



Appendix H: Test Data for E-UTRA Band 5

Product Name: VIU-Desktop

Test Model: VIU-818-NG

Environmental Conditions

Temperature:	24.2°C
Relative Humidity:	53.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Paddi Chen
Supervised by:	Nick Peng





H.1 Conducted Output Power Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	24.11	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	24.01	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	23.97	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	24.01	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	24.05	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	24.07	PASS
Band5	1.4MHz	QPSK	20407	3RB#0	23.88	PASS
Band5	1.4MHz	16QAM	20407	3RB#0	23.89	PASS
Band5	1.4MHz	QPSK	20407	3RB#1	23.89	PASS
Band5	1.4MHz	16QAM	20407	3RB#1	24.15	PASS
Band5	1.4MHz	QPSK	20407	3RB#3	24.15	PASS
Band5	1.4MHz	16QAM	20407	3RB#3	24.00	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	23.95	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	23.90	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	23.94	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	23.58	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	23.77	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	24.13	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	23.79	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	24.01	PASS
Band5	1.4MHz	QPSK	20525	3RB#0	23.86	PASS
Band5	1.4MHz	16QAM	20525	3RB#0	23.14	PASS
Band5	1.4MHz	QPSK	20525	3RB#1	23.88	PASS
Band5	1.4MHz	16QAM	20525	3RB#1	23.40	PASS
Band5	1.4MHz	QPSK	20525	3RB#3	23.95	PASS
Band5	1.4MHz	16QAM	20525	3RB#3	23.32	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	23.12	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	22.79	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	23.48	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	23.52	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	23.20	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	23.11	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	22.42	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	22.38	PASS
Band5	1.4MHz	QPSK	20643	3RB#0	23.46	PASS





Band5	1.4MHz	16QAM	20643	3RB#0	22.85	PASS
Band5	1.4MHz	QPSK	20643	3RB#1	23.47	PASS
Band5	1.4MHz	16QAM	20643	3RB#1	22.85	PASS
Band5	1.4MHz	QPSK	20643	3RB#3	22.75	PASS
Band5	1.4MHz	16QAM	20643	3RB#3	22.54	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	22.79	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	22.31	PASS
Band5	3MHz	QPSK	20415	1RB#0	23.68	PASS
Band5	3MHz	16QAM	20415	1RB#0	22.99	PASS
Band5	3MHz	QPSK	20415	1RB#8	23.70	PASS
Band5	3MHz	16QAM	20415	1RB#8	22.91	PASS
Band5	3MHz	QPSK	20415	1RB#14	23.47	PASS
Band5	3MHz	16QAM	20415	1RB#14	23.00	PASS
Band5	3MHz	QPSK	20415	8RB#0	22.83	PASS
Band5	3MHz	16QAM	20415	8RB#0	22.45	PASS
Band5	3MHz	QPSK	20415	8RB#4	22.84	PASS
Band5	3MHz	16QAM	20415	8RB#4	22.29	PASS
Band5	3MHz	QPSK	20415	8RB#7	22.97	PASS
Band5	3MHz	16QAM	20415	8RB#7	22.47	PASS
Band5	3MHz	QPSK	20415	15RB#0	22.66	PASS
Band5	3MHz	16QAM	20415	15RB#0	22.20	PASS
Band5	3MHz	QPSK	20525	1RB#0	23.53	PASS
Band5	3MHz	16QAM	20525	1RB#0	22.40	PASS
Band5	3MHz	QPSK	20525	1RB#8	23.61	PASS
Band5	3MHz	16QAM	20525	1RB#8	22.47	PASS
Band5	3MHz	QPSK	20525	1RB#14	23.64	PASS
Band5	3MHz	16QAM	20525	1RB#14	22.56	PASS
Band5	3MHz	QPSK	20525	8RB#0	22.84	PASS
Band5	3MHz	16QAM	20525	8RB#0	22.71	PASS
Band5	3MHz	QPSK	20525	8RB#4	22.85	PASS
Band5	3MHz	16QAM	20525	8RB#4	22.72	PASS
Band5	3MHz	QPSK	20525	8RB#7	22.89	PASS
Band5	3MHz	16QAM	20525	8RB#7	22.51	PASS
Band5	3MHz	QPSK	20525	15RB#0	22.80	PASS
Band5	3MHz	16QAM	20525	15RB#0	22.17	PASS
Band5	3MHz	QPSK	20635	1RB#0	23.48	PASS
Band5	3MHz	16QAM	20635	1RB#0	23.70	PASS
Band5	3MHz	QPSK	20635	1RB#8	23.43	PASS
Band5	3MHz	16QAM	20635	1RB#8	23.35	PASS
Band5	3MHz	QPSK	20635	1RB#14	22.34	PASS





Band5	3MHz	16QAM	20635	1RB#14	22.28	PASS
Band5	3MHz	QPSK	20635	8RB#0	22.66	PASS
Band5	3MHz	16QAM	20635	8RB#0	22.45	PASS
Band5	3MHz	QPSK	20635	8RB#4	23.02	PASS
Band5	3MHz	16QAM	20635	8RB#4	22.40	PASS
Band5	3MHz	QPSK	20635	8RB#7	22.69	PASS
Band5	3MHz	16QAM	20635	8RB#7	22.24	PASS
Band5	3MHz	QPSK	20635	15RB#0	22.95	PASS
Band5	3MHz	16QAM	20635	15RB#0	22.27	PASS
Band5	5MHz	QPSK	20425	1RB#0	23.63	PASS
Band5	5MHz	16QAM	20425	1RB#0	22.49	PASS
Band5	5MHz	QPSK	20425	1RB#12	23.74	PASS
Band5	5MHz	16QAM	20425	1RB#12	22.54	PASS
Band5	5MHz	QPSK	20425	1RB#24	23.80	PASS
Band5	5MHz	16QAM	20425	1RB#24	22.58	PASS
Band5	5MHz	QPSK	20425	12RB#0	22.75	PASS
Band5	5MHz	16QAM	20425	12RB#0	22.25	PASS
Band5	5MHz	QPSK	20425	12RB#6	22.75	PASS
Band5	5MHz	16QAM	20425	12RB#6	22.25	PASS
Band5	5MHz	QPSK	20425	12RB#13	22.62	PASS
Band5	5MHz	16QAM	20425	12RB#13	22.23	PASS
Band5	5MHz	QPSK	20425	25RB#0	22.75	PASS
Band5	5MHz	16QAM	20425	25RB#0	22.35	PASS
Band5	5MHz	QPSK	20525	1RB#0	23.50	PASS
Band5	5MHz	16QAM	20525	1RB#0	23.55	PASS
Band5	5MHz	QPSK	20525	1RB#12	23.44	PASS
Band5	5MHz	16QAM	20525	1RB#12	23.69	PASS
Band5	5MHz	QPSK	20525	1RB#24	23.60	PASS
Band5	5MHz	16QAM	20525	1RB#24	23.67	PASS
Band5	5MHz	QPSK	20525	12RB#0	22.80	PASS
Band5	5MHz	16QAM	20525	12RB#0	22.38	PASS
Band5	5MHz	QPSK	20525	12RB#6	22.77	PASS
Band5	5MHz	16QAM	20525	12RB#6	22.42	PASS
Band5	5MHz	QPSK	20525	12RB#13	22.85	PASS
Band5	5MHz	16QAM	20525	12RB#13	22.39	PASS
Band5	5MHz	QPSK	20525	25RB#0	22.86	PASS
Band5	5MHz	16QAM	20525	25RB#0	22.32	PASS
Band5	5MHz	QPSK	20625	1RB#0	23.61	PASS
Band5	5MHz	16QAM	20625	1RB#0	23.11	PASS
Band5	5MHz	QPSK	20625	1RB#12	23.54	PASS





Band5	5MHz	16QAM	20625	1RB#12	23.05	PASS
Band5	5MHz	QPSK	20625	1RB#24	22.75	PASS
Band5	5MHz	16QAM	20625	1RB#24	22.46	PASS
Band5	5MHz	QPSK	20625	12RB#0	22.96	PASS
Band5	5MHz	16QAM	20625	12RB#0	22.42	PASS
Band5	5MHz	QPSK	20625	12RB#6	22.88	PASS
Band5	5MHz	16QAM	20625	12RB#6	22.39	PASS
Band5	5MHz	QPSK	20625	12RB#13	22.82	PASS
Band5	5MHz	16QAM	20625	12RB#13	22.12	PASS
Band5	5MHz	QPSK	20625	25RB#0	22.91	PASS
Band5	5MHz	16QAM	20625	25RB#0	22.29	PASS
Band5	10MHz	QPSK	20450	1RB#0	23.59	PASS
Band5	10MHz	16QAM	20450	1RB#0	23.18	PASS
Band5	10MHz	QPSK	20450	1RB#24	23.69	PASS
Band5	10MHz	16QAM	20450	1RB#24	23.21	PASS
Band5	10MHz	QPSK	20450	1RB#49	23.62	PASS
Band5	10MHz	16QAM	20450	1RB#49	23.19	PASS
Band5	10MHz	QPSK	20450	25RB#0	22.80	PASS
Band5	10MHz	16QAM	20450	25RB#0	22.24	PASS
Band5	10MHz	QPSK	20450	25RB#12	22.85	PASS
Band5	10MHz	16QAM	20450	25RB#12	22.28	PASS
Band5	10MHz	QPSK	20450	25RB#25	22.83	PASS
Band5	10MHz	16QAM	20450	25RB#25	22.25	PASS
Band5	10MHz	QPSK	20450	50RB#0	22.79	PASS
Band5	10MHz	16QAM	20450	50RB#0	22.28	PASS
Band5	10MHz	QPSK	20525	1RB#0	23.68	PASS
Band5	10MHz	16QAM	20525	1RB#0	23.26	PASS
Band5	10MHz	QPSK	20525	1RB#24	23.81	PASS
Band5	10MHz	16QAM	20525	1RB#24	22.41	PASS
Band5	10MHz	QPSK	20525	1RB#49	23.73	PASS
Band5	10MHz	16QAM	20525	1RB#49	22.40	PASS
Band5	10MHz	QPSK	20525	25RB#0	22.88	PASS
Band5	10MHz	16QAM	20525	25RB#0	22.39	PASS
Band5	10MHz	QPSK	20525	25RB#12	22.90	PASS
Band5	10MHz	16QAM	20525	25RB#12	22.39	PASS
Band5	10MHz	QPSK	20525	25RB#25	22.86	PASS
Band5	10MHz	16QAM	20525	25RB#25	22.39	PASS
Band5	10MHz	QPSK	20525	50RB#0	22.89	PASS
Band5	10MHz	16QAM	20525	50RB#0	22.35	PASS
Band5	10MHz	QPSK	20600	1RB#0	23.72	PASS





Band5	10MHz	16QAM	20600	1RB#0	23.79	PASS
Band5	10MHz	QPSK	20600	1RB#24	23.64	PASS
Band5	10MHz	16QAM	20600	1RB#24	23.71	PASS
Band5	10MHz	QPSK	20600	1RB#49	23.06	PASS
Band5	10MHz	16QAM	20600	1RB#49	23.12	PASS
Band5	10MHz	QPSK	20600	25RB#0	22.82	PASS
Band5	10MHz	16QAM	20600	25RB#0	22.29	PASS
Band5	10MHz	QPSK	20600	25RB#12	22.80	PASS
Band5	10MHz	16QAM	20600	25RB#12	22.31	PASS
Band5	10MHz	QPSK	20600	25RB#25	22.83	PASS
Band5	10MHz	16QAM	20600	25RB#25	22.41	PASS
Band5	10MHz	QPSK	20600	50RB#0	23.06	PASS
Band5	10MHz	16QAM	20600	50RB#0	22.36	PASS





H.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	4.83	13	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	5.15	13	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	5.66	13	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	6.25	13	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	4.52	13	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	5.46	13	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	5.41	13	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	5.95	13	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	3.52	13	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	3.32	13	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	3.99	13	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	4.77	13	PASS
Band5	3MHz	QPSK	20415	1RB#0	5.18	13	PASS
Band5	3MHz	16QAM	20415	1RB#0	5.72	13	PASS
Band5	3MHz	QPSK	20415	15RB#0	5.86	13	PASS
Band5	3MHz	16QAM	20415	15RB#0	6.53	13	PASS
Band5	3MHz	QPSK	20525	1RB#0	4.75	13	PASS
Band5	3MHz	16QAM	20525	1RB#0	5.34	13	PASS
Band5	3MHz	QPSK	20525	15RB#0	5.54	13	PASS
Band5	3MHz	16QAM	20525	15RB#0	6.16	13	PASS
Band5	3MHz	QPSK	20635	1RB#0	3.61	13	PASS
Band5	3MHz	16QAM	20635	1RB#0	3.62	13	PASS
Band5	3MHz	QPSK	20635	15RB#0	4.62	13	PASS
Band5	3MHz	16QAM	20635	15RB#0	5.24	13	PASS
Band5	5MHz	QPSK	20425	1RB#0	5.19	13	PASS
Band5	5MHz	16QAM	20425	1RB#0	5.84	13	PASS
Band5	5MHz	QPSK	20425	25RB#0	5.83	13	PASS
Band5	5MHz	16QAM	20425	25RB#0	6.43	13	PASS
Band5	5MHz	QPSK	20525	1RB#0	4.85	13	PASS
Band5	5MHz	16QAM	20525	1RB#0	5.35	13	PASS
Band5	5MHz	QPSK	20525	25RB#0	5.59	13	PASS
Band5	5MHz	16QAM	20525	25RB#0	6.23	13	PASS
Band5	5MHz	QPSK	20625	1RB#0	4.16	13	PASS
Band5	5MHz	16QAM	20625	1RB#0	4.55	13	PASS
Band5	5MHz	QPSK	20625	25RB#0	5.23	13	PASS



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Band5	5MHz	16QAM	20625	25RB#0	5.83	13	PASS
Band5	10MHz	QPSK	20450	1RB#0	5.16	13	PASS
Band5	10MHz	16QAM	20450	1RB#0	5.70	13	PASS
Band5	10MHz	QPSK	20450	50RB#0	5.70	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	6.38	13	PASS
Band5	10MHz	QPSK	20525	1RB#0	4.88	13	PASS
Band5	10MHz	16QAM	20525	1RB#0	5.39	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.63	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	6.30	13	PASS
Band5	10MHz	QPSK	20600	1RB#0	4.76	13	PASS
Band5	10MHz	16QAM	20600	1RB#0	5.26	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	5.29	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	5.98	13	PASS



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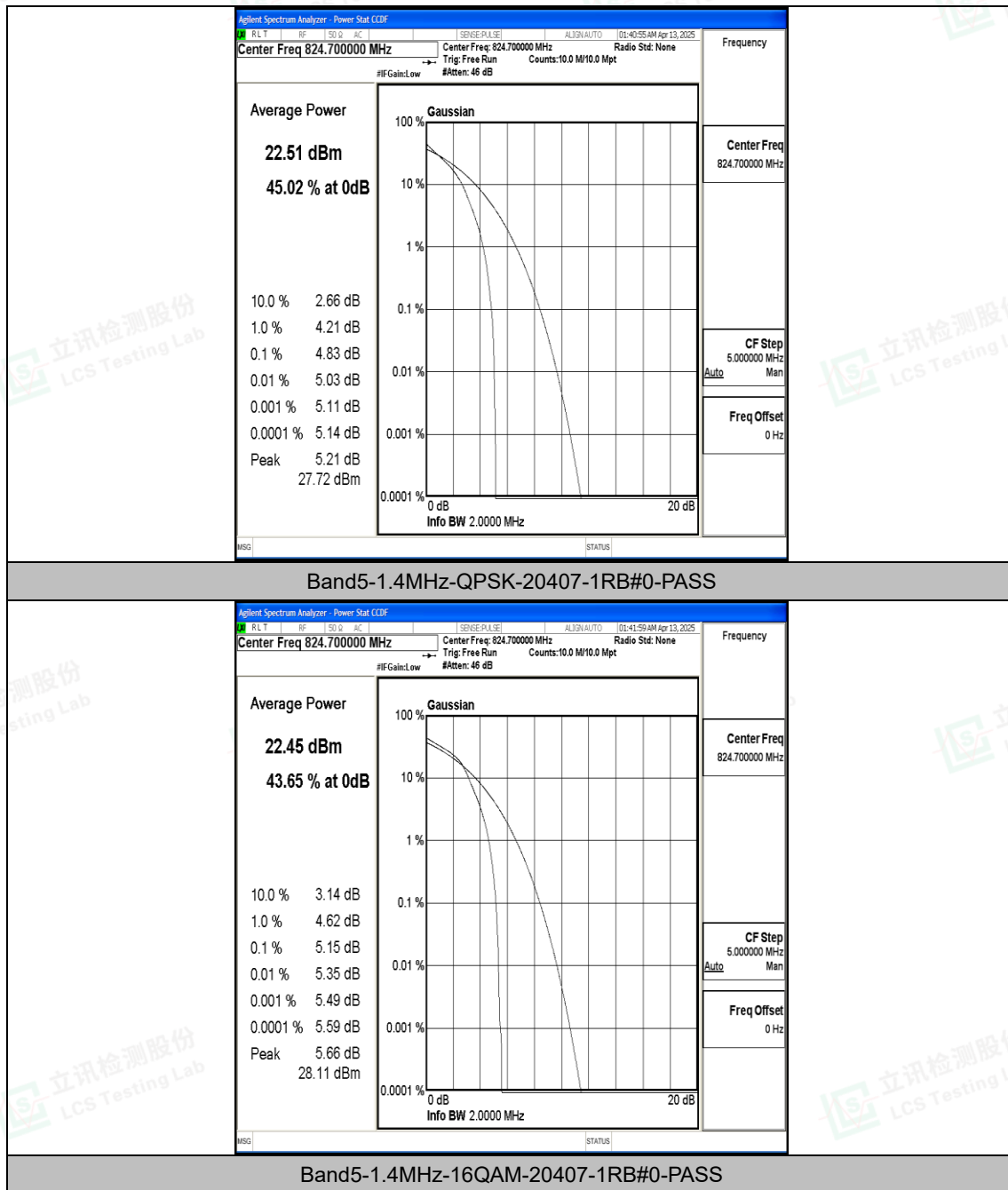
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Test Graphs

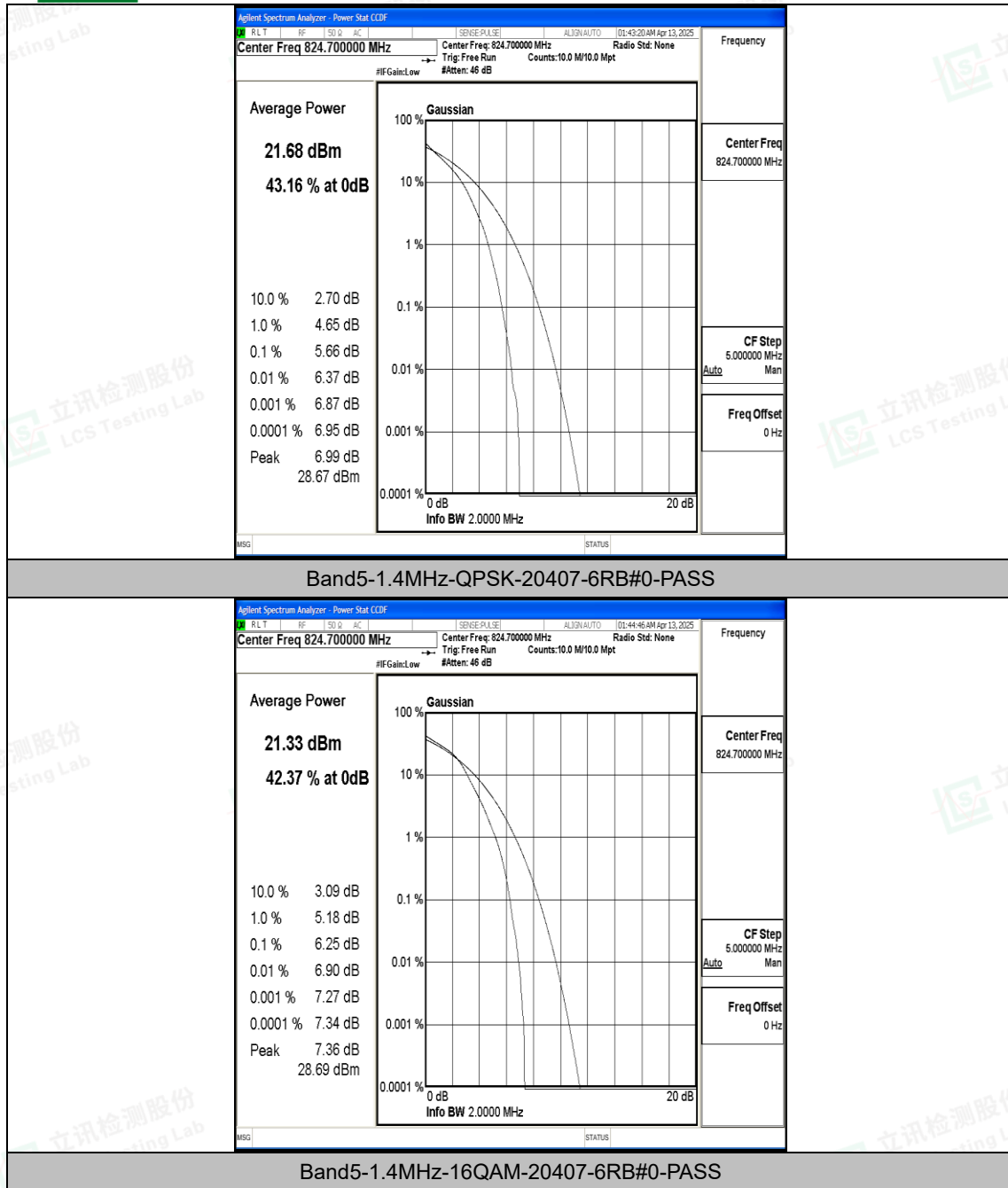


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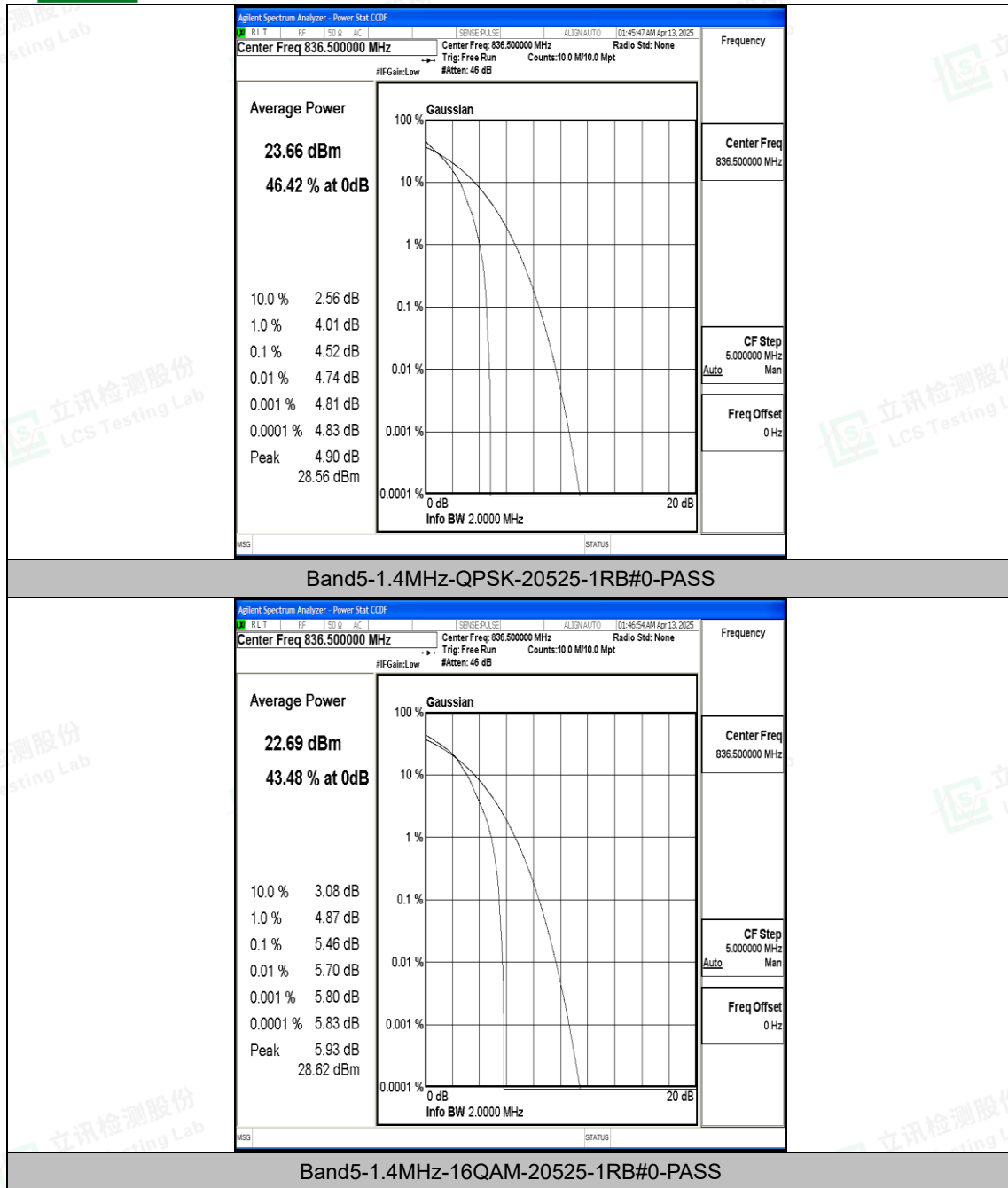


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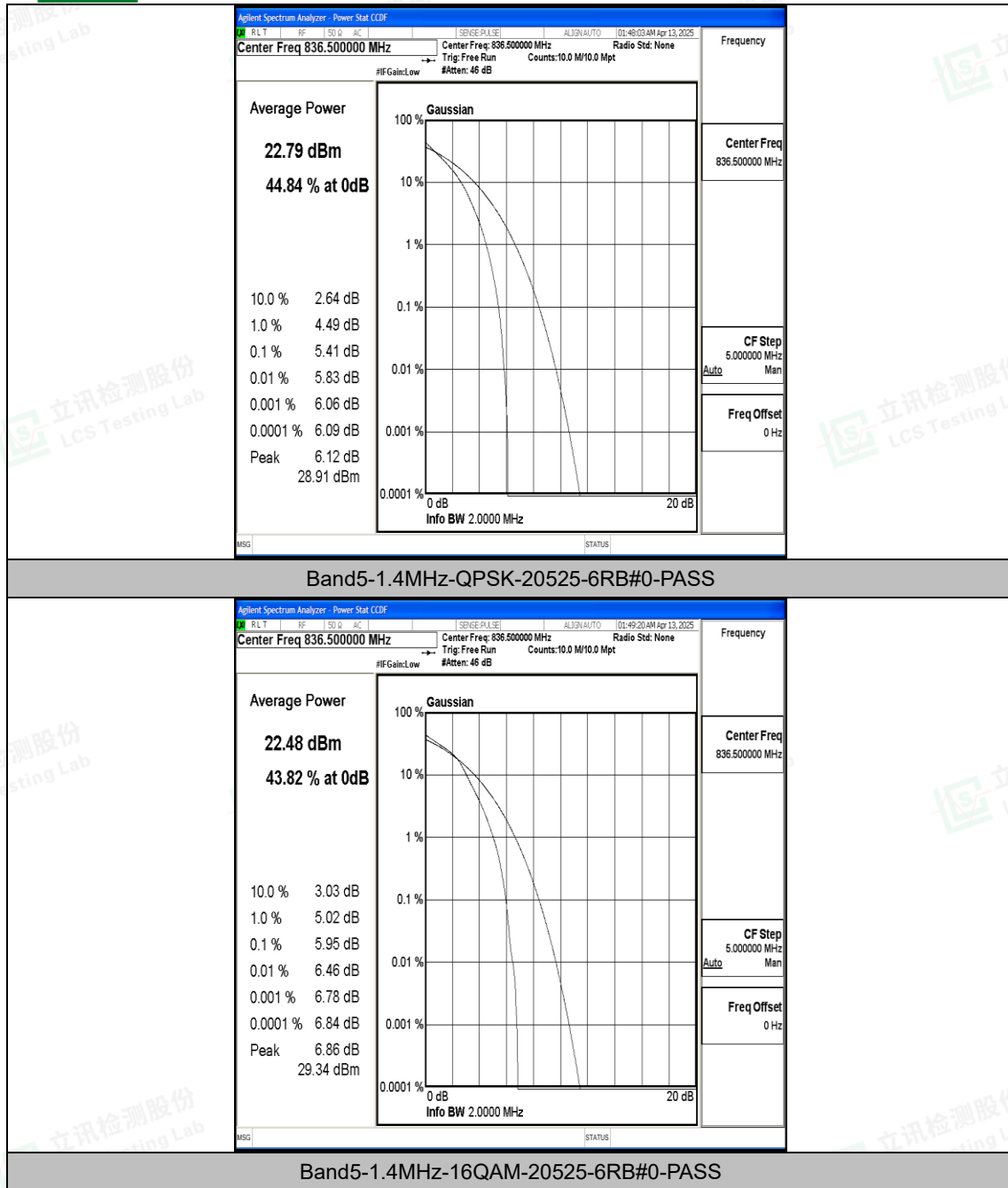


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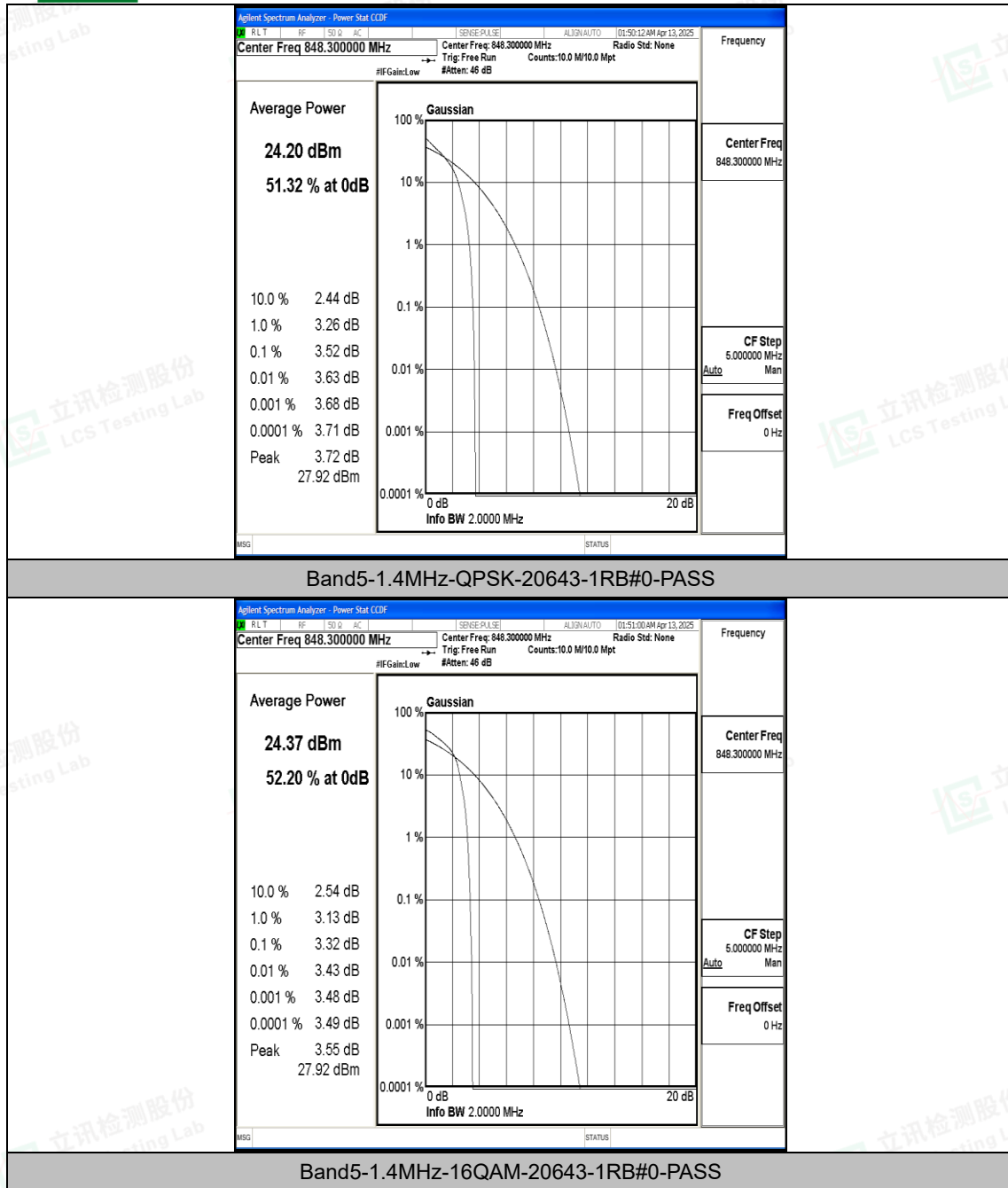


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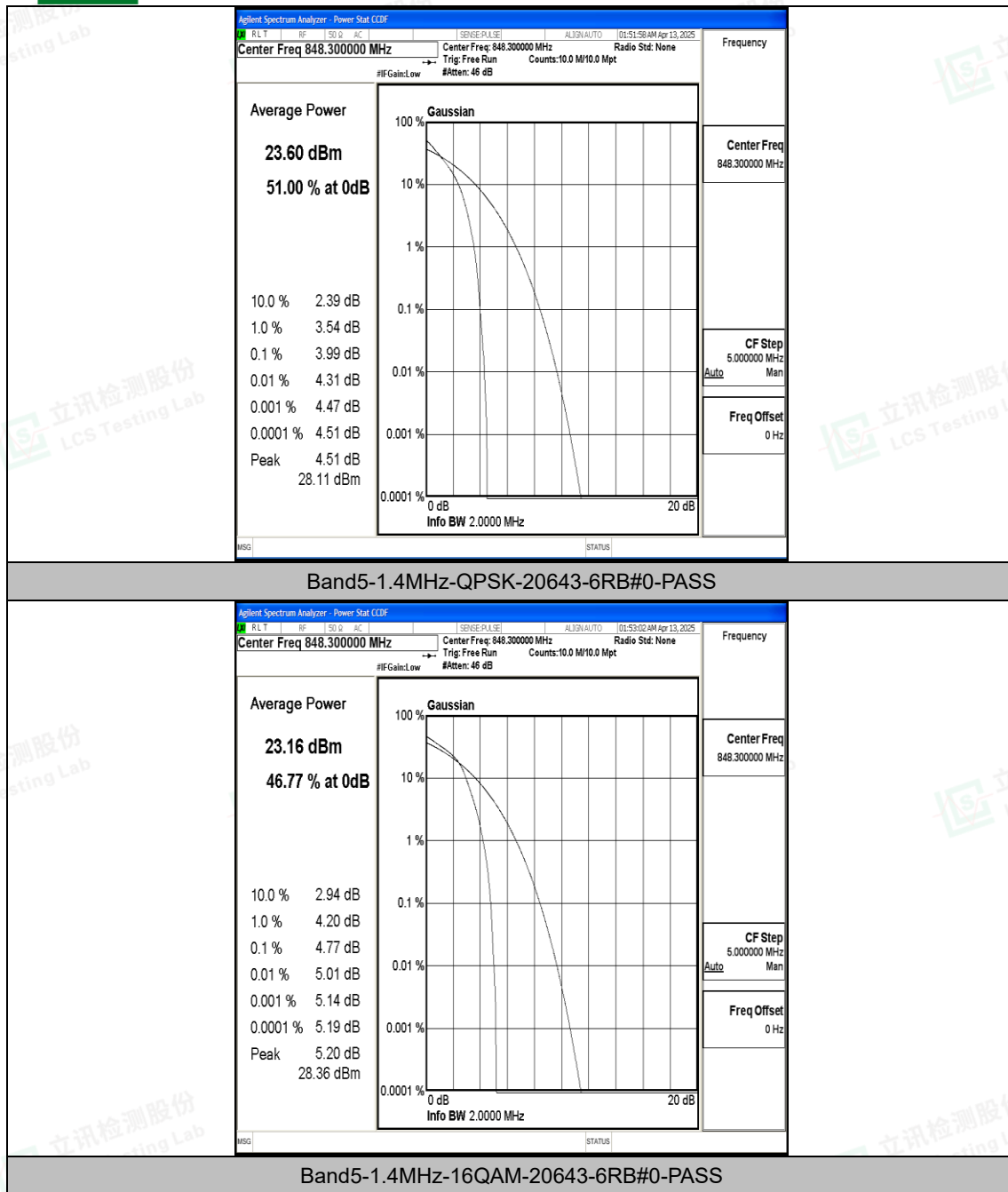


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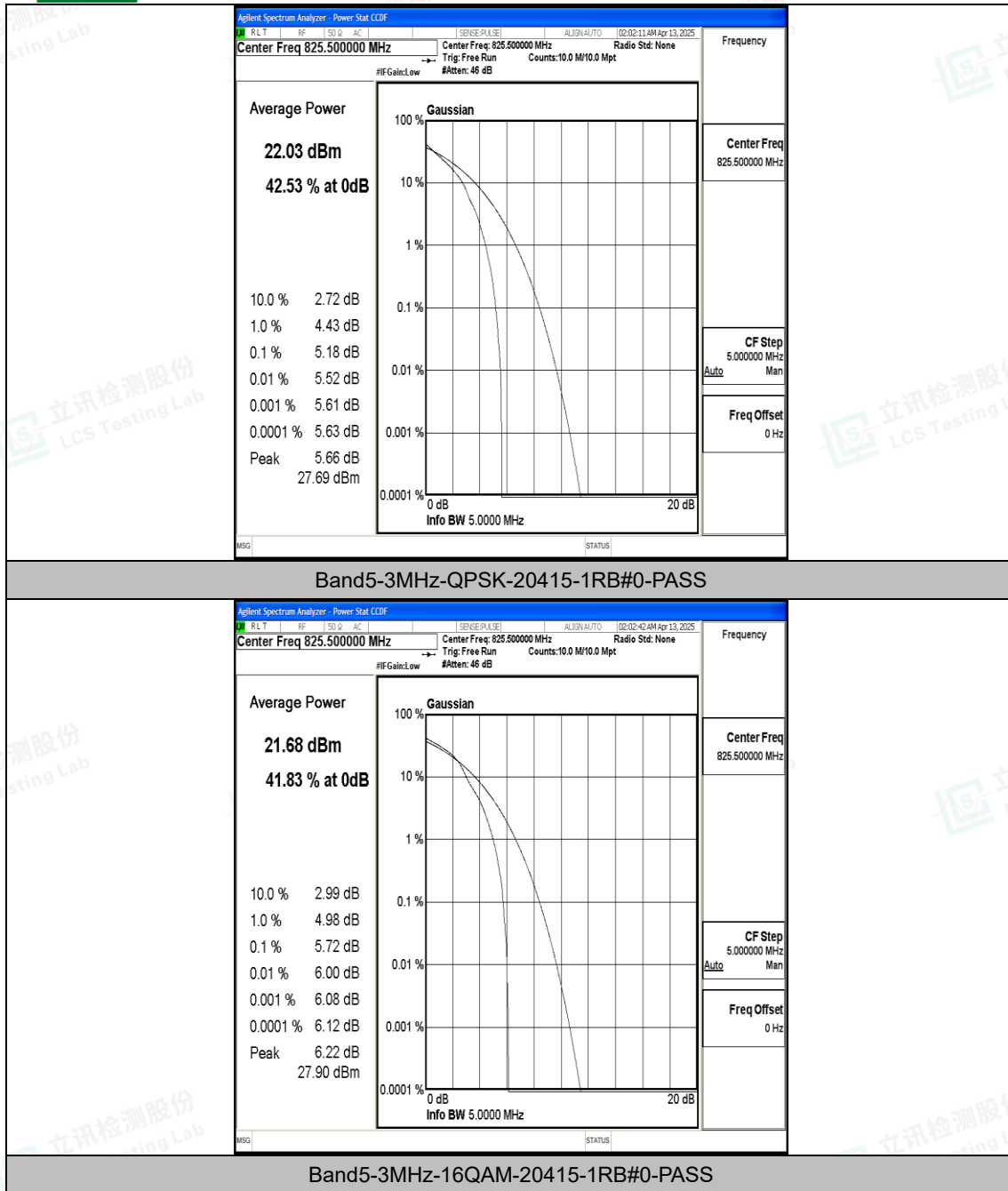


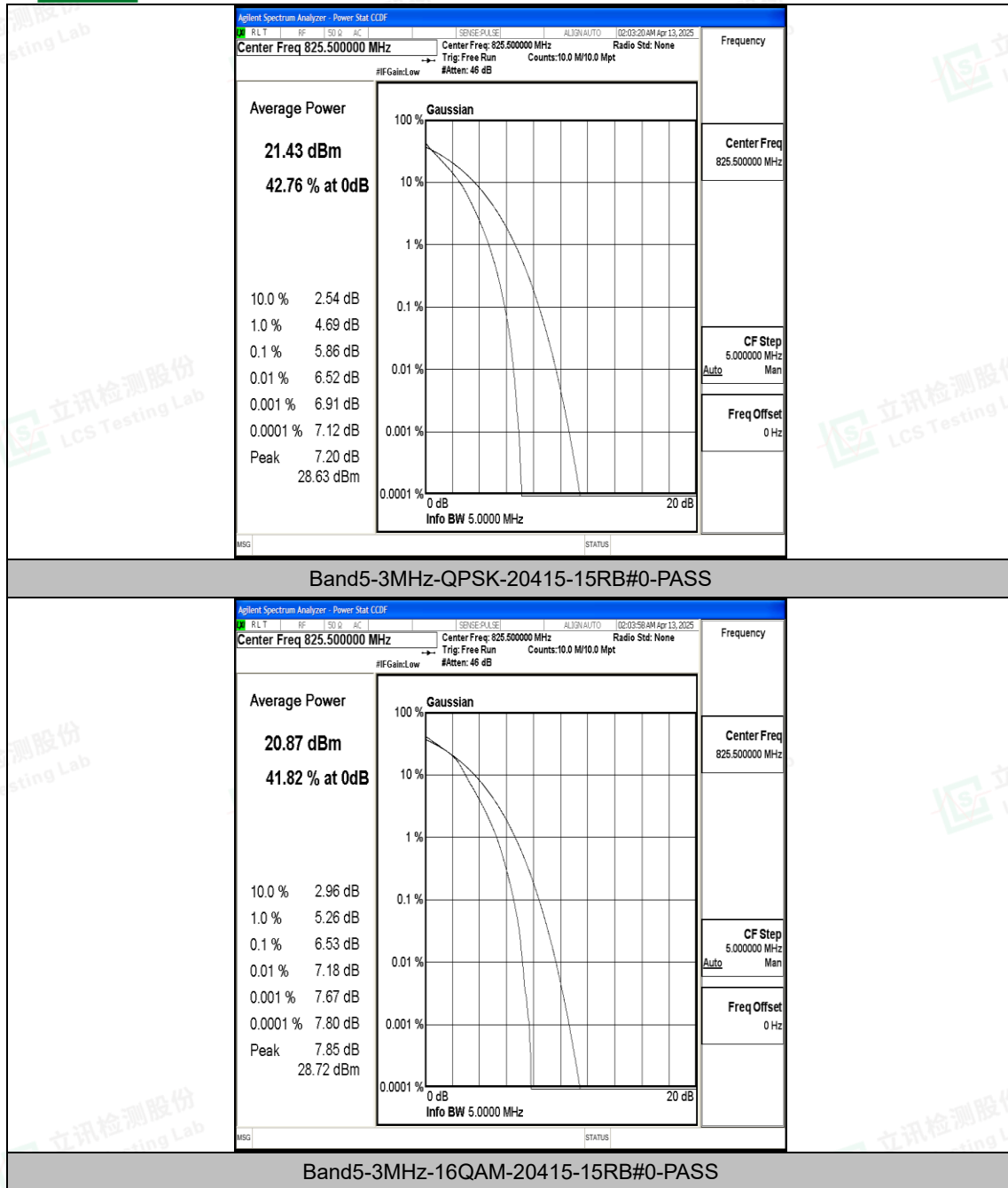
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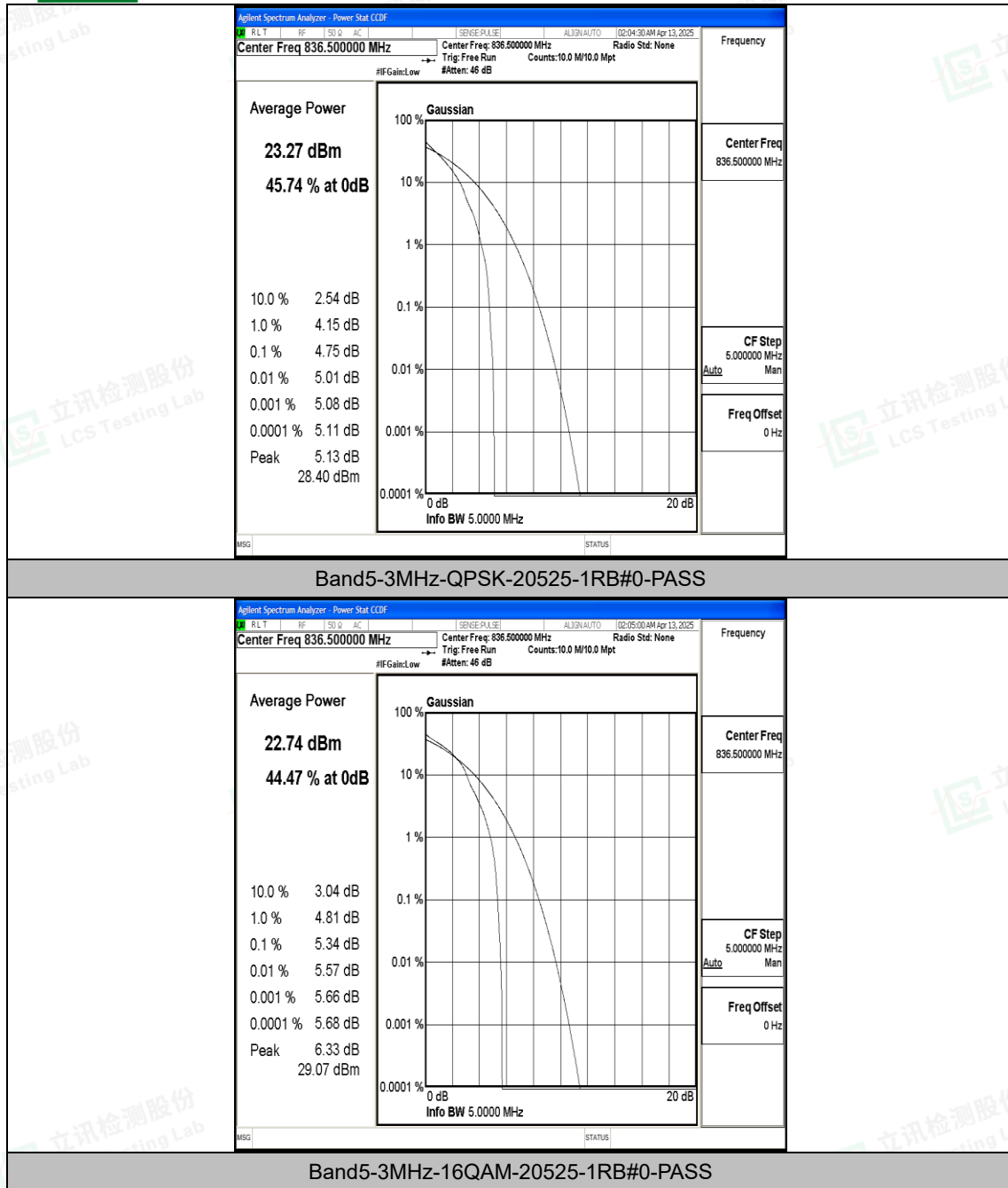


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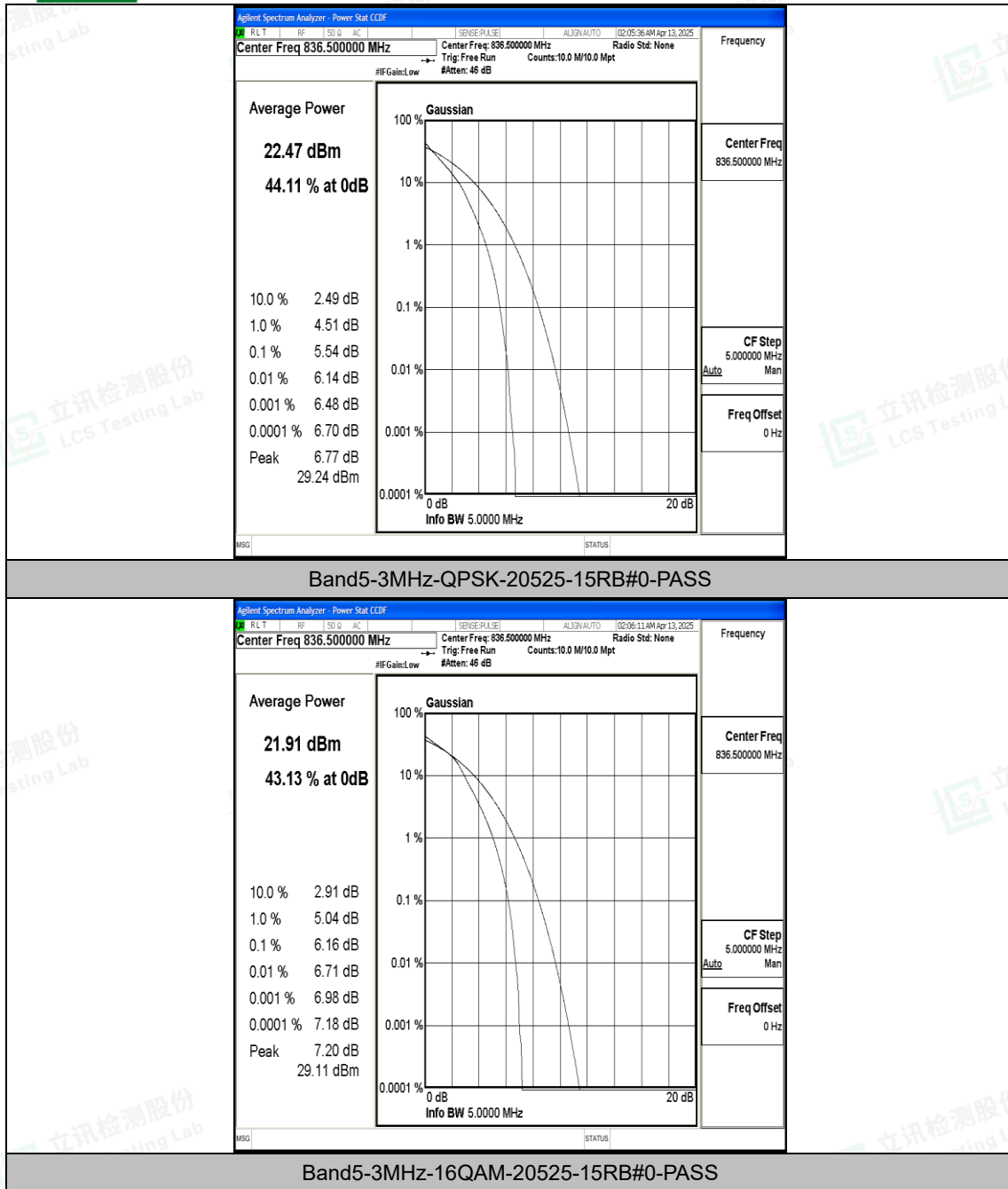


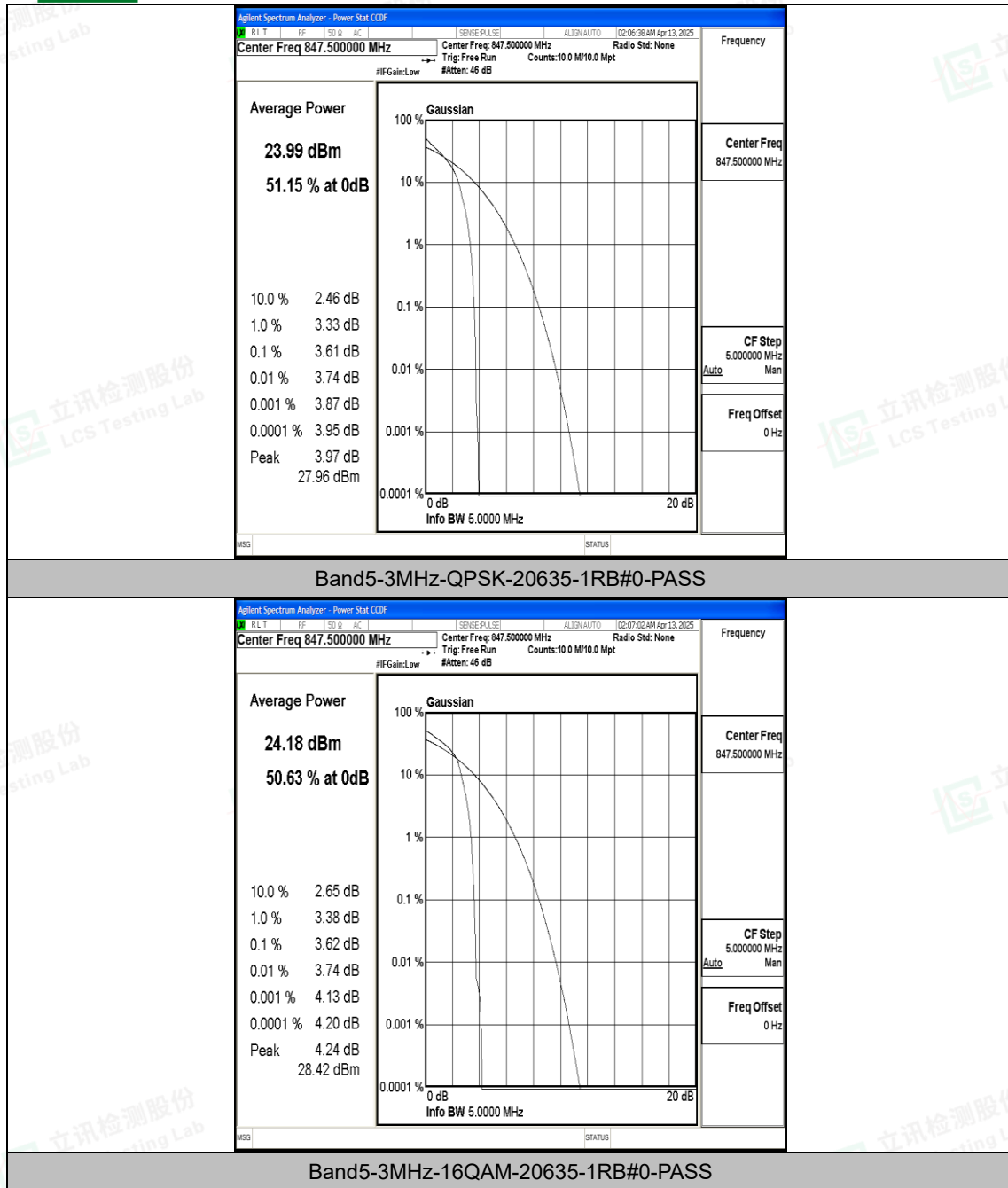
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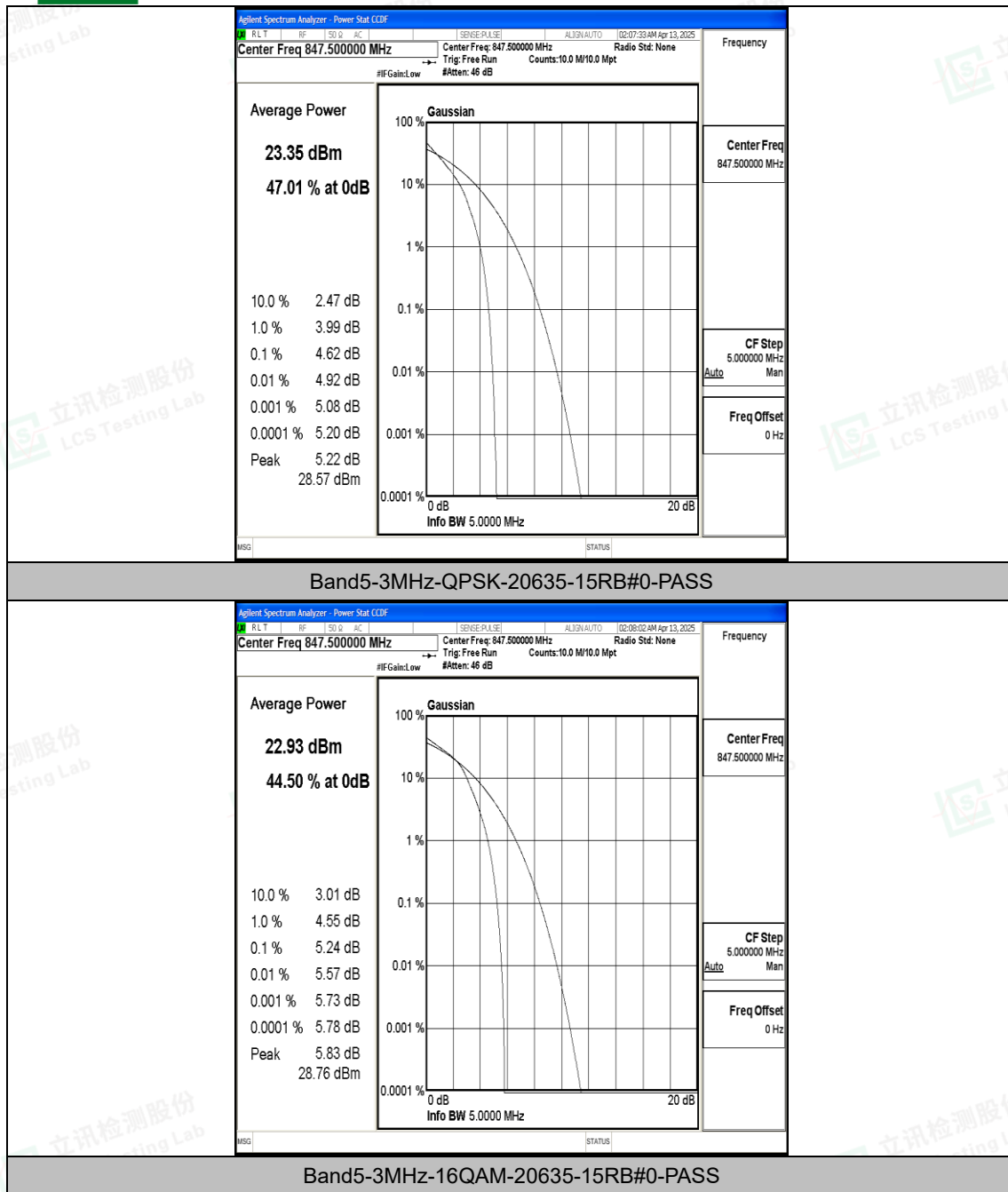


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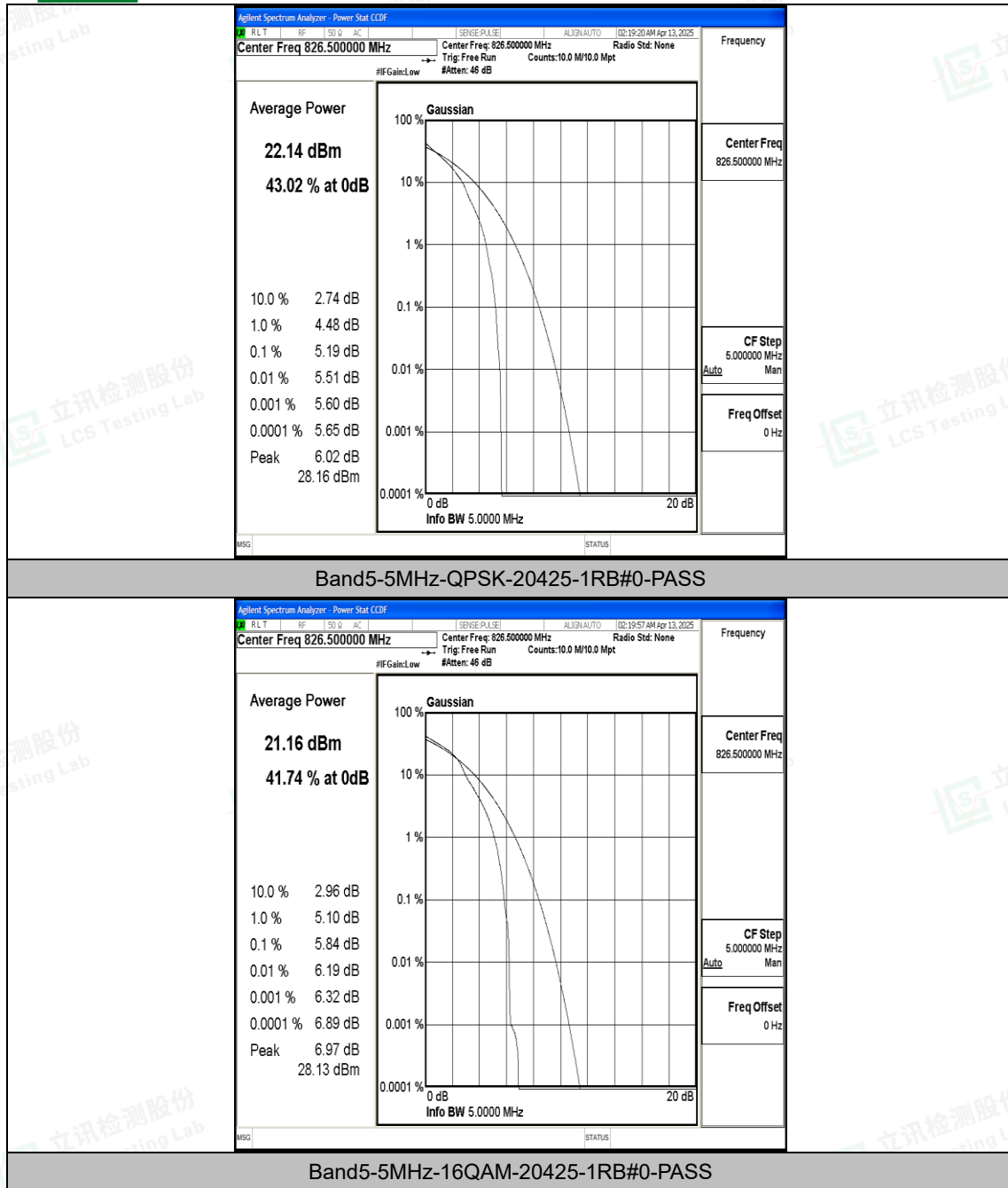


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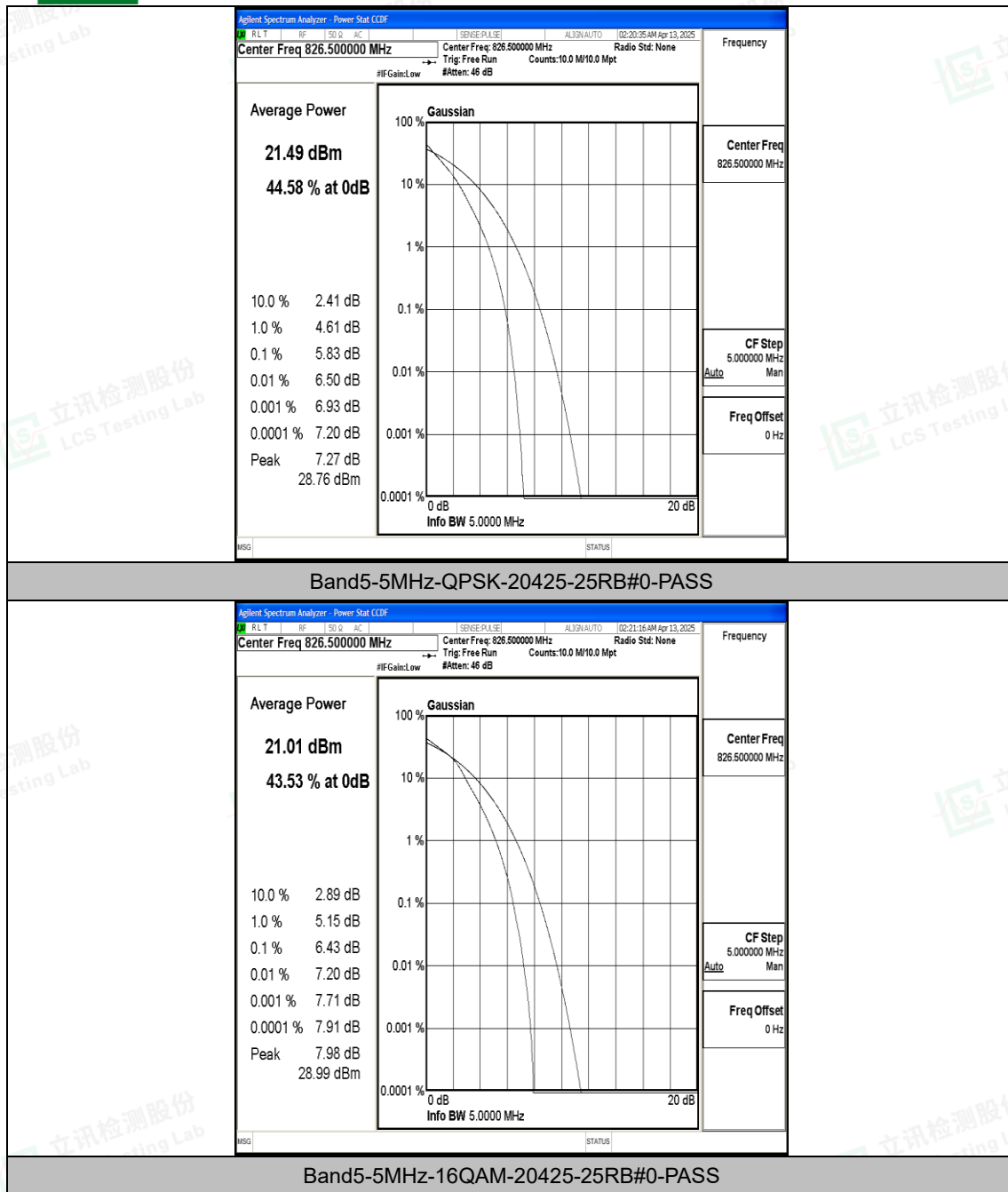


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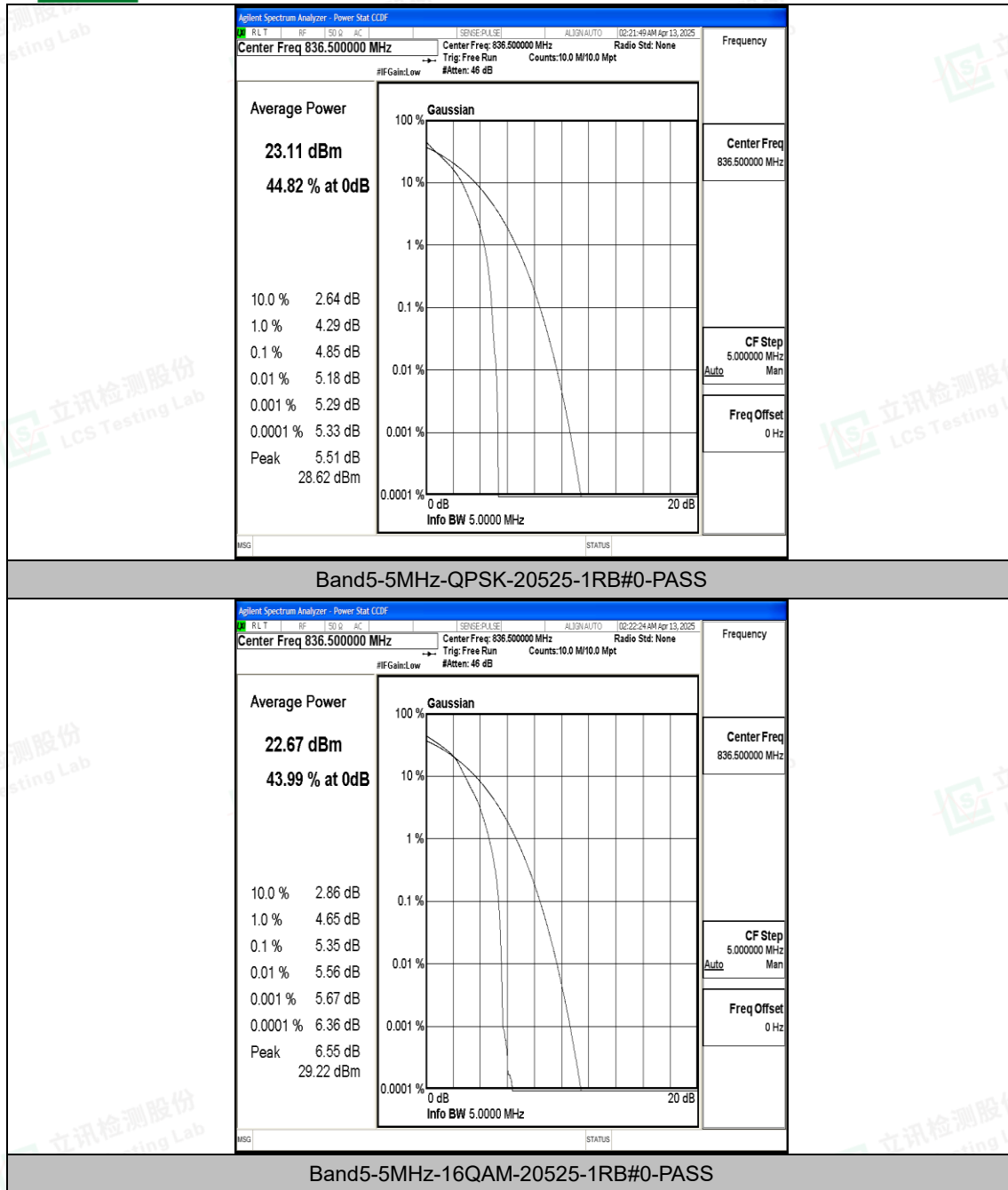


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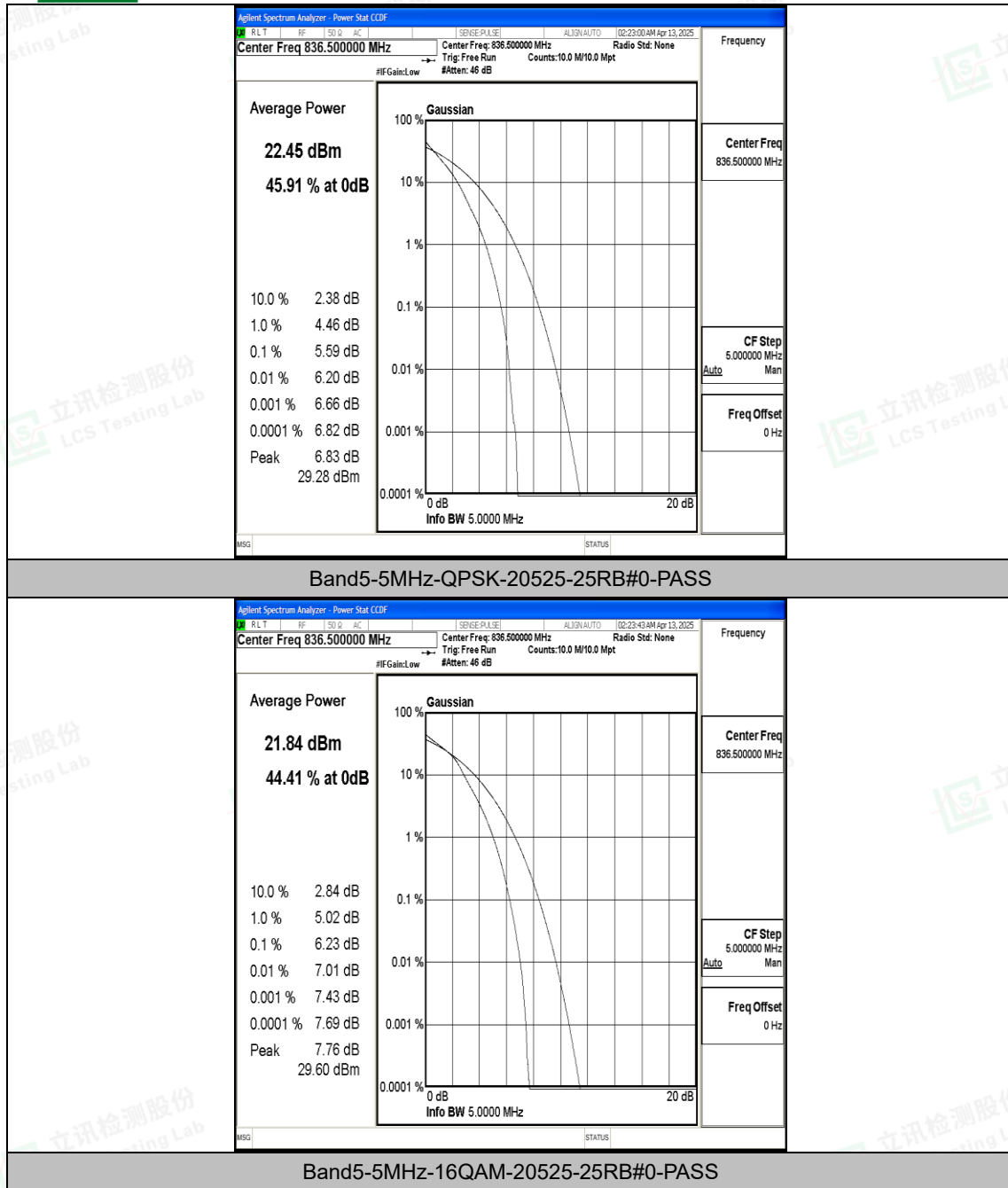


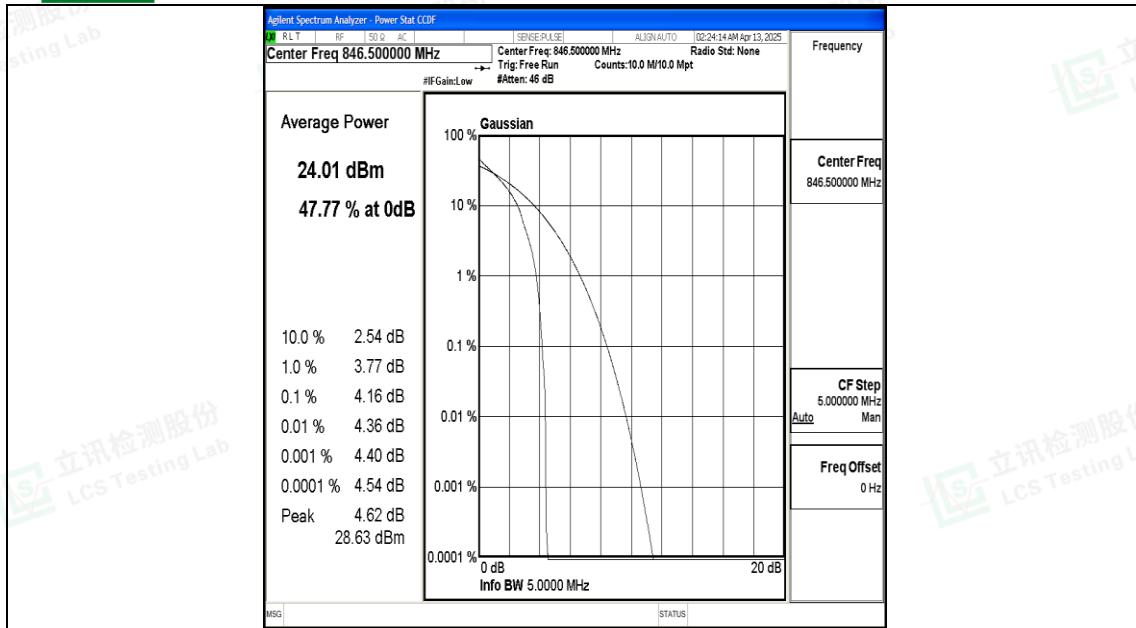
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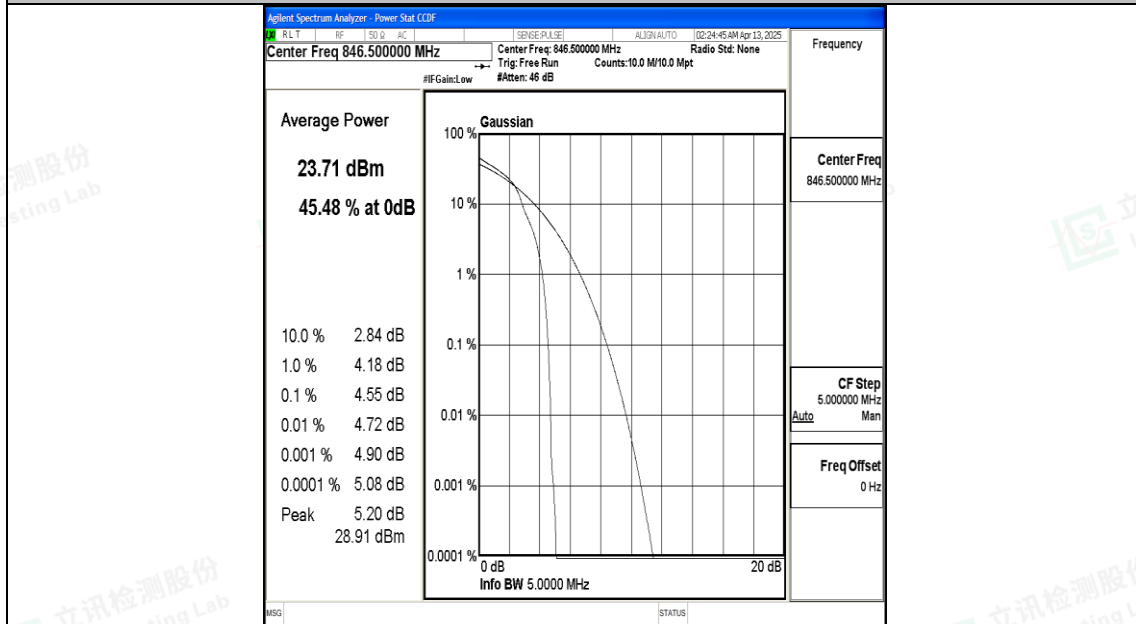
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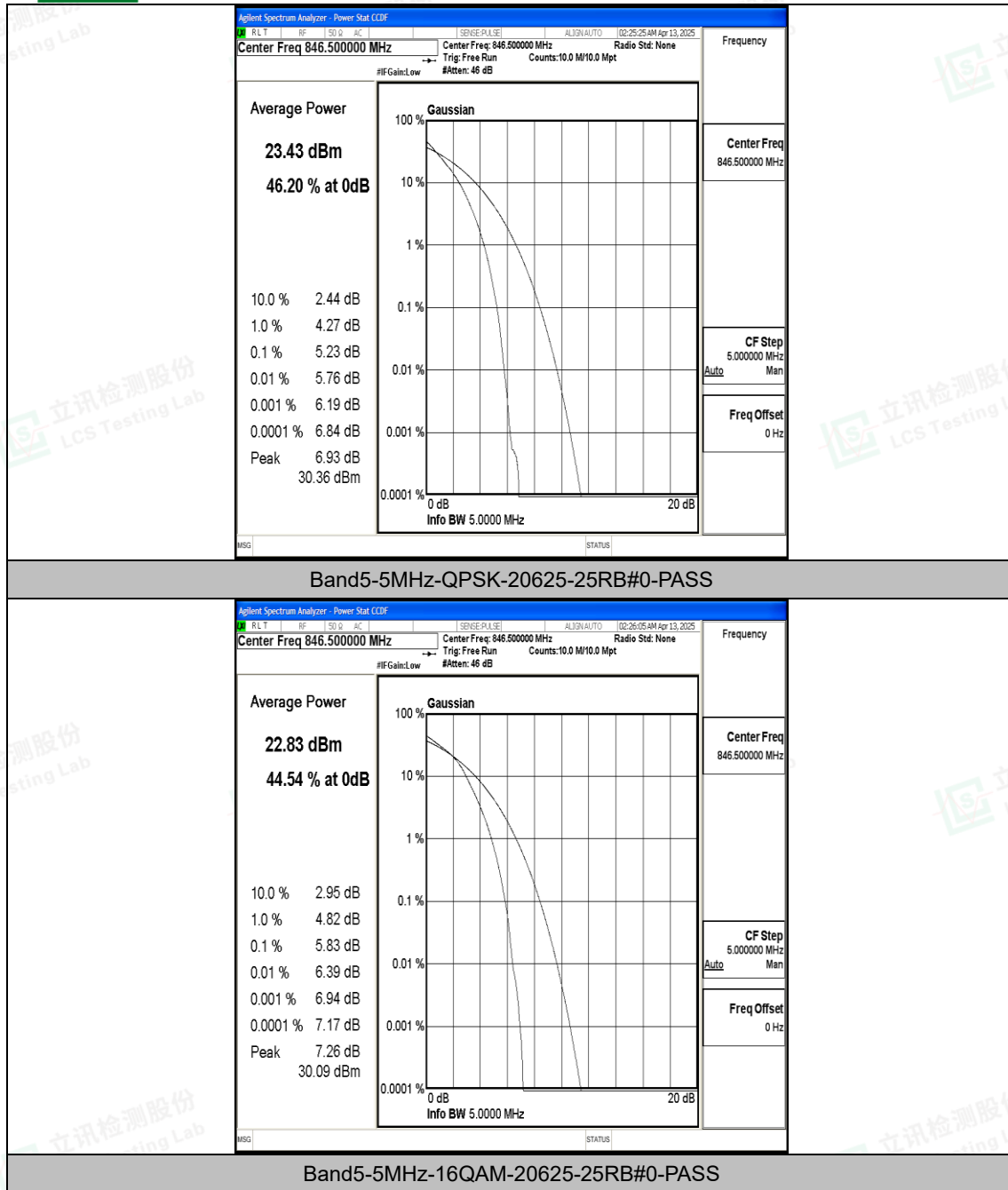


Band5-5MHz-QPSK-20625-1RB#0-PASS



Band5-5MHz-16QAM-20625-1RB#0-PASS



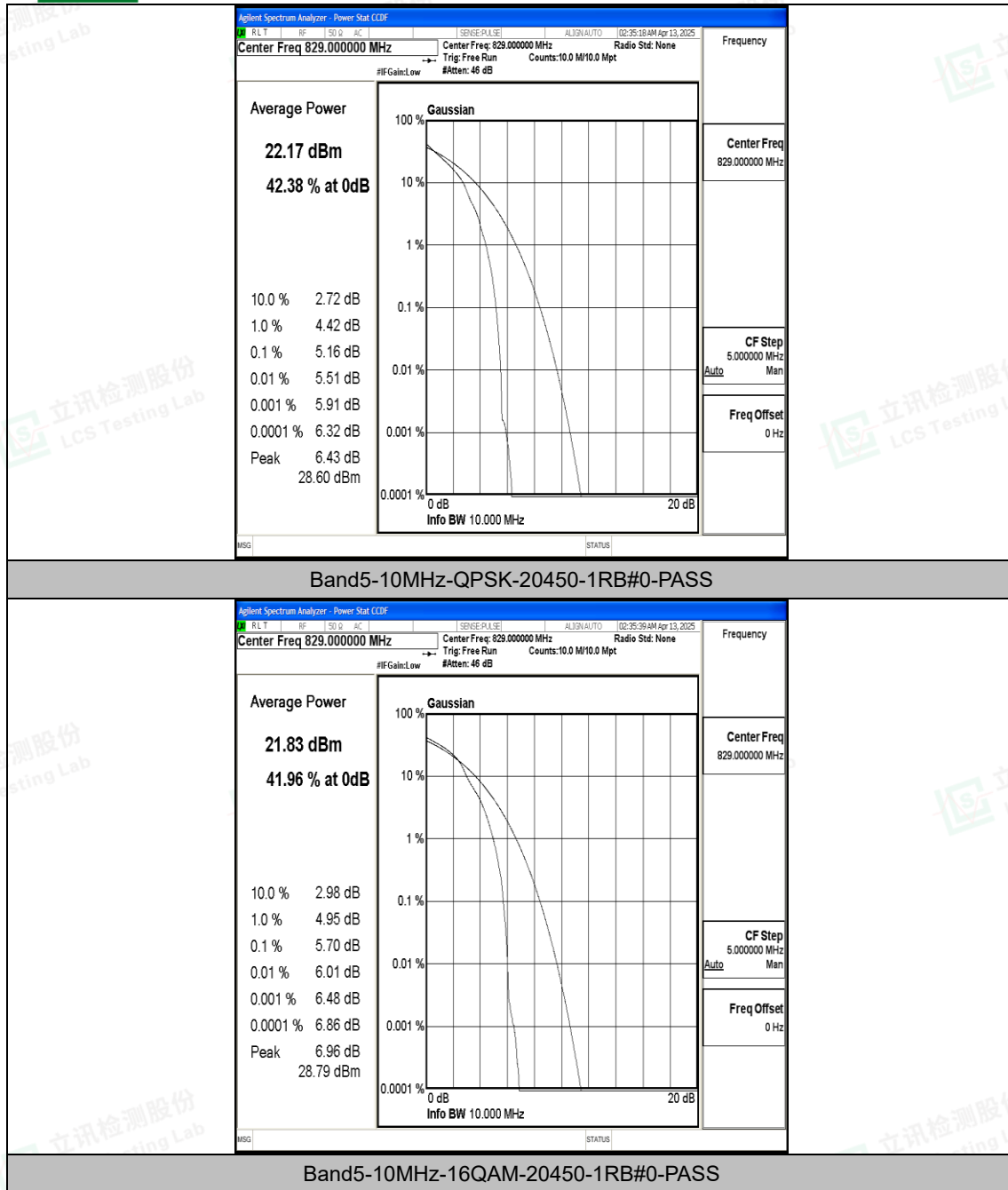


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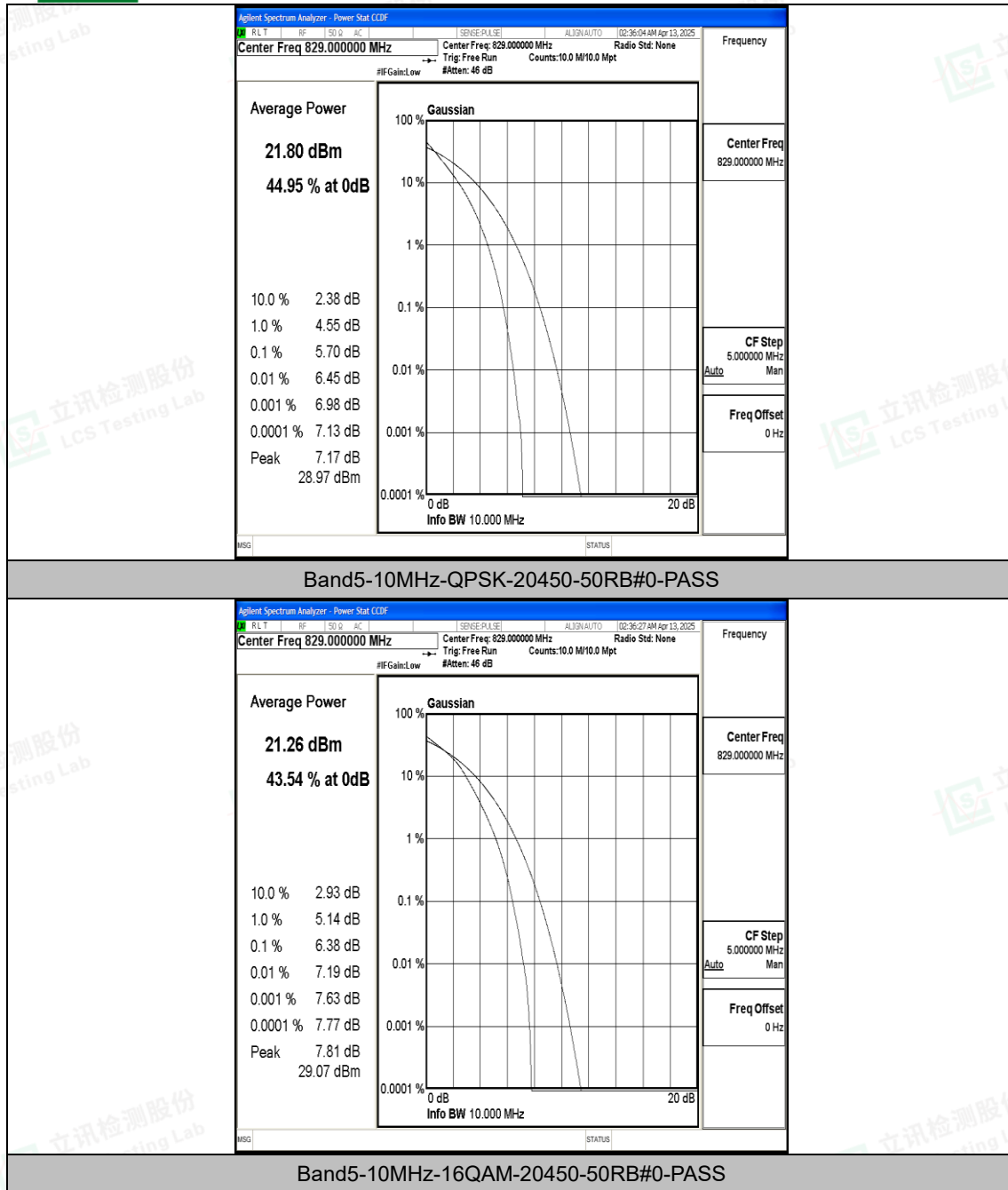


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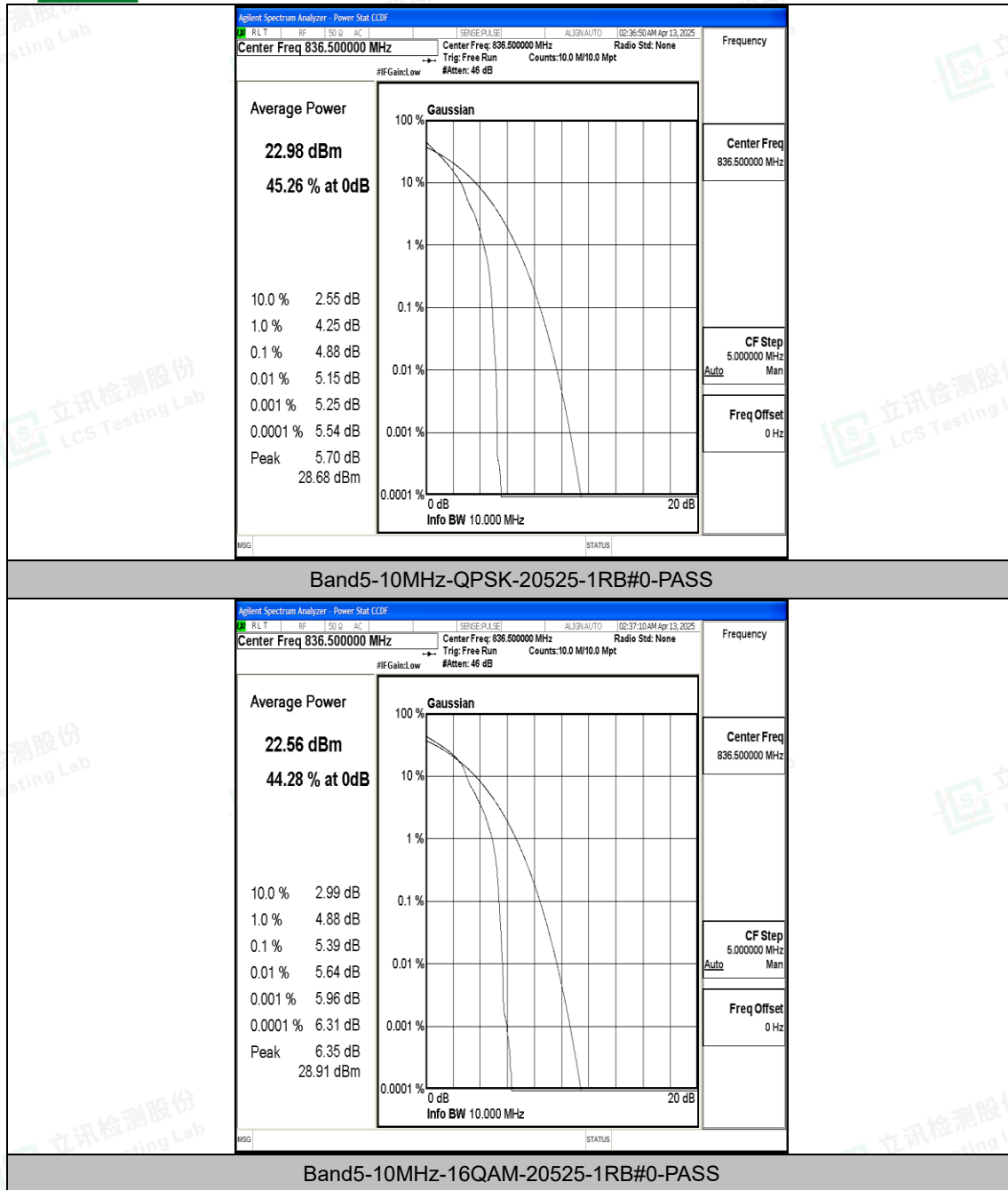


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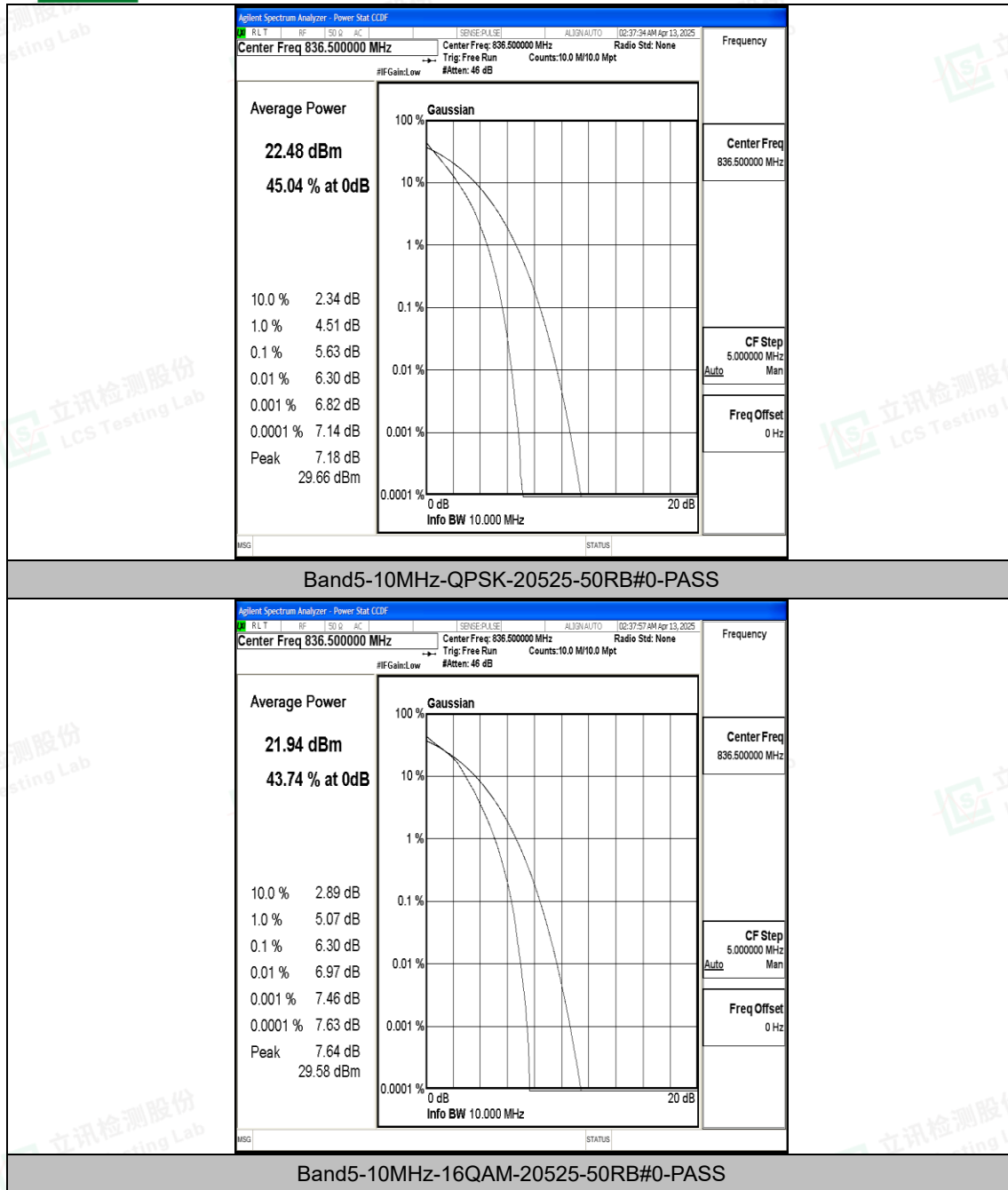


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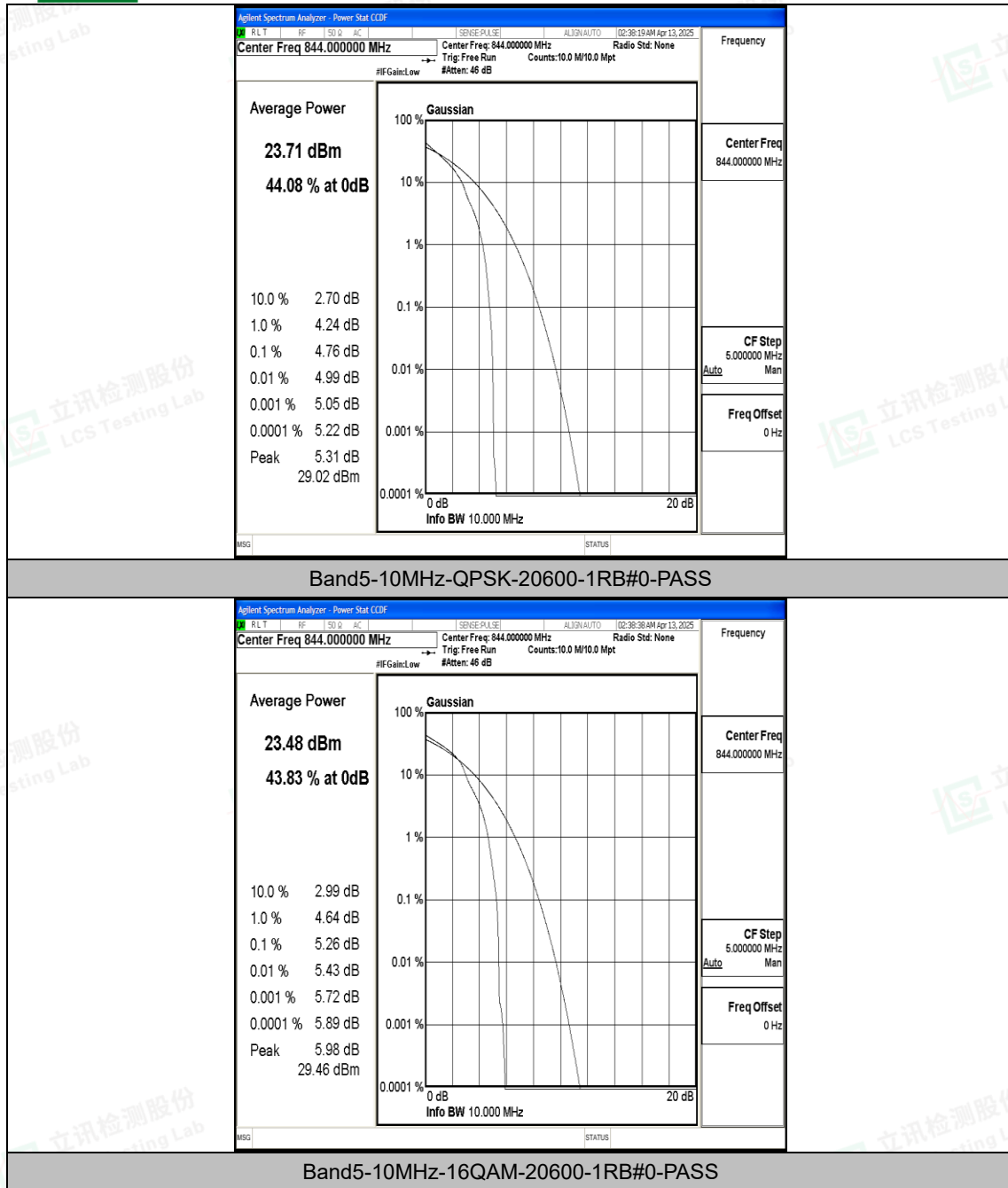


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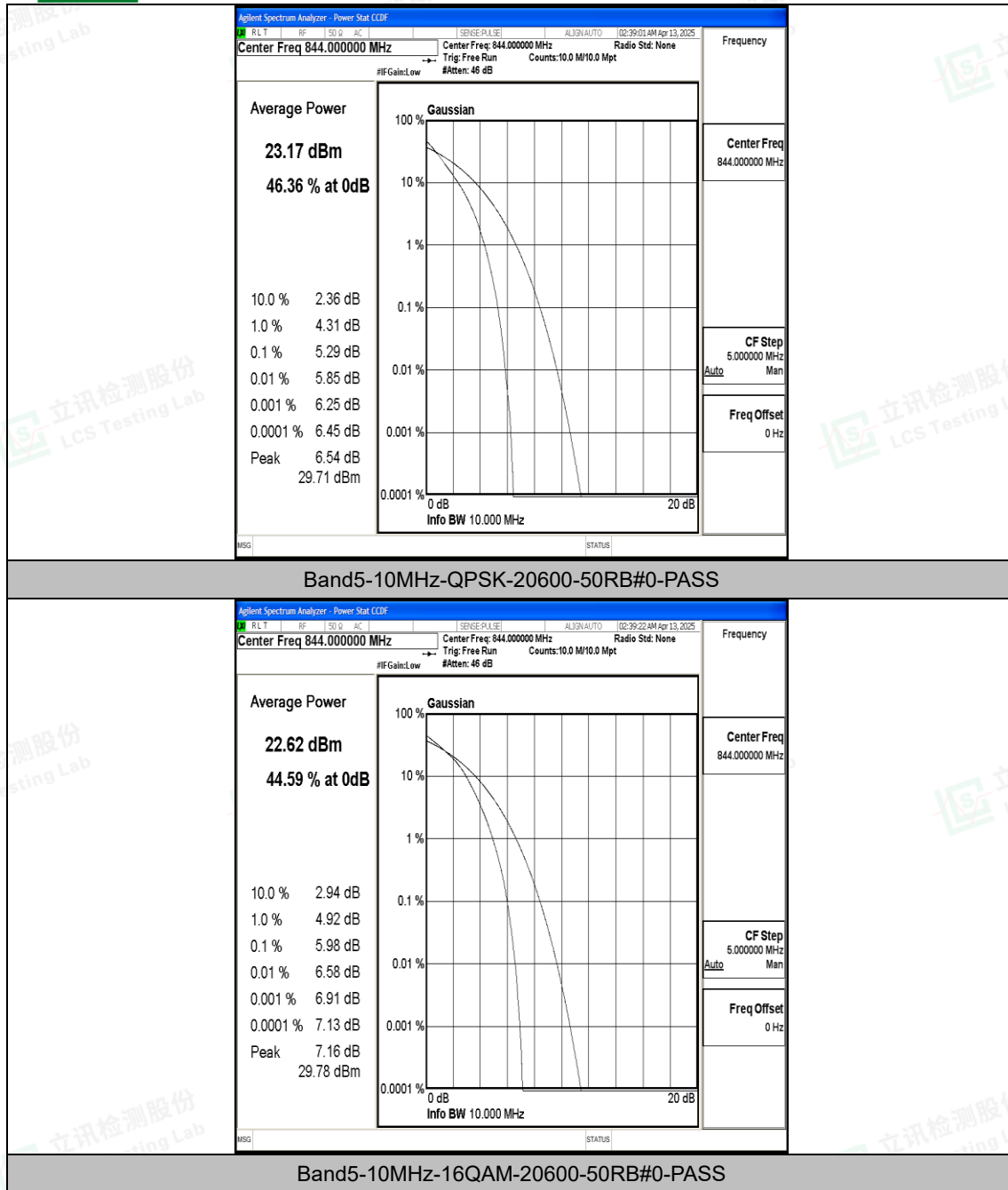


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H.3 26dB Bandwidth and Occupied Bandwidth

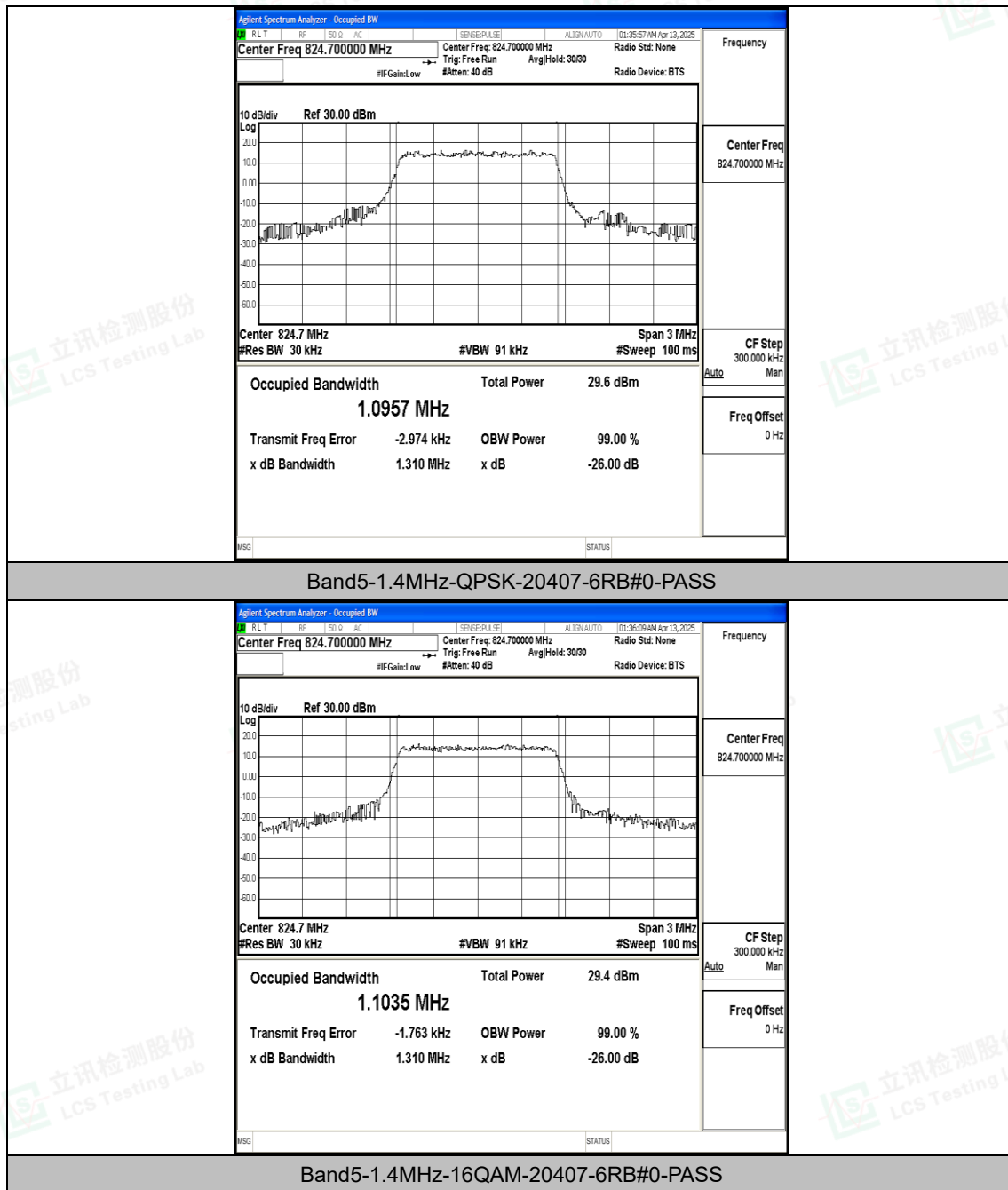
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	1.0957	1.310	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.1035	1.310	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.0994	1.319	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.1043	1.371	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.0996	1.289	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.0952	1.343	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.7745	3.344	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.7526	3.278	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.7633	3.511	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.7619	3.493	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.7807	3.304	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.7760	3.581	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.5306	5.298	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.5301	5.228	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.5165	5.354	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.5407	5.434	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.5272	5.419	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.5556	5.347	PASS
Band5	10MHz	QPSK	20450	50RB#0	8.9823	10.03	PASS
Band5	10MHz	16QAM	20450	50RB#0	8.9743	10.02	PASS
Band5	10MHz	QPSK	20525	50RB#0	9.0052	10.16	PASS
Band5	10MHz	16QAM	20525	50RB#0	8.9992	10.54	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.9580	9.996	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.9821	9.924	PASS





Test Graphs



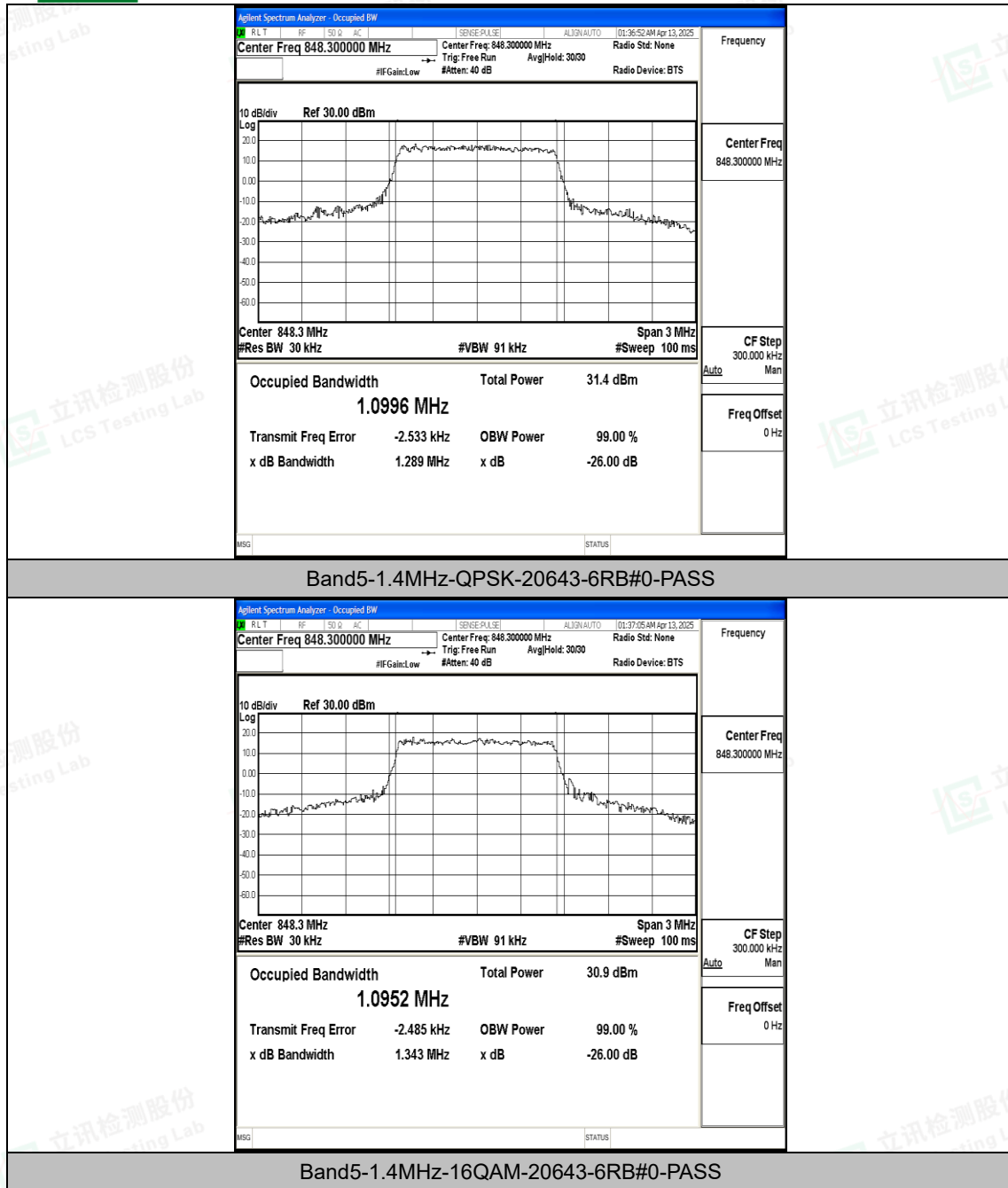
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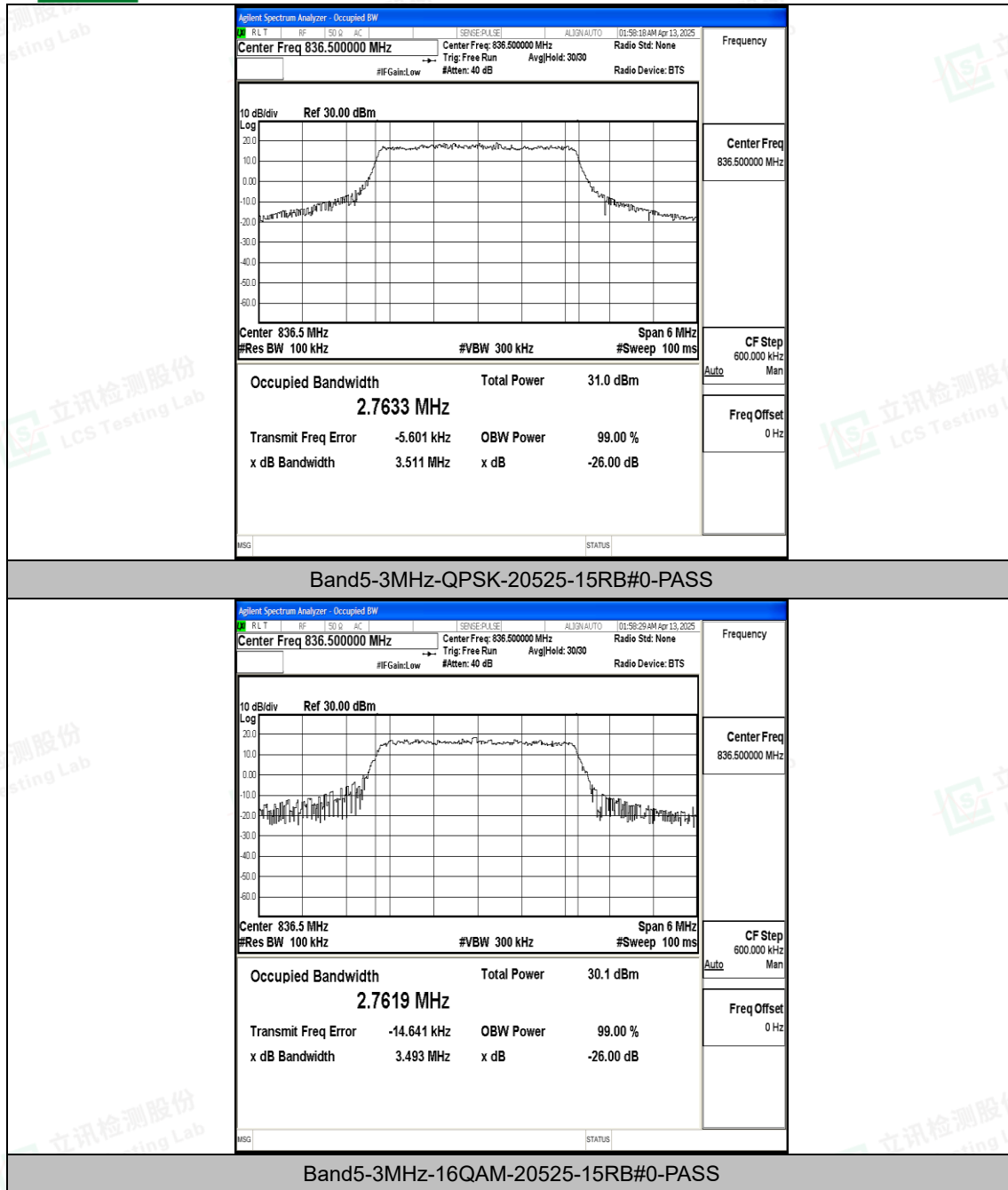


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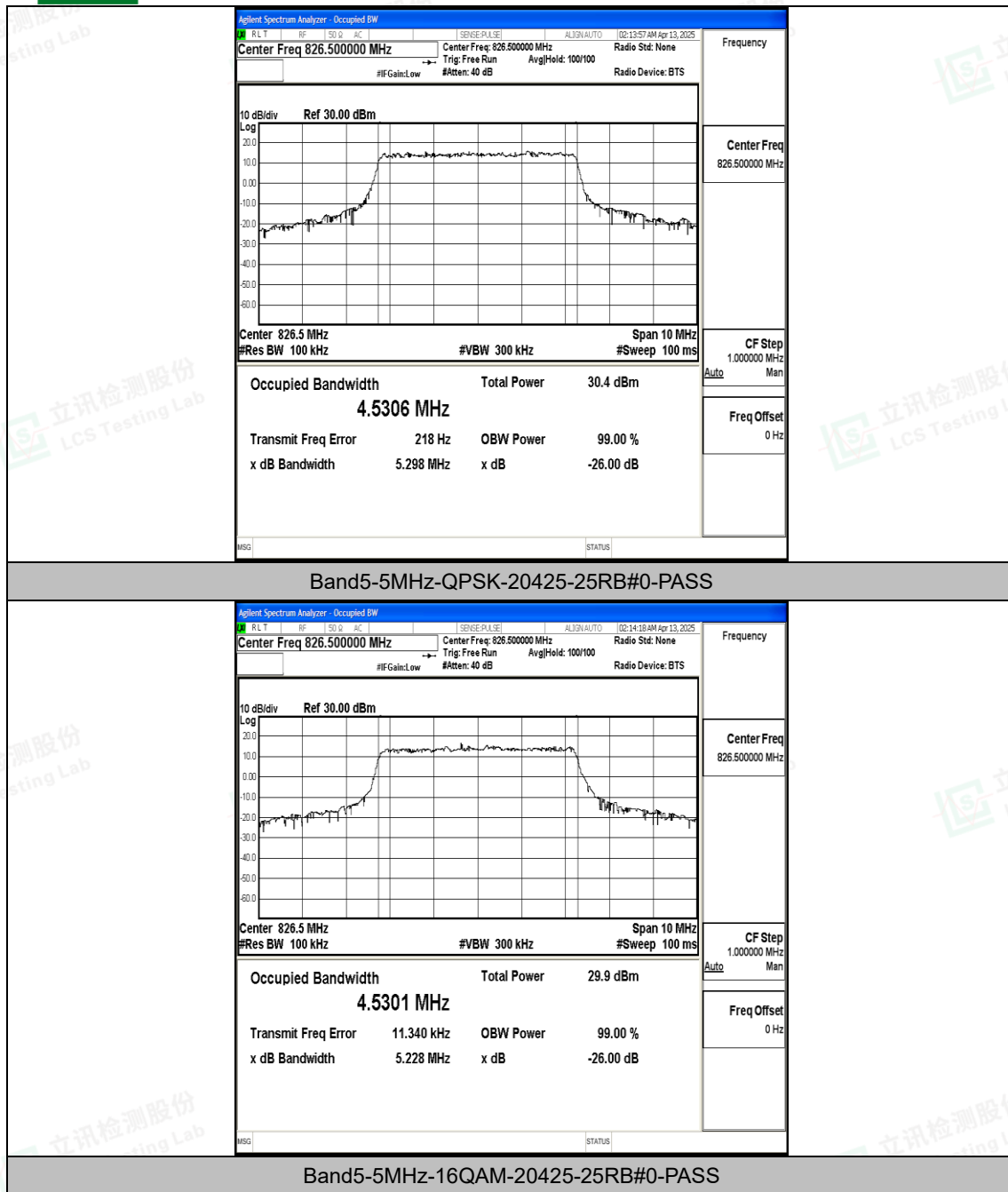


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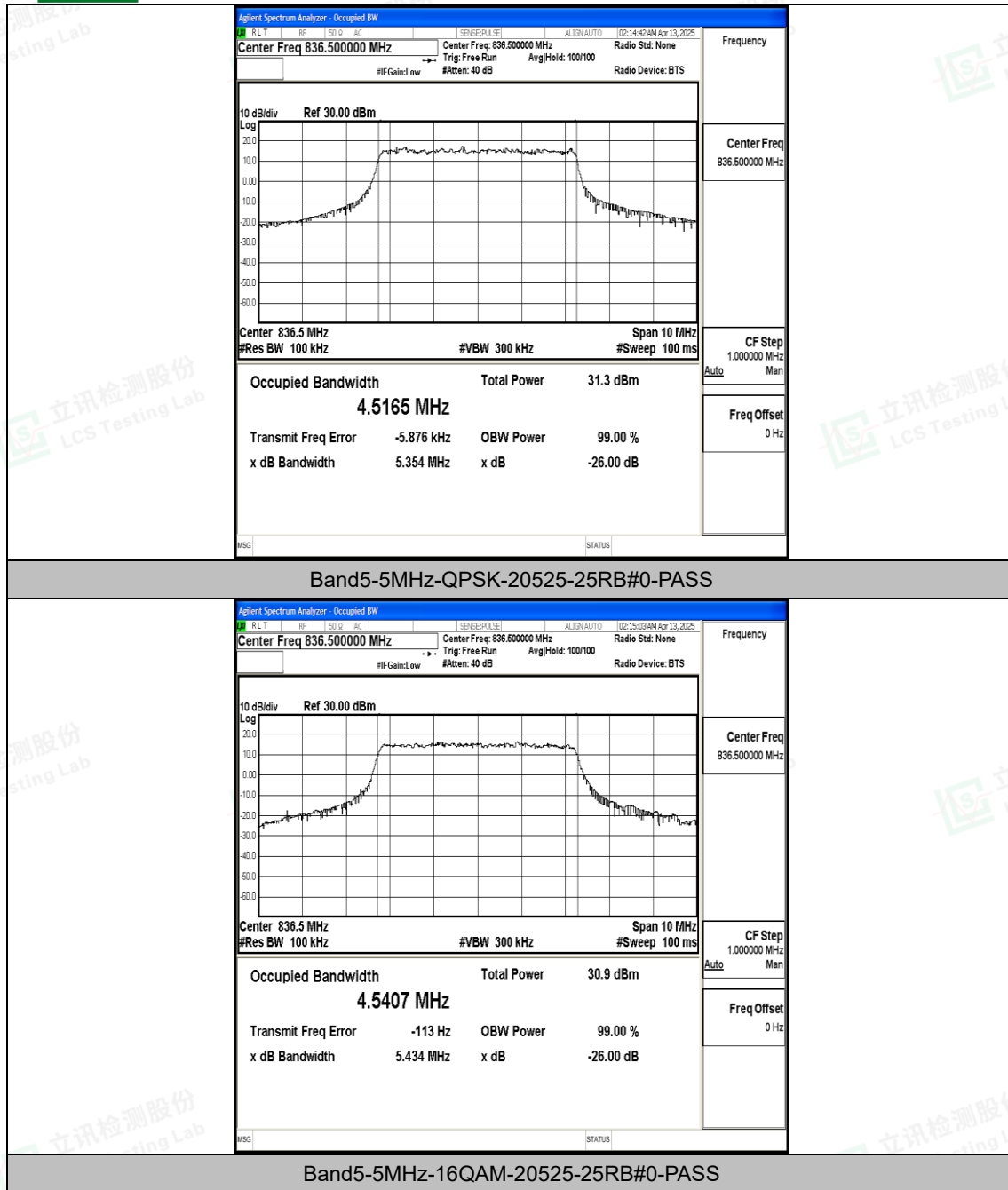


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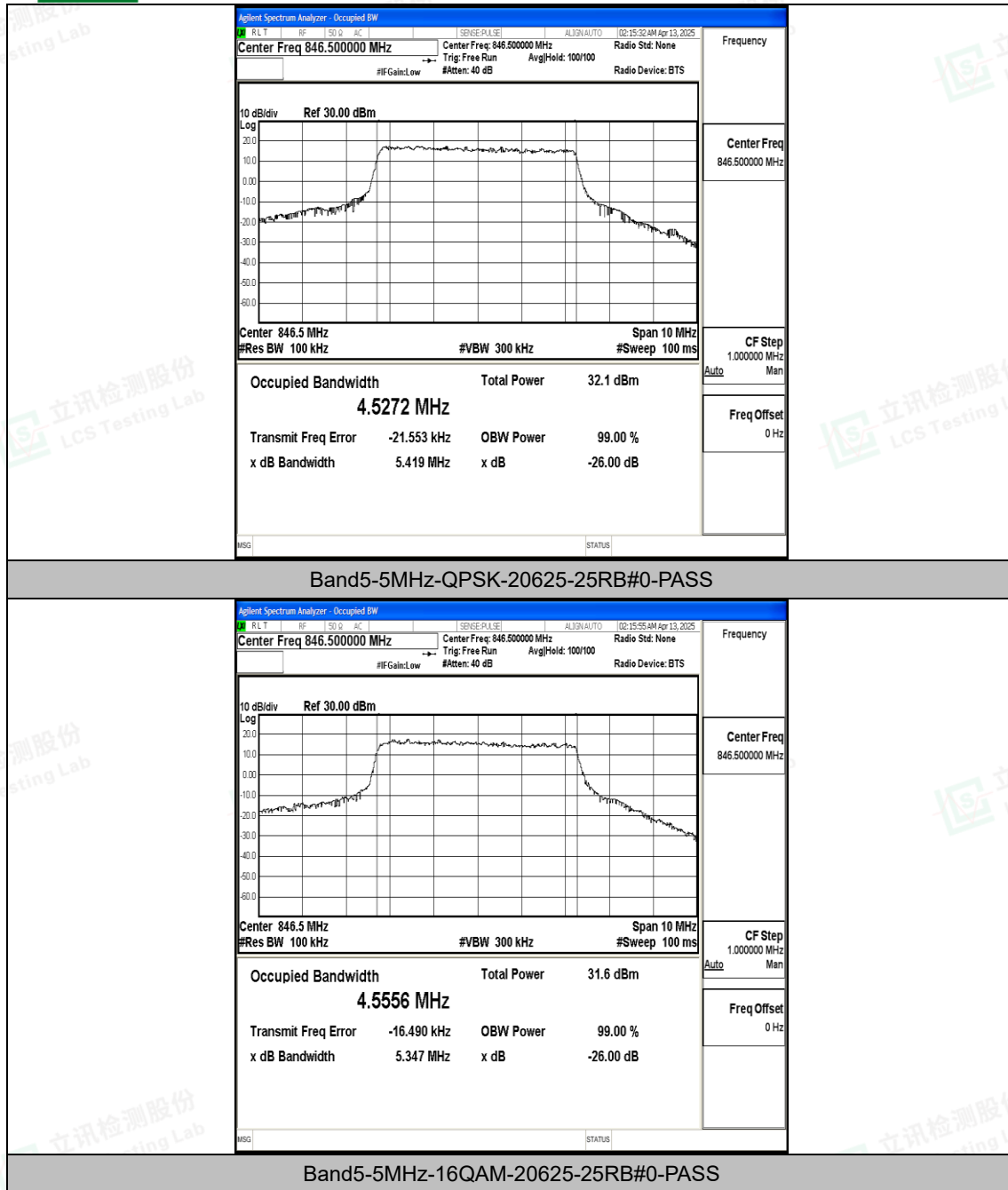


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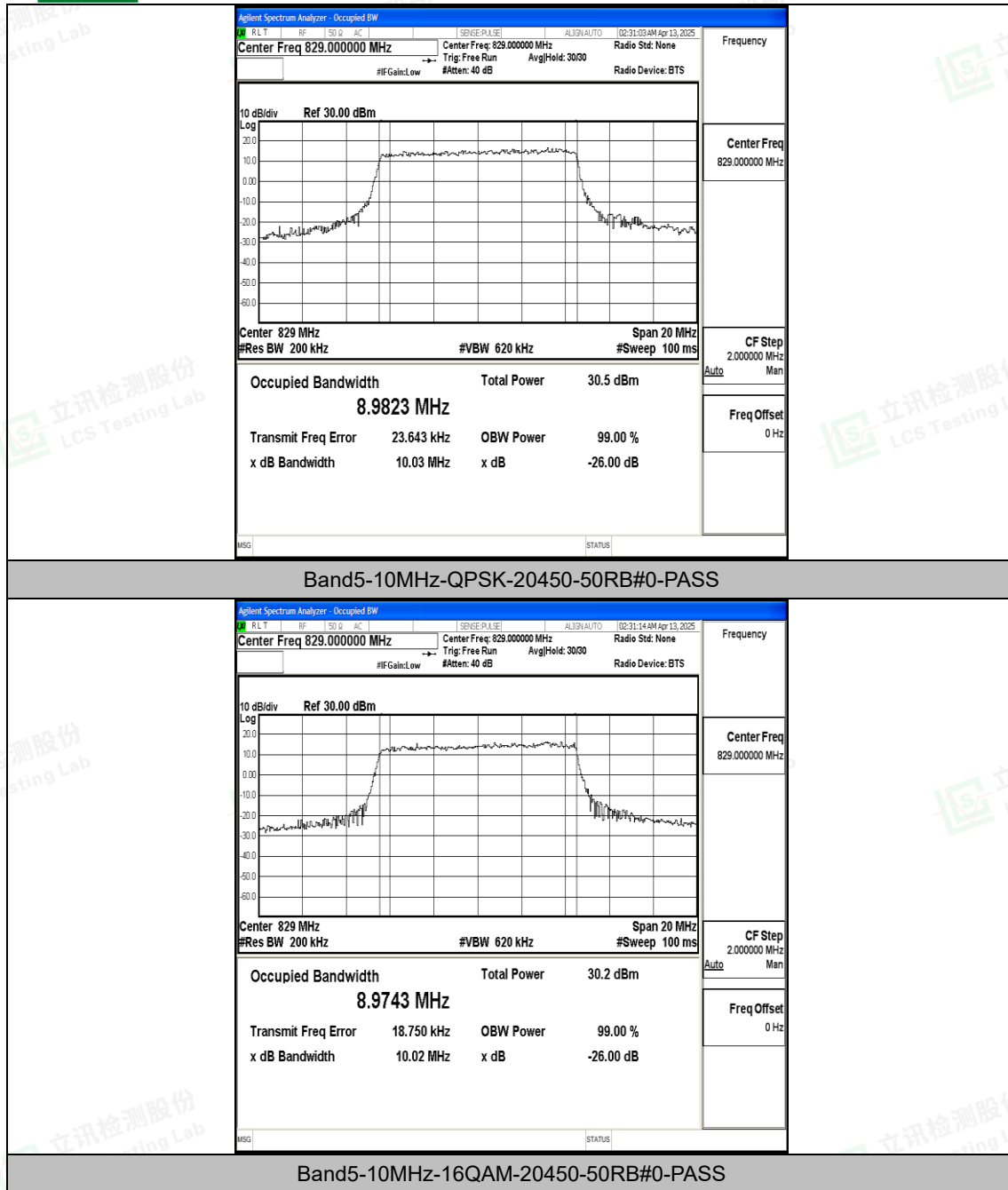


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