



Appendix D: Test Data for E-UTRA Band 5

Product Name: Wireless Charging & Docking Station
Test Model: M531CDZ

Environmental Conditions

Temperature:	24.4°C
Relative Humidity:	53.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Can Kun
Supervised by:	Paddi Chen





D.1 Conducted Output Power Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	23.59	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	22.84	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	23.53	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	22.82	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	23.81	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	23.24	PASS
Band5	1.4MHz	QPSK	20407	3RB#0	23.54	PASS
Band5	1.4MHz	16QAM	20407	3RB#0	23.36	PASS
Band5	1.4MHz	QPSK	20407	3RB#1	23.52	PASS
Band5	1.4MHz	16QAM	20407	3RB#1	23.35	PASS
Band5	1.4MHz	QPSK	20407	3RB#3	23.58	PASS
Band5	1.4MHz	16QAM	20407	3RB#3	23.27	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	22.79	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	22.30	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	23.42	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	23.30	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	23.52	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	23.28	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	23.59	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	23.33	PASS
Band5	1.4MHz	QPSK	20525	3RB#0	23.51	PASS
Band5	1.4MHz	16QAM	20525	3RB#0	23.11	PASS
Band5	1.4MHz	QPSK	20525	3RB#1	23.51	PASS
Band5	1.4MHz	16QAM	20525	3RB#1	22.74	PASS
Band5	1.4MHz	QPSK	20525	3RB#3	23.48	PASS
Band5	1.4MHz	16QAM	20525	3RB#3	22.79	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	22.53	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	22.15	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	23.22	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	23.36	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	22.97	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	23.11	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	22.79	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	22.71	PASS
Band5	1.4MHz	QPSK	20643	3RB#0	23.29	PASS
Band5	1.4MHz	16QAM	20643	3RB#0	22.56	PASS



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Band5	1.4MHz	QPSK	20643	3RB#1	23.30	PASS
Band5	1.4MHz	16QAM	20643	3RB#1	22.56	PASS
Band5	1.4MHz	QPSK	20643	3RB#3	22.96	PASS
Band5	1.4MHz	16QAM	20643	3RB#3	22.52	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	22.60	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	22.37	PASS
Band5	3MHz	QPSK	20415	1RB#0	23.33	PASS
Band5	3MHz	16QAM	20415	1RB#0	22.91	PASS
Band5	3MHz	QPSK	20415	1RB#8	23.19	PASS
Band5	3MHz	16QAM	20415	1RB#8	22.83	PASS
Band5	3MHz	QPSK	20415	1RB#14	23.30	PASS
Band5	3MHz	16QAM	20415	1RB#14	22.90	PASS
Band5	3MHz	QPSK	20415	8RB#0	22.46	PASS
Band5	3MHz	16QAM	20415	8RB#0	22.10	PASS
Band5	3MHz	QPSK	20415	8RB#4	22.47	PASS
Band5	3MHz	16QAM	20415	8RB#4	22.10	PASS
Band5	3MHz	QPSK	20415	8RB#7	22.48	PASS
Band5	3MHz	16QAM	20415	8RB#7	22.14	PASS
Band5	3MHz	QPSK	20415	15RB#0	22.38	PASS
Band5	3MHz	16QAM	20415	15RB#0	21.88	PASS
Band5	3MHz	QPSK	20525	1RB#0	23.29	PASS
Band5	3MHz	16QAM	20525	1RB#0	22.18	PASS
Band5	3MHz	QPSK	20525	1RB#8	23.41	PASS
Band5	3MHz	16QAM	20525	1RB#8	22.23	PASS
Band5	3MHz	QPSK	20525	1RB#14	23.26	PASS
Band5	3MHz	16QAM	20525	1RB#14	22.23	PASS
Band5	3MHz	QPSK	20525	8RB#0	22.37	PASS
Band5	3MHz	16QAM	20525	8RB#0	22.12	PASS
Band5	3MHz	QPSK	20525	8RB#4	22.39	PASS
Band5	3MHz	16QAM	20525	8RB#4	21.97	PASS
Band5	3MHz	QPSK	20525	8RB#7	22.50	PASS
Band5	3MHz	16QAM	20525	8RB#7	22.10	PASS
Band5	3MHz	QPSK	20525	15RB#0	22.34	PASS
Band5	3MHz	16QAM	20525	15RB#0	21.75	PASS
Band5	3MHz	QPSK	20635	1RB#0	23.32	PASS
Band5	3MHz	16QAM	20635	1RB#0	23.70	PASS
Band5	3MHz	QPSK	20635	1RB#8	23.06	PASS
Band5	3MHz	16QAM	20635	1RB#8	23.56	PASS
Band5	3MHz	QPSK	20635	1RB#14	22.66	PASS
Band5	3MHz	16QAM	20635	1RB#14	22.61	PASS
Band5	3MHz	QPSK	20635	8RB#0	22.53	PASS



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Band5	3MHz	16QAM	20635	8RB#0	22.15	PASS
Band5	3MHz	QPSK	20635	8RB#4	22.45	PASS
Band5	3MHz	16QAM	20635	8RB#4	22.05	PASS
Band5	3MHz	QPSK	20635	8RB#7	22.42	PASS
Band5	3MHz	16QAM	20635	8RB#7	22.00	PASS
Band5	3MHz	QPSK	20635	15RB#0	22.41	PASS
Band5	3MHz	16QAM	20635	15RB#0	21.94	PASS
Band5	5MHz	QPSK	20425	1RB#0	23.60	PASS
Band5	5MHz	16QAM	20425	1RB#0	22.36	PASS
Band5	5MHz	QPSK	20425	1RB#12	23.53	PASS
Band5	5MHz	16QAM	20425	1RB#12	22.41	PASS
Band5	5MHz	QPSK	20425	1RB#24	23.68	PASS
Band5	5MHz	16QAM	20425	1RB#24	22.49	PASS
Band5	5MHz	QPSK	20425	12RB#0	22.61	PASS
Band5	5MHz	16QAM	20425	12RB#0	22.17	PASS
Band5	5MHz	QPSK	20425	12RB#6	22.61	PASS
Band5	5MHz	16QAM	20425	12RB#6	22.16	PASS
Band5	5MHz	QPSK	20425	12RB#13	22.61	PASS
Band5	5MHz	16QAM	20425	12RB#13	22.08	PASS
Band5	5MHz	QPSK	20425	25RB#0	22.55	PASS
Band5	5MHz	16QAM	20425	25RB#0	22.18	PASS
Band5	5MHz	QPSK	20525	1RB#0	23.26	PASS
Band5	5MHz	16QAM	20525	1RB#0	23.39	PASS
Band5	5MHz	QPSK	20525	1RB#12	23.33	PASS
Band5	5MHz	16QAM	20525	1RB#12	23.55	PASS
Band5	5MHz	QPSK	20525	1RB#24	23.31	PASS
Band5	5MHz	16QAM	20525	1RB#24	23.06	PASS
Band5	5MHz	QPSK	20525	12RB#0	22.68	PASS
Band5	5MHz	16QAM	20525	12RB#0	22.05	PASS
Band5	5MHz	QPSK	20525	12RB#6	22.69	PASS
Band5	5MHz	16QAM	20525	12RB#6	22.06	PASS
Band5	5MHz	QPSK	20525	12RB#13	22.76	PASS
Band5	5MHz	16QAM	20525	12RB#13	22.05	PASS
Band5	5MHz	QPSK	20525	25RB#0	22.42	PASS
Band5	5MHz	16QAM	20525	25RB#0	22.11	PASS
Band5	5MHz	QPSK	20625	1RB#0	23.46	PASS
Band5	5MHz	16QAM	20625	1RB#0	22.93	PASS
Band5	5MHz	QPSK	20625	1RB#12	23.45	PASS
Band5	5MHz	16QAM	20625	1RB#12	22.98	PASS
Band5	5MHz	QPSK	20625	1RB#24	23.00	PASS
Band5	5MHz	16QAM	20625	1RB#24	22.50	PASS



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Band5	5MHz	QPSK	20625	12RB#0	22.76	PASS
Band5	5MHz	16QAM	20625	12RB#0	22.05	PASS
Band5	5MHz	QPSK	20625	12RB#6	22.57	PASS
Band5	5MHz	16QAM	20625	12RB#6	22.20	PASS
Band5	5MHz	QPSK	20625	12RB#13	22.59	PASS
Band5	5MHz	16QAM	20625	12RB#13	22.12	PASS
Band5	5MHz	QPSK	20625	25RB#0	22.60	PASS
Band5	5MHz	16QAM	20625	25RB#0	22.28	PASS
Band5	10MHz	QPSK	20450	1RB#0	23.48	PASS
Band5	10MHz	16QAM	20450	1RB#0	23.09	PASS
Band5	10MHz	QPSK	20450	1RB#24	23.39	PASS
Band5	10MHz	16QAM	20450	1RB#24	23.11	PASS
Band5	10MHz	QPSK	20450	1RB#49	23.41	PASS
Band5	10MHz	16QAM	20450	1RB#49	23.20	PASS
Band5	10MHz	QPSK	20450	25RB#0	22.50	PASS
Band5	10MHz	16QAM	20450	25RB#0	21.95	PASS
Band5	10MHz	QPSK	20450	25RB#12	22.45	PASS
Band5	10MHz	16QAM	20450	25RB#12	21.96	PASS
Band5	10MHz	QPSK	20450	25RB#25	22.63	PASS
Band5	10MHz	16QAM	20450	25RB#25	21.92	PASS
Band5	10MHz	QPSK	20450	50RB#0	22.49	PASS
Band5	10MHz	16QAM	20450	50RB#0	22.09	PASS
Band5	10MHz	QPSK	20525	1RB#0	23.47	PASS
Band5	10MHz	16QAM	20525	1RB#0	23.12	PASS
Band5	10MHz	QPSK	20525	1RB#24	23.47	PASS
Band5	10MHz	16QAM	20525	1RB#24	23.19	PASS
Band5	10MHz	QPSK	20525	1RB#49	23.59	PASS
Band5	10MHz	16QAM	20525	1RB#49	22.42	PASS
Band5	10MHz	QPSK	20525	25RB#0	22.54	PASS
Band5	10MHz	16QAM	20525	25RB#0	22.15	PASS
Band5	10MHz	QPSK	20525	25RB#12	22.55	PASS
Band5	10MHz	16QAM	20525	25RB#12	22.19	PASS
Band5	10MHz	QPSK	20525	25RB#25	22.57	PASS
Band5	10MHz	16QAM	20525	25RB#25	22.14	PASS
Band5	10MHz	QPSK	20525	50RB#0	22.54	PASS
Band5	10MHz	16QAM	20525	50RB#0	22.13	PASS
Band5	10MHz	QPSK	20600	1RB#0	23.41	PASS
Band5	10MHz	16QAM	20600	1RB#0	23.63	PASS
Band5	10MHz	QPSK	20600	1RB#24	23.47	PASS
Band5	10MHz	16QAM	20600	1RB#24	23.58	PASS
Band5	10MHz	QPSK	20600	1RB#49	23.17	PASS



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Band5	10MHz	16QAM	20600	1RB#49	23.12	PASS
Band5	10MHz	QPSK	20600	25RB#0	22.45	PASS
Band5	10MHz	16QAM	20600	25RB#0	22.14	PASS
Band5	10MHz	QPSK	20600	25RB#12	22.55	PASS
Band5	10MHz	16QAM	20600	25RB#12	22.22	PASS
Band5	10MHz	QPSK	20600	25RB#25	22.61	PASS
Band5	10MHz	16QAM	20600	25RB#25	22.28	PASS
Band5	10MHz	QPSK	20600	50RB#0	22.66	PASS
Band5	10MHz	16QAM	20600	50RB#0	22.10	PASS



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D.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	4.77	13	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	5.04	13	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	5.48	13	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	6.06	13	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	4.65	13	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	5.47	13	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	5.37	13	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	5.91	13	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	3.98	13	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	3.59	13	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	4.50	13	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	5.13	13	PASS
Band5	3MHz	QPSK	20415	1RB#0	4.97	13	PASS
Band5	3MHz	16QAM	20415	1RB#0	5.42	13	PASS
Band5	3MHz	QPSK	20415	15RB#0	5.58	13	PASS
Band5	3MHz	16QAM	20415	15RB#0	6.25	13	PASS
Band5	3MHz	QPSK	20525	1RB#0	4.69	13	PASS
Band5	3MHz	16QAM	20525	1RB#0	5.05	13	PASS
Band5	3MHz	QPSK	20525	15RB#0	5.38	13	PASS
Band5	3MHz	16QAM	20525	15RB#0	5.99	13	PASS
Band5	3MHz	QPSK	20635	1RB#0	4.10	13	PASS
Band5	3MHz	16QAM	20635	1RB#0	4.06	13	PASS
Band5	3MHz	QPSK	20635	15RB#0	4.84	13	PASS
Band5	3MHz	16QAM	20635	15RB#0	5.43	13	PASS
Band5	5MHz	QPSK	20425	1RB#0	5.01	13	PASS
Band5	5MHz	16QAM	20425	1RB#0	5.61	13	PASS
Band5	5MHz	QPSK	20425	25RB#0	5.60	13	PASS
Band5	5MHz	16QAM	20425	25RB#0	6.20	13	PASS
Band5	5MHz	QPSK	20525	1RB#0	4.82	13	PASS
Band5	5MHz	16QAM	20525	1RB#0	5.23	13	PASS
Band5	5MHz	QPSK	20525	25RB#0	5.50	13	PASS
Band5	5MHz	16QAM	20525	25RB#0	6.06	13	PASS
Band5	5MHz	QPSK	20625	1RB#0	4.04	13	PASS
Band5	5MHz	16QAM	20625	1RB#0	4.40	13	PASS
Band5	5MHz	QPSK	20625	25RB#0	5.29	13	PASS
Band5	5MHz	16QAM	20625	25RB#0	5.83	13	PASS
Band5	10MHz	QPSK	20450	1RB#0	4.98	13	PASS



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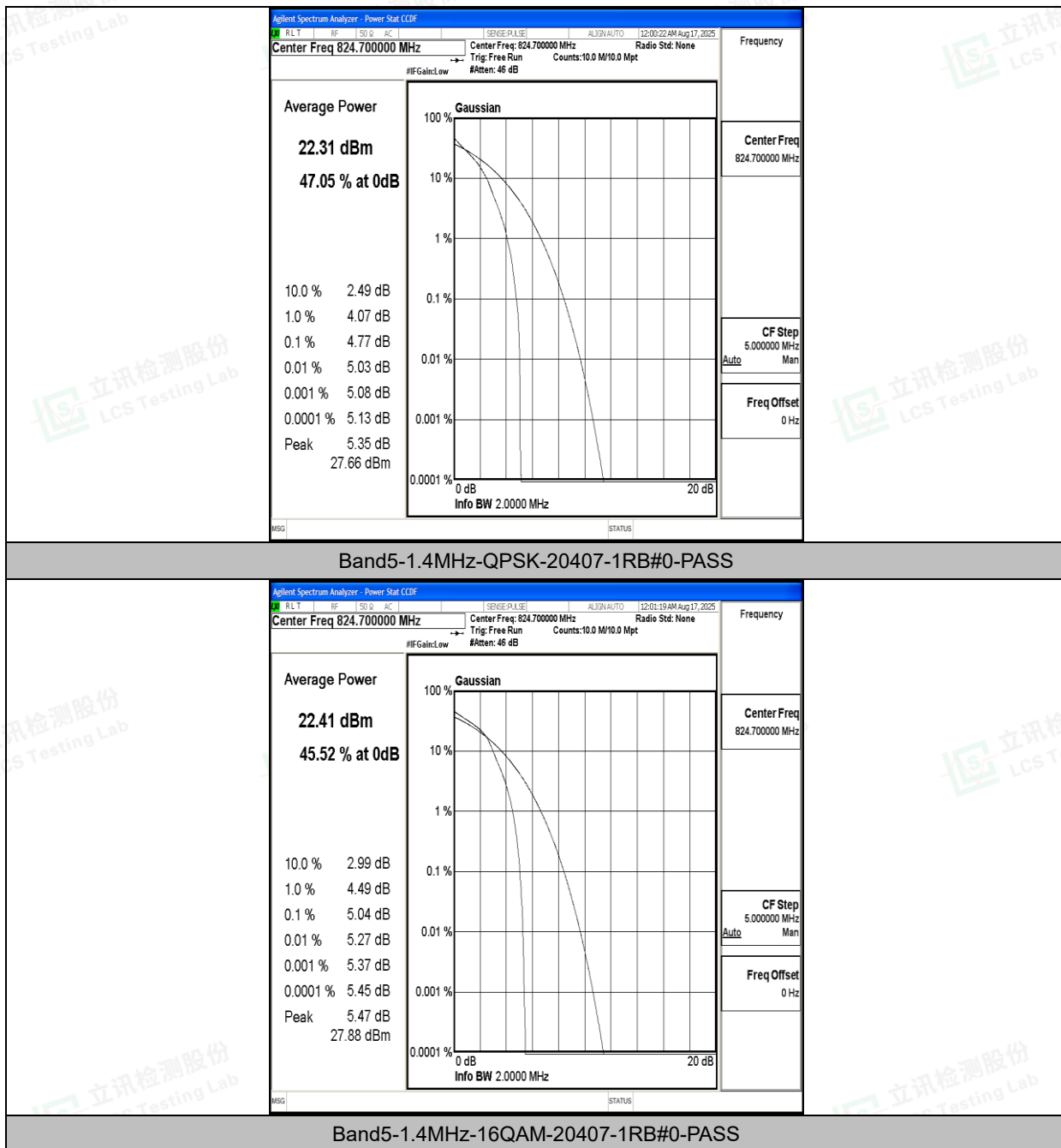


Band5	10MHz	16QAM	20450	1RB#0	5.46	13	PASS
Band5	10MHz	QPSK	20450	50RB#0	5.58	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	6.20	13	PASS
Band5	10MHz	QPSK	20525	1RB#0	4.78	13	PASS
Band5	10MHz	16QAM	20525	1RB#0	5.65	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.49	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	6.14	13	PASS
Band5	10MHz	QPSK	20600	1RB#0	4.63	13	PASS
Band5	10MHz	16QAM	20600	1RB#0	5.17	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	5.28	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	5.92	13	PASS





Test Graphs

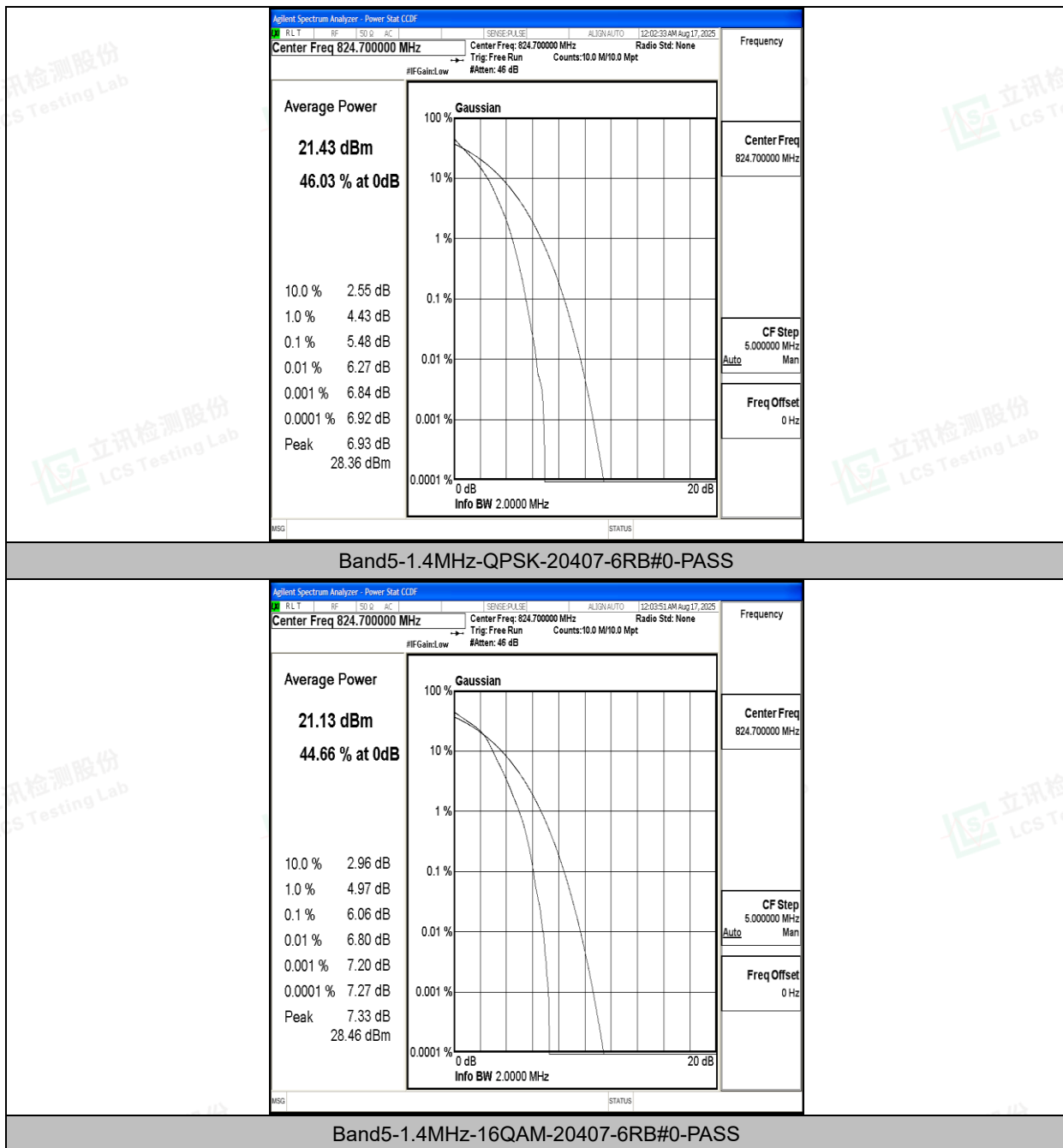


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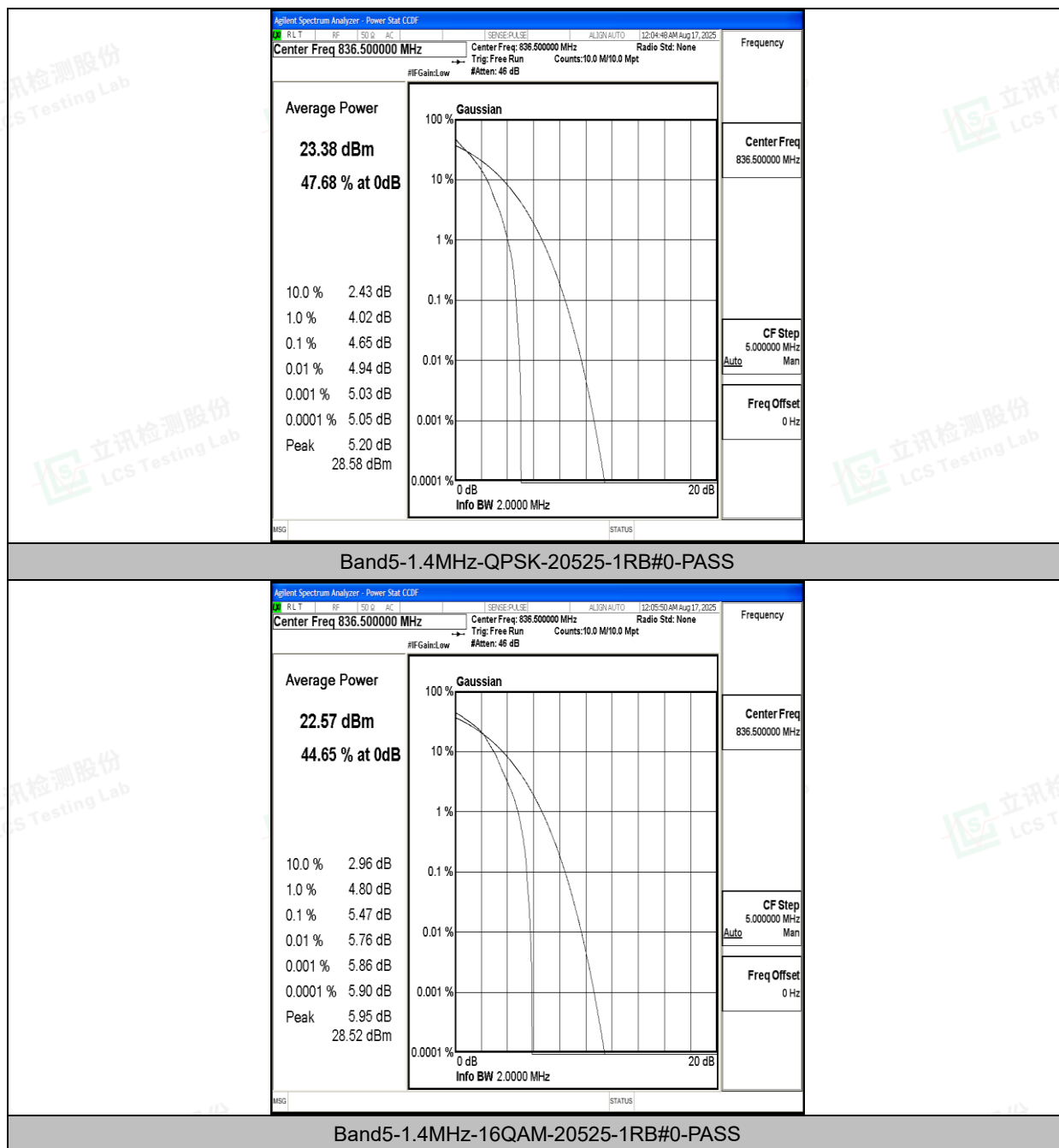


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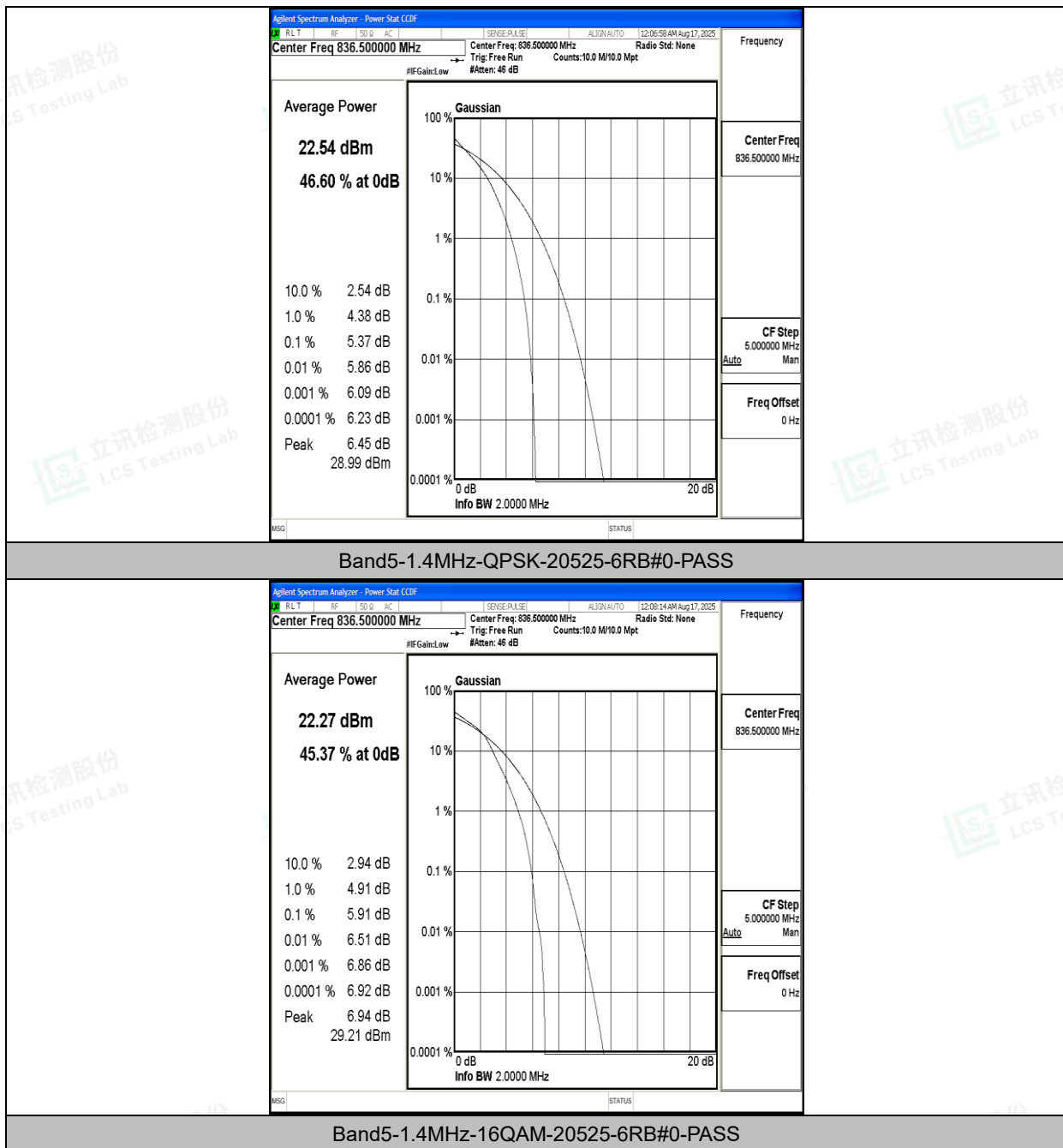


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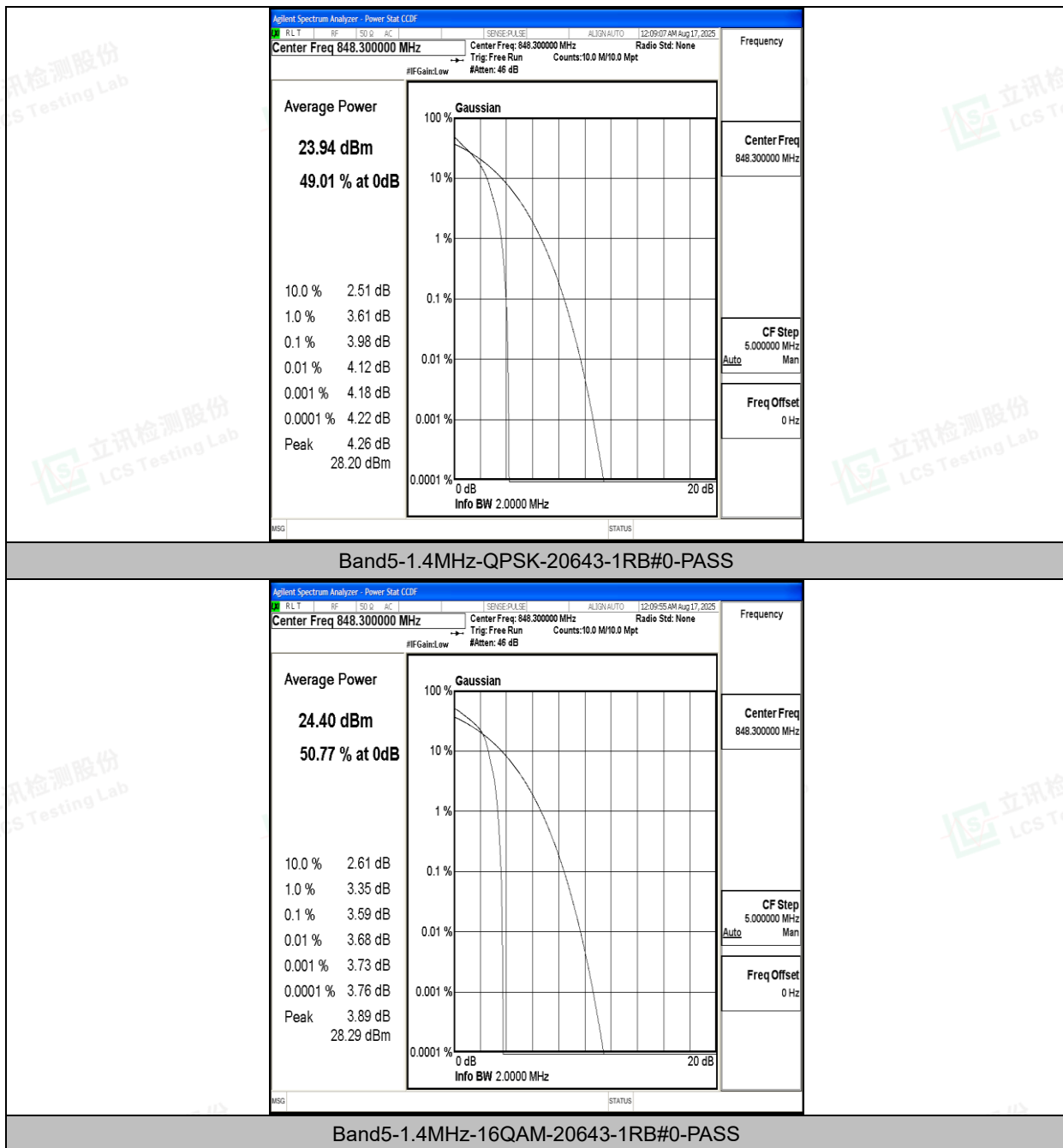


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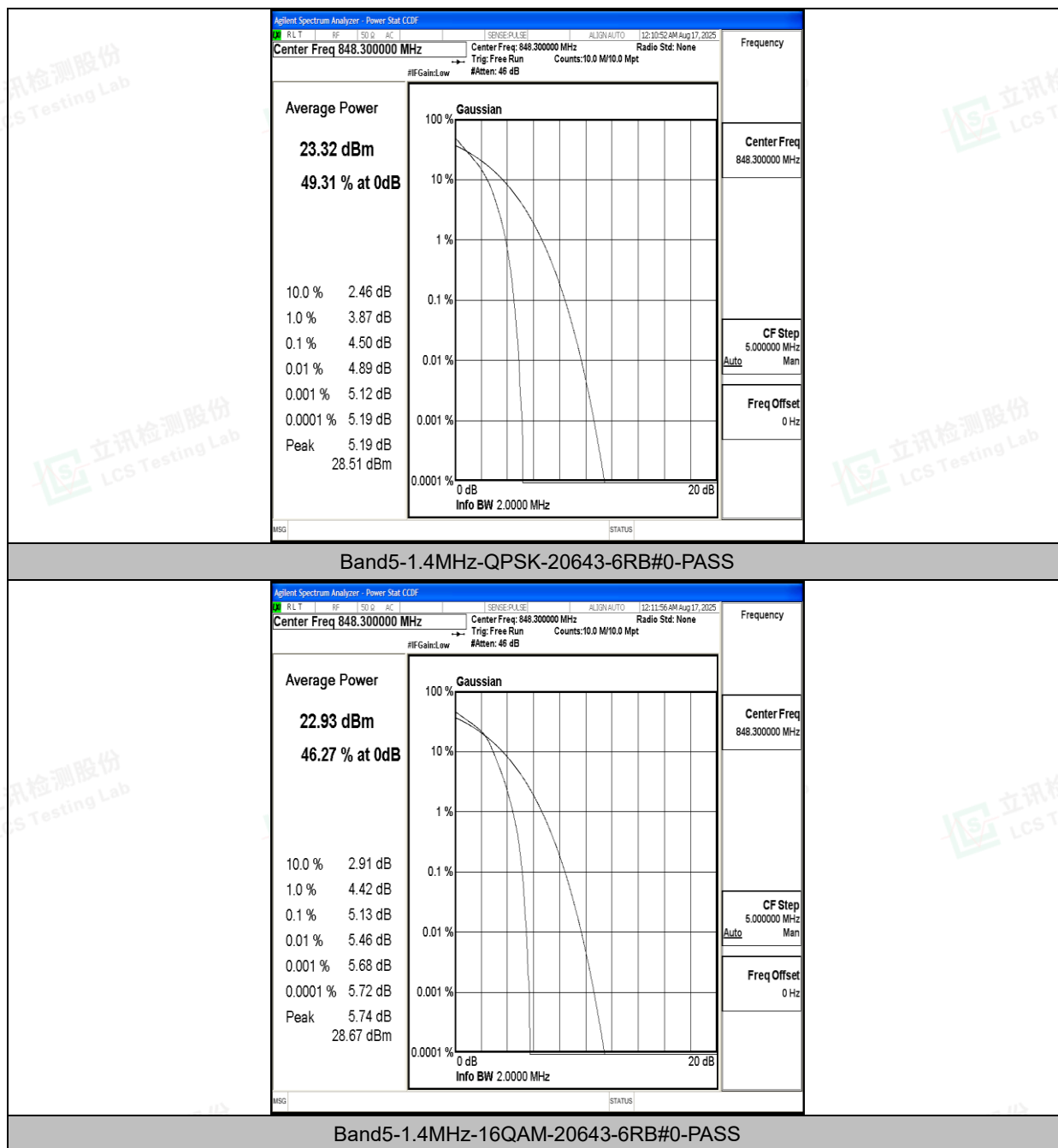


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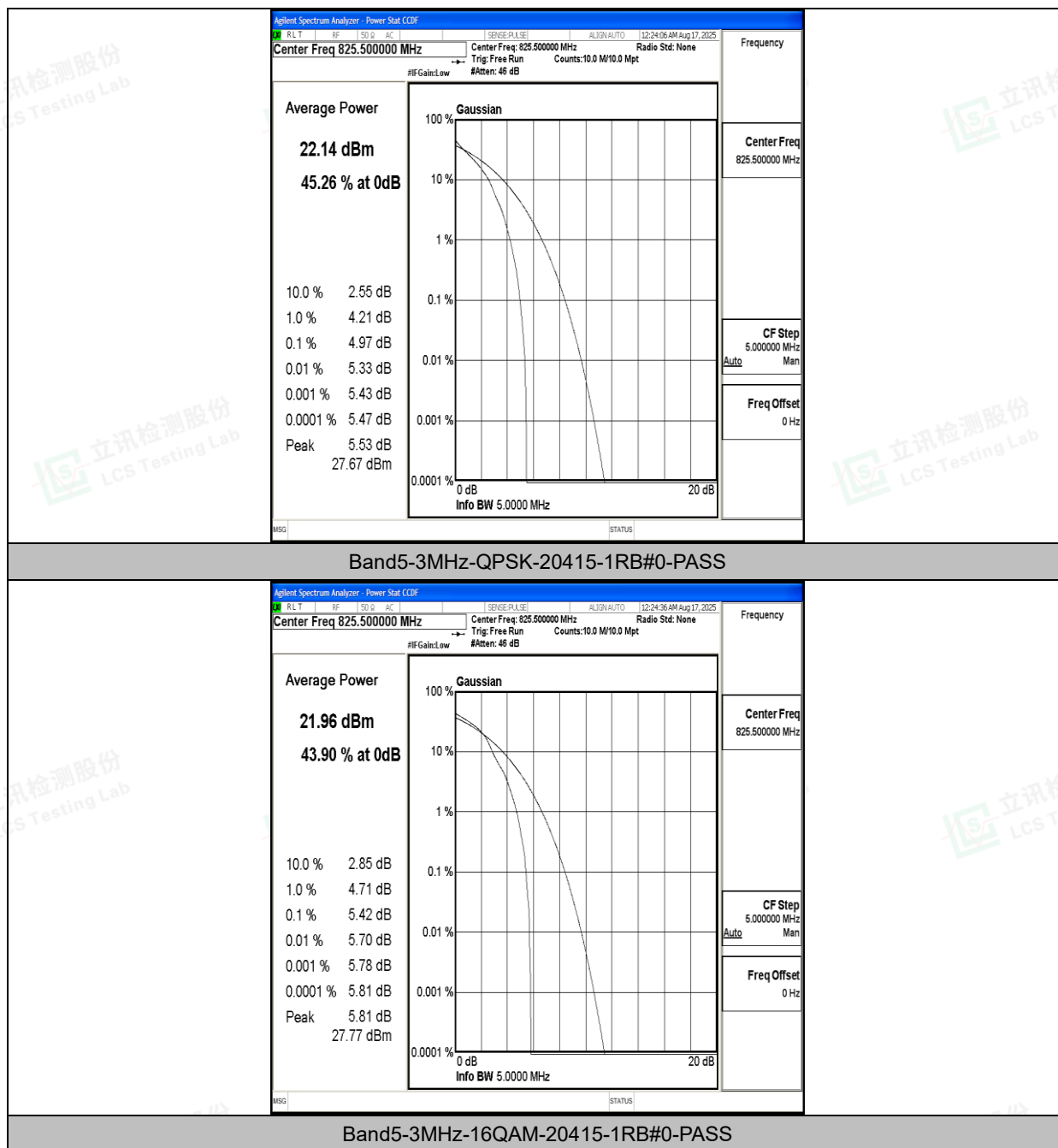


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Scan code to check authenticity

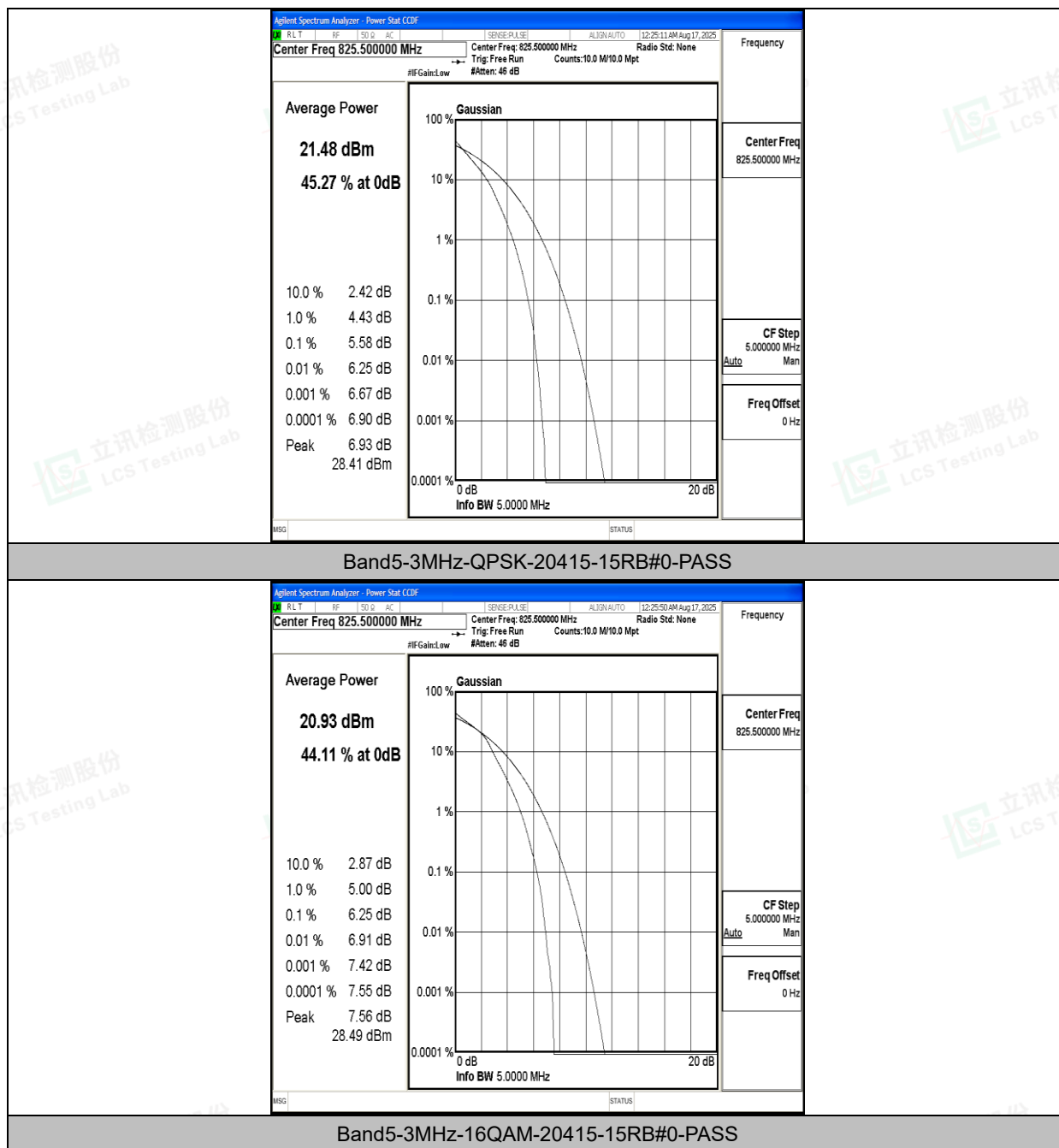


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Scan code to check authenticity

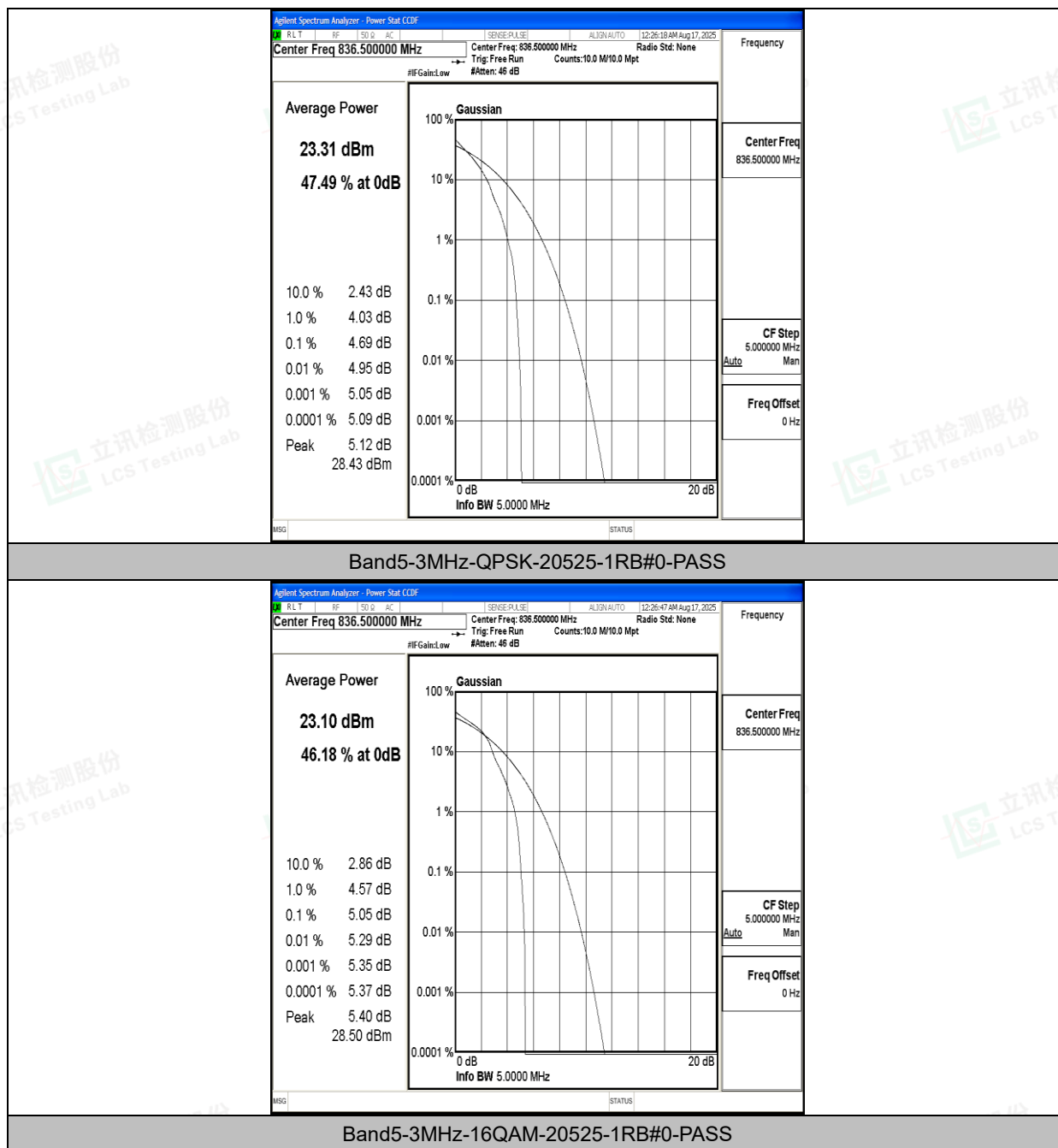


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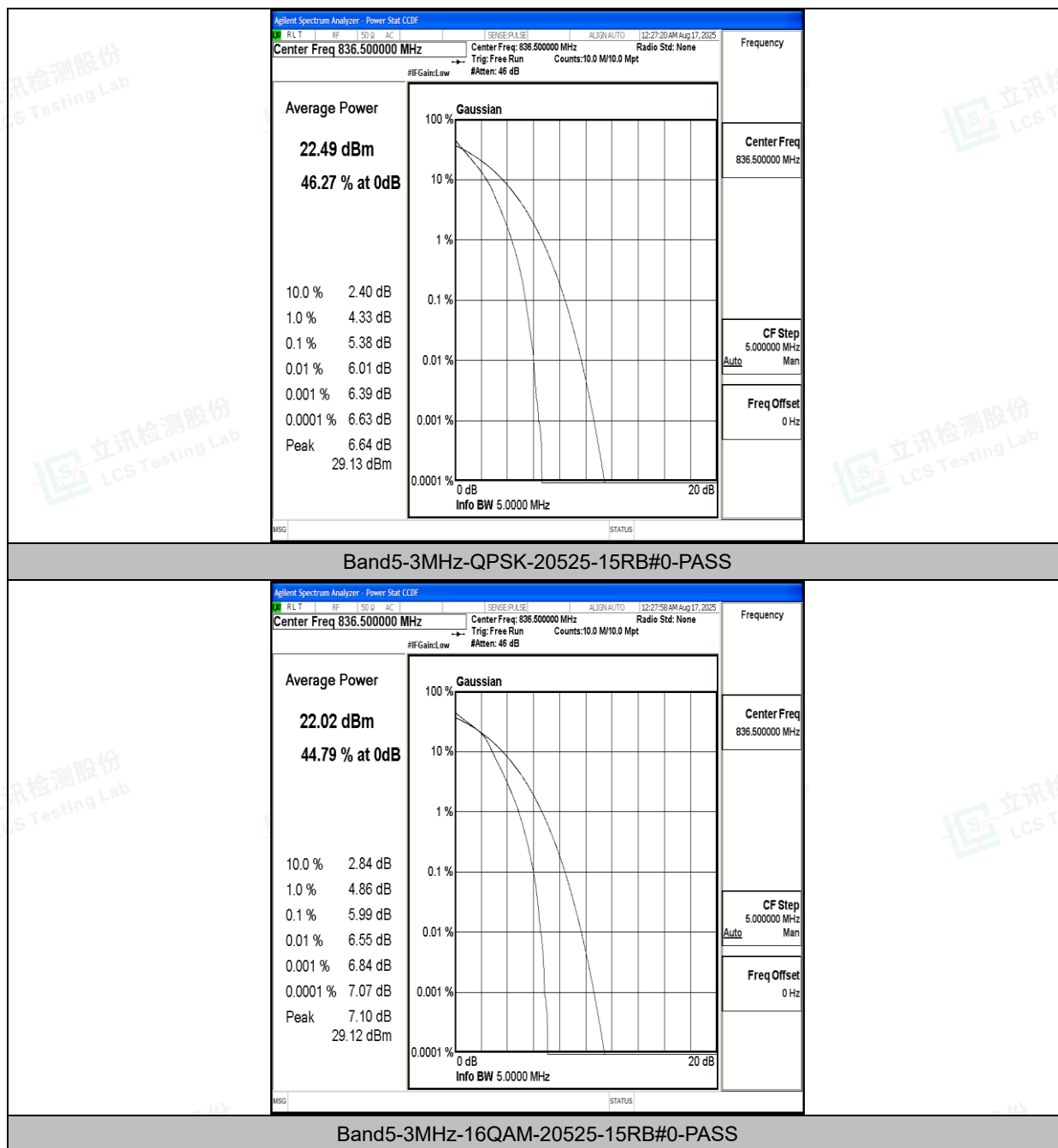


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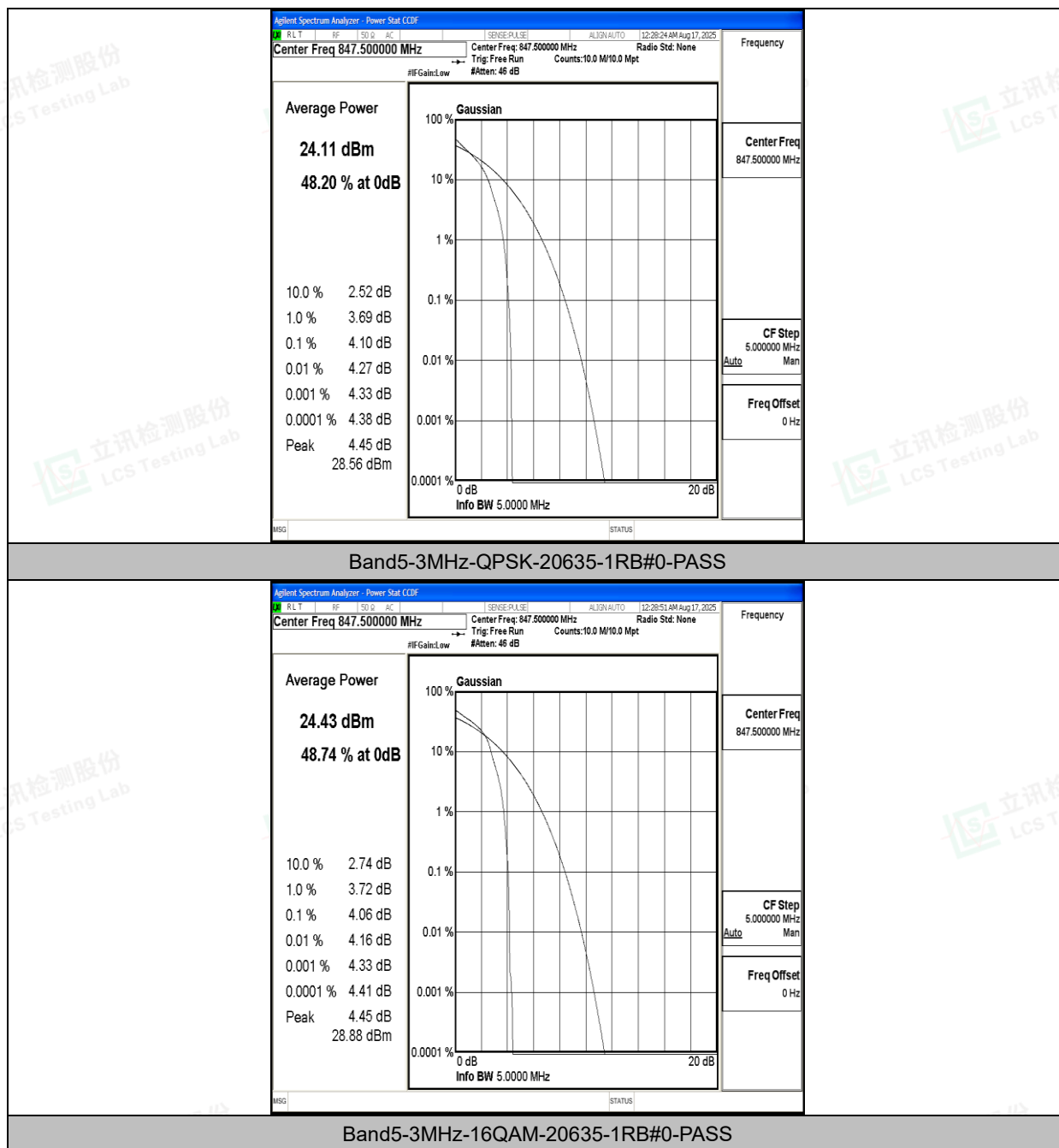


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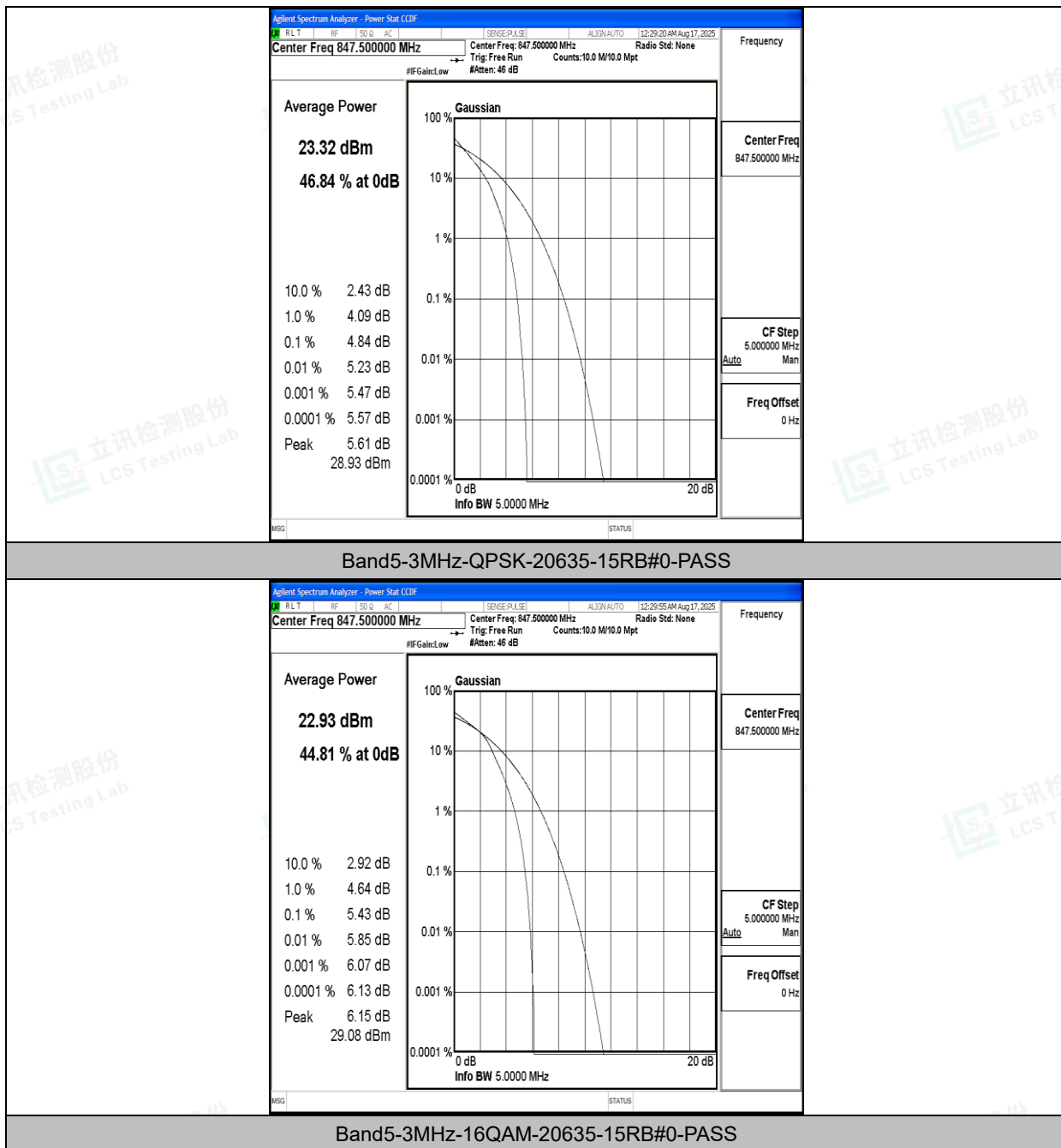


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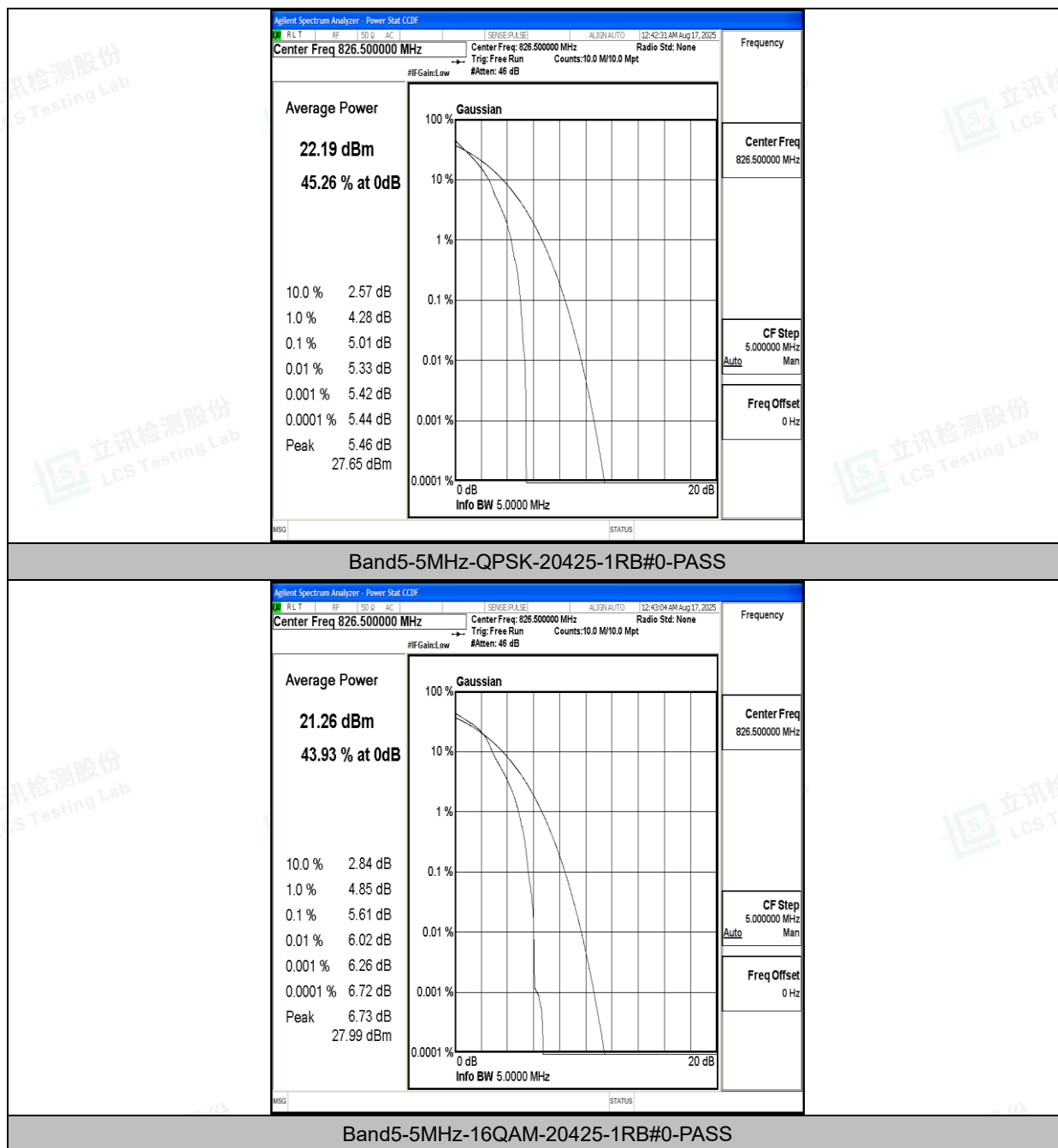


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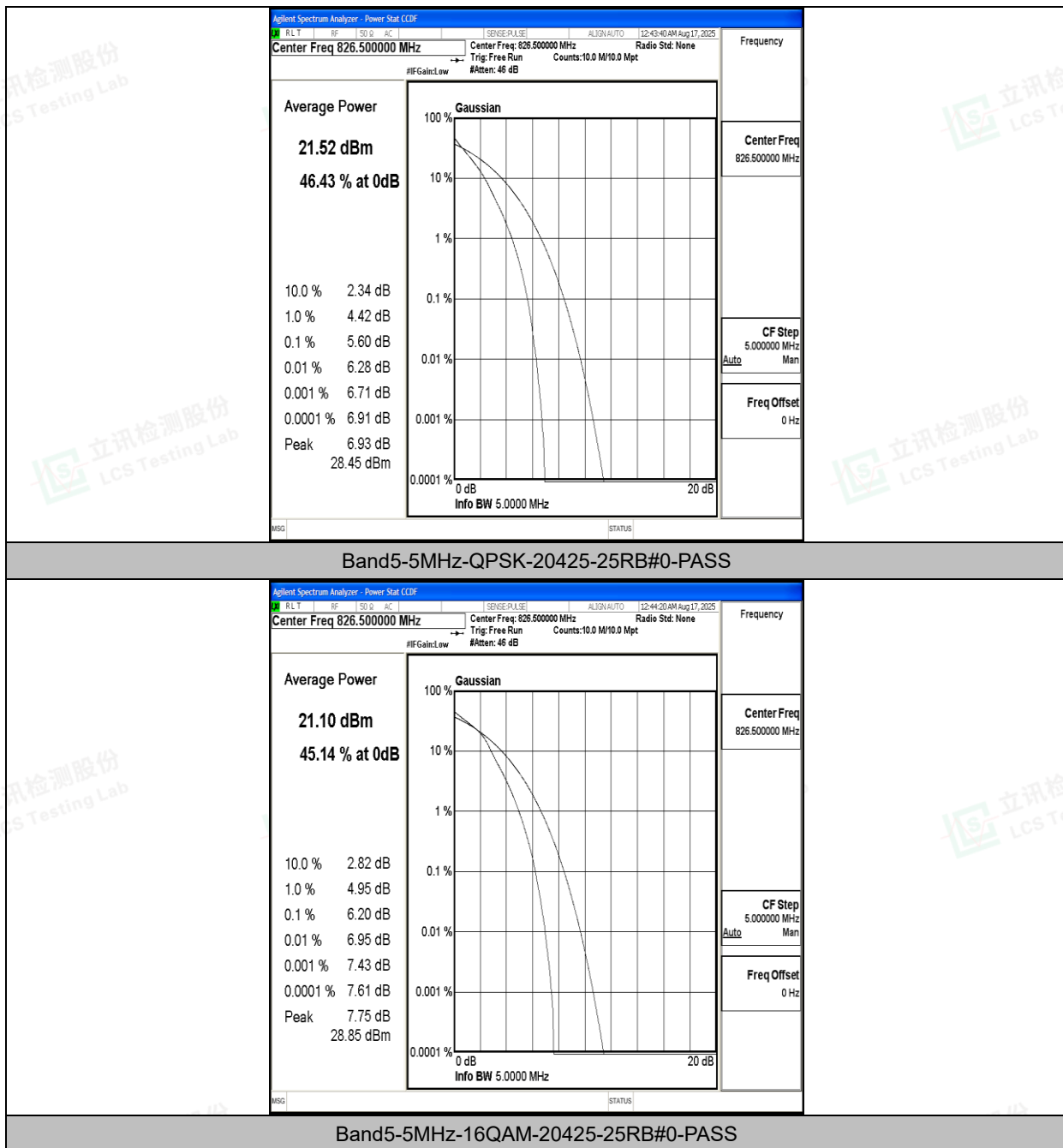


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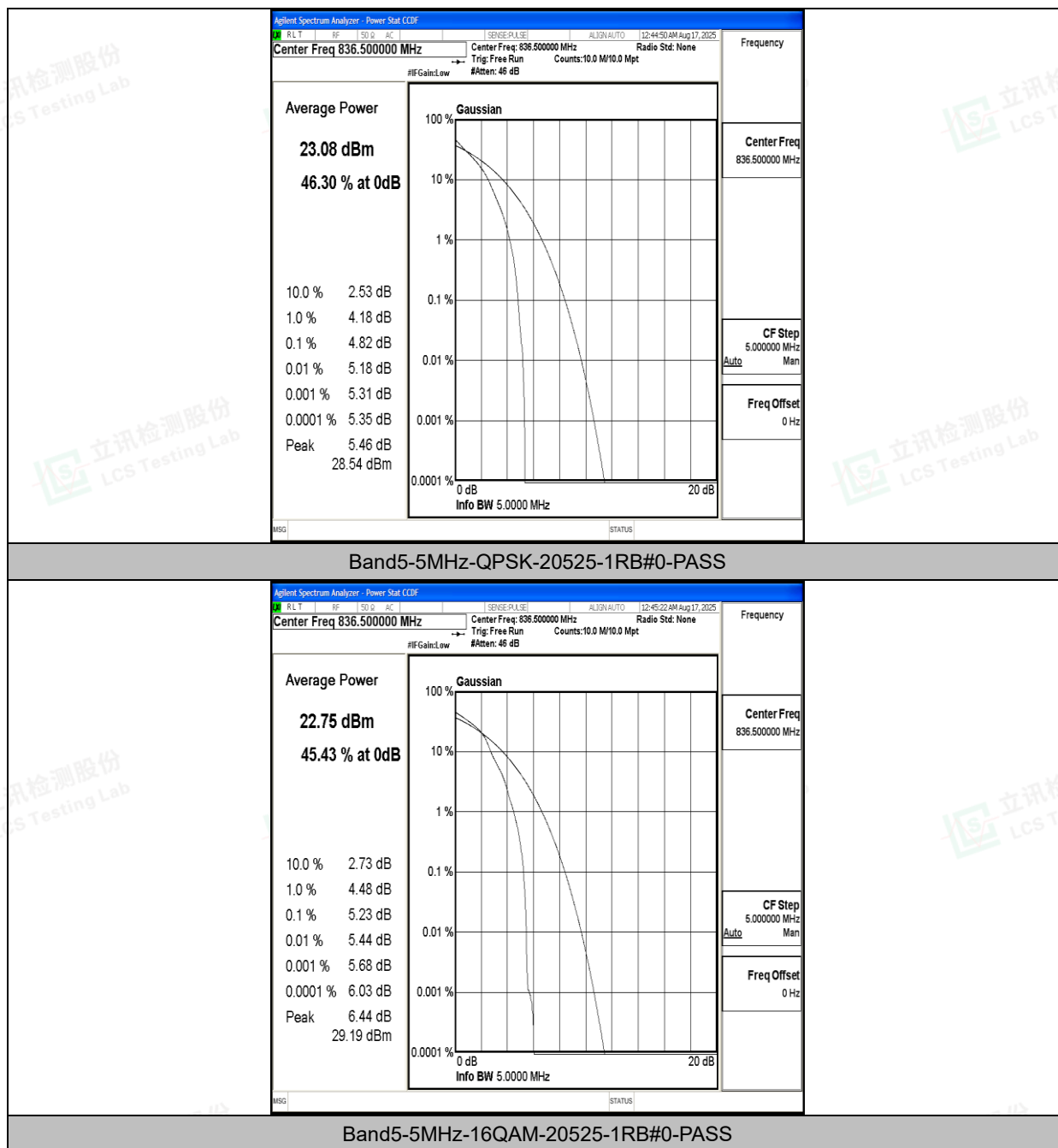


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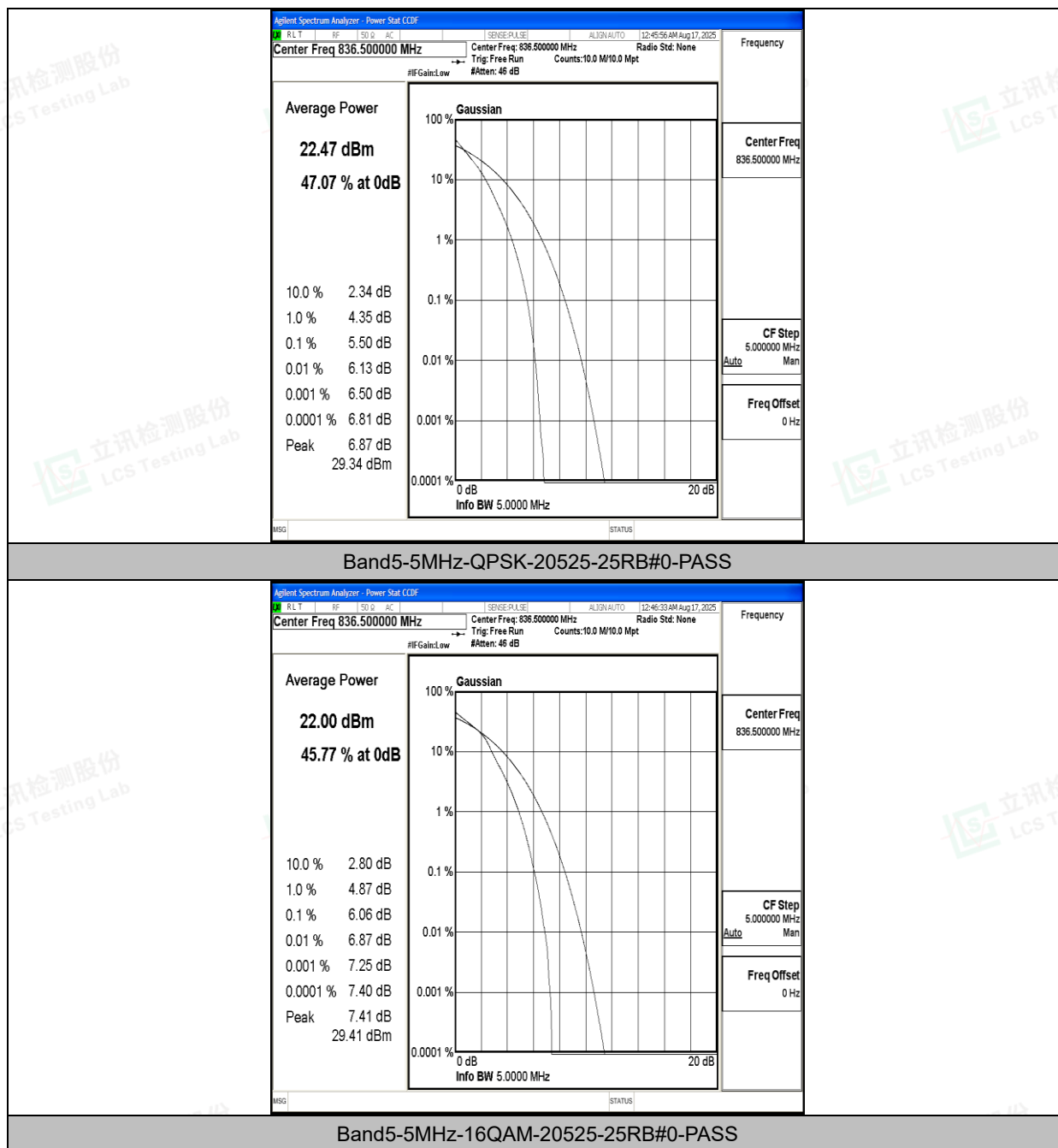


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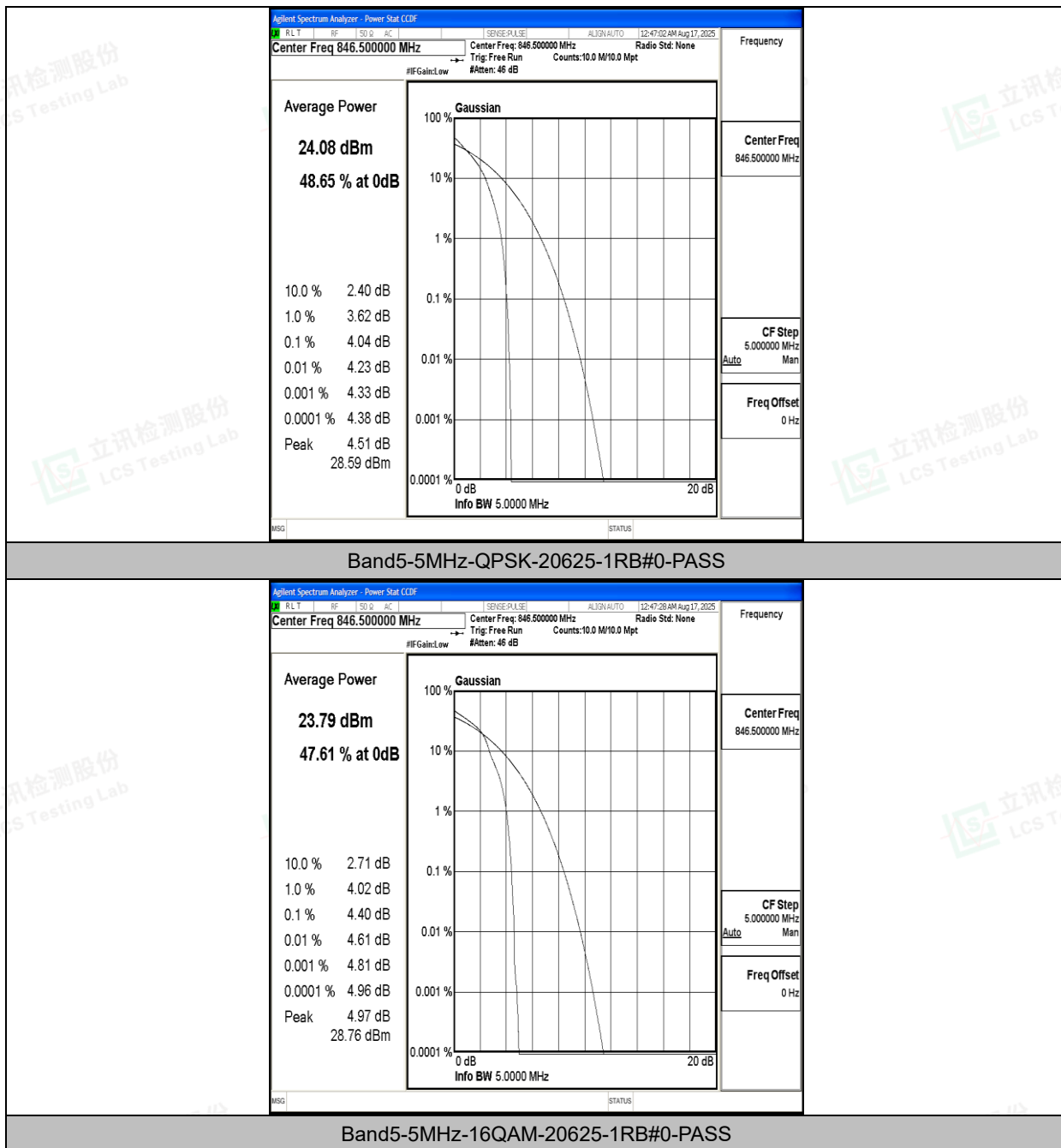


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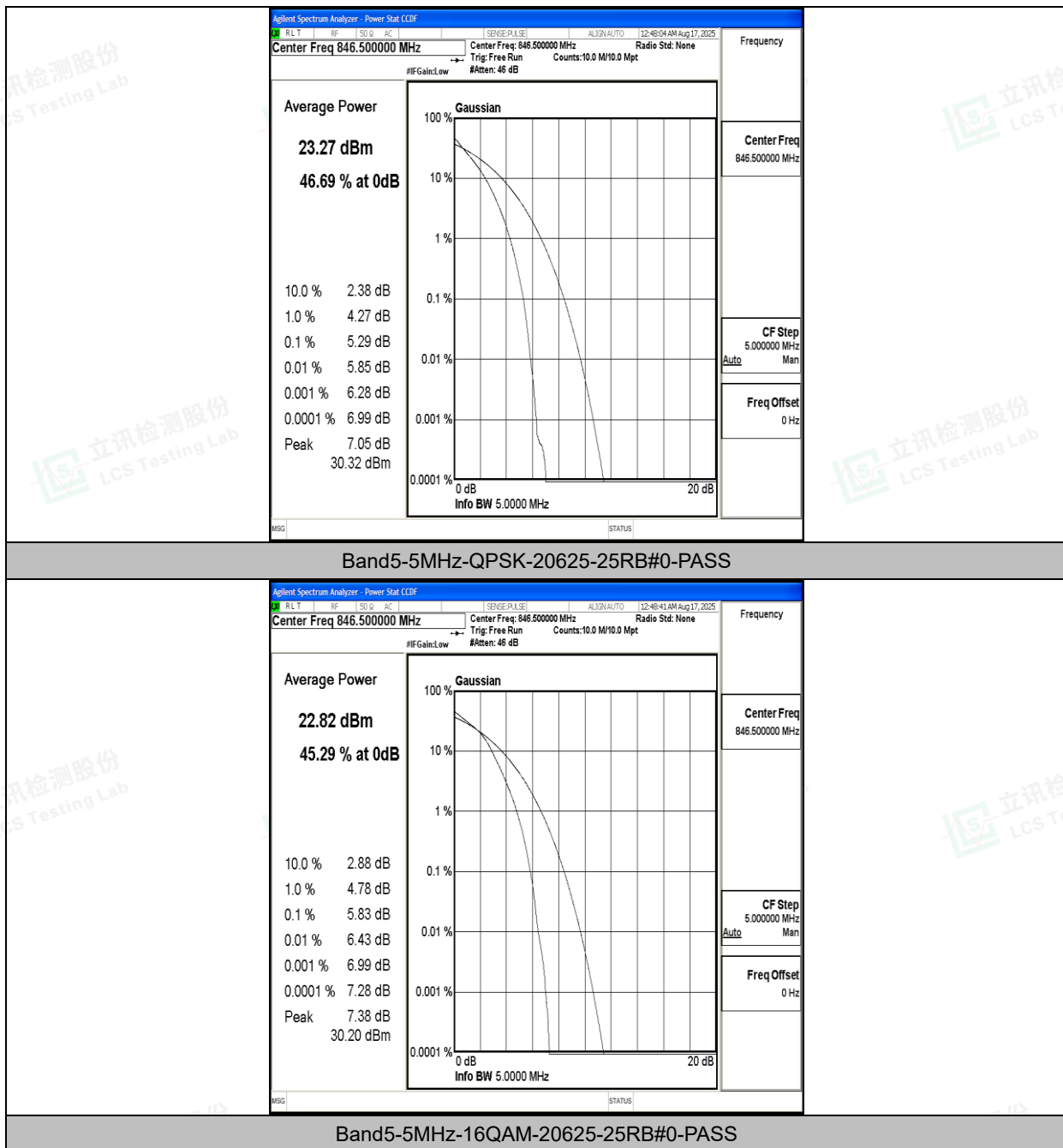


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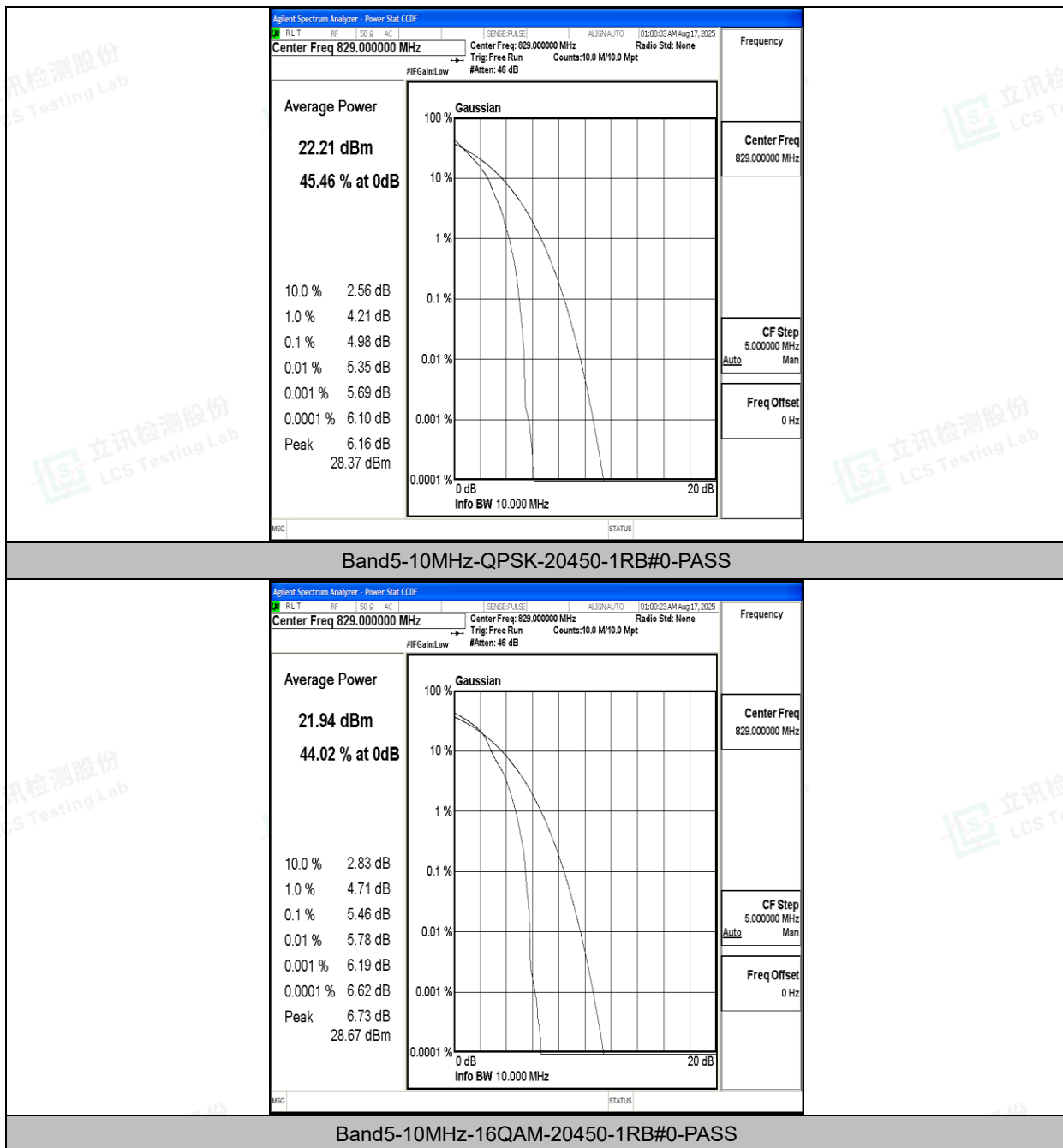


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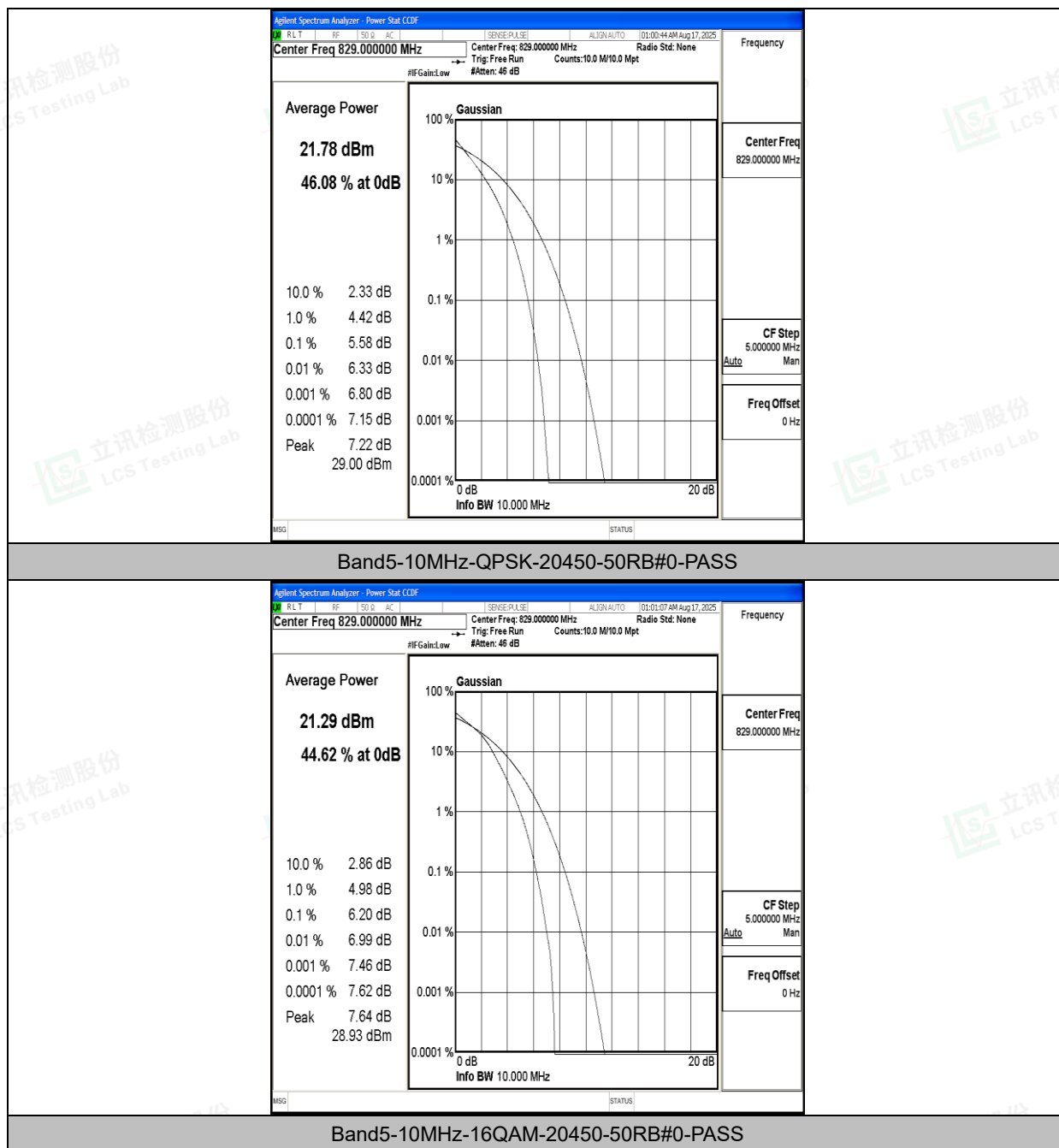


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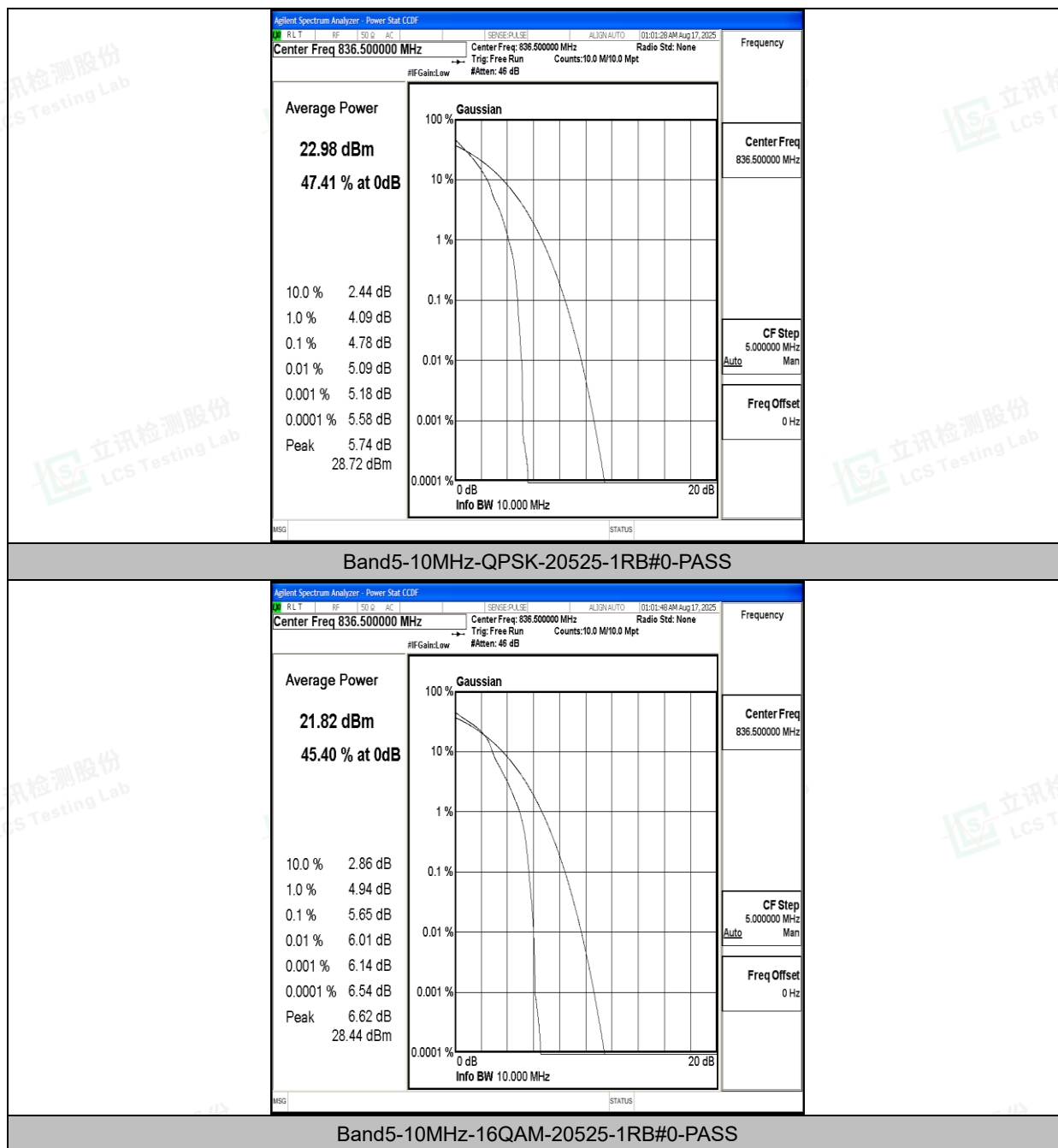


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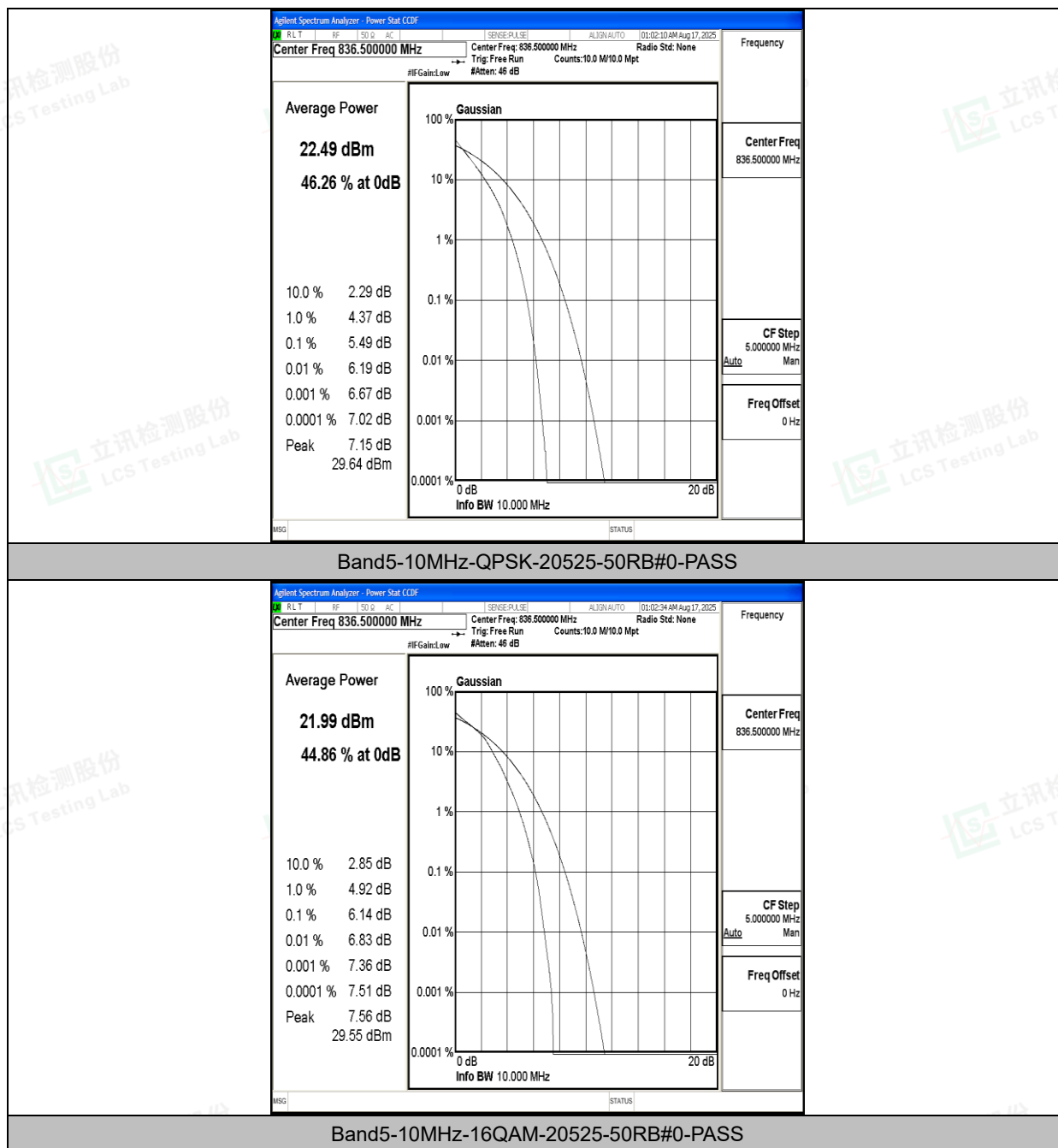


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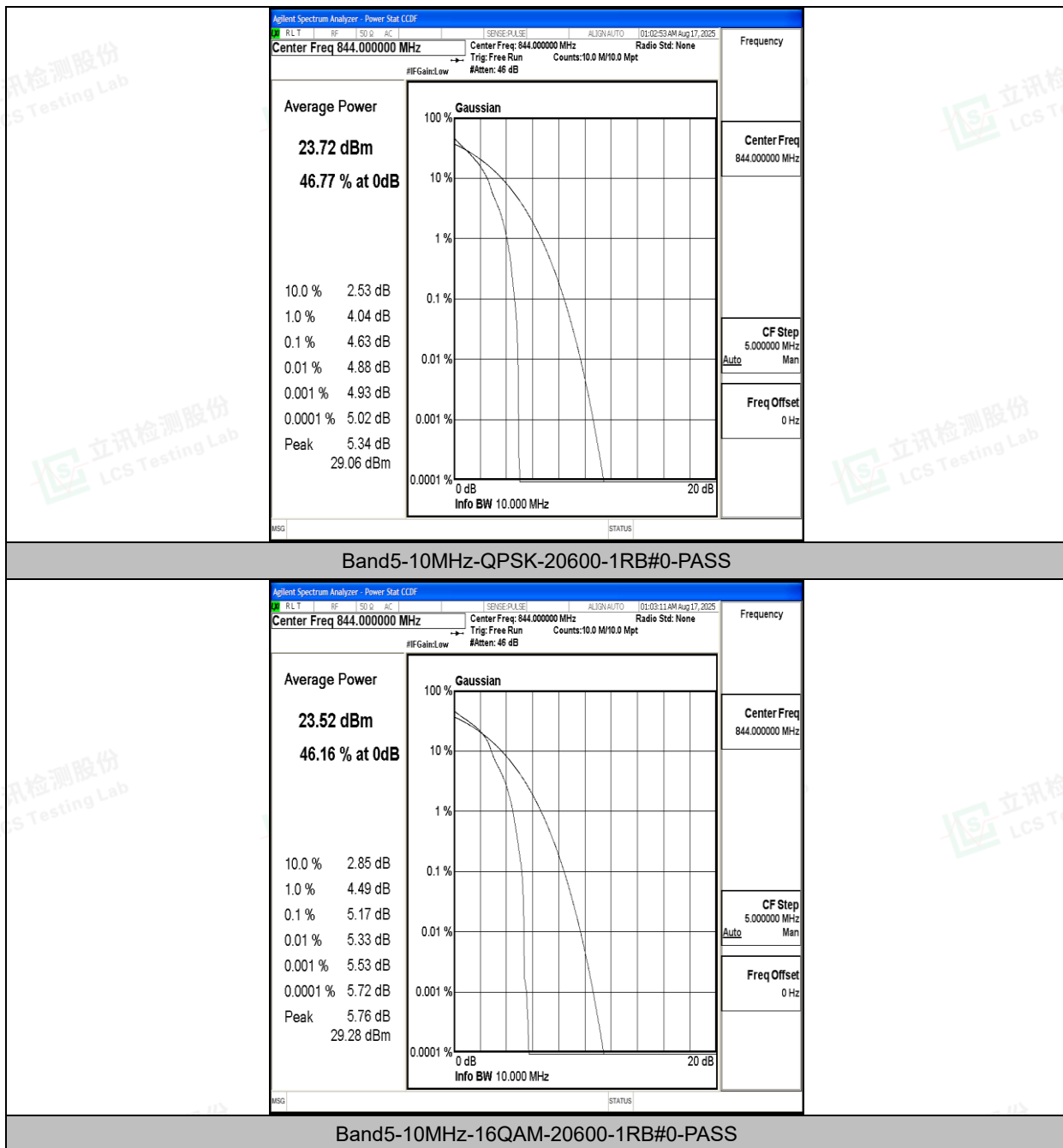


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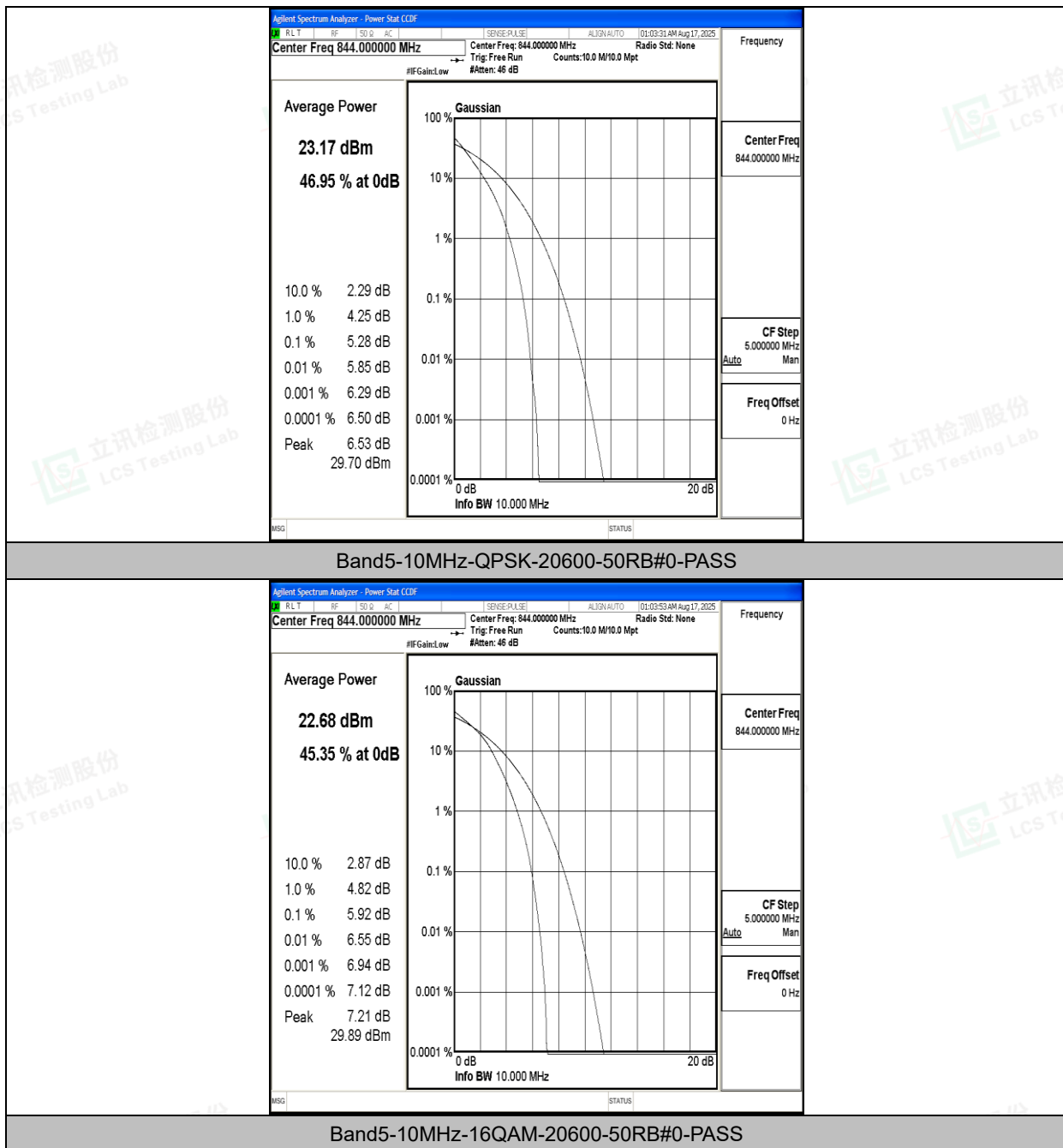


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D.3 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	1.0965	1.292	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.1111	1.281	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.0982	1.306	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.1073	1.354	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.0992	1.286	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.0985	1.391	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.7755	3.426	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.7537	3.265	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.7619	3.510	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.7621	3.555	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.7794	3.316	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.7689	3.443	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.5193	5.290	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.5276	5.268	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.5166	5.398	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.5312	5.376	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.5253	5.291	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.5516	5.361	PASS
Band5	10MHz	QPSK	20450	50RB#0	8.9792	9.879	PASS
Band5	10MHz	16QAM	20450	50RB#0	8.9876	9.927	PASS
Band5	10MHz	QPSK	20525	50RB#0	9.0249	10.15	PASS
Band5	10MHz	16QAM	20525	50RB#0	9.0337	10.43	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.9703	10.14	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.9808	9.966	PASS



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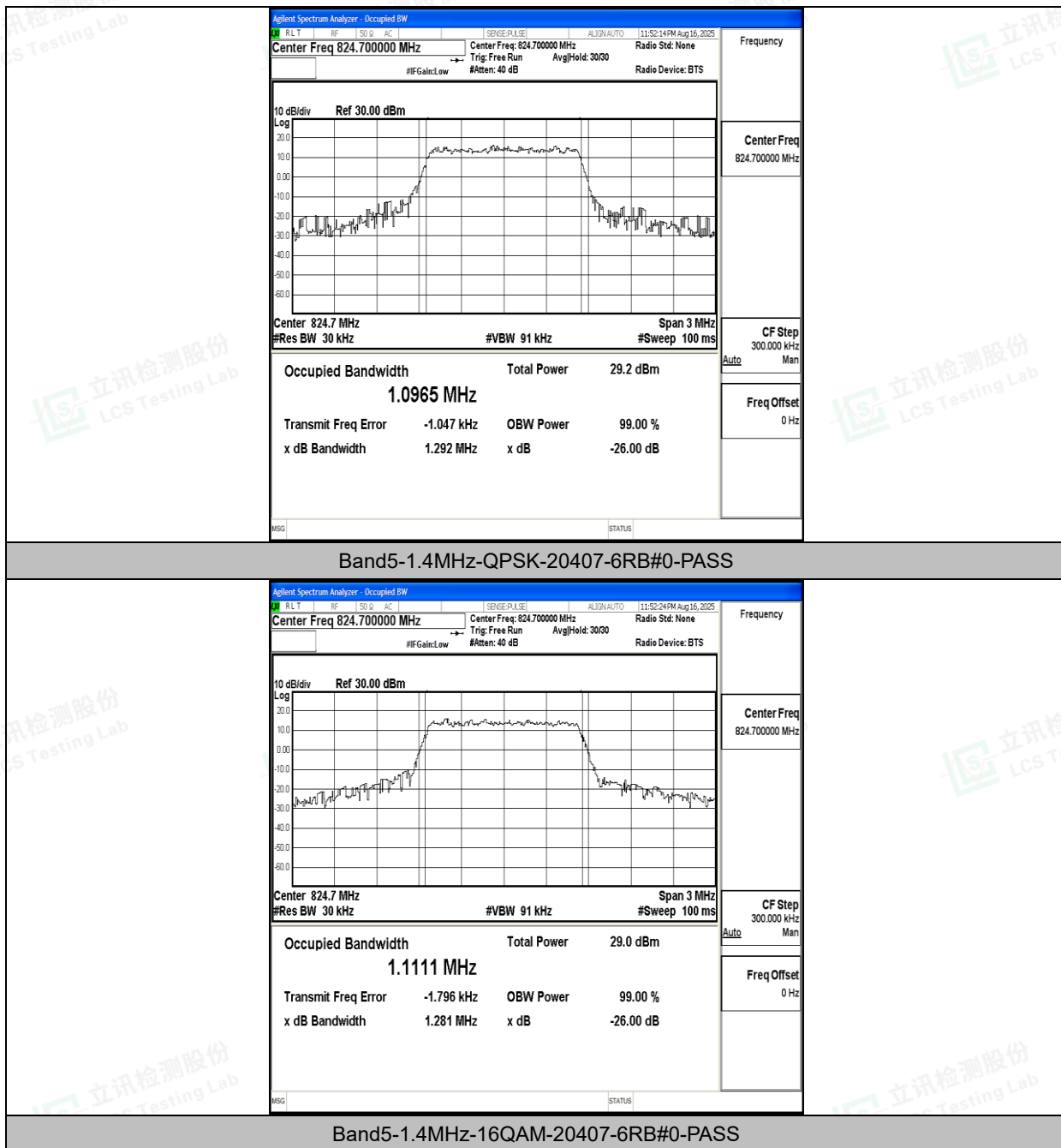
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Test Graphs

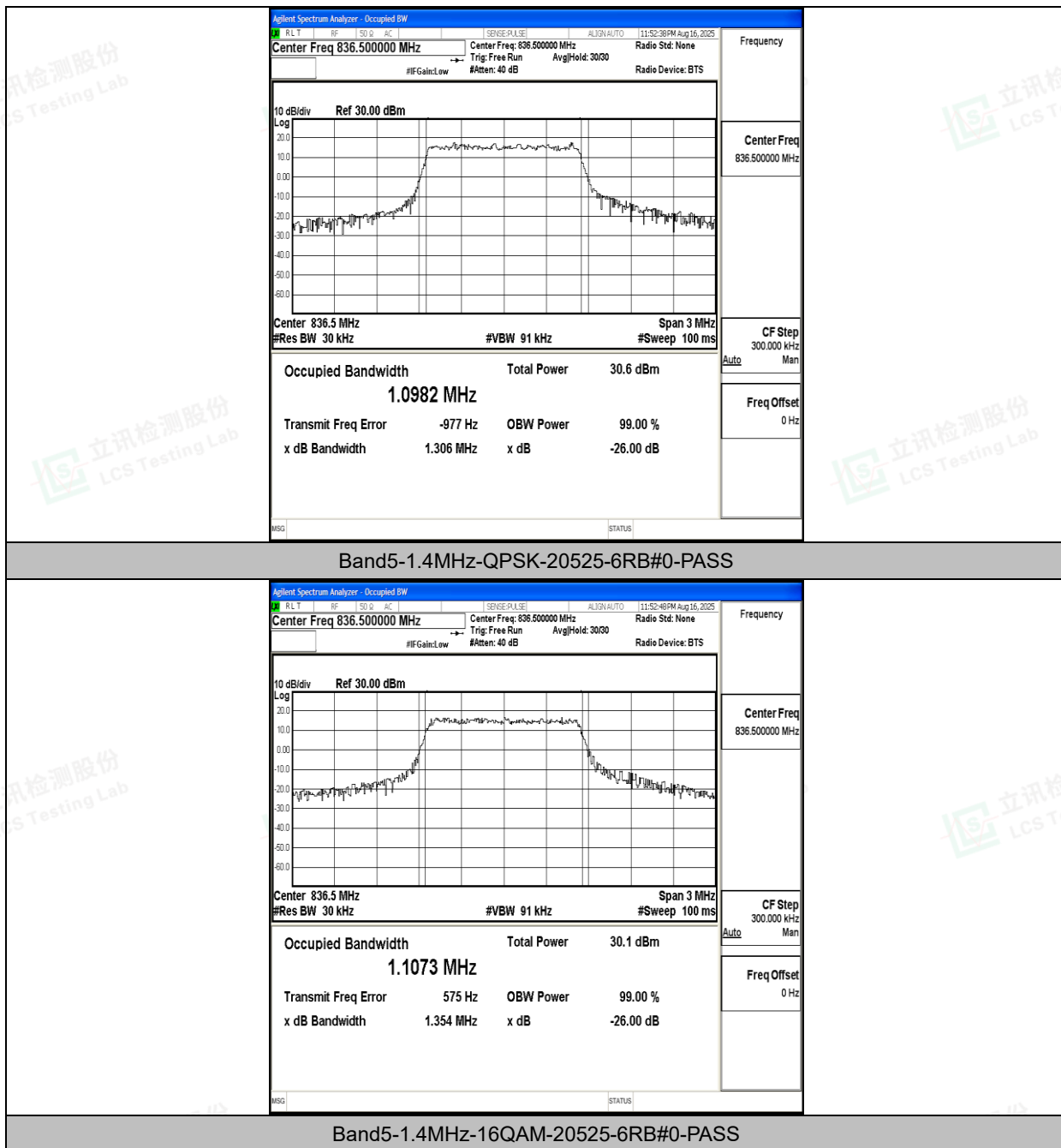


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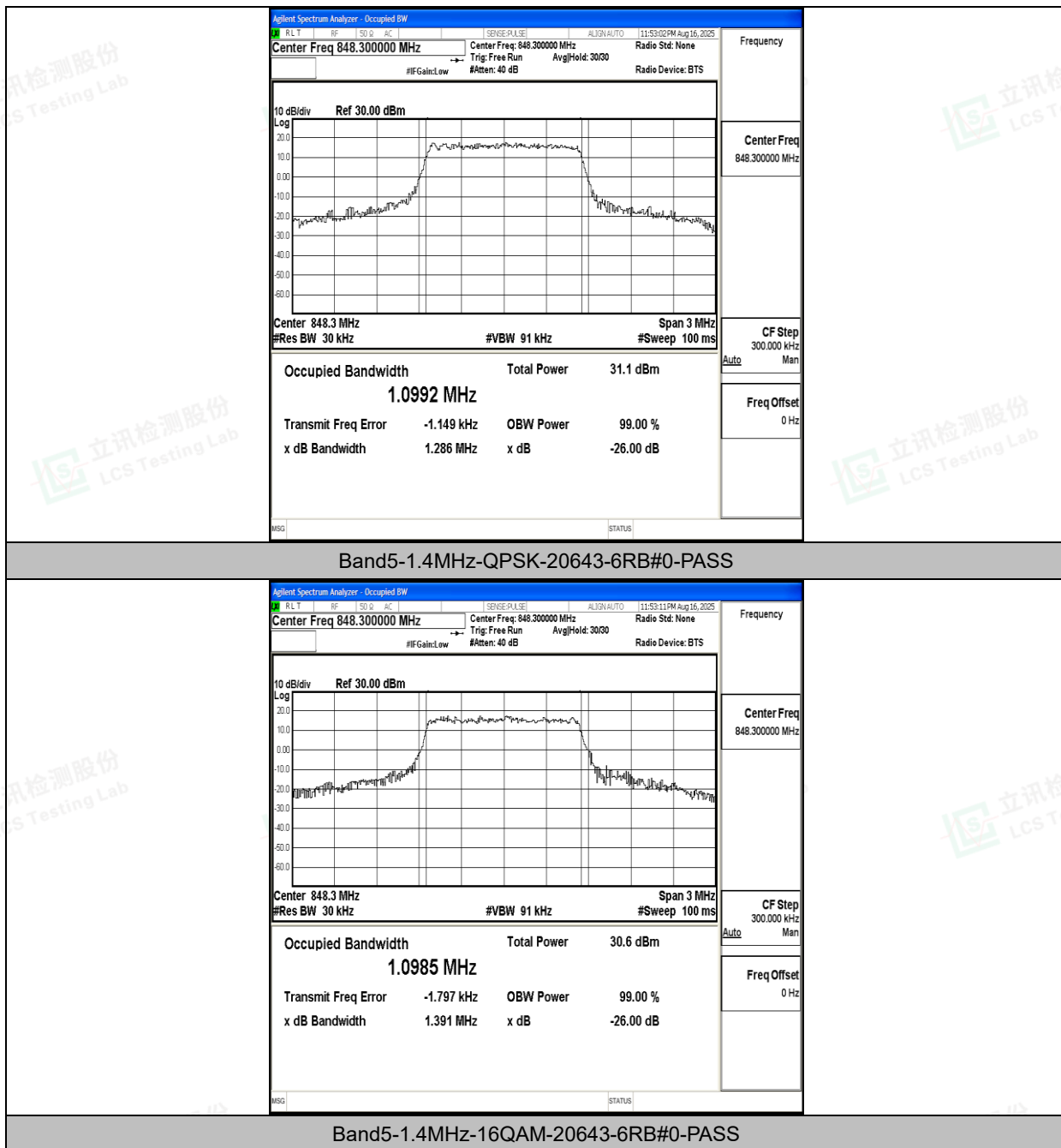


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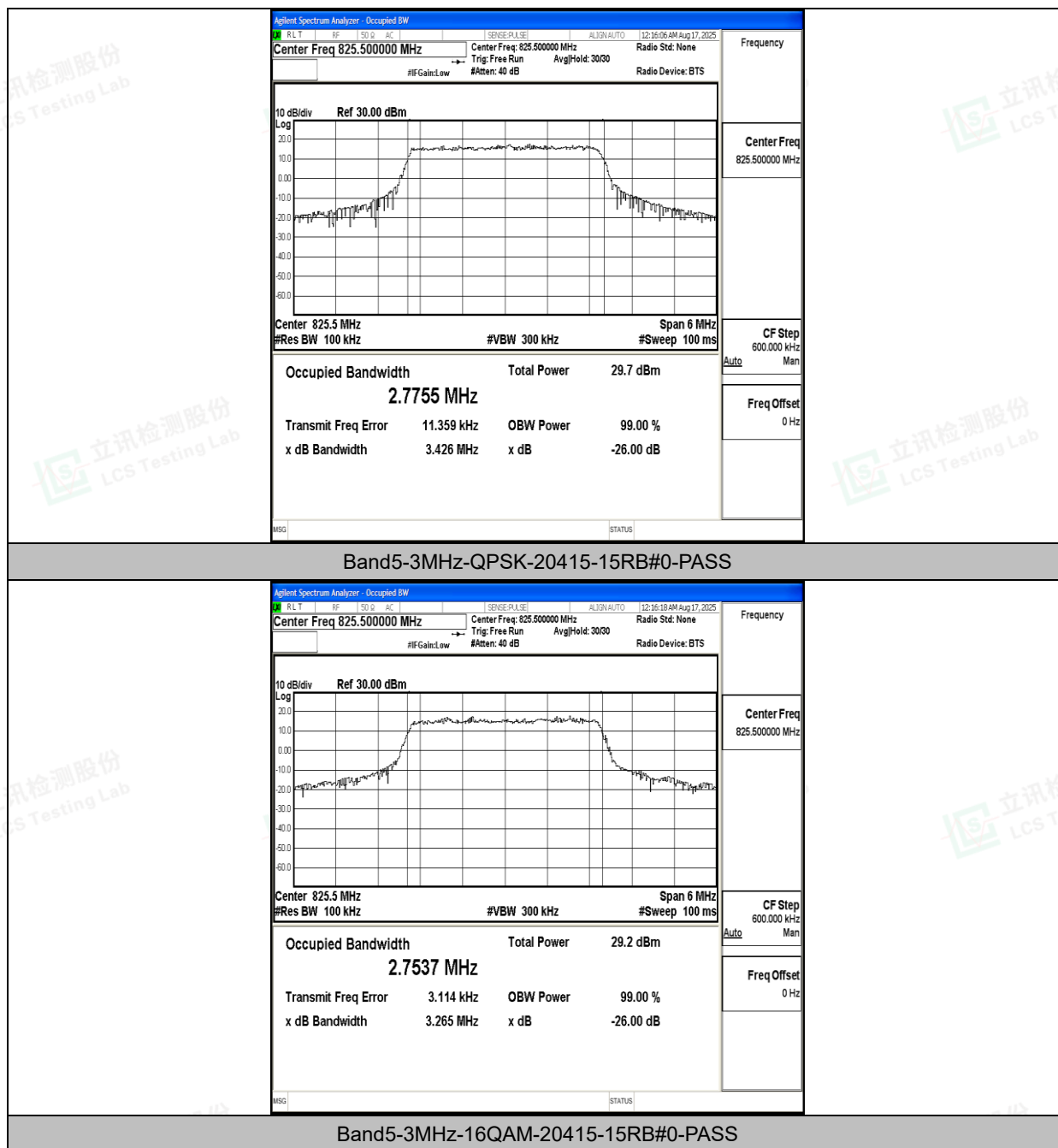


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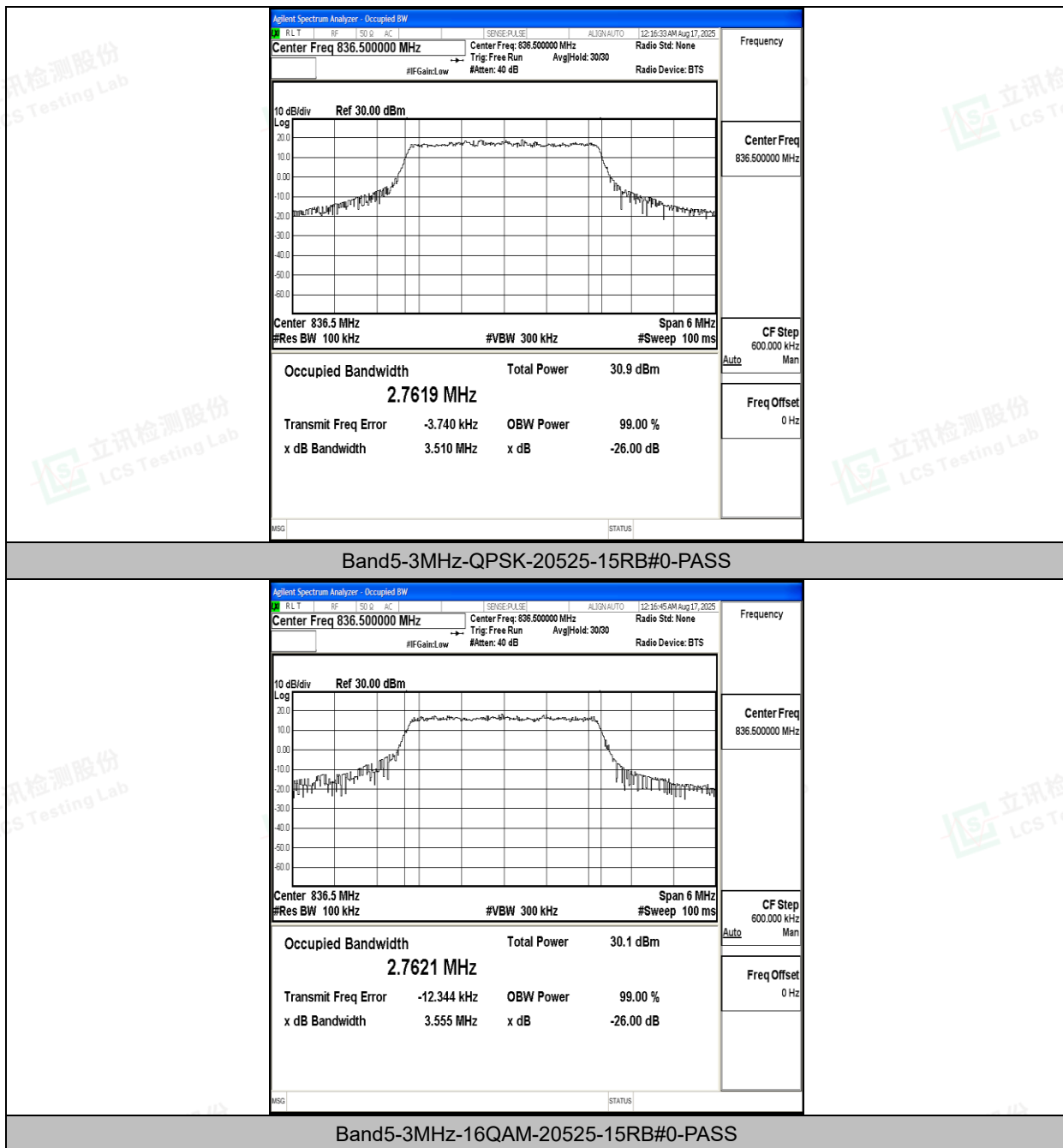


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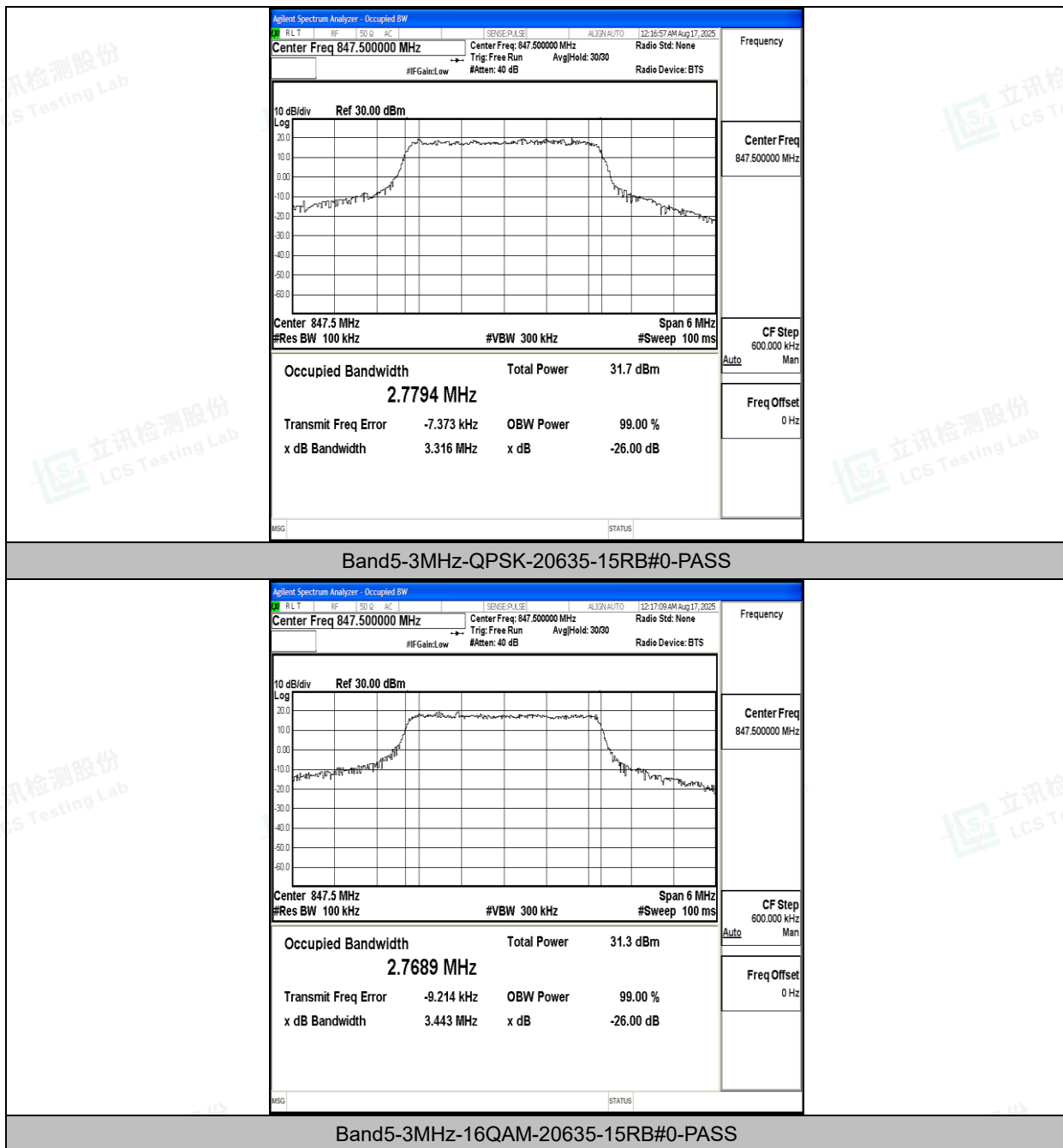


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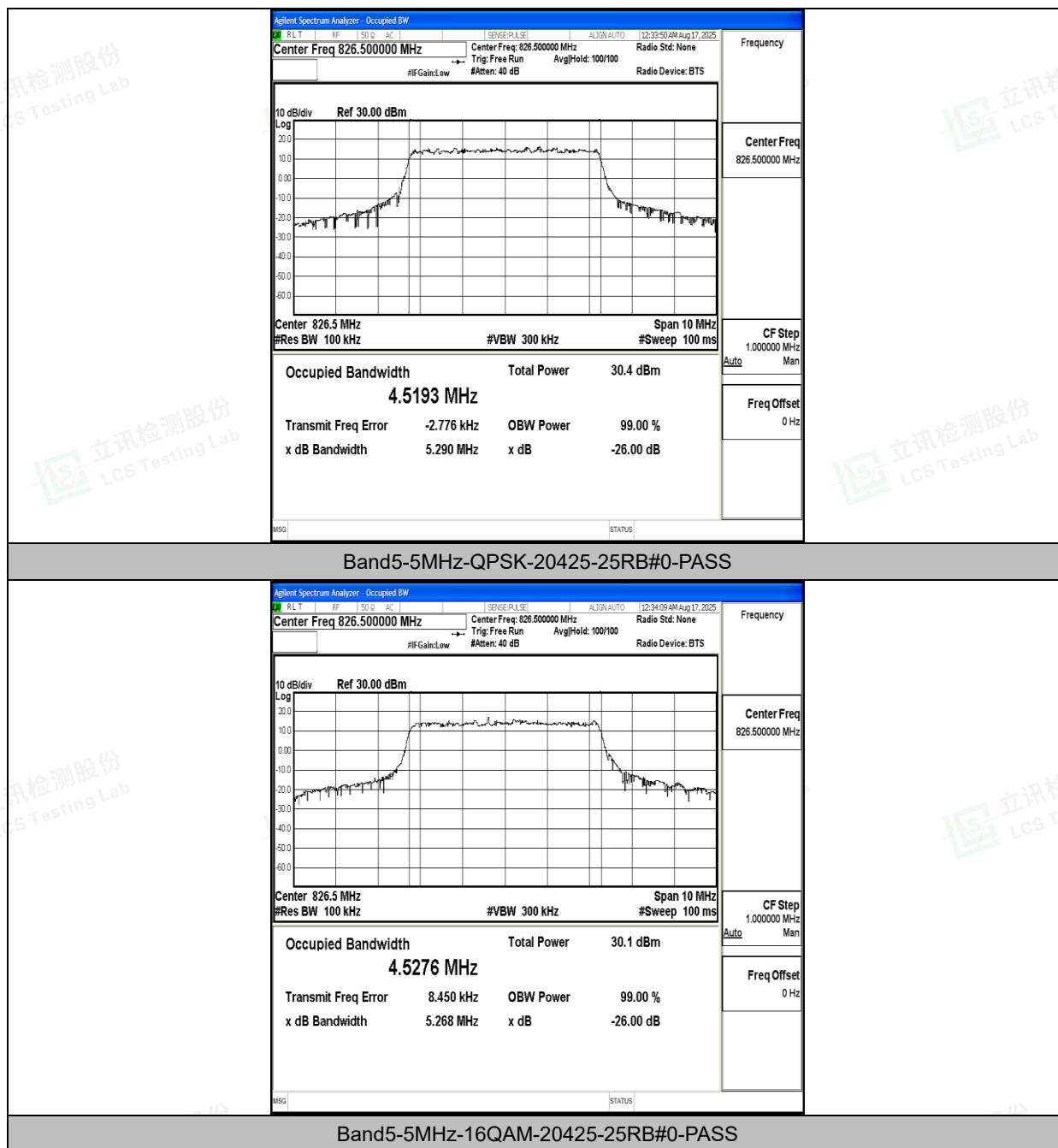


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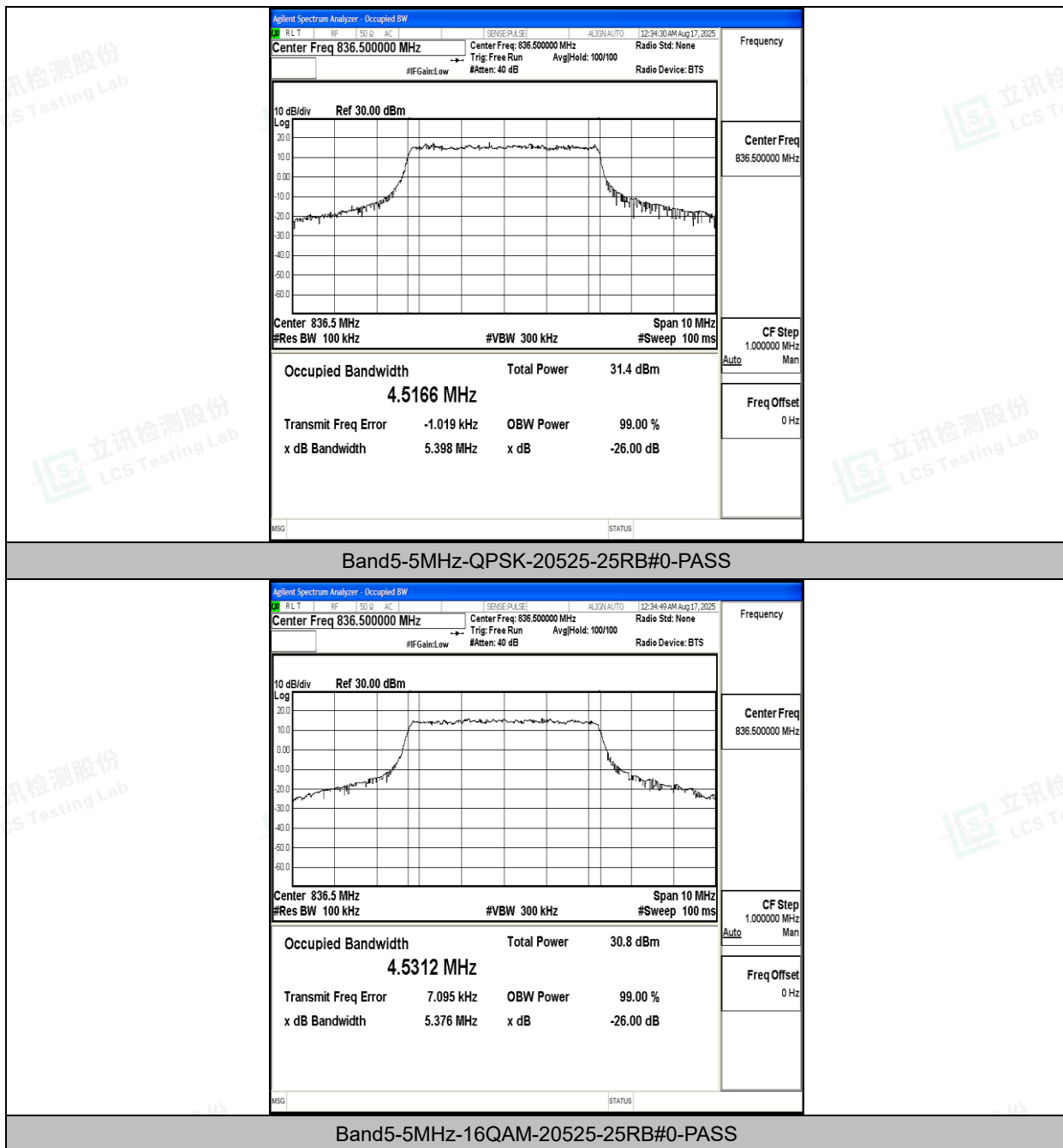


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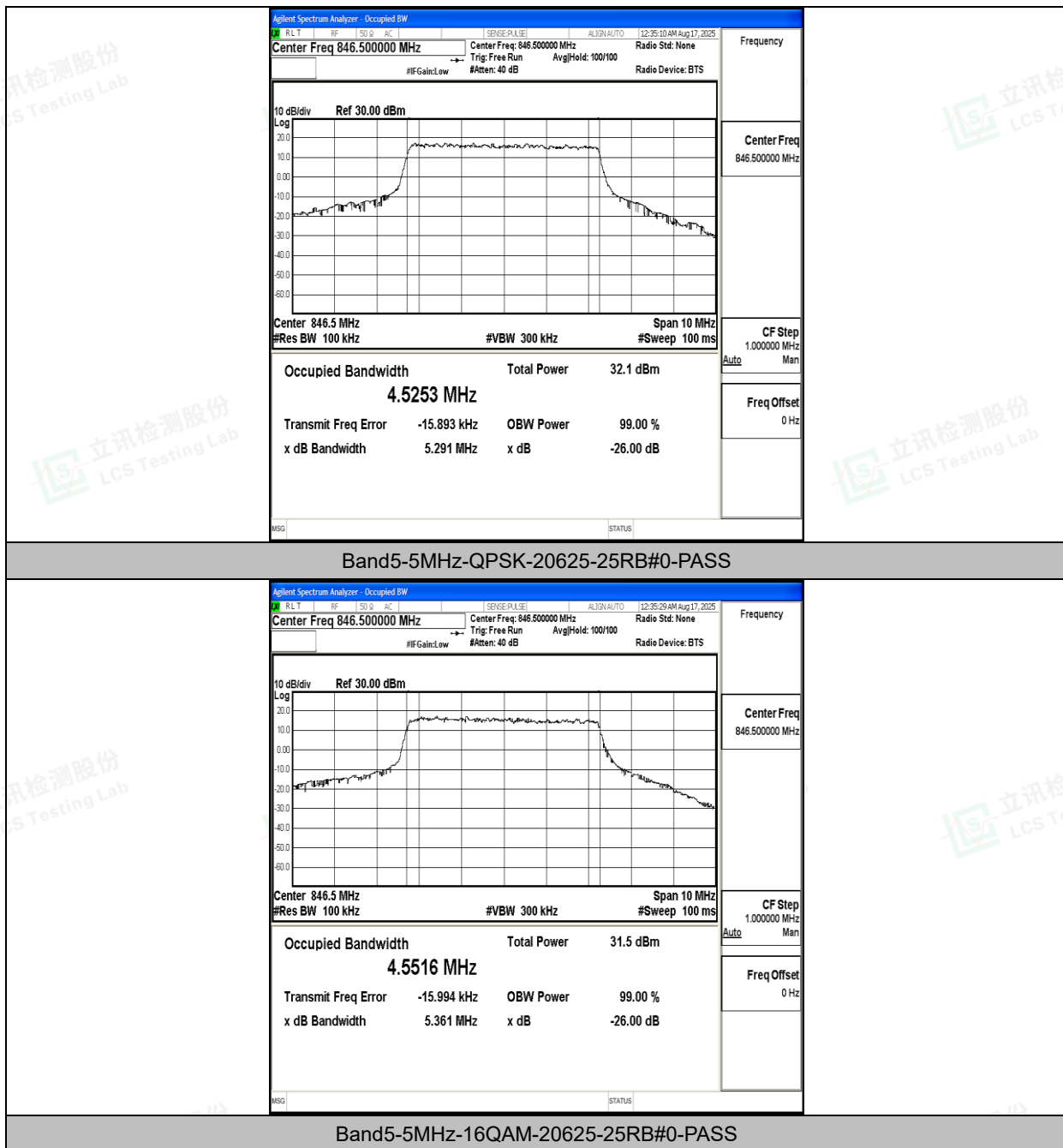


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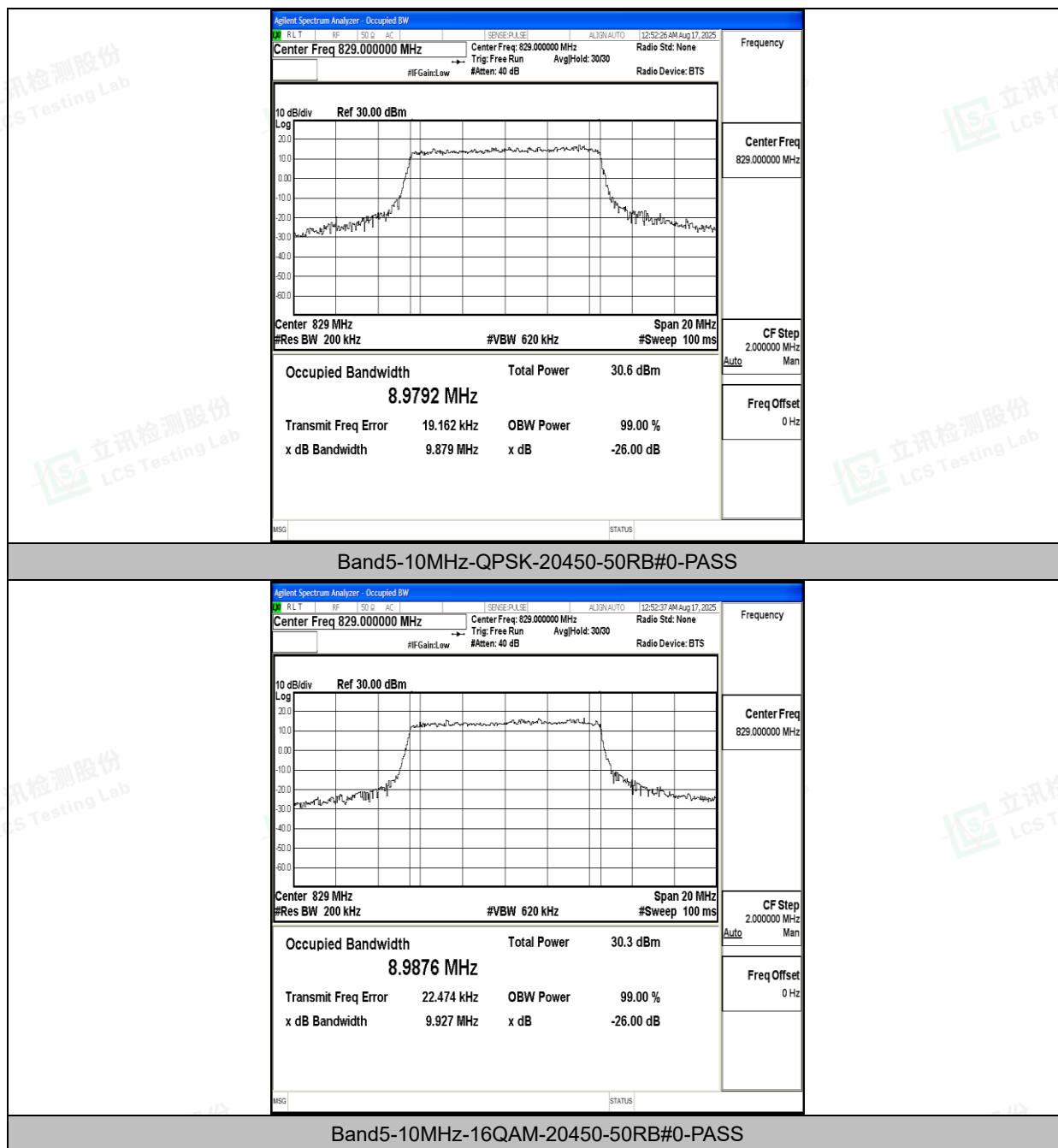


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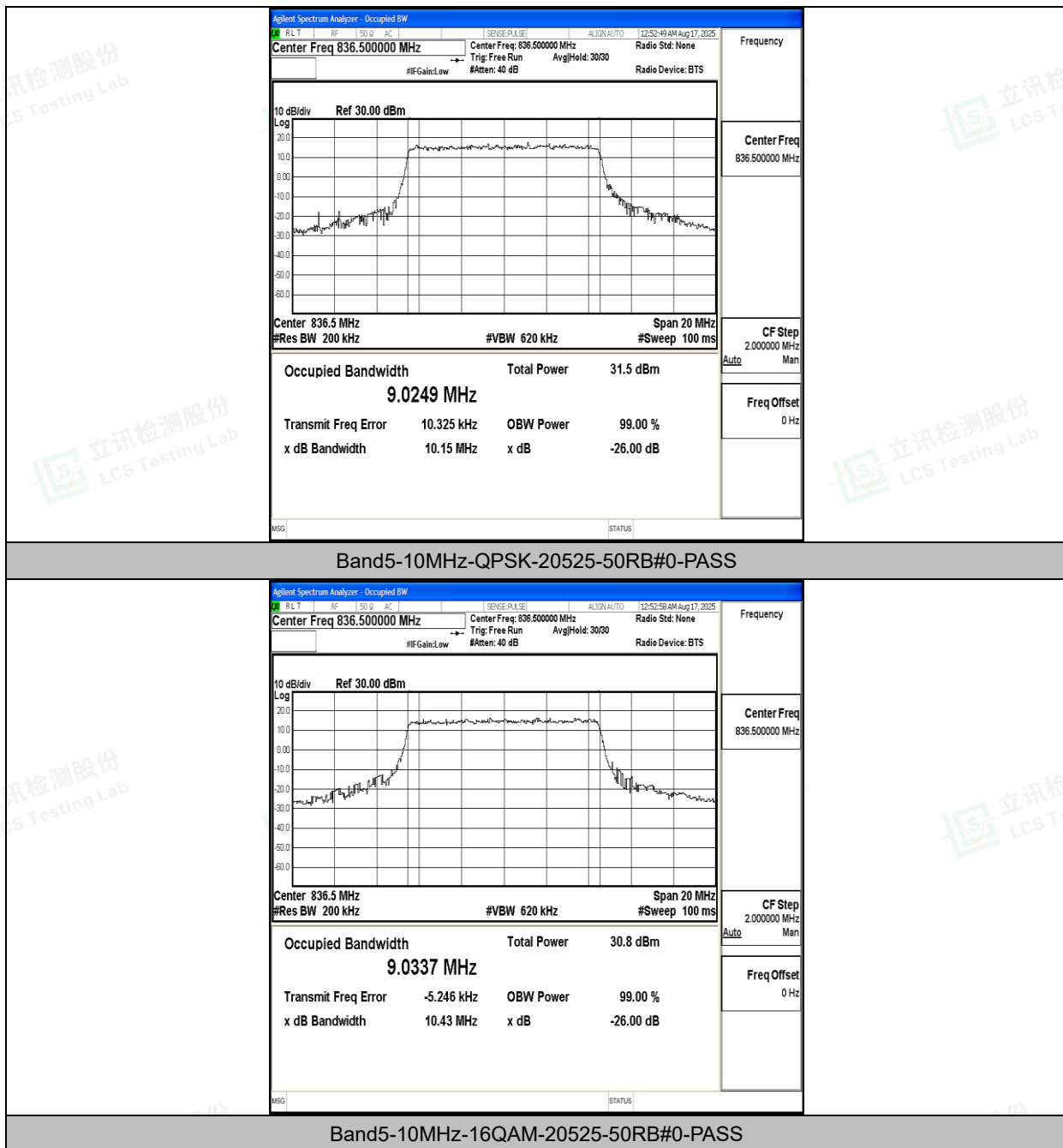


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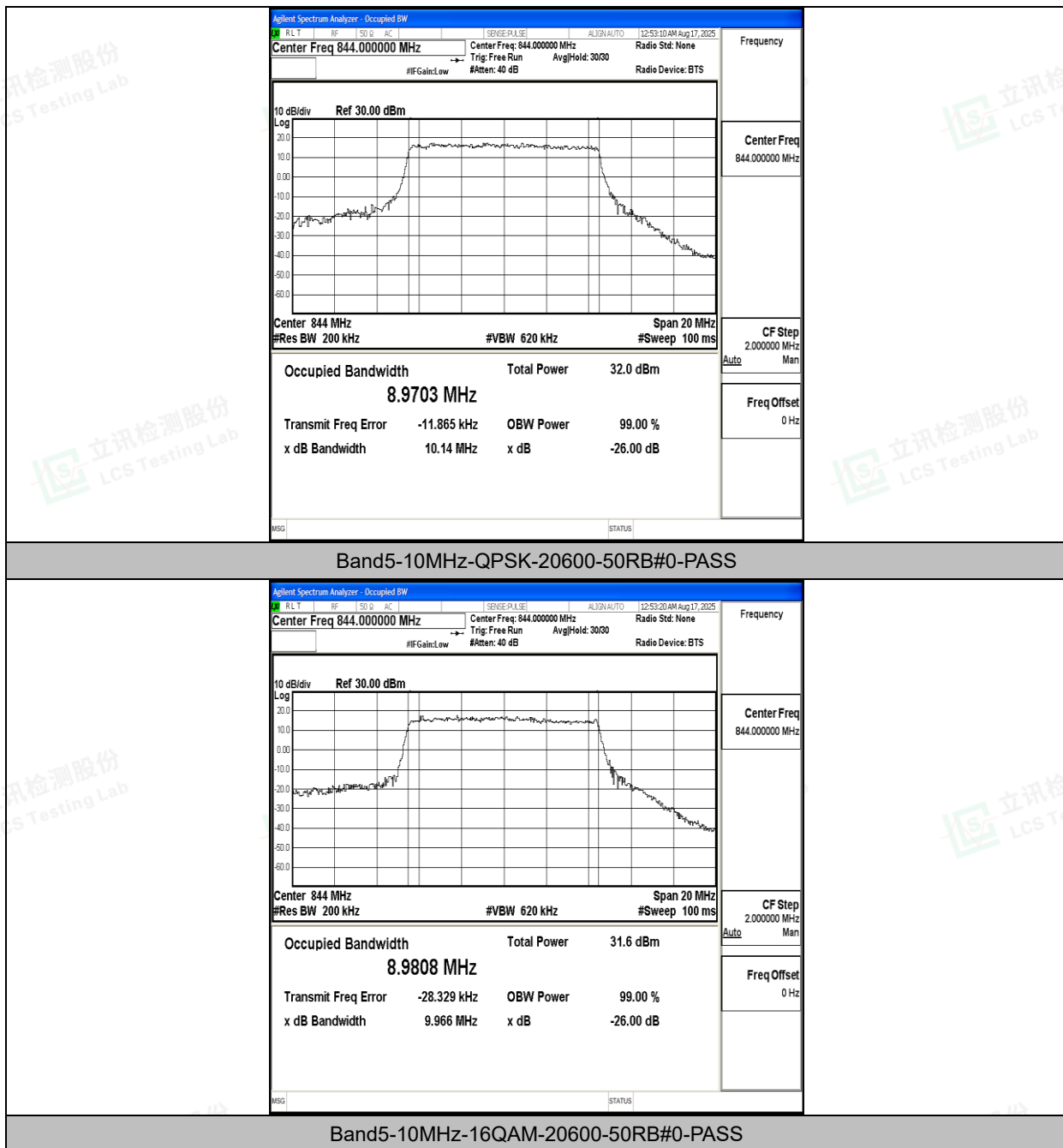


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D.4 Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Peak Frequency	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	823.98	-17.71	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	823.98	-18.10	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	849.02	-13.73	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	849.05	-14.33	PASS
Band5	3MHz	QPSK	20415	15RB#0	823.84	-50.20	PASS
Band5	3MHz	16QAM	20415	15RB#0	824.00	-25.96	PASS
Band5	3MHz	QPSK	20635	15RB#0	849.01	-21.10	PASS
Band5	3MHz	16QAM	20635	15RB#0	849.00	-21.91	PASS
Band5	5MHz	QPSK	20425	25RB#0	823.95	-24.15	PASS
Band5	5MHz	16QAM	20425	25RB#0	824.00	-25.12	PASS
Band5	5MHz	QPSK	20625	25RB#0	849.06	-22.97	PASS
Band5	5MHz	16QAM	20625	25RB#0	849.03	-20.79	PASS
Band5	10MHz	QPSK	20450	50RB#0	823.98	-27.29	PASS
Band5	10MHz	16QAM	20450	50RB#0	823.99	-28.70	PASS
Band5	10MHz	QPSK	20600	50RB#0	849.05	-23.46	PASS
Band5	10MHz	16QAM	20600	50RB#0	849.09	-24.53	PASS



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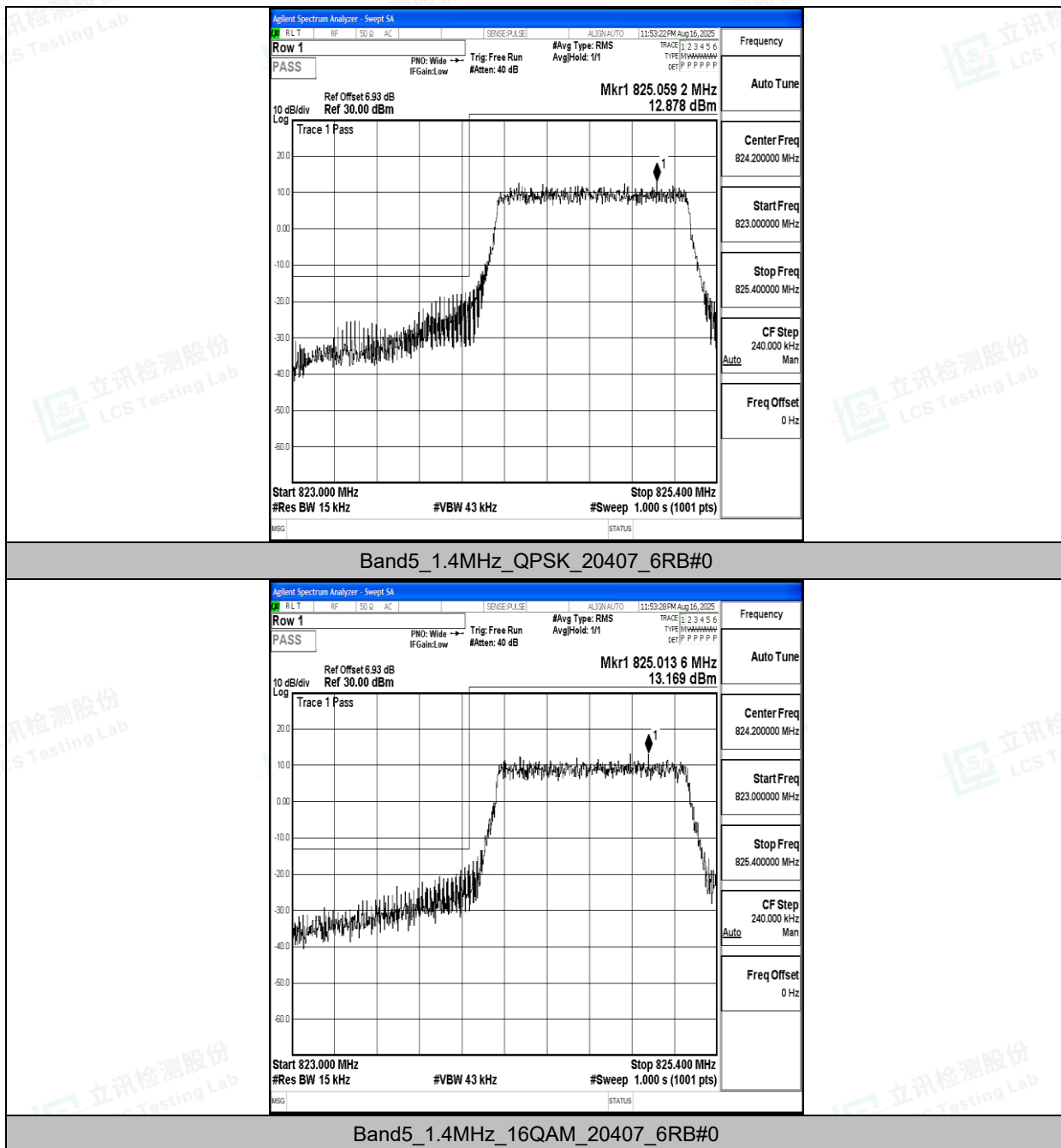
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Test Graphs

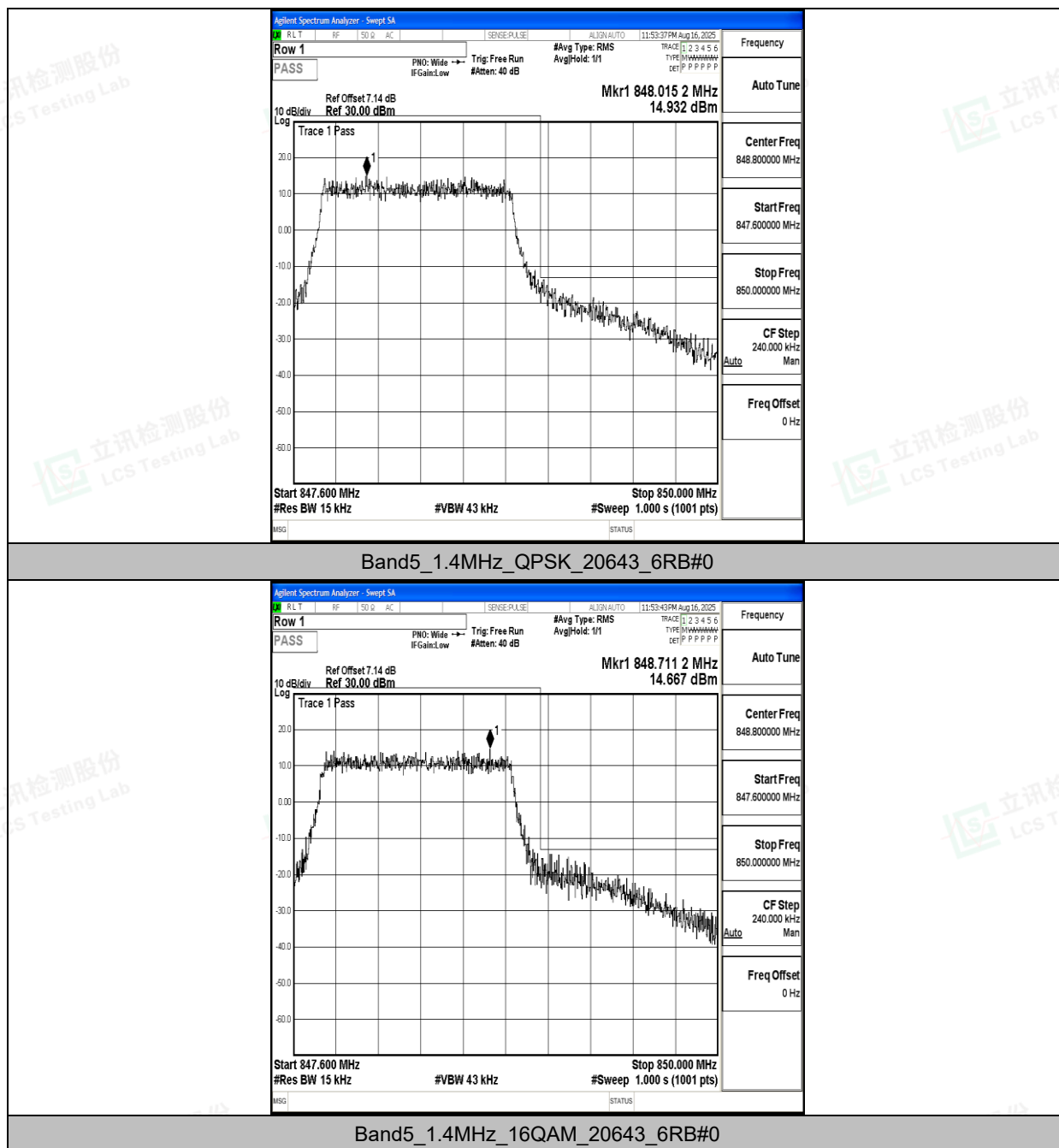


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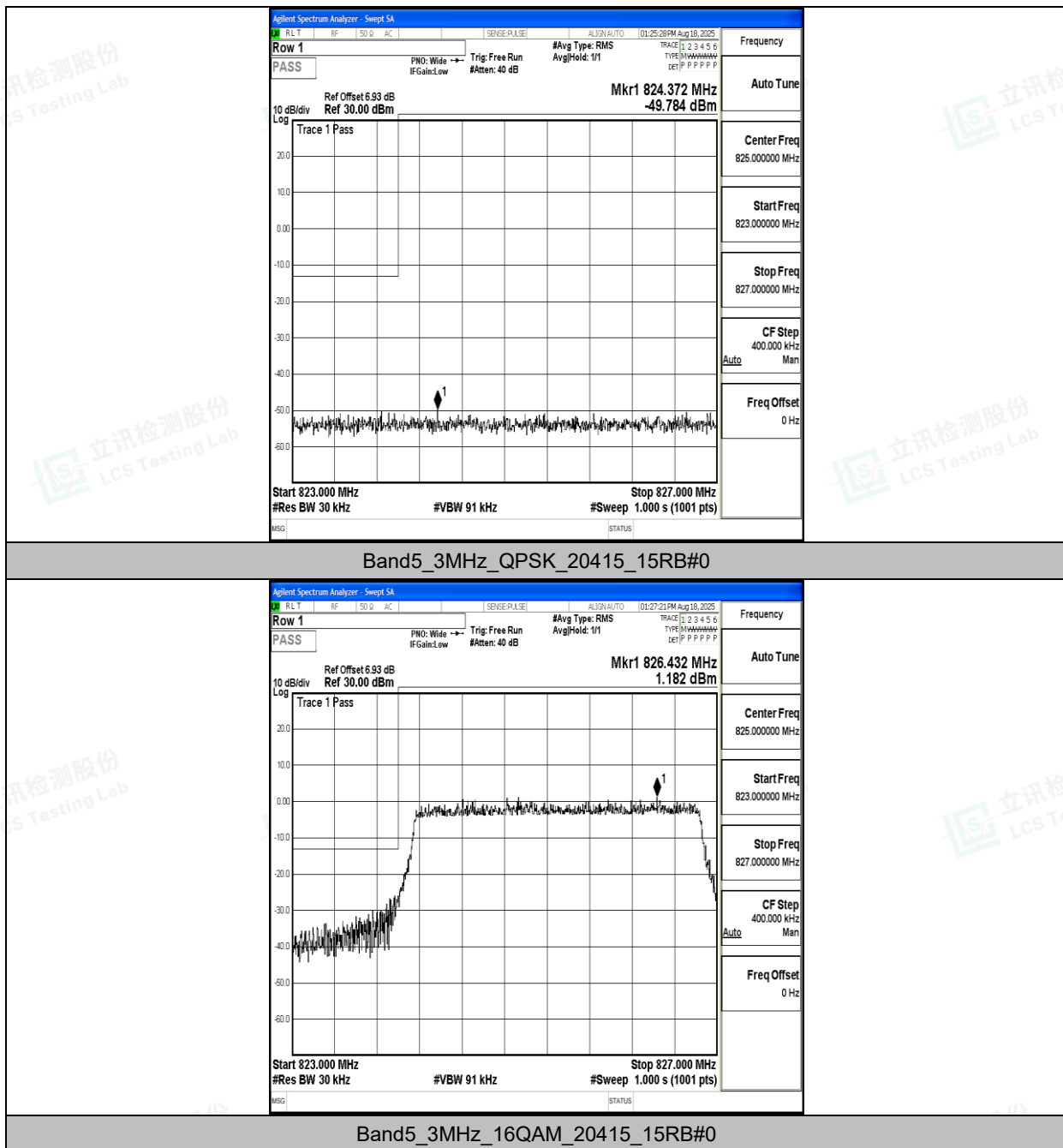


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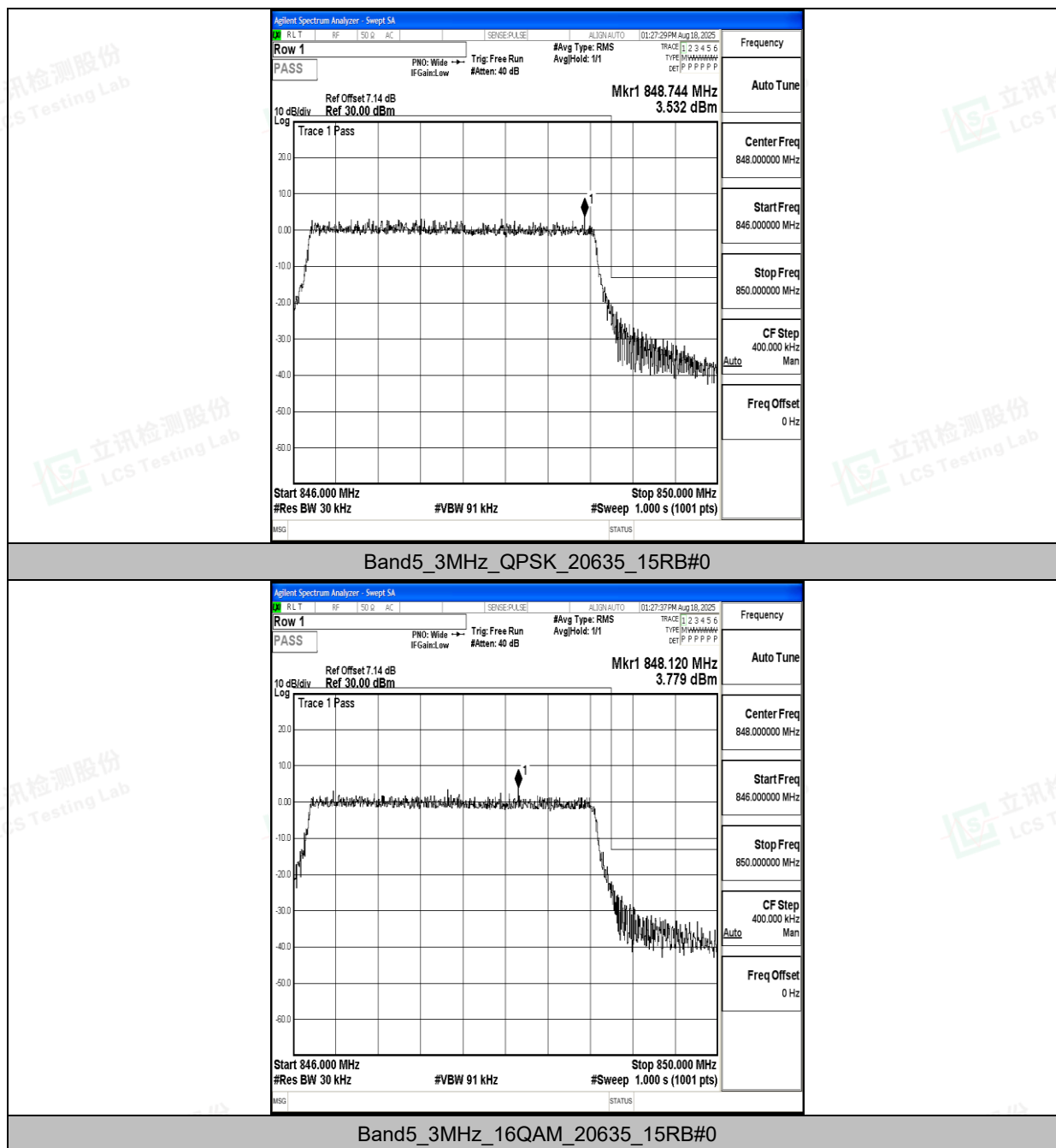


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