



Appendix J: Test Data for E-UTRA Band 5

Product Name: TD-LTE digital mobile phone

Test Model: M17 Pro

Environmental Conditions

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



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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	23.73	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	23.60	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	23.69	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	24.08	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	23.71	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	23.99	PASS
Band5	1.4MHz	QPSK	20407	3RB#0	23.77	PASS
Band5	1.4MHz	16QAM	20407	3RB#0	23.15	PASS
Band5	1.4MHz	QPSK	20407	3RB#1	23.77	PASS
Band5	1.4MHz	16QAM	20407	3RB#1	23.15	PASS
Band5	1.4MHz	QPSK	20407	3RB#3	23.77	PASS
Band5	1.4MHz	16QAM	20407	3RB#3	22.68	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	22.80	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	22.61	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	23.79	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	22.59	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	23.71	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	22.46	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	23.76	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	22.61	PASS
Band5	1.4MHz	QPSK	20525	3RB#0	23.71	PASS
Band5	1.4MHz	16QAM	20525	3RB#0	23.11	PASS
Band5	1.4MHz	QPSK	20525	3RB#1	23.82	PASS
Band5	1.4MHz	16QAM	20525	3RB#1	23.24	PASS
Band5	1.4MHz	QPSK	20525	3RB#3	23.89	PASS
Band5	1.4MHz	16QAM	20525	3RB#3	23.16	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	22.88	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	22.56	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	23.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	23.63	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	23.22	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	23.22	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	22.39	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	22.27	PASS
Band5	1.4MHz	QPSK	20643	3RB#0	23.60	PASS



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Band5	1.4MHz	16QAM	20643	3RB#0	23.04	PASS
Band5	1.4MHz	QPSK	20643	3RB#1	23.51	PASS
Band5	1.4MHz	16QAM	20643	3RB#1	22.76	PASS
Band5	1.4MHz	QPSK	20643	3RB#3	22.91	PASS
Band5	1.4MHz	16QAM	20643	3RB#3	22.46	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	22.75	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	22.49	PASS
Band5	3MHz	QPSK	20415	1RB#0	23.58	PASS
Band5	3MHz	16QAM	20415	1RB#0	22.93	PASS
Band5	3MHz	QPSK	20415	1RB#8	23.47	PASS
Band5	3MHz	16QAM	20415	1RB#8	22.74	PASS
Band5	3MHz	QPSK	20415	1RB#14	23.34	PASS
Band5	3MHz	16QAM	20415	1RB#14	22.70	PASS
Band5	3MHz	QPSK	20415	8RB#0	22.65	PASS
Band5	3MHz	16QAM	20415	8RB#0	22.30	PASS
Band5	3MHz	QPSK	20415	8RB#4	22.50	PASS
Band5	3MHz	16QAM	20415	8RB#4	22.33	PASS
Band5	3MHz	QPSK	20415	8RB#7	22.75	PASS
Band5	3MHz	16QAM	20415	8RB#7	22.33	PASS
Band5	3MHz	QPSK	20415	15RB#0	22.61	PASS
Band5	3MHz	16QAM	20415	15RB#0	22.00	PASS
Band5	3MHz	QPSK	20525	1RB#0	23.64	PASS
Band5	3MHz	16QAM	20525	1RB#0	22.30	PASS
Band5	3MHz	QPSK	20525	1RB#8	23.38	PASS
Band5	3MHz	16QAM	20525	1RB#8	22.25	PASS
Band5	3MHz	QPSK	20525	1RB#14	23.59	PASS
Band5	3MHz	16QAM	20525	1RB#14	22.36	PASS
Band5	3MHz	QPSK	20525	8RB#0	22.57	PASS
Band5	3MHz	16QAM	20525	8RB#0	22.29	PASS
Band5	3MHz	QPSK	20525	8RB#4	22.75	PASS
Band5	3MHz	16QAM	20525	8RB#4	22.30	PASS
Band5	3MHz	QPSK	20525	8RB#7	22.79	PASS
Band5	3MHz	16QAM	20525	8RB#7	22.45	PASS
Band5	3MHz	QPSK	20525	15RB#0	22.67	PASS
Band5	3MHz	16QAM	20525	15RB#0	21.96	PASS
Band5	3MHz	QPSK	20635	1RB#0	23.48	PASS
Band5	3MHz	16QAM	20635	1RB#0	23.62	PASS
Band5	3MHz	QPSK	20635	1RB#8	23.32	PASS
Band5	3MHz	16QAM	20635	1RB#8	23.50	PASS
Band5	3MHz	QPSK	20635	1RB#14	22.40	PASS



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Band5	3MHz	16QAM	20635	1RB#14	22.22	PASS
Band5	3MHz	QPSK	20635	8RB#0	22.77	PASS
Band5	3MHz	16QAM	20635	8RB#0	22.25	PASS
Band5	3MHz	QPSK	20635	8RB#4	22.88	PASS
Band5	3MHz	16QAM	20635	8RB#4	22.24	PASS
Band5	3MHz	QPSK	20635	8RB#7	22.63	PASS
Band5	3MHz	16QAM	20635	8RB#7	22.17	PASS
Band5	3MHz	QPSK	20635	15RB#0	22.67	PASS
Band5	3MHz	16QAM	20635	15RB#0	22.18	PASS
Band5	5MHz	QPSK	20425	1RB#0	23.58	PASS
Band5	5MHz	16QAM	20425	1RB#0	22.37	PASS
Band5	5MHz	QPSK	20425	1RB#12	23.57	PASS
Band5	5MHz	16QAM	20425	1RB#12	22.36	PASS
Band5	5MHz	QPSK	20425	1RB#24	23.58	PASS
Band5	5MHz	16QAM	20425	1RB#24	22.39	PASS
Band5	5MHz	QPSK	20425	12RB#0	22.41	PASS
Band5	5MHz	16QAM	20425	12RB#0	22.04	PASS
Band5	5MHz	QPSK	20425	12RB#6	22.52	PASS
Band5	5MHz	16QAM	20425	12RB#6	22.04	PASS
Band5	5MHz	QPSK	20425	12RB#13	22.62	PASS
Band5	5MHz	16QAM	20425	12RB#13	22.06	PASS
Band5	5MHz	QPSK	20425	25RB#0	22.61	PASS
Band5	5MHz	16QAM	20425	25RB#0	22.16	PASS
Band5	5MHz	QPSK	20525	1RB#0	23.44	PASS
Band5	5MHz	16QAM	20525	1RB#0	23.34	PASS
Band5	5MHz	QPSK	20525	1RB#12	23.39	PASS
Band5	5MHz	16QAM	20525	1RB#12	23.44	PASS
Band5	5MHz	QPSK	20525	1RB#24	23.83	PASS
Band5	5MHz	16QAM	20525	1RB#24	23.13	PASS
Band5	5MHz	QPSK	20525	12RB#0	22.82	PASS
Band5	5MHz	16QAM	20525	12RB#0	22.01	PASS
Band5	5MHz	QPSK	20525	12RB#6	22.68	PASS
Band5	5MHz	16QAM	20525	12RB#6	22.02	PASS
Band5	5MHz	QPSK	20525	12RB#13	22.58	PASS
Band5	5MHz	16QAM	20525	12RB#13	22.32	PASS
Band5	5MHz	QPSK	20525	25RB#0	22.73	PASS
Band5	5MHz	16QAM	20525	25RB#0	22.00	PASS
Band5	5MHz	QPSK	20625	1RB#0	23.59	PASS
Band5	5MHz	16QAM	20625	1RB#0	22.98	PASS
Band5	5MHz	QPSK	20625	1RB#12	23.41	PASS



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Band5	5MHz	16QAM	20625	1RB#12	22.85	PASS
Band5	5MHz	QPSK	20625	1RB#24	22.99	PASS
Band5	5MHz	16QAM	20625	1RB#24	22.44	PASS
Band5	5MHz	QPSK	20625	12RB#0	22.81	PASS
Band5	5MHz	16QAM	20625	12RB#0	22.14	PASS
Band5	5MHz	QPSK	20625	12RB#6	22.80	PASS
Band5	5MHz	16QAM	20625	12RB#6	22.39	PASS
Band5	5MHz	QPSK	20625	12RB#13	22.45	PASS
Band5	5MHz	16QAM	20625	12RB#13	22.14	PASS
Band5	5MHz	QPSK	20625	25RB#0	22.67	PASS
Band5	5MHz	16QAM	20625	25RB#0	22.27	PASS
Band5	10MHz	QPSK	20450	1RB#0	23.50	PASS
Band5	10MHz	16QAM	20450	1RB#0	22.99	PASS
Band5	10MHz	QPSK	20450	1RB#24	23.45	PASS
Band5	10MHz	16QAM	20450	1RB#24	23.03	PASS
Band5	10MHz	QPSK	20450	1RB#49	23.50	PASS
Band5	10MHz	16QAM	20450	1RB#49	23.09	PASS
Band5	10MHz	QPSK	20450	25RB#0	22.86	PASS
Band5	10MHz	16QAM	20450	25RB#0	22.14	PASS
Band5	10MHz	QPSK	20450	25RB#12	22.51	PASS
Band5	10MHz	16QAM	20450	25RB#12	22.14	PASS
Band5	10MHz	QPSK	20450	25RB#25	22.56	PASS
Band5	10MHz	16QAM	20450	25RB#25	22.05	PASS
Band5	10MHz	QPSK	20450	50RB#0	22.61	PASS
Band5	10MHz	16QAM	20450	50RB#0	22.06	PASS
Band5	10MHz	QPSK	20525	1RB#0	23.40	PASS
Band5	10MHz	16QAM	20525	1RB#0	23.12	PASS
Band5	10MHz	QPSK	20525	1RB#24	23.48	PASS
Band5	10MHz	16QAM	20525	1RB#24	23.22	PASS
Band5	10MHz	QPSK	20525	1RB#49	23.68	PASS
Band5	10MHz	16QAM	20525	1RB#49	23.21	PASS
Band5	10MHz	QPSK	20525	25RB#0	22.58	PASS
Band5	10MHz	16QAM	20525	25RB#0	22.25	PASS
Band5	10MHz	QPSK	20525	25RB#12	22.60	PASS
Band5	10MHz	16QAM	20525	25RB#12	22.26	PASS
Band5	10MHz	QPSK	20525	25RB#25	22.79	PASS
Band5	10MHz	16QAM	20525	25RB#25	22.24	PASS
Band5	10MHz	QPSK	20525	50RB#0	22.72	PASS
Band5	10MHz	16QAM	20525	50RB#0	22.11	PASS
Band5	10MHz	QPSK	20600	1RB#0	23.49	PASS



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Band5	10MHz	16QAM	20600	1RB#0	23.60	PASS
Band5	10MHz	QPSK	20600	1RB#24	23.53	PASS
Band5	10MHz	16QAM	20600	1RB#24	23.51	PASS
Band5	10MHz	QPSK	20600	1RB#49	23.14	PASS
Band5	10MHz	16QAM	20600	1RB#49	23.07	PASS
Band5	10MHz	QPSK	20600	25RB#0	22.73	PASS
Band5	10MHz	16QAM	20600	25RB#0	22.26	PASS
Band5	10MHz	QPSK	20600	25RB#12	22.77	PASS
Band5	10MHz	16QAM	20600	25RB#12	22.28	PASS
Band5	10MHz	QPSK	20600	25RB#25	22.73	PASS
Band5	10MHz	16QAM	20600	25RB#25	22.37	PASS
Band5	10MHz	QPSK	20600	50RB#0	22.77	PASS
Band5	10MHz	16QAM	20600	50RB#0	22.17	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	4.99	13	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	5.31	13	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	5.76	13	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	6.35	13	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	4.74	13	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	5.62	13	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	5.56	13	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	6.13	13	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	3.89	13	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	3.58	13	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	4.32	13	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	5.07	13	PASS
Band5	3MHz	QPSK	20415	1RB#0	5.05	13	PASS
Band5	3MHz	16QAM	20415	1RB#0	5.71	13	PASS
Band5	3MHz	QPSK	20415	15RB#0	5.85	13	PASS
Band5	3MHz	16QAM	20415	15RB#0	6.55	13	PASS
Band5	3MHz	QPSK	20525	1RB#0	4.77	13	PASS
Band5	3MHz	16QAM	20525	1RB#0	5.54	13	PASS
Band5	3MHz	QPSK	20525	15RB#0	5.61	13	PASS
Band5	3MHz	16QAM	20525	15RB#0	6.25	13	PASS
Band5	3MHz	QPSK	20635	1RB#0	3.69	13	PASS
Band5	3MHz	16QAM	20635	1RB#0	3.71	13	PASS
Band5	3MHz	QPSK	20635	15RB#0	4.72	13	PASS
Band5	3MHz	16QAM	20635	15RB#0	5.36	13	PASS
Band5	5MHz	QPSK	20425	1RB#0	5.22	13	PASS
Band5	5MHz	16QAM	20425	1RB#0	5.90	13	PASS
Band5	5MHz	QPSK	20425	25RB#0	5.81	13	PASS
Band5	5MHz	16QAM	20425	25RB#0	6.44	13	PASS
Band5	5MHz	QPSK	20525	1RB#0	5.01	13	PASS
Band5	5MHz	16QAM	20525	1RB#0	5.13	13	PASS
Band5	5MHz	QPSK	20525	25RB#0	5.63	13	PASS
Band5	5MHz	16QAM	20525	25RB#0	6.25	13	PASS
Band5	5MHz	QPSK	20625	1RB#0	4.16	13	PASS
Band5	5MHz	16QAM	20625	1RB#0	4.63	13	PASS
Band5	5MHz	QPSK	20625	25RB#0	5.29	13	PASS



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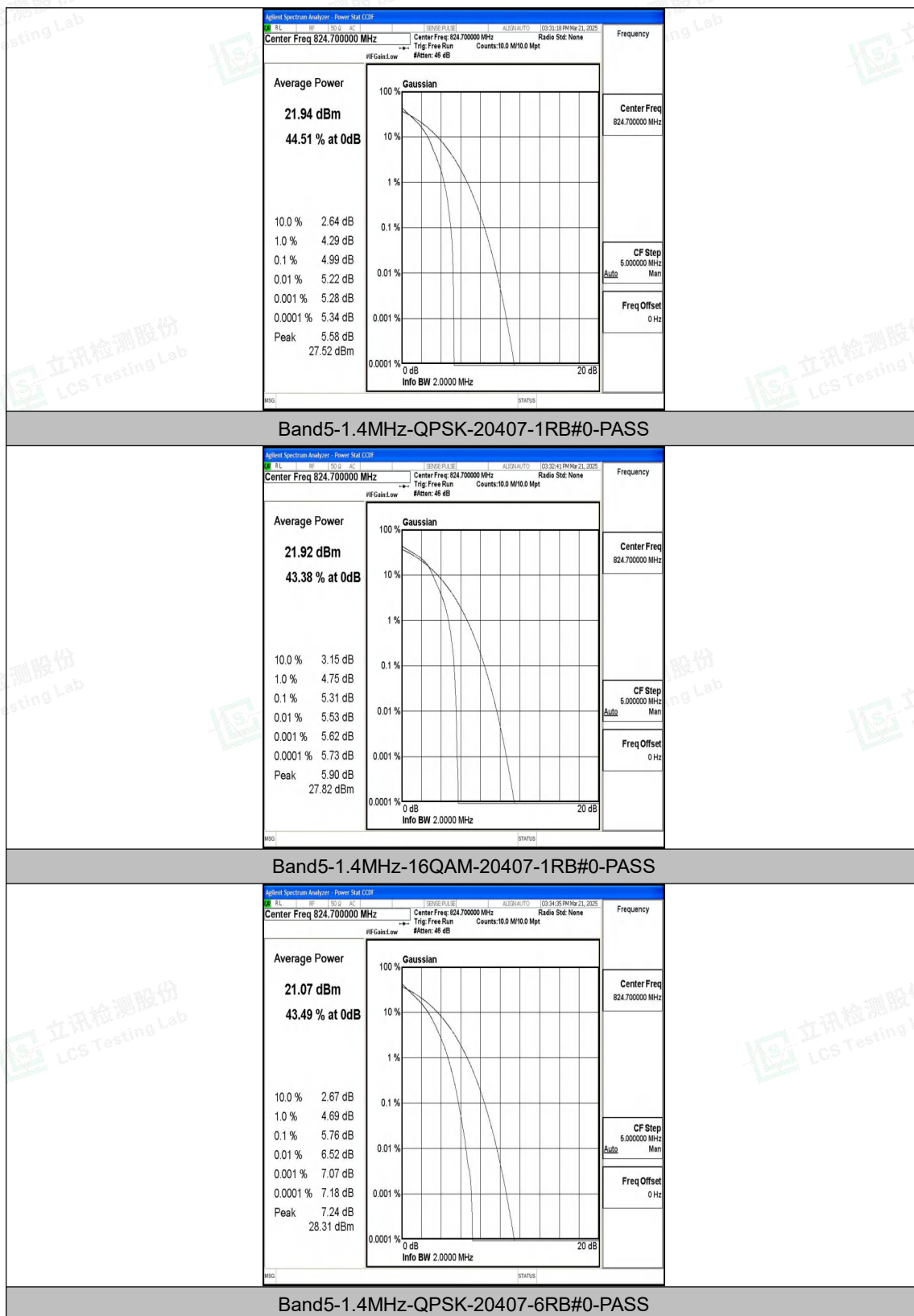


Band5	5MHz	16QAM	20625	25RB#0	5.88	13	PASS
Band5	10MHz	QPSK	20450	1RB#0	5.18	13	PASS
Band5	10MHz	16QAM	20450	1RB#0	5.71	13	PASS
Band5	10MHz	QPSK	20450	50RB#0	5.71	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	6.39	13	PASS
Band5	10MHz	QPSK	20525	1RB#0	4.89	13	PASS
Band5	10MHz	16QAM	20525	1RB#0	5.66	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.66	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	6.33	13	PASS
Band5	10MHz	QPSK	20600	1RB#0	4.79	13	PASS
Band5	10MHz	16QAM	20600	1RB#0	5.34	13	PASS
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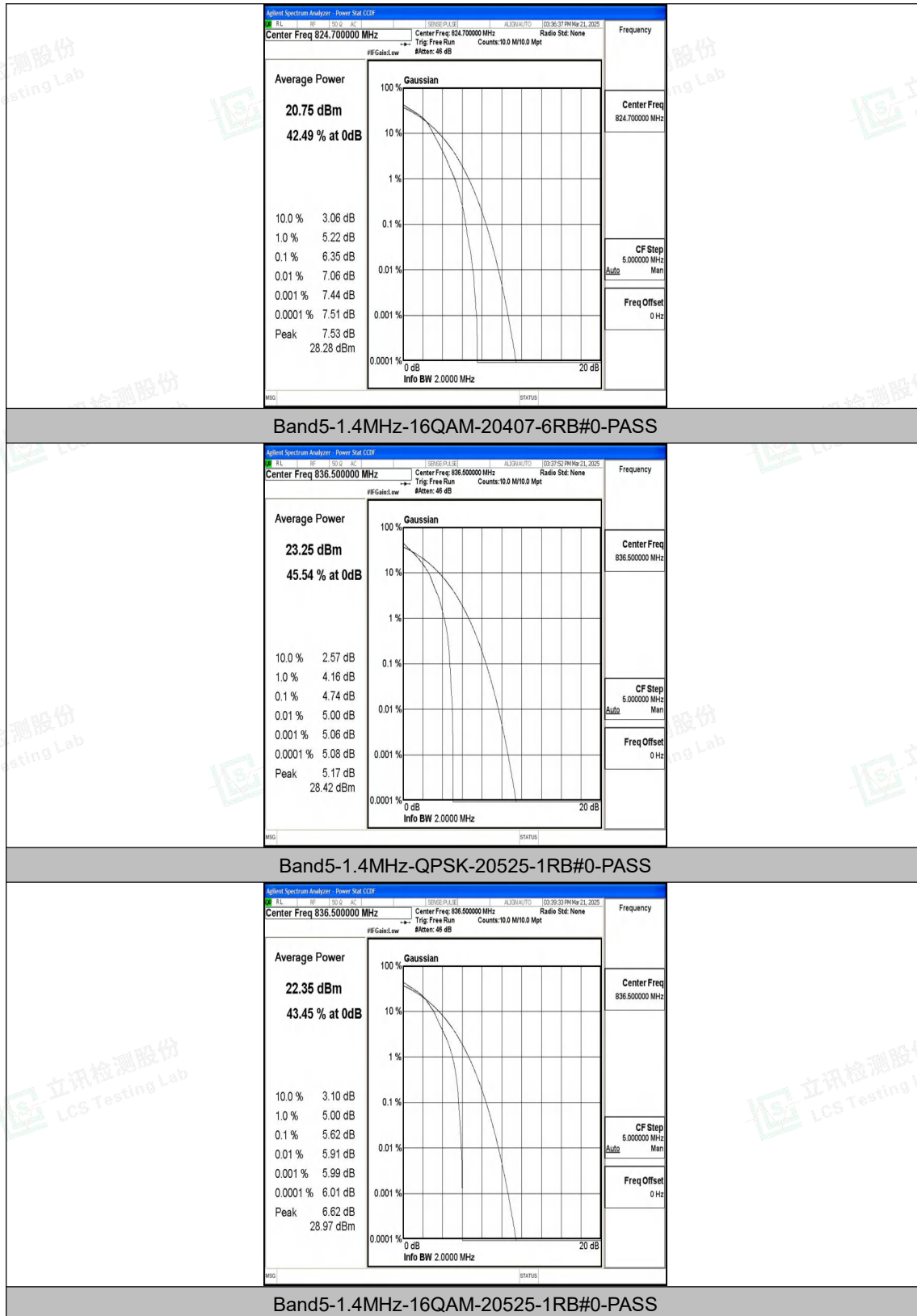


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Test Graphs



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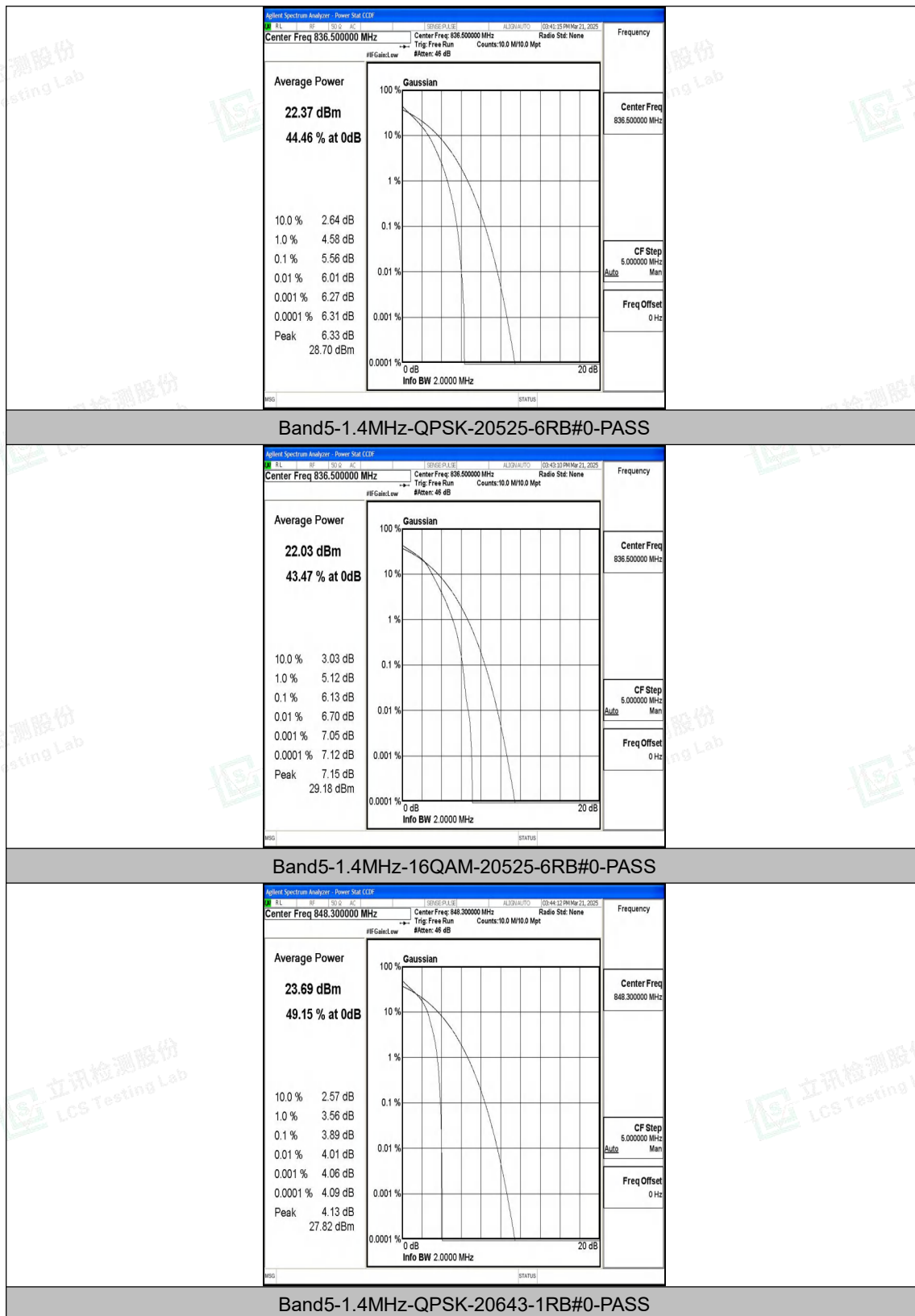


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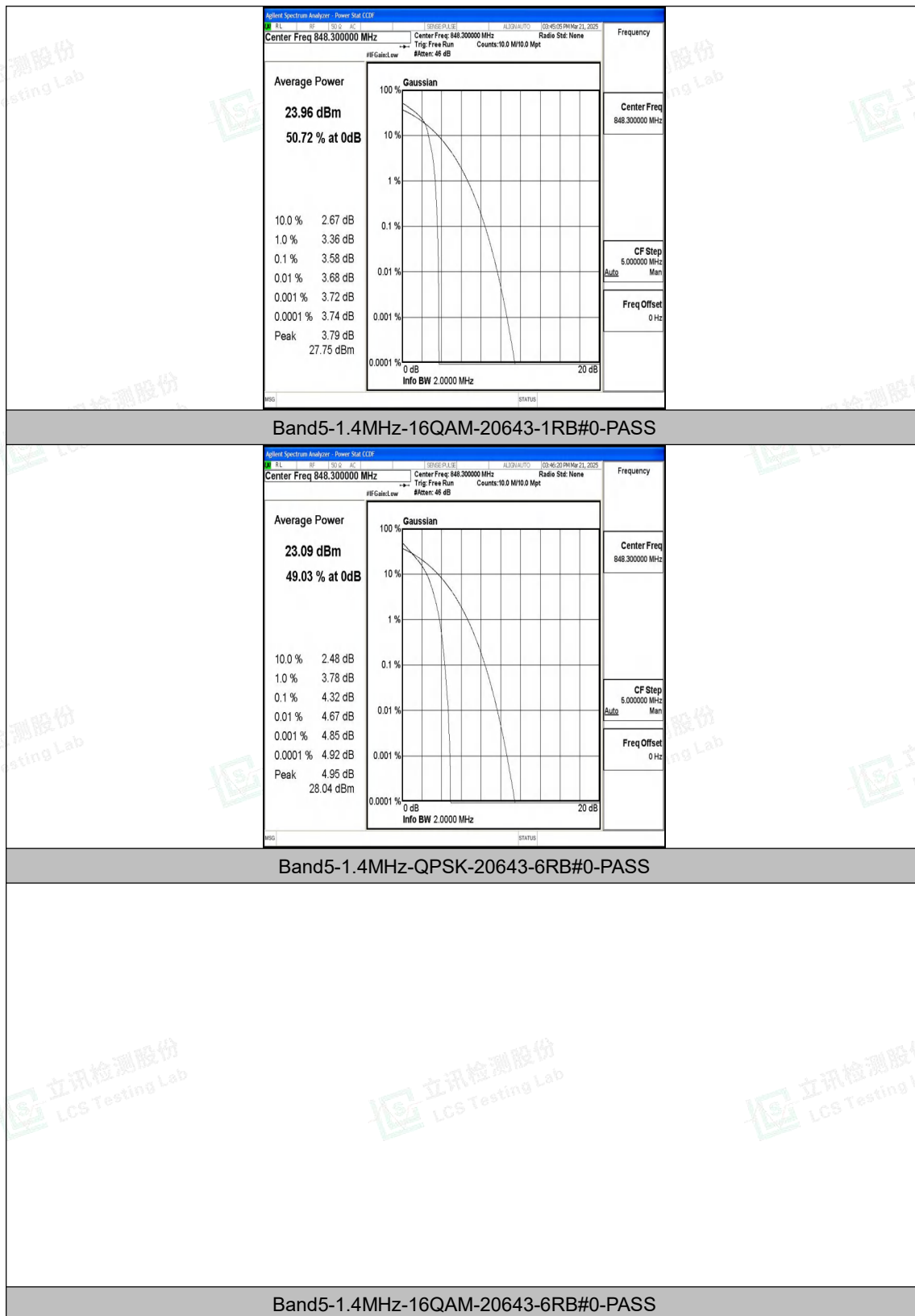


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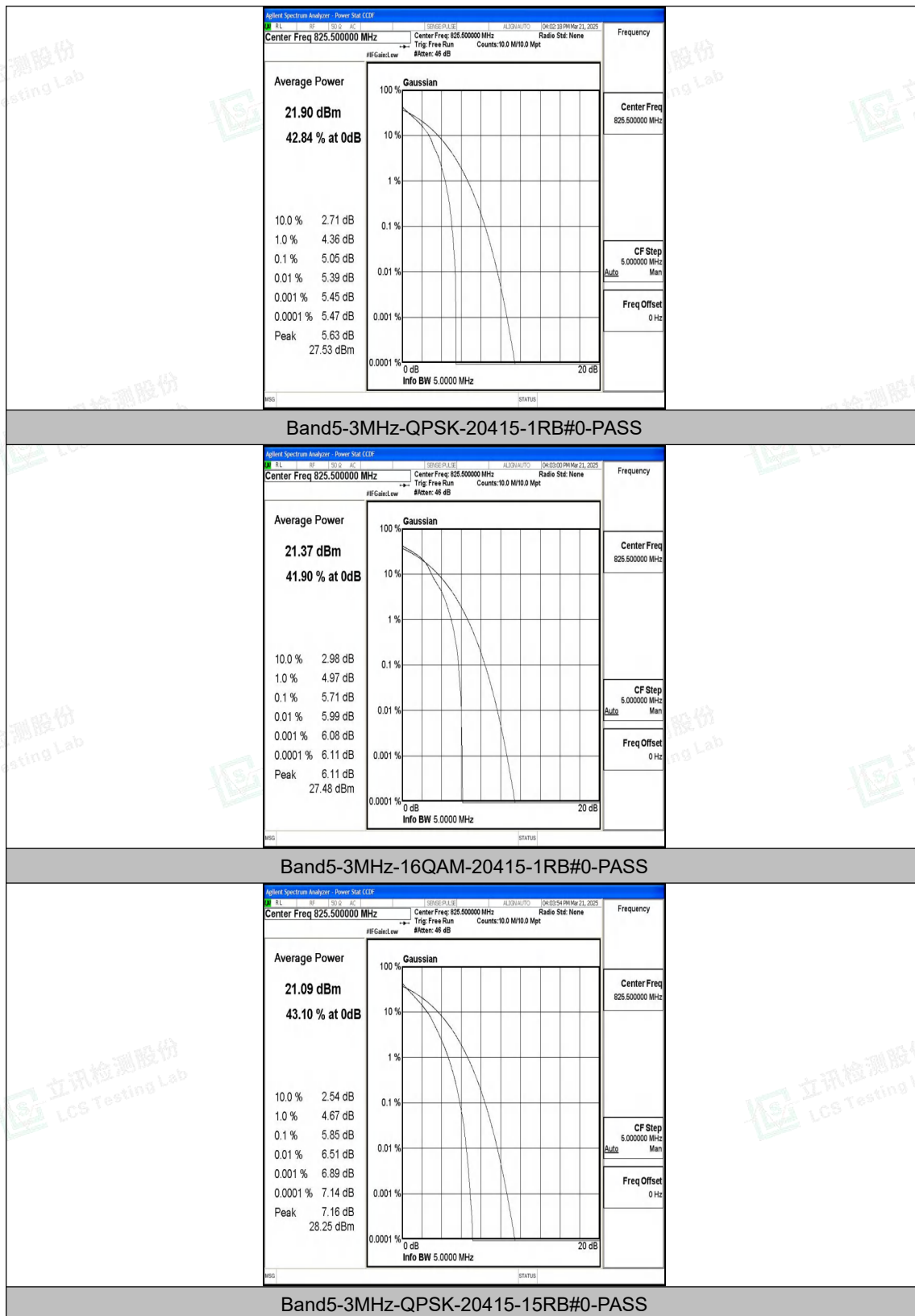


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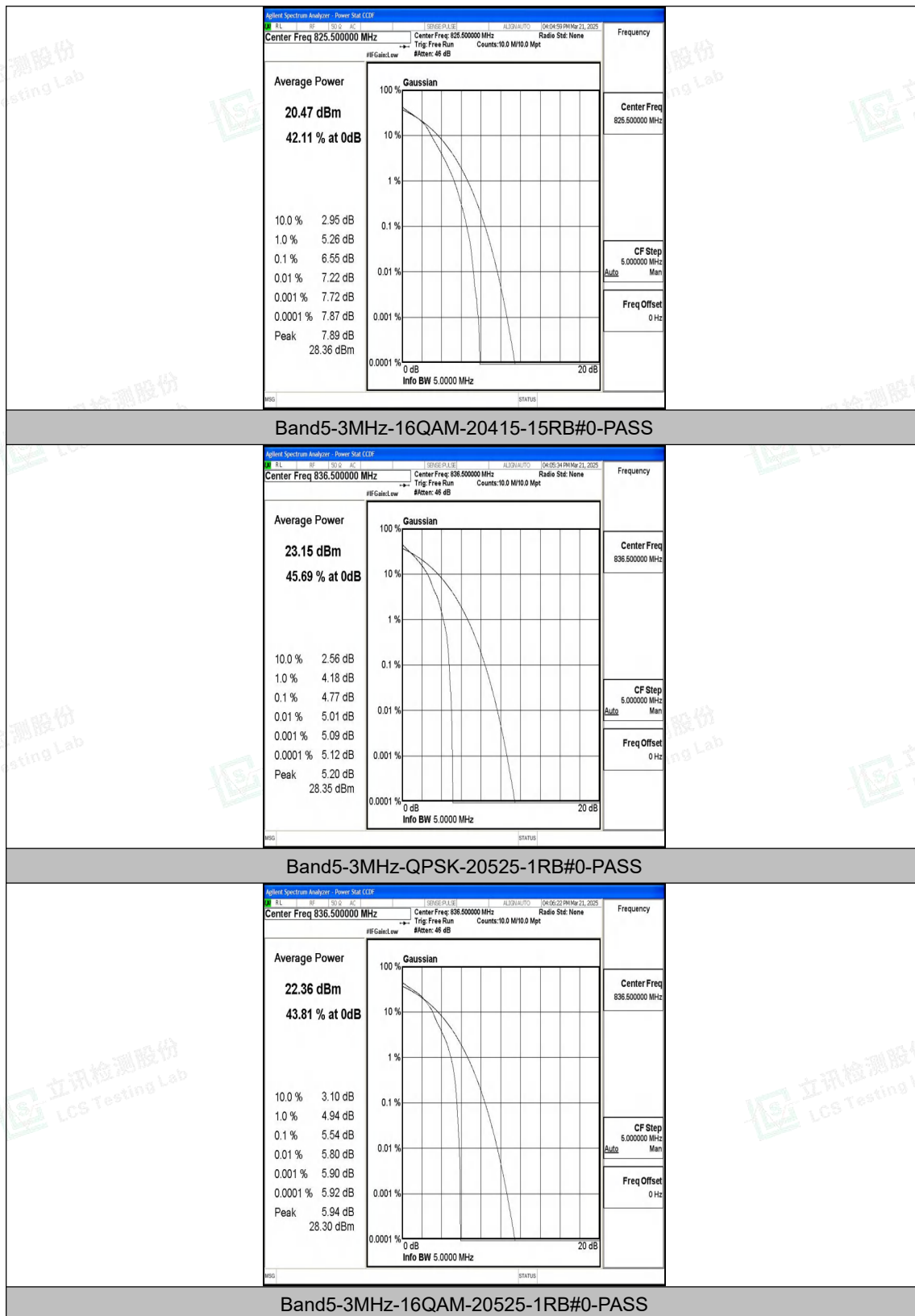


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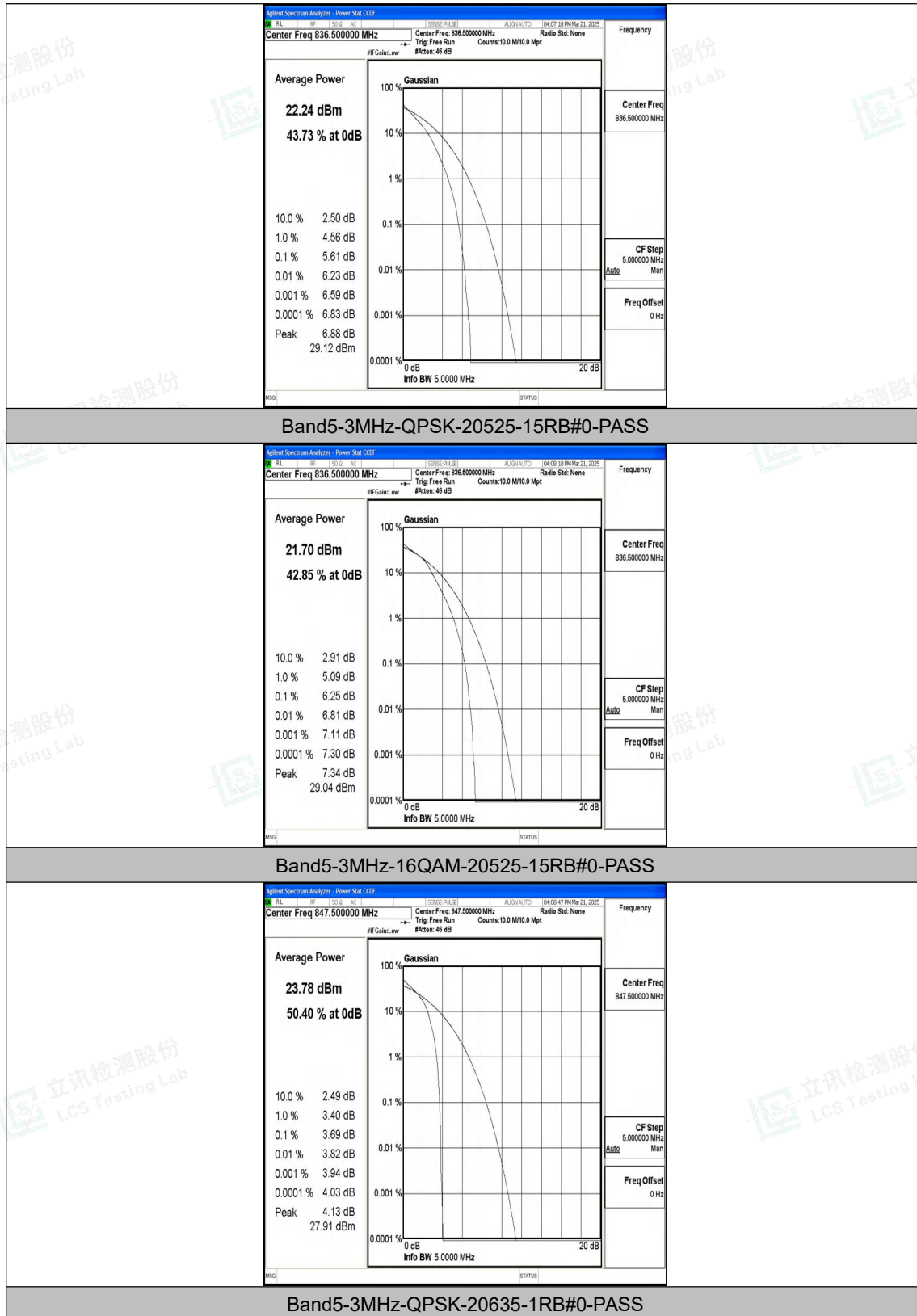


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Scan code to check authenticity

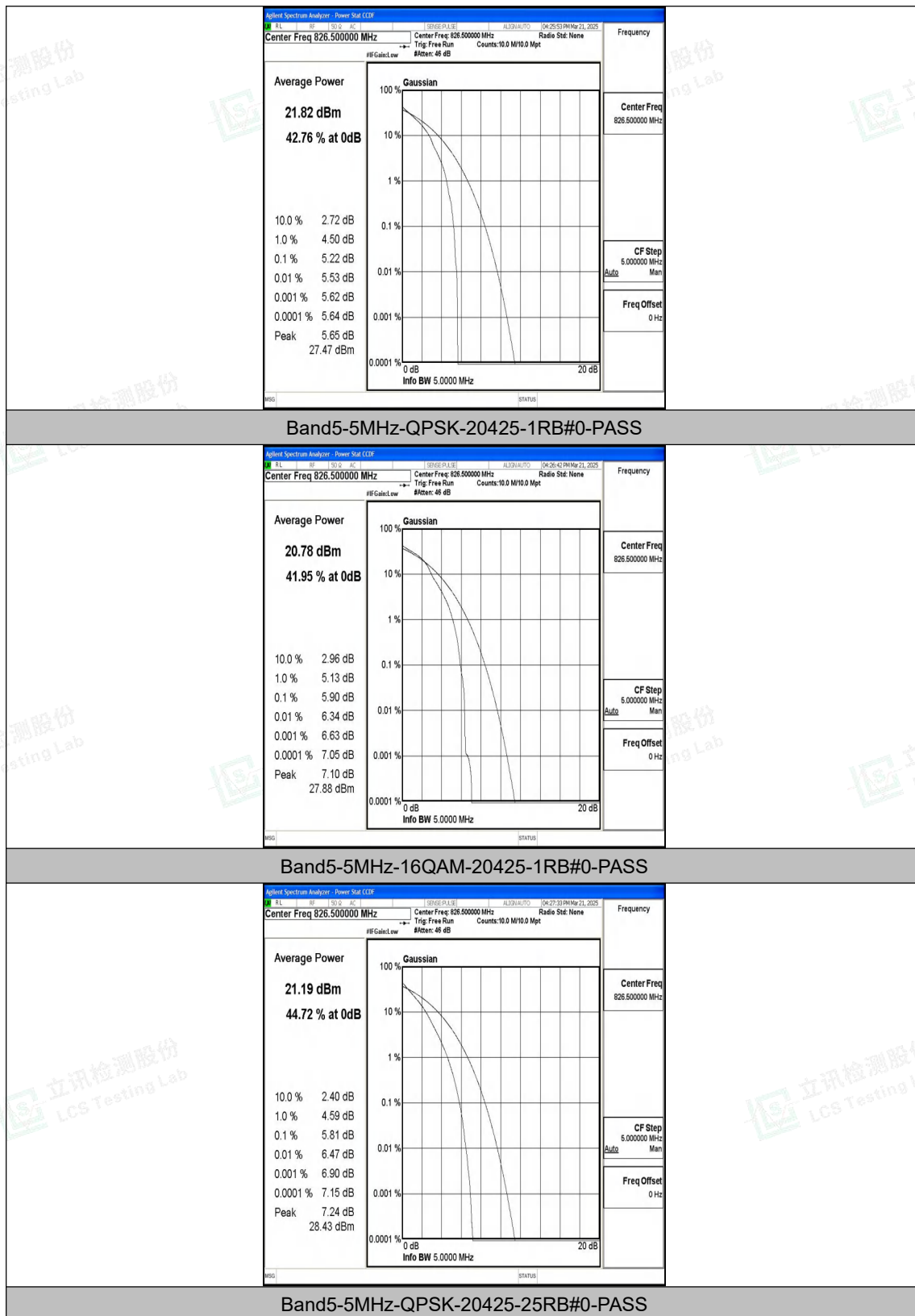


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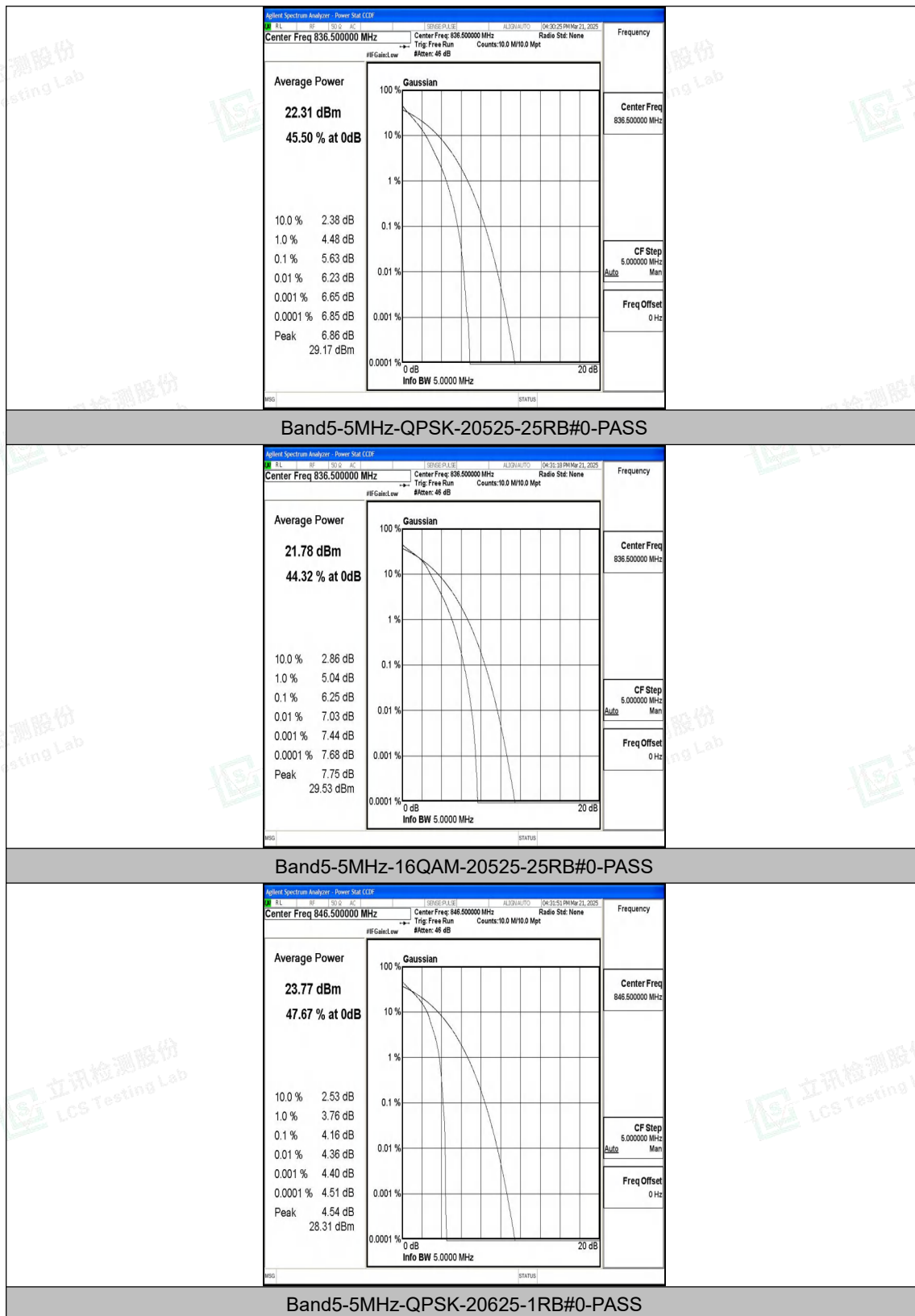


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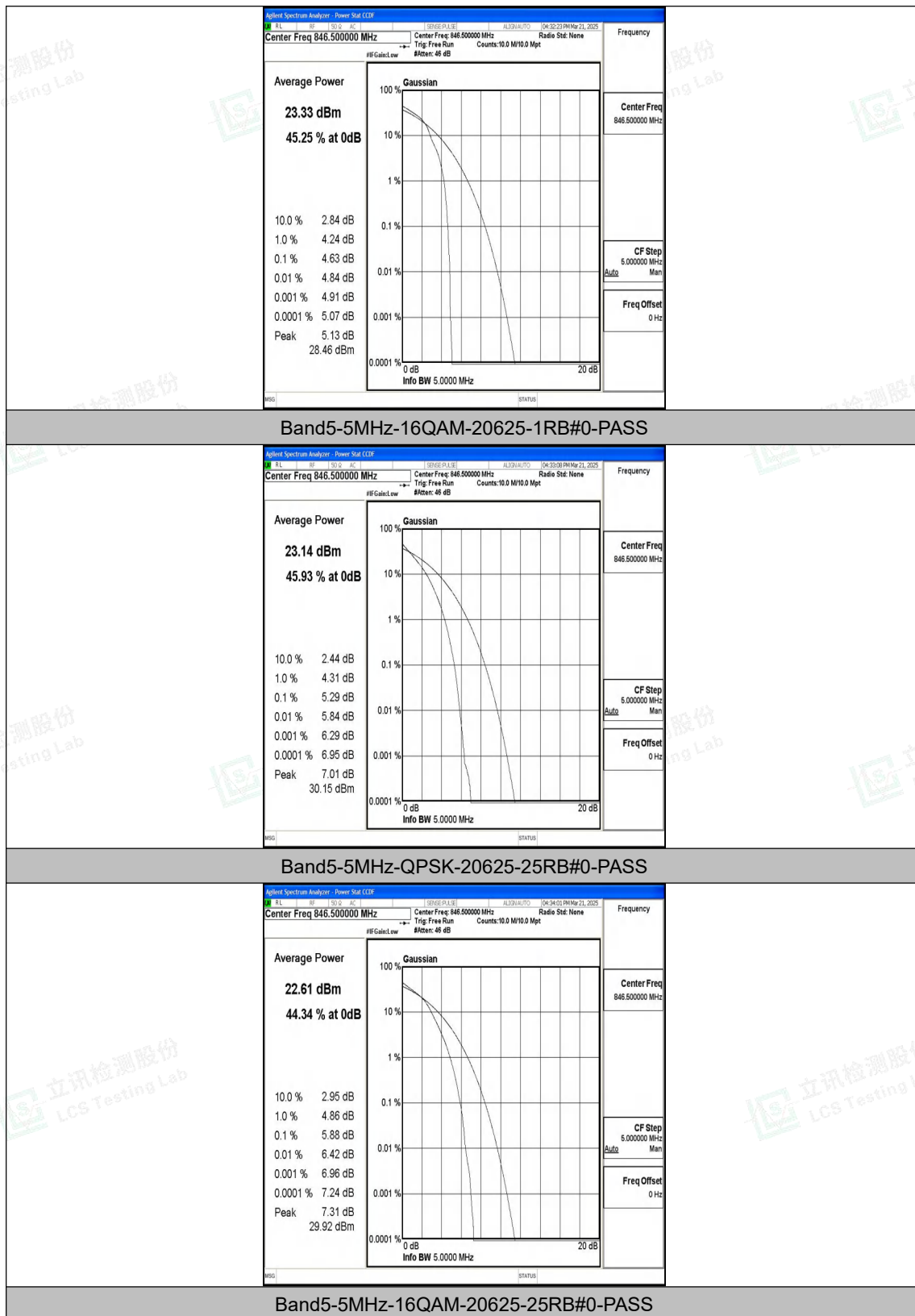


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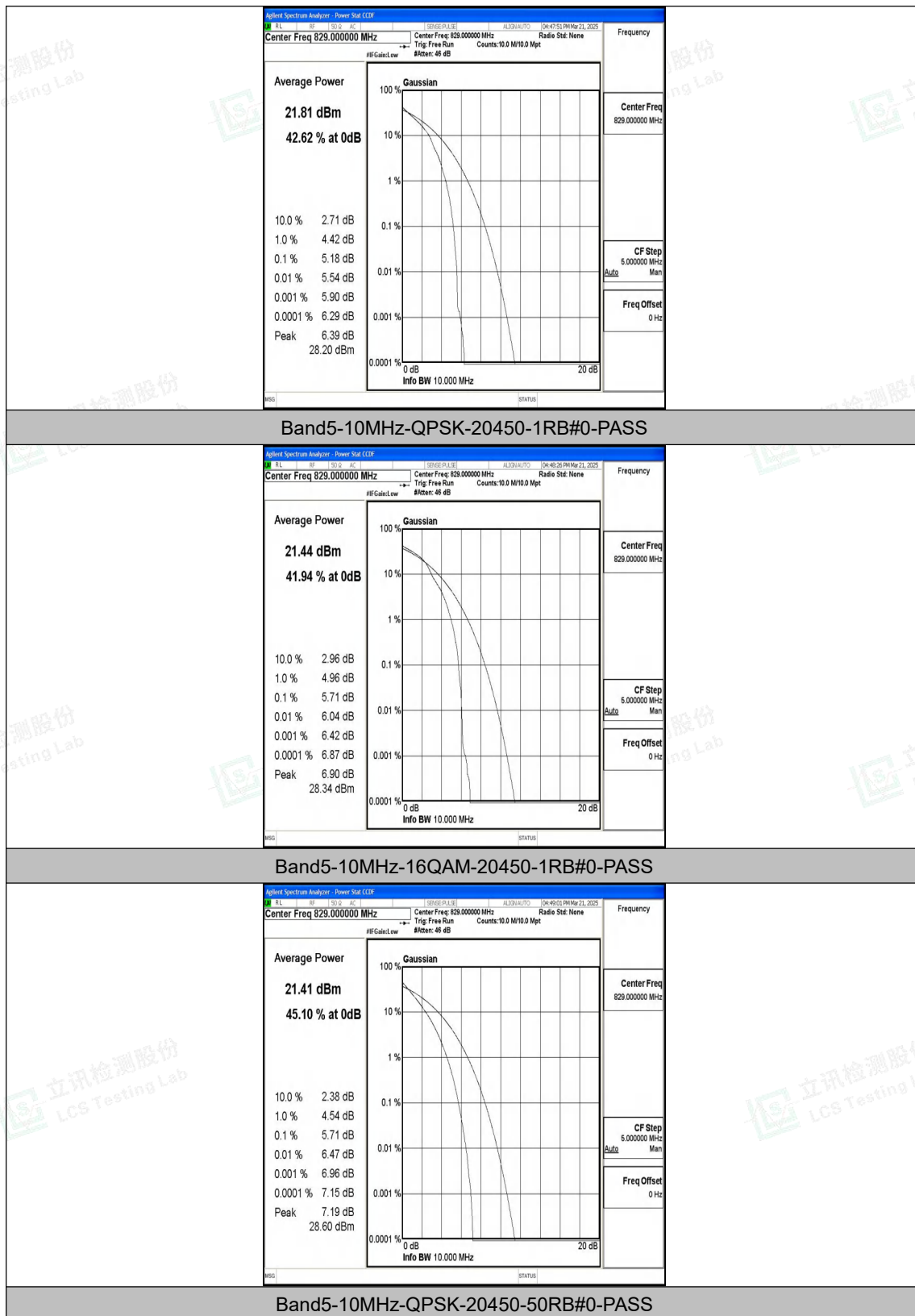


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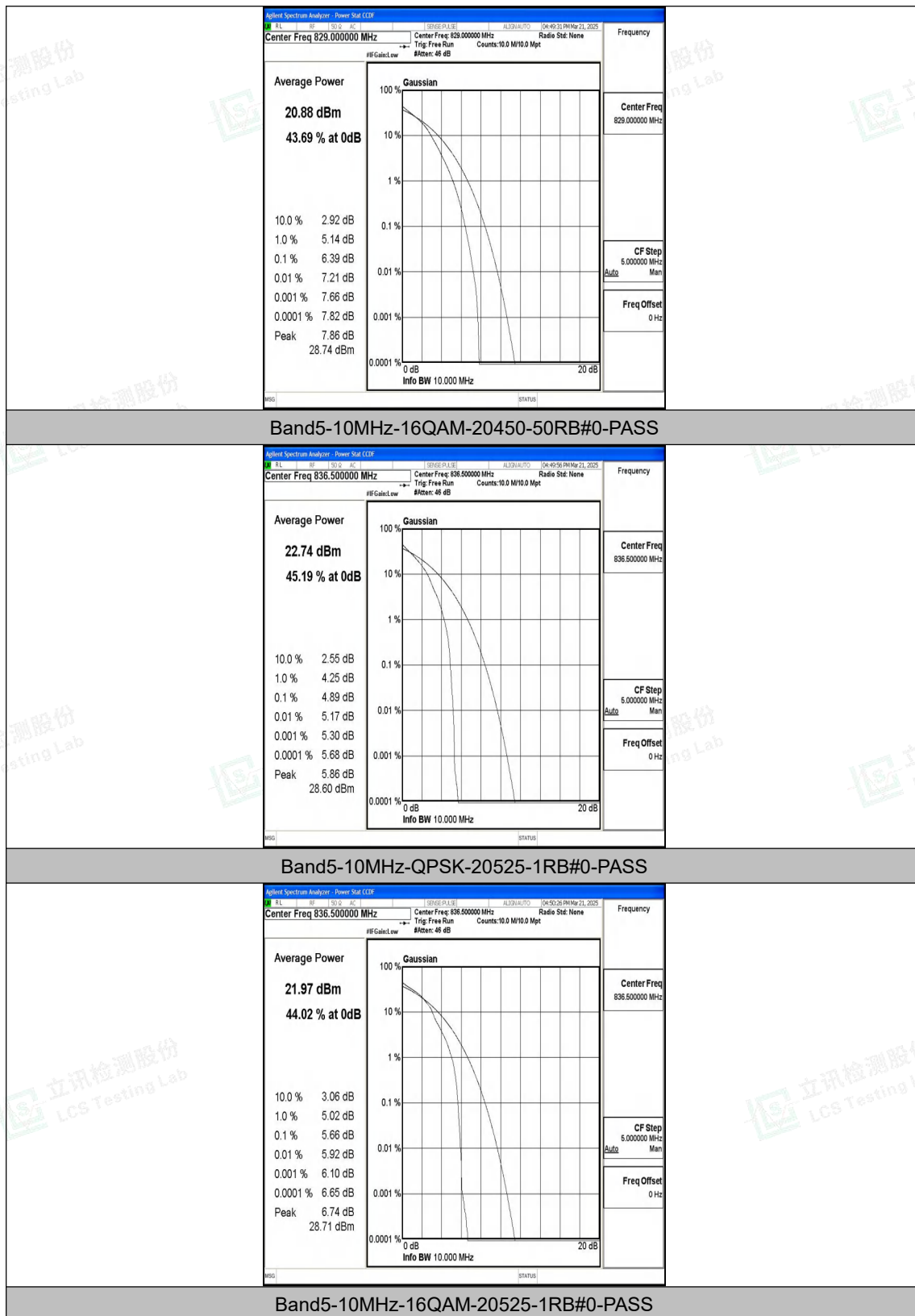


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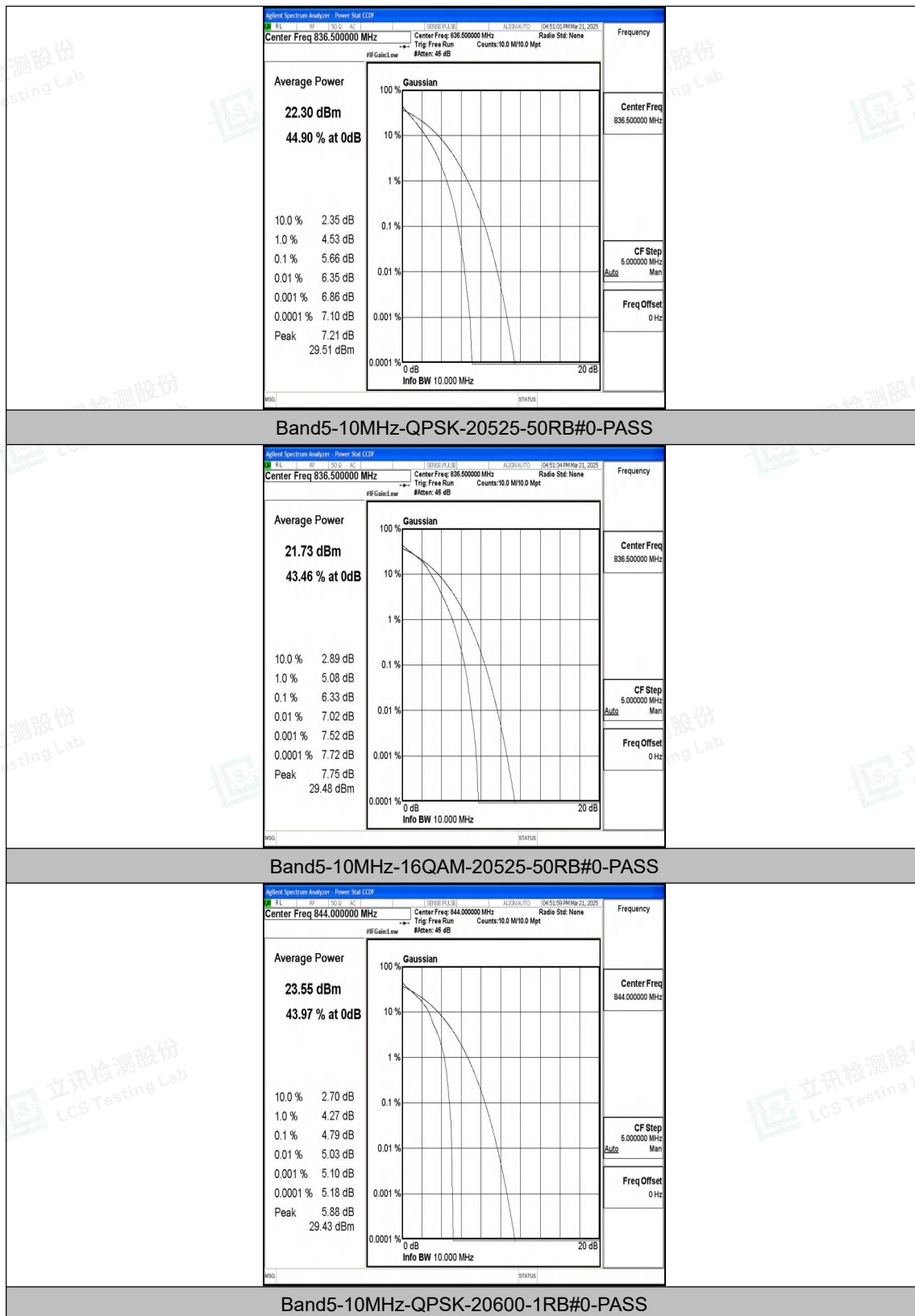


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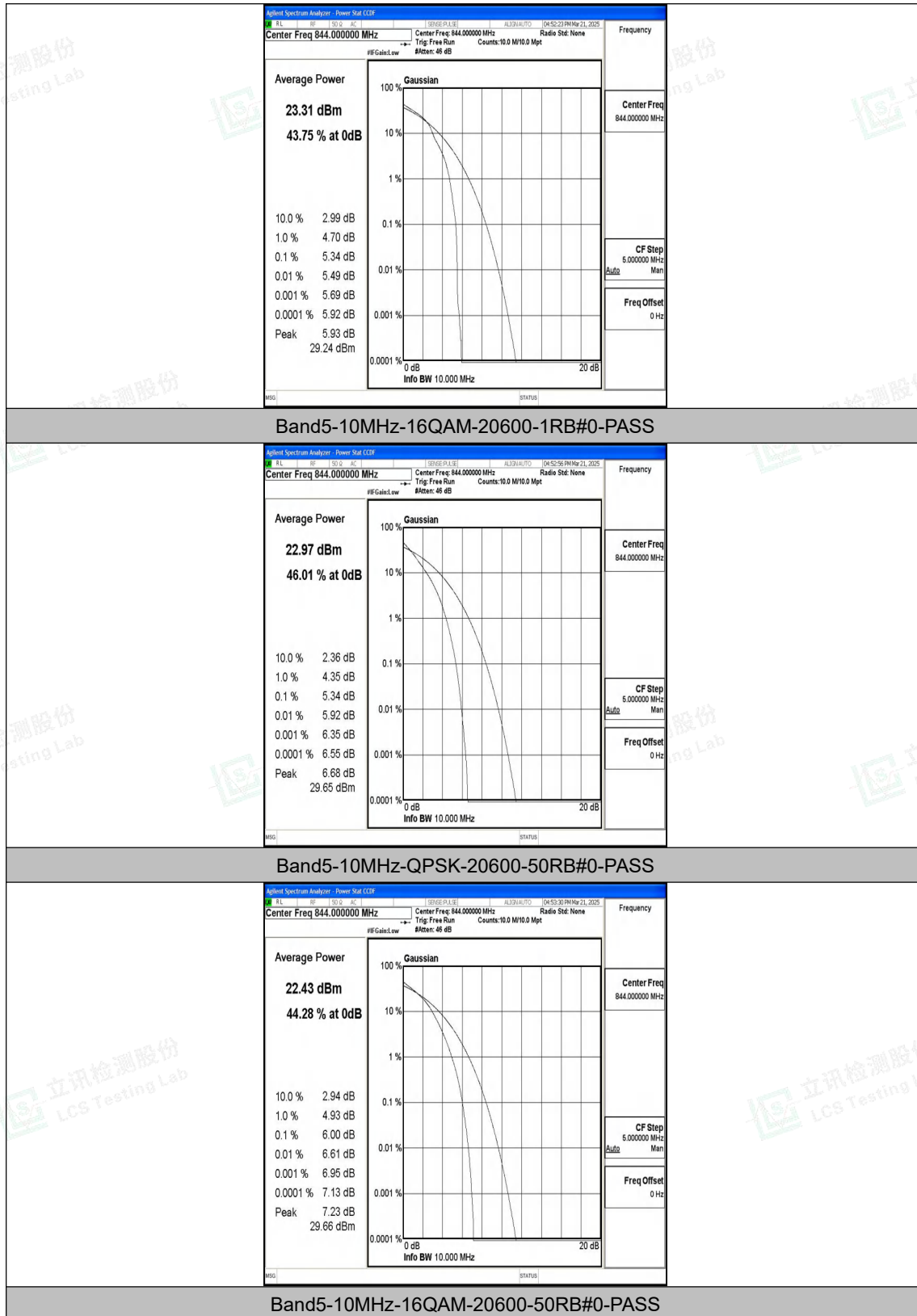


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J.3 26dB Bandwidth and Occupied Bandwidth

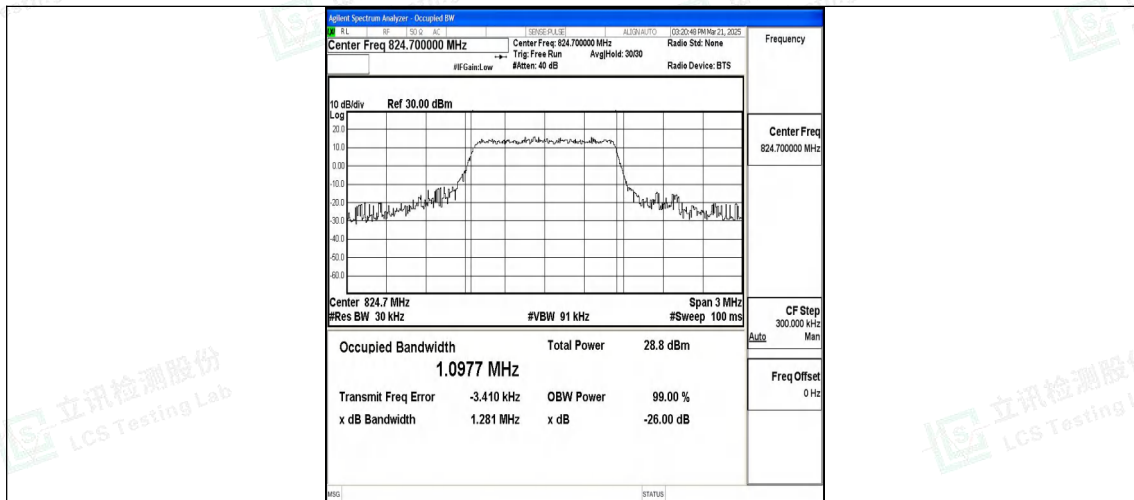
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	1.0977	1.281	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.0940	1.267	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.7783	3.433	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.7443	3.269	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.7554	3.445	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.7643	3.568	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.7615	3.239	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.7689	3.810	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.5393	5.206	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.5358	5.320	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.5200	5.337	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.5259	5.385	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.5266	5.392	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.5546	5.368	PASS
Band5	10MHz	QPSK	20450	50RB#0	8.9863	10.06	PASS
Band5	10MHz	16QAM	20450	50RB#0	8.9802	10.08	PASS
Band5	10MHz	QPSK	20525	50RB#0	9.0018	10.06	PASS
Band5	10MHz	16QAM	20525	50RB#0	9.0167	10.42	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.9671	9.948	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.9850	9.935	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.1010	1.308	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.1000	1.290	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.0991	1.354	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.1037	1.250	PASS

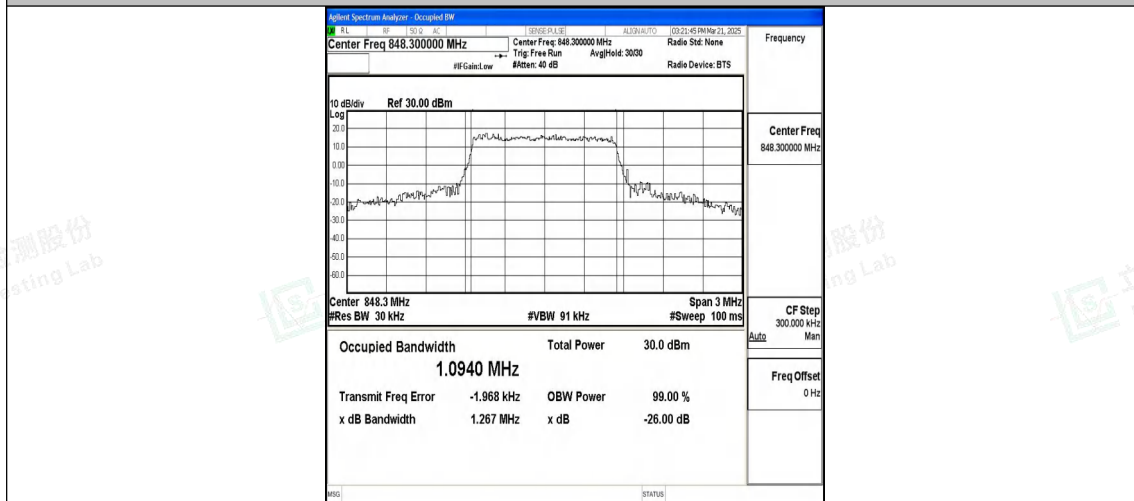




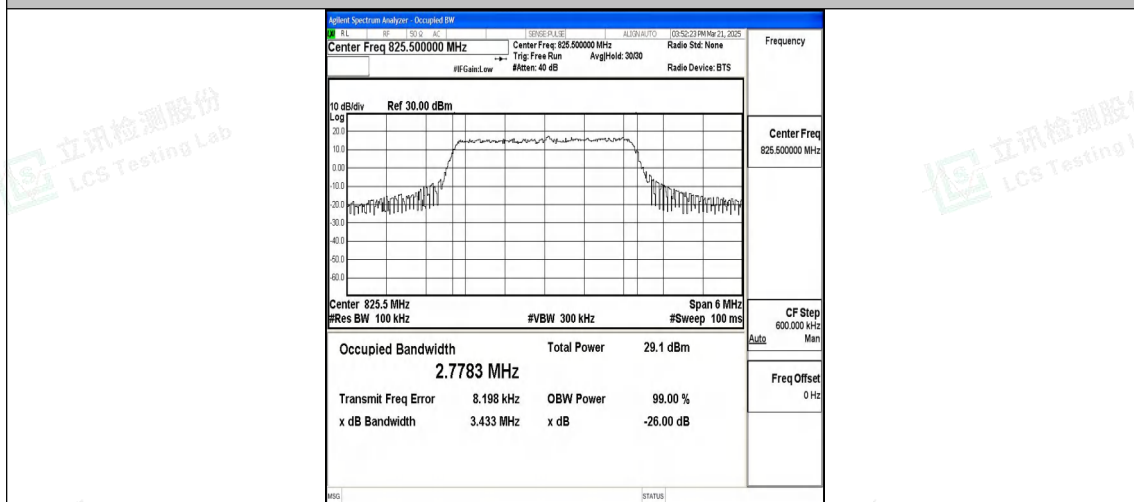
Test Graphs



Band5-1.4MHz-QPSK-20407-6RB#0-PASS



Band5-1.4MHz-16QAM-20643-6RB#0-PASS



Band5-3MHz-QPSK-20415-15RB#0-PASS

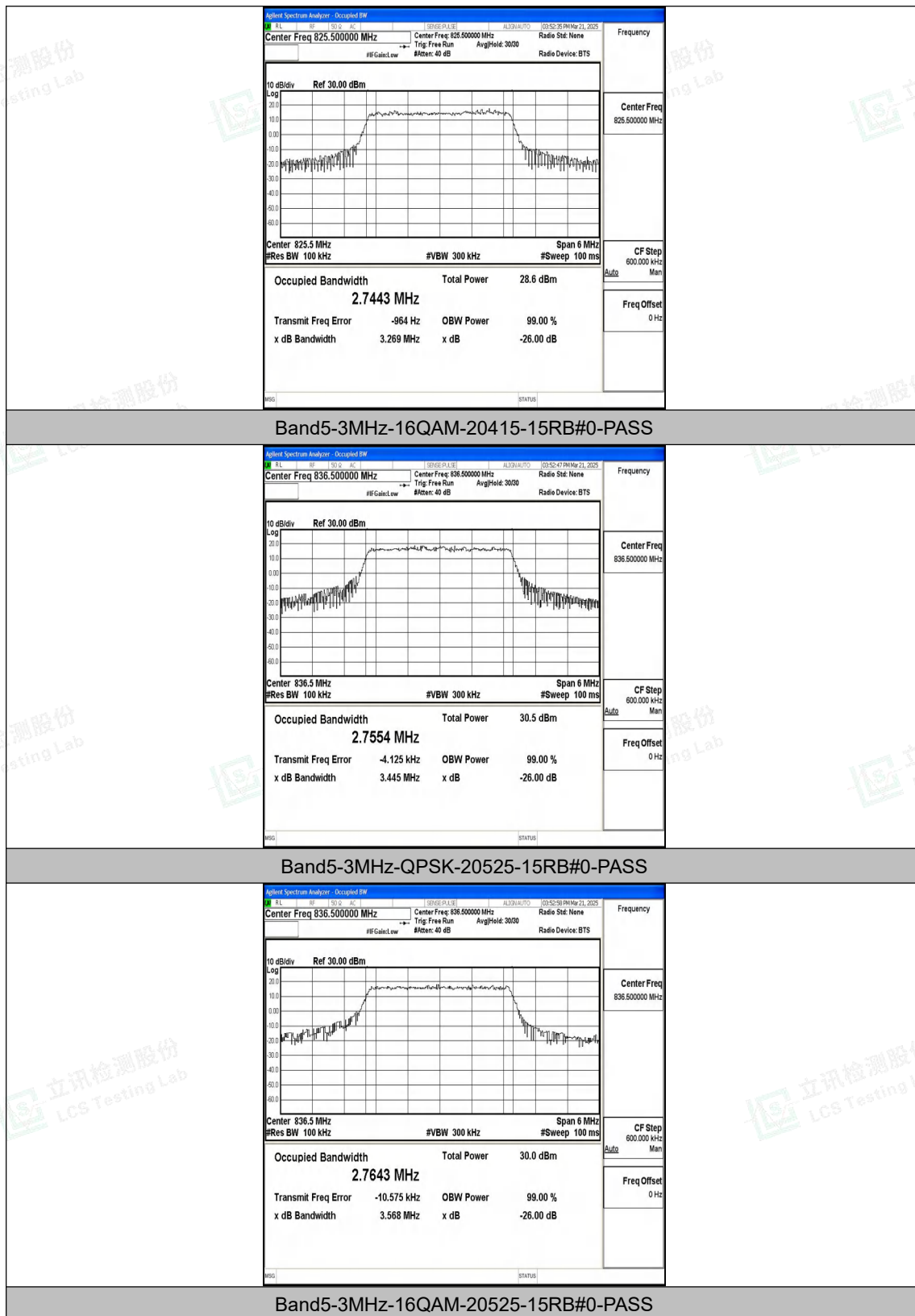


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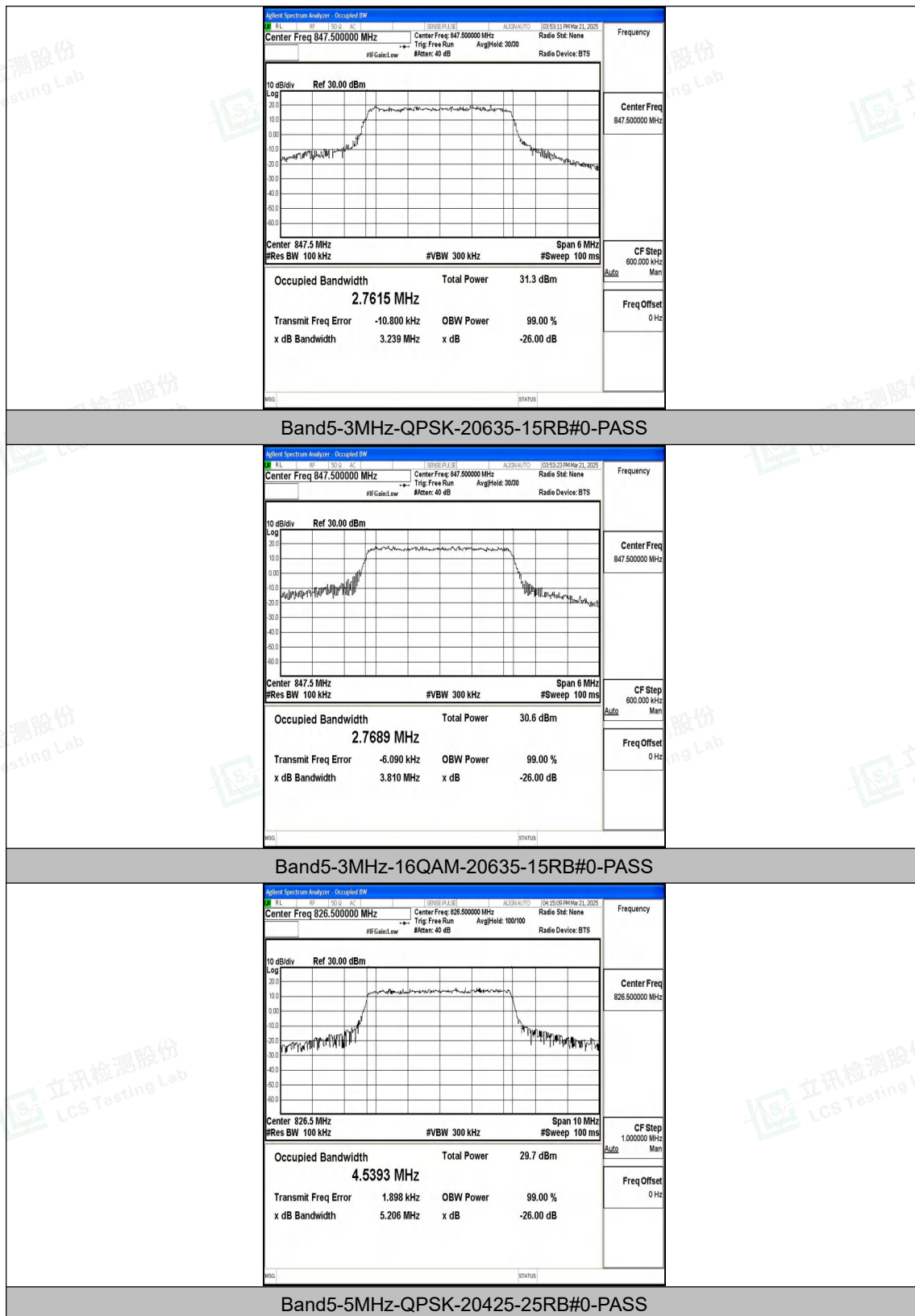


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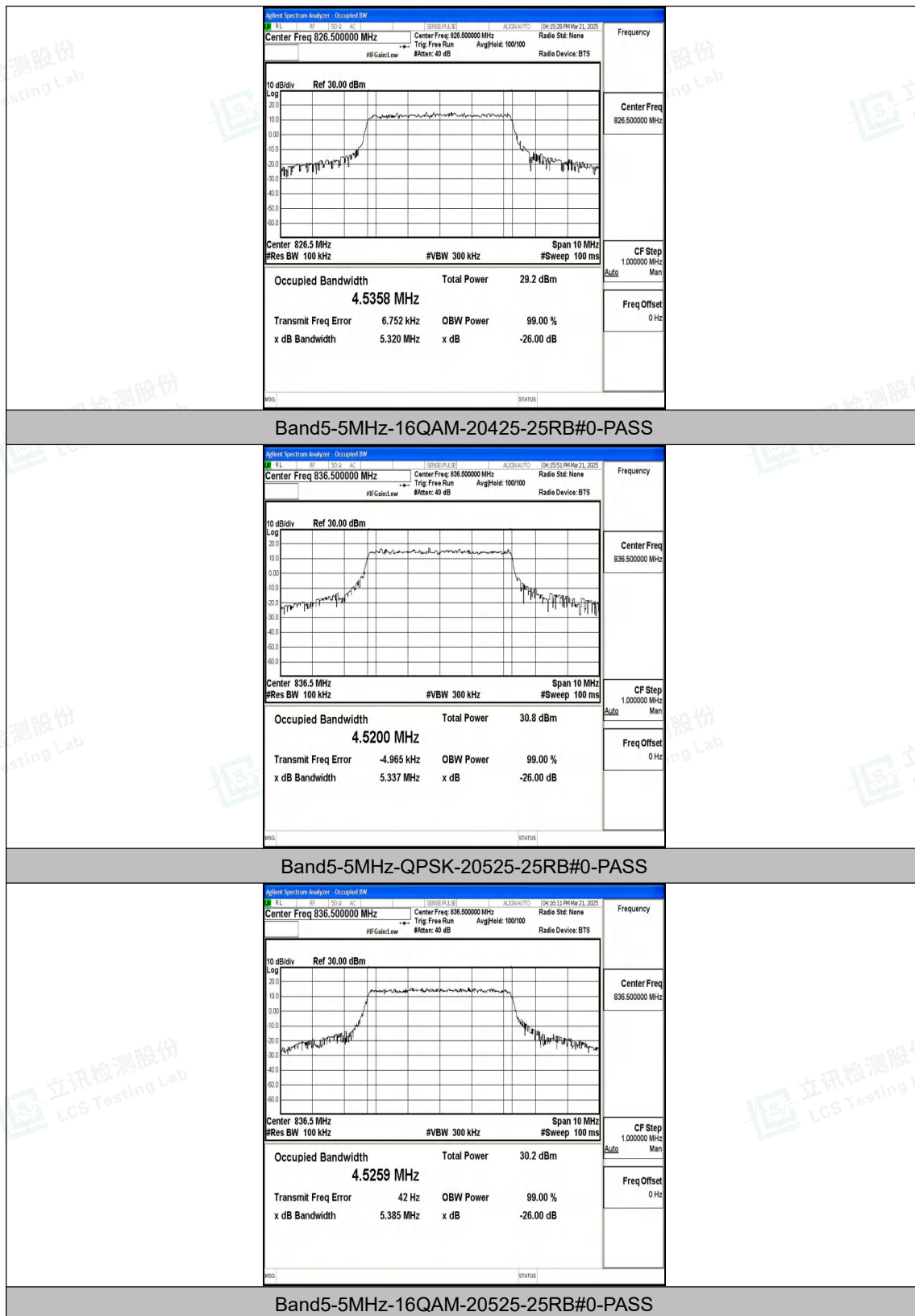


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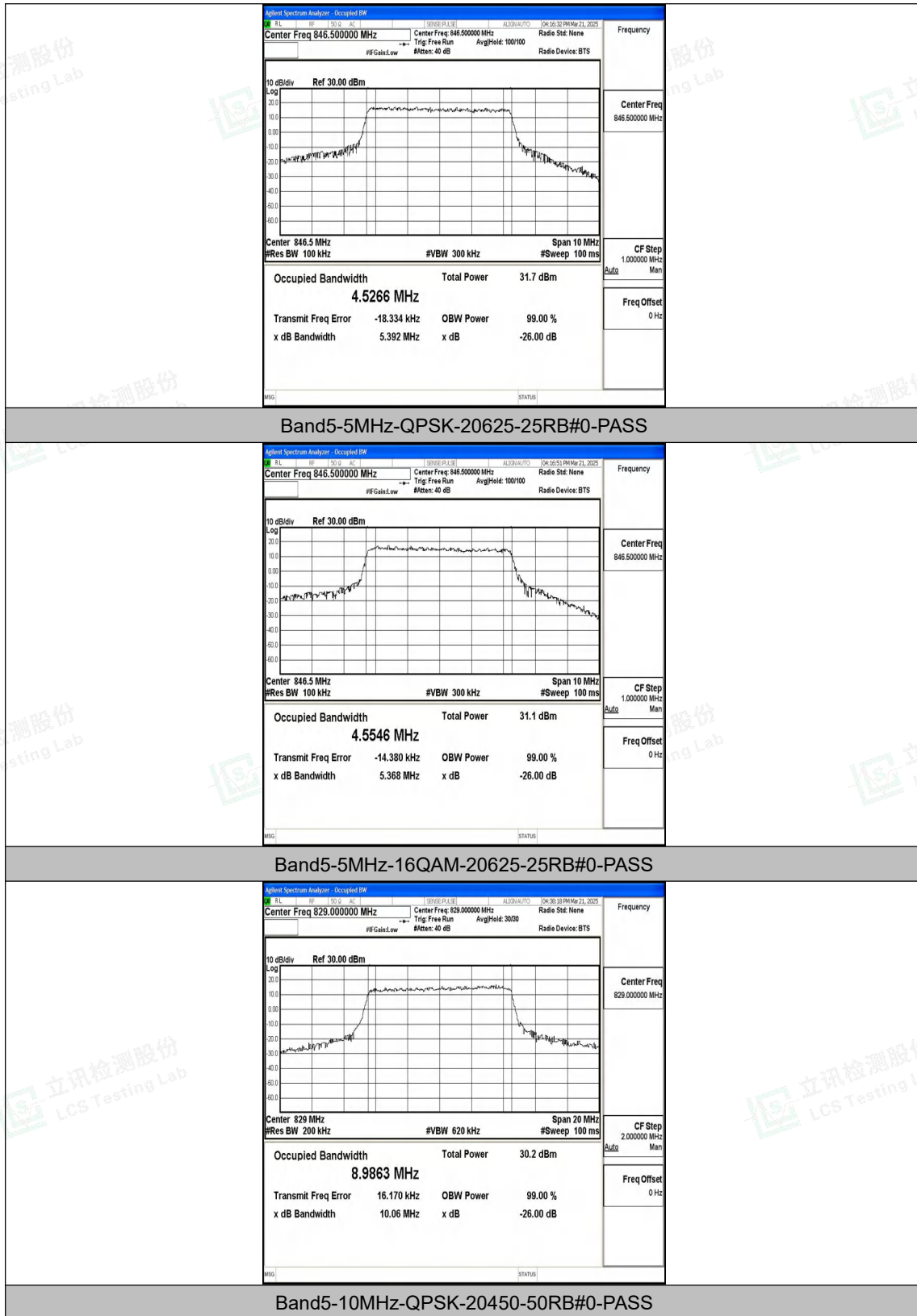


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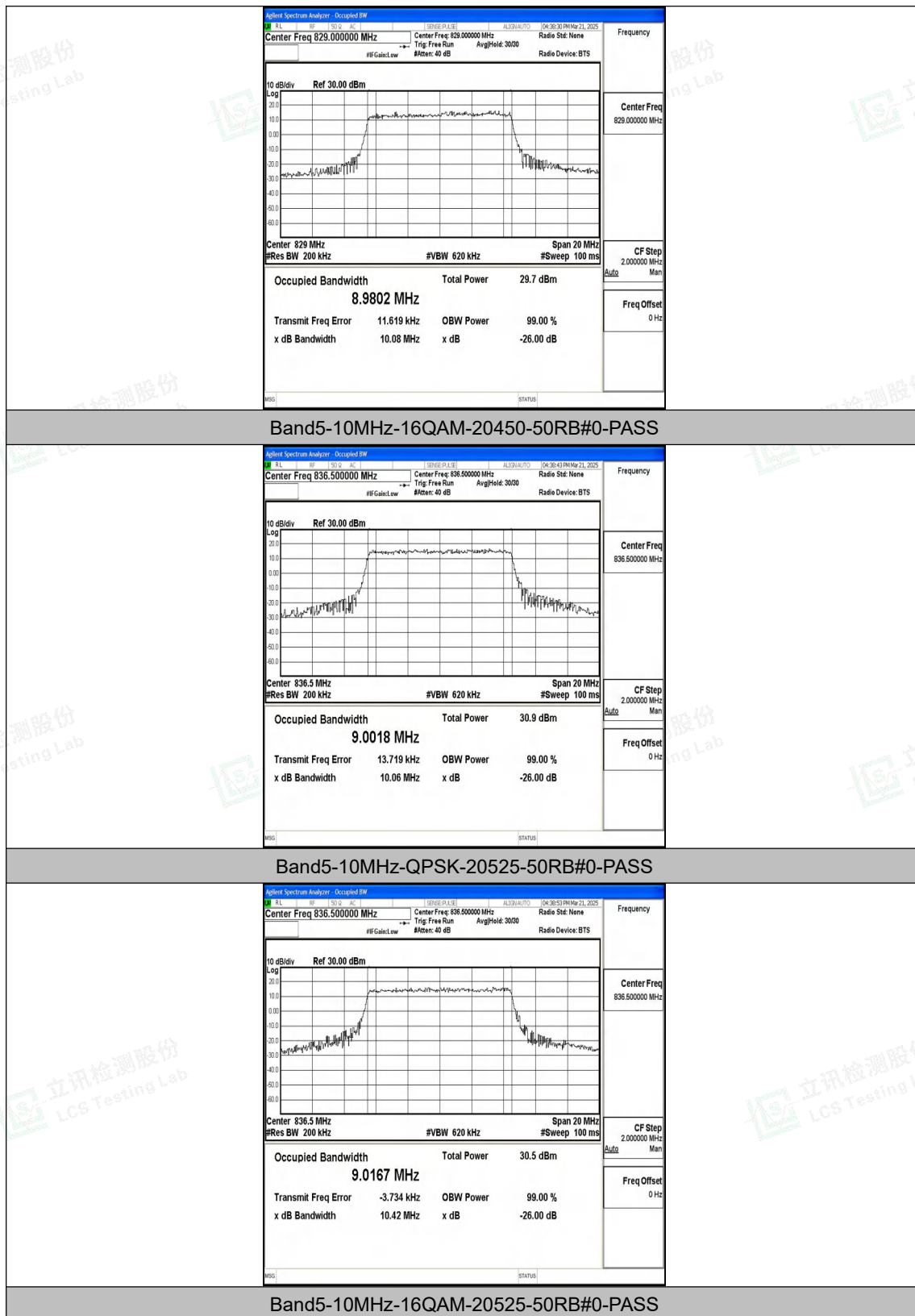


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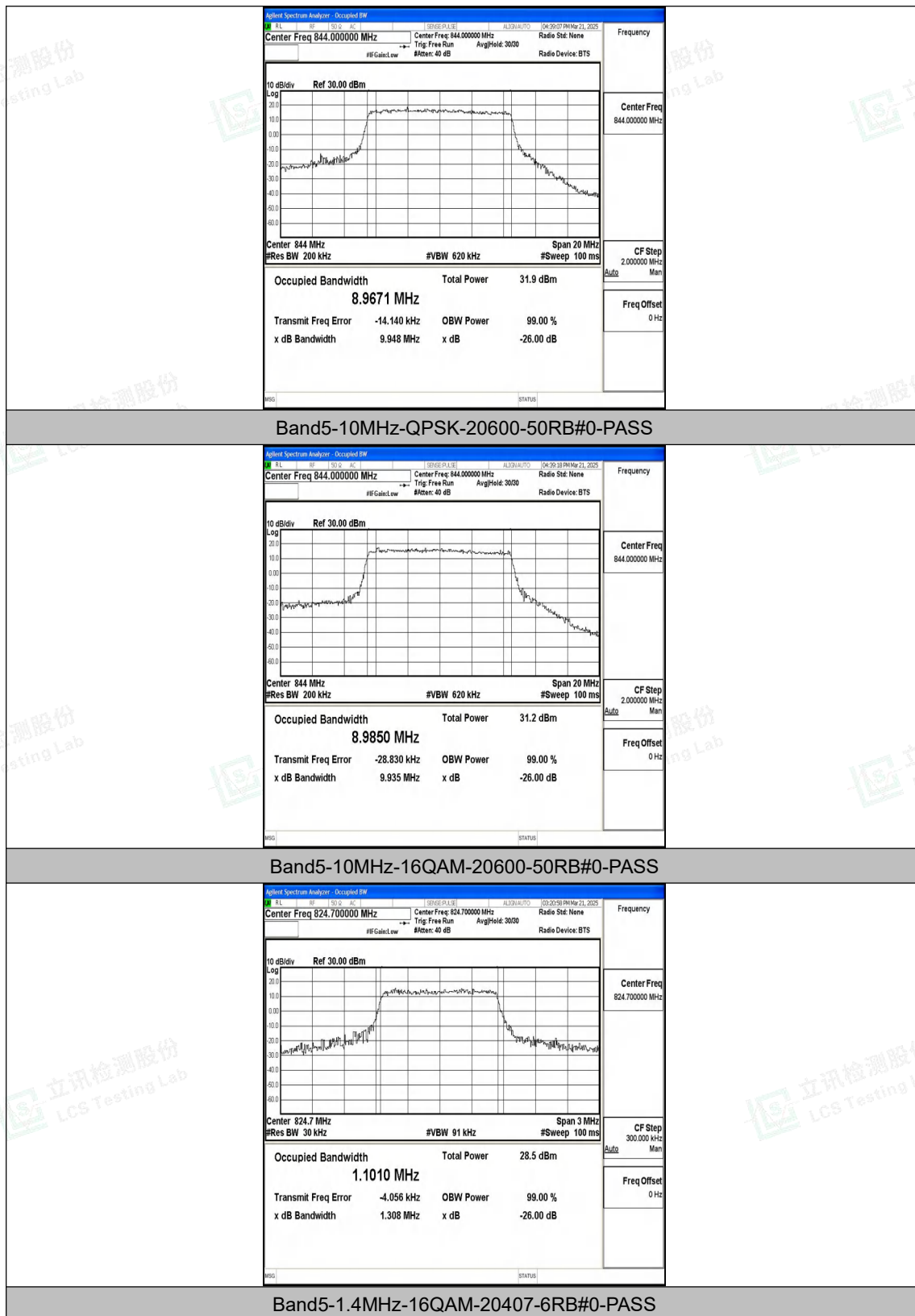


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Scan code to check authenticity

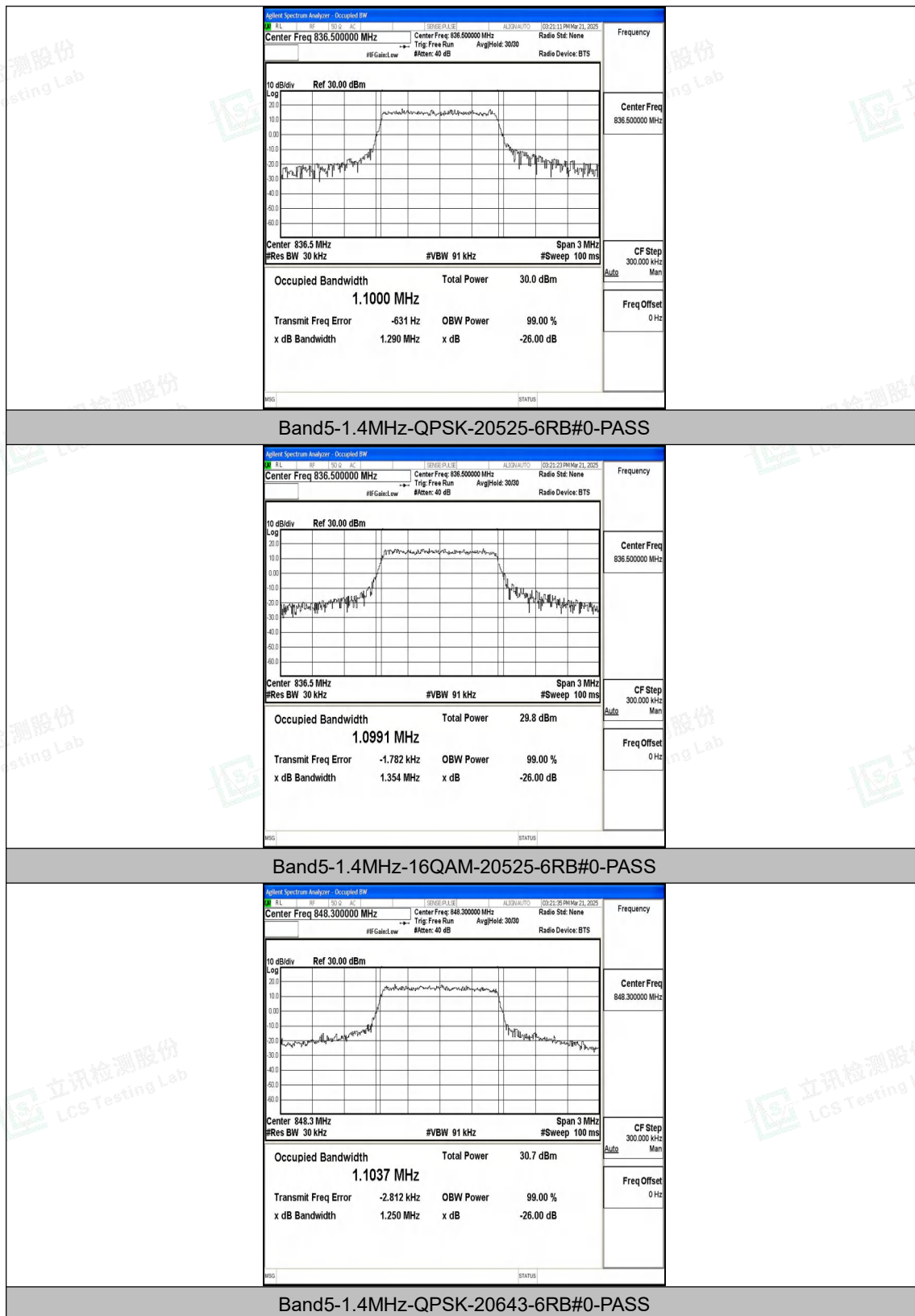


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J.4 Band Edge

Test Result

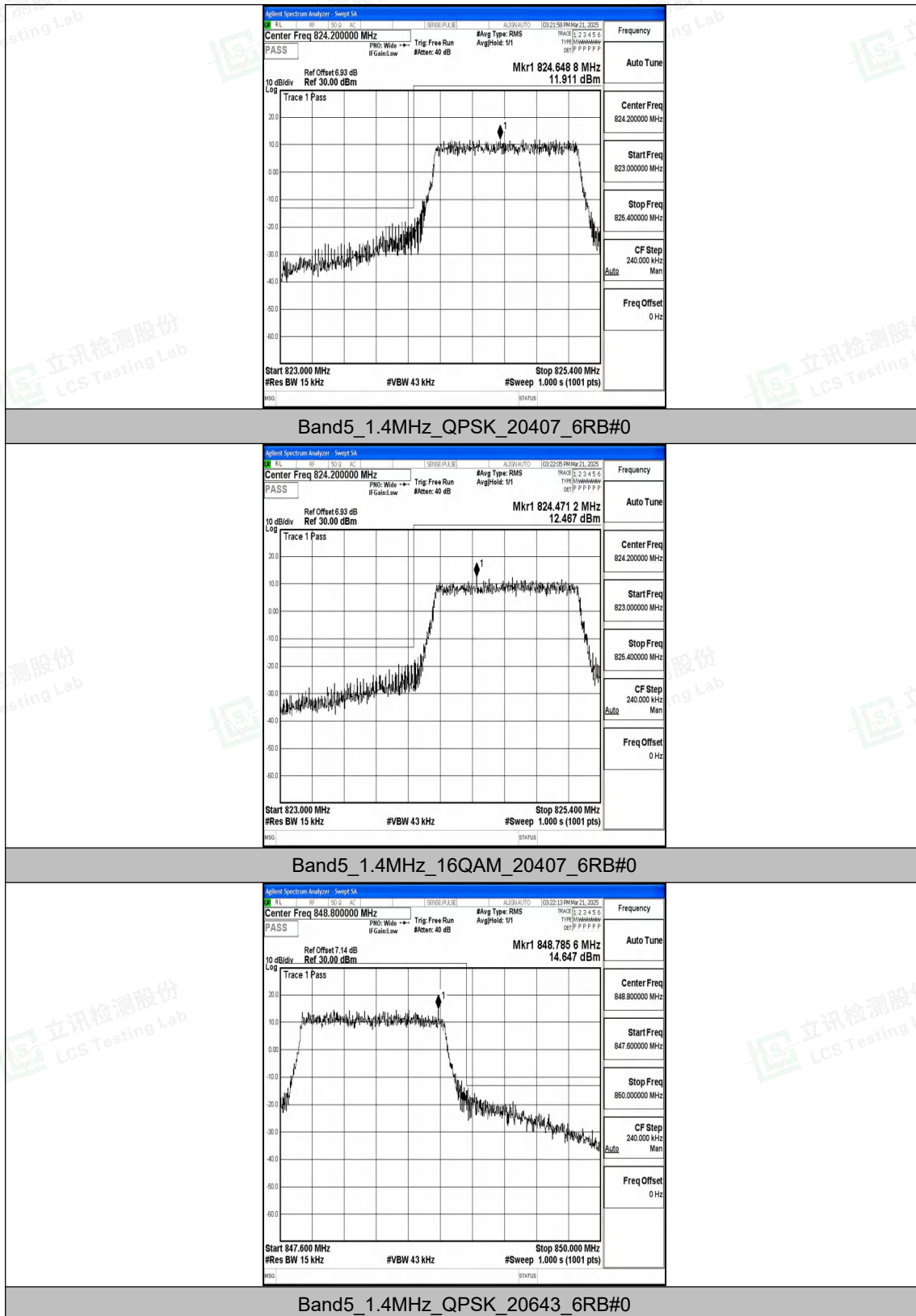
Band	Bandwidth	Modulation	Channel	RB Configuration	Peak Frenquency	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	823.91	-18.18	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	823.89	-19.25	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	849.01	-13.85	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	849.05	-14.53	PASS
Band5	3MHz	QPSK	20415	15RB#0	823.97	-30.36	PASS
Band5	3MHz	16QAM	20415	15RB#0	823.99	-28.06	PASS
Band5	3MHz	QPSK	20635	15RB#0	849.02	-23.89	PASS_Final1
Band5	3MHz	16QAM	20635	15RB#0	849.02	-24.21	PASS_Final1
Band5	5MHz	QPSK	20625	25RB#0	849.03	-28.30	PASS_Final1
Band5	3MHz	QPSK	20635	15RB#0	849.01	-29.67	PASS
Band5	3MHz	16QAM	20635	15RB#0	849.00	-27.68	PASS
Band5	5MHz	QPSK	20425	25RB#0	823.97	-29.67	PASS
Band5	5MHz	16QAM	20425	25RB#0	823.97	-32.40	PASS
Band5	5MHz	QPSK	20625	25RB#0	849.06	-28.51	PASS
Band5	5MHz	16QAM	20625	25RB#0	849.03	-26.08	PASS
Band5	5MHz	16QAM	20625	25RB#0	849.06	-27.89	PASS_Final1
Band5	10MHz	QPSK	20450	50RB#0	823.98	-34.06	PASS
Band5	10MHz	16QAM	20450	50RB#0	823.98	-35.29	PASS
Band5	10MHz	QPSK	20600	50RB#0	849.09	-30.19	PASS
Band5	10MHz	16QAM	20600	50RB#0	849.01	-28.51	PASS
Band5	5MHz	QPSK	20425	25RB#0	823.95	-30.09	PASS_Final1
Band5	10MHz	16QAM	20600	50RB#0	849.05	-30.05	PASS_Final1

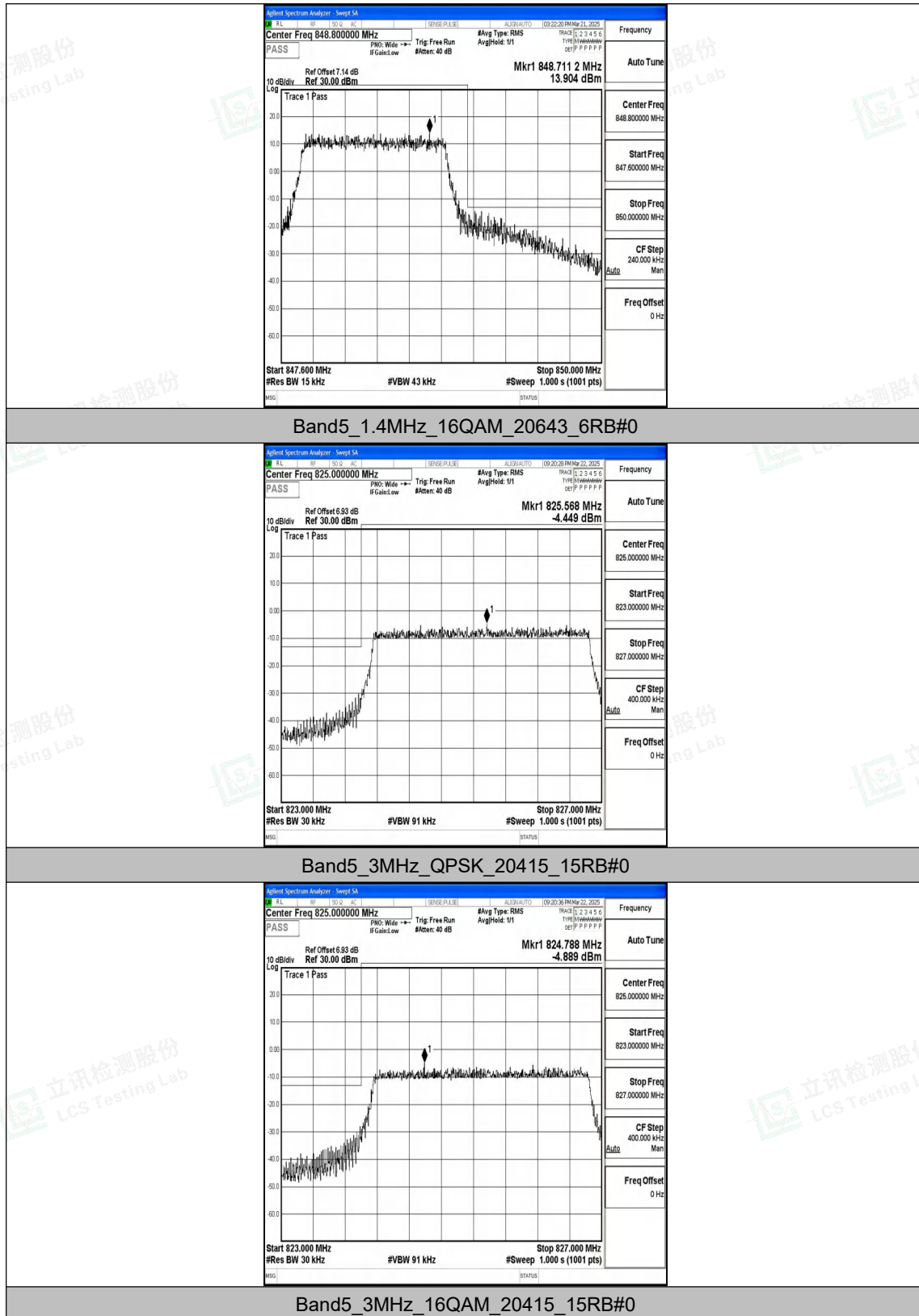


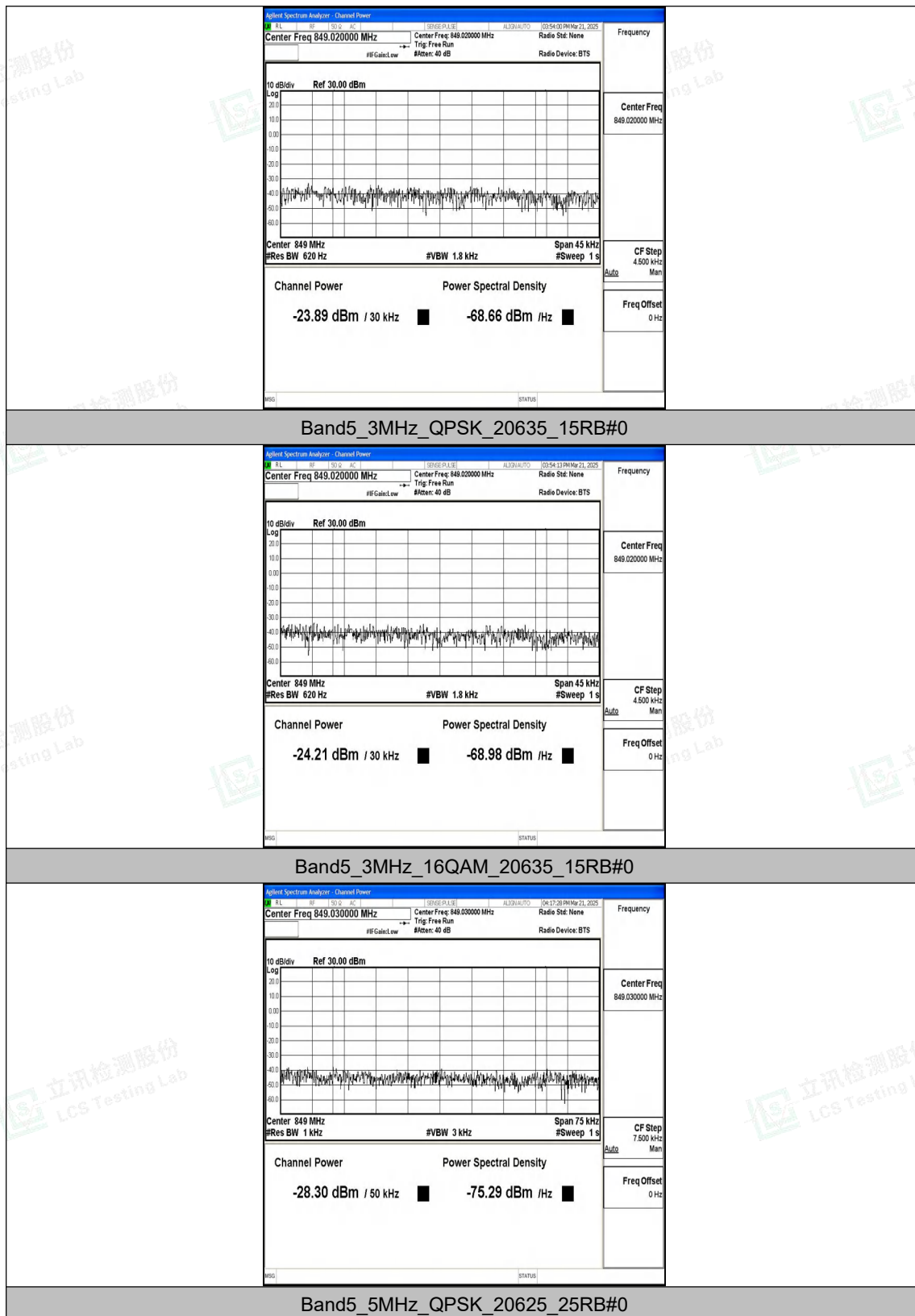
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Test Graphs







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