Appendix A: Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	ERP(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	23.19	20.34	PASS
Band12	1.4MHz	QPSK	23017	1RB#2	23.16	20.31	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	23.11	20.26	PASS
Band12	1.4MHz	QPSK	23017	3RB#0	23.25	20.40	PASS
Band12	1.4MHz	QPSK	23017	3RB#1	23.24	20.39	PASS
Band12	1.4MHz	QPSK	23017	3RB#3	23.19	20.34	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	22.22	19.37	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	23.25	20.40	PASS
Band12	1.4MHz	QPSK	23095	1RB#2	23.13	20.28	PASS
Band12	1.4MHz	QPSK	23095	1RB#5	23.11	20.26	PASS
Band12	1.4MHz	QPSK	23095	3RB#0	23.18	20.33	PASS
Band12	1.4MHz	QPSK	23095	3RB#1	23.00	20.15	PASS
Band12	1.4MHz	QPSK	23095	3RB#3	23.10	20.25	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	22.12	19.27	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	23.06	20.21	PASS
Band12	1.4MHz	QPSK	23173	1RB#2	23.06	20.21	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	23.08	20.23	PASS
Band12	1.4MHz	QPSK	23173	3RB#0	23.23	20.38	PASS
Band12	1.4MHz	QPSK	23173	3RB#1	23.23	20.38	PASS
Band12	1.4MHz	QPSK	23173	3RB#3	23.27	20.42	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	21.98	19.13	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	22.11	19.26	PASS
Band12	1.4MHz	16QAM	23017	1RB#2	22.12	19.27	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	22.04	19.19	PASS
Band12	1.4MHz	16QAM	23017	3RB#0	22.10	19.25	PASS
Band12	1.4MHz	16QAM	23017	3RB#1	22.12	19.27	PASS
Band12	1.4MHz	16QAM	23017	3RB#3	21.86	19.01	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	21.22	18.37	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	22.67	19.82	PASS
Band12	1.4MHz	16QAM	23095	1RB#2	22.59	19.74	PASS
Band12	1.4MHz	16QAM	23095	1RB#5	22.65	19.80	PASS

Band12	1.4MHz	16QAM	23095	3RB#0	21.79	18.94	PASS
Band12	1.4MHz	16QAM	23095	3RB#1	21.79	18.94	PASS
Band12	1.4MHz	16QAM	23095	3RB#3	21.86	19.01	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	21.18	18.33	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	22.69	19.84	PASS
Band12	1.4MHz	16QAM	23173	1RB#2	22.32	19.47	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	22.52	19.67	PASS
Band12	1.4MHz	16QAM	23173	3RB#0	21.68	18.83	PASS
Band12	1.4MHz	16QAM	23173	3RB#1	21.71	18.86	PASS
Band12	1.4MHz	16QAM	23173	3RB#3	21.70	18.85	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	21.20	18.35	PASS
Band12	3MHz	QPSK	23025	1RB#0	23.12	20.27	PASS
Band12	3MHz	QPSK	23025	1RB#8	23.17	20.32	PASS
Band12	3MHz	QPSK	23025	1RB#14	23.19	20.34	PASS
Band12	3MHz	QPSK	23025	8RB#0	22.10	19.25	PASS
Band12	3MHz	QPSK	23025	8RB#4	22.12	19.27	PASS
Band12	3MHz	QPSK	23025	8RB#7	22.20	19.35	PASS
Band12	3MHz	QPSK	23025	15RB#0	22.09	19.24	PASS
Band12	3MHz	QPSK	23095	1RB#0	23.03	20.18	PASS
Band12	3MHz	QPSK	23095	1RB#8	23.11	20.26	PASS
Band12	3MHz	QPSK	23095	1RB#14	23.13	20.28	PASS
Band12	3MHz	QPSK	23095	8RB#0	22.09	19.24	PASS
Band12	3MHz	QPSK	23095	8RB#4	22.09	19.24	PASS
Band12	3MHz	QPSK	23095	8RB#7	21.99	19.14	PASS
Band12	3MHz	QPSK	23095	15RB#0	22.41	19.56	PASS
Band12	3MHz	QPSK	23165	1RB#0	23.35	20.50	PASS
Band12	3MHz	QPSK	23165	1RB#8	23.28	20.43	PASS
Band12	3MHz	QPSK	23165	1RB#14	23.28	20.43	PASS
Band12	3MHz	QPSK	23165	8RB#0	22.02	19.17	PASS
Band12	3MHz	QPSK	23165	8RB#4	22.10	19.25	PASS
Band12	3MHz	QPSK	23165	8RB#7	22.19	19.34	PASS
Band12	3MHz	QPSK	23165	15RB#0	22.07	19.22	PASS
Band12	3MHz	16QAM	23025	1RB#0	21.98	19.13	PASS
Band12	3MHz	16QAM	23025	1RB#8	22.03	19.18	PASS
Band12	3MHz	16QAM	23025	1RB#14	22.12	19.27	PASS
Band12	3MHz	16QAM	23025	8RB#0	21.30	18.45	PASS

Band12	3MHz	16QAM	23025	8RB#4	21.31	18.46	PASS
Band12	3MHz	16QAM	23025	8RB#7	21.27	18.42	PASS
Band12	3MHz	16QAM	23025	15RB#0	21.04	18.19	PASS
Band12	3MHz	16QAM	23095	1RB#0	21.94	19.09	PASS
Band12	3MHz	16QAM	23095	1RB#8	21.80	18.95	PASS
Band12	3MHz	16QAM	23095	1RB#14	21.65	18.80	PASS
Band12	3MHz	16QAM	23095	8RB#0	21.28	18.43	PASS
Band12	3MHz	16QAM	23095	8RB#4	21.19	18.34	PASS
Band12	3MHz	16QAM	23095	8RB#7	21.15	18.30	PASS
Band12	3MHz	16QAM	23095	15RB#0	20.98	18.13	PASS
Band12	3MHz	16QAM	23165	1RB#0	22.68	19.83	PASS
Band12	3MHz	16QAM	23165	1RB#8	22.79	19.94	PASS
Band12	3MHz	16QAM	23165	1RB#14	22.78	19.93	PASS
Band12	3MHz	16QAM	23165	8RB#0	21.33	18.48	PASS
Band12	3MHz	16QAM	23165	8RB#4	21.20	18.35	PASS
Band12	3MHz	16QAM	23165	8RB#7	21.10	18.25	PASS
Band12	3MHz	16QAM	23165	15RB#0	21.09	18.24	PASS
Band12	5MHz	QPSK	23035	1RB#0	23.20	20.35	PASS
Band12	5MHz	QPSK	23035	1RB#12	23.13	20.28	PASS
Band12	5MHz	QPSK	23035	1RB#24	23.01	20.16	PASS
Band12	5MHz	QPSK	23035	12RB#0	22.19	19.34	PASS
Band12	5MHz	QPSK	23035	12RB#6	22.22	19.37	PASS
Band12	5MHz	QPSK	23035	12RB#13	22.26	19.41	PASS
Band12	5MHz	QPSK	23035	25RB#0	22.26	19.41	PASS
Band12	5MHz	QPSK	23095	1RB#0	23.18	20.33	PASS
Band12	5MHz	QPSK	23095	1RB#12	23.08	20.23	PASS
Band12	5MHz	QPSK	23095	1RB#24	23.09	20.24	PASS
Band12	5MHz	QPSK	23095	12RB#0	22.20	19.35	PASS
Band12	5MHz	QPSK	23095	12RB#6	22.19	19.34	PASS
Band12	5MHz	QPSK	23095	12RB#13	21.99	19.14	PASS
Band12	5MHz	QPSK	23095	25RB#0	22.02	19.17	PASS
Band12	5MHz	QPSK	23155	1RB#0	23.30	20.45	PASS
Band12	5MHz	QPSK	23155	1RB#12	23.21	20.36	PASS
Band12	5MHz	QPSK	23155	1RB#24	23.14	20.29	PASS
Band12	5MHz	QPSK	23155	12RB#0	22.24	19.39	PASS
Band12	5MHz	QPSK	23155	12RB#6	22.19	19.34	PASS

Band12	5MHz	QPSK	23155	12RB#13	22.05	19.20	PASS
Band12	5MHz	QPSK	23155	25RB#0	22.11	19.26	PASS
Band12	5MHz	16QAM	23035	1RB#0	21.35	18.50	PASS
Band12	5MHz	16QAM	23035	1RB#12	21.49	18.64	PASS
Band12	5MHz	16QAM	23035	1RB#24	21.49	18.64	PASS
Band12	5MHz	16QAM	23035	12RB#0	21.05	18.20	PASS
Band12	5MHz	16QAM	23035	12RB#6	21.06	18.21	PASS
Band12	5MHz	16QAM	23035	12RB#13	21.08	18.23	PASS
Band12	5MHz	16QAM	23035	25RB#0	21.29	18.44	PASS
Band12	5MHz	16QAM	23095	1RB#0	21.91	19.06	PASS
Band12	5MHz	16QAM	23095	1RB#12	21.96	19.11	PASS
Band12	5MHz	16QAM	23095	1RB#24	21.90	19.05	PASS
Band12	5MHz	16QAM	23095	12RB#0	21.10	18.25	PASS
Band12	5MHz	16QAM	23095	12RB#6	21.17	18.32	PASS
Band12	5MHz	16QAM	23095	12RB#13	21.09	18.24	PASS
Band12	5MHz	16QAM	23095	25RB#0	20.83	17.98	PASS
Band12	5MHz	16QAM	23155	1RB#0	22.03	19.18	PASS
Band12	5MHz	16QAM	23155	1RB#12	22.08	19.23	PASS
Band12	5MHz	16QAM	23155	1RB#24	22.16	19.31	PASS
Band12	5MHz	16QAM	23155	12RB#0	21.13	18.28	PASS
Band12	5MHz	16QAM	23155	12RB#6	21.16	18.31	PASS
Band12	5MHz	16QAM	23155	12RB#13	21.23	18.38	PASS
Band12	5MHz	16QAM	23155	25RB#0	21.38	18.53	PASS
Band12	10MHz	QPSK	23060	1RB#0	23.12	20.27	PASS
Band12	10MHz	QPSK	23060	1RB#24	23.16	20.31	PASS
Band12	10MHz	QPSK	23060	1RB#49	23.16	20.31	PASS
Band12	10MHz	QPSK	23060	25RB#0	22.23	19.38	PASS
Band12	10MHz	QPSK	23060	25RB#12	22.19	19.34	PASS
Band12	10MHz	QPSK	23060	25RB#25	22.05	19.20	PASS
Band12	10MHz	QPSK	23060	50RB#0	22.26	19.41	PASS
Band12	10MHz	QPSK	23095	1RB#0	23.07	20.22	PASS
Band12	10MHz	QPSK	23095	1RB#24	23.12	20.27	PASS
Band12	10MHz	QPSK	23095	1RB#49	23.17	20.32	PASS
Band12	10MHz	QPSK	23095	25RB#0	22.18	19.33	PASS
Band12	10MHz	QPSK	23095	25RB#12	22.32	19.47	PASS
Band12	10MHz	QPSK	23095	25RB#25	22.13	19.28	PASS

Band12	10MHz	QPSK	23095	50RB#0	22.02	19.17	PASS
Band12	10MHz	QPSK	23130	1RB#0	23.37	20.52	PASS
Band12	10MHz	QPSK	23130	1RB#24	23.06	20.21	PASS
Band12	10MHz	QPSK	23130	1RB#49	23.21	20.36	PASS
Band12	10MHz	QPSK	23130	25RB#0	22.11	19.26	PASS
Band12	10MHz	QPSK	23130	25RB#12	21.94	19.09	PASS
Band12	10MHz	QPSK	23130	25RB#25	22.13	19.28	PASS
Band12	10MHz	QPSK	23130	50RB#0	22.03	19.18	PASS
Band12	10MHz	16QAM	23060	1RB#0	21.96	19.11	PASS
Band12	10MHz	16QAM	23060	1RB#24	21.99	19.14	PASS
Band12	10MHz	16QAM	23060	1RB#49	21.91	19.06	PASS
Band12	10MHz	16QAM	23060	25RB#0	21.08	18.23	PASS
Band12	10MHz	16QAM	23060	25RB#12	21.09	18.24	PASS
Band12	10MHz	16QAM	23060	25RB#25	20.99	18.14	PASS
Band12	10MHz	16QAM	23060	50RB#0	21.09	18.24	PASS
Band12	10MHz	16QAM	23095	1RB#0	21.89	19.04	PASS
Band12	10MHz	16QAM	23095	1RB#24	21.81	18.96	PASS
Band12	10MHz	16QAM	23095	1RB#49	21.84	18.99	PASS
Band12	10MHz	16QAM	23095	25RB#0	21.09	18.24	PASS
Band12	10MHz	16QAM	23095	25RB#12	21.18	18.33	PASS
Band12	10MHz	16QAM	23095	25RB#25	21.24	18.39	PASS
Band12	10MHz	16QAM	23095	50RB#0	21.16	18.31	PASS
Band12	10MHz	16QAM	23130	1RB#0	21.92	19.07	PASS
Band12	10MHz	16QAM	23130	1RB#24	22.60	19.75	PASS
Band12	10MHz	16QAM	23130	1RB#49	22.70	19.85	PASS
Band12	10MHz	16QAM	23130	25RB#0	21.08	18.23	PASS
Band12	10MHz	16QAM	23130	25RB#12	21.09	18.24	PASS
Band12	10MHz	16QAM	23130	25RB#25	21.14	18.29	PASS
Band12	10MHz	16QAM	23130	50RB#0	21.09	18.24	PASS

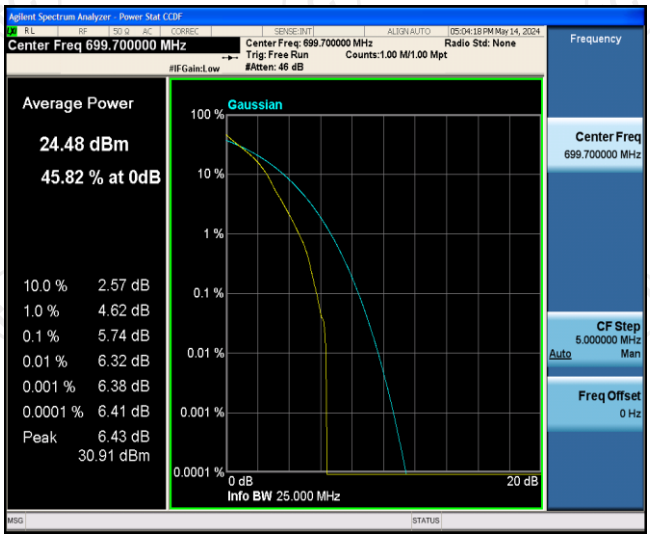
Appendix B: Peak-to-Average Ratio(CCDF)

Test Result

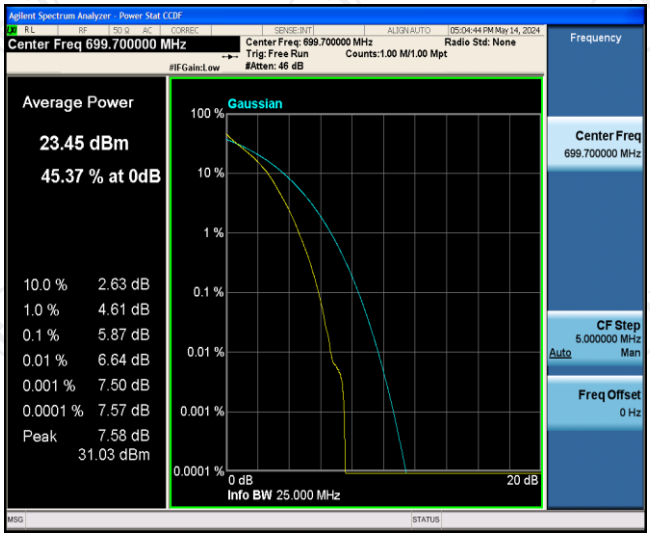
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	5.74	13	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	5.87	13	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	5.45	13	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	5.87	13	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	5.29	13	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	5.74	13	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	6.48	13	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	6.50	13	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	6.16	13	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	6.59	13	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	6.03	13	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	6.42	13	PASS
Band12	3MHz	QPSK	23025	1RB#0	5.72	13	PASS
Band12	3MHz	QPSK	23025	15RB#0	5.94	13	PASS
Band12	3MHz	QPSK	23095	1RB#0	5.40	13	PASS
Band12	3MHz	QPSK	23095	15RB#0	5.85	13	PASS
Band12	3MHz	QPSK	23165	1RB#0	5.41	13	PASS
Band12	3MHz	QPSK	23165	15RB#0	5.72	13	PASS
Band12	3MHz	16QAM	23025	1RB#0	6.86	13	PASS
Band12	3MHz	16QAM	23025	15RB#0	6.72	13	PASS
Band12	3MHz	16QAM	23095	1RB#0	6.15	13	PASS
Band12	3MHz	16QAM	23095	15RB#0	6.69	13	PASS
Band12	3MHz	16QAM	23165	1RB#0	6.46	13	PASS
Band12	3MHz	16QAM	23165	15RB#0	6.53	13	PASS
Band12	5MHz	QPSK	23035	1RB#0	5.91	13	PASS
Band12	5MHz	QPSK	23035	25RB#0	5.86	13	PASS
Band12	5MHz	QPSK	23095	1RB#0	5.82	13	PASS
Band12	5MHz	QPSK	23095	25RB#0	5.85	13	PASS
Band12	5MHz	QPSK	23155	1RB#0	5.59	13	PASS
Band12	5MHz	QPSK	23155	25RB#0	5.67	13	PASS
Band12	5MHz	16QAM	23035	1RB#0	6.61	13	PASS
Band12	5MHz	16QAM	23035	25RB#0	6.54	13	PASS
Band12	5MHz	16QAM	23095	1RB#0	6.62	13	PASS
Band12	5MHz	16QAM	23095	25RB#0	6.62	13	PASS
Band12	5MHz	16QAM	23155	1RB#0	6.21	13	PASS

Band12	5MHz	16QAM	23155	25RB#0	6.37	13	PASS
Band12	10MHz	QPSK	23060	1RB#0	5.59	13	PASS
Band12	10MHz	QPSK	23060	50RB#0	5.96	13	PASS
Band12	10MHz	QPSK	23095	1RB#0	5.39	13	PASS
Band12	10MHz	QPSK	23095	50RB#0	5.92	13	PASS
Band12	10MHz	QPSK	23130	1RB#0	5.76	13	PASS
Band12	10MHz	QPSK	23130	50RB#0	5.82	13	PASS
Band12	10MHz	16QAM	23060	1RB#0	6.51	13	PASS
Band12	10MHz	16QAM	23060	50RB#0	6.62	13	PASS
Band12	10MHz	16QAM	23095	1RB#0	6.15	13	PASS
Band12	10MHz	16QAM	23095	50RB#0	6.65	13	PASS
Band12	10MHz	16QAM	23130	1RB#0	6.66	13	PASS
Band12	10MHz	16QAM	23130	50RB#0	6.53	13	PASS

Test Graphs



Band12-1.4MHz-QPSK-23017-1RB#0



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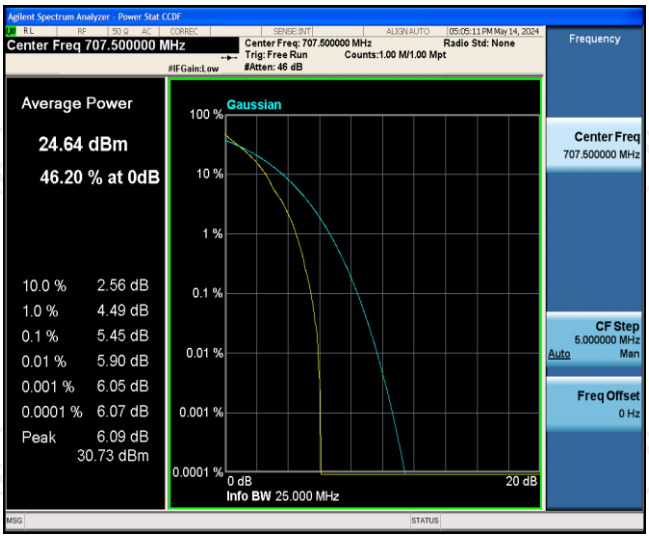
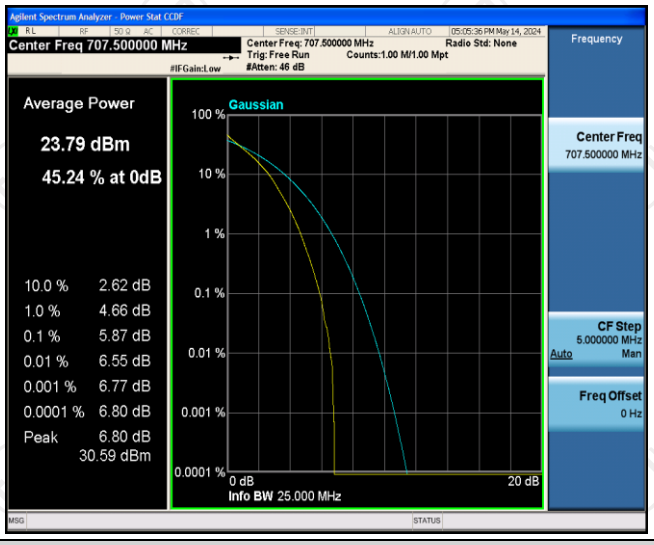


Band12-1.4MHz-QPSK-23095-1RB#0



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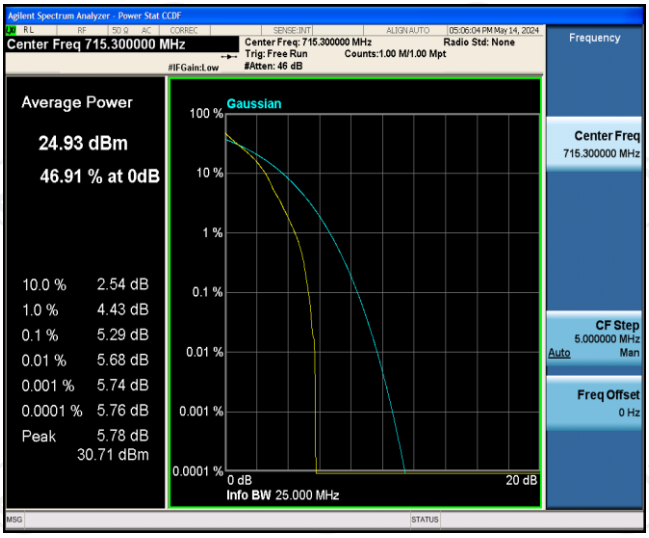
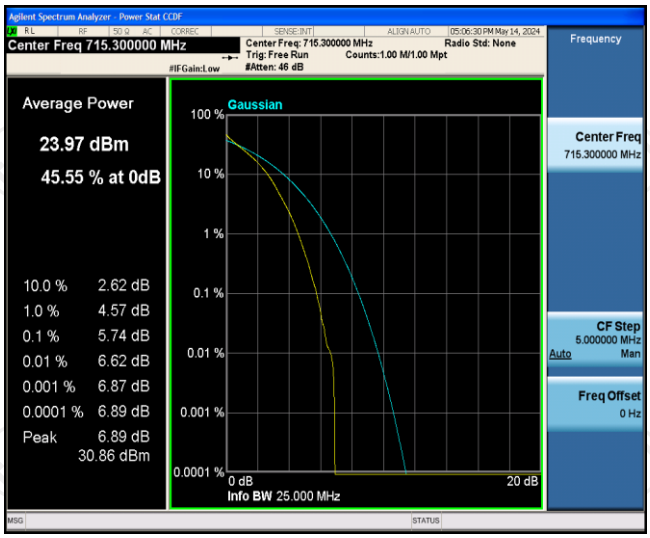
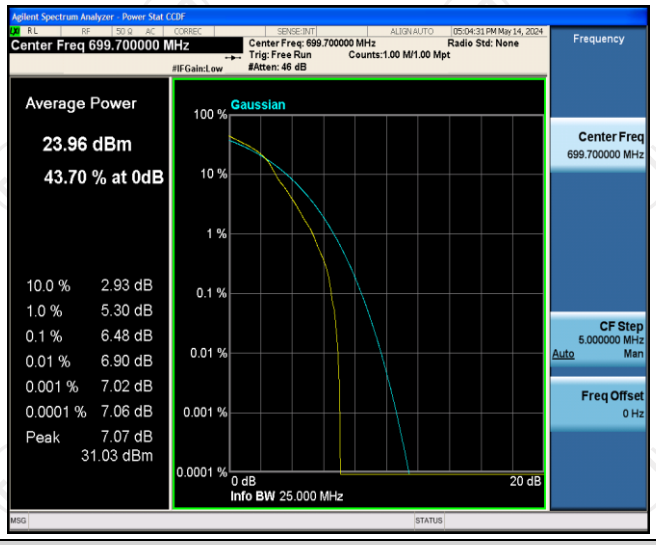


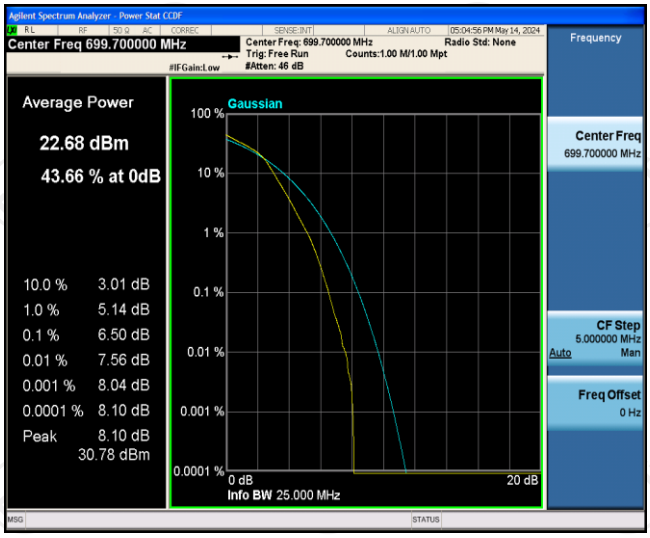
Band12-1.4MHz-QPSK-23173-1RB#0



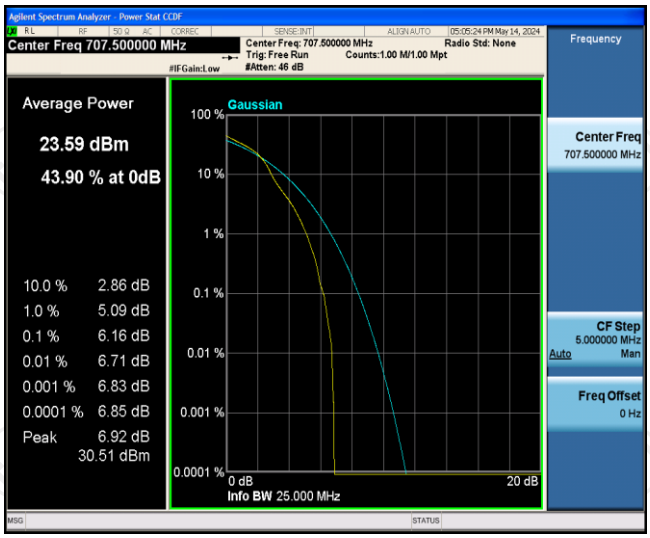
Band12-1.4MHz-QPSK-23173-6RB#0



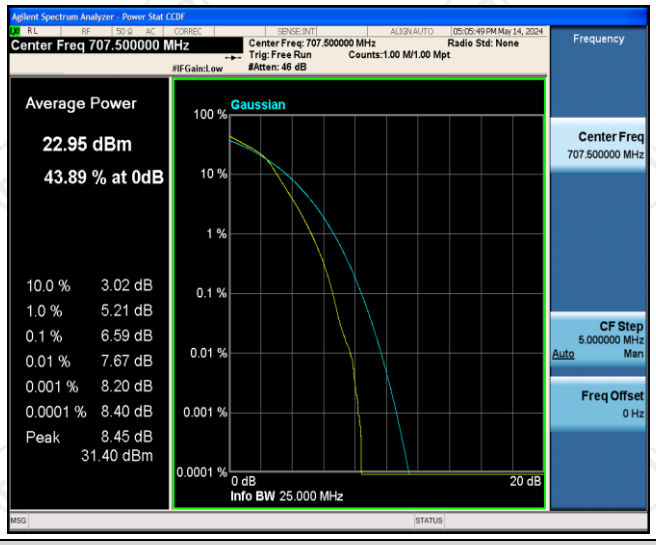
Band12-1.4MHz-16QAM-23017-1RB#0



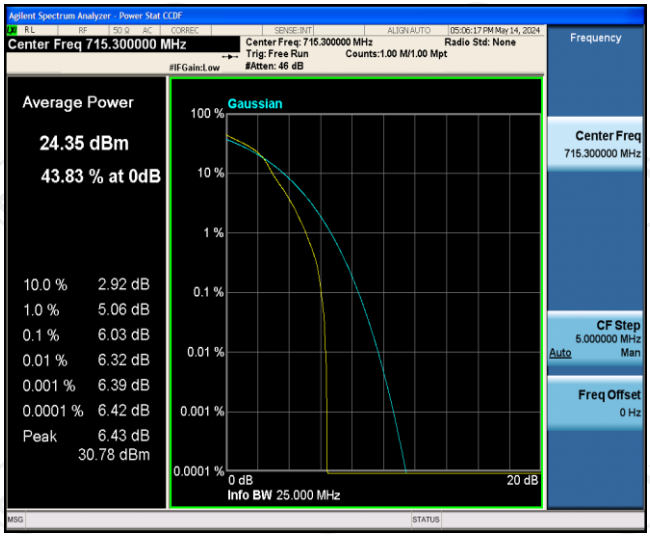
Band12-1.4MHz-16QAM-23017-6RB#0



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



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



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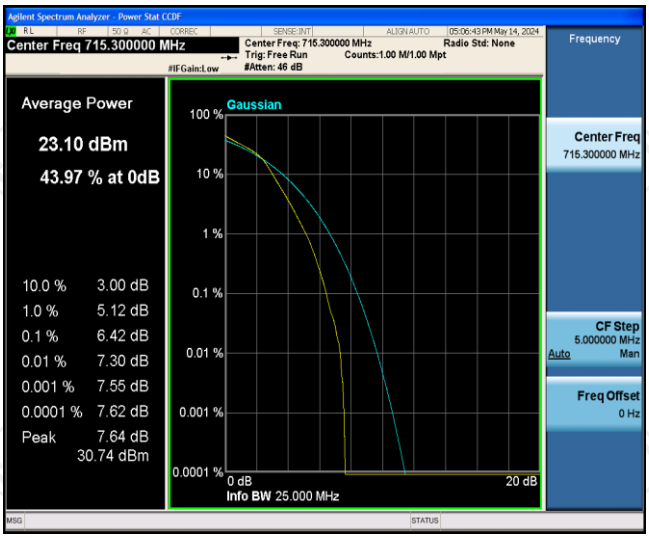

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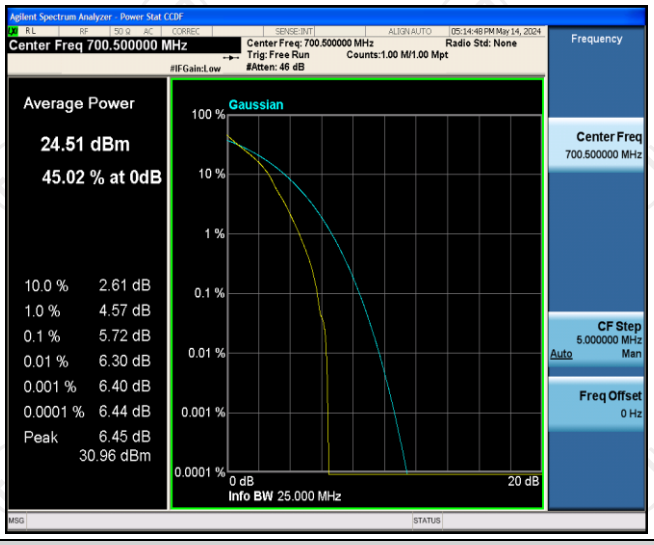

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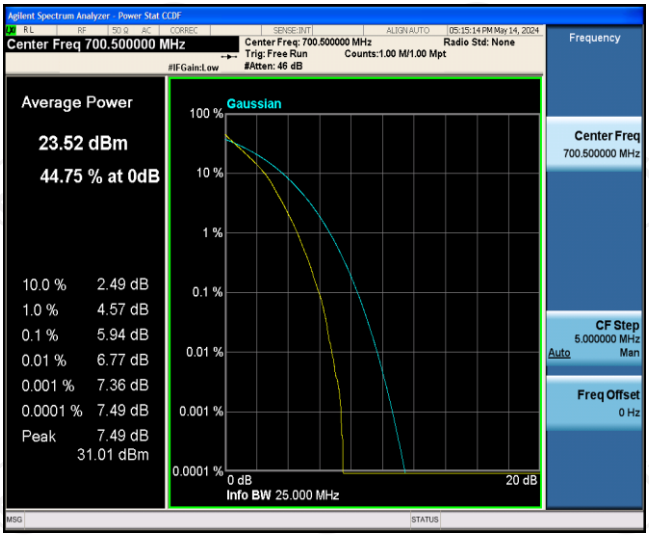

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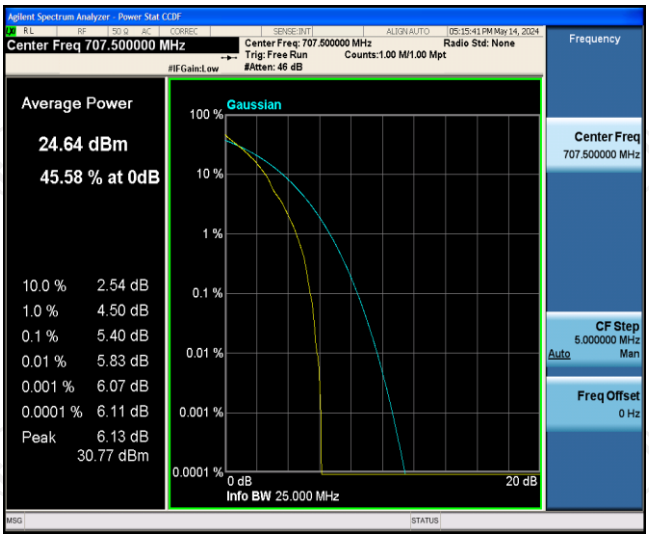

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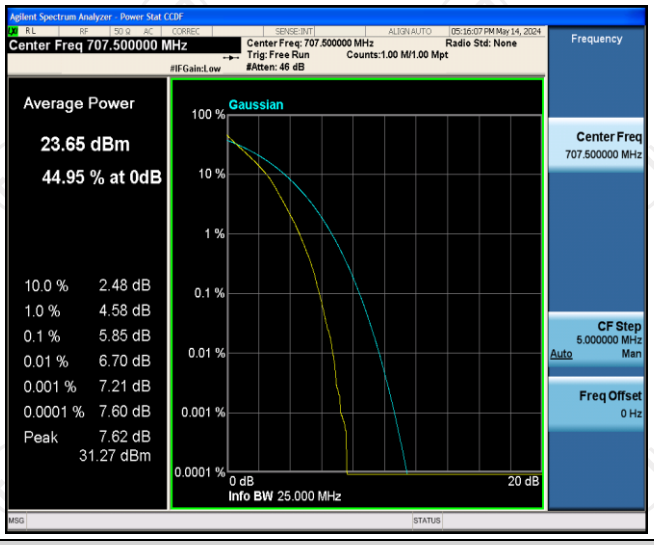

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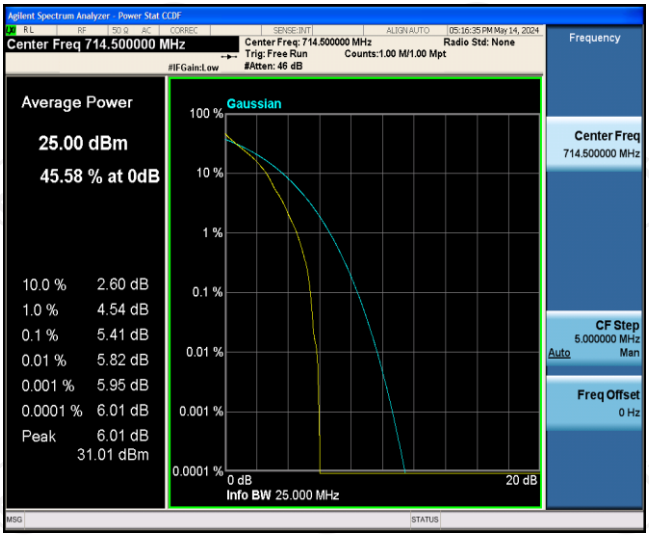

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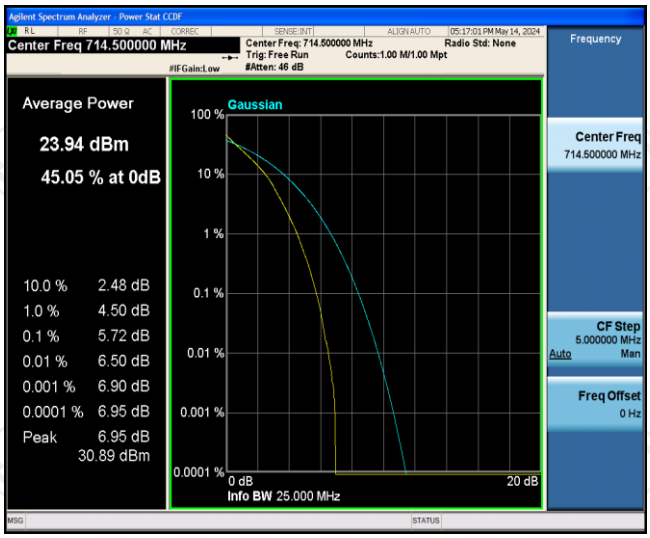

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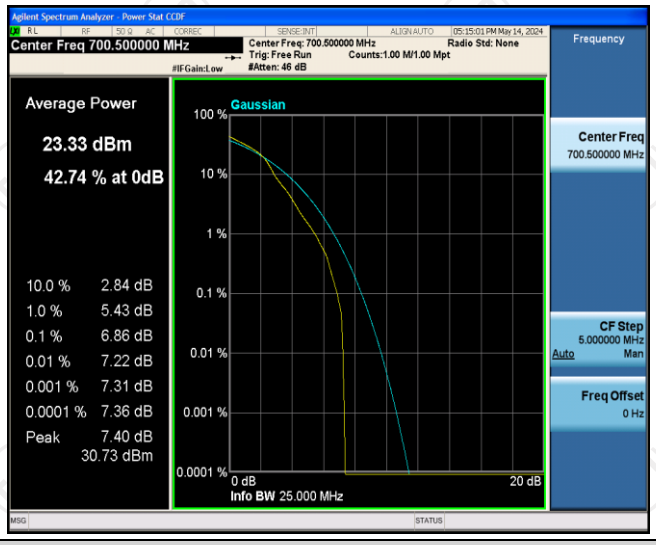

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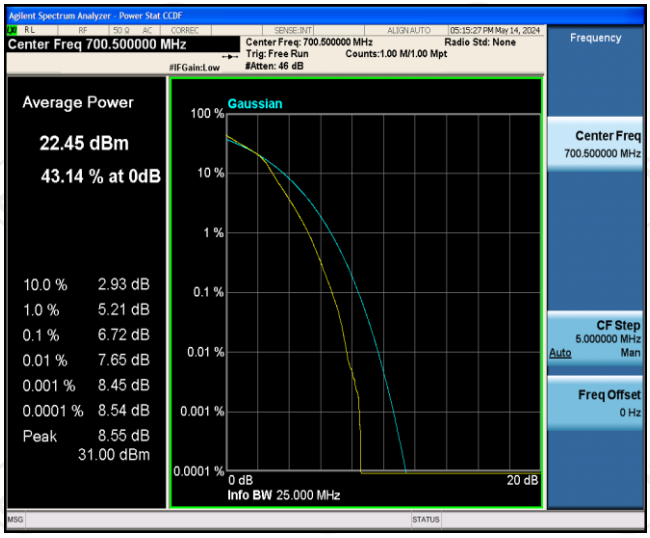

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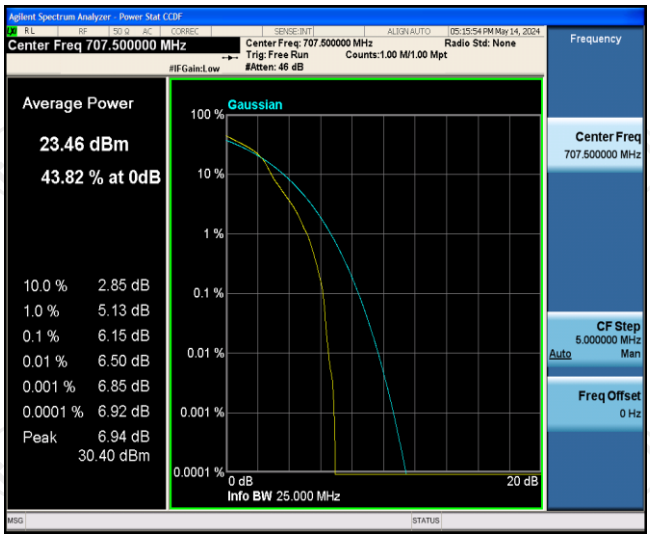

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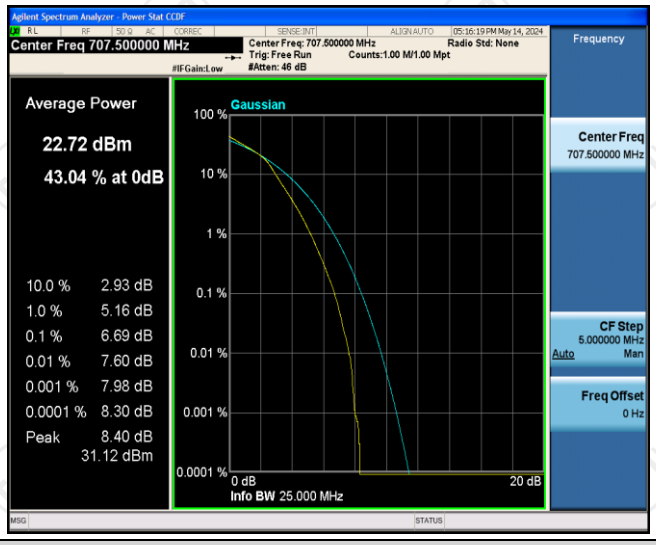

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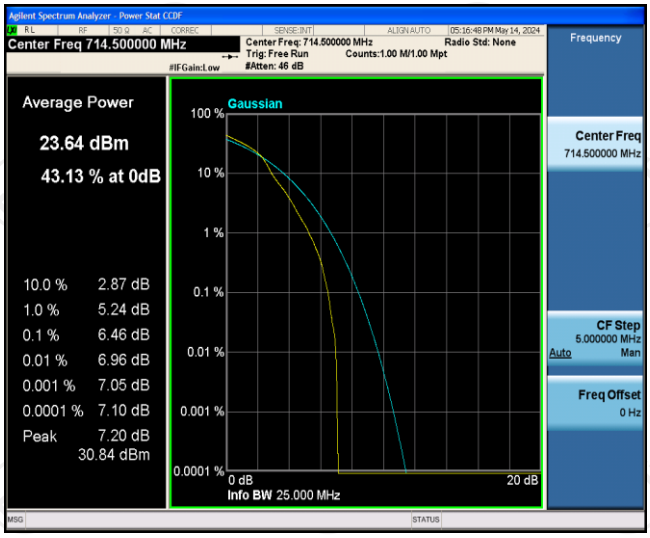

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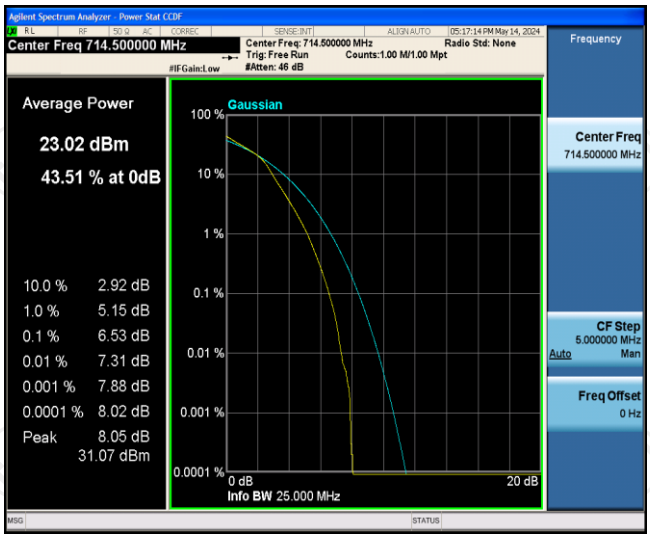

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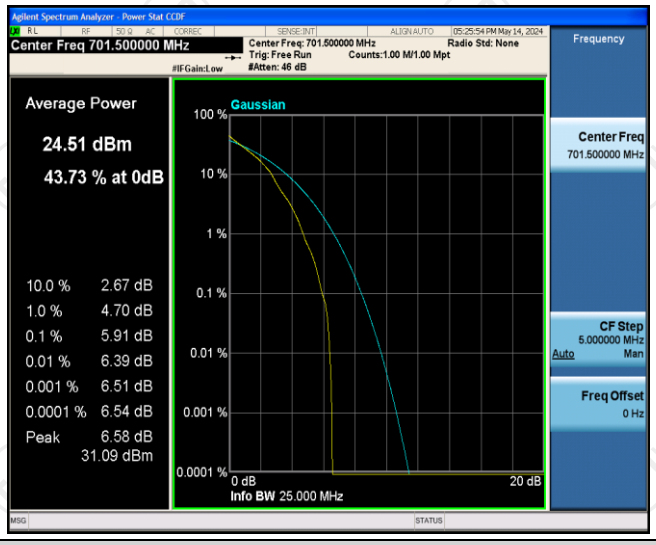

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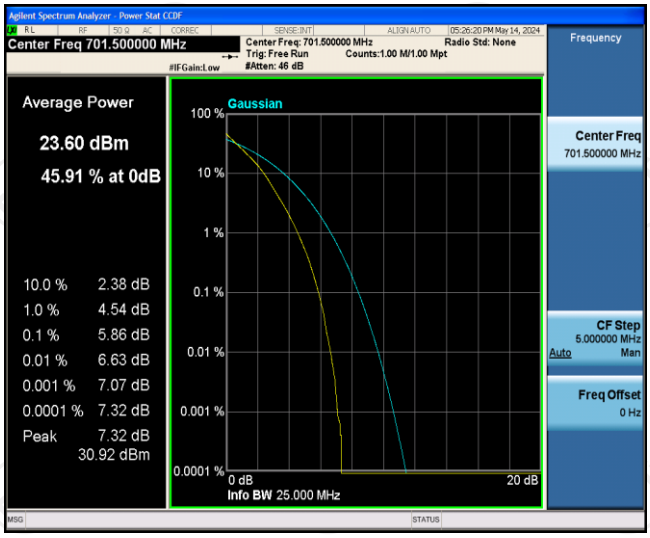

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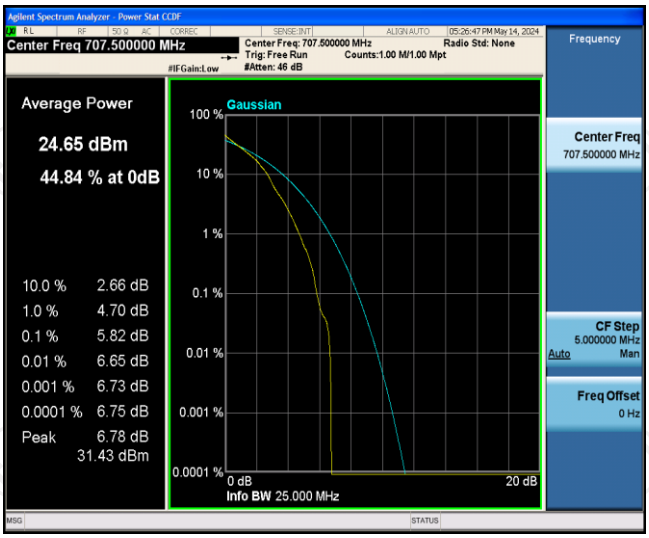

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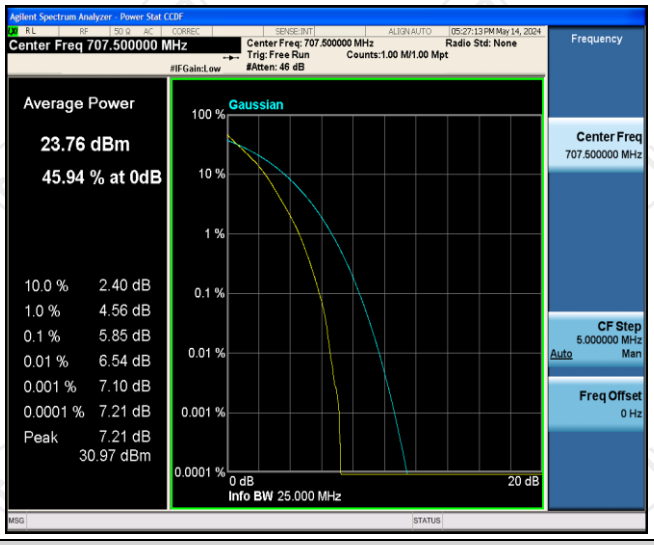

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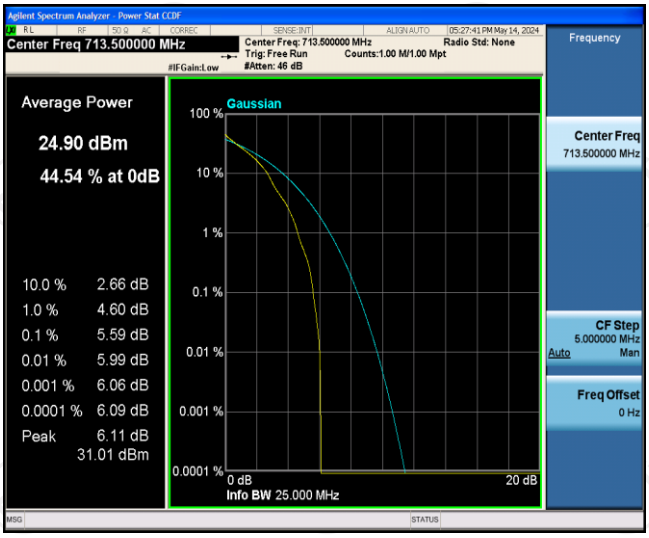

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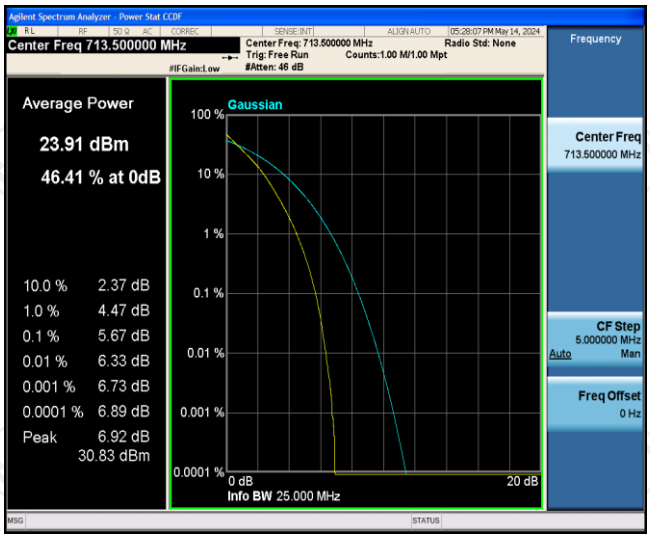

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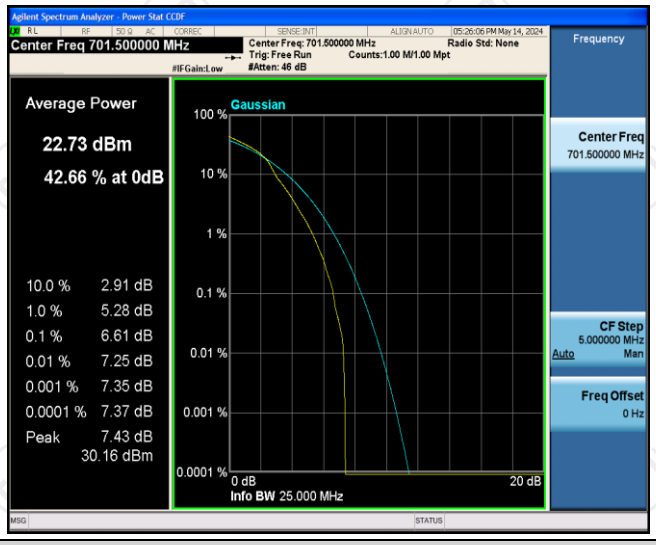

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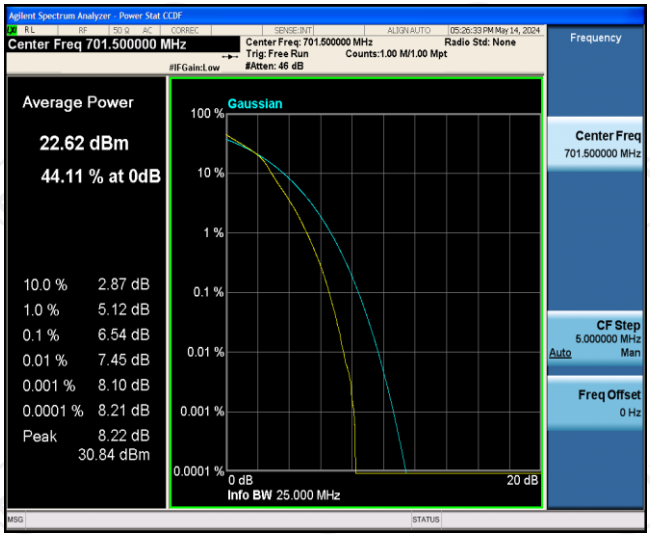

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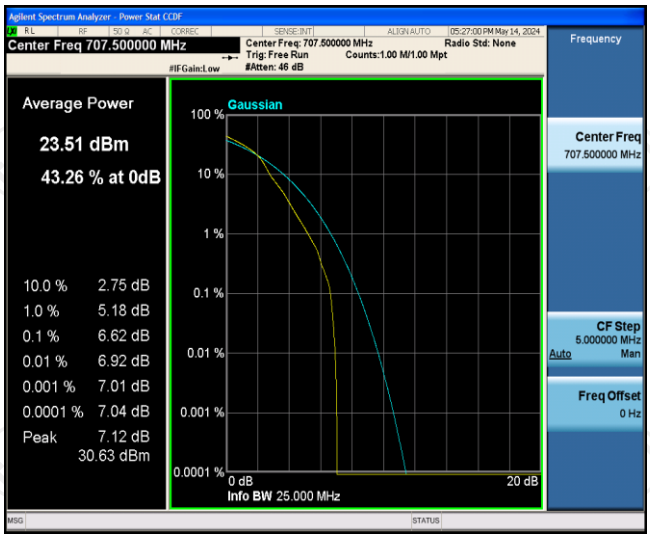

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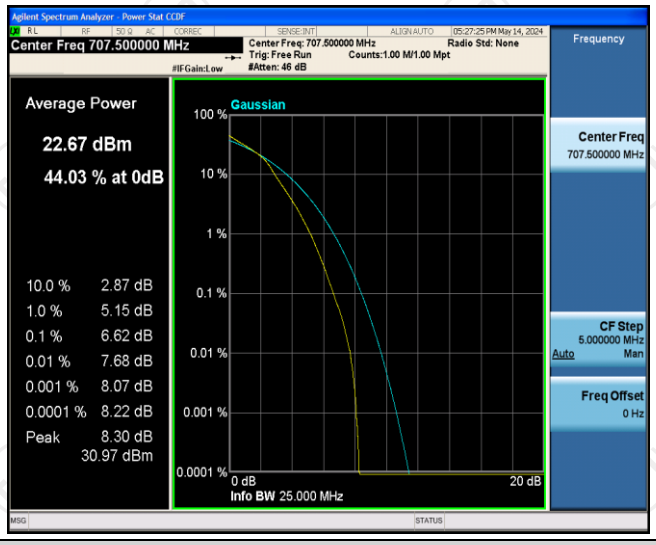

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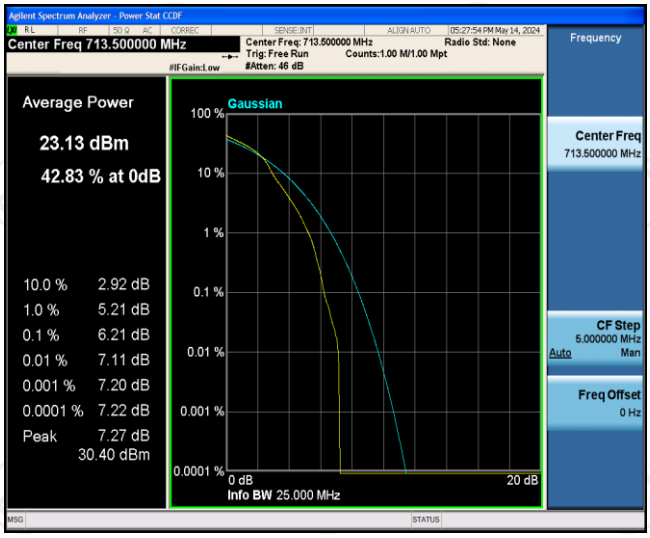

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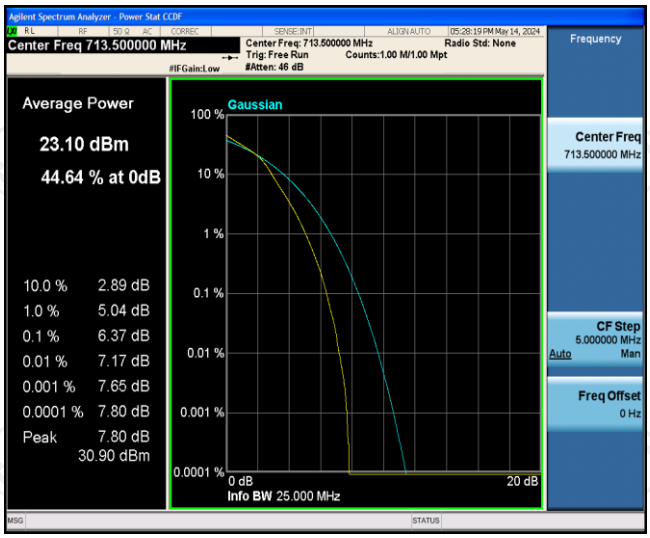

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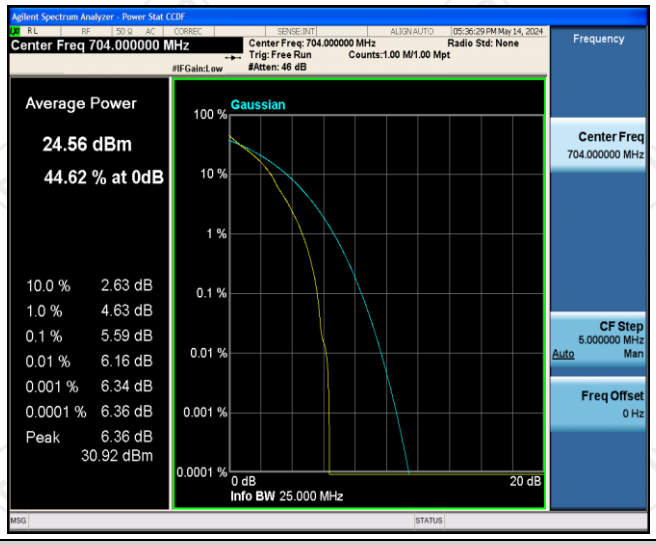

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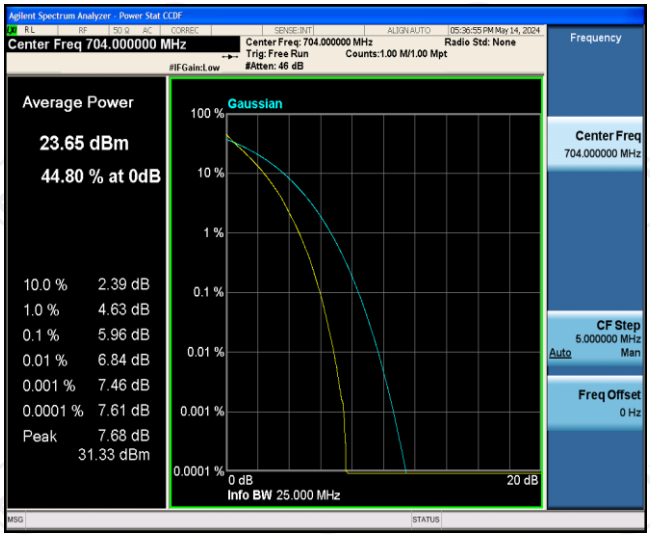

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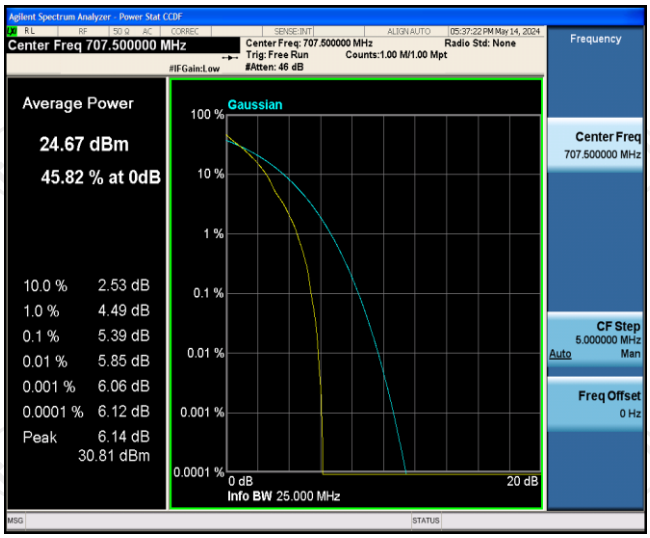

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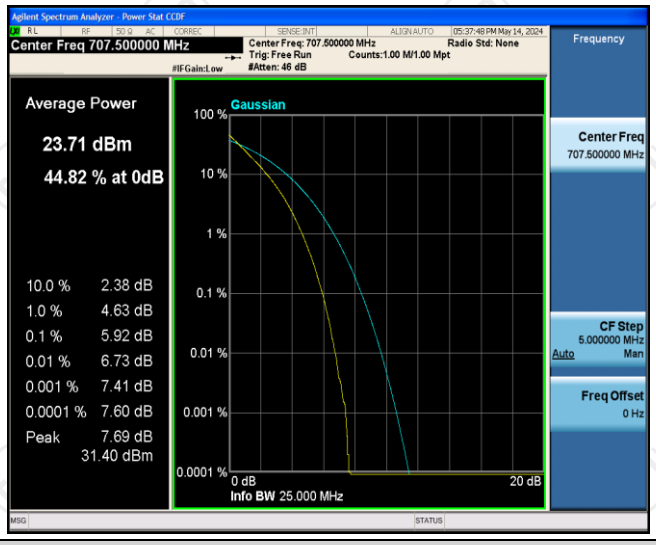

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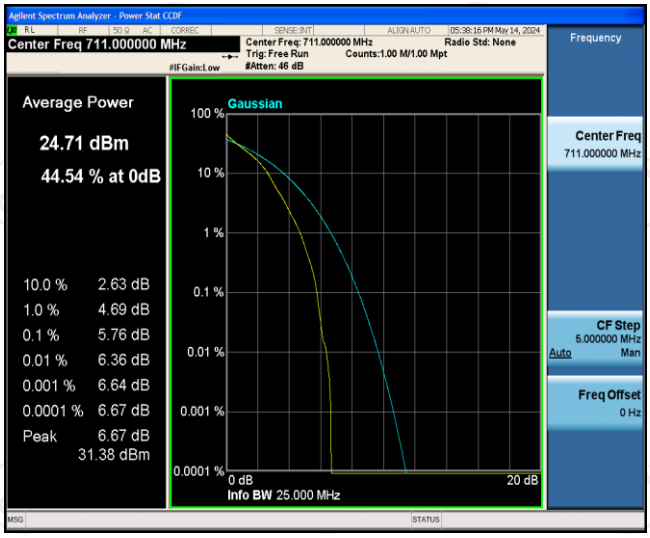
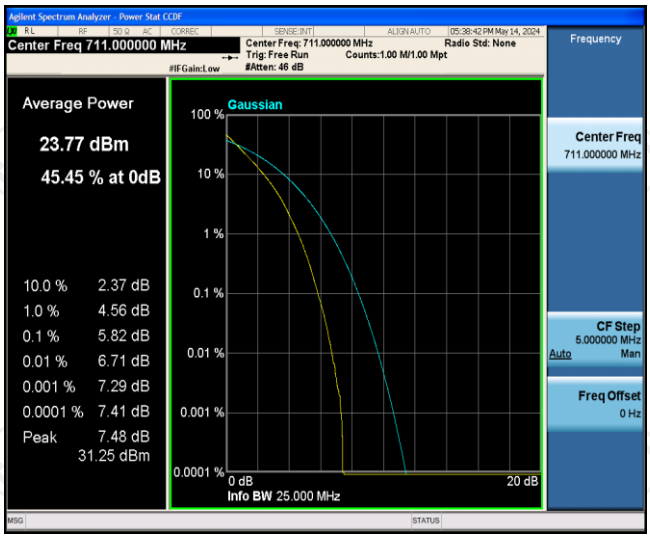


Band12-10MHz-QPSK-23130-1RB#0

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



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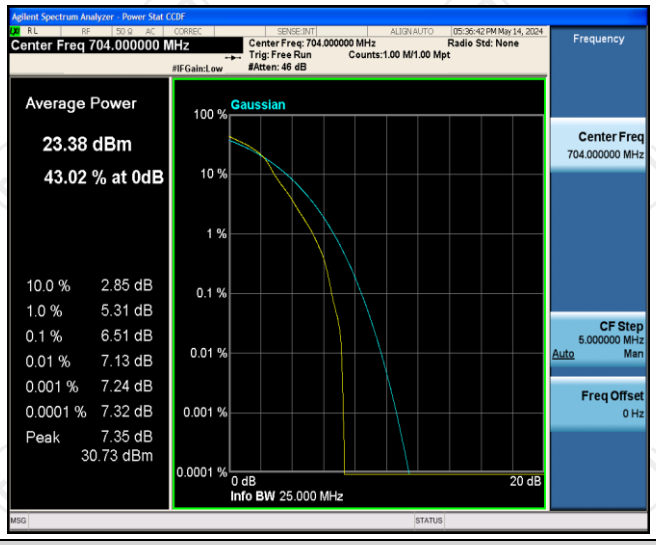

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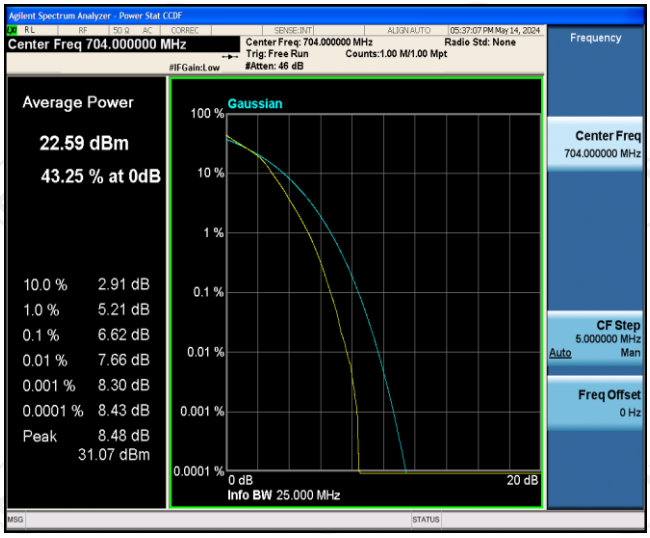

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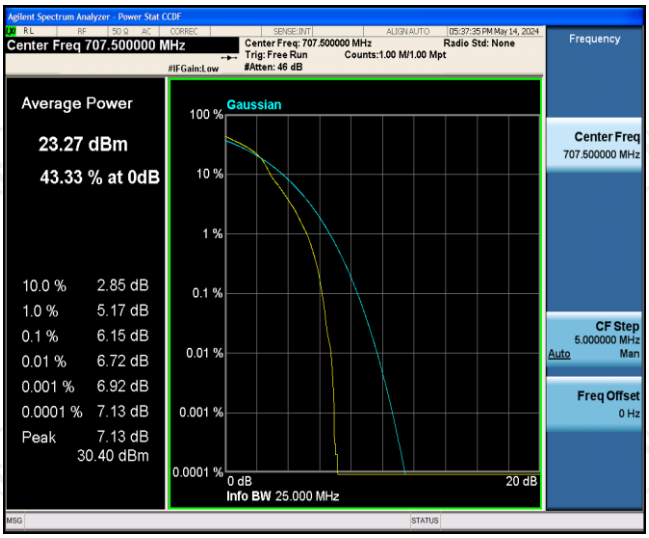

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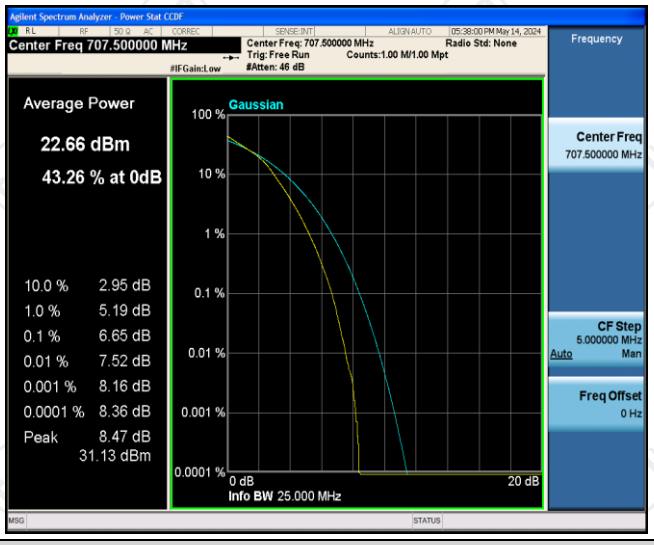

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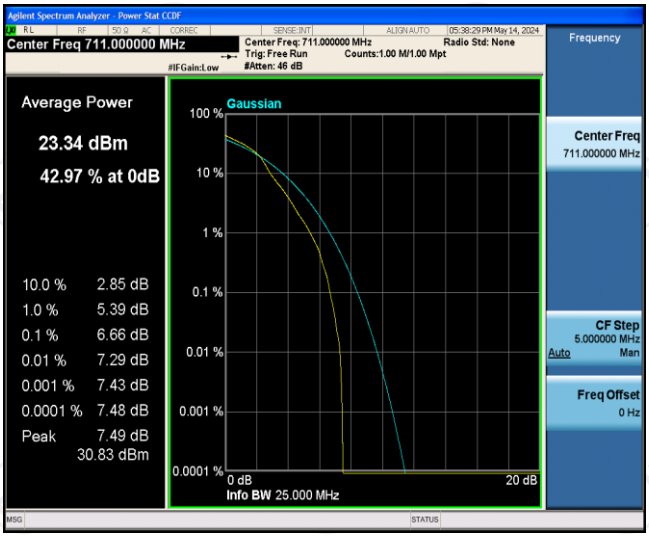
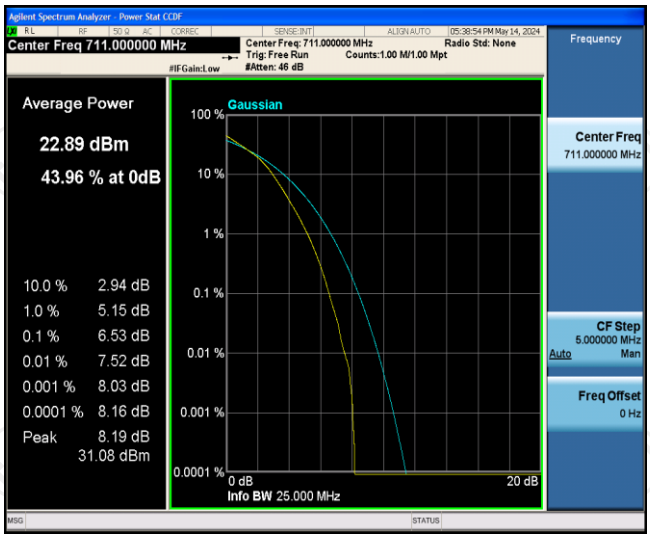


Band12-10MHz-16QAM-23130-1RB#0

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



Band12-10MHz-16QAM-23130-50RB#0

Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	1.0855	1.229	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	1.0926	1.234	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	1.0874	1.229	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	1.0934	1.239	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	1.0885	1.235	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	1.0917	1.236	PASS
Band12	3MHz	QPSK	23025	15RB#0	2.6992	2.941	PASS
Band12	3MHz	QPSK	23095	15RB#0	2.7000	2.966	PASS
Band12	3MHz	QPSK	23165	15RB#0	2.6911	2.960	PASS
Band12	3MHz	16QAM	23025	15RB#0	2.6898	2.947	PASS
Band12	3MHz	16QAM	23095	15RB#0	2.6985	2.989	PASS
Band12	3MHz	16QAM	23165	15RB#0	2.6964	2.937	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.4908	4.868	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.4904	4.902	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.4904	4.876	PASS
Band12	5MHz	16QAM	23035	25RB#0	4.4934	4.869	PASS
Band12	5MHz	16QAM	23095	25RB#0	4.4941	4.907	PASS
Band12	5MHz	16QAM	23155	25RB#0	4.4895	4.839	PASS
Band12	10MHz	QPSK	23060	50RB#0	8.9925	9.568	PASS
Band12	10MHz	QPSK	23095	50RB#0	8.9918	9.553	PASS
Band12	10MHz	QPSK	23130	50RB#0	8.9717	9.582	PASS
Band12	10MHz	16QAM	23060	50RB#0	8.9757	9.587	PASS
Band12	10MHz	16QAM	23095	50RB#0	8.9965	9.612	PASS
Band12	10MHz	16QAM	23130	50RB#0	8.9581	9.559	PASS

Test Graphs

Band12-1.4MHz-QPSK-23017-6RB#0

Band12-1.4MHz-QPSK-23095-6RB#0