Appendix A: Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Gain (dBi)	ERP (dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	21.12	-0.69	18.28	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	21.11	-0.69	18.27	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	21.16	-0.69	18.32	PASS
Band5	1.4MHz	QPSK	20407	3RB#0	21.16	-0.69	18.32	PASS
Band5	1.4MHz	QPSK	20407	3RB#1	21.17	-0.69	18.33	PASS
Band5	1.4MHz	QPSK	20407	3RB#3	21.23	-0.69	18.39	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	21.28	-0.69	18.44	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	21.93	-0.69	19.09	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	21.10	-0.69	18.26	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	21.12	-0.69	18.28	PASS
Band5	1.4MHz	QPSK	20525	3RB#0	21.08	-0.69	18.24	PASS
Band5	1.4MHz	QPSK	20525	3RB#1	21.07	-0.69	18.23	PASS
Band5	1.4MHz	QPSK	20525	3RB#3	21.18	-0.69	18.34	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	21.14	-0.69	18.30	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	23.27	-0.69	20.43	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	23.60	-0.69	20.76	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	23.85	-0.69	21.01	PASS
Band5	1.4MHz	QPSK	20643	3RB#0	23.36	-0.69	20.52	PASS
Band5	1.4MHz	QPSK	20643	3RB#1	23.34	-0.69	20.50	PASS
Band5	1.4MHz	QPSK	20643	3RB#3	23.43	-0.69	20.59	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	22.61	-0.69	19.77	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	21.20	-0.69	18.36	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	21.25	-0.69	18.41	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	21.23	-0.69	18.39	PASS
Band5	1.4MHz	16QAM	20407	3RB#0	21.09	-0.69	18.25	PASS
Band5	1.4MHz	16QAM	20407	3RB#1	21.09	-0.69	18.25	PASS
Band5	1.4MHz	16QAM	20407	3RB#3	21.05	-0.69	18.21	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	21.12	-0.69	18.28	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	21.90	-0.69	19.06	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	21.98	-0.69	19.14	PASS

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Band5	1.4MHz	16QAM	20525	1RB#5	21.00	-0.69	18.16	PASS
Band5	1.4MHz	16QAM	20525	3RB#0	21.90	-0.69	19.06	PASS
Band5	1.4MHz	16QAM	20525	3RB#1	21.94	-0.69	19.10	PASS
Band5	1.4MHz	16QAM	20525	3RB#3	21.01	-0.69	18.17	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	21.22	-0.69	18.38	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	22.22	-0.69	19.38	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	22.41	-0.69	19.57	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	22.46	-0.69	19.62	PASS
Band5	1.4MHz	16QAM	20643	3RB#0	22.18	-0.69	19.34	PASS
Band5	1.4MHz	16QAM	20643	3RB#1	22.17	-0.69	19.33	PASS
Band5	1.4MHz	16QAM	20643	3RB#3	22.22	-0.69	19.38	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	21.47	-0.69	18.63	PASS
Band5	3MHz	QPSK	20415	1RB#0	21.90	-0.69	19.06	PASS
Band5	3MHz	QPSK	20415	1RB#8	21.13	-0.69	18.29	PASS
Band5	3MHz	QPSK	20415	1RB#14	21.04	-0.69	18.20	PASS
Band5	3MHz	QPSK	20415	8RB#0	21.15	-0.69	18.31	PASS
Band5	3MHz	QPSK	20415	8RB#4	21.17	-0.69	18.33	PASS
Band5	3MHz	QPSK	20415	8RB#7	21.26	-0.69	18.42	PASS
Band5	3MHz	QPSK	20415	15RB#0	21.17	-0.69	18.33	PASS
Band5	3MHz	QPSK	20525	1RB#0	21.70	-0.69	18.86	PASS
Band5	3MHz	QPSK	20525	1RB#8	21.99	-0.69	19.15	PASS
Band5	3MHz	QPSK	20525	1RB#14	21.02	-0.69	18.18	PASS
Band5	3MHz	QPSK	20525	8RB#0	21.05	-0.69	18.21	PASS
Band5	3MHz	QPSK	20525	8RB#4	21.96	-0.69	19.12	PASS
Band5	3MHz	QPSK	20525	8RB#7	21.13	-0.69	18.29	PASS
Band5	3MHz	QPSK	20525	15RB#0	21.07	-0.69	18.23	PASS
Band5	3MHz	QPSK	20635	1RB#0	22.67	-0.69	19.83	PASS
Band5	3MHz	QPSK	20635	1RB#8	23.14	-0.69	20.30	PASS
Band5	3MHz	QPSK	20635	1RB#14	23.54	-0.69	20.70	PASS
Band5	3MHz	QPSK	20635	8RB#0	22.08	-0.69	19.24	PASS
Band5	3MHz	QPSK	20635	8RB#4	22.15	-0.69	19.31	PASS
Band5	3MHz	QPSK	20635	8RB#7	22.42	-0.69	19.58	PASS
Band5	3MHz	QPSK	20635	15RB#0	22.15	-0.69	19.31	PASS
Band5	3MHz	16QAM	20415	1RB#0	21.08	-0.69	18.24	PASS
Band5	3MHz	16QAM	20415	1RB#8	21.22	-0.69	18.38	PASS
Band5	3MHz	16QAM	20415	1RB#14	21.10	-0.69	18.26	PASS

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Band5	3MHz	16QAM	20415	8RB#0	21.20	-0.69	18.36	PASS
Band5	3MHz	16QAM	20415	8RB#4	21.21	-0.69	18.37	PASS
Band5	3MHz	16QAM	20415	8RB#7	21.25	-0.69	18.41	PASS
Band5	3MHz	16QAM	20415	15RB#0	21.15	-0.69	18.31	PASS
Band5	3MHz	16QAM	20525	1RB#0	21.89	-0.69	19.05	PASS
Band5	3MHz	16QAM	20525	1RB#8	21.14	-0.69	18.30	PASS
Band5	3MHz	16QAM	20525	1RB#14	21.17	-0.69	18.33	PASS
Band5	3MHz	16QAM	20525	8RB#0	21.08	-0.69	18.24	PASS
Band5	3MHz	16QAM	20525	8RB#4	21.01	-0.69	18.17	PASS
Band5	3MHz	16QAM	20525	8RB#7	21.18	-0.69	18.34	PASS
Band5	3MHz	16QAM	20525	15RB#0	21.04	-0.69	18.20	PASS
Band5	3MHz	16QAM	20635	1RB#0	21.46	-0.69	18.62	PASS
Band5	3MHz	16QAM	20635	1RB#8	22.00	-0.69	19.16	PASS
Band5	3MHz	16QAM	20635	1RB#14	22.28	-0.69	19.44	PASS
Band5	3MHz	16QAM	20635	8RB#0	21.06	-0.69	18.22	PASS
Band5	3MHz	16QAM	20635	8RB#4	21.06	-0.69	18.22	PASS
Band5	3MHz	16QAM	20635	8RB#7	21.32	-0.69	18.48	PASS
Band5	3MHz	16QAM	20635	15RB#0	21.10	-0.69	18.26	PASS
Band5	5MHz	QPSK	20425	1RB#0	21.23	-0.69	18.39	PASS
Band5	5MHz	QPSK	20425	1RB#12	21.46	-0.69	18.62	PASS
Band5	5MHz	QPSK	20425	1RB#24	21.40	-0.69	18.56	PASS
Band5	5MHz	QPSK	20425	12RB#0	21.18	-0.69	18.34	PASS
Band5	5MHz	QPSK	20425	12RB#6	21.21	-0.69	18.37	PASS
Band5	5MHz	QPSK	20425	12RB#13	21.32	-0.69	18.48	PASS
Band5	5MHz	QPSK	20425	25RB#0	21.30	-0.69	18.46	PASS
Band5	5MHz	QPSK	20525	1RB#0	21.90	-0.69	19.06	PASS
Band5	5MHz	QPSK	20525	1RB#12	21.39	-0.69	18.55	PASS
Band5	5MHz	QPSK	20525	1RB#24	21.51	-0.69	18.67	PASS
Band5	5MHz	QPSK	20525	12RB#0	21.05	-0.69	18.21	PASS
Band5	5MHz	QPSK	20525	12RB#6	21.09	-0.69	18.25	PASS
Band5	5MHz	QPSK	20525	12RB#13	21.28	-0.69	18.44	PASS
Band5	5MHz	QPSK	20525	25RB#0	21.20	-0.69	18.36	PASS
Band5	5MHz	QPSK	20625	1RB#0	22.51	-0.69	19.67	PASS
Band5	5MHz	QPSK	20625	1RB#12	23.22	-0.69	20.38	PASS
Band5	5MHz	QPSK	20625	1RB#24	23.70	-0.69	20.86	PASS
Band5	5MHz	QPSK	20625	12RB#0	21.79	-0.69	18.95	PASS

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Band5	5MHz	QPSK	20625	12RB#6	21.76	-0.69	18.92	PASS
Band5	5MHz	QPSK	20625	12RB#13	22.11	-0.69	19.27	PASS
Band5	5MHz	QPSK	20625	25RB#0	21.95	-0.69	19.11	PASS
Band5	5MHz	16QAM	20425	1RB#0	21.19	-0.69	18.35	PASS
Band5	5MHz	16QAM	20425	1RB#12	21.39	-0.69	18.55	PASS
Band5	5MHz	16QAM	20425	1RB#24	21.32	-0.69	18.48	PASS
Band5	5MHz	16QAM	20425	12RB#0	21.18	-0.69	18.34	PASS
Band5	5MHz	16QAM	20425	12RB#6	21.17	-0.69	18.33	PASS
Band5	5MHz	16QAM	20425	12RB#13	21.34	-0.69	18.50	PASS
Band5	5MHz	16QAM	20425	25RB#0	21.36	-0.69	18.52	PASS
Band5	5MHz	16QAM	20525	1RB#0	21.04	-0.69	18.20	PASS
Band5	5MHz	16QAM	20525	1RB#12	21.56	-0.69	18.72	PASS
Band5	5MHz	16QAM	20525	1RB#24	21.71	-0.69	18.87	PASS
Band5	5MHz	16QAM	20525	12RB#0	21.07	-0.69	18.23	PASS
Band5	5MHz	16QAM	20525	12RB#6	21.07	-0.69	18.23	PASS
Band5	5MHz	16QAM	20525	12RB#13	21.38	-0.69	18.54	PASS
Band5	5MHz	16QAM	20525	25RB#0	21.18	-0.69	18.34	PASS
Band5	5MHz	16QAM	20625	1RB#0	21.46	-0.69	18.62	PASS
Band5	5MHz	16QAM	20625	1RB#12	22.26	-0.69	19.42	PASS
Band5	5MHz	16QAM	20625	1RB#24	22.52	-0.69	19.68	PASS
Band5	5MHz	16QAM	20625	12RB#0	21.78	-0.69	18.94	PASS
Band5	5MHz	16QAM	20625	12RB#6	21.76	-0.69	18.92	PASS
Band5	5MHz	16QAM	20625	12RB#13	21.13	-0.69	18.29	PASS
Band5	5MHz	16QAM	20625	25RB#0	21.05	-0.69	18.21	PASS
Band5	10MHz	QPSK	20450	1RB#0	21.27	-0.69	18.43	PASS
Band5	10MHz	QPSK	20450	1RB#24	21.52	-0.69	18.68	PASS
Band5	10MHz	QPSK	20450	1RB#49	21.80	-0.69	18.96	PASS
Band5	10MHz	QPSK	20450	25RB#0	21.25	-0.69	18.41	PASS
Band5	10MHz	QPSK	20450	25RB#12	21.24	-0.69	18.40	PASS
Band5	10MHz	QPSK	20450	25RB#25	21.60	-0.69	18.76	PASS
Band5	10MHz	QPSK	20450	50RB#0	21.49	-0.69	18.65	PASS
Band5	10MHz	QPSK	20525	1RB#0	21.77	-0.69	18.93	PASS
Band5	10MHz	QPSK	20525	1RB#24	21.20	-0.69	18.36	PASS
Band5	10MHz	QPSK	20525	1RB#49	21.88	-0.69	19.04	PASS
Band5	10MHz	QPSK	20525	25RB#0	21.93	-0.69	19.09	PASS
Band5	10MHz	QPSK	20525	25RB#12	21.90	-0.69	19.06	PASS

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Band5	10MHz	QPSK	20525	25RB#25	21.51	-0.69	18.67	PASS
Band5	10MHz	QPSK	20525	50RB#0	21.27	-0.69	18.43	PASS
Band5	10MHz	QPSK	20600	1RB#0	21.70	-0.69	18.86	PASS
Band5	10MHz	QPSK	20600	1RB#24	22.52	-0.69	19.68	PASS
Band5	10MHz	QPSK	20600	1RB#49	23.60	-0.69	20.76	PASS
Band5	10MHz	QPSK	20600	25RB#0	21.07	-0.69	18.23	PASS
Band5	10MHz	QPSK	20600	25RB#12	20.94	-0.69	18.10	PASS
Band5	10MHz	QPSK	20600	25RB#25	21.74	-0.69	18.90	PASS
Band5	10MHz	QPSK	20600	50RB#0	21.41	-0.69	18.57	PASS
Band5	10MHz	16QAM	20450	1RB#0	21.40	-0.69	18.56	PASS
Band5	10MHz	16QAM	20450	1RB#24	21.62	-0.69	18.78	PASS
Band5	10MHz	16QAM	20450	1RB#49	21.96	-0.69	19.12	PASS
Band5	10MHz	16QAM	20450	25RB#0	21.20	-0.69	18.36	PASS
Band5	10MHz	16QAM	20450	25RB#12	21.25	-0.69	18.41	PASS
Band5	10MHz	16QAM	20450	25RB#25	21.70	-0.69	18.86	PASS
Band5	10MHz	16QAM	20450	50RB#0	21.44	-0.69	18.60	PASS
Band5	10MHz	16QAM	20525	1RB#0	21.87	-0.69	19.03	PASS
Band5	10MHz	16QAM	20525	1RB#24	21.36	-0.69	18.52	PASS
Band5	10MHz	16QAM	20525	1RB#49	21.01	-0.69	18.17	PASS
Band5	10MHz	16QAM	20525	25RB#0	21.98	-0.69	19.14	PASS
Band5	10MHz	16QAM	20525	25RB#12	21.95	-0.69	19.11	PASS
Band5	10MHz	16QAM	20525	25RB#25	21.49	-0.69	18.65	PASS
Band5	10MHz	16QAM	20525	50RB#0	21.25	-0.69	18.41	PASS
Band5	10MHz	16QAM	20600	1RB#0	21.59	-0.69	18.75	PASS
Band5	10MHz	16QAM	20600	1RB#24	21.39	-0.69	18.55	PASS
Band5	10MHz	16QAM	20600	1RB#49	22.44	-0.69	19.60	PASS
Band5	10MHz	16QAM	20600	25RB#0	21.05	-0.69	18.21	PASS
Band5	10MHz	16QAM	20600	25RB#12	21.08	-0.69	18.24	PASS
Band5	10MHz	16QAM	20600	25RB#25	21.80	-0.69	18.96	PASS
Band5	10MHz	16QAM	20600	50RB#0	21.41	-0.69	18.57	PASS

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Appendix B: Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	4.43	13	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	4.89	13	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	5.00	13	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	5.48	13	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	3.81	13	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	4.01	13	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	5.34	13	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	5.67	13	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	5.99	13	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	6.26	13	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	4.90	13	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	5.06	13	PASS
Band5	3MHz	QPSK	20415	1RB#0	4.47	13	PASS
Band5	3MHz	QPSK	20415	15RB#0	4.76	13	PASS
Band5	3MHz	QPSK	20525	1RB#0	4.88	13	PASS
Band5	3MHz	QPSK	20525	15RB#0	5.46	13	PASS
Band5	3MHz	QPSK	20635	1RB#0	4.72	13	PASS
Band5	3MHz	QPSK	20635	15RB#0	4.81	13	PASS
Band5	3MHz	16QAM	20415	1RB#0	5.28	13	PASS
Band5	3MHz	16QAM	20415	15RB#0	5.69	13	PASS
Band5	3MHz	16QAM	20525	1RB#0	5.90	13	PASS
Band5	3MHz	16QAM	20525	15RB#0	6.34	13	PASS
Band5	3MHz	16QAM	20635	1RB#0	5.56	13	PASS
Band5	3MHz	16QAM	20635	15RB#0	5.78	13	PASS
Band5	5MHz	QPSK	20425	1RB#0	4.39	13	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.67	13	PASS
Band5	5MHz	QPSK	20525	1RB#0	4.66	13	PASS
Band5	5MHz	QPSK	20525	25RB#0	5.44	13	PASS
Band5	5MHz	QPSK	20625	1RB#0	4.35	13	PASS
Band5	5MHz	QPSK	20625	25RB#0	5.04	13	PASS
Band5	5MHz	16QAM	20425	1RB#0	5.11	13	PASS
Band5	5MHz	16QAM	20425	25RB#0	5.47	13	PASS
Band5	5MHz	16QAM	20525	1RB#0	5.35	13	PASS
Band5	5MHz	16QAM	20525	25RB#0	6.20	13	PASS

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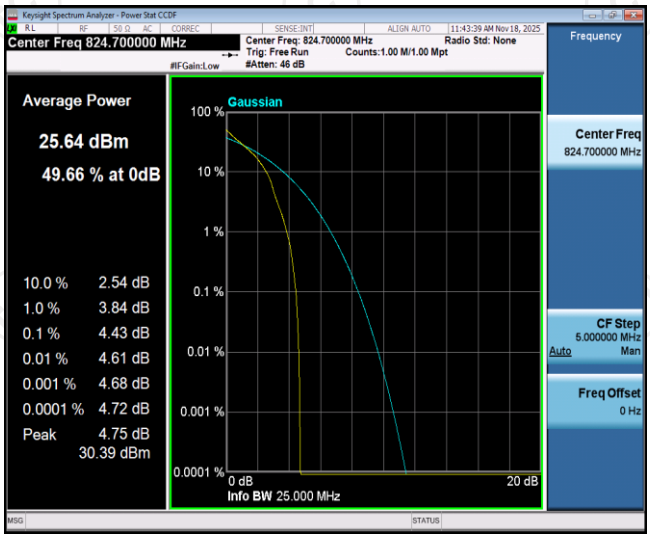
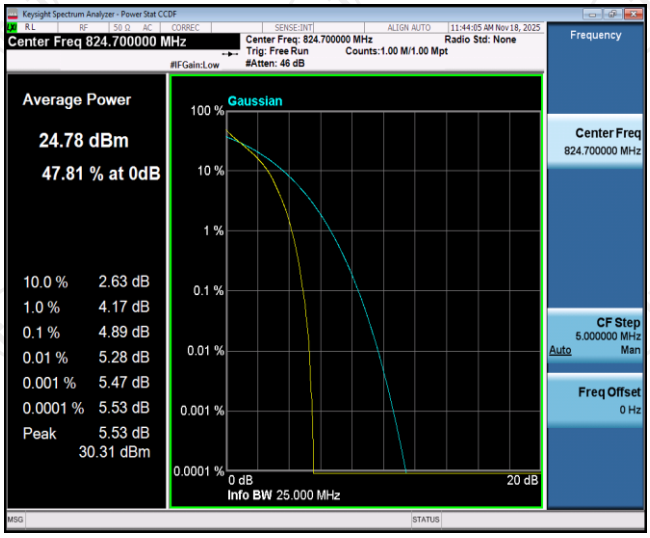
Band5	5MHz	16QAM	20625	1RB#0	5.05	13	PASS
Band5	5MHz	16QAM	20625	25RB#0	5.86	13	PASS
Band5	10MHz	QPSK	20450	1RB#0	4.12	13	PASS
Band5	10MHz	QPSK	20450	50RB#0	4.82	13	PASS
Band5	10MHz	QPSK	20525	1RB#0	3.98	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.27	13	PASS
Band5	10MHz	QPSK	20600	1RB#0	4.55	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	5.26	13	PASS
Band5	10MHz	16QAM	20450	1RB#0	5.13	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	5.62	13	PASS
Band5	10MHz	16QAM	20525	1RB#0	4.89	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	6.11	13	PASS
Band5	10MHz	16QAM	20600	1RB#0	5.50	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	6.07	13	PASS

Test Graphs



Band5-1.4MHz-QPSK-20407-1RB#0



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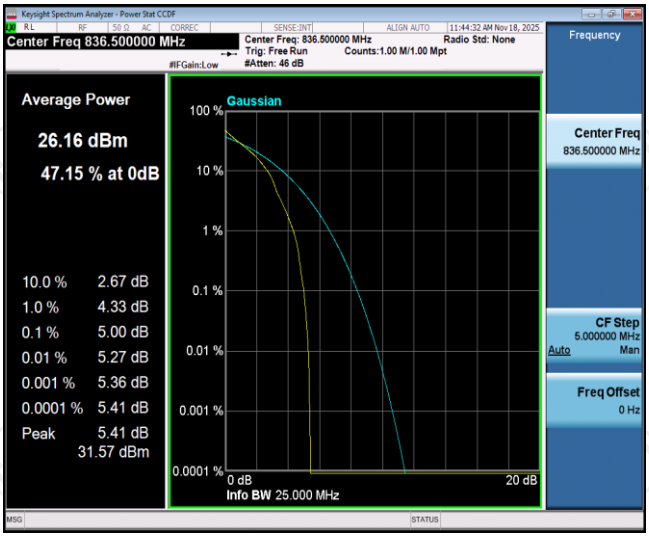
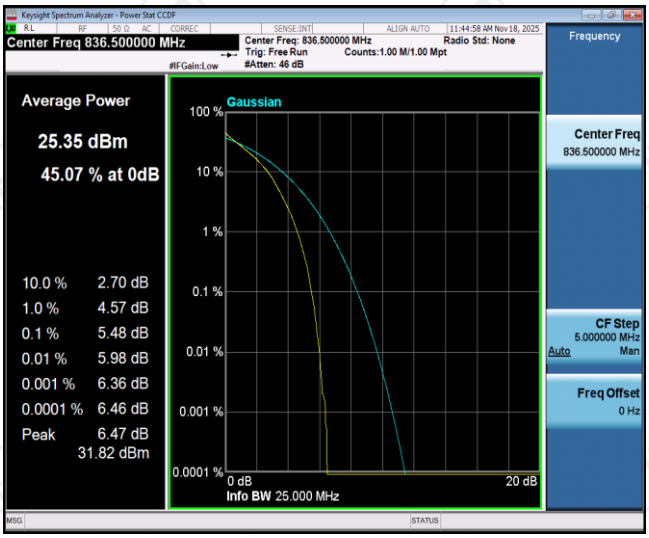
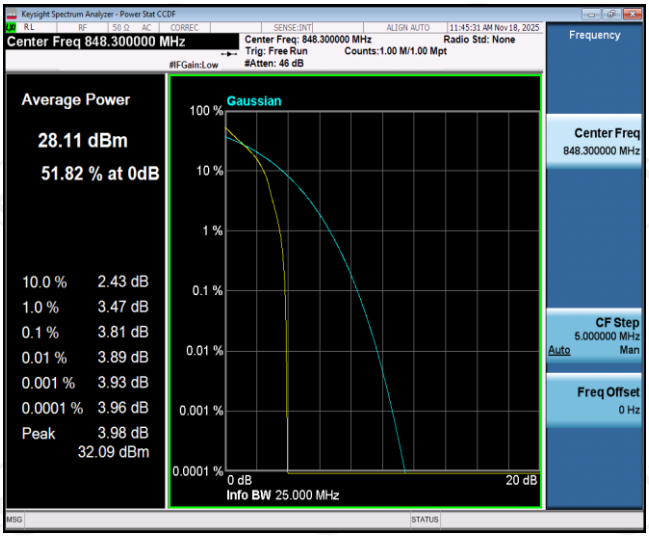


Band5-1.4MHz-QPSK-20525-1RB#0



Band5-1.4MHz-QPSK-20525-6RB#0



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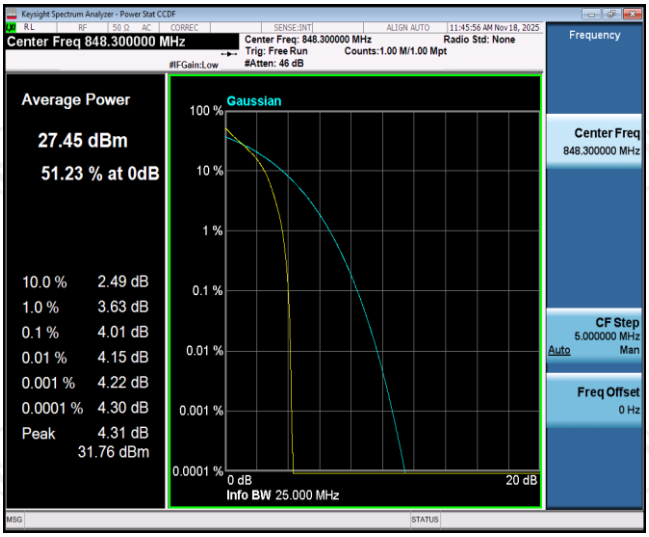

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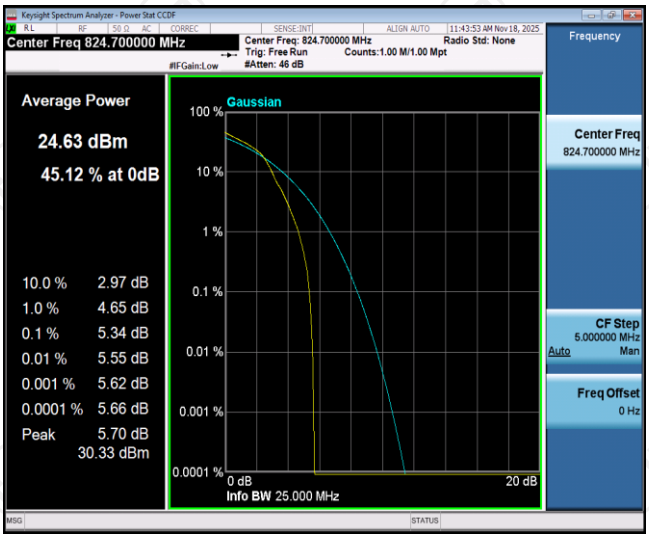

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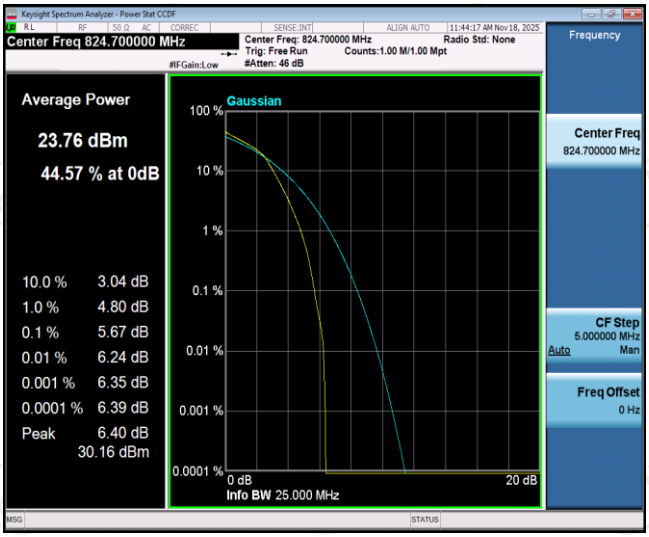

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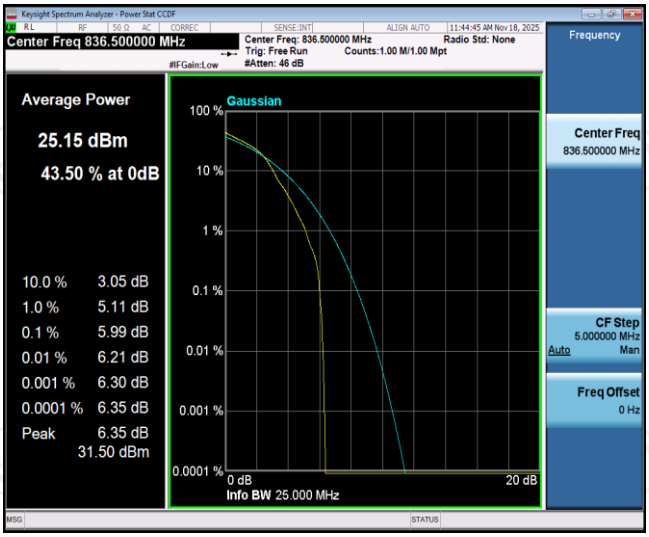

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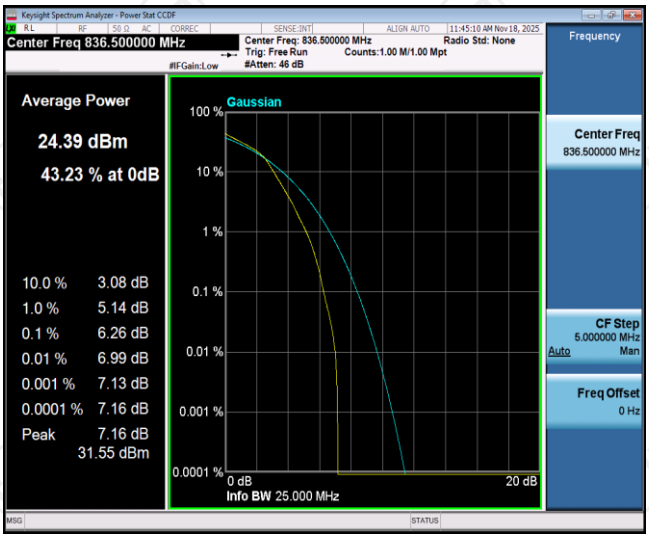

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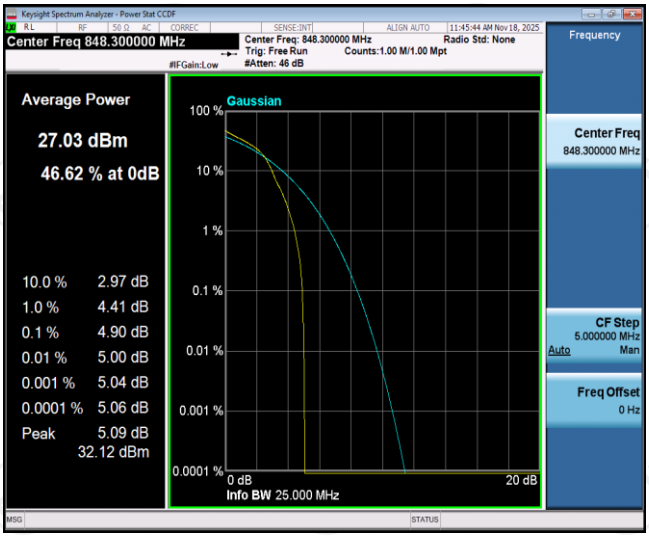

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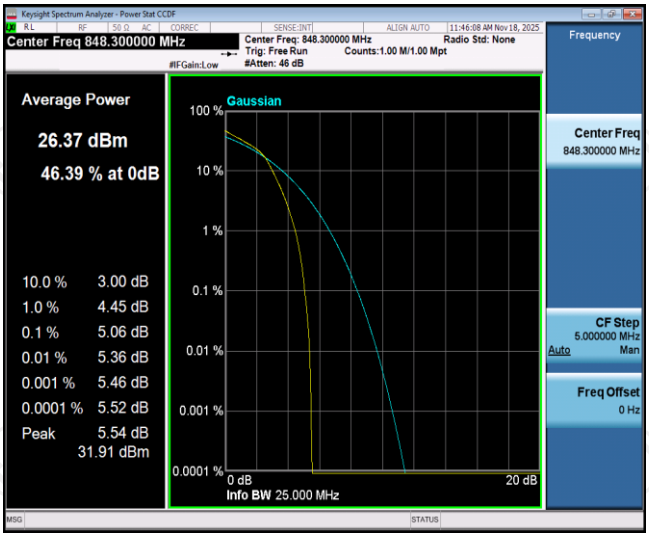

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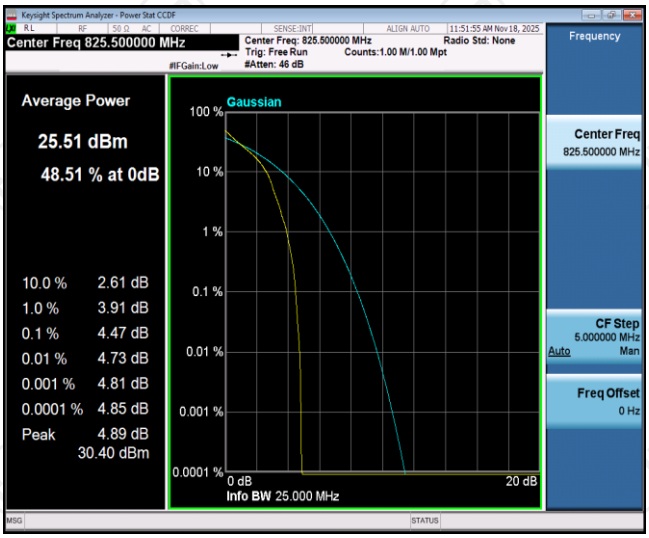

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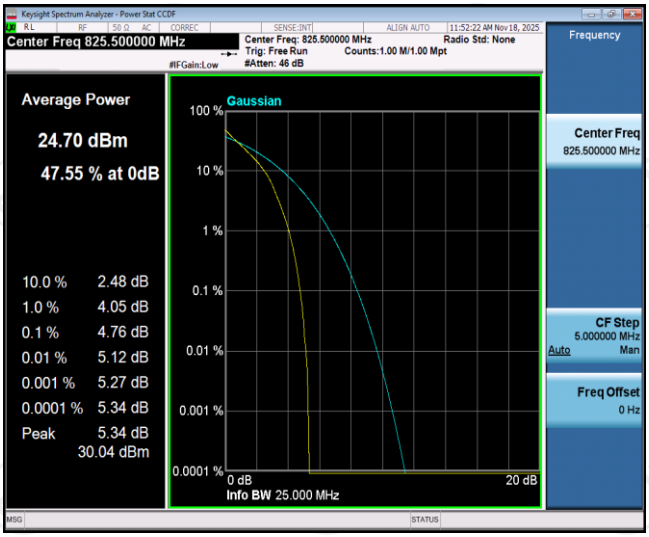

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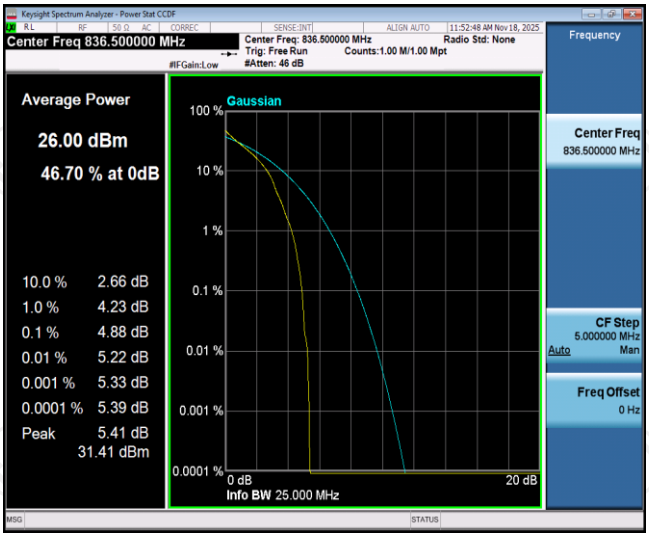

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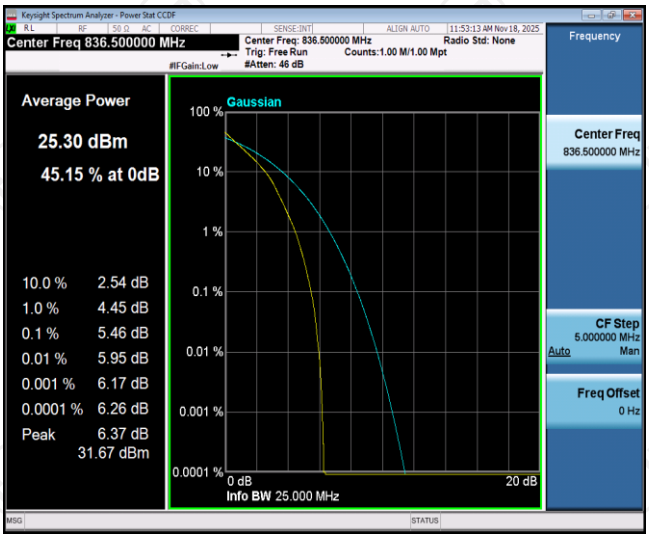

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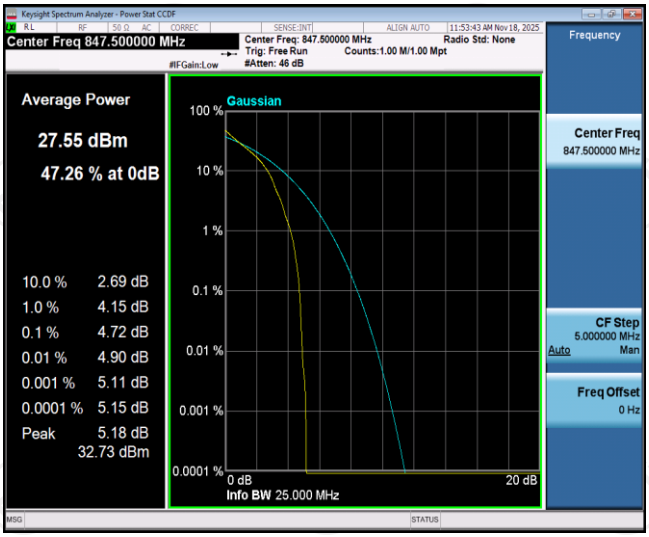

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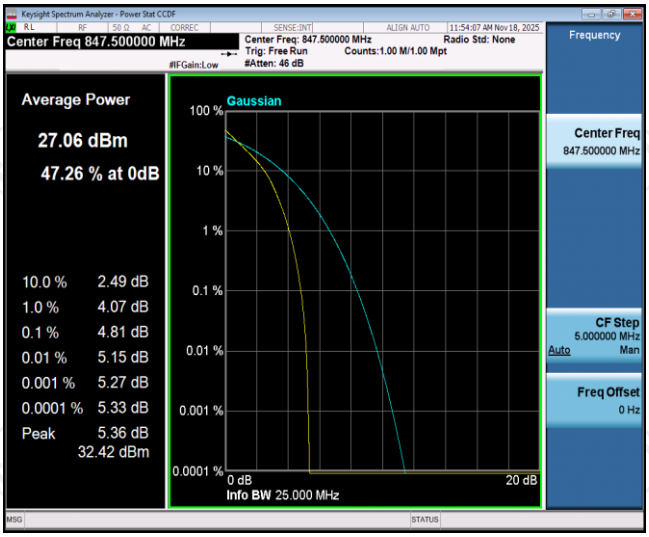

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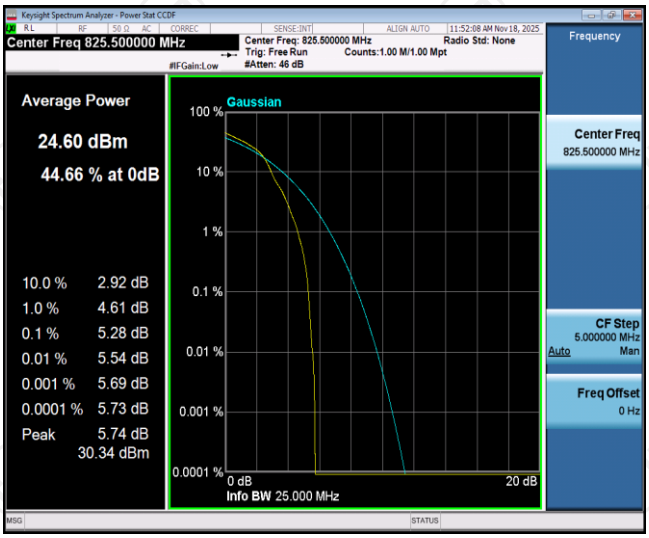

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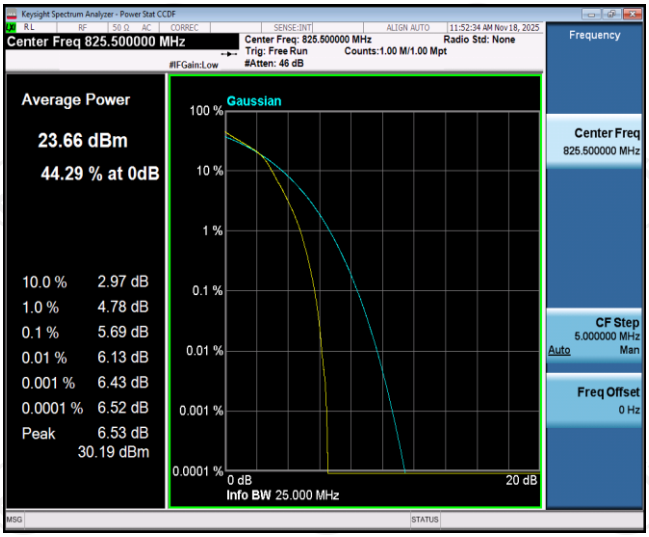

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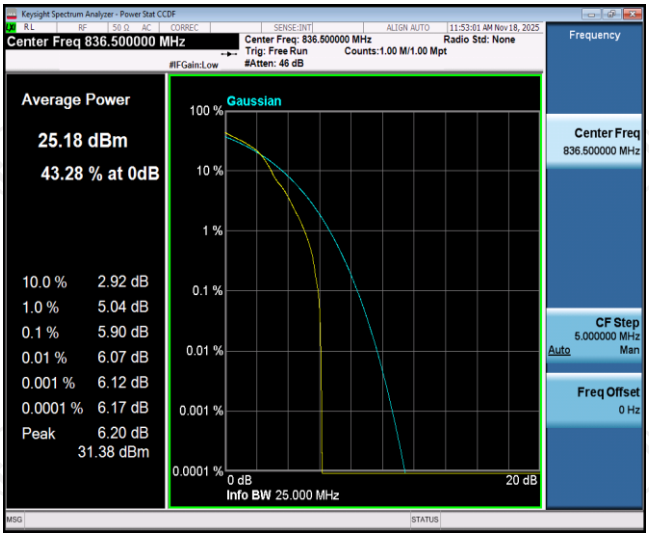

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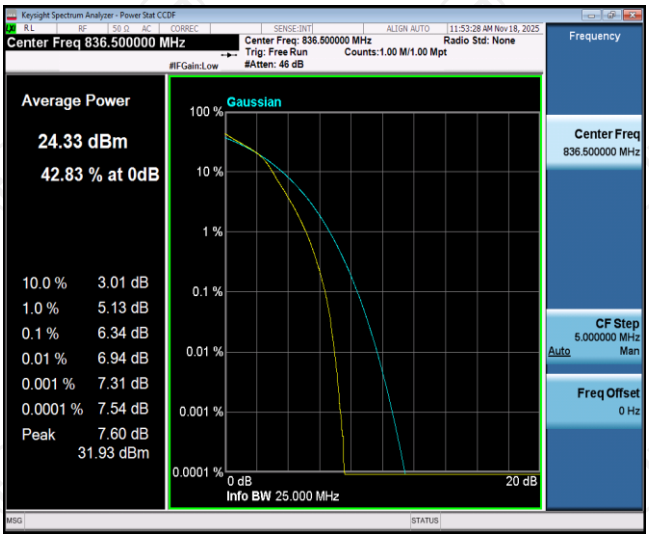

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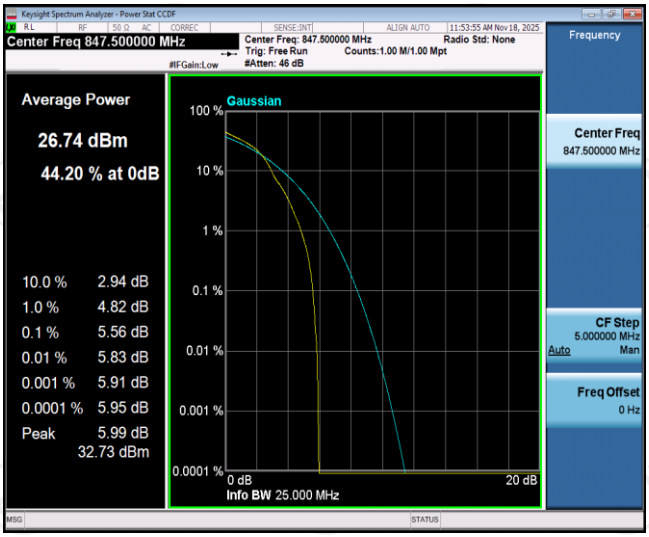

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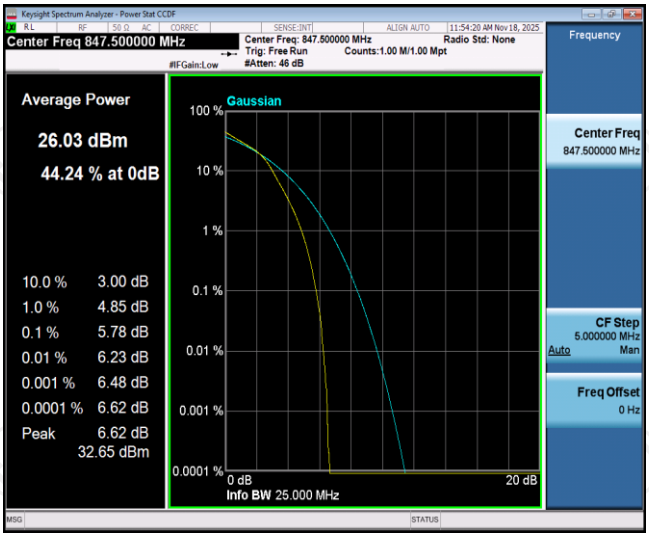

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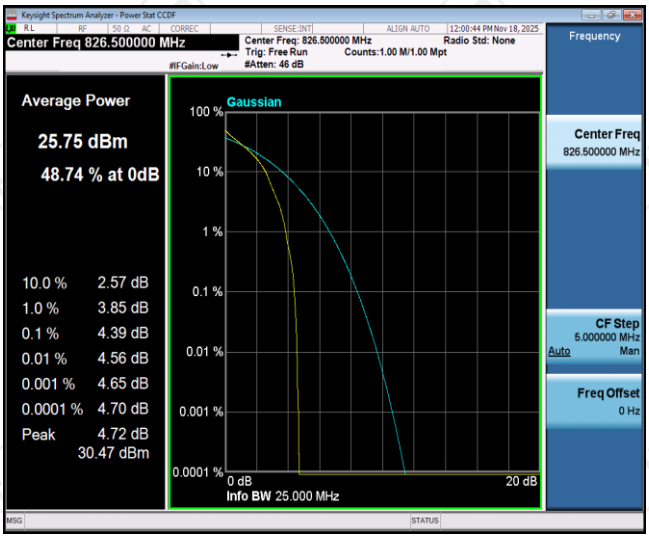

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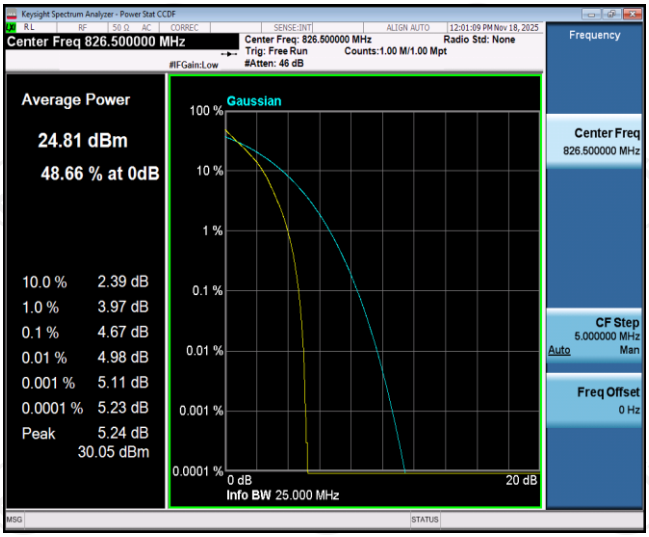

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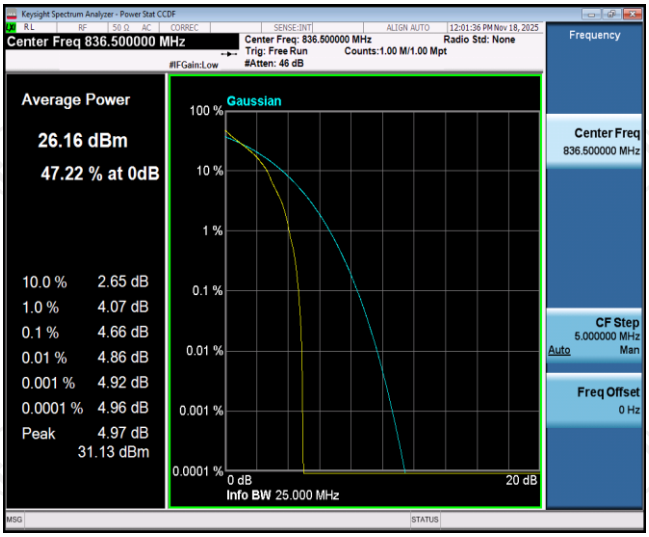

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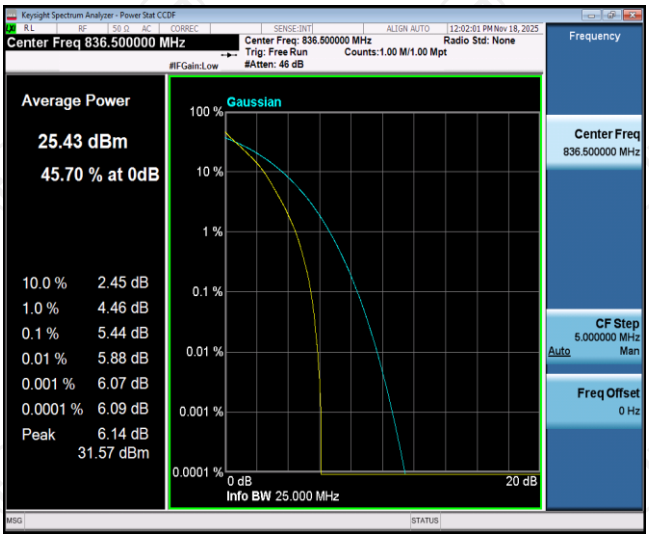

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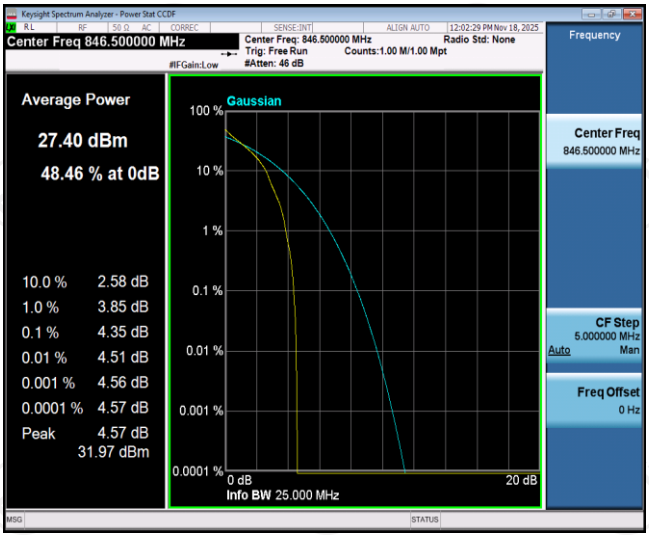

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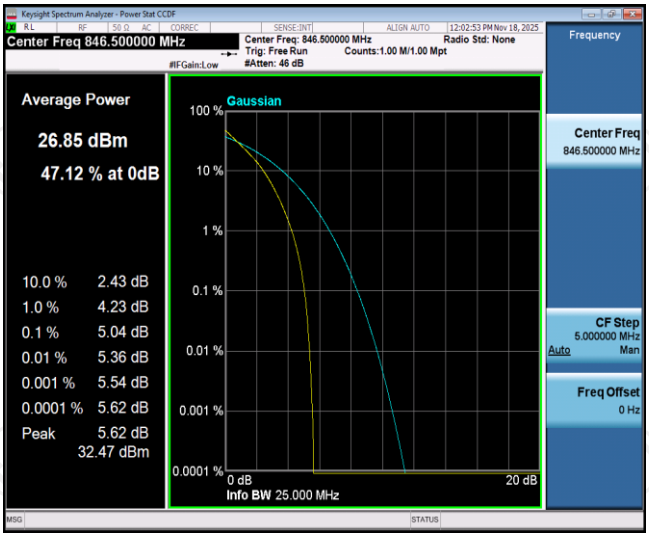

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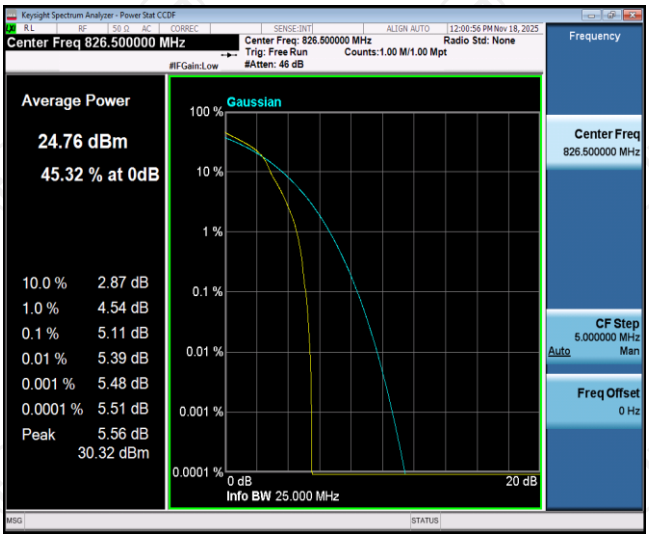

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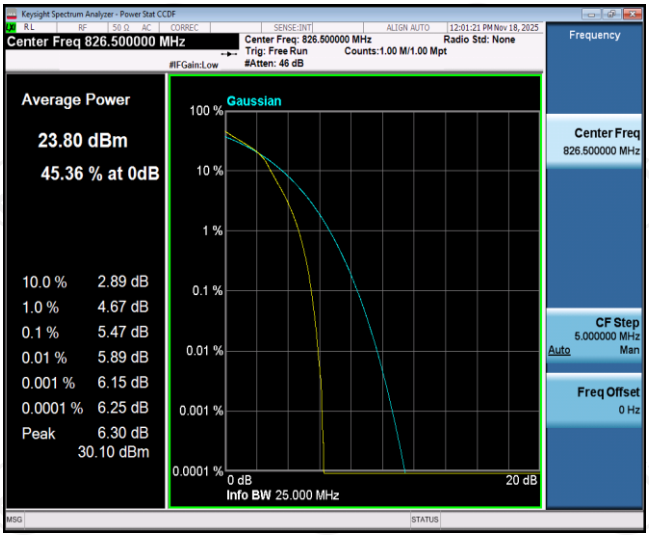

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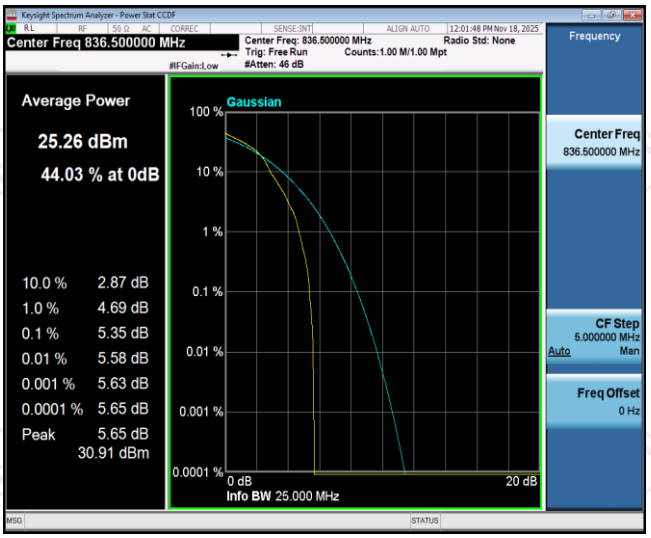

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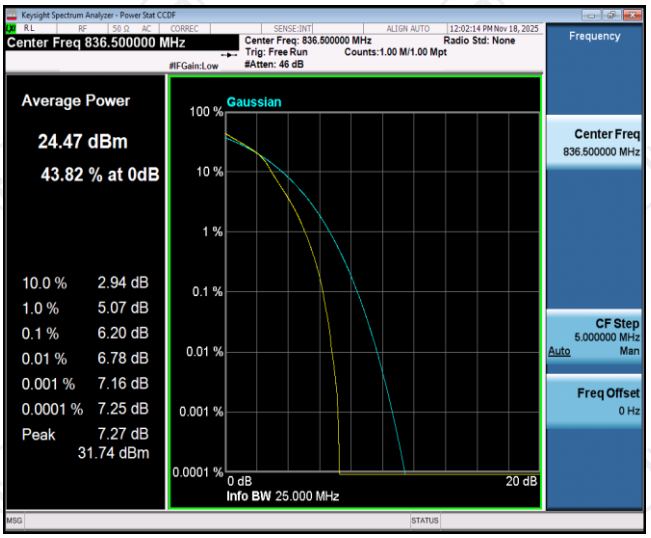

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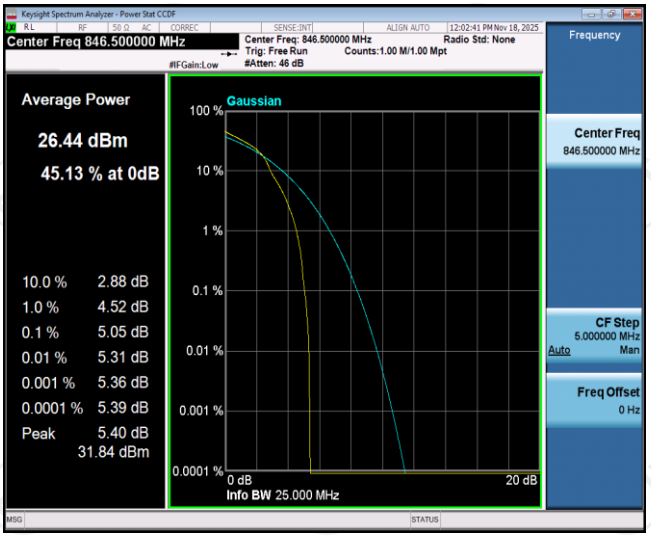

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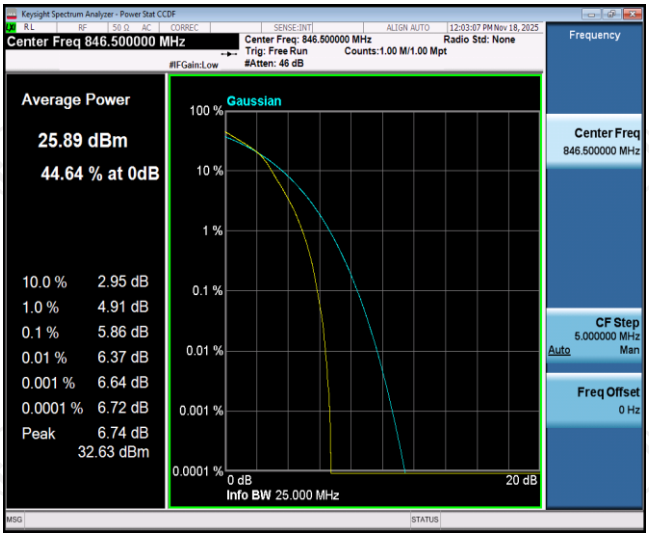

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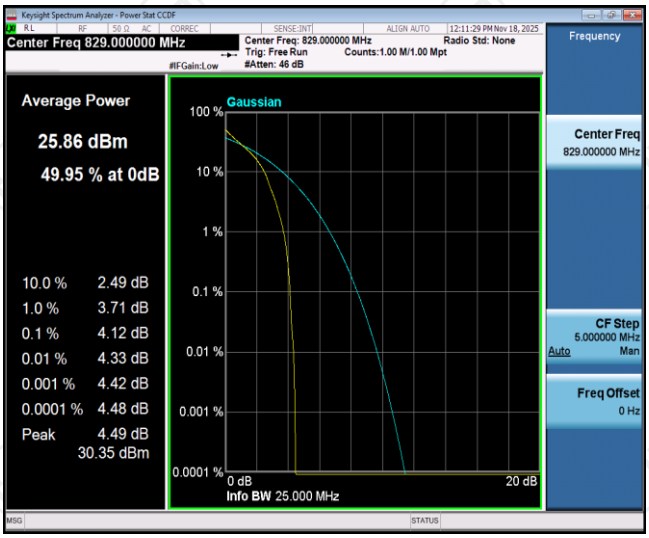

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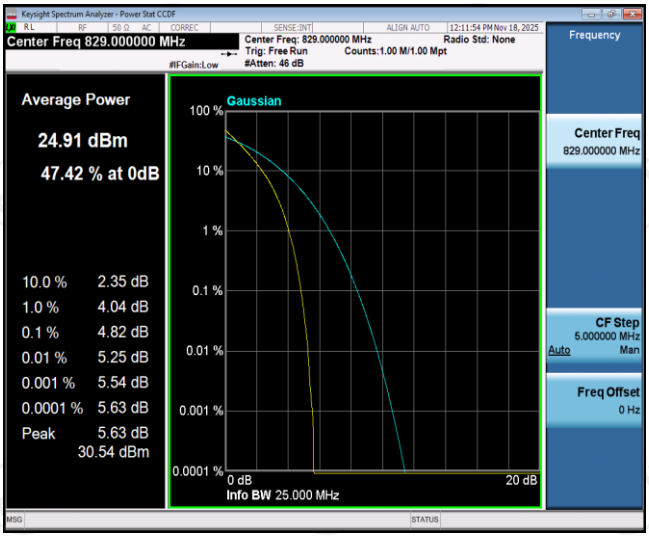

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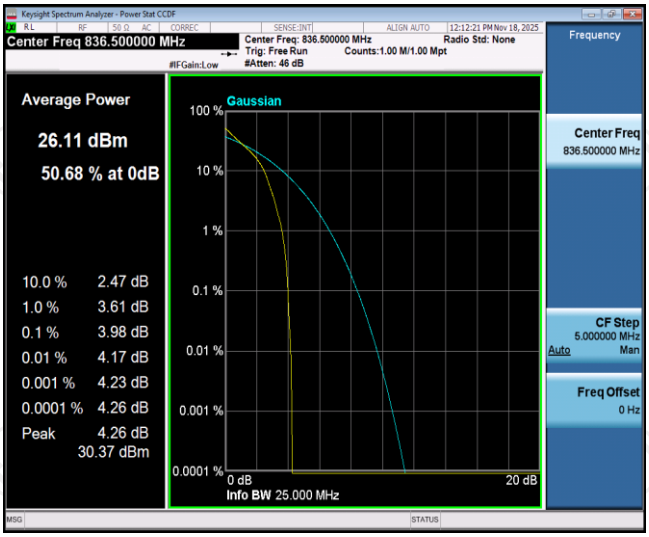

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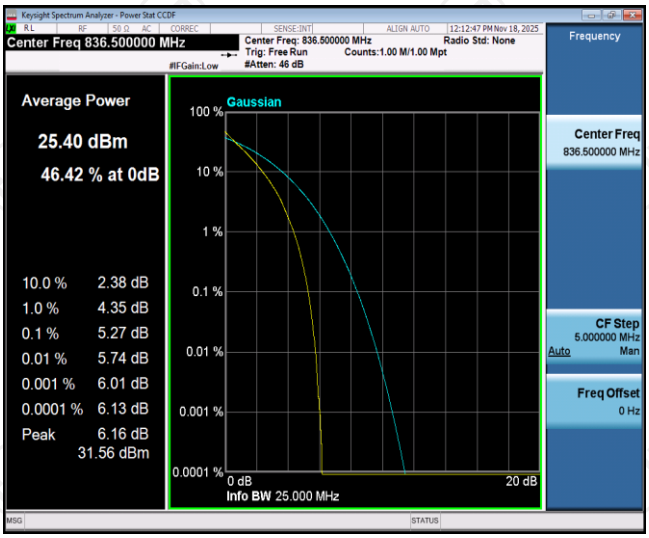

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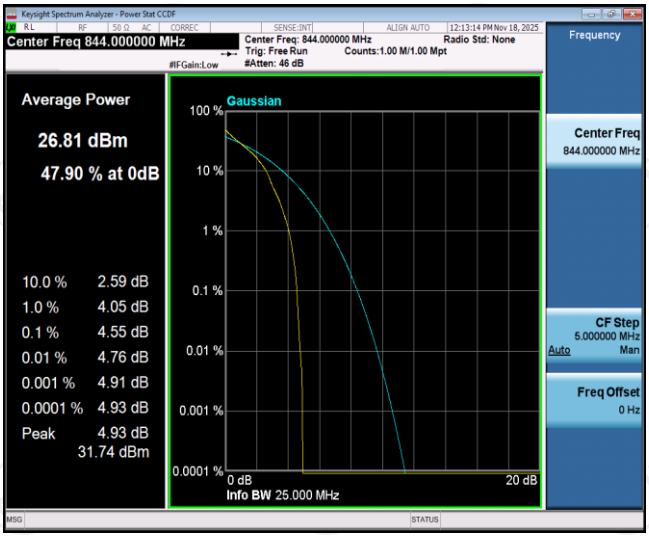

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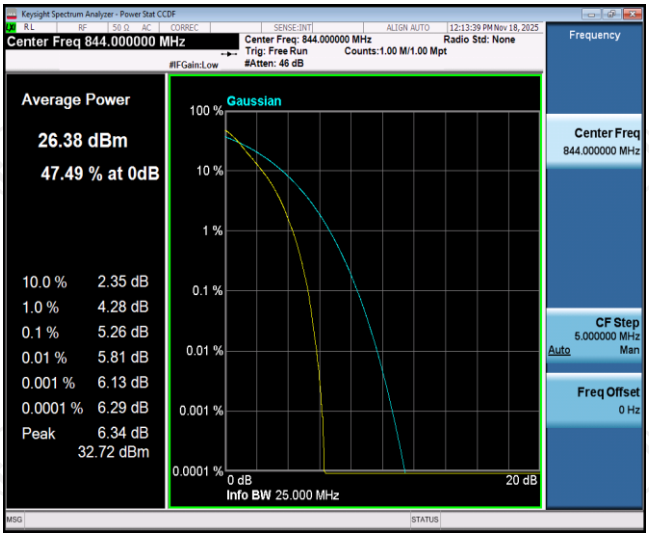

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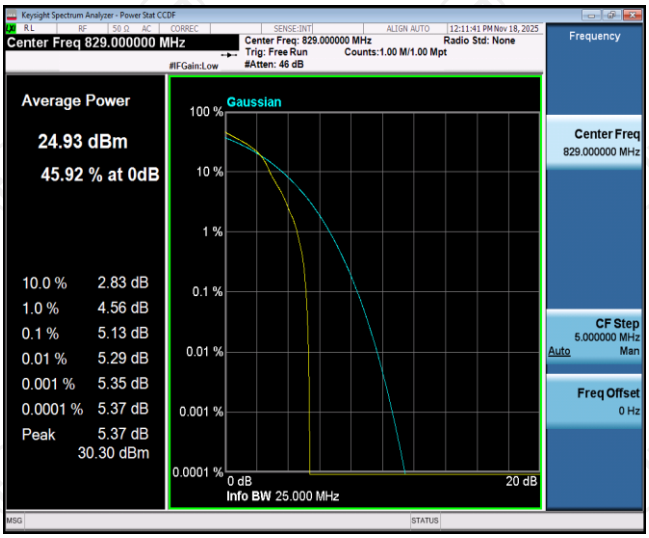

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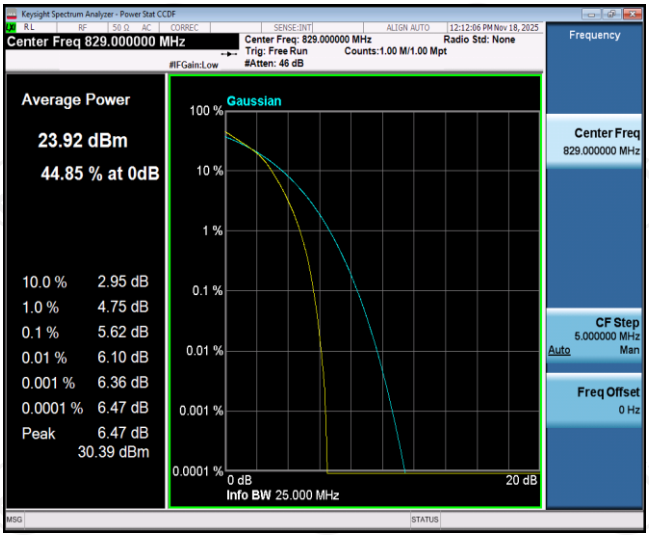

Band5-10MHz-16QAM-20450-50RB#0