



Appendix F: Test Data for E-UTRA Band 12

Product Name: 4G Feature Phone

Test Model: C1

Environmental Conditions

Temperature:	23.9°C
Relative Humidity:	52.3%
ATM Pressure:	100.0 kPa
Test Engineer:	Paddi Chen
Supervised by:	Nick Peng



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F.1 Conducted Output Power Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	24.27	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	23.98	PASS
Band12	1.4MHz	QPSK	23017	1RB#2	24.35	PASS
Band12	1.4MHz	16QAM	23017	1RB#2	24.42	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	24.22	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	24.52	PASS
Band12	1.4MHz	QPSK	23017	3RB#0	24.54	PASS
Band12	1.4MHz	16QAM	23017	3RB#0	23.56	PASS
Band12	1.4MHz	QPSK	23017	3RB#1	24.36	PASS
Band12	1.4MHz	16QAM	23017	3RB#1	23.91	PASS
Band12	1.4MHz	QPSK	23017	3RB#3	24.39	PASS
Band12	1.4MHz	16QAM	23017	3RB#3	23.91	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	24.38	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	23.68	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	24.23	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	24.02	PASS
Band12	1.4MHz	QPSK	23095	1RB#2	24.27	PASS
Band12	1.4MHz	16QAM	23095	1RB#2	24	PASS
Band12	1.4MHz	QPSK	23095	1RB#5	24.24	PASS
Band12	1.4MHz	16QAM	23095	1RB#5	24.49	PASS
Band12	1.4MHz	QPSK	23095	3RB#0	24.31	PASS
Band12	1.4MHz	16QAM	23095	3RB#0	24.51	PASS
Band12	1.4MHz	QPSK	23095	3RB#1	24.29	PASS
Band12	1.4MHz	16QAM	23095	3RB#1	24.24	PASS
Band12	1.4MHz	QPSK	23095	3RB#3	24.32	PASS
Band12	1.4MHz	16QAM	23095	3RB#3	24.48	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	24.4	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	23.74	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	24.17	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	23.74	PASS
Band12	1.4MHz	QPSK	23173	1RB#2	24.16	PASS
Band12	1.4MHz	16QAM	23173	1RB#2	23.75	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	24.27	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	23.82	PASS
Band12	1.4MHz	QPSK	23173	3RB#0	24.1	PASS



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Band12	1.4MHz	16QAM	23173	3RB#0	24.07	PASS
Band12	1.4MHz	QPSK	23173	3RB#1	24.08	PASS
Band12	1.4MHz	16QAM	23173	3RB#1	24.06	PASS
Band12	1.4MHz	QPSK	23173	3RB#3	24.22	PASS
Band12	1.4MHz	16QAM	23173	3RB#3	24.37	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	24.38	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	23.63	PASS
Band12	3MHz	QPSK	23025	1RB#0	24.57	PASS
Band12	3MHz	16QAM	23025	1RB#0	24.36	PASS
Band12	3MHz	QPSK	23025	1RB#8	24.22	PASS
Band12	3MHz	16QAM	23025	1RB#8	24.35	PASS
Band12	3MHz	QPSK	23025	1RB#14	24.29	PASS
Band12	3MHz	16QAM	23025	1RB#14	24.44	PASS
Band12	3MHz	QPSK	23025	8RB#0	23.58	PASS
Band12	3MHz	16QAM	23025	8RB#0	23.85	PASS
Band12	3MHz	QPSK	23025	8RB#4	23.59	PASS
Band12	3MHz	16QAM	23025	8RB#4	23.91	PASS
Band12	3MHz	QPSK	23025	8RB#7	23.53	PASS
Band12	3MHz	16QAM	23025	8RB#7	23.93	PASS
Band12	3MHz	QPSK	23025	15RB#0	23.55	PASS
Band12	3MHz	16QAM	23025	15RB#0	23.81	PASS
Band12	3MHz	QPSK	23095	1RB#0	24.39	PASS
Band12	3MHz	16QAM	23095	1RB#0	24.19	PASS
Band12	3MHz	QPSK	23095	1RB#8	24.41	PASS
Band12	3MHz	16QAM	23095	1RB#8	23.84	PASS
Band12	3MHz	QPSK	23095	1RB#14	24.38	PASS
Band12	3MHz	16QAM	23095	1RB#14	23.83	PASS
Band12	3MHz	QPSK	23095	8RB#0	24.41	PASS
Band12	3MHz	16QAM	23095	8RB#0	23.78	PASS
Band12	3MHz	QPSK	23095	8RB#4	24.41	PASS
Band12	3MHz	16QAM	23095	8RB#4	23.84	PASS
Band12	3MHz	QPSK	23095	8RB#7	24.44	PASS
Band12	3MHz	16QAM	23095	8RB#7	23.86	PASS
Band12	3MHz	QPSK	23095	15RB#0	24.44	PASS
Band12	3MHz	16QAM	23095	15RB#0	24.09	PASS
Band12	3MHz	QPSK	23165	1RB#0	24.31	PASS
Band12	3MHz	16QAM	23165	1RB#0	23.88	PASS
Band12	3MHz	QPSK	23165	1RB#8	24.26	PASS
Band12	3MHz	16QAM	23165	1RB#8	24.19	PASS
Band12	3MHz	QPSK	23165	1RB#14	24.03	PASS



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Band12	3MHz	16QAM	23165	1RB#14	24.02	PASS
Band12	3MHz	QPSK	23165	8RB#0	24.32	PASS
Band12	3MHz	16QAM	23165	8RB#0	23.72	PASS
Band12	3MHz	QPSK	23165	8RB#4	24.32	PASS
Band12	3MHz	16QAM	23165	8RB#4	23.72	PASS
Band12	3MHz	QPSK	23165	8RB#7	24.34	PASS
Band12	3MHz	16QAM	23165	8RB#7	23.91	PASS
Band12	3MHz	QPSK	23165	15RB#0	24.35	PASS
Band12	3MHz	16QAM	23165	15RB#0	24.47	PASS
Band12	5MHz	QPSK	23035	1RB#0	24.59	PASS
Band12	5MHz	16QAM	23035	1RB#0	24.23	PASS
Band12	5MHz	QPSK	23035	1RB#12	24.54	PASS
Band12	5MHz	16QAM	23035	1RB#12	24.22	PASS
Band12	5MHz	QPSK	23035	1RB#24	24.52	PASS
Band12	5MHz	16QAM	23035	1RB#24	24.11	PASS
Band12	5MHz	QPSK	23035	12RB#0	23.74	PASS
Band12	5MHz	16QAM	23035	12RB#0	23.88	PASS
Band12	5MHz	QPSK	23035	12RB#6	23.74	PASS
Band12	5MHz	16QAM	23035	12RB#6	23.88	PASS
Band12	5MHz	QPSK	23035	12RB#13	23.66	PASS
Band12	5MHz	16QAM	23035	12RB#13	23.73	PASS
Band12	5MHz	QPSK	23035	25RB#0	23.63	PASS
Band12	5MHz	16QAM	23035	25RB#0	23.91	PASS
Band12	5MHz	QPSK	23095	1RB#0	24.39	PASS
Band12	5MHz	16QAM	23095	1RB#0	23.9	PASS
Band12	5MHz	QPSK	23095	1RB#12	24.21	PASS
Band12	5MHz	16QAM	23095	1RB#12	24.29	PASS
Band12	5MHz	QPSK	23095	1RB#24	24.45	PASS
Band12	5MHz	16QAM	23095	1RB#24	24.25	PASS
Band12	5MHz	QPSK	23095	12RB#0	23.59	PASS
Band12	5MHz	16QAM	23095	12RB#0	23.69	PASS
Band12	5MHz	QPSK	23095	12RB#6	24.43	PASS
Band12	5MHz	16QAM	23095	12RB#6	23.69	PASS
Band12	5MHz	QPSK	23095	12RB#13	23.55	PASS
Band12	5MHz	16QAM	23095	12RB#13	23.62	PASS
Band12	5MHz	QPSK	23095	25RB#0	24.43	PASS
Band12	5MHz	16QAM	23095	25RB#0	23.57	PASS
Band12	5MHz	QPSK	23155	1RB#0	24.19	PASS
Band12	5MHz	16QAM	23155	1RB#0	24.34	PASS
Band12	5MHz	QPSK	23155	1RB#12	24.13	PASS



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Band12	5MHz	16QAM	23155	1RB#12	24.22	PASS
Band12	5MHz	QPSK	23155	1RB#24	24.53	PASS
Band12	5MHz	16QAM	23155	1RB#24	24.38	PASS
Band12	5MHz	QPSK	23155	12RB#0	24.42	PASS
Band12	5MHz	16QAM	23155	12RB#0	23.58	PASS
Band12	5MHz	QPSK	23155	12RB#6	24.47	PASS
Band12	5MHz	16QAM	23155	12RB#6	24.46	PASS
Band12	5MHz	QPSK	23155	12RB#13	24.39	PASS
Band12	5MHz	16QAM	23155	12RB#13	24.46	PASS
Band12	5MHz	QPSK	23155	25RB#0	24.34	PASS
Band12	5MHz	16QAM	23155	25RB#0	23.69	PASS
Band12	10MHz	QPSK	23060	1RB#0	24.85	PASS
Band12	10MHz	16QAM	23060	1RB#0	23.91	PASS
Band12	10MHz	QPSK	23060	1RB#24	24.76	PASS
Band12	10MHz	16QAM	23060	1RB#24	23.83	PASS
Band12	10MHz	QPSK	23060	1RB#49	24.63	PASS
Band12	10MHz	16QAM	23060	1RB#49	24.05	PASS
Band12	10MHz	QPSK	23060	25RB#0	23.9	PASS
Band12	10MHz	16QAM	23060	25RB#0	24.09	PASS
Band12	10MHz	QPSK	23060	25RB#12	23.9	PASS
Band12	10MHz	16QAM	23060	25RB#12	24.09	PASS
Band12	10MHz	QPSK	23060	25RB#25	23.79	PASS
Band12	10MHz	16QAM	23060	25RB#25	24.02	PASS
Band12	10MHz	QPSK	23060	50RB#0	23.8	PASS
Band12	10MHz	16QAM	23060	50RB#0	23.99	PASS
Band12	10MHz	QPSK	23095	1RB#0	24.61	PASS
Band12	10MHz	16QAM	23095	1RB#0	24.54	PASS
Band12	10MHz	QPSK	23095	1RB#24	24.48	PASS
Band12	10MHz	16QAM	23095	1RB#24	23.94	PASS
Band12	10MHz	QPSK	23095	1RB#49	24.45	PASS
Band12	10MHz	16QAM	23095	1RB#49	23.89	PASS
Band12	10MHz	QPSK	23095	25RB#0	23.81	PASS
Band12	10MHz	16QAM	23095	25RB#0	23.99	PASS
Band12	10MHz	QPSK	23095	25RB#12	23.81	PASS
Band12	10MHz	16QAM	23095	25RB#12	23.99	PASS
Band12	10MHz	QPSK	23095	25RB#25	23.64	PASS
Band12	10MHz	16QAM	23095	25RB#25	23.87	PASS
Band12	10MHz	QPSK	23095	50RB#0	23.66	PASS
Band12	10MHz	16QAM	23095	50RB#0	23.98	PASS
Band12	10MHz	QPSK	23130	1RB#0	24.46	PASS



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Band12	10MHz	16QAM	23130	1RB#0	23.86	PASS
Band12	10MHz	QPSK	23130	1RB#24	24.35	PASS
Band12	10MHz	16QAM	23130	1RB#24	23.77	PASS
Band12	10MHz	QPSK	23130	1RB#49	24.25	PASS
Band12	10MHz	16QAM	23130	1RB#49	23.82	PASS
Band12	10MHz	QPSK	23130	25RB#0	23.78	PASS
Band12	10MHz	16QAM	23130	25RB#0	23.83	PASS
Band12	10MHz	QPSK	23130	25RB#12	23.69	PASS
Band12	10MHz	16QAM	23130	25RB#12	23.83	PASS
Band12	10MHz	QPSK	23130	25RB#25	23.67	PASS
Band12	10MHz	16QAM	23130	25RB#25	23.8	PASS
Band12	10MHz	QPSK	23130	50RB#0	24.32	PASS
Band12	10MHz	16QAM	23130	50RB#0	23.87	PASS



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F.2 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	4.80	13	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	5.26	13	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	5.37	13	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	6.09	13	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	4.71	13	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	5.18	13	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	5.33	13	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	6.02	13	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	4.29	13	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	4.82	13	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	4.89	13	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	5.54	13	PASS
Band12	3MHz	QPSK	23025	1RB#0	4.84	13	PASS
Band12	3MHz	16QAM	23025	1RB#0	5.65	13	PASS
Band12	3MHz	QPSK	23025	15RB#0	5.42	13	PASS
Band12	3MHz	16QAM	23025	15RB#0	6.18	13	PASS
Band12	3MHz	QPSK	23095	1RB#0	4.78	13	PASS
Band12	3MHz	16QAM	23095	1RB#0	5.56	13	PASS
Band12	3MHz	QPSK	23095	15RB#0	5.33	13	PASS
Band12	3MHz	16QAM	23095	15RB#0	6.08	13	PASS
Band12	3MHz	QPSK	23165	1RB#0	4.54	13	PASS
Band12	3MHz	16QAM	23165	1RB#0	5.31	13	PASS
Band12	3MHz	QPSK	23165	15RB#0	4.98	13	PASS
Band12	3MHz	16QAM	23165	15RB#0	5.72	13	PASS
Band12	5MHz	QPSK	23035	1RB#0	4.90	13	PASS
Band12	5MHz	16QAM	23035	1RB#0	5.63	13	PASS
Band12	5MHz	QPSK	23035	25RB#0	5.54	13	PASS
Band12	5MHz	16QAM	23035	25RB#0	6.17	13	PASS
Band12	5MHz	QPSK	23095	1RB#0	4.81	13	PASS
Band12	5MHz	16QAM	23095	1RB#0	5.56	13	PASS
Band12	5MHz	QPSK	23095	25RB#0	5.47	13	PASS
Band12	5MHz	16QAM	23095	25RB#0	6.11	13	PASS
Band12	5MHz	QPSK	23155	1RB#0	4.80	13	PASS
Band12	5MHz	16QAM	23155	1RB#0	5.57	13	PASS
Band12	5MHz	QPSK	23155	25RB#0	5.30	13	PASS



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Band12	5MHz	16QAM	23155	25RB#0	5.93	13	PASS
Band12	10MHz	QPSK	23060	1RB#0	4.59	13	PASS
Band12	10MHz	16QAM	23060	1RB#0	5.31	13	PASS
Band12	10MHz	QPSK	23060	50RB#0	5.44	13	PASS
Band12	10MHz	16QAM	23060	50RB#0	6.17	13	PASS
Band12	10MHz	QPSK	23095	1RB#0	4.83	13	PASS
Band12	10MHz	16QAM	23095	1RB#0	5.57	13	PASS
Band12	10MHz	QPSK	23095	50RB#0	5.49	13	PASS
Band12	10MHz	16QAM	23095	50RB#0	6.16	13	PASS
Band12	10MHz	QPSK	23130	1RB#0	4.59	13	PASS
Band12	10MHz	16QAM	23130	1RB#0	5.28	13	PASS
Band12	10MHz	QPSK	23130	50RB#0	5.39	13	PASS
Band12	10MHz	16QAM	23130	50RB#0	6.08	13	PASS



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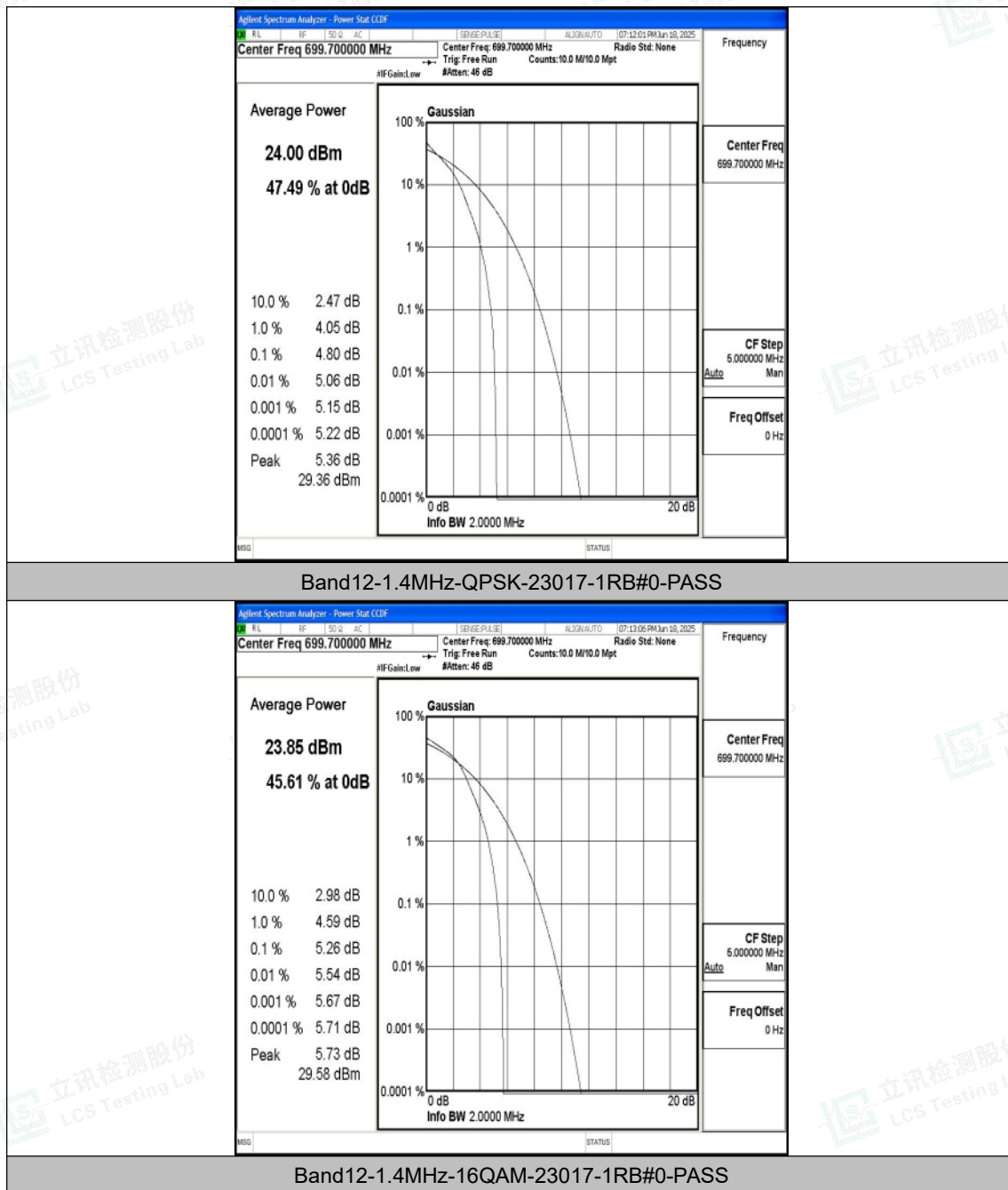
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Test Graphs

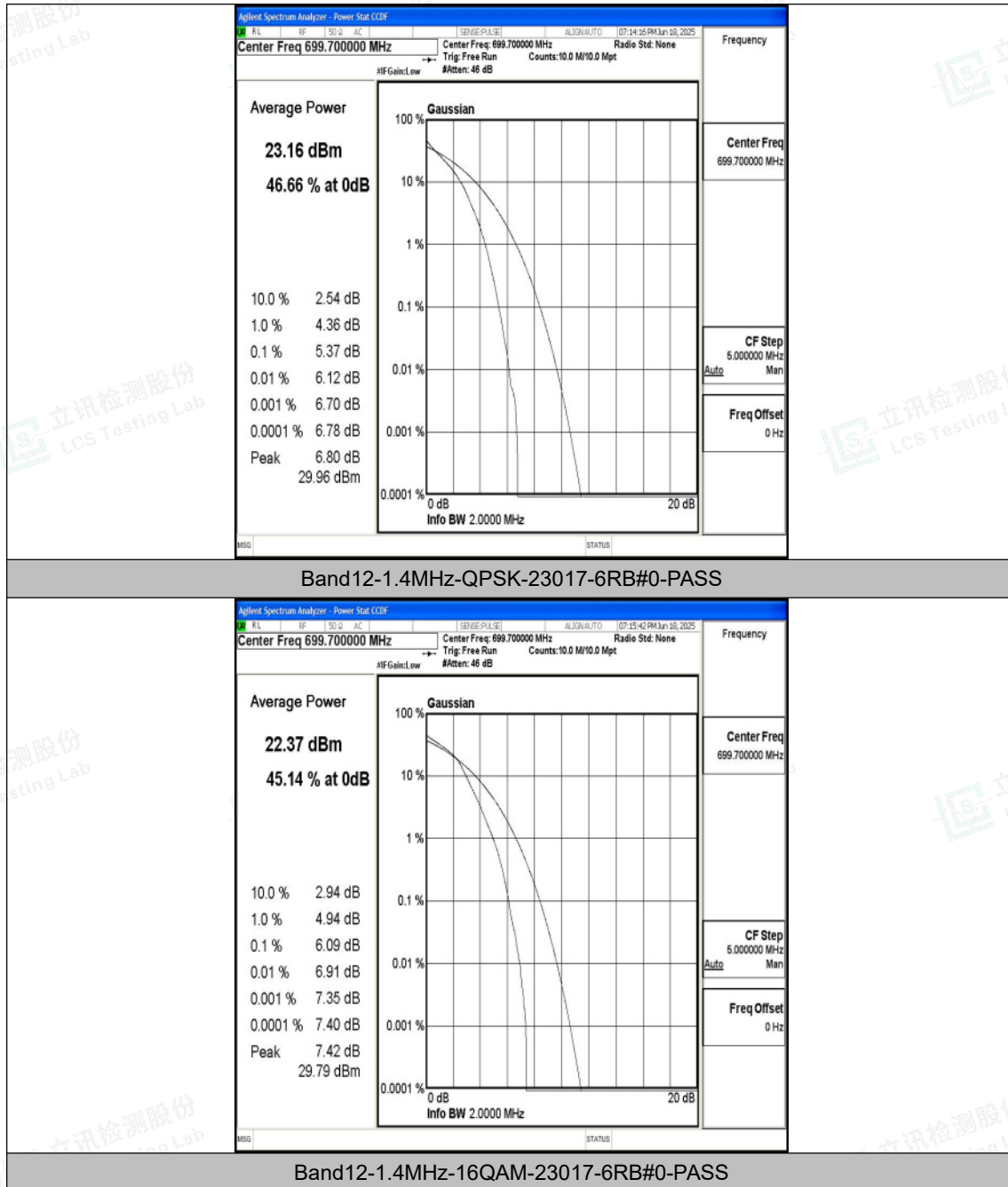


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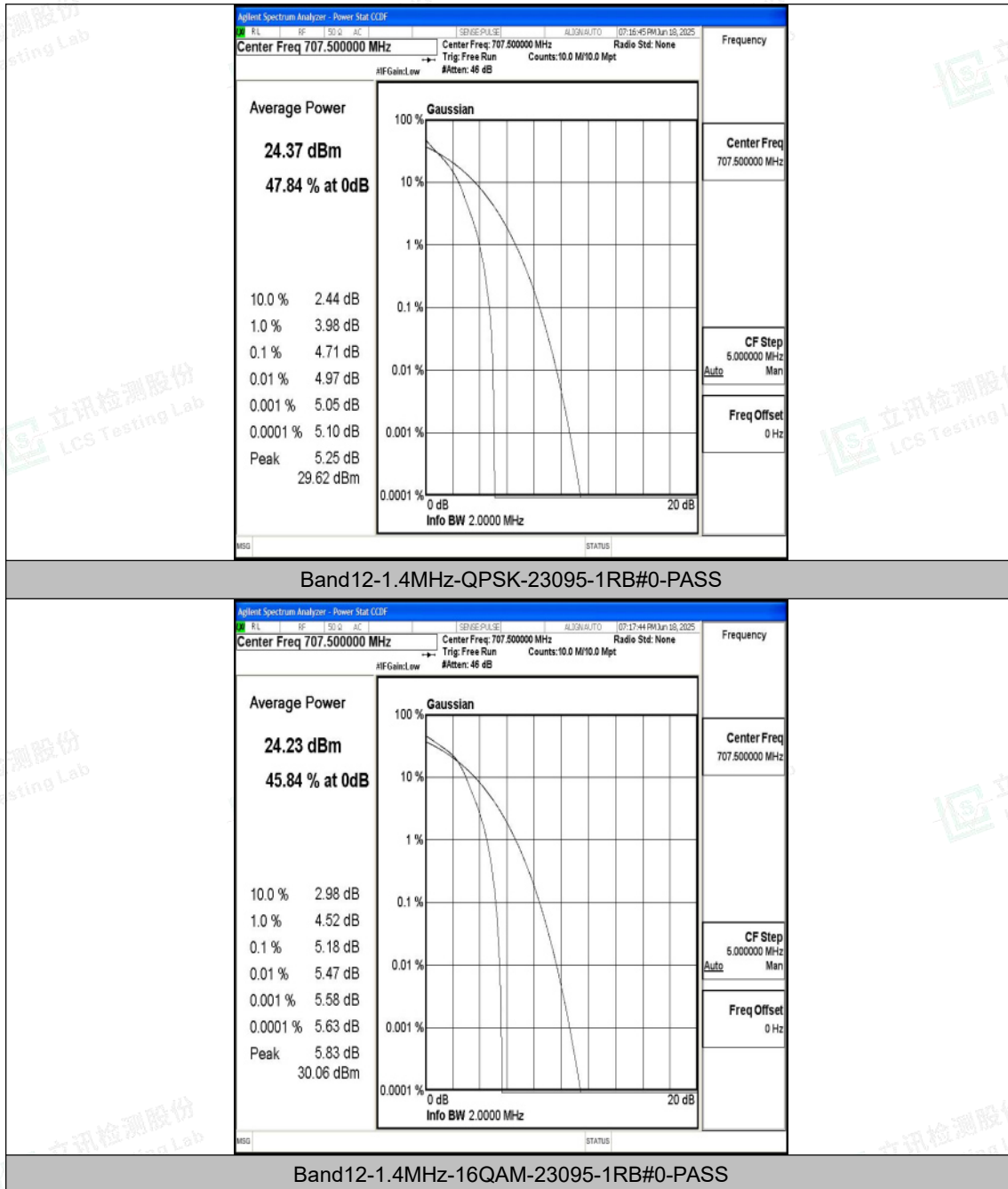


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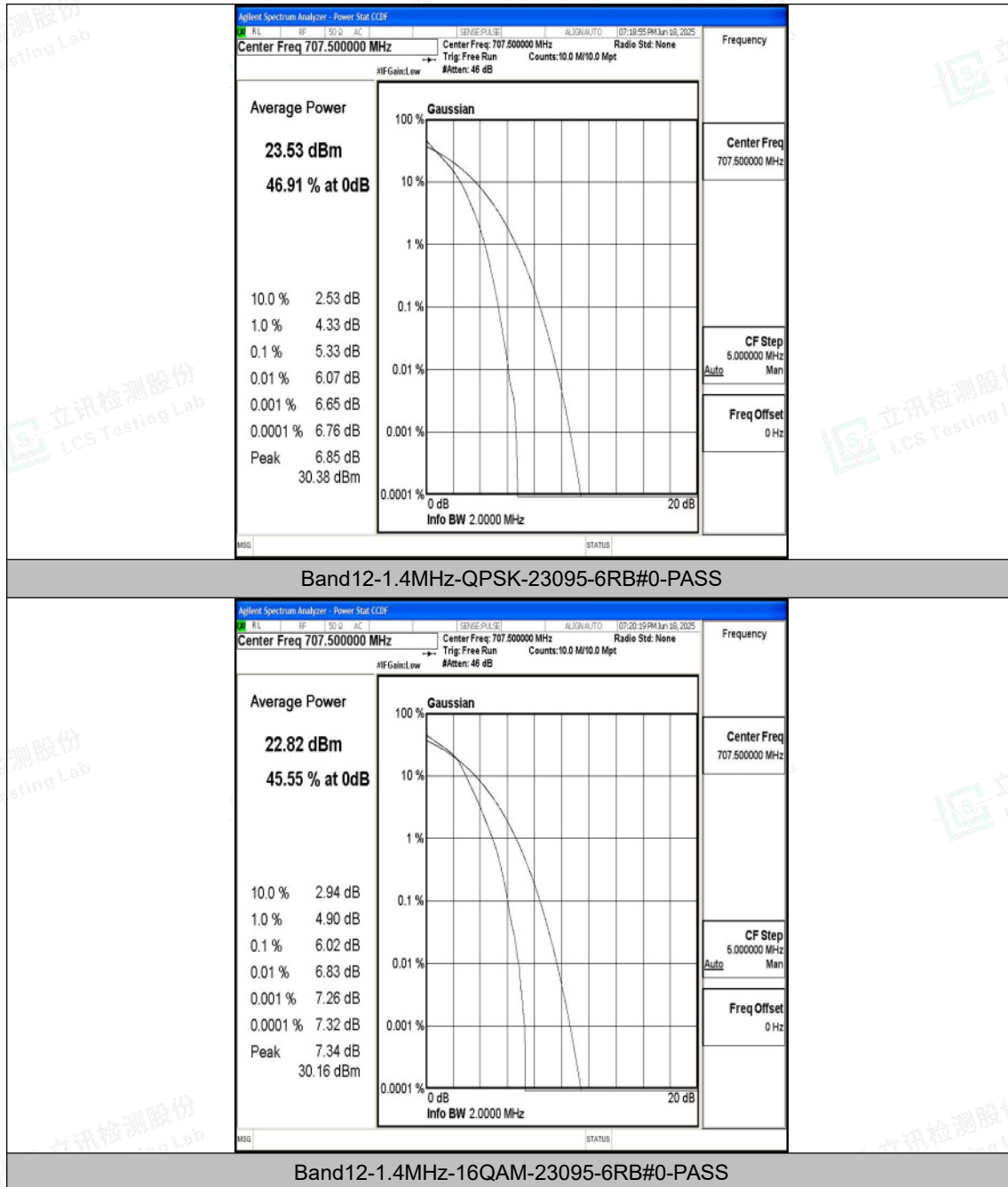


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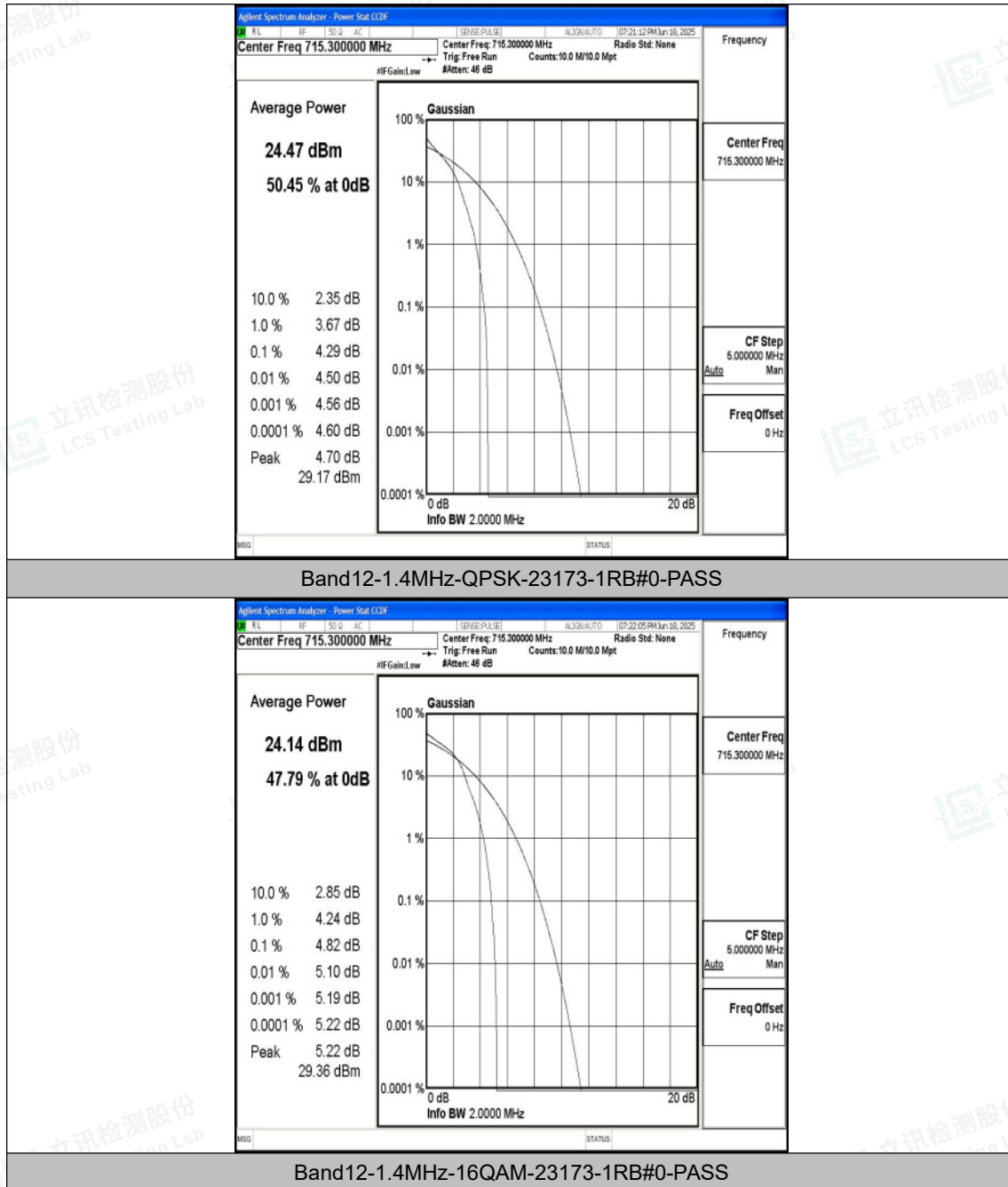


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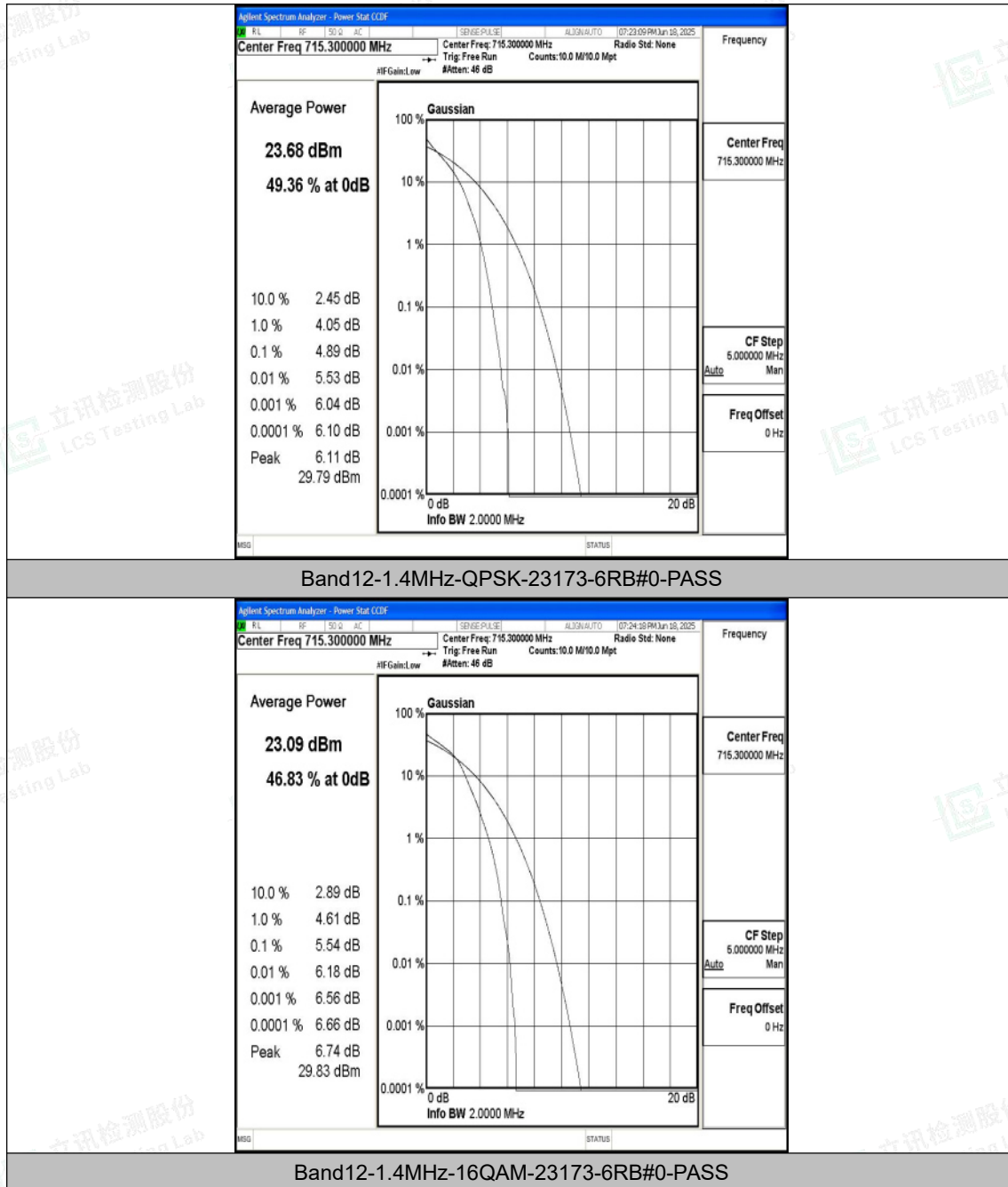


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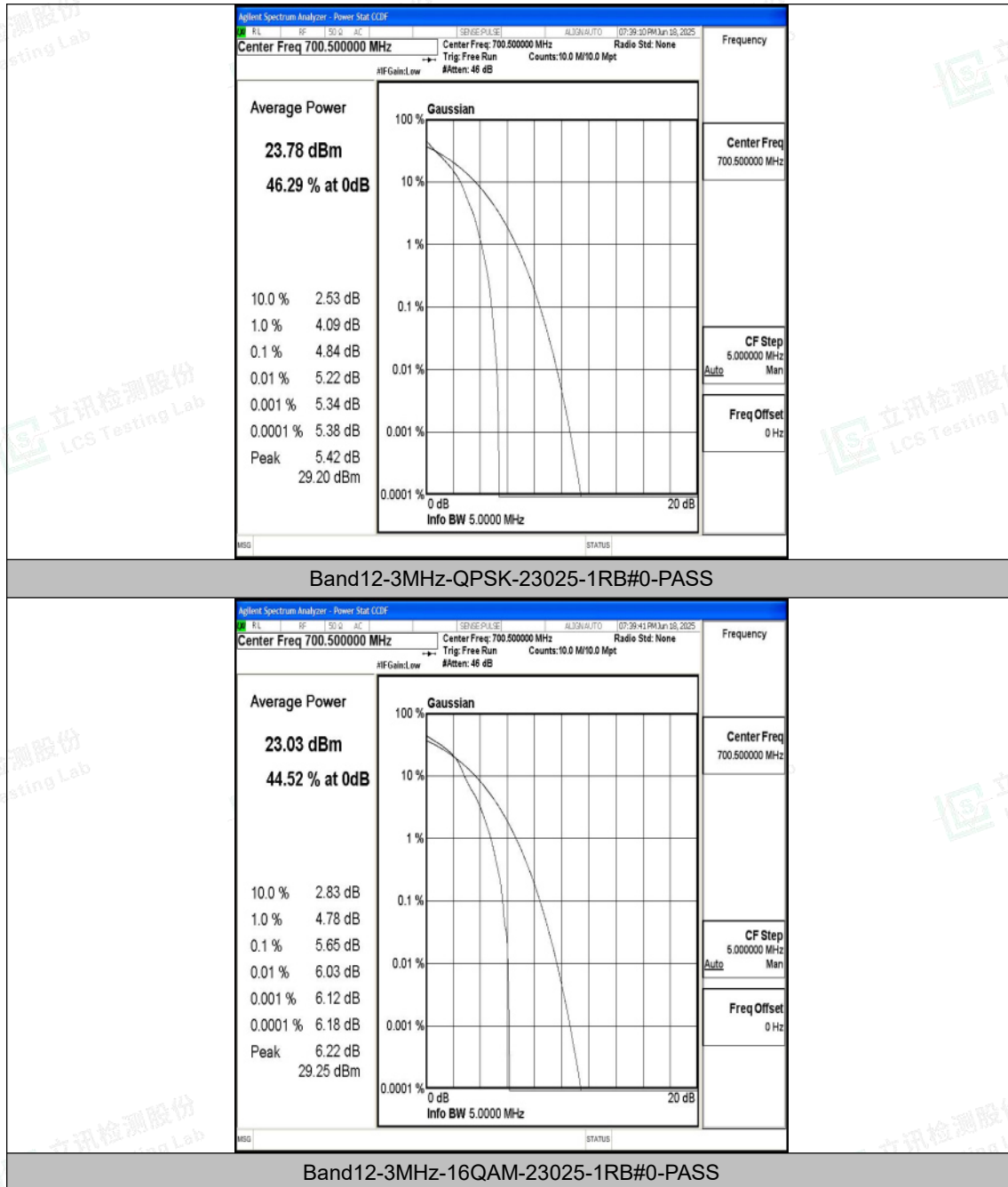


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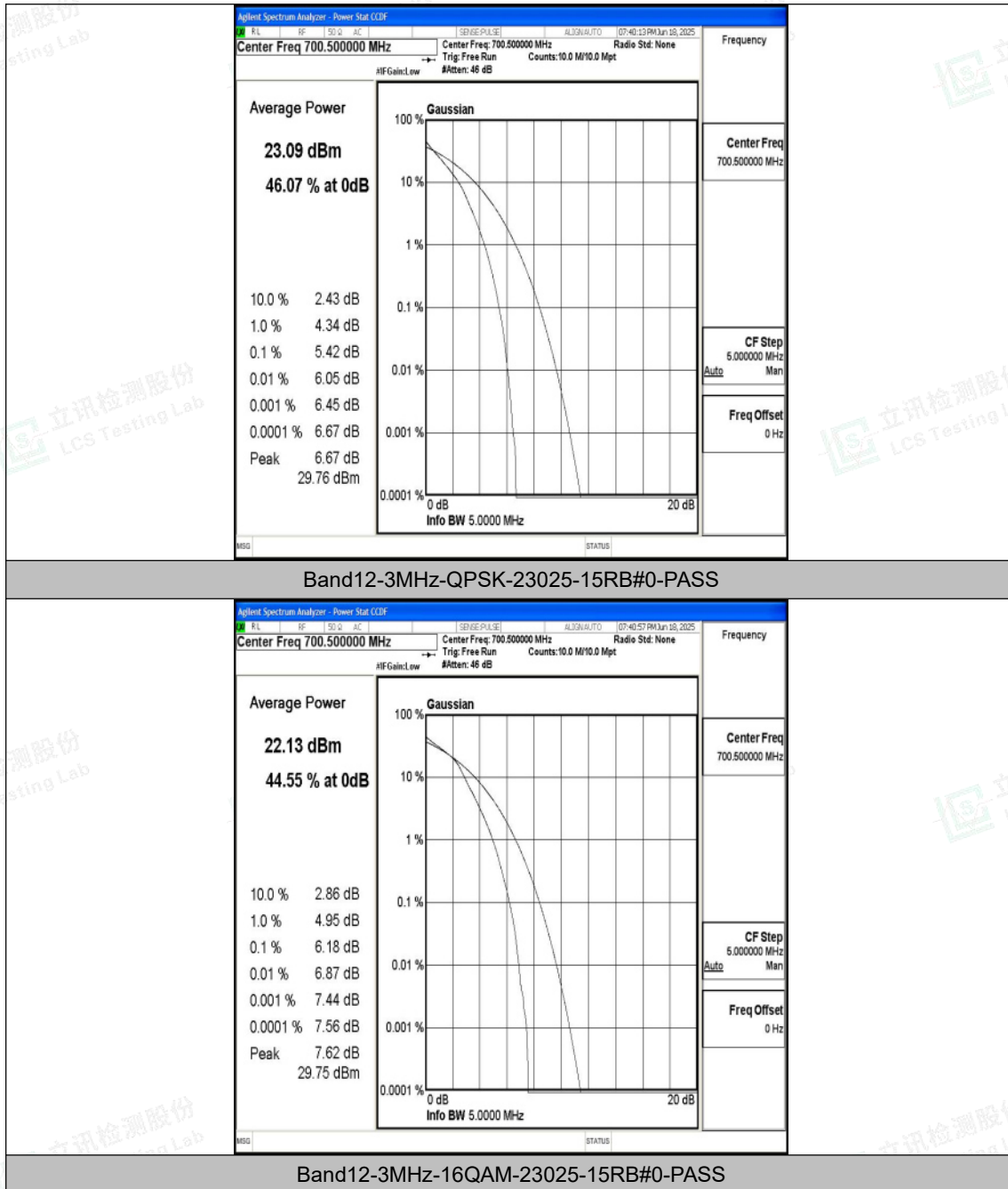


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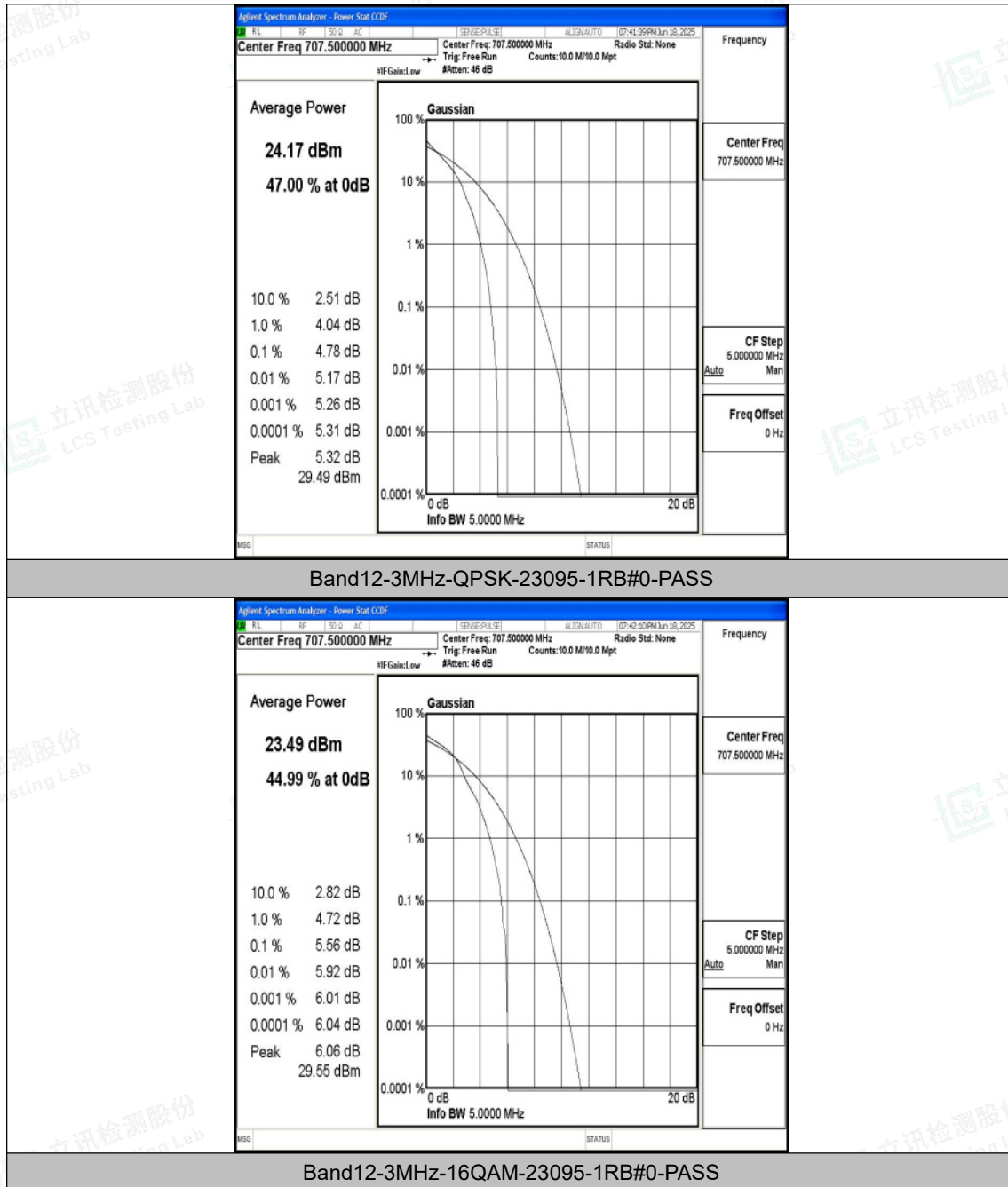


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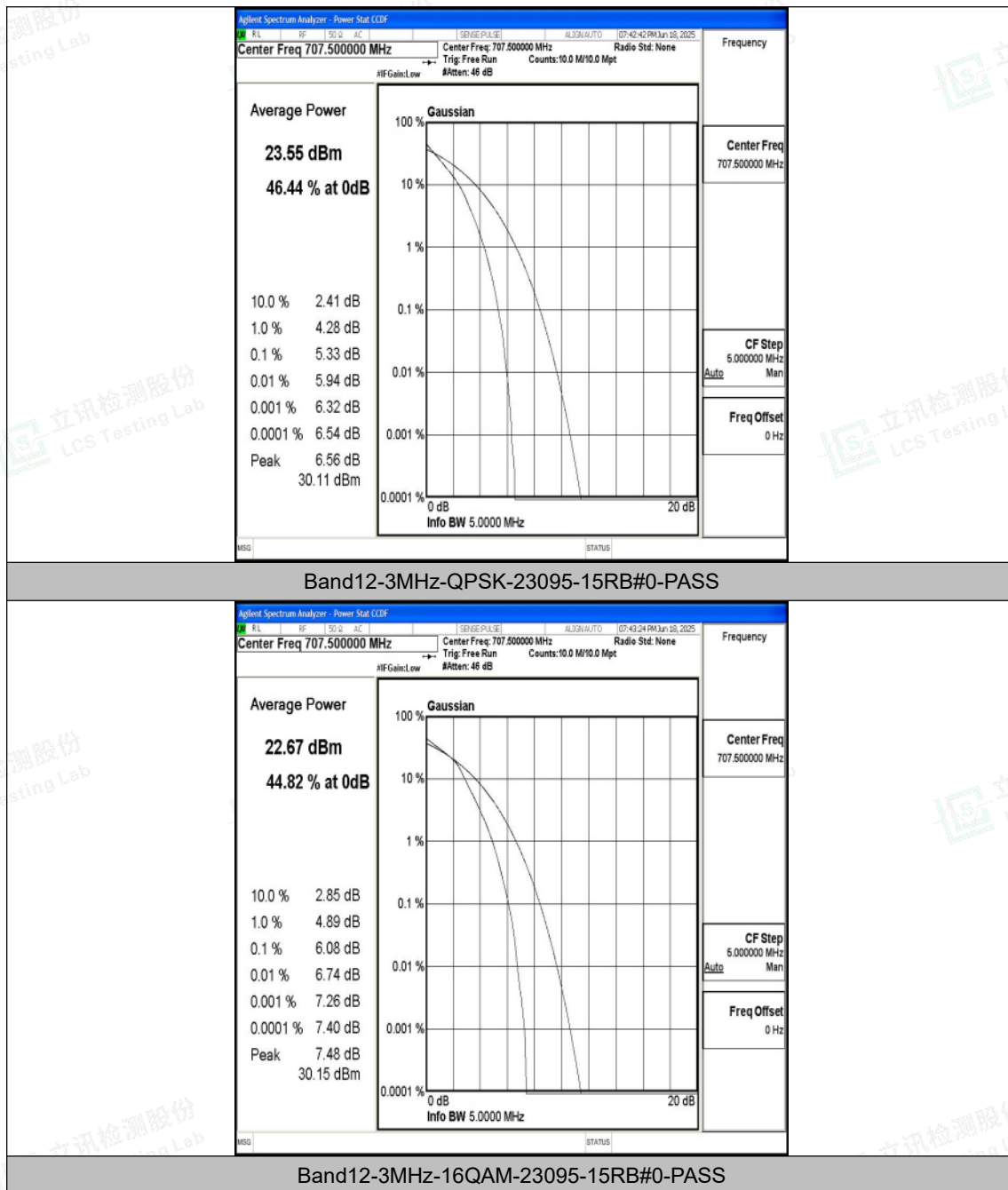


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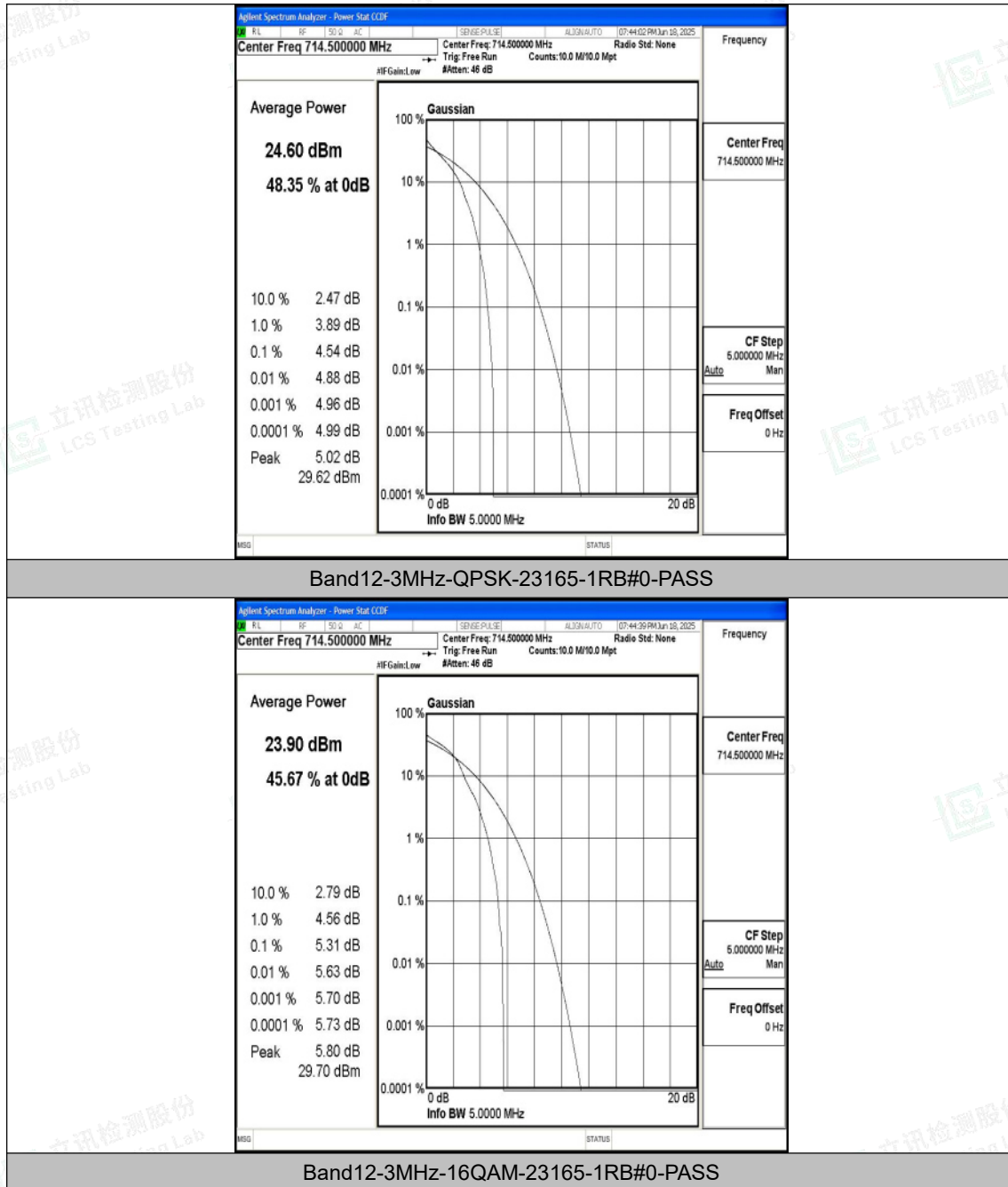


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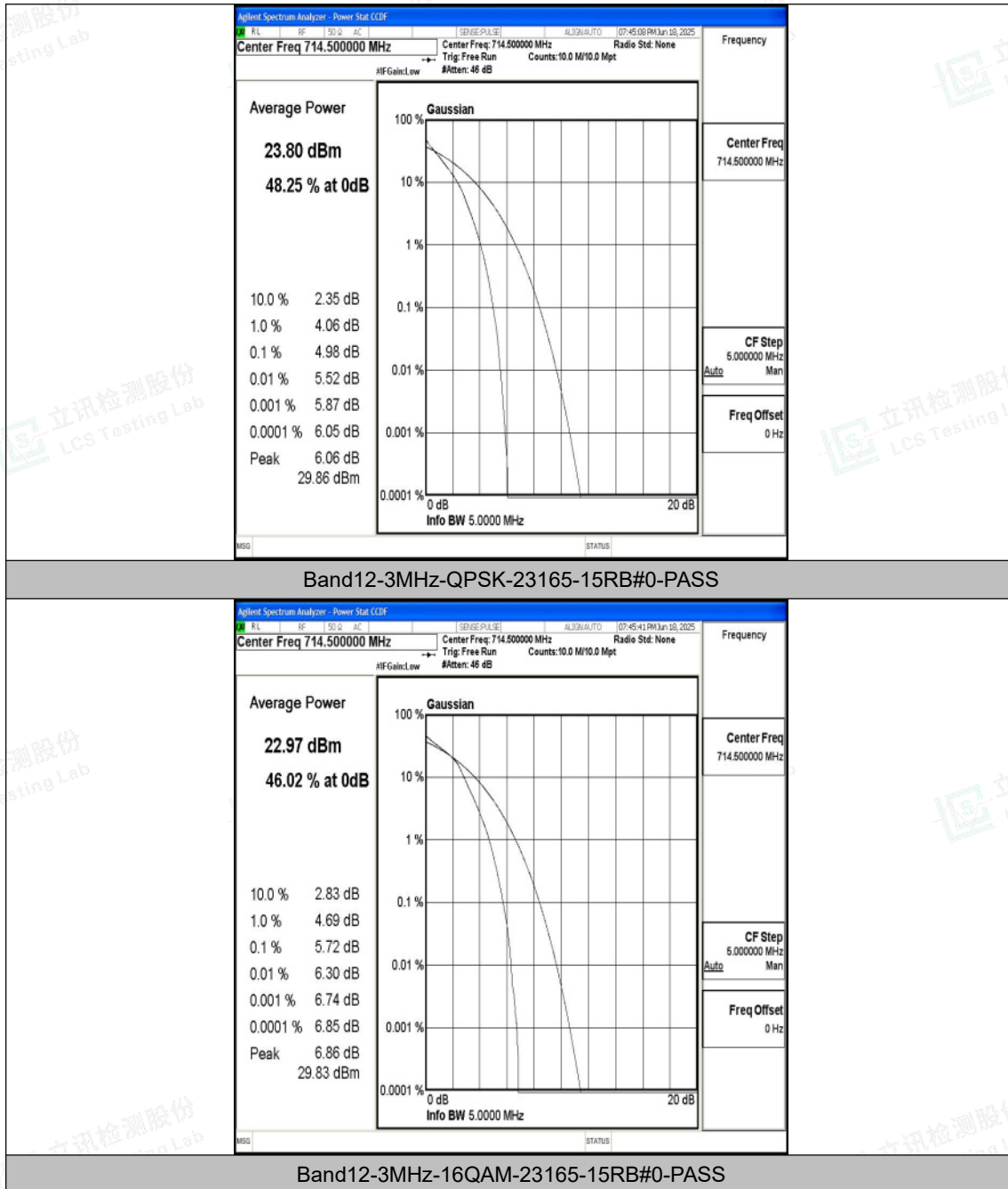


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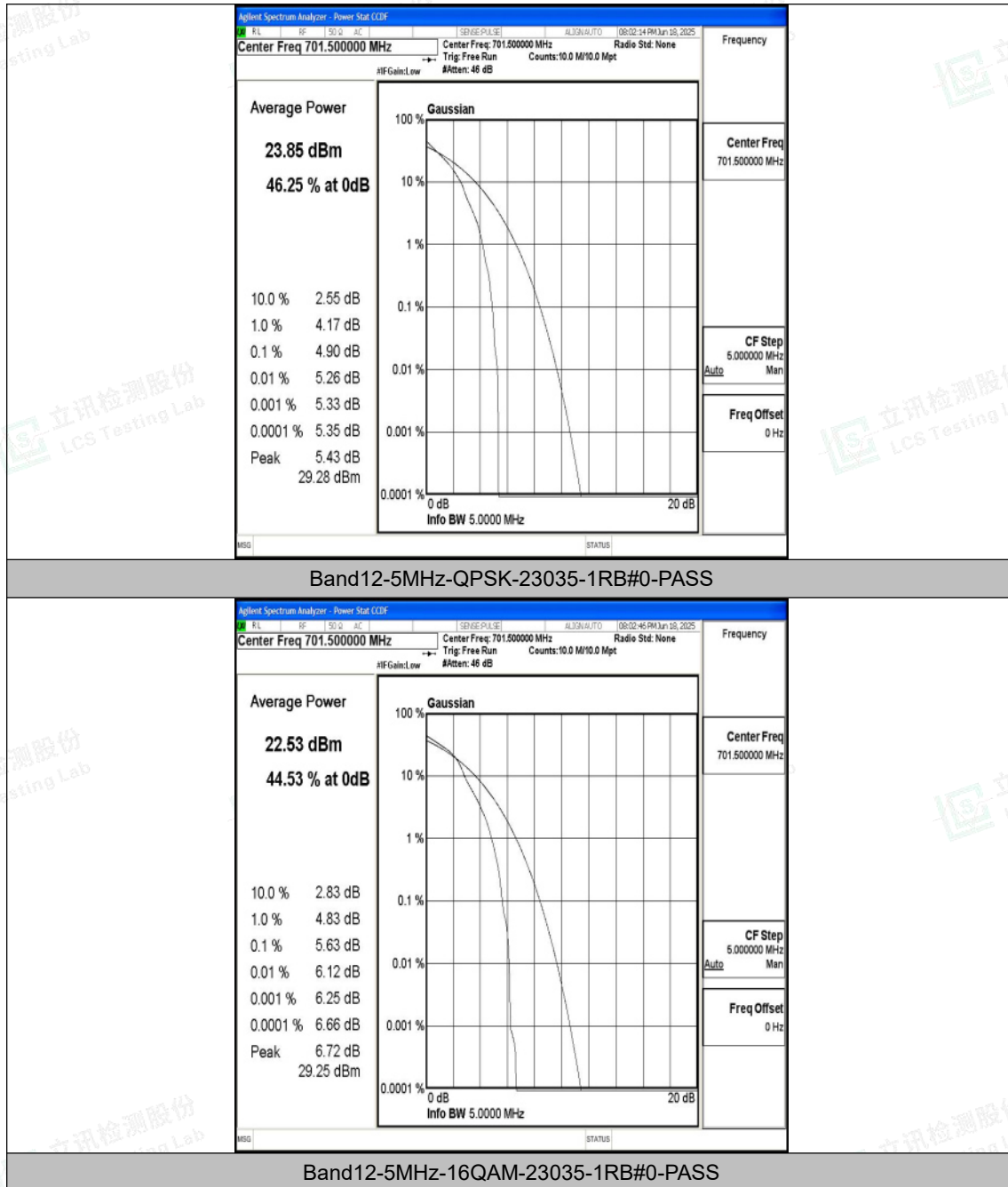


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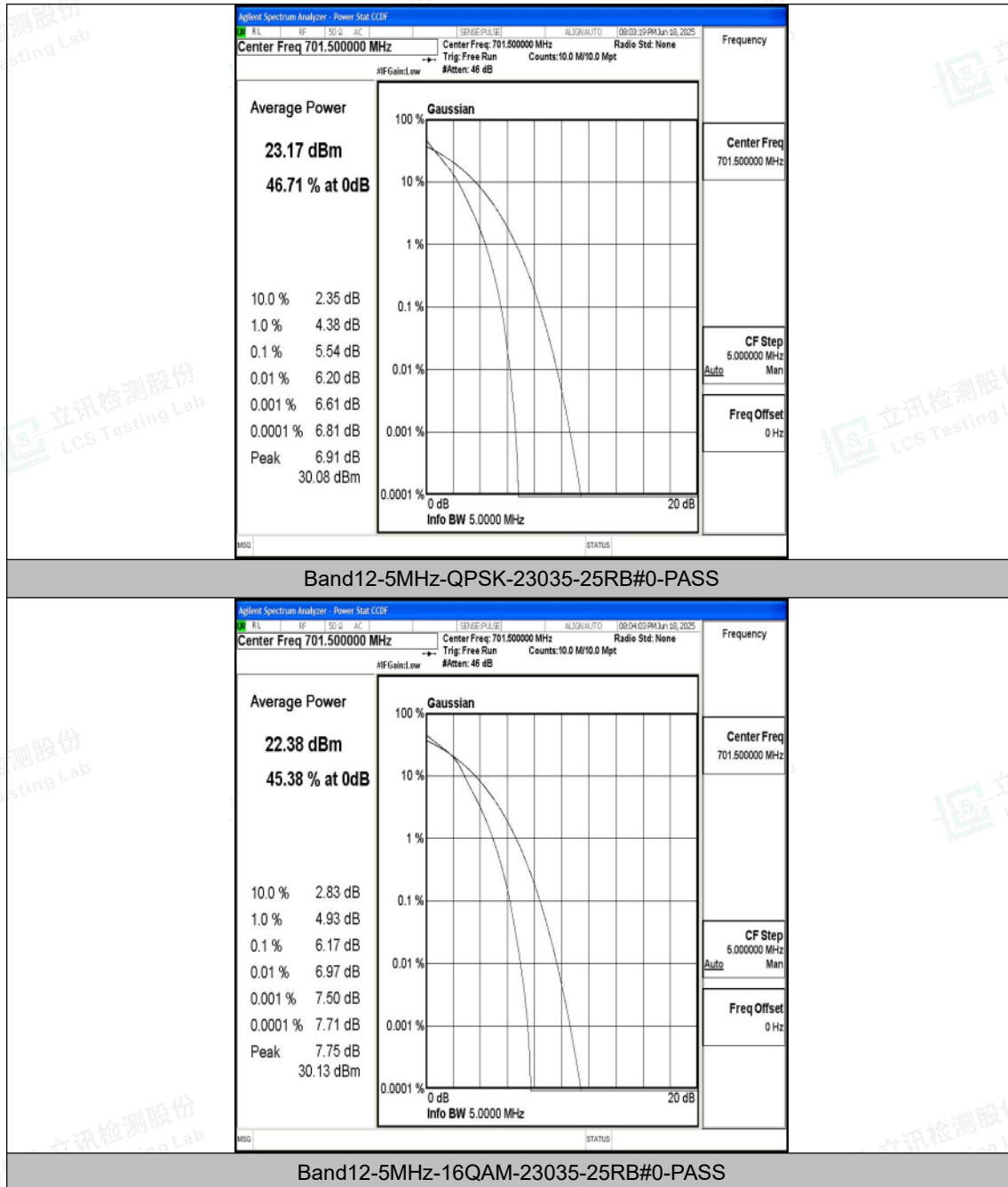


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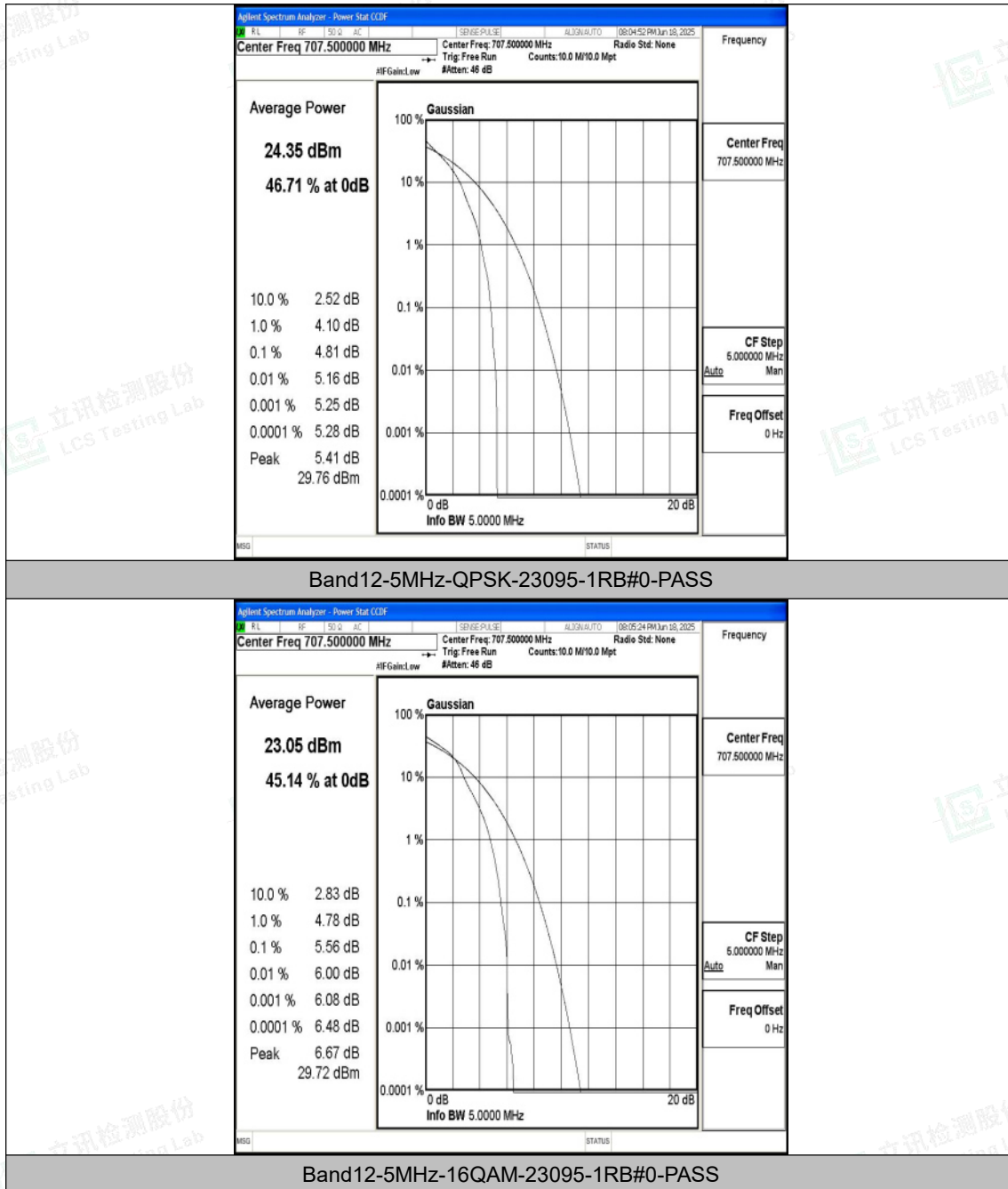


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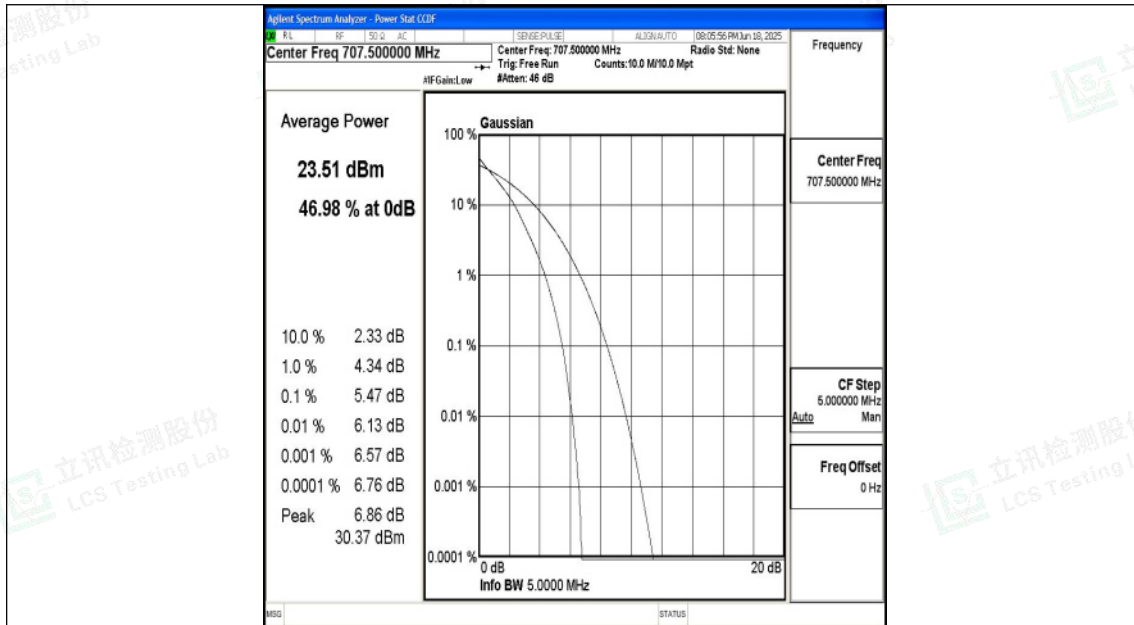


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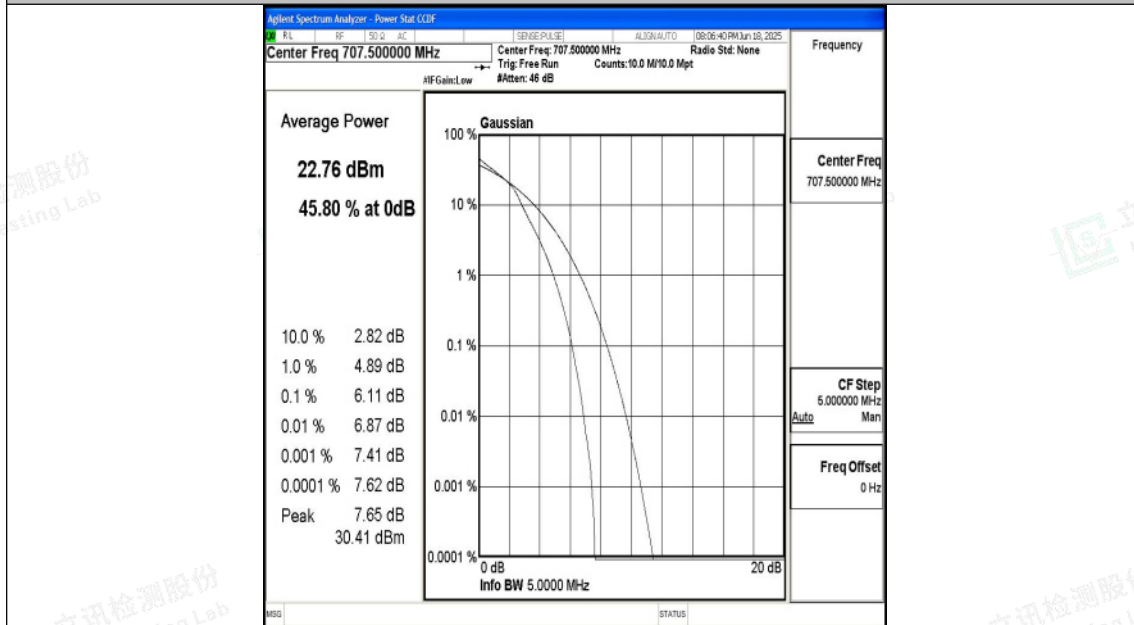
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Band12-5MHz-16QAM-23095-25RB#0-PASS

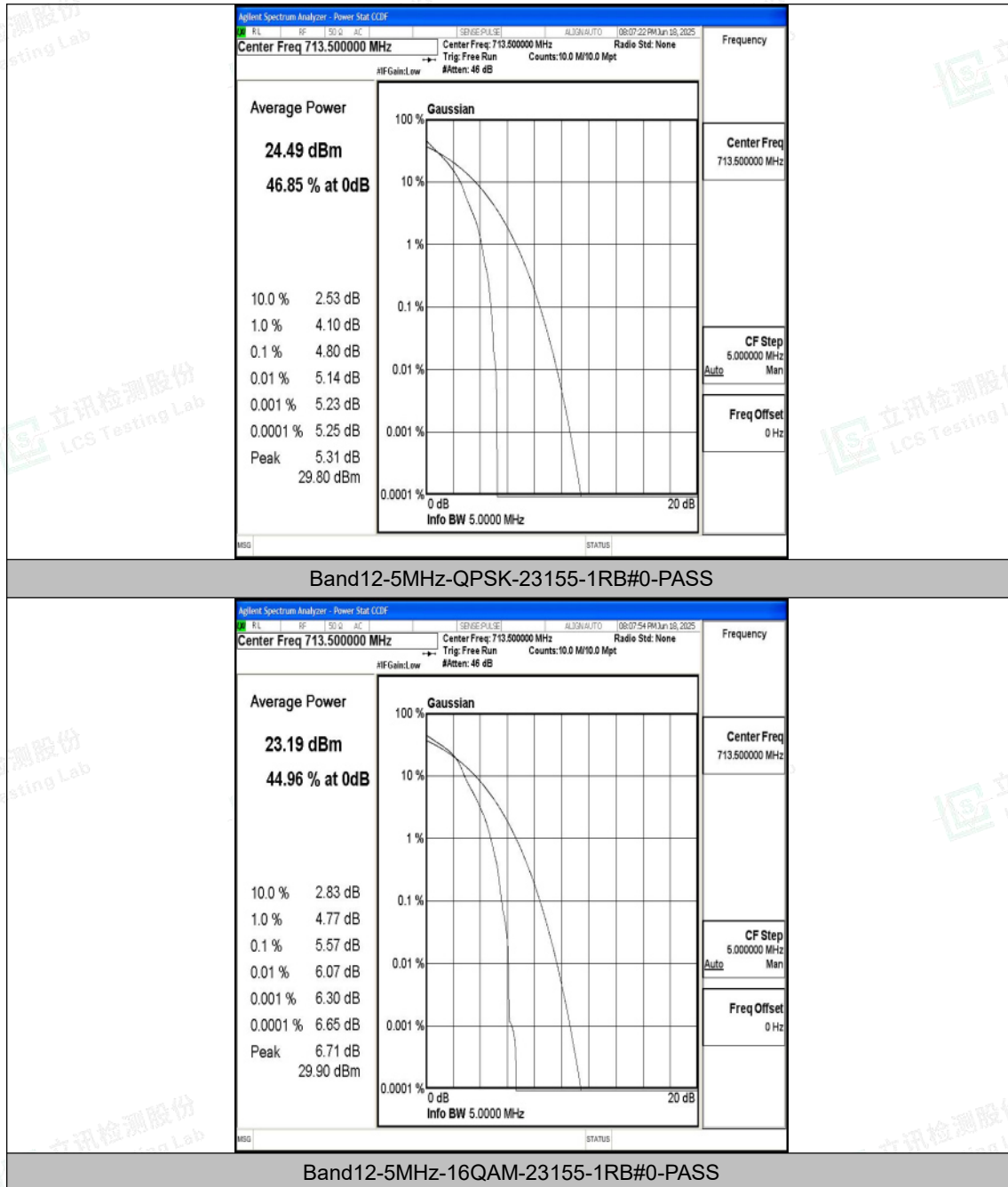


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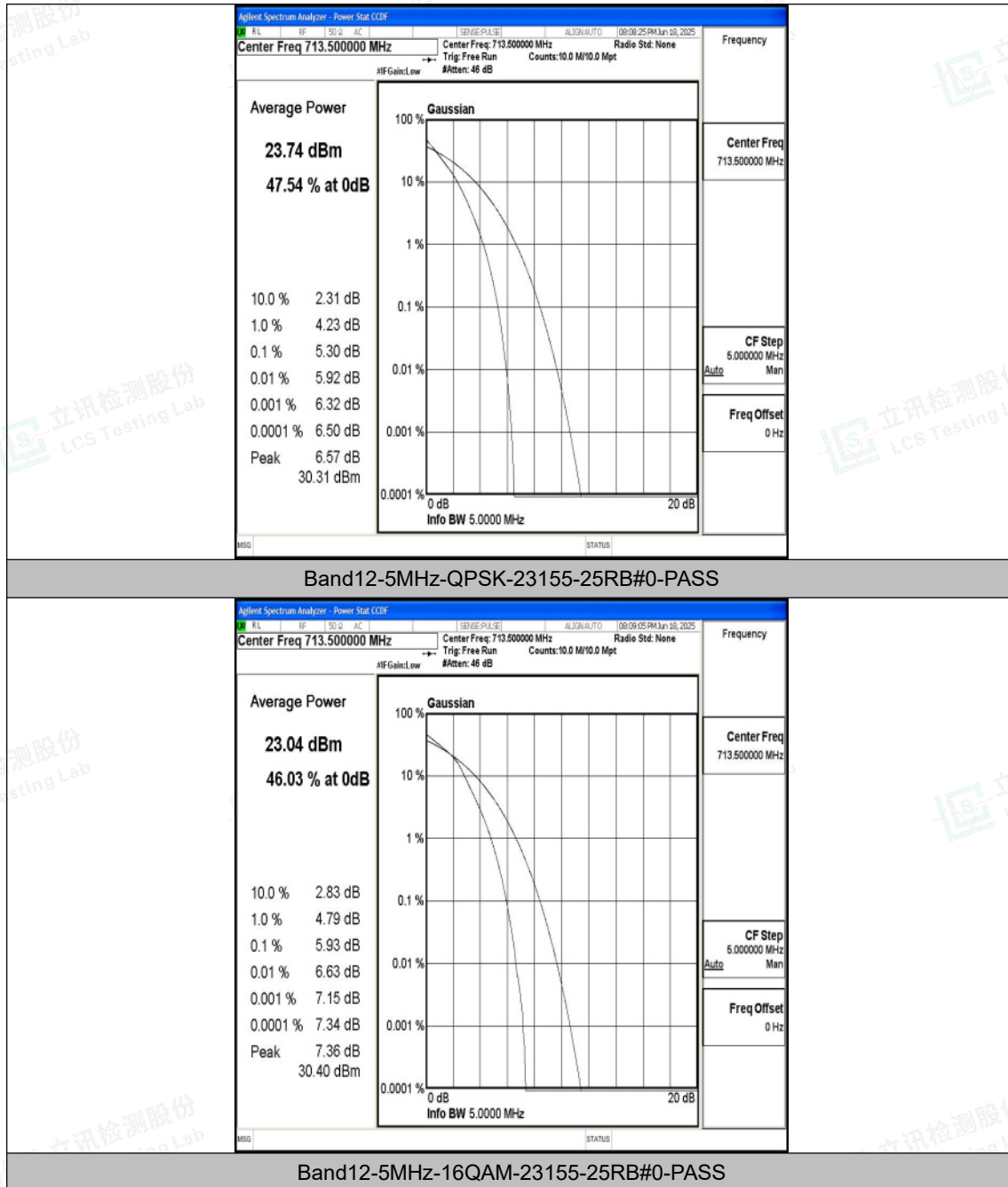


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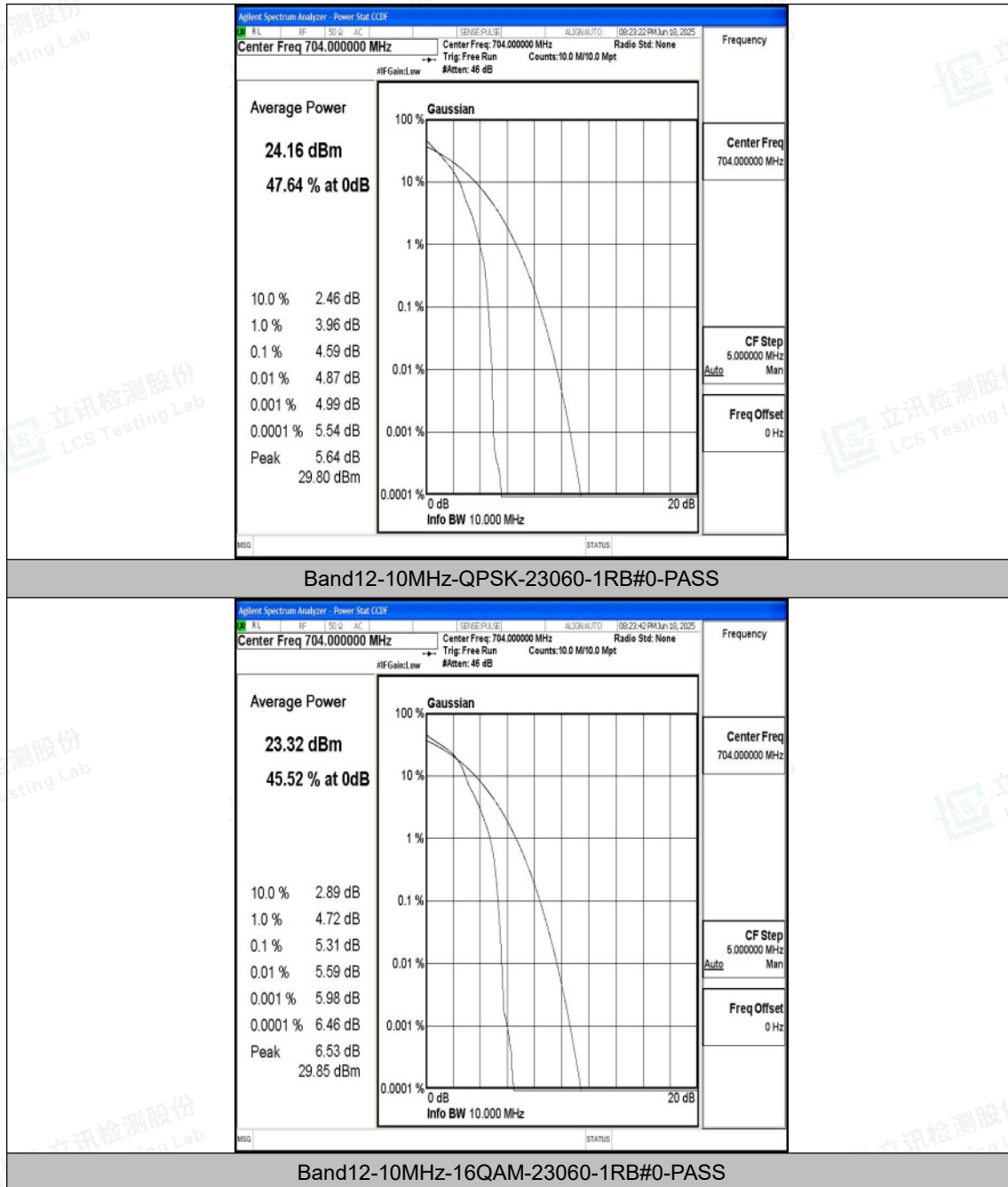


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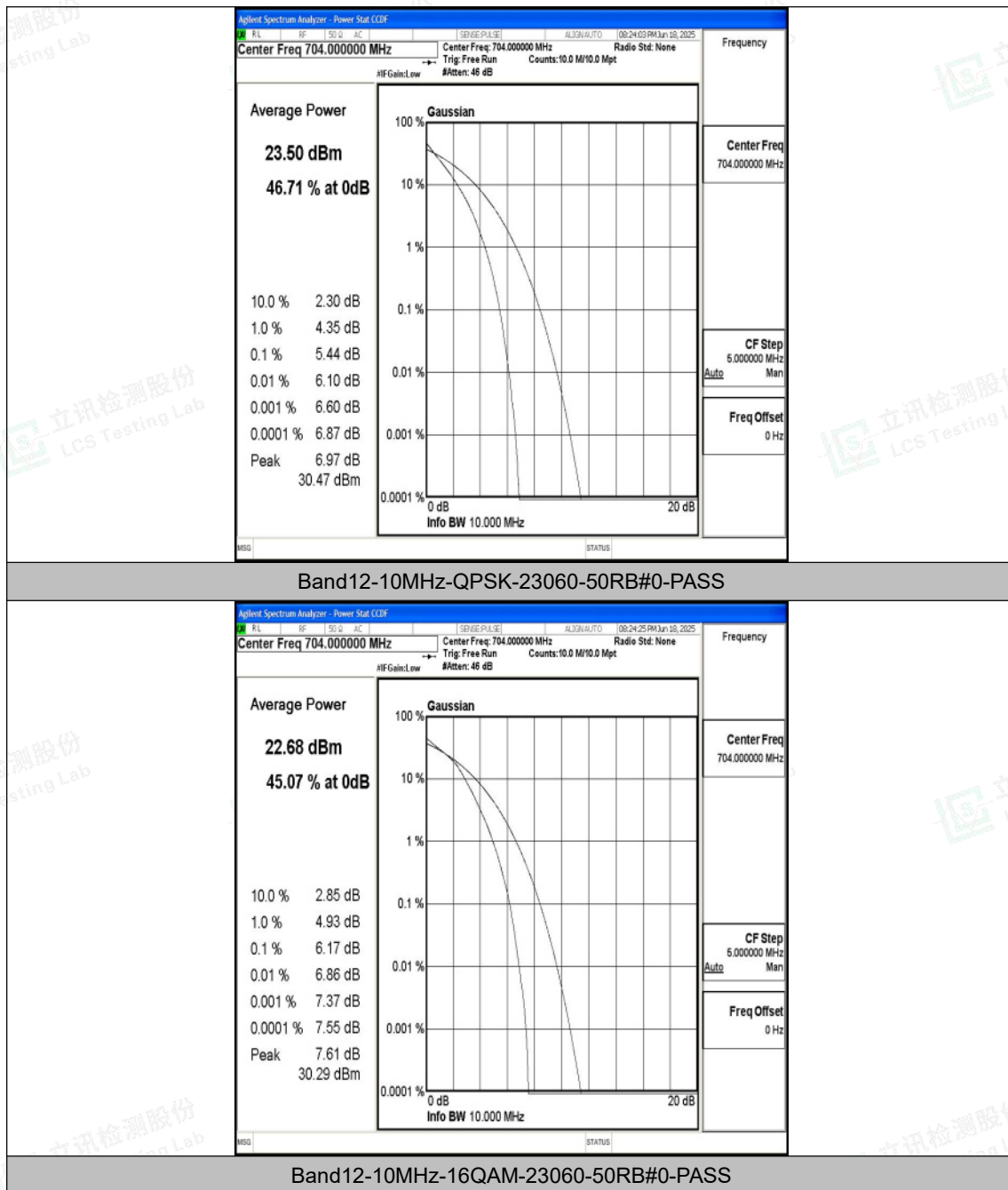


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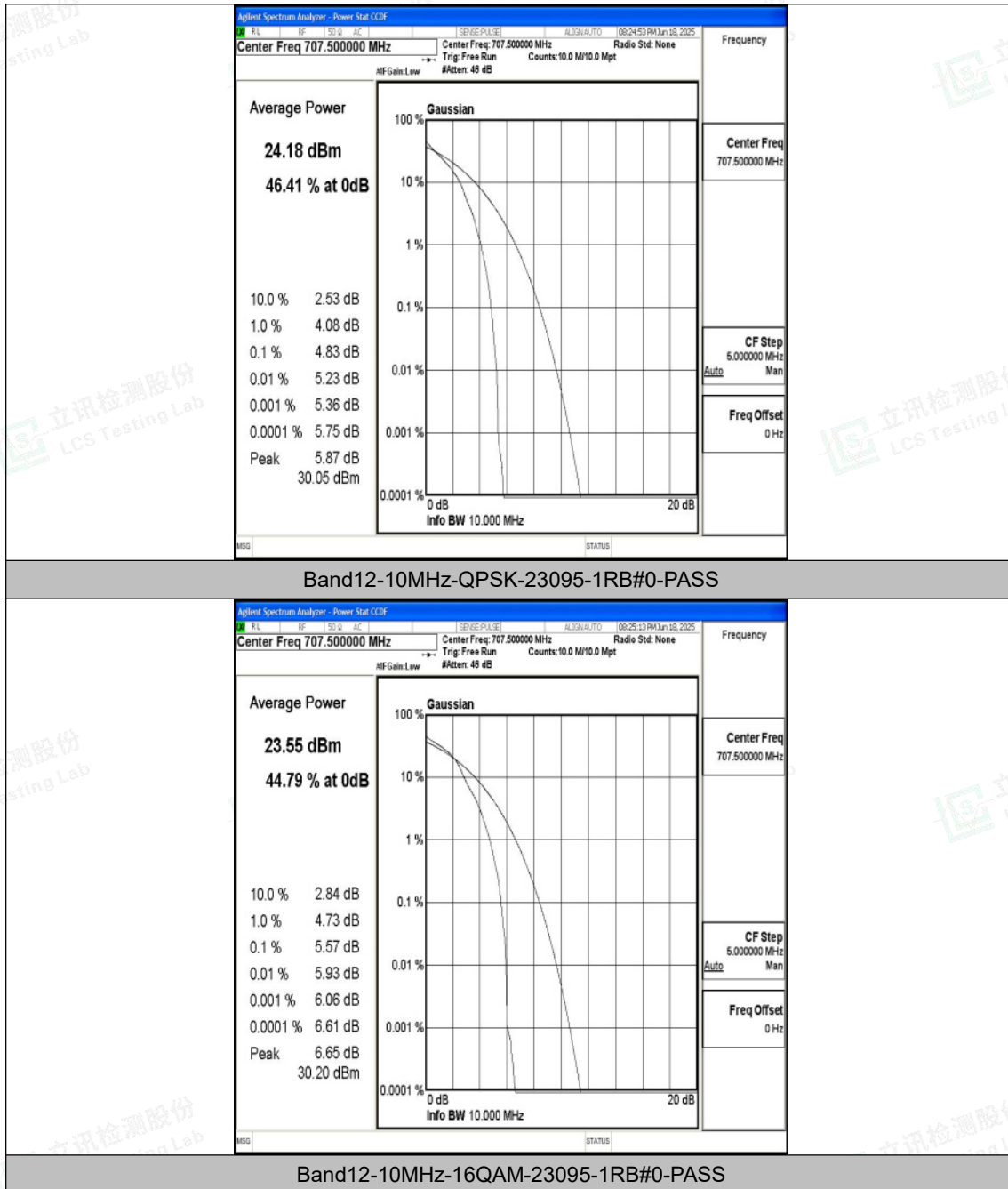


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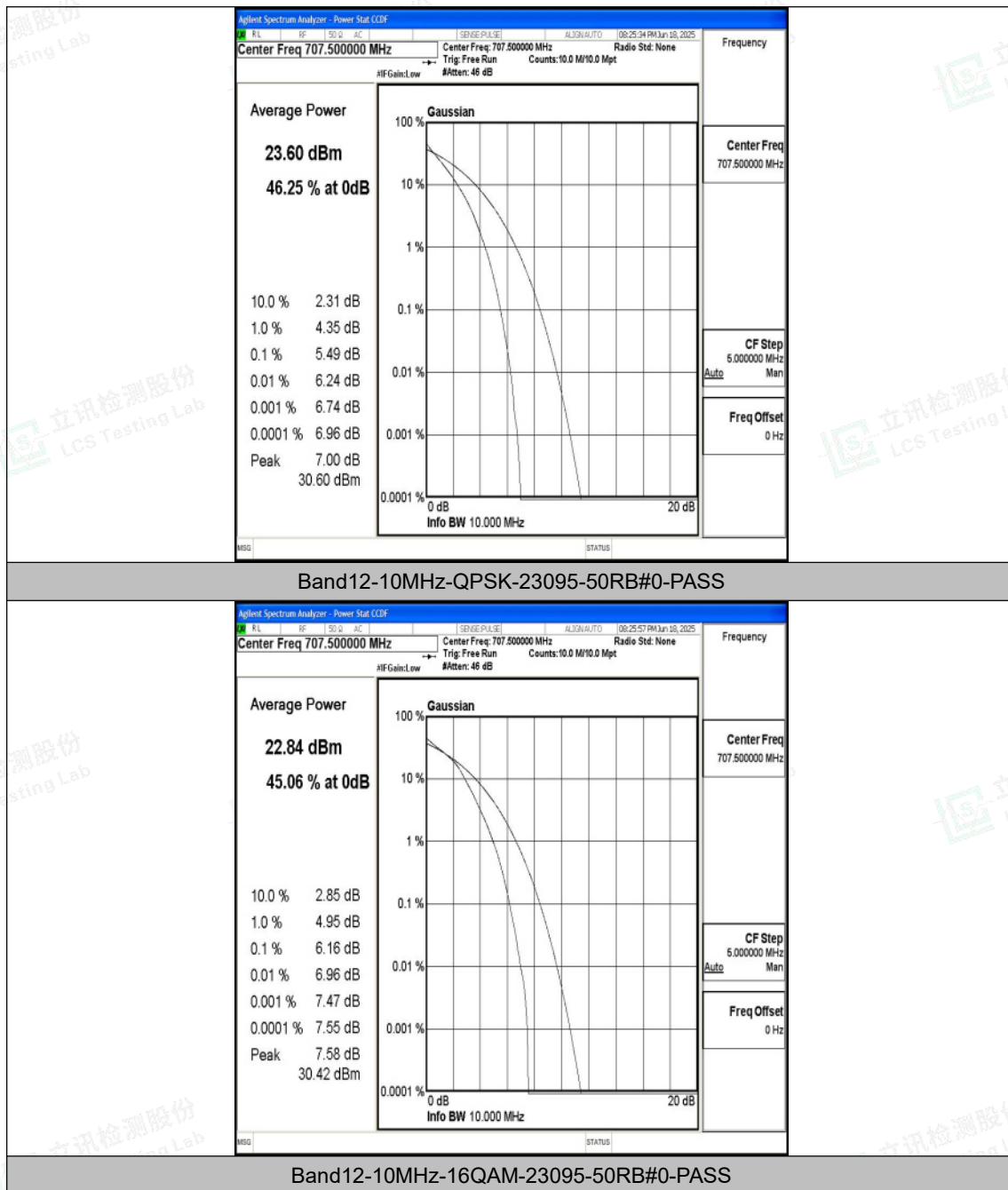


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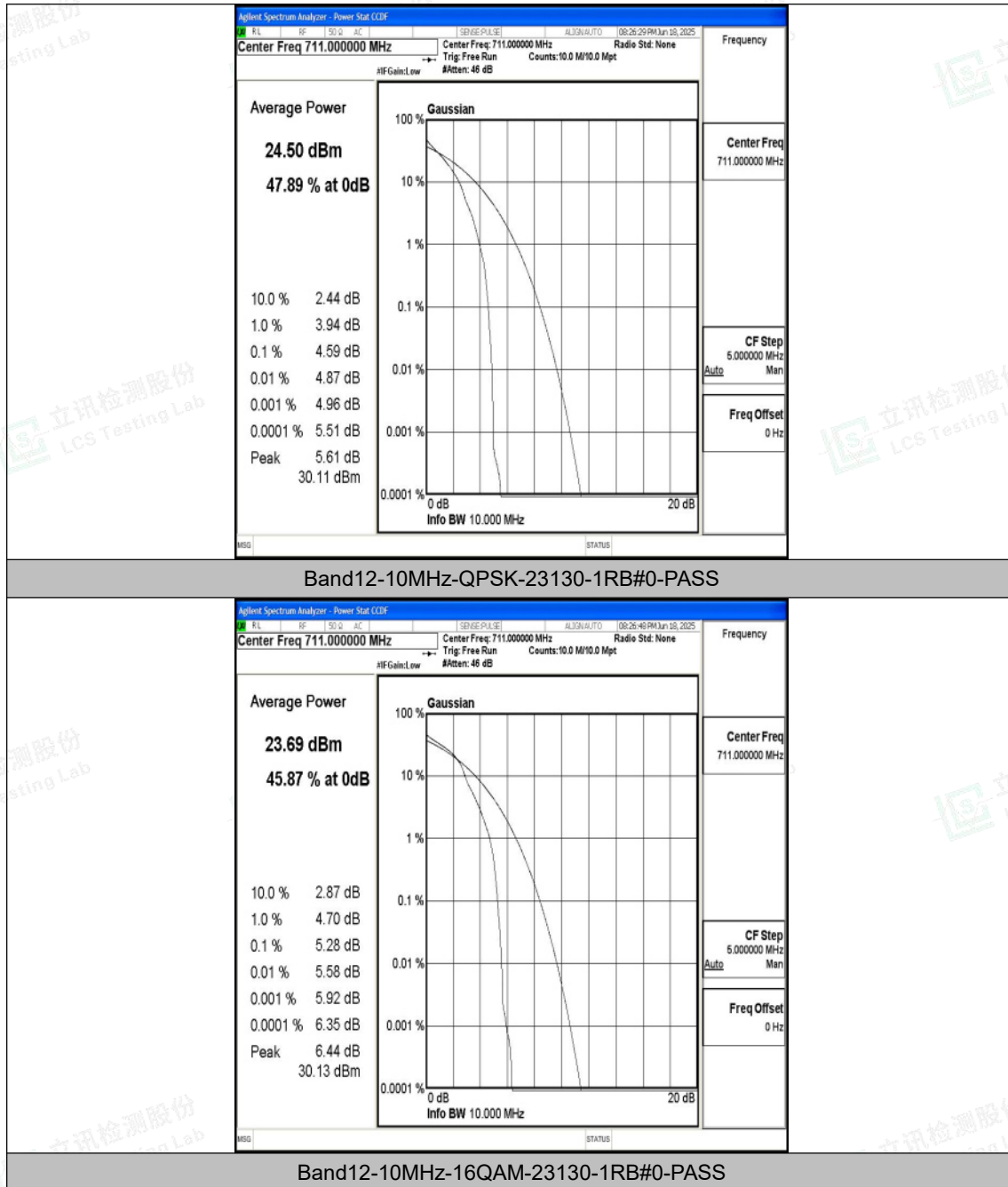


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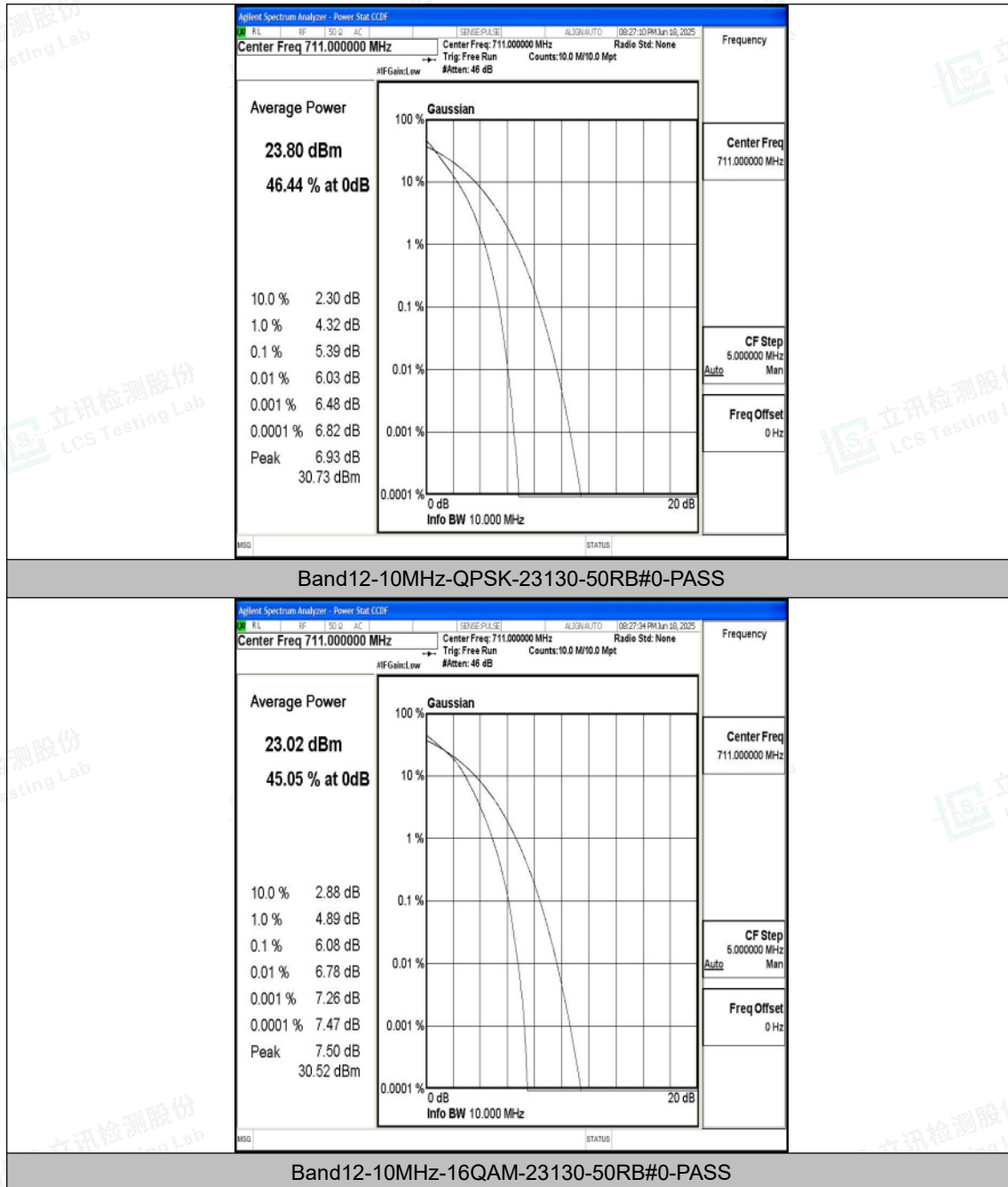


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F.3 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	1.0979	1.296	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	1.1048	1.279	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	1.0963	1.299	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	1.1067	1.324	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	1.0948	1.288	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	1.1058	1.289	PASS
Band12	3MHz	QPSK	23025	15RB#0	2.7661	3.573	PASS
Band12	3MHz	16QAM	23025	15RB#0	2.7639	3.232	PASS
Band12	3MHz	QPSK	23095	15RB#0	2.7715	3.382	PASS
Band12	3MHz	16QAM	23095	15RB#0	2.7507	3.303	PASS
Band12	3MHz	QPSK	23165	15RB#0	2.7724	3.334	PASS
Band12	3MHz	16QAM	23165	15RB#0	2.7433	3.303	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.5208	5.345	PASS
Band12	5MHz	16QAM	23035	25RB#0	4.5239	5.279	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.5205	5.335	PASS
Band12	5MHz	16QAM	23095	25RB#0	4.5168	5.228	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.5344	5.277	PASS
Band12	5MHz	16QAM	23155	25RB#0	4.5174	5.234	PASS
Band12	10MHz	QPSK	23060	50RB#0	8.9952	10.01	PASS
Band12	10MHz	16QAM	23060	50RB#0	8.9754	10.10	PASS
Band12	10MHz	QPSK	23095	50RB#0	8.9953	10.00	PASS
Band12	10MHz	16QAM	23095	50RB#0	8.9911	10.07	PASS
Band12	10MHz	QPSK	23130	50RB#0	9.0016	9.955	PASS
Band12	10MHz	16QAM	23130	50RB#0	8.9979	9.960	PASS



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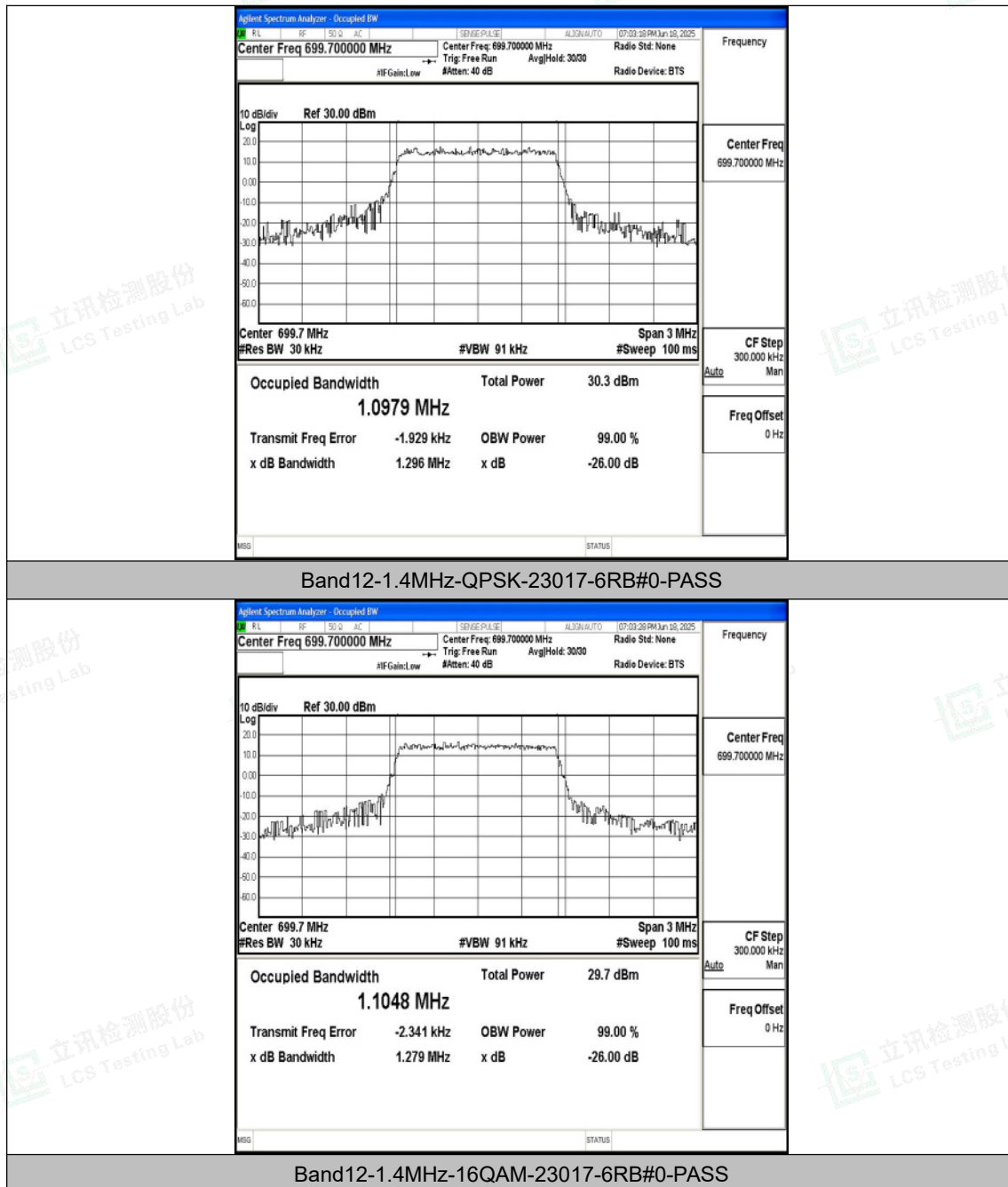
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Test Graphs

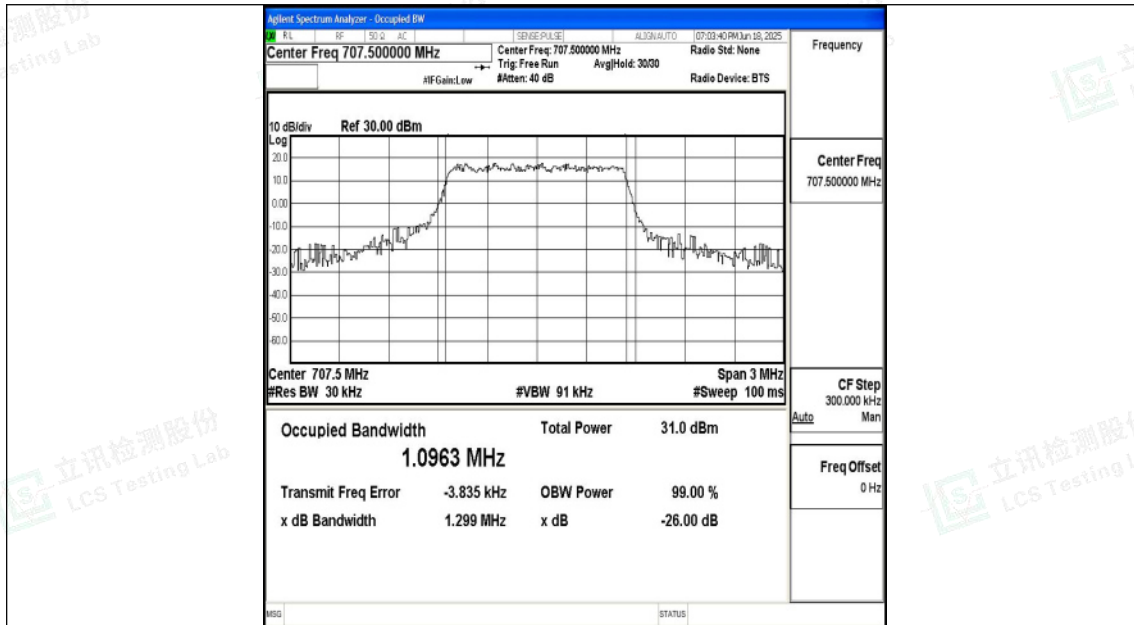


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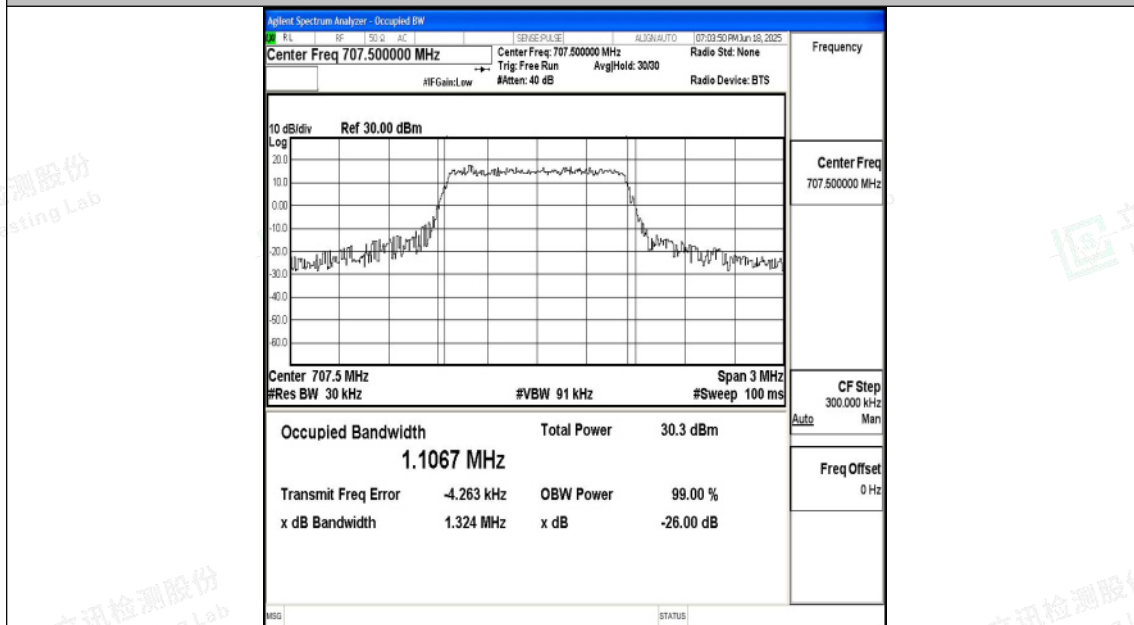
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Band12-1.4MHz-QPSK-23095-6RB#0-PASS



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

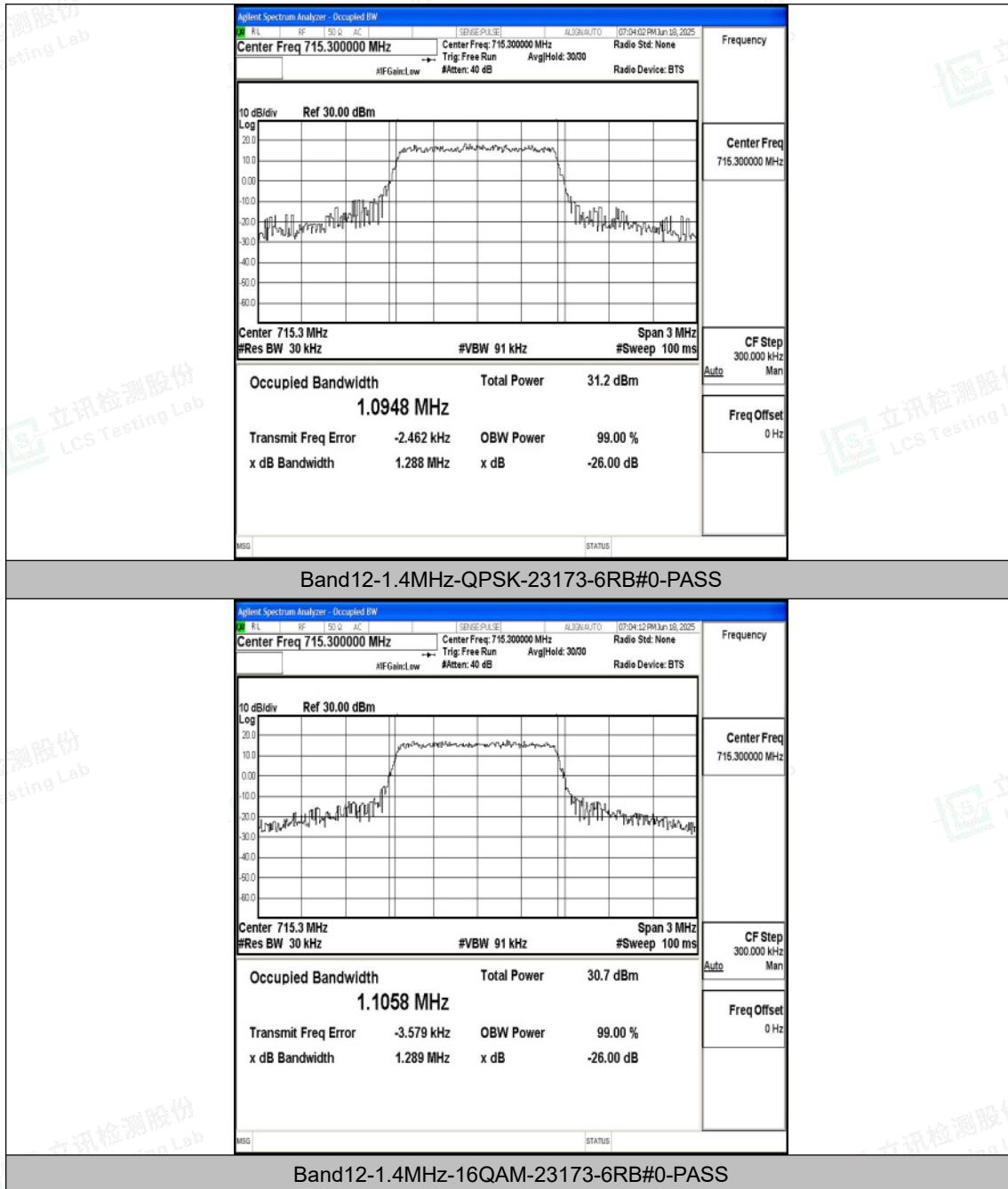


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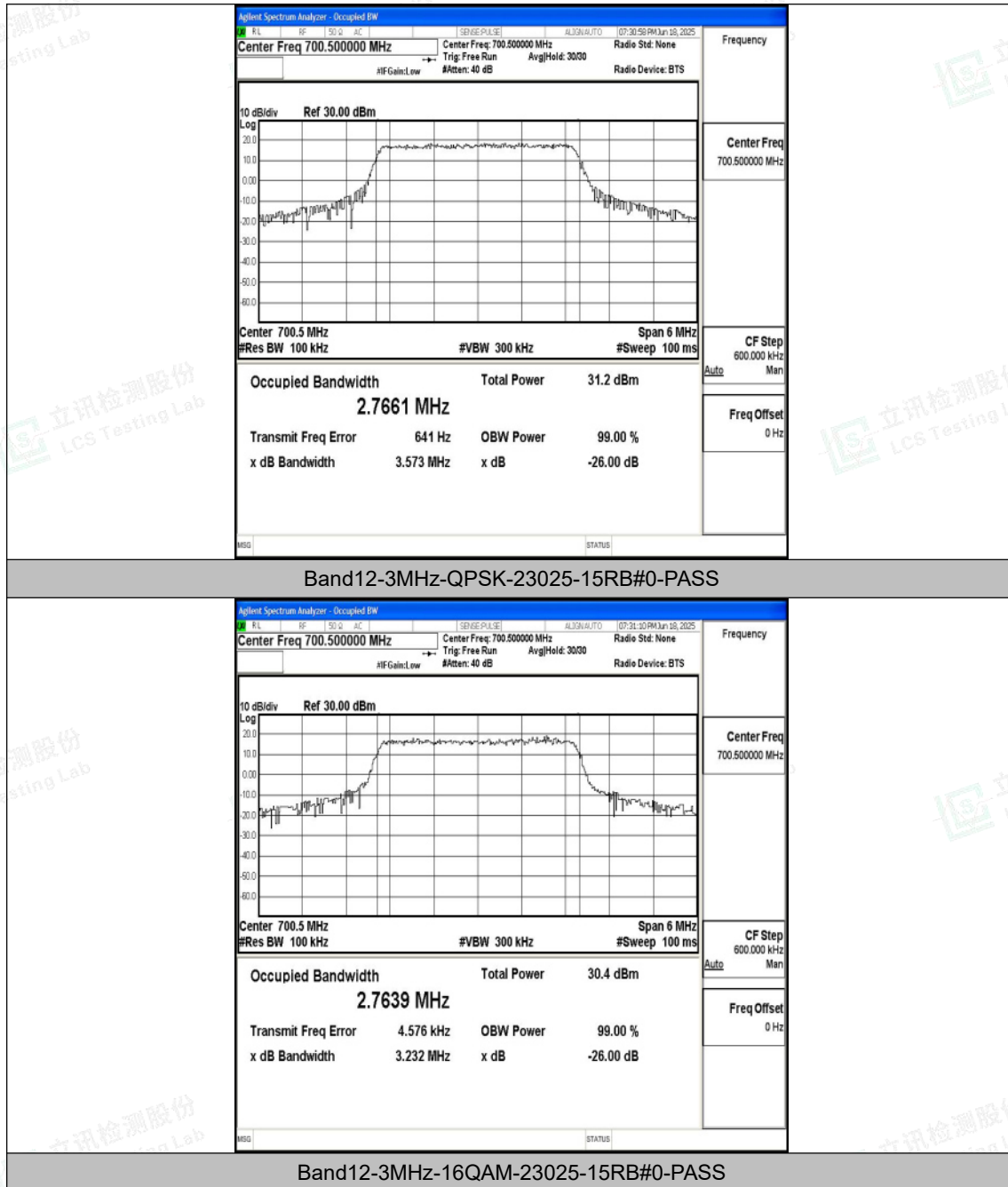


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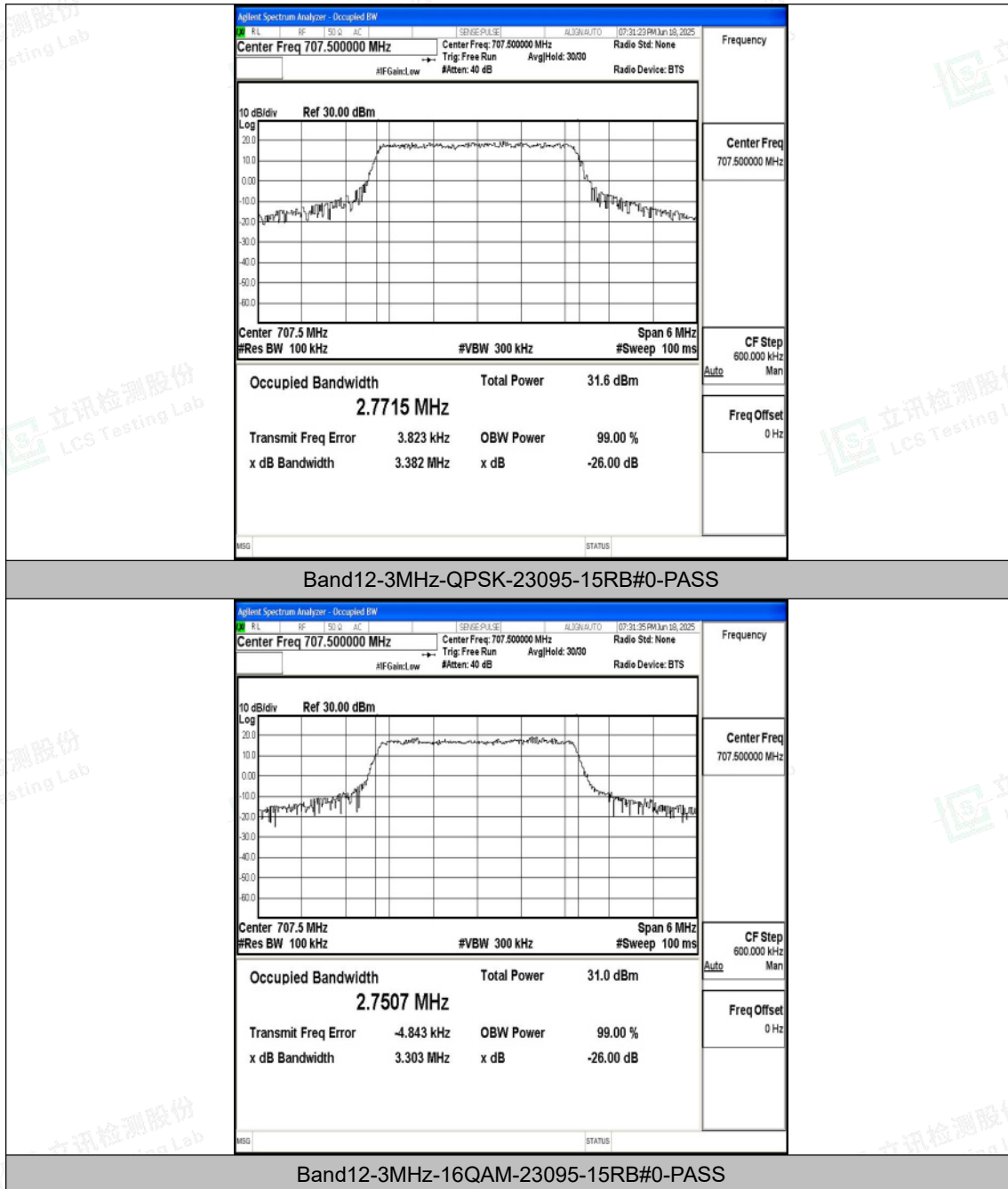


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