

FCC Appendix RF Test Data for LTE band 12

Company : HK EKO ELECTRONICS LIMITED

EUT : 4G LTE Solar Cellular Battery Camera

Model Number : Q505

Report No. : CTA26090401604

FCC ID : 2BR3K-SECCAM-Q505

Reviewed By : Eric Wang

Appendix A: Conducted power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	24.69	PASS
Band12	1.4MHz	QPSK	23017	1RB#2	24.45	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	24.13	PASS
Band12	1.4MHz	QPSK	23017	3RB#0	24.38	PASS
Band12	1.4MHz	QPSK	23017	3RB#1	24.44	PASS
Band12	1.4MHz	QPSK	23017	3RB#3	24.08	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	23.28	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	23.07	PASS
Band12	1.4MHz	QPSK	23095	1RB#2	23.21	PASS
Band12	1.4MHz	QPSK	23095	1RB#5	23.45	PASS
Band12	1.4MHz	QPSK	23095	3RB#0	22.91	PASS
Band12	1.4MHz	QPSK	23095	3RB#1	22.98	PASS
Band12	1.4MHz	QPSK	23095	3RB#3	23.21	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	22.08	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	23.38	PASS
Band12	1.4MHz	QPSK	23173	1RB#2	23.02	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	22.83	PASS
Band12	1.4MHz	QPSK	23173	3RB#0	23.02	PASS
Band12	1.4MHz	QPSK	23173	3RB#1	23.10	PASS
Band12	1.4MHz	QPSK	23173	3RB#3	22.79	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	21.92	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	23.81	PASS
Band12	1.4MHz	16QAM	23017	1RB#2	23.51	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	23.16	PASS
Band12	1.4MHz	16QAM	23017	3RB#0	23.40	PASS
Band12	1.4MHz	16QAM	23017	3RB#1	23.36	PASS
Band12	1.4MHz	16QAM	23017	3RB#3	23.01	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	22.48	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	21.89	PASS
Band12	1.4MHz	16QAM	23095	1RB#2	22.37	PASS
Band12	1.4MHz	16QAM	23095	1RB#5	22.46	PASS
Band12	1.4MHz	16QAM	23095	3RB#0	22.08	PASS

Band12	1.4MHz	16QAM	23095	3RB#1	22.03	PASS
Band12	1.4MHz	16QAM	23095	3RB#3	22.30	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	21.21	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	22.39	PASS
Band12	1.4MHz	16QAM	23173	1RB#2	22.09	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	21.87	PASS
Band12	1.4MHz	16QAM	23173	3RB#0	21.98	PASS
Band12	1.4MHz	16QAM	23173	3RB#1	21.94	PASS
Band12	1.4MHz	16QAM	23173	3RB#3	21.65	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	21.15	PASS
Band12	3MHz	QPSK	23025	1RB#0	24.52	PASS
Band12	3MHz	QPSK	23025	1RB#8	23.81	PASS
Band12	3MHz	QPSK	23025	1RB#14	23.01	PASS
Band12	3MHz	QPSK	23025	8RB#0	23.46	PASS
Band12	3MHz	QPSK	23025	8RB#4	23.51	PASS
Band12	3MHz	QPSK	23025	8RB#7	22.74	PASS
Band12	3MHz	QPSK	23025	15RB#0	23.15	PASS
Band12	3MHz	QPSK	23095	1RB#0	22.53	PASS
Band12	3MHz	QPSK	23095	1RB#8	23.23	PASS
Band12	3MHz	QPSK	23095	1RB#14	23.70	PASS
Band12	3MHz	QPSK	23095	8RB#0	21.77	PASS
Band12	3MHz	QPSK	23095	8RB#4	21.79	PASS
Band12	3MHz	QPSK	23095	8RB#7	22.46	PASS
Band12	3MHz	QPSK	23095	15RB#0	22.18	PASS
Band12	3MHz	QPSK	23165	1RB#0	24.46	PASS
Band12	3MHz	QPSK	23165	1RB#8	23.44	PASS
Band12	3MHz	QPSK	23165	1RB#14	22.80	PASS
Band12	3MHz	QPSK	23165	8RB#0	22.87	PASS
Band12	3MHz	QPSK	23165	8RB#4	22.85	PASS
Band12	3MHz	QPSK	23165	8RB#7	22.12	PASS
Band12	3MHz	QPSK	23165	15RB#0	22.48	PASS
Band12	3MHz	16QAM	23025	1RB#0	24.00	PASS
Band12	3MHz	16QAM	23025	1RB#8	23.30	PASS
Band12	3MHz	16QAM	23025	1RB#14	22.42	PASS
Band12	3MHz	16QAM	23025	8RB#0	22.60	PASS
Band12	3MHz	16QAM	23025	8RB#4	22.60	PASS
Band12	3MHz	16QAM	23025	8RB#7	21.85	PASS

Band12	3MHz	16QAM	23025	15RB#0	22.10	PASS
Band12	3MHz	16QAM	23095	1RB#0	21.53	PASS
Band12	3MHz	16QAM	23095	1RB#8	22.35	PASS
Band12	3MHz	16QAM	23095	1RB#14	22.74	PASS
Band12	3MHz	16QAM	23095	8RB#0	20.82	PASS
Band12	3MHz	16QAM	23095	8RB#4	20.83	PASS
Band12	3MHz	16QAM	23095	8RB#7	21.49	PASS
Band12	3MHz	16QAM	23095	15RB#0	21.17	PASS
Band12	3MHz	16QAM	23165	1RB#0	23.41	PASS
Band12	3MHz	16QAM	23165	1RB#8	22.55	PASS
Band12	3MHz	16QAM	23165	1RB#14	21.67	PASS
Band12	3MHz	16QAM	23165	8RB#0	22.06	PASS
Band12	3MHz	16QAM	23165	8RB#4	21.96	PASS
Band12	3MHz	16QAM	23165	8RB#7	21.33	PASS
Band12	3MHz	16QAM	23165	15RB#0	21.60	PASS
Band12	5MHz	QPSK	23035	1RB#0	24.94	PASS
Band12	5MHz	QPSK	23035	1RB#12	23.35	PASS
Band12	5MHz	QPSK	23035	1RB#24	22.72	PASS
Band12	5MHz	QPSK	23035	12RB#0	23.30	PASS
Band12	5MHz	QPSK	23035	12RB#6	23.37	PASS
Band12	5MHz	QPSK	23035	12RB#13	22.14	PASS
Band12	5MHz	QPSK	23035	25RB#0	22.78	PASS
Band12	5MHz	QPSK	23095	1RB#0	23.02	PASS
Band12	5MHz	QPSK	23095	1RB#12	23.31	PASS
Band12	5MHz	QPSK	23095	1RB#24	24.68	PASS
Band12	5MHz	QPSK	23095	12RB#0	21.74	PASS
Band12	5MHz	QPSK	23095	12RB#6	21.79	PASS
Band12	5MHz	QPSK	23095	12RB#13	22.93	PASS
Band12	5MHz	QPSK	23095	25RB#0	22.45	PASS
Band12	5MHz	QPSK	23155	1RB#0	25.51	PASS
Band12	5MHz	QPSK	23155	1RB#12	23.97	PASS
Band12	5MHz	QPSK	23155	1RB#24	23.09	PASS
Band12	5MHz	QPSK	23155	12RB#0	23.62	PASS
Band12	5MHz	QPSK	23155	12RB#6	23.72	PASS
Band12	5MHz	QPSK	23155	12RB#13	22.42	PASS
Band12	5MHz	QPSK	23155	25RB#0	23.10	PASS
Band12	5MHz	16QAM	23035	1RB#0	24.06	PASS

Band12	5MHz	16QAM	23035	1RB#12	22.39	PASS
Band12	5MHz	16QAM	23035	1RB#24	21.89	PASS
Band12	5MHz	16QAM	23035	12RB#0	22.50	PASS
Band12	5MHz	16QAM	23035	12RB#6	22.50	PASS
Band12	5MHz	16QAM	23035	12RB#13	21.30	PASS
Band12	5MHz	16QAM	23035	25RB#0	21.80	PASS
Band12	5MHz	16QAM	23095	1RB#0	22.02	PASS
Band12	5MHz	16QAM	23095	1RB#12	22.58	PASS
Band12	5MHz	16QAM	23095	1RB#24	23.96	PASS
Band12	5MHz	16QAM	23095	12RB#0	20.93	PASS
Band12	5MHz	16QAM	23095	12RB#6	20.93	PASS
Band12	5MHz	16QAM	23095	12RB#13	22.07	PASS
Band12	5MHz	16QAM	23095	25RB#0	21.42	PASS
Band12	5MHz	16QAM	23155	1RB#0	24.36	PASS
Band12	5MHz	16QAM	23155	1RB#12	23.04	PASS
Band12	5MHz	16QAM	23155	1RB#24	22.00	PASS
Band12	5MHz	16QAM	23155	12RB#0	22.93	PASS
Band12	5MHz	16QAM	23155	12RB#6	22.95	PASS
Band12	5MHz	16QAM	23155	12RB#13	21.63	PASS
Band12	5MHz	16QAM	23155	25RB#0	22.31	PASS
Band12	10MHz	QPSK	23060	1RB#0	24.77	PASS
Band12	10MHz	QPSK	23060	1RB#24	22.32	PASS
Band12	10MHz	QPSK	23060	1RB#49	23.73	PASS
Band12	10MHz	QPSK	23060	25RB#0	22.45	PASS
Band12	10MHz	QPSK	23060	25RB#12	22.51	PASS
Band12	10MHz	QPSK	23060	25RB#25	21.81	PASS
Band12	10MHz	QPSK	23060	50RB#0	22.12	PASS
Band12	10MHz	QPSK	23095	1RB#0	23.22	PASS
Band12	10MHz	QPSK	23095	1RB#24	23.22	PASS
Band12	10MHz	QPSK	23095	1RB#49	24.93	PASS
Band12	10MHz	QPSK	23095	25RB#0	21.72	PASS
Band12	10MHz	QPSK	23095	25RB#12	21.72	PASS
Band12	10MHz	QPSK	23095	25RB#25	23.39	PASS
Band12	10MHz	QPSK	23095	50RB#0	22.61	PASS
Band12	10MHz	QPSK	23130	1RB#0	23.11	PASS
Band12	10MHz	QPSK	23130	1RB#24	24.95	PASS
Band12	10MHz	QPSK	23130	1RB#49	23.06	PASS

Band12	10MHz	QPSK	23130	25RB#0	22.94	PASS
Band12	10MHz	QPSK	23130	25RB#12	22.97	PASS
Band12	10MHz	QPSK	23130	25RB#25	23.20	PASS
Band12	10MHz	QPSK	23130	50RB#0	23.09	PASS

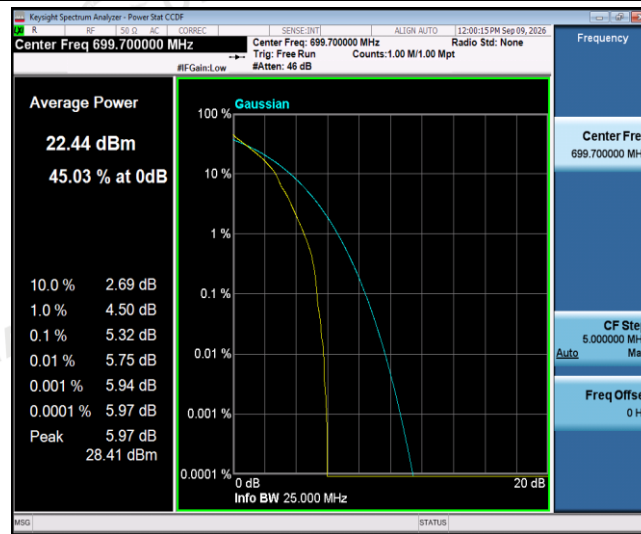
Appendix B: Peak-to-Average Ratio(CCDF)

Test Result

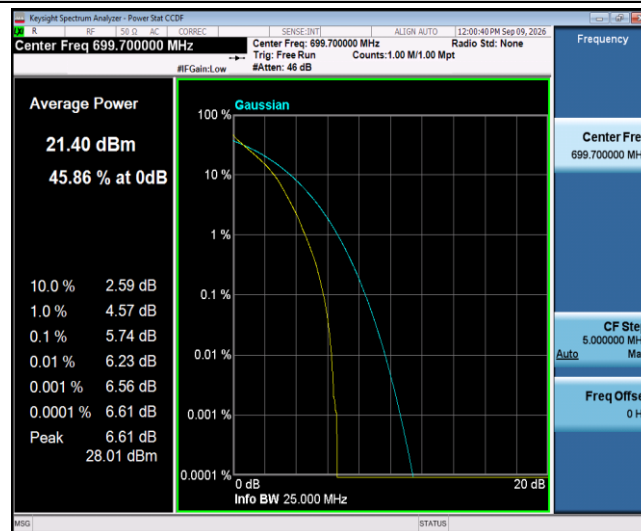
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	5.32	13	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	5.74	13	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	5.65	13	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	6.23	13	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	5.39	13	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	5.77	13	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	6.03	13	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	6.29	13	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	6.40	13	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	6.86	13	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	5.74	13	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	6.42	13	PASS
Band12	3MHz	QPSK	23025	1RB#0	5.32	13	PASS
Band12	3MHz	QPSK	23025	15RB#0	5.64	13	PASS
Band12	3MHz	QPSK	23095	1RB#0	6.10	13	PASS
Band12	3MHz	QPSK	23095	15RB#0	6.30	13	PASS
Band12	3MHz	QPSK	23165	1RB#0	5.21	13	PASS
Band12	3MHz	QPSK	23165	15RB#0	5.67	13	PASS
Band12	3MHz	16QAM	23025	1RB#0	6.22	13	PASS
Band12	3MHz	16QAM	23025	15RB#0	6.32	13	PASS
Band12	3MHz	16QAM	23095	1RB#0	6.83	13	PASS
Band12	3MHz	16QAM	23095	15RB#0	6.93	13	PASS
Band12	3MHz	16QAM	23165	1RB#0	6.25	13	PASS
Band12	3MHz	16QAM	23165	15RB#0	6.40	13	PASS
Band12	5MHz	QPSK	23035	1RB#0	5.02	13	PASS
Band12	5MHz	QPSK	23035	25RB#0	5.86	13	PASS
Band12	5MHz	QPSK	23095	1RB#0	6.17	13	PASS
Band12	5MHz	QPSK	23095	25RB#0	6.12	13	PASS
Band12	5MHz	QPSK	23155	1RB#0	5.21	13	PASS
Band12	5MHz	QPSK	23155	25RB#0	5.72	13	PASS
Band12	5MHz	16QAM	23035	1RB#0	6.07	13	PASS
Band12	5MHz	16QAM	23035	25RB#0	6.42	13	PASS
Band12	5MHz	16QAM	23095	1RB#0	6.46	13	PASS
Band12	5MHz	16QAM	23095	25RB#0	6.75	13	PASS
Band12	5MHz	16QAM	23155	1RB#0	6.17	13	PASS
Band12	5MHz	16QAM	23155	25RB#0	6.31	13	PASS

Band12	10MHz	QPSK	23060	1RB#0	5.24	13	PASS
Band12	10MHz	QPSK	23060	50RB#0	6.09	13	PASS
Band12	10MHz	QPSK	23095	1RB#0	5.67	13	PASS
Band12	10MHz	QPSK	23095	50RB#0	6.06	13	PASS
Band12	10MHz	QPSK	23130	1RB#0	6.00	13	PASS
Band12	10MHz	QPSK	23130	50RB#0	5.80	13	PASS

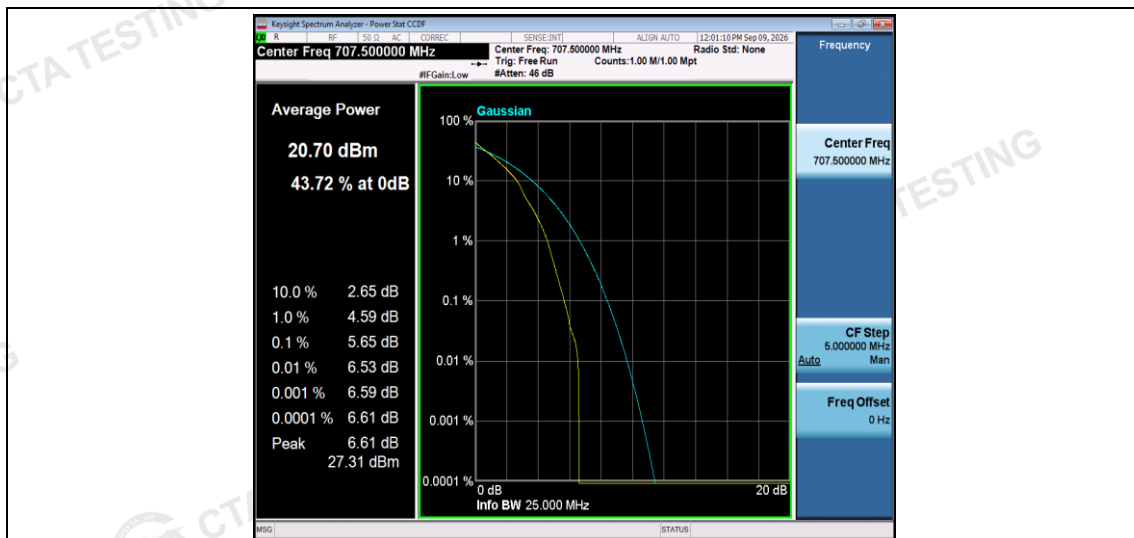
Test Graphs



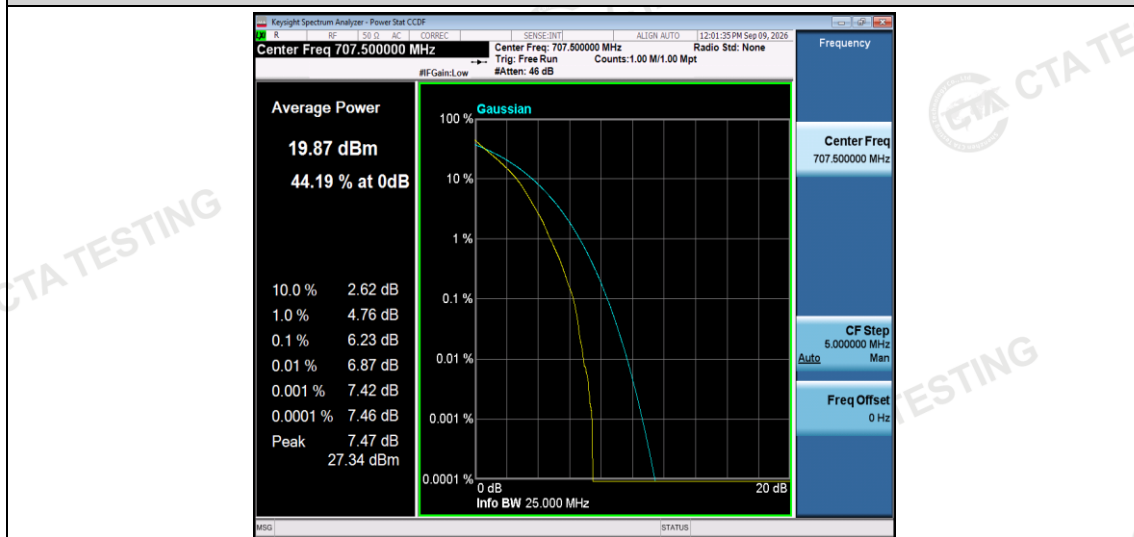
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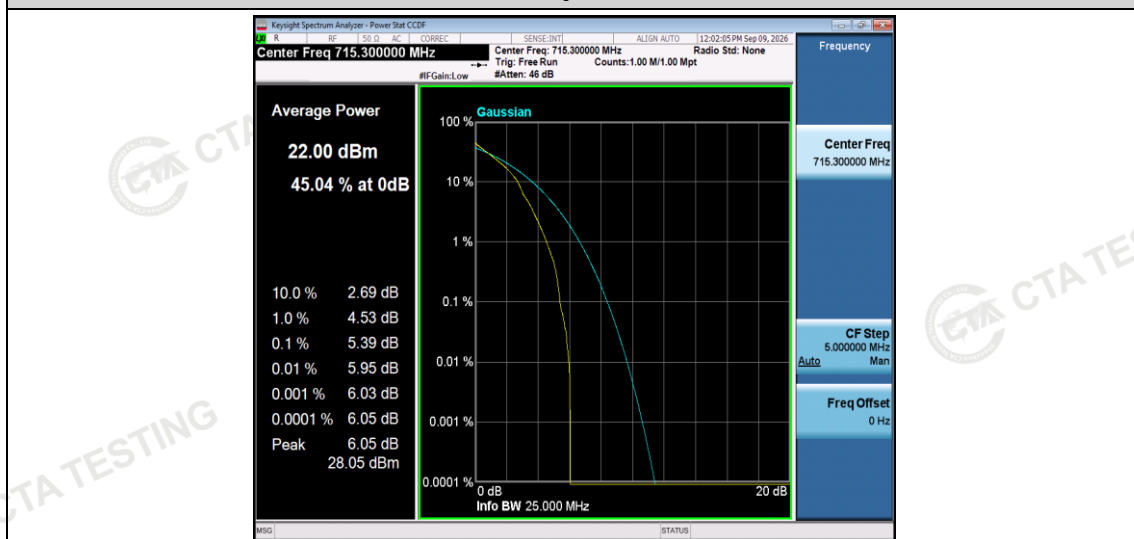
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Band12-1.4MHz-QPSK-23095-1RB#0



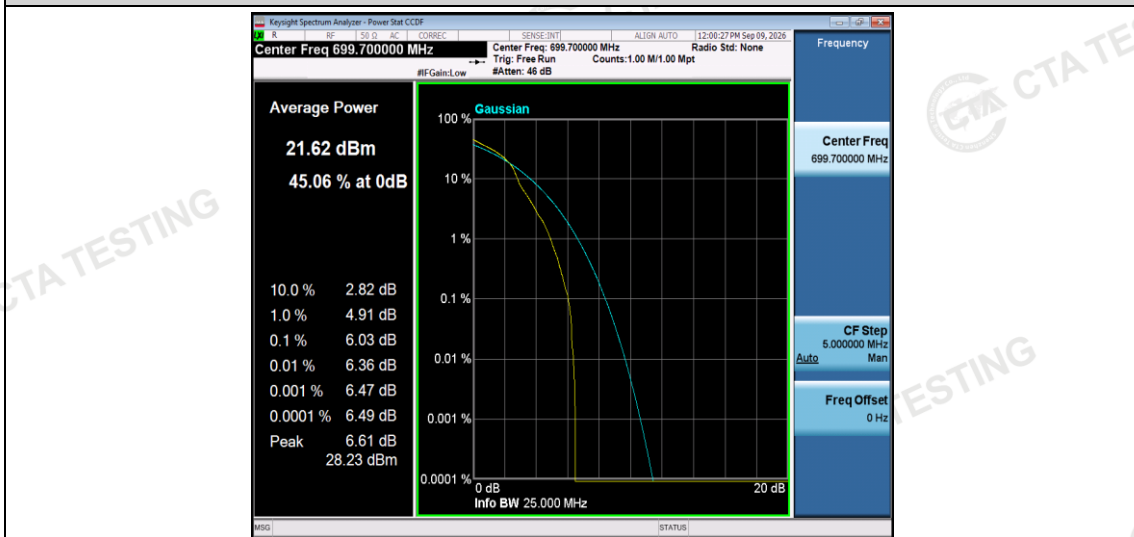
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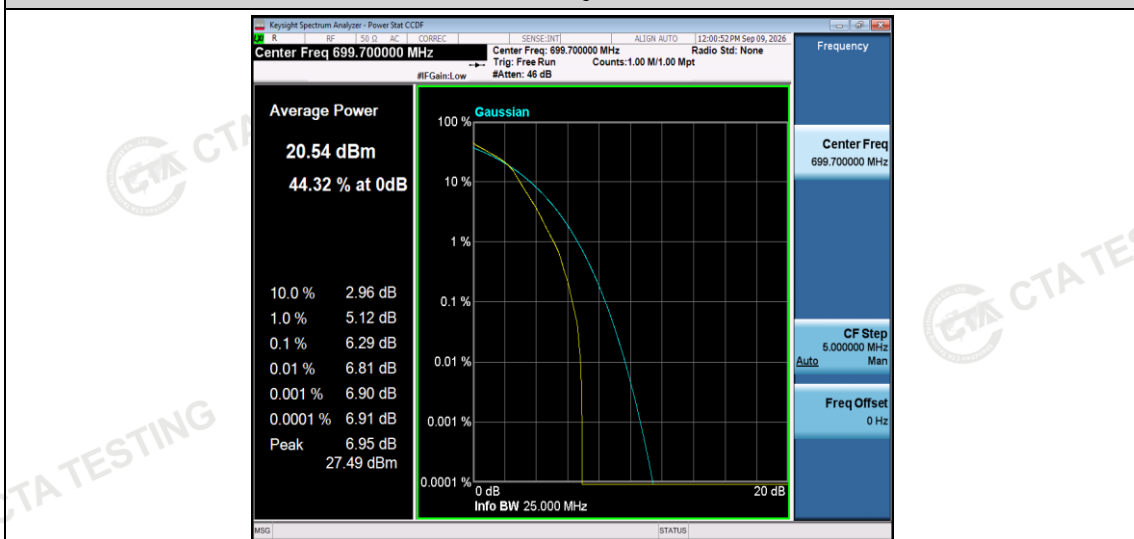
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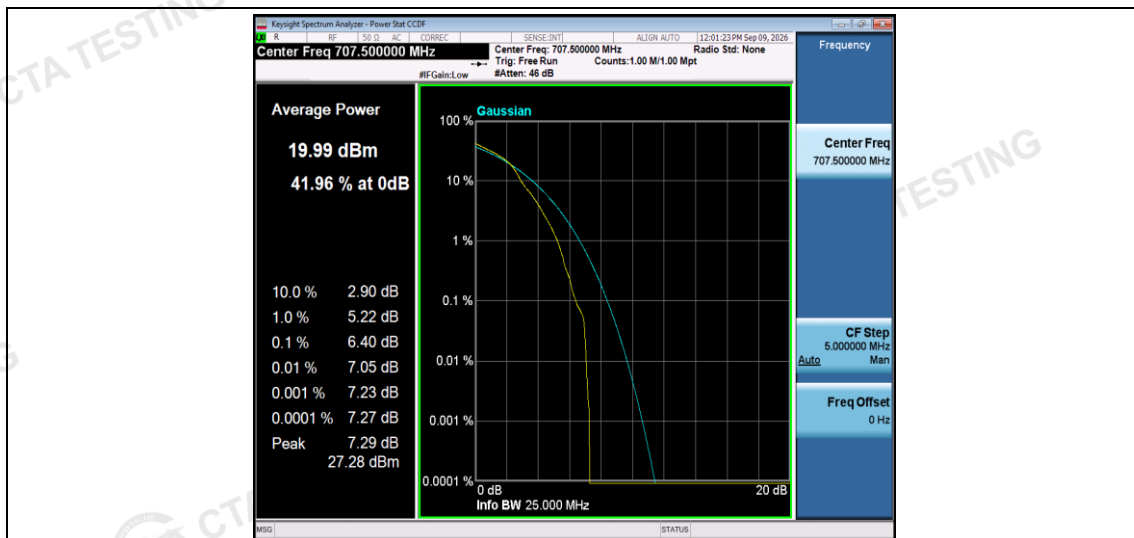
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Band12-1.4MHz-16QAM-23017-1RB#0



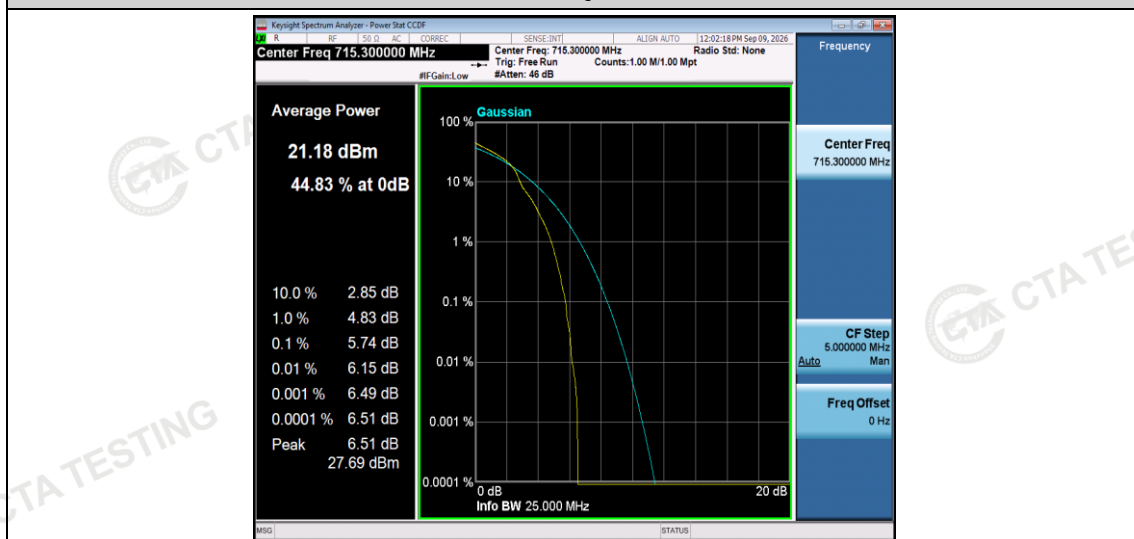
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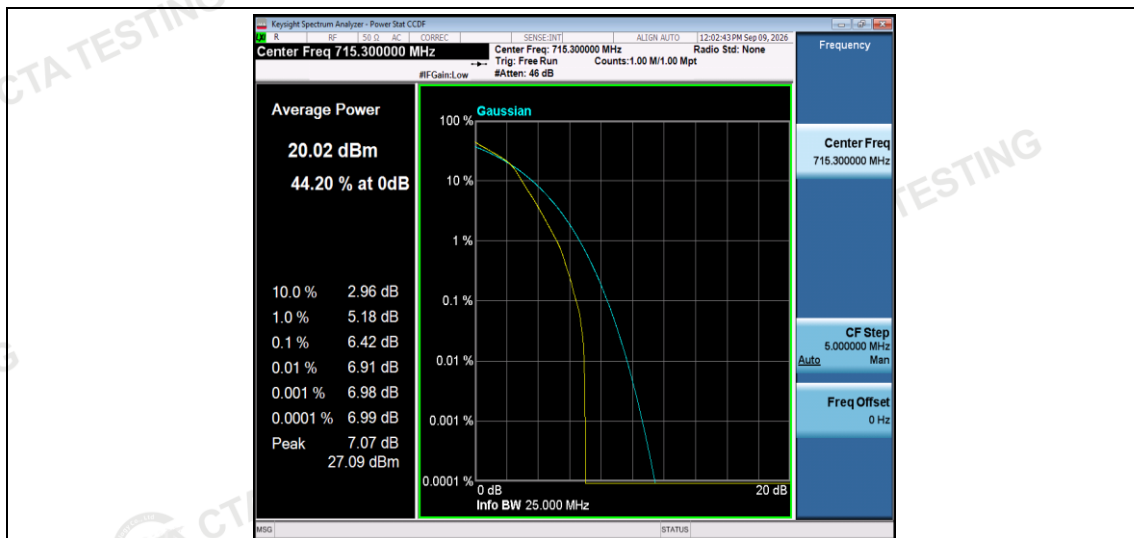
Band12-1.4MHz-16QAM-23095-1RB#0



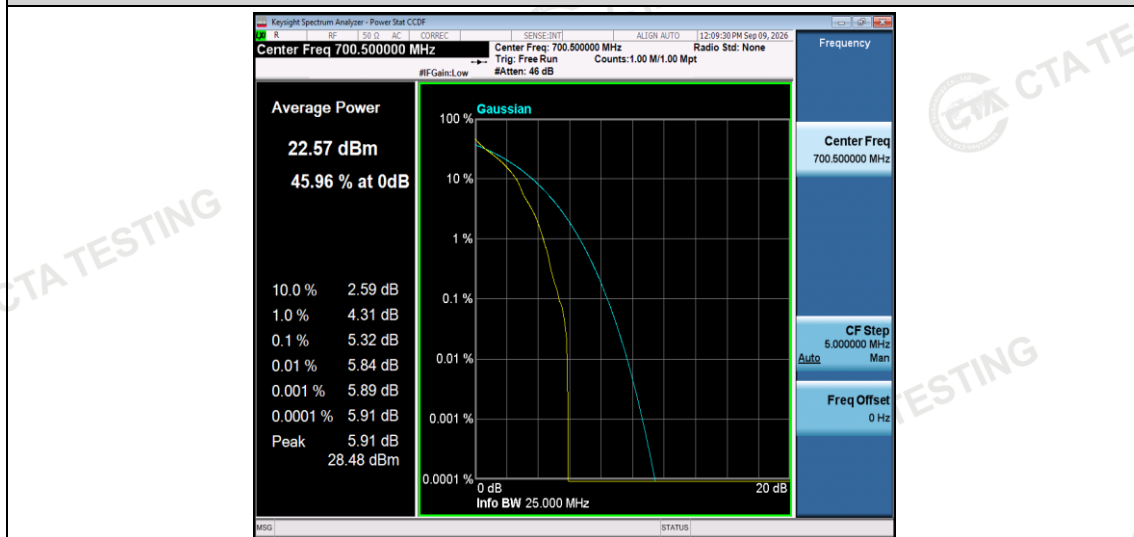
Band12-1.4MHz-16QAM-23095-6RB#0



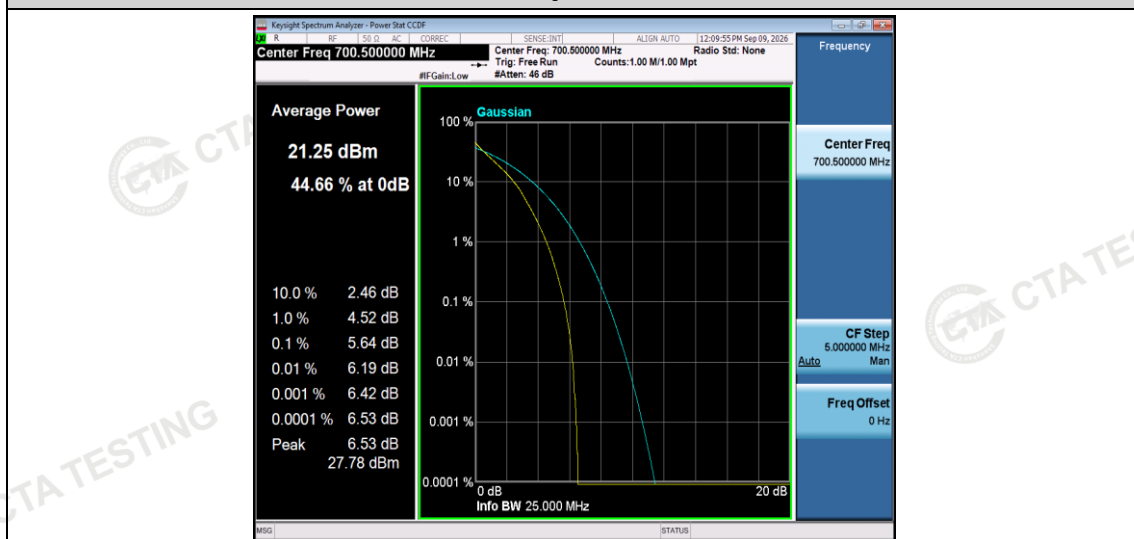
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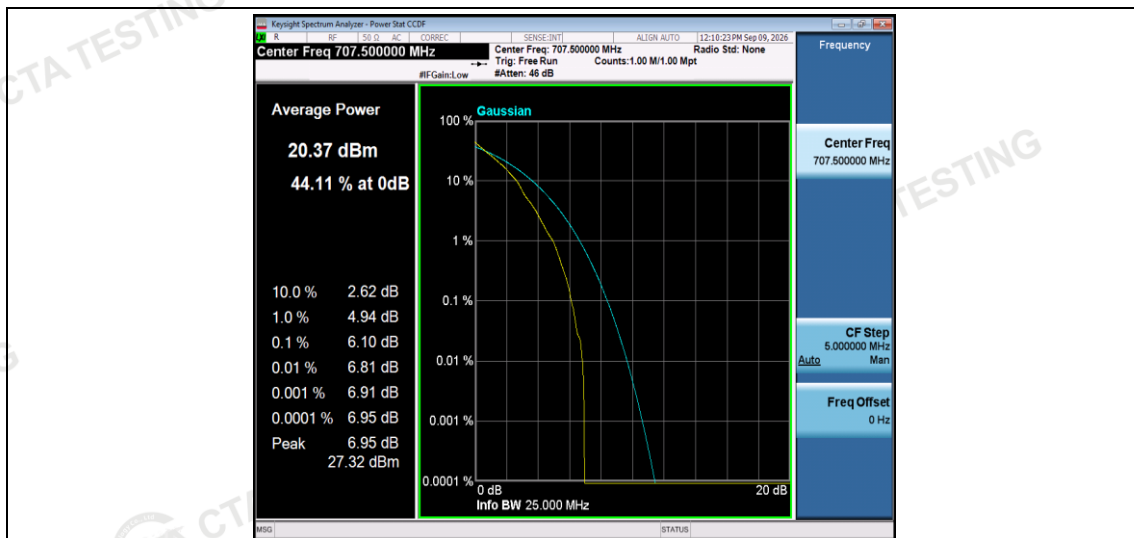
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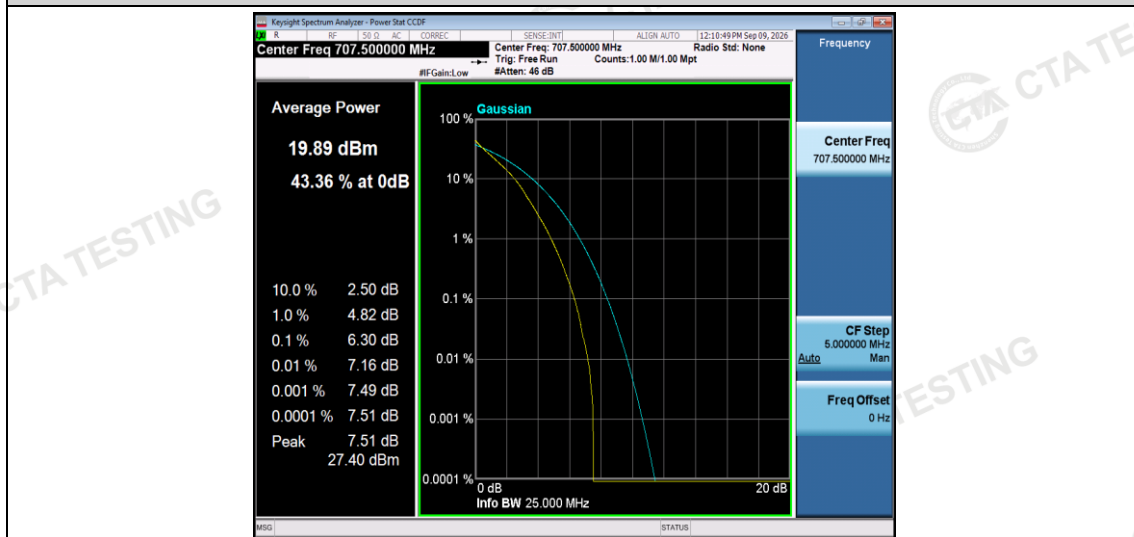
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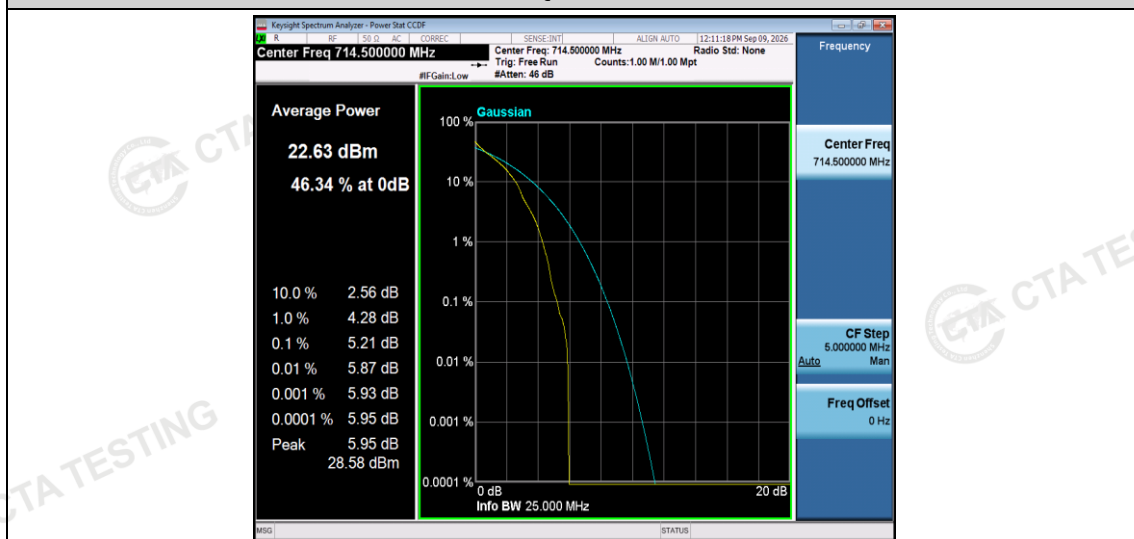
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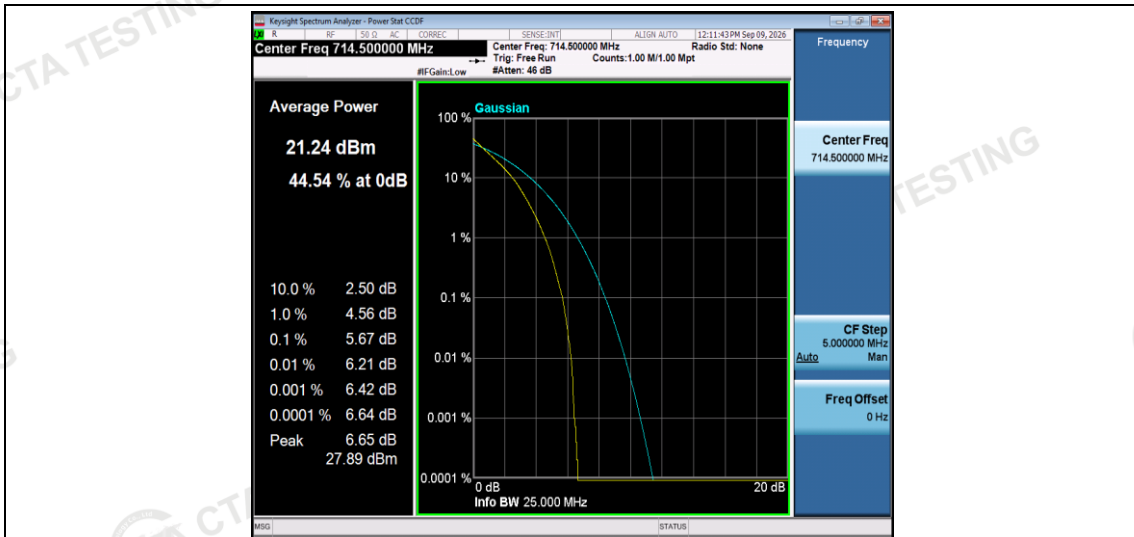
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Band12-3MHz-QPSK-23095-15RB#0



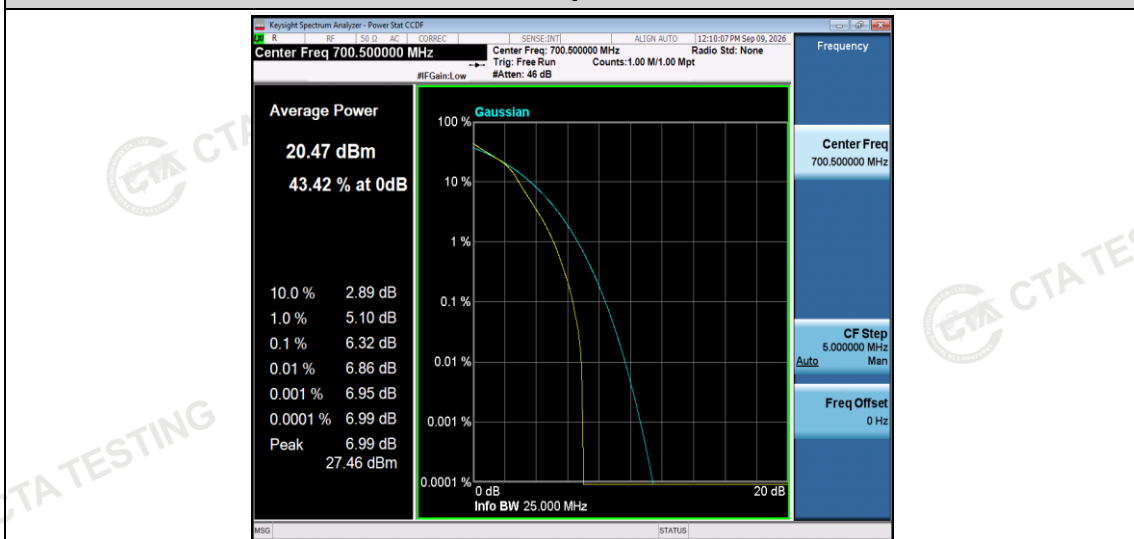
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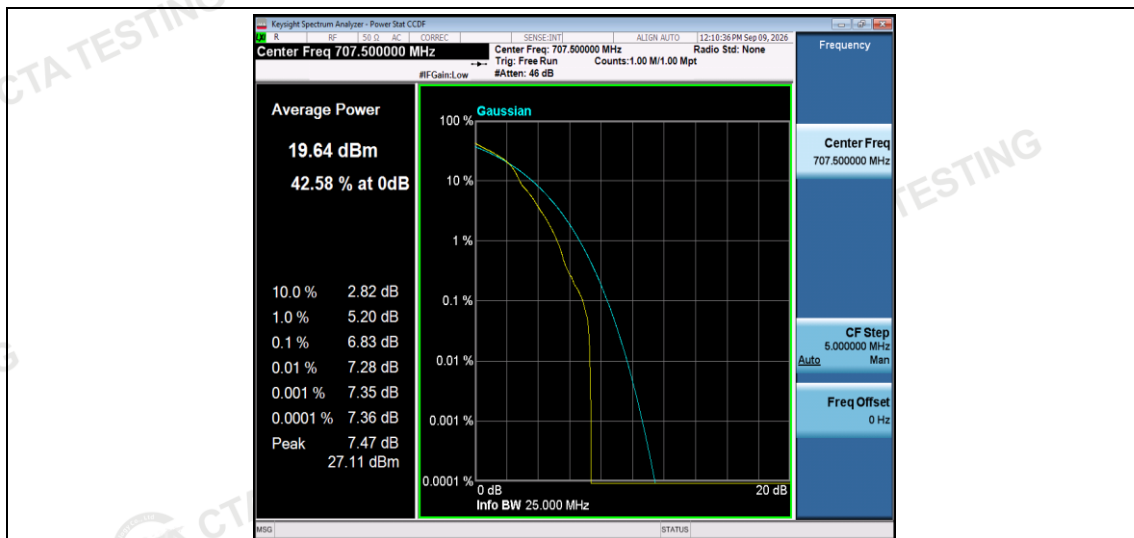
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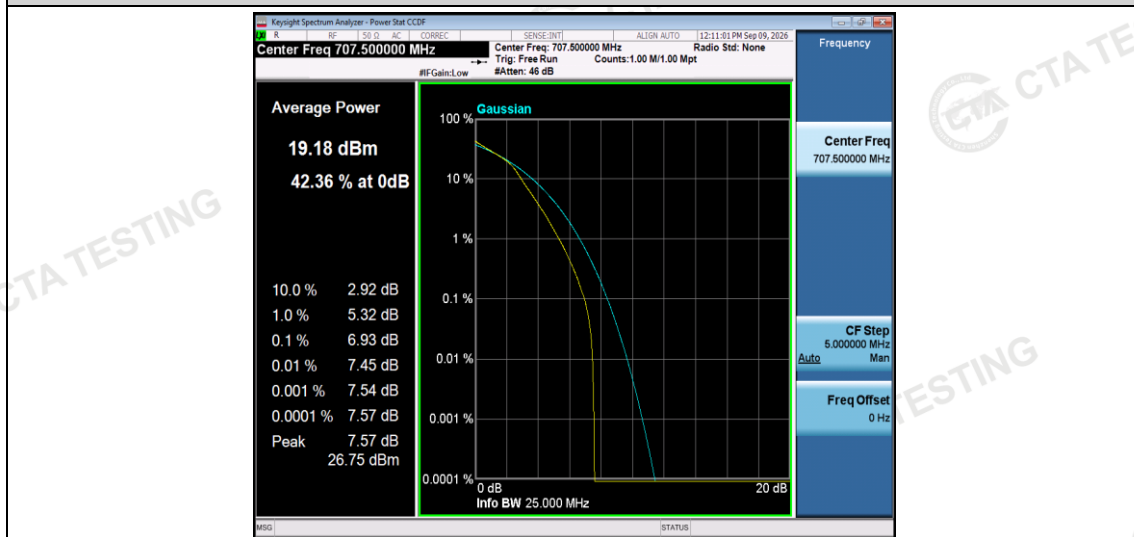
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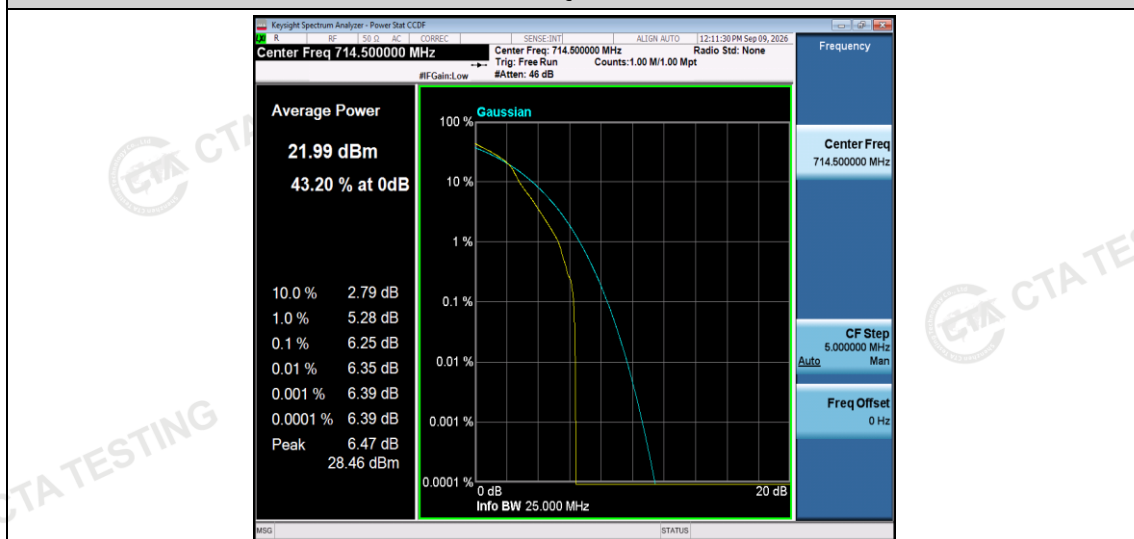
Band12-3MHz-16QAM-23025-15RB#0



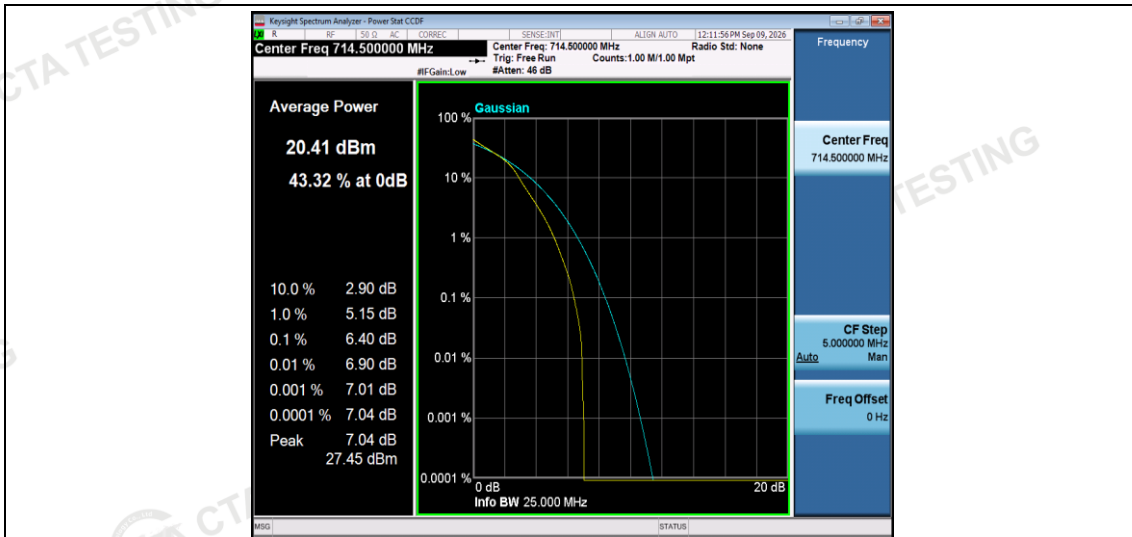
Band12-3MHz-16QAM-23095-1RB#0



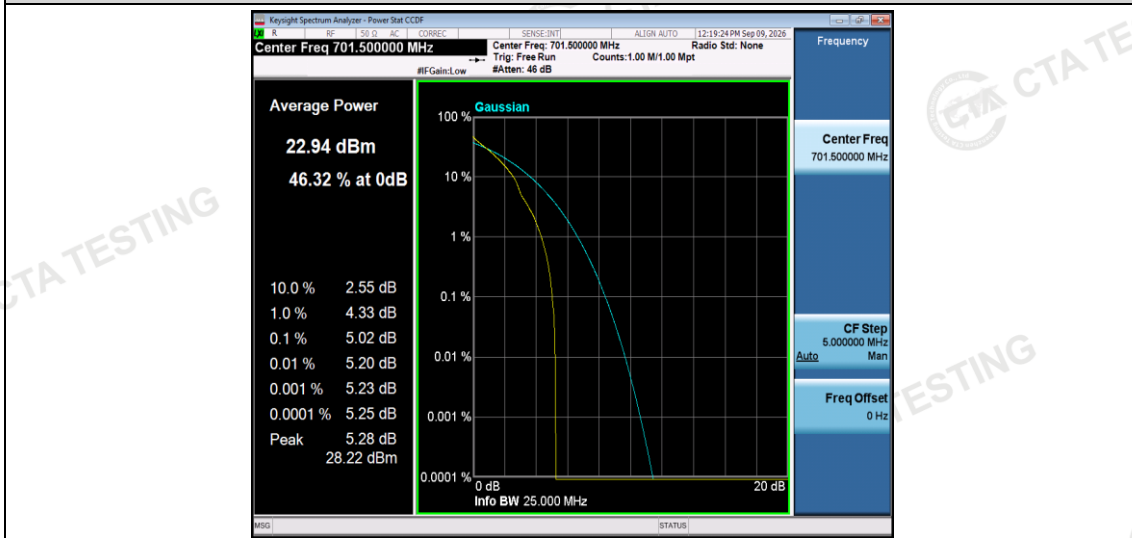
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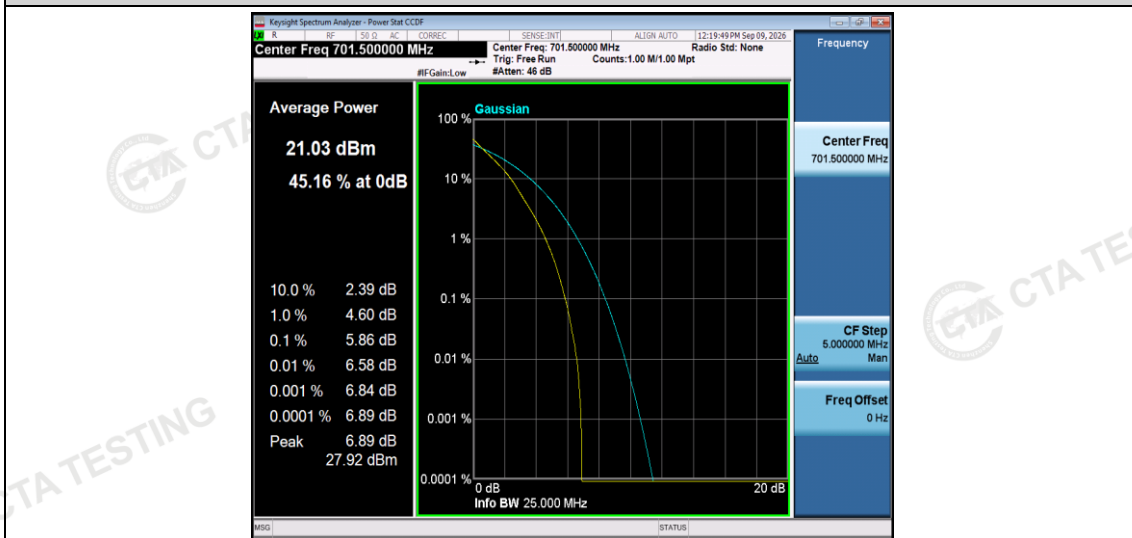
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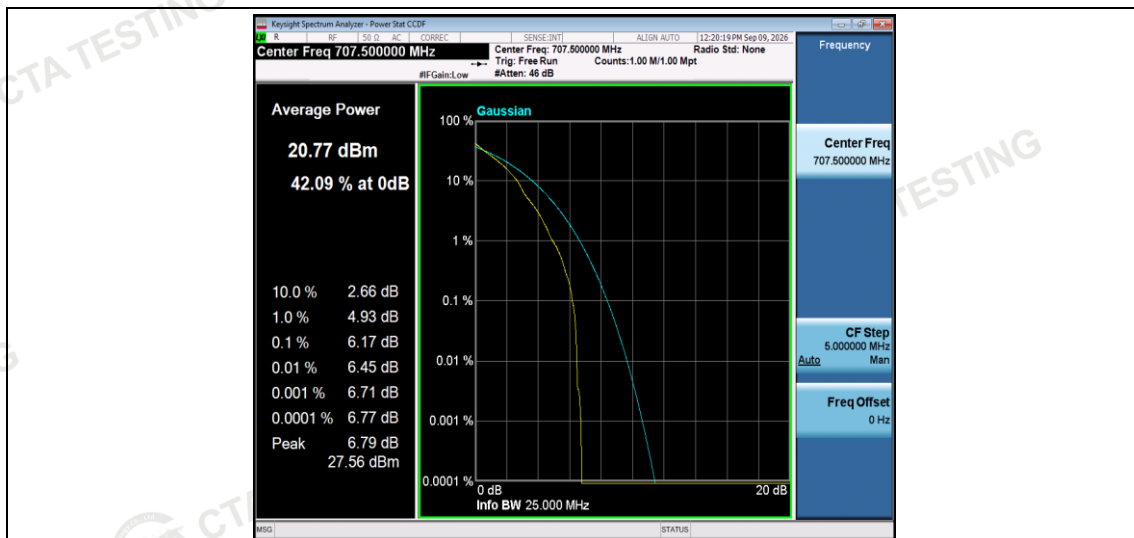
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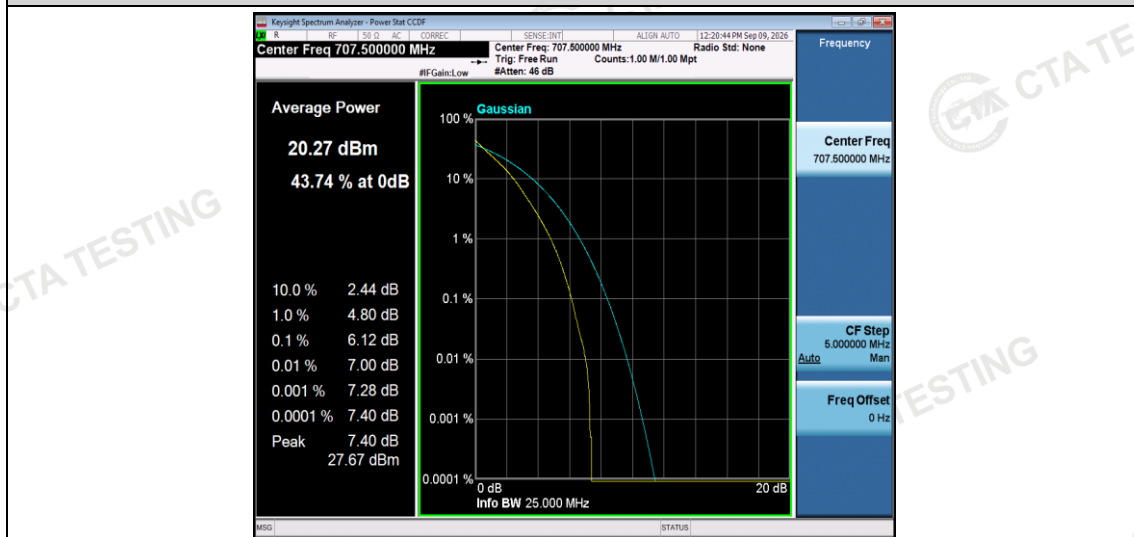
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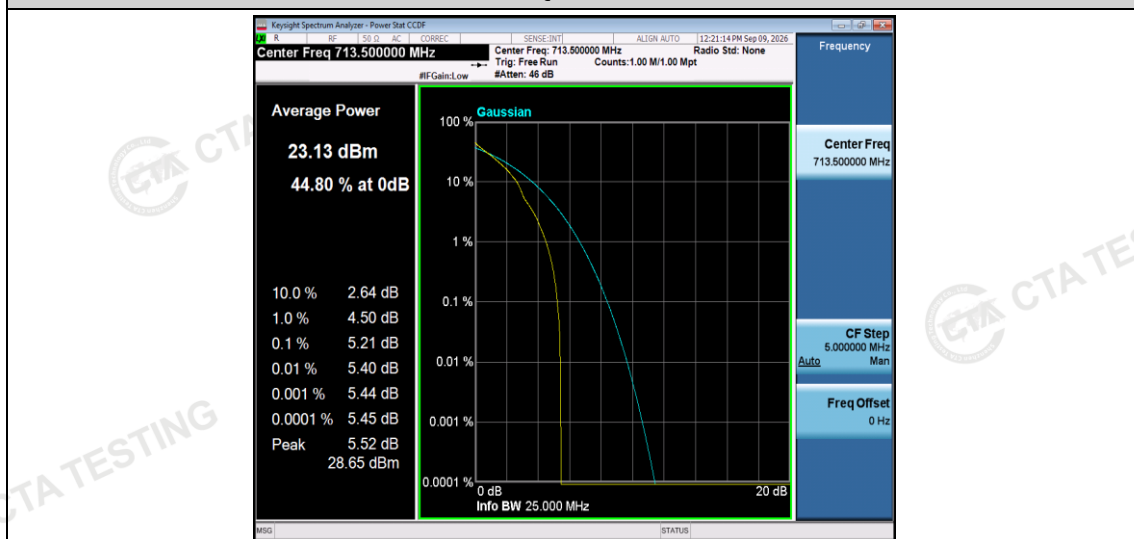
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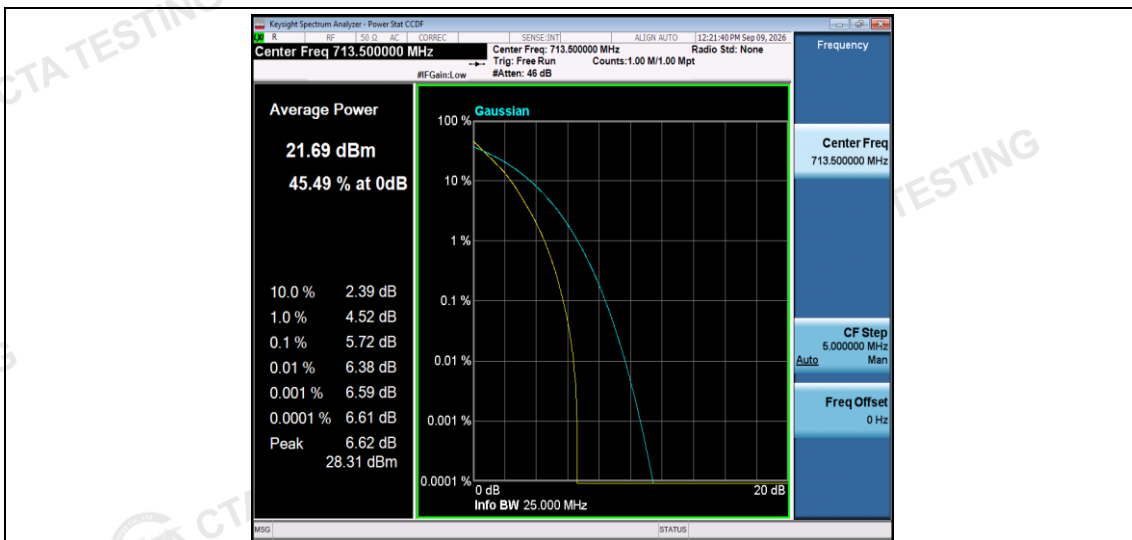
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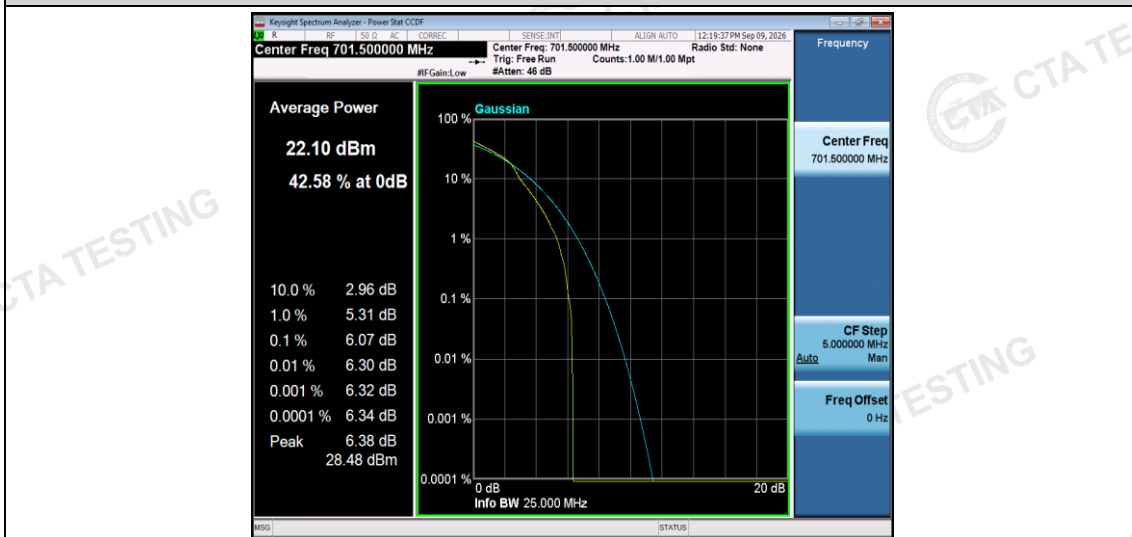
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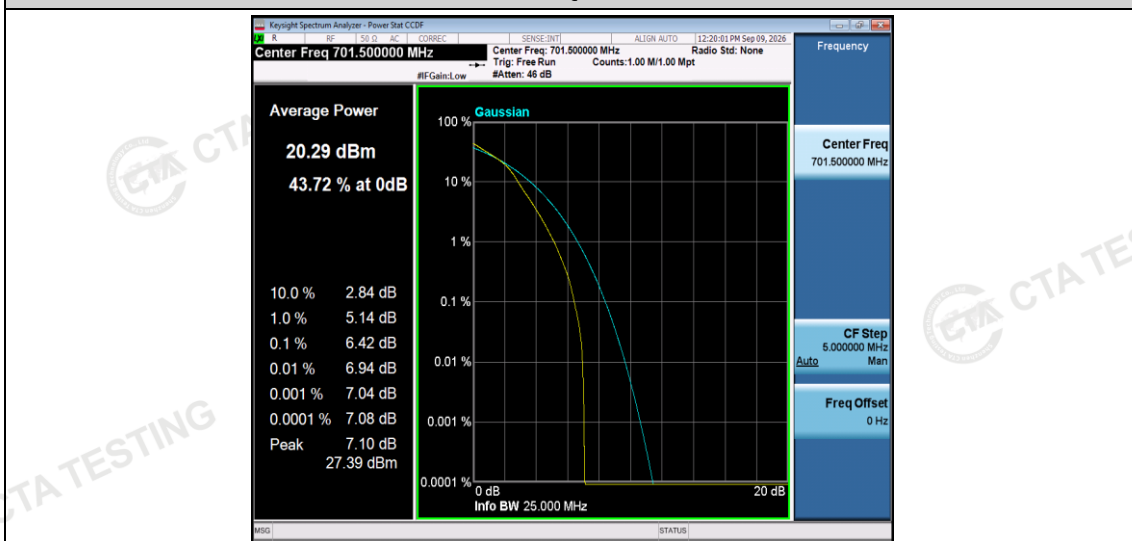
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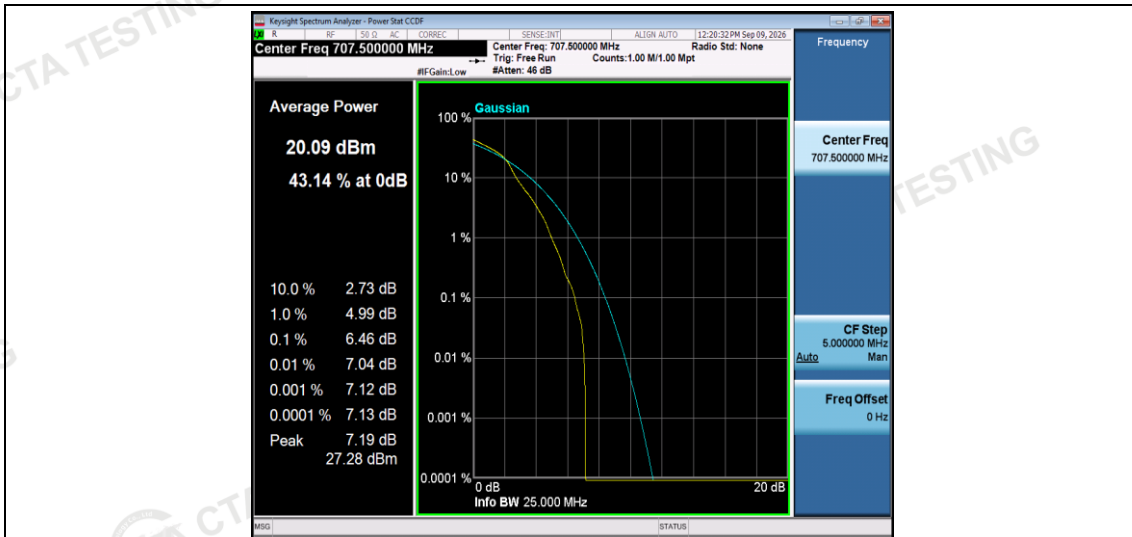
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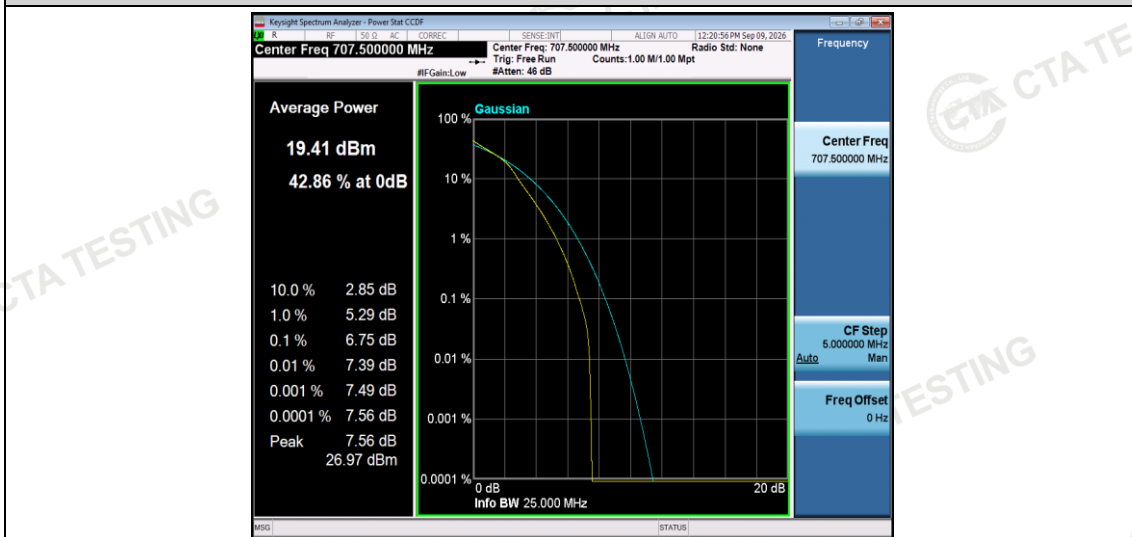
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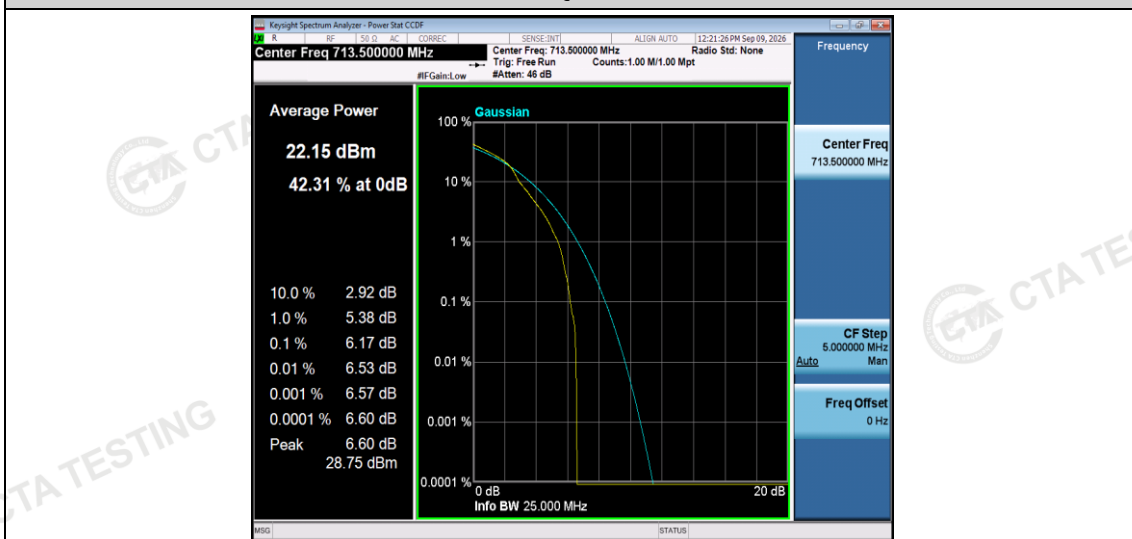
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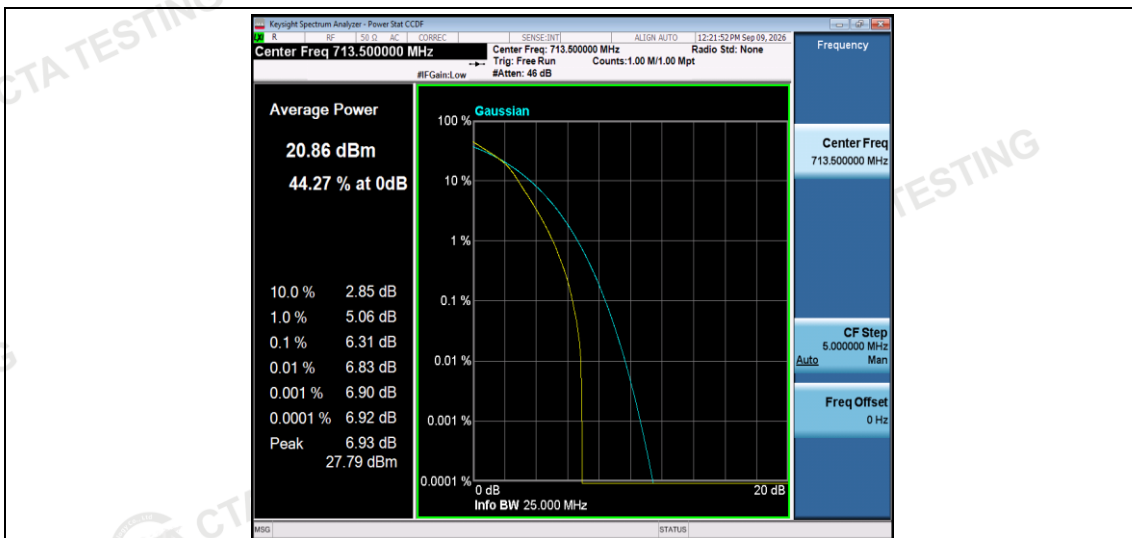
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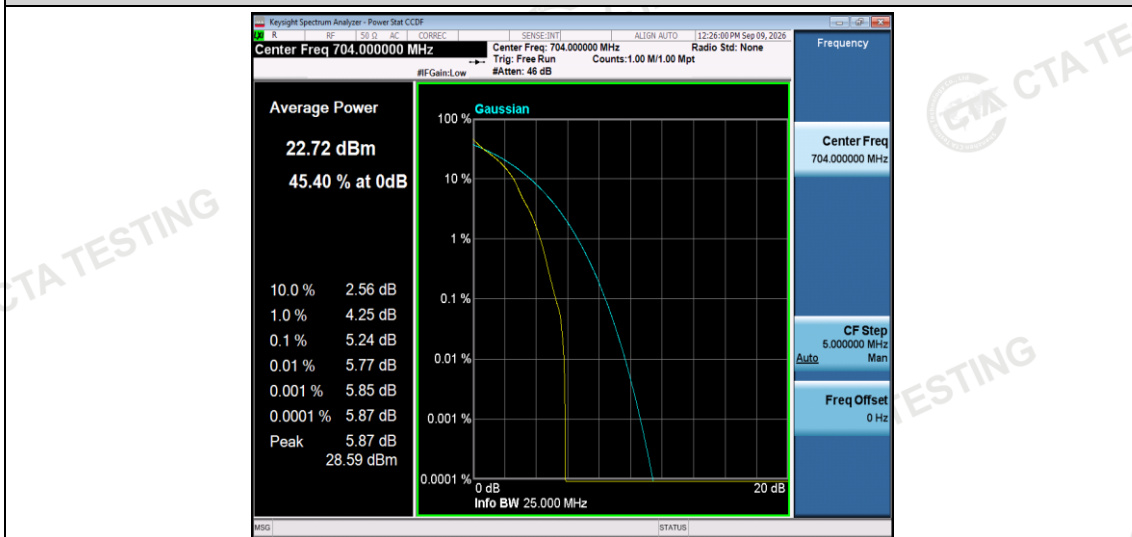
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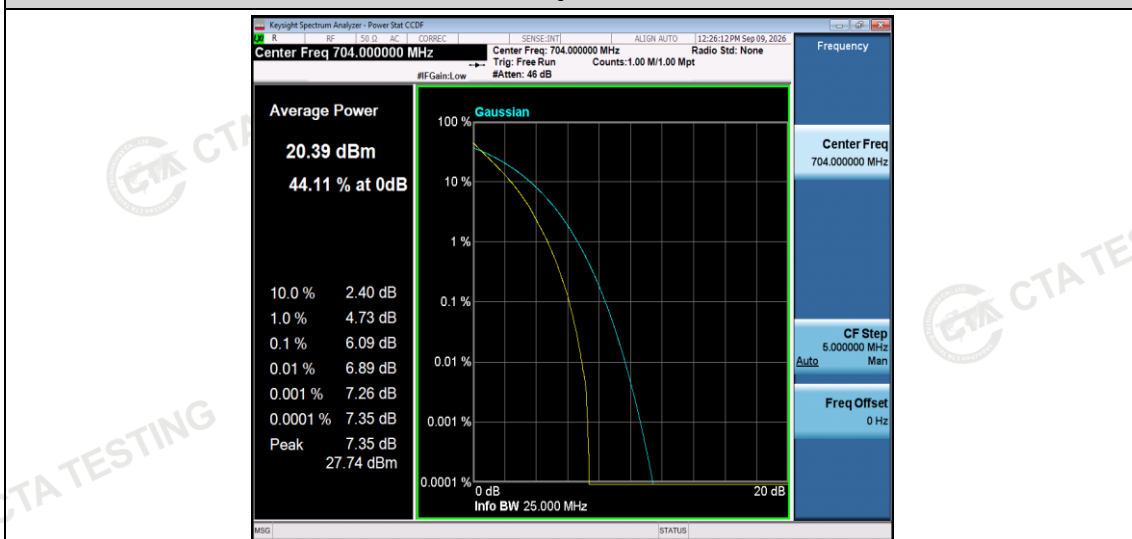
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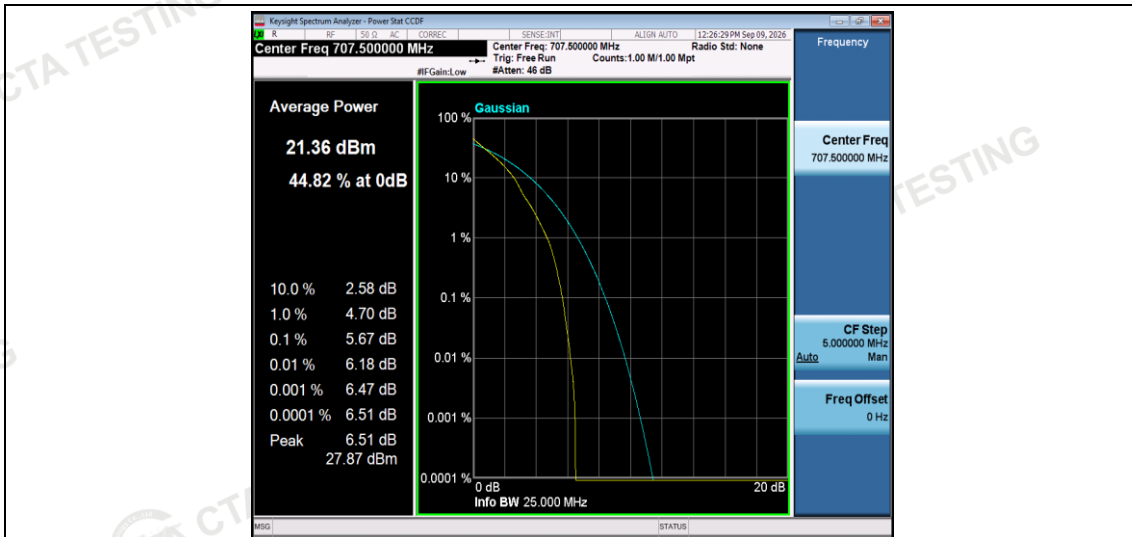
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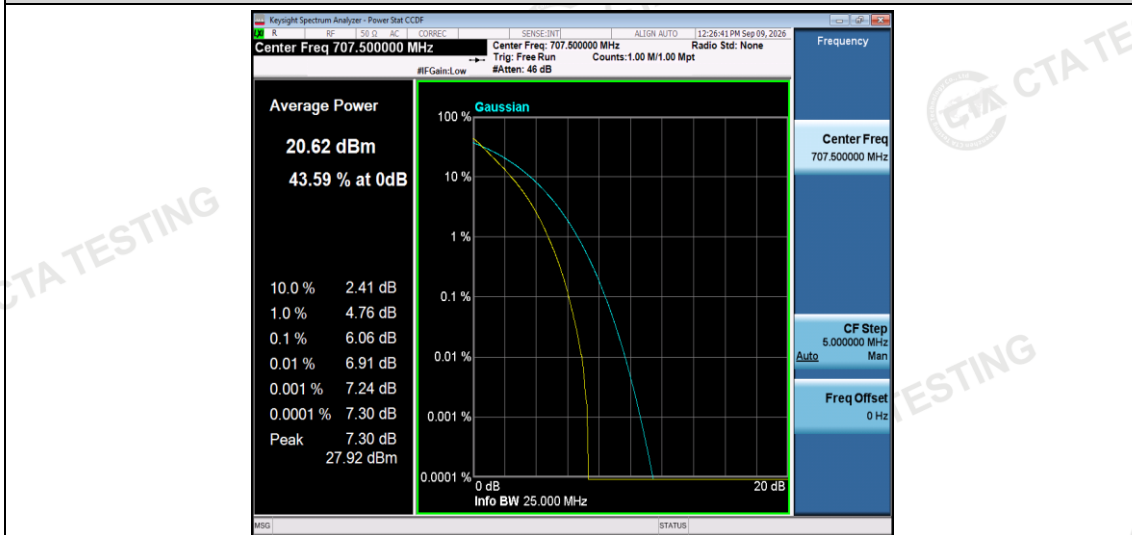
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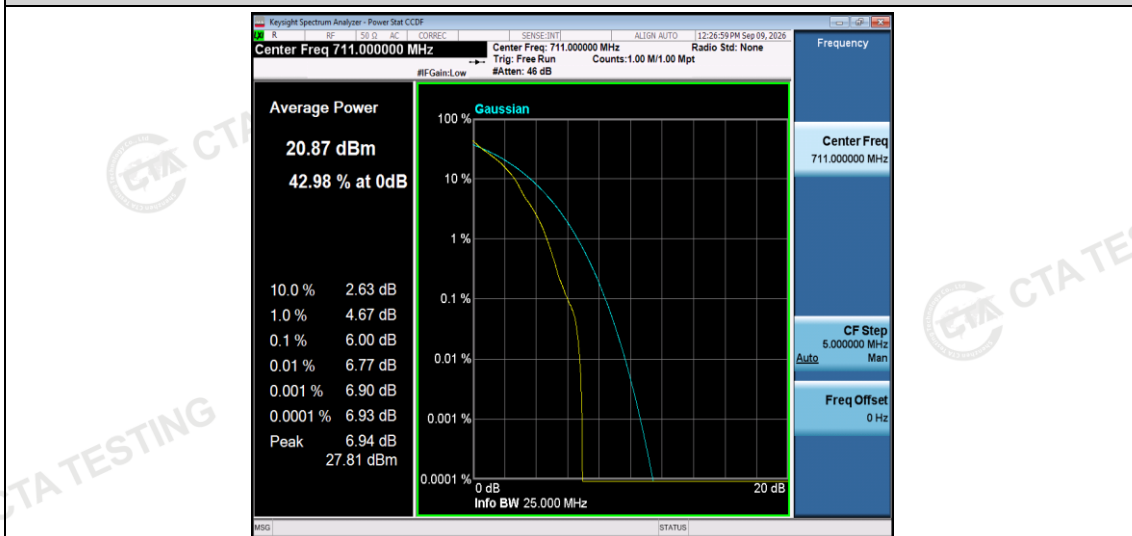
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