



Appendix J: Test Data for E-UTRA Band 12

Product Name: SFO1

Test Model: SFO1

Environmental Conditions

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





J.1 Conducted Output Power Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	23.30	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	22.96	PASS
Band12	1.4MHz	QPSK	23017	1RB#2	23.33	PASS
Band12	1.4MHz	16QAM	23017	1RB#2	22.95	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	23.39	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	22.99	PASS
Band12	1.4MHz	QPSK	23017	3RB#0	23.64	PASS
Band12	1.4MHz	16QAM	23017	3RB#0	22.45	PASS
Band12	1.4MHz	QPSK	23017	3RB#1	23.62	PASS
Band12	1.4MHz	16QAM	23017	3RB#1	22.49	PASS
Band12	1.4MHz	QPSK	23017	3RB#3	23.47	PASS
Band12	1.4MHz	16QAM	23017	3RB#3	22.22	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	22.65	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	21.91	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	23.28	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	23.08	PASS
Band12	1.4MHz	QPSK	23095	1RB#2	23.47	PASS
Band12	1.4MHz	16QAM	23095	1RB#2	23.11	PASS
Band12	1.4MHz	QPSK	23095	1RB#5	23.51	PASS
Band12	1.4MHz	16QAM	23095	1RB#5	23.57	PASS
Band12	1.4MHz	QPSK	23095	3RB#0	23.53	PASS
Band12	1.4MHz	16QAM	23095	3RB#0	22.71	PASS
Band12	1.4MHz	QPSK	23095	3RB#1	23.41	PASS
Band12	1.4MHz	16QAM	23095	3RB#1	22.71	PASS
Band12	1.4MHz	QPSK	23095	3RB#3	23.49	PASS
Band12	1.4MHz	16QAM	23095	3RB#3	22.71	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	22.65	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	21.85	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	23.55	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	22.11	PASS
Band12	1.4MHz	QPSK	23173	1RB#2	23.39	PASS
Band12	1.4MHz	16QAM	23173	1RB#2	22.10	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	23.27	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	22.06	PASS
Band12	1.4MHz	QPSK	23173	3RB#0	23.41	PASS
Band12	1.4MHz	16QAM	23173	3RB#0	22.21	PASS



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Band12	1.4MHz	QPSK	23173	3RB#1	23.40	PASS
Band12	1.4MHz	16QAM	23173	3RB#1	22.21	PASS
Band12	1.4MHz	QPSK	23173	3RB#3	23.54	PASS
Band12	1.4MHz	16QAM	23173	3RB#3	22.70	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	22.52	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	21.86	PASS
Band12	3MHz	QPSK	23025	1RB#0	23.42	PASS
Band12	3MHz	16QAM	23025	1RB#0	22.54	PASS
Band12	3MHz	QPSK	23025	1RB#8	23.25	PASS
Band12	3MHz	16QAM	23025	1RB#8	22.39	PASS
Band12	3MHz	QPSK	23025	1RB#14	23.32	PASS
Band12	3MHz	16QAM	23025	1RB#14	22.22	PASS
Band12	3MHz	QPSK	23025	8RB#0	22.61	PASS
Band12	3MHz	16QAM	23025	8RB#0	21.84	PASS
Band12	3MHz	QPSK	23025	8RB#4	22.61	PASS
Band12	3MHz	16QAM	23025	8RB#4	21.84	PASS
Band12	3MHz	QPSK	23025	8RB#7	22.53	PASS
Band12	3MHz	16QAM	23025	8RB#7	21.82	PASS
Band12	3MHz	QPSK	23025	15RB#0	22.56	PASS
Band12	3MHz	16QAM	23025	15RB#0	21.64	PASS
Band12	3MHz	QPSK	23095	1RB#0	23.51	PASS
Band12	3MHz	16QAM	23095	1RB#0	22.11	PASS
Band12	3MHz	QPSK	23095	1RB#8	23.19	PASS
Band12	3MHz	16QAM	23095	1RB#8	22.14	PASS
Band12	3MHz	QPSK	23095	1RB#14	23.38	PASS
Band12	3MHz	16QAM	23095	1RB#14	22.18	PASS
Band12	3MHz	QPSK	23095	8RB#0	22.48	PASS
Band12	3MHz	16QAM	23095	8RB#0	21.94	PASS
Band12	3MHz	QPSK	23095	8RB#4	22.48	PASS
Band12	3MHz	16QAM	23095	8RB#4	21.94	PASS
Band12	3MHz	QPSK	23095	8RB#7	22.38	PASS
Band12	3MHz	16QAM	23095	8RB#7	21.94	PASS
Band12	3MHz	QPSK	23095	15RB#0	22.38	PASS
Band12	3MHz	16QAM	23095	15RB#0	21.44	PASS
Band12	3MHz	QPSK	23165	1RB#0	23.44	PASS
Band12	3MHz	16QAM	23165	1RB#0	22.96	PASS
Band12	3MHz	QPSK	23165	1RB#8	23.44	PASS
Band12	3MHz	16QAM	23165	1RB#8	22.91	PASS
Band12	3MHz	QPSK	23165	1RB#14	23.43	PASS
Band12	3MHz	16QAM	23165	1RB#14	22.77	PASS
Band12	3MHz	QPSK	23165	8RB#0	22.39	PASS
Band12	3MHz	16QAM	23165	8RB#0	21.58	PASS





Band12	3MHz	QPSK	23165	8RB#4	22.40	PASS
Band12	3MHz	16QAM	23165	8RB#4	21.82	PASS
Band12	3MHz	QPSK	23165	8RB#7	22.59	PASS
Band12	3MHz	16QAM	23165	8RB#7	21.76	PASS
Band12	3MHz	QPSK	23165	15RB#0	22.25	PASS
Band12	3MHz	16QAM	23165	15RB#0	21.78	PASS
Band12	5MHz	QPSK	23035	1RB#0	23.40	PASS
Band12	5MHz	16QAM	23035	1RB#0	21.99	PASS
Band12	5MHz	QPSK	23035	1RB#12	23.46	PASS
Band12	5MHz	16QAM	23035	1RB#12	22.03	PASS
Band12	5MHz	QPSK	23035	1RB#24	23.44	PASS
Band12	5MHz	16QAM	23035	1RB#24	21.93	PASS
Band12	5MHz	QPSK	23035	12RB#0	22.51	PASS
Band12	5MHz	16QAM	23035	12RB#0	21.58	PASS
Band12	5MHz	QPSK	23035	12RB#6	22.47	PASS
Band12	5MHz	16QAM	23035	12RB#6	21.71	PASS
Band12	5MHz	QPSK	23035	12RB#13	22.54	PASS
Band12	5MHz	16QAM	23035	12RB#13	21.58	PASS
Band12	5MHz	QPSK	23035	25RB#0	22.55	PASS
Band12	5MHz	16QAM	23035	25RB#0	21.78	PASS
Band12	5MHz	QPSK	23095	1RB#0	23.28	PASS
Band12	5MHz	16QAM	23095	1RB#0	22.76	PASS
Band12	5MHz	QPSK	23095	1RB#12	23.27	PASS
Band12	5MHz	16QAM	23095	1RB#12	22.79	PASS
Band12	5MHz	QPSK	23095	1RB#24	23.43	PASS
Band12	5MHz	16QAM	23095	1RB#24	22.25	PASS
Band12	5MHz	QPSK	23095	12RB#0	22.46	PASS
Band12	5MHz	16QAM	23095	12RB#0	21.60	PASS
Band12	5MHz	QPSK	23095	12RB#6	22.47	PASS
Band12	5MHz	16QAM	23095	12RB#6	21.54	PASS
Band12	5MHz	QPSK	23095	12RB#13	22.51	PASS
Band12	5MHz	16QAM	23095	12RB#13	21.69	PASS
Band12	5MHz	QPSK	23095	25RB#0	22.53	PASS
Band12	5MHz	16QAM	23095	25RB#0	21.69	PASS
Band12	5MHz	QPSK	23155	1RB#0	23.27	PASS
Band12	5MHz	16QAM	23155	1RB#0	22.13	PASS
Band12	5MHz	QPSK	23155	1RB#12	23.23	PASS
Band12	5MHz	16QAM	23155	1RB#12	22.32	PASS
Band12	5MHz	QPSK	23155	1RB#24	23.63	PASS
Band12	5MHz	16QAM	23155	1RB#24	22.37	PASS
Band12	5MHz	QPSK	23155	12RB#0	22.51	PASS
Band12	5MHz	16QAM	23155	12RB#0	21.56	PASS





Band12	5MHz	QPSK	23155	12RB#6	22.52	PASS
Band12	5MHz	16QAM	23155	12RB#6	21.56	PASS
Band12	5MHz	QPSK	23155	12RB#13	22.51	PASS
Band12	5MHz	16QAM	23155	12RB#13	21.61	PASS
Band12	5MHz	QPSK	23155	25RB#0	22.50	PASS
Band12	5MHz	16QAM	23155	25RB#0	21.77	PASS
Band12	10MHz	QPSK	23060	1RB#0	23.37	PASS
Band12	10MHz	16QAM	23060	1RB#0	22.68	PASS
Band12	10MHz	QPSK	23060	1RB#24	23.32	PASS
Band12	10MHz	16QAM	23060	1RB#24	22.67	PASS
Band12	10MHz	QPSK	23060	1RB#49	23.26	PASS
Band12	10MHz	16QAM	23060	1RB#49	22.73	PASS
Band12	10MHz	QPSK	23060	25RB#0	22.47	PASS
Band12	10MHz	16QAM	23060	25RB#0	21.55	PASS
Band12	10MHz	QPSK	23060	25RB#12	22.53	PASS
Band12	10MHz	16QAM	23060	25RB#12	21.55	PASS
Band12	10MHz	QPSK	23060	25RB#25	22.50	PASS
Band12	10MHz	16QAM	23060	25RB#25	21.54	PASS
Band12	10MHz	QPSK	23060	50RB#0	22.40	PASS
Band12	10MHz	16QAM	23060	50RB#0	21.56	PASS
Band12	10MHz	QPSK	23095	1RB#0	23.63	PASS
Band12	10MHz	16QAM	23095	1RB#0	22.50	PASS
Band12	10MHz	QPSK	23095	1RB#24	23.58	PASS
Band12	10MHz	16QAM	23095	1RB#24	22.54	PASS
Band12	10MHz	QPSK	23095	1RB#49	23.60	PASS
Band12	10MHz	16QAM	23095	1RB#49	21.93	PASS
Band12	10MHz	QPSK	23095	25RB#0	22.58	PASS
Band12	10MHz	16QAM	23095	25RB#0	21.78	PASS
Band12	10MHz	QPSK	23095	25RB#12	22.58	PASS
Band12	10MHz	16QAM	23095	25RB#12	21.78	PASS
Band12	10MHz	QPSK	23095	25RB#25	22.42	PASS
Band12	10MHz	16QAM	23095	25RB#25	21.72	PASS
Band12	10MHz	QPSK	23095	50RB#0	22.61	PASS
Band12	10MHz	16QAM	23095	50RB#0	21.67	PASS
Band12	10MHz	QPSK	23130	1RB#0	23.32	PASS
Band12	10MHz	16QAM	23130	1RB#0	23.17	PASS
Band12	10MHz	QPSK	23130	1RB#24	23.22	PASS
Band12	10MHz	16QAM	23130	1RB#24	23.21	PASS
Band12	10MHz	QPSK	23130	1RB#49	23.27	PASS
Band12	10MHz	16QAM	23130	1RB#49	23.20	PASS
Band12	10MHz	QPSK	23130	25RB#0	22.62	PASS
Band12	10MHz	16QAM	23130	25RB#0	21.68	PASS





Band12	10MHz	QPSK	23130	25RB#12	22.26	PASS
Band12	10MHz	16QAM	23130	25RB#12	21.68	PASS
Band12	10MHz	QPSK	23130	25RB#25	22.56	PASS
Band12	10MHz	16QAM	23130	25RB#25	21.77	PASS
Band12	10MHz	QPSK	23130	50RB#0	22.39	PASS
Band12	10MHz	16QAM	23130	50RB#0	21.64	PASS





J.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	4.89	13	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	5.39	13	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	5.54	13	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	6.30	13	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	5.00	13	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	5.56	13	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	5.61	13	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	6.35	13	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	4.56	13	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	5.21	13	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	5.19	13	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	5.90	13	PASS
Band12	3MHz	QPSK	23025	1RB#0	5.01	13	PASS
Band12	3MHz	16QAM	23025	1RB#0	5.86	13	PASS
Band12	3MHz	QPSK	23025	15RB#0	5.57	13	PASS
Band12	3MHz	16QAM	23025	15RB#0	6.35	13	PASS
Band12	3MHz	QPSK	23095	1RB#0	4.95	13	PASS
Band12	3MHz	16QAM	23095	1RB#0	5.78	13	PASS
Band12	3MHz	QPSK	23095	15RB#0	5.54	13	PASS
Band12	3MHz	16QAM	23095	15RB#0	6.30	13	PASS
Band12	3MHz	QPSK	23165	1RB#0	4.66	13	PASS
Band12	3MHz	16QAM	23165	1RB#0	5.48	13	PASS
Band12	3MHz	QPSK	23165	15RB#0	5.21	13	PASS
Band12	3MHz	16QAM	23165	15RB#0	5.97	13	PASS
Band12	5MHz	QPSK	23035	1RB#0	5.07	13	PASS
Band12	5MHz	16QAM	23035	1RB#0	5.86	13	PASS
Band12	5MHz	QPSK	23035	25RB#0	5.65	13	PASS
Band12	5MHz	16QAM	23035	25RB#0	6.31	13	PASS
Band12	5MHz	QPSK	23095	1RB#0	4.96	13	PASS
Band12	5MHz	16QAM	23095	1RB#0	5.76	13	PASS
Band12	5MHz	QPSK	23095	25RB#0	5.64	13	PASS
Band12	5MHz	16QAM	23095	25RB#0	6.28	13	PASS
Band12	5MHz	QPSK	23155	1RB#0	4.90	13	PASS
Band12	5MHz	16QAM	23155	1RB#0	5.74	13	PASS
Band12	5MHz	QPSK	23155	25RB#0	5.46	13	PASS
Band12	5MHz	16QAM	23155	25RB#0	6.12	13	PASS



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Band12	10MHz	QPSK	23060	1RB#0	5.00	13	PASS
Band12	10MHz	16QAM	23060	1RB#0	5.73	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	5.03	13	PASS
Band12	10MHz	16QAM	23095	1RB#0	5.81	13	PASS
Band12	10MHz	QPSK	23095	50RB#0	5.66	13	PASS
Band12	10MHz	16QAM	23095	50RB#0	6.34	13	PASS
Band12	10MHz	QPSK	23130	1RB#0	4.93	13	PASS
Band12	10MHz	16QAM	23130	1RB#0	5.85	13	PASS
Band12	10MHz	QPSK	23130	50RB#0	5.56	13	PASS
Band12	10MHz	16QAM	23130	50RB#0	6.26	13	PASS



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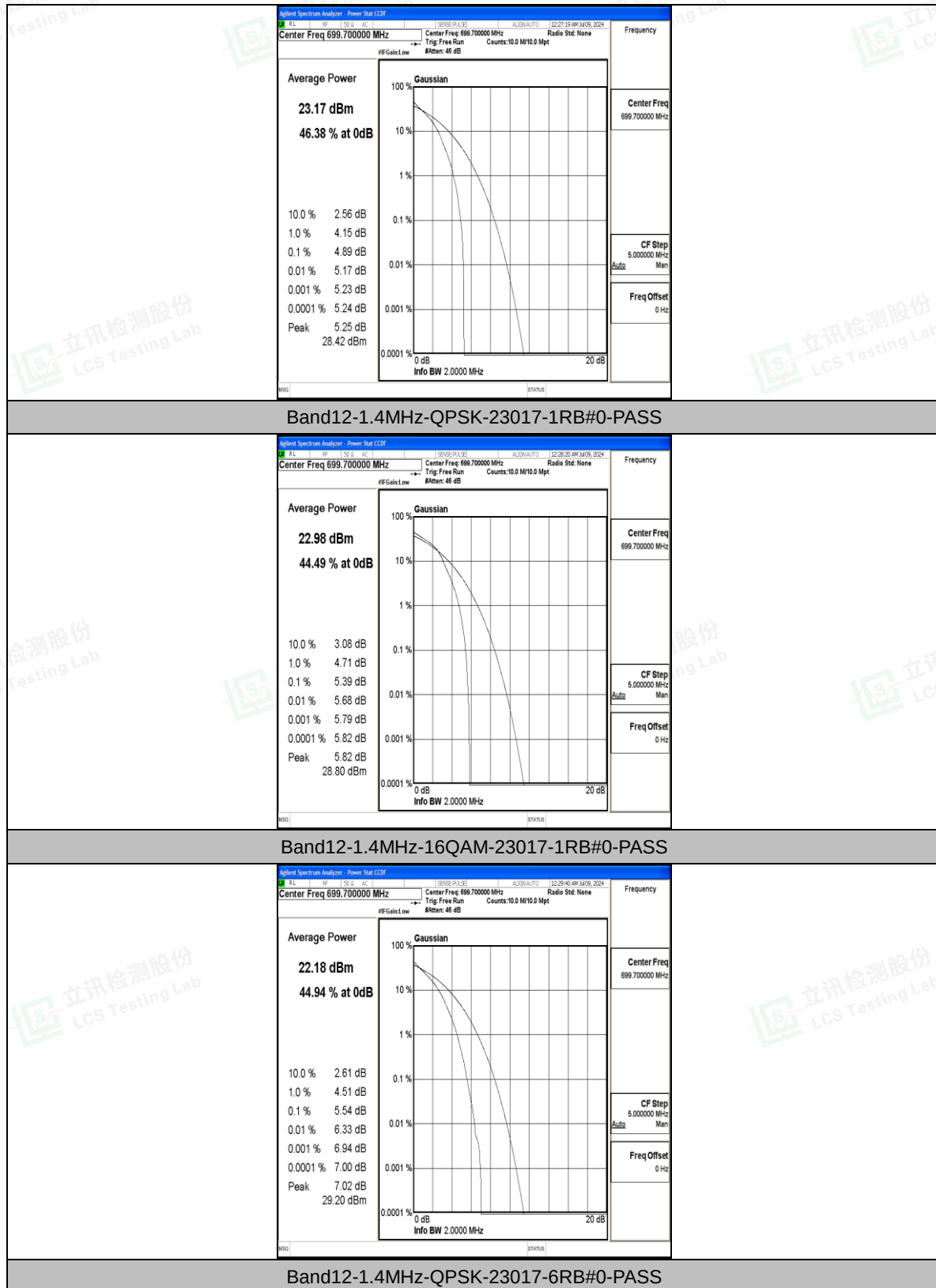
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Test Graphs

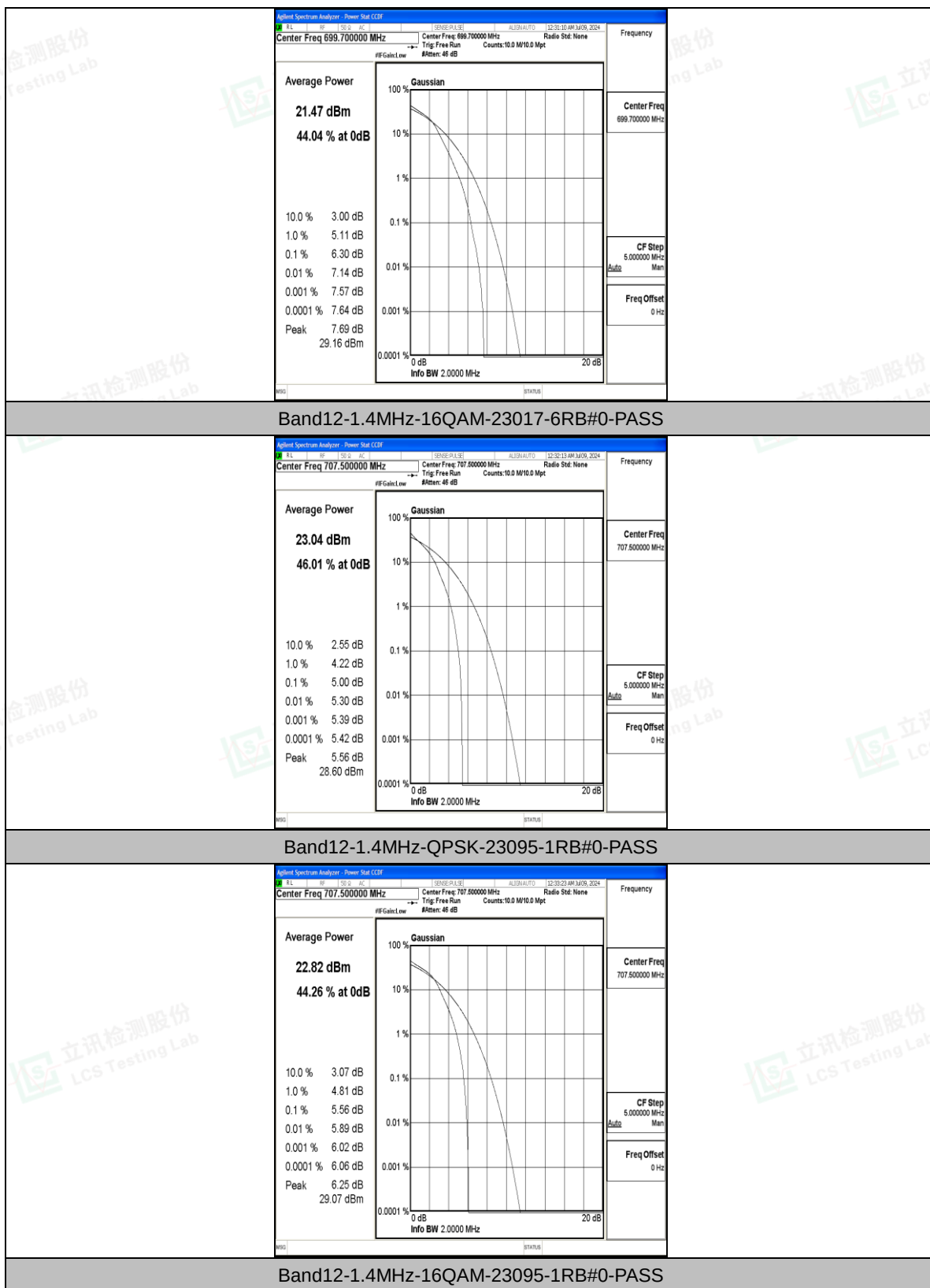


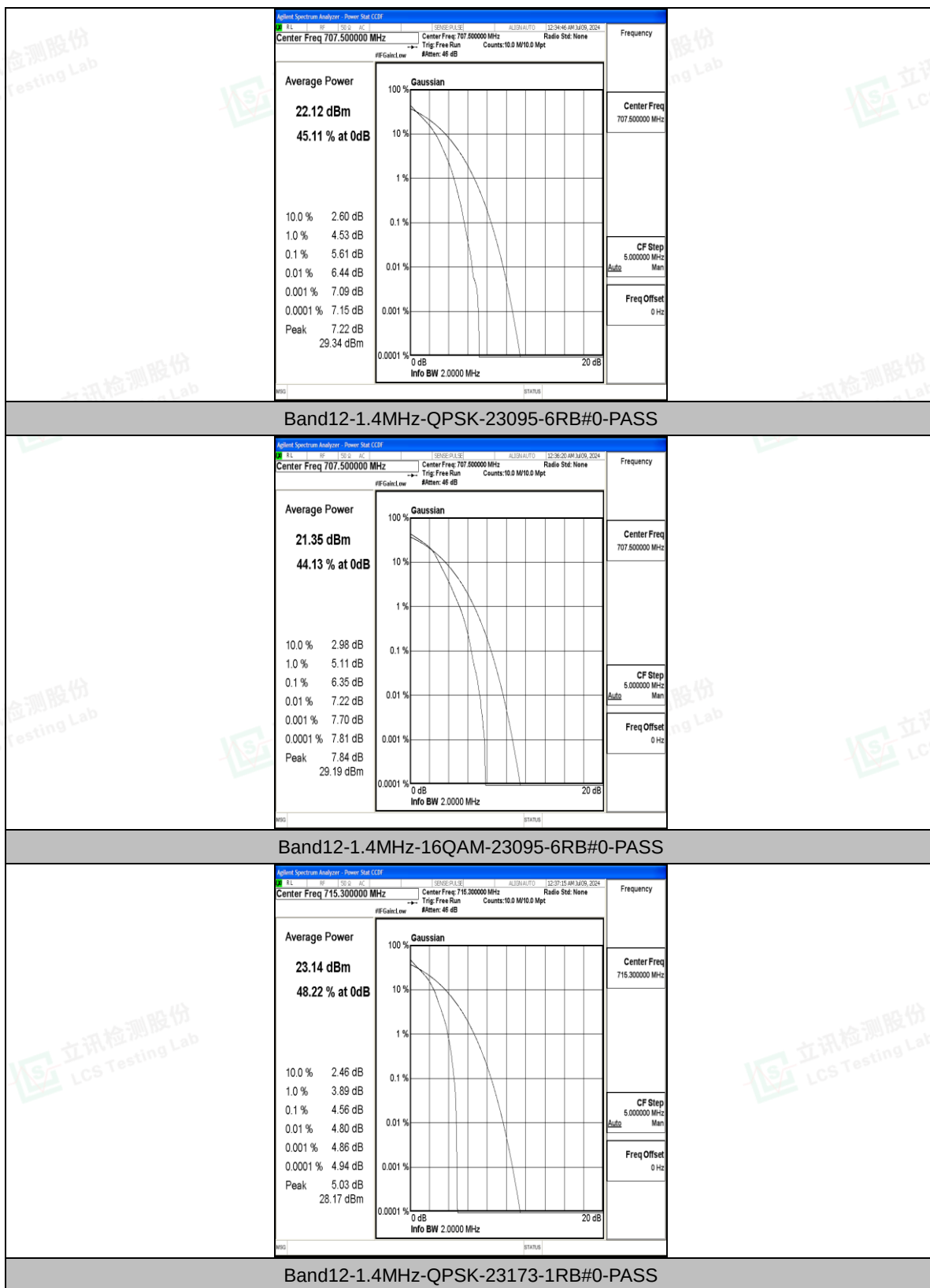
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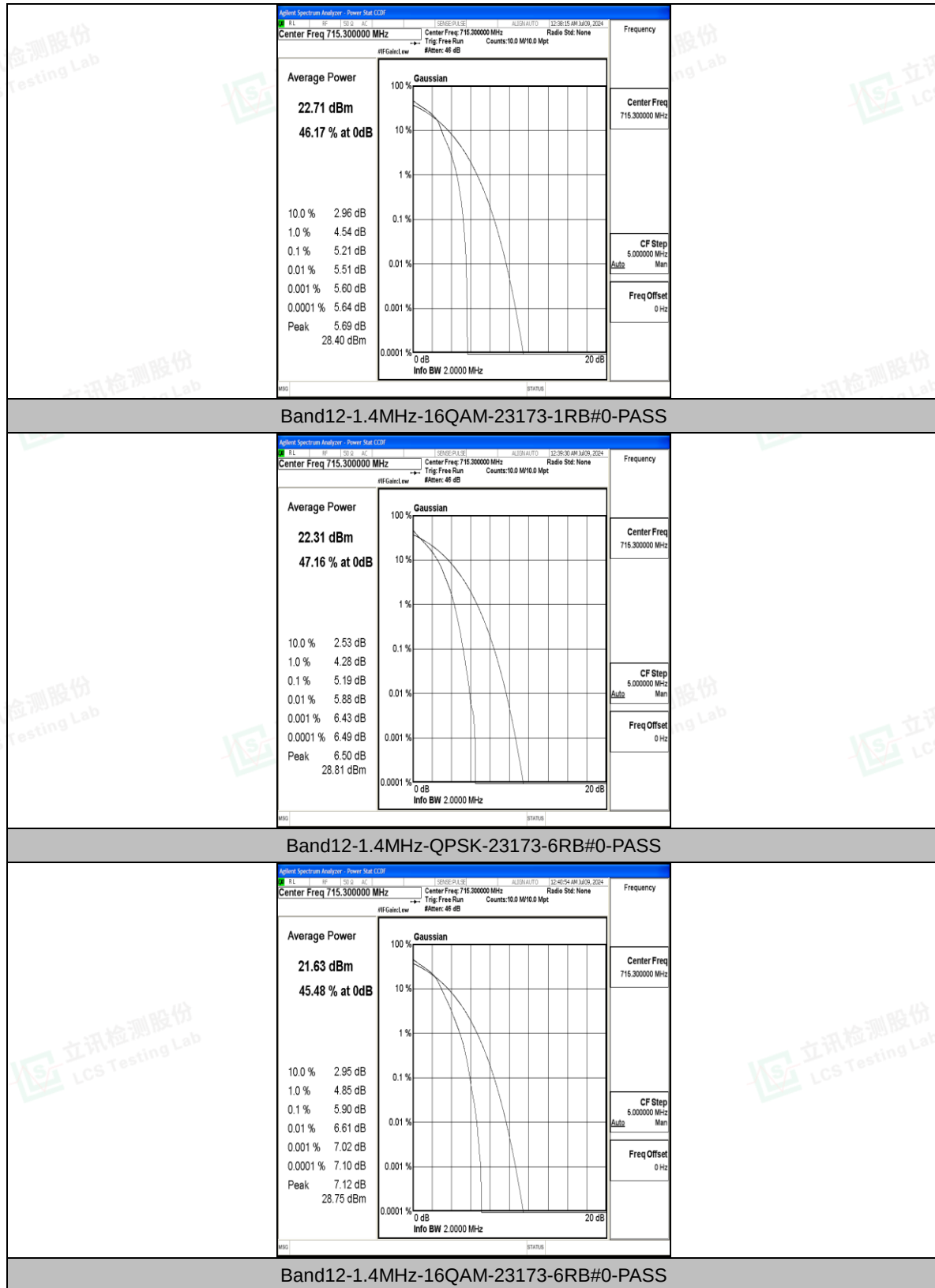
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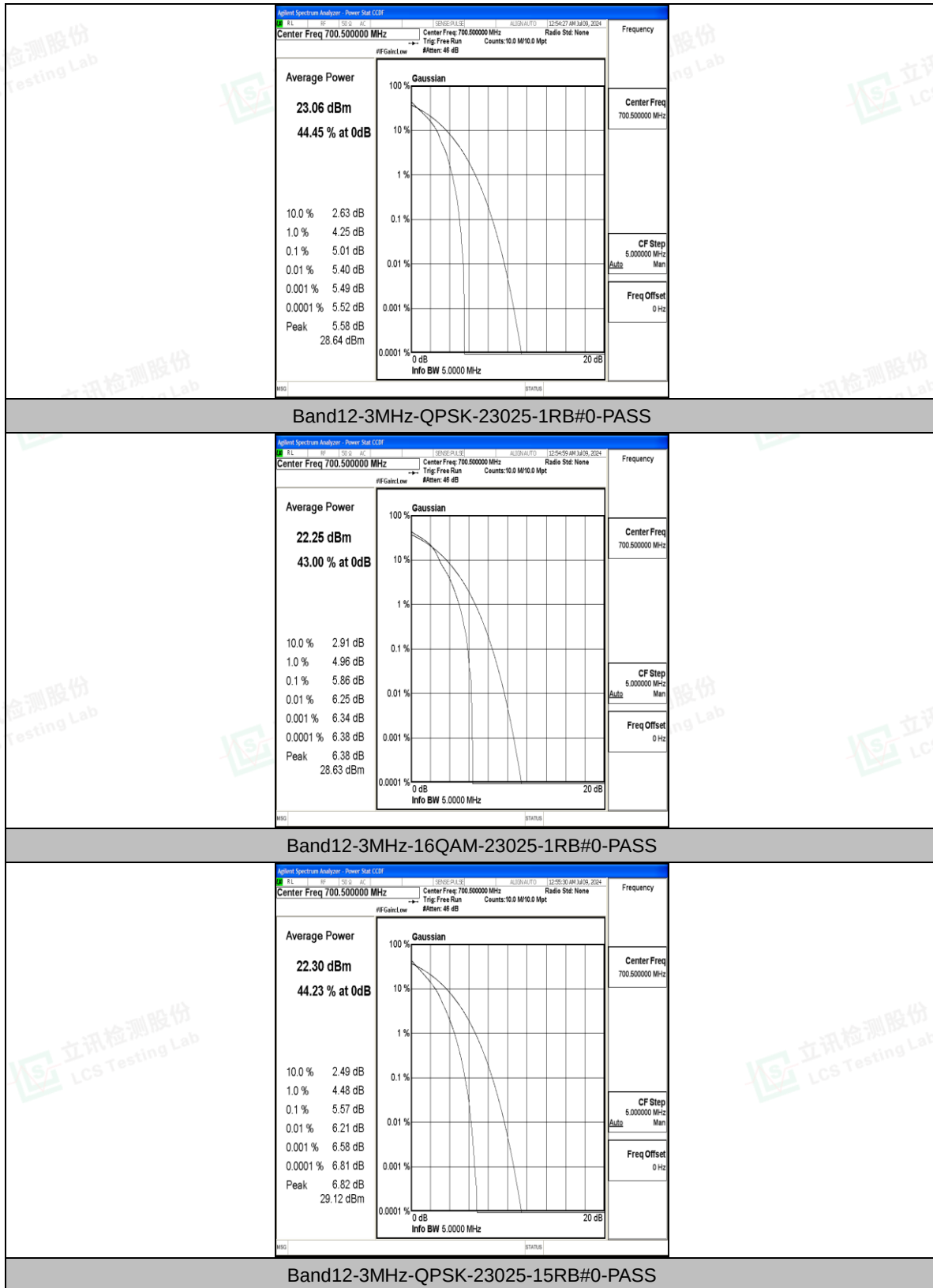
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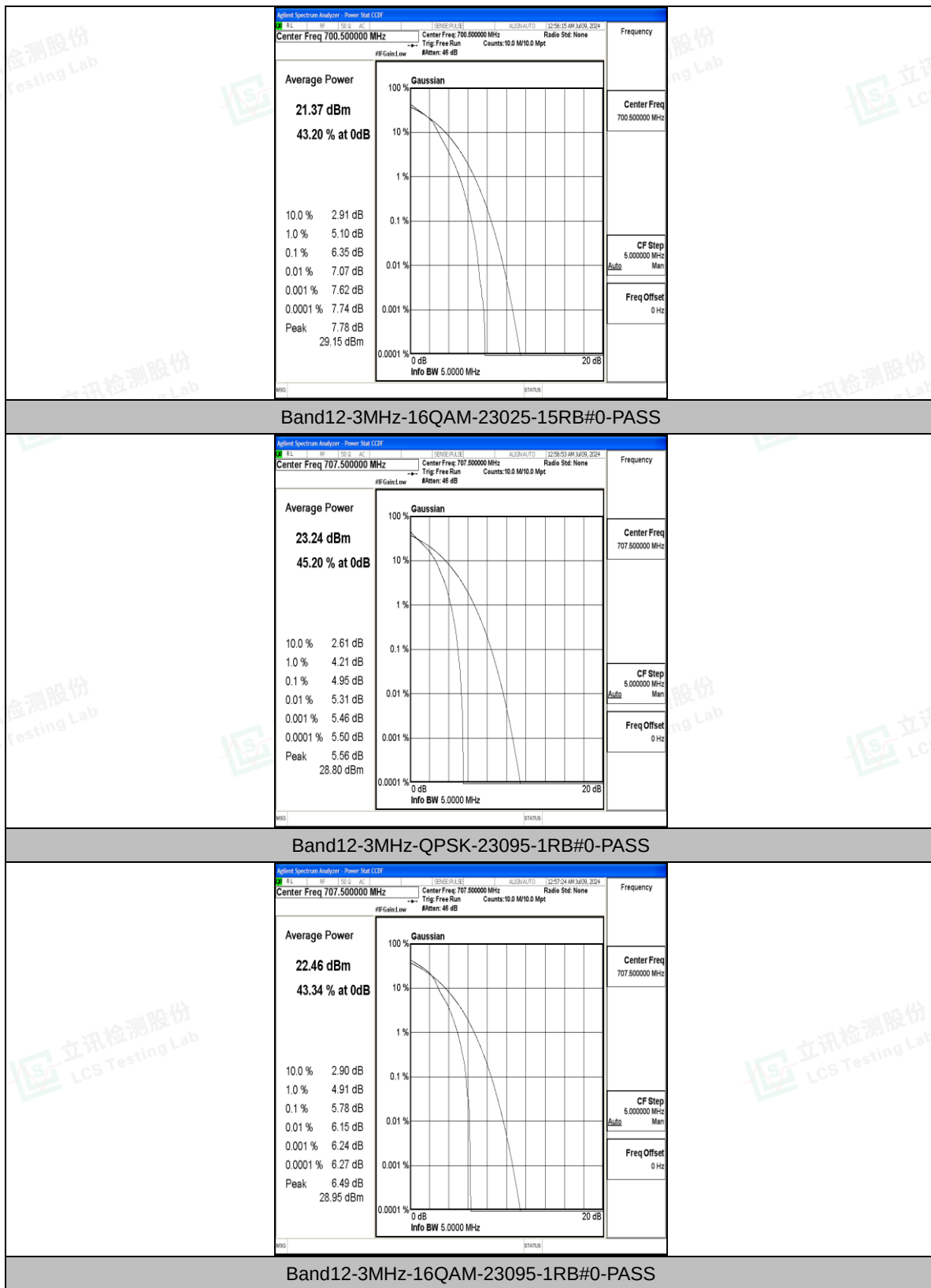
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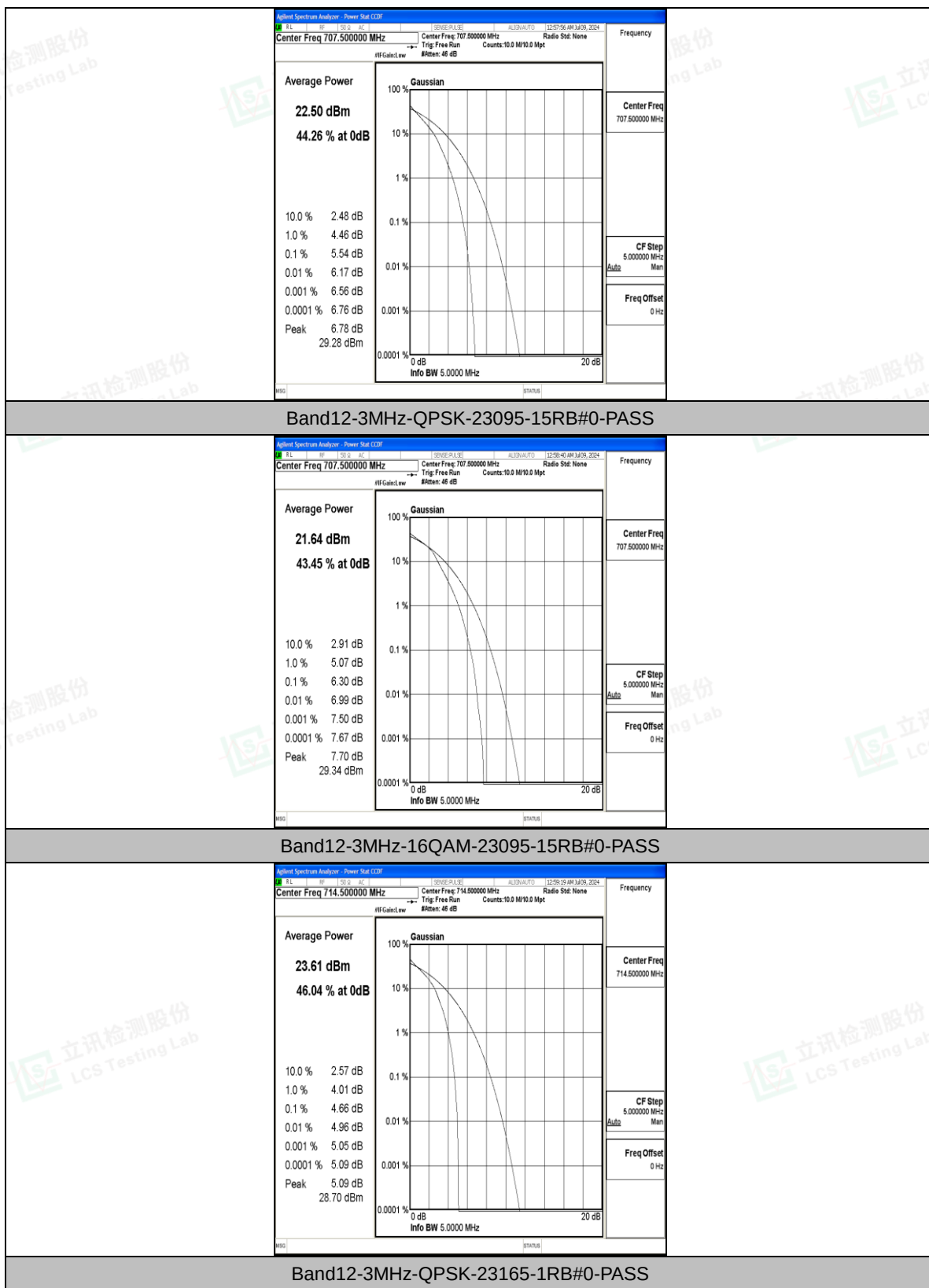


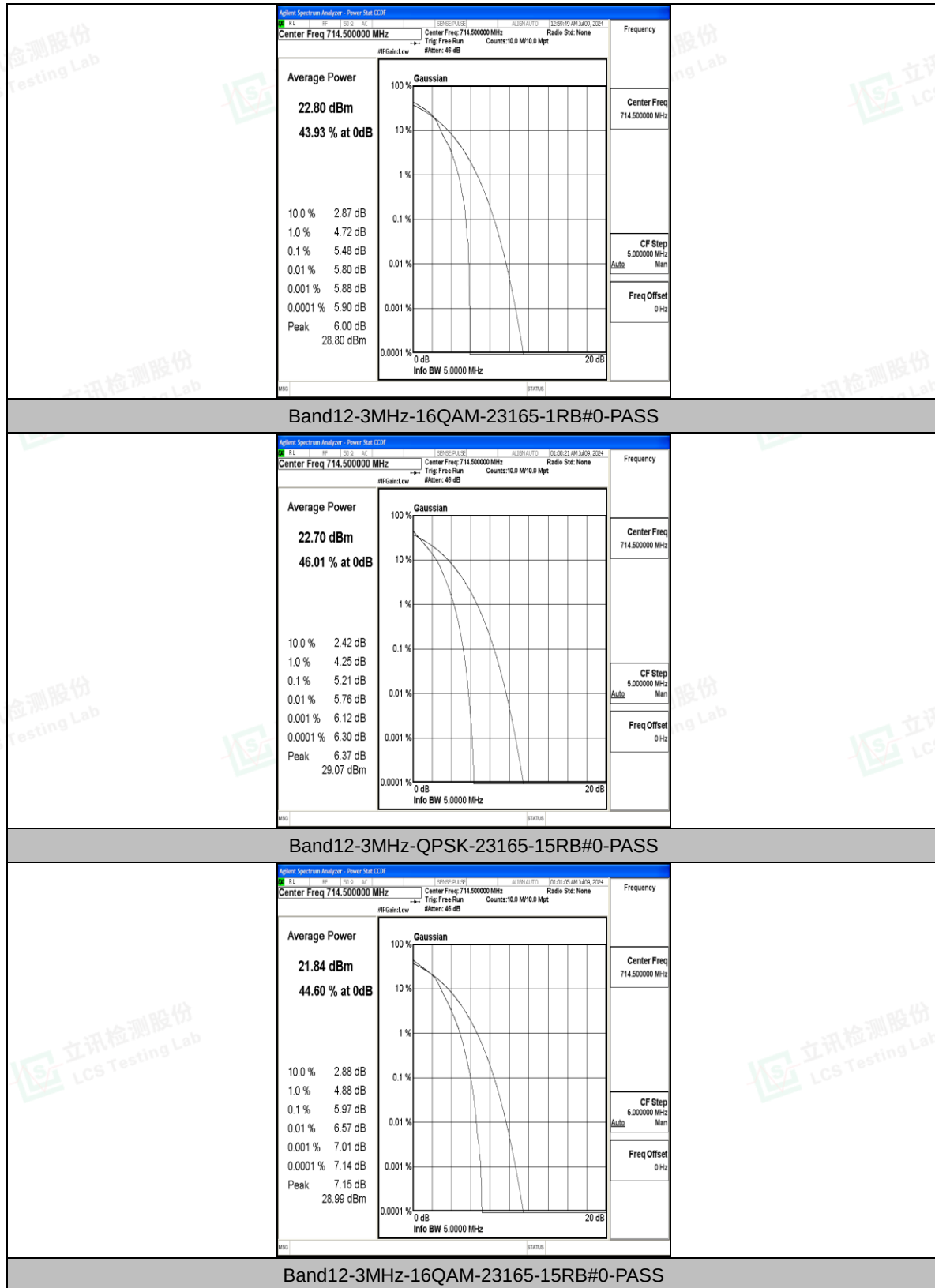
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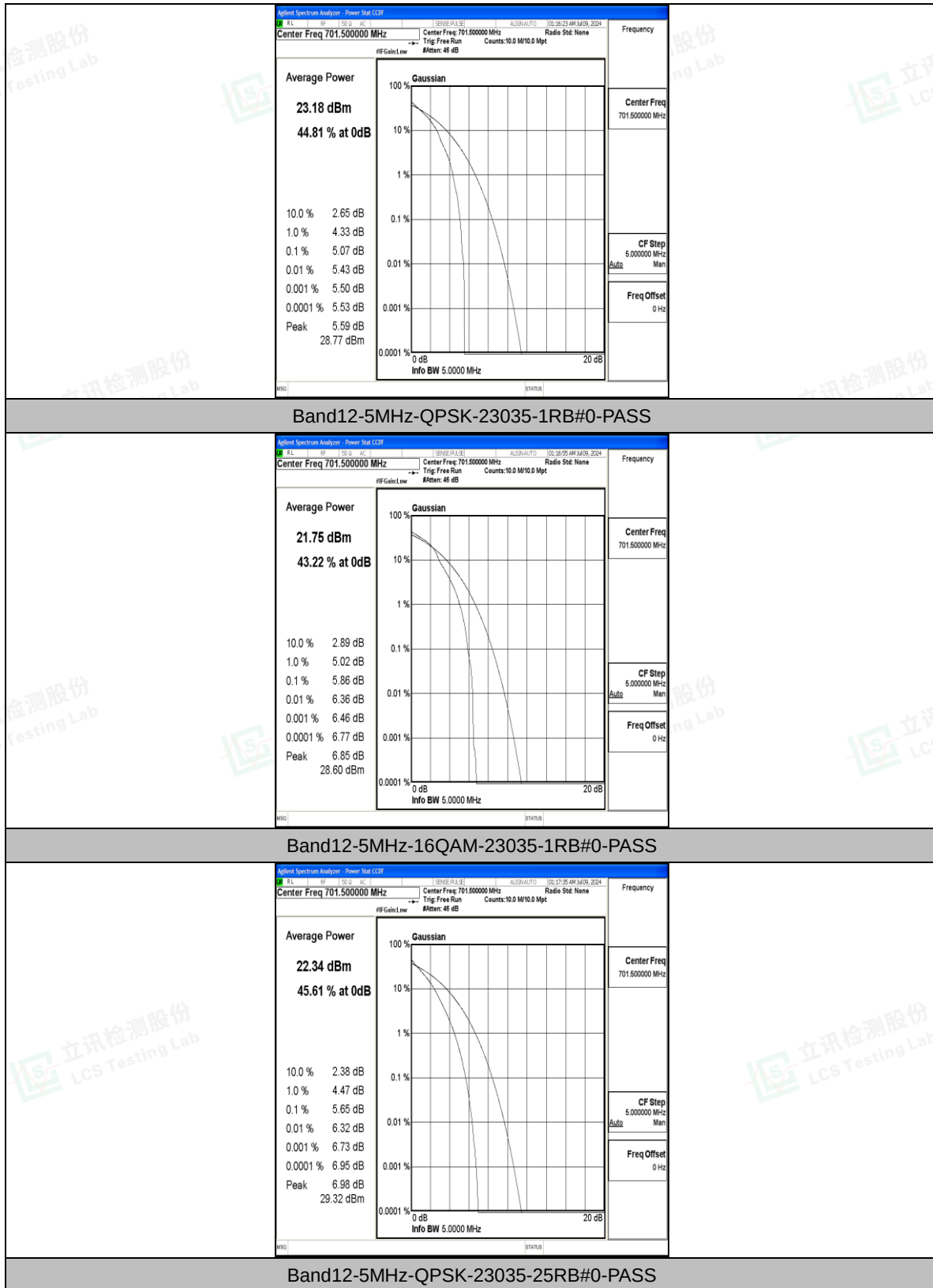
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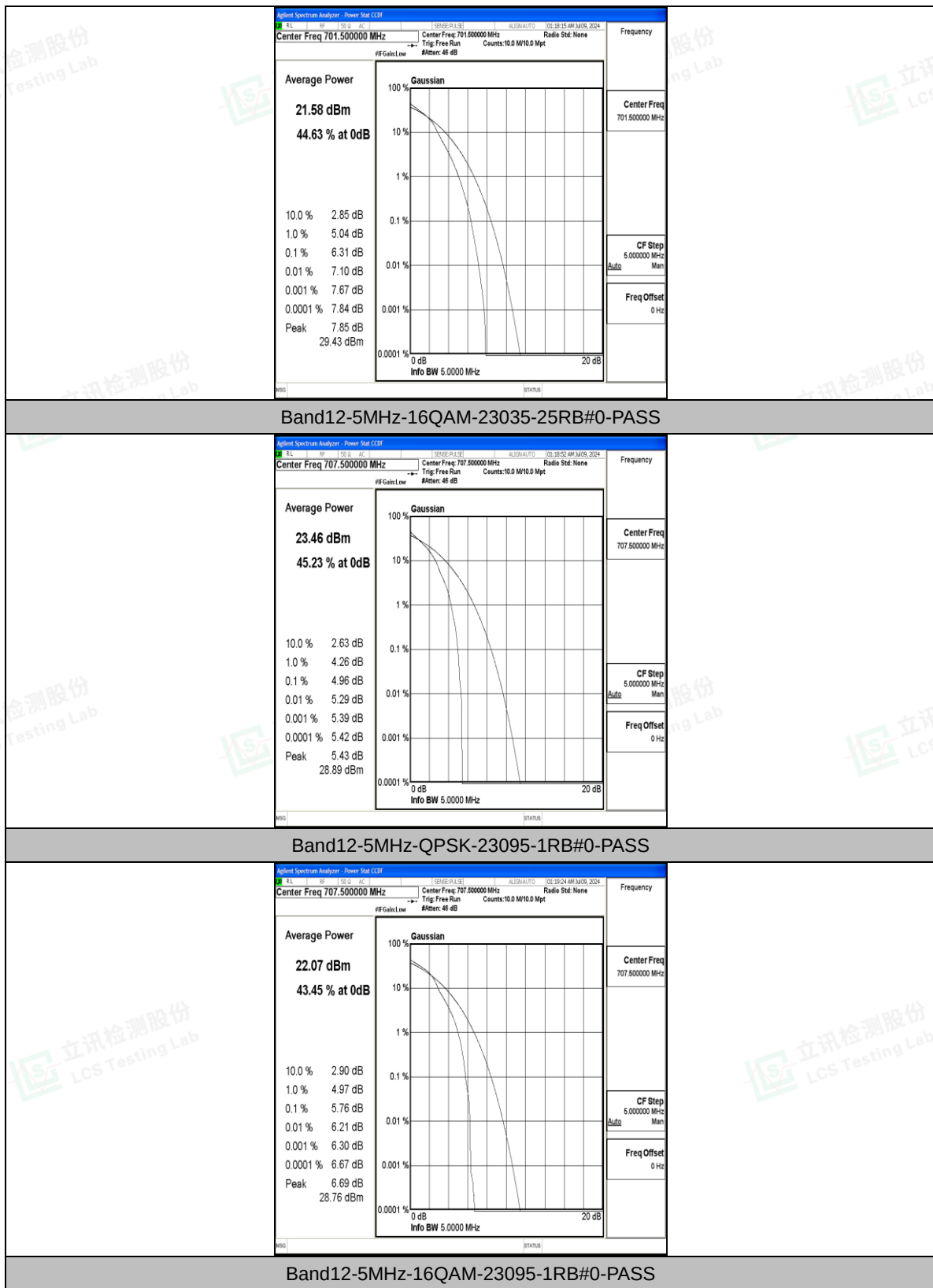


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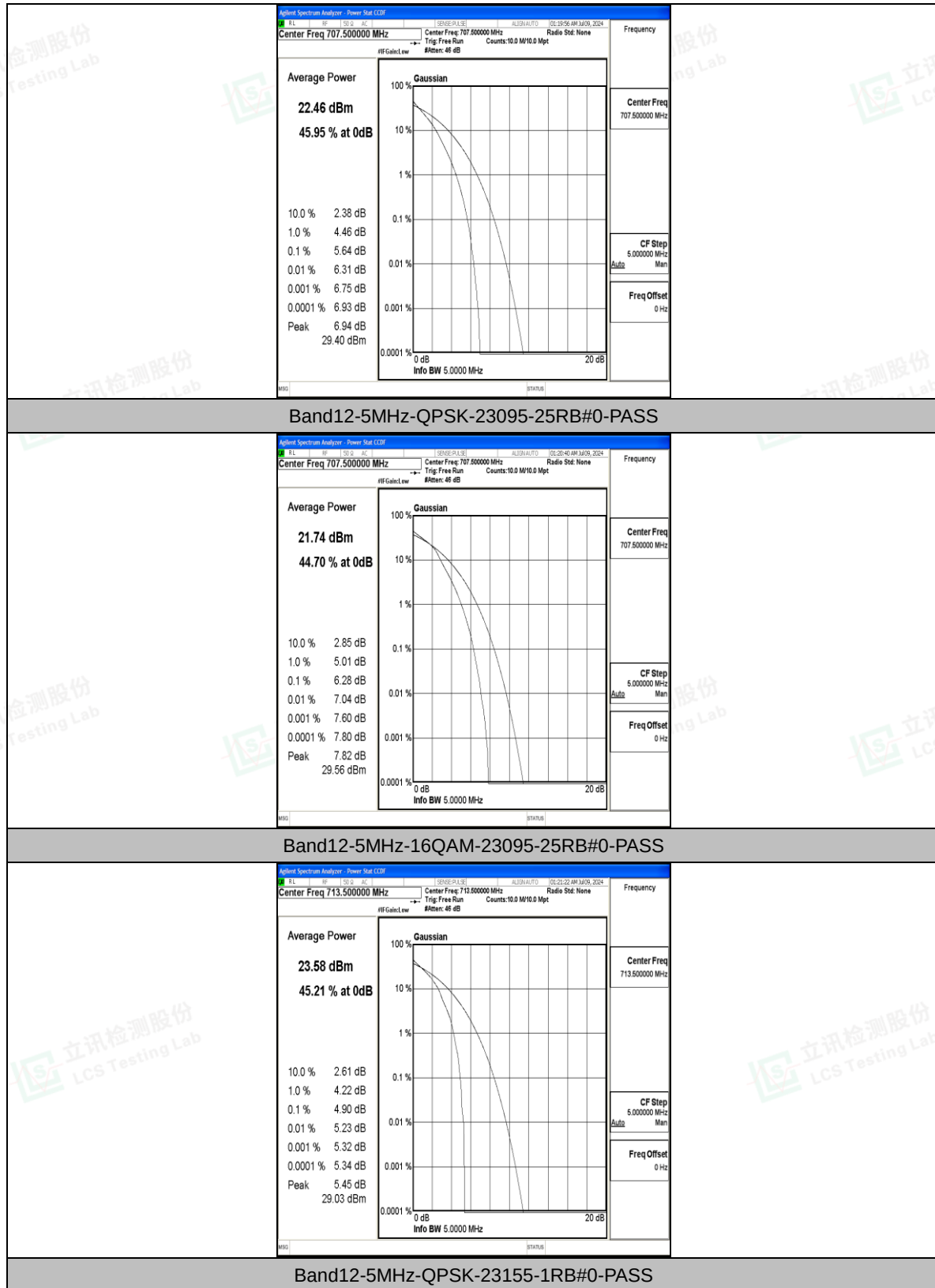


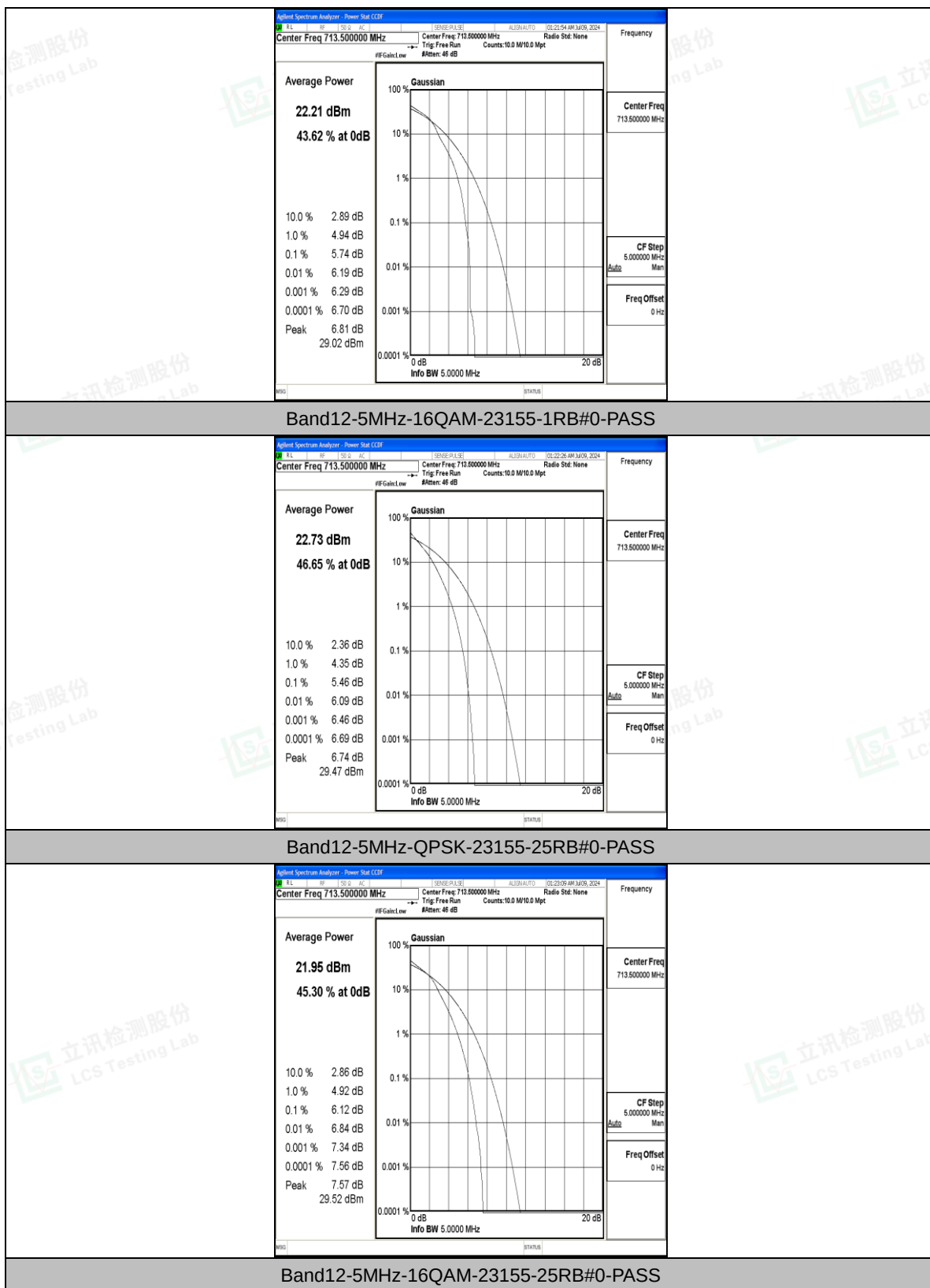
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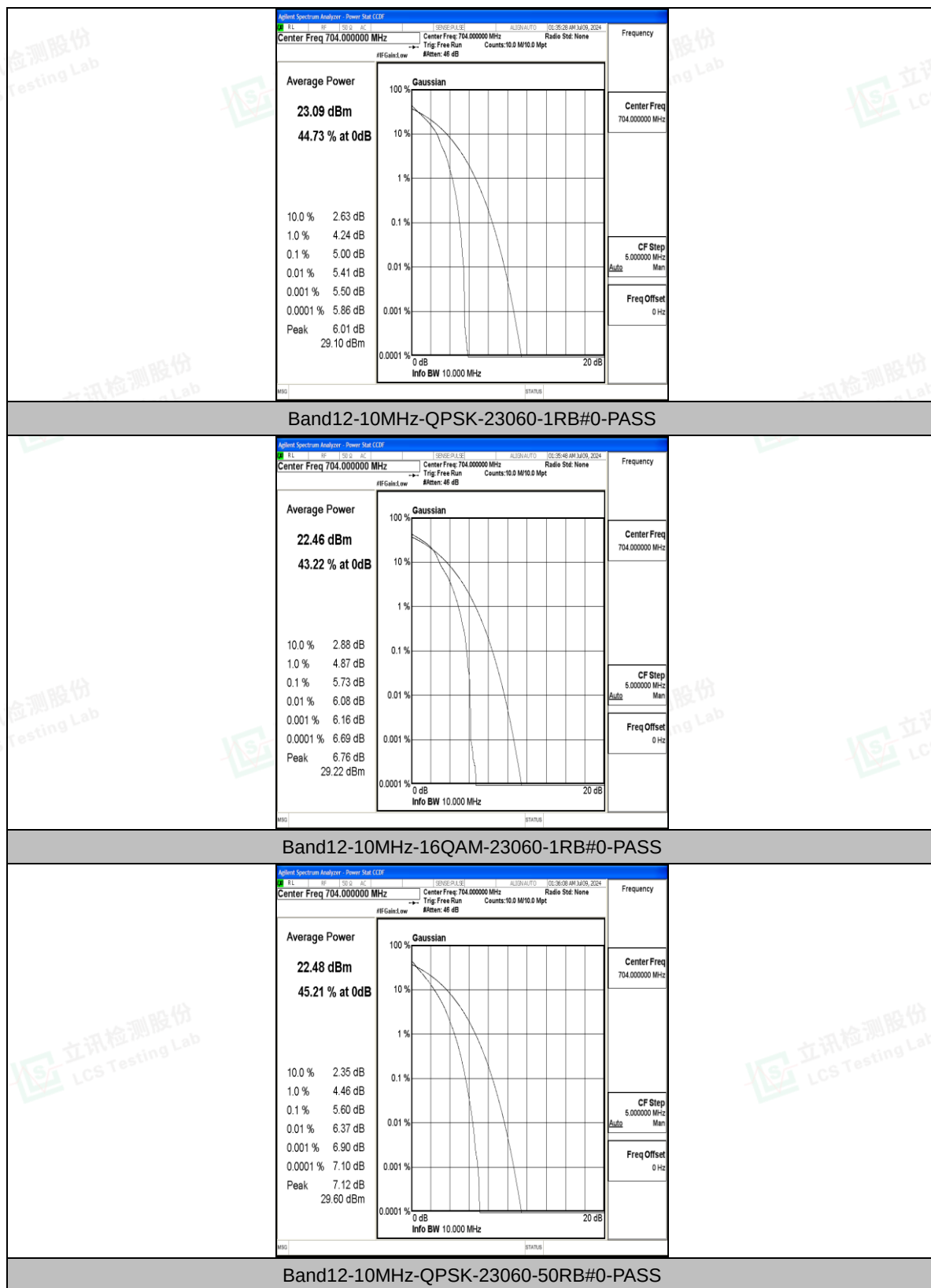
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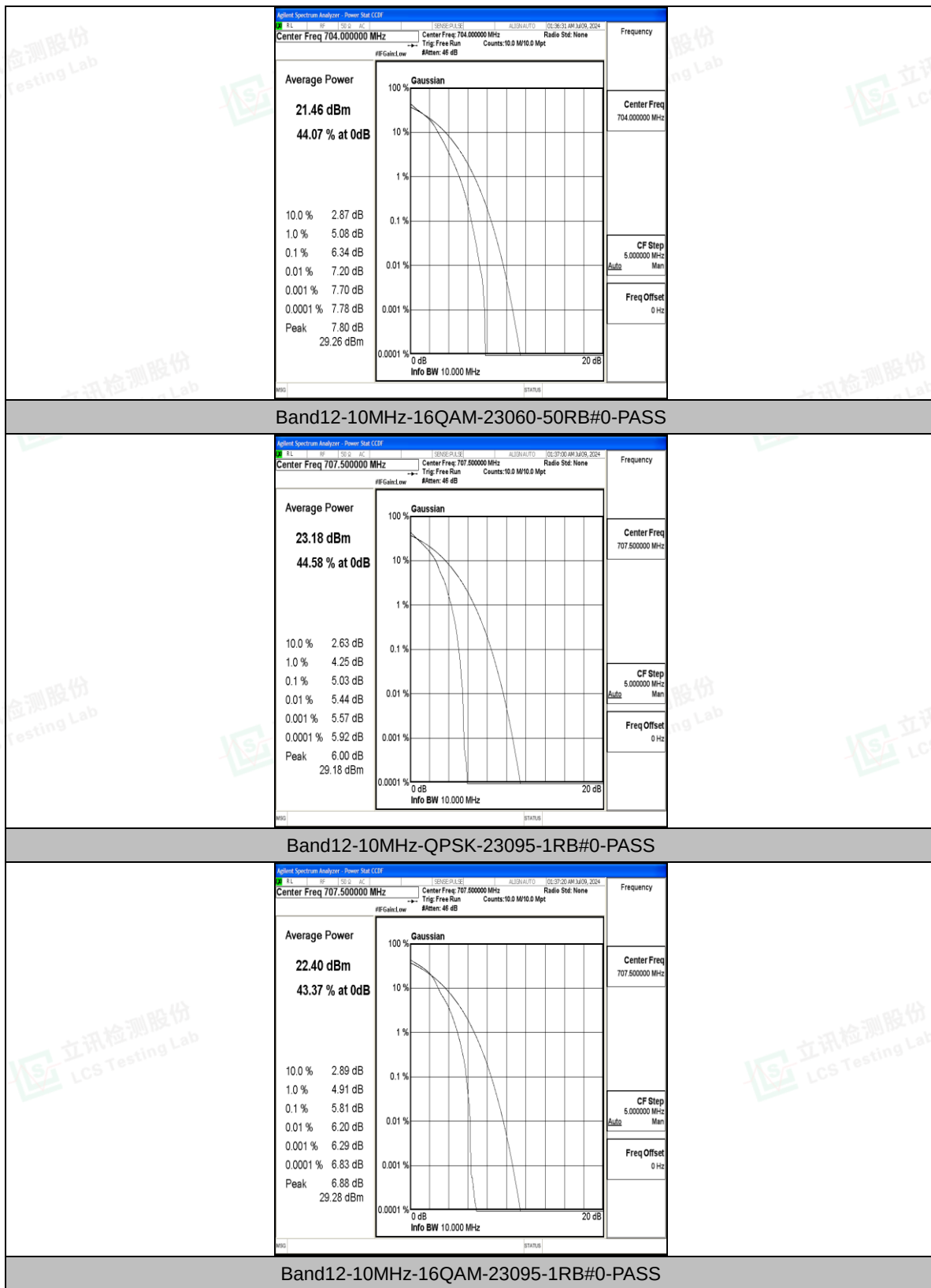


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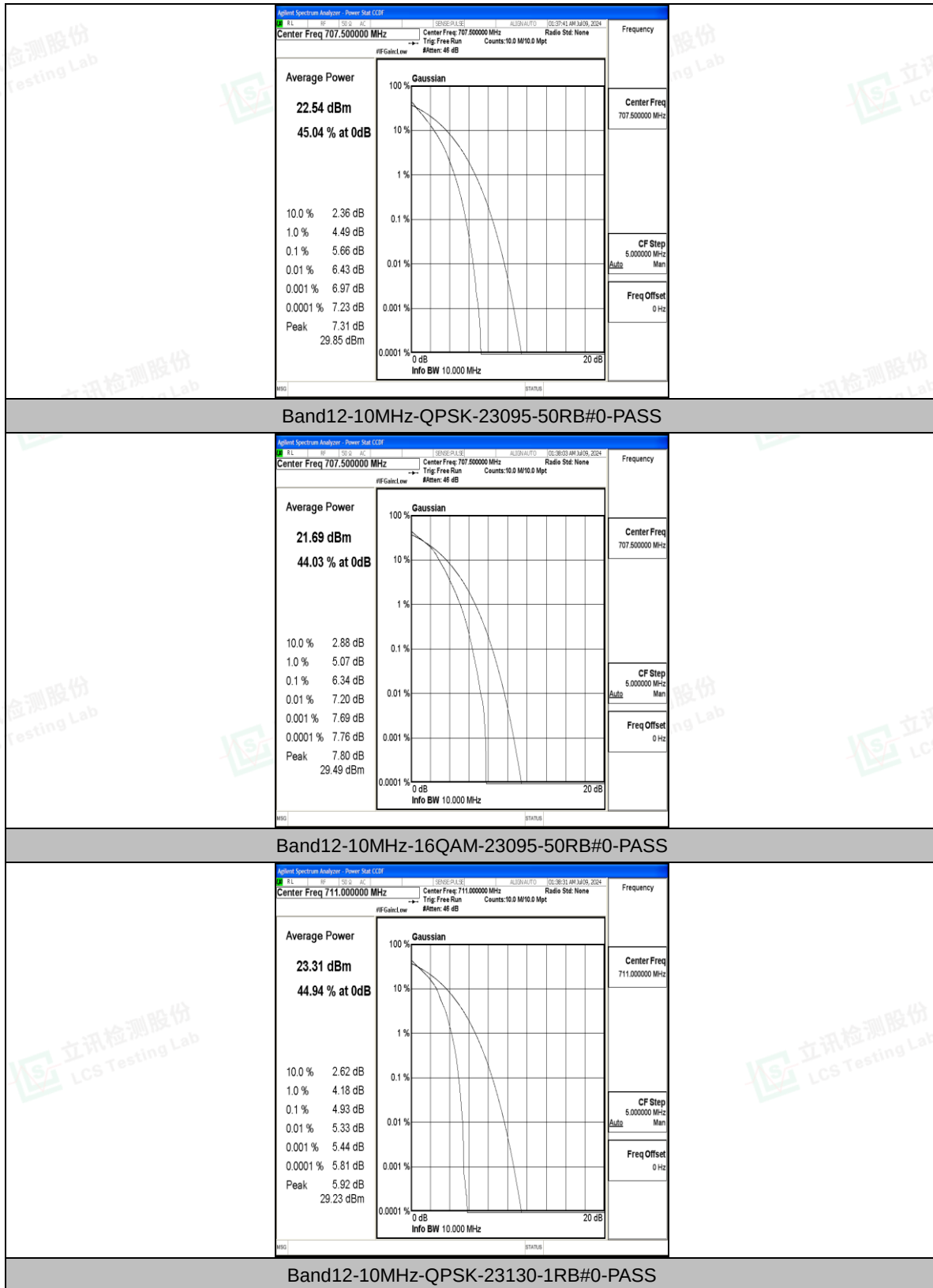


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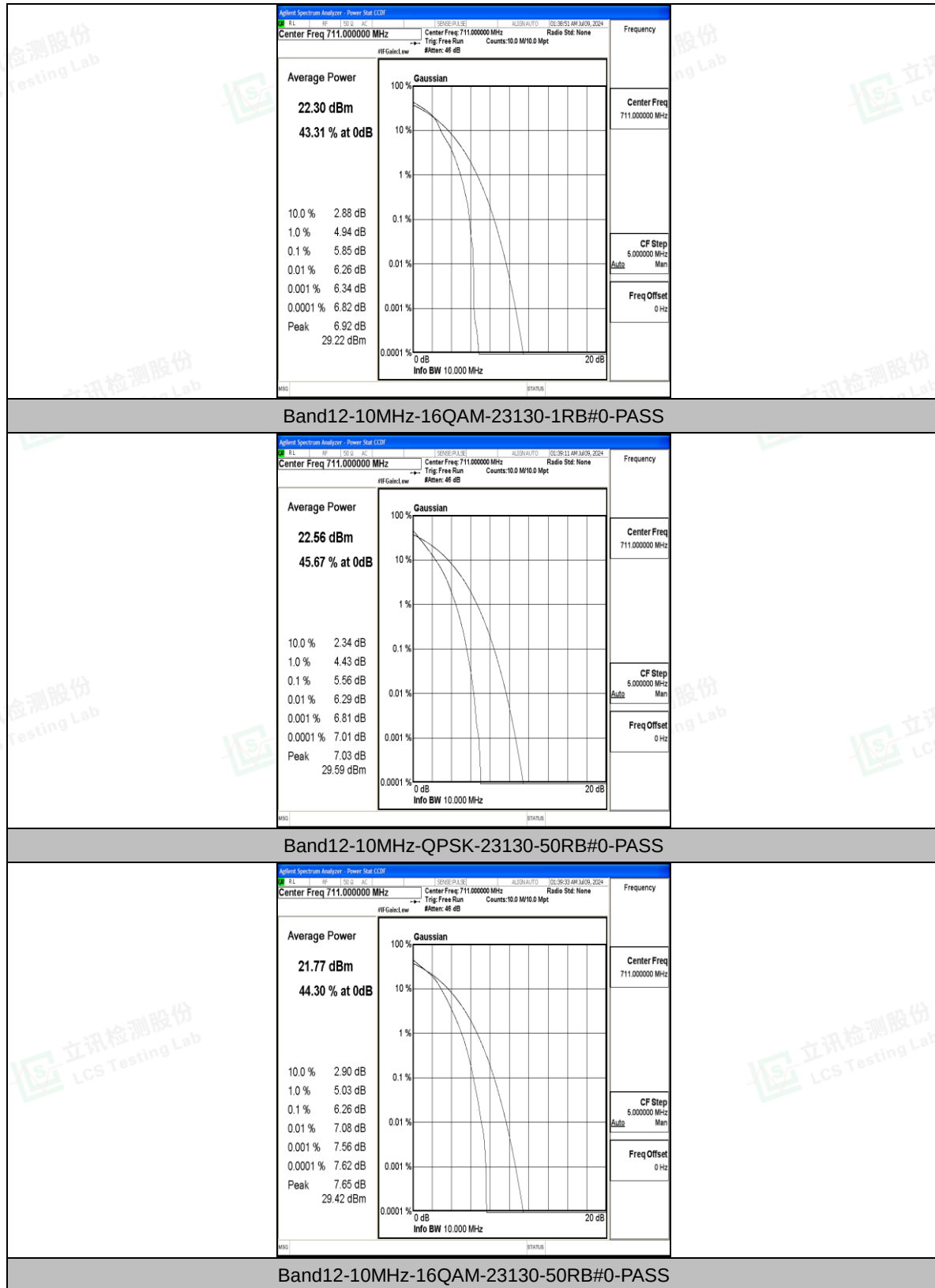


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J.3 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	1.0931	1.307	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	1.1028	1.298	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	1.0931	1.306	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	1.1063	1.283	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	1.0952	1.273	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	1.1051	1.325	PASS
Band12	3MHz	QPSK	23025	15RB#0	2.7169	3.102	PASS
Band12	3MHz	16QAM	23025	15RB#0	2.7005	3.082	PASS
Band12	3MHz	QPSK	23095	15RB#0	2.7149	3.108	PASS
Band12	3MHz	16QAM	23095	15RB#0	2.7080	3.077	PASS
Band12	3MHz	QPSK	23165	15RB#0	2.7130	3.111	PASS
Band12	3MHz	16QAM	23165	15RB#0	2.7057	3.053	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.5249	5.283	PASS
Band12	5MHz	16QAM	23035	25RB#0	4.5268	5.314	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.5315	5.345	PASS
Band12	5MHz	16QAM	23095	25RB#0	4.5231	5.258	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.5265	5.312	PASS
Band12	5MHz	16QAM	23155	25RB#0	4.5194	5.252	PASS
Band12	10MHz	QPSK	23060	50RB#0	9.0107	9.992	PASS
Band12	10MHz	16QAM	23060	50RB#0	8.9976	10.16	PASS
Band12	10MHz	QPSK	23095	50RB#0	9.0027	10.12	PASS
Band12	10MHz	16QAM	23095	50RB#0	8.9889	9.930	PASS
Band12	10MHz	QPSK	23130	50RB#0	8.9892	10.12	PASS
Band12	10MHz	16QAM	23130	50RB#0	8.9988	10.17	PASS



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Test Graphs



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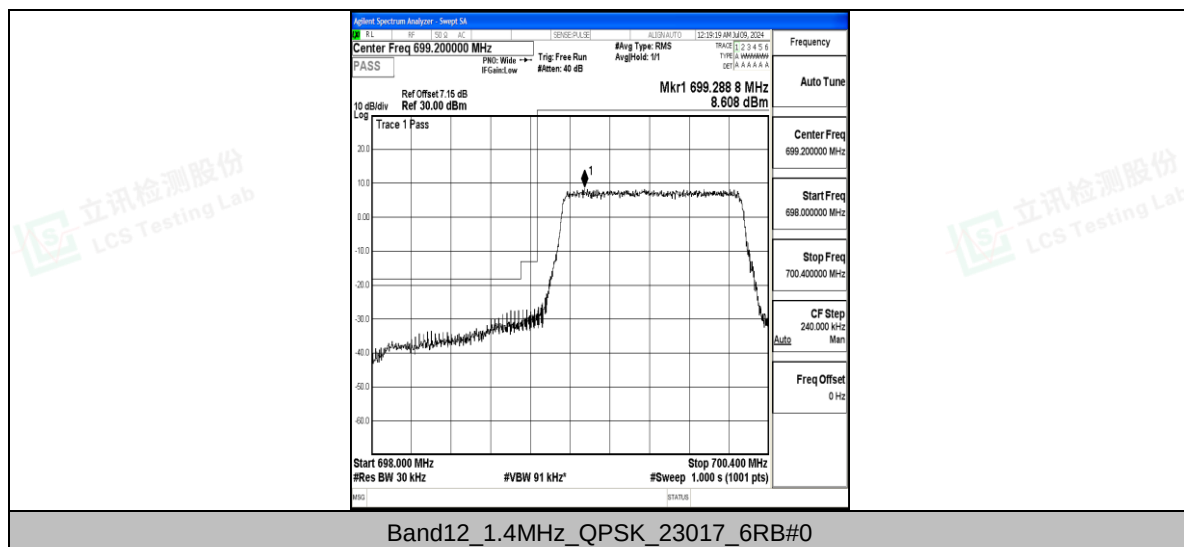


J.4 Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Peak Frequency	Result(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	698.89	-27.49	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	698.88	-29.90	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	716.12	-28.80	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	716.12	-29.55	PASS
Band12	3MHz	QPSK	23025	15RB#0	699.00	-23.49	PASS
Band12	3MHz	16QAM	23025	15RB#0	699.00	-26.32	PASS
Band12	3MHz	QPSK	23165	15RB#0	716.01	-23.59	PASS
Band12	3MHz	16QAM	23165	15RB#0	716.00	-24.18	PASS
Band12	5MHz	QPSK	23035	25RB#0	698.83	-34.22	PASS
Band12	5MHz	16QAM	23035	25RB#0	698.89	-34.67	PASS
Band12	5MHz	QPSK	23155	25RB#0	716.11	-35.50	PASS
Band12	5MHz	16QAM	23155	25RB#0	716.11	-34.25	PASS
Band12	10MHz	QPSK	23060	50RB#0	698.87	-37.69	PASS
Band12	10MHz	16QAM	23060	50RB#0	698.63	-39.27	PASS
Band12	10MHz	QPSK	23130	50RB#0	716.12	-41.10	PASS
Band12	10MHz	16QAM	23130	50RB#0	716.15	-41.28	PASS

Test Graphs

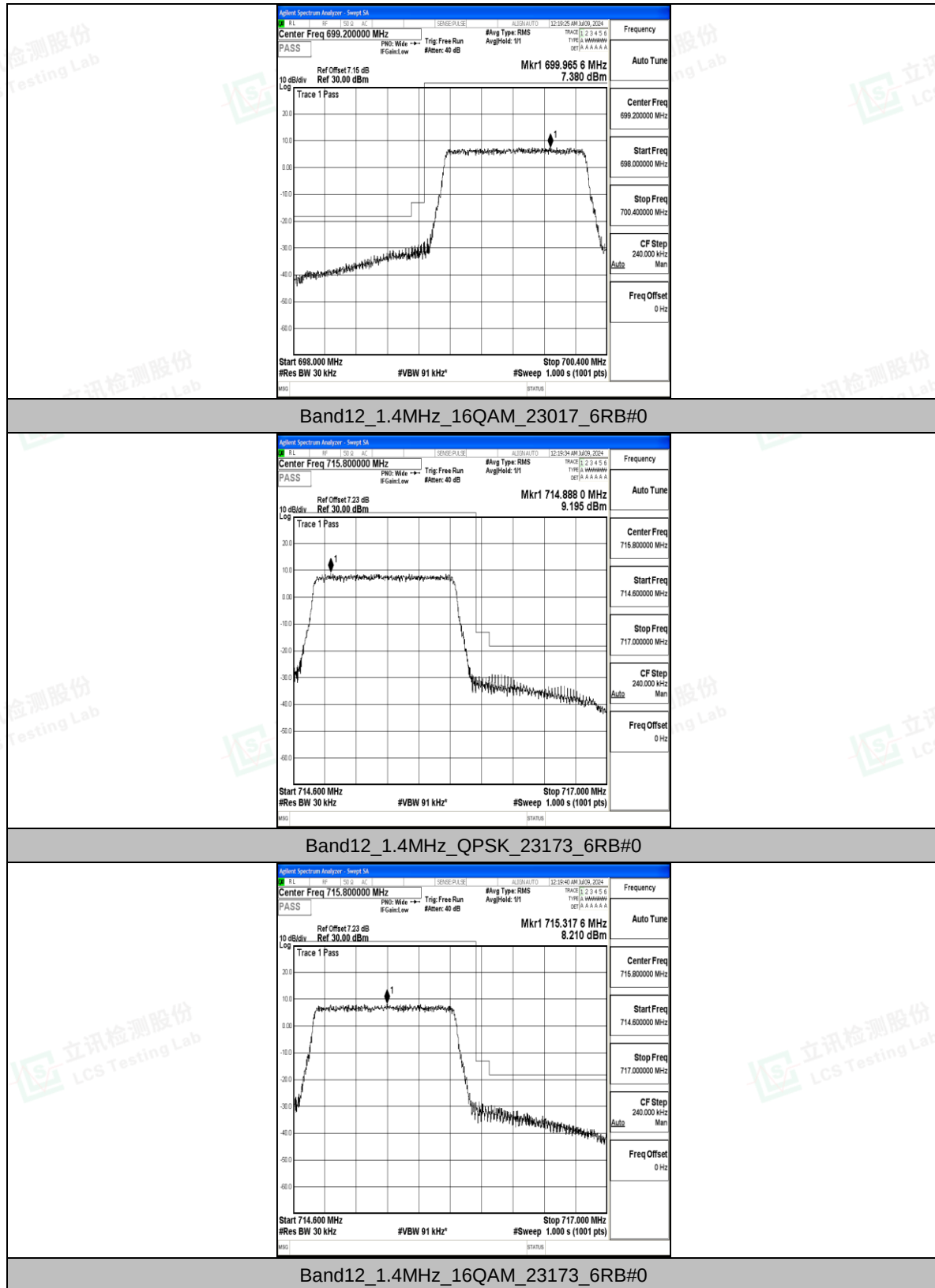


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