



Appendix L: Test Data for E-UTRA Band 12

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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L.1 Conducted Output Power Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	23.84	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	23.38	PASS
Band12	1.4MHz	QPSK	23017	1RB#2	23.70	PASS
Band12	1.4MHz	16QAM	23017	1RB#2	23.96	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	23.93	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	23.92	PASS
Band12	1.4MHz	QPSK	23017	3RB#0	23.88	PASS
Band12	1.4MHz	16QAM	23017	3RB#0	23.03	PASS
Band12	1.4MHz	QPSK	23017	3RB#1	23.88	PASS
Band12	1.4MHz	16QAM	23017	3RB#1	23.17	PASS
Band12	1.4MHz	QPSK	23017	3RB#3	23.80	PASS
Band12	1.4MHz	16QAM	23017	3RB#3	23.08	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	23.00	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	22.13	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	23.77	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	22.45	PASS
Band12	1.4MHz	QPSK	23095	1RB#2	23.77	PASS
Band12	1.4MHz	16QAM	23095	1RB#2	22.50	PASS
Band12	1.4MHz	QPSK	23095	1RB#5	23.94	PASS
Band12	1.4MHz	16QAM	23095	1RB#5	22.87	PASS
Band12	1.4MHz	QPSK	23095	3RB#0	23.73	PASS
Band12	1.4MHz	16QAM	23095	3RB#0	22.85	PASS
Band12	1.4MHz	QPSK	23095	3RB#1	23.73	PASS
Band12	1.4MHz	16QAM	23095	3RB#1	22.80	PASS
Band12	1.4MHz	QPSK	23095	3RB#3	23.75	PASS
Band12	1.4MHz	16QAM	23095	3RB#3	22.79	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	22.89	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	22.10	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	23.63	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	23.07	PASS
Band12	1.4MHz	QPSK	23173	1RB#2	23.64	PASS
Band12	1.4MHz	16QAM	23173	1RB#2	23.11	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	23.60	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	23.16	PASS
Band12	1.4MHz	QPSK	23173	3RB#0	23.76	PASS



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Band12	1.4MHz	16QAM	23173	3RB#0	22.70	PASS
Band12	1.4MHz	QPSK	23173	3RB#1	23.76	PASS
Band12	1.4MHz	16QAM	23173	3RB#1	22.75	PASS
Band12	1.4MHz	QPSK	23173	3RB#3	23.59	PASS
Band12	1.4MHz	16QAM	23173	3RB#3	22.71	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	22.77	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	22.02	PASS
Band12	3MHz	QPSK	23025	1RB#0	23.55	PASS
Band12	3MHz	16QAM	23025	1RB#0	22.54	PASS
Band12	3MHz	QPSK	23025	1RB#8	23.63	PASS
Band12	3MHz	16QAM	23025	1RB#8	22.51	PASS
Band12	3MHz	QPSK	23025	1RB#14	23.49	PASS
Band12	3MHz	16QAM	23025	1RB#14	22.42	PASS
Band12	3MHz	QPSK	23025	8RB#0	22.78	PASS
Band12	3MHz	16QAM	23025	8RB#0	22.08	PASS
Band12	3MHz	QPSK	23025	8RB#4	22.79	PASS
Band12	3MHz	16QAM	23025	8RB#4	22.08	PASS
Band12	3MHz	QPSK	23025	8RB#7	22.70	PASS
Band12	3MHz	16QAM	23025	8RB#7	21.95	PASS
Band12	3MHz	QPSK	23025	15RB#0	22.74	PASS
Band12	3MHz	16QAM	23025	15RB#0	22.00	PASS
Band12	3MHz	QPSK	23095	1RB#0	23.47	PASS
Band12	3MHz	16QAM	23095	1RB#0	22.26	PASS
Band12	3MHz	QPSK	23095	1RB#8	23.56	PASS
Band12	3MHz	16QAM	23095	1RB#8	22.37	PASS
Band12	3MHz	QPSK	23095	1RB#14	23.55	PASS
Band12	3MHz	16QAM	23095	1RB#14	22.33	PASS
Band12	3MHz	QPSK	23095	8RB#0	22.61	PASS
Band12	3MHz	16QAM	23095	8RB#0	21.87	PASS
Band12	3MHz	QPSK	23095	8RB#4	22.55	PASS
Band12	3MHz	16QAM	23095	8RB#4	21.84	PASS
Band12	3MHz	QPSK	23095	8RB#7	22.60	PASS
Band12	3MHz	16QAM	23095	8RB#7	22.01	PASS
Band12	3MHz	QPSK	23095	15RB#0	22.58	PASS
Band12	3MHz	16QAM	23095	15RB#0	21.69	PASS
Band12	3MHz	QPSK	23165	1RB#0	23.52	PASS
Band12	3MHz	16QAM	23165	1RB#0	23.03	PASS
Band12	3MHz	QPSK	23165	1RB#8	23.52	PASS
Band12	3MHz	16QAM	23165	1RB#8	22.97	PASS
Band12	3MHz	QPSK	23165	1RB#14	23.51	PASS



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Band12	3MHz	16QAM	23165	1RB#14	22.85	PASS
Band12	3MHz	QPSK	23165	8RB#0	22.50	PASS
Band12	3MHz	16QAM	23165	8RB#0	21.91	PASS
Band12	3MHz	QPSK	23165	8RB#4	22.54	PASS
Band12	3MHz	16QAM	23165	8RB#4	21.89	PASS
Band12	3MHz	QPSK	23165	8RB#7	22.49	PASS
Band12	3MHz	16QAM	23165	8RB#7	21.83	PASS
Band12	3MHz	QPSK	23165	15RB#0	22.27	PASS
Band12	3MHz	16QAM	23165	15RB#0	21.93	PASS
Band12	5MHz	QPSK	23035	1RB#0	23.71	PASS
Band12	5MHz	16QAM	23035	1RB#0	22.26	PASS
Band12	5MHz	QPSK	23035	1RB#12	23.68	PASS
Band12	5MHz	16QAM	23035	1RB#12	22.21	PASS
Band12	5MHz	QPSK	23035	1RB#24	23.68	PASS
Band12	5MHz	16QAM	23035	1RB#24	22.07	PASS
Band12	5MHz	QPSK	23035	12RB#0	22.71	PASS
Band12	5MHz	16QAM	23035	12RB#0	21.93	PASS
Band12	5MHz	QPSK	23035	12RB#6	22.72	PASS
Band12	5MHz	16QAM	23035	12RB#6	21.89	PASS
Band12	5MHz	QPSK	23035	12RB#13	22.63	PASS
Band12	5MHz	16QAM	23035	12RB#13	21.88	PASS
Band12	5MHz	QPSK	23035	25RB#0	22.78	PASS
Band12	5MHz	16QAM	23035	25RB#0	21.88	PASS
Band12	5MHz	QPSK	23095	1RB#0	23.45	PASS
Band12	5MHz	16QAM	23095	1RB#0	22.97	PASS
Band12	5MHz	QPSK	23095	1RB#12	23.39	PASS
Band12	5MHz	16QAM	23095	1RB#12	22.91	PASS
Band12	5MHz	QPSK	23095	1RB#24	23.31	PASS
Band12	5MHz	16QAM	23095	1RB#24	22.86	PASS
Band12	5MHz	QPSK	23095	12RB#0	22.58	PASS
Band12	5MHz	16QAM	23095	12RB#0	21.72	PASS
Band12	5MHz	QPSK	23095	12RB#6	22.59	PASS
Band12	5MHz	16QAM	23095	12RB#6	21.72	PASS
Band12	5MHz	QPSK	23095	12RB#13	22.60	PASS
Band12	5MHz	16QAM	23095	12RB#13	21.68	PASS
Band12	5MHz	QPSK	23095	25RB#0	22.64	PASS
Band12	5MHz	16QAM	23095	25RB#0	21.80	PASS
Band12	5MHz	QPSK	23155	1RB#0	23.30	PASS
Band12	5MHz	16QAM	23155	1RB#0	22.23	PASS
Band12	5MHz	QPSK	23155	1RB#12	23.32	PASS



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Band12	5MHz	16QAM	23155	1RB#12	22.31	PASS
Band12	5MHz	QPSK	23155	1RB#24	23.33	PASS
Band12	5MHz	16QAM	23155	1RB#24	22.21	PASS
Band12	5MHz	QPSK	23155	12RB#0	22.59	PASS
Band12	5MHz	16QAM	23155	12RB#0	21.51	PASS
Band12	5MHz	QPSK	23155	12RB#6	22.59	PASS
Band12	5MHz	16QAM	23155	12RB#6	21.63	PASS
Band12	5MHz	QPSK	23155	12RB#13	22.58	PASS
Band12	5MHz	16QAM	23155	12RB#13	21.69	PASS
Band12	5MHz	QPSK	23155	25RB#0	22.55	PASS
Band12	5MHz	16QAM	23155	25RB#0	21.77	PASS
Band12	10MHz	QPSK	23060	1RB#0	23.55	PASS
Band12	10MHz	16QAM	23060	1RB#0	23.00	PASS
Band12	10MHz	QPSK	23060	1RB#24	23.44	PASS
Band12	10MHz	16QAM	23060	1RB#24	22.79	PASS
Band12	10MHz	QPSK	23060	1RB#49	23.31	PASS
Band12	10MHz	16QAM	23060	1RB#49	22.74	PASS
Band12	10MHz	QPSK	23060	25RB#0	22.76	PASS
Band12	10MHz	16QAM	23060	25RB#0	21.74	PASS
Band12	10MHz	QPSK	23060	25RB#12	22.76	PASS
Band12	10MHz	16QAM	23060	25RB#12	21.74	PASS
Band12	10MHz	16QAM	23060	25RB#25	21.65	PASS
Band12	10MHz	QPSK	23060	50RB#0	22.69	PASS
Band12	10MHz	16QAM	23060	50RB#0	21.72	PASS
Band12	10MHz	QPSK	23095	1RB#0	23.75	PASS
Band12	10MHz	16QAM	23095	1RB#0	22.64	PASS
Band12	10MHz	QPSK	23095	1RB#24	23.70	PASS
Band12	10MHz	16QAM	23095	1RB#24	22.62	PASS
Band12	10MHz	QPSK	23095	1RB#49	23.48	PASS
Band12	10MHz	16QAM	23095	1RB#49	21.99	PASS
Band12	10MHz	QPSK	23095	25RB#0	22.71	PASS
Band12	10MHz	16QAM	23095	25RB#0	21.84	PASS
Band12	10MHz	QPSK	23095	25RB#12	22.72	PASS
Band12	10MHz	16QAM	23095	25RB#12	21.91	PASS
Band12	10MHz	QPSK	23095	25RB#25	22.51	PASS
Band12	10MHz	16QAM	23095	25RB#25	21.88	PASS
Band12	10MHz	QPSK	23095	50RB#0	22.60	PASS
Band12	10MHz	16QAM	23095	50RB#0	21.80	PASS
Band12	10MHz	QPSK	23130	1RB#0	23.38	PASS
Band12	10MHz	16QAM	23130	1RB#0	23.29	PASS



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Band12	10MHz	QPSK	23130	1RB#24	23.35	PASS
Band12	10MHz	16QAM	23130	1RB#24	23.29	PASS
Band12	10MHz	QPSK	23130	1RB#49	23.32	PASS
Band12	10MHz	16QAM	23130	1RB#49	23.28	PASS
Band12	10MHz	QPSK	23130	25RB#0	22.63	PASS
Band12	10MHz	16QAM	23130	25RB#0	21.74	PASS
Band12	10MHz	QPSK	23130	25RB#12	22.49	PASS
Band12	10MHz	16QAM	23130	25RB#12	21.74	PASS
Band12	10MHz	QPSK	23130	25RB#25	22.43	PASS
Band12	10MHz	16QAM	23130	25RB#25	21.73	PASS
Band12	10MHz	QPSK	23130	50RB#0	22.57	PASS
Band12	10MHz	16QAM	23130	50RB#0	21.77	PASS
Band12	10MHz	QPSK	23060	25RB#25	22.44	PASS



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L.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	4.92	13	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	5.43	13	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	5.58	13	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	6.34	13	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	4.78	13	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	5.31	13	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	5.49	13	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	6.23	13	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	4.33	13	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	4.93	13	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	5.04	13	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	5.75	13	PASS
Band12	3MHz	QPSK	23025	1RB#0	5.04	13	PASS
Band12	3MHz	16QAM	23025	1RB#0	5.89	13	PASS
Band12	3MHz	QPSK	23025	15RB#0	5.64	13	PASS
Band12	3MHz	16QAM	23025	15RB#0	6.39	13	PASS
Band12	3MHz	QPSK	23095	1RB#0	4.92	13	PASS
Band12	3MHz	16QAM	23095	1RB#0	5.82	13	PASS
Band12	3MHz	QPSK	23095	15RB#0	5.55	13	PASS
Band12	3MHz	16QAM	23095	15RB#0	6.30	13	PASS
Band12	3MHz	QPSK	23165	1RB#0	4.70	13	PASS
Band12	3MHz	16QAM	23165	1RB#0	5.55	13	PASS
Band12	3MHz	QPSK	23165	15RB#0	5.22	13	PASS
Band12	3MHz	16QAM	23165	15RB#0	5.97	13	PASS
Band12	5MHz	QPSK	23035	1RB#0	5.13	13	PASS
Band12	5MHz	16QAM	23035	1RB#0	5.88	13	PASS
Band12	5MHz	QPSK	23035	25RB#0	5.69	13	PASS
Band12	5MHz	16QAM	23035	25RB#0	6.35	13	PASS
Band12	5MHz	QPSK	23095	1RB#0	4.99	13	PASS
Band12	5MHz	16QAM	23095	1RB#0	5.78	13	PASS
Band12	5MHz	QPSK	23095	25RB#0	5.62	13	PASS
Band12	5MHz	16QAM	23095	25RB#0	6.27	13	PASS
Band12	5MHz	QPSK	23155	1RB#0	5.01	13	PASS
Band12	5MHz	16QAM	23155	1RB#0	5.80	13	PASS
Band12	5MHz	QPSK	23155	25RB#0	5.45	13	PASS



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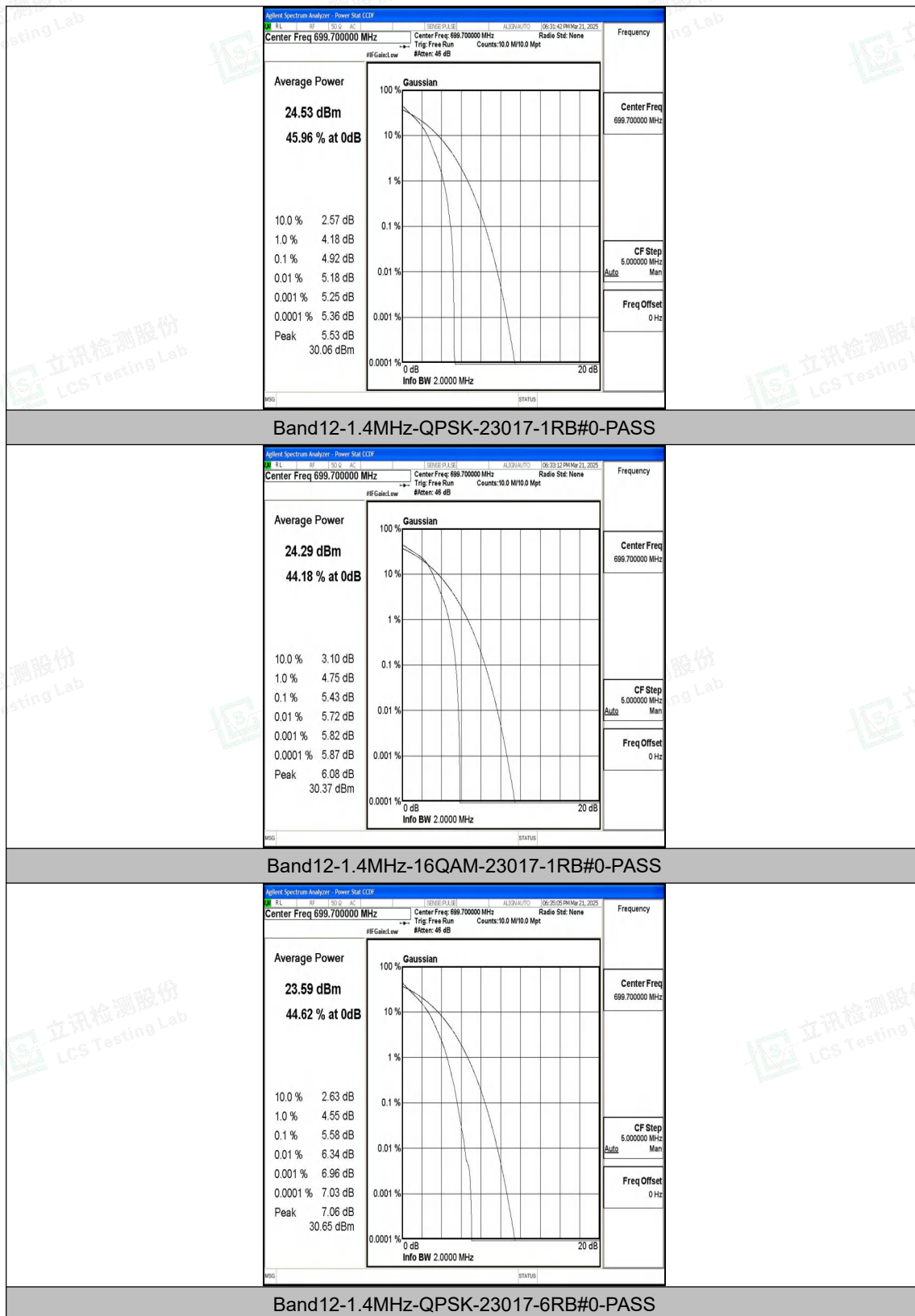


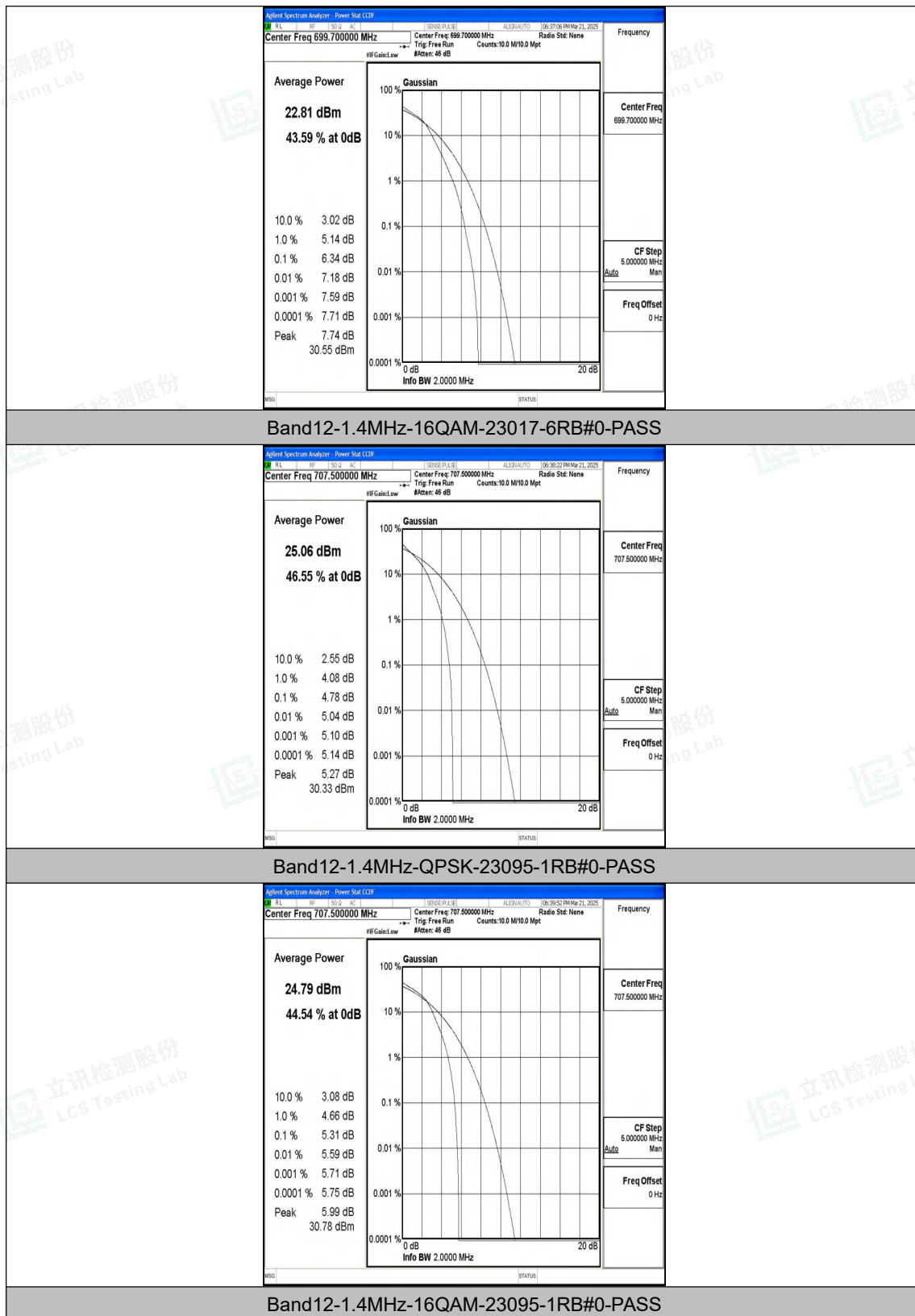
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Band12	10MHz	16QAM	23060	1RB#0	5.78	13	PASS
Band12	10MHz	QPSK	23060	50RB#0	5.60	13	PASS
Band12	10MHz	16QAM	23060	50RB#0	6.34	13	PASS
Band12	10MHz	QPSK	23095	1RB#0	5.07	13	PASS
Band12	10MHz	16QAM	23095	1RB#0	5.80	13	PASS
Band12	10MHz	QPSK	23095	50RB#0	5.64	13	PASS
Band12	10MHz	16QAM	23095	50RB#0	6.35	13	PASS
Band12	10MHz	QPSK	23130	1RB#0	4.91	13	PASS
Band12	10MHz	16QAM	23130	1RB#0	5.62	13	PASS
Band12	10MHz	QPSK	23130	50RB#0	5.59	13	PASS
Band12	10MHz	16QAM	23130	50RB#0	6.28	13	PASS





Test Graphs



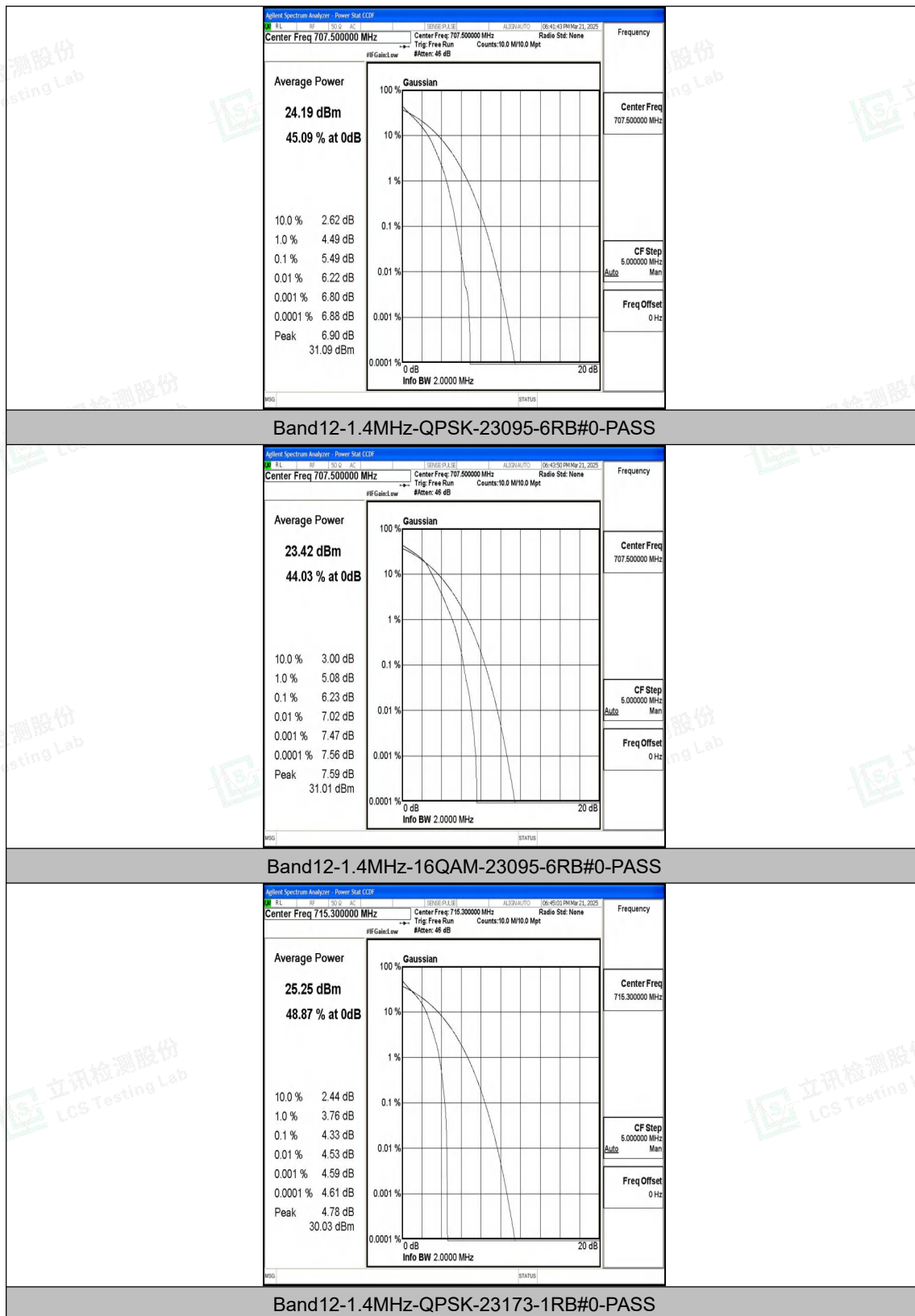


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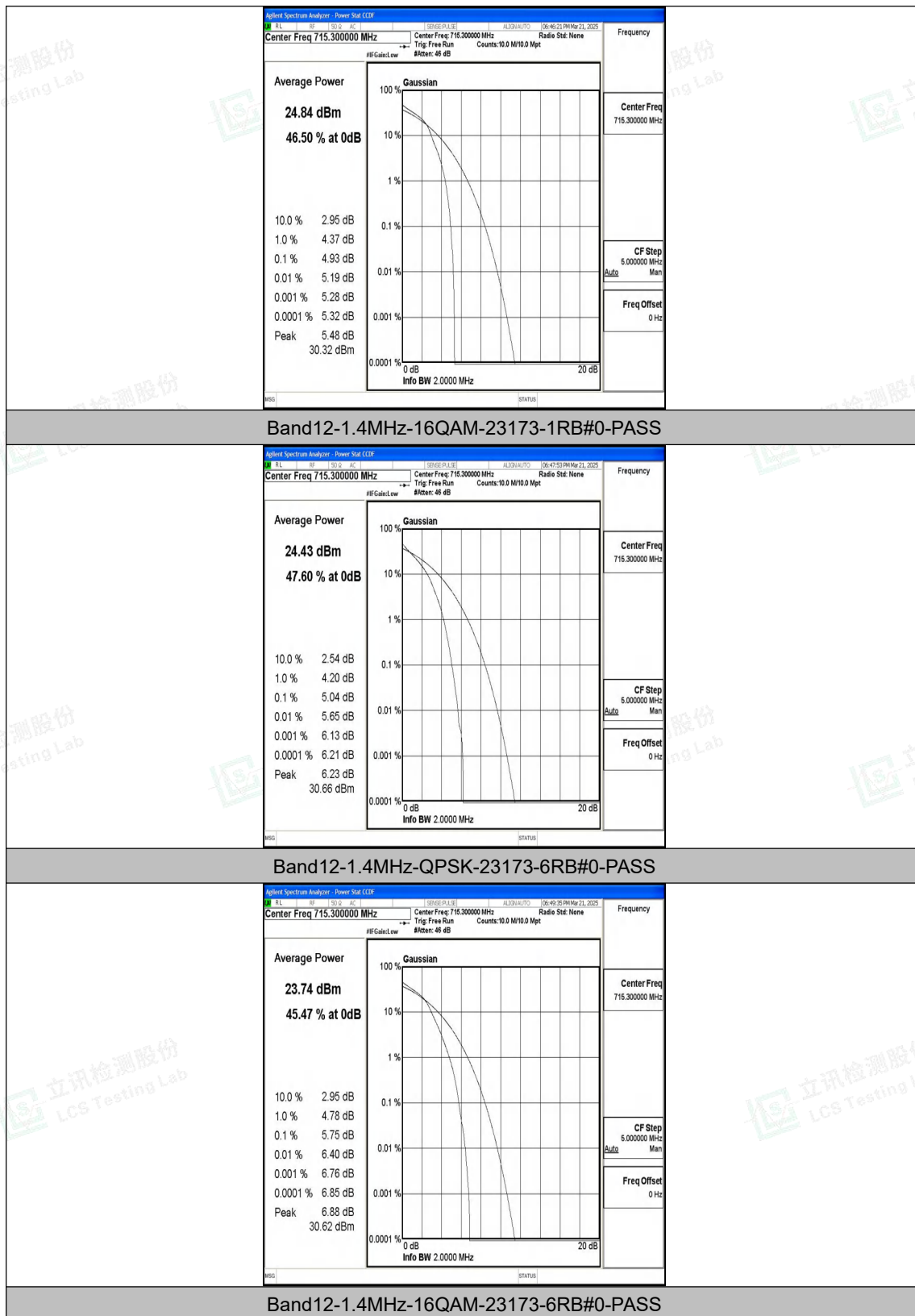


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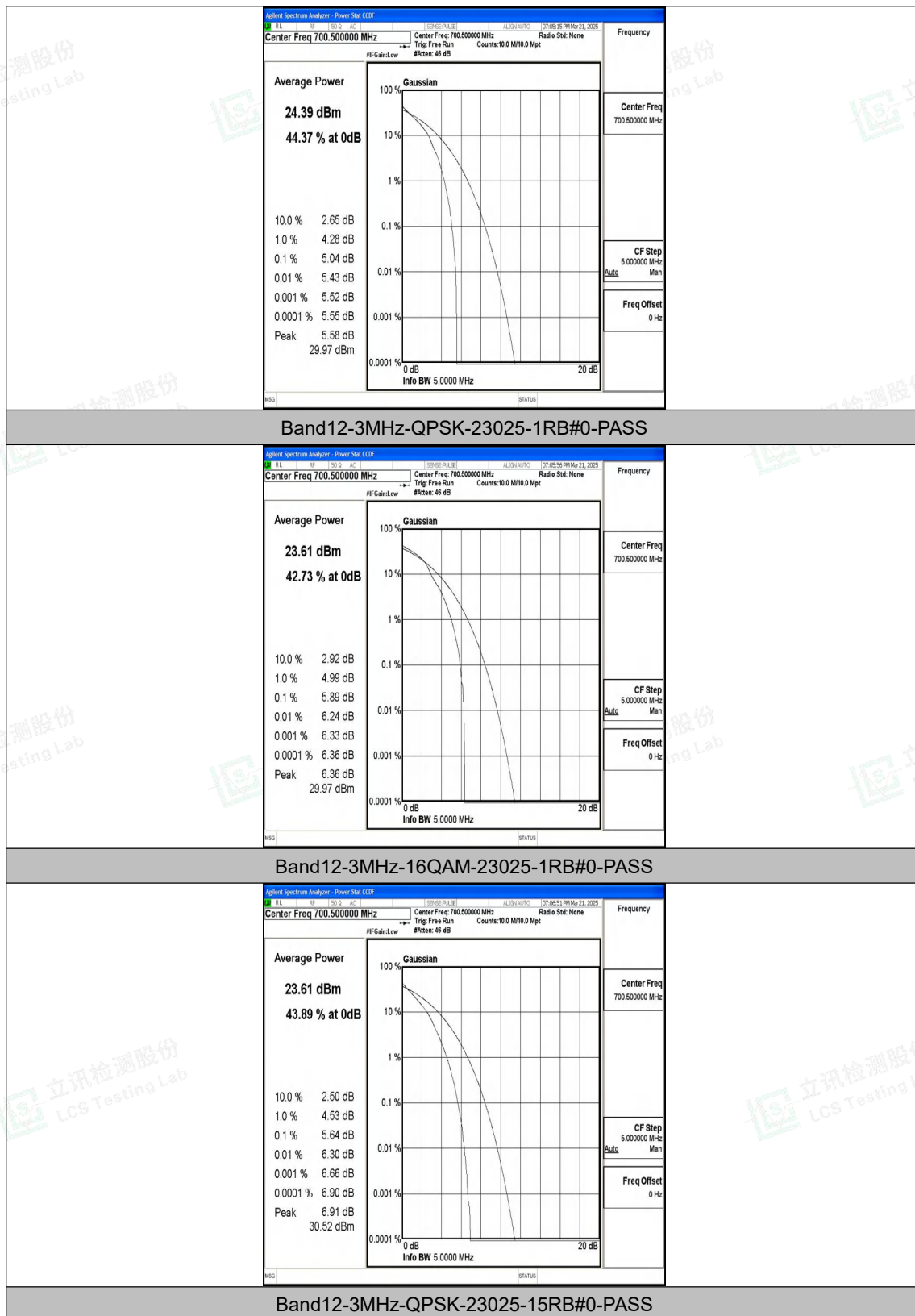


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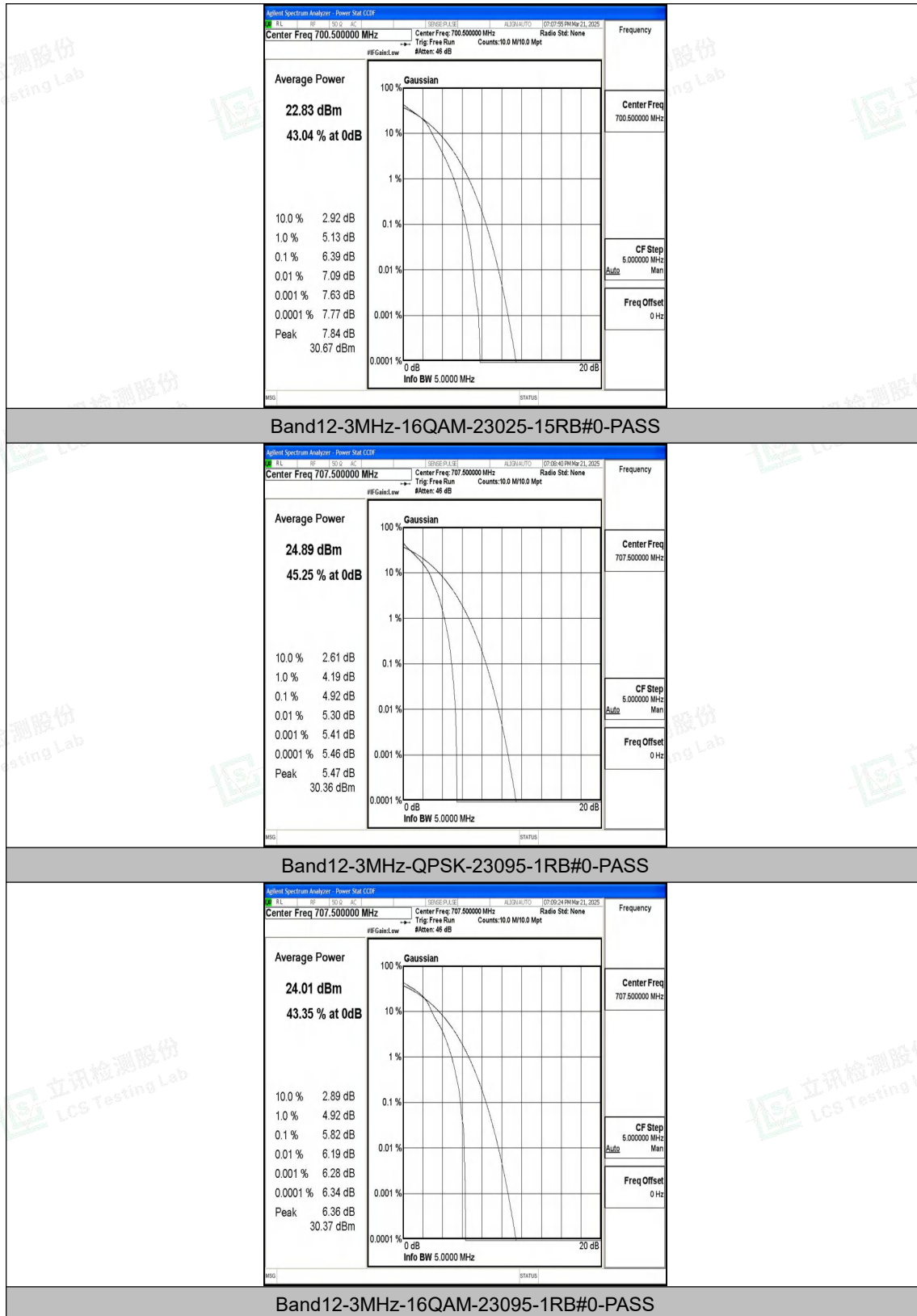


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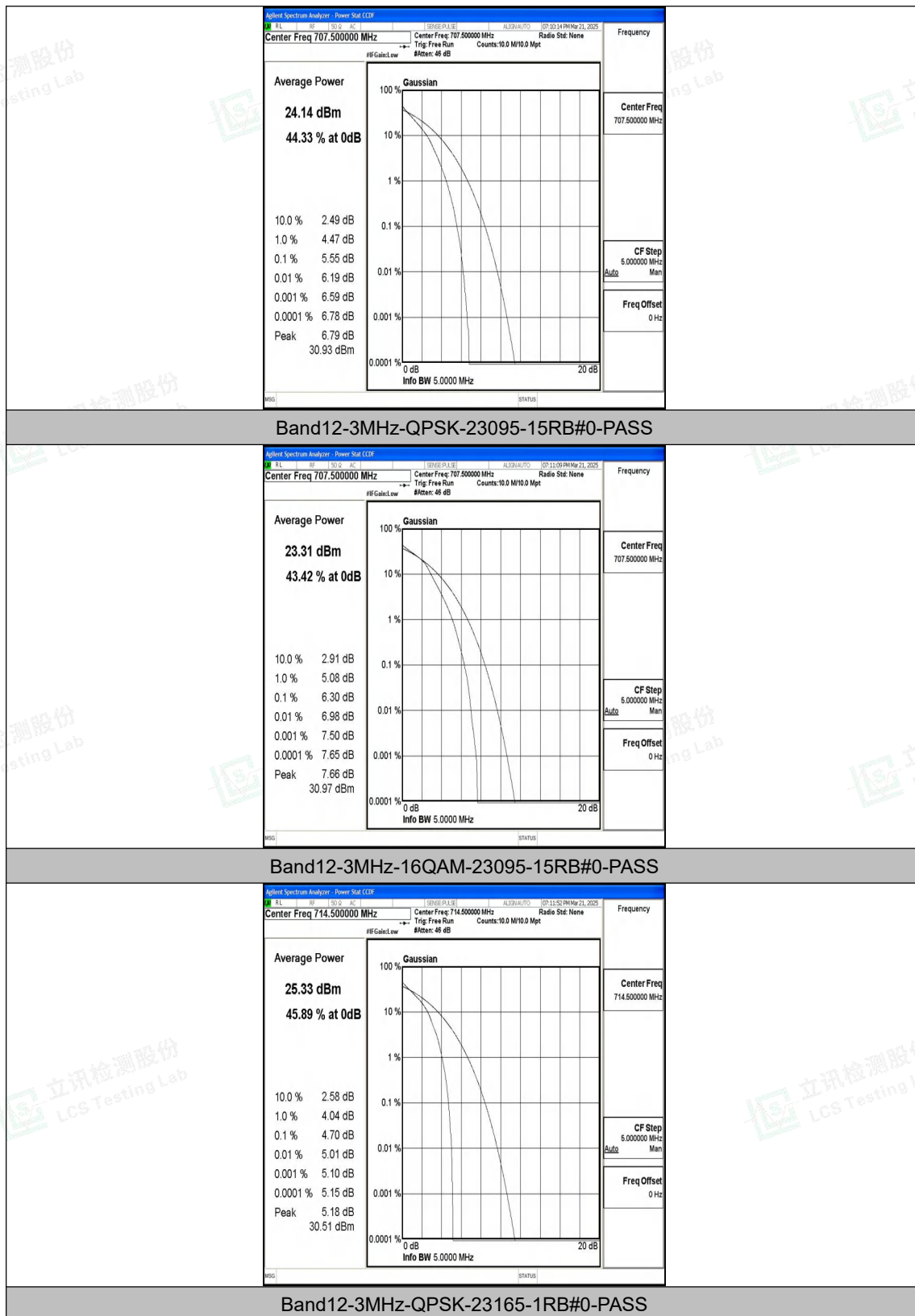


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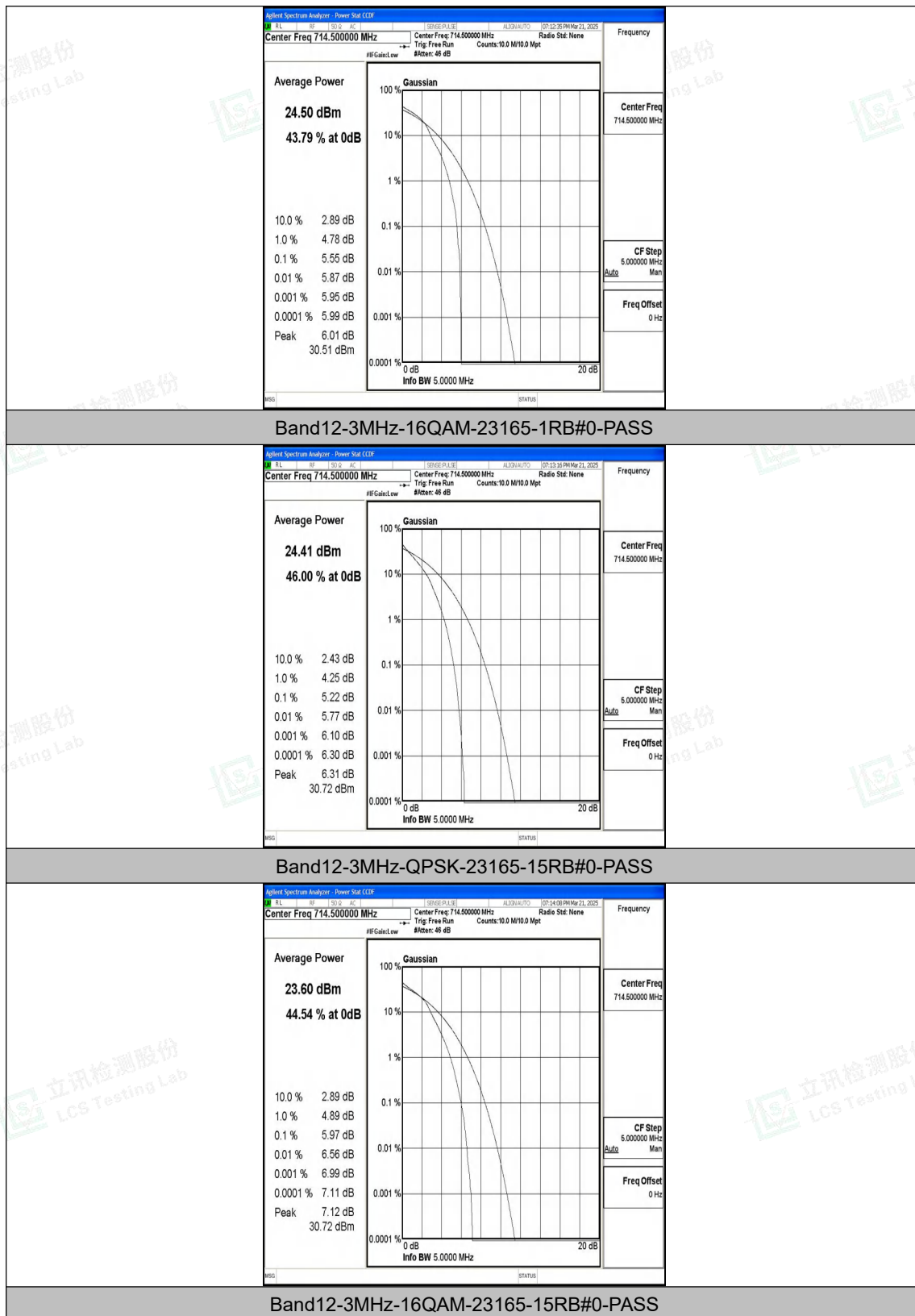


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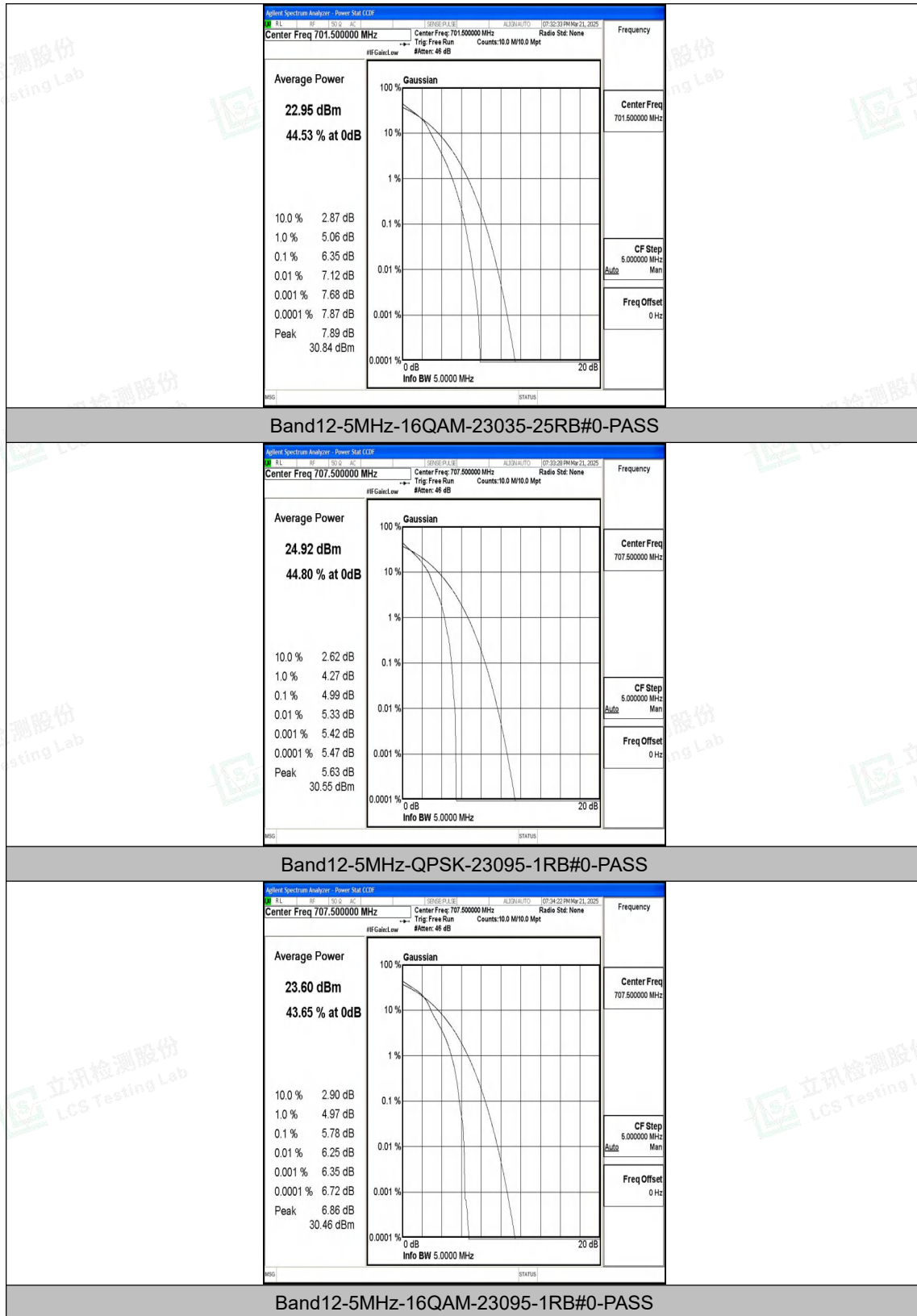


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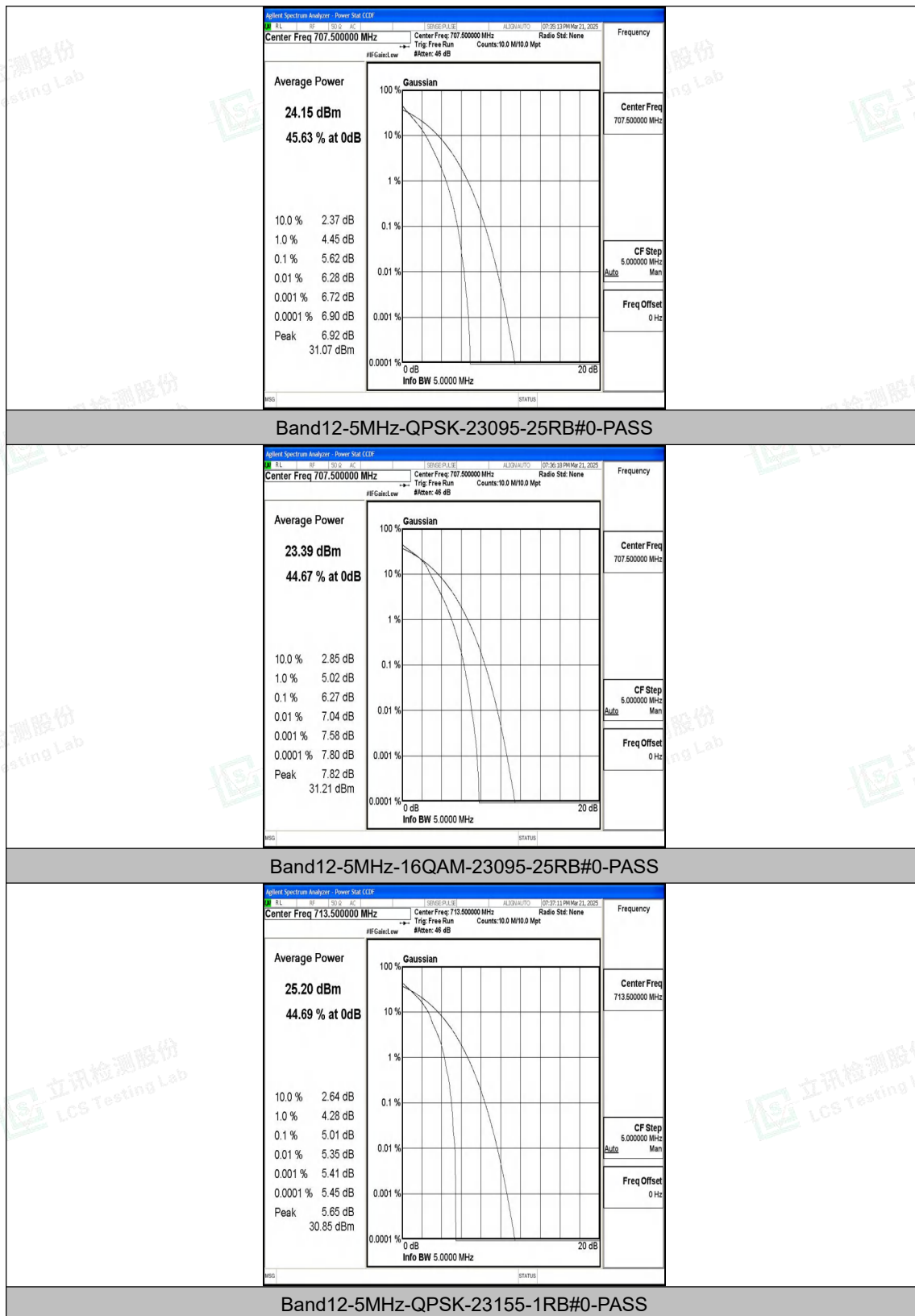


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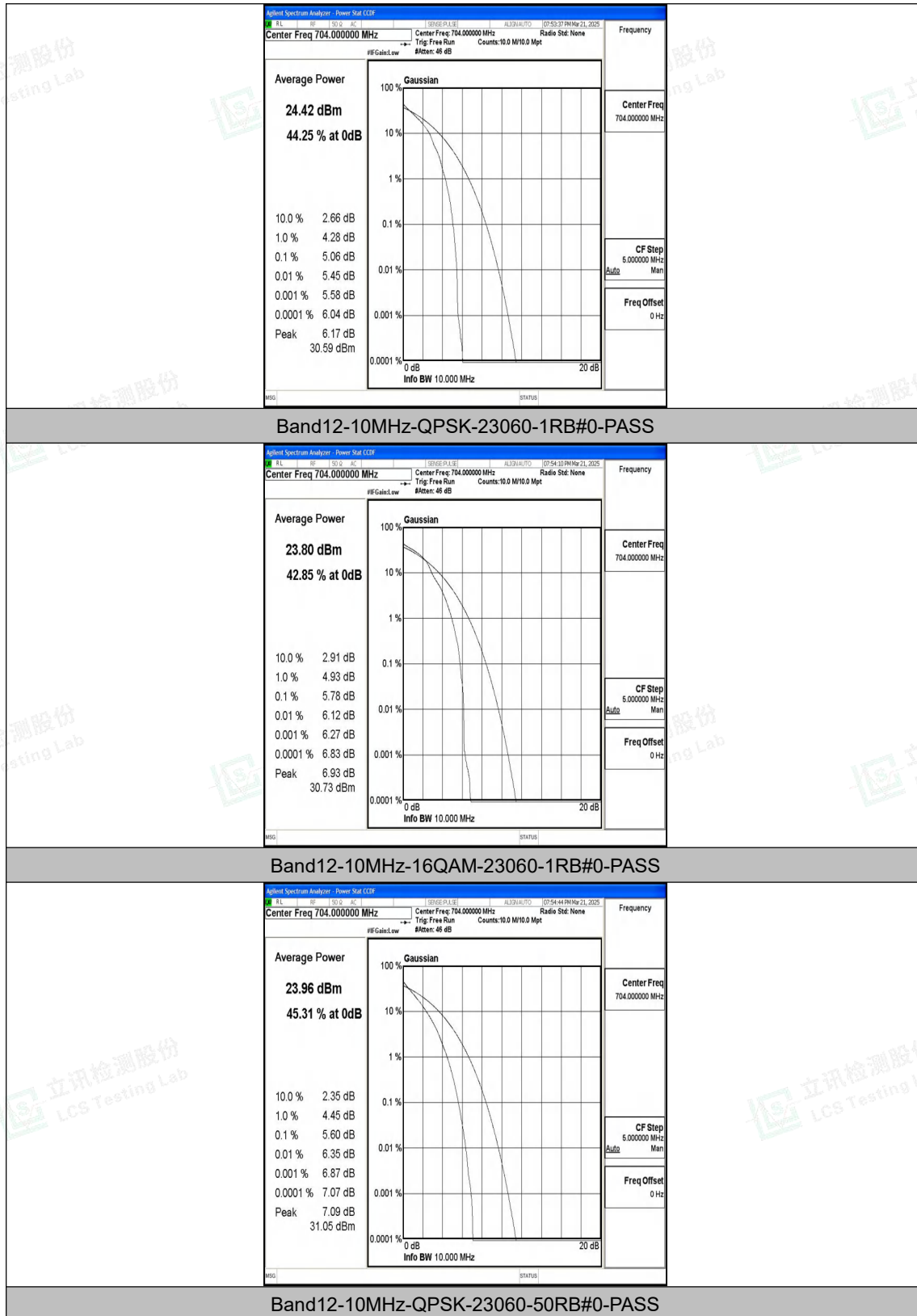


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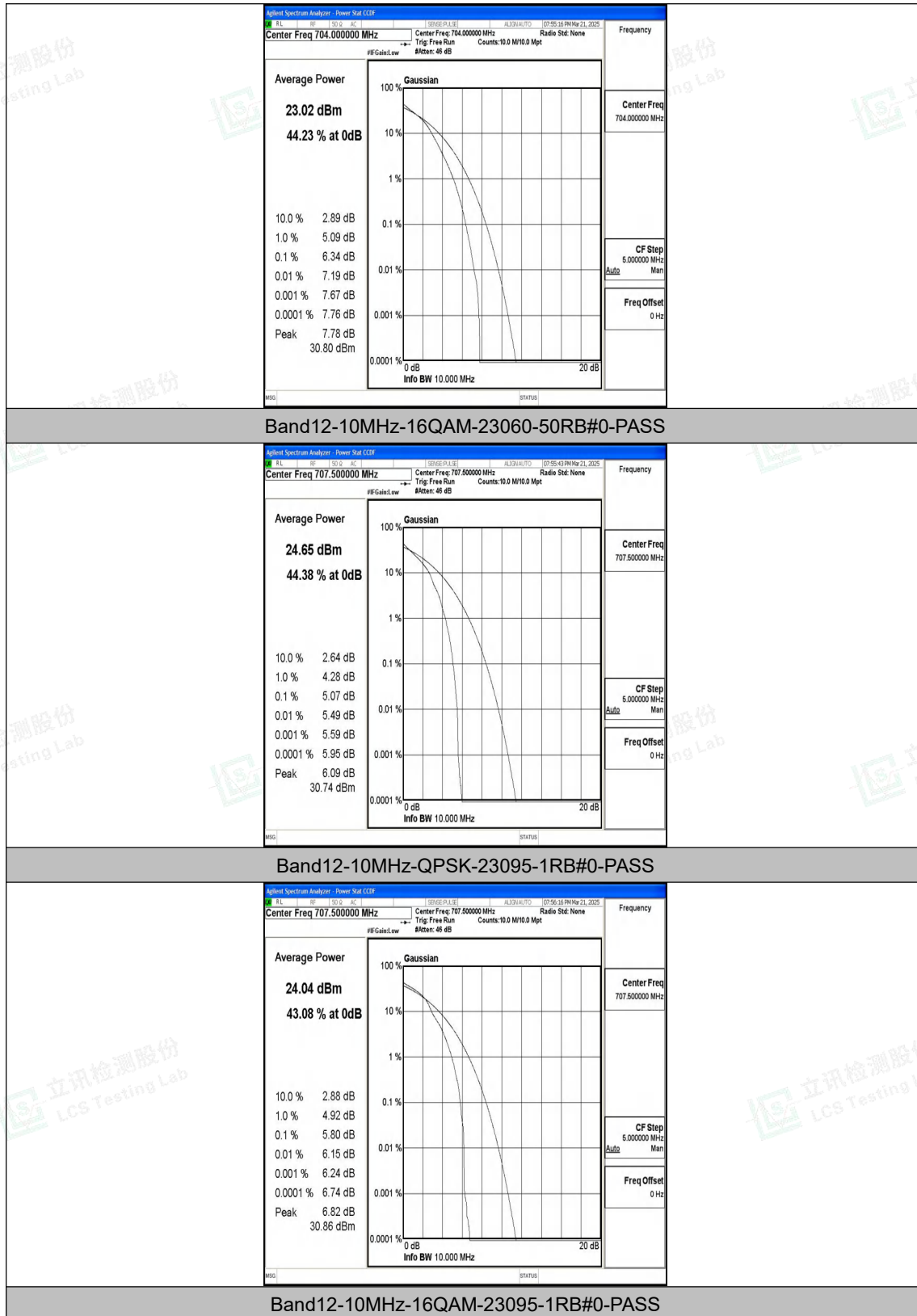


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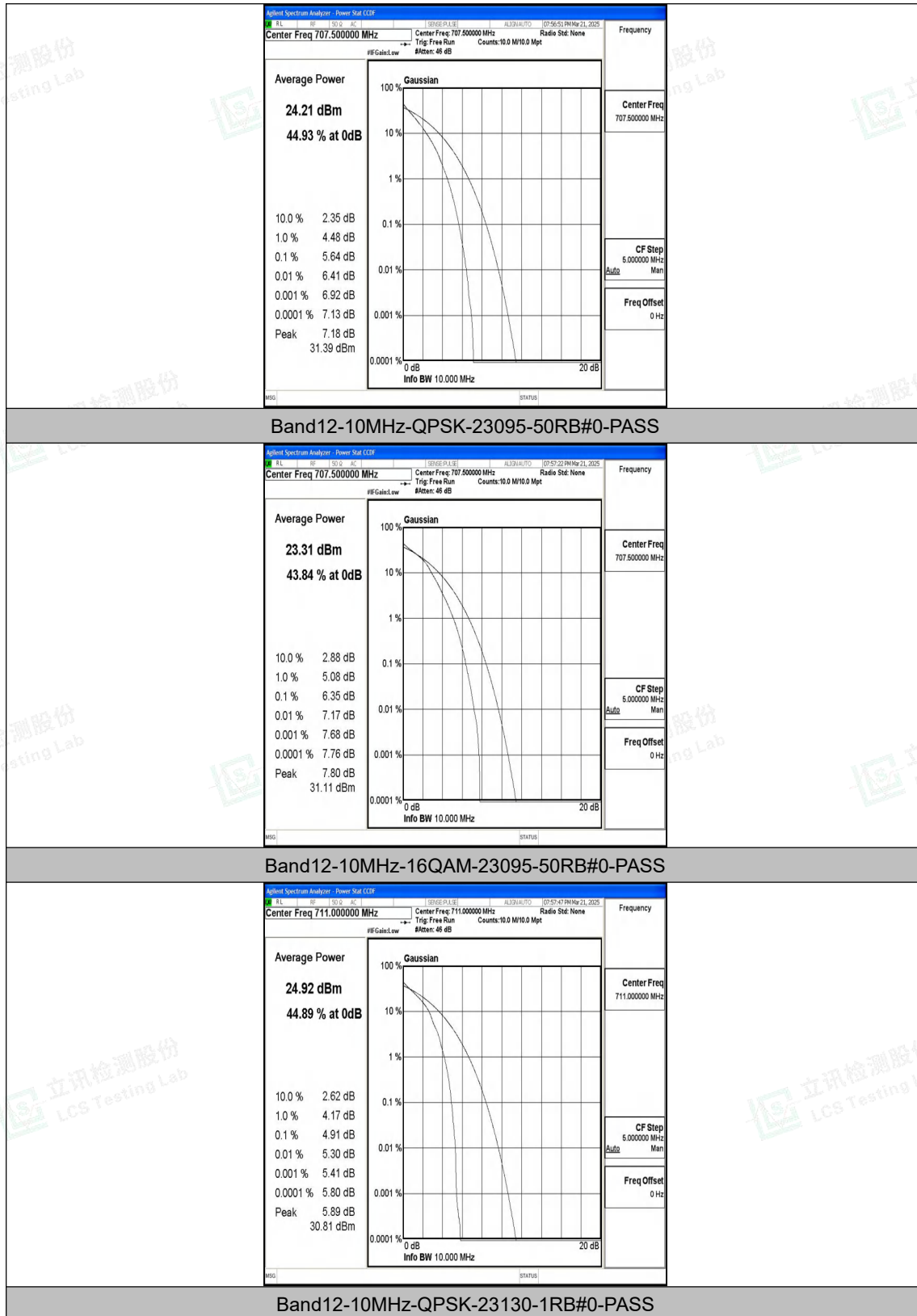


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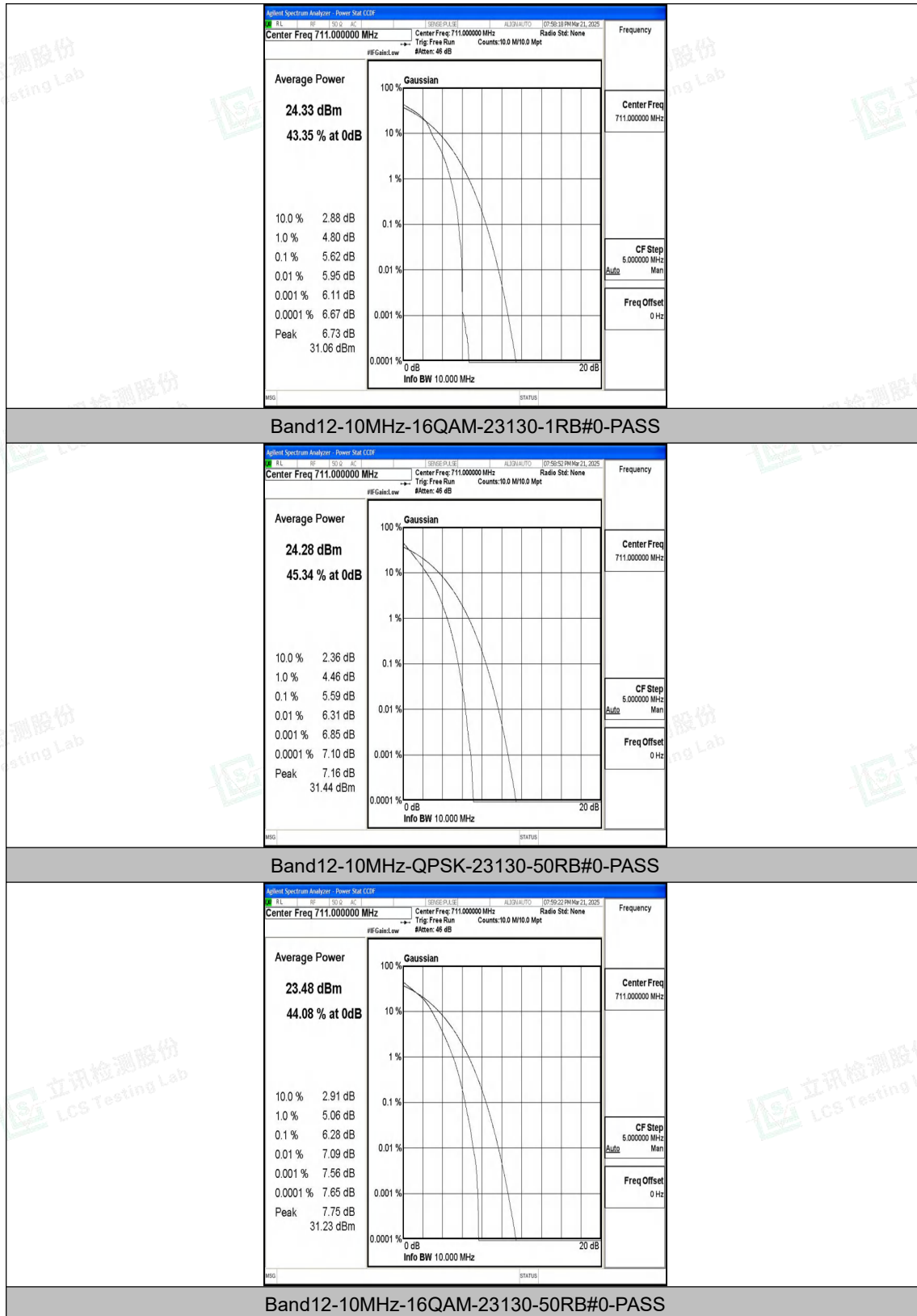


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L.3 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	1.0966	1.308	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	1.1019	1.269	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	1.0942	1.290	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	1.1083	1.288	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	1.0963	1.291	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	1.1062	1.327	PASS
Band12	3MHz	QPSK	23025	15RB#0	2.7716	3.438	PASS
Band12	3MHz	16QAM	23025	15RB#0	2.7571	3.305	PASS
Band12	3MHz	QPSK	23095	15RB#0	2.7771	3.485	PASS
Band12	3MHz	16QAM	23095	15RB#0	2.7681	3.266	PASS
Band12	3MHz	QPSK	23165	15RB#0	2.7745	3.391	PASS
Band12	3MHz	16QAM	23165	15RB#0	2.7495	3.256	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.5227	5.253	PASS
Band12	5MHz	16QAM	23035	25RB#0	4.5317	5.377	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.5341	5.284	PASS
Band12	5MHz	16QAM	23095	25RB#0	4.5251	5.264	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.5127	5.253	PASS
Band12	5MHz	16QAM	23155	25RB#0	4.5173	5.273	PASS
Band12	10MHz	QPSK	23060	50RB#0	9.0058	10.16	PASS
Band12	10MHz	16QAM	23060	50RB#0	8.9876	10.07	PASS
Band12	10MHz	QPSK	23095	50RB#0	8.9867	10.12	PASS
Band12	10MHz	16QAM	23095	50RB#0	8.9943	10.19	PASS
Band12	10MHz	QPSK	23130	50RB#0	8.9878	10.08	PASS
Band12	10MHz	16QAM	23130	50RB#0	9.0000	9.953	PASS



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Test Graphs



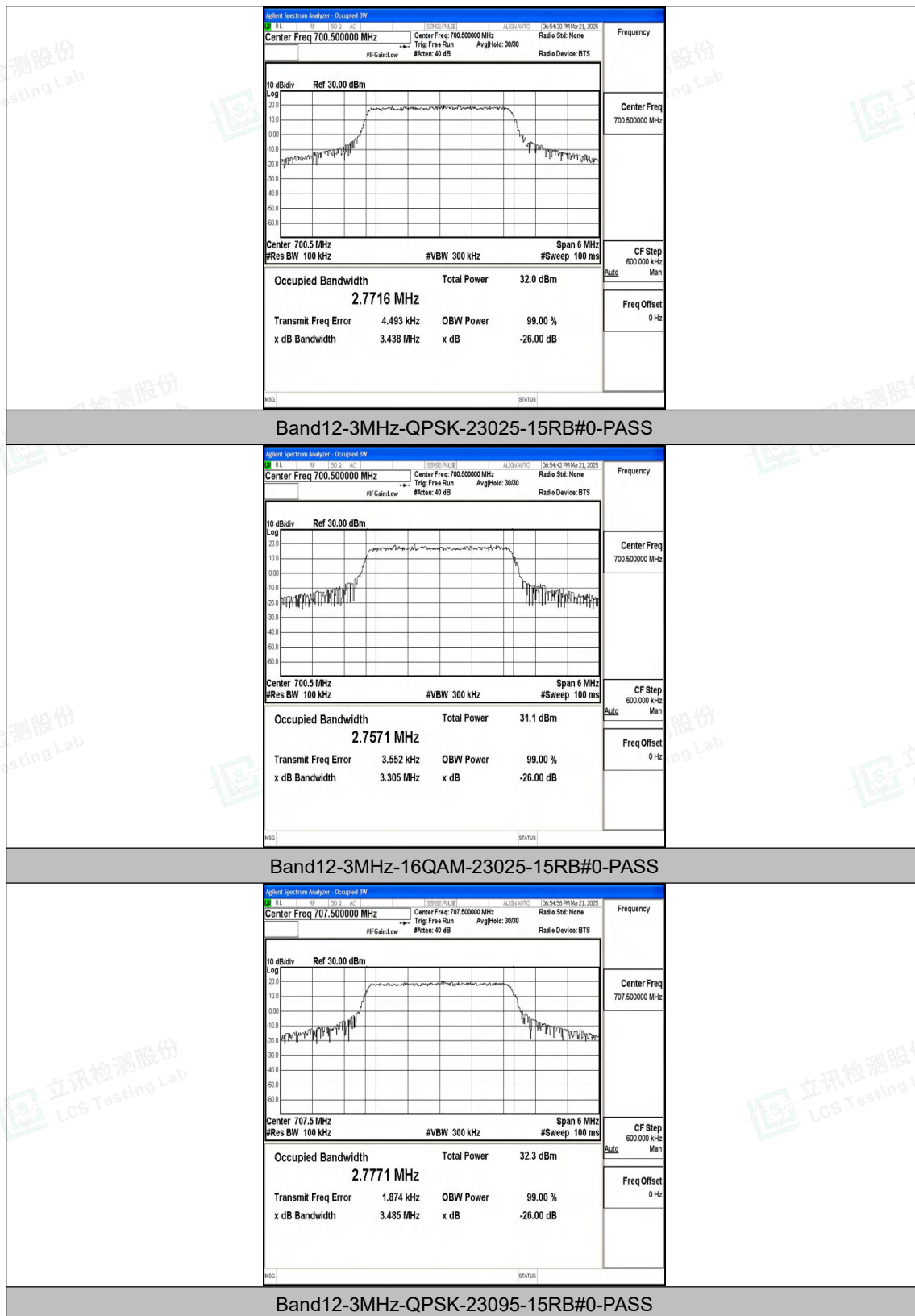
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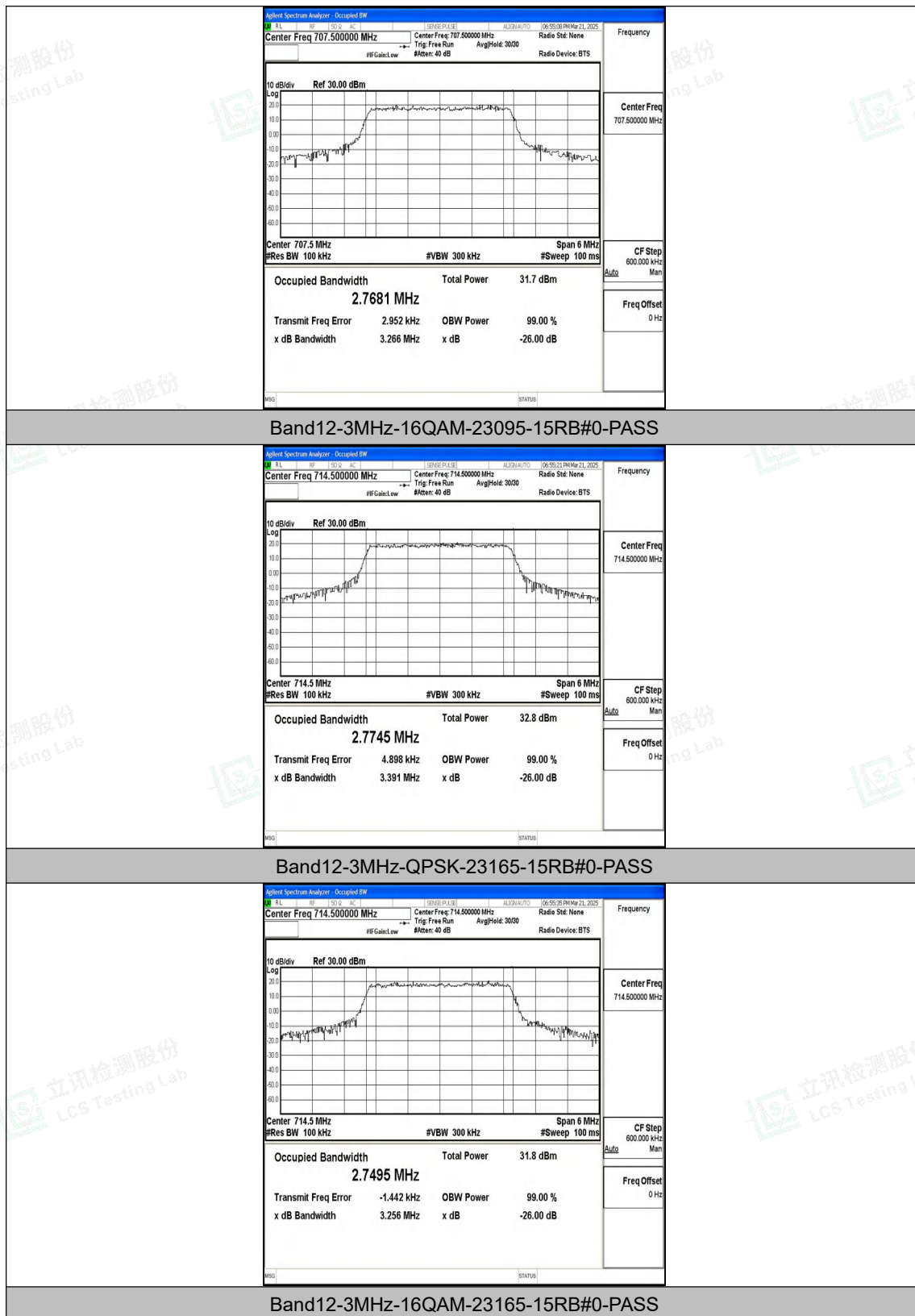
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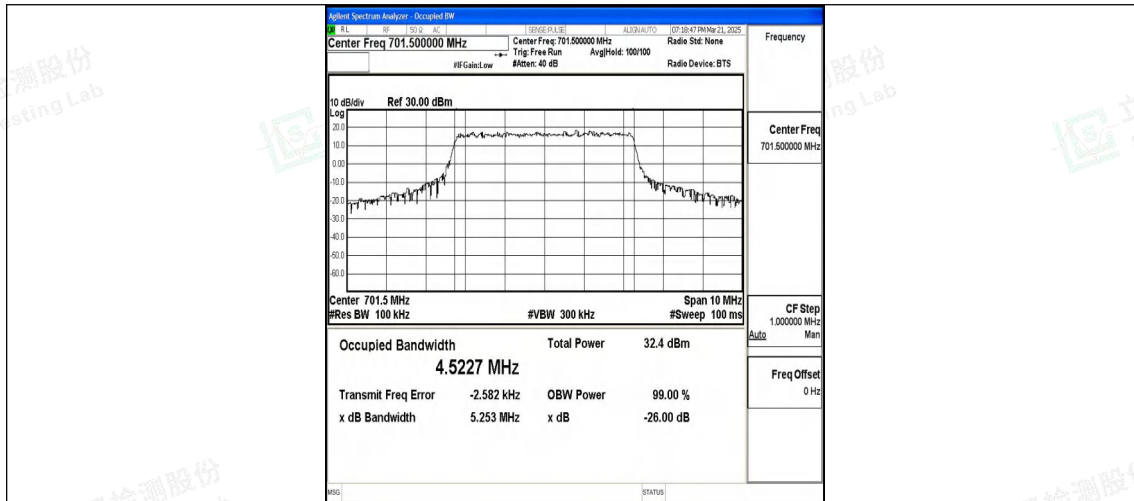


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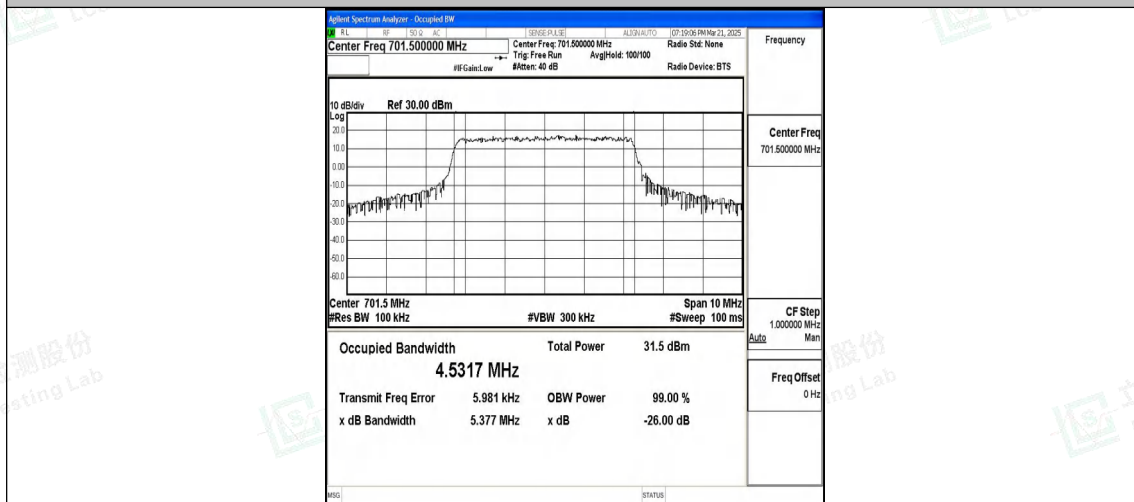
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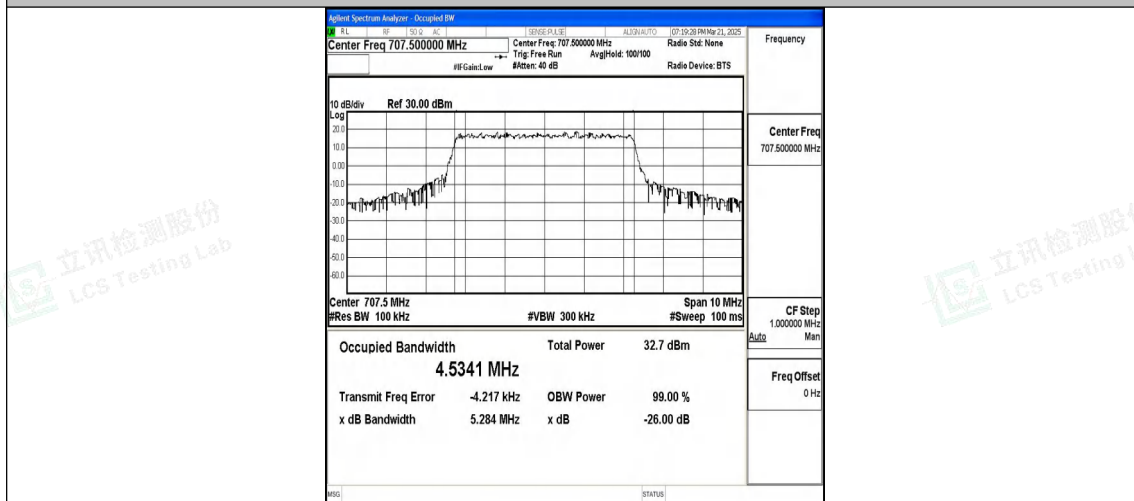
Scan code to check authenticity



Band12-5MHz-QPSK-23035-25RB#0-PASS



Band12-5MHz-16QAM-23035-25RB#0-PASS



Band12-5MHz-QPSK-23095-25RB#0-PASS

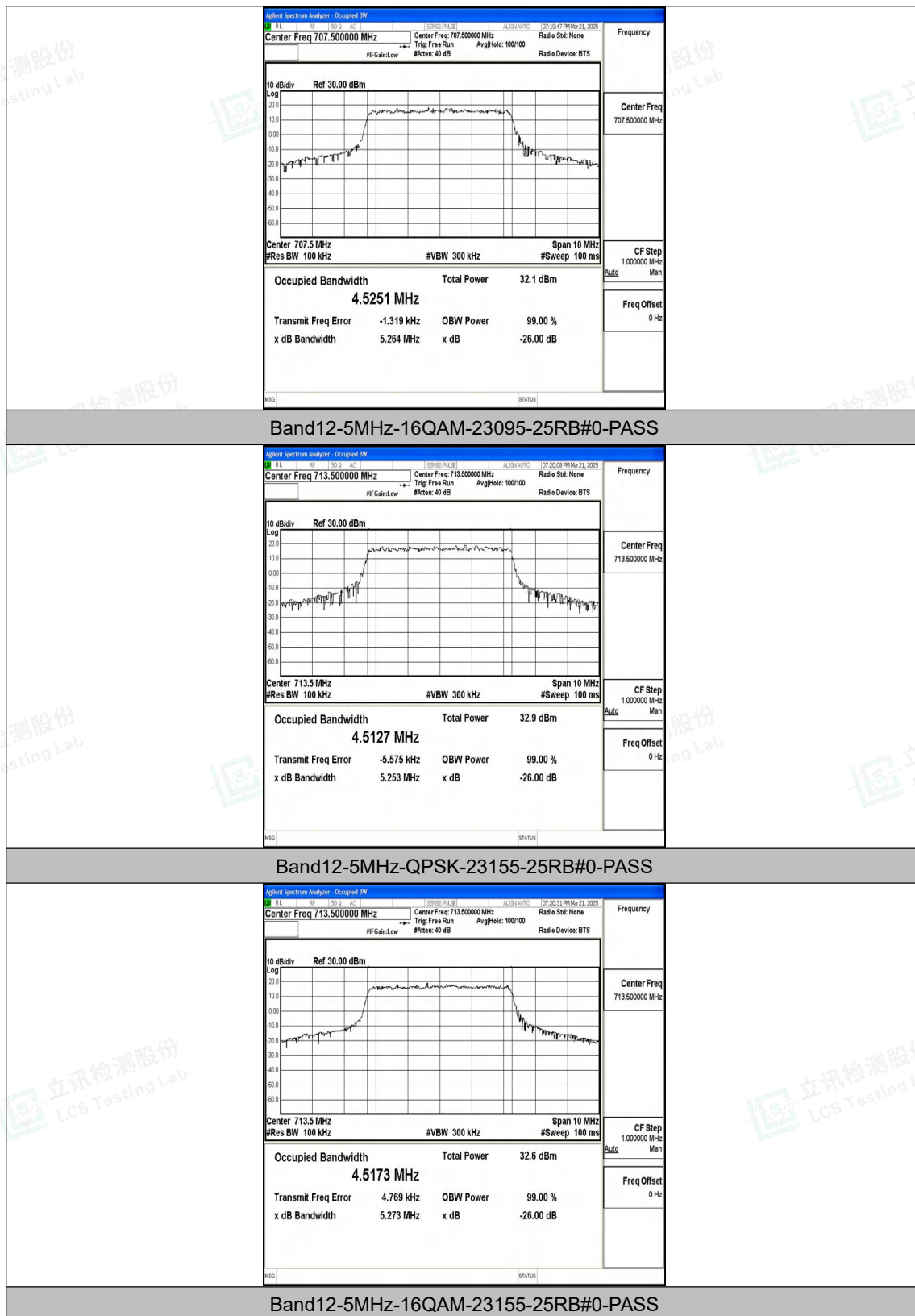


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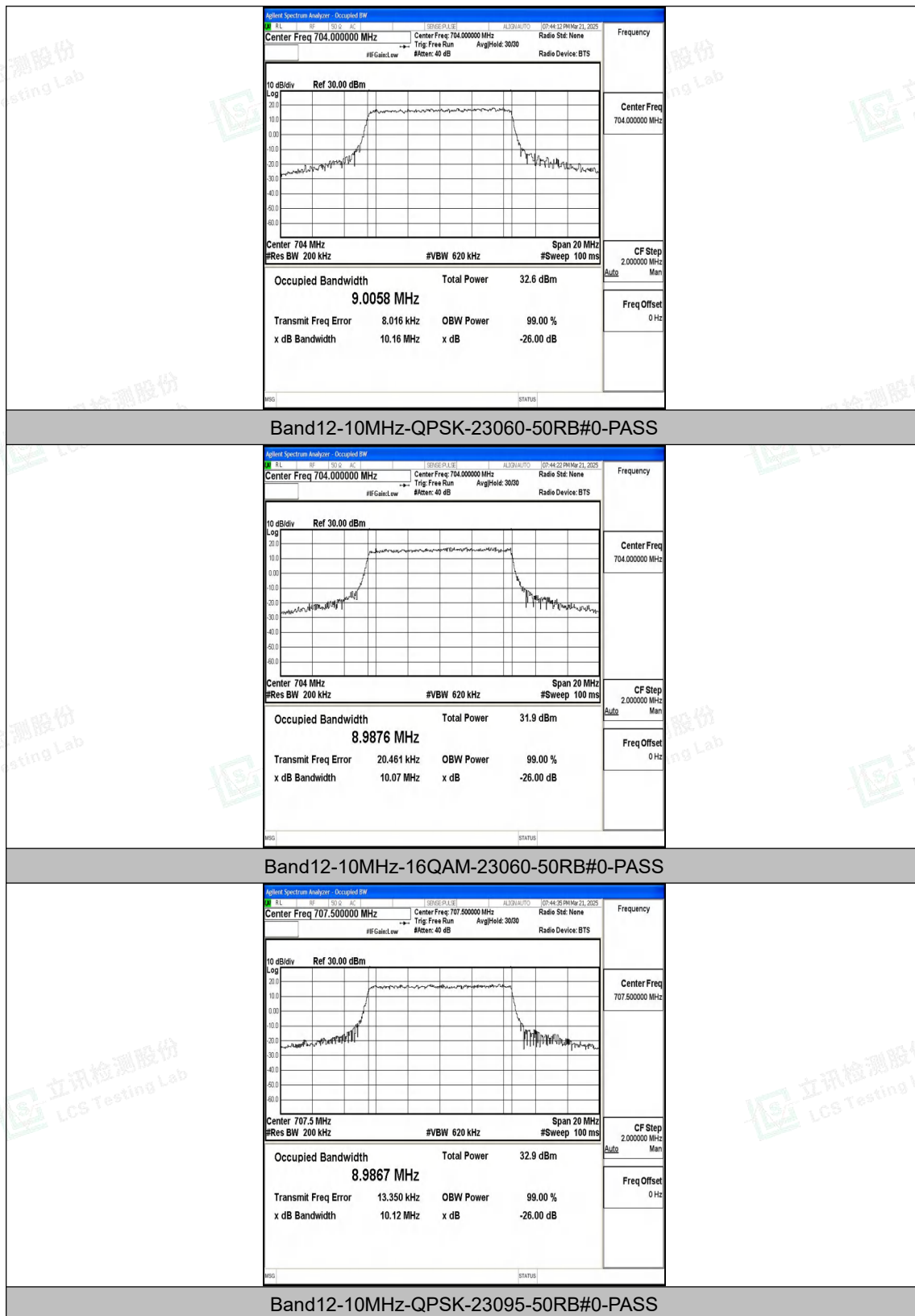


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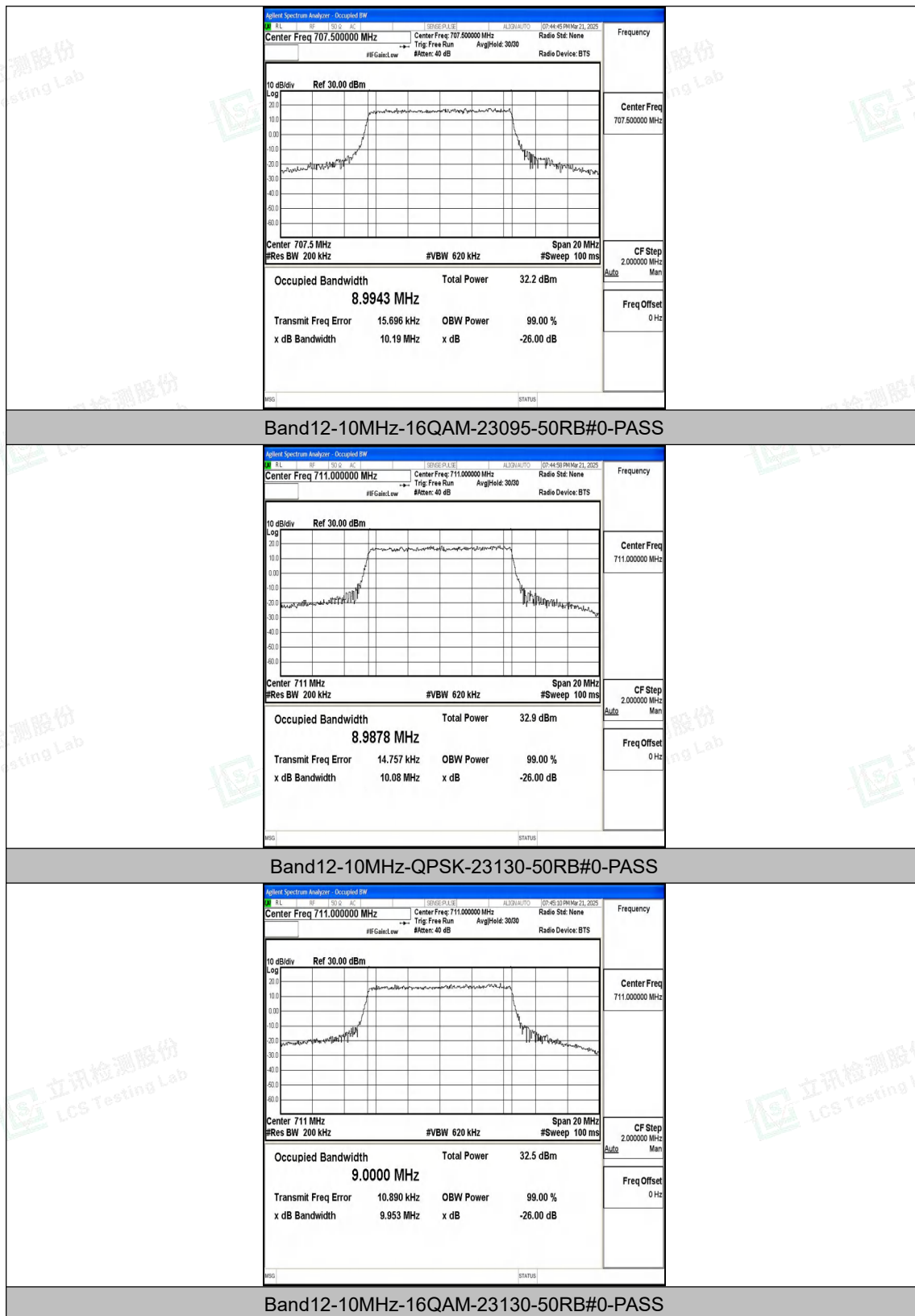


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L.4 Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Peak Frequency	Result(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	698.85	-20.72	PASS_Final1
Band12	1.4MHz	QPSK	23017	6RB#0	698.99	-26.02	PASS_Final2
Band12	1.4MHz	16QAM	23017	6RB#0	698.85	-21.35	PASS_Final1
Band12	1.4MHz	16QAM	23017	6RB#0	698.99	-27.45	PASS_Final2
Band12	1.4MHz	QPSK	23173	6RB#0	716.02	-28.49	PASS_Final1
Band12	1.4MHz	QPSK	23017	6RB#0	698.88	-29.12	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	698.89	-30.74	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	716.19	-30.18	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	716.19	-21.44	PASS_Final2
Band12	1.4MHz	16QAM	23173	6RB#0	716.02	-27.45	PASS_Final1
Band12	1.4MHz	16QAM	23173	6RB#0	716.15	-21.25	PASS_Final2
Band12	1.4MHz	16QAM	23173	6RB#0	716.12	-32.50	PASS
Band12	3MHz	16QAM	23025	15RB#0	698.90	-33.94	PASS
Band12	3MHz	QPSK	23165	15RB#0	716.12	-30.92	PASS
Band12	3MHz	16QAM	23165	15RB#0	716.14	-34.66	PASS
Band12	5MHz	QPSK	23035	25RB#0	698.82	-35.53	PASS
Band12	10MHz	QPSK	23060	50RB#0	698.89	-25.03	PASS
Band12	10MHz	16QAM	23060	50RB#0	698.89	-27.48	PASS
Band12	10MHz	QPSK	23130	50RB#0	716.11	-24.85	PASS
Band12	10MHz	16QAM	23130	50RB#0	716.11	-22.79	PASS
Band12	5MHz	16QAM	23035	25RB#0	698.89	-37.24	PASS
Band12	5MHz	QPSK	23155	25RB#0	716.19	-36.43	PASS
Band12	5MHz	16QAM	23155	25RB#0	716.11	-33.59	PASS
Band12	3MHz	QPSK	23025	15RB#0	698.85	-23.50	PASS_Final1
Band12	3MHz	QPSK	23025	15RB#0	698.98	-23.83	PASS_Final2
Band12	3MHz	16QAM	23025	15RB#0	698.85	-23.94	PASS_Final1
Band12	3MHz	16QAM	23025	15RB#0	698.99	-23.57	PASS_Final2
Band12	3MHz	QPSK	23165	15RB#0	716.02	-23.34	PASS_Final1
Band12	3MHz	QPSK	23165	15RB#0	716.15	-23.60	PASS_Final2
Band12	3MHz	16QAM	23165	15RB#0	716.02	-23.77	PASS_Final1
Band12	3MHz	16QAM	23165	15RB#0	716.15	-24.46	PASS_Final2
Band12	5MHz	QPSK	23035	25RB#0	698.80	-26.36	PASS_Final1
Band12	5MHz	QPSK	23155	25RB#0	716.17	-27.14	PASS_Final1
Band12	5MHz	16QAM	23155	25RB#0	716.15	-26.77	PASS_Final1
Band12	3MHz	QPSK	23025	15RB#0	698.88	-32.50	PASS



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Test Graphs

