



Appendix K: Test Data for E-UTRA Band 12

Product Name: Mobile phone

Test Model: F161

Environmental Conditions

Temperature:	25.6°C
Relative Humidity:	54.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Jerry Chu
Supervised by:	Can Kun



K.1 Conducted Output Power Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	24.92	PASS
Band12	1.4MHz	QPSK	23017	1RB#2	25.04	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	24.88	PASS
Band12	1.4MHz	QPSK	23017	3RB#0	24.94	PASS
Band12	1.4MHz	QPSK	23017	3RB#1	24.93	PASS
Band12	1.4MHz	QPSK	23017	3RB#3	25.00	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	23.95	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	24.01	PASS
Band12	1.4MHz	16QAM	23017	1RB#2	24.46	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	24.03	PASS
Band12	1.4MHz	16QAM	23017	3RB#0	23.88	PASS
Band12	1.4MHz	16QAM	23017	3RB#1	23.94	PASS
Band12	1.4MHz	16QAM	23017	3RB#3	23.92	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	22.90	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	24.98	PASS
Band12	1.4MHz	QPSK	23095	1RB#2	25.04	PASS
Band12	1.4MHz	QPSK	23095	1RB#5	24.92	PASS
Band12	1.4MHz	QPSK	23095	3RB#0	25.08	PASS
Band12	1.4MHz	QPSK	23095	3RB#1	25.00	PASS
Band12	1.4MHz	QPSK	23095	3RB#3	25.03	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	23.96	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	24.09	PASS
Band12	1.4MHz	16QAM	23095	1RB#2	24.45	PASS
Band12	1.4MHz	16QAM	23095	1RB#5	24.03	PASS
Band12	1.4MHz	16QAM	23095	3RB#0	23.89	PASS
Band12	1.4MHz	16QAM	23095	3RB#1	23.96	PASS
Band12	1.4MHz	16QAM	23095	3RB#3	23.89	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	22.88	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	24.85	PASS
Band12	1.4MHz	QPSK	23173	1RB#2	24.99	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	24.80	PASS
Band12	1.4MHz	QPSK	23173	3RB#0	24.95	PASS
Band12	1.4MHz	QPSK	23173	3RB#1	25.01	PASS
Band12	1.4MHz	QPSK	23173	3RB#3	24.91	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	23.90	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	23.98	PASS
Band12	1.4MHz	16QAM	23173	1RB#2	24.24	PASS



Band12	1.4MHz	16QAM	23173	1RB#5	23.96	PASS
Band12	1.4MHz	16QAM	23173	3RB#0	23.79	PASS
Band12	1.4MHz	16QAM	23173	3RB#1	23.96	PASS
Band12	1.4MHz	16QAM	23173	3RB#3	23.77	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	23.00	PASS
Band12	3MHz	QPSK	23025	1RB#0	24.95	PASS
Band12	3MHz	QPSK	23025	1RB#8	24.95	PASS
Band12	3MHz	QPSK	23025	1RB#14	24.94	PASS
Band12	3MHz	QPSK	23025	8RB#0	23.92	PASS
Band12	3MHz	QPSK	23025	8RB#4	23.96	PASS
Band12	3MHz	QPSK	23025	8RB#7	23.93	PASS
Band12	3MHz	QPSK	23025	15RB#0	23.96	PASS
Band12	3MHz	16QAM	23025	1RB#0	24.16	PASS
Band12	3MHz	16QAM	23025	1RB#8	24.36	PASS
Band12	3MHz	16QAM	23025	1RB#14	24.08	PASS
Band12	3MHz	16QAM	23025	8RB#0	23.01	PASS
Band12	3MHz	16QAM	23025	8RB#4	23.02	PASS
Band12	3MHz	16QAM	23025	8RB#7	22.96	PASS
Band12	3MHz	16QAM	23025	15RB#0	22.91	PASS
Band12	3MHz	QPSK	23095	1RB#0	25.00	PASS
Band12	3MHz	QPSK	23095	1RB#8	25.01	PASS
Band12	3MHz	QPSK	23095	1RB#14	24.92	PASS
Band12	3MHz	QPSK	23095	8RB#0	24.04	PASS
Band12	3MHz	QPSK	23095	8RB#4	23.98	PASS
Band12	3MHz	QPSK	23095	8RB#7	23.99	PASS
Band12	3MHz	QPSK	23095	15RB#0	23.96	PASS
Band12	3MHz	16QAM	23095	1RB#0	23.90	PASS
Band12	3MHz	16QAM	23095	1RB#8	24.21	PASS
Band12	3MHz	16QAM	23095	1RB#14	23.85	PASS
Band12	3MHz	16QAM	23095	8RB#0	23.07	PASS
Band12	3MHz	16QAM	23095	8RB#4	22.94	PASS
Band12	3MHz	16QAM	23095	8RB#7	23.08	PASS
Band12	3MHz	16QAM	23095	15RB#0	22.95	PASS
Band12	3MHz	QPSK	23165	1RB#0	24.89	PASS
Band12	3MHz	QPSK	23165	1RB#8	24.93	PASS
Band12	3MHz	QPSK	23165	1RB#14	24.87	PASS
Band12	3MHz	QPSK	23165	8RB#0	23.95	PASS
Band12	3MHz	QPSK	23165	8RB#4	23.97	PASS
Band12	3MHz	QPSK	23165	8RB#7	23.91	PASS
Band12	3MHz	QPSK	23165	15RB#0	23.89	PASS
Band12	3MHz	16QAM	23165	1RB#0	24.13	PASS
Band12	3MHz	16QAM	23165	1RB#8	24.18	PASS
Band12	3MHz	16QAM	23165	1RB#14	23.98	PASS



Band12	3MHz	16QAM	23165	8RB#0	23.04	PASS
Band12	3MHz	16QAM	23165	8RB#4	23.10	PASS
Band12	3MHz	16QAM	23165	8RB#7	22.99	PASS
Band12	3MHz	16QAM	23165	15RB#0	22.97	PASS
Band12	5MHz	QPSK	23035	1RB#0	24.90	PASS
Band12	5MHz	QPSK	23035	1RB#12	25.15	PASS
Band12	5MHz	QPSK	23035	1RB#24	24.91	PASS
Band12	5MHz	QPSK	23035	12RB#0	23.88	PASS
Band12	5MHz	QPSK	23035	12RB#6	23.99	PASS
Band12	5MHz	QPSK	23035	12RB#13	23.98	PASS
Band12	5MHz	QPSK	23035	25RB#0	23.94	PASS
Band12	5MHz	16QAM	23035	1RB#0	23.88	PASS
Band12	5MHz	16QAM	23035	1RB#12	24.46	PASS
Band12	5MHz	16QAM	23035	1RB#24	23.89	PASS
Band12	5MHz	16QAM	23035	12RB#0	22.94	PASS
Band12	5MHz	16QAM	23035	12RB#6	23.06	PASS
Band12	5MHz	16QAM	23035	12RB#13	23.03	PASS
Band12	5MHz	16QAM	23035	25RB#0	23.00	PASS
Band12	5MHz	QPSK	23095	1RB#0	24.97	PASS
Band12	5MHz	QPSK	23095	1RB#12	25.11	PASS
Band12	5MHz	QPSK	23095	1RB#24	24.93	PASS
Band12	5MHz	QPSK	23095	12RB#0	23.98	PASS
Band12	5MHz	QPSK	23095	12RB#6	24.01	PASS
Band12	5MHz	QPSK	23095	12RB#13	23.94	PASS
Band12	5MHz	QPSK	23095	25RB#0	24.00	PASS
Band12	5MHz	16QAM	23095	1RB#0	24.15	PASS
Band12	5MHz	16QAM	23095	1RB#12	24.41	PASS
Band12	5MHz	16QAM	23095	1RB#24	24.07	PASS
Band12	5MHz	16QAM	23095	12RB#0	23.09	PASS
Band12	5MHz	16QAM	23095	12RB#6	23.13	PASS
Band12	5MHz	16QAM	23095	12RB#13	23.00	PASS
Band12	5MHz	16QAM	23095	25RB#0	22.98	PASS
Band12	5MHz	QPSK	23155	1RB#0	24.95	PASS
Band12	5MHz	QPSK	23155	1RB#12	25.13	PASS
Band12	5MHz	QPSK	23155	1RB#24	24.88	PASS
Band12	5MHz	QPSK	23155	12RB#0	23.92	PASS
Band12	5MHz	QPSK	23155	12RB#6	23.97	PASS
Band12	5MHz	QPSK	23155	12RB#13	23.86	PASS
Band12	5MHz	QPSK	23155	25RB#0	23.97	PASS
Band12	5MHz	16QAM	23155	1RB#0	23.92	PASS
Band12	5MHz	16QAM	23155	1RB#12	24.39	PASS
Band12	5MHz	16QAM	23155	1RB#24	23.85	PASS
Band12	5MHz	16QAM	23155	12RB#0	22.98	PASS



Band12	5MHz	16QAM	23155	12RB#6	22.98	PASS
Band12	5MHz	16QAM	23155	12RB#13	22.90	PASS
Band12	5MHz	16QAM	23155	25RB#0	23.02	PASS
Band12	10MHz	QPSK	23060	1RB#0	24.91	PASS
Band12	10MHz	QPSK	23060	1RB#24	25.15	PASS
Band12	10MHz	QPSK	23060	1RB#49	24.91	PASS
Band12	10MHz	QPSK	23060	25RB#0	23.97	PASS
Band12	10MHz	QPSK	23060	25RB#12	24.01	PASS
Band12	10MHz	QPSK	23060	25RB#25	24.03	PASS
Band12	10MHz	QPSK	23060	50RB#0	23.94	PASS
Band12	10MHz	16QAM	23060	1RB#0	24.07	PASS
Band12	10MHz	16QAM	23060	1RB#24	24.39	PASS
Band12	10MHz	16QAM	23060	1RB#49	24.07	PASS
Band12	10MHz	16QAM	23060	25RB#0	23.00	PASS
Band12	10MHz	16QAM	23060	25RB#12	23.10	PASS
Band12	10MHz	16QAM	23060	25RB#25	23.05	PASS
Band12	10MHz	16QAM	23060	50RB#0	23.00	PASS
Band12	10MHz	QPSK	23095	1RB#0	24.91	PASS
Band12	10MHz	QPSK	23095	1RB#24	25.15	PASS
Band12	10MHz	QPSK	23095	1RB#49	24.92	PASS
Band12	10MHz	QPSK	23095	25RB#0	24.09	PASS
Band12	10MHz	QPSK	23095	25RB#12	24.00	PASS
Band12	10MHz	QPSK	23095	25RB#25	23.97	PASS
Band12	10MHz	QPSK	23095	50RB#0	23.92	PASS
Band12	10MHz	16QAM	23095	1RB#0	24.14	PASS
Band12	10MHz	16QAM	23095	1RB#24	24.52	PASS
Band12	10MHz	16QAM	23095	1RB#49	24.08	PASS
Band12	10MHz	16QAM	23095	25RB#0	23.12	PASS
Band12	10MHz	16QAM	23095	25RB#12	23.05	PASS
Band12	10MHz	16QAM	23095	25RB#25	23.10	PASS
Band12	10MHz	16QAM	23095	50RB#0	23.08	PASS
Band12	10MHz	QPSK	23130	1RB#0	25.02	PASS
Band12	10MHz	QPSK	23130	1RB#24	25.11	PASS
Band12	10MHz	QPSK	23130	1RB#49	24.88	PASS
Band12	10MHz	QPSK	23130	25RB#0	24.05	PASS
Band12	10MHz	QPSK	23130	25RB#12	23.99	PASS
Band12	10MHz	QPSK	23130	25RB#25	23.93	PASS
Band12	10MHz	QPSK	23130	50RB#0	23.98	PASS
Band12	10MHz	16QAM	23130	1RB#0	23.87	PASS
Band12	10MHz	16QAM	23130	1RB#24	24.34	PASS
Band12	10MHz	16QAM	23130	1RB#49	23.82	PASS
Band12	10MHz	16QAM	23130	25RB#0	23.15	PASS
Band12	10MHz	16QAM	23130	25RB#12	23.05	PASS



Band12	10MHz	16QAM	23130	25RB#25	22.98	PASS
Band12	10MHz	16QAM	23130	50RB#0	23.02	PASS



K.2 Peak-to-Average Ratio(CCDF)

Test Result

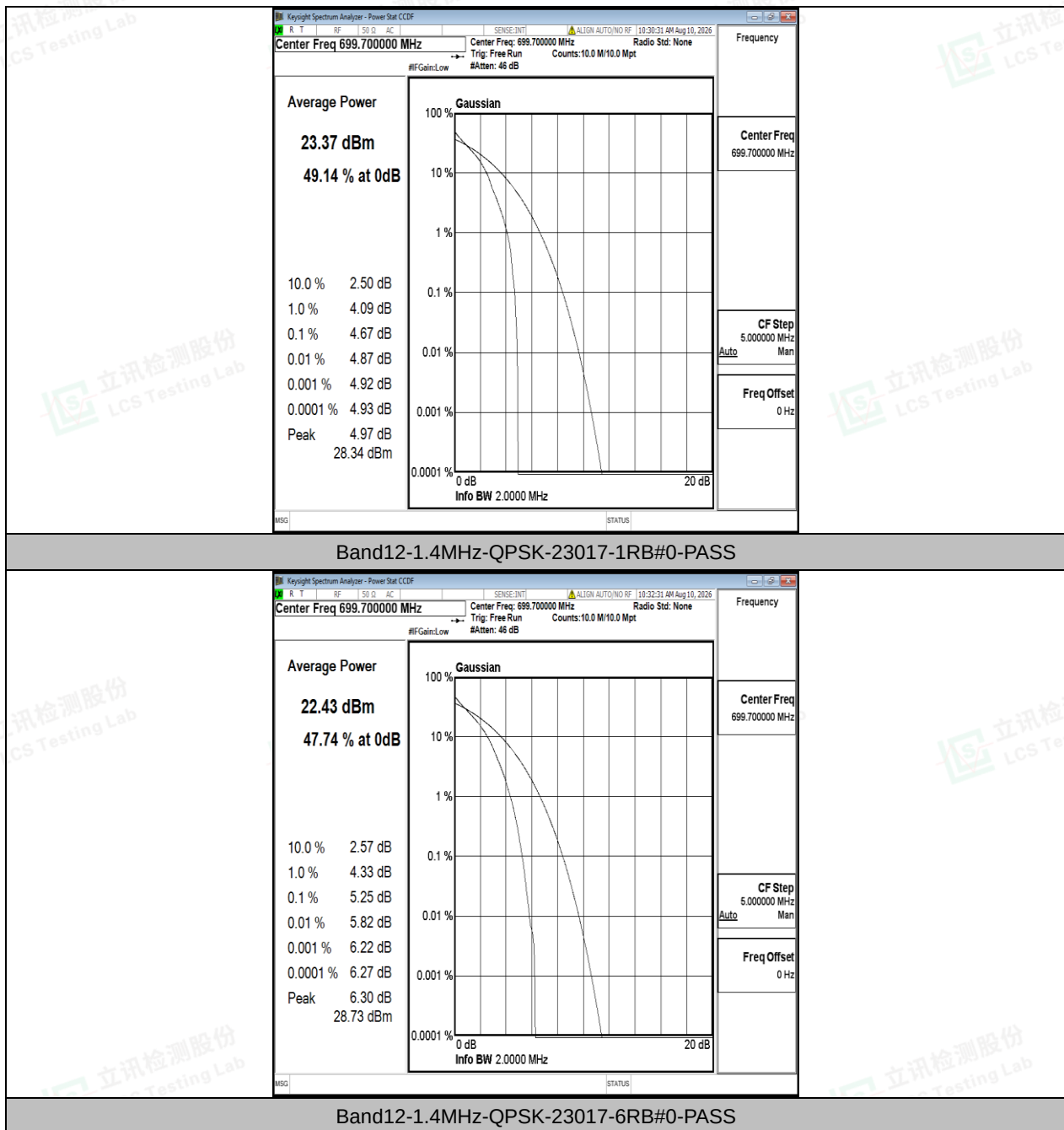
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	4.67	13	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	5.25	13	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	5.58	13	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	5.96	13	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	4.75	13	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	5.23	13	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	5.61	13	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	5.99	13	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	4.61	13	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	5.15	13	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	5.51	13	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	5.92	13	PASS
Band12	3MHz	QPSK	23025	1RB#0	4.59	13	PASS
Band12	3MHz	QPSK	23025	15RB#0	5.35	13	PASS
Band12	3MHz	16QAM	23025	1RB#0	5.46	13	PASS
Band12	3MHz	16QAM	23025	15RB#0	6.13	13	PASS
Band12	3MHz	QPSK	23095	1RB#0	4.68	13	PASS
Band12	3MHz	QPSK	23095	15RB#0	5.34	13	PASS
Band12	3MHz	16QAM	23095	1RB#0	5.53	13	PASS
Band12	3MHz	16QAM	23095	15RB#0	6.14	13	PASS
Band12	3MHz	QPSK	23165	1RB#0	4.67	13	PASS
Band12	3MHz	QPSK	23165	15RB#0	5.29	13	PASS
Band12	3MHz	16QAM	23165	1RB#0	5.52	13	PASS
Band12	3MHz	16QAM	23165	15RB#0	6.08	13	PASS
Band12	5MHz	QPSK	23035	1RB#0	4.79	13	PASS
Band12	5MHz	QPSK	23035	25RB#0	5.51	13	PASS
Band12	5MHz	16QAM	23035	1RB#0	5.46	13	PASS
Band12	5MHz	16QAM	23035	25RB#0	6.17	13	PASS
Band12	5MHz	QPSK	23095	1RB#0	4.87	13	PASS
Band12	5MHz	QPSK	23095	25RB#0	5.54	13	PASS
Band12	5MHz	16QAM	23095	1RB#0	5.48	13	PASS
Band12	5MHz	16QAM	23095	25RB#0	6.19	13	PASS
Band12	5MHz	QPSK	23155	1RB#0	4.99	13	PASS
Band12	5MHz	QPSK	23155	25RB#0	5.51	13	PASS
Band12	5MHz	16QAM	23155	1RB#0	5.60	13	PASS
Band12	5MHz	16QAM	23155	25RB#0	6.17	13	PASS

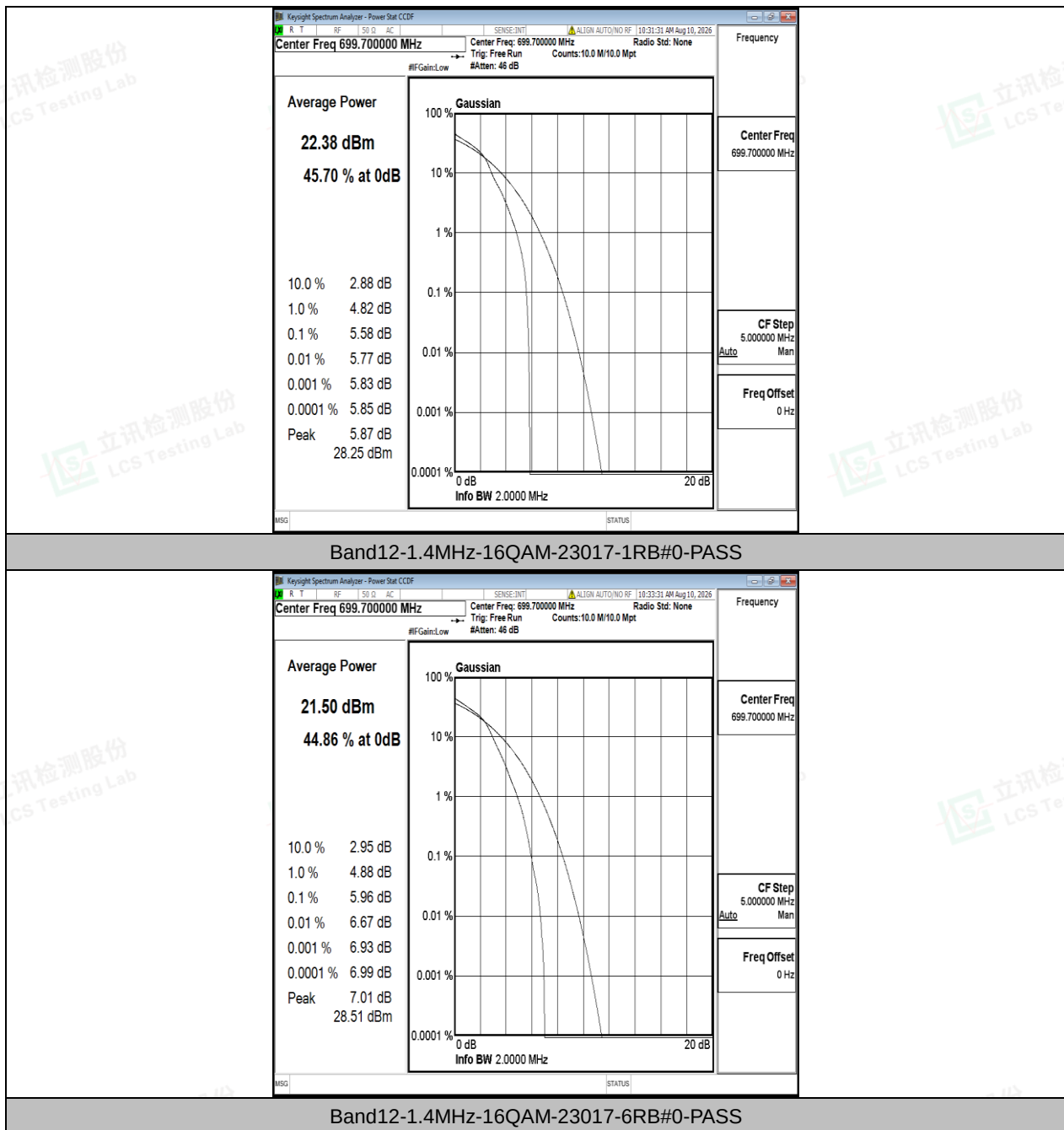


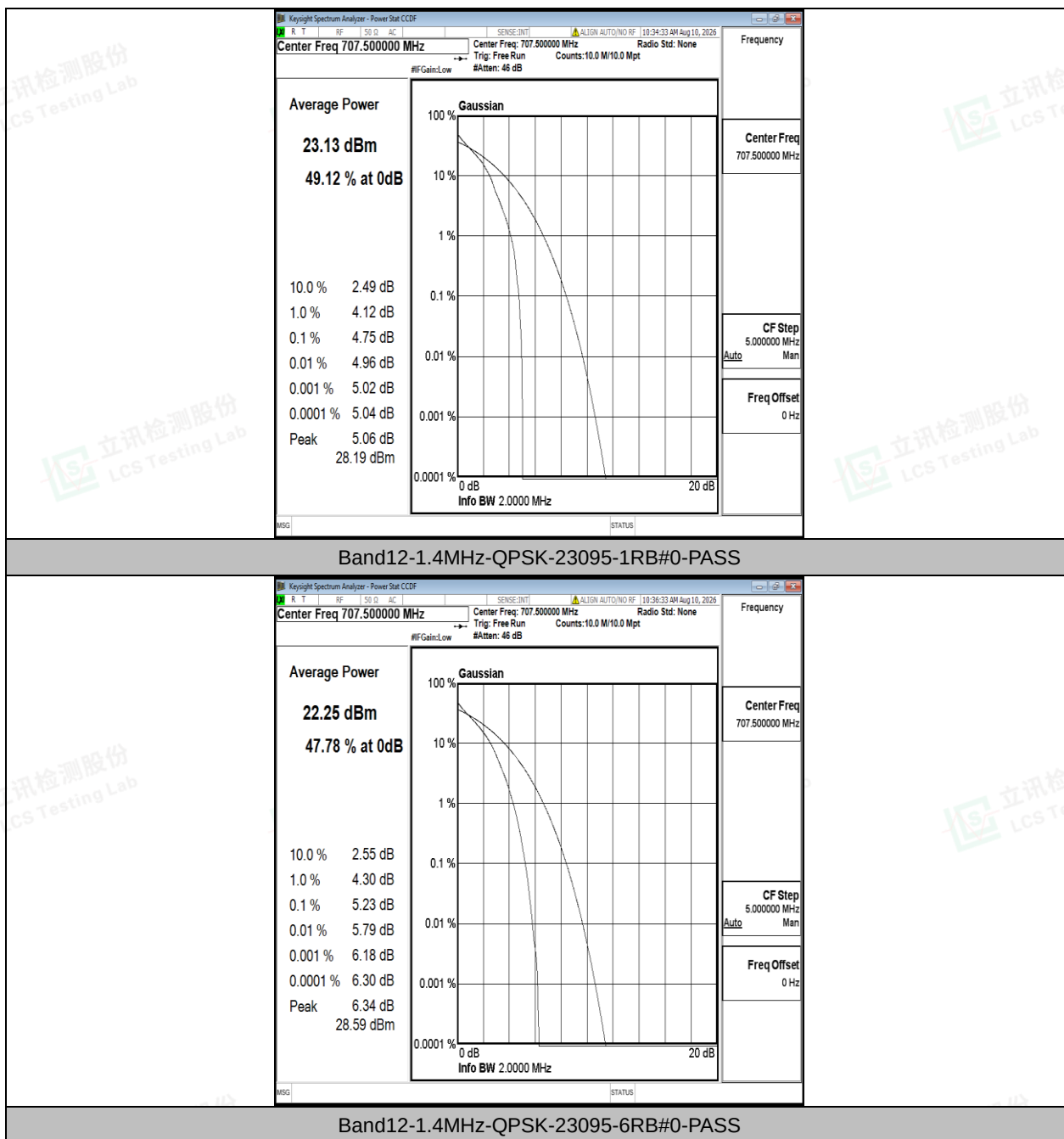
Band12	10MHz	QPSK	23060	1RB#0	4.60	13	PASS
Band12	10MHz	QPSK	23060	50RB#0	5.49	13	PASS
Band12	10MHz	16QAM	23060	1RB#0	5.47	13	PASS
Band12	10MHz	16QAM	23060	50RB#0	6.21	13	PASS
Band12	10MHz	QPSK	23095	1RB#0	4.68	13	PASS
Band12	10MHz	QPSK	23095	50RB#0	5.53	13	PASS
Band12	10MHz	16QAM	23095	1RB#0	5.55	13	PASS
Band12	10MHz	16QAM	23095	50RB#0	6.23	13	PASS
Band12	10MHz	QPSK	23130	1RB#0	4.70	13	PASS
Band12	10MHz	QPSK	23130	50RB#0	5.48	13	PASS
Band12	10MHz	16QAM	23130	1RB#0	5.56	13	PASS
Band12	10MHz	16QAM	23130	50RB#0	6.20	13	PASS

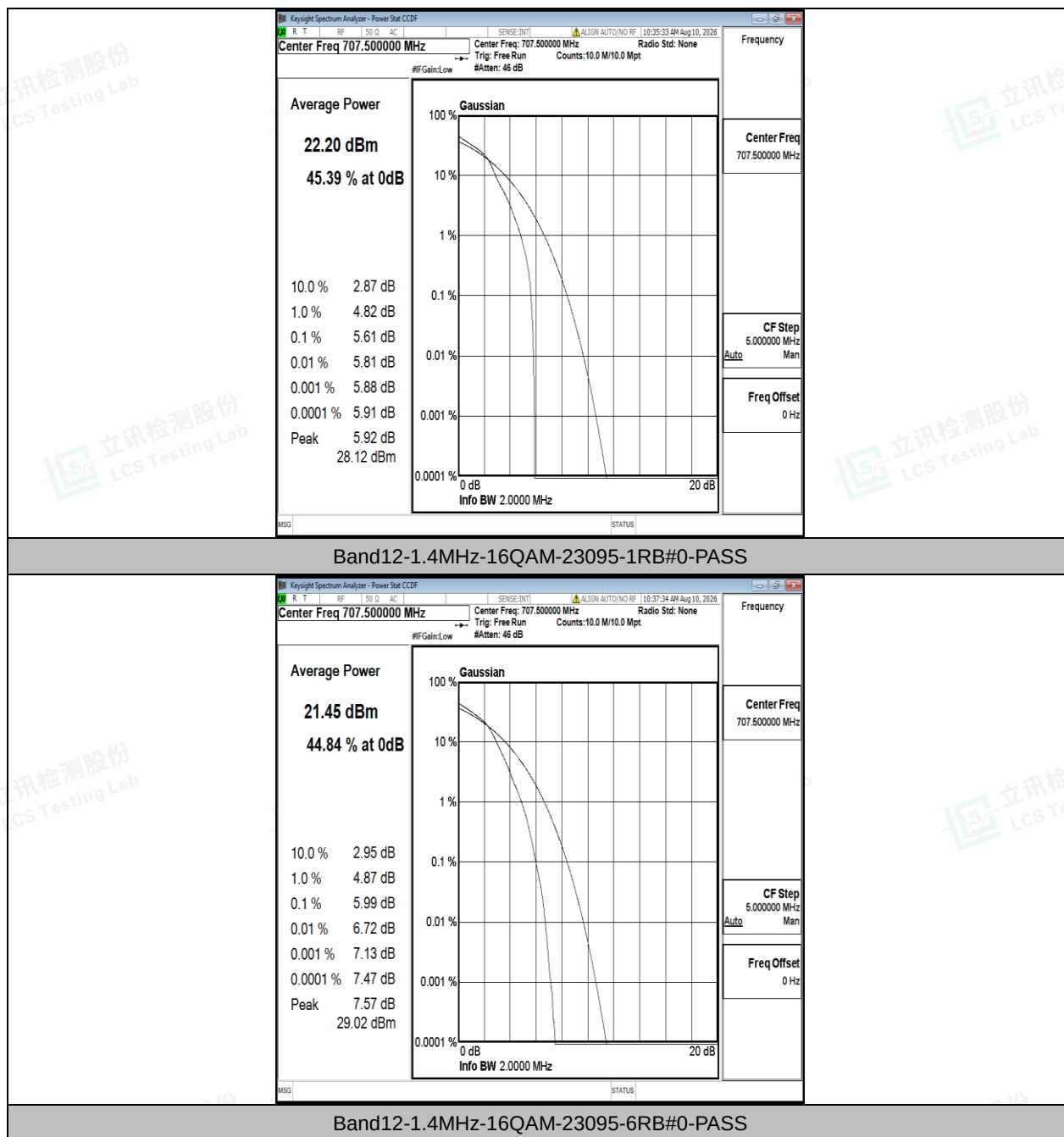


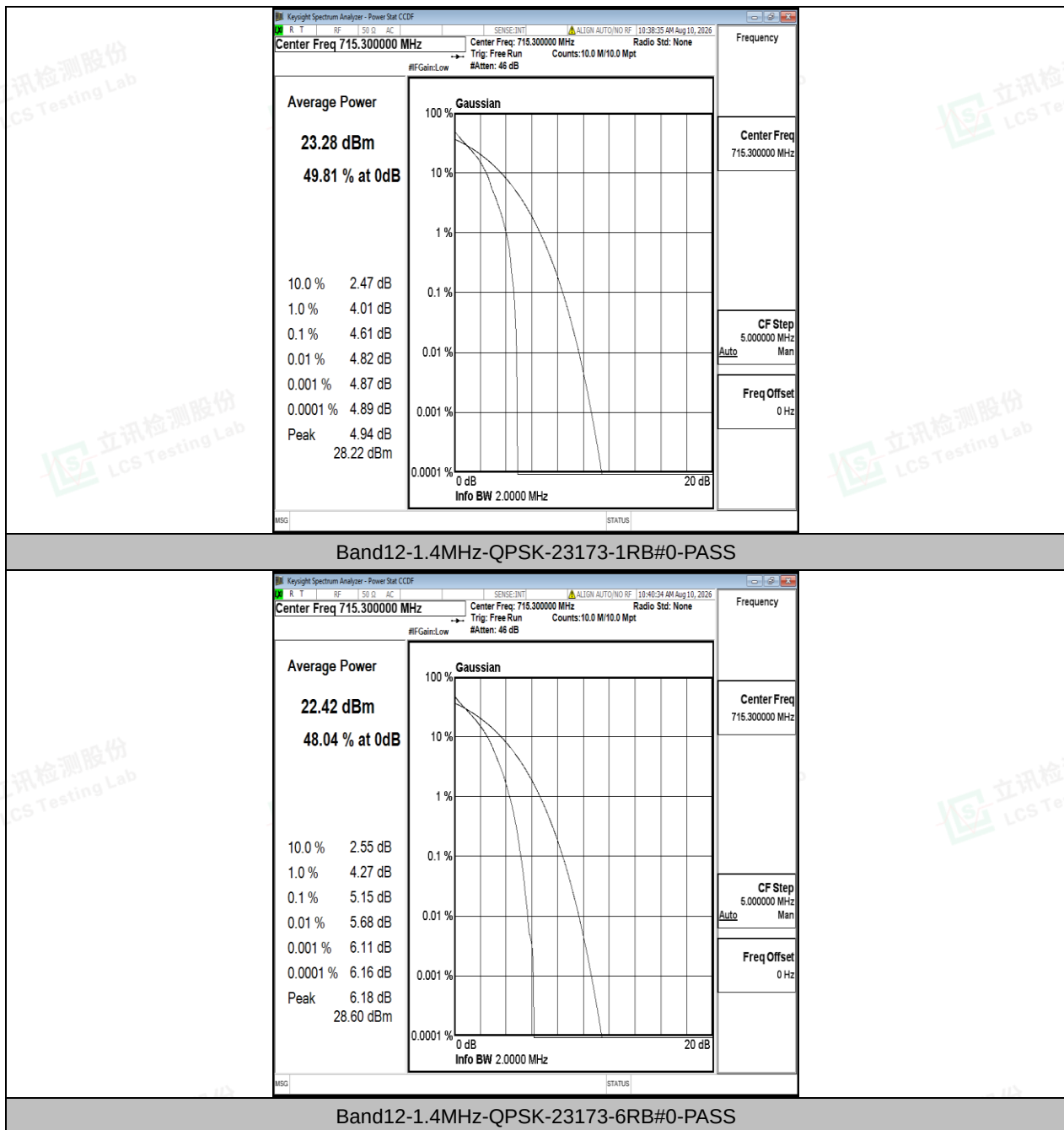
Test Graphs

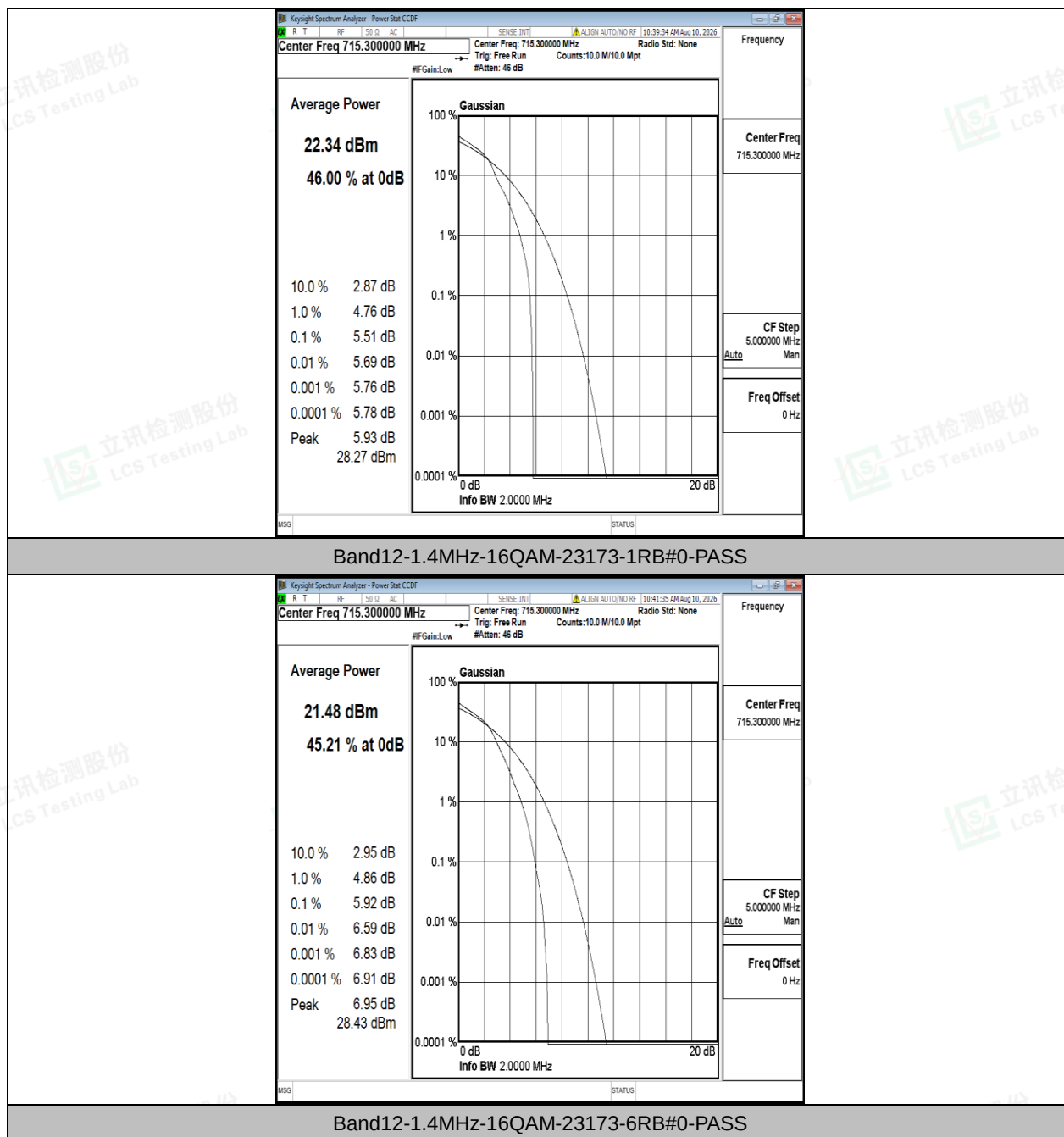


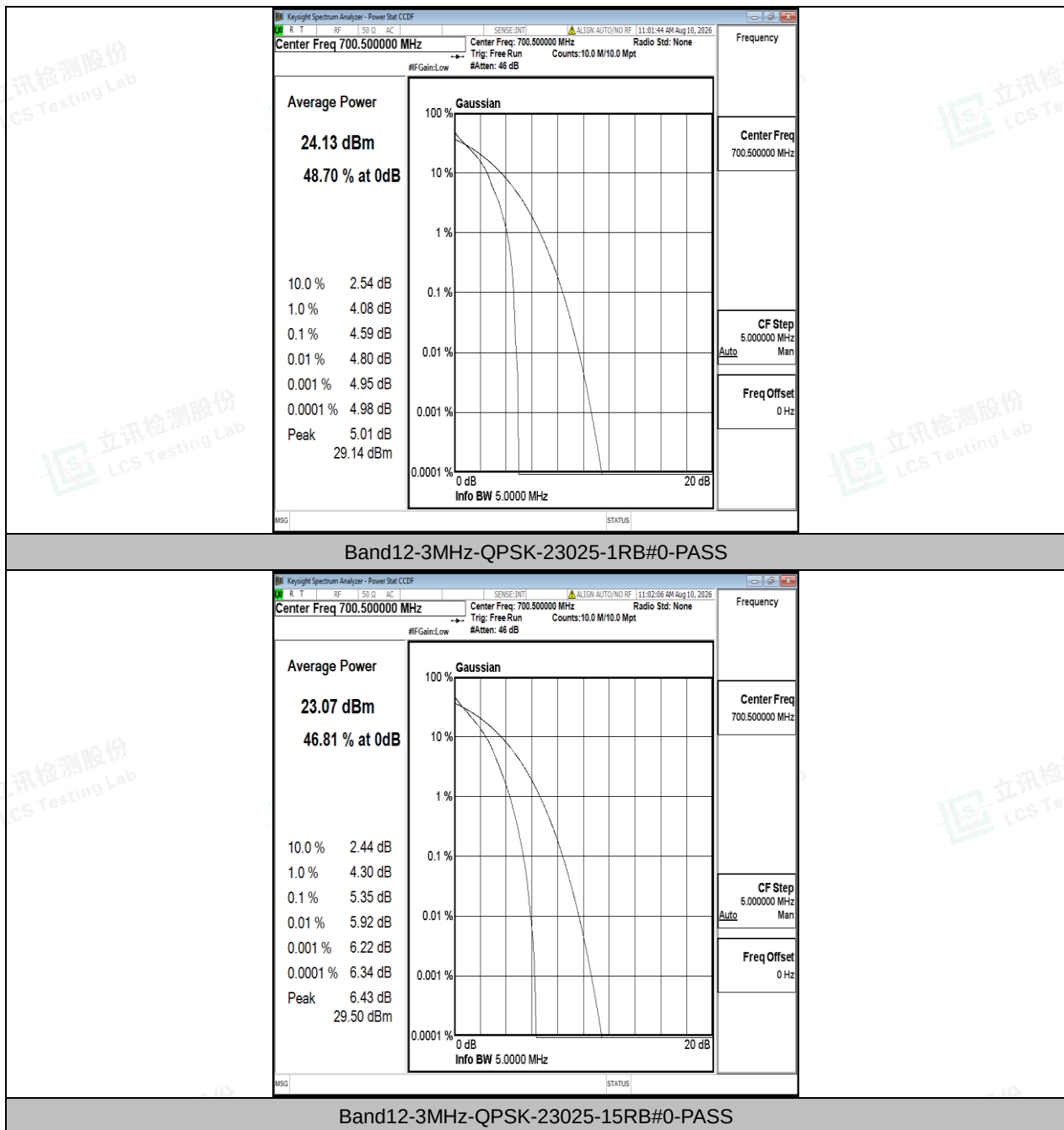


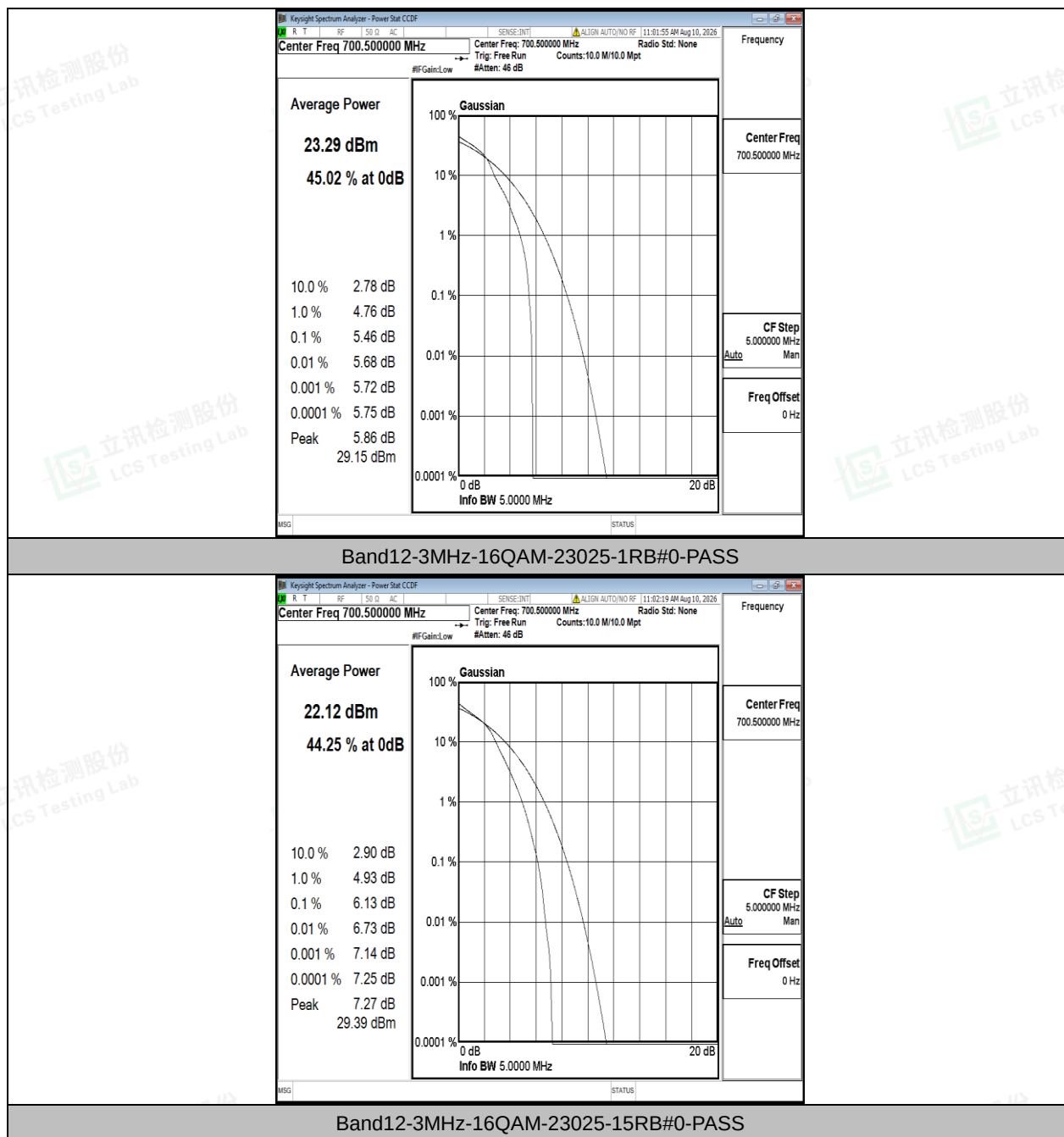


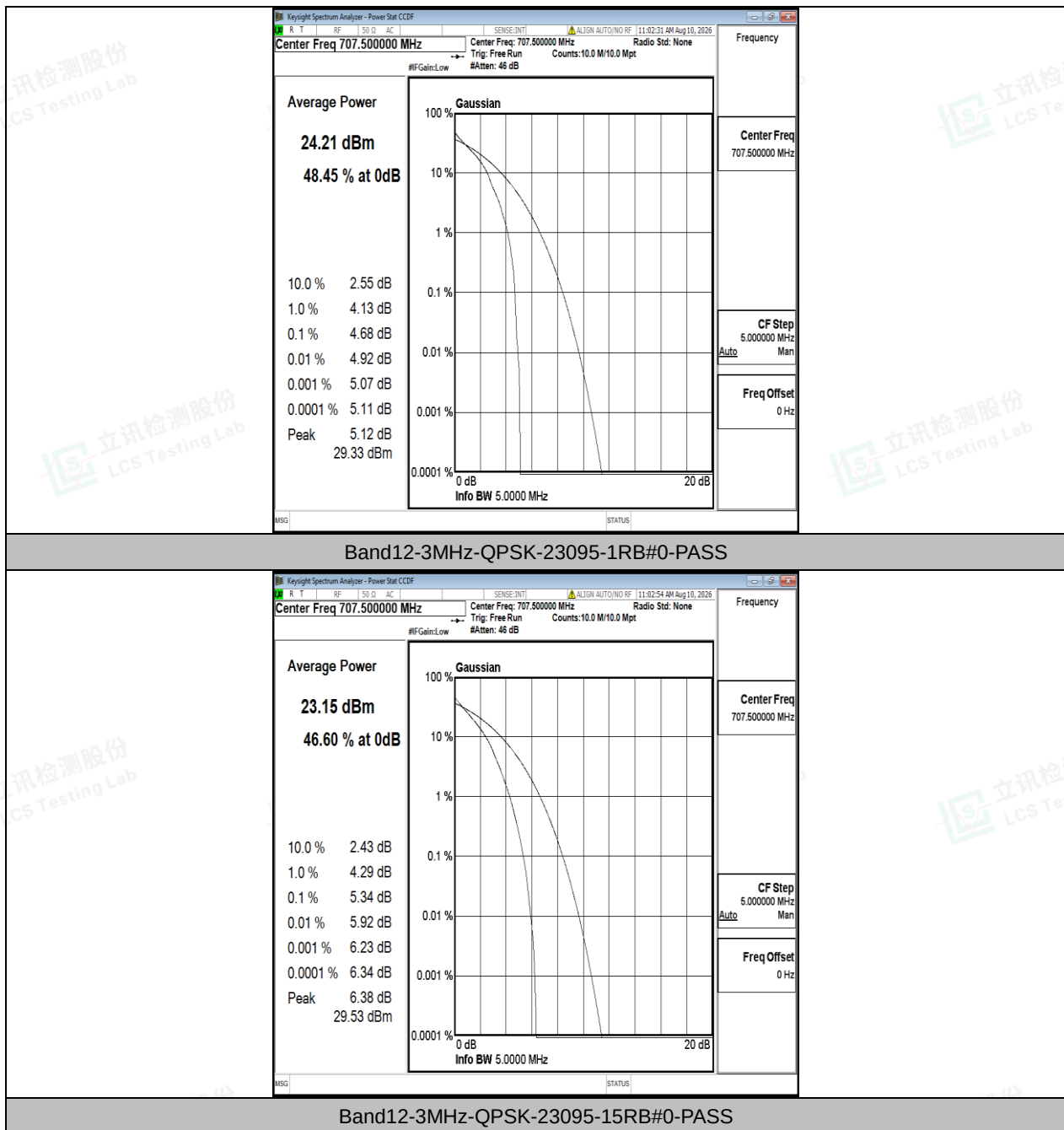


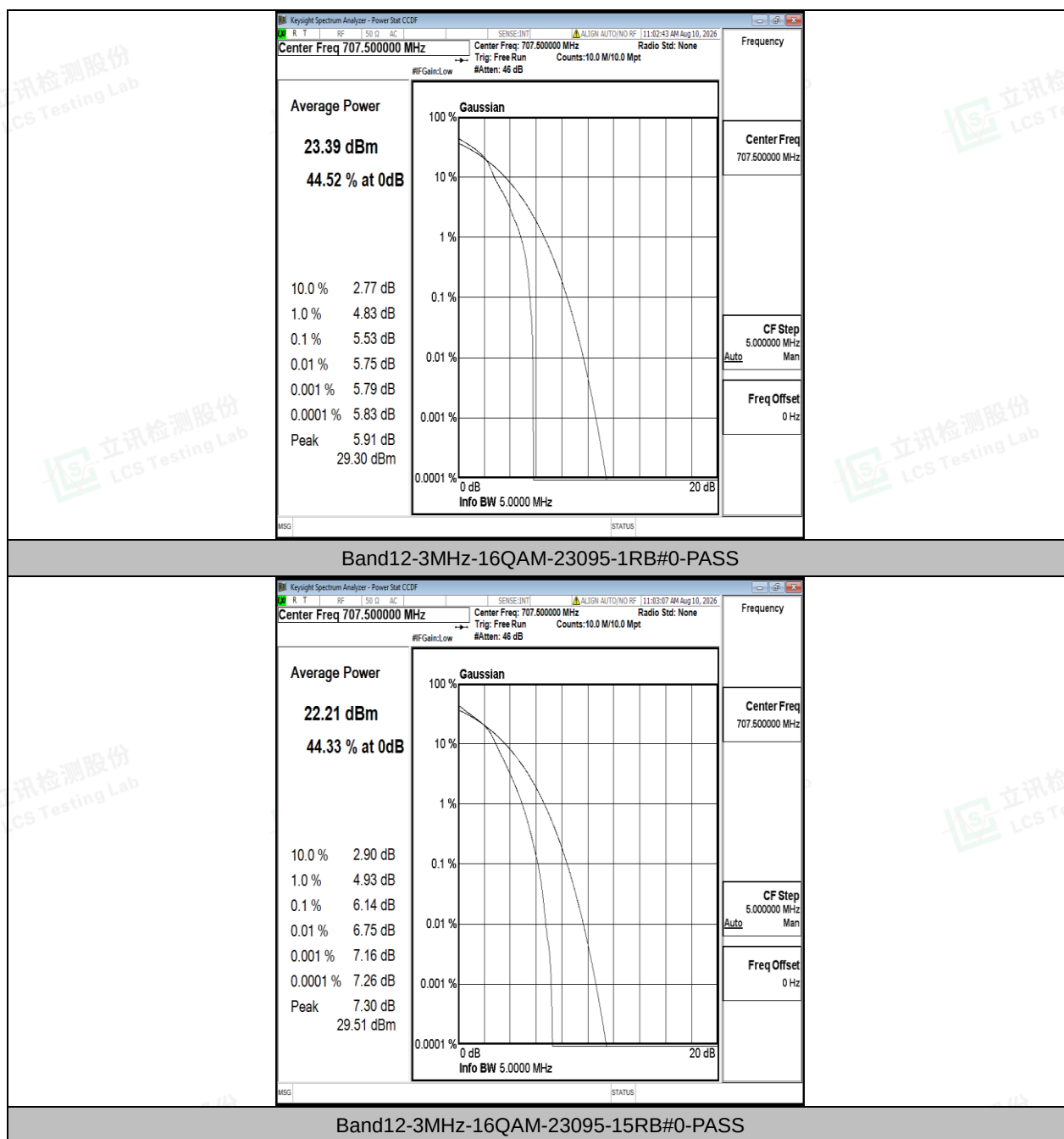


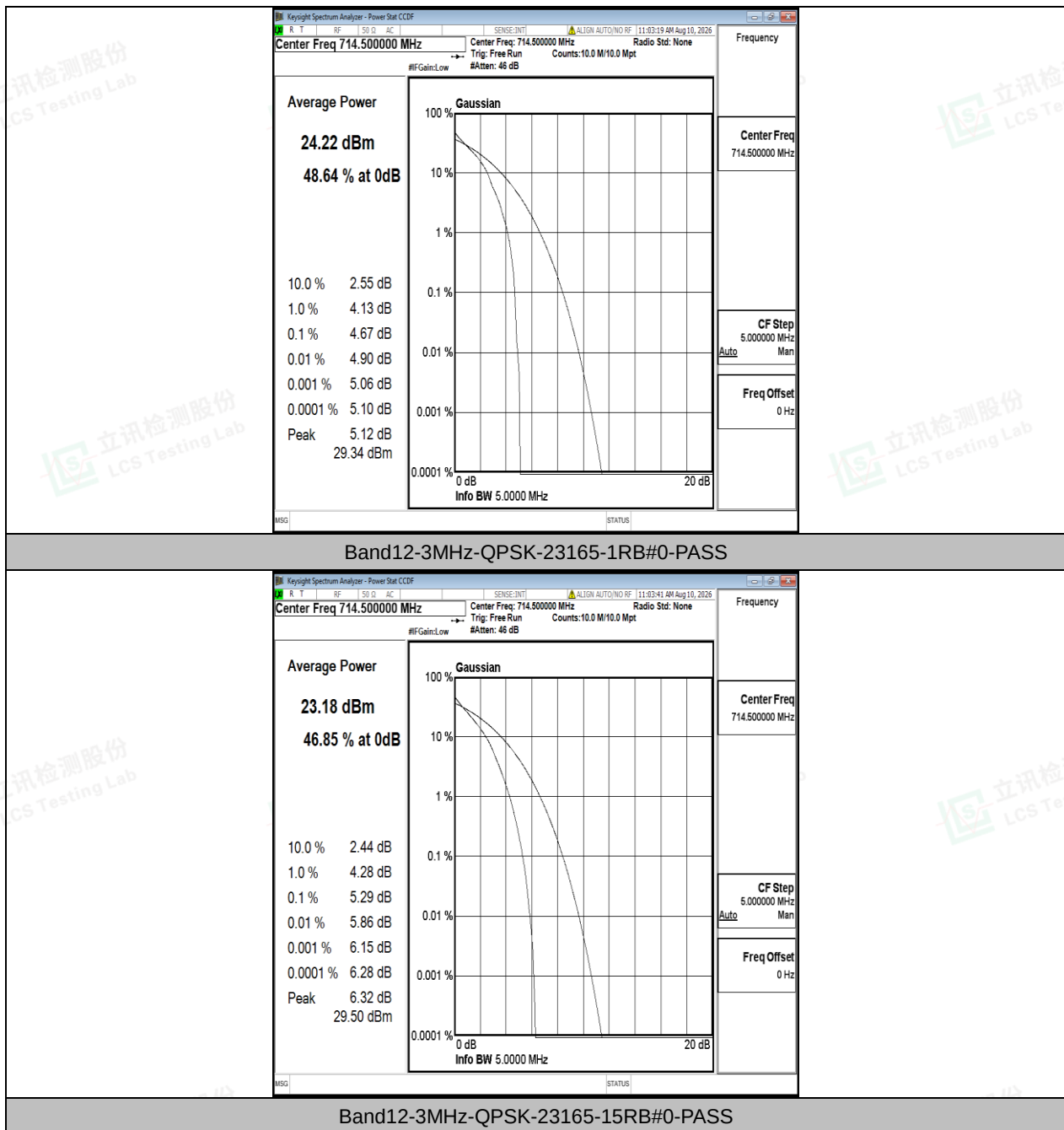


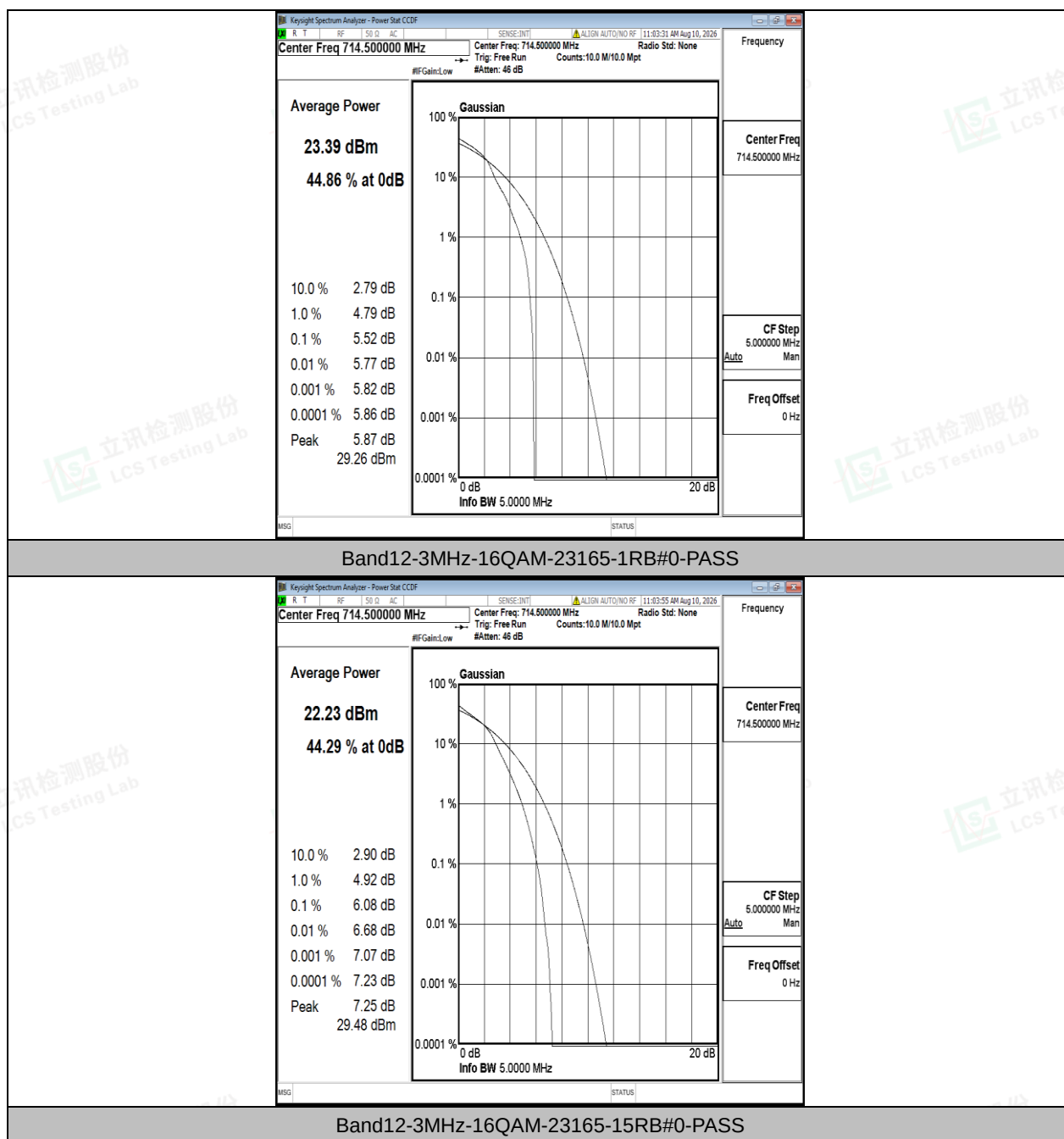


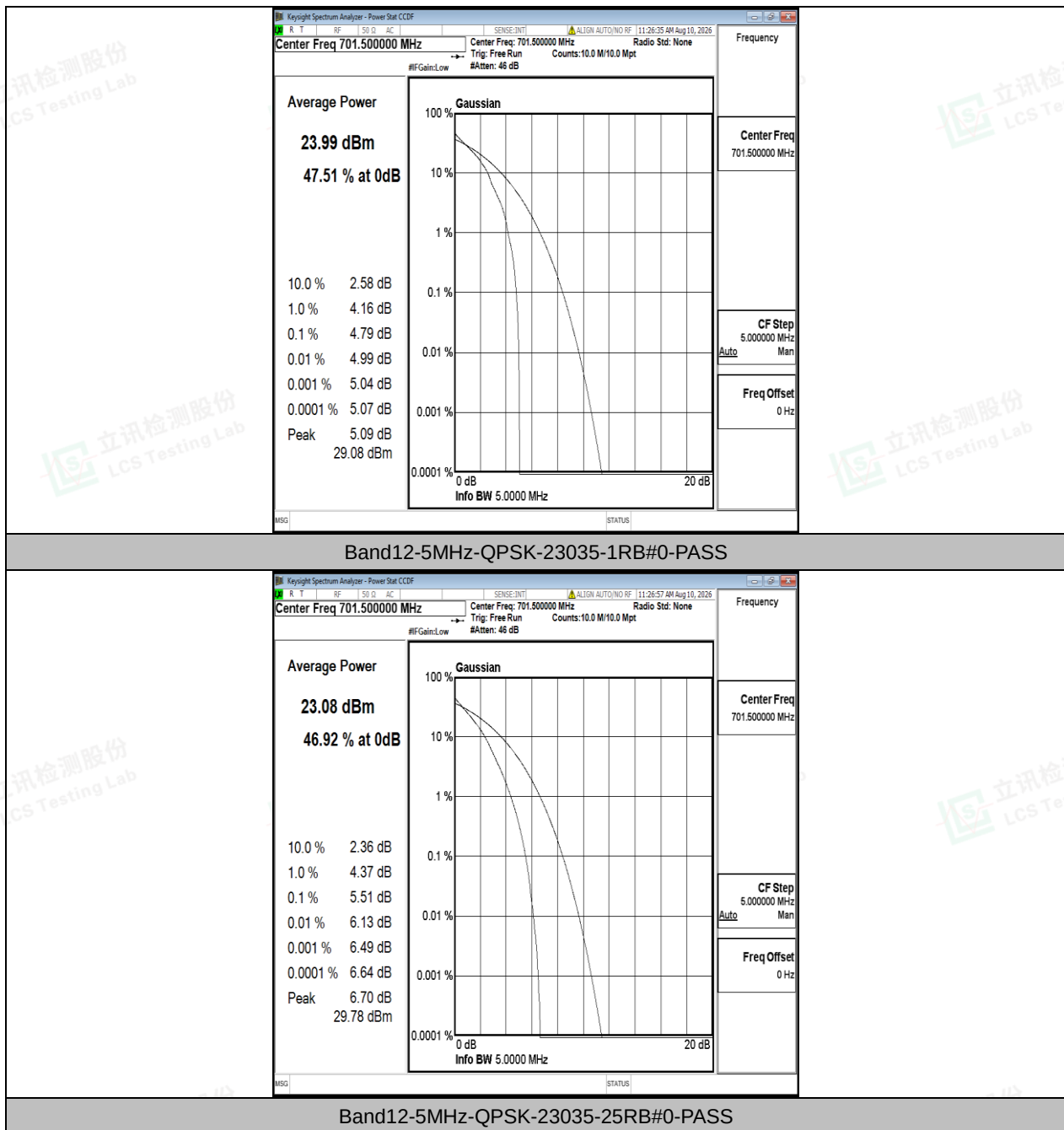


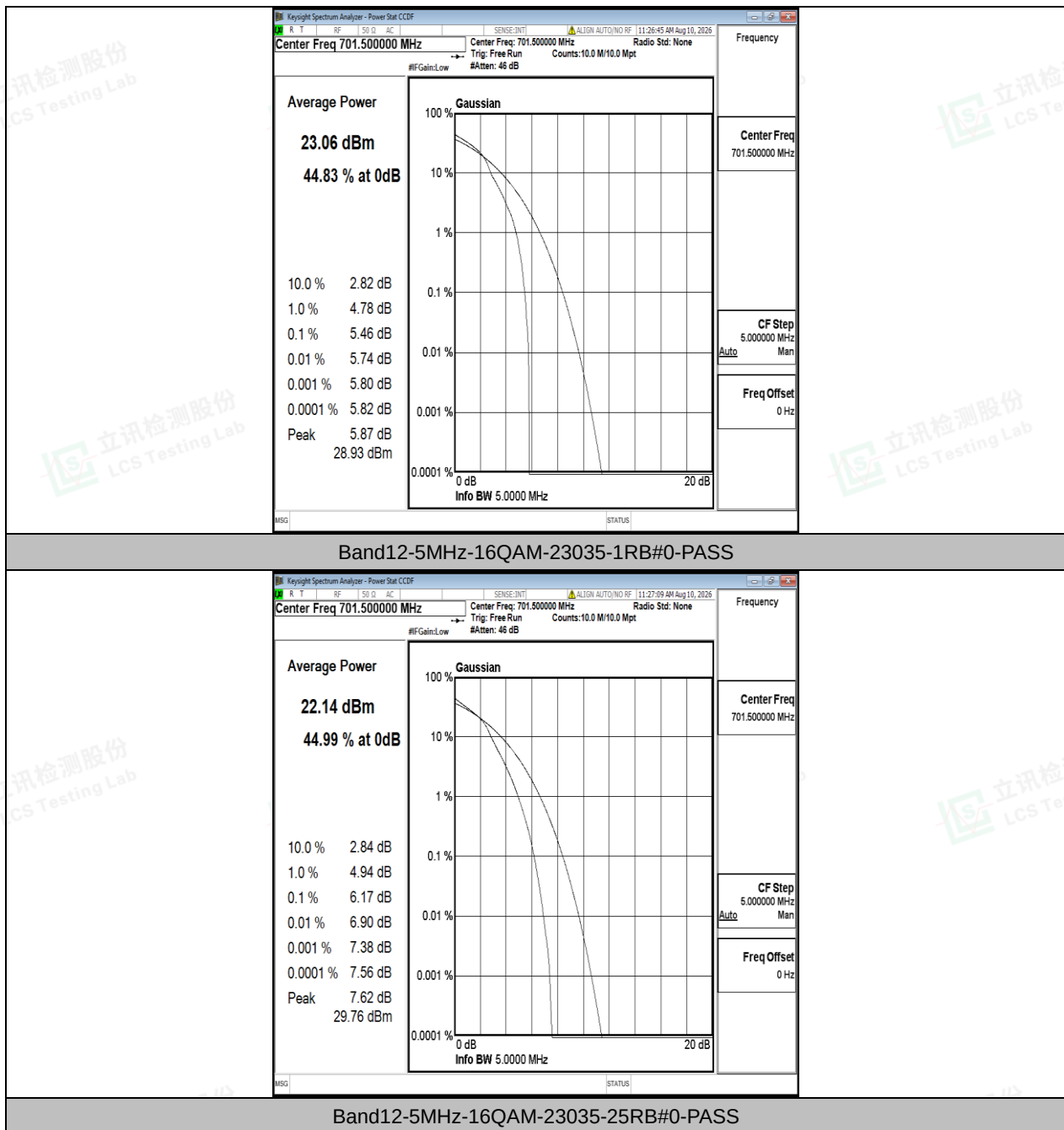


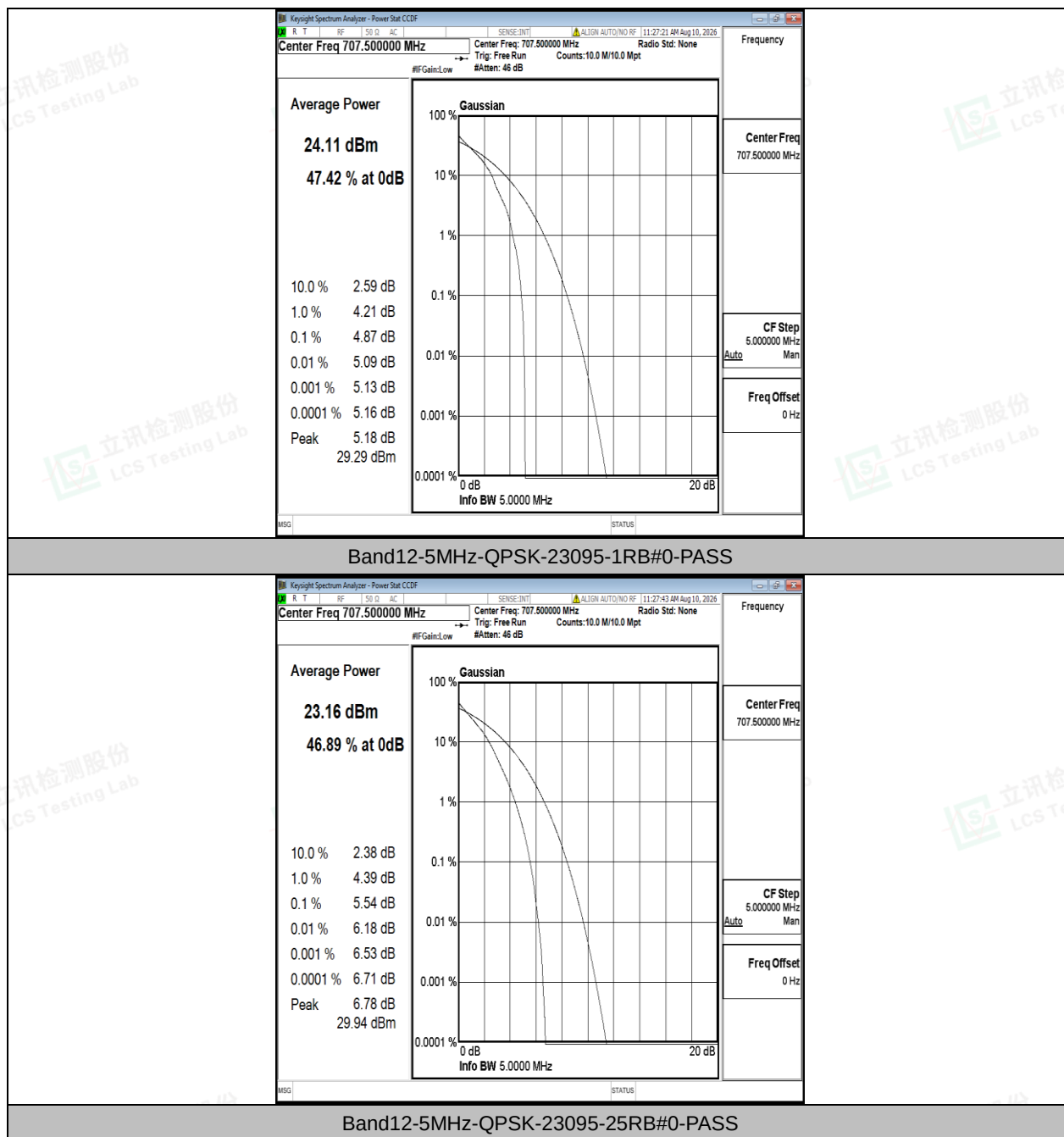


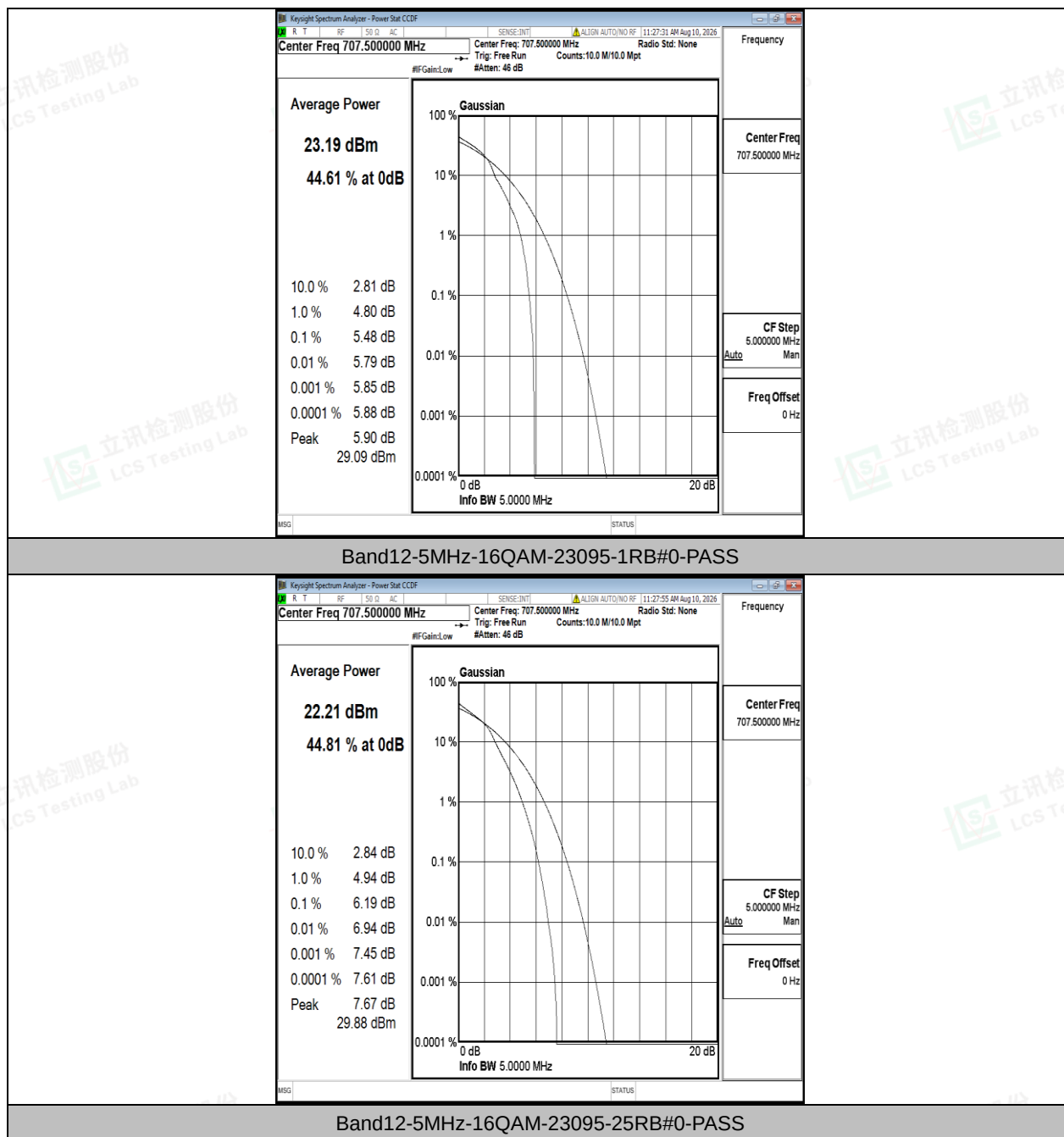


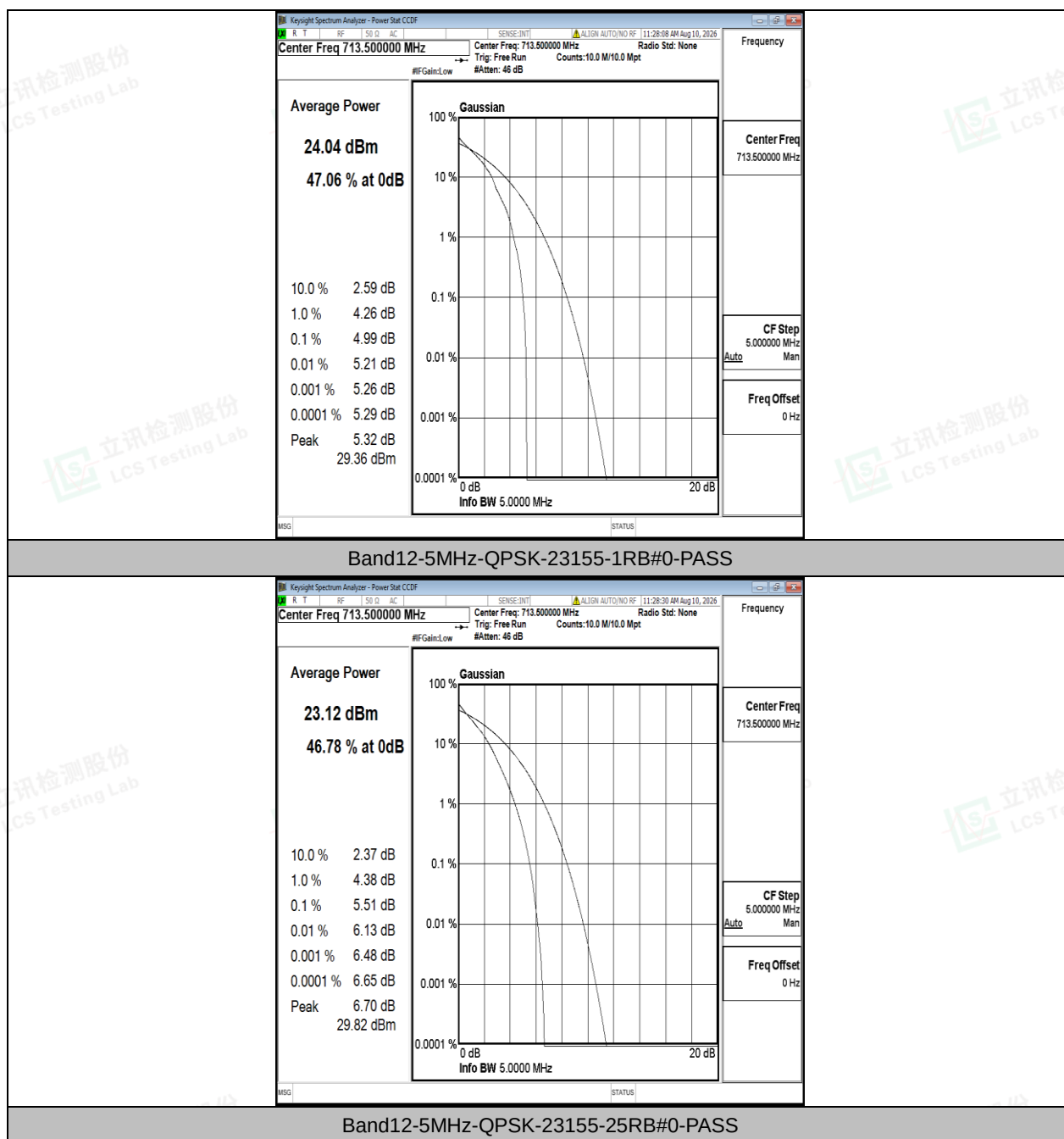


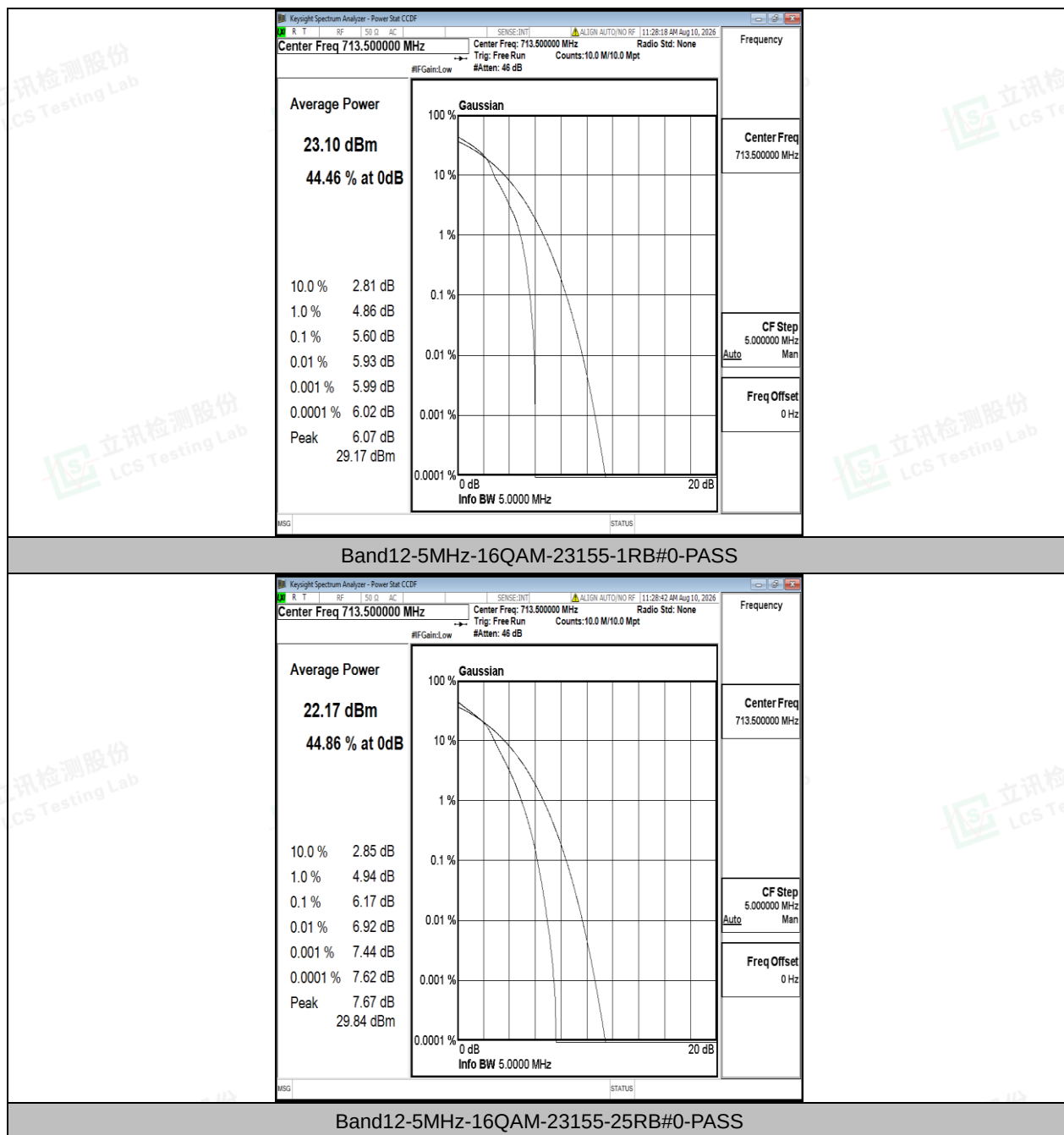


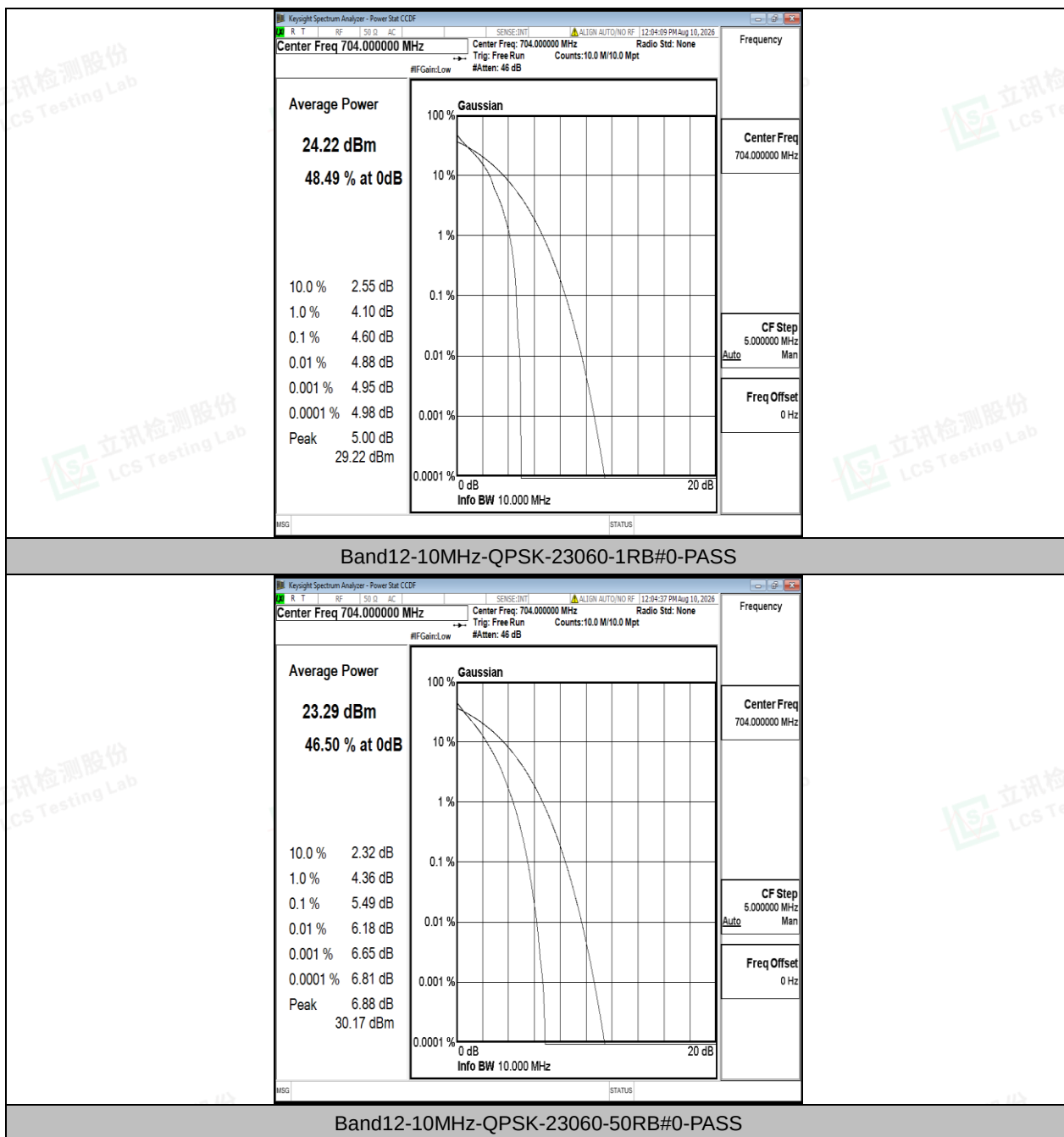


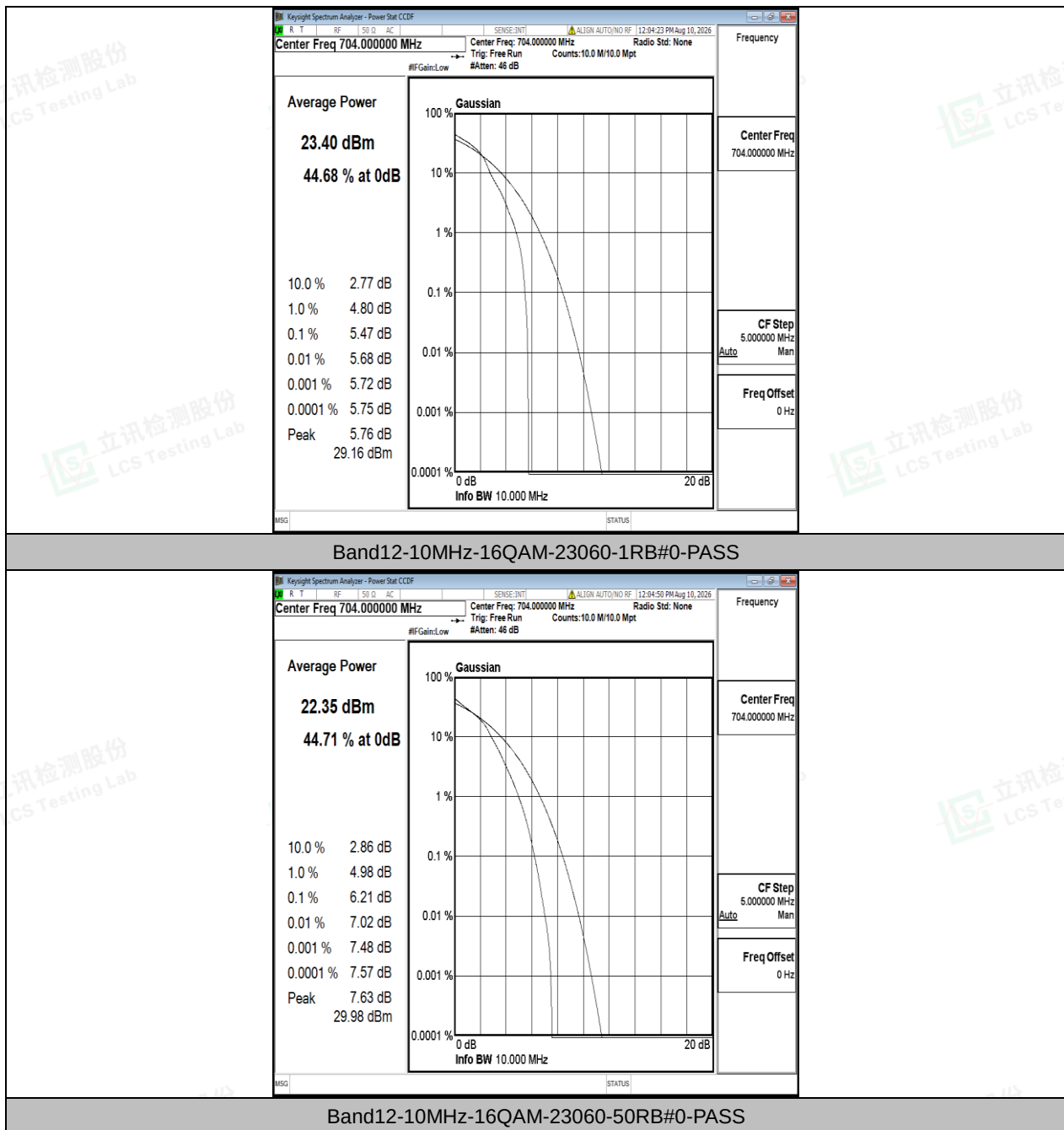


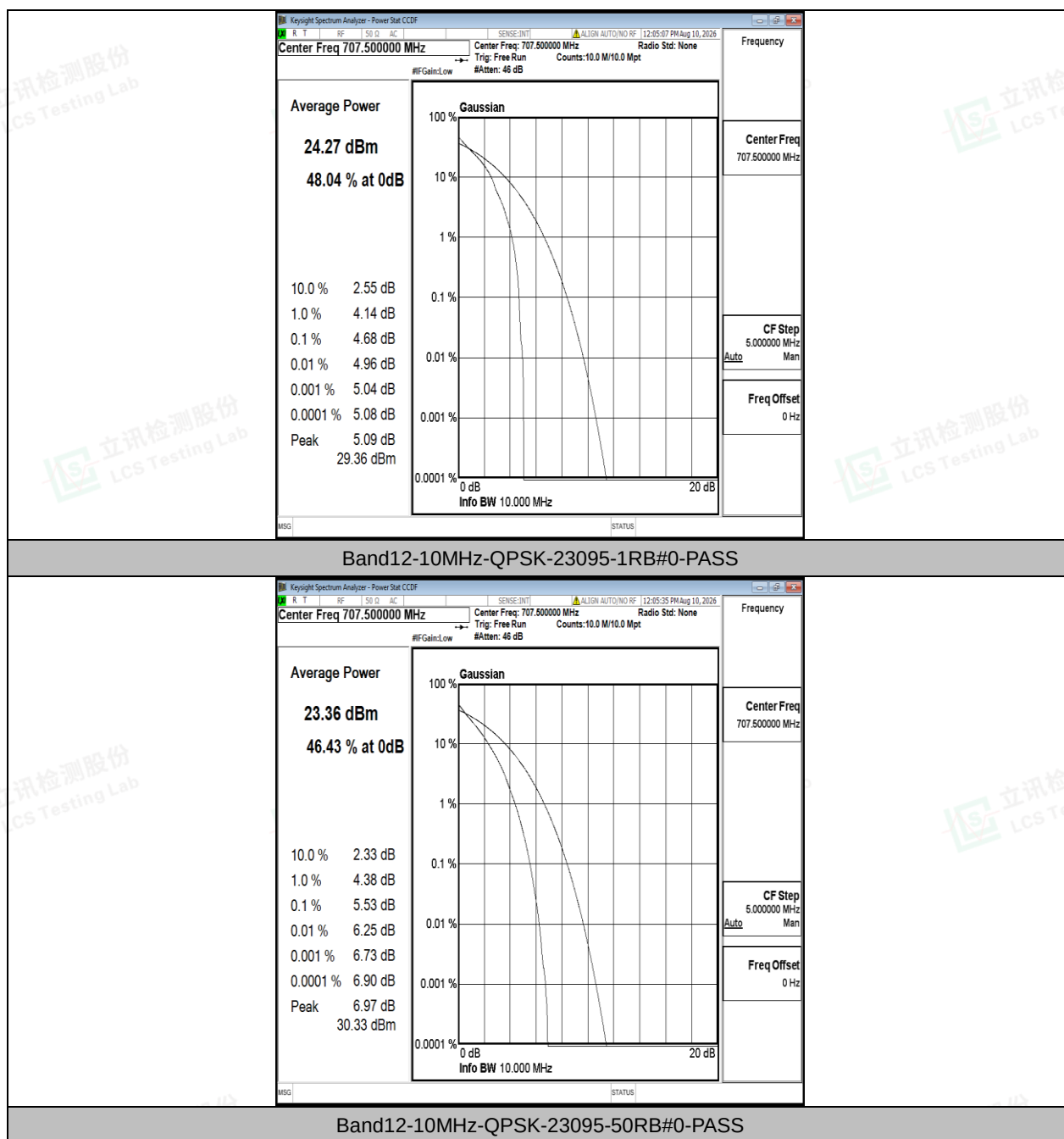


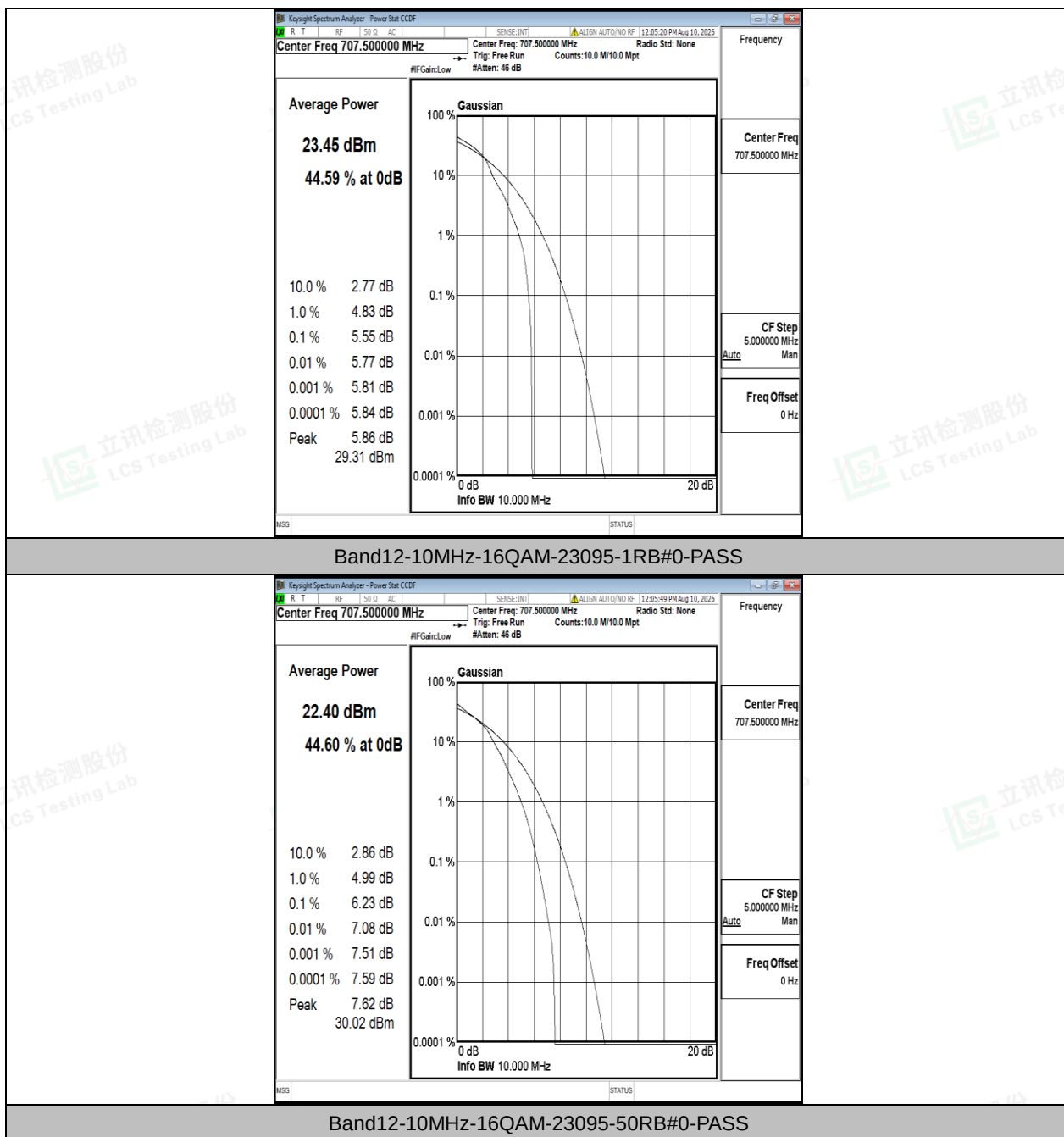


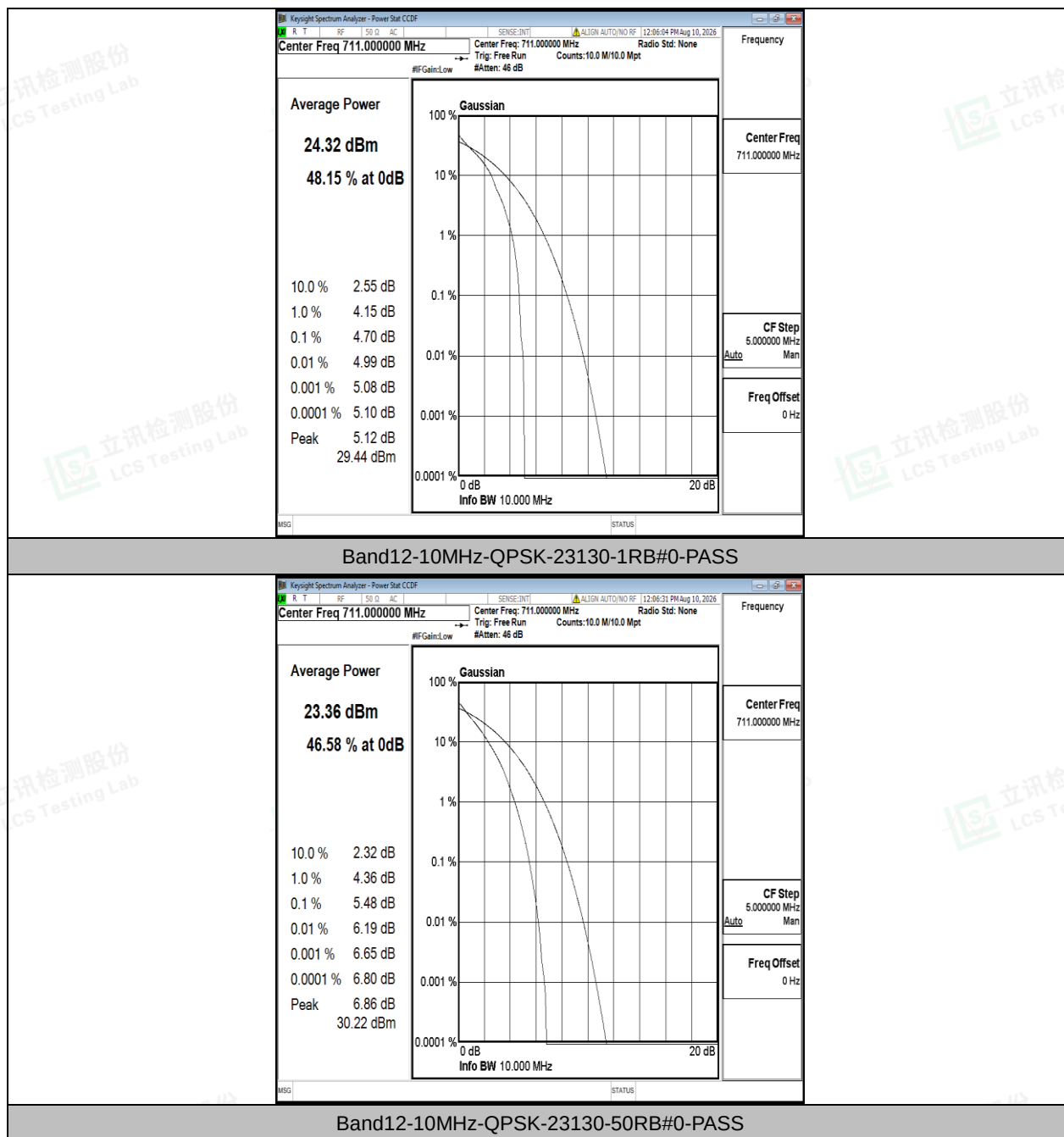


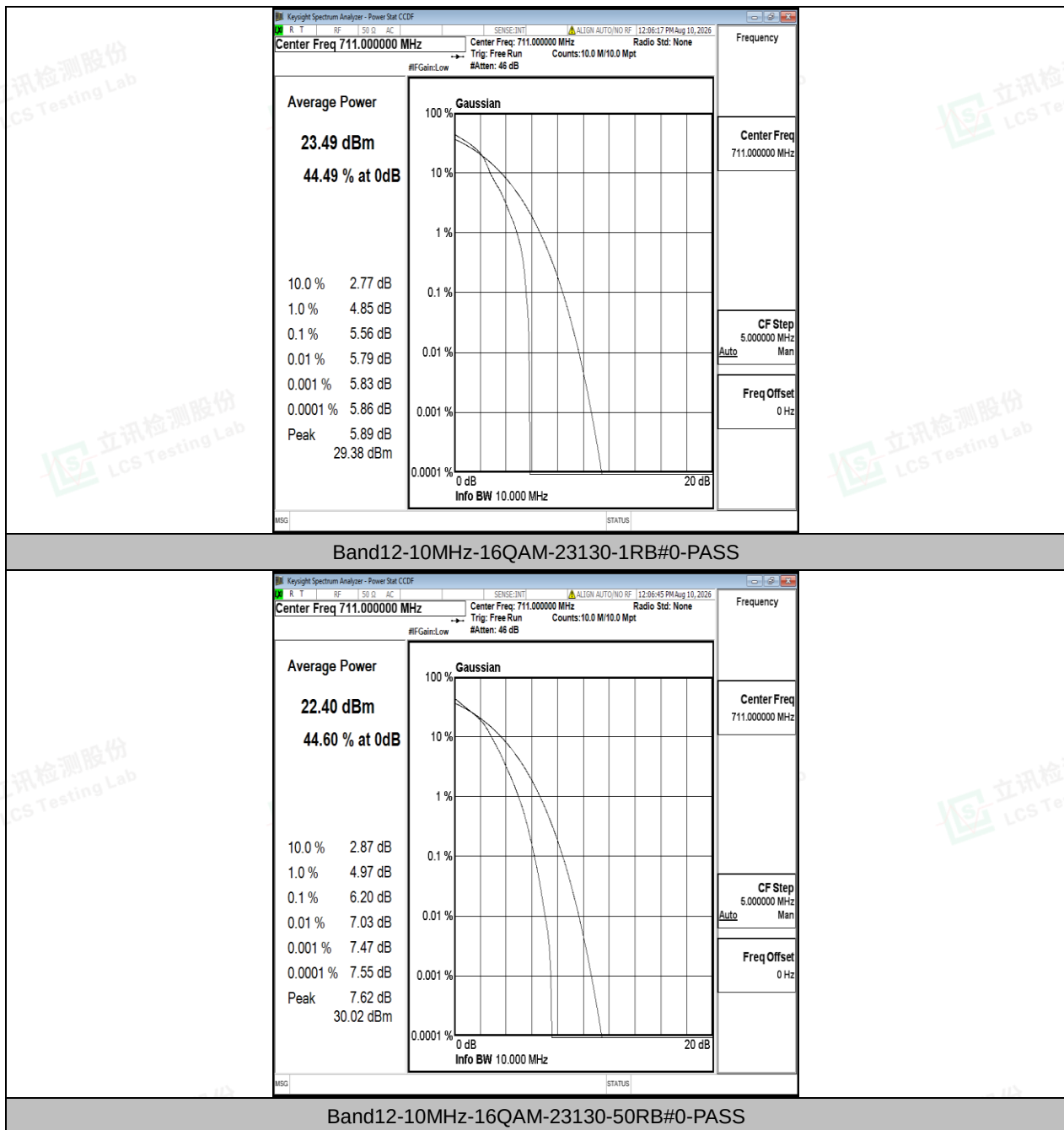














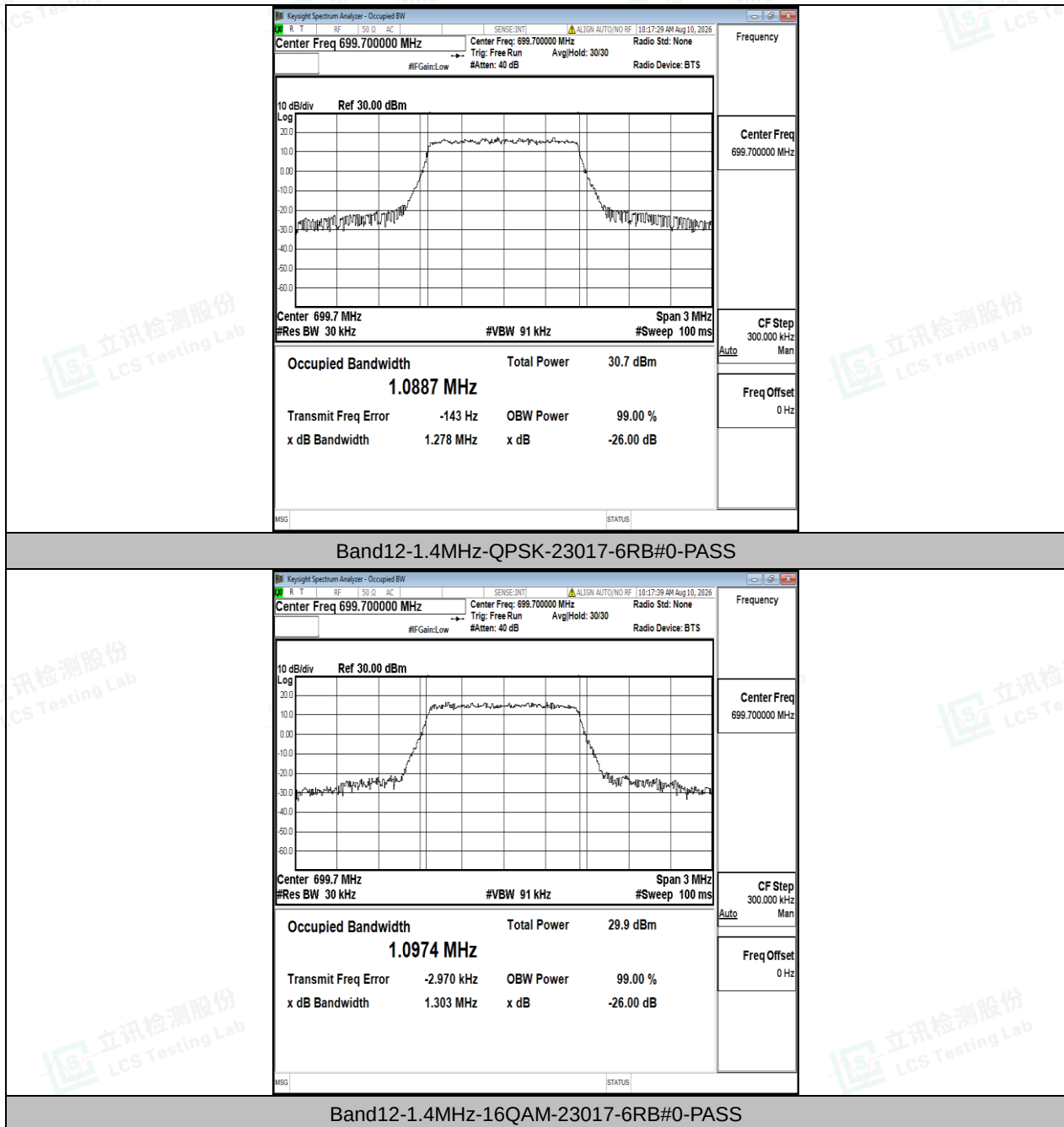
K.3 26dB Bandwidth and Occupied Bandwidth

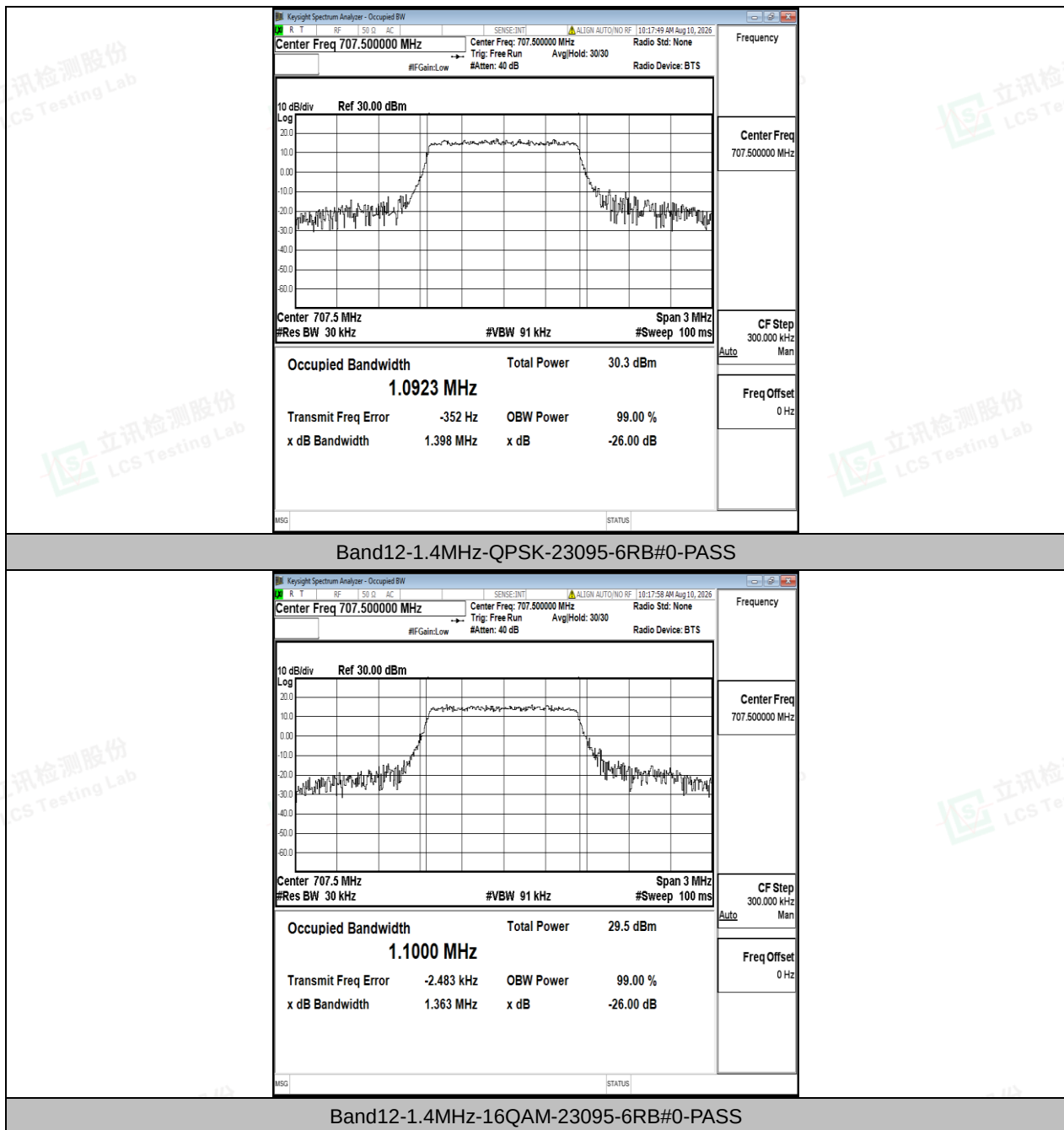
Test Result

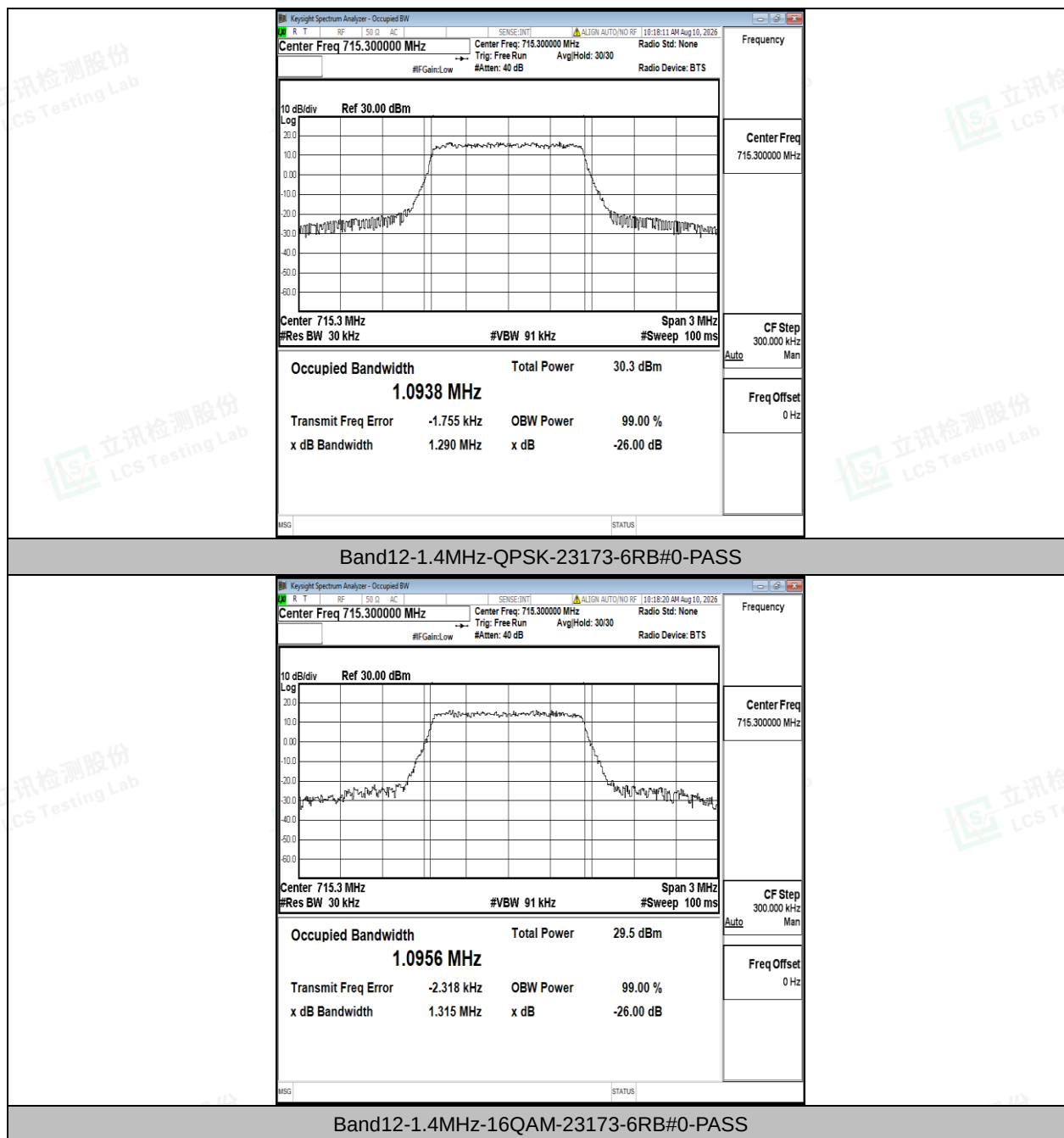
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	1.0887	1.278	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	1.0974	1.303	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	1.0923	1.398	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	1.1000	1.363	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	1.0938	1.290	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	1.0956	1.315	PASS
Band12	3MHz	QPSK	23025	15RB#0	2.7224	3.077	PASS
Band12	3MHz	16QAM	23025	15RB#0	2.7139	3.001	PASS
Band12	3MHz	QPSK	23095	15RB#0	2.7230	3.062	PASS
Band12	3MHz	16QAM	23095	15RB#0	2.7184	3.817	PASS
Band12	3MHz	QPSK	23165	15RB#0	2.7184	2.999	PASS
Band12	3MHz	16QAM	23165	15RB#0	2.7128	3.005	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.5300	5.171	PASS
Band12	5MHz	16QAM	23035	25RB#0	4.5110	5.146	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.5269	5.208	PASS
Band12	5MHz	16QAM	23095	25RB#0	4.5157	5.145	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.5335	5.199	PASS
Band12	5MHz	16QAM	23155	25RB#0	4.5183	5.117	PASS
Band12	10MHz	QPSK	23060	50RB#0	9.0166	10.22	PASS
Band12	10MHz	16QAM	23060	50RB#0	8.9952	10.05	PASS
Band12	10MHz	QPSK	23095	50RB#0	9.0216	10.20	PASS
Band12	10MHz	16QAM	23095	50RB#0	8.9908	10.05	PASS
Band12	10MHz	QPSK	23130	50RB#0	9.0168	10.26	PASS
Band12	10MHz	16QAM	23130	50RB#0	9.0013	10.02	PASS

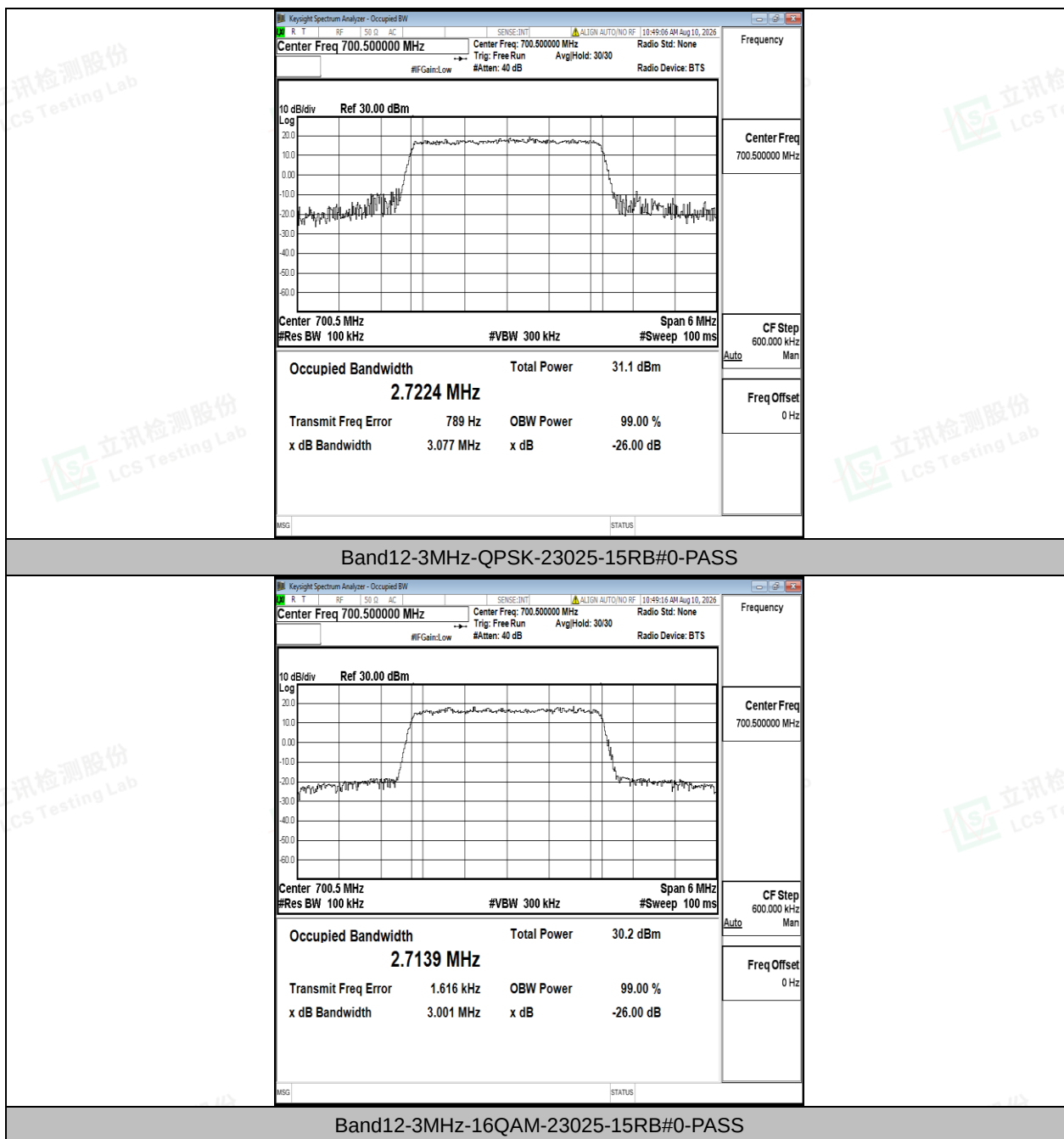


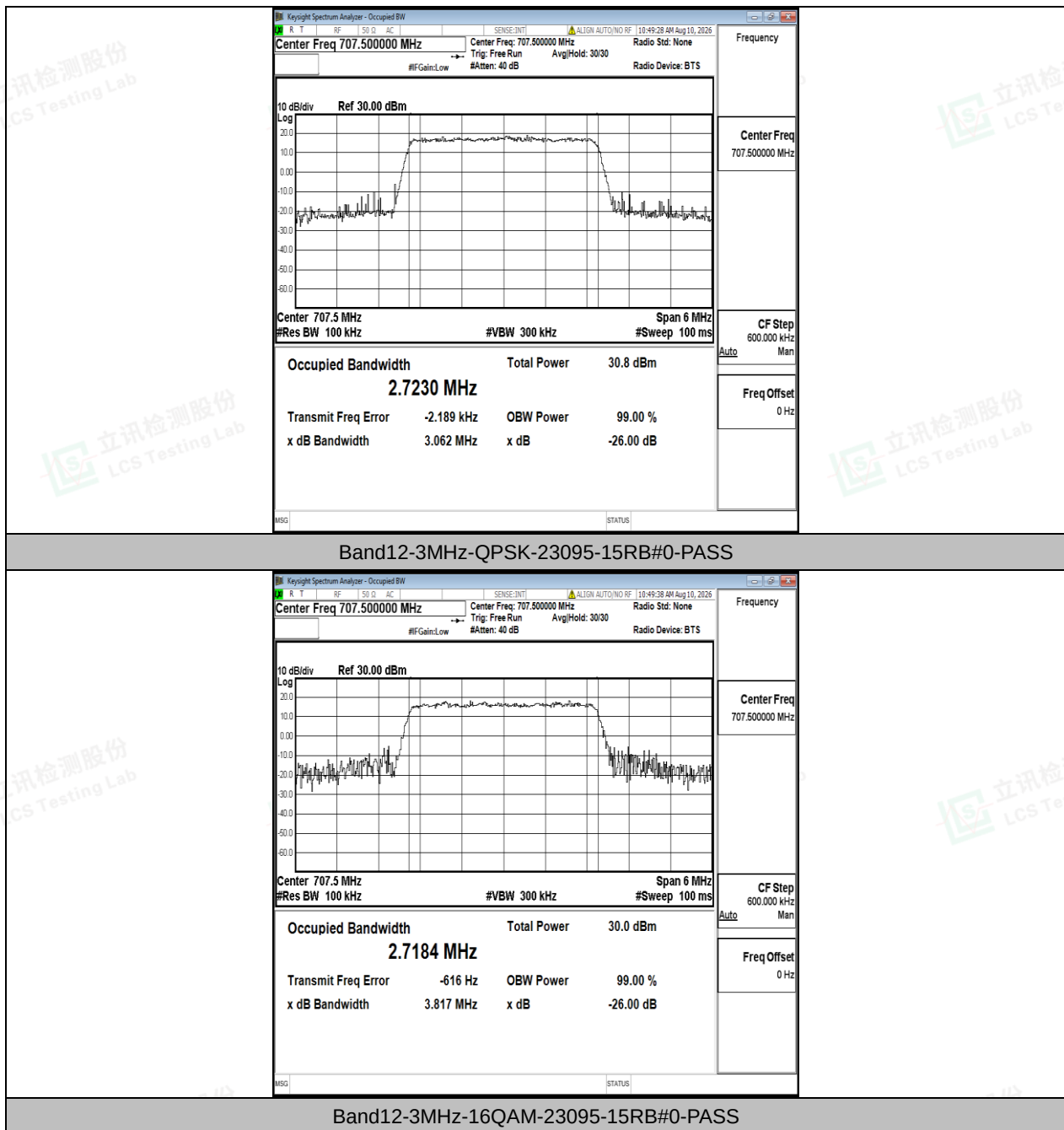
Test Graphs

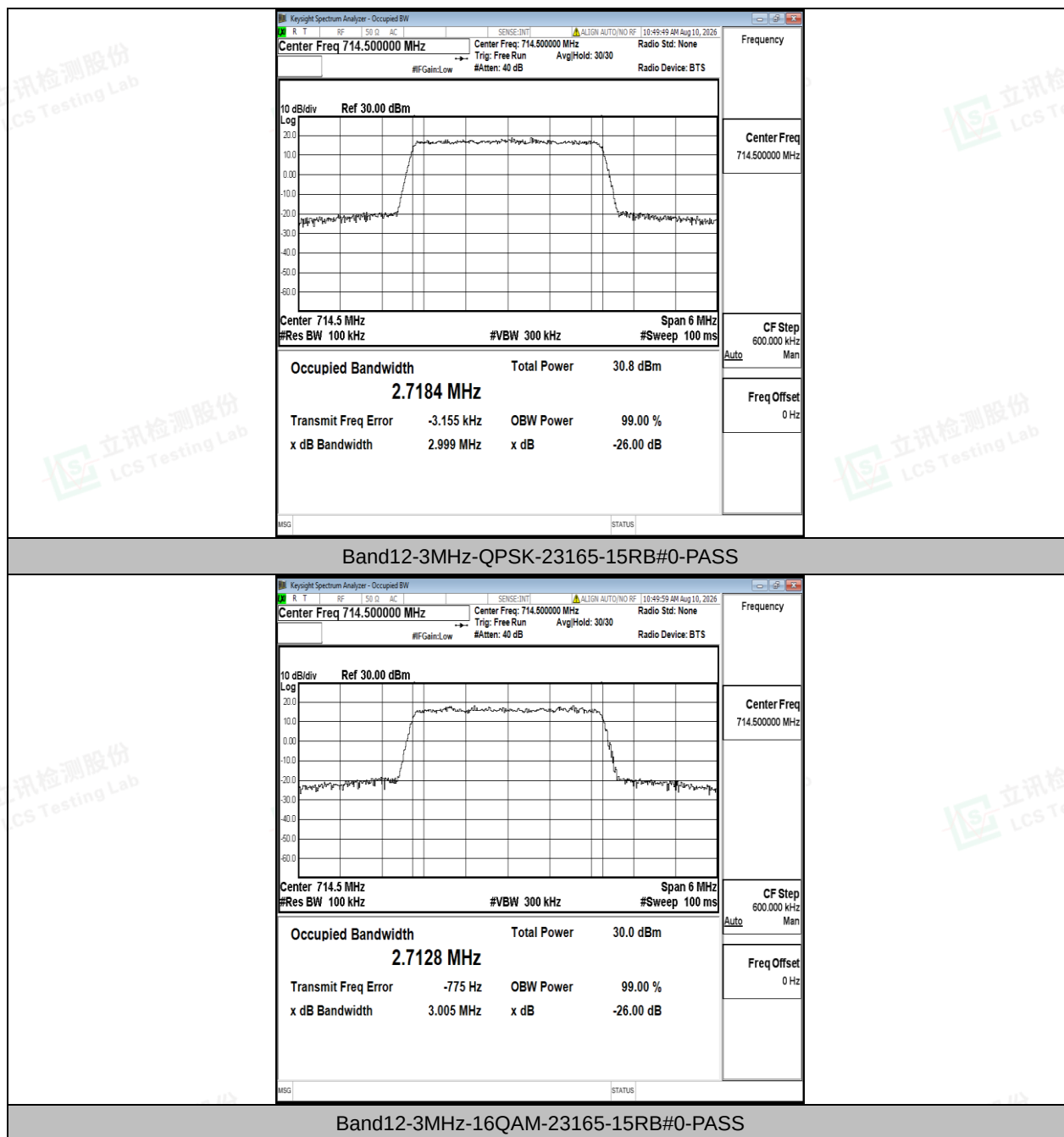


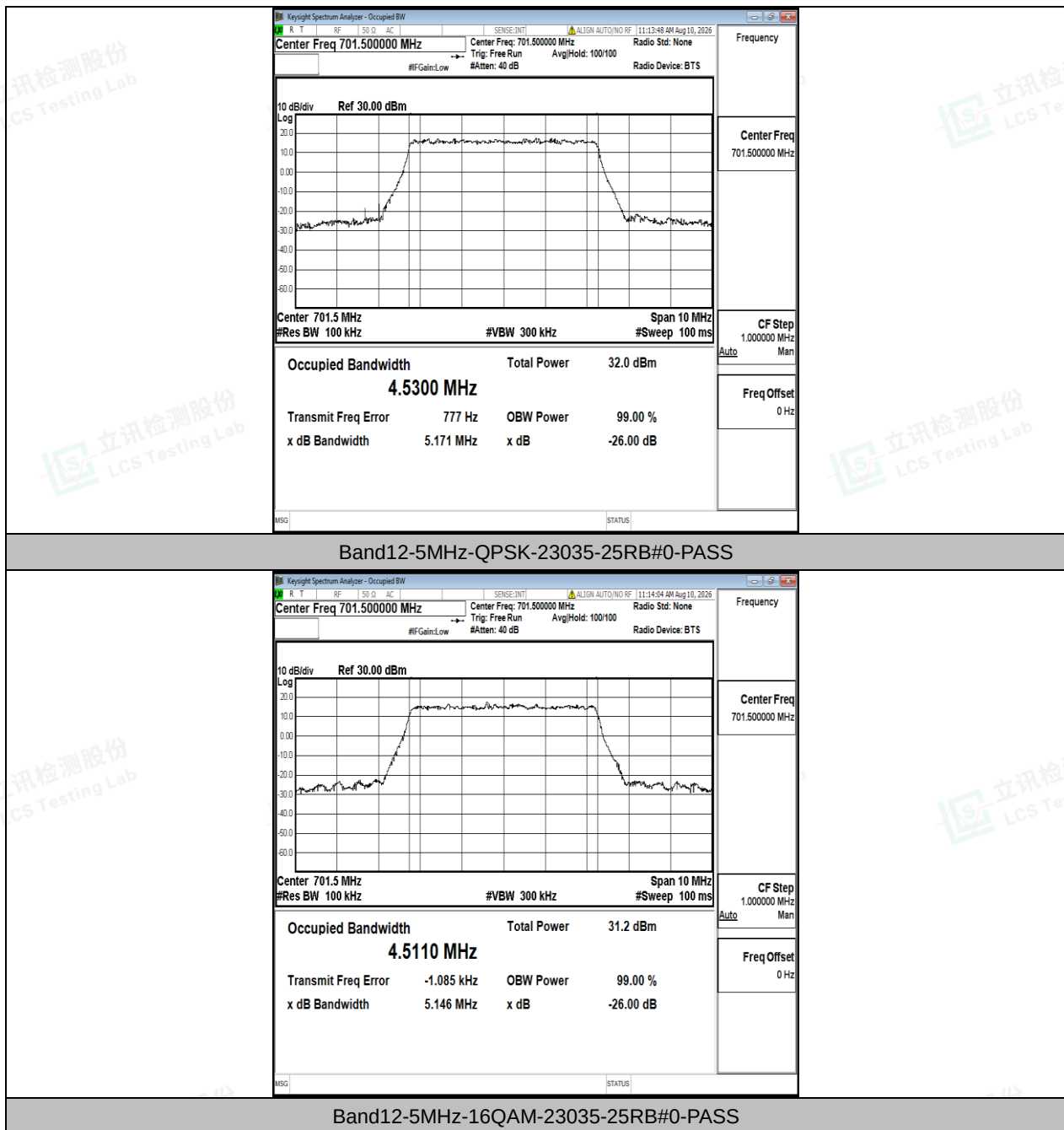


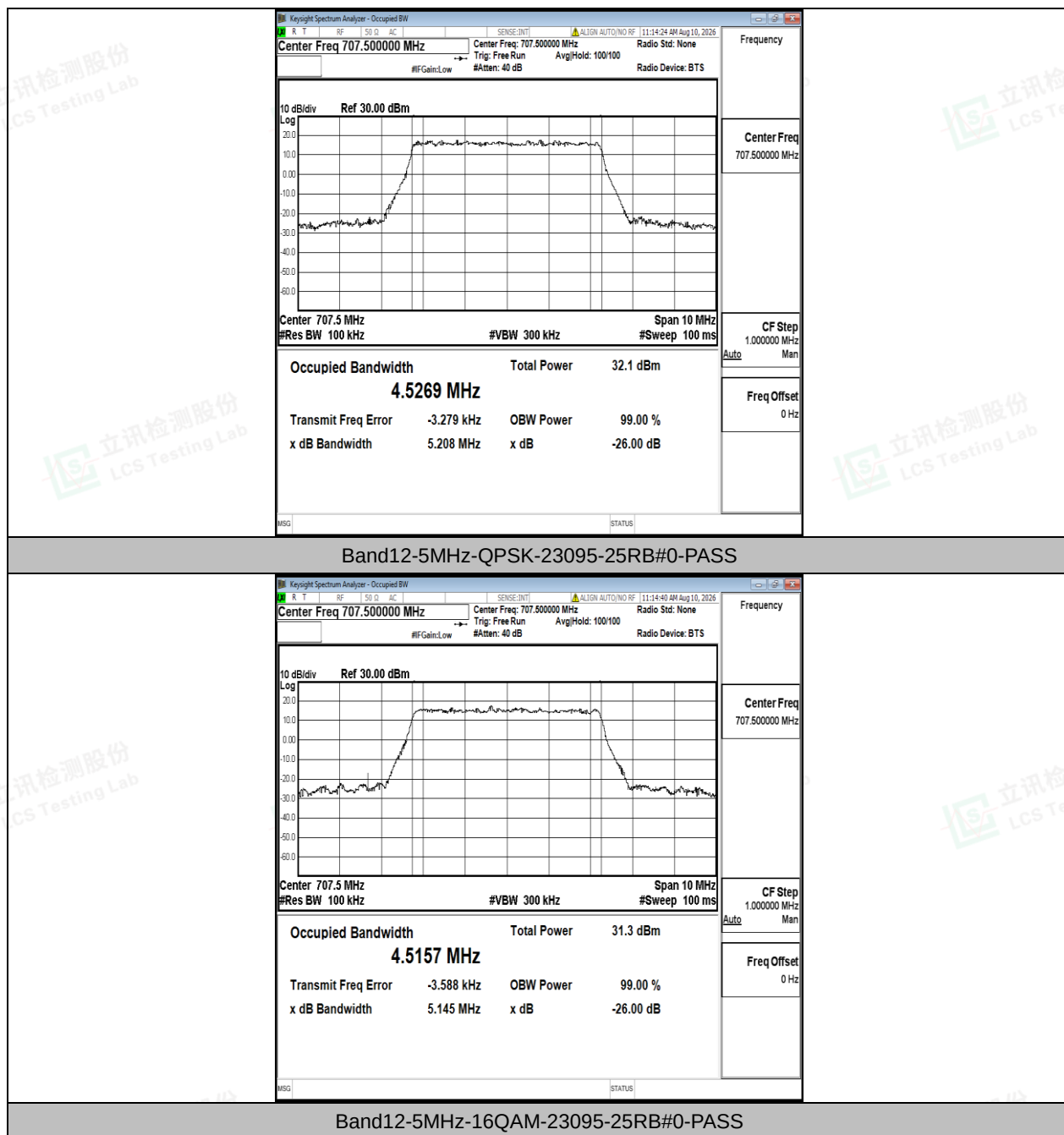


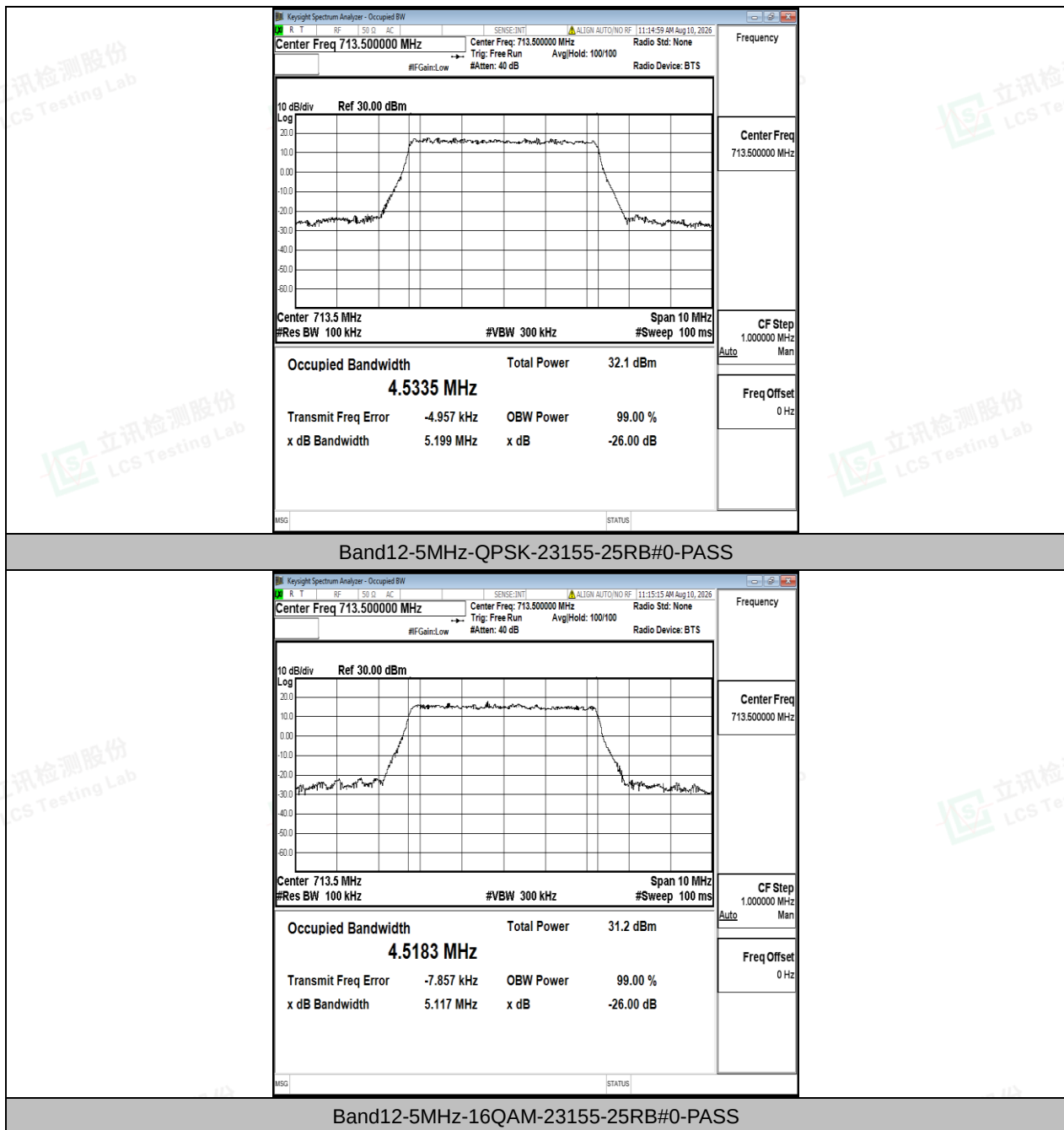




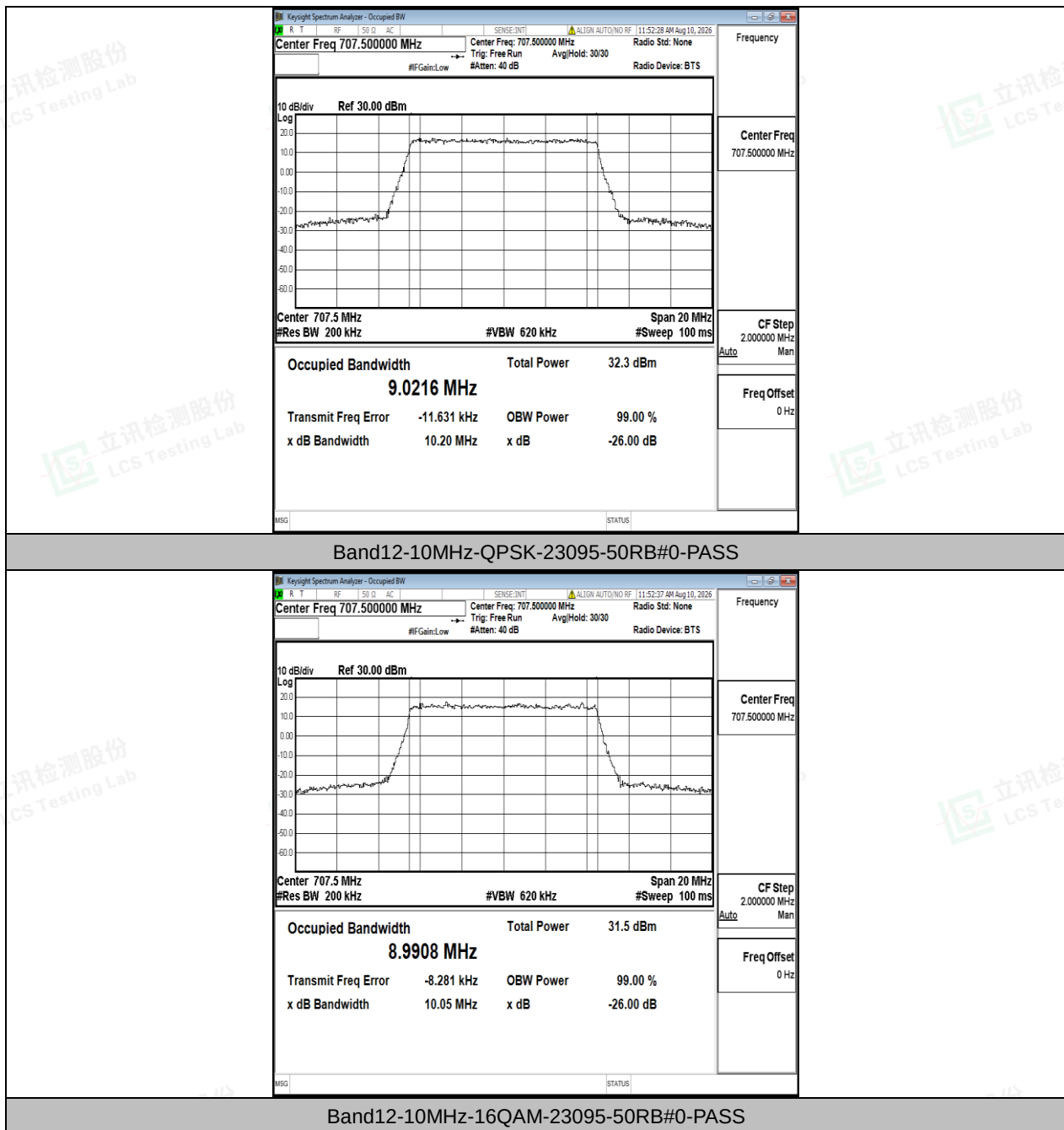


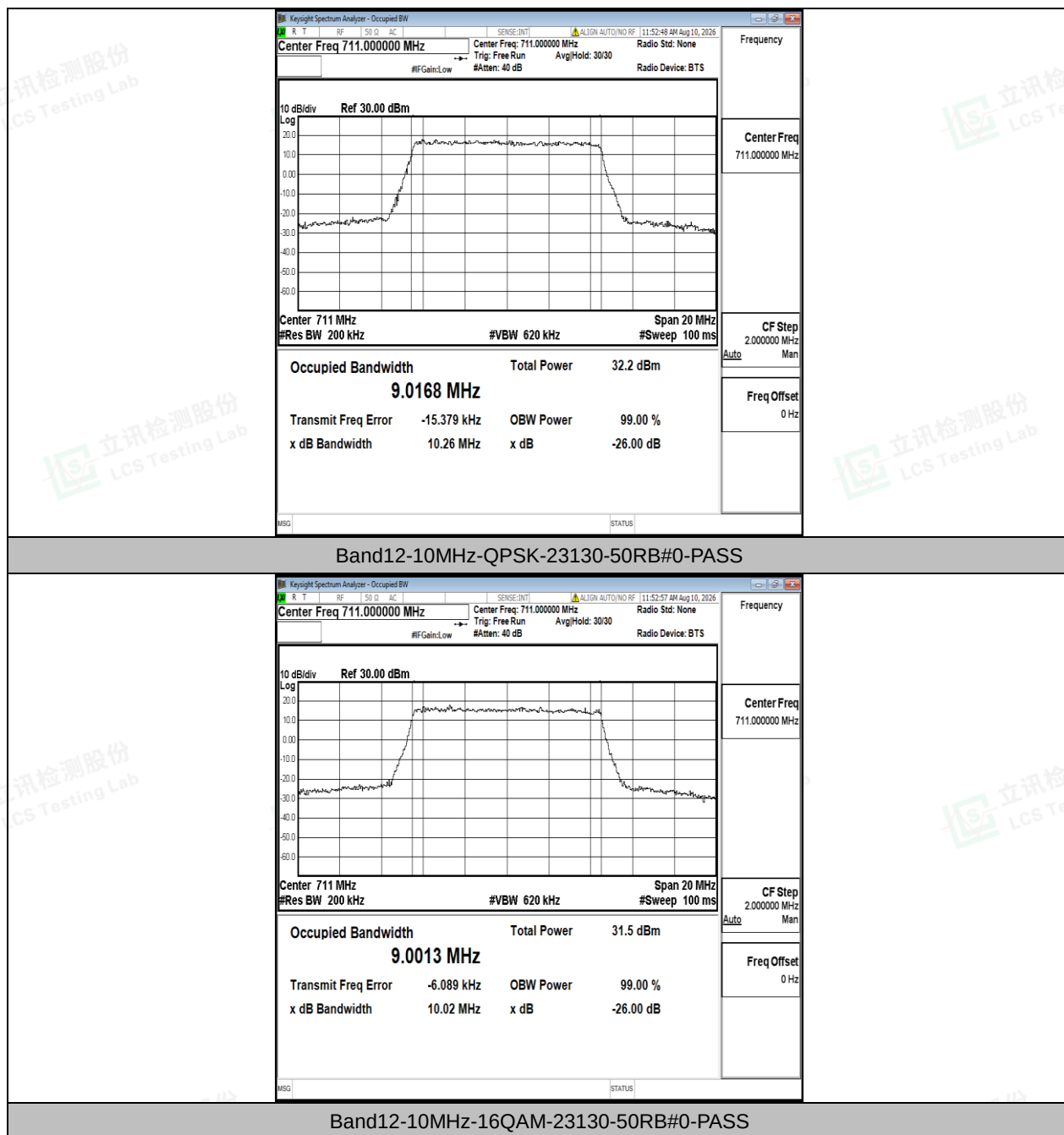














K.4 Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Peak Frequency	Result(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	699.00	-21.00	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	699.00	-22.00	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	716.00	-20.00	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	716.00	-22.00	PASS
Band12	3MHz	QPSK	23025	15RB#0	699.00	-37.00	PASS
Band12	3MHz	16QAM	23025	15RB#0	699.00	-38.00	PASS
Band12	3MHz	QPSK	23165	15RB#0	716.00	-35.00	PASS
Band12	3MHz	16QAM	23165	15RB#0	716.00	-34.00	PASS
Band12	5MHz	QPSK	23035	25RB#0	699.00	-19.00	PASS
Band12	5MHz	16QAM	23035	25RB#0	699.00	-22.00	PASS
Band12	5MHz	QPSK	23155	25RB#0	716.00	-20.00	PASS
Band12	5MHz	16QAM	23155	25RB#0	716.00	-21.00	PASS
Band12	10MHz	QPSK	23060	50RB#0	699.00	-24.00	PASS
Band12	10MHz	16QAM	23060	50RB#0	699.00	-28.00	PASS
Band12	10MHz	QPSK	23130	50RB#0	716.00	-27.00	PASS
Band12	10MHz	16QAM	23130	50RB#0	716.00	-29.00	PASS

Test Graphs

