

Appendix for LTE Band12

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Appendix A: Effective Radiated Power Output Data for M1

Test Result

Band	Bandwidth	Modulation	Channel	RB Size	RB Start	NB Index	Conducted Power(dBm)	Antenna Gain(dBi)	ERP (dBm)	Limit(dBm)	Verdict
Band 12	1.4MHz	23017	QPSK	1	0	Low	22.88	-3.43	17.3	-999~34.8	PASS
Band 12	1.4MHz	23017	16QAM	1	0	Low	21.74	-3.43	16.16	-999~34.8	PASS
Band 12	1.4MHz	23017	QPSK	1	5	Low	23.11	-3.43	17.53	-999~34.8	PASS
Band 12	1.4MHz	23017	16QAM	1	5	Low	22.08	-3.43	16.5	-999~34.8	PASS
Band 12	1.4MHz	23017	QPSK	6	0	Low	21.08	-3.43	15.5	-999~34.8	PASS
Band 12	1.4MHz	23017	16QAM	6	0	Low	21.08	-3.43	15.5	-999~34.8	PASS
Band 12	1.4MHz	23095	QPSK	1	0	Low	22.93	-3.43	17.35	-999~34.8	PASS
Band 12	1.4MHz	23095	16QAM	1	0	Low	21.89	-3.43	16.31	-999~34.8	PASS
Band 12	1.4MHz	23095	QPSK	1	5	Low	23.21	-3.43	17.63	-999~34.8	PASS
Band 12	1.4MHz	23095	16QAM	1	5	Low	22.14	-3.43	16.56	-999~34.8	PASS
Band 12	1.4MHz	23095	QPSK	6	0	Low	21.11	-3.43	15.53	-999~34.8	PASS
Band 12	1.4MHz	23095	16QAM	6	0	Low	21.11	-3.43	15.53	-999~34.8	PASS
Band 12	1.4MHz	23173	QPSK	1	0	High	22.96	-3.43	17.38	-999~34.8	PASS
Band 12	1.4MHz	23173	16QAM	1	0	High	22.05	-3.43	16.47	-999~34.8	PASS
Band 12	1.4MHz	23173	QPSK	1	5	High	23.16	-3.43	17.58	-999~34.8	PASS
Band 12	1.4MHz	23173	16QAM	1	5	High	22.05	-3.43	16.47	-999~34.8	PASS
Band 12	1.4MHz	23173	QPSK	6	0	High	21.17	-3.43	15.59	-999~34.8	PASS

Band 12	1.4MHz	23173	16QAM	6	0	High	21.02	-3.43	15.44	-999~34.8	PASS
Band 12	3MHz	23025	QPSK	1	0	Low	22.86	-3.43	17.28	-999~34.8	PASS
Band 12	3MHz	23025	16QAM	1	0	Low	21.79	-3.43	16.21	-999~34.8	PASS
Band 12	3MHz	23025	QPSK	1	5	Low	23.16	-3.43	17.58	-999~34.8	PASS
Band 12	3MHz	23025	16QAM	1	5	Low	22.02	-3.43	16.44	-999~34.8	PASS
Band 12	3MHz	23025	QPSK	6	0	Low	20.98	-3.43	15.4	-999~34.8	PASS
Band 12	3MHz	23025	16QAM	6	0	Low	20.98	-3.43	15.4	-999~34.8	PASS
Band 12	3MHz	23095	QPSK	1	0	Low	22.93	-3.43	17.35	-999~34.8	PASS
Band 12	3MHz	23095	16QAM	1	0	Low	21.96	-3.43	16.38	-999~34.8	PASS
Band 12	3MHz	23095	QPSK	1	5	Low	23.18	-3.43	17.6	-999~34.8	PASS
Band 12	3MHz	23095	16QAM	1	5	Low	22.17	-3.43	16.59	-999~34.8	PASS
Band 12	3MHz	23095	QPSK	6	0	Low	21.16	-3.43	15.58	-999~34.8	PASS
Band 12	3MHz	23095	16QAM	6	0	Low	21.16	-3.43	15.58	-999~34.8	PASS
Band 12	3MHz	23165	QPSK	1	0	High	23	-3.43	17.42	-999~34.8	PASS
Band 12	3MHz	23165	16QAM	1	0	High	22.02	-3.43	16.44	-999~34.8	PASS
Band 12	3MHz	23165	QPSK	1	5	High	23.2	-3.43	17.62	-999~34.8	PASS
Band 12	3MHz	23165	16QAM	1	5	High	22.17	-3.43	16.59	-999~34.8	PASS
Band 12	3MHz	23165	QPSK	6	0	High	21.12	-3.43	15.54	-999~34.8	PASS
Band 12	3MHz	23165	16QAM	6	0	High	21.12	-3.43	15.54	-999~34.8	PASS
Band 12	5MHz	23035	QPSK	1	0	Low	22.82	-3.43	17.24	-999~34.8	PASS
Band 12	5MHz	23035	16QAM	1	0	Low	22.73	-3.43	17.15	-999~34.8	PASS

Band 12	5MHz	23035	QPS K	1	5	Low	23.16	-3.43	17.58	-999~34.8	PAS S
Band 12	5MHz	23035	16QA M	1	5	Low	22.84	-3.43	17.26	-999~34.8	PAS S
Band 12	5MHz	23035	QPS K	6	0	Low	22.03	-3.43	16.45	-999~34.8	PAS S
Band 12	5MHz	23035	16QA M	6	0	Low	21.93	-3.43	16.35	-999~34.8	PAS S
Band 12	5MHz	23095	QPS K	1	0	Low	22.95	-3.43	17.37	-999~34.8	PAS S
Band 12	5MHz	23095	16QA M	1	0	Low	22.76	-3.43	17.18	-999~34.8	PAS S
Band 12	5MHz	23095	QPS K	1	5	Low	23.05	-3.43	17.47	-999~34.8	PAS S
Band 12	5MHz	23095	16QA M	1	5	Low	23.06	-3.43	17.48	-999~34.8	PAS S
Band 12	5MHz	23095	QPS K	6	0	Low	22.01	-3.43	16.43	-999~34.8	PAS S
Band 12	5MHz	23095	16QA M	6	0	Low	22.02	-3.43	16.44	-999~34.8	PAS S
Band 12	5MHz	23155	QPS K	1	0	High	23.08	-3.43	17.5	-999~34.8	PAS S
Band 12	5MHz	23155	16QA M	1	0	High	22.78	-3.43	17.2	-999~34.8	PAS S
Band 12	5MHz	23155	QPS K	1	5	High	23.13	-3.43	17.55	-999~34.8	PAS S
Band 12	5MHz	23155	16QA M	1	5	High	22.91	-3.43	17.33	-999~34.8	PAS S
Band 12	5MHz	23155	QPS K	6	0	High	22.04	-3.43	16.46	-999~34.8	PAS S
Band 12	5MHz	23155	16QA M	6	0	High	21.99	-3.43	16.41	-999~34.8	PAS S
Band 12	10MHz	23060	QPS K	1	0	Low	23.06	-3.43	17.48	-999~34.8	PAS S
Band 12	10MHz	23060	16QA M	1	0	Low	22.8	-3.43	17.22	-999~34.8	PAS S
Band 12	10MHz	23060	QPS K	1	5	Low	23.22	-3.43	17.64	-999~34.8	PAS S
Band 12	10MHz	23060	16QA M	1	5	Low	22.98	-3.43	17.4	-999~34.8	PAS S
Band 12	10MHz	23060	QPS K	6	0	Low	22.07	-3.43	16.49	-999~34.8	PAS S

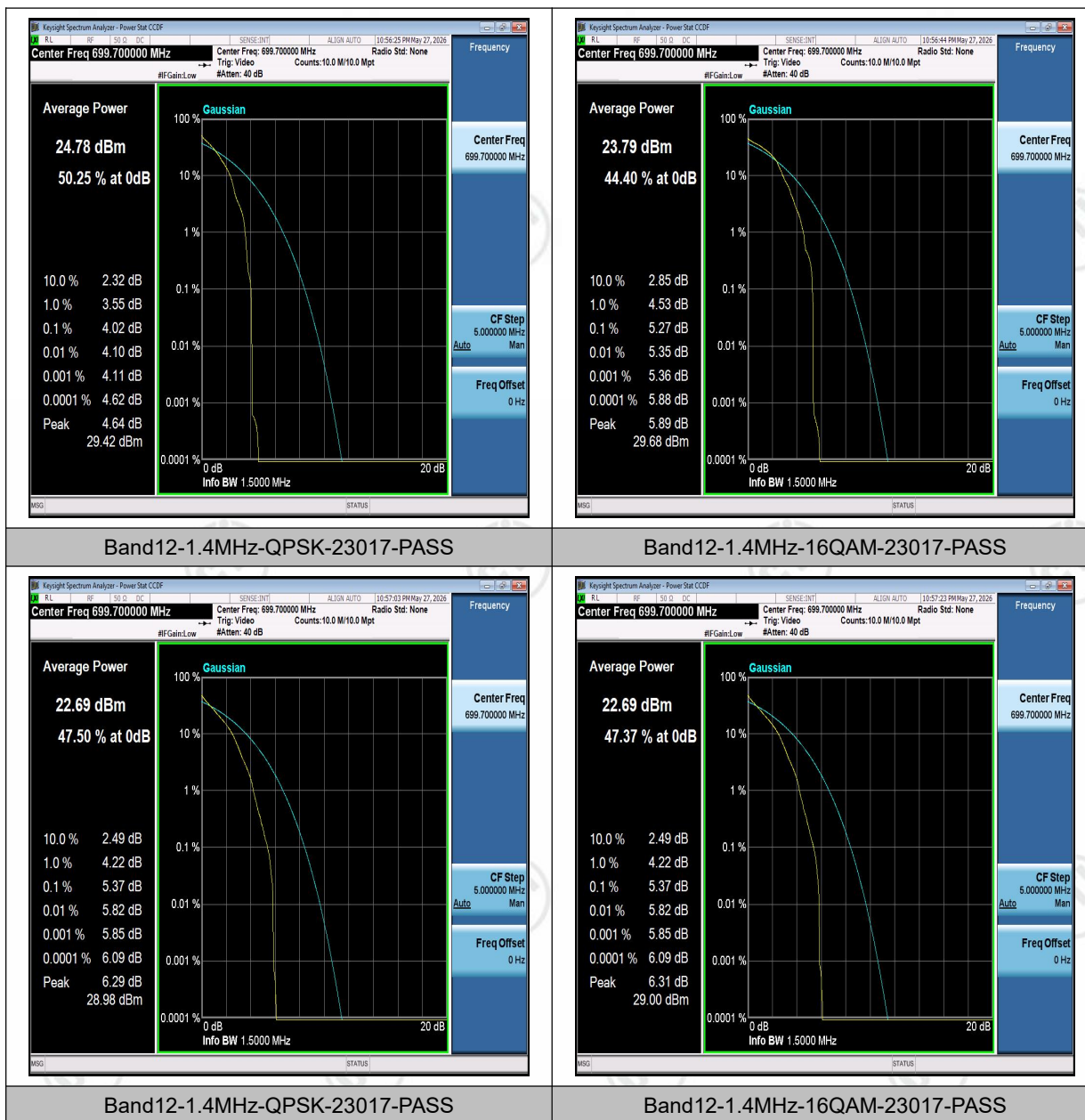
Band 12	10MHz	23060	16QAM	6	0	Low	22.07	-3.43	16.49	-999~34.8	PASS
Band 12	10MHz	23095	QPSK	1	0	Low	22.88	-3.43	17.3	-999~34.8	PASS
Band 12	10MHz	23095	16QAM	1	0	Low	22.78	-3.43	17.2	-999~34.8	PASS
Band 12	10MHz	23095	QPSK	1	5	Low	22.99	-3.43	17.41	-999~34.8	PASS
Band 12	10MHz	23095	16QAM	1	5	Low	23.03	-3.43	17.45	-999~34.8	PASS
Band 12	10MHz	23095	QPSK	6	0	Low	22.15	-3.43	16.57	-999~34.8	PASS
Band 12	10MHz	23095	16QAM	6	0	Low	22.09	-3.43	16.51	-999~34.8	PASS
Band 12	10MHz	23130	QPSK	1	0	High	23.09	-3.43	17.51	-999~34.8	PASS
Band 12	10MHz	23130	16QAM	1	0	High	22.78	-3.43	17.2	-999~34.8	PASS
Band 12	10MHz	23130	QPSK	1	5	High	23.04	-3.43	17.46	-999~34.8	PASS
Band 12	10MHz	23130	16QAM	1	5	High	22.91	-3.43	17.33	-999~34.8	PASS
Band 12	10MHz	23130	QPSK	6	0	High	22.04	-3.43	16.46	-999~34.8	PASS
Band 12	10MHz	23130	16QAM	6	0	High	22.05	-3.43	16.47	-999~34.8	PASS

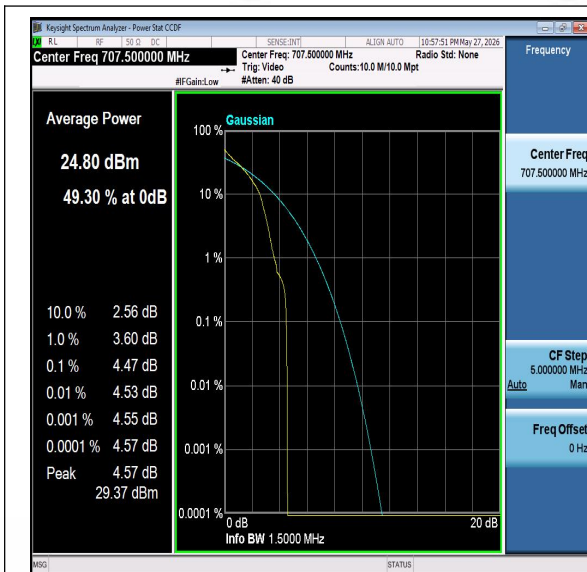
Appendix B: Peak-to-Average Ratio(CCDF) for M1**Test Result**

Band	Bandwidth	Modulation	Channel	RB Size	RB Start	NBIndex	Result(dB)	Limit(dB)	Verdict
Band12	1.4MHz	23017	QPSK	1	0	Low	4.02	<=13	PASS
Band12	1.4MHz	23017	16QAM	1	0	Low	5.27	<=13	PASS
Band12	1.4MHz	23017	QPSK	6	0	Low	5.37	<=13	PASS
Band12	1.4MHz	23017	16QAM	6	0	Low	5.37	<=13	PASS
Band12	1.4MHz	23095	QPSK	1	0	Low	4.47	<=13	PASS
Band12	1.4MHz	23095	16QAM	1	0	Low	5.48	<=13	PASS
Band12	1.4MHz	23095	QPSK	6	0	Low	5.31	<=13	PASS
Band12	1.4MHz	23095	16QAM	6	0	Low	5.31	<=13	PASS
Band12	1.4MHz	23173	QPSK	1	0	High	4.29	<=13	PASS
Band12	1.4MHz	23173	16QAM	1	0	High	5.53	<=13	PASS
Band12	1.4MHz	23173	QPSK	6	0	High	5.20	<=13	PASS
Band12	1.4MHz	23173	16QAM	6	0	High	5.19	<=13	PASS
Band12	3MHz	23025	QPSK	1	0	Low	4.55	<=13	PASS
Band12	3MHz	23025	16QAM	1	0	Low	5.48	<=13	PASS
Band12	3MHz	23025	QPSK	6	0	Low	5.40	<=13	PASS
Band12	3MHz	23025	16QAM	6	0	Low	5.38	<=13	PASS
Band12	3MHz	23095	QPSK	1	0	Low	4.19	<=13	PASS
Band12	3MHz	23095	16QAM	1	0	Low	5.48	<=13	PASS
Band12	3MHz	23095	QPSK	6	0	Low	5.10	<=13	PASS
Band12	3MHz	23095	16QAM	6	0	Low	5.18	<=13	PASS
Band12	3MHz	23165	QPSK	1	0	High	4.21	<=13	PASS
Band12	3MHz	23165	16QAM	1	0	High	4.96	<=13	PASS
Band12	3MHz	23165	QPSK	6	0	High	5.47	<=13	PASS
Band12	3MHz	23165	16QAM	6	0	High	5.47	<=13	PASS
Band12	5MHz	23035	QPSK	1	0	Low	4.25	<=13	PASS
Band12	5MHz	23035	16QAM	1	0	Low	6.13	<=13	PASS
Band12	5MHz	23035	QPSK	6	0	Low	4.62	<=13	PASS
Band12	5MHz	23035	16QAM	6	0	Low	4.66	<=13	PASS
Band12	5MHz	23095	QPSK	1	0	Low	4.40	<=13	PASS
Band12	5MHz	23095	16QAM	1	0	Low	5.94	<=13	PASS
Band12	5MHz	23095	QPSK	6	0	Low	4.90	<=13	PASS
Band12	5MHz	23095	16QAM	6	0	Low	4.89	<=13	PASS
Band12	5MHz	23155	QPSK	1	0	High	4.79	<=13	PASS
Band12	5MHz	23155	16QAM	1	0	High	5.80	<=13	PASS

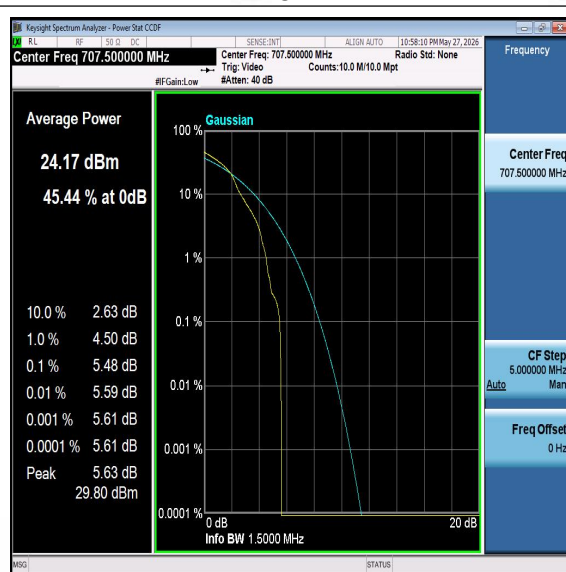
Band12	5MHz	23155	QPSK	6	0	High	5.07	<=13	PASS
Band12	5MHz	23155	16QAM	6	0	High	5.06	<=13	PASS
Band12	10MHz	23060	QPSK	1	0	Low	4.38	<=13	PASS
Band12	10MHz	23060	16QAM	1	0	Low	6.32	<=13	PASS
Band12	10MHz	23060	QPSK	6	0	Low	4.79	<=13	PASS
Band12	10MHz	23060	16QAM	6	0	Low	4.75	<=13	PASS
Band12	10MHz	23095	QPSK	1	0	Low	4.39	<=13	PASS
Band12	10MHz	23095	16QAM	1	0	Low	5.99	<=13	PASS
Band12	10MHz	23095	QPSK	6	0	Low	5.09	<=13	PASS
Band12	10MHz	23095	16QAM	6	0	Low	5.16	<=13	PASS
Band12	10MHz	23130	QPSK	1	0	High	4.80	<=13	PASS
Band12	10MHz	23130	16QAM	1	0	High	6.28	<=13	PASS
Band12	10MHz	23130	QPSK	6	0	High	5.33	<=13	PASS
Band12	10MHz	23130	16QAM	6	0	High	5.41	<=13	PASS

Test Graphs

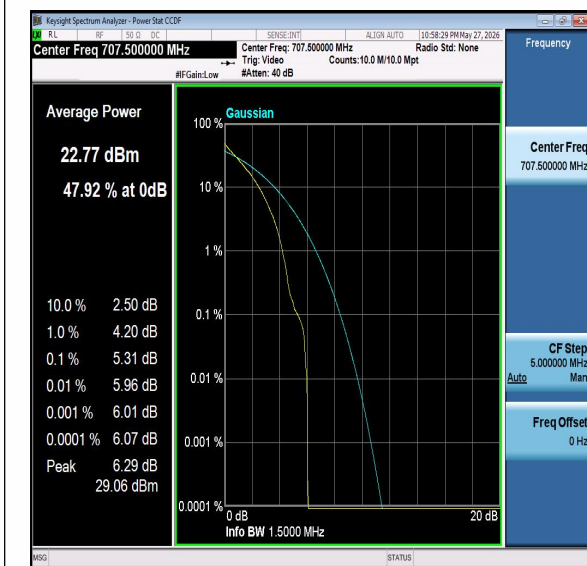




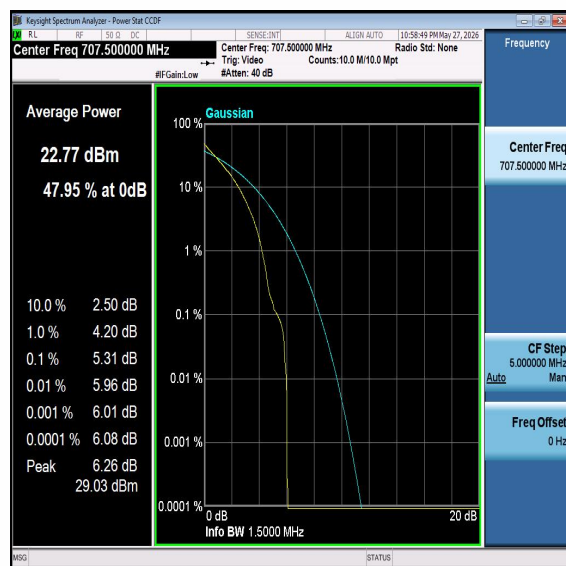
Band12-1.4MHz-QPSK-23095-PASS



Band12-1.4MHz-16QAM-23095-PASS



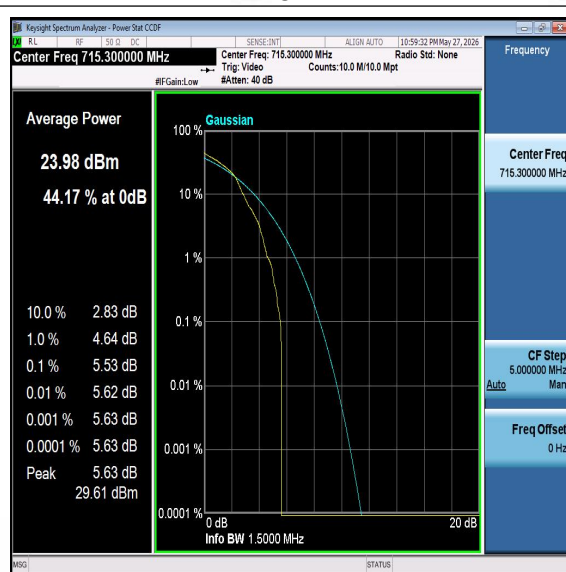
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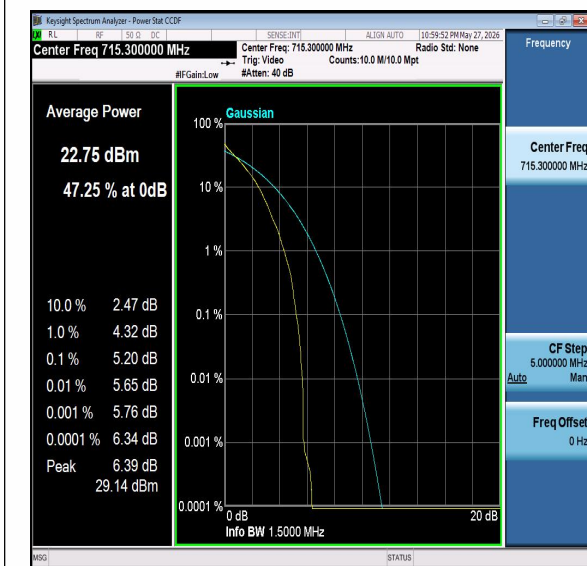
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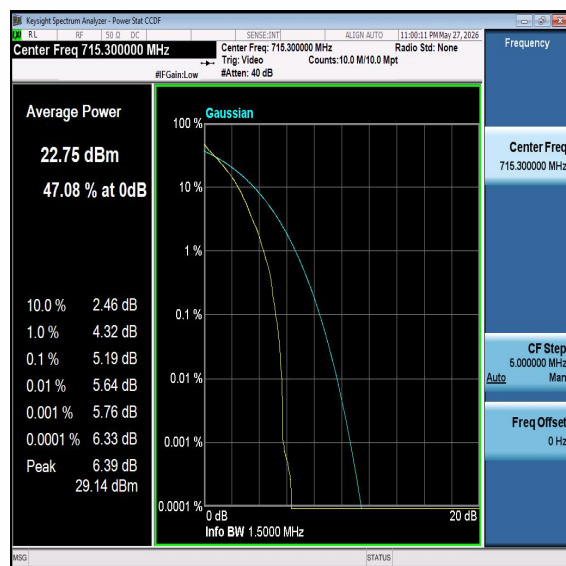
Band12-1.4MHz-QPSK-23173-PASS



Band12-1.4MHz-16QAM-23173-PASS



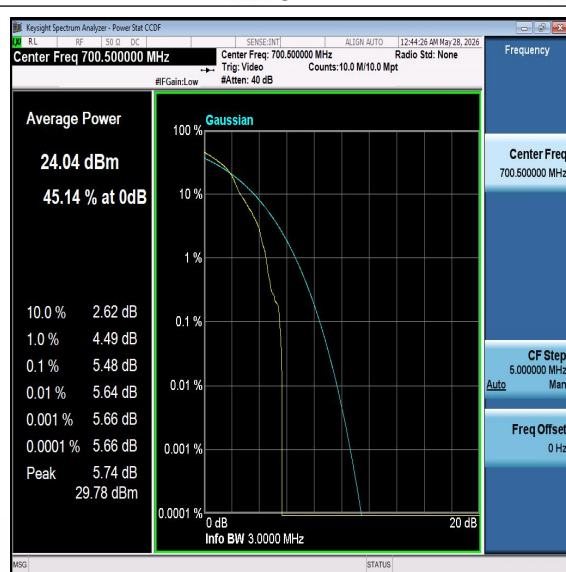
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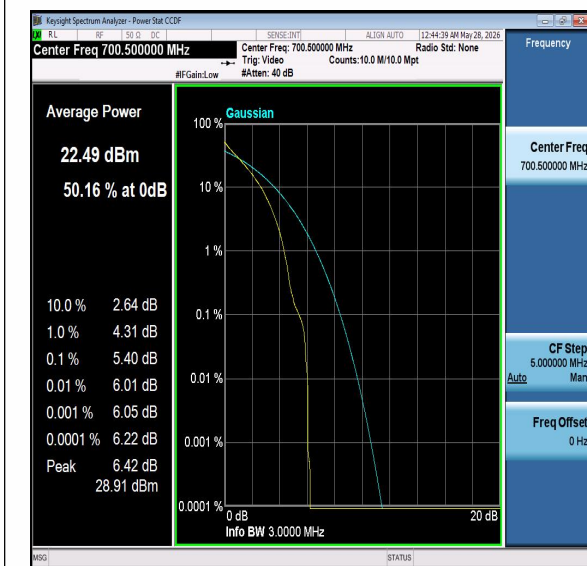
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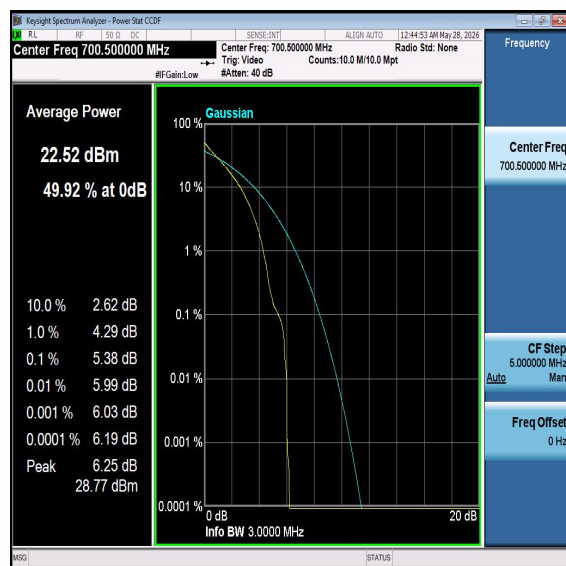
Band12-3MHz-QPSK-23025-PASS



Band12-3MHz-16QAM-23025-PASS



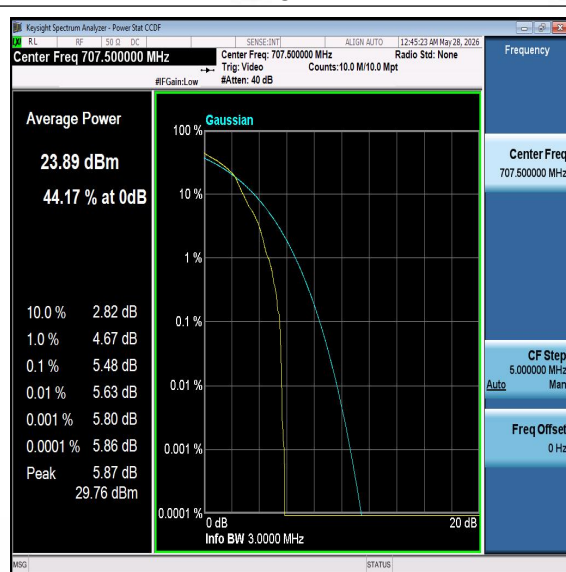
Band12-3MHz-QPSK-23025-PASS



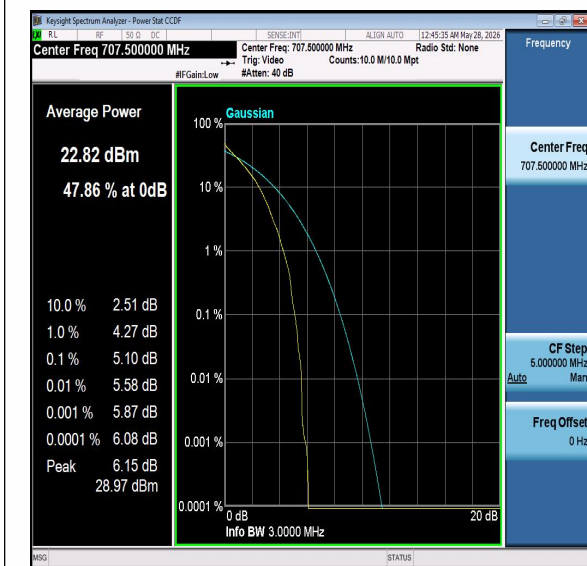
Band12-3MHz-16QAM-23025-PASS



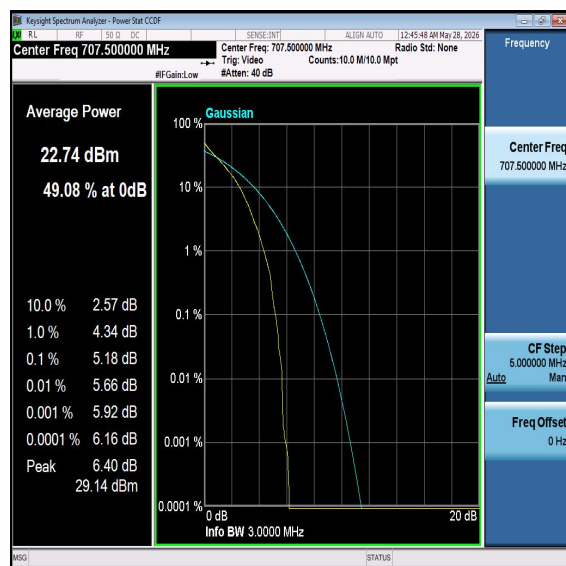
Band12-3MHz-QPSK-23095-PASS



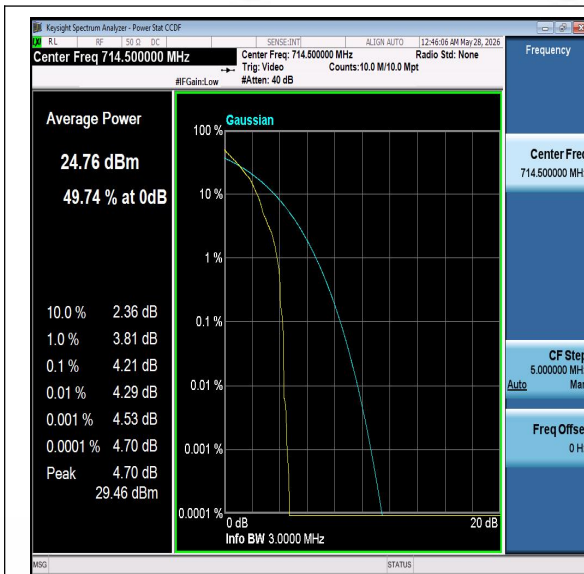
Band12-3MHz-16QAM-23095-PASS



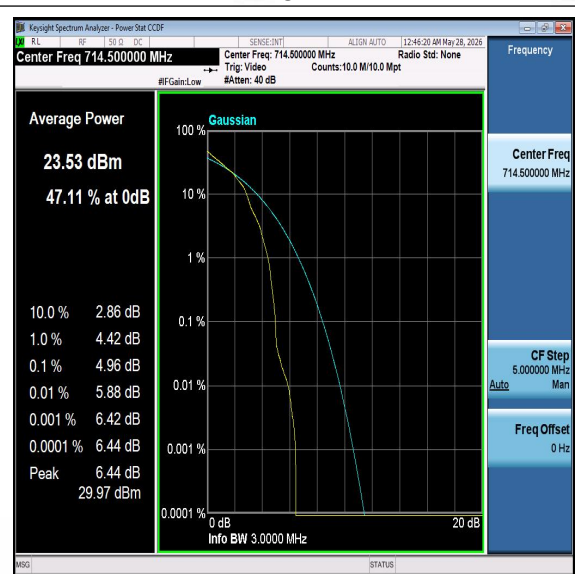
Band12-3MHz-QPSK-23095-PASS



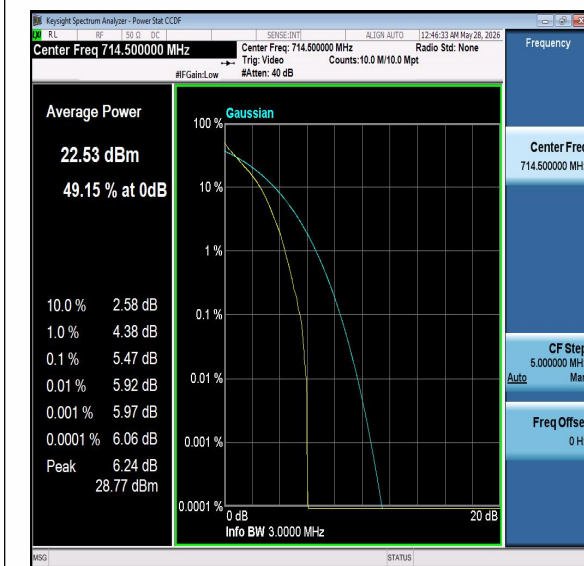
Band12-3MHz-16QAM-23095-PASS



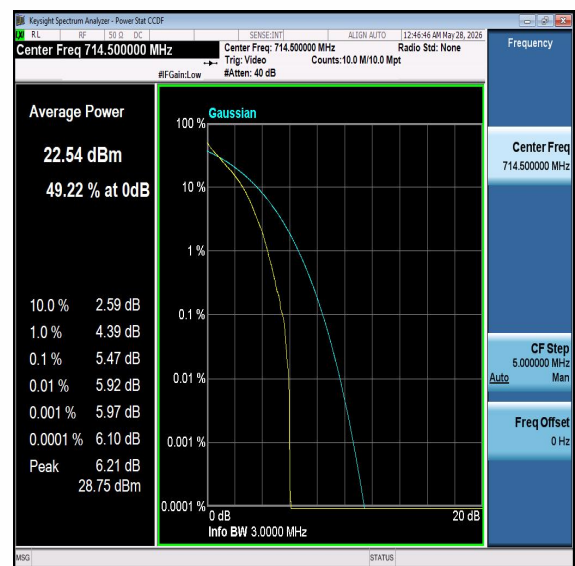
Band12-3MHz-QPSK-23165-PASS



Band12-3MHz-16QAM-23165-PASS



Band12-3MHz-QPSK-23165-PASS



Band12-3MHz-16QAM-23165-PASS