1 Conducted output power for NR FR1

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Power (dBm)	Gain (dBm)	EIRP (dBm)	EIRP Limit (dBm)	Verdict
n38	30	10	515000	12@6	DFT_BPSK	23.83	-0.38	23.45	33	PASS
n38	30	10	515000	1@1	DFT_BPSK	23.82	-0.38	23.44	33	PASS
n38	30	10	515000	1@22	DFT_BPSK	23.83	-0.38	23.45	33	PASS
n38	30	10	515000	12@6	DFT_QPSK	23.87	-0.38	23.49	33	PASS
n38	30	10	515000	1@1	DFT_QPSK	23.59	-0.38	23.21	33	PASS
n38	30	10	515000	1@22	DFT_QPSK	23.73	-0.38	23.35	33	PASS
n38	30	10	515000	12@6	DFT_QAM16	23.01	-0.38	22.63	33	PASS
n38	30	10	515000	1@1	DFT_QAM16	22.99	-0.38	22.61	33	PASS
n38	30	10	515000	1@22	DFT_QAM16	23.04	-0.38	22.66	33	PASS
n38	30	10	515000	12@6	DFT_QAM64	21.31	-0.38	20.93	33	PASS
n38	30	10	515000	1@1	DFT_QAM64	21.42	-0.38	21.04	33	PASS
n38	30	10	515000	1@22	DFT_QAM64	21.43	-0.38	21.05	33	PASS
n38	30	10	515000	12@6	DFT_QAM256	19.47	-0.38	19.09	33	PASS
n38	30	10	515000	1@1	DFT_QAM256	19.37	-0.38	18.99	33	PASS
n38	30	10	515000	1@22	DFT_QAM256	19.14	-0.38	18.76	33	PASS
n38	30	10	515000	12@6	CP_QPSK	22.26	-0.38	21.88	33	PASS
n38	30	10	515000	1@1	CP_QPSK	22.22	-0.38	21.84	33	PASS
n38	30	10	515000	1@22	CP_QPSK	22.09	-0.38	21.71	33	PASS
n38	30	10	515000	12@6	CP_QAM16	21.84	-0.38	21.46	33	PASS
n38	30	10	515000	1@1	CP_QAM16	22.16	-0.38	21.78	33	PASS
n38	30	10	515000	1@22	CP_QAM16	22.24	-0.38	21.86	33	PASS
n38	30	10	515000	12@6	CP_QAM64	20.41	-0.38	20.03	33	PASS
n38	30	10	515000	1@1	CP_QAM64	20.45	-0.38	20.07	33	PASS
n38	30	10	515000	1@22	CP_QAM64	20.66	-0.38	20.28	33	PASS
n38	30	10	515000	12@6	CP_QAM256	17.31	-0.38	16.93	33	PASS
n38	30	10	515000	1@1	CP_QAM256	17.48	-0.38	17.1	33	PASS
n38	30	10	515000	1@22	CP_QAM256	17.58	-0.38	17.2	33	PASS
n38	30	10	519000	12@6	DFT_BPSK	23.78	-0.38	23.4	33	PASS
n38	30	10	519000	1@1	DFT_BPSK	23.73	-0.38	23.35	33	PASS
n38	30	10	519000	1@22	DFT_BPSK	23.76	-0.38	23.38	33	PASS
n38	30	10	519000	12@6	DFT_QPSK	23.79	-0.38	23.41	33	PASS
n38	30	10	519000	1@1	DFT_QPSK	23.68	-0.38	23.3	33	PASS
n38	30	10	519000	1@22	DFT_QPSK	23.64	-0.38	23.26	33	PASS
n38	30	10	519000	12@6	DFT_QAM16	23.00	-0.38	22.62	33	PASS
n38	30	10	519000	1@1	DFT_QAM16	23.26	-0.38	22.88	33	PASS
n38	30	10	519000	1@22	DFT_QAM16	23.18	-0.38	22.8	33	PASS
n38	30	10	519000	12@6	DFT_QAM64	21.32	-0.38	20.94	33	PASS
n38	30	10	519000	1@1	DFT_QAM64	21.43	-0.38	21.05	33	PASS

n38	30	10	519000	1@22	DFT_QAM64	21.34	-0.38	20.96	33	PASS
n38	30	10	519000	12@6	DFT_QAM256	19.43	-0.38	19.05	33	PASS
n38	30	10	519000	1@1	DFT_QAM256	19.36	-0.38	18.98	33	PASS
n38	30	10	519000	1@22	DFT_QAM256	19.39	-0.38	19.01	33	PASS
n38	30	10	519000	12@6	CP_QPSK	22.26	-0.38	21.88	33	PASS
n38	30	10	519000	1@1	CP_QPSK	22.25	-0.38	21.87	33	PASS
n38	30	10	519000	1@22	CP_QPSK	22.06	-0.38	21.68	33	PASS
n38	30	10	519000	12@6	CP_QAM16	21.74	-0.38	21.36	33	PASS
n38	30	10	519000	1@1	CP_QAM16	21.86	-0.38	21.48	33	PASS
n38	30	10	519000	1@22	CP_QAM16	21.88	-0.38	21.5	33	PASS
n38	30	10	519000	12@6	CP_QAM64	20.47	-0.38	20.09	33	PASS
n38	30	10	519000	1@1	CP_QAM64	20.45	-0.38	20.07	33	PASS
n38	30	10	519000	1@22	CP_QAM64	20.47	-0.38	20.09	33	PASS
n38	30	10	519000	12@6	CP_QAM256	17.25	-0.38	16.87	33	PASS
n38	30	10	519000	1@1	CP_QAM256	17.75	-0.38	17.37	33	PASS
n38	30	10	519000	1@22	CP_QAM256	17.84	-0.38	17.46	33	PASS
n38	30	10	523000	12@6	DFT_BPSK	23.89	-0.38	23.51	33	PASS
n38	30	10	523000	1@1	DFT_BPSK	23.82	-0.38	23.44	33	PASS
n38	30	10	523000	1@22	DFT_BPSK	23.81	-0.38	23.43	33	PASS
n38	30	10	523000	12@6	DFT_QPSK	23.87	-0.38	23.49	33	PASS
n38	30	10	523000	1@1	DFT_QPSK	23.74	-0.38	23.36	33	PASS
n38	30	10	523000	1@22	DFT_QPSK	23.68	-0.38	23.3	33	PASS
n38	30	10	523000	12@6	DFT_QAM16	22.99	-0.38	22.61	33	PASS
n38	30	10	523000	1@1	DFT_QAM16	23.26	-0.38	22.88	33	PASS
n38	30	10	523000	1@22	DFT_QAM16	23.04	-0.38	22.66	33	PASS
n38	30	10	523000	12@6	DFT_QAM64	21.40	-0.38	21.02	33	PASS
n38	30	10	523000	1@1	DFT_QAM64	21.54	-0.38	21.16	33	PASS
n38	30	10	523000	1@22	DFT_QAM64	21.38	-0.38	21	33	PASS
n38	30	10	523000	12@6	DFT_QAM256	19.42	-0.38	19.04	33	PASS
n38	30	10	523000	1@1	DFT_QAM256	19.15	-0.38	18.77	33	PASS
n38	30	10	523000	1@22	DFT_QAM256	19.10	-0.38	18.72	33	PASS
n38	30	10	523000	12@6	CP_QPSK	22.26	-0.38	21.88	33	PASS
n38	30	10	523000	1@1	CP_QPSK	22.23	-0.38	21.85	33	PASS
n38	30	10	523000	1@22	CP_QPSK	22.12	-0.38	21.74	33	PASS
n38	30	10	523000	12@6	CP_QAM16	21.77	-0.38	21.39	33	PASS
n38	30	10	523000	1@1	CP_QAM16	22.32	-0.38	21.94	33	PASS
n38	30	10	523000	1@22	CP_QAM16	22.24	-0.38	21.86	33	PASS
n38	30	10	523000	12@6	CP_QAM64	20.40	-0.38	20.02	33	PASS
n38	30	10	523000	1@1	CP_QAM64	20.33	-0.38	19.95	33	PASS
n38	30	10	523000	1@22	CP_QAM64	20.58	-0.38	20.2	33	PASS
n38	30	10	523000	12@6	CP_QAM256	17.34	-0.38	16.96	33	PASS
n38	30	10	523000	1@1	CP_QAM256	17.69	-0.38	17.31	33	PASS
n38	30	10	523000	1@22	CP_QAM256	17.54	-0.38	17.16	33	PASS
n38	30	15	515500	18@9	DFT_BPSK	23.82	-0.38	23.44	33	PASS

n38	30	15	515500	1@1	DFT_BPSK	23.70	-0.38	23.32	33	PASS
n38	30	15	515500	1@36	DFT_BPSK	23.82	-0.38	23.44	33	PASS
n38	30	15	515500	18@9	DFT_QPSK	23.85	-0.38	23.47	33	PASS
n38	30	15	515500	1@1	DFT_QPSK	23.60	-0.38	23.22	33	PASS
n38	30	15	515500	1@36	DFT_QPSK	23.64	-0.38	23.26	33	PASS
n38	30	15	515500	18@9	DFT_QAM16	22.84	-0.38	22.46	33	PASS
n38	30	15	515500	1@1	DFT_QAM16	23.22	-0.38	22.84	33	PASS
n38	30	15	515500	1@36	DFT_QAM16	23.35	-0.38	22.97	33	PASS
n38	30	15	515500	18@9	DFT_QAM64	21.40	-0.38	21.02	33	PASS
n38	30	15	515500	1@1	DFT_QAM64	21.39	-0.38	21.01	33	PASS
n38	30	15	515500	1@36	DFT_QAM64	21.51	-0.38	21.13	33	PASS
n38	30	15	515500	18@9	DFT_QAM256	19.31	-0.38	18.93	33	PASS
n38	30	15	515500	1@1	DFT_QAM256	19.37	-0.38	18.99	33	PASS
n38	30	15	515500	1@36	DFT_QAM256	19.18	-0.38	18.8	33	PASS
n38	30	15	515500	19@9	CP_QPSK	22.30	-0.38	21.92	33	PASS
n38	30	15	515500	1@1	CP_QPSK	21.95	-0.38	21.57	33	PASS
n38	30	15	515500	1@36	CP_QPSK	22.12	-0.38	21.74	33	PASS
n38	30	15	515500	19@9	CP_QAM16	21.79	-0.38	21.41	33	PASS
n38	30	15	515500	1@1	CP_QAM16	22.11	-0.38	21.73	33	PASS
n38	30	15	515500	1@36	CP_QAM16	21.91	-0.38	21.53	33	PASS
n38	30	15	515500	19@9	CP_QAM64	20.29	-0.38	19.91	33	PASS
n38	30	15	515500	1@1	CP_QAM64	20.21	-0.38	19.83	33	PASS
n38	30	15	515500	1@36	CP_QAM64	20.36	-0.38	19.98	33	PASS
n38	30	15	515500	19@9	CP_QAM256	17.41	-0.38	17.03	33	PASS
n38	30	15	515500	1@1	CP_QAM256	17.40	-0.38	17.02	33	PASS
n38	30	15	515500	1@36	CP_QAM256	17.85	-0.38	17.47	33	PASS
n38	30	15	519000	18@9	DFT_BPSK	23.74	-0.38	23.36	33	PASS
n38	30	15	519000	1@1	DFT_BPSK	23.72	-0.38	23.34	33	PASS
n38	30	15	519000	1@36	DFT_BPSK	23.72	-0.38	23.34	33	PASS
n38	30	15	519000	18@9	DFT_QPSK	23.72	-0.38	23.34	33	PASS
n38	30	15	519000	1@1	DFT_QPSK	23.63	-0.38	23.25	33	PASS
n38	30	15	519000	1@36	DFT_QPSK	23.54	-0.38	23.16	33	PASS
n38	30	15	519000	18@9	DFT_QAM16	22.79	-0.38	22.41	33	PASS
n38	30	15	519000	1@1	DFT_QAM16	22.80	-0.38	22.42	33	PASS
n38	30	15	519000	1@36	DFT_QAM16	23.30	-0.38	22.92	33	PASS
n38	30	15	519000	18@9	DFT_QAM64	21.32	-0.38	20.94	33	PASS
n38	30	15	519000	1@1	DFT_QAM64	21.38	-0.38	21	33	PASS
n38	30	15	519000	1@36	DFT_QAM64	21.42	-0.38	21.04	33	PASS
n38	30	15	519000	18@9	DFT_QAM256	19.18	-0.38	18.8	33	PASS
n38	30	15	519000	1@1	DFT_QAM256	19.19	-0.38	18.81	33	PASS
n38	30	15	519000	1@36	DFT_QAM256	19.30	-0.38	18.92	33	PASS
n38	30	15	519000	19@9	CP_QPSK	22.24	-0.38	21.86	33	PASS
n38	30	15	519000	1@1	CP_QPSK	22.36	-0.38	21.98	33	PASS
n38	30	15	519000	1@36	CP_QPSK	22.10	-0.38	21.72	33	PASS

n38	30	15	519000	19@9	CP_QAM16	21.72	-0.38	21.34	33	PASS
n38	30	15	519000	1@1	CP_QAM16	22.06	-0.38	21.68	33	PASS
n38	30	15	519000	1@36	CP_QAM16	21.75	-0.38	21.37	33	PASS
n38	30	15	519000	19@9	CP_QAM64	20.20	-0.38	19.82	33	PASS
n38	30	15	519000	1@1	CP_QAM64	20.65	-0.38	20.27	33	PASS
n38	30	15	519000	1@36	CP_QAM64	20.63	-0.38	20.25	33	PASS
n38	30	15	519000	19@9	CP_QAM256	17.33	-0.38	16.95	33	PASS
n38	30	15	519000	1@1	CP_QAM256	17.86	-0.38	17.48	33	PASS
n38	30	15	519000	1@36	CP_QAM256	17.45	-0.38	17.07	33	PASS
n38	30	15	522500	18@9	DFT_BPSK	23.83	-0.38	23.45	33	PASS
n38	30	15	522500	1@1	DFT_BPSK	23.77	-0.38	23.39	33	PASS
n38	30	15	522500	1@36	DFT_BPSK	23.79	-0.38	23.41	33	PASS
n38	30	15	522500	18@9	DFT_QPSK	23.79	-0.38	23.41	33	PASS
n38	30	15	522500	1@1	DFT_QPSK	23.60	-0.38	23.22	33	PASS
n38	30	15	522500	1@36	DFT_QPSK	23.64	-0.38	23.26	33	PASS
n38	30	15	522500	18@9	DFT_QAM16	22.95	-0.38	22.57	33	PASS
n38	30	15	522500	1@1	DFT_QAM16	23.17	-0.38	22.79	33	PASS
n38	30	15	522500	1@36	DFT_QAM16	23.20	-0.38	22.82	33	PASS
n38	30	15	522500	18@9	DFT_QAM64	21.33	-0.38	20.95	33	PASS
n38	30	15	522500	1@1	DFT_QAM64	21.36	-0.38	20.98	33	PASS
n38	30	15	522500	1@36	DFT_QAM64	21.34	-0.38	20.96	33	PASS
n38	30	15	522500	18@9	DFT_QAM256	19.30	-0.38	18.92	33	PASS
n38	30	15	522500	1@1	DFT_QAM256	19.22	-0.38	18.84	33	PASS
n38	30	15	522500	1@36	DFT_QAM256	19.33	-0.38	18.95	33	PASS
n38	30	15	522500	19@9	CP_QPSK	22.29	-0.38	21.91	33	PASS
n38	30	15	522500	1@1	CP_QPSK	22.16	-0.38	21.78	33	PASS
n38	30	15	522500	1@36	CP_QPSK	22.27	-0.38	21.89	33	PASS
n38	30	15	522500	19@9	CP_QAM16	21.73	-0.38	21.35	33	PASS
n38	30	15	522500	1@1	CP_QAM16	22.07	-0.38	21.69	33	PASS
n38	30	15	522500	1@36	CP_QAM16	21.94	-0.38	21.56	33	PASS
n38	30	15	522500	19@9	CP_QAM64	20.22	-0.38	19.84	33	PASS
n38	30	15	522500	1@1	CP_QAM64	20.65	-0.38	20.27	33	PASS
n38	30	15	522500	1@36	CP_QAM64	20.59	-0.38	20.21	33	PASS
n38	30	15	522500	19@9	CP_QAM256	17.29	-0.38	16.91	33	PASS
n38	30	15	522500	1@1	CP_QAM256	17.44	-0.38	17.06	33	PASS
n38	30	15	522500	1@36	CP_QAM256	17.43	-0.38	17.05	33	PASS
n38	30	20	516000	25@12	DFT_BPSK	23.83	-0.38	23.45	33	PASS
n38	30	20	516000	1@1	DFT_BPSK	23.66	-0.38	23.28	33	PASS
n38	30	20	516000	1@49	DFT_BPSK	23.73	-0.38	23.35	33	PASS
n38	30	20	516000	25@12	DFT_QPSK	23.82	-0.38	23.44	33	PASS
n38	30	20	516000	1@1	DFT_QPSK	23.55	-0.38	23.17	33	PASS
n38	30	20	516000	1@49	DFT_QPSK	23.52	-0.38	23.14	33	PASS
n38	30	20	516000	25@12	DFT_QAM16	22.81	-0.38	22.43	33	PASS
n38	30	20	516000	1@1	DFT_QAM16	23.03	-0.38	22.65	33	PASS

n38	30	20	516000	1@49	DFT_QAM16	23.12	-0.38	22.74	33	PASS
n38	30	20	516000	25@12	DFT_QAM64	21.32	-0.38	20.94	33	PASS
n38	30	20	516000	1@1	DFT_QAM64	21.22	-0.38	20.84	33	PASS
n38	30	20	516000	1@49	DFT_QAM64	21.25	-0.38	20.87	33	PASS
n38	30	20	516000	25@12	DFT_QAM256	19.34	-0.38	18.96	33	PASS
n38	30	20	516000	1@1	DFT_QAM256	19.05	-0.38	18.67	33	PASS
n38	30	20	516000	1@49	DFT_QAM256	19.27	-0.38	18.89	33	PASS
n38	30	20	516000	25@12	CP_QPSK	22.28	-0.38	21.9	33	PASS
n38	30	20	516000	1@1	CP_QPSK	22.12	-0.38	21.74	33	PASS
n38	30	20	516000	1@49	CP_QPSK	22.30	-0.38	21.92	33	PASS
n38	30	20	516000	25@12	CP_QAM16	21.82	-0.38	21.44	33	PASS
n38	30	20	516000	1@1	CP_QAM16	21.86	-0.38	21.48	33	PASS
n38	30	20	516000	1@49	CP_QAM16	21.84	-0.38	21.46	33	PASS
n38	30	20	516000	25@12	CP_QAM64	20.35	-0.38	19.97	33	PASS
n38	30	20	516000	1@1	CP_QAM64	20.22	-0.38	19.84	33	PASS
n38	30	20	516000	1@49	CP_QAM64	20.58	-0.38	20.2	33	PASS
n38	30	20	516000	25@12	CP_QAM256	17.21	-0.38	16.83	33	PASS
n38	30	20	516000	1@1	CP_QAM256	17.38	-0.38	17	33	PASS
n38	30	20	516000	1@49	CP_QAM256	17.82	-0.38	17.44	33	PASS
n38	30	20	519000	25@12	DFT_BPSK	23.73	-0.38	23.35	33	PASS
n38	30	20	519000	1@1	DFT_BPSK	23.72	-0.38	23.34	33	PASS
n38	30	20	519000	1@49	DFT_BPSK	23.68	-0.38	23.3	33	PASS
n38	30	20	519000	25@12	DFT_QPSK	23.75	-0.38	23.37	33	PASS
n38	30	20	519000	1@1	DFT_QPSK	23.58	-0.38	23.2	33	PASS
n38	30	20	519000	1@49	DFT_QPSK	23.57	-0.38	23.19	33	PASS
n38	30	20	519000	25@12	DFT_QAM16	22.81	-0.38	22.43	33	PASS
n38	30	20	519000	1@1	DFT_QAM16	23.12	-0.38	22.74	33	PASS
n38	30	20	519000	1@49	DFT_QAM16	23.10	-0.38	22.72	33	PASS
n38	30	20	519000	25@12	DFT_QAM64	21.22	-0.38	20.84	33	PASS
n38	30	20	519000	1@1	DFT_QAM64	21.31	-0.38	20.93	33	PASS
n38	30	20	519000	1@49	DFT_QAM64	21.30	-0.38	20.92	33	PASS
n38	30	20	519000	25@12	DFT_QAM256	19.27	-0.38	18.89	33	PASS
n38	30	20	519000	1@1	DFT_QAM256	19.34	-0.38	18.96	33	PASS
n38	30	20	519000	1@49	DFT_QAM256	19.12	-0.38	18.74	33	PASS
n38	30	20	519000	25@12	CP_QPSK	22.27	-0.38	21.89	33	PASS
n38	30	20	519000	1@1	CP_QPSK	21.87	-0.38	21.49	33	PASS
n38	30	20	519000	1@49	CP_QPSK	21.88	-0.38	21.5	33	PASS
n38	30	20	519000	25@12	CP_QAM16	21.73	-0.38	21.35	33	PASS
n38	30	20	519000	1@1	CP_QAM16	22.18	-0.38	21.8	33	PASS
n38	30	20	519000	1@49	CP_QAM16	21.75	-0.38	21.37	33	PASS
n38	30	20	519000	25@12	CP_QAM64	20.22	-0.38	19.84	33	PASS
n38	30	20	519000	1@1	CP_QAM64	20.26	-0.38	19.88	33	PASS
n38	30	20	519000	1@49	CP_QAM64	20.45	-0.38	20.07	33	PASS
n38	30	20	519000	25@12	CP_QAM256	17.25	-0.38	16.87	33	PASS

n38	30	20	519000	1@1	CP_QAM256	17.44	-0.38	17.06	33	PASS
n38	30	20	519000	1@49	CP_QAM256	17.64	-0.38	17.26	33	PASS
n38	30	20	522000	25@12	DFT_BPSK	23.84	-0.38	23.46	33	PASS
n38	30	20	522000	1@1	DFT_BPSK	23.63	-0.38	23.25	33	PASS
n38	30	20	522000	1@49	DFT_BPSK	23.70	-0.38	23.32	33	PASS
n38	30	20	522000	25@12	DFT_QPSK	23.85	-0.38	23.47	33	PASS
n38	30	20	522000	1@1	DFT_QPSK	23.55	-0.38	23.17	33	PASS
n38	30	20	522000	1@49	DFT_QPSK	23.51	-0.38	23.13	33	PASS
n38	30	20	522000	25@12	DFT_QAM16	22.81	-0.38	22.43	33	PASS
n38	30	20	522000	1@1	DFT_QAM16	22.77	-0.38	22.39	33	PASS
n38	30	20	522000	1@49	DFT_QAM16	22.72	-0.38	22.34	33	PASS
n38	30	20	522000	25@12	DFT_QAM64	21.37	-0.38	20.99	33	PASS
n38	30	20	522000	1@1	DFT_QAM64	21.28	-0.38	20.9	33	PASS
n38	30	20	522000	1@49	DFT_QAM64	21.23	-0.38	20.85	33	PASS
n38	30	20	522000	25@12	DFT_QAM256	19.32	-0.38	18.94	33	PASS
n38	30	20	522000	1@1	DFT_QAM256	19.17	-0.38	18.79	33	PASS
n38	30	20	522000	1@49	DFT_QAM256	19.30	-0.38	18.92	33	PASS
n38	30	20	522000	25@12	CP_QPSK	22.30	-0.38	21.92	33	PASS
n38	30	20	522000	1@1	CP_QPSK	22.03	-0.38	21.65	33	PASS
n38	30	20	522000	1@49	CP_QPSK	22.27	-0.38	21.89	33	PASS
n38	30	20	522000	25@12	CP_QAM16	21.84	-0.38	21.46	33	PASS
n38	30	20	522000	1@1	CP_QAM16	21.66	-0.38	21.28	33	PASS
n38	30	20	522000	1@49	CP_QAM16	21.60	-0.38	21.22	33	PASS
n38	30	20	522000	25@12	CP_QAM64	20.33	-0.38	19.95	33	PASS
n38	30	20	522000	1@1	CP_QAM64	20.29	-0.38	19.91	33	PASS
n38	30	20	522000	1@49	CP_QAM64	20.33	-0.38	19.95	33	PASS
n38	30	20	522000	25@12	CP_QAM256	17.19	-0.38	16.81	33	PASS
n38	30	20	522000	1@1	CP_QAM256	17.42	-0.38	17.04	33	PASS
n38	30	20	522000	1@49	CP_QAM256	17.79	-0.38	17.41	33	PASS
n38	30	40	518000	50@25	DFT_BPSK	23.73	-0.38	23.35	33	PASS
n38	30	40	518000	1@1	DFT_BPSK	23.34	-0.38	22.96	33	PASS
n38	30	40	518000	1@104	DFT_BPSK	23.41	-0.38	23.03	33	PASS
n38	30	40	518000	50@25	DFT_QPSK	23.76	-0.38	23.38	33	PASS
n38	30	40	518000	1@1	DFT_QPSK	23.18	-0.38	22.8	33	PASS
n38	30	40	518000	1@104	DFT_QPSK	23.17	-0.38	22.79	33	PASS
n38	30	40	518000	50@25	DFT_QAM16	22.82	-0.38	22.44	33	PASS
n38	30	40	518000	1@1	DFT_QAM16	22.79	-0.38	22.41	33	PASS
n38	30	40	518000	1@104	DFT_QAM16	22.76	-0.38	22.38	33	PASS
n38	30	40	518000	50@25	DFT_QAM64	21.25	-0.38	20.87	33	PASS
n38	30	40	518000	1@1	DFT_QAM64	20.94	-0.38	20.56	33	PASS
n38	30	40	518000	1@104	DFT_QAM64	20.90	-0.38	20.52	33	PASS
n38	30	40	518000	50@25	DFT_QAM256	19.30	-0.38	18.92	33	PASS
n38	30	40	518000	1@1	DFT_QAM256	18.87	-0.38	18.49	33	PASS
n38	30	40	518000	1@104	DFT_QAM256	18.97	-0.38	18.59	33	PASS

n38	30	40	518000	53@26	CP_QPSK	22.25	-0.38	21.87	33	PASS
n38	30	40	518000	1@1	CP_QPSK	21.57	-0.38	21.19	33	PASS
n38	30	40	518000	1@104	CP_QPSK	21.76	-0.38	21.38	33	PASS
n38	30	40	518000	53@26	CP_QAM16	21.84	-0.38	21.46	33	PASS
n38	30	40	518000	1@1	CP_QAM16	21.76	-0.38	21.38	33	PASS
n38	30	40	518000	1@104	CP_QAM16	21.90	-0.38	21.52	33	PASS
n38	30	40	518000	53@26	CP_QAM64	20.29	-0.38	19.91	33	PASS
n38	30	40	518000	1@1	CP_QAM64	19.84	-0.38	19.46	33	PASS
n38	30	40	518000	1@104	CP_QAM64	20.14	-0.38	19.76	33	PASS
n38	30	40	518000	53@26	CP_QAM256	17.37	-0.38	16.99	33	PASS
n38	30	40	518000	1@1	CP_QAM256	17.30	-0.38	16.92	33	PASS
n38	30	40	518000	1@104	CP_QAM256	17.42	-0.38	17.04	33	PASS
n38	30	40	519000	50@25	DFT_BPSK	23.84	-0.38	23.46	33	PASS
n38	30	40	519000	1@1	DFT_BPSK	23.39	-0.38	23.01	33	PASS
n38	30	40	519000	1@104	DFT_BPSK	23.39	-0.38	23.01	33	PASS
n38	30	40	519000	50@25	DFT_QPSK	23.81	-0.38	23.43	33	PASS
n38	30	40	519000	1@1	DFT_QPSK	23.19	-0.38	22.81	33	PASS
n38	30	40	519000	1@104	DFT_QPSK	23.18	-0.38	22.8	33	PASS
n38	30	40	519000	50@25	DFT_QAM16	22.75	-0.38	22.37	33	PASS
n38	30	40	519000	1@1	DFT_QAM16	22.41	-0.38	22.03	33	PASS
n38	30	40	519000	1@104	DFT_QAM16	22.90	-0.38	22.52	33	PASS
n38	30	40	519000	50@25	DFT_QAM64	21.27	-0.38	20.89	33	PASS
n38	30	40	519000	1@1	DFT_QAM64	21.13	-0.38	20.75	33	PASS
n38	30	40	519000	1@104	DFT_QAM64	21.13	-0.38	20.75	33	PASS
n38	30	40	519000	50@25	DFT_QAM256	19.26	-0.38	18.88	33	PASS
n38	30	40	519000	1@1	DFT_QAM256	19.04	-0.38	18.66	33	PASS
n38	30	40	519000	1@104	DFT_QAM256	19.04	-0.38	18.66	33	PASS
n38	30	40	519000	53@26	CP_QPSK	22.24	-0.38	21.86	33	PASS
n38	30	40	519000	1@1	CP_QPSK	21.94	-0.38	21.56	33	PASS
n38	30	40	519000	1@104	CP_QPSK	21.75	-0.38	21.37	33	PASS
n38	30	40	519000	53@26	CP_QAM16	21.69	-0.38	21.31	33	PASS
n38	30	40	519000	1@1	CP_QAM16	21.63	-0.38	21.25	33	PASS
n38	30	40	519000	1@104	CP_QAM16	21.34	-0.38	20.96	33	PASS
n38	30	40	519000	53@26	CP_QAM64	20.24	-0.38	19.86	33	PASS
n38	30	40	519000	1@1	CP_QAM64	20.02	-0.38	19.64	33	PASS
n38	30	40	519000	1@104	CP_QAM64	20.23	-0.38	19.85	33	PASS
n38	30	40	519000	53@26	CP_QAM256	17.27	-0.38	16.89	33	PASS
n38	30	40	519000	1@1	CP_QAM256	17.42	-0.38	17.04	33	PASS
n38	30	40	519000	1@104	CP_QAM256	17.35	-0.38	16.97	33	PASS
n38	30	40	520000	50@25	DFT_BPSK	23.82	-0.38	23.44	33	PASS
n38	30	40	520000	1@1	DFT_BPSK	23.38	-0.38	23	33	PASS
n38	30	40	520000	1@104	DFT_BPSK	23.30	-0.38	22.92	33	PASS
n38	30	40	520000	50@25	DFT_QPSK	23.84	-0.38	23.46	33	PASS
n38	30	40	520000	1@1	DFT_QPSK	23.14	-0.38	22.76	33	PASS

n38	30	40	520000	1@104	DFT_QPSK	23.18	-0.38	22.8	33	PASS
n38	30	40	520000	50@25	DFT_QAM16	22.85	-0.38	22.47	33	PASS
n38	30	40	520000	1@1	DFT_QAM16	22.38	-0.38	22	33	PASS
n38	30	40	520000	1@104	DFT_QAM16	22.91	-0.38	22.53	33	PASS
n38	30	40	520000	50@25	DFT_QAM64	21.31	-0.38	20.93	33	PASS
n38	30	40	520000	1@1	DFT_QAM64	21.04	-0.38	20.66	33	PASS
n38	30	40	520000	1@104	DFT_QAM64	21.11	-0.38	20.73	33	PASS
n38	30	40	520000	50@25	DFT_QAM256	19.35	-0.38	18.97	33	PASS
n38	30	40	520000	1@1	DFT_QAM256	19.00	-0.38	18.62	33	PASS
n38	30	40	520000	1@104	DFT_QAM256	18.79	-0.38	18.41	33	PASS
n38	30	40	520000	53@26	CP_QPSK	22.29	-0.38	21.91	33	PASS
n38	30	40	520000	1@1	CP_QPSK	21.86	-0.38	21.48	33	PASS
n38	30	40	520000	1@104	CP_QPSK	21.76	-0.38	21.38	33	PASS
n38	30	40	520000	53@26	CP_QAM16	21.80	-0.38	21.42	33	PASS
n38	30	40	520000	1@1	CP_QAM16	21.32	-0.38	20.94	33	PASS
n38	30	40	520000	1@104	CP_QAM16	21.39	-0.38	21.01	33	PASS
n38	30	40	520000	53@26	CP_QAM64	20.30	-0.38	19.92	33	PASS
n38	30	40	520000	1@1	CP_QAM64	19.90	-0.38	19.52	33	PASS
n38	30	40	520000	1@104	CP_QAM64	19.89	-0.38	19.51	33	PASS
n38	30	40	520000	53@26	CP_QAM256	17.28	-0.38	16.9	33	PASS
n38	30	40	520000	1@1	CP_QAM256	17.34	-0.38	16.96	33	PASS
n38	30	40	520000	1@104	CP_QAM256	17.07	-0.38	16.69	33	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
n38	30	40	519000	50@25	DFT_BPSK	3.87	-15.95	-0.01	Within authorized band for 5G NR n38	PASS
n38	30	40	519000	50@25	DFT_BPSK	3.45	-9.50	0.00		PASS
n38	30	40	519000	50@25	DFT_BPSK	4.45	-7.52	0.00		PASS
n38	30	40	519000	50@25	DFT_QPSK	3.87	-6.09	0.00		PASS
n38	30	40	519000	50@25	DFT_QPSK	3.45	-8.86	0.00		PASS
n38	30	40	519000	50@25	DFT_QPSK	4.45	-5.98	0.00		PASS

Note: Only the worst case shown in the report.

NV:

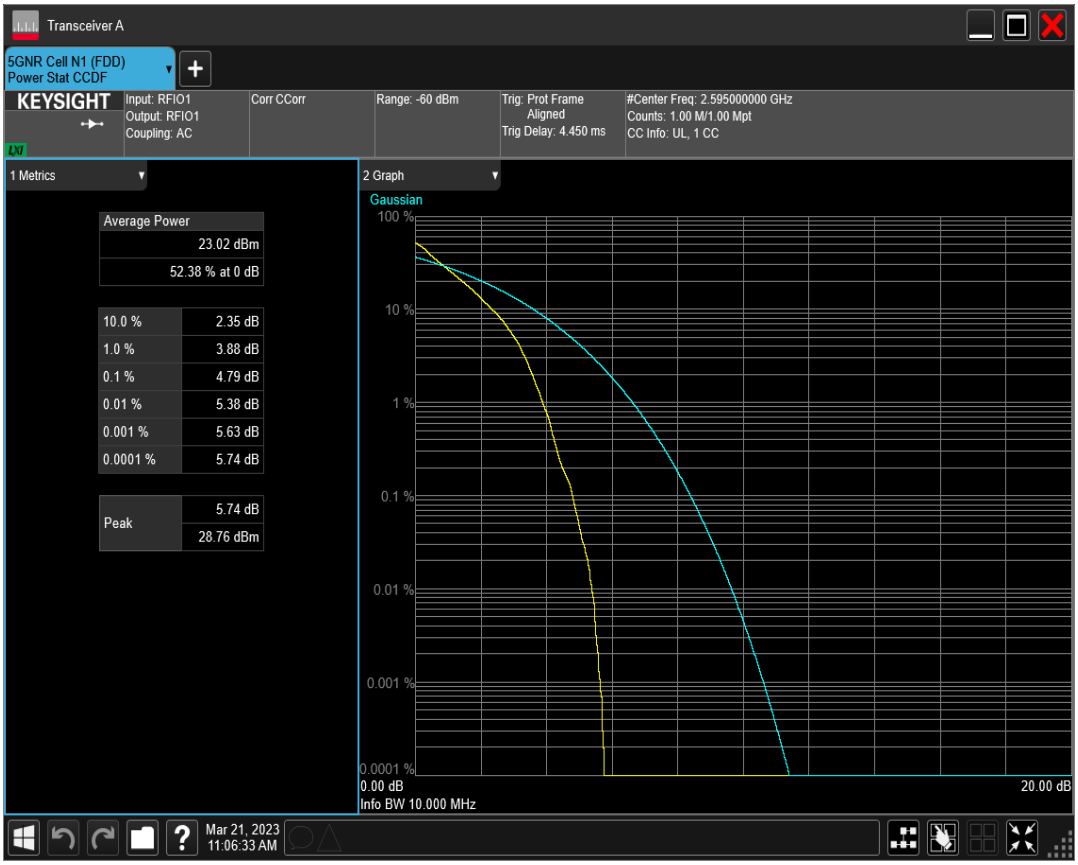
Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Temperature(℃)	Result(Hz)	Result (ppm)	Limit (ppm)	Verdict
n38	30	40	519000	50@25	DFT_BPSK	-30	-15.56	-0.01	Within authorized band for 5G NR n38	PASS
n38	30	40	519000	50@25	DFT_BPSK	-20	-9.89	0.00		PASS
n38	30	40	519000	50@25	DFT_BPSK	-10	-7.59	0.00		PASS
n38	30	40	519000	50@25	DFT_BPSK	0	-5.78	0.00		PASS
n38	30	40	519000	50@25	DFT_BPSK	10	-8.86	0.00		PASS
n38	30	40	519000	50@25	DFT_BPSK	20	-5.89	0.00		PASS
n38	30	40	519000	50@25	DFT_BPSK	30	-16.02	-0.01		PASS
n38	30	40	519000	50@25	DFT_BPSK	40	-9.73	0.00		PASS
n38	30	40	519000	50@25	DFT_BPSK	50	-7.78	0.00		PASS
n38	30	40	519000	50@25	DFT_QPSK	-30	-6.57	0.00		PASS
n38	30	40	519000	50@25	DFT_QPSK	-20	-8.67	0.00		PASS
n38	30	40	519000	50@25	DFT_QPSK	-10	-5.55	0.00		PASS
n38	30	40	519000	50@25	DFT_QPSK	0	-15.77	-0.01		PASS
n38	30	40	519000	50@25	DFT_QPSK	10	-9.95	0.00		PASS
n38	30	40	519000	50@25	DFT_QPSK	20	-7.86	0.00		PASS
n38	30	40	519000	50@25	DFT_QPSK	30	-5.97	0.00		PASS
n38	30	40	519000	50@25	DFT_QPSK	40	-9.18	0.00		PASS
n38	30	40	519000	50@25	DFT_QPSK	50	-5.68	0.00		PASS

Note: Only the worst case shown in the report.

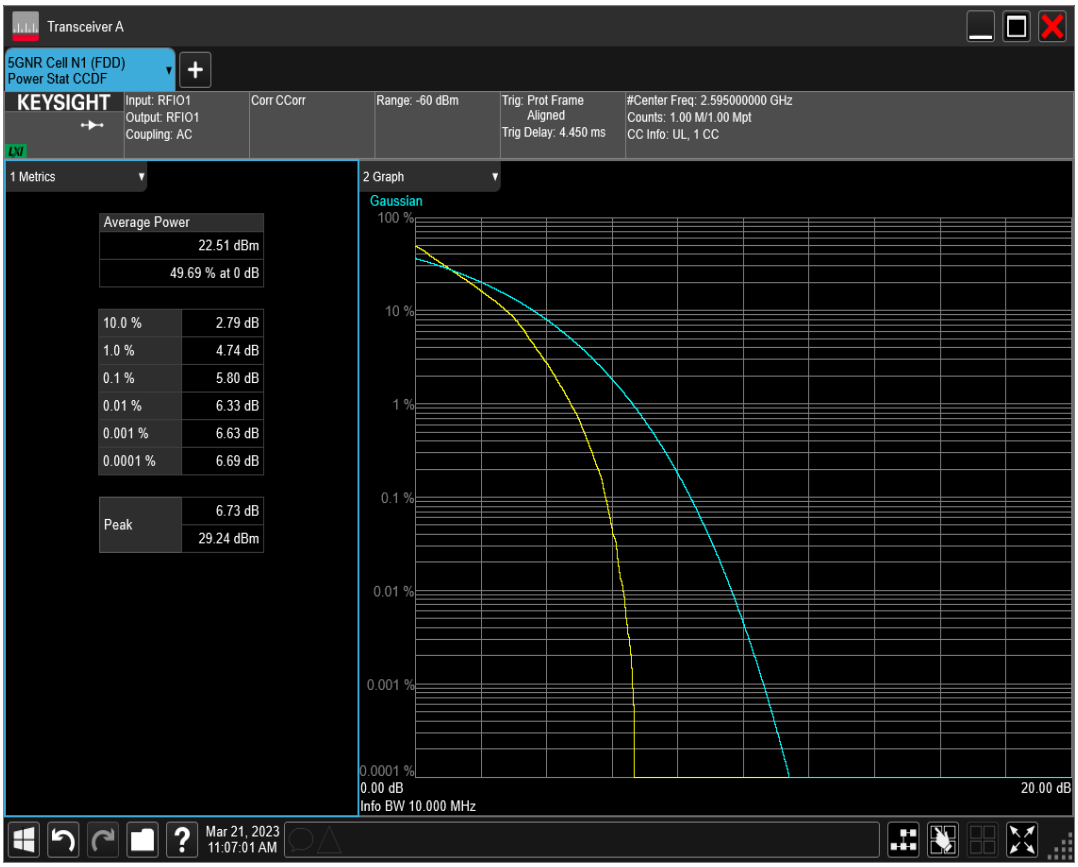
3 Peak-to-Average Ratio for NR FR1

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Result (dB)	high Limit (dB)	Verdict
n38	30	10	519000	24@0	DFT_BPSK	4.79	13	PASS
n38	30	10	519000	24@0	DFT_QPSK	5.80	13	PASS
n38	30	10	519000	24@0	DFT_QAM16	6.58	13	PASS
n38	30	10	519000	24@0	DFT_QAM64	6.88	13	PASS
n38	30	10	519000	24@0	DFT_QAM256	7.24	13	PASS
n38	30	15	519000	36@0	DFT_BPSK	4.72	13	PASS
n38	30	15	519000	36@0	DFT_QPSK	5.92	13	PASS
n38	30	15	519000	36@0	DFT_QAM16	6.75	13	PASS
n38	30	15	519000	36@0	DFT_QAM64	7.03	13	PASS
n38	30	15	519000	36@0	DFT_QAM256	7.33	13	PASS
n38	30	20	519000	50@0	DFT_BPSK	4.70	13	PASS
n38	30	20	519000	50@0	DFT_QPSK	5.85	13	PASS
n38	30	20	519000	50@0	DFT_QAM16	6.79	13	PASS
n38	30	20	519000	50@0	DFT_QAM64	6.93	13	PASS
n38	30	20	519000	50@0	DFT_QAM256	7.45	13	PASS
n38	30	40	519000	100@0	DFT_BPSK	4.78	13	PASS
n38	30	40	519000	100@0	DFT_QPSK	5.86	13	PASS
n38	30	40	519000	100@0	DFT_QAM16	6.64	13	PASS
n38	30	40	519000	100@0	DFT_QAM64	6.94	13	PASS
n38	30	40	519000	100@0	DFT_QAM256	7.37	13	PASS

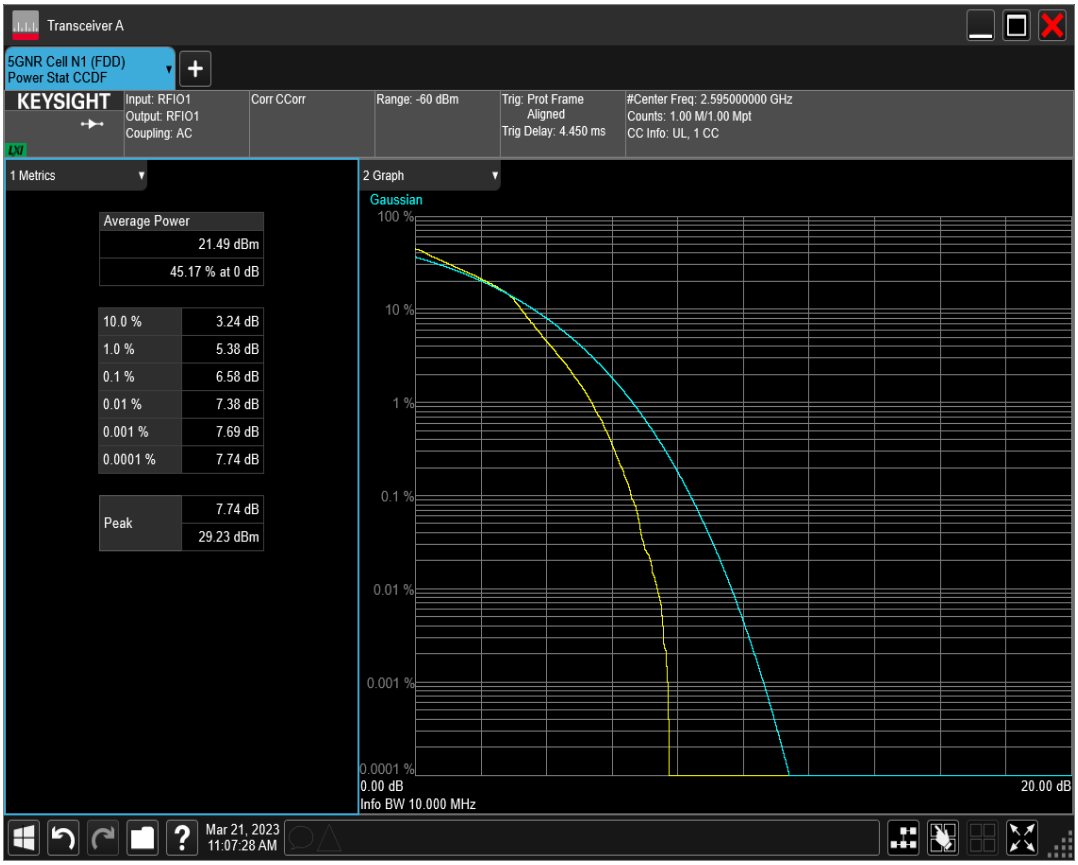
n38 SCS=30kHz DFT_BPSK BW=10MHz Channel=519000 RB=24@0



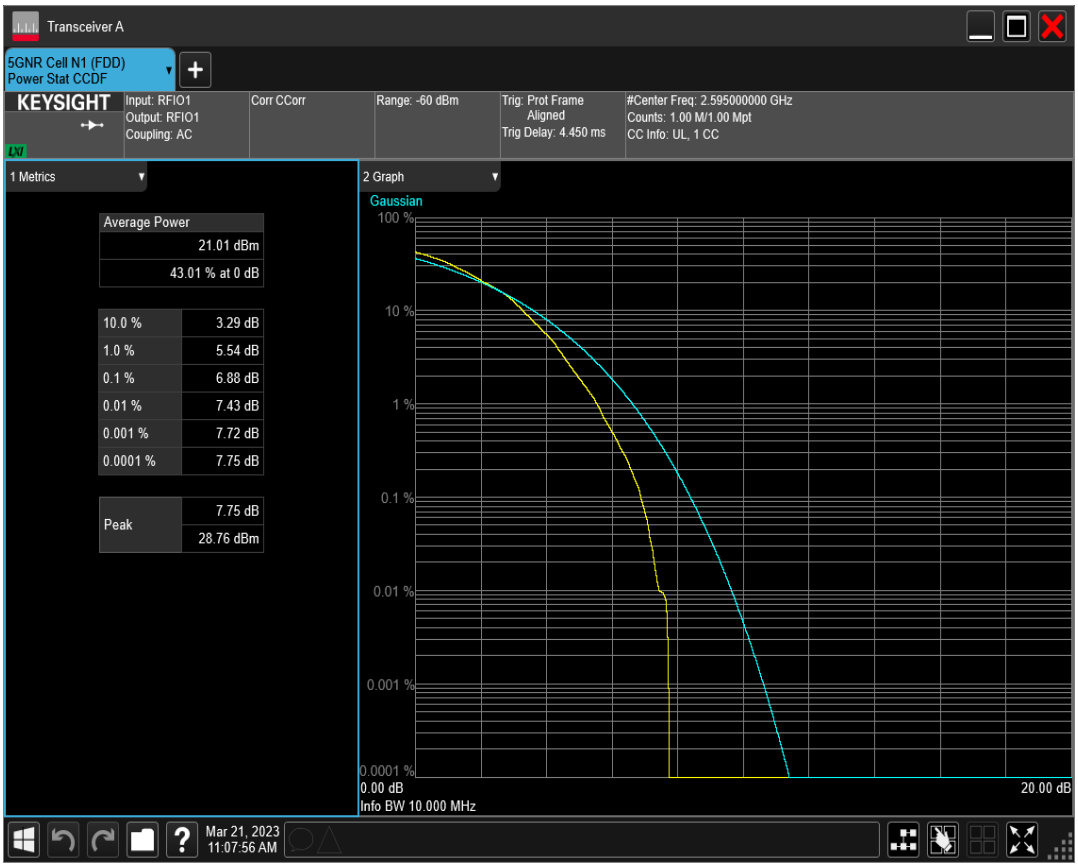
n38 SCS=30kHz DFT_QPSK BW=10MHz Channel=519000 RB=24@0



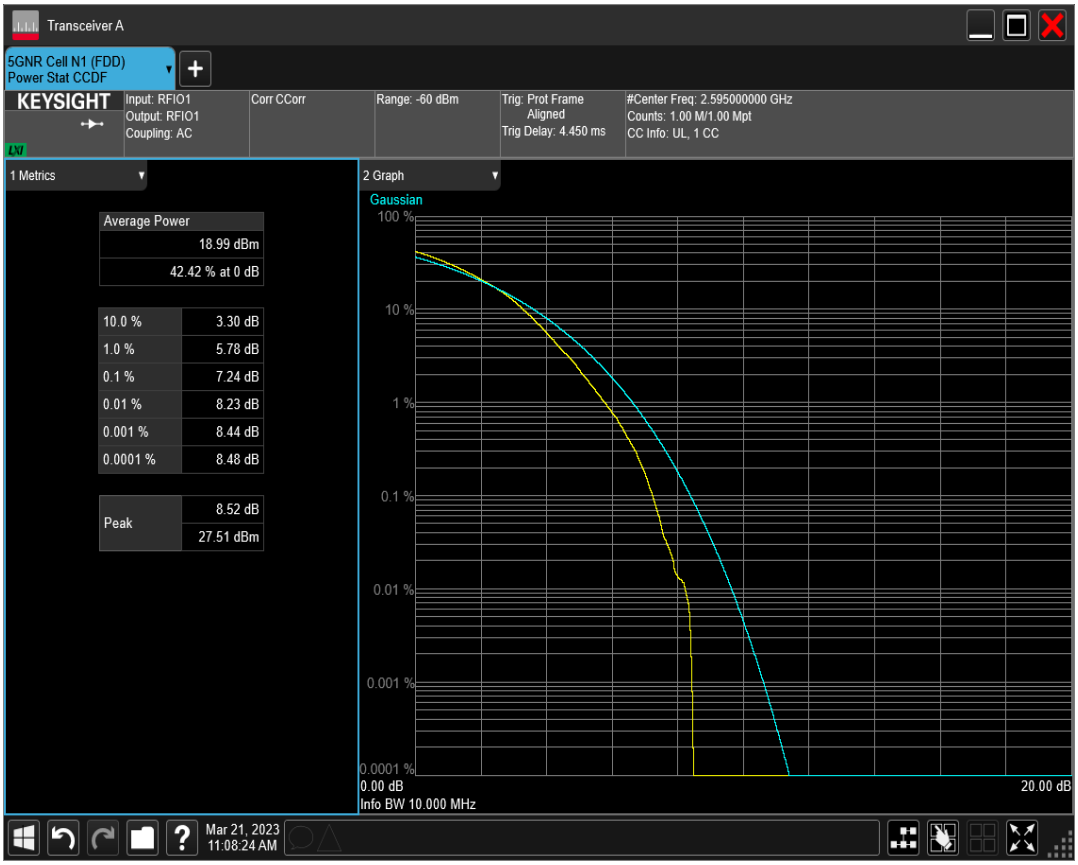
n38 SCS=30kHz DFT_QAM16 BW=10MHz Channel=519000 RB=24@0



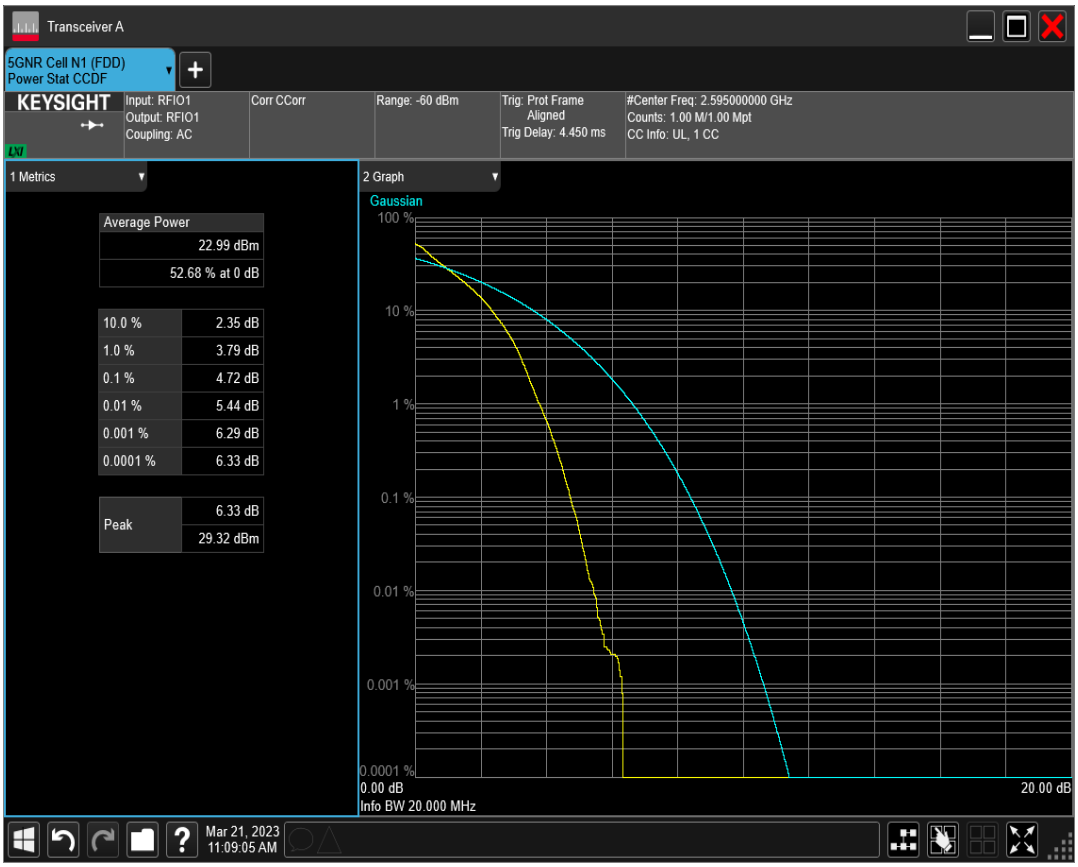
n38 SCS=30kHz DFT_QAM64 BW=10MHz Channel=519000 RB=24@0



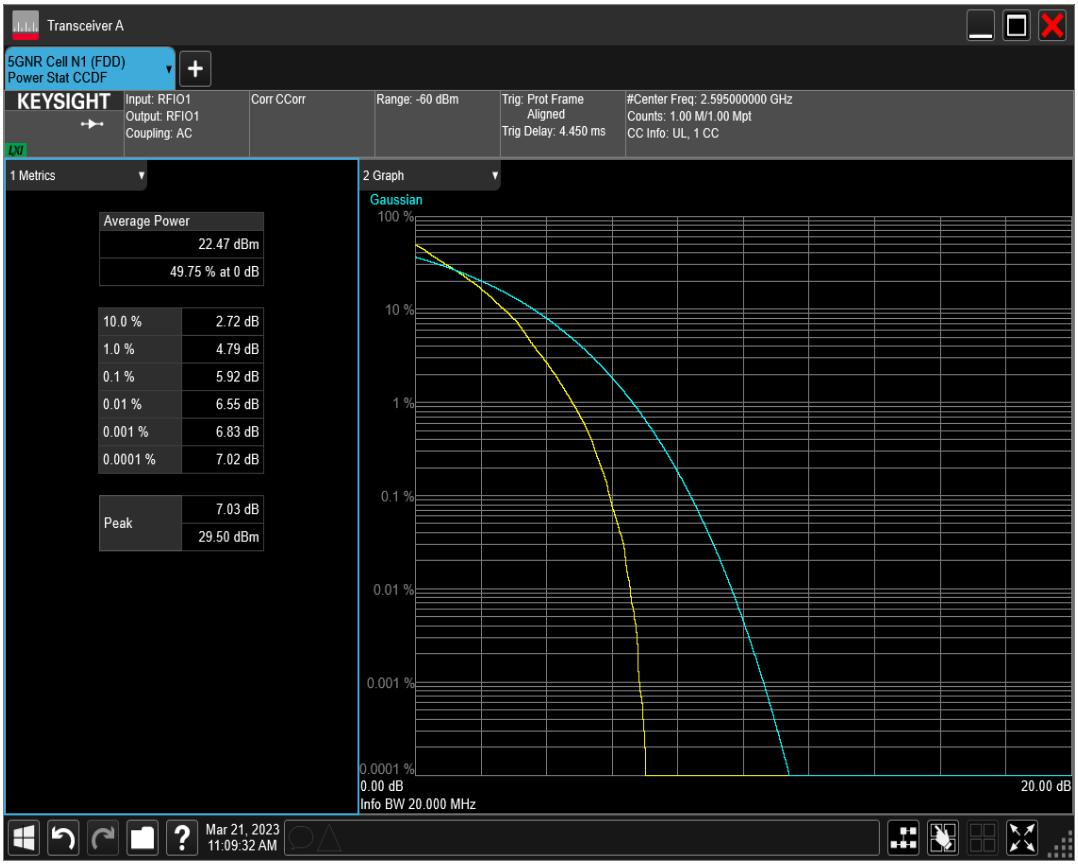
n38 SCS=30kHz DFT_QAM256 BW=10MHz Channel=519000 RB=24@0



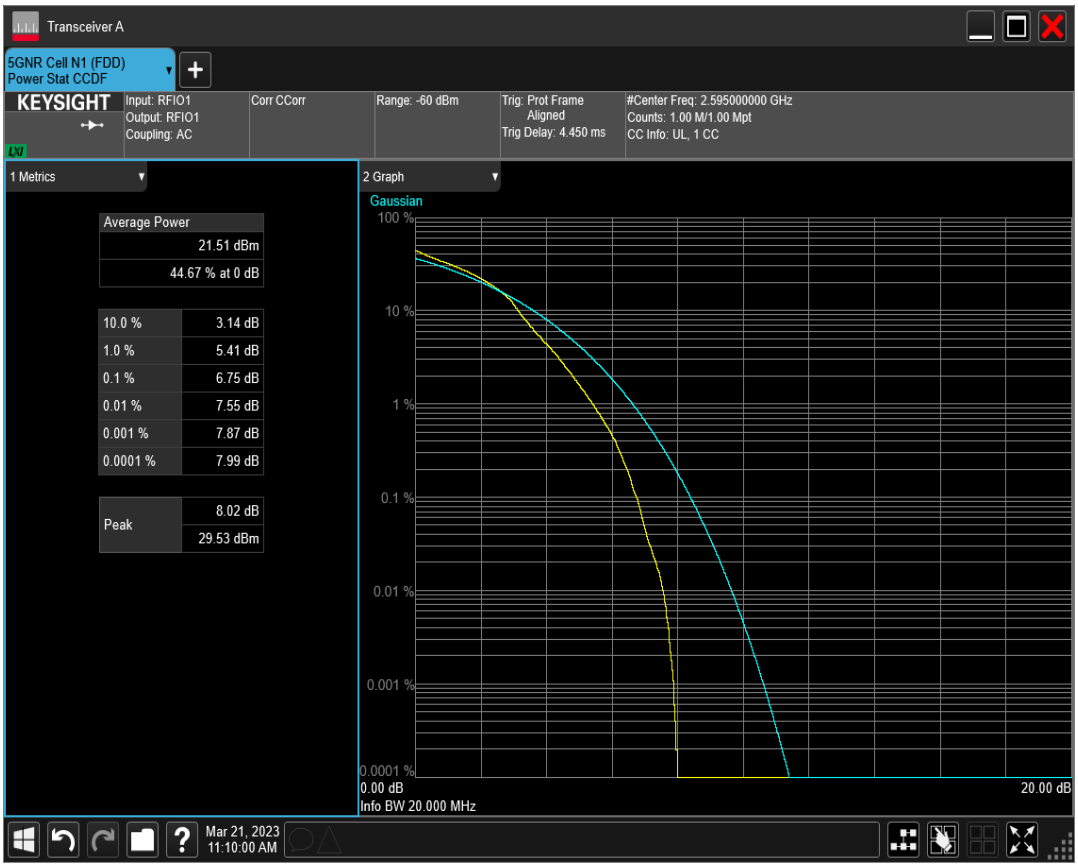
n38 SCS=30kHz DFT_BPSK BW=15MHz Channel=519000 RB=36@0



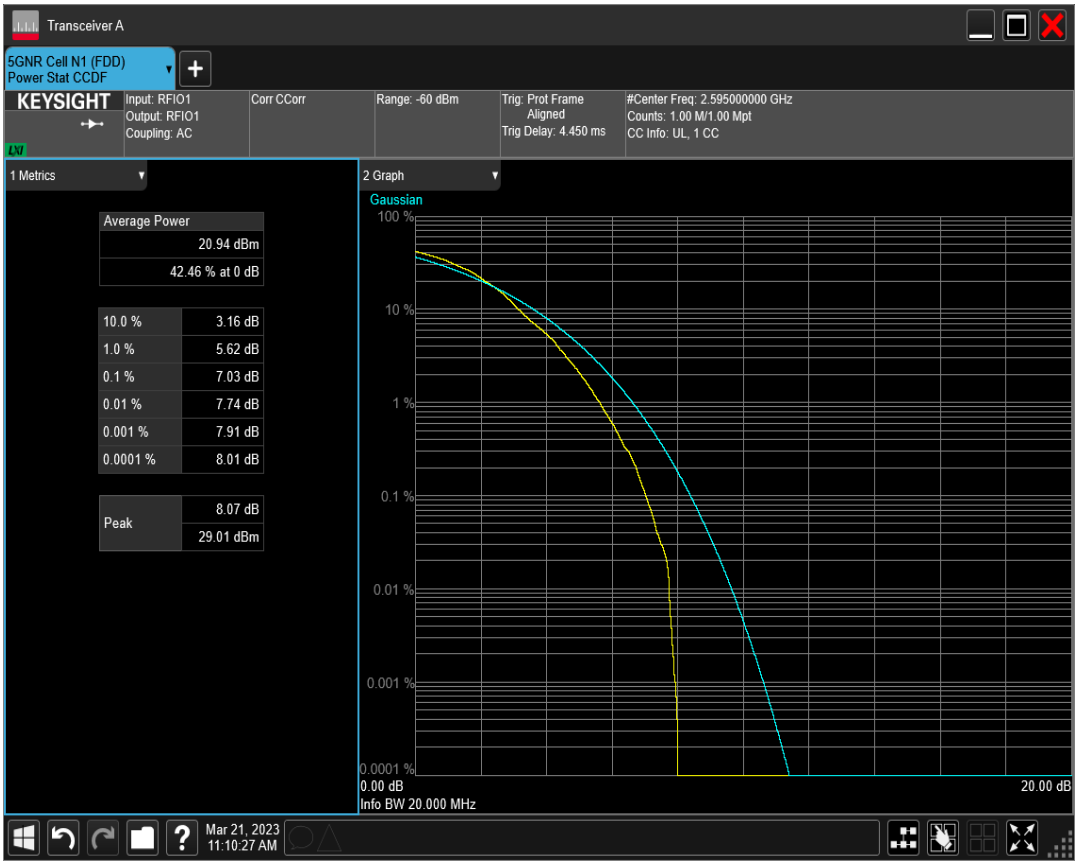
n38 SCS=30kHz DFT_QPSK BW=15MHz Channel=519000 RB=36@0



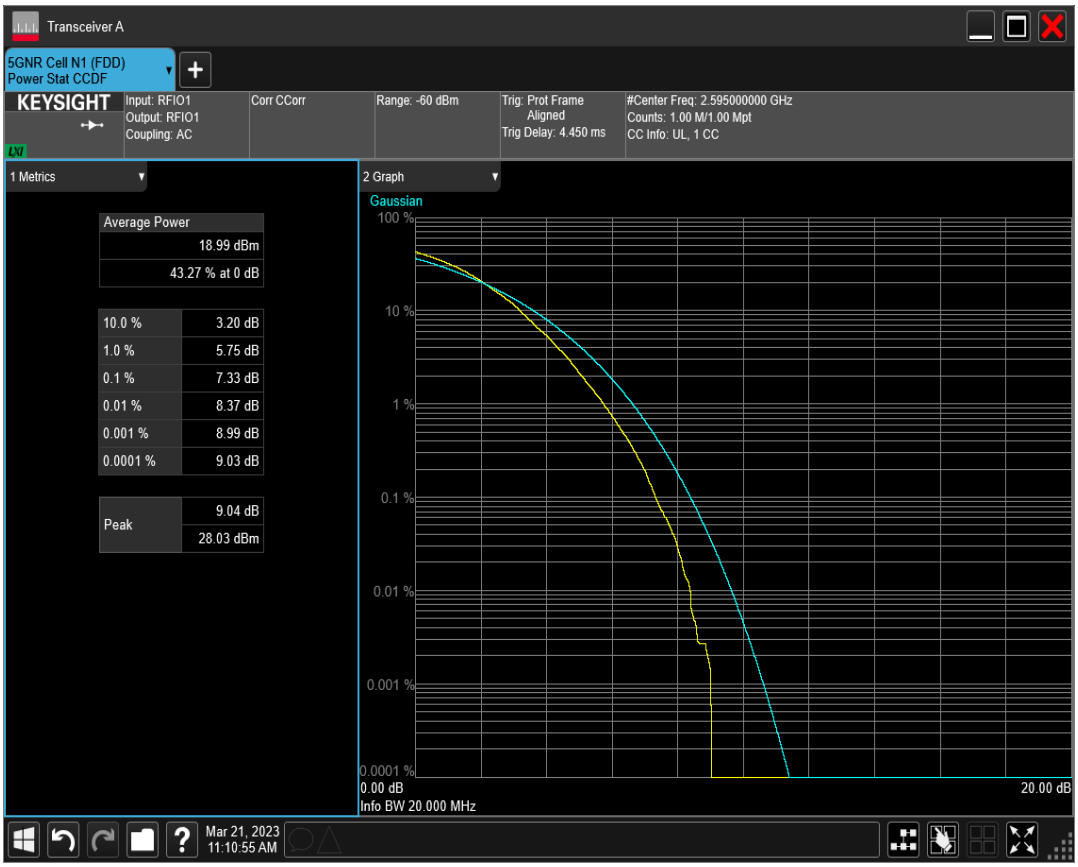
n38 SCS=30kHz DFT_QAM16 BW=15MHz Channel=519000 RB=36@0



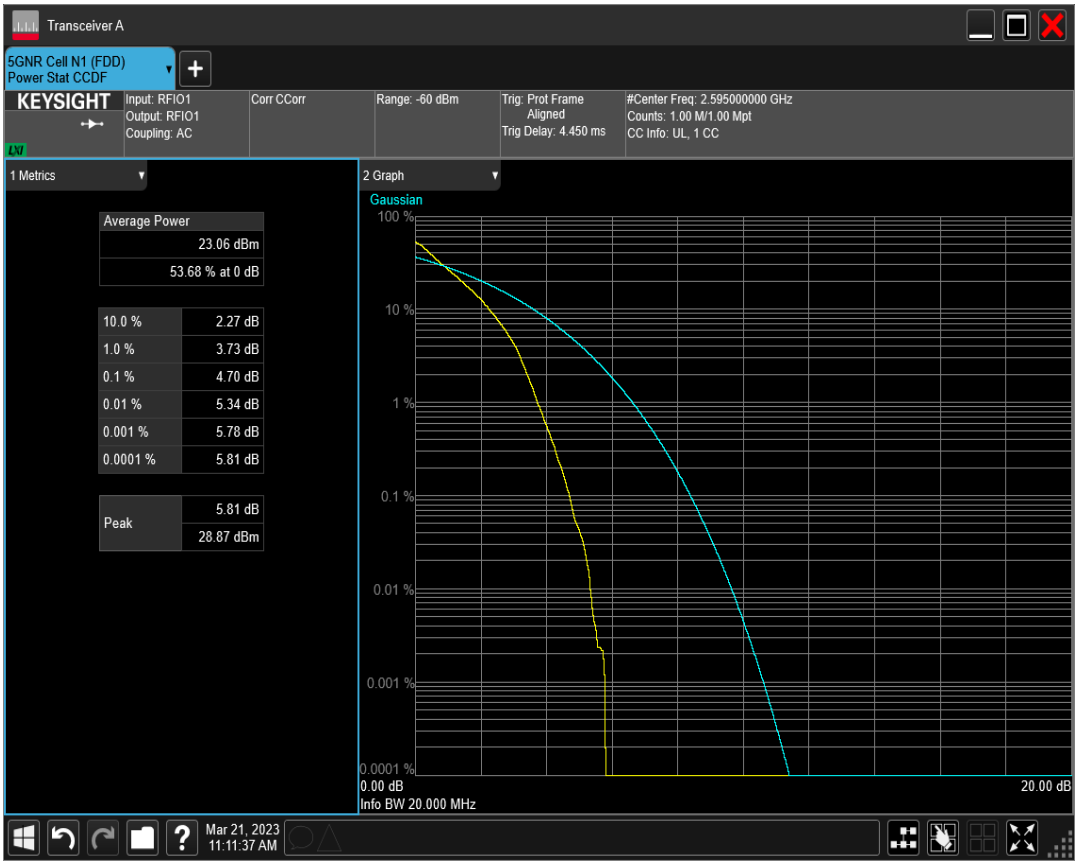
n38 SCS=30kHz DFT_QAM64 BW=15MHz Channel=519000 RB=36@0



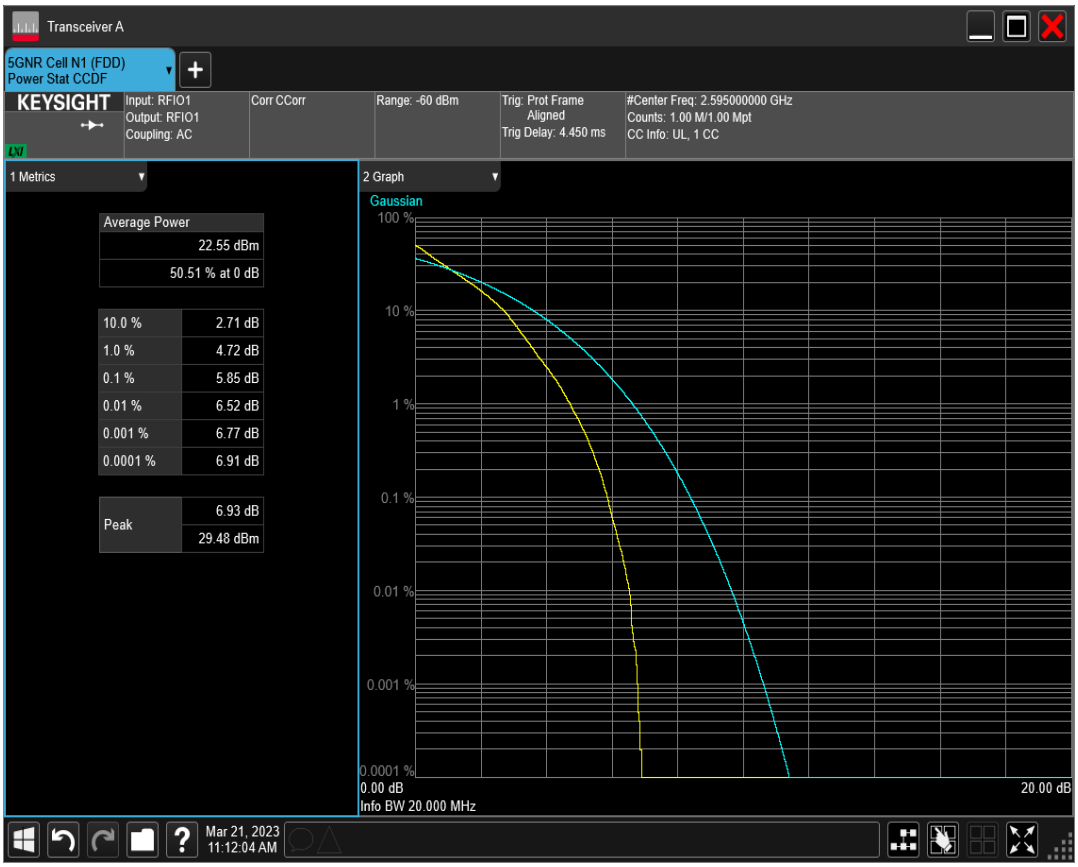
n38 SCS=30kHz DFT_QAM256 BW=15MHz Channel=519000 RB=36@0



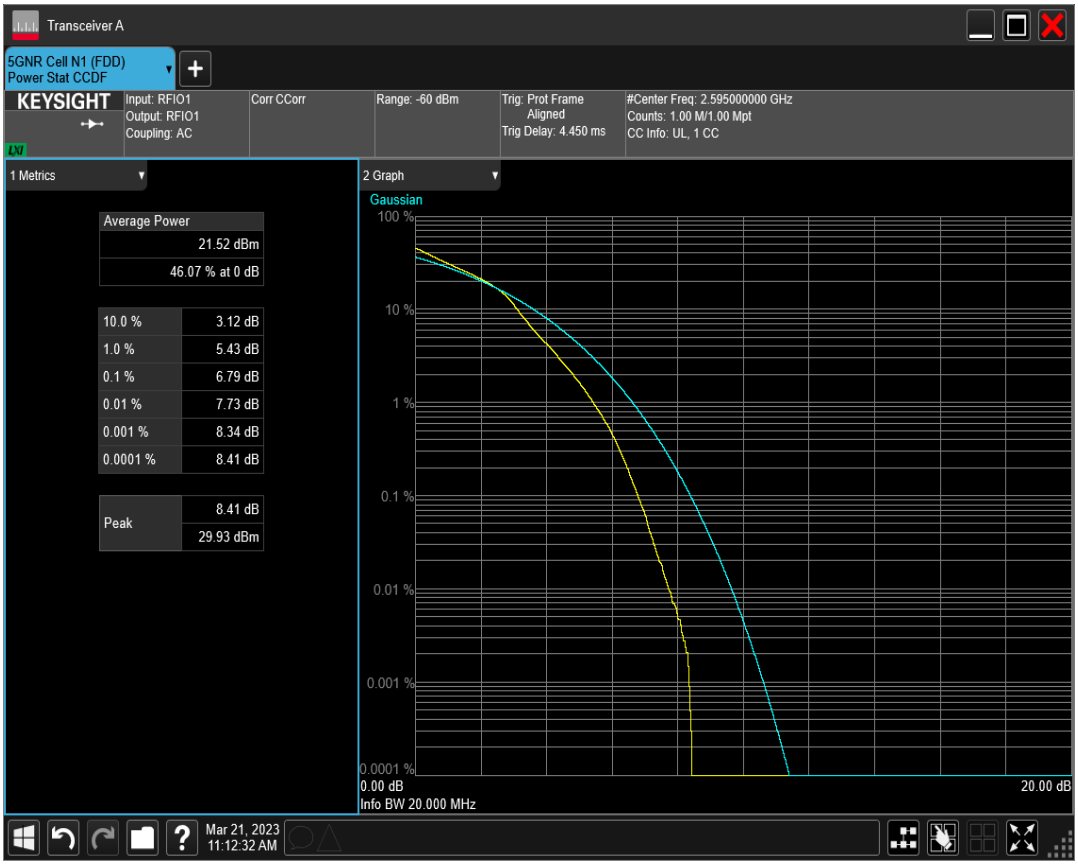
n38 SCS=30kHz DFT_BPSK BW=20MHz Channel=519000 RB=50@0



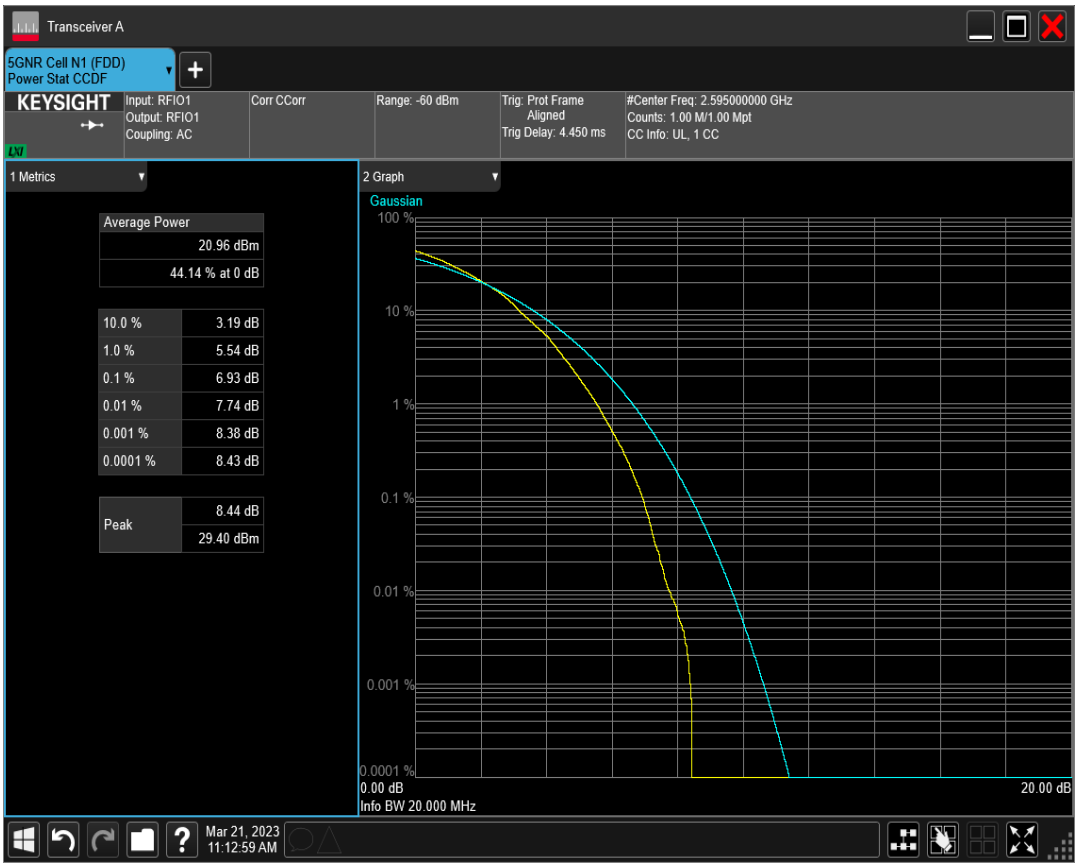
n38 SCS=30kHz DFT_QPSK BW=20MHz Channel=519000 RB=50@0



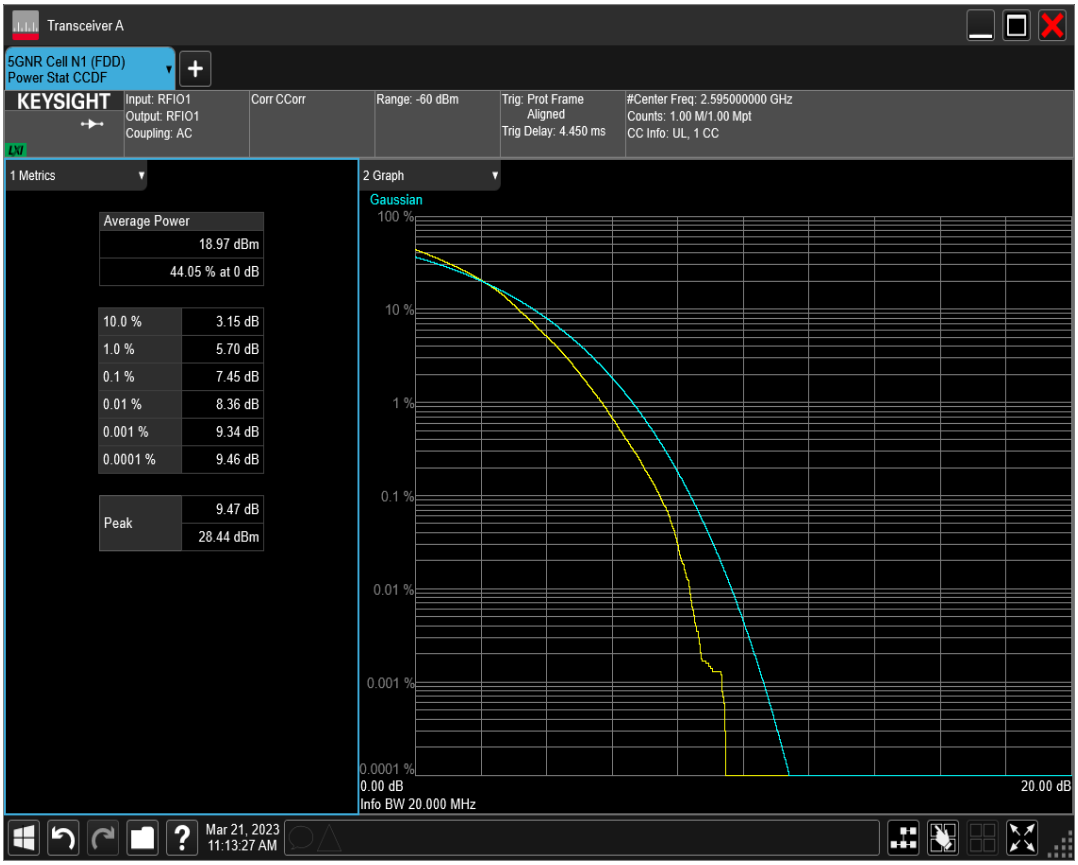
n38 SCS=30kHz DFT_QAM16 BW=20MHz Channel=519000 RB=50@0



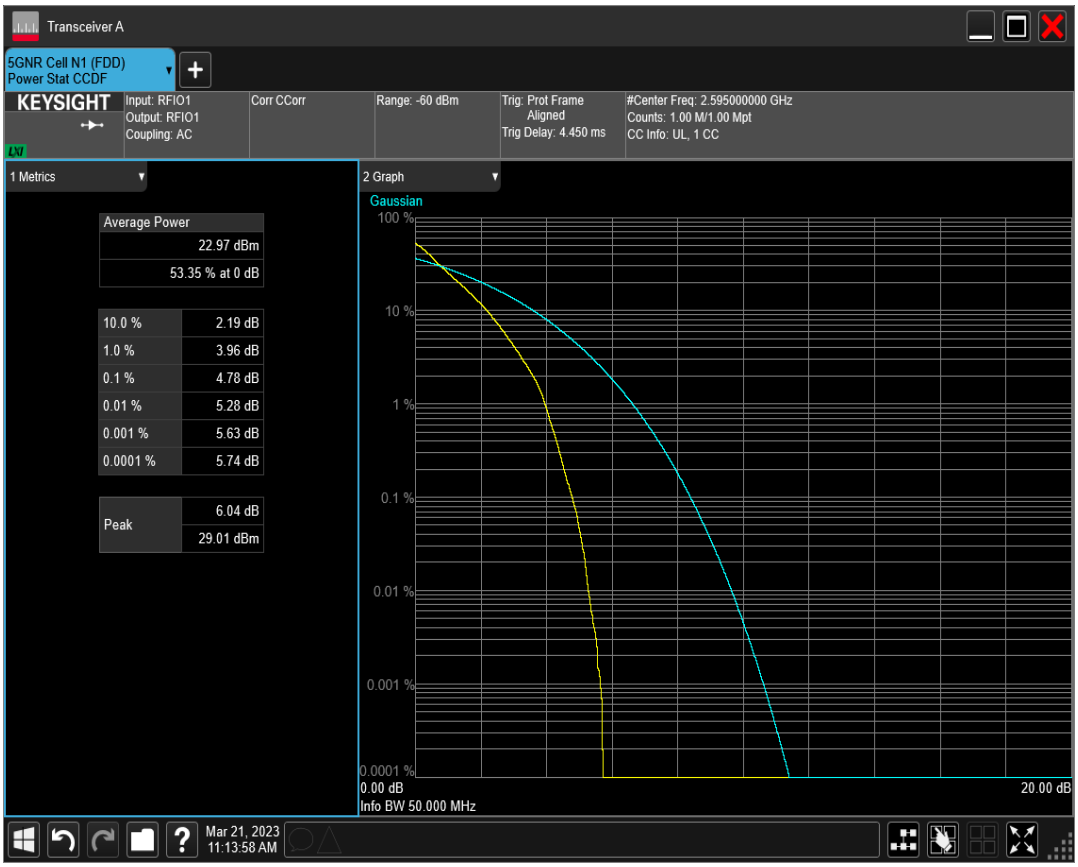
n38 SCS=30kHz DFT_QAM64 BW=20MHz Channel=519000 RB=50@0



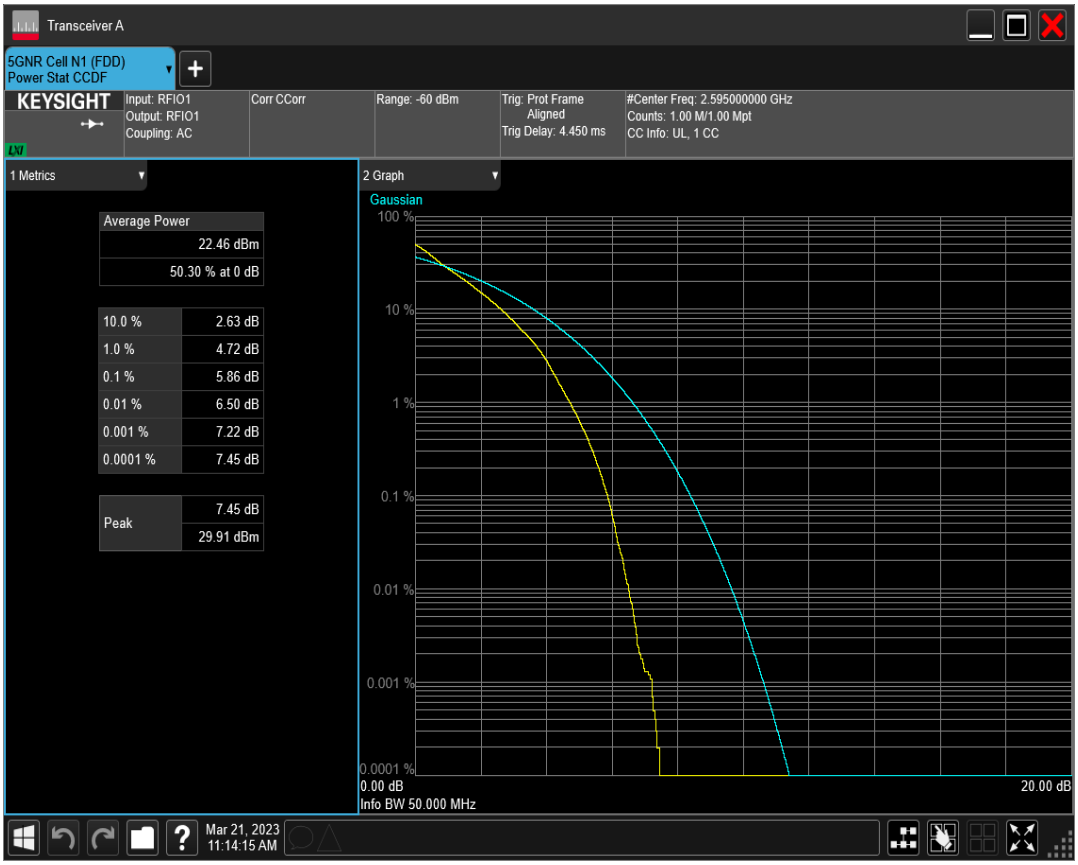
n38 SCS=30kHz DFT_QAM256 BW=20MHz Channel=519000 RB=50@0



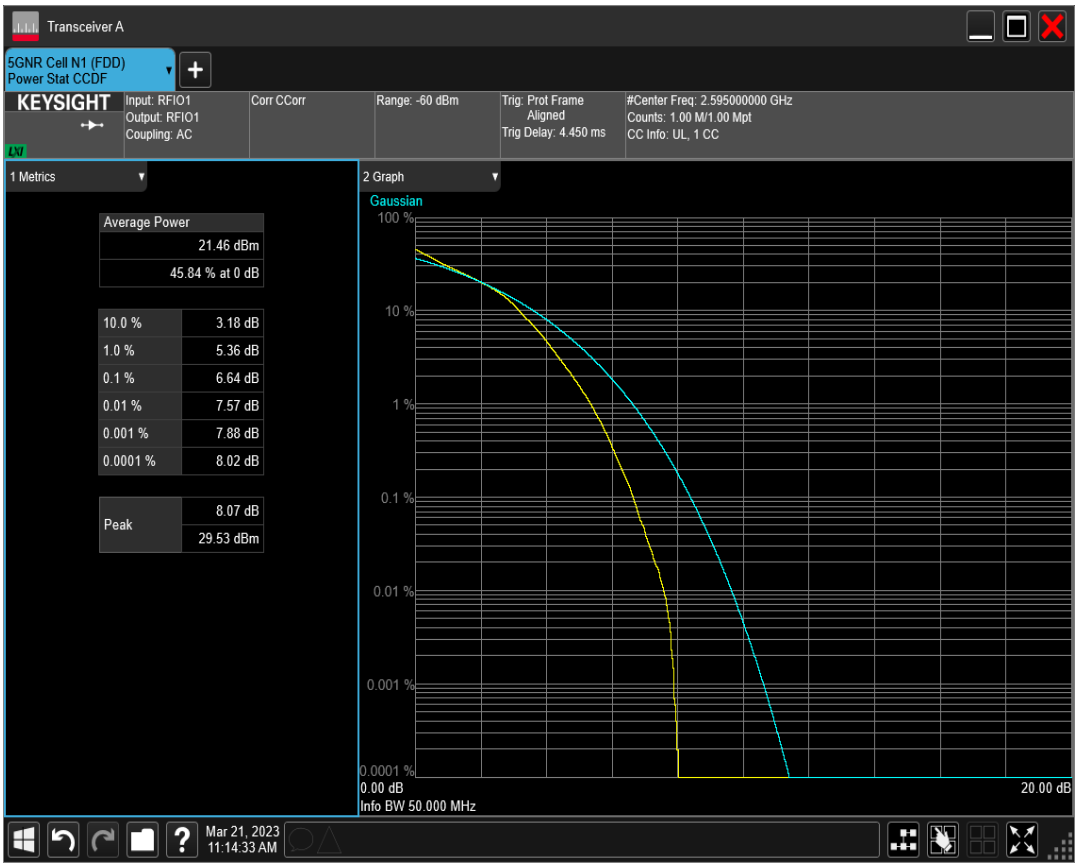
n38 SCS=30kHz DFT_BPSK BW=40MHz Channel=519000 RB=100@0



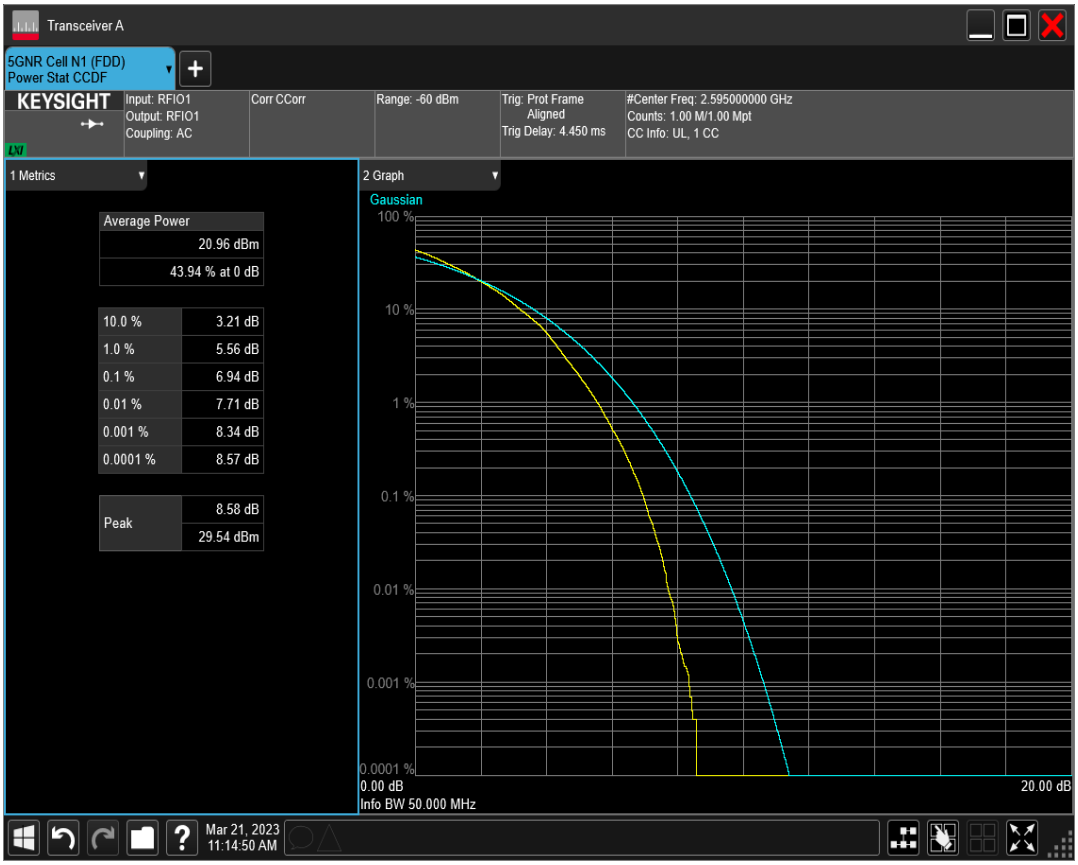
n38 SCS=30kHz DFT_QPSK BW=40MHz Channel=519000 RB=100@0



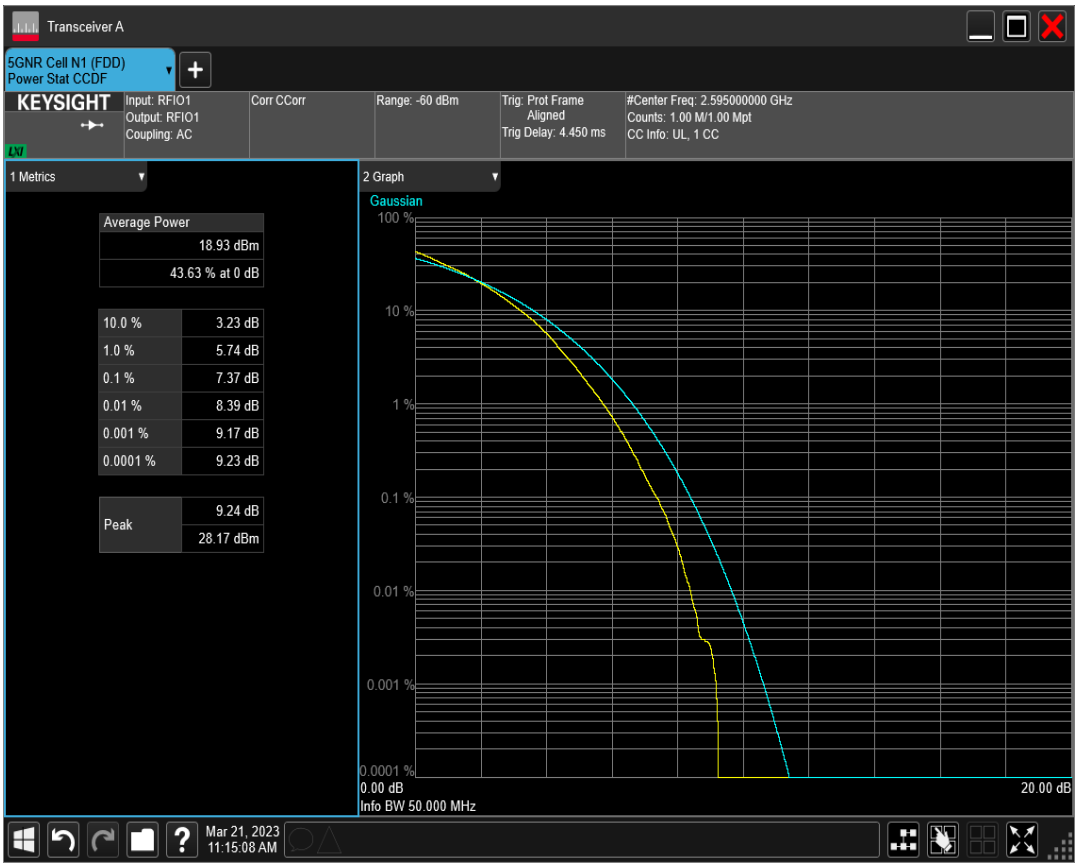
n38 SCS=30kHz DFT_QAM16 BW=40MHz Channel=519000 RB=100@0



n38 SCS=30kHz DFT_QAM64 BW=40MHz Channel=519000 RB=100@0



n38 SCS=30kHz DFT_QAM256 BW=40MHz Channel=519000 RB=100@0

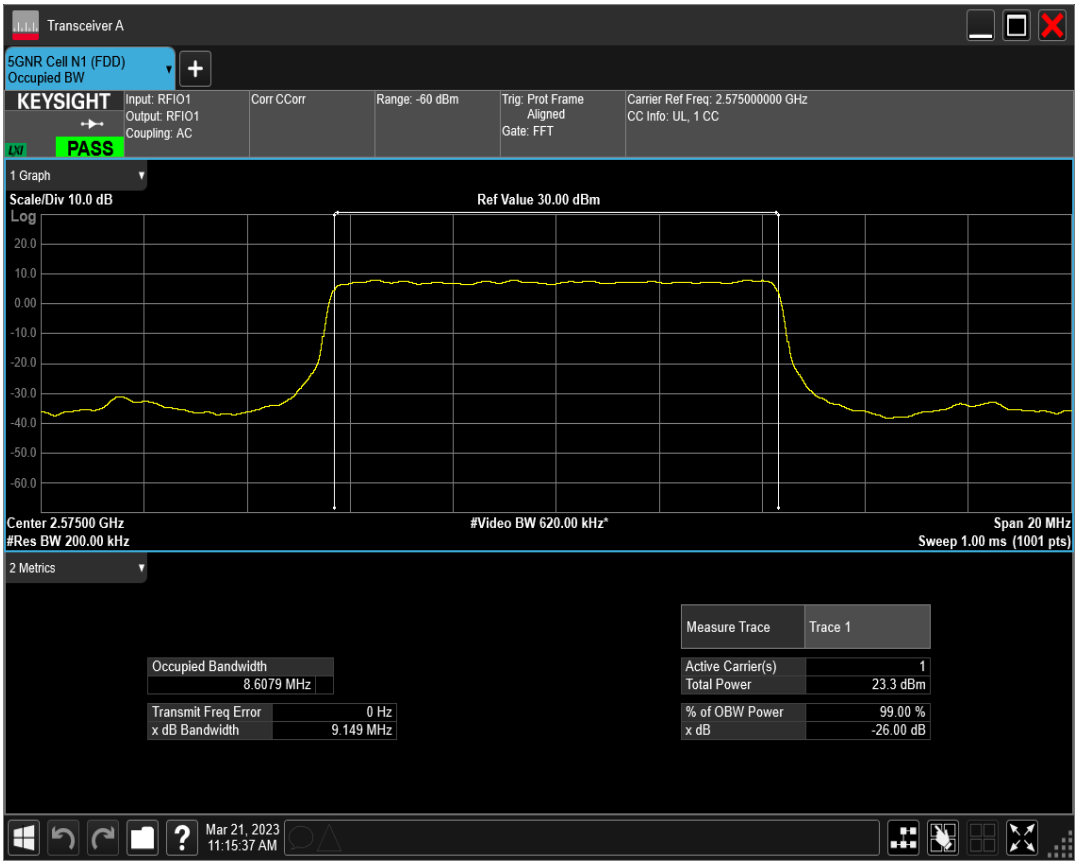


4 Occupied bandwidth for NR FR1

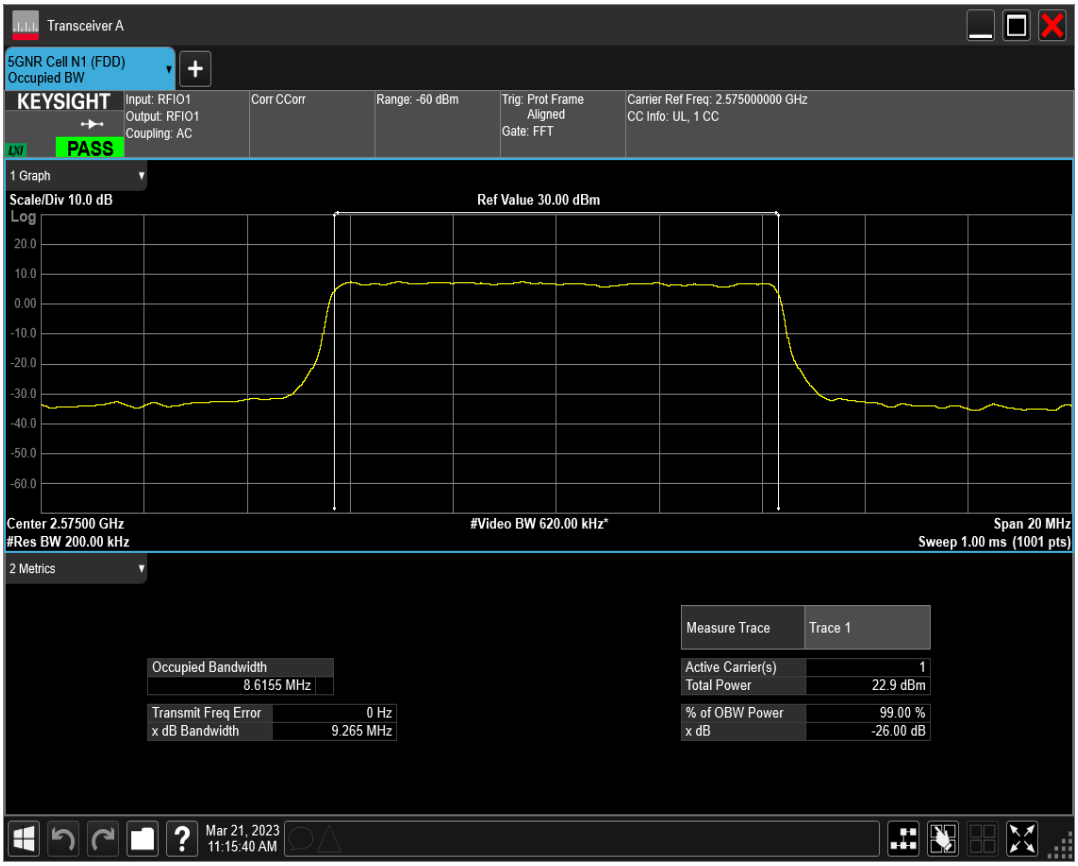
Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
n38	30	10	515000	24@0	DFT_BPSK	8.610	9.150	PASS
n38	30	10	515000	24@0	DFT_QPSK	8.620	9.260	PASS
n38	30	10	515000	24@0	DFT_QAM16	8.620	9.190	PASS
n38	30	10	515000	24@0	DFT_QAM64	8.600	9.210	PASS
n38	30	10	515000	24@0	DFT_QAM256	8.620	9.220	PASS
n38	30	10	515000	24@0	CP_QPSK	8.620	9.220	PASS
n38	30	10	519000	24@0	DFT_BPSK	8.620	9.150	PASS
n38	30	10	519000	24@0	DFT_QPSK	8.610	9.160	PASS
n38	30	10	519000	24@0	DFT_QAM16	8.650	9.180	PASS
n38	30	10	519000	24@0	DFT_QAM64	8.580	9.150	PASS
n38	30	10	519000	24@0	DFT_QAM256	8.620	9.210	PASS
n38	30	10	519000	24@0	CP_QPSK	8.620	9.290	PASS
n38	30	10	523000	24@0	DFT_BPSK	8.640	9.230	PASS
n38	30	10	523000	24@0	DFT_QPSK	8.610	9.200	PASS
n38	30	10	523000	24@0	DFT_QAM16	8.620	9.200	PASS
n38	30	10	523000	24@0	DFT_QAM64	8.600	9.220	PASS
n38	30	10	523000	24@0	DFT_QAM256	8.620	9.240	PASS
n38	30	10	523000	24@0	CP_QPSK	8.620	9.200	PASS
n38	30	15	515500	36@0	DFT_BPSK	13.510	13.710	PASS
n38	30	15	515500	36@0	DFT_QPSK	13.460	13.690	PASS
n38	30	15	515500	36@0	DFT_QAM16	13.530	13.730	PASS
n38	30	15	515500	36@0	DFT_QAM64	13.460	13.740	PASS
n38	30	15	515500	36@0	DFT_QAM256	13.510	13.840	PASS
n38	30	15	515500	38@0	CP_QPSK	13.640	14.410	PASS
n38	30	15	519000	36@0	DFT_BPSK	13.470	13.730	PASS
n38	30	15	519000	36@0	DFT_QPSK	13.470	13.730	PASS
n38	30	15	519000	36@0	DFT_QAM16	13.520	13.740	PASS
n38	30	15	519000	36@0	DFT_QAM64	13.470	13.800	PASS
n38	30	15	519000	36@0	DFT_QAM256	13.520	13.740	PASS
n38	30	15	519000	38@0	CP_QPSK	13.640	14.420	PASS
n38	30	15	522500	36@0	DFT_BPSK	13.500	13.750	PASS
n38	30	15	522500	36@0	DFT_QPSK	13.510	13.750	PASS
n38	30	15	522500	36@0	DFT_QAM16	13.530	13.760	PASS
n38	30	15	522500	36@0	DFT_QAM64	13.460	13.750	PASS
n38	30	15	522500	36@0	DFT_QAM256	13.470	13.750	PASS
n38	30	15	522500	38@0	CP_QPSK	13.640	14.420	PASS
n38	30	20	516000	50@0	DFT_BPSK	18.100	18.910	PASS
n38	30	20	516000	50@0	DFT_QPSK	18.030	18.940	PASS
n38	30	20	516000	50@0	DFT_QAM16	18.040	18.940	PASS

n38	30	20	516000	50@0	DFT_QAM64	18.030	18.950	PASS
n38	30	20	516000	50@0	DFT_QAM256	18.100	18.940	PASS
n38	30	20	516000	51@0	CP_QPSK	18.270	19.290	PASS
n38	30	20	519000	50@0	DFT_BPSK	18.090	18.920	PASS
n38	30	20	519000	50@0	DFT_QPSK	18.100	18.940	PASS
n38	30	20	519000	50@0	DFT_QAM16	18.120	18.950	PASS
n38	30	20	519000	50@0	DFT_QAM64	18.120	18.950	PASS
n38	30	20	519000	50@0	DFT_QAM256	18.110	18.940	PASS
n38	30	20	519000	51@0	CP_QPSK	18.270	19.300	PASS
n38	30	20	522000	50@0	DFT_BPSK	18.020	18.910	PASS
n38	30	20	522000	50@0	DFT_QPSK	18.020	18.930	PASS
n38	30	20	522000	50@0	DFT_QAM16	18.030	18.920	PASS
n38	30	20	522000	50@0	DFT_QAM64	18.030	18.930	PASS
n38	30	20	522000	50@0	DFT_QAM256	18.090	18.940	PASS
n38	30	20	522000	51@0	CP_QPSK	18.270	19.300	PASS
n38	30	40	518000	100@0	DFT_BPSK	37.650	37.880	PASS
n38	30	40	518000	100@0	DFT_QPSK	37.610	37.920	PASS
n38	30	40	518000	100@0	DFT_QAM16	37.640	37.900	PASS
n38	30	40	518000	100@0	DFT_QAM64	37.610	37.900	PASS
n38	30	40	518000	100@0	DFT_QAM256	37.610	37.910	PASS
n38	30	40	518000	106@0	CP_QPSK	37.980	40.050	PASS
n38	30	40	519000	100@0	DFT_BPSK	37.610	37.880	PASS
n38	30	40	519000	100@0	DFT_QPSK	37.630	37.890	PASS
n38	30	40	519000	100@0	DFT_QAM16	37.640	37.920	PASS
n38	30	40	519000	100@0	DFT_QAM64	37.630	37.910	PASS
n38	30	40	519000	100@0	DFT_QAM256	37.610	37.920	PASS
n38	30	40	519000	106@0	CP_QPSK	37.990	40.060	PASS
n38	30	40	520000	100@0	DFT_BPSK	37.640	37.890	PASS
n38	30	40	520000	100@0	DFT_QPSK	37.610	37.910	PASS
n38	30	40	520000	100@0	DFT_QAM16	37.640	37.920	PASS
n38	30	40	520000	100@0	DFT_QAM64	37.610	37.910	PASS
n38	30	40	520000	100@0	DFT_QAM256	37.610	37.890	PASS
n38	30	40	520000	106@0	CP_QPSK	37.990	40.070	PASS

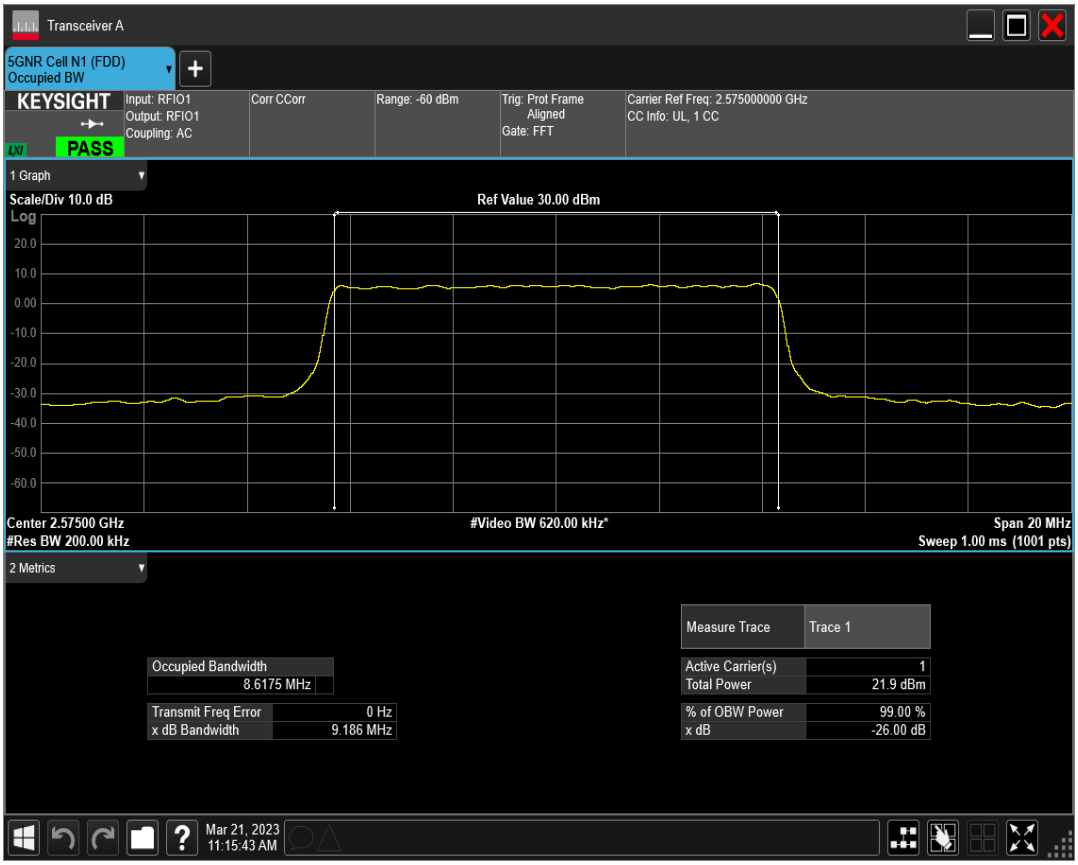
n38 SCS=30kHz DFT_BPSK BW=10MHz Channel=515000 RB=24@0



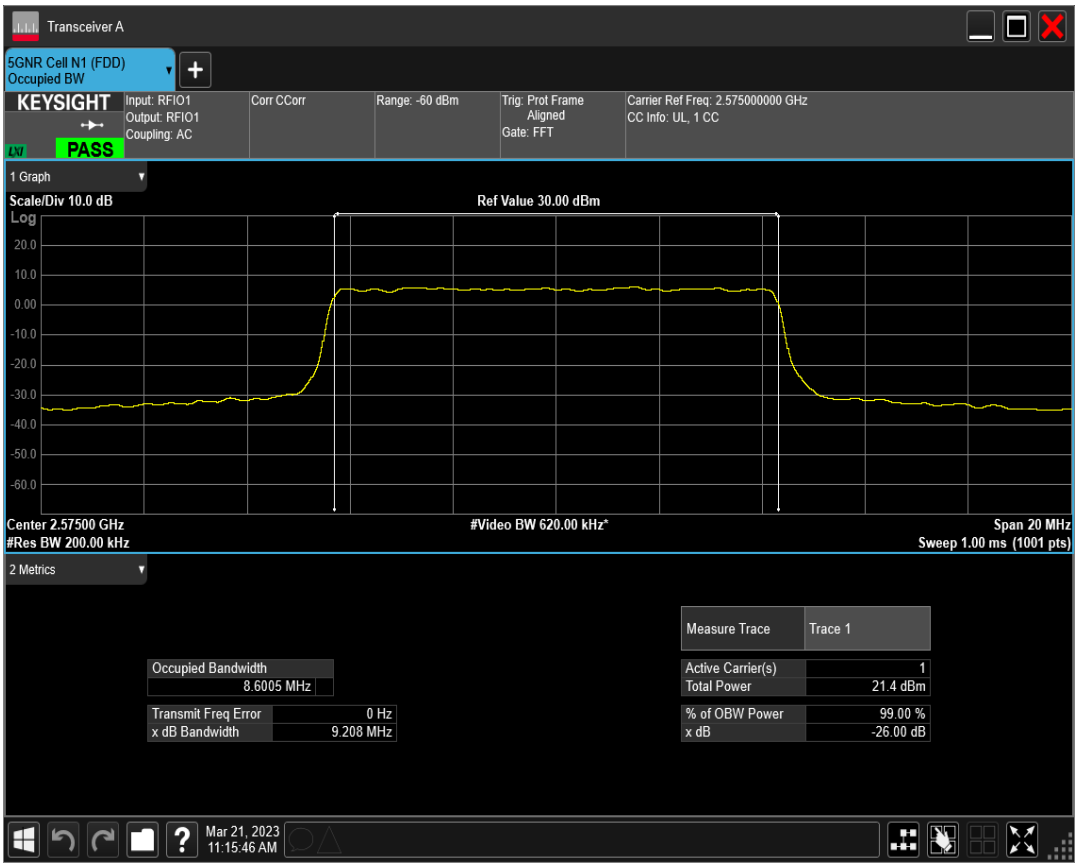
n38 SCS=30kHz DFT_QPSK BW=10MHz Channel=515000 RB=24@0



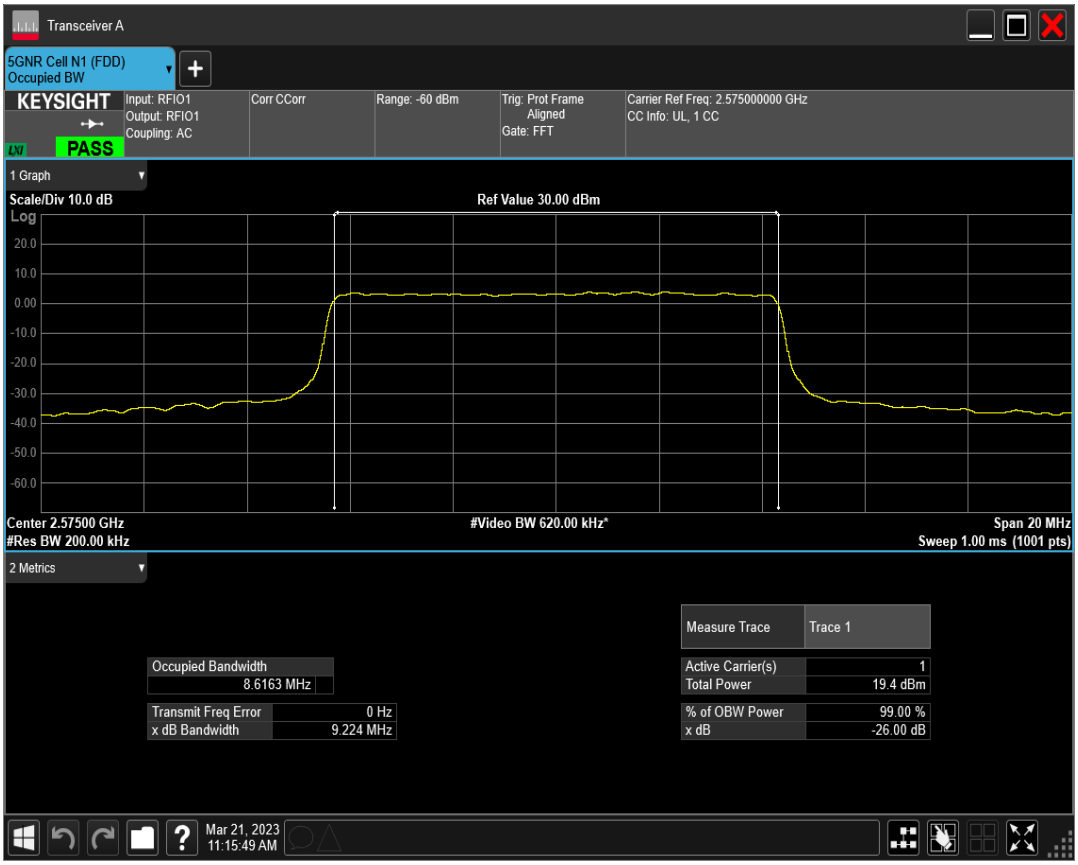
n38 SCS=30kHz DFT_QAM16 BW=10MHz Channel=515000 RB=24@0



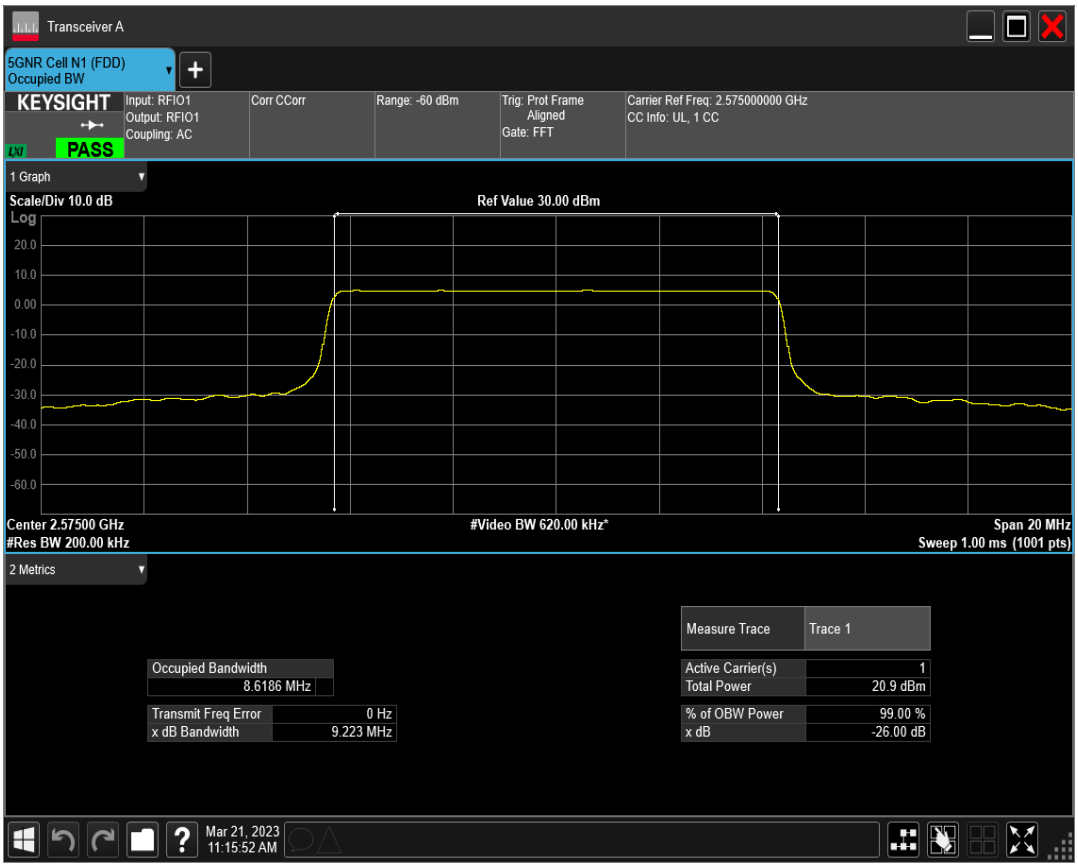
n38 SCS=30kHz DFT_QAM64 BW=10MHz Channel=515000 RB=24@0



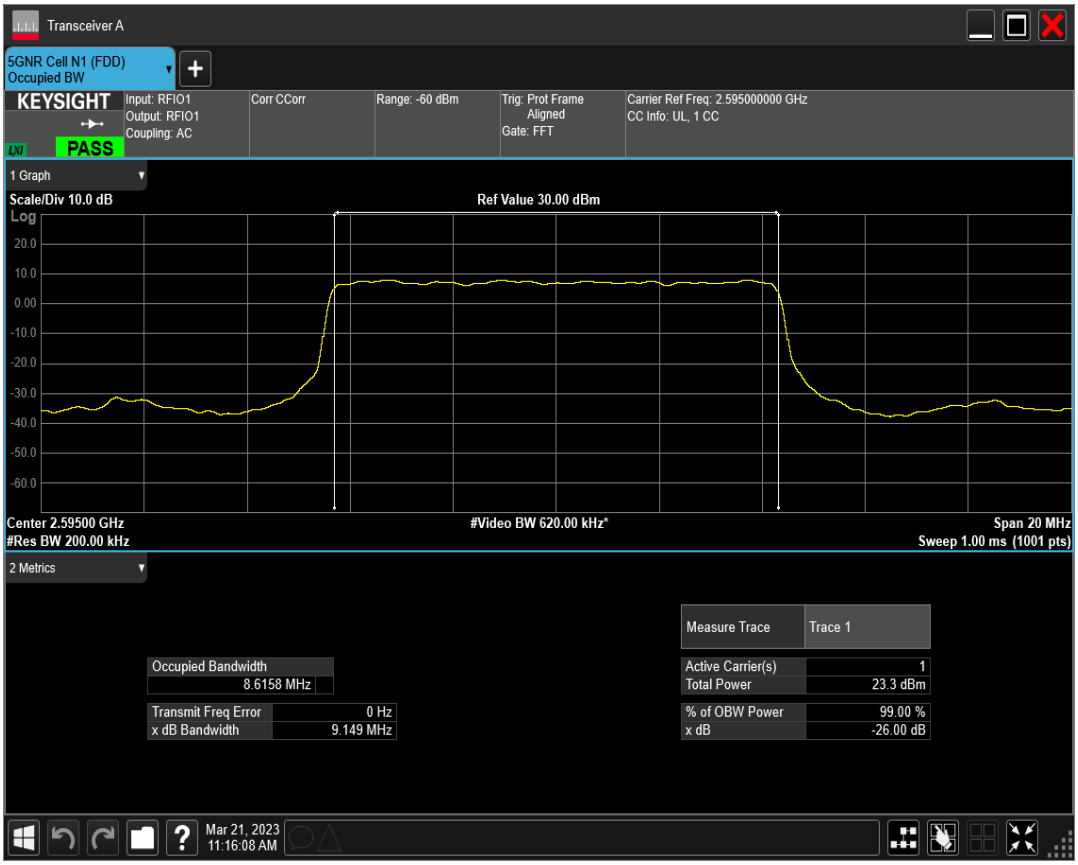
n38 SCS=30kHz DFT_QAM256 BW=10MHz Channel=515000 RB=24@0



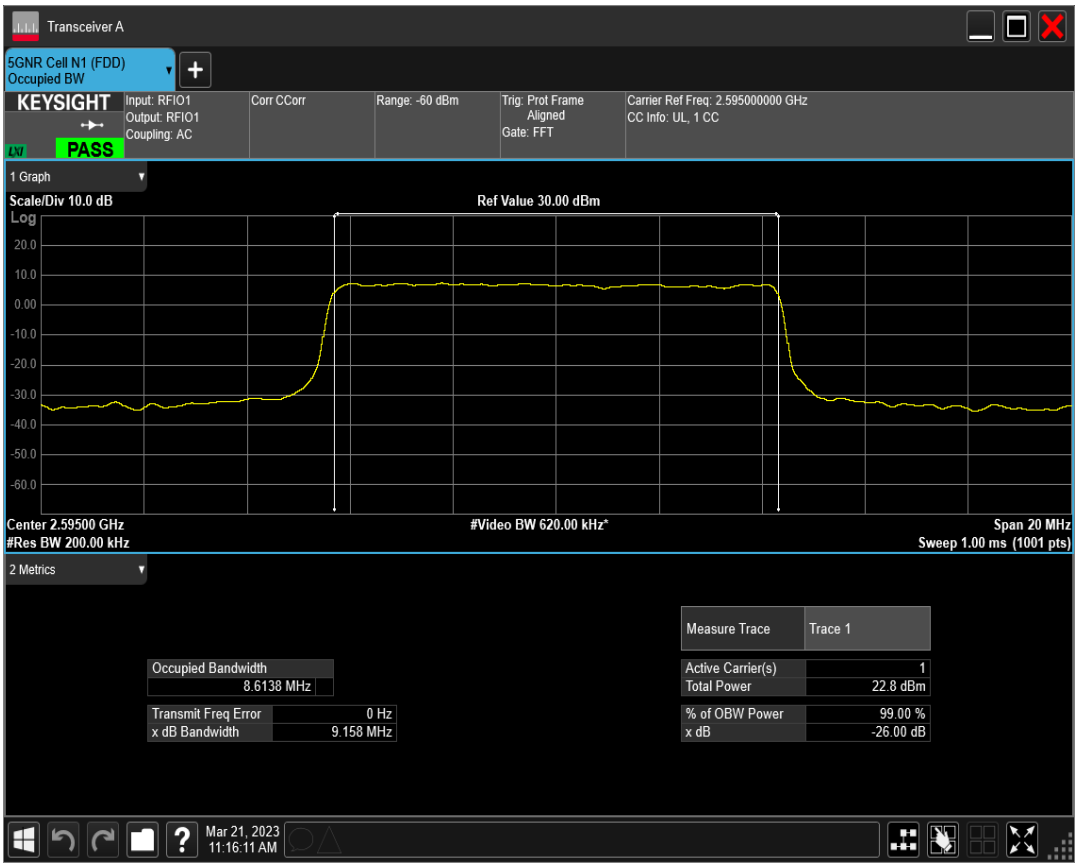
n38 SCS=30kHz CP_QPSK BW=10MHz Channel=515000 RB=24@0



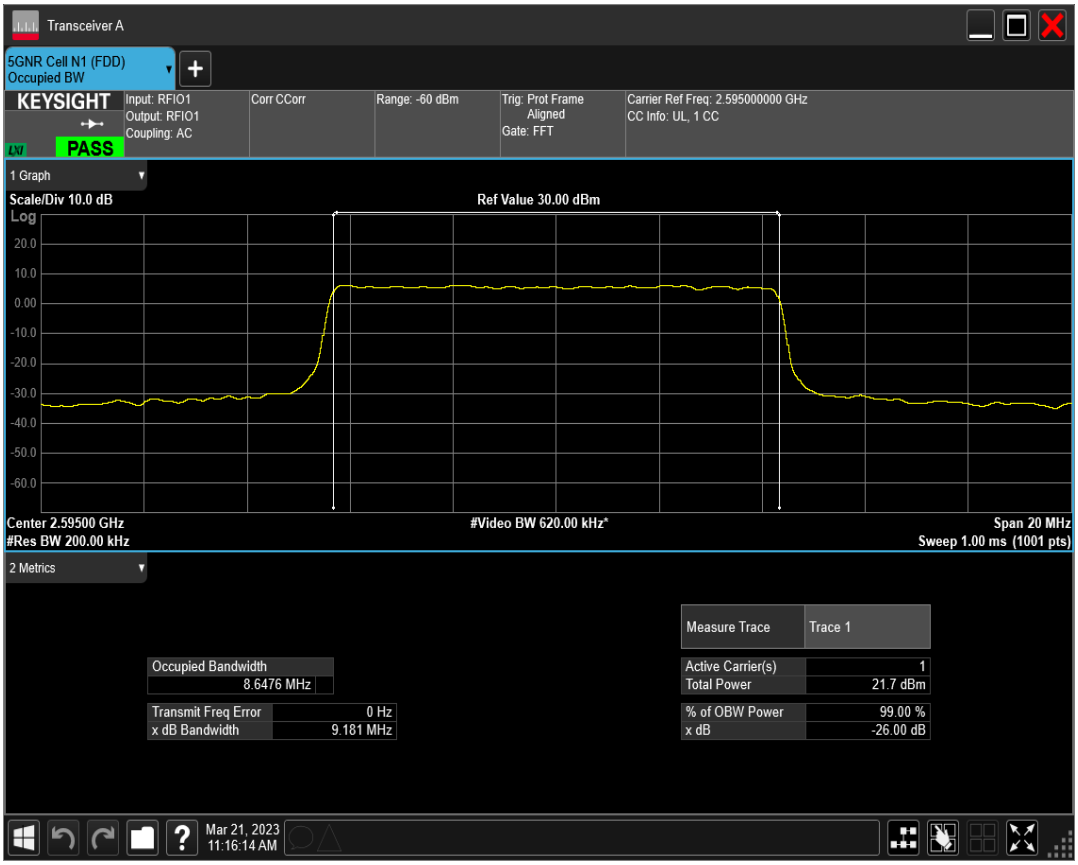
n38 SCS=30kHz DFT_BPSK BW=10MHz Channel=519000 RB=24@0



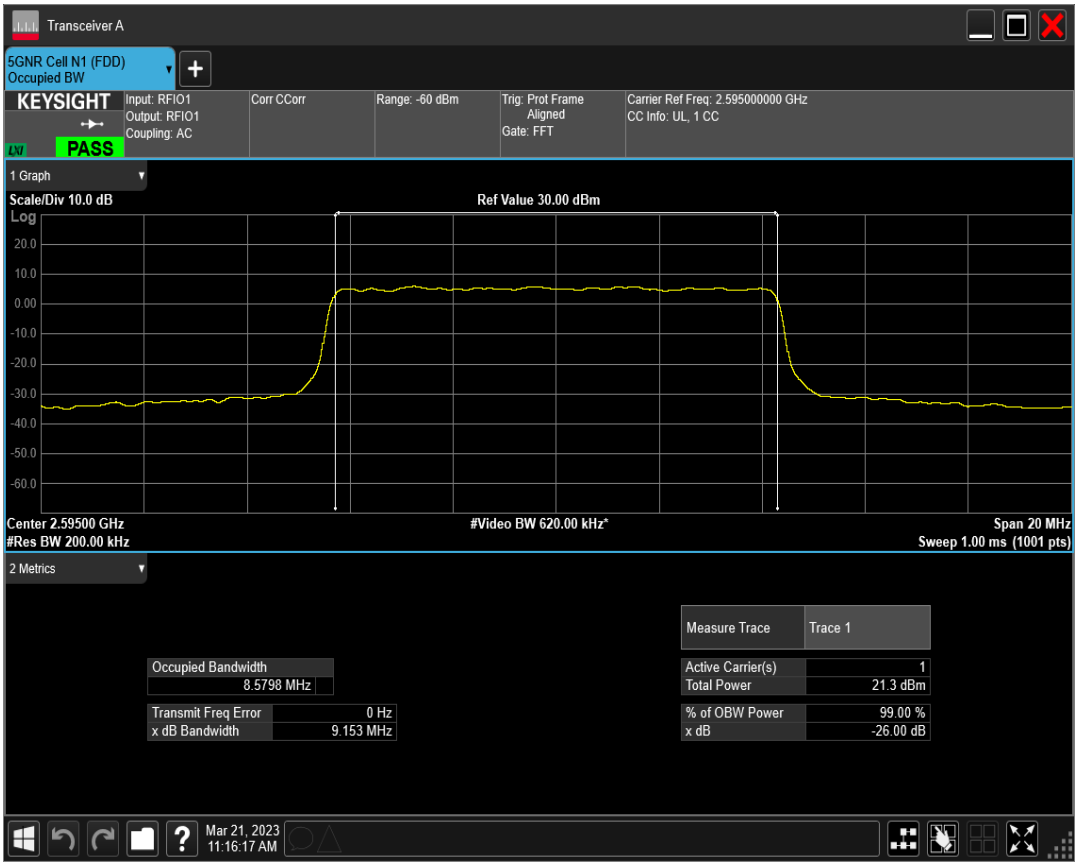
n38 SCS=30kHz DFT_QPSK BW=10MHz Channel=519000 RB=24@0



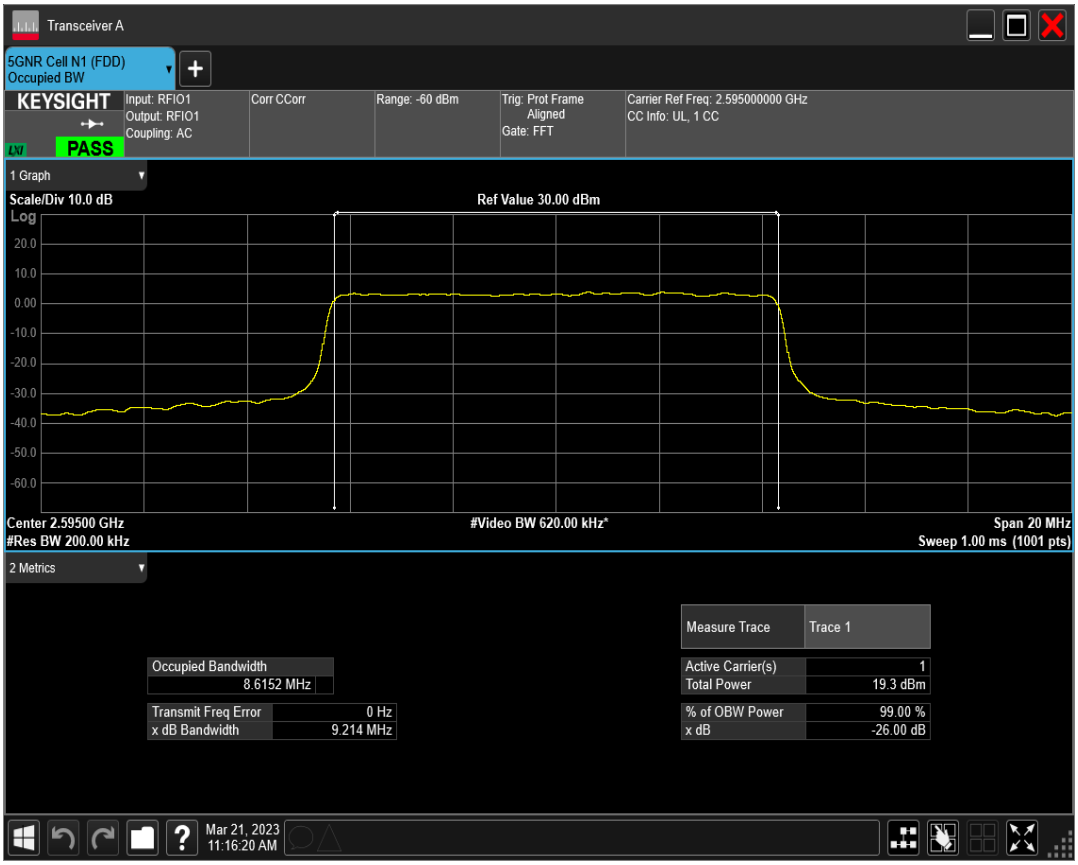
n38 SCS=30kHz DFT_QAM16 BW=10MHz Channel=519000 RB=24@0



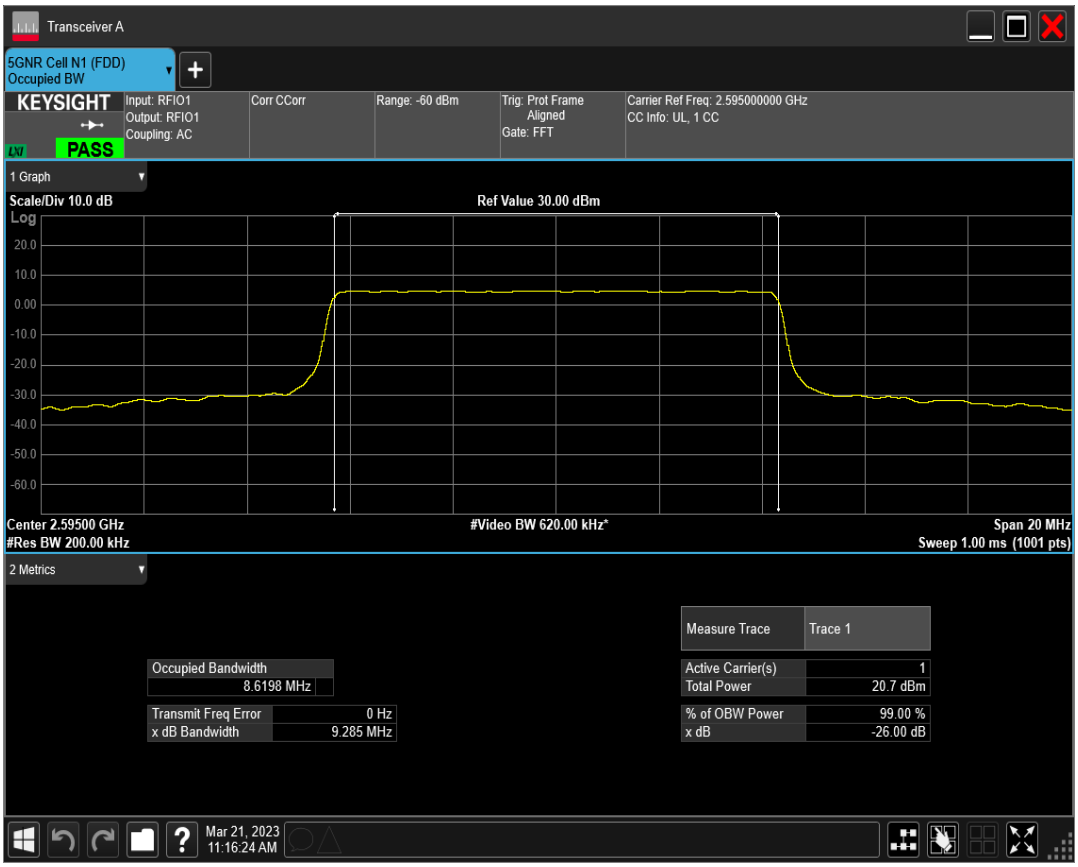
n38 SCS=30kHz DFT_QAM64 BW=10MHz Channel=519000 RB=24@0



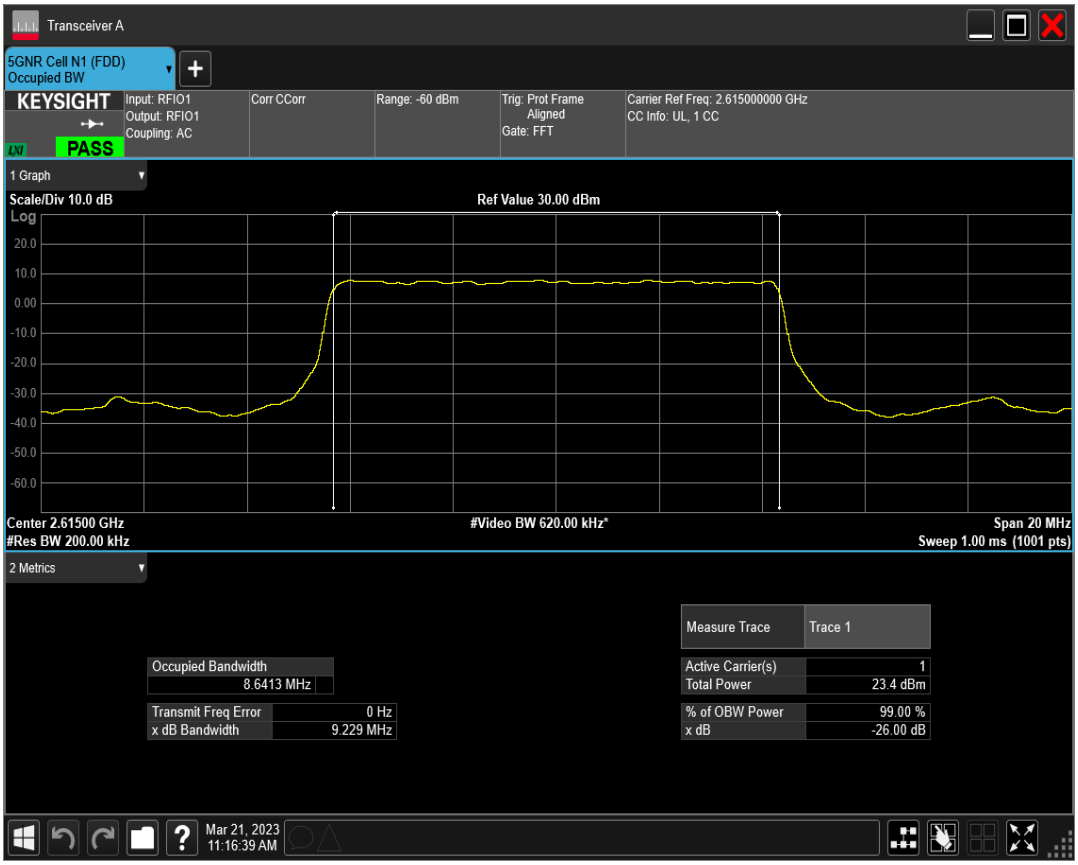
n38 SCS=30kHz DFT_QAM256 BW=10MHz Channel=519000 RB=24@0



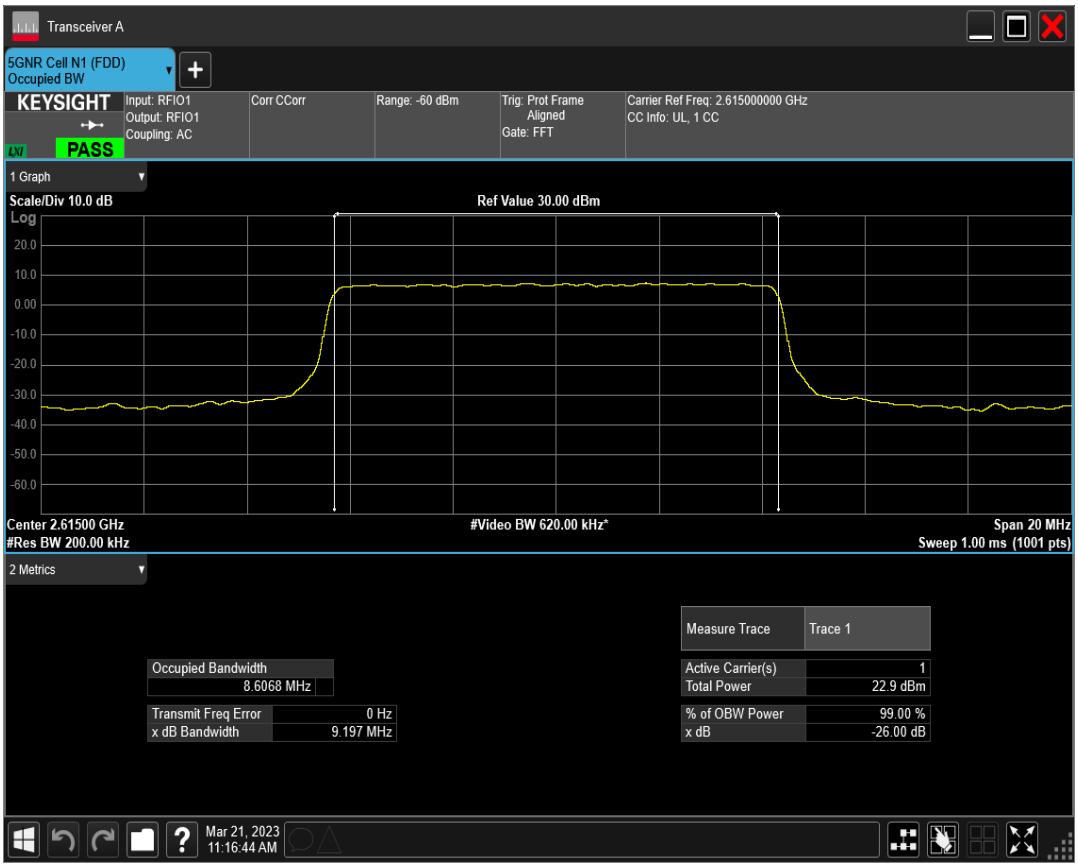
n38 SCS=30kHz CP_QPSK BW=10MHz Channel=519000 RB=24@0



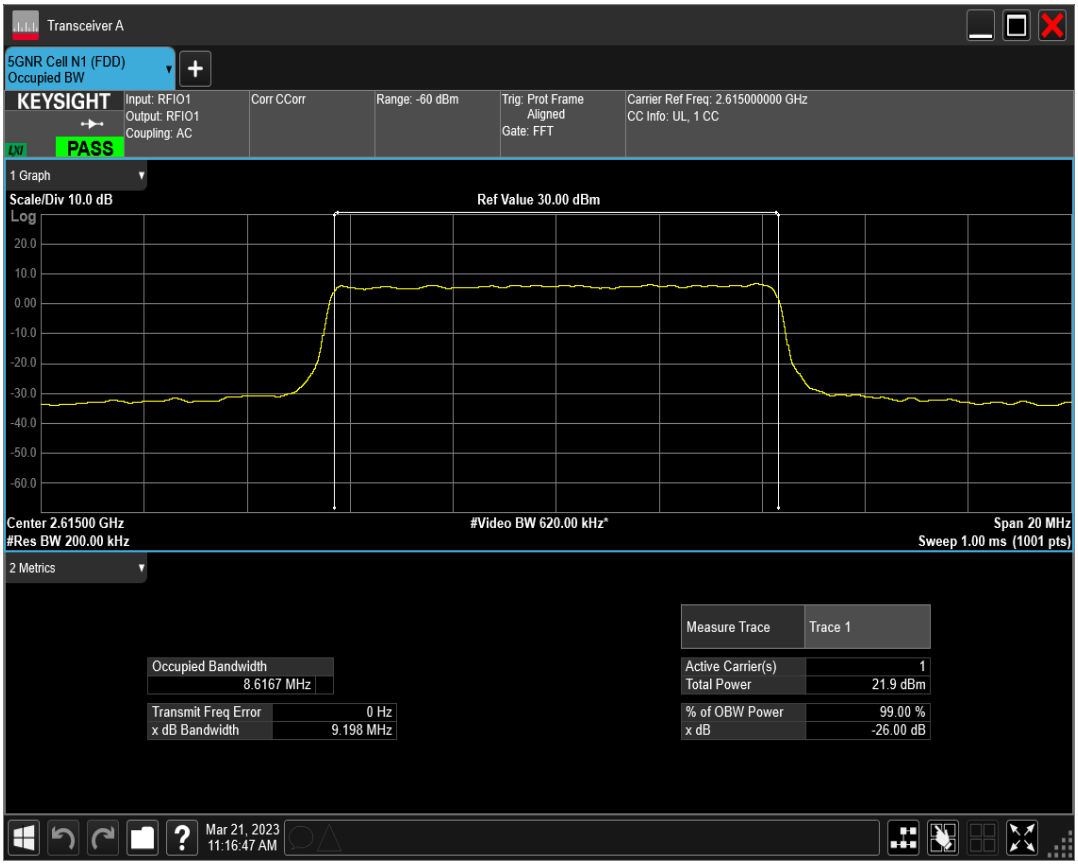
n38 SCS=30kHz DFT_BPSK BW=10MHz Channel=523000 RB=24@0



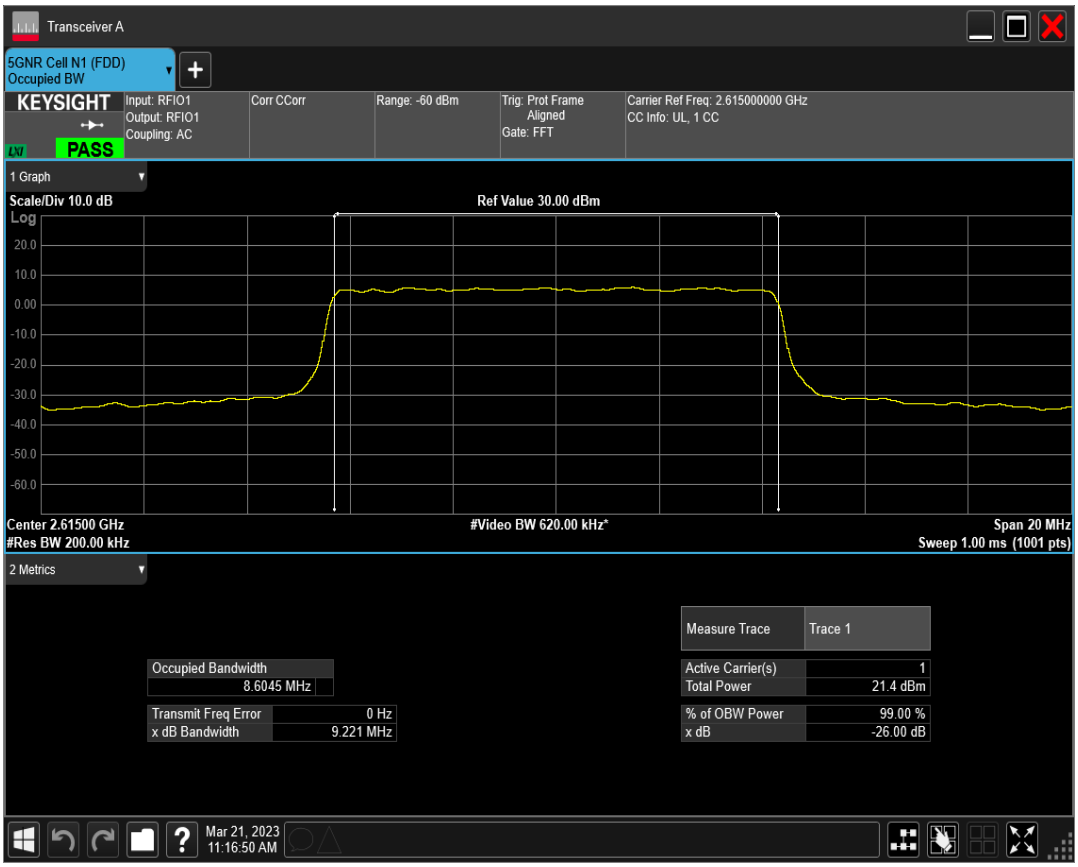
n38 SCS=30kHz DFT_QPSK BW=10MHz Channel=523000 RB=24@0



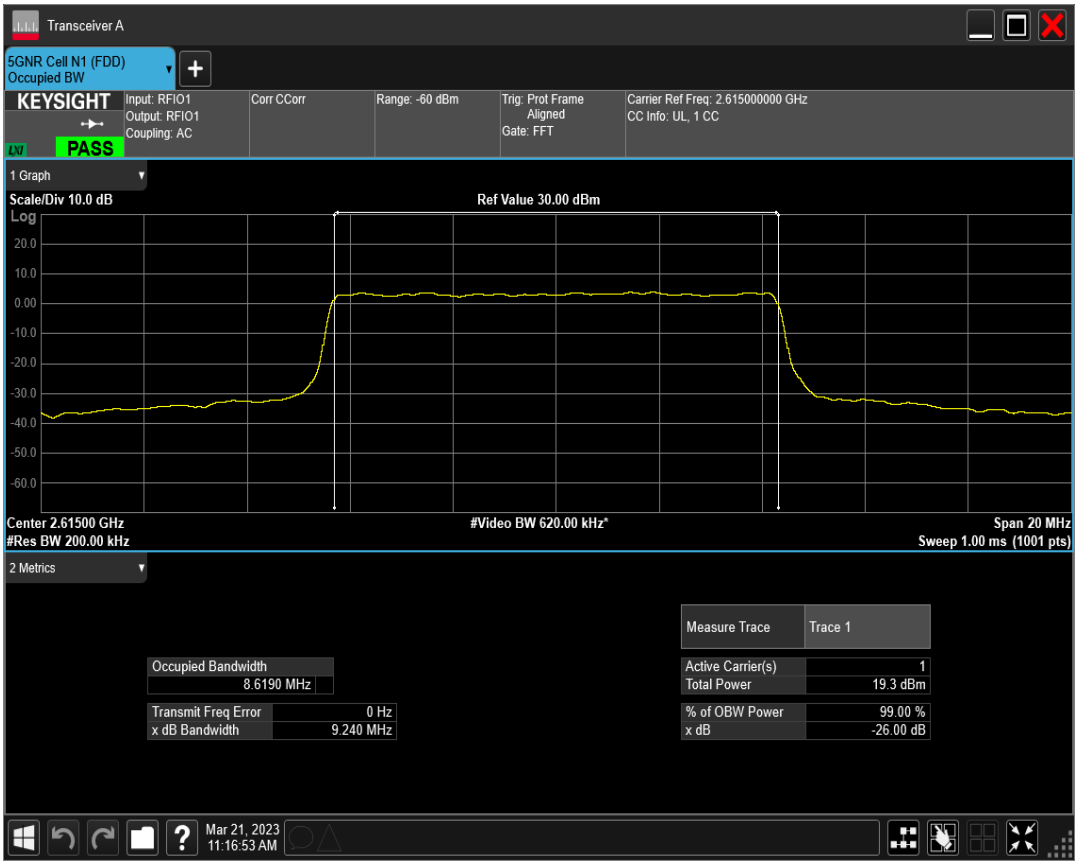
n38 SCS=30kHz DFT_QAM16 BW=10MHz Channel=523000 RB=24@0



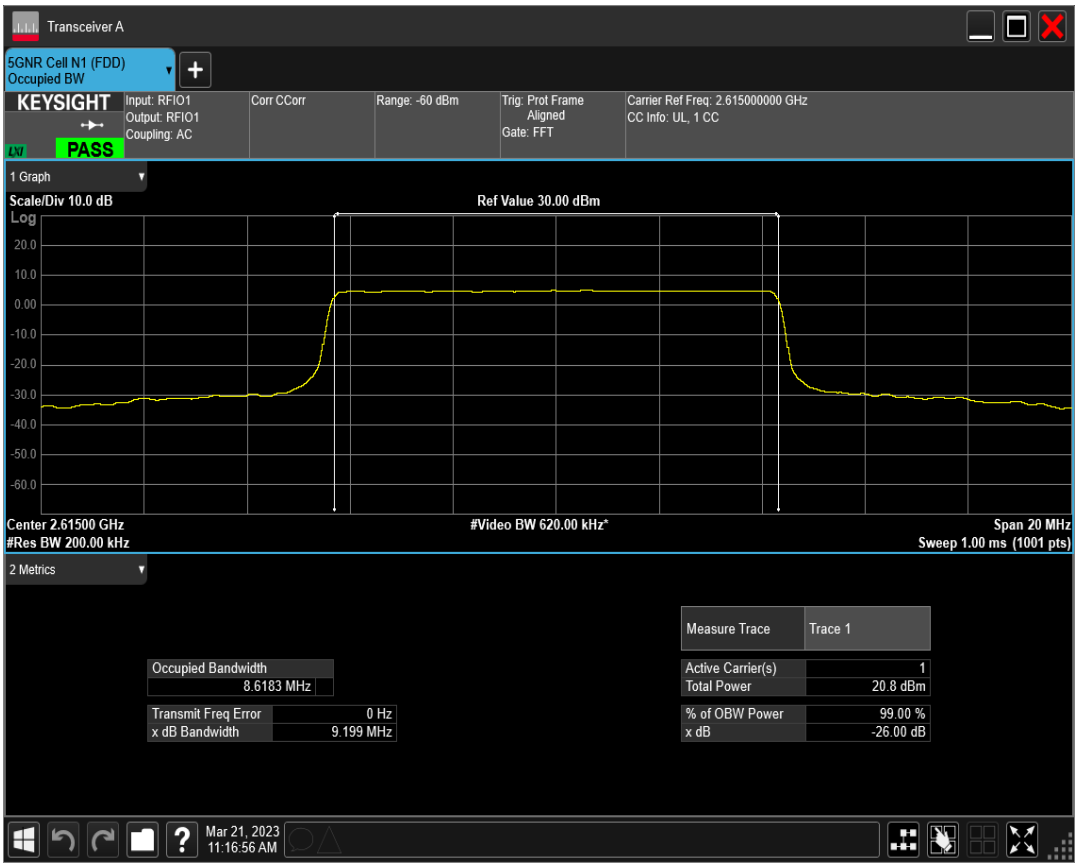
n38 SCS=30kHz DFT_QAM64 BW=10MHz Channel=523000 RB=24@0



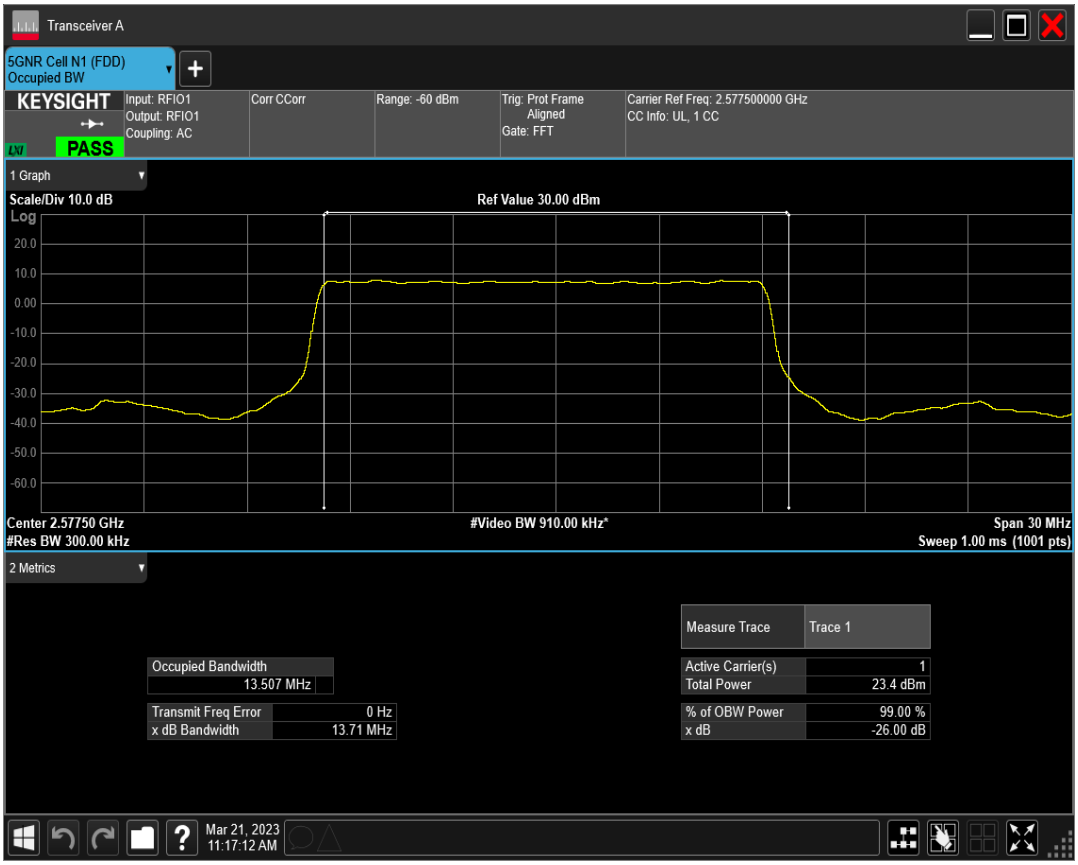
n38 SCS=30kHz DFT_QAM256 BW=10MHz Channel=523000 RB=24@0



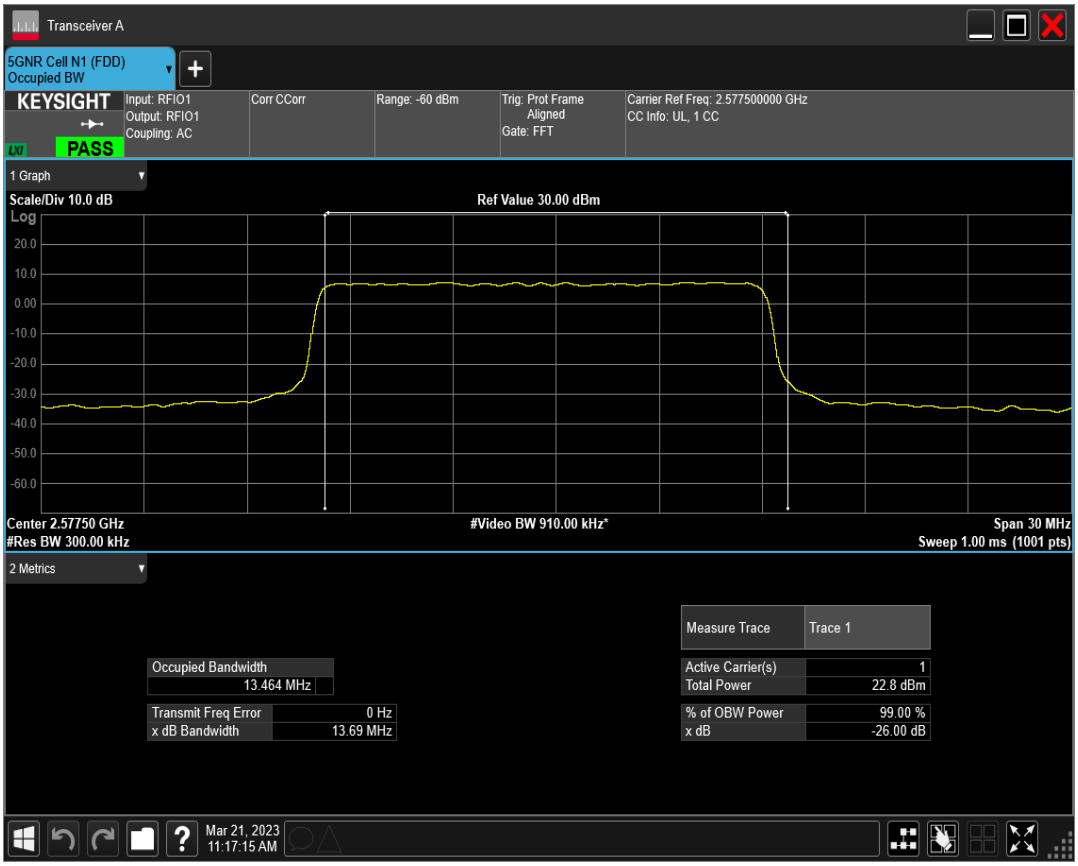
n38 SCS=30kHz CP_QPSK BW=10MHz Channel=523000 RB=24@0



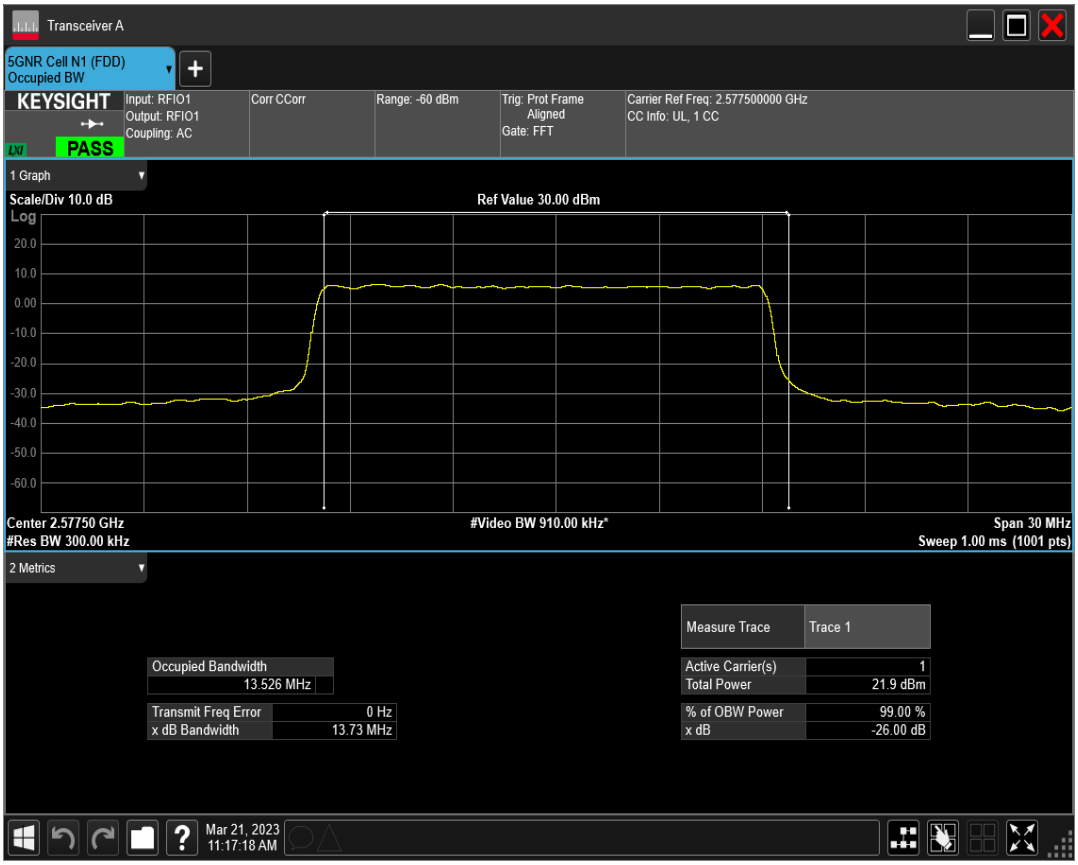
n38 SCS=30kHz DFT_BPSK BW=15MHz Channel=515500 RB=36@0



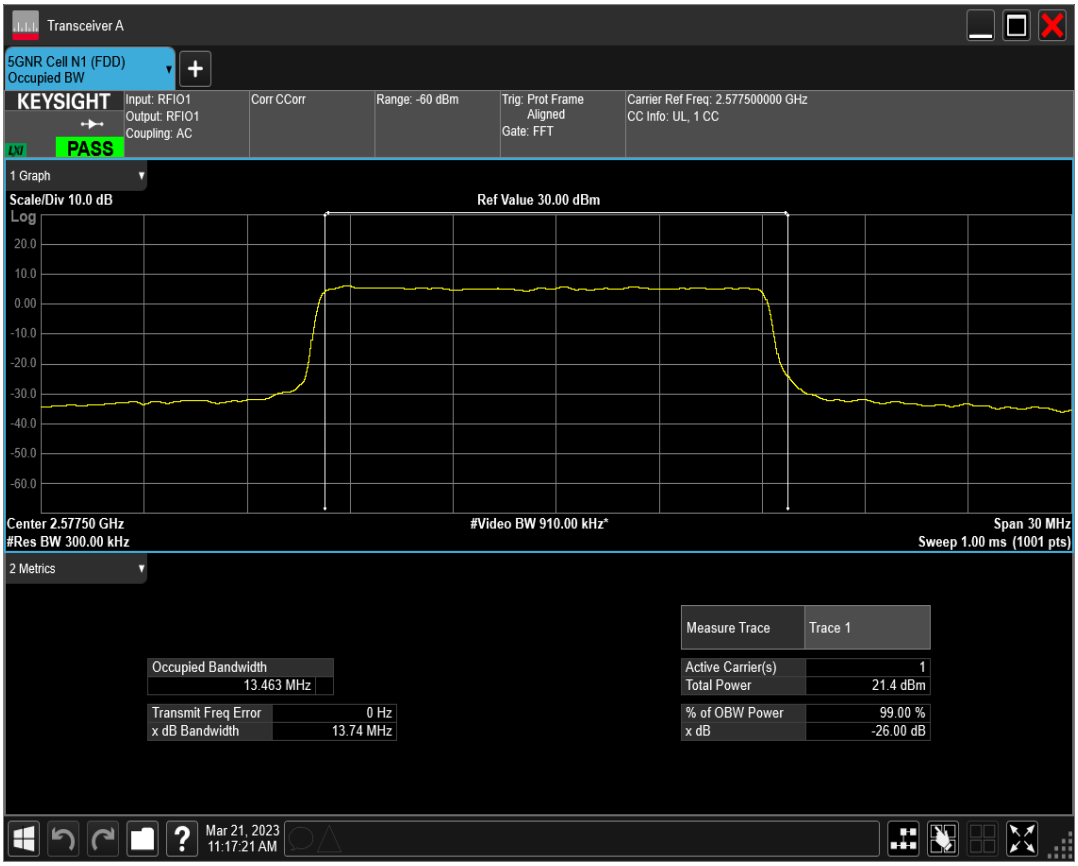
n38 SCS=30kHz DFT_QPSK BW=15MHz Channel=515500 RB=36@0



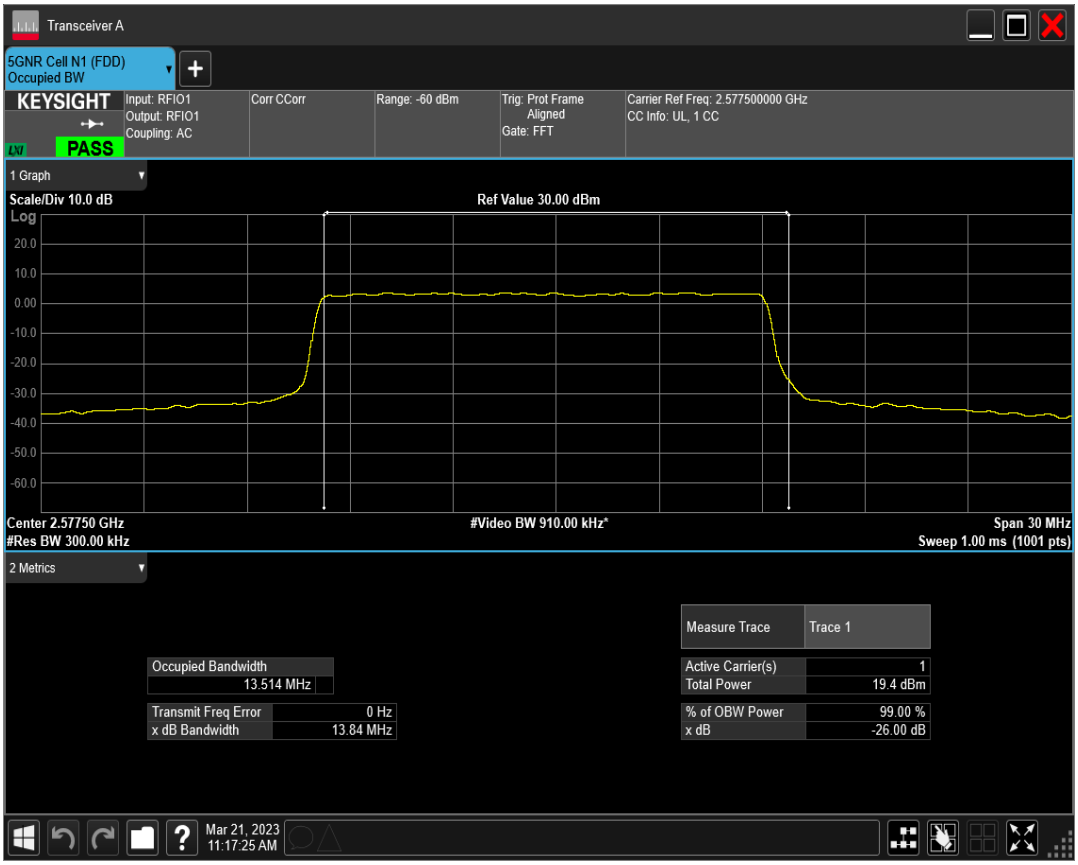
n38 SCS=30kHz DFT_QAM16 BW=15MHz Channel=515500 RB=36@0



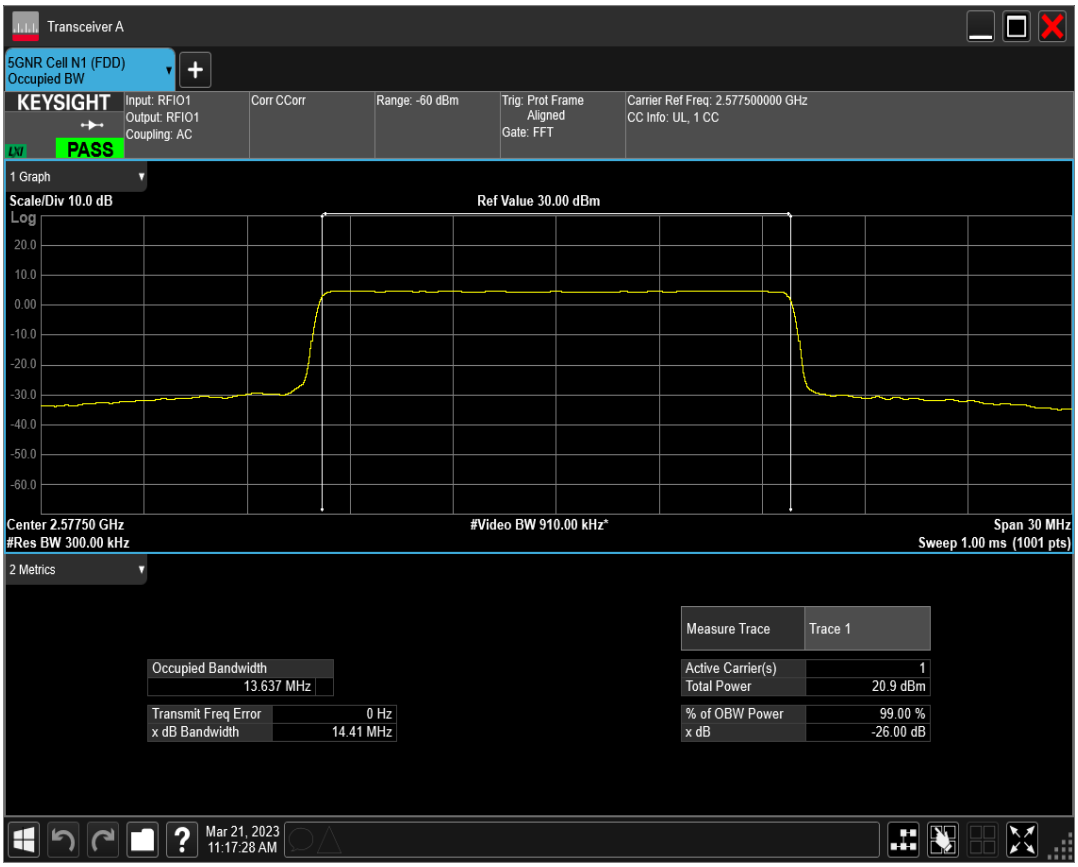
n38 SCS=30kHz DFT_QAM64 BW=15MHz Channel=515500 RB=36@0



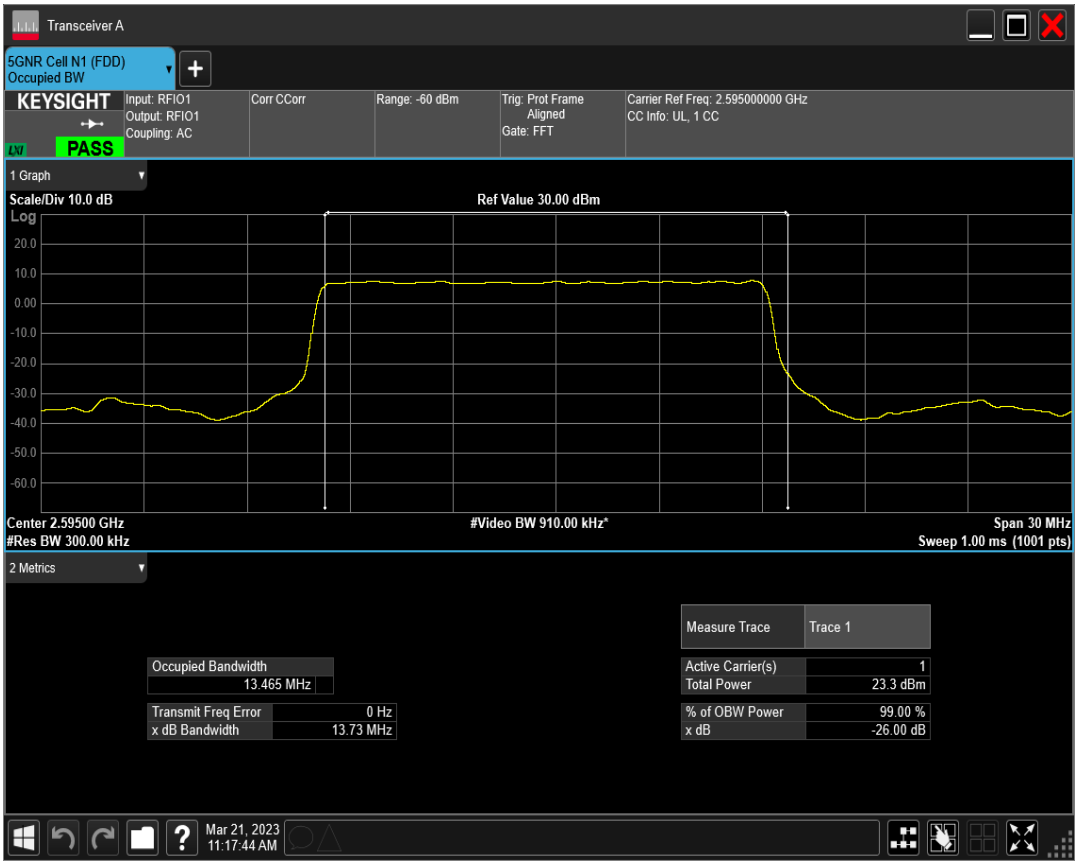
n38 SCS=30kHz DFT_QAM256 BW=15MHz Channel=515500 RB=36@0



n38 SCS=30kHz CP_QPSK BW=15MHz Channel=515500 RB=38@0

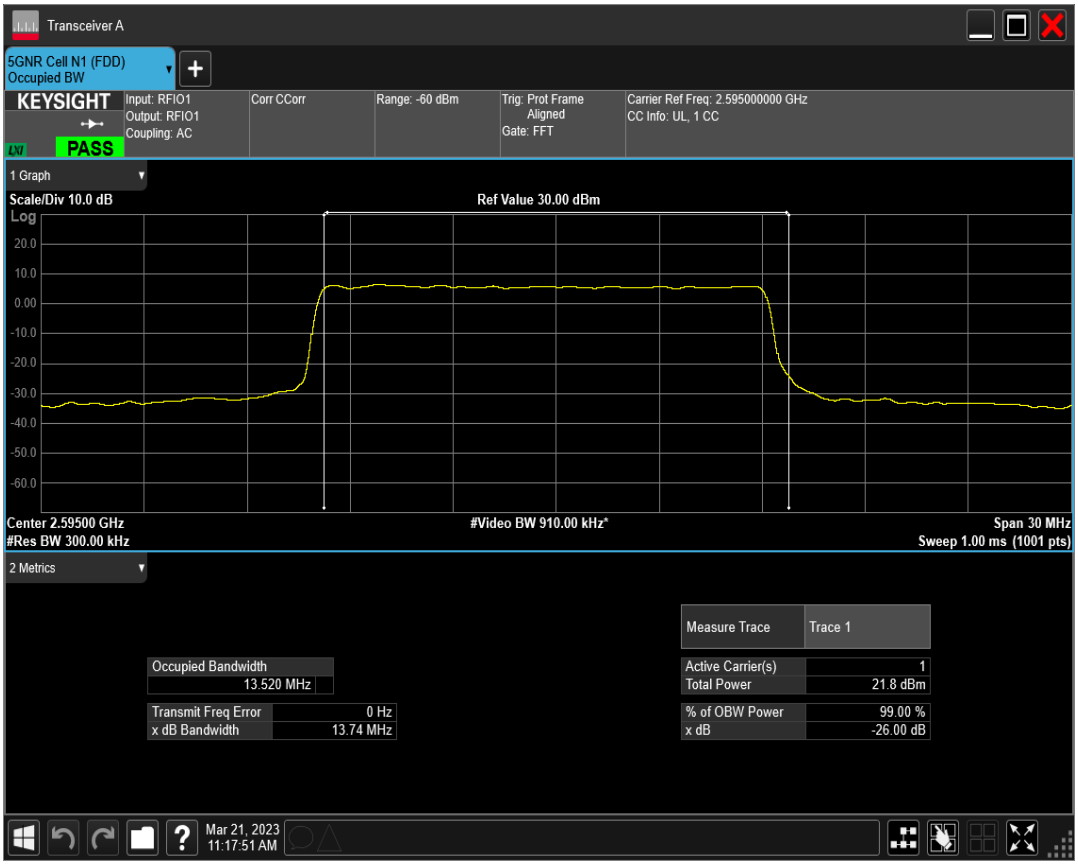


n38 SCS=30kHz DFT_BPSK BW=15MHz Channel=519000 RB=36@0



n38 SCS=30kHz DFT_QPSK BW=15MHz Channel=519000 RB=36@0

n38 SCS=30kHz DFT_QAM16 BW=15MHz Channel=519000 RB=36@0



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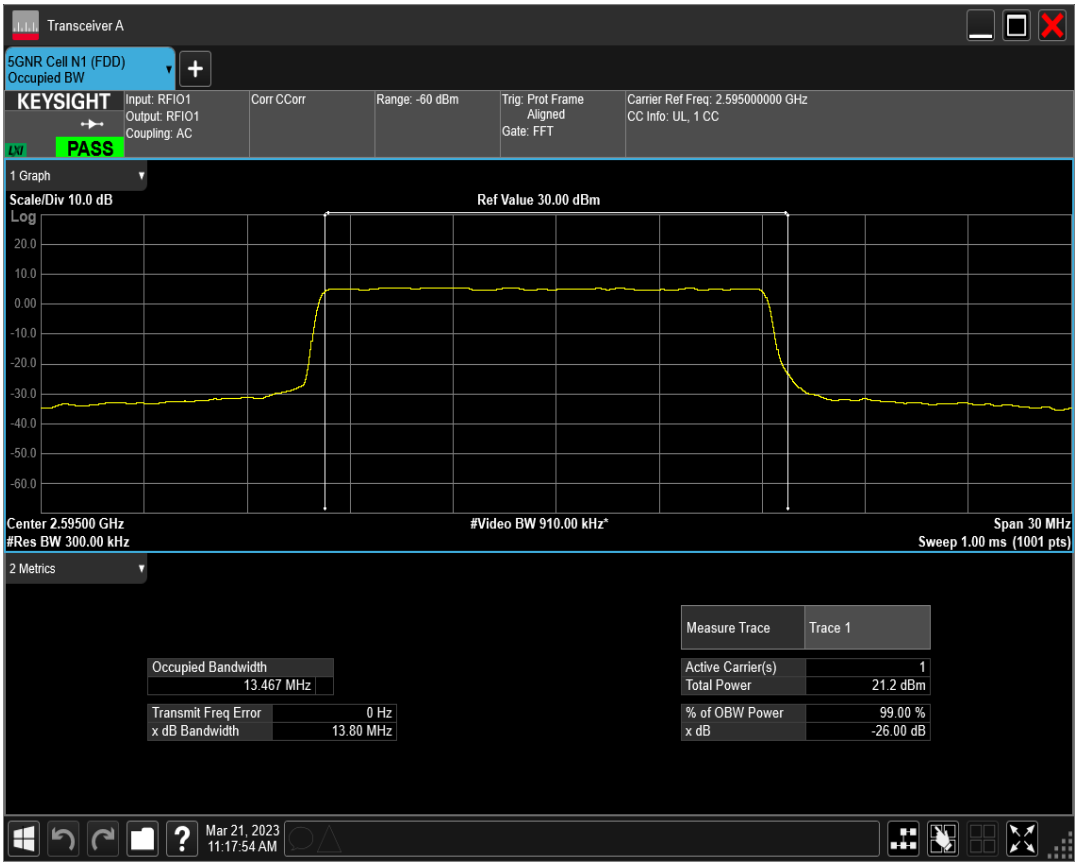
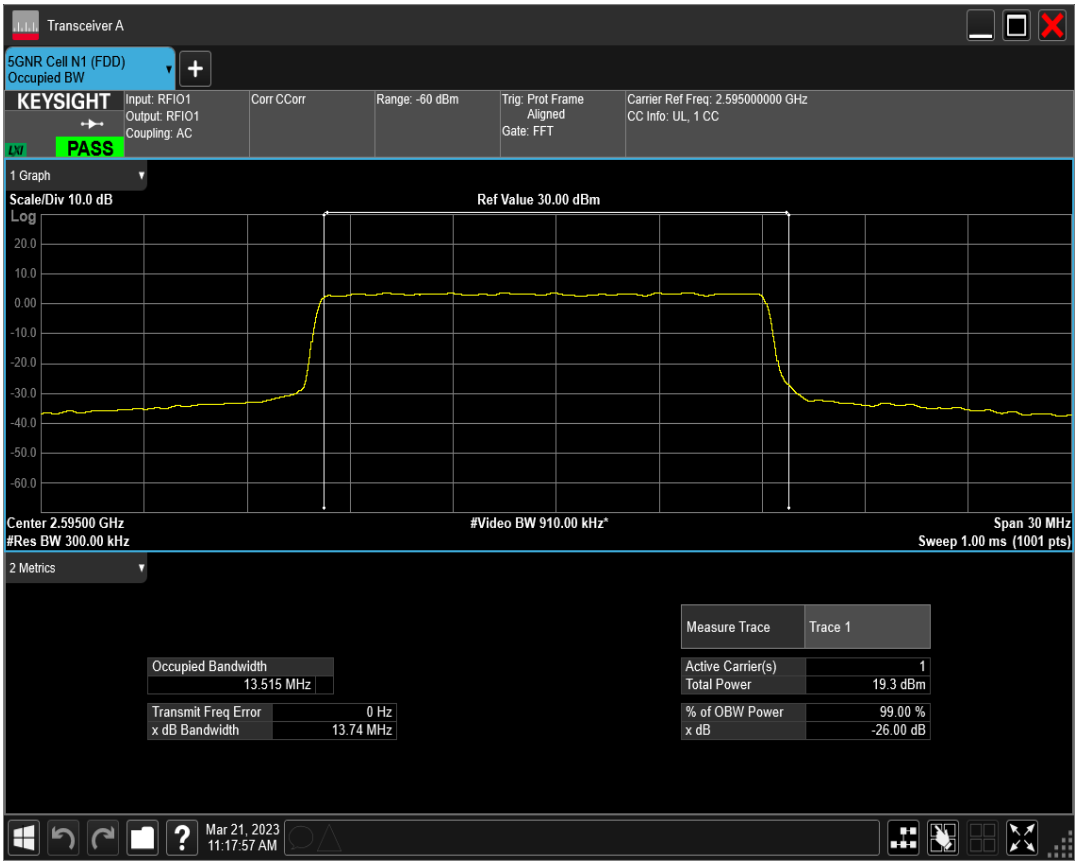
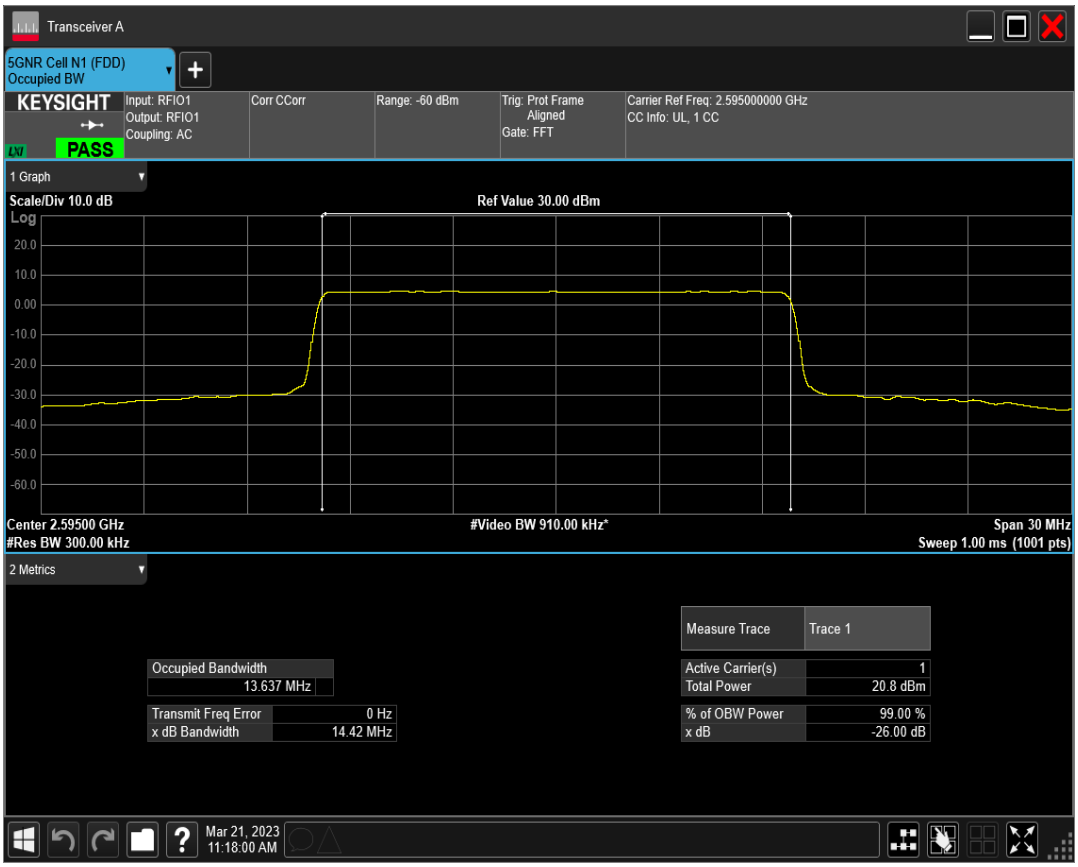


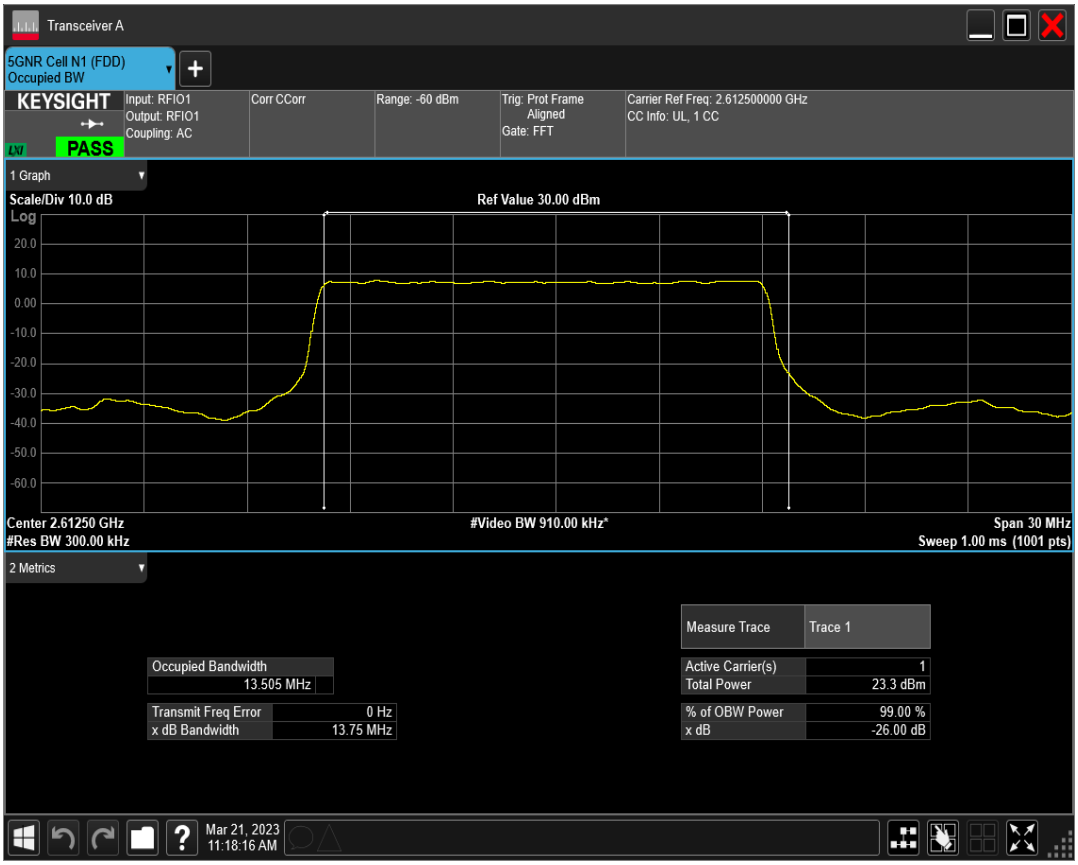
n38 SCS=30kHz DFT_QAM256 BW=15MHz Channel=519000 RB=36@0



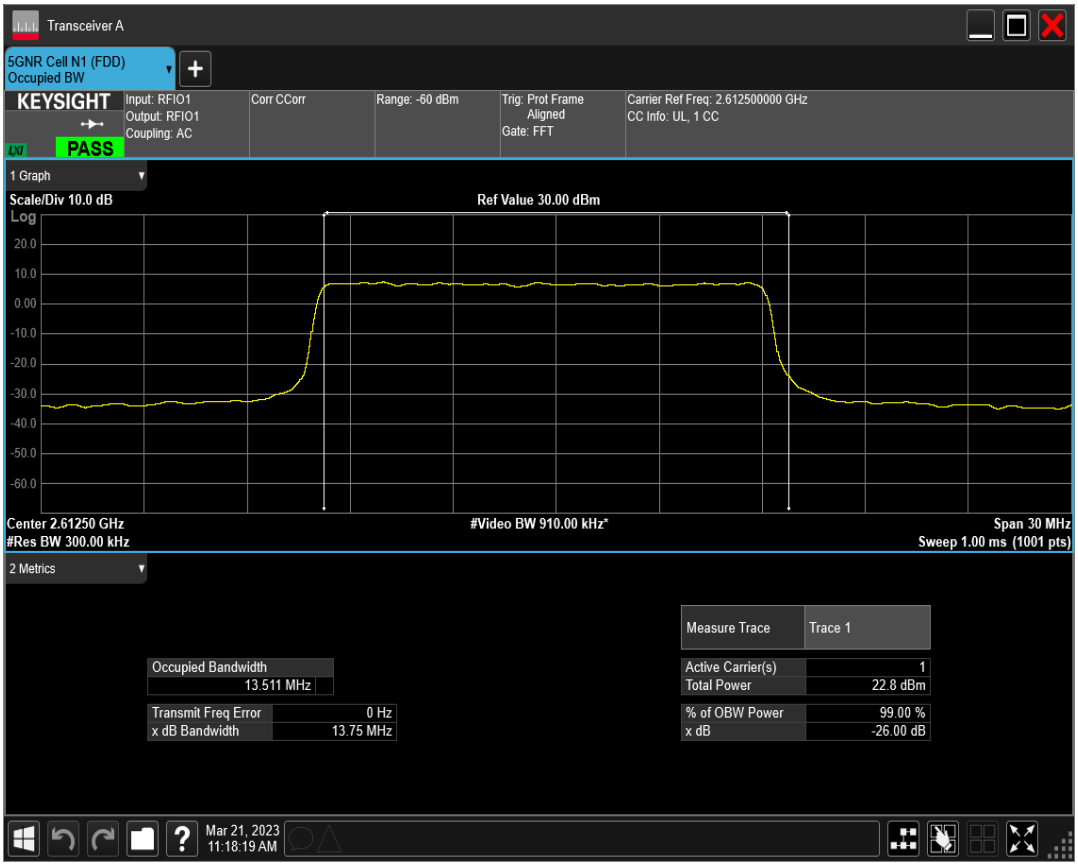
n38 SCS=30kHz CP_QPSK BW=15MHz Channel=519000 RB=38@0



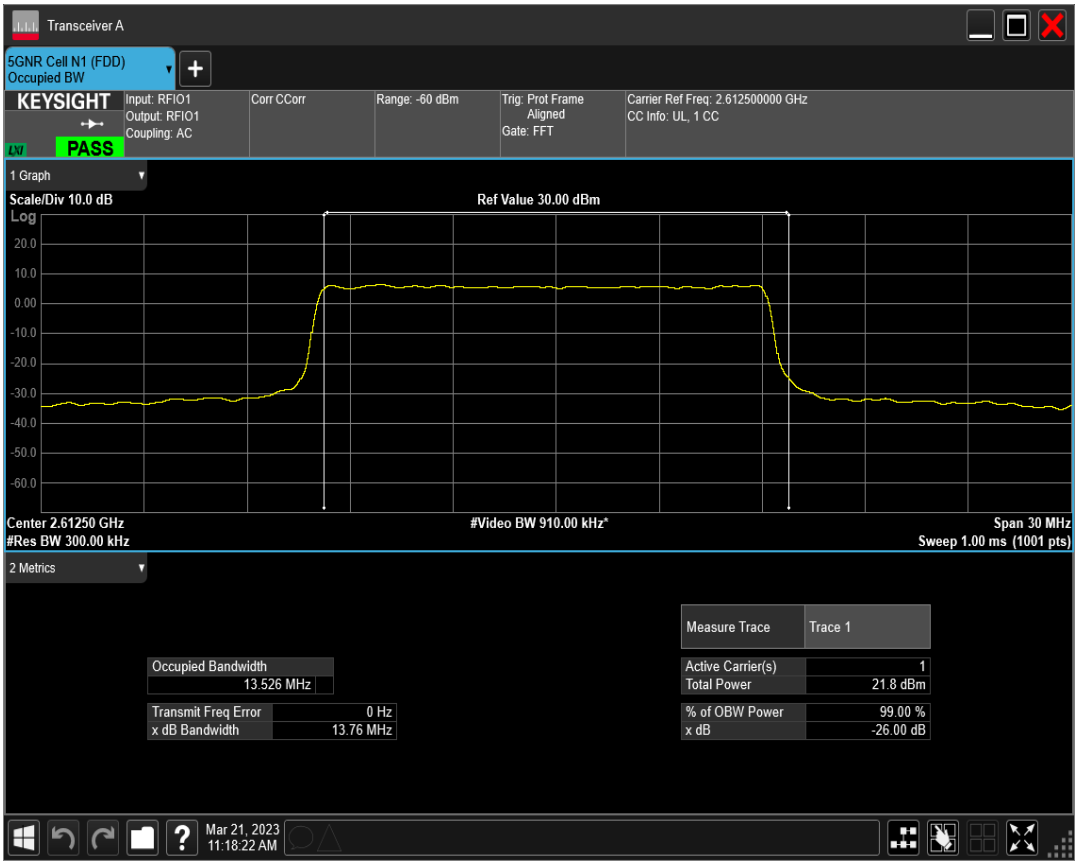
n38 SCS=30kHz DFT_BPSK BW=15MHz Channel=522500 RB=36@0



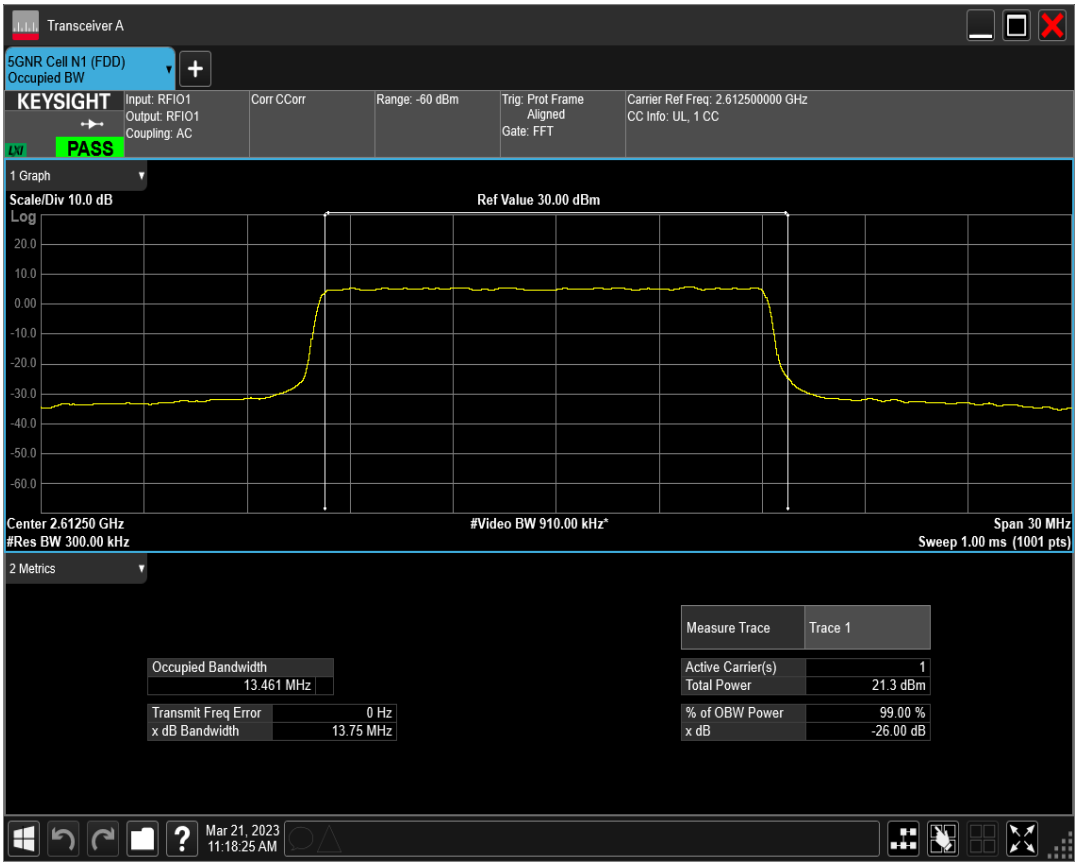
n38 SCS=30kHz DFT_QPSK BW=15MHz Channel=522500 RB=36@0



n38 SCS=30kHz DFT_QAM16 BW=15MHz Channel=522500 RB=36@0



n38 SCS=30kHz DFT_QAM64 BW=15MHz Channel=522500 RB=36@0



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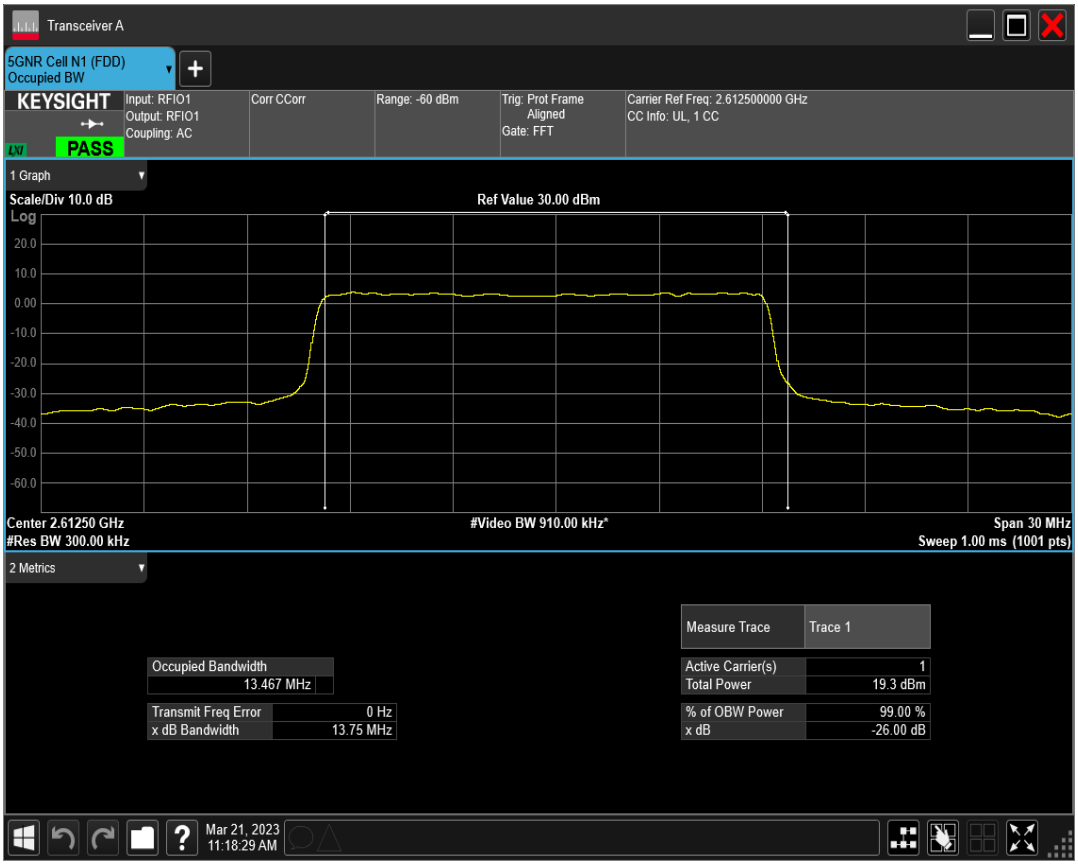
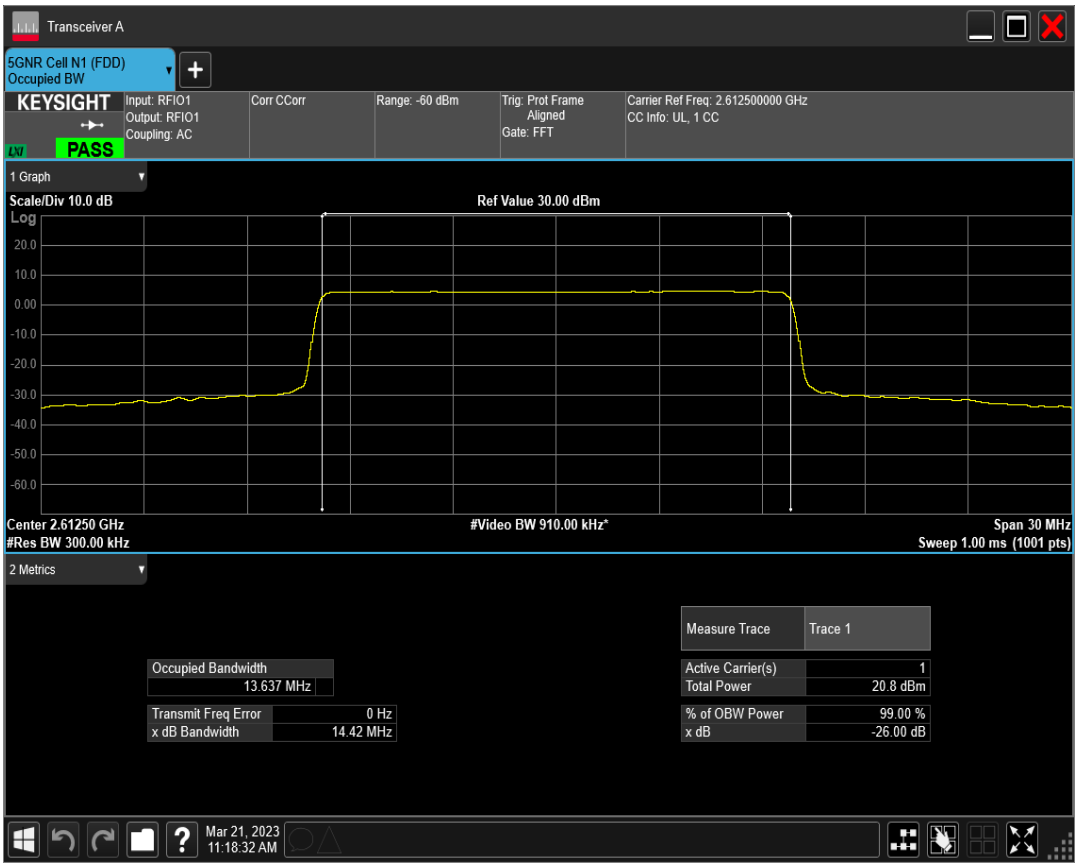
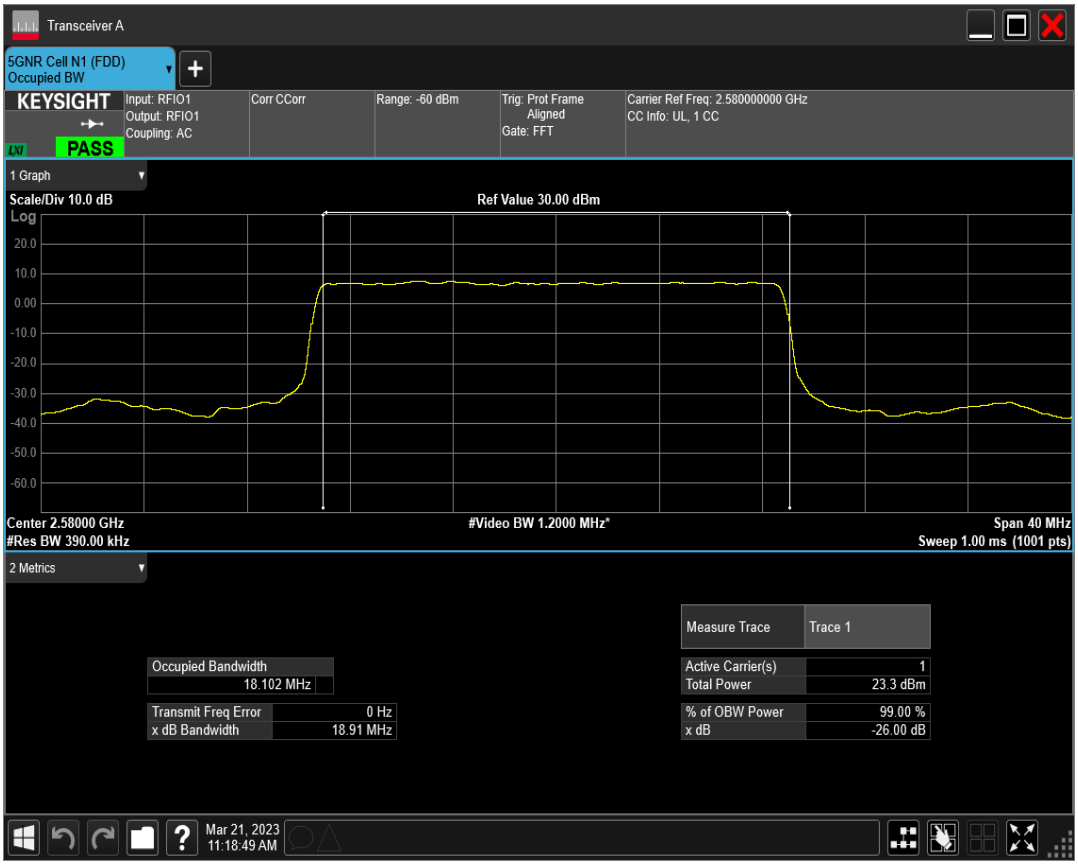


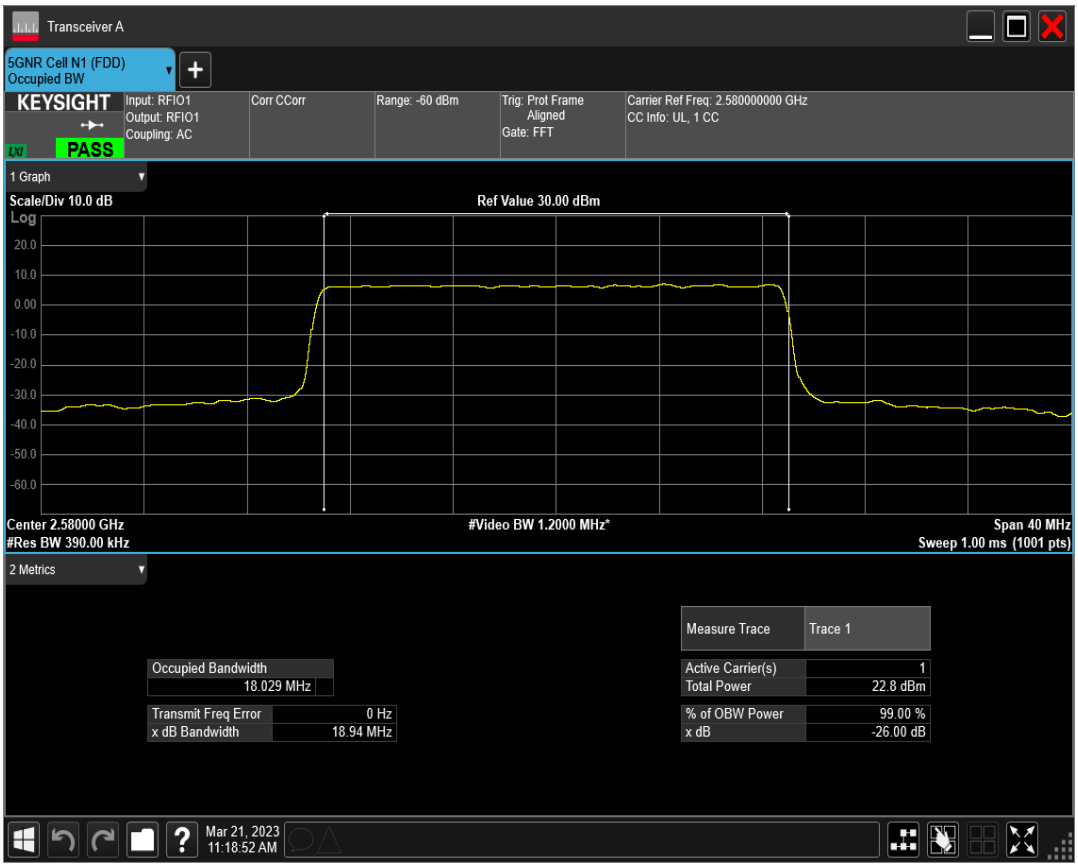
n38 SCS=30kHz CP_QPSK BW=15MHz Channel=522500 RB=38@0



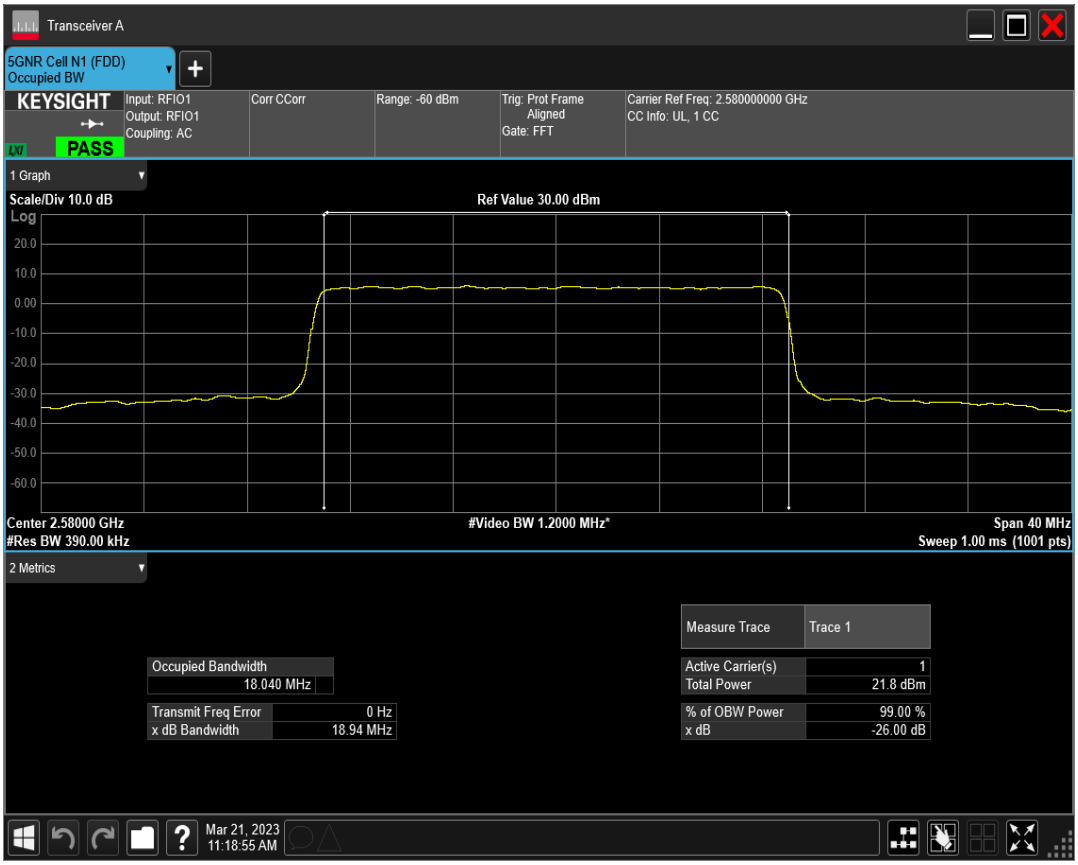
n38 SCS=30kHz DFT_BPSK BW=20MHz Channel=516000 RB=50@0



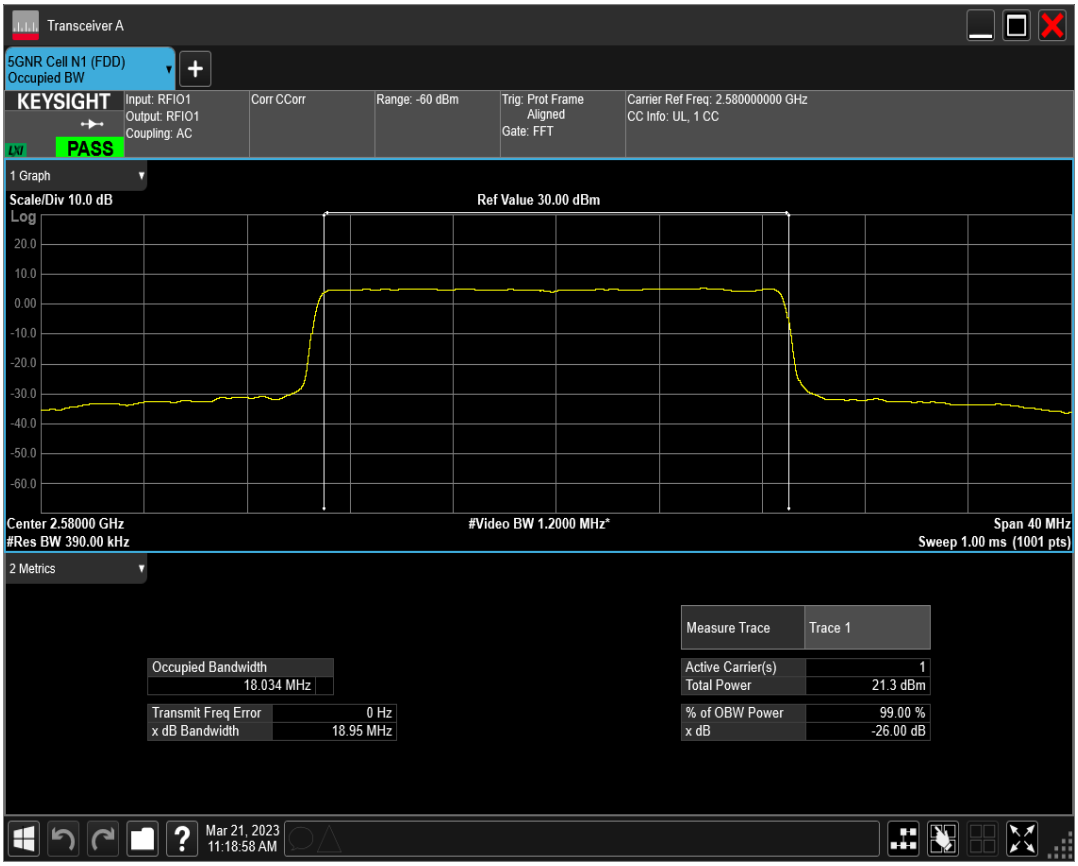
n38 SCS=30kHz DFT_QPSK BW=20MHz Channel=516000 RB=50@0



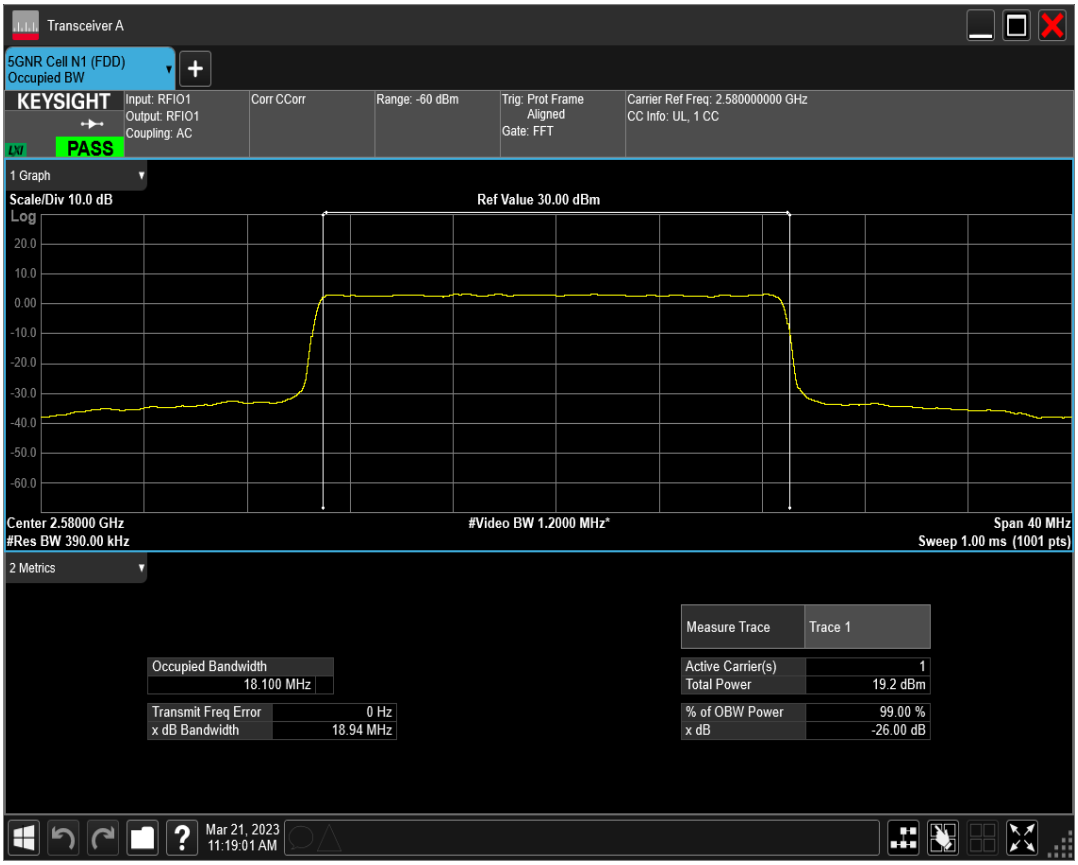
n38 SCS=30kHz DFT_QAM16 BW=20MHz Channel=516000 RB=50@0



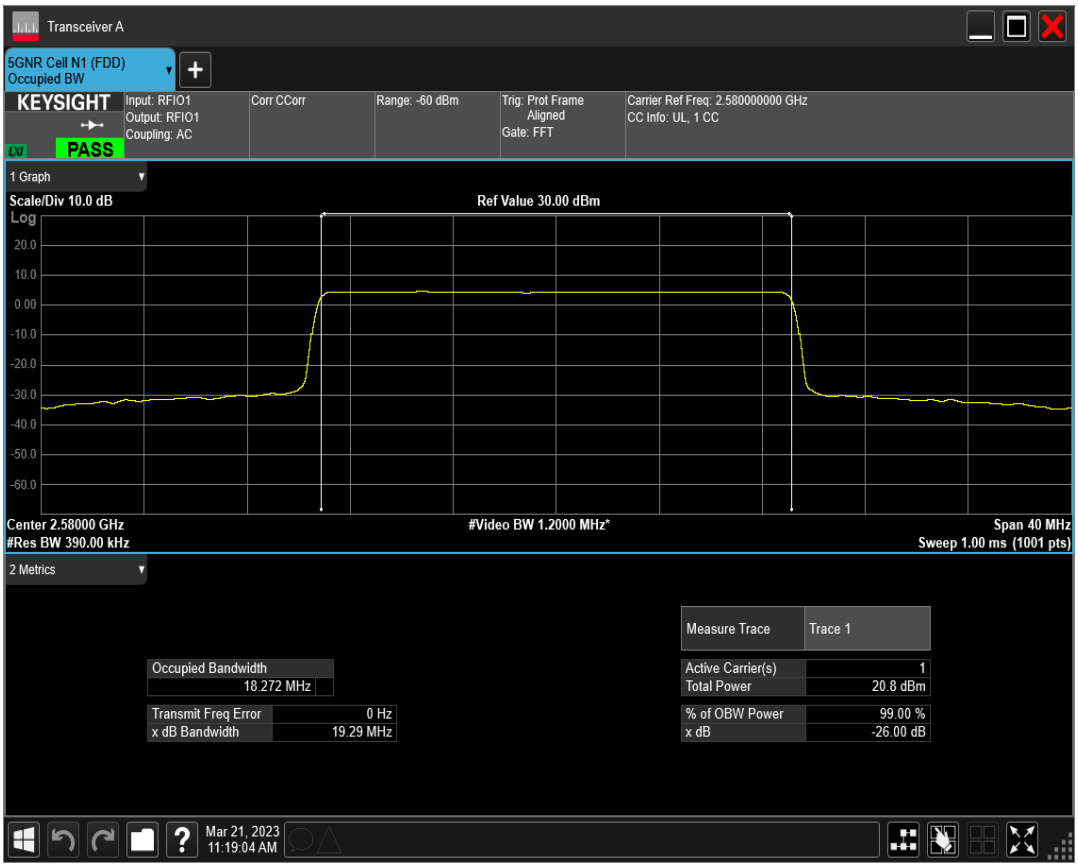
n38 SCS=30kHz DFT_QAM64 BW=20MHz Channel=516000 RB=50@0



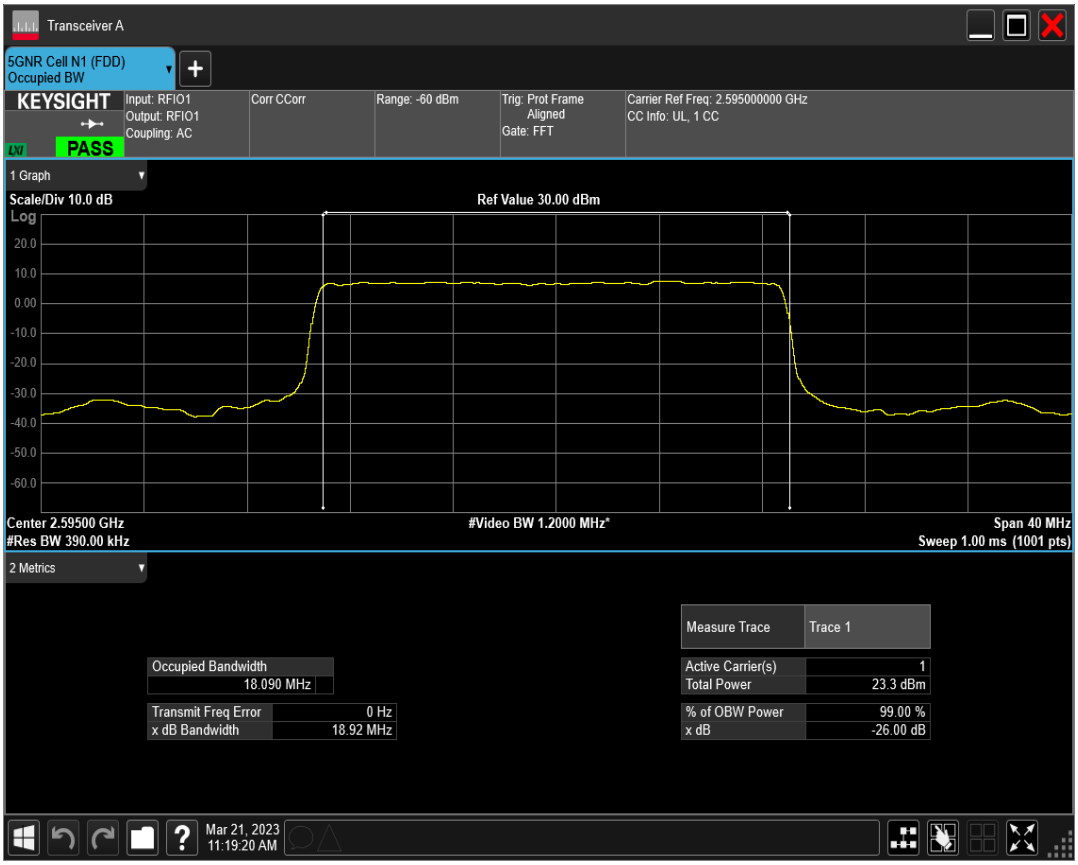
n38 SCS=30kHz DFT_QAM256 BW=20MHz Channel=516000 RB=50@0



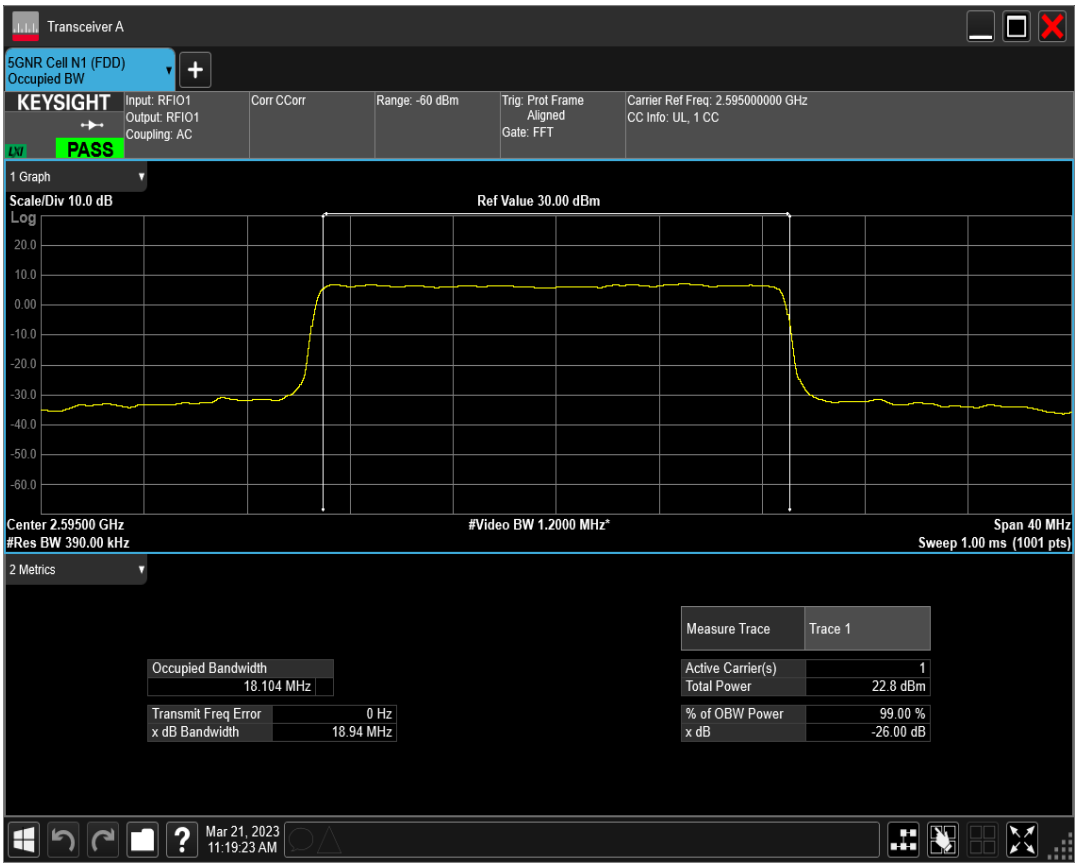
n38 SCS=30kHz CP_QPSK BW=20MHz Channel=516000 RB=51@0



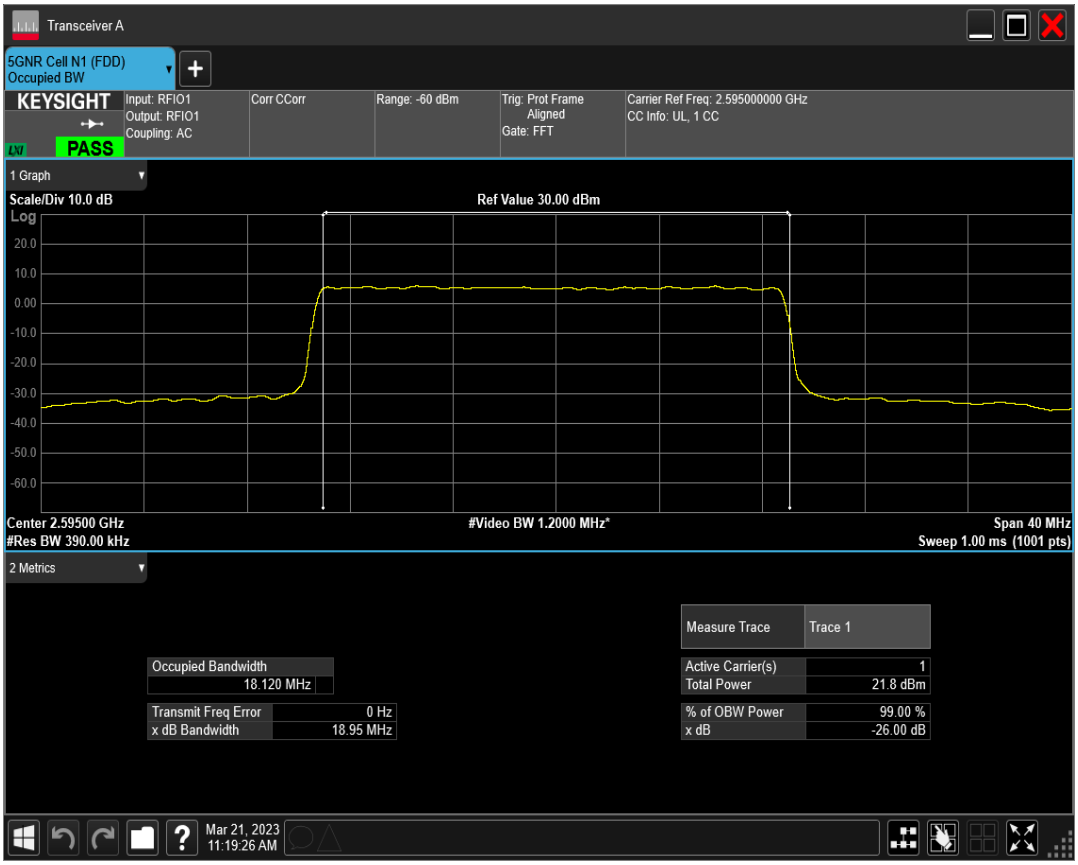
n38 SCS=30kHz DFT_BPSK BW=20MHz Channel=519000 RB=50@0



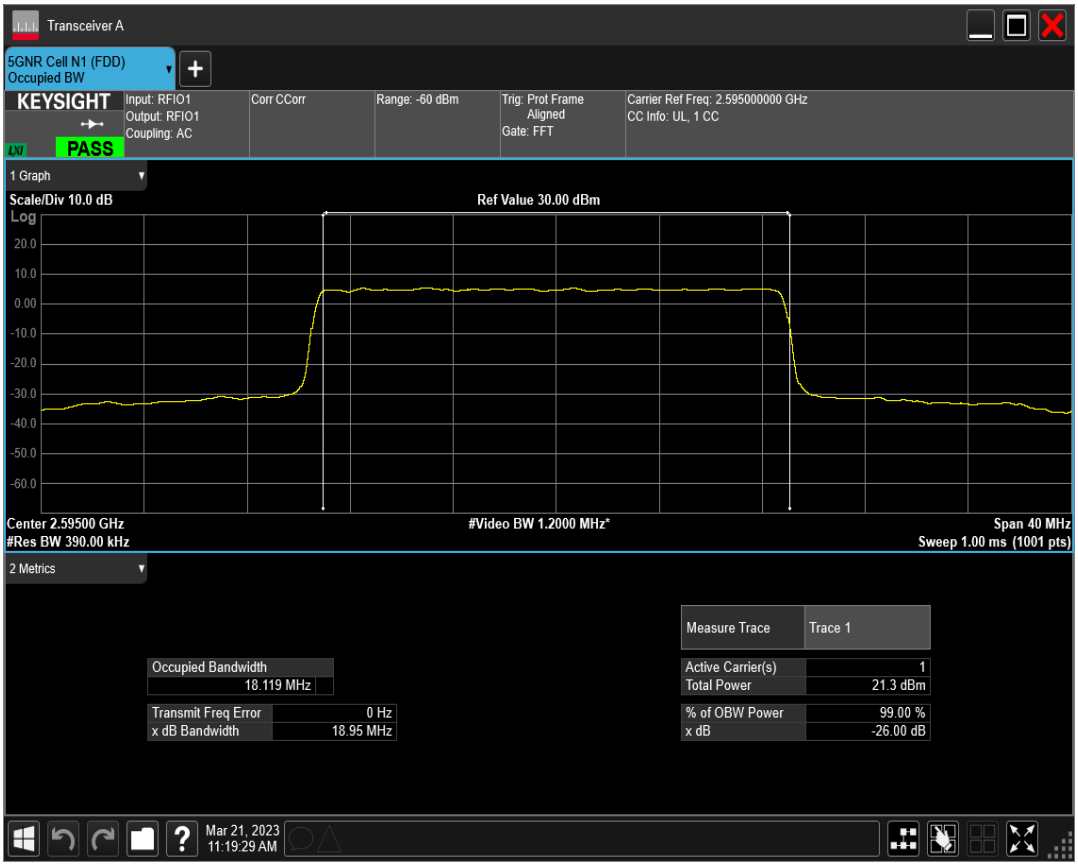
n38 SCS=30kHz DFT_QPSK BW=20MHz Channel=519000 RB=50@0



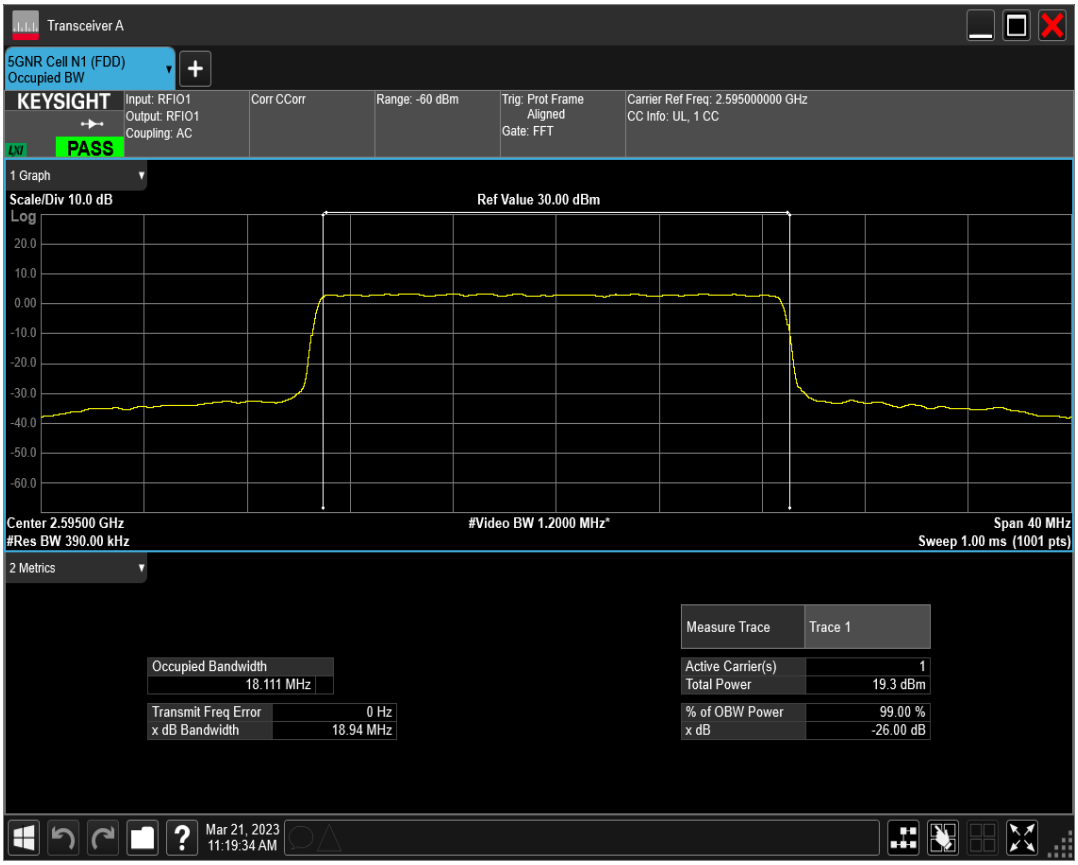
n38 SCS=30kHz DFT_QAM16 BW=20MHz Channel=519000 RB=50@0



n38 SCS=30kHz DFT_QAM64 BW=20MHz Channel=519000 RB=50@0

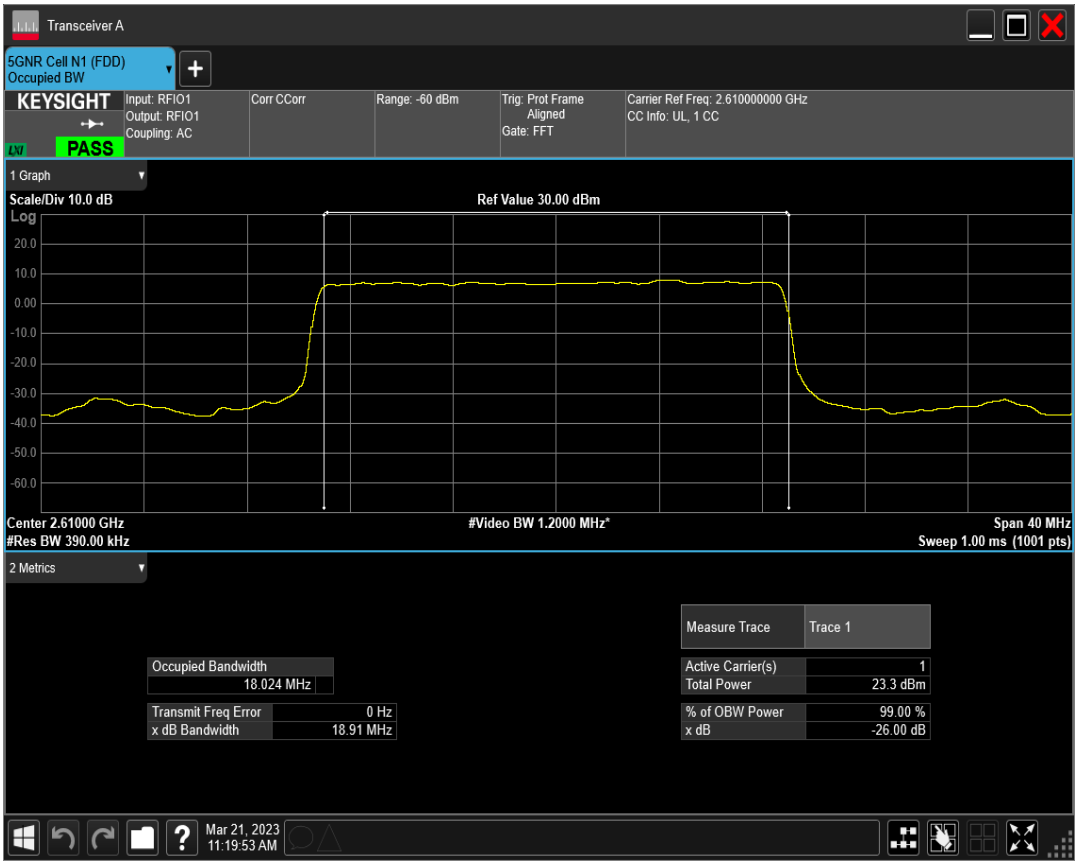


n38 SCS=30kHz DFT_QAM256 BW=20MHz Channel=519000 RB=50@0

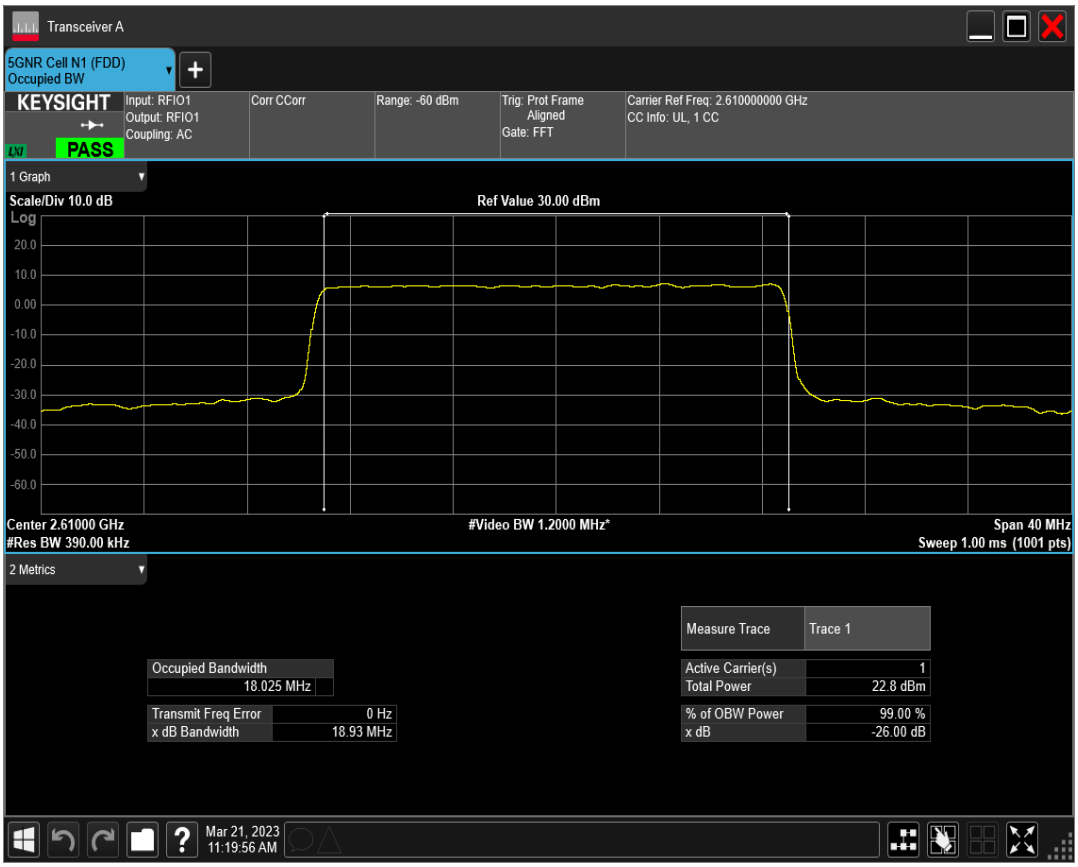


n38 SCS=30kHz CP_QPSK BW=20MHz Channel=519000 RB=51@0

n38 SCS=30kHz DFT_BPSK BW=20MHz Channel=522000 RB=50@0



n38 SCS=30kHz DFT_QPSK BW=20MHz Channel=522000 RB=50@0



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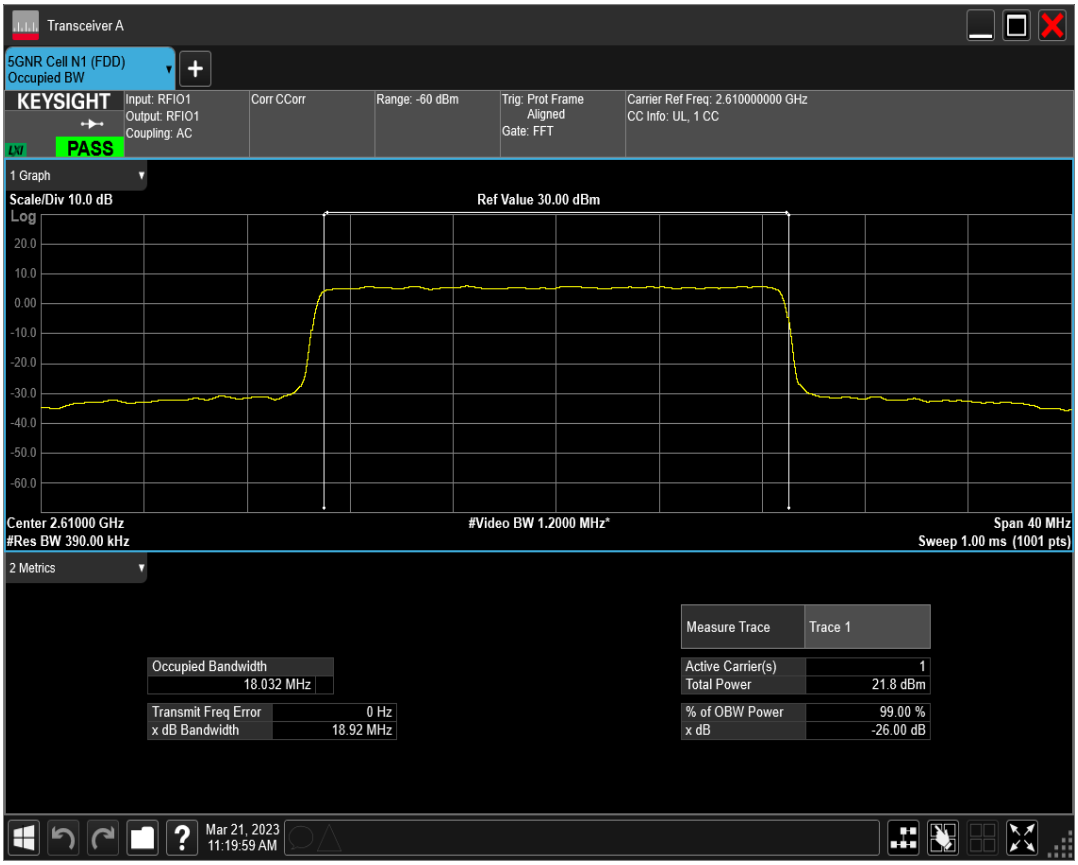
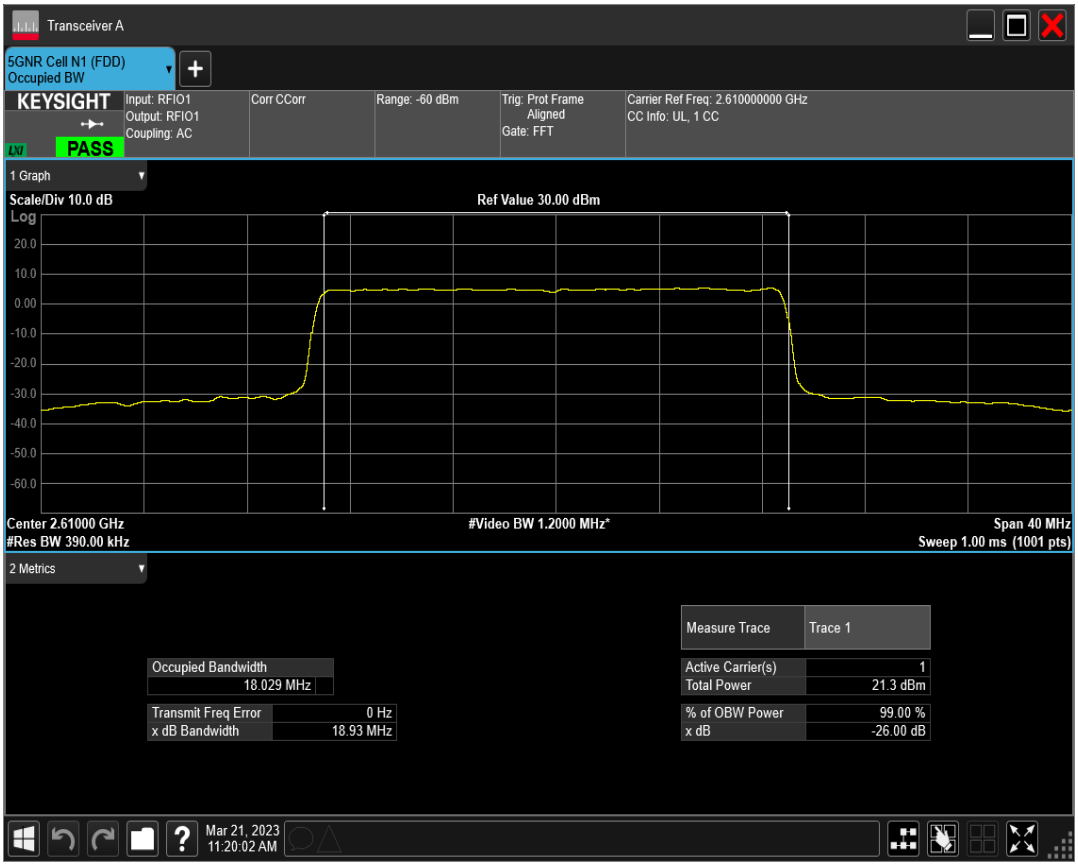
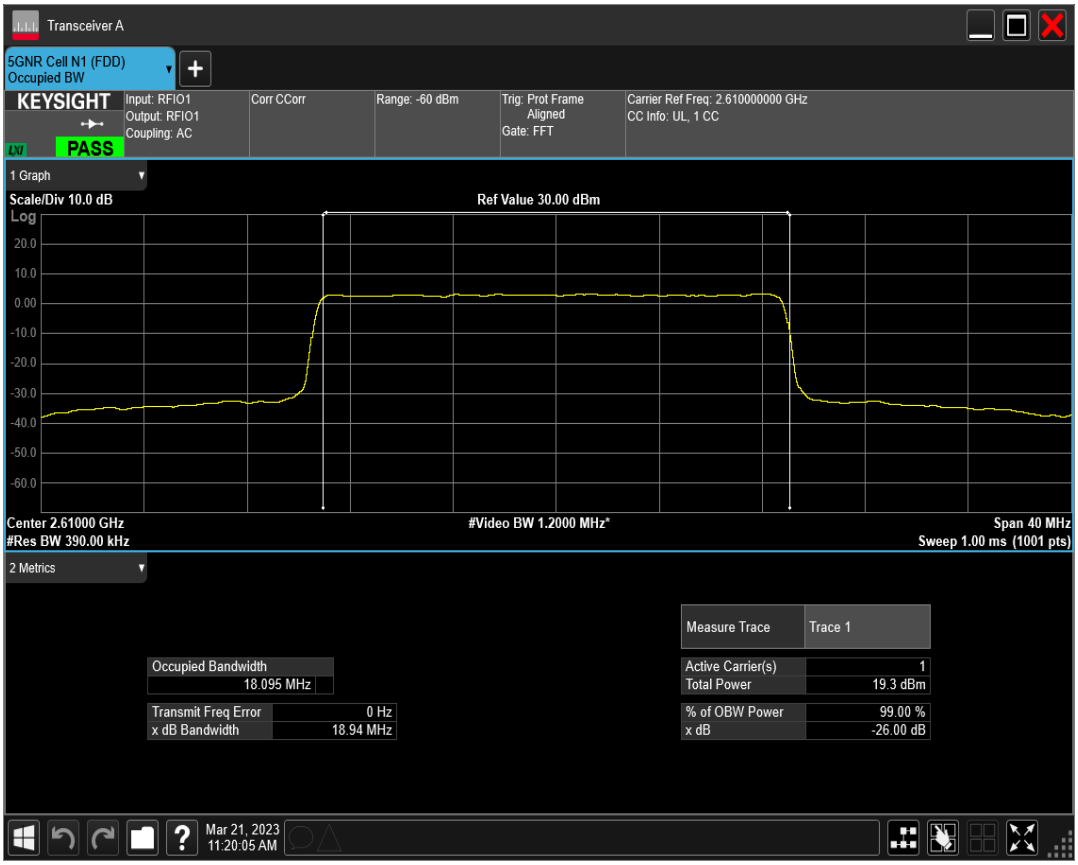


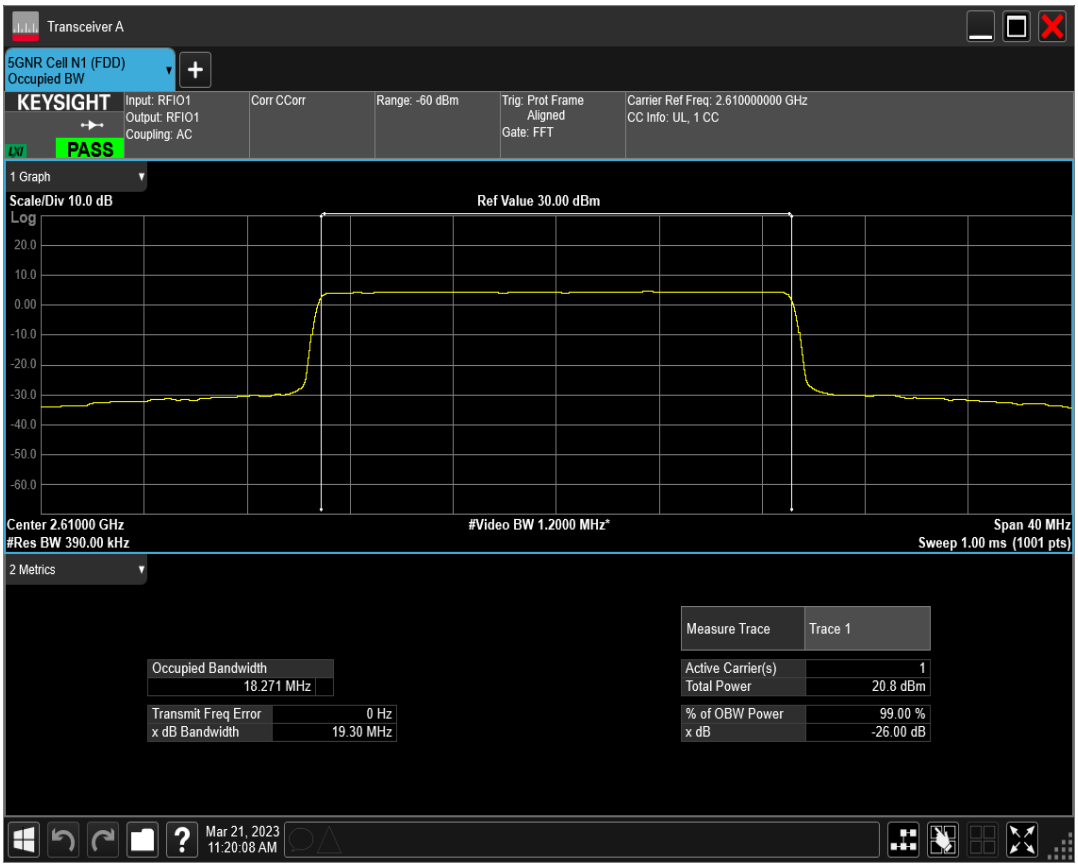
n38 SCS=30kHz DFT_QAM64 BW=20MHz Channel=522000 RB=50@0



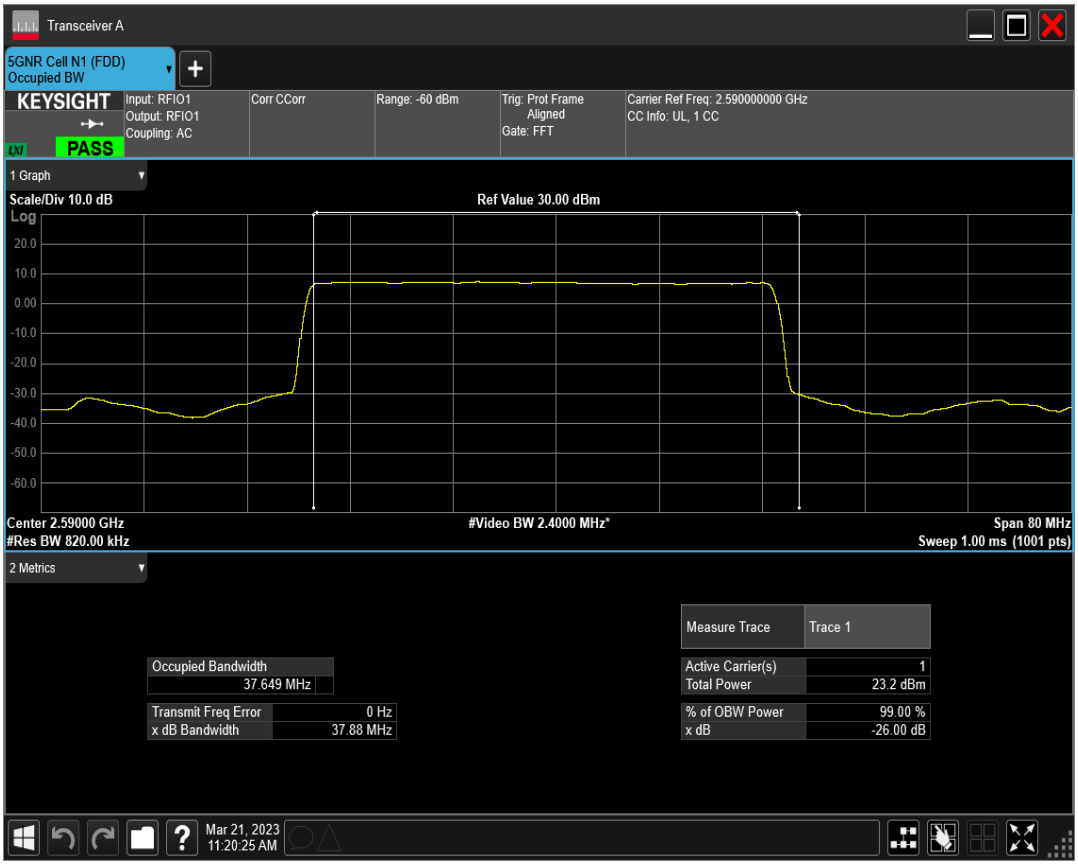
n38 SCS=30kHz DFT_QAM256 BW=20MHz Channel=522000 RB=50@0



n38 SCS=30kHz CP_QPSK BW=20MHz Channel=522000 RB=51@0



n38 SCS=30kHz DFT_BPSK BW=40MHz Channel=518000 RB=100@0

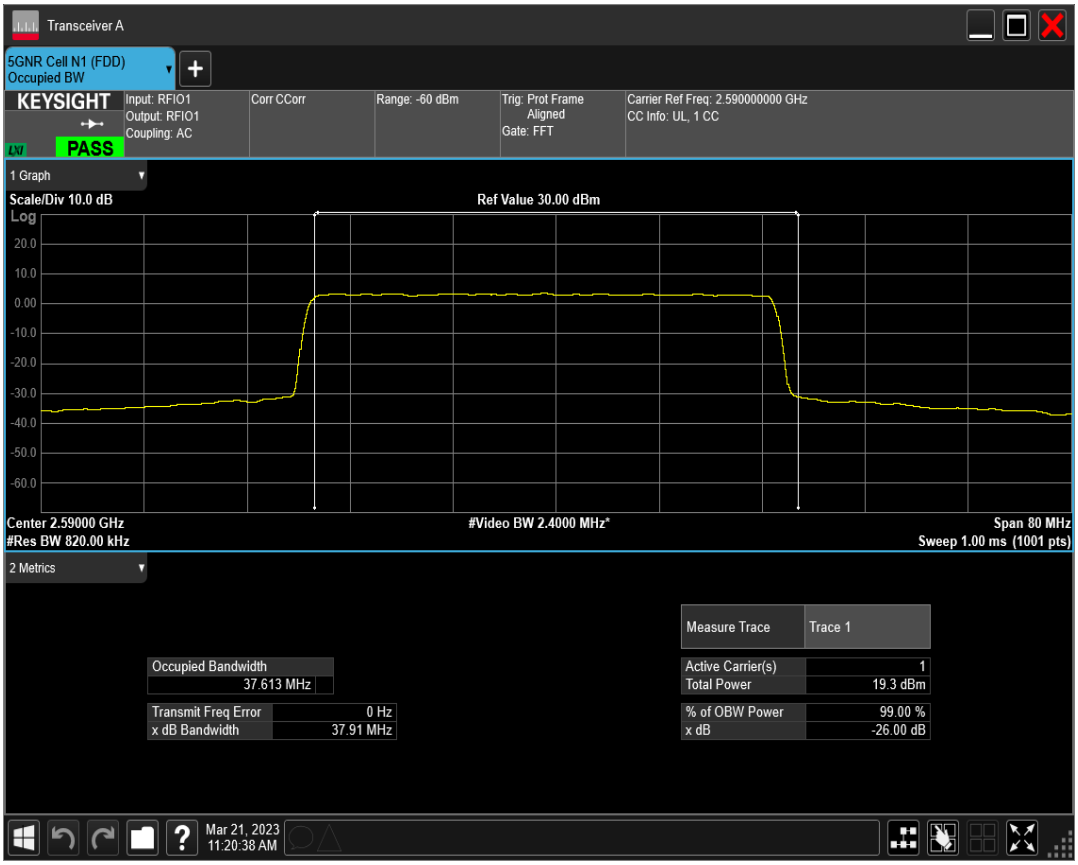


n38 SCS=30kHz DFT_QPSK BW=40MHz Channel=518000 RB=100@0

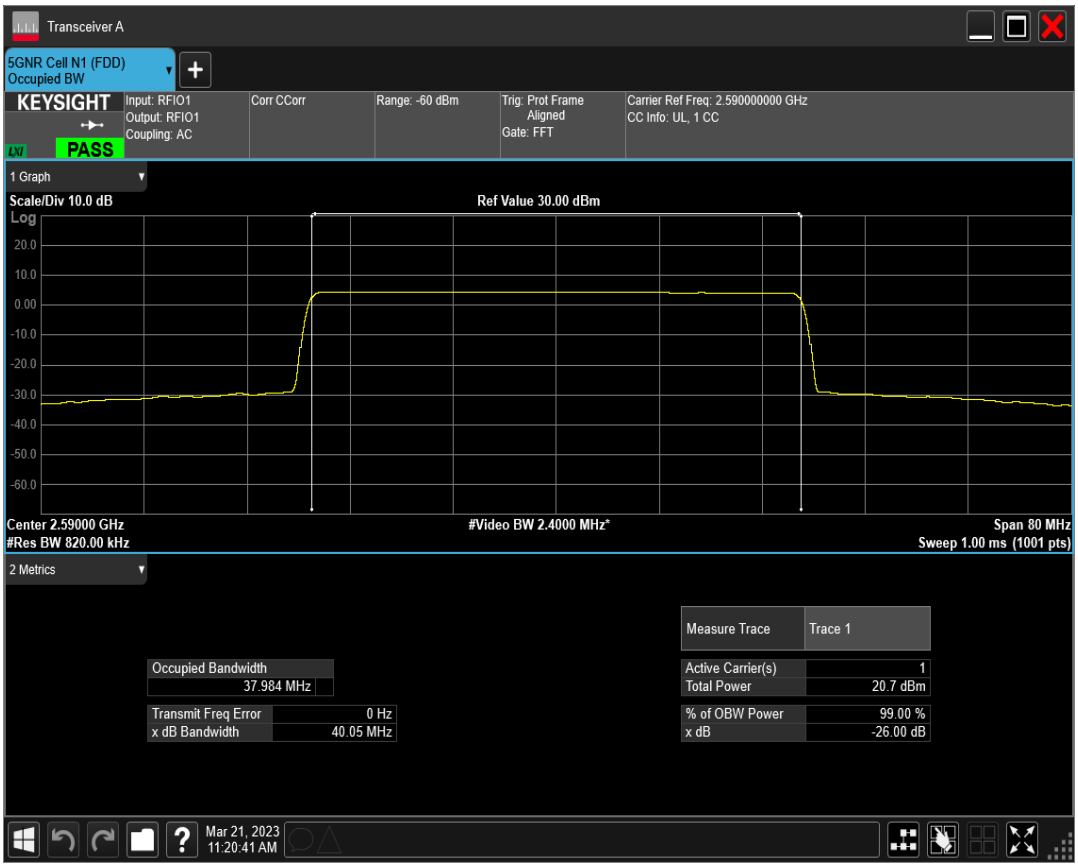
n38 SCS=30kHz DFT_QAM16 BW=40MHz Channel=518000 RB=100@0

n38 SCS=30kHz DFT_QAM64 BW=40MHz Channel=518000 RB=100@0

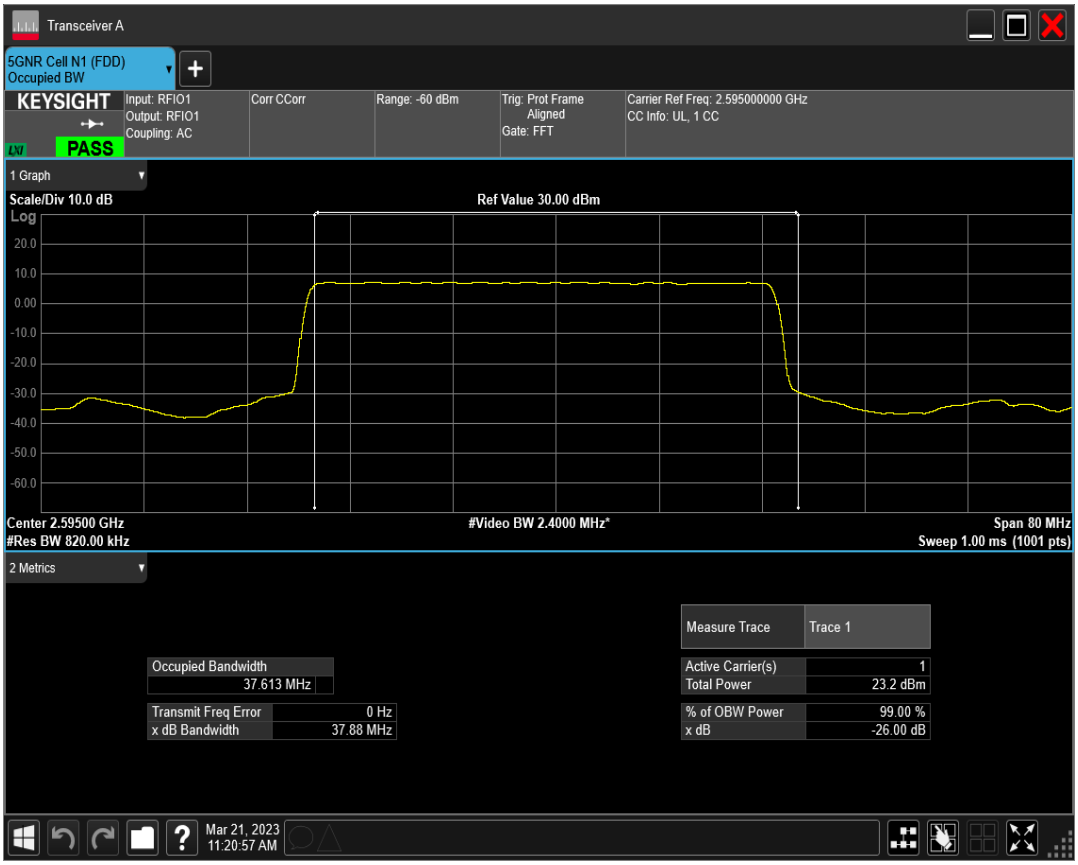
n38 SCS=30kHz DFT_QAM256 BW=40MHz Channel=518000 RB=100@0



n38 SCS=30kHz CP_QPSK BW=40MHz Channel=518000 RB=106@0



n38 SCS=30kHz DFT_BPSK BW=40MHz Channel=519000 RB=100@0

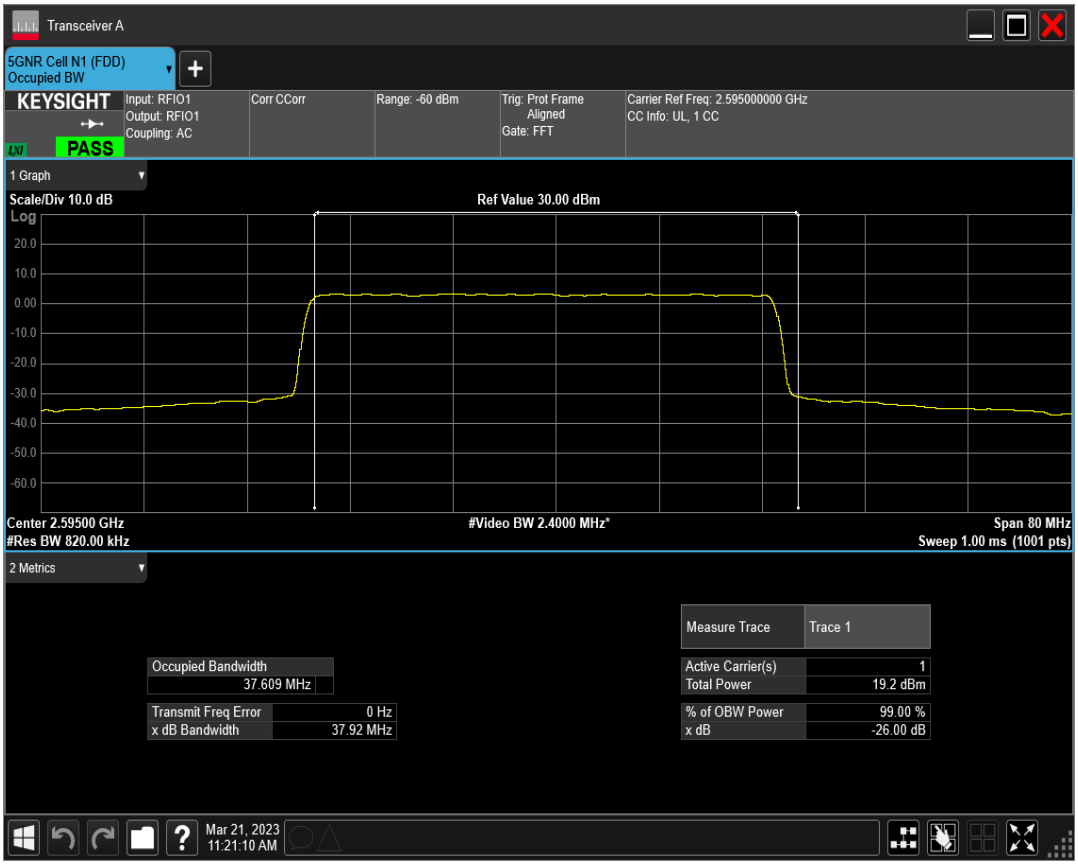


n38 SCS=30kHz DFT_QPSK BW=40MHz Channel=519000 RB=100@0

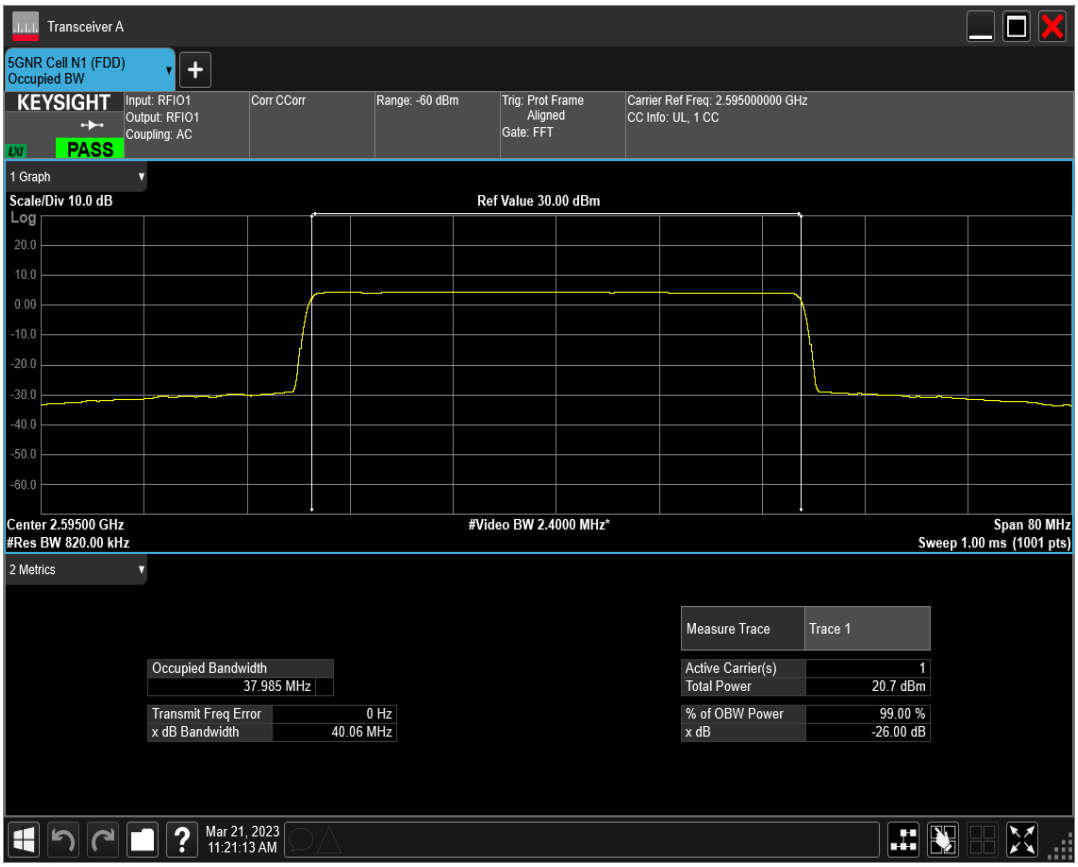
n38 SCS=30kHz DFT_QAM16 BW=40MHz Channel=519000 RB=100@0

n38 SCS=30kHz DFT_QAM64 BW=40MHz Channel=519000 RB=100@0

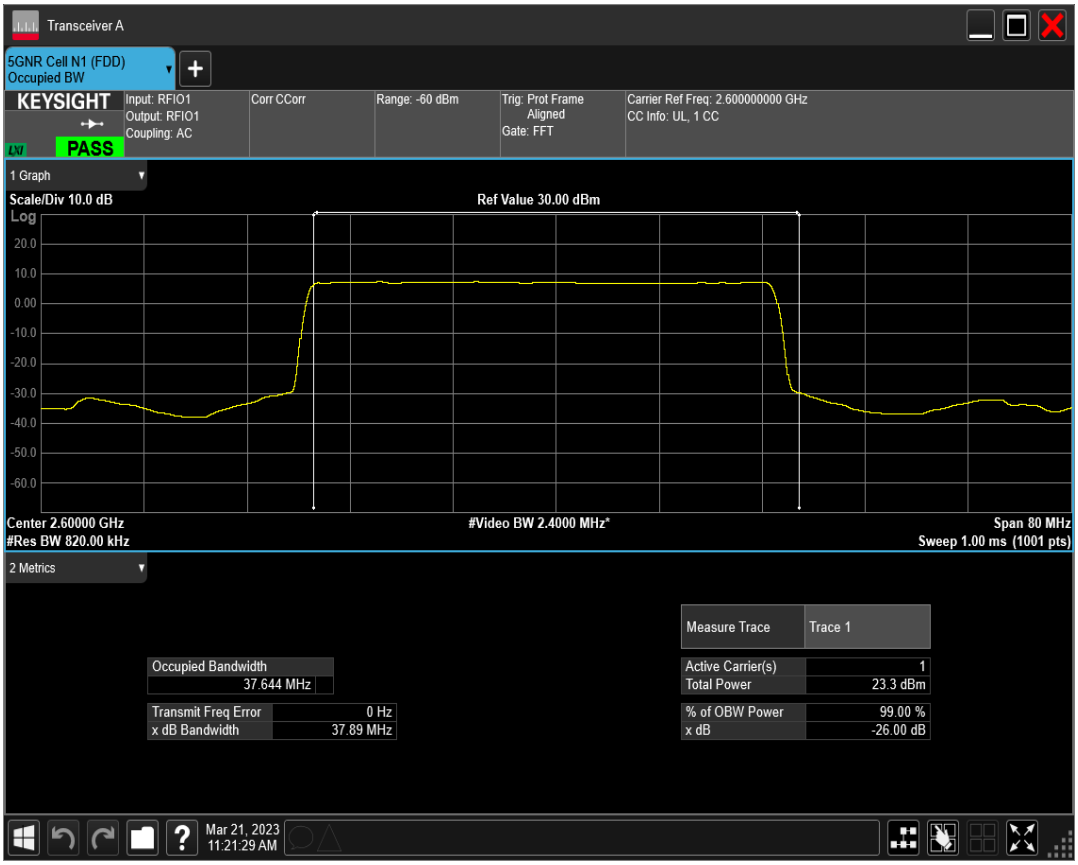
n38 SCS=30kHz DFT_QAM256 BW=40MHz Channel=519000 RB=100@0



n38 SCS=30kHz CP_QPSK BW=40MHz Channel=519000 RB=106@0

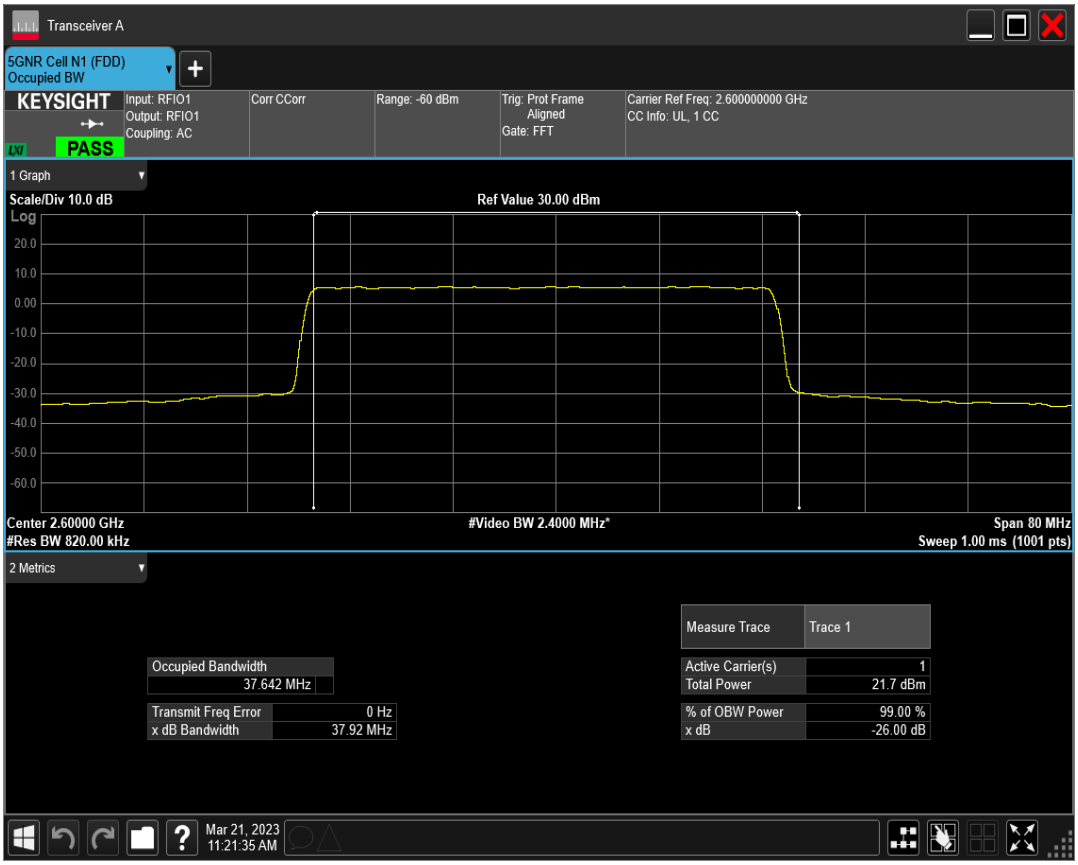


n38 SCS=30kHz DFT_BPSK BW=40MHz Channel=520000 RB=100@0

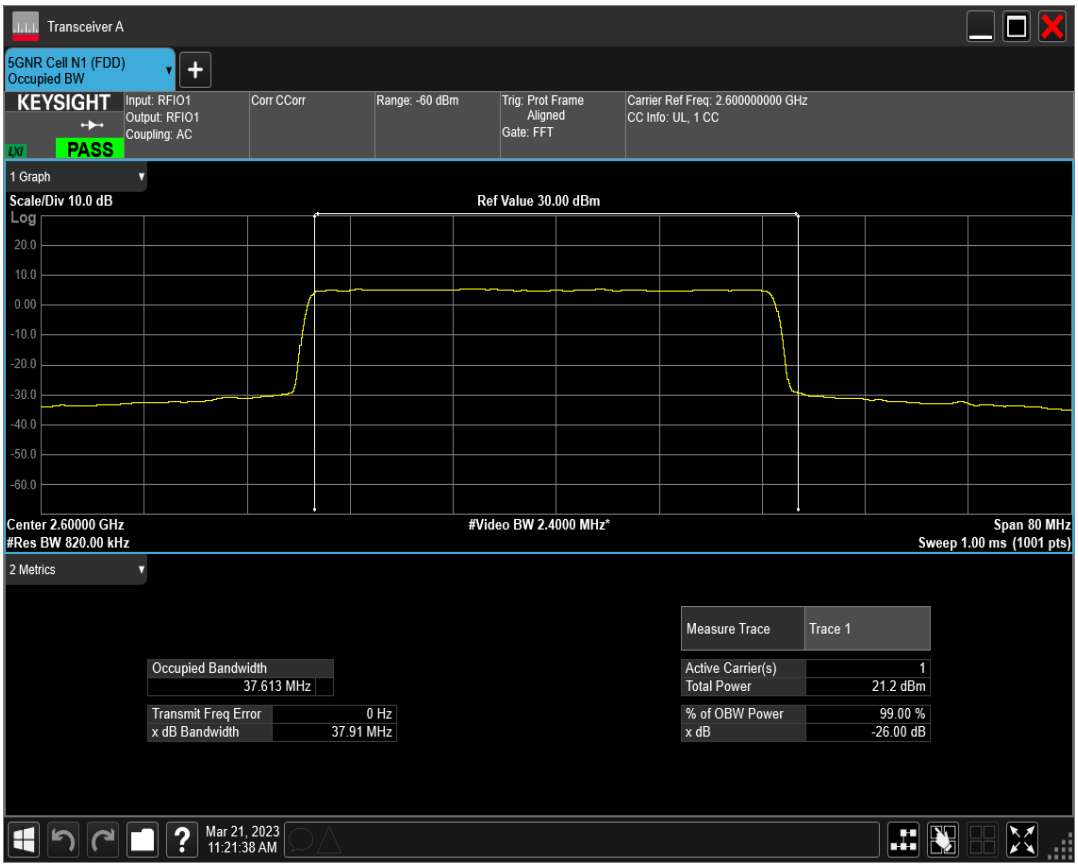


n38 SCS=30kHz DFT_QPSK BW=40MHz Channel=520000 RB=100@0

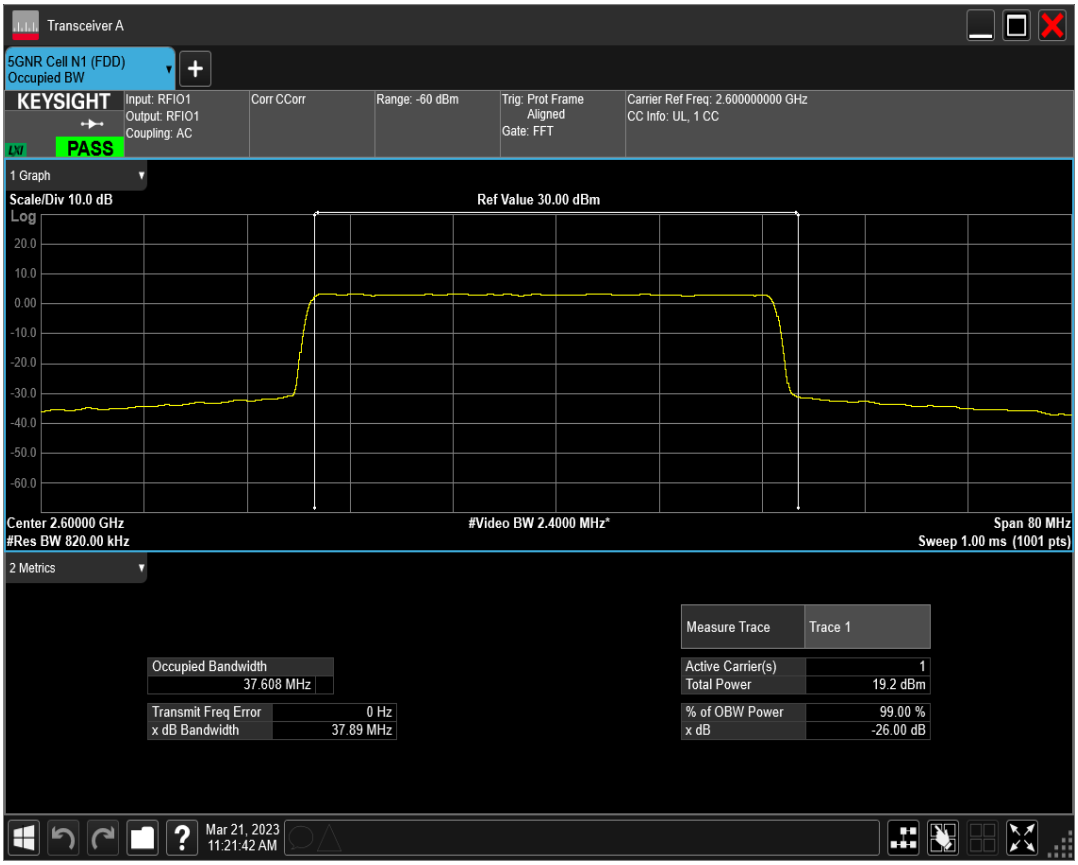
n38 SCS=30kHz DFT_QAM16 BW=40MHz Channel=520000 RB=100@0



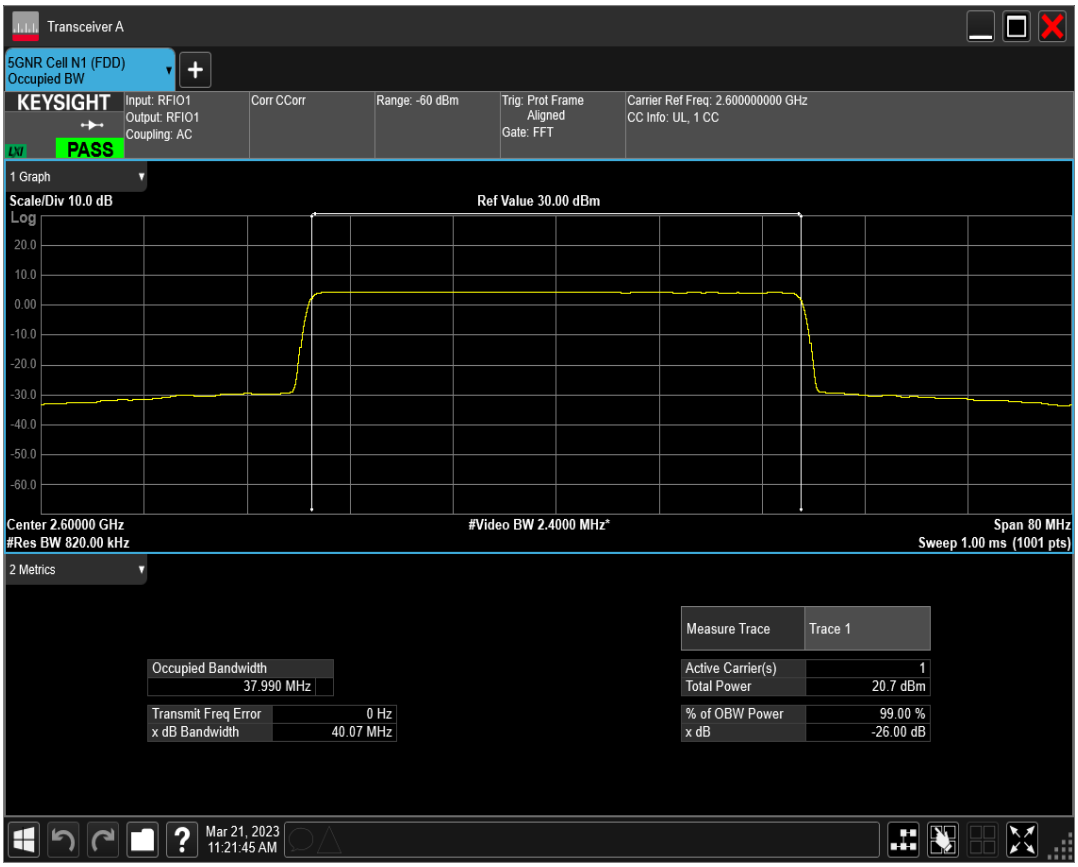
n38 SCS=30kHz DFT_QAM64 BW=40MHz Channel=520000 RB=100@0



n38 SCS=30kHz DFT_QAM256 BW=40MHz Channel=520000 RB=100@0



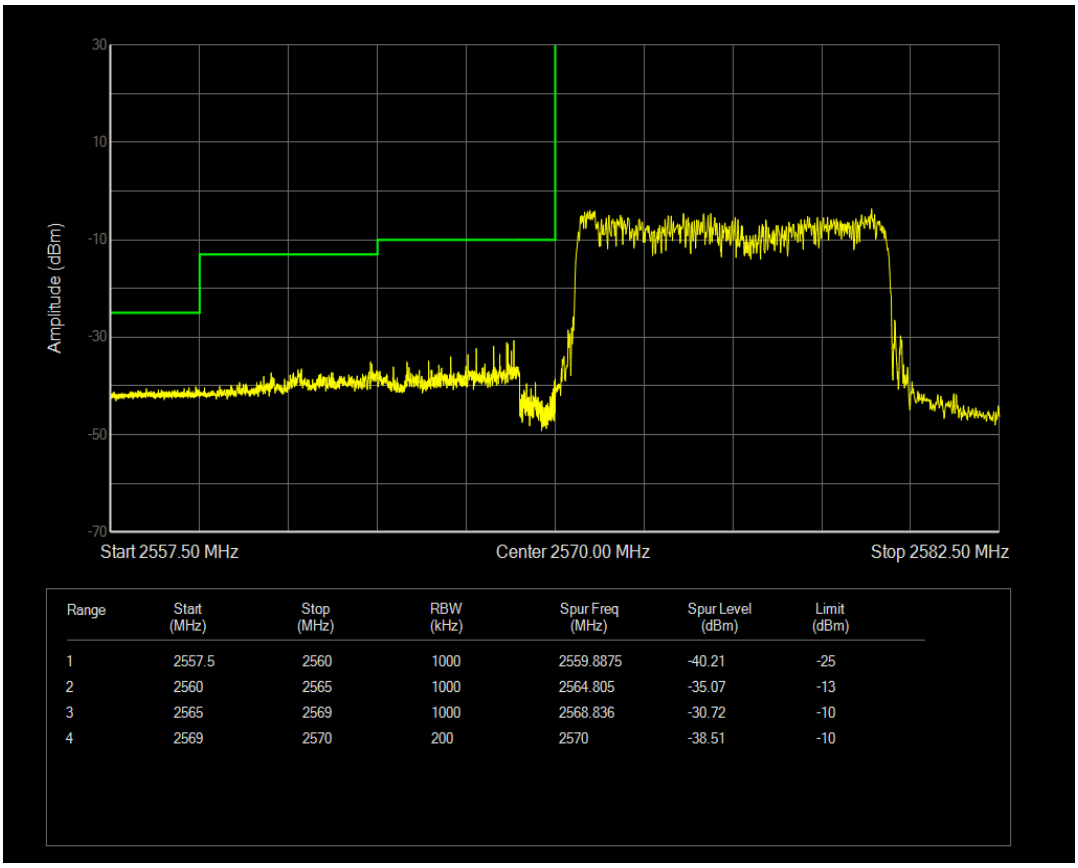
n38 SCS=30kHz CP_QPSK BW=40MHz Channel=520000 RB=106@0



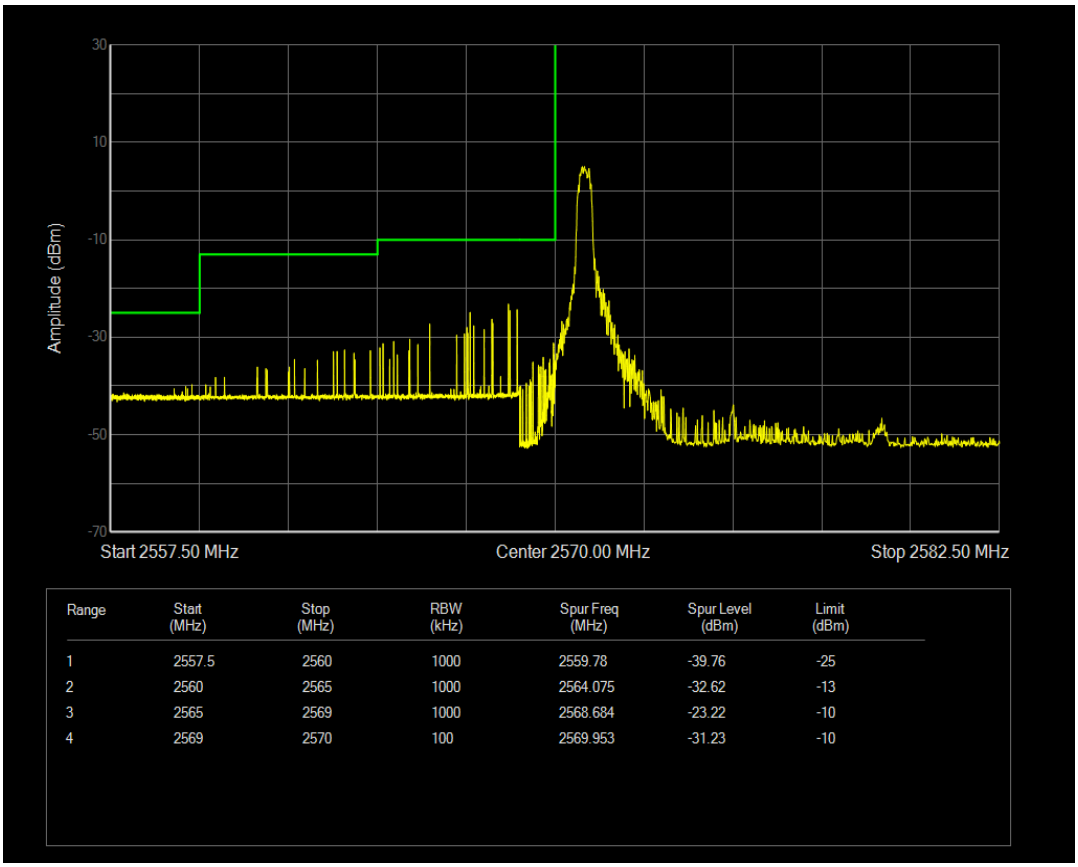
5 Band edge for NR FR1

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
n38	30	10	515000	24@0	DFT_QPSK	2559.89	-40.21	-25	PASS
n38	30	10	515000	1@0	DFT_QPSK	2568.68	-23.22	-10	PASS
n38	30	10	523000	24@0	DFT_QPSK	2630.10	-40.72	-25	PASS
n38	30	10	523000	1@23	DFT_QPSK	2630.13	-39.87	-25	PASS
n38	30	40	518000	100@0	DFT_QPSK	2528.48	-41.41	-25	PASS
n38	30	40	518000	1@0	DFT_QPSK	2522.61	-41.42	-25	PASS
n38	30	40	520000	100@0	DFT_QPSK	2662.98	-41.47	-25	PASS
n38	30	40	520000	1@105	DFT_QPSK	2661.28	-41.64	-25	PASS

n38 SCS=30kHz DFT_QPSK BW=10MHz Channel=515000 RB=24@0

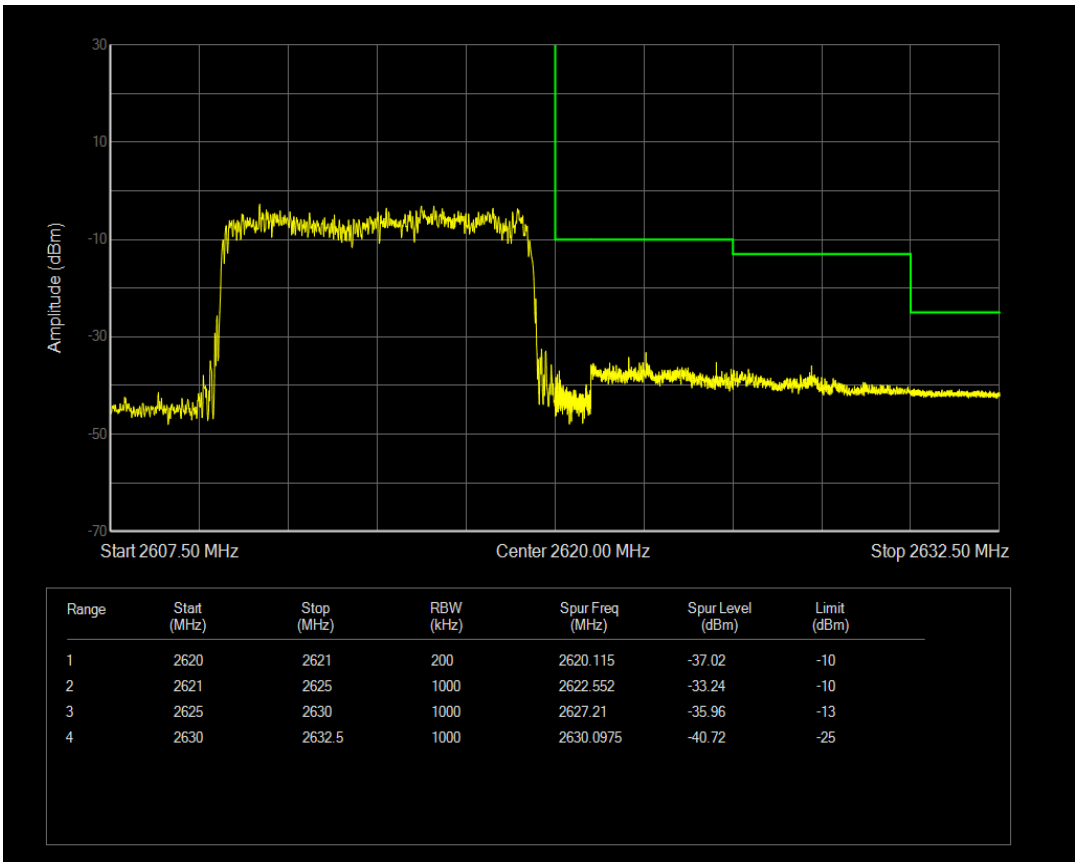


n38 SCS=30kHz DFT_QPSK BW=10MHz Channel=515000 RB=1@0



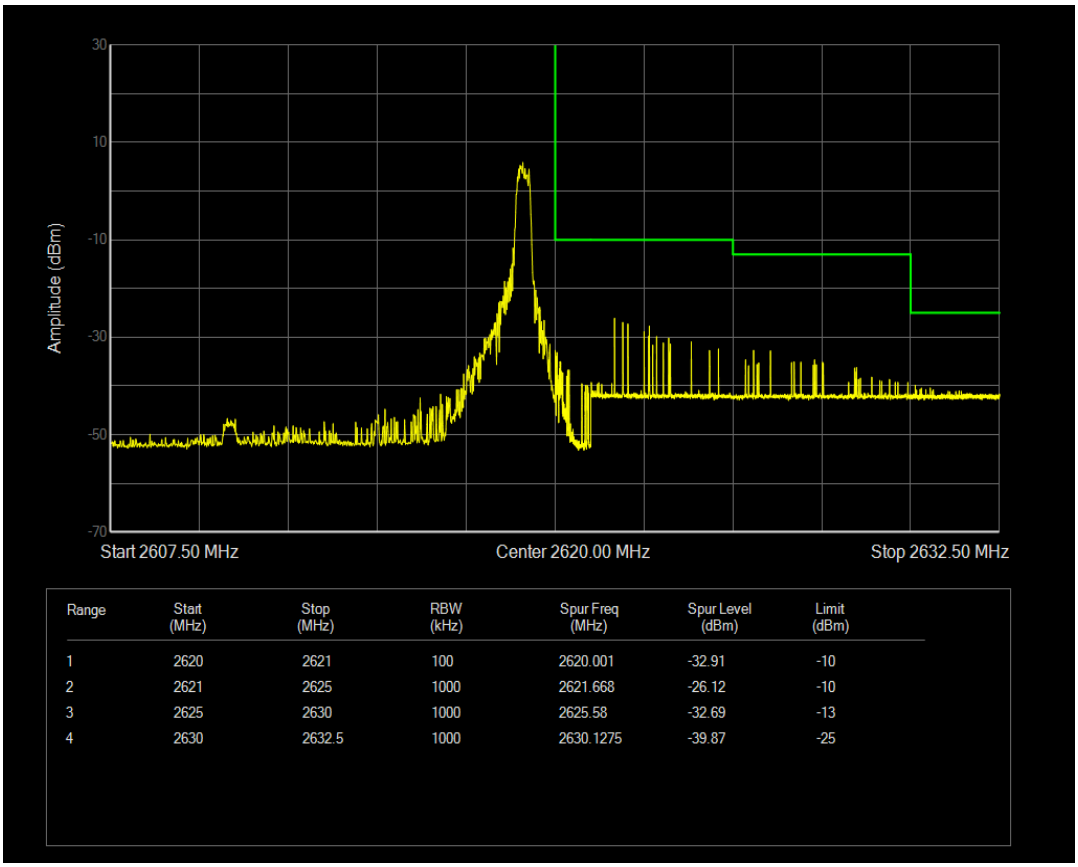
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2557.5	2560	1000	2559.78	-39.76	-25
2	2560	2565	1000	2564.075	-32.62	-13
3	2565	2569	1000	2568.684	-23.22	-10
4	2569	2570	100	2569.953	-31.23	-10

n38 SCS=30kHz DFT_QPSK BW=10MHz Channel=523000 RB=24@0



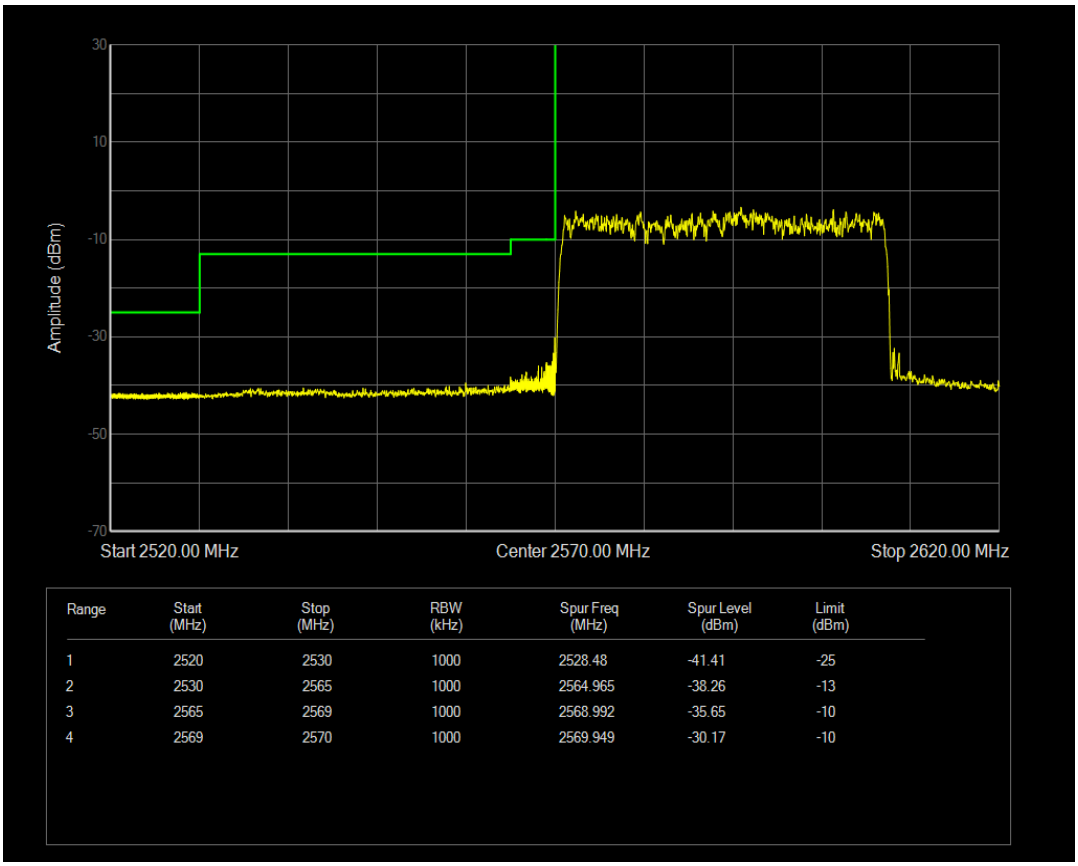
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2620	2621	200	2620.115	-37.02	-10
2	2621	2625	1000	2622.552	-33.24	-10
3	2625	2630	1000	2627.21	-35.96	-13
4	2630	2632.5	1000	2630.0975	-40.72	-25

n38 SCS=30kHz DFT_QPSK BW=10MHz Channel=523000 RB=1@23



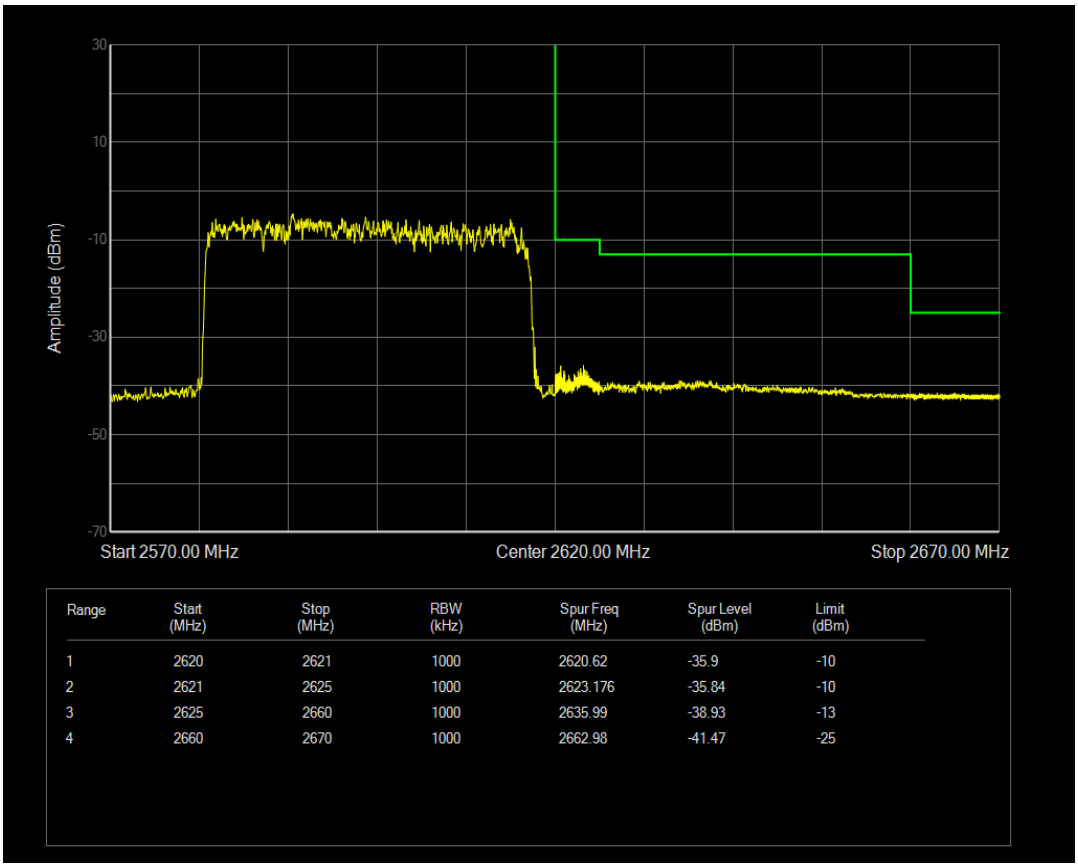
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2620	2621	100	2620.001	-32.91	-10
2	2621	2625	1000	2621.668	-26.12	-10
3	2625	2630	1000	2625.58	-32.69	-13
4	2630	2632.5	1000	2630.1275	-39.87	-25

n38 SCS=30kHz DFT_QPSK BW=40MHz Channel=518000 RB=100@0



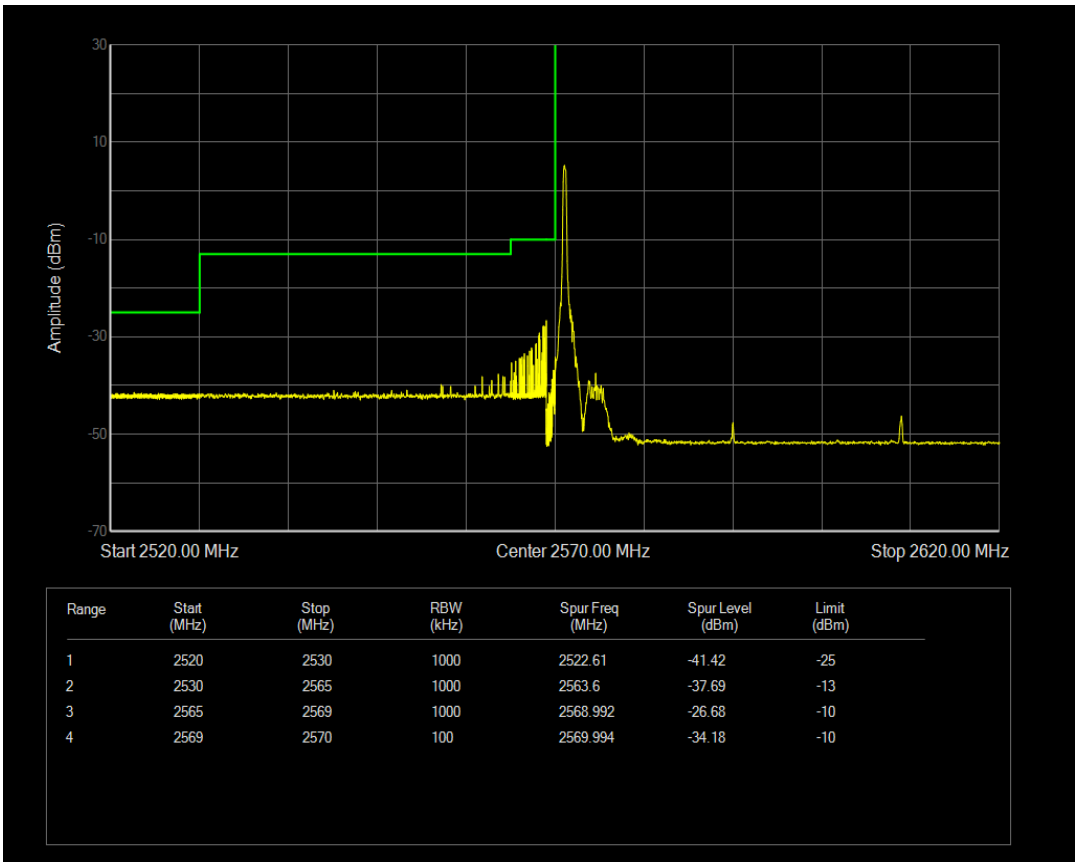
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2520	2530	1000	2528.48	-41.41	-25
2	2530	2565	1000	2564.965	-38.26	-13
3	2565	2569	1000	2568.992	-35.65	-10
4	2569	2570	1000	2569.949	-30.17	-10

n38 SCS=30kHz DFT_QPSK BW=40MHz Channel=520000 RB=100@0



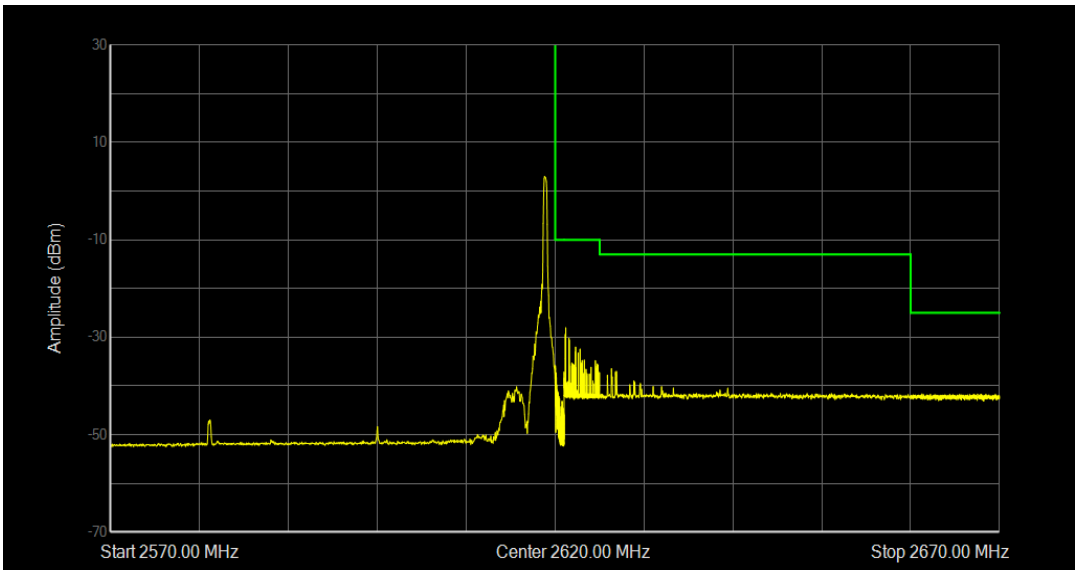
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2620	2621	1000	2620.62	-35.9	-10
2	2621	2625	1000	2623.176	-35.84	-10
3	2625	2660	1000	2635.99	-38.93	-13
4	2660	2670	1000	2662.98	-41.47	-25

n38 SCS=30kHz DFT_QPSK BW=40MHz Channel=518000 RB=1@0



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2520	2530	1000	2522.61	-41.42	-25
2	2530	2565	1000	2563.6	-37.69	-13
3	2565	2569	1000	2568.992	-26.68	-10
4	2569	2570	100	2569.994	-34.18	-10

n38 SCS=30kHz DFT_QPSK BW=40MHz Channel=520000 RB=1@105

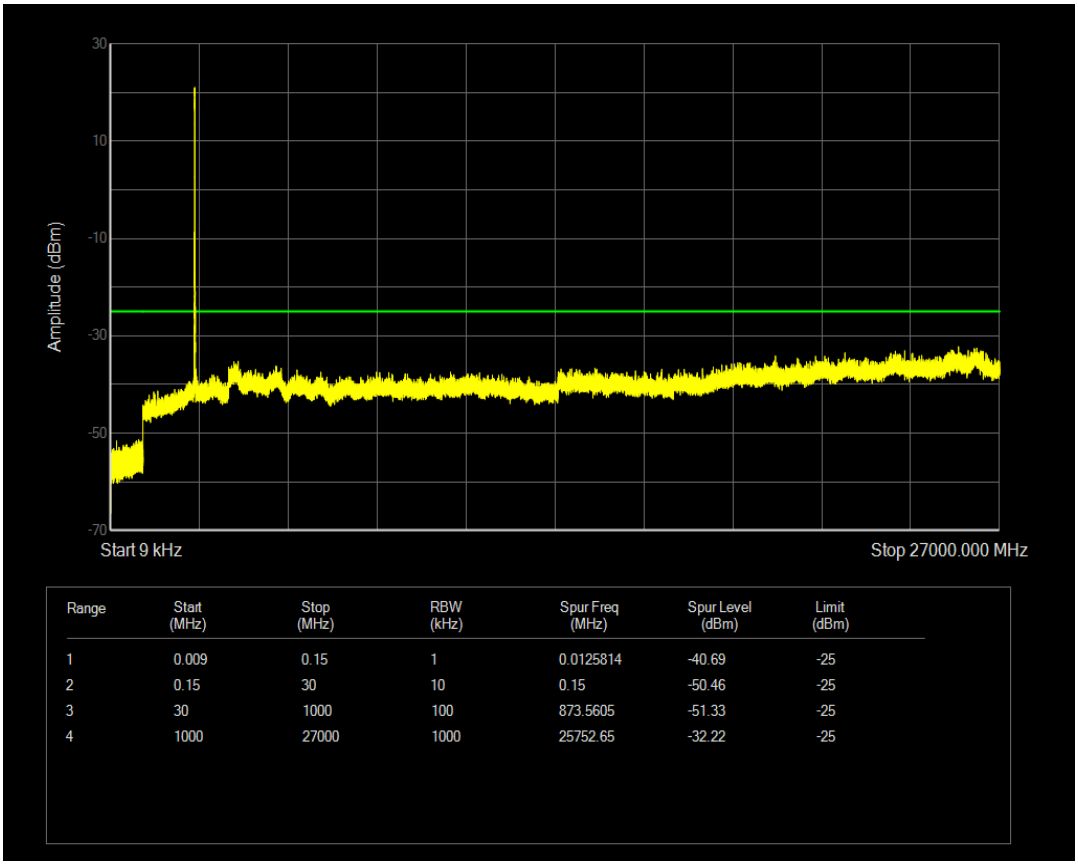


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2620	2621	100	2620.009	-35.85	-10
2	2621	2625	1000	2621.184	-28.07	-10
3	2625	2660	1000	2626.33	-36.45	-13
4	2660	2670	1000	2661.28	-41.64	-25

6 Out-of-band emissions for NR FR1

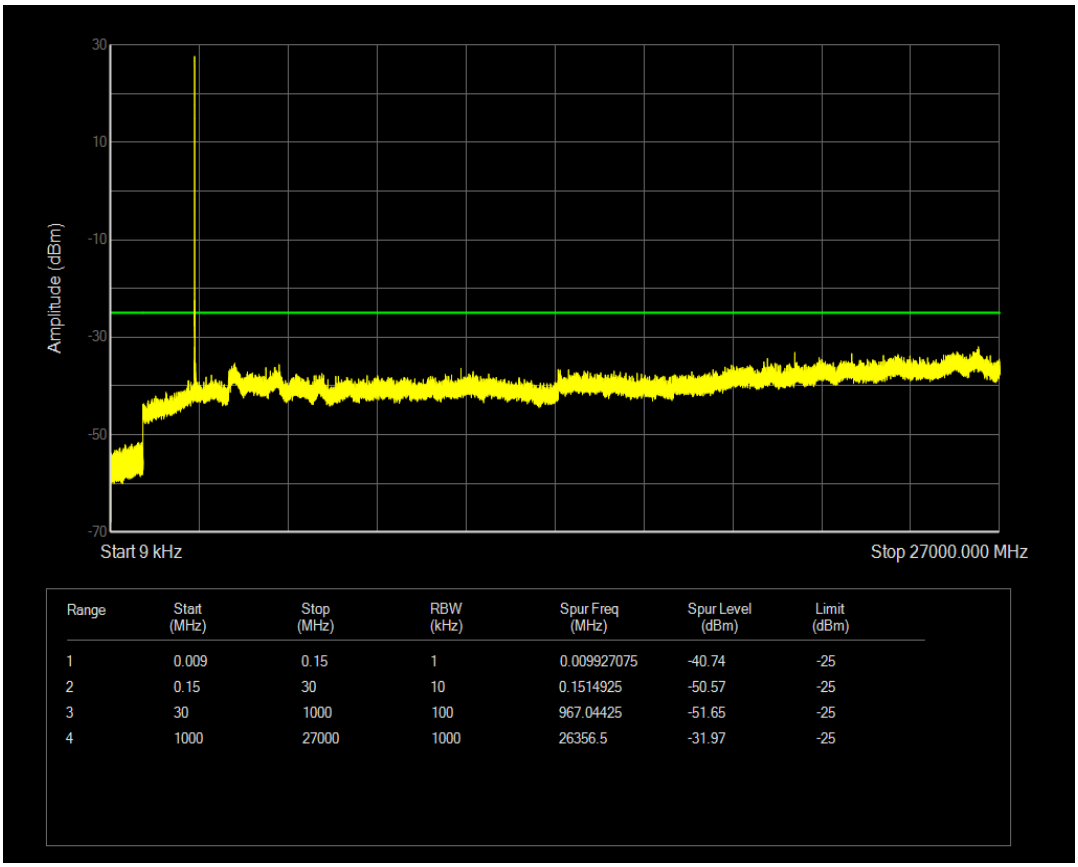
Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
n38	30	10	515000	24@0	DFT_QPSK	25752.65	-32.22	-25	PASS
n38	30	10	515000	1@0	DFT_QPSK	26356.50	-31.97	-25	PASS
n38	30	10	515000	1@23	DFT_QPSK	26242.75	-32.11	-25	PASS
n38	30	10	519000	24@0	DFT_QPSK	26286.95	-31.48	-25	PASS
n38	30	10	519000	1@0	DFT_QPSK	26403.95	-32.05	-25	PASS
n38	30	10	519000	1@23	DFT_QPSK	26300.60	-31.95	-25	PASS
n38	30	10	523000	24@0	DFT_QPSK	26278.50	-31.71	-25	PASS
n38	30	10	523000	1@0	DFT_QPSK	25720.15	-31.99	-25	PASS
n38	30	10	523000	1@23	DFT_QPSK	25369.80	-31.35	-25	PASS
n38	30	40	518000	100@0	DFT_QPSK	26195.30	-32.15	-25	PASS
n38	30	40	518000	1@0	DFT_QPSK	26376.00	-31.91	-25	PASS
n38	30	40	518000	1@105	DFT_QPSK	26198.55	-32.21	-25	PASS
n38	30	40	519000	100@0	DFT_QPSK	25668.80	-31.90	-25	PASS
n38	30	40	519000	1@0	DFT_QPSK	26362.35	-31.99	-25	PASS
n38	30	40	519000	1@105	DFT_QPSK	25757.20	-31.84	-25	PASS
n38	30	40	520000	100@0	DFT_QPSK	26328.55	-32.25	-25	PASS
n38	30	40	520000	1@0	DFT_QPSK	26330.50	-32.56	-25	PASS
n38	30	40	520000	1@105	DFT_QPSK	26144.60	-32.17	-25	PASS

n38 SCS=30kHz DFT_QPSK BW=10MHz Channel=515000 RB=24@0



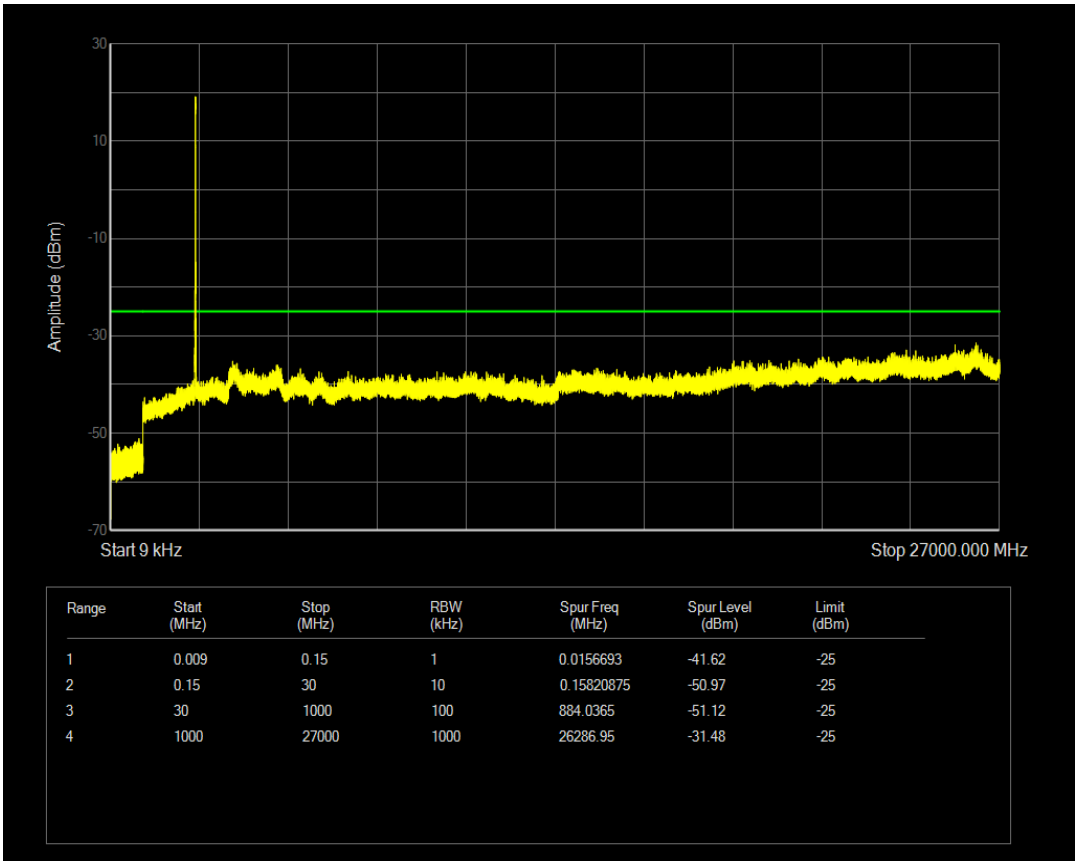
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0125814	-40.69	-25
2	0.15	30	10	0.15	-50.46	-25
3	30	1000	100	873.5605	-51.33	-25
4	1000	27000	1000	25752.65	-32.22	-25

n38 SCS=30kHz DFT_QPSK BW=10MHz Channel=515000 RB=1@0



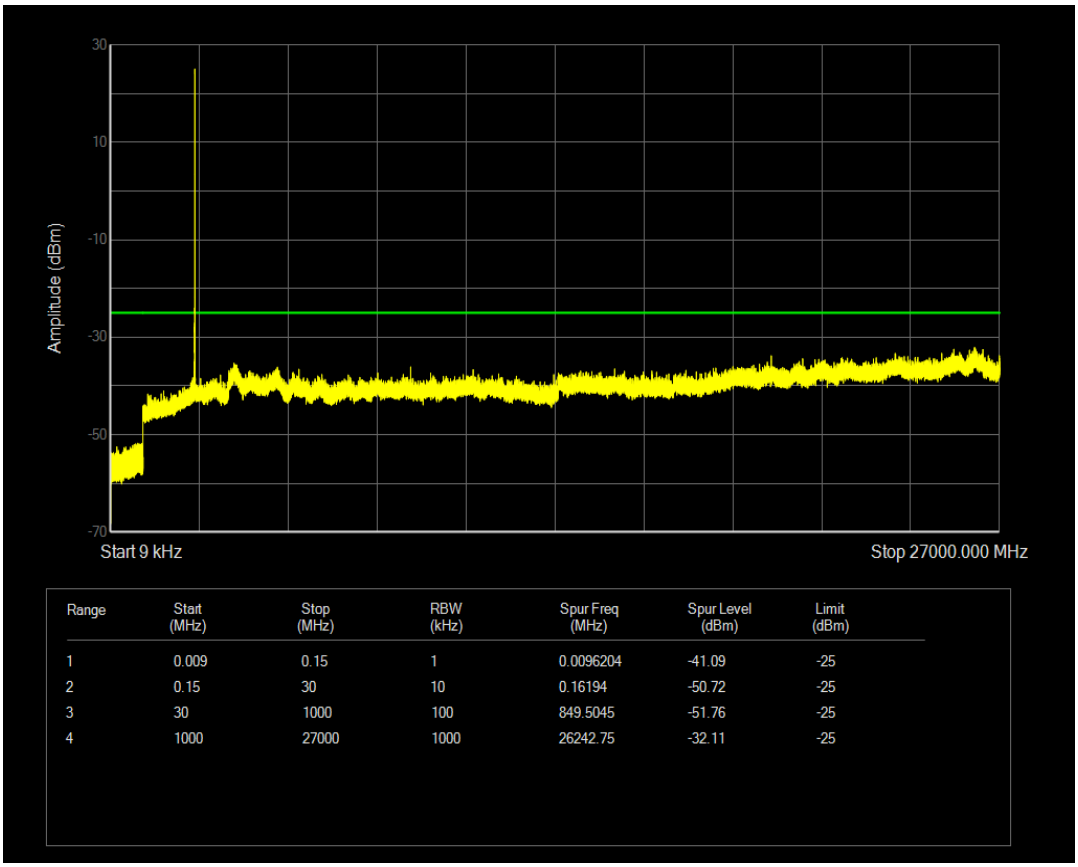
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009927075	-40.74	-25
2	0.15	30	10	0.1514925	-50.57	-25
3	30	1000	100	967.04425	-51.65	-25
4	1000	27000	1000	26356.5	-31.97	-25

n38 SCS=30kHz DFT_QPSK BW=10MHz Channel=519000 RB=24@0



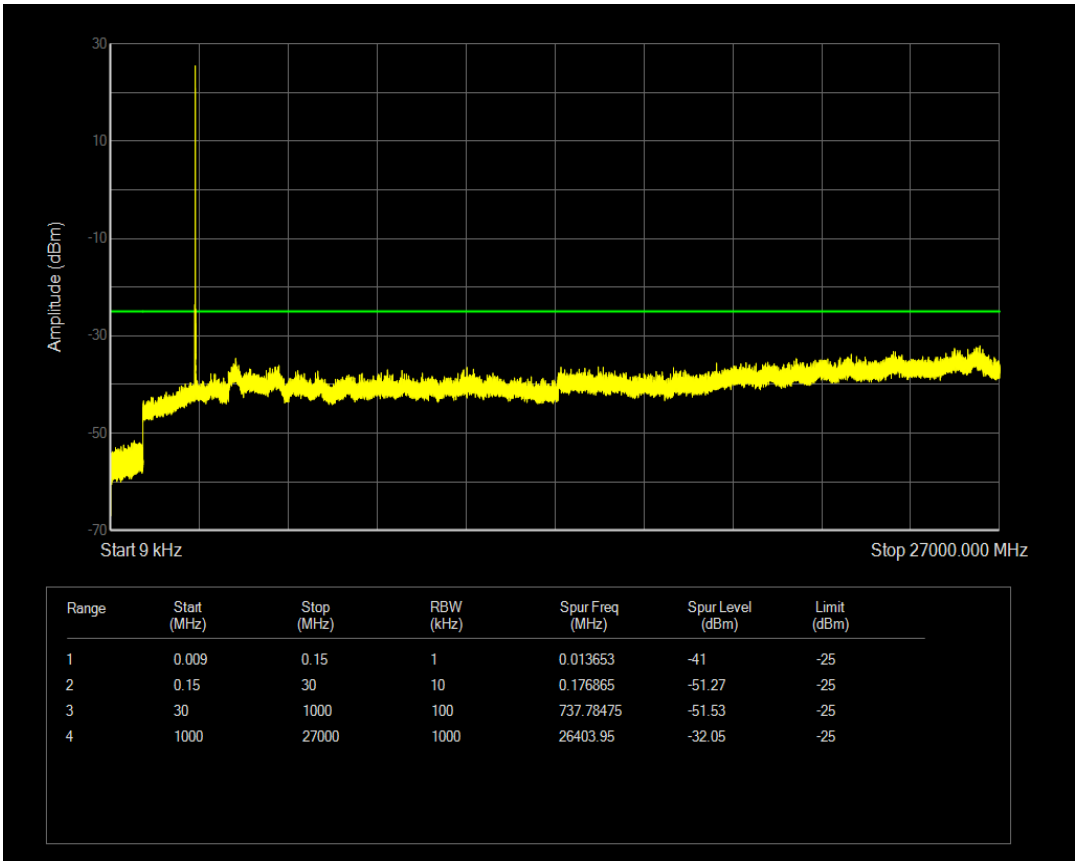
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0156693	-41.62	-25
2	0.15	30	10	0.15820875	-50.97	-25
3	30	1000	100	884.0365	-51.12	-25
4	1000	27000	1000	26286.95	-31.48	-25

n38 SCS=30kHz DFT_QPSK BW=10MHz Channel=515000 RB=1@23



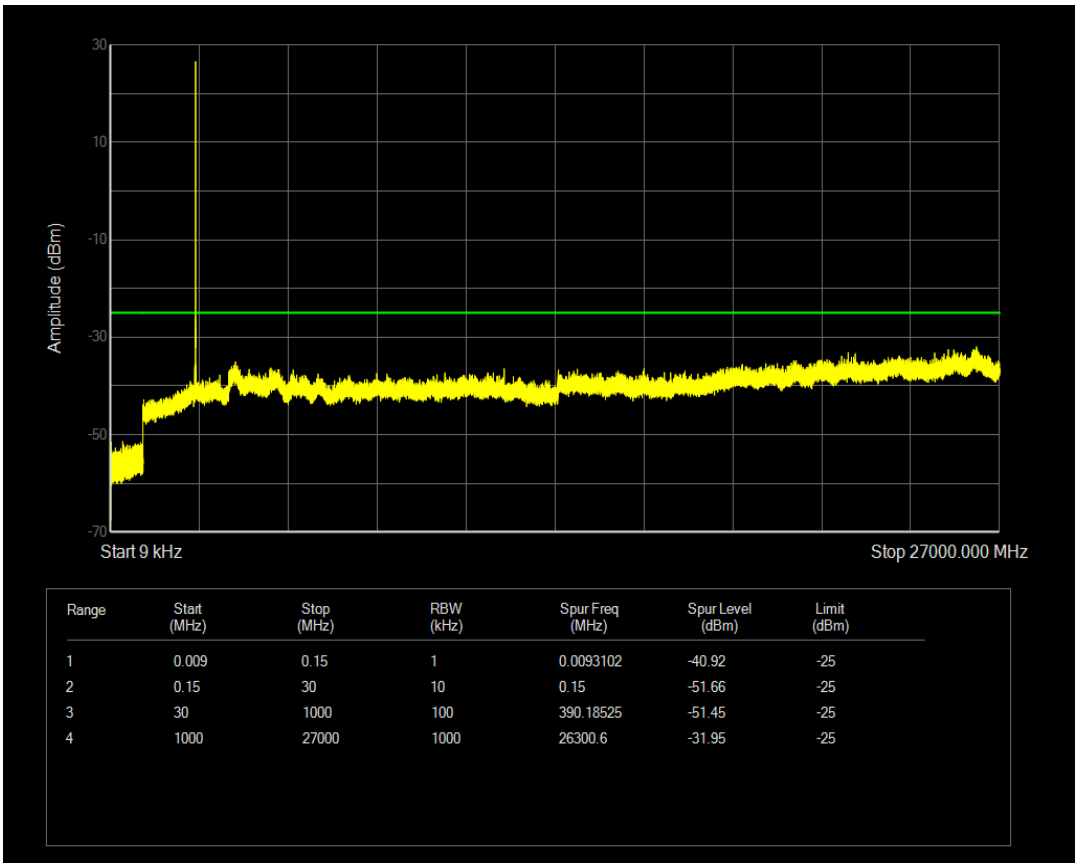
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0096204	-41.09	-25
2	0.15	30	10	0.16194	-50.72	-25
3	30	1000	100	849.5045	-51.76	-25
4	1000	27000	1000	26242.75	-32.11	-25

n38 SCS=30kHz DFT_QPSK BW=10MHz Channel=519000 RB=1@0



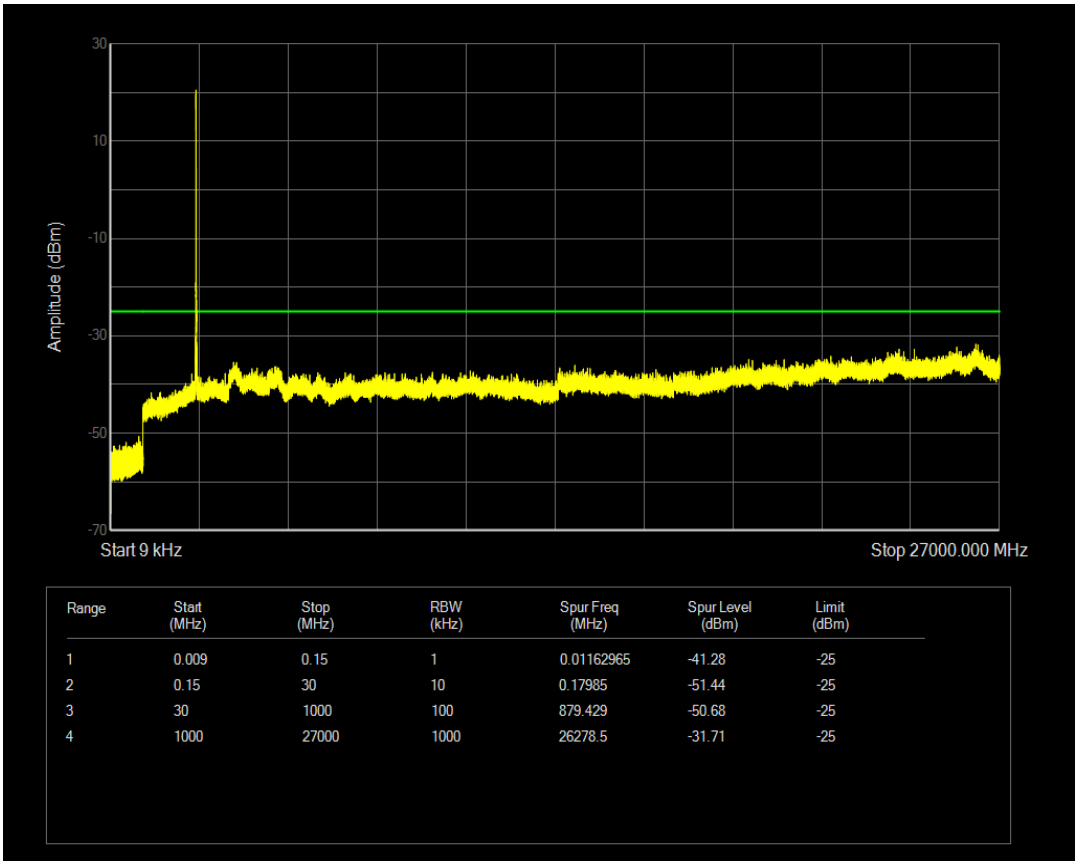
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.013653	-41	-25
2	0.15	30	10	0.176865	-51.27	-25
3	30	1000	100	737.78475	-51.53	-25
4	1000	27000	1000	26403.95	-32.05	-25

n38 SCS=30kHz DFT_QPSK BW=10MHz Channel=519000 RB=1@23



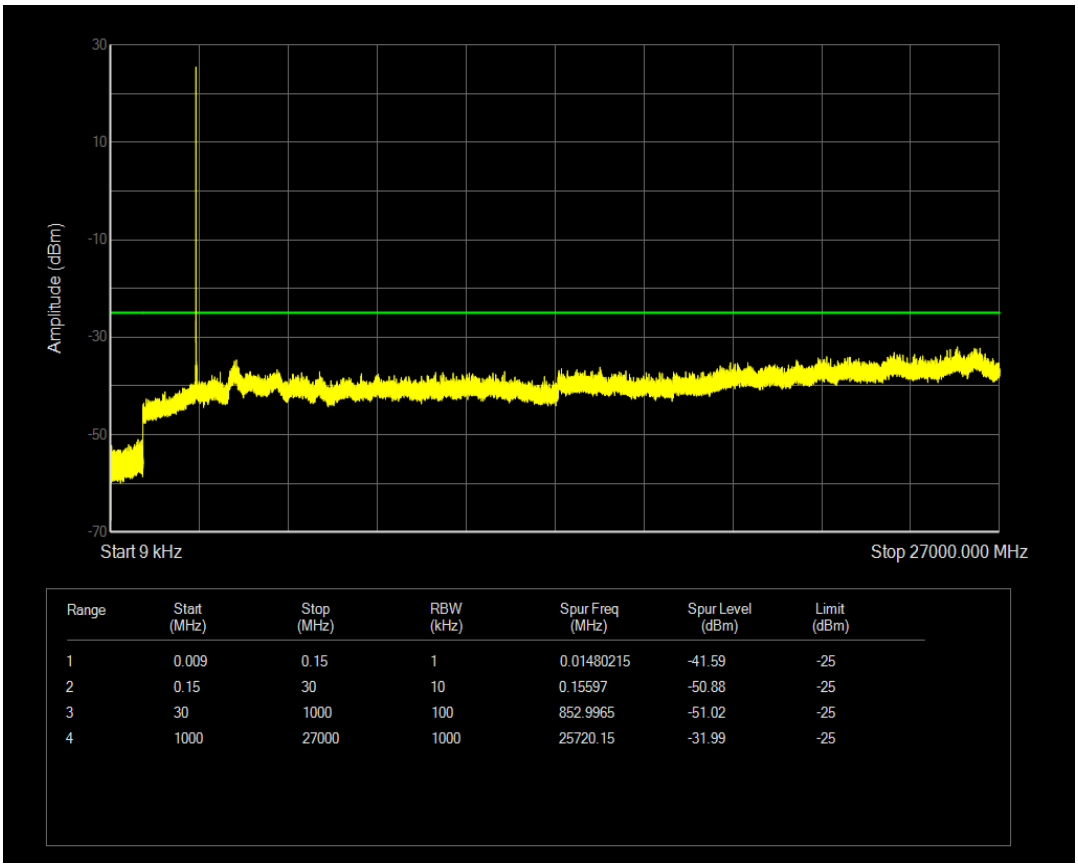
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0093102	-40.92	-25
2	0.15	30	10	0.15	-51.66	-25
3	30	1000	100	390.18525	-51.45	-25
4	1000	27000	1000	26300.6	-31.95	-25

n38 SCS=30kHz DFT_QPSK BW=10MHz Channel=523000 RB=24@0



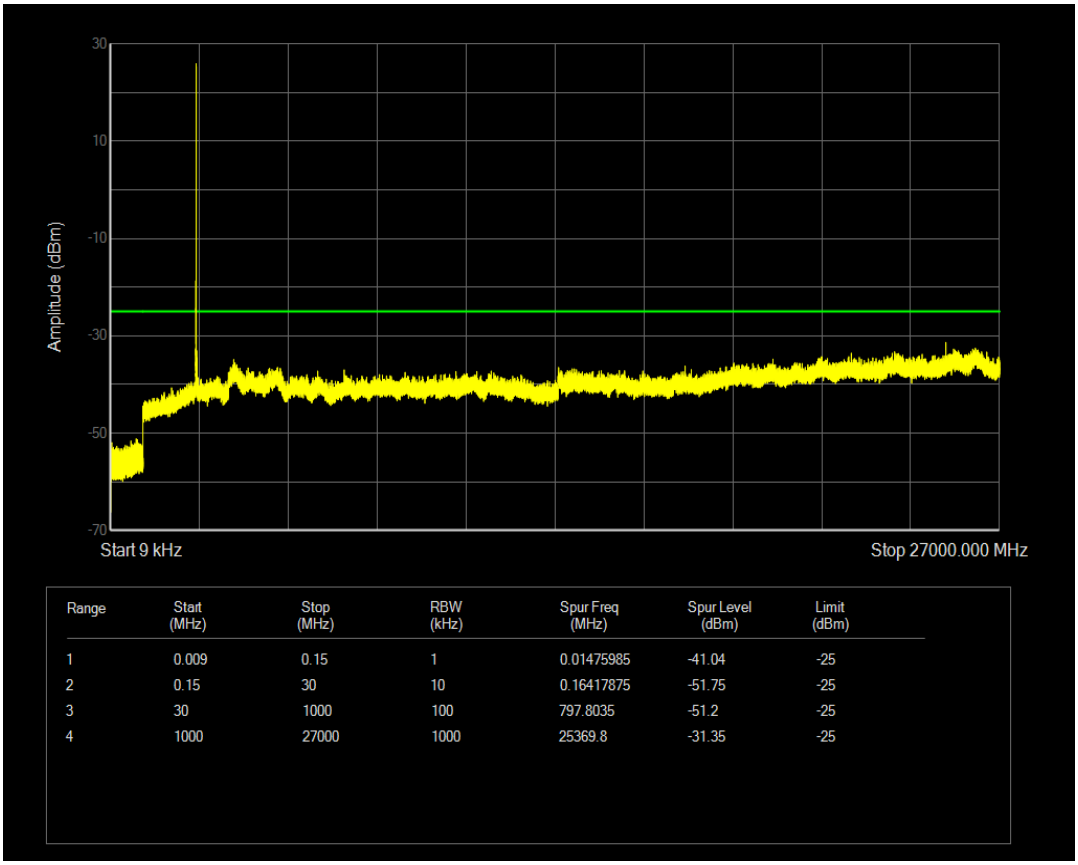
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01162965	-41.28	-25
2	0.15	30	10	0.17985	-51.44	-25
3	30	1000	100	879.429	-50.68	-25
4	1000	27000	1000	26278.5	-31.71	-25

n38 SCS=30kHz DFT_QPSK BW=10MHz Channel=523000 RB=1@0



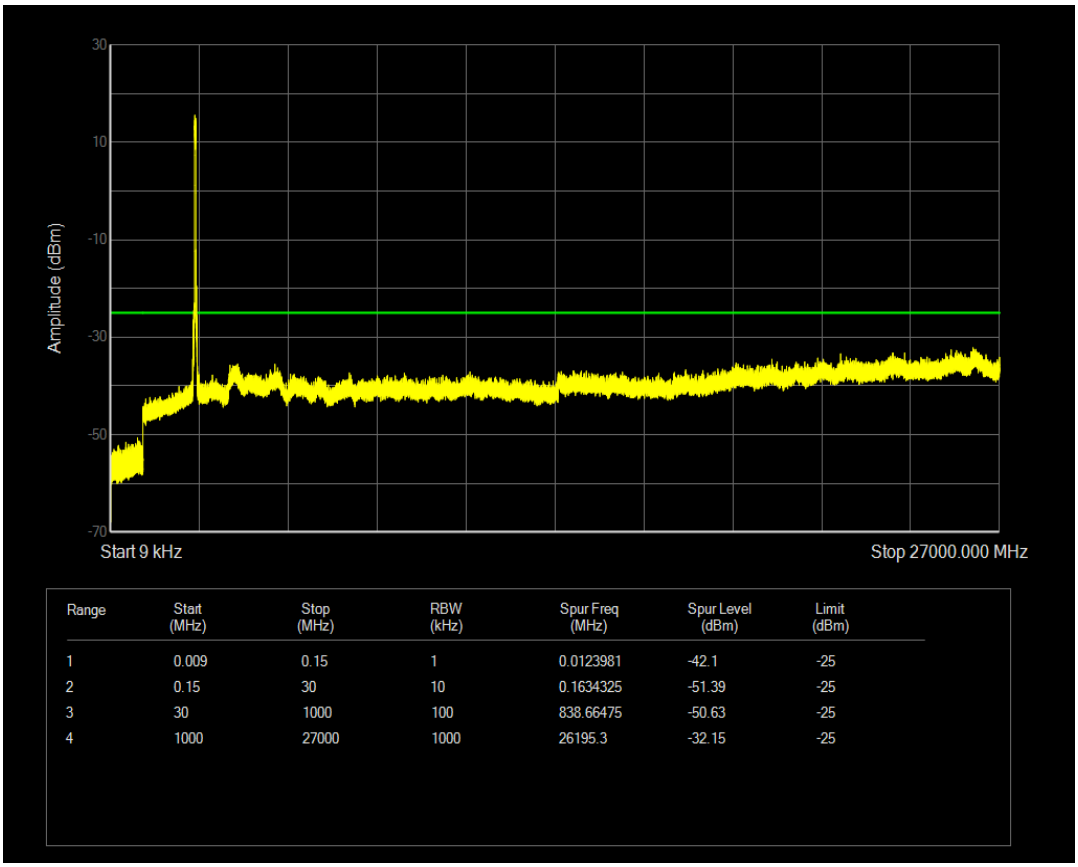
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01480215	-41.59	-25
2	0.15	30	10	0.15597	-50.88	-25
3	30	1000	100	852.9965	-51.02	-25
4	1000	27000	1000	25720.15	-31.99	-25

n38 SCS=30kHz DFT_QPSK BW=10MHz Channel=523000 RB=1@23



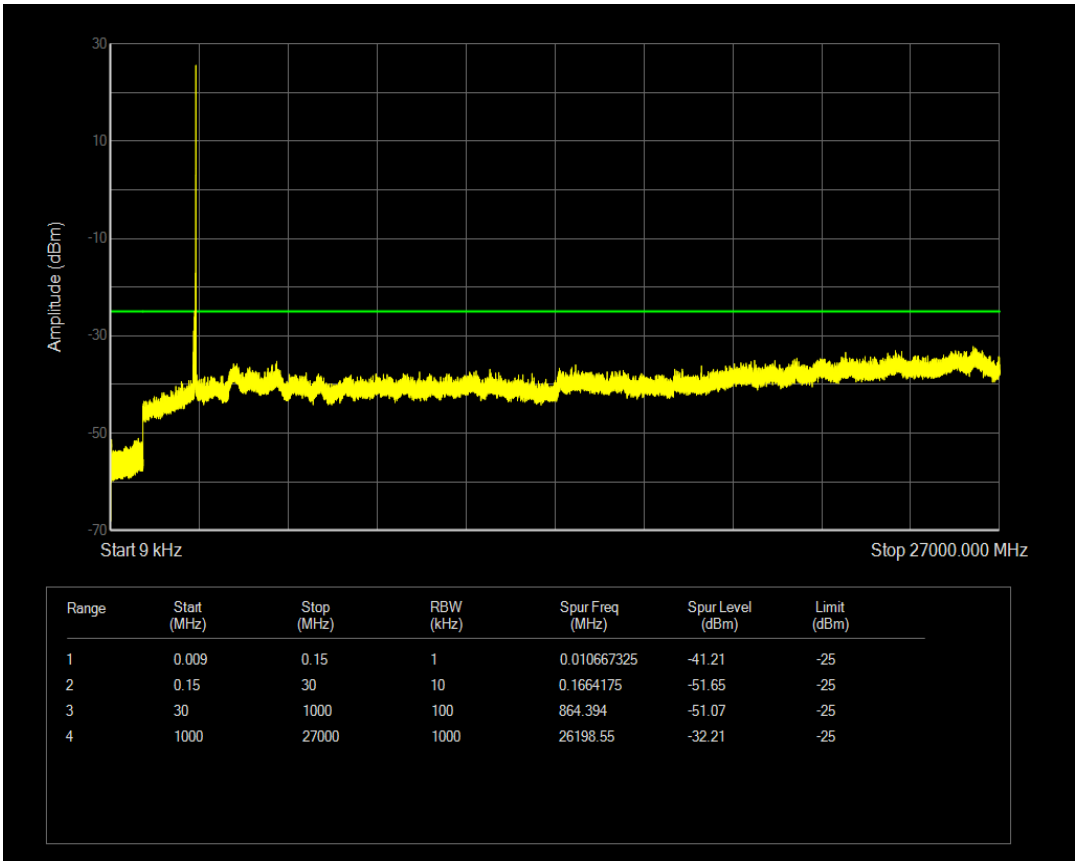
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01475985	-41.04	-25
2	0.15	30	10	0.16417875	-51.75	-25
3	30	1000	100	797.8035	-51.2	-25
4	1000	27000	1000	25369.8	-31.35	-25

n38 SCS=30kHz DFT_QPSK BW=40MHz Channel=518000 RB=100@0



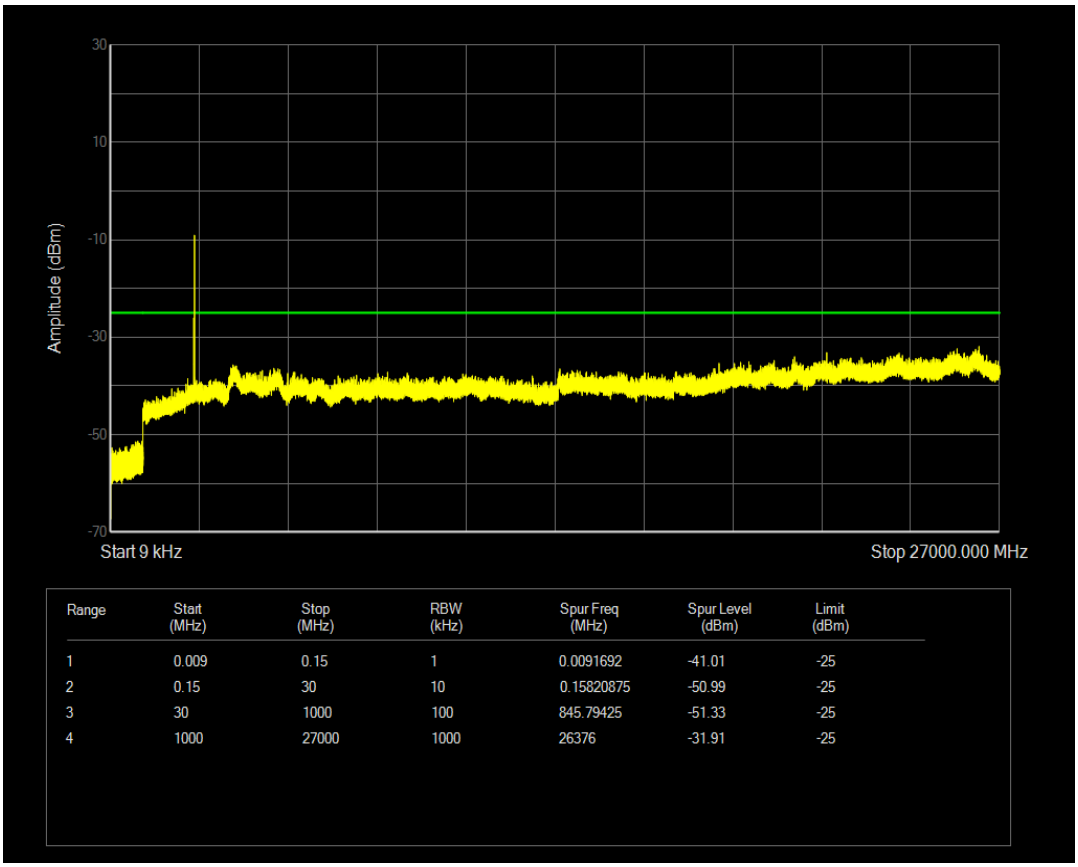
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0123981	-42.1	-25
2	0.15	30	10	0.1634325	-51.39	-25
3	30	1000	100	838.66475	-50.63	-25
4	1000	27000	1000	26195.3	-32.15	-25

n38 SCS=30kHz DFT_QPSK BW=40MHz Channel=518000 RB=1@105



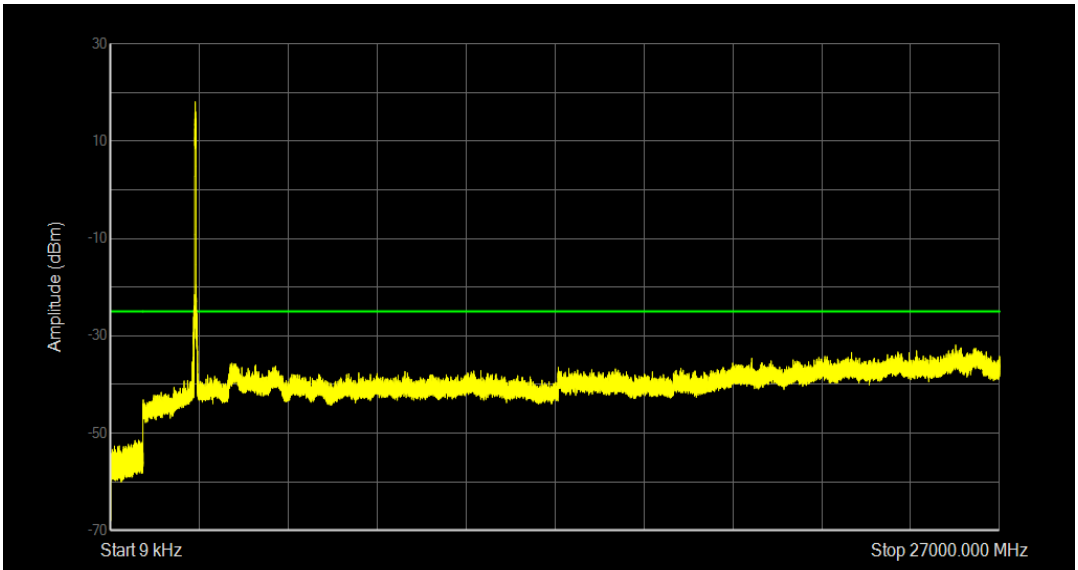
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.010667325	-41.21	-25
2	0.15	30	10	0.1664175	-51.65	-25
3	30	1000	100	864.394	-51.07	-25
4	1000	27000	1000	26198.55	-32.21	-25

n38 SCS=30kHz DFT_QPSK BW=40MHz Channel=518000 RB=1@0



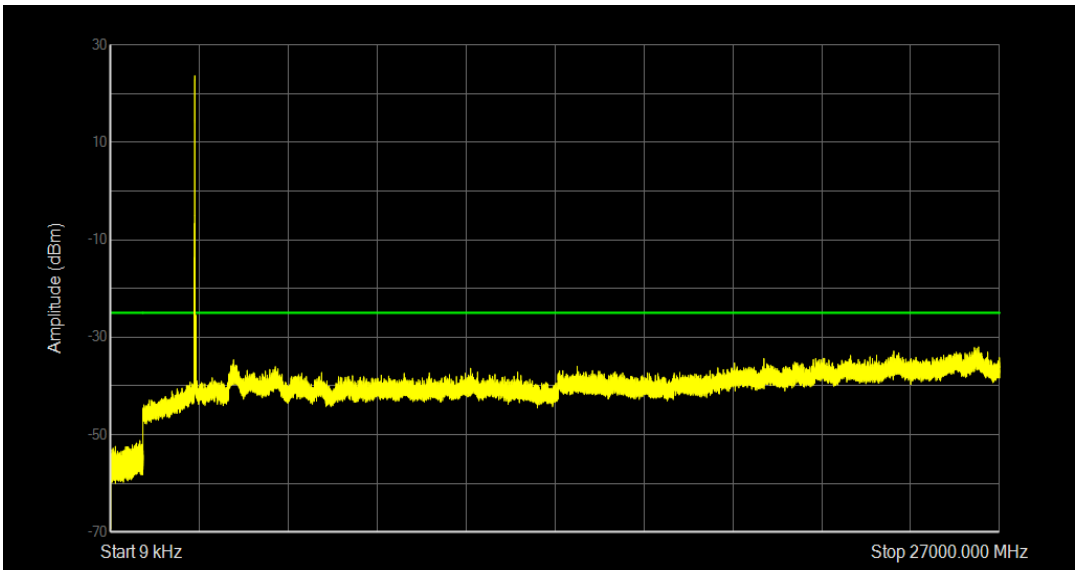
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0091692	-41.01	-25
2	0.15	30	10	0.15820875	-50.99	-25
3	30	1000	100	845.79425	-51.33	-25
4	1000	27000	1000	26376	-31.91	-25

n38 SCS=30kHz DFT_QPSK BW=40MHz Channel=519000 RB=100@0



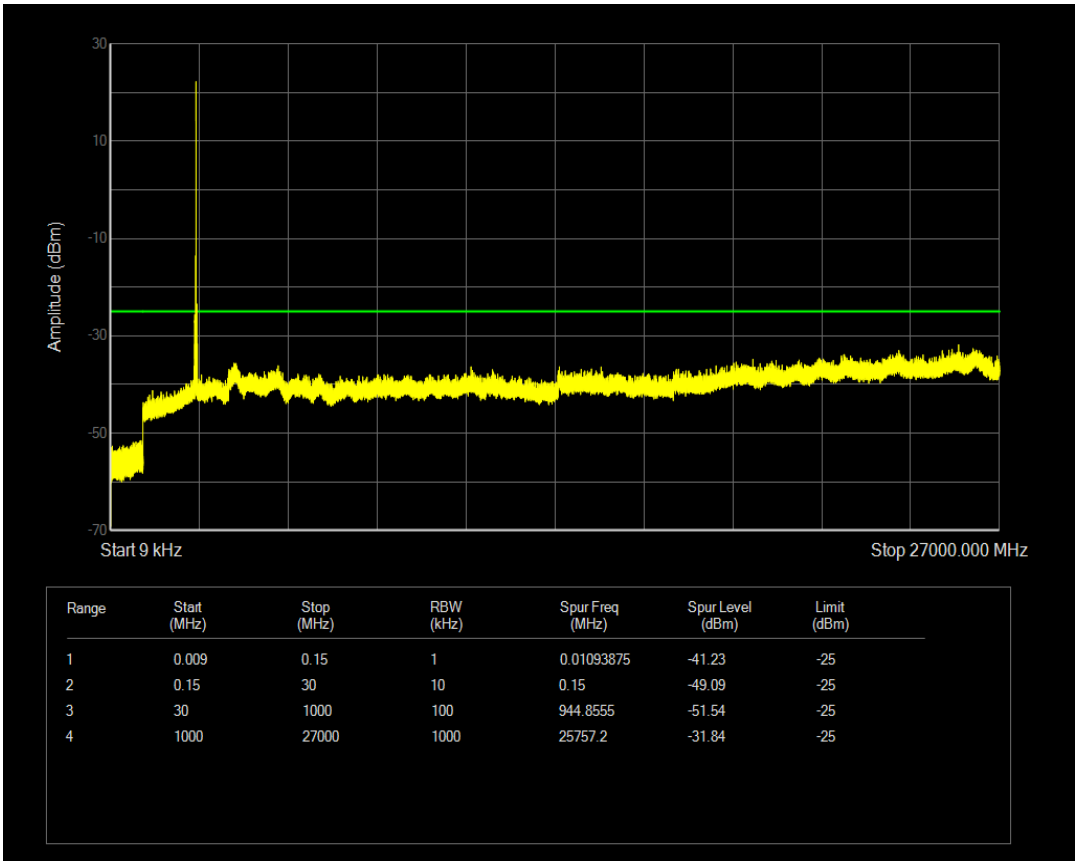
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.011344125	-40.28	-25
2	0.15	30	10	0.15820875	-50.5	-25
3	30	1000	100	874.31225	-51.48	-25
4	1000	27000	1000	25668.8	-31.9	-25

n38 SCS=30kHz DFT_QPSK BW=40MHz Channel=519000 RB=1@0



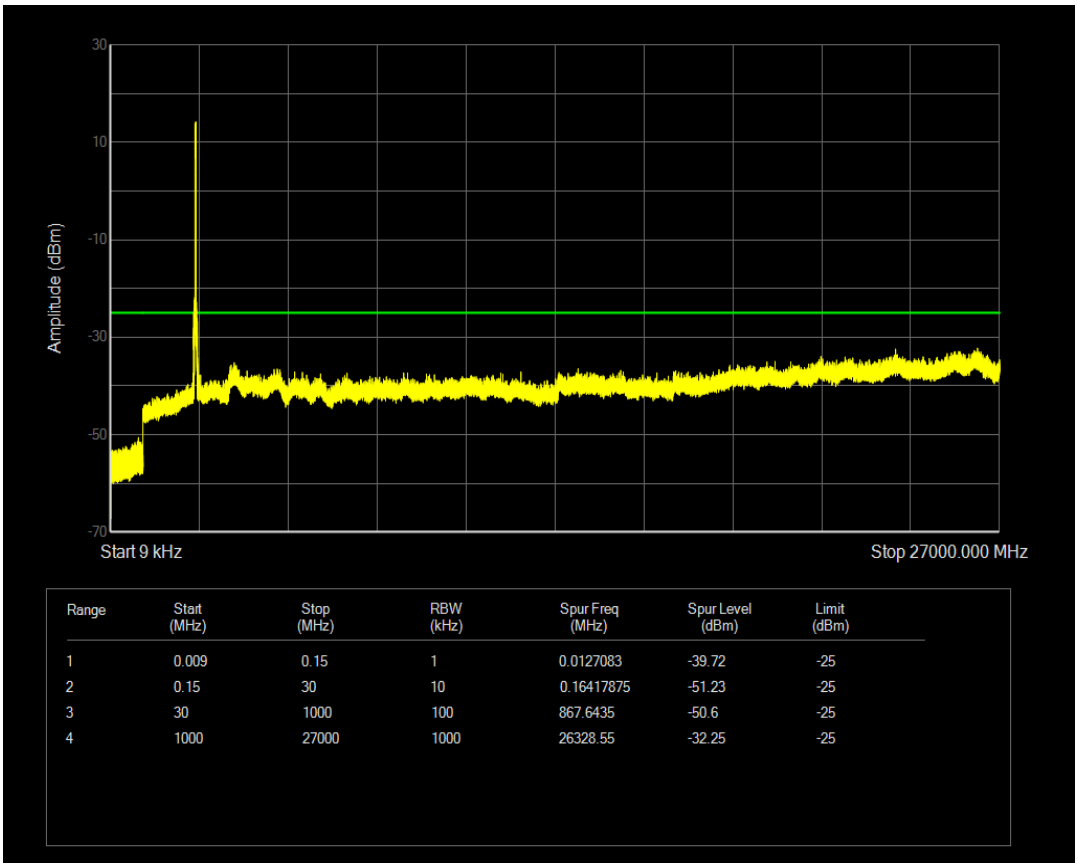
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01334985	-41.65	-25
2	0.15	30	10	0.15820875	-51.8	-25
3	30	1000	100	909.499	-51.23	-25
4	1000	27000	1000	26362.35	-31.99	-25

n38 SCS=30kHz DFT_QPSK BW=40MHz Channel=519000 RB=1@105



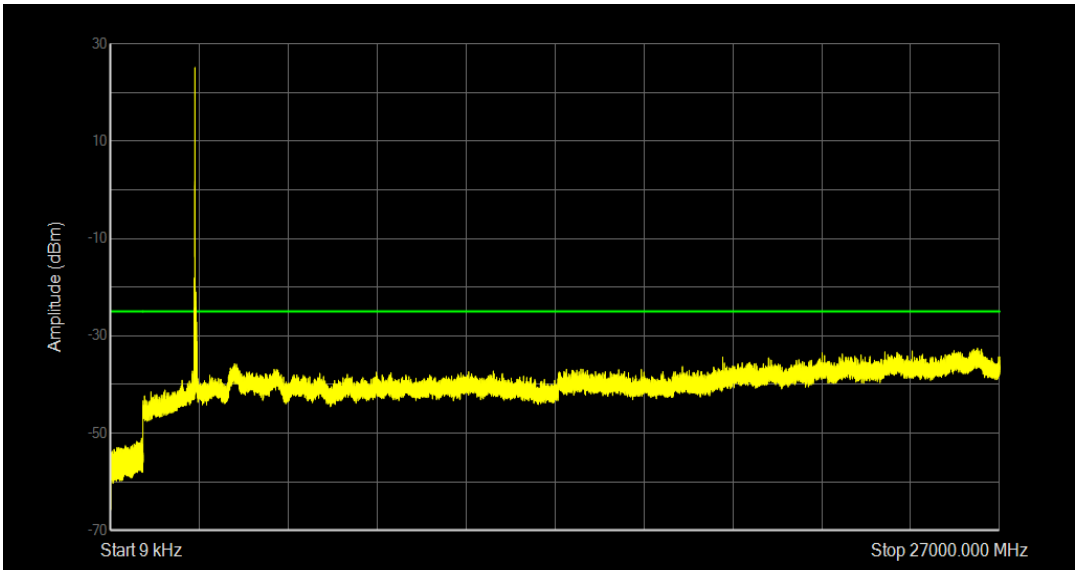
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01093875	-41.23	-25
2	0.15	30	10	0.15	-49.09	-25
3	30	1000	100	944.8555	-51.54	-25
4	1000	27000	1000	25757.2	-31.84	-25

n38 SCS=30kHz DFT_QPSK BW=40MHz Channel=520000 RB=100@0



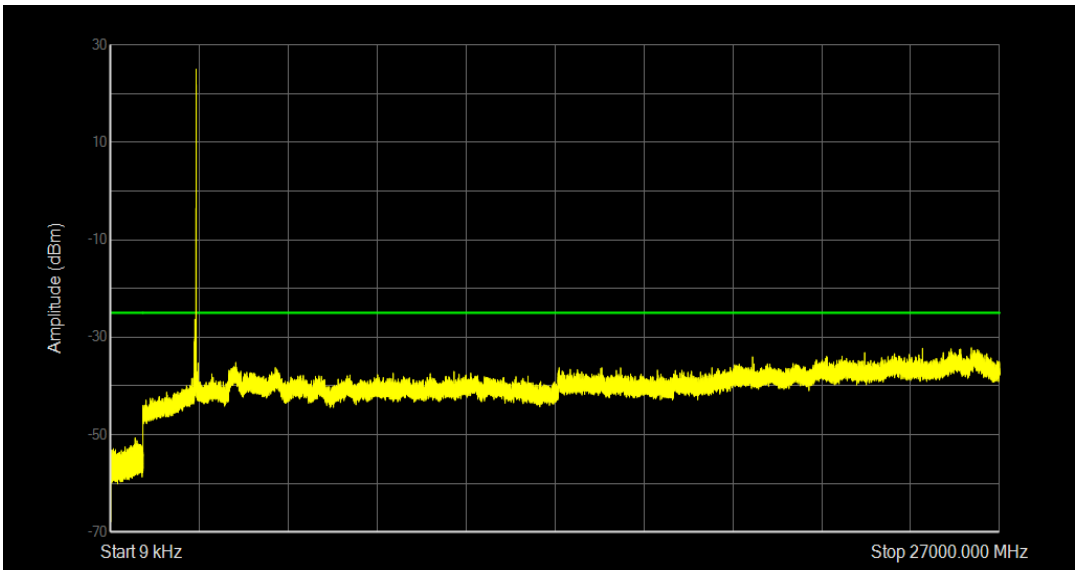
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0127083	-39.72	-25
2	0.15	30	10	0.16417875	-51.23	-25
3	30	1000	100	867.6435	-50.6	-25
4	1000	27000	1000	26328.55	-32.25	-25

n38 SCS=30kHz DFT_QPSK BW=40MHz Channel=520000 RB=1@0



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009116325	-41.65	-25
2	0.15	30	10	0.1514925	-50.94	-25
3	30	1000	100	960.83625	-51.06	-25
4	1000	27000	1000	26330.5	-32.56	-25

n38 SCS=30kHz DFT_QPSK BW=40MHz Channel=520000 RB=1@105



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.014587125	-41.02	-25
2	0.15	30	10	0.15522375	-50.72	-25
3	30	1000	100	767.61225	-50.65	-25
4	1000	27000	1000	26144.6	-32.17	-25