



Appendix J: Test Data for E-UTRA Band 5

Product Name: Smart Feature Phone

Test Model: E3 Pro

Environmental Conditions

Temperature:	24.2°C
Relative Humidity:	53.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Jerry Chu
Supervised by:	Can Kun



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J.1 Conducted Output Power Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	23.38	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	21.99	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	23.32	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	22.17	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	23.28	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	21.98	PASS
Band5	1.4MHz	QPSK	20407	3RB#0	23.24	PASS
Band5	1.4MHz	16QAM	20407	3RB#0	22.05	PASS
Band5	1.4MHz	QPSK	20407	3RB#1	23.24	PASS
Band5	1.4MHz	16QAM	20407	3RB#1	22.04	PASS
Band5	1.4MHz	QPSK	20407	3RB#3	23.27	PASS
Band5	1.4MHz	16QAM	20407	3RB#3	22.07	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	22.27	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	21.12	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	23.23	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	21.94	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	23.25	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	22.09	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	23.22	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	21.93	PASS
Band5	1.4MHz	QPSK	20525	3RB#0	23.29	PASS
Band5	1.4MHz	16QAM	20525	3RB#0	22.04	PASS
Band5	1.4MHz	QPSK	20525	3RB#1	23.25	PASS
Band5	1.4MHz	16QAM	20525	3RB#1	22.01	PASS
Band5	1.4MHz	QPSK	20525	3RB#3	23.28	PASS
Band5	1.4MHz	16QAM	20525	3RB#3	22.01	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	22.32	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	21.27	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	23.15	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	22.01	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	23.25	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	22.17	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	23.12	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	22.00	PASS
Band5	1.4MHz	QPSK	20643	3RB#0	23.25	PASS
Band5	1.4MHz	16QAM	20643	3RB#0	22.02	PASS



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Band5	1.4MHz	QPSK	20643	3RB#1	23.25	PASS
Band5	1.4MHz	16QAM	20643	3RB#1	22.04	PASS
Band5	1.4MHz	QPSK	20643	3RB#3	23.21	PASS
Band5	1.4MHz	16QAM	20643	3RB#3	22.02	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	22.28	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	21.28	PASS
Band5	3MHz	QPSK	20415	1RB#0	23.14	PASS
Band5	3MHz	16QAM	20415	1RB#0	22.16	PASS
Band5	3MHz	QPSK	20415	1RB#8	23.18	PASS
Band5	3MHz	16QAM	20415	1RB#8	22.21	PASS
Band5	3MHz	QPSK	20415	1RB#14	23.23	PASS
Band5	3MHz	16QAM	20415	1RB#14	22.19	PASS
Band5	3MHz	QPSK	20415	8RB#0	22.25	PASS
Band5	3MHz	16QAM	20415	8RB#0	21.24	PASS
Band5	3MHz	QPSK	20415	8RB#4	22.23	PASS
Band5	3MHz	16QAM	20415	8RB#4	21.26	PASS
Band5	3MHz	QPSK	20415	8RB#7	22.22	PASS
Band5	3MHz	16QAM	20415	8RB#7	21.24	PASS
Band5	3MHz	QPSK	20415	15RB#0	22.18	PASS
Band5	3MHz	16QAM	20415	15RB#0	21.20	PASS
Band5	3MHz	QPSK	20525	1RB#0	23.26	PASS
Band5	3MHz	16QAM	20525	1RB#0	22.07	PASS
Band5	3MHz	QPSK	20525	1RB#8	23.29	PASS
Band5	3MHz	16QAM	20525	1RB#8	22.08	PASS
Band5	3MHz	QPSK	20525	1RB#14	23.26	PASS
Band5	3MHz	16QAM	20525	1RB#14	22.06	PASS
Band5	3MHz	QPSK	20525	8RB#0	22.26	PASS
Band5	3MHz	16QAM	20525	8RB#0	21.26	PASS
Band5	3MHz	QPSK	20525	8RB#4	22.23	PASS
Band5	3MHz	16QAM	20525	8RB#4	21.22	PASS
Band5	3MHz	QPSK	20525	8RB#7	22.21	PASS
Band5	3MHz	16QAM	20525	8RB#7	21.20	PASS
Band5	3MHz	QPSK	20525	15RB#0	22.21	PASS
Band5	3MHz	16QAM	20525	15RB#0	21.17	PASS
Band5	3MHz	QPSK	20635	1RB#0	23.27	PASS
Band5	3MHz	16QAM	20635	1RB#0	21.95	PASS
Band5	3MHz	QPSK	20635	1RB#8	23.21	PASS
Band5	3MHz	16QAM	20635	1RB#8	22.00	PASS
Band5	3MHz	QPSK	20635	1RB#14	23.12	PASS
Band5	3MHz	16QAM	20635	1RB#14	21.95	PASS



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Band5	3MHz	QPSK	20635	8RB#0	22.27	PASS
Band5	3MHz	16QAM	20635	8RB#0	21.29	PASS
Band5	3MHz	QPSK	20635	8RB#4	22.27	PASS
Band5	3MHz	16QAM	20635	8RB#4	21.27	PASS
Band5	3MHz	QPSK	20635	8RB#7	22.26	PASS
Band5	3MHz	16QAM	20635	8RB#7	21.24	PASS
Band5	3MHz	QPSK	20635	15RB#0	22.17	PASS
Band5	3MHz	16QAM	20635	15RB#0	21.17	PASS
Band5	5MHz	QPSK	20425	1RB#0	23.08	PASS
Band5	5MHz	16QAM	20425	1RB#0	21.97	PASS
Band5	5MHz	QPSK	20425	1RB#12	23.32	PASS
Band5	5MHz	16QAM	20425	1RB#12	22.17	PASS
Band5	5MHz	QPSK	20425	1RB#24	23.17	PASS
Band5	5MHz	16QAM	20425	1RB#24	22.05	PASS
Band5	5MHz	QPSK	20425	12RB#0	22.17	PASS
Band5	5MHz	16QAM	20425	12RB#0	21.15	PASS
Band5	5MHz	QPSK	20425	12RB#6	22.17	PASS
Band5	5MHz	16QAM	20425	12RB#6	21.18	PASS
Band5	5MHz	QPSK	20425	12RB#13	22.19	PASS
Band5	5MHz	16QAM	20425	12RB#13	21.16	PASS
Band5	5MHz	QPSK	20425	25RB#0	22.16	PASS
Band5	5MHz	16QAM	20425	25RB#0	21.19	PASS
Band5	5MHz	QPSK	20525	1RB#0	23.13	PASS
Band5	5MHz	16QAM	20525	1RB#0	22.12	PASS
Band5	5MHz	QPSK	20525	1RB#12	23.29	PASS
Band5	5MHz	16QAM	20525	1RB#12	22.31	PASS
Band5	5MHz	QPSK	20525	1RB#24	23.13	PASS
Band5	5MHz	16QAM	20525	1RB#24	22.12	PASS
Band5	5MHz	QPSK	20525	12RB#0	22.26	PASS
Band5	5MHz	16QAM	20525	12RB#0	21.29	PASS
Band5	5MHz	QPSK	20525	12RB#6	22.21	PASS
Band5	5MHz	16QAM	20525	12RB#6	21.28	PASS
Band5	5MHz	QPSK	20525	12RB#13	22.14	PASS
Band5	5MHz	16QAM	20525	12RB#13	21.17	PASS
Band5	5MHz	QPSK	20525	25RB#0	22.19	PASS
Band5	5MHz	16QAM	20525	25RB#0	21.15	PASS
Band5	5MHz	QPSK	20625	1RB#0	23.20	PASS
Band5	5MHz	16QAM	20625	1RB#0	22.04	PASS
Band5	5MHz	QPSK	20625	1RB#12	23.31	PASS
Band5	5MHz	16QAM	20625	1RB#12	22.15	PASS



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Band5	5MHz	QPSK	20625	1RB#24	23.07	PASS
Band5	5MHz	16QAM	20625	1RB#24	21.96	PASS
Band5	5MHz	QPSK	20625	12RB#0	22.19	PASS
Band5	5MHz	16QAM	20625	12RB#0	21.25	PASS
Band5	5MHz	QPSK	20625	12RB#6	22.21	PASS
Band5	5MHz	16QAM	20625	12RB#6	21.28	PASS
Band5	5MHz	QPSK	20625	12RB#13	22.15	PASS
Band5	5MHz	16QAM	20625	12RB#13	21.20	PASS
Band5	5MHz	QPSK	20625	25RB#0	22.19	PASS
Band5	5MHz	16QAM	20625	25RB#0	21.26	PASS
Band5	10MHz	QPSK	20450	1RB#0	23.13	PASS
Band5	10MHz	16QAM	20450	1RB#0	22.16	PASS
Band5	10MHz	QPSK	20450	1RB#24	23.37	PASS
Band5	10MHz	16QAM	20450	1RB#24	22.34	PASS
Band5	10MHz	QPSK	20450	1RB#49	23.18	PASS
Band5	10MHz	16QAM	20450	1RB#49	22.18	PASS
Band5	10MHz	QPSK	20450	25RB#0	22.26	PASS
Band5	10MHz	16QAM	20450	25RB#0	21.24	PASS
Band5	10MHz	QPSK	20450	25RB#12	22.26	PASS
Band5	10MHz	16QAM	20450	25RB#12	21.24	PASS
Band5	10MHz	QPSK	20450	25RB#25	22.23	PASS
Band5	10MHz	16QAM	20450	25RB#25	21.17	PASS
Band5	10MHz	QPSK	20450	50RB#0	22.22	PASS
Band5	10MHz	16QAM	20450	50RB#0	21.25	PASS
Band5	10MHz	QPSK	20525	1RB#0	23.27	PASS
Band5	10MHz	16QAM	20525	1RB#0	22.03	PASS
Band5	10MHz	QPSK	20525	1RB#24	23.38	PASS
Band5	10MHz	16QAM	20525	1RB#24	22.16	PASS
Band5	10MHz	QPSK	20525	1RB#49	23.24	PASS
Band5	10MHz	16QAM	20525	1RB#49	22.01	PASS
Band5	10MHz	QPSK	20525	25RB#0	22.26	PASS
Band5	10MHz	16QAM	20525	25RB#0	21.24	PASS
Band5	10MHz	QPSK	20525	25RB#12	22.23	PASS
Band5	10MHz	16QAM	20525	25RB#12	21.26	PASS
Band5	10MHz	QPSK	20525	25RB#25	22.24	PASS
Band5	10MHz	16QAM	20525	25RB#25	21.26	PASS
Band5	10MHz	QPSK	20525	50RB#0	22.23	PASS
Band5	10MHz	16QAM	20525	50RB#0	21.25	PASS
Band5	10MHz	QPSK	20600	1RB#0	23.20	PASS
Band5	10MHz	16QAM	20600	1RB#0	21.90	PASS



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Band5	10MHz	QPSK	20600	1RB#24	23.33	PASS
Band5	10MHz	16QAM	20600	1RB#24	22.15	PASS
Band5	10MHz	QPSK	20600	1RB#49	23.12	PASS
Band5	10MHz	16QAM	20600	1RB#49	21.96	PASS
Band5	10MHz	QPSK	20600	25RB#0	22.30	PASS
Band5	10MHz	16QAM	20600	25RB#0	21.31	PASS
Band5	10MHz	QPSK	20600	25RB#12	22.30	PASS
Band5	10MHz	16QAM	20600	25RB#12	21.34	PASS
Band5	10MHz	QPSK	20600	25RB#25	22.21	PASS
Band5	10MHz	16QAM	20600	25RB#25	21.24	PASS
Band5	10MHz	QPSK	20600	50RB#0	22.18	PASS
Band5	10MHz	16QAM	20600	50RB#0	21.22	PASS





J.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	3.66	13	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	4.78	13	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	4.94	13	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	5.74	13	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	4.08	13	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	5.10	13	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	5.20	13	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	5.98	13	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	3.51	13	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	4.57	13	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	4.97	13	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	5.73	13	PASS
Band5	3MHz	QPSK	20415	1RB#0	3.68	13	PASS
Band5	3MHz	16QAM	20415	1RB#0	4.56	13	PASS
Band5	3MHz	QPSK	20415	15RB#0	5.01	13	PASS
Band5	3MHz	16QAM	20415	15RB#0	5.81	13	PASS
Band5	3MHz	QPSK	20525	1RB#0	4.03	13	PASS
Band5	3MHz	16QAM	20525	1RB#0	5.03	13	PASS
Band5	3MHz	QPSK	20525	15RB#0	5.24	13	PASS
Band5	3MHz	16QAM	20525	15RB#0	5.99	13	PASS
Band5	3MHz	QPSK	20635	1RB#0	3.79	13	PASS
Band5	3MHz	16QAM	20635	1RB#0	4.94	13	PASS
Band5	3MHz	QPSK	20635	15RB#0	4.95	13	PASS
Band5	3MHz	16QAM	20635	15RB#0	5.79	13	PASS
Band5	5MHz	QPSK	20425	1RB#0	3.71	13	PASS
Band5	5MHz	16QAM	20425	1RB#0	4.58	13	PASS
Band5	5MHz	QPSK	20425	25RB#0	5.33	13	PASS
Band5	5MHz	16QAM	20425	25RB#0	5.98	13	PASS
Band5	5MHz	QPSK	20525	1RB#0	4.02	13	PASS
Band5	5MHz	16QAM	20525	1RB#0	4.84	13	PASS
Band5	5MHz	QPSK	20525	25RB#0	5.46	13	PASS
Band5	5MHz	16QAM	20525	25RB#0	6.09	13	PASS
Band5	5MHz	QPSK	20625	1RB#0	4.04	13	PASS
Band5	5MHz	16QAM	20625	1RB#0	4.97	13	PASS
Band5	5MHz	QPSK	20625	25RB#0	5.36	13	PASS
Band5	5MHz	16QAM	20625	25RB#0	6.03	13	PASS



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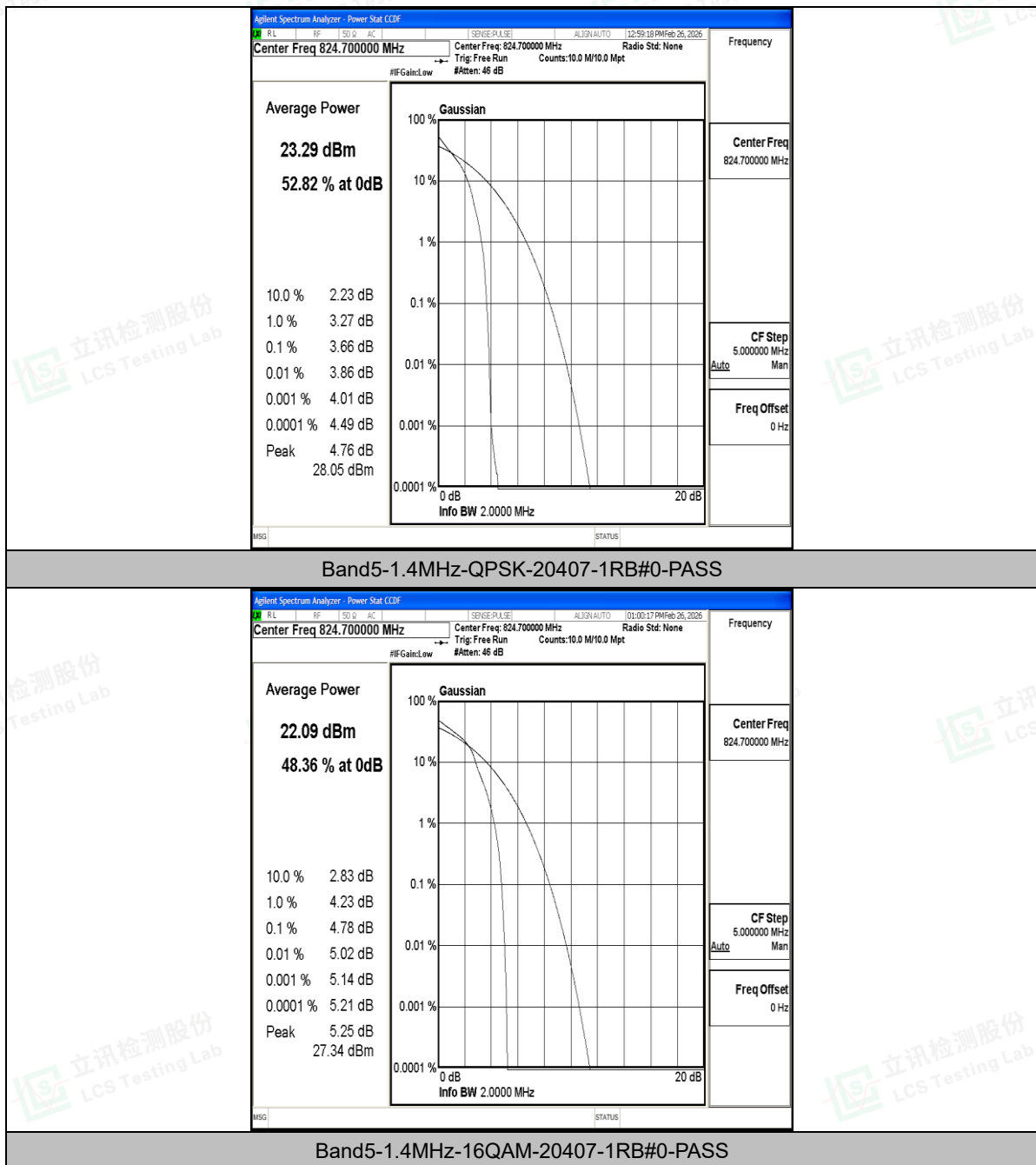
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Band5	10MHz	16QAM	20450	1RB#0	4.68	13	PASS
Band5	10MHz	QPSK	20450	50RB#0	5.33	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	6.03	13	PASS
Band5	10MHz	QPSK	20525	1RB#0	3.92	13	PASS
Band5	10MHz	16QAM	20525	1RB#0	4.96	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.38	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	6.11	13	PASS
Band5	10MHz	QPSK	20600	1RB#0	4.13	13	PASS
Band5	10MHz	16QAM	20600	1RB#0	5.13	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	5.36	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	6.11	13	PASS



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Test Graphs

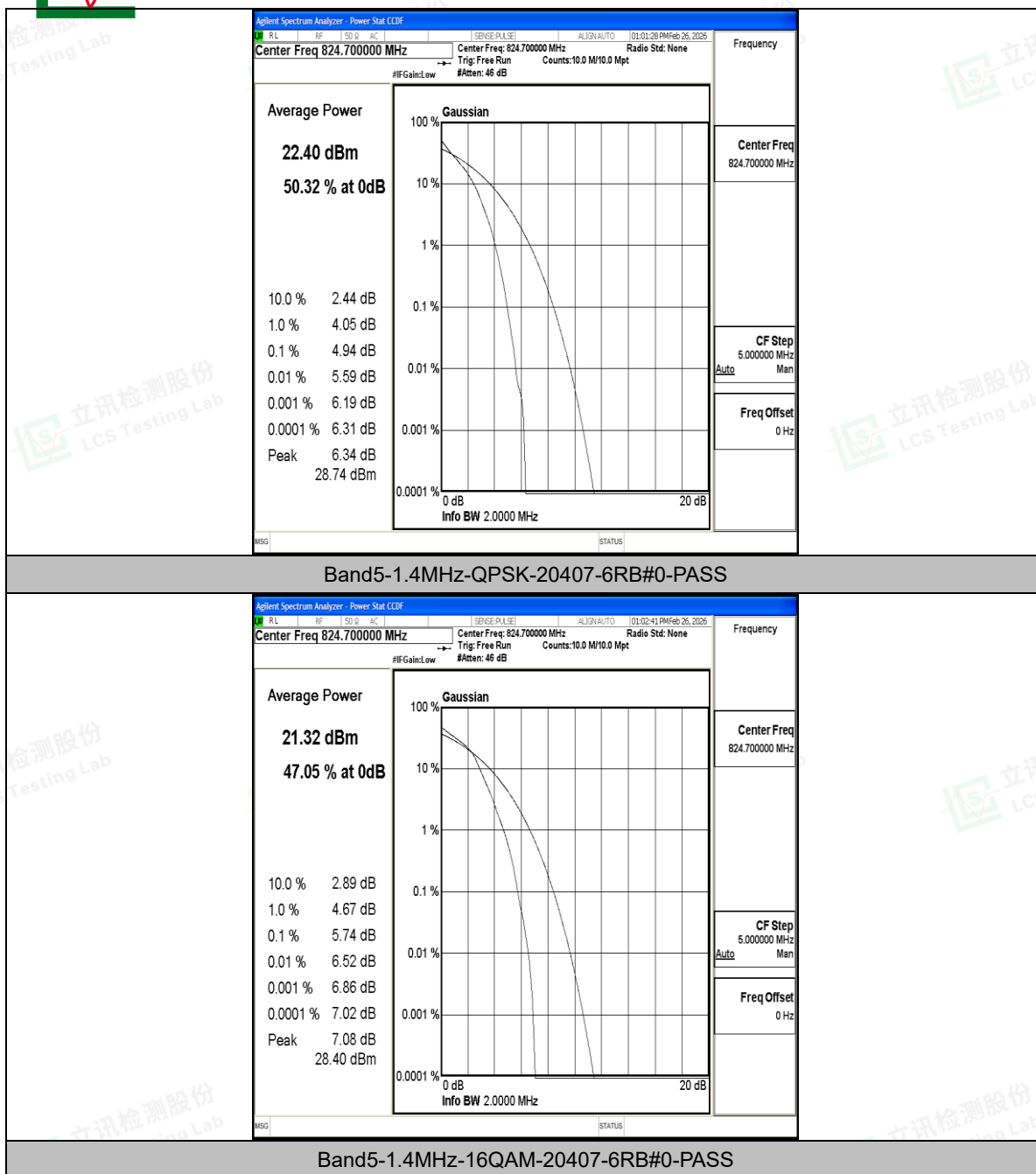


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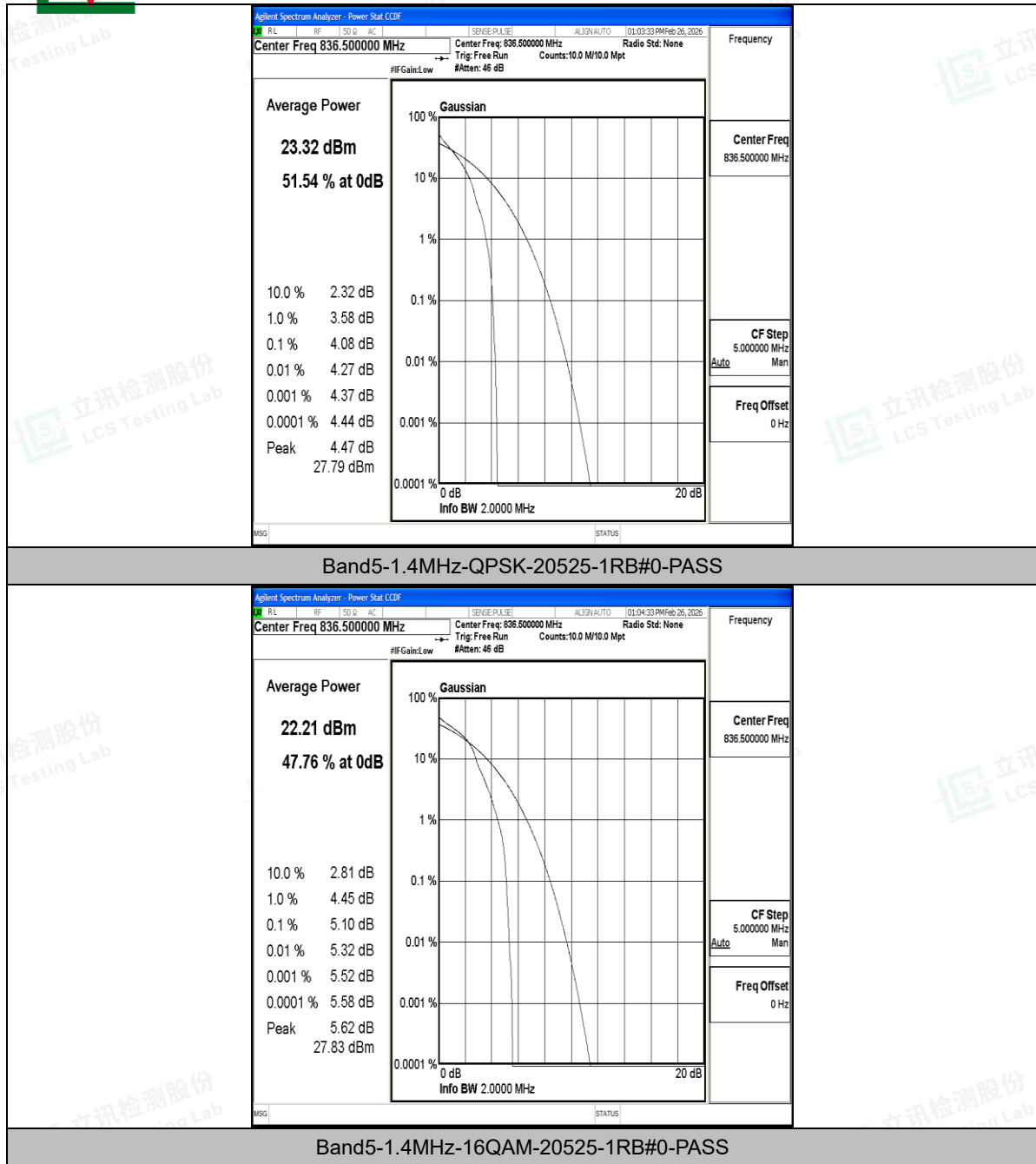


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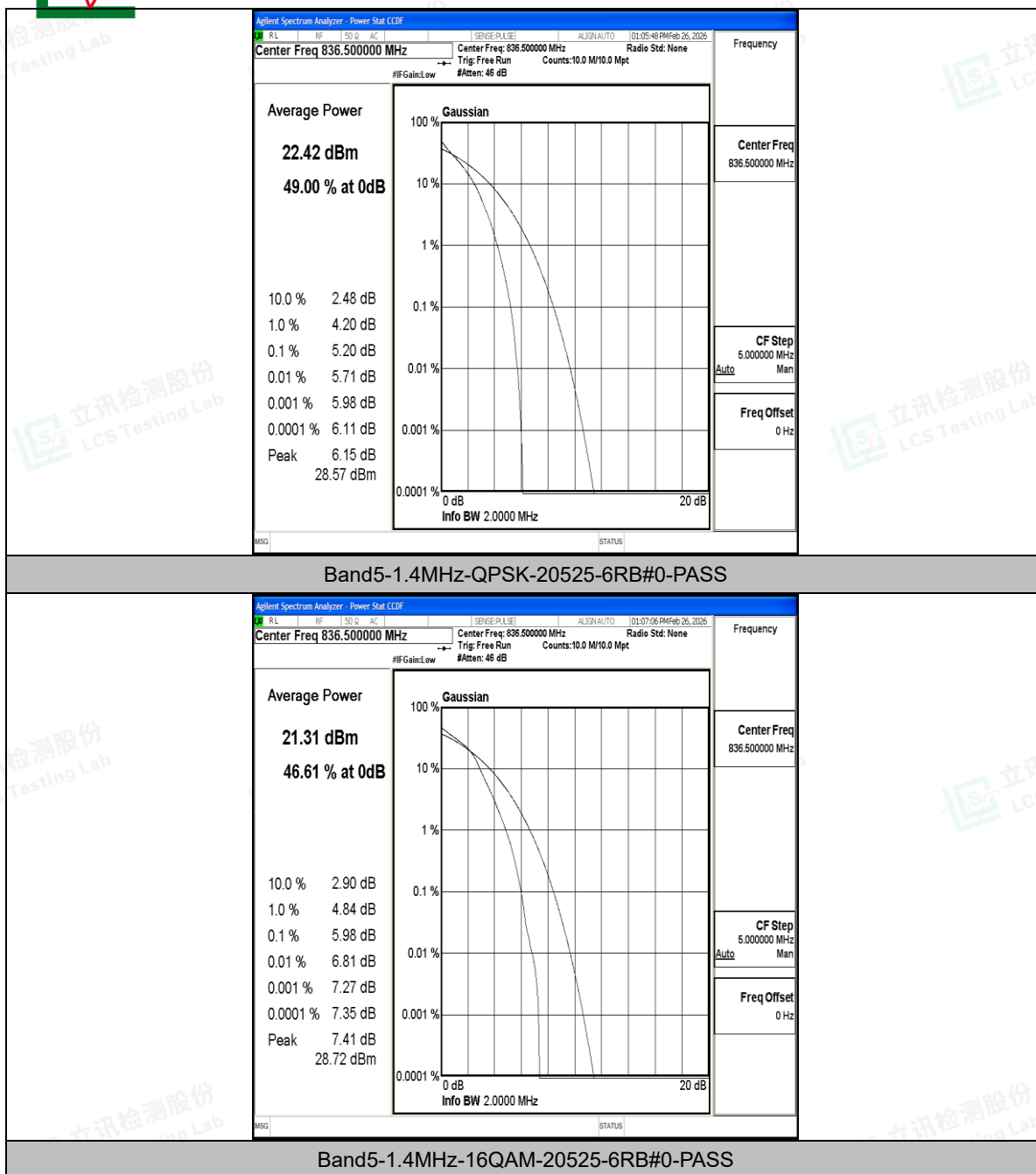


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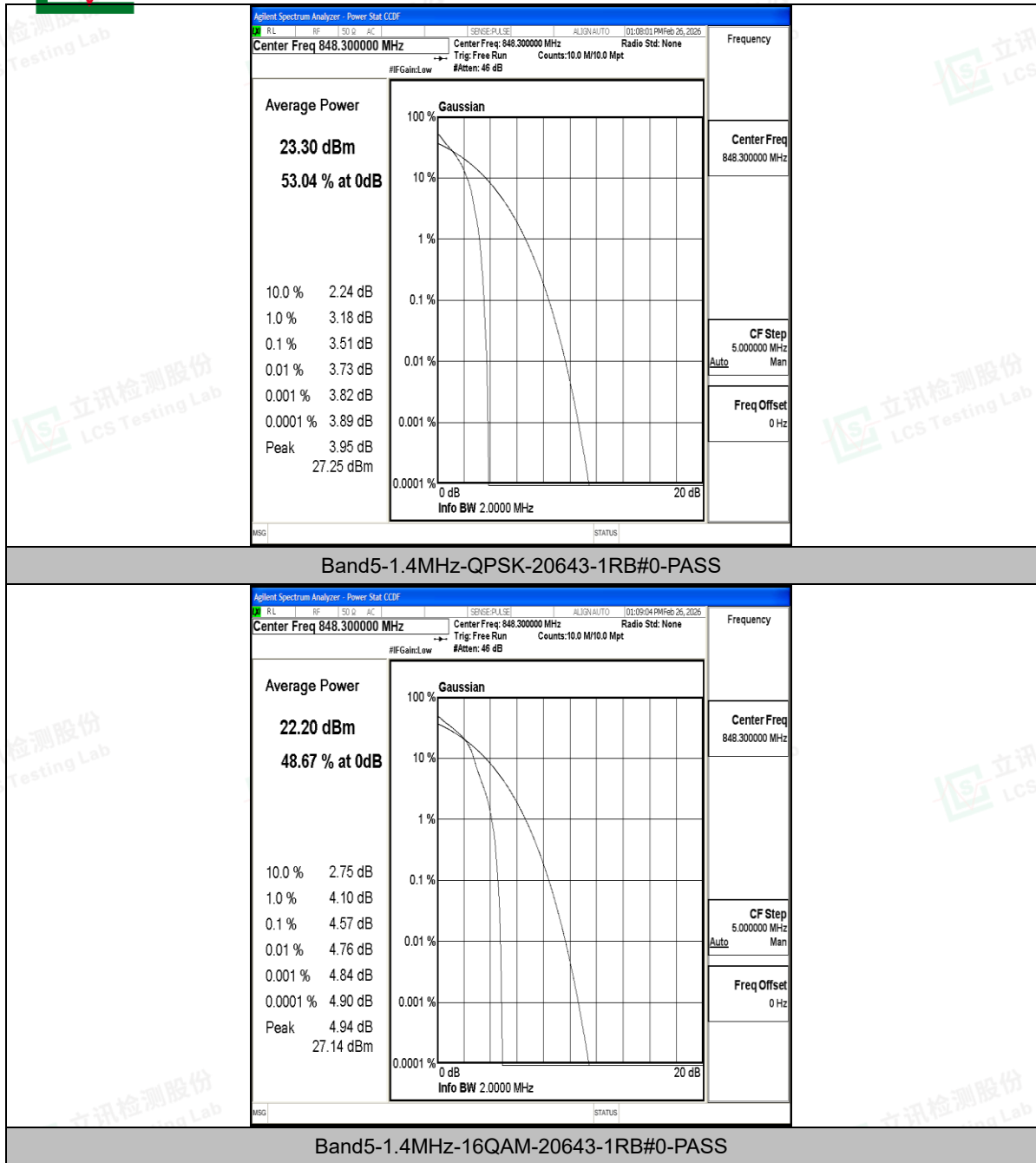


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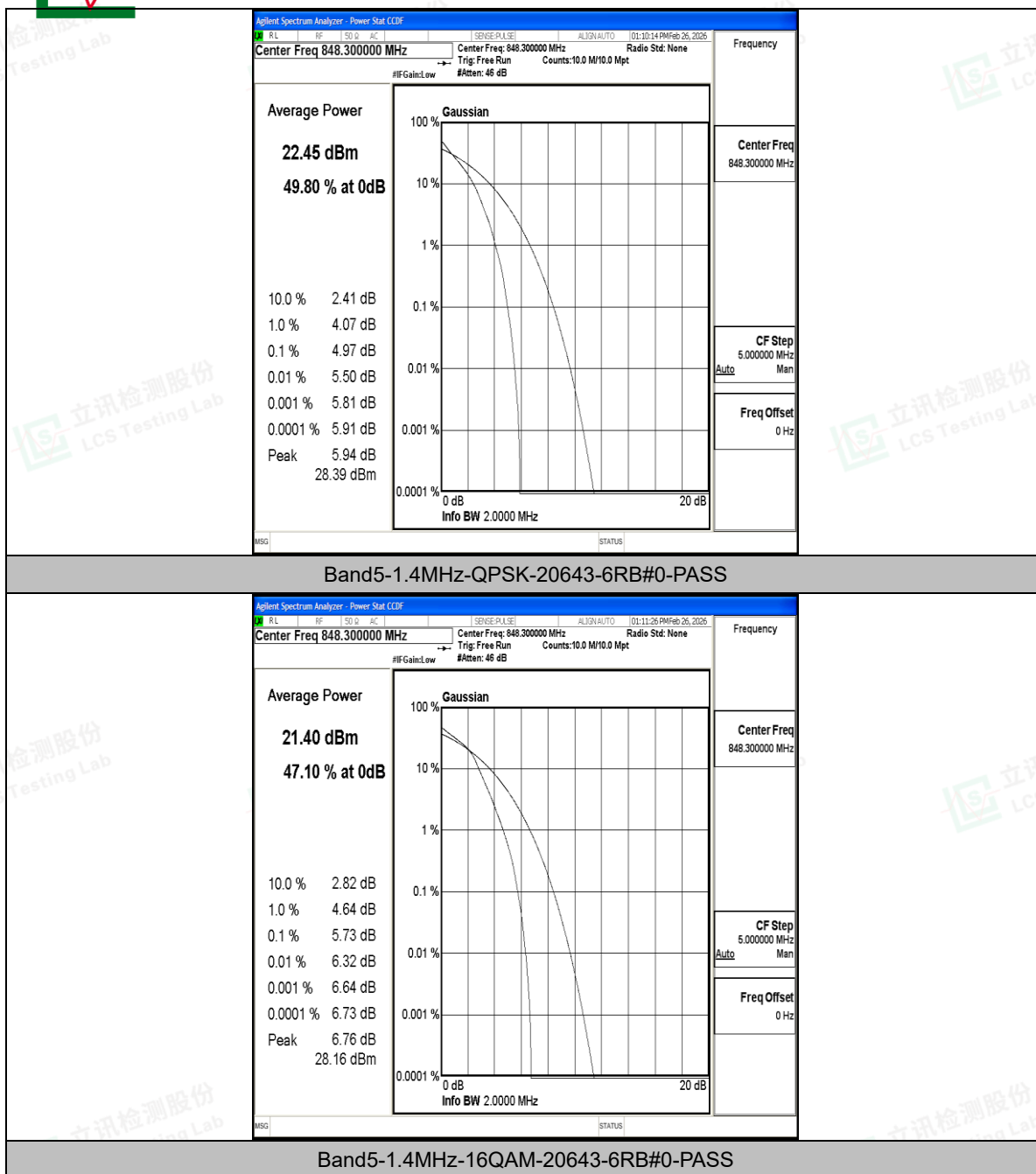


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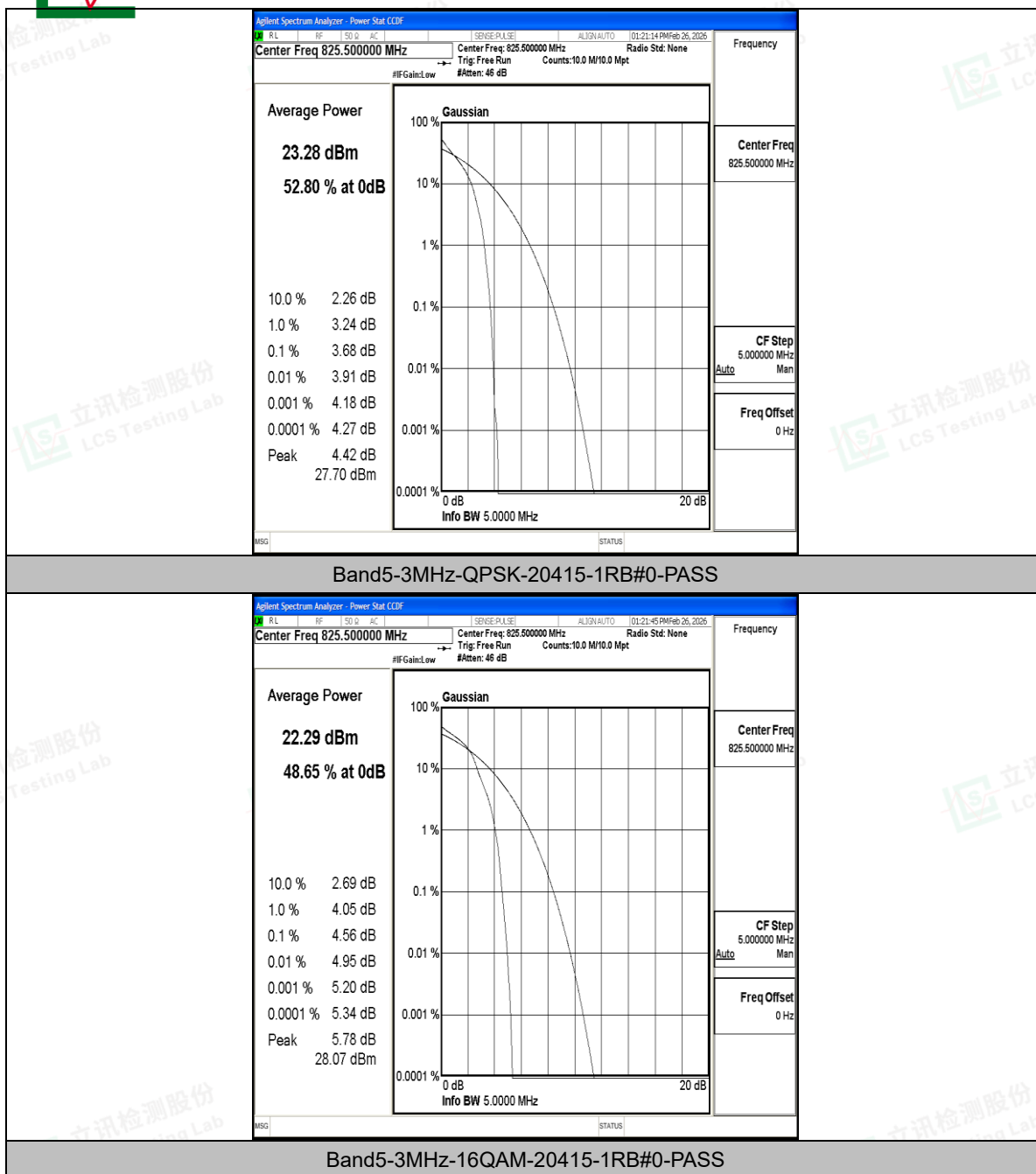


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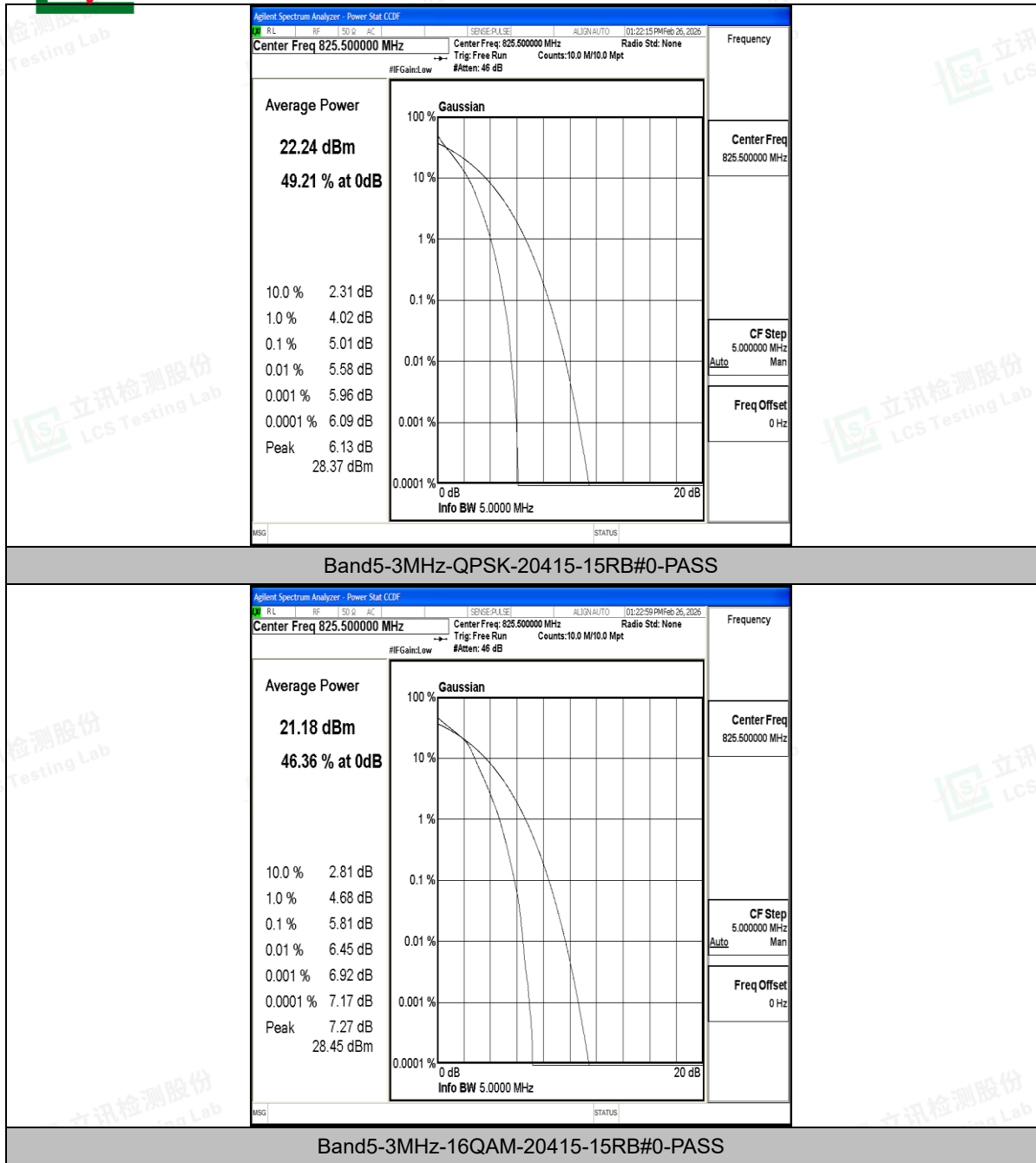


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Scan code to check authenticity

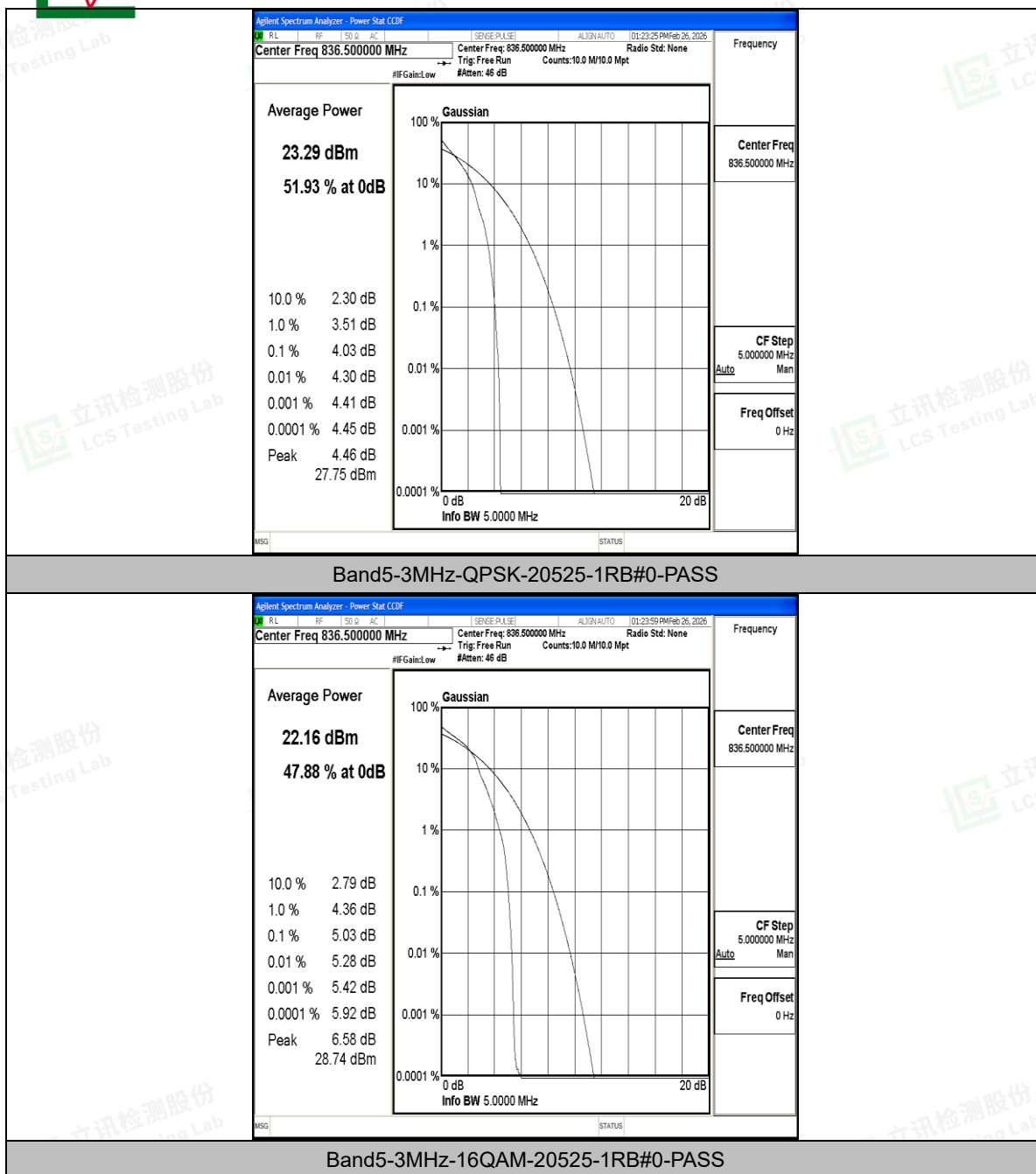


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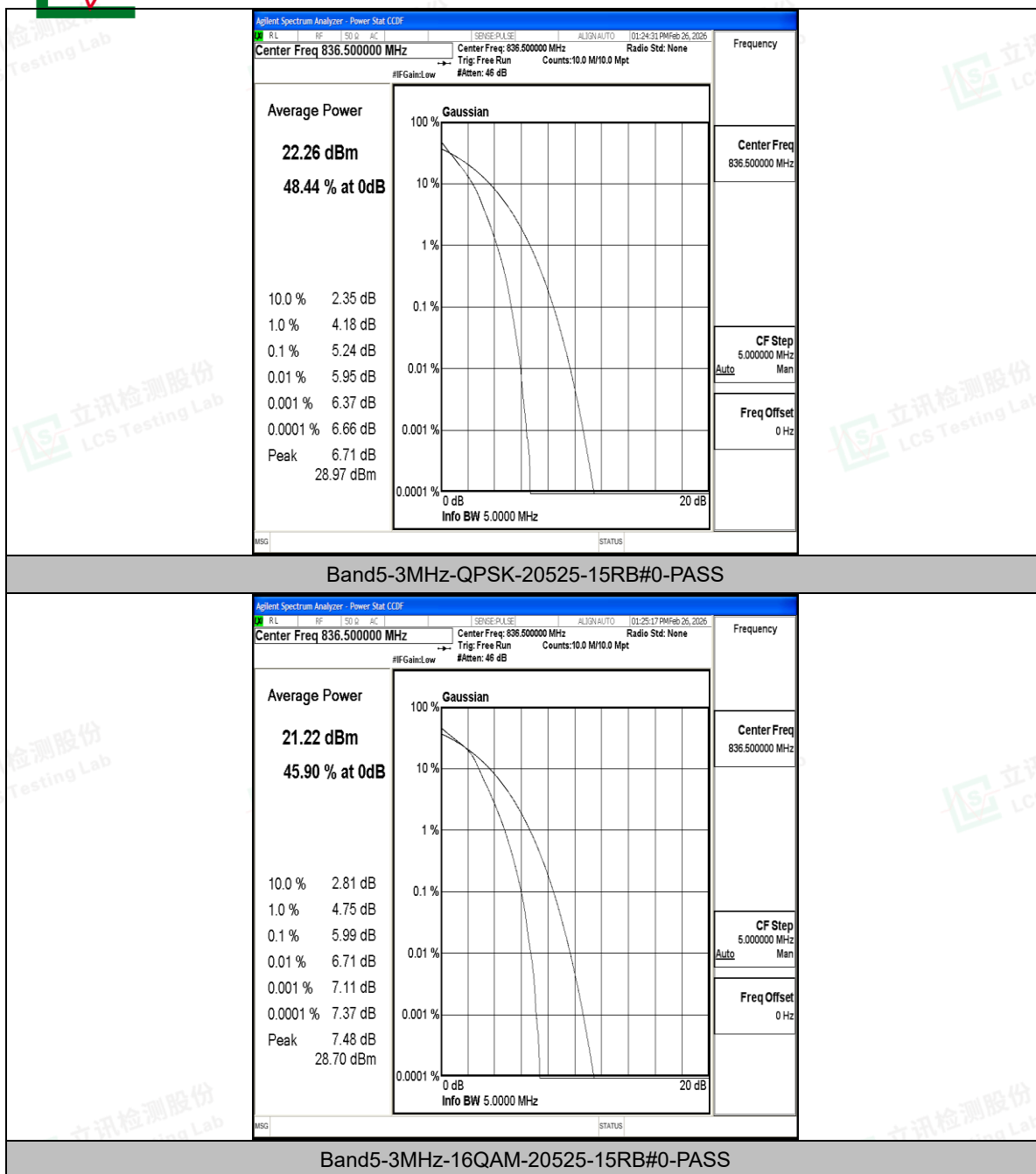


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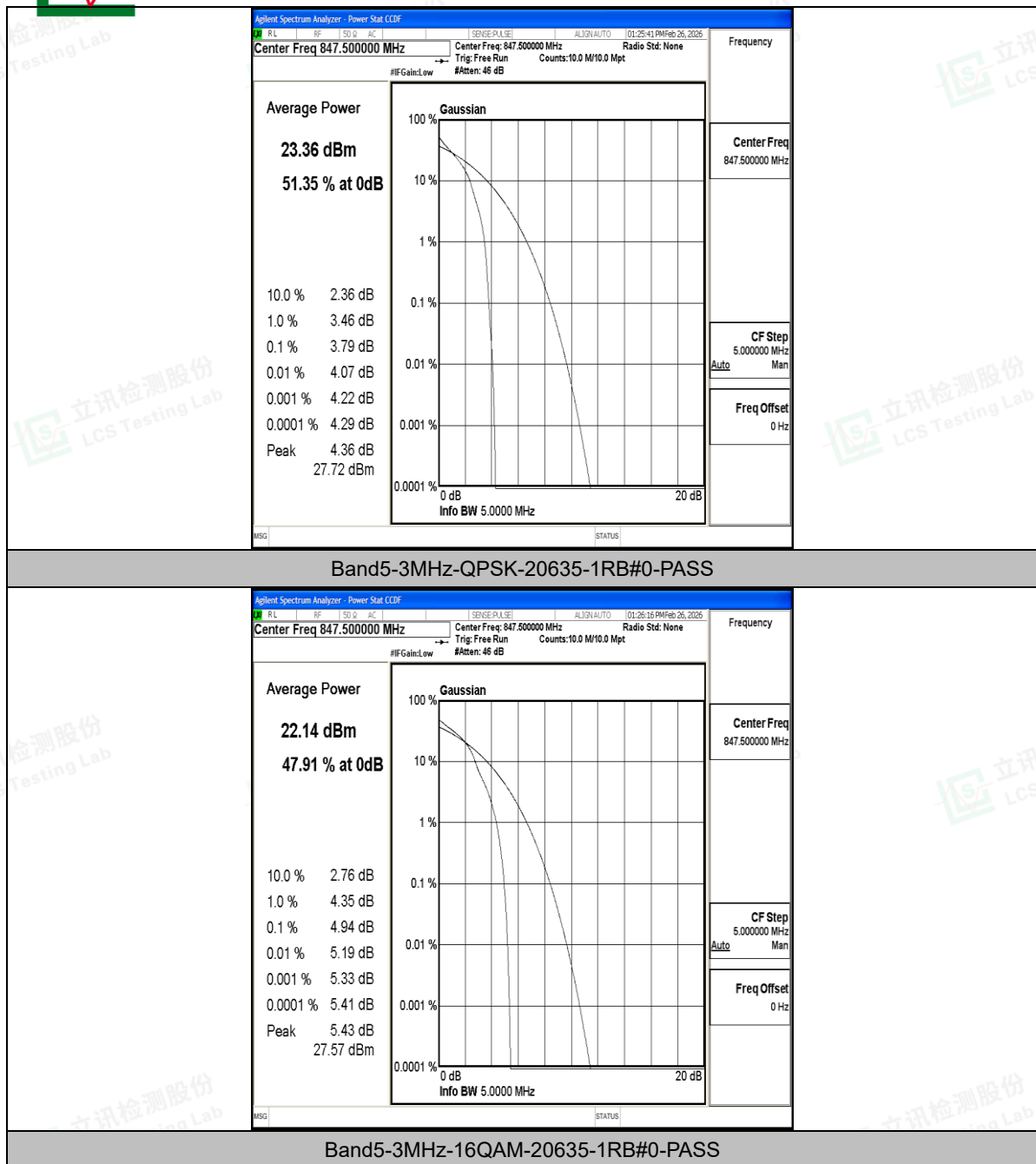


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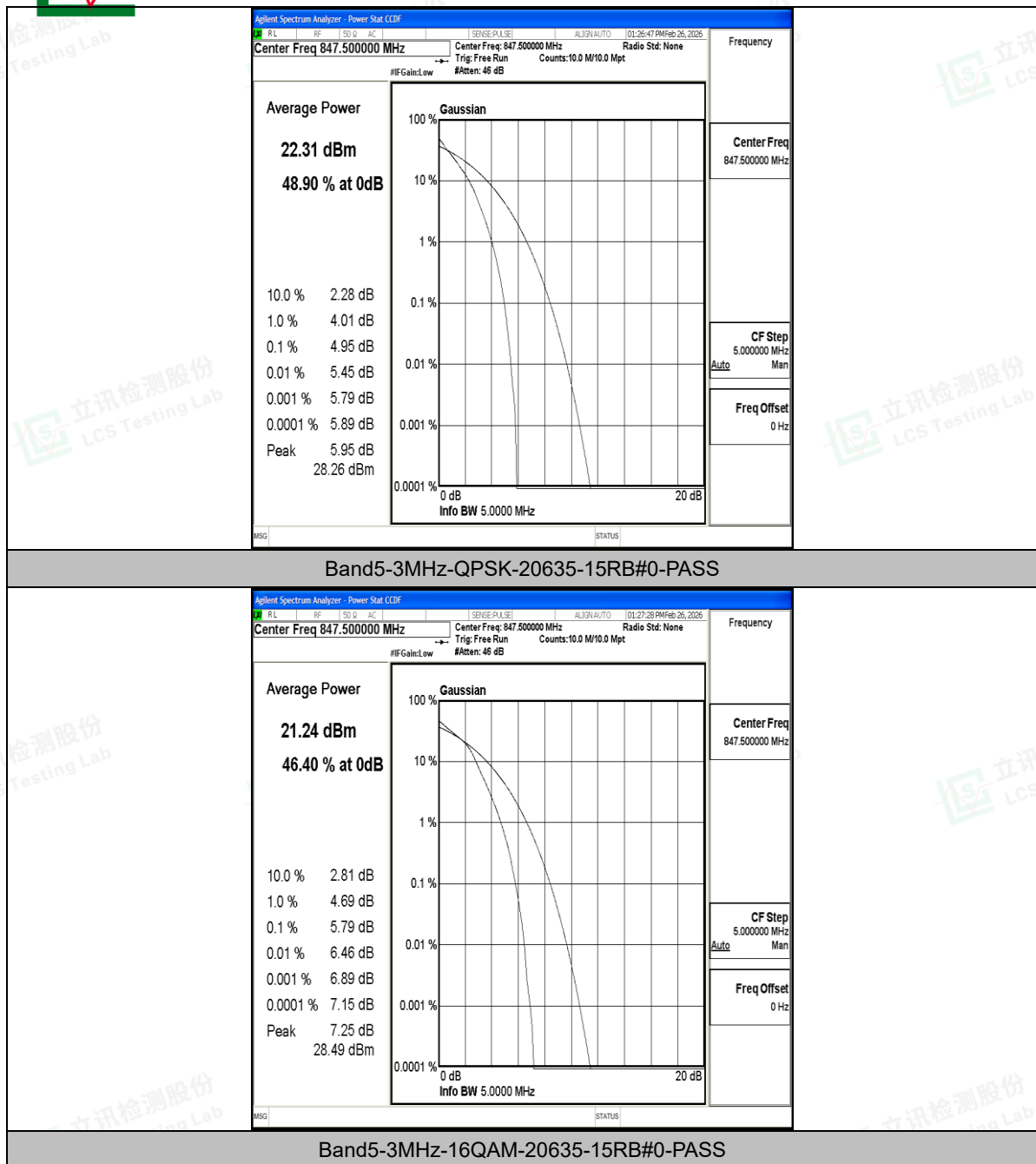


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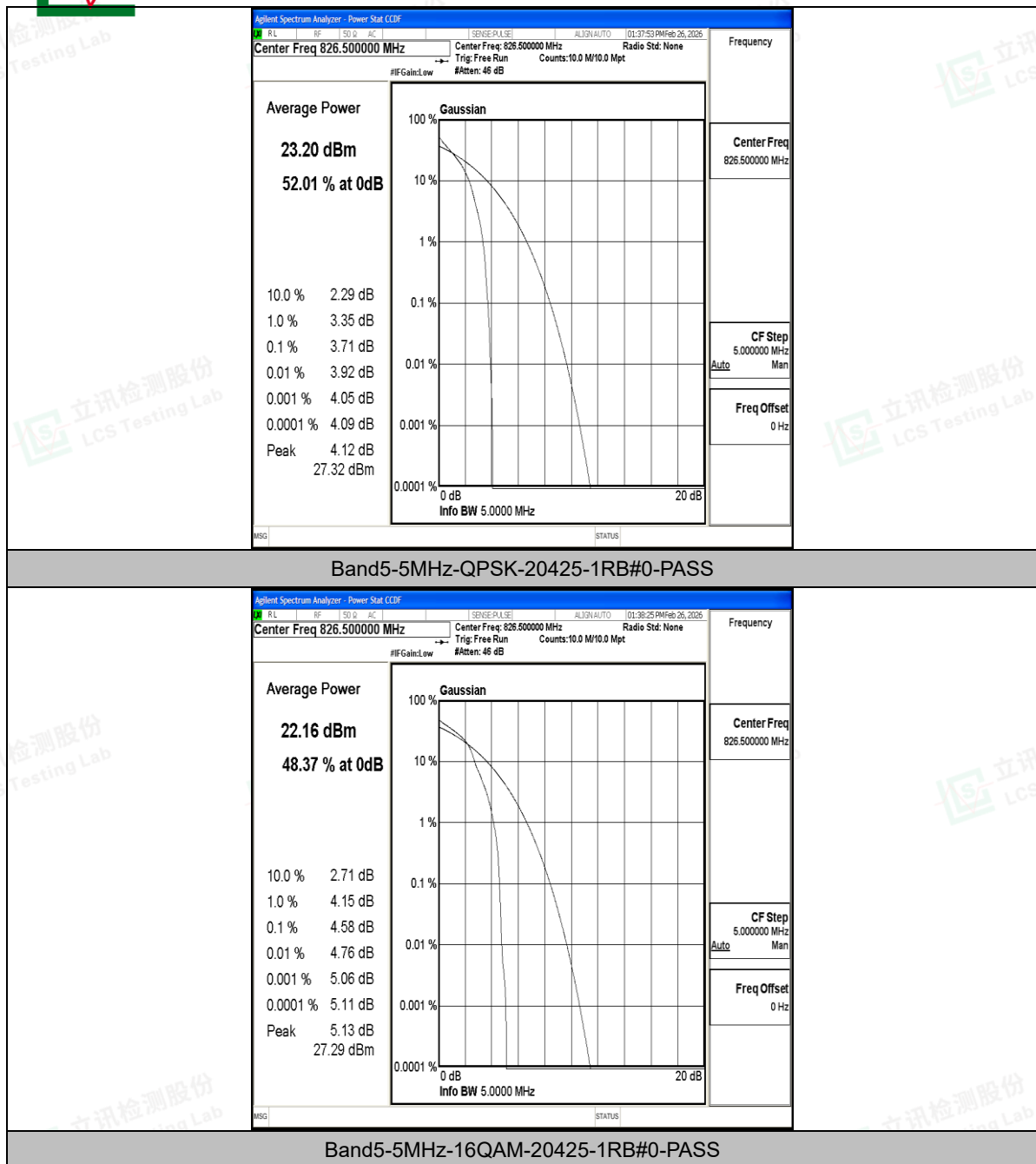


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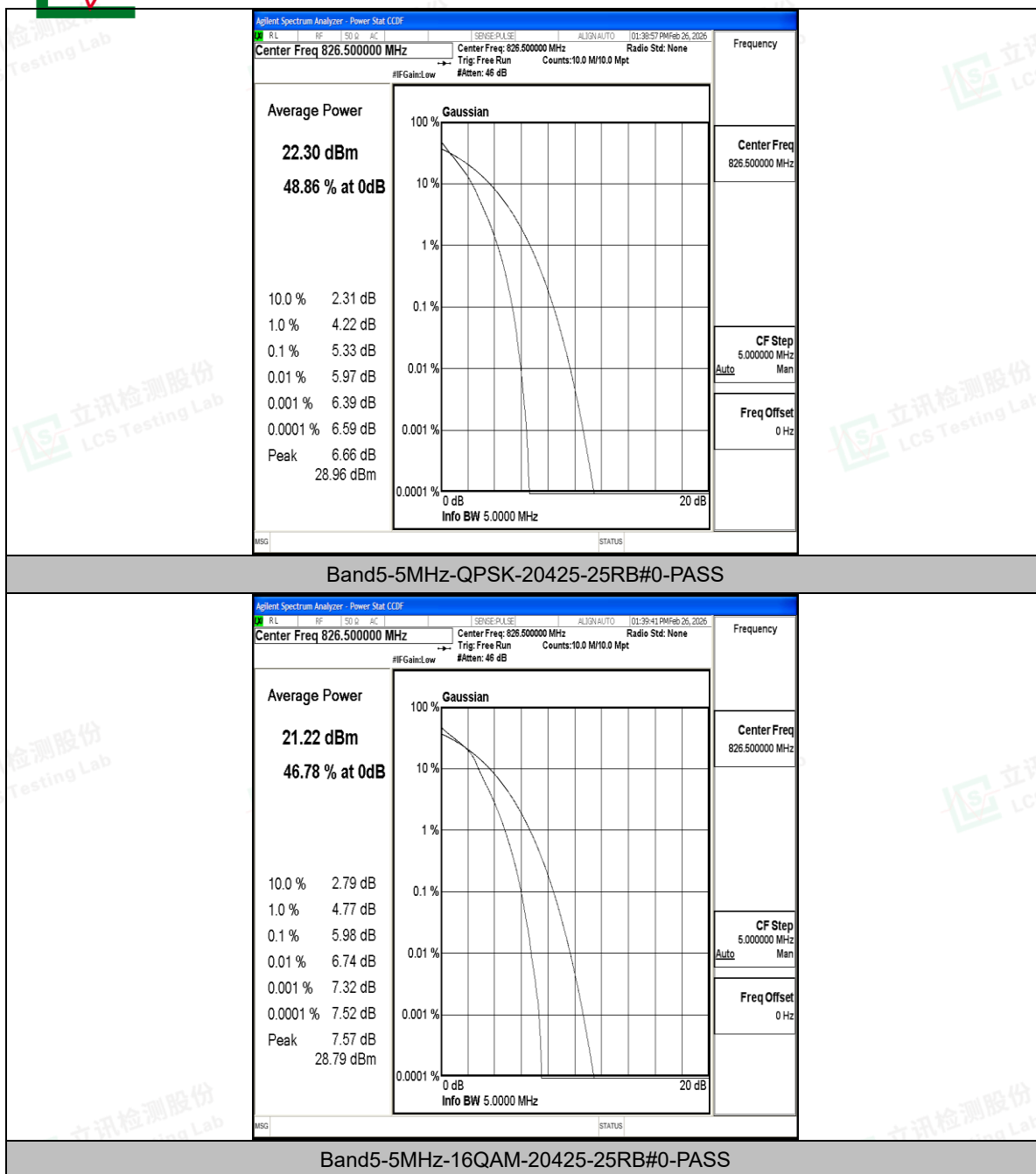


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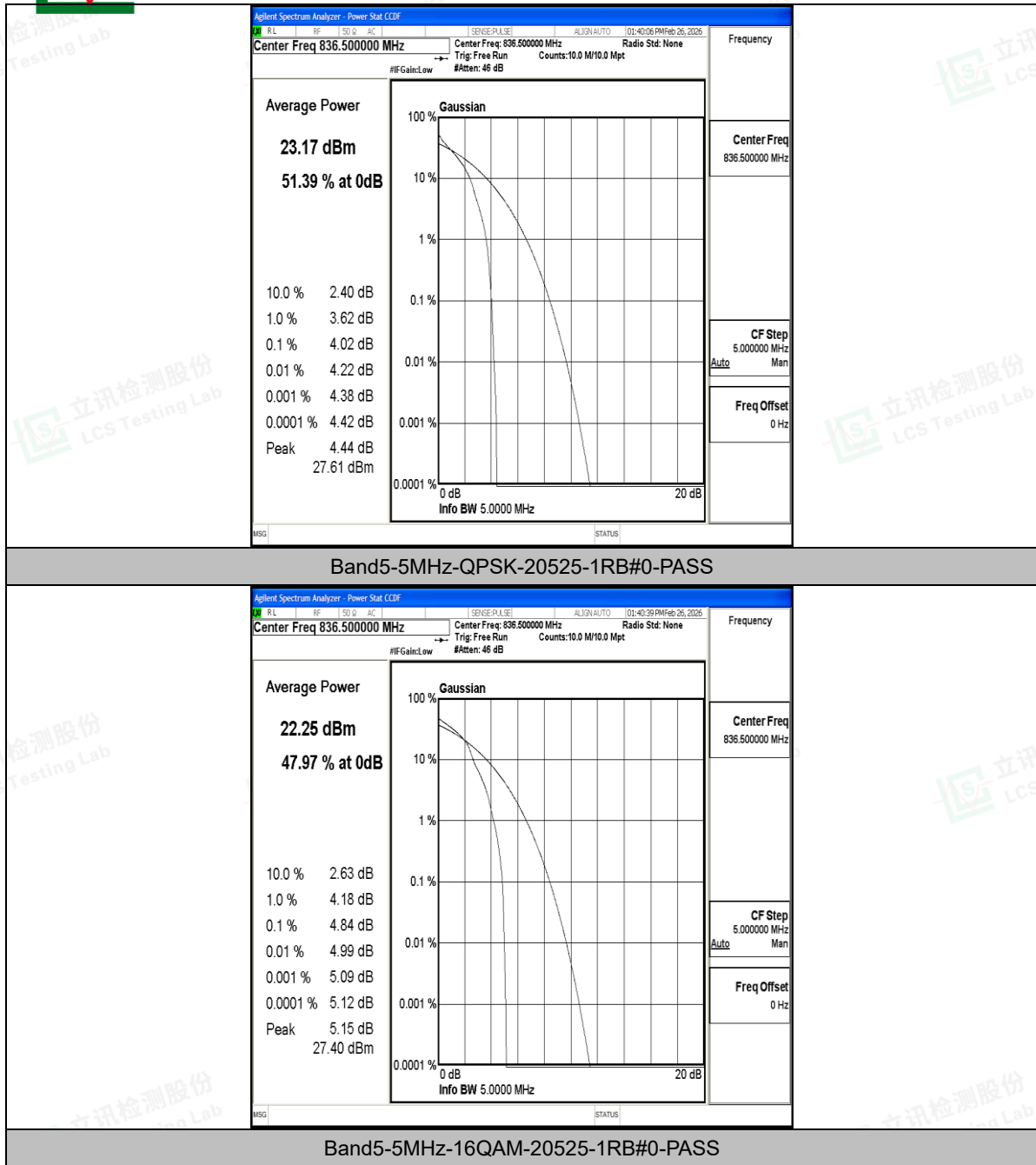


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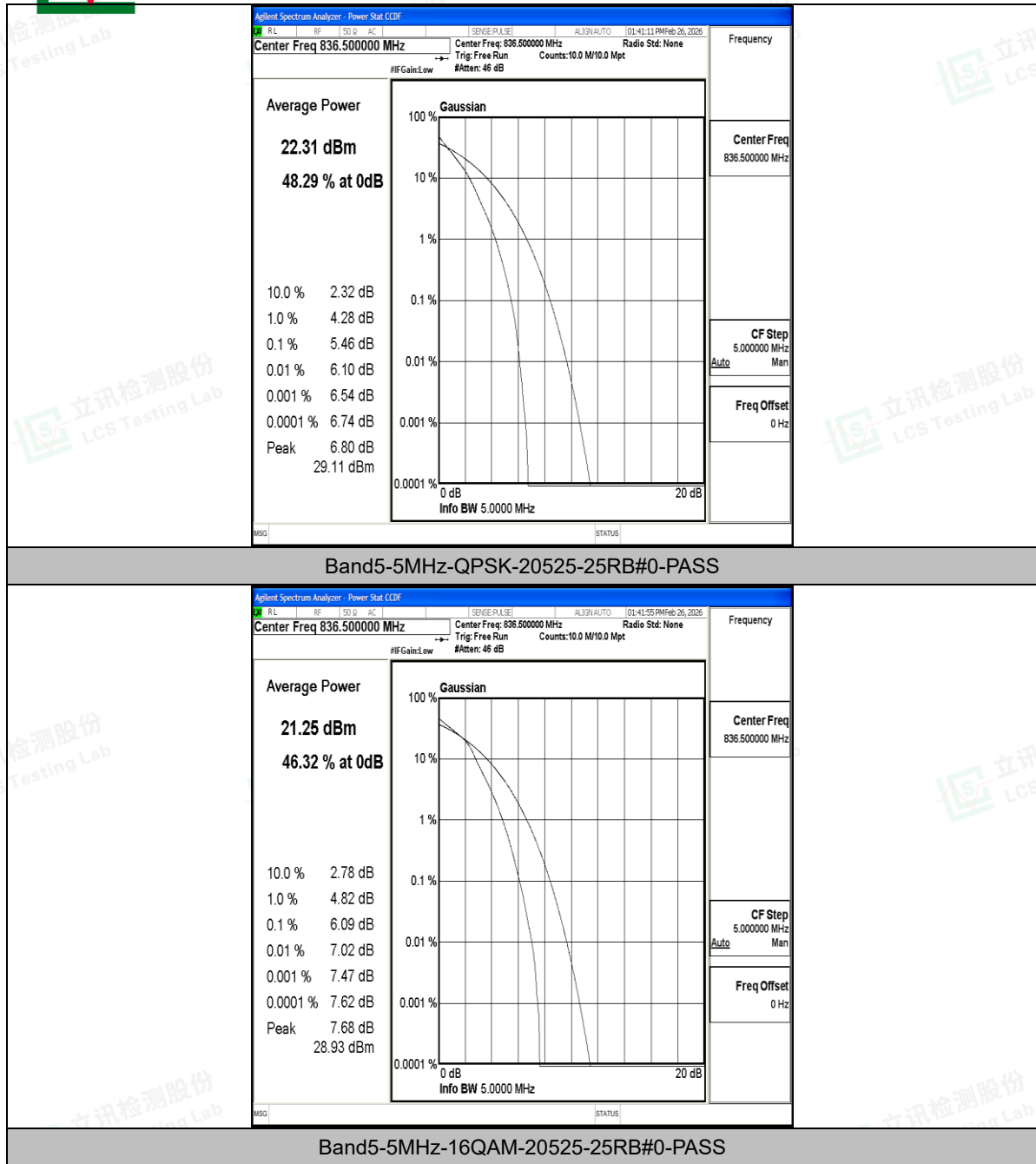


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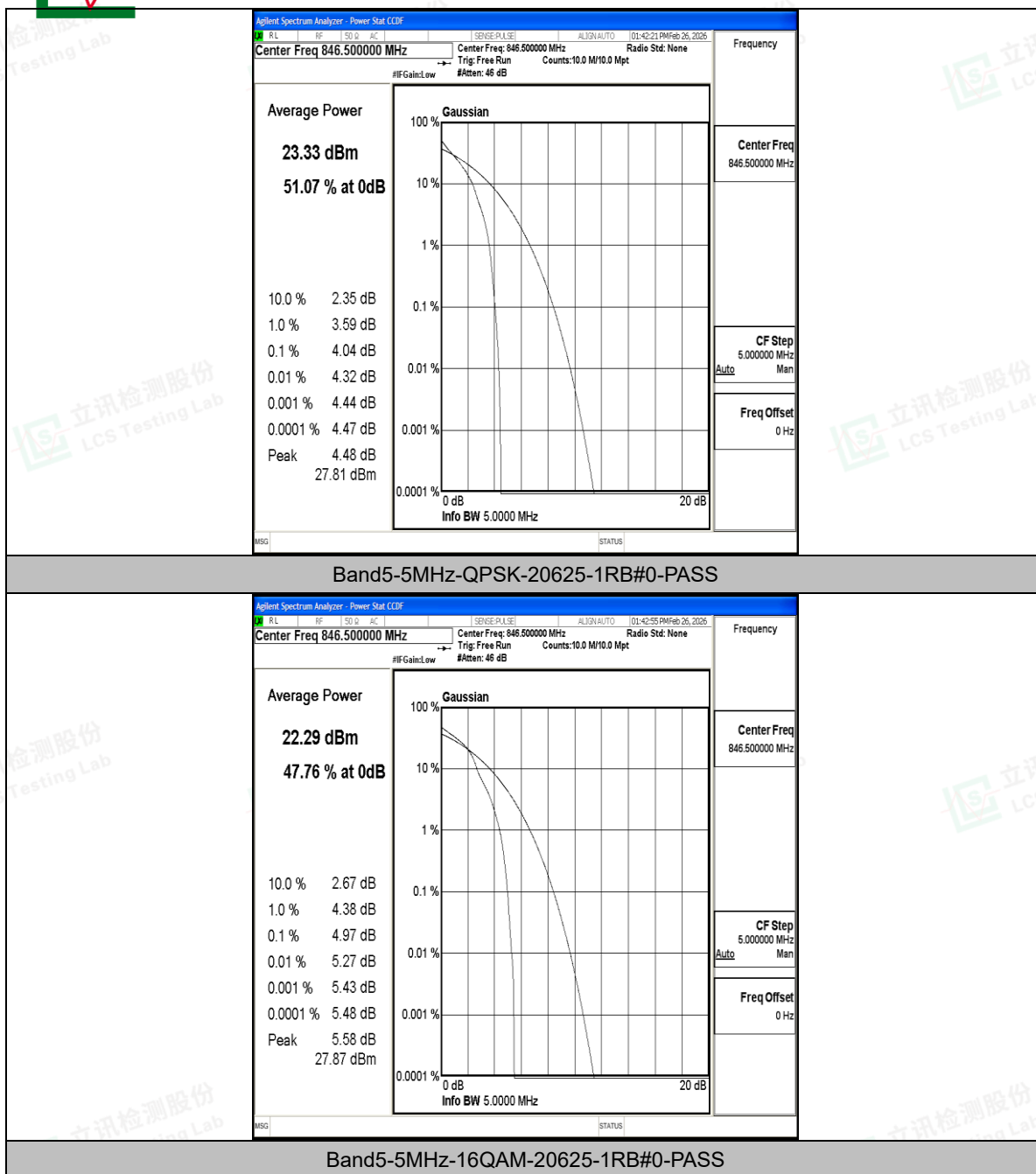


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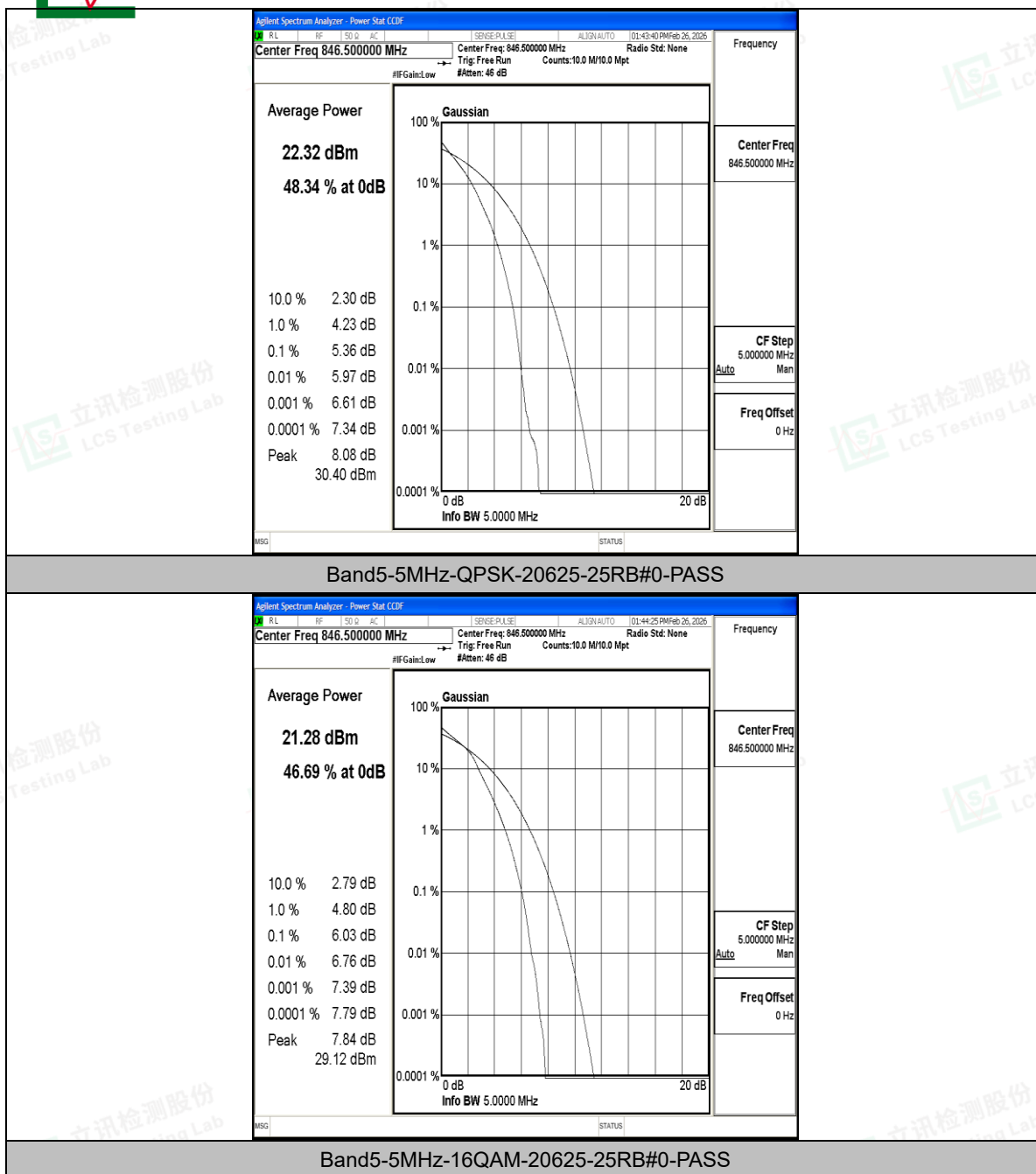


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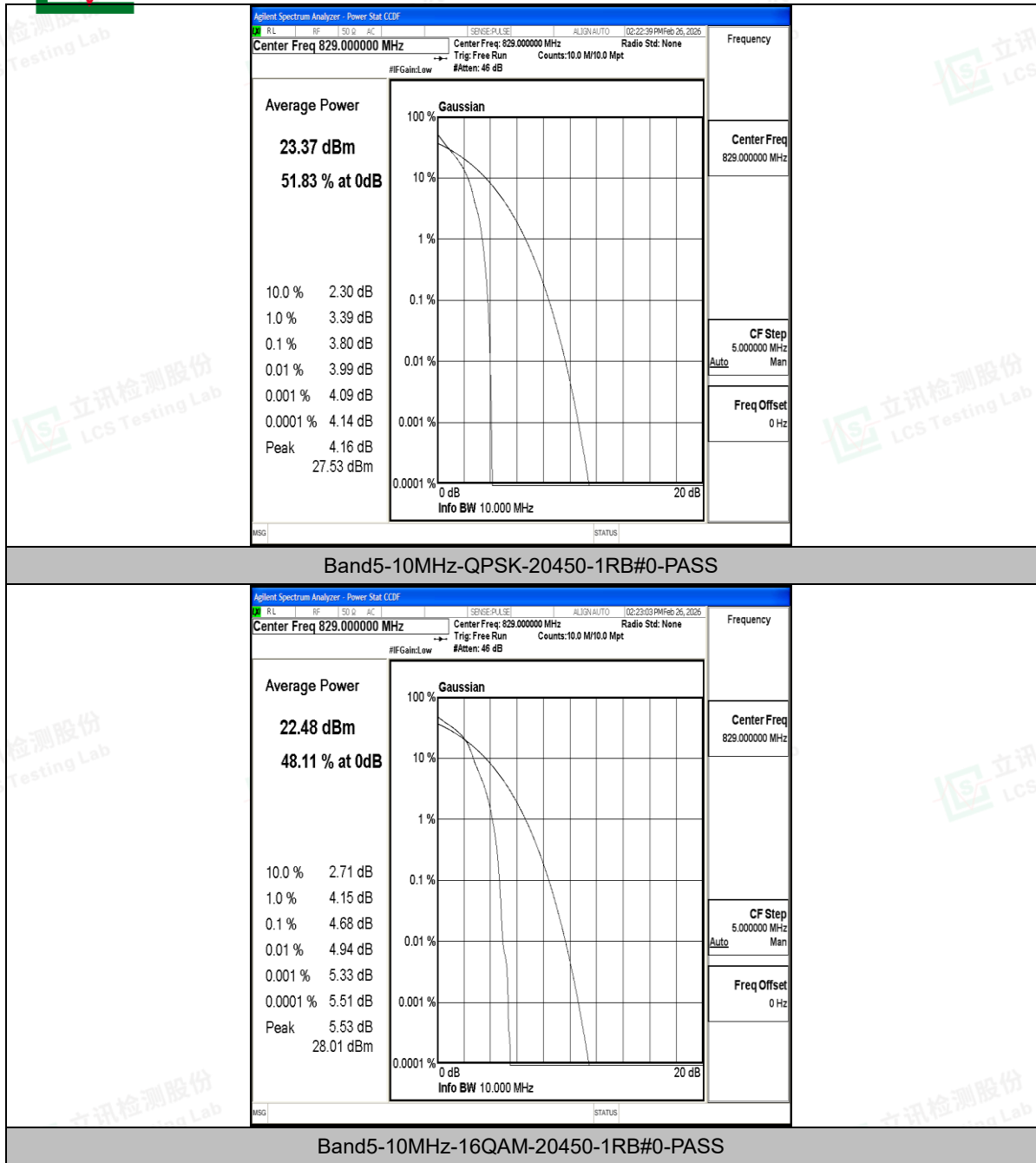


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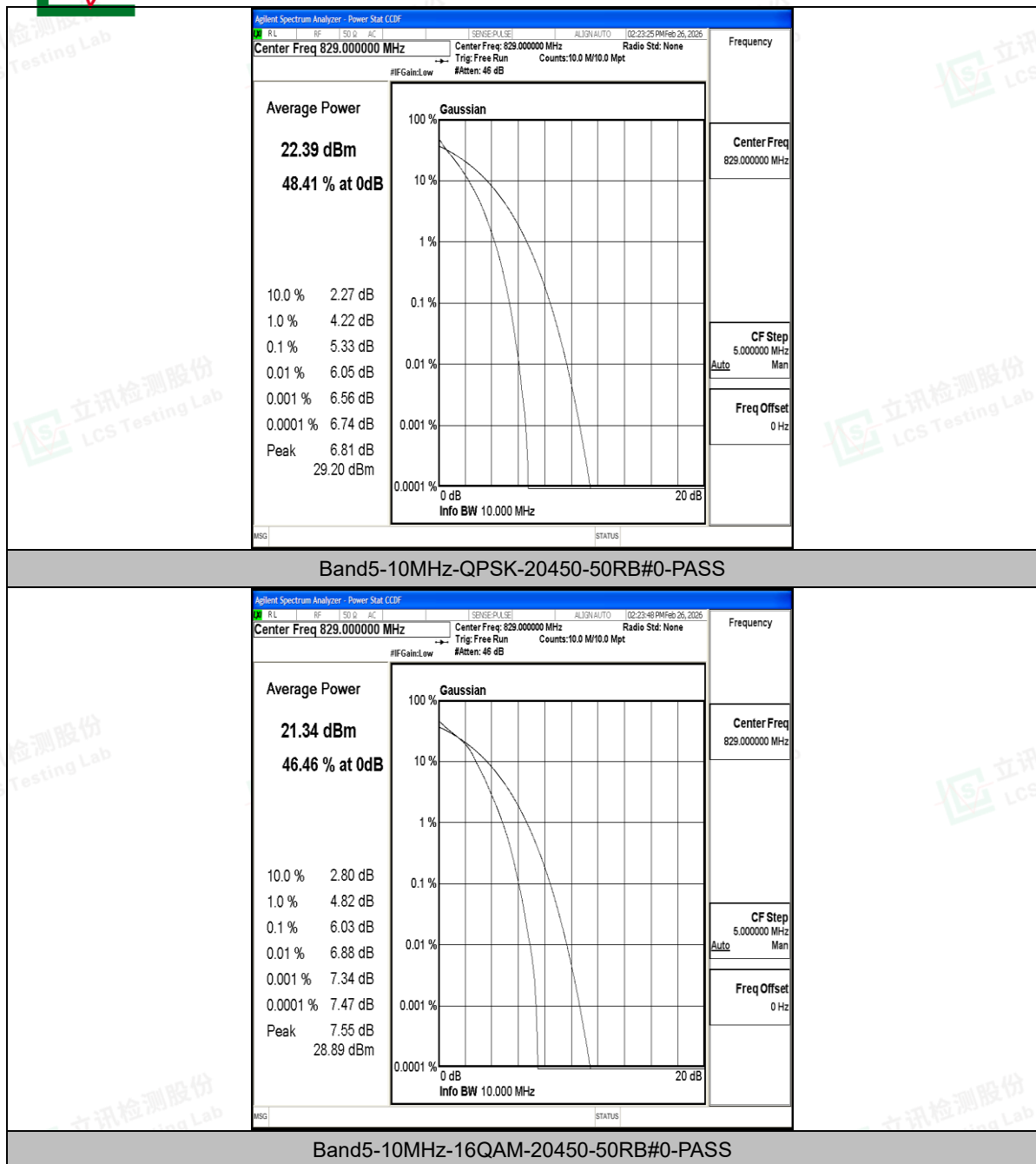


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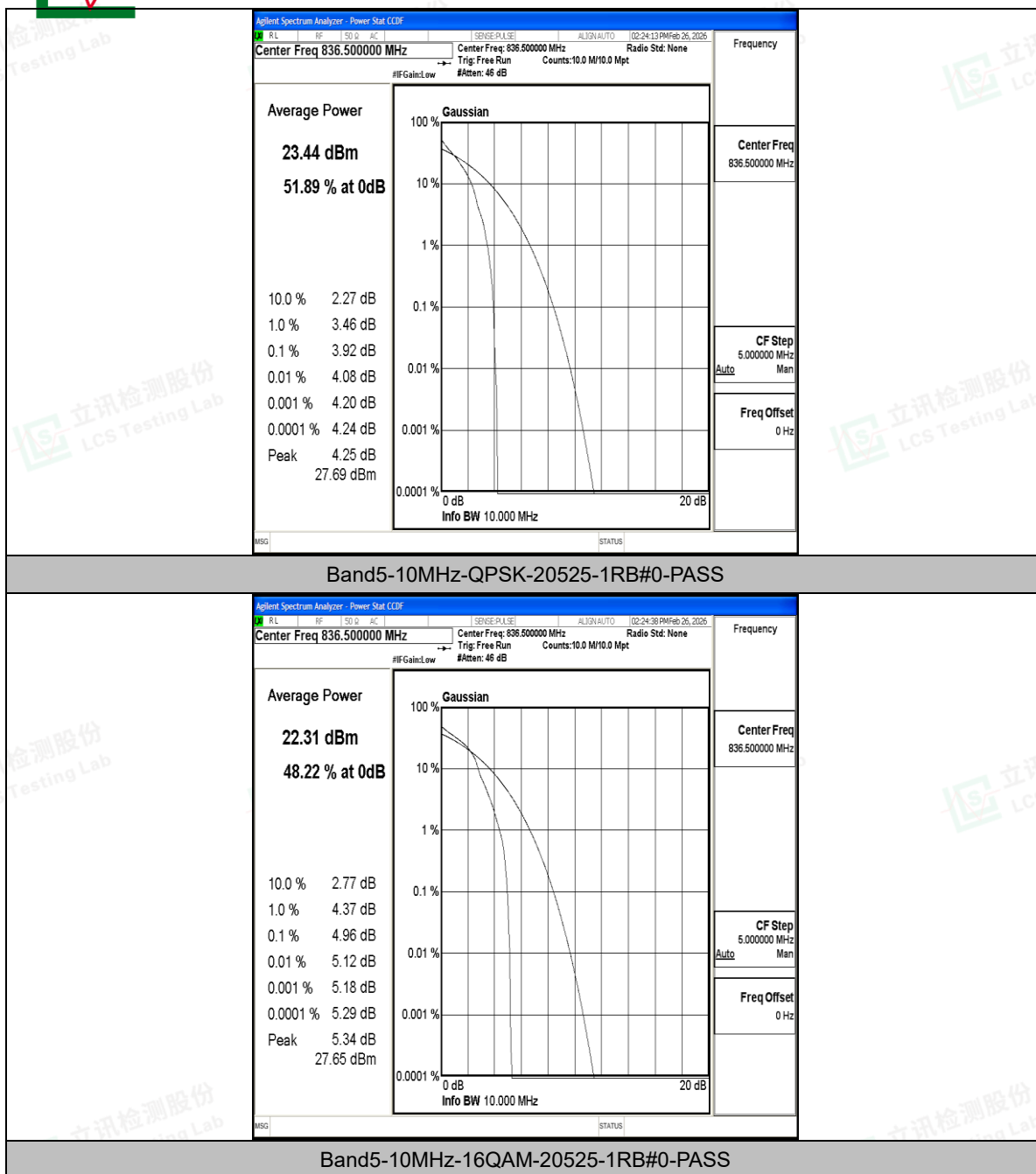


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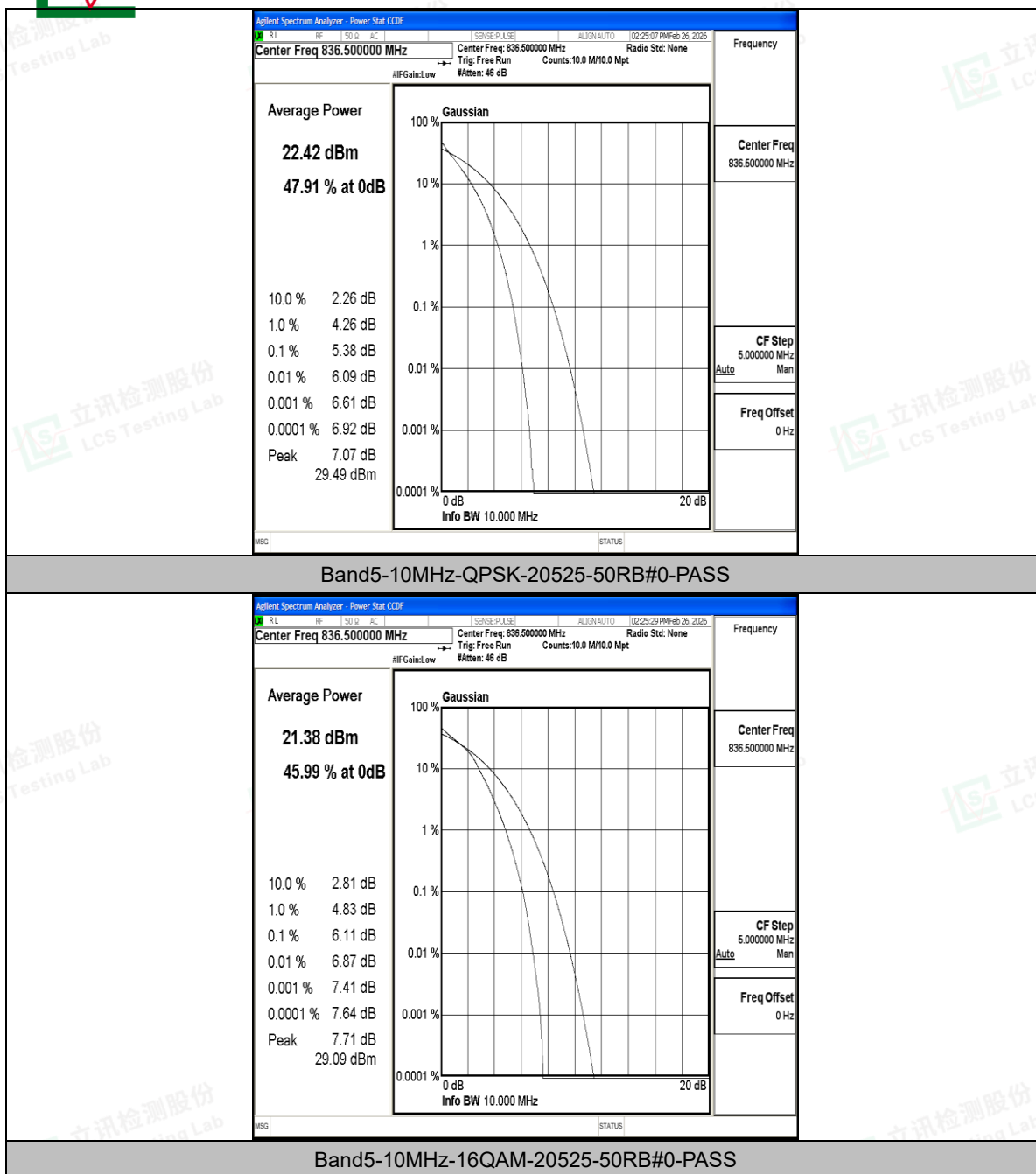


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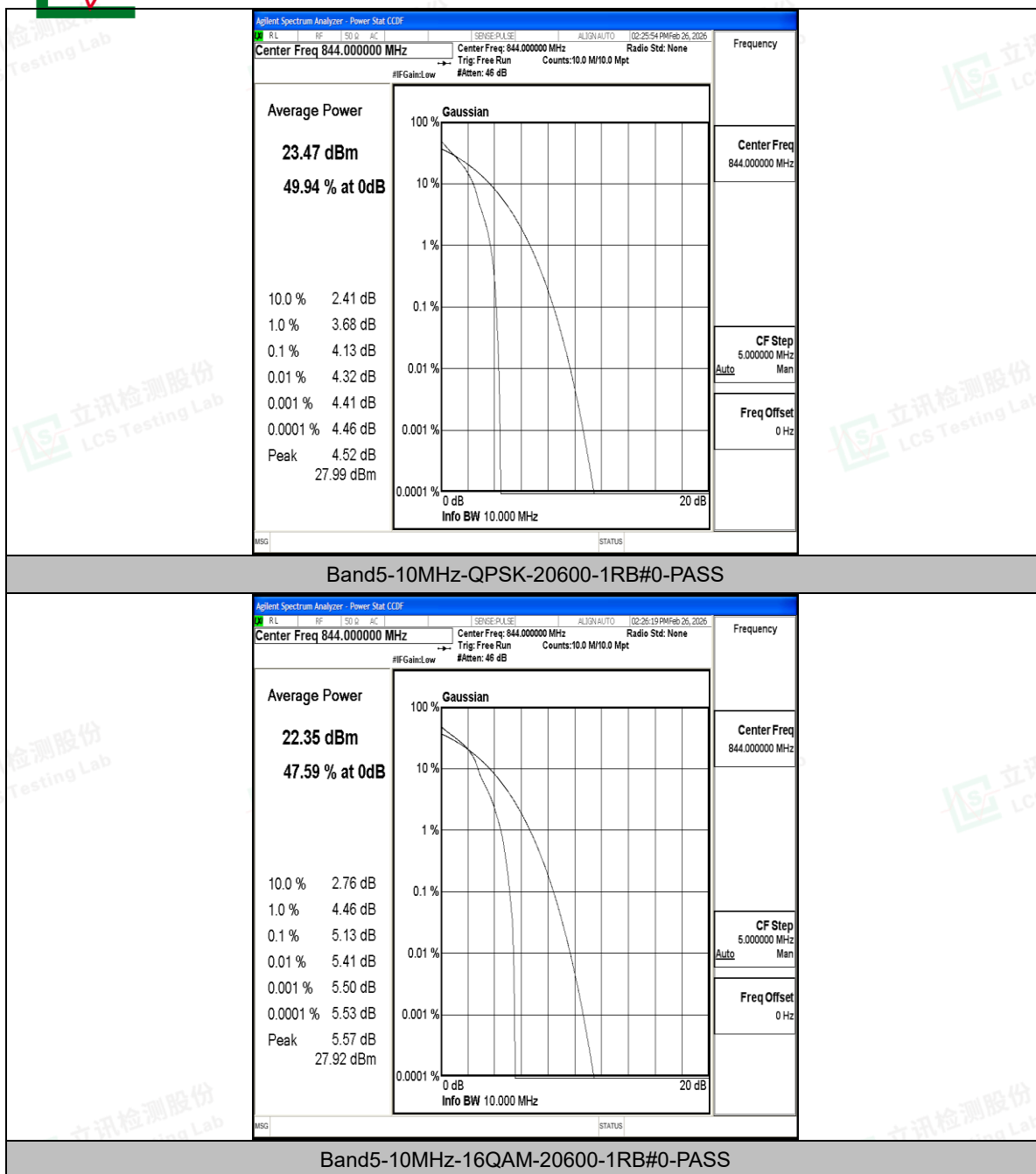


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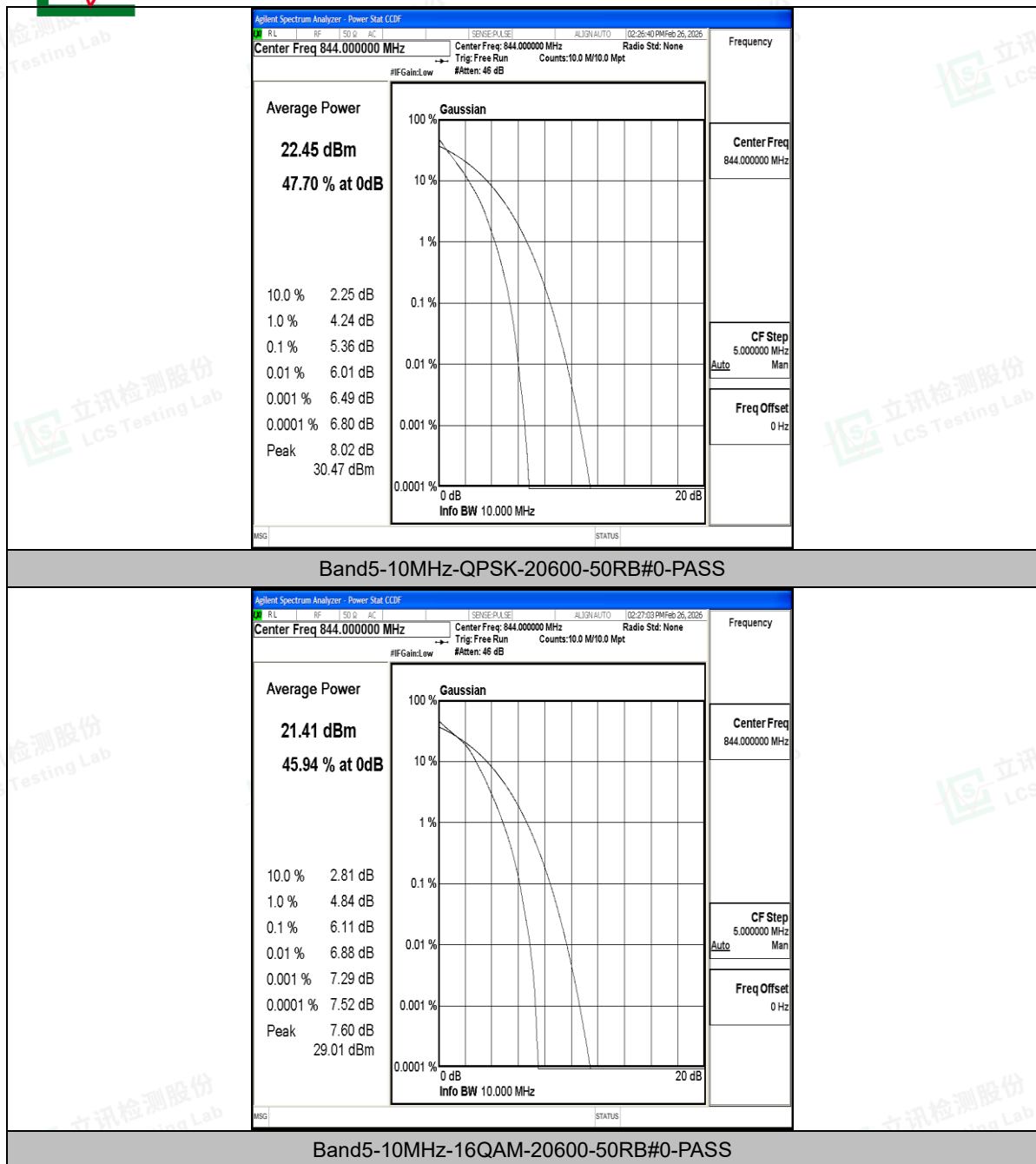


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J.3 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	1.0908	1.284	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.0958	1.302	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.0914	1.288	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.0959	1.286	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.0888	1.303	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.0876	1.278	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.7173	2.985	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.7078	2.970	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.7206	2.979	PASS
Band5	10MHz	16QAM	20450	50RB#0	9.0020	10.01	PASS
Band5	10MHz	QPSK	20525	50RB#0	9.0104	10.11	PASS
Band5	10MHz	16QAM	20525	50RB#0	8.9962	10.09	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.9853	10.04	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.9804	9.951	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.7158	2.990	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.7176	2.974	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.7136	2.973	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.5142	5.184	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.5247	5.143	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.5102	5.146	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.5284	5.200	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.5188	5.413	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.5304	5.196	PASS
Band5	10MHz	QPSK	20450	50RB#0	9.0115	10.04	PASS



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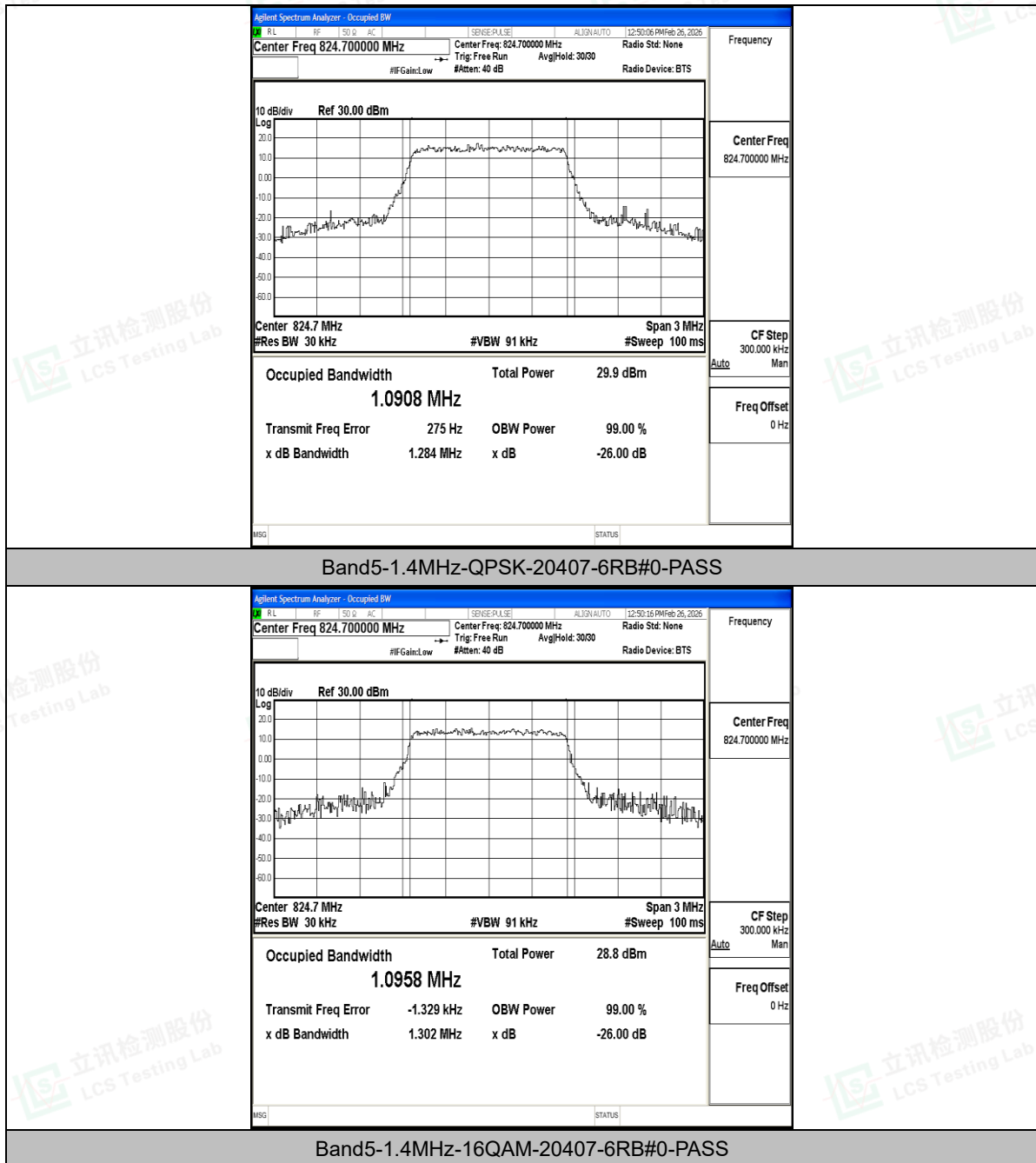
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Test Graphs

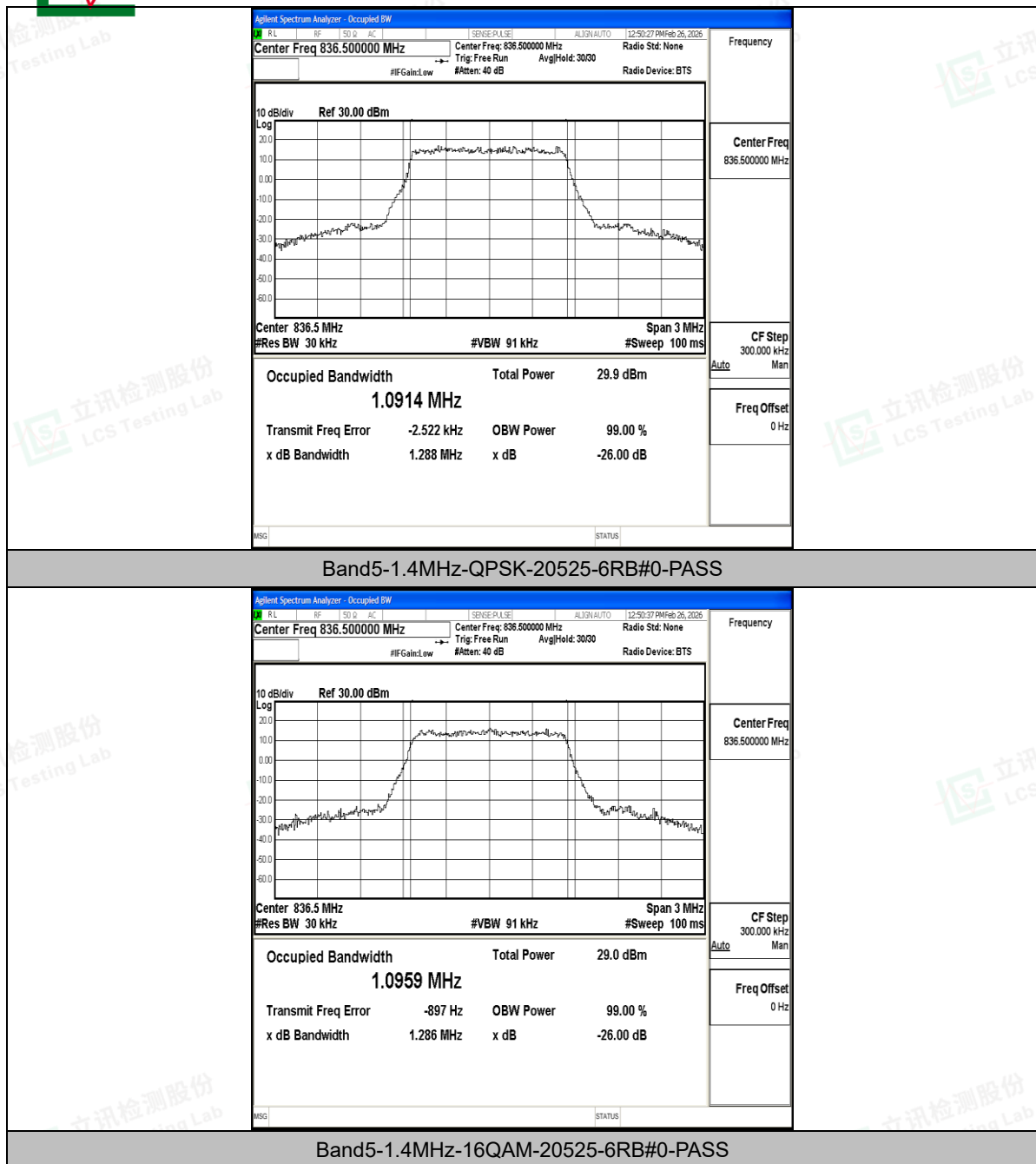


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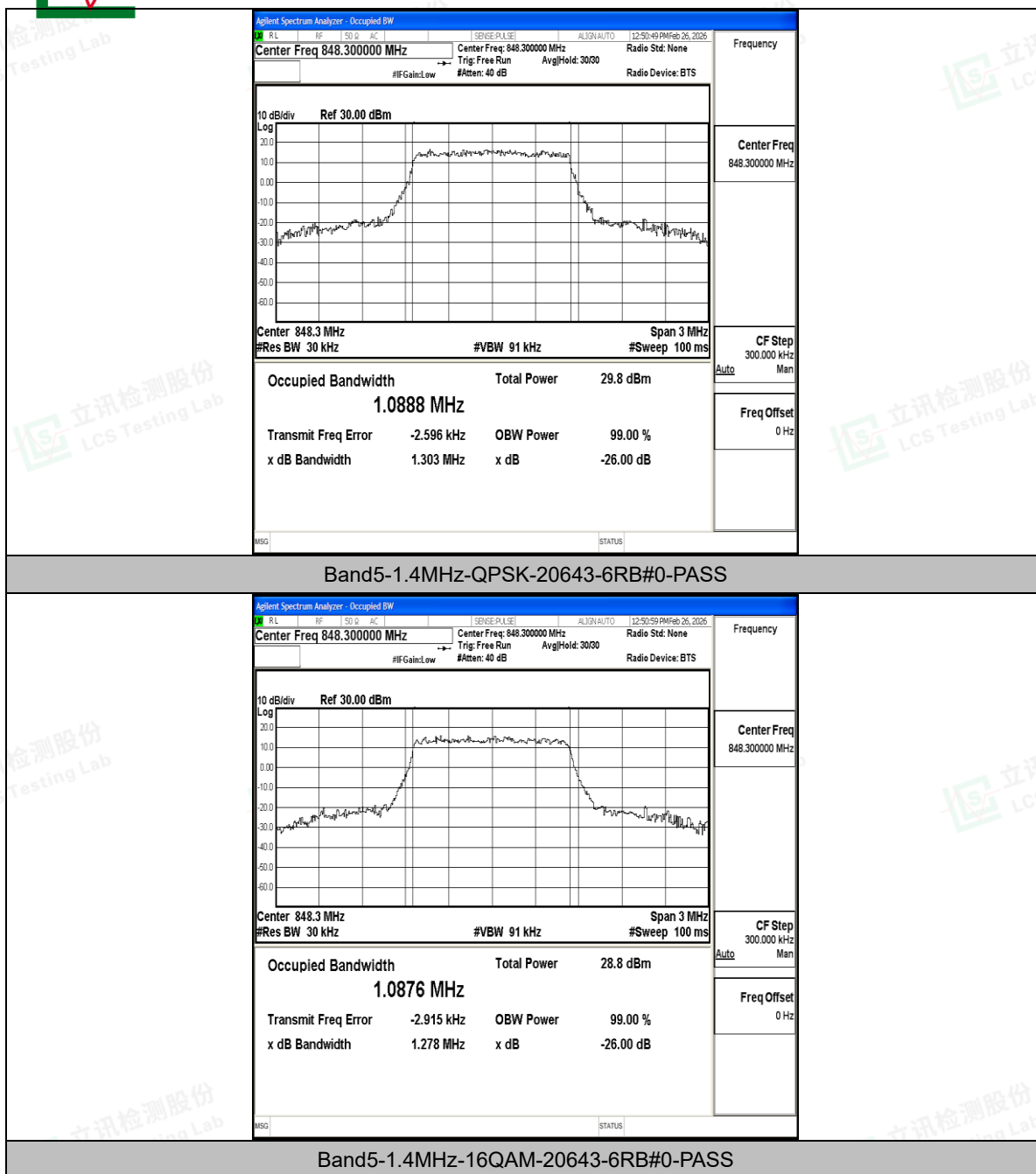


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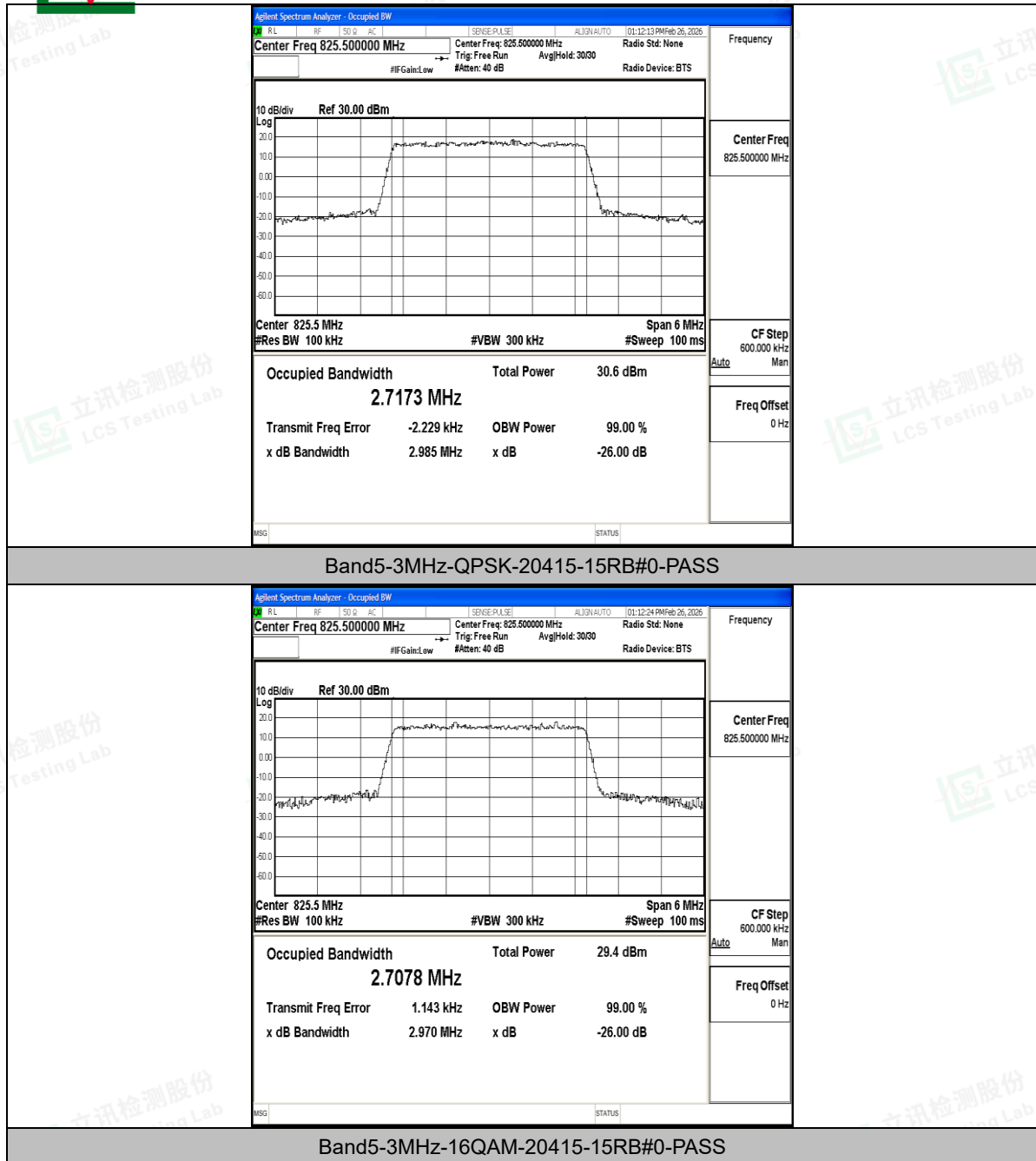


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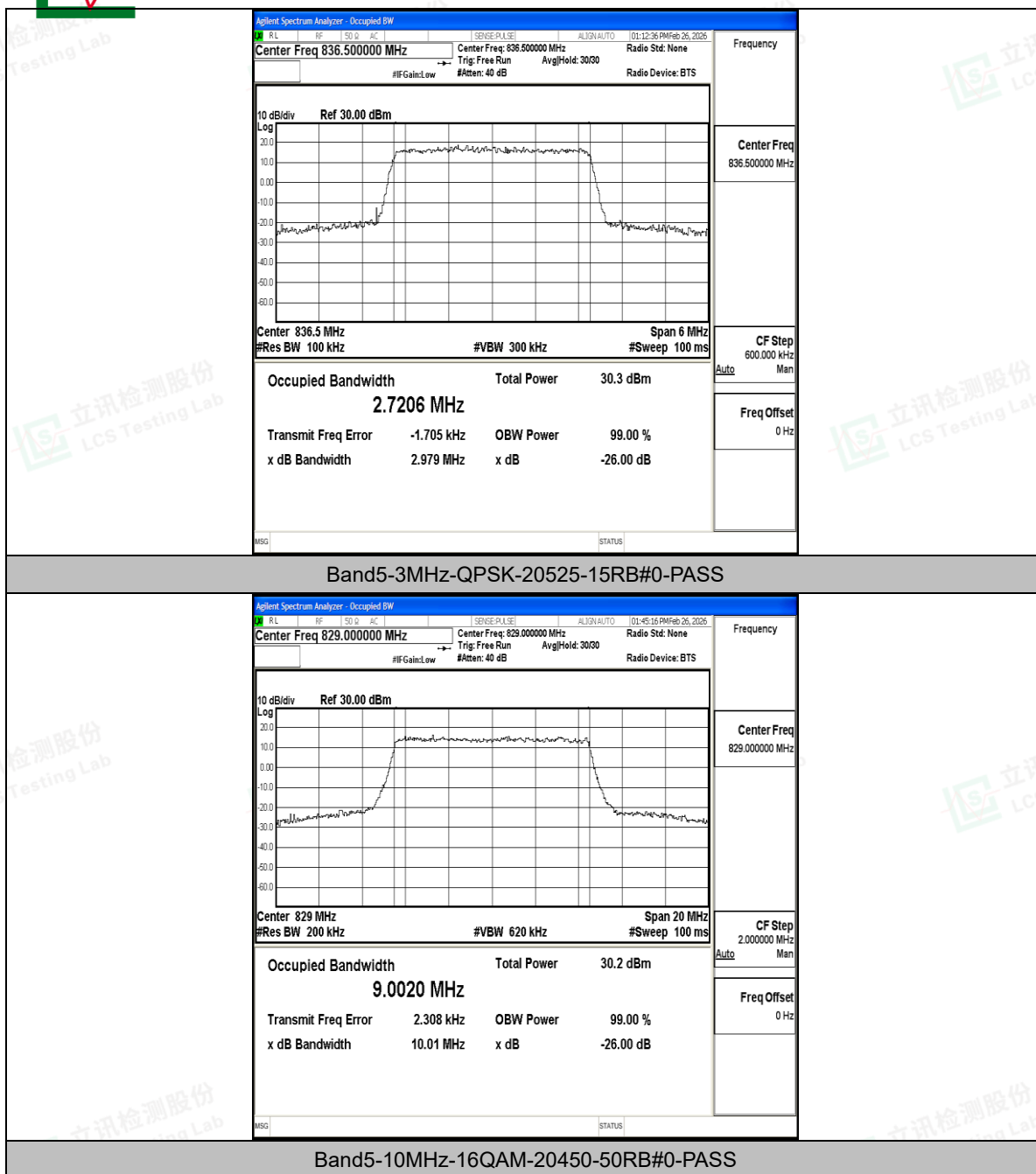


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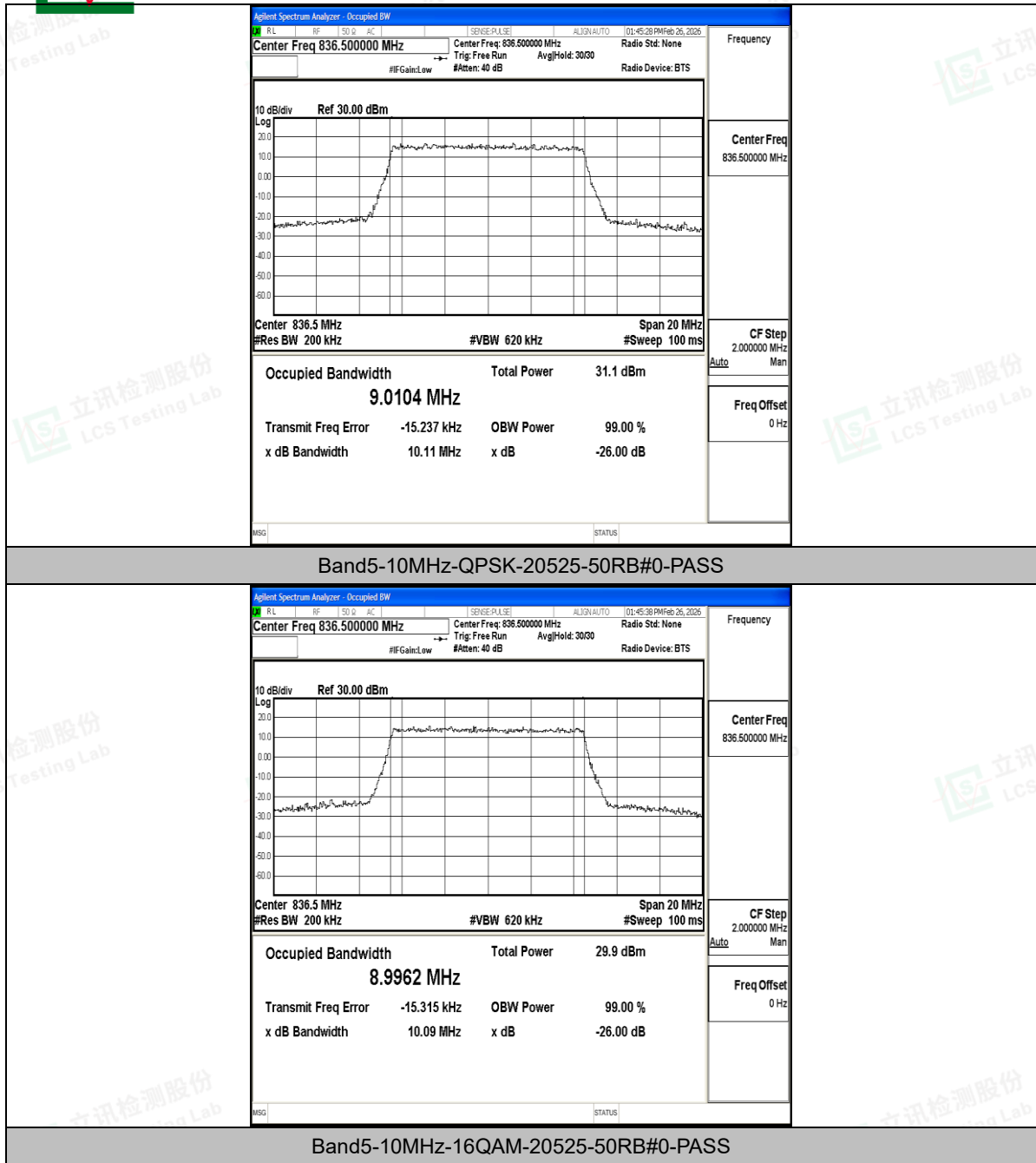


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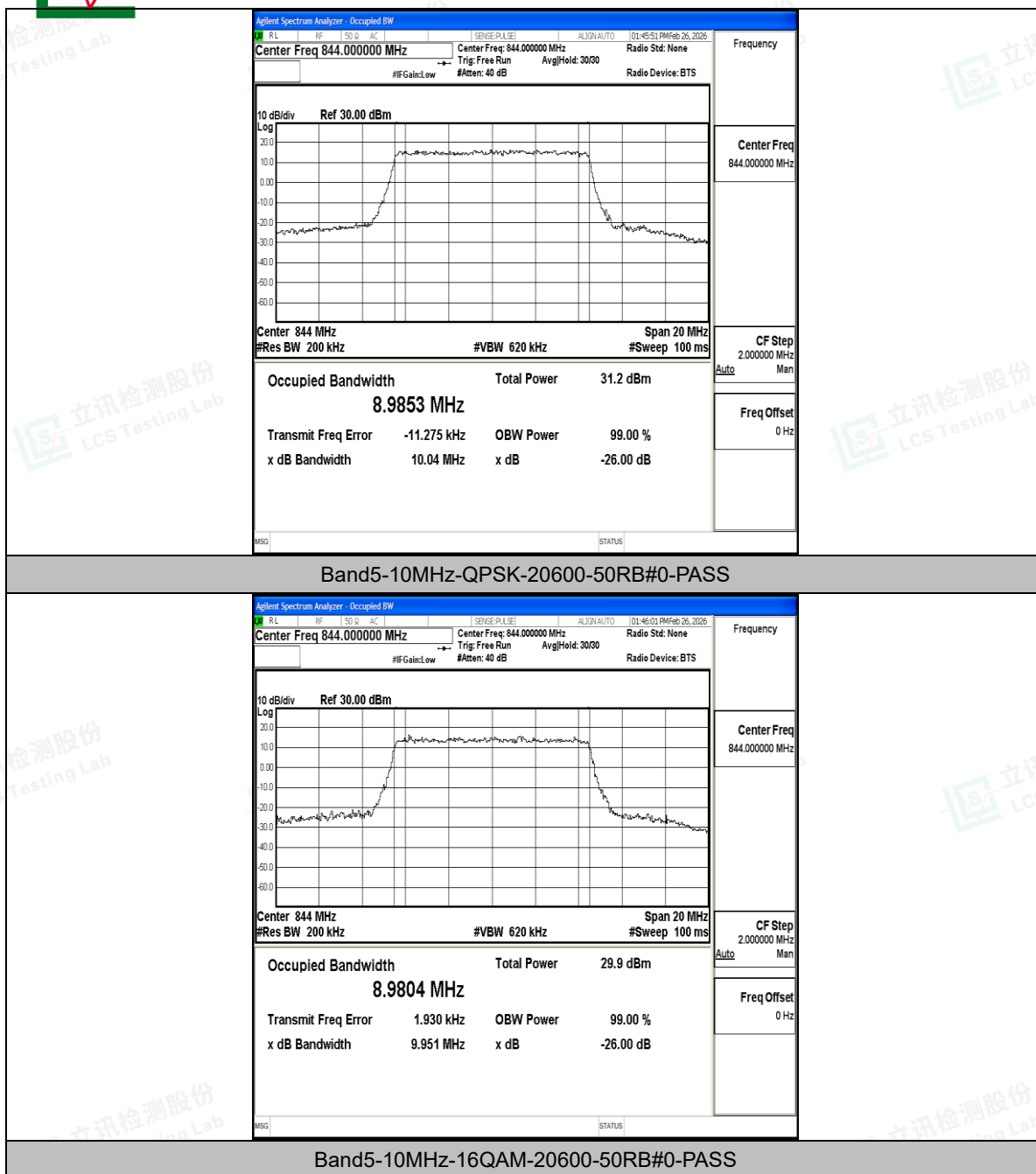


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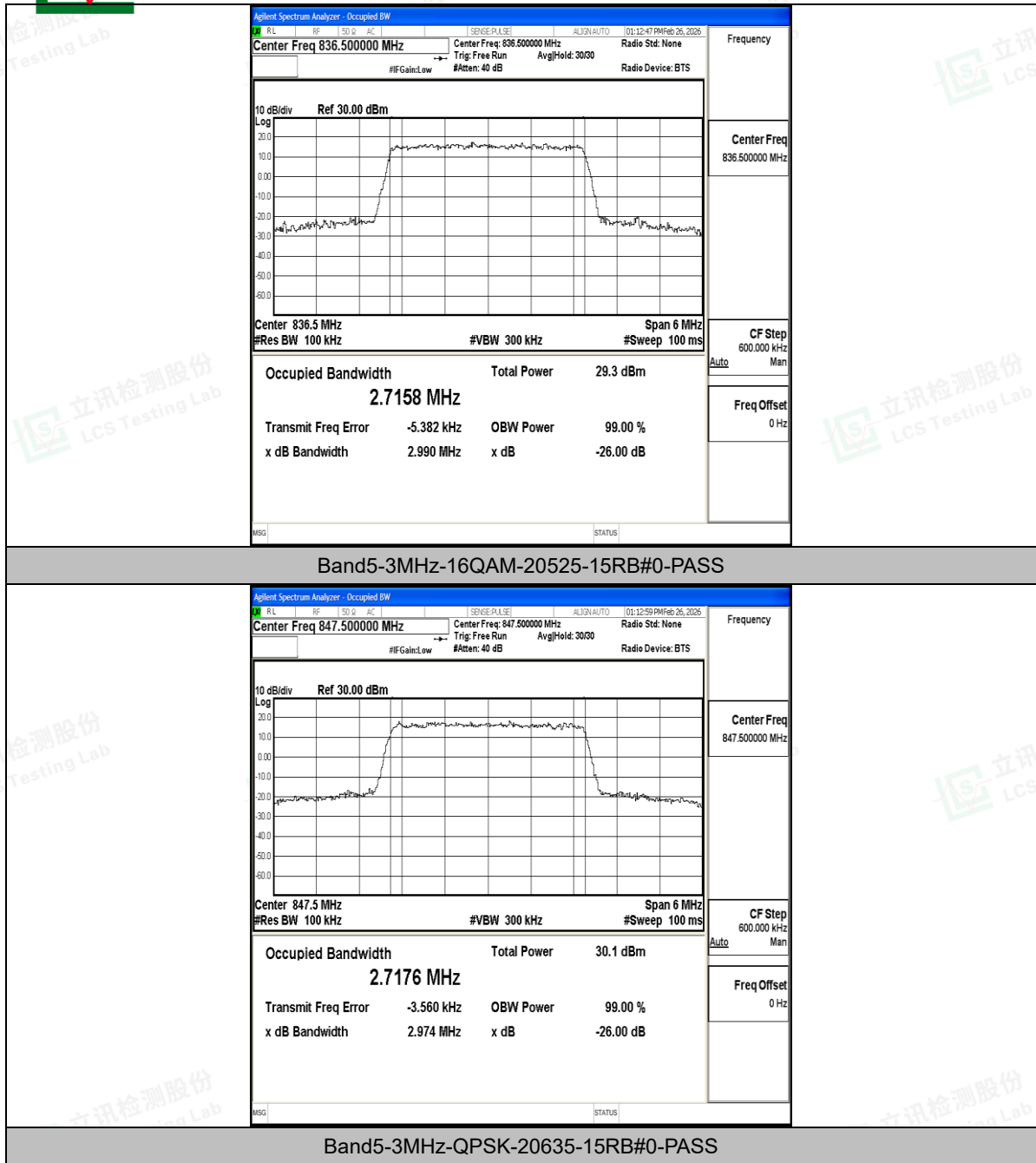


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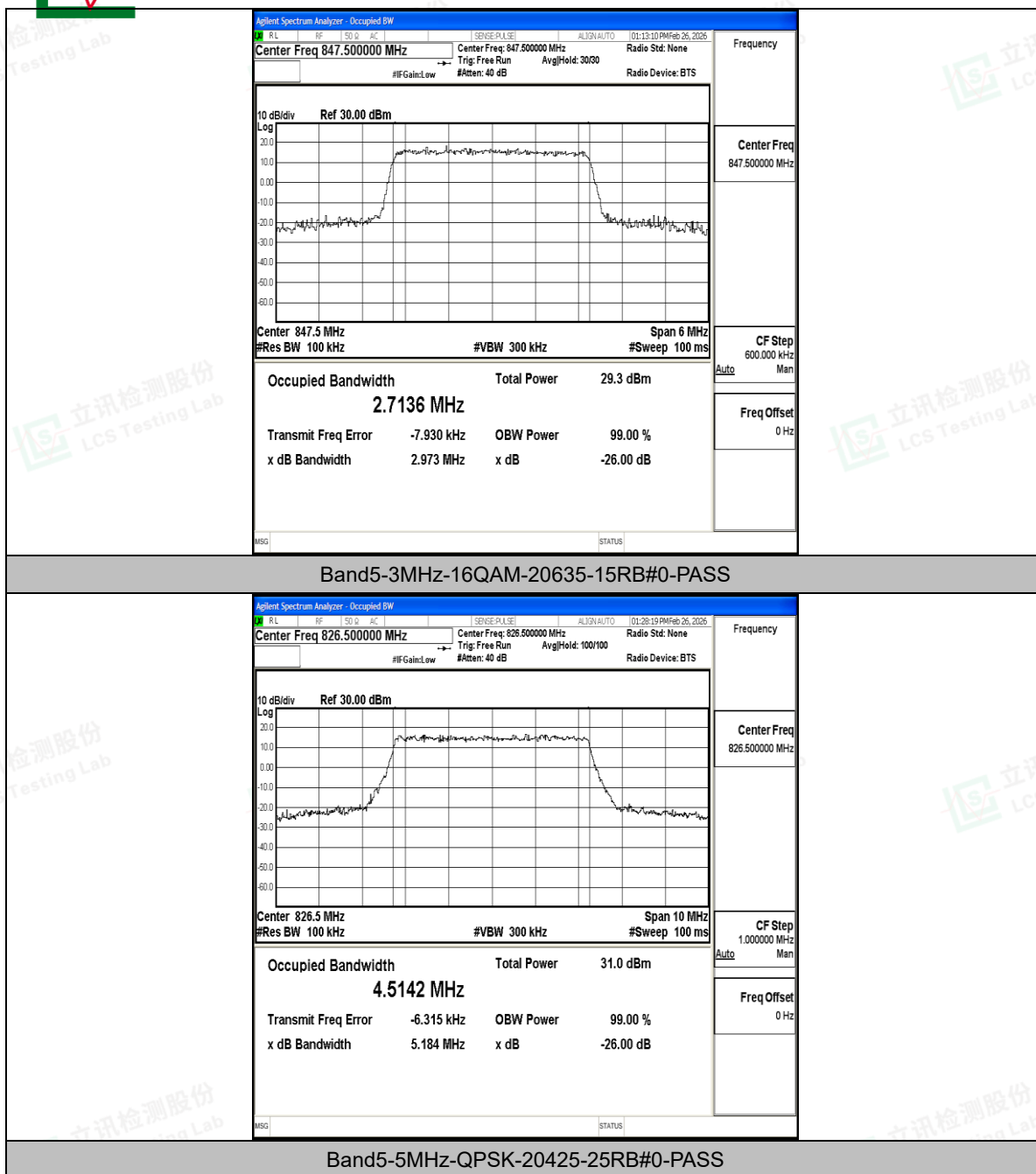


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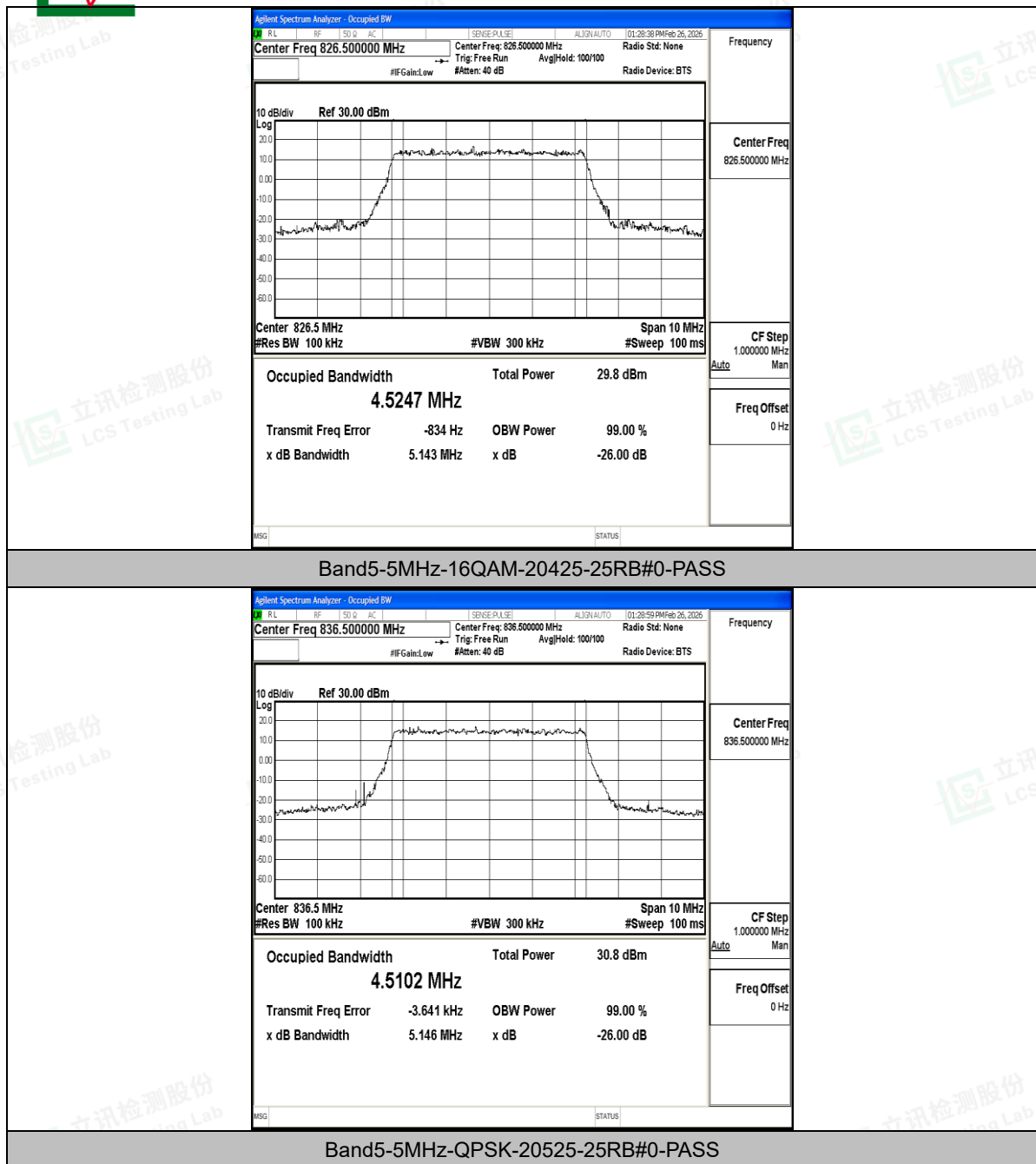


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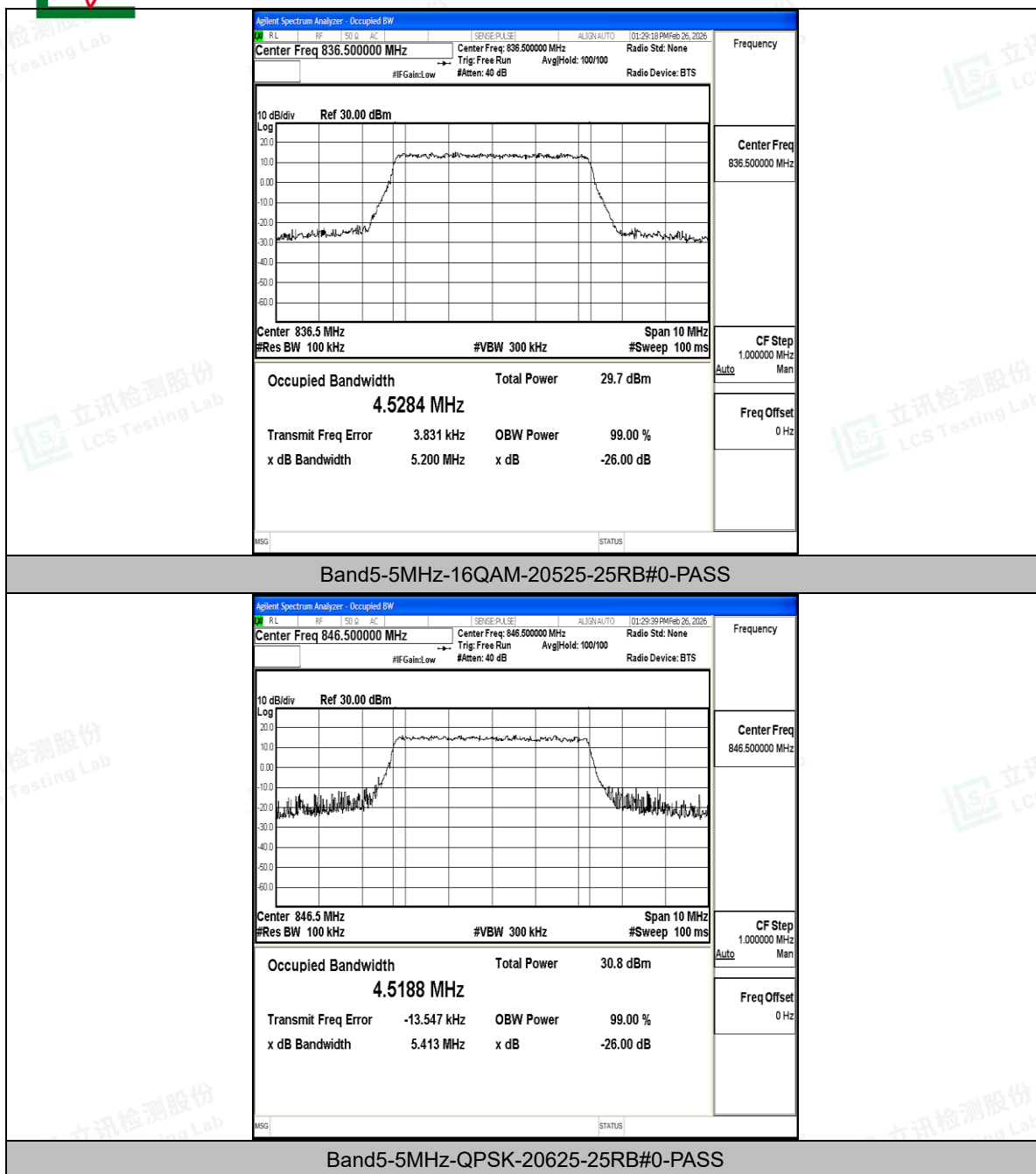


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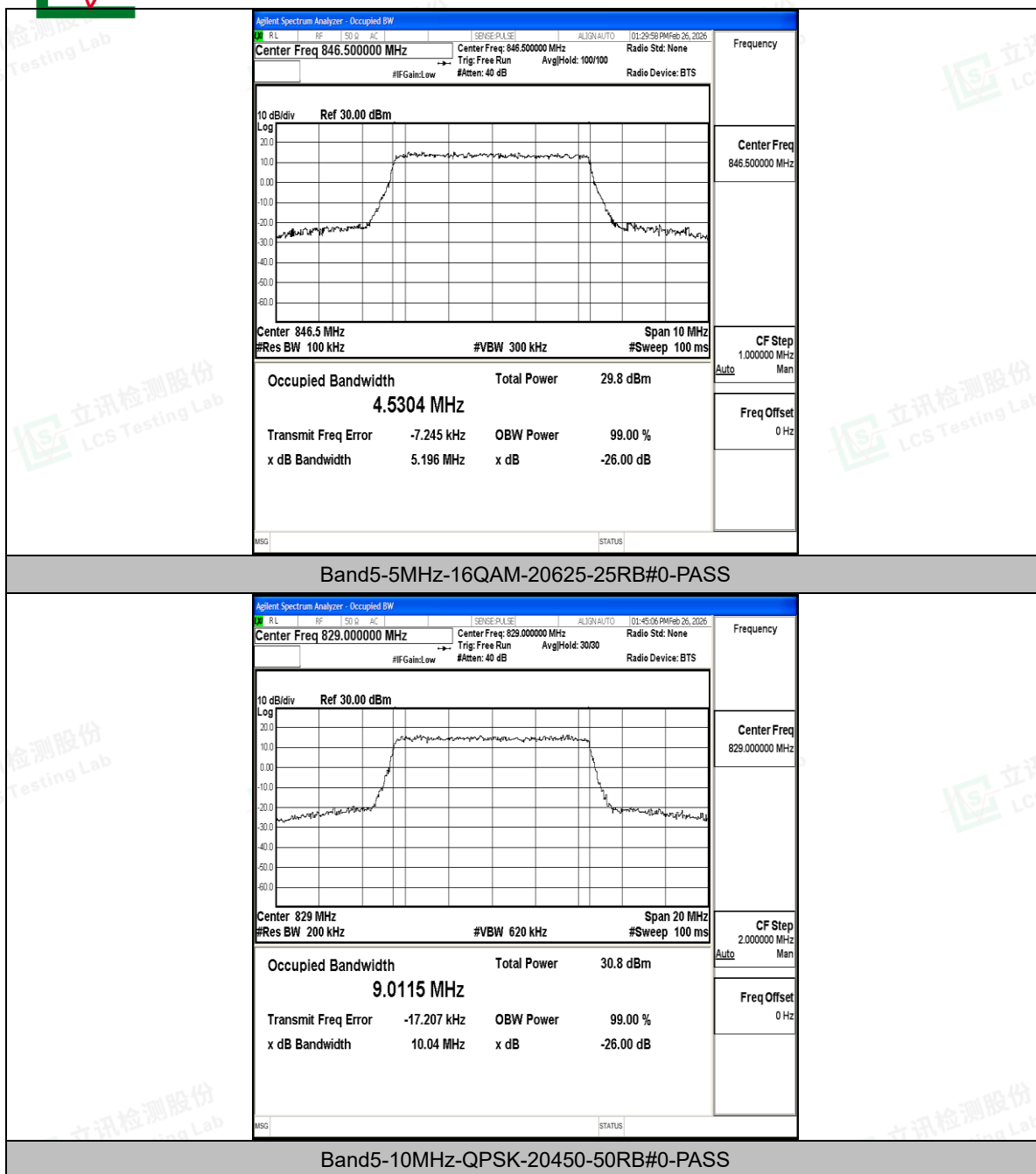


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J.4 Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Peak Frequency	Result(dBm)	Verdict
Band5	5MHz	QPSK	20425	25RB#0	824.00	-17.64	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	823.96	-20.20	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	823.89	-24.21	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	849.01	-21.07	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	849.01	-21.66	PASS
Band5	3MHz	QPSK	20415	15RB#0	824.00	-21.91	PASS
Band5	3MHz	16QAM	20415	15RB#0	823.99	-23.49	PASS
Band5	3MHz	QPSK	20635	15RB#0	849.02	-19.45	PASS
Band5	3MHz	16QAM	20635	15RB#0	849.10	-22.46	PASS
Band5	5MHz	16QAM	20425	25RB#0	823.97	-18.77	PASS
Band5	10MHz	QPSK	20450	50RB#0	823.99	-13.15	PASS
Band5	10MHz	16QAM	20450	50RB#0	823.99	-15.62	PASS
Band5	5MHz	QPSK	20625	25RB#0	849.01	-18.40	PASS
Band5	5MHz	16QAM	20625	25RB#0	849.02	-19.41	PASS
Band5	10MHz	QPSK	20600	50RB#0	849.04	-15.79	PASS
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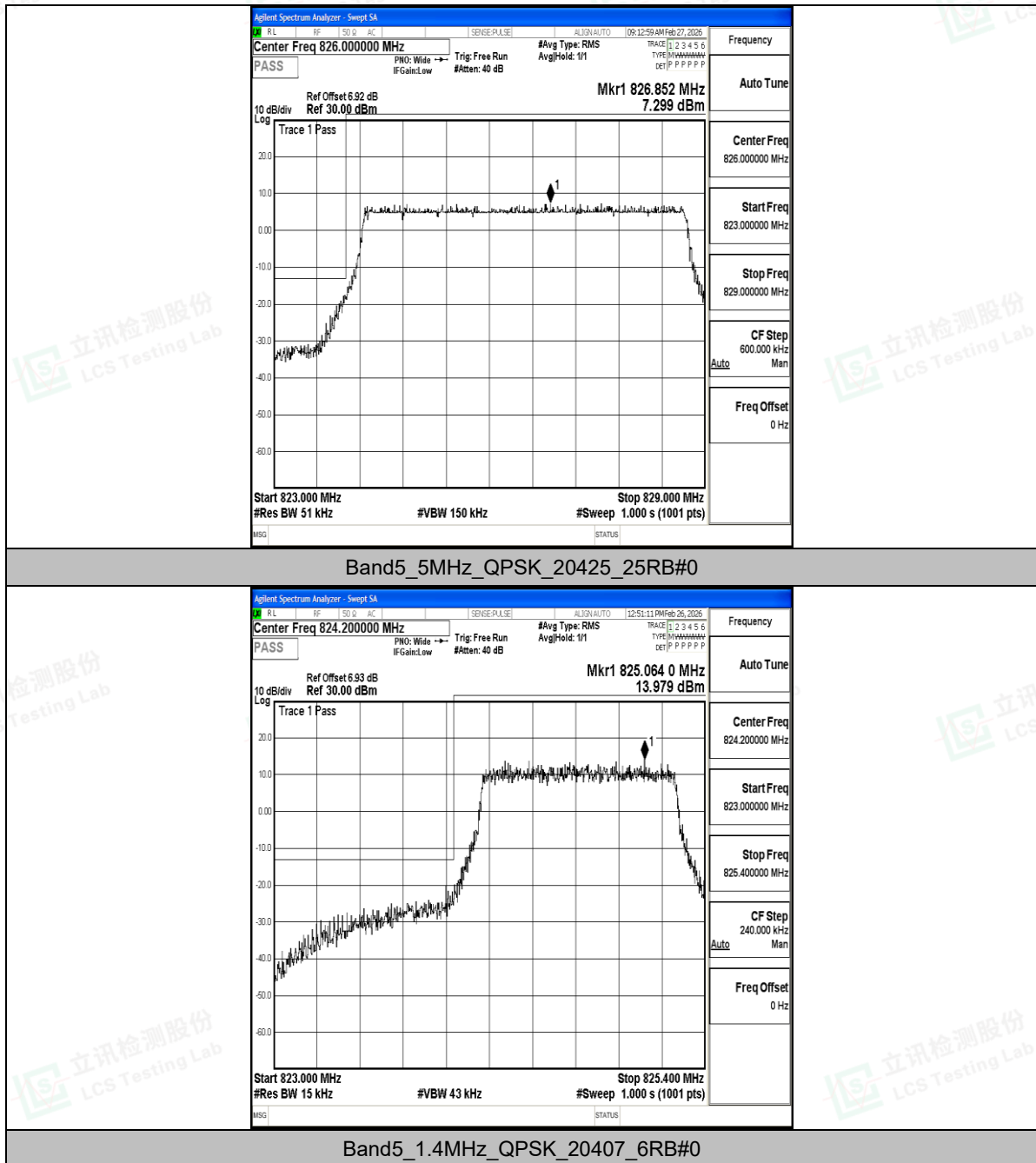
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Test Graphs

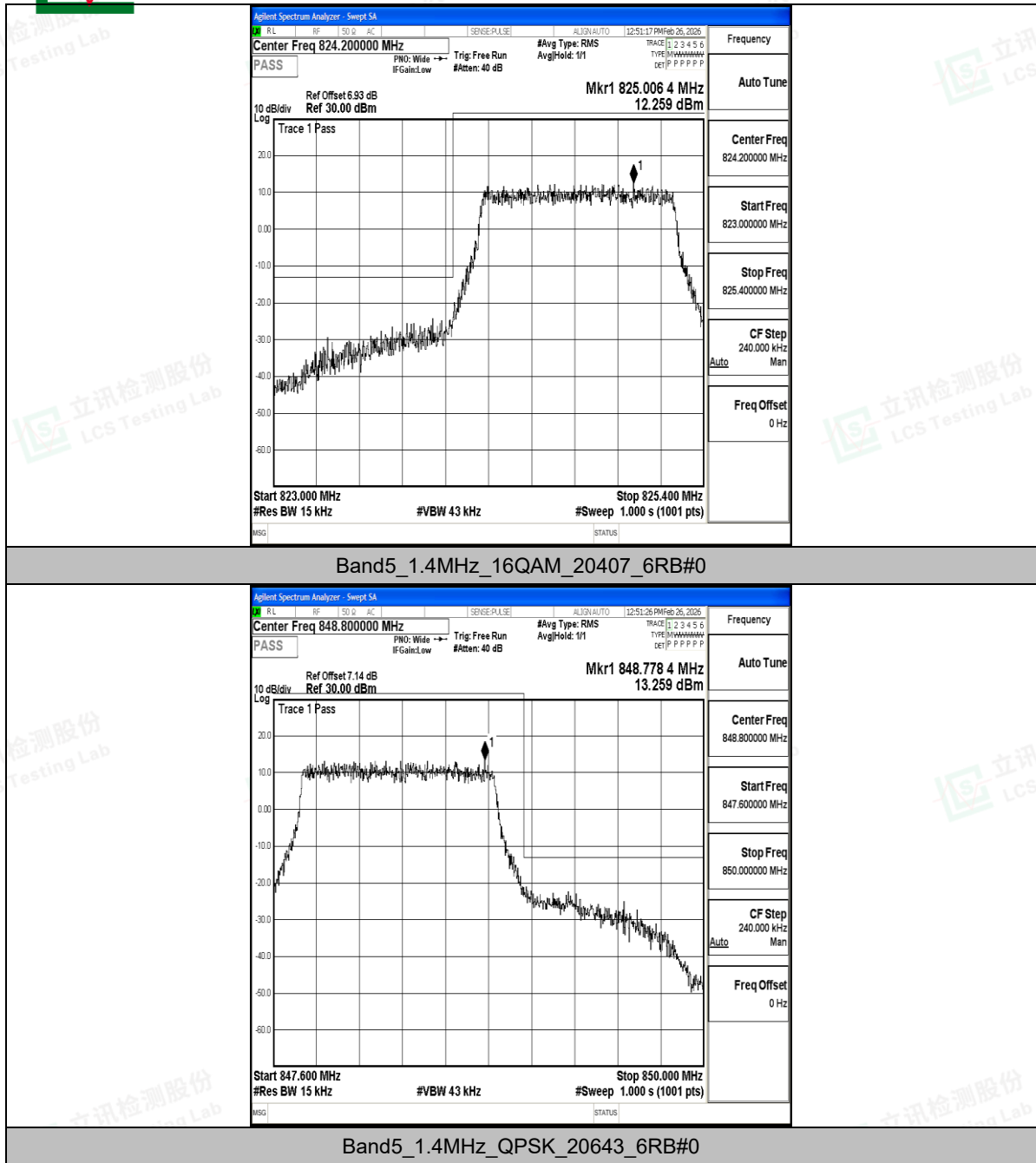


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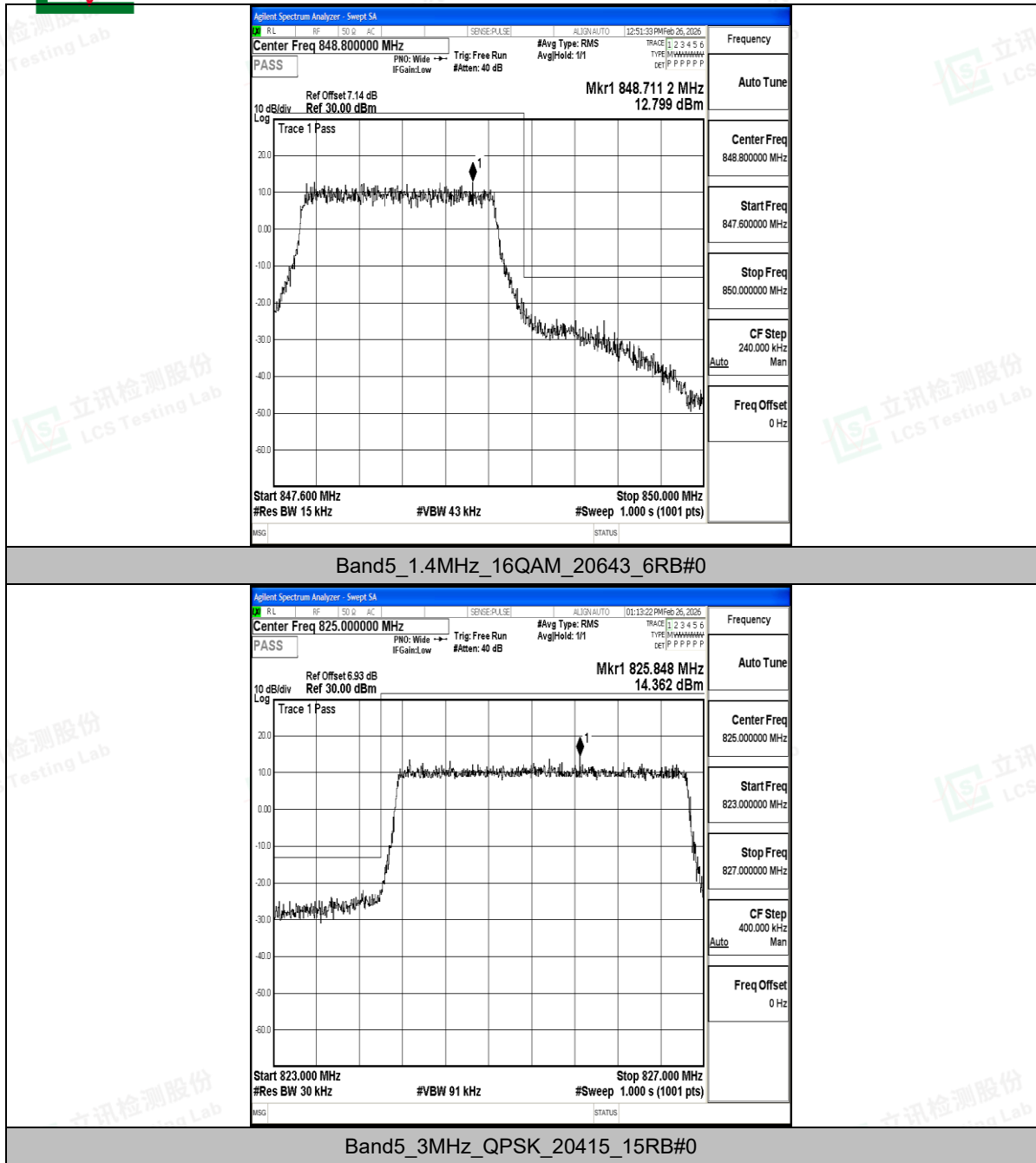


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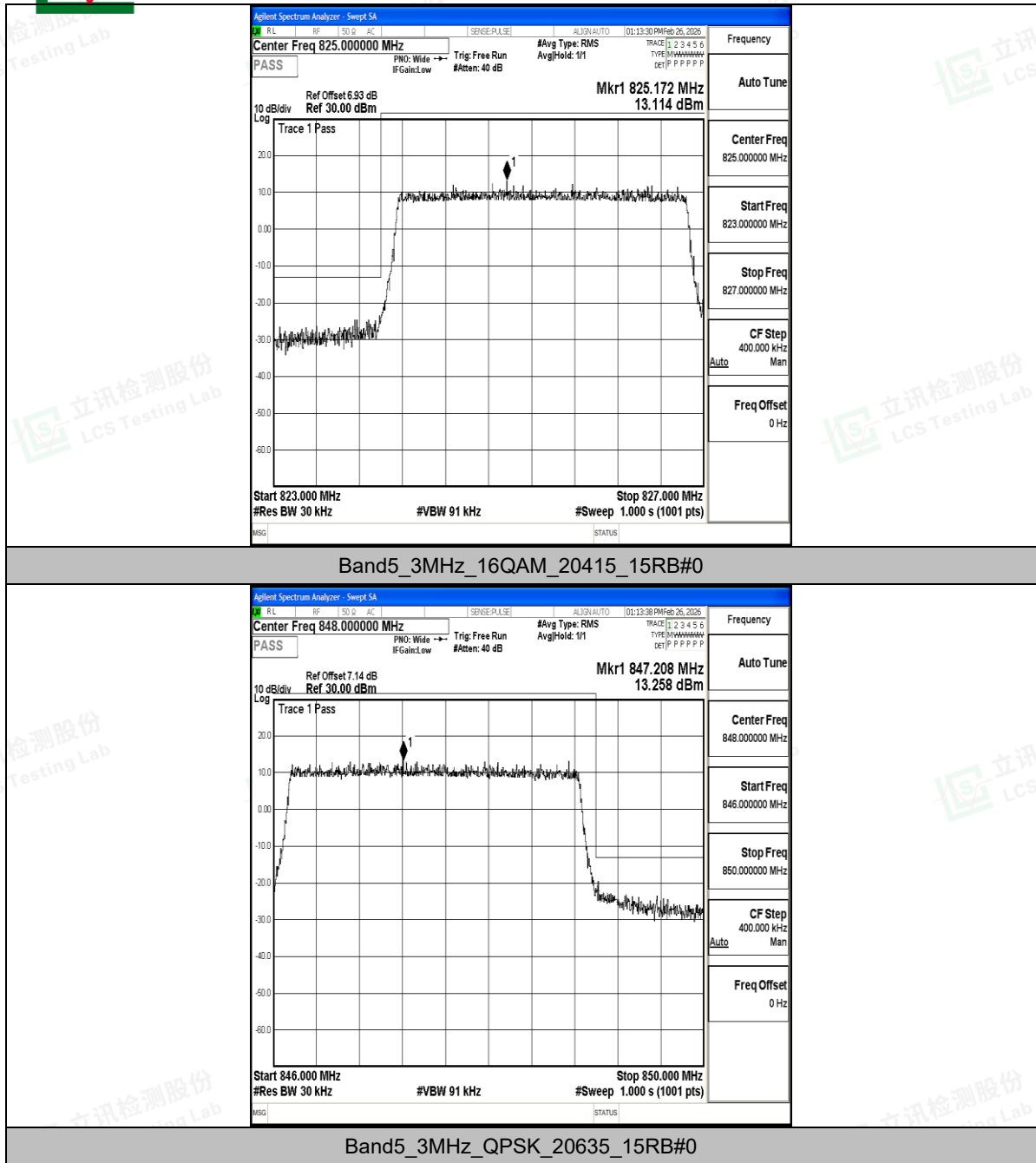


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