



Appendix K: Test Data for E-UTRA Band 12

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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K.1 Conducted Output Power Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	22.81	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	23.20	PASS
Band12	1.4MHz	QPSK	23017	1RB#2	23.08	PASS
Band12	1.4MHz	16QAM	23017	1RB#2	23.24	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	23.14	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	23.10	PASS
Band12	1.4MHz	QPSK	23017	3RB#0	23.14	PASS
Band12	1.4MHz	16QAM	23017	3RB#0	22.86	PASS
Band12	1.4MHz	QPSK	23017	3RB#1	23.09	PASS
Band12	1.4MHz	16QAM	23017	3RB#1	22.81	PASS
Band12	1.4MHz	QPSK	23017	3RB#3	23.06	PASS
Band12	1.4MHz	16QAM	23017	3RB#3	22.82	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	23.09	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	22.16	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	22.73	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	22.84	PASS
Band12	1.4MHz	QPSK	23095	1RB#2	23.02	PASS
Band12	1.4MHz	16QAM	23095	1RB#2	23.03	PASS
Band12	1.4MHz	QPSK	23095	1RB#5	22.78	PASS
Band12	1.4MHz	16QAM	23095	1RB#5	22.95	PASS
Band12	1.4MHz	QPSK	23095	3RB#0	22.87	PASS
Band12	1.4MHz	16QAM	23095	3RB#0	22.59	PASS
Band12	1.4MHz	QPSK	23095	3RB#1	22.92	PASS
Band12	1.4MHz	16QAM	23095	3RB#1	22.70	PASS
Band12	1.4MHz	QPSK	23095	3RB#3	22.80	PASS
Band12	1.4MHz	16QAM	23095	3RB#3	21.69	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	22.88	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	22.05	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	22.45	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	21.68	PASS
Band12	1.4MHz	QPSK	23173	1RB#2	22.37	PASS
Band12	1.4MHz	16QAM	23173	1RB#2	22.87	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	21.75	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	21.69	PASS
Band12	1.4MHz	QPSK	23173	3RB#0	21.67	PASS
Band12	1.4MHz	16QAM	23173	3RB#0	22.72	PASS



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Band12	1.4MHz	QPSK	23173	3RB#1	22.74	PASS
Band12	1.4MHz	16QAM	23173	3RB#1	21.69	PASS
Band12	1.4MHz	QPSK	23173	3RB#3	22.47	PASS
Band12	1.4MHz	16QAM	23173	3RB#3	22.40	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	21.61	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	20.68	PASS
Band12	3MHz	QPSK	23025	1RB#0	21.21	PASS
Band12	3MHz	16QAM	23025	1RB#0	21.77	PASS
Band12	3MHz	QPSK	23025	1RB#8	21.63	PASS
Band12	3MHz	16QAM	23025	1RB#8	20.51	PASS
Band12	3MHz	QPSK	23025	1RB#14	20.39	PASS
Band12	3MHz	16QAM	23025	1RB#14	20.47	PASS
Band12	3MHz	QPSK	23025	8RB#0	20.86	PASS
Band12	3MHz	16QAM	23025	8RB#0	20.98	PASS
Band12	3MHz	QPSK	23025	8RB#4	20.84	PASS
Band12	3MHz	16QAM	23025	8RB#4	20.98	PASS
Band12	3MHz	QPSK	23025	8RB#7	21.78	PASS
Band12	3MHz	16QAM	23025	8RB#7	20.82	PASS
Band12	3MHz	QPSK	23025	15RB#0	21.73	PASS
Band12	3MHz	16QAM	23025	15RB#0	20.98	PASS
Band12	3MHz	QPSK	23095	1RB#0	21.69	PASS
Band12	3MHz	16QAM	23095	1RB#0	21.75	PASS
Band12	3MHz	QPSK	23095	1RB#8	21.28	PASS
Band12	3MHz	16QAM	23095	1RB#8	21.22	PASS
Band12	3MHz	QPSK	23095	1RB#14	21.29	PASS
Band12	3MHz	16QAM	23095	1RB#14	21.28	PASS
Band12	3MHz	QPSK	23095	8RB#0	21.66	PASS
Band12	3MHz	16QAM	23095	8RB#0	20.81	PASS
Band12	3MHz	QPSK	23095	8RB#4	21.67	PASS
Band12	3MHz	16QAM	23095	8RB#4	20.56	PASS
Band12	3MHz	QPSK	23095	8RB#7	21.44	PASS
Band12	3MHz	16QAM	23095	8RB#7	20.58	PASS
Band12	3MHz	QPSK	23095	15RB#0	21.59	PASS
Band12	3MHz	16QAM	23095	15RB#0	20.65	PASS
Band12	3MHz	QPSK	23165	1RB#0	21.45	PASS
Band12	3MHz	16QAM	23165	1RB#0	21.63	PASS
Band12	3MHz	QPSK	23165	1RB#8	21.43	PASS
Band12	3MHz	16QAM	23165	1RB#8	22.31	PASS
Band12	3MHz	QPSK	23165	1RB#14	21.40	PASS
Band12	3MHz	16QAM	23165	1RB#14	21.46	PASS





Band12	3MHz	QPSK	23165	8RB#0	21.46	PASS
Band12	3MHz	16QAM	23165	8RB#0	20.38	PASS
Band12	3MHz	QPSK	23165	8RB#4	21.33	PASS
Band12	3MHz	16QAM	23165	8RB#4	20.46	PASS
Band12	3MHz	QPSK	23165	8RB#7	21.54	PASS
Band12	3MHz	16QAM	23165	8RB#7	20.34	PASS
Band12	3MHz	QPSK	23165	15RB#0	21.38	PASS
Band12	3MHz	16QAM	23165	15RB#0	20.26	PASS
Band12	5MHz	QPSK	23035	1RB#0	23.53	PASS
Band12	5MHz	16QAM	23035	1RB#0	22.47	PASS
Band12	5MHz	QPSK	23035	1RB#12	23.61	PASS
Band12	5MHz	16QAM	23035	1RB#12	22.52	PASS
Band12	5MHz	QPSK	23035	1RB#24	23.52	PASS
Band12	5MHz	16QAM	23035	1RB#24	22.39	PASS
Band12	5MHz	QPSK	23035	12RB#0	22.54	PASS
Band12	5MHz	16QAM	23035	12RB#0	21.55	PASS
Band12	5MHz	QPSK	23035	12RB#6	22.55	PASS
Band12	5MHz	16QAM	23035	12RB#6	21.50	PASS
Band12	5MHz	QPSK	23035	12RB#13	22.53	PASS
Band12	5MHz	16QAM	23035	12RB#13	21.50	PASS
Band12	5MHz	QPSK	23035	25RB#0	22.59	PASS
Band12	5MHz	16QAM	23035	25RB#0	21.56	PASS
Band12	5MHz	QPSK	23095	1RB#0	23.51	PASS
Band12	5MHz	16QAM	23095	1RB#0	22.60	PASS
Band12	5MHz	QPSK	23095	1RB#12	23.58	PASS
Band12	5MHz	16QAM	23095	1RB#12	22.71	PASS
Band12	5MHz	QPSK	23095	1RB#24	23.49	PASS
Band12	5MHz	16QAM	23095	1RB#24	22.63	PASS
Band12	5MHz	QPSK	23095	12RB#0	22.68	PASS
Band12	5MHz	16QAM	23095	12RB#0	21.68	PASS
Band12	5MHz	QPSK	23095	12RB#6	22.67	PASS
Band12	5MHz	16QAM	23095	12RB#6	21.69	PASS
Band12	5MHz	QPSK	23095	12RB#13	22.60	PASS
Band12	5MHz	16QAM	23095	12RB#13	21.64	PASS
Band12	5MHz	QPSK	23095	25RB#0	22.68	PASS
Band12	5MHz	16QAM	23095	25RB#0	21.60	PASS
Band12	5MHz	QPSK	23155	1RB#0	23.52	PASS
Band12	5MHz	16QAM	23155	1RB#0	22.45	PASS
Band12	5MHz	QPSK	23155	1RB#12	23.57	PASS
Band12	5MHz	16QAM	23155	1RB#12	22.53	PASS





Band12	5MHz	QPSK	23155	1RB#24	23.52	PASS
Band12	5MHz	16QAM	23155	1RB#24	22.42	PASS
Band12	5MHz	QPSK	23155	12RB#0	22.56	PASS
Band12	5MHz	16QAM	23155	12RB#0	21.61	PASS
Band12	5MHz	QPSK	23155	12RB#6	22.59	PASS
Band12	5MHz	16QAM	23155	12RB#6	21.59	PASS
Band12	5MHz	QPSK	23155	12RB#13	22.50	PASS
Band12	5MHz	16QAM	23155	12RB#13	21.49	PASS
Band12	5MHz	QPSK	23155	25RB#0	22.60	PASS
Band12	5MHz	16QAM	23155	25RB#0	21.54	PASS
Band12	10MHz	QPSK	23060	1RB#0	23.50	PASS
Band12	10MHz	16QAM	23060	1RB#0	22.57	PASS
Band12	10MHz	QPSK	23060	1RB#24	23.61	PASS
Band12	10MHz	16QAM	23060	1RB#24	22.69	PASS
Band12	10MHz	QPSK	23060	1RB#49	23.60	PASS
Band12	10MHz	16QAM	23060	1RB#49	22.64	PASS
Band12	10MHz	QPSK	23060	25RB#0	22.57	PASS
Band12	10MHz	16QAM	23060	25RB#0	21.55	PASS
Band12	10MHz	QPSK	23060	25RB#12	22.57	PASS
Band12	10MHz	16QAM	23060	25RB#12	21.55	PASS
Band12	10MHz	QPSK	23060	25RB#25	22.58	PASS
Band12	10MHz	16QAM	23060	25RB#25	21.55	PASS
Band12	10MHz	QPSK	23060	50RB#0	22.58	PASS
Band12	10MHz	16QAM	23060	50RB#0	21.57	PASS
Band12	10MHz	QPSK	23095	1RB#0	23.57	PASS
Band12	10MHz	16QAM	23095	1RB#0	22.40	PASS
Band12	10MHz	QPSK	23095	1RB#24	23.72	PASS
Band12	10MHz	16QAM	23095	1RB#24	22.57	PASS
Band12	10MHz	QPSK	23095	1RB#49	23.68	PASS
Band12	10MHz	16QAM	23095	1RB#49	22.54	PASS
Band12	10MHz	QPSK	23095	25RB#0	22.78	PASS
Band12	10MHz	16QAM	23095	25RB#0	21.78	PASS
Band12	10MHz	QPSK	23095	25RB#12	22.80	PASS
Band12	10MHz	16QAM	23095	25RB#12	21.79	PASS
Band12	10MHz	QPSK	23095	25RB#25	22.70	PASS
Band12	10MHz	16QAM	23095	25RB#25	21.67	PASS
Band12	10MHz	QPSK	23095	50RB#0	22.68	PASS
Band12	10MHz	16QAM	23095	50RB#0	21.71	PASS
Band12	10MHz	QPSK	23130	1RB#0	23.61	PASS
Band12	10MHz	16QAM	23130	1RB#0	22.42	PASS





Band12	10MHz	QPSK	23130	1RB#24	23.63	PASS
Band12	10MHz	16QAM	23130	1RB#24	22.47	PASS
Band12	10MHz	QPSK	23130	1RB#49	23.62	PASS
Band12	10MHz	16QAM	23130	1RB#49	22.41	PASS
Band12	10MHz	QPSK	23130	25RB#0	22.71	PASS
Band12	10MHz	16QAM	23130	25RB#0	21.74	PASS
Band12	10MHz	QPSK	23130	25RB#12	22.67	PASS
Band12	10MHz	16QAM	23130	25RB#12	21.74	PASS
Band12	10MHz	QPSK	23130	25RB#25	22.68	PASS
Band12	10MHz	16QAM	23130	25RB#25	21.66	PASS
Band12	10MHz	QPSK	23130	50RB#0	22.76	PASS
Band12	10MHz	16QAM	23130	50RB#0	21.63	PASS



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K.2 Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	4.55	13	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	5.60	13	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	5.23	13	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	5.91	13	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	4.50	13	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	5.22	13	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	4.91	13	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	5.74	13	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	4.55	13	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	5.16	13	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	4.90	13	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	5.74	13	PASS
Band12	3MHz	QPSK	23025	1RB#0	4.81	13	PASS
Band12	3MHz	16QAM	23025	1RB#0	5.72	13	PASS
Band12	3MHz	QPSK	23025	15RB#0	5.55	13	PASS
Band12	3MHz	16QAM	23025	15RB#0	6.35	13	PASS
Band12	3MHz	QPSK	23095	1RB#0	4.82	13	PASS
Band12	3MHz	16QAM	23095	1RB#0	5.71	13	PASS
Band12	3MHz	QPSK	23095	15RB#0	5.59	13	PASS
Band12	3MHz	16QAM	23095	15RB#0	6.39	13	PASS
Band12	3MHz	QPSK	23165	1RB#0	4.37	13	PASS
Band12	3MHz	16QAM	23165	1RB#0	5.30	13	PASS
Band12	3MHz	QPSK	23165	15RB#0	5.17	13	PASS
Band12	3MHz	16QAM	23165	15RB#0	6.01	13	PASS
Band12	5MHz	QPSK	23035	1RB#0	4.87	13	PASS
Band12	5MHz	16QAM	23035	1RB#0	5.64	13	PASS
Band12	5MHz	QPSK	23035	25RB#0	5.64	13	PASS
Band12	5MHz	16QAM	23035	25RB#0	6.33	13	PASS
Band12	5MHz	QPSK	23095	1RB#0	4.87	13	PASS
Band12	5MHz	16QAM	23095	1RB#0	5.62	13	PASS
Band12	5MHz	QPSK	23095	25RB#0	5.76	13	PASS
Band12	5MHz	16QAM	23095	25RB#0	6.41	13	PASS
Band12	5MHz	QPSK	23155	1RB#0	4.79	13	PASS
Band12	5MHz	16QAM	23155	1RB#0	5.58	13	PASS
Band12	5MHz	QPSK	23155	25RB#0	5.42	13	PASS
Band12	5MHz	16QAM	23155	25RB#0	6.14	13	PASS



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Band12	10MHz	QPSK	23060	1RB#0	4.74	13	PASS
Band12	10MHz	16QAM	23060	1RB#0	5.61	13	PASS
Band12	10MHz	QPSK	23060	50RB#0	5.55	13	PASS
Band12	10MHz	16QAM	23060	50RB#0	6.30	13	PASS
Band12	10MHz	QPSK	23095	1RB#0	4.81	13	PASS
Band12	10MHz	16QAM	23095	1RB#0	5.70	13	PASS
Band12	10MHz	QPSK	23095	50RB#0	5.76	13	PASS
Band12	10MHz	16QAM	23095	50RB#0	6.44	13	PASS
Band12	10MHz	QPSK	23130	1RB#0	4.83	13	PASS
Band12	10MHz	16QAM	23130	1RB#0	5.72	13	PASS
Band12	10MHz	QPSK	23130	50RB#0	5.64	13	PASS
Band12	10MHz	16QAM	23130	50RB#0	6.38	13	PASS



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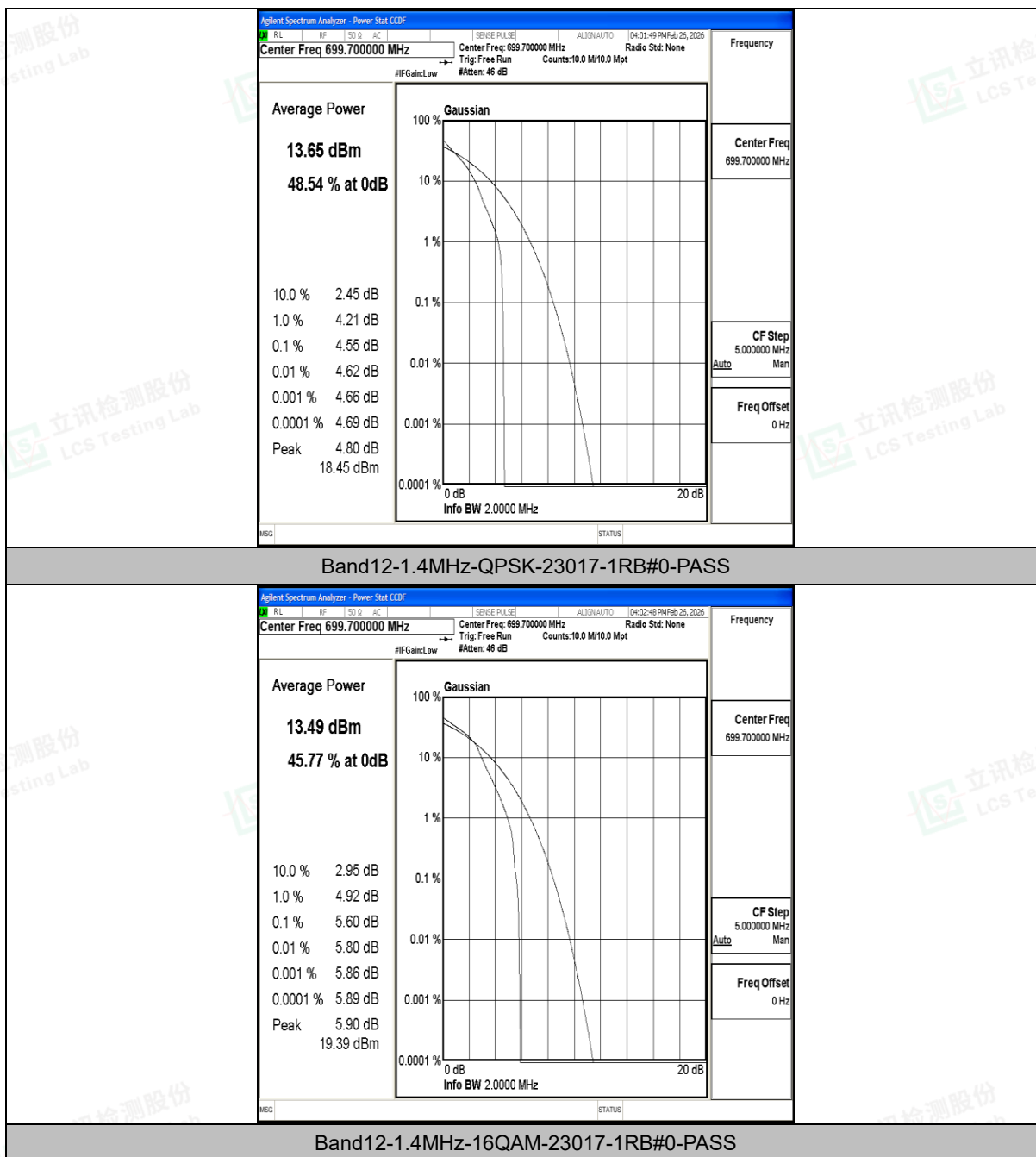
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Test Graphs

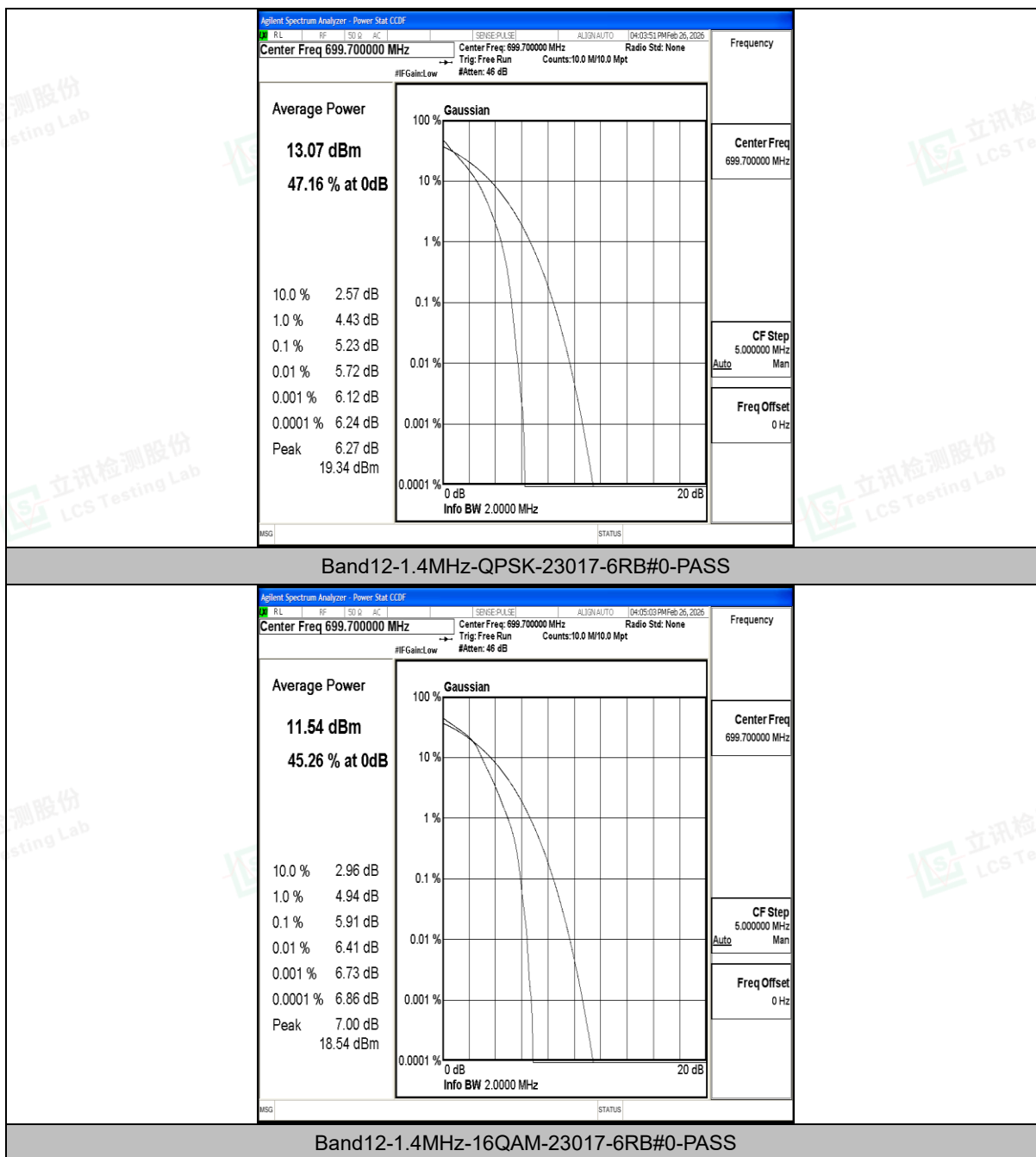


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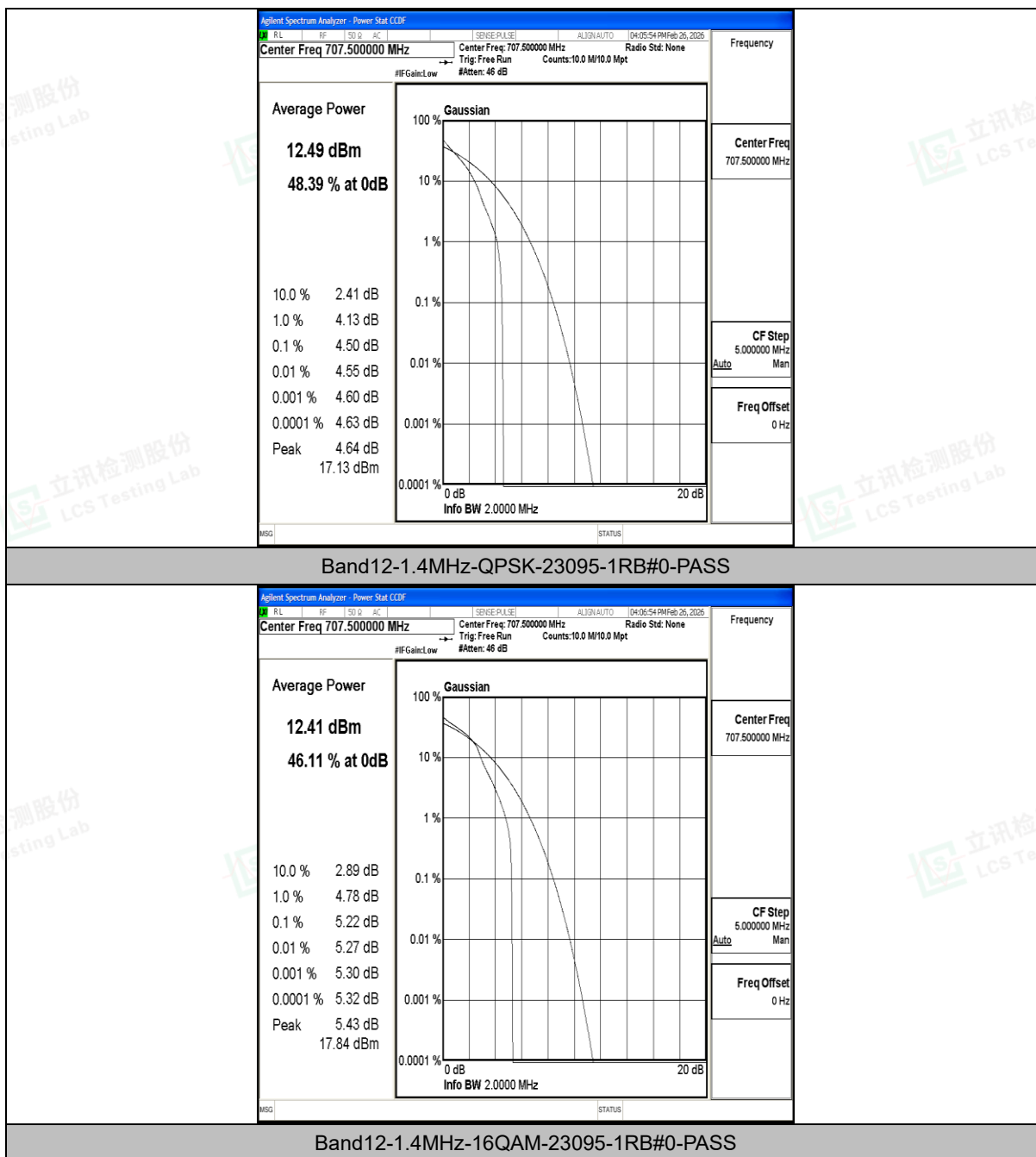


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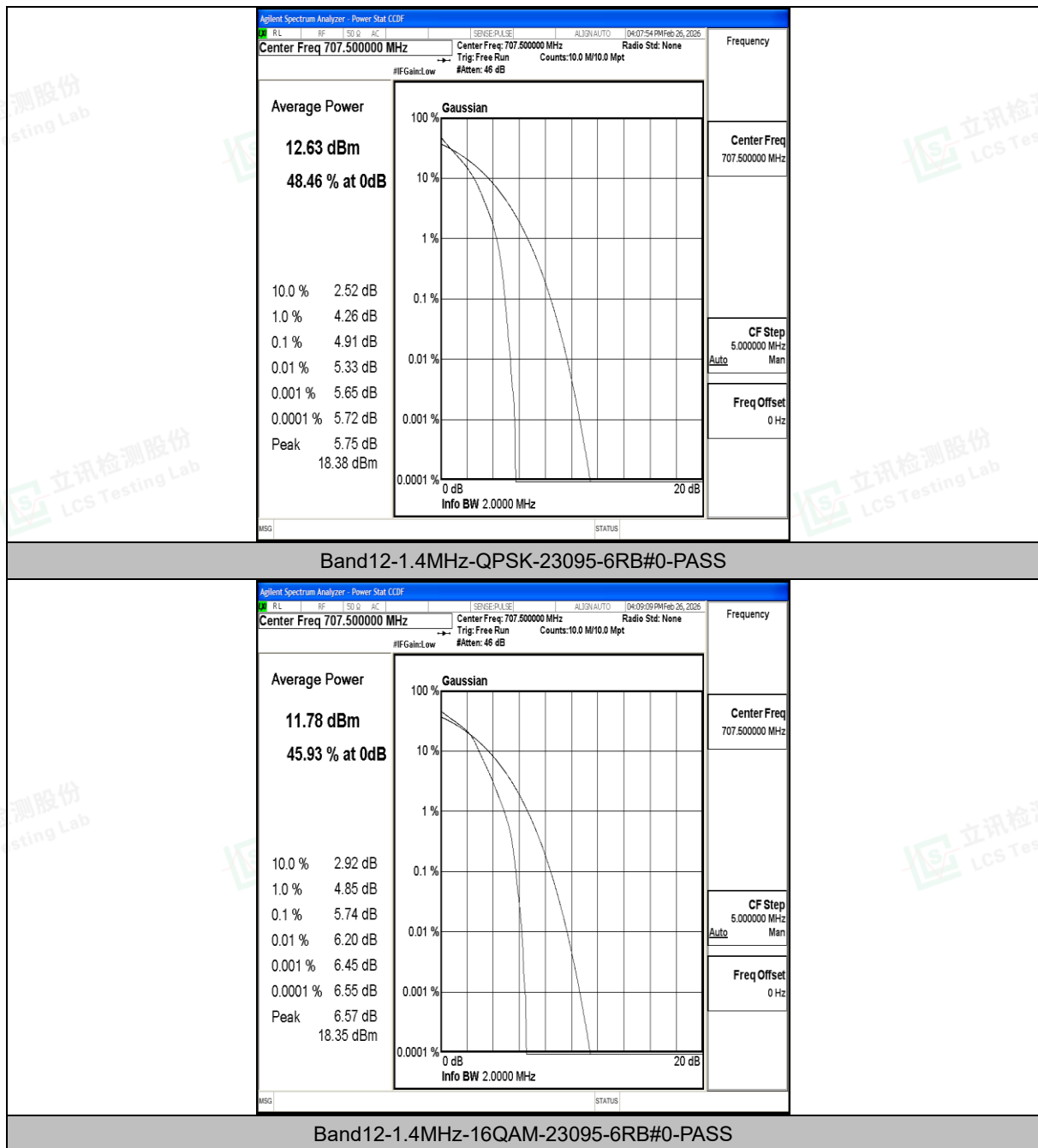


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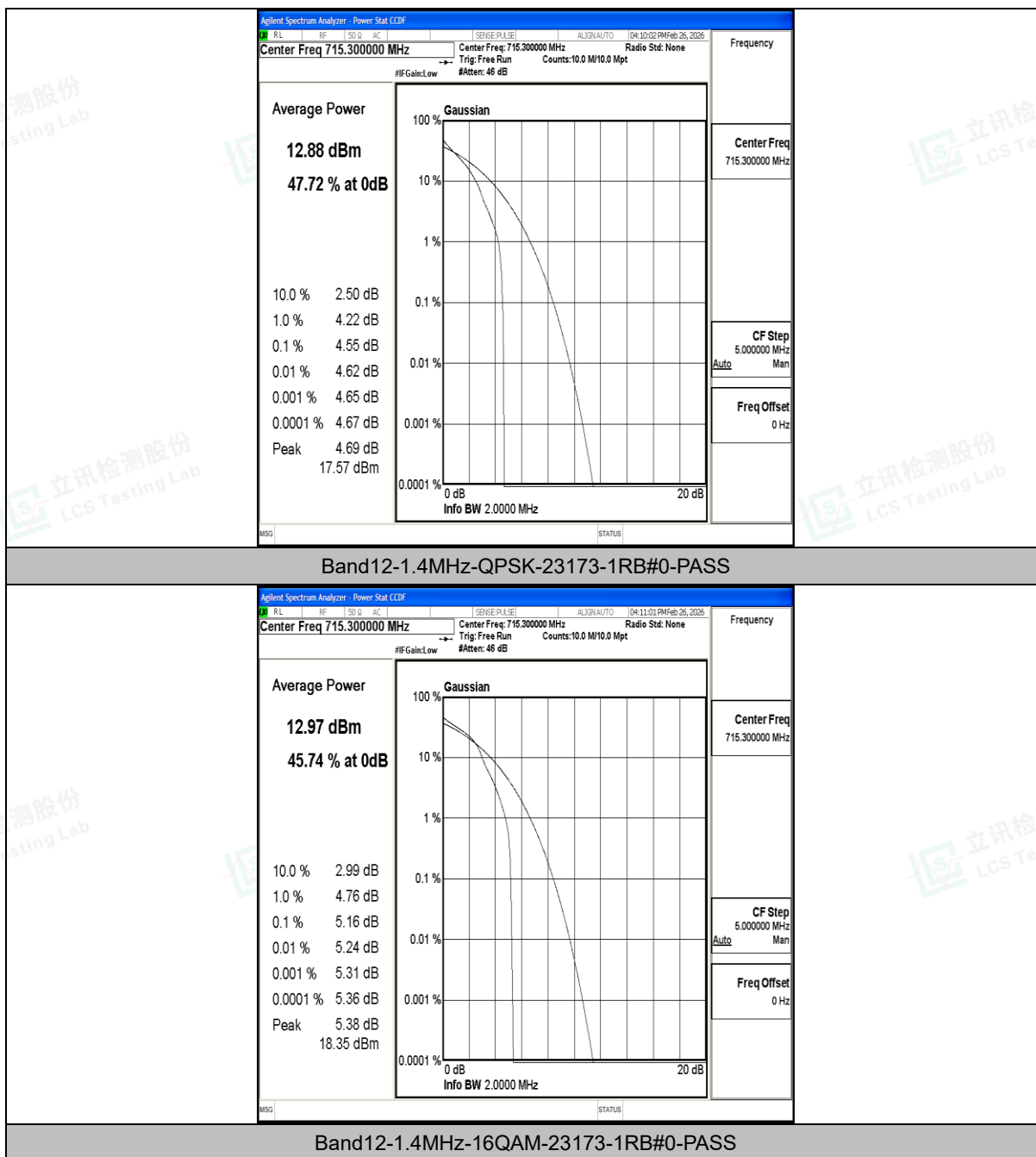


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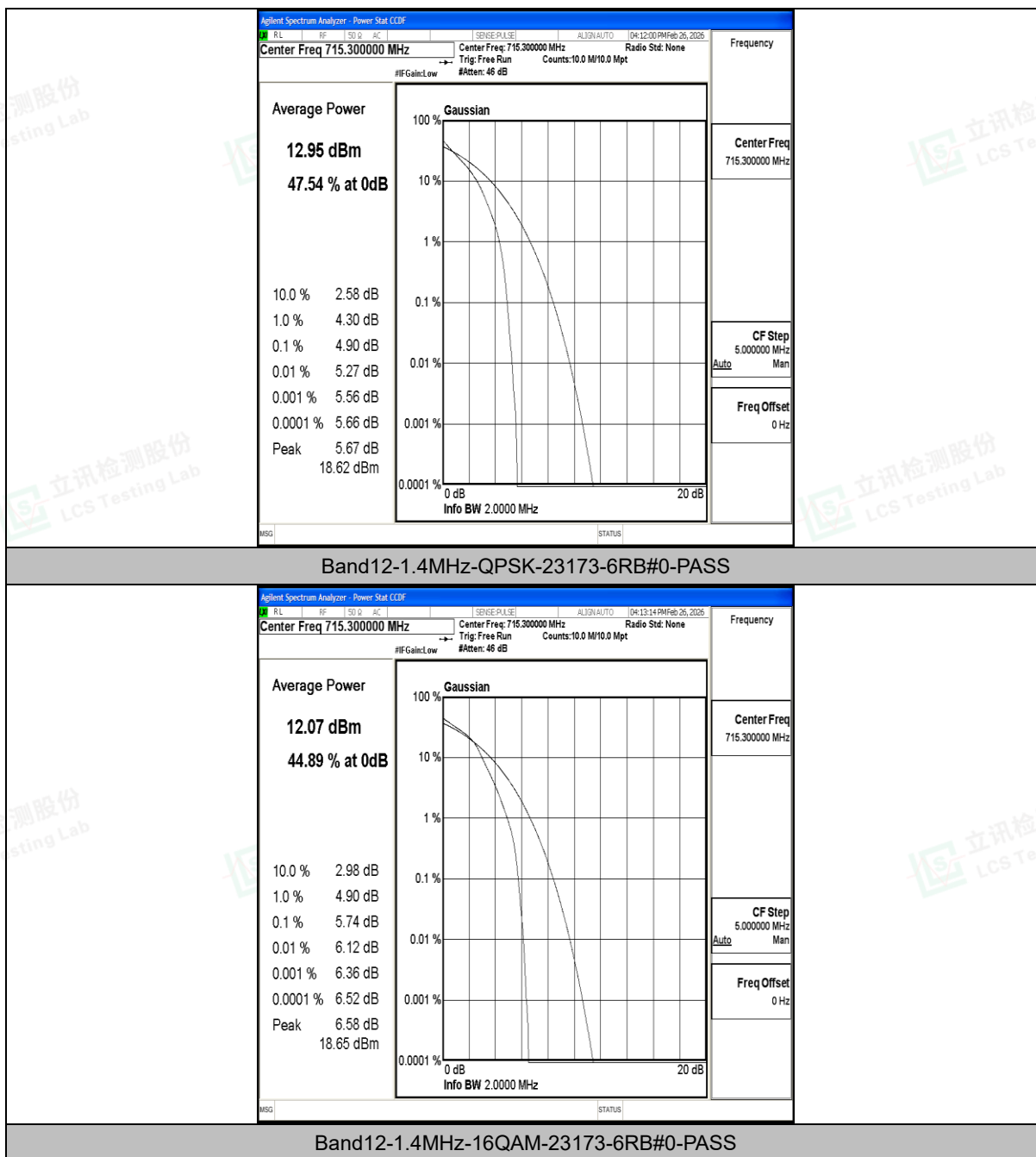


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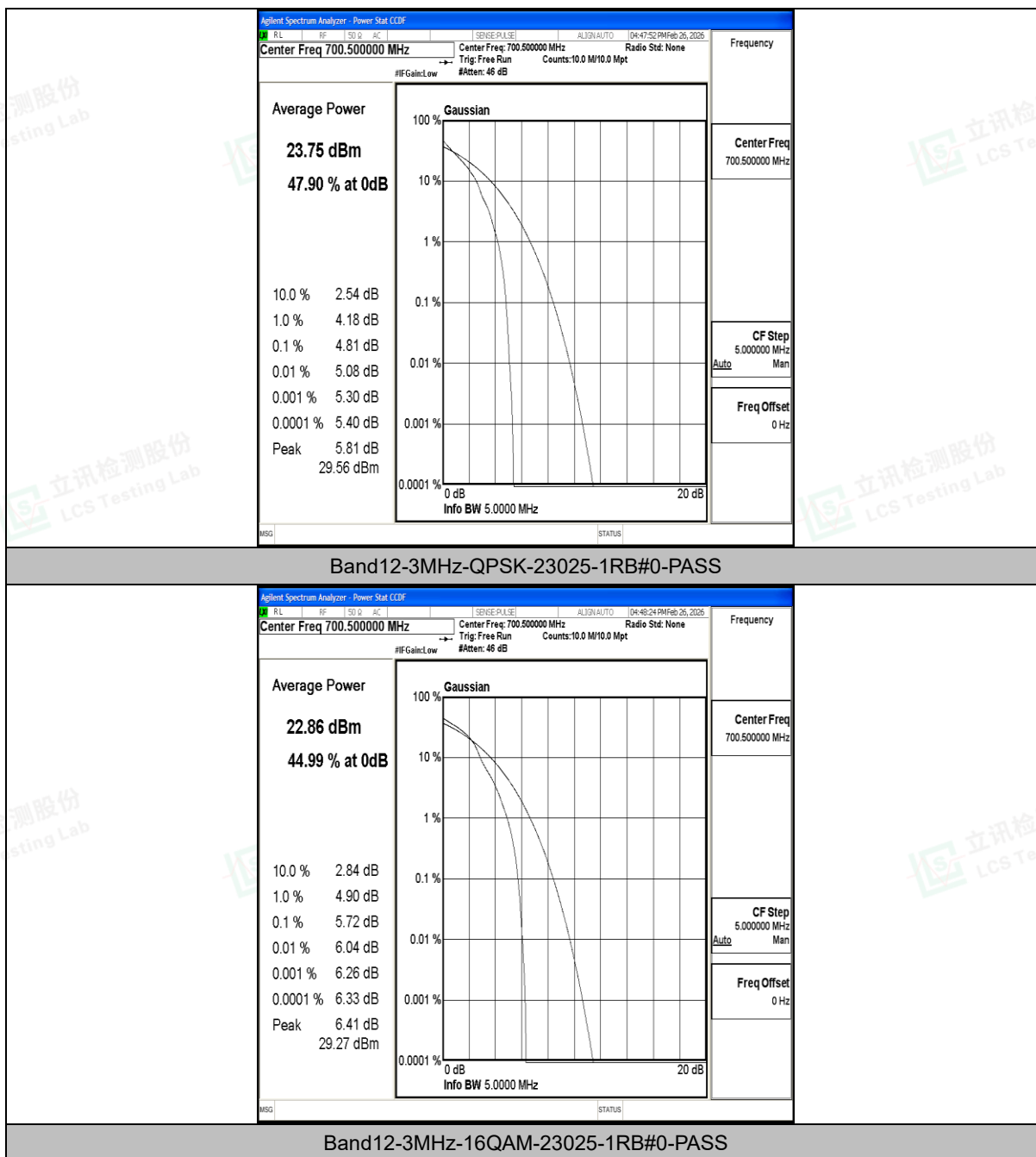


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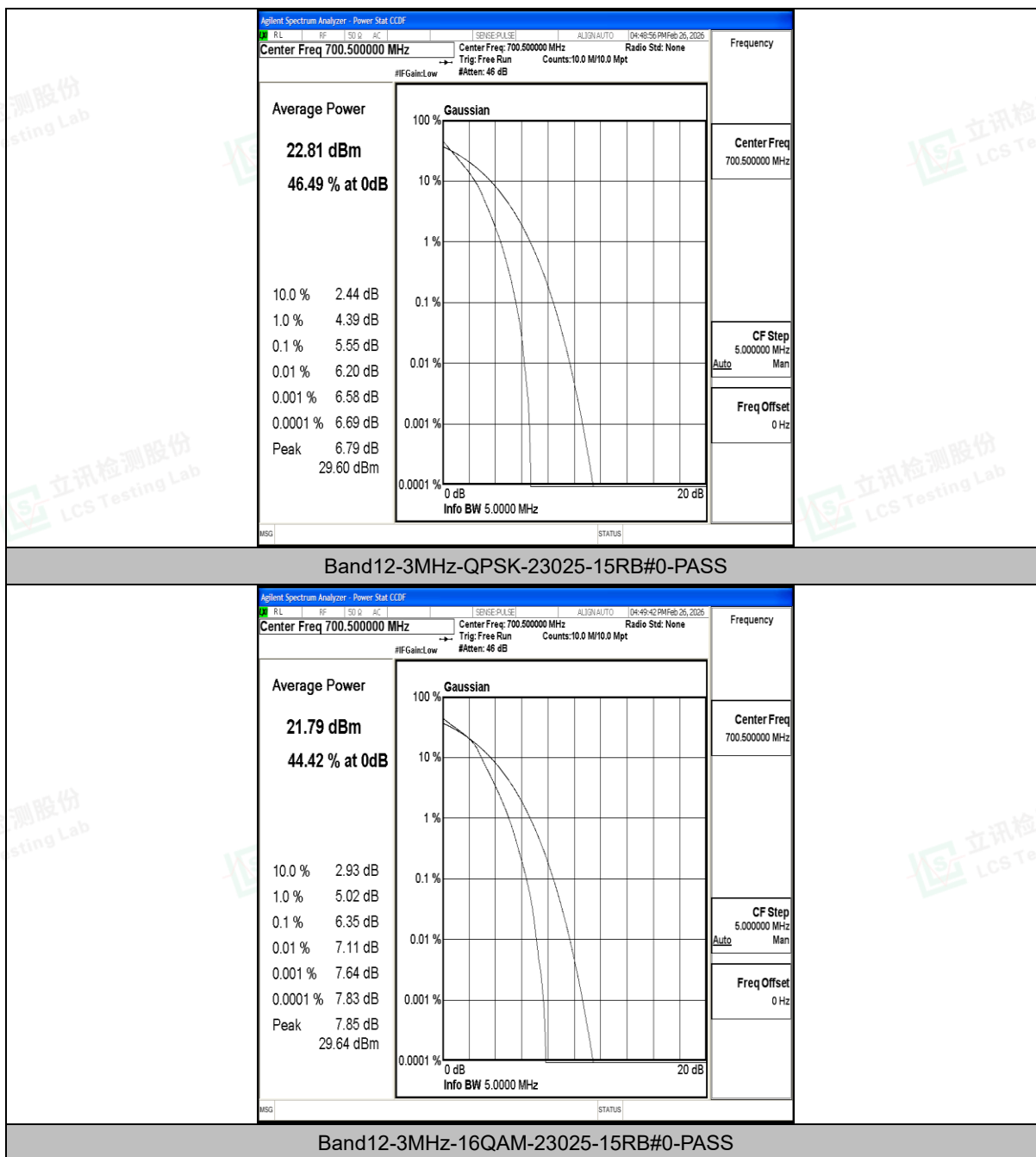


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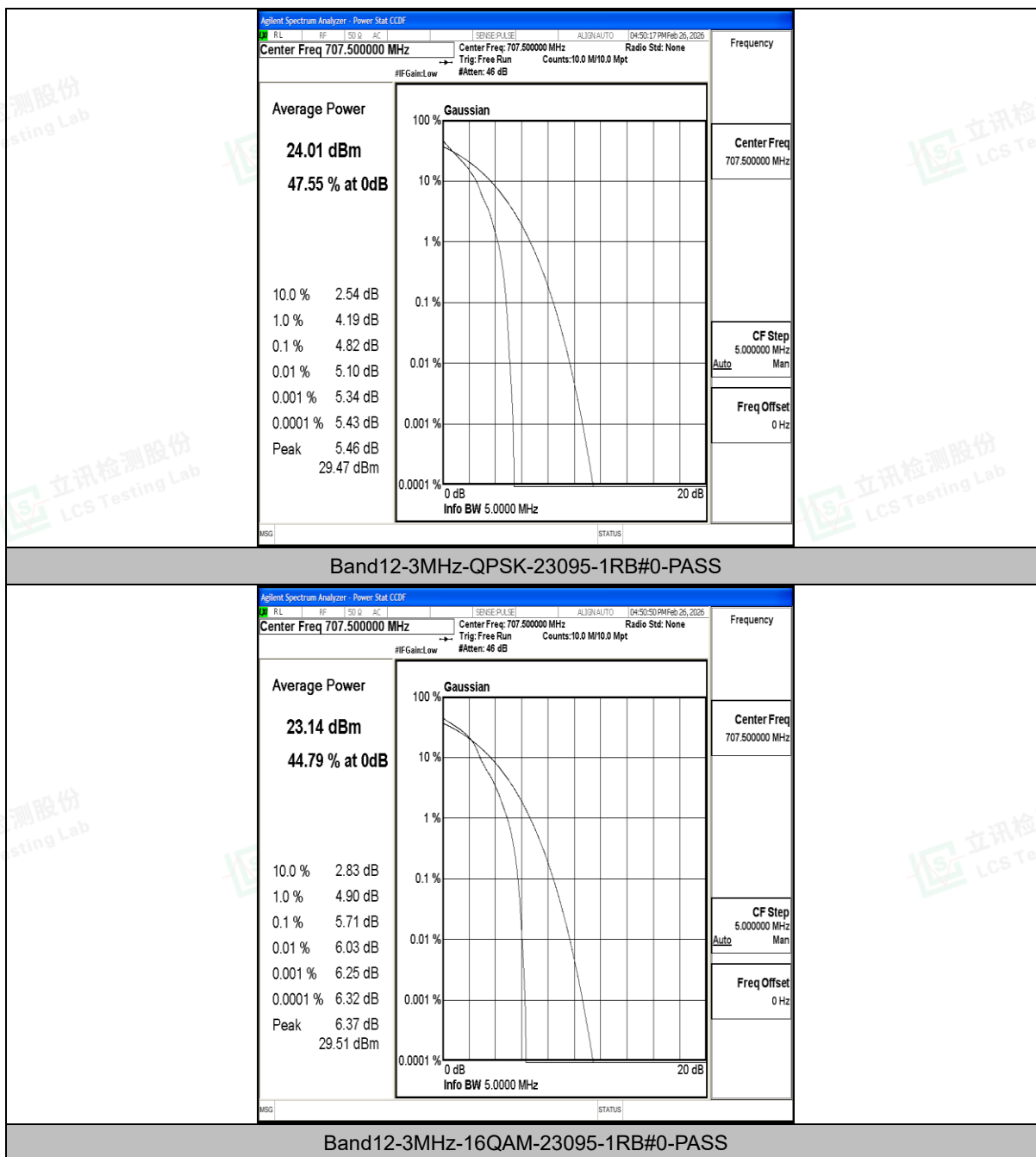


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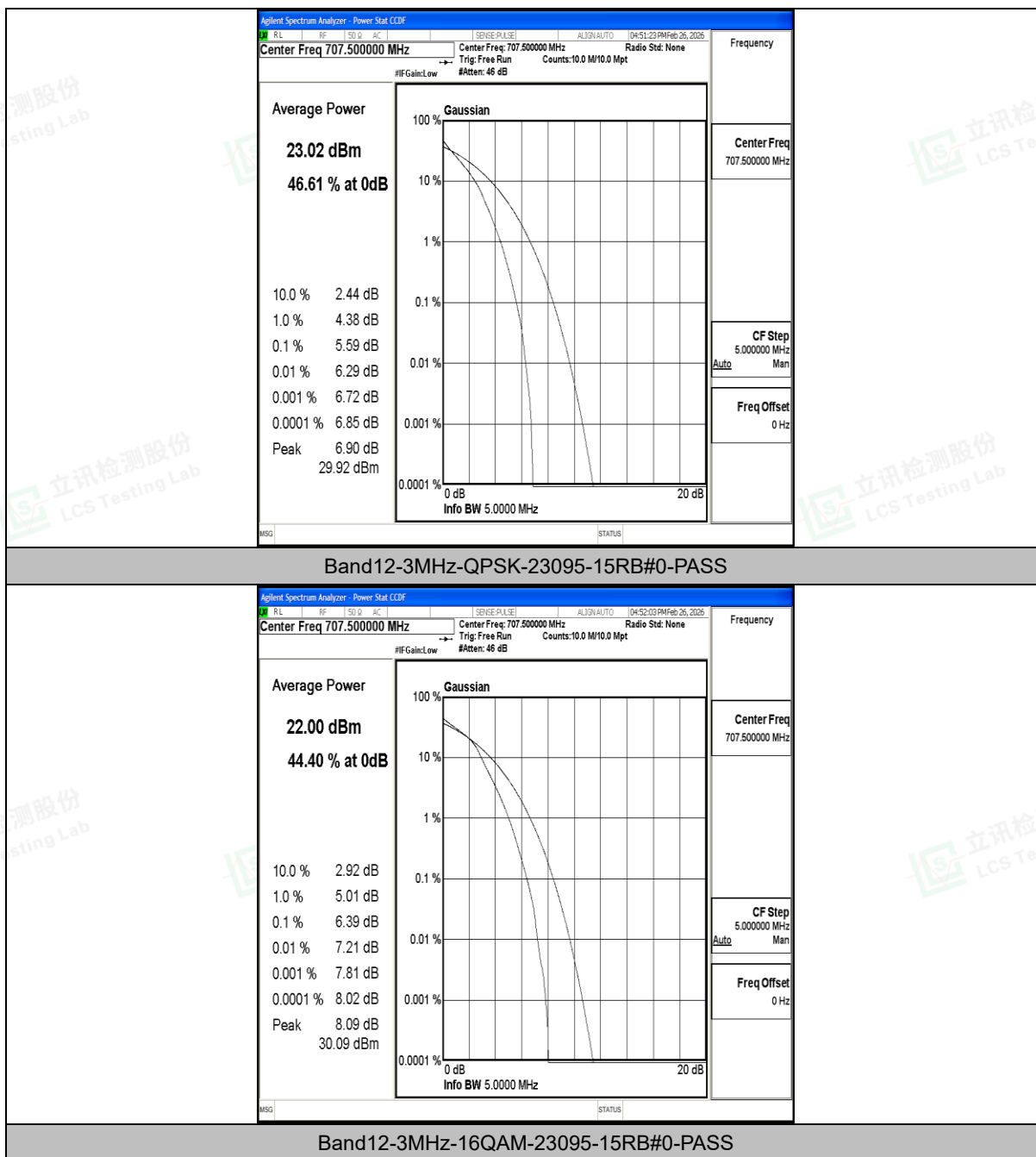


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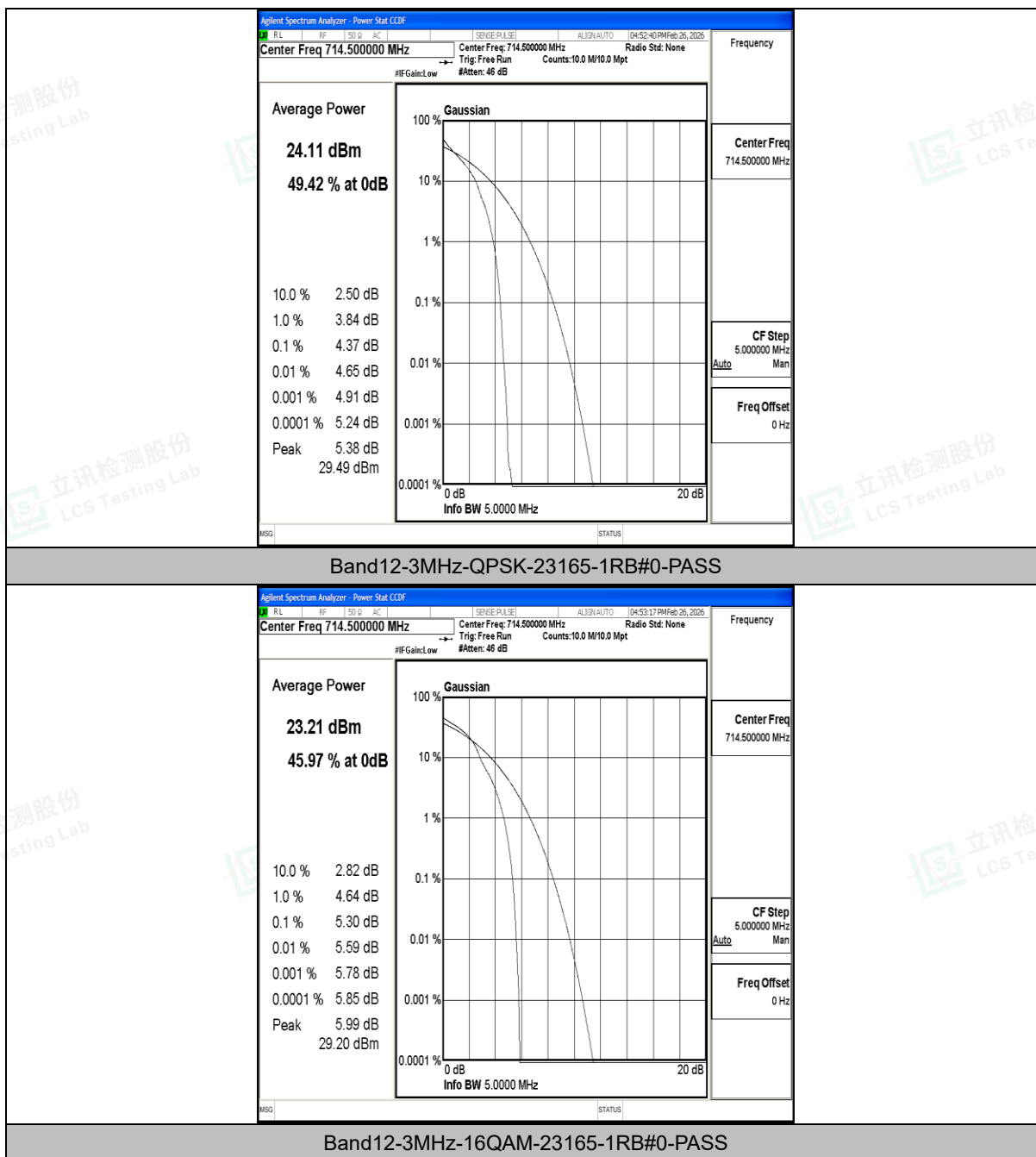


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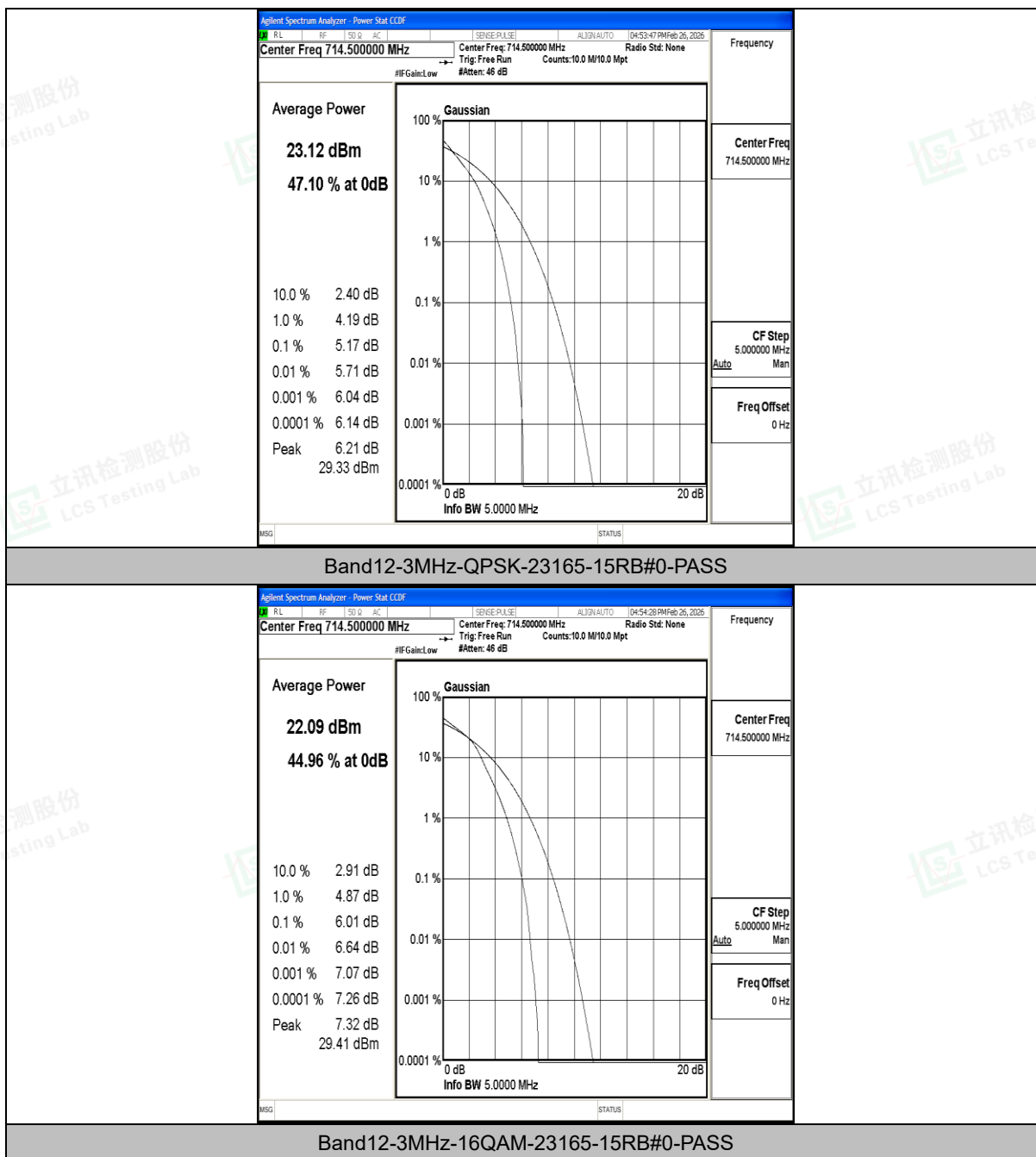


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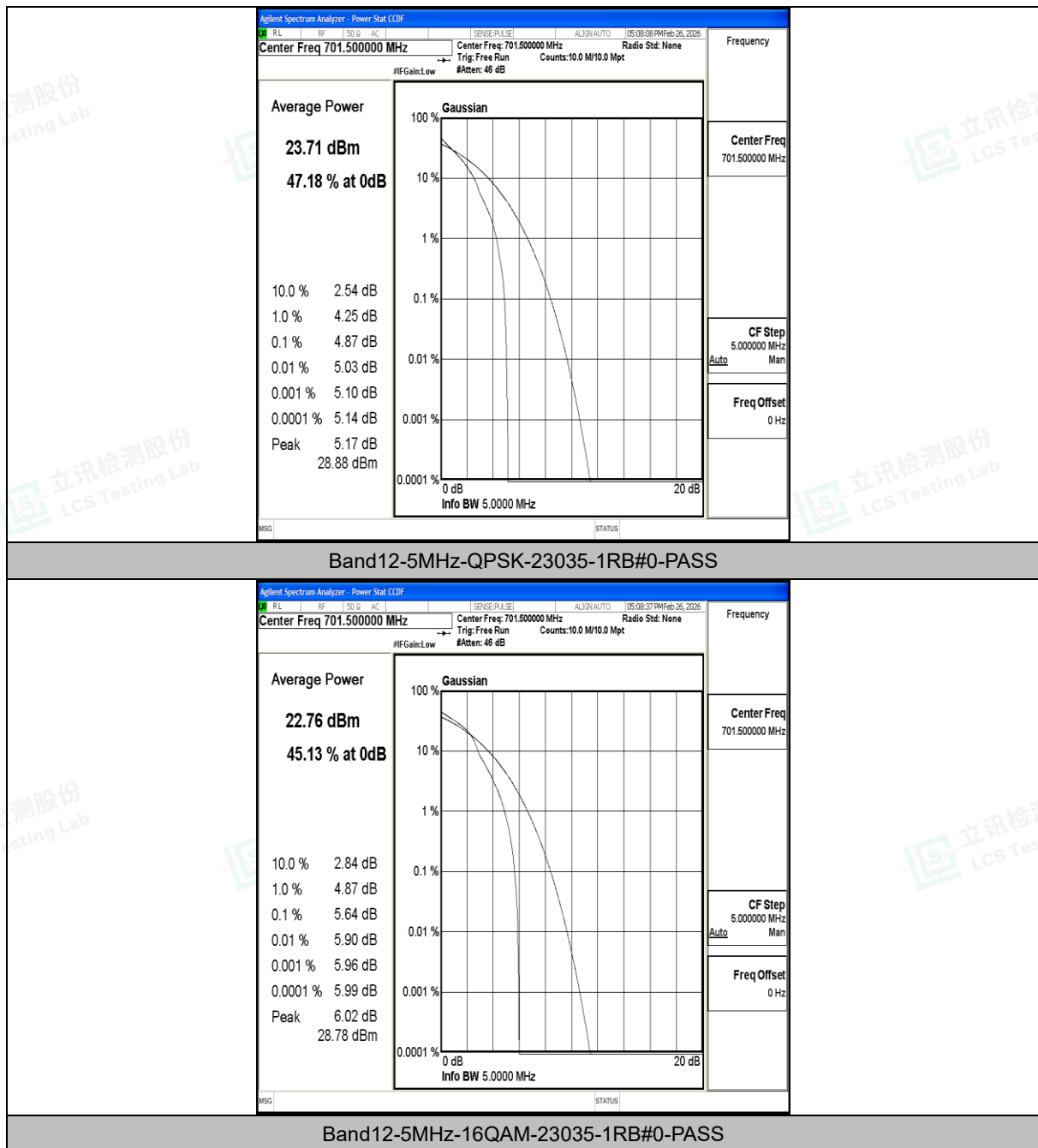


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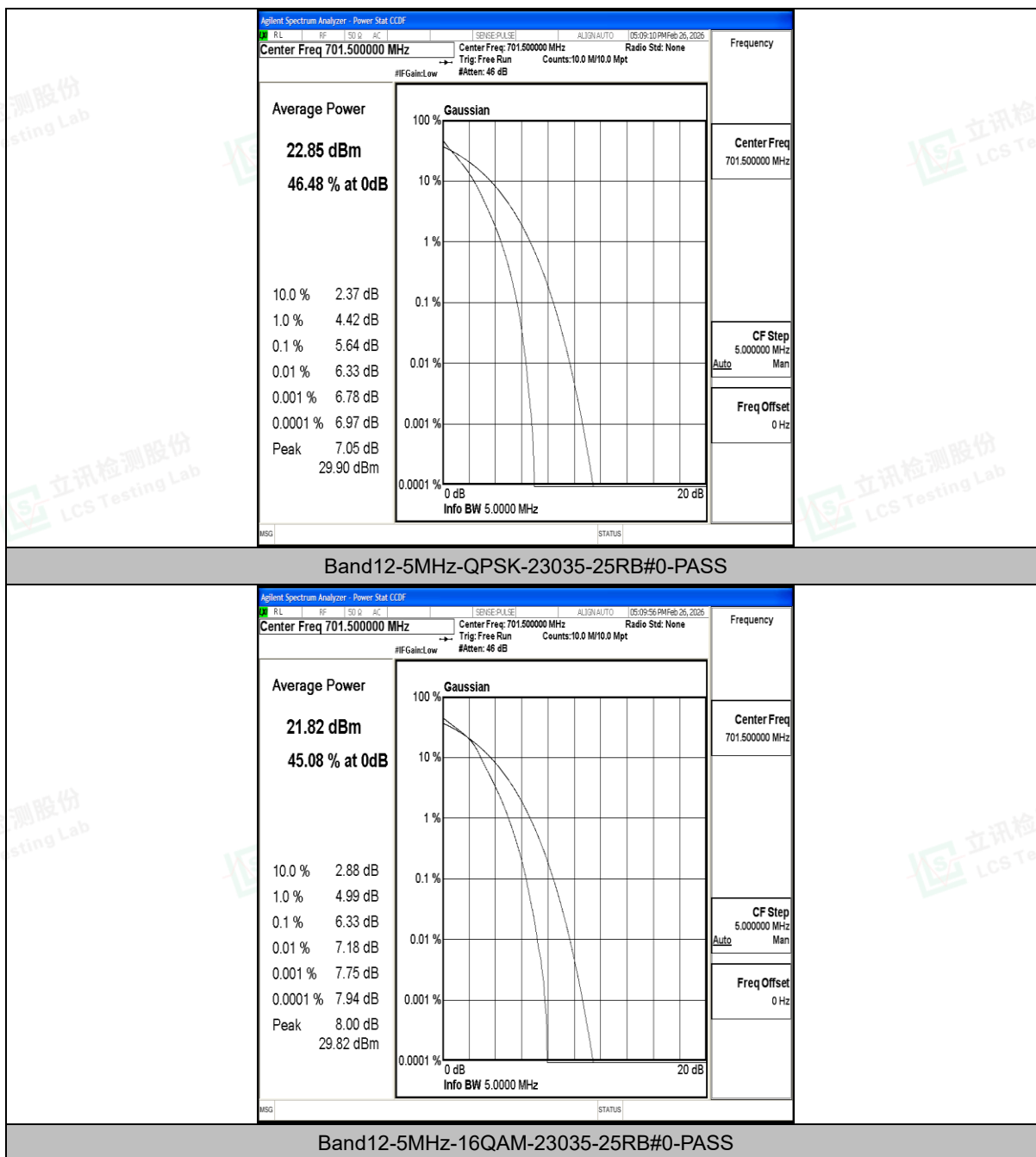


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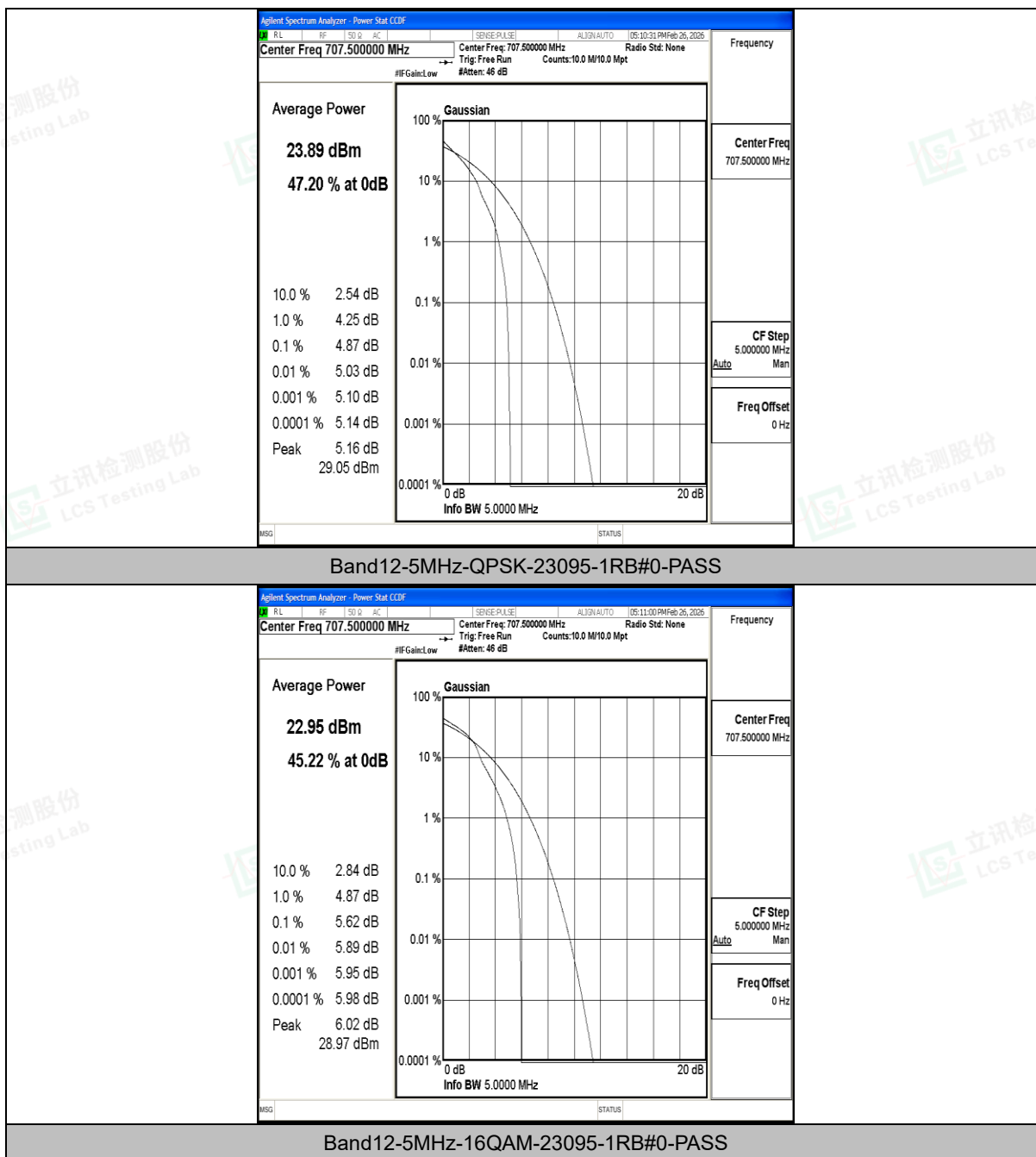


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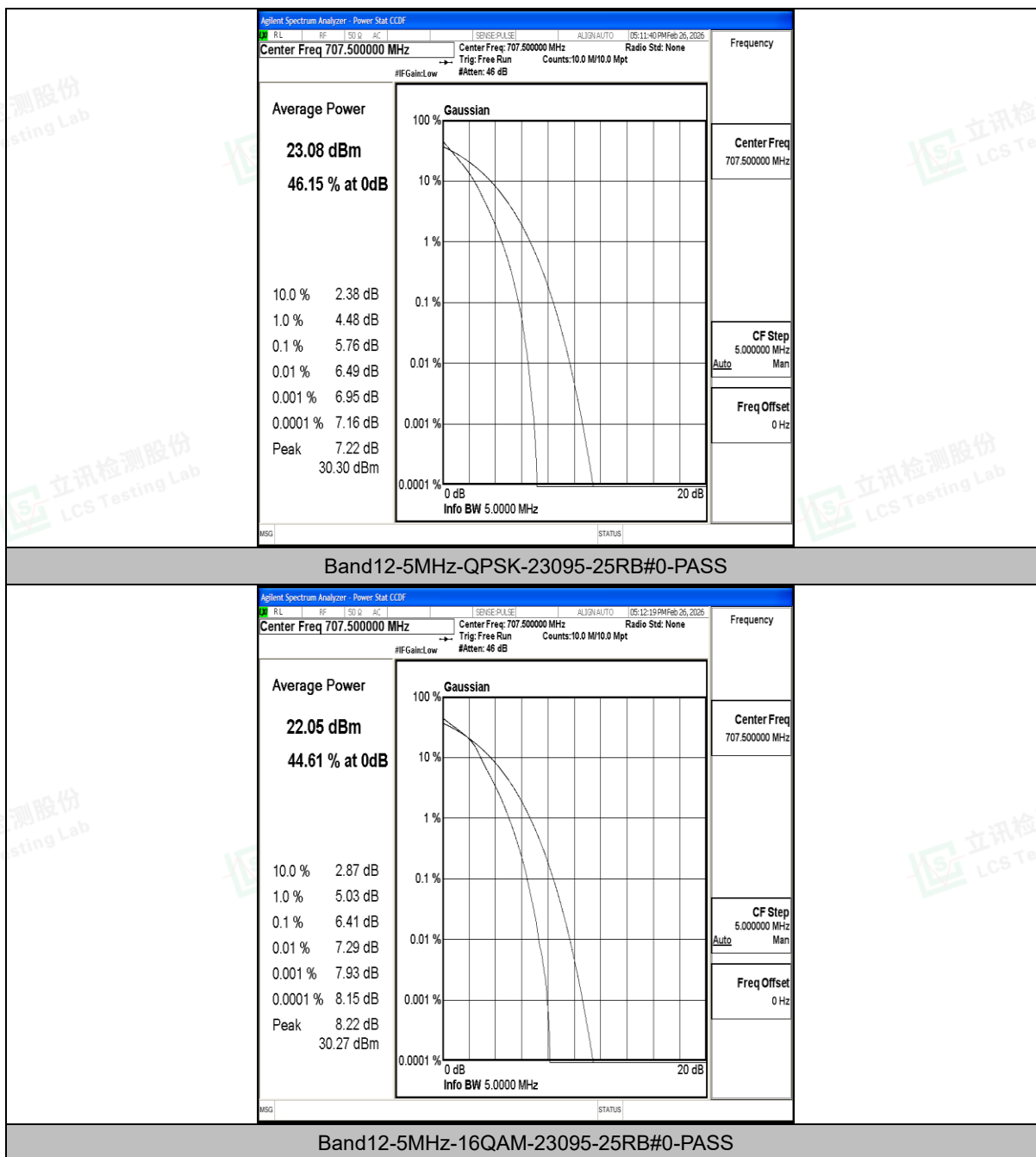


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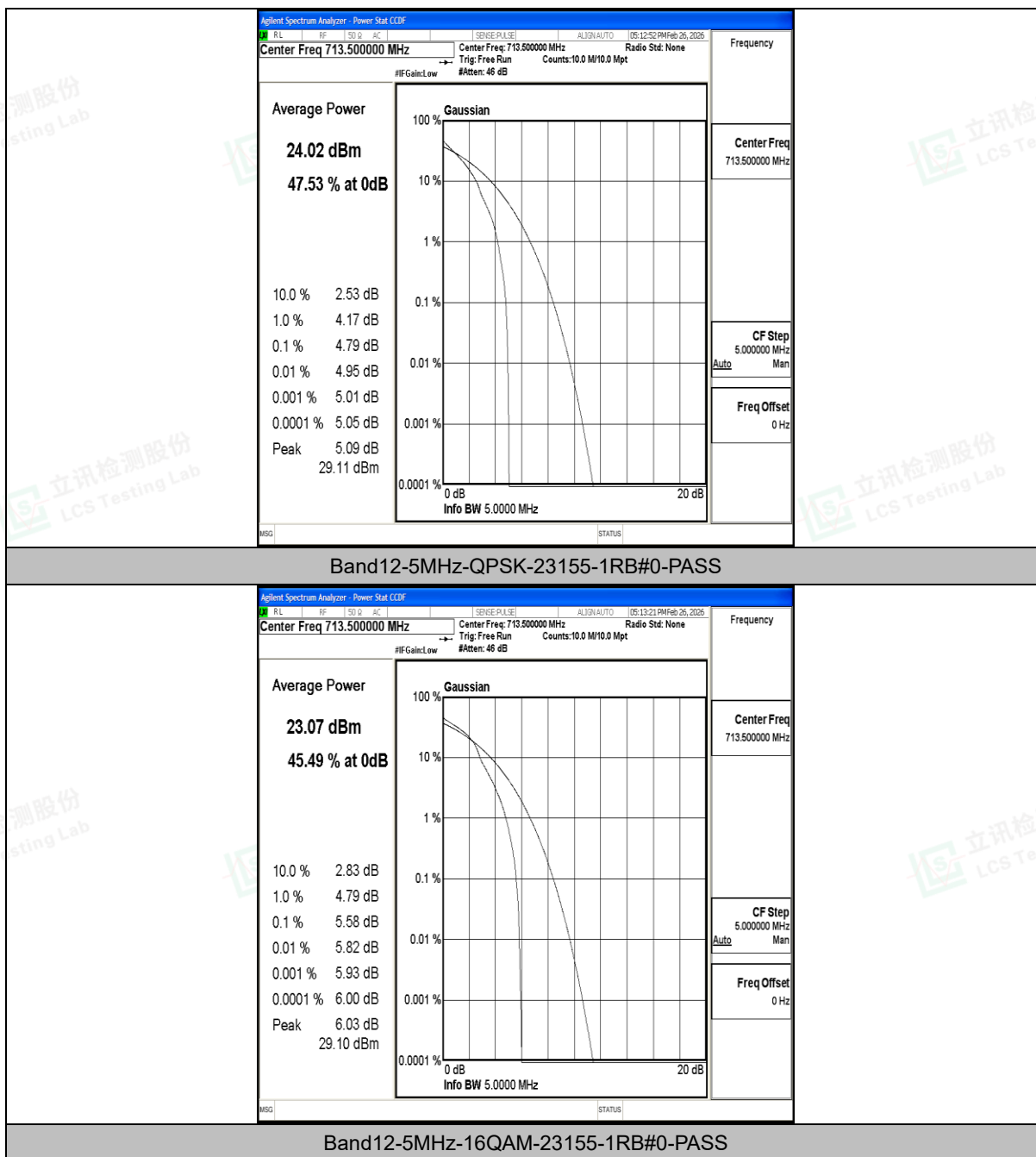


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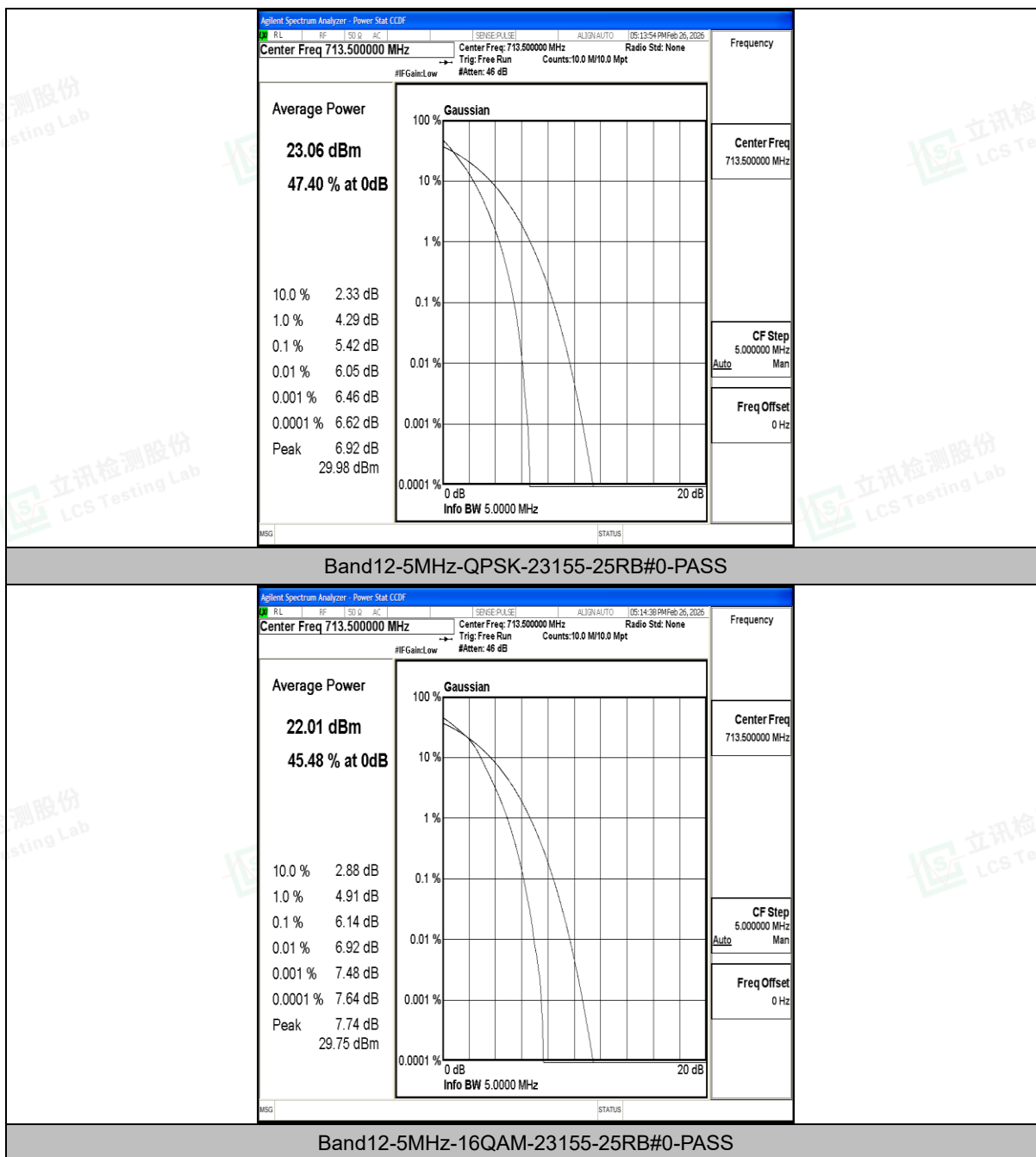


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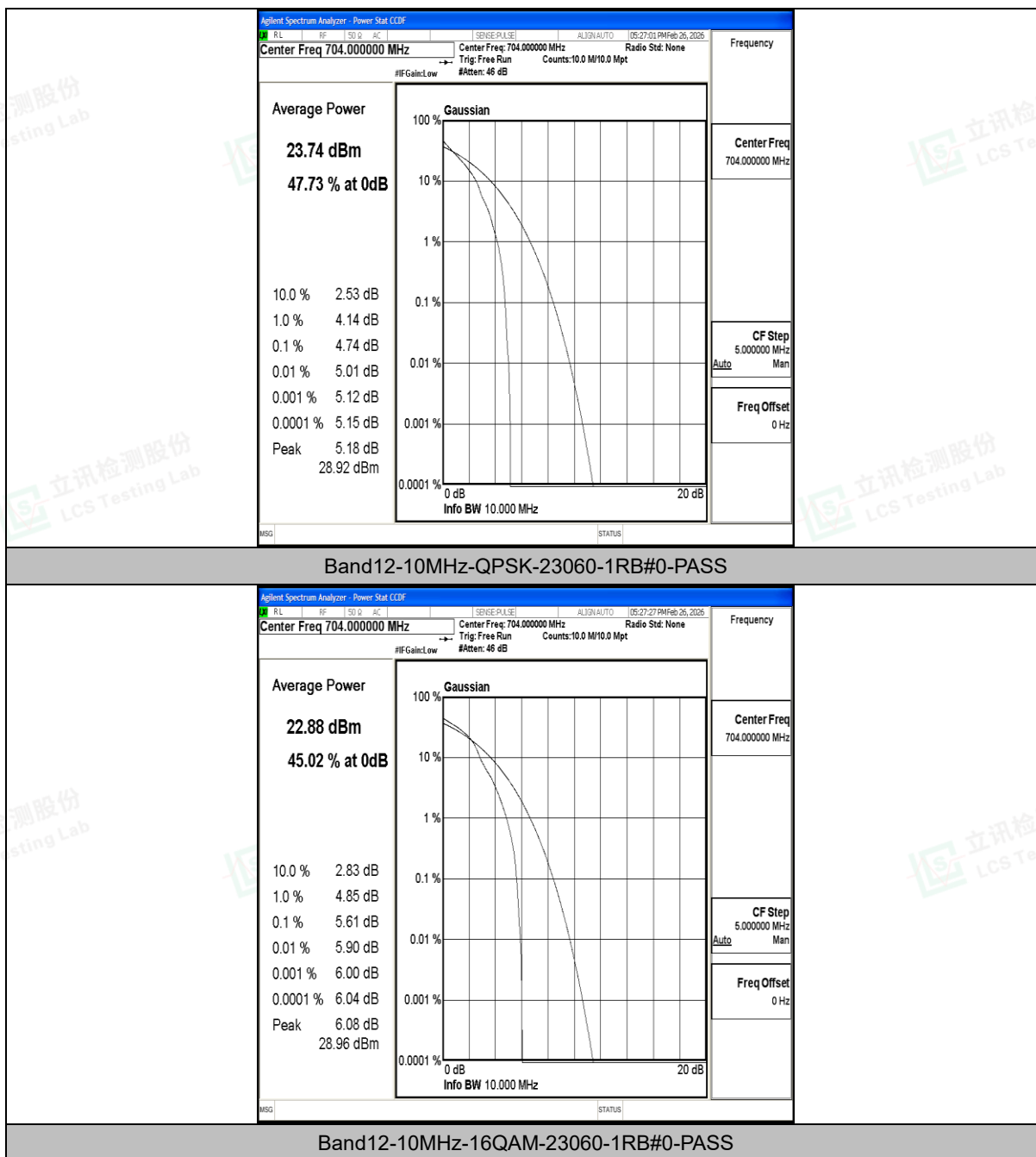


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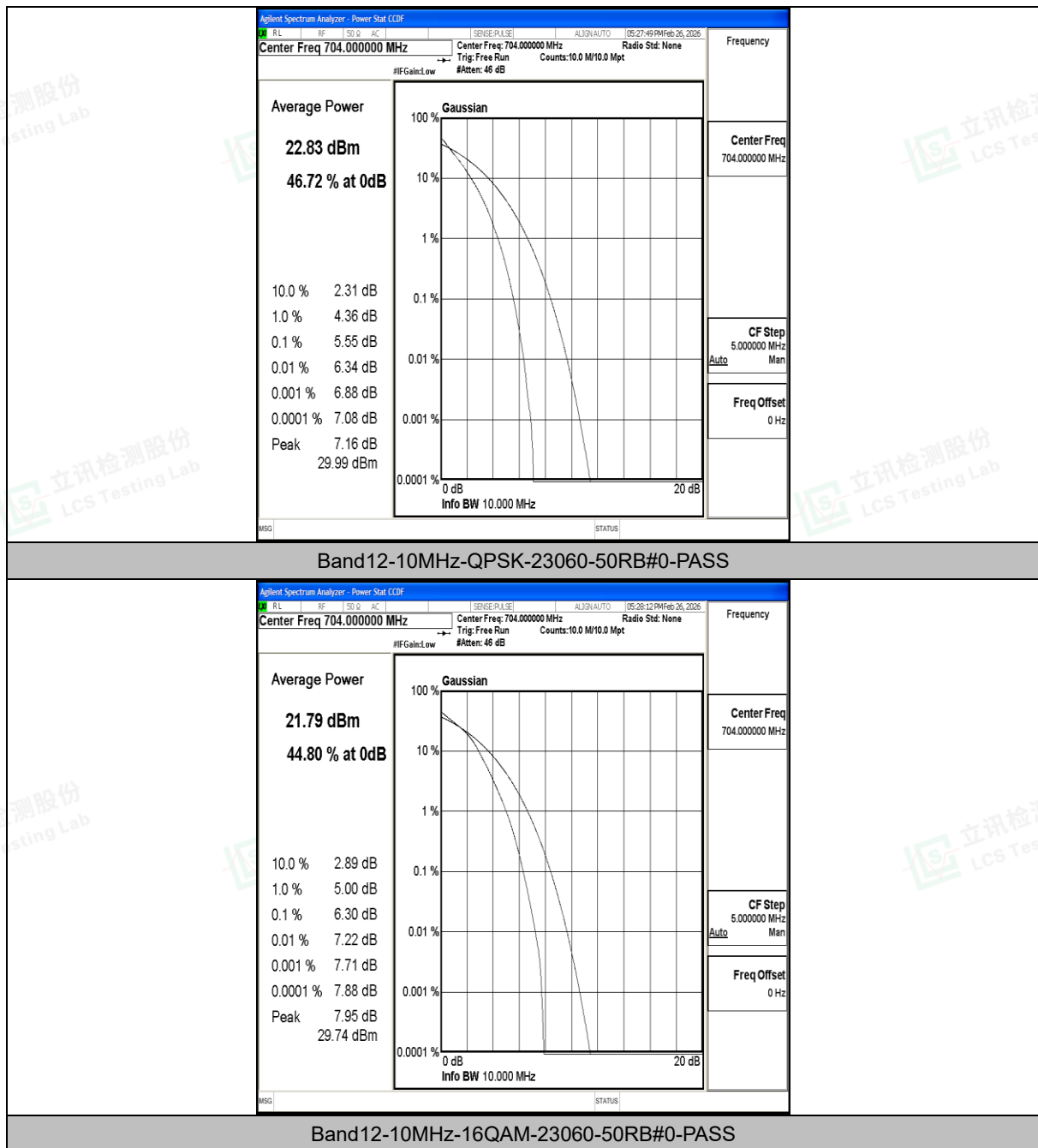


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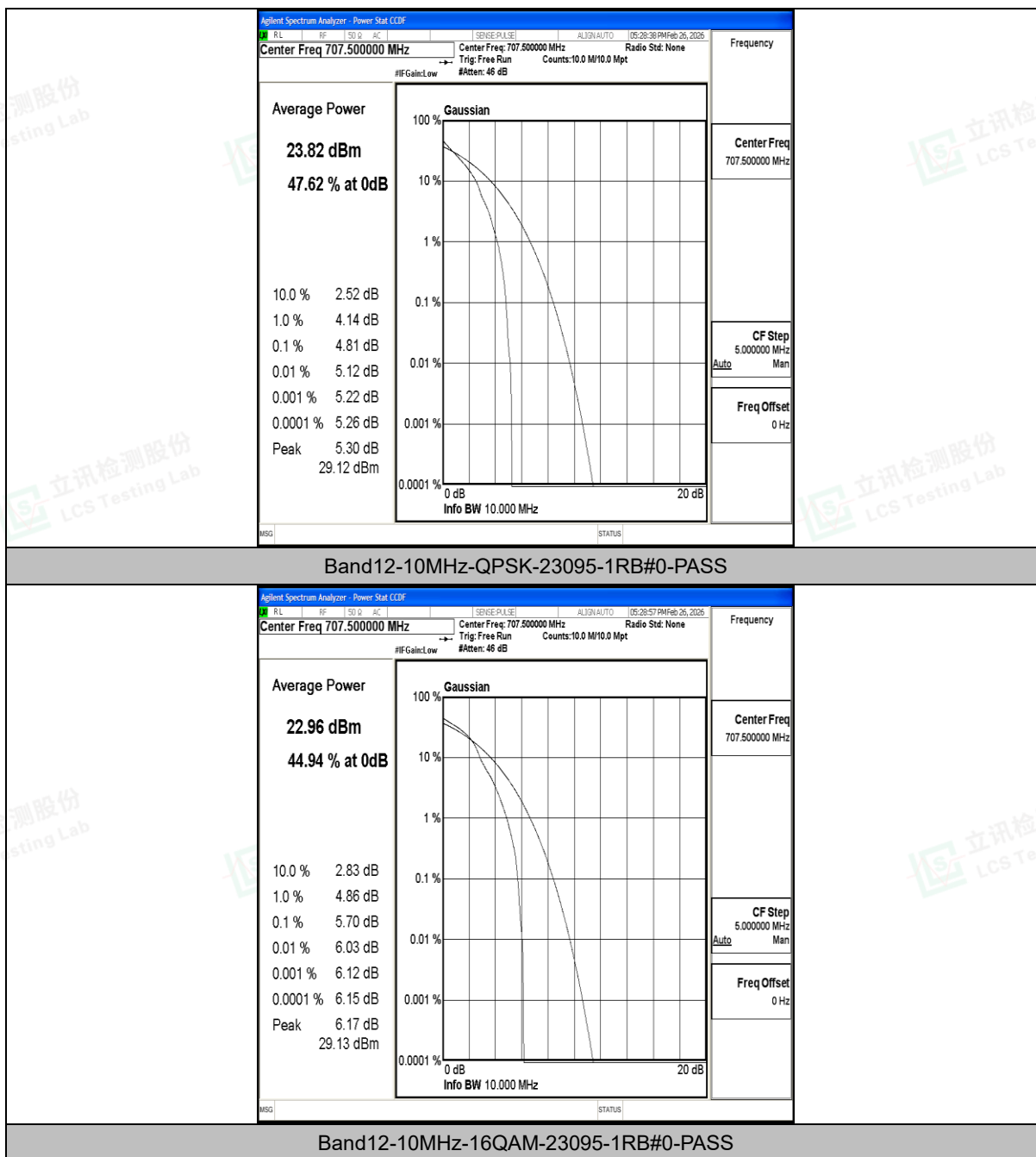


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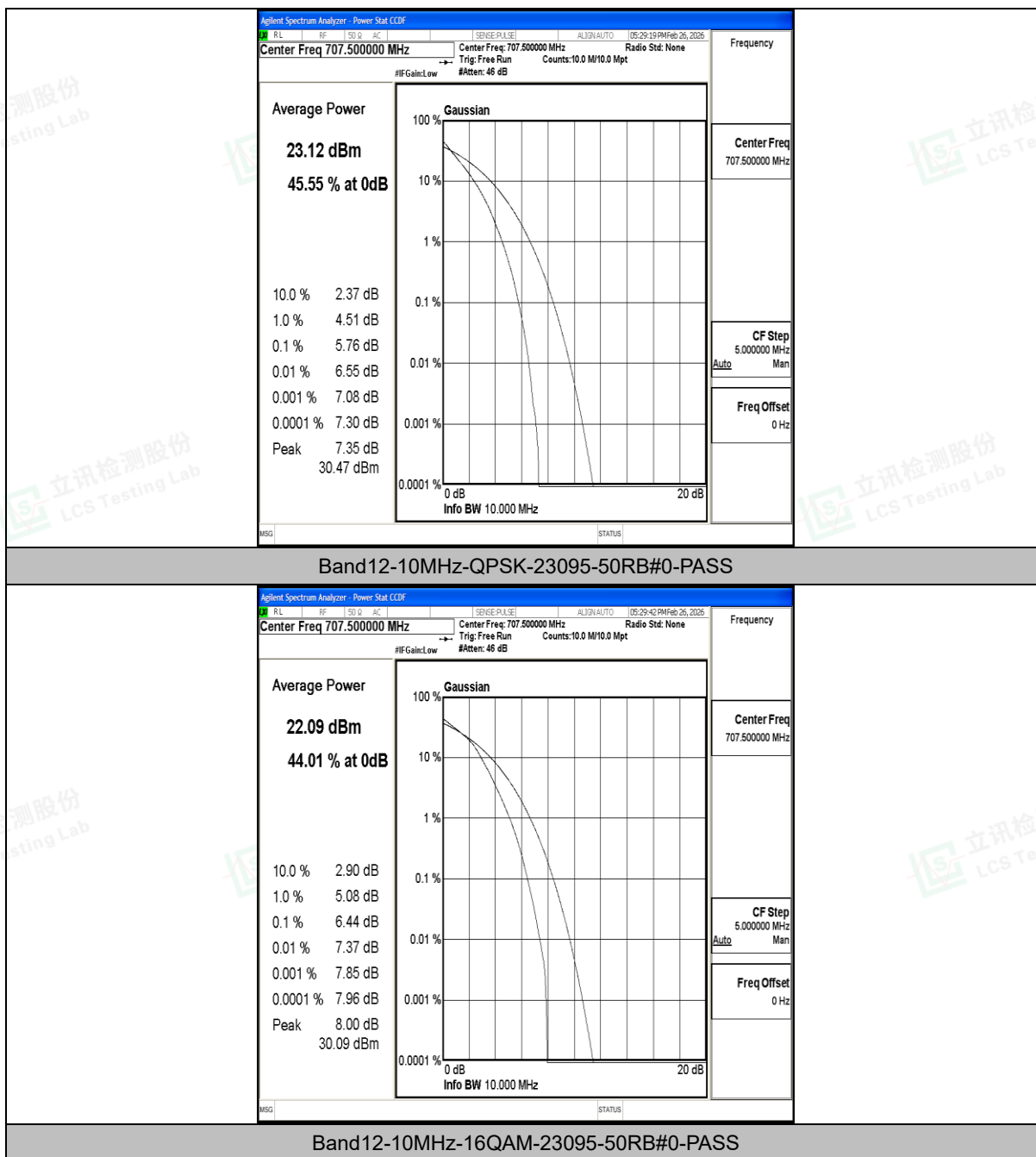


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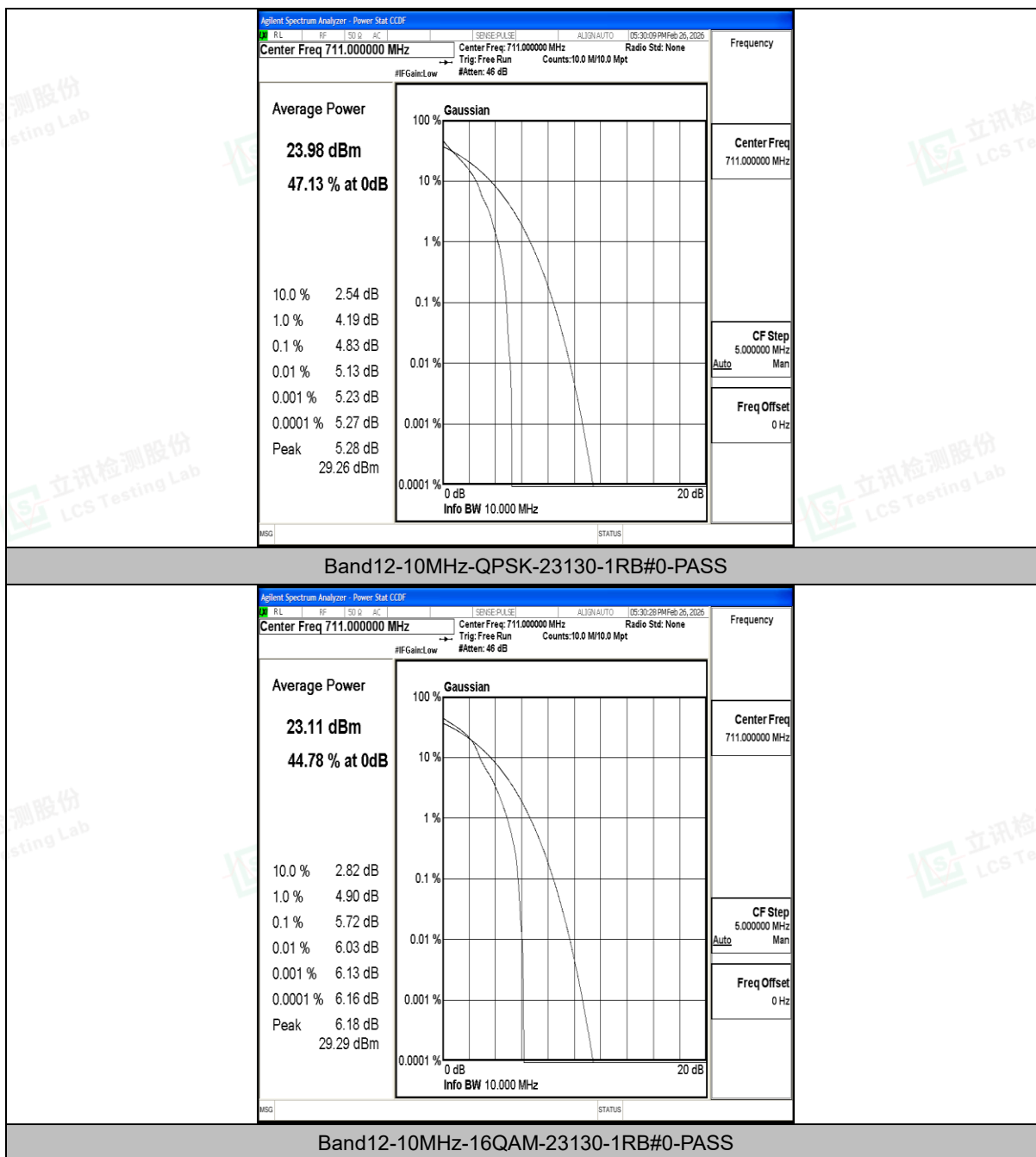


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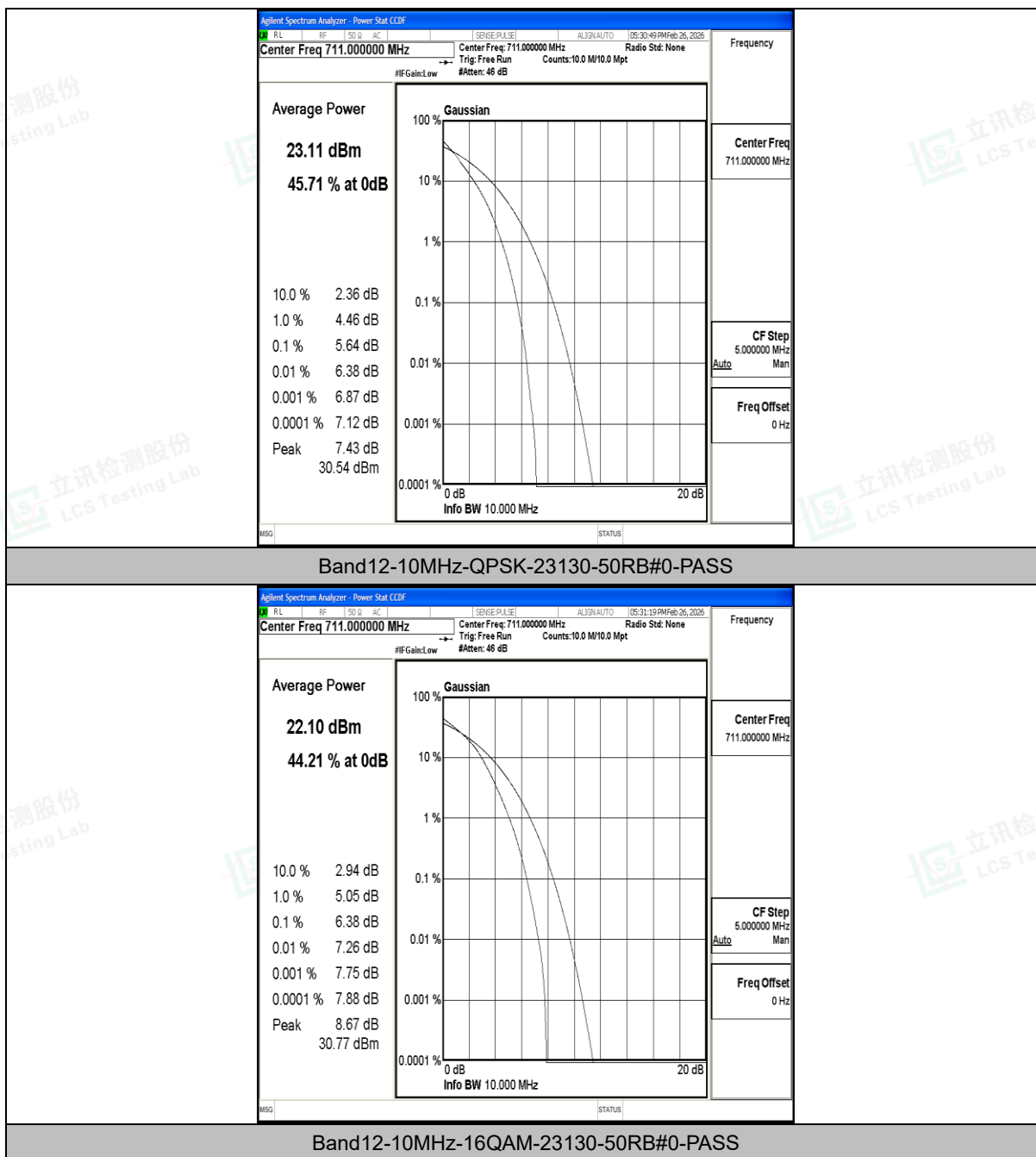


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K.3 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	1.0917	1.285	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	1.0946	1.304	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	1.0890	1.295	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	1.0959	1.296	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	1.0929	1.302	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	1.0979	1.289	PASS
Band12	3MHz	QPSK	23025	15RB#0	2.7326	3.061	PASS
Band12	3MHz	16QAM	23025	15RB#0	2.7282	3.015	PASS
Band12	3MHz	QPSK	23095	15RB#0	2.7337	3.056	PASS
Band12	3MHz	16QAM	23095	15RB#0	2.7280	3.034	PASS
Band12	3MHz	QPSK	23165	15RB#0	2.7252	3.048	PASS
Band12	3MHz	16QAM	23165	15RB#0	2.7230	3.007	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.5226	5.241	PASS
Band12	5MHz	16QAM	23035	25RB#0	4.5279	5.177	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.5322	5.648	PASS
Band12	5MHz	16QAM	23095	25RB#0	4.5285	5.568	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.5131	5.133	PASS
Band12	5MHz	16QAM	23155	25RB#0	4.5019	5.138	PASS
Band12	10MHz	QPSK	23060	50RB#0	9.0055	10.12	PASS
Band12	10MHz	16QAM	23060	50RB#0	8.9744	10.07	PASS
Band12	10MHz	QPSK	23095	50RB#0	9.0263	10.16	PASS
Band12	10MHz	16QAM	23095	50RB#0	9.0411	10.11	PASS
Band12	10MHz	QPSK	23130	50RB#0	8.9946	10.06	PASS
Band12	10MHz	16QAM	23130	50RB#0	9.0021	10.01	PASS



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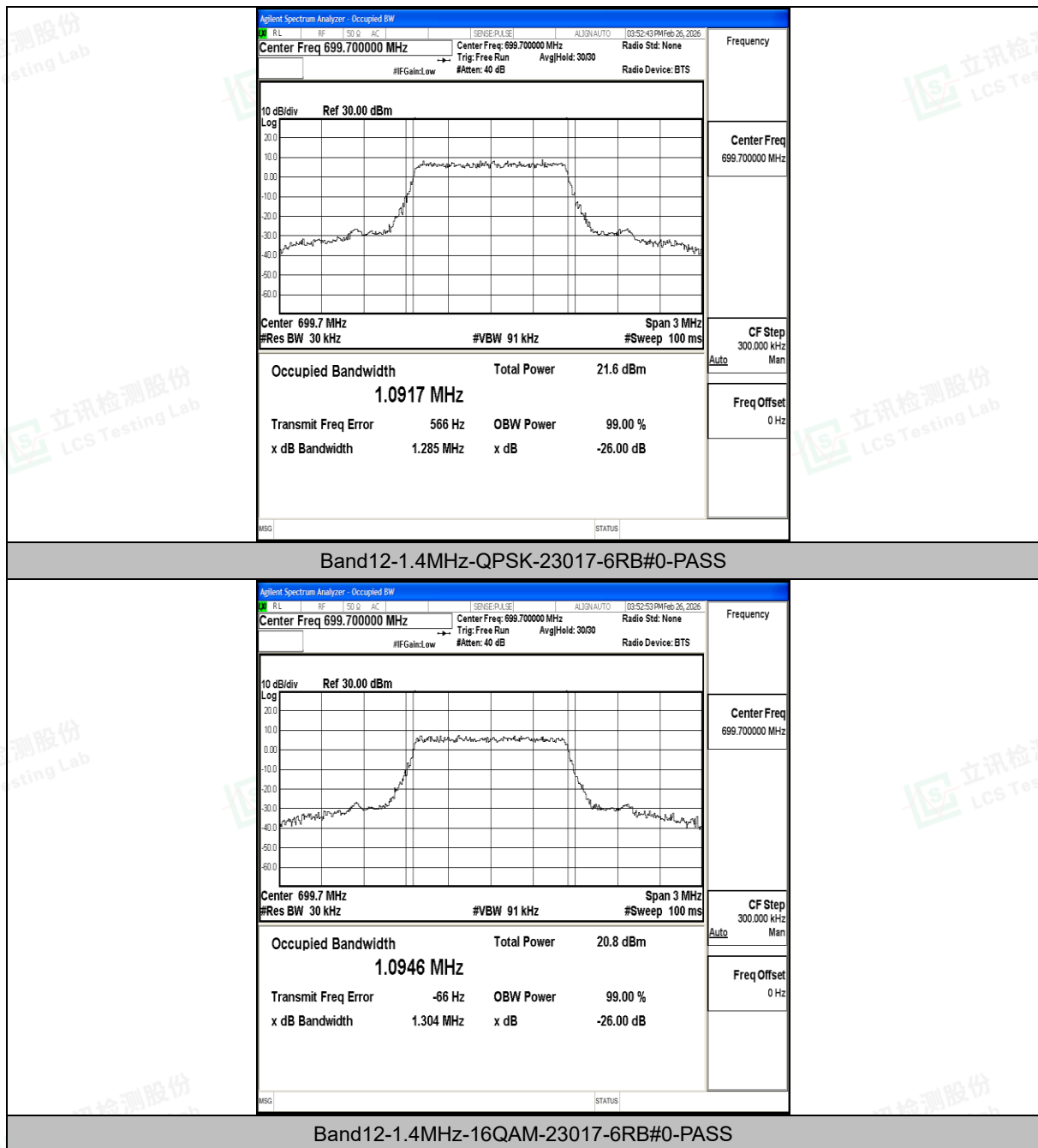
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Test Graphs

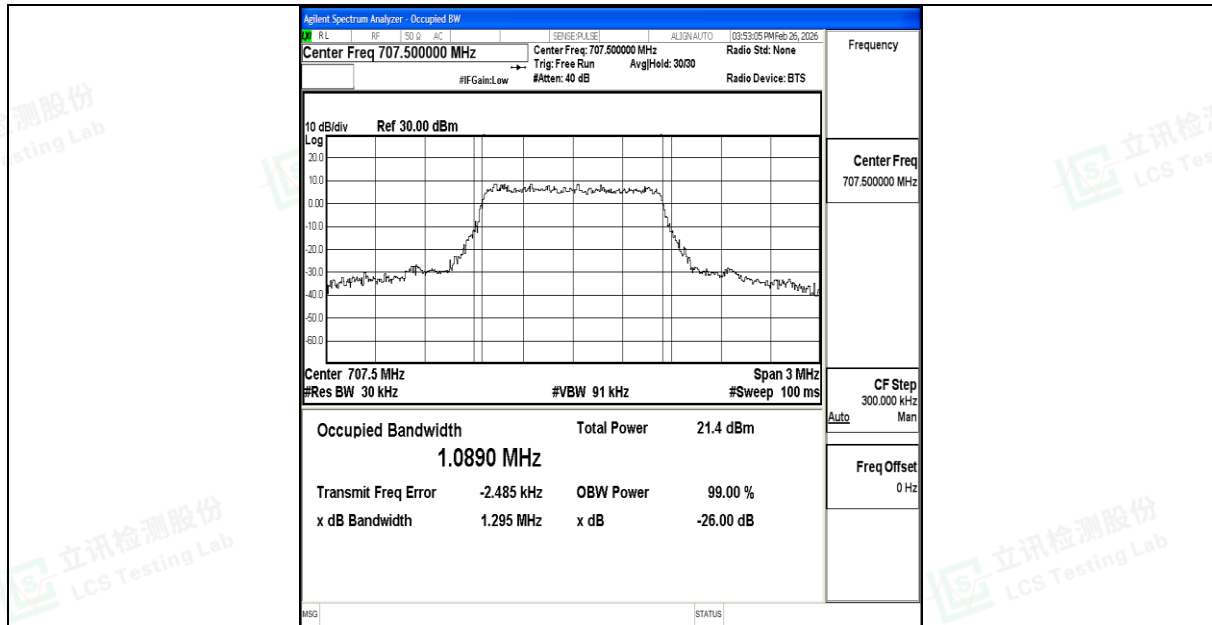


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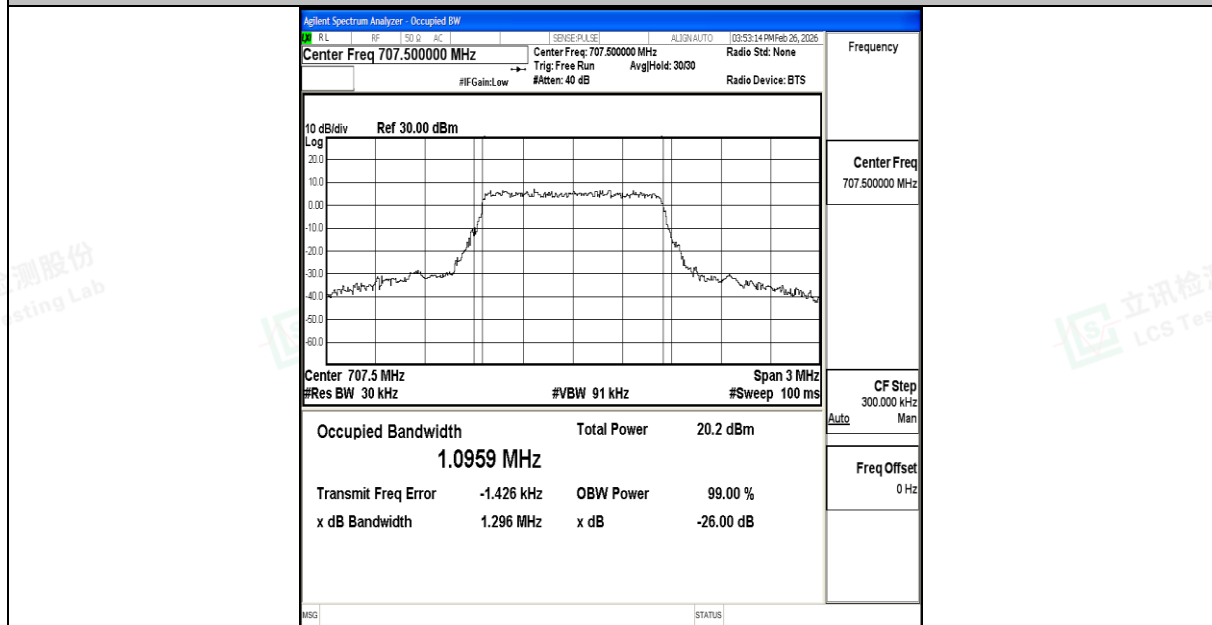
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Band12-1.4MHz-QPSK-23095-6RB#0-PASS



Band12-1.4MHz-16QAM-23095-6RB#0-PASS

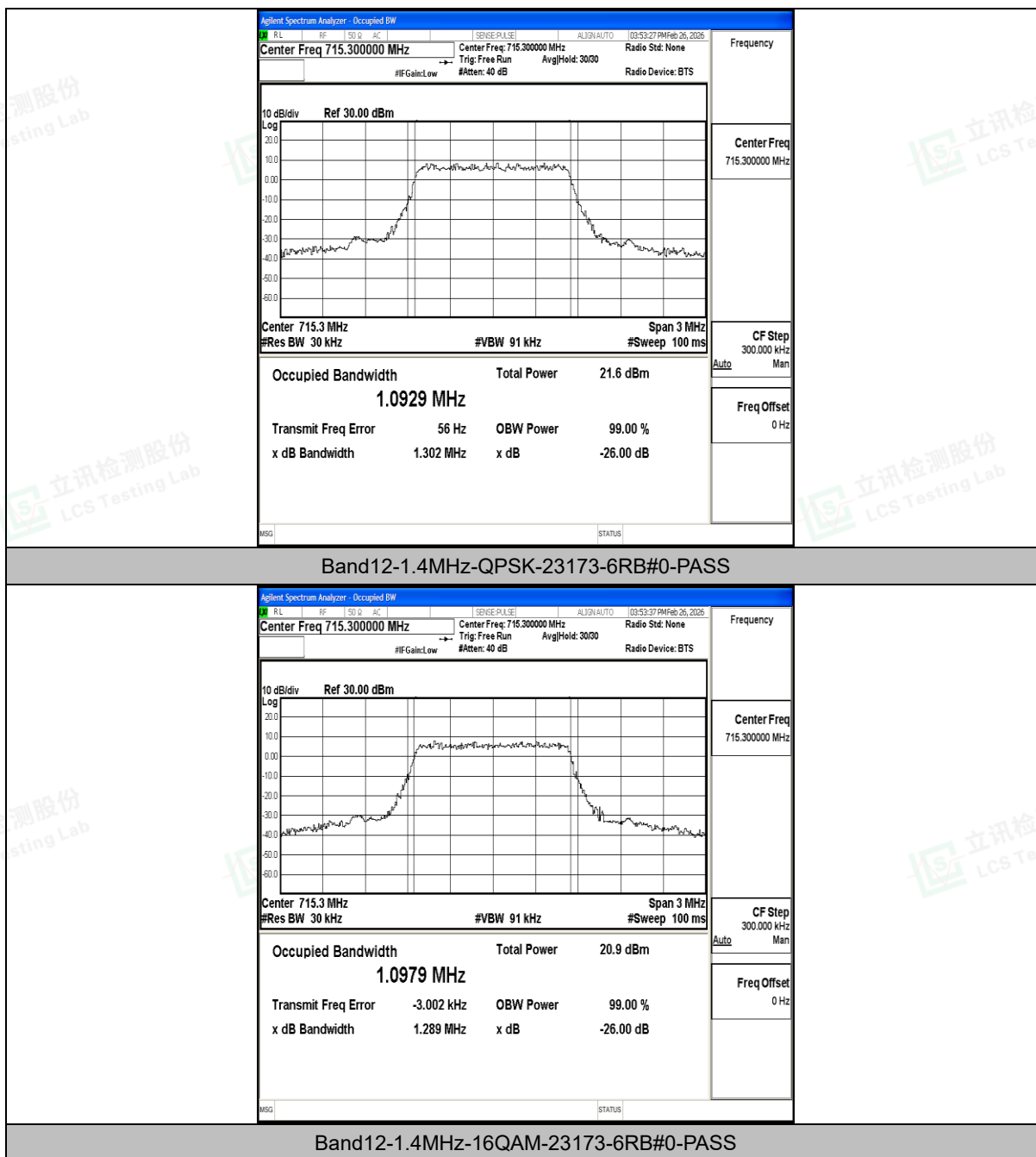


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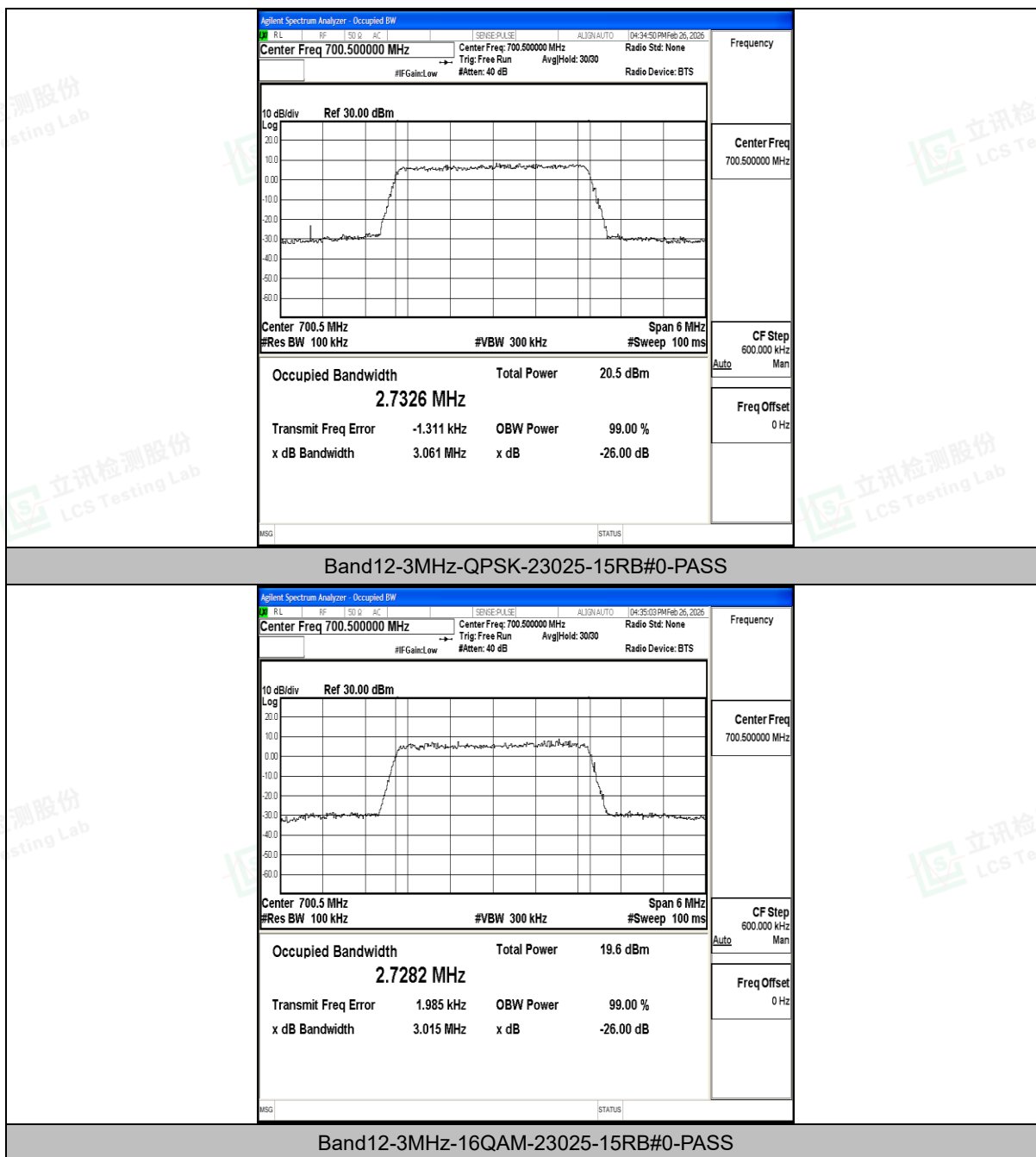


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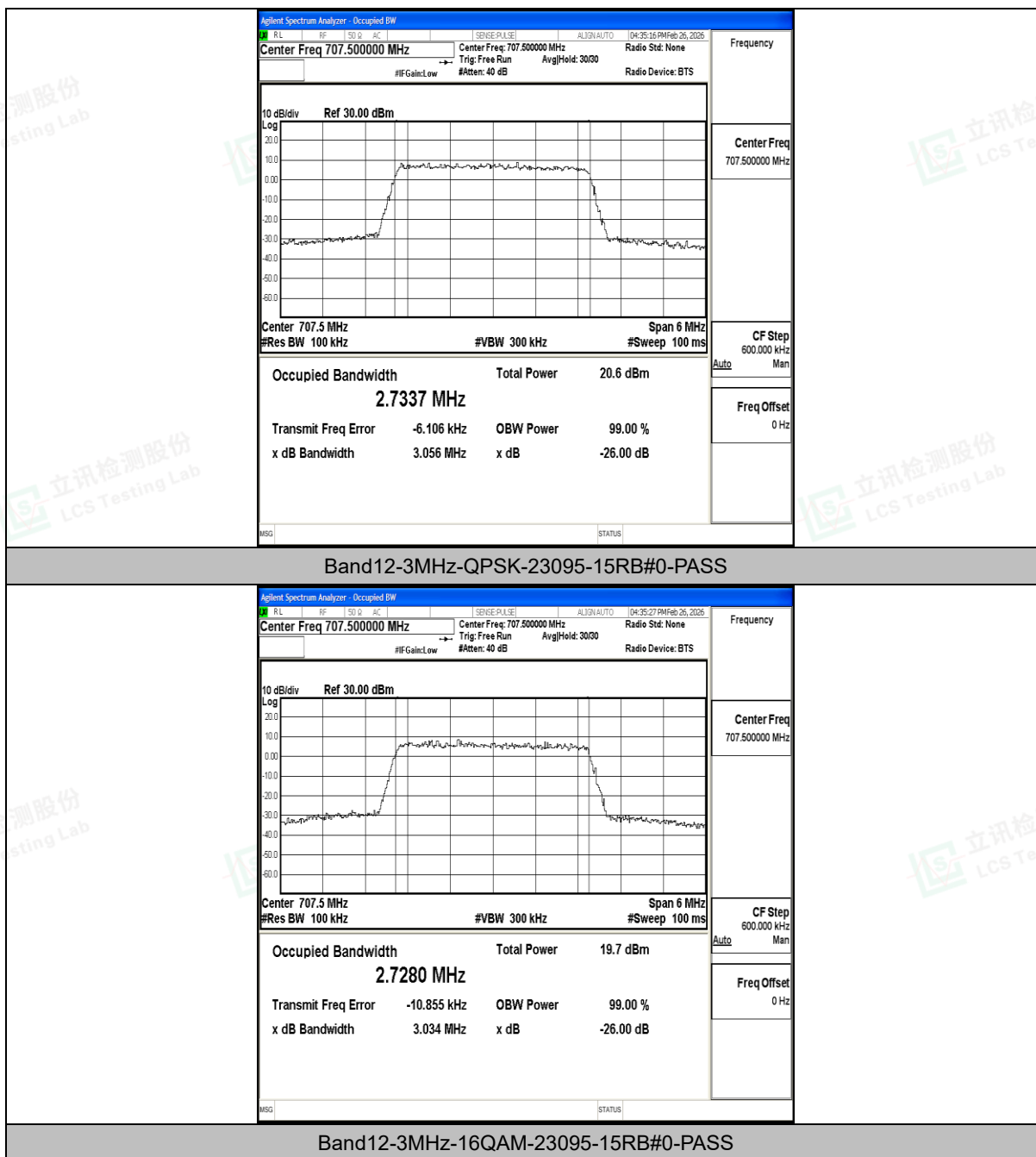


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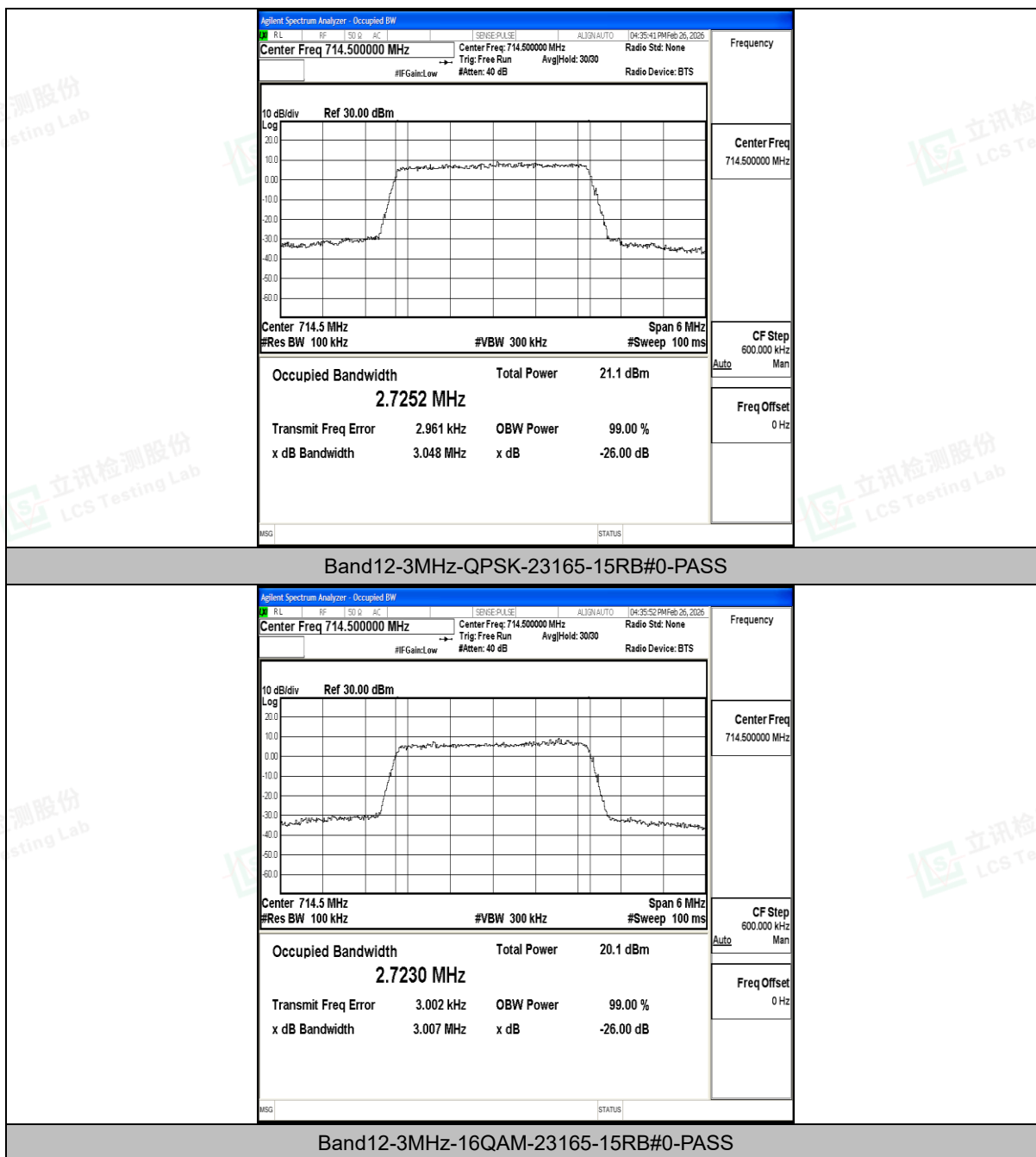


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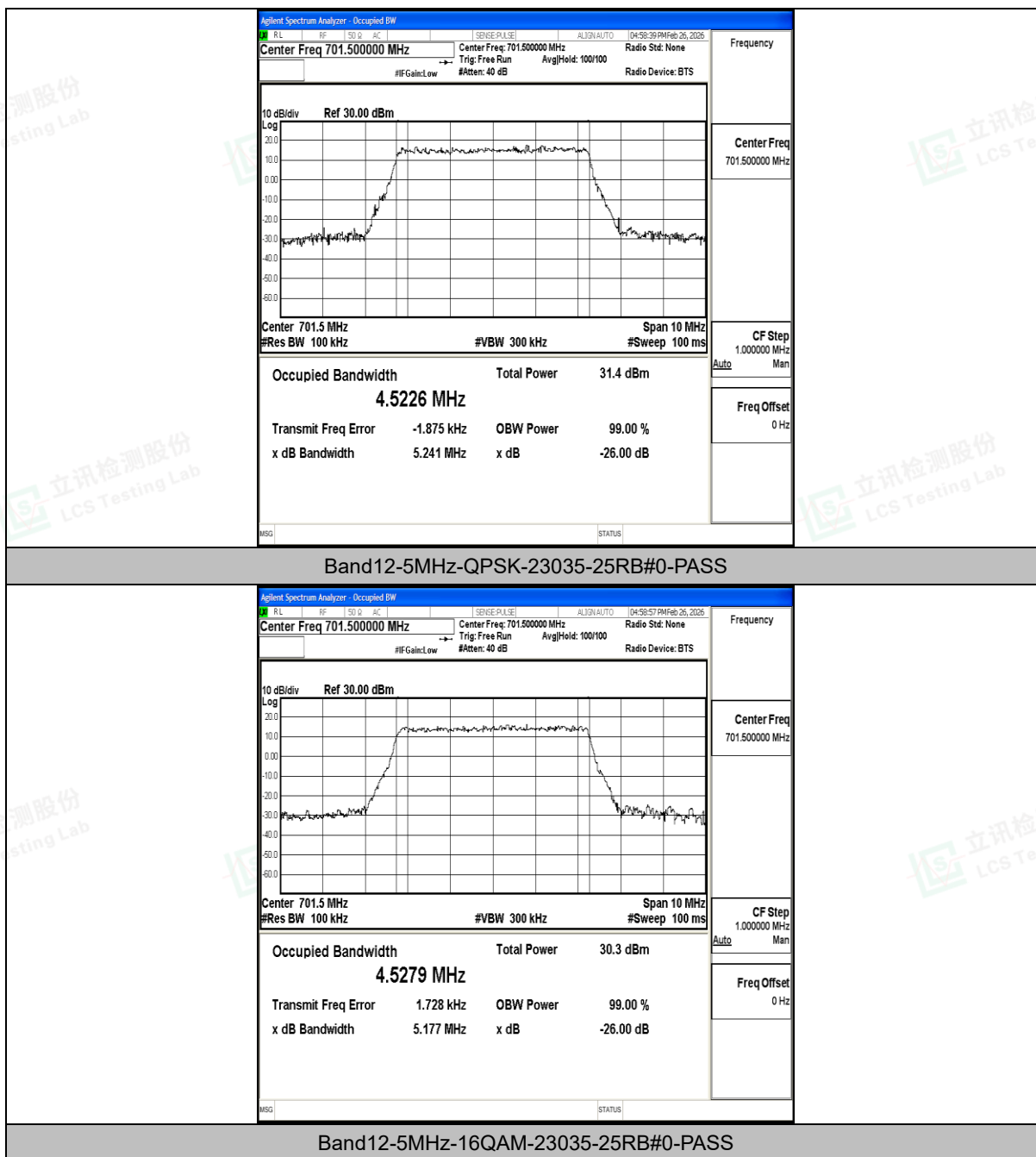


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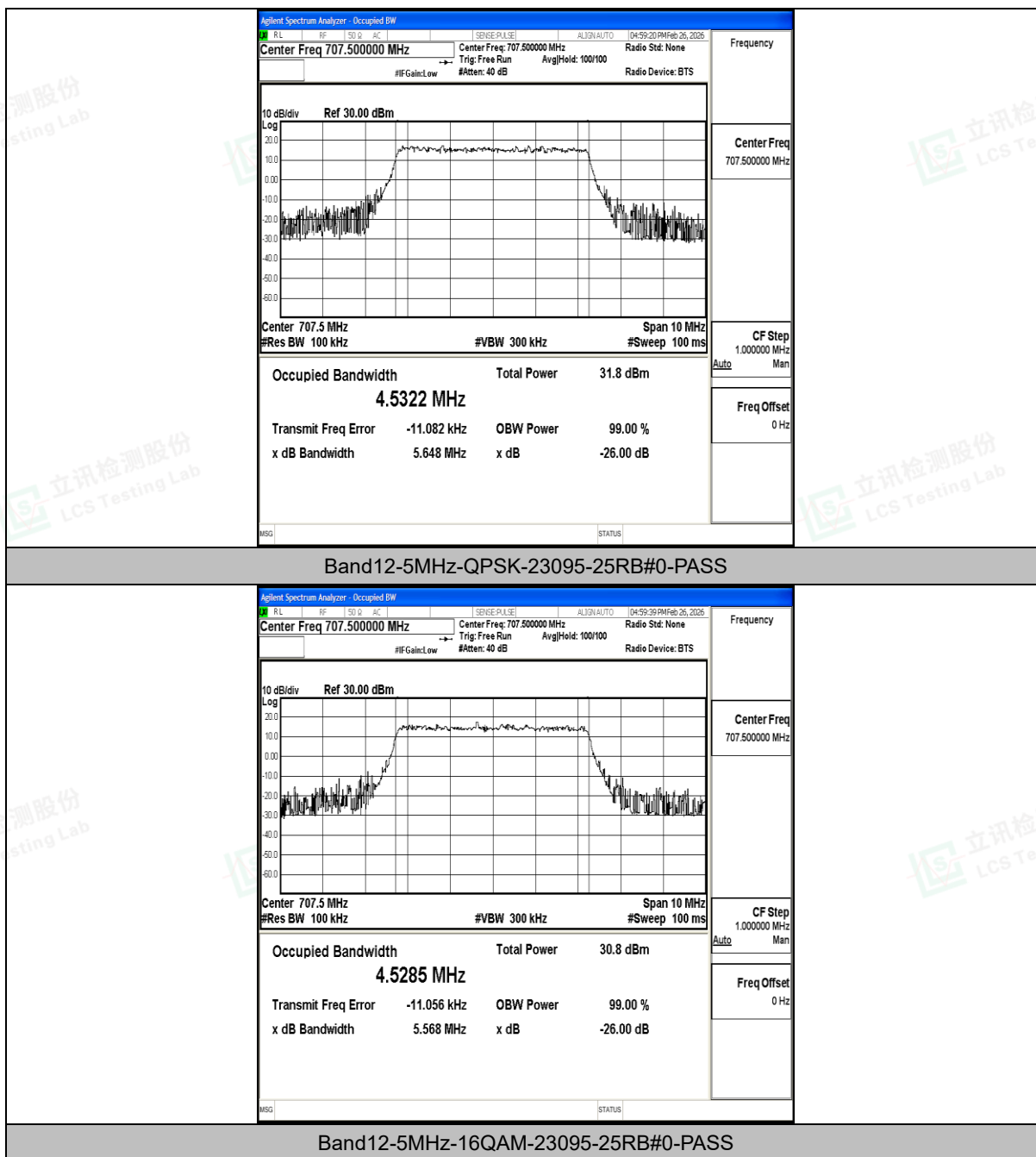


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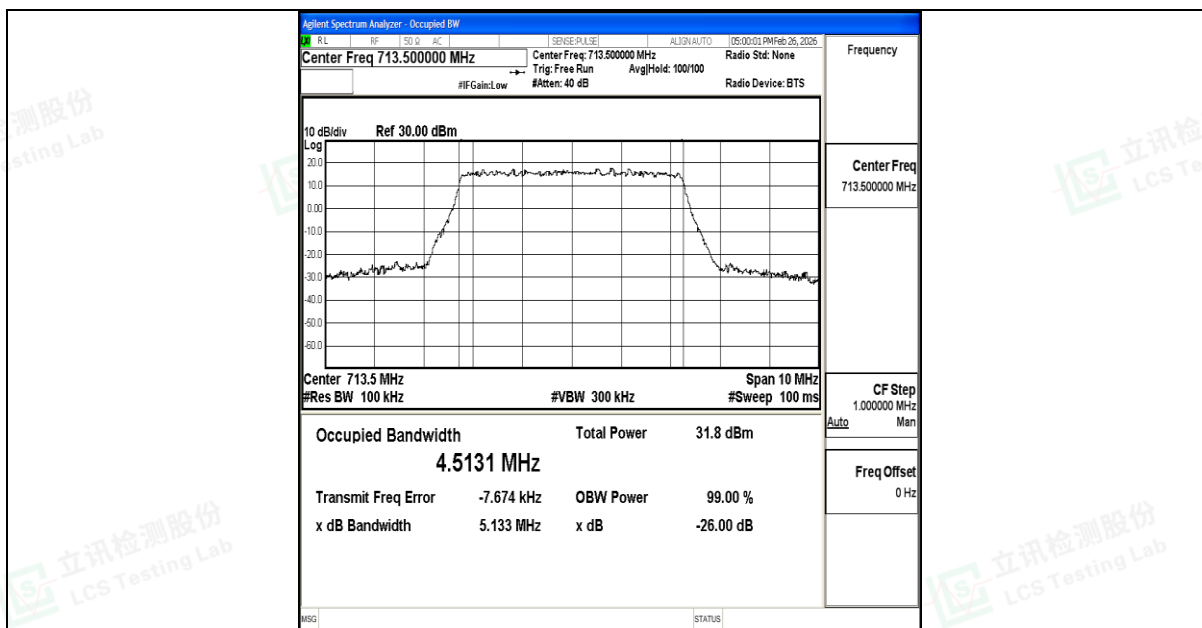


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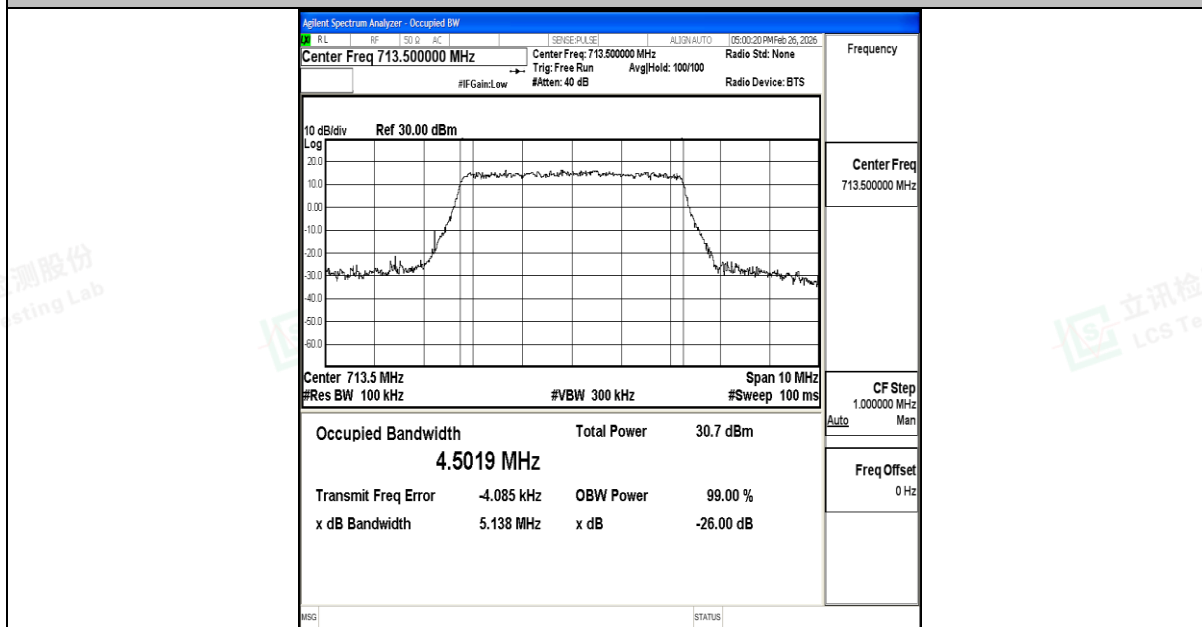
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Band12-5MHz-QPSK-23155-25RB#0-PASS



Band12-5MHz-16QAM-23155-25RB#0-PASS

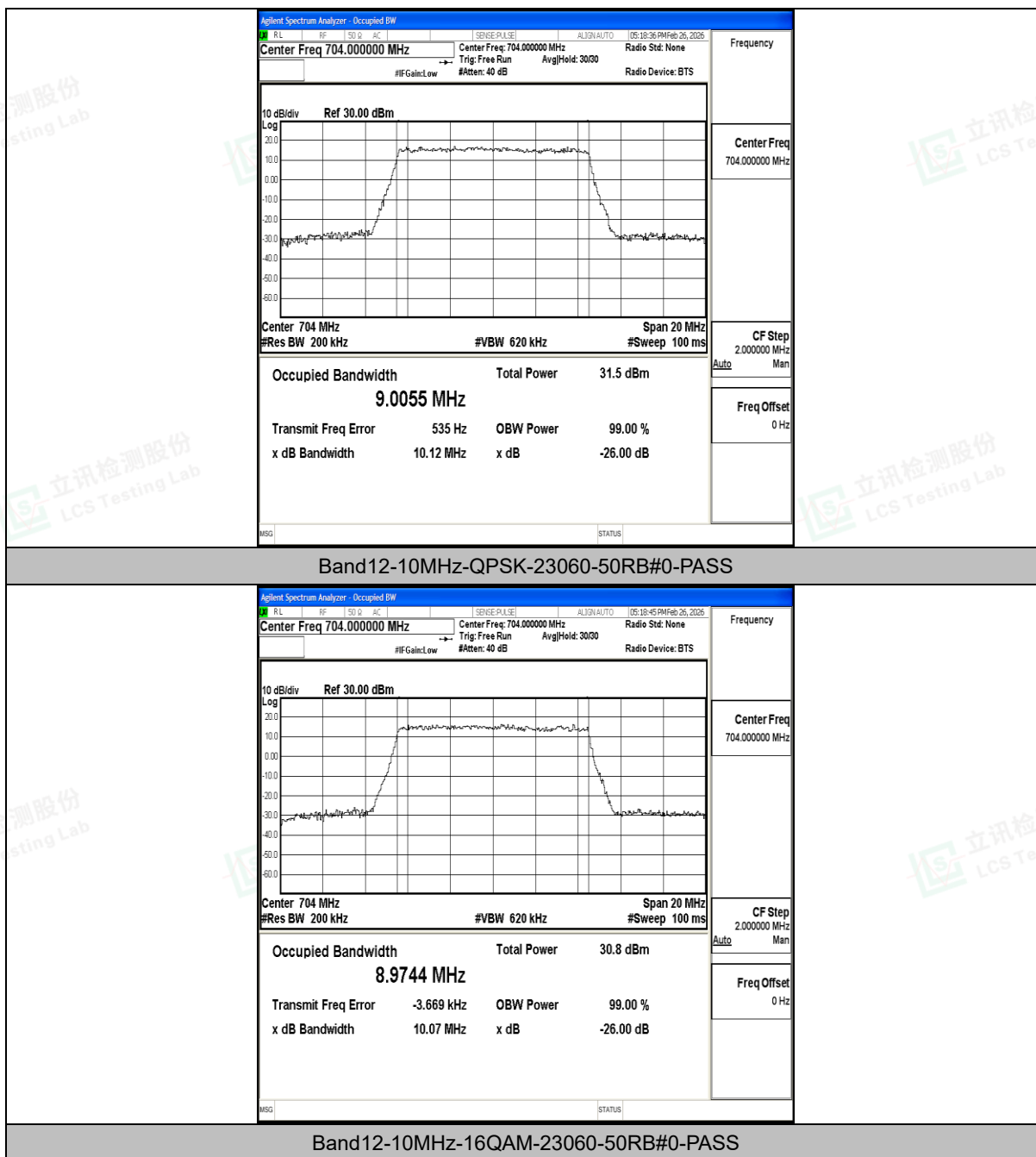


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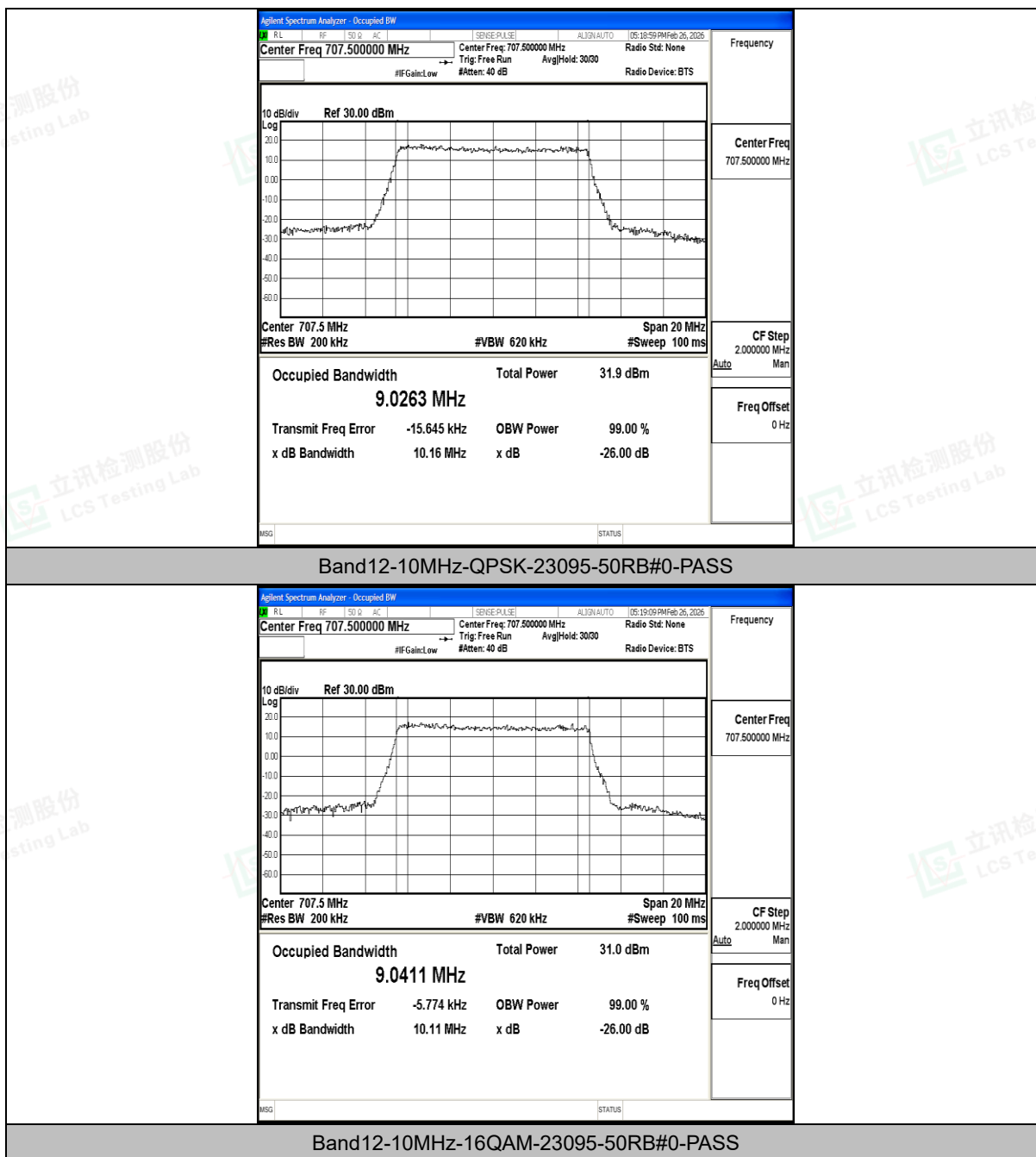


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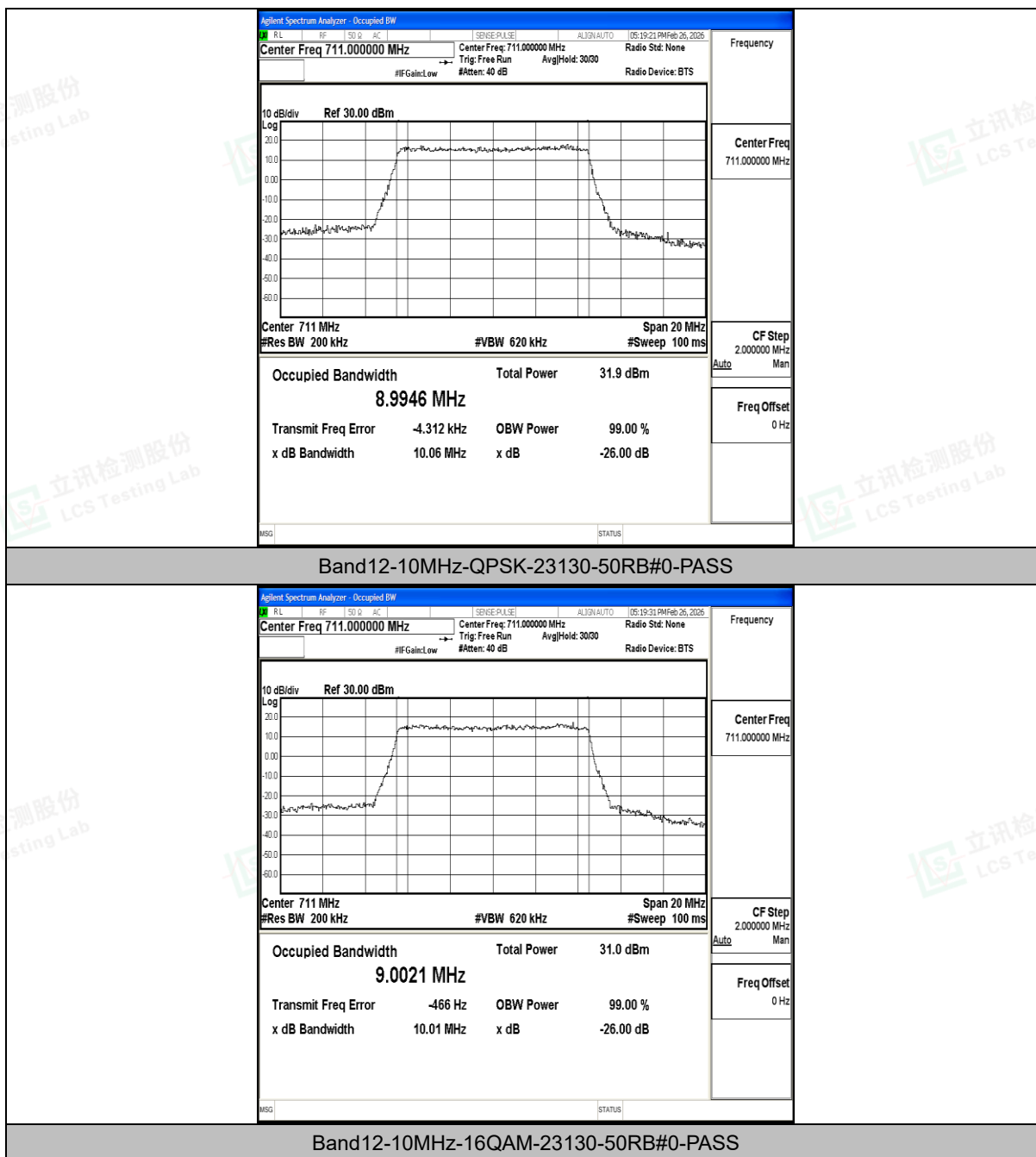


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K.4 Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Peak Frequency	Result(dBm)	Verdict
Band12	3MHz	QPSK	23165	15RB#0	716.00	-25.56	PASS
Band12	3MHz	16QAM	23165	15RB#0	716.03	-28.29	PASS
Band12	5MHz	QPSK	23035	25RB#0	698.90	-19.31	PASS
Band12	5MHz	16QAM	23035	25RB#0	698.90	-21.34	PASS
Band12	5MHz	QPSK	23155	25RB#0	716.11	-21.93	PASS
Band12	5MHz	16QAM	23155	25RB#0	716.10	-21.46	PASS
Band12	10MHz	QPSK	23060	50RB#0	698.88	-26.40	PASS
Band12	10MHz	16QAM	23060	50RB#0	698.89	-28.22	PASS
Band12	10MHz	QPSK	23130	50RB#0	716.48	-25.48	PASS
Band12	10MHz	16QAM	23130	50RB#0	716.13	-29.97	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	698.75	-26.89	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	716.00	-22.74	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	716.04	-24.42	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	698.74	-26.07	PASS
Band12	3MHz	QPSK	23025	15RB#0	698.81	-32.35	PASS
Band12	3MHz	16QAM	23025	15RB#0	698.52	-32.37	PASS



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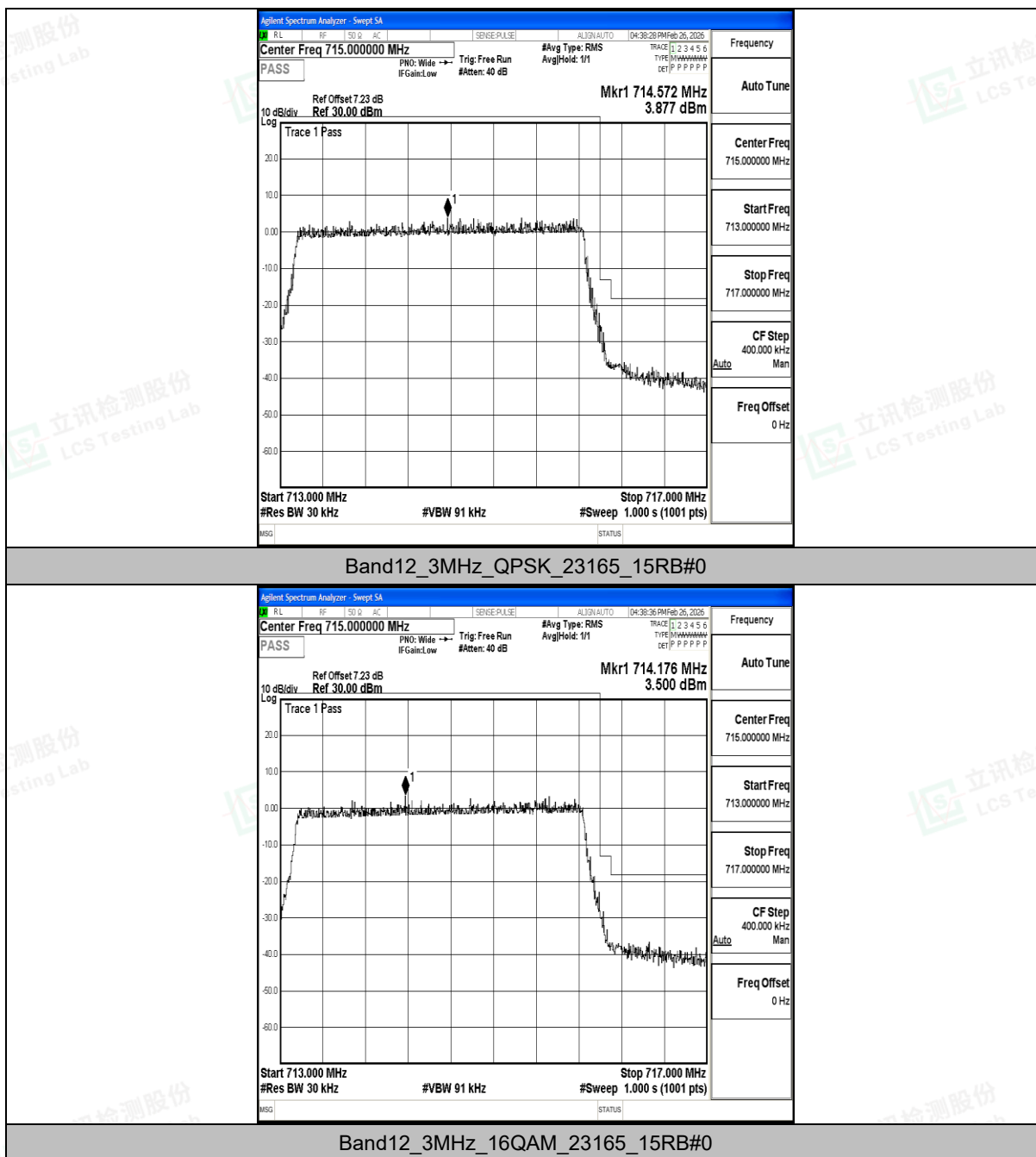
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Test Graphs

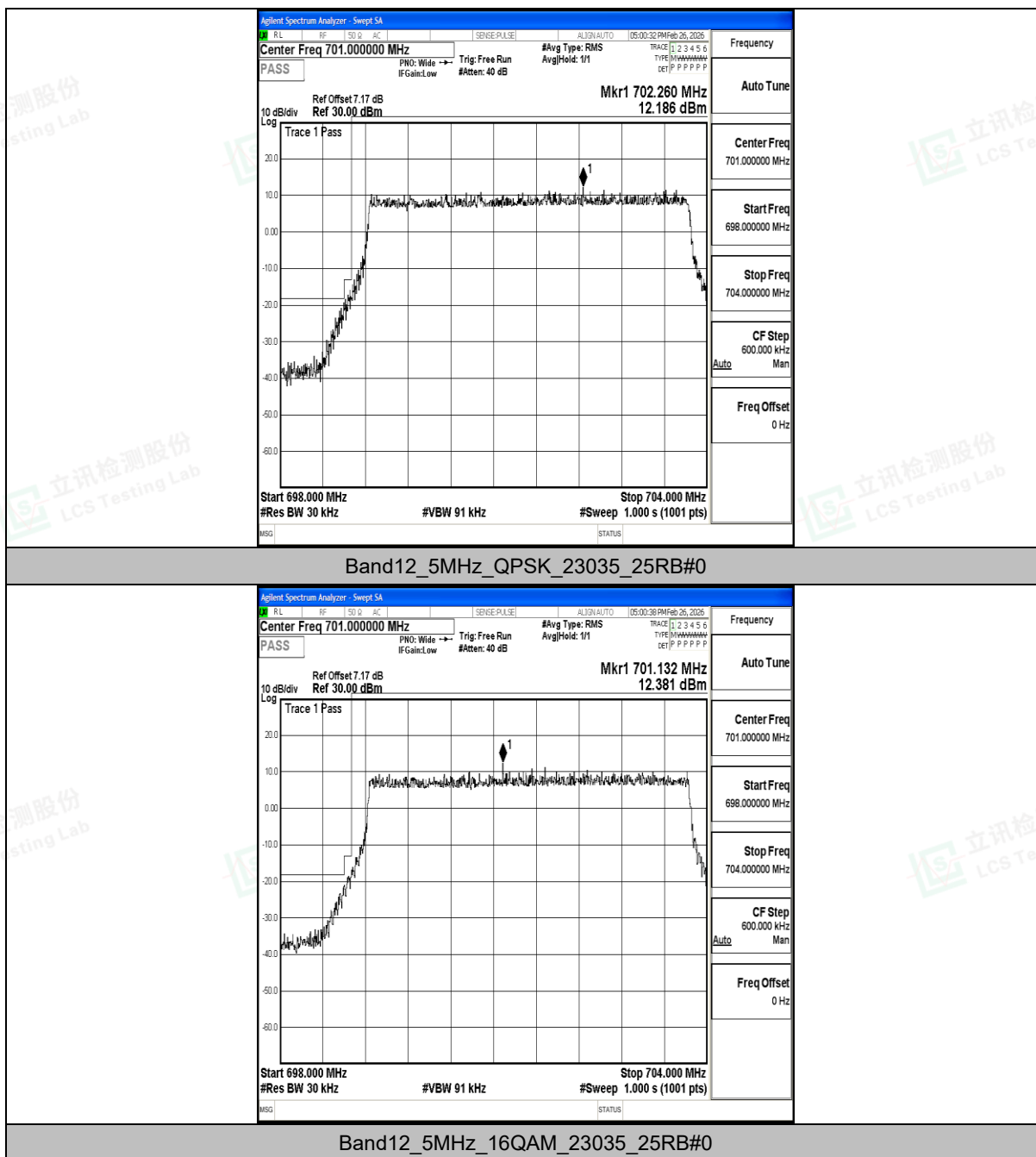


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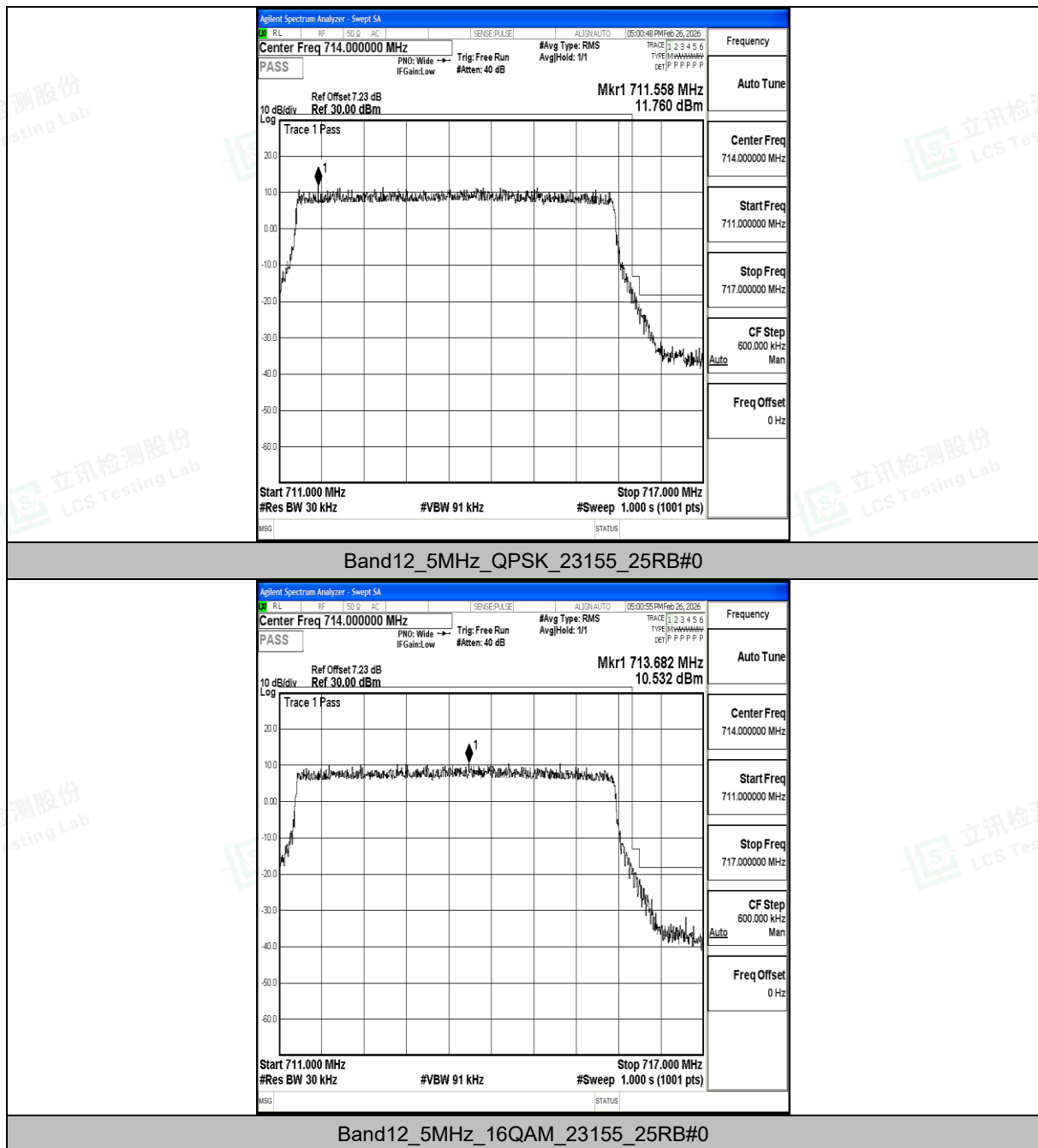


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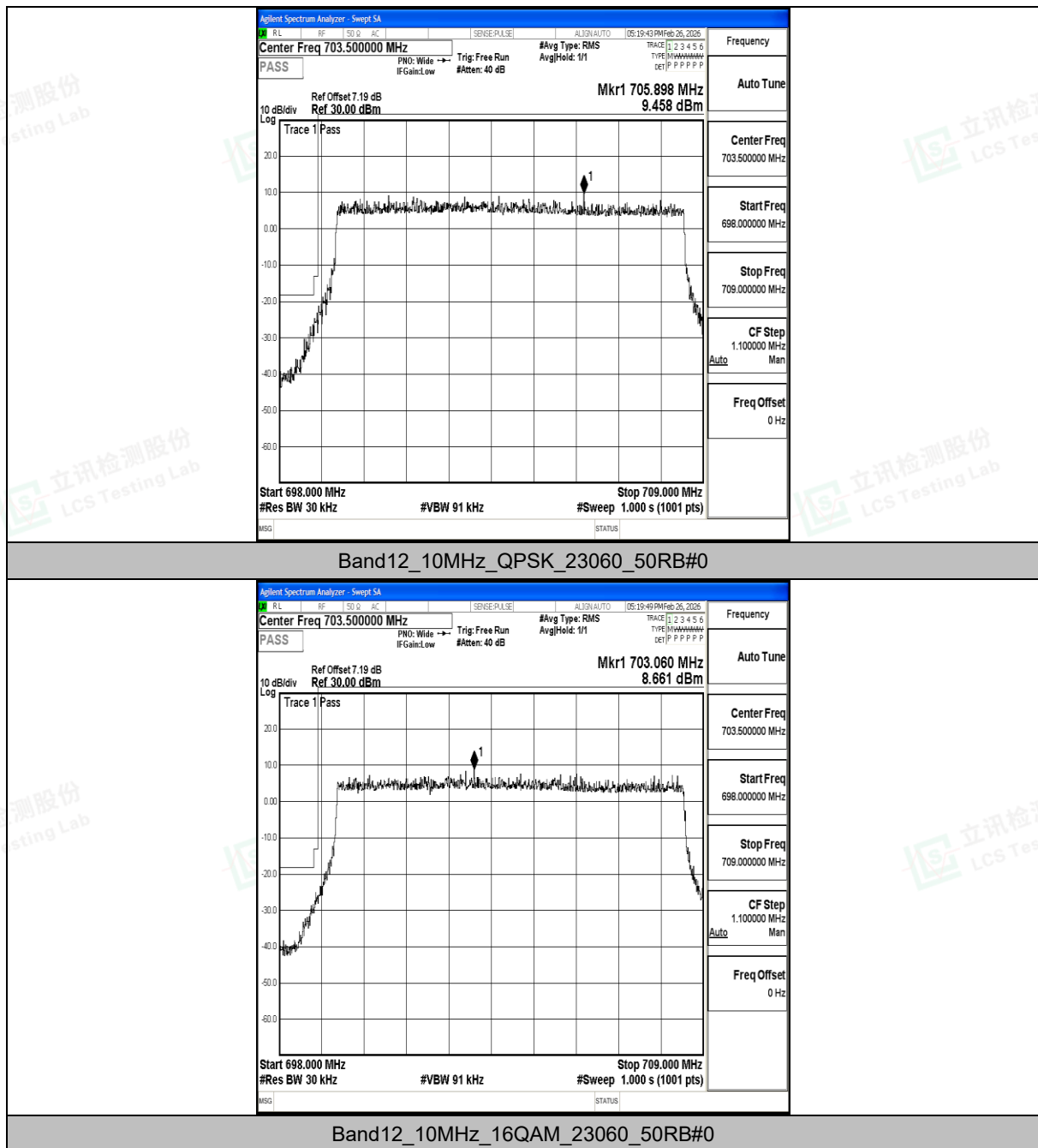


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