



Appendix Q: Test Data for E-UTRA Band 71

Product Name: Smartphone

Test Model: CG65

Environmental Conditions

Temperature:	23.8° C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Nick Peng
Supervised by:	Ling Zhu



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Q.1 Conducted Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band71	5MHz	QPSK	133147	1RB#0	22.85	PASS
Band71	5MHz	16QAM	133147	1RB#0	21.87	PASS
Band71	5MHz	QPSK	133147	1RB#12	23.02	PASS
Band71	5MHz	16QAM	133147	1RB#12	22.01	PASS
Band71	5MHz	QPSK	133147	1RB#24	22.78	PASS
Band71	5MHz	16QAM	133147	1RB#24	21.88	PASS
Band71	5MHz	QPSK	133147	12RB#0	21.87	PASS
Band71	5MHz	16QAM	133147	12RB#0	20.86	PASS
Band71	5MHz	QPSK	133147	12RB#6	21.89	PASS
Band71	5MHz	16QAM	133147	12RB#6	20.84	PASS
Band71	5MHz	QPSK	133147	12RB#13	21.97	PASS
Band71	5MHz	16QAM	133147	12RB#13	20.92	PASS
Band71	5MHz	QPSK	133147	25RB#0	21.92	PASS
Band71	5MHz	16QAM	133147	25RB#0	20.93	PASS
Band71	5MHz	QPSK	133297	1RB#0	22.82	PASS
Band71	5MHz	16QAM	133297	1RB#0	22.03	PASS
Band71	5MHz	QPSK	133297	1RB#12	22.90	PASS
Band71	5MHz	16QAM	133297	1RB#12	22.20	PASS
Band71	5MHz	QPSK	133297	1RB#24	22.75	PASS
Band71	5MHz	16QAM	133297	1RB#24	22.05	PASS
Band71	5MHz	QPSK	133297	12RB#0	21.89	PASS
Band71	5MHz	16QAM	133297	12RB#0	20.86	PASS
Band71	5MHz	QPSK	133297	12RB#6	21.87	PASS
Band71	5MHz	16QAM	133297	12RB#6	20.90	PASS
Band71	5MHz	QPSK	133297	12RB#13	21.78	PASS
Band71	5MHz	16QAM	133297	12RB#13	20.88	PASS
Band71	5MHz	QPSK	133297	25RB#0	21.89	PASS
Band71	5MHz	16QAM	133297	25RB#0	20.88	PASS
Band71	5MHz	QPSK	133447	1RB#0	22.78	PASS
Band71	5MHz	16QAM	133447	1RB#0	21.91	PASS
Band71	5MHz	QPSK	133447	1RB#12	22.91	PASS
Band71	5MHz	16QAM	133447	1RB#12	21.99	PASS
Band71	5MHz	QPSK	133447	1RB#24	22.78	PASS
Band71	5MHz	16QAM	133447	1RB#24	21.89	PASS
Band71	5MHz	QPSK	133447	12RB#0	21.96	PASS
Band71	5MHz	16QAM	133447	12RB#0	20.94	PASS



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Band71	5MHz	QPSK	133447	12RB#6	21.94	PASS
Band71	5MHz	16QAM	133447	12RB#6	20.91	PASS
Band71	5MHz	QPSK	133447	12RB#13	21.86	PASS
Band71	5MHz	16QAM	133447	12RB#13	20.84	PASS
Band71	5MHz	QPSK	133447	25RB#0	21.90	PASS
Band71	5MHz	16QAM	133447	25RB#0	20.96	PASS
Band71	10MHz	QPSK	133172	1RB#0	22.82	PASS
Band71	10MHz	16QAM	133172	1RB#0	22.06	PASS
Band71	10MHz	QPSK	133172	1RB#24	22.93	PASS
Band71	10MHz	16QAM	133172	1RB#24	22.22	PASS
Band71	10MHz	QPSK	133172	1RB#49	22.77	PASS
Band71	10MHz	16QAM	133172	1RB#49	22.02	PASS
Band71	10MHz	QPSK	133172	25RB#0	21.91	PASS
Band71	10MHz	16QAM	133172	25RB#0	20.92	PASS
Band71	10MHz	QPSK	133172	25RB#12	21.90	PASS
Band71	10MHz	16QAM	133172	25RB#12	20.92	PASS
Band71	10MHz	QPSK	133172	25RB#25	22.00	PASS
Band71	10MHz	16QAM	133172	25RB#25	20.95	PASS
Band71	10MHz	QPSK	133172	50RB#0	21.95	PASS
Band71	10MHz	16QAM	133172	50RB#0	20.93	PASS
Band71	10MHz	QPSK	133297	1RB#0	22.80	PASS
Band71	10MHz	16QAM	133297	1RB#0	22.01	PASS
Band71	10MHz	QPSK	133297	1RB#24	22.87	PASS
Band71	10MHz	16QAM	133297	1RB#24	22.14	PASS
Band71	10MHz	QPSK	133297	1RB#49	22.79	PASS
Band71	10MHz	16QAM	133297	1RB#49	22.01	PASS
Band71	10MHz	QPSK	133297	25RB#0	21.99	PASS
Band71	10MHz	16QAM	133297	25RB#0	20.99	PASS
Band71	10MHz	QPSK	133297	25RB#12	21.98	PASS
Band71	10MHz	16QAM	133297	25RB#12	21.03	PASS
Band71	10MHz	QPSK	133297	25RB#25	21.88	PASS
Band71	10MHz	16QAM	133297	25RB#25	20.91	PASS
Band71	10MHz	QPSK	133297	50RB#0	21.97	PASS
Band71	10MHz	16QAM	133297	50RB#0	20.96	PASS
Band71	10MHz	QPSK	133422	1RB#0	22.82	PASS
Band71	10MHz	16QAM	133422	1RB#0	21.83	PASS
Band71	10MHz	QPSK	133422	1RB#24	22.86	PASS
Band71	10MHz	16QAM	133422	1RB#24	21.93	PASS
Band71	10MHz	QPSK	133422	1RB#49	22.81	PASS
Band71	10MHz	16QAM	133422	1RB#49	21.77	PASS



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Band71	10MHz	QPSK	133422	25RB#0	21.97	PASS
Band71	10MHz	16QAM	133422	25RB#0	21.05	PASS
Band71	10MHz	QPSK	133422	25RB#12	21.97	PASS
Band71	10MHz	16QAM	133422	25RB#12	21.02	PASS
Band71	10MHz	QPSK	133422	25RB#25	21.85	PASS
Band71	10MHz	16QAM	133422	25RB#25	20.87	PASS
Band71	10MHz	QPSK	133422	50RB#0	21.98	PASS
Band71	10MHz	16QAM	133422	50RB#0	20.91	PASS
Band71	15MHz	QPSK	133197	1RB#0	22.77	PASS
Band71	15MHz	16QAM	133197	1RB#0	22.00	PASS
Band71	15MHz	QPSK	133197	1RB#38	22.84	PASS
Band71	15MHz	16QAM	133197	1RB#38	22.15	PASS
Band71	15MHz	QPSK	133197	1RB#74	22.71	PASS
Band71	15MHz	16QAM	133197	1RB#74	22.06	PASS
Band71	15MHz	QPSK	133197	38RB#0	21.98	PASS
Band71	15MHz	16QAM	133197	38RB#0	21.95	PASS
Band71	15MHz	QPSK	133197	38RB#18	22.08	PASS
Band71	15MHz	16QAM	133197	38RB#18	22.09	PASS
Band71	15MHz	QPSK	133197	38RB#37	21.98	PASS
Band71	15MHz	16QAM	133197	38RB#37	21.99	PASS
Band71	15MHz	QPSK	133197	75RB#0	21.93	PASS
Band71	15MHz	16QAM	133197	75RB#0	20.88	PASS
Band71	15MHz	QPSK	133297	1RB#0	22.77	PASS
Band71	15MHz	16QAM	133297	1RB#0	22.08	PASS
Band71	15MHz	QPSK	133297	1RB#38	22.83	PASS
Band71	15MHz	16QAM	133297	1RB#38	22.26	PASS
Band71	15MHz	QPSK	133297	1RB#74	22.73	PASS
Band71	15MHz	16QAM	133297	1RB#74	22.08	PASS
Band71	15MHz	QPSK	133297	38RB#0	22.05	PASS
Band71	15MHz	16QAM	133297	38RB#0	22.07	PASS
Band71	15MHz	QPSK	133297	38RB#18	22.19	PASS
Band71	15MHz	16QAM	133297	38RB#18	22.20	PASS
Band71	15MHz	QPSK	133297	38RB#37	22.05	PASS
Band71	15MHz	16QAM	133297	38RB#37	22.11	PASS
Band71	15MHz	QPSK	133297	75RB#0	21.97	PASS
Band71	15MHz	16QAM	133297	75RB#0	20.95	PASS
Band71	15MHz	QPSK	133397	1RB#0	22.70	PASS
Band71	15MHz	16QAM	133397	1RB#0	21.65	PASS
Band71	15MHz	QPSK	133397	1RB#38	22.82	PASS
Band71	15MHz	16QAM	133397	1RB#38	21.79	PASS



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Band71	15MHz	QPSK	133397	1RB#74	22.81	PASS
Band71	15MHz	16QAM	133397	1RB#74	21.80	PASS
Band71	15MHz	QPSK	133397	38RB#0	21.67	PASS
Band71	15MHz	16QAM	133397	38RB#0	21.64	PASS
Band71	15MHz	QPSK	133397	38RB#18	21.82	PASS
Band71	15MHz	16QAM	133397	38RB#18	21.83	PASS
Band71	15MHz	QPSK	133397	38RB#37	21.78	PASS
Band71	15MHz	16QAM	133397	38RB#37	21.74	PASS
Band71	15MHz	QPSK	133397	75RB#0	21.86	PASS
Band71	15MHz	16QAM	133397	75RB#0	20.85	PASS
Band71	20MHz	QPSK	133222	1RB#0	22.77	PASS
Band71	20MHz	16QAM	133222	1RB#0	21.74	PASS
Band71	20MHz	QPSK	133222	1RB#49	23.08	PASS
Band71	20MHz	16QAM	133222	1RB#49	22.03	PASS
Band71	20MHz	QPSK	133222	1RB#99	22.63	PASS
Band71	20MHz	16QAM	133222	1RB#99	21.71	PASS
Band71	20MHz	QPSK	133222	50RB#0	21.84	PASS
Band71	20MHz	16QAM	133222	50RB#0	20.79	PASS
Band71	20MHz	QPSK	133222	50RB#25	21.87	PASS
Band71	20MHz	16QAM	133222	50RB#25	20.86	PASS
Band71	20MHz	QPSK	133222	50RB#50	21.85	PASS
Band71	20MHz	16QAM	133222	50RB#50	20.79	PASS
Band71	20MHz	QPSK	133222	100RB#0	21.79	PASS
Band71	20MHz	16QAM	133222	100RB#0	20.87	PASS
Band71	20MHz	QPSK	133322	1RB#0	22.61	PASS
Band71	20MHz	16QAM	133322	1RB#0	21.86	PASS
Band71	20MHz	QPSK	133322	1RB#49	22.98	PASS
Band71	20MHz	16QAM	133322	1RB#49	22.20	PASS
Band71	20MHz	QPSK	133322	1RB#99	22.61	PASS
Band71	20MHz	16QAM	133322	1RB#99	21.88	PASS
Band71	20MHz	QPSK	133322	50RB#0	22.07	PASS
Band71	20MHz	16QAM	133322	50RB#0	21.03	PASS
Band71	20MHz	QPSK	133322	50RB#25	22.03	PASS
Band71	20MHz	16QAM	133322	50RB#25	21.05	PASS
Band71	20MHz	QPSK	133322	50RB#50	21.93	PASS
Band71	20MHz	16QAM	133322	50RB#50	20.95	PASS
Band71	20MHz	QPSK	133322	100RB#0	22.01	PASS
Band71	20MHz	16QAM	133322	100RB#0	20.99	PASS
Band71	20MHz	QPSK	133372	1RB#0	22.53	PASS
Band71	20MHz	16QAM	133372	1RB#0	21.68	PASS



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Band71	20MHz	QPSK	133372	1RB#49	22.89	PASS
Band71	20MHz	16QAM	133372	1RB#49	22.06	PASS
Band71	20MHz	QPSK	133372	1RB#99	22.54	PASS
Band71	20MHz	16QAM	133372	1RB#99	21.72	PASS
Band71	20MHz	QPSK	133372	50RB#0	21.95	PASS
Band71	20MHz	16QAM	133372	50RB#0	20.96	PASS
Band71	20MHz	QPSK	133372	50RB#25	21.92	PASS
Band71	20MHz	16QAM	133372	50RB#25	20.98	PASS
Band71	20MHz	QPSK	133372	50RB#50	21.95	PASS
Band71	20MHz	16QAM	133372	50RB#50	20.94	PASS
Band71	20MHz	QPSK	133372	100RB#0	21.88	PASS
Band71	20MHz	16QAM	133372	100RB#0	20.88	PASS





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

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band71	5MHz	QPSK	133147	25RB#0	5.43	13	PASS
Band71	5MHz	16QAM	133147	25RB#0	6.19	13	PASS
Band71	5MHz	QPSK	133297	25RB#0	5.66	13	PASS
Band71	5MHz	16QAM	133297	25RB#0	6.25	13	PASS
Band71	5MHz	QPSK	133447	25RB#0	5.62	13	PASS
Band71	5MHz	16QAM	133447	25RB#0	6.37	13	PASS
Band71	10MHz	QPSK	133172	50RB#0	5.52	13	PASS
Band71	10MHz	16QAM	133172	50RB#0	6.19	13	PASS
Band71	10MHz	QPSK	133297	50RB#0	5.63	13	PASS
Band71	10MHz	16QAM	133297	50RB#0	6.28	13	PASS
Band71	10MHz	QPSK	133422	50RB#0	5.53	13	PASS
Band71	10MHz	16QAM	133422	50RB#0	6.33	13	PASS
Band71	15MHz	QPSK	133197	75RB#0	5.88	13	PASS
Band71	15MHz	16QAM	133197	75RB#0	6.32	13	PASS
Band71	15MHz	QPSK	133297	75RB#0	5.91	13	PASS
Band71	15MHz	16QAM	133297	75RB#0	6.40	13	PASS
Band71	15MHz	QPSK	133397	75RB#0	5.98	13	PASS
Band71	15MHz	16QAM	133397	75RB#0	6.45	13	PASS
Band71	20MHz	QPSK	133222	100RB#0	5.58	13	PASS
Band71	20MHz	16QAM	133222	100RB#0	6.29	13	PASS
Band71	20MHz	QPSK	133322	100RB#0	5.66	13	PASS
Band71	20MHz	16QAM	133322	100RB#0	6.46	13	PASS
Band71	20MHz	QPSK	133372	100RB#0	6.36	13	PASS
Band71	20MHz	16QAM	133372	100RB#0	6.35	13	PASS



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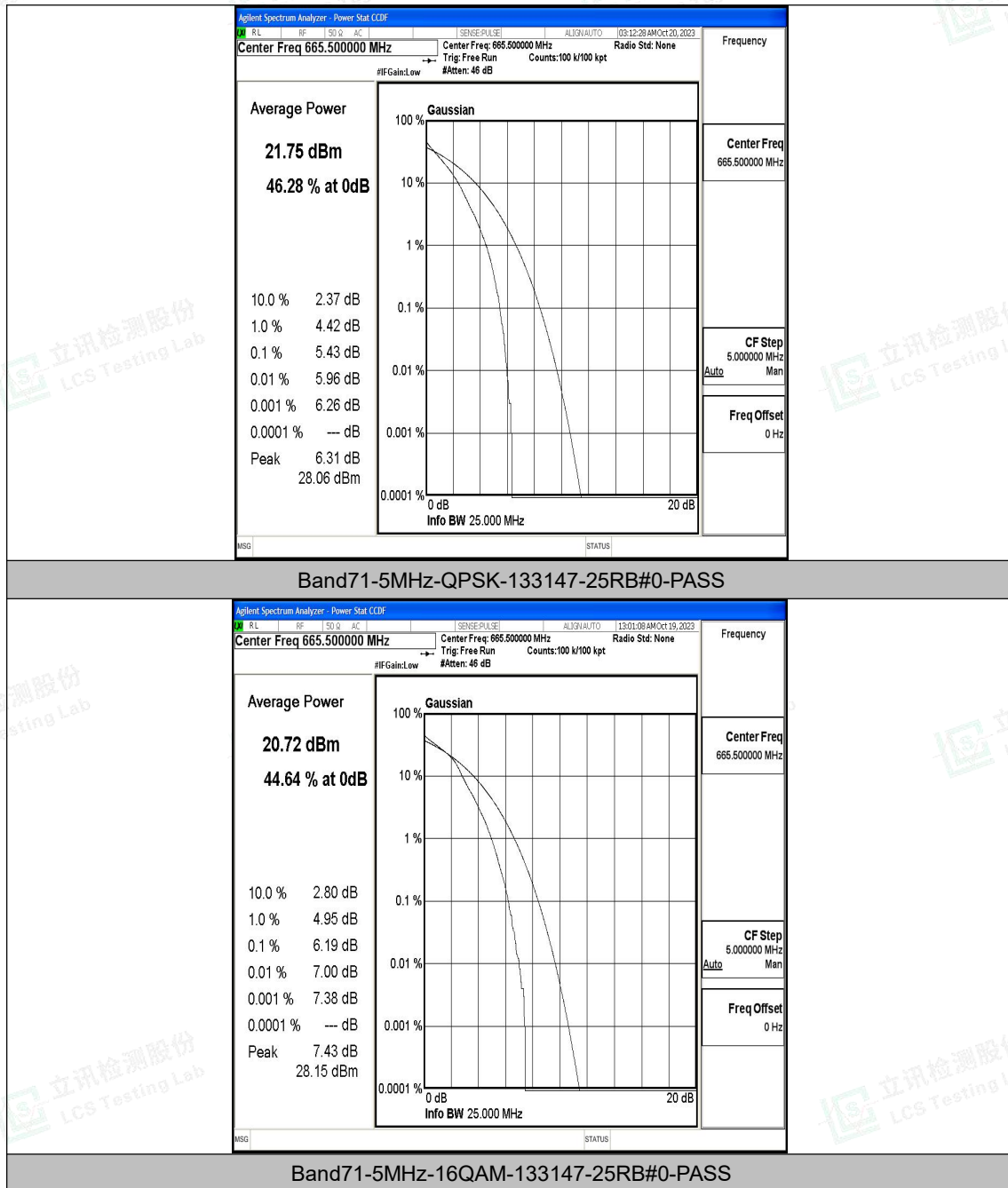
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Test Graphs

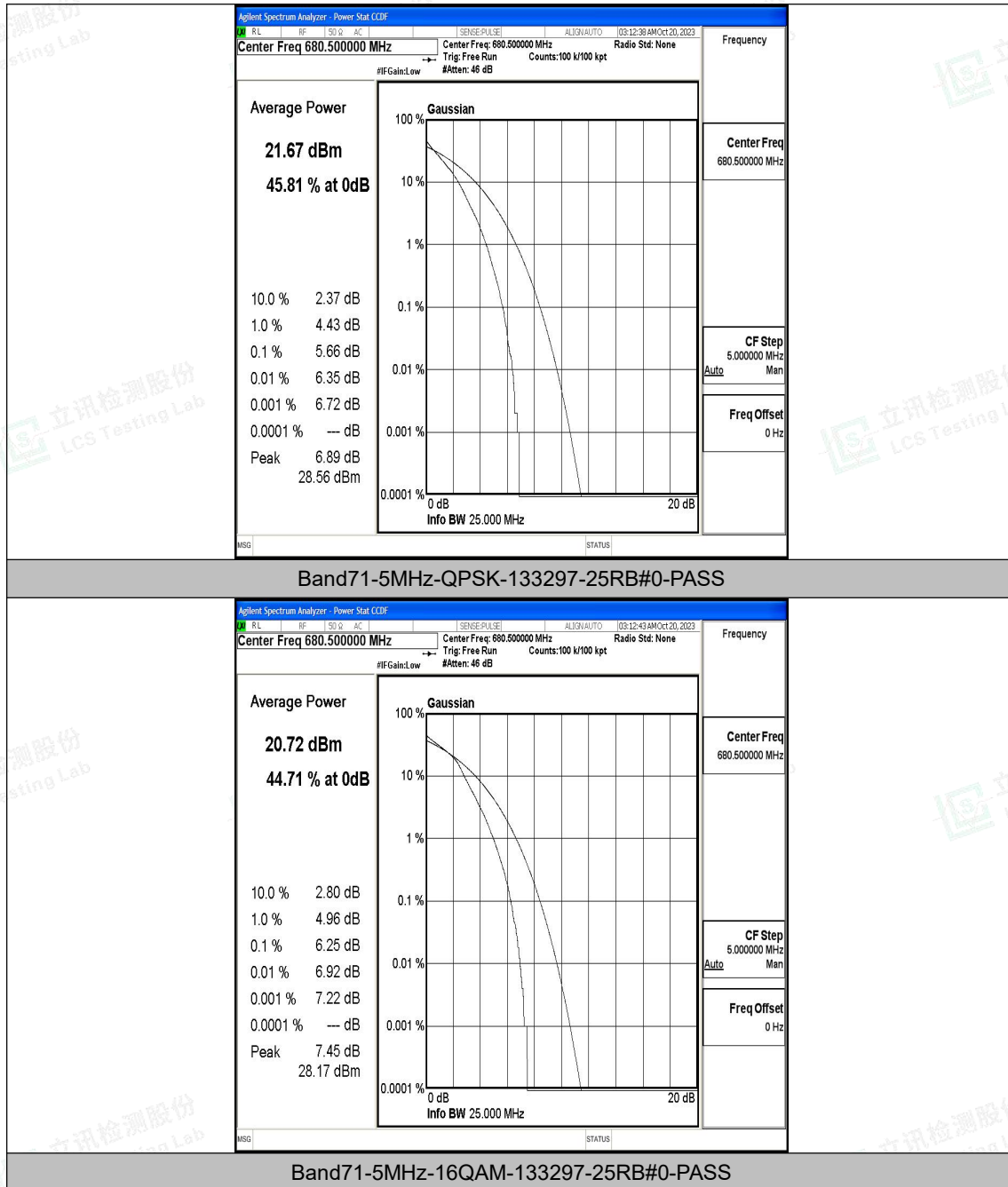


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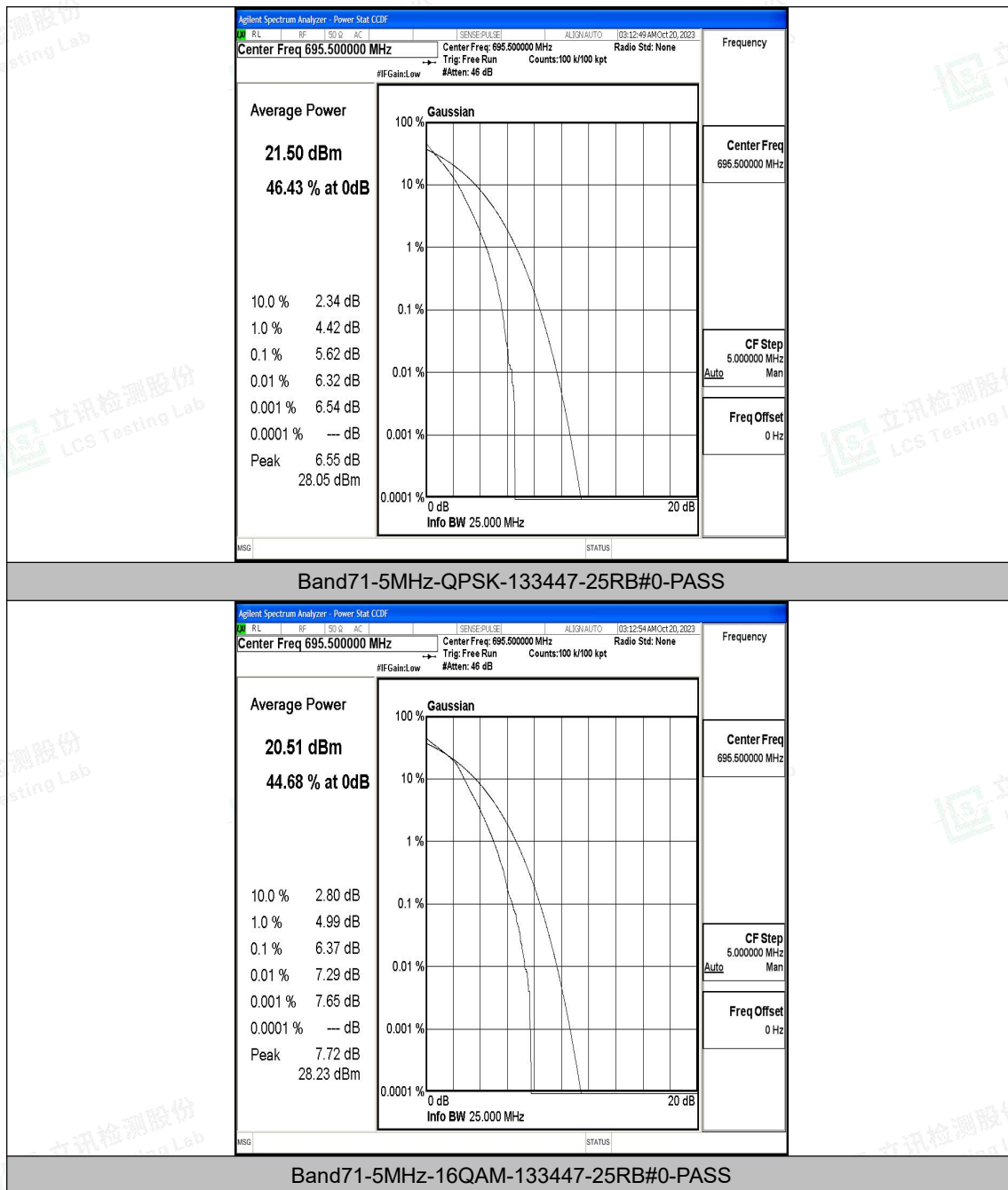


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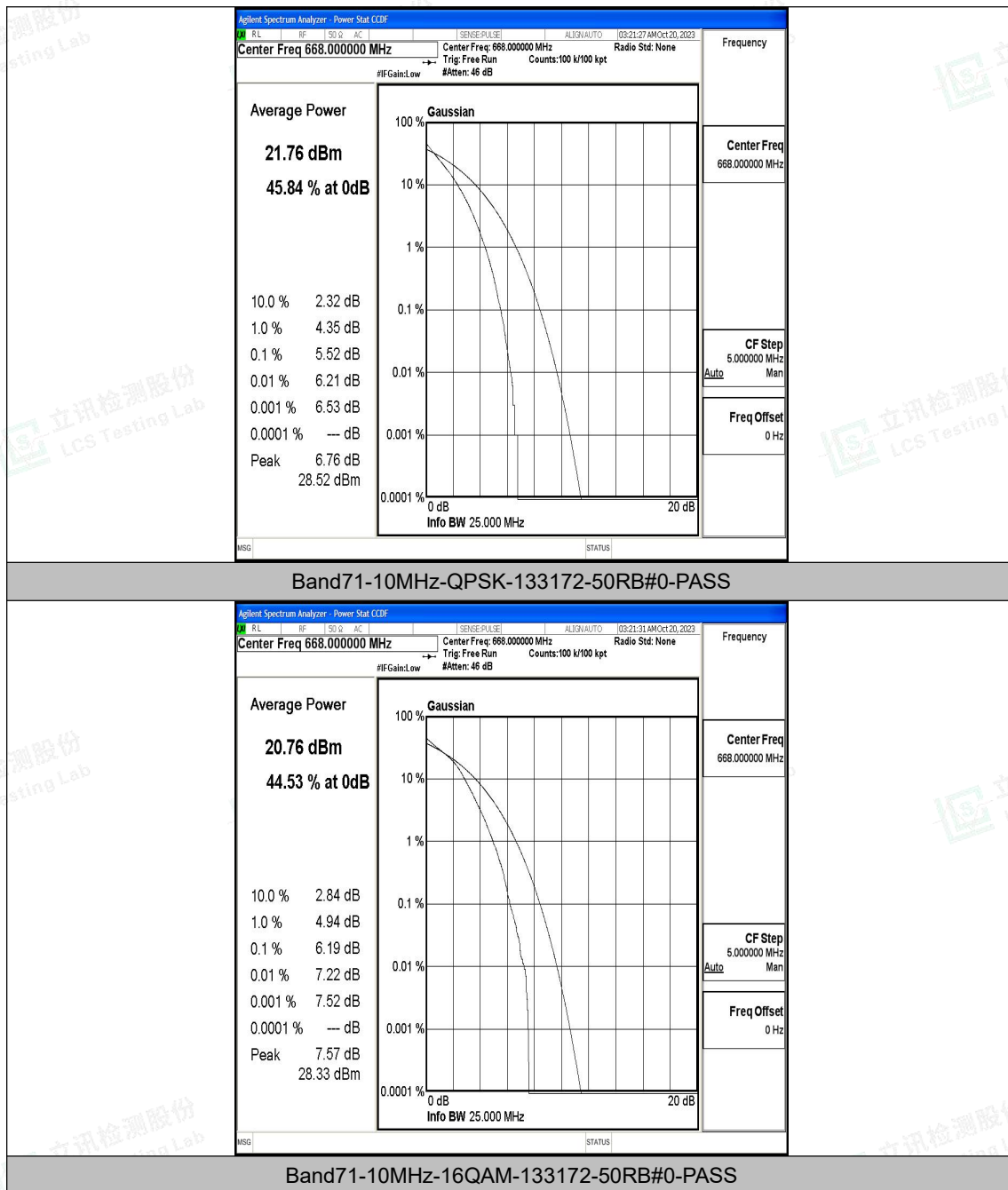


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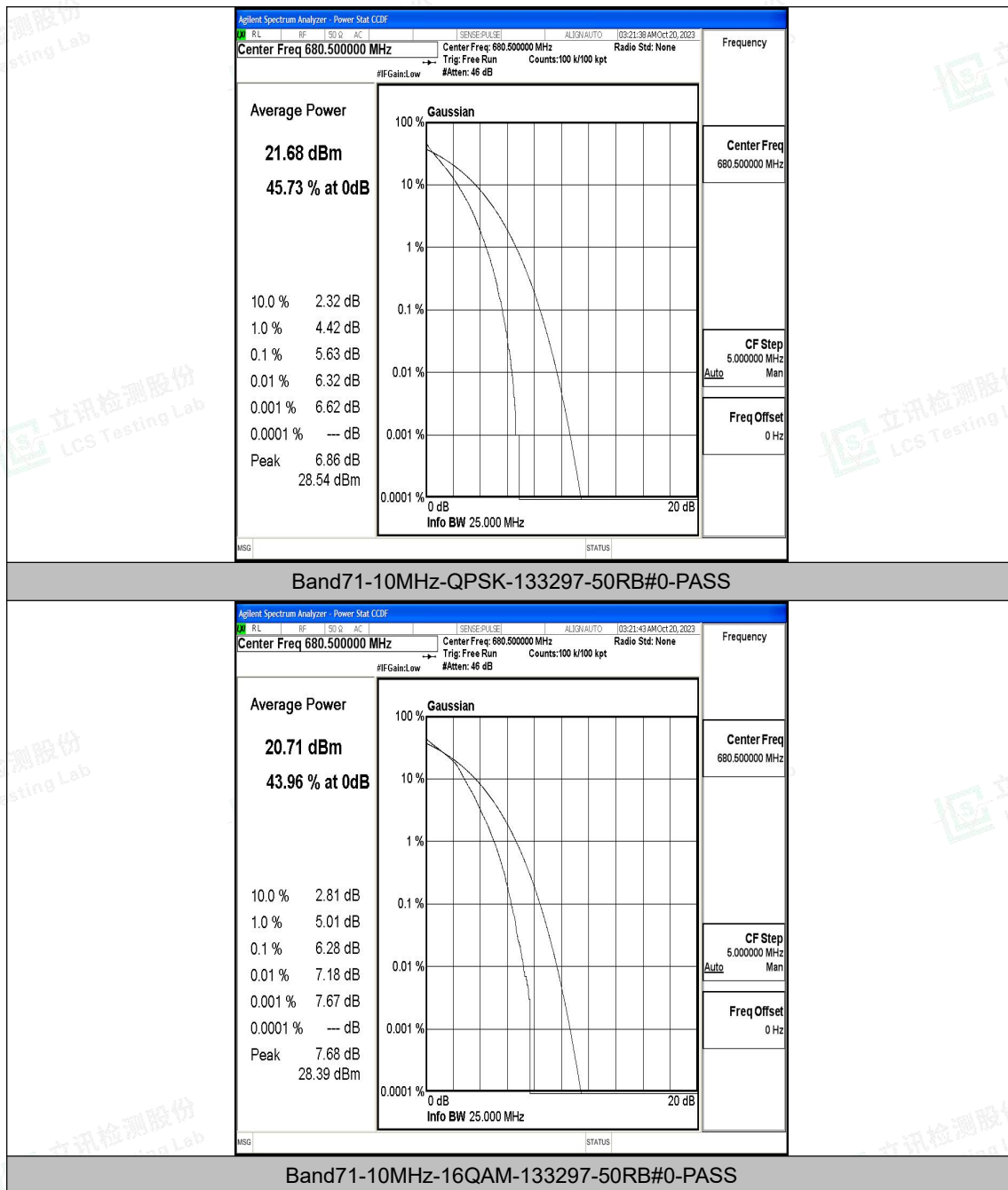


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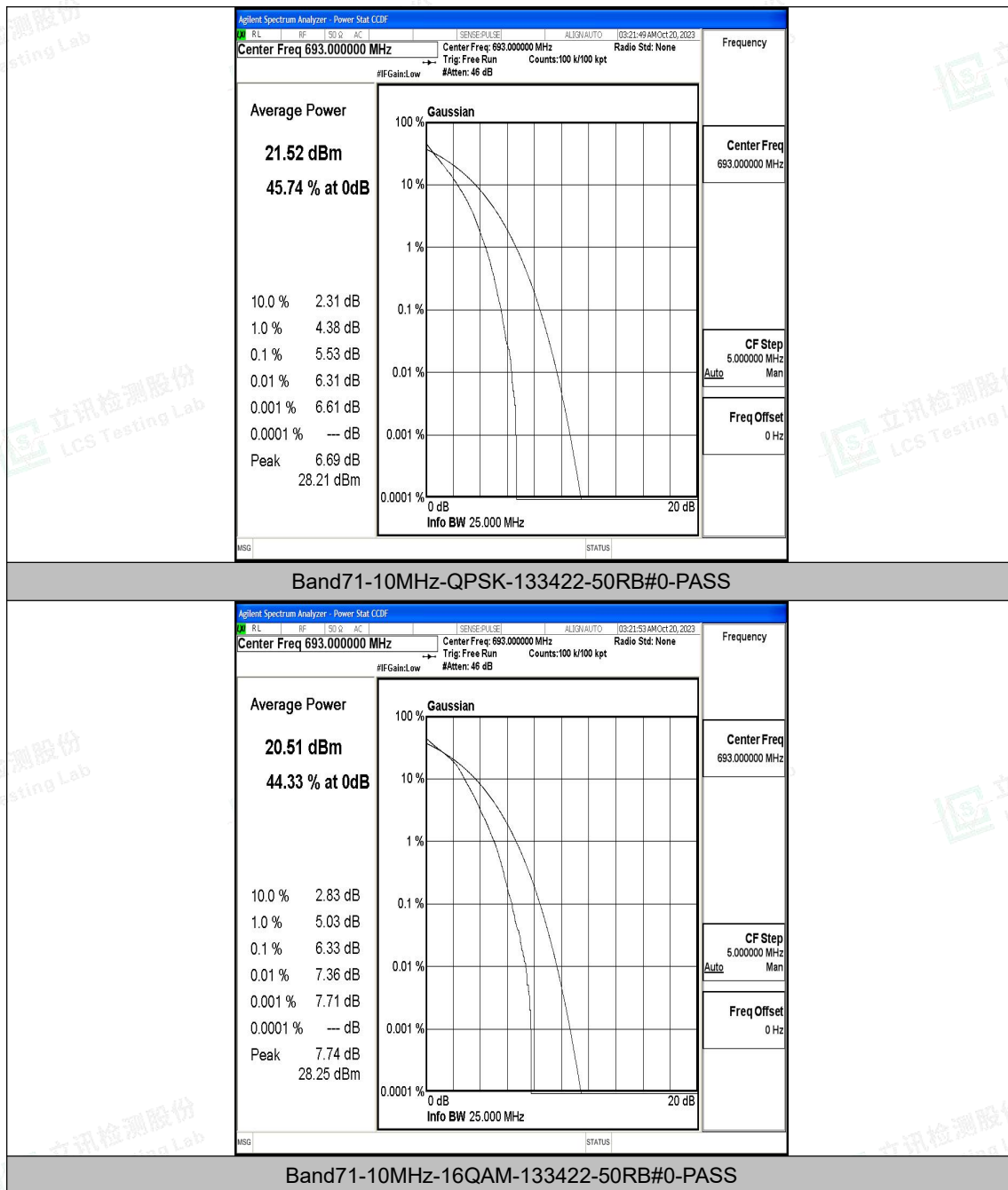


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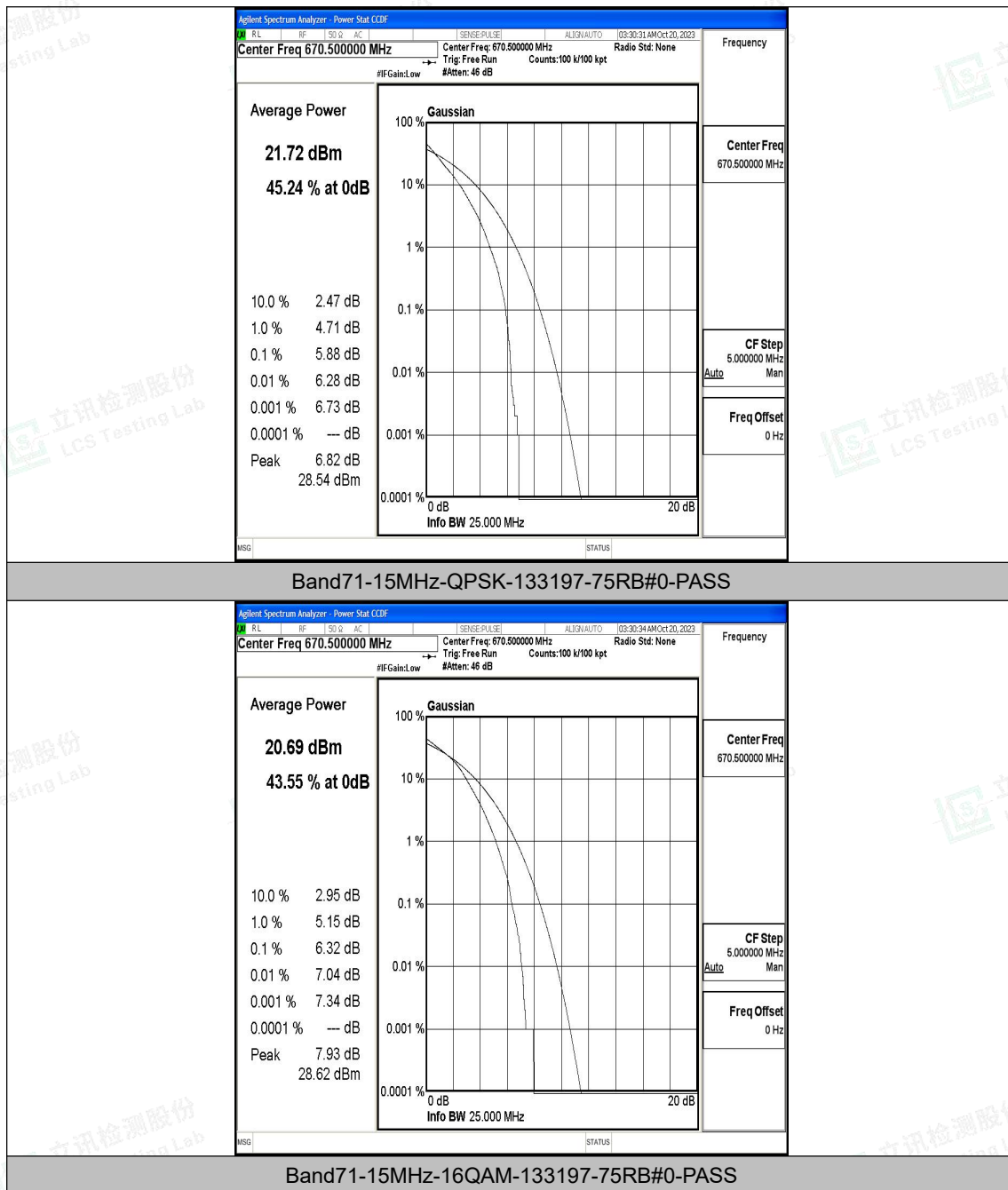


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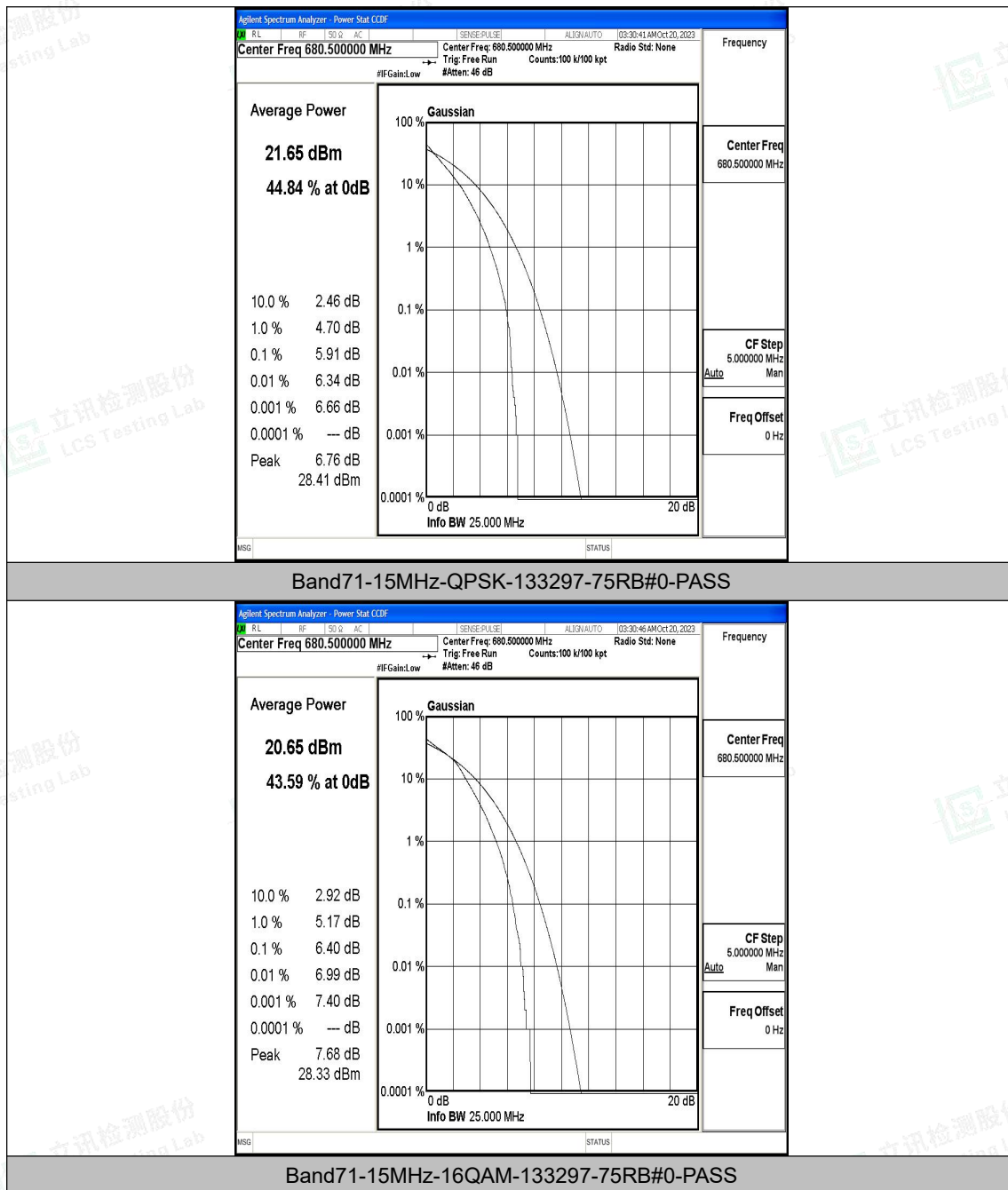


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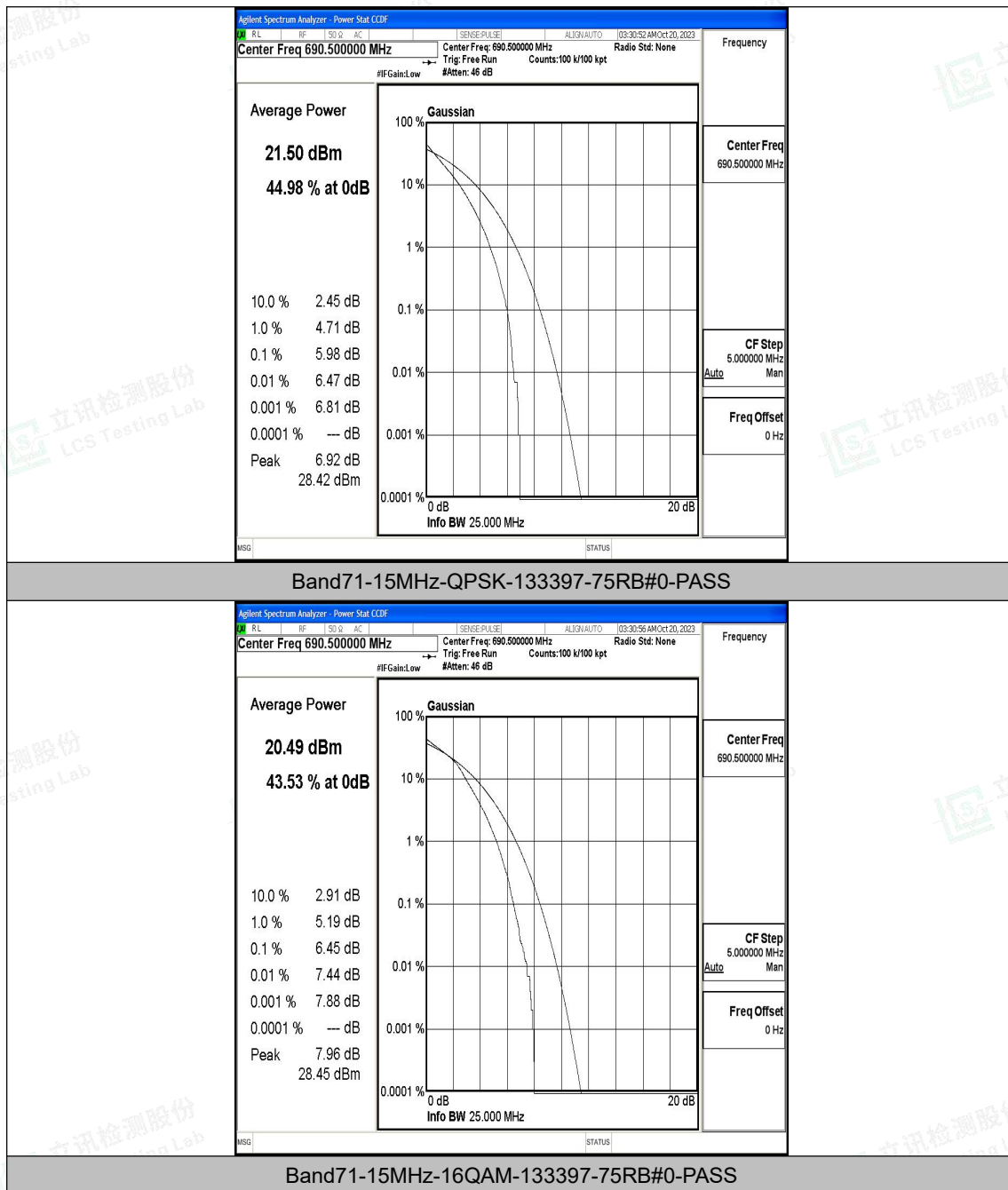


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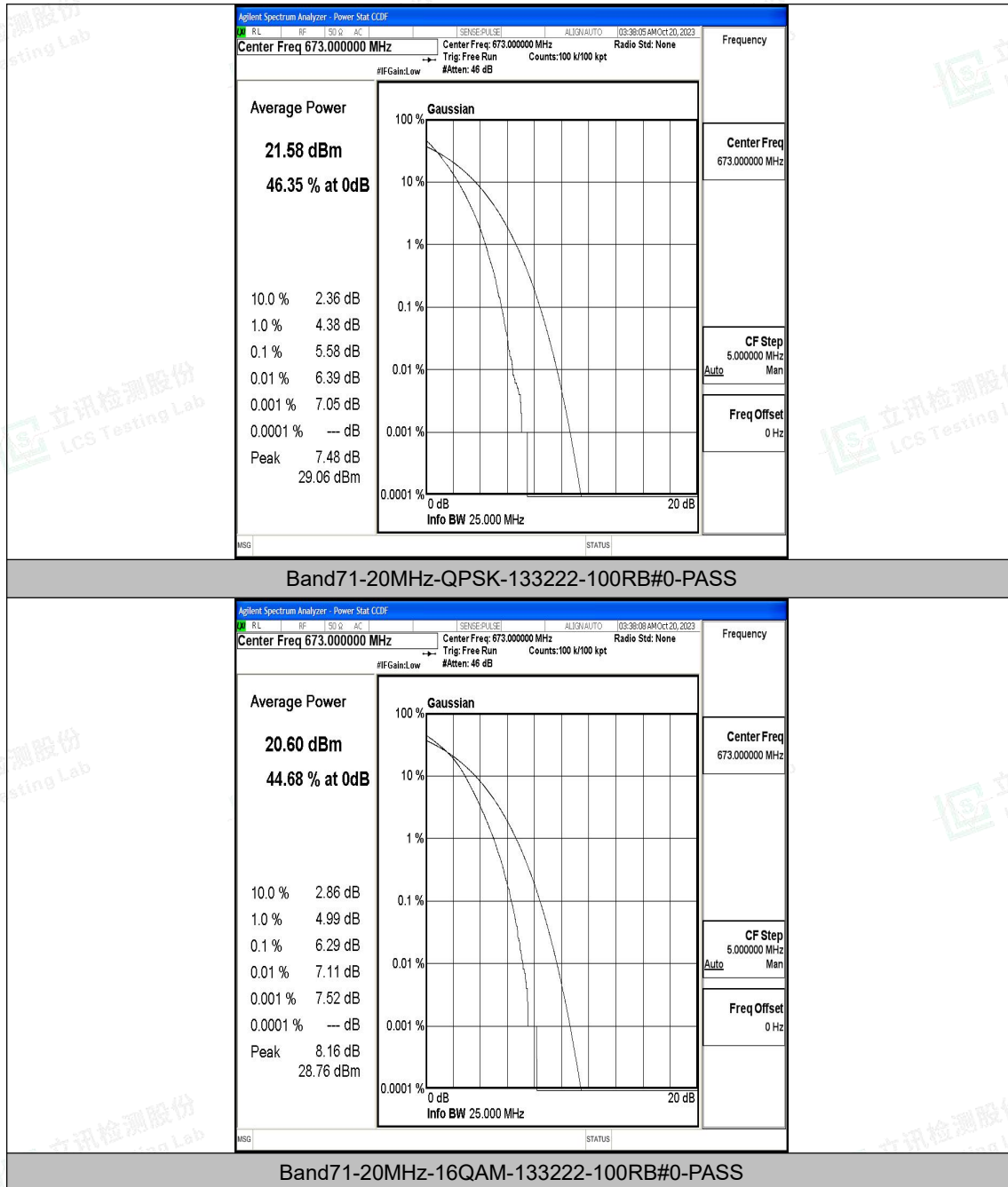


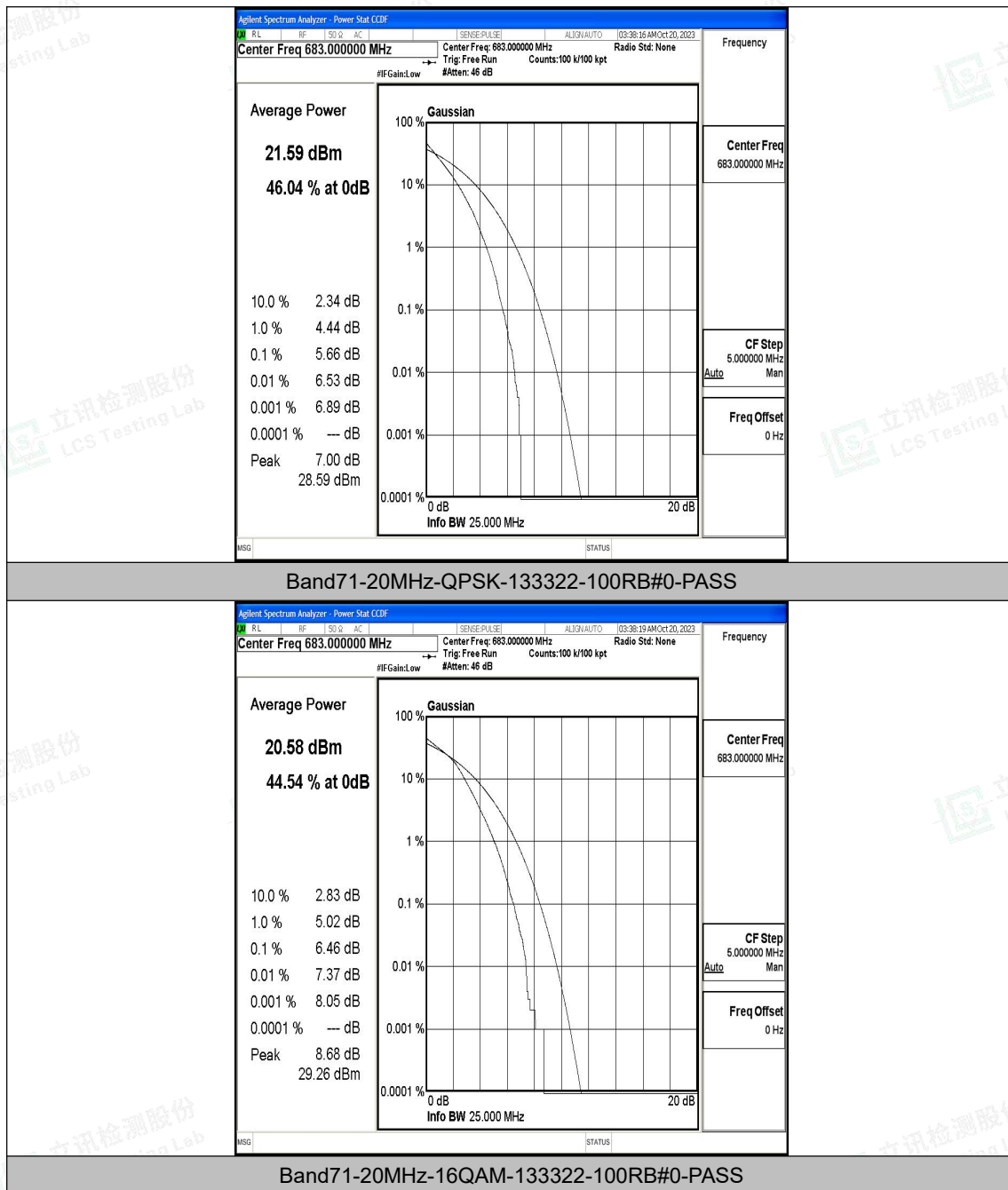
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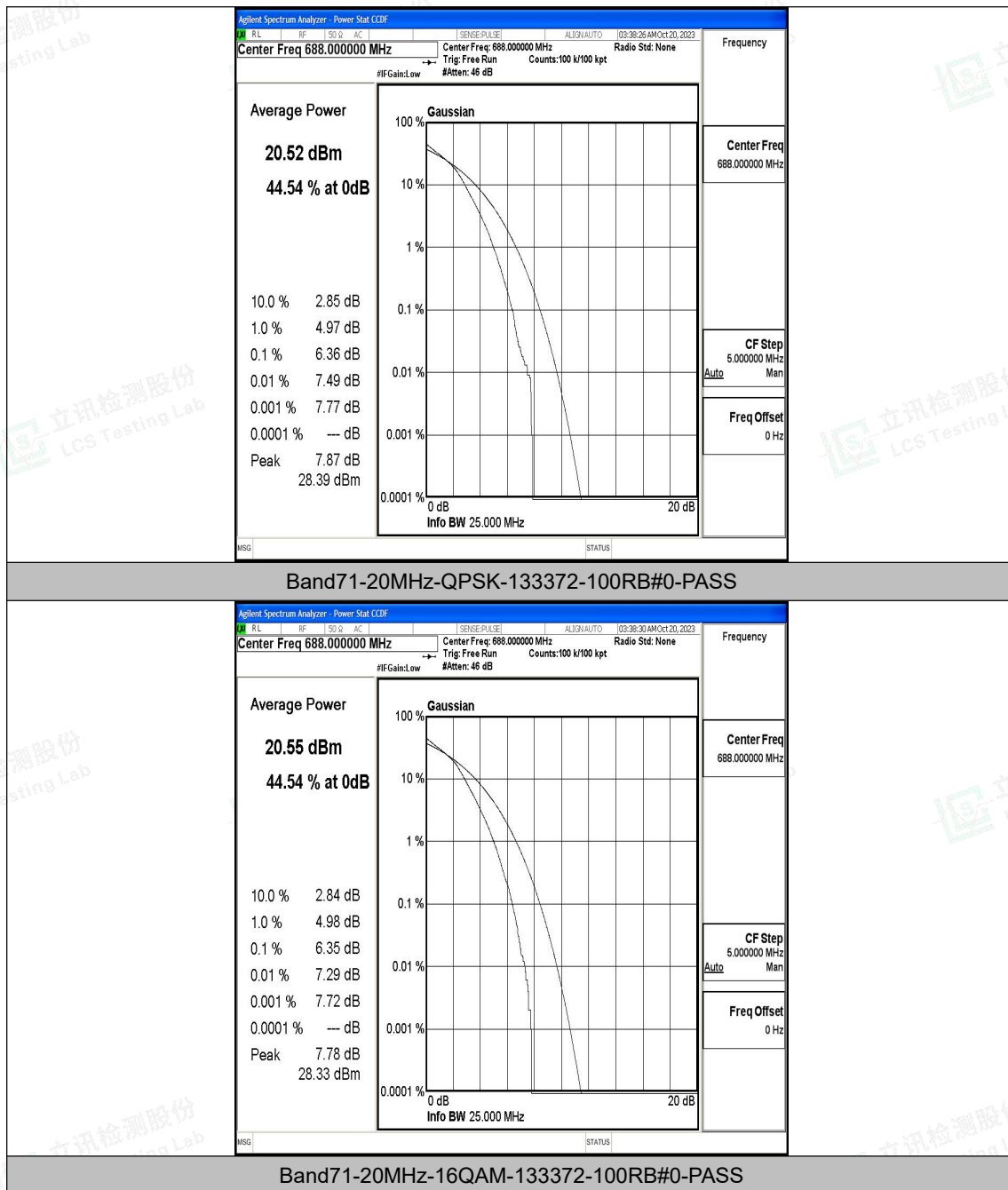


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Q.3 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band71	5MHz	QPSK	133147	25RB#0	4.5382	5.206	PASS
Band71	5MHz	16QAM	133147	25RB#0	4.5159	5.132	PASS
Band71	5MHz	QPSK	133297	25RB#0	4.5316	5.177	PASS
Band71	5MHz	16QAM	133297	25RB#0	4.5165	5.197	PASS
Band71	5MHz	QPSK	133447	25RB#0	4.5258	5.116	PASS
Band71	5MHz	16QAM	133447	25RB#0	4.5139	5.169	PASS
Band71	10MHz	QPSK	133172	50RB#0	9.0201	10.33	PASS
Band71	10MHz	16QAM	133172	50RB#0	9.0017	10.10	PASS
Band71	10MHz	QPSK	133297	50RB#0	9.0073	10.23	PASS
Band71	10MHz	16QAM	133297	50RB#0	9.0251	9.999	PASS
Band71	10MHz	QPSK	133422	50RB#0	9.0273	10.28	PASS
Band71	10MHz	16QAM	133422	50RB#0	8.9778	9.997	PASS
Band71	15MHz	QPSK	133197	75RB#0	13.488	14.92	PASS
Band71	15MHz	16QAM	133197	75RB#0	13.509	14.90	PASS
Band71	15MHz	QPSK	133297	75RB#0	13.501	15.04	PASS
Band71	15MHz	16QAM	133297	75RB#0	13.510	15.06	PASS
Band71	15MHz	QPSK	133397	75RB#0	13.523	15.08	PASS
Band71	15MHz	16QAM	133397	75RB#0	13.526	15.00	PASS
Band71	20MHz	QPSK	133222	100RB#0	17.962	19.63	PASS
Band71	20MHz	16QAM	133222	100RB#0	17.927	19.67	PASS
Band71	20MHz	QPSK	133322	100RB#0	17.951	19.66	PASS
Band71	20MHz	16QAM	133322	100RB#0	17.982	19.65	PASS
Band71	20MHz	QPSK	133372	100RB#0	17.965	19.91	PASS
Band71	20MHz	16QAM	133372	100RB#0	17.977	20.32	PASS



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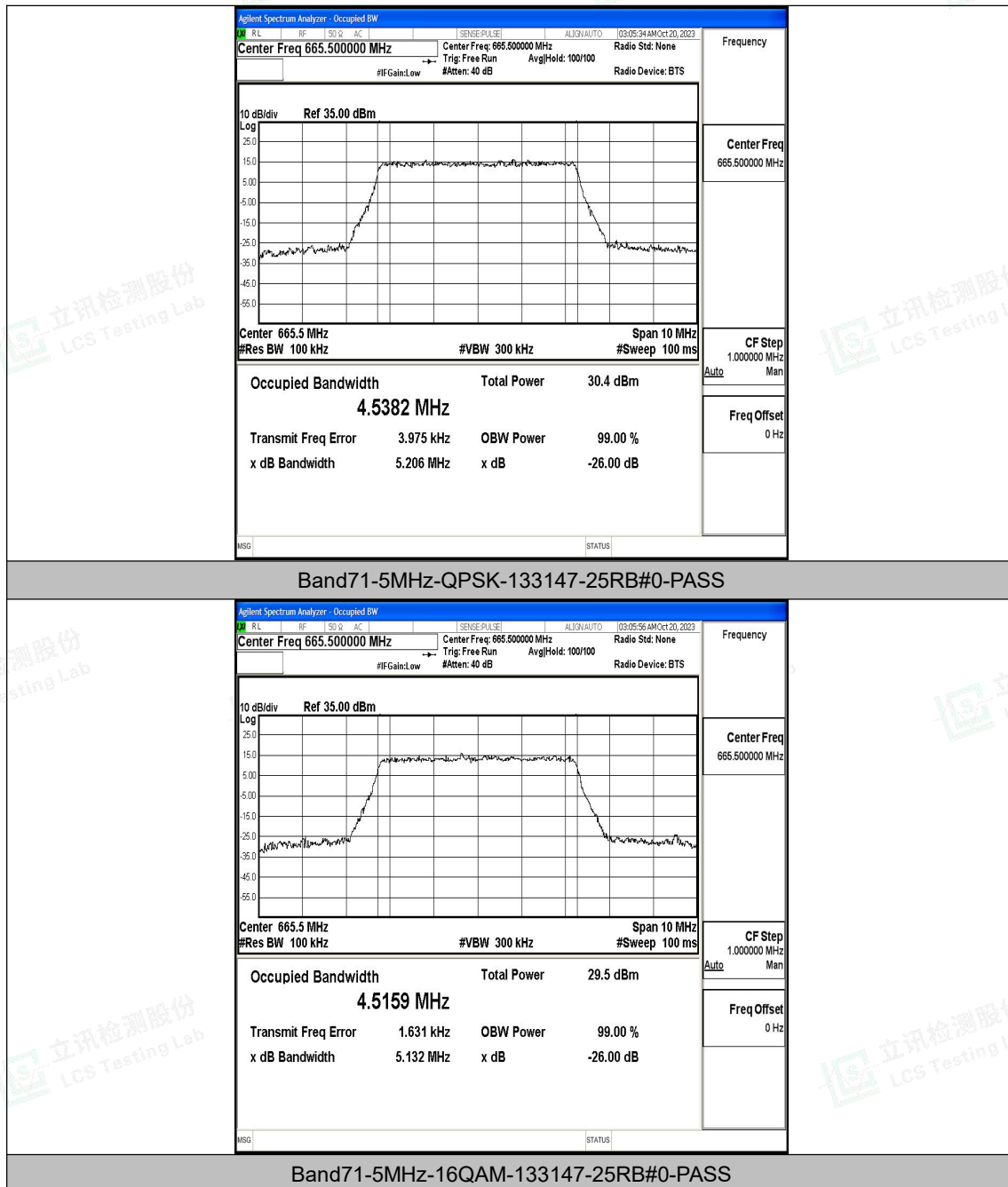
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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Test Graphs

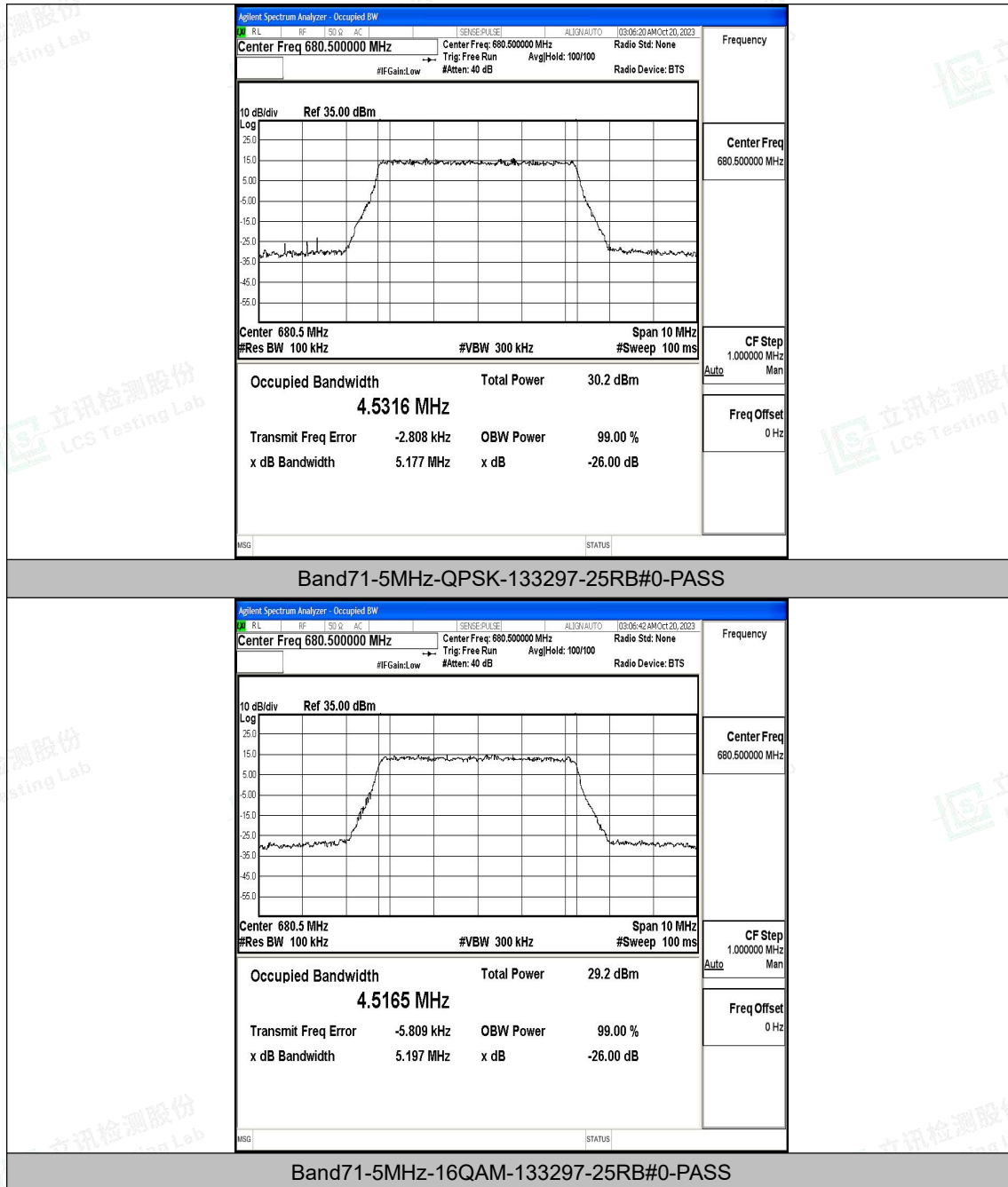


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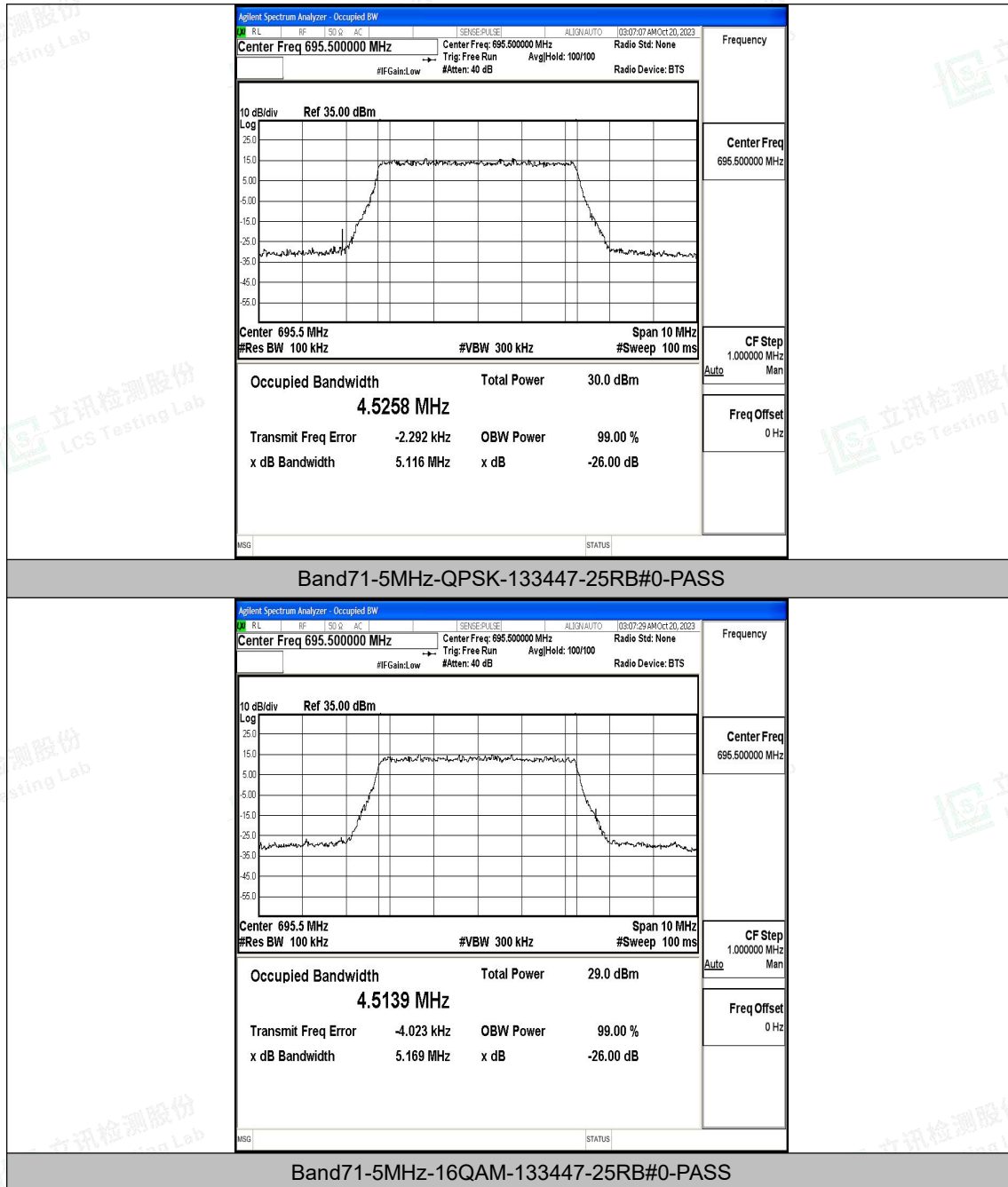


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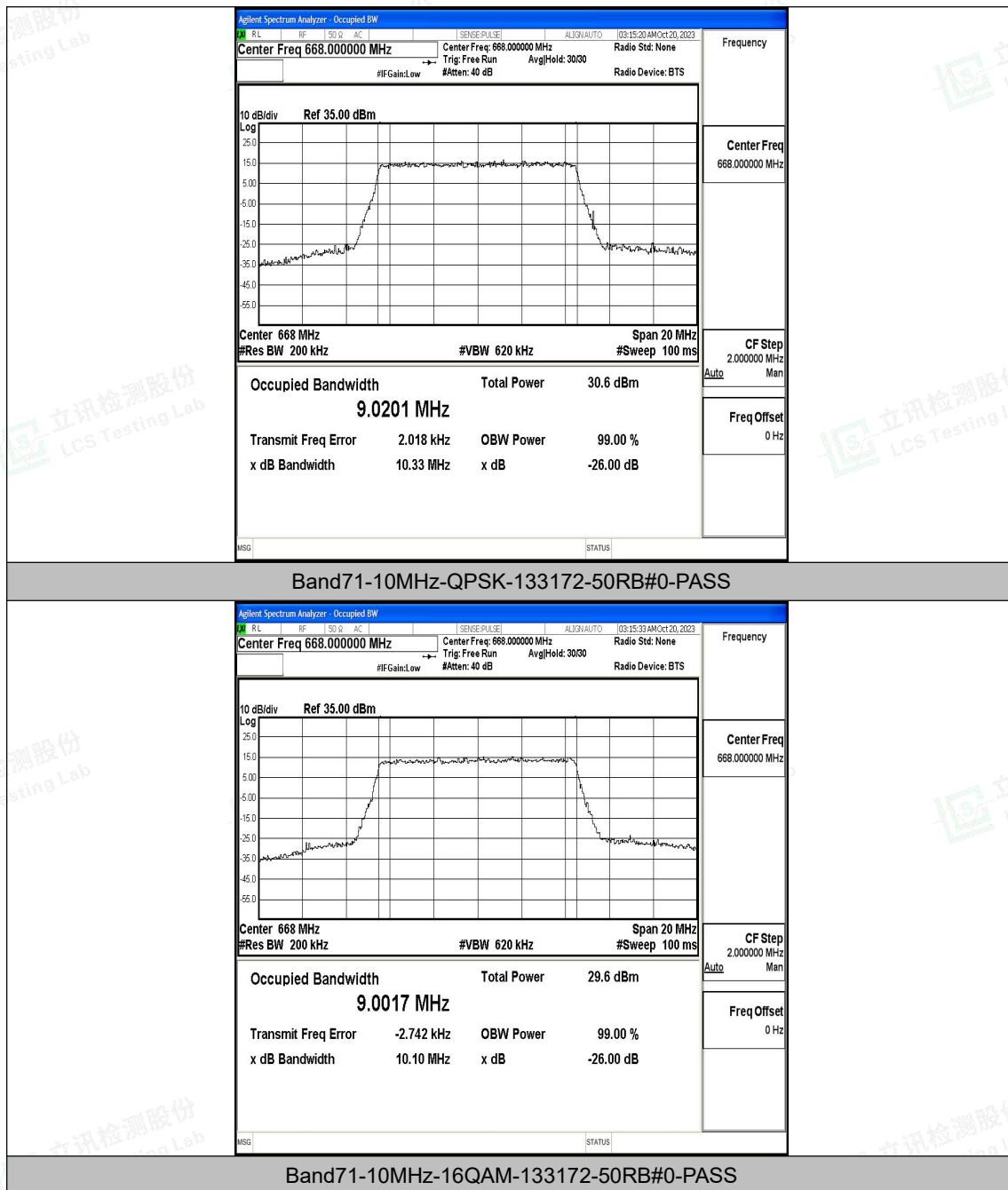


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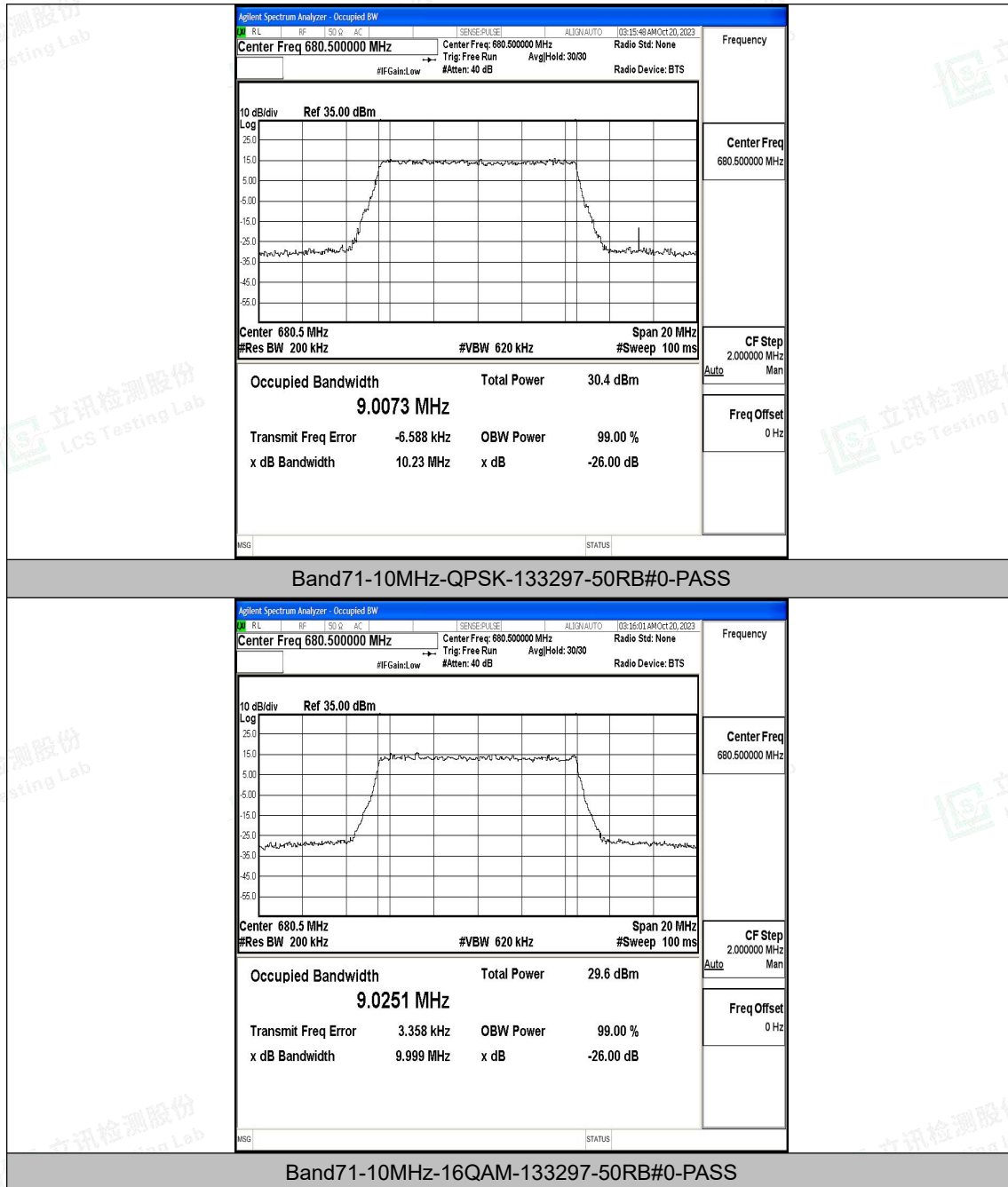


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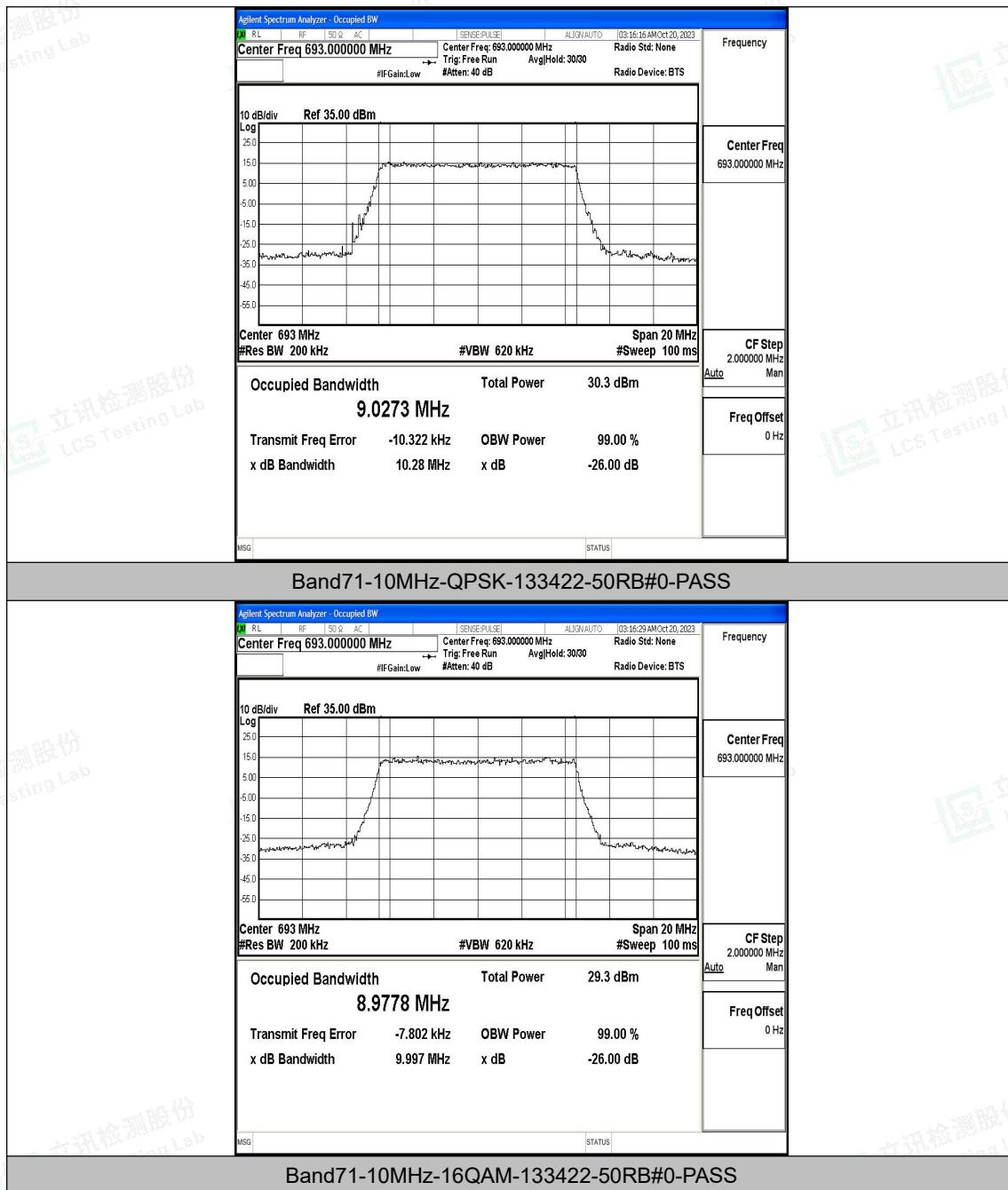


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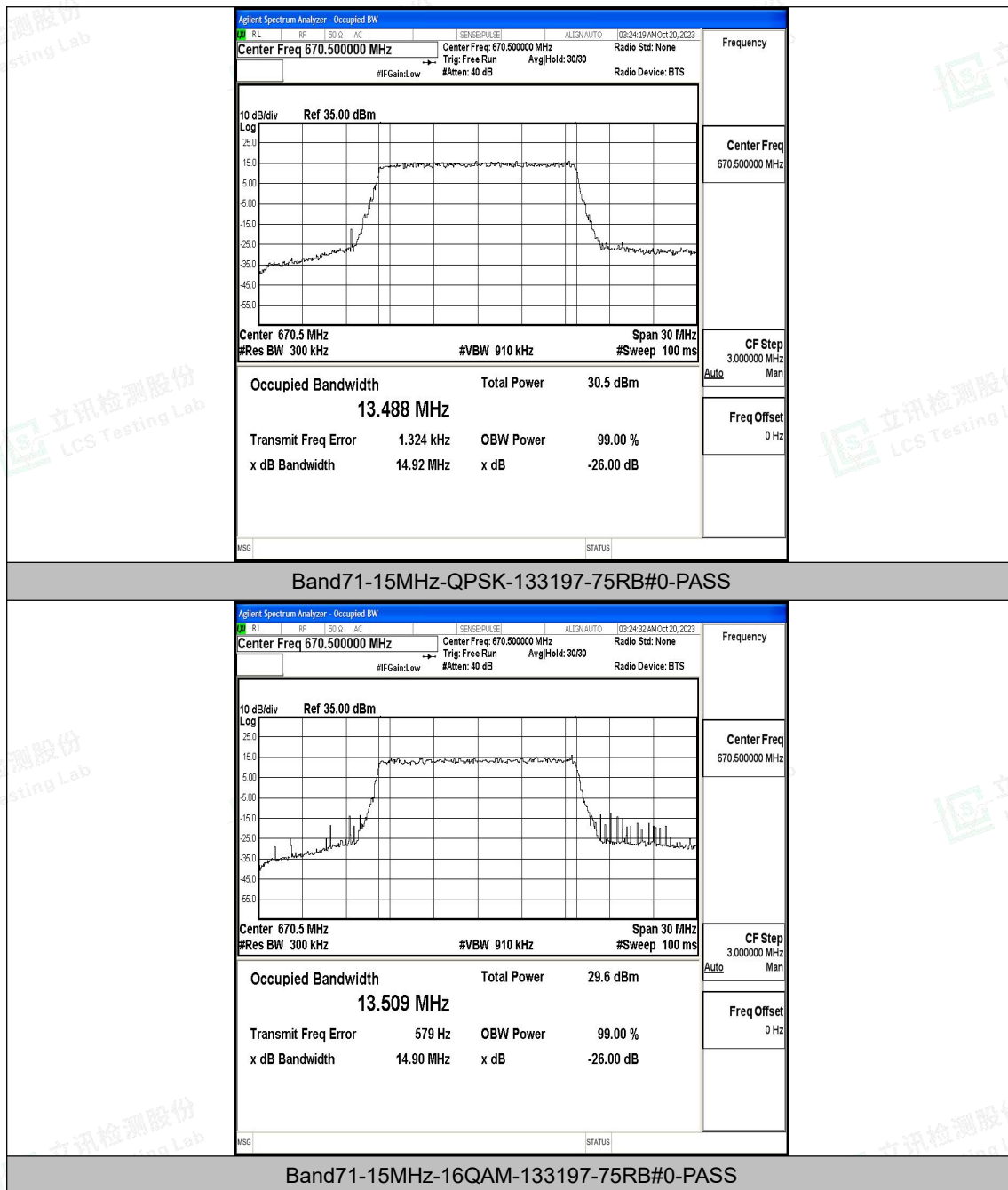


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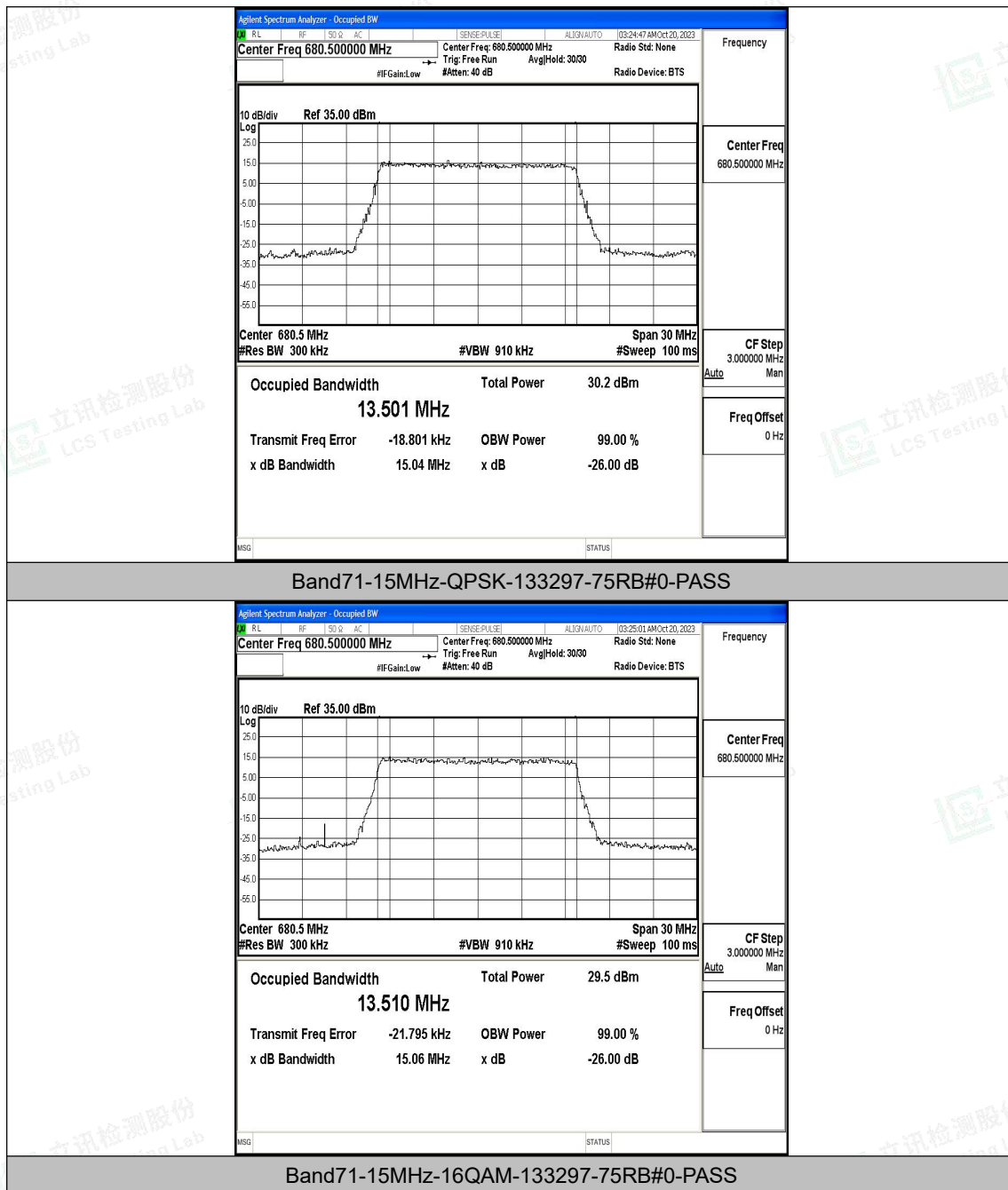


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