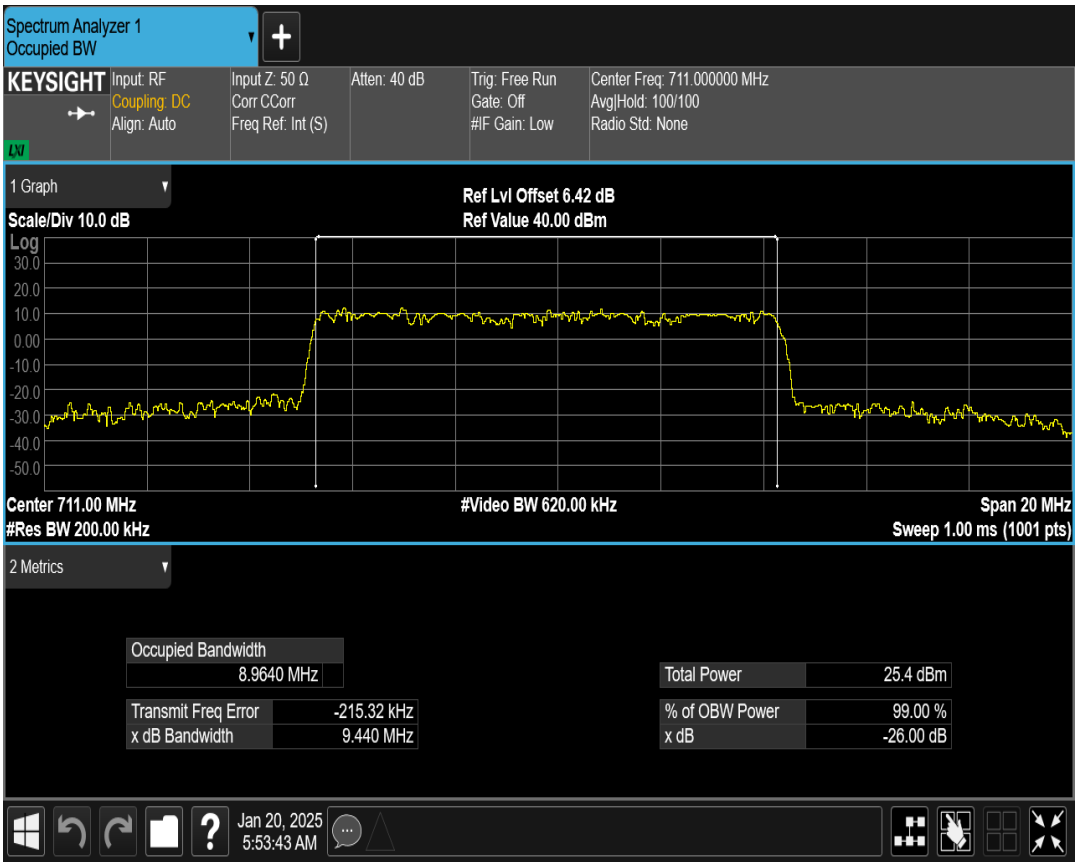
n12 SCS=15kHz DFT_QAM16 BW=10MHz Channel=142200 RB=50@0



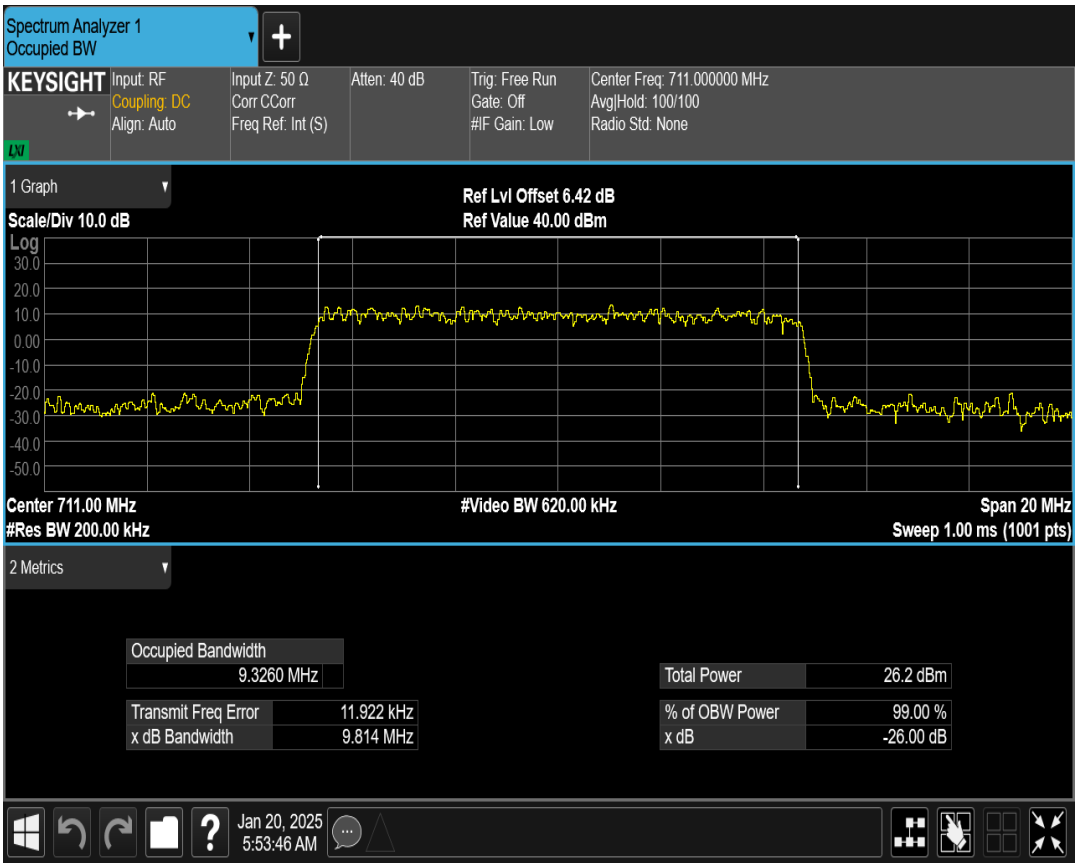
n12 SCS=15kHz DFT_QAM64 BW=10MHz Channel=142200 RB=50@0



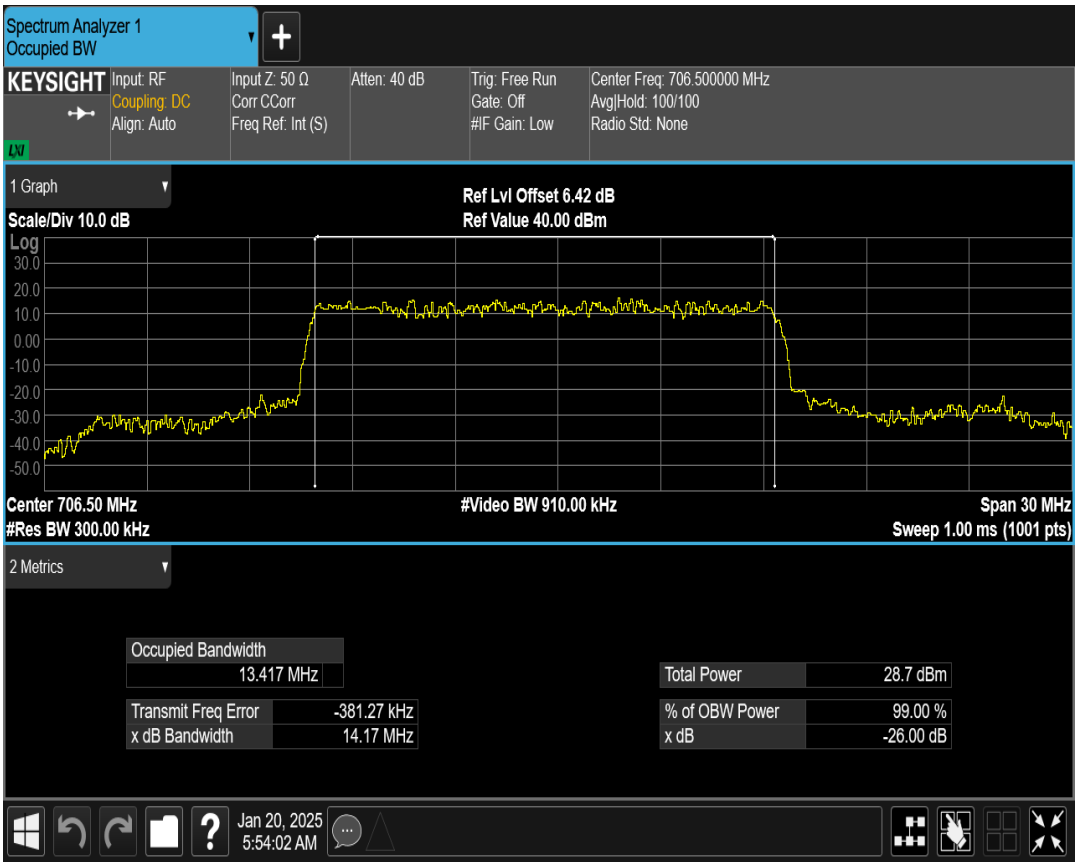
n12 SCS=15kHz DFT_QAM256 BW=10MHz Channel=142200 RB=50@0



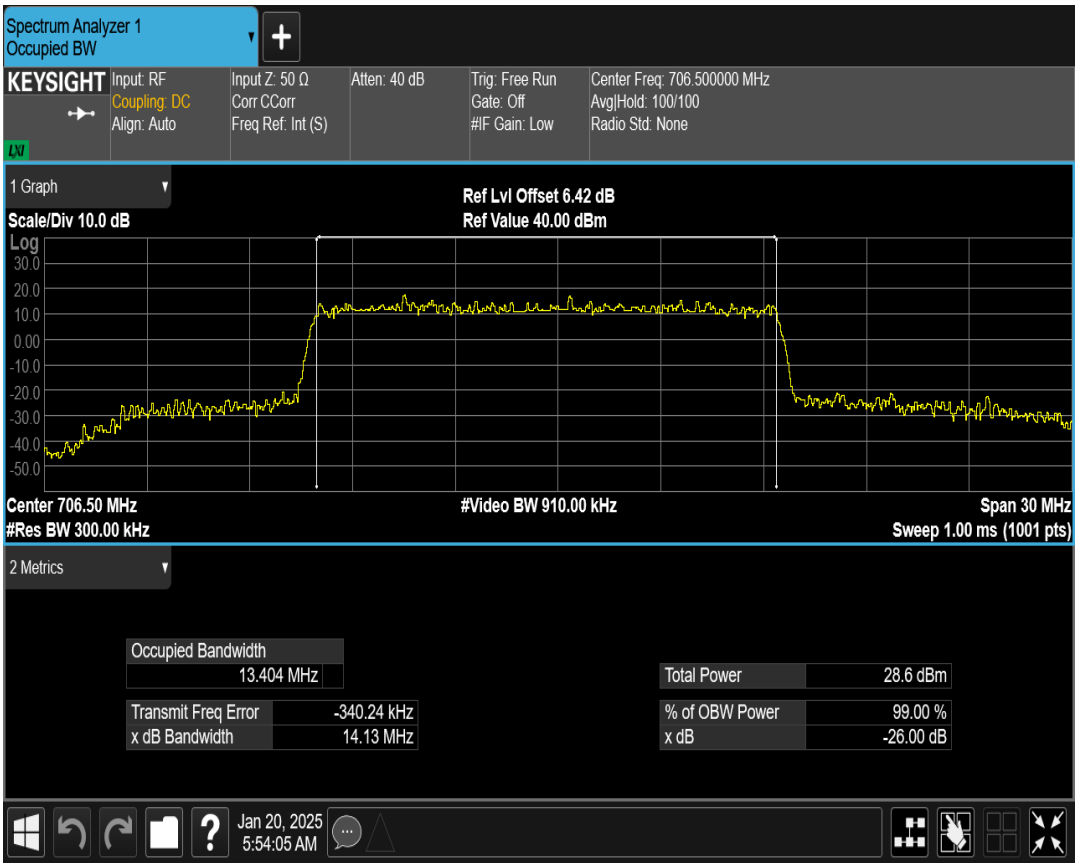
n12 SCS=15kHz CP_QPSK BW=10MHz Channel=142200 RB=52@0



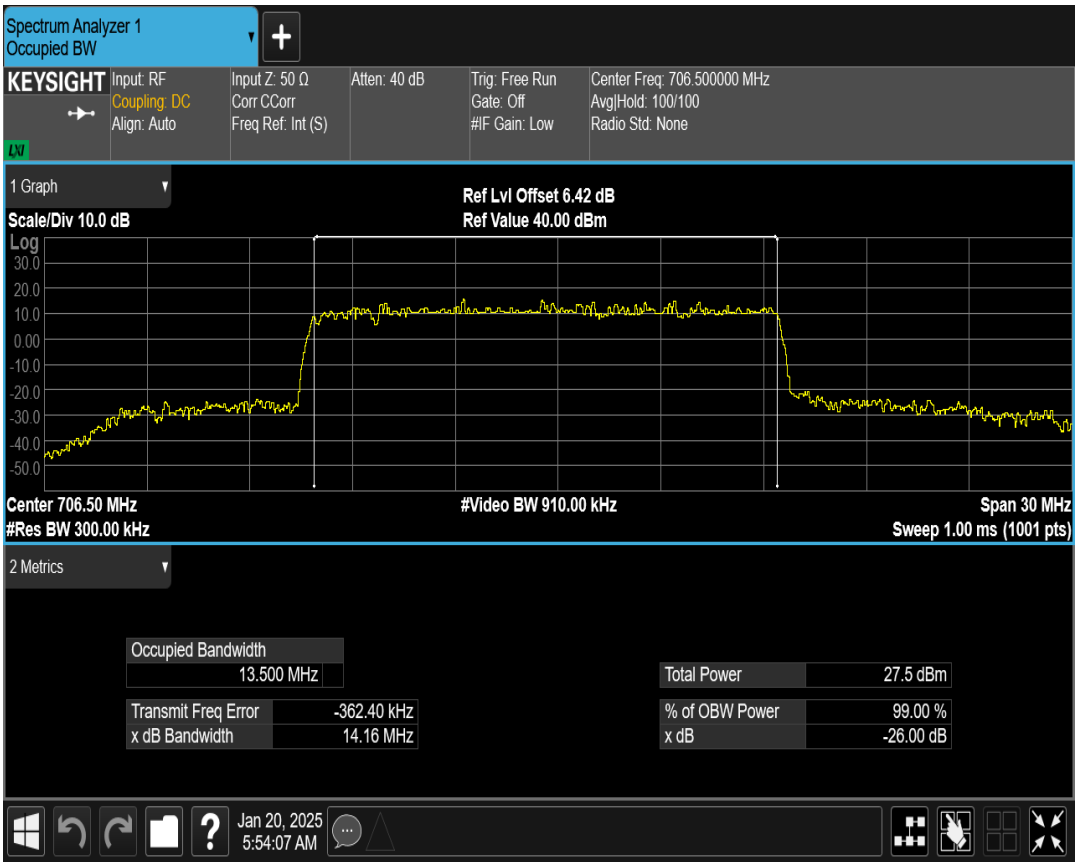
n12 SCS=15kHz DFT_BPSK BW=15MHz Channel=141300 RB=75@0



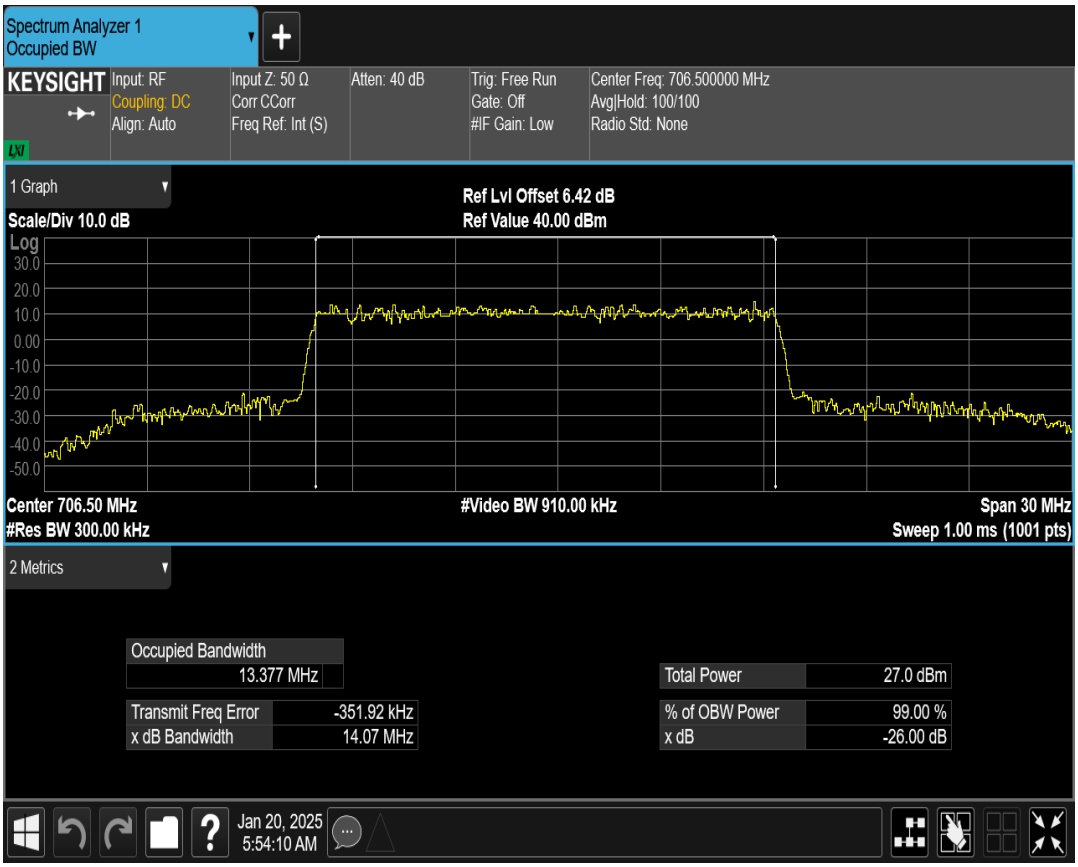
n12 SCS=15kHz DFT_QPSK BW=15MHz Channel=141300 RB=75@0



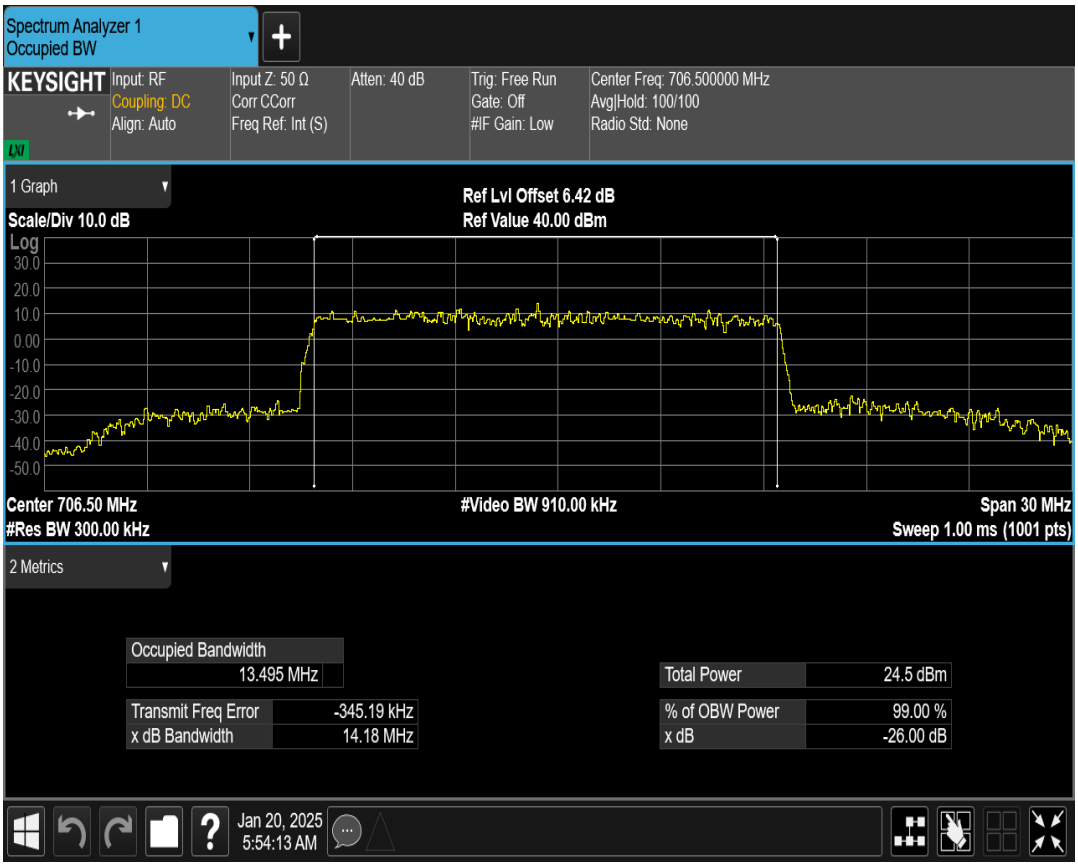
n12 SCS=15kHz DFT_QAM16 BW=15MHz Channel=141300 RB=75@0



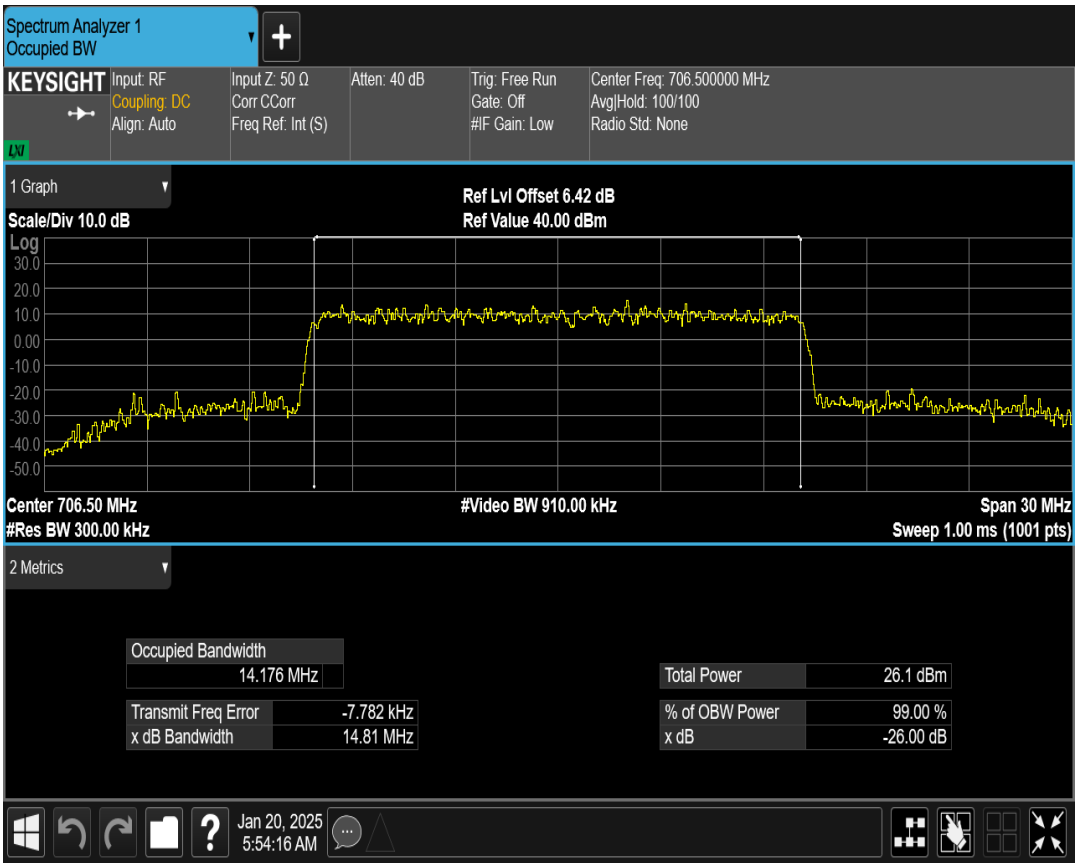
n12 SCS=15kHz DFT_QAM64 BW=15MHz Channel=141300 RB=75@0



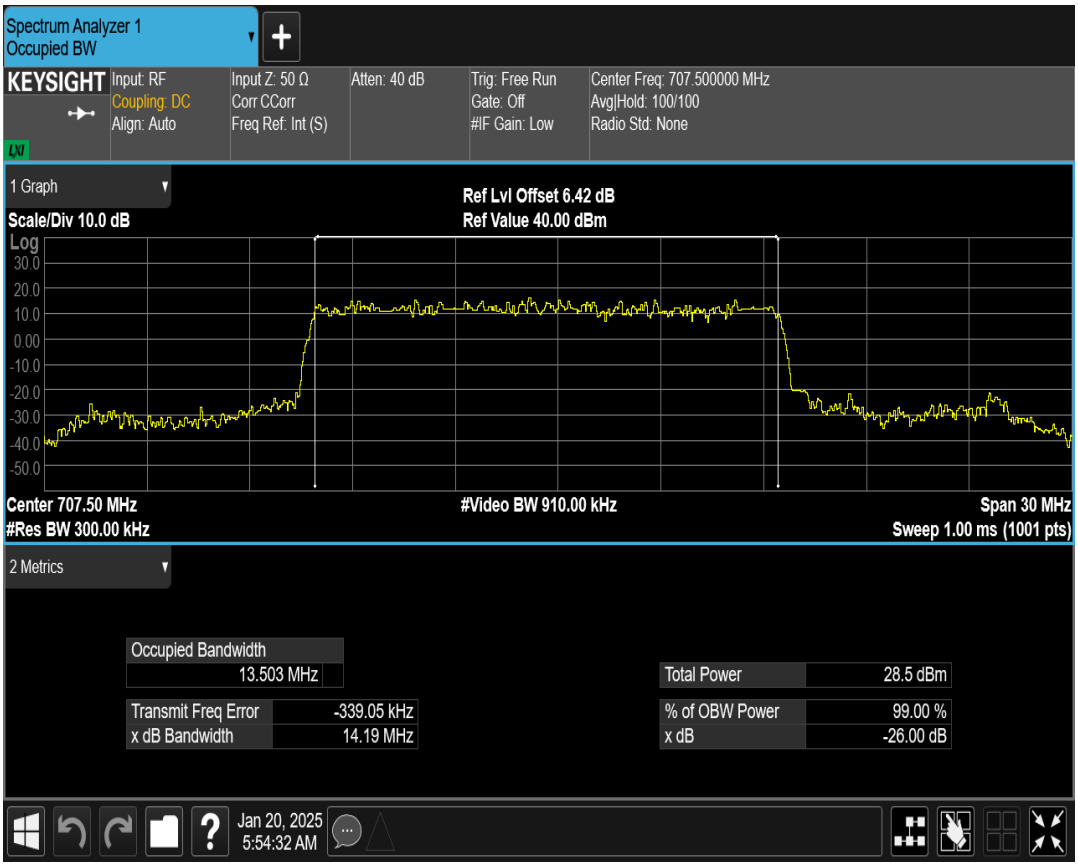
n12 SCS=15kHz DFT_QAM256 BW=15MHz Channel=141300 RB=75@0



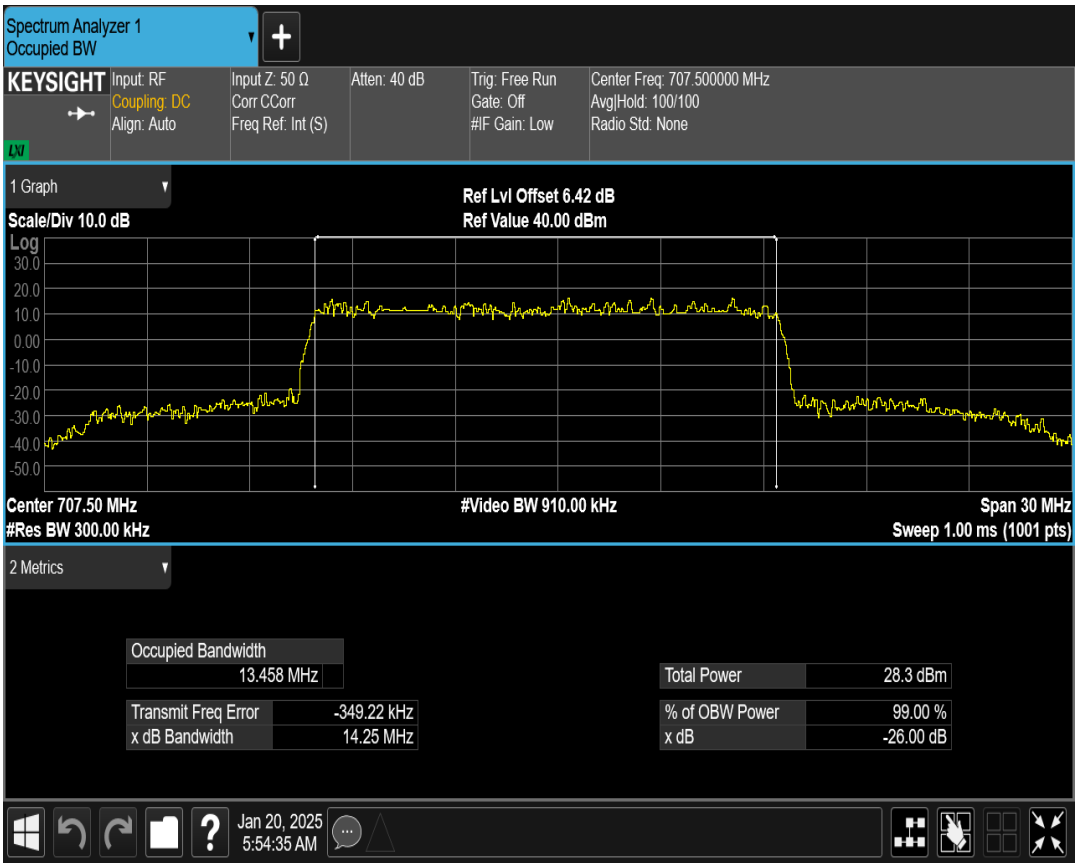
n12 SCS=15kHz CP_QPSK BW=15MHz Channel=141300 RB=79@0



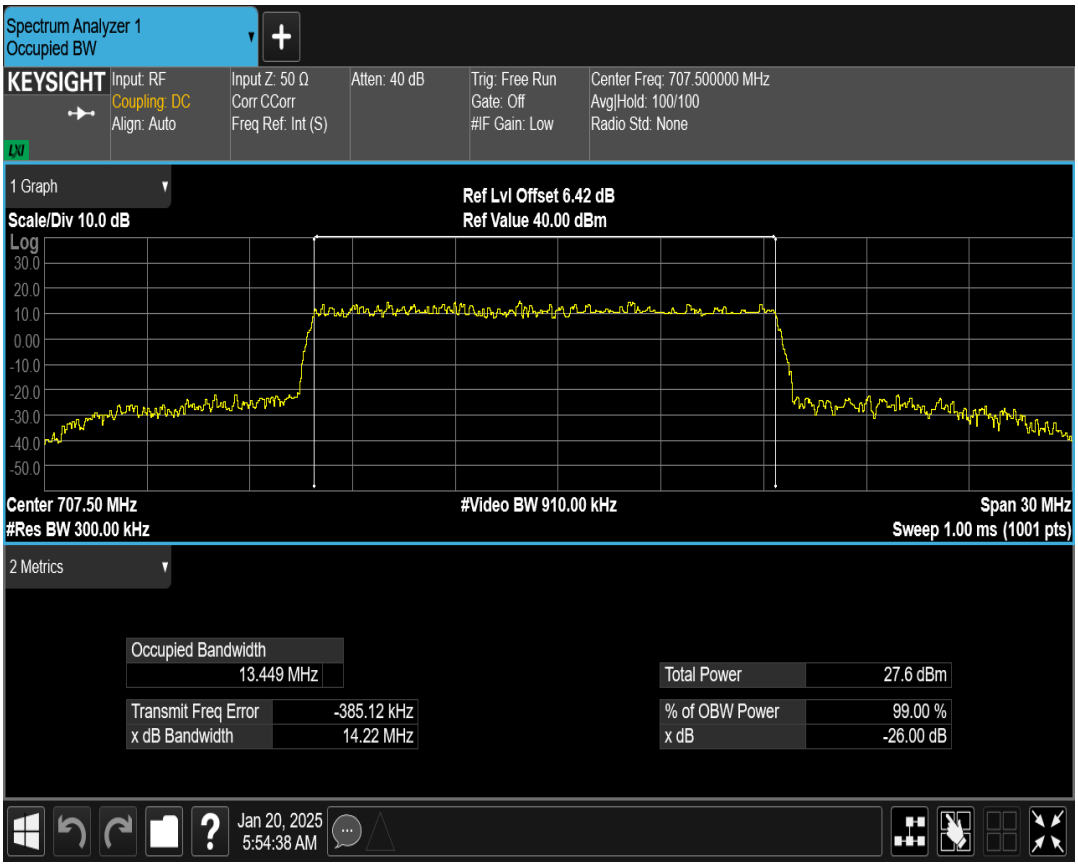
n12 SCS=15kHz DFT_BPSK BW=15MHz Channel=141500 RB=75@0



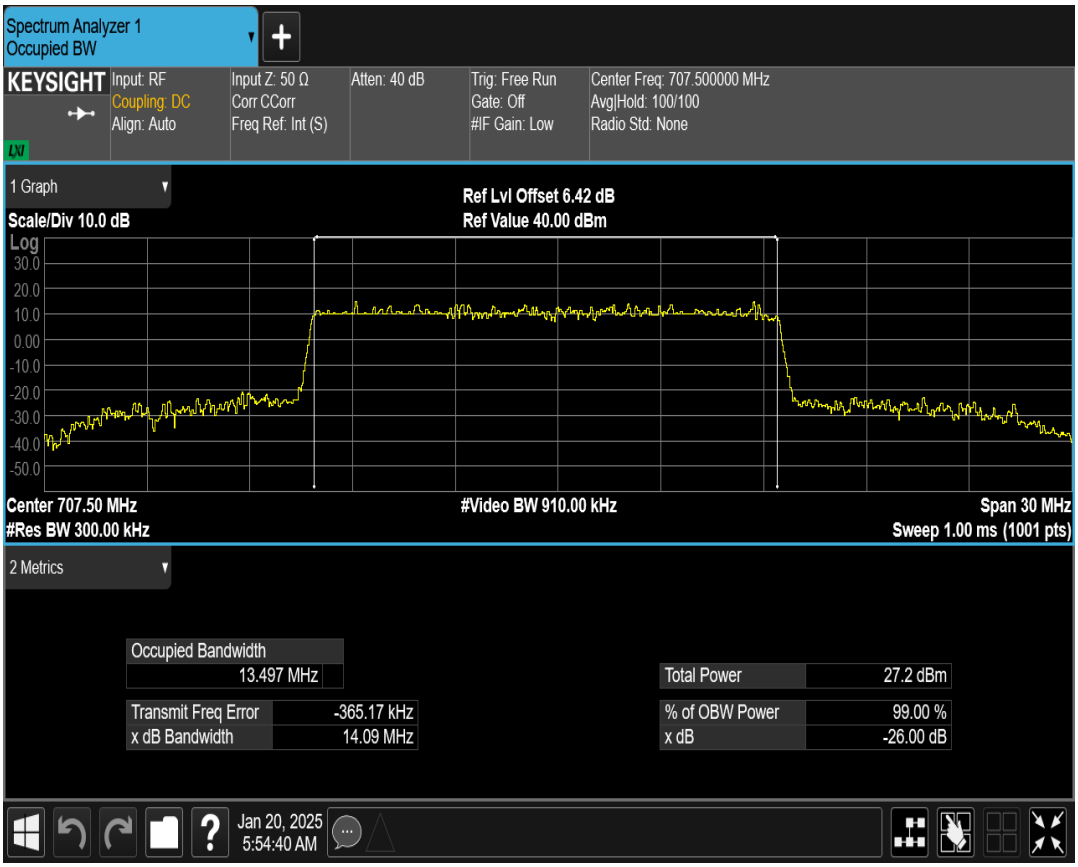
n12 SCS=15kHz DFT_QPSK BW=15MHz Channel=141500 RB=75@0



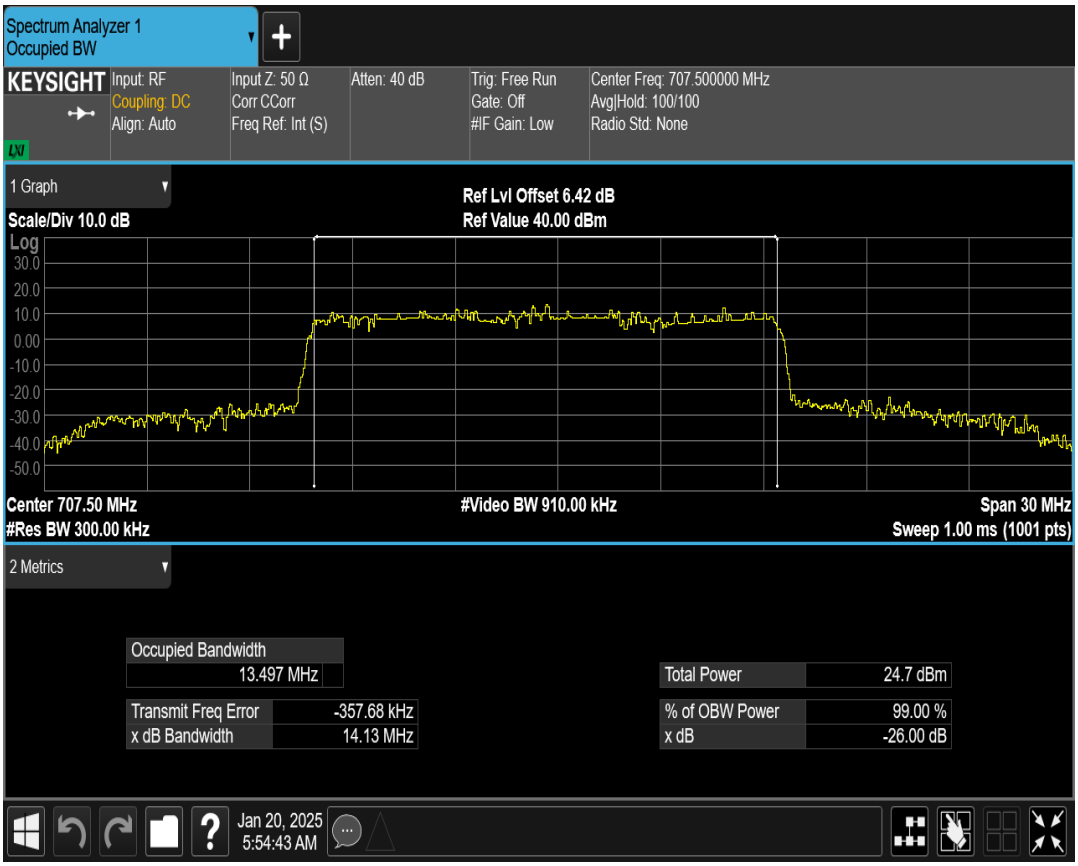
n12 SCS=15kHz DFT_QAM16 BW=15MHz Channel=141500 RB=75@0



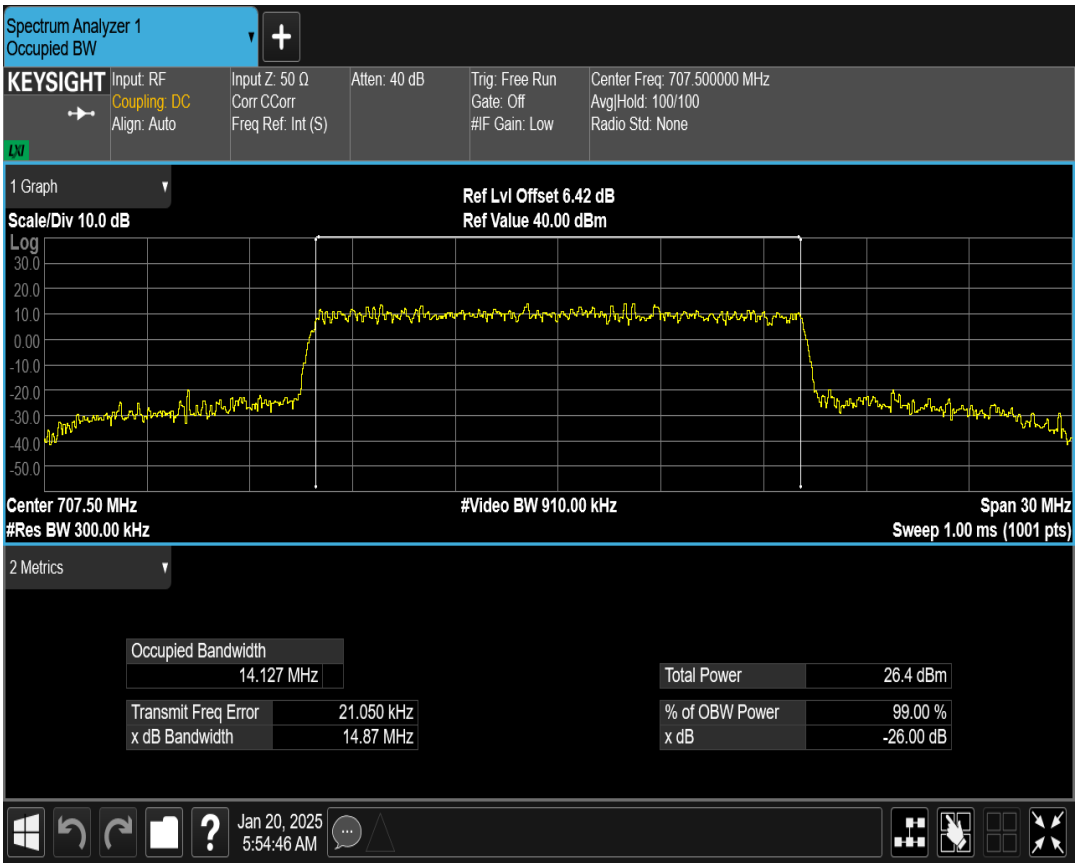
n12 SCS=15kHz DFT_QAM64 BW=15MHz Channel=141500 RB=75@0



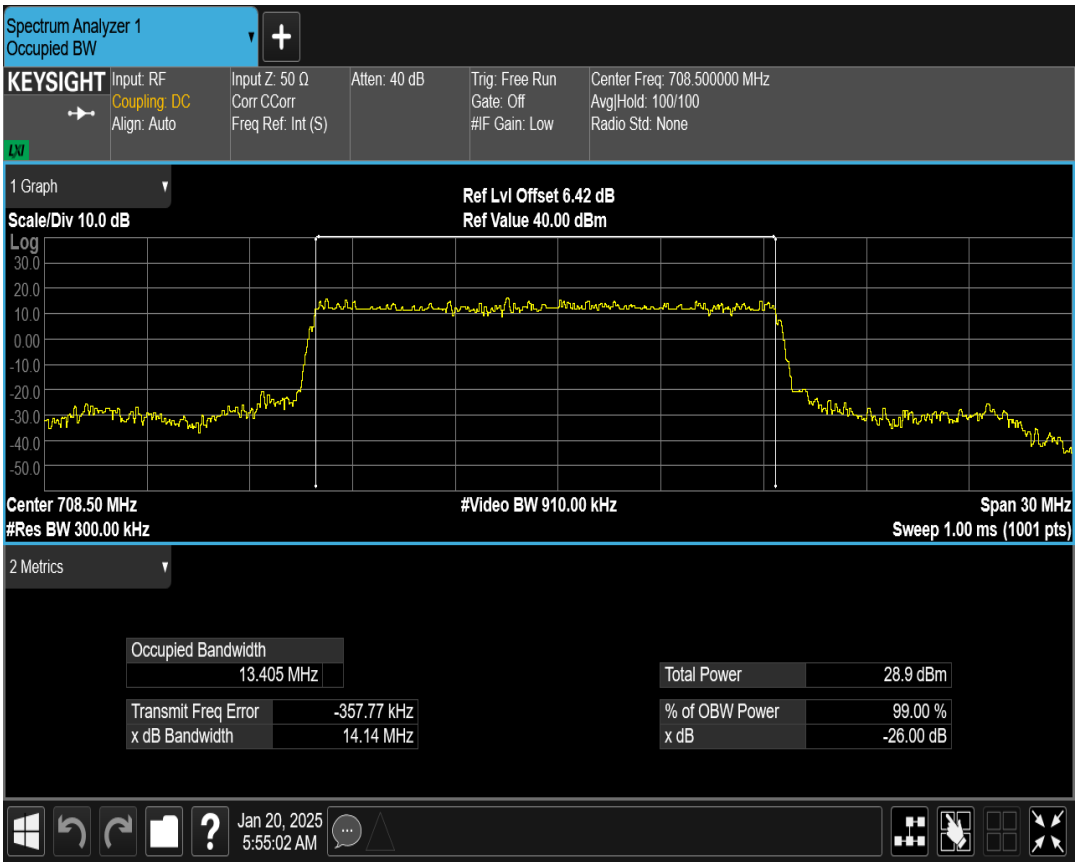
n12 SCS=15kHz DFT_QAM256 BW=15MHz Channel=141500 RB=75@0



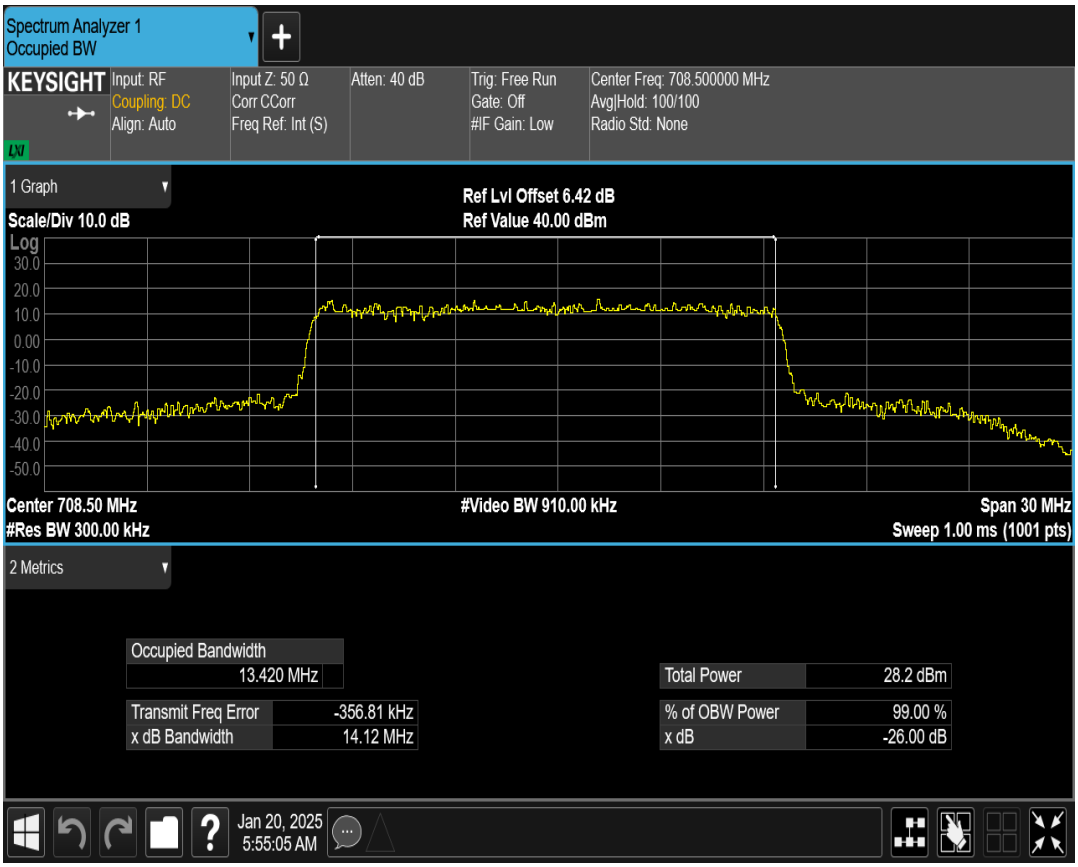
n12 SCS=15kHz CP_QPSK BW=15MHz Channel=141500 RB=79@0



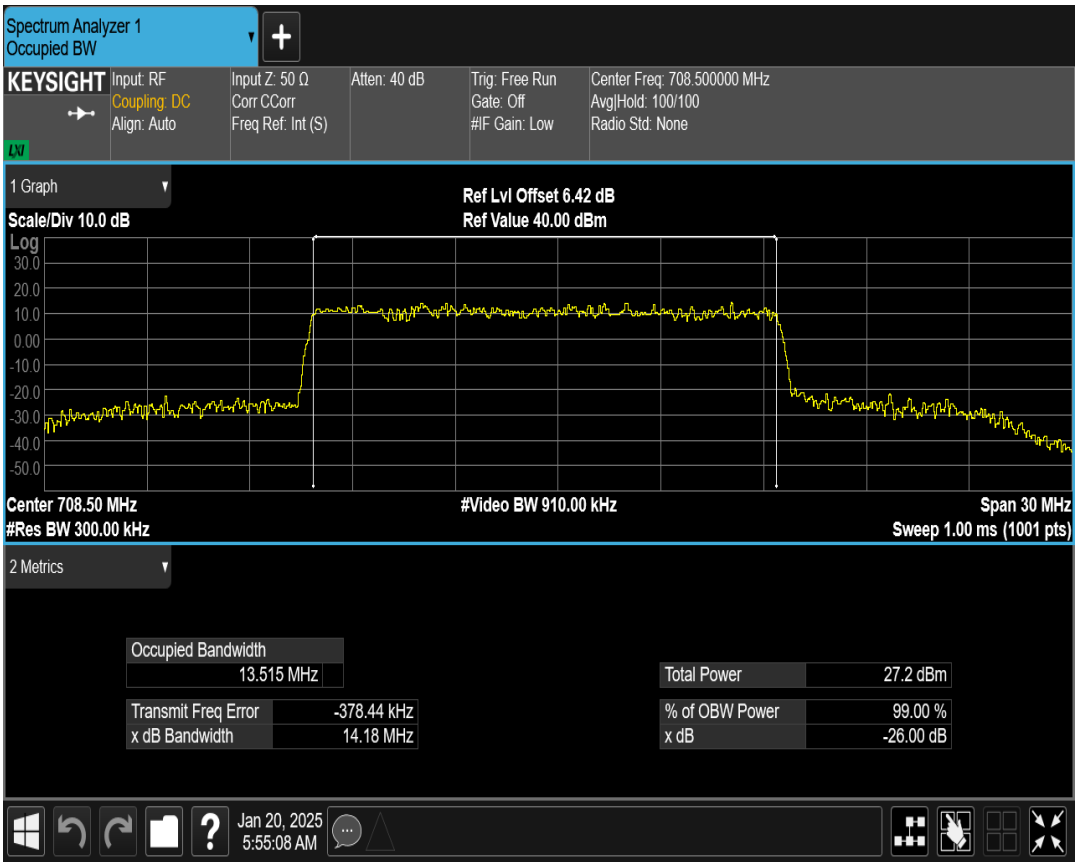
n12 SCS=15kHz DFT_BPSK BW=15MHz Channel=141700 RB=75@0



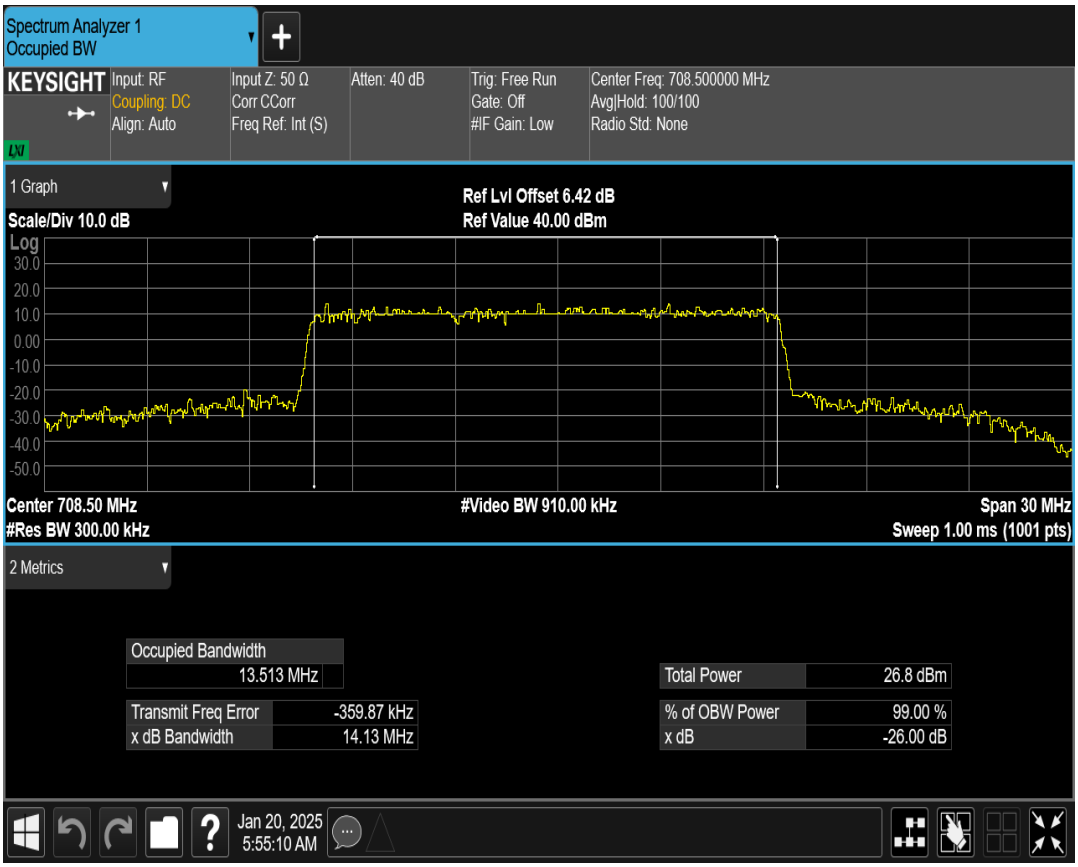
n12 SCS=15kHz DFT_QPSK BW=15MHz Channel=141700 RB=75@0



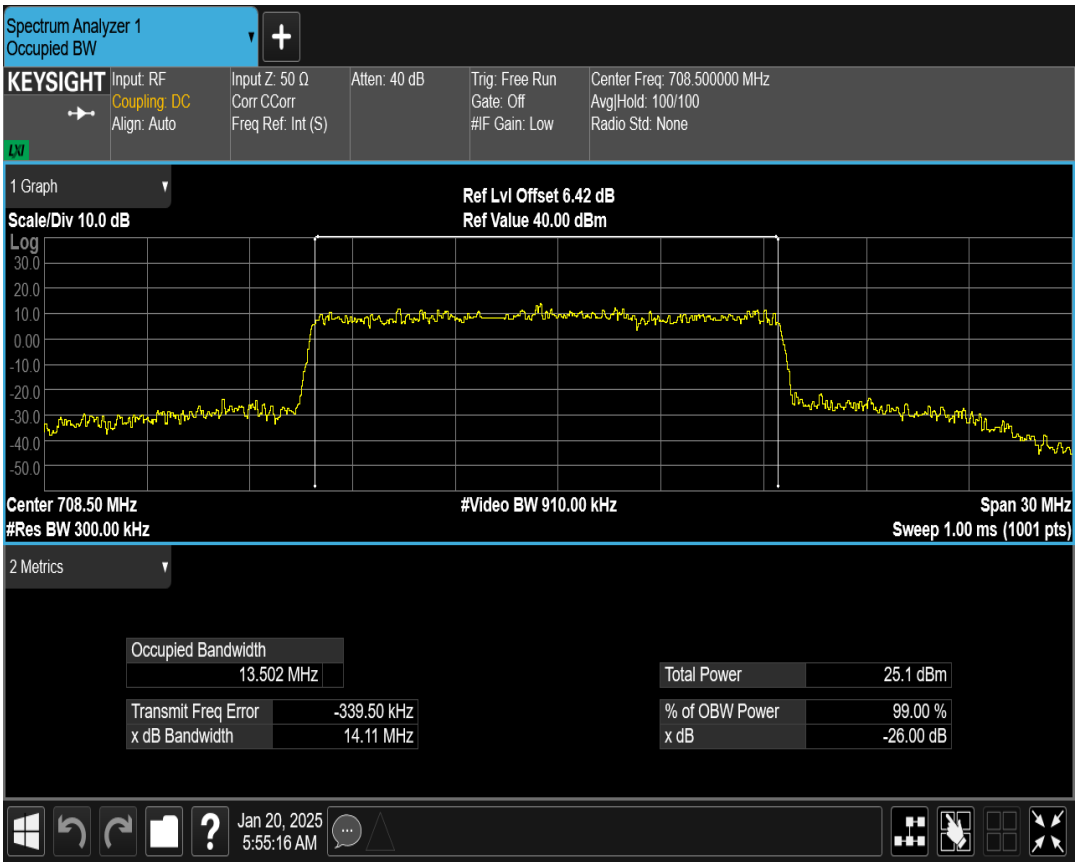
n12 SCS=15kHz DFT_QAM16 BW=15MHz Channel=141700 RB=75@0



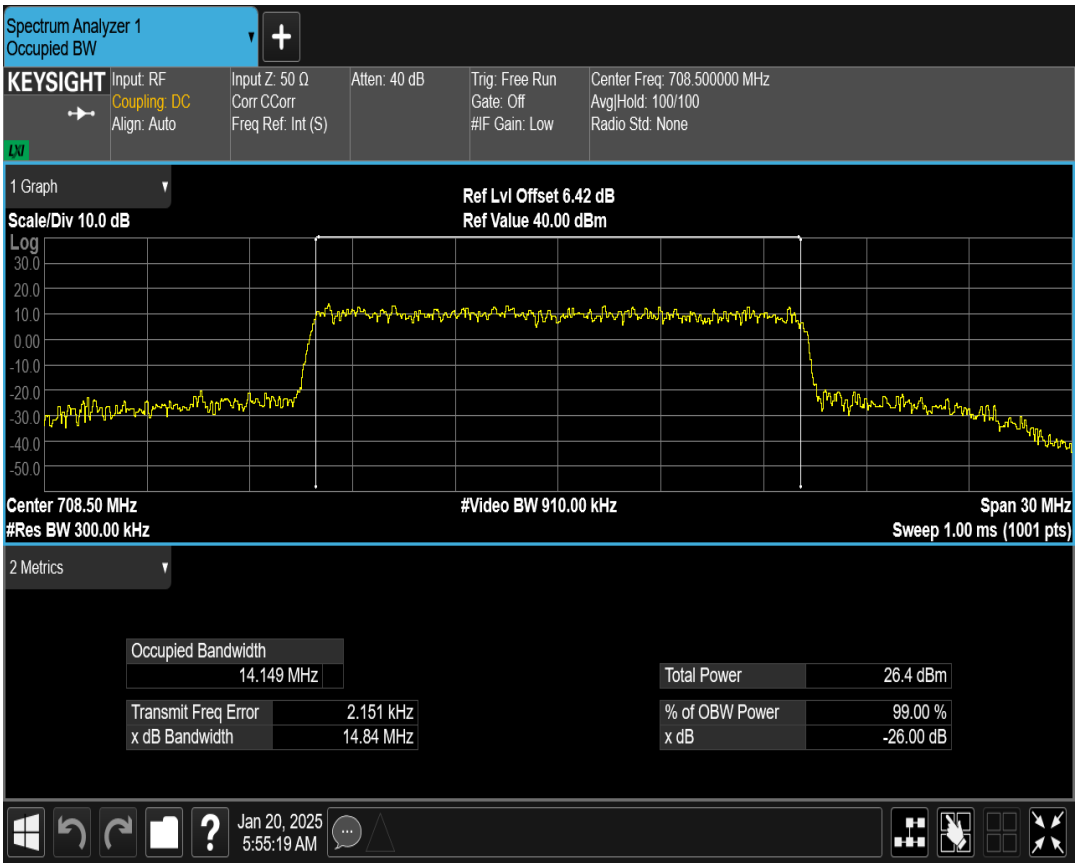
n12 SCS=15kHz DFT_QAM64 BW=15MHz Channel=141700 RB=75@0



n12 SCS=15kHz DFT_QAM256 BW=15MHz Channel=141700 RB=75@0



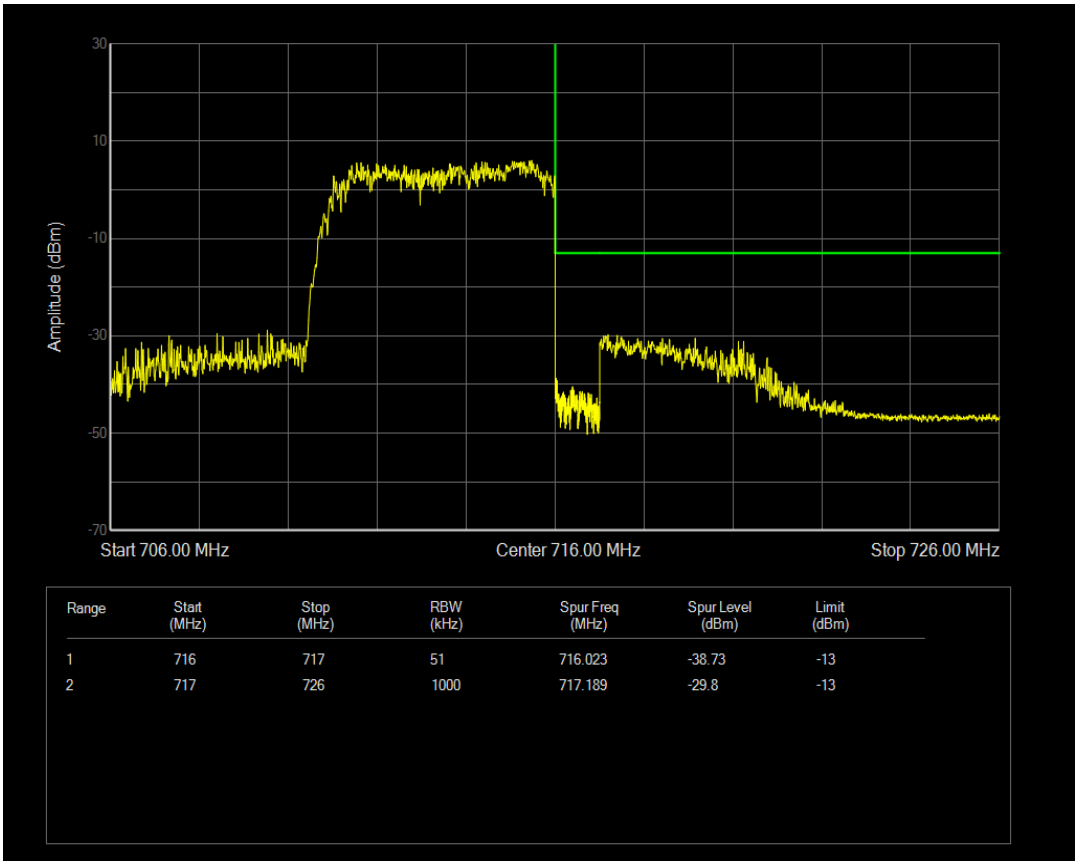
n12 SCS=15kHz CP_QPSK BW=15MHz Channel=141700 RB=79@0


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: 708.500000 MHz
Avg|Hold: 100/100
Radio Std: None
1 Graph
Ref Lvl Offset 6.42 dB
Ref Value 40.00 dBm
Scale/Div 10.0 dB
Log
30.0
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
Center 708.50 MHz
#Res BW 300.00 kHz
#Video BW 910.00 kHz
Span 30 MHz
Sweep 1.00 ms (1001 pts)
2 Metrics
Occupied Bandwidth
14.149 MHz
Total Power
26.4 dBm
Transmit Freq Error
2.151 kHz
x dB Bandwidth
14.84 MHz
% of OBW Power
99.00 %
x dB
-26.00 dB
Jan 20, 2025
5:55:19 AM

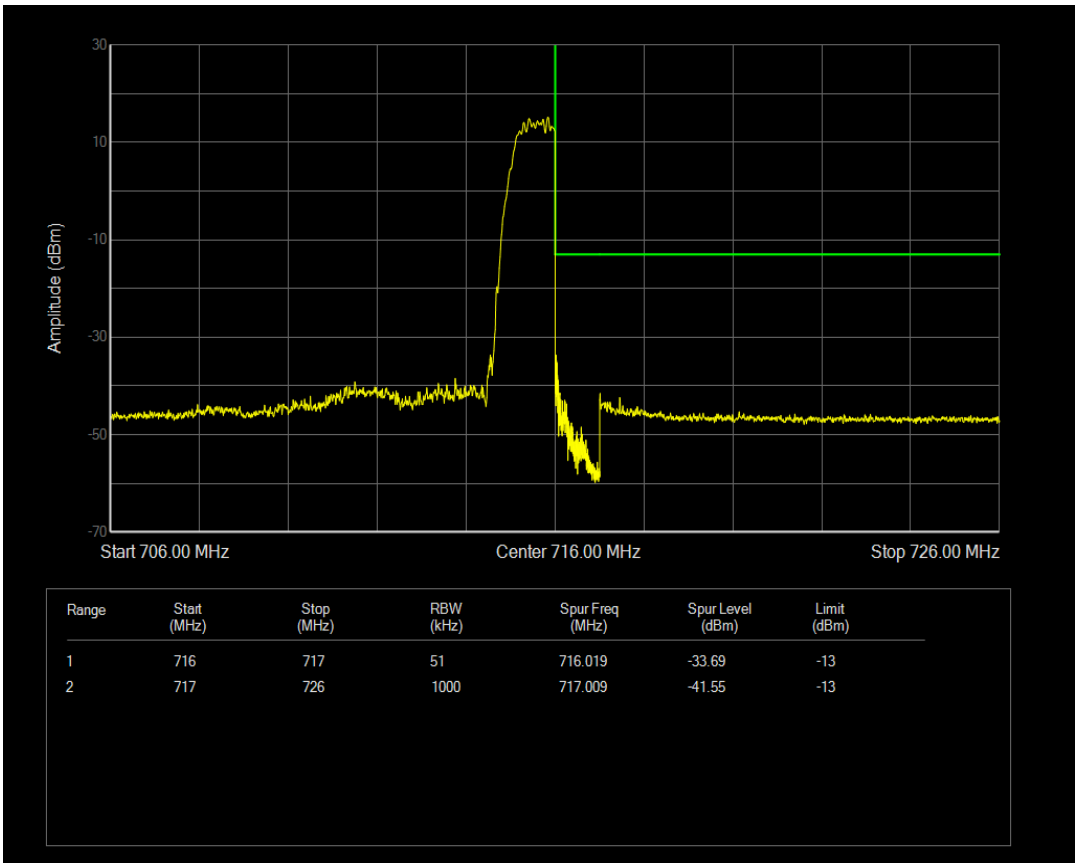
5 Band edge for NR FR1

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
n12	15	5	140300	25@0	DFT_QPSK	697.79	-29.10	-13	PASS
n12	15	5	140300	1@0	DFT_QPSK	698.99	-28.62	-13	PASS
n12	15	5	142700	25@0	DFT_QPSK	717.19	-29.80	-13	PASS
n12	15	5	142700	1@24	DFT_QPSK	716.02	-33.69	-13	PASS
n12	15	15	141300	75@0	DFT_QPSK	698.00	-34.49	-13	PASS
n12	15	15	141300	1@0	DFT_QPSK	698.99	-33.12	-13	PASS
n12	15	15	141700	75@0	DFT_QPSK	717.11	-34.35	-13	PASS
n12	15	15	141700	1@78	DFT_QPSK	717.67	-44.37	-13	PASS

n12 SCS=15kHz DFT_QPSK BW=5MHz Channel=142700 RB=25@0

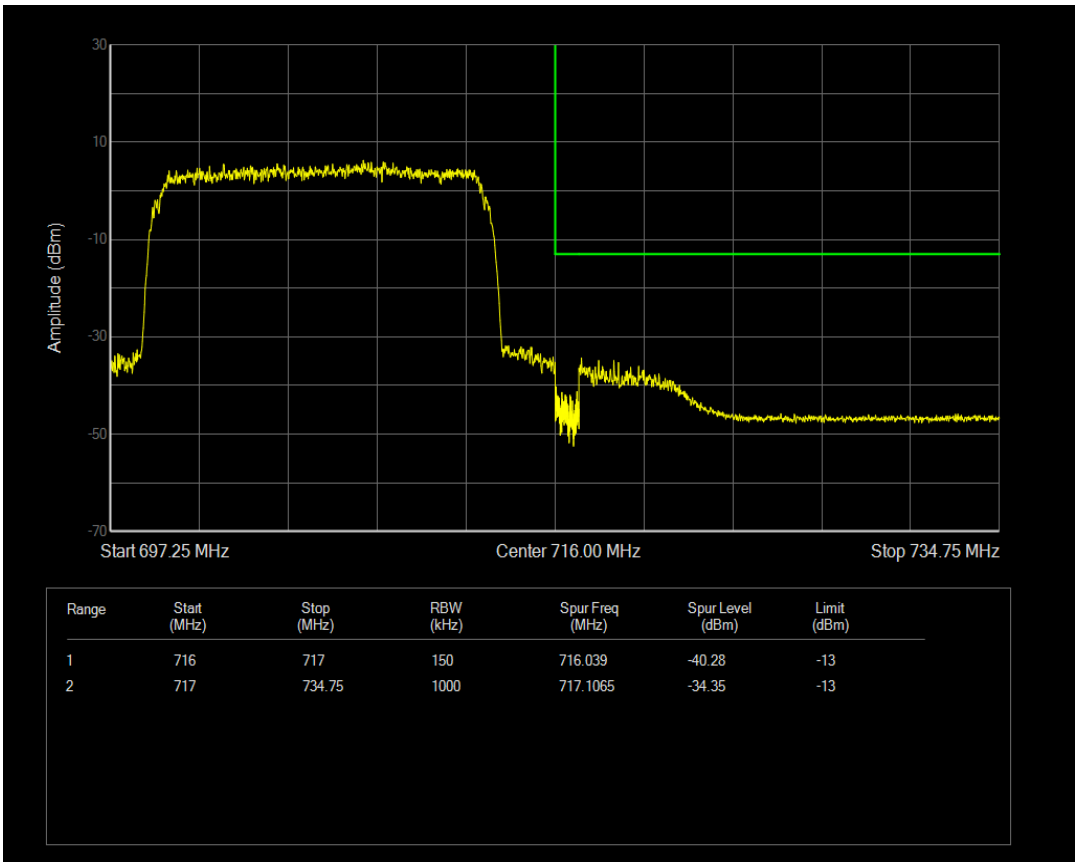


n12 SCS=15kHz DFT_QPSK BW=5MHz Channel=142700 RB=1@24



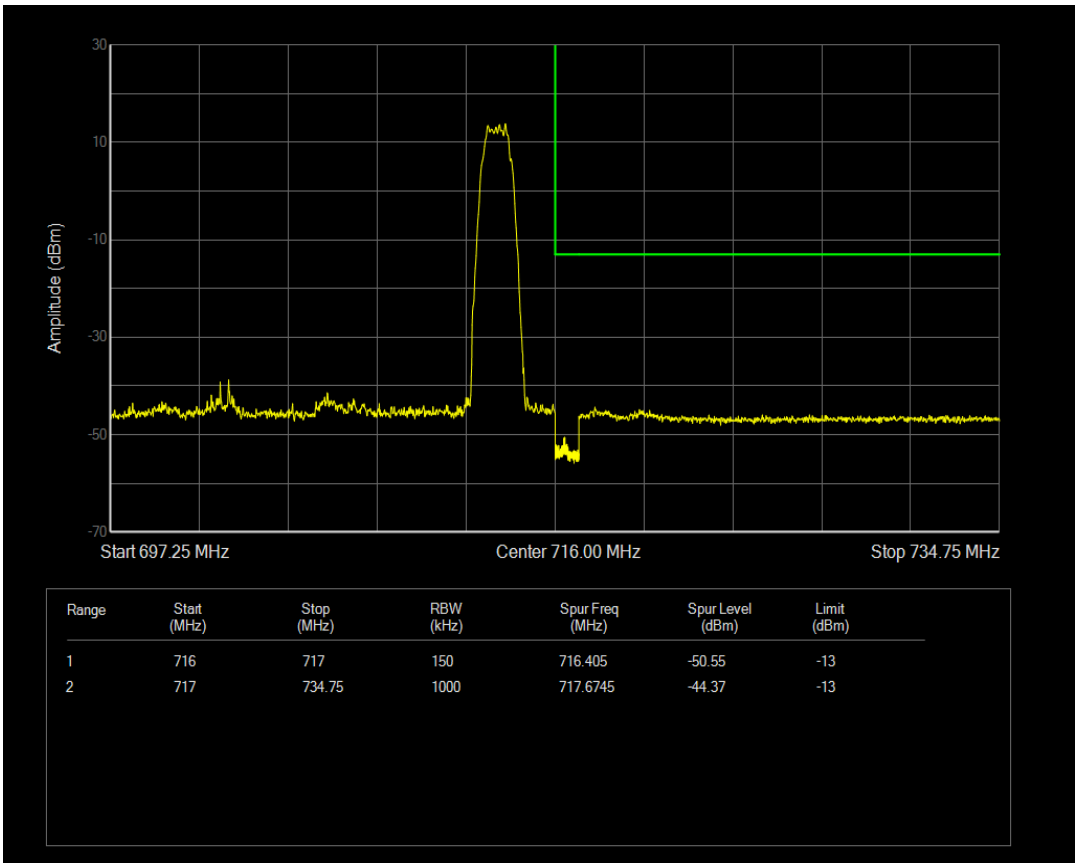
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	716	717	51	716.019	-33.69	-13
2	717	726	1000	717.009	-41.55	-13

n12 SCS=15kHz DFT_QPSK BW=15MHz Channel=141700 RB=75@0



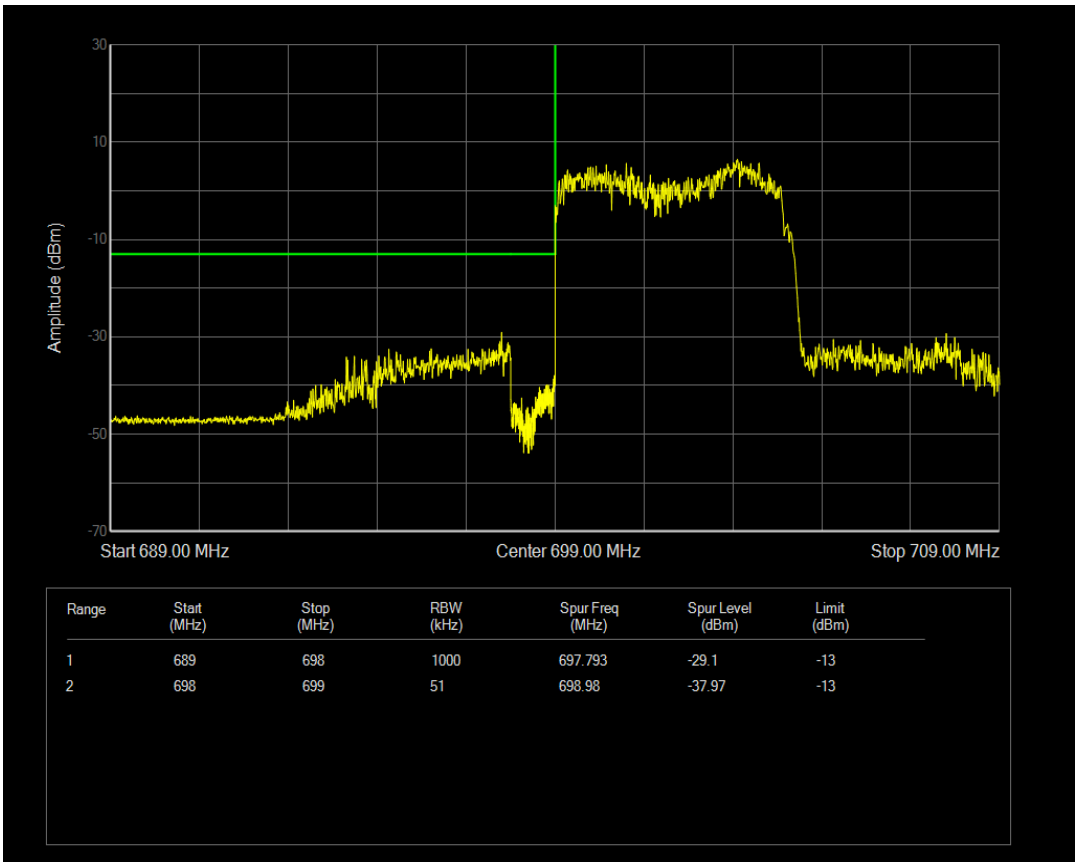
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	716	717	150	716.039	-40.28	-13
2	717	734.75	1000	717.1065	-34.35	-13

n12 SCS=15kHz DFT_QPSK BW=15MHz Channel=141700 RB=1@78



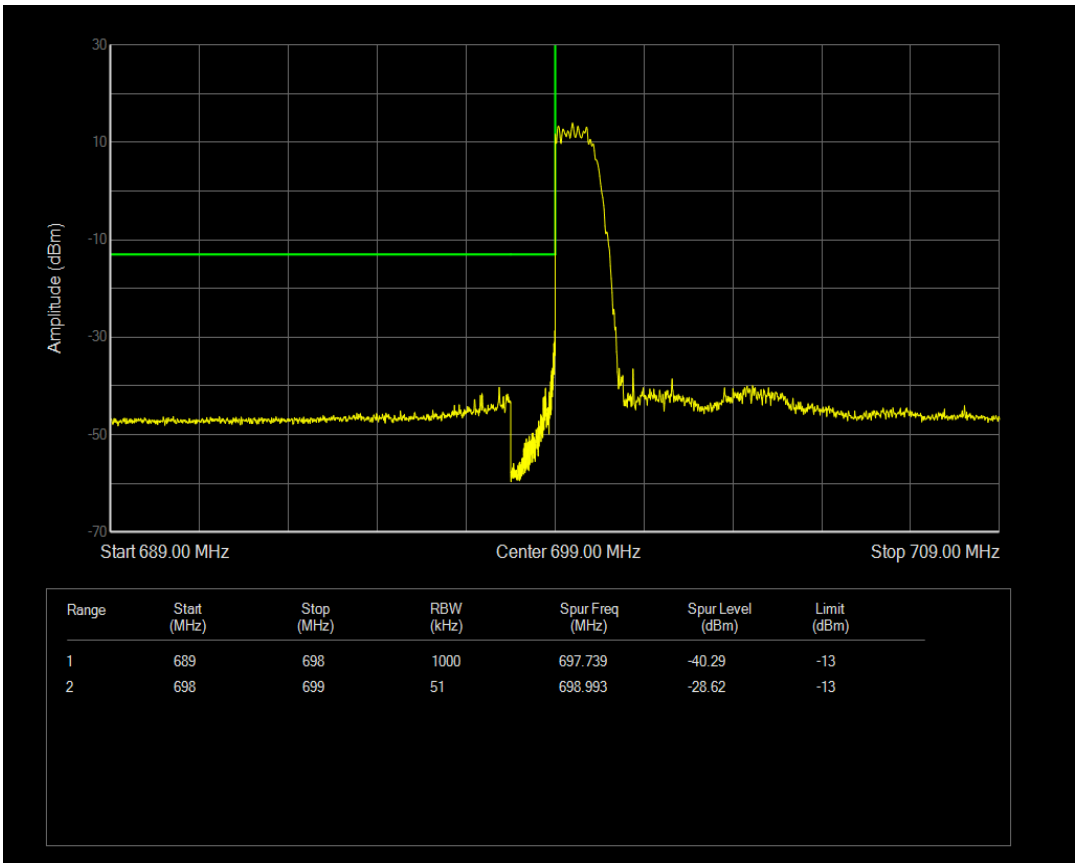
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	716	717	150	716.405	-50.55	-13
2	717	734.75	1000	717.6745	-44.37	-13

n12 SCS=15kHz DFT_QPSK BW=5MHz Channel=140300 RB=25@0



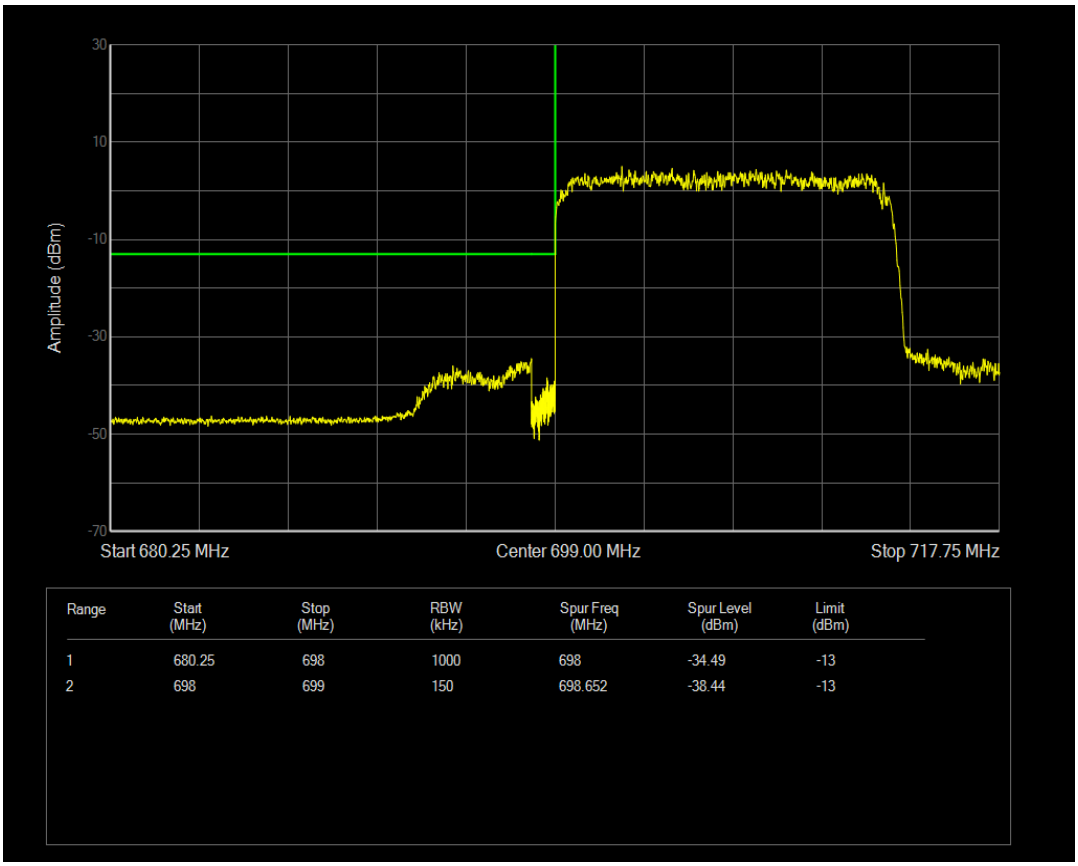
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	689	698	1000	697.793	-29.1	-13
2	698	699	51	698.98	-37.97	-13

n12 SCS=15kHz DFT_QPSK BW=5MHz Channel=140300 RB=1@0



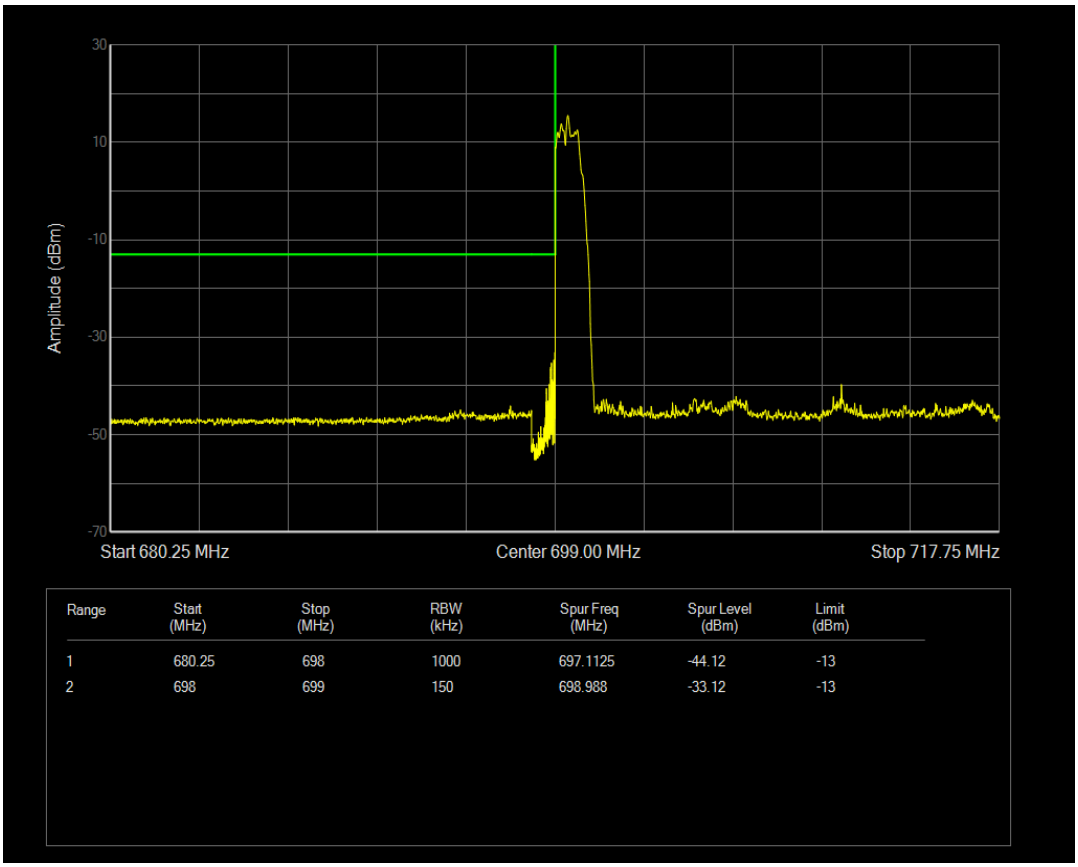
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	689	698	1000	697.739	-40.29	-13
2	698	699	51	698.993	-28.62	-13

n12 SCS=15kHz DFT_QPSK BW=15MHz Channel=141300 RB=75@0



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	680.25	698	1000	698	-34.49	-13
2	698	699	150	698.652	-38.44	-13

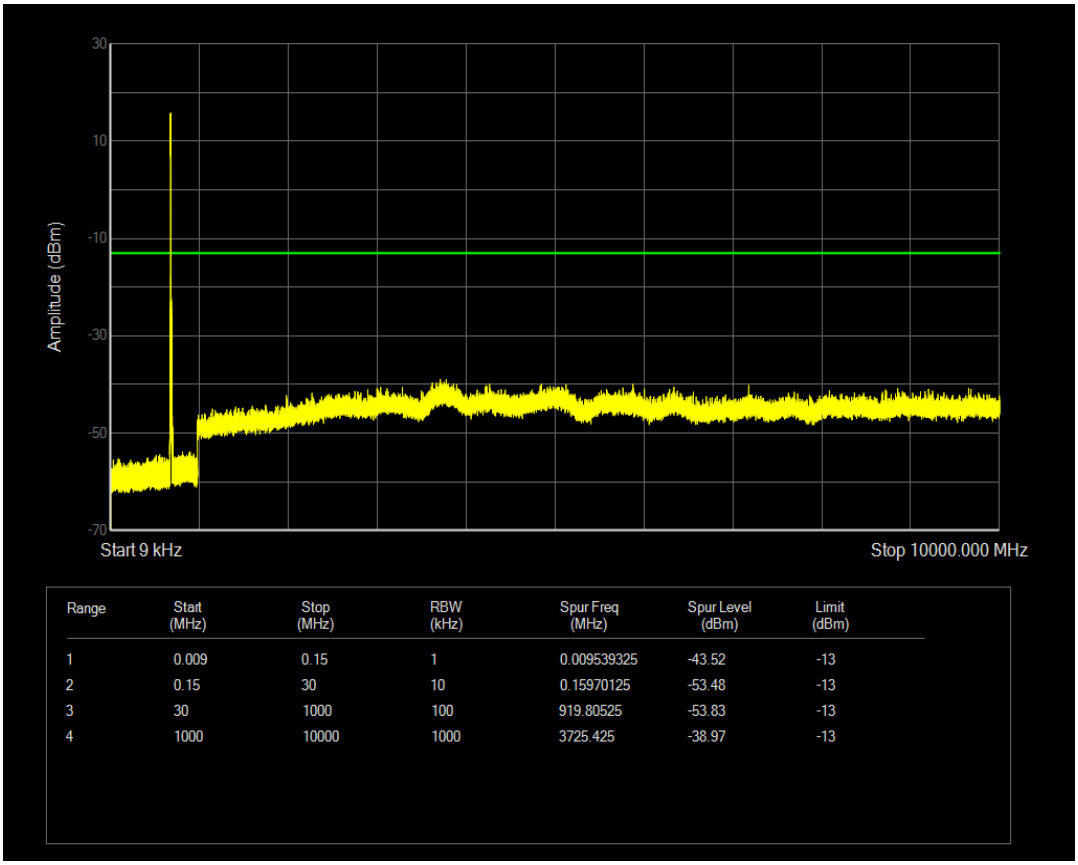
n12 SCS=15kHz DFT_QPSK BW=15MHz Channel=141300 RB=1@0



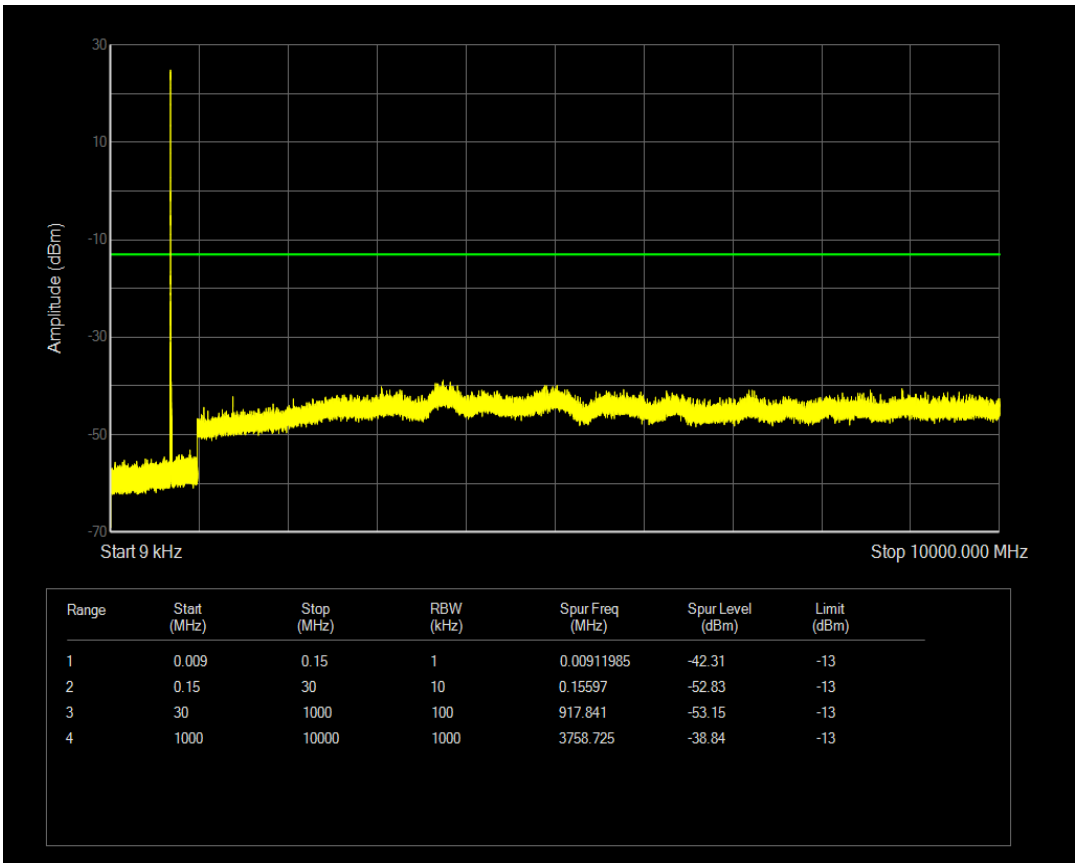
6 Out-of-band emissions for NR FR1

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
n12	15	5	140300	25@0	DFT_QPSK	3725.43	-38.97	-13	PASS
n12	15	5	140300	1@0	DFT_QPSK	3758.73	-38.84	-13	PASS
n12	15	5	140300	1@24	DFT_QPSK	3821.05	-38.97	-13	PASS
n12	15	5	141500	25@0	DFT_QPSK	5092.08	-38.62	-13	PASS
n12	15	5	141500	1@0	DFT_QPSK	4935.70	-38.54	-13	PASS
n12	15	5	141500	1@24	DFT_QPSK	3839.28	-38.87	-13	PASS
n12	15	5	142700	25@0	DFT_QPSK	3837.25	-38.63	-13	PASS
n12	15	5	142700	1@0	DFT_QPSK	3845.58	-38.83	-13	PASS
n12	15	5	142700	1@24	DFT_QPSK	5091.63	-39.09	-13	PASS
n12	15	15	141300	75@0	DFT_QPSK	3792.70	-39.03	-13	PASS
n12	15	15	141300	1@0	DFT_QPSK	3719.35	-39.01	-13	PASS
n12	15	15	141300	1@78	DFT_QPSK	3736.23	-39.35	-13	PASS
n12	15	15	141500	75@0	DFT_QPSK	3660.85	-39.50	-13	PASS
n12	15	15	141500	1@0	DFT_QPSK	5099.50	-39.46	-13	PASS
n12	15	15	141500	1@78	DFT_QPSK	3870.78	-39.22	-13	PASS
n12	15	15	141700	75@0	DFT_QPSK	3838.83	-38.73	-13	PASS
n12	15	15	141700	1@0	DFT_QPSK	3798.78	-39.26	-13	PASS
n12	15	15	141700	1@78	DFT_QPSK	3742.75	-38.29	-13	PASS

n12 SCS=15kHz DFT_QPSK BW=5MHz Channel=140300 RB=25@0

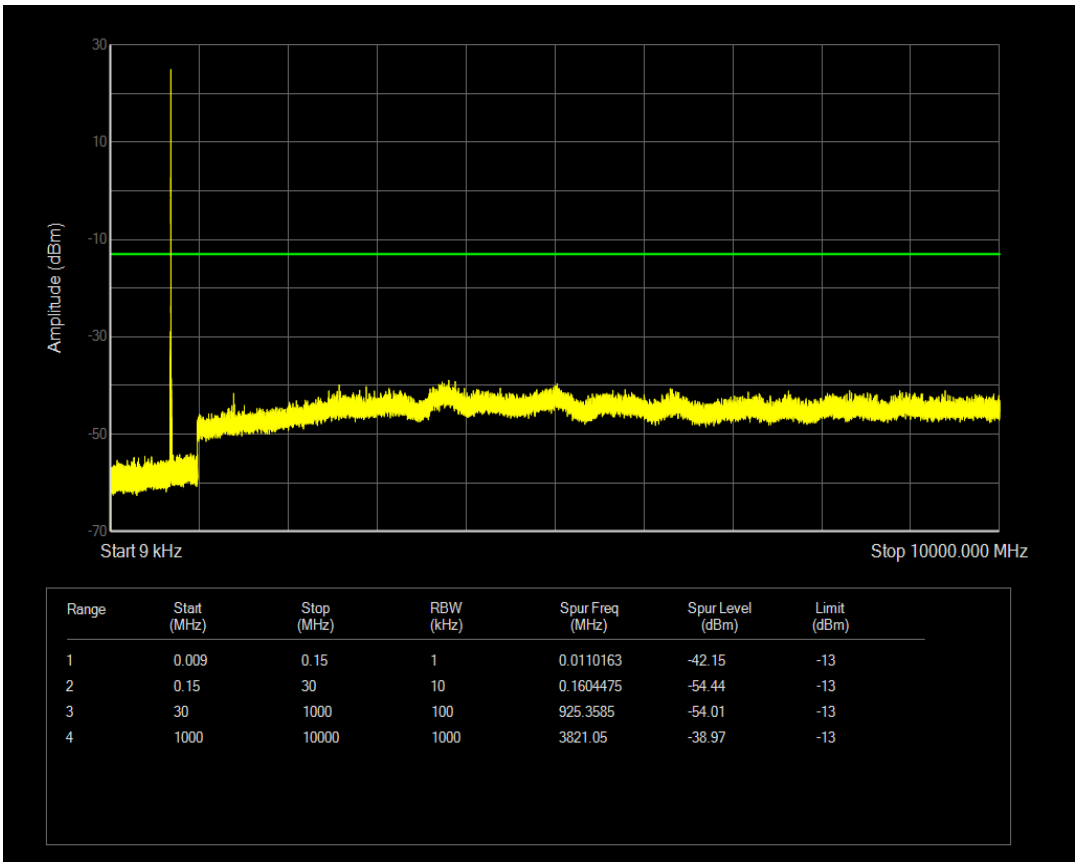


n12 SCS=15kHz DFT_QPSK BW=5MHz Channel=140300 RB=1@0



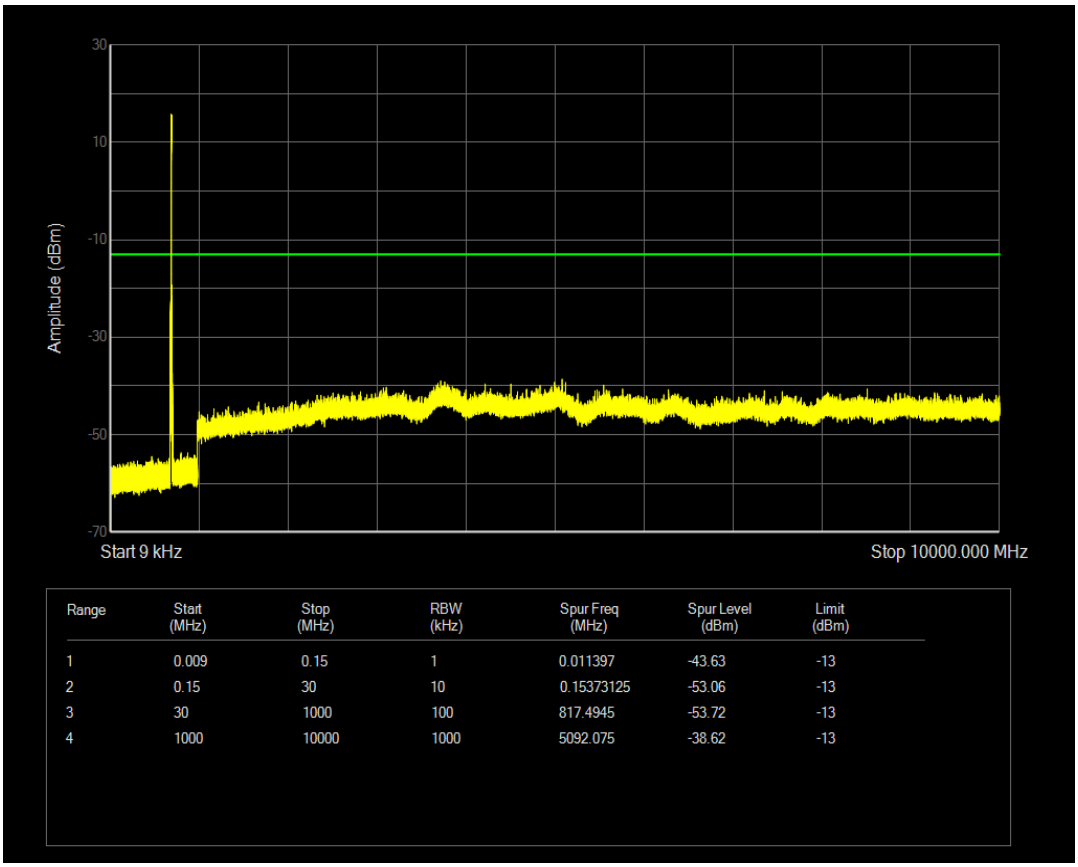
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.00911985	-42.31	-13
2	0.15	30	10	0.15597	-52.83	-13
3	30	1000	100	917.841	-53.15	-13
4	1000	10000	1000	3758.725	-38.84	-13

n12 SCS=15kHz DFT_QPSK BW=5MHz Channel=140300 RB=1@24



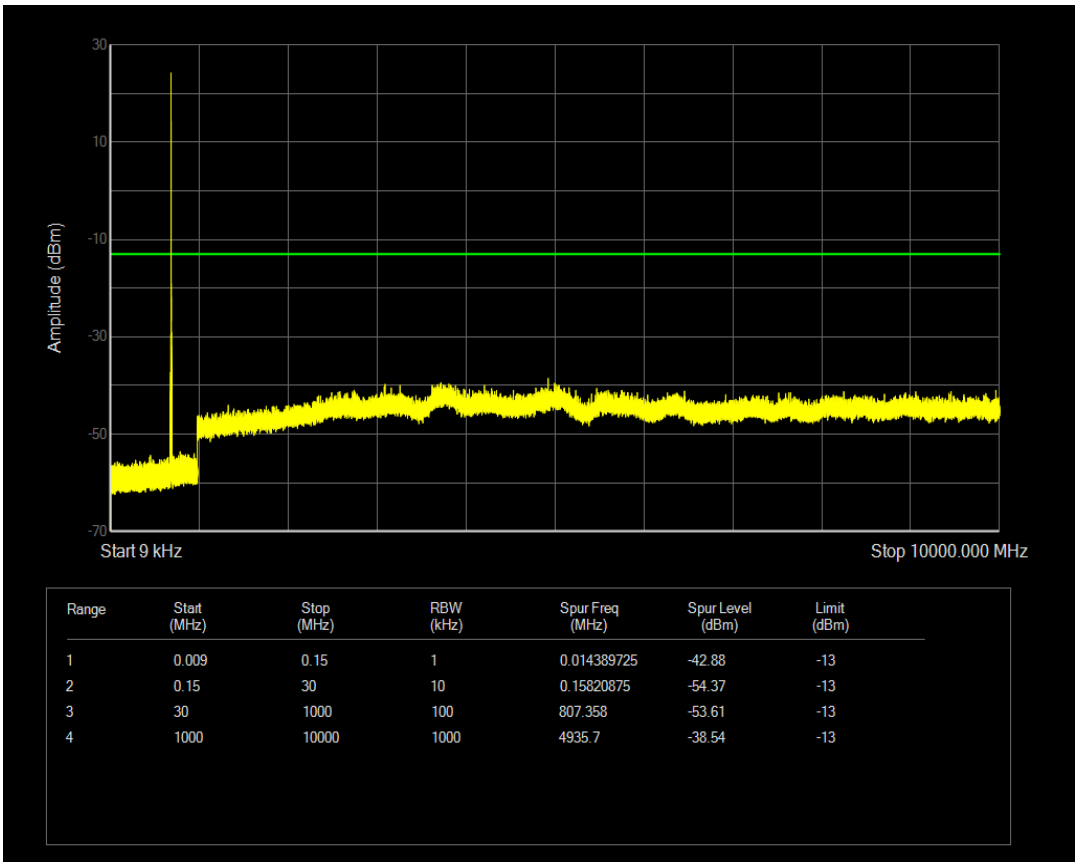
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0110163	-42.15	-13
2	0.15	30	10	0.1604475	-54.44	-13
3	30	1000	100	925.3585	-54.01	-13
4	1000	10000	1000	3821.05	-38.97	-13

n12 SCS=15kHz DFT_QPSK BW=5MHz Channel=141500 RB=25@0



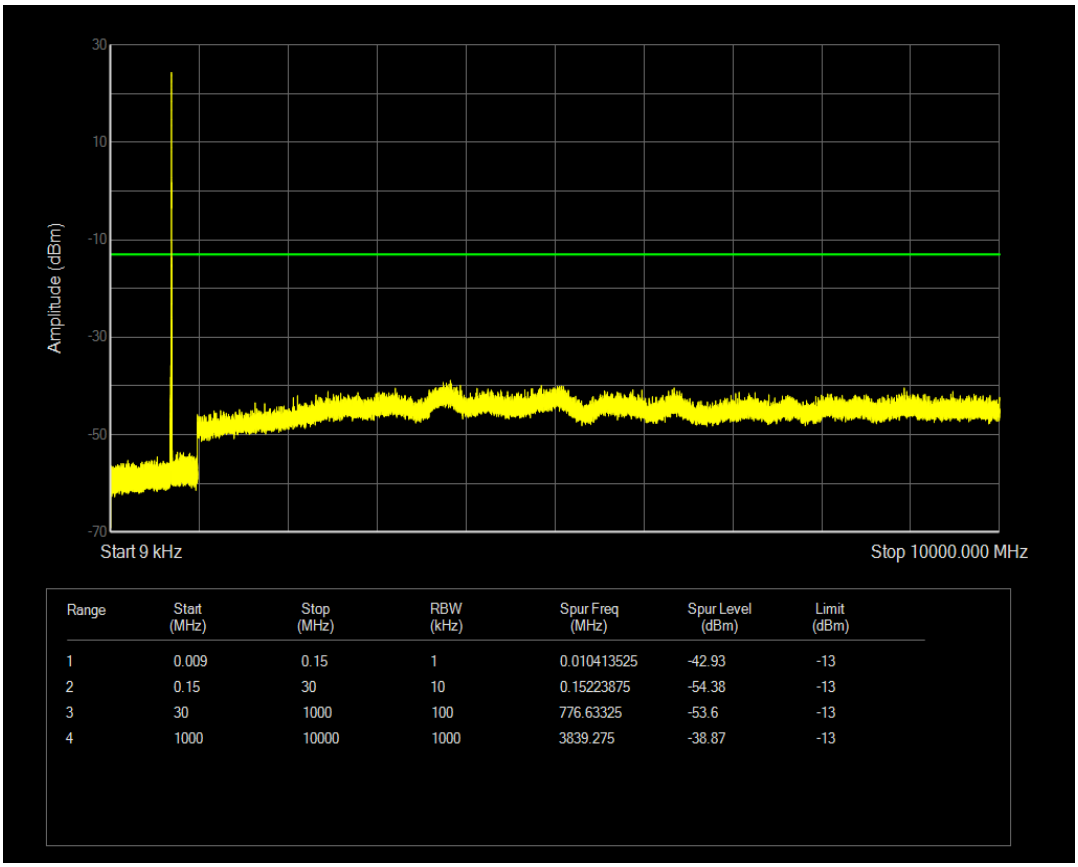
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.011397	-43.63	-13
2	0.15	30	10	0.15373125	-53.06	-13
3	30	1000	100	817.4945	-53.72	-13
4	1000	10000	1000	5092.075	-38.62	-13

n12 SCS=15kHz DFT_QPSK BW=5MHz Channel=141500 RB=1@0



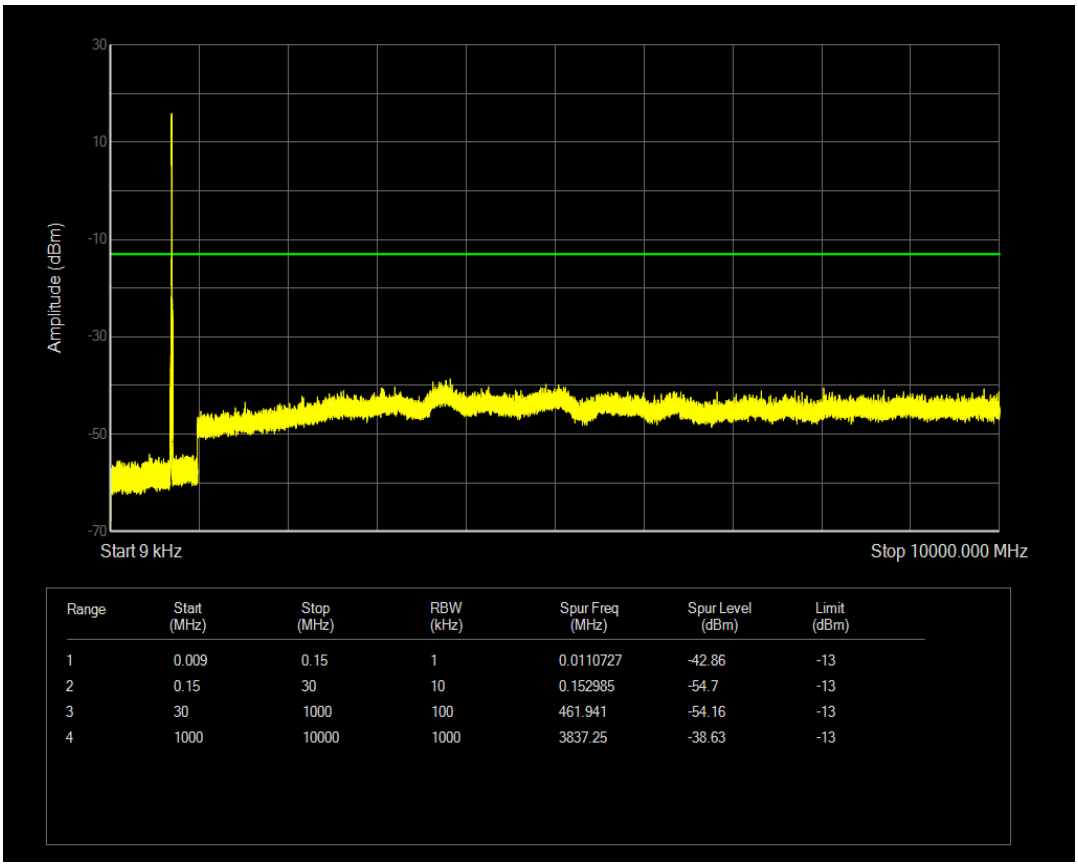
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.014389725	-42.88	-13
2	0.15	30	10	0.15820875	-54.37	-13
3	30	1000	100	807.358	-53.61	-13
4	1000	10000	1000	4935.7	-38.54	-13

n12 SCS=15kHz DFT_QPSK BW=5MHz Channel=141500 RB=1@24



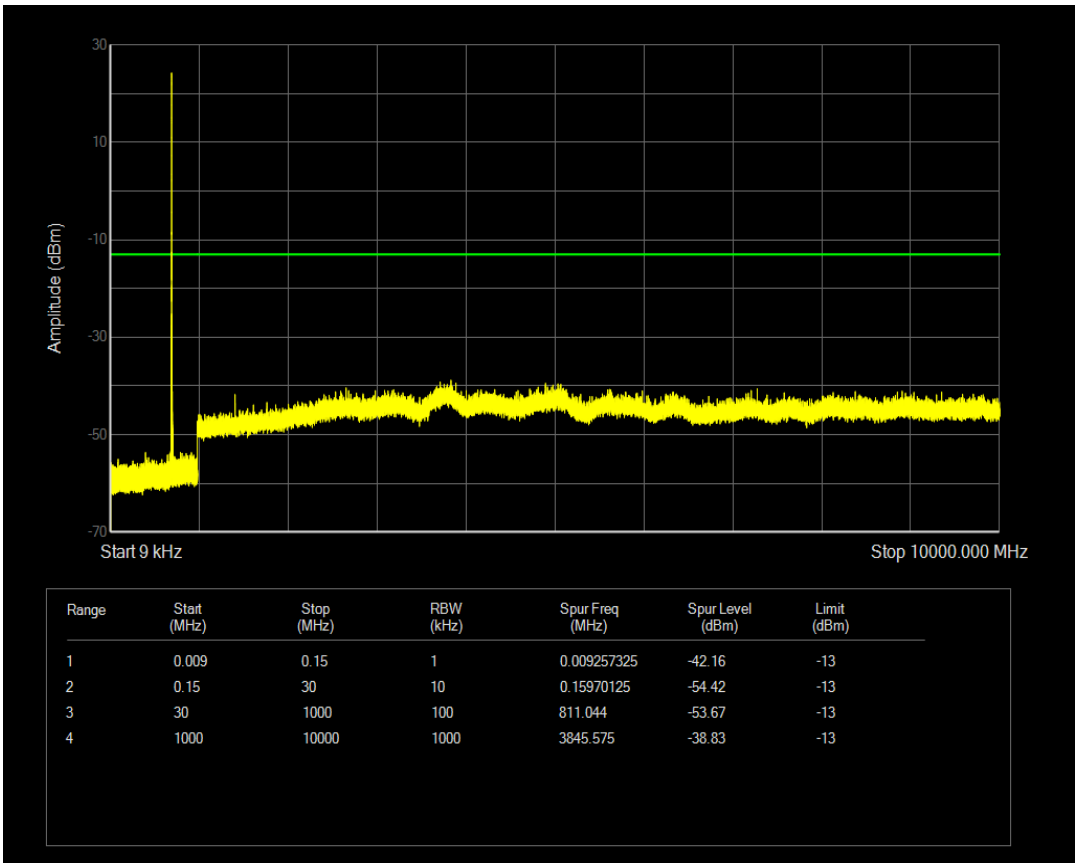
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.010413525	-42.93	-13
2	0.15	30	10	0.15223875	-54.38	-13
3	30	1000	100	776.63325	-53.6	-13
4	1000	10000	1000	3839.275	-38.87	-13

n12 SCS=15kHz DFT_QPSK BW=5MHz Channel=142700 RB=25@0



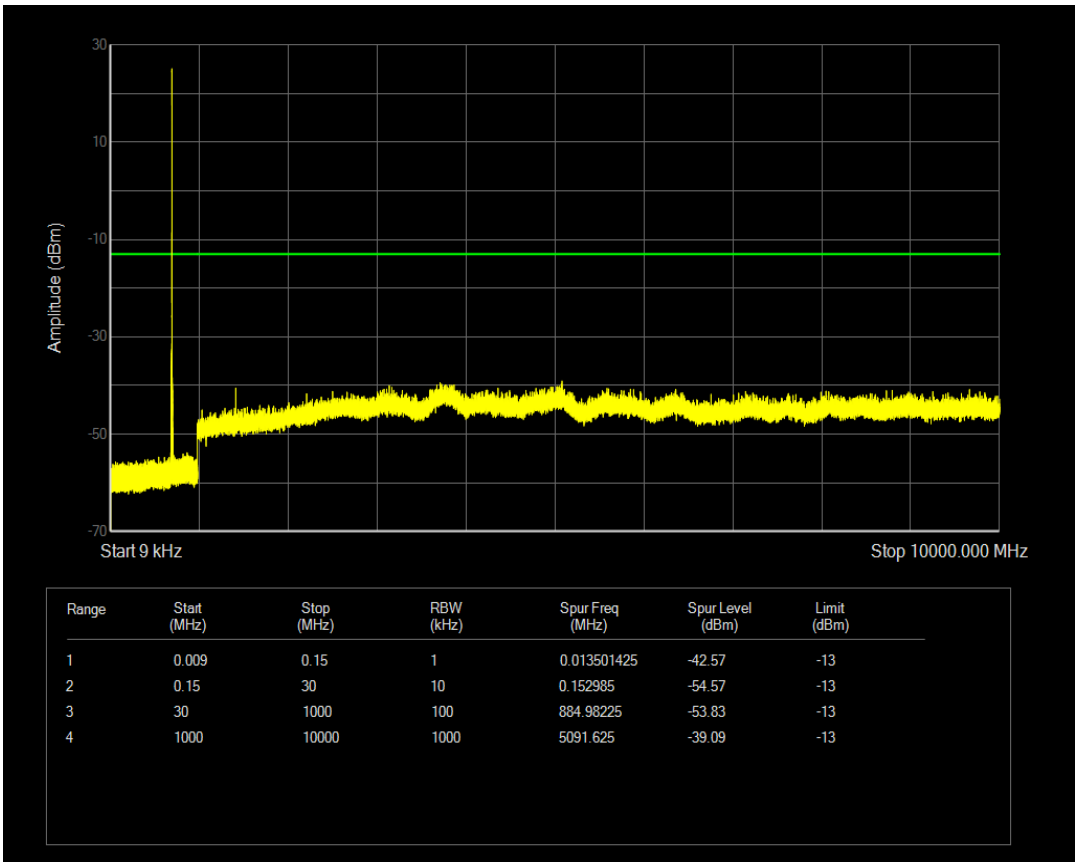
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0110727	-42.86	-13
2	0.15	30	10	0.152985	-54.7	-13
3	30	1000	100	461.941	-54.16	-13
4	1000	10000	1000	3837.25	-38.63	-13

n12 SCS=15kHz DFT_QPSK BW=5MHz Channel=142700 RB=1@0



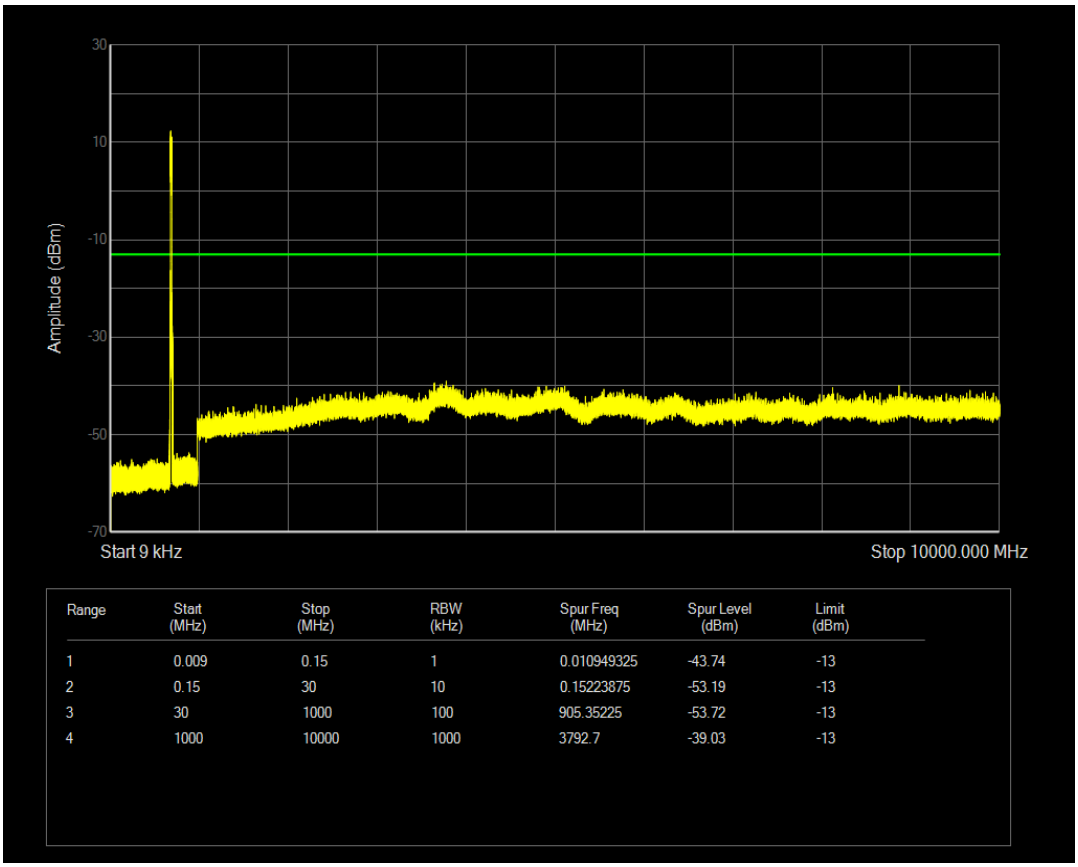
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009257325	-42.16	-13
2	0.15	30	10	0.15970125	-54.42	-13
3	30	1000	100	811.044	-53.67	-13
4	1000	10000	1000	3845.575	-38.83	-13

n12 SCS=15kHz DFT_QPSK BW=5MHz Channel=142700 RB=1@24



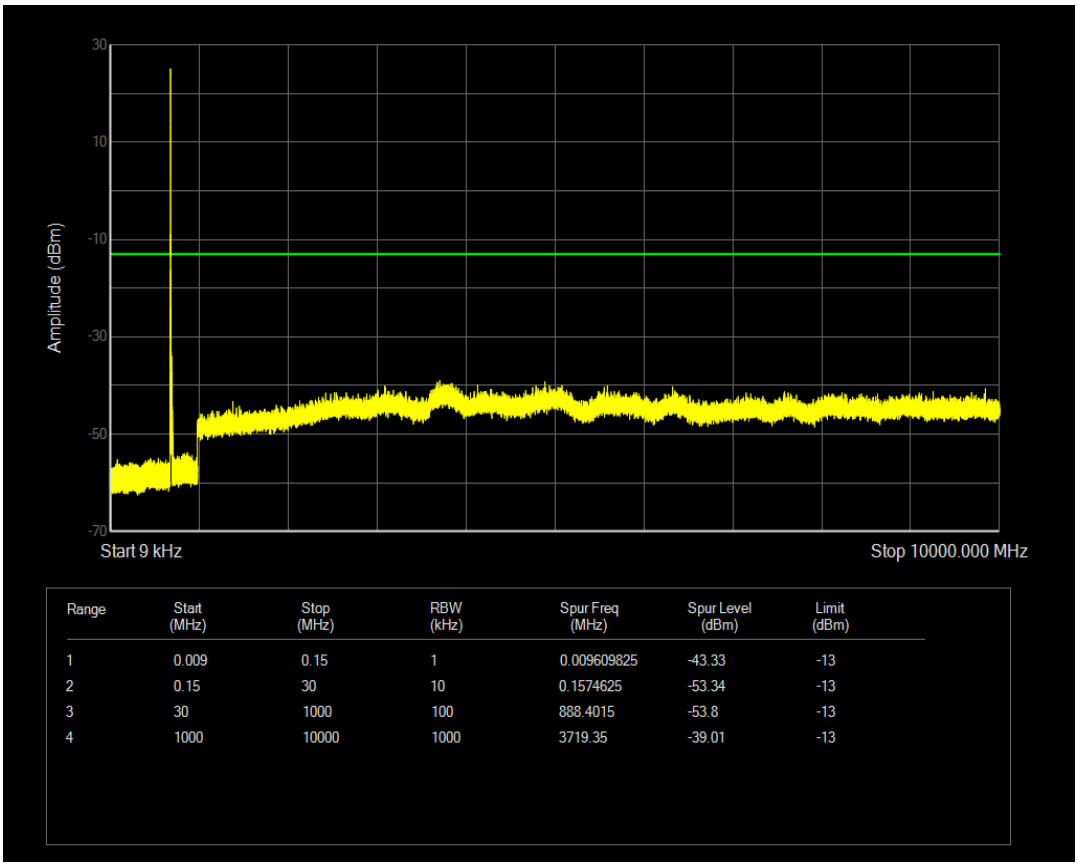
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.013501425	-42.57	-13
2	0.15	30	10	0.152985	-54.57	-13
3	30	1000	100	884.98225	-53.83	-13
4	1000	10000	1000	5091.625	-39.09	-13

n12 SCS=15kHz DFT_QPSK BW=15MHz Channel=141300 RB=75@0



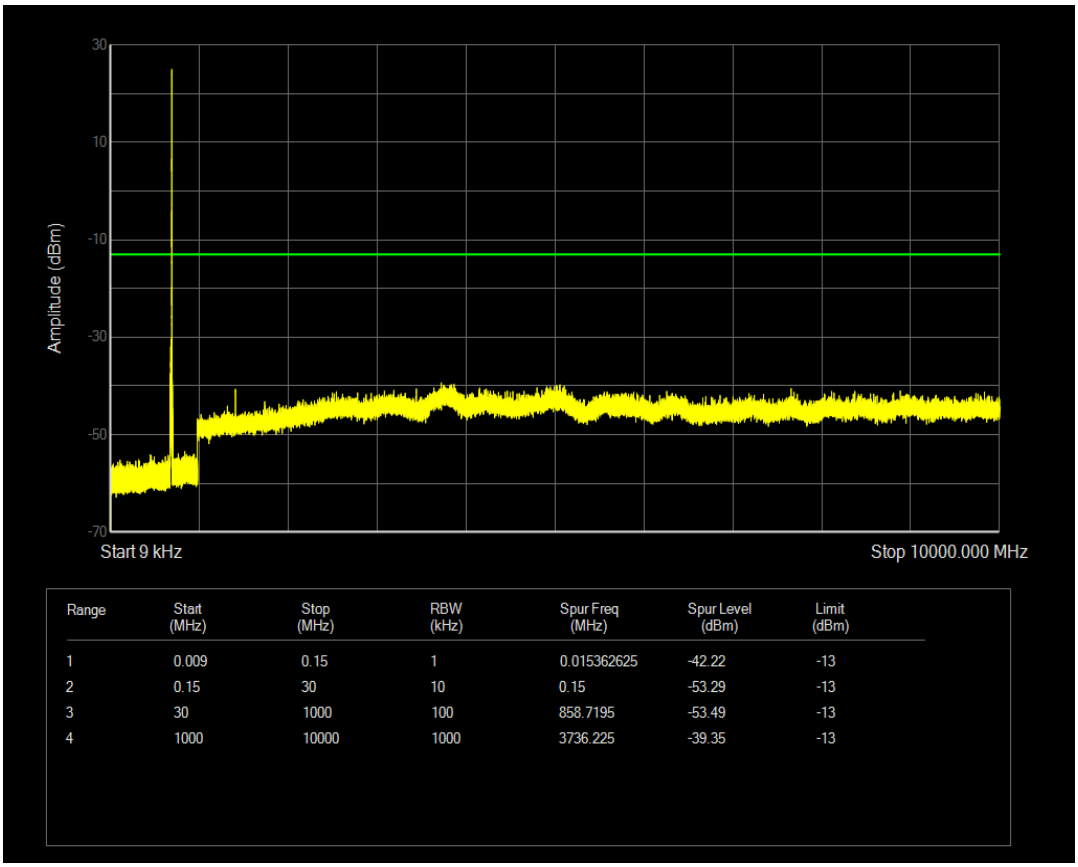
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.010949325	-43.74	-13
2	0.15	30	10	0.15223875	-53.19	-13
3	30	1000	100	905.35225	-53.72	-13
4	1000	10000	1000	3792.7	-39.03	-13

n12 SCS=15kHz DFT_QPSK BW=15MHz Channel=141300 RB=1@0



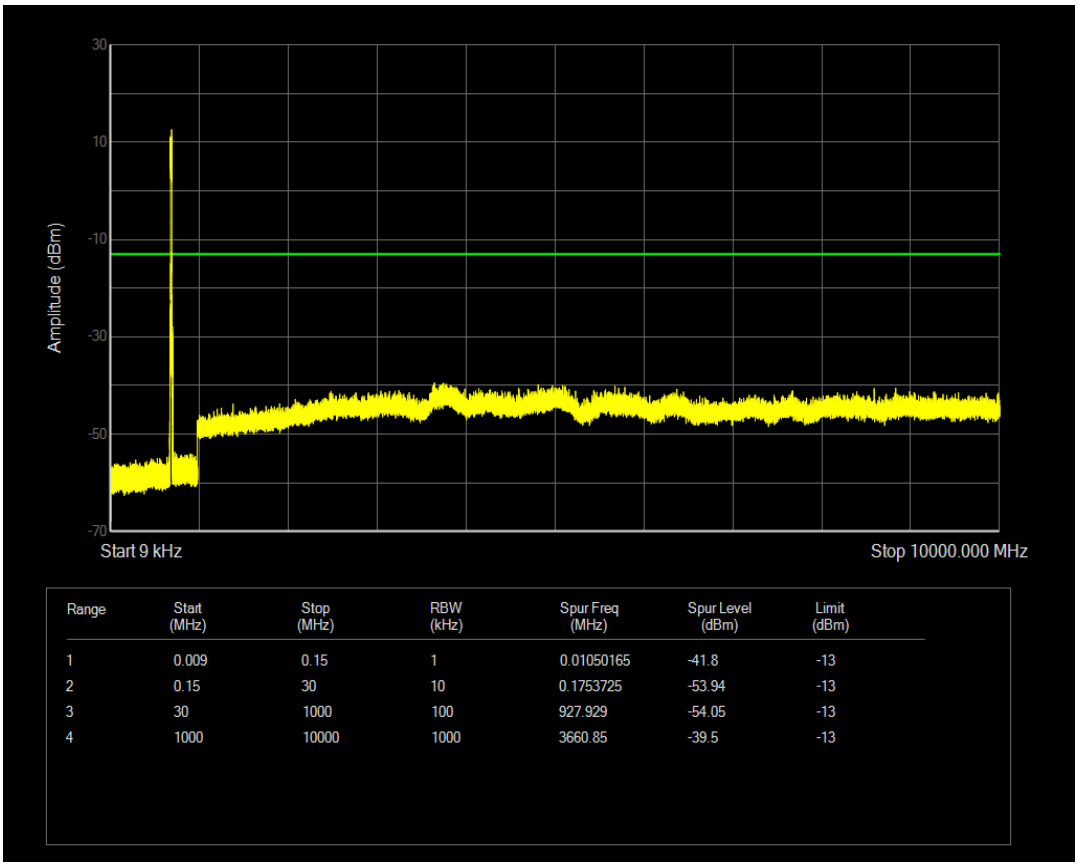
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009609825	-43.33	-13
2	0.15	30	10	0.1574625	-53.34	-13
3	30	1000	100	888.4015	-53.8	-13
4	1000	10000	1000	3719.35	-39.01	-13

n12 SCS=15kHz DFT_QPSK BW=15MHz Channel=141300 RB=1@78



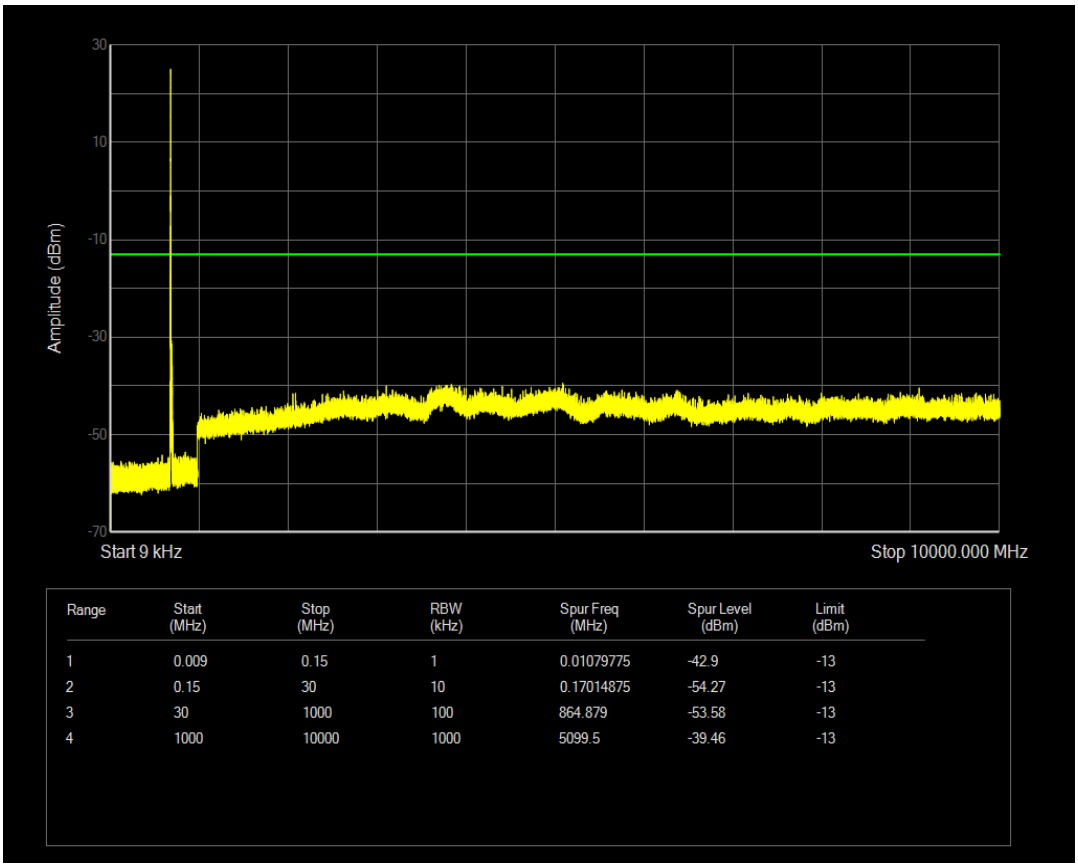
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.015362625	-42.22	-13
2	0.15	30	10	0.15	-53.29	-13
3	30	1000	100	858.7195	-53.49	-13
4	1000	10000	1000	3736.225	-39.35	-13

n12 SCS=15kHz DFT_QPSK BW=15MHz Channel=141500 RB=75@0



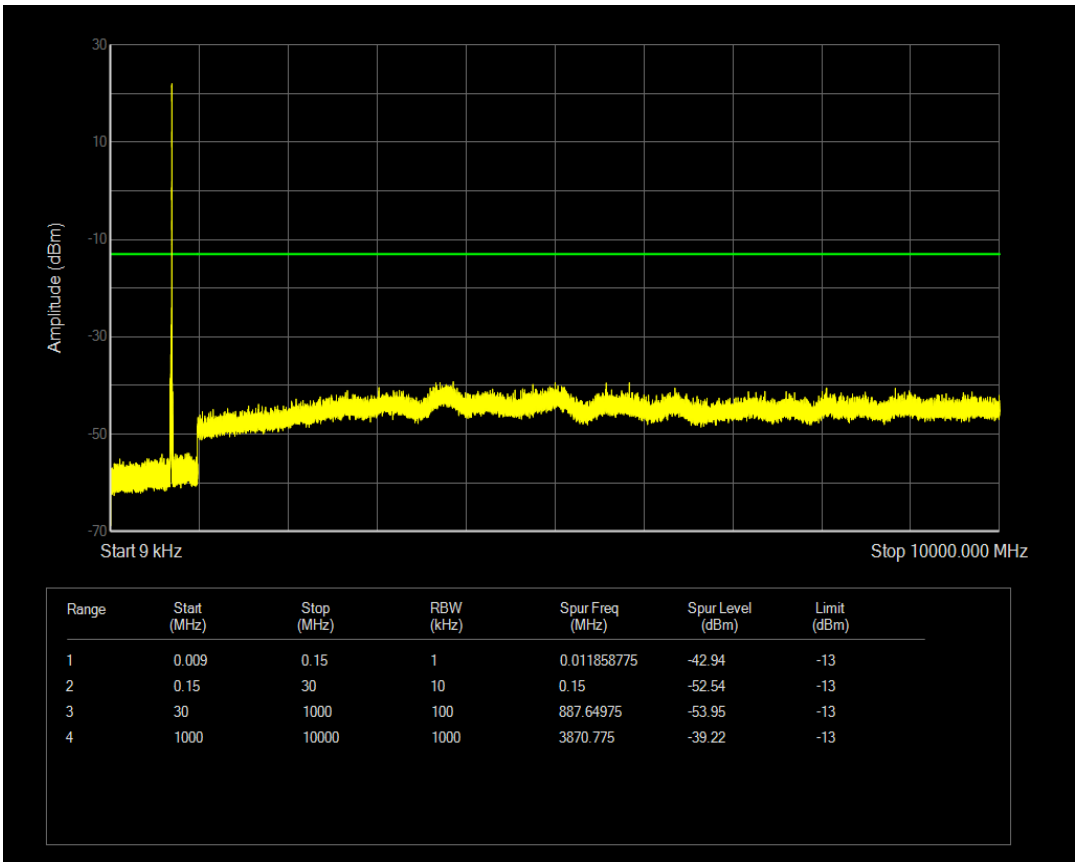
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01050165	-41.8	-13
2	0.15	30	10	0.1753725	-53.94	-13
3	30	1000	100	927.929	-54.05	-13
4	1000	10000	1000	3660.85	-39.5	-13

n12 SCS=15kHz DFT_QPSK BW=15MHz Channel=141500 RB=1@0



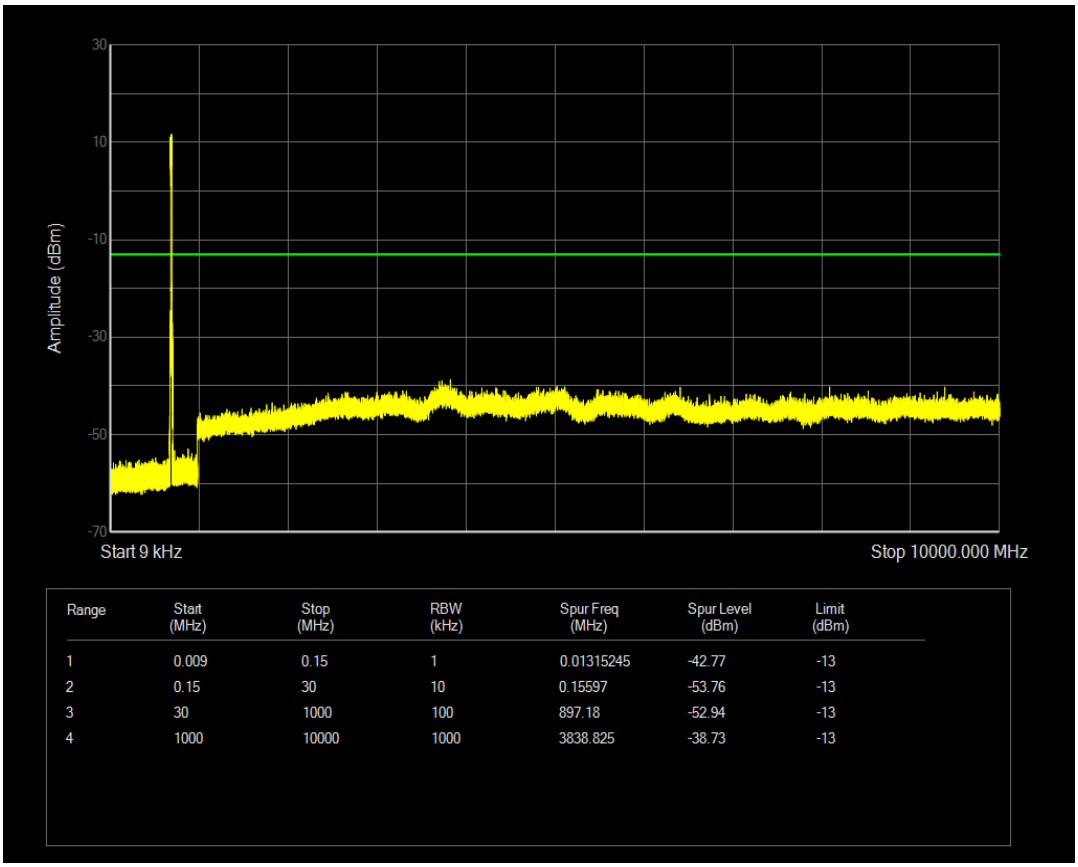
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01079775	-42.9	-13
2	0.15	30	10	0.17014875	-54.27	-13
3	30	1000	100	864.879	-53.58	-13
4	1000	10000	1000	5099.5	-39.46	-13

n12 SCS=15kHz DFT_QPSK BW=15MHz Channel=141500 RB=1@78



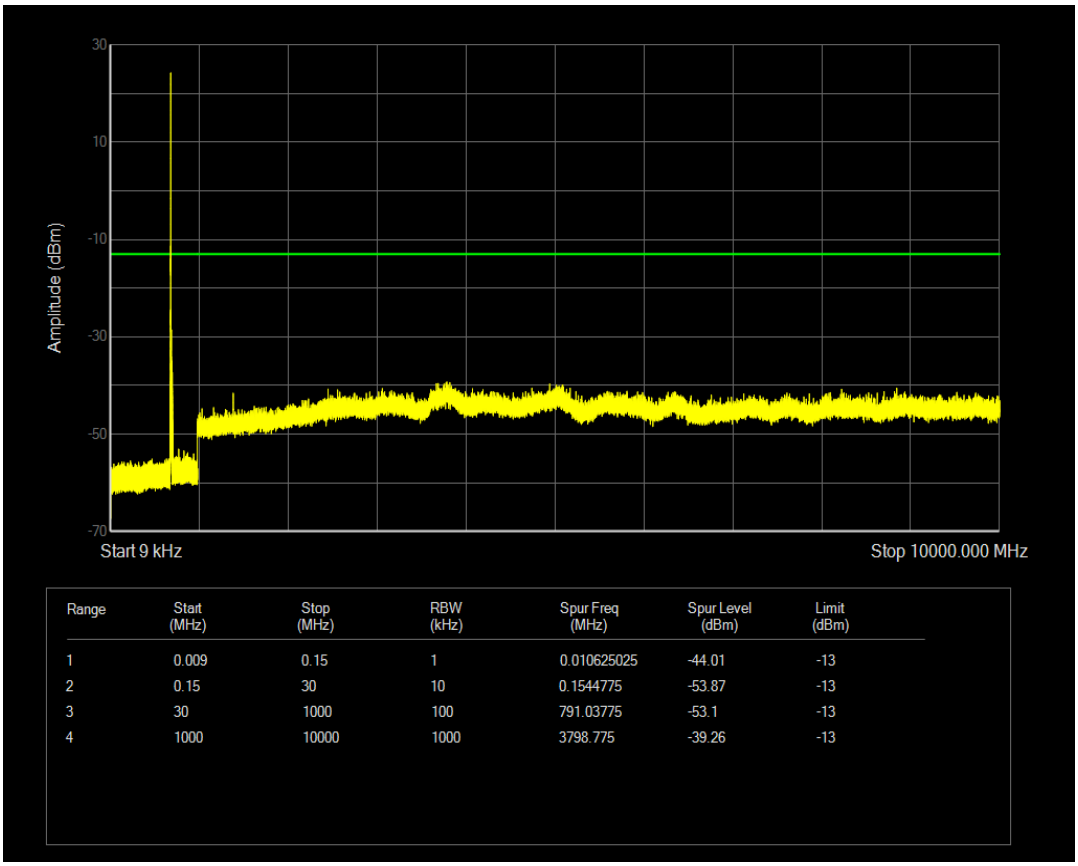
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.011858775	-42.94	-13
2	0.15	30	10	0.15	-52.54	-13
3	30	1000	100	887.64975	-53.95	-13
4	1000	10000	1000	3870.775	-39.22	-13

n12 SCS=15kHz DFT_QPSK BW=15MHz Channel=141700 RB=75@0



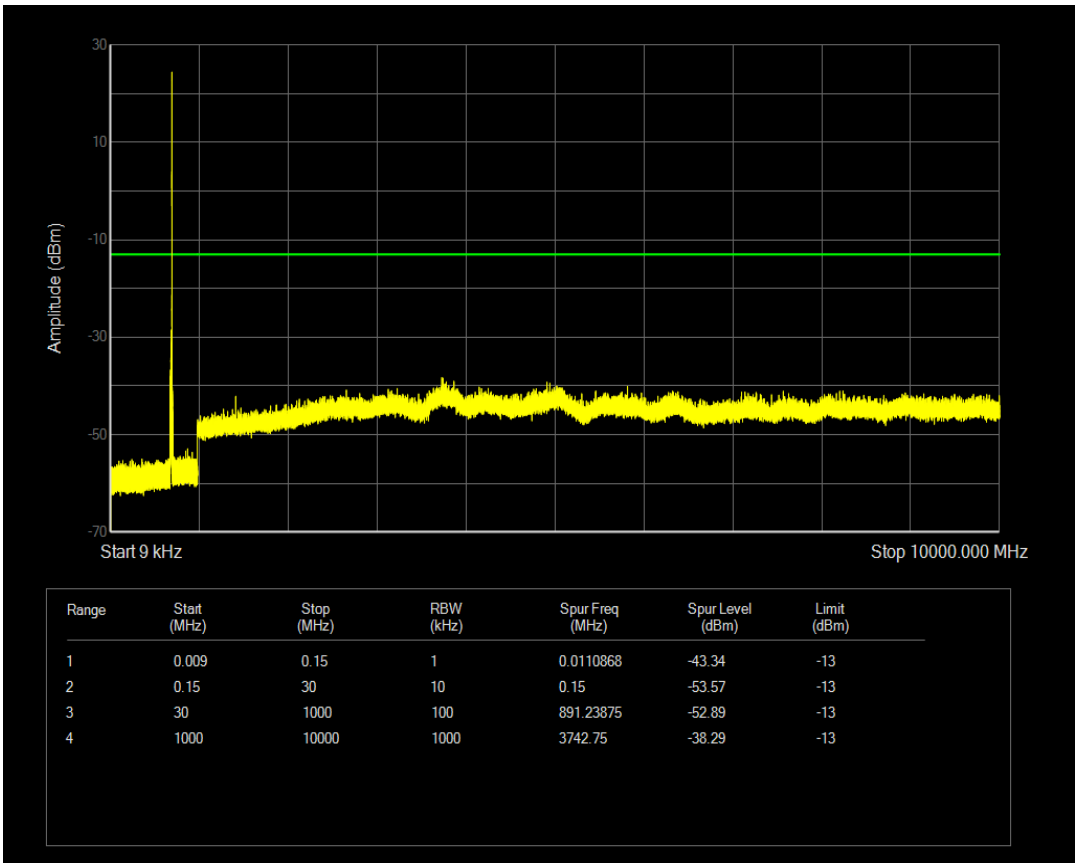
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01315245	-42.77	-13
2	0.15	30	10	0.15597	-53.76	-13
3	30	1000	100	897.18	-52.94	-13
4	1000	10000	1000	3838.825	-38.73	-13

n12 SCS=15kHz DFT_QPSK BW=15MHz Channel=141700 RB=1@0



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.010625025	-44.01	-13
2	0.15	30	10	0.1544775	-53.87	-13
3	30	1000	100	791.03775	-53.1	-13
4	1000	10000	1000	3798.775	-39.26	-13

n12 SCS=15kHz DFT_QPSK BW=15MHz Channel=141700 RB=1@78



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0110868	-43.34	-13
2	0.15	30	10	0.15	-53.57	-13
3	30	1000	100	891.23875	-52.89	-13
4	1000	10000	1000	3742.75	-38.29	-13