



Appendix H: Test Data for E-UTRA Band 5

Product Name: Voter Registration and Authentication Device
Test Model: VIU Tablet 100 R2

Environmental Conditions

Temperature:	23.9°C
Relative Humidity:	54.6%
ATM Pressure:	100.0 kPa
Test Engineer:	Billy Yu
Supervised by:	Can Kun





H.1 Conducted Output Power Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	23.89	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	23.93	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	24.04	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	23.88	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	24.00	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	23.89	PASS
Band5	1.4MHz	QPSK	20407	3RB#0	24.17	PASS
Band5	1.4MHz	16QAM	20407	3RB#0	23.25	PASS
Band5	1.4MHz	QPSK	20407	3RB#1	24.17	PASS
Band5	1.4MHz	16QAM	20407	3RB#1	23.30	PASS
Band5	1.4MHz	QPSK	20407	3RB#3	24.22	PASS
Band5	1.4MHz	16QAM	20407	3RB#3	23.29	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	23.65	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	23.17	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	24.33	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	23.11	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	24.30	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	23.17	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	24.27	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	23.10	PASS
Band5	1.4MHz	QPSK	20525	3RB#0	24.33	PASS
Band5	1.4MHz	16QAM	20525	3RB#0	23.50	PASS
Band5	1.4MHz	QPSK	20525	3RB#1	24.32	PASS
Band5	1.4MHz	16QAM	20525	3RB#1	23.50	PASS
Band5	1.4MHz	QPSK	20525	3RB#3	24.35	PASS
Band5	1.4MHz	16QAM	20525	3RB#3	23.50	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	23.84	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	22.80	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	24.23	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	23.99	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	24.21	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	23.96	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	24.24	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	24.04	PASS
Band5	1.4MHz	QPSK	20643	3RB#0	24.17	PASS
Band5	1.4MHz	16QAM	20643	3RB#0	23.50	PASS
Band5	1.4MHz	QPSK	20643	3RB#1	24.19	PASS
Band5	1.4MHz	16QAM	20643	3RB#1	23.47	PASS



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Scan code to check authenticity



Band5	1.4MHz	QPSK	20643	3RB#3	24.15	PASS
Band5	1.4MHz	16QAM	20643	3RB#3	23.56	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	23.76	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	22.92	PASS
Band5	3MHz	QPSK	20415	1RB#0	24.12	PASS
Band5	3MHz	16QAM	20415	1RB#0	23.37	PASS
Band5	3MHz	QPSK	20415	1RB#8	24.11	PASS
Band5	3MHz	16QAM	20415	1RB#8	23.38	PASS
Band5	3MHz	QPSK	20415	1RB#14	24.19	PASS
Band5	3MHz	16QAM	20415	1RB#14	23.45	PASS
Band5	3MHz	QPSK	20415	8RB#0	23.79	PASS
Band5	3MHz	16QAM	20415	8RB#0	23.28	PASS
Band5	3MHz	QPSK	20415	8RB#4	23.65	PASS
Band5	3MHz	16QAM	20415	8RB#4	23.28	PASS
Band5	3MHz	QPSK	20415	8RB#7	23.73	PASS
Band5	3MHz	16QAM	20415	8RB#7	22.96	PASS
Band5	3MHz	QPSK	20415	15RB#0	23.77	PASS
Band5	3MHz	16QAM	20415	15RB#0	23.13	PASS
Band5	3MHz	QPSK	20525	1RB#0	24.29	PASS
Band5	3MHz	16QAM	20525	1RB#0	23.11	PASS
Band5	3MHz	QPSK	20525	1RB#8	24.24	PASS
Band5	3MHz	16QAM	20525	1RB#8	23.11	PASS
Band5	3MHz	QPSK	20525	1RB#14	24.28	PASS
Band5	3MHz	16QAM	20525	1RB#14	23.08	PASS
Band5	3MHz	QPSK	20525	8RB#0	23.70	PASS
Band5	3MHz	16QAM	20525	8RB#0	22.99	PASS
Band5	3MHz	QPSK	20525	8RB#4	23.71	PASS
Band5	3MHz	16QAM	20525	8RB#4	22.99	PASS
Band5	3MHz	QPSK	20525	8RB#7	23.69	PASS
Band5	3MHz	16QAM	20525	8RB#7	23.04	PASS
Band5	3MHz	QPSK	20525	15RB#0	23.87	PASS
Band5	3MHz	16QAM	20525	15RB#0	22.73	PASS
Band5	3MHz	QPSK	20635	1RB#0	24.25	PASS
Band5	3MHz	16QAM	20635	1RB#0	23.86	PASS
Band5	3MHz	QPSK	20635	1RB#8	24.21	PASS
Band5	3MHz	16QAM	20635	1RB#8	23.91	PASS
Band5	3MHz	QPSK	20635	1RB#14	24.25	PASS
Band5	3MHz	16QAM	20635	1RB#14	23.85	PASS
Band5	3MHz	QPSK	20635	8RB#0	23.65	PASS
Band5	3MHz	16QAM	20635	8RB#0	22.78	PASS
Band5	3MHz	QPSK	20635	8RB#4	23.60	PASS
Band5	3MHz	16QAM	20635	8RB#4	22.67	PASS
Band5	3MHz	QPSK	20635	8RB#7	23.58	PASS



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Band5	3MHz	16QAM	20635	8RB#7	22.67	PASS
Band5	3MHz	QPSK	20635	15RB#0	23.69	PASS
Band5	3MHz	16QAM	20635	15RB#0	22.68	PASS
Band5	5MHz	QPSK	20425	1RB#0	24.22	PASS
Band5	5MHz	16QAM	20425	1RB#0	23.18	PASS
Band5	5MHz	QPSK	20425	1RB#12	24.23	PASS
Band5	5MHz	16QAM	20425	1RB#12	23.14	PASS
Band5	5MHz	QPSK	20425	1RB#24	24.20	PASS
Band5	5MHz	16QAM	20425	1RB#24	23.15	PASS
Band5	5MHz	QPSK	20425	12RB#0	23.68	PASS
Band5	5MHz	16QAM	20425	12RB#0	23.14	PASS
Band5	5MHz	QPSK	20425	12RB#6	23.75	PASS
Band5	5MHz	16QAM	20425	12RB#6	23.14	PASS
Band5	5MHz	QPSK	20425	12RB#13	23.83	PASS
Band5	5MHz	16QAM	20425	12RB#13	22.81	PASS
Band5	5MHz	QPSK	20425	25RB#0	23.65	PASS
Band5	5MHz	16QAM	20425	25RB#0	22.90	PASS
Band5	5MHz	QPSK	20525	1RB#0	24.25	PASS
Band5	5MHz	16QAM	20525	1RB#0	23.94	PASS
Band5	5MHz	QPSK	20525	1RB#12	24.29	PASS
Band5	5MHz	16QAM	20525	1RB#12	24.00	PASS
Band5	5MHz	QPSK	20525	1RB#24	24.22	PASS
Band5	5MHz	16QAM	20525	1RB#24	23.93	PASS
Band5	5MHz	QPSK	20525	12RB#0	23.76	PASS
Band5	5MHz	16QAM	20525	12RB#0	22.87	PASS
Band5	5MHz	QPSK	20525	12RB#6	23.78	PASS
Band5	5MHz	16QAM	20525	12RB#6	22.87	PASS
Band5	5MHz	QPSK	20525	12RB#13	23.72	PASS
Band5	5MHz	16QAM	20525	12RB#13	22.98	PASS
Band5	5MHz	QPSK	20525	25RB#0	23.86	PASS
Band5	5MHz	16QAM	20525	25RB#0	22.81	PASS
Band5	5MHz	QPSK	20625	1RB#0	24.13	PASS
Band5	5MHz	16QAM	20625	1RB#0	23.40	PASS
Band5	5MHz	QPSK	20625	1RB#12	24.17	PASS
Band5	5MHz	16QAM	20625	1RB#12	23.41	PASS
Band5	5MHz	QPSK	20625	1RB#24	24.17	PASS
Band5	5MHz	16QAM	20625	1RB#24	23.36	PASS
Band5	5MHz	QPSK	20625	12RB#0	23.79	PASS
Band5	5MHz	16QAM	20625	12RB#0	22.65	PASS
Band5	5MHz	QPSK	20625	12RB#6	23.75	PASS
Band5	5MHz	16QAM	20625	12RB#6	22.66	PASS
Band5	5MHz	QPSK	20625	12RB#13	23.64	PASS
Band5	5MHz	16QAM	20625	12RB#13	22.63	PASS



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Band5	5MHz	QPSK	20625	25RB#0	23.76	PASS
Band5	5MHz	16QAM	20625	25RB#0	22.73	PASS
Band5	10MHz	QPSK	20450	1RB#0	24.18	PASS
Band5	10MHz	16QAM	20450	1RB#0	23.73	PASS
Band5	10MHz	QPSK	20450	1RB#24	24.24	PASS
Band5	10MHz	16QAM	20450	1RB#24	23.81	PASS
Band5	10MHz	QPSK	20450	1RB#49	24.19	PASS
Band5	10MHz	16QAM	20450	1RB#49	23.74	PASS
Band5	10MHz	QPSK	20450	25RB#0	23.81	PASS
Band5	10MHz	16QAM	20450	25RB#0	22.85	PASS
Band5	10MHz	QPSK	20450	25RB#12	23.82	PASS
Band5	10MHz	16QAM	20450	25RB#12	22.86	PASS
Band5	10MHz	QPSK	20450	25RB#25	23.69	PASS
Band5	10MHz	16QAM	20450	25RB#25	22.72	PASS
Band5	10MHz	QPSK	20450	50RB#0	23.83	PASS
Band5	10MHz	16QAM	20450	50RB#0	22.79	PASS
Band5	10MHz	QPSK	20525	1RB#0	24.22	PASS
Band5	10MHz	16QAM	20525	1RB#0	23.65	PASS
Band5	10MHz	QPSK	20525	1RB#24	24.24	PASS
Band5	10MHz	16QAM	20525	1RB#24	23.64	PASS
Band5	10MHz	QPSK	20525	1RB#49	24.20	PASS
Band5	10MHz	16QAM	20525	1RB#49	23.62	PASS
Band5	10MHz	QPSK	20525	25RB#0	23.88	PASS
Band5	10MHz	16QAM	20525	25RB#0	23.00	PASS
Band5	10MHz	QPSK	20525	25RB#12	23.81	PASS
Band5	10MHz	16QAM	20525	25RB#12	22.97	PASS
Band5	10MHz	QPSK	20525	25RB#25	23.64	PASS
Band5	10MHz	16QAM	20525	25RB#25	22.99	PASS
Band5	10MHz	QPSK	20525	50RB#0	23.77	PASS
Band5	10MHz	16QAM	20525	50RB#0	22.89	PASS
Band5	10MHz	QPSK	20600	1RB#0	24.19	PASS
Band5	10MHz	16QAM	20600	1RB#0	24.26	PASS
Band5	10MHz	QPSK	20600	1RB#24	24.24	PASS
Band5	10MHz	16QAM	20600	1RB#24	24.28	PASS
Band5	10MHz	QPSK	20600	1RB#49	24.23	PASS
Band5	10MHz	16QAM	20600	1RB#49	24.20	PASS
Band5	10MHz	QPSK	20600	25RB#0	23.66	PASS
Band5	10MHz	16QAM	20600	25RB#0	22.82	PASS
Band5	10MHz	QPSK	20600	25RB#12	23.69	PASS
Band5	10MHz	16QAM	20600	25RB#12	22.83	PASS
Band5	10MHz	QPSK	20600	25RB#25	23.62	PASS
Band5	10MHz	16QAM	20600	25RB#25	22.70	PASS
Band5	10MHz	QPSK	20600	50RB#0	23.62	PASS



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Band5	10MHz	16QAM	20600	50RB#0	22.83	PASS
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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	5.17	13	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	5.87	13	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	5.44	13	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	6.12	13	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	4.93	13	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	5.73	13	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	5.29	13	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	5.99	13	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	4.84	13	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	5.40	13	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	5.21	13	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	5.95	13	PASS
Band5	3MHz	QPSK	20415	1RB#0	5.21	13	PASS
Band5	3MHz	16QAM	20415	1RB#0	5.99	13	PASS
Band5	3MHz	QPSK	20415	15RB#0	5.51	13	PASS
Band5	3MHz	16QAM	20415	15RB#0	6.19	13	PASS
Band5	3MHz	QPSK	20525	1RB#0	4.96	13	PASS
Band5	3MHz	16QAM	20525	1RB#0	5.76	13	PASS
Band5	3MHz	QPSK	20525	15RB#0	5.33	13	PASS
Band5	3MHz	16QAM	20525	15RB#0	6.08	13	PASS
Band5	3MHz	QPSK	20635	1RB#0	4.98	13	PASS
Band5	3MHz	16QAM	20635	1RB#0	5.68	13	PASS
Band5	3MHz	QPSK	20635	15RB#0	5.27	13	PASS
Band5	3MHz	16QAM	20635	15RB#0	6.08	13	PASS
Band5	5MHz	QPSK	20425	1RB#0	5.35	13	PASS
Band5	5MHz	16QAM	20425	1RB#0	5.80	13	PASS
Band5	5MHz	QPSK	20425	25RB#0	5.61	13	PASS
Band5	5MHz	16QAM	20425	25RB#0	6.25	13	PASS
Band5	5MHz	QPSK	20525	1RB#0	5.09	13	PASS
Band5	5MHz	16QAM	20525	1RB#0	5.53	13	PASS
Band5	5MHz	QPSK	20525	25RB#0	5.42	13	PASS
Band5	5MHz	16QAM	20525	25RB#0	6.09	13	PASS
Band5	5MHz	QPSK	20625	1RB#0	5.06	13	PASS
Band5	5MHz	16QAM	20625	1RB#0	5.59	13	PASS
Band5	5MHz	QPSK	20625	25RB#0	5.50	13	PASS
Band5	5MHz	16QAM	20625	25RB#0	6.22	13	PASS
Band5	10MHz	QPSK	20450	1RB#0	5.24	13	PASS
Band5	10MHz	16QAM	20450	1RB#0	5.90	13	PASS



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Band5	10MHz	QPSK	20450	50RB#0	5.64	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	6.32	13	PASS
Band5	10MHz	QPSK	20525	1RB#0	5.14	13	PASS
Band5	10MHz	16QAM	20525	1RB#0	5.70	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.47	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	6.20	13	PASS
Band5	10MHz	QPSK	20600	1RB#0	4.94	13	PASS
Band5	10MHz	16QAM	20600	1RB#0	5.40	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	5.56	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	6.27	13	PASS



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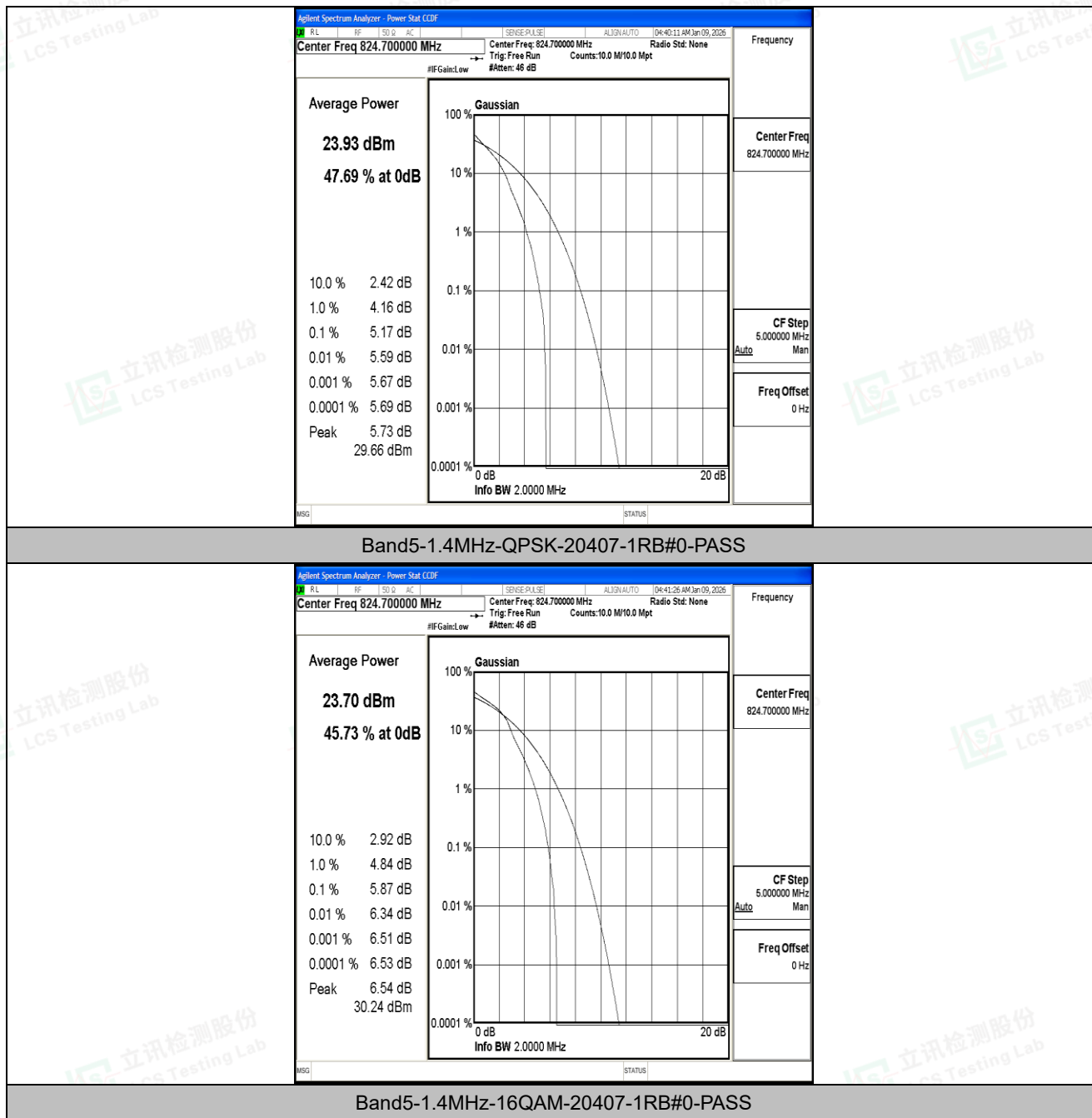
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Test Graphs

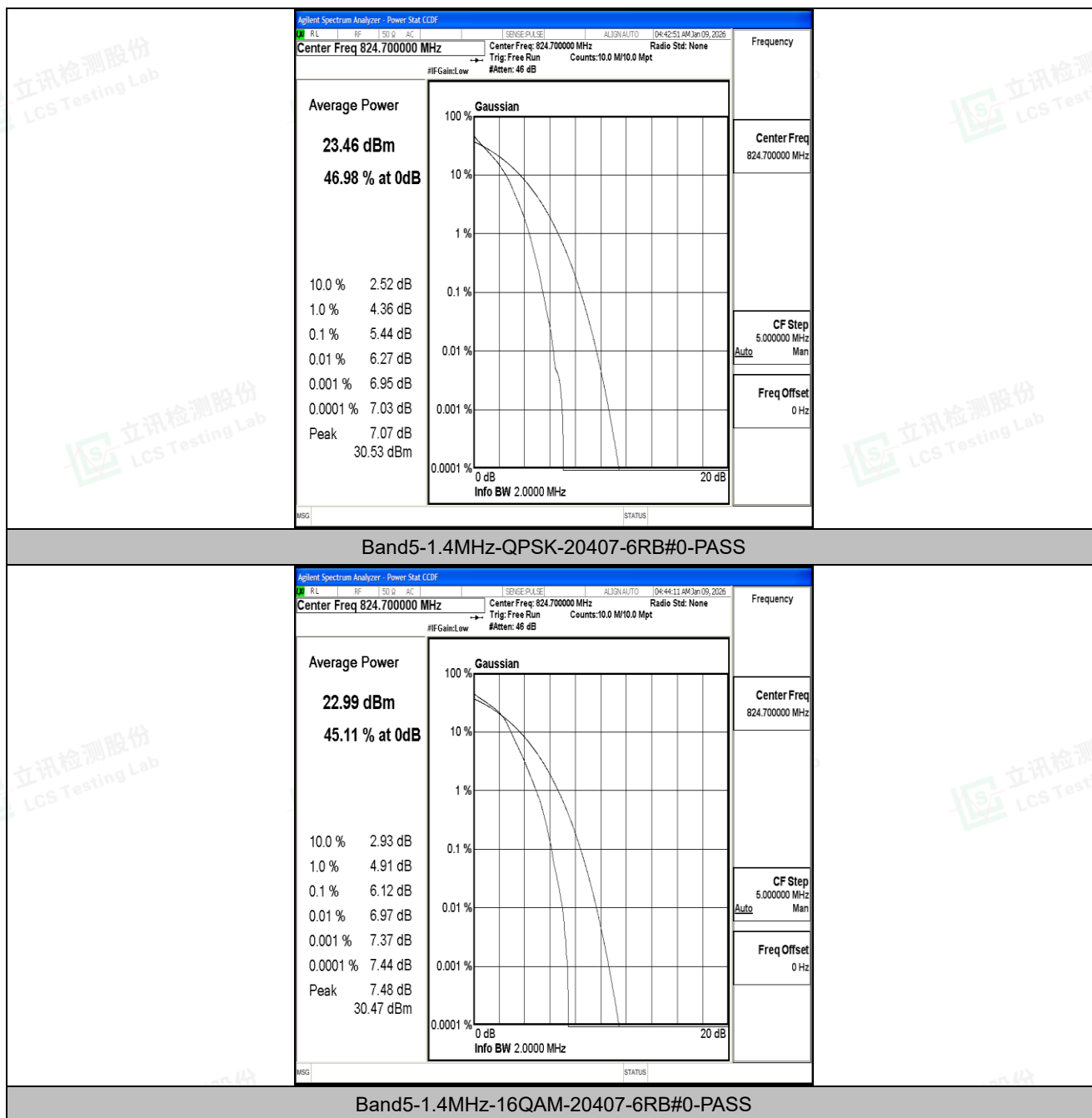


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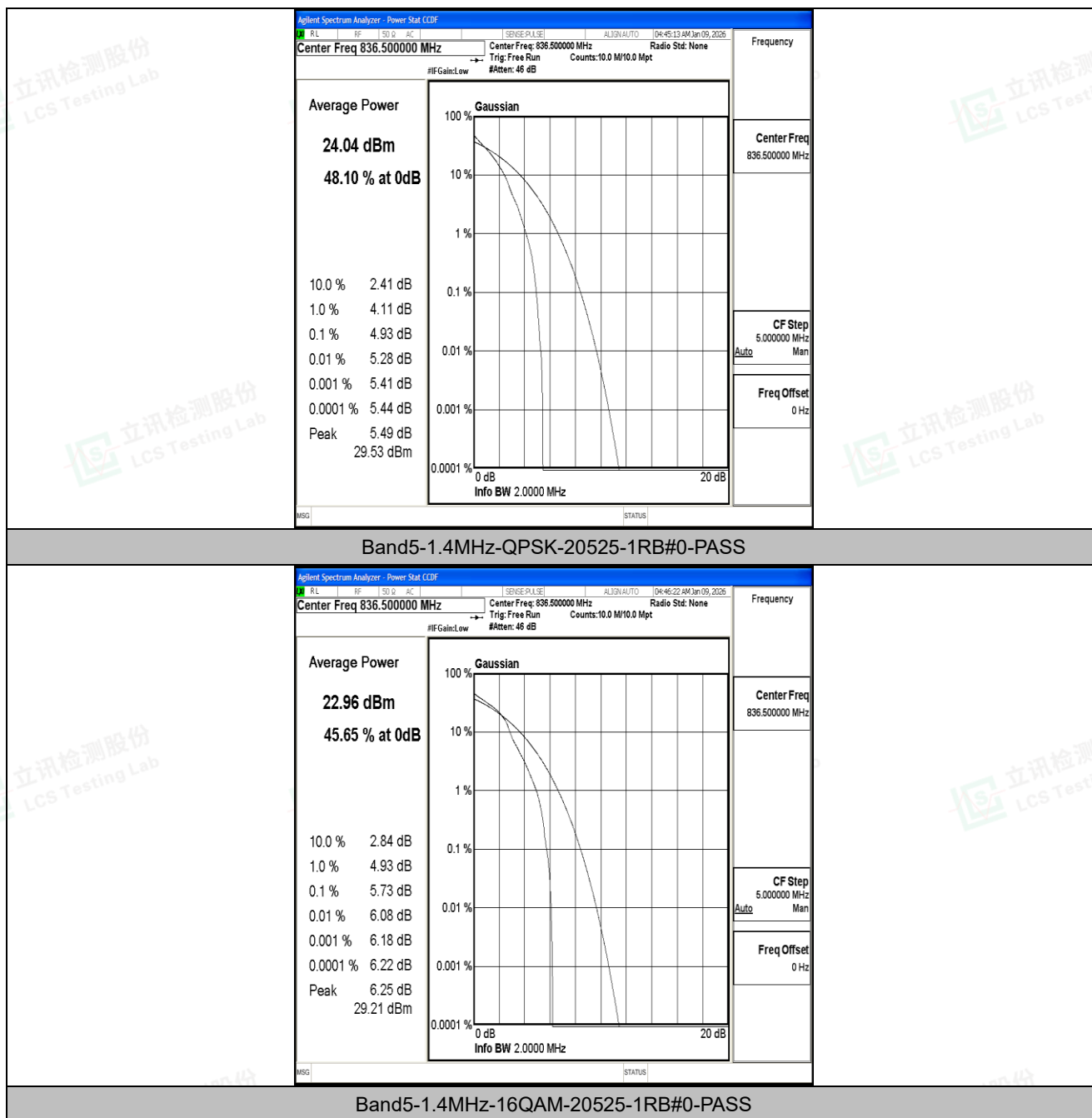


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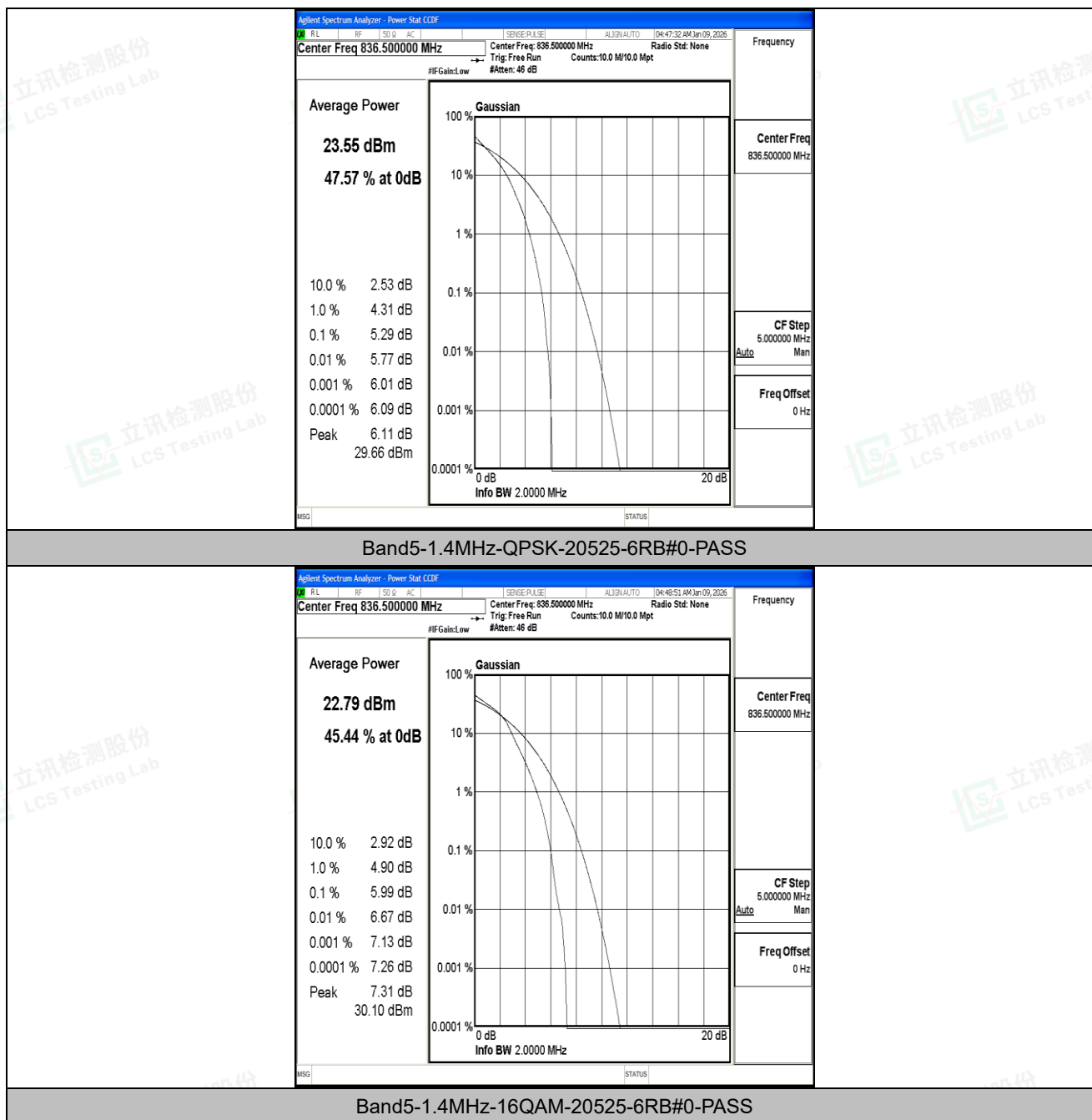


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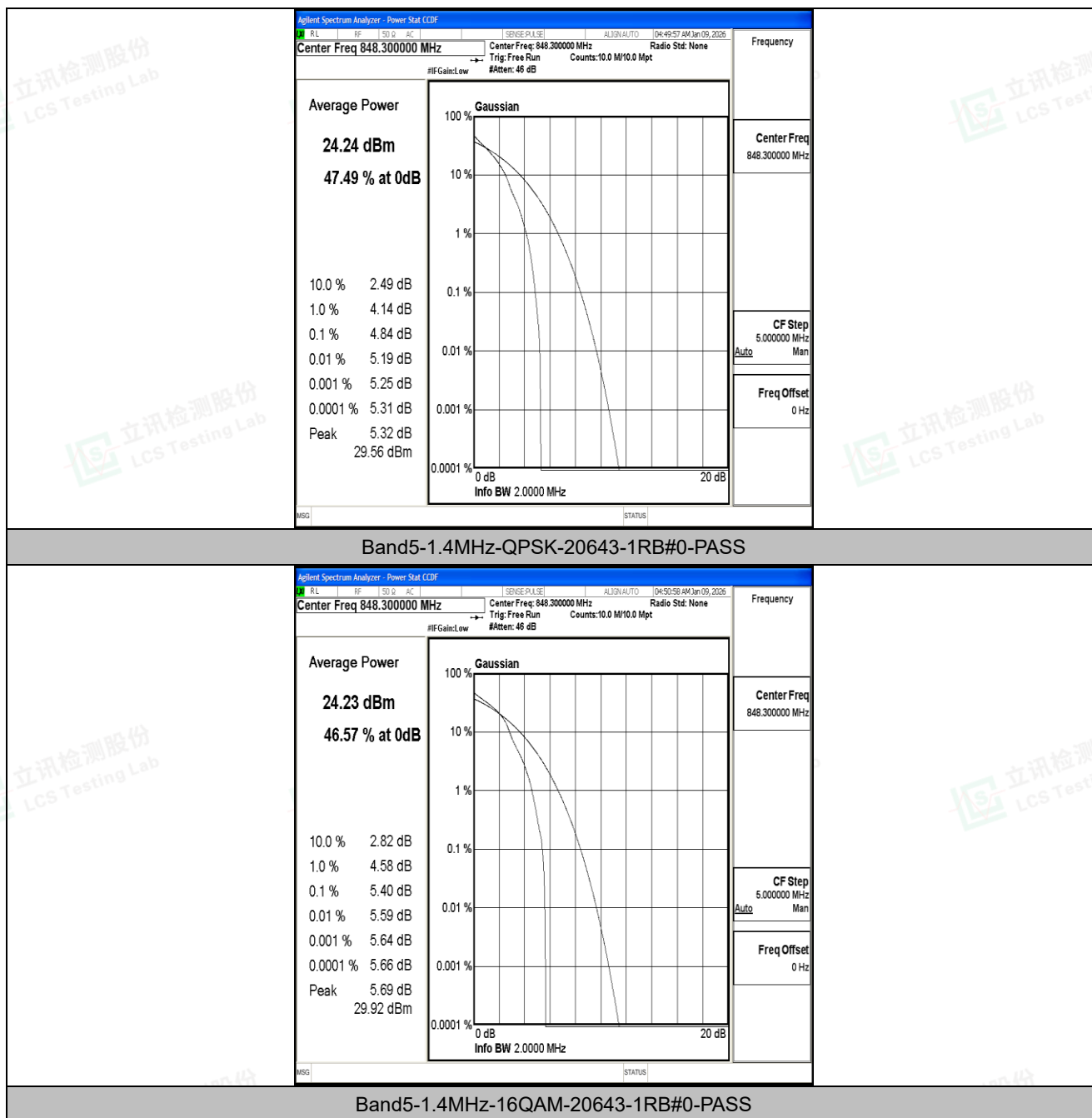


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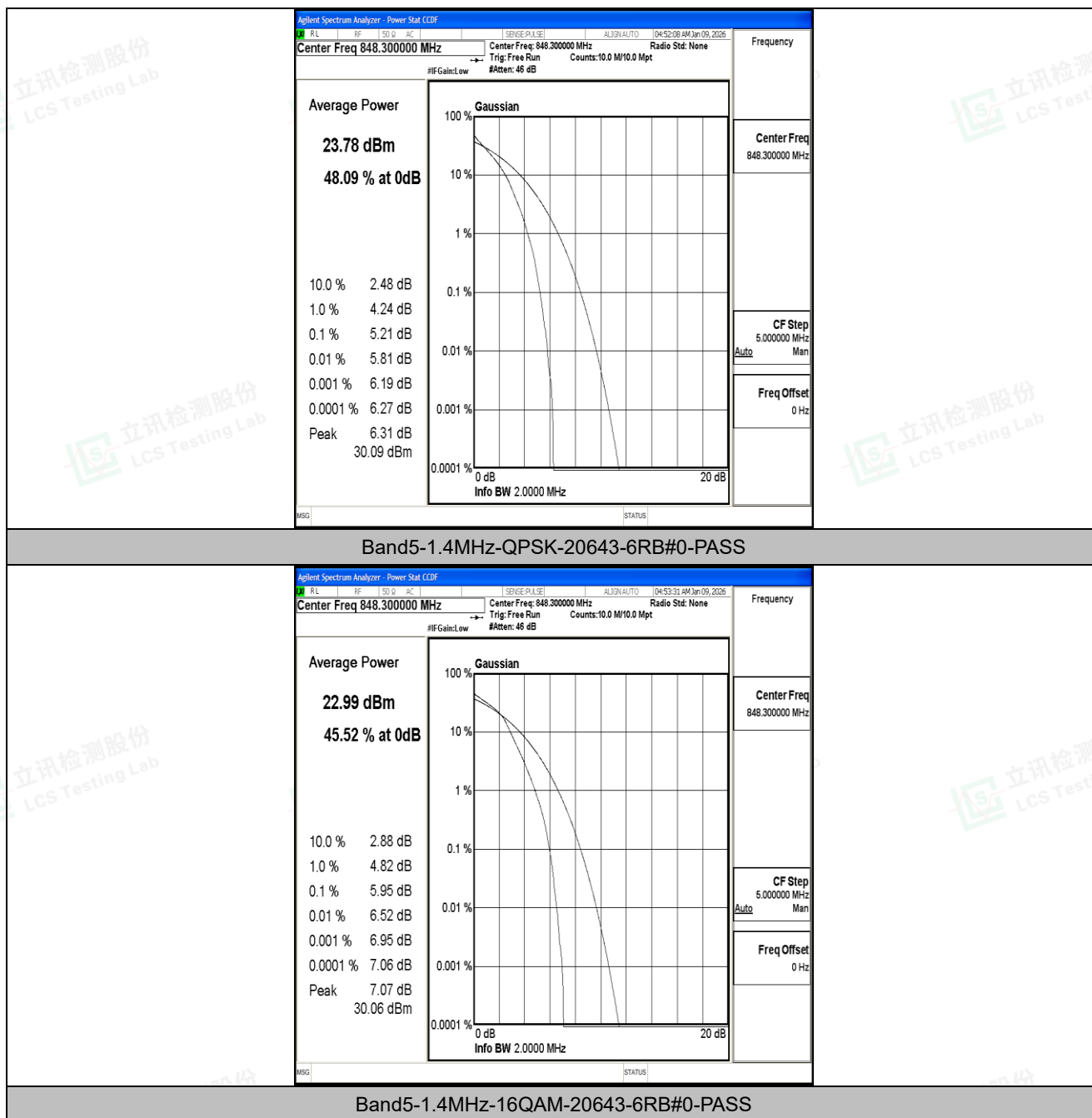


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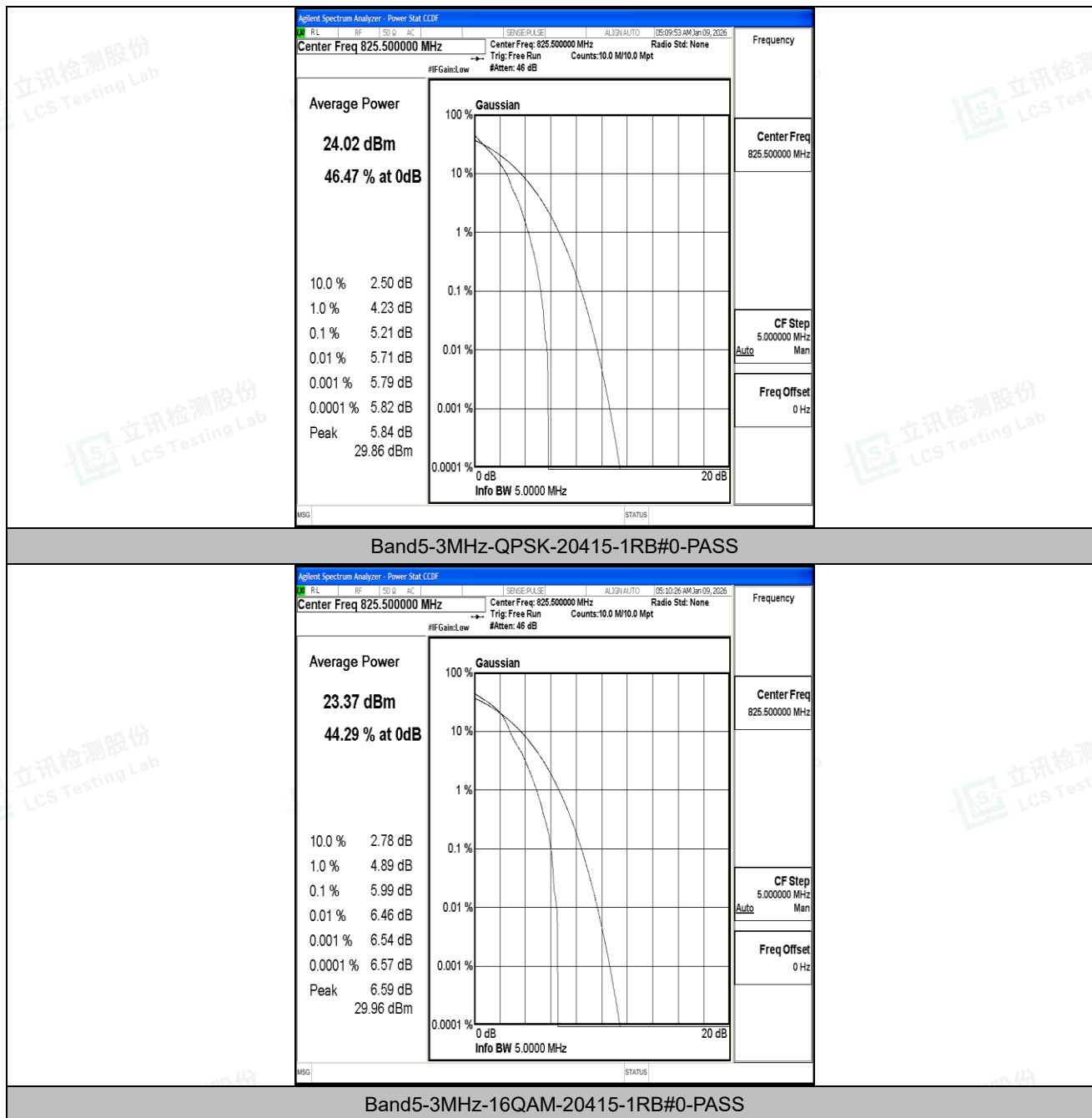


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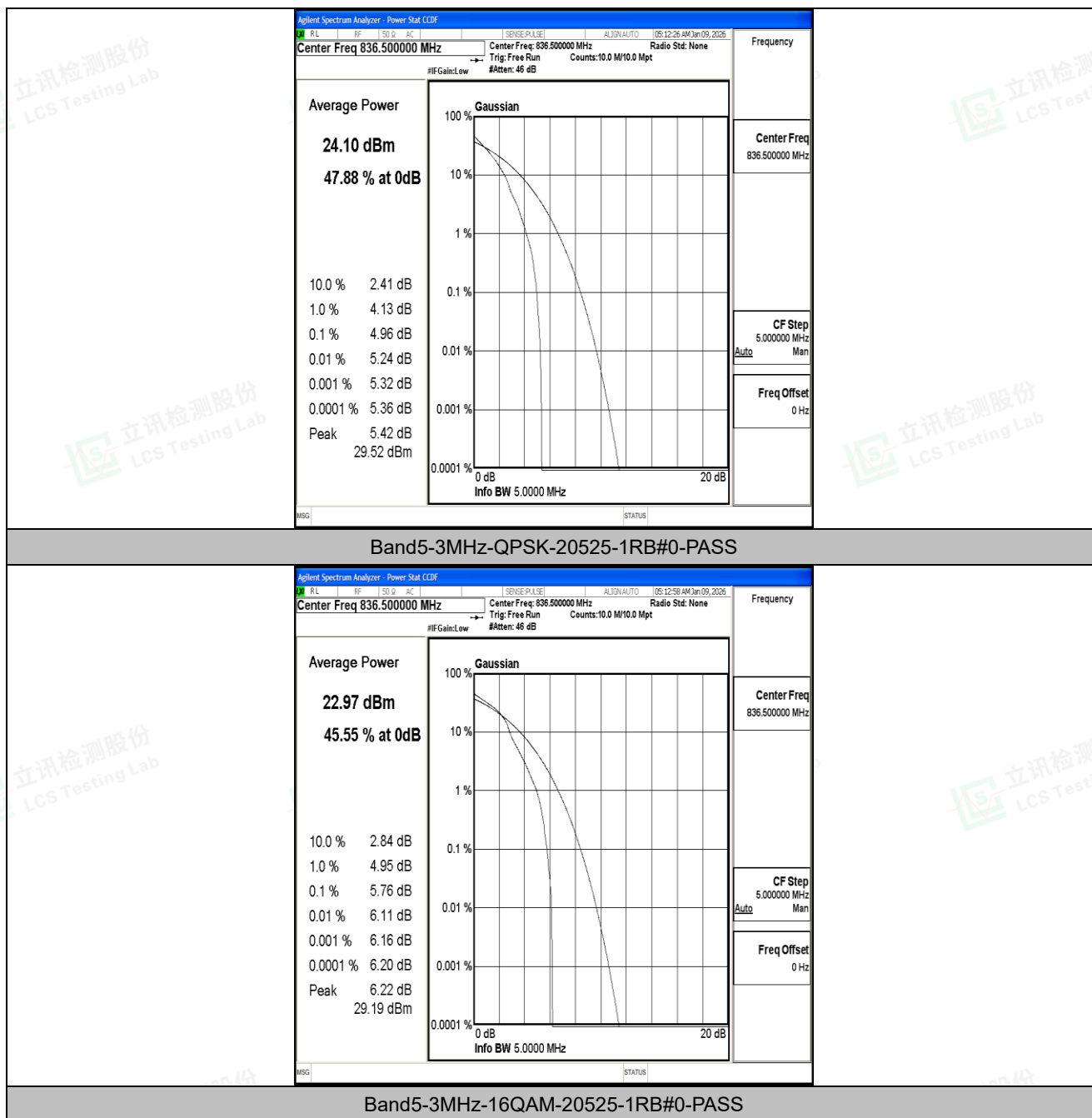


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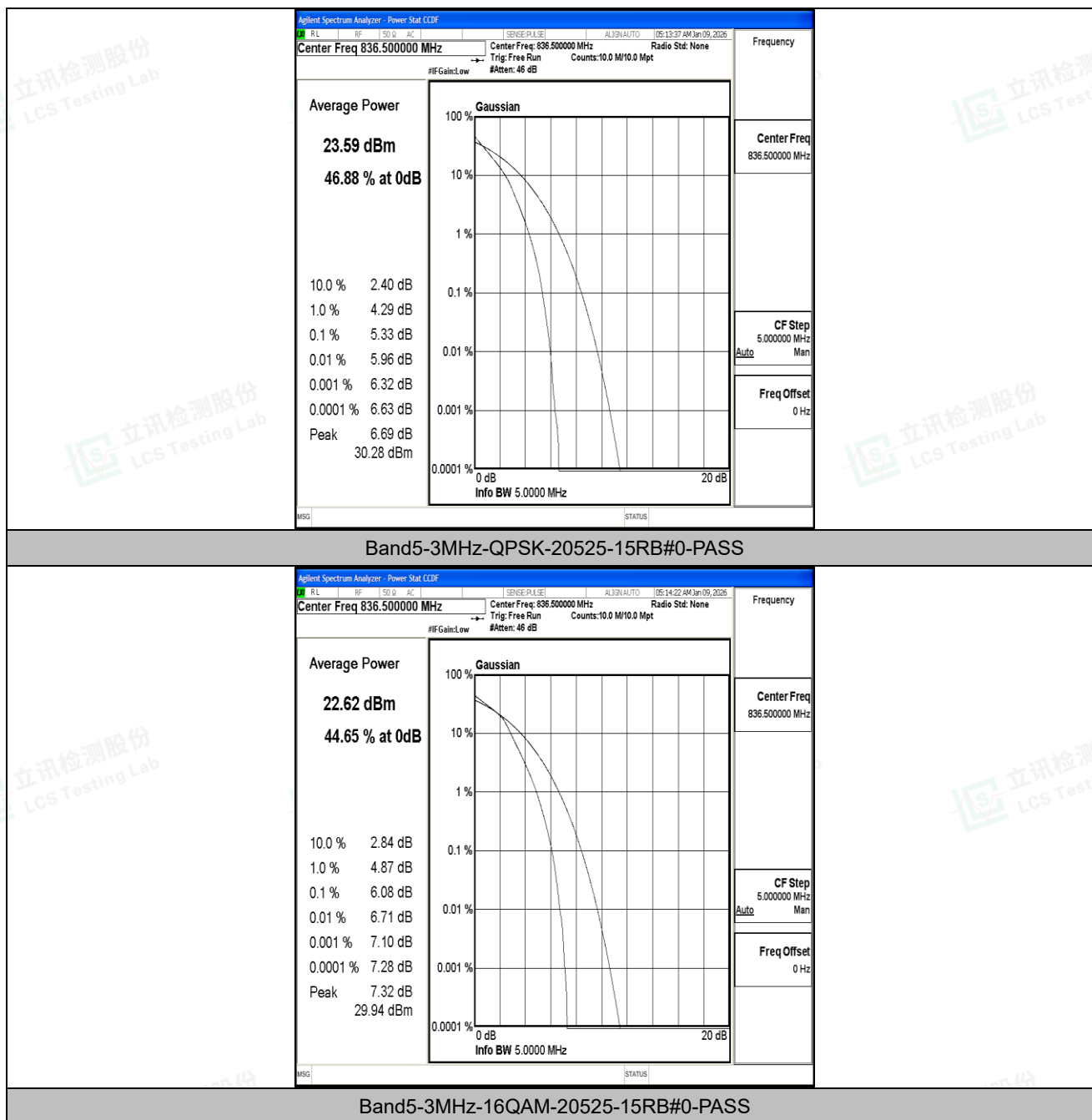


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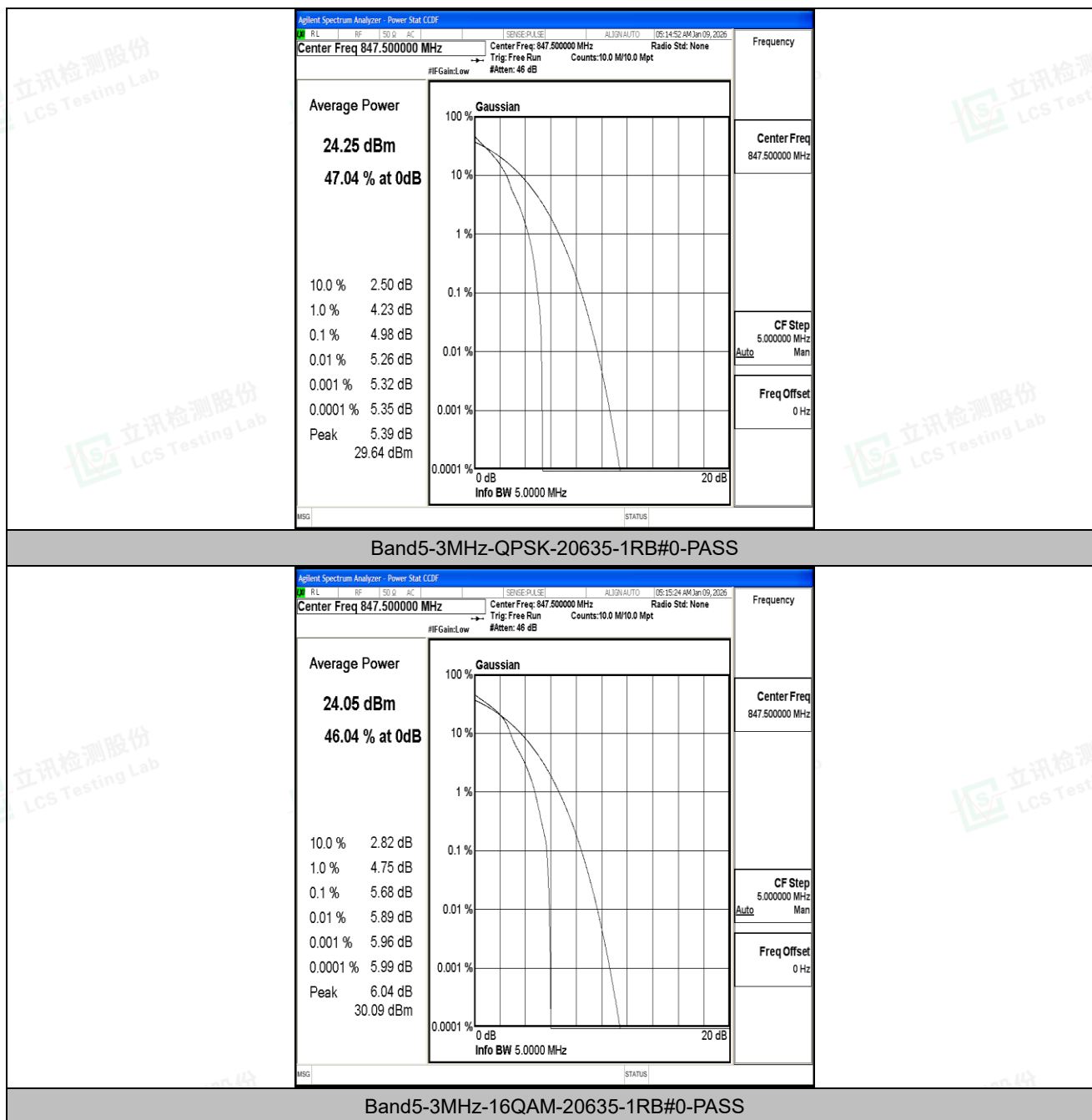


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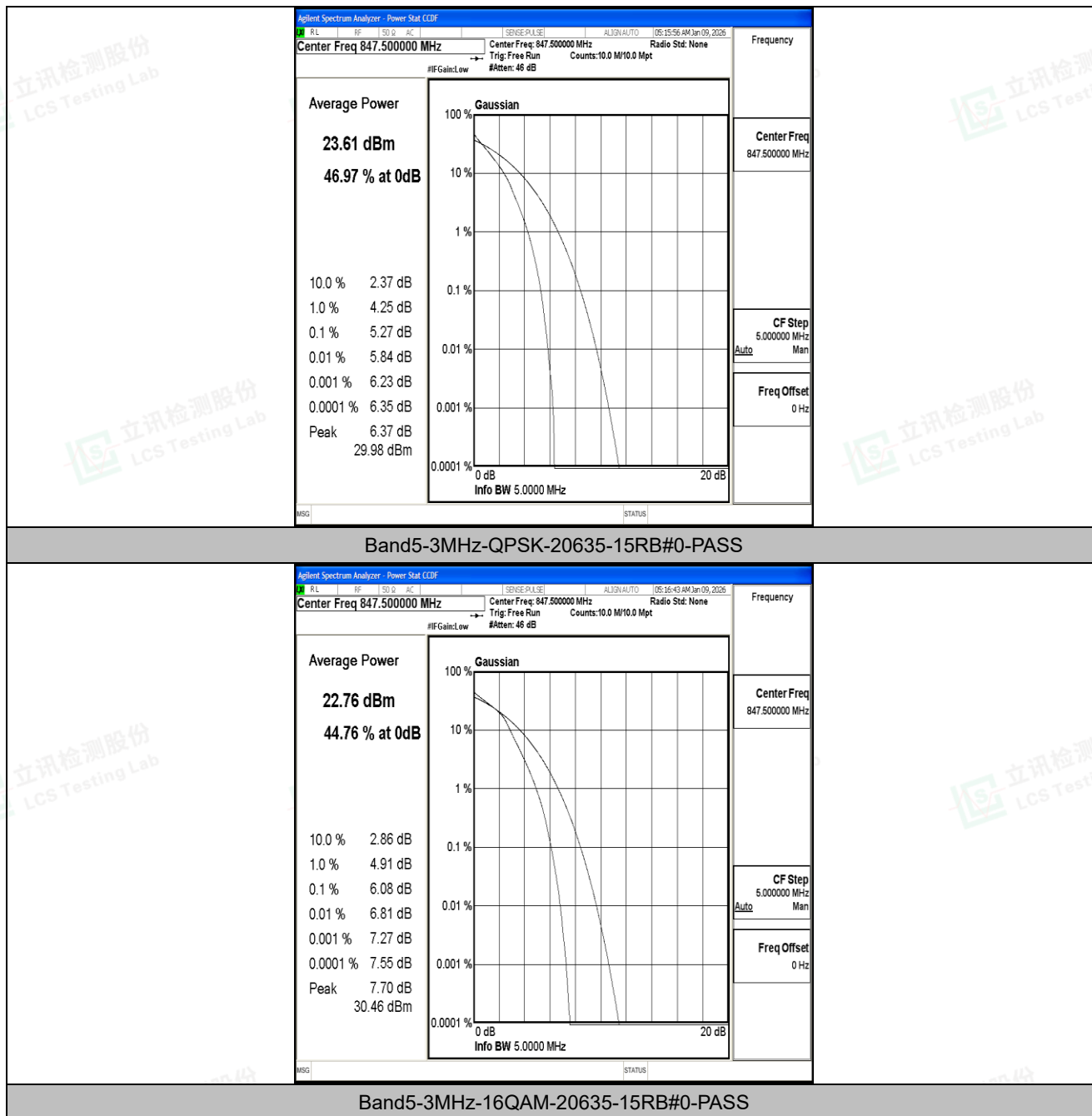


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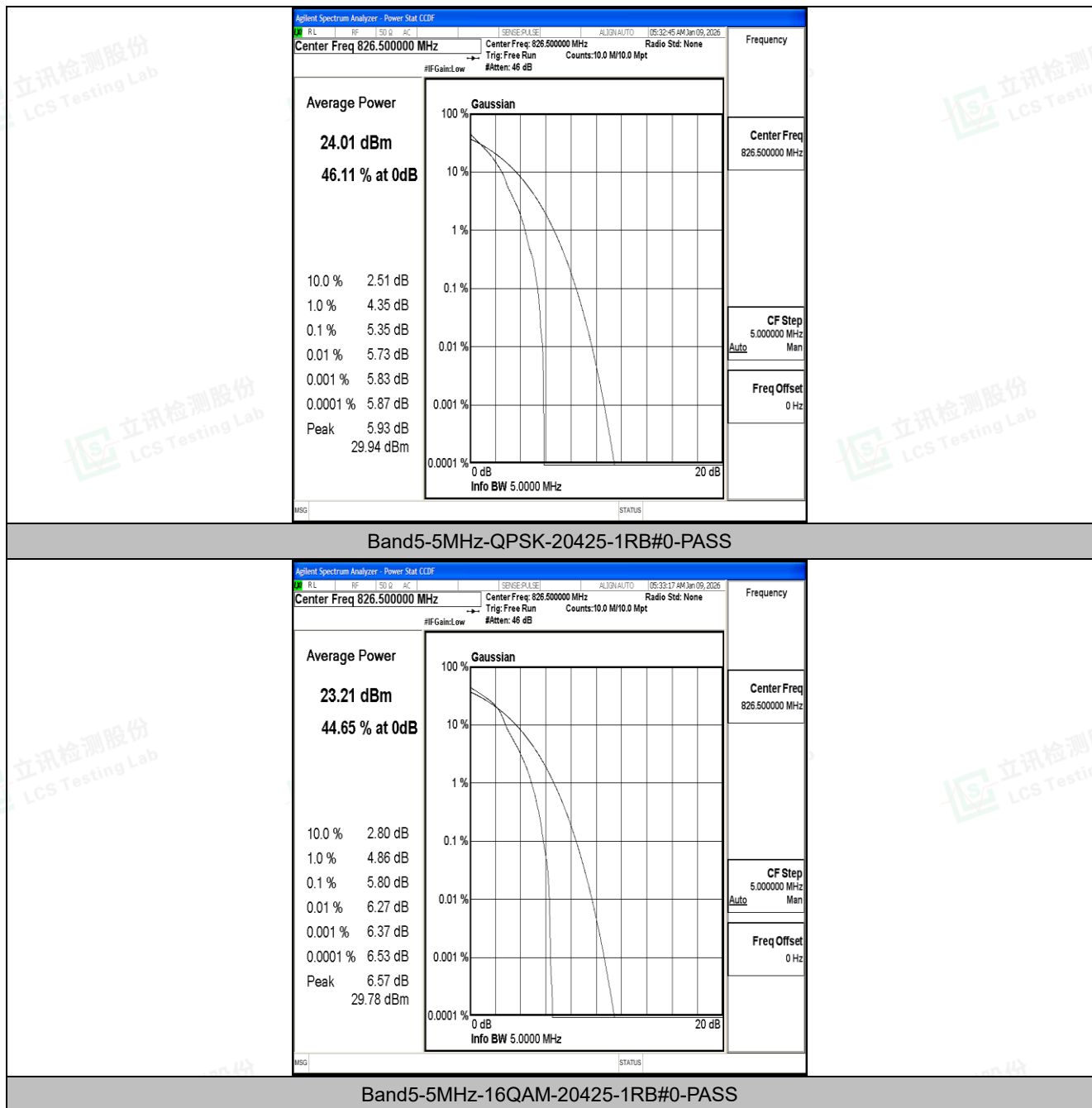


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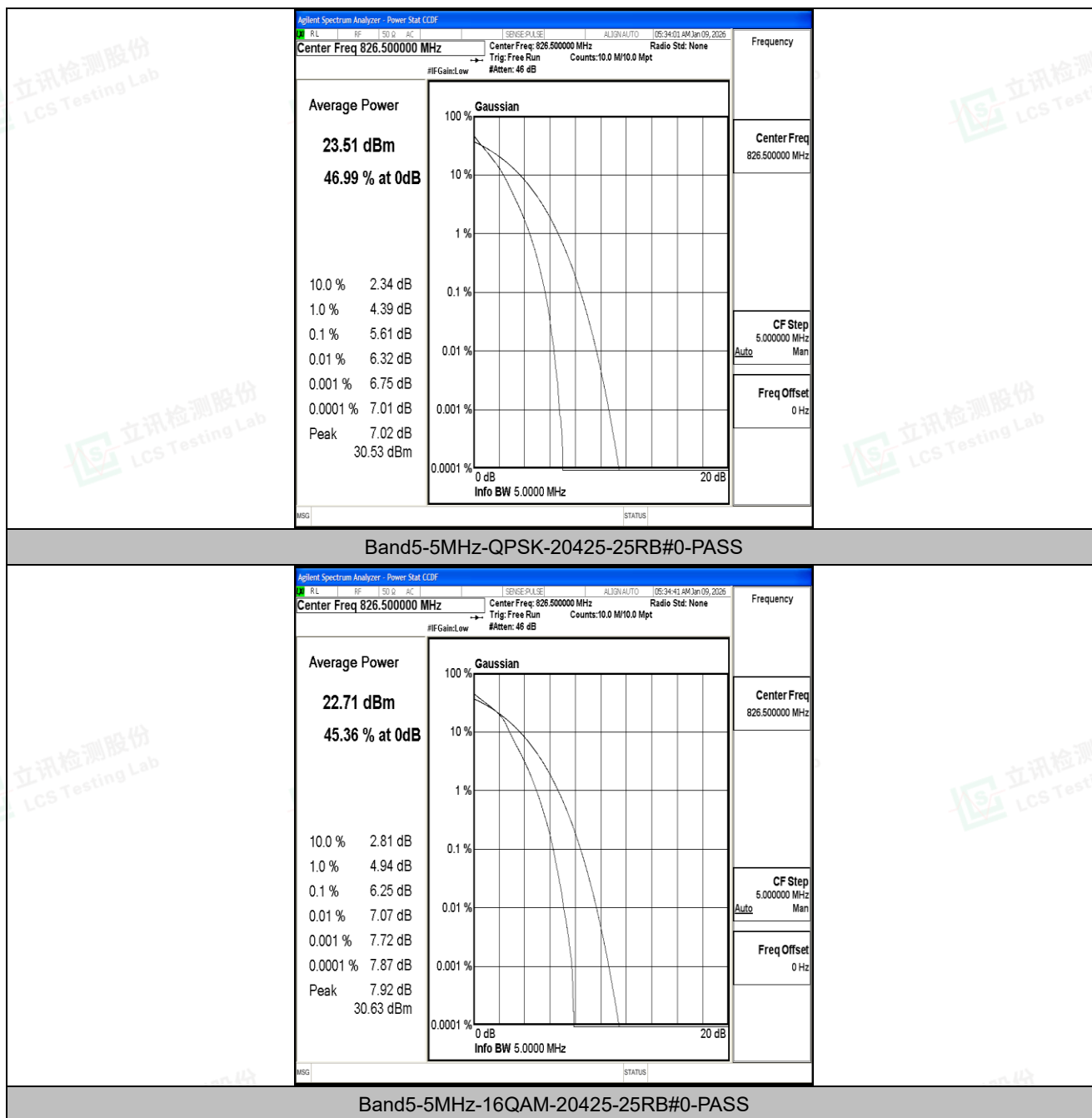


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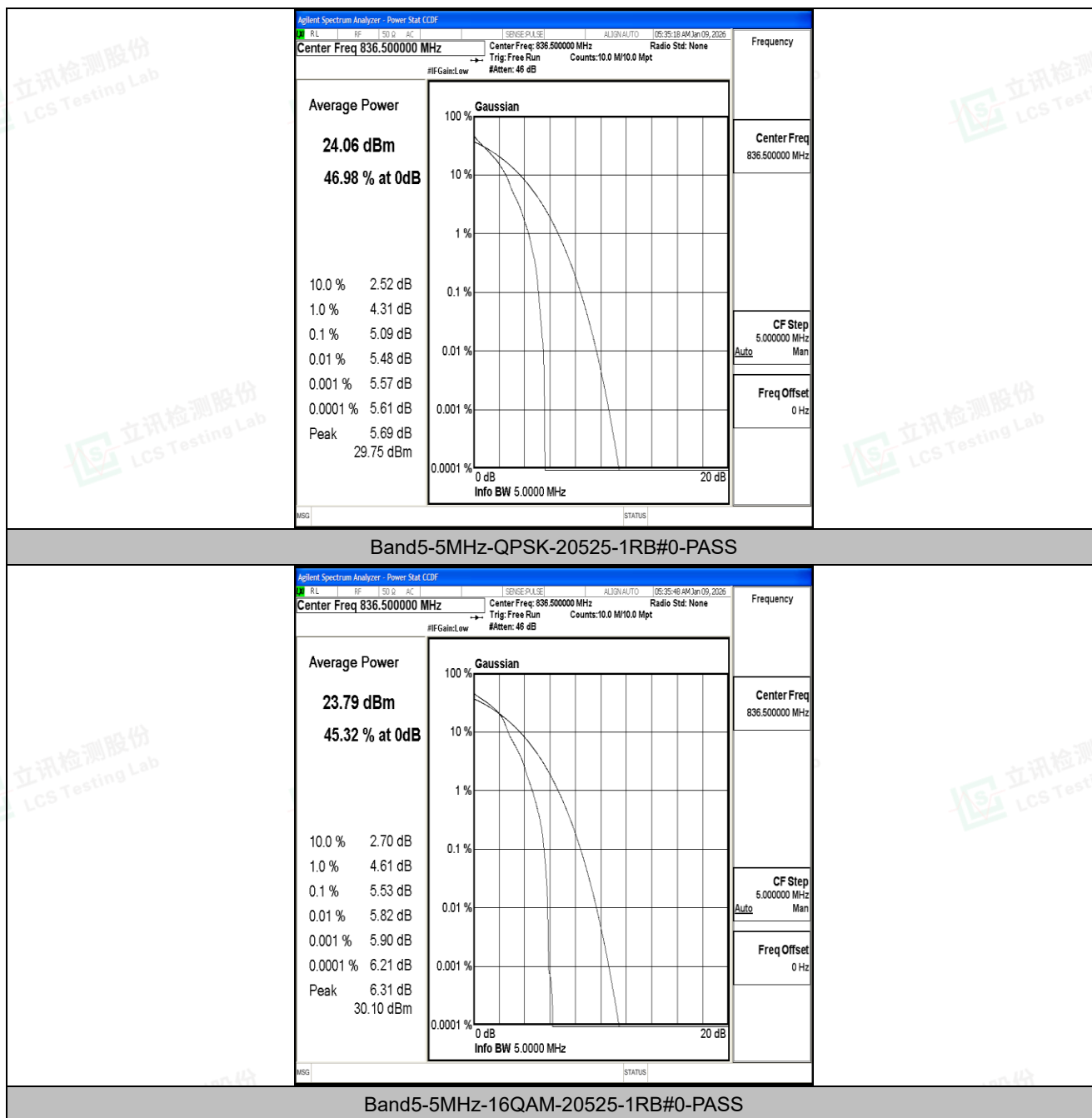


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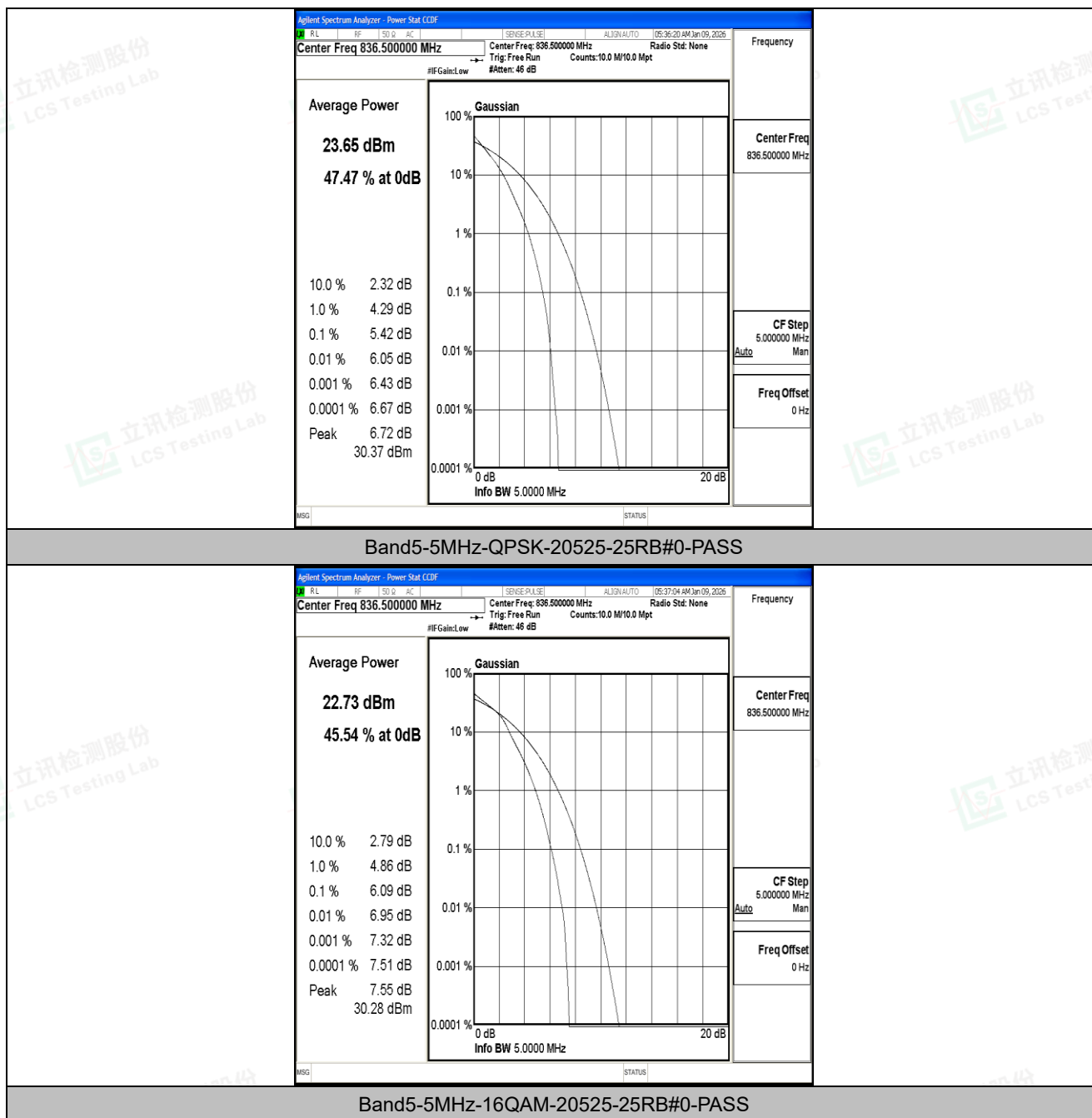


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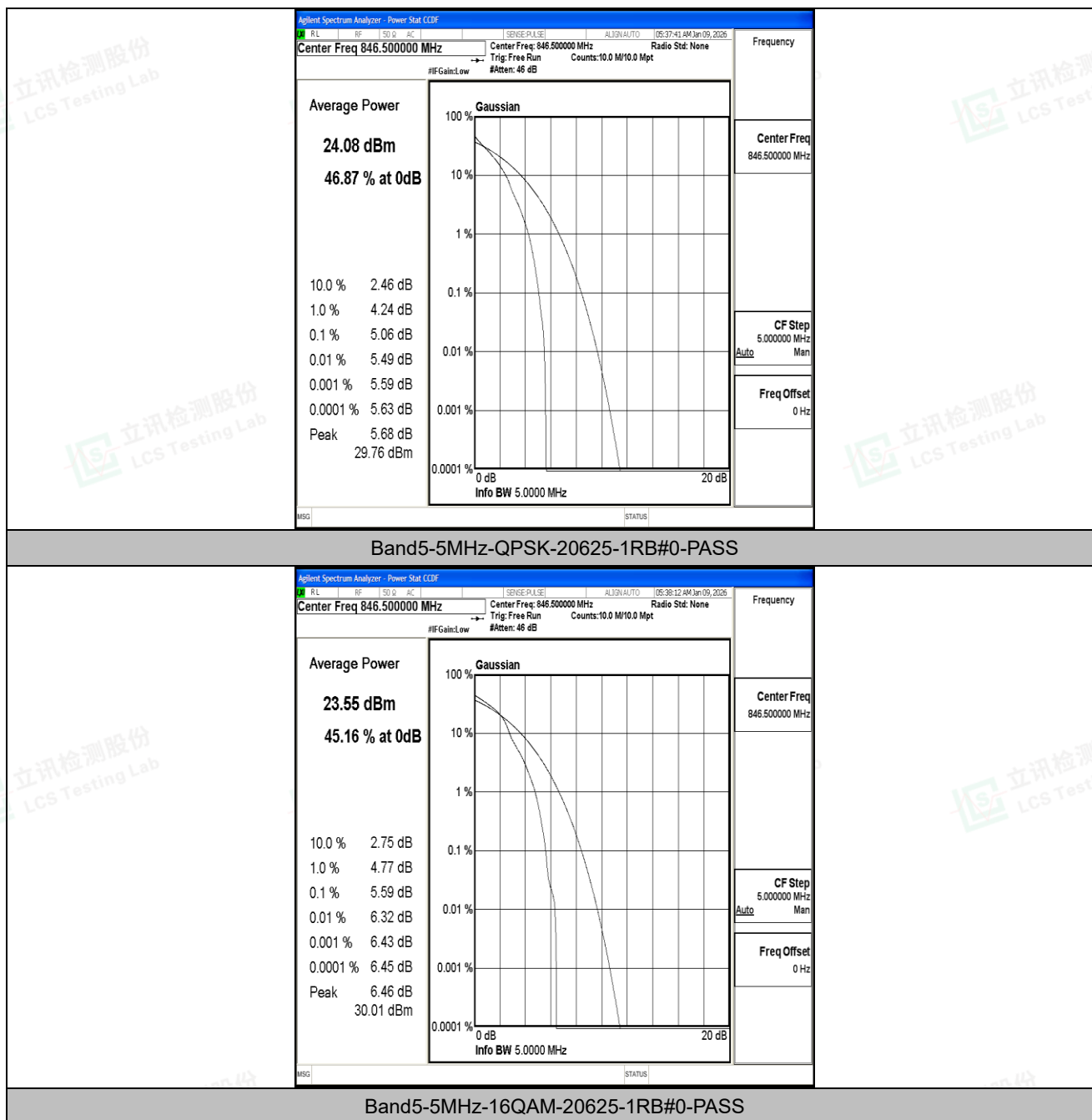


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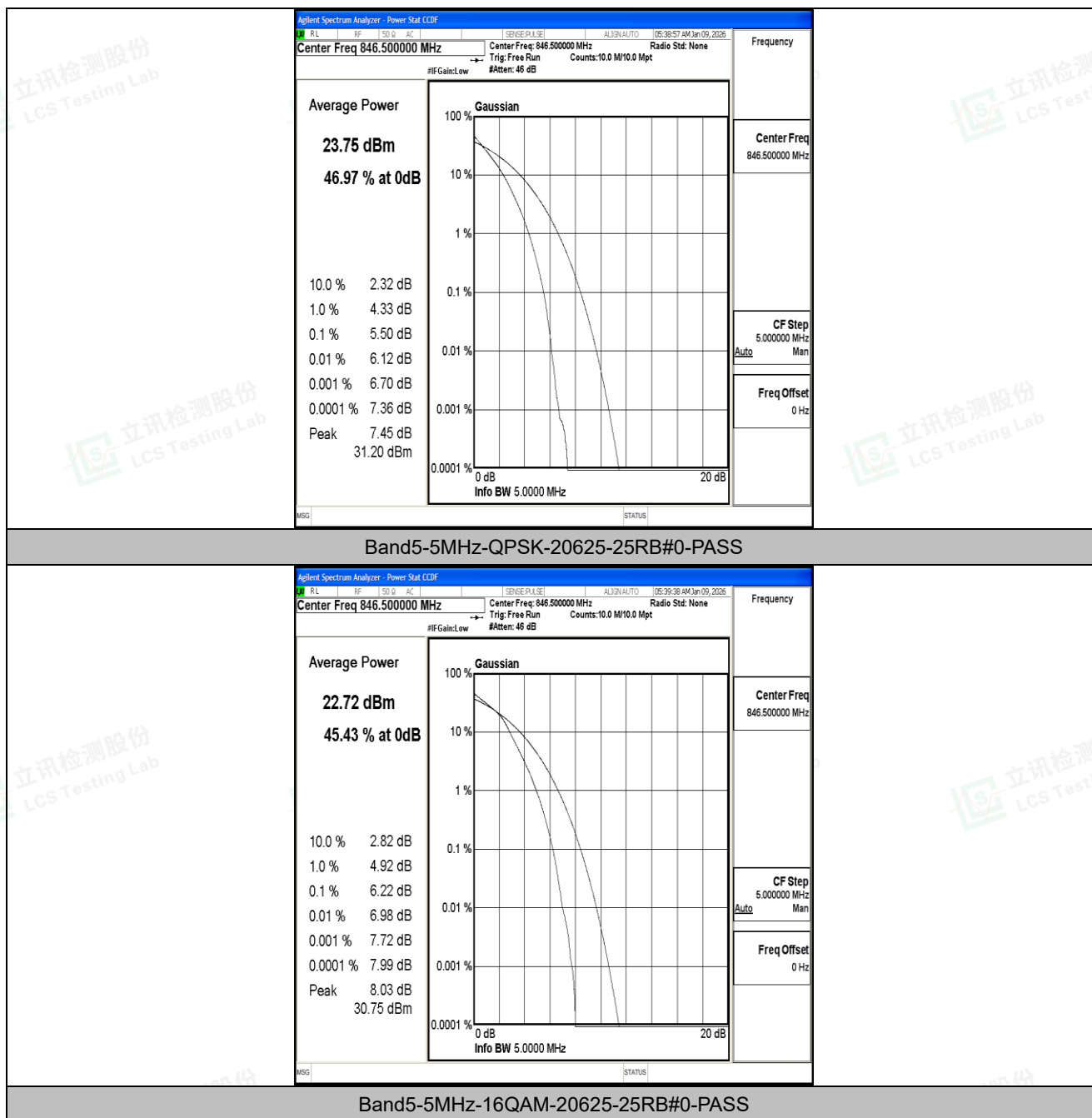


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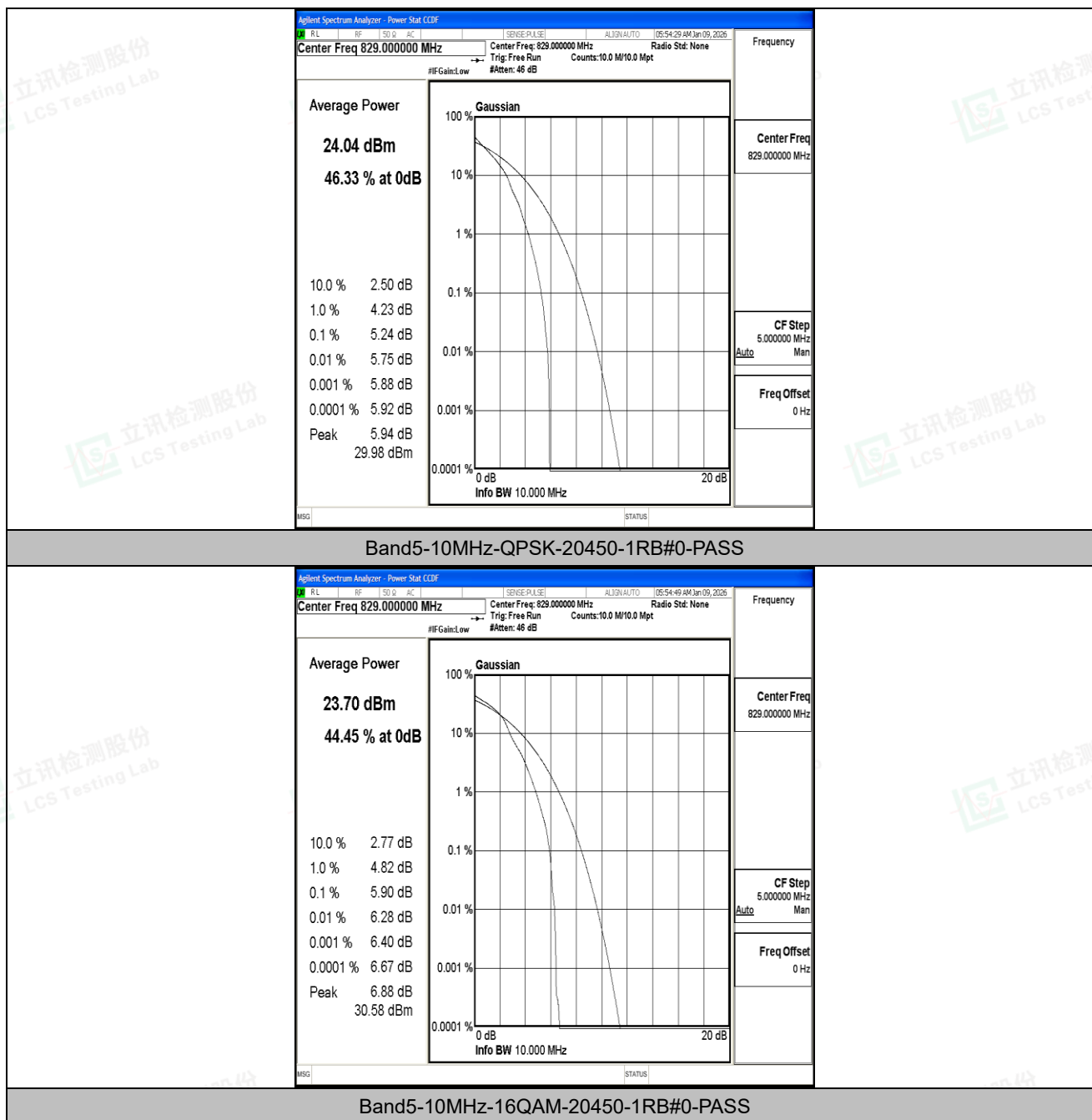


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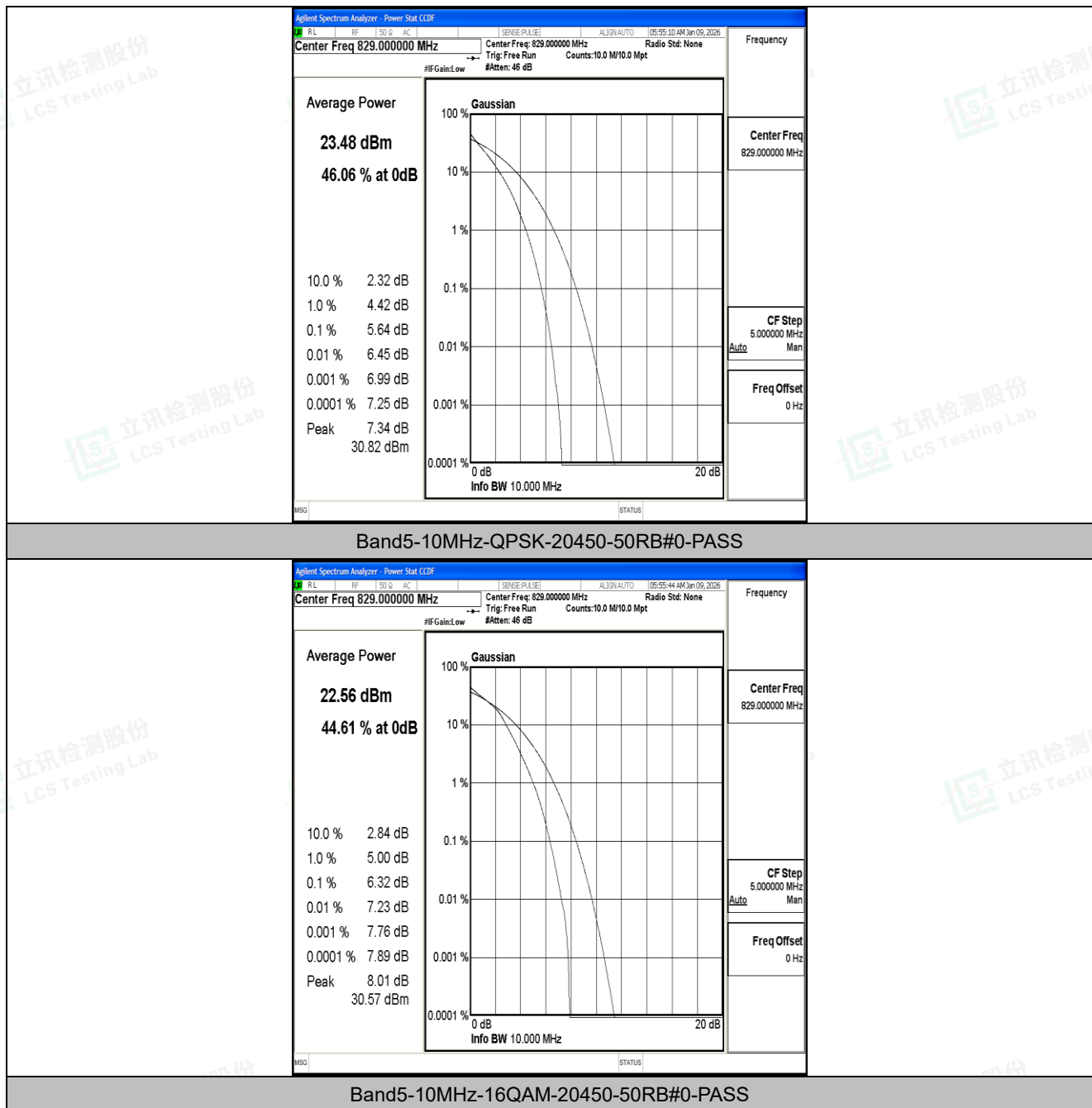


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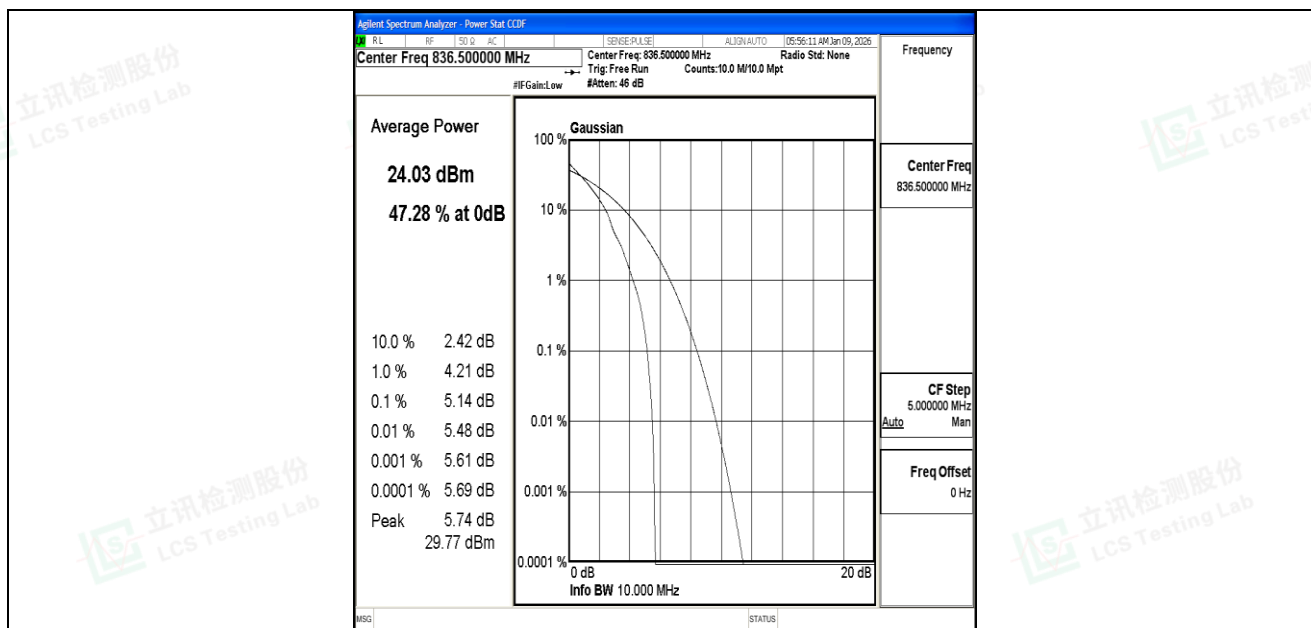


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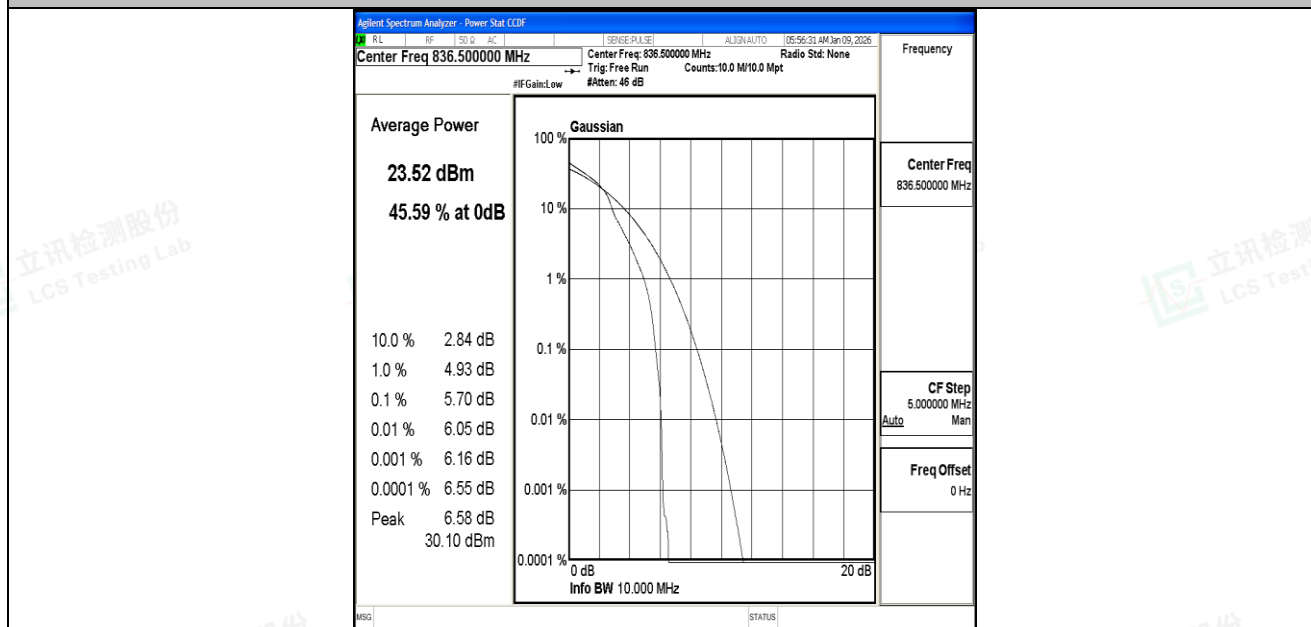
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Band5-10MHz-QPSK-20525-1RB#0-PASS



Band5-10MHz-16QAM-20525-1RB#0-PASS

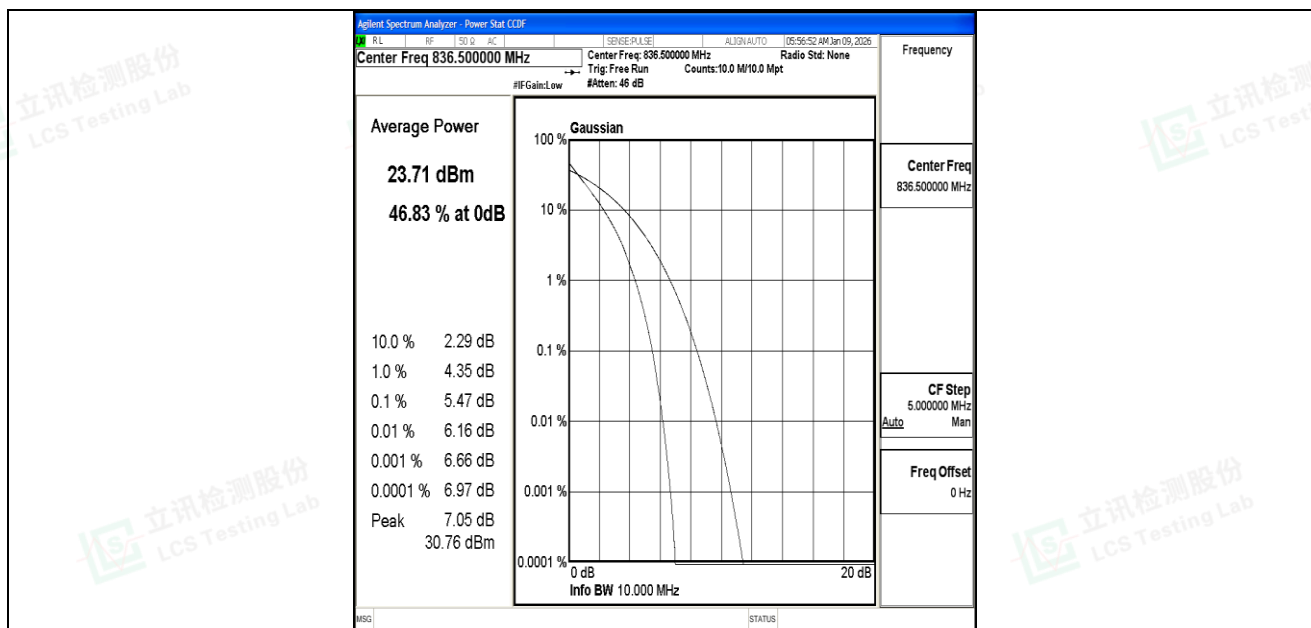


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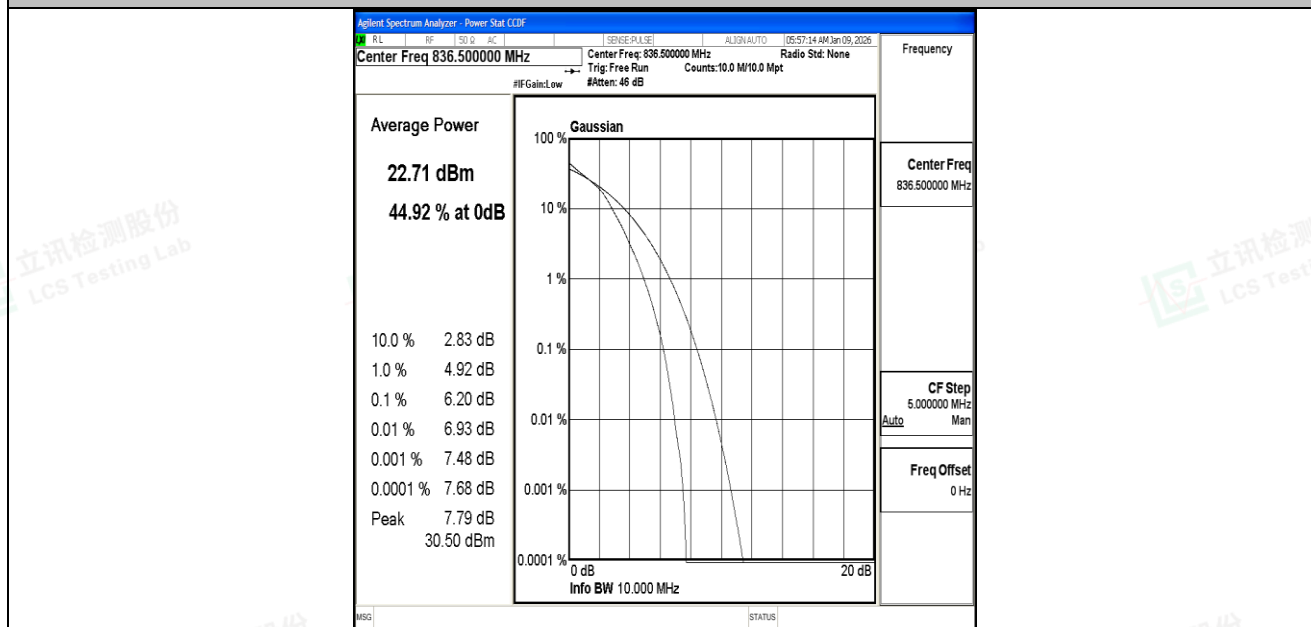
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Band5-10MHz-QPSK-20525-50RB#0-PASS



Band5-10MHz-16QAM-20525-50RB#0-PASS

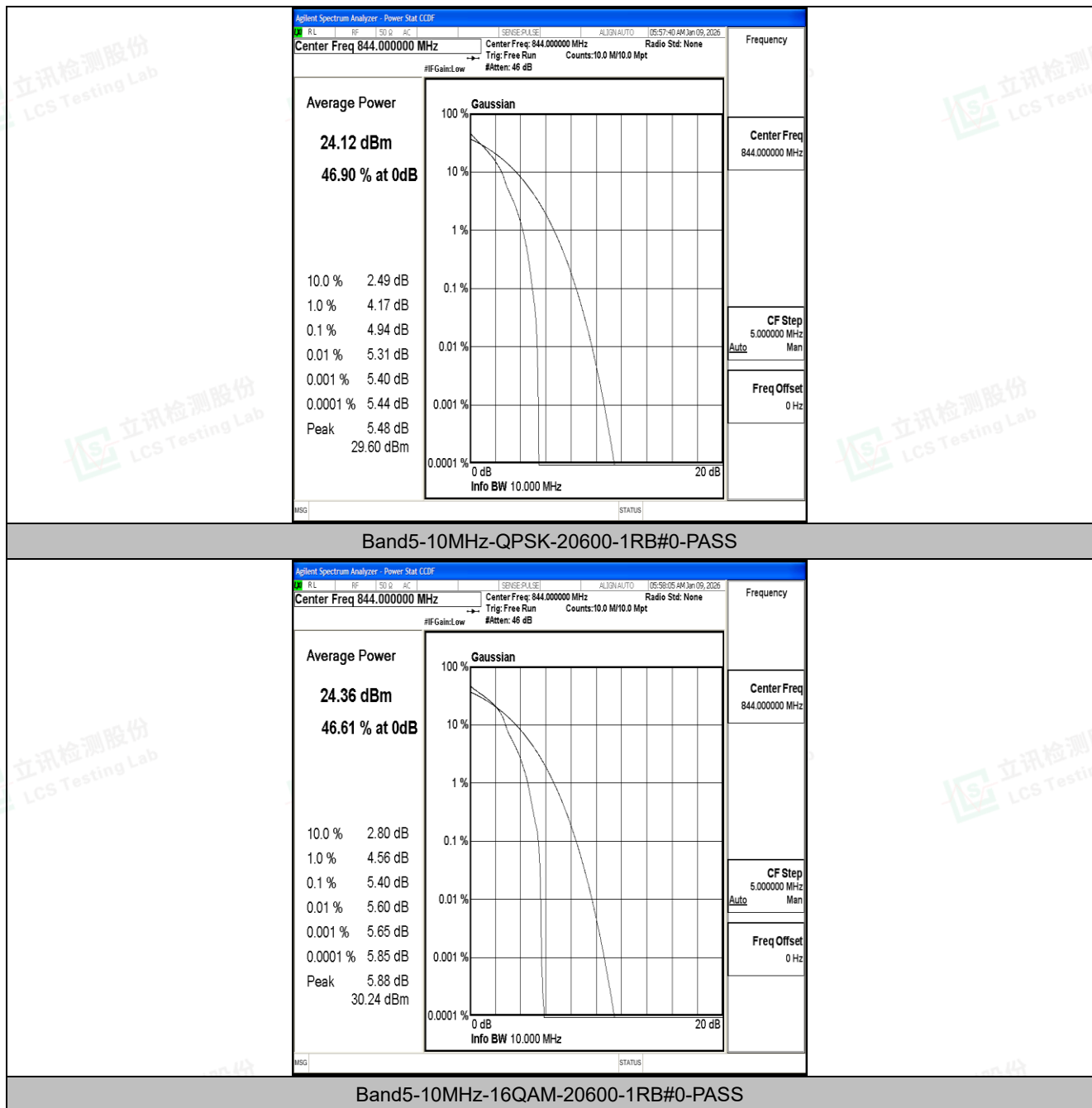


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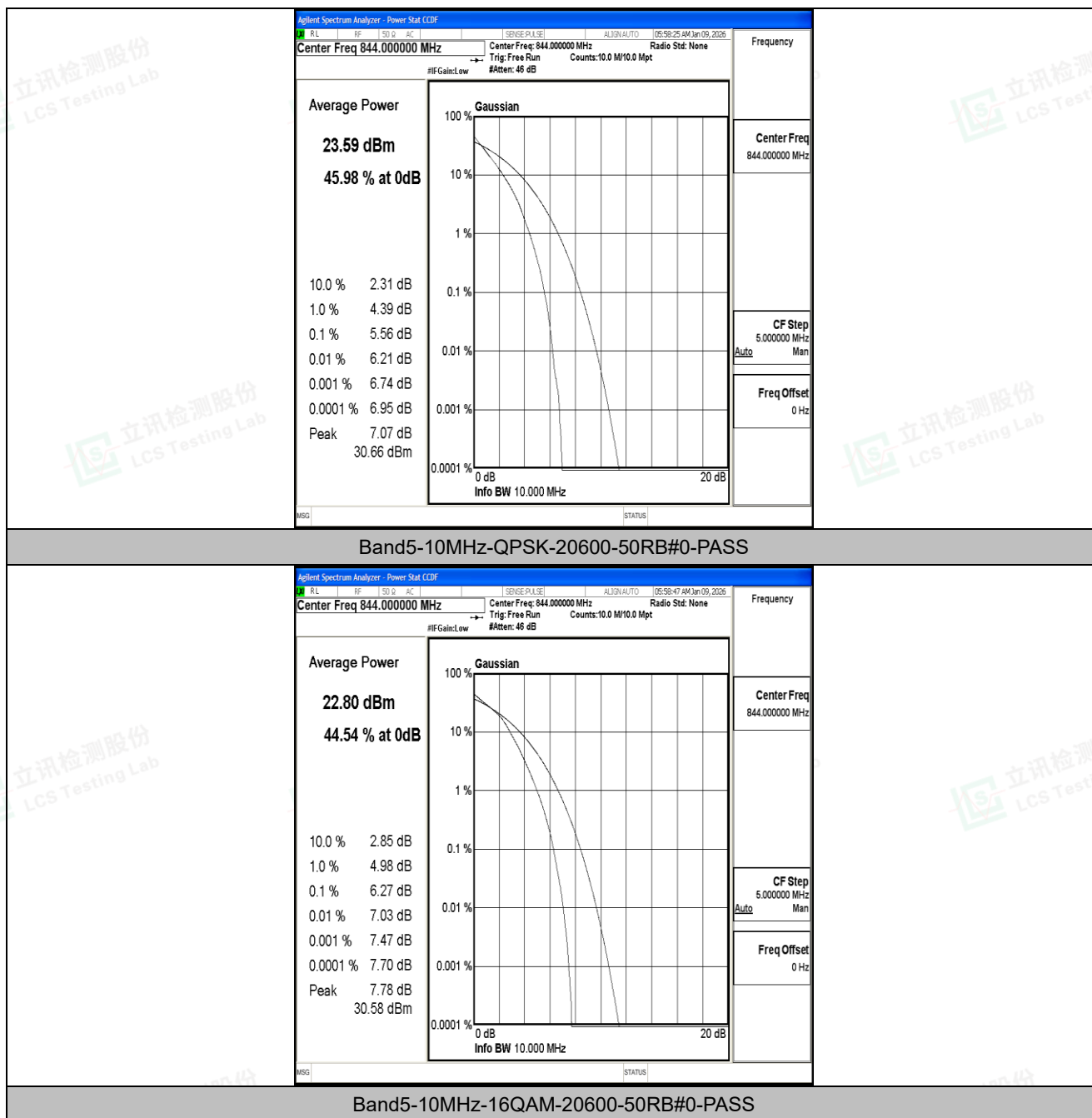


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H.3 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	1.0898	1.242	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.1025	1.251	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.1002	1.249	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.0973	1.245	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.1017	1.245	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.0887	1.244	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.7562	3.095	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.7374	3.075	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.7461	3.100	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.7465	3.090	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.7493	3.091	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.7423	3.077	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.5161	4.982	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.5120	4.962	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.5051	4.963	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.5056	4.973	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.5150	4.972	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.5272	4.997	PASS
Band5	10MHz	QPSK	20450	50RB#0	9.0017	9.930	PASS
Band5	10MHz	16QAM	20450	50RB#0	9.0011	9.933	PASS
Band5	10MHz	QPSK	20525	50RB#0	8.9971	9.899	PASS
Band5	10MHz	16QAM	20525	50RB#0	8.9836	9.892	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.9837	9.889	PASS
Band5	10MHz	16QAM	20600	50RB#0	9.0115	9.919	PASS



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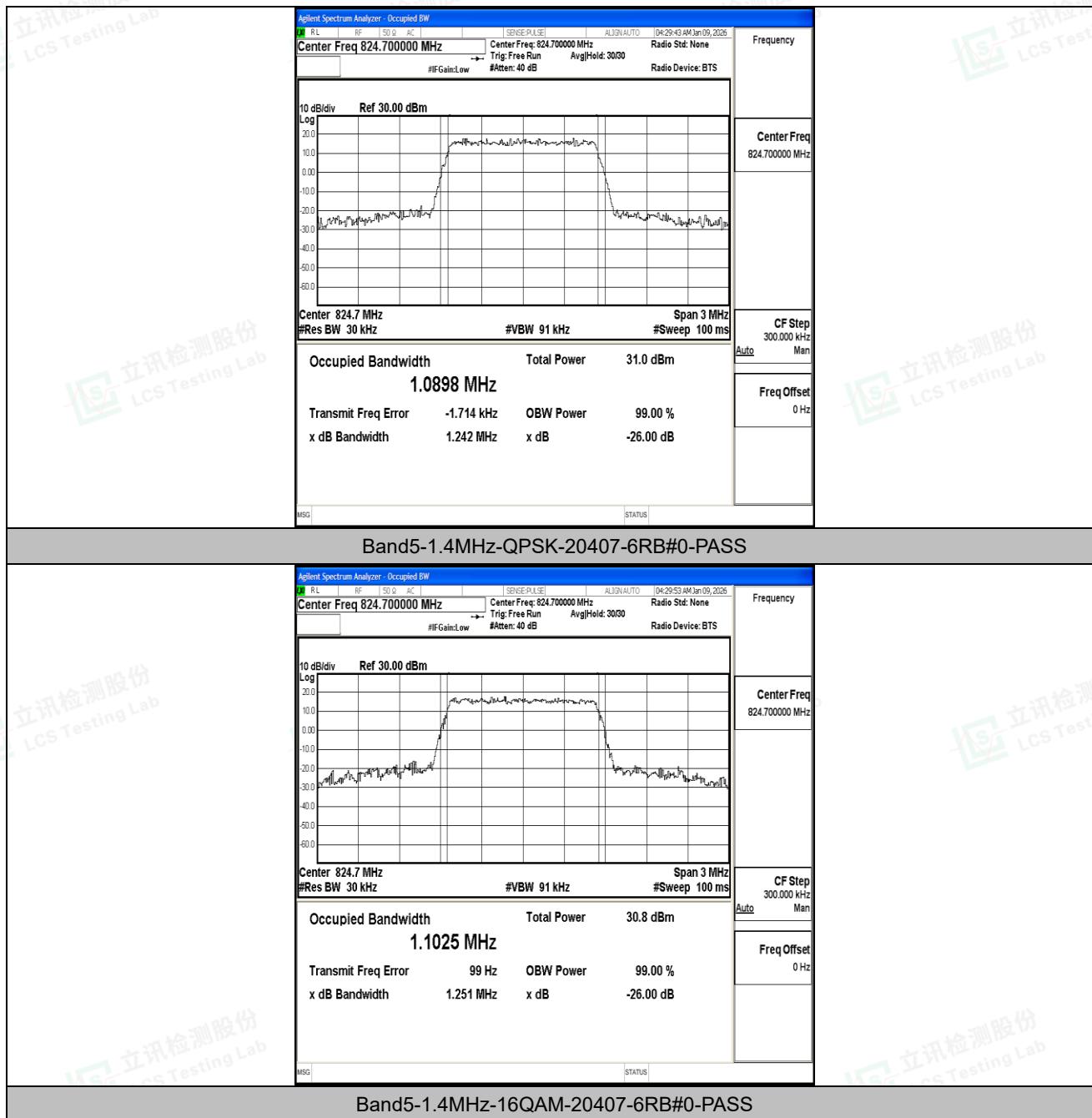
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Test Graphs

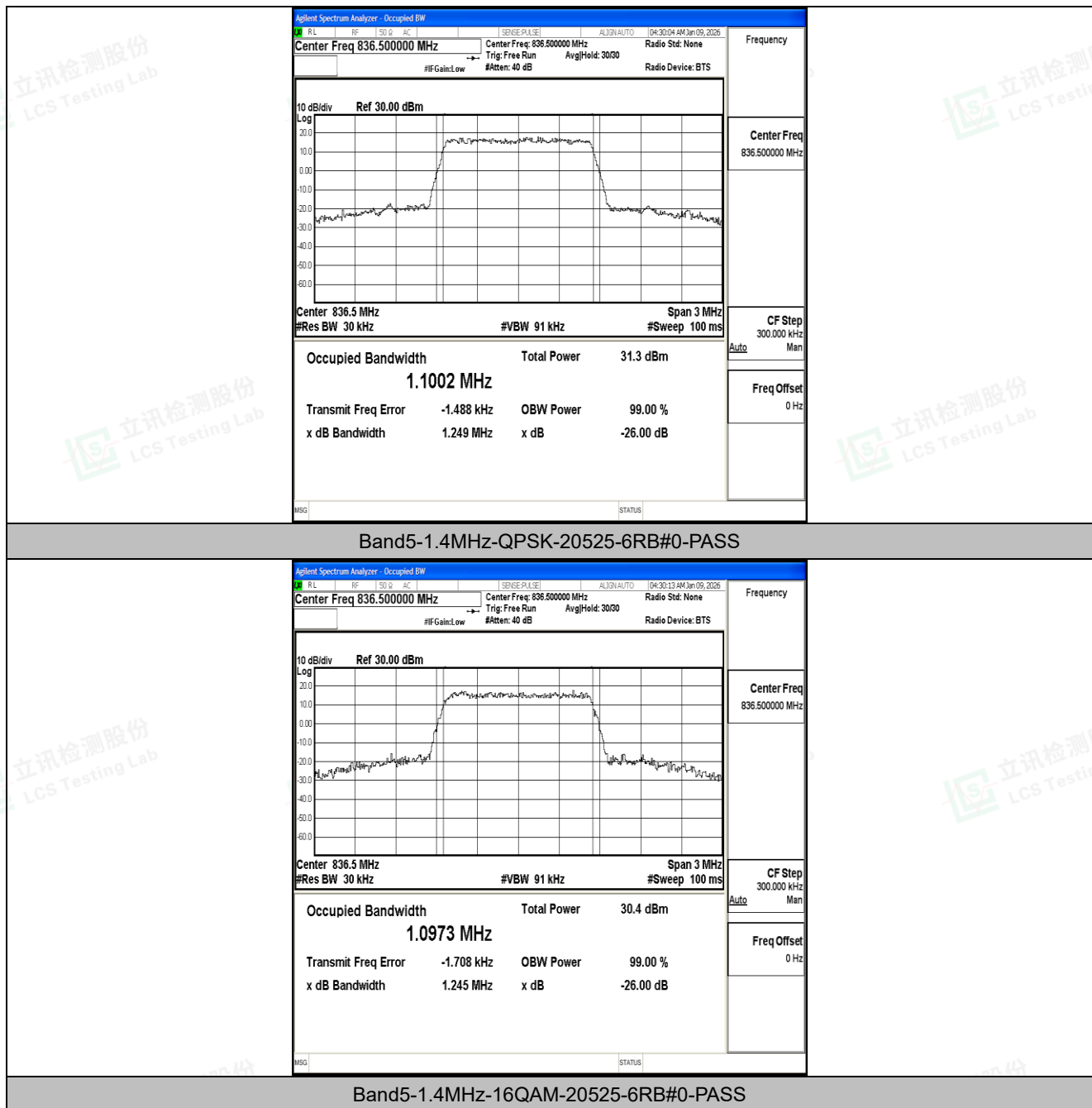


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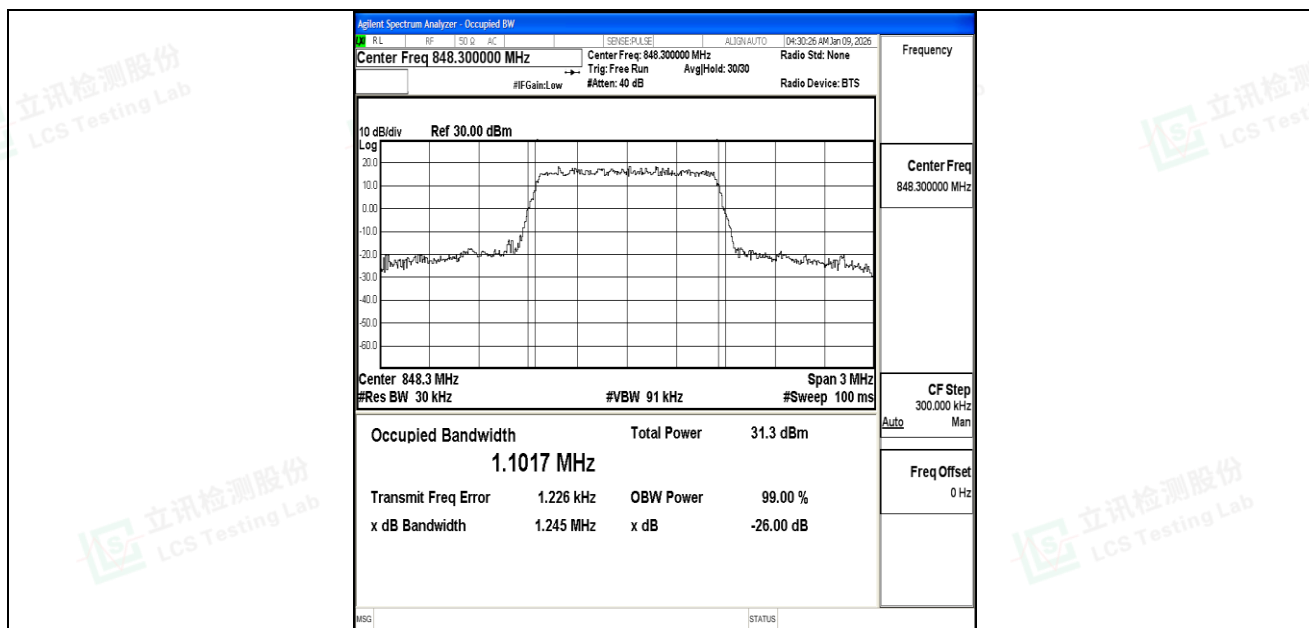


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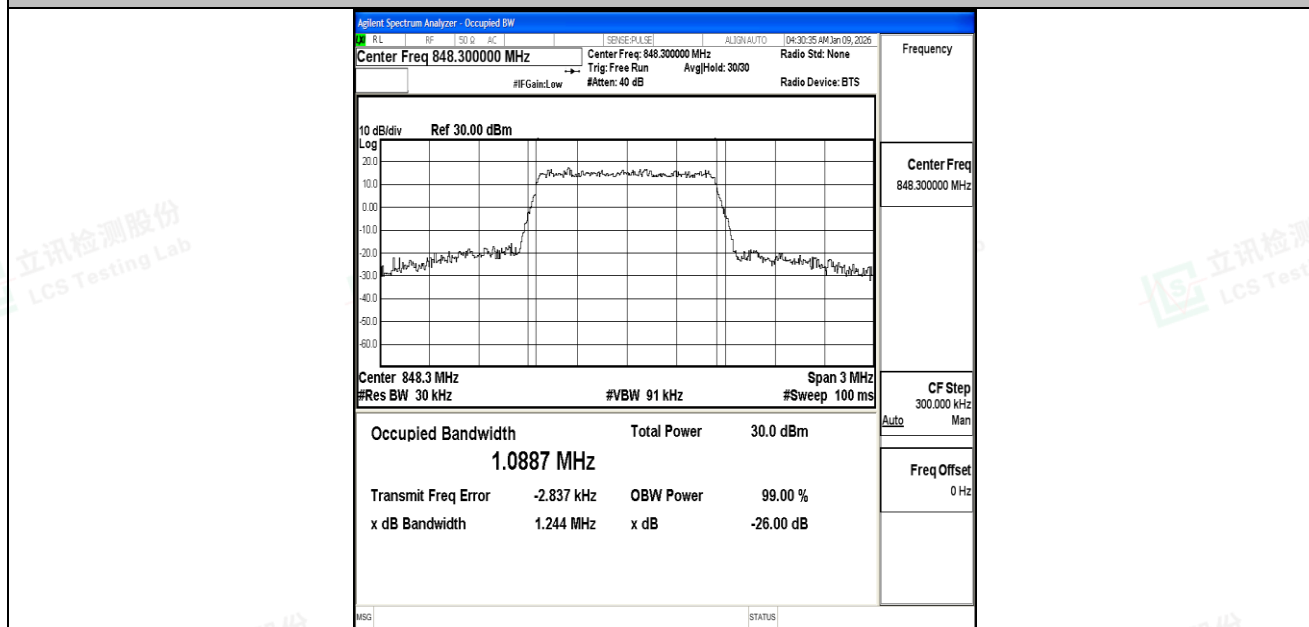
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Band5-1.4MHz-QPSK-20643-6RB#0-PASS



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

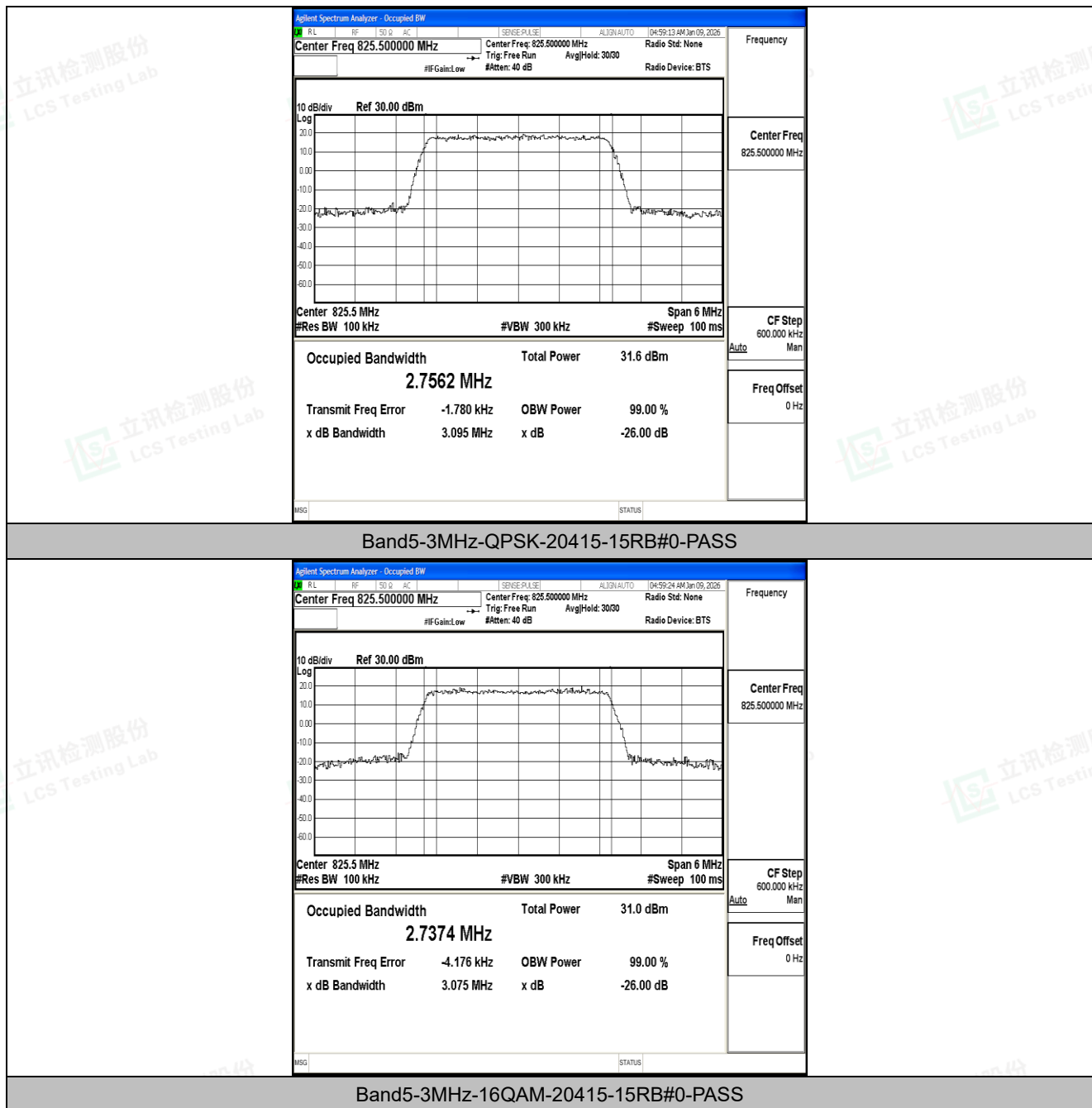


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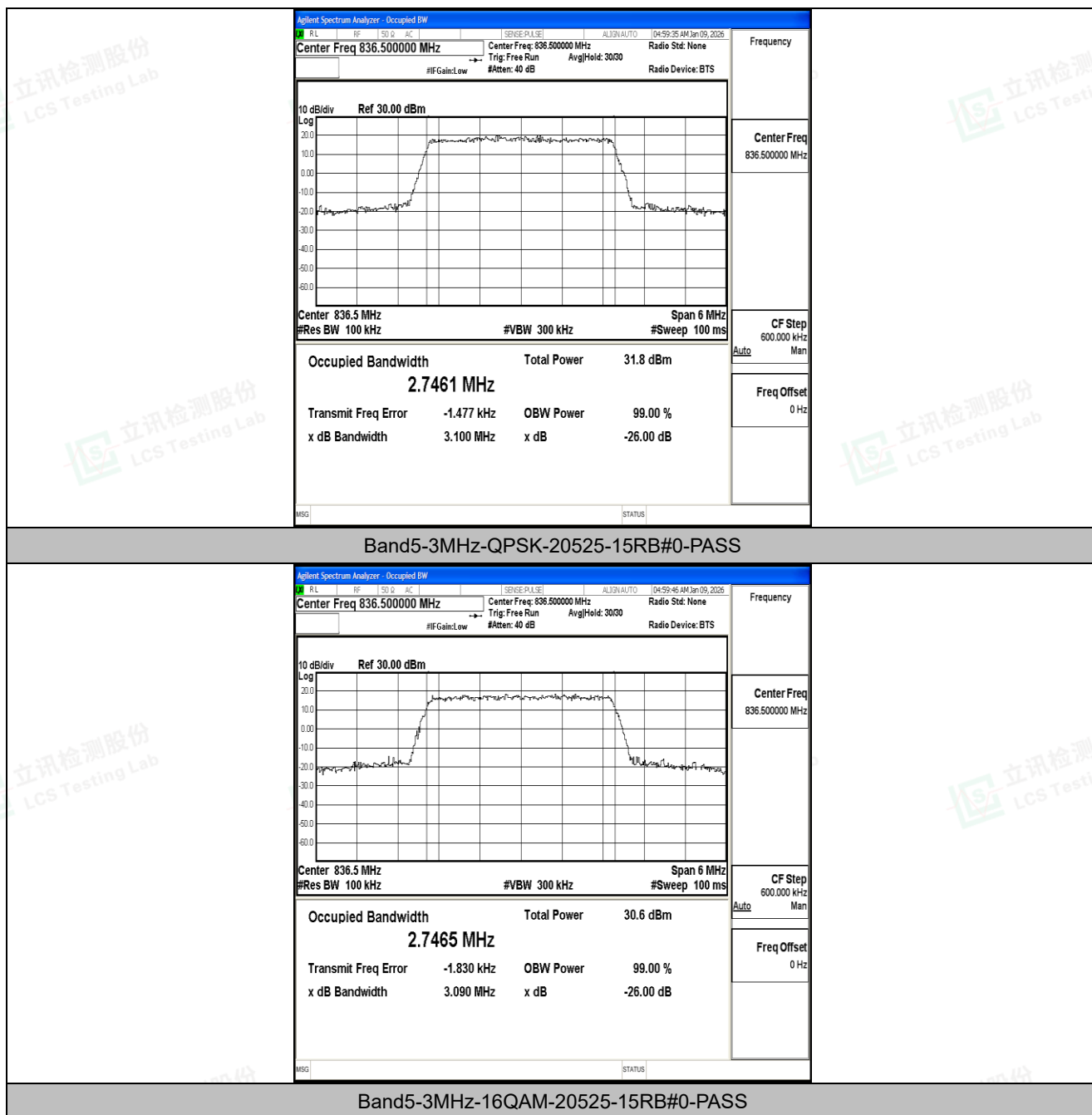


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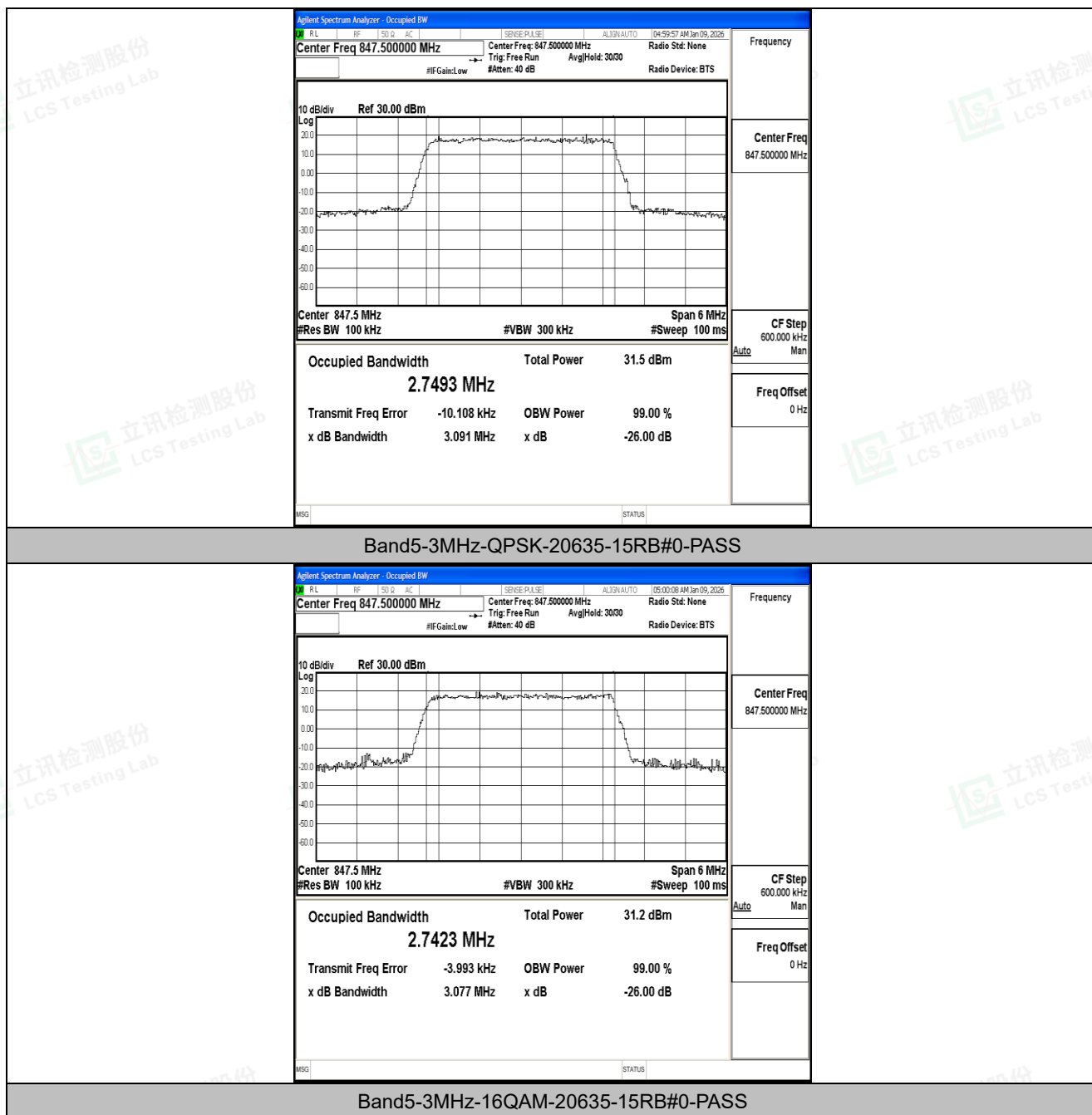


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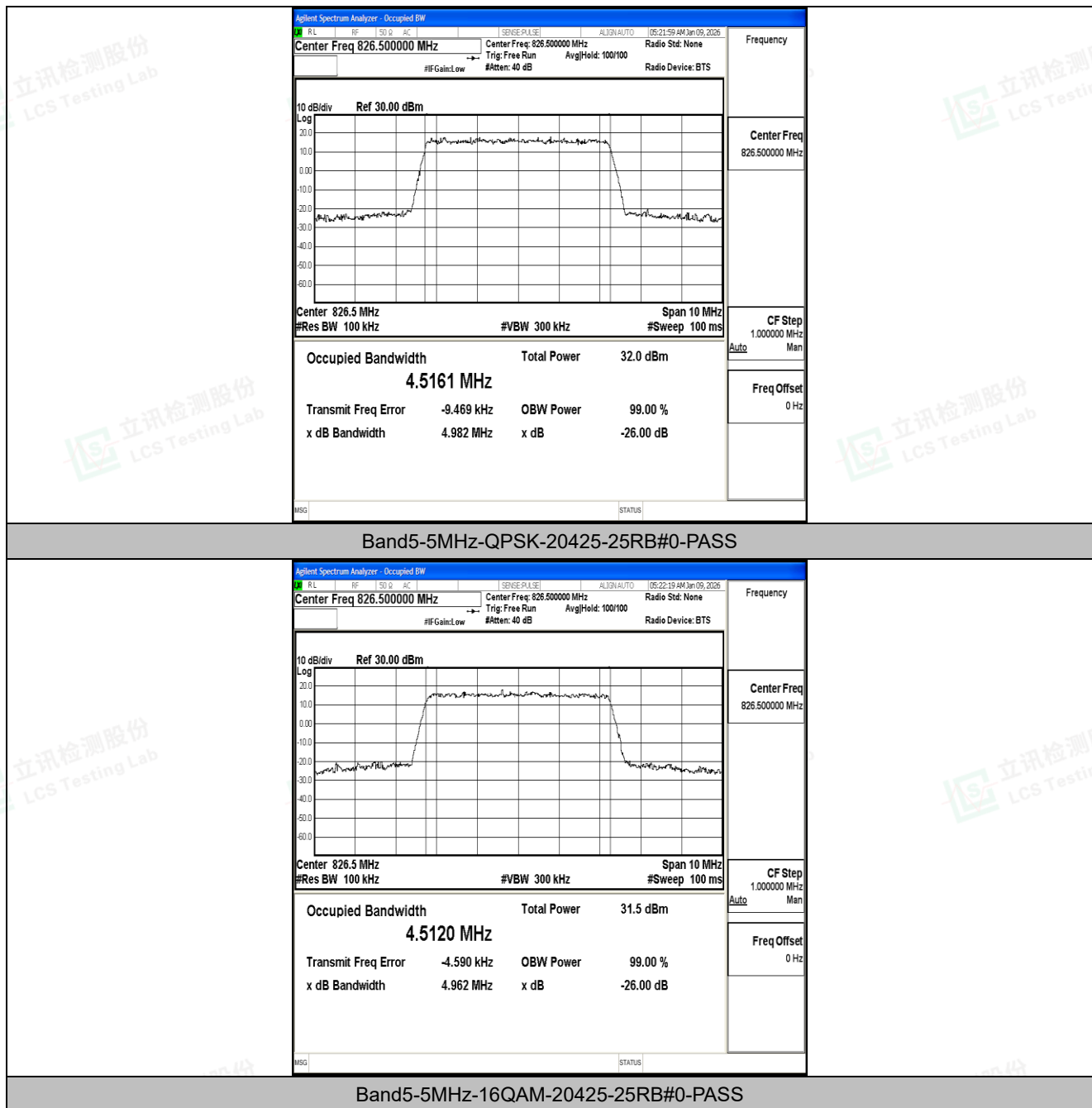


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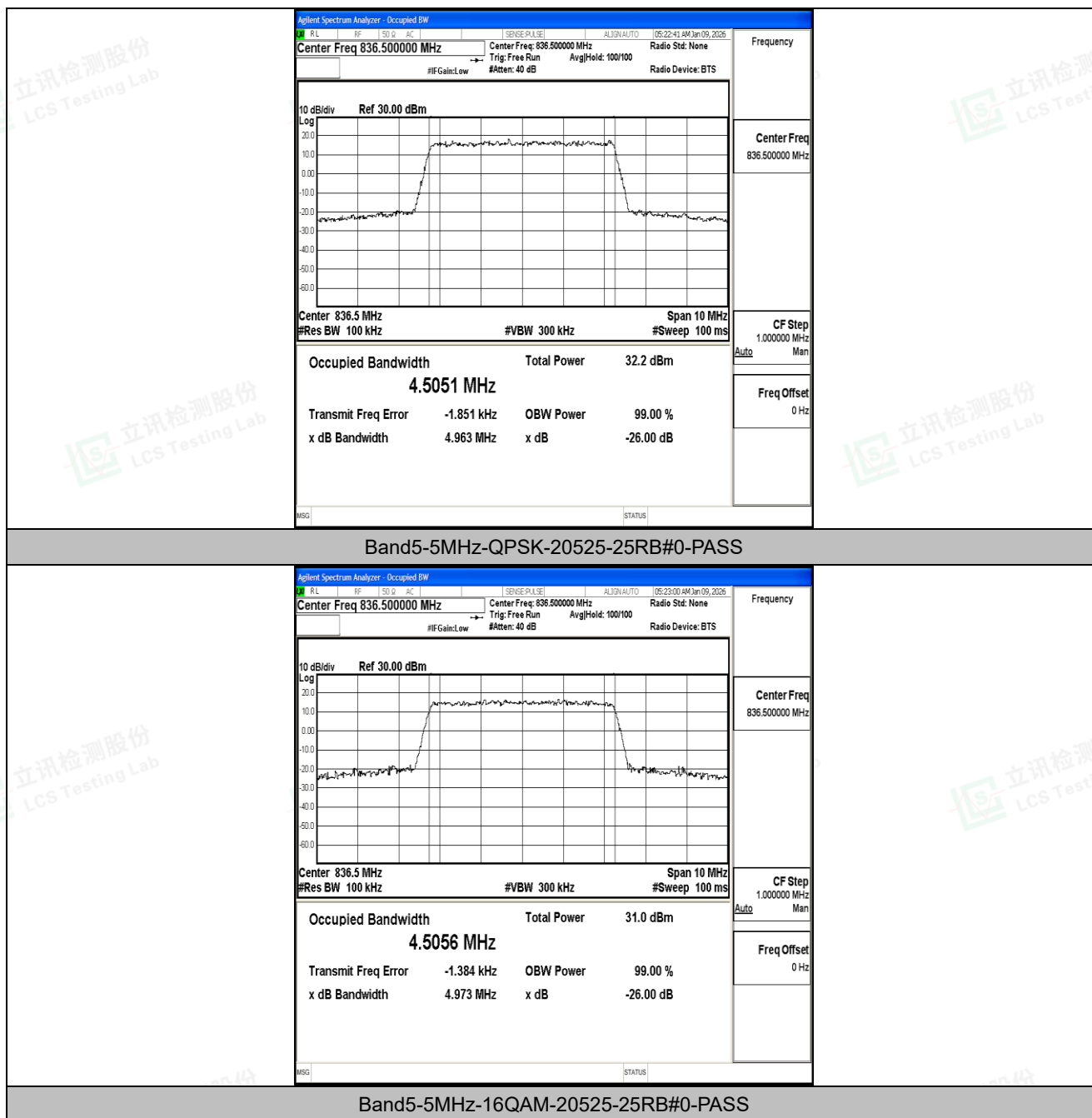


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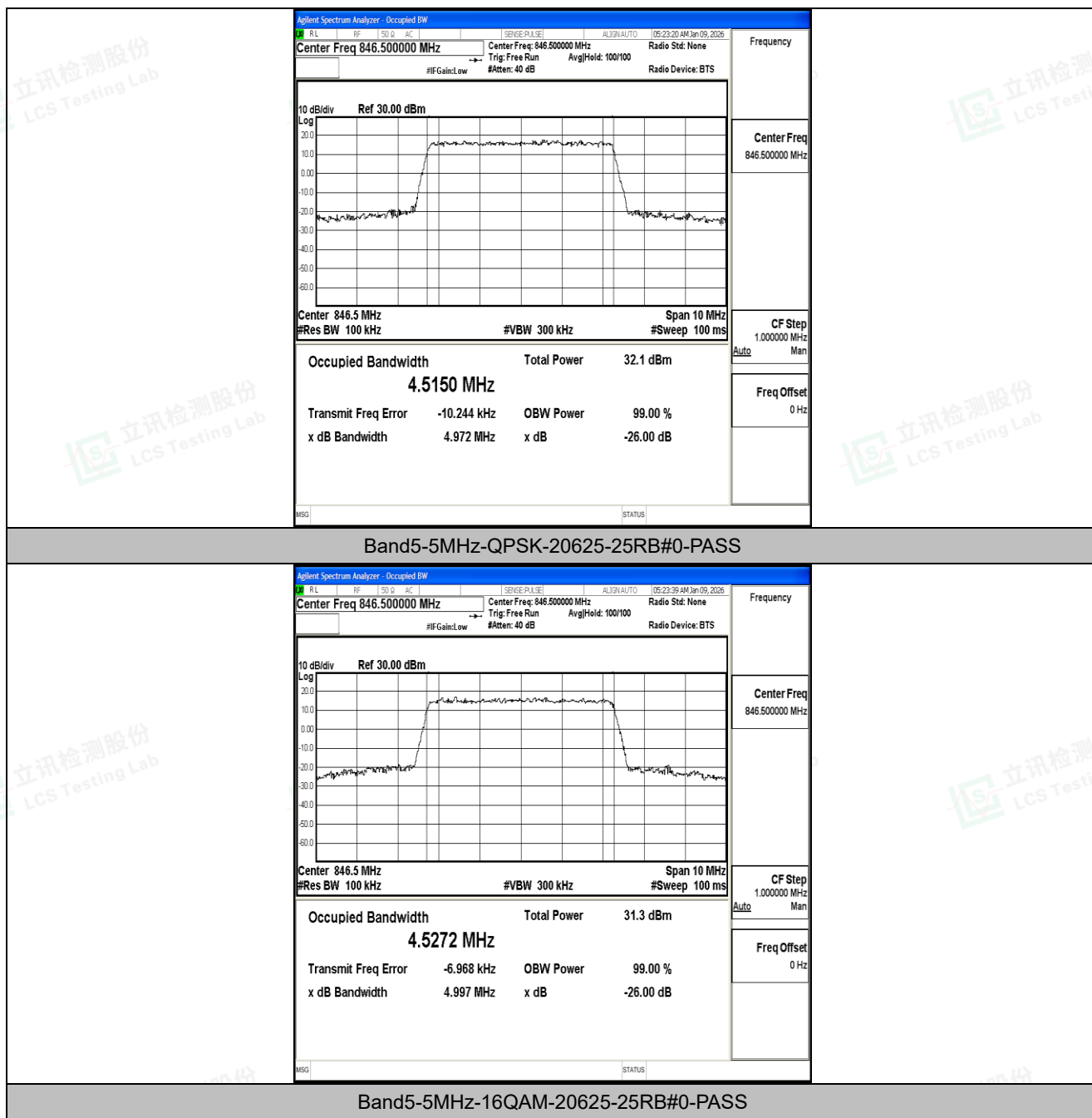


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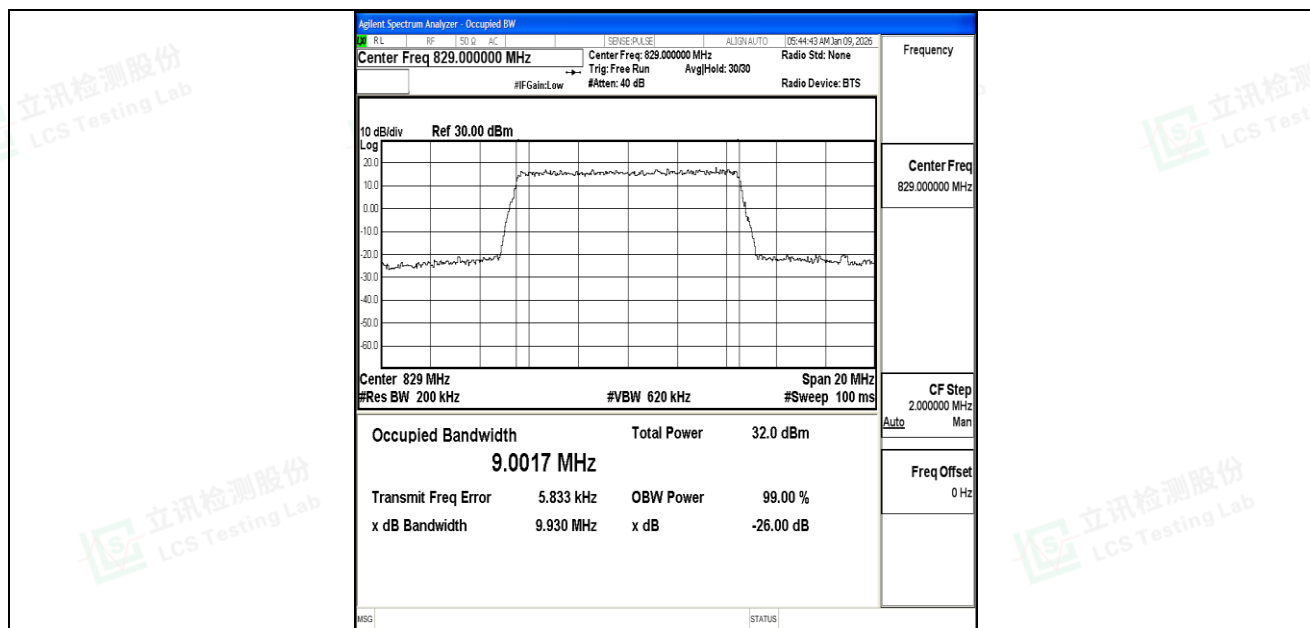


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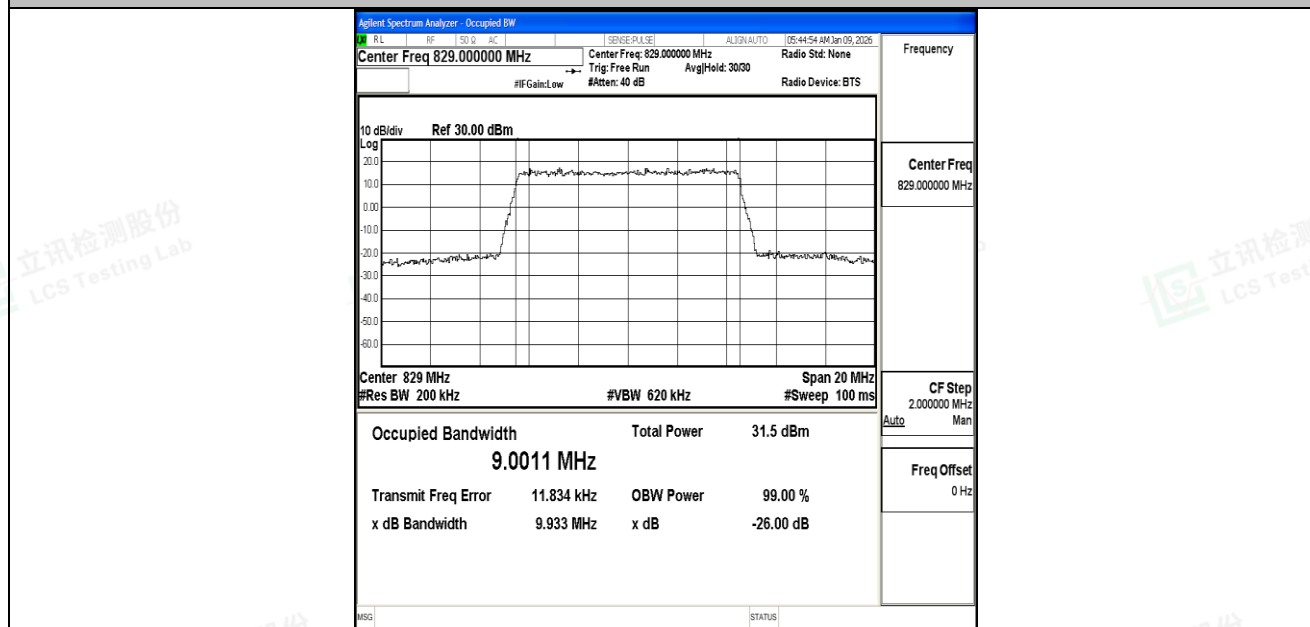
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Band5-10MHz-QPSK-20450-50RB#0-PASS



Band5-10MHz-16QAM-20450-50RB#0-PASS

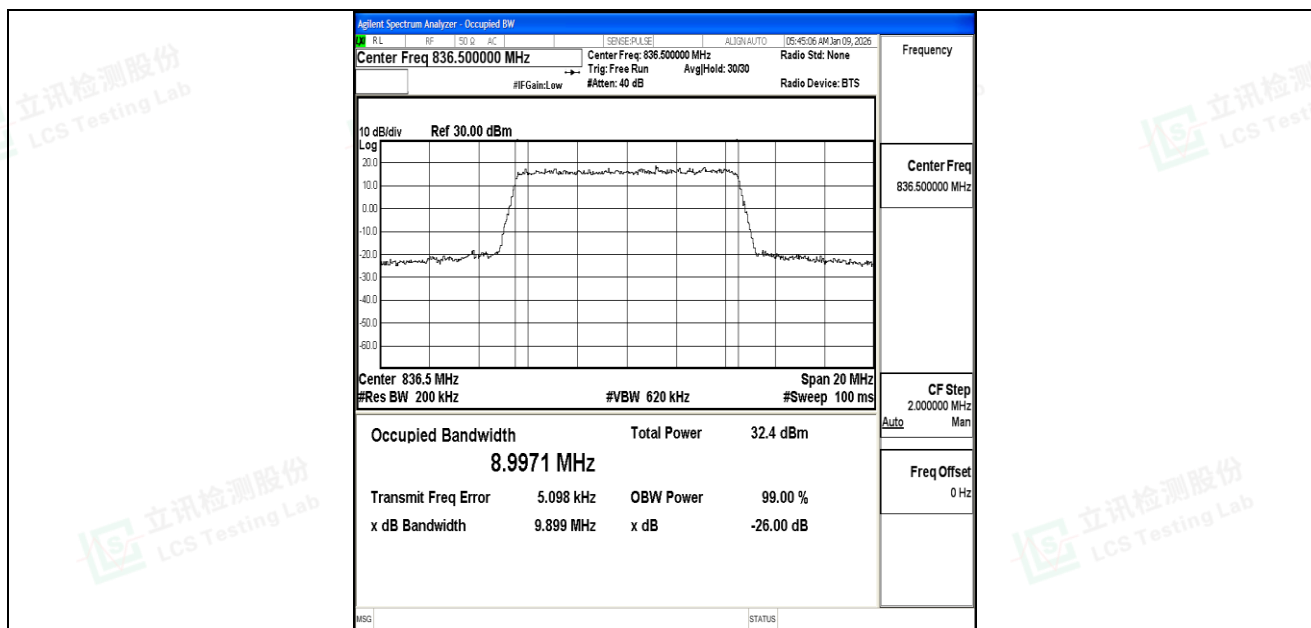


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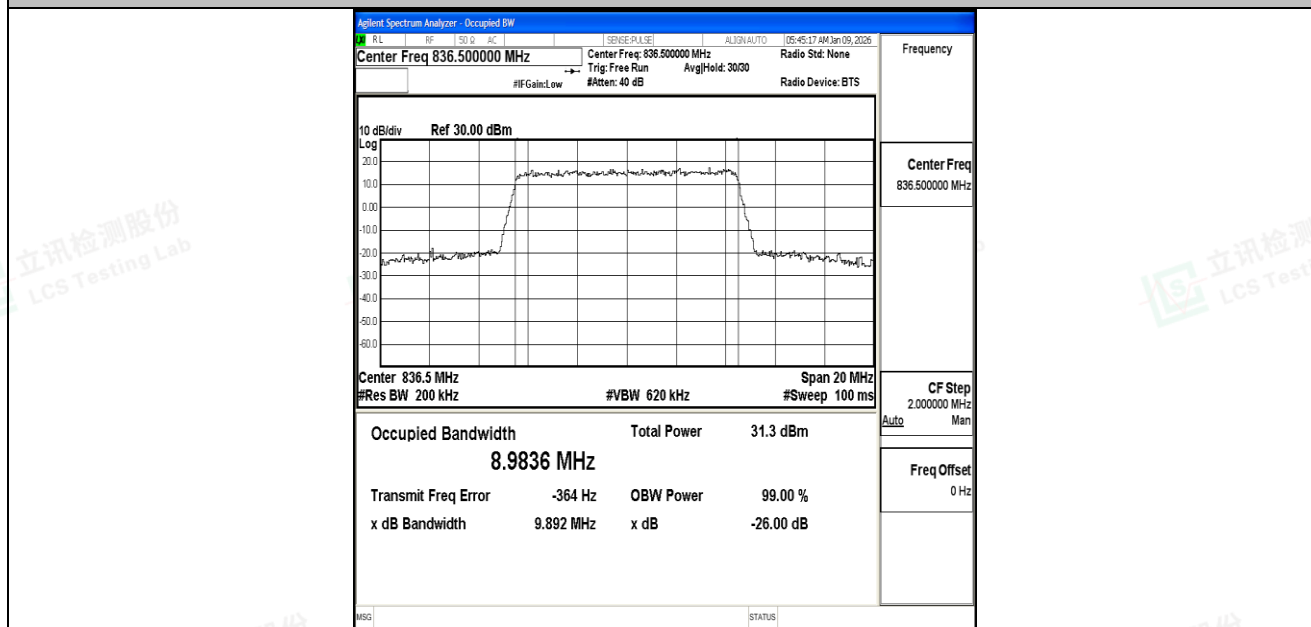
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Band5-10MHz-QPSK-20525-50RB#0-PASS



Band5-10MHz-16QAM-20525-50RB#0-PASS

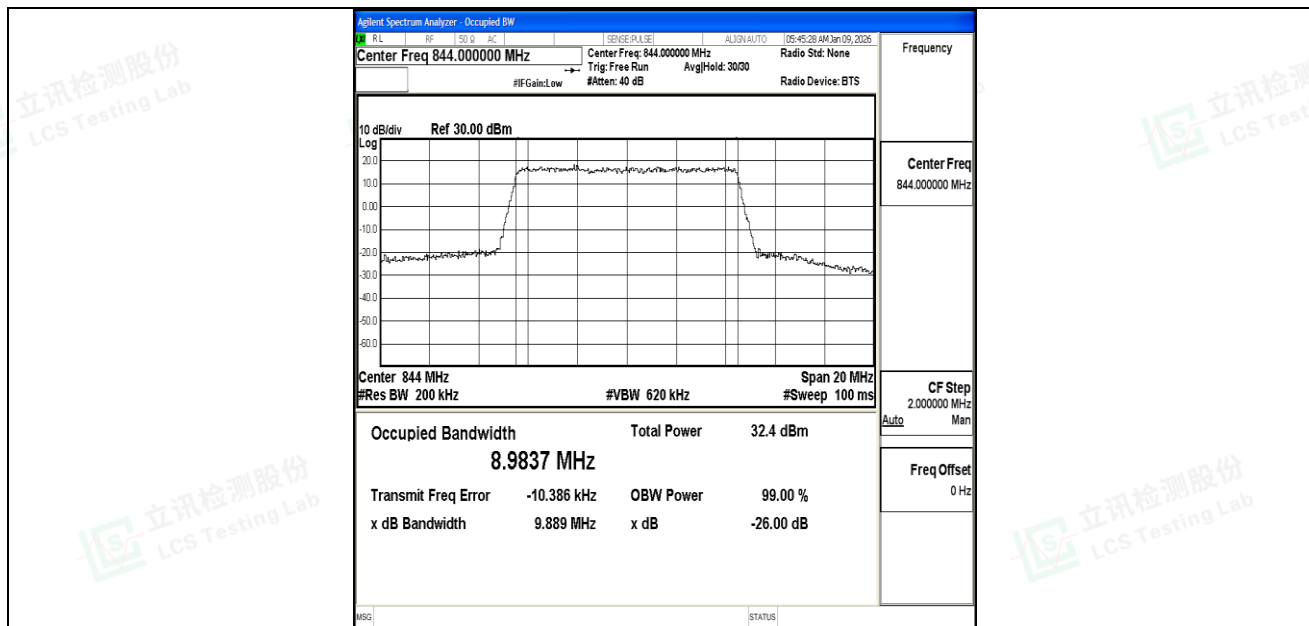


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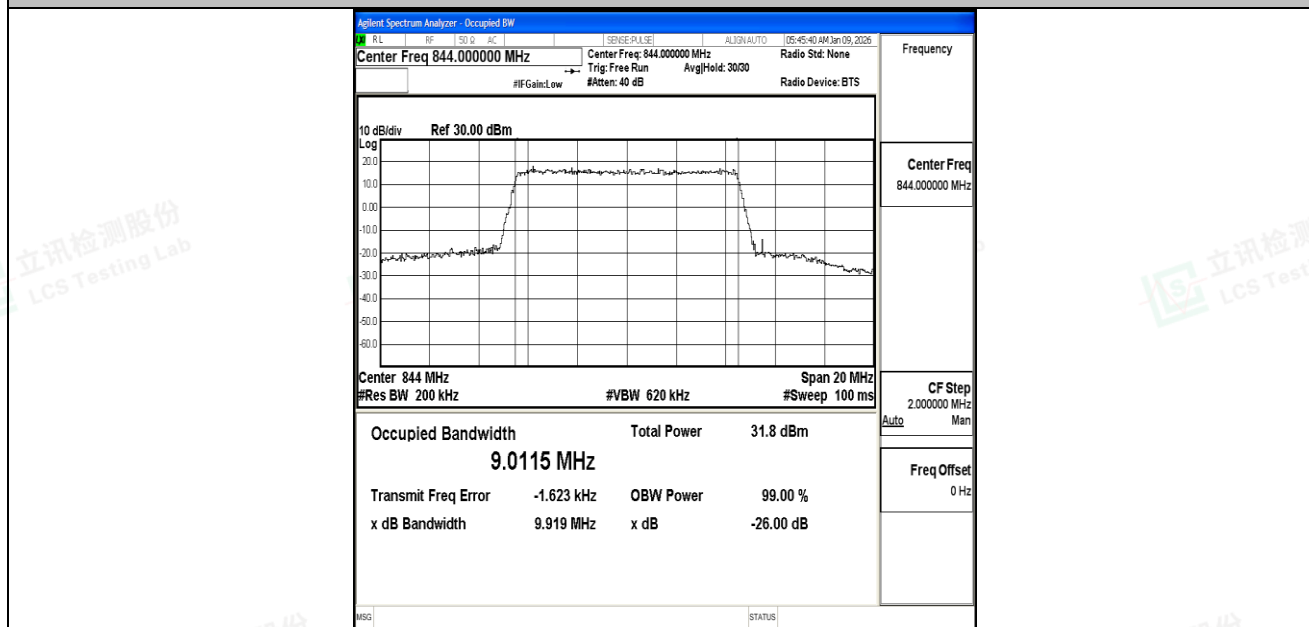
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Band5-10MHz-QPSK-20600-50RB#0-PASS



Band5-10MHz-16QAM-20600-50RB#0-PASS



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