



Appendix M: Test Data for E-UTRA Band 71

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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M.1 Conducted Output Power Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band71	5MHz	QPSK	133147	1RB#0	24.55	PASS
Band71	5MHz	16QAM	133147	1RB#0	23.73	PASS
Band71	5MHz	QPSK	133147	1RB#12	24.95	PASS
Band71	5MHz	16QAM	133147	1RB#12	23.74	PASS
Band71	5MHz	QPSK	133147	1RB#24	25.1	PASS
Band71	5MHz	16QAM	133147	1RB#24	23.85	PASS
Band71	5MHz	QPSK	133147	12RB#0	24.48	PASS
Band71	5MHz	16QAM	133147	12RB#0	23.42	PASS
Band71	5MHz	QPSK	133147	12RB#6	24.43	PASS
Band71	5MHz	16QAM	133147	12RB#6	23.42	PASS
Band71	5MHz	QPSK	133147	12RB#13	24.41	PASS
Band71	5MHz	16QAM	133147	12RB#13	23.33	PASS
Band71	5MHz	QPSK	133147	25RB#0	24.46	PASS
Band71	5MHz	16QAM	133147	25RB#0	23.52	PASS
Band71	5MHz	QPSK	133297	1RB#0	24.97	PASS
Band71	5MHz	16QAM	133297	1RB#0	24.04	PASS
Band71	5MHz	QPSK	133297	1RB#12	24.87	PASS
Band71	5MHz	16QAM	133297	1RB#12	24.13	PASS
Band71	5MHz	QPSK	133297	1RB#24	24.92	PASS
Band71	5MHz	16QAM	133297	1RB#24	24.11	PASS
Band71	5MHz	QPSK	133297	12RB#0	24.43	PASS
Band71	5MHz	16QAM	133297	12RB#0	23.38	PASS
Band71	5MHz	QPSK	133297	12RB#6	24.44	PASS
Band71	5MHz	16QAM	133297	12RB#6	23.44	PASS
Band71	5MHz	QPSK	133297	12RB#13	24.45	PASS
Band71	5MHz	16QAM	133297	12RB#13	23.38	PASS
Band71	5MHz	QPSK	133297	25RB#0	24.31	PASS
Band71	5MHz	16QAM	133297	25RB#0	23.28	PASS
Band71	5MHz	QPSK	133447	1RB#0	24.99	PASS
Band71	5MHz	16QAM	133447	1RB#0	24.11	PASS
Band71	5MHz	QPSK	133447	1RB#12	25.06	PASS
Band71	5MHz	16QAM	133447	1RB#12	24.24	PASS
Band71	5MHz	QPSK	133447	1RB#24	24.98	PASS
Band71	5MHz	16QAM	133447	1RB#24	24.15	PASS
Band71	5MHz	QPSK	133447	12RB#0	24.49	PASS



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Band71	5MHz	16QAM	133447	12RB#0	23.44	PASS
Band71	5MHz	QPSK	133447	12RB#6	24.34	PASS
Band71	5MHz	16QAM	133447	12RB#6	23.44	PASS
Band71	5MHz	QPSK	133447	12RB#13	24.38	PASS
Band71	5MHz	16QAM	133447	12RB#13	23.46	PASS
Band71	5MHz	QPSK	133447	25RB#0	24.4	PASS
Band71	5MHz	16QAM	133447	25RB#0	23.4	PASS
Band71	10MHz	QPSK	133172	1RB#0	24.73	PASS
Band71	10MHz	16QAM	133172	1RB#0	24.09	PASS
Band71	10MHz	QPSK	133172	1RB#24	24.64	PASS
Band71	10MHz	16QAM	133172	1RB#24	24.14	PASS
Band71	10MHz	QPSK	133172	1RB#49	24.83	PASS
Band71	10MHz	16QAM	133172	1RB#49	24.11	PASS
Band71	10MHz	QPSK	133172	25RB#0	24.25	PASS
Band71	10MHz	16QAM	133172	25RB#0	23.39	PASS
Band71	10MHz	QPSK	133172	25RB#12	24.34	PASS
Band71	10MHz	16QAM	133172	25RB#12	23.4	PASS
Band71	10MHz	QPSK	133172	25RB#25	24.02	PASS
Band71	10MHz	16QAM	133172	25RB#25	23.49	PASS
Band71	10MHz	QPSK	133172	50RB#0	24.29	PASS
Band71	10MHz	16QAM	133172	50RB#0	23.33	PASS
Band71	10MHz	QPSK	133297	1RB#0	24.79	PASS
Band71	10MHz	16QAM	133297	1RB#0	24.28	PASS
Band71	10MHz	QPSK	133297	1RB#24	24.71	PASS
Band71	10MHz	16QAM	133297	1RB#24	24.3	PASS
Band71	10MHz	QPSK	133297	1RB#49	24.7	PASS
Band71	10MHz	16QAM	133297	1RB#49	24.26	PASS
Band71	10MHz	QPSK	133297	25RB#0	24.34	PASS
Band71	10MHz	16QAM	133297	25RB#0	23.4	PASS
Band71	10MHz	QPSK	133297	25RB#12	24.13	PASS
Band71	10MHz	16QAM	133297	25RB#12	23.36	PASS
Band71	10MHz	QPSK	133297	25RB#25	24.44	PASS
Band71	10MHz	16QAM	133297	25RB#25	23.38	PASS
Band71	10MHz	QPSK	133297	50RB#0	24.31	PASS
Band71	10MHz	16QAM	133297	50RB#0	23.43	PASS
Band71	10MHz	QPSK	133422	1RB#0	24.72	PASS
Band71	10MHz	16QAM	133422	1RB#0	23.89	PASS
Band71	10MHz	QPSK	133422	1RB#24	24.65	PASS
Band71	10MHz	16QAM	133422	1RB#24	23.94	PASS
Band71	10MHz	QPSK	133422	1RB#49	24.68	PASS



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Band71	10MHz	16QAM	133422	1RB#49	23.87	PASS
Band71	10MHz	QPSK	133422	25RB#0	24.14	PASS
Band71	10MHz	16QAM	133422	25RB#0	23.24	PASS
Band71	10MHz	QPSK	133422	25RB#12	24.18	PASS
Band71	10MHz	16QAM	133422	25RB#12	23.21	PASS
Band71	10MHz	QPSK	133422	25RB#25	24.32	PASS
Band71	10MHz	16QAM	133422	25RB#25	23.2	PASS
Band71	10MHz	QPSK	133422	50RB#0	24.15	PASS
Band71	10MHz	16QAM	133422	50RB#0	23.33	PASS
Band71	15MHz	QPSK	133197	1RB#0	24.32	PASS
Band71	15MHz	16QAM	133197	1RB#0	24.16	PASS
Band71	15MHz	QPSK	133197	1RB#38	24.42	PASS
Band71	15MHz	16QAM	133197	1RB#38	24.1	PASS
Band71	15MHz	QPSK	133197	1RB#74	24.45	PASS
Band71	15MHz	16QAM	133197	1RB#74	24.1	PASS
Band71	15MHz	QPSK	133197	38RB#0	24.11	PASS
Band71	15MHz	16QAM	133197	38RB#0	23.99	PASS
Band71	15MHz	QPSK	133197	38RB#18	24.09	PASS
Band71	15MHz	16QAM	133197	38RB#18	24.1	PASS
Band71	15MHz	QPSK	133197	38RB#37	24.07	PASS
Band71	15MHz	16QAM	133197	38RB#37	24.07	PASS
Band71	15MHz	QPSK	133197	75RB#0	24.08	PASS
Band71	15MHz	16QAM	133197	75RB#0	23.3	PASS
Band71	15MHz	QPSK	133297	1RB#0	24.74	PASS
Band71	15MHz	16QAM	133297	1RB#0	24.26	PASS
Band71	15MHz	QPSK	133297	1RB#38	24.71	PASS
Band71	15MHz	16QAM	133297	1RB#38	24.37	PASS
Band71	15MHz	QPSK	133297	1RB#74	24.77	PASS
Band71	15MHz	16QAM	133297	1RB#74	24.39	PASS
Band71	15MHz	QPSK	133297	38RB#0	24.28	PASS
Band71	15MHz	16QAM	133297	38RB#0	24.29	PASS
Band71	15MHz	QPSK	133297	38RB#18	24.29	PASS
Band71	15MHz	16QAM	133297	38RB#18	24.36	PASS
Band71	15MHz	QPSK	133297	38RB#37	24.36	PASS
Band71	15MHz	16QAM	133297	38RB#37	24.32	PASS
Band71	15MHz	QPSK	133297	75RB#0	24.33	PASS
Band71	15MHz	16QAM	133297	75RB#0	23.38	PASS
Band71	15MHz	QPSK	133397	1RB#0	24.73	PASS
Band71	15MHz	16QAM	133397	1RB#0	23.94	PASS
Band71	15MHz	QPSK	133397	1RB#38	24.68	PASS



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Band71	15MHz	16QAM	133397	1RB#38	23.86	PASS
Band71	15MHz	QPSK	133397	1RB#74	24.7	PASS
Band71	15MHz	16QAM	133397	1RB#74	23.87	PASS
Band71	15MHz	QPSK	133397	38RB#0	23.87	PASS
Band71	15MHz	16QAM	133397	38RB#0	23.86	PASS
Band71	15MHz	QPSK	133397	38RB#18	23.91	PASS
Band71	15MHz	16QAM	133397	38RB#18	23.88	PASS
Band71	15MHz	QPSK	133397	38RB#37	23.92	PASS
Band71	15MHz	16QAM	133397	38RB#37	23.88	PASS
Band71	15MHz	QPSK	133397	75RB#0	24.21	PASS
Band71	15MHz	16QAM	133397	75RB#0	23.3	PASS
Band71	20MHz	QPSK	133222	1RB#0	24.8	PASS
Band71	20MHz	16QAM	133222	1RB#0	24.79	PASS
Band71	20MHz	QPSK	133222	1RB#49	24.88	PASS
Band71	20MHz	16QAM	133222	1RB#49	24.9	PASS
Band71	20MHz	QPSK	133222	1RB#99	24.9	PASS
Band71	20MHz	16QAM	133222	1RB#99	24.84	PASS
Band71	20MHz	QPSK	133222	50RB#0	24.21	PASS
Band71	20MHz	16QAM	133222	50RB#0	23.37	PASS
Band71	20MHz	QPSK	133222	50RB#25	24.24	PASS
Band71	20MHz	16QAM	133222	50RB#25	23.43	PASS
Band71	20MHz	QPSK	133222	50RB#50	24.33	PASS
Band71	20MHz	16QAM	133222	50RB#50	23.25	PASS
Band71	20MHz	QPSK	133222	100RB#0	24.28	PASS
Band71	20MHz	16QAM	133222	100RB#0	23.29	PASS
Band71	20MHz	QPSK	133322	1RB#0	24.69	PASS
Band71	20MHz	16QAM	133322	1RB#0	24.12	PASS
Band71	20MHz	QPSK	133322	1RB#49	24.8	PASS
Band71	20MHz	16QAM	133322	1RB#49	24.08	PASS
Band71	20MHz	QPSK	133322	1RB#99	24.69	PASS
Band71	20MHz	16QAM	133322	1RB#99	24.15	PASS
Band71	20MHz	QPSK	133322	50RB#0	24.21	PASS
Band71	20MHz	16QAM	133322	50RB#0	23.4	PASS
Band71	20MHz	QPSK	133322	50RB#25	24.27	PASS
Band71	20MHz	16QAM	133322	50RB#25	23.23	PASS
Band71	20MHz	QPSK	133322	50RB#50	24.4	PASS
Band71	20MHz	16QAM	133322	50RB#50	23.34	PASS
Band71	20MHz	QPSK	133322	100RB#0	24.27	PASS
Band71	20MHz	16QAM	133322	100RB#0	23.26	PASS
Band71	20MHz	QPSK	133372	1RB#0	24.79	PASS



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Band71	20MHz	16QAM	133372	1RB#0	23.91	PASS
Band71	20MHz	QPSK	133372	1RB#49	24.81	PASS
Band71	20MHz	16QAM	133372	1RB#49	23.96	PASS
Band71	20MHz	QPSK	133372	1RB#99	24.77	PASS
Band71	20MHz	16QAM	133372	1RB#99	23.82	PASS
Band71	20MHz	QPSK	133372	50RB#0	24.29	PASS
Band71	20MHz	16QAM	133372	50RB#0	23.39	PASS
Band71	20MHz	QPSK	133372	50RB#25	24.3	PASS
Band71	20MHz	16QAM	133372	50RB#25	23.39	PASS
Band71	20MHz	QPSK	133372	50RB#50	24.15	PASS
Band71	20MHz	16QAM	133372	50RB#50	23.33	PASS
Band71	20MHz	QPSK	133372	100RB#0	24.29	PASS
Band71	20MHz	16QAM	133372	100RB#0	23.35	PASS



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M.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	4.47	13	PASS
Band71	5MHz	16QAM	133147	1RB#0	5.32	13	PASS
Band71	5MHz	QPSK	133147	25RB#0	5.73	13	PASS
Band71	5MHz	16QAM	133147	25RB#0	6.47	13	PASS
Band71	5MHz	QPSK	133297	1RB#0	5.29	13	PASS
Band71	5MHz	16QAM	133297	1RB#0	6.14	13	PASS
Band71	5MHz	QPSK	133297	25RB#0	5.84	13	PASS
Band71	5MHz	16QAM	133297	25RB#0	6.57	13	PASS
Band71	5MHz	QPSK	133447	1RB#0	5.01	13	PASS
Band71	5MHz	16QAM	133447	1RB#0	5.89	13	PASS
Band71	5MHz	QPSK	133447	25RB#0	5.70	13	PASS
Band71	5MHz	16QAM	133447	25RB#0	6.42	13	PASS
Band71	10MHz	QPSK	133172	1RB#0	4.60	13	PASS
Band71	10MHz	16QAM	133172	1RB#0	5.43	13	PASS
Band71	10MHz	QPSK	133172	50RB#0	5.76	13	PASS
Band71	10MHz	16QAM	133172	50RB#0	6.49	13	PASS
Band71	10MHz	QPSK	133297	1RB#0	5.26	13	PASS
Band71	10MHz	16QAM	133297	1RB#0	6.14	13	PASS
Band71	10MHz	QPSK	133297	50RB#0	5.89	13	PASS
Band71	10MHz	16QAM	133297	50RB#0	6.63	13	PASS
Band71	10MHz	QPSK	133422	1RB#0	4.80	13	PASS
Band71	10MHz	16QAM	133422	1RB#0	5.68	13	PASS
Band71	10MHz	QPSK	133422	50RB#0	5.77	13	PASS
Band71	10MHz	16QAM	133422	50RB#0	6.51	13	PASS
Band71	15MHz	QPSK	133197	1RB#0	5.17	13	PASS
Band71	15MHz	16QAM	133197	1RB#0	5.92	13	PASS
Band71	15MHz	QPSK	133197	75RB#0	6.02	13	PASS
Band71	15MHz	16QAM	133197	75RB#0	6.57	13	PASS
Band71	15MHz	QPSK	133297	1RB#0	5.55	13	PASS
Band71	15MHz	16QAM	133297	1RB#0	6.07	13	PASS
Band71	15MHz	QPSK	133297	75RB#0	6.17	13	PASS
Band71	15MHz	16QAM	133297	75RB#0	6.71	13	PASS
Band71	15MHz	QPSK	133397	1RB#0	5.36	13	PASS
Band71	15MHz	16QAM	133397	1RB#0	5.98	13	PASS
Band71	15MHz	QPSK	133397	75RB#0	6.00	13	PASS



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Band71	15MHz	16QAM	133397	75RB#0	6.55	13	PASS
Band71	20MHz	QPSK	133222	1RB#0	4.64	13	PASS
Band71	20MHz	16QAM	133222	1RB#0	5.44	13	PASS
Band71	20MHz	QPSK	133222	100RB#0	5.71	13	PASS
Band71	20MHz	16QAM	133222	100RB#0	6.54	13	PASS
Band71	20MHz	QPSK	133322	1RB#0	5.23	13	PASS
Band71	20MHz	16QAM	133322	1RB#0	5.94	13	PASS
Band71	20MHz	QPSK	133322	100RB#0	5.79	13	PASS
Band71	20MHz	16QAM	133322	100RB#0	6.60	13	PASS
Band71	20MHz	QPSK	133372	1RB#0	5.54	13	PASS
Band71	20MHz	16QAM	133372	1RB#0	6.05	13	PASS
Band71	20MHz	QPSK	133372	100RB#0	5.77	13	PASS
Band71	20MHz	16QAM	133372	100RB#0	6.48	13	PASS



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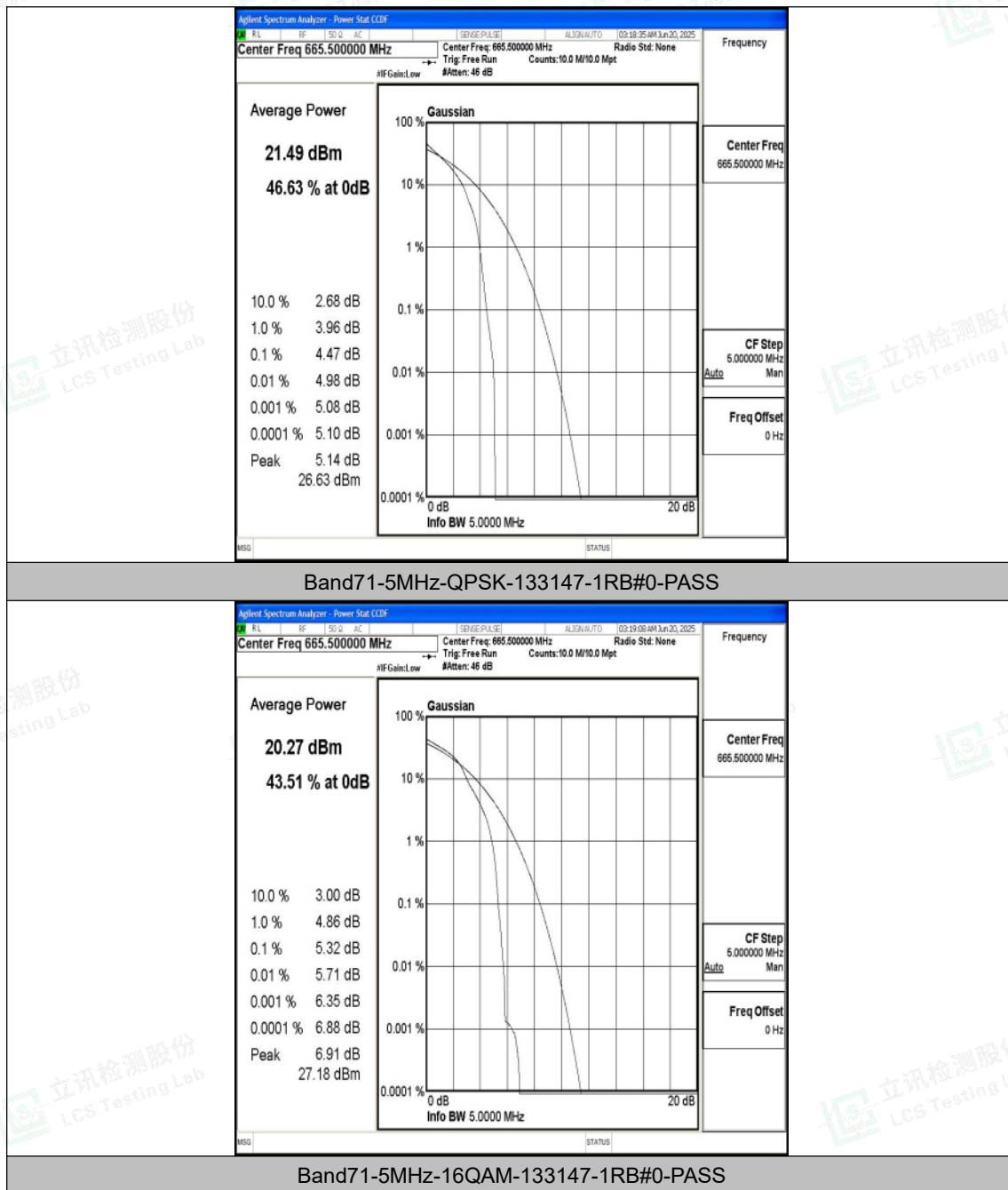
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Test Graphs

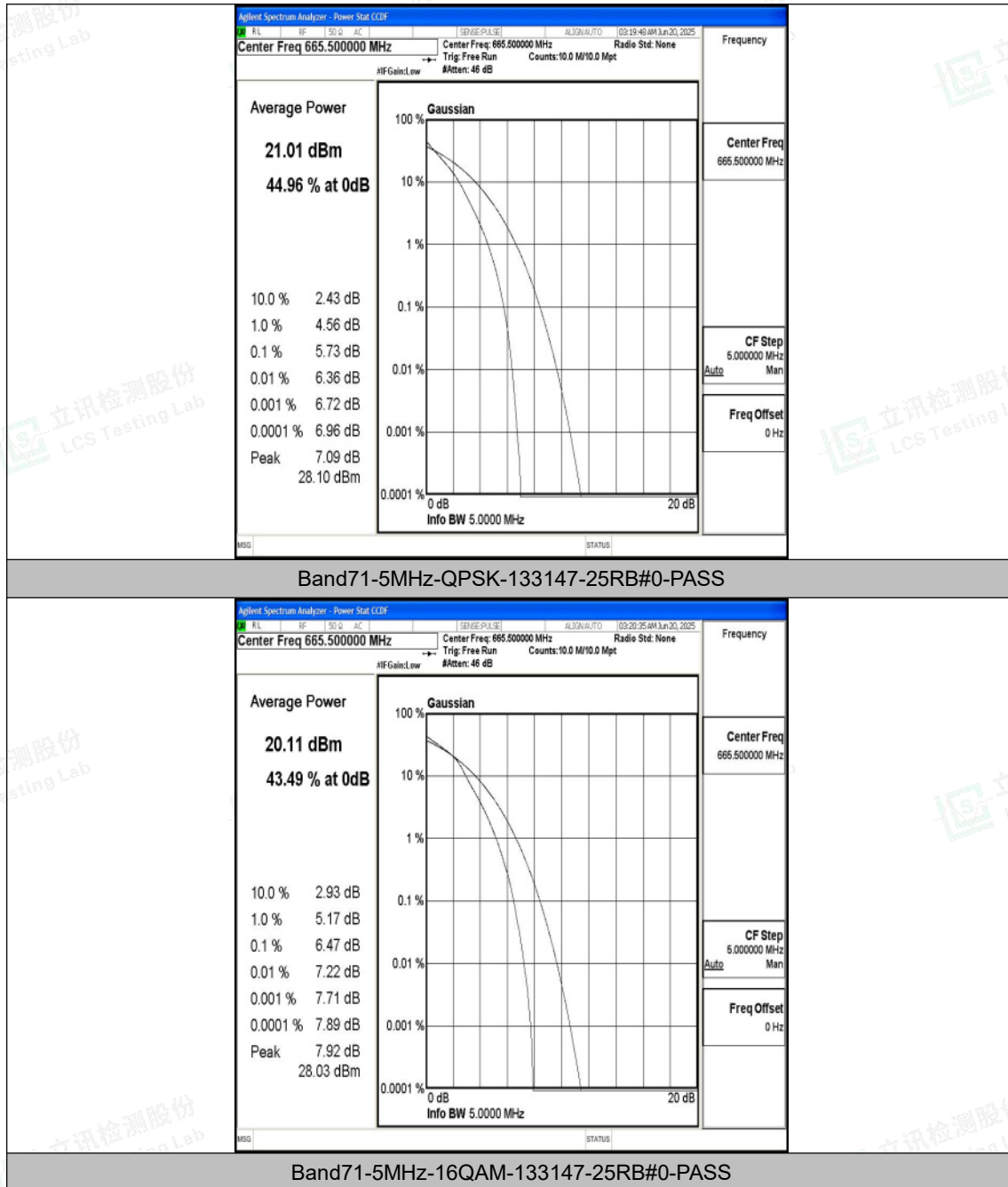


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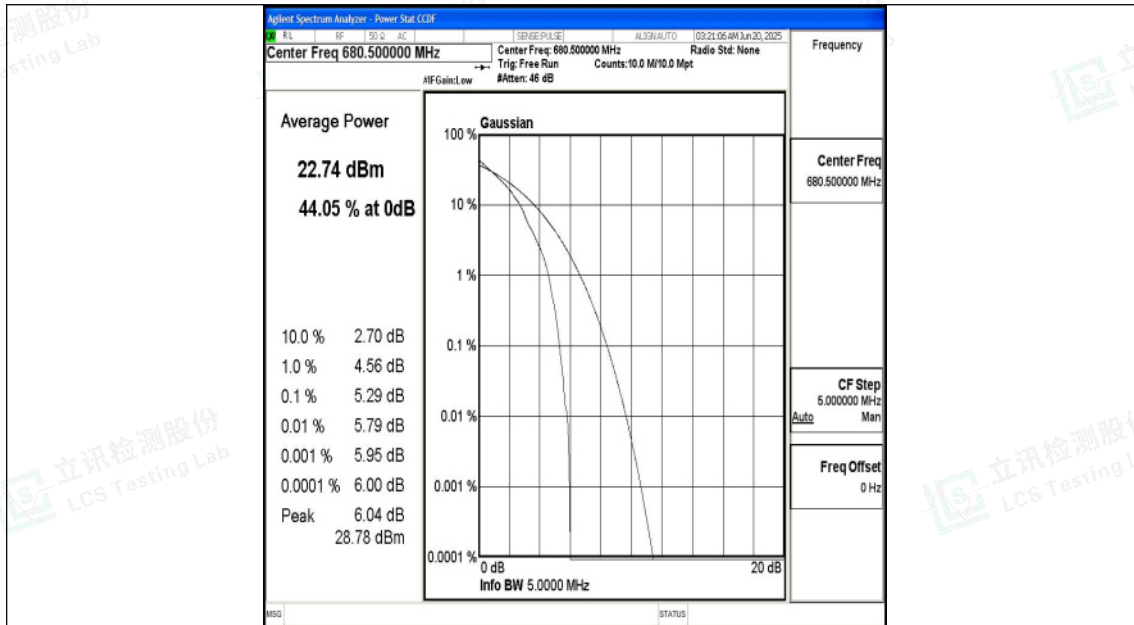


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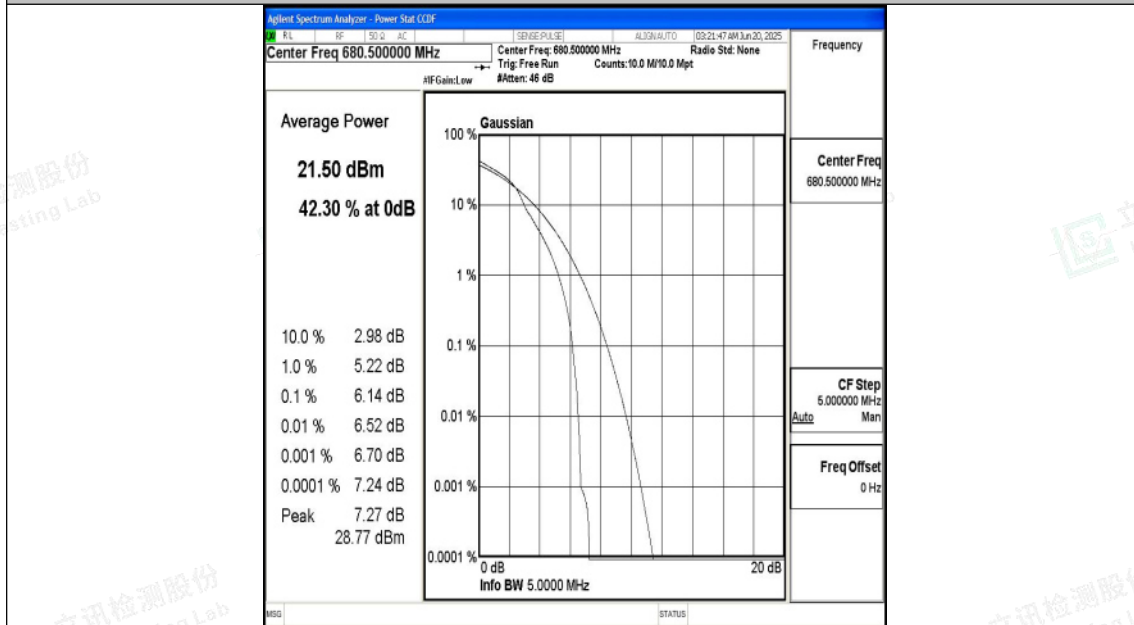
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Band71-5MHz-QPSK-133297-1RB#0-PASS



Band71-5MHz-16QAM-133297-1RB#0-PASS

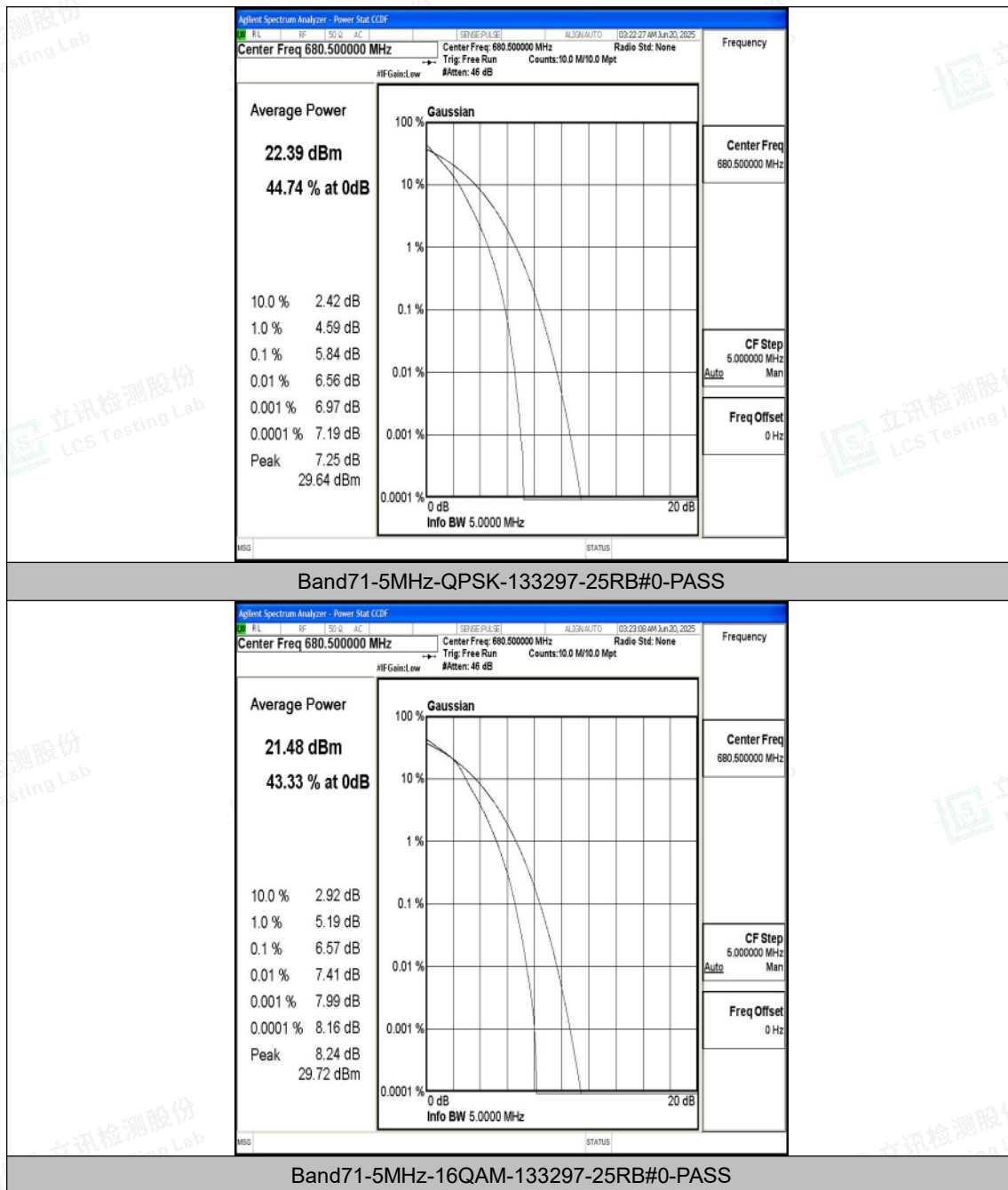


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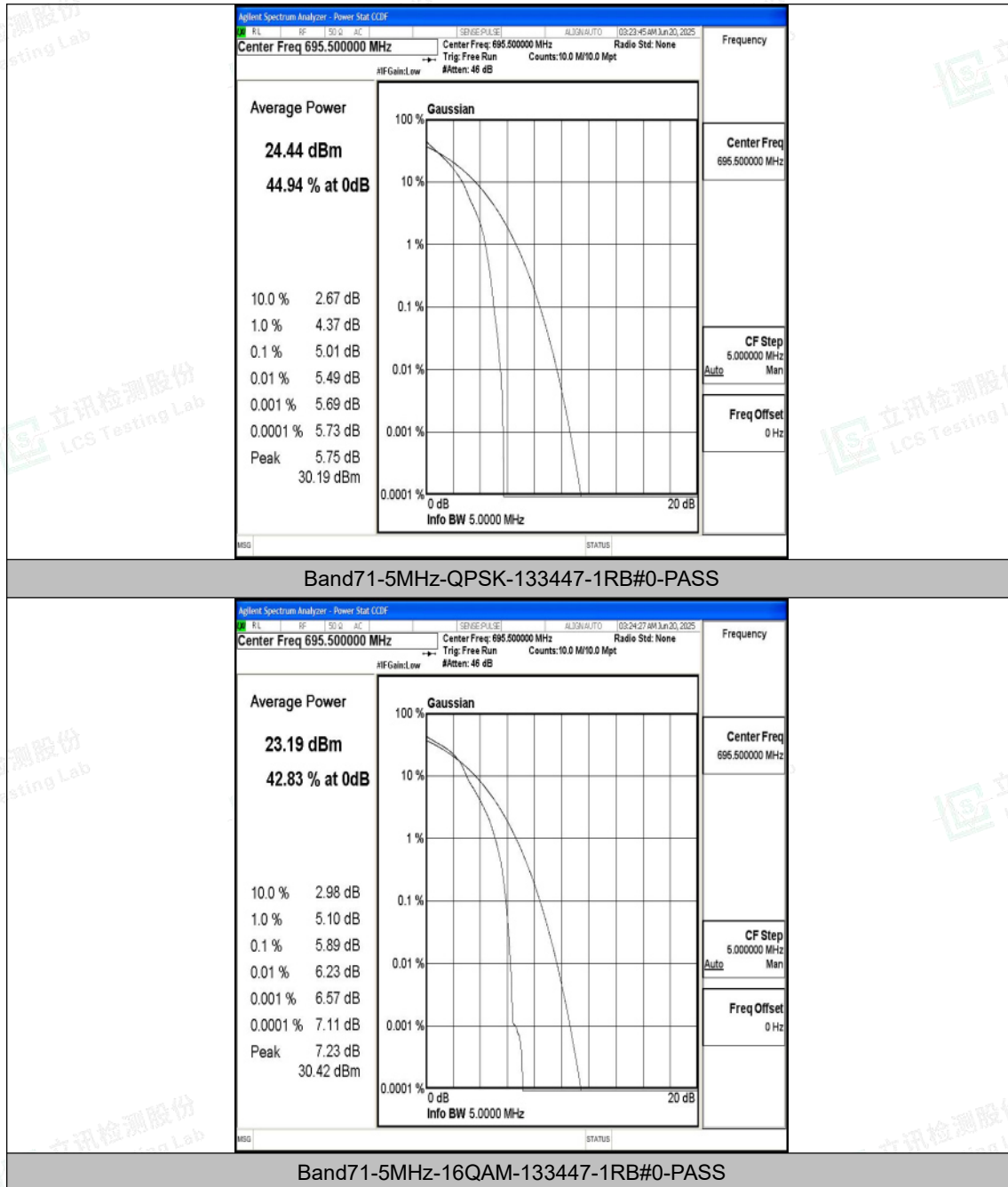


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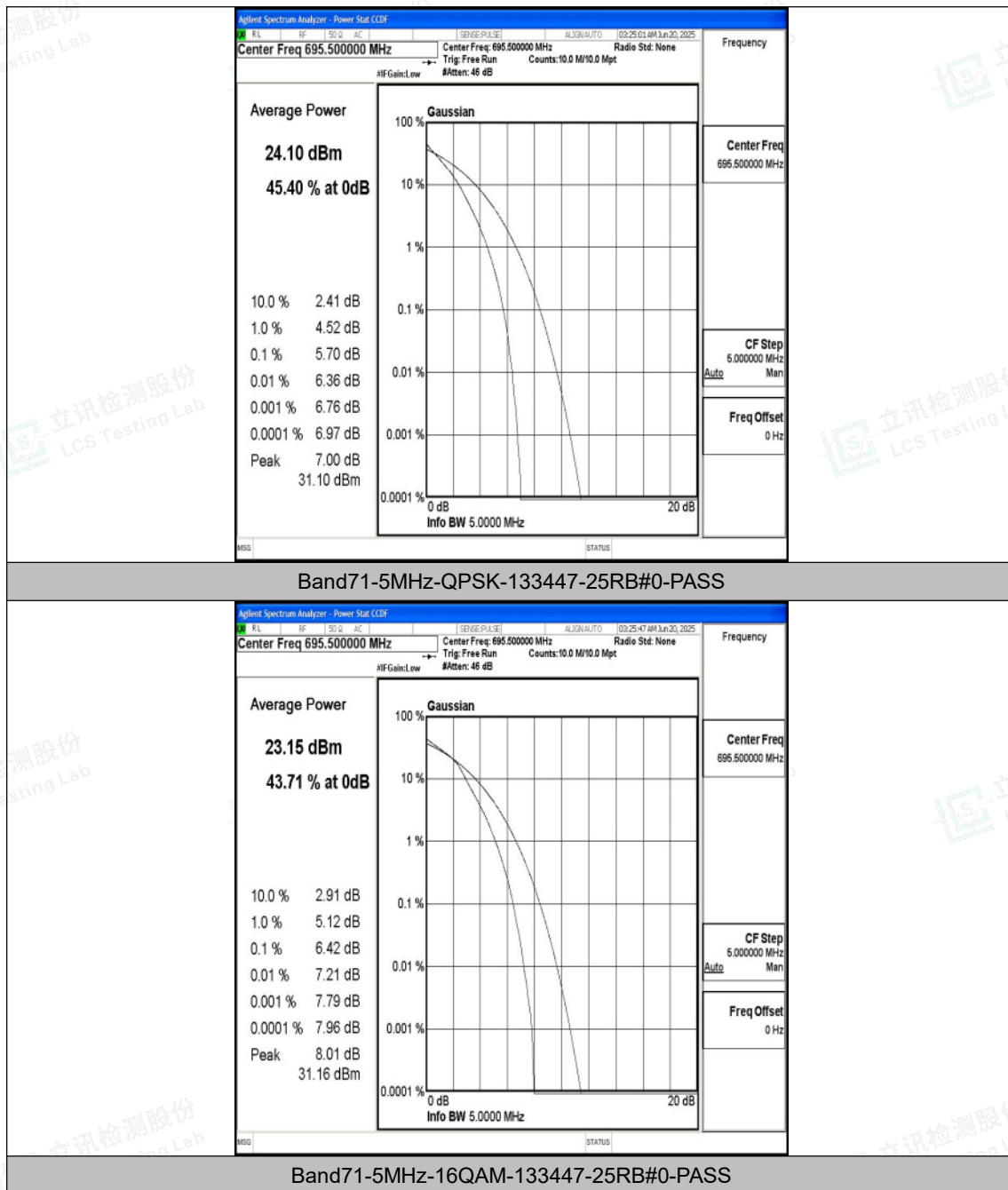


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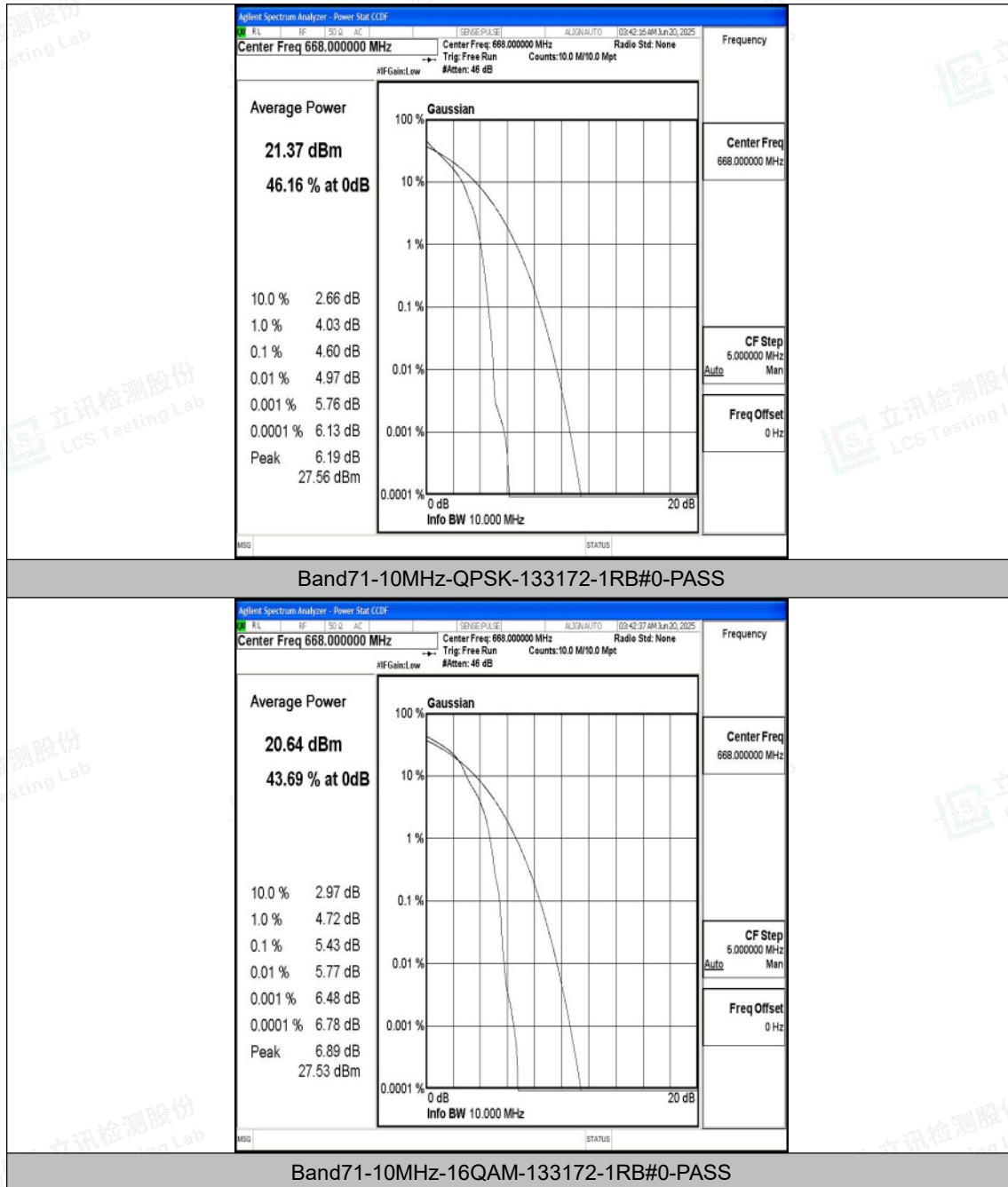


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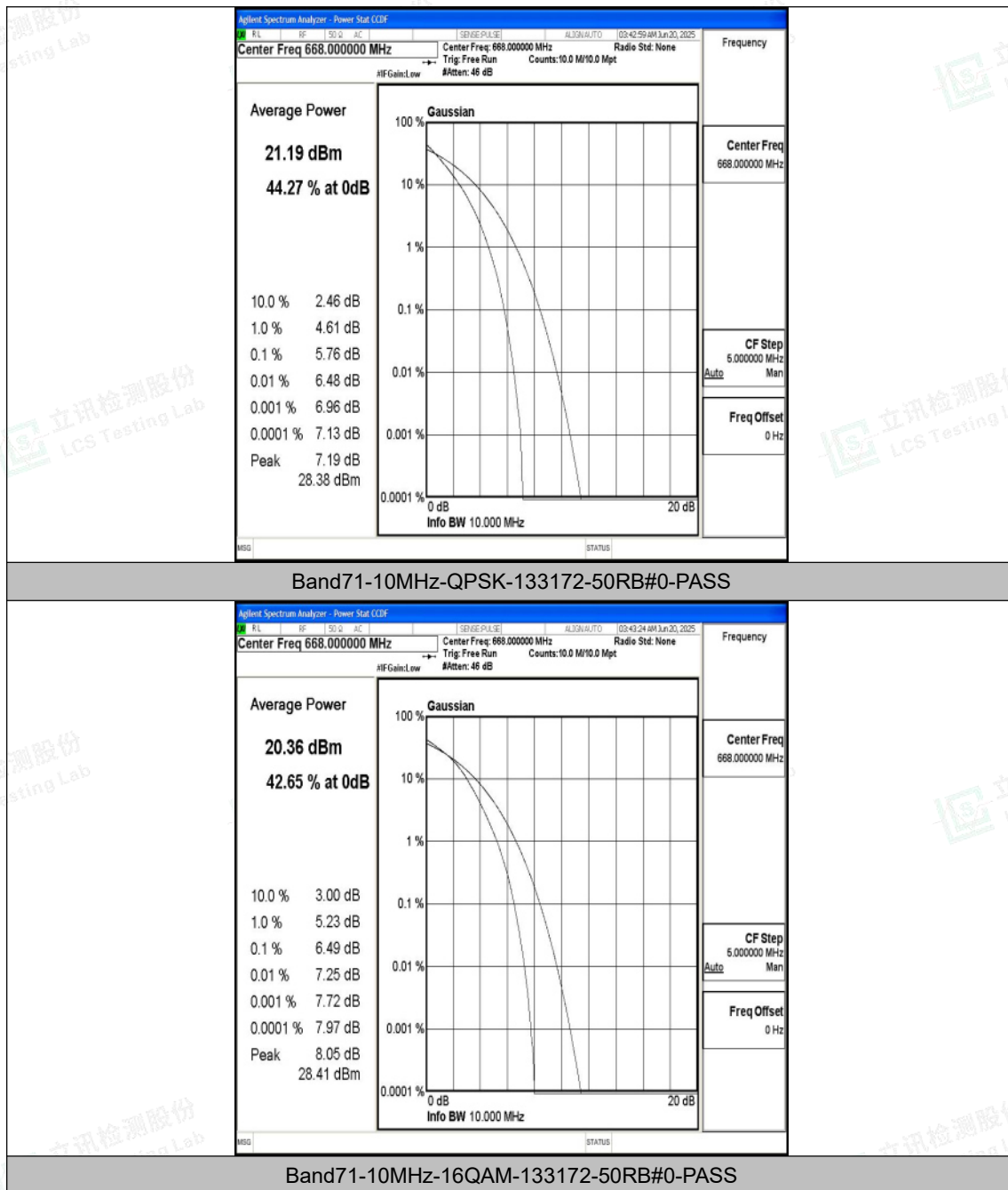


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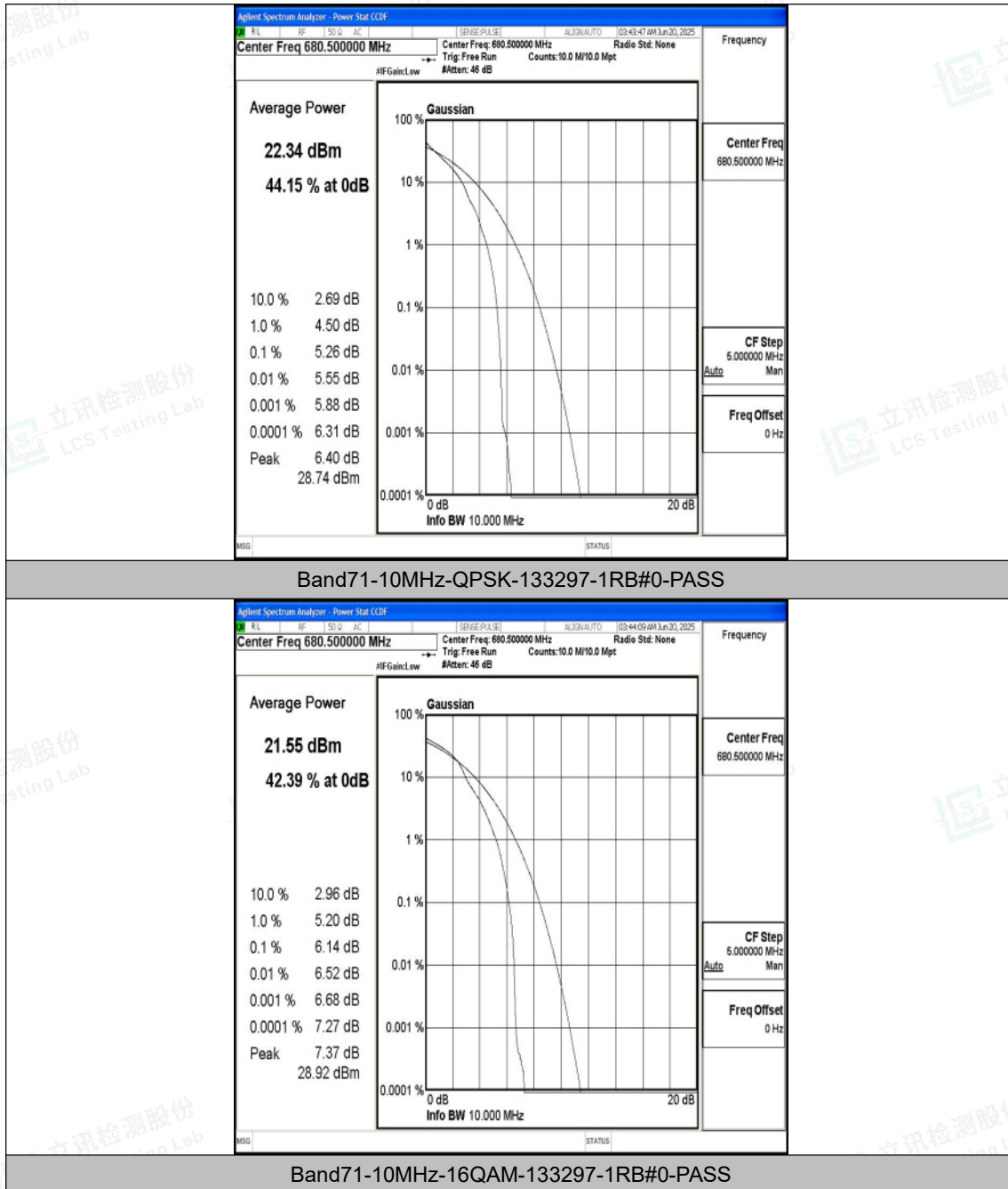


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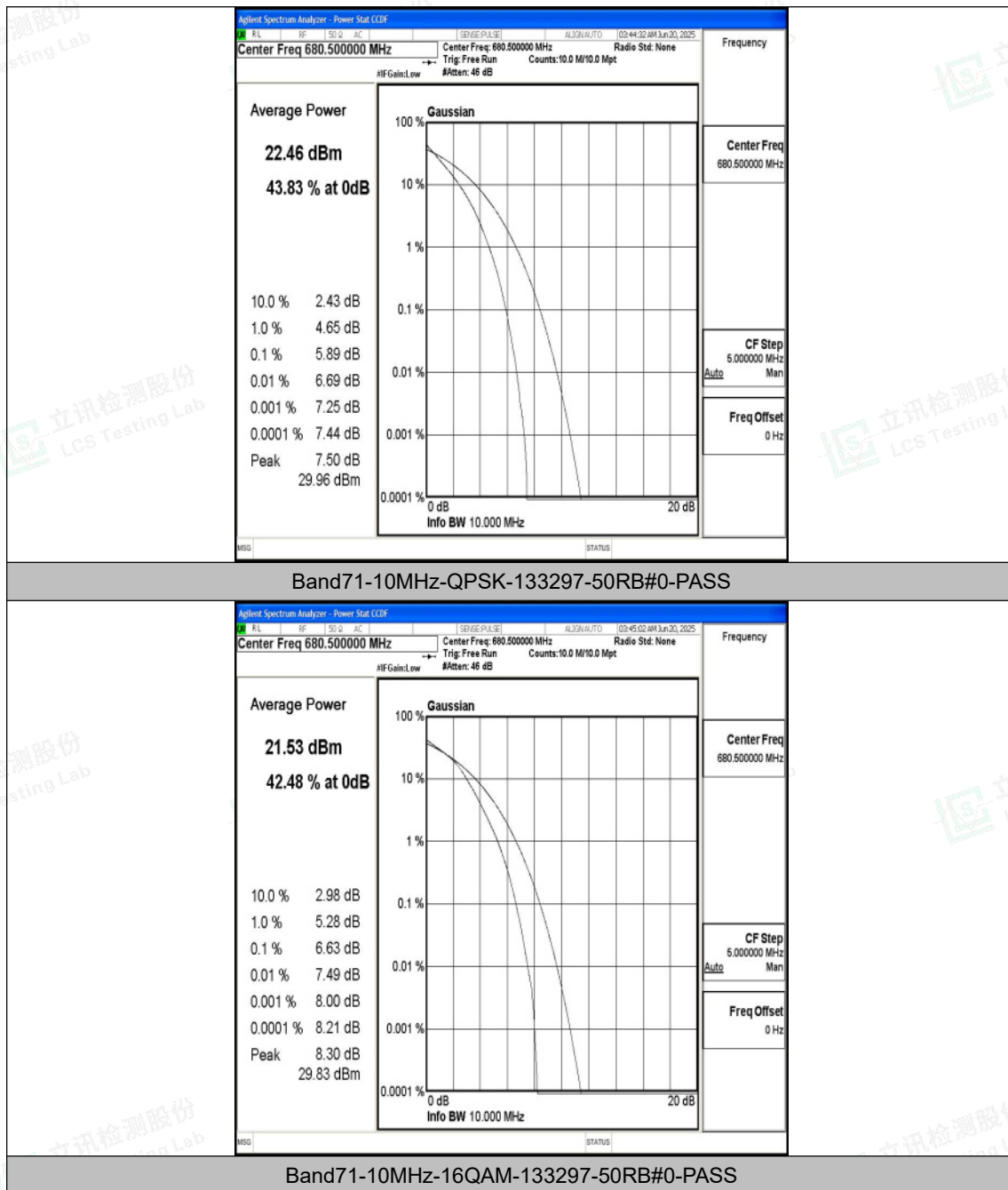


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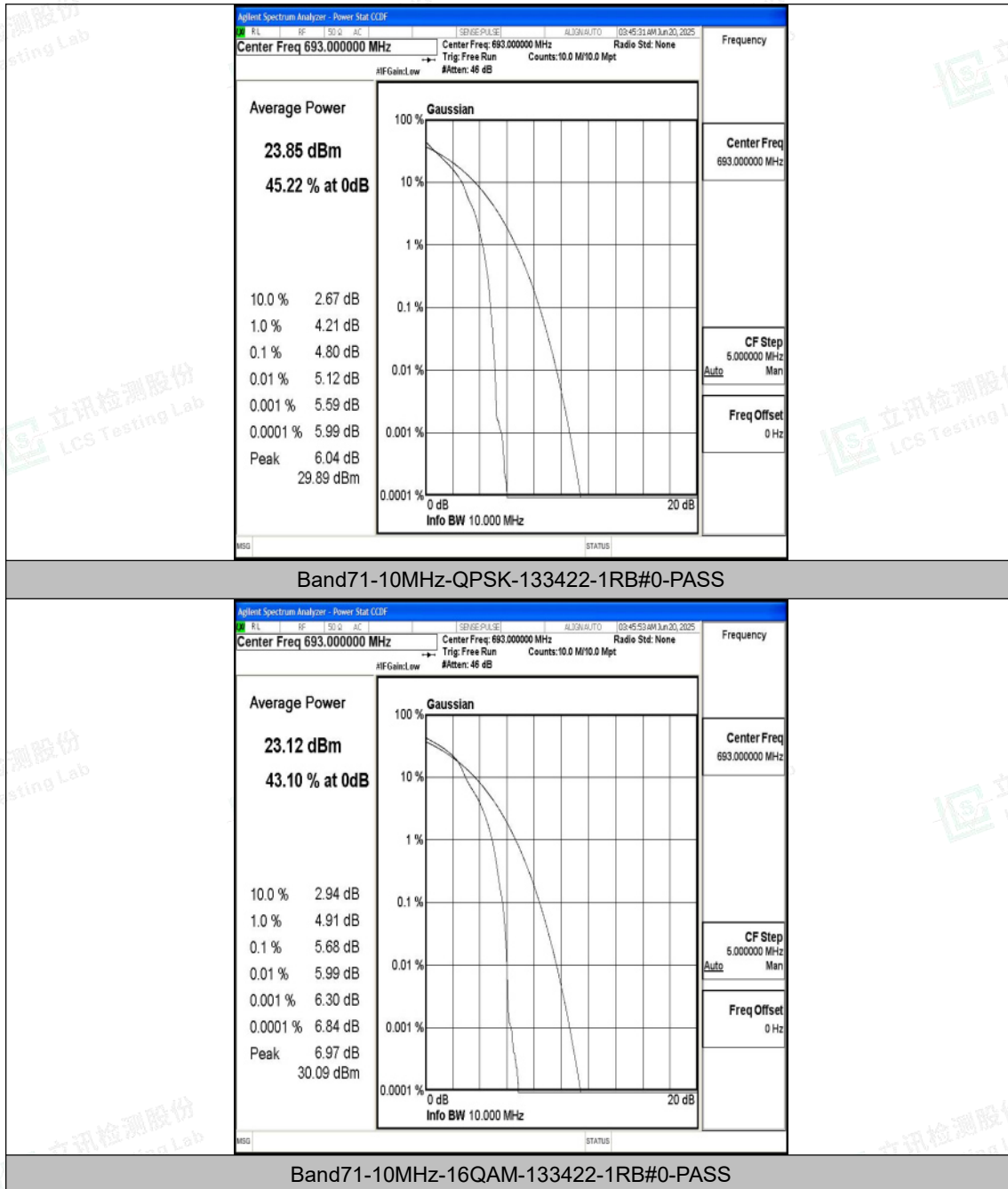


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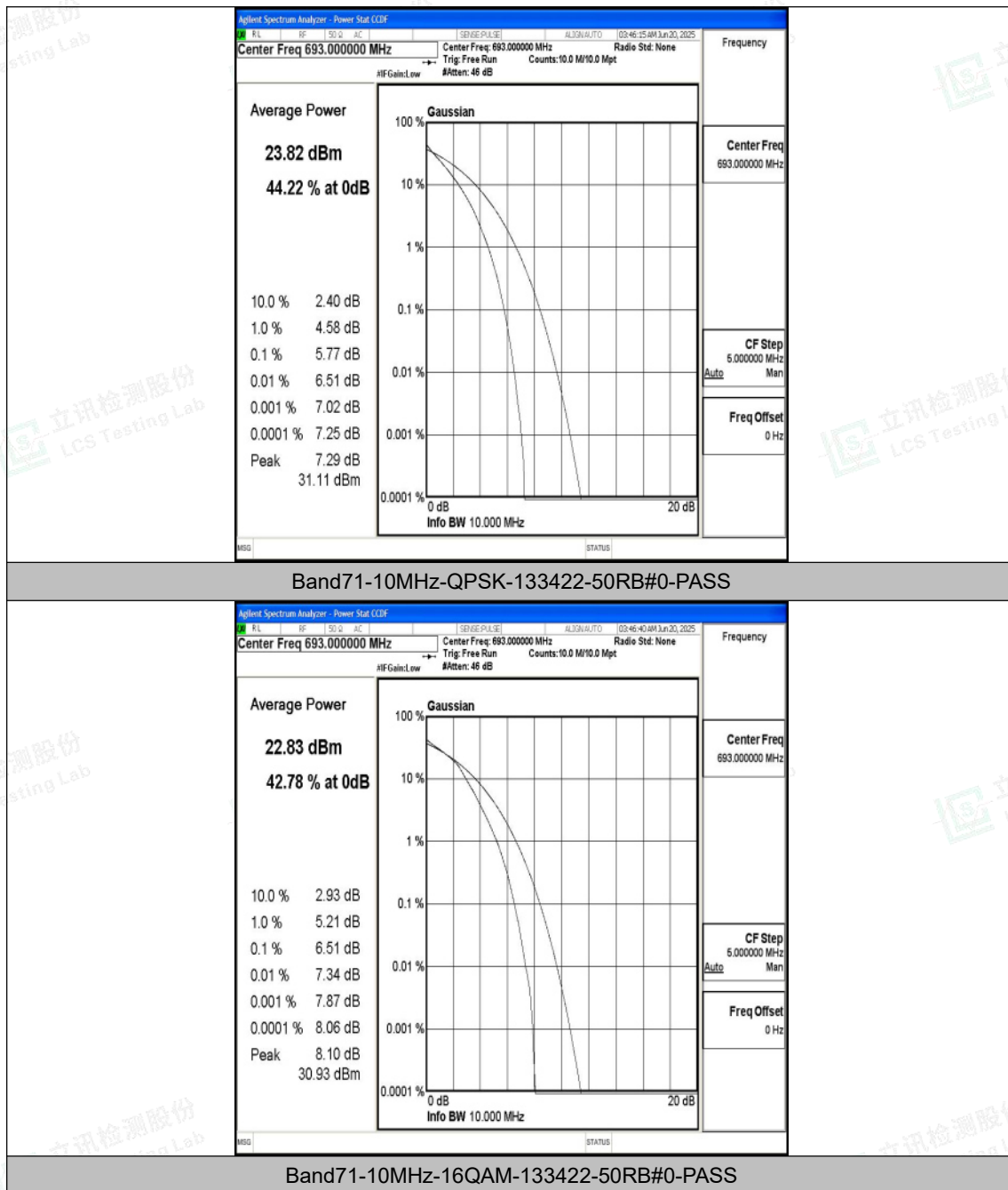


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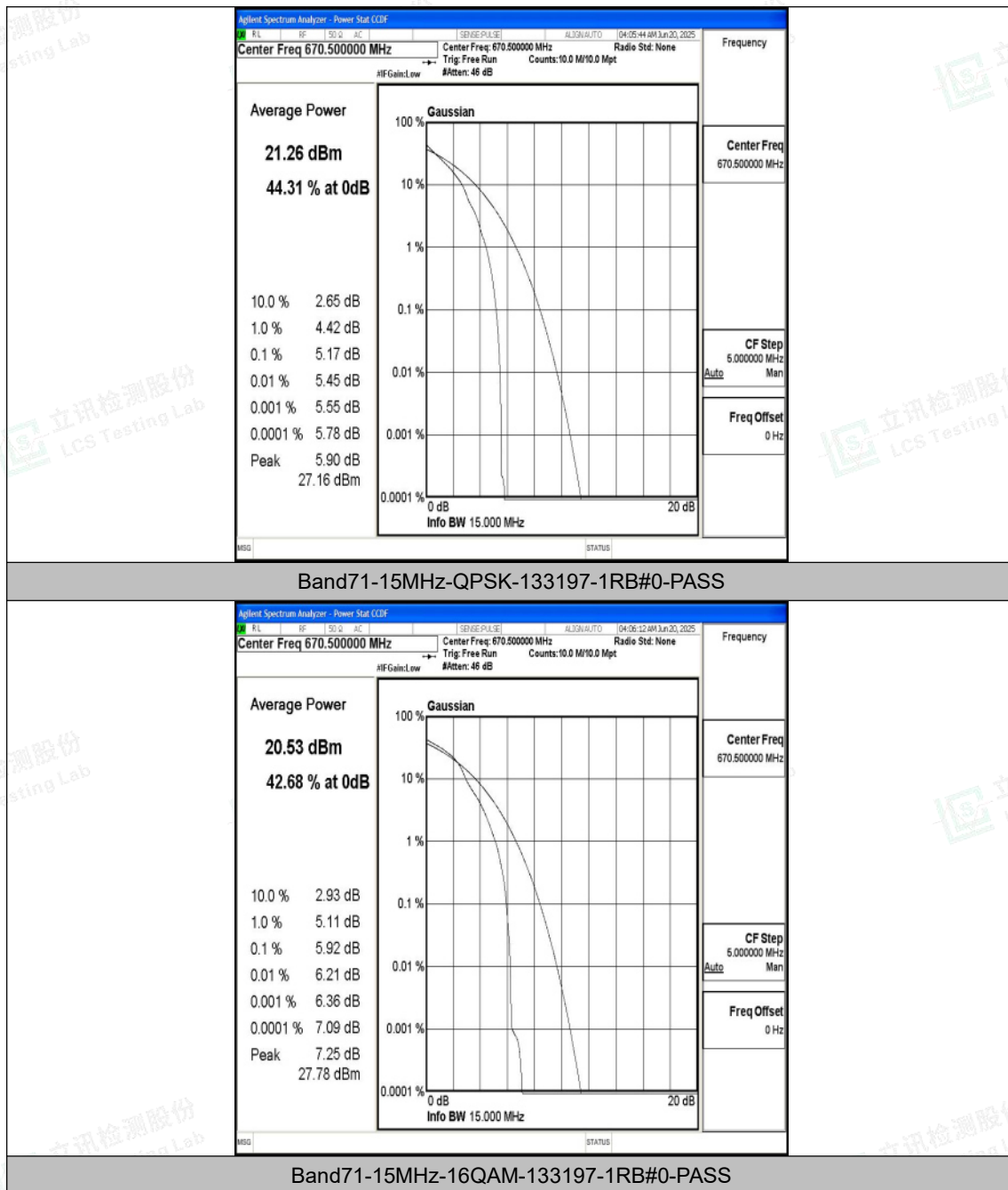


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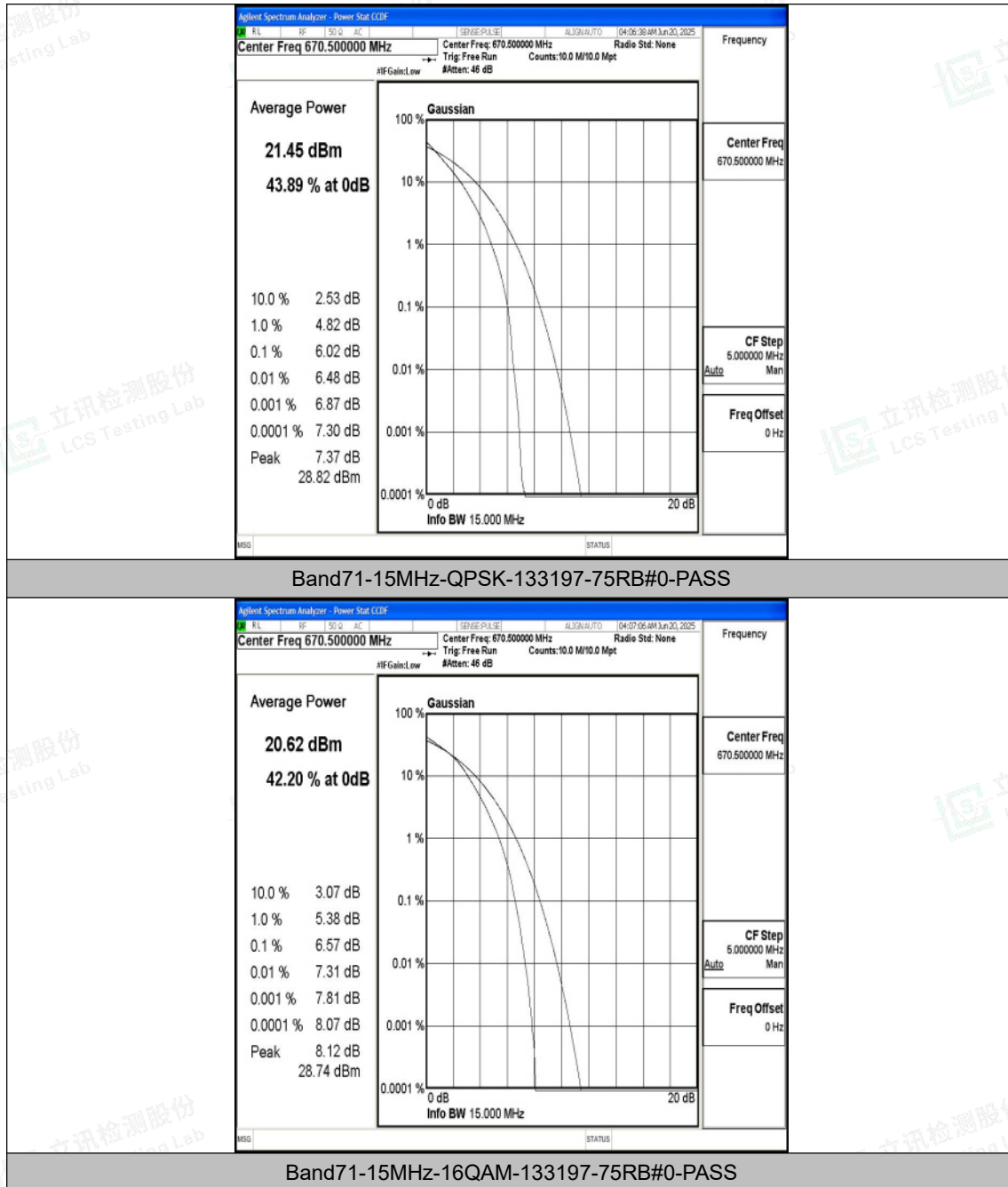


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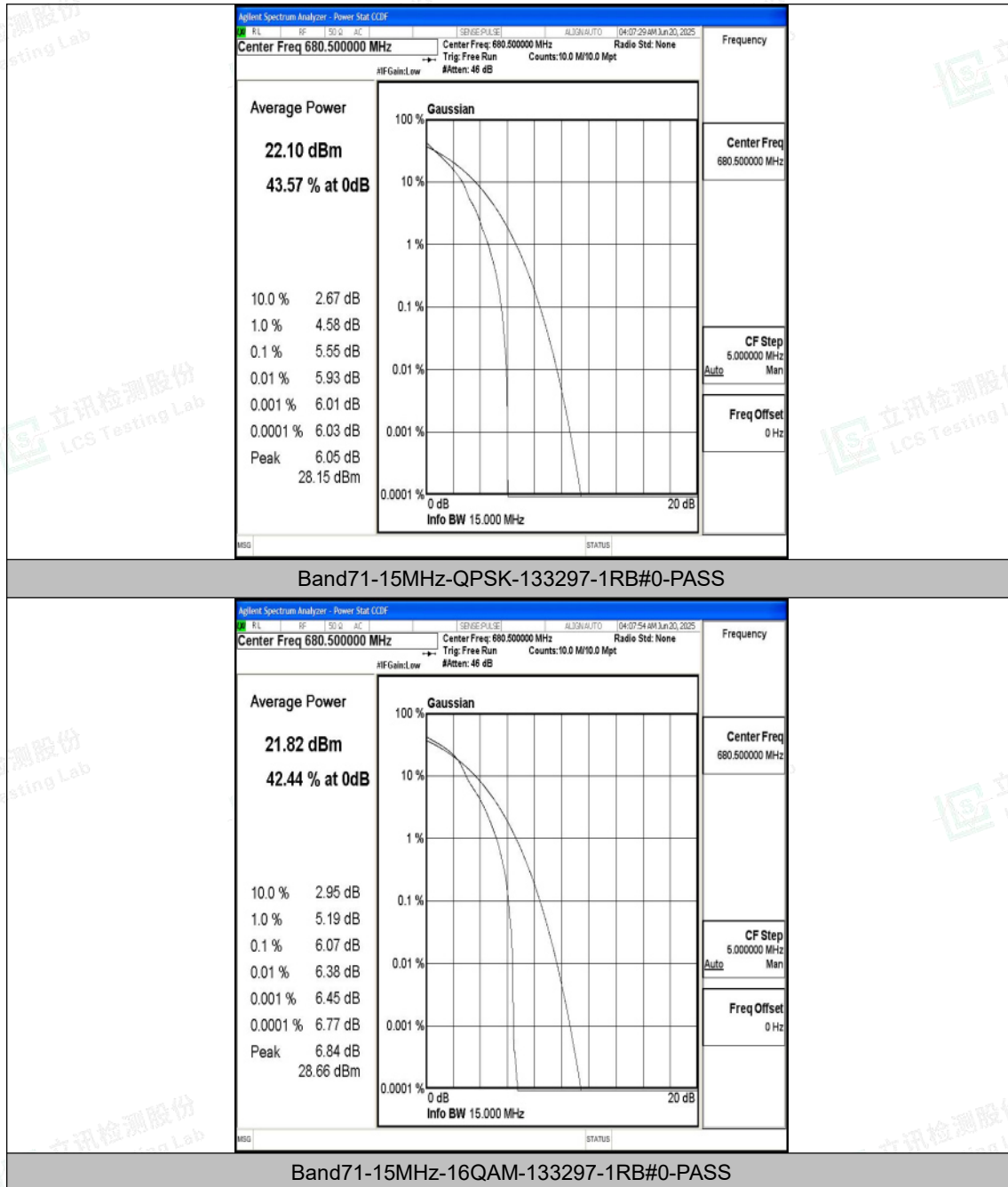


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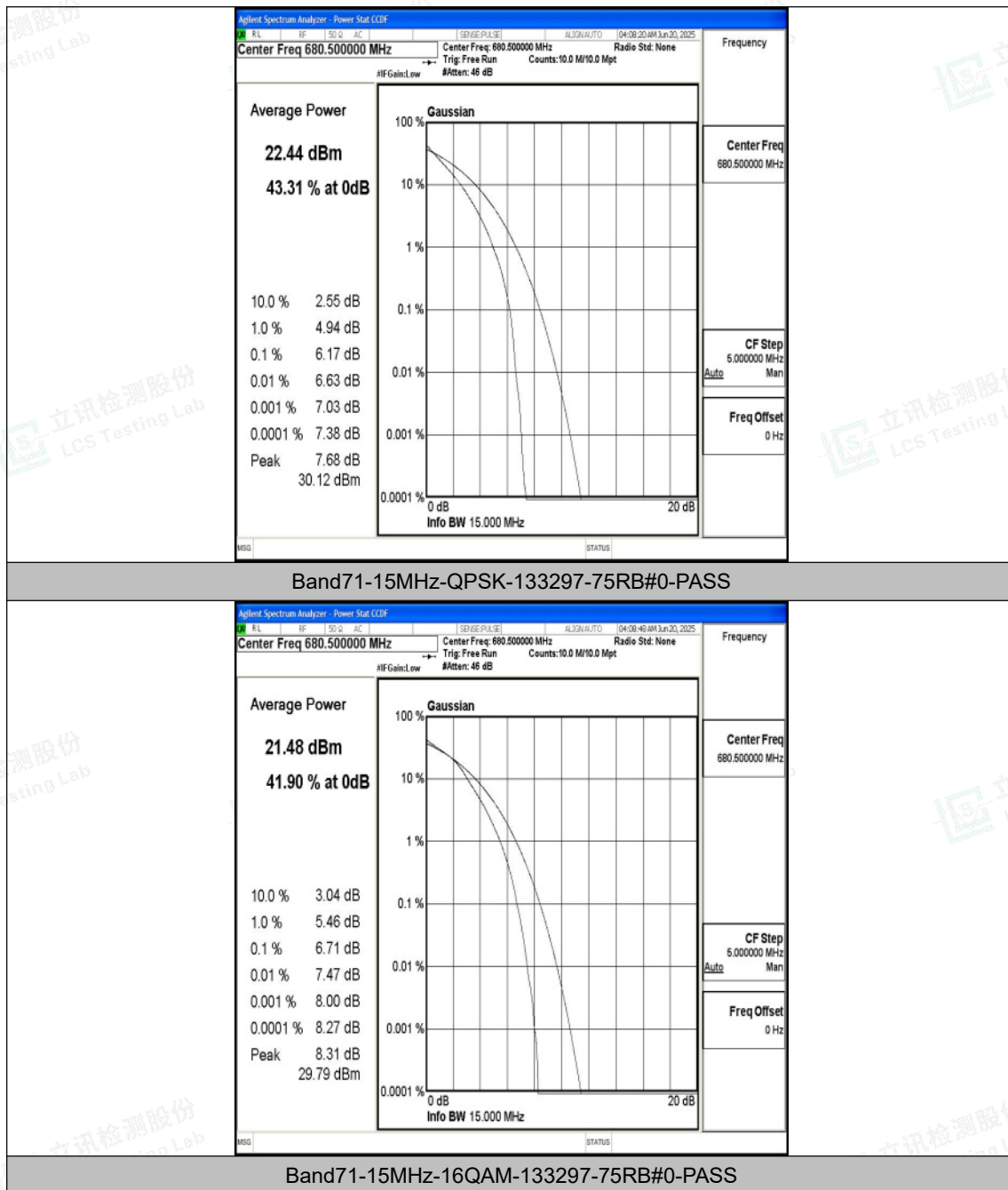


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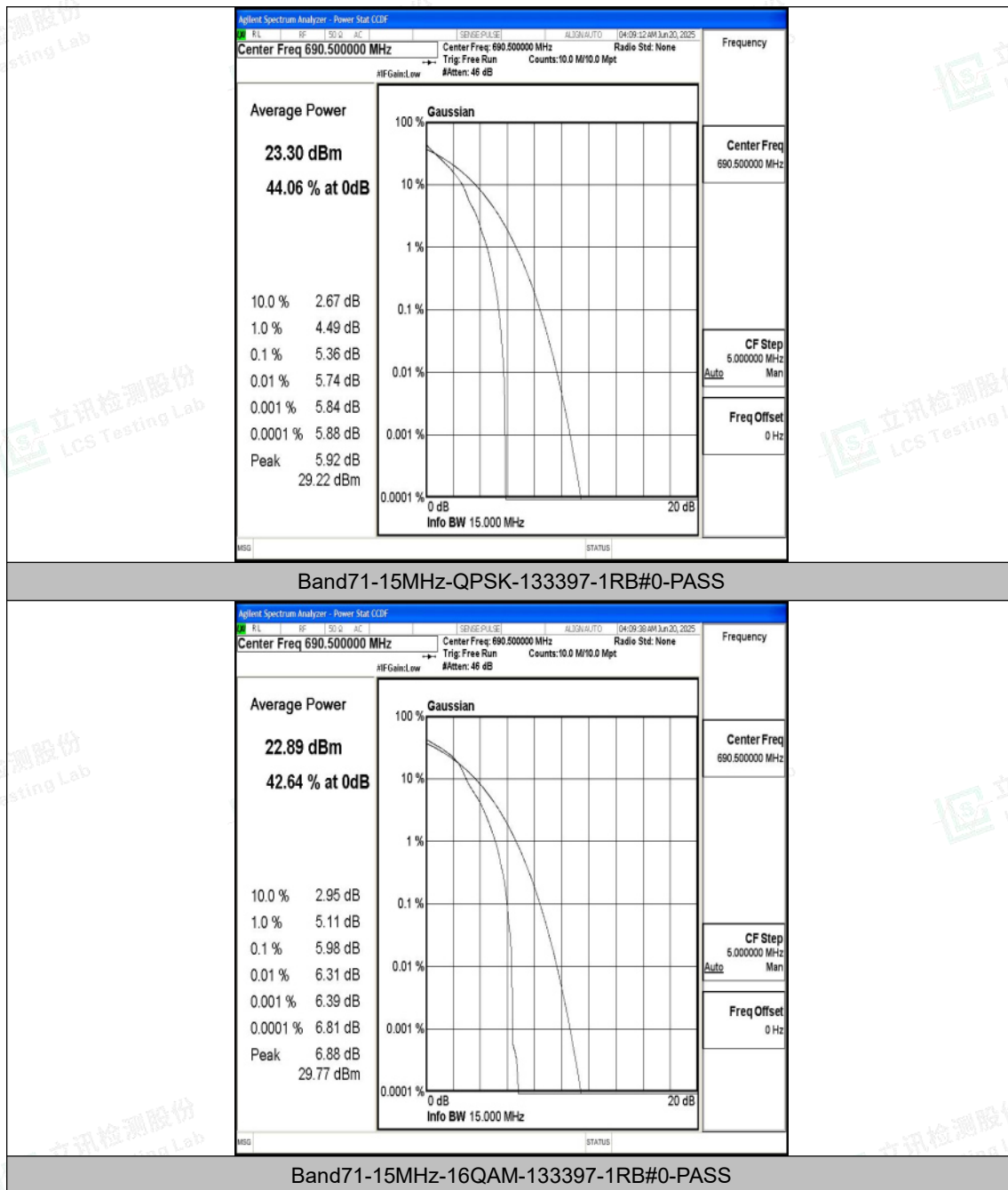


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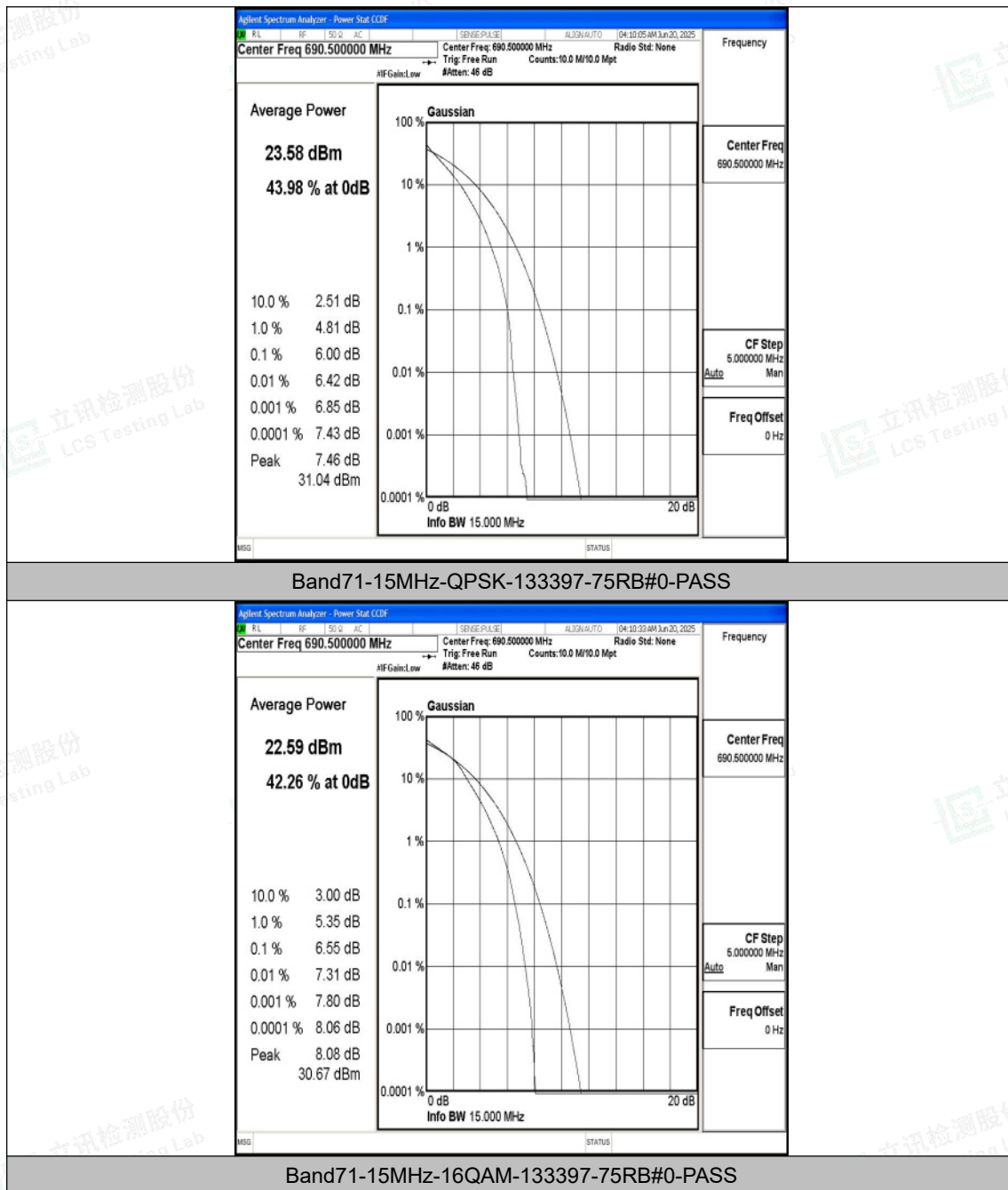


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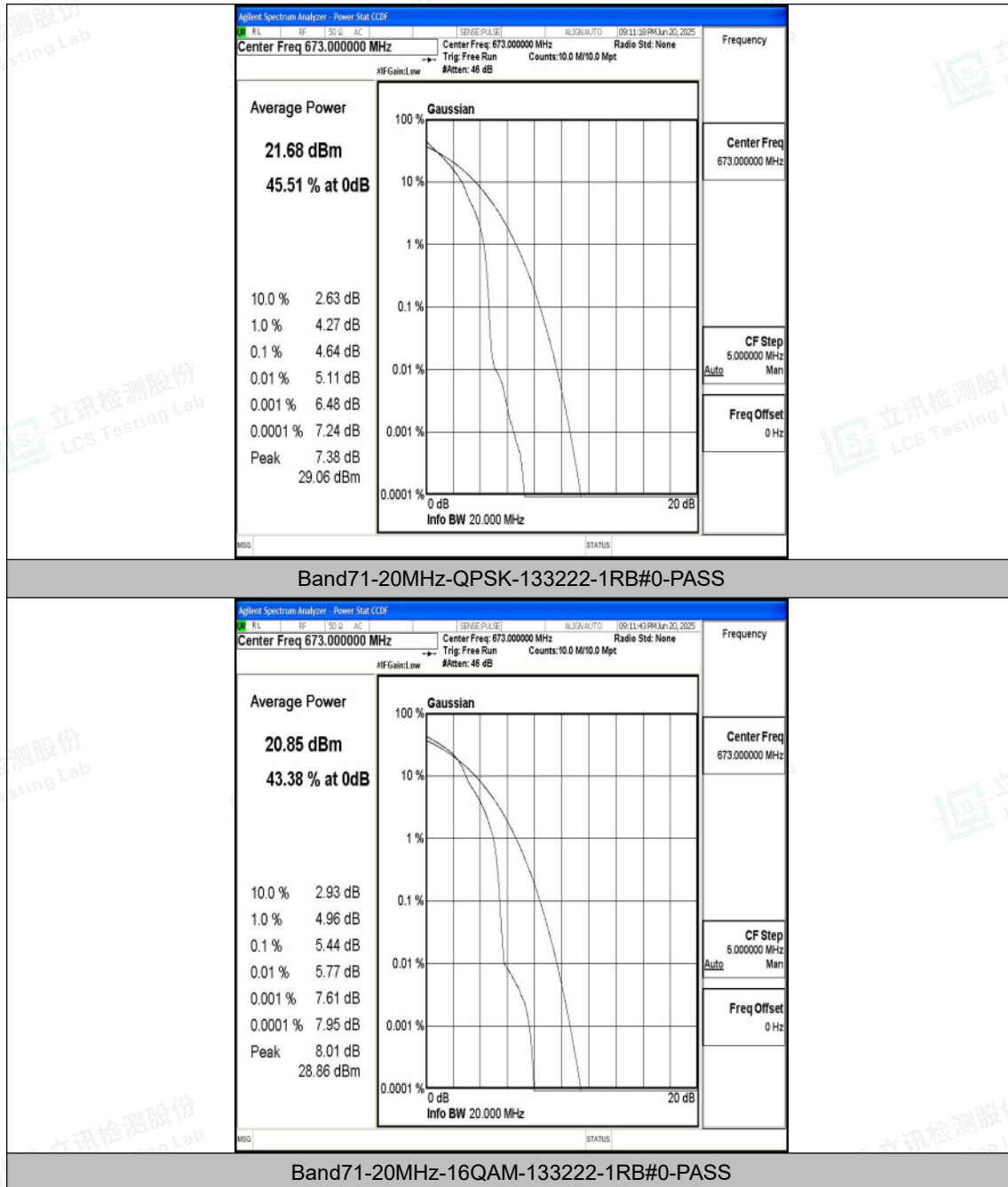


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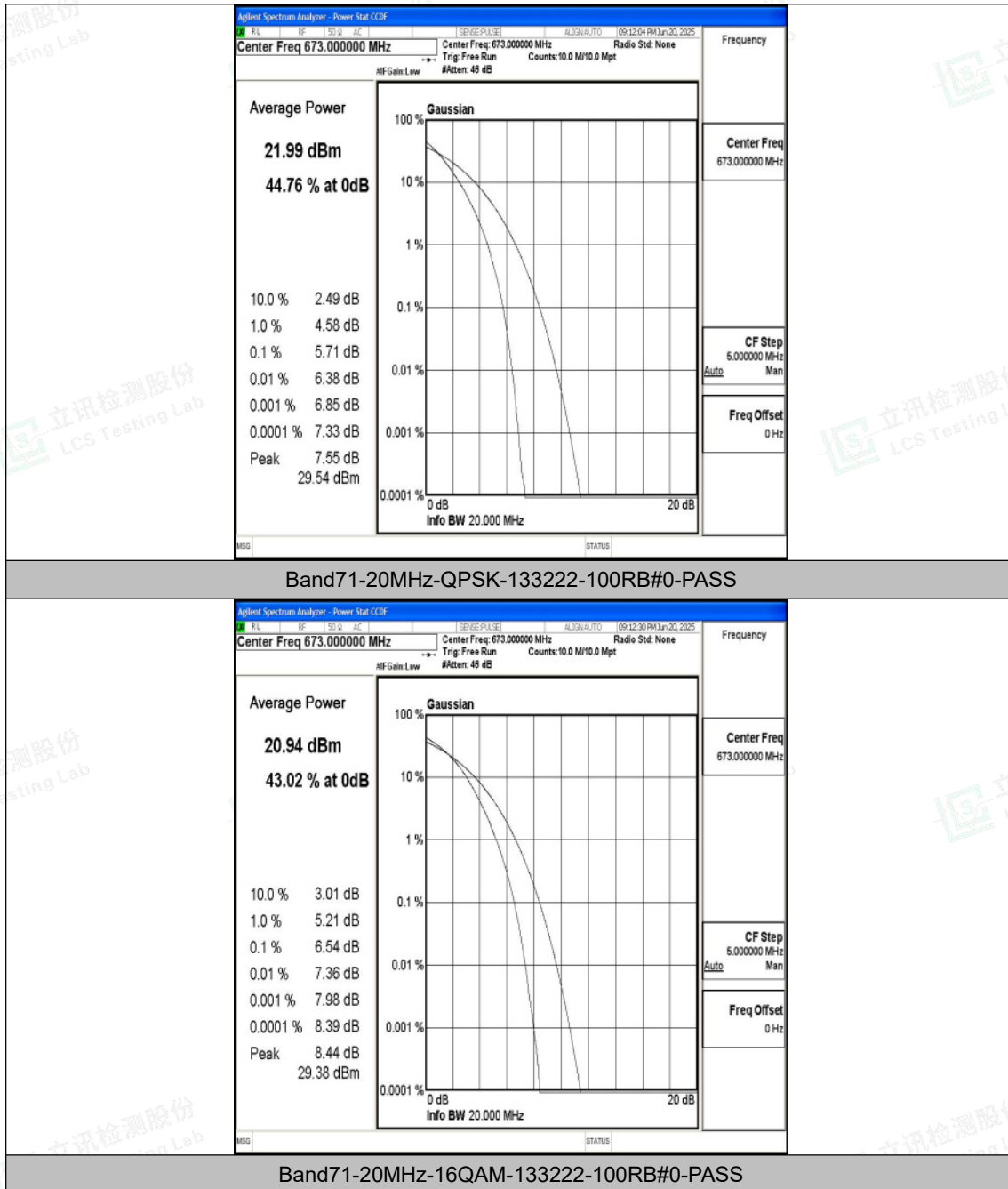


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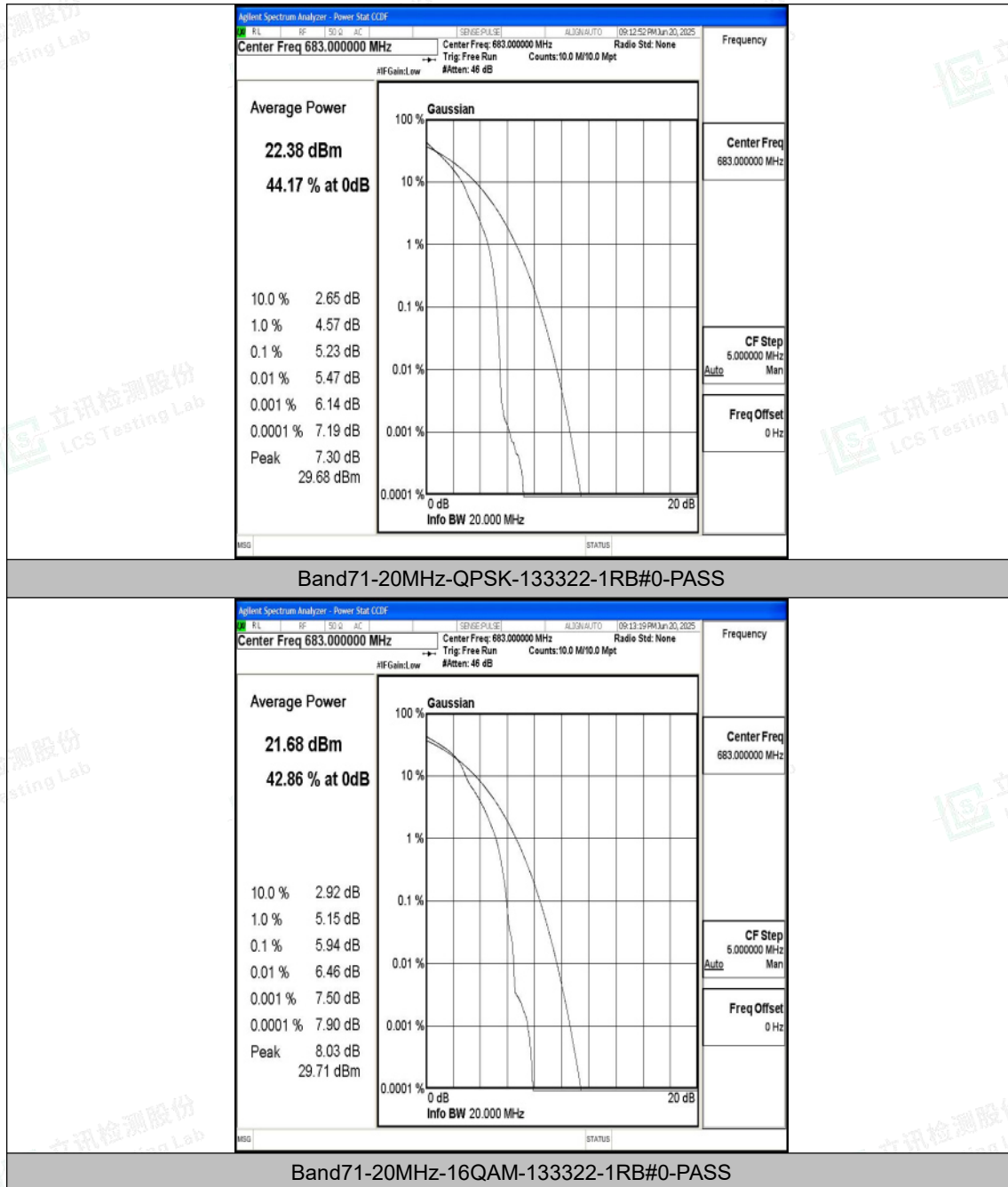


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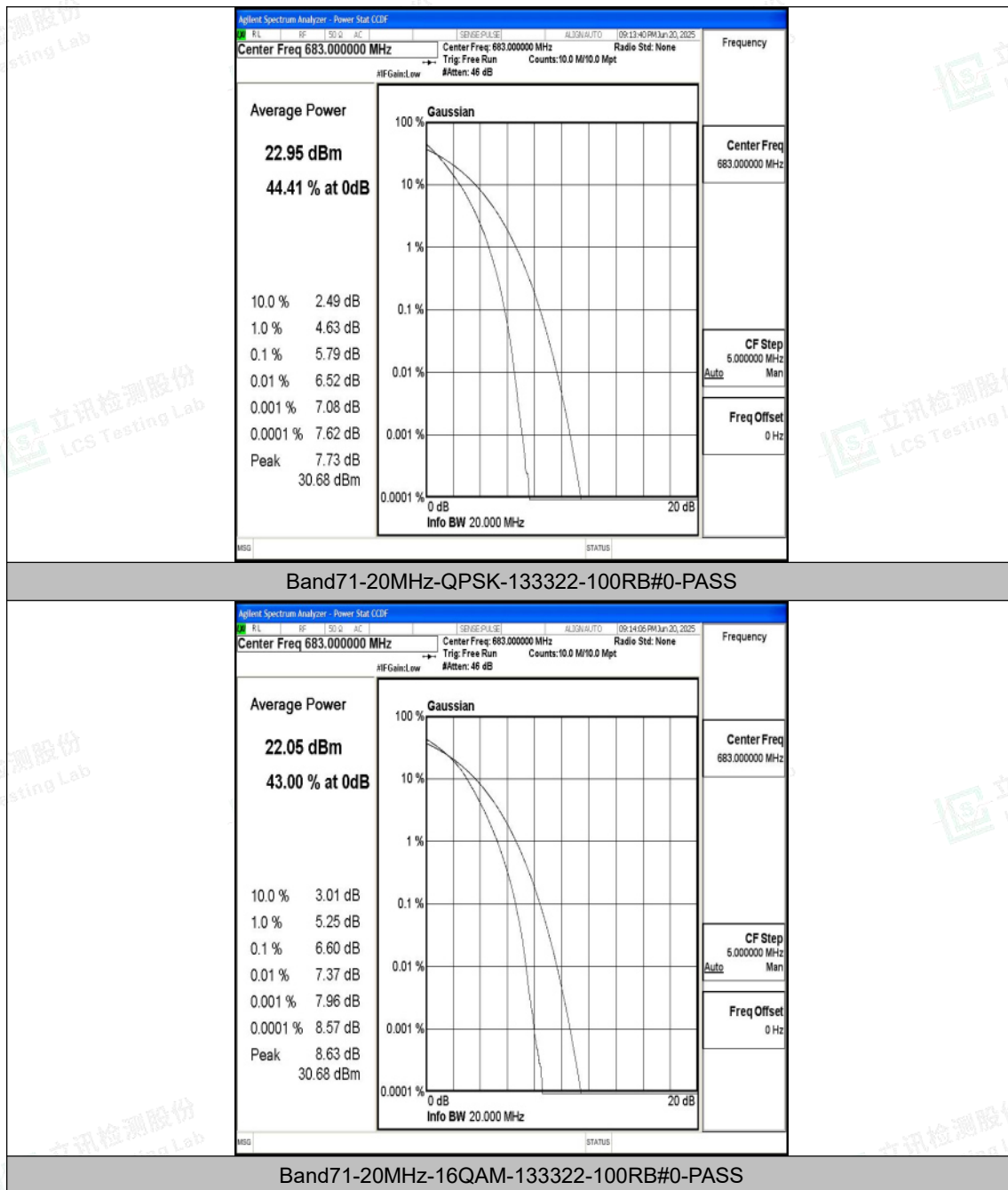


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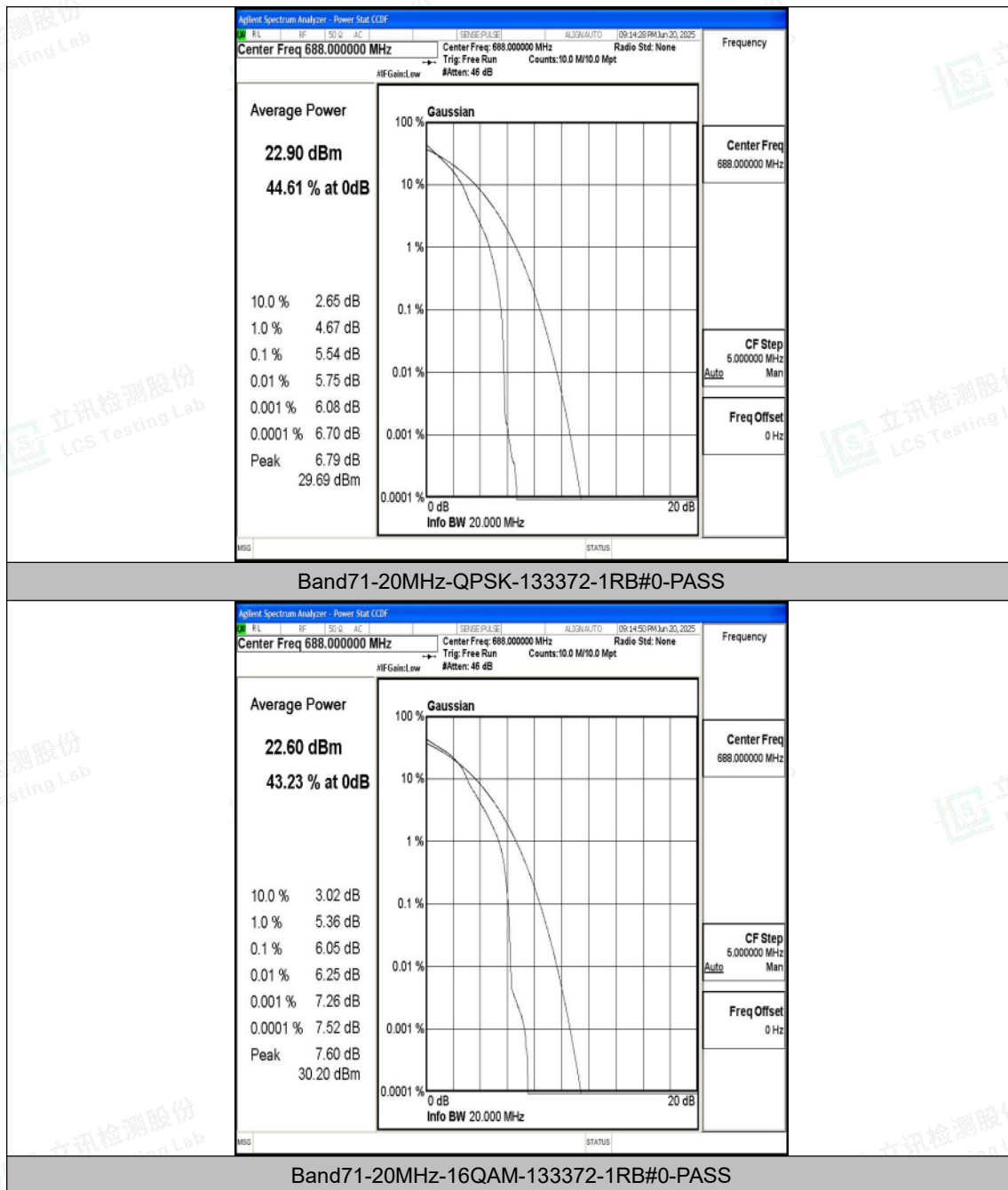


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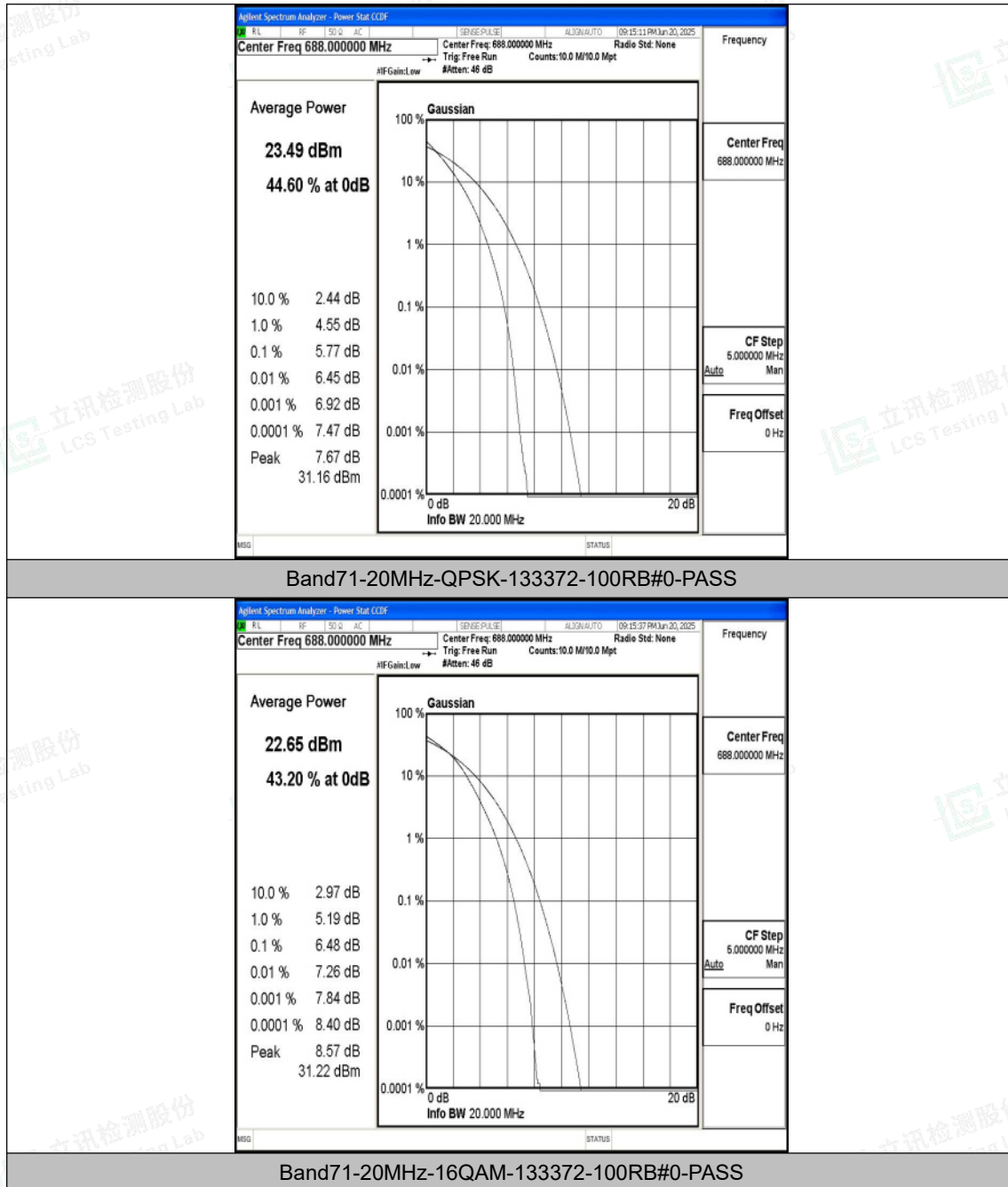


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M.3 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band71	5MHz	QPSK	133147	25RB#0	4.5106	4.988	PASS
Band71	5MHz	16QAM	133147	25RB#0	4.5060	4.969	PASS
Band71	5MHz	QPSK	133297	25RB#0	4.5092	4.959	PASS
Band71	5MHz	16QAM	133297	25RB#0	4.5148	4.961	PASS
Band71	5MHz	QPSK	133447	25RB#0	4.5112	4.977	PASS
Band71	5MHz	16QAM	133447	25RB#0	4.5063	4.955	PASS
Band71	10MHz	QPSK	133172	50RB#0	8.9963	9.830	PASS
Band71	10MHz	16QAM	133172	50RB#0	9.0134	9.949	PASS
Band71	10MHz	QPSK	133297	50RB#0	8.9984	9.884	PASS
Band71	10MHz	16QAM	133297	50RB#0	9.0049	9.936	PASS
Band71	10MHz	QPSK	133422	50RB#0	8.9950	9.870	PASS
Band71	10MHz	16QAM	133422	50RB#0	9.0007	9.899	PASS
Band71	15MHz	QPSK	133197	75RB#0	13.470	14.81	PASS
Band71	15MHz	16QAM	133197	75RB#0	13.471	14.71	PASS
Band71	15MHz	QPSK	133297	75RB#0	13.516	14.97	PASS
Band71	15MHz	16QAM	133297	75RB#0	13.519	14.93	PASS
Band71	15MHz	QPSK	133397	75RB#0	13.481	14.95	PASS
Band71	15MHz	16QAM	133397	75RB#0	13.480	14.91	PASS
Band71	20MHz	QPSK	133222	100RB#0	17.940	19.82	PASS
Band71	20MHz	16QAM	133222	100RB#0	17.932	19.76	PASS
Band71	20MHz	QPSK	133322	100RB#0	18.001	19.54	PASS
Band71	20MHz	16QAM	133322	100RB#0	18.054	19.61	PASS
Band71	20MHz	QPSK	133372	100RB#0	17.963	19.76	PASS
Band71	20MHz	16QAM	133372	100RB#0	17.951	19.54	PASS



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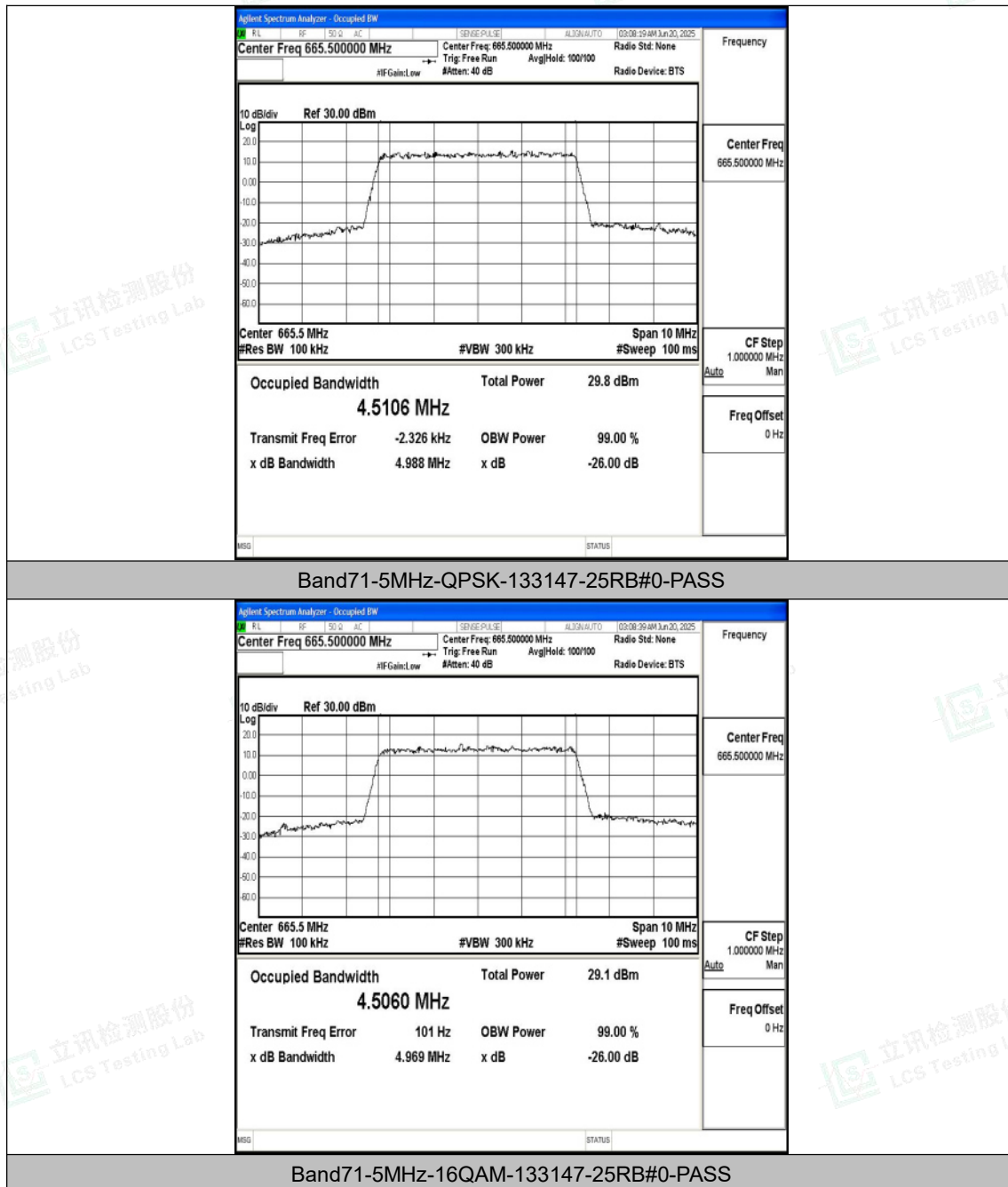
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Test Graphs

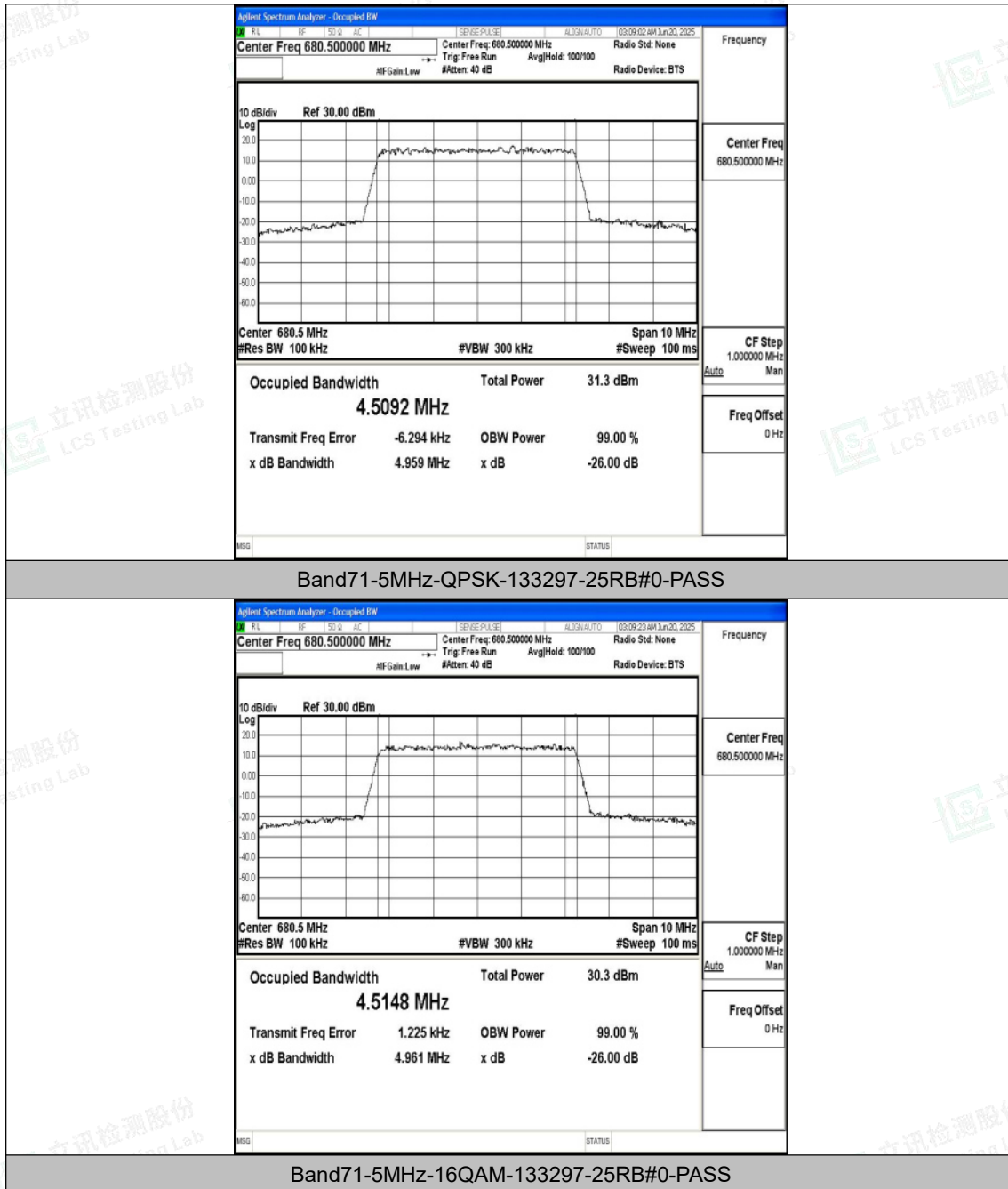


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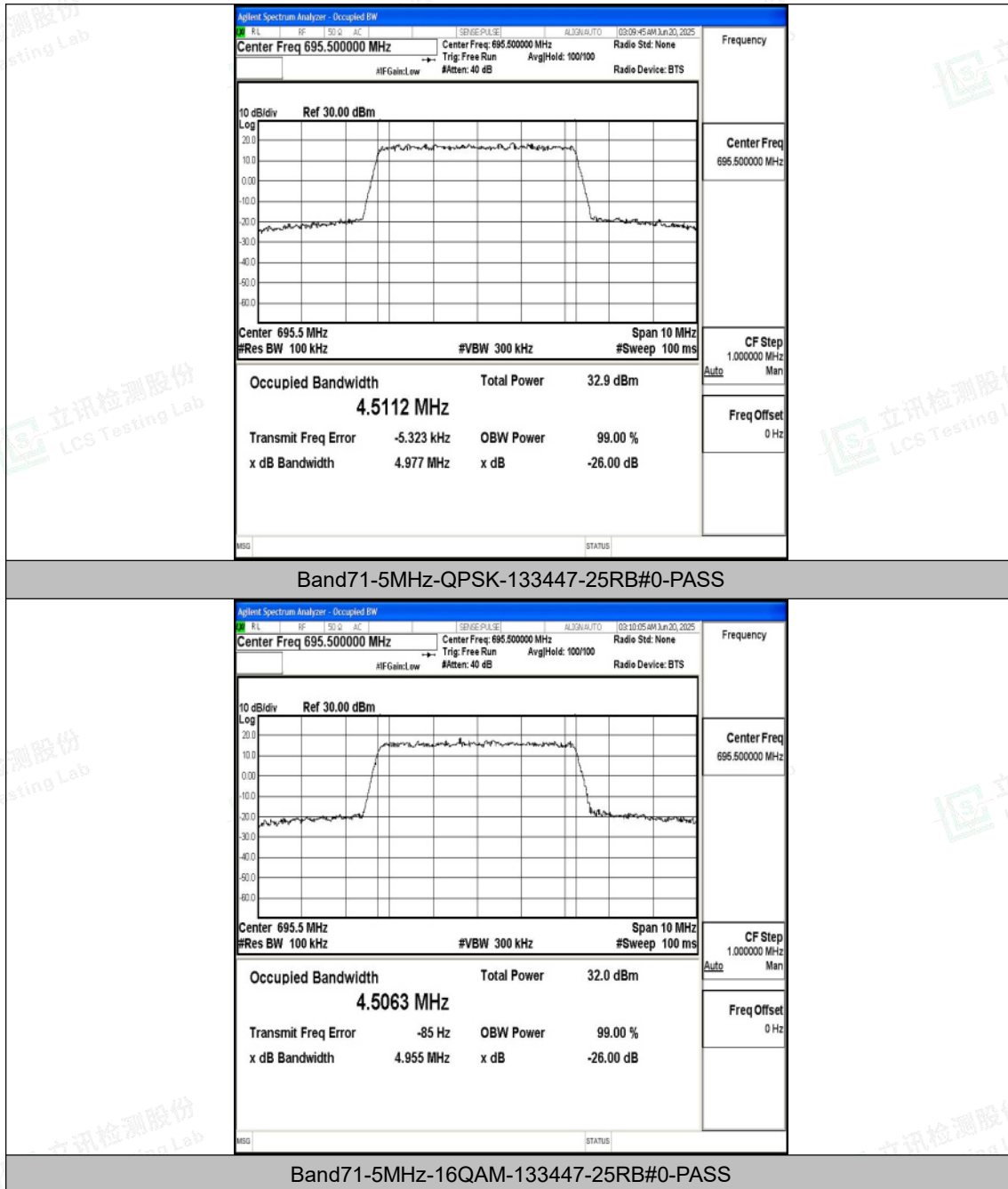


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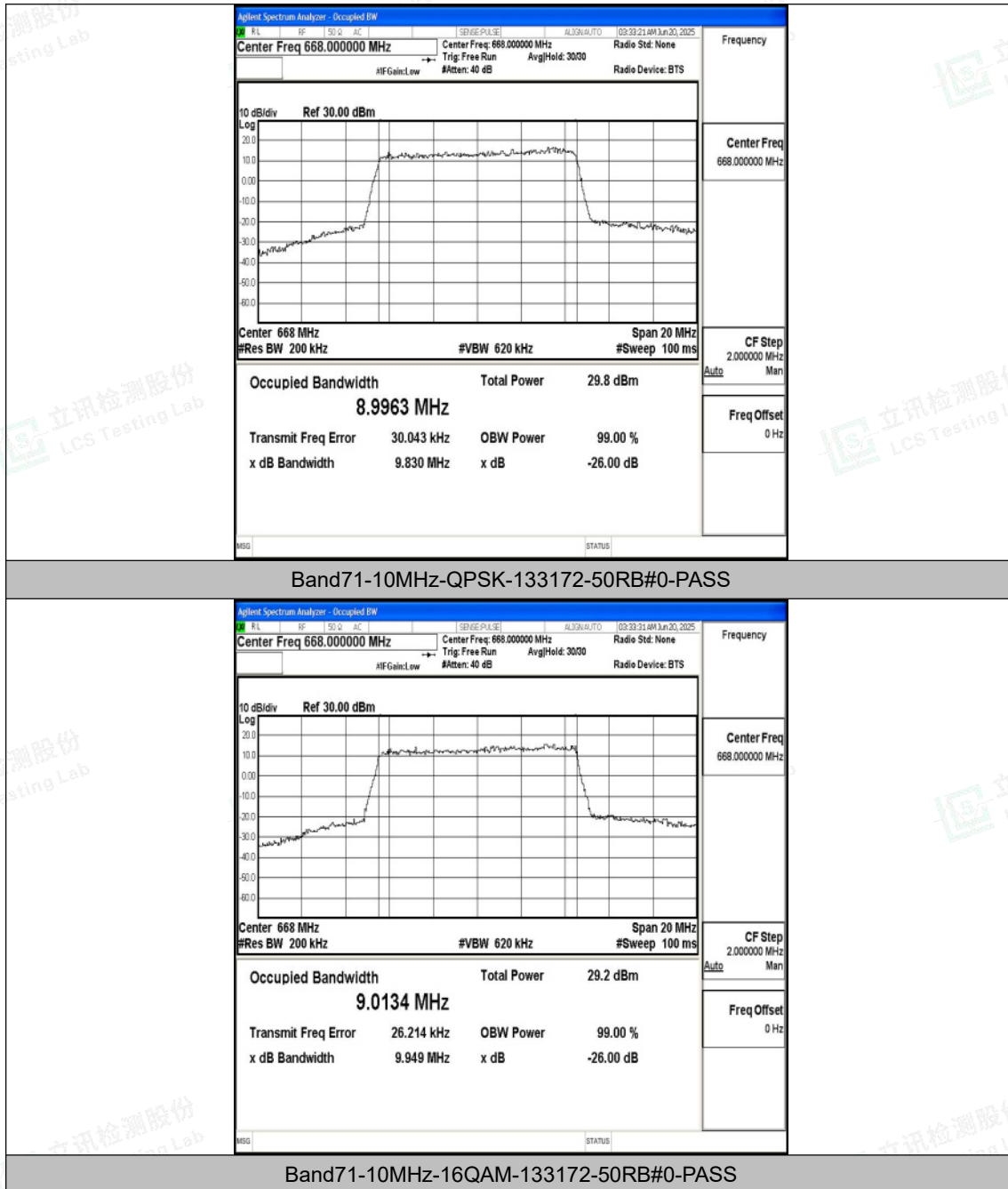


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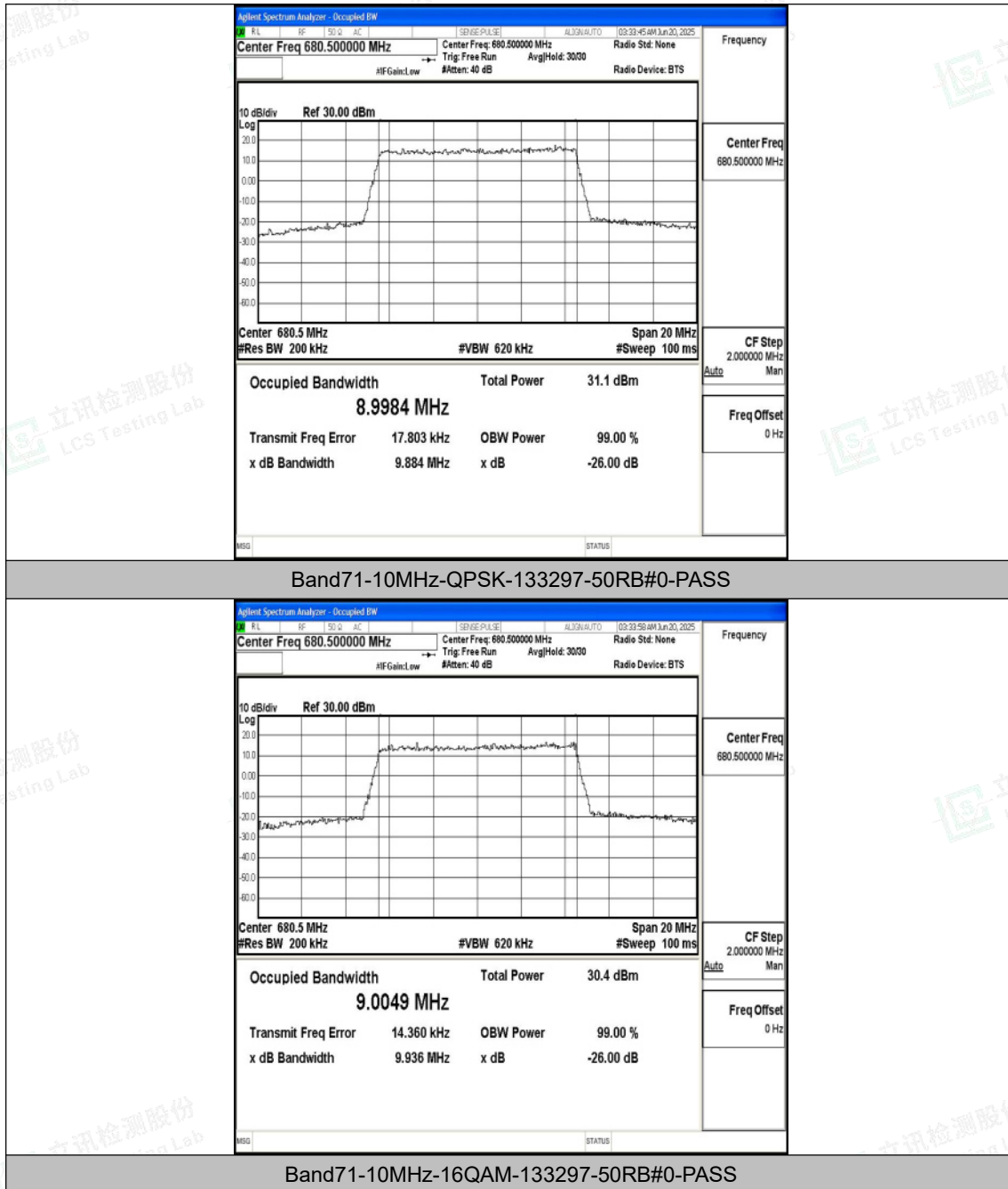


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