Appendix A: Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Gain (dBm)	E.R.P (dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	21.01	-1.45	17.41	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	21.04	-1.45	17.44	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	21.01	-1.45	17.41	PASS
Band5	1.4MHz	QPSK	20407	3RB#0	20.91	-1.45	17.31	PASS
Band5	1.4MHz	QPSK	20407	3RB#1	20.92	-1.45	17.32	PASS
Band5	1.4MHz	QPSK	20407	3RB#3	20.89	-1.45	17.29	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	20.91	-1.45	17.31	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	21.02	-1.45	17.42	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	21.09	-1.45	17.49	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	20.99	-1.45	17.39	PASS
Band5	1.4MHz	QPSK	20525	3RB#0	21.19	-1.45	17.59	PASS
Band5	1.4MHz	QPSK	20525	3RB#1	21.56	-1.45	17.96	PASS
Band5	1.4MHz	QPSK	20525	3RB#3	21.42	-1.45	17.82	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	21.23	-1.45	17.63	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	21.50	-1.45	17.90	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	21.62	-1.45	18.02	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	21.24	-1.45	17.64	PASS
Band5	1.4MHz	QPSK	20643	3RB#0	21.47	-1.45	17.8	PASS

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Band5	1.4MHz	QPSK	20643	3RB#1	21.46	-1.45	17.86	PASS
Band5	1.4MHz	QPSK	20643	3RB#3	21.34	-1.45	17.74	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	21.22	-1.45	17.62	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	20.95	-1.45	17.35	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	21.02	-1.45	17.42	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	20.94	-1.45	17.34	PASS
Band5	1.4MHz	16QAM	20407	3RB#0	20.81	-1.45	17.21	PASS
Band5	1.4MHz	16QAM	20407	3RB#1	20.81	-1.45	17.21	PASS
Band5	1.4MHz	16QAM	20407	3RB#3	20.79	-1.45	17.19	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	20.92	-1.45	17.32	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	21.22	-1.45	17.62	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	21.35	-1.45	17.75	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	21.17	-1.45	17.57	PASS
Band5	1.4MHz	16QAM	20525	3RB#0	21.13	-1.45	17.53	PASS
Band5	1.4MHz	16QAM	20525	3RB#1	21.43	-1.45	17.83	PASS
Band5	1.4MHz	16QAM	20525	3RB#3	21.29	-1.45	17.69	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	21.12	-1.45	17.52	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	21.38	-1.45	17.78	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	21.55	-1.45	17.95	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	21.14	-1.45	17.54	PASS
Band5	1.4MHz	16QAM	20643	3RB#0	21.32	-1.45	17.72	PASS

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Band5	1.4MHz	16QAM	20643	3RB#1	21.26	-1.45	17.66	PASS
Band5	1.4MHz	16QAM	20643	3RB#3	21.33	-1.45	17.73	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	21.09	-1.45	17.49	PASS
Band5	3MHz	QPSK	20415	1RB#0	20.94	-1.45	17.34	PASS
Band5	3MHz	QPSK	20415	1RB#8	20.95	-1.45	17.35	PASS
Band5	3MHz	QPSK	20415	1RB#14	20.74	-1.45	17.14	PASS
Band5	3MHz	QPSK	20415	8RB#0	20.78	-1.45	17.18	PASS
Band5	3MHz	QPSK	20415	8RB#4	20.79	-1.45	17.19	PASS
Band5	3MHz	QPSK	20415	8RB#7	20.89	-1.45	17.29	PASS
Band5	3MHz	QPSK	20415	15RB#0	20.86	-1.45	17.26	PASS
Band5	3MHz	QPSK	20525	1RB#0	21.01	-1.45	17.41	PASS
Band5	3MHz	QPSK	20525	1RB#8	20.96	-1.45	17.36	PASS
Band5	3MHz	QPSK	20525	1RB#14	20.83	-1.45	17.23	PASS
Band5	3MHz	QPSK	20525	8RB#0	20.98	-1.45	17.38	PASS
Band5	3MHz	QPSK	20525	8RB#4	20.88	-1.45	17.28	PASS
Band5	3MHz	QPSK	20525	8RB#7	20.78	-1.45	17.18	PASS
Band5	3MHz	QPSK	20525	15RB#0	20.86	-1.45	17.26	PASS
Band5	3MHz	QPSK	20635	1RB#0	21.32	-1.45	17.72	PASS
Band5	3MHz	QPSK	20635	1RB#8	21.21	-1.45	17.61	PASS
Band5	3MHz	QPSK	20635	1RB#14	21.11	-1.45	17.51	PASS
Band5	3MHz	QPSK	20635	8RB#0	21.21	-1.45	17.61	PASS
Band5	3MHz	QPSK	20635	8RB#4	21.25	-1.45	17.6	PASS

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Band5	3MHz	QPSK	20635	8RB#7	21.12	-1.45	17.52	PASS
Band5	3MHz	QPSK	20635	15RB#0	21.12	-1.45	17.52	PASS
Band5	3MHz	16QAM	20415	1RB#0	21.17	-1.45	17.57	PASS
Band5	3MHz	16QAM	20415	1RB#8	20.91	-1.45	17.31	PASS
Band5	3MHz	16QAM	20415	1RB#14	21.34	-1.45	17.74	PASS
Band5	3MHz	16QAM	20415	8RB#0	20.83	-1.45	17.23	PASS
Band5	3MHz	16QAM	20415	8RB#4	20.81	-1.45	17.21	PASS
Band5	3MHz	16QAM	20415	8RB#7	20.96	-1.45	17.36	PASS
Band5	3MHz	16QAM	20415	15RB#0	20.88	-1.45	17.28	PASS
Band5	3MHz	16QAM	20525	1RB#0	21.24	-1.45	17.64	PASS
Band5	3MHz	16QAM	20525	1RB#8	21.00	-1.45	17.40	PASS
Band5	3MHz	16QAM	20525	1RB#14	20.95	-1.45	17.35	PASS
Band5	3MHz	16QAM	20525	8RB#0	20.96	-1.45	17.36	PASS
Band5	3MHz	16QAM	20525	8RB#4	20.92	-1.45	17.32	PASS
Band5	3MHz	16QAM	20525	8RB#7	20.81	-1.45	17.21	PASS
Band5	3MHz	16QAM	20525	15RB#0	20.83	-1.45	17.23	PASS
Band5	3MHz	16QAM	20635	1RB#0	21.25	-1.45	17.65	PASS
Band5	3MHz	16QAM	20635	1RB#8	21.12	-1.45	17.52	PASS
Band5	3MHz	16QAM	20635	1RB#14	21.12	-1.45	17.52	PASS
Band5	3MHz	16QAM	20635	8RB#0	21.30	-1.45	17.70	PASS
Band5	3MHz	16QAM	20635	8RB#4	21.20	-1.45	17.60	PASS

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Band5	3MHz	16QAM	20635	8RB#7	21.17	-1.45	17.57	PASS
Band5	3MHz	16QAM	20635	15RB#0	21.02	-1.45	17.42	PASS
Band5	5MHz	QPSK	20425	1RB#0	20.73	-1.45	17.13	PASS
Band5	5MHz	QPSK	20425	1RB#12	21.22	-1.45	17.62	PASS
Band5	5MHz	QPSK	20425	1RB#24	20.57	-1.45	16.97	PASS
Band5	5MHz	QPSK	20425	12RB#0	20.72	-1.45	17.12	PASS
Band5	5MHz	QPSK	20425	12RB#6	20.84	-1.45	17.24	PASS
Band5	5MHz	QPSK	20425	12RB#13	20.69	-1.45	17.09	PASS
Band5	5MHz	QPSK	20425	25RB#0	20.72	-1.45	17.12	PASS
Band5	5MHz	QPSK	20525	1RB#0	21.10	-1.45	17.50	PASS
Band5	5MHz	QPSK	20525	1RB#12	21.07	-1.45	17.47	PASS
Band5	5MHz	QPSK	20525	1RB#24	21.03	-1.45	17.43	PASS
Band5	5MHz	QPSK	20525	12RB#0	21.26	-1.45	17.66	PASS
Band5	5MHz	QPSK	20525	12RB#6	21.24	-1.45	17.64	PASS
Band5	5MHz	QPSK	20525	12RB#13	21.19	-1.45	17.59	PASS
Band5	5MHz	QPSK	20525	25RB#0	20.96	-1.45	17.36	PASS
Band5	5MHz	QPSK	20625	1RB#0	21.53	-1.45	17.93	PASS
Band5	5MHz	QPSK	20625	1RB#12	21.32	-1.45	17.72	PASS
Band5	5MHz	QPSK	20625	1RB#24	21.08	-1.45	17.48	PASS
Band5	5MHz	QPSK	20625	12RB#0	21.23	-1.45	17.63	PASS
Band5	5MHz	QPSK	20625	12RB#6	21.27	-1.45	17.67	PASS
Band5	5MHz	QPSK	20625	12RB#13	21.17	-1.45	17.5	PASS

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Band5	5MHz	QPSK	20625	25RB#0	21.21	-1.45	17.61	PASS
Band5	5MHz	16QAM	20425	1RB#0	21.11	-1.45	17.51	PASS
Band5	5MHz	16QAM	20425	1RB#12	21.72	-1.45	18.12	PASS
Band5	5MHz	16QAM	20425	1RB#24	20.67	-1.45	17.07	PASS
Band5	5MHz	16QAM	20425	12RB#0	20.69	-1.45	17.09	PASS
Band5	5MHz	16QAM	20425	12RB#6	20.87	-1.45	17.27	PASS
Band5	5MHz	16QAM	20425	12RB#13	20.77	-1.45	17.17	PASS
Band5	5MHz	16QAM	20425	25RB#0	20.74	-1.45	17.14	PASS
Band5	5MHz	16QAM	20525	1RB#0	21.59	-1.45	17.99	PASS
Band5	5MHz	16QAM	20525	1RB#12	21.34	-1.45	17.74	PASS
Band5	5MHz	16QAM	20525	1RB#24	21.19	-1.45	17.59	PASS
Band5	5MHz	16QAM	20525	12RB#0	21.47	-1.45	17.87	PASS
Band5	5MHz	16QAM	20525	12RB#6	21.11	-1.45	17.51	PASS
Band5	5MHz	16QAM	20525	12RB#13	20.95	-1.45	17.35	PASS
Band5	5MHz	16QAM	20525	25RB#0	20.99	-1.45	17.39	PASS
Band5	5MHz	16QAM	20625	1RB#0	21.42	-1.45	17.82	PASS
Band5	5MHz	16QAM	20625	1RB#12	21.29	-1.45	17.69	PASS
Band5	5MHz	16QAM	20625	1RB#24	21.12	-1.45	17.52	PASS
Band5	5MHz	16QAM	20625	12RB#0	21.34	-1.45	17.74	PASS
Band5	5MHz	16QAM	20625	12RB#6	21.36	-1.45	17.76	PASS
Band5	5MHz	16QAM	20625	12RB#13	21.13	-1.45	17.53	PASS

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Band5	5MHz	16QAM	20625	25RB#0	21.27	-1.45	17.67	PASS
Band5	10MHz	QPSK	20450	1RB#0	21.75	-1.45	18.15	PASS
Band5	10MHz	QPSK	20450	1RB#24	21.64	-1.45	18.04	PASS
Band5	10MHz	QPSK	20450	1RB#49	21.17	-1.45	17.57	PASS
Band5	10MHz	QPSK	20450	25RB#0	21.57	-1.45	17.97	PASS
Band5	10MHz	QPSK	20450	25RB#12	21.66	-1.45	18.06	PASS
Band5	10MHz	QPSK	20450	25RB#25	21.64	-1.45	18.04	PASS
Band5	10MHz	QPSK	20450	50RB#0	21.59	-1.45	17.99	PASS
Band5	10MHz	QPSK	20525	1RB#0	21.36	-1.45	17.76	PASS
Band5	10MHz	QPSK	20525	1RB#24	20.89	-1.45	17.29	PASS
Band5	10MHz	QPSK	20525	1RB#49	20.70	-1.45	17.10	PASS
Band5	10MHz	QPSK	20525	25RB#0	21.34	-1.45	17.74	PASS
Band5	10MHz	QPSK	20525	25RB#12	21.34	-1.45	17.74	PASS
Band5	10MHz	QPSK	20525	25RB#25	20.89	-1.45	17.29	PASS
Band5	10MHz	QPSK	20525	50RB#0	21.12	-1.45	17.52	PASS
Band5	10MHz	QPSK	20600	1RB#0	20.84	-1.45	17.24	PASS
Band5	10MHz	QPSK	20600	1RB#24	20.64	-1.45	17.04	PASS
Band5	10MHz	QPSK	20600	1RB#49	21.18	-1.45	17.58	PASS
Band5	10MHz	QPSK	20600	25RB#0	20.83	-1.45	17.23	PASS
Band5	10MHz	QPSK	20600	25RB#12	20.90	-1.45	17.30	PASS
Band5	10MHz	QPSK	20600	25RB#25	21.46	-1.45	17.86	PASS
Band5	10MHz	QPSK	20600	50RB#0	20.71	-1.45	17.11	PASS

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Band5	10MHz	16QAM	20450	1RB#0	20.91	-1.45	17.31	PASS
Band5	10MHz	16QAM	20450	1RB#24	20.84	-1.45	17.24	PASS
Band5	10MHz	16QAM	20450	1RB#49	21.34	-1.45	17.74	PASS
Band5	10MHz	16QAM	20450	25RB#0	21.63	-1.45	18.03	PASS
Band5	10MHz	16QAM	20450	25RB#12	20.71	-1.45	17.11	PASS
Band5	10MHz	16QAM	20450	25RB#25	20.62	-1.45	17.02	PASS
Band5	10MHz	16QAM	20450	50RB#0	21.50	-1.45	17.90	PASS
Band5	10MHz	16QAM	20525	1RB#0	21.55	-1.45	17.95	PASS
Band5	10MHz	16QAM	20525	1RB#24	21.30	-1.45	17.70	PASS
Band5	10MHz	16QAM	20525	1RB#49	20.91	-1.45	17.31	PASS
Band5	10MHz	16QAM	20525	25RB#0	21.38	-1.45	17.78	PASS
Band5	10MHz	16QAM	20525	25RB#12	21.33	-1.45	17.73	PASS
Band5	10MHz	16QAM	20525	25RB#25	20.96	-1.45	17.36	PASS
Band5	10MHz	16QAM	20525	50RB#0	21.14	-1.45	17.54	PASS
Band5	10MHz	16QAM	20600	1RB#0	20.79	-1.45	17.19	PASS
Band5	10MHz	16QAM	20600	1RB#24	20.76	-1.45	17.16	PASS
Band5	10MHz	16QAM	20600	1RB#49	21.15	-1.45	17.55	PASS
Band5	10MHz	16QAM	20600	25RB#0	20.93	-1.45	17.33	PASS
Band5	10MHz	16QAM	20600	25RB#12	20.91	-1.45	17.31	PASS
Band5	10MHz	16QAM	20600	25RB#25	20.58	-1.45	16.98	PASS
Band5	10MHz	16QAM	20600	50RB#0	20.75	-1.45	17.15	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	4.15	13	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	4.92	13	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	4.40	13	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	5.03	13	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	4.31	13	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	4.92	13	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	5.09	13	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	5.72	13	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	5.31	13	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	5.78	13	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	5.30	13	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	5.79	13	PASS
Band5	3MHz	QPSK	20415	1RB#0	4.07	13	PASS
Band5	3MHz	QPSK	20415	15RB#0	5.13	13	PASS
Band5	3MHz	QPSK	20525	1RB#0	4.22	13	PASS
Band5	3MHz	QPSK	20525	15RB#0	5.03	13	PASS
Band5	3MHz	QPSK	20635	1RB#0	4.39	13	PASS
Band5	3MHz	QPSK	20635	15RB#0	5.06	13	PASS
Band5	3MHz	16QAM	20415	1RB#0	4.95	13	PASS
Band5	3MHz	16QAM	20415	15RB#0	5.97	13	PASS
Band5	3MHz	16QAM	20525	1RB#0	5.07	13	PASS
Band5	3MHz	16QAM	20525	15RB#0	5.93	13	PASS
Band5	3MHz	16QAM	20635	1RB#0	5.25	13	PASS
Band5	3MHz	16QAM	20635	15RB#0	5.93	13	PASS
Band5	5MHz	QPSK	20425	1RB#0	4.33	13	PASS
Band5	5MHz	QPSK	20425	25RB#0	5.26	13	PASS
Band5	5MHz	QPSK	20525	1RB#0	4.51	13	PASS
Band5	5MHz	QPSK	20525	25RB#0	5.15	13	PASS
Band5	5MHz	QPSK	20625	1RB#0	4.73	13	PASS
Band5	5MHz	QPSK	20625	25RB#0	5.18	13	PASS
Band5	5MHz	16QAM	20425	1RB#0	5.01	13	PASS
Band5	5MHz	16QAM	20425	25RB#0	6.05	13	PASS
Band5	5MHz	16QAM	20525	1RB#0	5.25	13	PASS
Band5	5MHz	16QAM	20525	25RB#0	5.93	13	PASS
Band5	5MHz	16QAM	20625	1RB#0	5.51	13	PASS

Band5	5MHz	16QAM	20625	25RB#0	5.98	13	PASS
Band5	10MHz	QPSK	20450	1RB#0	4.20	13	PASS
Band5	10MHz	QPSK	20450	50RB#0	5.25	13	PASS
Band5	10MHz	QPSK	20525	1RB#0	4.60	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.23	13	PASS
Band5	10MHz	QPSK	20600	1RB#0	4.46	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	5.28	13	PASS
Band5	10MHz	16QAM	20450	1RB#0	5.06	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	6.07	13	PASS
Band5	10MHz	16QAM	20525	1RB#0	5.48	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	6.03	13	PASS
Band5	10MHz	16QAM	20600	1RB#0	5.27	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	6.07	13	PASS

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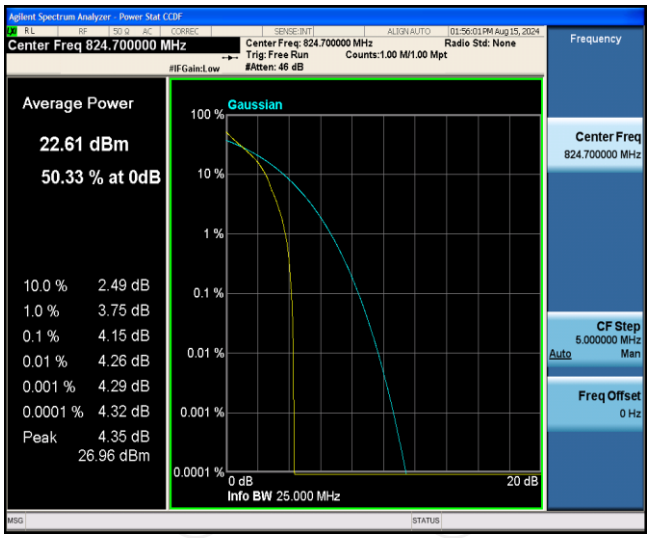
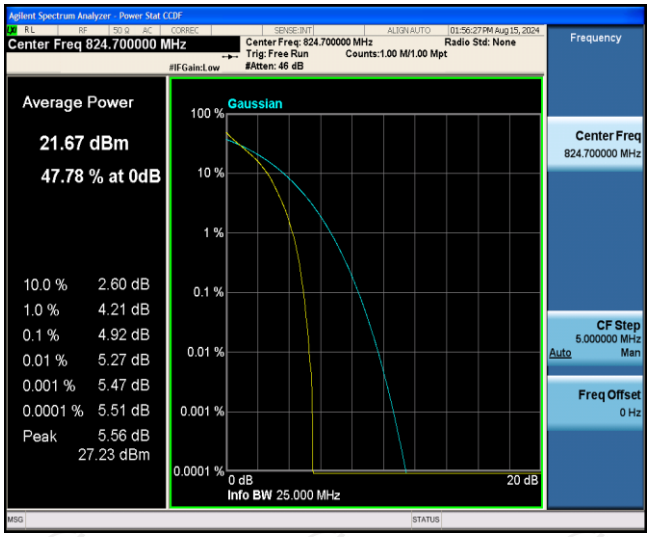
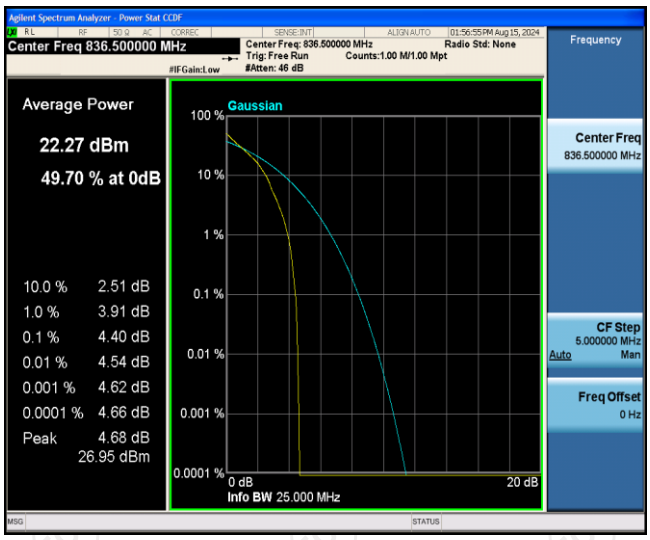
Test Graphs



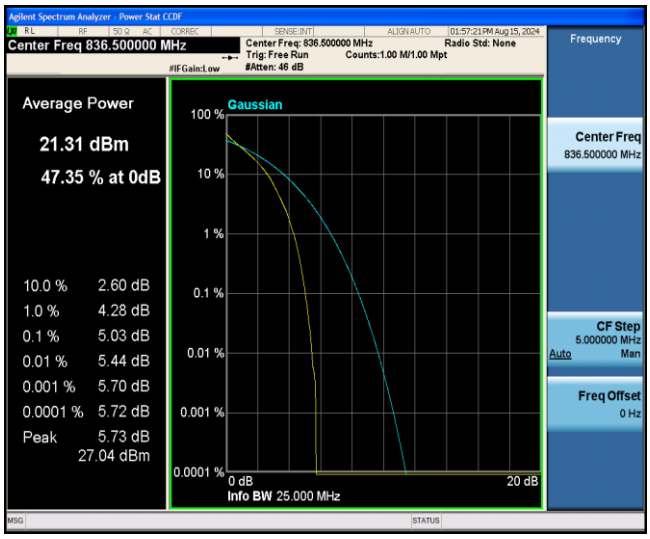
Band5-1.4MHz-QPSK-20407-1RB#0



Band5-1.4MHz-QPSK-20407-6RB#0



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



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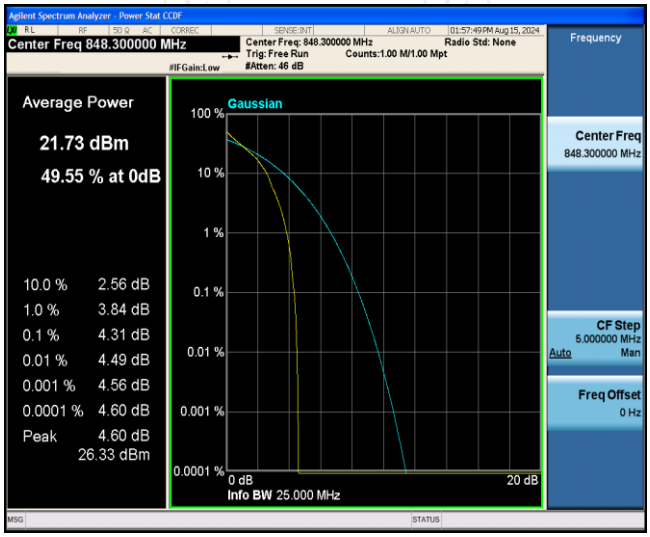

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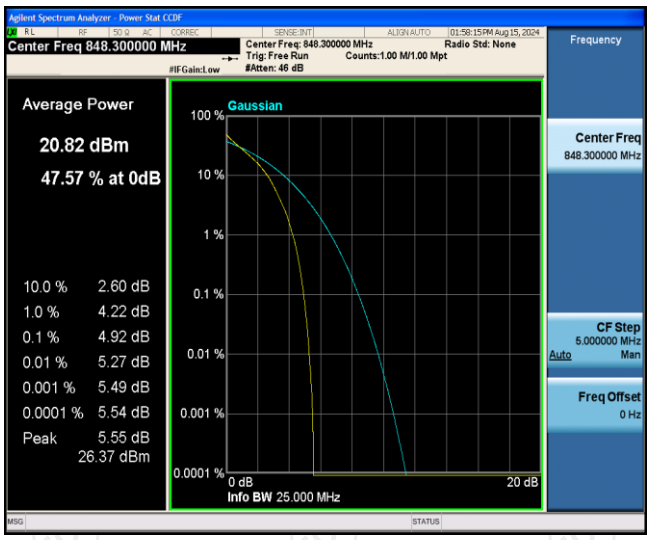
Hotline: 400-6611-140 Tel: 86-755-27673339 Fax: 86-755-27673332 http://www.tct-lab.com



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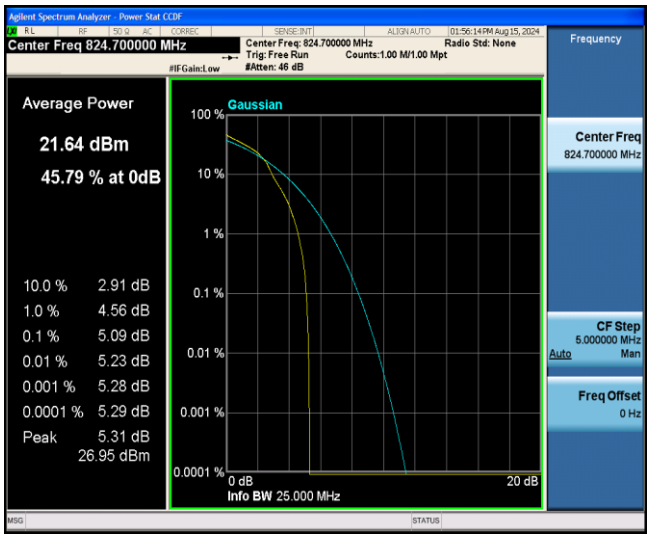

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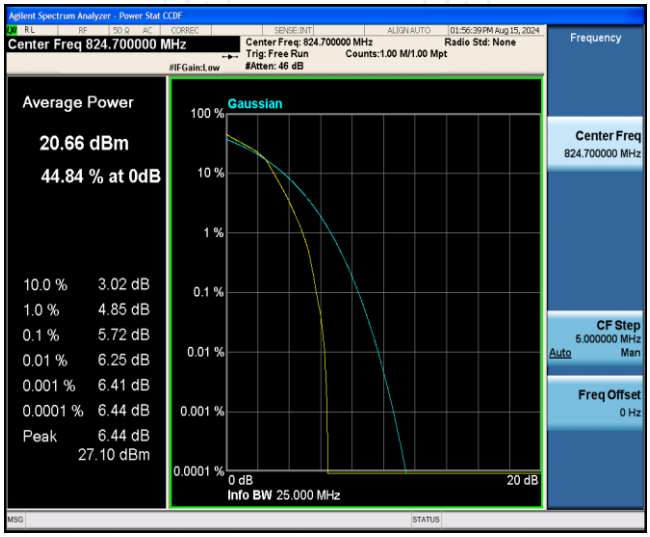

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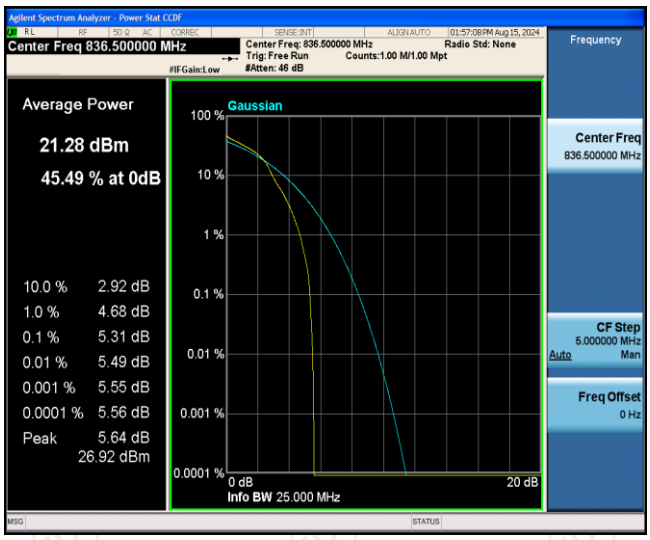

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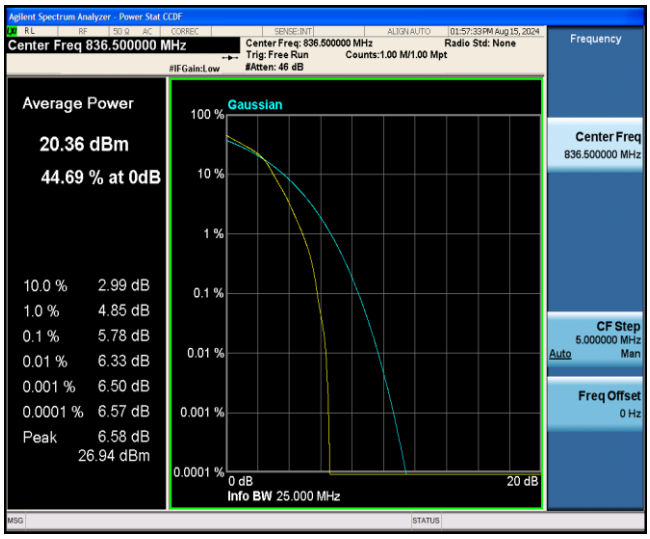

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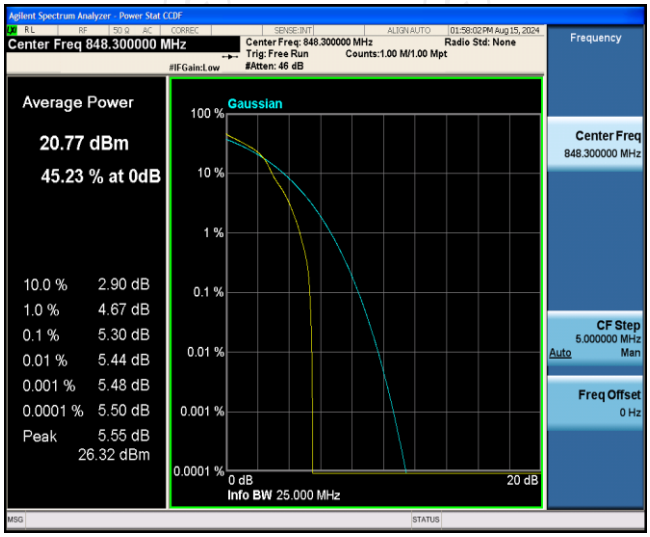

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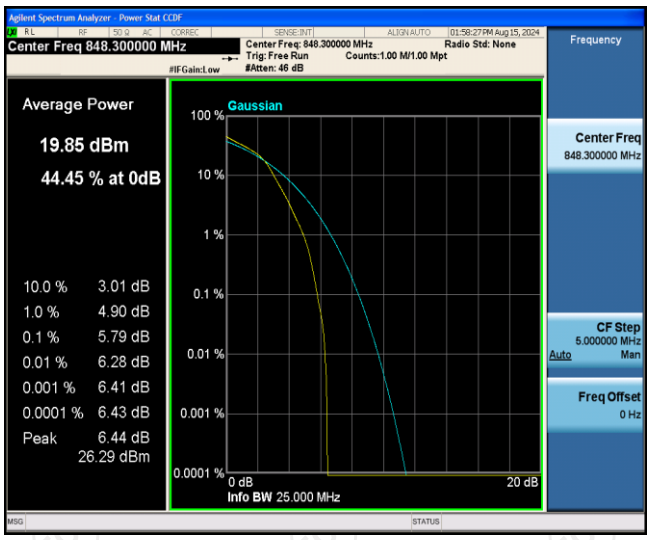
Hotline: 400-6611-140 Tel: 86-755-27673339 Fax: 86-755-27673332 http://www.tct-lab.com



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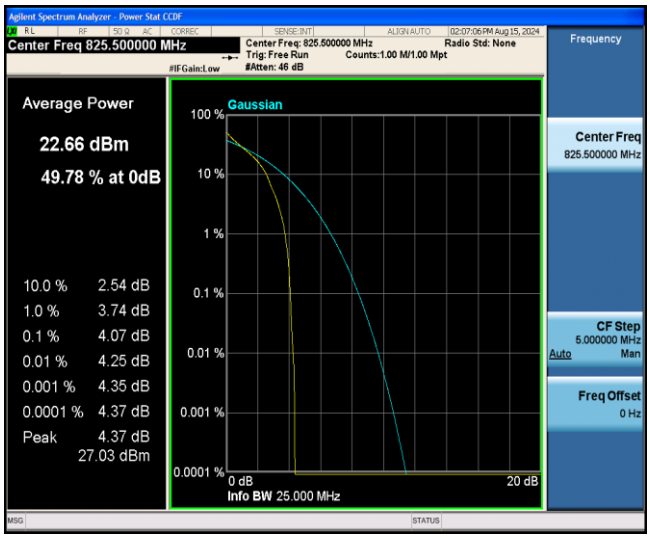

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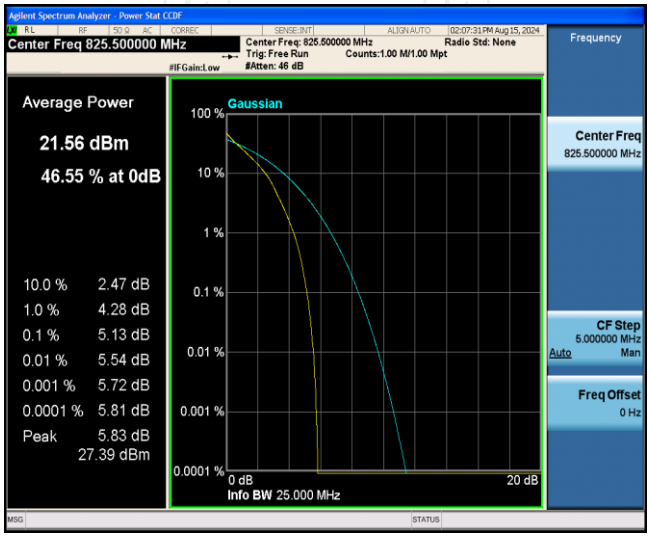

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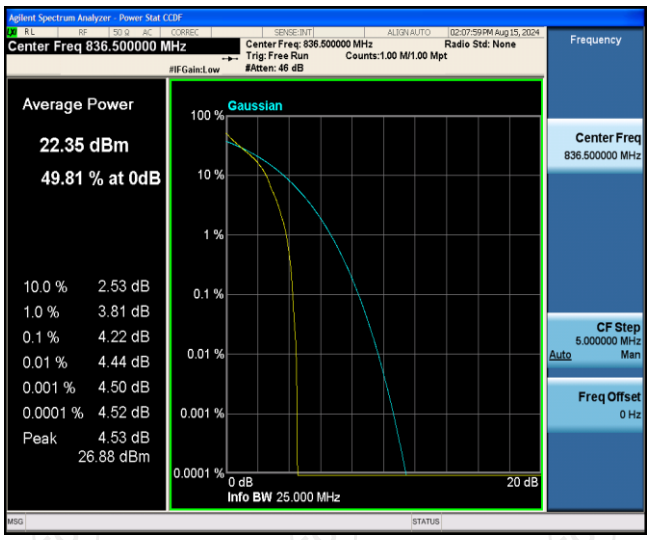
Hotline: 400-6611-140 Tel: 86-755-27673339 Fax: 86-755-27673332 http://www.tct-lab.com



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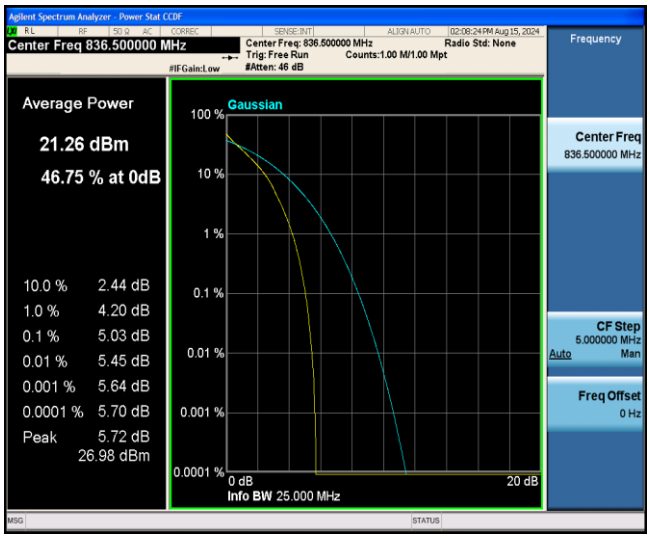

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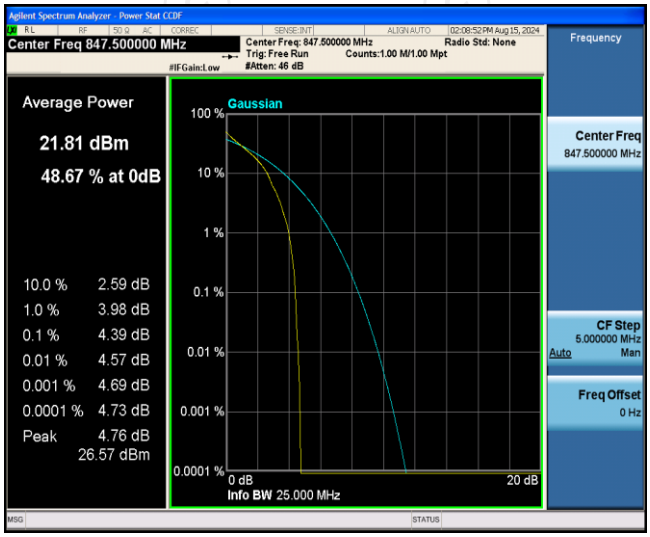

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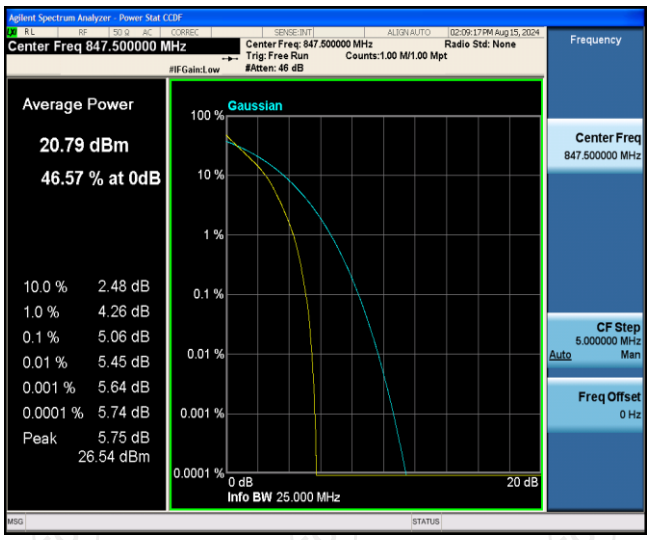
Hotline: 400-6611-140 Tel: 86-755-27673339 Fax: 86-755-27673332 http://www.tct-lab.com



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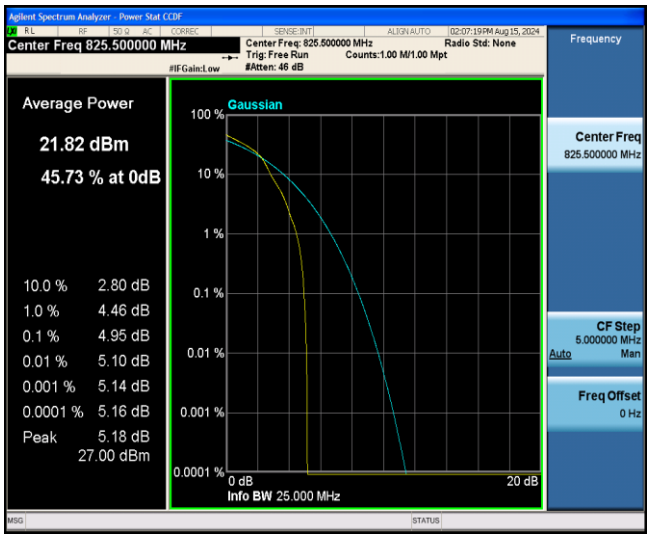

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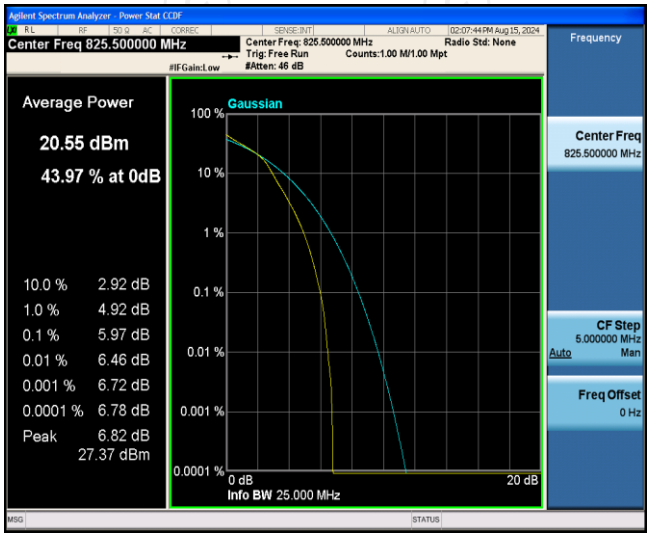

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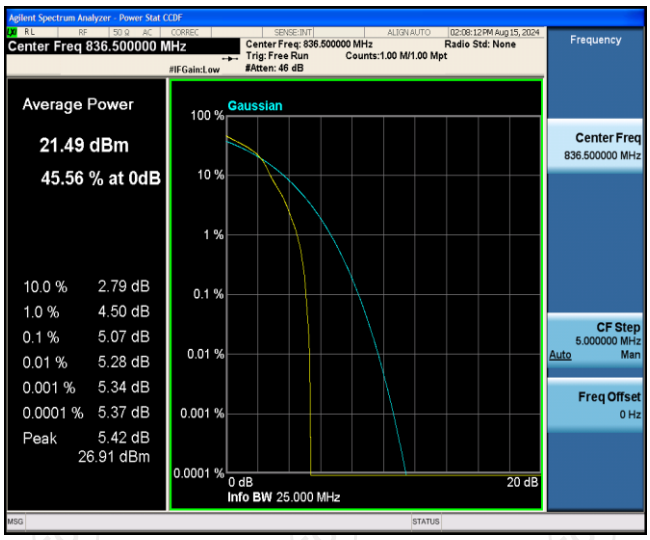
Hotline: 400-6611-140 Tel: 86-755-27673339 Fax: 86-755-27673332 http://www.tct-lab.com



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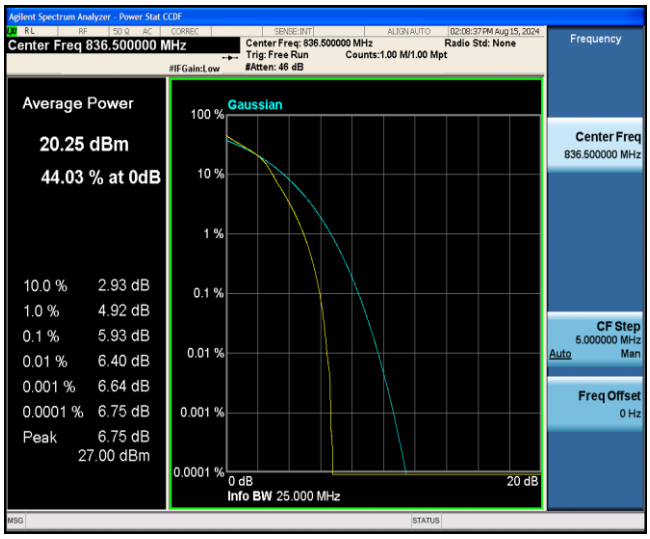

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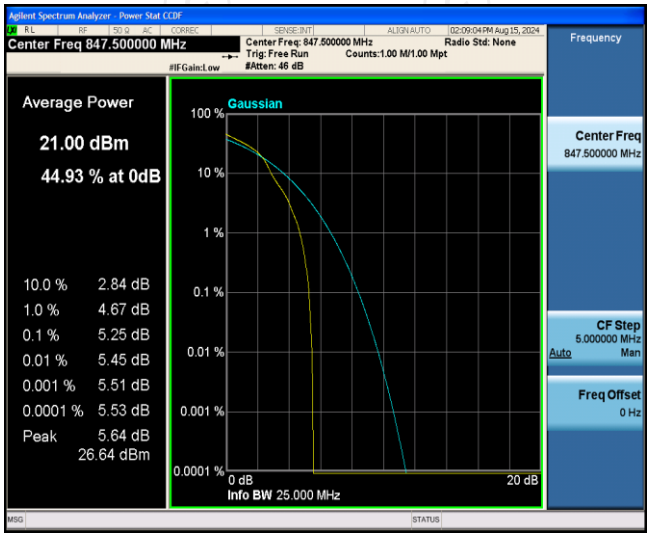

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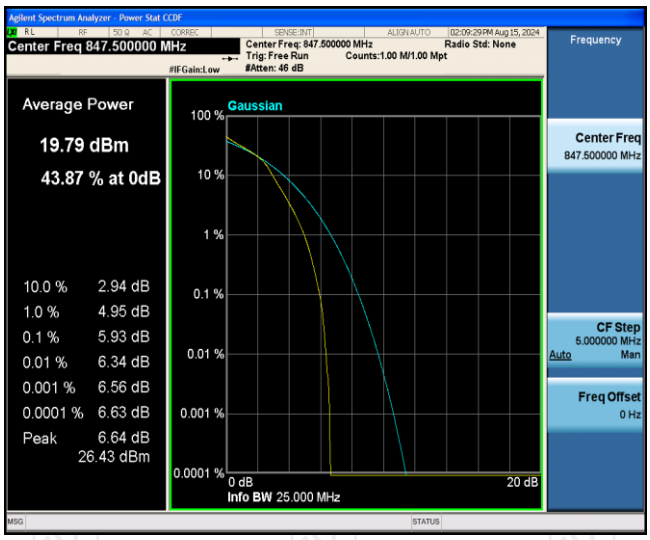

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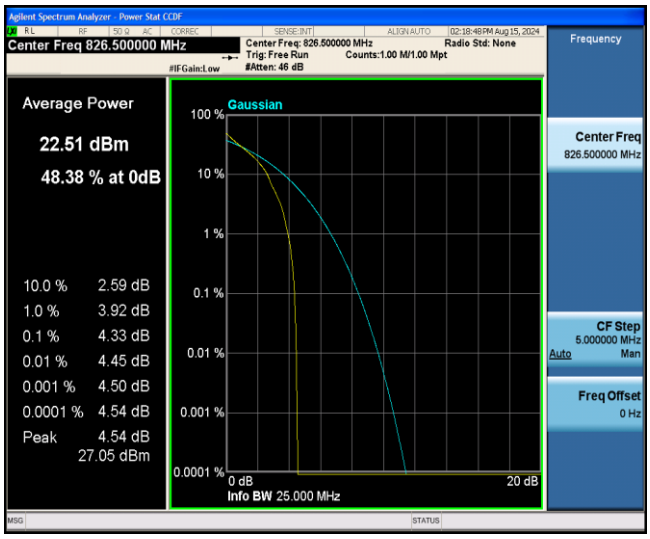

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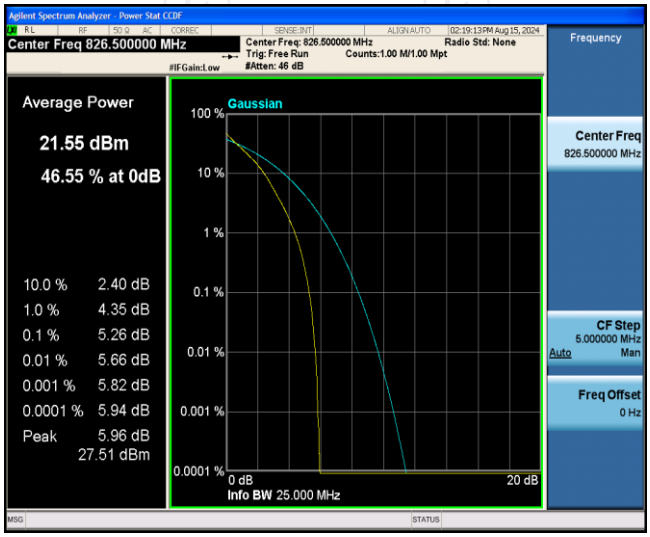

Band5-5MHz-QPSK-20425-25RB#0

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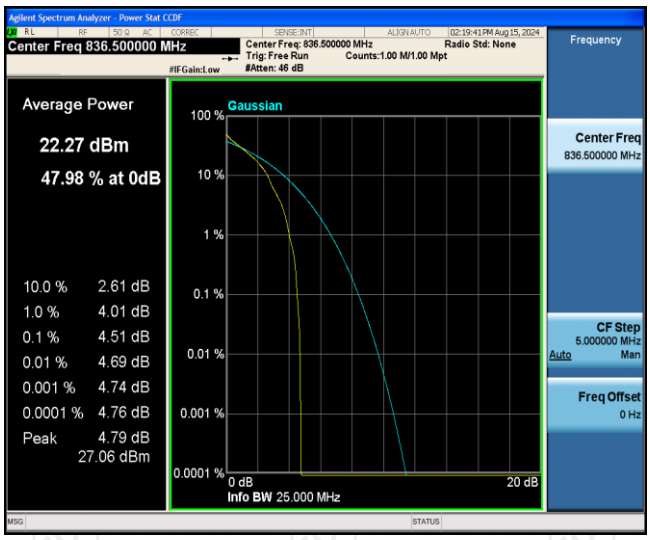

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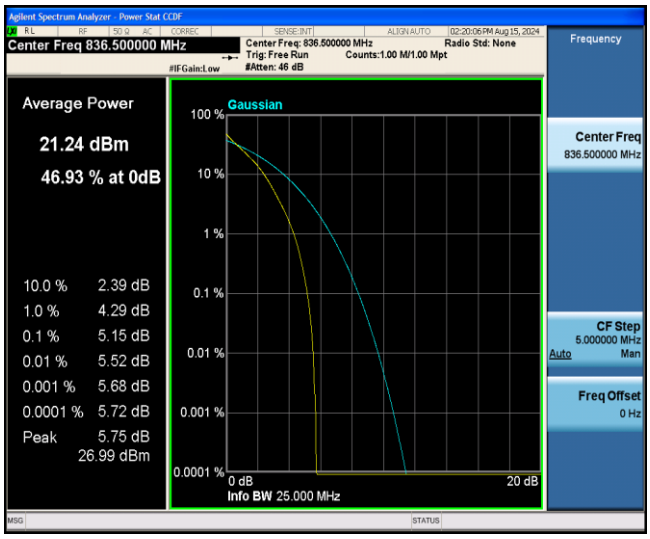

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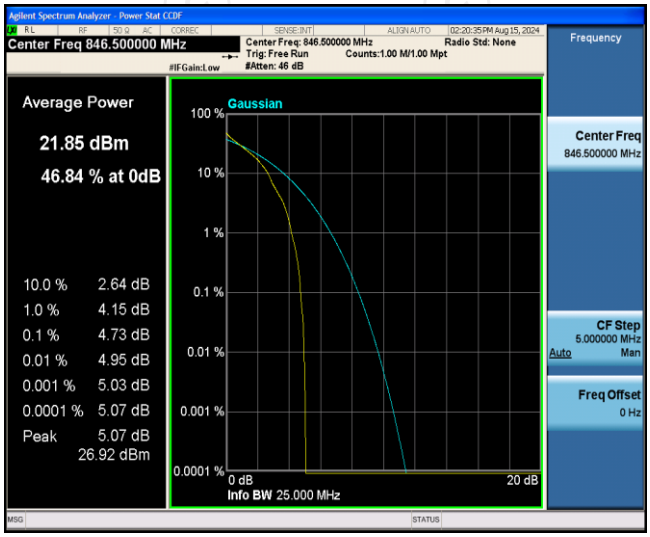

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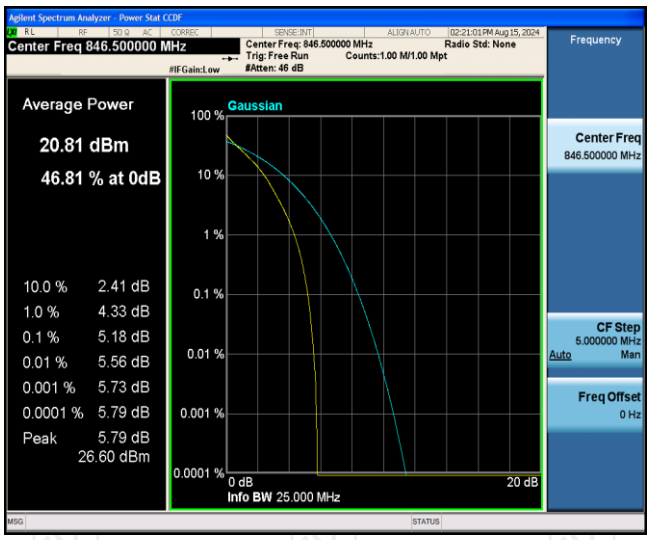

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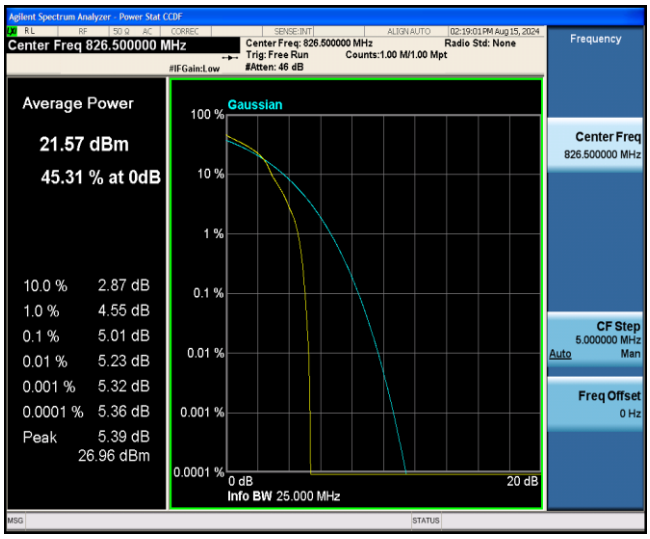

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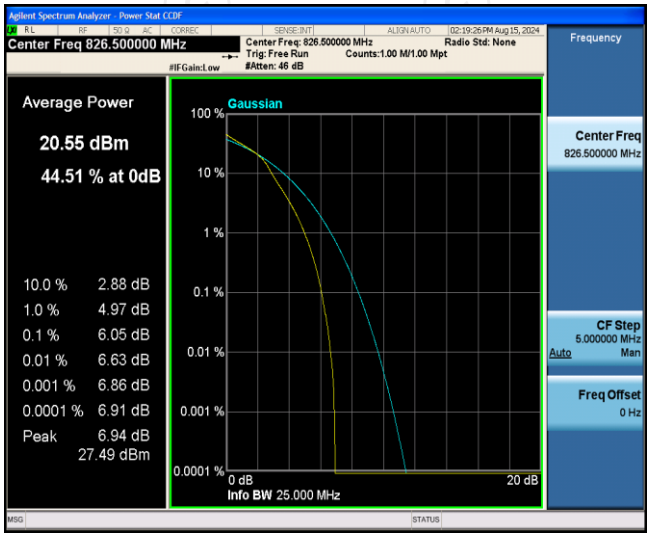
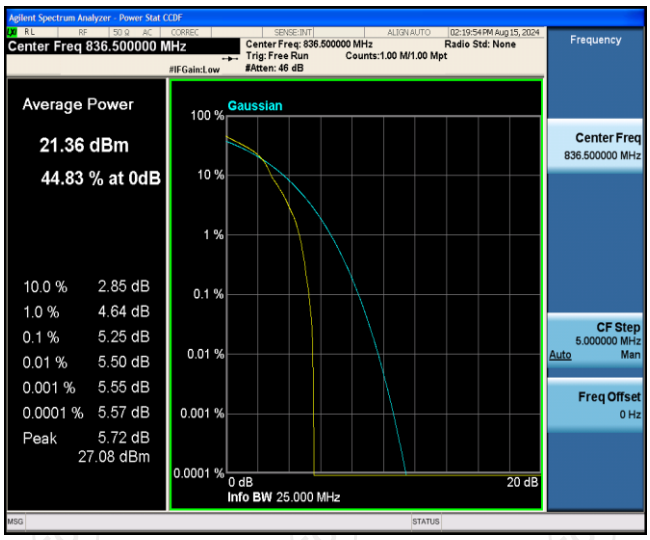


Band5-5MHz-16QAM-20425-25RB#0

Hotline: 400-6611-140 Tel: 86-755-27673339 Fax: 86-755-27673332 http://www.tct-lab.com



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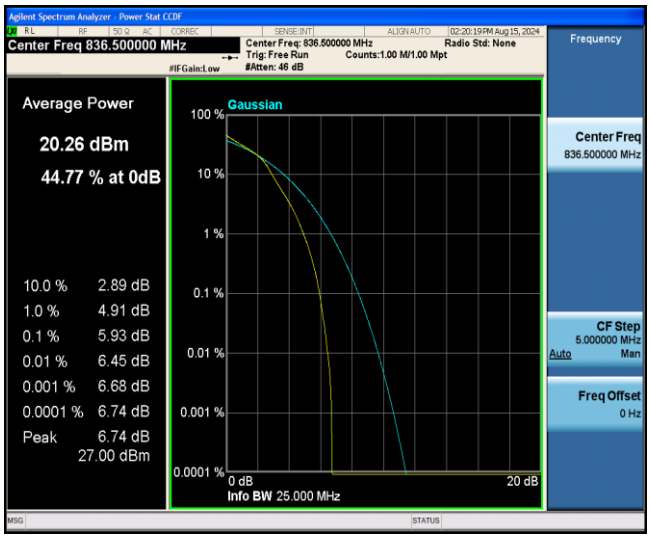

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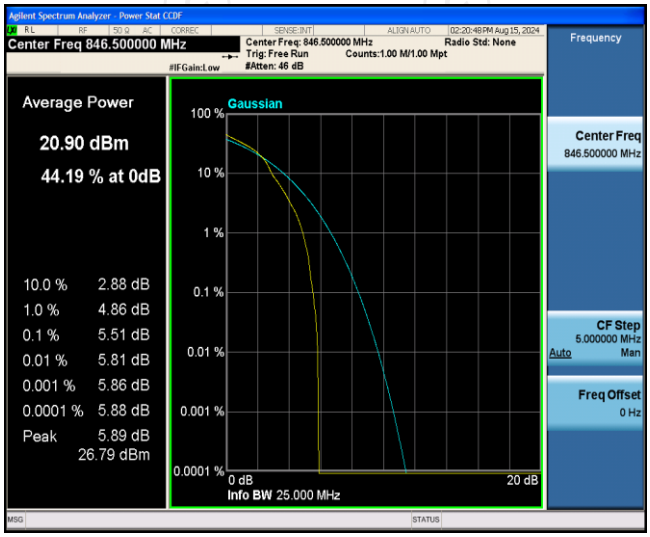

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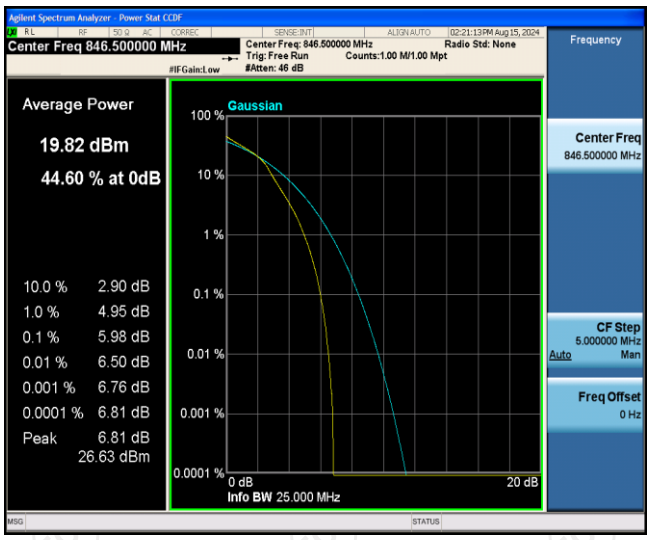
Hotline: 400-6611-140 Tel: 86-755-27673339 Fax: 86-755-27673332 http://www.tct-lab.com



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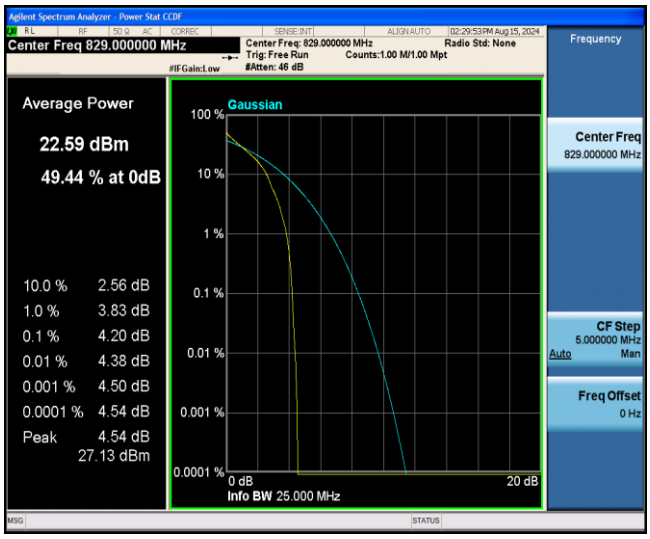

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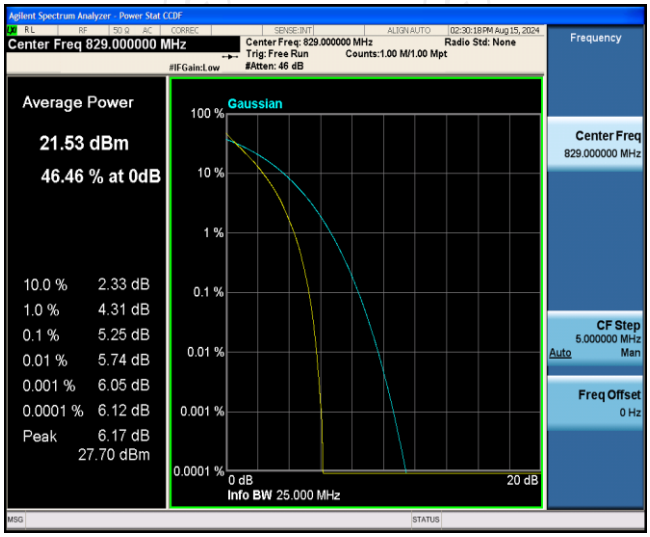

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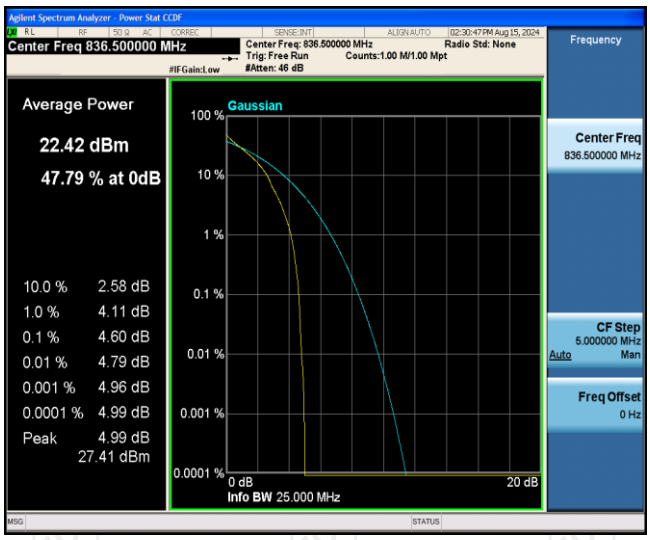
Hotline: 400-6611-140 Tel: 86-755-27673339 Fax: 86-755-27673332 http://www.tct-lab.com



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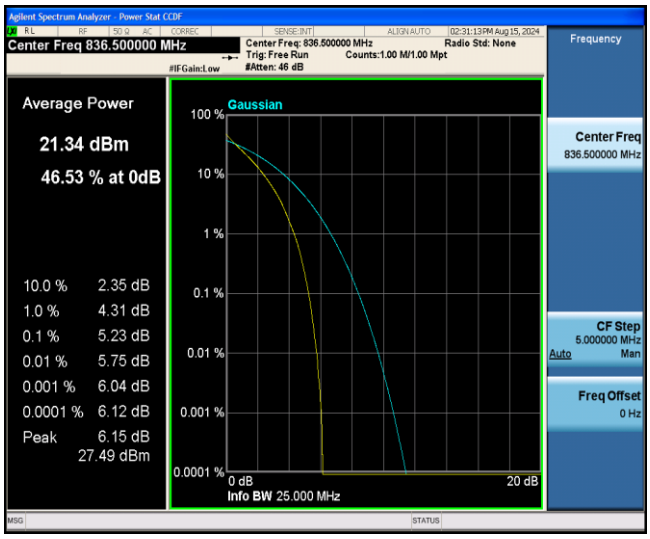

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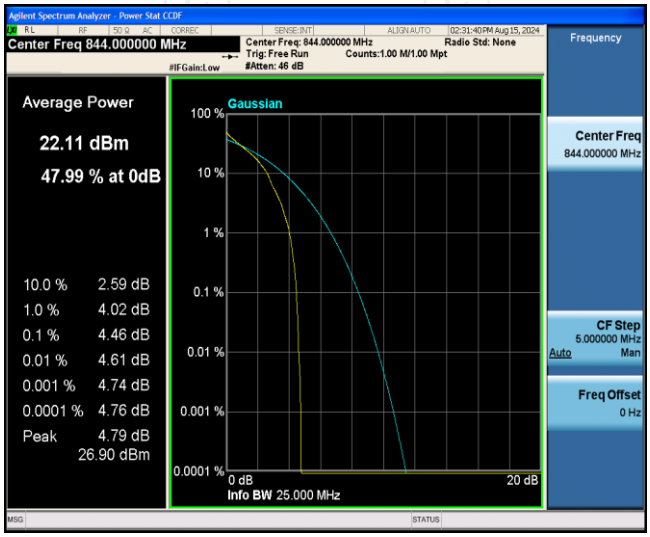

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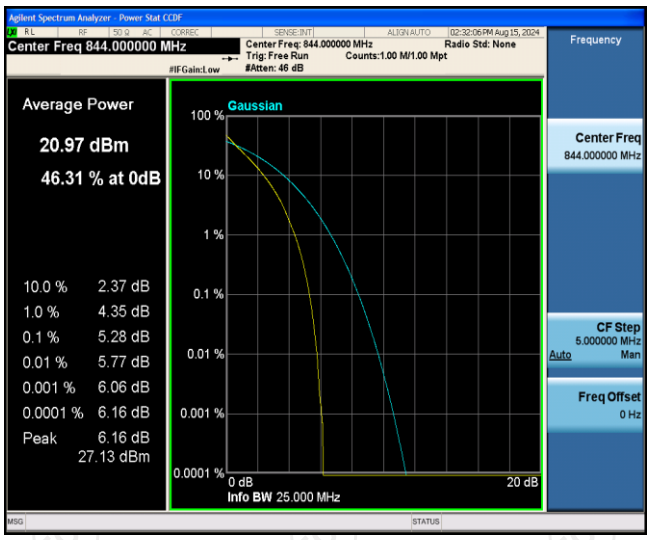

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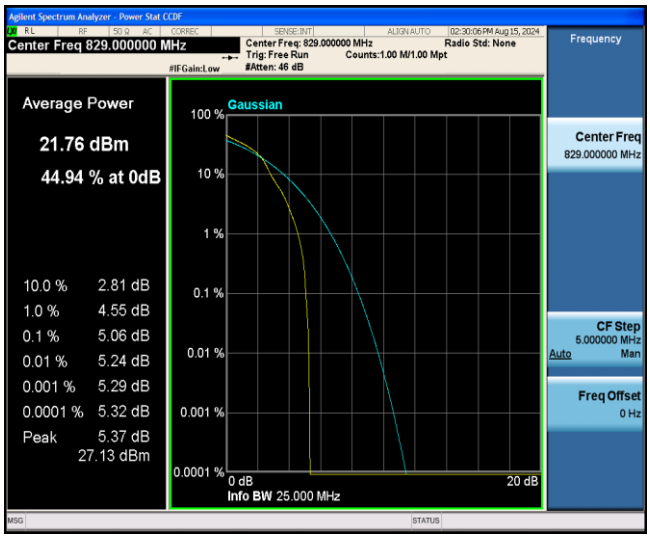

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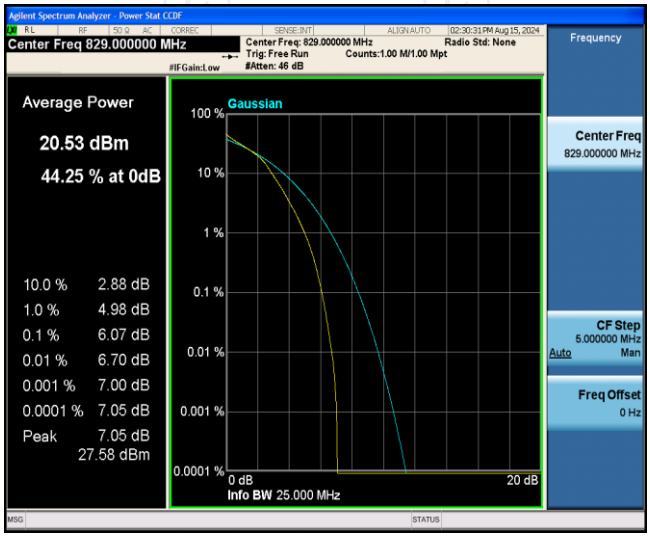

Band5-10MHz-16QAM-20450-50RB#0

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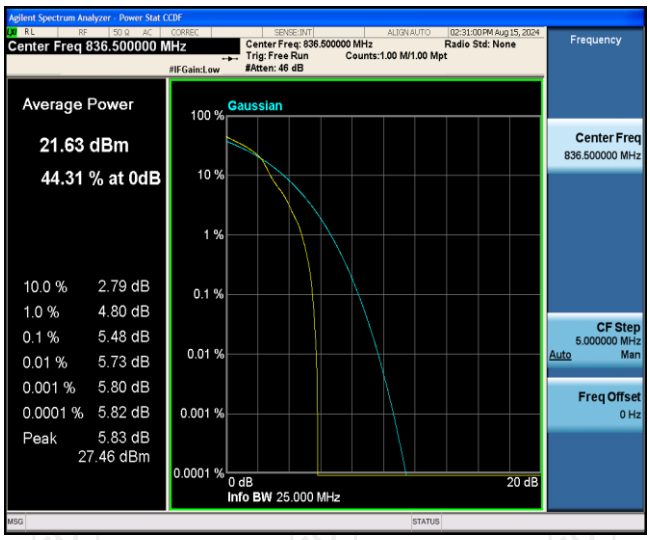

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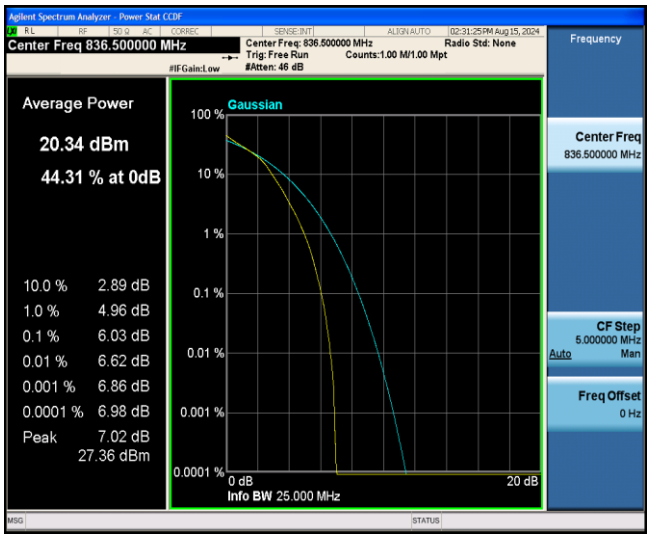

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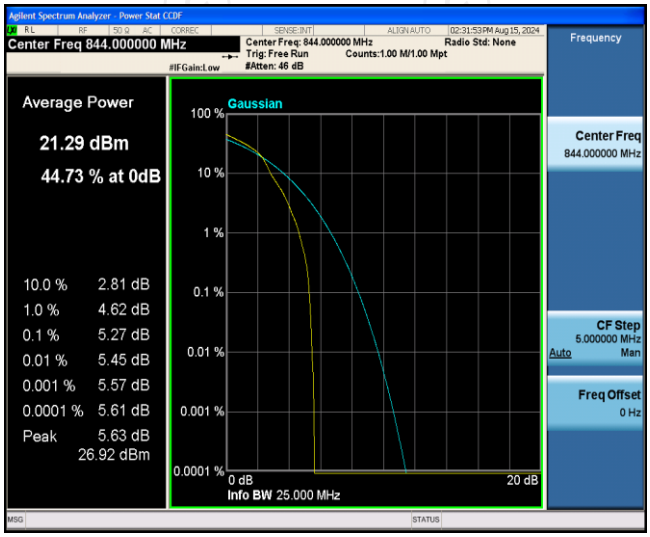
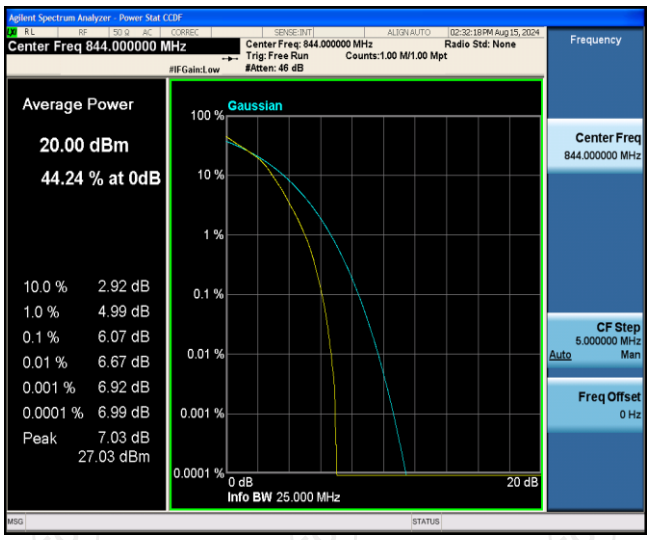


Band5-10MHz-16QAM-20600-1RB#0

Hotline: 400-6611-140 Tel: 86-755-27673339 Fax: 86-755-27673332 http://www.tct-lab.com



Band5-10MHz-16QAM-20600-50RB#0

Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	1.0866	1.252	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.0850	1.241	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.0868	1.253	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.0901	1.271	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.0876	1.231	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.0889	1.262	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.6903	2.850	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.6855	2.852	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.6913	2.865	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.6819	2.868	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.6819	2.868	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.6869	2.845	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.4948	4.829	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.4958	4.800	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.4943	4.803	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.4972	4.790	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.5046	4.789	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.4984	4.805	PASS
Band5	10MHz	QPSK	20450	50RB#0	8.9869	9.524	PASS
Band5	10MHz	QPSK	20525	50RB#0	8.9886	9.526	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.9778	9.514	PASS
Band5	10MHz	16QAM	20450	50RB#0	8.9684	9.508	PASS
Band5	10MHz	16QAM	20525	50RB#0	8.9761	9.505	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.9670	9.495	PASS

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