

Appendix Test Data for 5G-NR n77-H (3700MHz -3980MHz)

1 Conducted output power for NR FR1

NR Band n77(3700-3980) SCS 30KHz											
BW (MHz)	Modulation	RB Allocation	Conducted Power(dBm)			Ant gain (dBi)	EIRP(dBm)			Limit (dBm)	Verdict
			Channel/Frequency(MHz)				Channel/Frequency(MHz)				
			650000	656000	662000		650000	656000	662000		
			3750.0 00	3840.0 00	3930.0 00		3750.0 00	3840.0 00	3930.0 00		
100	DFT_BPSK	135@67	23.61	23.81	23.03	1.40	25.01	25.21	24.43	30.00	Pass
100	DFT_BPSK	1@1	23.07	23.12	23.11	1.40	24.47	24.52	24.51		Pass
100	DFT_BPSK	1@271	23.76	23.92	23.27	1.40	25.16	25.32	24.67		Pass
100	DFT_QPSK	135@67	23.19	23.44	23.22	1.40	24.59	24.84	24.62		Pass
100	DFT_QPSK	1@1	23.19	23.16	23.47	1.40	24.59	24.56	24.87		Pass
100	DFT_QPSK	1@271	23.24	23.34	23.24	1.40	24.64	24.74	24.64		Pass
100	DFT_QAM16	135@67	22.92	22.85	22.44	1.40	24.32	24.25	23.84		Pass
100	DFT_QAM16	1@1	22.50	22.76	22.04	1.40	23.90	24.16	23.44		Pass
100	DFT_QAM16	1@271	22.40	22.28	22.55	1.40	23.80	23.68	23.95		Pass
100	DFT_QAM64	135@67	21.94	21.06	21.77	1.40	23.34	22.46	23.17		Pass
100	DFT_QAM64	1@1	21.30	21.03	21.12	1.40	22.70	22.43	22.52		Pass
100	DFT_QAM64	1@271	21.01	21.93	21.40	1.40	22.41	23.33	22.80		Pass
100	DFT_QAM256	135@67	19.11	19.87	19.27	1.40	20.51	21.27	20.67		Pass
100	DFT_QAM256	1@1	19.73	19.00	19.86	1.40	21.13	20.40	21.26		Pass
100	DFT_QAM256	1@271	19.52	19.58	19.09	1.40	20.92	20.98	20.49		Pass
100	CP_QPSK	137@68	21.79	21.27	21.79	1.40	23.19	22.67	23.19		Pass
100	CP_QPSK	1@1	21.63	21.72	21.56	1.40	23.03	23.12	22.96		Pass
100	CP_QPSK	1@271	21.09	21.01	21.07	1.40	22.49	22.41	22.47		Pass
100	CP_QAM16	137@68	20.10	20.62	20.58	1.40	21.50	22.02	21.98		Pass
100	CP_QAM16	1@1	20.04	20.43	20.20	1.40	21.44	21.83	21.60		Pass
100	CP_QAM16	1@271	20.16	20.74	20.29	1.40	21.56	22.14	21.69		Pass
100	CP_QAM64	137@68	19.81	19.72	19.29	1.40	21.21	21.12	20.69		Pass
100	CP_QAM64	1@1	19.64	19.67	19.69	1.40	21.04	21.07	21.09		Pass
100	CP_QAM64	1@271	19.47	19.29	19.30	1.40	20.87	20.69	20.70		Pass
100	CP_QAM256	137@68	17.59	17.63	17.55	1.40	18.99	19.03	18.95		Pass
100	CP_QAM256	1@1	17.19	17.26	17.12	1.40	18.59	18.66	18.52		Pass
100	CP_QAM256	1@271	17.57	17.71	17.07	1.40	18.97	19.11	18.47		Pass

NR Band n77(3700-3980) SCS 30KHz											
BW (MHz)	Modulation	RB Allocation	Conducted Power(dBm)			Ant gain (dBi)	EIRP(dBm)			Limit (dBm)	Verdict
			Channel/Frequency(MHz)				Channel/Frequency(MHz)				
			649668	656000	662332		649668	656000	662332		
			3745.0 20	3840.0 00	3934.9 80		3745.0 20	3840.0 00	3934.9 80		
90	DFT_BPSK	120@60	23.87	23.55	23.87	1.40	25.27	24.95	25.27	30.00	Pass
90	DFT_BPSK	1@1	23.75	23.05	23.81	1.40	25.15	24.45	25.21		Pass
90	DFT_BPSK	1@243	23.91	23.60	23.48	1.40	25.31	25.00	24.88		Pass
90	DFT_QPSK	120@60	23.14	23.50	23.26	1.40	24.54	24.90	24.66		Pass
90	DFT_QPSK	1@1	23.48	23.42	23.55	1.40	24.88	24.82	24.95		Pass
90	DFT_QPSK	1@243	23.49	23.53	23.53	1.40	24.89	24.93	24.93		Pass
90	DFT_QAM16	120@60	22.31	22.72	22.69	1.40	23.71	24.12	24.09		Pass
90	DFT_QAM16	1@1	22.85	22.08	22.53	1.40	24.25	23.48	23.93		Pass
90	DFT_QAM16	1@243	22.03	22.94	22.25	1.40	23.43	24.34	23.65		Pass
90	DFT_QAM64	120@60	21.37	21.67	21.95	1.40	22.77	23.07	23.35		Pass
90	DFT_QAM64	1@1	21.91	21.35	21.19	1.40	23.31	22.75	22.59		Pass
90	DFT_QAM64	1@243	21.60	21.33	21.54	1.40	23.00	22.73	22.94		Pass
90	DFT_QAM256	120@60	19.65	19.27	19.84	1.40	21.05	20.67	21.24		Pass
90	DFT_QAM256	1@1	19.36	19.73	19.70	1.40	20.76	21.13	21.10		Pass
90	DFT_QAM256	1@243	19.62	19.29	19.36	1.40	21.02	20.69	20.76		Pass
90	CP_QPSK	123@61	21.20	21.85	21.05	1.40	22.60	23.25	22.45		Pass
90	CP_QPSK	1@1	21.74	21.11	21.40	1.40	23.14	22.51	22.80		Pass
90	CP_QPSK	1@243	21.15	21.58	21.13	1.40	22.55	22.98	22.53		Pass
90	CP_QAM16	123@61	20.44	20.84	20.08	1.40	21.84	22.24	21.48		Pass
90	CP_QAM16	1@1	20.78	20.68	20.46	1.40	22.18	22.08	21.86		Pass
90	CP_QAM16	1@243	20.11	20.07	20.82	1.40	21.51	21.47	22.22		Pass
90	CP_QAM64	123@61	19.38	19.34	19.05	1.40	20.78	20.74	20.45		Pass
90	CP_QAM64	1@1	19.05	19.36	19.74	1.40	20.45	20.76	21.14		Pass
90	CP_QAM64	1@243	19.22	19.95	19.94	1.40	20.62	21.35	21.34		Pass
90	CP_QAM256	123@61	17.52	17.11	17.49	1.40	18.92	18.51	18.89		Pass
90	CP_QAM256	1@1	17.09	17.87	17.79	1.40	18.49	19.27	19.19		Pass
90	CP_QAM256	1@243	17.36	17.28	17.00	1.40	18.76	18.68	18.40		Pass

NR Band n77(3700-3980) SCS 30KHz											
BW (MHz)	Modulation	RB Allocation	Conducted Power(dBm)			Ant gain (dBi)	EIRP(dBm)			Limit (dBm)	Verdict
			Channel/Frequency(MHz)				Channel/Frequency(MHz)				
			649334	656000	662666		649334	656000	662666		
			3740.0 10	3840.0 00	3939.9 90		3740.0 10	3840.0 00	3939.9 90		
80	DFT_BPSK	108@54	23.72	23.66	23.18	1.40	25.12	25.06	24.58	30.00	Pass
80	DFT_BPSK	1@1	23.81	23.73	23.09	1.40	25.21	25.13	24.49		Pass
80	DFT_BPSK	1@215	23.54	23.17	23.25	1.40	24.94	24.57	24.65		Pass
80	DFT_QPSK	108@54	23.39	23.44	23.47	1.40	24.79	24.84	24.87		Pass
80	DFT_QPSK	1@1	23.09	23.32	23.27	1.40	24.49	24.72	24.67		Pass
80	DFT_QPSK	1@215	23.24	23.29	23.46	1.40	24.64	24.69	24.86		Pass
80	DFT_QAM16	108@54	22.39	22.95	22.26	1.40	23.79	24.35	23.66		Pass
80	DFT_QAM16	1@1	22.11	22.10	22.66	1.40	23.51	23.50	24.06		Pass
80	DFT_QAM16	1@215	22.25	22.03	22.10	1.40	23.65	23.43	23.50		Pass
80	DFT_QAM64	108@54	21.19	21.89	21.33	1.40	22.59	23.29	22.73		Pass
80	DFT_QAM64	1@1	21.04	21.62	21.17	1.40	22.44	23.02	22.57		Pass
80	DFT_QAM64	1@215	21.91	21.80	21.67	1.40	23.31	23.20	23.07		Pass
80	DFT_QAM256	108@54	19.57	19.32	19.40	1.40	20.97	20.72	20.80		Pass
80	DFT_QAM256	1@1	19.54	19.09	19.27	1.40	20.94	20.49	20.67		Pass
80	DFT_QAM256	1@215	19.53	19.45	19.36	1.40	20.93	20.85	20.76		Pass
80	CP_QPSK	109@54	21.06	21.58	21.44	1.40	22.46	22.98	22.84		Pass
80	CP_QPSK	1@1	21.62	21.31	21.35	1.40	23.02	22.71	22.75		Pass
80	CP_QPSK	1@215	21.30	21.20	21.07	1.40	22.70	22.60	22.47		Pass
80	CP_QAM16	109@54	20.58	20.25	20.58	1.40	21.98	21.65	21.98		Pass
80	CP_QAM16	1@1	20.78	20.63	20.04	1.40	22.18	22.03	21.44		Pass
80	CP_QAM16	1@215	20.09	20.74	20.73	1.40	21.49	22.14	22.13		Pass
80	CP_QAM64	109@54	19.67	19.81	19.36	1.40	21.07	21.21	20.76		Pass
80	CP_QAM64	1@1	19.03	19.10	19.94	1.40	20.43	20.50	21.34		Pass
80	CP_QAM64	1@215	19.30	19.24	19.37	1.40	20.70	20.64	20.77		Pass
80	CP_QAM256	109@54	17.13	17.07	17.32	1.40	18.53	18.47	18.72		Pass
80	CP_QAM256	1@1	17.06	17.55	17.25	1.40	18.46	18.95	18.65		Pass
80	CP_QAM256	1@215	17.42	17.62	17.09	1.40	18.82	19.02	18.49		Pass

NR Band n77(3700-3980) SCS 30KHz											
BW (MHz)	Modulation	RB Allocation	Conducted Power(dBm)			Ant gain (dBi)	EIRP(dBm)			Limit (dBm)	Verdict
			Channel/Frequency(MHz)				Channel/Frequency(MHz)				
			648668	656000	663332		648668	656000	663332		
			3730.0 20	3840.0 00	3949.9 80		3730.0 20	3840.0 00	3949.9 80		
60	DFT_BPSK	81@40	23.39	23.44	23.43	1.40	24.79	24.84	24.83	30.00	Pass
60	DFT_BPSK	1@1	23.46	23.73	23.38	1.40	24.86	25.13	24.78		Pass
60	DFT_BPSK	1@160	23.34	23.48	23.02	1.40	24.74	24.88	24.42		Pass
60	DFT_QPSK	81@40	23.05	23.26	23.35	1.40	24.45	24.66	24.75		Pass
60	DFT_QPSK	1@1	23.15	23.33	23.11	1.40	24.55	24.73	24.51		Pass
60	DFT_QPSK	1@160	23.10	23.37	23.37	1.40	24.50	24.77	24.77		Pass
60	DFT_QAM16	81@40	22.39	22.01	22.42	1.40	23.79	23.41	23.82		Pass
60	DFT_QAM16	1@1	22.18	22.67	22.69	1.40	23.58	24.07	24.09		Pass
60	DFT_QAM16	1@160	22.50	22.23	22.06	1.40	23.90	23.63	23.46		Pass
60	DFT_QAM64	81@40	21.45	21.39	21.66	1.40	22.85	22.79	23.06		Pass
60	DFT_QAM64	1@1	21.63	21.83	21.02	1.40	23.03	23.23	22.42		Pass
60	DFT_QAM64	1@160	21.69	21.64	21.58	1.40	23.09	23.04	22.98		Pass
60	DFT_QAM256	81@40	19.64	19.06	19.75	1.40	21.04	20.46	21.15		Pass
60	DFT_QAM256	1@1	19.54	19.84	19.66	1.40	20.94	21.24	21.06		Pass
60	DFT_QAM256	1@160	19.10	19.43	19.05	1.40	20.50	20.83	20.45		Pass
60	CP_QPSK	81@40	21.53	21.92	21.61	1.40	22.93	23.32	23.01		Pass
60	CP_QPSK	1@1	21.35	21.70	21.06	1.40	22.75	23.10	22.46		Pass
60	CP_QPSK	1@160	21.53	21.32	21.89	1.40	22.93	22.72	23.29		Pass
60	CP_QAM16	81@40	20.68	20.83	20.69	1.40	22.08	22.23	22.09		Pass
60	CP_QAM16	1@1	20.31	20.94	20.77	1.40	21.71	22.34	22.17		Pass
60	CP_QAM16	1@160	20.80	20.37	20.22	1.40	22.20	21.77	21.62		Pass
60	CP_QAM64	81@40	19.91	19.69	19.20	1.40	21.31	21.09	20.60		Pass
60	CP_QAM64	1@1	19.47	19.18	19.30	1.40	20.87	20.58	20.70		Pass
60	CP_QAM64	1@160	19.82	19.18	19.61	1.40	21.22	20.58	21.01		Pass
60	CP_QAM256	81@40	17.83	17.61	17.52	1.40	19.23	19.01	18.92		Pass
60	CP_QAM256	1@1	17.23	17.82	17.88	1.40	18.63	19.22	19.28		Pass
60	CP_QAM256	1@160	17.35	17.16	17.94	1.40	18.75	18.56	19.34		Pass

NR Band n77(3700-3980) SCS 30KHz											
BW (MHz)	Modulation	RB Allocation	Conducted Power(dBm)			Ant gain (dBi)	EIRP(dBm)			Limit (dBm)	Verdict
			Channel/Frequency(MHz)				Channel/Frequency(MHz)				
			648334	656000	663666		648334	656000	663666		
			3725.0 10	3840.0 00	3954.9 90		3725.0 10	3840.0 00	3954.9 90		
50	DFT_BPSK	64@32	23.03	23.33	23.74	1.40	24.43	24.73	25.14	30.00	Pass
50	DFT_BPSK	1@1	23.46	23.42	23.88	1.40	24.86	24.82	25.28		Pass
50	DFT_BPSK	1@131	23.69	23.63	23.29	1.40	25.09	25.03	24.69		Pass
50	DFT_QPSK	64@32	23.52	23.13	23.41	1.40	24.92	24.53	24.81		Pass
50	DFT_QPSK	1@1	23.29	23.22	23.38	1.40	24.69	24.62	24.78		Pass
50	DFT_QPSK	1@131	23.22	23.55	23.25	1.40	24.62	24.95	24.65		Pass
50	DFT_QAM16	64@32	22.35	22.75	22.68	1.40	23.75	24.15	24.08		Pass
50	DFT_QAM16	1@1	22.55	22.19	22.29	1.40	23.95	23.59	23.69		Pass
50	DFT_QAM16	1@131	22.69	22.46	22.83	1.40	24.09	23.86	24.23		Pass
50	DFT_QAM64	64@32	21.25	21.95	21.78	1.40	22.65	23.35	23.18		Pass
50	DFT_QAM64	1@1	21.86	21.45	21.84	1.40	23.26	22.85	23.24		Pass
50	DFT_QAM64	1@131	21.52	21.91	21.09	1.40	22.92	23.31	22.49		Pass
50	DFT_QAM256	64@32	19.88	19.06	19.15	1.40	21.28	20.46	20.55		Pass
50	DFT_QAM256	1@1	19.79	19.22	19.23	1.40	21.19	20.62	20.63		Pass
50	DFT_QAM256	1@131	19.12	19.43	19.07	1.40	20.52	20.83	20.47		Pass
50	CP_QPSK	67@33	21.25	21.85	21.86	1.40	22.65	23.25	23.26		Pass
50	CP_QPSK	1@1	21.17	21.51	21.87	1.40	22.57	22.91	23.27		Pass
50	CP_QPSK	1@131	21.31	21.52	21.33	1.40	22.71	22.92	22.73		Pass
50	CP_QAM16	67@33	20.62	20.25	20.49	1.40	22.02	21.65	21.89		Pass
50	CP_QAM16	1@1	20.34	20.43	20.53	1.40	21.74	21.83	21.93		Pass
50	CP_QAM16	1@131	20.72	20.20	20.73	1.40	22.12	21.60	22.13		Pass
50	CP_QAM64	67@33	19.32	19.10	19.76	1.40	20.72	20.50	21.16		Pass
50	CP_QAM64	1@1	19.64	19.65	19.44	1.40	21.04	21.05	20.84		Pass
50	CP_QAM64	1@131	19.54	19.01	19.26	1.40	20.94	20.41	20.66		Pass
50	CP_QAM256	67@33	17.63	17.05	17.35	1.40	19.03	18.45	18.75		Pass
50	CP_QAM256	1@1	17.53	17.56	17.46	1.40	18.93	18.96	18.86		Pass
50	CP_QAM256	1@131	17.47	17.08	17.30	1.40	18.87	18.48	18.70		Pass

NR Band n77(3700-3980) SCS 30KHz											
BW (MHz)	Modulation	RB Allocation	Conducted Power(dBm)			Ant gain (dBi)	EIRP(dBm)			Limit (dBm)	Verdict
			Channel/Frequency(MHz)				Channel/Frequency(MHz)				
			648000	656000	664000		648000	656000	664000		
			3720.0 00	3840.0 00	3960.0 00		3720.0 00	3840.0 00	3960.0 00		
40	DFT_BPSK	50@25	23.21	23.58	23.32	1.40	24.61	24.98	24.72	30.00	Pass
40	DFT_BPSK	1@1	23.93	23.05	23.77	1.40	25.33	24.45	25.17		Pass
40	DFT_BPSK	1@104	23.00	23.72	23.34	1.40	24.40	25.12	24.74		Pass
40	DFT_QPSK	50@25	23.39	23.17	23.13	1.40	24.79	24.57	24.53		Pass
40	DFT_QPSK	1@1	23.39	23.24	23.29	1.40	24.79	24.64	24.69		Pass
40	DFT_QPSK	1@104	23.42	23.23	23.29	1.40	24.82	24.63	24.69		Pass
40	DFT_QAM16	50@25	22.56	22.09	22.29	1.40	23.96	23.49	23.69		Pass
40	DFT_QAM16	1@1	22.89	22.57	22.30	1.40	24.29	23.97	23.70		Pass
40	DFT_QAM16	1@104	22.51	22.43	22.75	1.40	23.91	23.83	24.15		Pass
40	DFT_QAM64	50@25	21.68	21.41	21.44	1.40	23.08	22.81	22.84		Pass
40	DFT_QAM64	1@1	21.73	21.56	21.68	1.40	23.13	22.96	23.08		Pass
40	DFT_QAM64	1@104	21.37	21.72	21.40	1.40	22.77	23.12	22.80		Pass
40	DFT_QAM256	50@25	19.42	19.42	19.37	1.40	20.82	20.82	20.77		Pass
40	DFT_QAM256	1@1	19.30	19.11	19.72	1.40	20.70	20.51	21.12		Pass
40	DFT_QAM256	1@104	19.56	19.23	19.37	1.40	20.96	20.63	20.77		Pass
40	CP_QPSK	53@26	21.14	21.06	21.73	1.40	22.54	22.46	23.13		Pass
40	CP_QPSK	1@1	21.54	21.81	21.18	1.40	22.94	23.21	22.58		Pass
40	CP_QPSK	1@104	21.83	21.50	21.44	1.40	23.23	22.90	22.84		Pass
40	CP_QAM16	53@26	20.63	20.95	20.17	1.40	22.03	22.35	21.57		Pass
40	CP_QAM16	1@1	20.54	20.68	20.19	1.40	21.94	22.08	21.59		Pass
40	CP_QAM16	1@104	20.53	20.88	20.65	1.40	21.93	22.28	22.05		Pass
40	CP_QAM64	53@26	19.08	19.83	19.48	1.40	20.48	21.23	20.88		Pass
40	CP_QAM64	1@1	19.26	19.37	19.36	1.40	20.66	20.77	20.76		Pass
40	CP_QAM64	1@104	19.88	19.87	19.04	1.40	21.28	21.27	20.44		Pass
40	CP_QAM256	53@26	17.65	17.49	17.62	1.40	19.05	18.89	19.02		Pass
40	CP_QAM256	1@1	17.52	17.44	17.47	1.40	18.92	18.84	18.87		Pass
40	CP_QAM256	1@104	17.03	17.12	17.19	1.40	18.43	18.52	18.59		Pass

NR Band n77(3700-3980) SCS 30KHz											
BW (MHz)	Modulation	RB Allocation	Conducted Power(dBm)			Ant gain (dBi)	EIRP(dBm)			Limit (dBm)	Verdict
			Channel/Frequency(MHz)				Channel/Frequency(MHz)				
			647668	656000	664332		647668	656000	664332		
			3715.0 20	3840.0 00	3964.9 80		3715.0 20	3840.0 00	3964.9 80		
30	DFT_BPSK	36@18	23.61	23.44	23.60	1.40	25.01	24.84	25.00	30.00	Pass
30	DFT_BPSK	1@1	23.86	23.05	23.59	1.40	25.26	24.45	24.99		Pass
30	DFT_BPSK	1@76	23.72	23.10	23.37	1.40	25.12	24.50	24.77		Pass
30	DFT_QPSK	36@18	23.40	23.11	23.32	1.40	24.80	24.51	24.72		Pass
30	DFT_QPSK	1@1	23.12	23.50	23.31	1.40	24.52	24.90	24.71		Pass
30	DFT_QPSK	1@76	23.20	23.41	23.30	1.40	24.60	24.81	24.70		Pass
30	DFT_QAM16	36@18	22.94	22.66	22.58	1.40	24.34	24.06	23.98		Pass
30	DFT_QAM16	1@1	22.88	22.32	22.75	1.40	24.28	23.72	24.15		Pass
30	DFT_QAM16	1@76	22.41	22.89	22.20	1.40	23.81	24.29	23.60		Pass
30	DFT_QAM64	36@18	21.05	21.18	21.53	1.40	22.45	22.58	22.93		Pass
30	DFT_QAM64	1@1	21.52	21.64	21.91	1.40	22.92	23.04	23.31		Pass
30	DFT_QAM64	1@76	21.50	21.08	21.41	1.40	22.90	22.48	22.81		Pass
30	DFT_QAM256	36@18	19.84	19.22	19.82	1.40	21.24	20.62	21.22		Pass
30	DFT_QAM256	1@1	19.27	19.66	19.21	1.40	20.67	21.06	20.61		Pass
30	DFT_QAM256	1@76	19.80	19.57	19.20	1.40	21.20	20.97	20.60		Pass
30	CP_QPSK	39@19	21.78	21.17	21.48	1.40	23.18	22.57	22.88		Pass
30	CP_QPSK	1@1	21.66	21.64	21.52	1.40	23.06	23.04	22.92		Pass
30	CP_QPSK	1@76	21.38	21.82	21.62	1.40	22.78	23.22	23.02		Pass
30	CP_QAM16	39@19	20.81	20.44	20.85	1.40	22.21	21.84	22.25		Pass
30	CP_QAM16	1@1	20.28	20.07	20.32	1.40	21.68	21.47	21.72		Pass
30	CP_QAM16	1@76	20.78	20.15	20.31	1.40	22.18	21.55	21.71		Pass
30	CP_QAM64	39@19	19.11	19.68	19.65	1.40	20.51	21.08	21.05		Pass
30	CP_QAM64	1@1	19.75	19.72	19.73	1.40	21.15	21.12	21.13		Pass
30	CP_QAM64	1@76	19.14	19.02	19.29	1.40	20.54	20.42	20.69		Pass
30	CP_QAM256	39@19	17.19	17.57	17.10	1.40	18.59	18.97	18.50		Pass
30	CP_QAM256	1@1	17.45	17.33	17.51	1.40	18.85	18.73	18.91		Pass
30	CP_QAM256	1@76	17.78	17.16	17.42	1.40	19.18	18.56	18.82		Pass

NR Band n77(3700-3980) SCS 30KHz											
BW (MHz)	Modulation	RB Allocation	Conducted Power(dBm)			Ant gain (dBi)	EIRP(dBm)			Limit (dBm)	Verdict
			Channel/Frequency(MHz)				Channel/Frequency(MHz)				
			647334	656000	664666		647334	656000	664666		
			3710.0 10	3840.0 00	3969.9 90		3710.0 10	3840.0 00	3969.9 90		
20	DFT_BPSK	25@12	23.76	23.88	23.37	1.40	25.16	25.28	24.77	30.00	Pass
20	DFT_BPSK	1@1	23.74	23.24	23.49	1.40	25.14	24.64	24.89		Pass
20	DFT_BPSK	1@49	23.02	23.61	23.34	1.40	24.42	25.01	24.74		Pass
20	DFT_QPSK	25@12	23.11	23.41	23.11	1.40	24.51	24.81	24.51		Pass
20	DFT_QPSK	1@1	23.03	23.15	23.50	1.40	24.43	24.55	24.90		Pass
20	DFT_QPSK	1@49	23.00	23.45	23.42	1.40	24.40	24.85	24.82		Pass
20	DFT_QAM16	25@12	22.20	22.22	22.35	1.40	23.60	23.62	23.75		Pass
20	DFT_QAM16	1@1	22.37	22.80	22.00	1.40	23.77	24.20	23.40		Pass
20	DFT_QAM16	1@49	22.33	22.50	22.34	1.40	23.73	23.90	23.74		Pass
20	DFT_QAM64	25@12	21.10	21.41	21.30	1.40	22.50	22.81	22.70		Pass
20	DFT_QAM64	1@1	21.50	21.42	21.78	1.40	22.90	22.82	23.18		Pass
20	DFT_QAM64	1@49	21.57	21.46	21.03	1.40	22.97	22.86	22.43		Pass
20	DFT_QAM256	25@12	19.39	19.70	19.87	1.40	20.79	21.10	21.27		Pass
20	DFT_QAM256	1@1	19.02	19.00	19.25	1.40	20.42	20.40	20.65		Pass
20	DFT_QAM256	1@49	19.85	19.77	19.04	1.40	21.25	21.17	20.44		Pass
20	CP_QPSK	25@12	21.29	21.13	21.62	1.40	22.69	22.53	23.02		Pass
20	CP_QPSK	1@1	21.39	21.31	21.35	1.40	22.79	22.71	22.75		Pass
20	CP_QPSK	1@49	21.15	21.93	21.08	1.40	22.55	23.33	22.48		Pass
20	CP_QAM16	25@12	20.70	20.16	20.86	1.40	22.10	21.56	22.26		Pass
20	CP_QAM16	1@1	20.58	20.00	20.59	1.40	21.98	21.40	21.99		Pass
20	CP_QAM16	1@49	20.89	20.22	20.90	1.40	22.29	21.62	22.30		Pass
20	CP_QAM64	25@12	19.39	19.78	19.73	1.40	20.79	21.18	21.13		Pass
20	CP_QAM64	1@1	19.43	19.39	19.26	1.40	20.83	20.79	20.66		Pass
20	CP_QAM64	1@49	19.60	19.68	19.54	1.40	21.00	21.08	20.94		Pass
20	CP_QAM256	25@12	17.33	17.30	17.87	1.40	18.73	18.70	19.27		Pass
20	CP_QAM256	1@1	17.50	17.88	17.20	1.40	18.90	19.28	18.60		Pass
20	CP_QAM256	1@49	17.10	17.63	17.14	1.40	18.50	19.03	18.54		Pass

NR Band n77(3700-3980) SCS 30KHz											
BW (MHz)	Modulation	RB Allocation	Conducted Power(dBm)			Ant gain (dBi)	EIRP(dBm)			Limit (dBm)	Verdict
			Channel/Frequency(MHz)				Channel/Frequency(MHz)				
			647168	656000	664832		647168	656000	664832		
			3707.5 20	3840.0 00	3972.4 80		3707.5 20	3840.0 00	3972.4 80		
15	DFT_BPSK	18@9	23.30	23.22	23.92	1.40	24.70	24.62	25.32	30.00	Pass
15	DFT_BPSK	1@1	23.18	23.85	23.49	1.40	24.58	25.25	24.89		Pass
15	DFT_BPSK	1@36	23.78	23.95	23.45	1.40	25.18	25.35	24.85		Pass
15	DFT_QPSK	18@9	23.25	23.12	23.29	1.40	24.65	24.52	24.69		Pass
15	DFT_QPSK	1@1	23.15	23.55	23.10	1.40	24.55	24.95	24.50		Pass
15	DFT_QPSK	1@36	23.46	23.18	23.06	1.40	24.86	24.58	24.46		Pass
15	DFT_QAM16	18@9	22.63	22.14	22.55	1.40	24.03	23.54	23.95		Pass
15	DFT_QAM16	1@1	22.32	22.41	22.63	1.40	23.72	23.81	24.03		Pass
15	DFT_QAM16	1@36	22.10	22.37	22.02	1.40	23.50	23.77	23.42		Pass
15	DFT_QAM64	18@9	21.92	21.30	21.38	1.40	23.32	22.70	22.78		Pass
15	DFT_QAM64	1@1	21.41	21.50	21.90	1.40	22.81	22.90	23.30		Pass
15	DFT_QAM64	1@36	21.01	21.73	21.66	1.40	22.41	23.13	23.06		Pass
15	DFT_QAM256	18@9	19.87	19.95	19.78	1.40	21.27	21.35	21.18		Pass
15	DFT_QAM256	1@1	19.81	19.40	19.64	1.40	21.21	20.80	21.04		Pass
15	DFT_QAM256	1@36	19.30	19.45	19.25	1.40	20.70	20.85	20.65		Pass
15	CP_QPSK	19@9	21.34	21.30	21.03	1.40	22.74	22.70	22.43		Pass
15	CP_QPSK	1@1	21.35	21.83	21.28	1.40	22.75	23.23	22.68		Pass
15	CP_QPSK	1@36	21.75	21.39	21.44	1.40	23.15	22.79	22.84		Pass
15	CP_QAM16	19@9	20.08	20.12	20.60	1.40	21.48	21.52	22.00		Pass
15	CP_QAM16	1@1	20.78	20.60	20.27	1.40	22.18	22.00	21.67		Pass
15	CP_QAM16	1@36	20.16	20.87	20.46	1.40	21.56	22.27	21.86		Pass
15	CP_QAM64	19@9	19.34	19.92	19.36	1.40	20.74	21.32	20.76		Pass
15	CP_QAM64	1@1	19.42	19.39	19.70	1.40	20.82	20.79	21.10		Pass
15	CP_QAM64	1@36	19.02	19.44	19.34	1.40	20.42	20.84	20.74		Pass
15	CP_QAM256	19@9	17.38	17.70	17.08	1.40	18.78	19.10	18.48		Pass
15	CP_QAM256	1@1	17.60	17.48	17.58	1.40	19.00	18.88	18.98		Pass
15	CP_QAM256	1@36	17.46	17.40	17.80	1.40	18.86	18.80	19.20		Pass

NR Band n77(3700-3980) SCS 30KHz											
BW (MHz)	Modulation	RB Allocation	Conducted Power(dBm)			Ant gain (dBi)	EIRP(dBm)			Limit (dBm)	Verdict
			Channel/Frequency(MHz)				Channel/Frequency(MHz)				
			647000	656000	665000		647000	656000	665000		
			3705.0 00	3840.0 00	3975.0 00		3705.0 00	3840.0 00	3975.0 00		
10	DFT_BPSK	12@6	23.42	23.11	23.85	1.40	24.82	24.51	25.25	30.00	Pass
10	DFT_BPSK	1@1	23.21	23.69	23.91	1.40	24.61	25.09	25.31		Pass
10	DFT_BPSK	1@22	23.00	23.46	23.88	1.40	24.40	24.86	25.28		Pass
10	DFT_QPSK	12@6	23.07	23.43	23.50	1.40	24.47	24.83	24.90		Pass
10	DFT_QPSK	1@1	23.46	23.43	23.12	1.40	24.86	24.83	24.52		Pass
10	DFT_QPSK	1@22	23.53	23.04	23.15	1.40	24.93	24.44	24.55		Pass
10	DFT_QAM16	12@6	22.47	22.56	22.64	1.40	23.87	23.96	24.04		Pass
10	DFT_QAM16	1@1	22.89	22.52	22.33	1.40	24.29	23.92	23.73		Pass
10	DFT_QAM16	1@22	22.16	22.77	22.91	1.40	23.56	24.17	24.31		Pass
10	DFT_QAM64	12@6	21.06	21.56	21.32	1.40	22.46	22.96	22.72		Pass
10	DFT_QAM64	1@1	21.27	21.41	21.37	1.40	22.67	22.81	22.77		Pass
10	DFT_QAM64	1@22	21.77	21.28	21.60	1.40	23.17	22.68	23.00		Pass
10	DFT_QAM256	12@6	19.87	19.61	19.92	1.40	21.27	21.01	21.32		Pass
10	DFT_QAM256	1@1	19.63	19.37	19.45	1.40	21.03	20.77	20.85		Pass
10	DFT_QAM256	1@22	19.72	19.31	19.15	1.40	21.12	20.71	20.55		Pass
10	CP_QPSK	12@6	21.12	21.77	21.66	1.40	22.52	23.17	23.06		Pass
10	CP_QPSK	1@1	21.03	21.66	21.25	1.40	22.43	23.06	22.65		Pass
10	CP_QPSK	1@22	21.71	21.12	21.27	1.40	23.11	22.52	22.67		Pass
10	CP_QAM16	12@6	20.95	20.93	20.56	1.40	22.35	22.33	21.96		Pass
10	CP_QAM16	1@1	20.50	20.14	20.92	1.40	21.90	21.54	22.32		Pass
10	CP_QAM16	1@22	20.71	20.63	20.28	1.40	22.11	22.03	21.68		Pass
10	CP_QAM64	12@6	19.41	19.56	19.03	1.40	20.81	20.96	20.43		Pass
10	CP_QAM64	1@1	19.40	19.49	19.69	1.40	20.80	20.89	21.09		Pass
10	CP_QAM64	1@22	19.17	19.24	19.45	1.40	20.57	20.64	20.85		Pass
10	CP_QAM256	12@6	17.52	17.87	17.09	1.40	18.92	19.27	18.49		Pass
10	CP_QAM256	1@1	17.57	17.64	17.66	1.40	18.97	19.04	19.06		Pass
10	CP_QAM256	1@22	17.76	17.11	17.39	1.40	19.16	18.51	18.79		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
n77(3700-3980)	15	50	656000	135@67	DFT_BPSK	3.85	8.26	0.002	Within authorized band for 5G NR n77	PASS
n77(3700-3980)	15	50	656000	135@67	DFT_BPSK	3.27	-1.97	-0.001		PASS
n77(3700-3980)	15	50	656000	135@67	DFT_BPSK	4.43	9.66	0.003		PASS
n77(3700-3980)	15	50	656000	135@67	DFT_QPSK	3.85	0.12	0.000		PASS
n77(3700-3980)	15	50	656000	135@67	DFT_QPSK	3.27	-2.80	-0.001		PASS
n77(3700-3980)	15	50	656000	135@67	DFT_QPSK	4.43	-9.81	-0.003		PASS

Note: Only the worst case shown in the report.

NV:

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Temperature (°C)	Result(Hz)	Result (ppm)	Limit (ppm)	Verdict
n77(3700-3980)	15	50	656000	135@67	DFT_BPSK	-30	0.79	0.000	Within authorized band for 5G NR n77	PASS
n77(3700-3980)	15	50	656000	135@67	DFT_BPSK	-20	8.84	0.002		PASS
n77(3700-3980)	15	50	656000	135@67	DFT_BPSK	-10	8.02	0.002		PASS
n77(3700-3980)	15	50	656000	135@67	DFT_BPSK	0	-7.61	-0.002		PASS
n77(3700-3980)	15	50	656000	135@67	DFT_BPSK	10	-8.18	-0.002		PASS
n77(3700-3980)	15	50	656000	135@67	DFT_BPSK	20	-1.20	0.000		PASS
n77(3700-3980)	15	50	656000	135@67	DFT_BPSK	30	0.71	0.000		PASS
n77(3700-3980)	15	50	656000	135@67	DFT_BPSK	40	-6.06	-0.002		PASS
n77(3700-3980)	15	50	656000	135@67	DFT_BPSK	50	5.34	0.001		PASS
n77(3700-3980)	15	50	656000	135@67	DFT_QPSK	-30	-7.60	-0.002		PASS
n77(3700-3980)	15	50	656000	135@67	DFT_QPSK	-20	-5.58	-0.001		PASS
n77(3700-3980)	15	50	656000	135@67	DFT_QPSK	-10	-9.74	-0.003		PASS
n77(3700-3980)	15	50	656000	135@67	DFT_QPSK	0	0.92	0.000		PASS
n77(3700-3980)	15	50	656000	135@67	DFT_QPSK	10	-1.42	0.000		PASS
n77(3700-3980)	15	50	656000	135@67	DFT_QPSK	20	-6.33	-0.002		PASS
n77(3700-3980)	15	50	656000	135@67	DFT_QPSK	30	-7.98	-0.002		PASS
n77(3700-3980)	15	50	656000	135@67	DFT_QPSK	40	-5.26	-0.001		PASS
n77(3700-3980)	15	50	656000	135@67	DFT_QPSK	50	8.87	0.002		PASS

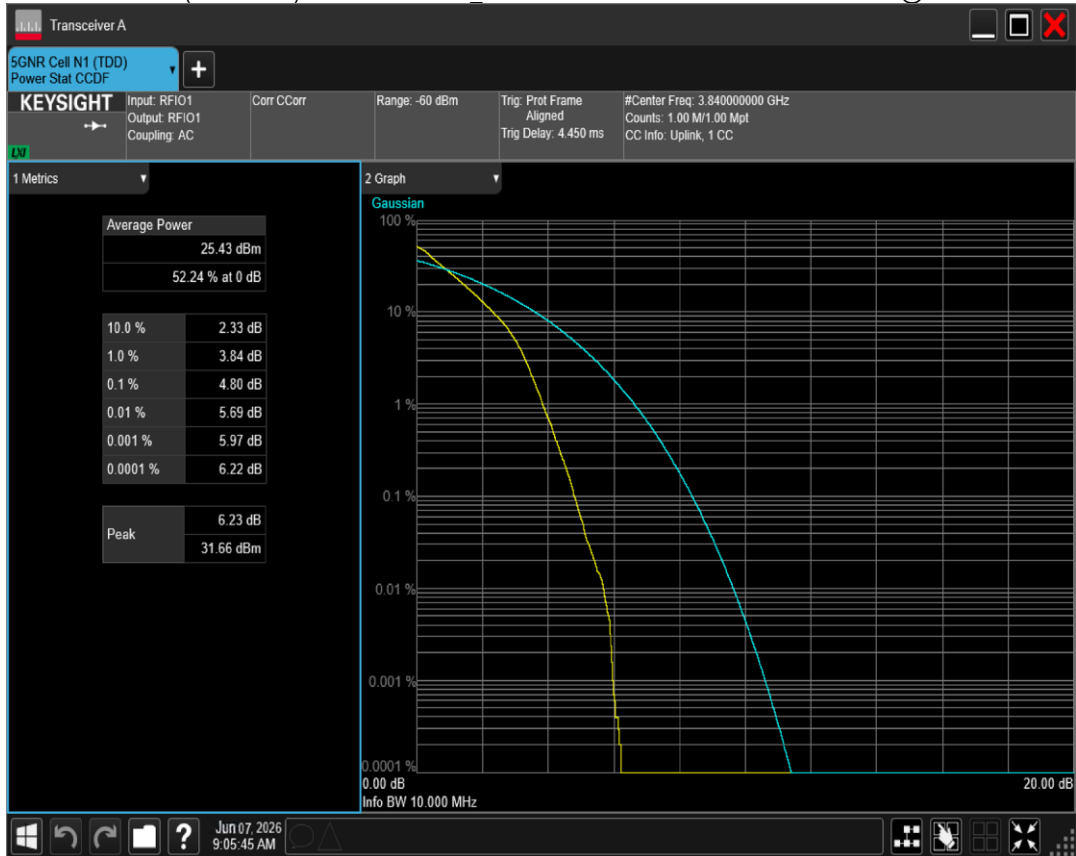
Note: Only the worst case shown in the report.

3 Peak-to-Average Ratio for NR FR1

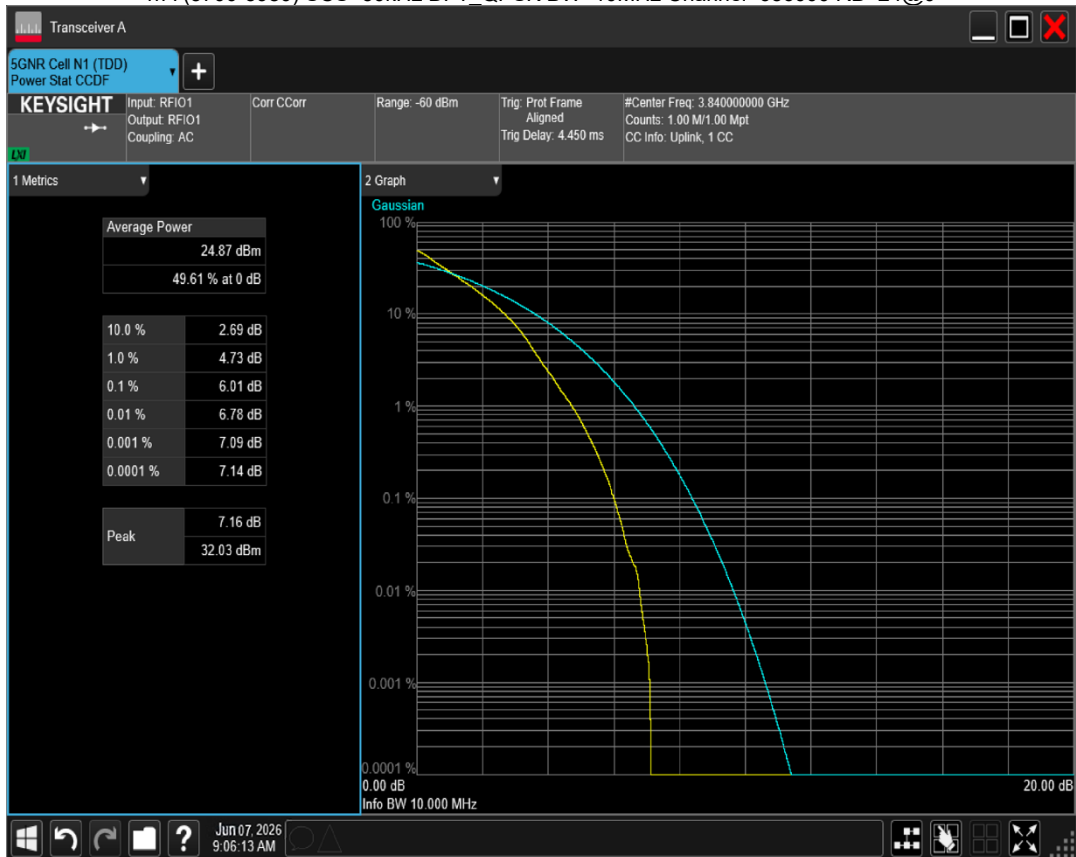
Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Result (dB)	high Limit (dB)	Verdict
n77(3700-3980)	30	10	656000	24@0	DFT_BPSK	4.80	13	PASS
n77(3700-3980)	30	10	656000	24@0	DFT_QPSK	6.01	13	PASS
n77(3700-3980)	30	10	656000	24@0	DFT_QAM16	6.81	13	PASS
n77(3700-3980)	30	10	656000	24@0	DFT_QAM64	7.02	13	PASS
n77(3700-3980)	30	10	656000	24@0	DFT_QAM256	7.32	13	PASS
n77(3700-3980)	30	15	656000	36@0	DFT_BPSK	4.80	13	PASS
n77(3700-3980)	30	15	656000	36@0	DFT_QPSK	6.16	13	PASS
n77(3700-3980)	30	15	656000	36@0	DFT_QAM16	6.89	13	PASS
n77(3700-3980)	30	15	656000	36@0	DFT_QAM64	7.08	13	PASS
n77(3700-3980)	30	15	656000	36@0	DFT_QAM256	7.31	13	PASS
n77(3700-3980)	30	20	656000	50@0	DFT_BPSK	4.79	13	PASS
n77(3700-3980)	30	20	656000	50@0	DFT_QPSK	6.07	13	PASS
n77(3700-3980)	30	20	656000	50@0	DFT_QAM16	6.91	13	PASS
n77(3700-3980)	30	20	656000	50@0	DFT_QAM64	6.89	13	PASS
n77(3700-3980)	30	20	656000	50@0	DFT_QAM256	6.87	13	PASS
n77(3700-3980)	30	30	656000	75@0	DFT_BPSK	4.86	13	PASS
n77(3700-3980)	30	30	656000	75@0	DFT_QPSK	6.12	13	PASS
n77(3700-3980)	30	30	656000	75@0	DFT_QAM16	6.85	13	PASS
n77(3700-3980)	30	30	656000	75@0	DFT_QAM64	7.07	13	PASS
n77(3700-3980)	30	30	656000	75@0	DFT_QAM256	7.05	13	PASS
n77(3700-3980)	30	40	656000	100@0	DFT_BPSK	4.81	13	PASS
n77(3700-3980)	30	40	656000	100@0	DFT_QPSK	6.13	13	PASS
n77(3700-3980)	30	40	656000	100@0	DFT_QAM16	6.81	13	PASS
n77(3700-3980)	30	40	656000	100@0	DFT_QAM64	6.95	13	PASS
n77(3700-3980)	30	40	656000	100@0	DFT_QAM256	6.97	13	PASS
n77(3700-3980)	30	50	656000	128@0	DFT_BPSK	5.18	13	PASS
n77(3700-3980)	30	50	656000	128@0	DFT_QPSK	6.10	13	PASS
n77(3700-3980)	30	50	656000	128@0	DFT_QAM16	6.70	13	PASS
n77(3700-3980)	30	50	656000	128@0	DFT_QAM64	6.84	13	PASS
n77(3700-3980)	30	50	656000	128@0	DFT_QAM256	7.08	13	PASS
n77(3700-3980)	30	60	656000	162@0	DFT_BPSK	4.80	13	PASS
n77(3700-3980)	30	60	656000	162@0	DFT_QPSK	6.08	13	PASS
n77(3700-3980)	30	60	656000	162@0	DFT_QAM16	6.87	13	PASS
n77(3700-3980)	30	60	656000	162@0	DFT_QAM64	6.97	13	PASS
n77(3700-3980)	30	60	656000	162@0	DFT_QAM256	7.00	13	PASS
n77(3700-3980)	30	80	656000	216@0	DFT_BPSK	5.48	13	PASS
n77(3700-3980)	30	80	656000	216@0	DFT_QPSK	6.07	13	PASS
n77(3700-3980)	30	80	656000	216@0	DFT_QAM16	6.77	13	PASS
n77(3700-3980)	30	80	656000	216@0	DFT_QAM64	7.02	13	PASS

n77(3700-3980)	30	80	656000	216@0	DFT_QAM256	7.03	13	PASS
n77(3700-3980)	30	90	656000	240@0	DFT_BPSK	5.14	13	PASS
n77(3700-3980)	30	90	656000	240@0	DFT_QPSK	6.07	13	PASS
n77(3700-3980)	30	90	656000	240@0	DFT_QAM16	6.75	13	PASS
n77(3700-3980)	30	90	656000	240@0	DFT_QAM64	7.00	13	PASS
n77(3700-3980)	30	90	656000	240@0	DFT_QAM256	7.04	13	PASS
n77(3700-3980)	30	100	656000	270@0	DFT_BPSK	5.51	13	PASS
n77(3700-3980)	30	100	656000	270@0	DFT_QPSK	6.06	13	PASS
n77(3700-3980)	30	100	656000	270@0	DFT_QAM16	6.73	13	PASS
n77(3700-3980)	30	100	656000	270@0	DFT_QAM64	6.96	13	PASS
n77(3700-3980)	30	100	656000	270@0	DFT_QAM256	6.98	13	PASS

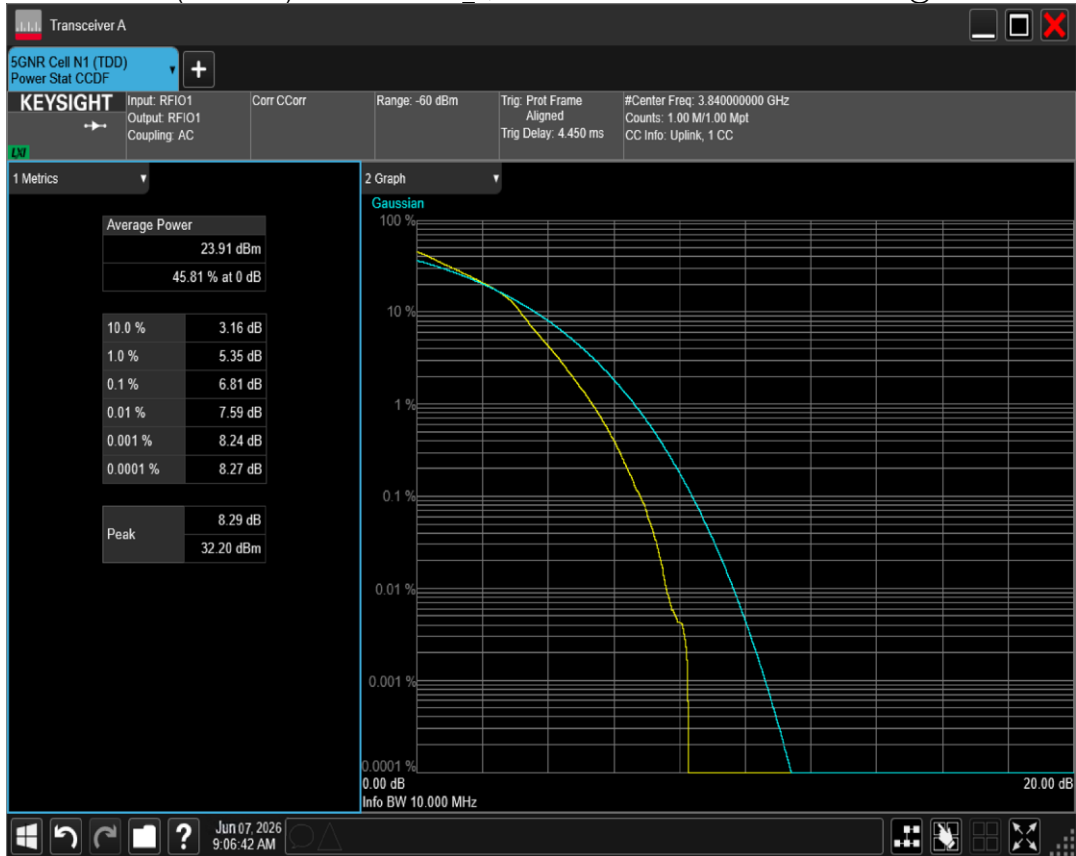
n77(3700-3980) SCS=30kHz DFT_BPSK BW=10MHz Channel=656000 RB=24@0



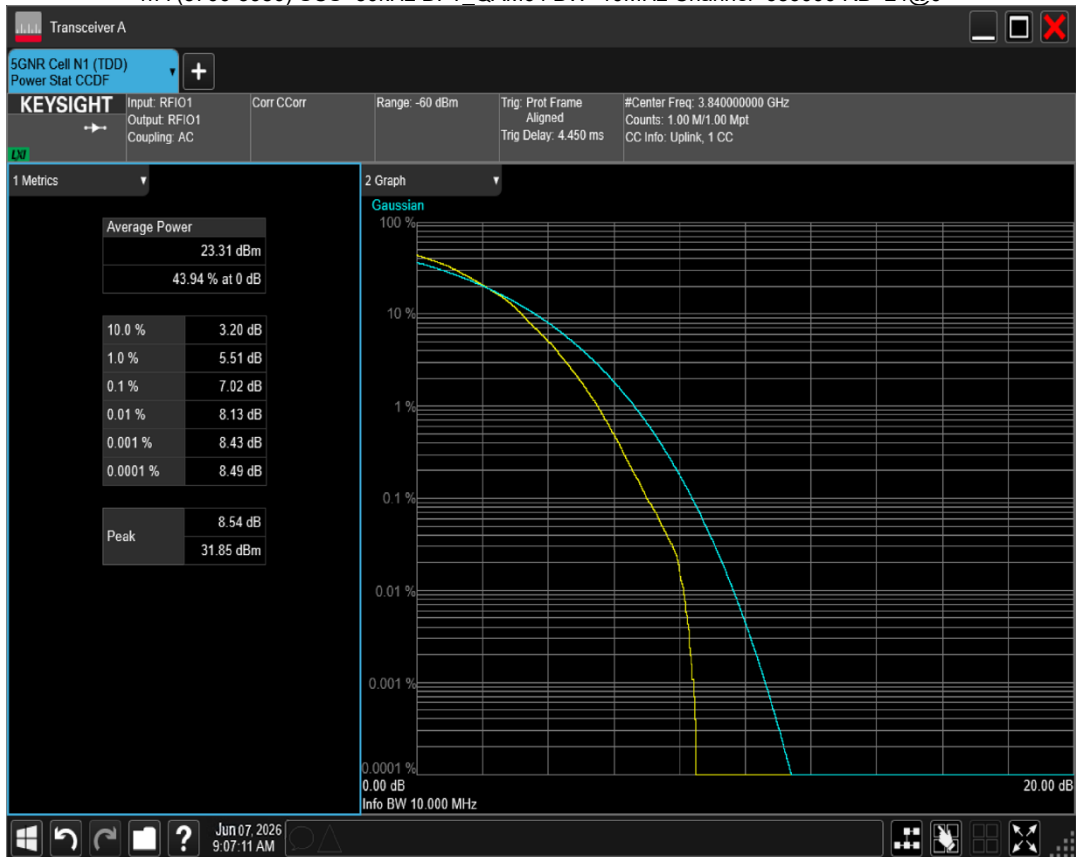
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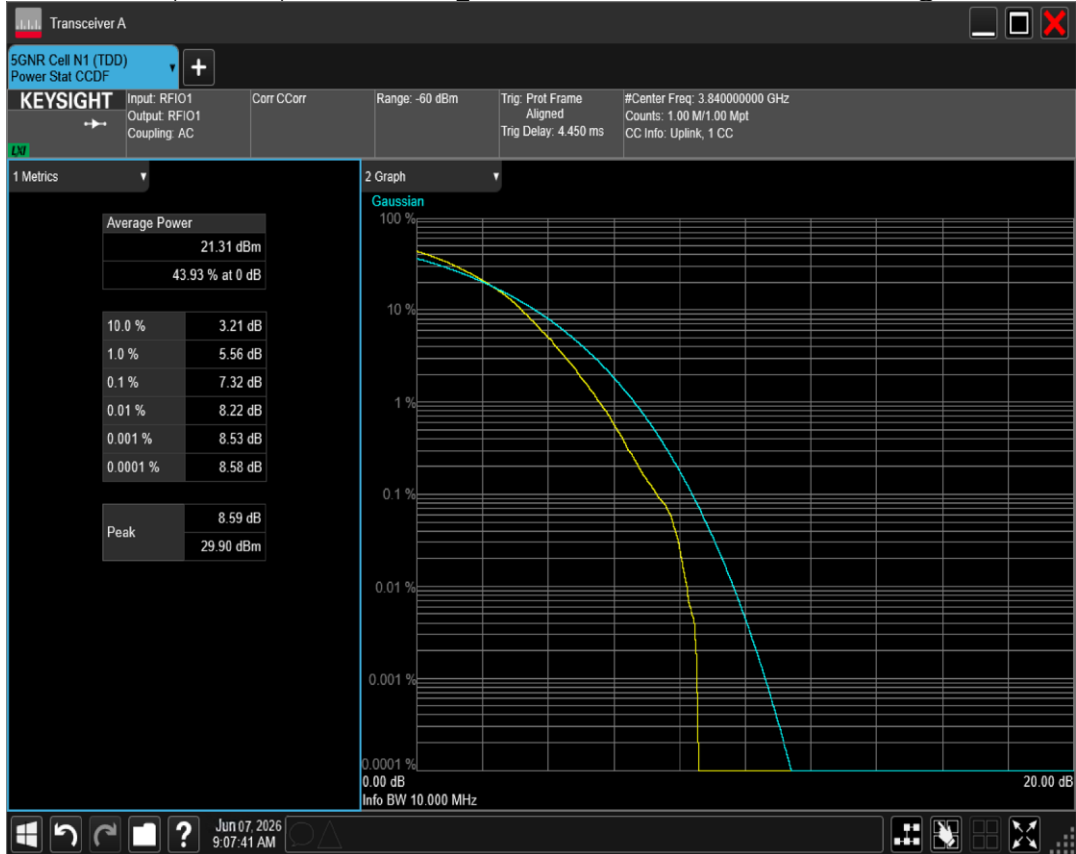
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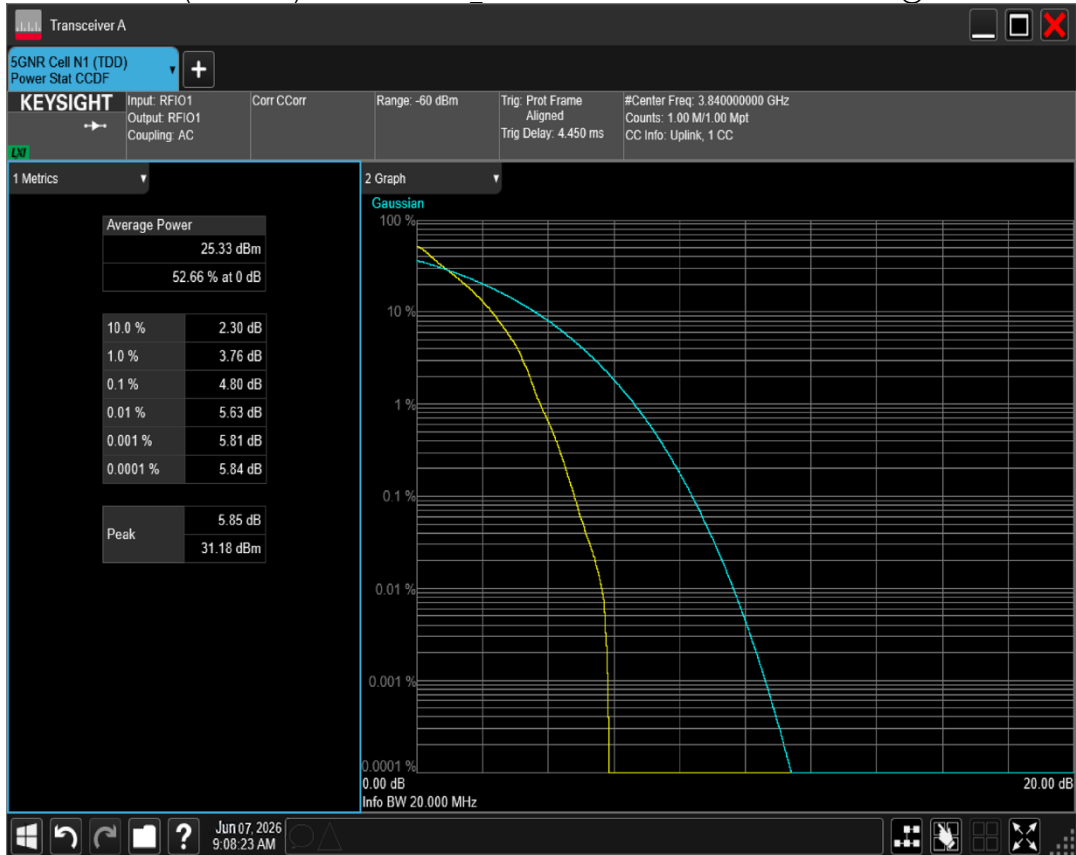
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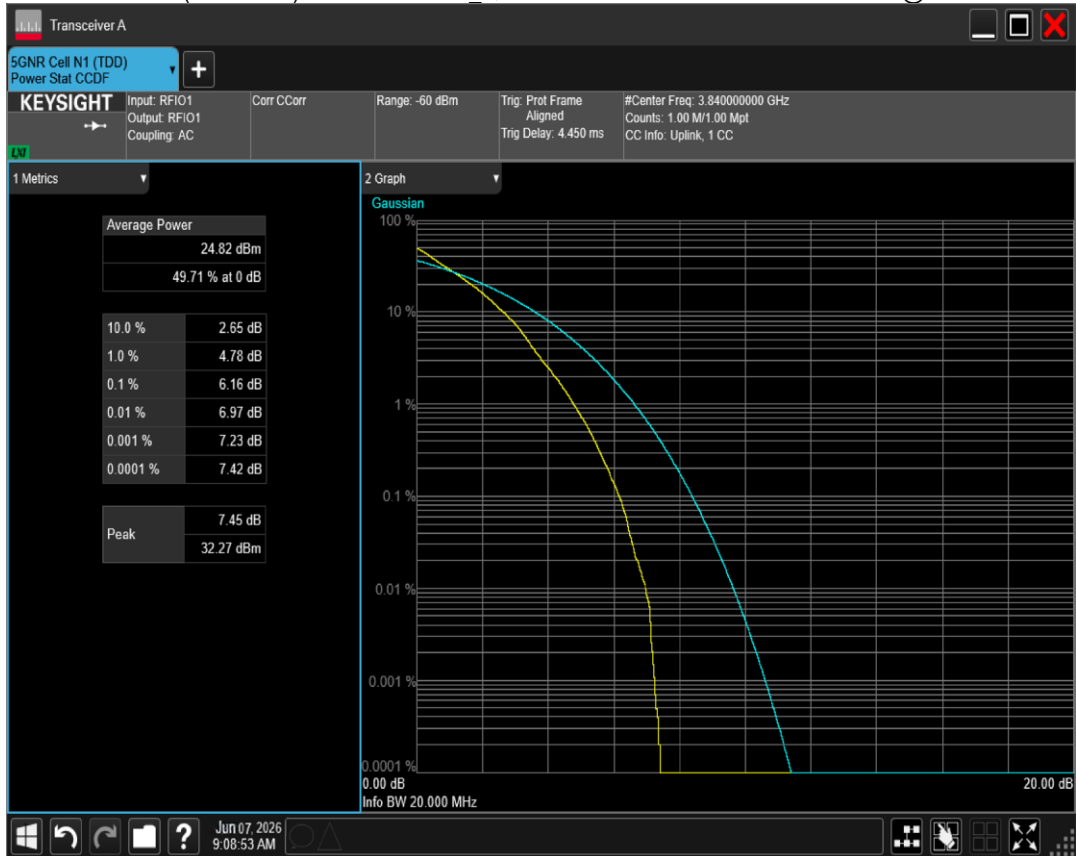
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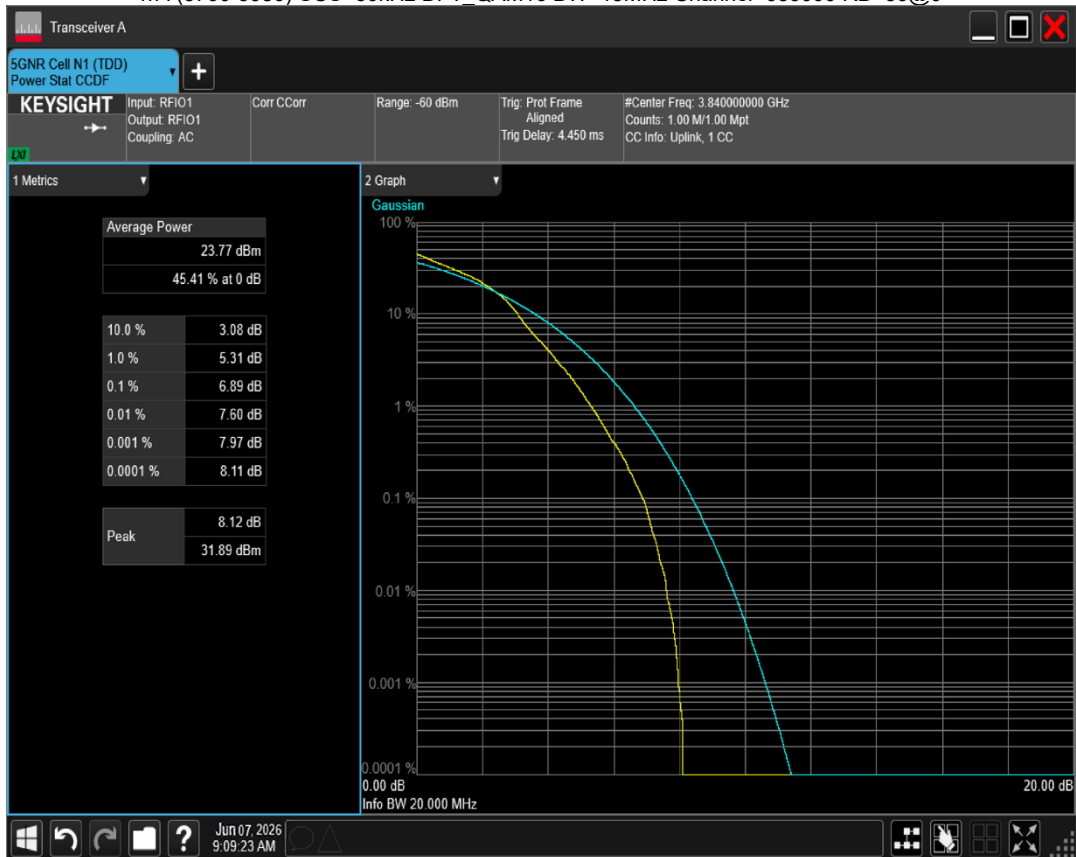
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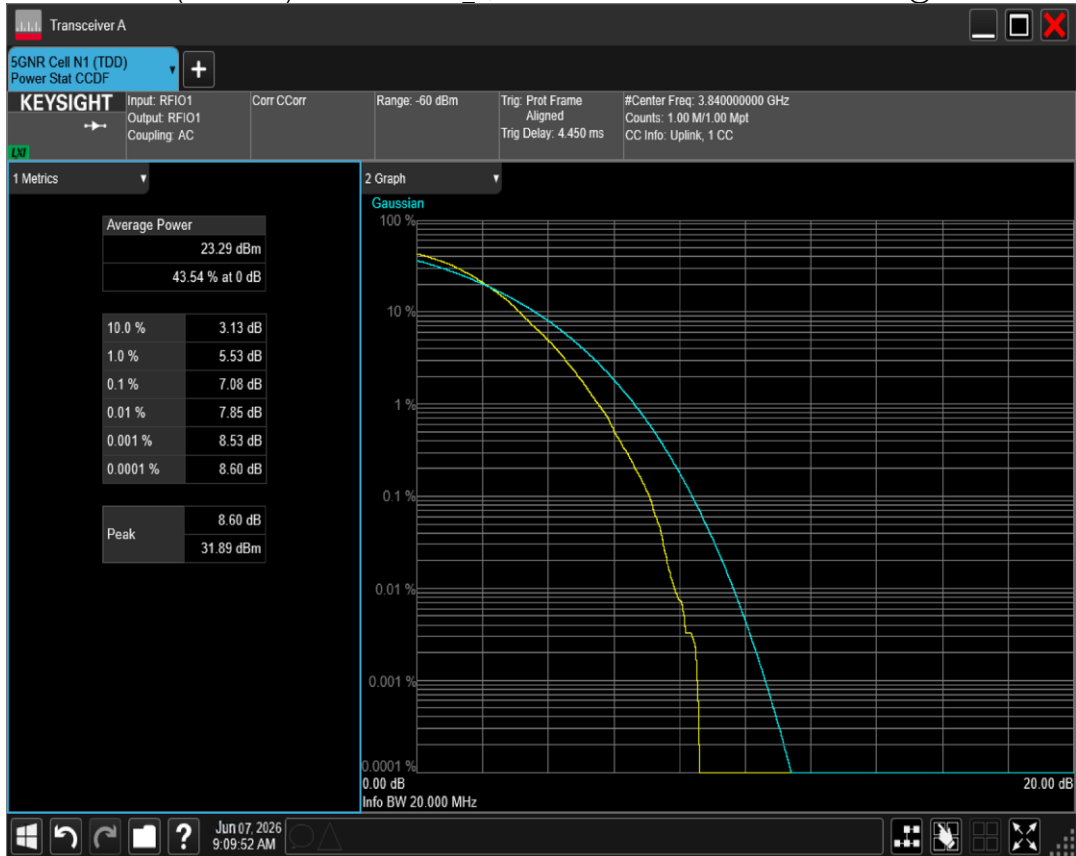
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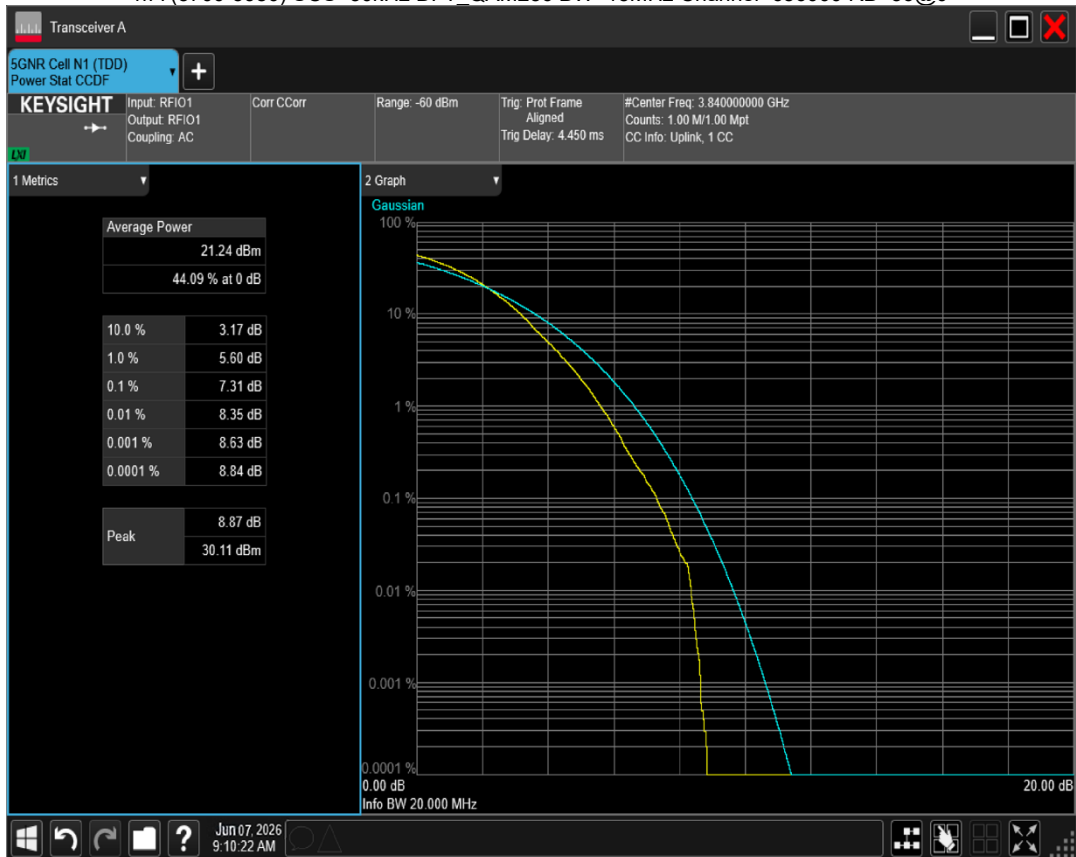
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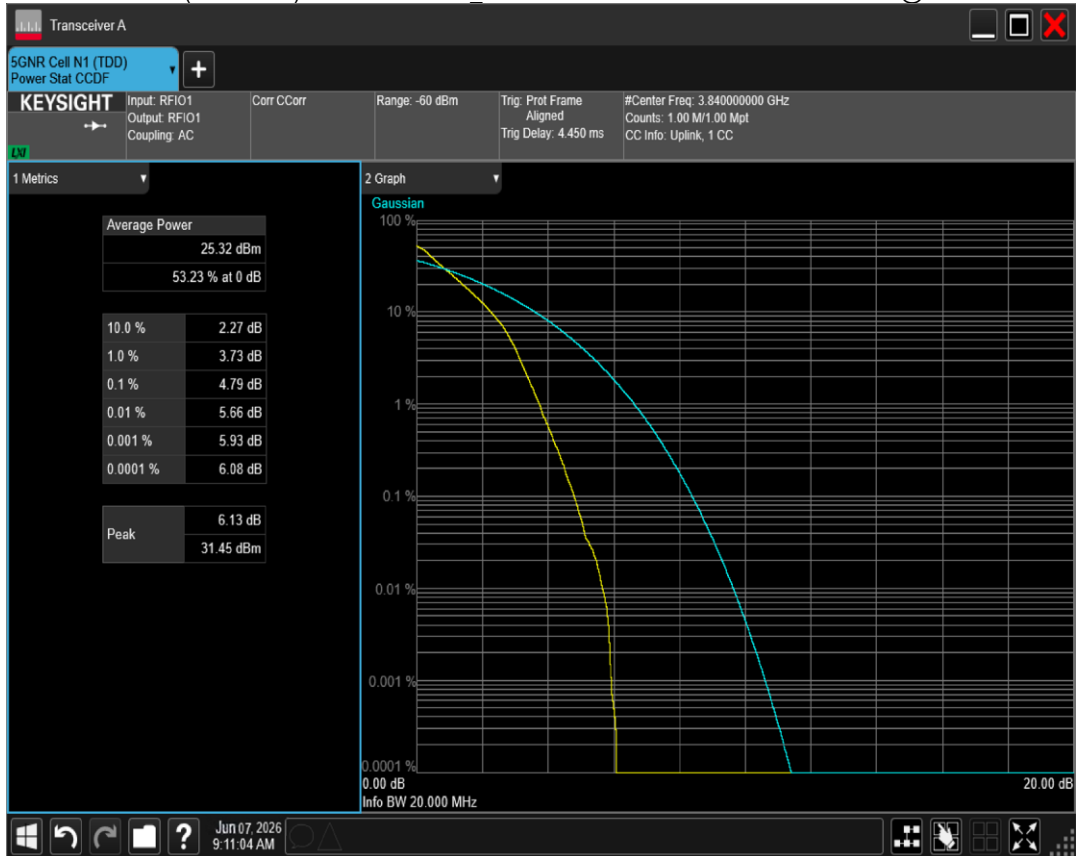
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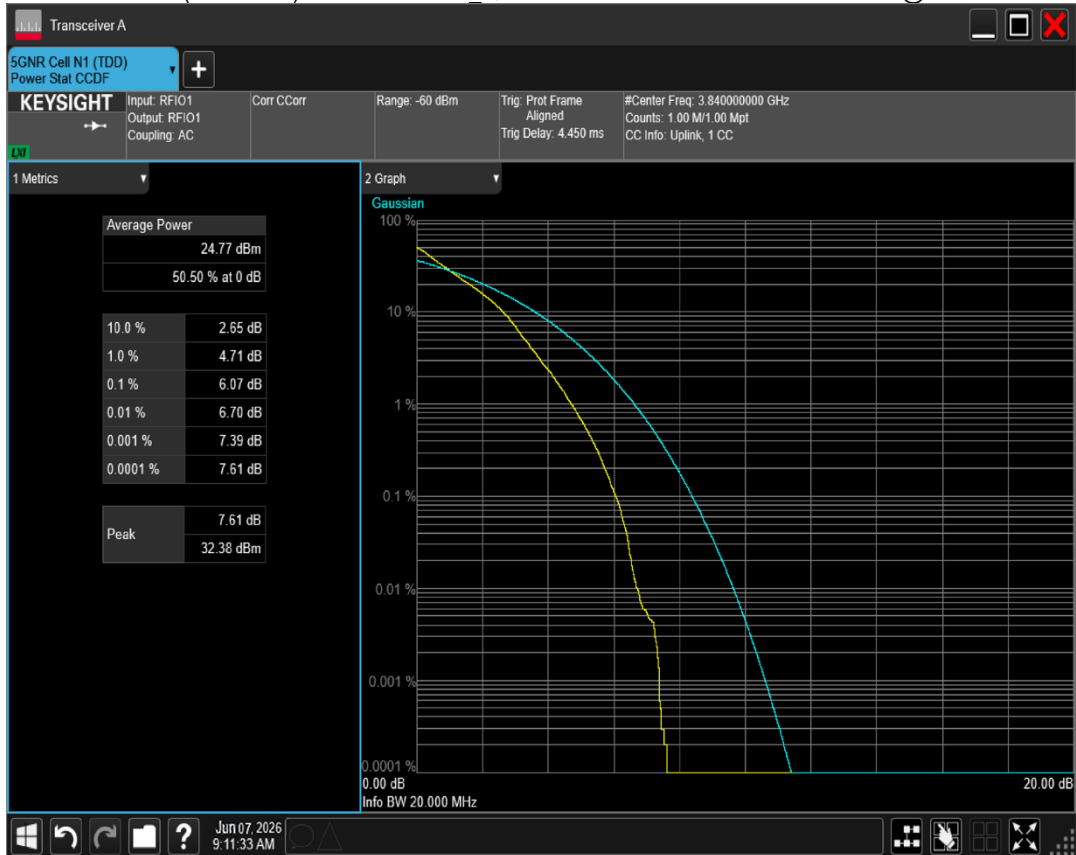
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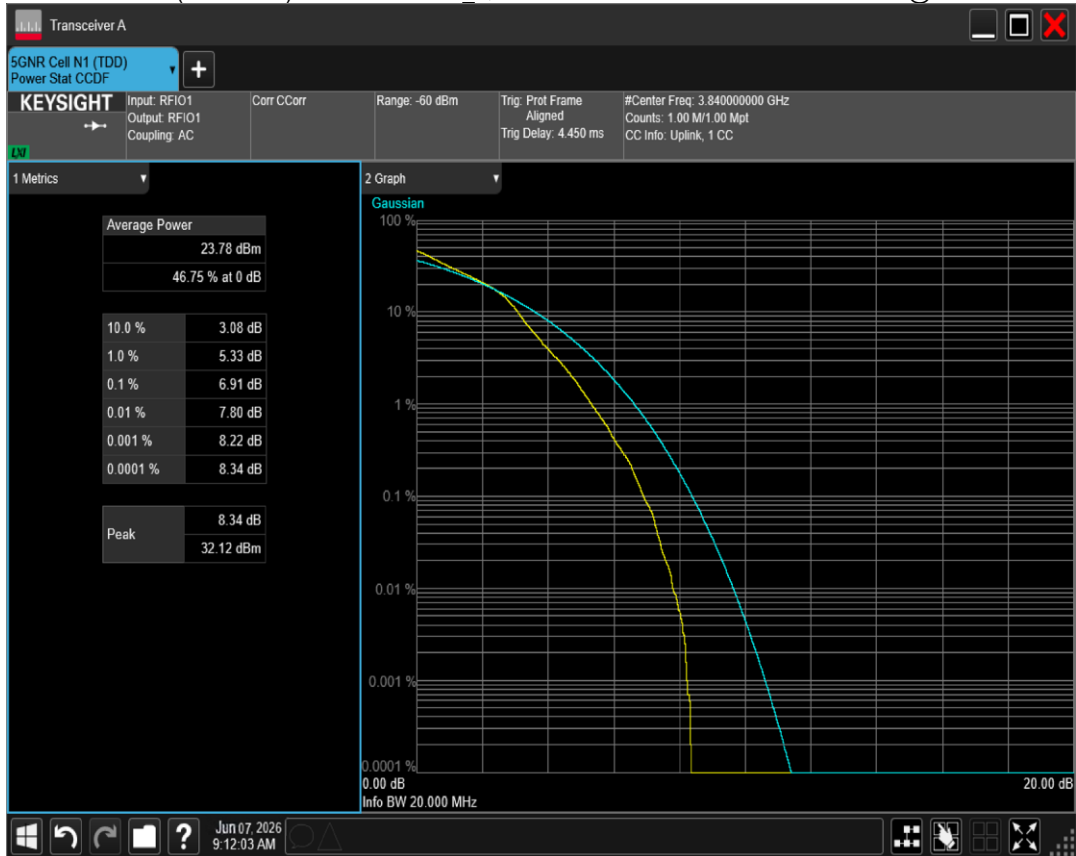
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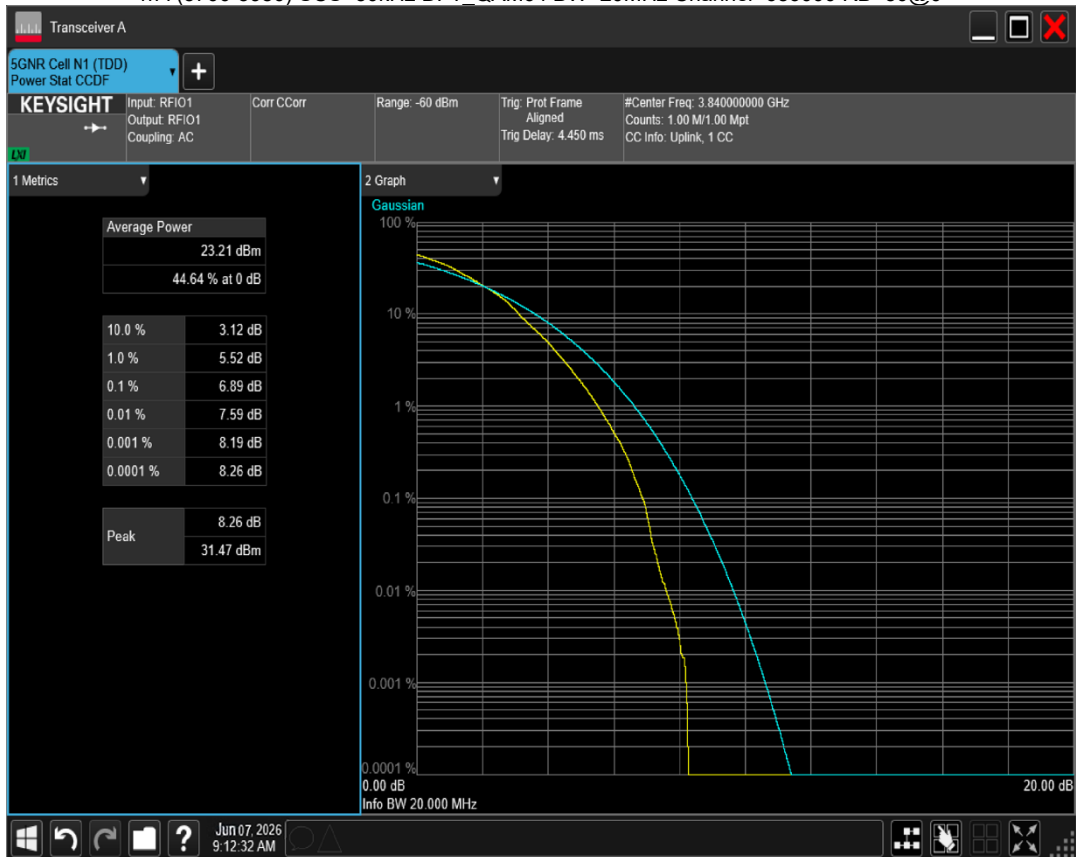
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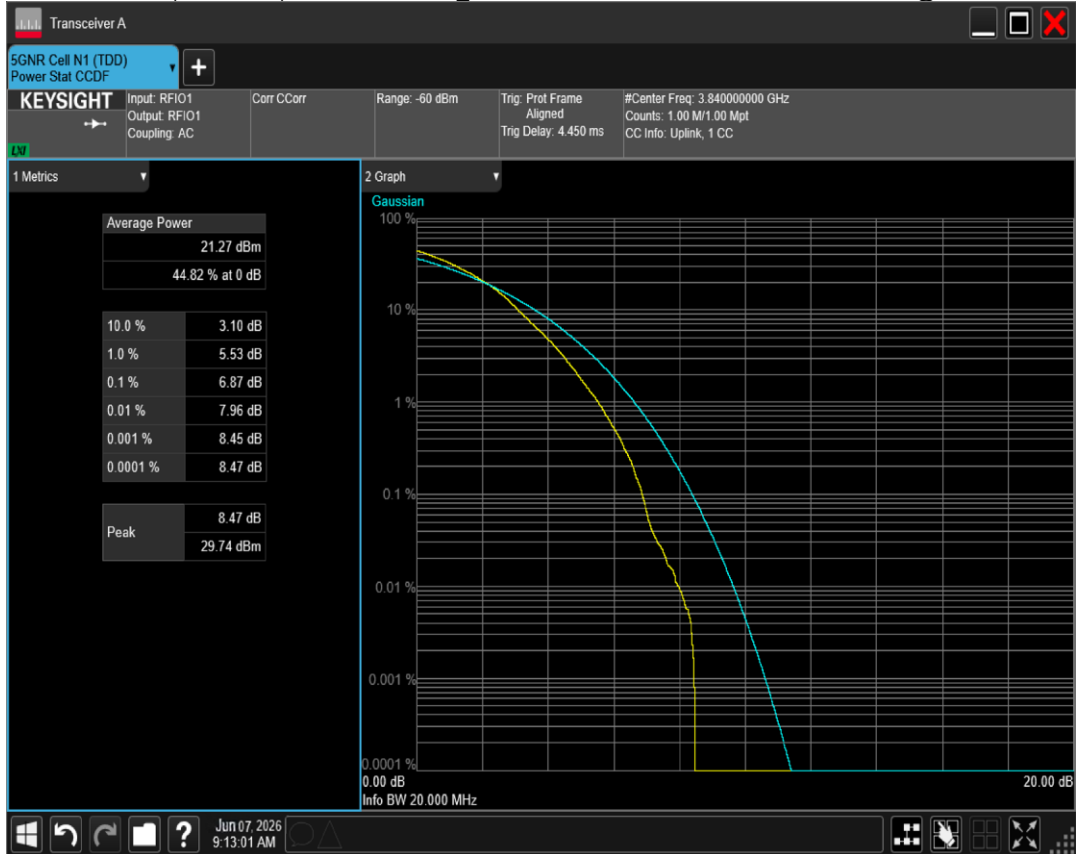
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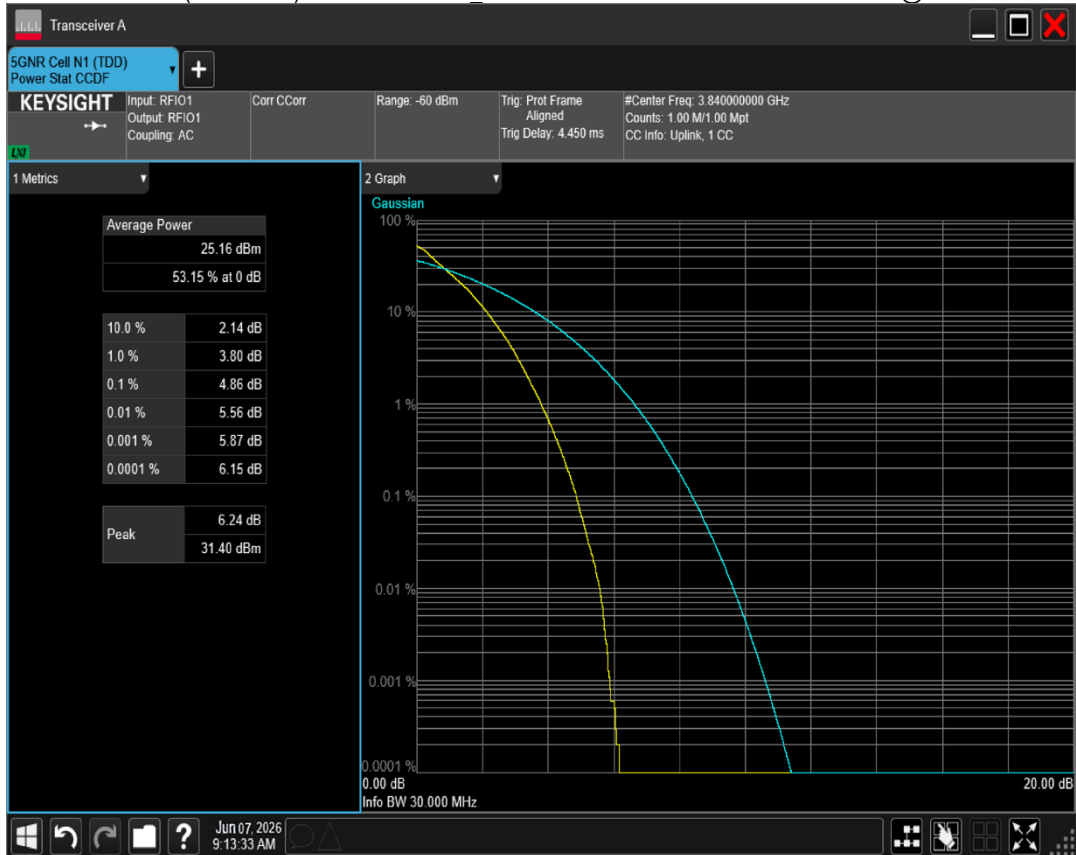
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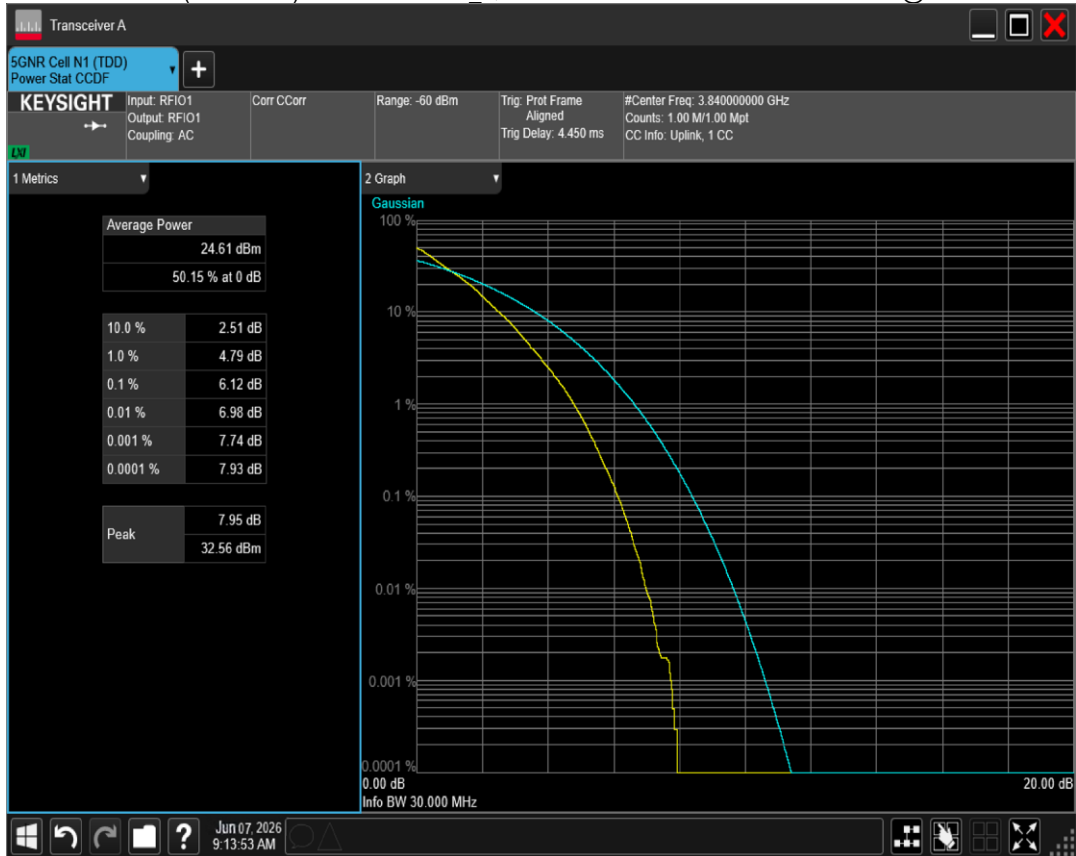
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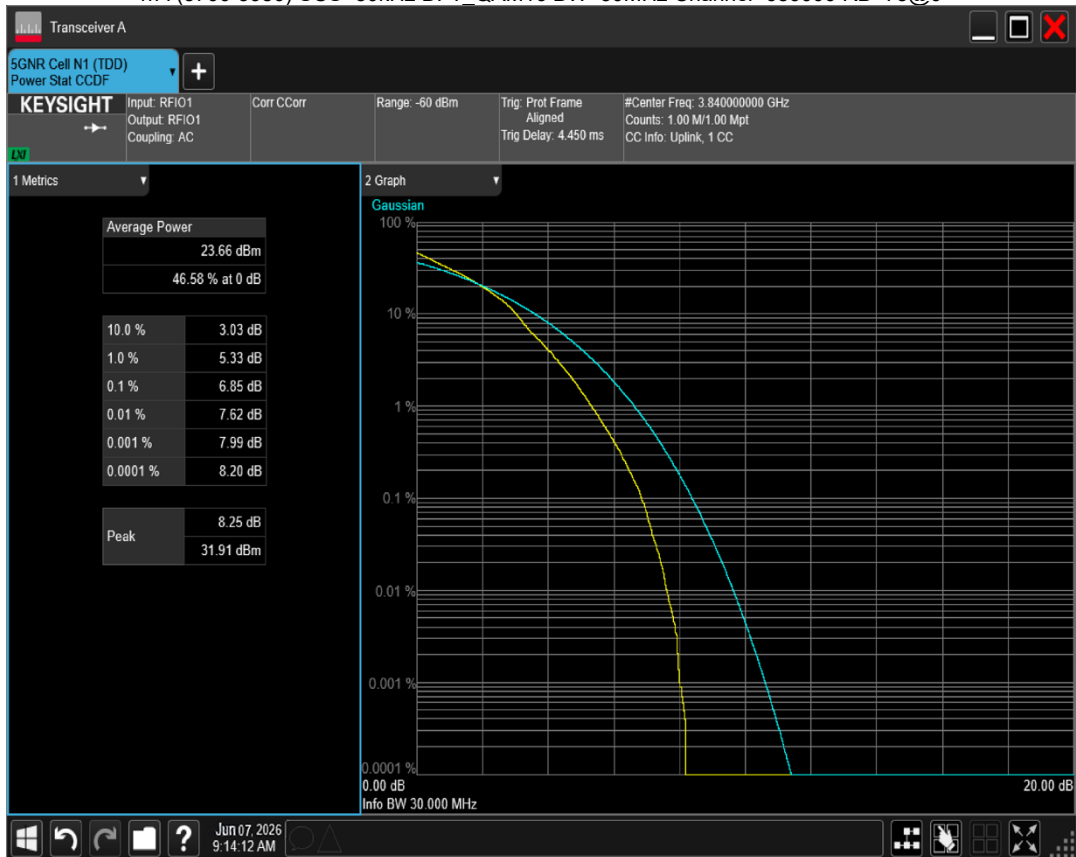
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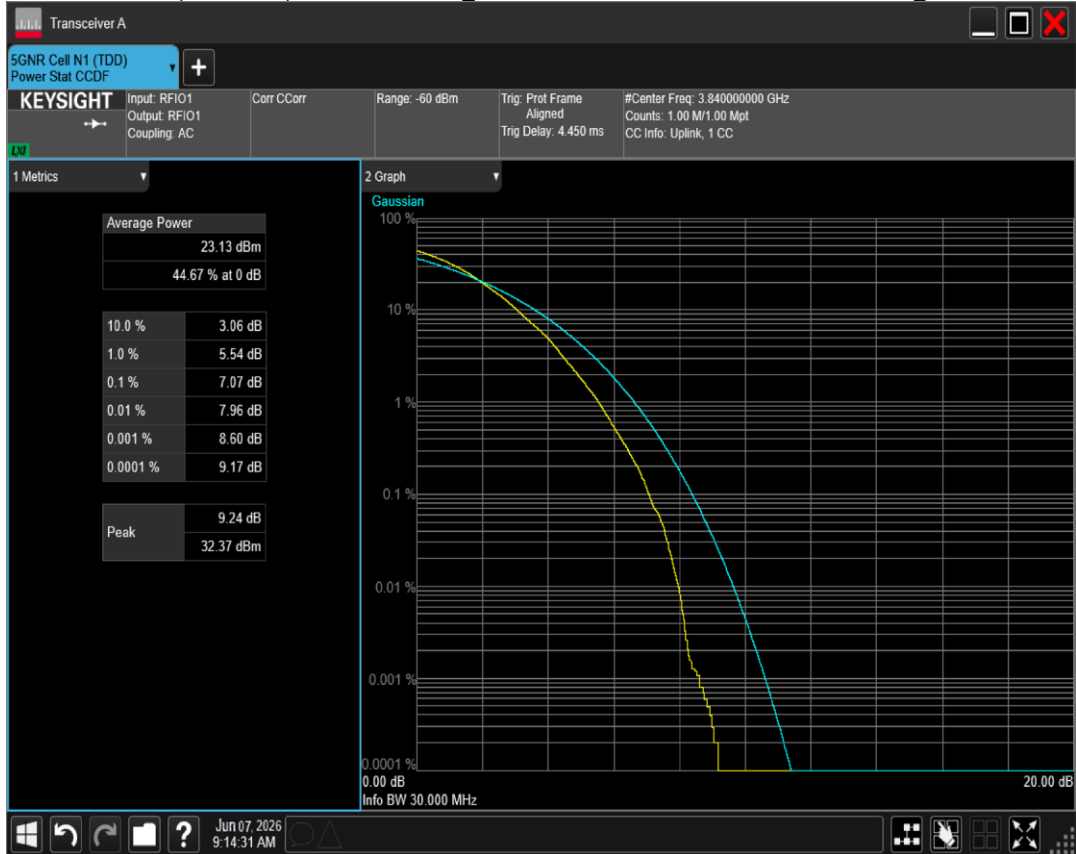
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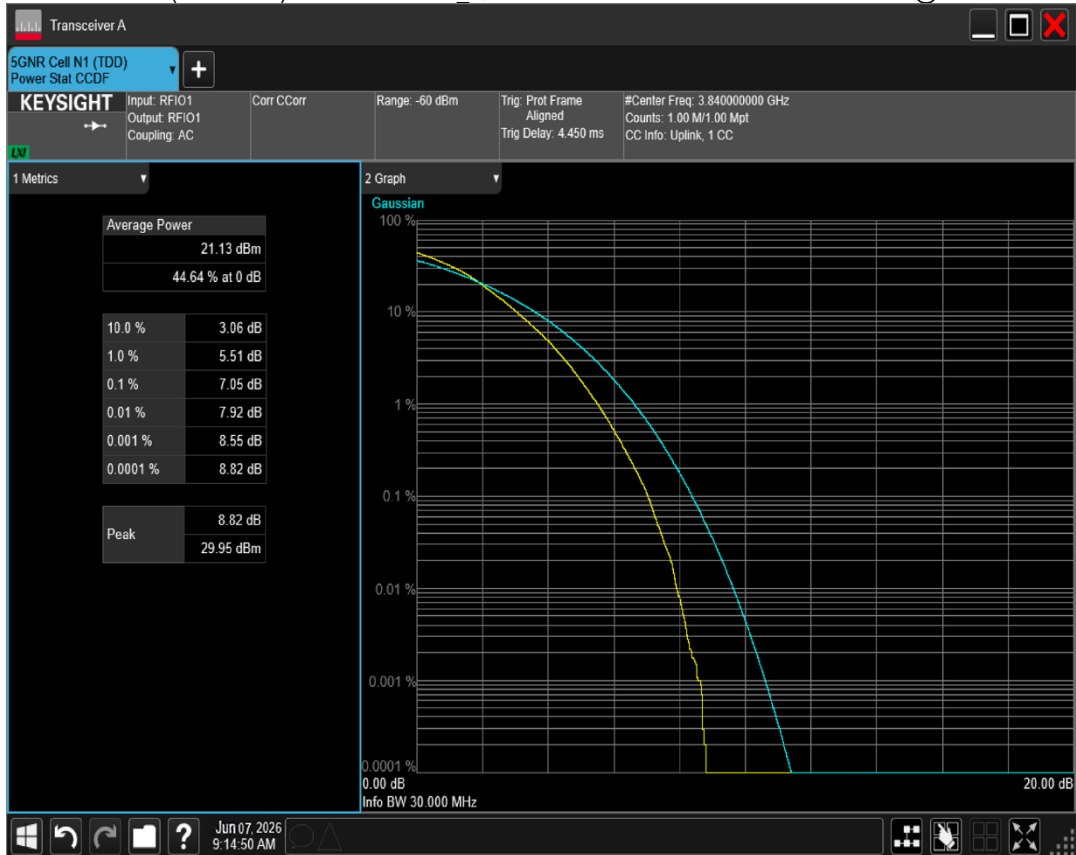
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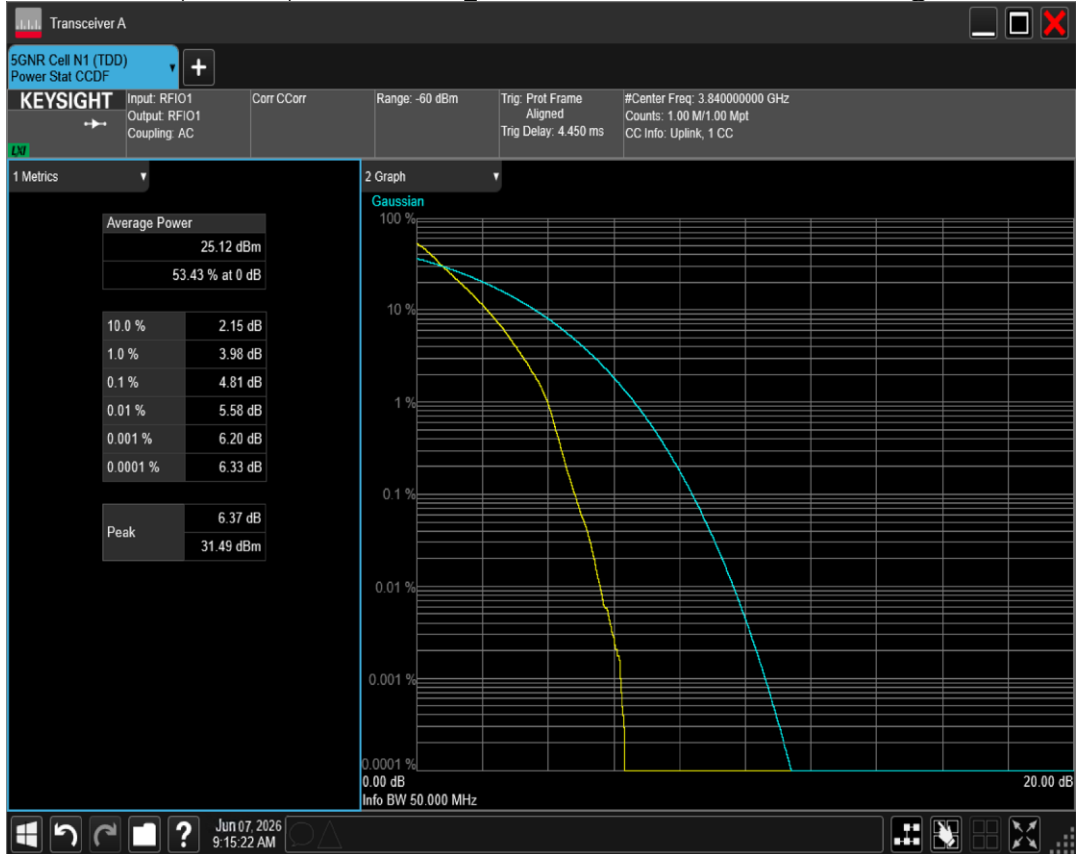
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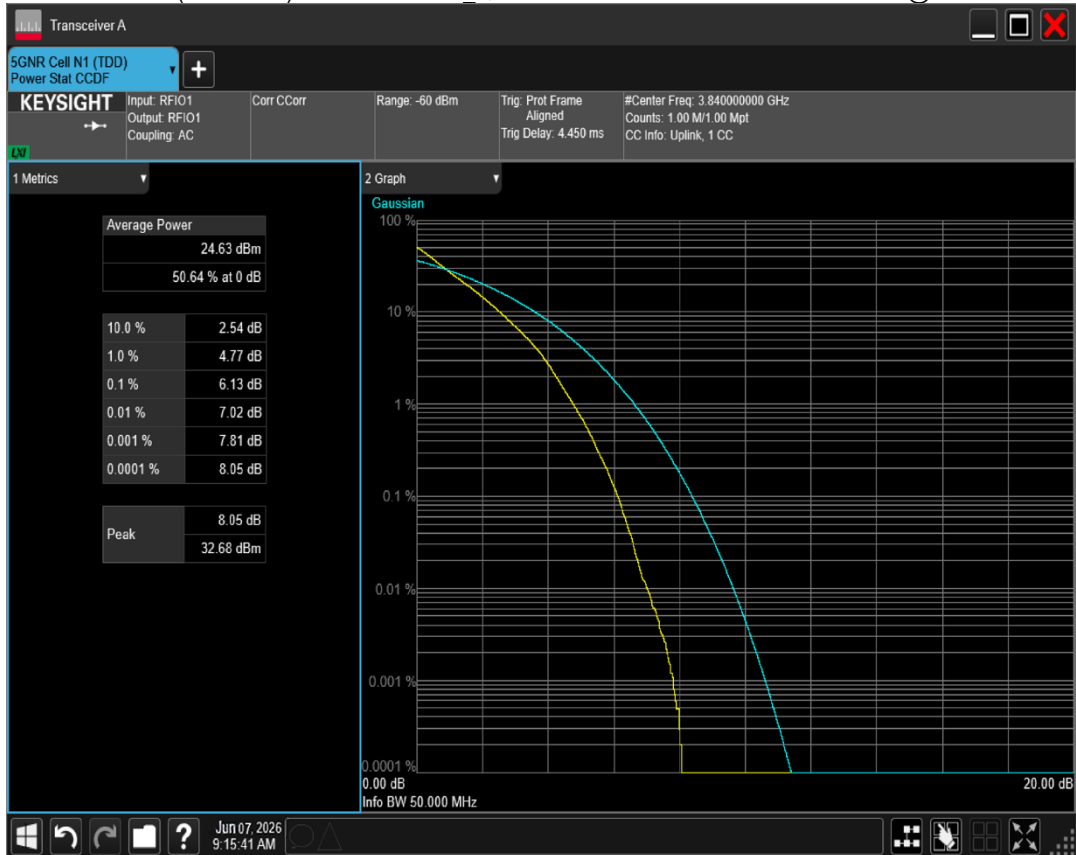
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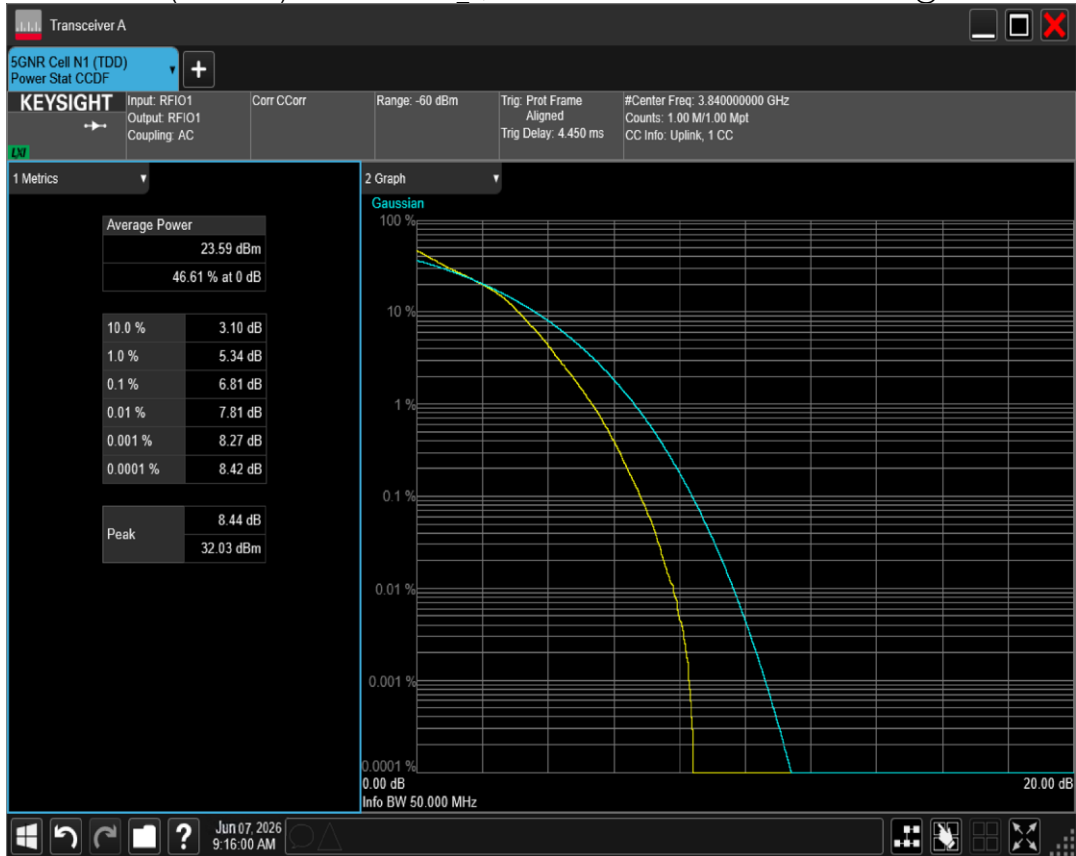
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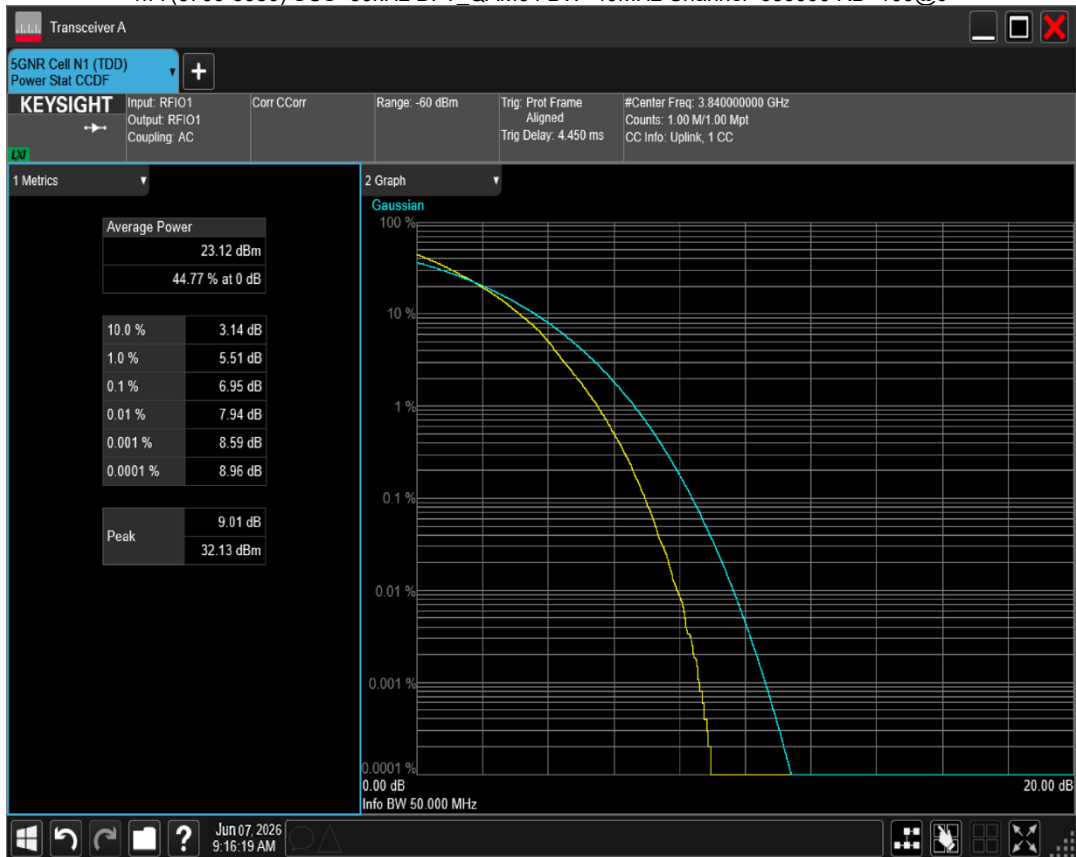
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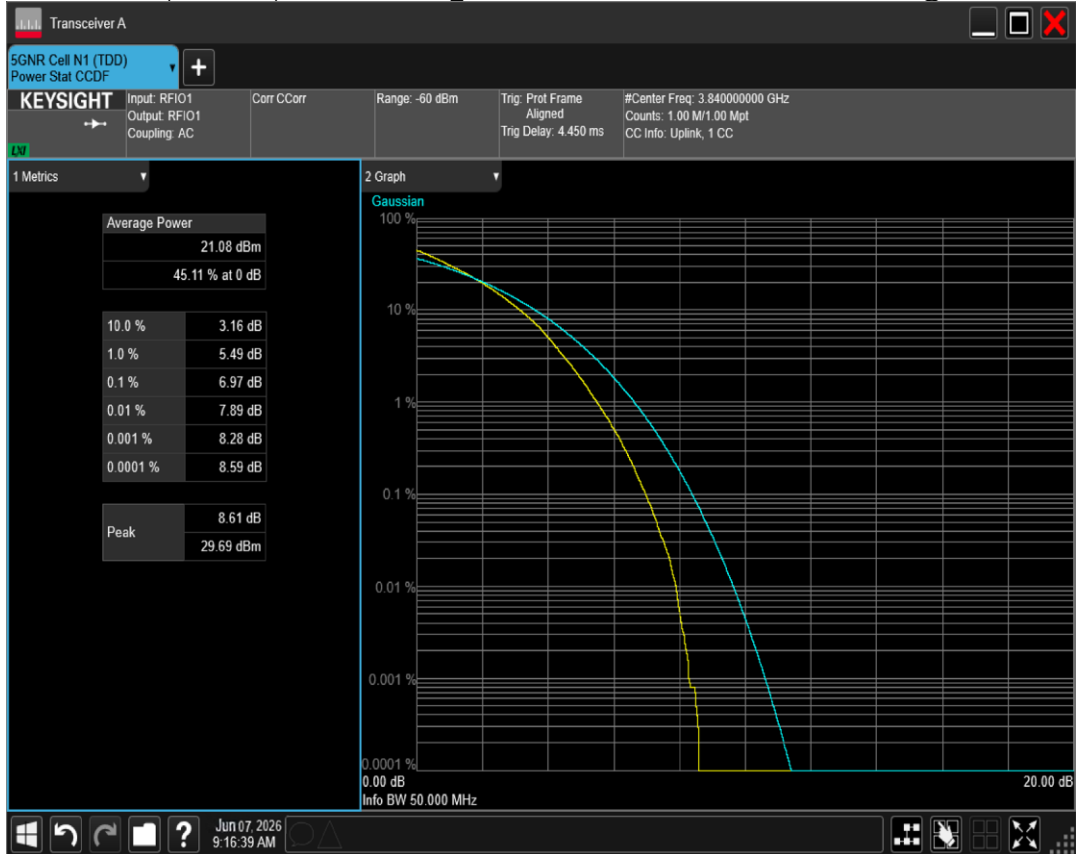
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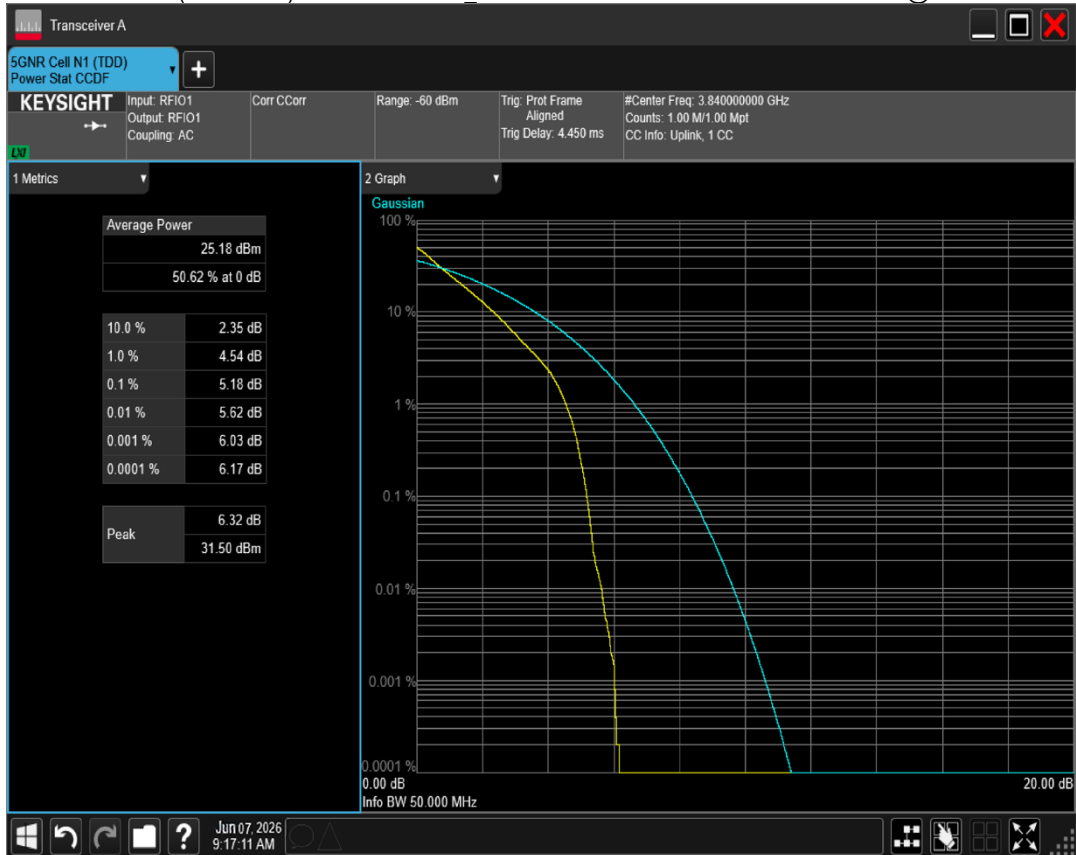
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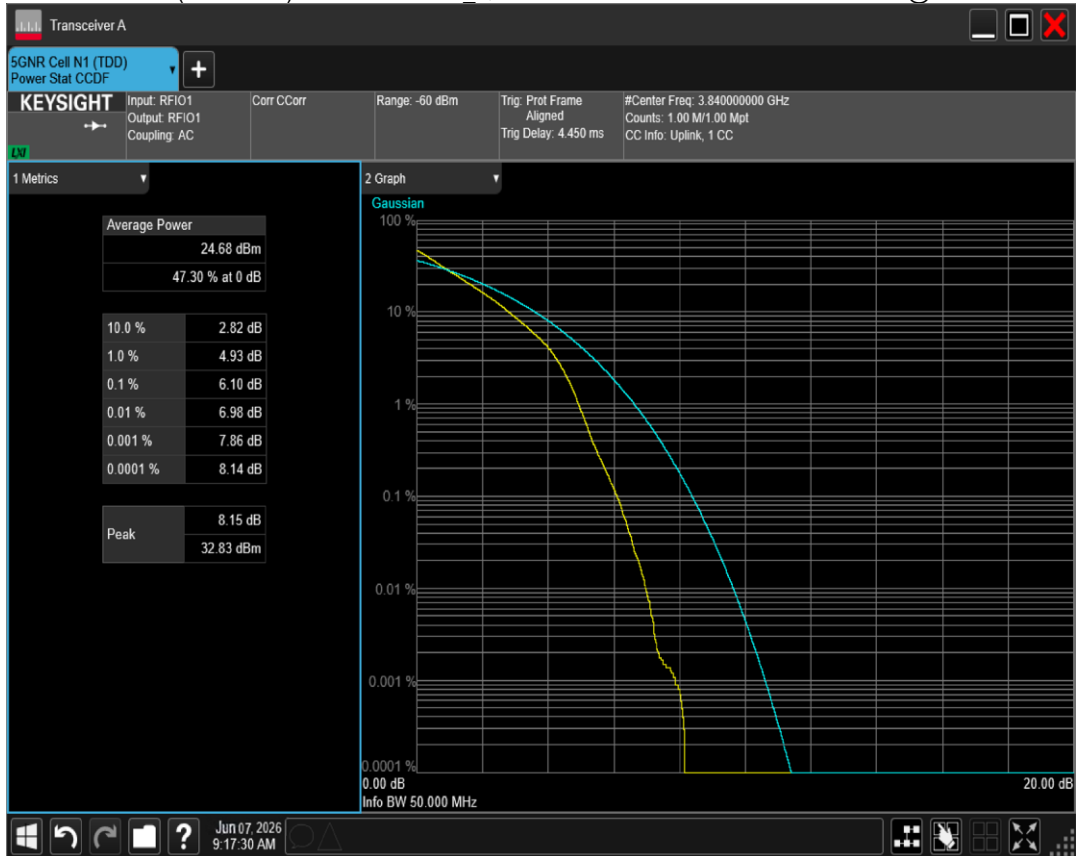
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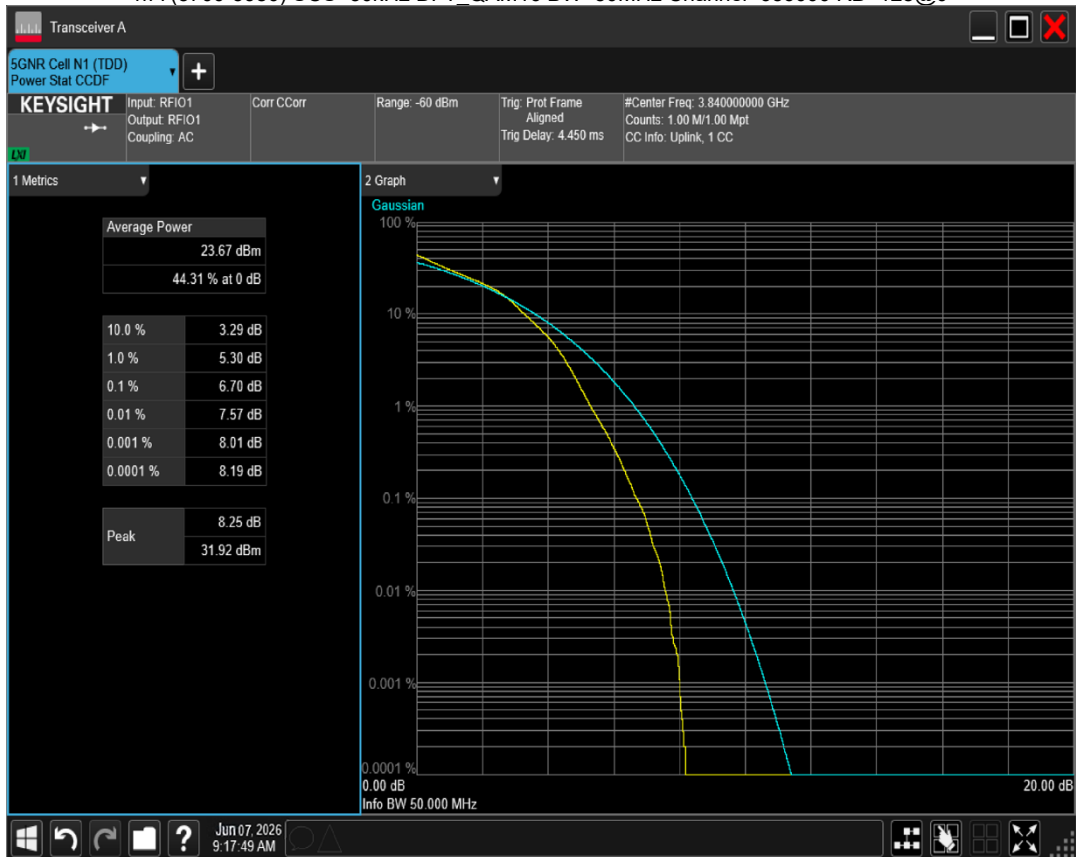
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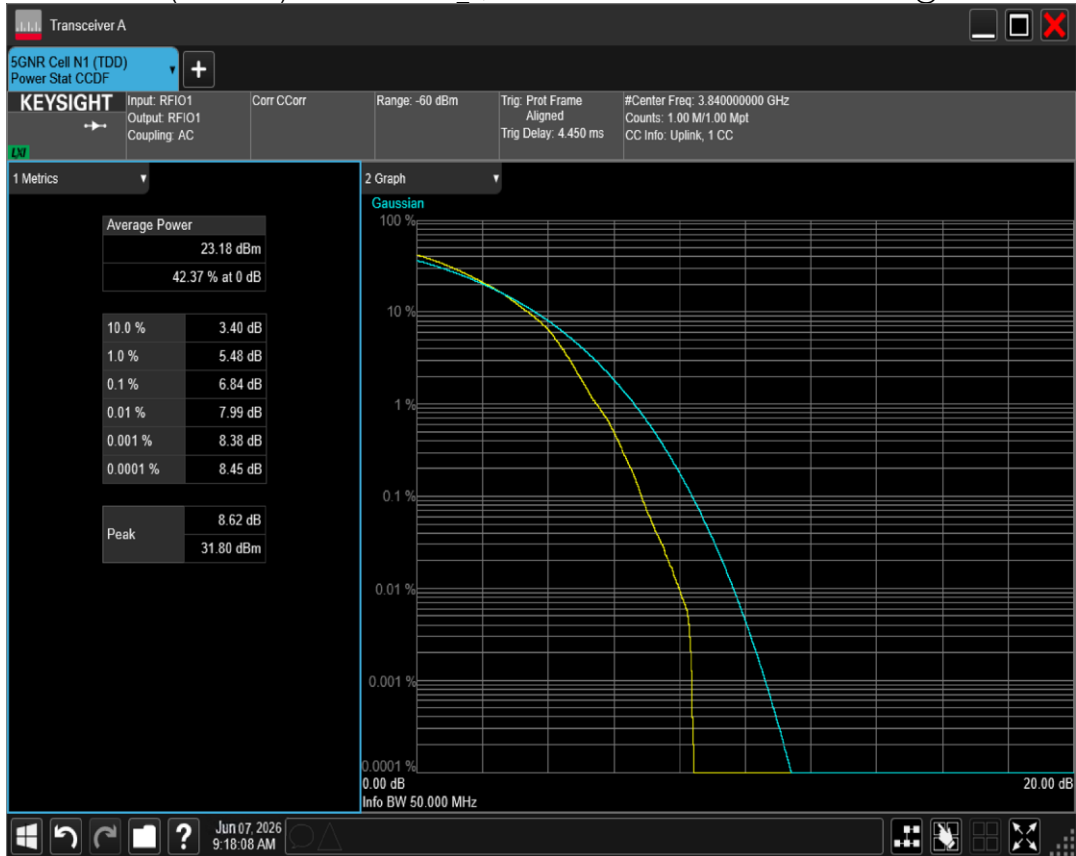
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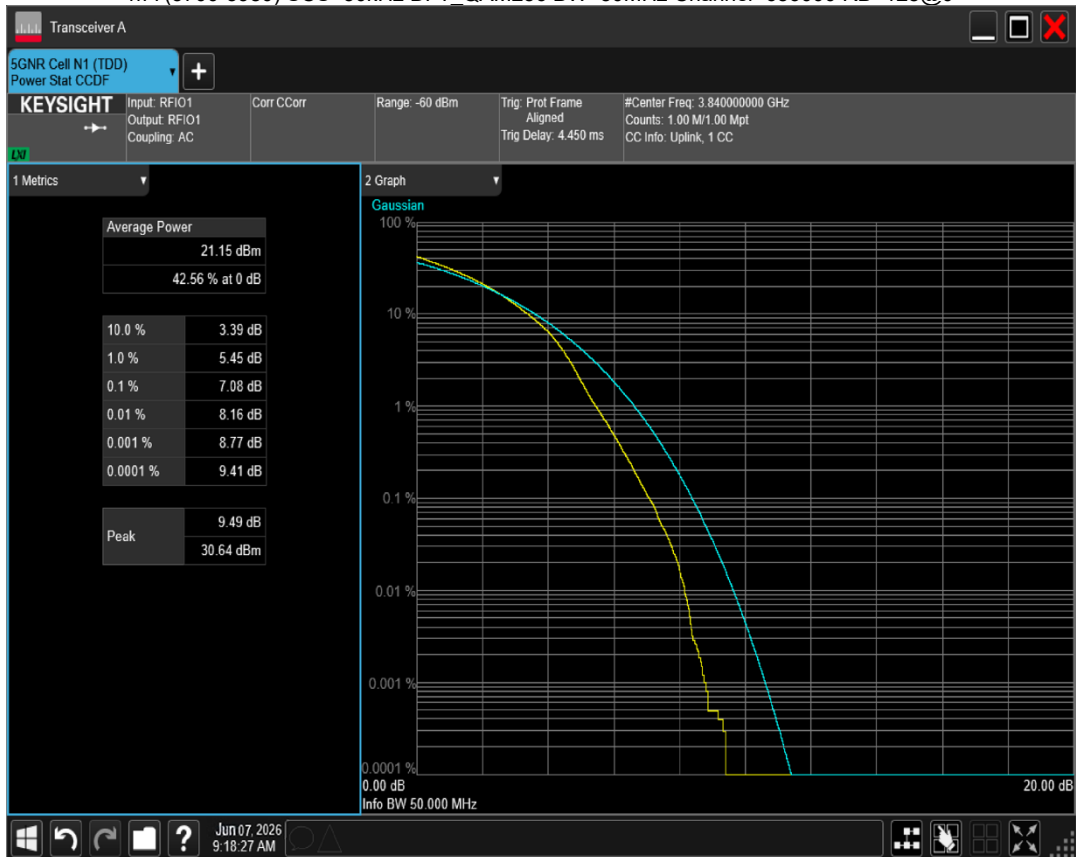
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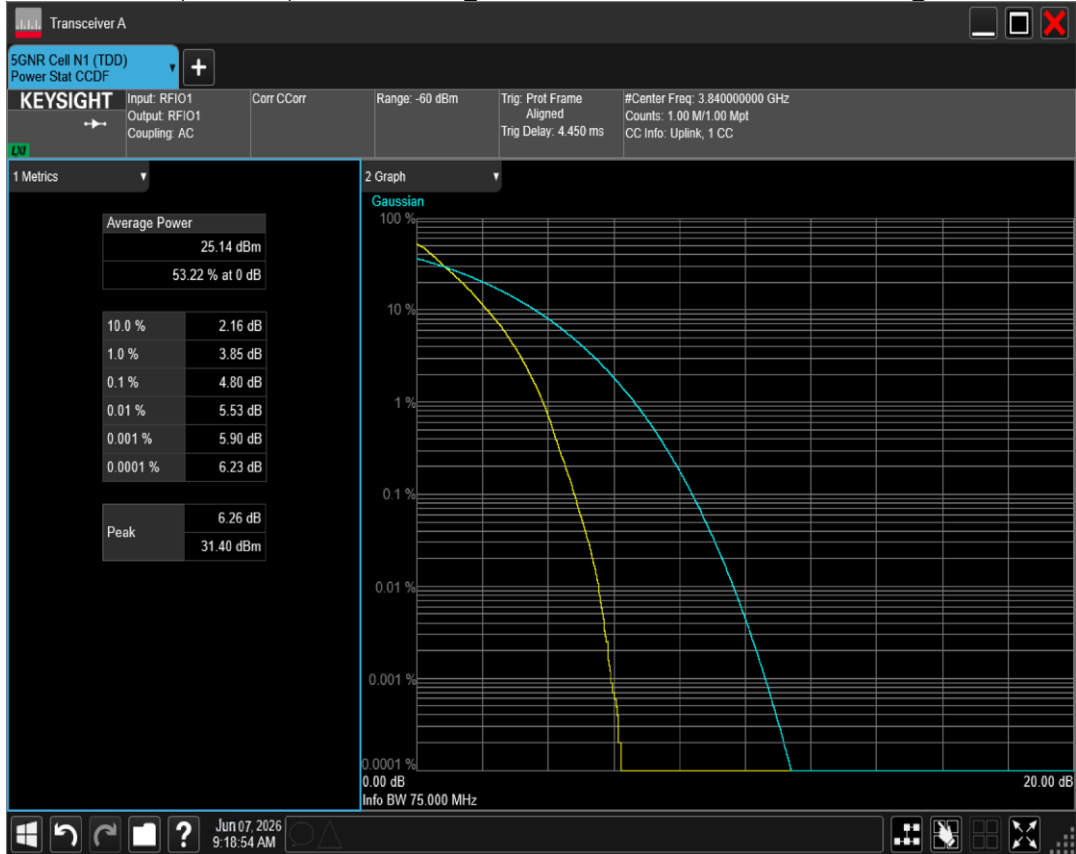
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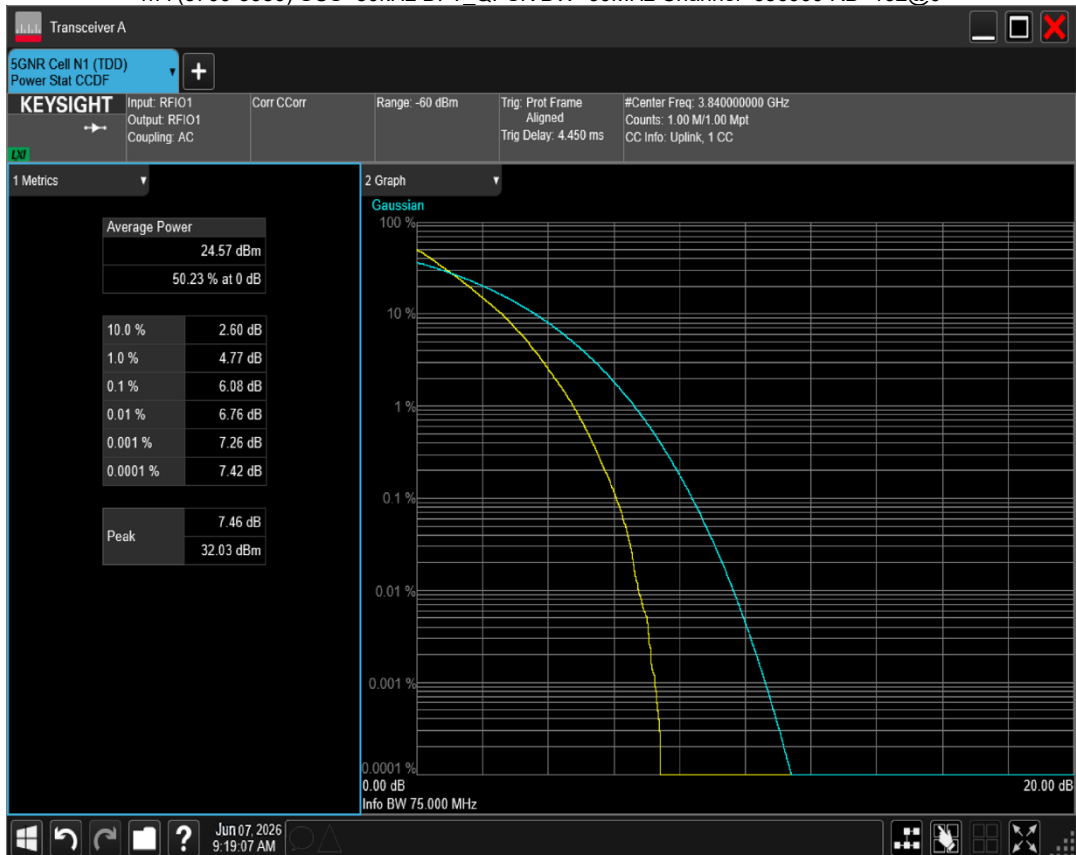
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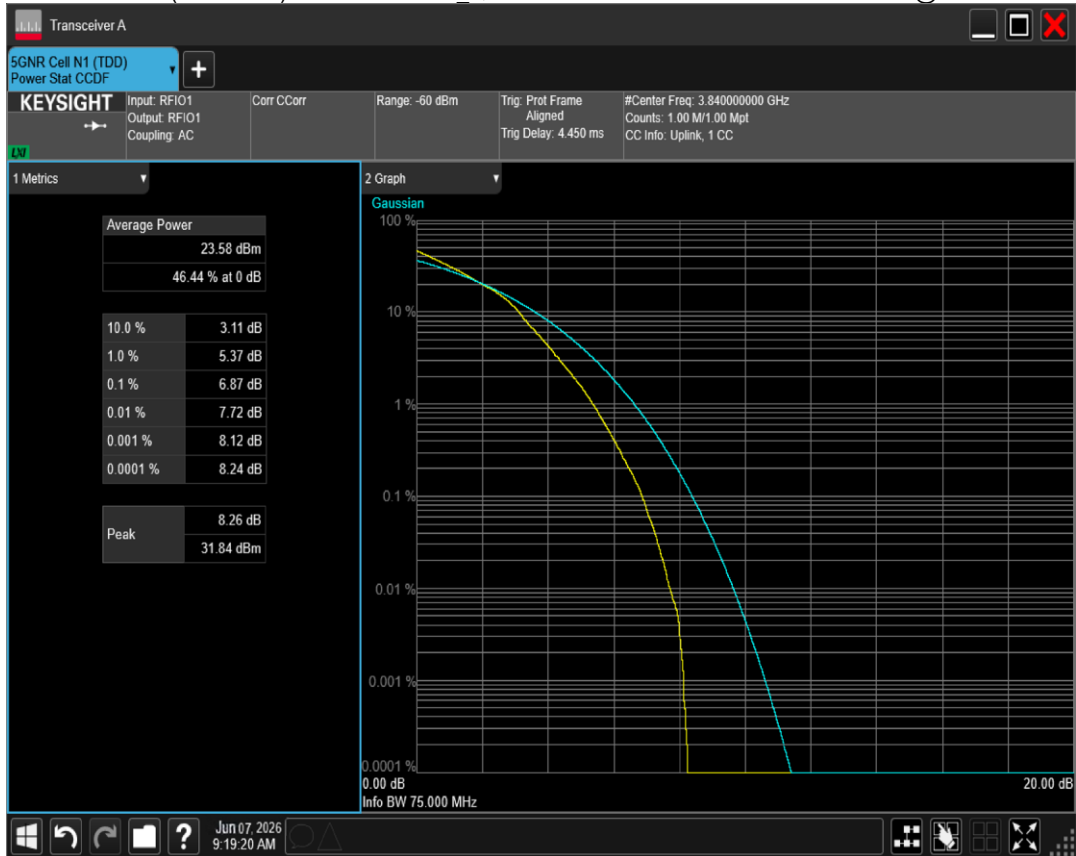
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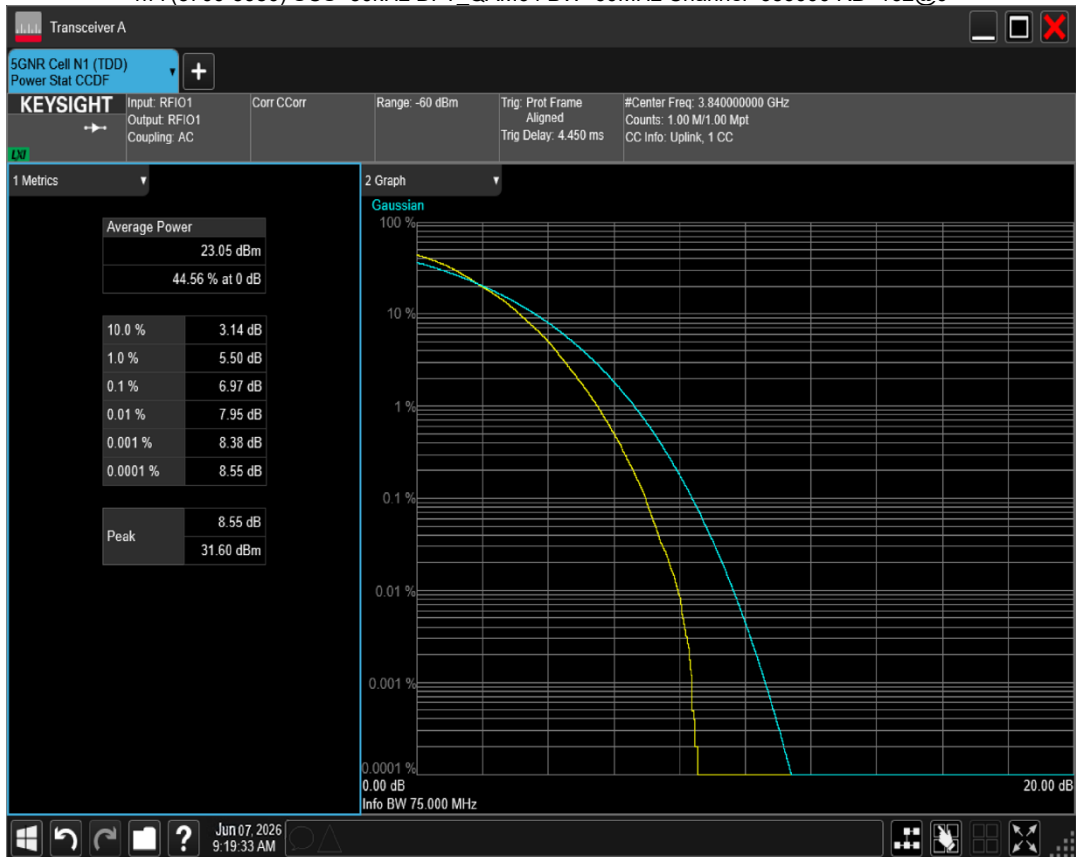
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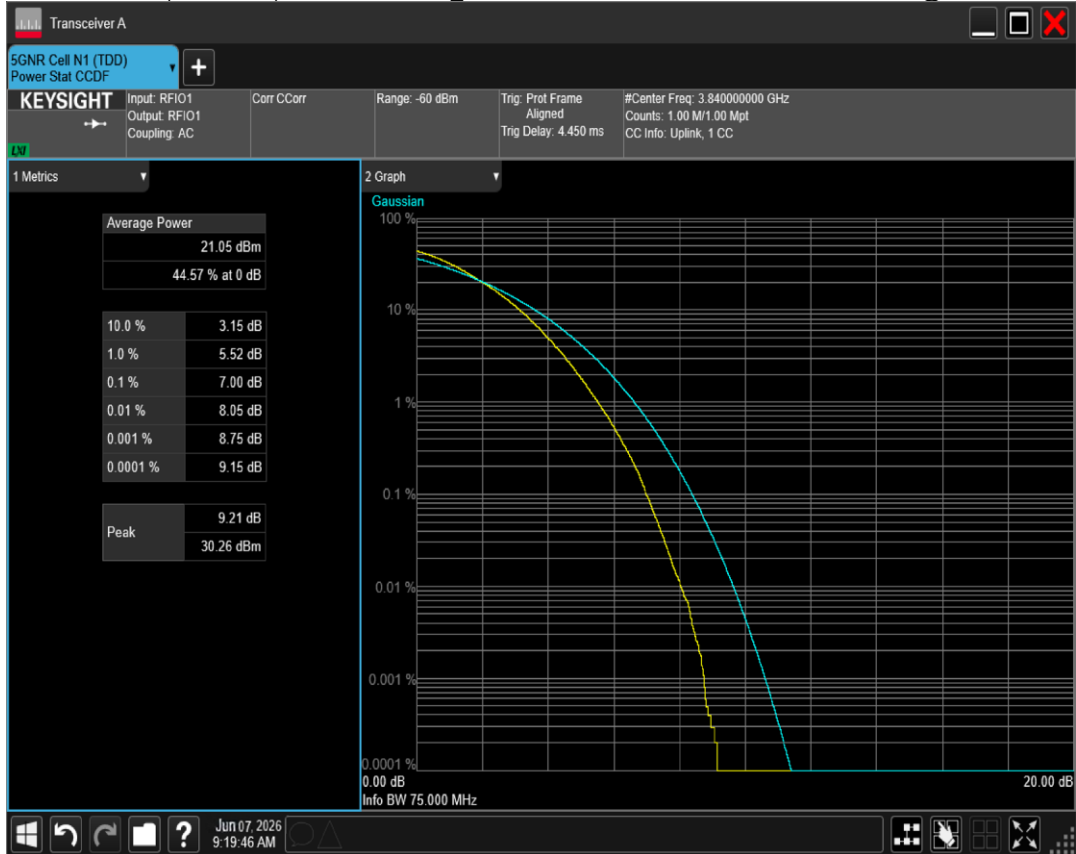
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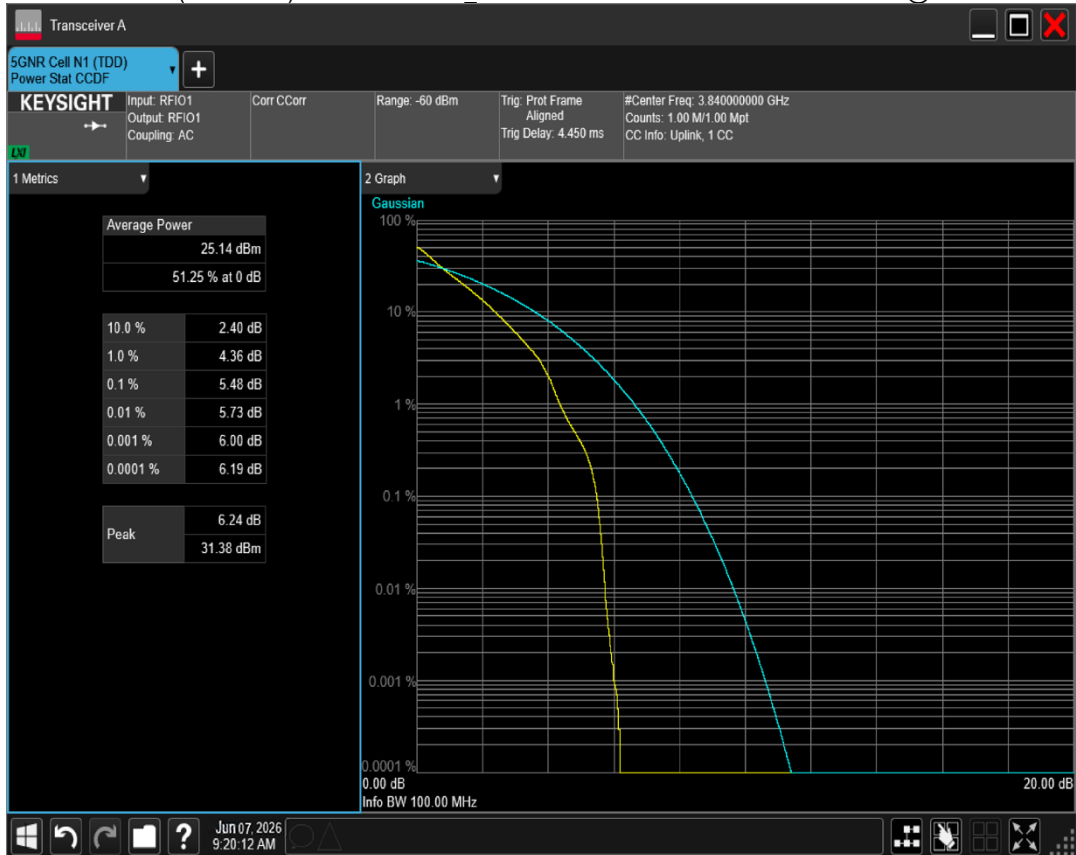
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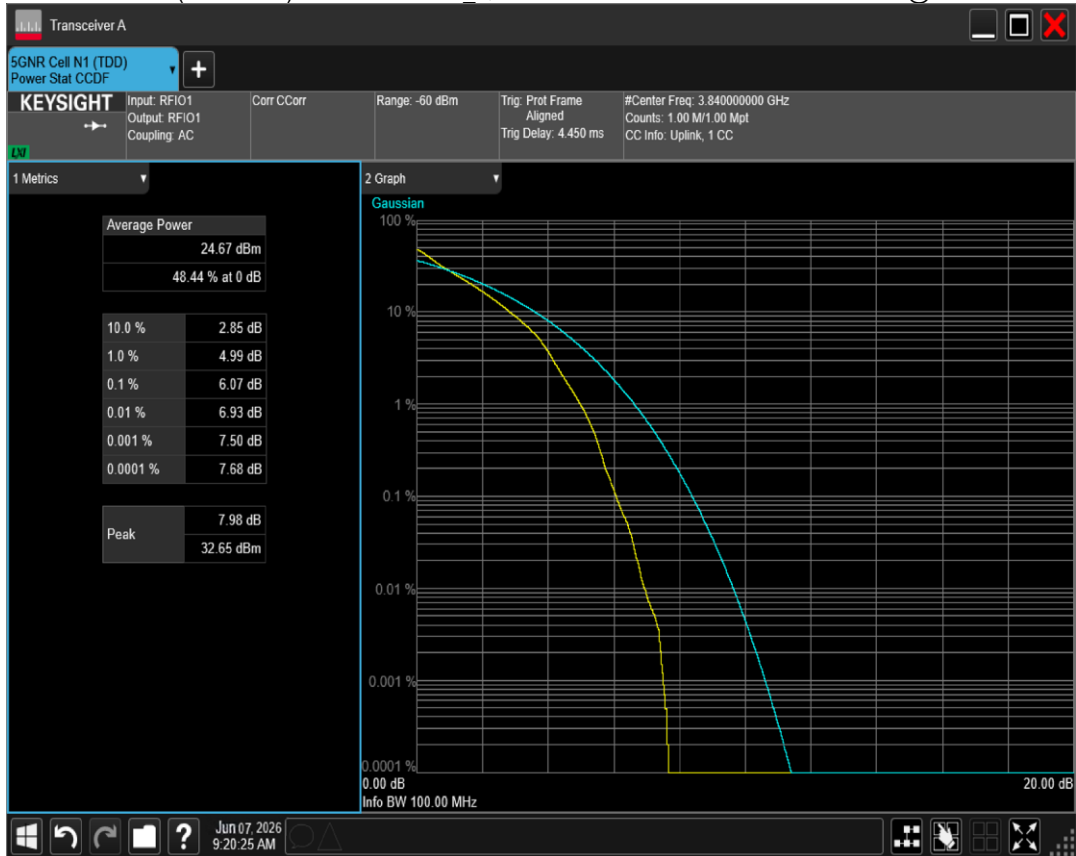
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n77(3700-3980) SCS=30kHz DFT_BPSK BW=80MHz Channel=656000 RB=216@0



n77(3700-3980) SCS=30kHz DFT_QPSK BW=80MHz Channel=656000 RB=216@0



n77(3700-3980) SCS=30kHz DFT_QAM16 BW=80MHz Channel=656000 RB=216@0

