

Appendix Test Data for 5G-NR n77-L (3450MHz -3550MHz)

1 Conducted output power for NR FR1

NR Band n77(3450-3550) SCS 30KHz											
BW (MHz)	Modulation	RB Allocation	Conducted Power(dBm)			Ant gain (dBi)	EIRP(dBm)			Limit (dBm)	Verdict
			Channel/Frequency(MHz)				Channel/Frequency(MHz)				
				633334				633334			
				3500.0 10				3500.0 10			
100	DFT_BPSK	135@67		23.07		1.40		24.47		30.00	Pass
100	DFT_BPSK	1@1		23.08		1.40		24.48			Pass
100	DFT_BPSK	1@271		23.15		1.40		24.55			Pass
100	DFT_QPSK	135@67		23.52		1.40		24.92			Pass
100	DFT_QPSK	1@1		23.22		1.40		24.62			Pass
100	DFT_QPSK	1@271		23.27		1.40		24.67			Pass
100	DFT_QAM16	135@67		22.14		1.40		23.54			Pass
100	DFT_QAM16	1@1		22.06		1.40		23.46			Pass
100	DFT_QAM16	1@271		22.52		1.40		23.92			Pass
100	DFT_QAM64	135@67		21.48		1.40		22.88			Pass
100	DFT_QAM64	1@1		21.13		1.40		22.53			Pass
100	DFT_QAM64	1@271		21.75		1.40		23.15			Pass
100	DFT_QAM256	135@67		19.95		1.40		21.35			Pass
100	DFT_QAM256	1@1		19.50		1.40		20.90			Pass
100	DFT_QAM256	1@271		19.61		1.40		21.01			Pass
100	CP_QPSK	137@68		21.32		1.40		22.72			Pass
100	CP_QPSK	1@1		21.74		1.40		23.14			Pass
100	CP_QPSK	1@271		21.20		1.40		22.60			Pass
100	CP_QAM16	137@68		20.84		1.40		22.24			Pass
100	CP_QAM16	1@1		20.26		1.40		21.66			Pass
100	CP_QAM16	1@271		20.75		1.40		22.15			Pass
100	CP_QAM64	137@68		19.31		1.40		20.71			Pass
100	CP_QAM64	1@1		19.48		1.40		20.88			Pass
100	CP_QAM64	1@271		19.56		1.40		20.96			Pass
100	CP_QAM256	137@68		17.66		1.40		19.06			Pass
100	CP_QAM256	1@1		17.56		1.40		18.96			Pass
100	CP_QAM256	1@271		17.08		1.40		18.48			Pass

NR Band n77(3450-3550) SCS 30KHz											
BW (MHz)	Modulation	RB Allocation	Conducted Power(dBm)			Ant gain (dBi)	EIRP(dBm)			Limit (dBm)	Verdict
			Channel/Frequency(MHz)				Channel/Frequency(MHz)				
			633000	633334	633666		633000	633334	633666		
			3495.0 00	3500.0 10	3504.9 90		3495.0 00	3500.0 10	3504.9 90		
90	DFT_BPSK	120@60	23.71	23.64	23.61	1.40	25.11	25.04	25.01	30.00	Pass
90	DFT_BPSK	1@1	23.69	23.84	23.53	1.40	25.09	25.24	24.93		Pass
90	DFT_BPSK	1@243	23.17	23.62	23.70	1.40	24.57	25.02	25.10		Pass
90	DFT_QPSK	120@60	23.53	23.20	23.00	1.40	24.93	24.60	24.40		Pass
90	DFT_QPSK	1@1	23.17	23.45	23.34	1.40	24.57	24.85	24.74		Pass
90	DFT_QPSK	1@243	23.15	23.44	23.21	1.40	24.55	24.84	24.61		Pass
90	DFT_QAM16	120@60	22.01	22.70	22.57	1.40	23.41	24.10	23.97		Pass
90	DFT_QAM16	1@1	22.07	22.22	22.79	1.40	23.47	23.62	24.19		Pass
90	DFT_QAM16	1@243	22.61	22.32	22.12	1.40	24.01	23.72	23.52		Pass
90	DFT_QAM64	120@60	21.29	21.73	21.73	1.40	22.69	23.13	23.13		Pass
90	DFT_QAM64	1@1	21.68	21.61	21.40	1.40	23.08	23.01	22.80		Pass
90	DFT_QAM64	1@243	21.92	21.05	21.88	1.40	23.32	22.45	23.28		Pass
90	DFT_QAM256	120@60	19.39	19.12	19.36	1.40	20.79	20.52	20.76		Pass
90	DFT_QAM256	1@1	19.63	19.30	19.64	1.40	21.03	20.70	21.04		Pass
90	DFT_QAM256	1@243	19.11	19.18	19.20	1.40	20.51	20.58	20.60		Pass
90	CP_QPSK	123@61	21.18	21.77	21.43	1.40	22.58	23.17	22.83		Pass
90	CP_QPSK	1@1	21.21	21.13	21.28	1.40	22.61	22.53	22.68		Pass
90	CP_QPSK	1@243	21.09	21.91	21.02	1.40	22.49	23.31	22.42		Pass
90	CP_QAM16	123@61	20.76	20.78	20.31	1.40	22.16	22.18	21.71		Pass
90	CP_QAM16	1@1	20.68	20.28	20.31	1.40	22.08	21.68	21.71		Pass
90	CP_QAM16	1@243	20.79	20.35	20.90	1.40	22.19	21.75	22.30		Pass
90	CP_QAM64	123@61	19.40	19.08	19.43	1.40	20.80	20.48	20.83		Pass
90	CP_QAM64	1@1	19.63	19.00	19.89	1.40	21.03	20.40	21.29		Pass
90	CP_QAM64	1@243	19.59	19.11	19.72	1.40	20.99	20.51	21.12		Pass
90	CP_QAM256	123@61	17.12	17.01	17.74	1.40	18.52	18.41	19.14		Pass
90	CP_QAM256	1@1	17.14	17.52	17.52	1.40	18.54	18.92	18.92		Pass
90	CP_QAM256	1@243	17.10	17.84	17.81	1.40	18.50	19.24	19.21		Pass

NR Band n77(3450-3550) SCS 30KHz											
BW (MHz)	Modulation	RB Allocation	Conducted Power(dBm)			Ant gain (dBi)	EIRP(dBm)			Limit (dBm)	Verdict
			Channel/Frequency(MHz)				Channel/Frequency(MHz)				
			632668	633334	634000		632668	633334	634000		
			3490.0 20	3500.0 10	3510.0 00		3490.0 20	3500.0 10	3510.0 00		
80	DFT_BPSK	108@54	23.01	23.78	23.76	1.40	24.41	25.18	25.16	30.00	Pass
80	DFT_BPSK	1@1	23.59	23.48	23.41	1.40	24.99	24.88	24.81		Pass
80	DFT_BPSK	1@215	23.16	23.73	23.39	1.40	24.56	25.13	24.79		Pass
80	DFT_QPSK	108@54	23.09	23.16	23.40	1.40	24.49	24.56	24.80		Pass
80	DFT_QPSK	1@1	23.24	23.40	23.36	1.40	24.64	24.80	24.76		Pass
80	DFT_QPSK	1@215	23.26	23.41	23.14	1.40	24.66	24.81	24.54		Pass
80	DFT_QAM16	108@54	22.73	22.82	22.00	1.40	24.13	24.22	23.40		Pass
80	DFT_QAM16	1@1	22.47	22.62	22.23	1.40	23.87	24.02	23.63		Pass
80	DFT_QAM16	1@215	22.19	22.20	22.24	1.40	23.59	23.60	23.64		Pass
80	DFT_QAM64	108@54	21.94	21.68	21.58	1.40	23.34	23.08	22.98		Pass
80	DFT_QAM64	1@1	21.04	21.33	21.15	1.40	22.44	22.73	22.55		Pass
80	DFT_QAM64	1@215	21.50	21.09	21.39	1.40	22.90	22.49	22.79		Pass
80	DFT_QAM256	108@54	19.72	19.12	19.25	1.40	21.12	20.52	20.65		Pass
80	DFT_QAM256	1@1	19.67	19.89	19.24	1.40	21.07	21.29	20.64		Pass
80	DFT_QAM256	1@215	19.10	19.49	19.41	1.40	20.50	20.89	20.81		Pass
80	CP_QPSK	109@54	21.35	21.14	21.01	1.40	22.75	22.54	22.41		Pass
80	CP_QPSK	1@1	21.31	21.30	21.08	1.40	22.71	22.70	22.48		Pass
80	CP_QPSK	1@215	21.85	21.48	21.16	1.40	23.25	22.88	22.56		Pass
80	CP_QAM16	109@54	20.27	20.63	20.16	1.40	21.67	22.03	21.56		Pass
80	CP_QAM16	1@1	20.90	20.67	20.54	1.40	22.30	22.07	21.94		Pass
80	CP_QAM16	1@215	20.54	20.31	20.90	1.40	21.94	21.71	22.30		Pass
80	CP_QAM64	109@54	19.20	19.71	19.92	1.40	20.60	21.11	21.32		Pass
80	CP_QAM64	1@1	19.04	19.80	19.38	1.40	20.44	21.20	20.78		Pass
80	CP_QAM64	1@215	19.01	19.00	19.90	1.40	20.41	20.40	21.30		Pass
80	CP_QAM256	109@54	17.55	17.76	17.72	1.40	18.95	19.16	19.12		Pass
80	CP_QAM256	1@1	17.69	17.80	17.09	1.40	19.09	19.20	18.49		Pass
80	CP_QAM256	1@215	17.71	17.09	17.13	1.40	19.11	18.49	18.53		Pass

NR Band n77(3450-3550) SCS 30KHz											
BW (MHz)	Modulation	RB Allocation	Conducted Power(dBm)			Ant gain (dBi)	EIRP(dBm)			Limit (dBm)	Verdict
			Channel/Frequency(MHz)				Channel/Frequency(MHz)				
			632000	633334	634666		632000	633334	634666		
			3480.0 00	3500.0 10	3519.9 90		3480.0 00	3500.0 10	3519.9 90		
60	DFT_BPSK	81@40	23.26	23.21	23.64	1.40	24.66	24.61	25.04	30.00	Pass
60	DFT_BPSK	1@1	23.16	23.27	23.36	1.40	24.56	24.67	24.76		Pass
60	DFT_BPSK	1@160	23.25	23.05	23.28	1.40	24.65	24.45	24.68		Pass
60	DFT_QPSK	81@40	23.09	23.50	23.40	1.40	24.49	24.90	24.80		Pass
60	DFT_QPSK	1@1	23.50	23.01	23.15	1.40	24.90	24.41	24.55		Pass
60	DFT_QPSK	1@160	23.38	23.37	23.07	1.40	24.78	24.77	24.47		Pass
60	DFT_QAM16	81@40	22.01	22.39	22.00	1.40	23.41	23.79	23.40		Pass
60	DFT_QAM16	1@1	22.30	22.89	22.34	1.40	23.70	24.29	23.74		Pass
60	DFT_QAM16	1@160	22.64	22.00	22.67	1.40	24.04	23.40	24.07		Pass
60	DFT_QAM64	81@40	21.40	21.24	21.09	1.40	22.80	22.64	22.49		Pass
60	DFT_QAM64	1@1	21.77	21.78	21.51	1.40	23.17	23.18	22.91		Pass
60	DFT_QAM64	1@160	21.39	21.39	21.07	1.40	22.79	22.79	22.47		Pass
60	DFT_QAM256	81@40	19.05	19.51	19.61	1.40	20.45	20.91	21.01		Pass
60	DFT_QAM256	1@1	19.15	19.31	19.24	1.40	20.55	20.71	20.64		Pass
60	DFT_QAM256	1@160	19.64	19.15	19.84	1.40	21.04	20.55	21.24		Pass
60	CP_QPSK	81@40	21.74	21.36	21.92	1.40	23.14	22.76	23.32		Pass
60	CP_QPSK	1@1	21.68	21.90	21.92	1.40	23.08	23.30	23.32		Pass
60	CP_QPSK	1@160	21.26	21.70	21.29	1.40	22.66	23.10	22.69		Pass
60	CP_QAM16	81@40	20.82	20.92	20.78	1.40	22.22	22.32	22.18		Pass
60	CP_QAM16	1@1	20.52	20.75	20.40	1.40	21.92	22.15	21.80		Pass
60	CP_QAM16	1@160	20.50	20.78	20.62	1.40	21.90	22.18	22.02		Pass
60	CP_QAM64	81@40	19.75	19.30	19.22	1.40	21.15	20.70	20.62		Pass
60	CP_QAM64	1@1	19.36	19.23	19.49	1.40	20.76	20.63	20.89		Pass
60	CP_QAM64	1@160	19.62	19.57	19.25	1.40	21.02	20.97	20.65		Pass
60	CP_QAM256	81@40	17.54	17.63	17.17	1.40	18.94	19.03	18.57		Pass
60	CP_QAM256	1@1	17.16	17.82	17.80	1.40	18.56	19.22	19.20		Pass
60	CP_QAM256	1@160	17.64	17.34	17.74	1.40	19.04	18.74	19.14		Pass

NR Band n77(3450-3550) SCS 30KHz											
BW (MHz)	Modulation	RB Allocation	Conducted Power(dBm)			Ant gain (dBi)	EIRP(dBm)			Limit (dBm)	Verdict
			Channel/Frequency(MHz)				Channel/Frequency(MHz)				
			631668	633334	635000		631668	633334	635000		
			3475.0 20	3500.0 10	3525.0 00		3475.0 20	3500.0 10	3525.0 00		
50	DFT_BPSK	64@32	23.69	23.24	23.92	1.40	25.09	24.64	25.32	30.00	Pass
50	DFT_BPSK	1@1	23.47	23.25	23.29	1.40	24.87	24.65	24.69		Pass
50	DFT_BPSK	1@131	23.46	23.67	23.00	1.40	24.86	25.07	24.40		Pass
50	DFT_QPSK	64@32	23.01	23.21	23.10	1.40	24.41	24.61	24.50		Pass
50	DFT_QPSK	1@1	23.21	23.28	23.41	1.40	24.61	24.68	24.81		Pass
50	DFT_QPSK	1@131	23.28	23.52	23.04	1.40	24.68	24.92	24.44		Pass
50	DFT_QAM16	64@32	22.90	22.21	22.28	1.40	24.30	23.61	23.68		Pass
50	DFT_QAM16	1@1	22.85	22.91	22.18	1.40	24.25	24.31	23.58		Pass
50	DFT_QAM16	1@131	22.89	22.11	22.22	1.40	24.29	23.51	23.62		Pass
50	DFT_QAM64	64@32	21.26	21.63	21.53	1.40	22.66	23.03	22.93		Pass
50	DFT_QAM64	1@1	21.68	21.16	21.71	1.40	23.08	22.56	23.11		Pass
50	DFT_QAM64	1@131	21.06	21.67	21.49	1.40	22.46	23.07	22.89		Pass
50	DFT_QAM256	64@32	19.61	19.22	19.60	1.40	21.01	20.62	21.00		Pass
50	DFT_QAM256	1@1	19.86	19.48	19.68	1.40	21.26	20.88	21.08		Pass
50	DFT_QAM256	1@131	19.80	19.40	19.07	1.40	21.20	20.80	20.47		Pass
50	CP_QPSK	67@33	21.67	21.50	21.17	1.40	23.07	22.90	22.57		Pass
50	CP_QPSK	1@1	21.84	21.02	21.53	1.40	23.24	22.42	22.93		Pass
50	CP_QPSK	1@131	21.39	21.01	21.59	1.40	22.79	22.41	22.99		Pass
50	CP_QAM16	67@33	20.51	20.31	20.62	1.40	21.91	21.71	22.02		Pass
50	CP_QAM16	1@1	20.11	20.23	20.59	1.40	21.51	21.63	21.99		Pass
50	CP_QAM16	1@131	20.41	20.72	20.92	1.40	21.81	22.12	22.32		Pass
50	CP_QAM64	67@33	19.21	19.82	19.61	1.40	20.61	21.22	21.01		Pass
50	CP_QAM64	1@1	19.39	19.84	19.55	1.40	20.79	21.24	20.95		Pass
50	CP_QAM64	1@131	19.61	19.77	19.34	1.40	21.01	21.17	20.74		Pass
50	CP_QAM256	67@33	17.27	17.66	17.65	1.40	18.67	19.06	19.05		Pass
50	CP_QAM256	1@1	17.52	17.78	17.23	1.40	18.92	19.18	18.63		Pass
50	CP_QAM256	1@131	17.84	17.65	17.17	1.40	19.24	19.05	18.57		Pass

NR Band n77(3450-3550) SCS 30KHz											
BW (MHz)	Modulation	RB Allocation	Conducted Power(dBm)			Ant gain (dBi)	EIRP(dBm)			Limit (dBm)	Verdict
			Channel/Frequency(MHz)				Channel/Frequency(MHz)				
			631334	633334	635332		631334	633334	635332		
			3470.0 10	3500.0 10	3529.9 80		3470.0 10	3500.0 10	3529.9 80		
40	DFT_BPSK	50@25	23.30	23.89	23.60	1.40	24.70	25.29	25.00	30.00	Pass
40	DFT_BPSK	1@1	23.28	23.82	23.57	1.40	24.68	25.22	24.97		Pass
40	DFT_BPSK	1@104	23.89	23.58	23.13	1.40	25.29	24.98	24.53		Pass
40	DFT_QPSK	50@25	23.48	23.07	23.40	1.40	24.88	24.47	24.80		Pass
40	DFT_QPSK	1@1	23.16	23.00	23.16	1.40	24.56	24.40	24.56		Pass
40	DFT_QPSK	1@104	23.51	23.03	23.16	1.40	24.91	24.43	24.56		Pass
40	DFT_QAM16	50@25	22.77	22.10	22.77	1.40	24.17	23.50	24.17		Pass
40	DFT_QAM16	1@1	22.23	22.79	22.27	1.40	23.63	24.19	23.67		Pass
40	DFT_QAM16	1@104	22.72	22.17	22.09	1.40	24.12	23.57	23.49		Pass
40	DFT_QAM64	50@25	21.75	21.66	21.51	1.40	23.15	23.06	22.91		Pass
40	DFT_QAM64	1@1	21.10	21.44	21.53	1.40	22.50	22.84	22.93		Pass
40	DFT_QAM64	1@104	21.93	21.23	21.69	1.40	23.33	22.63	23.09		Pass
40	DFT_QAM256	50@25	19.02	19.36	19.65	1.40	20.42	20.76	21.05		Pass
40	DFT_QAM256	1@1	19.47	19.36	19.80	1.40	20.87	20.76	21.20		Pass
40	DFT_QAM256	1@104	19.52	19.68	19.01	1.40	20.92	21.08	20.41		Pass
40	CP_QPSK	53@26	21.69	21.84	21.11	1.40	23.09	23.24	22.51		Pass
40	CP_QPSK	1@1	21.66	21.61	21.06	1.40	23.06	23.01	22.46		Pass
40	CP_QPSK	1@104	21.78	21.12	21.15	1.40	23.18	22.52	22.55		Pass
40	CP_QAM16	53@26	20.76	20.56	20.89	1.40	22.16	21.96	22.29		Pass
40	CP_QAM16	1@1	20.20	20.42	20.69	1.40	21.60	21.82	22.09		Pass
40	CP_QAM16	1@104	20.70	20.79	20.92	1.40	22.10	22.19	22.32		Pass
40	CP_QAM64	53@26	19.80	19.11	19.91	1.40	21.20	20.51	21.31		Pass
40	CP_QAM64	1@1	19.38	19.32	19.26	1.40	20.78	20.72	20.66		Pass
40	CP_QAM64	1@104	19.76	19.39	19.18	1.40	21.16	20.79	20.58		Pass
40	CP_QAM256	53@26	17.64	17.07	17.02	1.40	19.04	18.47	18.42		Pass
40	CP_QAM256	1@1	17.77	17.75	17.43	1.40	19.17	19.15	18.83		Pass
40	CP_QAM256	1@104	17.59	17.28	17.52	1.40	18.99	18.68	18.92		Pass

NR Band n77(3450-3550) SCS 30KHz											
BW (MHz)	Modulation	RB Allocation	Conducted Power(dBm)			Ant gain (dBi)	EIRP(dBm)			Limit (dBm)	Verdict
			Channel/Frequency(MHz)				Channel/Frequency(MHz)				
			631000	633334	635666		631000	633334	635666		
			3465.0 00	3500.0 10	3534.9 90		3465.0 00	3500.0 10	3534.9 90		
30	DFT_BPSK	36@18	23.61	23.24	23.89	1.40	25.01	24.64	25.29	30.00	Pass
30	DFT_BPSK	1@1	23.00	23.38	23.71	1.40	24.40	24.78	25.11		Pass
30	DFT_BPSK	1@76	23.74	23.89	23.90	1.40	25.14	25.29	25.30		Pass
30	DFT_QPSK	36@18	23.03	23.49	23.53	1.40	24.43	24.89	24.93		Pass
30	DFT_QPSK	1@1	23.18	23.40	23.11	1.40	24.58	24.80	24.51		Pass
30	DFT_QPSK	1@76	23.14	23.27	23.28	1.40	24.54	24.67	24.68		Pass
30	DFT_QAM16	36@18	22.61	22.48	22.60	1.40	24.01	23.88	24.00		Pass
30	DFT_QAM16	1@1	22.09	22.53	22.24	1.40	23.49	23.93	23.64		Pass
30	DFT_QAM16	1@76	22.31	22.62	22.91	1.40	23.71	24.02	24.31		Pass
30	DFT_QAM64	36@18	21.37	21.64	21.36	1.40	22.77	23.04	22.76		Pass
30	DFT_QAM64	1@1	21.27	21.75	21.30	1.40	22.67	23.15	22.70		Pass
30	DFT_QAM64	1@76	21.75	21.46	21.28	1.40	23.15	22.86	22.68		Pass
30	DFT_QAM256	36@18	19.23	19.68	19.92	1.40	20.63	21.08	21.32		Pass
30	DFT_QAM256	1@1	19.79	19.31	19.11	1.40	21.19	20.71	20.51		Pass
30	DFT_QAM256	1@76	19.07	19.44	19.51	1.40	20.47	20.84	20.91		Pass
30	CP_QPSK	39@19	21.66	21.51	21.65	1.40	23.06	22.91	23.05		Pass
30	CP_QPSK	1@1	21.22	21.43	21.43	1.40	22.62	22.83	22.83		Pass
30	CP_QPSK	1@76	21.33	21.39	21.87	1.40	22.73	22.79	23.27		Pass
30	CP_QAM16	39@19	20.95	20.95	20.18	1.40	22.35	22.35	21.58		Pass
30	CP_QAM16	1@1	20.11	20.54	20.27	1.40	21.51	21.94	21.67		Pass
30	CP_QAM16	1@76	20.82	20.25	20.31	1.40	22.22	21.65	21.71		Pass
30	CP_QAM64	39@19	19.39	19.40	19.21	1.40	20.79	20.80	20.61		Pass
30	CP_QAM64	1@1	19.78	19.38	19.63	1.40	21.18	20.78	21.03		Pass
30	CP_QAM64	1@76	19.54	19.06	19.72	1.40	20.94	20.46	21.12		Pass
30	CP_QAM256	39@19	17.57	17.83	17.23	1.40	18.97	19.23	18.63		Pass
30	CP_QAM256	1@1	17.66	17.43	17.47	1.40	19.06	18.83	18.87		Pass
30	CP_QAM256	1@76	17.06	17.01	17.84	1.40	18.46	18.41	19.24		Pass

NR Band n77(3450-3550) SCS 30KHz											
BW (MHz)	Modulation	RB Allocation	Conducted Power(dBm)			Ant gain (dBi)	EIRP(dBm)			Limit (dBm)	Verdict
			Channel/Frequency(MHz)				Channel/Frequency(MHz)				
			630668	633334	636000		630668	633334	636000		
			3460.0 20	3500.0 10	3540.0 00		3460.0 20	3500.0 10	3540.0 00		
20	DFT_BPSK	25@12	23.61	23.71	23.33	1.40	25.01	25.11	24.73	30.00	Pass
20	DFT_BPSK	1@1	23.08	23.10	23.47	1.40	24.48	24.50	24.87		Pass
20	DFT_BPSK	1@49	23.42	23.25	23.29	1.40	24.82	24.65	24.69		Pass
20	DFT_QPSK	25@12	23.25	23.14	23.34	1.40	24.65	24.54	24.74		Pass
20	DFT_QPSK	1@1	23.52	23.34	23.11	1.40	24.92	24.74	24.51		Pass
20	DFT_QPSK	1@49	23.49	23.37	23.37	1.40	24.89	24.77	24.77		Pass
20	DFT_QAM16	25@12	22.30	22.86	22.21	1.40	23.70	24.26	23.61		Pass
20	DFT_QAM16	1@1	22.58	22.01	22.22	1.40	23.98	23.41	23.62		Pass
20	DFT_QAM16	1@49	22.63	22.87	22.42	1.40	24.03	24.27	23.82		Pass
20	DFT_QAM64	25@12	21.05	21.87	21.54	1.40	22.45	23.27	22.94		Pass
20	DFT_QAM64	1@1	21.27	21.08	21.01	1.40	22.67	22.48	22.41		Pass
20	DFT_QAM64	1@49	21.19	21.30	21.60	1.40	22.59	22.70	23.00		Pass
20	DFT_QAM256	25@12	19.03	19.85	19.92	1.40	20.43	21.25	21.32		Pass
20	DFT_QAM256	1@1	19.57	19.89	19.69	1.40	20.97	21.29	21.09		Pass
20	DFT_QAM256	1@49	19.72	19.26	19.74	1.40	21.12	20.66	21.14		Pass
20	CP_QPSK	25@12	21.63	21.25	21.16	1.40	23.03	22.65	22.56		Pass
20	CP_QPSK	1@1	21.19	21.07	21.44	1.40	22.59	22.47	22.84		Pass
20	CP_QPSK	1@49	21.75	21.29	21.38	1.40	23.15	22.69	22.78		Pass
20	CP_QAM16	25@12	20.87	20.10	20.66	1.40	22.27	21.50	22.06		Pass
20	CP_QAM16	1@1	20.88	20.77	20.73	1.40	22.28	22.17	22.13		Pass
20	CP_QAM16	1@49	20.44	20.45	20.91	1.40	21.84	21.85	22.31		Pass
20	CP_QAM64	25@12	19.24	19.71	19.50	1.40	20.64	21.11	20.90		Pass
20	CP_QAM64	1@1	19.70	19.42	19.49	1.40	21.10	20.82	20.89		Pass
20	CP_QAM64	1@49	19.19	19.27	19.36	1.40	20.59	20.67	20.76		Pass
20	CP_QAM256	25@12	17.87	17.00	17.44	1.40	19.27	18.40	18.84		Pass
20	CP_QAM256	1@1	17.24	17.86	17.34	1.40	18.64	19.26	18.74		Pass
20	CP_QAM256	1@49	17.02	17.41	17.26	1.40	18.42	18.81	18.66		Pass

NR Band n77(3450-3550) SCS 30KHz											
BW (MHz)	Modulation	RB Allocation	Conducted Power(dBm)			Ant gain (dBi)	EIRP(dBm)			Limit (dBm)	Verdict
			Channel/Frequency(MHz)				Channel/Frequency(MHz)				
			630500	633334	636166		630500	633334	636166		
			3457.5 00	3500.0 10	3542.4 90		3457.5 00	3500.0 10	3542.4 90		
15	DFT_BPSK	18@9	23.25	23.40	23.61	1.40	24.65	24.80	25.01	30.00	Pass
15	DFT_BPSK	1@1	23.86	23.53	23.57	1.40	25.26	24.93	24.97		Pass
15	DFT_BPSK	1@36	23.67	23.12	23.87	1.40	25.07	24.52	25.27		Pass
15	DFT_QPSK	18@9	23.49	23.08	23.42	1.40	24.89	24.48	24.82		Pass
15	DFT_QPSK	1@1	23.18	23.35	23.46	1.40	24.58	24.75	24.86		Pass
15	DFT_QPSK	1@36	23.39	23.02	23.00	1.40	24.79	24.42	24.40		Pass
15	DFT_QAM16	18@9	22.08	22.20	22.50	1.40	23.48	23.60	23.90		Pass
15	DFT_QAM16	1@1	22.72	22.14	22.13	1.40	24.12	23.54	23.53		Pass
15	DFT_QAM16	1@36	22.94	22.71	22.75	1.40	24.34	24.11	24.15		Pass
15	DFT_QAM64	18@9	21.78	21.12	21.31	1.40	23.18	22.52	22.71		Pass
15	DFT_QAM64	1@1	21.51	21.58	21.49	1.40	22.91	22.98	22.89		Pass
15	DFT_QAM64	1@36	21.52	21.54	21.18	1.40	22.92	22.94	22.58		Pass
15	DFT_QAM256	18@9	19.76	19.93	19.50	1.40	21.16	21.33	20.90		Pass
15	DFT_QAM256	1@1	19.23	19.37	19.52	1.40	20.63	20.77	20.92		Pass
15	DFT_QAM256	1@36	19.67	19.09	19.12	1.40	21.07	20.49	20.52		Pass
15	CP_QPSK	19@9	21.94	21.92	21.88	1.40	23.34	23.32	23.28		Pass
15	CP_QPSK	1@1	21.47	21.30	21.70	1.40	22.87	22.70	23.10		Pass
15	CP_QPSK	1@36	21.21	21.76	21.46	1.40	22.61	23.16	22.86		Pass
15	CP_QAM16	19@9	20.52	20.69	20.06	1.40	21.92	22.09	21.46		Pass
15	CP_QAM16	1@1	20.05	20.15	20.31	1.40	21.45	21.55	21.71		Pass
15	CP_QAM16	1@36	20.13	20.84	20.01	1.40	21.53	22.24	21.41		Pass
15	CP_QAM64	19@9	19.26	19.08	19.77	1.40	20.66	20.48	21.17		Pass
15	CP_QAM64	1@1	19.02	19.20	19.71	1.40	20.42	20.60	21.11		Pass
15	CP_QAM64	1@36	19.66	19.92	19.10	1.40	21.06	21.32	20.50		Pass
15	CP_QAM256	19@9	17.17	17.03	17.36	1.40	18.57	18.43	18.76		Pass
15	CP_QAM256	1@1	17.85	17.70	17.07	1.40	19.25	19.10	18.47		Pass
15	CP_QAM256	1@36	17.28	17.26	17.33	1.40	18.68	18.66	18.73		Pass

NR Band n77(3450-3550) SCS 30KHz											
BW (MHz)	Modulation	RB Allocation	Conducted Power(dBm)			Ant gain (dBi)	EIRP(dBm)			Limit (dBm)	Verdict
			Channel/Frequency(MHz)				Channel/Frequency(MHz)				
			630334	633334	636332		630334	633334	636332		
			3455.0 10	3500.0 10	3544.9 80		3455.0 10	3500.0 10	3544.9 80		
10	DFT_BPSK	12@6	23.83	23.68	23.87	1.40	25.23	25.08	25.27	30.00	Pass
10	DFT_BPSK	1@1	23.52	23.08	23.15	1.40	24.92	24.48	24.55		Pass
10	DFT_BPSK	1@22	23.36	23.16	23.43	1.40	24.76	24.56	24.83		Pass
10	DFT_QPSK	12@6	23.22	23.46	23.09	1.40	24.62	24.86	24.49		Pass
10	DFT_QPSK	1@1	23.19	23.52	23.19	1.40	24.59	24.92	24.59		Pass
10	DFT_QPSK	1@22	23.25	23.27	23.42	1.40	24.65	24.67	24.82		Pass
10	DFT_QAM16	12@6	22.84	22.33	22.00	1.40	24.24	23.73	23.40		Pass
10	DFT_QAM16	1@1	22.24	22.94	22.28	1.40	23.64	24.34	23.68		Pass
10	DFT_QAM16	1@22	22.62	22.16	22.83	1.40	24.02	23.56	24.23		Pass
10	DFT_QAM64	12@6	21.47	21.62	21.78	1.40	22.87	23.02	23.18		Pass
10	DFT_QAM64	1@1	21.81	21.70	21.43	1.40	23.21	23.10	22.83		Pass
10	DFT_QAM64	1@22	21.39	21.37	21.83	1.40	22.79	22.77	23.23		Pass
10	DFT_QAM256	12@6	19.47	19.12	19.49	1.40	20.87	20.52	20.89		Pass
10	DFT_QAM256	1@1	19.71	19.87	19.70	1.40	21.11	21.27	21.10		Pass
10	DFT_QAM256	1@22	19.58	19.86	19.63	1.40	20.98	21.26	21.03		Pass
10	CP_QPSK	12@6	21.50	21.71	21.59	1.40	22.90	23.11	22.99		Pass
10	CP_QPSK	1@1	21.68	21.59	21.30	1.40	23.08	22.99	22.70		Pass
10	CP_QPSK	1@22	21.79	21.77	21.56	1.40	23.19	23.17	22.96		Pass
10	CP_QAM16	12@6	20.70	20.48	20.53	1.40	22.10	21.88	21.93		Pass
10	CP_QAM16	1@1	20.46	20.06	20.02	1.40	21.86	21.46	21.42		Pass
10	CP_QAM16	1@22	20.14	20.25	20.30	1.40	21.54	21.65	21.70		Pass
10	CP_QAM64	12@6	19.19	19.38	19.49	1.40	20.59	20.78	20.89		Pass
10	CP_QAM64	1@1	19.57	19.41	19.66	1.40	20.97	20.81	21.06		Pass
10	CP_QAM64	1@22	19.13	19.91	19.78	1.40	20.53	21.31	21.18		Pass
10	CP_QAM256	12@6	17.91	17.16	17.52	1.40	19.31	18.56	18.92		Pass
10	CP_QAM256	1@1	17.29	17.92	17.25	1.40	18.69	19.32	18.65		Pass
10	CP_QAM256	1@22	17.31	17.41	17.10	1.40	18.71	18.81	18.50		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(3450-3550)	30	100	633334	135@67	DFT_BPSK	3.85	0.41	0.000	Within authorized band for 5G NR n77	PASS
n77(3450-3550)	30	100	633334	135@67	DFT_BPSK	3.27	0.74	0.000		PASS
n77(3450-3550)	30	100	633334	135@67	DFT_BPSK	4.43	-6.02	-0.002		PASS
n77(3450-3550)	30	100	633334	135@67	DFT_QPSK	3.85	-8.26	-0.002		PASS
n77(3450-3550)	30	100	633334	135@67	DFT_QPSK	3.27	2.27	0.001		PASS
n77(3450-3550)	30	100	633334	135@67	DFT_QPSK	4.43	-7.21	-0.002		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(3450-3550)	30	100	633334	135@67	DFT_BPSK	-30	9.21	0.003	Within authorized band for 5G NR n77	PASS
n77(3450-3550)	30	100	633334	135@67	DFT_BPSK	-20	-9.05	-0.003		PASS
n77(3450-3550)	30	100	633334	135@67	DFT_BPSK	-10	6.95	0.002		PASS
n77(3450-3550)	30	100	633334	135@67	DFT_BPSK	0	6.17	0.002		PASS
n77(3450-3550)	30	100	633334	135@67	DFT_BPSK	10	-3.45	-0.001		PASS
n77(3450-3550)	30	100	633334	135@67	DFT_BPSK	20	7.05	0.002		PASS
n77(3450-3550)	30	100	633334	135@67	DFT_BPSK	30	4.41	0.001		PASS
n77(3450-3550)	30	100	633334	135@67	DFT_BPSK	40	-0.80	0.000		PASS
n77(3450-3550)	30	100	633334	135@67	DFT_BPSK	50	-3.41	-0.001		PASS
n77(3450-3550)	30	100	633334	135@67	DFT_QPSK	-30	-8.81	-0.003		PASS
n77(3450-3550)	30	100	633334	135@67	DFT_QPSK	-20	-2.69	-0.001		PASS
n77(3450-3550)	30	100	633334	135@67	DFT_QPSK	-10	-7.99	-0.002		PASS
n77(3450-3550)	30	100	633334	135@67	DFT_QPSK	0	6.97	0.002		PASS
n77(3450-3550)	30	100	633334	135@67	DFT_QPSK	10	-8.69	-0.002		PASS
n77(3450-3550)	30	100	633334	135@67	DFT_QPSK	20	2.76	0.001		PASS
n77(3450-3550)	30	100	633334	135@67	DFT_QPSK	30	-0.61	0.000		PASS
n77(3450-3550)	30	100	633334	135@67	DFT_QPSK	40	-2.34	-0.001		PASS
n77(3450-3550)	30	100	633334	135@67	DFT_QPSK	50	9.90	0.003		PASS

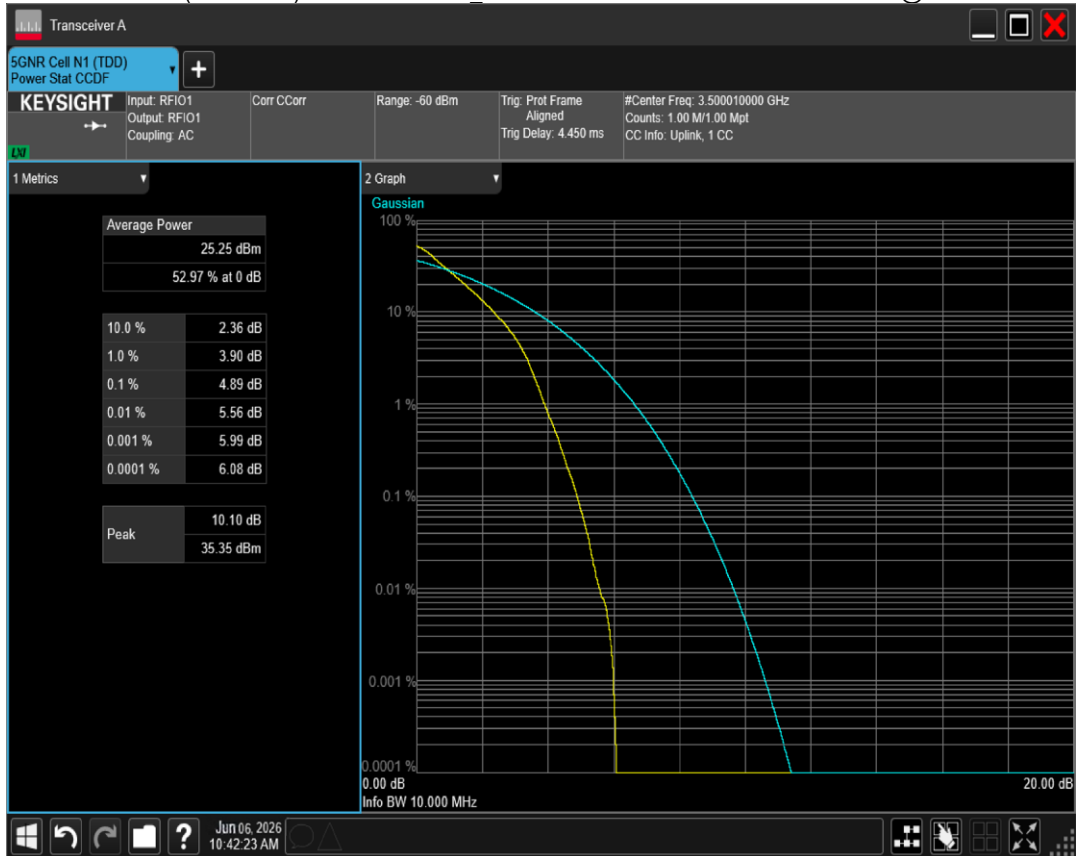
Note: Only the worst case shown in the report.

3 Peak-to-Average Ratio for NR FR1

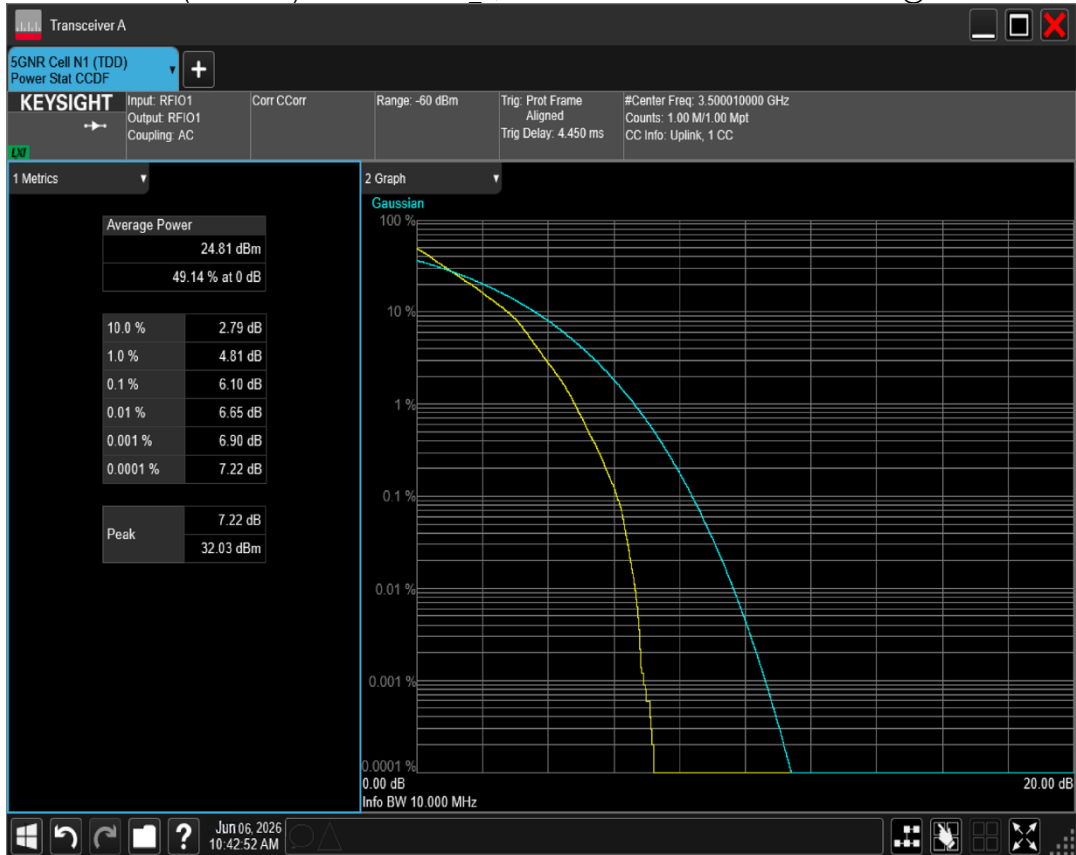
Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Result (dB)	high Limit (dB)	Verdict
n77(3450-3550)	30	10	633334	24@0	DFT_BPSK	4.89	13	PASS
n77(3450-3550)	30	10	633334	24@0	DFT_QPSK	6.10	13	PASS
n77(3450-3550)	30	10	633334	24@0	DFT_QAM16	6.72	13	PASS
n77(3450-3550)	30	10	633334	24@0	DFT_QAM64	6.93	13	PASS
n77(3450-3550)	30	10	633334	24@0	DFT_QAM256	7.15	13	PASS
n77(3450-3550)	30	15	633334	36@0	DFT_BPSK	4.94	13	PASS
n77(3450-3550)	30	15	633334	36@0	DFT_QPSK	6.15	13	PASS
n77(3450-3550)	30	15	633334	36@0	DFT_QAM16	6.83	13	PASS
n77(3450-3550)	30	15	633334	36@0	DFT_QAM64	7.12	13	PASS
n77(3450-3550)	30	15	633334	36@0	DFT_QAM256	7.06	13	PASS
n77(3450-3550)	30	20	633334	50@0	DFT_BPSK	4.88	13	PASS
n77(3450-3550)	30	20	633334	50@0	DFT_QPSK	6.15	13	PASS
n77(3450-3550)	30	20	633334	50@0	DFT_QAM16	6.88	13	PASS
n77(3450-3550)	30	20	633334	50@0	DFT_QAM64	6.97	13	PASS
n77(3450-3550)	30	20	633334	50@0	DFT_QAM256	7.17	13	PASS
n77(3450-3550)	30	30	633334	75@0	DFT_BPSK	4.78	13	PASS
n77(3450-3550)	30	30	633334	75@0	DFT_QPSK	6.09	13	PASS
n77(3450-3550)	30	30	633334	75@0	DFT_QAM16	6.85	13	PASS
n77(3450-3550)	30	30	633334	75@0	DFT_QAM64	7.06	13	PASS
n77(3450-3550)	30	30	633334	75@0	DFT_QAM256	7.07	13	PASS
n77(3450-3550)	30	40	633334	100@0	DFT_BPSK	4.84	13	PASS
n77(3450-3550)	30	40	633334	100@0	DFT_QPSK	6.11	13	PASS
n77(3450-3550)	30	40	633334	100@0	DFT_QAM16	6.76	13	PASS
n77(3450-3550)	30	40	633334	100@0	DFT_QAM64	7.00	13	PASS
n77(3450-3550)	30	40	633334	100@0	DFT_QAM256	7.02	13	PASS
n77(3450-3550)	30	50	633334	128@0	DFT_BPSK	5.16	13	PASS
n77(3450-3550)	30	50	633334	128@0	DFT_QPSK	6.00	13	PASS
n77(3450-3550)	30	50	633334	128@0	DFT_QAM16	6.75	13	PASS
n77(3450-3550)	30	50	633334	128@0	DFT_QAM64	6.98	13	PASS
n77(3450-3550)	30	50	633334	128@0	DFT_QAM256	7.06	13	PASS
n77(3450-3550)	30	60	633334	162@0	DFT_BPSK	4.77	13	PASS
n77(3450-3550)	30	60	633334	162@0	DFT_QPSK	6.02	13	PASS
n77(3450-3550)	30	60	633334	162@0	DFT_QAM16	6.86	13	PASS
n77(3450-3550)	30	60	633334	162@0	DFT_QAM64	7.01	13	PASS
n77(3450-3550)	30	60	633334	162@0	DFT_QAM256	7.10	13	PASS
n77(3450-3550)	30	80	633334	216@0	DFT_BPSK	5.46	13	PASS
n77(3450-3550)	30	80	633334	216@0	DFT_QPSK	6.06	13	PASS
n77(3450-3550)	30	80	633334	216@0	DFT_QAM16	6.73	13	PASS
n77(3450-3550)	30	80	633334	216@0	DFT_QAM64	7.00	13	PASS

n77(3450-3550)	30	80	633334	216@0	DFT_QAM256	7.02	13	PASS
n77(3450-3550)	30	90	633334	240@0	DFT_BPSK	5.14	13	PASS
n77(3450-3550)	30	90	633334	240@0	DFT_QPSK	6.01	13	PASS
n77(3450-3550)	30	90	633334	240@0	DFT_QAM16	6.83	13	PASS
n77(3450-3550)	30	90	633334	240@0	DFT_QAM64	6.91	13	PASS
n77(3450-3550)	30	90	633334	240@0	DFT_QAM256	7.08	13	PASS
n77(3450-3550)	30	100	633334	270@0	DFT_BPSK	5.39	13	PASS
n77(3450-3550)	30	100	633334	270@0	DFT_QPSK	5.94	13	PASS
n77(3450-3550)	30	100	633334	270@0	DFT_QAM16	6.71	13	PASS
n77(3450-3550)	30	100	633334	270@0	DFT_QAM64	6.96	13	PASS
n77(3450-3550)	30	100	633334	270@0	DFT_QAM256	7.01	13	PASS

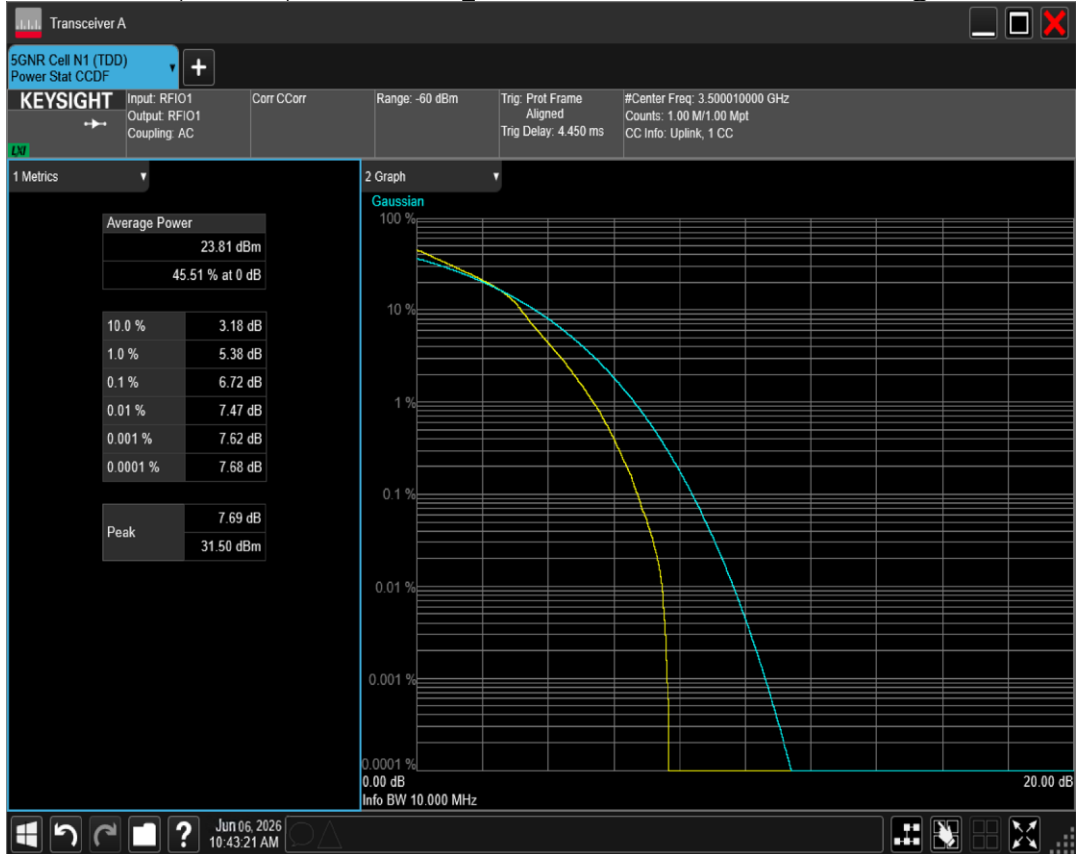
n77(3450-3550) SCS=30kHz DFT_BPSK BW=10MHz Channel=633334 RB=24@0



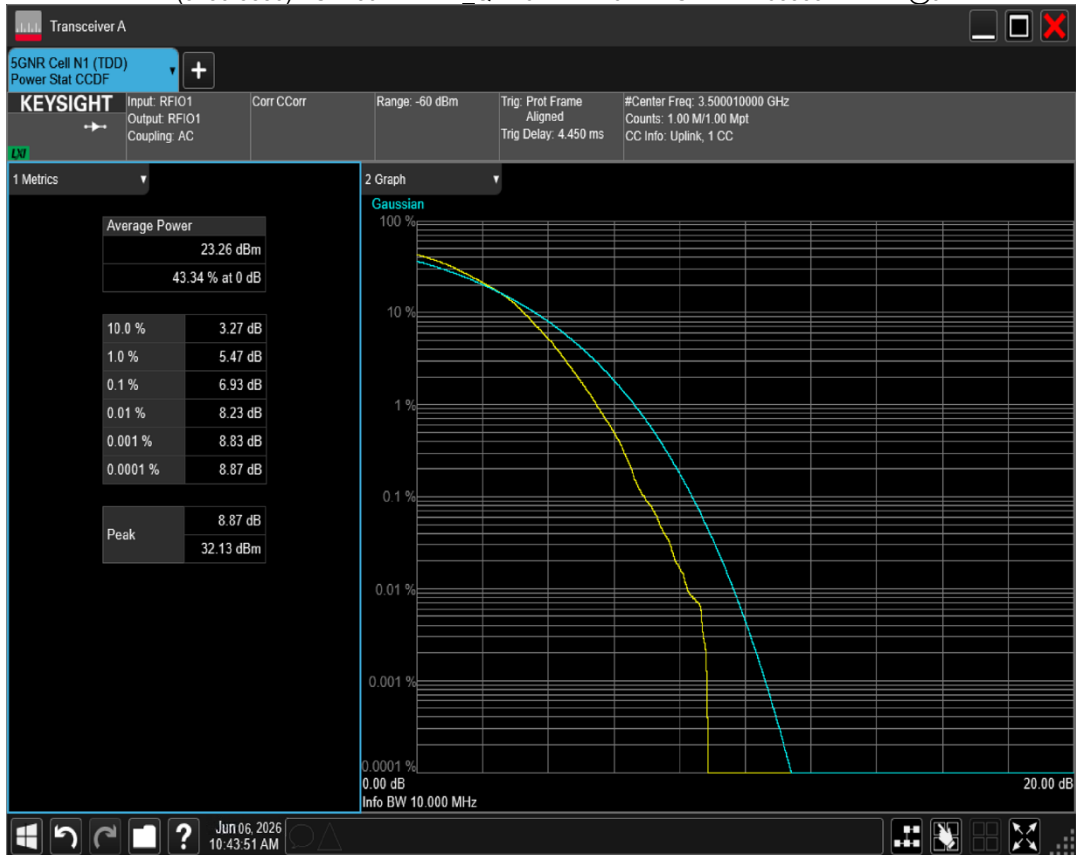
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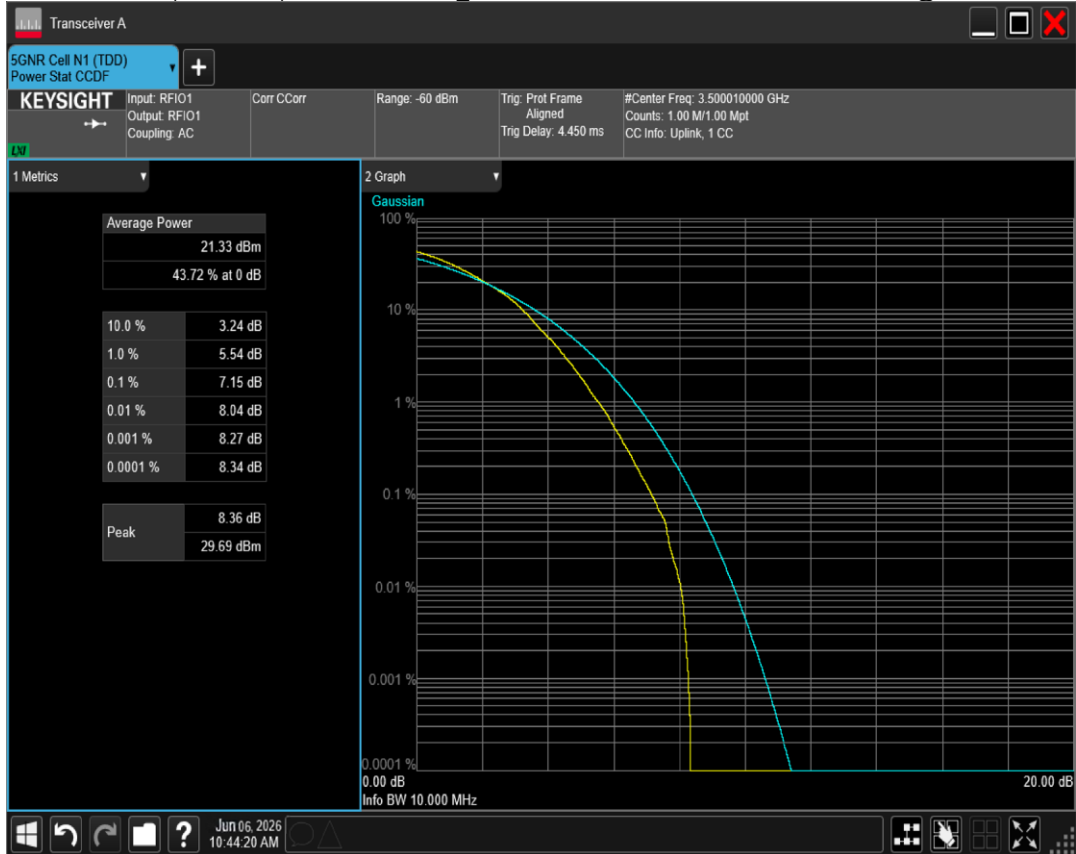
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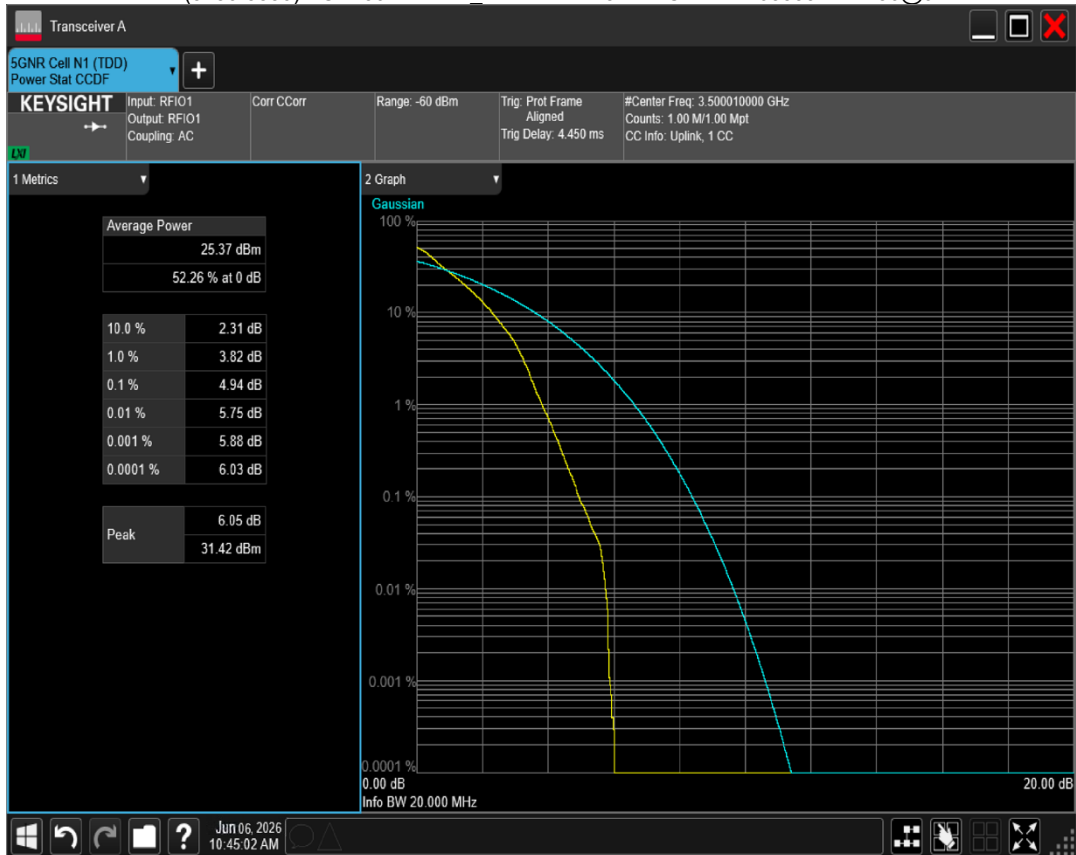
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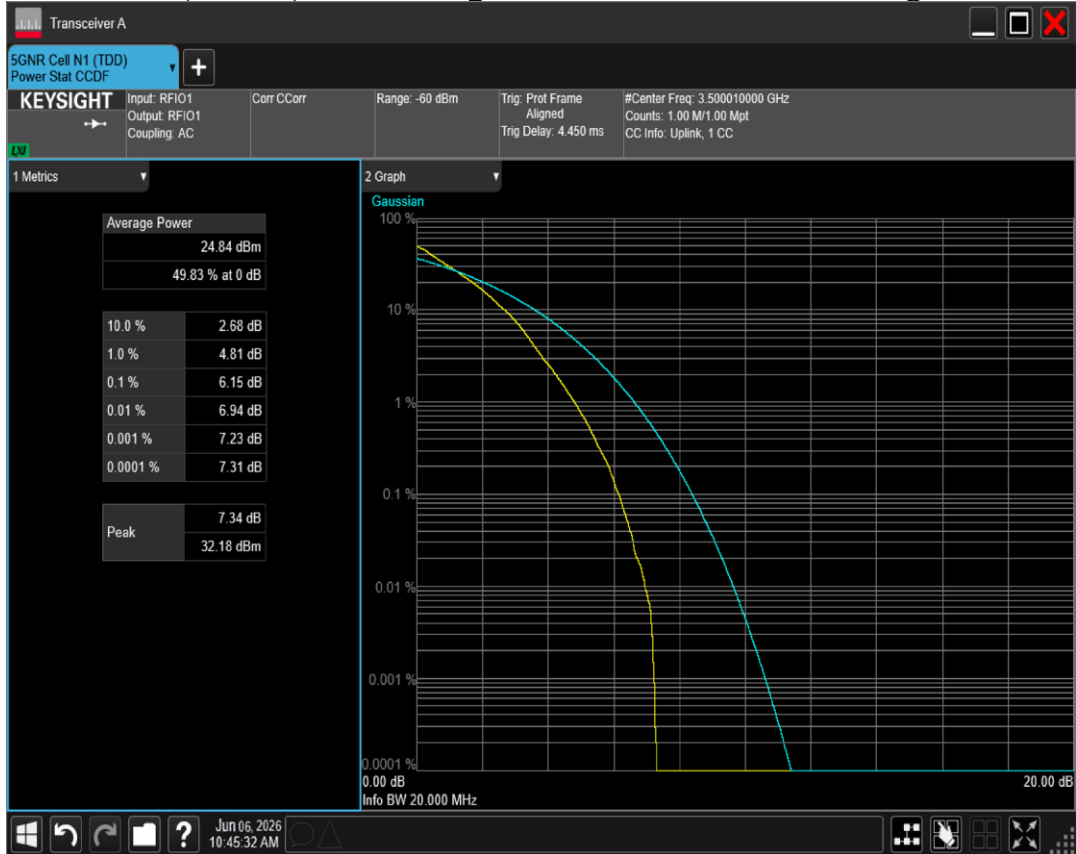
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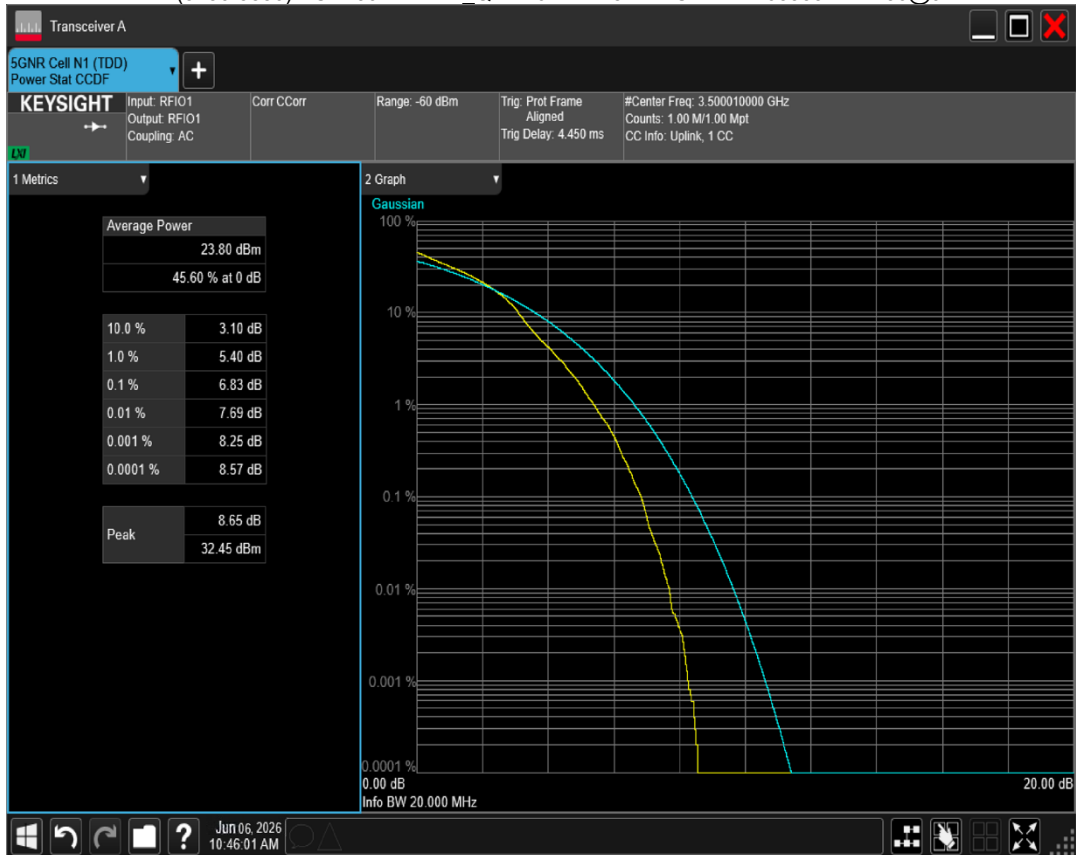
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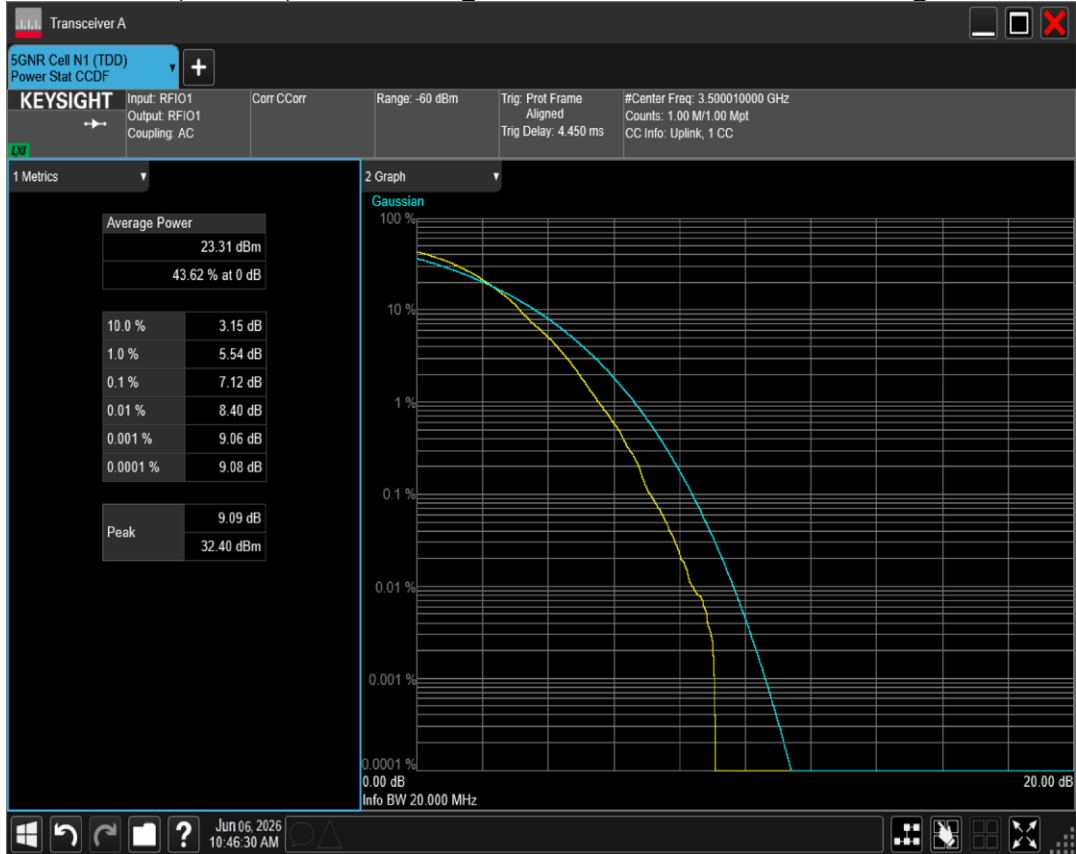
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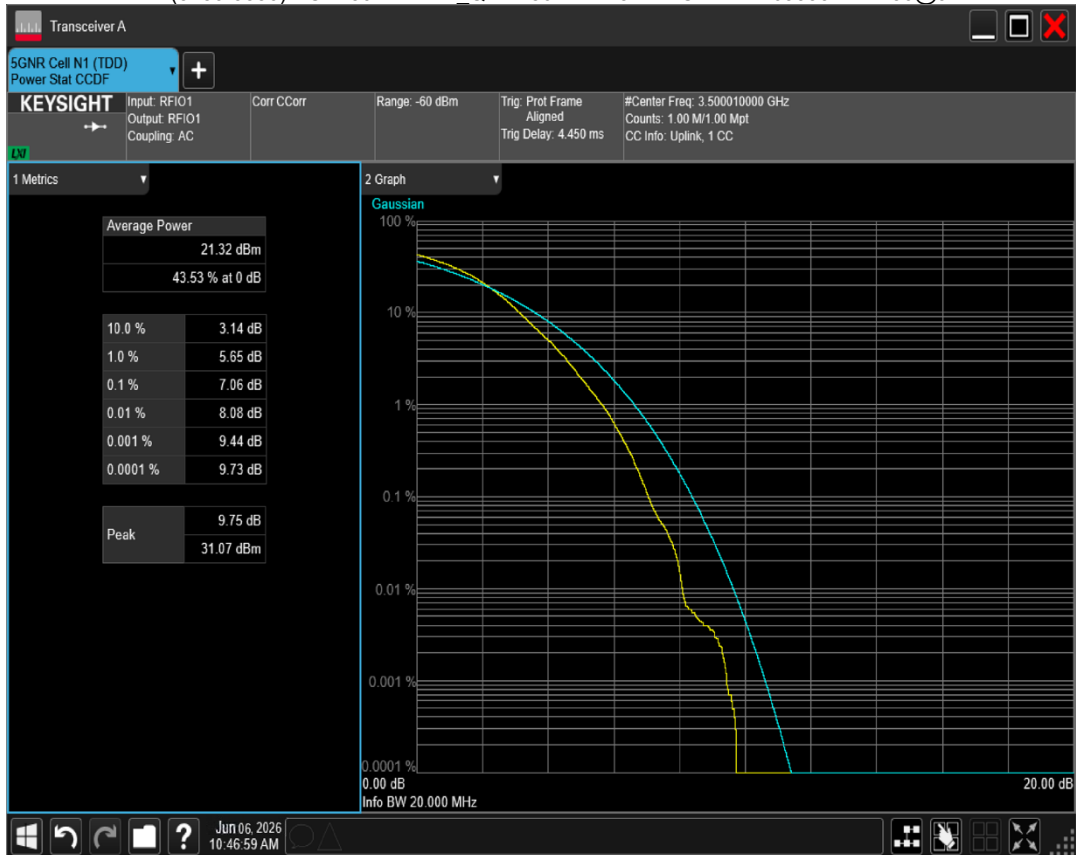
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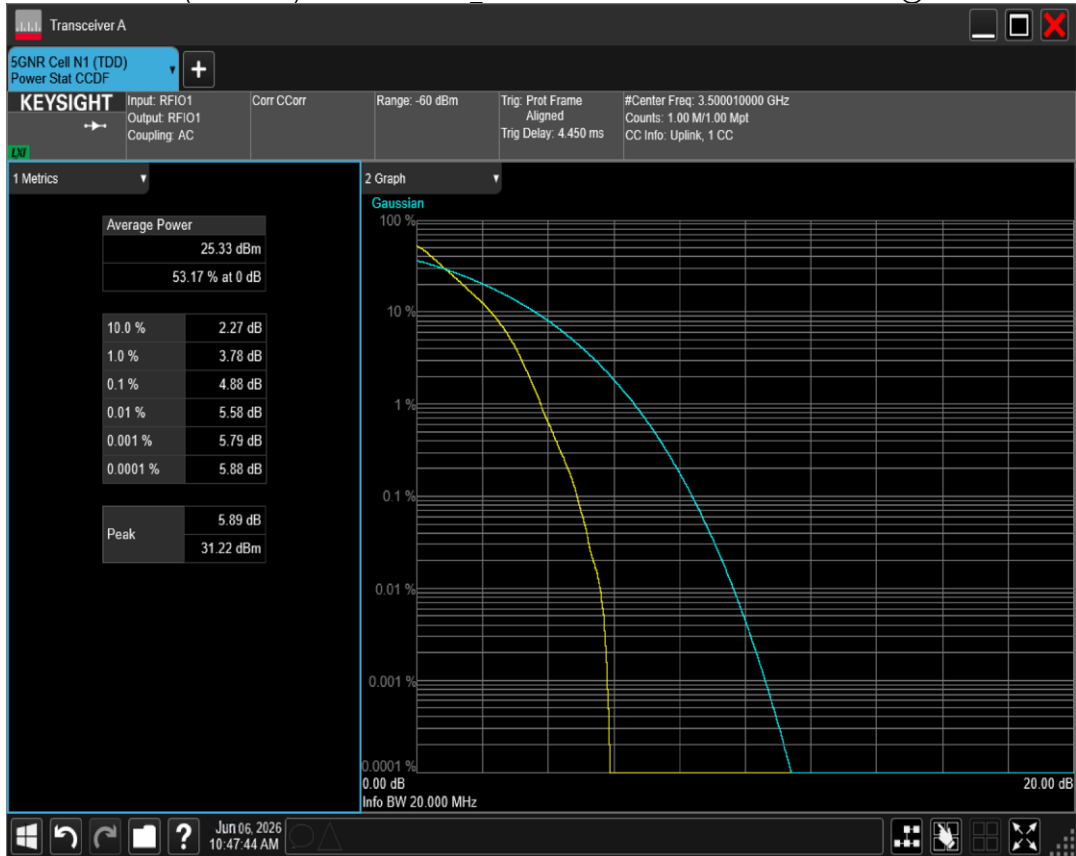
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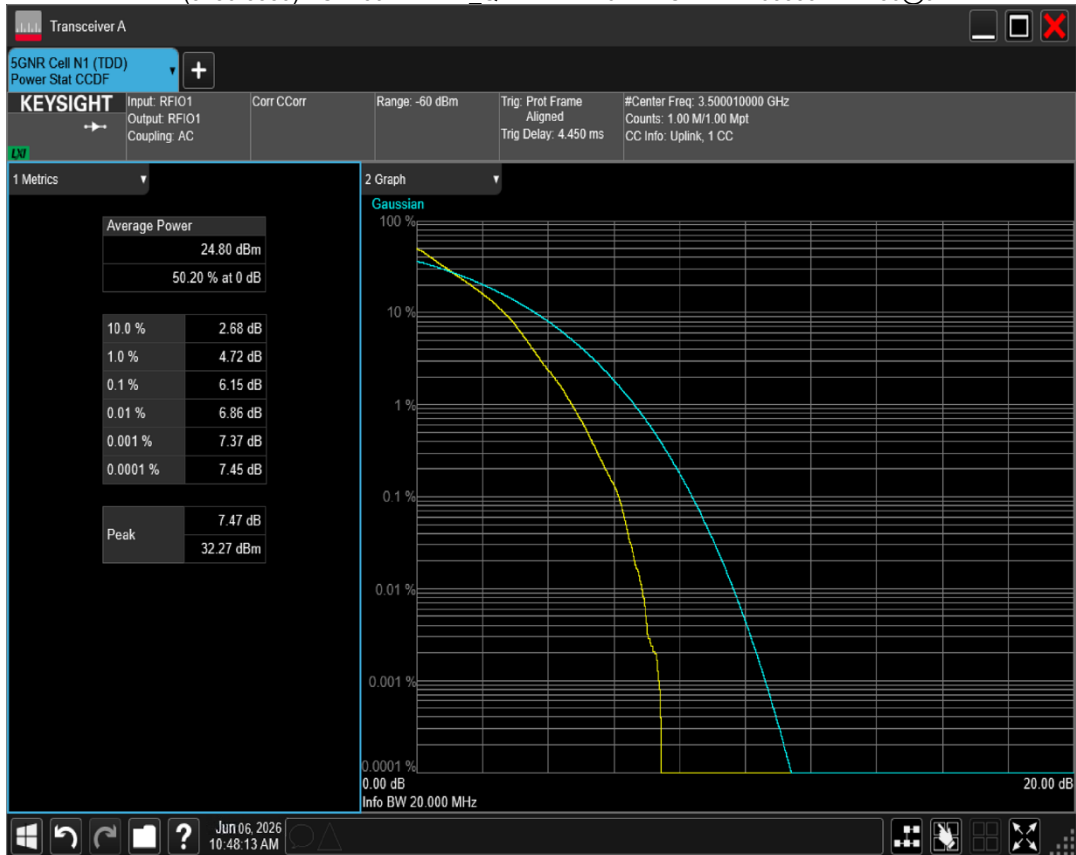
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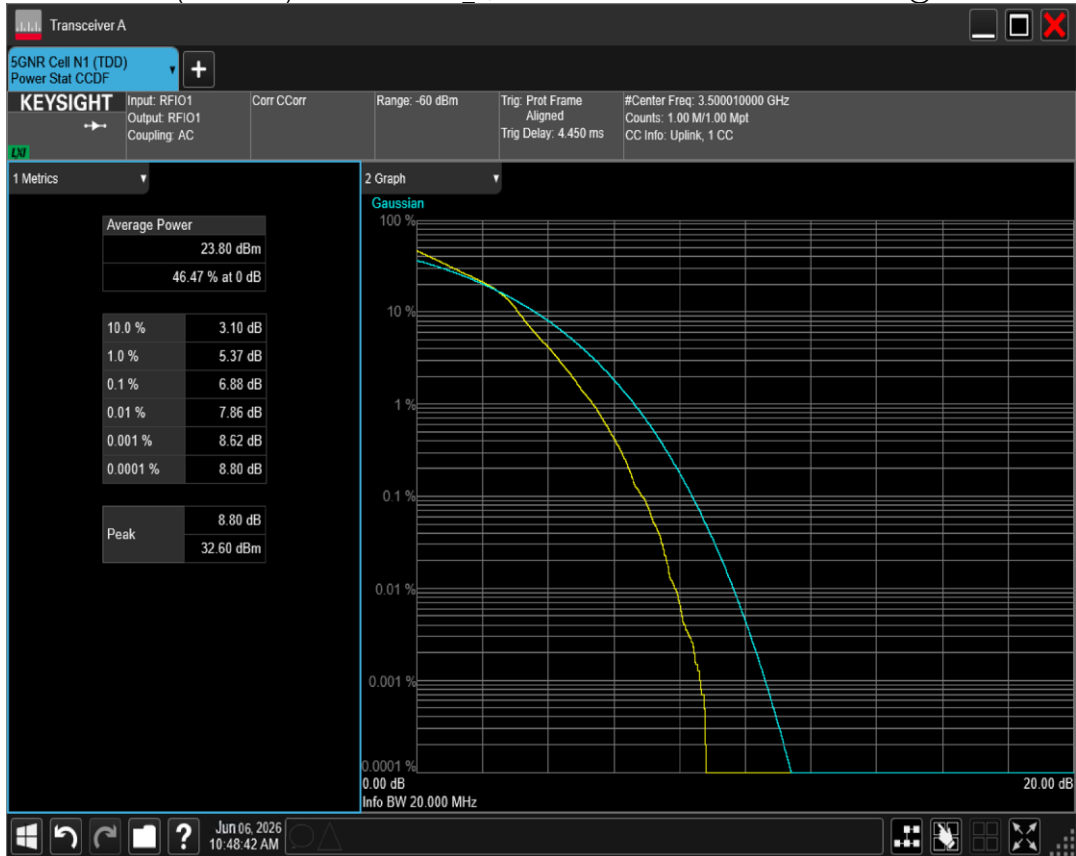
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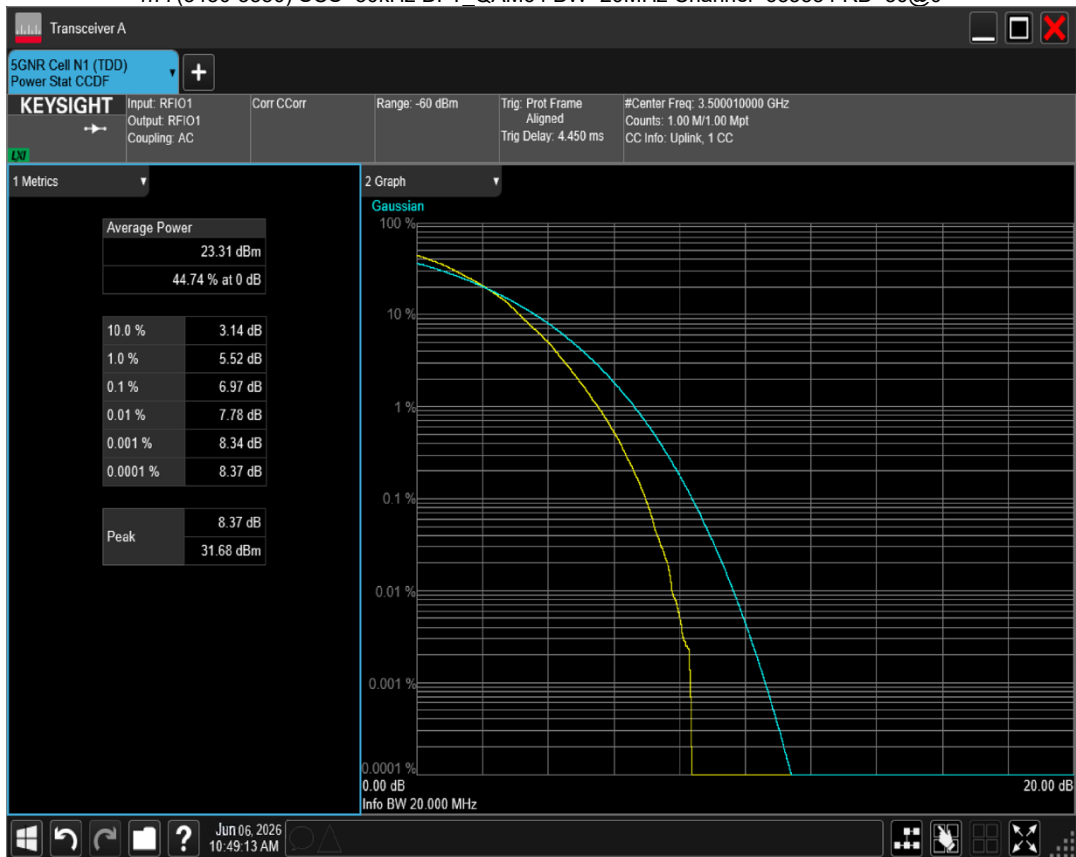
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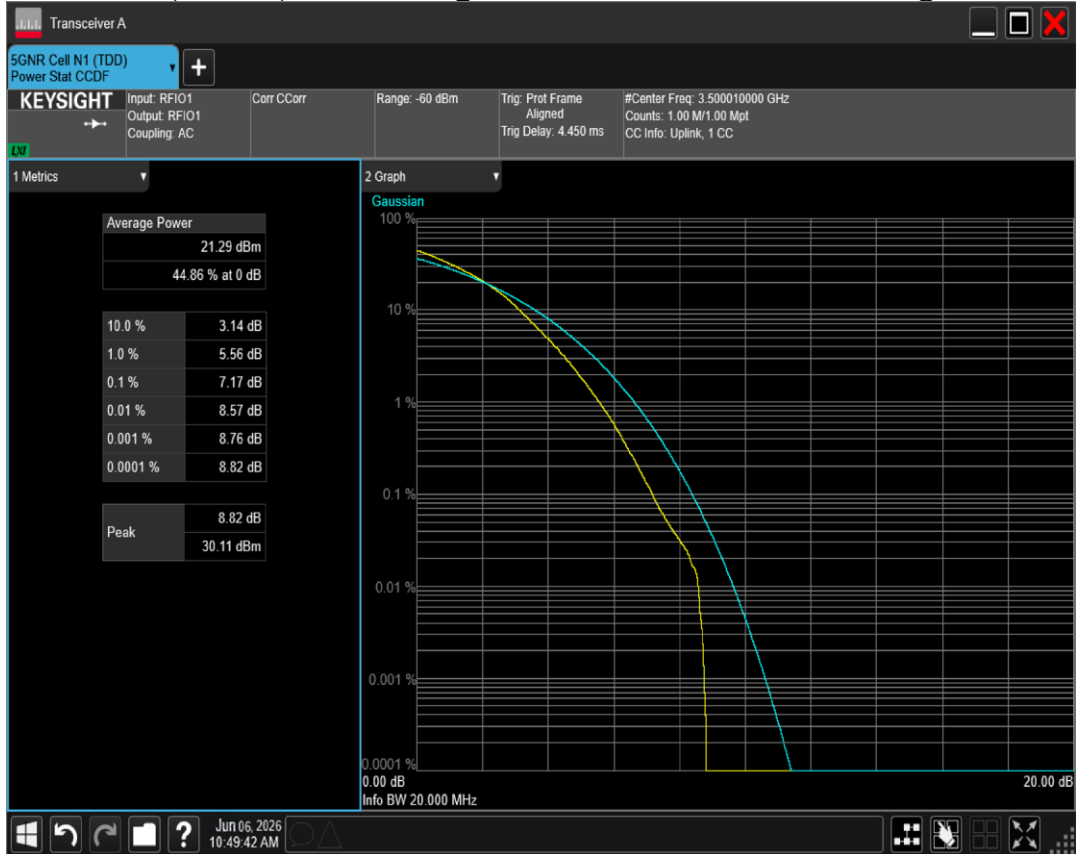
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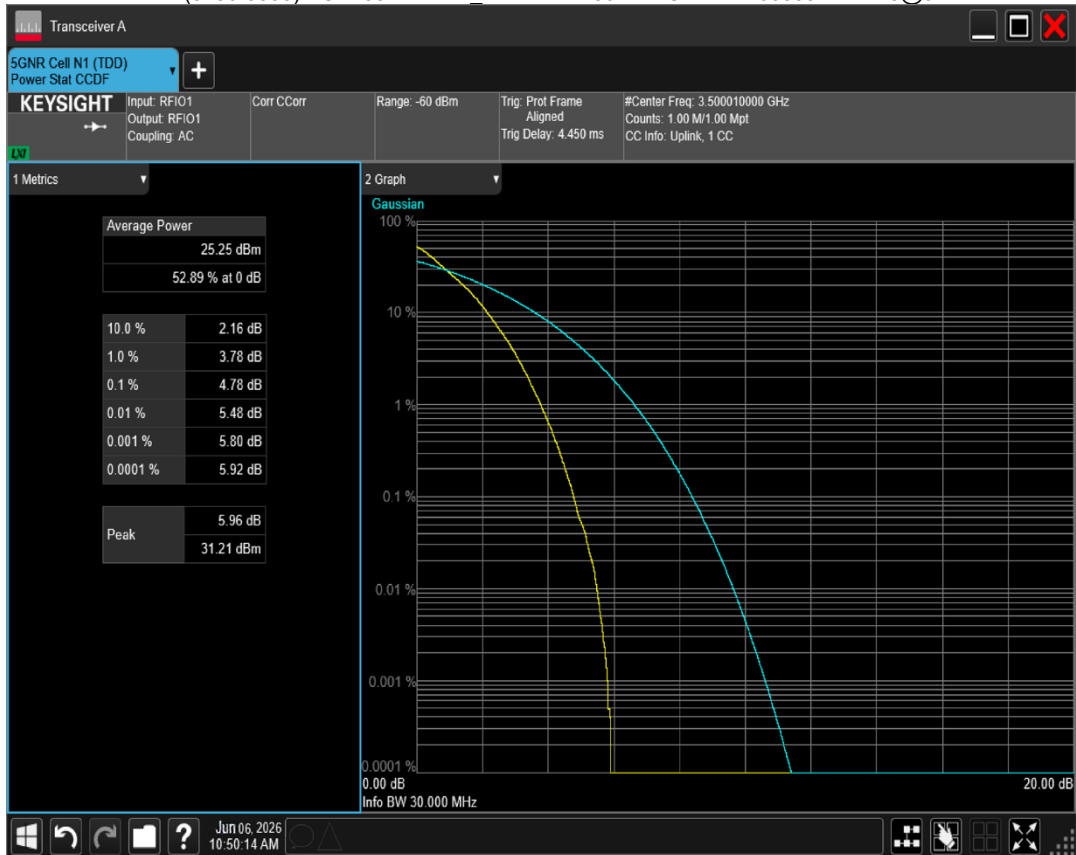
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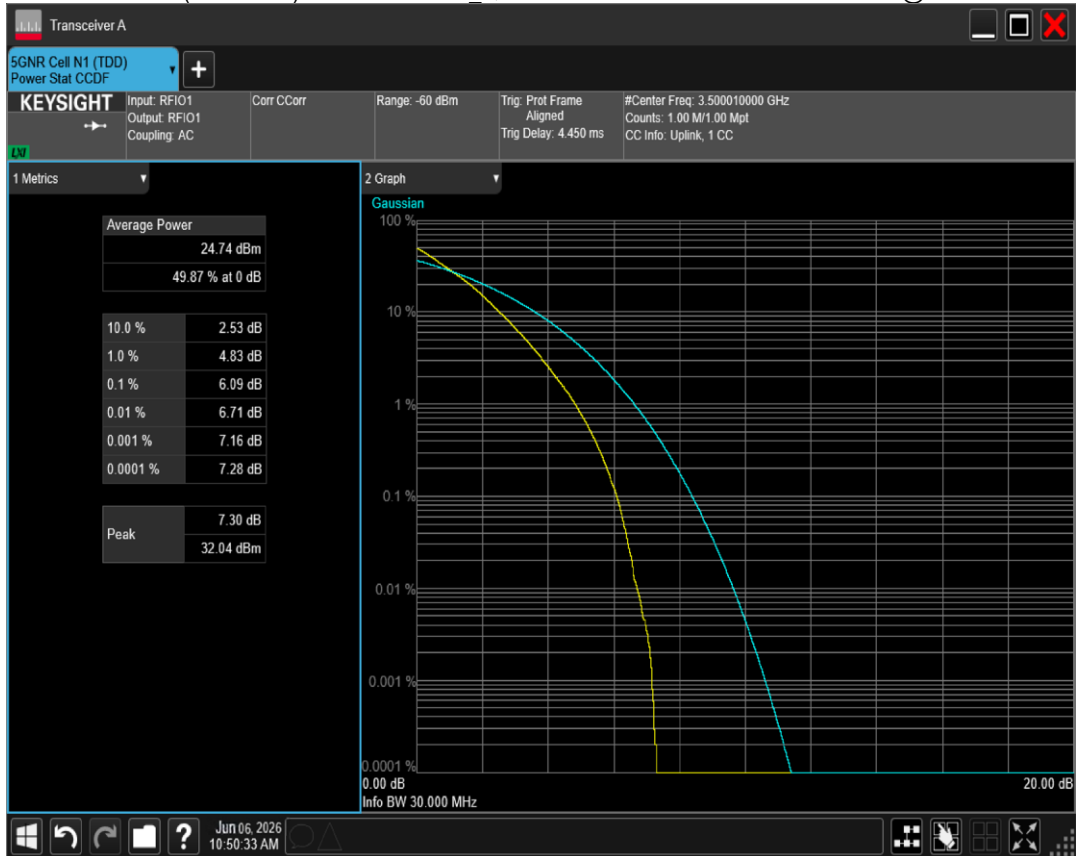
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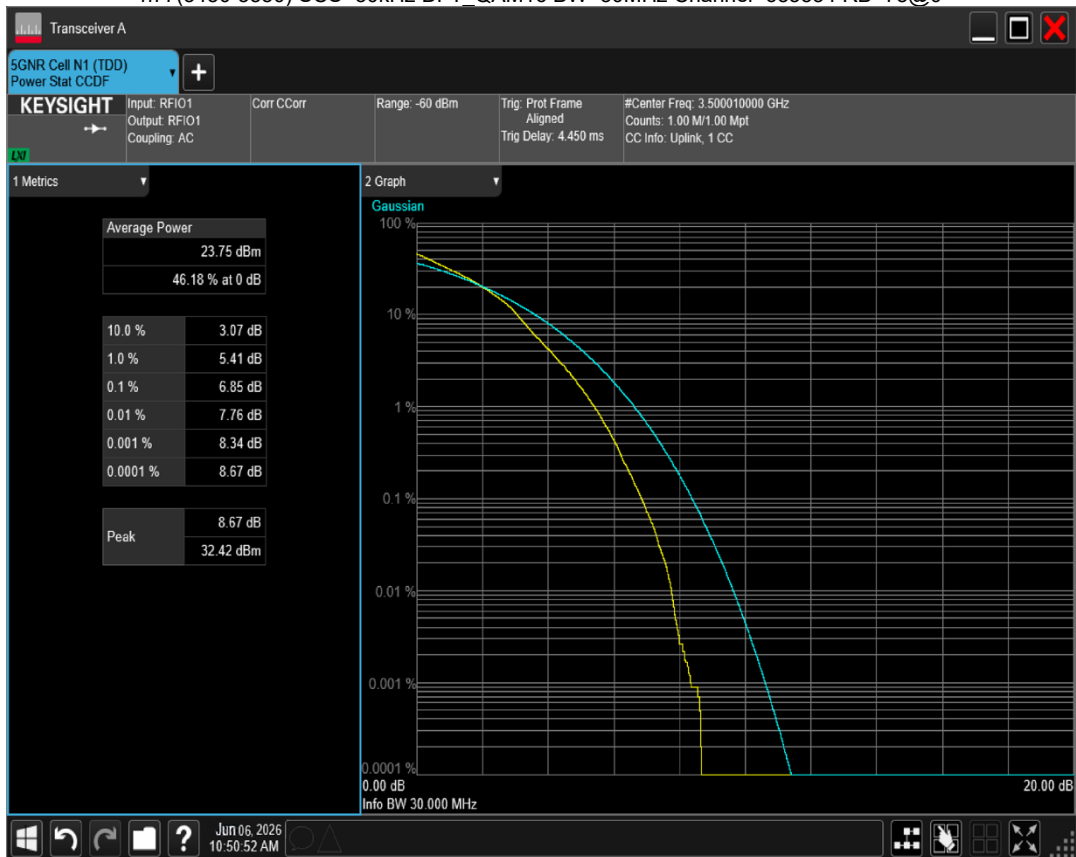
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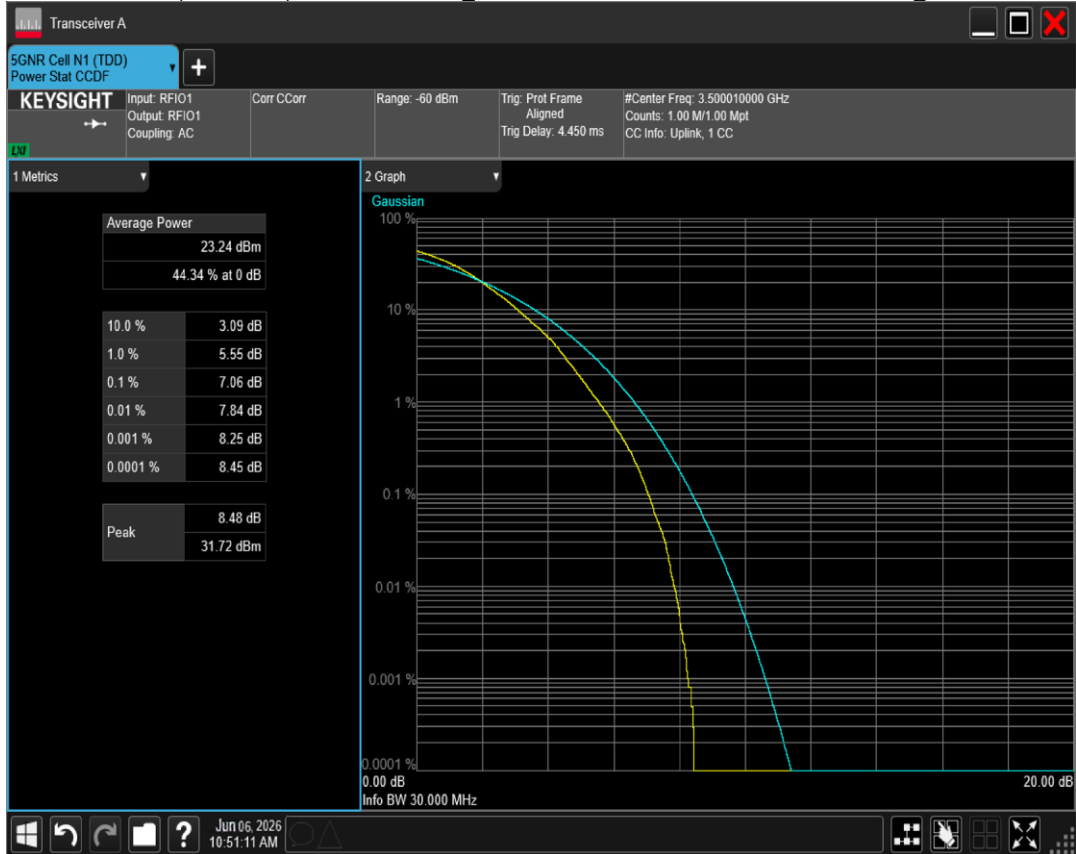
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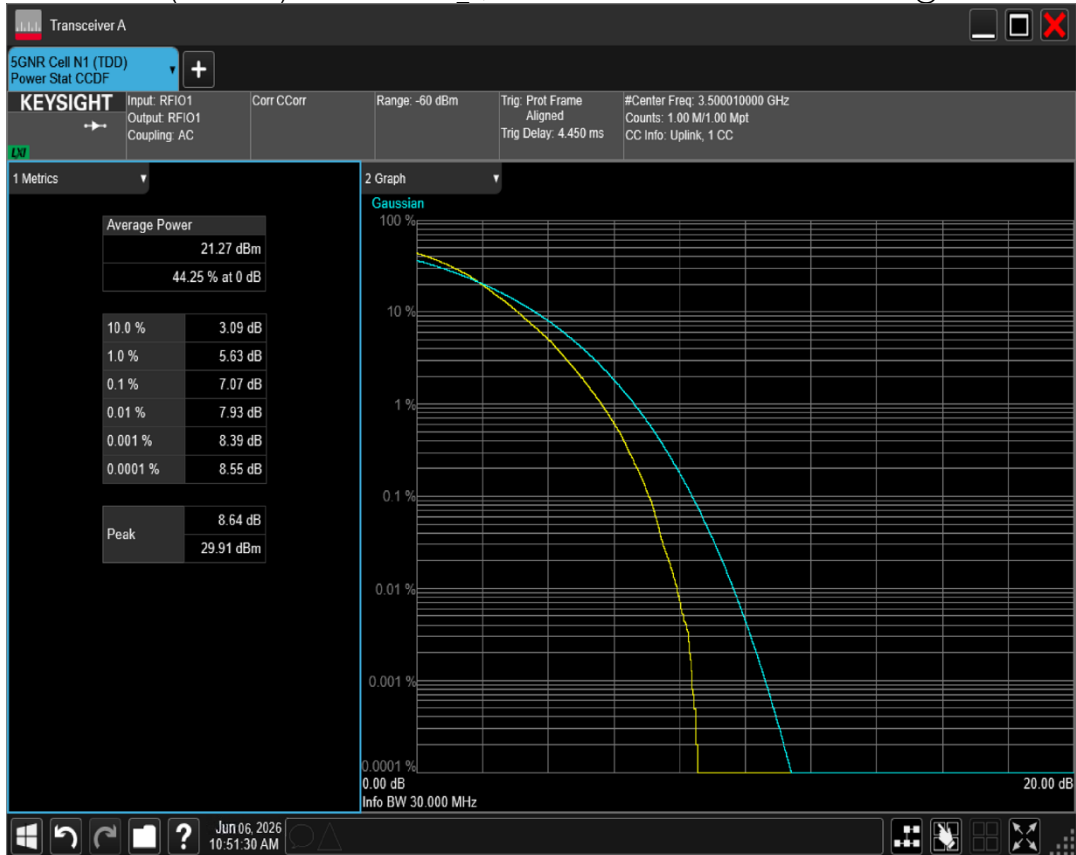
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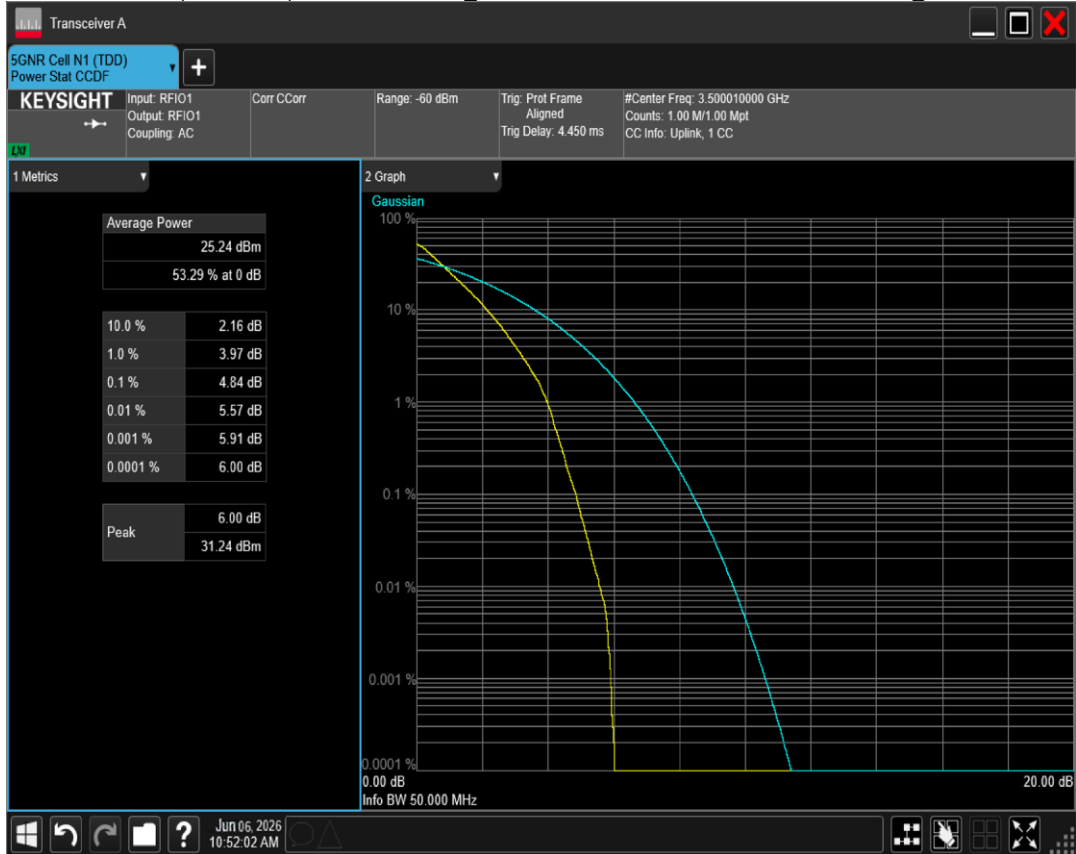
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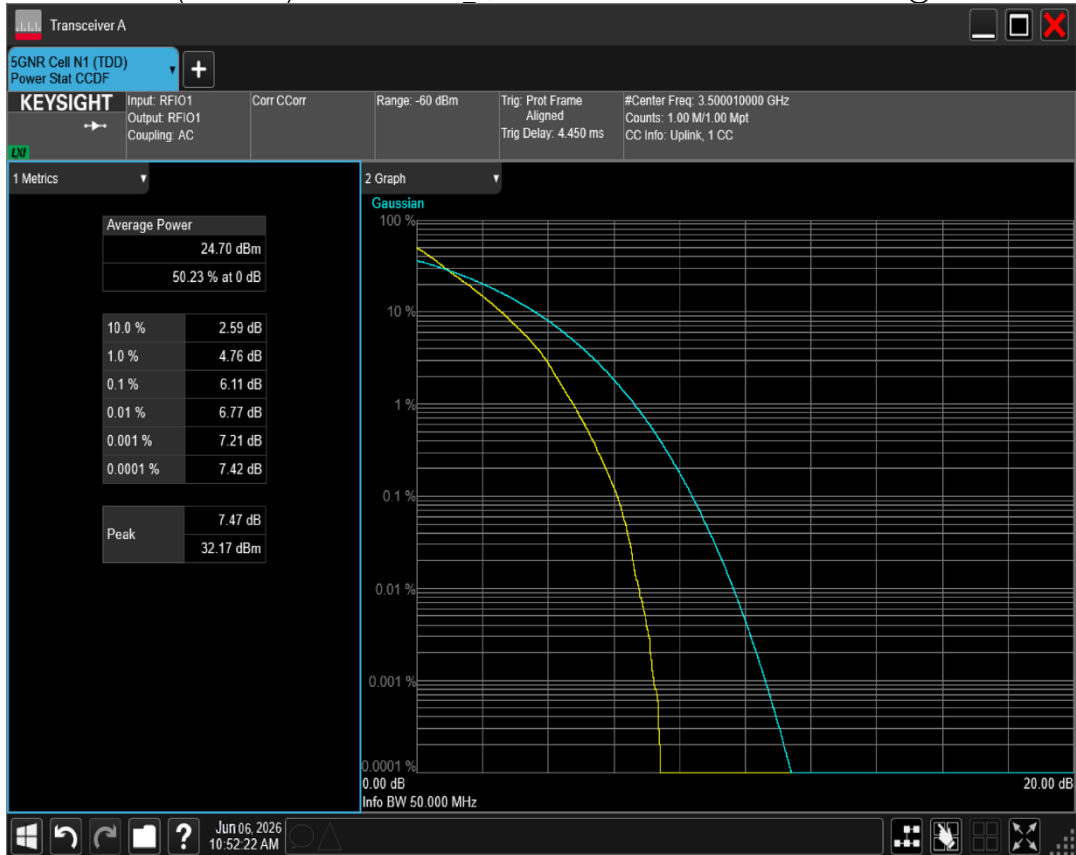
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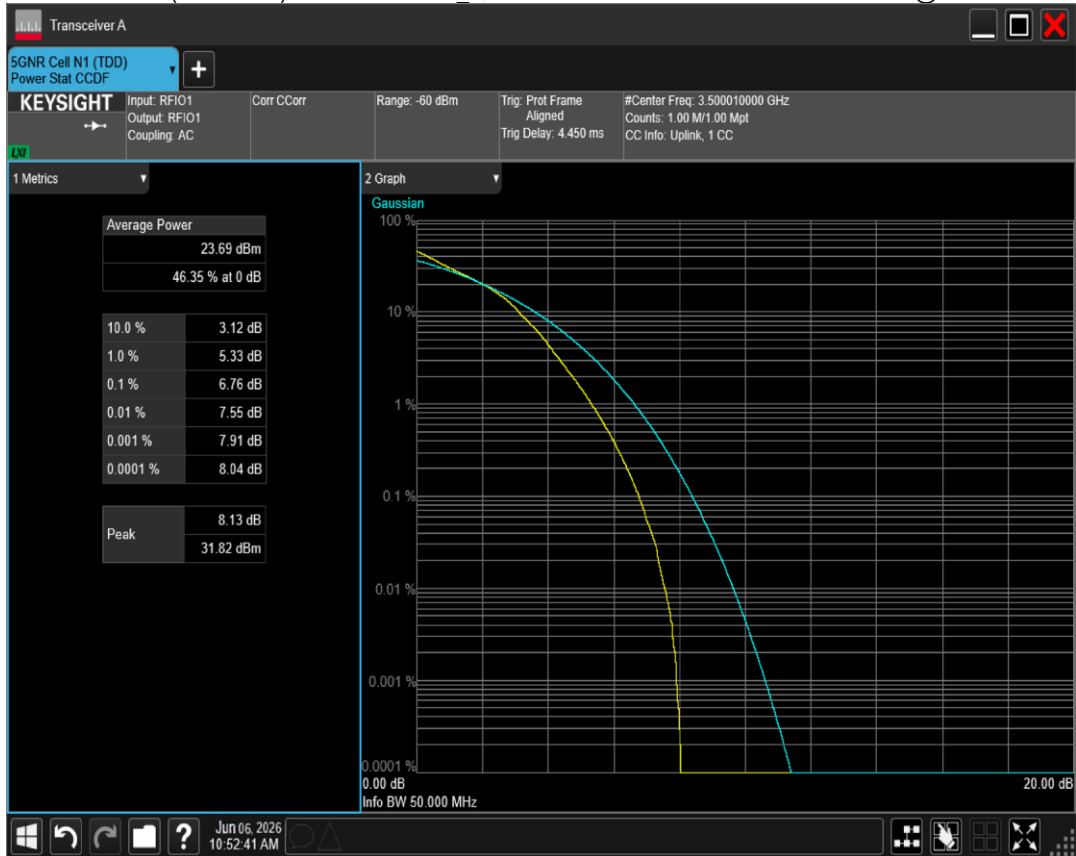
n77(3450-3550) SCS=30kHz DFT_BPSK BW=40MHz Channel=633334 RB=100@0



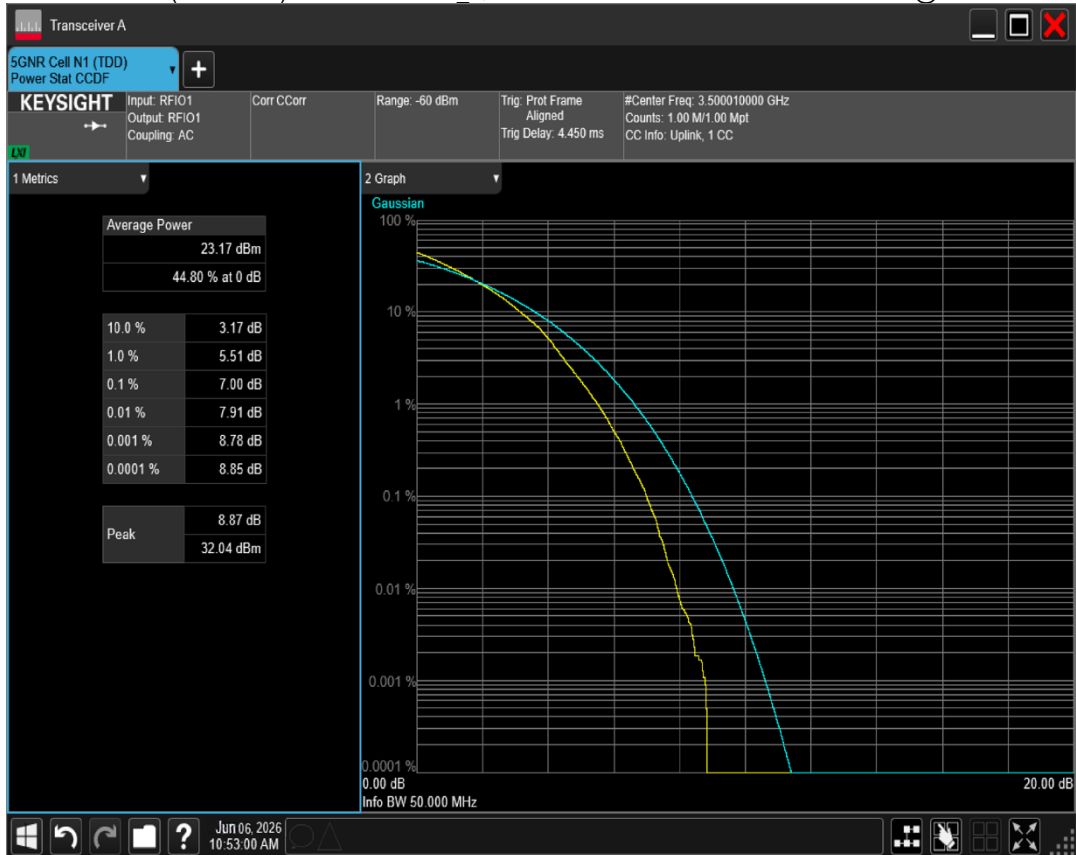
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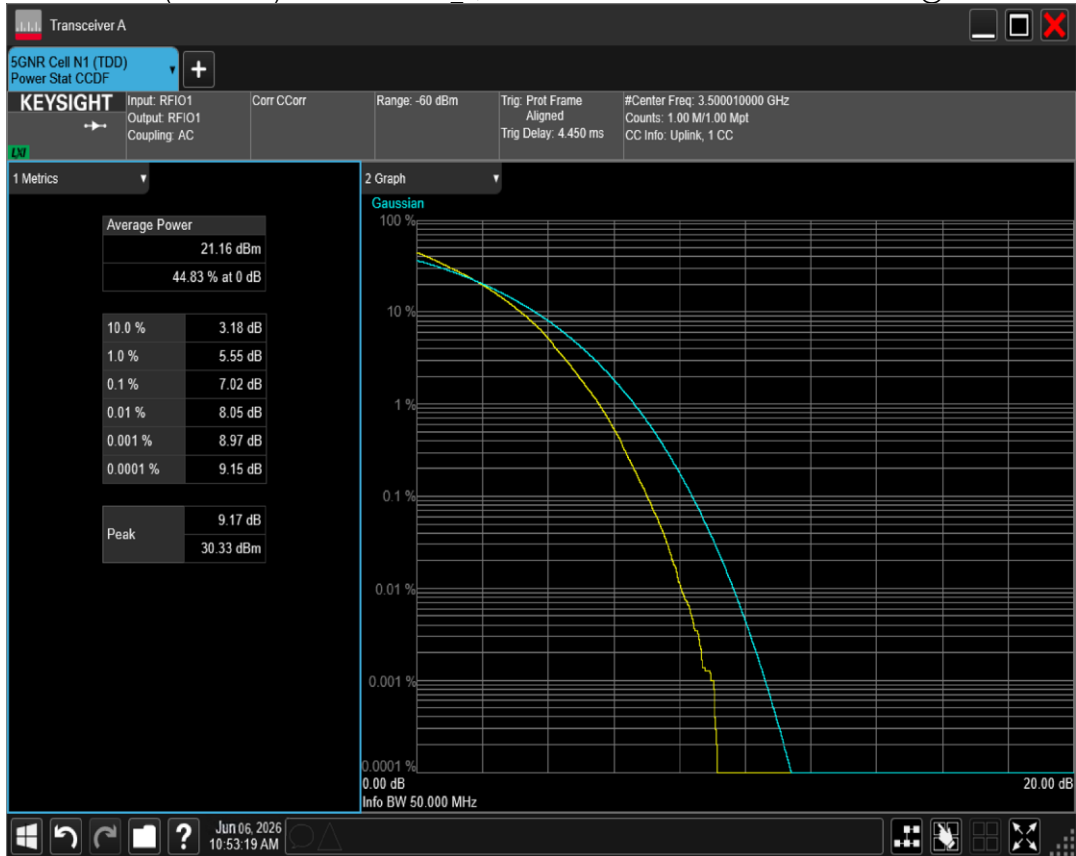
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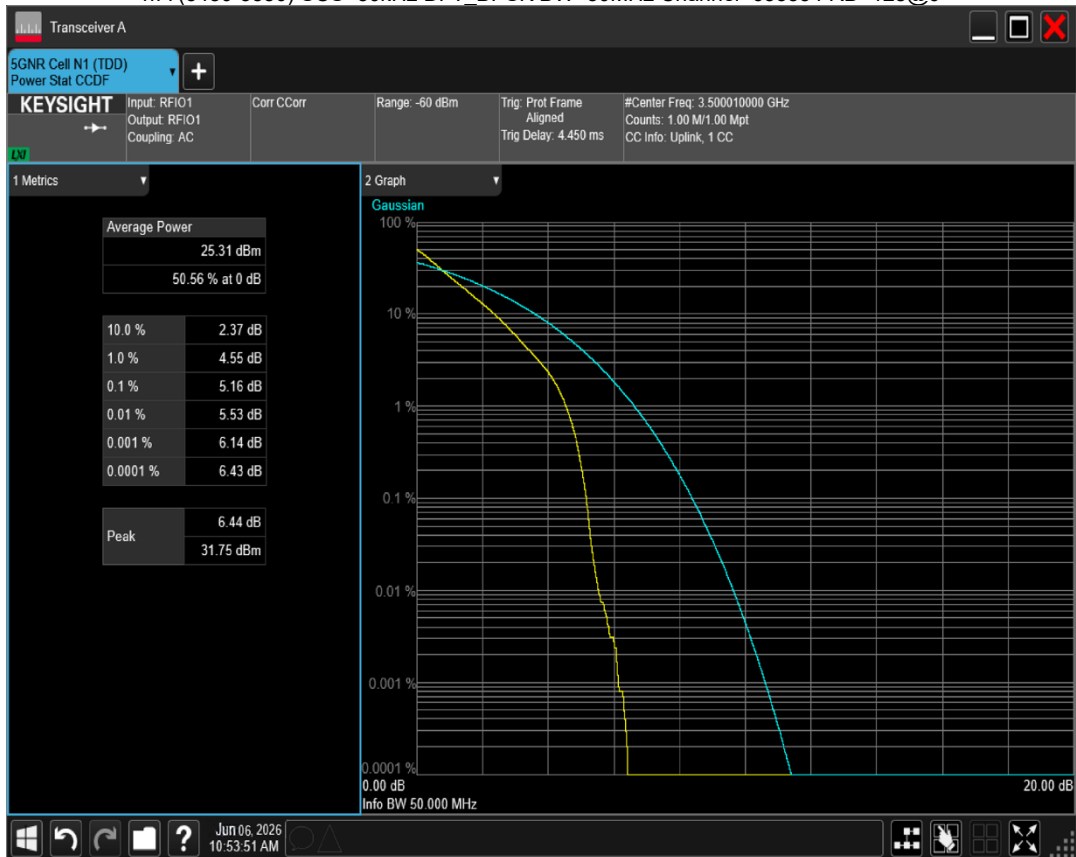
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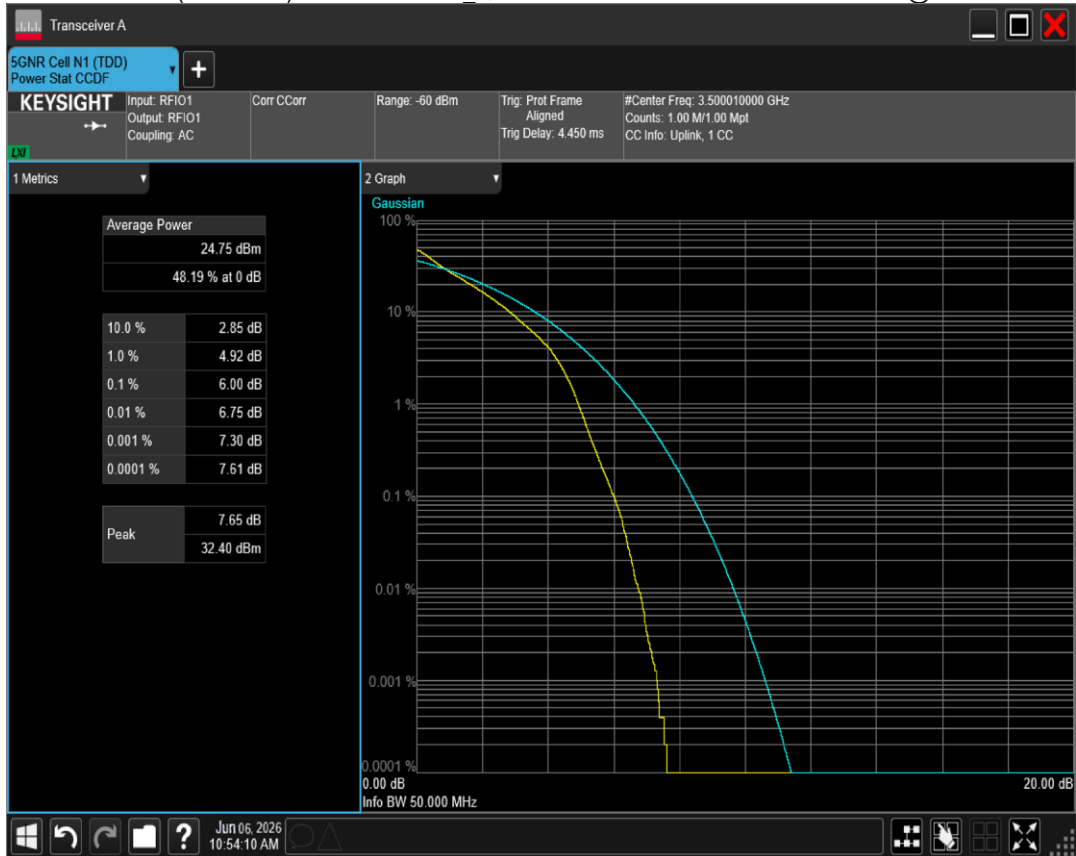
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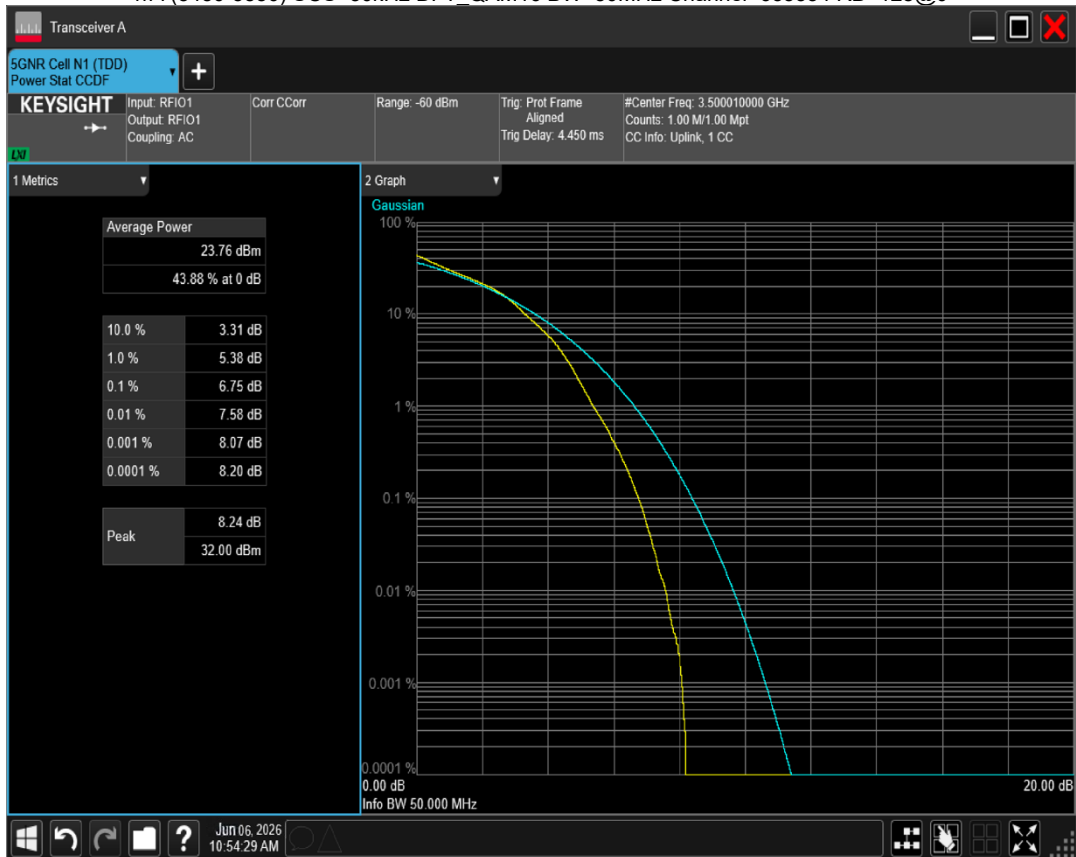
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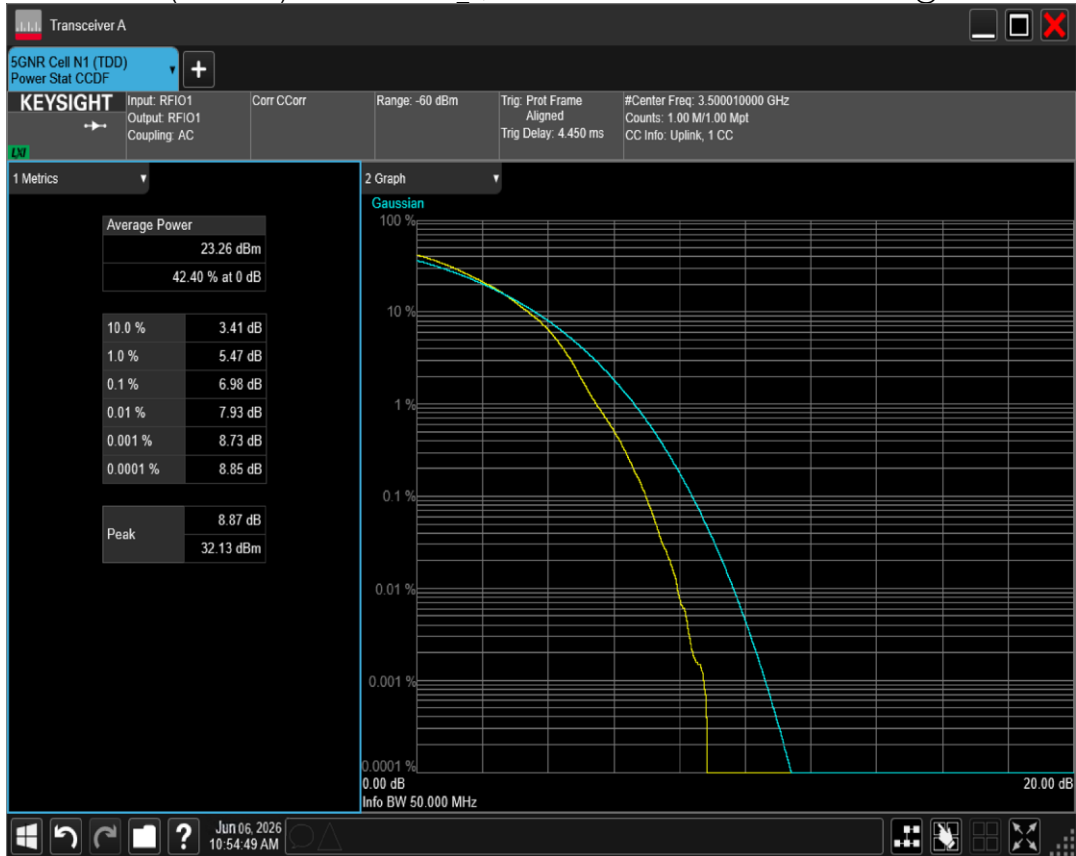
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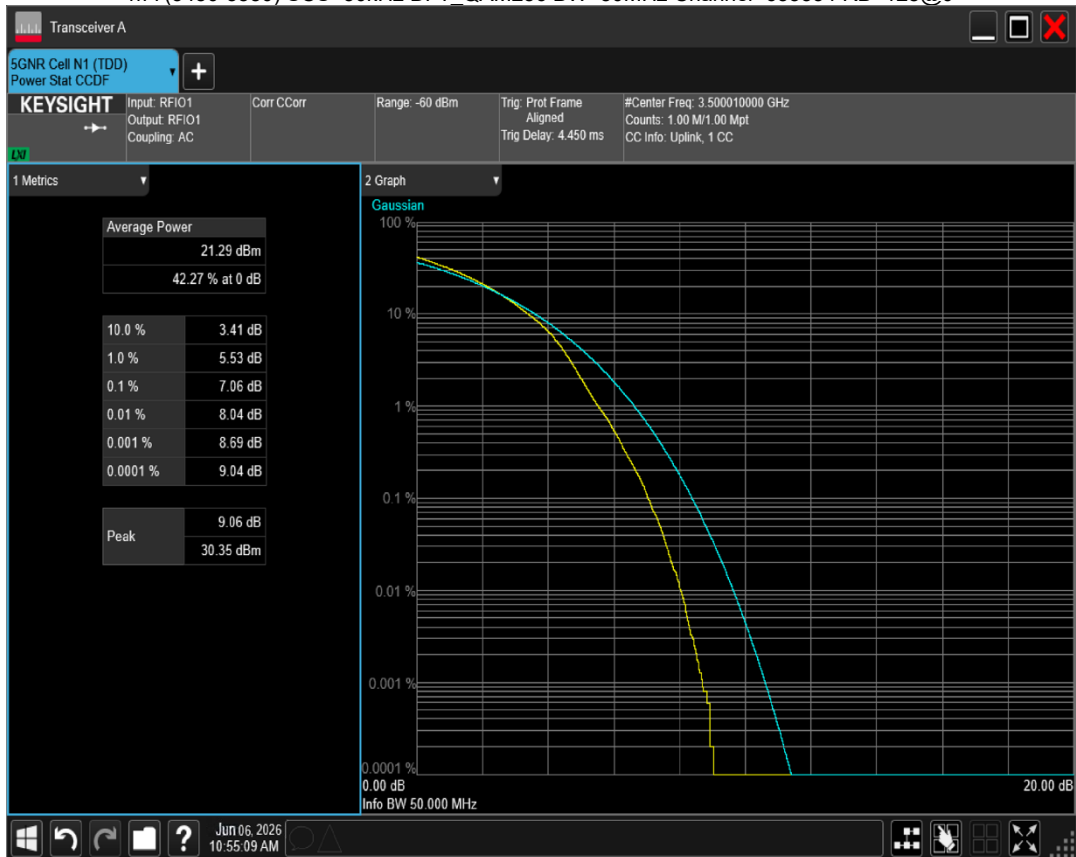
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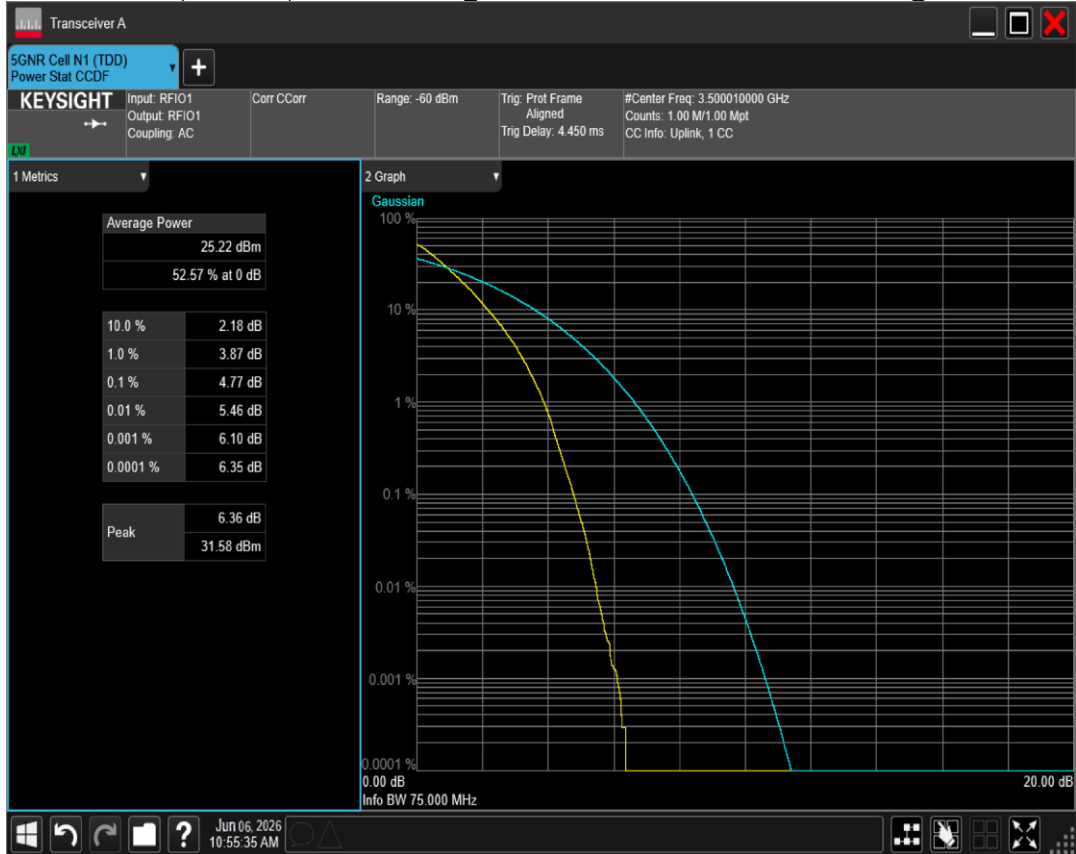
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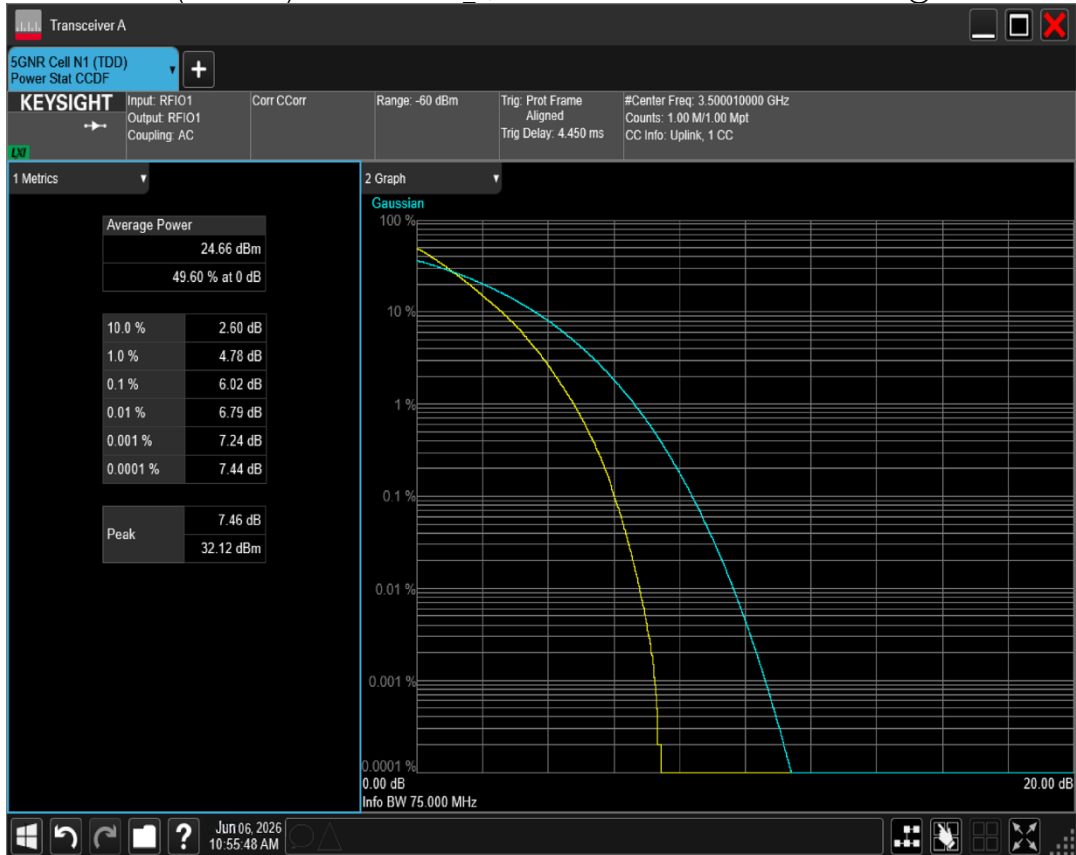
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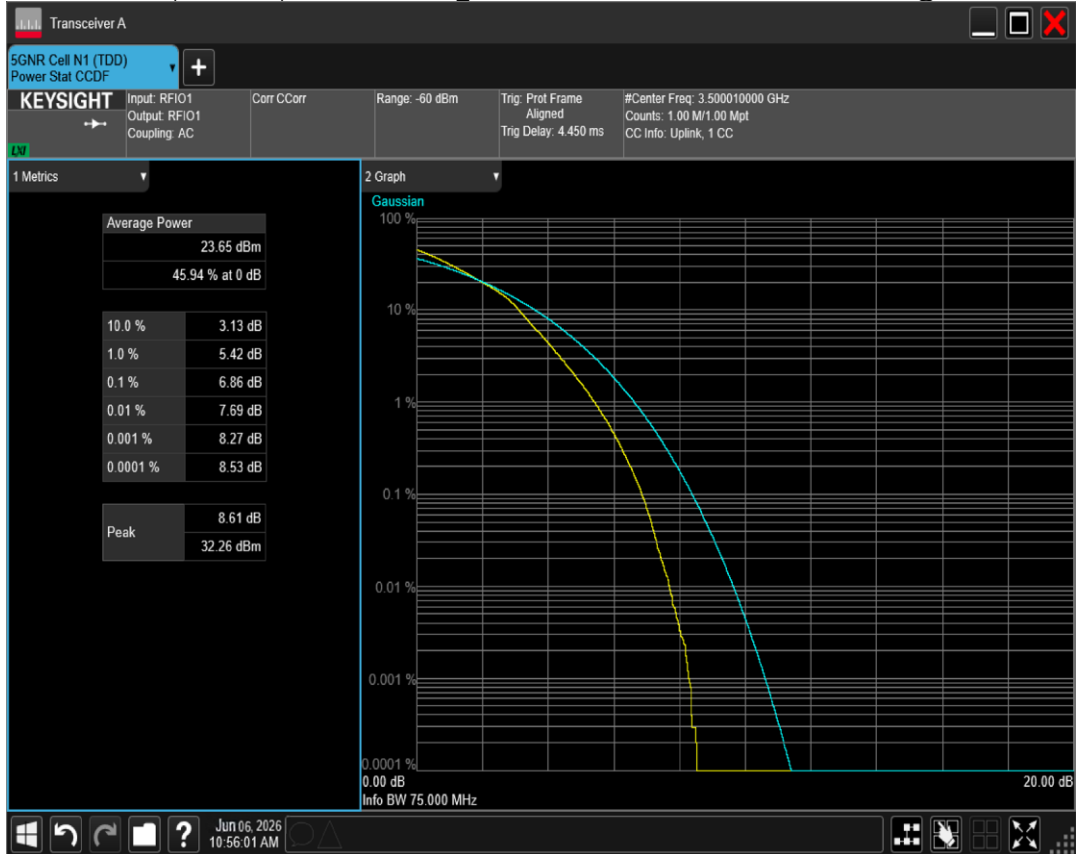
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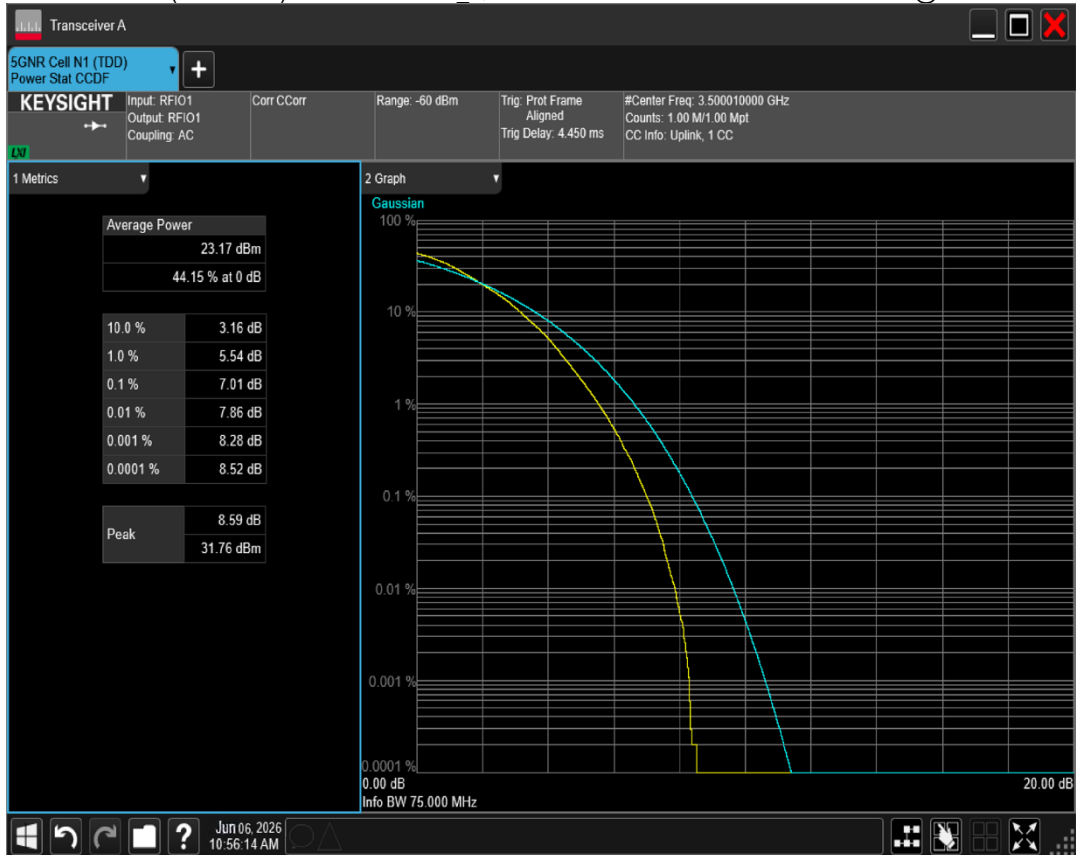
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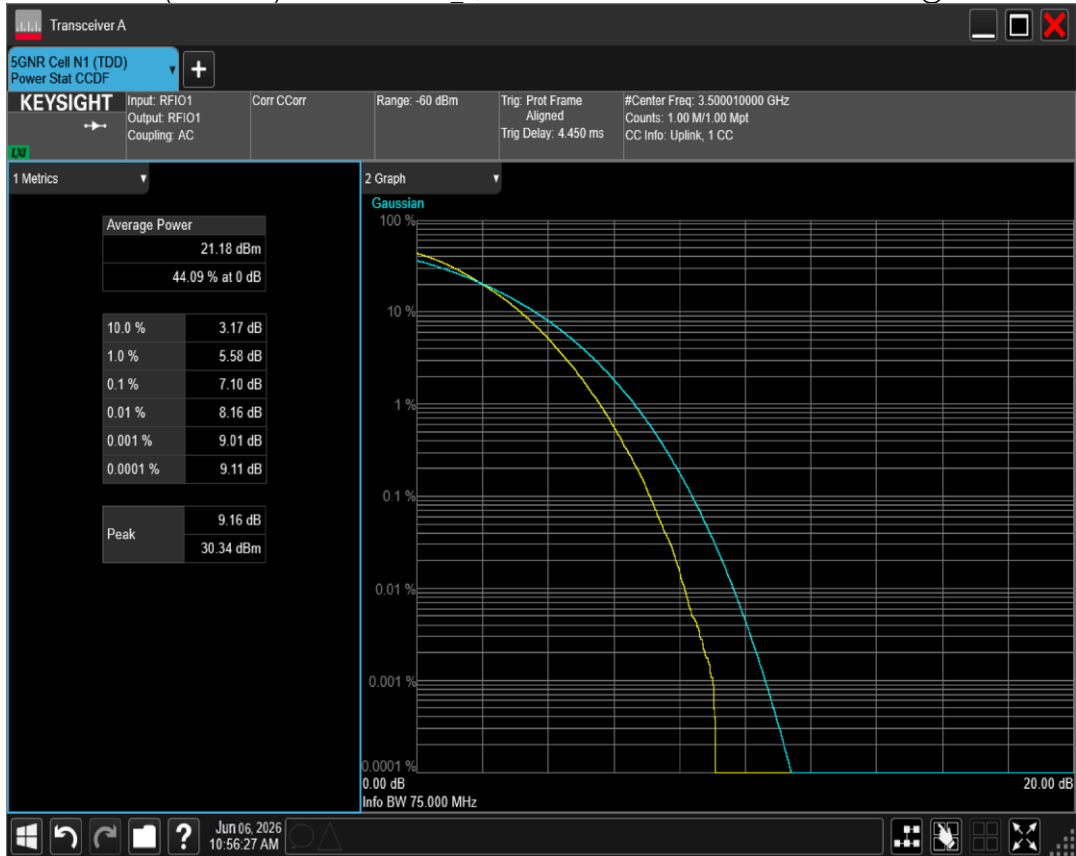
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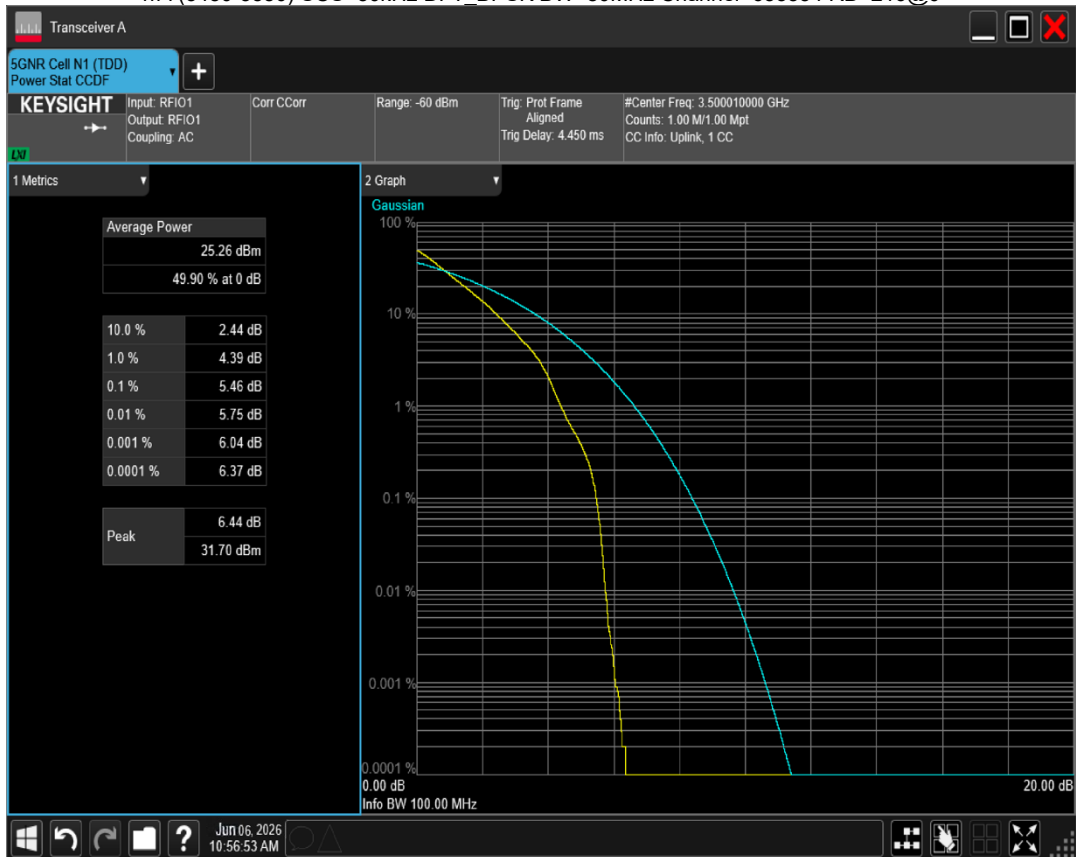
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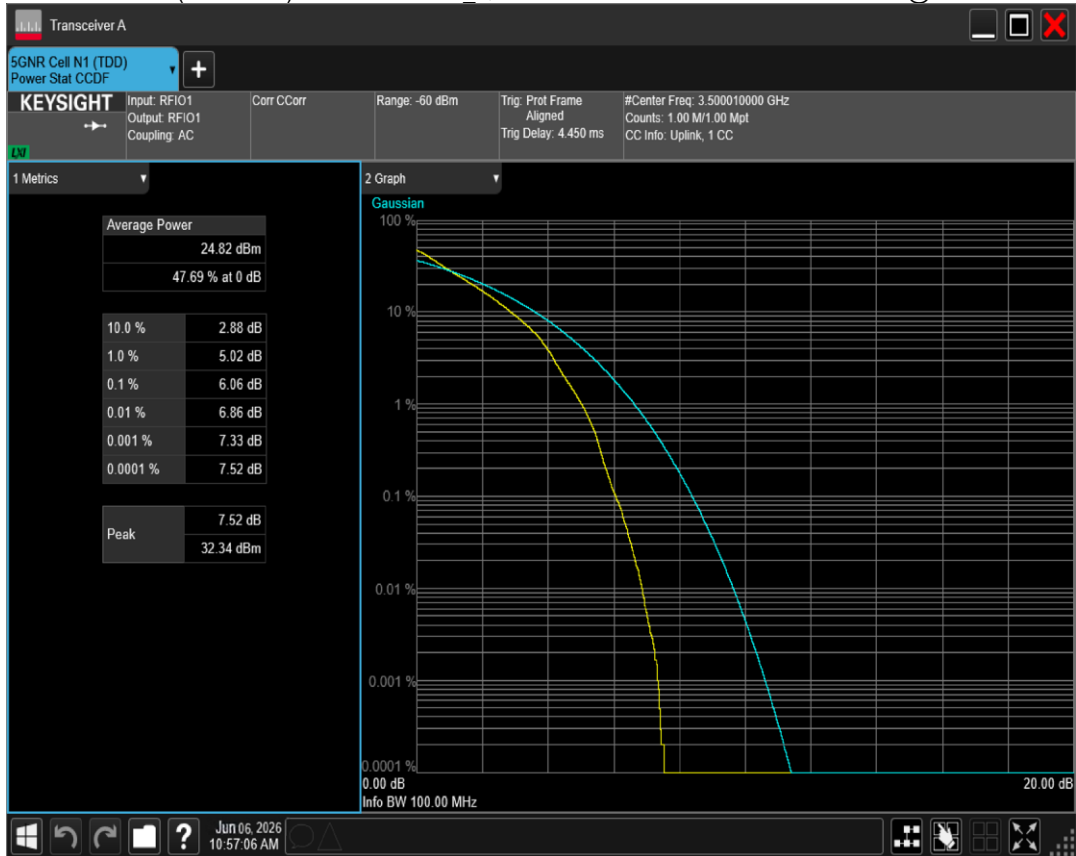
n77(3450-3550) SCS=30kHz DFT_QAM256 BW=60MHz Channel=633334 RB=162@0



n77(3450-3550) SCS=30kHz DFT_BPSK BW=80MHz Channel=633334 RB=216@0



n77(3450-3550) SCS=30kHz DFT_QPSK BW=80MHz Channel=633334 RB=216@0



n77(3450-3550) SCS=30kHz DFT_QAM16 BW=80MHz Channel=633334 RB=216@0

