1 Conducted output power for NR FR1

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Power (dBm)	ERP (dBm)	Limit (dBm)	Verdict
n5	30	10	165800	12@6	DFT_BPSK	22.72	16.24	38.5	PASS
n5	30	10	165800	1@1	DFT_BPSK	22.56	16.08	38.5	PASS
n5	30	10	165800	1@22	DFT_BPSK	22.64	16.16	38.5	PASS
n5	30	10	165800	12@6	DFT_QPSK	22.83	16.35	38.5	PASS
n5	30	10	165800	1@1	DFT_QPSK	22.53	16.05	38.5	PASS
n5	30	10	165800	1@22	DFT_QPSK	22.47	15.99	38.5	PASS
n5	30	10	165800	12@6	DFT_QAM16	21.82	15.34	38.5	PASS
n5	30	10	165800	1@1	DFT_QAM16	21.82	15.34	38.5	PASS
n5	30	10	165800	1@22	DFT_QAM16	21.77	15.29	38.5	PASS
n5	30	10	165800	12@6	DFT_QAM64	20.34	13.86	38.5	PASS
n5	30	10	165800	1@1	DFT_QAM64	20.38	13.9	38.5	PASS
n5	30	10	165800	1@22	DFT_QAM64	19.89	13.41	38.5	PASS
n5	30	10	165800	12@6	DFT_QAM256	18.35	11.87	38.5	PASS
n5	30	10	165800	1@1	DFT_QAM256	18.24	11.76	38.5	PASS
n5	30	10	165800	1@22	DFT_QAM256	18.06	11.58	38.5	PASS
n5	30	10	165800	12@6	CP_QPSK	21.16	14.68	38.5	PASS
n5	30	10	165800	1@1	CP_QPSK	21.03	14.55	38.5	PASS
n5	30	10	165800	1@22	CP_QPSK	21.10	14.62	38.5	PASS
n5	30	10	165800	12@6	CP_QAM16	20.79	14.31	38.5	PASS
n5	30	10	165800	1@1	CP_QAM16	21.08	14.6	38.5	PASS
n5	30	10	165800	1@22	CP_QAM16	21.07	14.59	38.5	PASS
n5	30	10	165800	12@6	CP_QAM64	19.21	12.73	38.5	PASS
n5	30	10	165800	1@1	CP_QAM64	18.92	12.44	38.5	PASS
n5	30	10	165800	1@22	CP_QAM64	19.06	12.58	38.5	PASS
n5	30	10	165800	12@6	CP_QAM256	16.28	9.8	38.5	PASS
n5	30	10	165800	1@1	CP_QAM256	16.69	10.21	38.5	PASS
n5	30	10	165800	1@22	CP_QAM256	16.46	9.98	38.5	PASS
n5	30	10	167300	12@6	DFT_BPSK	22.58	16.1	38.5	PASS
n5	30	10	167300	1@1	DFT_BPSK	22.53	16.05	38.5	PASS
n5	30	10	167300	1@22	DFT_BPSK	22.33	15.85	38.5	PASS
n5	30	10	167300	12@6	DFT_QPSK	22.75	16.27	38.5	PASS
n5	30	10	167300	1@1	DFT_QPSK	22.59	16.11	38.5	PASS
n5	30	10	167300	1@22	DFT_QPSK	22.41	15.93	38.5	PASS
n5	30	10	167300	12@6	DFT_QAM16	21.49	15.01	38.5	PASS
n5	30	10	167300	1@1	DFT_QAM16	21.47	14.99	38.5	PASS
n5	30	10	167300	1@22	DFT_QAM16	21.34	14.86	38.5	PASS
n5	30	10	167300	12@6	DFT_QAM64	20.00	13.52	38.5	PASS
n5	30	10	167300	1@1	DFT_QAM64	20.19	13.71	38.5	PASS
n5	30	10	167300	1@22	DFT_QAM64	20.11	13.63	38.5	PASS

n5	30	10	167300	12@6	DFT_QAM256	18.17	11.69	38.5	PASS
n5	30	10	167300	1@1	DFT_QAM256	18.15	11.67	38.5	PASS
n5	30	10	167300	1@22	DFT_QAM256	18.04	11.56	38.5	PASS
n5	30	10	167300	12@6	CP_QPSK	20.90	14.42	38.5	PASS
n5	30	10	167300	1@1	CP_QPSK	21.06	14.58	38.5	PASS
n5	30	10	167300	1@22	CP_QPSK	20.68	14.2	38.5	PASS
n5	30	10	167300	12@6	CP_QAM16	20.52	14.04	38.5	PASS
n5	30	10	167300	1@1	CP_QAM16	20.91	14.43	38.5	PASS
n5	30	10	167300	1@22	CP_QAM16	20.75	14.27	38.5	PASS
n5	30	10	167300	12@6	CP_QAM64	19.02	12.54	38.5	PASS
n5	30	10	167300	1@1	CP_QAM64	19.69	13.21	38.5	PASS
n5	30	10	167300	1@22	CP_QAM64	19.37	12.89	38.5	PASS
n5	30	10	167300	12@6	CP_QAM256	16.04	9.56	38.5	PASS
n5	30	10	167300	1@1	CP_QAM256	16.72	10.24	38.5	PASS
n5	30	10	167300	1@22	CP_QAM256	16.49	10.01	38.5	PASS
n5	30	10	168800	12@6	DFT_BPSK	22.50	16.02	38.5	PASS
n5	30	10	168800	1@1	DFT_BPSK	22.40	15.92	38.5	PASS
n5	30	10	168800	1@22	DFT_BPSK	22.45	15.97	38.5	PASS
n5	30	10	168800	12@6	DFT_QPSK	22.56	16.08	38.5	PASS
n5	30	10	168800	1@1	DFT_QPSK	22.26	15.78	38.5	PASS
n5	30	10	168800	1@22	DFT_QPSK	22.34	15.86	38.5	PASS
n5	30	10	168800	12@6	DFT_QAM16	21.53	15.05	38.5	PASS
n5	30	10	168800	1@1	DFT_QAM16	21.50	15.02	38.5	PASS
n5	30	10	168800	1@22	DFT_QAM16	21.66	15.18	38.5	PASS
n5	30	10	168800	12@6	DFT_QAM64	20.03	13.55	38.5	PASS
n5	30	10	168800	1@1	DFT_QAM64	20.20	13.72	38.5	PASS
n5	30	10	168800	1@22	DFT_QAM64	20.07	13.59	38.5	PASS
n5	30	10	168800	12@6	DFT_QAM256	18.02	11.54	38.5	PASS
n5	30	10	168800	1@1	DFT_QAM256	18.03	11.55	38.5	PASS
n5	30	10	168800	1@22	DFT_QAM256	18.00	11.52	38.5	PASS
n5	30	10	168800	12@6	CP_QPSK	20.84	14.36	38.5	PASS
n5	30	10	168800	1@1	CP_QPSK	20.75	14.27	38.5	PASS
n5	30	10	168800	1@22	CP_QPSK	21.07	14.59	38.5	PASS
n5	30	10	168800	12@6	CP_QAM16	20.54	14.06	38.5	PASS
n5	30	10	168800	1@1	CP_QAM16	20.84	14.36	38.5	PASS
n5	30	10	168800	1@22	CP_QAM16	20.89	14.41	38.5	PASS
n5	30	10	168800	12@6	CP_QAM64	18.91	12.43	38.5	PASS
n5	30	10	168800	1@1	CP_QAM64	19.24	12.76	38.5	PASS
n5	30	10	168800	1@22	CP_QAM64	19.00	12.52	38.5	PASS
n5	30	10	168800	12@6	CP_QAM256	15.96	9.48	38.5	PASS
n5	30	10	168800	1@1	CP_QAM256	16.45	9.97	38.5	PASS
n5	30	10	168800	1@22	CP_QAM256	16.62	10.14	38.5	PASS
n5	30	15	166300	18@9	DFT_BPSK	22.66	16.18	38.5	PASS
n5	30	15	166300	1@1	DFT_BPSK	22.55	16.07	38.5	PASS

n5	30	15	166300	1@36	DFT_BPSK	22.44	15.96	38.5	PASS
n5	30	15	166300	18@9	DFT_QPSK	22.79	16.31	38.5	PASS
n5	30	15	166300	1@1	DFT_QPSK	22.52	16.04	38.5	PASS
n5	30	15	166300	1@36	DFT_QPSK	22.31	15.83	38.5	PASS
n5	30	15	166300	18@9	DFT_QAM16	21.66	15.18	38.5	PASS
n5	30	15	166300	1@1	DFT_QAM16	21.59	15.11	38.5	PASS
n5	30	15	166300	1@36	DFT_QAM16	21.56	15.08	38.5	PASS
n5	30	15	166300	18@9	DFT_QAM64	20.20	13.72	38.5	PASS
n5	30	15	166300	1@1	DFT_QAM64	20.44	13.96	38.5	PASS
n5	30	15	166300	1@36	DFT_QAM64	20.24	13.76	38.5	PASS
n5	30	15	166300	18@9	DFT_QAM256	18.16	11.68	38.5	PASS
n5	30	15	166300	1@1	DFT_QAM256	18.10	11.62	38.5	PASS
n5	30	15	166300	1@36	DFT_QAM256	18.09	11.61	38.5	PASS
n5	30	15	166300	19@9	CP_QPSK	21.16	14.68	38.5	PASS
n5	30	15	166300	1@1	CP_QPSK	20.90	14.42	38.5	PASS
n5	30	15	166300	1@36	CP_QPSK	20.76	14.28	38.5	PASS
n5	30	15	166300	19@9	CP_QAM16	20.72	14.24	38.5	PASS
n5	30	15	166300	1@1	CP_QAM16	20.57	14.09	38.5	PASS
n5	30	15	166300	1@36	CP_QAM16	20.73	14.25	38.5	PASS
n5	30	15	166300	19@9	CP_QAM64	19.21	12.73	38.5	PASS
n5	30	15	166300	1@1	CP_QAM64	18.76	12.28	38.5	PASS
n5	30	15	166300	1@36	CP_QAM64	18.64	12.16	38.5	PASS
n5	30	15	166300	19@9	CP_QAM256	16.16	9.68	38.5	PASS
n5	30	15	166300	1@1	CP_QAM256	16.73	10.25	38.5	PASS
n5	30	15	166300	1@36	CP_QAM256	16.61	10.13	38.5	PASS
n5	30	15	167300	18@9	DFT_BPSK	22.63	16.15	38.5	PASS
n5	30	15	167300	1@1	DFT_BPSK	22.55	16.07	38.5	PASS
n5	30	15	167300	1@36	DFT_BPSK	22.33	15.85	38.5	PASS
n5	30	15	167300	18@9	DFT_QPSK	22.61	16.13	38.5	PASS
n5	30	15	167300	1@1	DFT_QPSK	22.41	15.93	38.5	PASS
n5	30	15	167300	1@36	DFT_QPSK	22.19	15.71	38.5	PASS
n5	30	15	167300	18@9	DFT_QAM16	21.55	15.07	38.5	PASS
n5	30	15	167300	1@1	DFT_QAM16	21.69	15.21	38.5	PASS
n5	30	15	167300	1@36	DFT_QAM16	21.46	14.98	38.5	PASS
n5	30	15	167300	18@9	DFT_QAM64	20.06	13.58	38.5	PASS
n5	30	15	167300	1@1	DFT_QAM64	20.41	13.93	38.5	PASS
n5	30	15	167300	1@36	DFT_QAM64	20.19	13.71	38.5	PASS
n5	30	15	167300	18@9	DFT_QAM256	18.03	11.55	38.5	PASS
n5	30	15	167300	1@1	DFT_QAM256	18.04	11.56	38.5	PASS
n5	30	15	167300	1@36	DFT_QAM256	17.81	11.33	38.5	PASS
n5	30	15	167300	19@9	CP_QPSK	21.07	14.59	38.5	PASS
n5	30	15	167300	1@1	CP_QPSK	21.03	14.55	38.5	PASS
n5	30	15	167300	1@36	CP_QPSK	20.73	14.25	38.5	PASS
n5	30	15	167300	19@9	CP_QAM16	20.56	14.08	38.5	PASS

n5	30	15	167300	1@1	CP_QAM16	21.04	14.56	38.5	PASS
n5	30	15	167300	1@36	CP_QAM16	20.81	14.33	38.5	PASS
n5	30	15	167300	19@9	CP_QAM64	19.02	12.54	38.5	PASS
n5	30	15	167300	1@1	CP_QAM64	19.73	13.25	38.5	PASS
n5	30	15	167300	1@36	CP_QAM64	19.44	12.96	38.5	PASS
n5	30	15	167300	19@9	CP_QAM256	16.02	9.54	38.5	PASS
n5	30	15	167300	1@1	CP_QAM256	16.65	10.17	38.5	PASS
n5	30	15	167300	1@36	CP_QAM256	16.27	9.79	38.5	PASS
n5	30	15	168300	18@9	DFT_BPSK	22.54	16.06	38.5	PASS
n5	30	15	168300	1@1	DFT_BPSK	22.37	15.89	38.5	PASS
n5	30	15	168300	1@36	DFT_BPSK	22.36	15.88	38.5	PASS
n5	30	15	168300	18@9	DFT_QPSK	22.51	16.03	38.5	PASS
n5	30	15	168300	1@1	DFT_QPSK	22.24	15.76	38.5	PASS
n5	30	15	168300	1@36	DFT_QPSK	22.25	15.77	38.5	PASS
n5	30	15	168300	18@9	DFT_QAM16	21.54	15.06	38.5	PASS
n5	30	15	168300	1@1	DFT_QAM16	21.56	15.08	38.5	PASS
n5	30	15	168300	1@36	DFT_QAM16	21.56	15.08	38.5	PASS
n5	30	15	168300	18@9	DFT_QAM64	20.10	13.62	38.5	PASS
n5	30	15	168300	1@1	DFT_QAM64	20.32	13.84	38.5	PASS
n5	30	15	168300	1@36	DFT_QAM64	20.20	13.72	38.5	PASS
n5	30	15	168300	18@9	DFT_QAM256	18.06	11.58	38.5	PASS
n5	30	15	168300	1@1	DFT_QAM256	17.95	11.47	38.5	PASS
n5	30	15	168300	1@36	DFT_QAM256	17.82	11.34	38.5	PASS
n5	30	15	168300	19@9	CP_QPSK	20.98	14.5	38.5	PASS
n5	30	15	168300	1@1	CP_QPSK	20.82	14.34	38.5	PASS
n5	30	15	168300	1@36	CP_QPSK	20.96	14.48	38.5	PASS
n5	30	15	168300	19@9	CP_QAM16	20.57	14.09	38.5	PASS
n5	30	15	168300	1@1	CP_QAM16	20.89	14.41	38.5	PASS
n5	30	15	168300	1@36	CP_QAM16	20.52	14.04	38.5	PASS
n5	30	15	168300	19@9	CP_QAM64	19.03	12.55	38.5	PASS
n5	30	15	168300	1@1	CP_QAM64	19.55	13.07	38.5	PASS
n5	30	15	168300	1@36	CP_QAM64	18.69	12.21	38.5	PASS
n5	30	15	168300	19@9	CP_QAM256	15.94	9.46	38.5	PASS
n5	30	15	168300	1@1	CP_QAM256	16.37	9.89	38.5	PASS
n5	30	15	168300	1@36	CP_QAM256	16.57	10.09	38.5	PASS
n5	30	20	166800	25@12	DFT_BPSK	22.59	16.11	38.5	PASS
n5	30	20	166800	1@1	DFT_BPSK	22.51	16.03	38.5	PASS
n5	30	20	166800	1@49	DFT_BPSK	22.34	15.86	38.5	PASS
n5	30	20	166800	25@12	DFT_QPSK	22.58	16.1	38.5	PASS
n5	30	20	166800	1@1	DFT_QPSK	22.49	16.01	38.5	PASS
n5	30	20	166800	1@49	DFT_QPSK	22.34	15.86	38.5	PASS
n5	30	20	166800	25@12	DFT_QAM16	21.64	15.16	38.5	PASS
n5	30	20	166800	1@1	DFT_QAM16	21.55	15.07	38.5	PASS
n5	30	20	166800	1@49	DFT_QAM16	21.43	14.95	38.5	PASS

n5	30	20	166800	25@12	DFT_QAM64	20.05	13.57	38.5	PASS
n5	30	20	166800	1@1	DFT_QAM64	20.07	13.59	38.5	PASS
n5	30	20	166800	1@49	DFT_QAM64	20.06	13.58	38.5	PASS
n5	30	20	166800	25@12	DFT_QAM256	18.15	11.67	38.5	PASS
n5	30	20	166800	1@1	DFT_QAM256	18.09	11.61	38.5	PASS
n5	30	20	166800	1@49	DFT_QAM256	17.90	11.42	38.5	PASS
n5	30	20	166800	25@12	CP_QPSK	21.14	14.66	38.5	PASS
n5	30	20	166800	1@1	CP_QPSK	20.82	14.34	38.5	PASS
n5	30	20	166800	1@49	CP_QPSK	20.79	14.31	38.5	PASS
n5	30	20	166800	25@12	CP_QAM16	20.68	14.2	38.5	PASS
n5	30	20	166800	1@1	CP_QAM16	20.62	14.14	38.5	PASS
n5	30	20	166800	1@49	CP_QAM16	20.44	13.96	38.5	PASS
n5	30	20	166800	25@12	CP_QAM64	19.14	12.66	38.5	PASS
n5	30	20	166800	1@1	CP_QAM64	18.82	12.34	38.5	PASS
n5	30	20	166800	1@49	CP_QAM64	18.74	12.26	38.5	PASS
n5	30	20	166800	25@12	CP_QAM256	16.19	9.71	38.5	PASS
n5	30	20	166800	1@1	CP_QAM256	16.60	10.12	38.5	PASS
n5	30	20	166800	1@49	CP_QAM256	16.54	10.06	38.5	PASS
n5	30	20	167300	25@12	DFT_BPSK	22.48	16	38.5	PASS
n5	30	20	167300	1@1	DFT_BPSK	22.48	16	38.5	PASS
n5	30	20	167300	1@49	DFT_BPSK	22.30	15.82	38.5	PASS
n5	30	20	167300	25@12	DFT_QPSK	22.59	16.11	38.5	PASS
n5	30	20	167300	1@1	DFT_QPSK	22.27	15.79	38.5	PASS
n5	30	20	167300	1@49	DFT_QPSK	22.19	15.71	38.5	PASS
n5	30	20	167300	25@12	DFT_QAM16	21.56	15.08	38.5	PASS
n5	30	20	167300	1@1	DFT_QAM16	21.71	15.23	38.5	PASS
n5	30	20	167300	1@49	DFT_QAM16	21.47	14.99	38.5	PASS
n5	30	20	167300	25@12	DFT_QAM64	20.10	13.62	38.5	PASS
n5	30	20	167300	1@1	DFT_QAM64	20.35	13.87	38.5	PASS
n5	30	20	167300	1@49	DFT_QAM64	19.68	13.2	38.5	PASS
n5	30	20	167300	25@12	DFT_QAM256	18.02	11.54	38.5	PASS
n5	30	20	167300	1@1	DFT_QAM256	18.02	11.54	38.5	PASS
n5	30	20	167300	1@49	DFT_QAM256	17.73	11.25	38.5	PASS
n5	30	20	167300	25@12	CP_QPSK	21.20	14.72	38.5	PASS
n5	30	20	167300	1@1	CP_QPSK	20.94	14.46	38.5	PASS
n5	30	20	167300	1@49	CP_QPSK	20.94	14.46	38.5	PASS
n5	30	20	167300	25@12	CP_QAM16	20.60	14.12	38.5	PASS
n5	30	20	167300	1@1	CP_QAM16	21.00	14.52	38.5	PASS
n5	30	20	167300	1@49	CP_QAM16	20.39	13.91	38.5	PASS
n5	30	20	167300	25@12	CP_QAM64	19.07	12.59	38.5	PASS
n5	30	20	167300	1@1	CP_QAM64	18.92	12.44	38.5	PASS
n5	30	20	167300	1@49	CP_QAM64	19.25	12.77	38.5	PASS
n5	30	20	167300	25@12	CP_QAM256	16.16	9.68	38.5	PASS
n5	30	20	167300	1@1	CP_QAM256	16.59	10.11	38.5	PASS

n5	30	20	167300	1@49	CP_QAM256	16.19	9.71	38.5	PASS
n5	30	20	167800	25@12	DFT_BPSK	22.54	16.06	38.5	PASS
n5	30	20	167800	1@1	DFT_BPSK	22.50	16.02	38.5	PASS
n5	30	20	167800	1@49	DFT_BPSK	22.30	15.82	38.5	PASS
n5	30	20	167800	25@12	DFT_QPSK	22.56	16.08	38.5	PASS
n5	30	20	167800	1@1	DFT_QPSK	22.35	15.87	38.5	PASS
n5	30	20	167800	1@49	DFT_QPSK	22.25	15.77	38.5	PASS
n5	30	20	167800	25@12	DFT_QAM16	21.62	15.14	38.5	PASS
n5	30	20	167800	1@1	DFT_QAM16	21.49	15.01	38.5	PASS
n5	30	20	167800	1@49	DFT_QAM16	21.40	14.92	38.5	PASS
n5	30	20	167800	25@12	DFT_QAM64	20.07	13.59	38.5	PASS
n5	30	20	167800	1@1	DFT_QAM64	20.29	13.81	38.5	PASS
n5	30	20	167800	1@49	DFT_QAM64	20.05	13.57	38.5	PASS
n5	30	20	167800	25@12	DFT_QAM256	18.06	11.58	38.5	PASS
n5	30	20	167800	1@1	DFT_QAM256	18.06	11.58	38.5	PASS
n5	30	20	167800	1@49	DFT_QAM256	17.74	11.26	38.5	PASS
n5	30	20	167800	25@12	CP_QPSK	21.11	14.63	38.5	PASS
n5	30	20	167800	1@1	CP_QPSK	21.00	14.52	38.5	PASS
n5	30	20	167800	1@49	CP_QPSK	20.95	14.47	38.5	PASS
n5	30	20	167800	25@12	CP_QAM16	20.64	14.16	38.5	PASS
n5	30	20	167800	1@1	CP_QAM16	20.87	14.39	38.5	PASS
n5	30	20	167800	1@49	CP_QAM16	20.39	13.91	38.5	PASS
n5	30	20	167800	25@12	CP_QAM64	19.03	12.55	38.5	PASS
n5	30	20	167800	1@1	CP_QAM64	19.38	12.9	38.5	PASS
n5	30	20	167800	1@49	CP_QAM64	19.22	12.74	38.5	PASS
n5	30	20	167800	25@12	CP_QAM256	16.12	9.64	38.5	PASS
n5	30	20	167800	1@1	CP_QAM256	16.44	9.96	38.5	PASS
n5	30	20	167800	1@49	CP_QAM256	16.42	9.94	38.5	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	3.87	-5.14	-0.01	Within authorized band for 5G NR n5	PASS
n5	30	20	167300	25@12	DFT_BPSK	3.45	-3.47	0.00		PASS
n5	30	20	167300	25@12	DFT_BPSK	4.45	-6.18	-0.01		PASS
n5	30	20	167300	25@12	DFT_QPSK	3.87	-5.54	-0.01		PASS
n5	30	20	167300	25@12	DFT_QPSK	3.45	-6.19	-0.01		PASS
n5	30	20	167300	25@12	DFT_QPSK	4.45	-5.35	-0.01		PASS

Note: Only the worst case shown in the report.

NV:

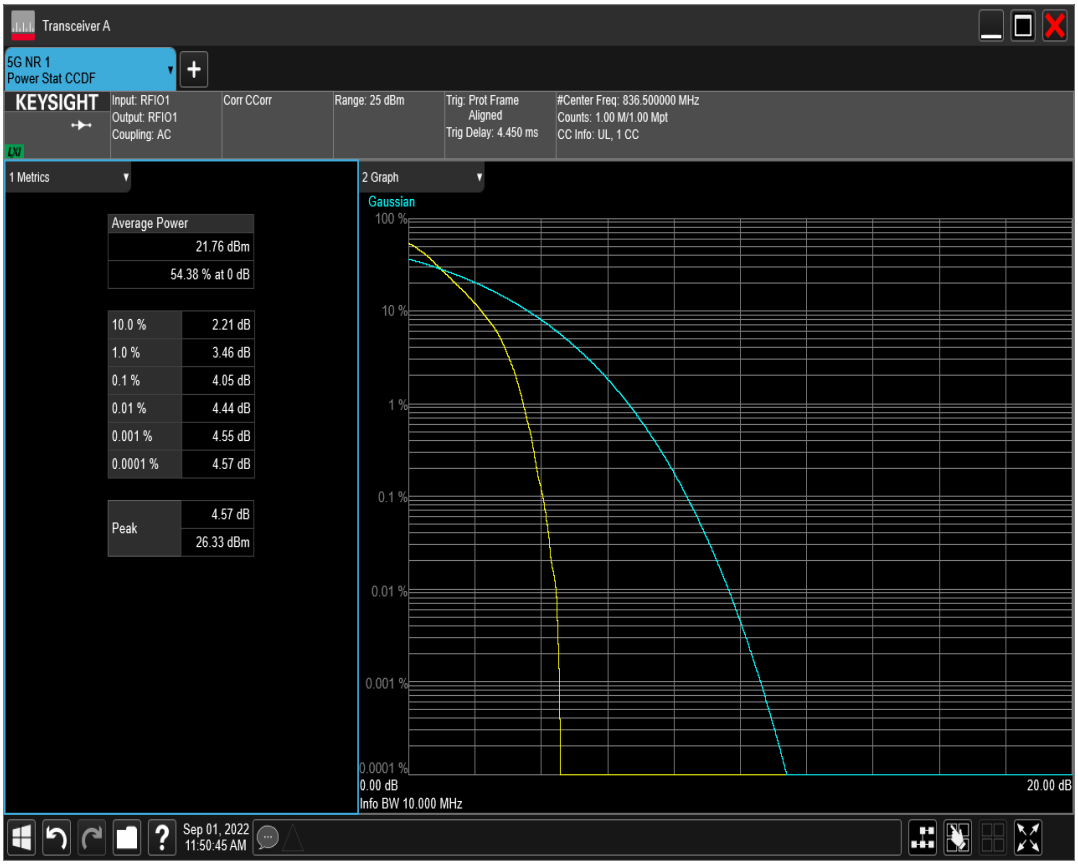
Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Temperature(℃)	Result(Hz)	Result (ppm)	Limit (ppm)	Verdict
n5	30	20	167300	25@12	DFT_BPSK	-30	-2.64	0.00	Within authorized band for 5G NR n5	PASS
n5	30	20	167300	25@12	DFT_BPSK	-20	-1.68	0.00		PASS
n5	30	20	167300	25@12	DFT_BPSK	-10	-5.31	-0.01		PASS
n5	30	20	167300	25@12	DFT_BPSK	0	-4.42	-0.01		PASS
n5	30	20	167300	25@12	DFT_BPSK	10	-4.27	-0.01		PASS
n5	30	20	167300	25@12	DFT_BPSK	20	-3.65	0.00		PASS
n5	30	20	167300	25@12	DFT_BPSK	30	-4.12	-0.01		PASS
n5	30	20	167300	25@12	DFT_BPSK	40	-4.29	-0.01		PASS
n5	30	20	167300	25@12	DFT_BPSK	50	-4.38	-0.01		PASS
n5	30	20	167300	25@12	DFT_QPSK	-30	-3.56	0.00		PASS
n5	30	20	167300	25@12	DFT_QPSK	-20	-3.86	0.00		PASS
n5	30	20	167300	25@12	DFT_QPSK	-10	-3.69	0.00		PASS
n5	30	20	167300	25@12	DFT_QPSK	0	-3.29	0.00		PASS
n5	30	20	167300	25@12	DFT_QPSK	10	-2.37	0.00		PASS
n5	30	20	167300	25@12	DFT_QPSK	20	-2.68	0.00		PASS
n5	30	20	167300	25@12	DFT_QPSK	30	-1.97	0.00		PASS
n5	30	20	167300	25@12	DFT_QPSK	40	-5.52	-0.01		PASS
n5	30	20	167300	25@12	DFT_QPSK	50	-4.18	-0.01		PASS

Note: Only the worst case shown in the report.

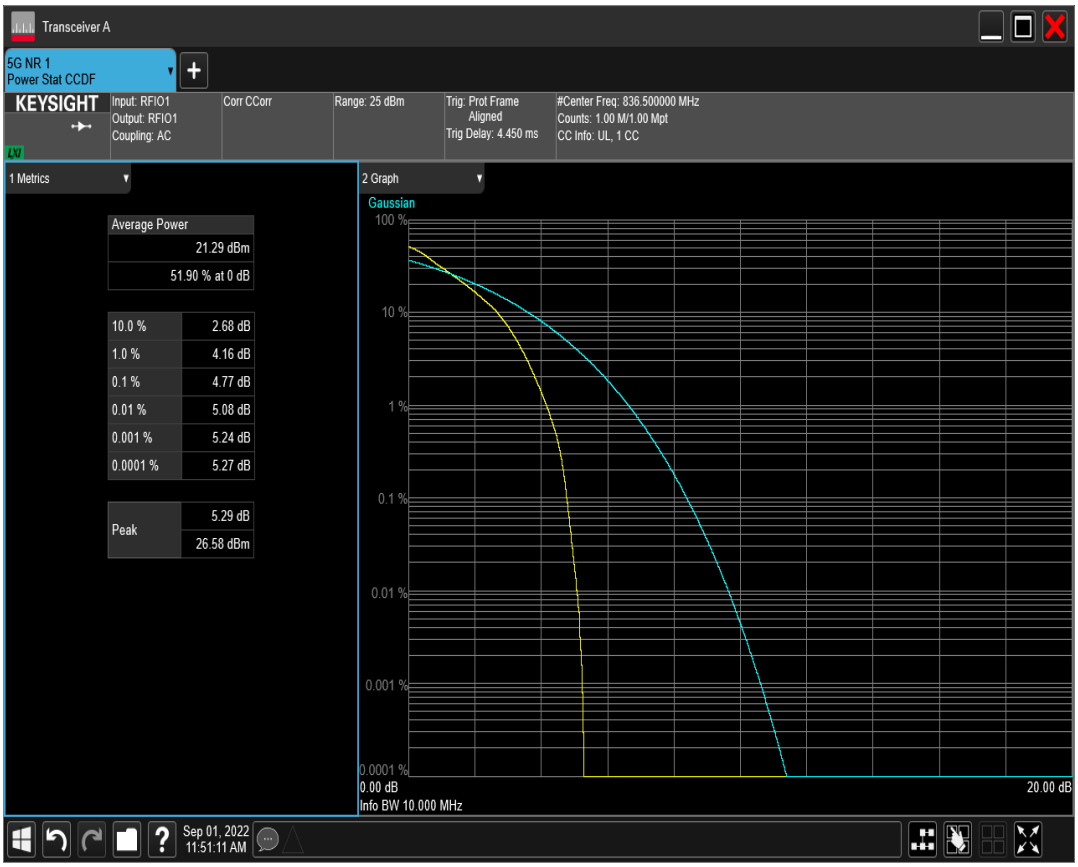
3 Peak-to-Average Ratio for NR FR1

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Result (dB)	high Limit (dB)	Verdict
n5	30	10	167300	24@0	DFT_BPSK	4.05	13	PASS
n5	30	10	167300	24@0	DFT_QPSK	4.77	13	PASS
n5	30	10	167300	24@0	DFT_QAM16	5.70	13	PASS
n5	30	10	167300	24@0	DFT_QAM64	6.08	13	PASS
n5	30	10	167300	24@0	DFT_QAM256	6.59	13	PASS
n5	30	15	167300	36@0	DFT_BPSK	4.33	13	PASS
n5	30	15	167300	36@0	DFT_QPSK	5.16	13	PASS
n5	30	15	167300	36@0	DFT_QAM16	5.86	13	PASS
n5	30	15	167300	36@0	DFT_QAM64	6.28	13	PASS
n5	30	15	167300	36@0	DFT_QAM256	6.73	13	PASS
n5	30	20	167300	50@0	DFT_BPSK	4.35	13	PASS
n5	30	20	167300	50@0	DFT_QPSK	5.29	13	PASS
n5	30	20	167300	50@0	DFT_QAM16	6.11	13	PASS
n5	30	20	167300	50@0	DFT_QAM64	6.46	13	PASS
n5	30	20	167300	50@0	DFT_QAM256	6.80	13	PASS

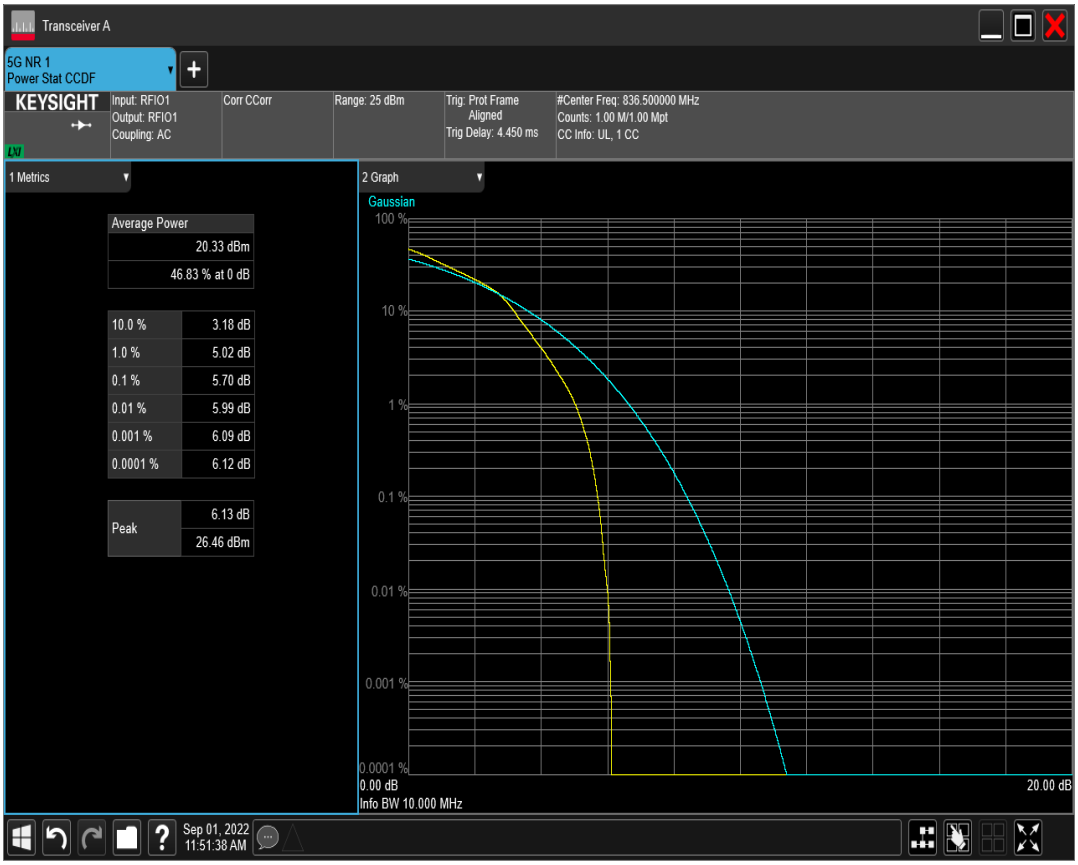
n5 SCS=30kHz DFT_BPSK BW=10MHz Channel=167300 RB=24@0



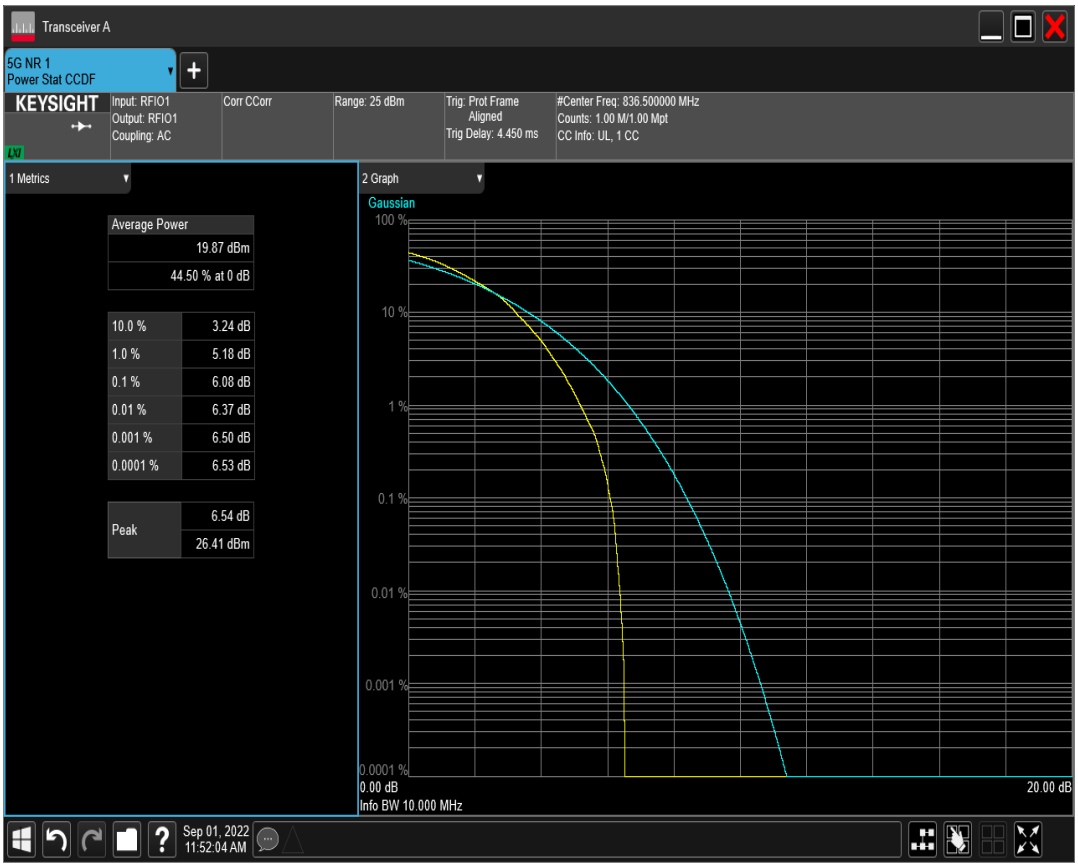
n5 SCS=30kHz DFT_QPSK BW=10MHz Channel=167300 RB=24@0



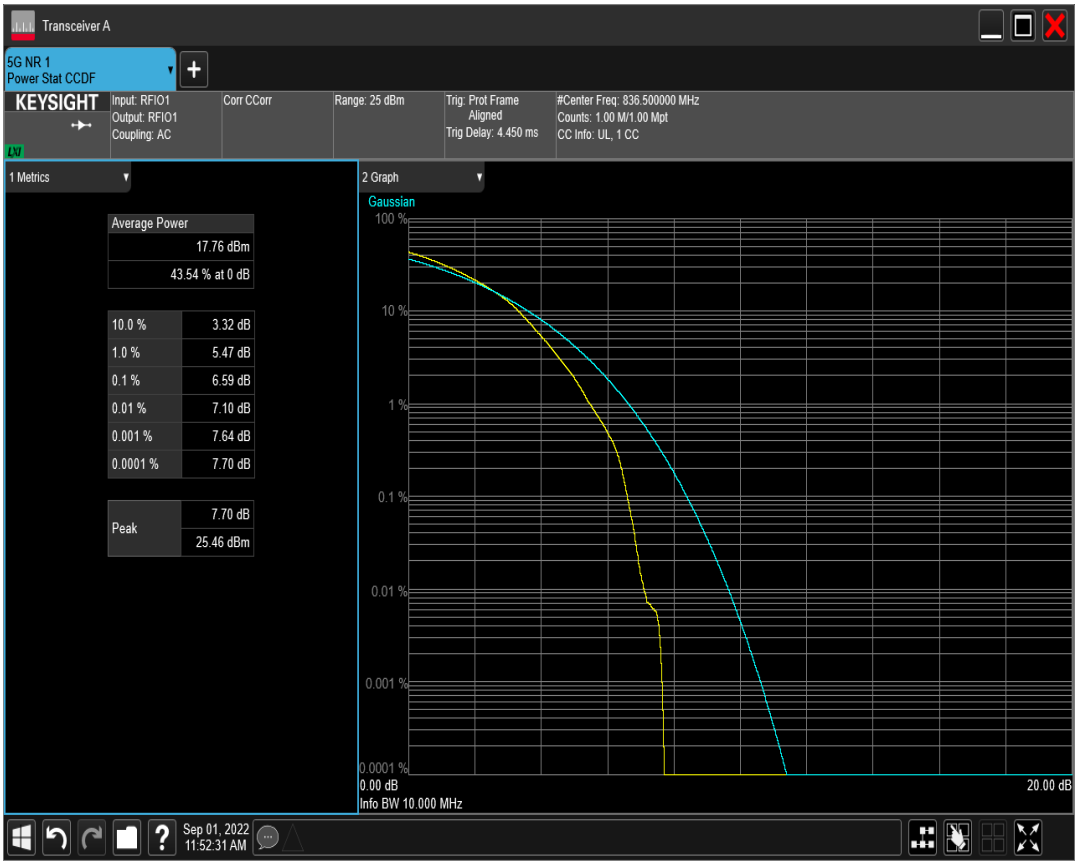
n5 SCS=30kHz DFT_QAM16 BW=10MHz Channel=167300 RB=24@0



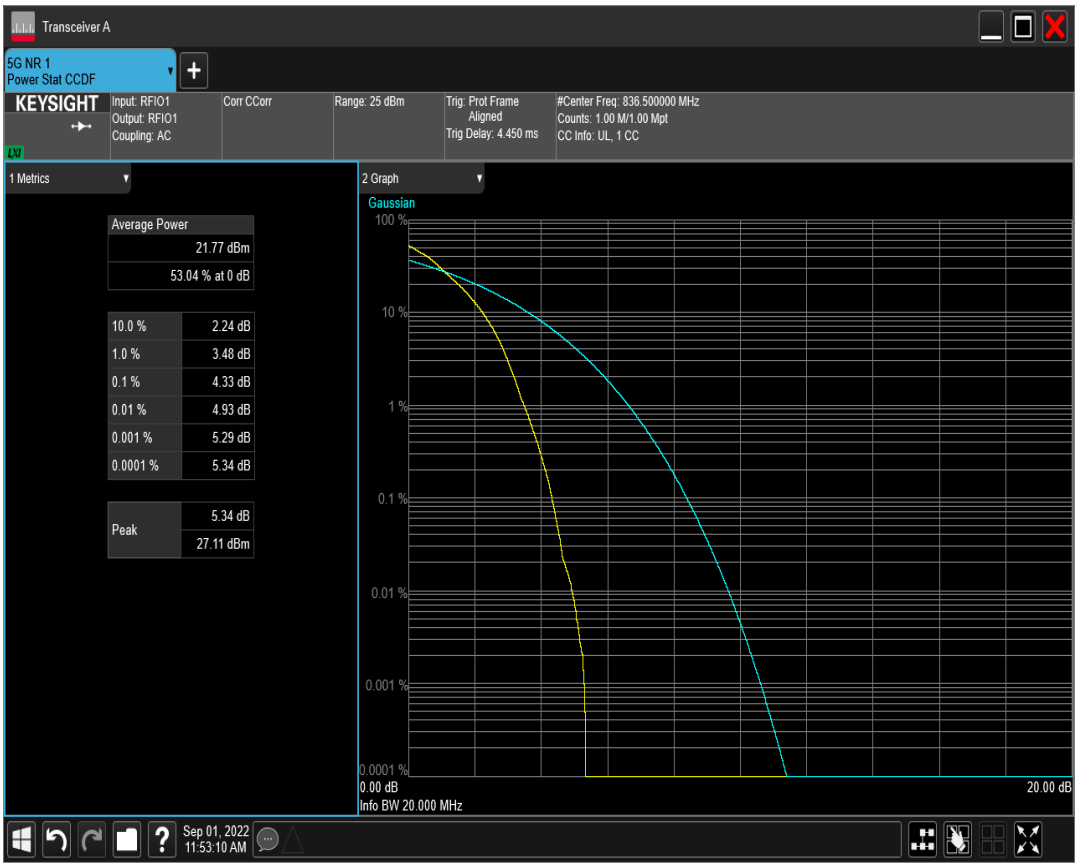
n5 SCS=30kHz DFT_QAM64 BW=10MHz Channel=167300 RB=24@0



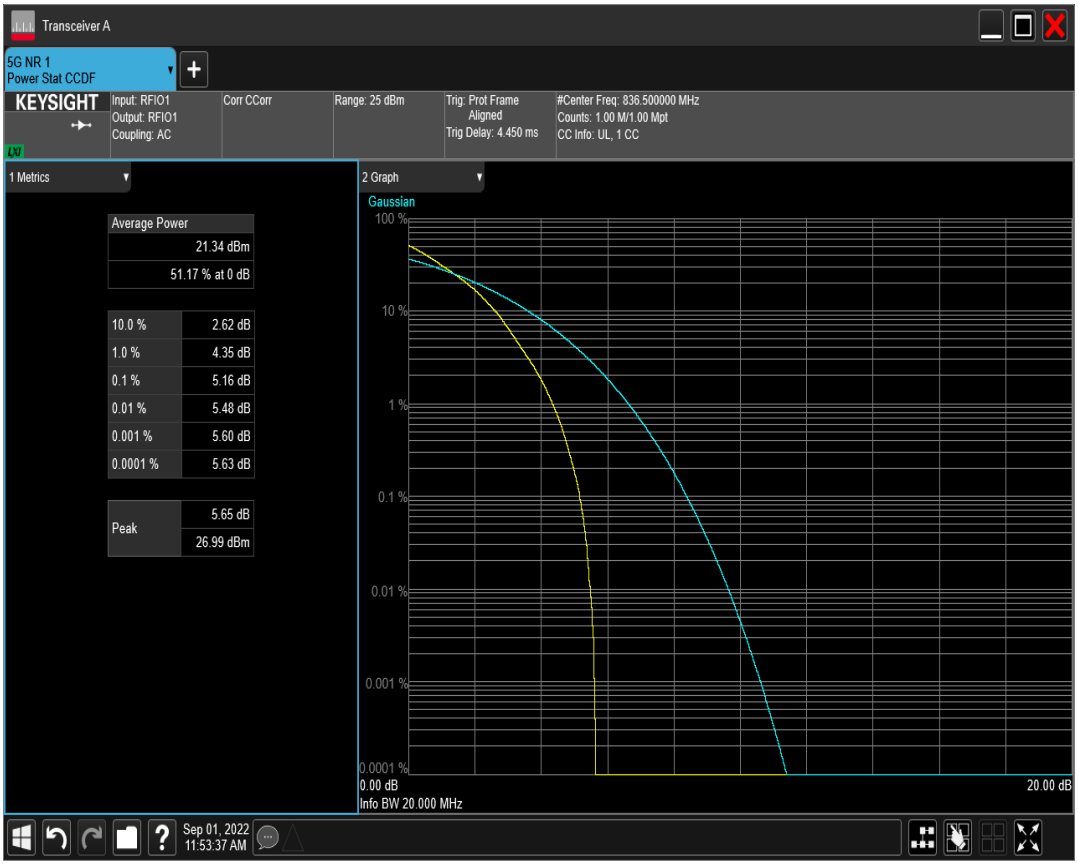
n5 SCS=30kHz DFT_QAM256 BW=10MHz Channel=167300 RB=24@0



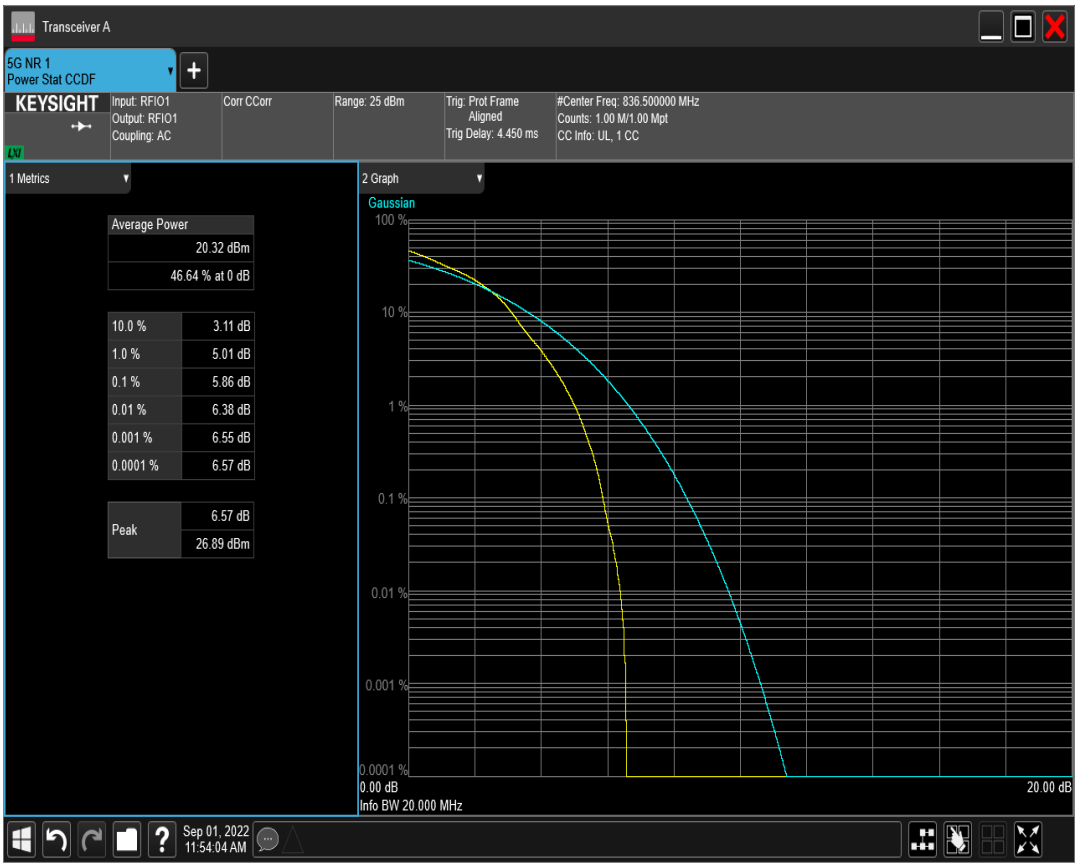
n5 SCS=30kHz DFT_BPSK BW=15MHz Channel=167300 RB=36@0



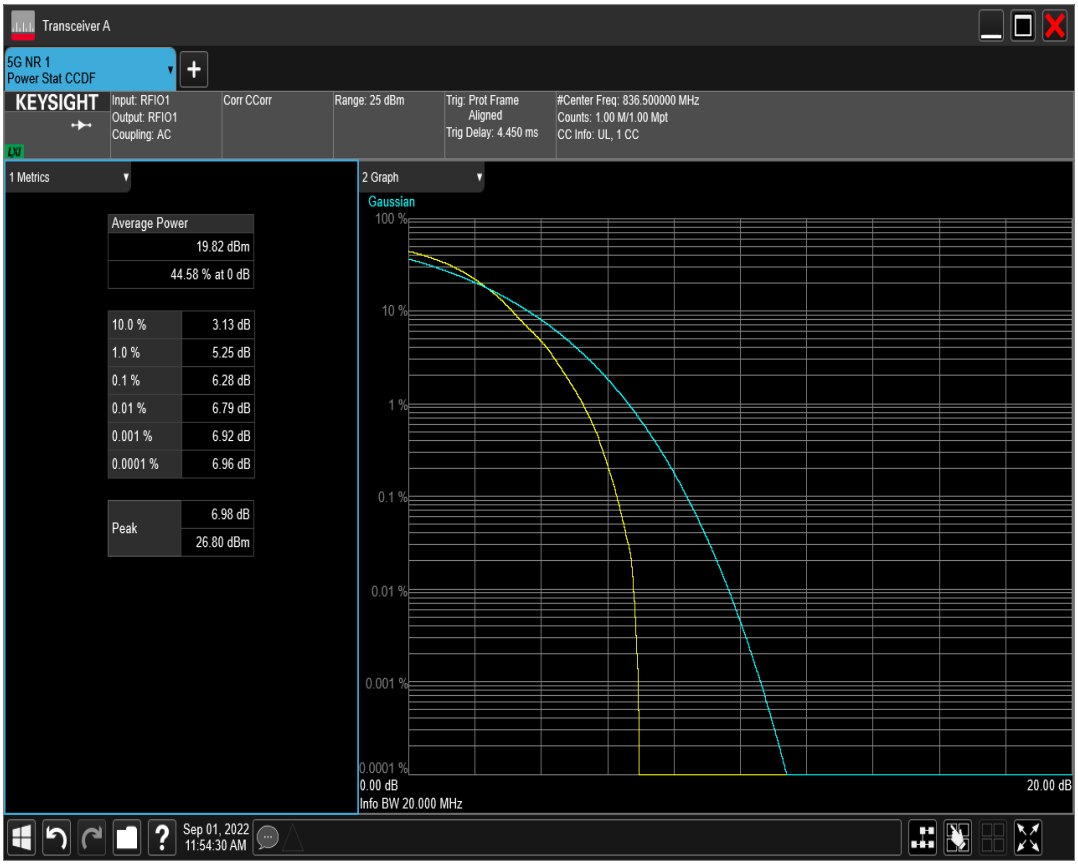
n5 SCS=30kHz DFT_QPSK BW=15MHz Channel=167300 RB=36@0



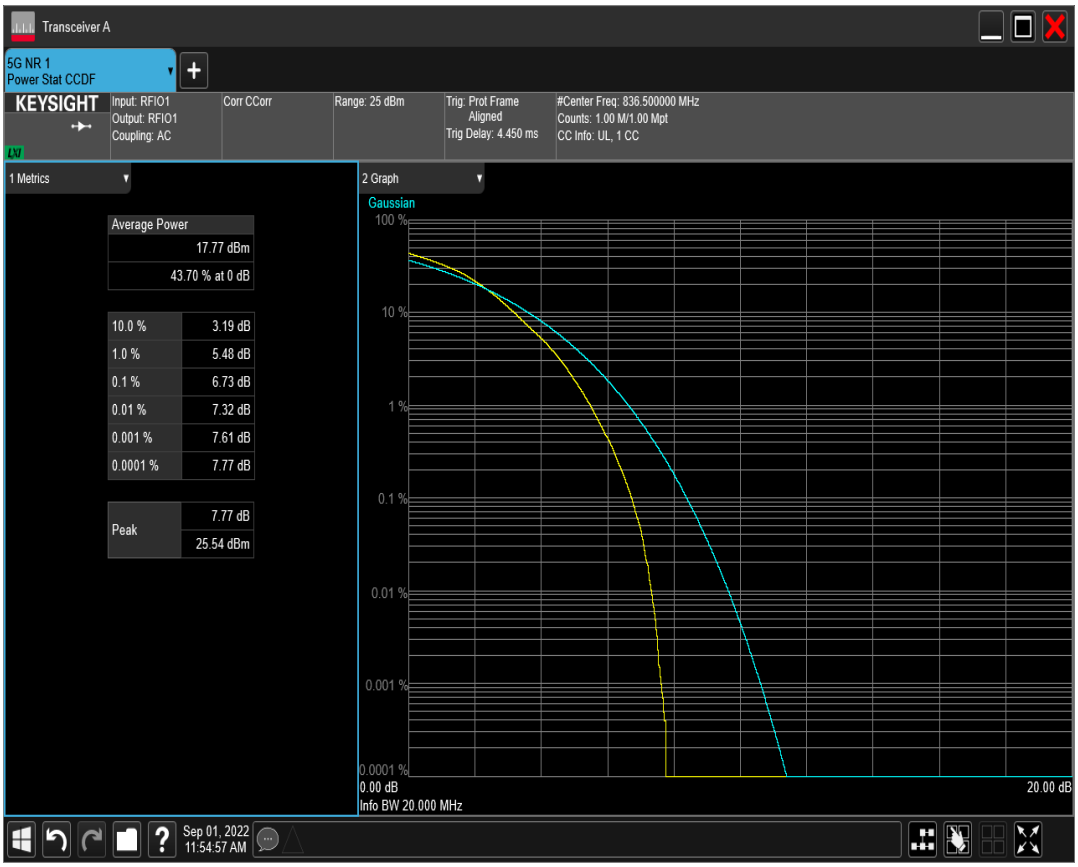
n5 SCS=30kHz DFT_QAM16 BW=15MHz Channel=167300 RB=36@0



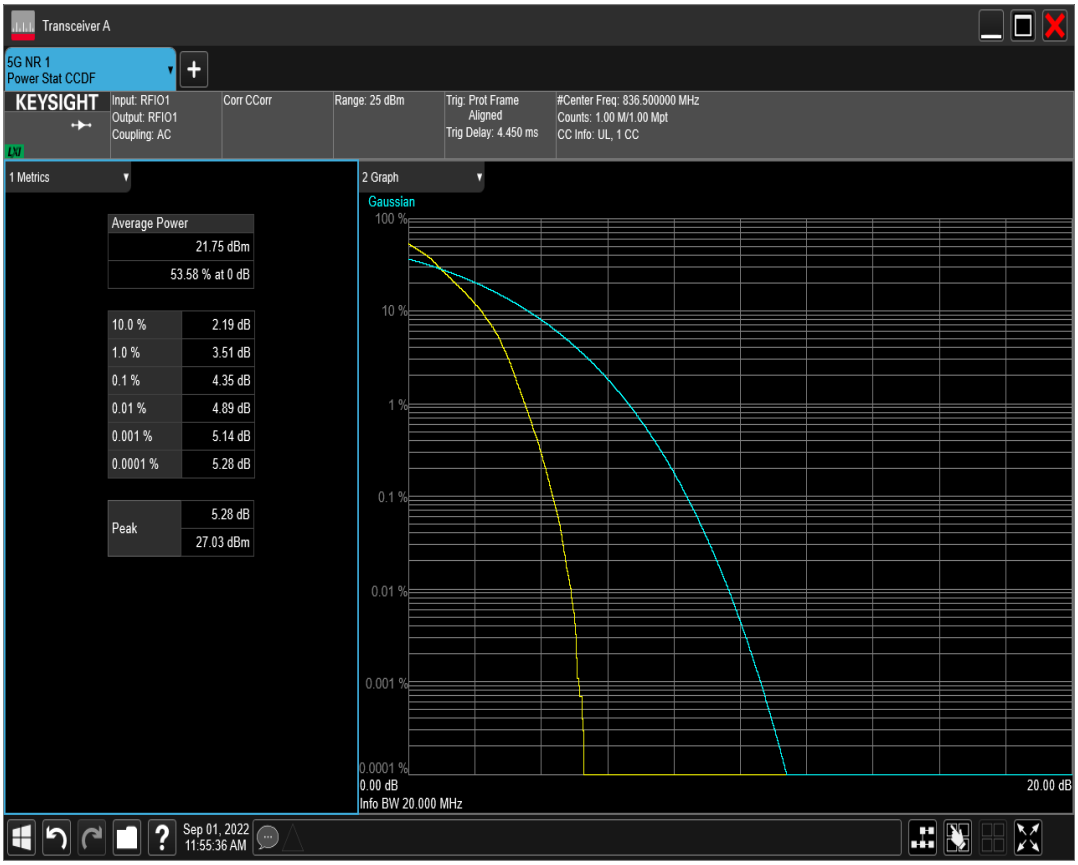
n5 SCS=30kHz DFT_QAM64 BW=15MHz Channel=167300 RB=36@0



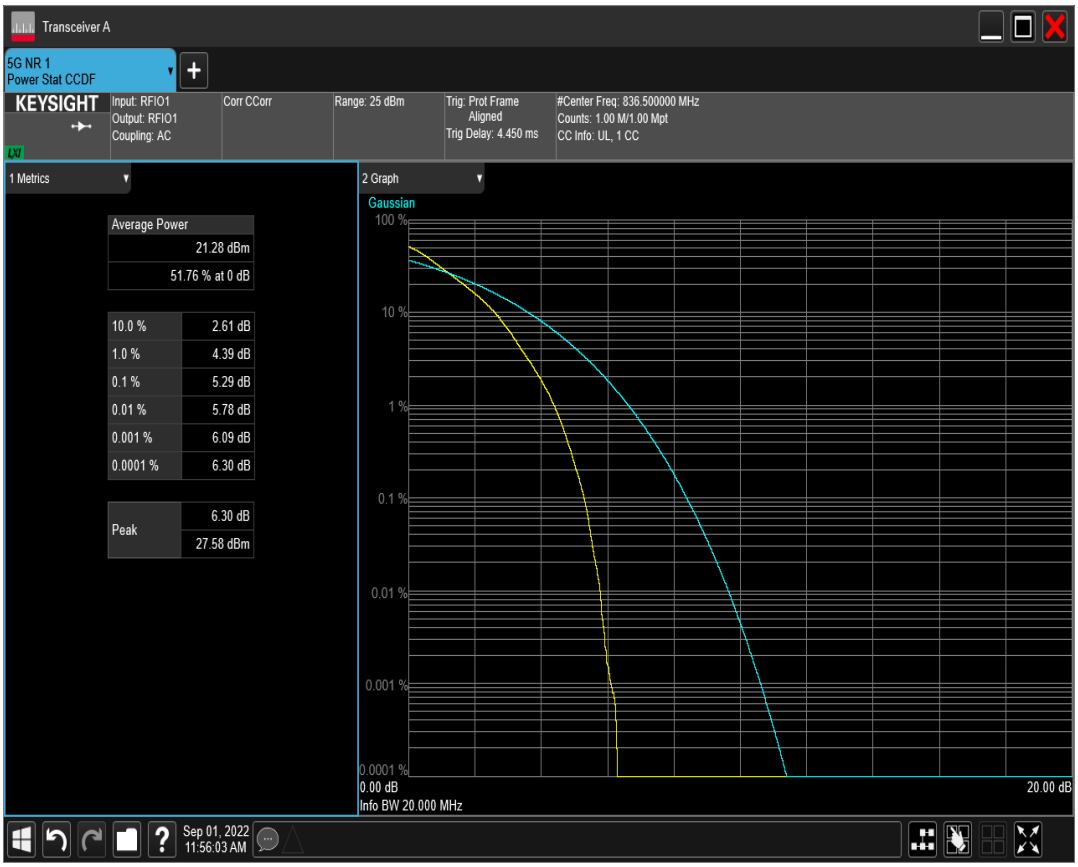
n5 SCS=30kHz DFT_QAM256 BW=15MHz Channel=167300 RB=36@0



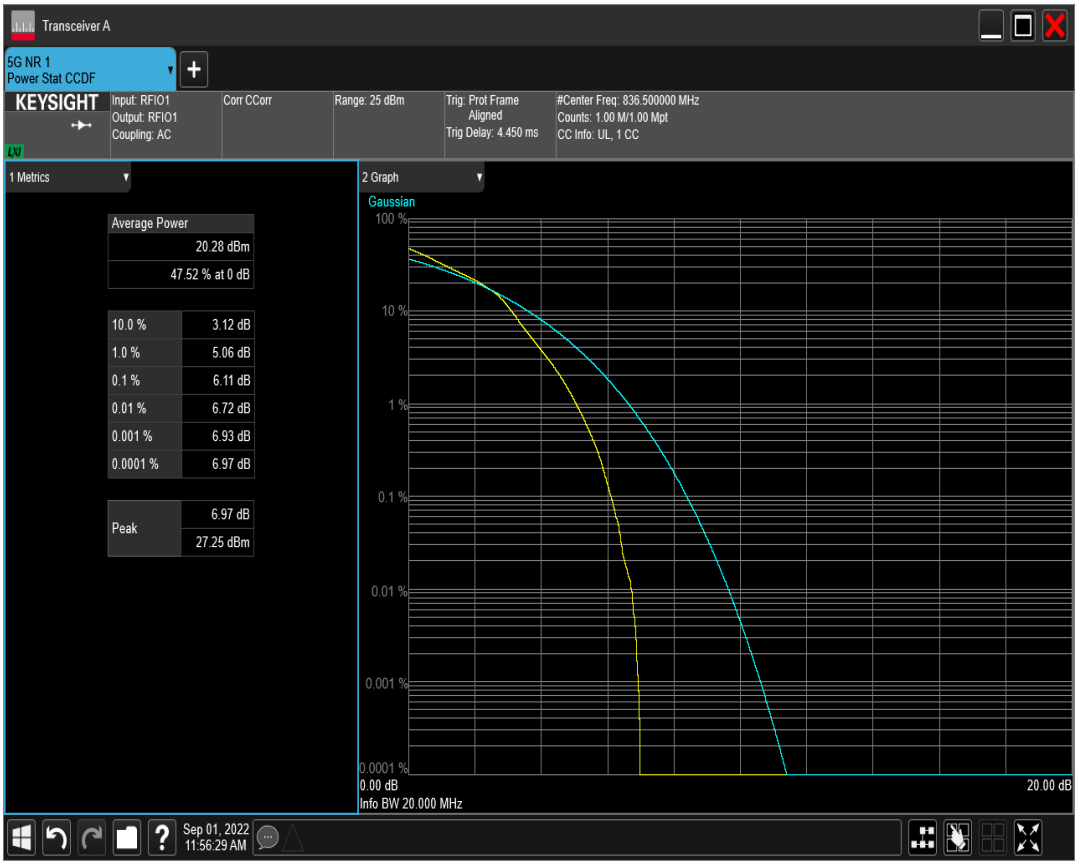
n5 SCS=30kHz DFT_BPSK BW=20MHz Channel=167300 RB=50@0



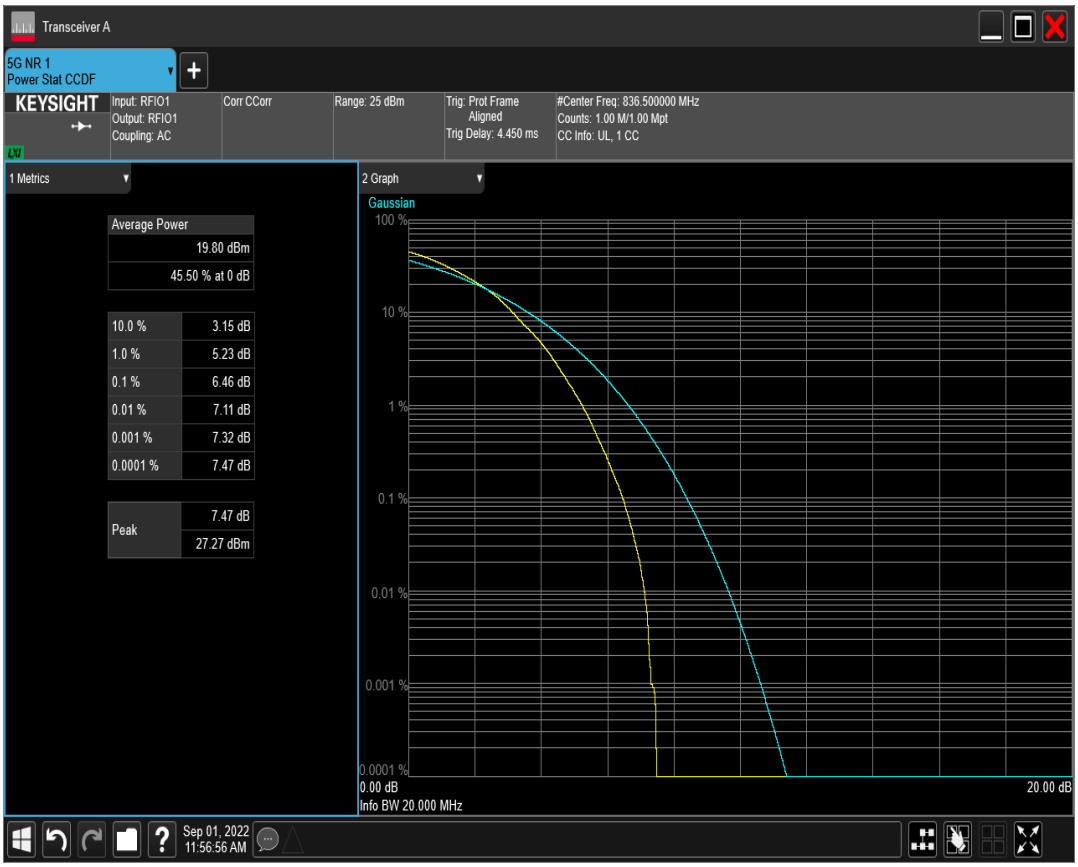
n5 SCS=30kHz DFT_QPSK BW=20MHz Channel=167300 RB=50@0



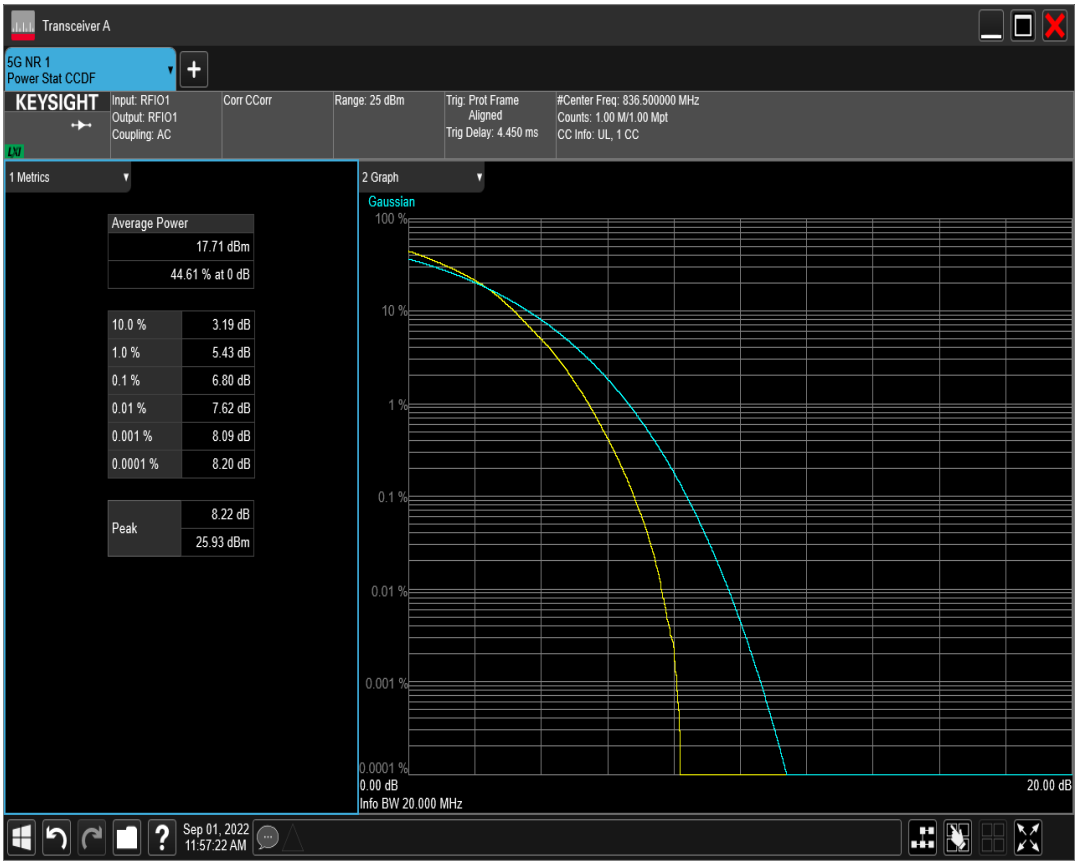
n5 SCS=30kHz DFT_QAM16 BW=20MHz Channel=167300 RB=50@0



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



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

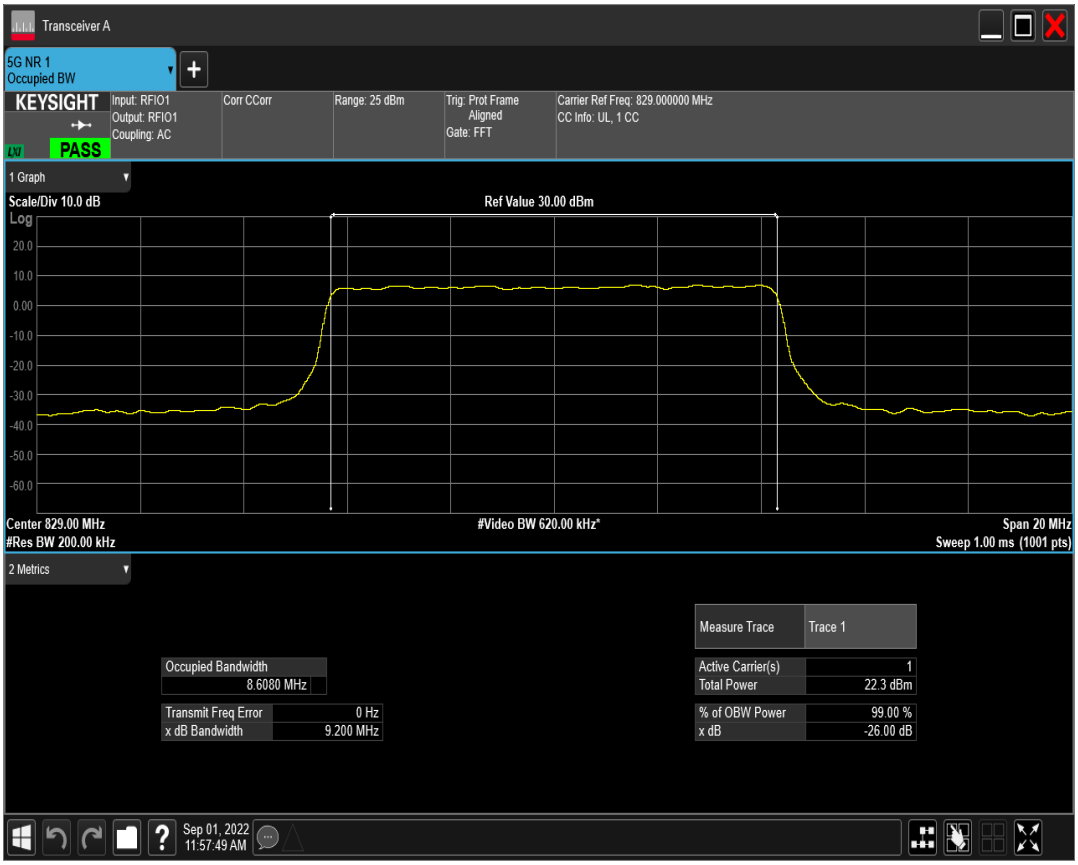


4 Occupied bandwidth for NR FR1

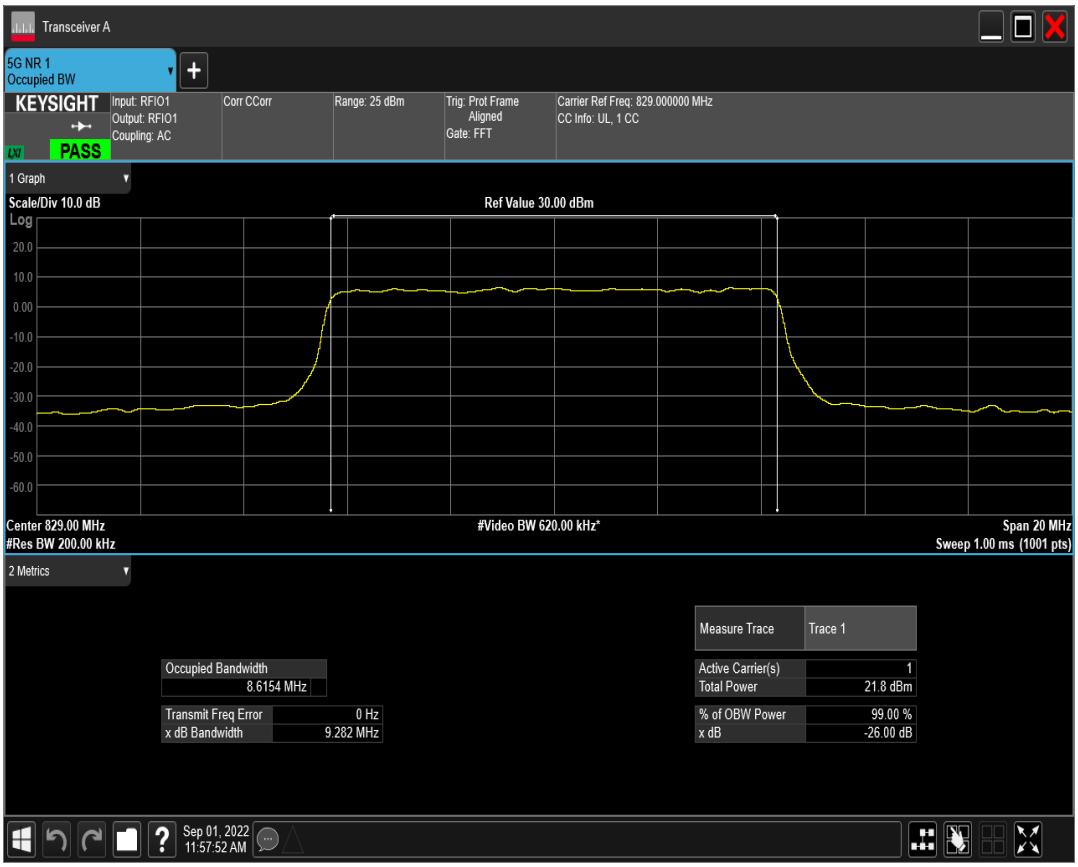
Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
n5	30	10	165800	24@0	DFT_BPSK	8.610	9.200	PASS
n5	30	10	165800	24@0	DFT_QPSK	8.620	9.280	PASS
n5	30	10	165800	24@0	DFT_QAM16	8.610	9.230	PASS
n5	30	10	165800	24@0	DFT_QAM64	8.620	9.210	PASS
n5	30	10	165800	24@0	DFT_QAM256	8.640	9.180	PASS
n5	30	10	165800	24@0	CP_QPSK	8.640	9.250	PASS
n5	30	10	167300	24@0	DFT_BPSK	8.610	9.180	PASS
n5	30	10	167300	24@0	DFT_QPSK	8.620	9.160	PASS
n5	30	10	167300	24@0	DFT_QAM16	8.610	9.170	PASS
n5	30	10	167300	24@0	DFT_QAM64	8.640	9.230	PASS
n5	30	10	167300	24@0	DFT_QAM256	8.640	9.280	PASS
n5	30	10	167300	24@0	CP_QPSK	8.620	9.250	PASS
n5	30	10	168800	24@0	DFT_BPSK	8.610	9.190	PASS
n5	30	10	168800	24@0	DFT_QPSK	8.620	9.220	PASS
n5	30	10	168800	24@0	DFT_QAM16	8.620	9.240	PASS
n5	30	10	168800	24@0	DFT_QAM64	8.640	9.230	PASS
n5	30	10	168800	24@0	DFT_QAM256	8.620	9.220	PASS
n5	30	10	168800	24@0	CP_QPSK	8.620	9.190	PASS
n5	30	15	166300	36@0	DFT_BPSK	13.470	13.770	PASS
n5	30	15	166300	36@0	DFT_QPSK	13.460	13.710	PASS
n5	30	15	166300	36@0	DFT_QAM16	13.510	13.770	PASS
n5	30	15	166300	36@0	DFT_QAM64	13.520	13.750	PASS
n5	30	15	166300	36@0	DFT_QAM256	13.500	13.740	PASS
n5	30	15	166300	38@0	CP_QPSK	13.630	14.440	PASS
n5	30	15	167300	36@0	DFT_BPSK	13.560	13.710	PASS
n5	30	15	167300	36@0	DFT_QPSK	13.510	13.720	PASS
n5	30	15	167300	36@0	DFT_QAM16	13.460	13.690	PASS
n5	30	15	167300	36@0	DFT_QAM64	13.460	13.720	PASS
n5	30	15	167300	36@0	DFT_QAM256	13.510	13.700	PASS
n5	30	15	167300	38@0	CP_QPSK	13.640	14.440	PASS
n5	30	15	168300	36@0	DFT_BPSK	13.520	13.770	PASS
n5	30	15	168300	36@0	DFT_QPSK	13.520	13.800	PASS
n5	30	15	168300	36@0	DFT_QAM16	13.530	13.750	PASS
n5	30	15	168300	36@0	DFT_QAM64	13.510	13.700	PASS
n5	30	15	168300	36@0	DFT_QAM256	13.530	13.760	PASS
n5	30	15	168300	38@0	CP_QPSK	13.650	14.460	PASS
n5	30	20	166800	50@0	DFT_BPSK	18.110	18.930	PASS
n5	30	20	166800	50@0	DFT_QPSK	18.080	18.910	PASS
n5	30	20	166800	50@0	DFT_QAM16	18.100	18.920	PASS

n5	30	20	166800	50@0	DFT_QAM64	18.030	18.920	PASS
n5	30	20	166800	50@0	DFT_QAM256	18.100	18.910	PASS
n5	30	20	166800	51@0	CP_QPSK	18.270	19.330	PASS
n5	30	20	167300	50@0	DFT_BPSK	18.110	18.940	PASS
n5	30	20	167300	50@0	DFT_QPSK	18.090	18.940	PASS
n5	30	20	167300	50@0	DFT_QAM16	18.160	18.930	PASS
n5	30	20	167300	50@0	DFT_QAM64	18.110	18.930	PASS
n5	30	20	167300	50@0	DFT_QAM256	18.110	18.950	PASS
n5	30	20	167300	51@0	CP_QPSK	18.270	19.310	PASS
n5	30	20	167800	50@0	DFT_BPSK	18.100	18.920	PASS
n5	30	20	167800	50@0	DFT_QPSK	18.090	18.920	PASS
n5	30	20	167800	50@0	DFT_QAM16	18.110	18.920	PASS
n5	30	20	167800	50@0	DFT_QAM64	18.110	18.930	PASS
n5	30	20	167800	50@0	DFT_QAM256	18.120	18.980	PASS
n5	30	20	167800	51@0	CP_QPSK	18.280	19.310	PASS

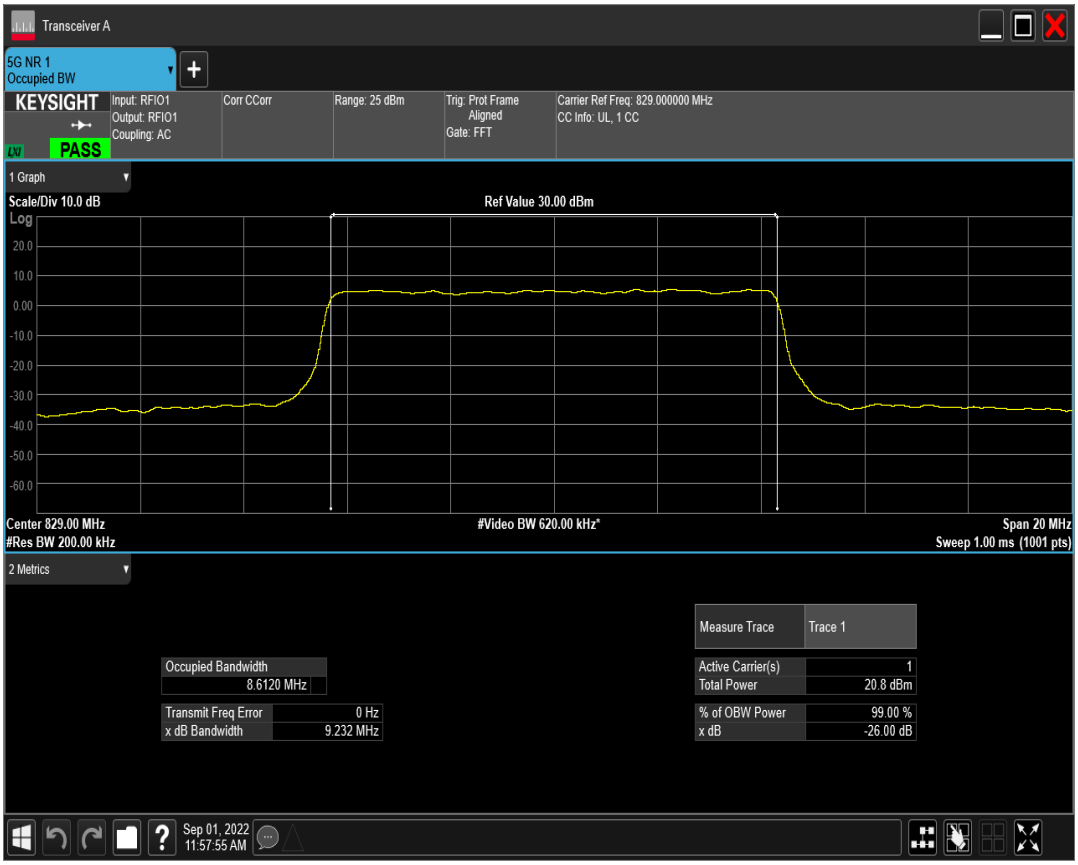
n5 SCS=30kHz DFT_BPSK BW=10MHz Channel=165800 RB=24@0



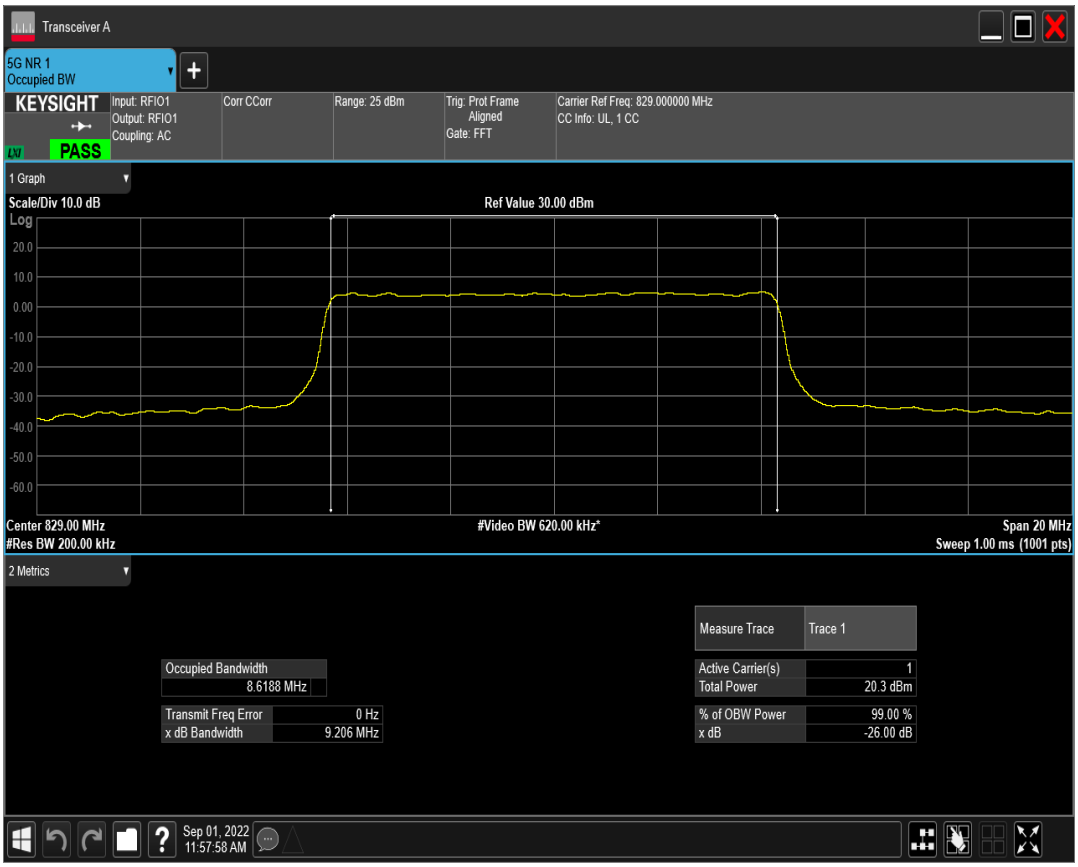
n5 SCS=30kHz DFT_QPSK BW=10MHz Channel=165800 RB=24@0



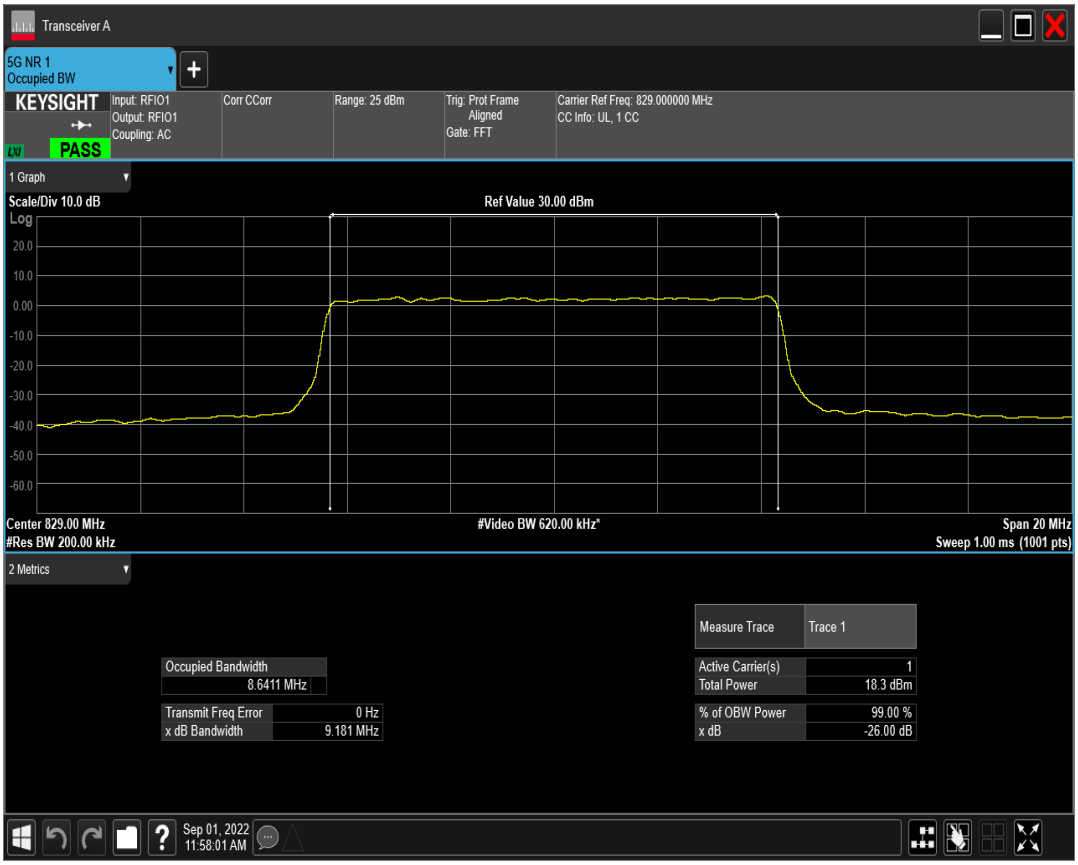
n5 SCS=30kHz DFT_QAM16 BW=10MHz Channel=165800 RB=24@0



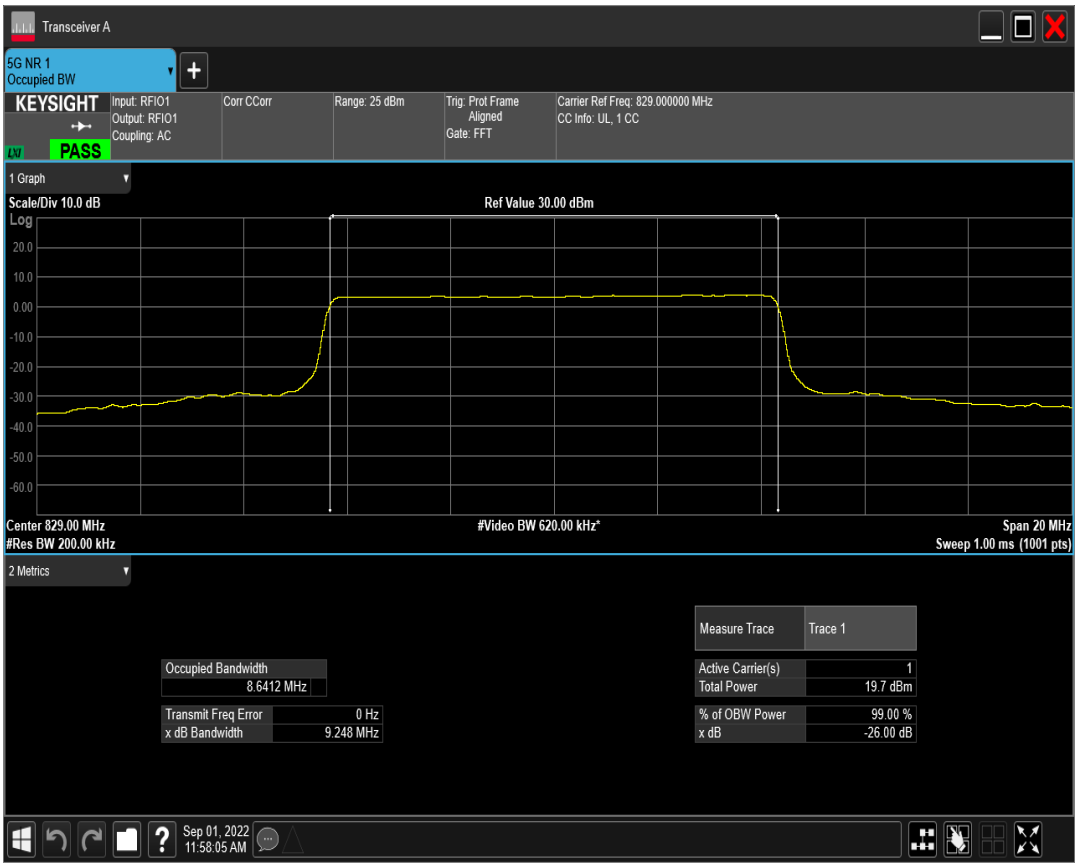
n5 SCS=30kHz DFT_QAM64 BW=10MHz Channel=165800 RB=24@0



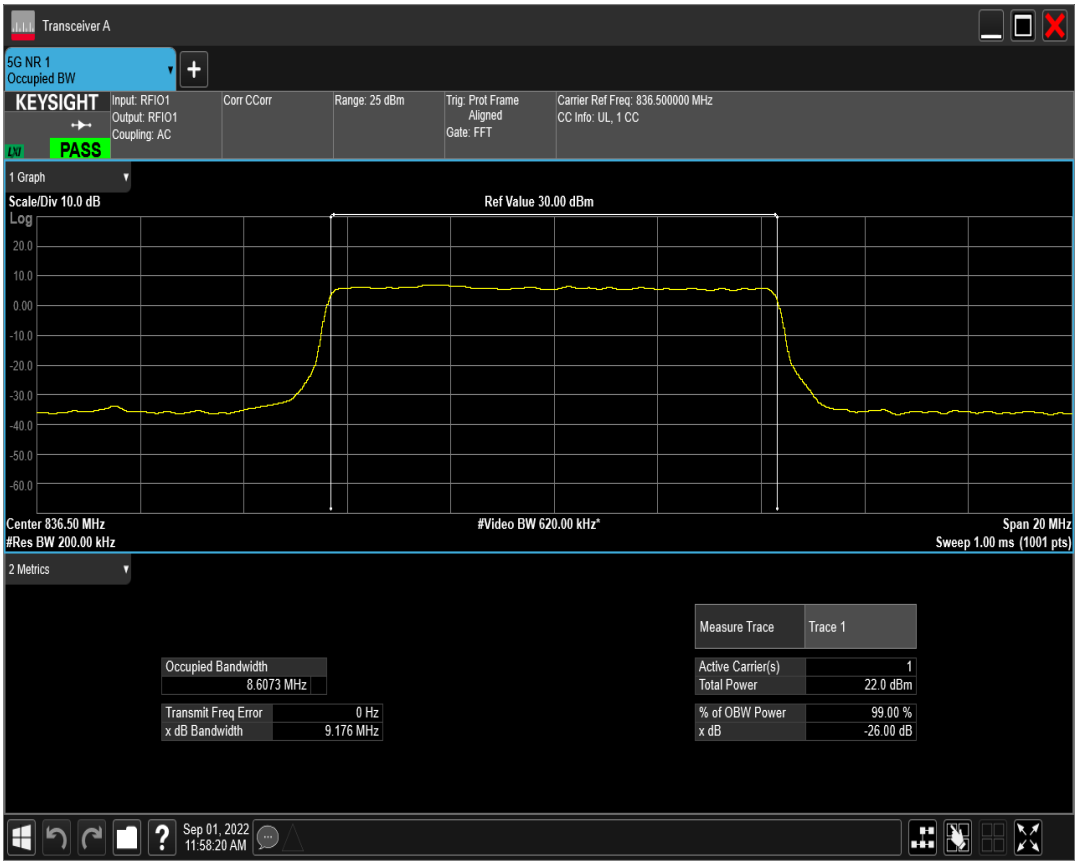
n5 SCS=30kHz DFT_QAM256 BW=10MHz Channel=165800 RB=24@0



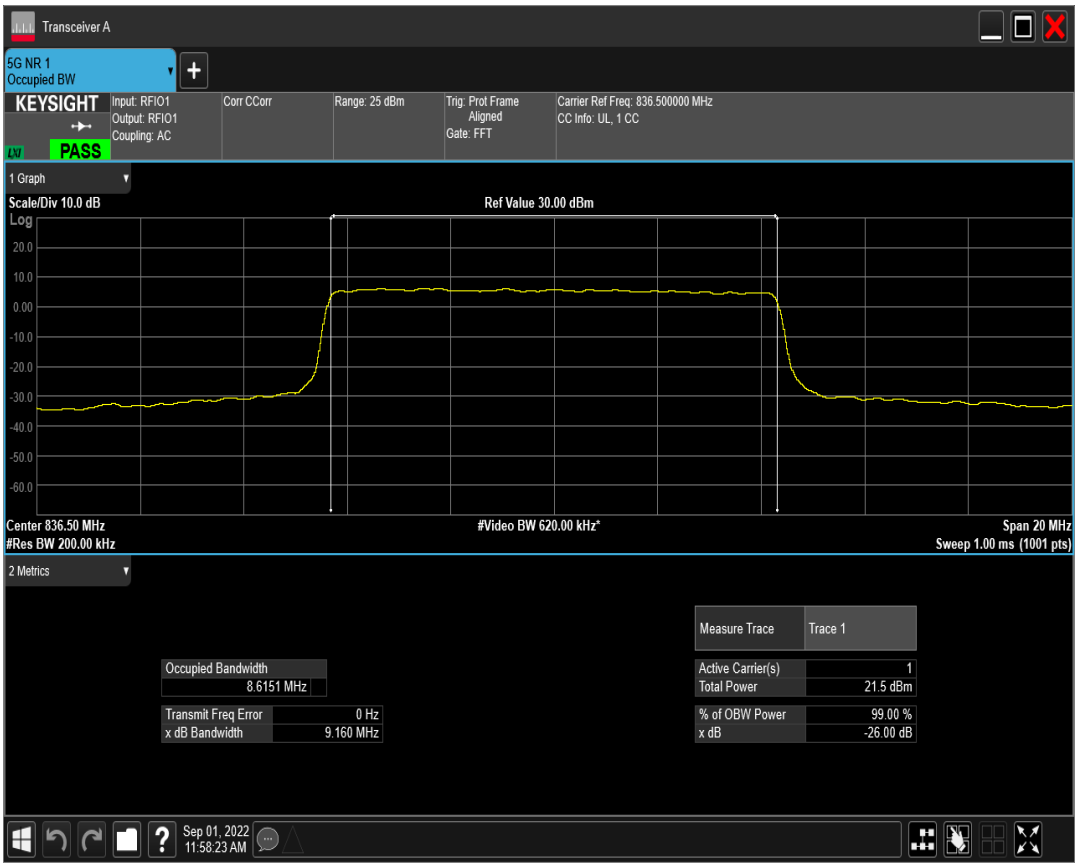
n5 SCS=30kHz CP_QPSK BW=10MHz Channel=165800 RB=24@0



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



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



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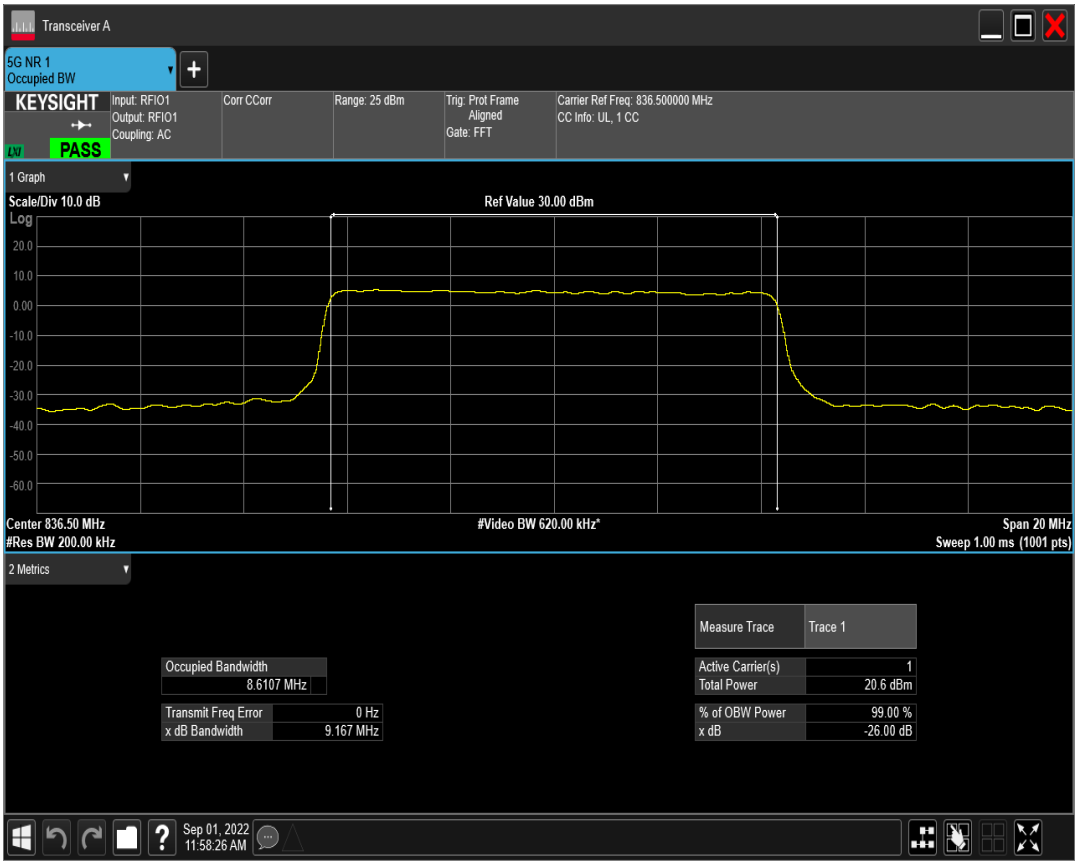

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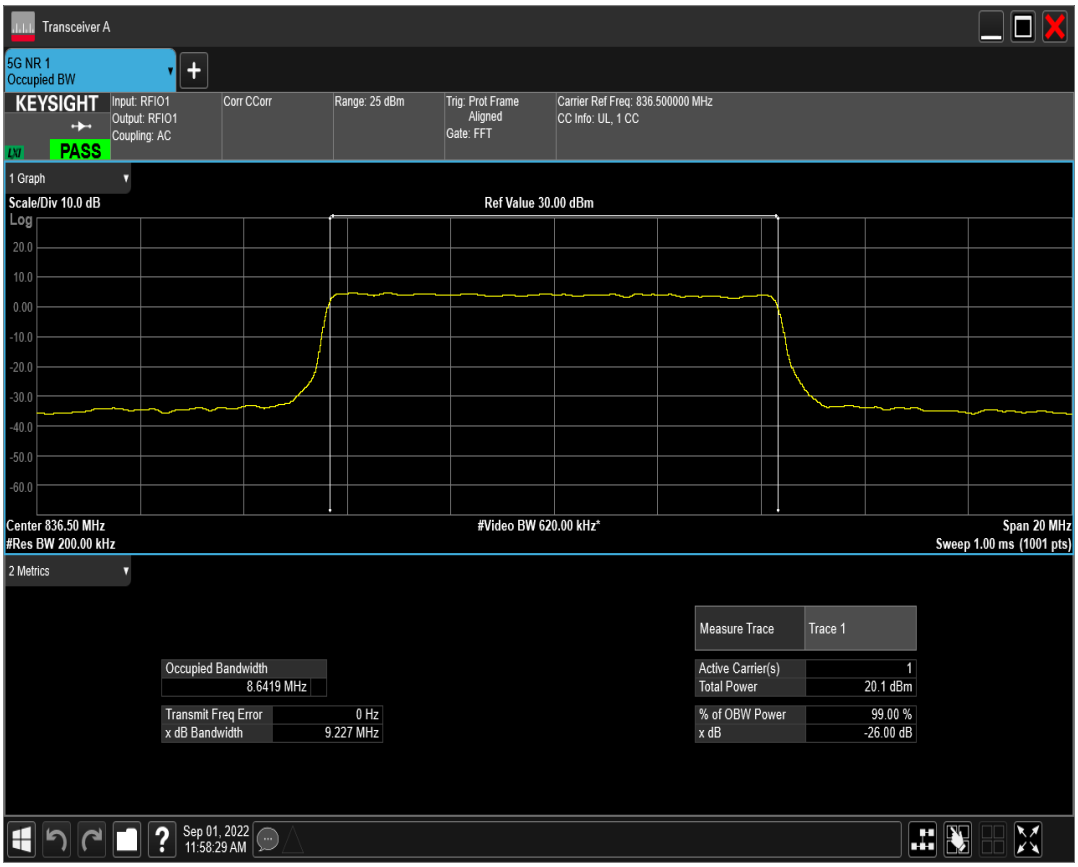

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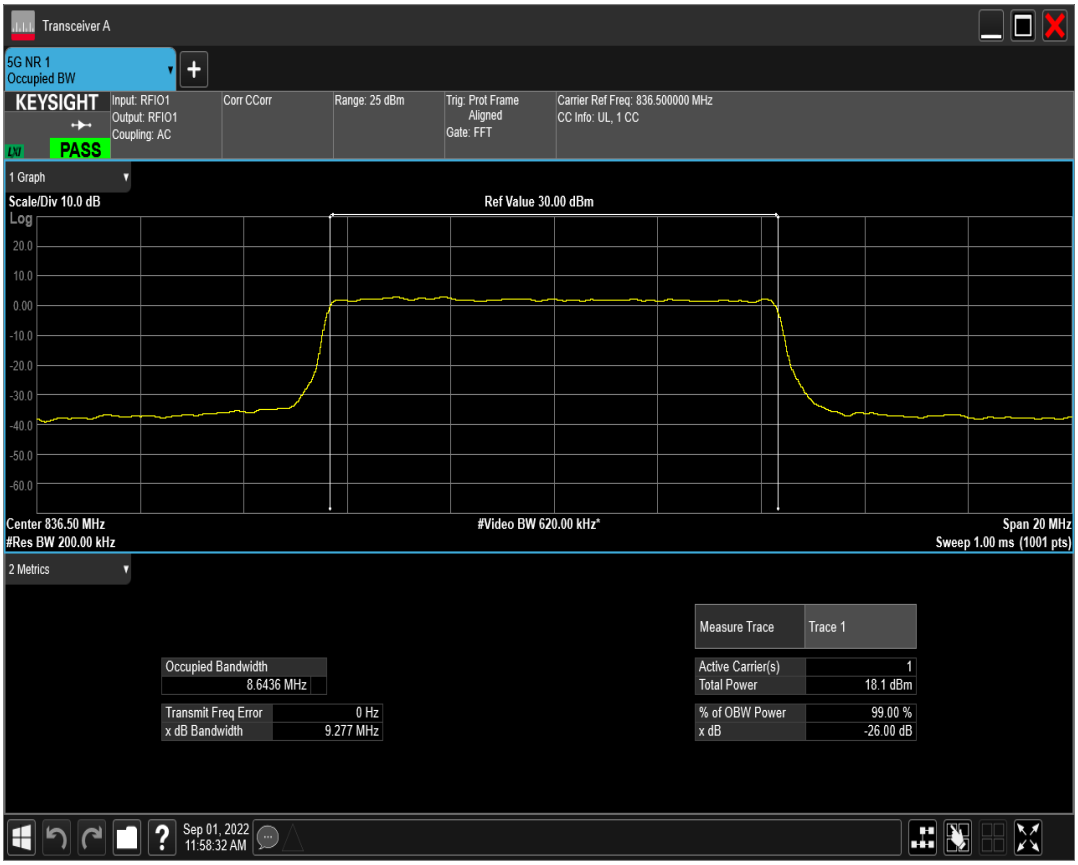

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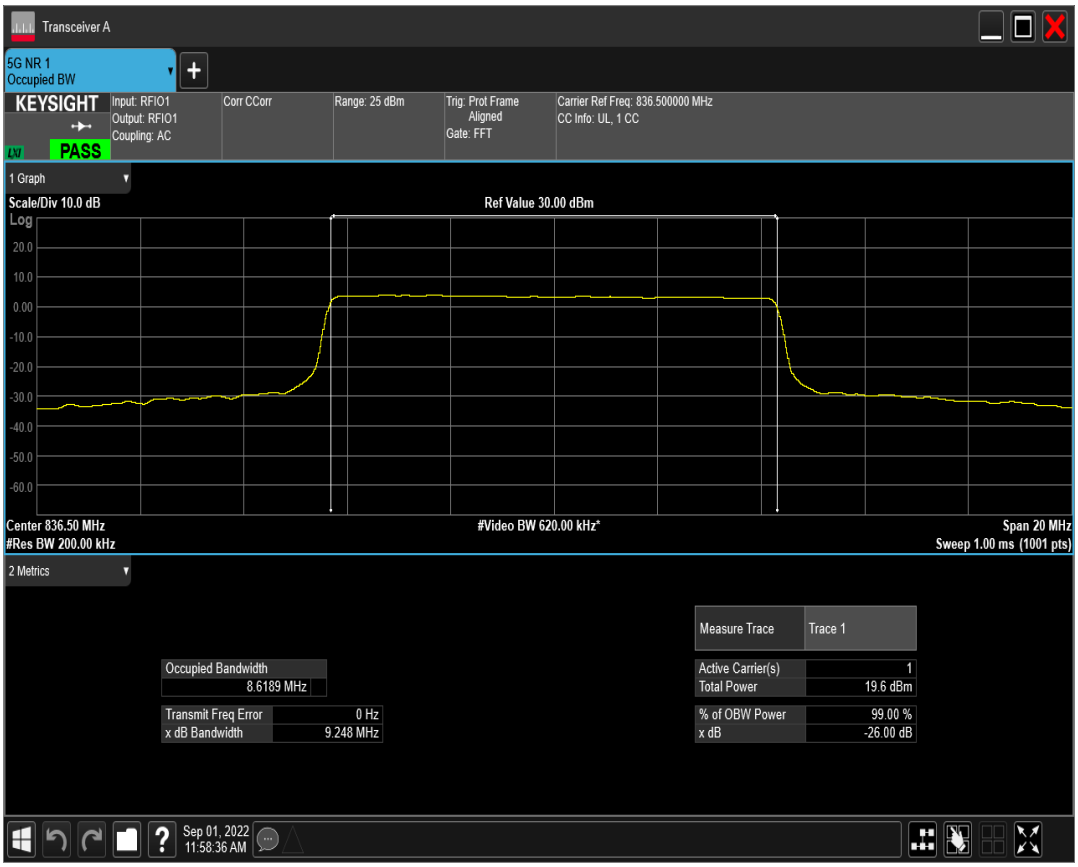

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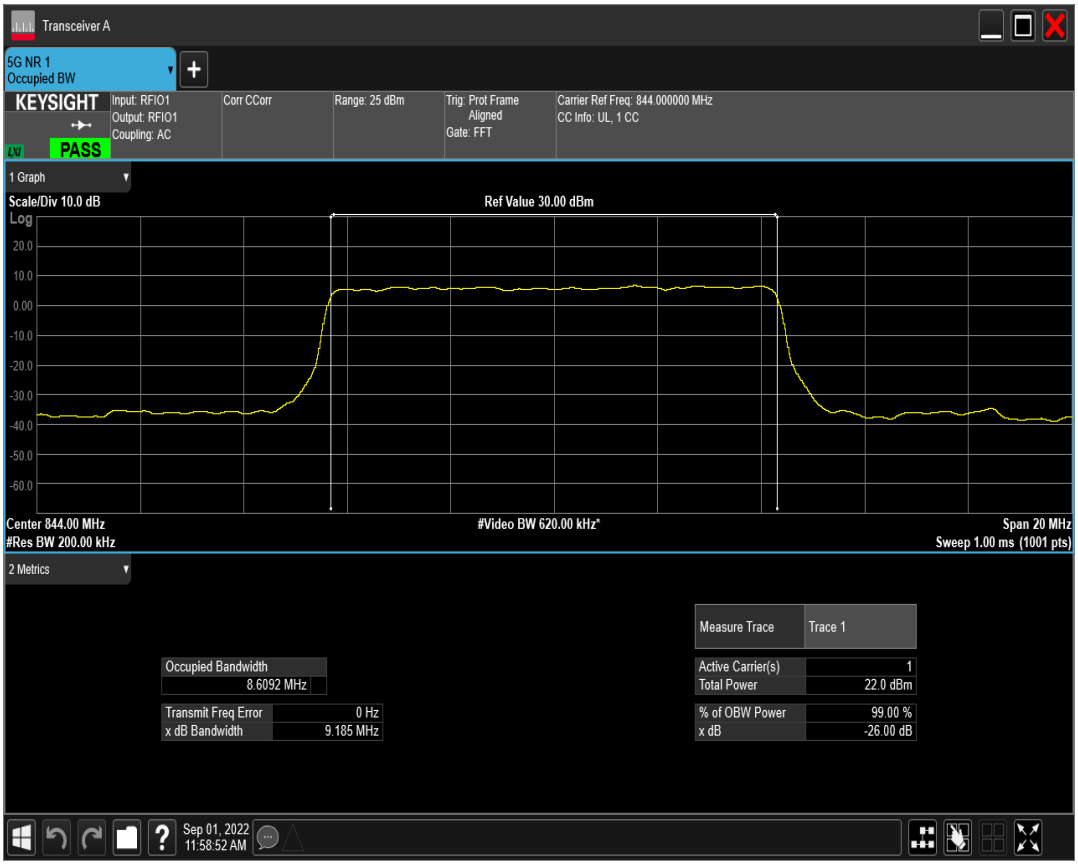

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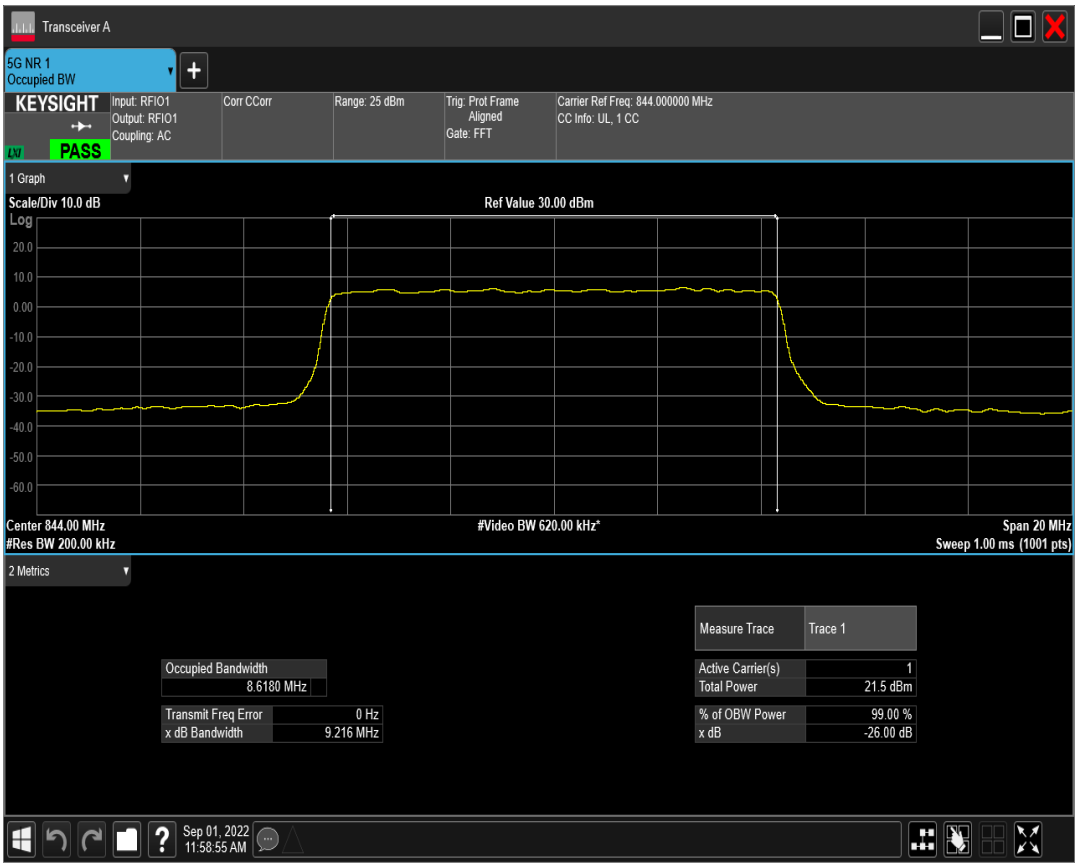

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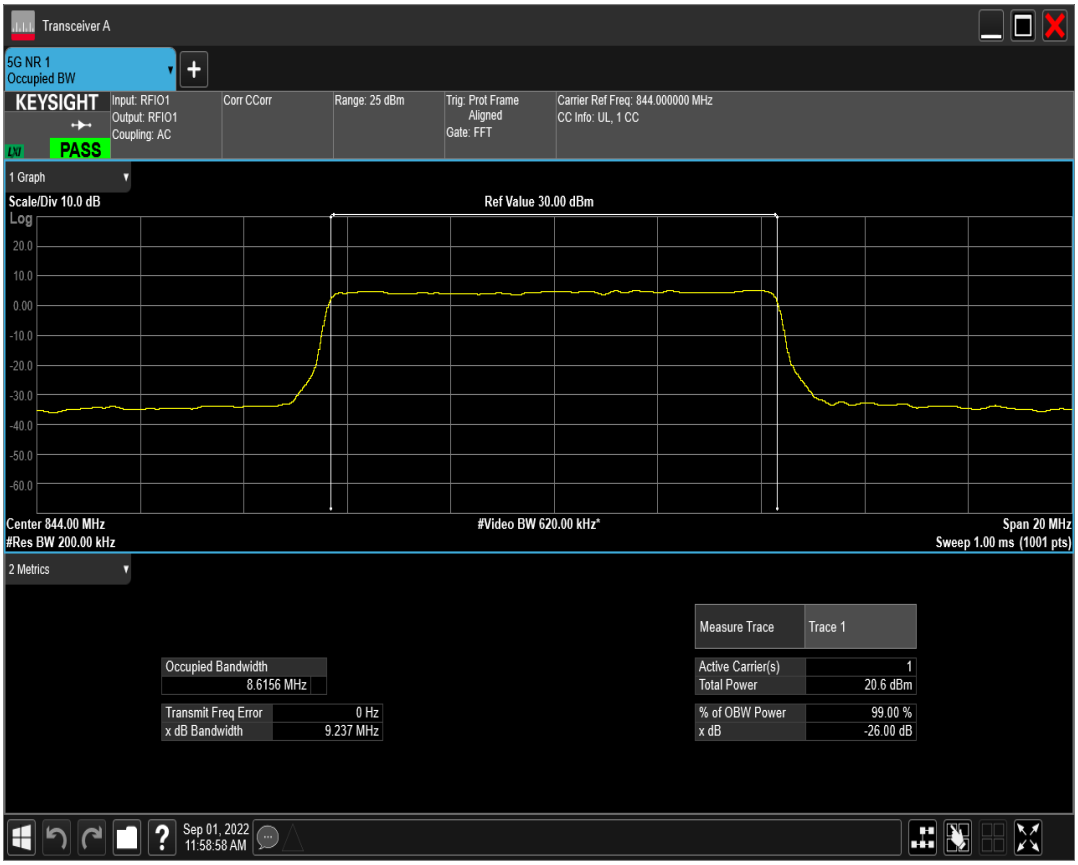

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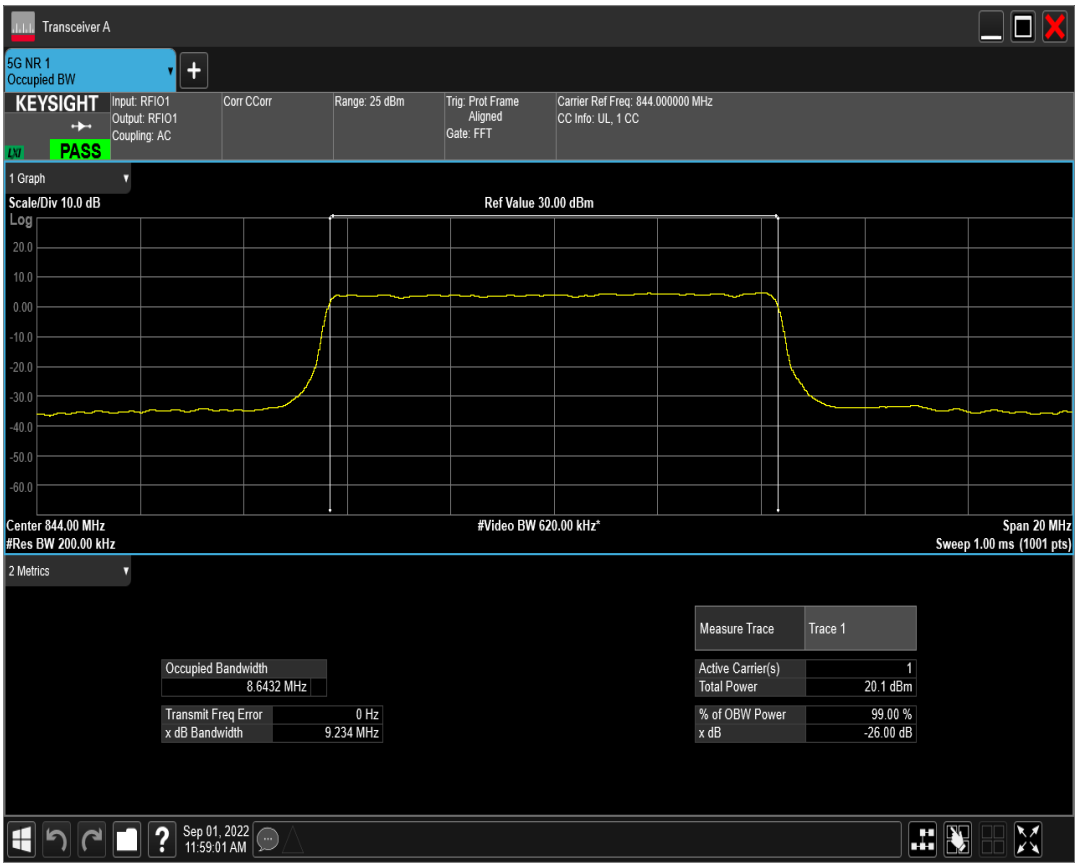

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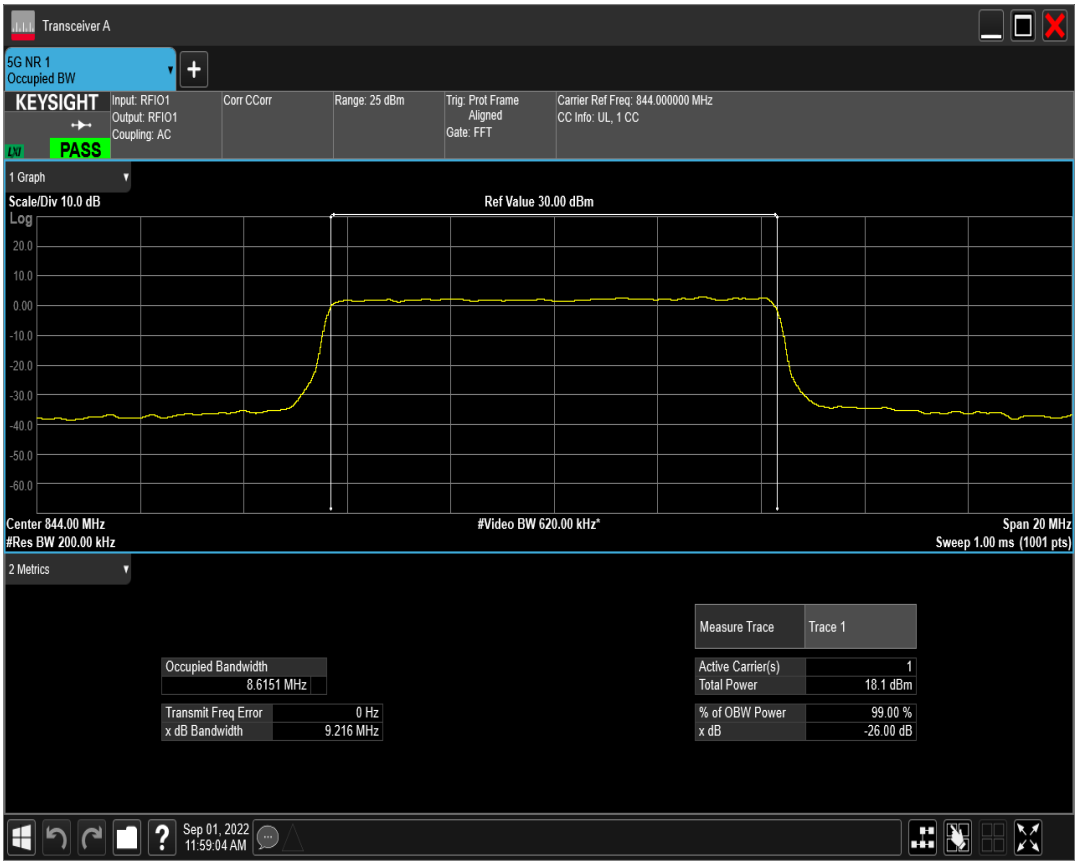
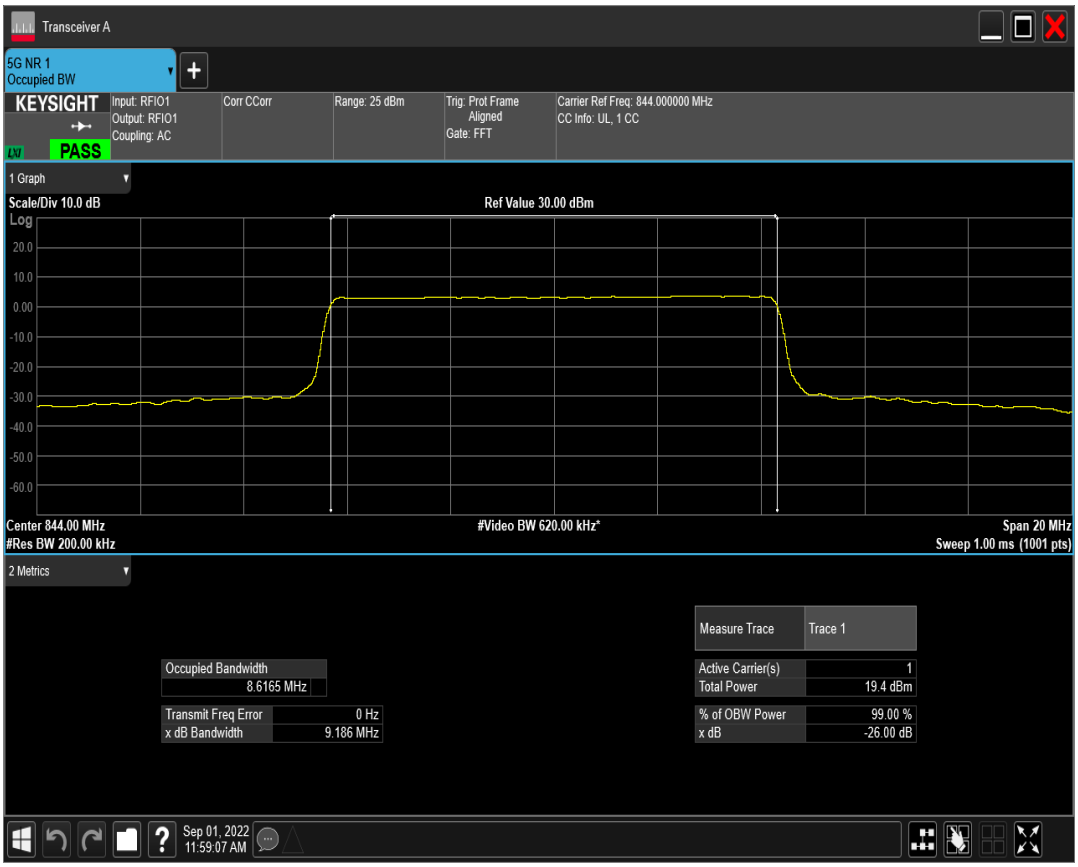


n5 SCS=30kHz CP_QPSK BW=10MHz Channel=168800 RB=24@0



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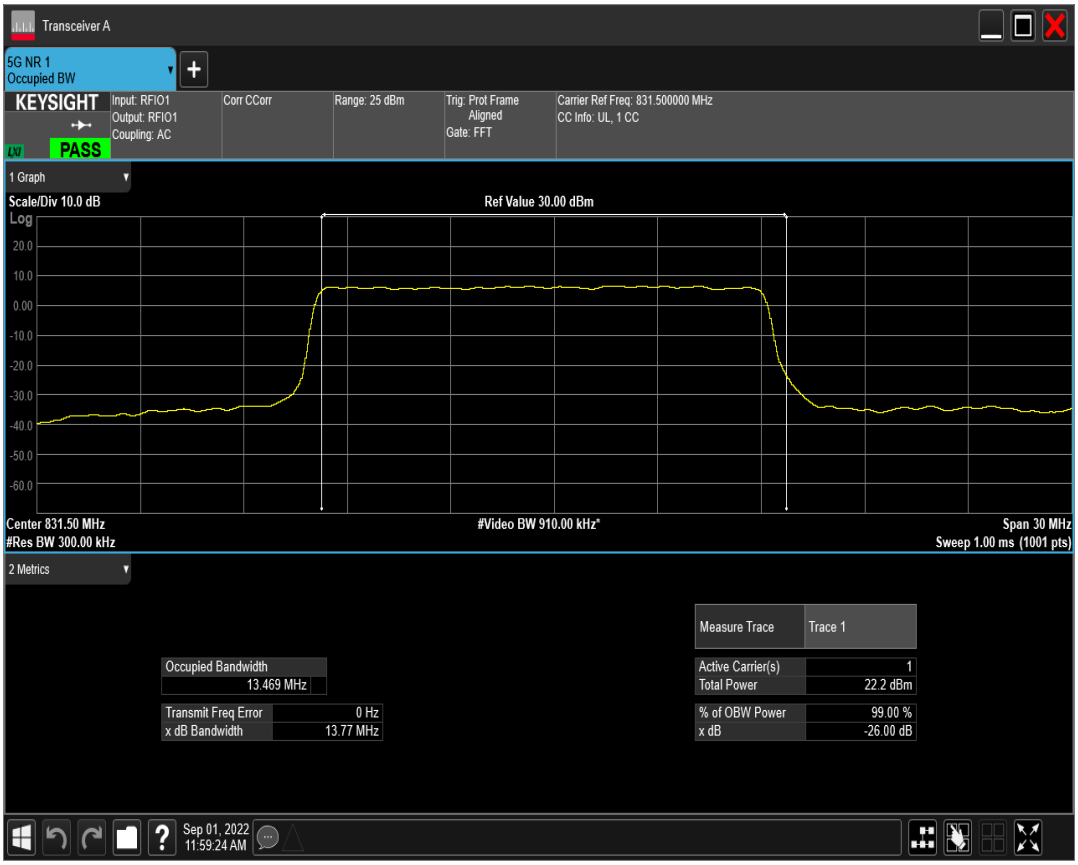

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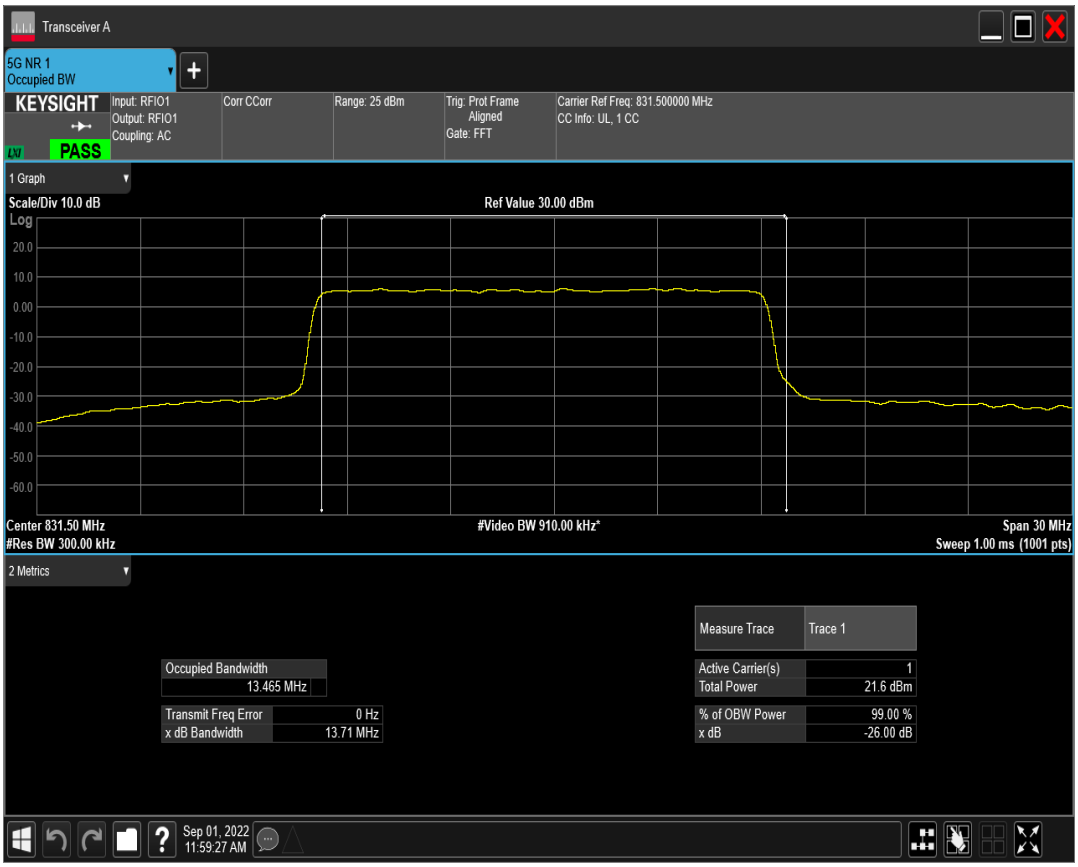

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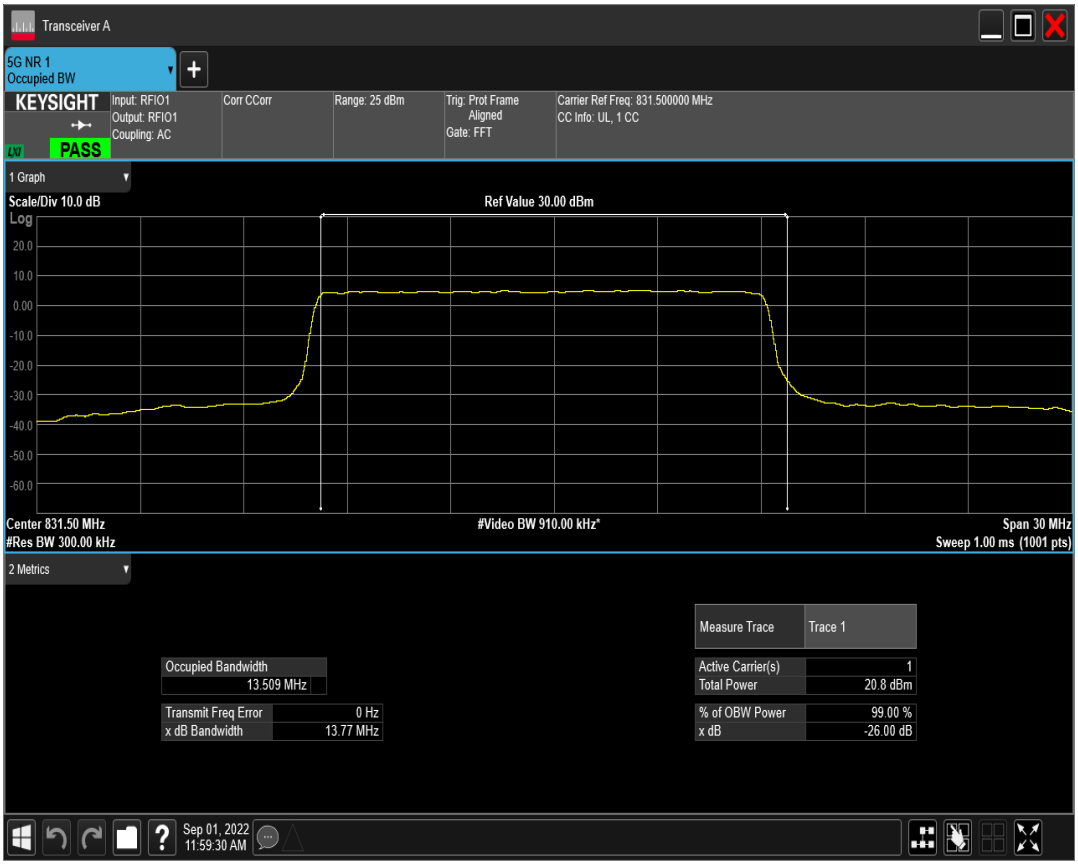

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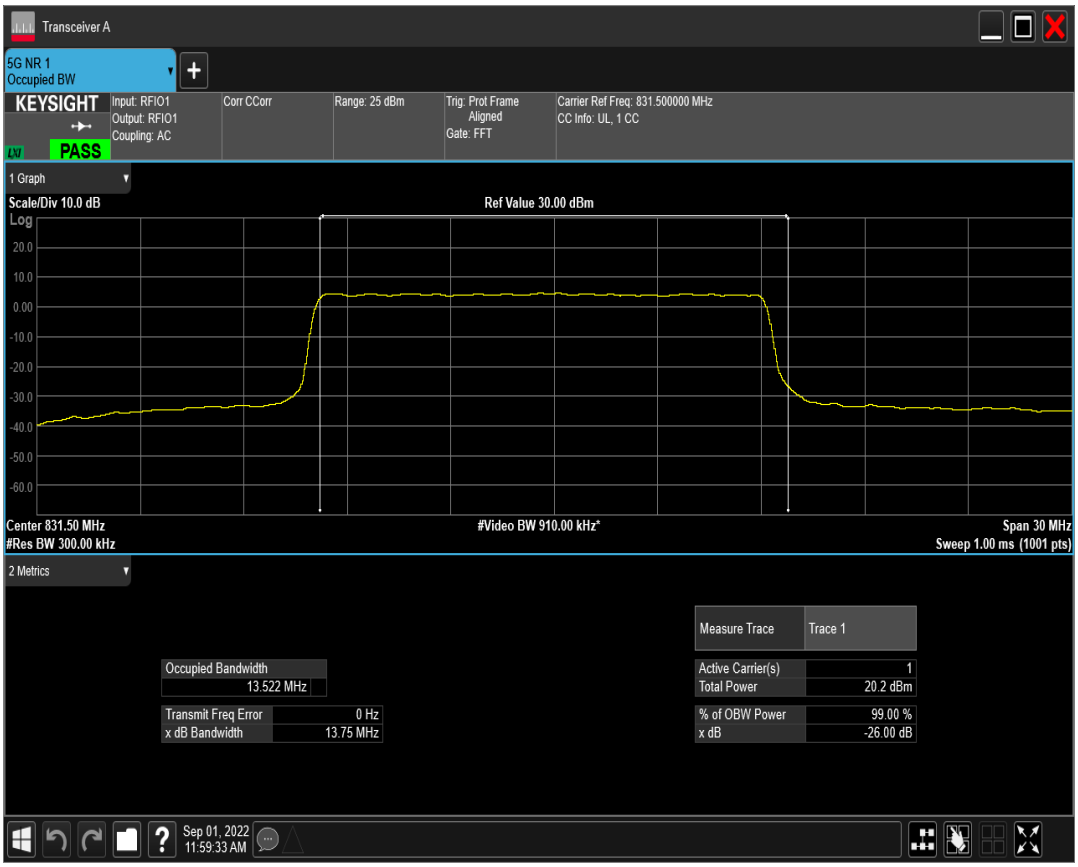

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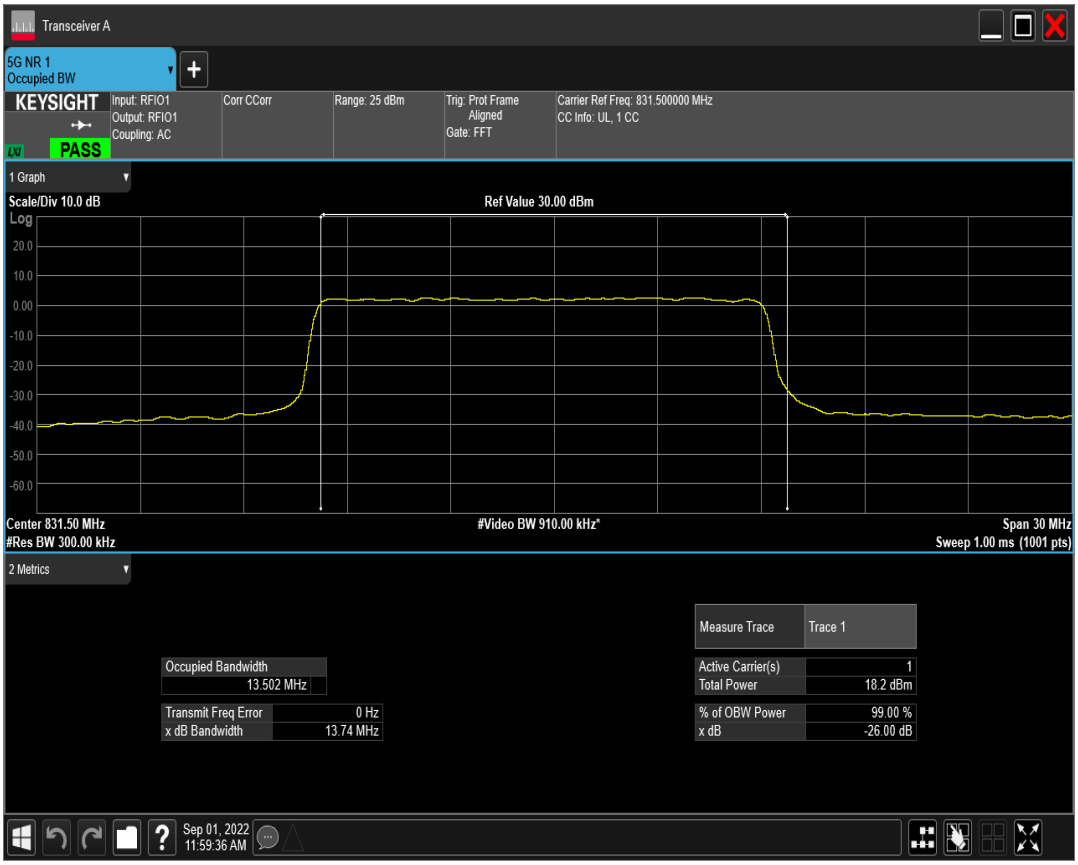

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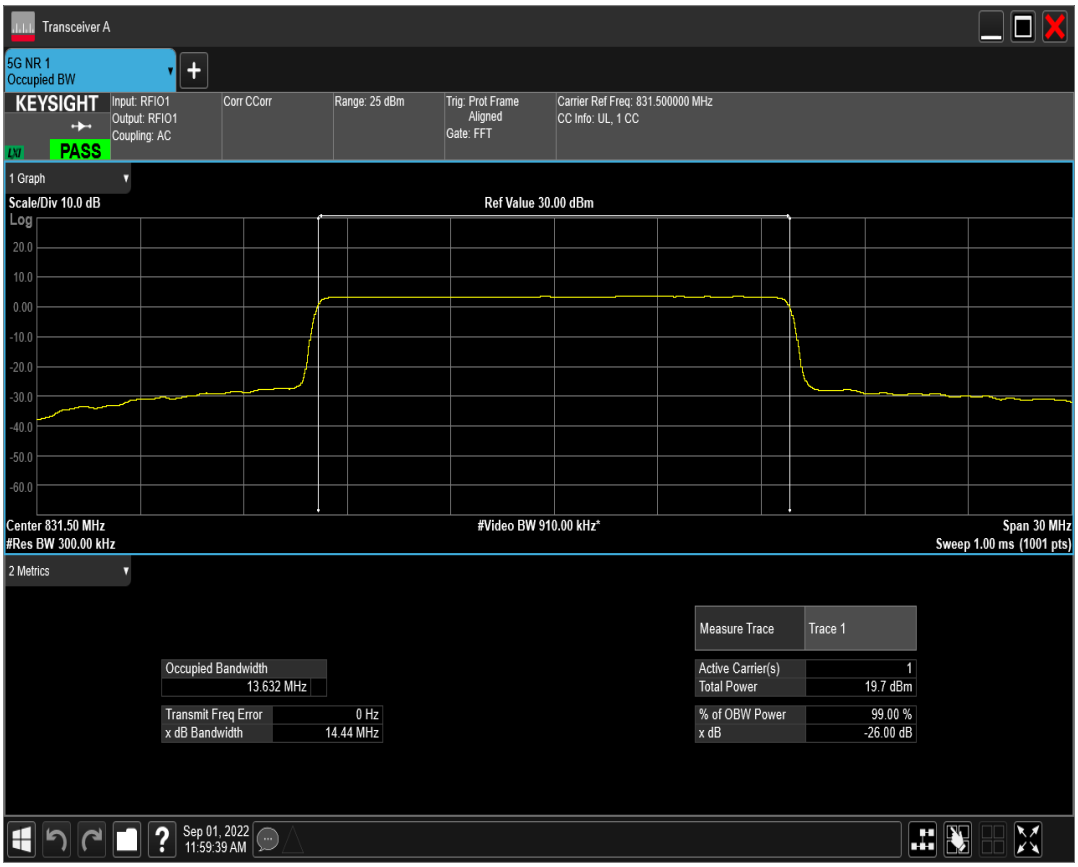

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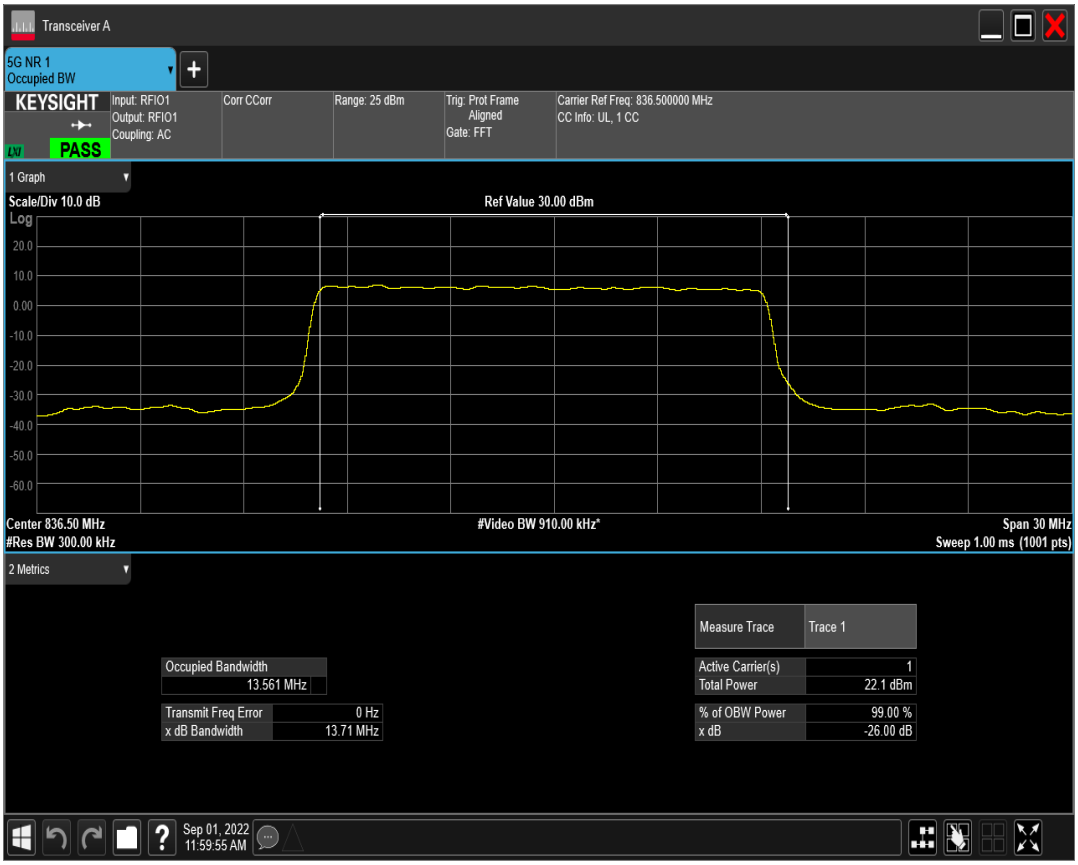

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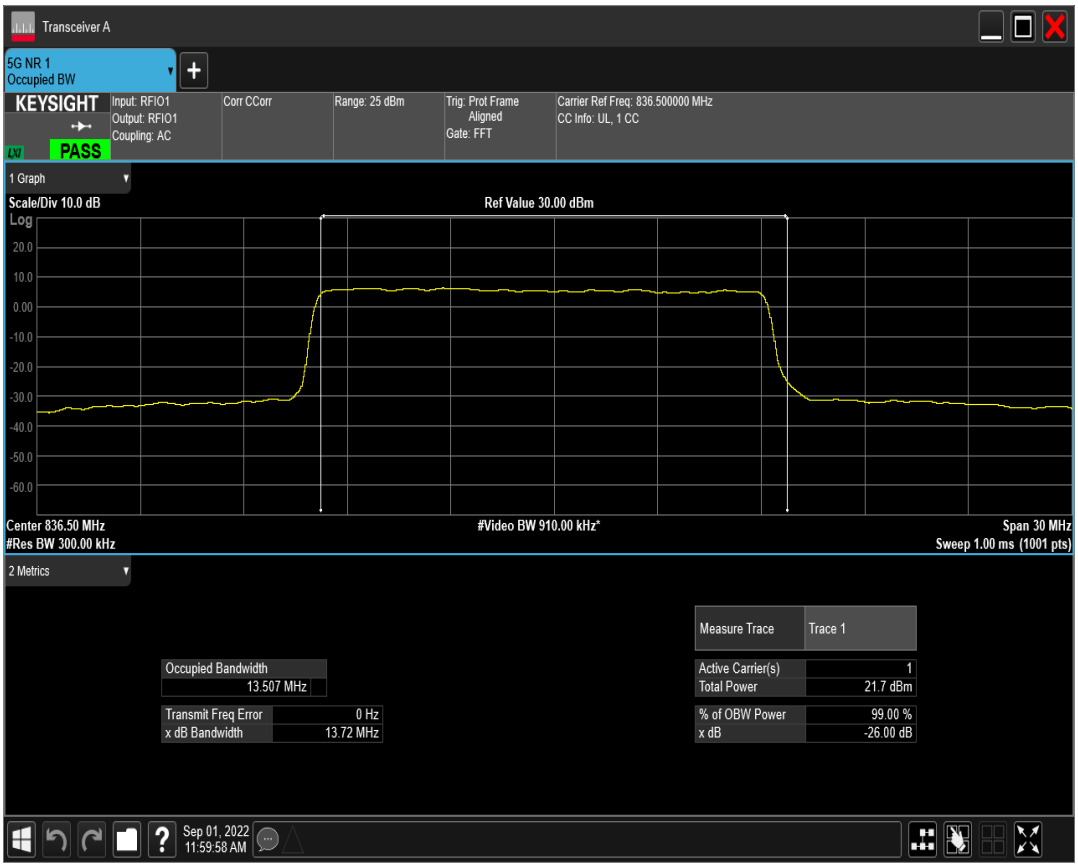

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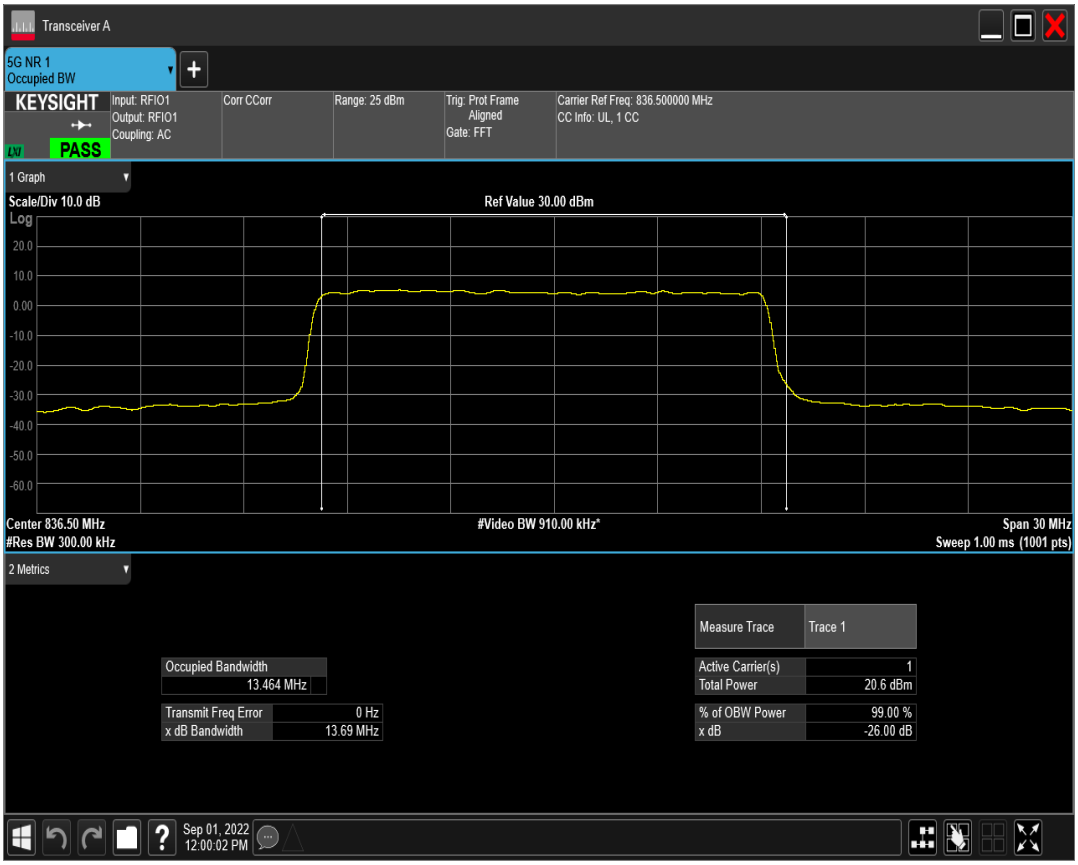

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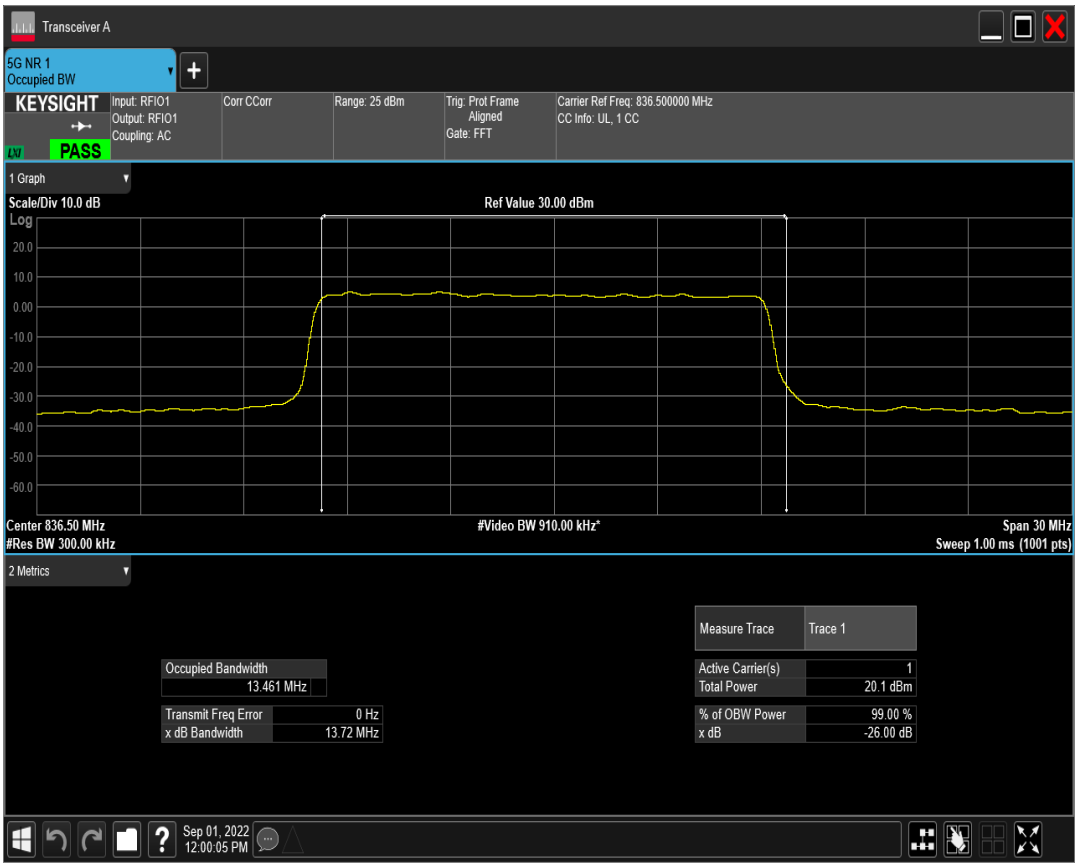

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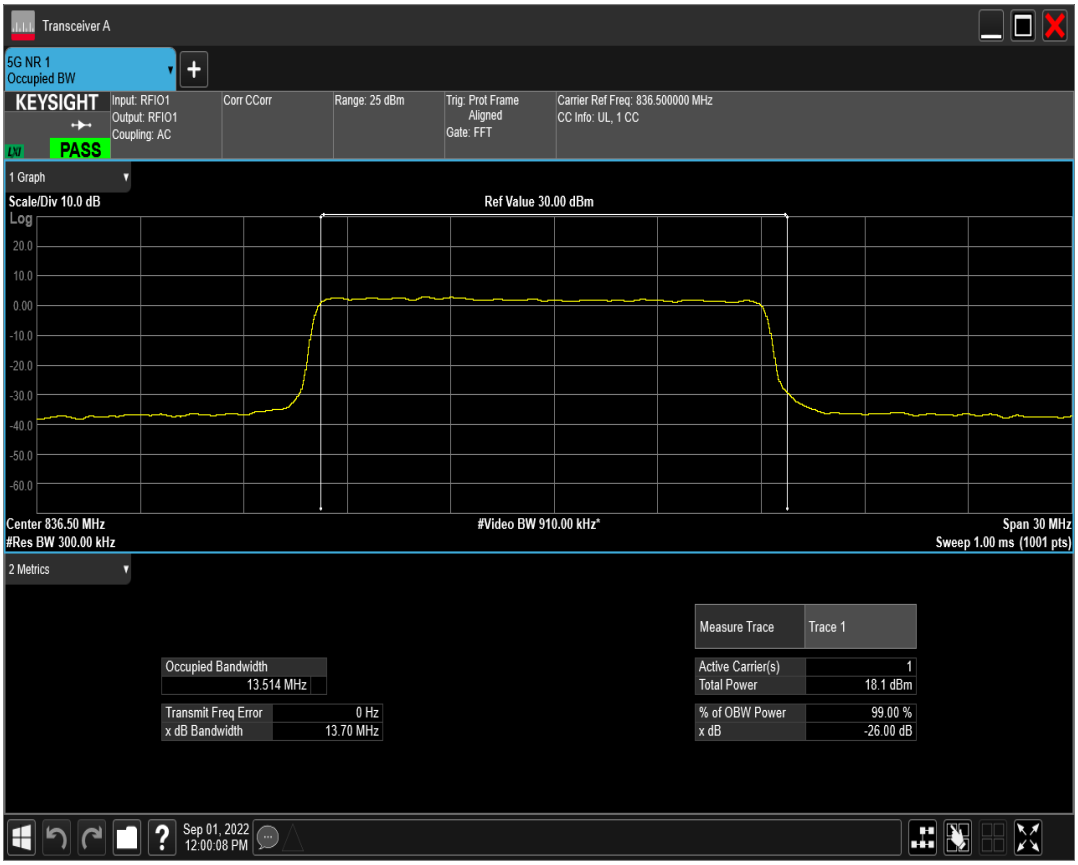

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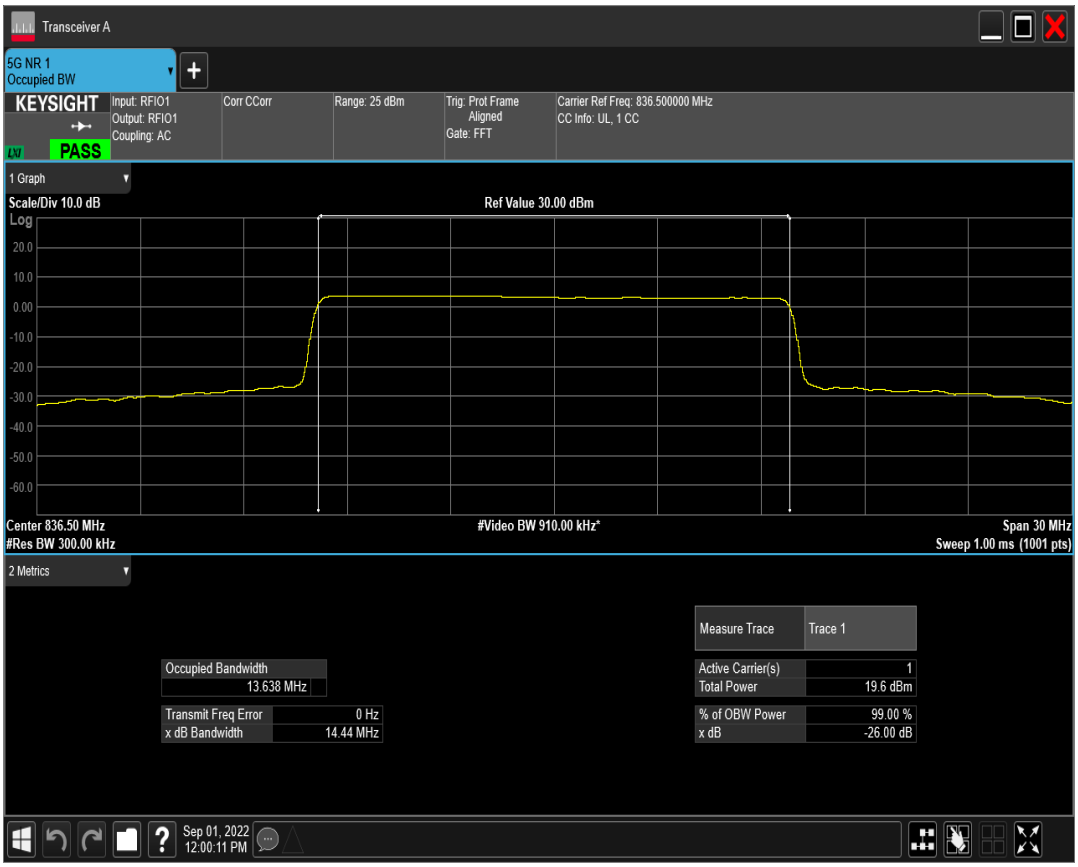

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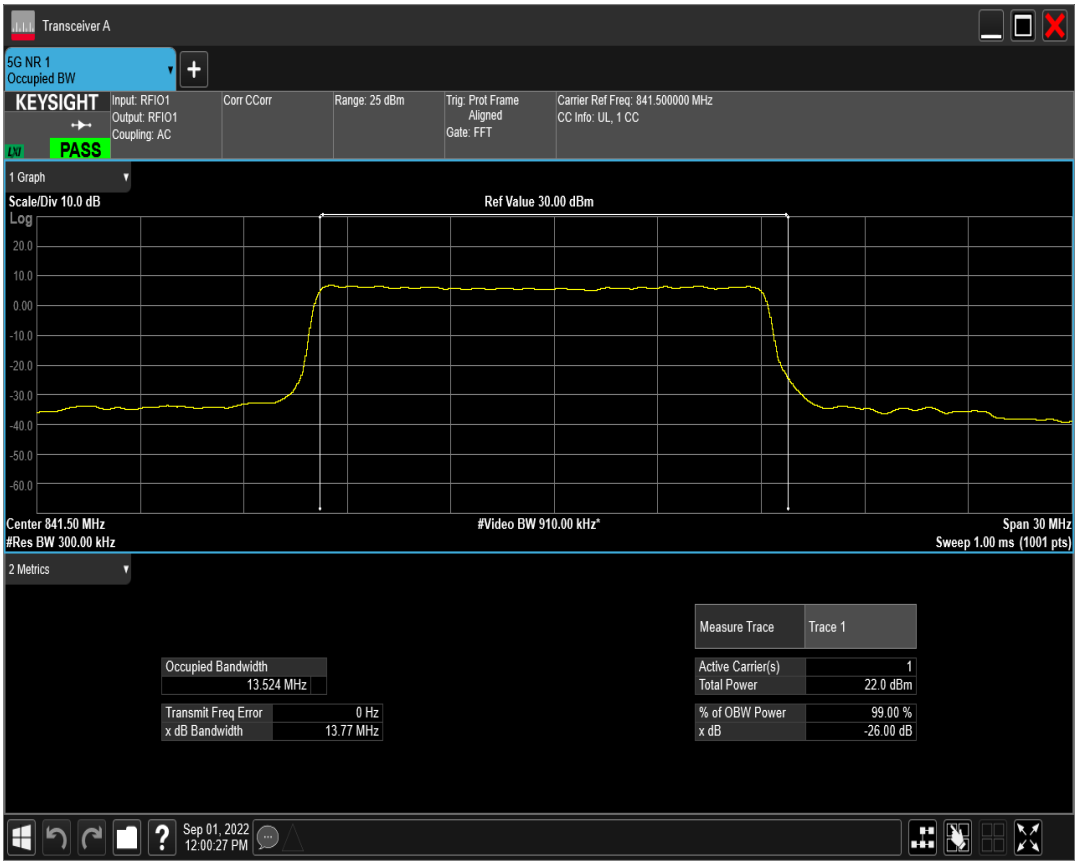

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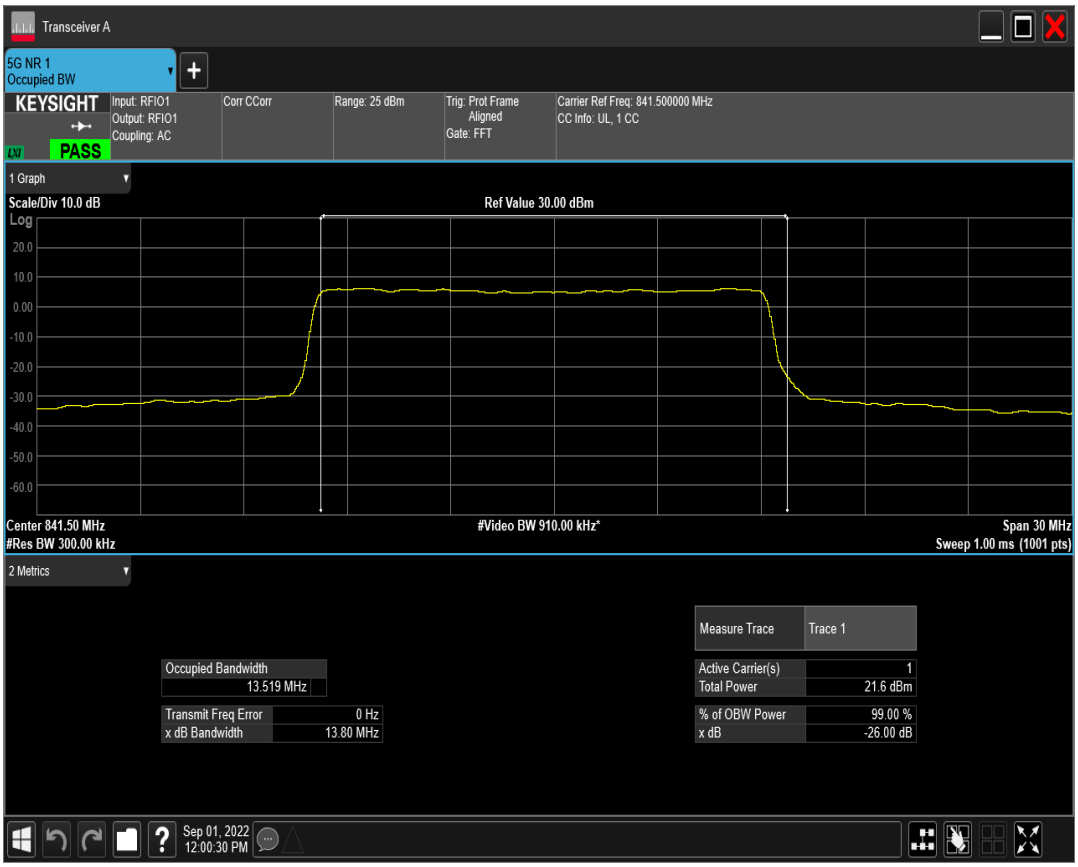

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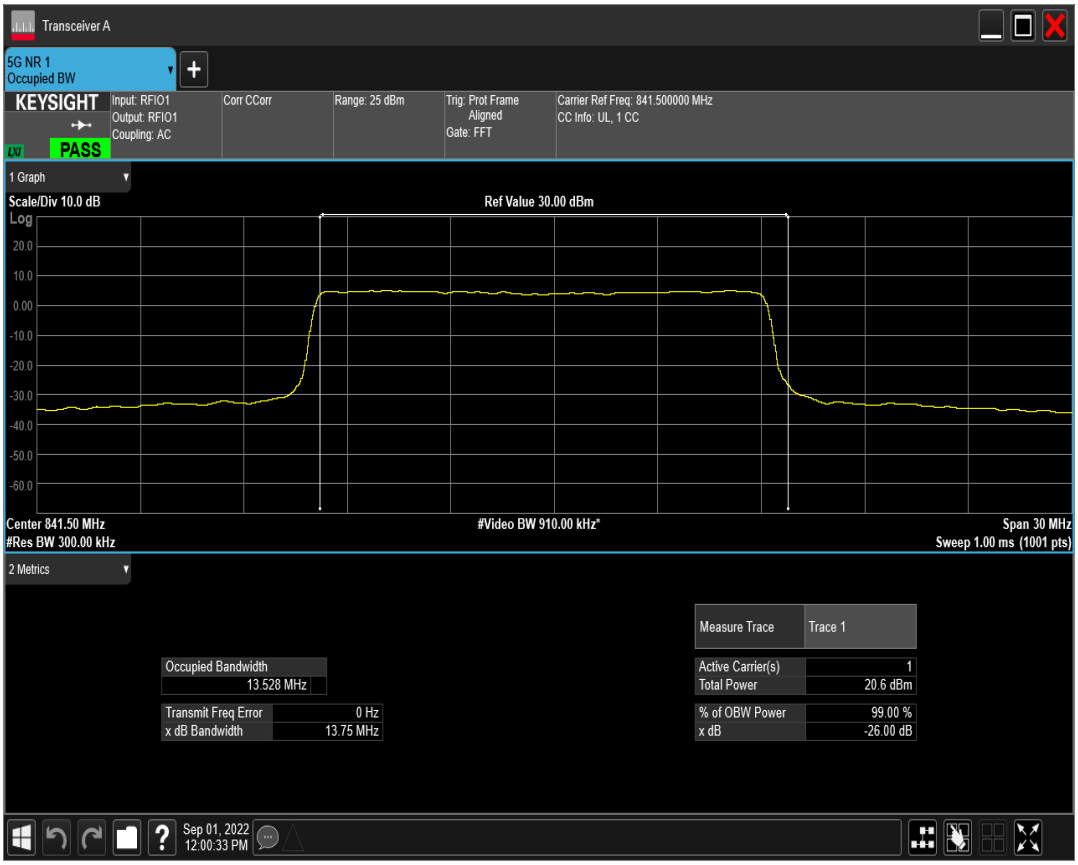

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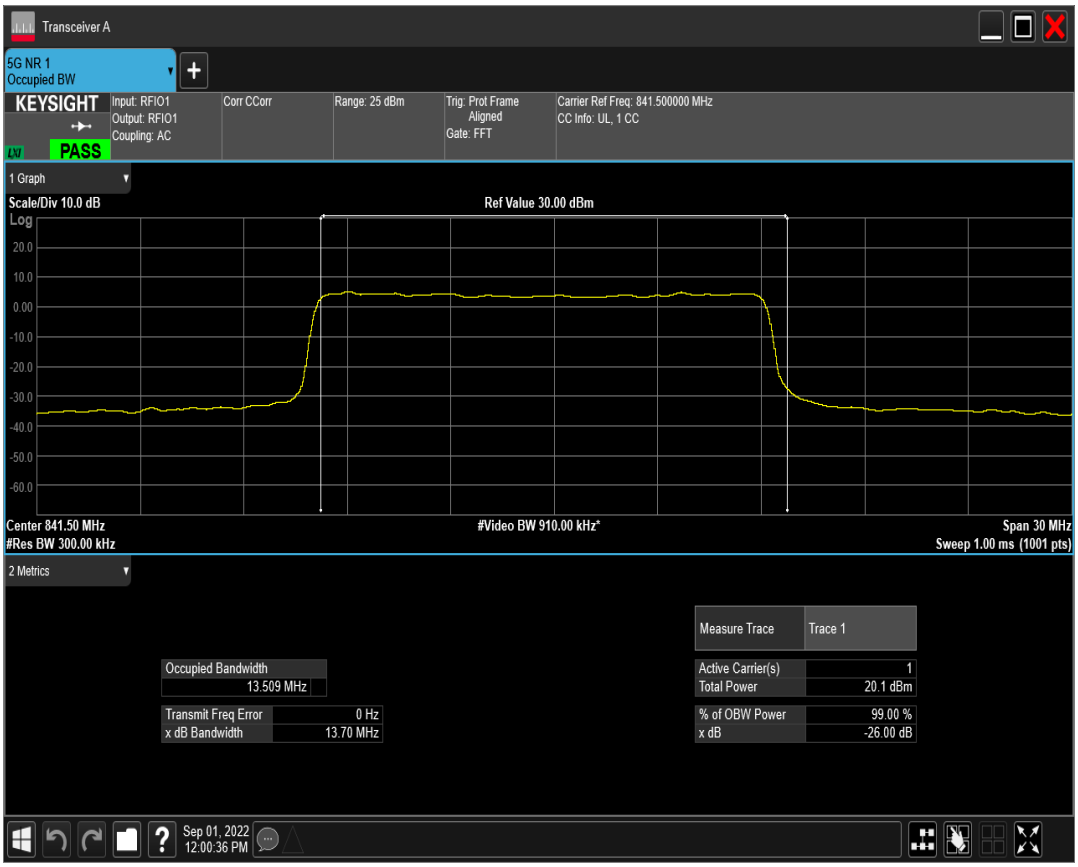

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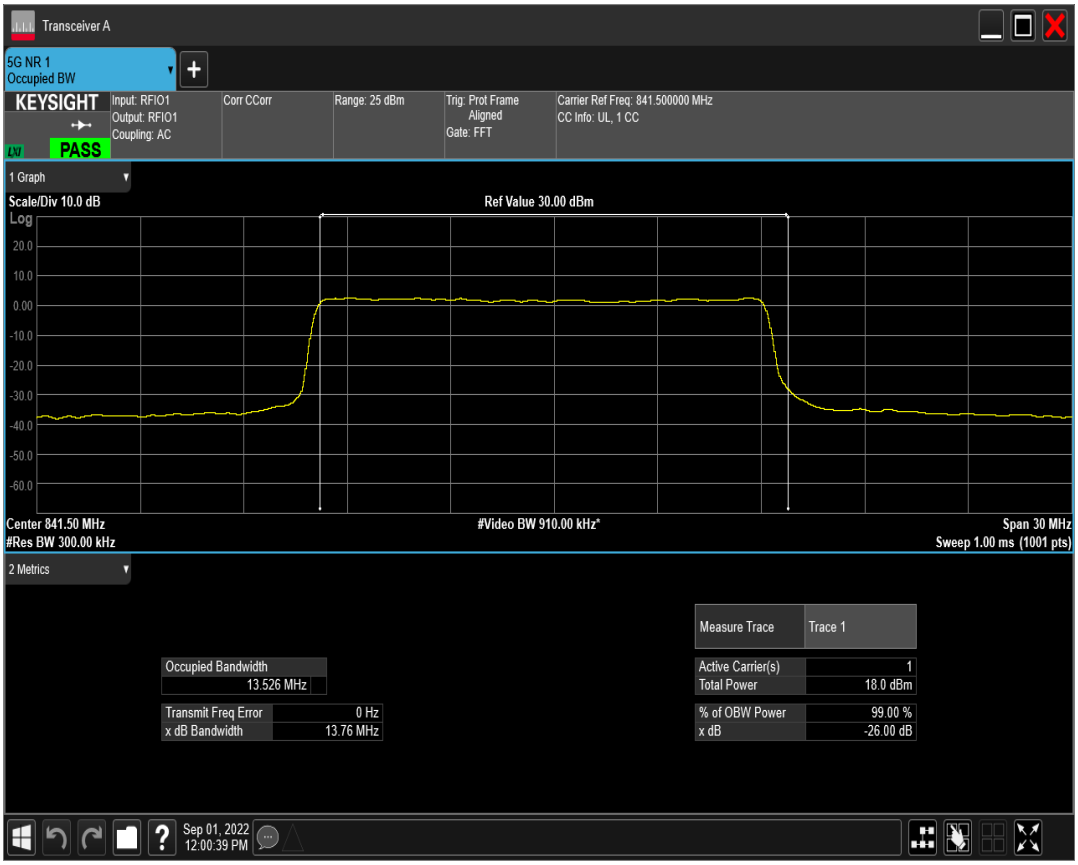

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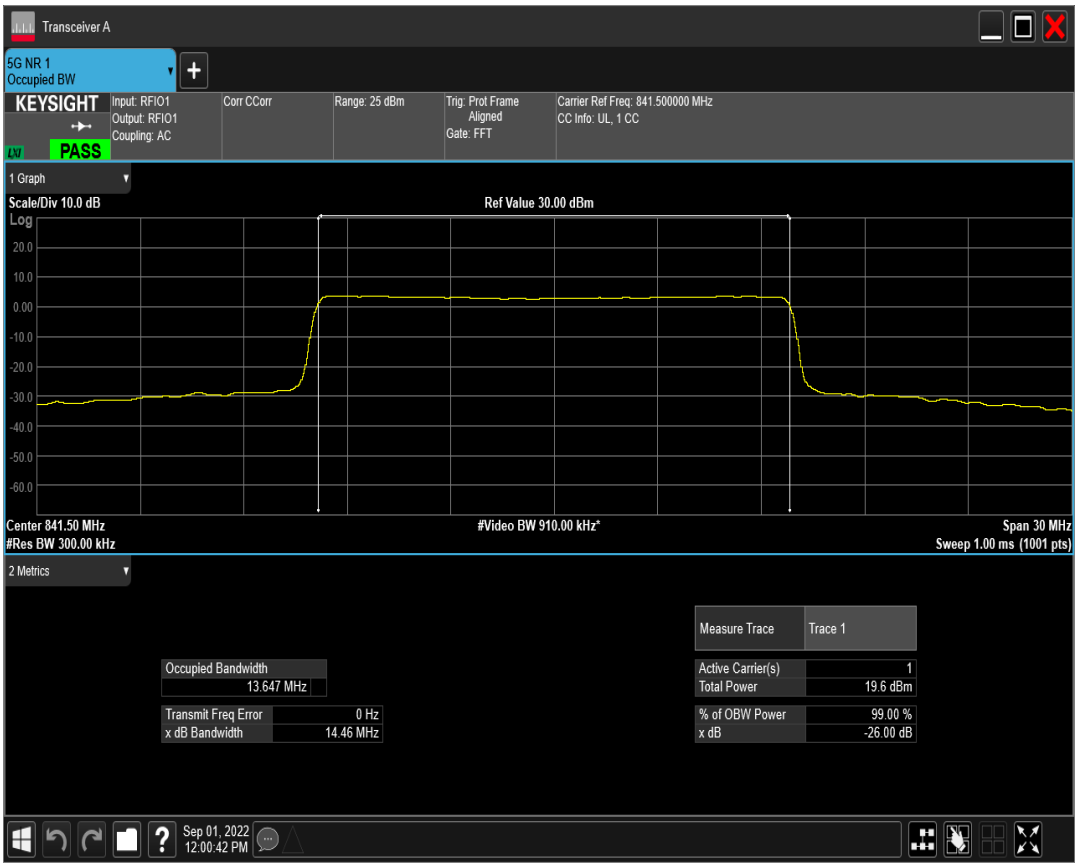

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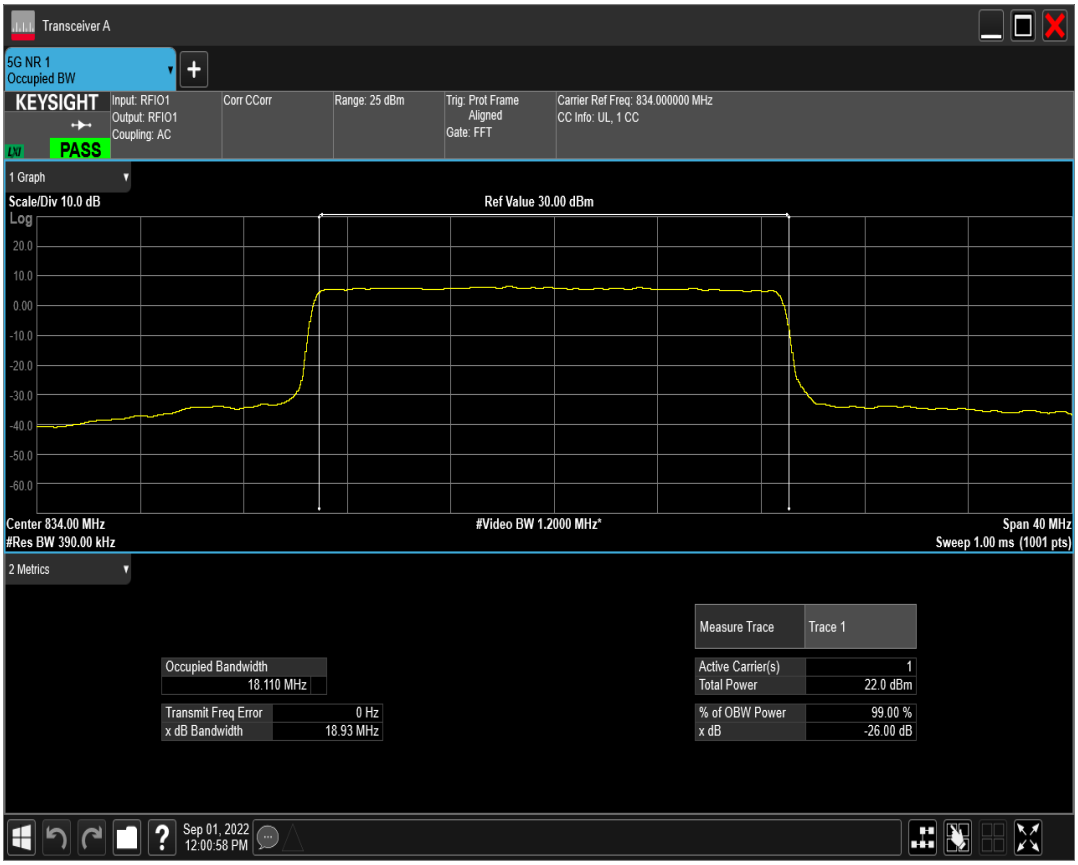

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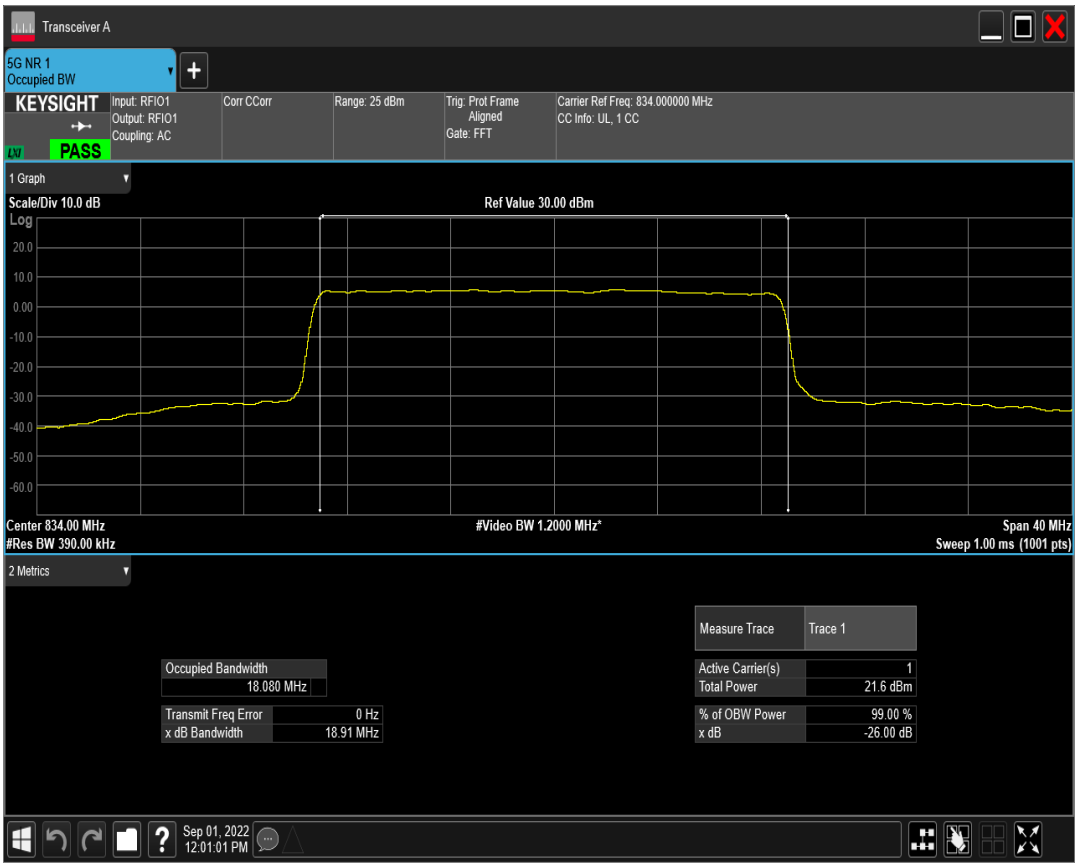

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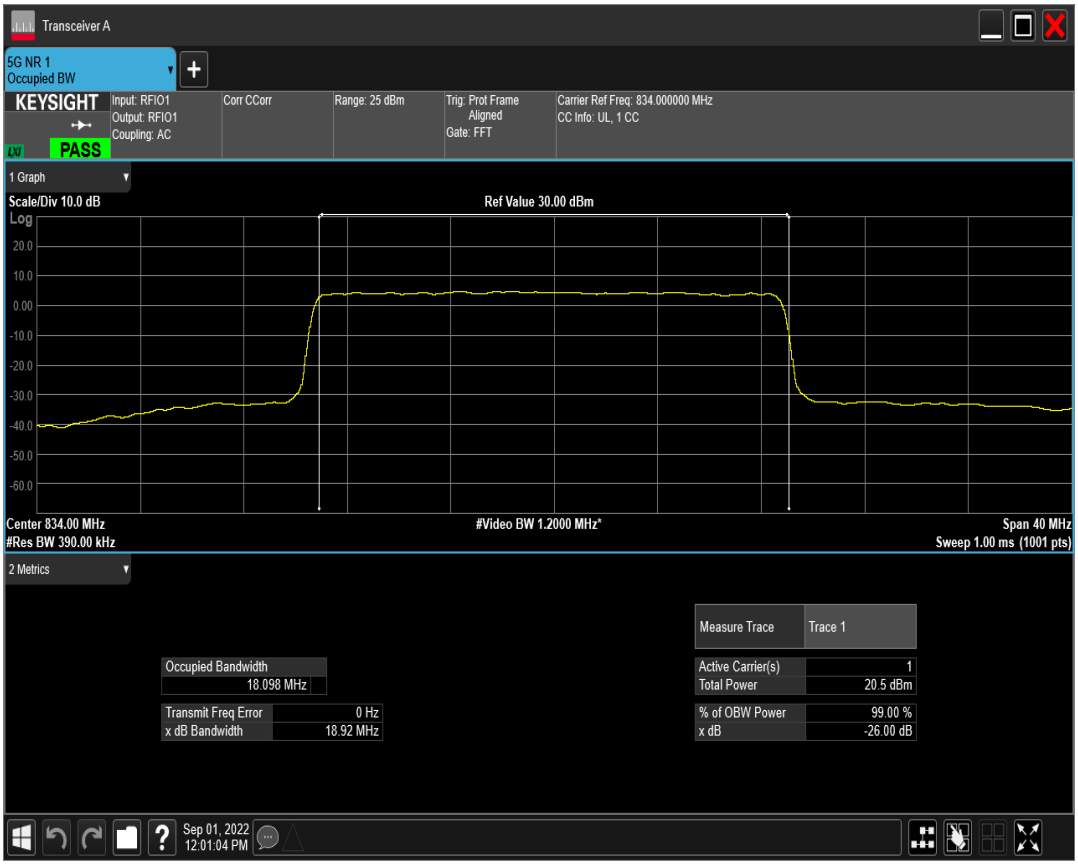

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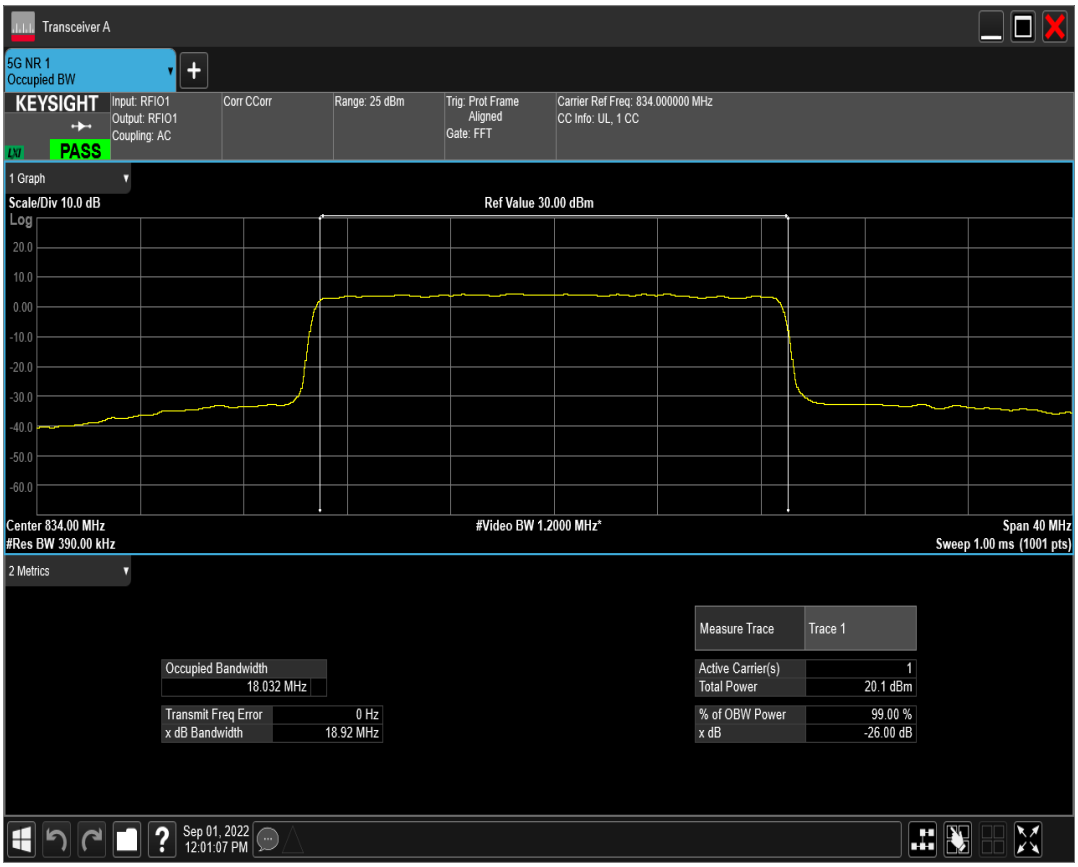

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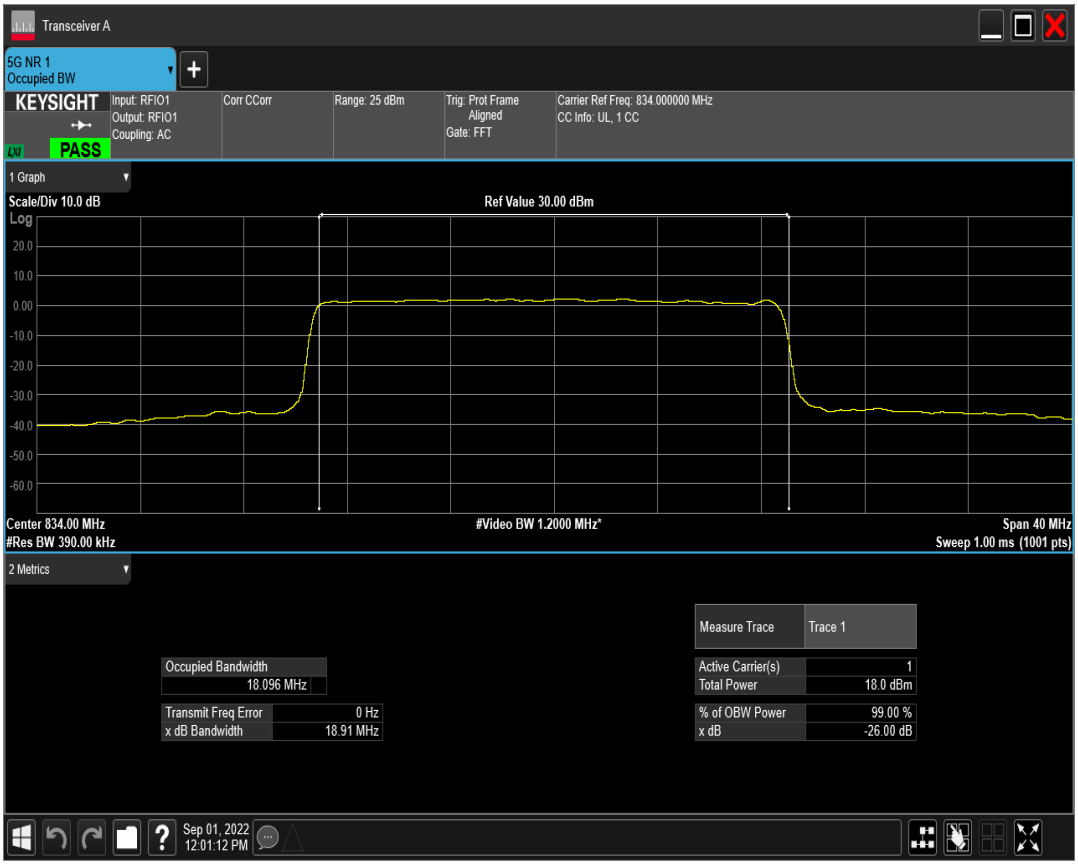

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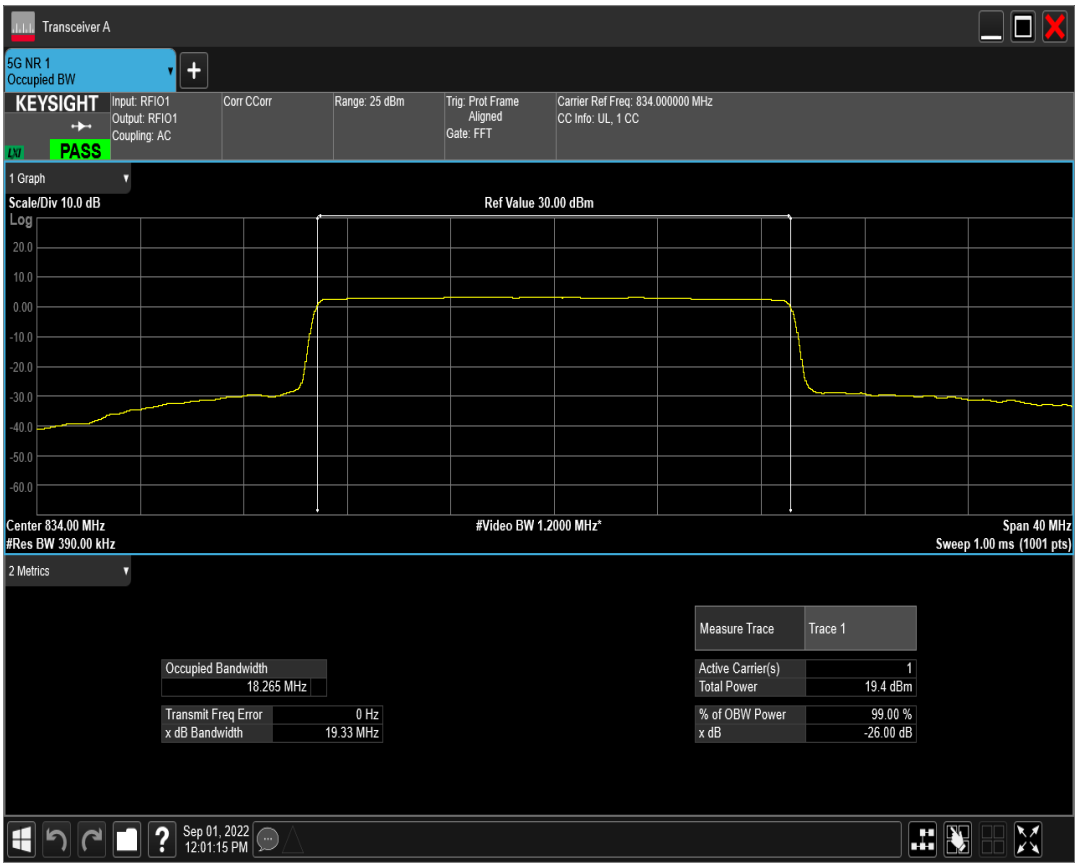

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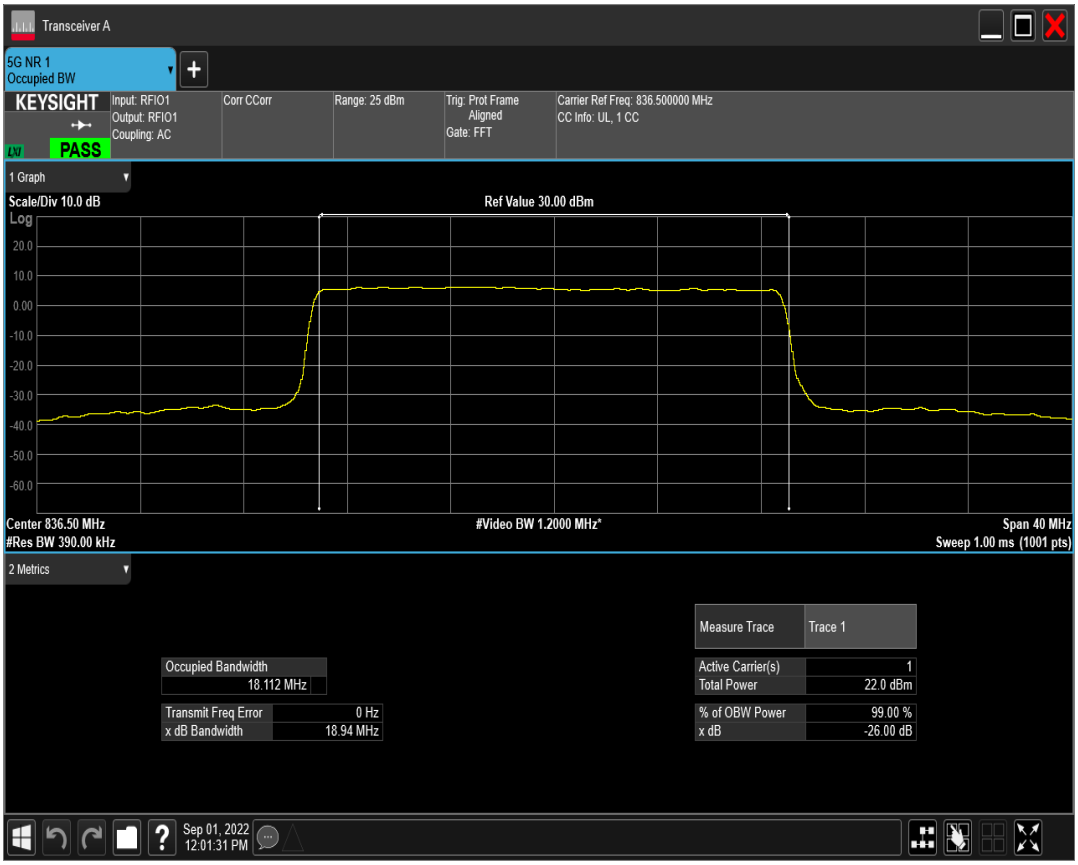

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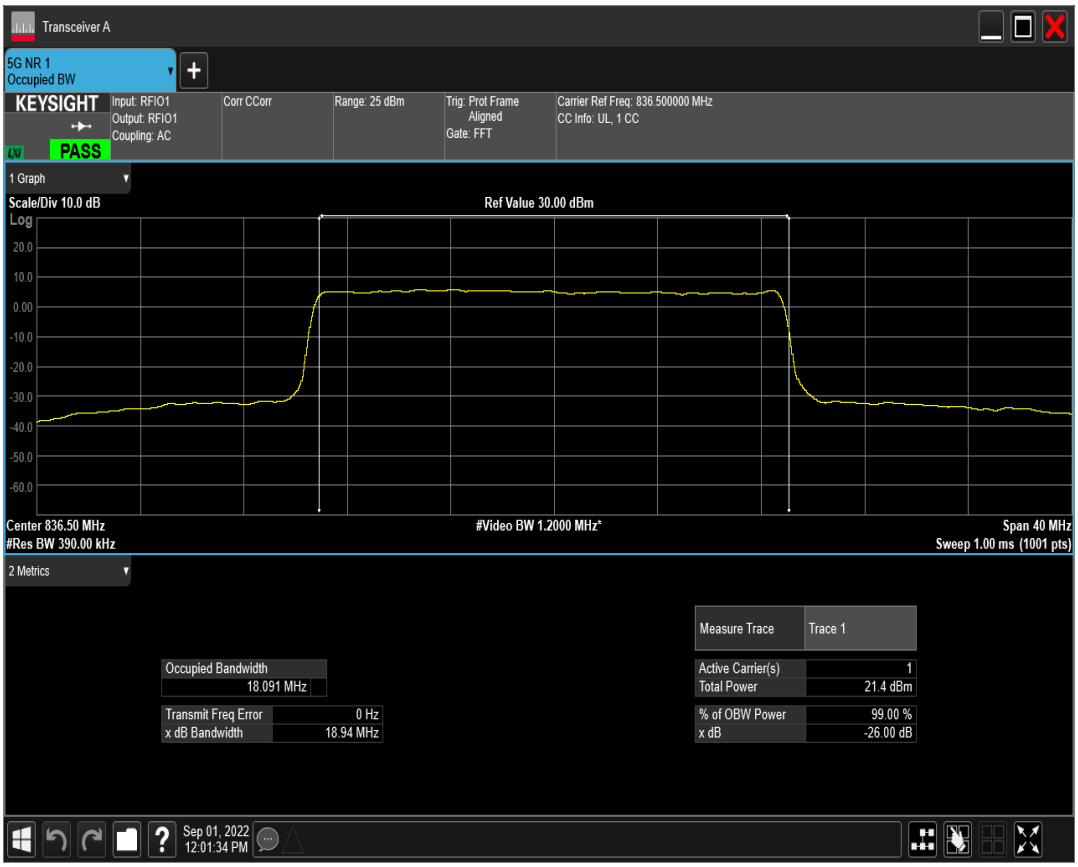

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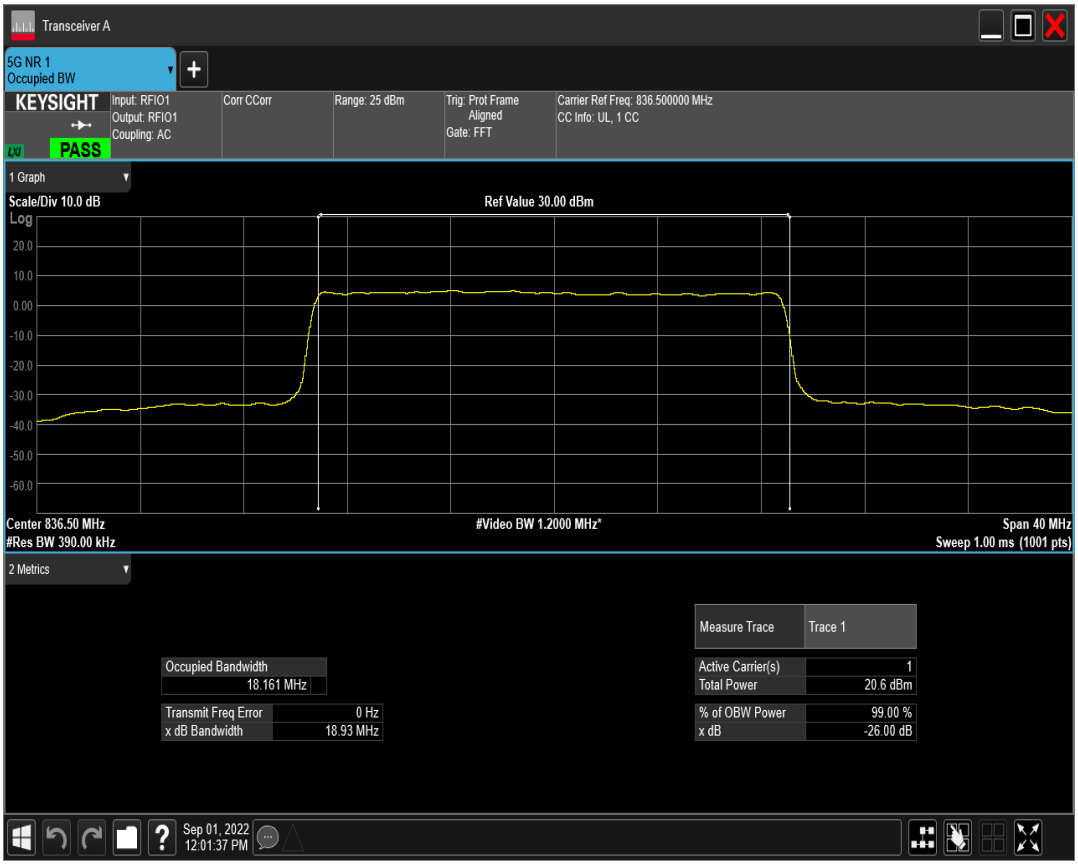

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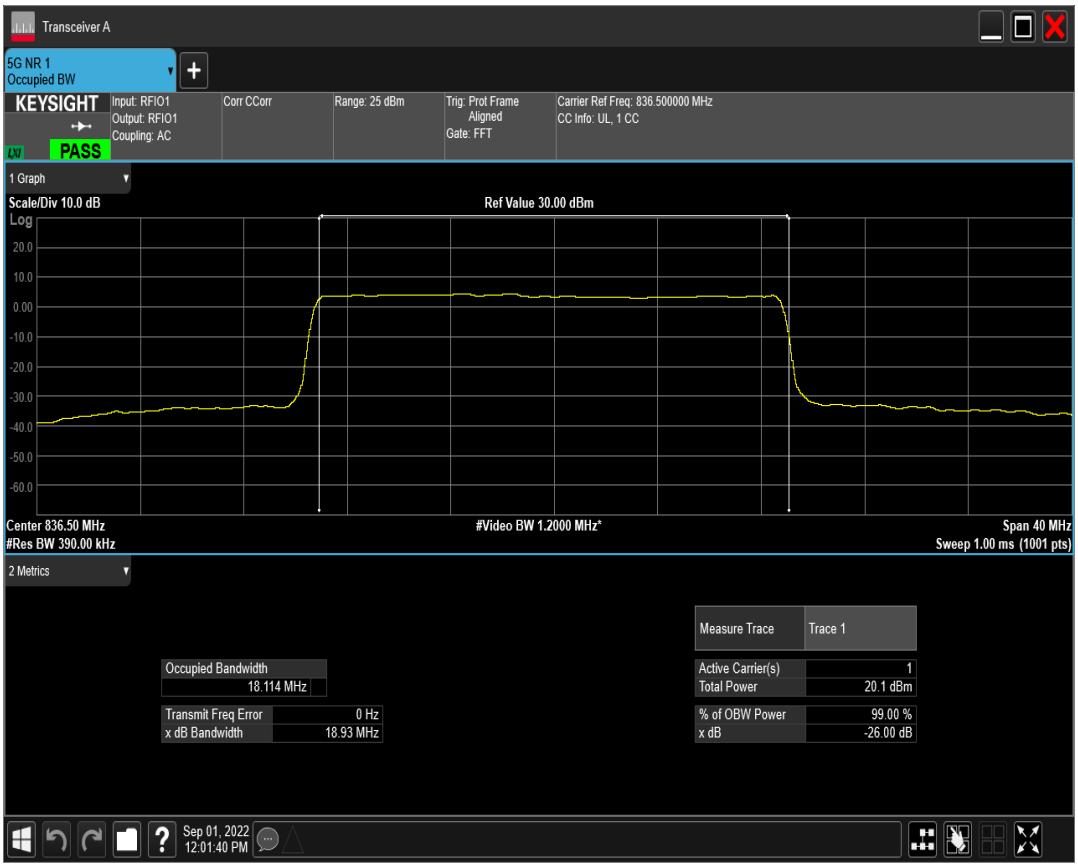

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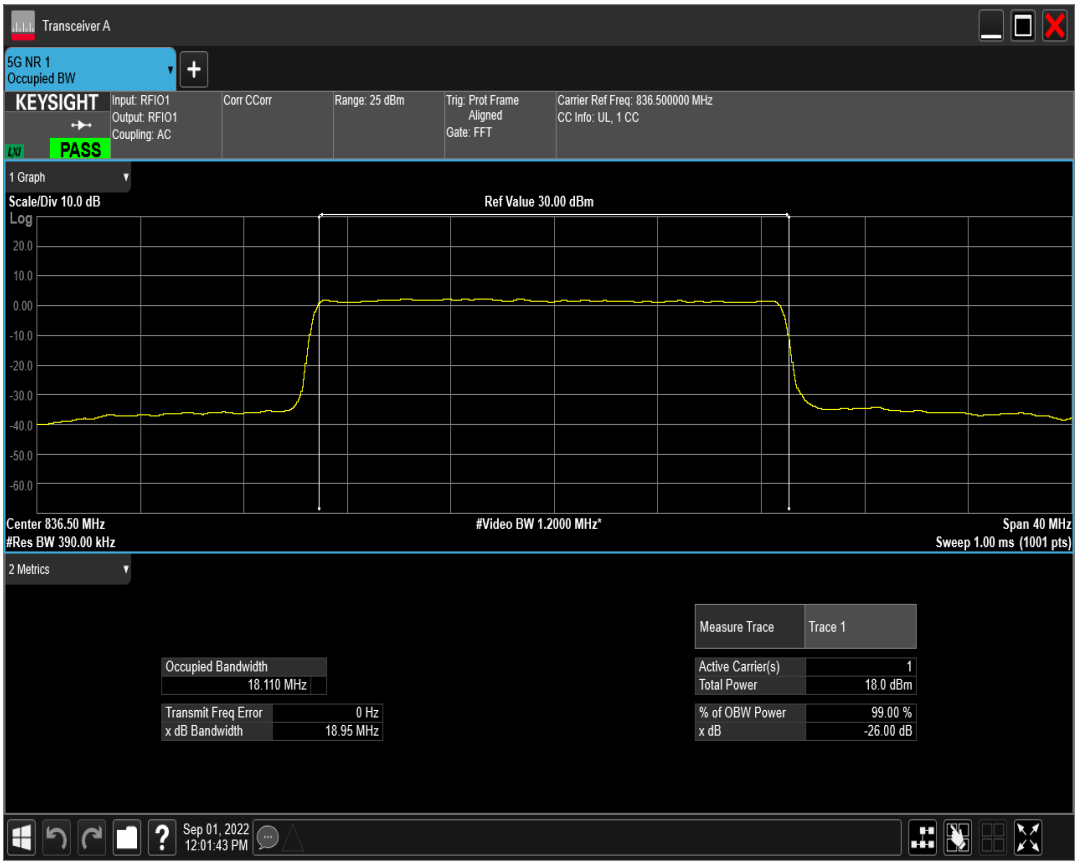

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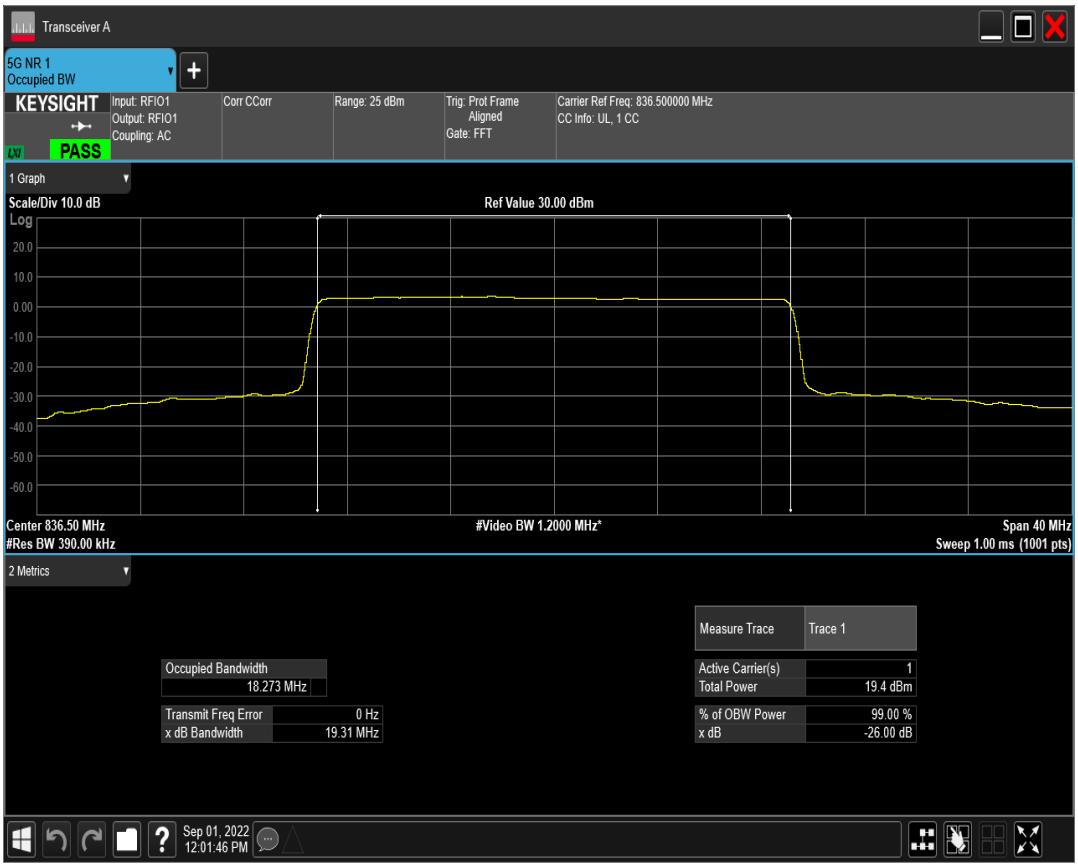

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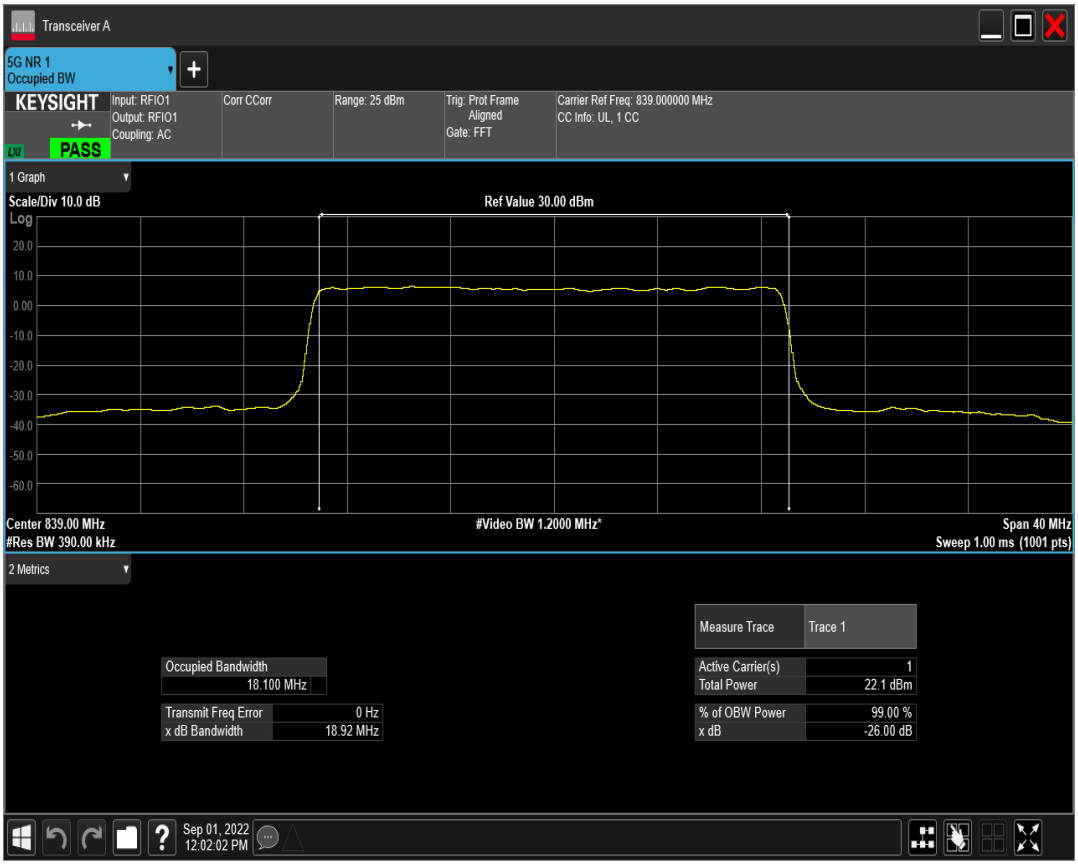
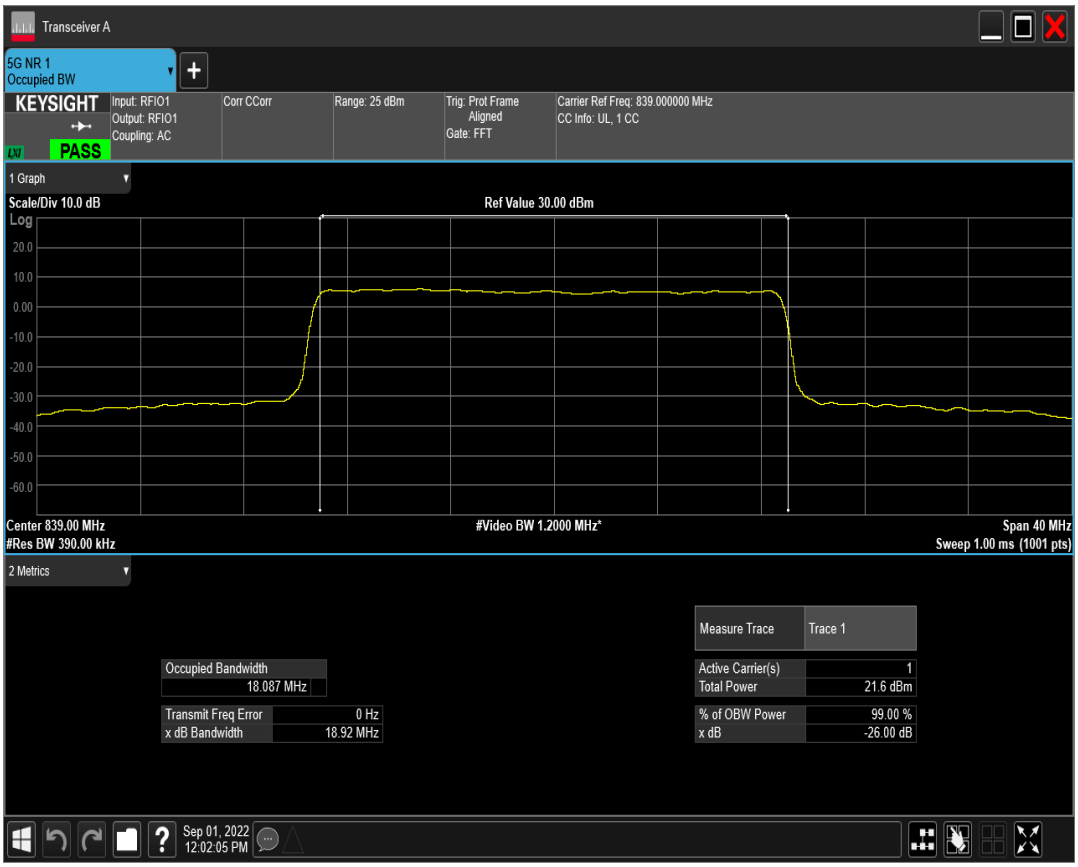


n5 SCS=30kHz DFT_QPSK BW=20MHz Channel=167800 RB=50@0



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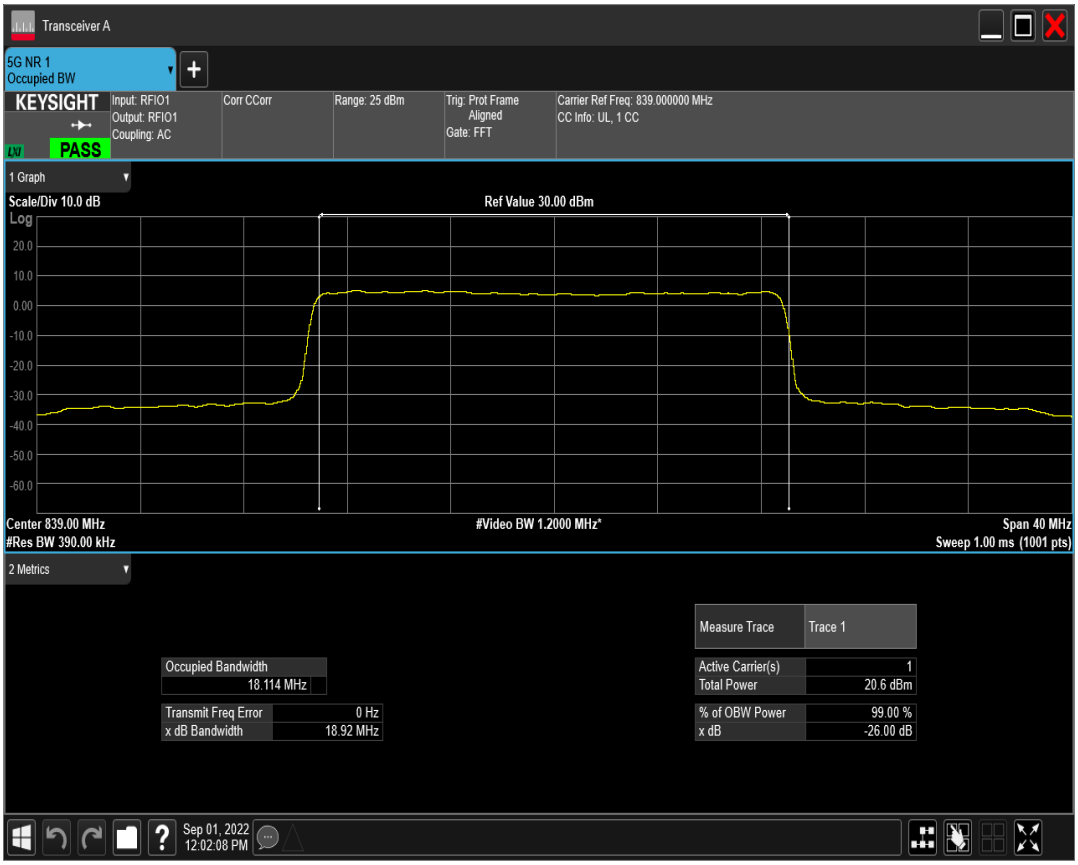

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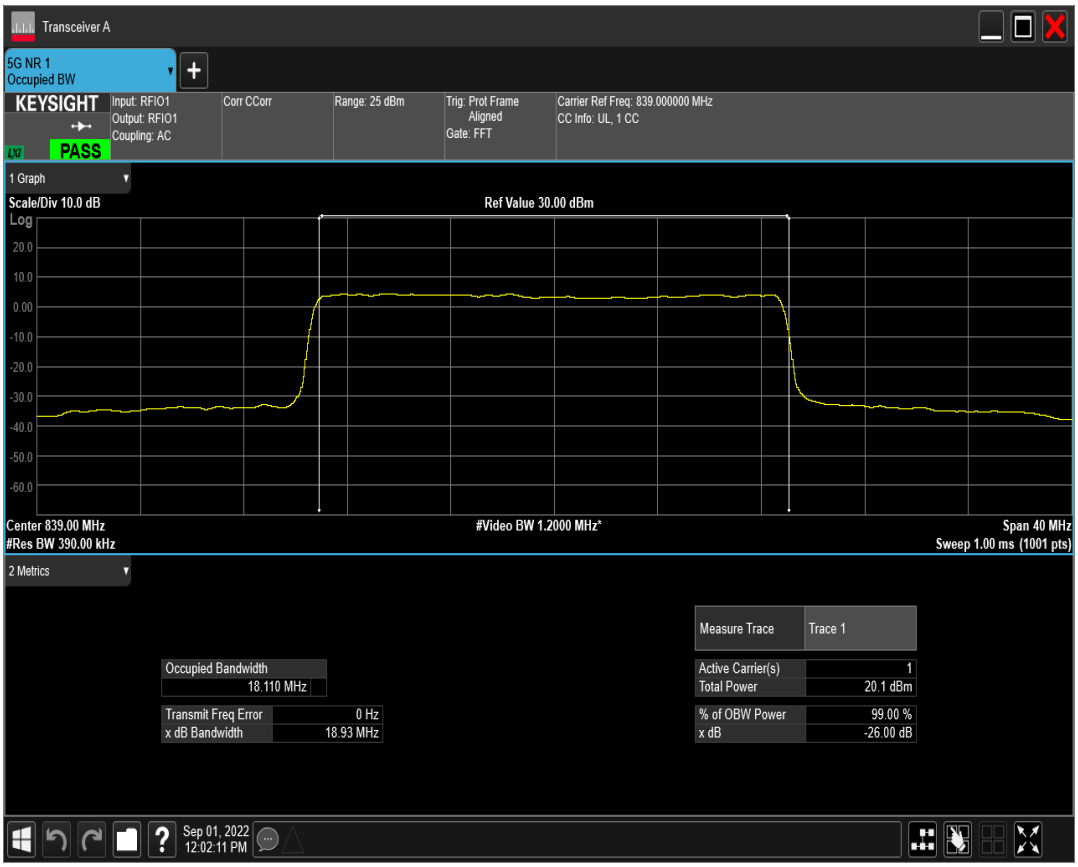

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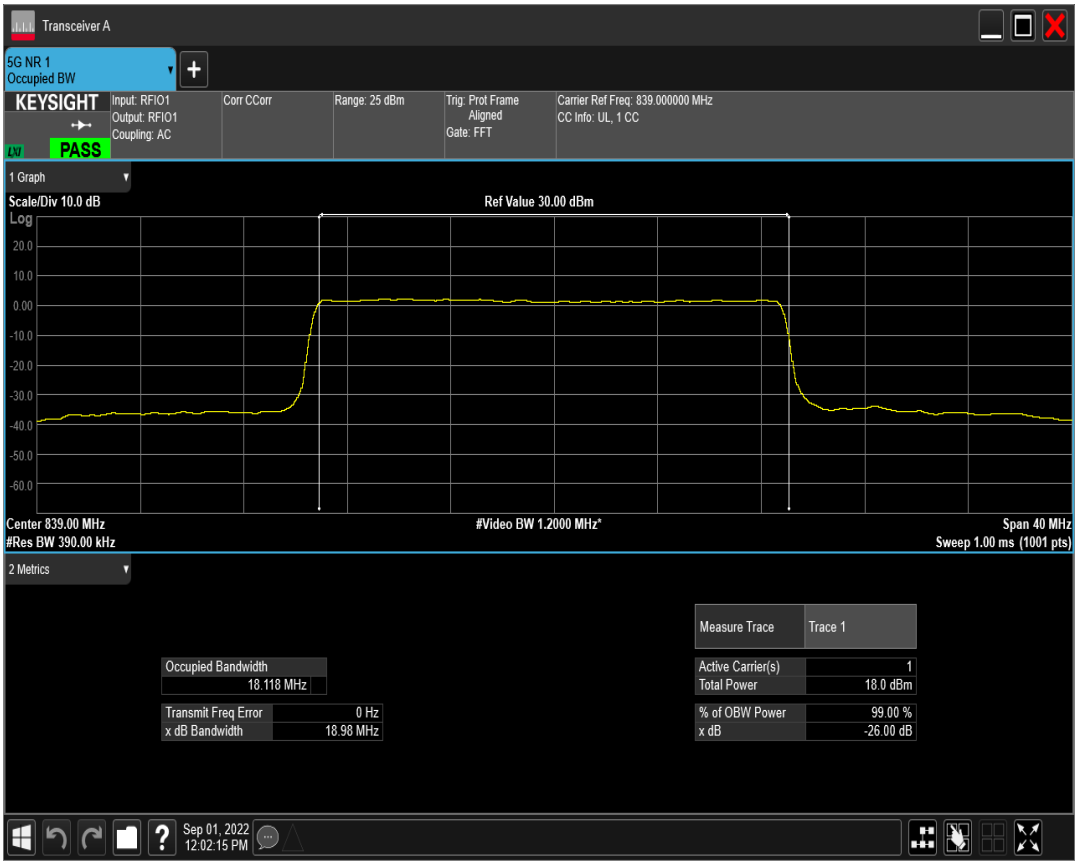
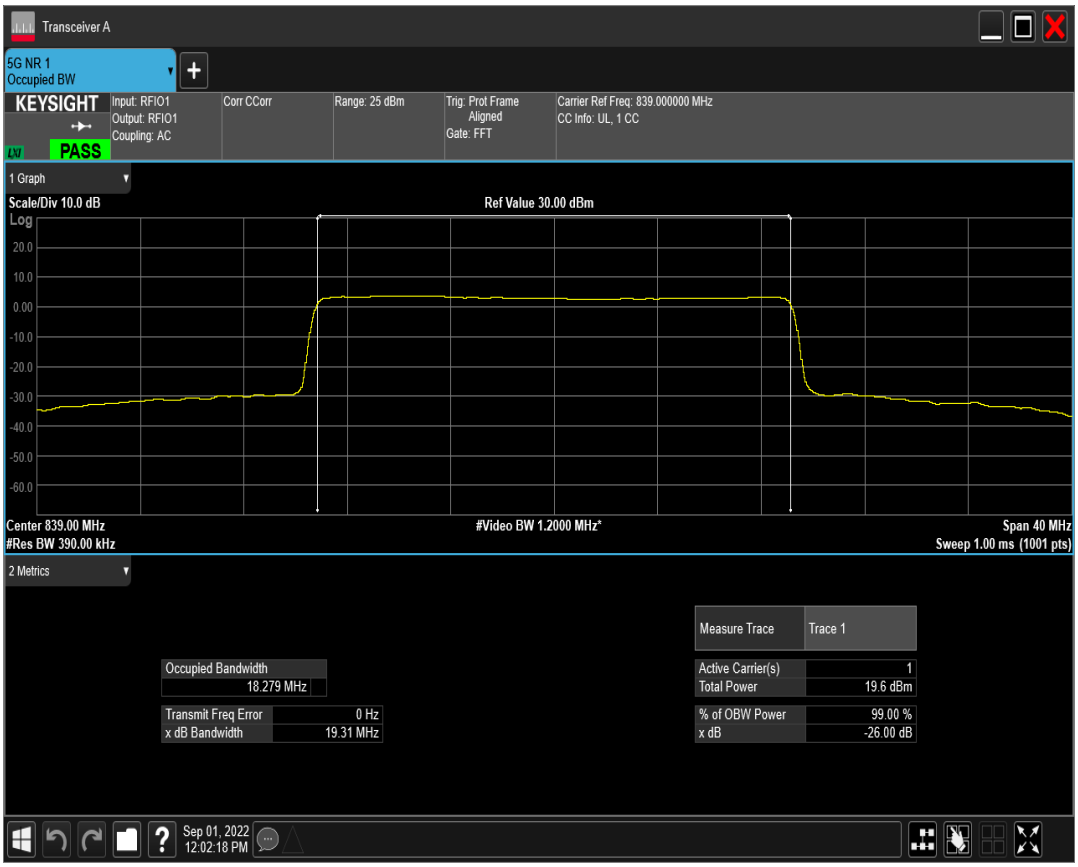


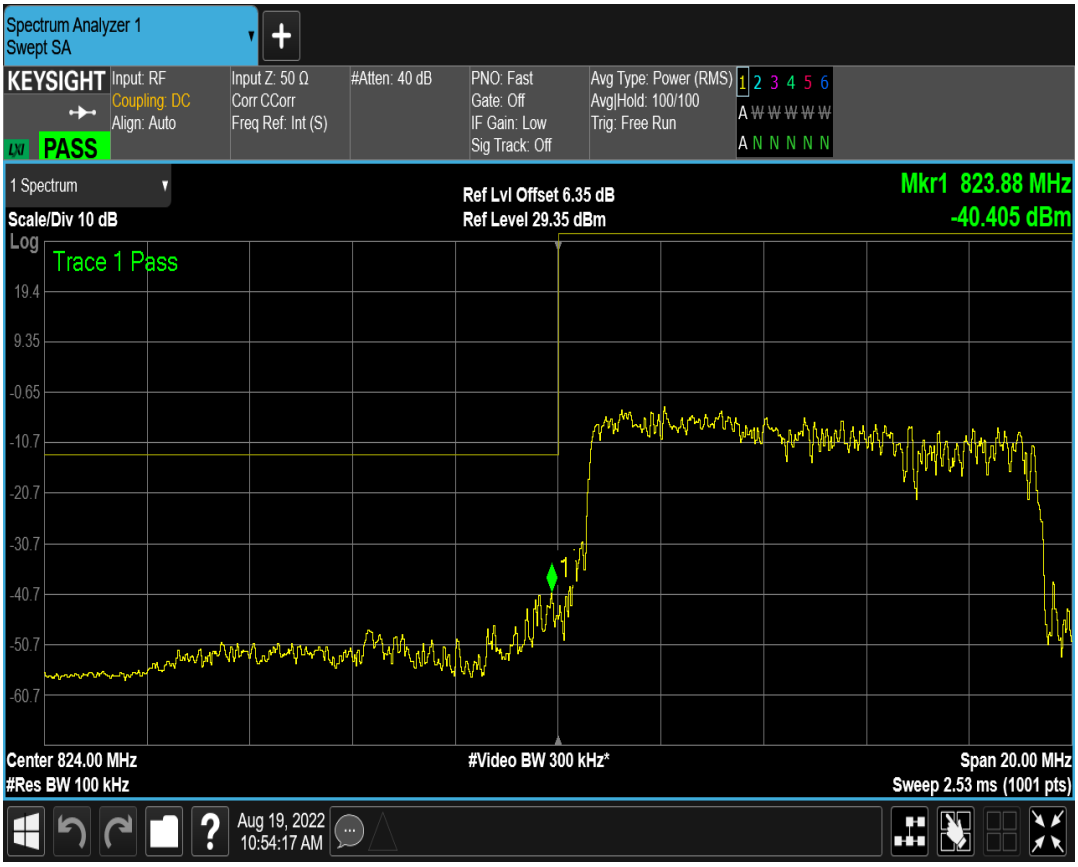
n5 SCS=30kHz CP_QPSK BW=20MHz Channel=167800 RB=51@0



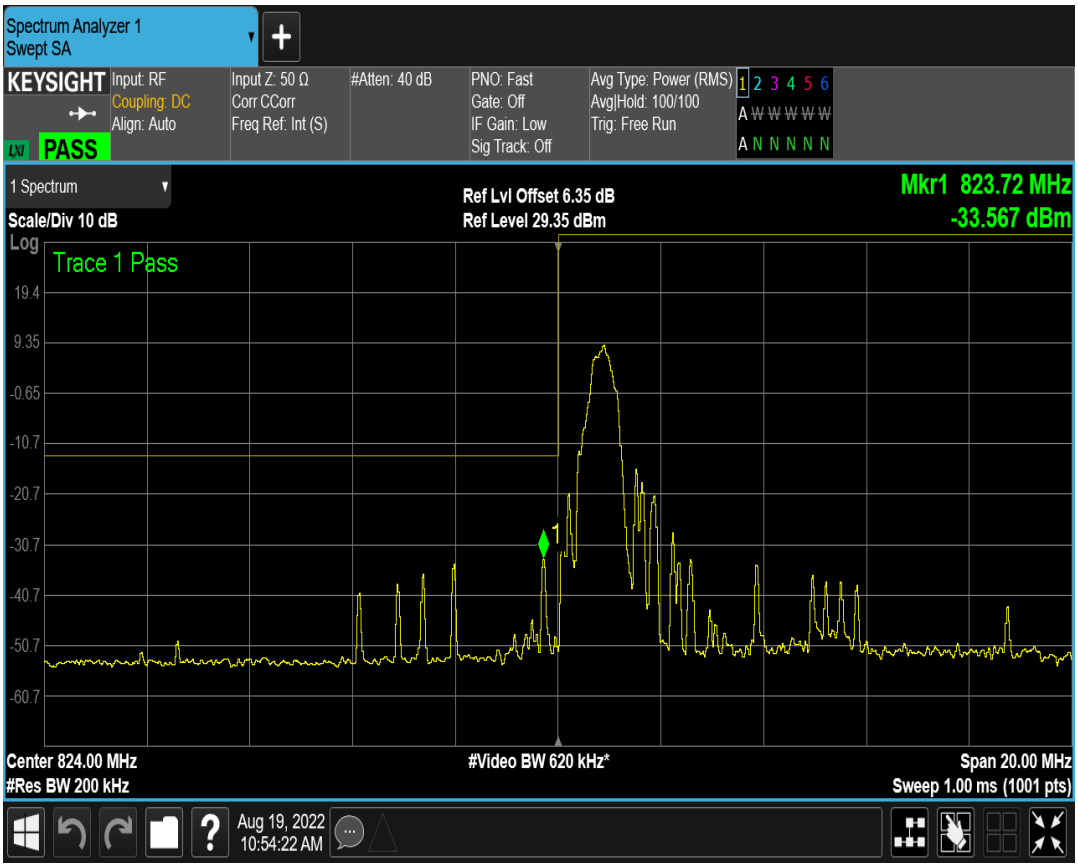
5 Band edge for NR FR1

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
n5	30	10	165800	24@0	DFT_QPSK	823.88	-40.40	-13	PASS
n5	30	10	165800	1@0	DFT_QPSK	823.72	-33.56	-13	PASS
n5	30	10	168800	24@0	DFT_QPSK	849.10	-44.24	-13	PASS
n5	30	10	168800	1@23	DFT_QPSK	849.34	-40.74	-13	PASS
n5	30	20	166800	50@0	DFT_QPSK	823.56	-43.35	-13	PASS
n5	30	20	166800	1@0	DFT_QPSK	823.60	-36.43	-13	PASS
n5	30	20	167800	50@0	DFT_QPSK	849.28	-45.06	-13	PASS
n5	30	20	167800	1@50	DFT_QPSK	849.00	-31.31	-13	PASS

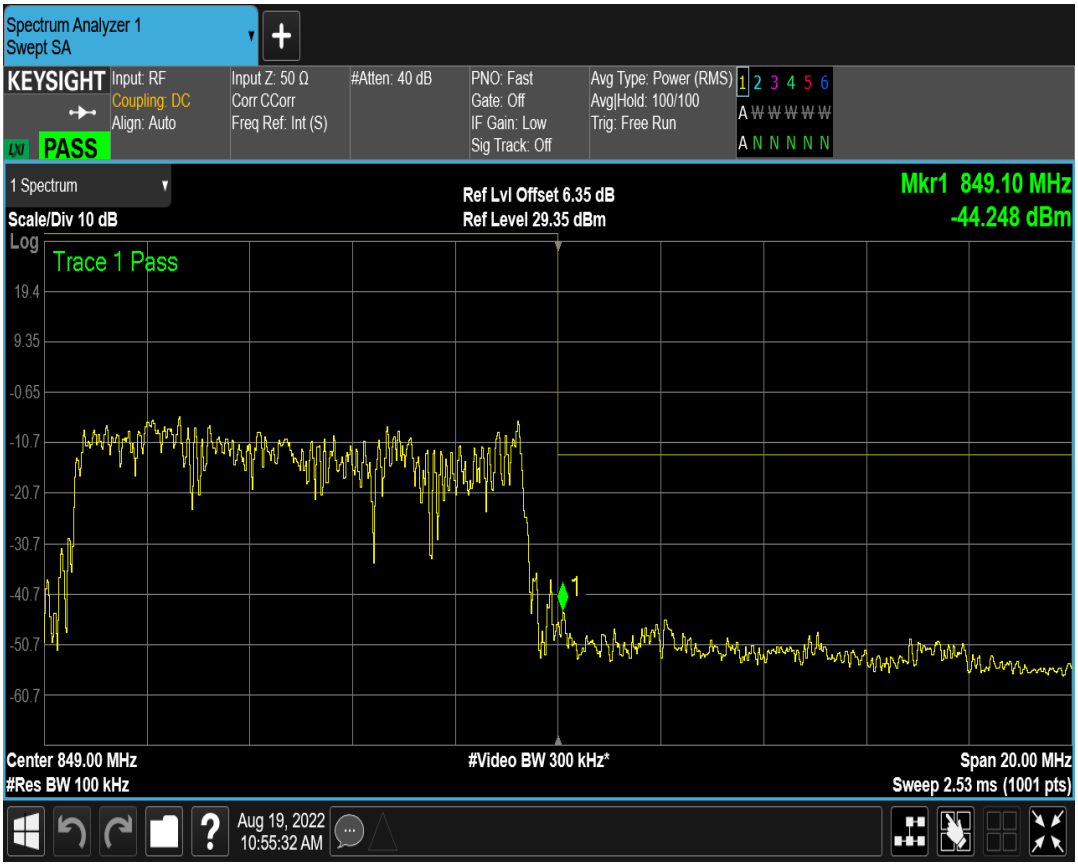
n5 SCS=30kHz DFT_QPSK BW=10MHz Channel=165800 RB=24@0



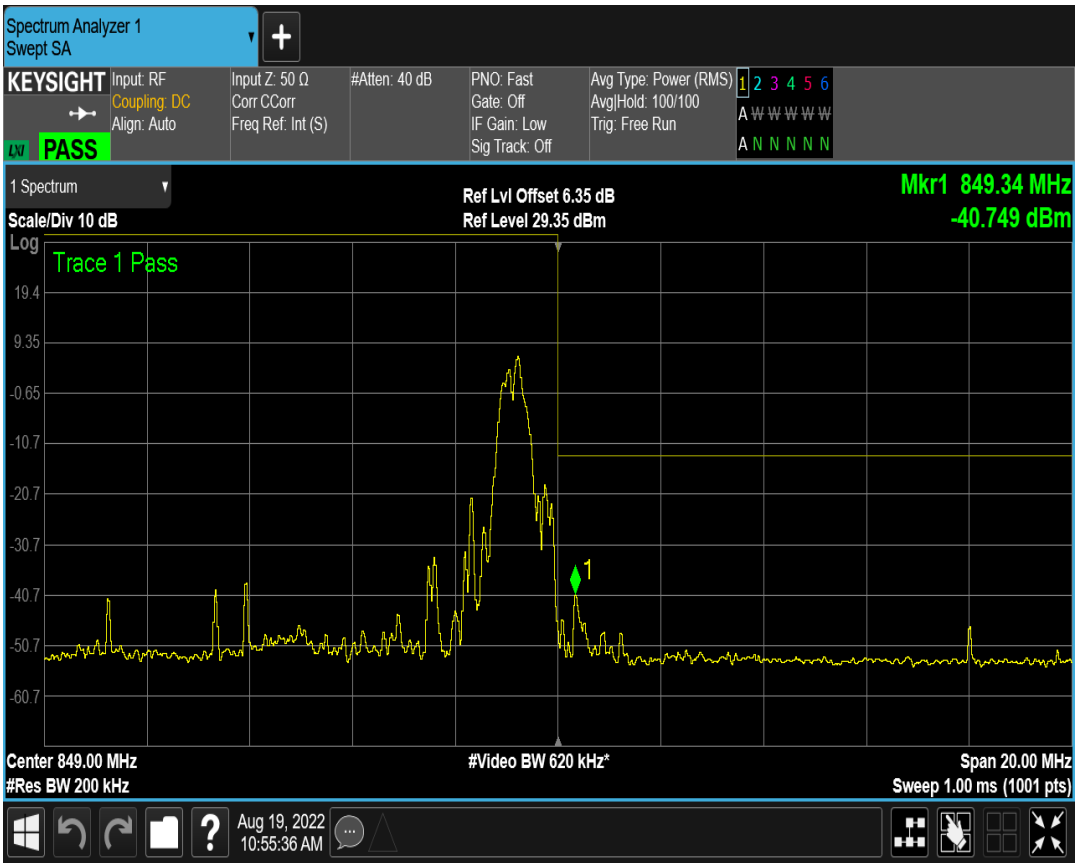
n5 SCS=30kHz DFT_QPSK BW=10MHz Channel=165800 RB=1@0



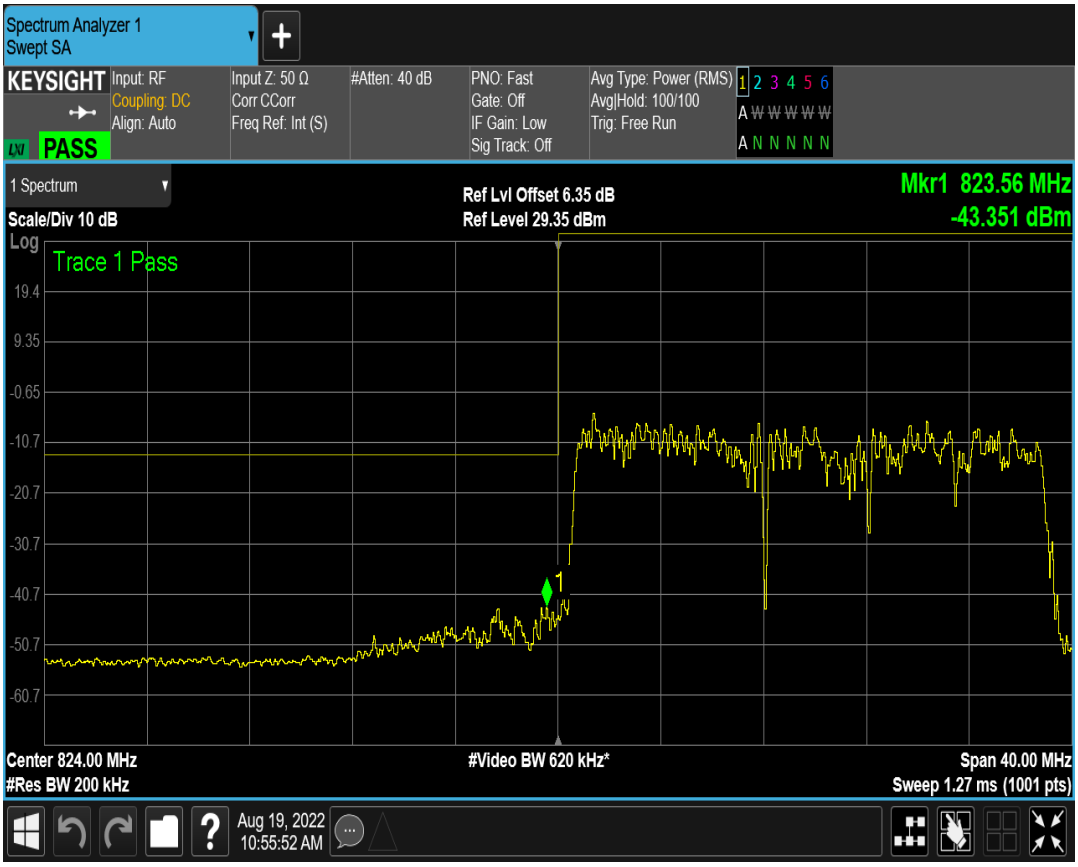
n5 SCS=30kHz DFT_QPSK BW=10MHz Channel=168800 RB=24@0



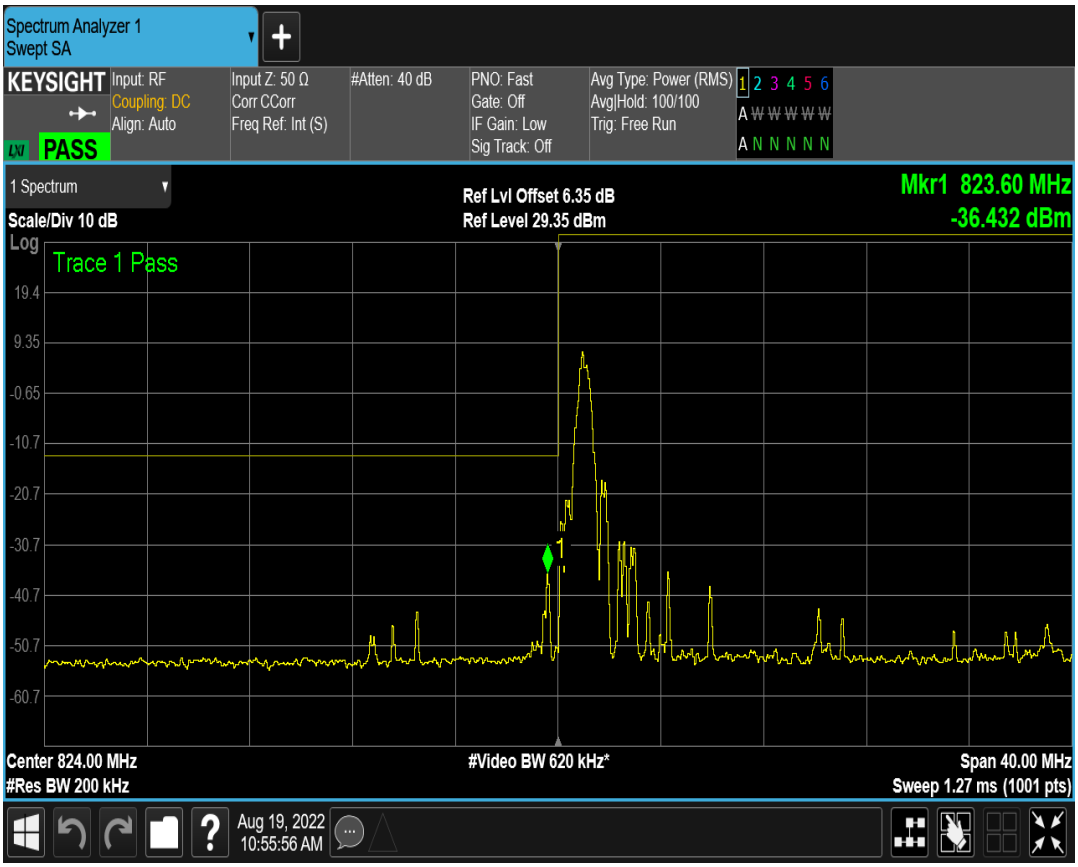
n5 SCS=30kHz DFT_QPSK BW=10MHz Channel=168800 RB=1@23



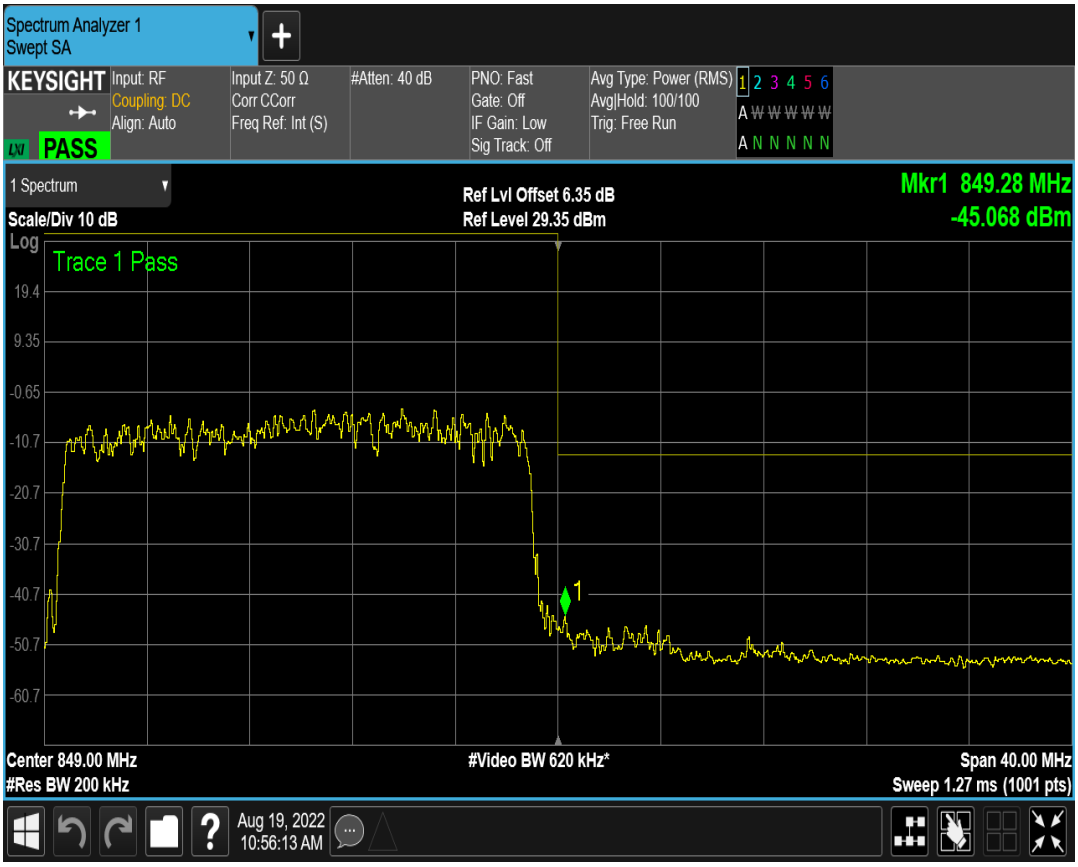
n5 SCS=30kHz DFT_QPSK BW=20MHz Channel=166800 RB=50@0



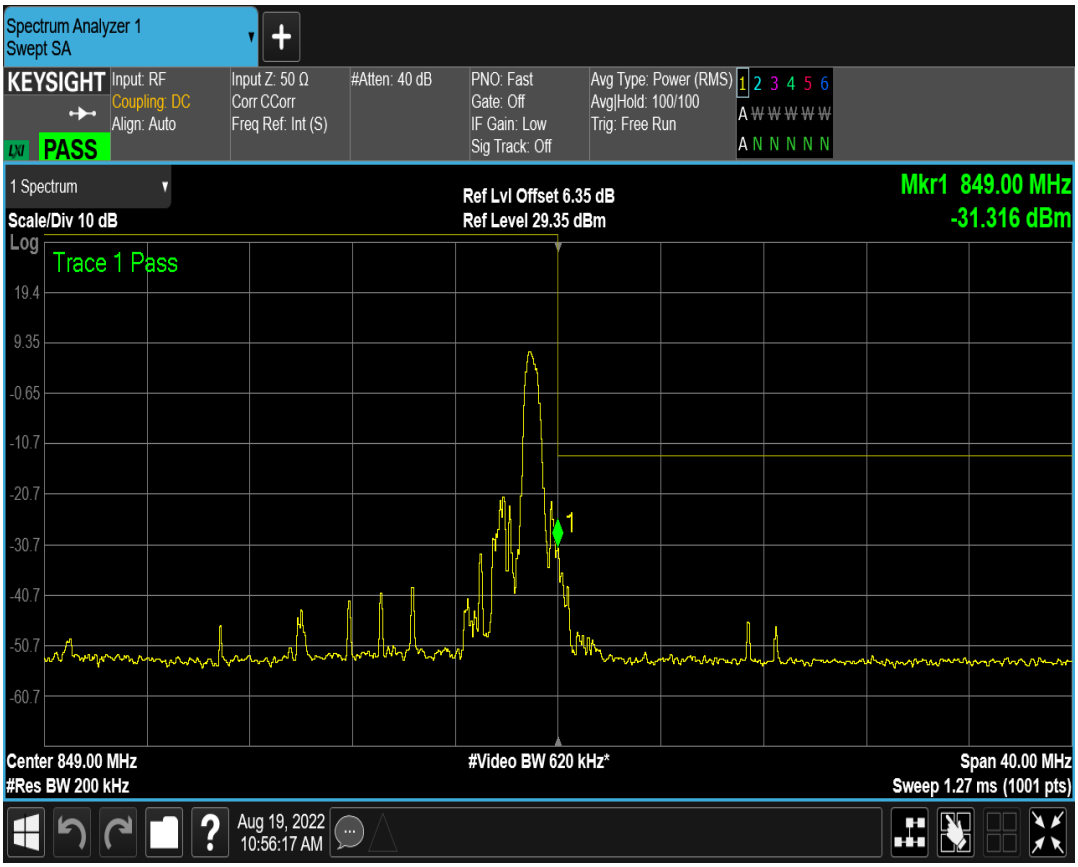
n5 SCS=30kHz DFT_QPSK BW=20MHz Channel=166800 RB=1@0



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



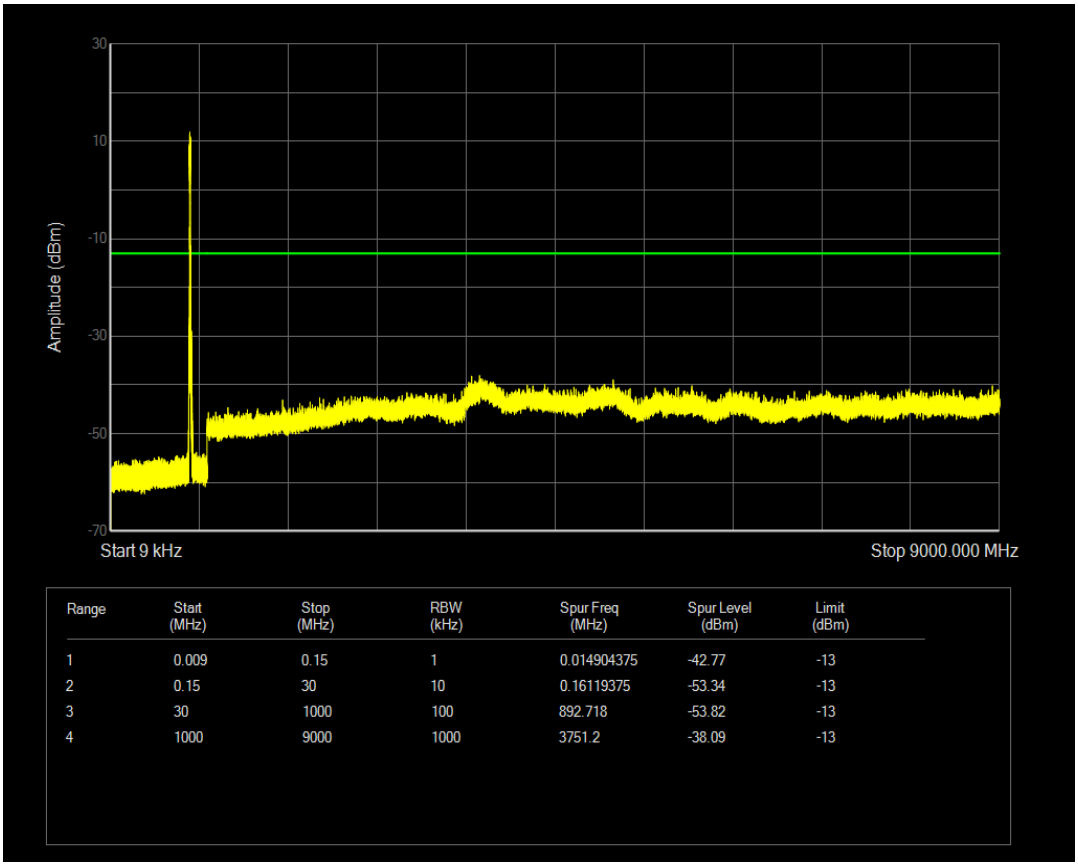
n5 SCS=30kHz DFT_QPSK BW=20MHz Channel=167800 RB=1@50



6 Out-of-band emissions for NR FR1

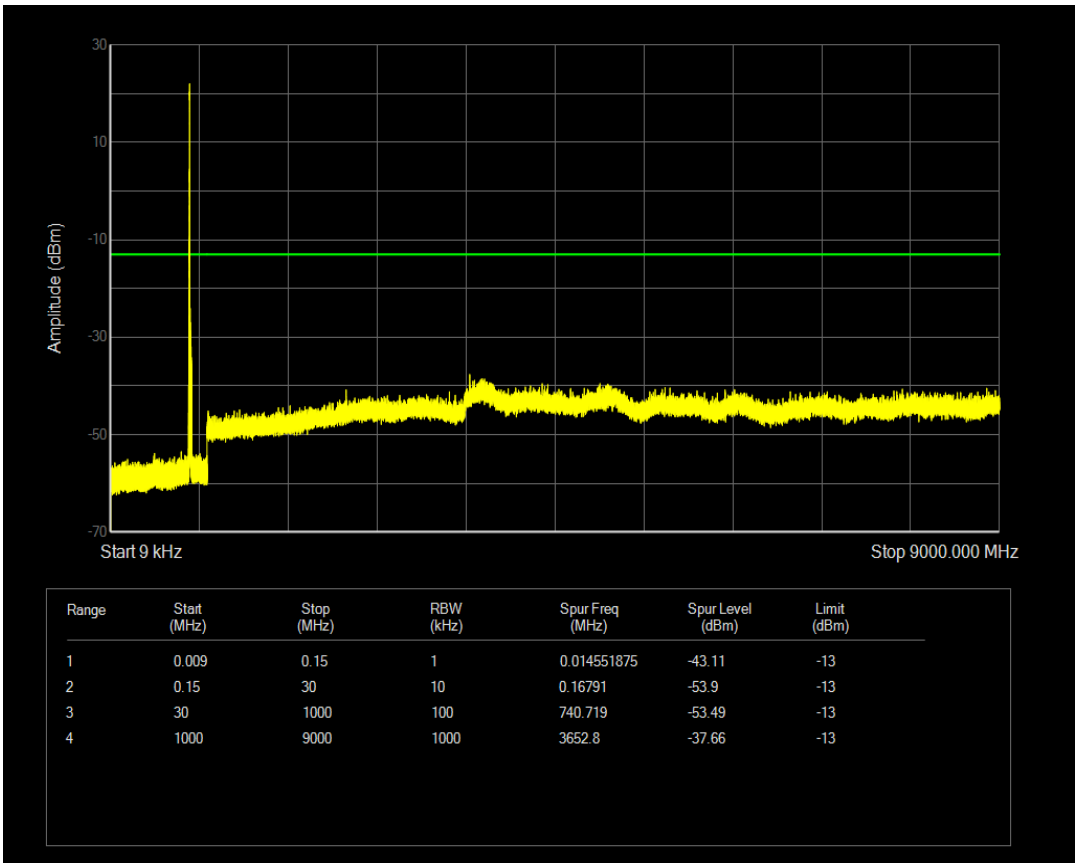
Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
n5	30	10	165800	24@0	DFT_QPSK	3751.20	-38.09	-13	PASS
n5	30	10	165800	1@0	DFT_QPSK	3652.80	-37.66	-13	PASS
n5	30	10	165800	1@23	DFT_QPSK	3766.80	-38.03	-13	PASS
n5	30	10	167300	24@0	DFT_QPSK	3739.80	-38.52	-13	PASS
n5	30	10	167300	1@0	DFT_QPSK	3783.40	-37.45	-13	PASS
n5	30	10	167300	1@23	DFT_QPSK	3820.00	-37.29	-13	PASS
n5	30	10	168800	24@0	DFT_QPSK	3709.80	-37.35	-13	PASS
n5	30	10	168800	1@0	DFT_QPSK	3814.40	-38.43	-13	PASS
n5	30	10	168800	1@23	DFT_QPSK	3773.80	-38.17	-13	PASS
n5	30	20	166800	50@0	DFT_QPSK	3832.00	-37.98	-13	PASS
n5	30	20	166800	1@0	DFT_QPSK	3851.80	-38.07	-13	PASS
n5	30	20	166800	1@50	DFT_QPSK	3788.60	-38.11	-13	PASS
n5	30	20	167300	50@0	DFT_QPSK	3838.40	-37.79	-13	PASS
n5	30	20	167300	1@0	DFT_QPSK	3708.80	-38.43	-13	PASS
n5	30	20	167300	1@50	DFT_QPSK	3772.20	-37.97	-13	PASS
n5	30	20	167800	50@0	DFT_QPSK	3728.60	-38.06	-13	PASS
n5	30	20	167800	1@0	DFT_QPSK	3754.40	-38.43	-13	PASS
n5	30	20	167800	1@50	DFT_QPSK	3772.80	-37.30	-13	PASS

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



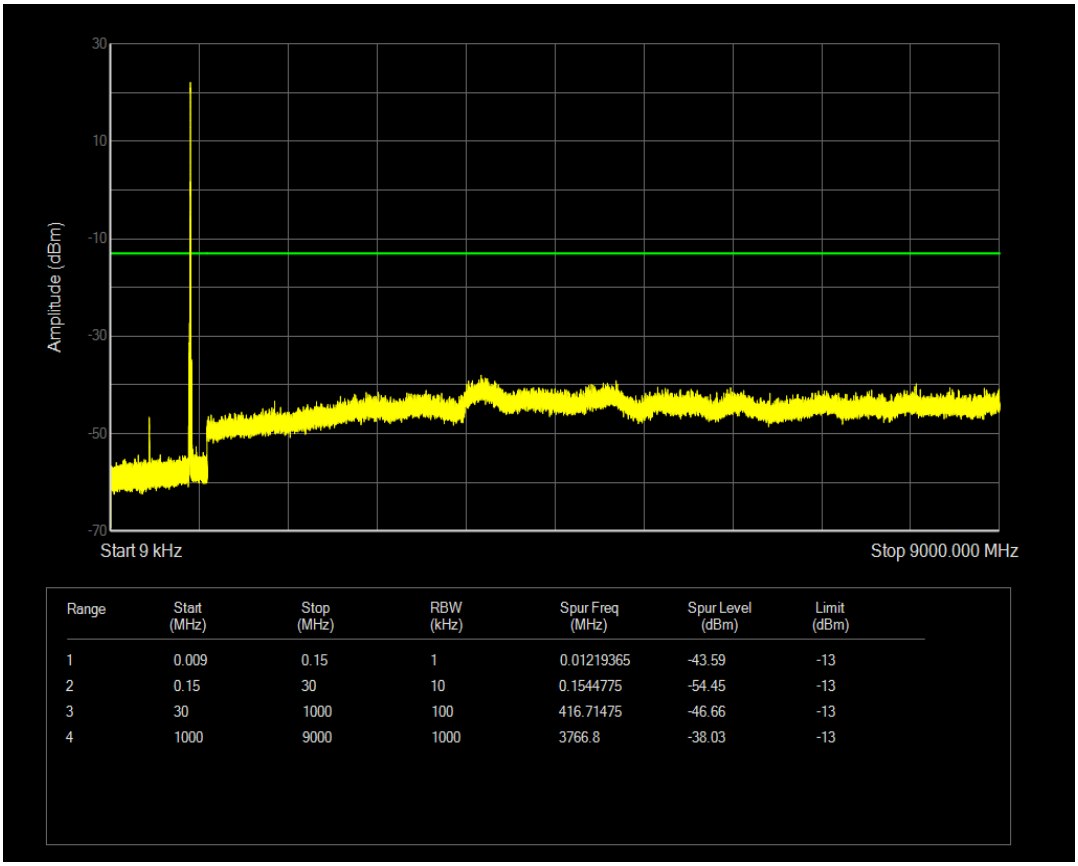
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.014904375	-42.77	-13
2	0.15	30	10	0.16119375	-53.34	-13
3	30	1000	100	892.718	-53.82	-13
4	1000	9000	1000	3751.2	-38.09	-13

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



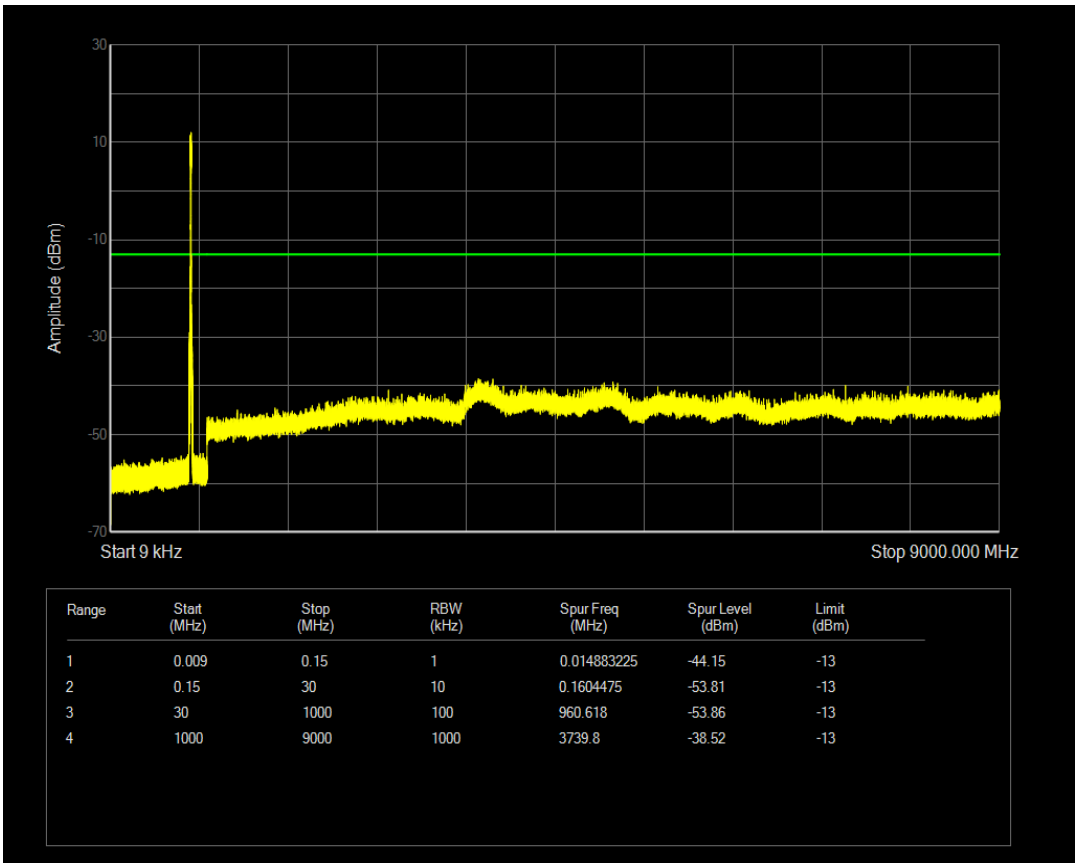
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.014551875	-43.11	-13
2	0.15	30	10	0.16791	-53.9	-13
3	30	1000	100	740.719	-53.49	-13
4	1000	9000	1000	3652.8	-37.66	-13

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



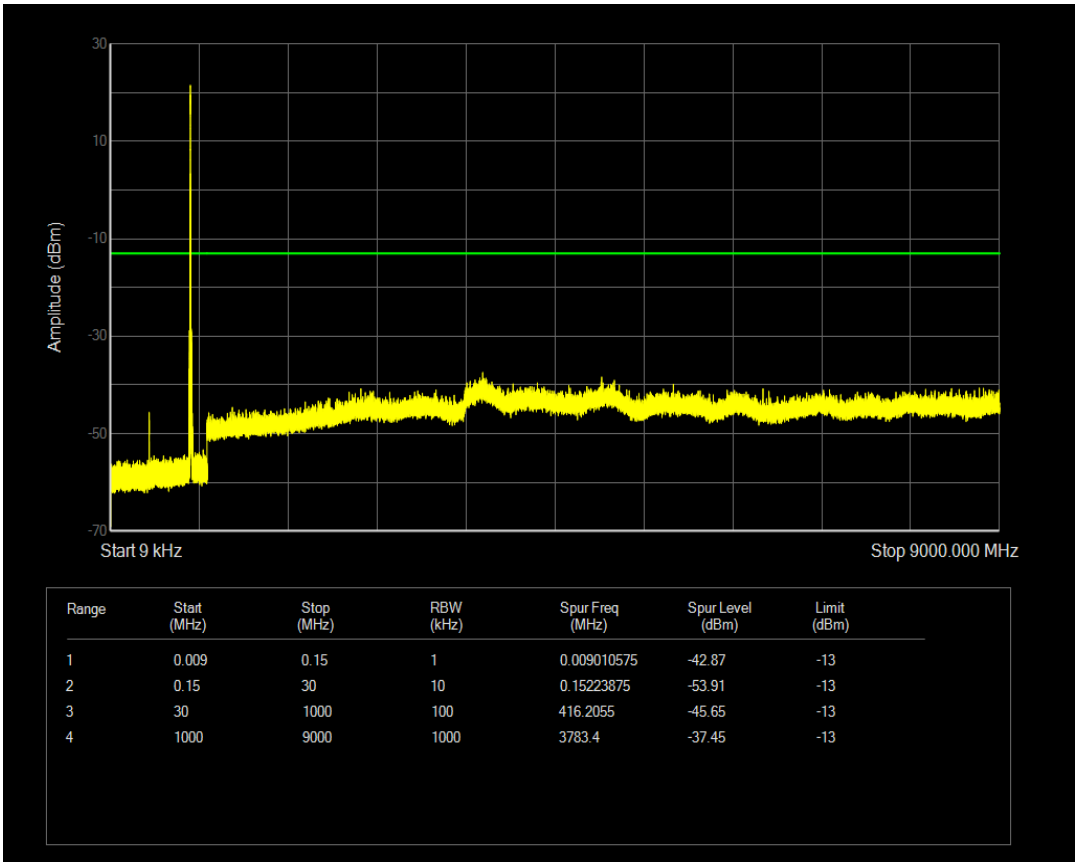
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01219365	-43.59	-13
2	0.15	30	10	0.1544775	-54.45	-13
3	30	1000	100	416.71475	-46.66	-13
4	1000	9000	1000	3766.8	-38.03	-13

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



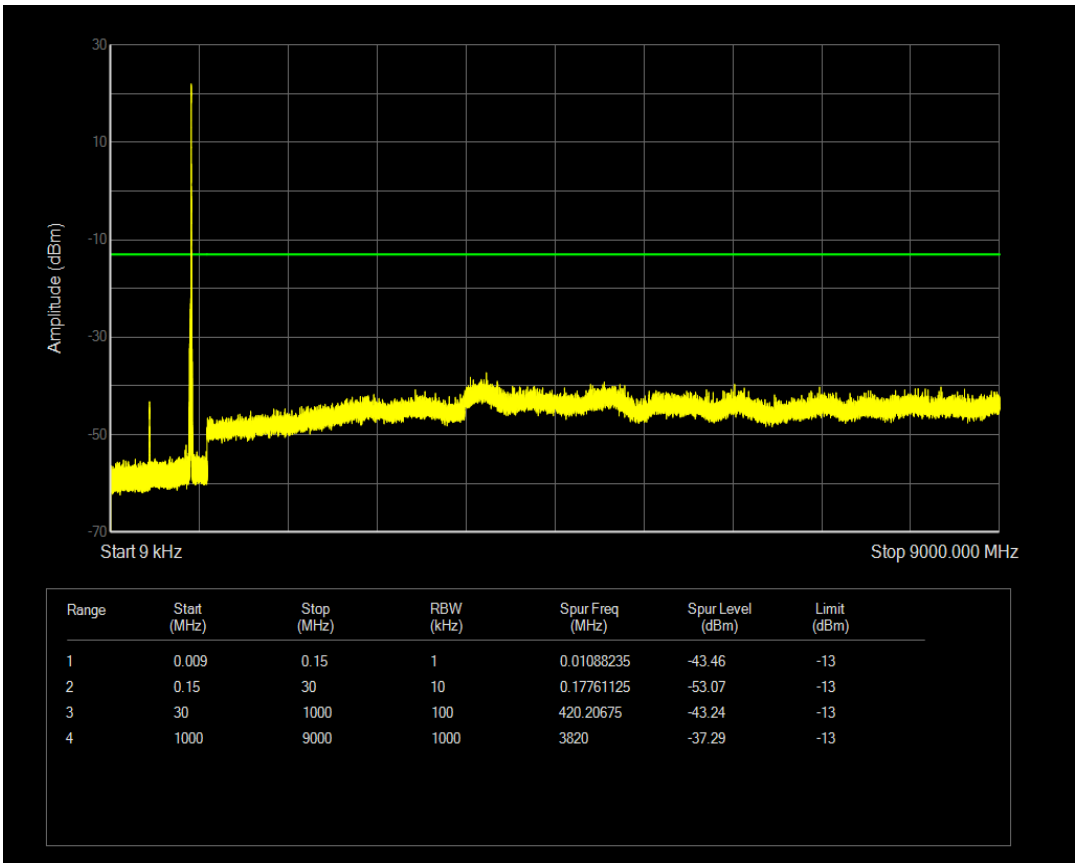
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.014883225	-44.15	-13
2	0.15	30	10	0.1604475	-53.81	-13
3	30	1000	100	960.618	-53.86	-13
4	1000	9000	1000	3739.8	-38.52	-13

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



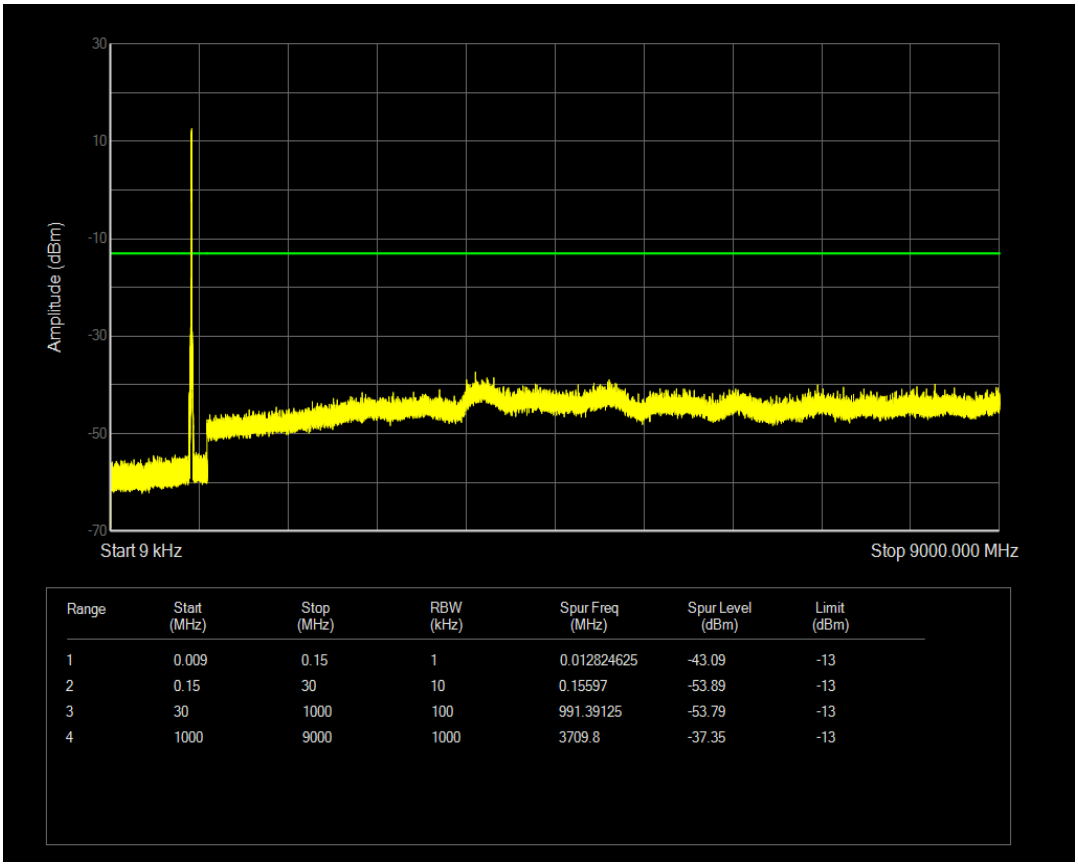
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009010575	-42.87	-13
2	0.15	30	10	0.15223875	-53.91	-13
3	30	1000	100	416.2055	-45.65	-13
4	1000	9000	1000	3783.4	-37.45	-13

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



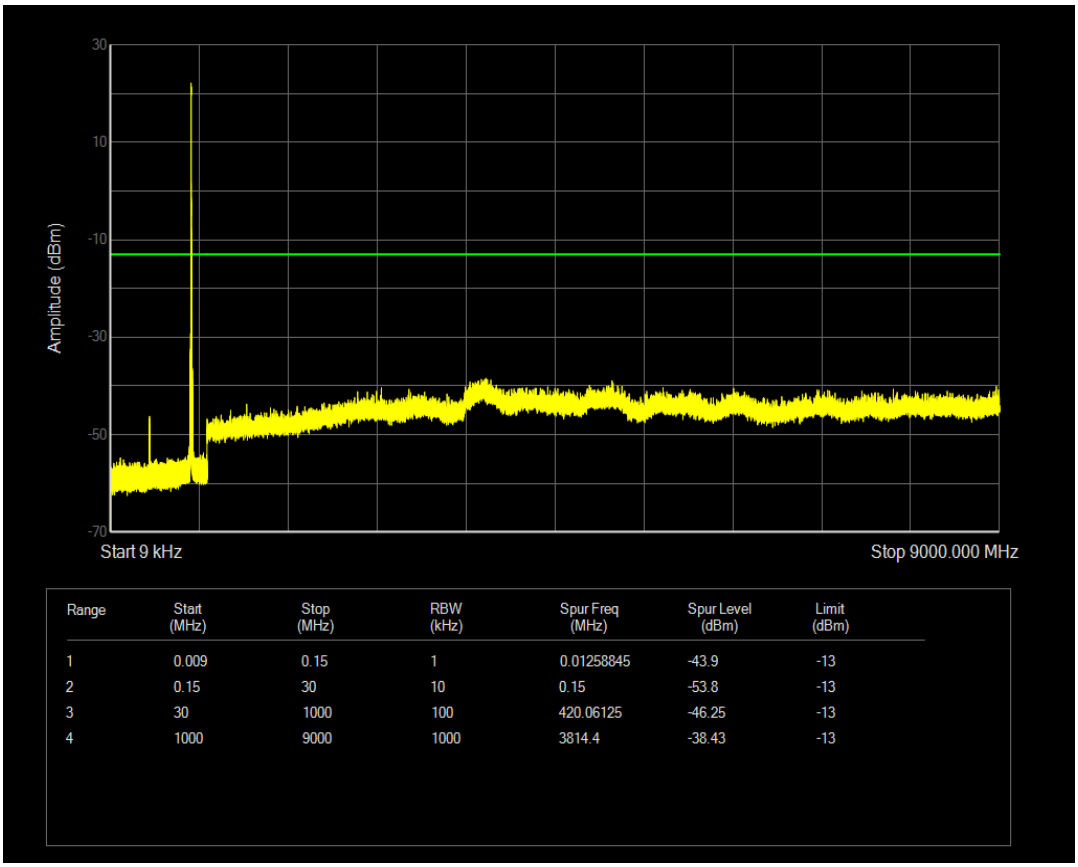
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01088235	-43.46	-13
2	0.15	30	10	0.17761125	-53.07	-13
3	30	1000	100	420.20675	-43.24	-13
4	1000	9000	1000	3820	-37.29	-13

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



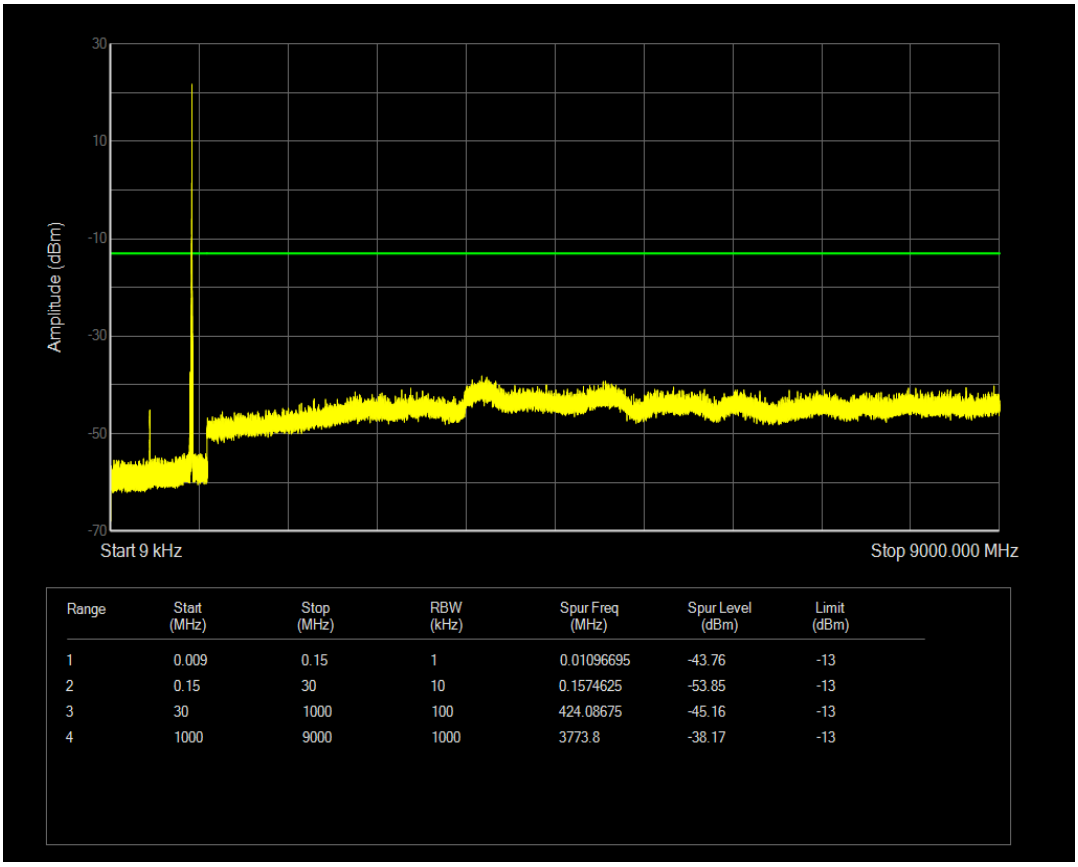
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.012824625	-43.09	-13
2	0.15	30	10	0.15597	-53.89	-13
3	30	1000	100	991.39125	-53.79	-13
4	1000	9000	1000	3709.8	-37.35	-13

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



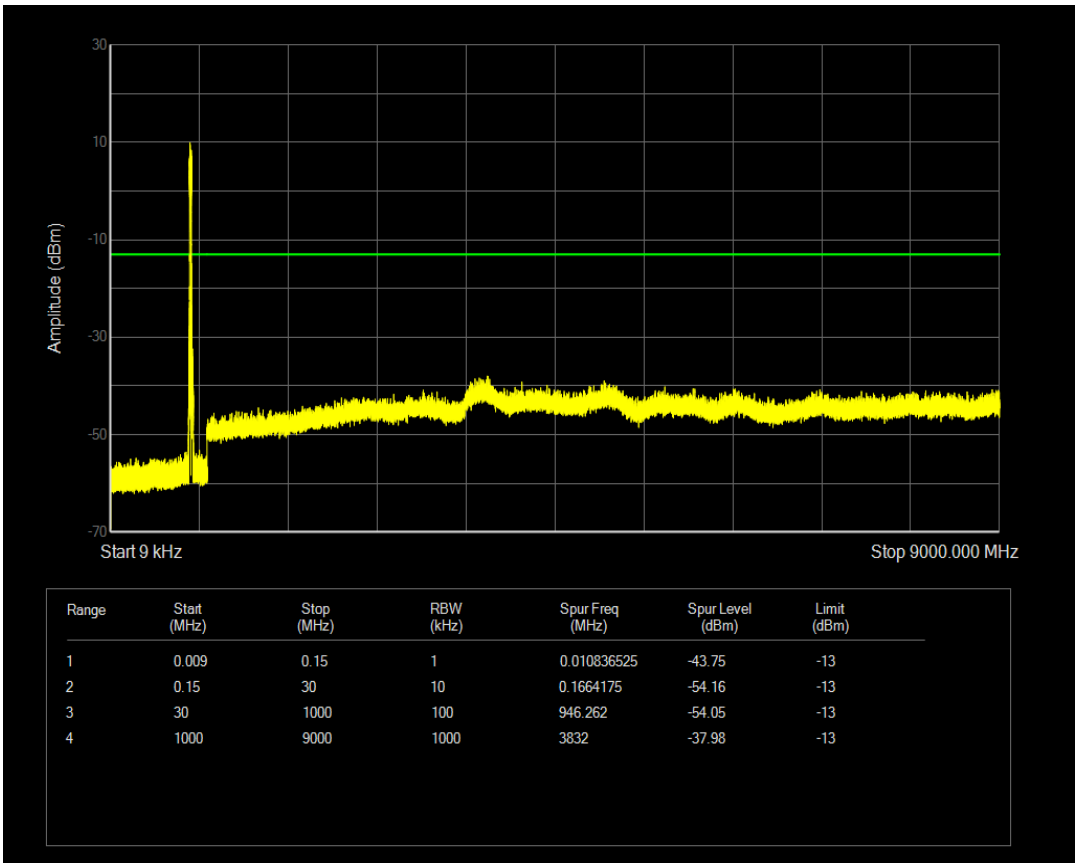
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01258845	-43.9	-13
2	0.15	30	10	0.15	-53.8	-13
3	30	1000	100	420.06125	-46.25	-13
4	1000	9000	1000	3814.4	-38.43	-13

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



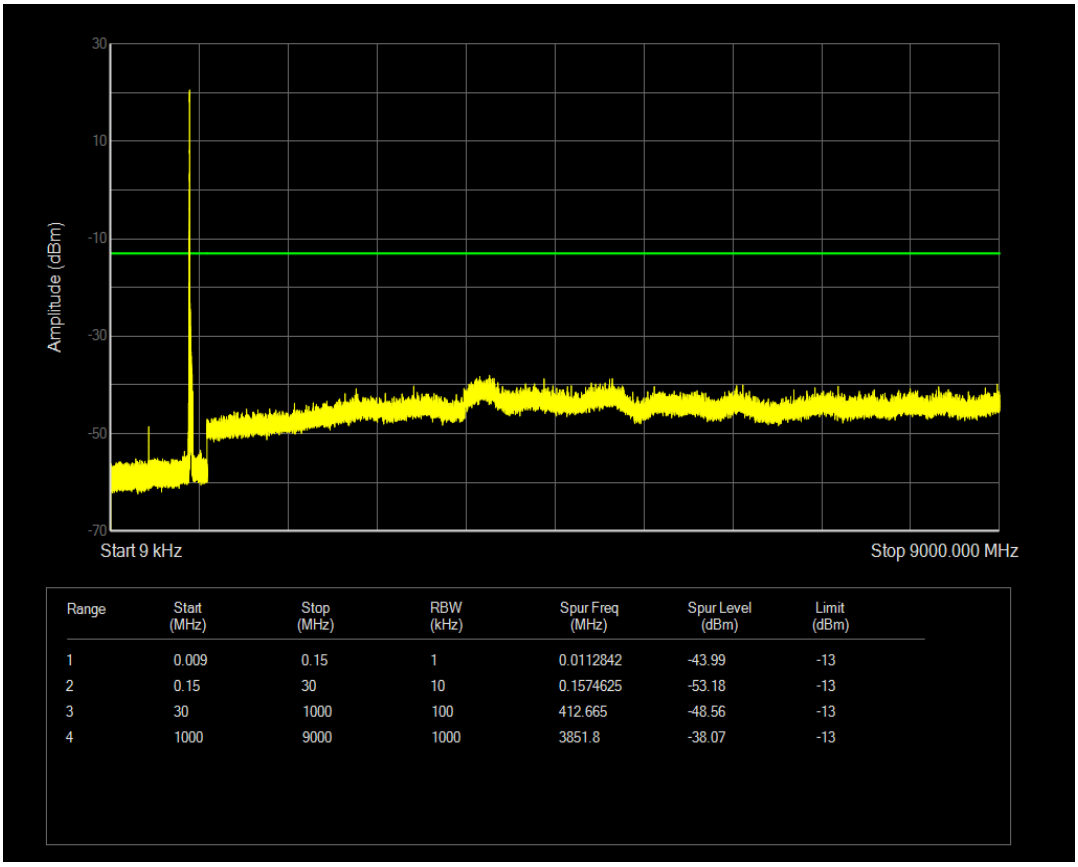
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01096695	-43.76	-13
2	0.15	30	10	0.1574625	-53.85	-13
3	30	1000	100	424.08675	-45.16	-13
4	1000	9000	1000	3773.8	-38.17	-13

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



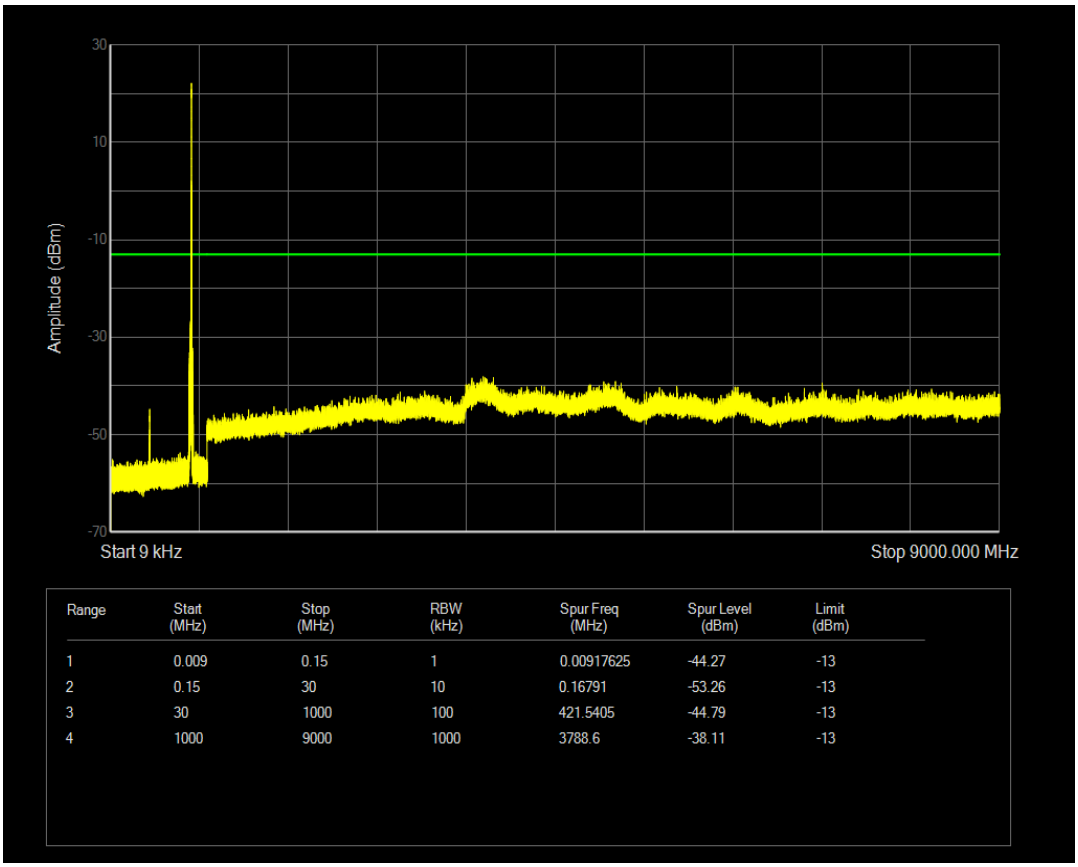
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.010836525	-43.75	-13
2	0.15	30	10	0.1664175	-54.16	-13
3	30	1000	100	946.262	-54.05	-13
4	1000	9000	1000	3832	-37.98	-13

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



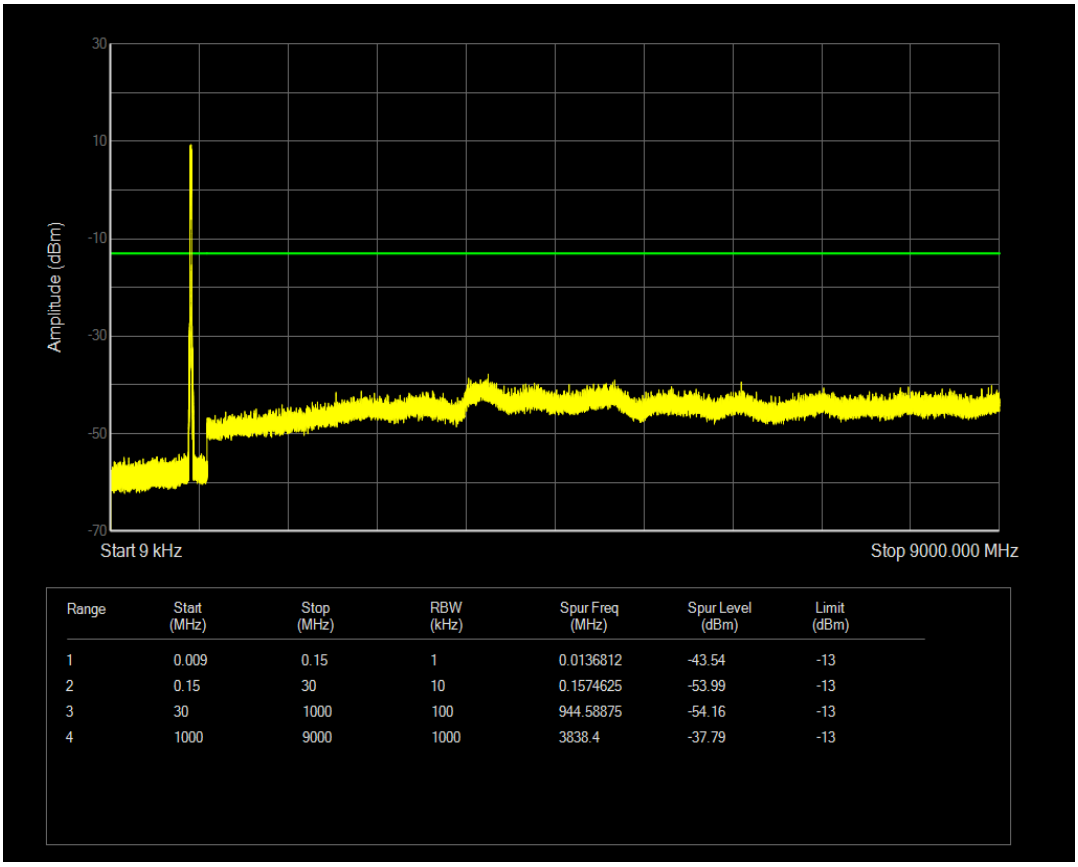
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0112842	-43.99	-13
2	0.15	30	10	0.1574625	-53.18	-13
3	30	1000	100	412.665	-48.56	-13
4	1000	9000	1000	3851.8	-38.07	-13

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



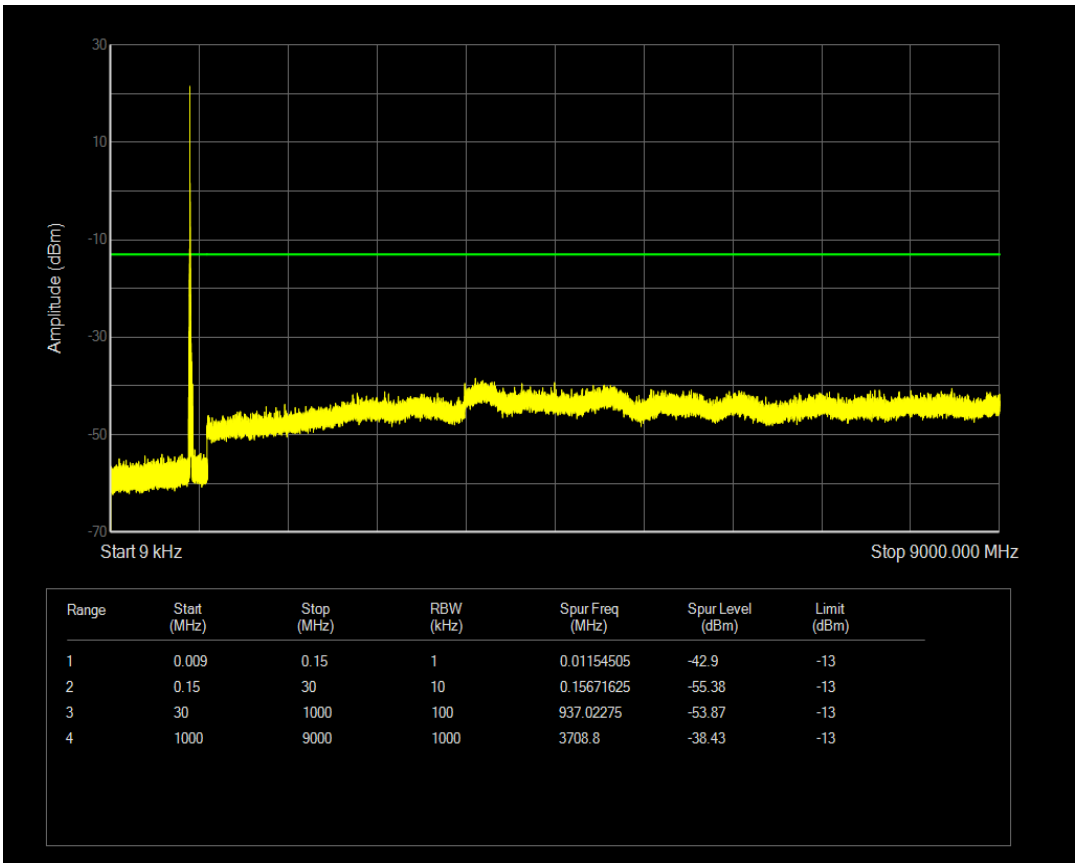
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.00917625	-44.27	-13
2	0.15	30	10	0.16791	-53.26	-13
3	30	1000	100	421.5405	-44.79	-13
4	1000	9000	1000	3788.6	-38.11	-13

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



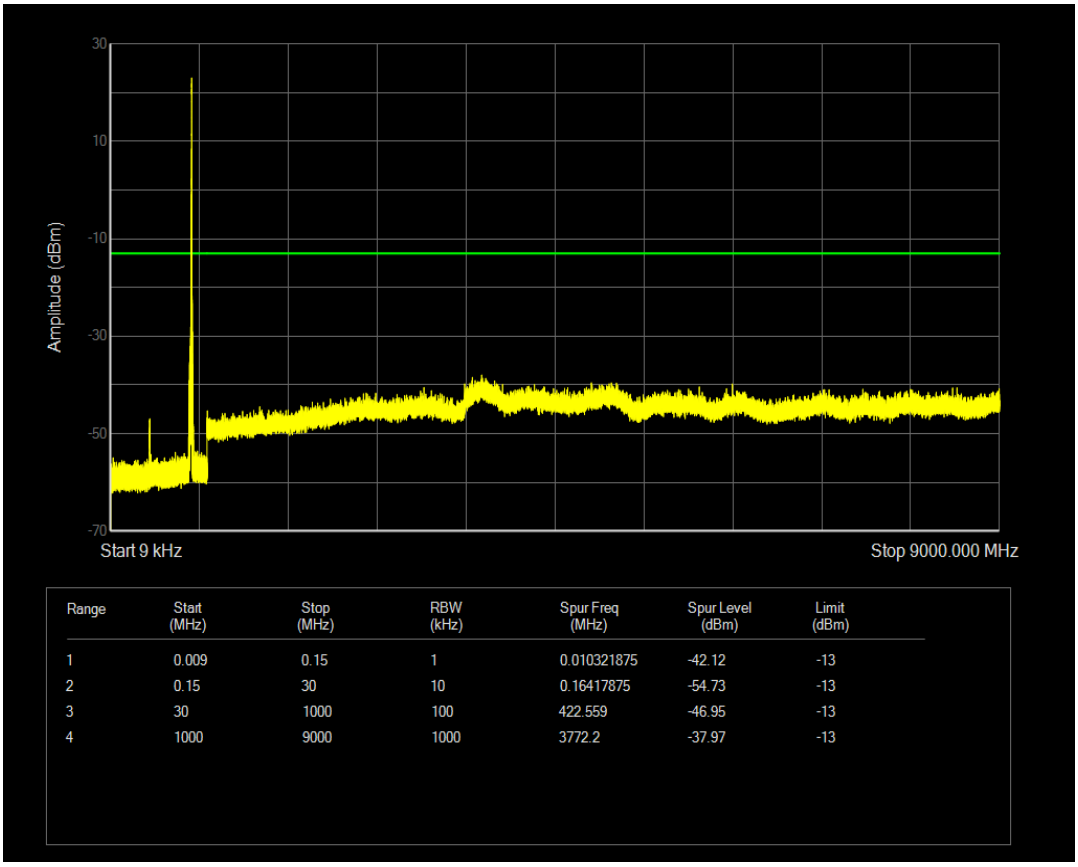
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0136812	-43.54	-13
2	0.15	30	10	0.1574625	-53.99	-13
3	30	1000	100	944.58875	-54.16	-13
4	1000	9000	1000	3838.4	-37.79	-13

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



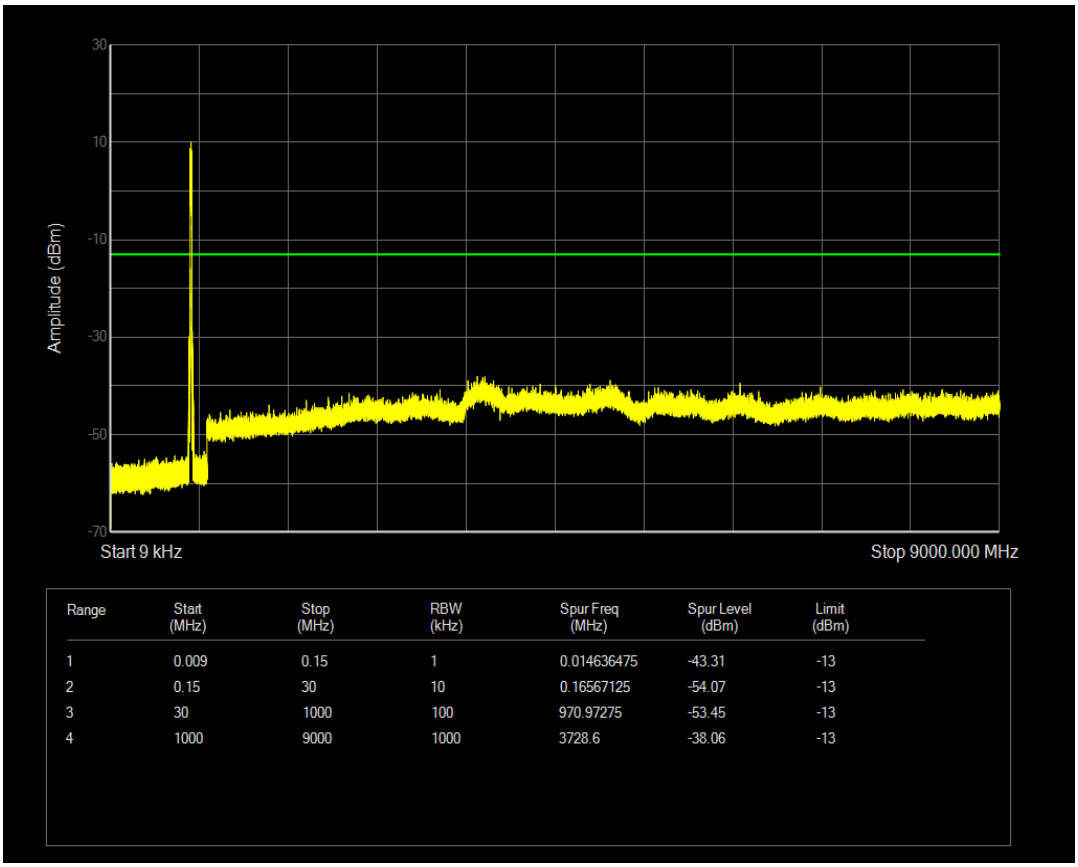
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01154505	-42.9	-13
2	0.15	30	10	0.15671625	-55.38	-13
3	30	1000	100	937.02275	-53.87	-13
4	1000	9000	1000	3708.8	-38.43	-13

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



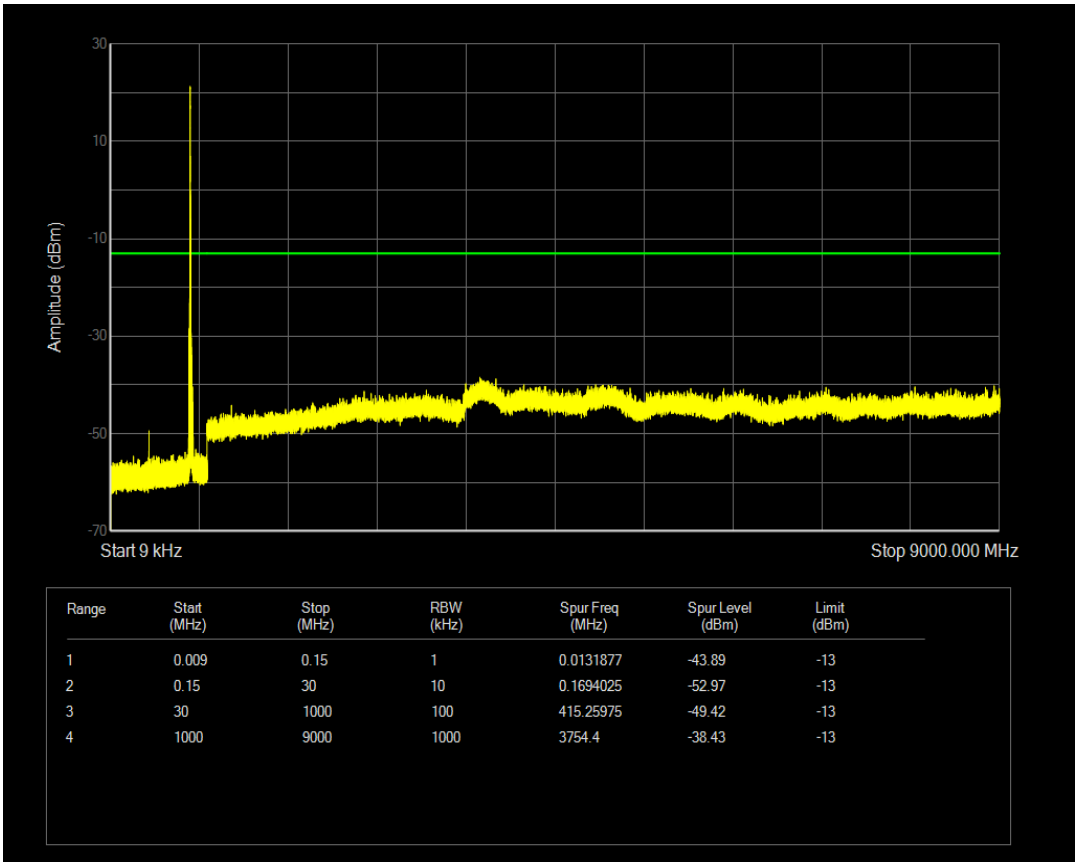
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.010321875	-42.12	-13
2	0.15	30	10	0.16417875	-54.73	-13
3	30	1000	100	422.559	-46.95	-13
4	1000	9000	1000	3772.2	-37.97	-13

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



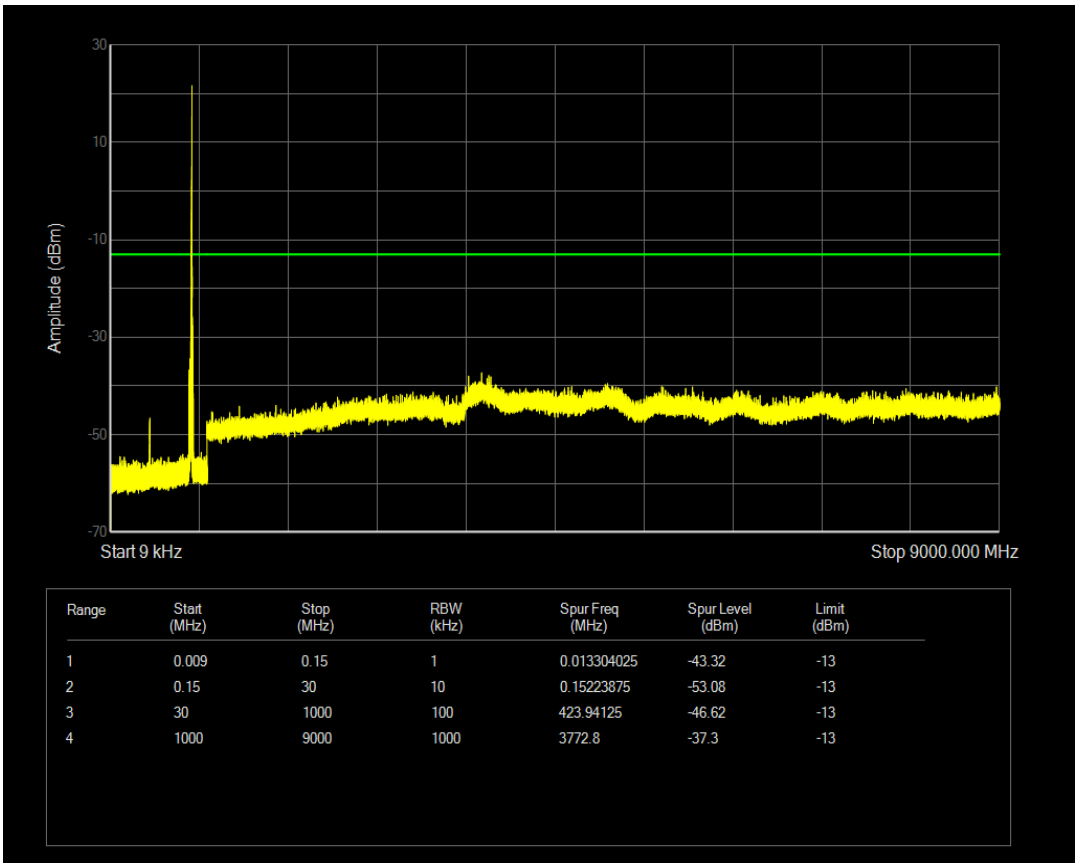
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.014636475	-43.31	-13
2	0.15	30	10	0.16567125	-54.07	-13
3	30	1000	100	970.97275	-53.45	-13
4	1000	9000	1000	3728.6	-38.06	-13

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	0.0131877	-43.89	-13
2	0.15	30	10	0.1694025	-52.97	-13
3	30	1000	100	415.25975	-49.42	-13
4	1000	9000	1000	3754.4	-38.43	-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	0.013304025	-43.32	-13
2	0.15	30	10	0.15223875	-53.08	-13
3	30	1000	100	423.94125	-46.62	-13
4	1000	9000	1000	3772.8	-37.3	-13