



Appendix G: Test Data for E-UTRA Band 5

Product Name: Smart POS

Test Model: WIZARPOS Q3 PDA

Environmental Conditions

Temperature:	23.9°C
Relative Humidity:	53.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Paddi Chen
Supervised by:	Nick Peng



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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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G.1 Conducted Output Power Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	23.46	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	23.39	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	23.37	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	23.32	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	23.35	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	23.34	PASS
Band5	1.4MHz	QPSK	20407	3RB#0	23.34	PASS
Band5	1.4MHz	16QAM	20407	3RB#0	23.34	PASS
Band5	1.4MHz	QPSK	20407	3RB#1	23.49	PASS
Band5	1.4MHz	16QAM	20407	3RB#1	23.48	PASS
Band5	1.4MHz	QPSK	20407	3RB#3	23.48	PASS
Band5	1.4MHz	16QAM	20407	3RB#3	23.50	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	23.48	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	23.48	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	23.32	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	22.13	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	23.30	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	22.29	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	23.32	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	23.11	PASS
Band5	1.4MHz	QPSK	20525	3RB#0	23.43	PASS
Band5	1.4MHz	16QAM	20525	3RB#0	22.91	PASS
Band5	1.4MHz	QPSK	20525	3RB#1	23.43	PASS
Band5	1.4MHz	16QAM	20525	3RB#1	22.91	PASS
Band5	1.4MHz	QPSK	20525	3RB#3	23.40	PASS
Band5	1.4MHz	16QAM	20525	3RB#3	22.78	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	22.52	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	21.99	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	23.16	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	23.48	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	23.00	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	23.04	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	22.60	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	22.74	PASS
Band5	1.4MHz	QPSK	20643	3RB#0	23.22	PASS
Band5	1.4MHz	16QAM	20643	3RB#0	22.82	PASS



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Band5	1.4MHz	QPSK	20643	3RB#1	23.18	PASS
Band5	1.4MHz	16QAM	20643	3RB#1	22.82	PASS
Band5	1.4MHz	QPSK	20643	3RB#3	23.13	PASS
Band5	1.4MHz	16QAM	20643	3RB#3	22.28	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	22.40	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	22.00	PASS
Band5	3MHz	QPSK	20415	1RB#0	23.09	PASS
Band5	3MHz	16QAM	20415	1RB#0	22.69	PASS
Band5	3MHz	QPSK	20415	1RB#8	23.29	PASS
Band5	3MHz	16QAM	20415	1RB#8	22.63	PASS
Band5	3MHz	QPSK	20415	1RB#14	23.14	PASS
Band5	3MHz	16QAM	20415	1RB#14	22.71	PASS
Band5	3MHz	QPSK	20415	8RB#0	22.25	PASS
Band5	3MHz	16QAM	20415	8RB#0	21.91	PASS
Band5	3MHz	QPSK	20415	8RB#4	22.25	PASS
Band5	3MHz	16QAM	20415	8RB#4	21.98	PASS
Band5	3MHz	QPSK	20415	8RB#7	22.29	PASS
Band5	3MHz	16QAM	20415	8RB#7	21.95	PASS
Band5	3MHz	QPSK	20415	15RB#0	22.17	PASS
Band5	3MHz	16QAM	20415	15RB#0	21.67	PASS
Band5	3MHz	QPSK	20525	1RB#0	23.11	PASS
Band5	3MHz	16QAM	20525	1RB#0	22.01	PASS
Band5	3MHz	QPSK	20525	1RB#8	23.09	PASS
Band5	3MHz	16QAM	20525	1RB#8	22.01	PASS
Band5	3MHz	QPSK	20525	1RB#14	23.09	PASS
Band5	3MHz	16QAM	20525	1RB#14	22.10	PASS
Band5	3MHz	QPSK	20525	8RB#0	22.18	PASS
Band5	3MHz	16QAM	20525	8RB#0	21.81	PASS
Band5	3MHz	QPSK	20525	8RB#4	22.19	PASS
Band5	3MHz	16QAM	20525	8RB#4	22.09	PASS
Band5	3MHz	QPSK	20525	8RB#7	22.21	PASS
Band5	3MHz	16QAM	20525	8RB#7	21.95	PASS
Band5	3MHz	QPSK	20525	15RB#0	22.05	PASS
Band5	3MHz	16QAM	20525	15RB#0	21.56	PASS
Band5	3MHz	QPSK	20635	1RB#0	23.05	PASS
Band5	3MHz	16QAM	20635	1RB#0	23.54	PASS
Band5	3MHz	QPSK	20635	1RB#8	23.00	PASS
Band5	3MHz	16QAM	20635	1RB#8	23.28	PASS
Band5	3MHz	QPSK	20635	1RB#14	22.64	PASS
Band5	3MHz	16QAM	20635	1RB#14	22.73	PASS





Band5	3MHz	QPSK	20635	8RB#0	22.40	PASS
Band5	3MHz	16QAM	20635	8RB#0	21.86	PASS
Band5	3MHz	QPSK	20635	8RB#4	22.26	PASS
Band5	3MHz	16QAM	20635	8RB#4	21.86	PASS
Band5	3MHz	QPSK	20635	8RB#7	22.21	PASS
Band5	3MHz	16QAM	20635	8RB#7	21.87	PASS
Band5	3MHz	QPSK	20635	15RB#0	22.20	PASS
Band5	3MHz	16QAM	20635	15RB#0	21.74	PASS
Band5	5MHz	QPSK	20425	1RB#0	23.06	PASS
Band5	5MHz	16QAM	20425	1RB#0	21.99	PASS
Band5	5MHz	QPSK	20425	1RB#12	23.20	PASS
Band5	5MHz	16QAM	20425	1RB#12	21.94	PASS
Band5	5MHz	QPSK	20425	1RB#24	23.10	PASS
Band5	5MHz	16QAM	20425	1RB#24	22.09	PASS
Band5	5MHz	QPSK	20425	12RB#0	22.20	PASS
Band5	5MHz	16QAM	20425	12RB#0	21.80	PASS
Band5	5MHz	QPSK	20425	12RB#6	22.20	PASS
Band5	5MHz	16QAM	20425	12RB#6	21.70	PASS
Band5	5MHz	QPSK	20425	12RB#13	21.94	PASS
Band5	5MHz	16QAM	20425	12RB#13	21.68	PASS
Band5	5MHz	QPSK	20425	25RB#0	22.18	PASS
Band5	5MHz	16QAM	20425	25RB#0	21.83	PASS
Band5	5MHz	QPSK	20525	1RB#0	22.88	PASS
Band5	5MHz	16QAM	20525	1RB#0	23.07	PASS
Band5	5MHz	QPSK	20525	1RB#12	22.77	PASS
Band5	5MHz	16QAM	20525	1RB#12	23.12	PASS
Band5	5MHz	QPSK	20525	1RB#24	22.90	PASS
Band5	5MHz	16QAM	20525	1RB#24	23.06	PASS
Band5	5MHz	QPSK	20525	12RB#0	22.04	PASS
Band5	5MHz	16QAM	20525	12RB#0	21.80	PASS
Band5	5MHz	QPSK	20525	12RB#6	22.24	PASS
Band5	5MHz	16QAM	20525	12RB#6	21.67	PASS
Band5	5MHz	QPSK	20525	12RB#13	22.25	PASS
Band5	5MHz	16QAM	20525	12RB#13	21.70	PASS
Band5	5MHz	QPSK	20525	25RB#0	22.22	PASS
Band5	5MHz	16QAM	20525	25RB#0	21.53	PASS
Band5	5MHz	QPSK	20625	1RB#0	23.12	PASS
Band5	5MHz	16QAM	20625	1RB#0	22.56	PASS
Band5	5MHz	QPSK	20625	1RB#12	23.11	PASS
Band5	5MHz	16QAM	20625	1RB#12	22.67	PASS



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Band5	5MHz	QPSK	20625	1RB#24	22.78	PASS
Band5	5MHz	16QAM	20625	1RB#24	22.38	PASS
Band5	5MHz	QPSK	20625	12RB#0	22.36	PASS
Band5	5MHz	16QAM	20625	12RB#0	21.55	PASS
Band5	5MHz	QPSK	20625	12RB#6	22.27	PASS
Band5	5MHz	16QAM	20625	12RB#6	21.89	PASS
Band5	5MHz	QPSK	20625	12RB#13	22.20	PASS
Band5	5MHz	16QAM	20625	12RB#13	21.80	PASS
Band5	5MHz	QPSK	20625	25RB#0	22.30	PASS
Band5	5MHz	16QAM	20625	25RB#0	21.76	PASS
Band5	10MHz	QPSK	20450	1RB#0	22.96	PASS
Band5	10MHz	16QAM	20450	1RB#0	22.87	PASS
Band5	10MHz	QPSK	20450	1RB#24	23.06	PASS
Band5	10MHz	16QAM	20450	1RB#24	22.88	PASS
Band5	10MHz	QPSK	20450	1RB#49	23.03	PASS
Band5	10MHz	16QAM	20450	1RB#49	22.74	PASS
Band5	10MHz	QPSK	20450	25RB#0	22.06	PASS
Band5	10MHz	16QAM	20450	25RB#0	21.60	PASS
Band5	10MHz	QPSK	20450	25RB#12	22.26	PASS
Band5	10MHz	16QAM	20450	25RB#12	21.64	PASS
Band5	10MHz	QPSK	20450	25RB#25	22.04	PASS
Band5	10MHz	16QAM	20450	25RB#25	21.58	PASS
Band5	10MHz	QPSK	20450	50RB#0	22.26	PASS
Band5	10MHz	16QAM	20450	50RB#0	21.64	PASS
Band5	10MHz	QPSK	20525	1RB#0	23.11	PASS
Band5	10MHz	16QAM	20525	1RB#0	22.76	PASS
Band5	10MHz	QPSK	20525	1RB#24	23.18	PASS
Band5	10MHz	16QAM	20525	1RB#24	22.81	PASS
Band5	10MHz	QPSK	20525	1RB#49	23.23	PASS
Band5	10MHz	16QAM	20525	1RB#49	22.90	PASS
Band5	10MHz	QPSK	20525	25RB#0	22.11	PASS
Band5	10MHz	16QAM	20525	25RB#0	21.79	PASS
Band5	10MHz	QPSK	20525	25RB#12	22.11	PASS
Band5	10MHz	16QAM	20525	25RB#12	21.79	PASS
Band5	10MHz	QPSK	20525	25RB#25	22.18	PASS
Band5	10MHz	16QAM	20525	25RB#25	21.77	PASS
Band5	10MHz	QPSK	20525	50RB#0	22.24	PASS
Band5	10MHz	16QAM	20525	50RB#0	21.70	PASS
Band5	10MHz	QPSK	20600	1RB#0	23.11	PASS
Band5	10MHz	16QAM	20600	1RB#0	23.29	PASS





Band5	10MHz	QPSK	20600	1RB#24	23.08	PASS
Band5	10MHz	16QAM	20600	1RB#24	23.25	PASS
Band5	10MHz	QPSK	20600	1RB#49	22.94	PASS
Band5	10MHz	16QAM	20600	1RB#49	23.00	PASS
Band5	10MHz	QPSK	20600	25RB#0	22.36	PASS
Band5	10MHz	16QAM	20600	25RB#0	21.87	PASS
Band5	10MHz	QPSK	20600	25RB#12	22.13	PASS
Band5	10MHz	16QAM	20600	25RB#12	21.88	PASS
Band5	10MHz	QPSK	20600	25RB#25	22.47	PASS
Band5	10MHz	16QAM	20600	25RB#25	21.89	PASS
Band5	10MHz	QPSK	20600	50RB#0	22.29	PASS
Band5	10MHz	16QAM	20600	50RB#0	21.93	PASS



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

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	4.89	13	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	5.17	13	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	5.55	13	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	6.17	13	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	4.70	13	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	5.52	13	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	5.39	13	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	5.96	13	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	4.05	13	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	3.79	13	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	4.75	13	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	5.33	13	PASS
Band5	3MHz	QPSK	20415	1RB#0	5.01	13	PASS
Band5	3MHz	16QAM	20415	1RB#0	5.64	13	PASS
Band5	3MHz	QPSK	20415	15RB#0	5.66	13	PASS
Band5	3MHz	16QAM	20415	15RB#0	6.34	13	PASS
Band5	3MHz	QPSK	20525	1RB#0	4.76	13	PASS
Band5	3MHz	16QAM	20525	1RB#0	5.13	13	PASS
Band5	3MHz	QPSK	20525	15RB#0	5.40	13	PASS
Band5	3MHz	16QAM	20525	15RB#0	6.05	13	PASS
Band5	3MHz	QPSK	20635	1RB#0	4.17	13	PASS
Band5	3MHz	16QAM	20635	1RB#0	4.18	13	PASS
Band5	3MHz	QPSK	20635	15RB#0	4.97	13	PASS
Band5	3MHz	16QAM	20635	15RB#0	5.54	13	PASS
Band5	5MHz	QPSK	20425	1RB#0	5.17	13	PASS
Band5	5MHz	16QAM	20425	1RB#0	5.70	13	PASS
Band5	5MHz	QPSK	20425	25RB#0	5.67	13	PASS
Band5	5MHz	16QAM	20425	25RB#0	6.27	13	PASS
Band5	5MHz	QPSK	20525	1RB#0	4.84	13	PASS
Band5	5MHz	16QAM	20525	1RB#0	5.22	13	PASS
Band5	5MHz	QPSK	20525	25RB#0	5.50	13	PASS
Band5	5MHz	16QAM	20525	25RB#0	6.11	13	PASS
Band5	5MHz	QPSK	20625	1RB#0	4.27	13	PASS
Band5	5MHz	16QAM	20625	1RB#0	4.56	13	PASS
Band5	5MHz	QPSK	20625	25RB#0	5.33	13	PASS
Band5	5MHz	16QAM	20625	25RB#0	5.90	13	PASS



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Band5	10MHz	QPSK	20450	1RB#0	5.07	13	PASS
Band5	10MHz	16QAM	20450	1RB#0	5.53	13	PASS
Band5	10MHz	QPSK	20450	50RB#0	5.60	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	6.26	13	PASS
Band5	10MHz	QPSK	20525	1RB#0	4.88	13	PASS
Band5	10MHz	16QAM	20525	1RB#0	5.69	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.52	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	6.19	13	PASS
Band5	10MHz	QPSK	20600	1RB#0	4.77	13	PASS
Band5	10MHz	16QAM	20600	1RB#0	5.32	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	5.33	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	5.96	13	PASS



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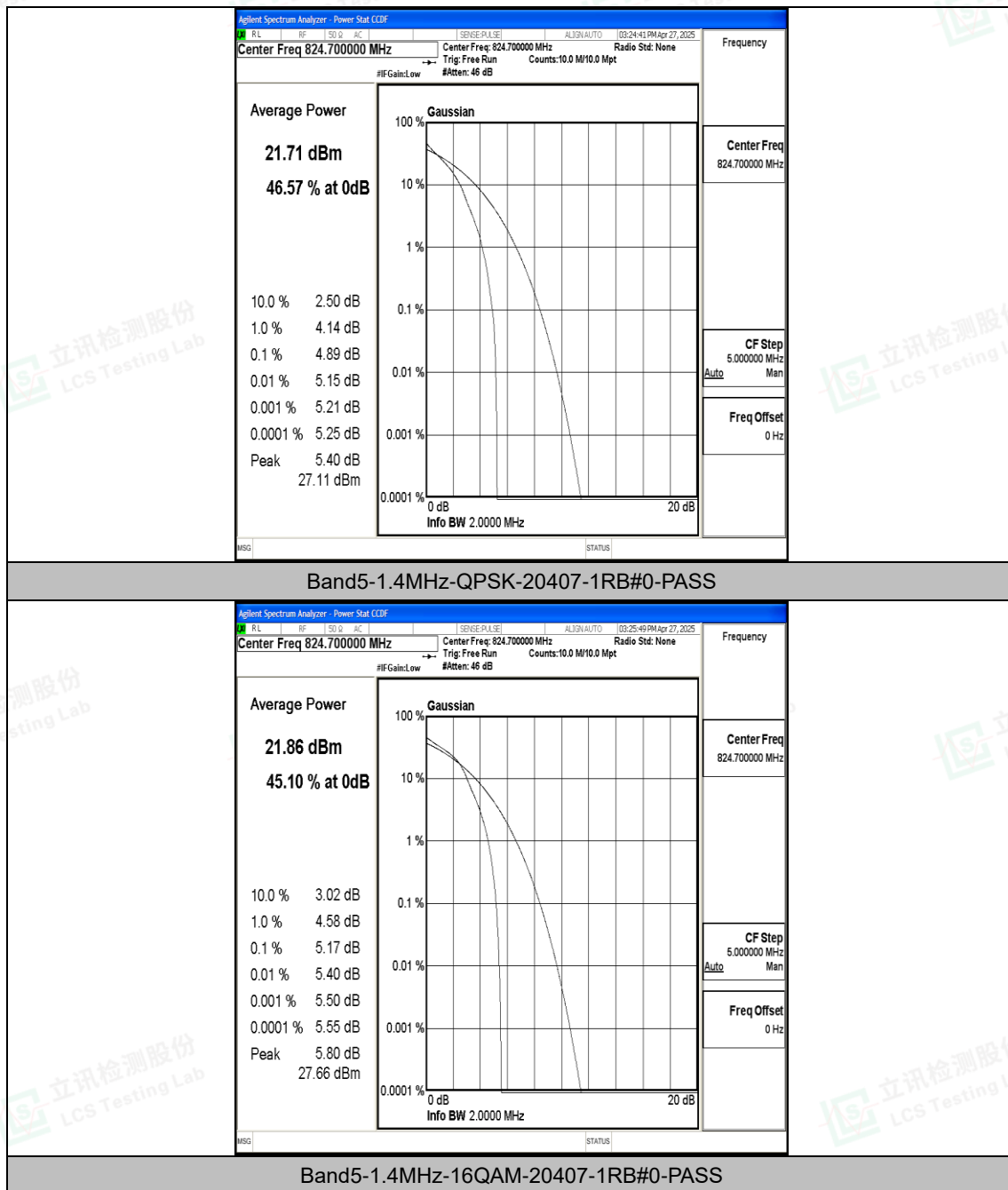
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Test Graphs

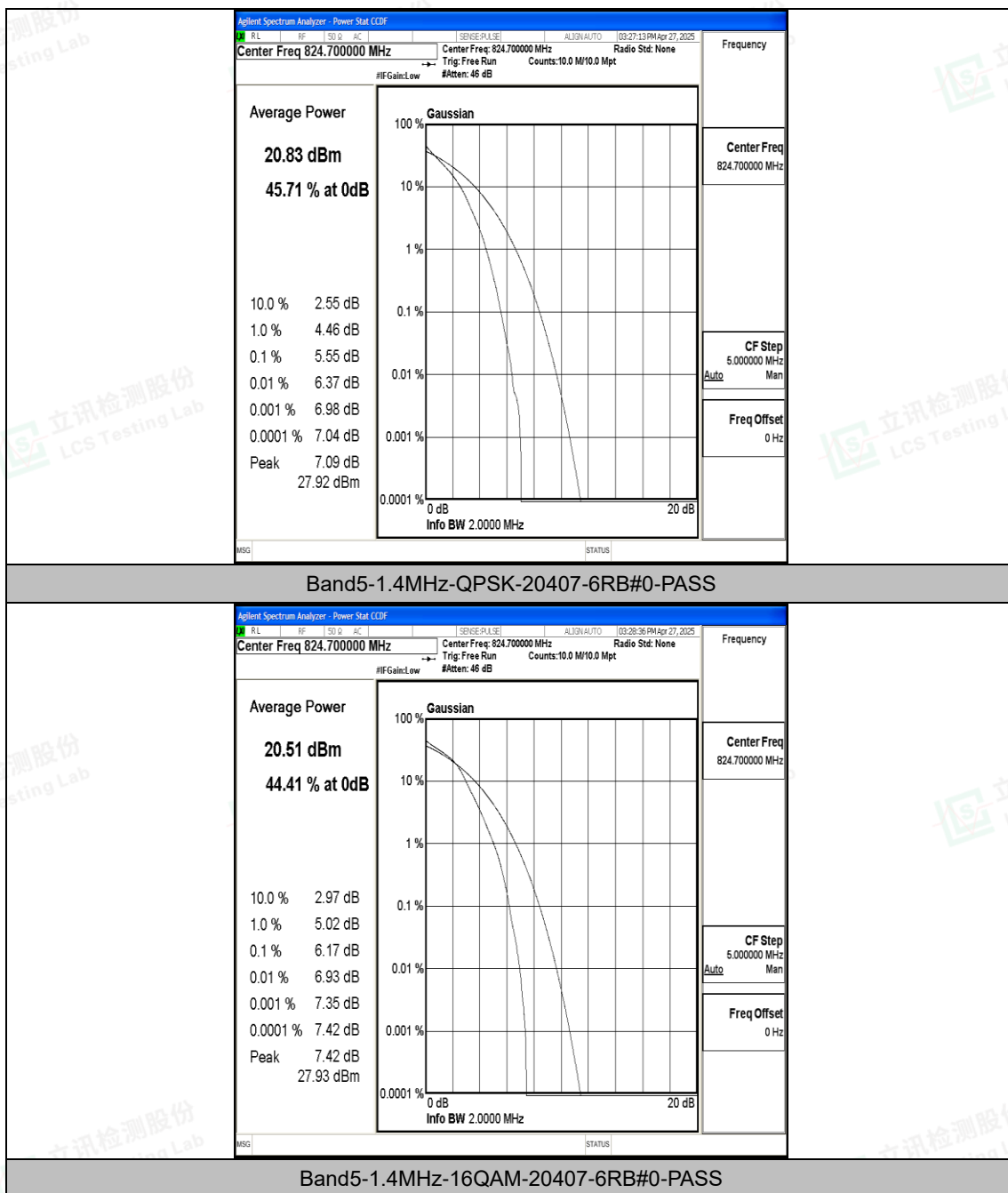


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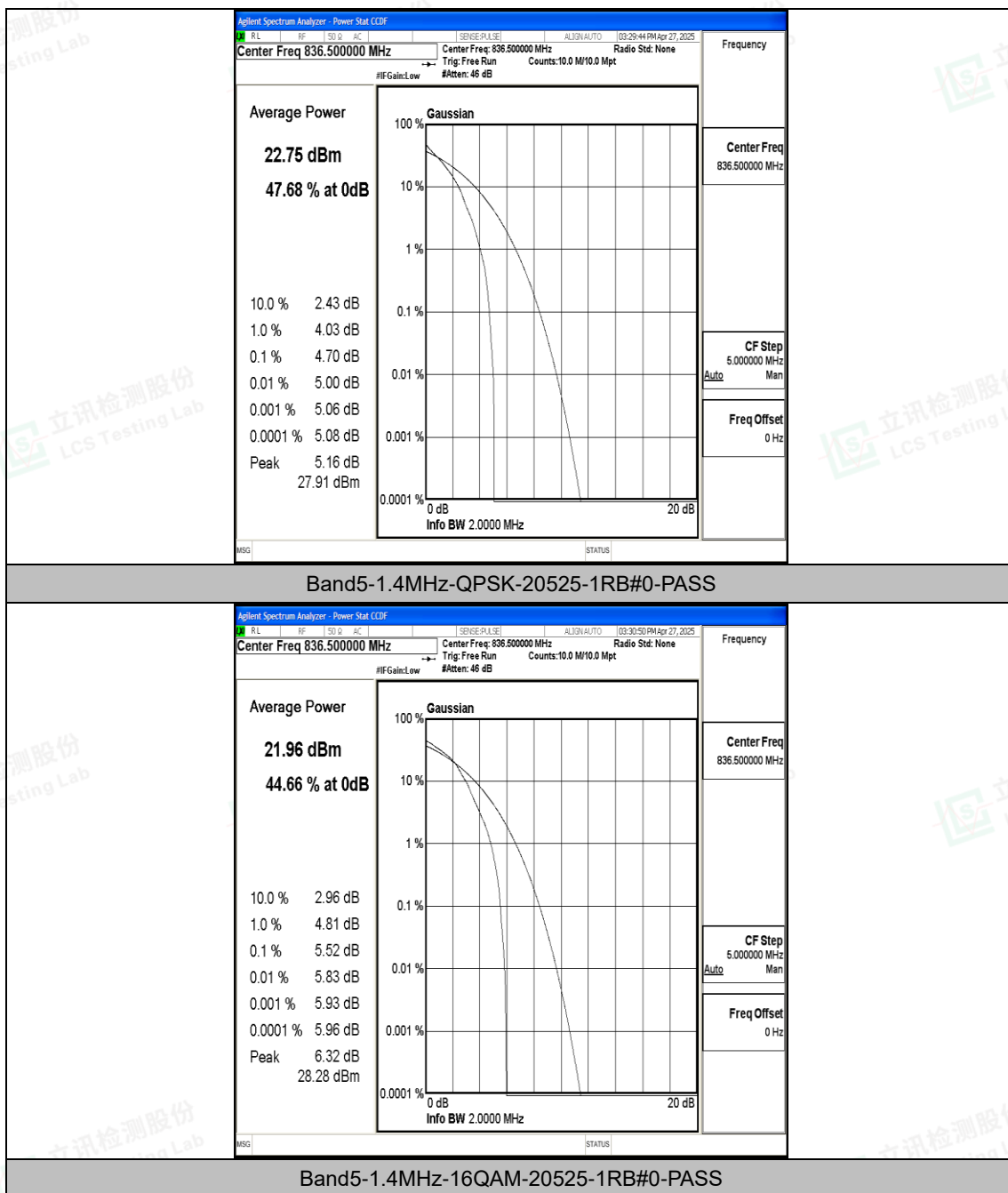


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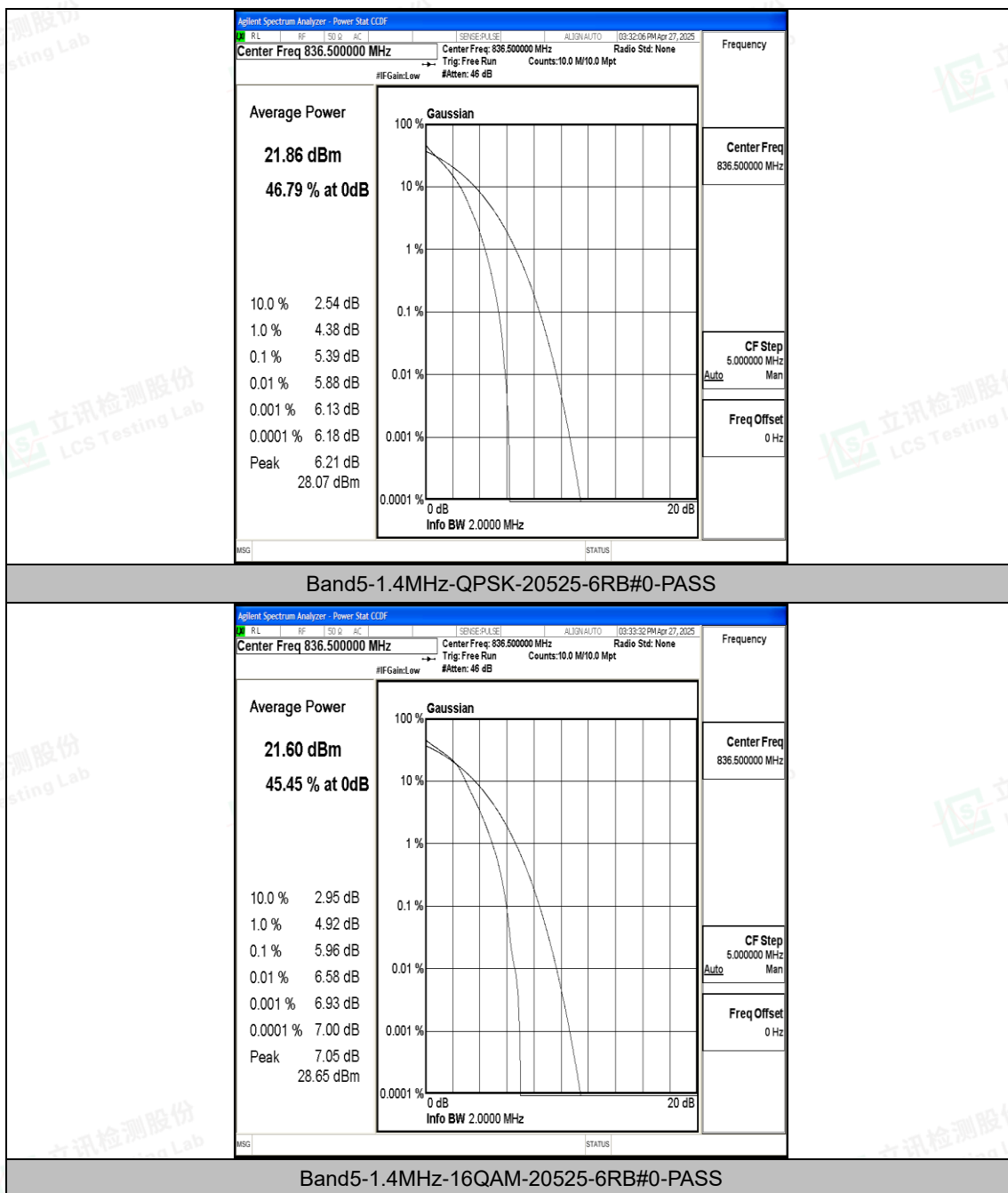


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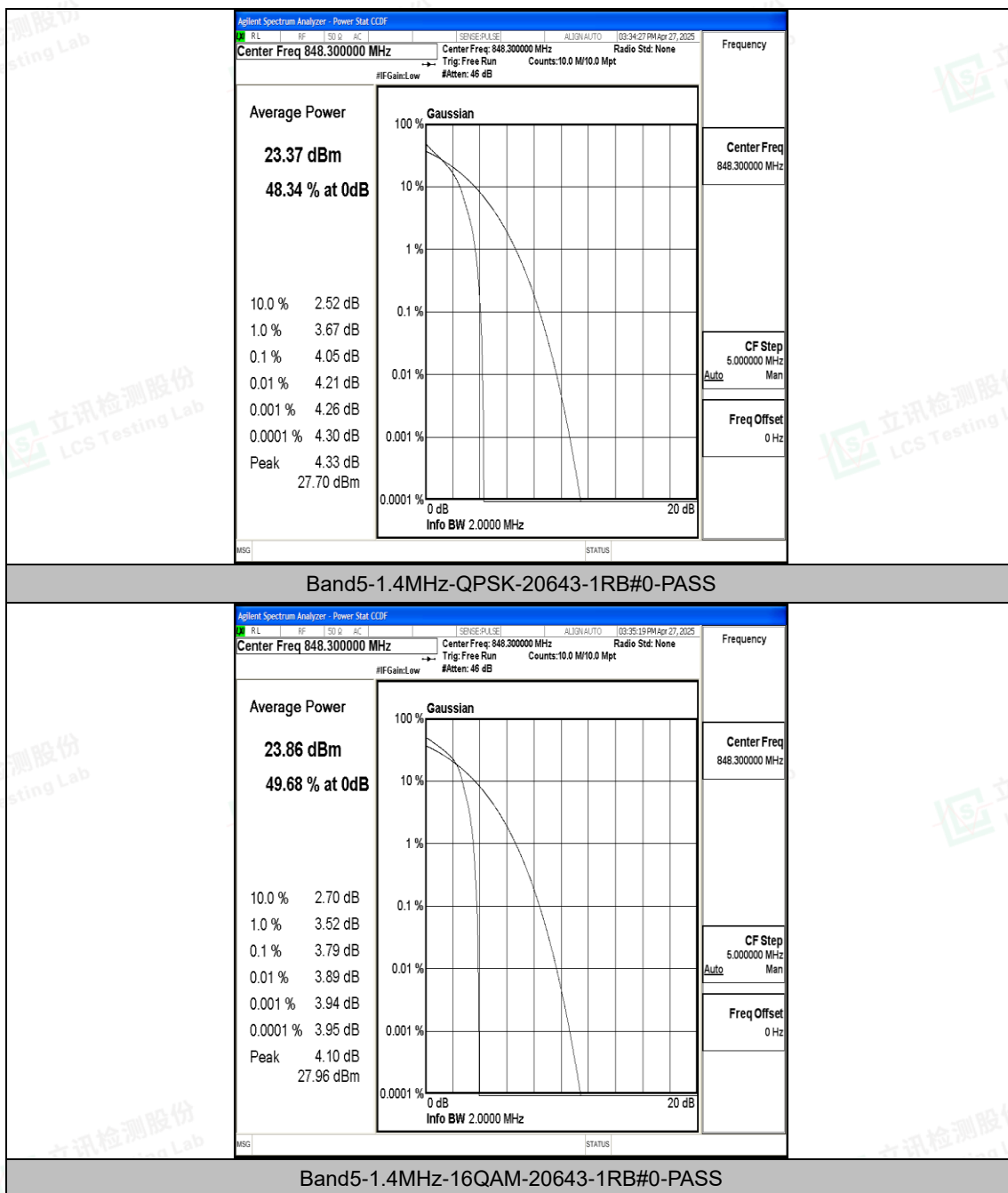


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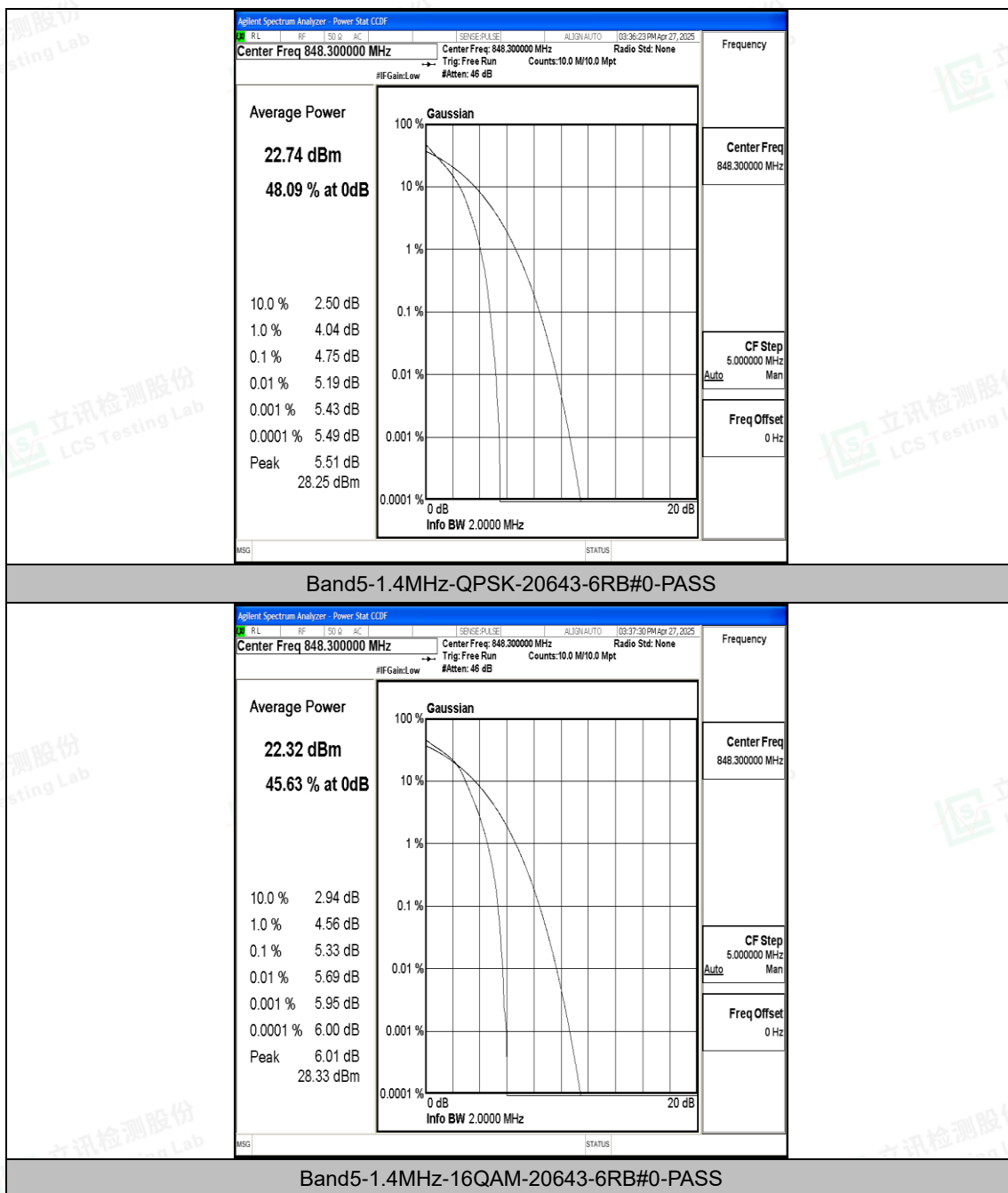


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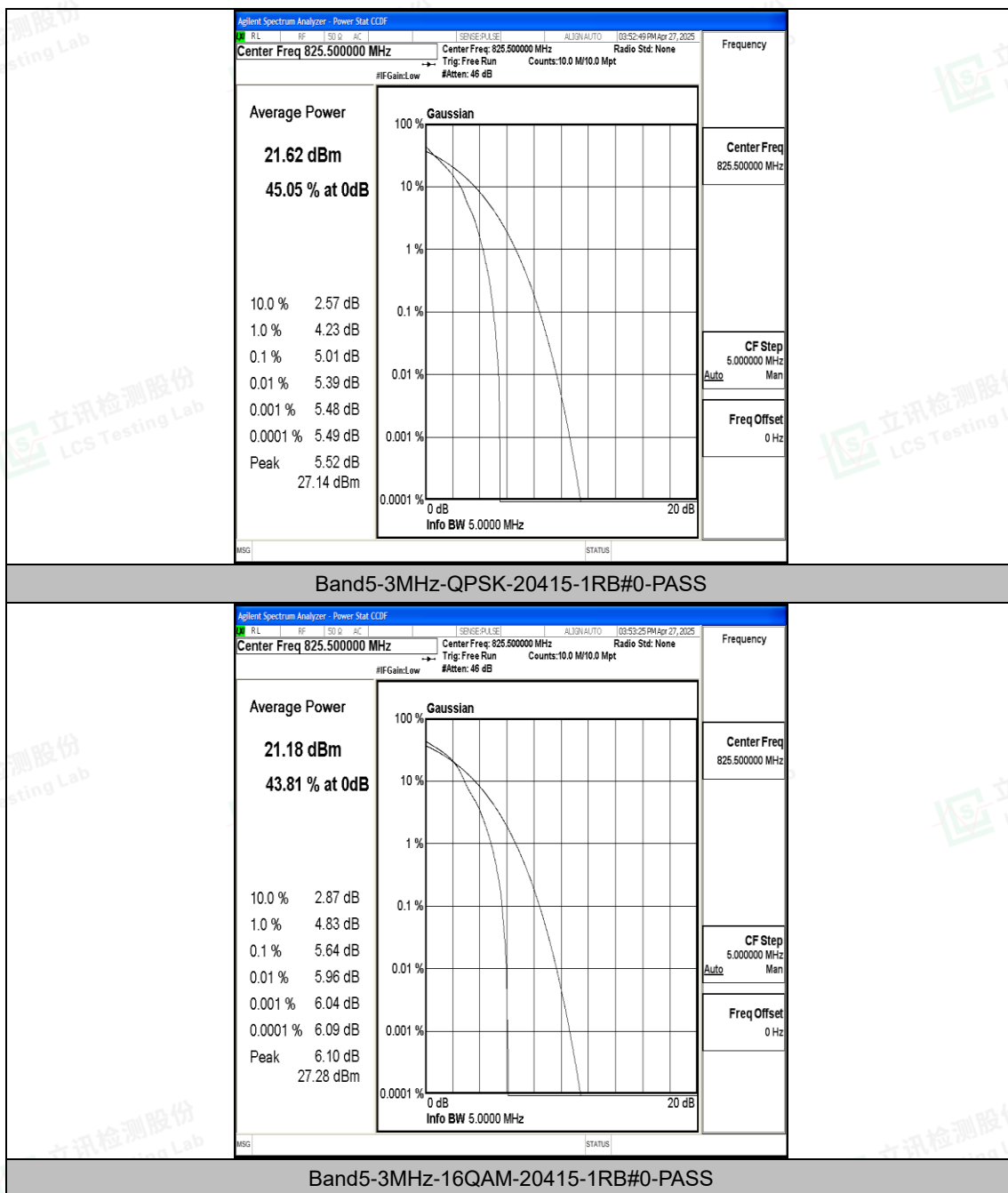


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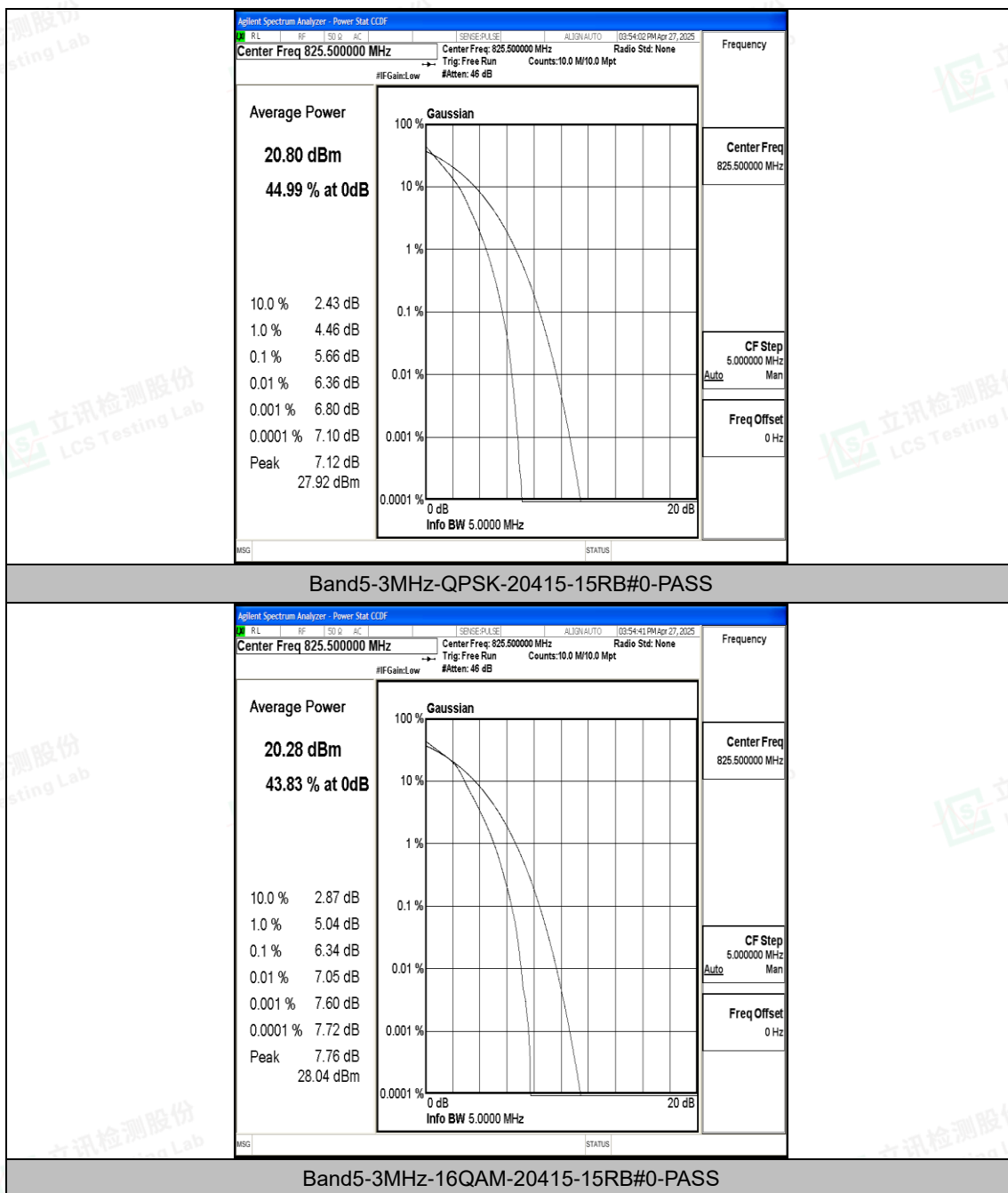


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Scan code to check authenticity

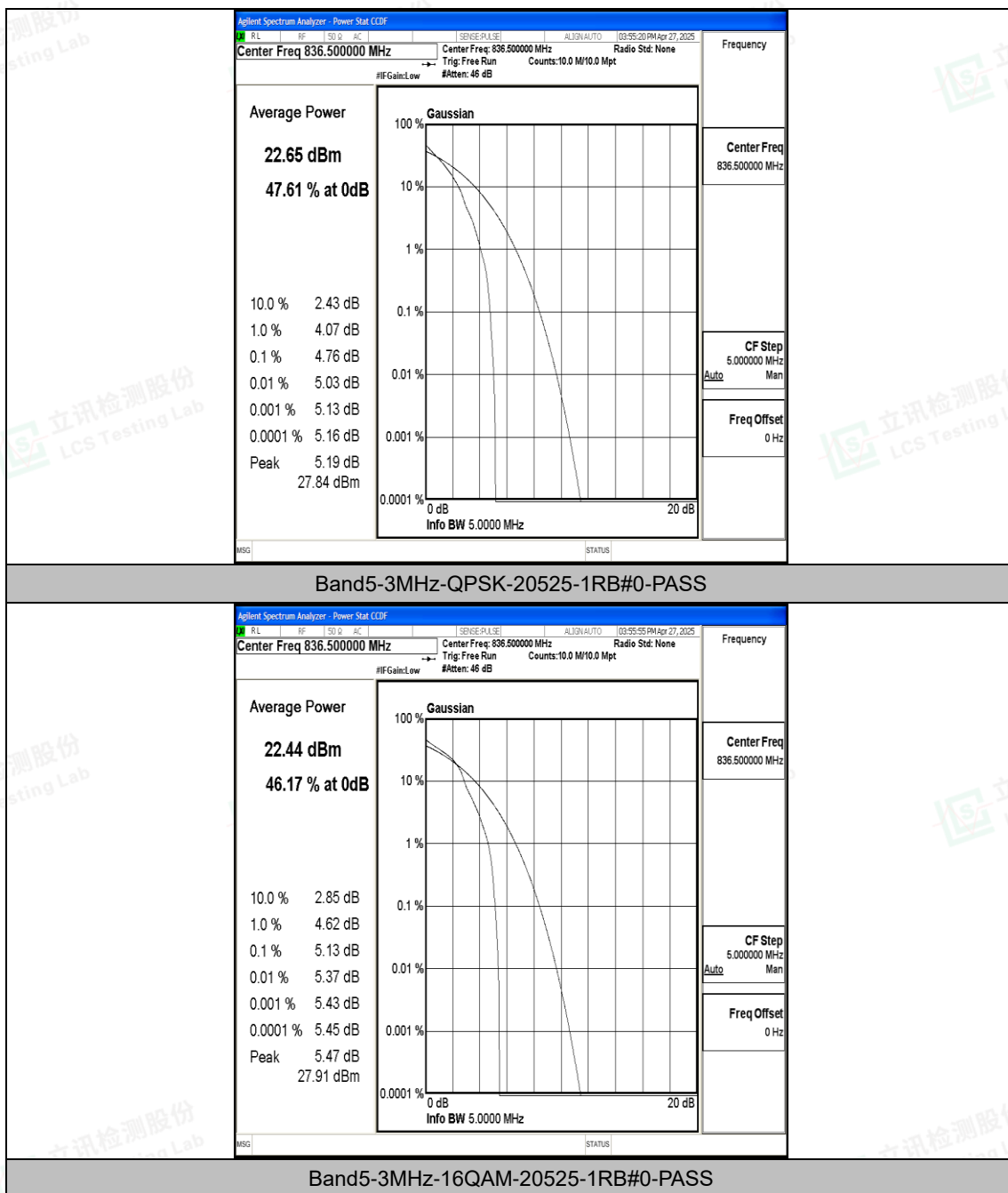


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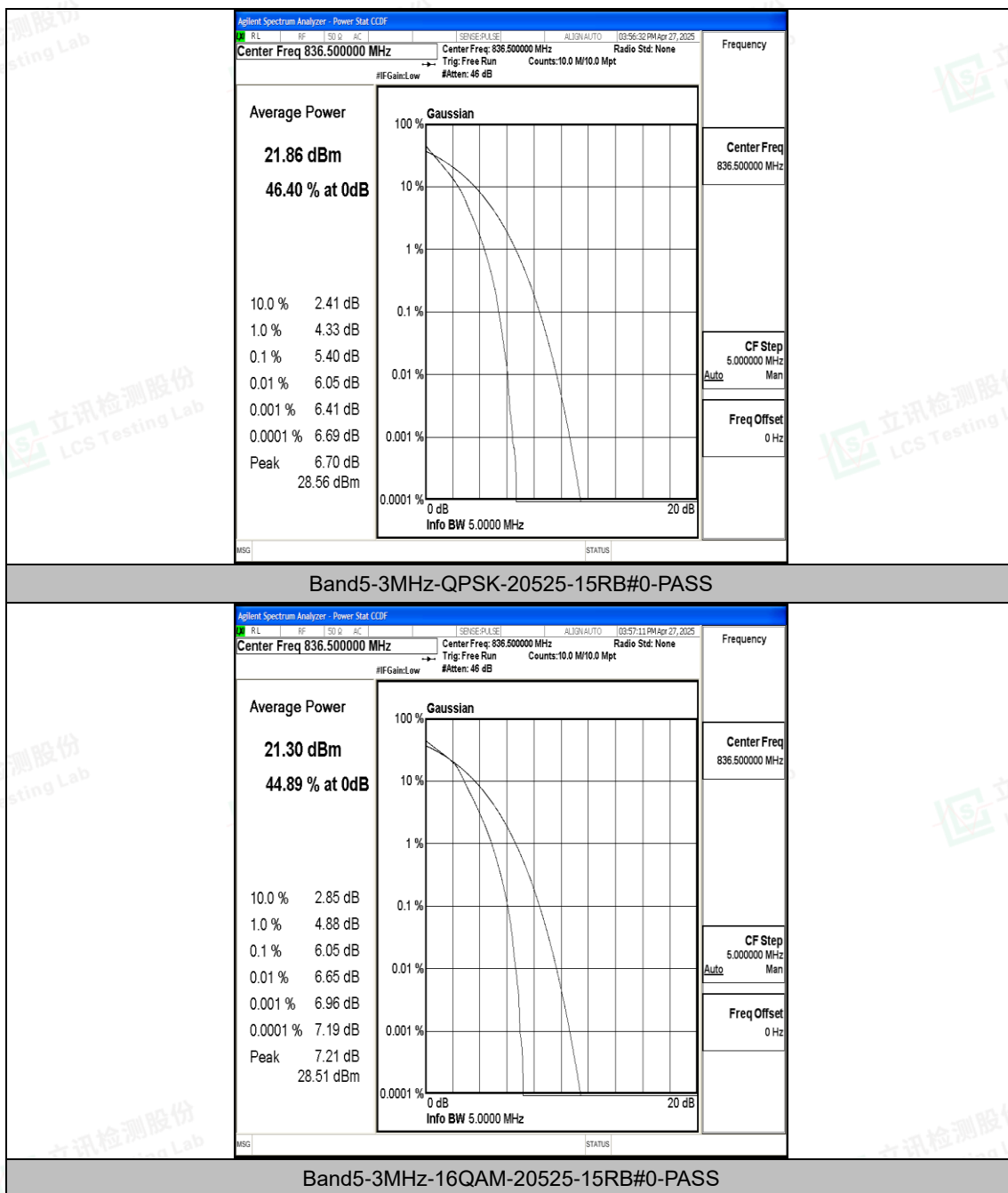


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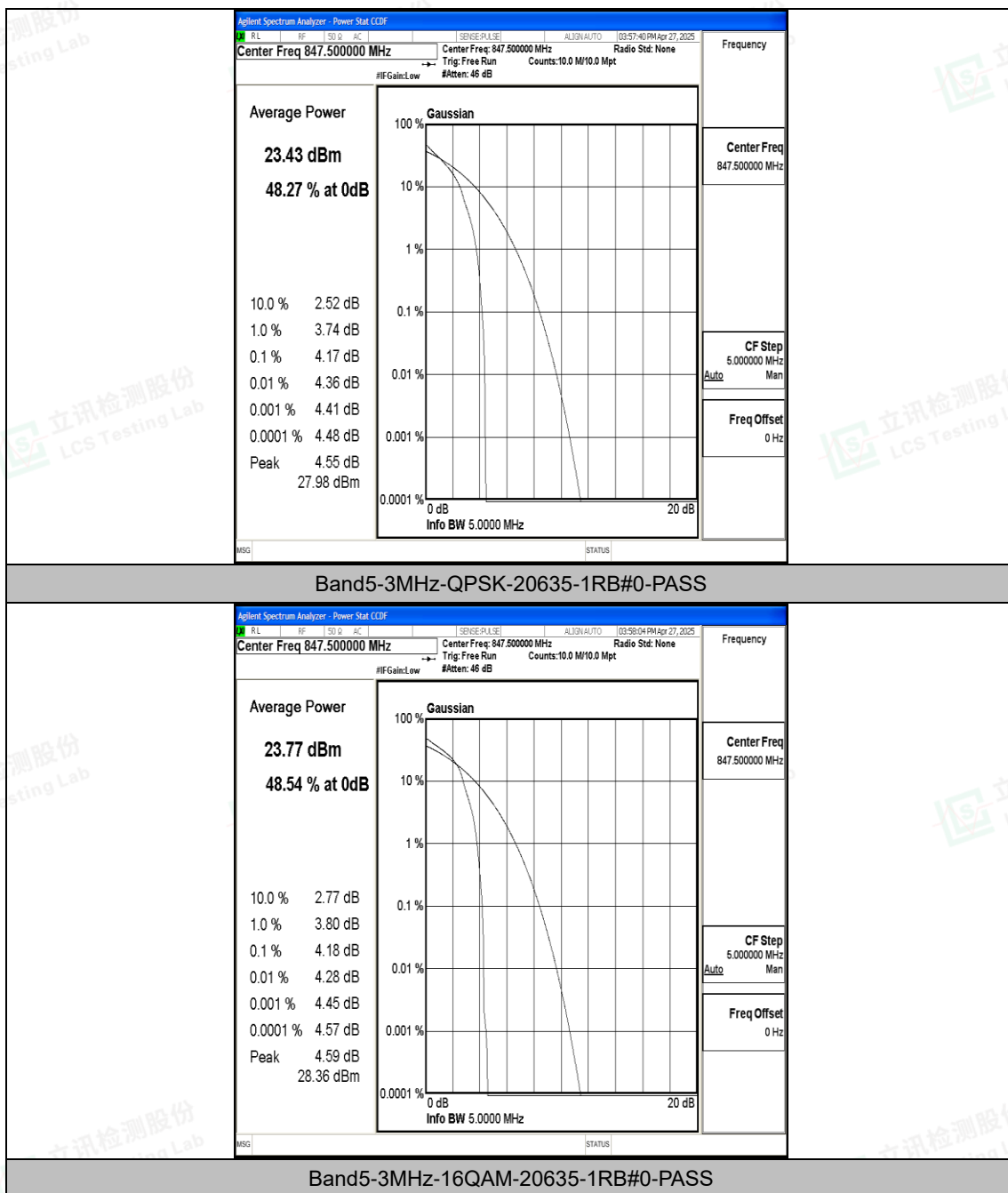


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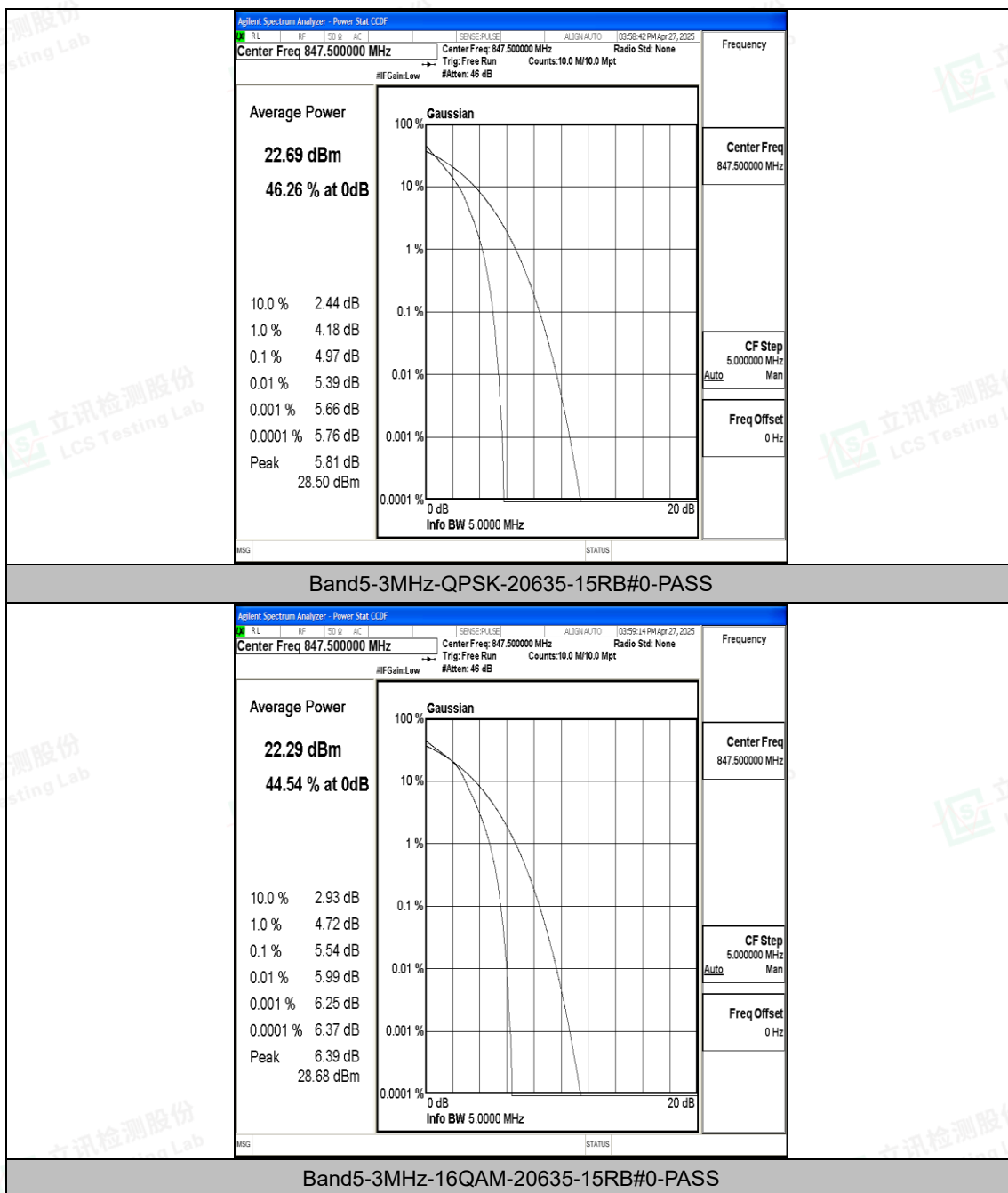


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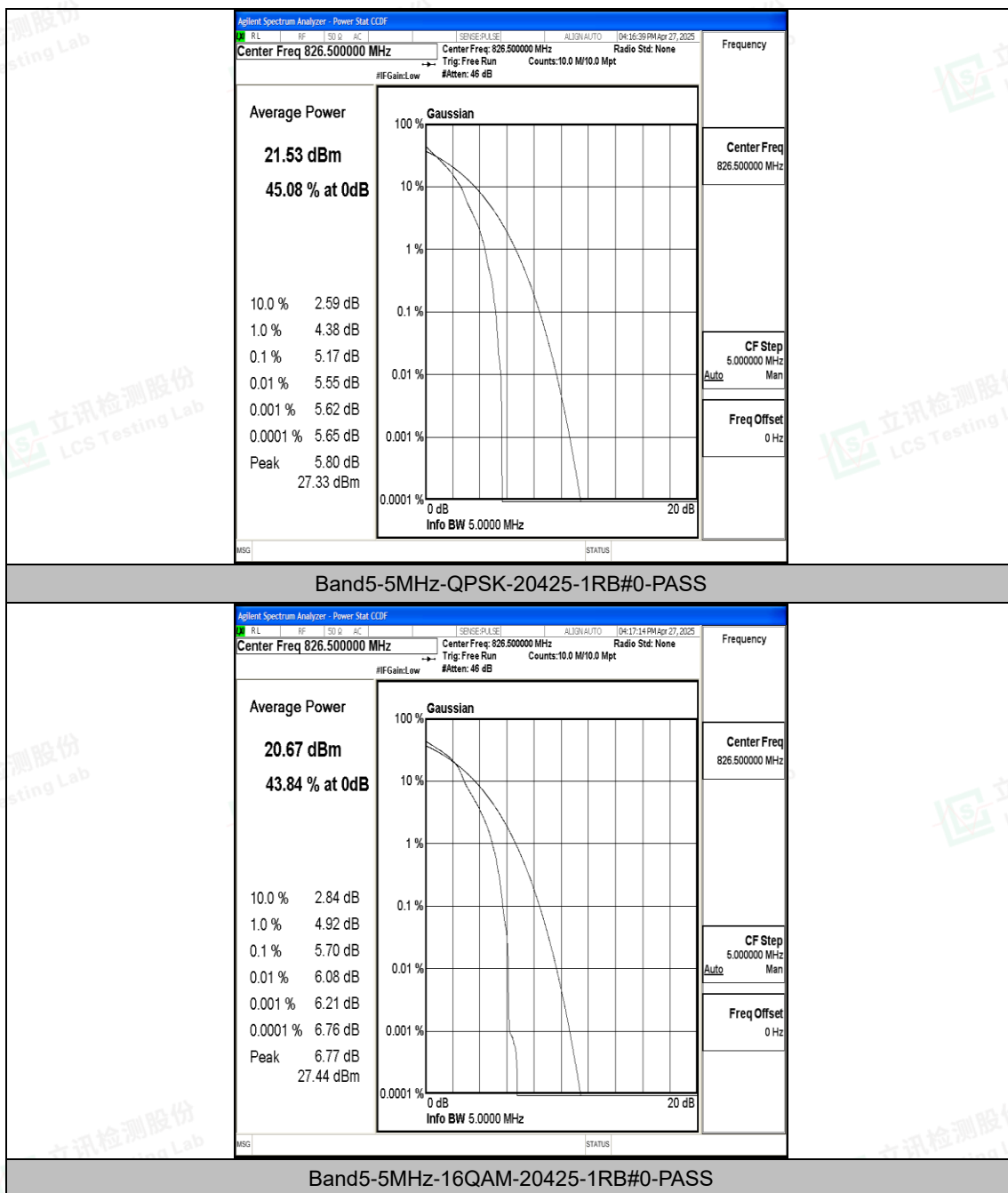


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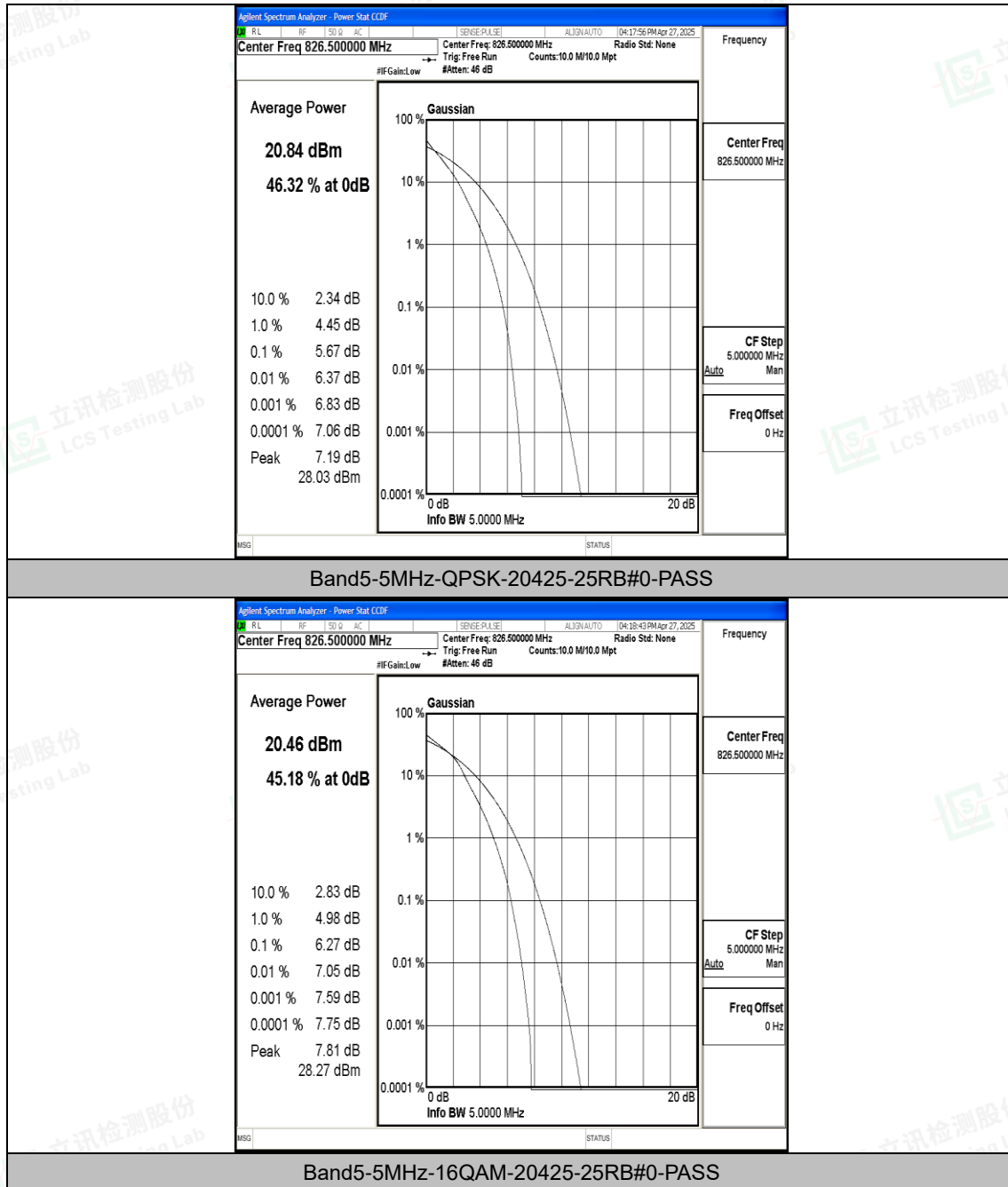


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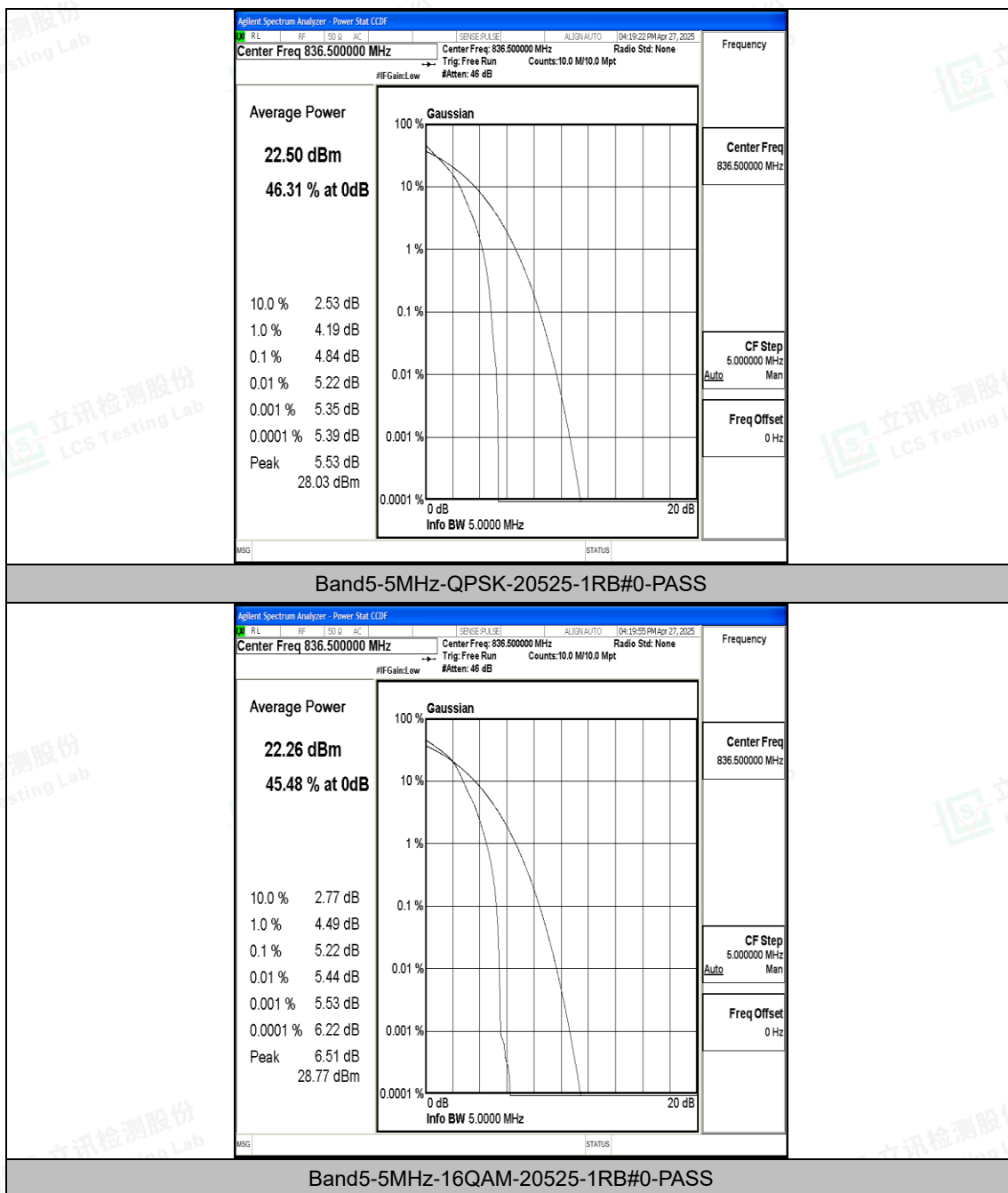


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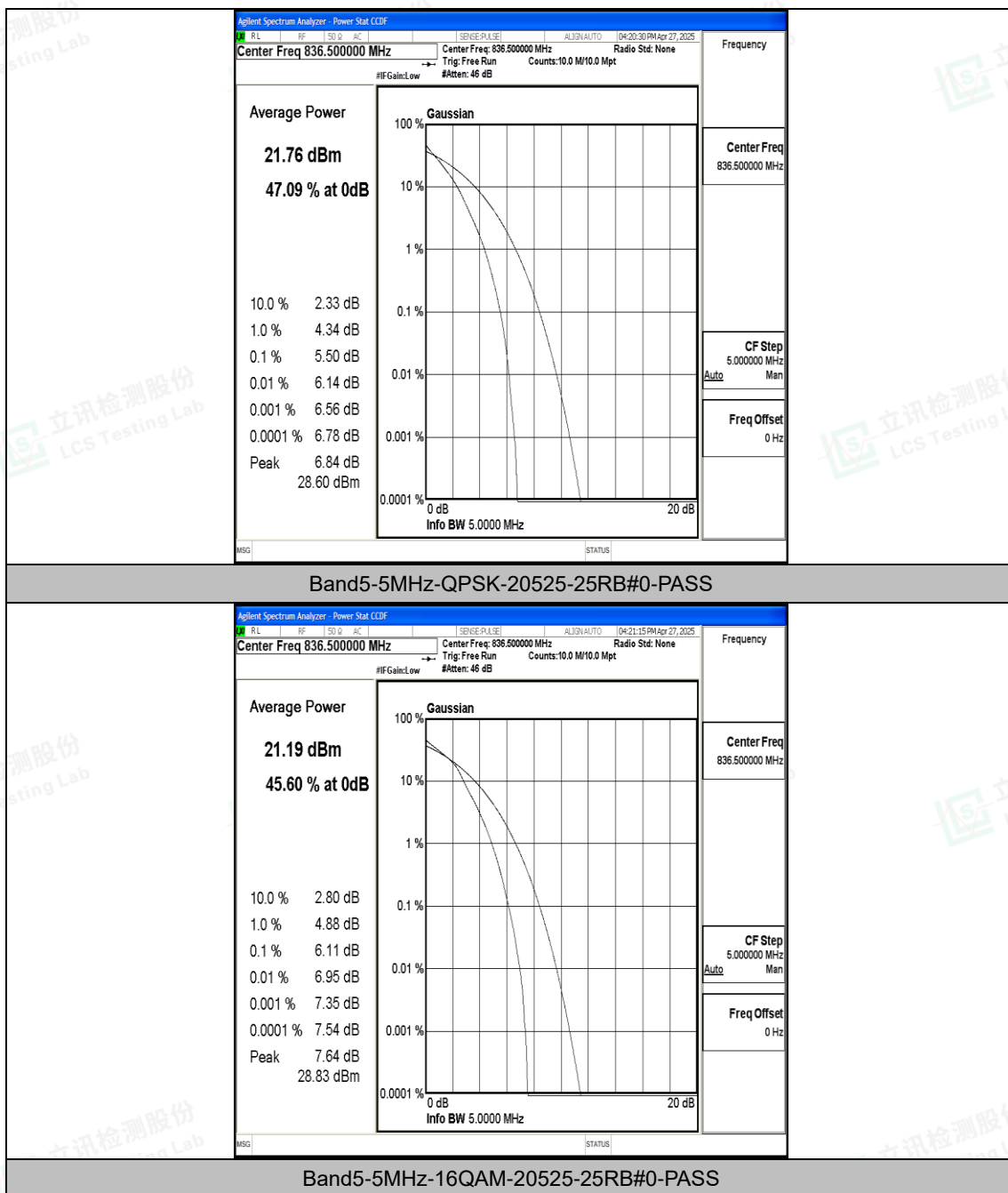


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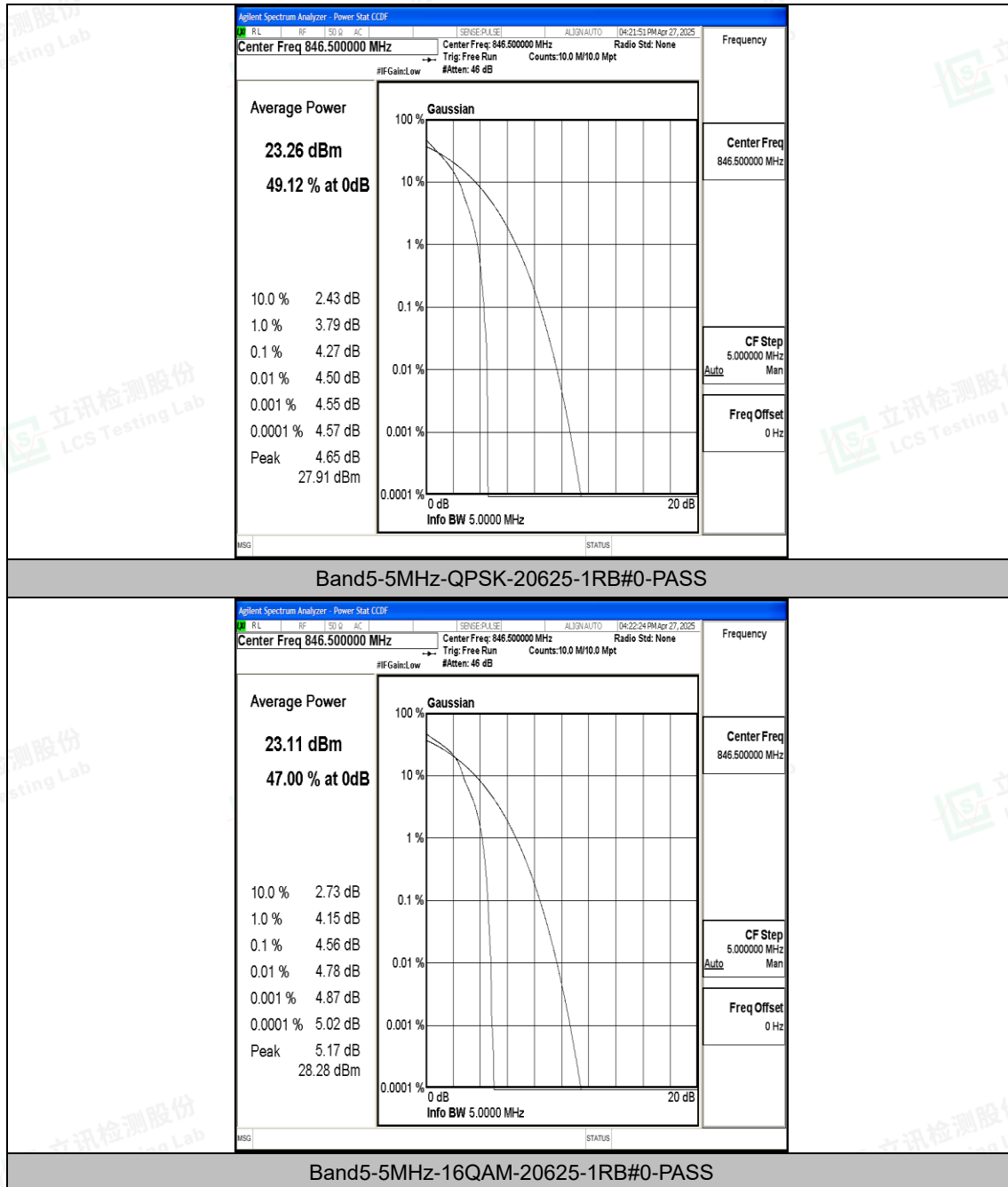


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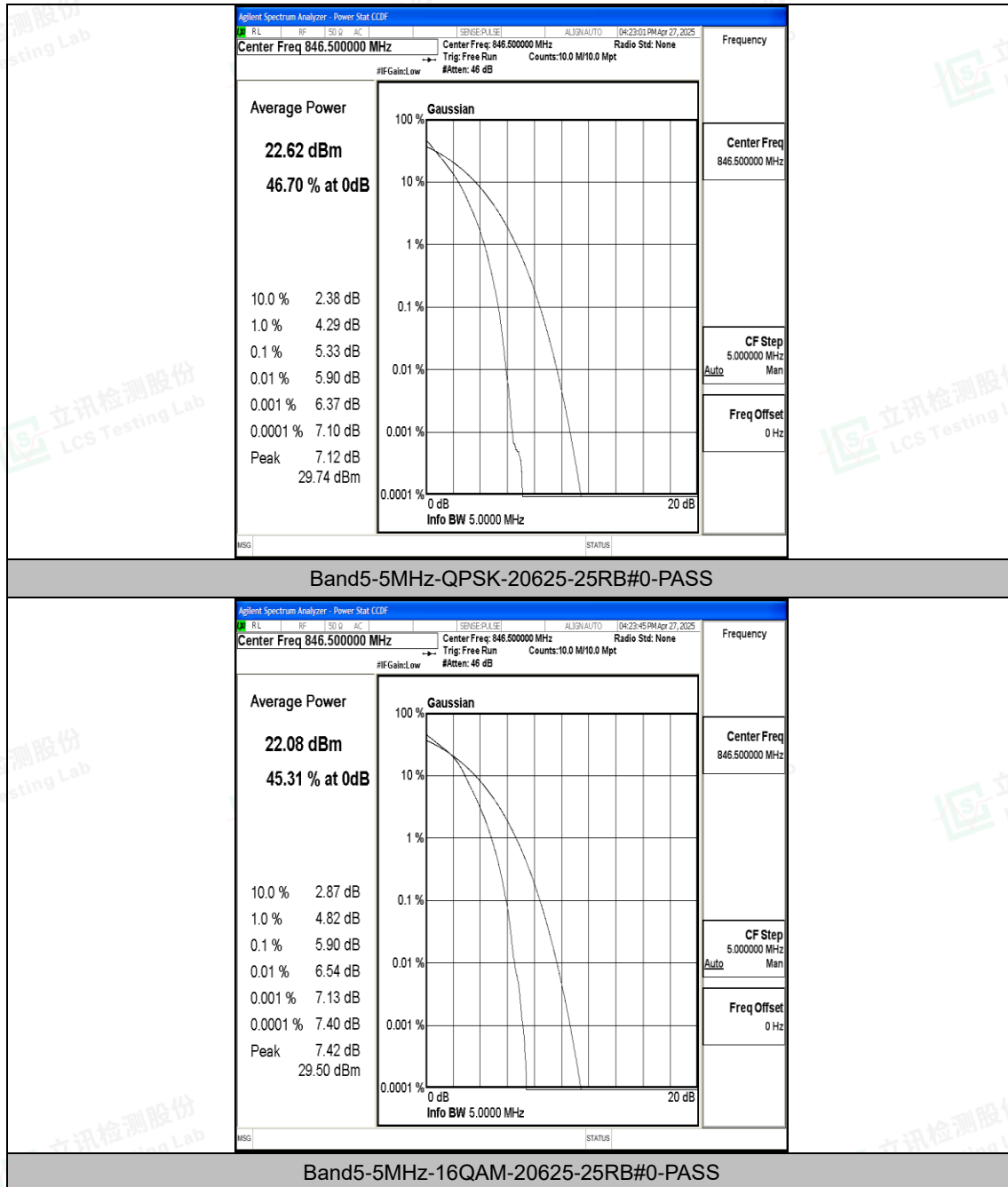


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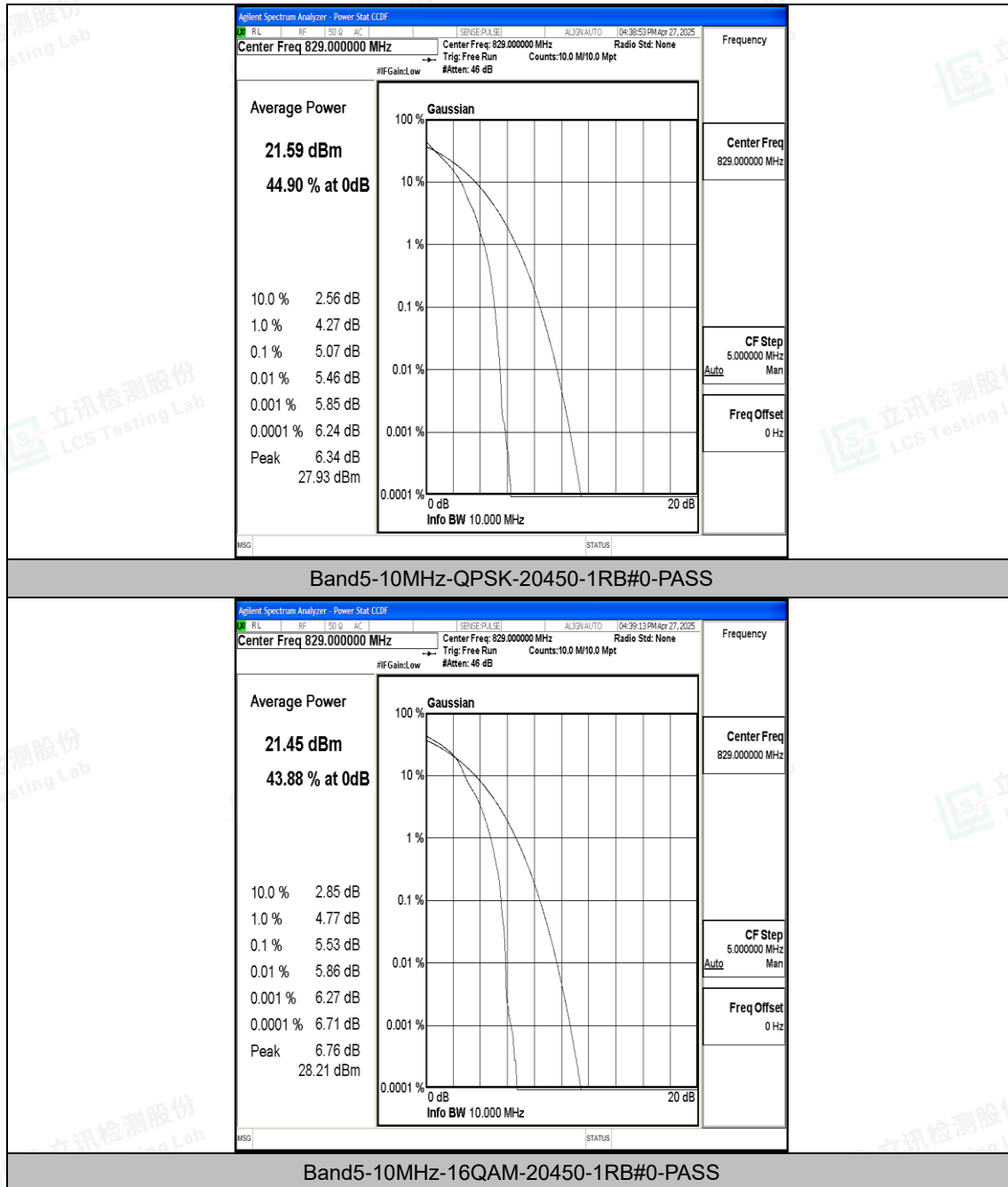


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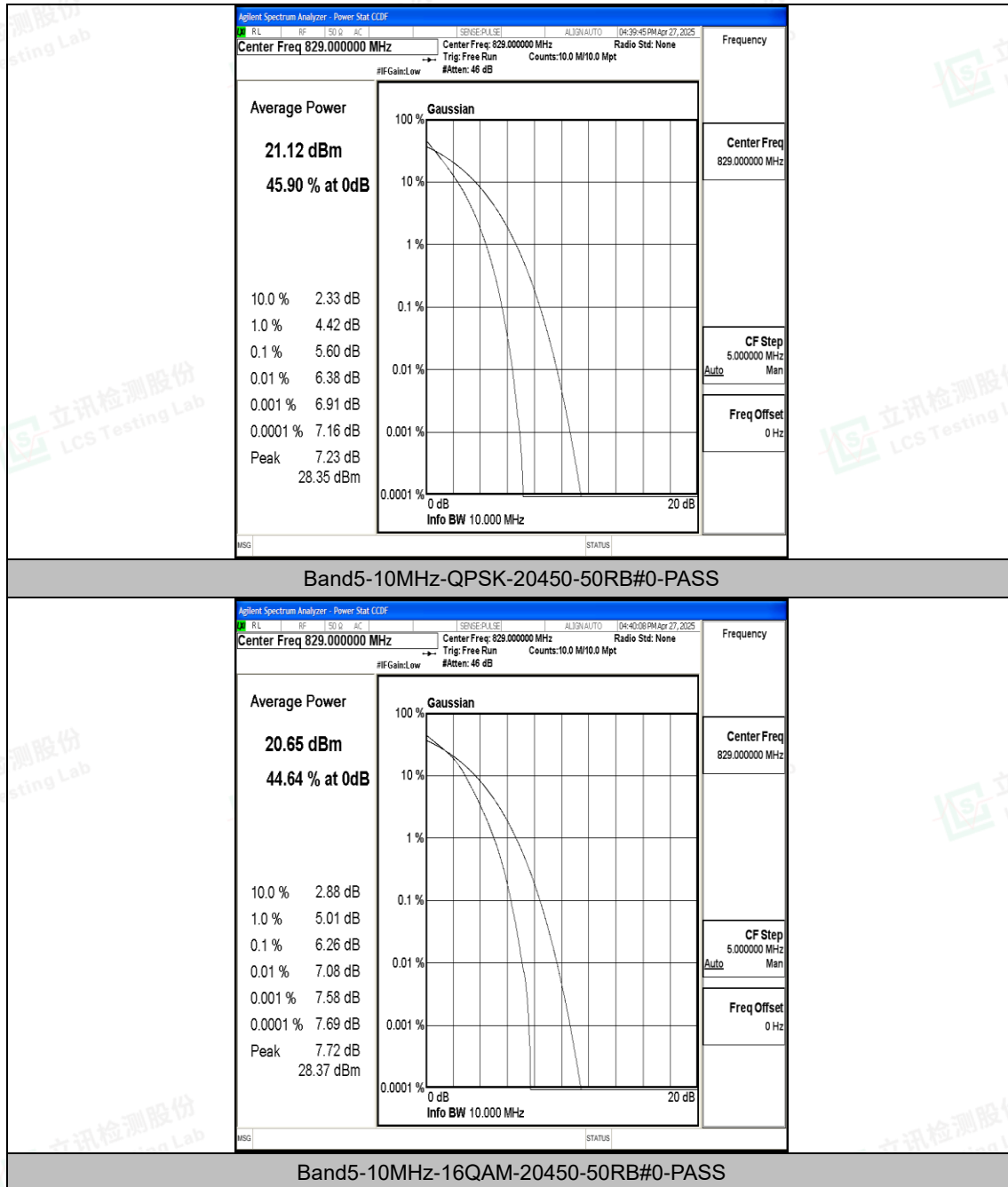


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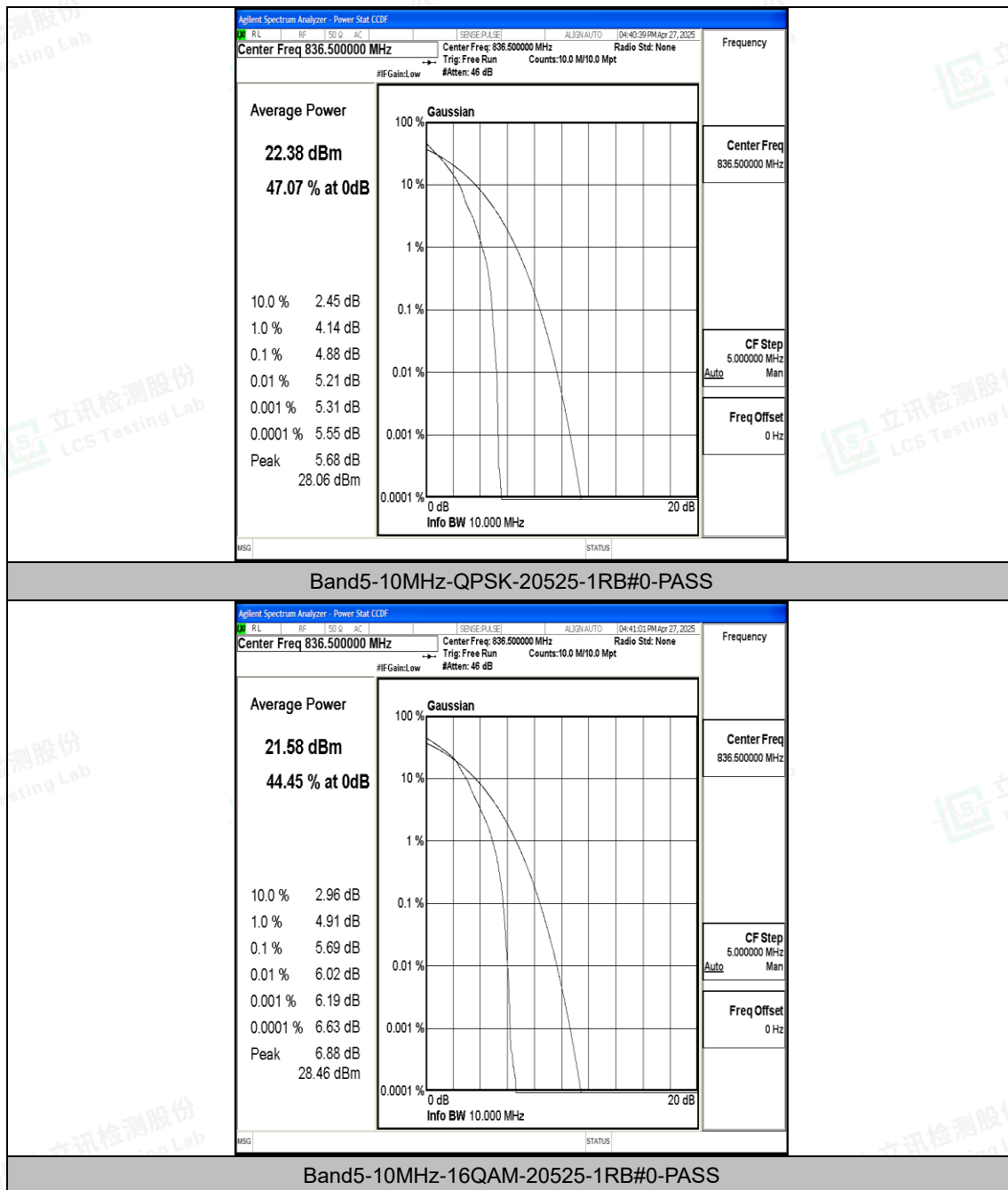


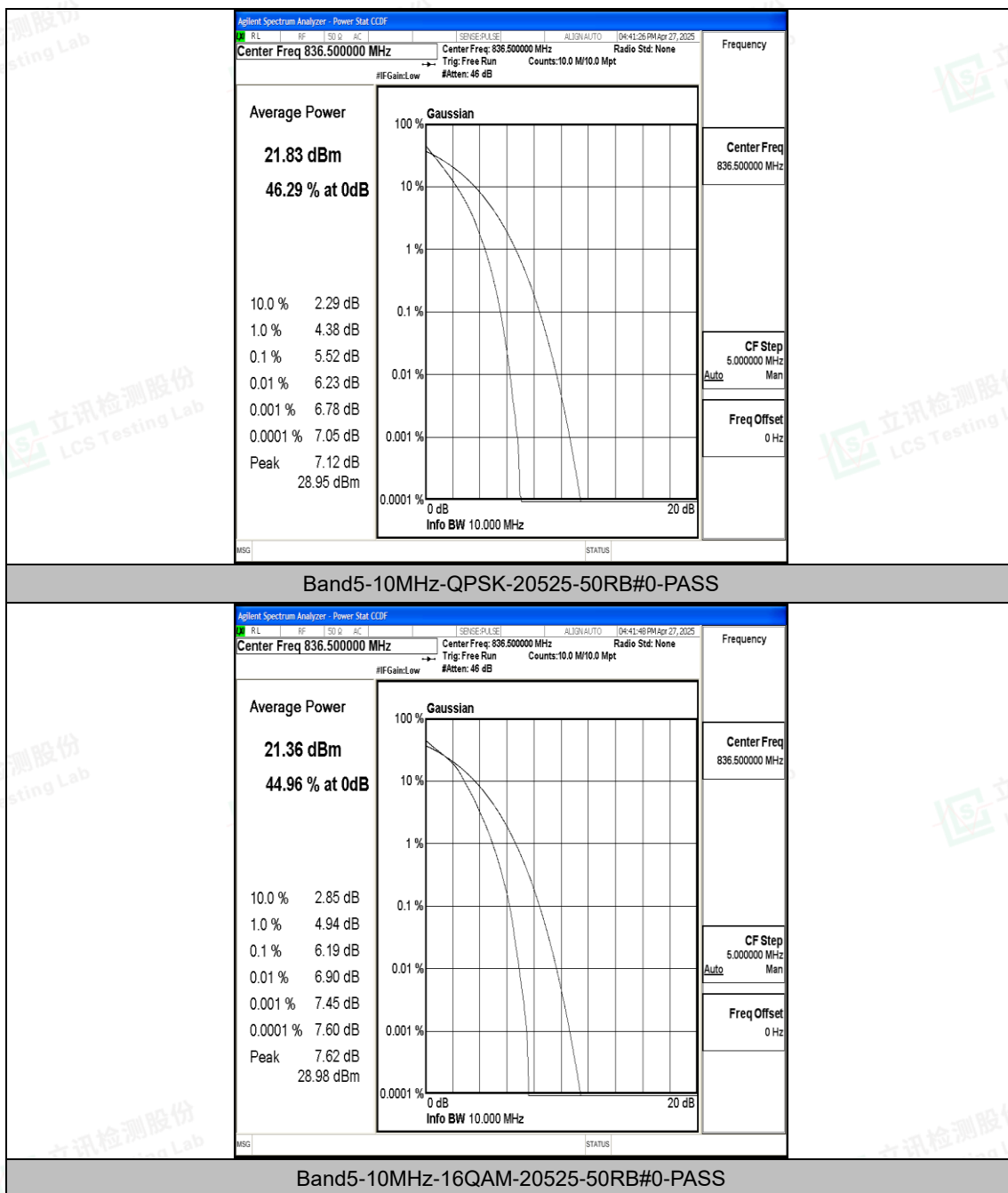
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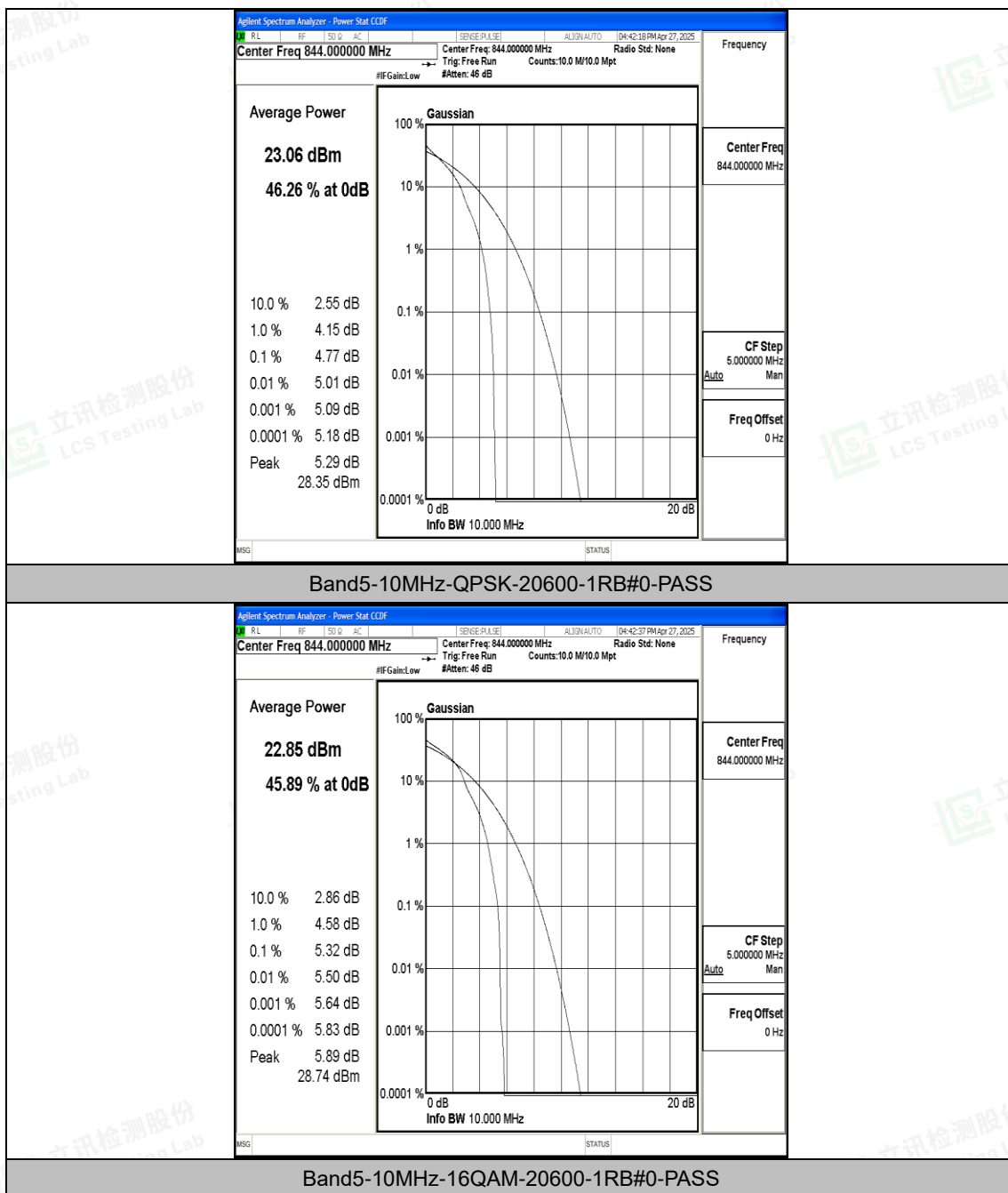


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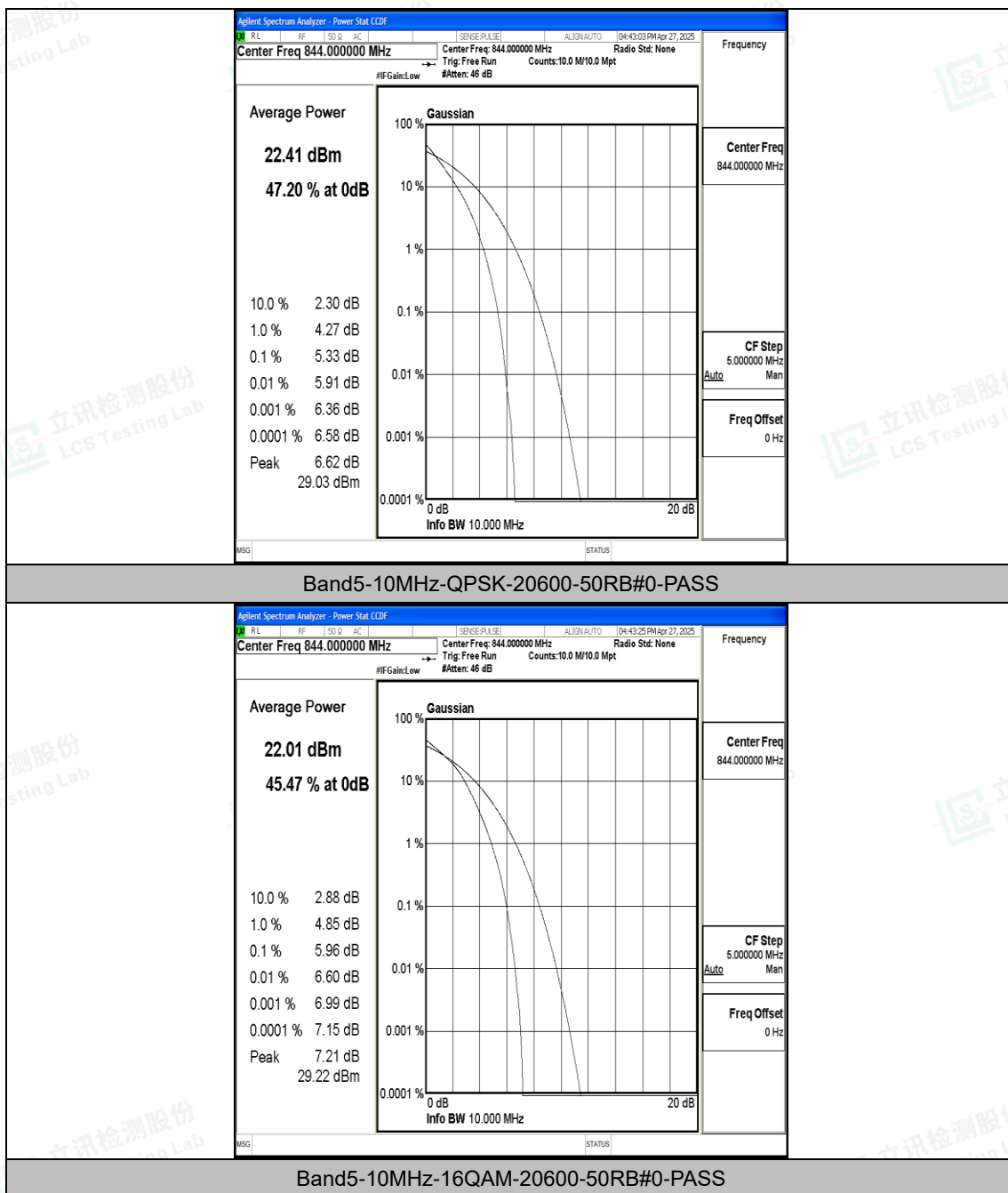


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G.3 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	1.0900	1.306	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.1074	1.285	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.0984	1.330	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.1039	1.306	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.1010	1.282	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.0959	1.354	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.7728	3.437	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.7606	3.219	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.7553	3.522	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.7600	3.559	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.7712	3.311	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.7680	3.417	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.5260	5.182	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.5178	5.274	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.5076	5.371	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.5292	5.373	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.5275	5.258	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.5436	5.303	PASS
Band5	10MHz	QPSK	20450	50RB#0	8.9780	9.895	PASS
Band5	10MHz	16QAM	20450	50RB#0	8.9898	9.899	PASS
Band5	10MHz	QPSK	20525	50RB#0	9.0108	10.09	PASS
Band5	10MHz	16QAM	20525	50RB#0	9.0215	10.52	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.9548	10.02	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.9665	10.09	PASS



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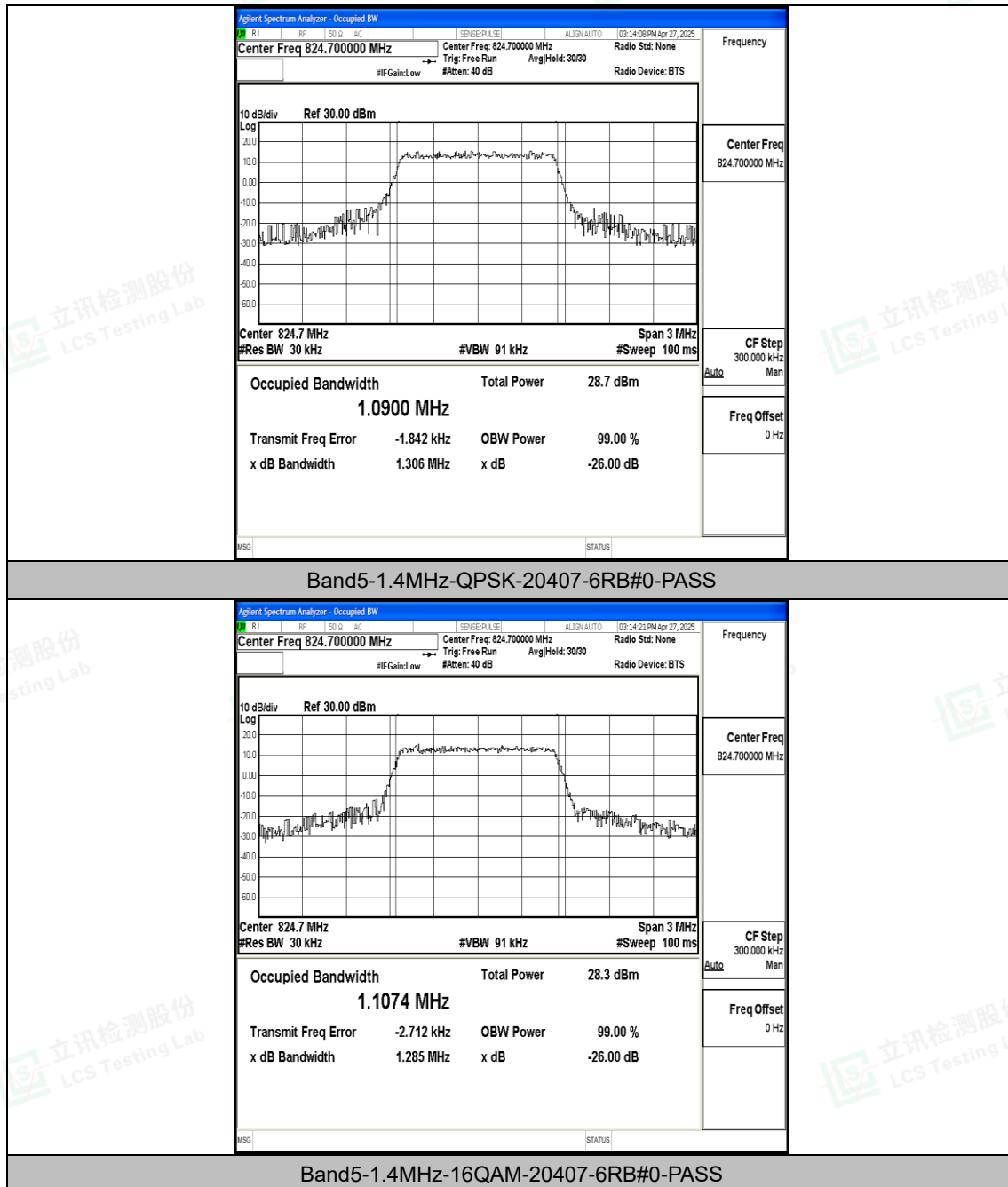
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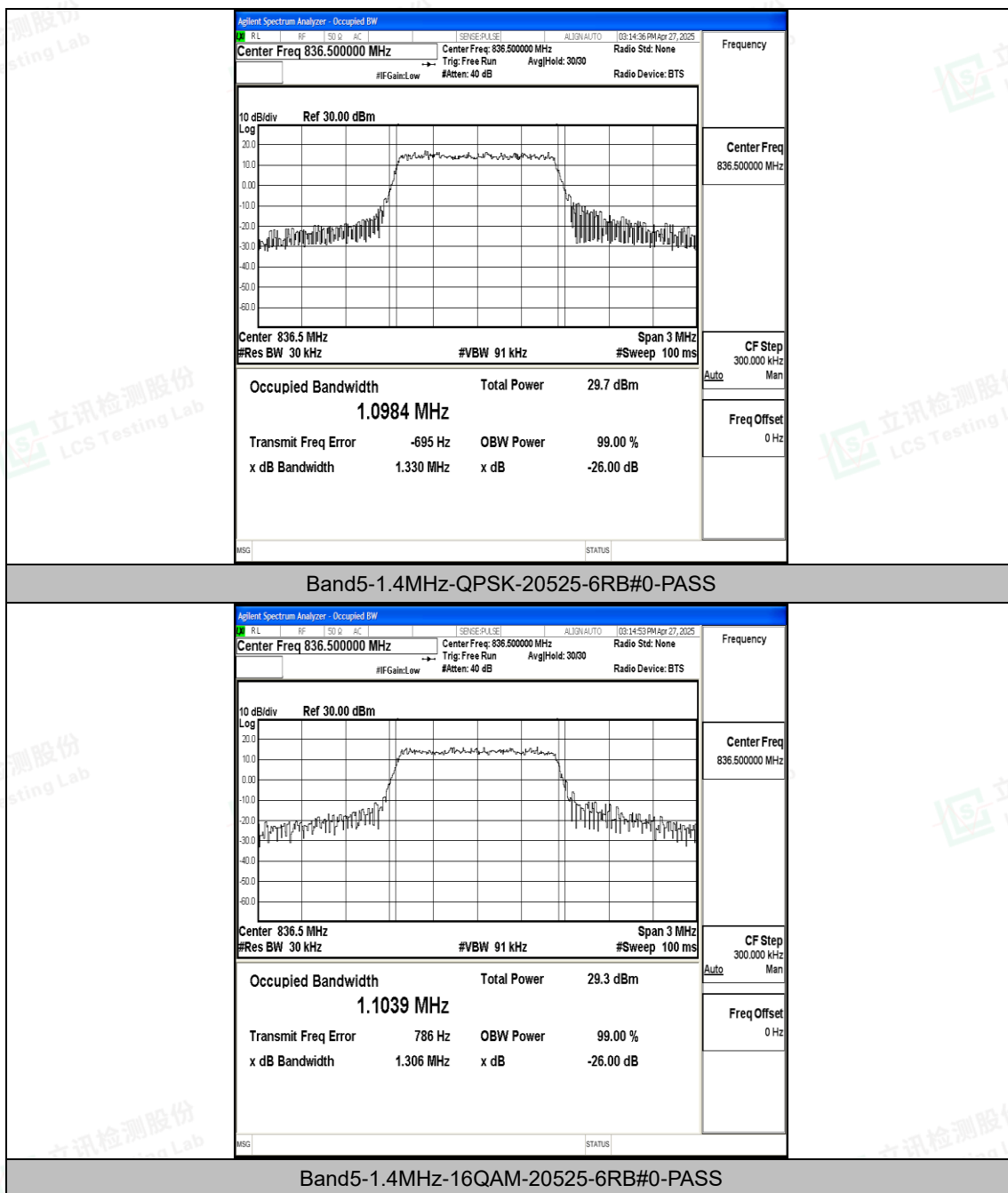
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Test Graphs



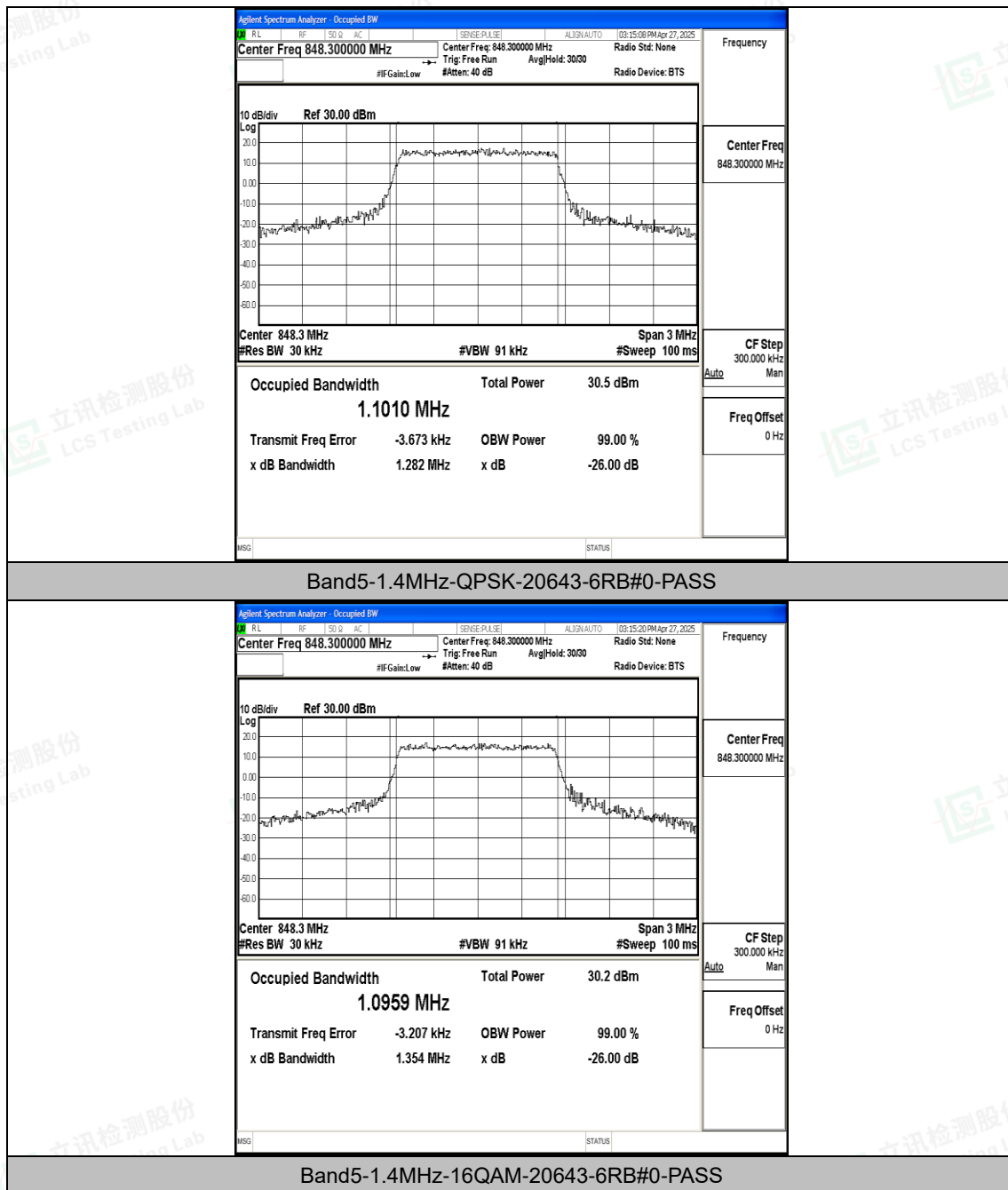


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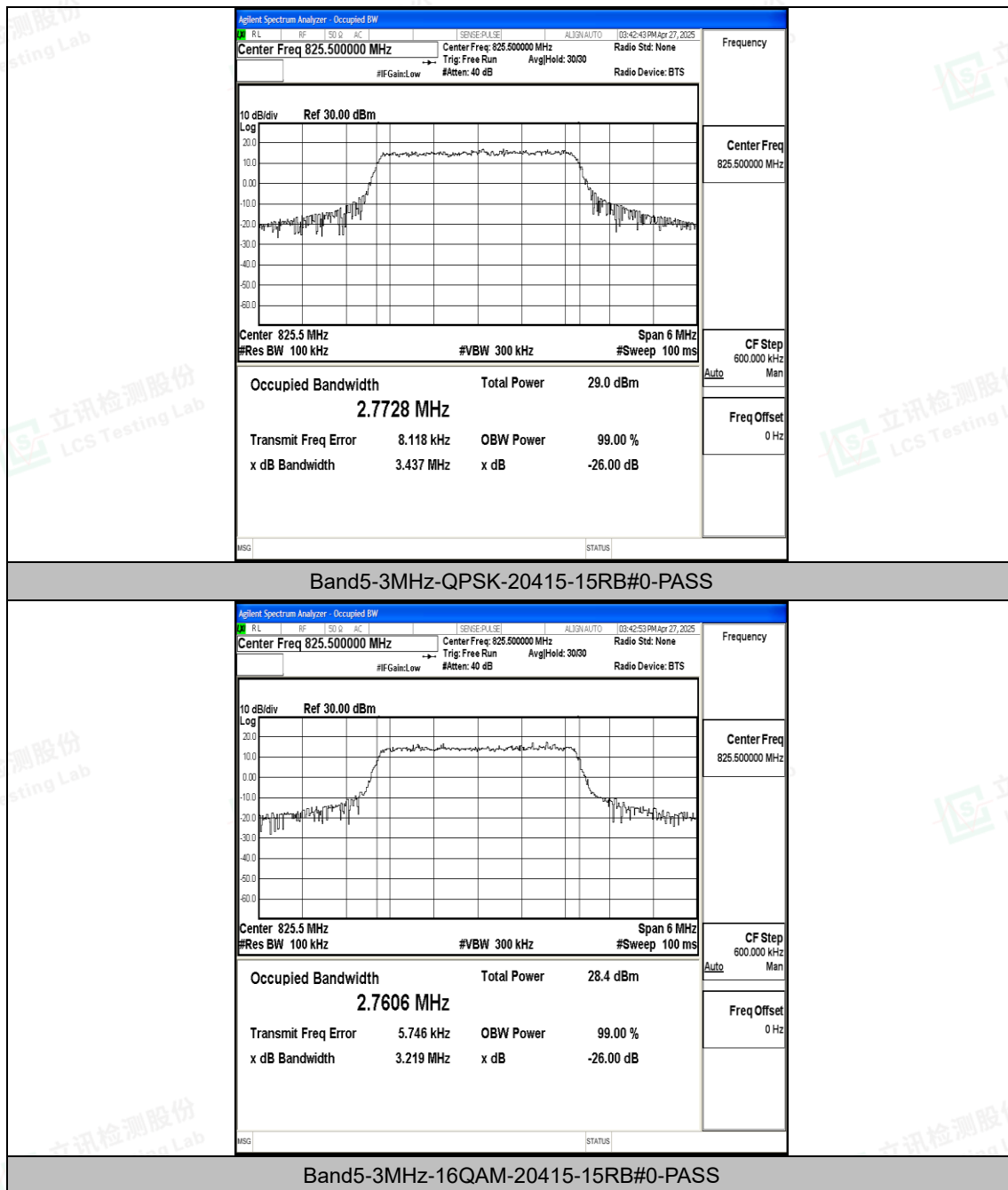


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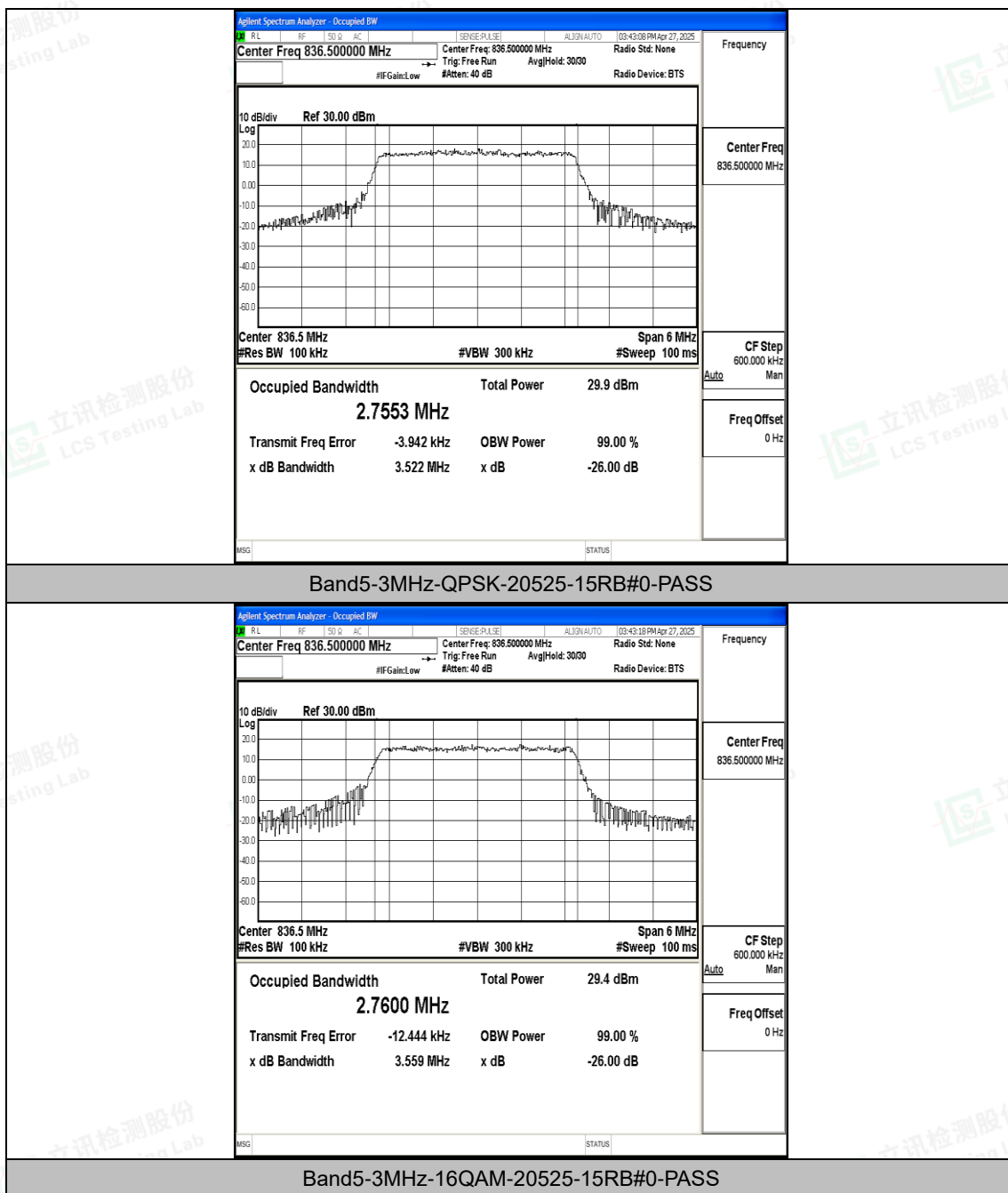


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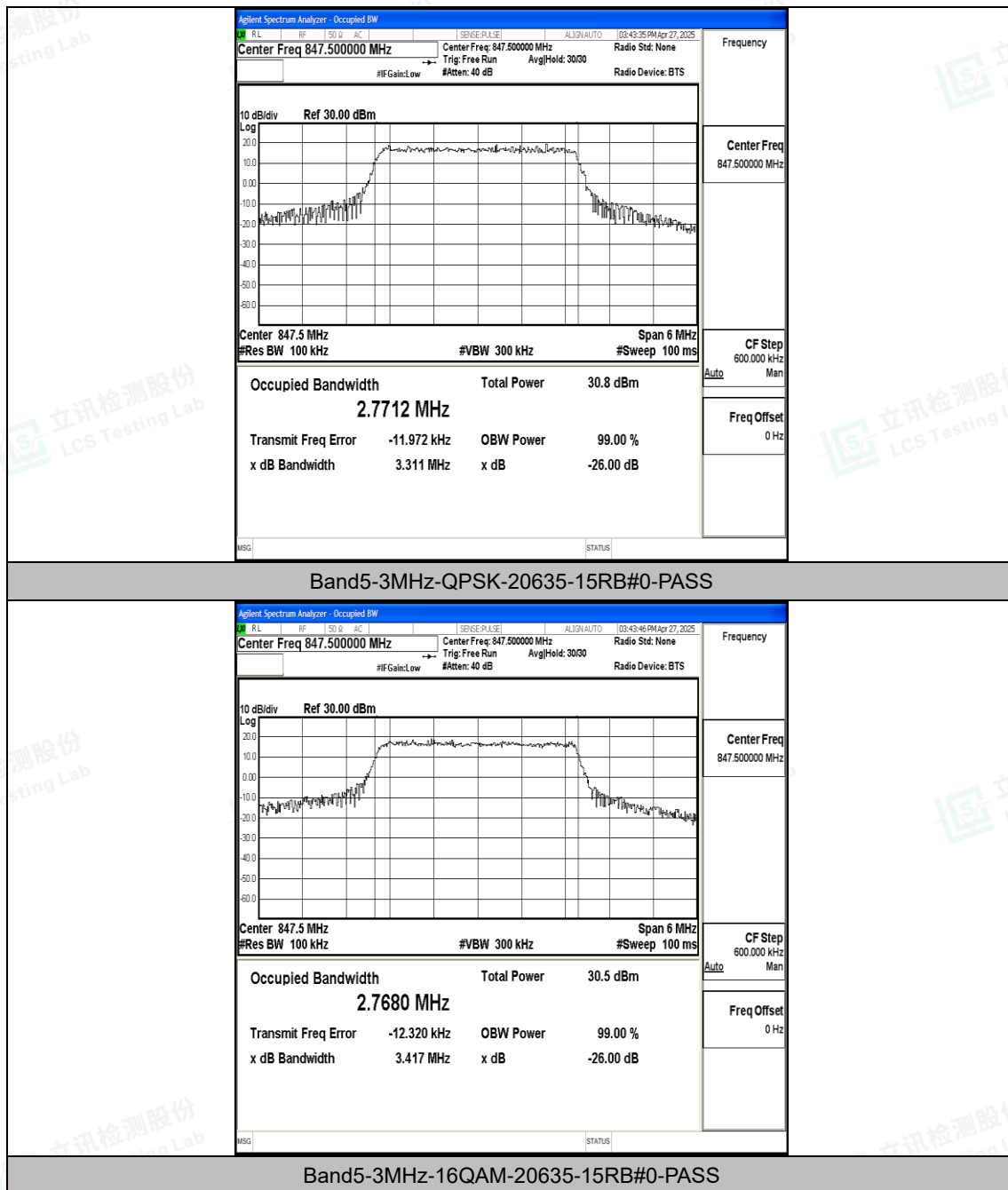


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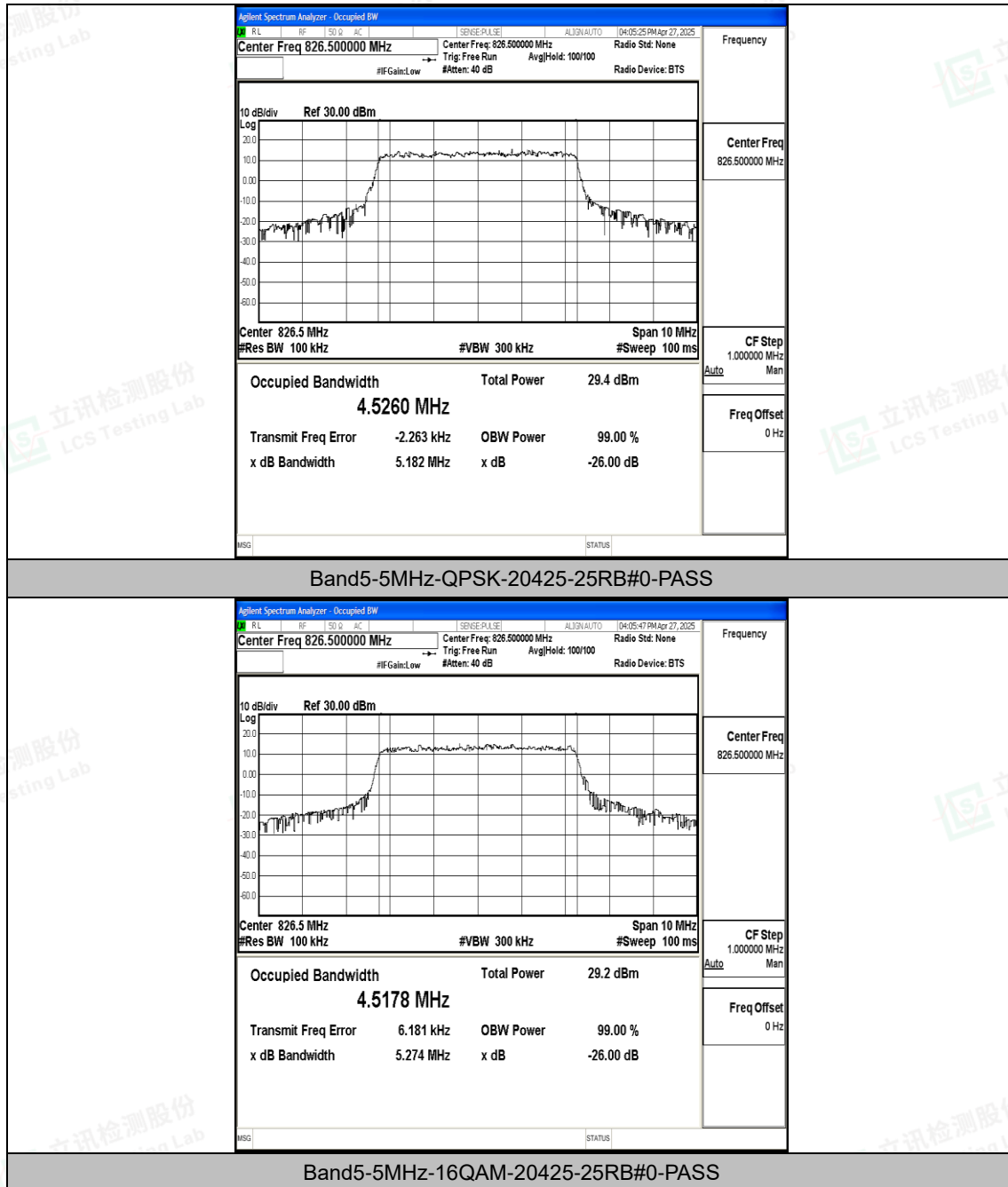


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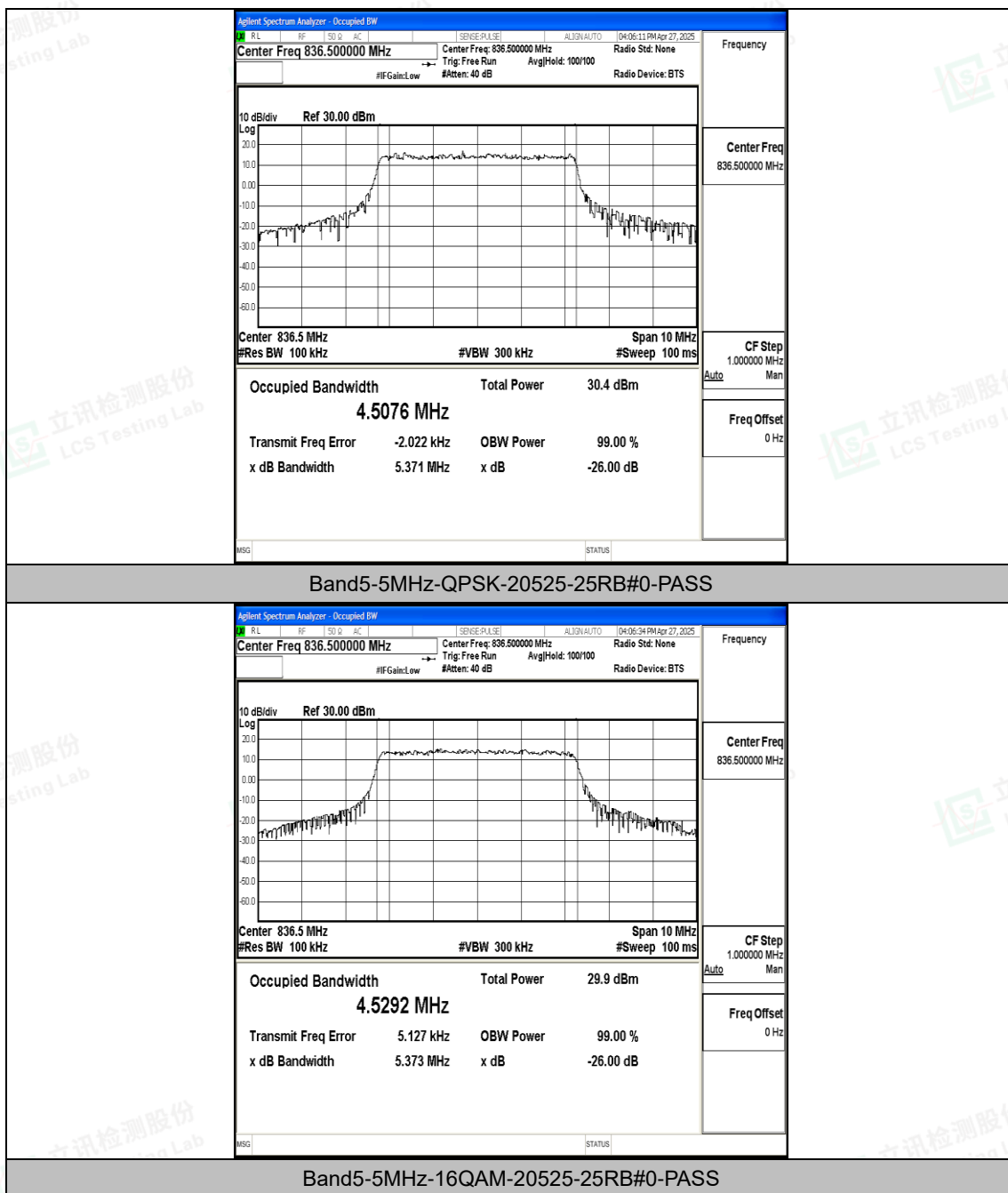


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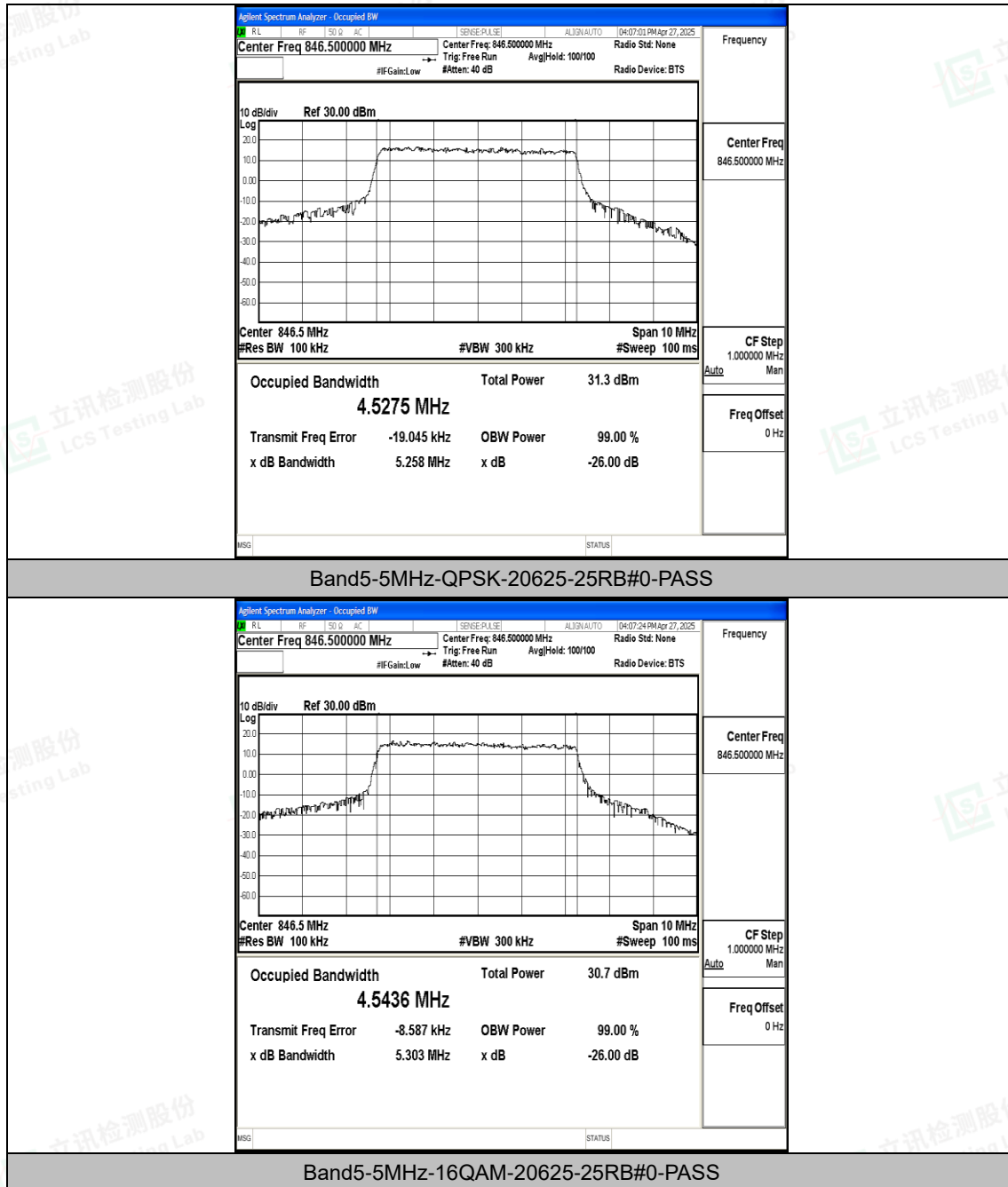


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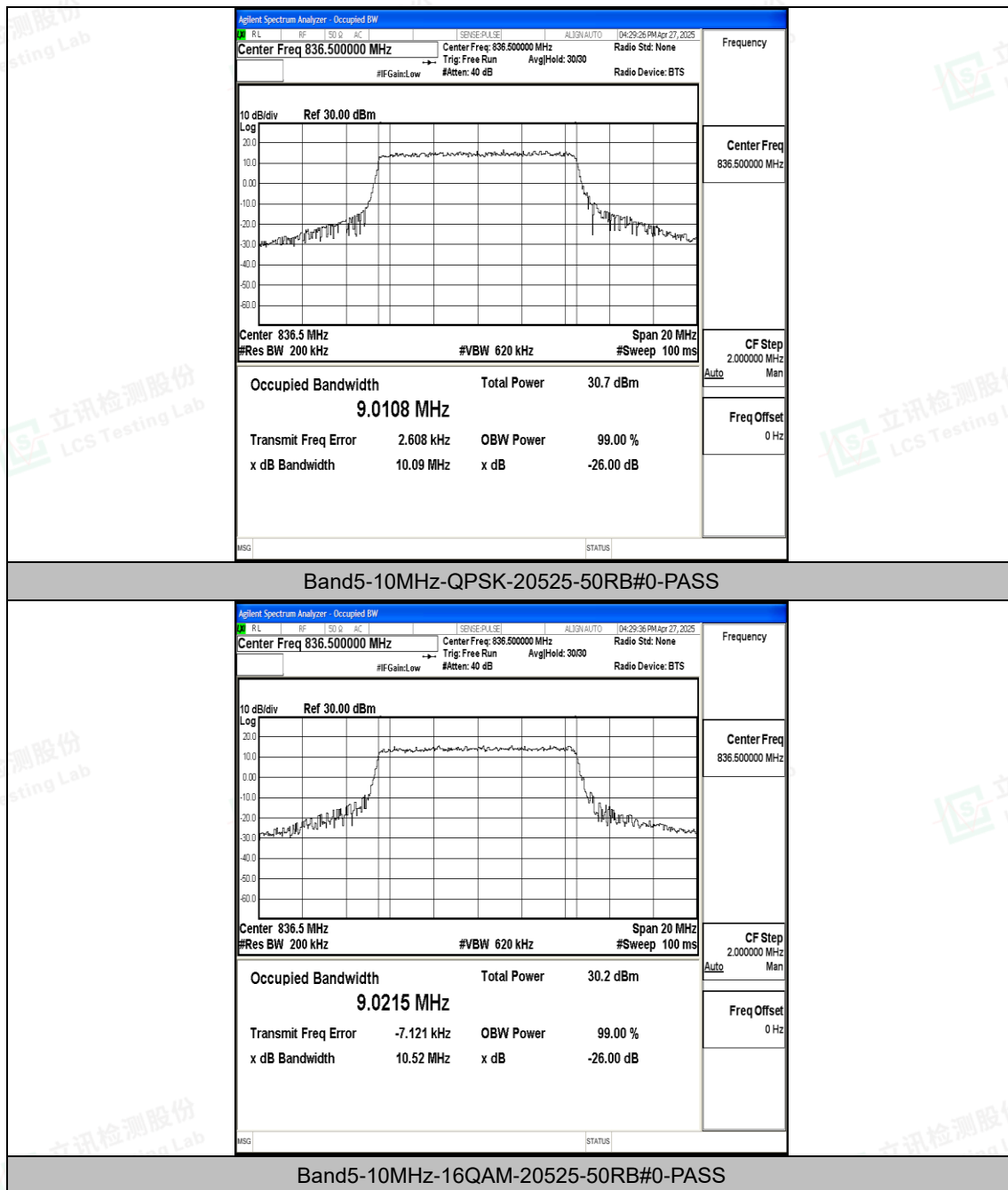


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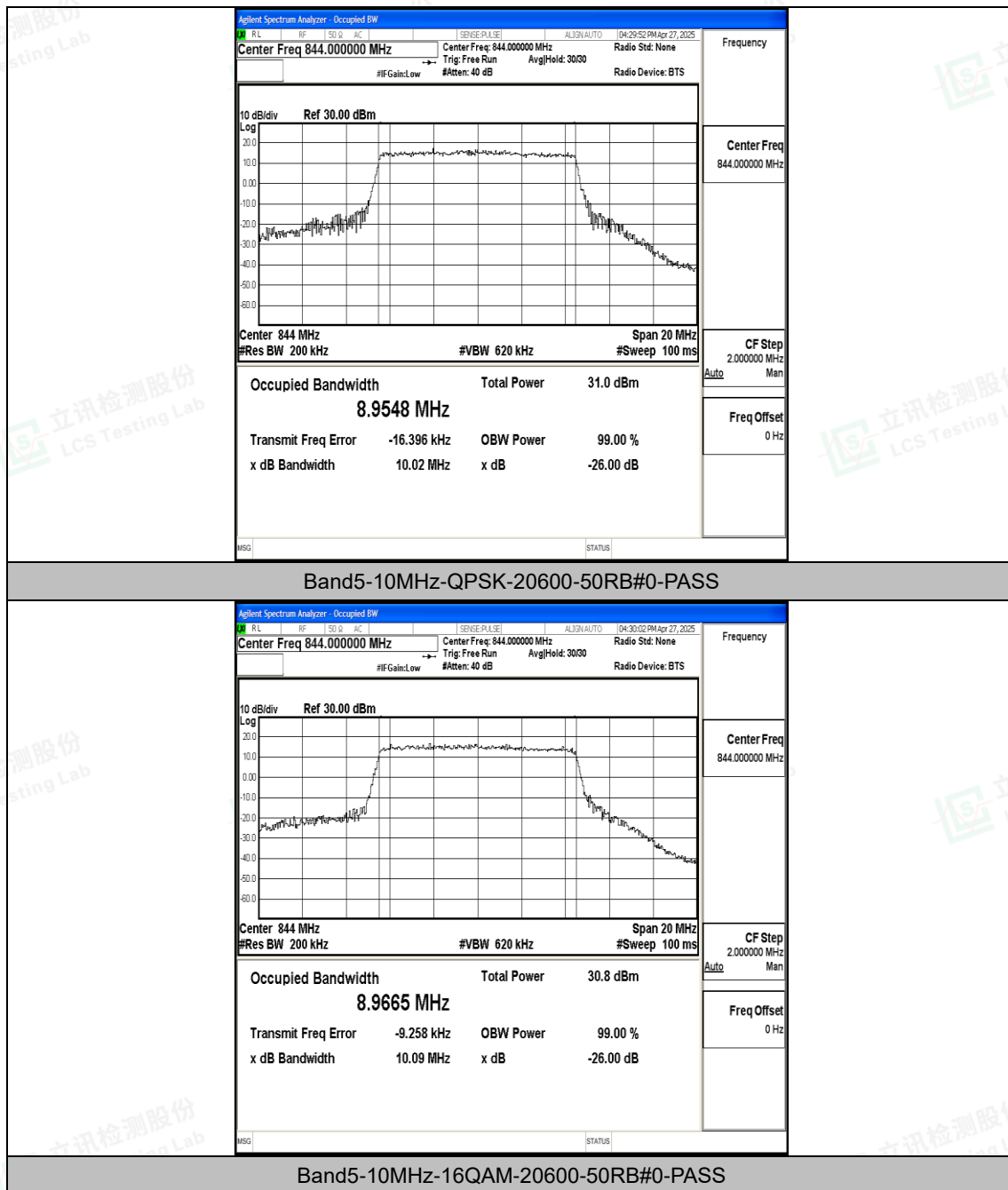


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