



Appendix O: Test Data for E-UTRA Band 71

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



O.1 Conducted Output Power Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band71	5MHz	QPSK	133147	1RB#0	25.02	PASS
Band71	5MHz	QPSK	133147	1RB#12	25.10	PASS
Band71	5MHz	QPSK	133147	1RB#24	24.65	PASS
Band71	5MHz	QPSK	133147	12RB#0	23.62	PASS
Band71	5MHz	QPSK	133147	12RB#6	23.74	PASS
Band71	5MHz	QPSK	133147	12RB#13	23.60	PASS
Band71	5MHz	QPSK	133147	25RB#0	23.58	PASS
Band71	5MHz	16QAM	133147	1RB#0	24.07	PASS
Band71	5MHz	16QAM	133147	1RB#12	23.75	PASS
Band71	5MHz	16QAM	133147	1RB#24	23.75	PASS
Band71	5MHz	16QAM	133147	12RB#0	22.48	PASS
Band71	5MHz	16QAM	133147	12RB#6	22.67	PASS
Band71	5MHz	16QAM	133147	12RB#13	22.58	PASS
Band71	5MHz	16QAM	133147	25RB#0	22.77	PASS
Band71	5MHz	QPSK	133297	1RB#0	24.56	PASS
Band71	5MHz	QPSK	133297	1RB#12	25.03	PASS
Band71	5MHz	QPSK	133297	1RB#24	24.57	PASS
Band71	5MHz	QPSK	133297	12RB#0	23.54	PASS
Band71	5MHz	QPSK	133297	12RB#6	23.43	PASS
Band71	5MHz	QPSK	133297	12RB#13	23.45	PASS
Band71	5MHz	QPSK	133297	25RB#0	23.46	PASS
Band71	5MHz	16QAM	133297	1RB#0	22.99	PASS
Band71	5MHz	16QAM	133297	1RB#12	23.43	PASS
Band71	5MHz	16QAM	133297	1RB#24	23.03	PASS
Band71	5MHz	16QAM	133297	12RB#0	22.67	PASS
Band71	5MHz	16QAM	133297	12RB#6	22.62	PASS
Band71	5MHz	16QAM	133297	12RB#13	22.31	PASS
Band71	5MHz	16QAM	133297	25RB#0	22.60	PASS
Band71	5MHz	QPSK	133447	1RB#0	24.80	PASS
Band71	5MHz	QPSK	133447	1RB#12	24.91	PASS
Band71	5MHz	QPSK	133447	1RB#24	24.53	PASS
Band71	5MHz	QPSK	133447	12RB#0	23.67	PASS
Band71	5MHz	QPSK	133447	12RB#6	23.76	PASS
Band71	5MHz	QPSK	133447	12RB#13	23.78	PASS
Band71	5MHz	QPSK	133447	25RB#0	23.71	PASS
Band71	5MHz	16QAM	133447	1RB#0	23.57	PASS
Band71	5MHz	16QAM	133447	1RB#12	23.68	PASS



Band71	5MHz	16QAM	133447	1RB#24	23.25	PASS
Band71	5MHz	16QAM	133447	12RB#0	22.65	PASS
Band71	5MHz	16QAM	133447	12RB#6	22.79	PASS
Band71	5MHz	16QAM	133447	12RB#13	22.64	PASS
Band71	5MHz	16QAM	133447	25RB#0	22.80	PASS
Band71	10MHz	QPSK	133172	1RB#0	24.65	PASS
Band71	10MHz	QPSK	133172	1RB#24	24.58	PASS
Band71	10MHz	QPSK	133172	1RB#49	24.51	PASS
Band71	10MHz	QPSK	133172	25RB#0	23.58	PASS
Band71	10MHz	QPSK	133172	25RB#12	23.60	PASS
Band71	10MHz	QPSK	133172	25RB#25	23.51	PASS
Band71	10MHz	QPSK	133172	50RB#0	23.47	PASS
Band71	10MHz	16QAM	133172	1RB#0	23.83	PASS
Band71	10MHz	16QAM	133172	1RB#24	23.97	PASS
Band71	10MHz	16QAM	133172	1RB#49	23.79	PASS
Band71	10MHz	16QAM	133172	25RB#0	22.79	PASS
Band71	10MHz	16QAM	133172	25RB#12	22.63	PASS
Band71	10MHz	16QAM	133172	25RB#25	22.65	PASS
Band71	10MHz	16QAM	133172	50RB#0	22.52	PASS
Band71	10MHz	QPSK	133297	1RB#0	24.51	PASS
Band71	10MHz	QPSK	133297	1RB#24	24.46	PASS
Band71	10MHz	QPSK	133297	1RB#49	24.70	PASS
Band71	10MHz	QPSK	133297	25RB#0	23.43	PASS
Band71	10MHz	QPSK	133297	25RB#12	23.42	PASS
Band71	10MHz	QPSK	133297	25RB#25	23.51	PASS
Band71	10MHz	QPSK	133297	50RB#0	23.39	PASS
Band71	10MHz	16QAM	133297	1RB#0	23.76	PASS
Band71	10MHz	16QAM	133297	1RB#24	23.19	PASS
Band71	10MHz	16QAM	133297	1RB#49	23.90	PASS
Band71	10MHz	16QAM	133297	25RB#0	22.50	PASS
Band71	10MHz	16QAM	133297	25RB#12	22.54	PASS
Band71	10MHz	16QAM	133297	25RB#25	22.57	PASS
Band71	10MHz	16QAM	133297	50RB#0	22.51	PASS
Band71	10MHz	QPSK	133422	1RB#0	24.44	PASS
Band71	10MHz	QPSK	133422	1RB#24	24.57	PASS
Band71	10MHz	QPSK	133422	1RB#49	24.58	PASS
Band71	10MHz	QPSK	133422	25RB#0	23.61	PASS
Band71	10MHz	QPSK	133422	25RB#12	23.66	PASS
Band71	10MHz	QPSK	133422	25RB#25	23.61	PASS
Band71	10MHz	QPSK	133422	50RB#0	23.50	PASS
Band71	10MHz	16QAM	133422	1RB#0	23.42	PASS
Band71	10MHz	16QAM	133422	1RB#24	23.79	PASS
Band71	10MHz	16QAM	133422	1RB#49	23.65	PASS



Band71	10MHz	16QAM	133422	25RB#0	22.67	PASS
Band71	10MHz	16QAM	133422	25RB#12	22.67	PASS
Band71	10MHz	16QAM	133422	25RB#25	22.70	PASS
Band71	10MHz	16QAM	133422	50RB#0	22.57	PASS
Band71	15MHz	QPSK	133197	1RB#0	24.69	PASS
Band71	15MHz	QPSK	133197	1RB#38	24.78	PASS
Band71	15MHz	QPSK	133197	1RB#74	24.88	PASS
Band71	15MHz	QPSK	133197	38RB#0	23.66	PASS
Band71	15MHz	QPSK	133197	38RB#18	23.56	PASS
Band71	15MHz	QPSK	133197	38RB#37	23.55	PASS
Band71	15MHz	QPSK	133197	75RB#0	23.46	PASS
Band71	15MHz	16QAM	133197	1RB#0	24.11	PASS
Band71	15MHz	16QAM	133197	1RB#38	23.40	PASS
Band71	15MHz	16QAM	133197	1RB#74	23.94	PASS
Band71	15MHz	16QAM	133197	38RB#0	22.65	PASS
Band71	15MHz	16QAM	133197	38RB#18	22.73	PASS
Band71	15MHz	16QAM	133197	38RB#37	22.47	PASS
Band71	15MHz	16QAM	133197	75RB#0	22.59	PASS
Band71	15MHz	QPSK	133297	1RB#0	24.46	PASS
Band71	15MHz	QPSK	133297	1RB#38	24.54	PASS
Band71	15MHz	QPSK	133297	1RB#74	24.42	PASS
Band71	15MHz	QPSK	133297	38RB#0	23.45	PASS
Band71	15MHz	QPSK	133297	38RB#18	23.44	PASS
Band71	15MHz	QPSK	133297	38RB#37	23.44	PASS
Band71	15MHz	QPSK	133297	75RB#0	23.40	PASS
Band71	15MHz	16QAM	133297	1RB#0	23.20	PASS
Band71	15MHz	16QAM	133297	1RB#38	23.77	PASS
Band71	15MHz	16QAM	133297	1RB#74	23.30	PASS
Band71	15MHz	16QAM	133297	38RB#0	22.47	PASS
Band71	15MHz	16QAM	133297	38RB#18	22.37	PASS
Band71	15MHz	16QAM	133297	38RB#37	22.47	PASS
Band71	15MHz	16QAM	133297	75RB#0	22.49	PASS
Band71	15MHz	QPSK	133397	1RB#0	24.42	PASS
Band71	15MHz	QPSK	133397	1RB#38	24.36	PASS
Band71	15MHz	QPSK	133397	1RB#74	24.46	PASS
Band71	15MHz	QPSK	133397	38RB#0	23.36	PASS
Band71	15MHz	QPSK	133397	38RB#18	23.45	PASS
Band71	15MHz	QPSK	133397	38RB#37	23.56	PASS
Band71	15MHz	QPSK	133397	75RB#0	23.53	PASS
Band71	15MHz	16QAM	133397	1RB#0	23.26	PASS
Band71	15MHz	16QAM	133397	1RB#38	23.51	PASS
Band71	15MHz	16QAM	133397	1RB#74	23.38	PASS
Band71	15MHz	16QAM	133397	38RB#0	22.60	PASS



Band71	15MHz	16QAM	133397	38RB#18	22.49	PASS
Band71	15MHz	16QAM	133397	38RB#37	22.79	PASS
Band71	15MHz	16QAM	133397	75RB#0	22.54	PASS
Band71	20MHz	QPSK	133222	1RB#0	24.93	PASS
Band71	20MHz	QPSK	133222	1RB#49	25.05	PASS
Band71	20MHz	QPSK	133222	1RB#99	24.79	PASS
Band71	20MHz	QPSK	133222	50RB#0	23.71	PASS
Band71	20MHz	QPSK	133222	50RB#25	23.78	PASS
Band71	20MHz	QPSK	133222	50RB#50	23.77	PASS
Band71	20MHz	QPSK	133222	100RB#0	23.75	PASS
Band71	20MHz	16QAM	133222	1RB#0	23.95	PASS
Band71	20MHz	16QAM	133222	1RB#49	24.38	PASS
Band71	20MHz	16QAM	133222	1RB#99	24.07	PASS
Band71	20MHz	16QAM	133222	50RB#0	22.83	PASS
Band71	20MHz	16QAM	133222	50RB#25	22.85	PASS
Band71	20MHz	16QAM	133222	50RB#50	22.81	PASS
Band71	20MHz	16QAM	133222	100RB#0	22.85	PASS
Band71	20MHz	QPSK	133322	1RB#0	24.44	PASS
Band71	20MHz	QPSK	133322	1RB#49	24.76	PASS
Band71	20MHz	QPSK	133322	1RB#99	24.83	PASS
Band71	20MHz	QPSK	133322	50RB#0	23.58	PASS
Band71	20MHz	QPSK	133322	50RB#25	23.81	PASS
Band71	20MHz	QPSK	133322	50RB#50	23.82	PASS
Band71	20MHz	QPSK	133322	100RB#0	23.77	PASS
Band71	20MHz	16QAM	133322	1RB#0	23.81	PASS
Band71	20MHz	16QAM	133322	1RB#49	23.62	PASS
Band71	20MHz	16QAM	133322	1RB#99	23.92	PASS
Band71	20MHz	16QAM	133322	50RB#0	22.87	PASS
Band71	20MHz	16QAM	133322	50RB#25	22.90	PASS
Band71	20MHz	16QAM	133322	50RB#50	23.02	PASS
Band71	20MHz	16QAM	133322	100RB#0	22.85	PASS
Band71	20MHz	QPSK	133372	1RB#0	24.60	PASS
Band71	20MHz	QPSK	133372	1RB#49	24.75	PASS
Band71	20MHz	QPSK	133372	1RB#99	24.64	PASS
Band71	20MHz	QPSK	133372	50RB#0	23.57	PASS
Band71	20MHz	QPSK	133372	50RB#25	23.75	PASS
Band71	20MHz	QPSK	133372	50RB#50	23.76	PASS
Band71	20MHz	QPSK	133372	100RB#0	23.74	PASS
Band71	20MHz	16QAM	133372	1RB#0	23.88	PASS
Band71	20MHz	16QAM	133372	1RB#49	24.38	PASS
Band71	20MHz	16QAM	133372	1RB#99	24.09	PASS
Band71	20MHz	16QAM	133372	50RB#0	22.69	PASS
Band71	20MHz	16QAM	133372	50RB#25	22.89	PASS



Band71	20MHz	16QAM	133372	50RB#50	22.88	PASS
Band71	20MHz	16QAM	133372	100RB#0	22.83	PASS



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

Test Result

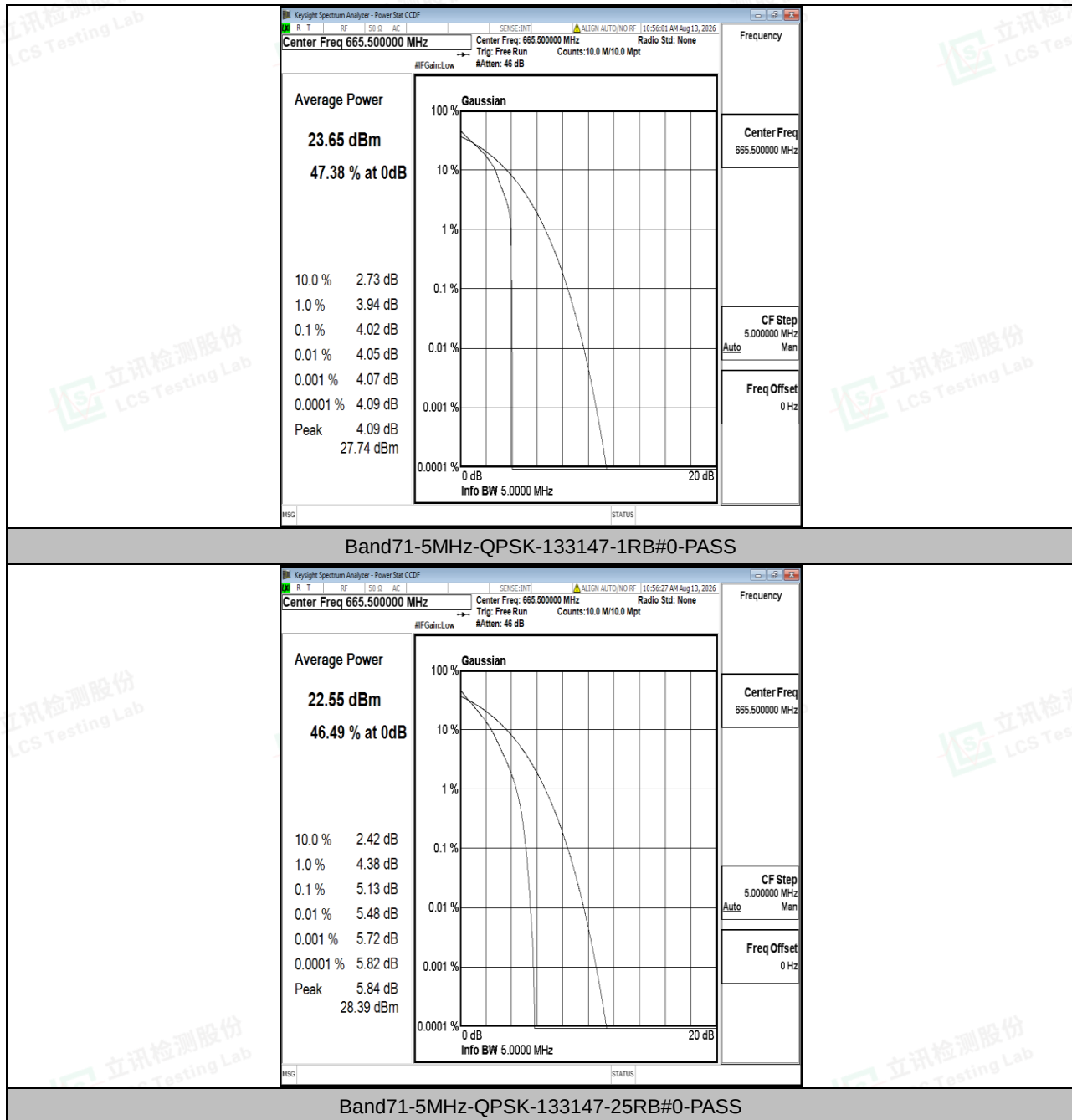
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band71	5MHz	QPSK	133147	1RB#0	4.02	13	PASS
Band71	5MHz	QPSK	133147	25RB#0	5.13	13	PASS
Band71	5MHz	16QAM	133147	1RB#0	5.29	13	PASS
Band71	5MHz	16QAM	133147	25RB#0	5.92	13	PASS
Band71	5MHz	QPSK	133297	1RB#0	4.56	13	PASS
Band71	5MHz	QPSK	133297	25RB#0	5.31	13	PASS
Band71	5MHz	16QAM	133297	1RB#0	5.54	13	PASS
Band71	5MHz	16QAM	133297	25RB#0	6.09	13	PASS
Band71	5MHz	QPSK	133447	1RB#0	4.26	13	PASS
Band71	5MHz	QPSK	133447	25RB#0	5.17	13	PASS
Band71	5MHz	16QAM	133447	1RB#0	5.24	13	PASS
Band71	5MHz	16QAM	133447	25RB#0	5.92	13	PASS
Band71	10MHz	QPSK	133172	1RB#0	4.19	13	PASS
Band71	10MHz	QPSK	133172	50RB#0	5.14	13	PASS
Band71	10MHz	16QAM	133172	1RB#0	5.03	13	PASS
Band71	10MHz	16QAM	133172	50RB#0	5.97	13	PASS
Band71	10MHz	QPSK	133297	1RB#0	4.46	13	PASS
Band71	10MHz	QPSK	133297	50RB#0	5.30	13	PASS
Band71	10MHz	16QAM	133297	1RB#0	5.42	13	PASS
Band71	10MHz	16QAM	133297	50RB#0	6.07	13	PASS
Band71	10MHz	QPSK	133422	1RB#0	4.34	13	PASS
Band71	10MHz	QPSK	133422	50RB#0	5.12	13	PASS
Band71	10MHz	16QAM	133422	1RB#0	5.22	13	PASS
Band71	10MHz	16QAM	133422	50RB#0	5.88	13	PASS
Band71	15MHz	QPSK	133197	1RB#0	4.31	13	PASS
Band71	15MHz	QPSK	133197	75RB#0	4.94	13	PASS
Band71	15MHz	16QAM	133197	1RB#0	5.43	13	PASS
Band71	15MHz	16QAM	133197	75RB#0	5.91	13	PASS
Band71	15MHz	QPSK	133297	1RB#0	4.49	13	PASS
Band71	15MHz	QPSK	133297	75RB#0	5.16	13	PASS
Band71	15MHz	16QAM	133297	1RB#0	5.52	13	PASS
Band71	15MHz	16QAM	133297	75RB#0	6.02	13	PASS
Band71	15MHz	QPSK	133397	1RB#0	4.66	13	PASS
Band71	15MHz	QPSK	133397	75RB#0	4.89	13	PASS
Band71	15MHz	16QAM	133397	1RB#0	5.62	13	PASS
Band71	15MHz	16QAM	133397	75RB#0	5.86	13	PASS

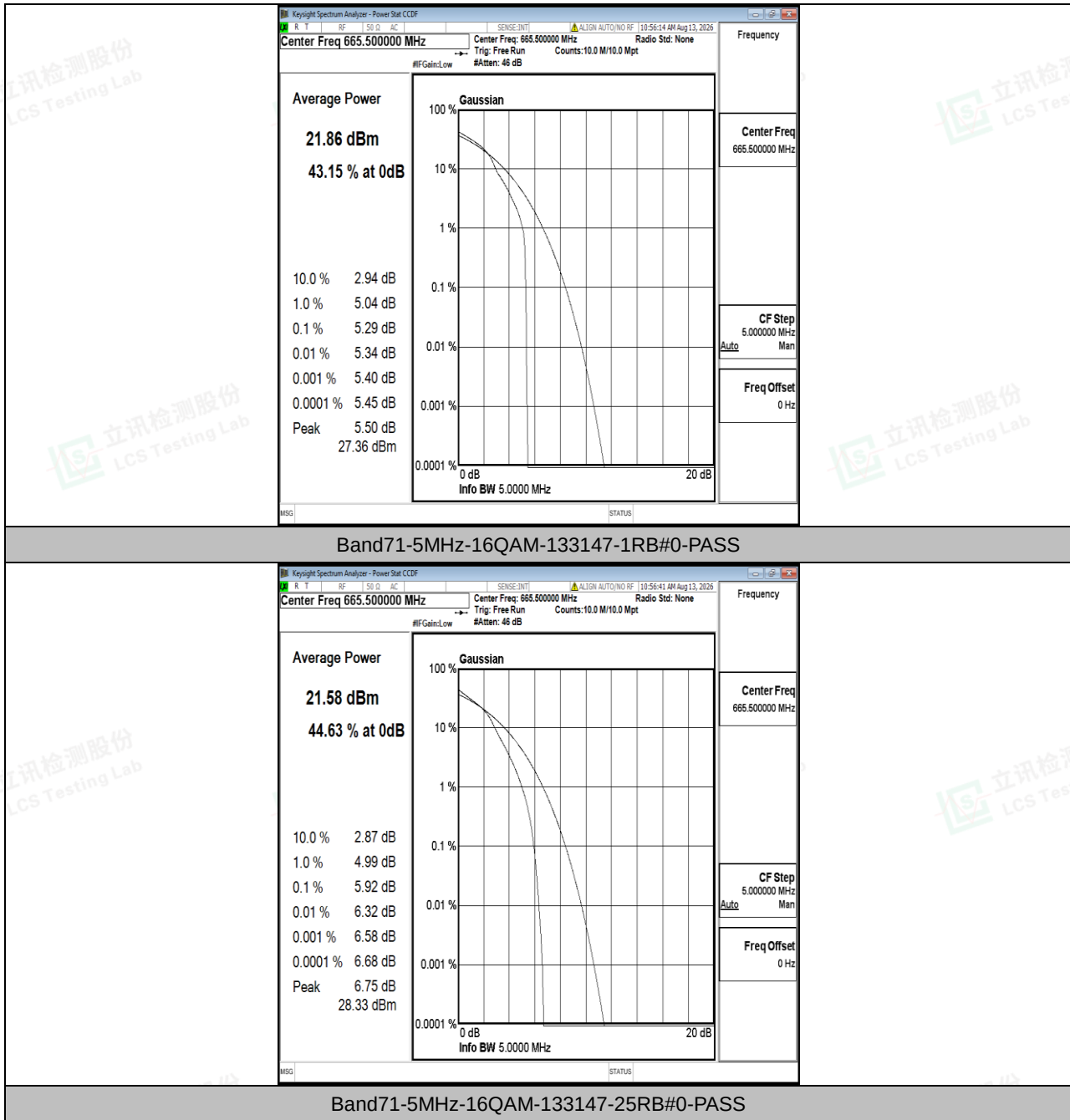


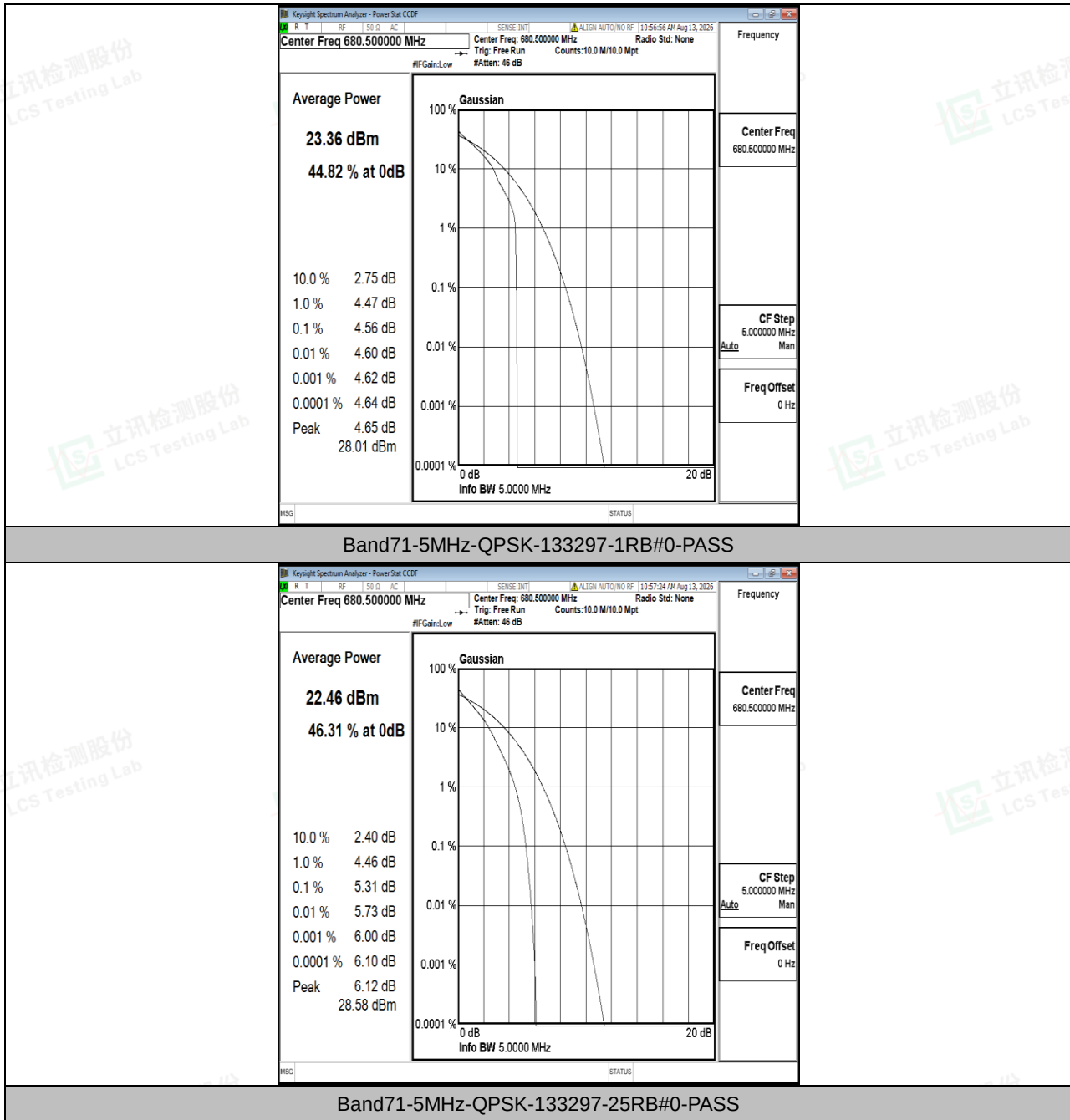
Band71	20MHz	QPSK	133222	1RB#0	4.30	13	PASS
Band71	20MHz	QPSK	133222	100RB#0	5.13	13	PASS
Band71	20MHz	16QAM	133222	1RB#0	5.02	13	PASS
Band71	20MHz	16QAM	133222	100RB#0	5.97	13	PASS
Band71	20MHz	QPSK	133322	1RB#0	4.47	13	PASS
Band71	20MHz	QPSK	133322	100RB#0	5.16	13	PASS
Band71	20MHz	16QAM	133322	1RB#0	5.12	13	PASS
Band71	20MHz	16QAM	133322	100RB#0	6.02	13	PASS
Band71	20MHz	QPSK	133372	1RB#0	4.56	13	PASS
Band71	20MHz	QPSK	133372	100RB#0	5.00	13	PASS
Band71	20MHz	16QAM	133372	1RB#0	5.33	13	PASS
Band71	20MHz	16QAM	133372	100RB#0	5.87	13	PASS

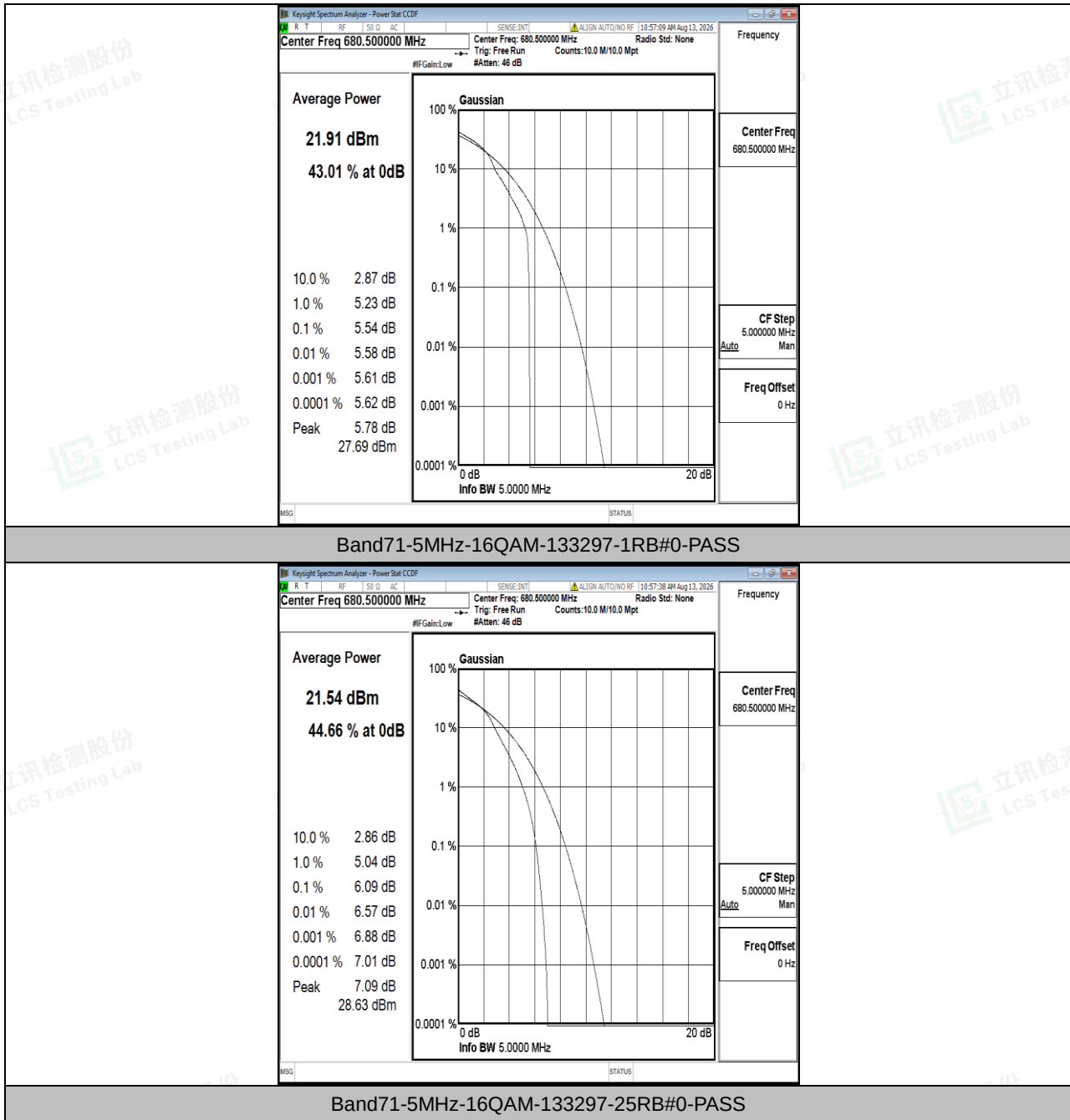


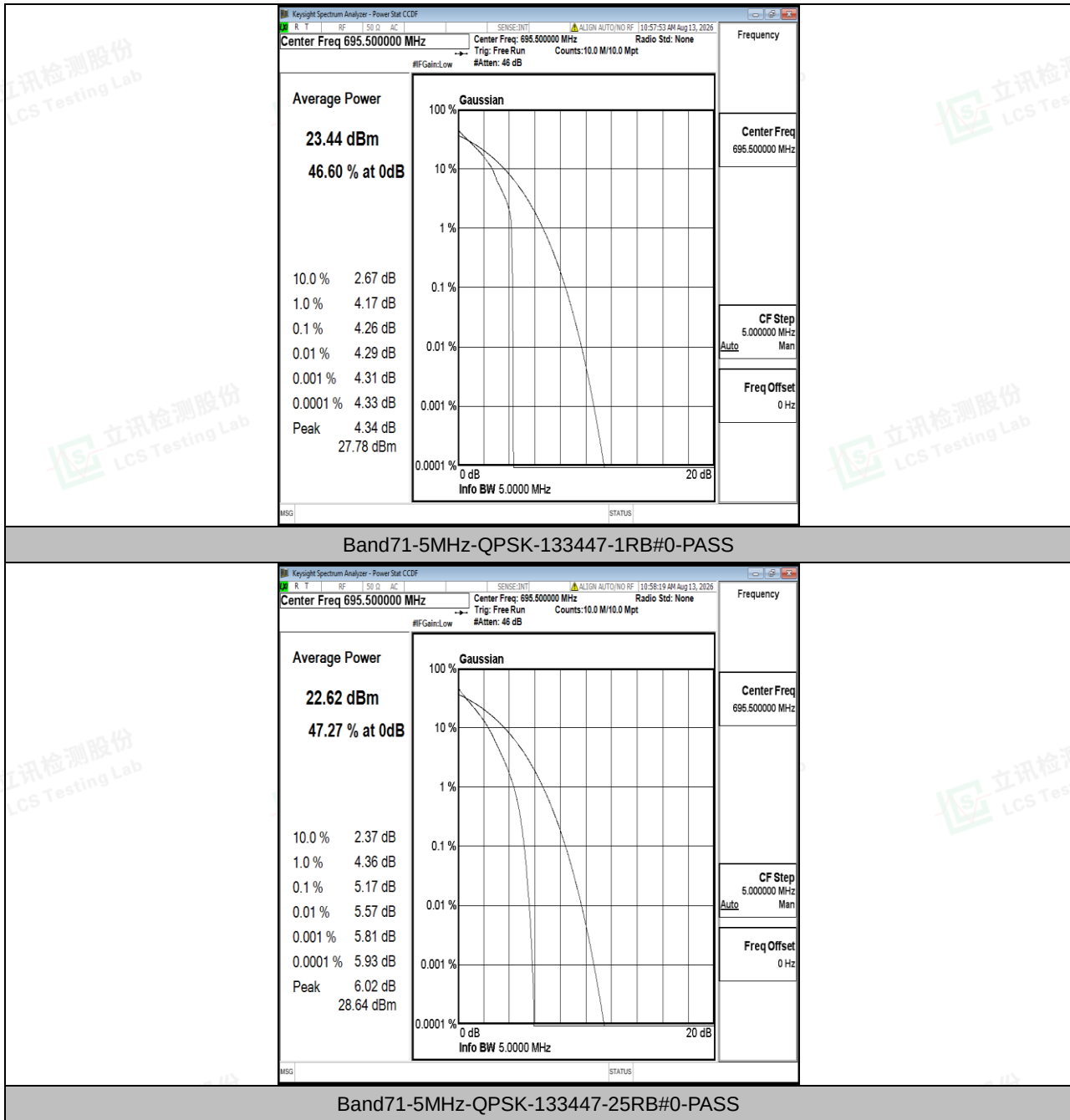
Test Graphs

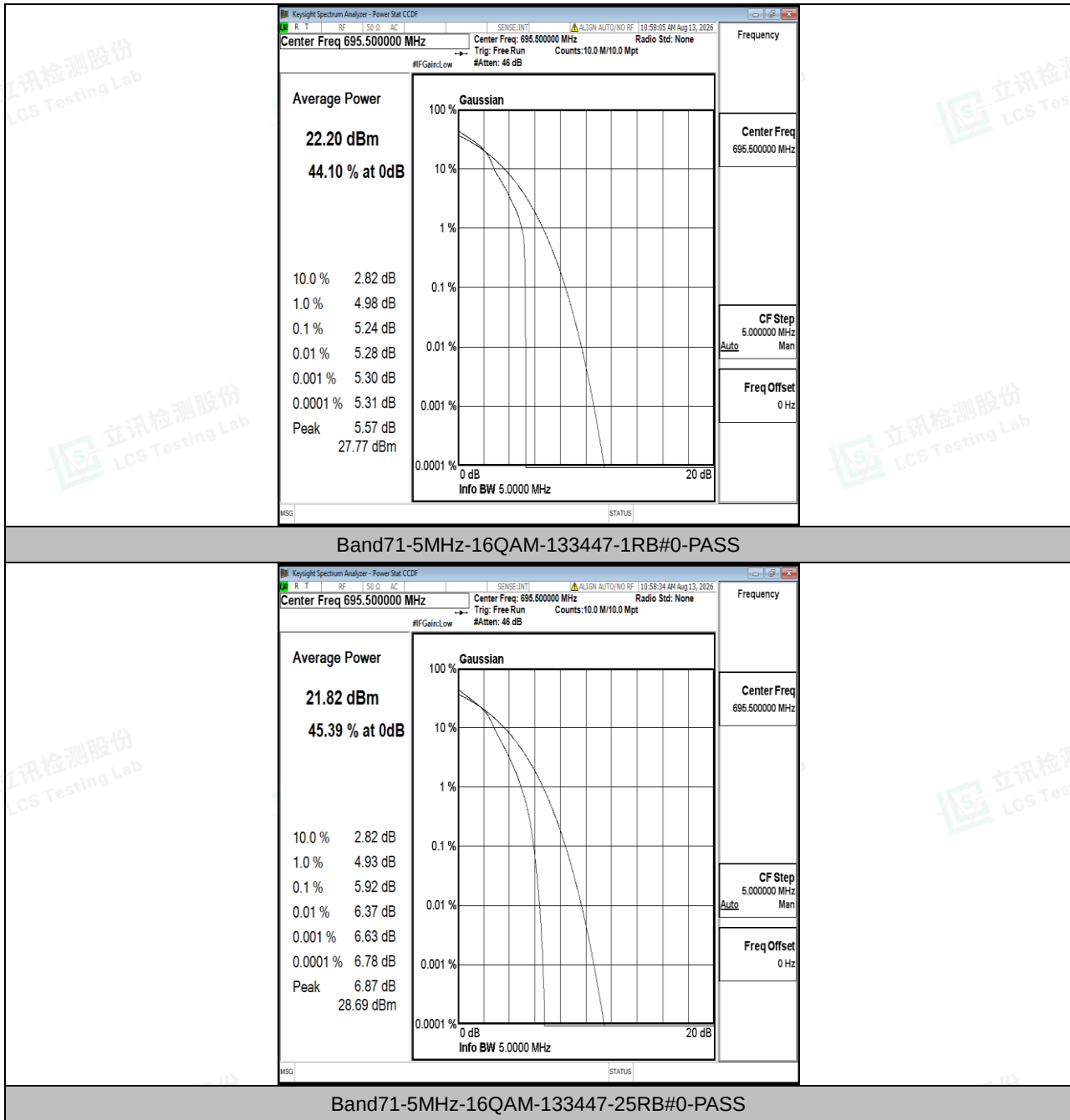


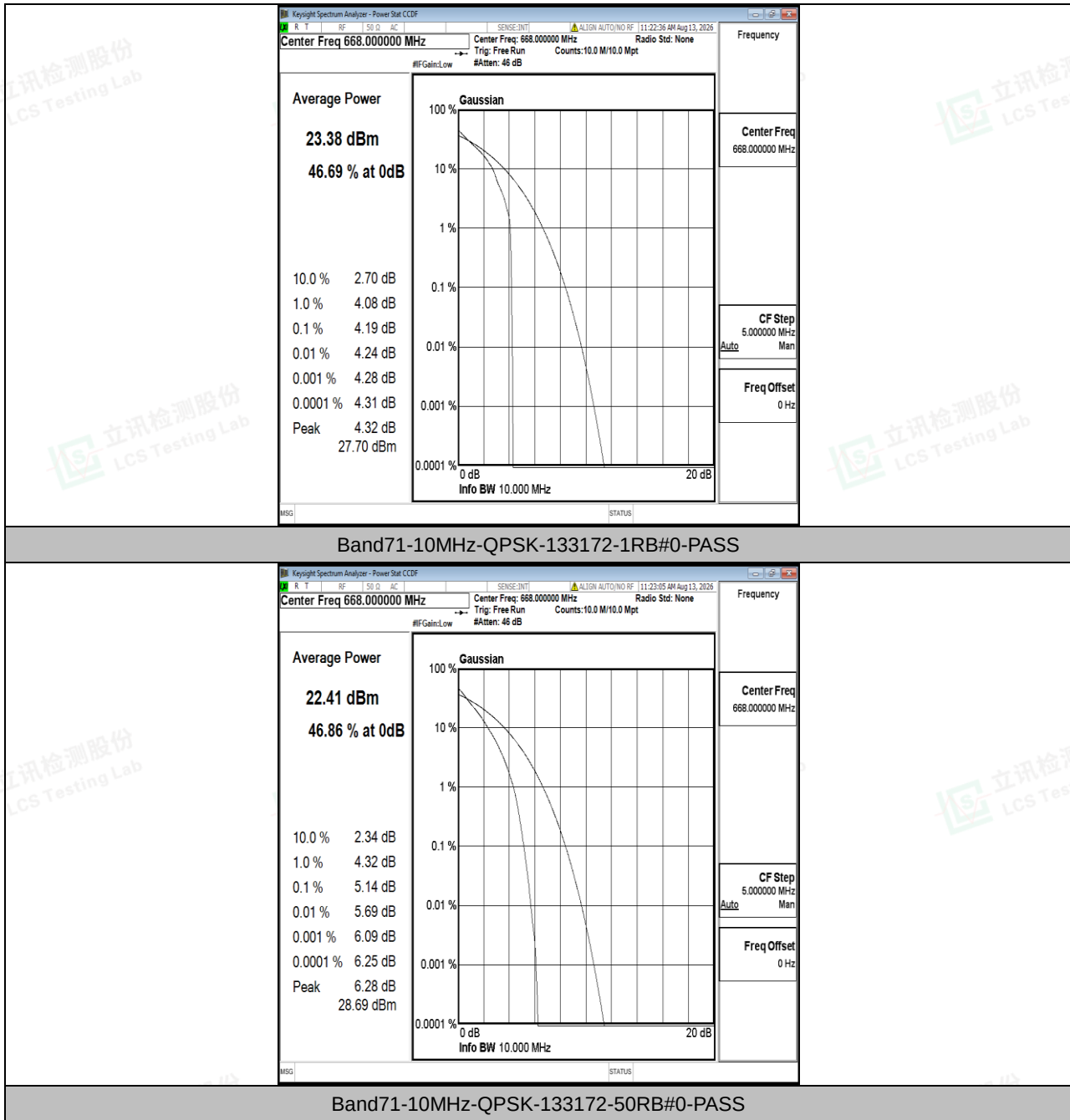


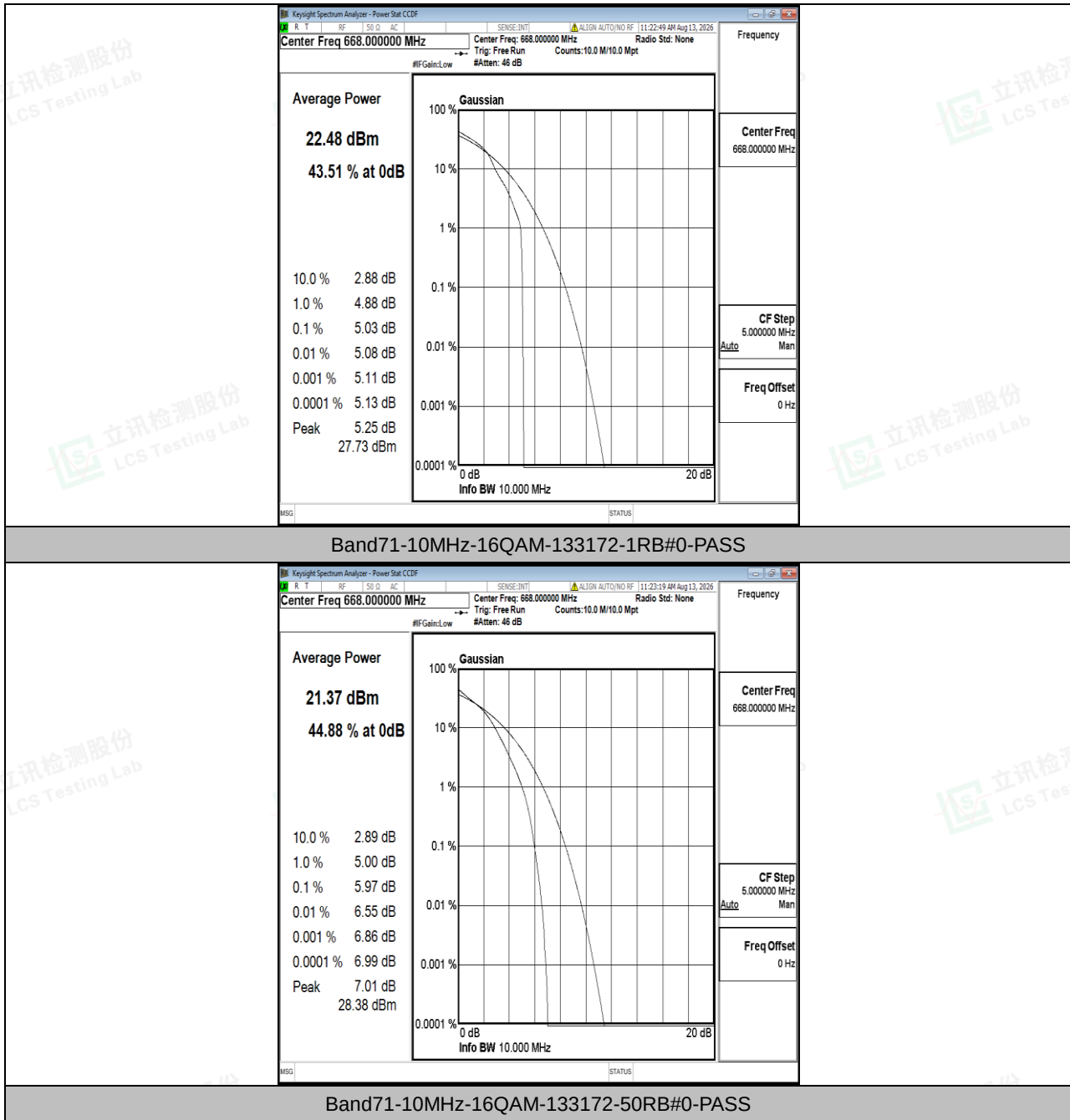


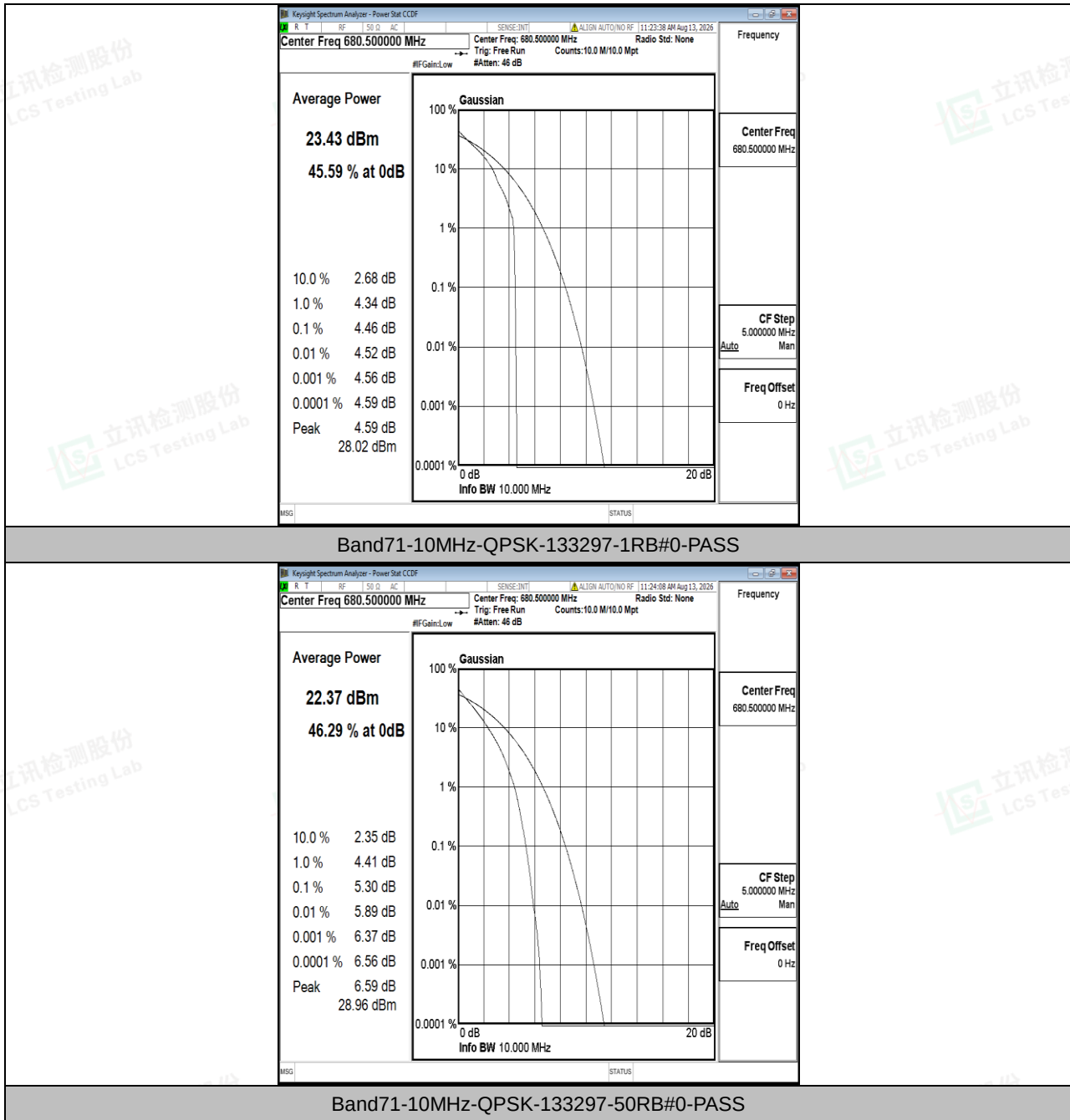


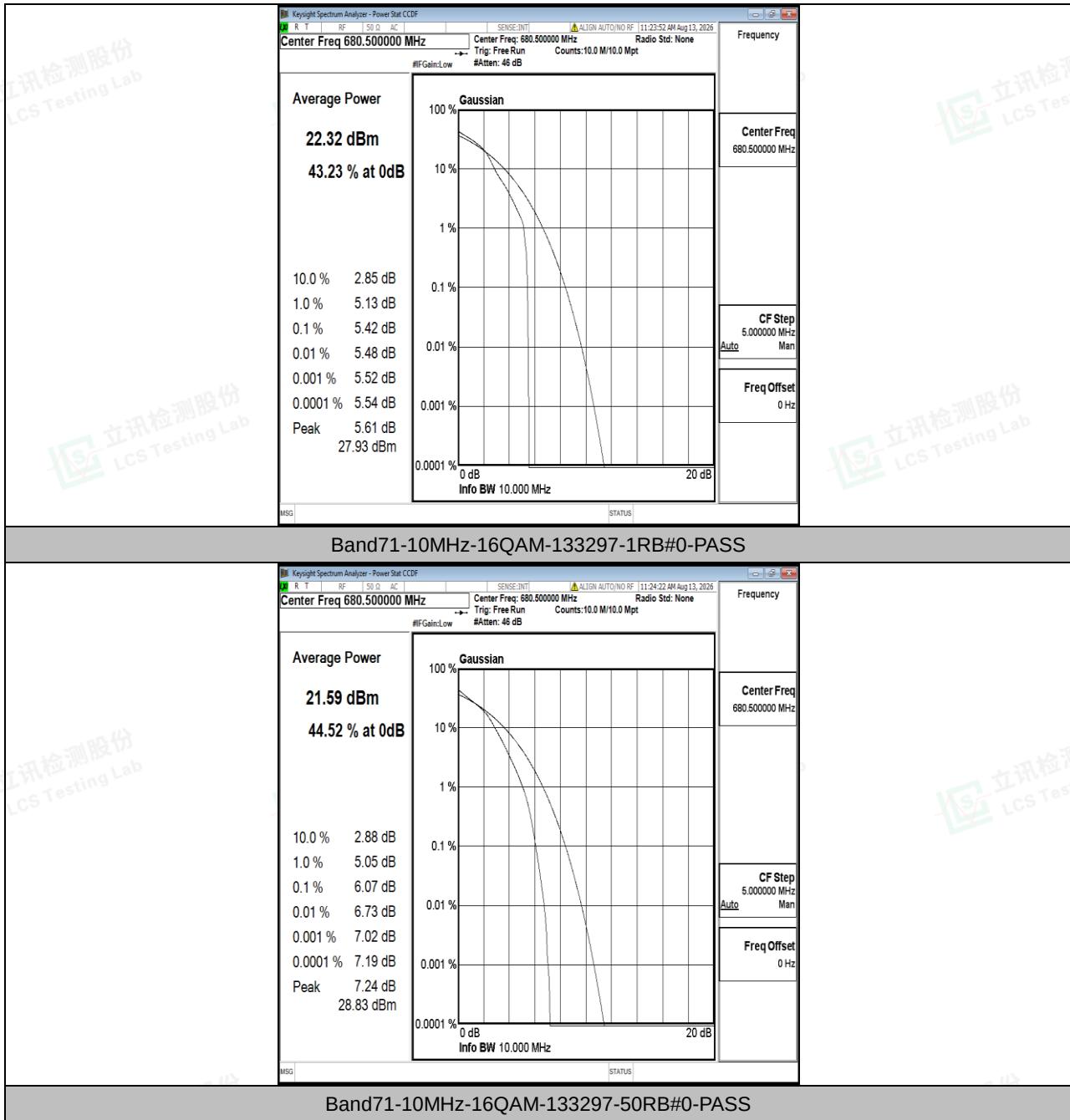


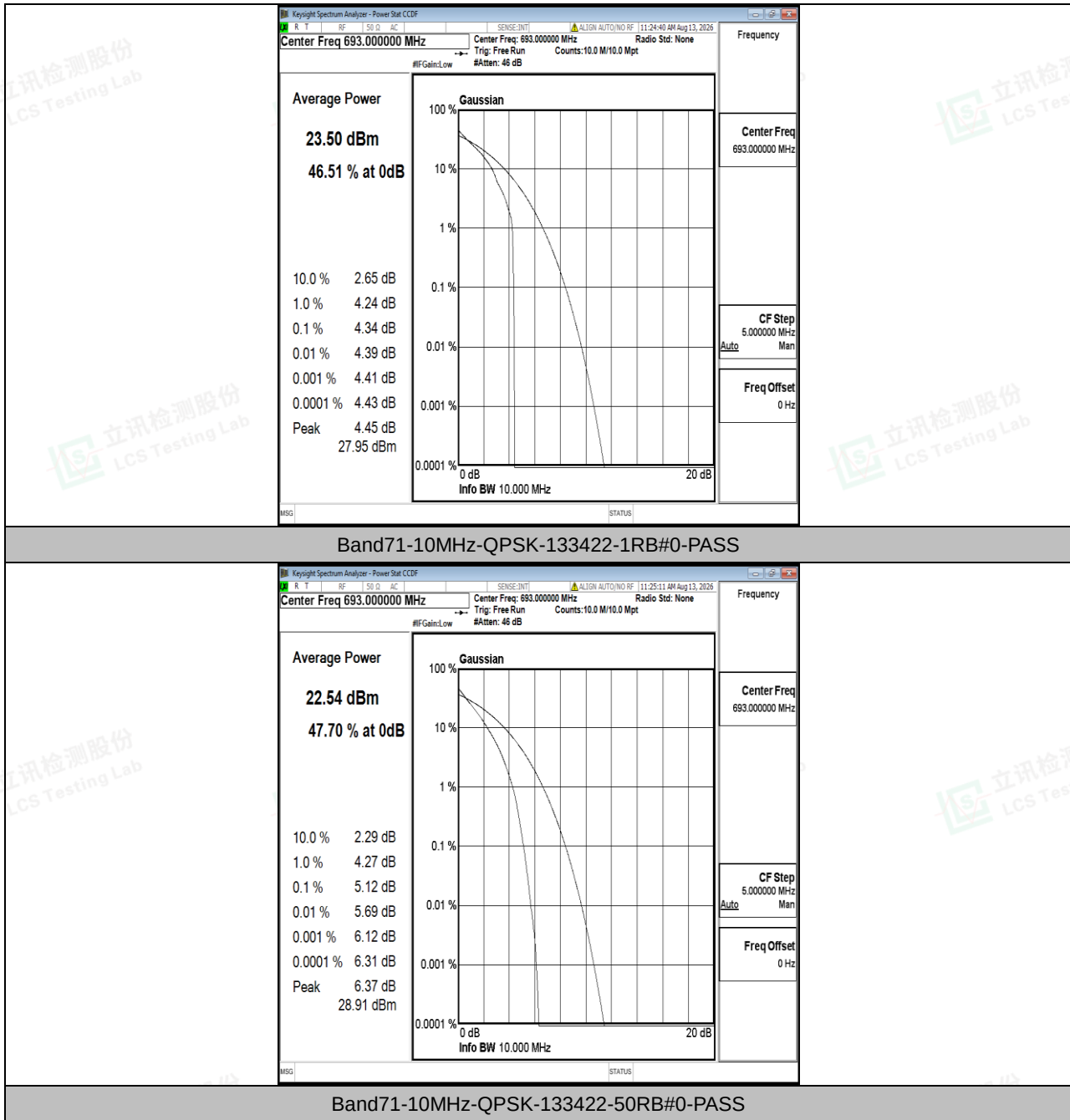


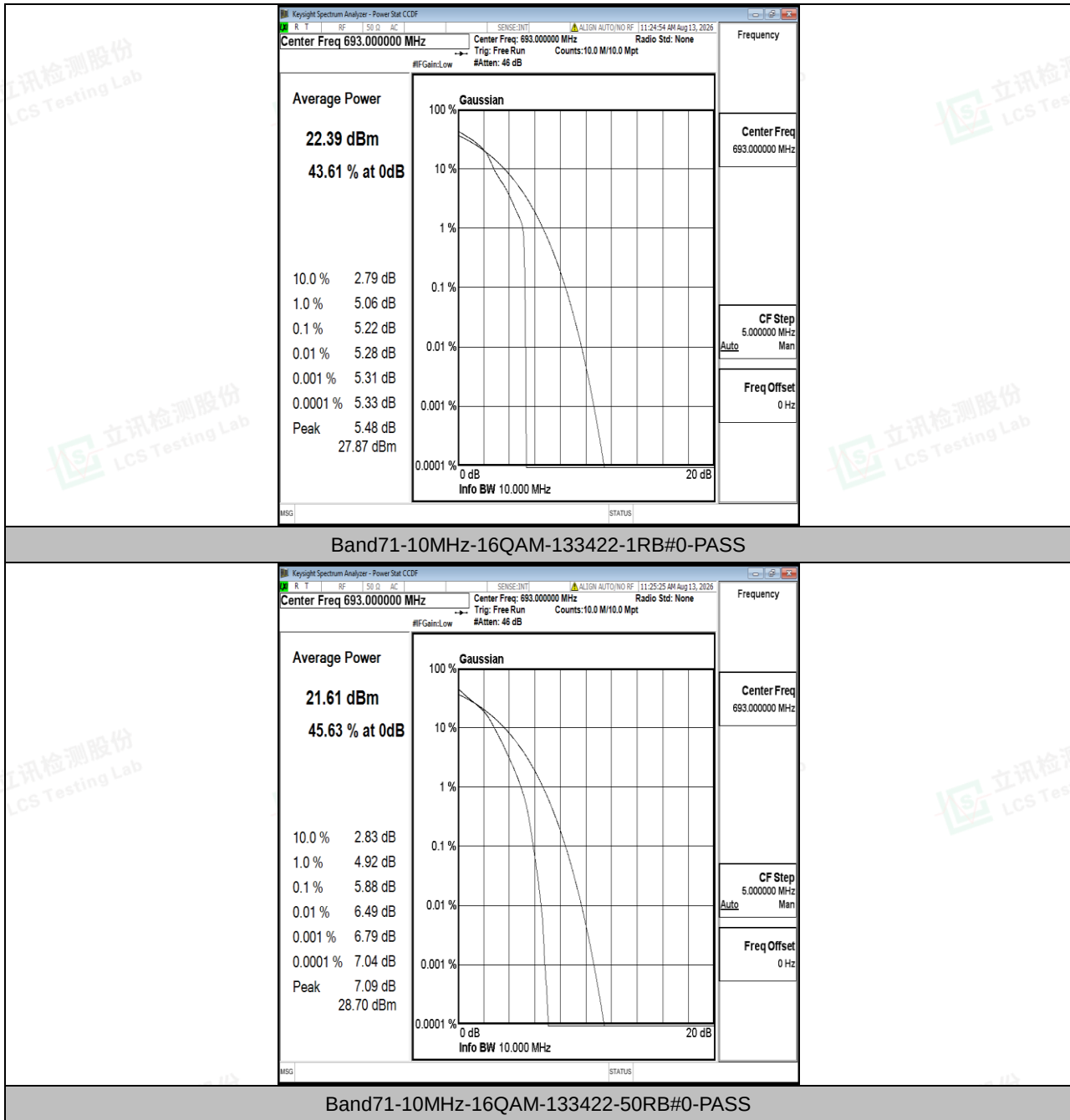


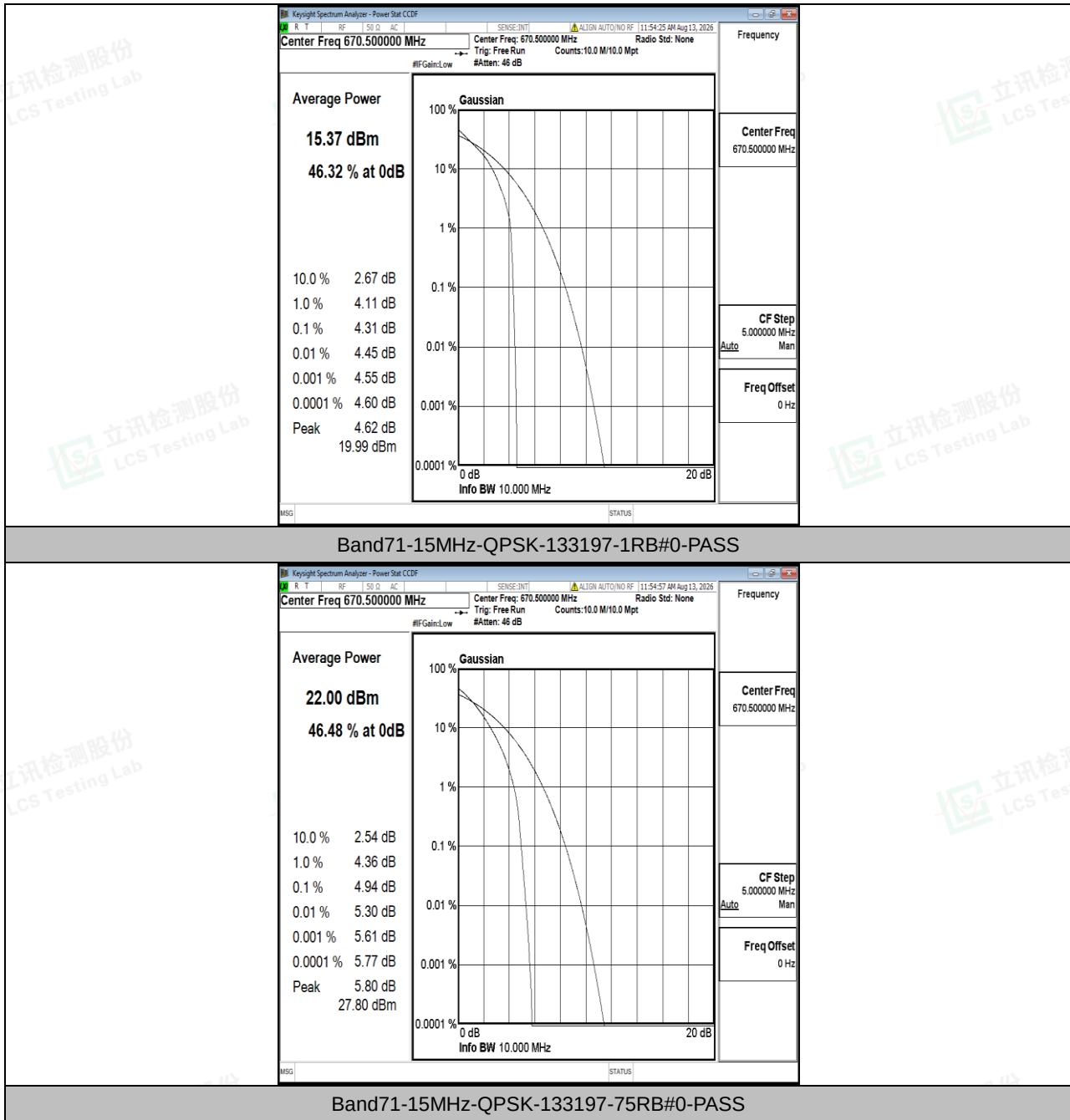


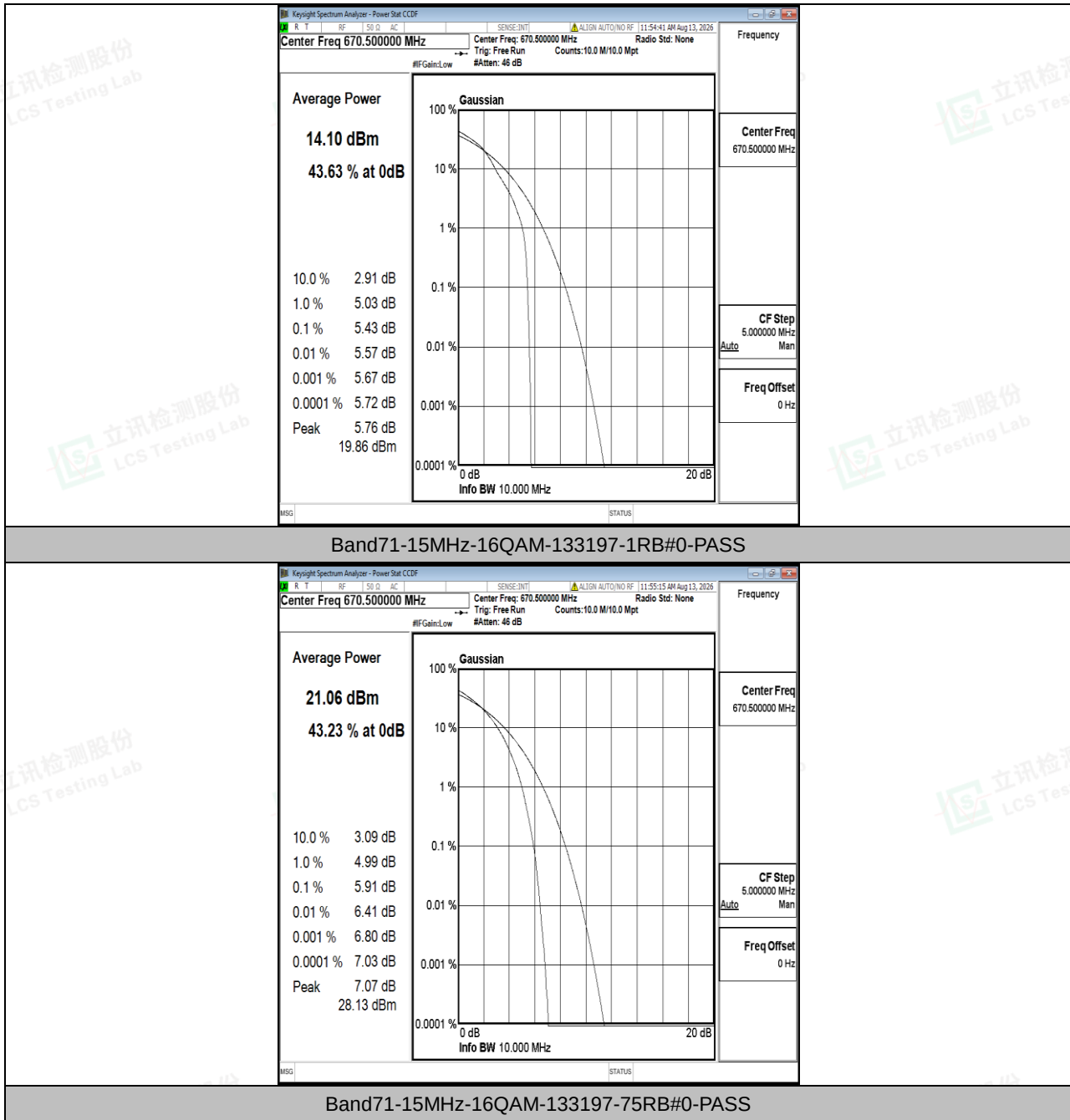


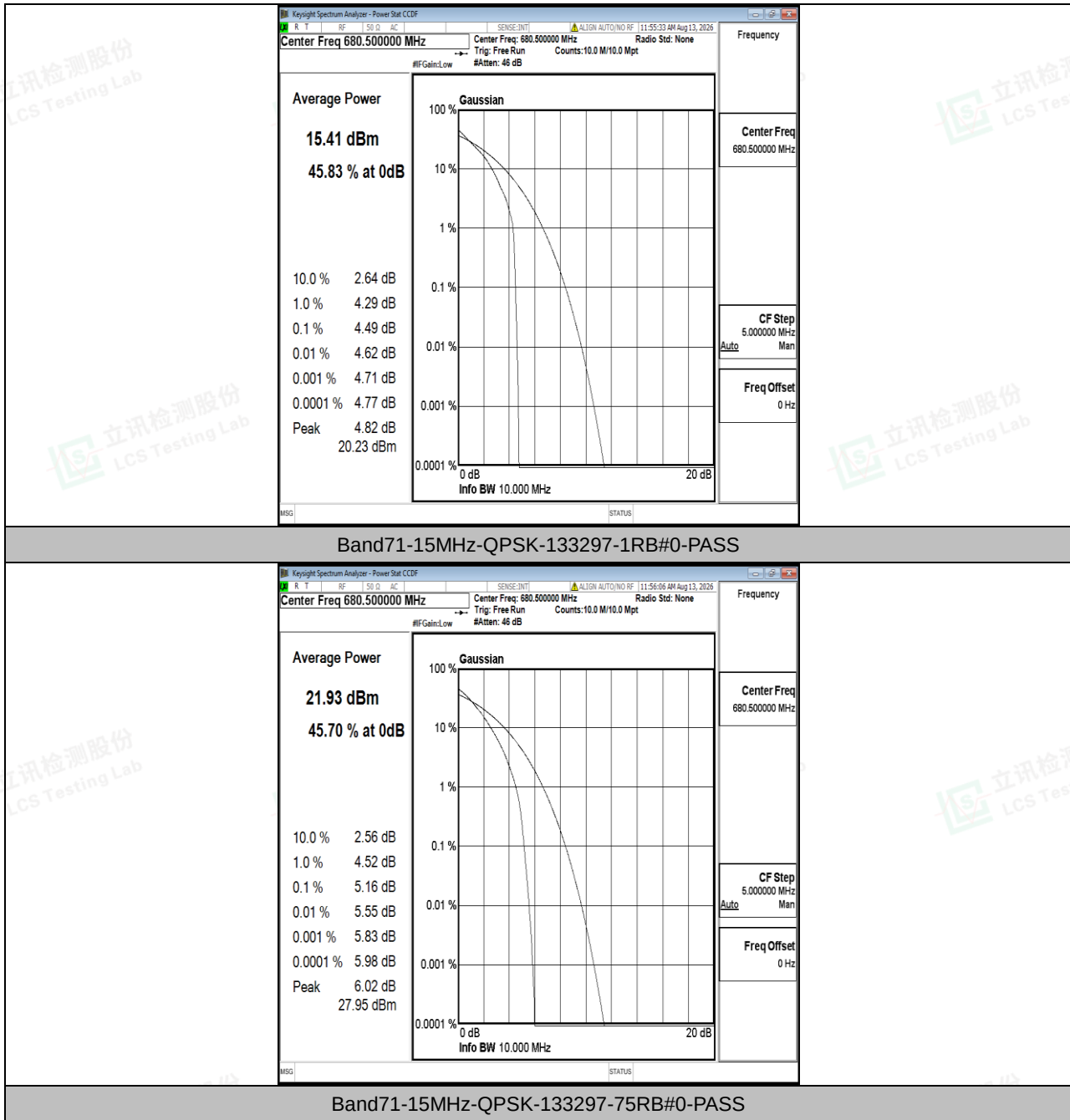


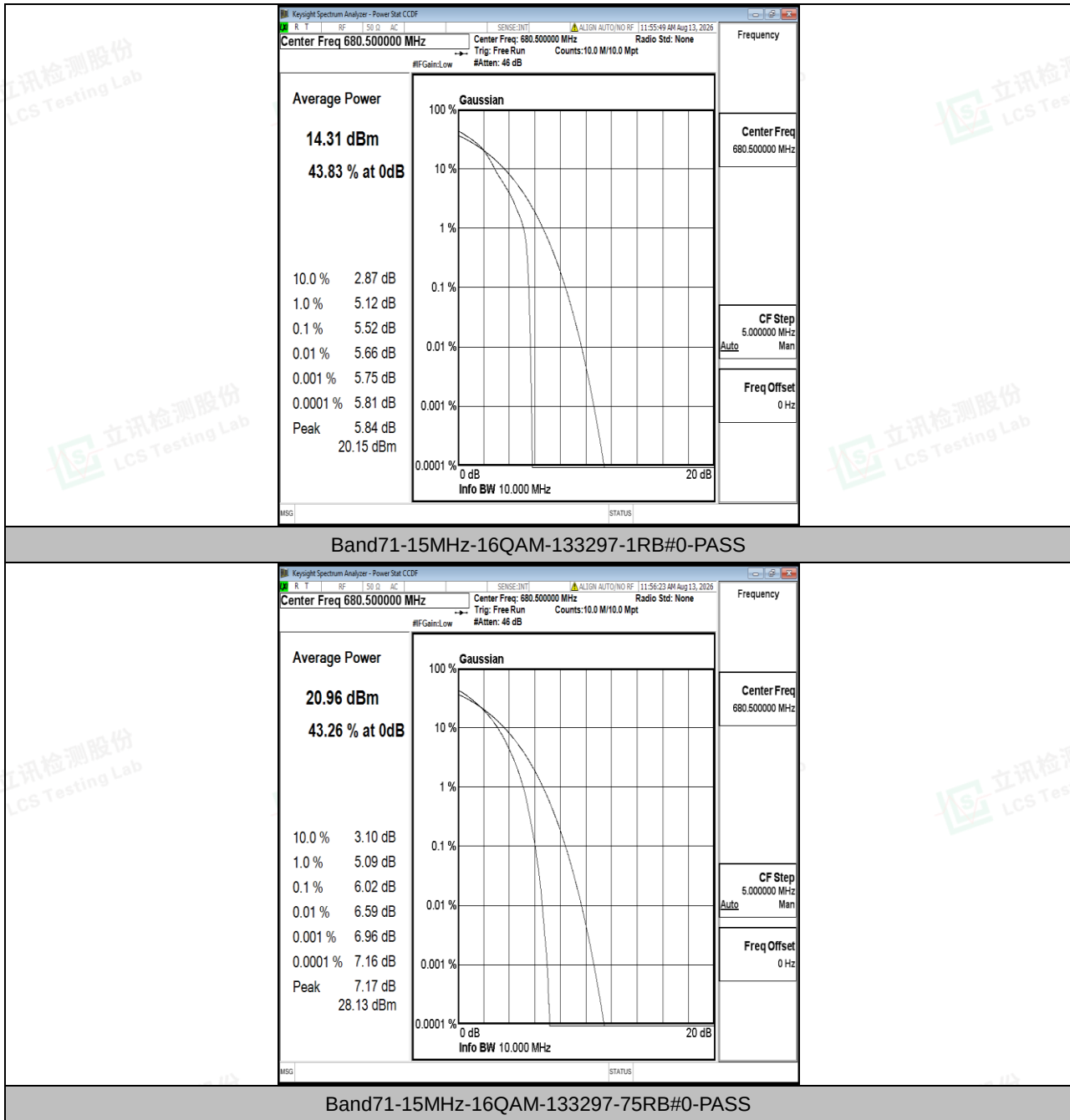


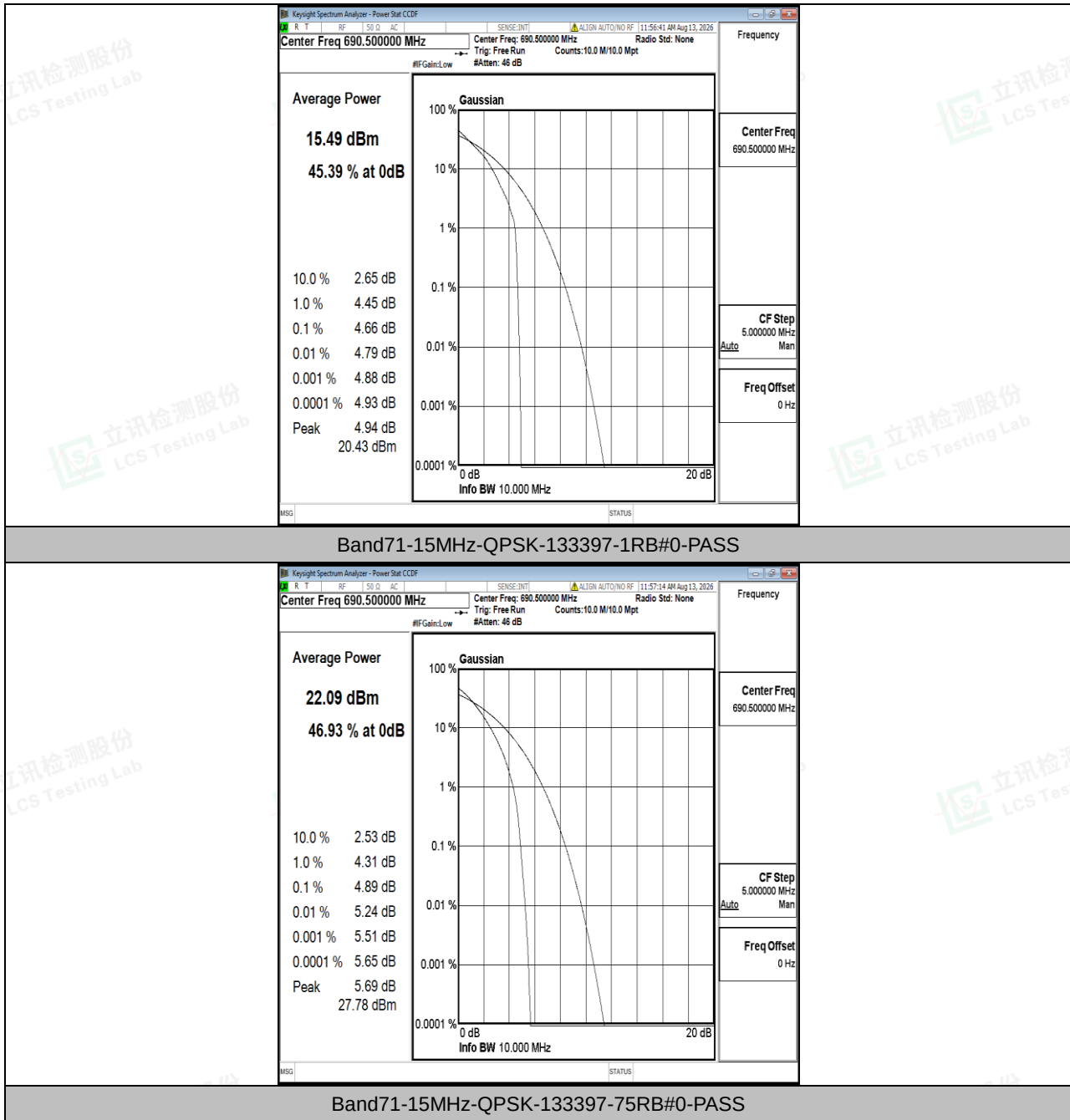


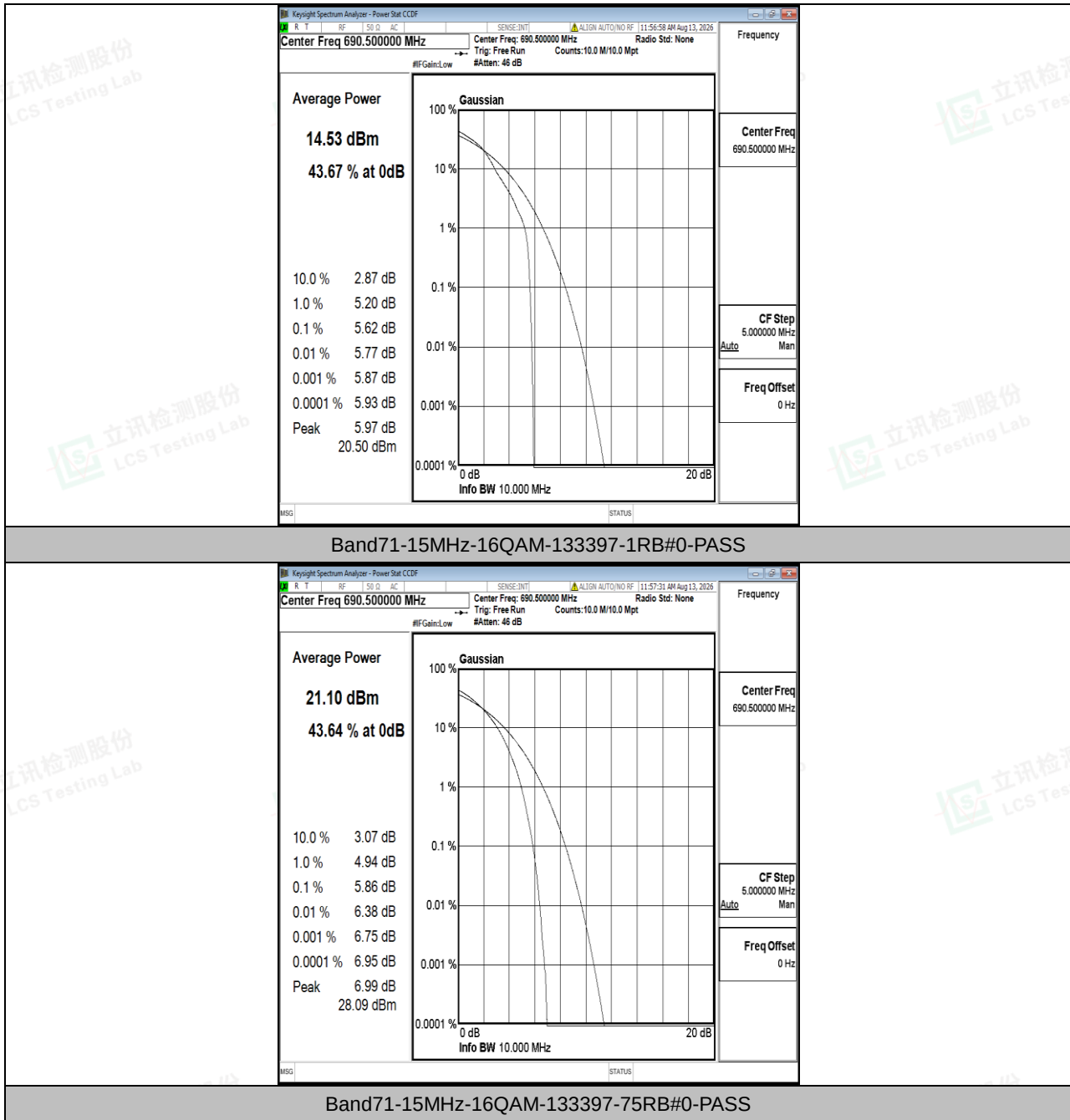


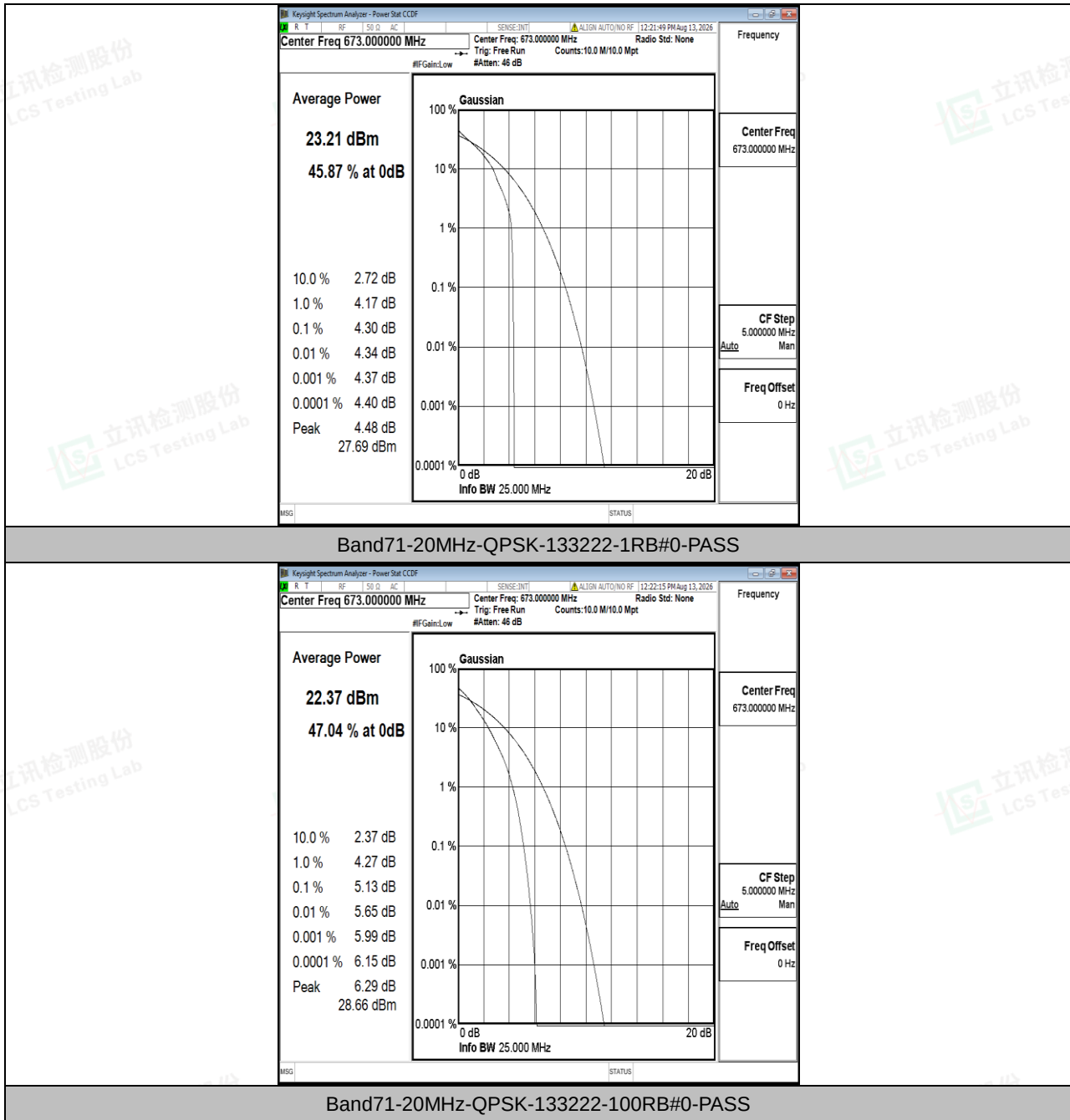


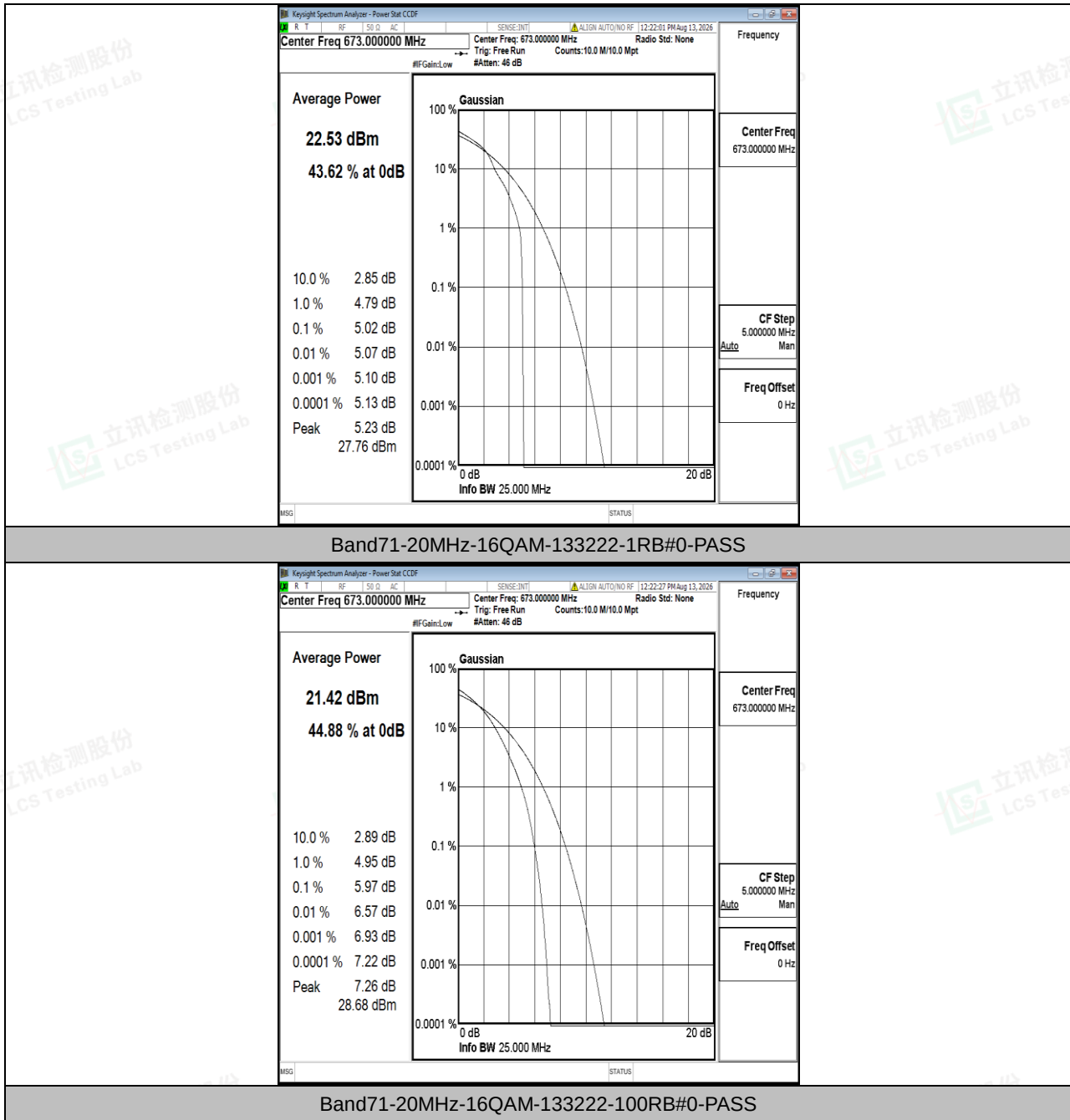


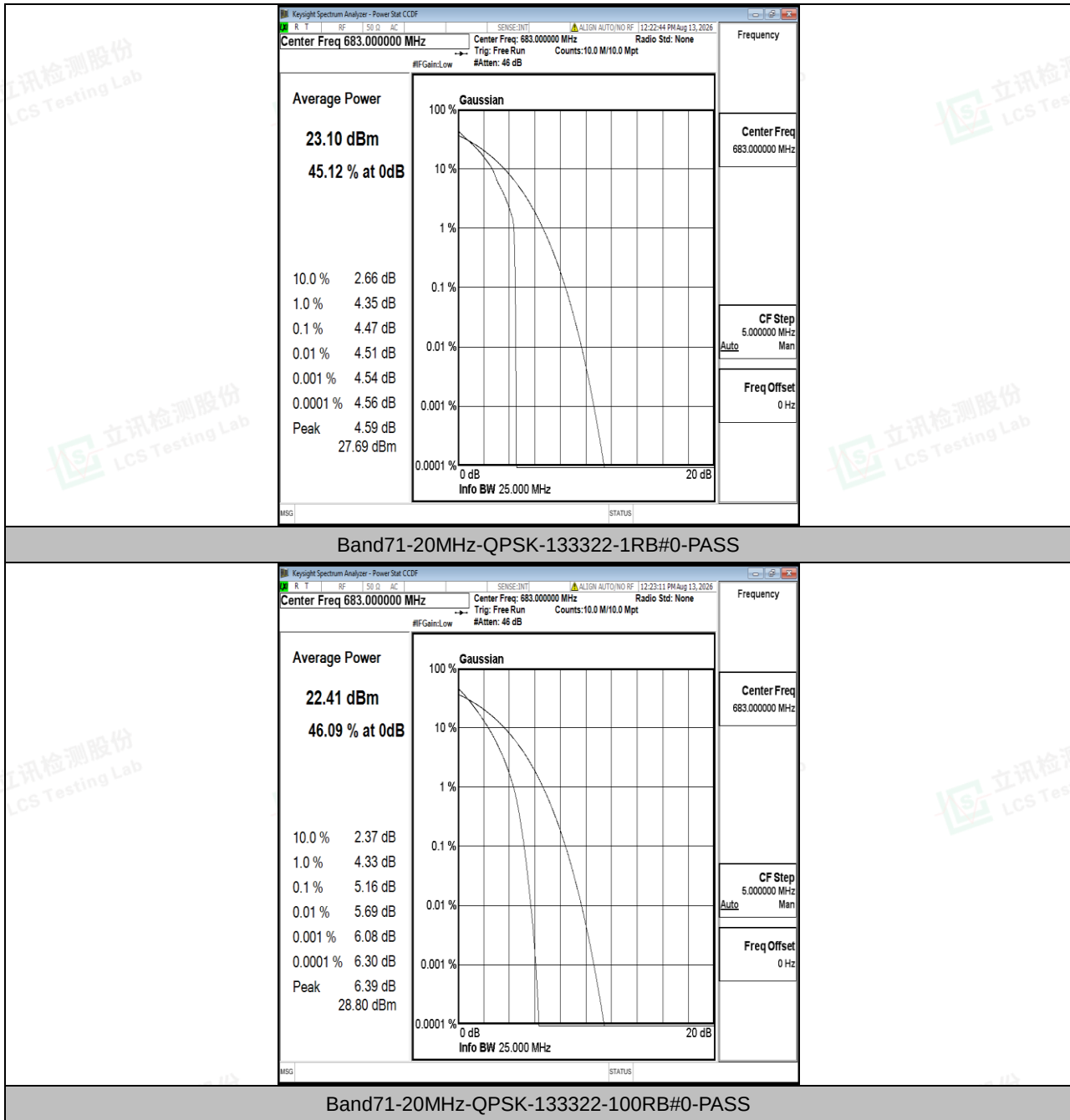


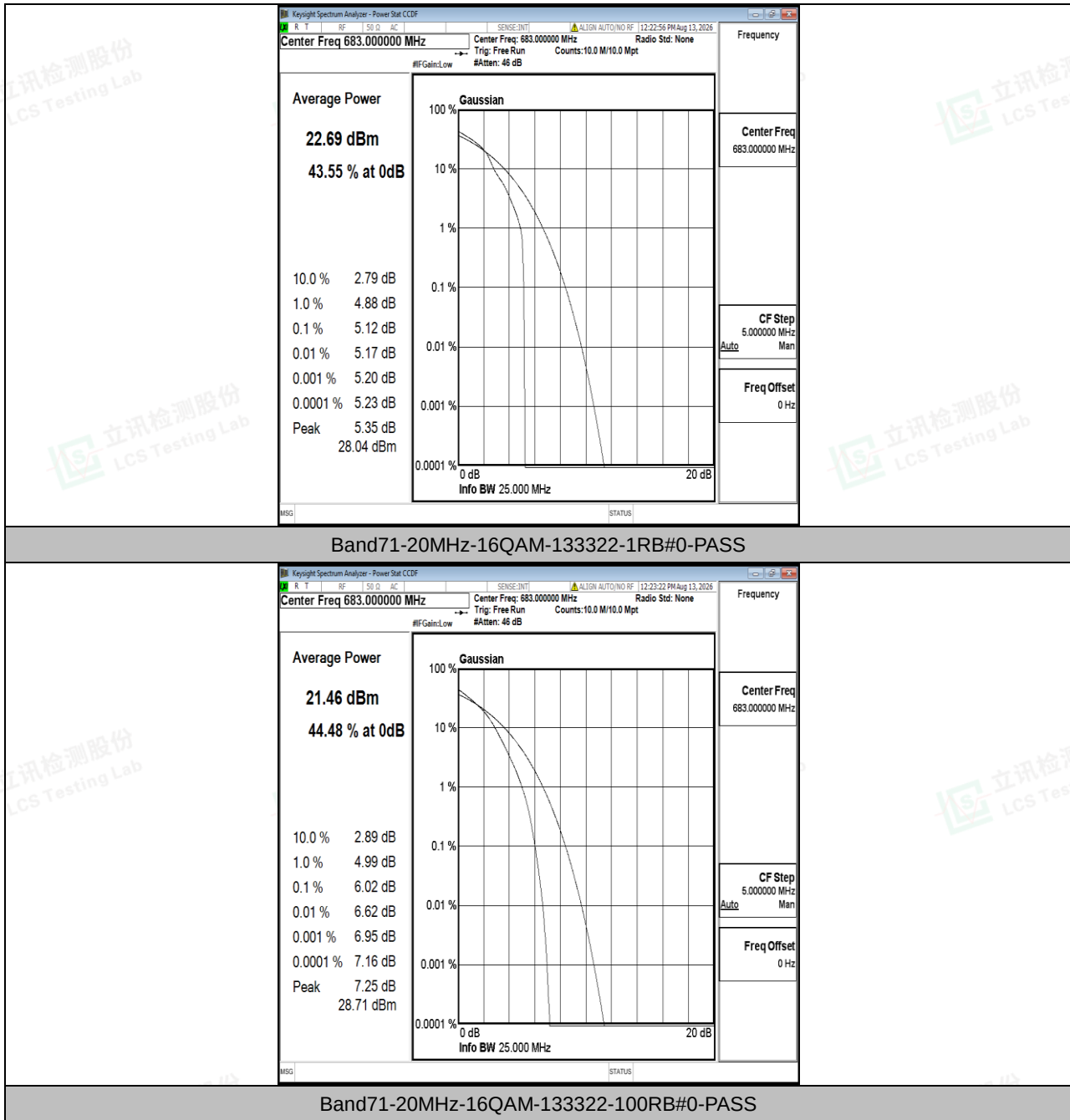


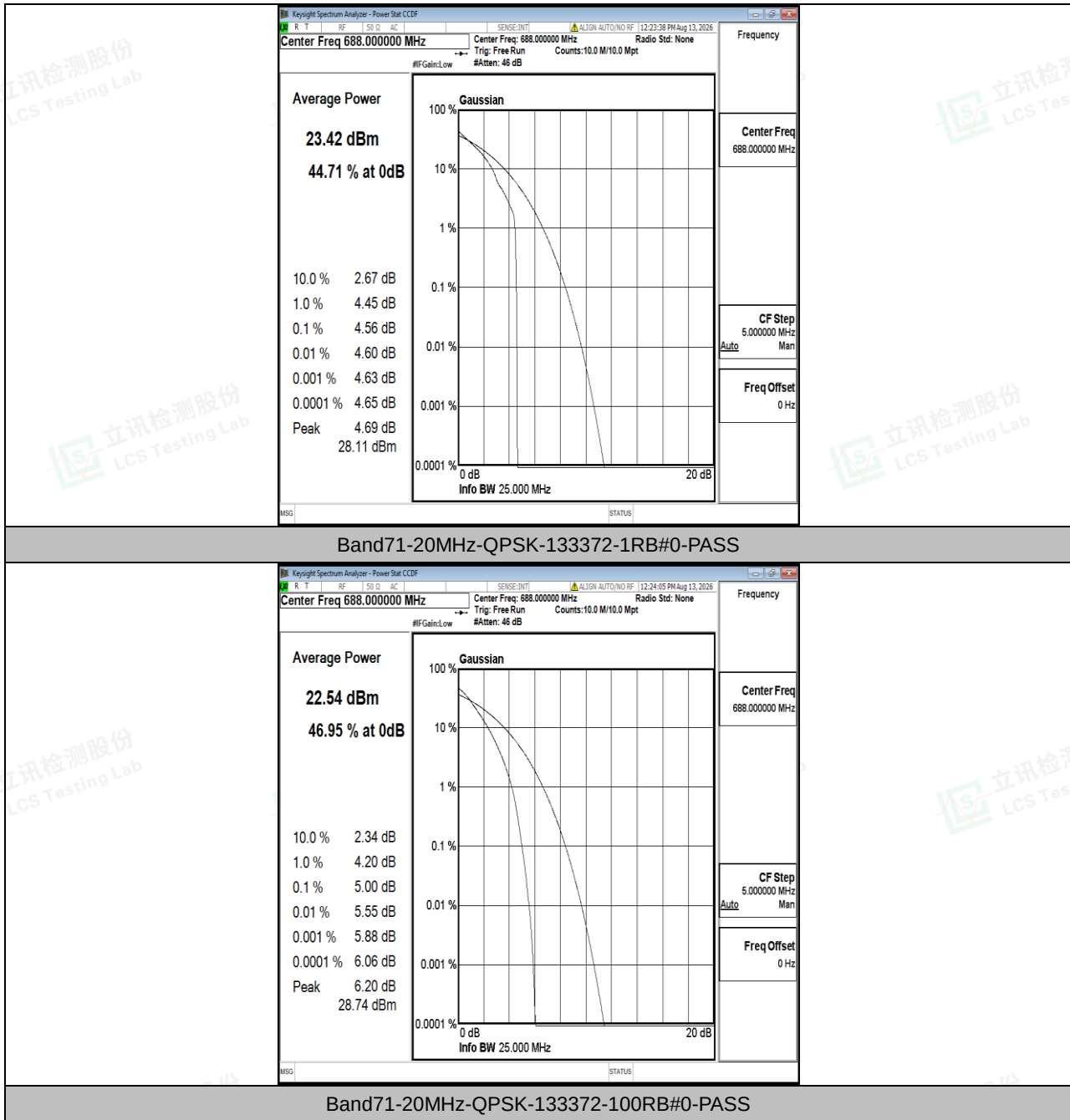


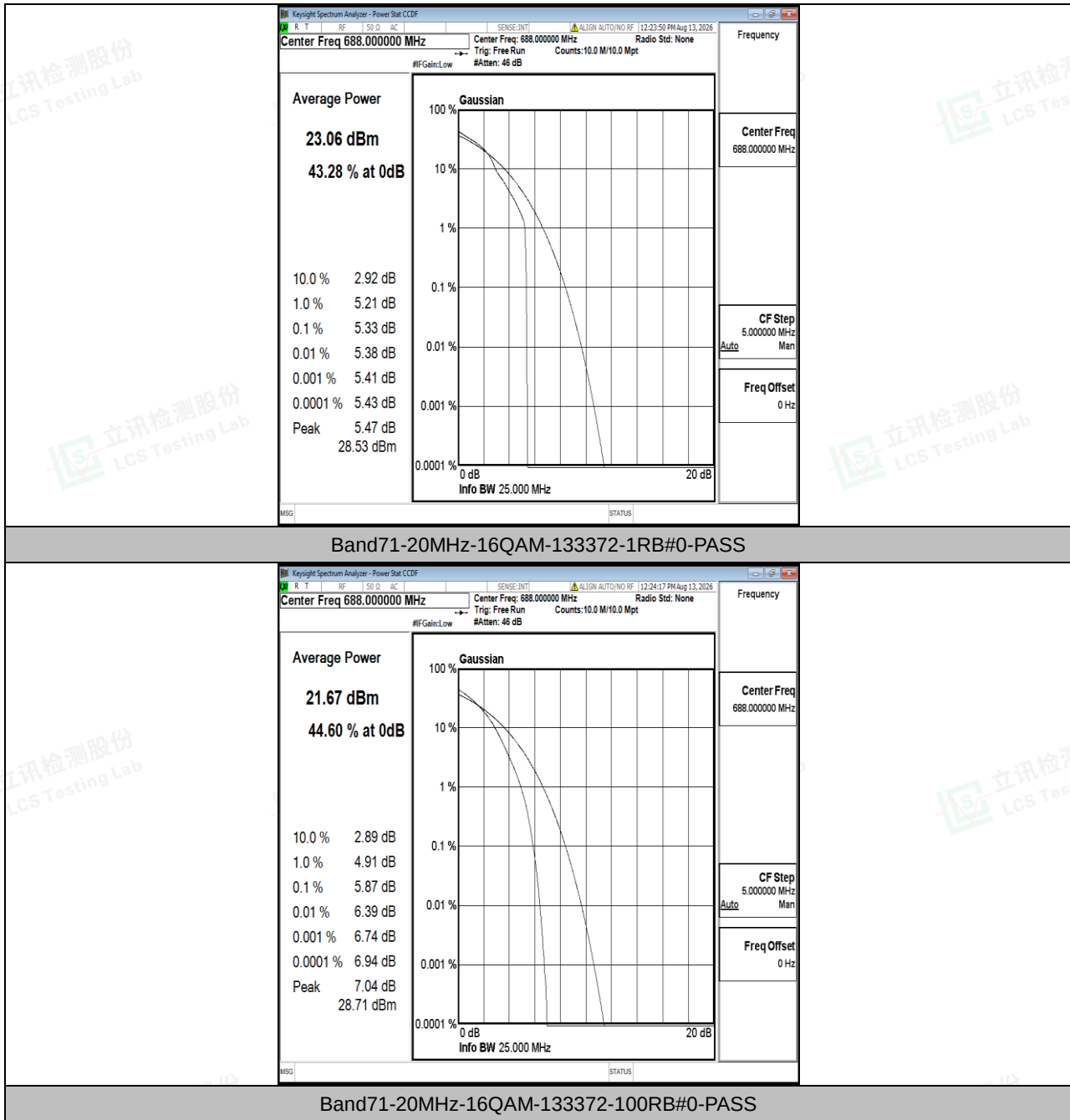














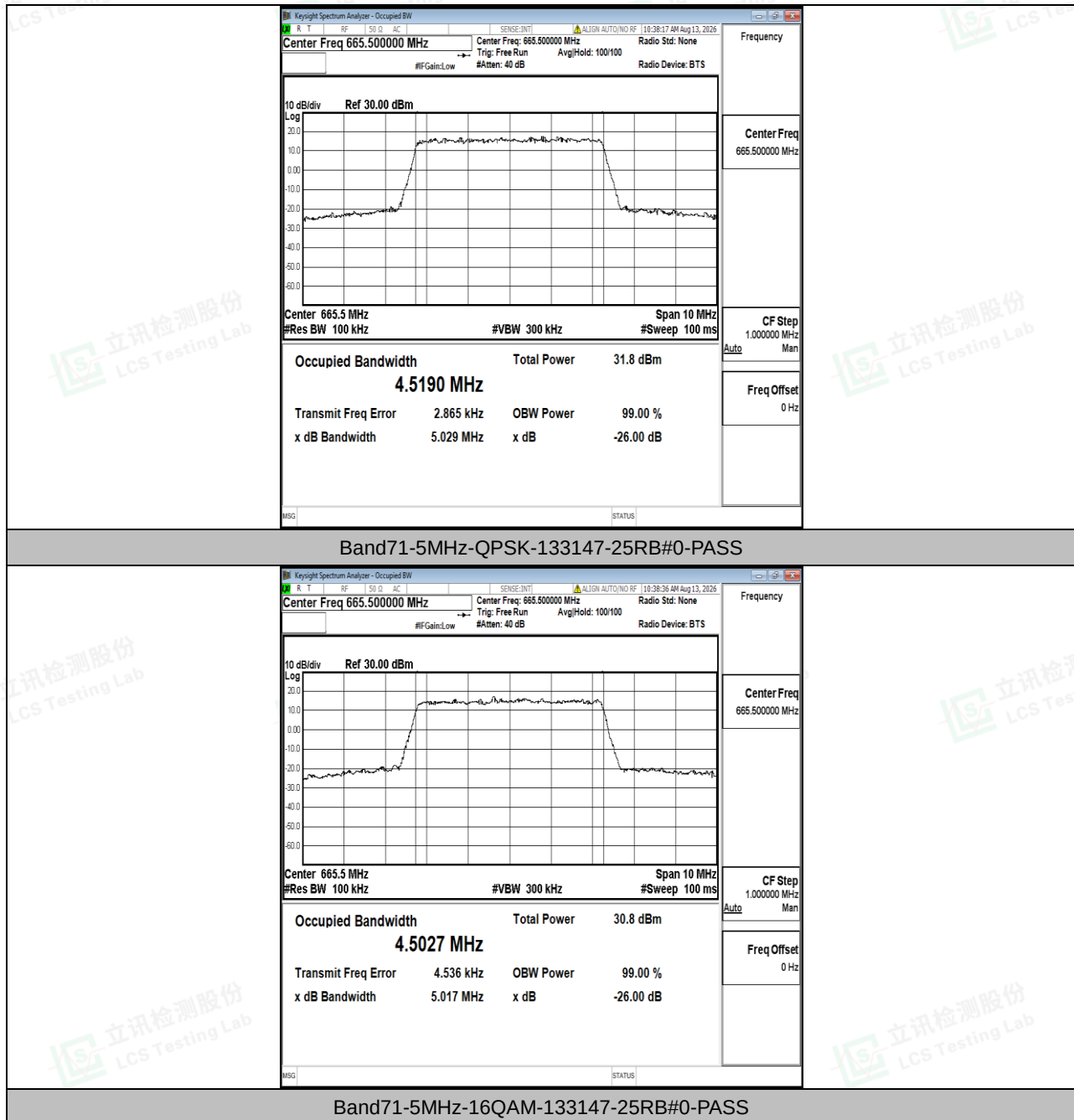
O.3 26dB Bandwidth and Occupied Bandwidth

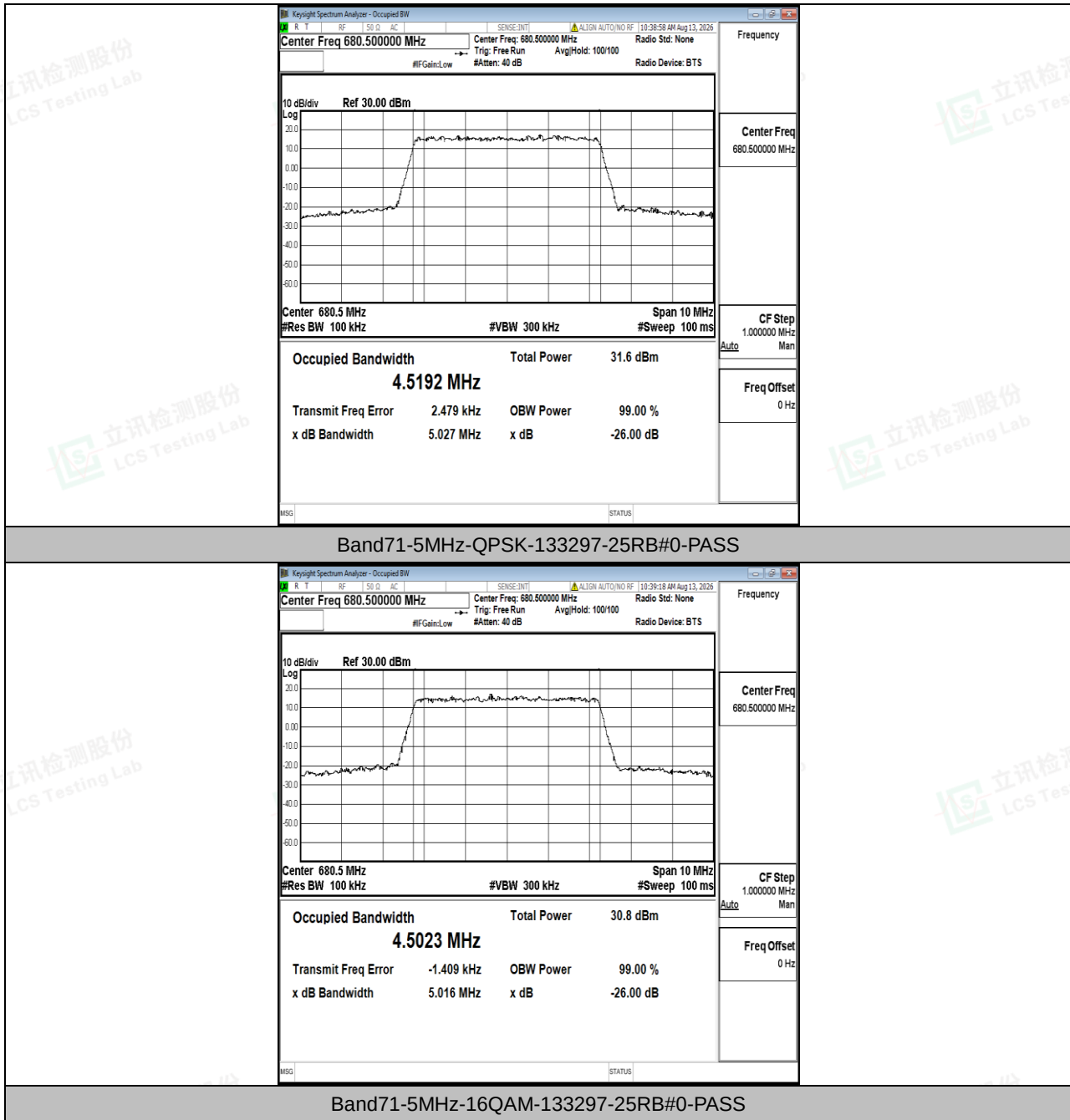
Test Result

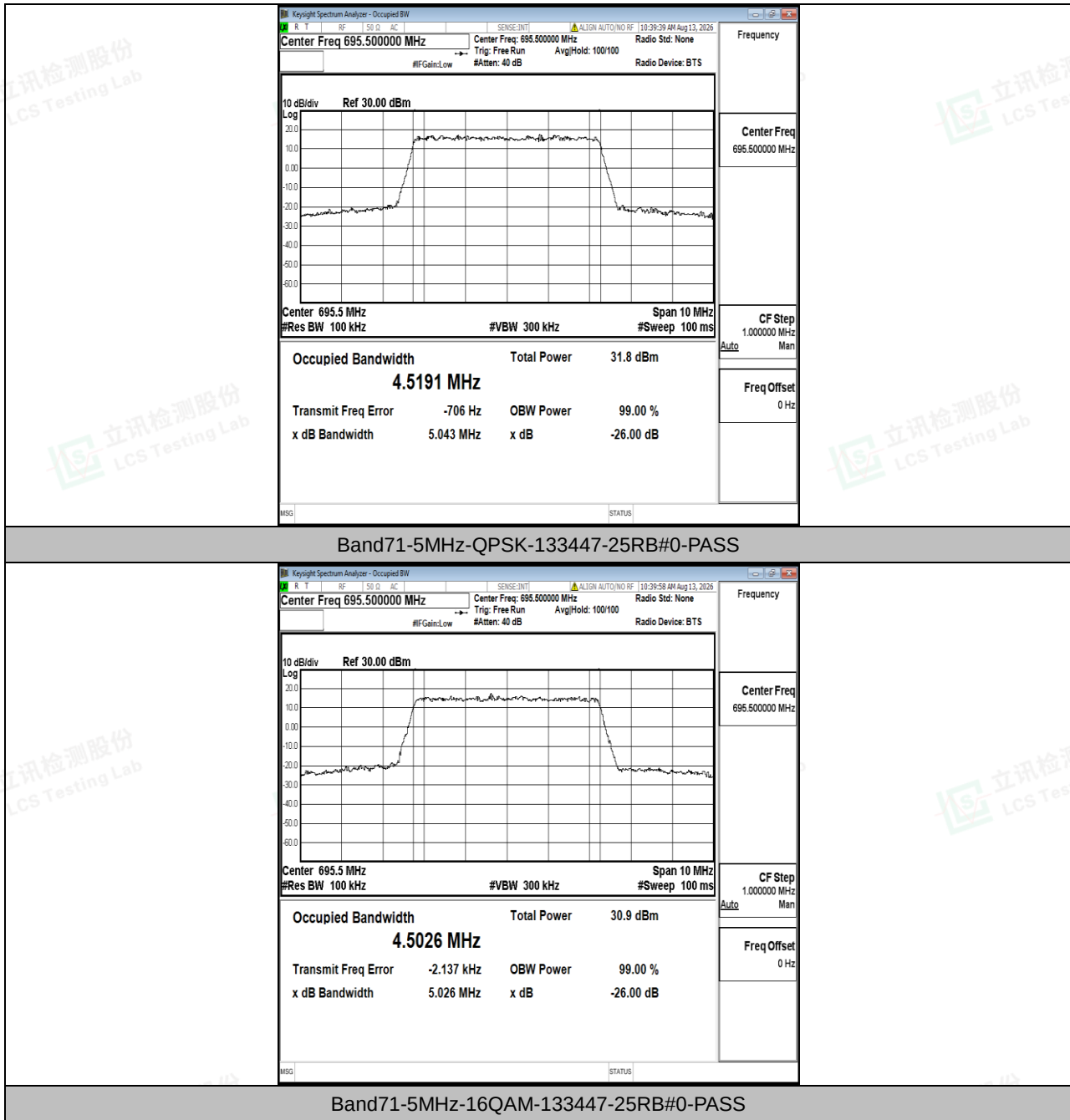
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band71	5MHz	QPSK	133147	25RB#0	4.5190	5.029	PASS
Band71	5MHz	16QAM	133147	25RB#0	4.5027	5.017	PASS
Band71	5MHz	QPSK	133297	25RB#0	4.5192	5.027	PASS
Band71	5MHz	16QAM	133297	25RB#0	4.5023	5.016	PASS
Band71	5MHz	QPSK	133447	25RB#0	4.5191	5.043	PASS
Band71	5MHz	16QAM	133447	25RB#0	4.5026	5.026	PASS
Band71	10MHz	QPSK	133172	50RB#0	8.9736	10.00	PASS
Band71	10MHz	16QAM	133172	50RB#0	8.9606	9.867	PASS
Band71	10MHz	QPSK	133297	50RB#0	8.9977	9.981	PASS
Band71	10MHz	16QAM	133297	50RB#0	8.9778	9.883	PASS
Band71	10MHz	QPSK	133422	50RB#0	8.9853	9.969	PASS
Band71	10MHz	16QAM	133422	50RB#0	8.9759	9.818	PASS
Band71	15MHz	QPSK	133197	75RB#0	13.438	14.74	PASS
Band71	15MHz	16QAM	133197	75RB#0	13.433	14.66	PASS
Band71	15MHz	QPSK	133297	75RB#0	13.511	14.85	PASS
Band71	15MHz	16QAM	133297	75RB#0	13.482	14.79	PASS
Band71	15MHz	QPSK	133397	75RB#0	13.431	14.71	PASS
Band71	15MHz	16QAM	133397	75RB#0	13.440	14.70	PASS
Band71	20MHz	QPSK	133222	100RB#0	17.863	19.26	PASS
Band71	20MHz	16QAM	133222	100RB#0	17.919	19.39	PASS
Band71	20MHz	QPSK	133322	100RB#0	17.949	19.49	PASS
Band71	20MHz	16QAM	133322	100RB#0	17.951	19.48	PASS
Band71	20MHz	QPSK	133372	100RB#0	17.869	19.42	PASS
Band71	20MHz	16QAM	133372	100RB#0	17.863	19.43	PASS

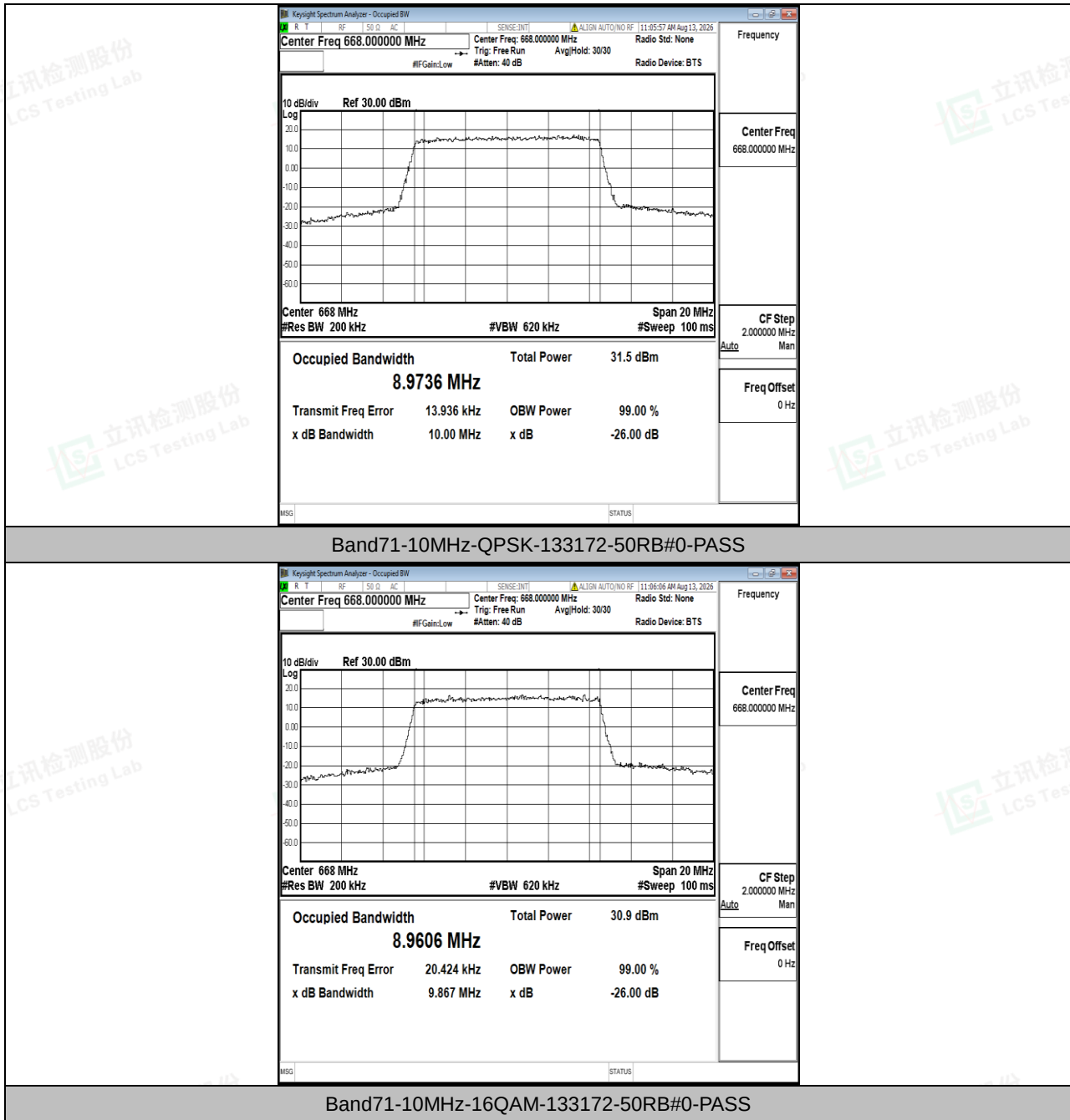


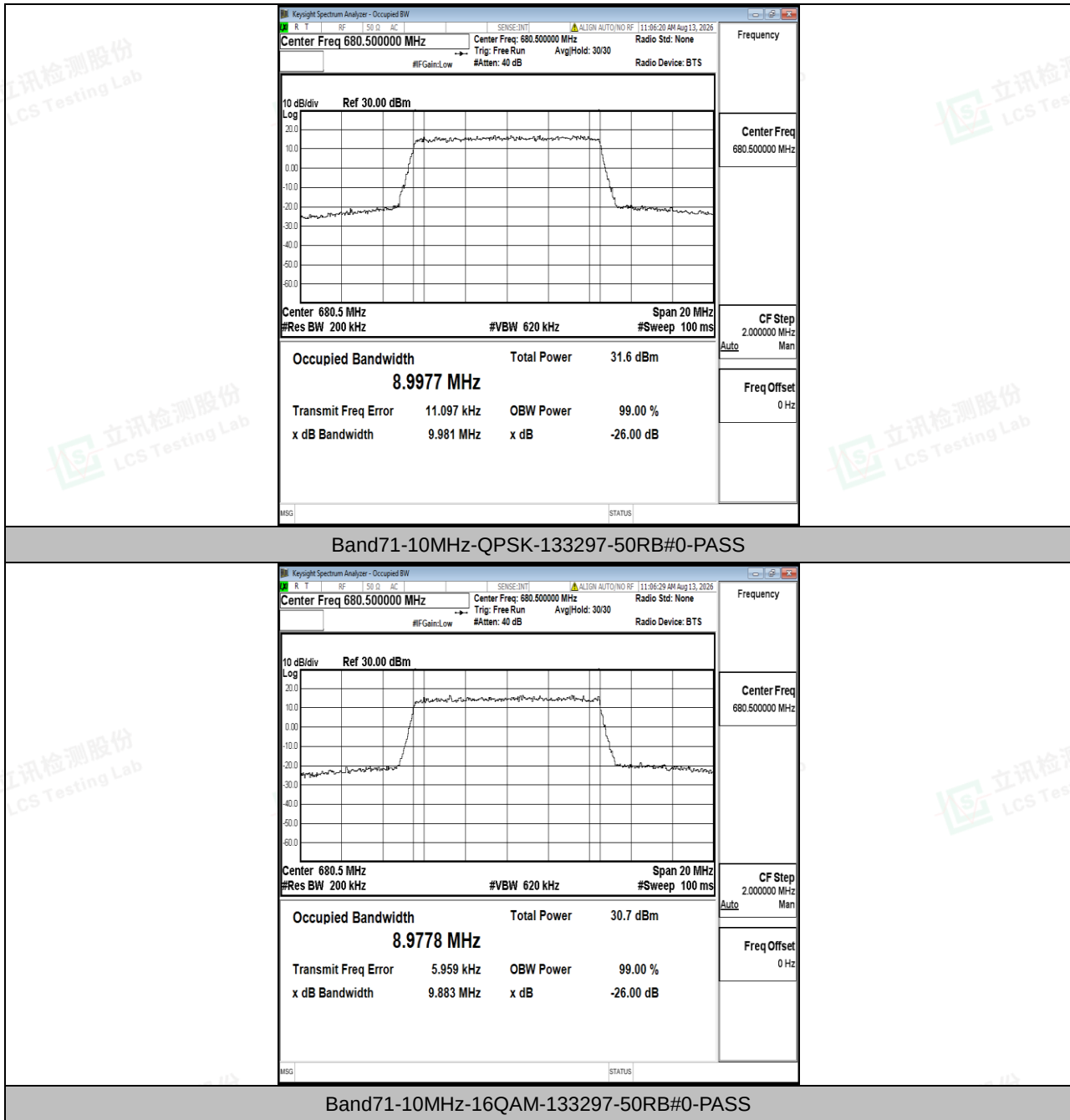
Test Graphs

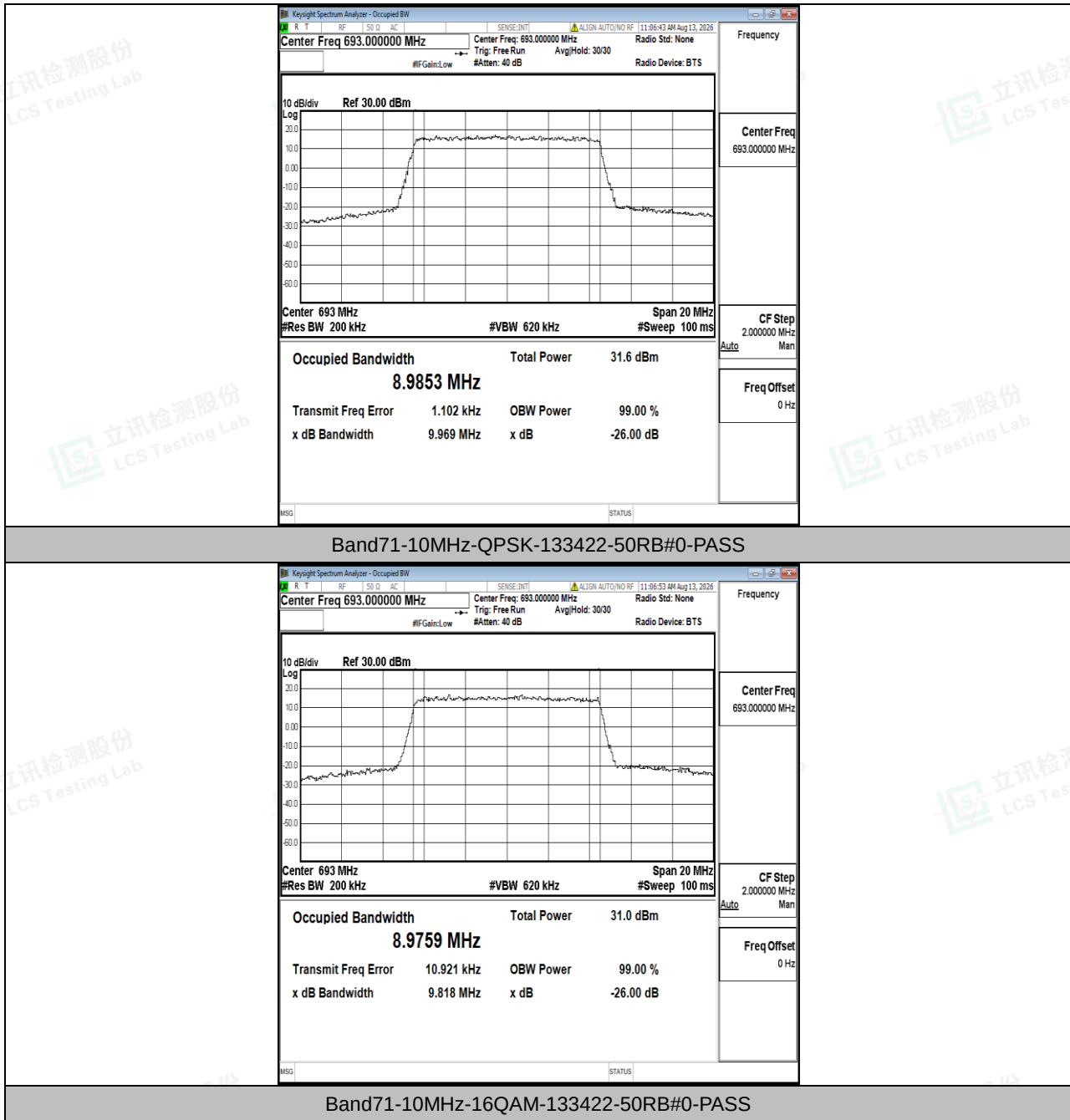


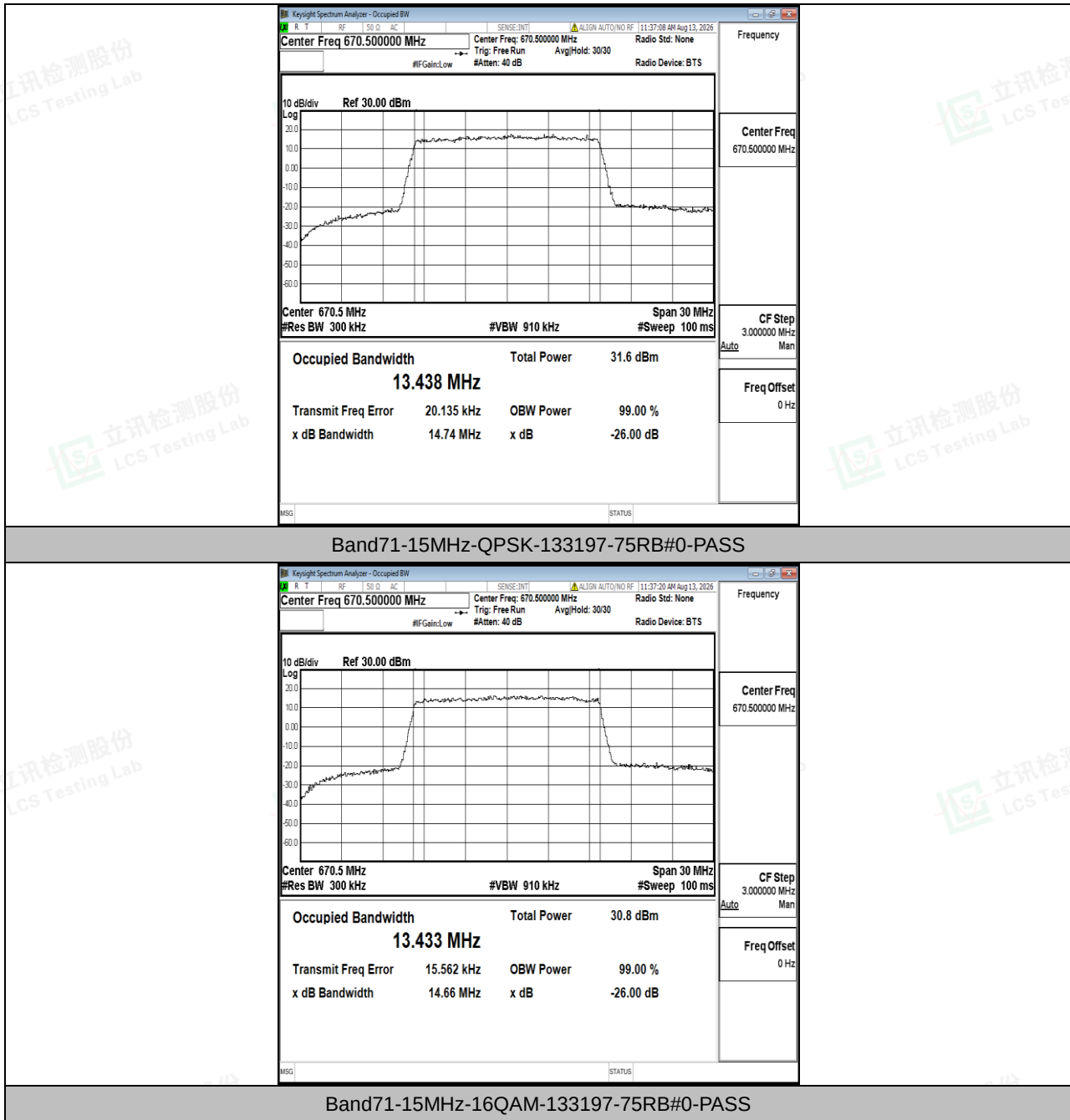


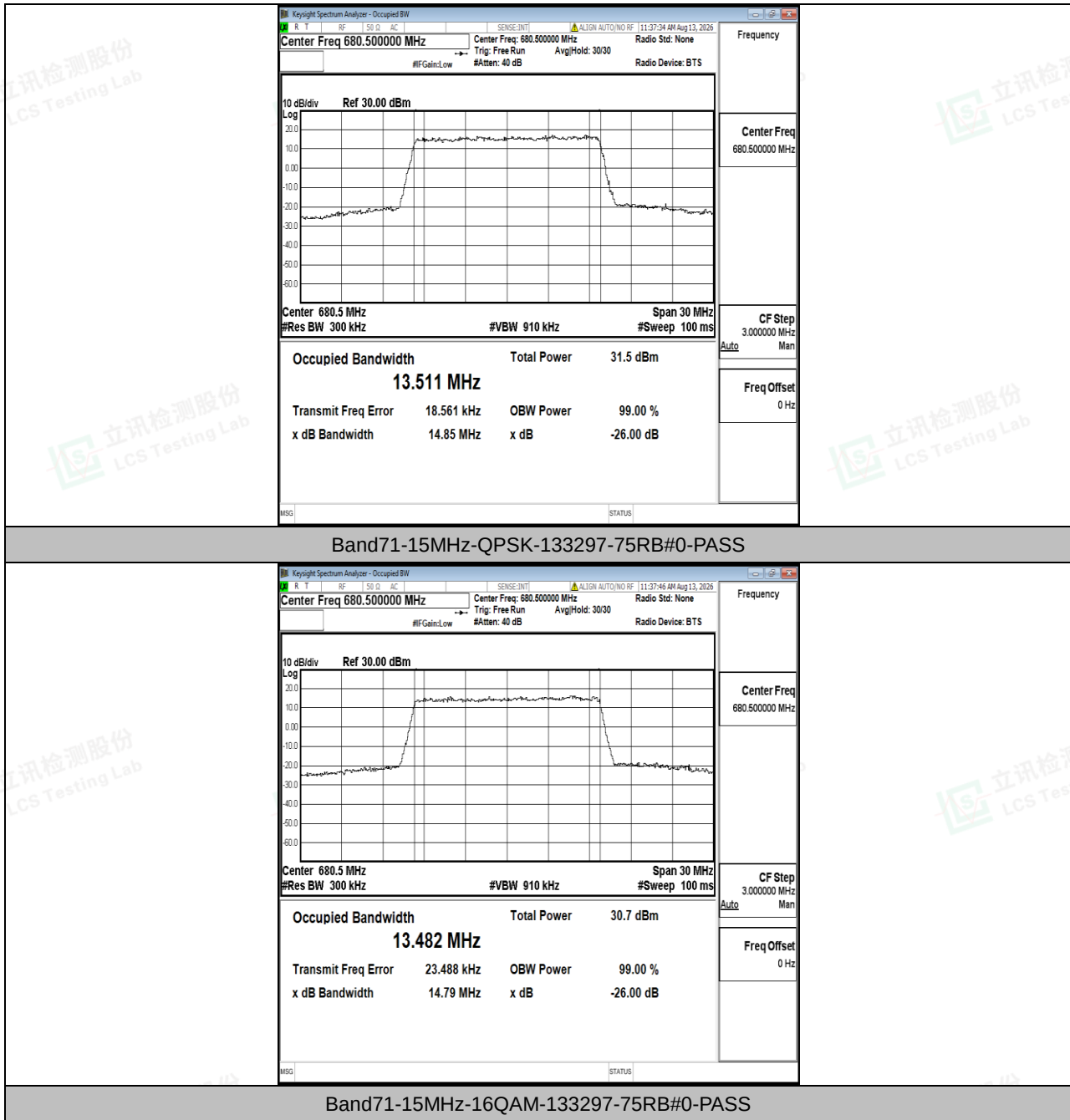


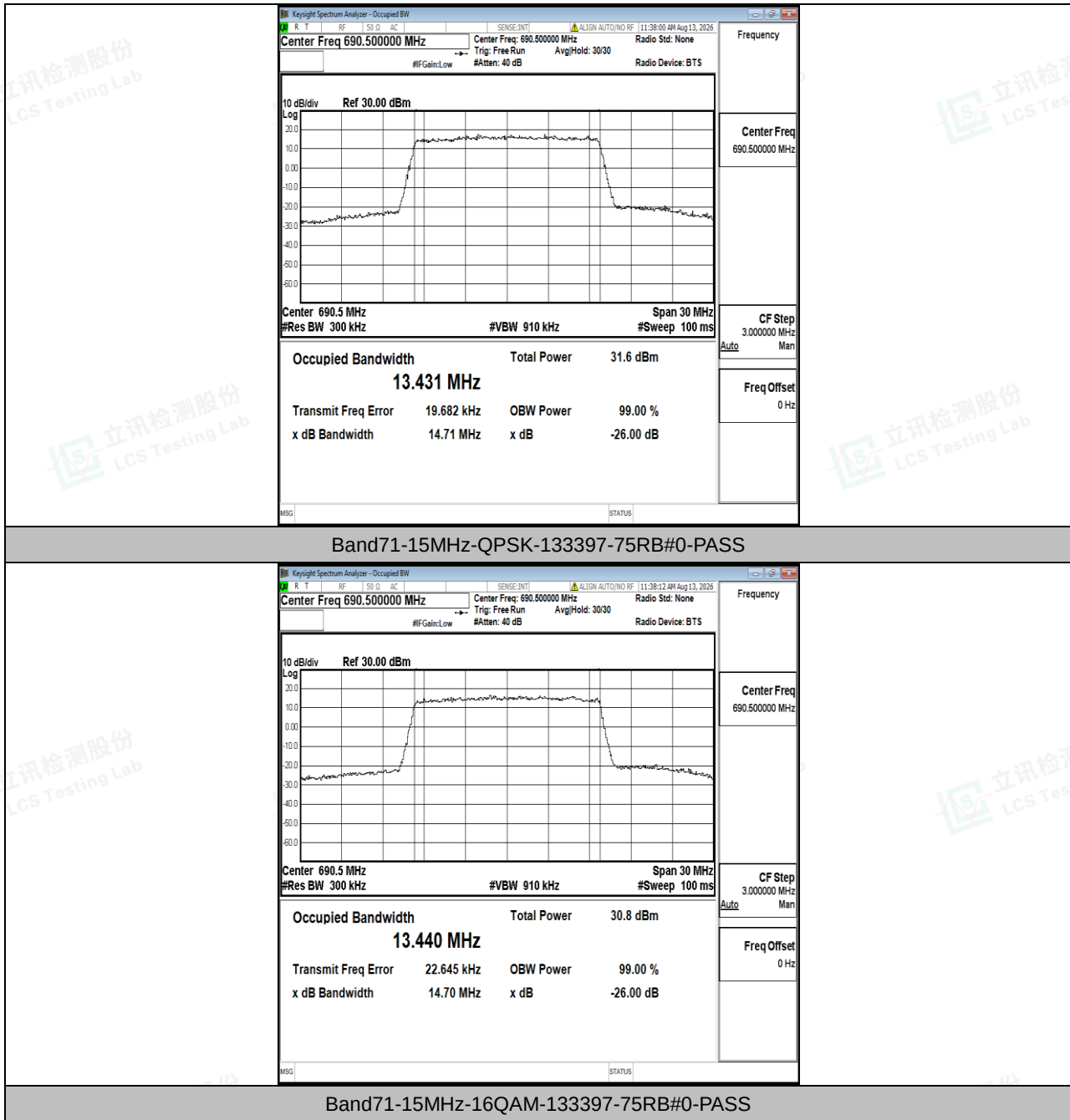


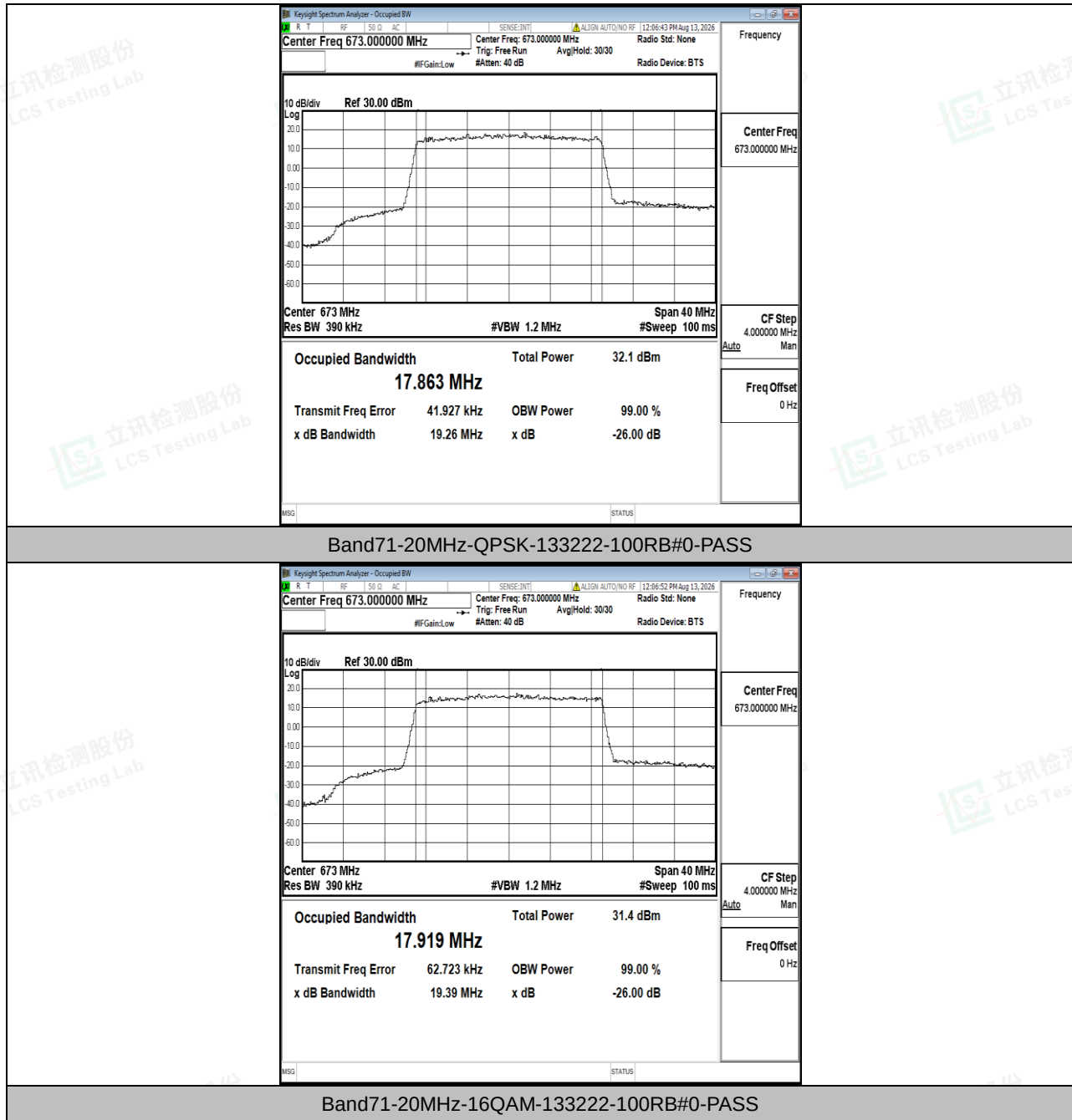


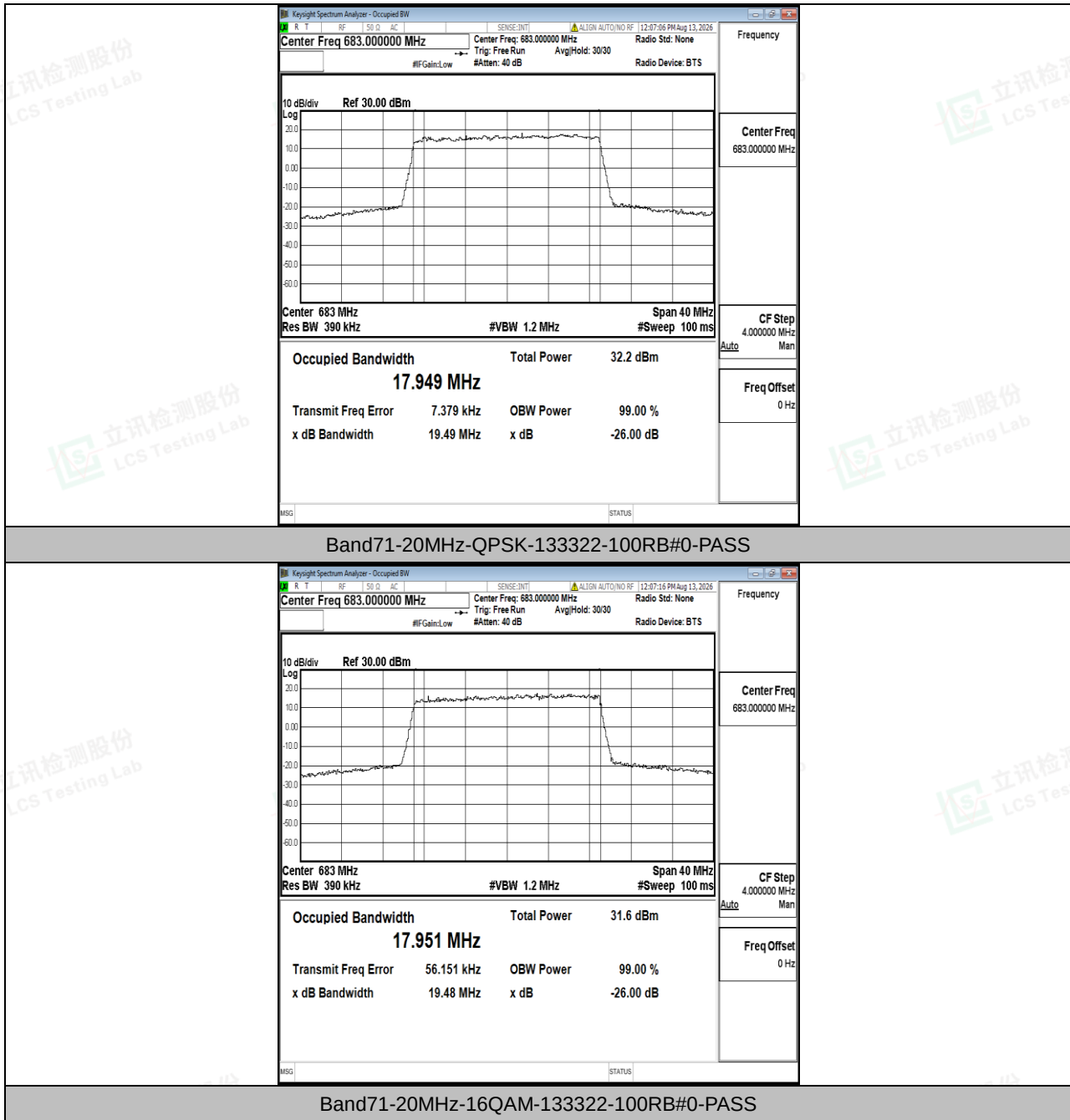


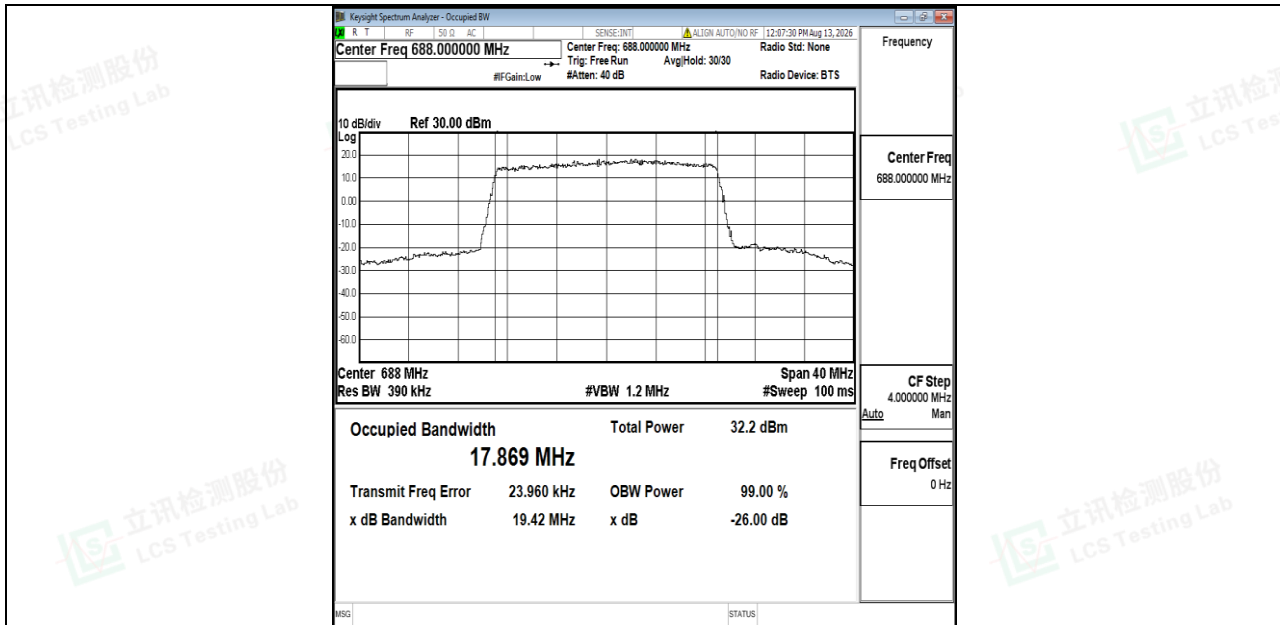




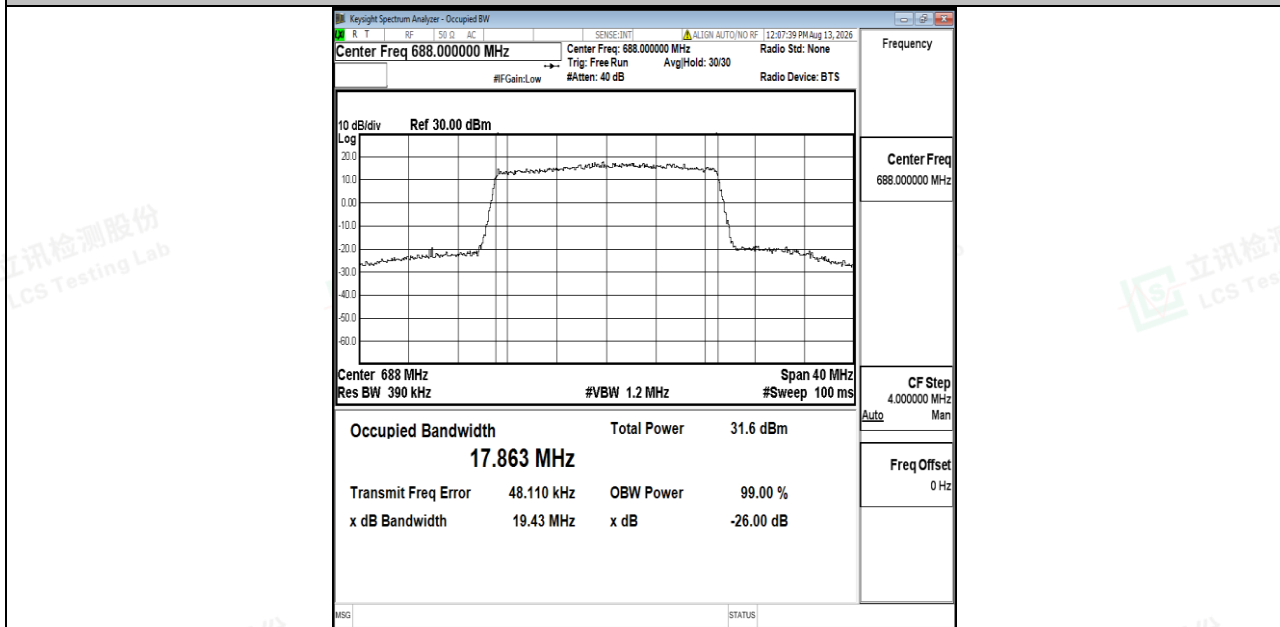








Band71-20MHz-QPSK-133372-100RB#0-PASS



Band71-20MHz-16QAM-133372-100RB#0-PASS



O.4 Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Peak Frequency	Result(dBm)	Verdict
Band71	5MHz	QPSK	133147	25RB#0	662.00	-25.00	PASS
Band71	5MHz	16QAM	133147	25RB#0	663.00	-24.00	PASS
Band71	5MHz	QPSK	133447	25RB#0	698.00	-25.00	PASS
Band71	5MHz	16QAM	133447	25RB#0	698.00	-25.00	PASS
Band71	10MHz	QPSK	133172	50RB#0	663.00	-28.00	PASS
Band71	10MHz	16QAM	133172	50RB#0	663.00	-30.00	PASS
Band71	10MHz	QPSK	133422	50RB#0	698.00	-28.00	PASS
Band71	10MHz	16QAM	133422	50RB#0	698.00	-28.00	PASS
Band71	15MHz	QPSK	133197	75RB#0	661.00	-30.00	PASS
Band71	15MHz	16QAM	133197	75RB#0	662.00	-30.00	PASS
Band71	15MHz	QPSK	133397	75RB#0	699.00	-27.00	PASS
Band71	15MHz	16QAM	133397	75RB#0	699.00	-28.00	PASS
Band71	20MHz	QPSK	133222	100RB#0	663.00	-31.00	PASS
Band71	20MHz	16QAM	133222	100RB#0	662.00	-32.00	PASS
Band71	20MHz	QPSK	133372	100RB#0	698.00	-29.00	PASS
Band71	20MHz	16QAM	133372	100RB#0	699.00	-30.00	PASS

Test Graphs

