



Appendix M: Test Data for E-UTRA Band 17

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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M.1 Conducted Output Power Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band17	5MHz	QPSK	23755	1RB#0	23.91	PASS
Band17	5MHz	16QAM	23755	1RB#0	22.22	PASS
Band17	5MHz	QPSK	23755	1RB#12	23.82	PASS
Band17	5MHz	16QAM	23755	1RB#12	22.08	PASS
Band17	5MHz	QPSK	23755	1RB#24	23.61	PASS
Band17	5MHz	16QAM	23755	1RB#24	22.29	PASS
Band17	5MHz	QPSK	23755	12RB#0	22.80	PASS
Band17	5MHz	16QAM	23755	12RB#0	21.86	PASS
Band17	5MHz	QPSK	23755	12RB#6	22.79	PASS
Band17	5MHz	16QAM	23755	12RB#6	21.85	PASS
Band17	5MHz	QPSK	23755	12RB#13	22.80	PASS
Band17	5MHz	16QAM	23755	12RB#13	21.86	PASS
Band17	5MHz	QPSK	23755	25RB#0	22.63	PASS
Band17	5MHz	16QAM	23755	25RB#0	21.92	PASS
Band17	5MHz	QPSK	23790	1RB#0	23.56	PASS
Band17	5MHz	16QAM	23790	1RB#0	22.97	PASS
Band17	5MHz	QPSK	23790	1RB#12	23.49	PASS
Band17	5MHz	16QAM	23790	1RB#12	22.95	PASS
Band17	5MHz	QPSK	23790	1RB#24	23.61	PASS
Band17	5MHz	16QAM	23790	1RB#24	22.37	PASS
Band17	5MHz	QPSK	23790	12RB#0	22.70	PASS
Band17	5MHz	16QAM	23790	12RB#0	21.83	PASS
Band17	5MHz	QPSK	23790	12RB#6	22.76	PASS
Band17	5MHz	16QAM	23790	12RB#6	21.83	PASS
Band17	5MHz	QPSK	23790	12RB#13	22.65	PASS
Band17	5MHz	16QAM	23790	12RB#13	21.95	PASS
Band17	5MHz	QPSK	23790	25RB#0	22.70	PASS
Band17	5MHz	16QAM	23790	25RB#0	21.87	PASS
Band17	5MHz	QPSK	23825	1RB#0	23.48	PASS
Band17	5MHz	16QAM	23825	1RB#0	22.39	PASS
Band17	5MHz	QPSK	23825	1RB#12	23.45	PASS
Band17	5MHz	16QAM	23825	1RB#12	22.43	PASS
Band17	5MHz	QPSK	23825	1RB#24	23.45	PASS
Band17	5MHz	16QAM	23825	1RB#24	22.37	PASS
Band17	5MHz	QPSK	23825	12RB#0	22.72	PASS



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Band17	5MHz	16QAM	23825	12RB#0	21.77	PASS
Band17	5MHz	QPSK	23825	12RB#6	22.72	PASS
Band17	5MHz	16QAM	23825	12RB#6	21.84	PASS
Band17	5MHz	QPSK	23825	12RB#13	22.68	PASS
Band17	5MHz	16QAM	23825	12RB#13	21.96	PASS
Band17	5MHz	QPSK	23825	25RB#0	22.66	PASS
Band17	5MHz	16QAM	23825	25RB#0	21.88	PASS
Band17	10MHz	QPSK	23780	1RB#0	23.37	PASS
Band17	10MHz	16QAM	23780	1RB#0	22.43	PASS
Band17	10MHz	QPSK	23780	1RB#24	23.33	PASS
Band17	10MHz	16QAM	23780	1RB#24	22.29	PASS
Band17	10MHz	QPSK	23780	1RB#49	23.31	PASS
Band17	10MHz	16QAM	23780	1RB#49	22.35	PASS
Band17	10MHz	QPSK	23780	25RB#0	22.56	PASS
Band17	10MHz	16QAM	23780	25RB#0	21.70	PASS
Band17	10MHz	QPSK	23780	25RB#12	22.64	PASS
Band17	10MHz	16QAM	23780	25RB#12	21.70	PASS
Band17	10MHz	QPSK	23780	25RB#25	22.39	PASS
Band17	10MHz	16QAM	23780	25RB#25	21.68	PASS
Band17	10MHz	QPSK	23780	50RB#0	22.36	PASS
Band17	10MHz	16QAM	23780	50RB#0	21.64	PASS
Band17	10MHz	QPSK	23790	1RB#0	23.75	PASS
Band17	10MHz	16QAM	23790	1RB#0	22.61	PASS
Band17	10MHz	16QAM	23790	1RB#24	22.57	PASS
Band17	10MHz	QPSK	23790	1RB#49	23.56	PASS
Band17	10MHz	16QAM	23790	1RB#49	22.64	PASS
Band17	10MHz	QPSK	23790	25RB#0	22.53	PASS
Band17	10MHz	16QAM	23790	25RB#0	21.78	PASS
Band17	10MHz	QPSK	23790	25RB#12	22.54	PASS
Band17	10MHz	16QAM	23790	25RB#12	21.78	PASS
Band17	10MHz	QPSK	23790	25RB#25	22.65	PASS
Band17	10MHz	QPSK	23800	1RB#0	23.41	PASS
Band17	10MHz	16QAM	23800	1RB#0	23.29	PASS
Band17	10MHz	QPSK	23800	1RB#24	23.32	PASS
Band17	10MHz	16QAM	23800	1RB#24	23.32	PASS
Band17	10MHz	QPSK	23800	1RB#49	23.32	PASS
Band17	10MHz	16QAM	23800	1RB#49	23.30	PASS
Band17	10MHz	QPSK	23800	25RB#0	22.31	PASS
Band17	10MHz	16QAM	23800	25RB#0	21.69	PASS
Band17	10MHz	QPSK	23800	25RB#12	22.50	PASS



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Band17	10MHz	16QAM	23800	25RB#12	21.69	PASS
Band17	10MHz	QPSK	23800	25RB#25	22.54	PASS
Band17	10MHz	16QAM	23800	25RB#25	21.75	PASS
Band17	10MHz	QPSK	23800	50RB#0	22.52	PASS
Band17	10MHz	16QAM	23800	50RB#0	21.79	PASS
Band17	10MHz	QPSK	23790	1RB#24	23.48	PASS
Band17	10MHz	16QAM	23790	25RB#25	21.76	PASS
Band17	10MHz	QPSK	23790	50RB#0	22.41	PASS
Band17	10MHz	16QAM	23790	50RB#0	21.64	PASS





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

Test Result

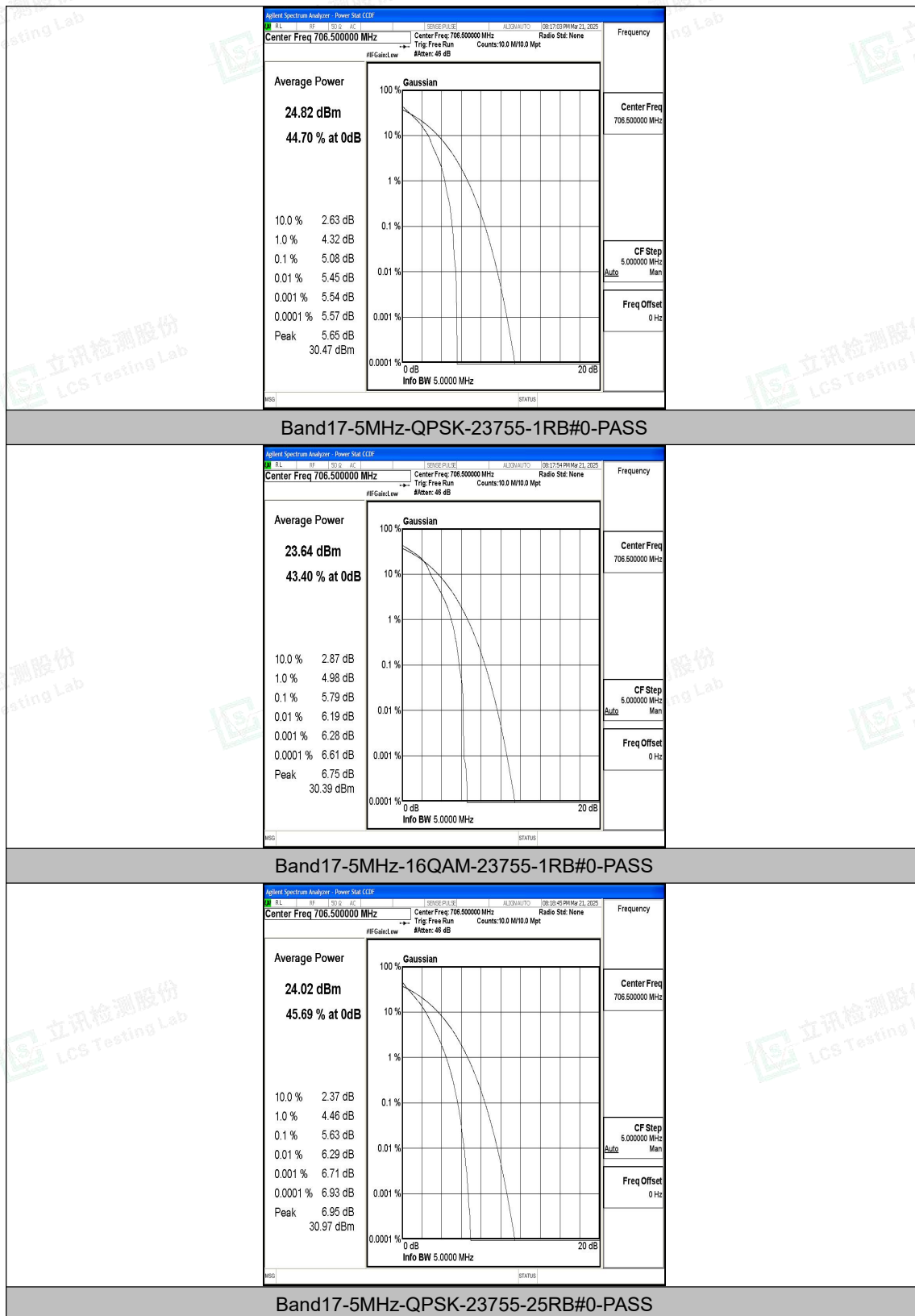
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band17	5MHz	QPSK	23755	1RB#0	5.08	13	PASS
Band17	5MHz	16QAM	23755	1RB#0	5.79	13	PASS
Band17	5MHz	QPSK	23755	25RB#0	5.63	13	PASS
Band17	5MHz	16QAM	23755	25RB#0	6.29	13	PASS
Band17	5MHz	QPSK	23790	1RB#0	4.97	13	PASS
Band17	5MHz	16QAM	23790	1RB#0	5.77	13	PASS
Band17	5MHz	QPSK	23790	25RB#0	5.63	13	PASS
Band17	5MHz	16QAM	23790	25RB#0	6.31	13	PASS
Band17	5MHz	QPSK	23825	1RB#0	4.89	13	PASS
Band17	5MHz	16QAM	23825	1RB#0	5.58	13	PASS
Band17	5MHz	QPSK	23825	25RB#0	5.43	13	PASS
Band17	5MHz	16QAM	23825	25RB#0	6.15	13	PASS
Band17	10MHz	QPSK	23780	1RB#0	5.03	13	PASS
Band17	10MHz	16QAM	23780	1RB#0	5.73	13	PASS
Band17	10MHz	QPSK	23780	50RB#0	5.67	13	PASS
Band17	10MHz	16QAM	23780	50RB#0	6.36	13	PASS
Band17	10MHz	QPSK	23790	1RB#0	4.74	13	PASS
Band17	10MHz	16QAM	23790	1RB#0	5.73	13	PASS
Band17	10MHz	QPSK	23790	50RB#0	5.62	13	PASS
Band17	10MHz	16QAM	23790	50RB#0	6.35	13	PASS
Band17	10MHz	QPSK	23800	1RB#0	4.84	13	PASS
Band17	10MHz	16QAM	23800	1RB#0	5.66	13	PASS
Band17	10MHz	QPSK	23800	50RB#0	5.59	13	PASS
Band17	10MHz	16QAM	23800	50RB#0	6.29	13	PASS



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Test Graphs



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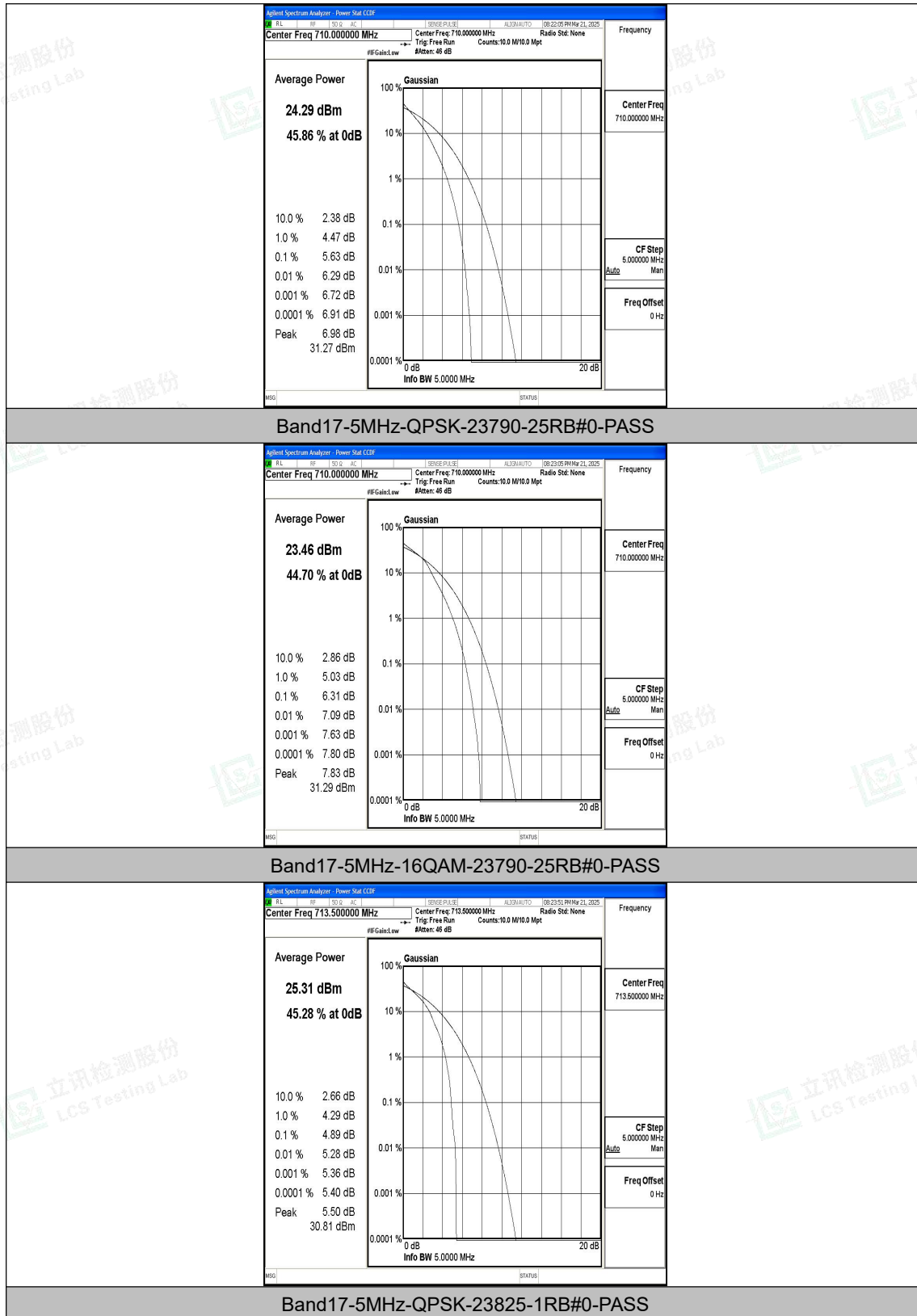


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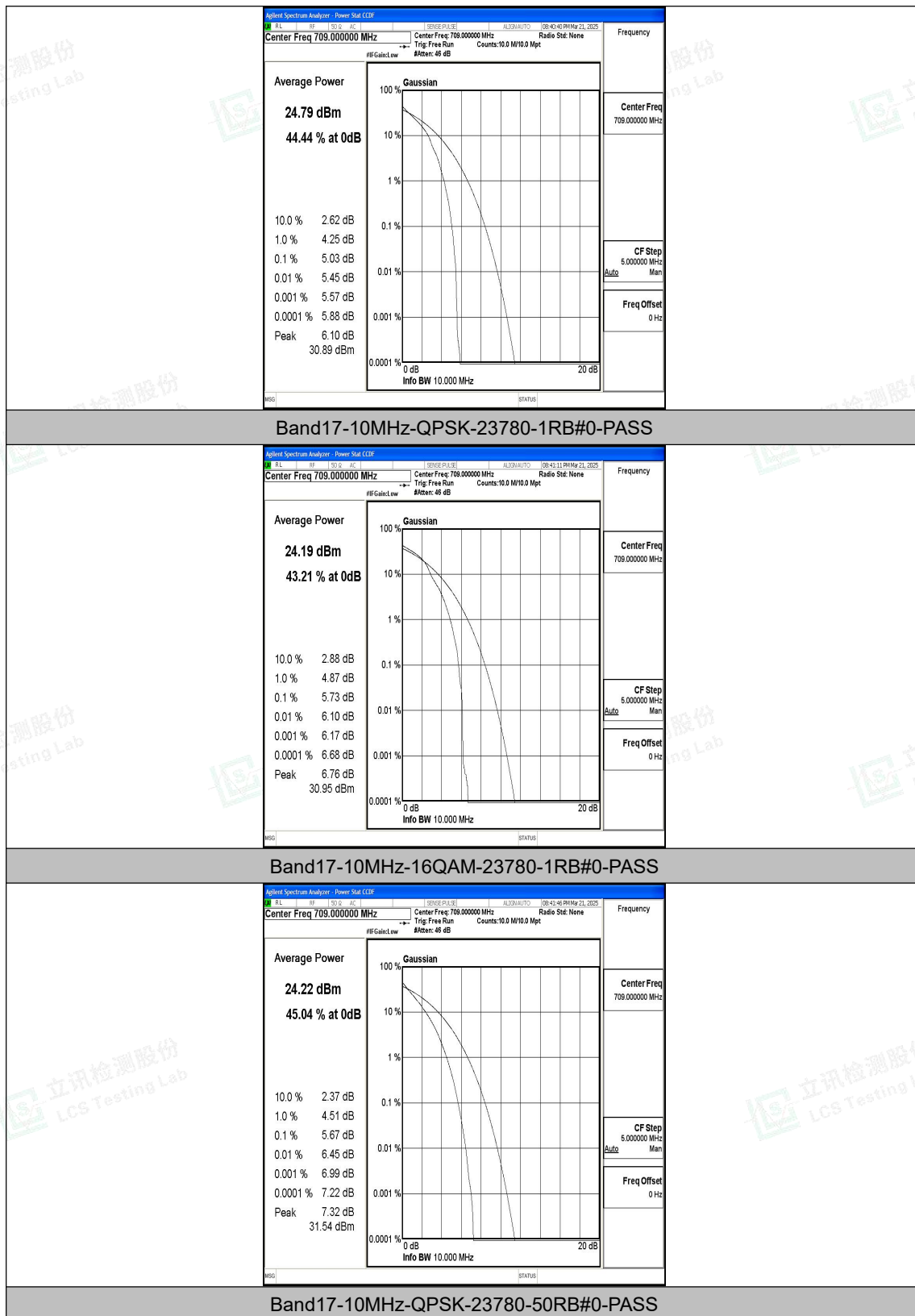


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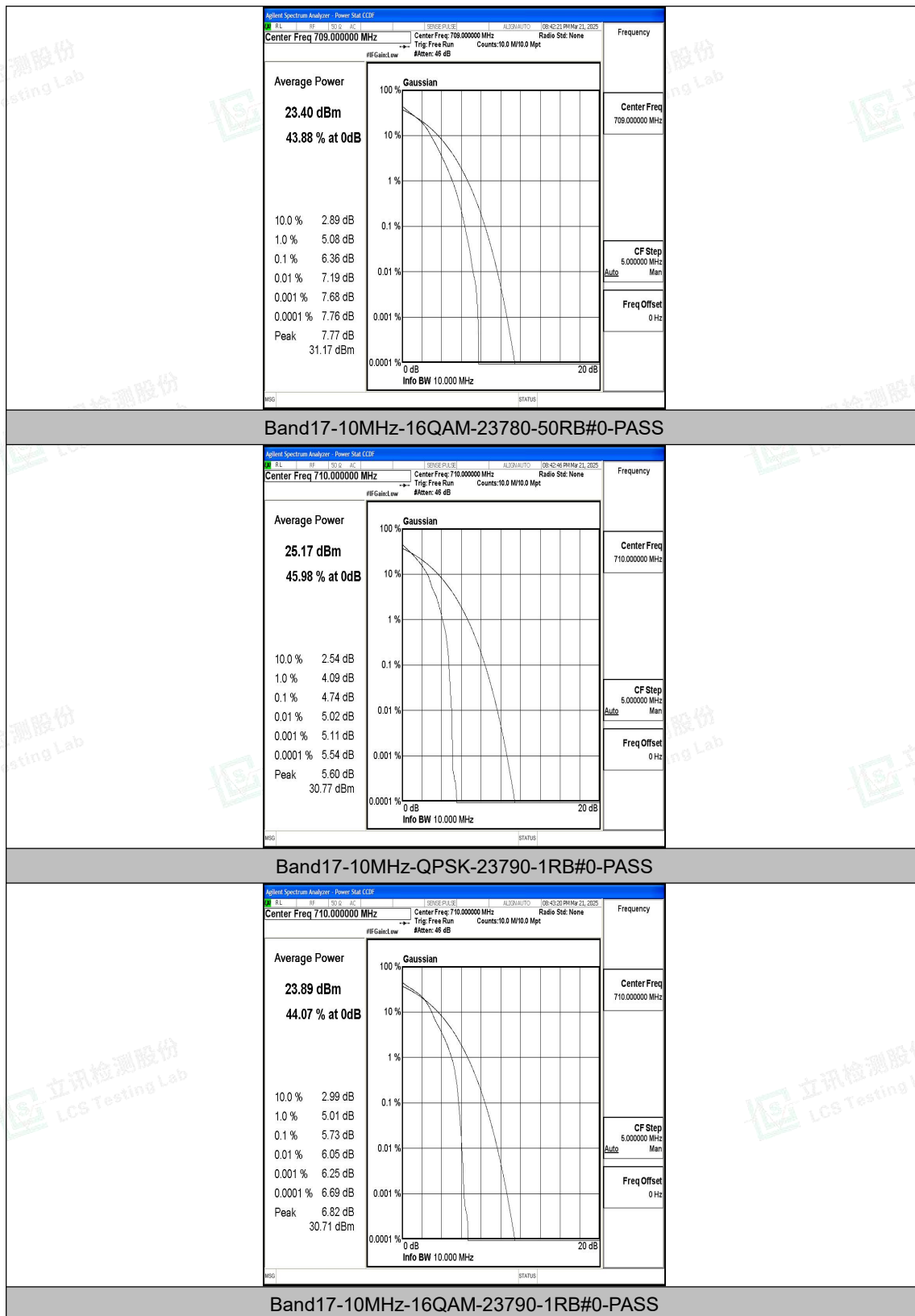


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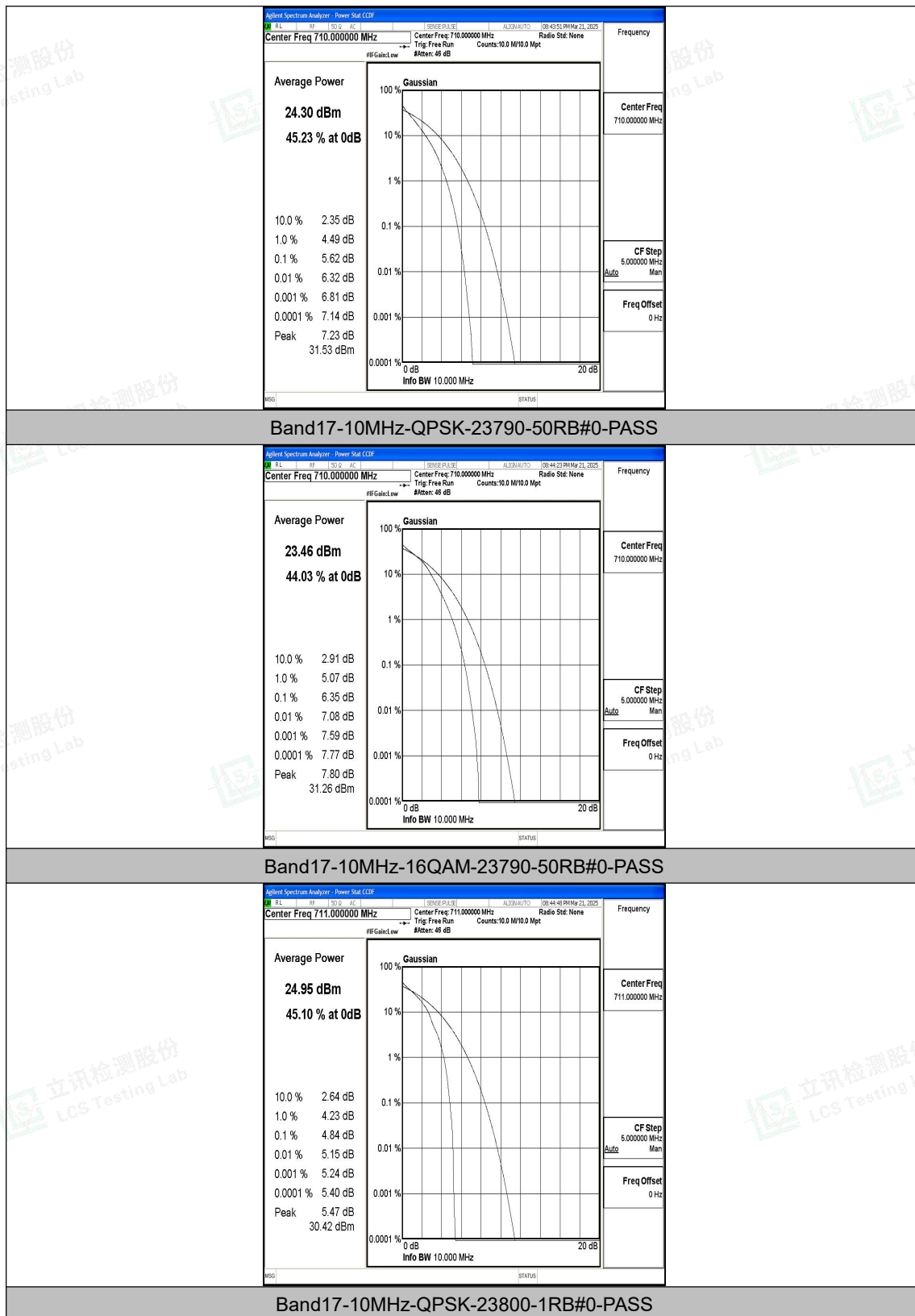


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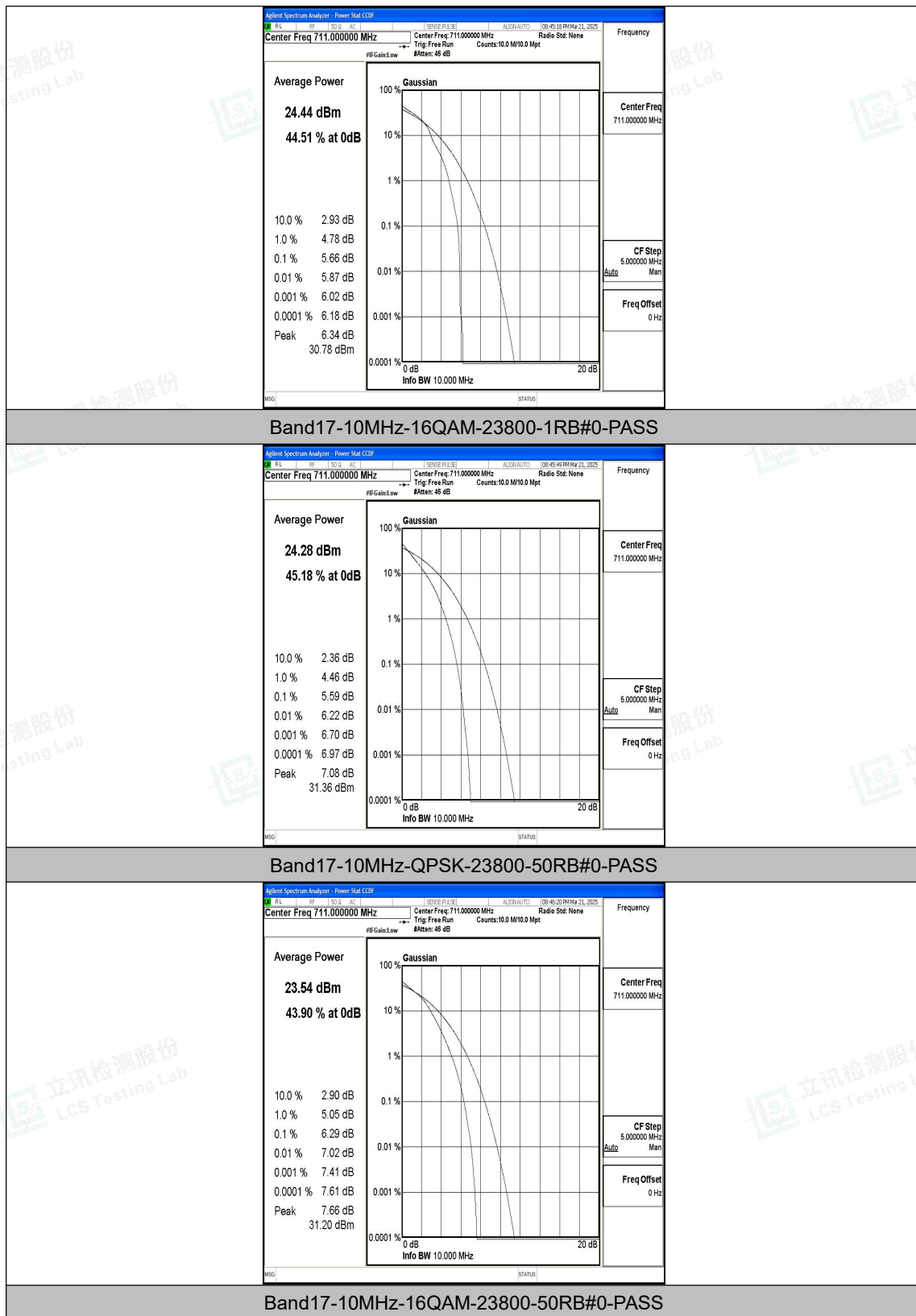


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M.3 26dB Bandwidth and Occupied Bandwidth

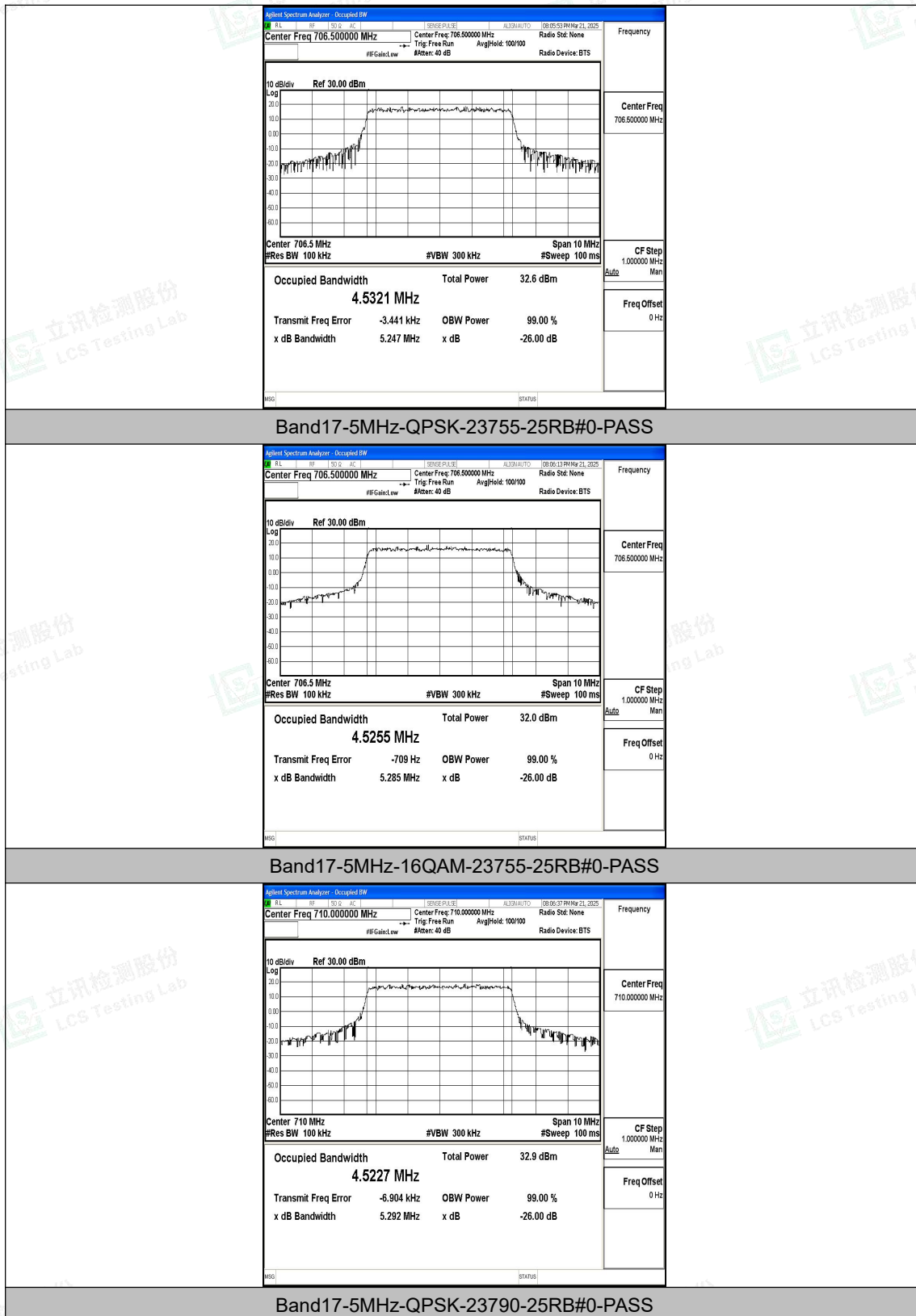
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	4.5321	5.247	PASS
Band17	5MHz	16QAM	23755	25RB#0	4.5255	5.285	PASS
Band17	5MHz	QPSK	23790	25RB#0	4.5227	5.292	PASS
Band17	5MHz	16QAM	23790	25RB#0	4.5205	5.245	PASS
Band17	5MHz	QPSK	23825	25RB#0	4.5142	5.477	PASS
Band17	5MHz	16QAM	23825	25RB#0	4.5360	5.376	PASS
Band17	10MHz	QPSK	23780	50RB#0	8.9976	9.967	PASS
Band17	10MHz	16QAM	23780	50RB#0	8.9873	9.934	PASS
Band17	10MHz	QPSK	23790	50RB#0	9.0391	10.06	PASS
Band17	10MHz	16QAM	23790	50RB#0	9.0130	10.48	PASS
Band17	10MHz	QPSK	23800	50RB#0	8.9741	10.18	PASS
Band17	10MHz	16QAM	23800	50RB#0	8.9902	10.19	PASS





Test Graphs

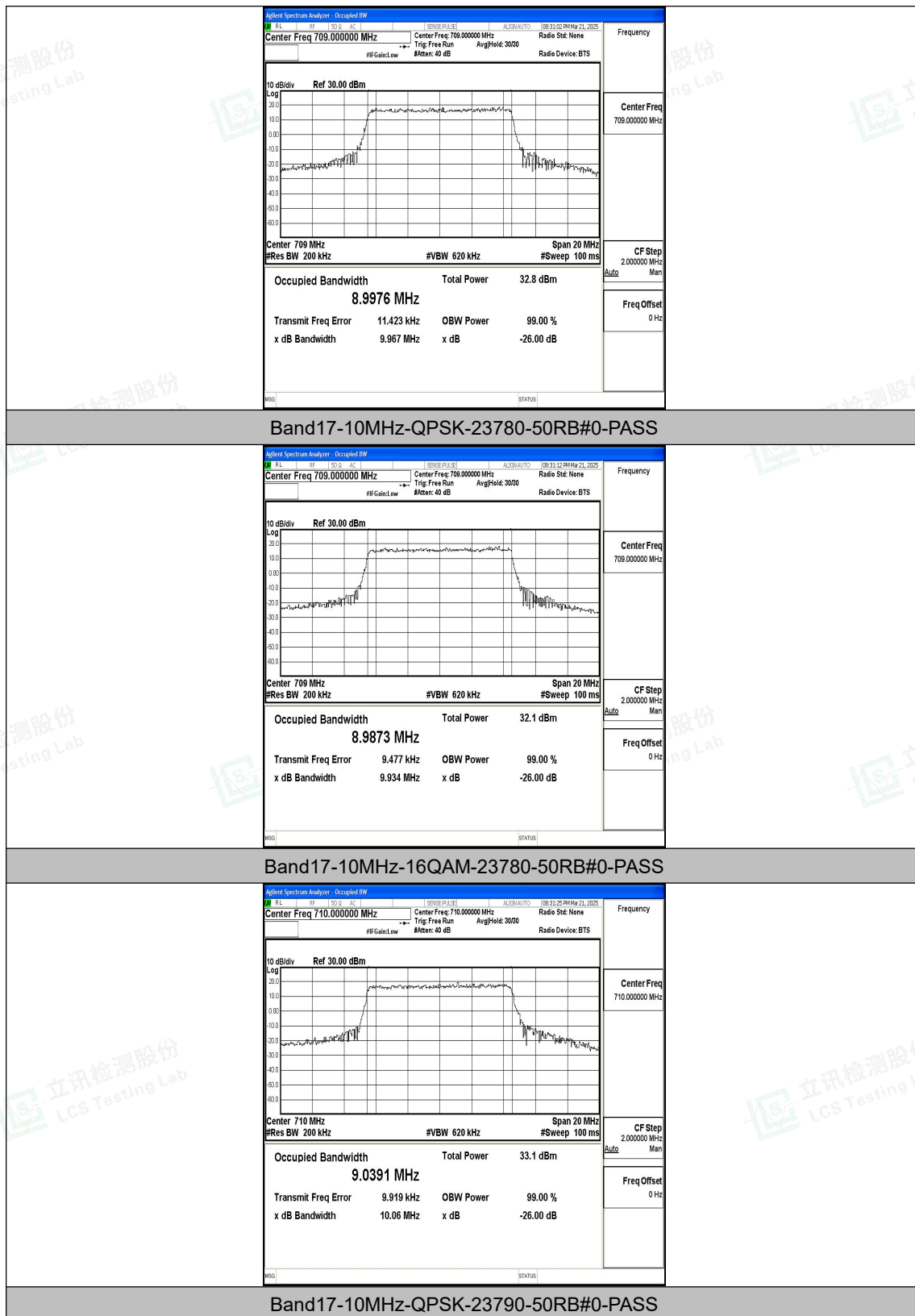


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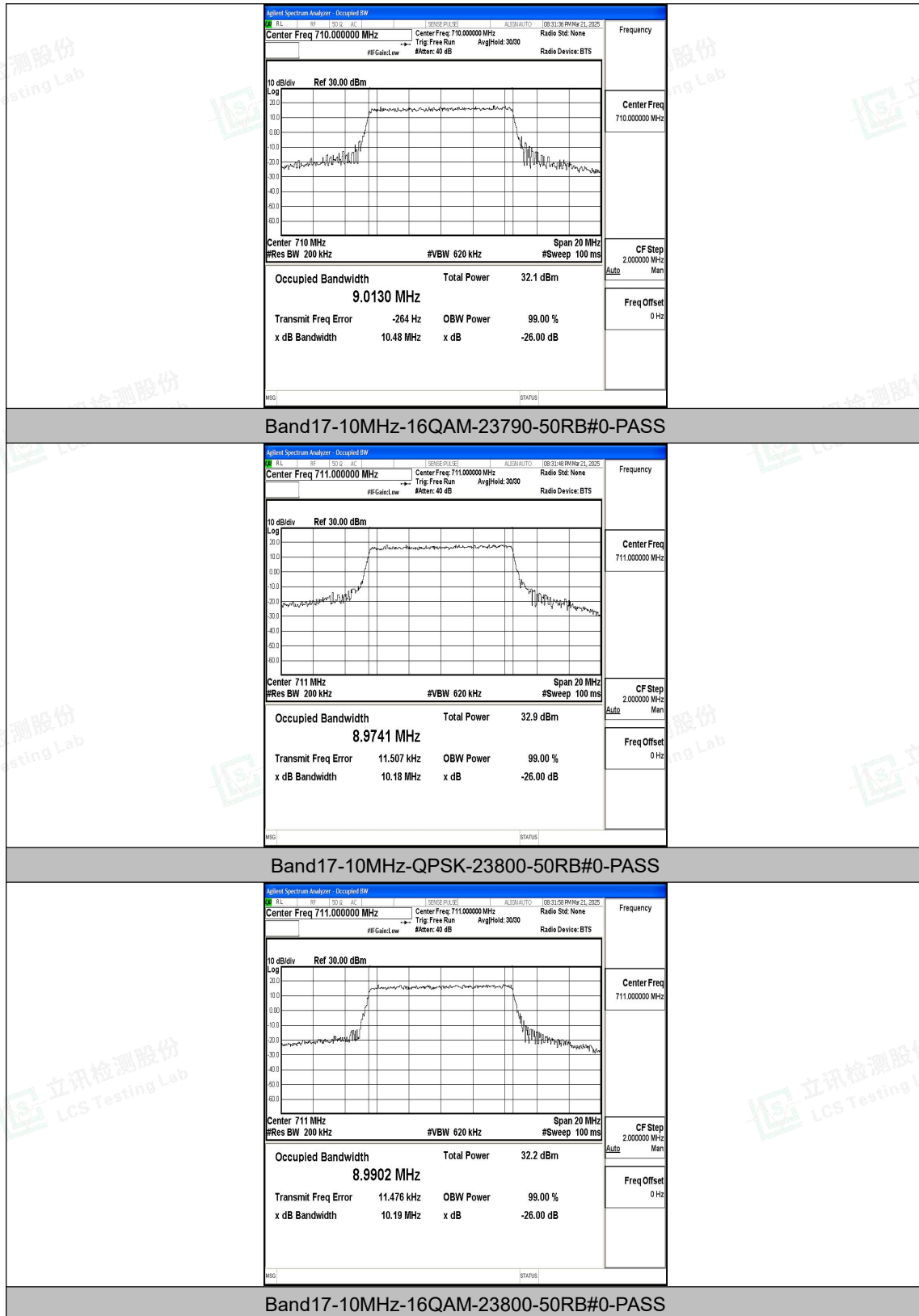


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M.4 Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Peak Frequency	Result(dBm)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	703.82	-36.01	PASS
Band17	5MHz	16QAM	23755	25RB#0	703.90	-35.49	PASS
Band17	10MHz	QPSK	23780	50RB#0	703.85	-23.40	PASS
Band17	10MHz	16QAM	23780	50RB#0	703.83	-24.45	PASS
Band17	10MHz	QPSK	23800	50RB#0	716.12	-21.32	PASS
Band17	10MHz	16QAM	23800	50RB#0	716.11	-20.77	PASS
Band17	5MHz	QPSK	23825	25RB#0	716.13	-36.40	PASS
Band17	5MHz	16QAM	23825	25RB#0	716.11	-33.05	PASS
Band17	5MHz	QPSK	23755	25RB#0	703.82	-26.22	PASS_Final1
Band17	5MHz	16QAM	23755	25RB#0	703.85	-25.68	PASS_Final1
Band17	5MHz	QPSK	23825	25RB#0	716.15	-27.28	PASS_Final1
Band17	5MHz	16QAM	23825	25RB#0	716.02	-30.51	PASS_Final1
Band17	5MHz	16QAM	23825	25RB#0	716.15	-27.24	PASS_Final2



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