



Appendix K: Test Data for E-UTRA Band 7

Product Name: Smart Phone

Test Model: MC400

Environmental Conditions

Temperature:	24.9° C
Relative Humidity:	53.4%
ATM Pressure:	100.0 kPa
Test Engineer:	Jerry Chu
Supervised by:	Can Kun



K.1 Conducted Output Power Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Power(dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	23.46	PASS
Band7	5MHz	QPSK	20775	1RB#12	23.44	PASS
Band7	5MHz	QPSK	20775	1RB#24	23.58	PASS
Band7	5MHz	QPSK	20775	12RB#0	22.49	PASS
Band7	5MHz	QPSK	20775	12RB#6	22.54	PASS
Band7	5MHz	QPSK	20775	12RB#13	22.48	PASS
Band7	5MHz	QPSK	20775	25RB#0	22.50	PASS
Band7	5MHz	16QAM	20775	1RB#0	22.60	PASS
Band7	5MHz	16QAM	20775	1RB#12	22.74	PASS
Band7	5MHz	16QAM	20775	1RB#24	22.74	PASS
Band7	5MHz	16QAM	20775	12RB#0	21.54	PASS
Band7	5MHz	16QAM	20775	12RB#6	21.68	PASS
Band7	5MHz	16QAM	20775	12RB#13	21.56	PASS
Band7	5MHz	16QAM	20775	25RB#0	21.56	PASS
Band7	5MHz	QPSK	21100	1RB#0	23.06	PASS
Band7	5MHz	QPSK	21100	1RB#12	23.02	PASS
Band7	5MHz	QPSK	21100	1RB#24	22.90	PASS
Band7	5MHz	QPSK	21100	12RB#0	22.01	PASS
Band7	5MHz	QPSK	21100	12RB#6	21.97	PASS
Band7	5MHz	QPSK	21100	12RB#13	21.90	PASS
Band7	5MHz	QPSK	21100	25RB#0	21.95	PASS
Band7	5MHz	16QAM	21100	1RB#0	22.07	PASS
Band7	5MHz	16QAM	21100	1RB#12	22.24	PASS
Band7	5MHz	16QAM	21100	1RB#24	21.96	PASS
Band7	5MHz	16QAM	21100	12RB#0	21.09	PASS
Band7	5MHz	16QAM	21100	12RB#6	21.06	PASS
Band7	5MHz	16QAM	21100	12RB#13	20.90	PASS
Band7	5MHz	16QAM	21100	25RB#0	21.03	PASS
Band7	5MHz	QPSK	21425	1RB#0	22.11	PASS
Band7	5MHz	QPSK	21425	1RB#12	22.08	PASS
Band7	5MHz	QPSK	21425	1RB#24	22.01	PASS
Band7	5MHz	QPSK	21425	12RB#0	20.99	PASS
Band7	5MHz	QPSK	21425	12RB#6	21.04	PASS
Band7	5MHz	QPSK	21425	12RB#13	20.99	PASS
Band7	5MHz	QPSK	21425	25RB#0	21.08	PASS
Band7	5MHz	16QAM	21425	1RB#0	21.13	PASS



Band7	5MHz	16QAM	21425	1RB#12	21.35	PASS
Band7	5MHz	16QAM	21425	1RB#24	21.06	PASS
Band7	5MHz	16QAM	21425	12RB#0	20.04	PASS
Band7	5MHz	16QAM	21425	12RB#6	20.04	PASS
Band7	5MHz	16QAM	21425	12RB#13	19.90	PASS
Band7	5MHz	16QAM	21425	25RB#0	20.08	PASS
Band7	10MHz	QPSK	20800	1RB#0	23.49	PASS
Band7	10MHz	QPSK	20800	1RB#24	23.65	PASS
Band7	10MHz	QPSK	20800	1RB#49	23.75	PASS
Band7	10MHz	QPSK	20800	25RB#0	22.57	PASS
Band7	10MHz	QPSK	20800	25RB#12	22.62	PASS
Band7	10MHz	QPSK	20800	25RB#25	22.72	PASS
Band7	10MHz	QPSK	20800	50RB#0	22.65	PASS
Band7	10MHz	16QAM	20800	1RB#0	22.43	PASS
Band7	10MHz	16QAM	20800	1RB#24	22.90	PASS
Band7	10MHz	16QAM	20800	1RB#49	22.59	PASS
Band7	10MHz	16QAM	20800	25RB#0	21.60	PASS
Band7	10MHz	16QAM	20800	25RB#12	21.70	PASS
Band7	10MHz	16QAM	20800	25RB#25	21.79	PASS
Band7	10MHz	16QAM	20800	50RB#0	21.65	PASS
Band7	10MHz	QPSK	21100	1RB#0	23.13	PASS
Band7	10MHz	QPSK	21100	1RB#24	23.02	PASS
Band7	10MHz	QPSK	21100	1RB#49	22.80	PASS
Band7	10MHz	QPSK	21100	25RB#0	22.12	PASS
Band7	10MHz	QPSK	21100	25RB#12	22.02	PASS
Band7	10MHz	QPSK	21100	25RB#25	21.88	PASS
Band7	10MHz	QPSK	21100	50RB#0	21.99	PASS
Band7	10MHz	16QAM	21100	1RB#0	22.33	PASS
Band7	10MHz	16QAM	21100	1RB#24	22.32	PASS
Band7	10MHz	16QAM	21100	1RB#49	22.08	PASS
Band7	10MHz	16QAM	21100	25RB#0	21.14	PASS
Band7	10MHz	16QAM	21100	25RB#12	21.08	PASS
Band7	10MHz	16QAM	21100	25RB#25	20.88	PASS
Band7	10MHz	16QAM	21100	50RB#0	21.03	PASS
Band7	10MHz	QPSK	21400	1RB#0	22.18	PASS
Band7	10MHz	QPSK	21400	1RB#24	22.14	PASS
Band7	10MHz	QPSK	21400	1RB#49	22.02	PASS
Band7	10MHz	QPSK	21400	25RB#0	21.12	PASS
Band7	10MHz	QPSK	21400	25RB#12	21.18	PASS
Band7	10MHz	QPSK	21400	25RB#25	21.05	PASS
Band7	10MHz	QPSK	21400	50RB#0	21.10	PASS



Band7	10MHz	16QAM	21400	1RB#0	21.37	PASS
Band7	10MHz	16QAM	21400	1RB#24	21.44	PASS
Band7	10MHz	16QAM	21400	1RB#49	21.28	PASS
Band7	10MHz	16QAM	21400	25RB#0	20.16	PASS
Band7	10MHz	16QAM	21400	25RB#12	20.16	PASS
Band7	10MHz	16QAM	21400	25RB#25	20.04	PASS
Band7	10MHz	16QAM	21400	50RB#0	20.02	PASS
Band7	15MHz	QPSK	20825	1RB#0	23.32	PASS
Band7	15MHz	QPSK	20825	1RB#38	23.64	PASS
Band7	15MHz	QPSK	20825	1RB#74	23.58	PASS
Band7	15MHz	QPSK	20825	38RB#0	22.55	PASS
Band7	15MHz	QPSK	20825	38RB#18	22.68	PASS
Band7	15MHz	QPSK	20825	38RB#37	22.81	PASS
Band7	15MHz	QPSK	20825	75RB#0	22.73	PASS
Band7	15MHz	16QAM	20825	1RB#0	22.52	PASS
Band7	15MHz	16QAM	20825	1RB#38	22.88	PASS
Band7	15MHz	16QAM	20825	1RB#74	22.76	PASS
Band7	15MHz	16QAM	20825	38RB#0	21.52	PASS
Band7	15MHz	16QAM	20825	38RB#18	21.67	PASS
Band7	15MHz	16QAM	20825	38RB#37	21.77	PASS
Band7	15MHz	16QAM	20825	75RB#0	21.68	PASS
Band7	15MHz	QPSK	21100	1RB#0	23.16	PASS
Band7	15MHz	QPSK	21100	1RB#38	23.06	PASS
Band7	15MHz	QPSK	21100	1RB#74	22.63	PASS
Band7	15MHz	QPSK	21100	38RB#0	22.18	PASS
Band7	15MHz	QPSK	21100	38RB#18	22.01	PASS
Band7	15MHz	QPSK	21100	38RB#37	21.89	PASS
Band7	15MHz	QPSK	21100	75RB#0	22.04	PASS
Band7	15MHz	16QAM	21100	1RB#0	22.42	PASS
Band7	15MHz	16QAM	21100	1RB#38	22.34	PASS
Band7	15MHz	16QAM	21100	1RB#74	21.97	PASS
Band7	15MHz	16QAM	21100	38RB#0	21.17	PASS
Band7	15MHz	16QAM	21100	38RB#18	21.07	PASS
Band7	15MHz	16QAM	21100	38RB#37	20.85	PASS
Band7	15MHz	16QAM	21100	75RB#0	21.03	PASS
Band7	15MHz	QPSK	21375	1RB#0	22.21	PASS
Band7	15MHz	QPSK	21375	1RB#38	22.15	PASS
Band7	15MHz	QPSK	21375	1RB#74	21.95	PASS
Band7	15MHz	QPSK	21375	38RB#0	21.16	PASS
Band7	15MHz	QPSK	21375	38RB#18	21.21	PASS
Band7	15MHz	QPSK	21375	38RB#37	21.13	PASS



Band7	15MHz	QPSK	21375	75RB#0	21.17	PASS
Band7	15MHz	16QAM	21375	1RB#0	21.38	PASS
Band7	15MHz	16QAM	21375	1RB#38	21.43	PASS
Band7	15MHz	16QAM	21375	1RB#74	21.21	PASS
Band7	15MHz	16QAM	21375	38RB#0	20.12	PASS
Band7	15MHz	16QAM	21375	38RB#18	20.17	PASS
Band7	15MHz	16QAM	21375	38RB#37	20.13	PASS
Band7	15MHz	16QAM	21375	75RB#0	20.08	PASS
Band7	20MHz	QPSK	20850	1RB#0	23.37	PASS
Band7	20MHz	QPSK	20850	1RB#49	23.75	PASS
Band7	20MHz	QPSK	20850	1RB#99	23.58	PASS
Band7	20MHz	QPSK	20850	50RB#0	22.52	PASS
Band7	20MHz	QPSK	20850	50RB#25	22.72	PASS
Band7	20MHz	QPSK	20850	50RB#50	22.77	PASS
Band7	20MHz	QPSK	20850	100RB#0	22.67	PASS
Band7	20MHz	16QAM	20850	1RB#0	22.35	PASS
Band7	20MHz	16QAM	20850	1RB#49	22.96	PASS
Band7	20MHz	16QAM	20850	1RB#99	22.50	PASS
Band7	20MHz	16QAM	20850	50RB#0	21.48	PASS
Band7	20MHz	16QAM	20850	50RB#25	21.75	PASS
Band7	20MHz	16QAM	20850	50RB#50	21.73	PASS
Band7	20MHz	16QAM	20850	100RB#0	21.66	PASS
Band7	20MHz	QPSK	21100	1RB#0	23.30	PASS
Band7	20MHz	QPSK	21100	1RB#49	23.14	PASS
Band7	20MHz	QPSK	21100	1RB#99	22.69	PASS
Band7	20MHz	QPSK	21100	50RB#0	22.16	PASS
Band7	20MHz	QPSK	21100	50RB#25	22.08	PASS
Band7	20MHz	QPSK	21100	50RB#50	21.75	PASS
Band7	20MHz	QPSK	21100	100RB#0	21.98	PASS
Band7	20MHz	16QAM	21100	1RB#0	22.27	PASS
Band7	20MHz	16QAM	21100	1RB#49	22.32	PASS
Band7	20MHz	16QAM	21100	1RB#99	21.69	PASS
Band7	20MHz	16QAM	21100	50RB#0	21.18	PASS
Band7	20MHz	16QAM	21100	50RB#25	21.03	PASS
Band7	20MHz	16QAM	21100	50RB#50	20.74	PASS
Band7	20MHz	16QAM	21100	100RB#0	20.98	PASS
Band7	20MHz	QPSK	21350	1RB#0	22.34	PASS
Band7	20MHz	QPSK	21350	1RB#49	22.29	PASS
Band7	20MHz	QPSK	21350	1RB#99	22.04	PASS
Band7	20MHz	QPSK	21350	50RB#0	21.21	PASS
Band7	20MHz	QPSK	21350	50RB#25	21.28	PASS



Band7	20MHz	QPSK	21350	50RB#50	21.13	PASS
Band7	20MHz	QPSK	21350	100RB#0	21.15	PASS
Band7	20MHz	16QAM	21350	1RB#0	21.33	PASS
Band7	20MHz	16QAM	21350	1RB#49	21.55	PASS
Band7	20MHz	16QAM	21350	1RB#99	20.99	PASS
Band7	20MHz	16QAM	21350	50RB#0	20.13	PASS
Band7	20MHz	16QAM	21350	50RB#25	20.21	PASS
Band7	20MHz	16QAM	21350	50RB#50	20.07	PASS
Band7	20MHz	16QAM	21350	100RB#0	20.12	PASS



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

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	4.22	13	PASS
Band7	5MHz	QPSK	20775	25RB#0	5.41	13	PASS
Band7	5MHz	16QAM	20775	1RB#0	5.00	13	PASS
Band7	5MHz	16QAM	20775	25RB#0	6.06	13	PASS
Band7	5MHz	QPSK	21100	1RB#0	5.16	13	PASS
Band7	5MHz	QPSK	21100	25RB#0	5.56	13	PASS
Band7	5MHz	16QAM	21100	1RB#0	5.77	13	PASS
Band7	5MHz	16QAM	21100	25RB#0	6.20	13	PASS
Band7	5MHz	QPSK	21425	1RB#0	4.48	13	PASS
Band7	5MHz	QPSK	21425	25RB#0	5.42	13	PASS
Band7	5MHz	16QAM	21425	1RB#0	5.18	13	PASS
Band7	5MHz	16QAM	21425	25RB#0	6.09	13	PASS
Band7	10MHz	QPSK	20800	1RB#0	4.10	13	PASS
Band7	10MHz	QPSK	20800	50RB#0	5.37	13	PASS
Band7	10MHz	16QAM	20800	1RB#0	4.96	13	PASS
Band7	10MHz	16QAM	20800	50RB#0	6.08	13	PASS
Band7	10MHz	QPSK	21100	1RB#0	4.80	13	PASS
Band7	10MHz	QPSK	21100	50RB#0	5.50	13	PASS
Band7	10MHz	16QAM	21100	1RB#0	5.66	13	PASS
Band7	10MHz	16QAM	21100	50RB#0	6.21	13	PASS
Band7	10MHz	QPSK	21400	1RB#0	4.21	13	PASS
Band7	10MHz	QPSK	21400	50RB#0	5.32	13	PASS
Band7	10MHz	16QAM	21400	1RB#0	5.05	13	PASS
Band7	10MHz	16QAM	21400	50RB#0	6.05	13	PASS
Band7	15MHz	QPSK	20825	1RB#0	4.24	13	PASS
Band7	15MHz	QPSK	20825	75RB#0	5.67	13	PASS
Band7	15MHz	16QAM	20825	1RB#0	5.09	13	PASS
Band7	15MHz	16QAM	20825	75RB#0	6.21	13	PASS
Band7	15MHz	QPSK	21100	1RB#0	4.64	13	PASS
Band7	15MHz	QPSK	21100	75RB#0	5.81	13	PASS
Band7	15MHz	16QAM	21100	1RB#0	5.48	13	PASS
Band7	15MHz	16QAM	21100	75RB#0	6.29	13	PASS
Band7	15MHz	QPSK	21375	1RB#0	4.61	13	PASS
Band7	15MHz	QPSK	21375	75RB#0	5.59	13	PASS
Band7	15MHz	16QAM	21375	1RB#0	5.45	13	PASS
Band7	15MHz	16QAM	21375	75RB#0	6.14	13	PASS
Band7	20MHz	QPSK	20850	1RB#0	4.27	13	PASS

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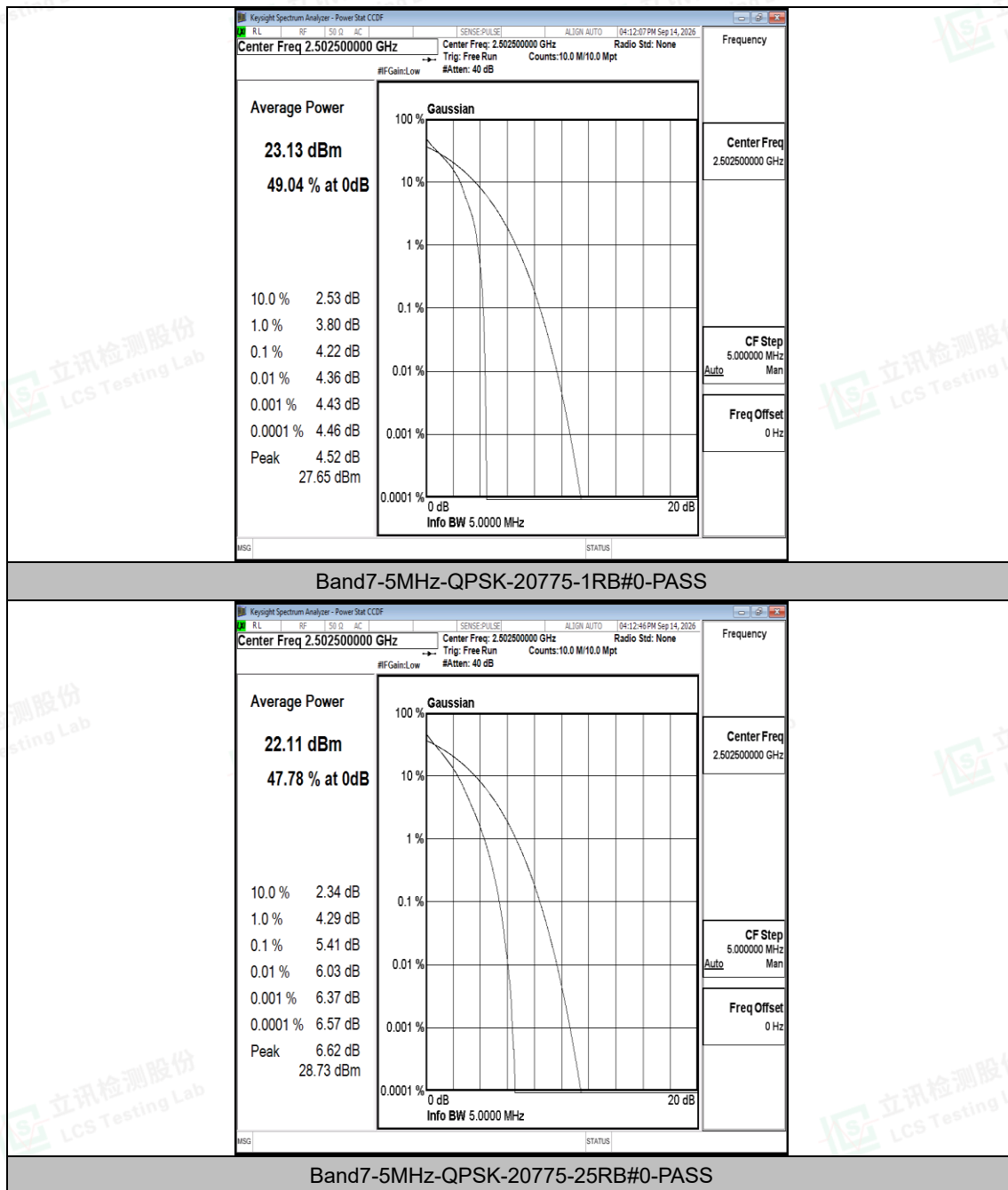
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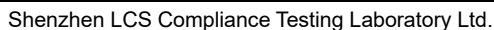


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Band7	20MHz	16QAM	20850	1RB#0	4.92	13	PASS
Band7	20MHz	16QAM	20850	100RB#0	6.08	13	PASS
Band7	20MHz	QPSK	21100	1RB#0	4.37	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	5.43	13	PASS
Band7	20MHz	16QAM	21100	1RB#0	5.07	13	PASS
Band7	20MHz	16QAM	21100	100RB#0	6.20	13	PASS
Band7	20MHz	QPSK	21350	1RB#0	4.81	13	PASS
Band7	20MHz	QPSK	21350	100RB#0	5.27	13	PASS
Band7	20MHz	16QAM	21350	1RB#0	5.40	13	PASS
Band7	20MHz	16QAM	21350	100RB#0	6.07	13	PASS



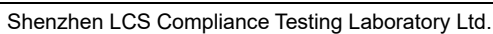
Test Graphs





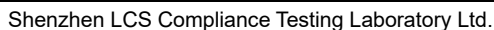
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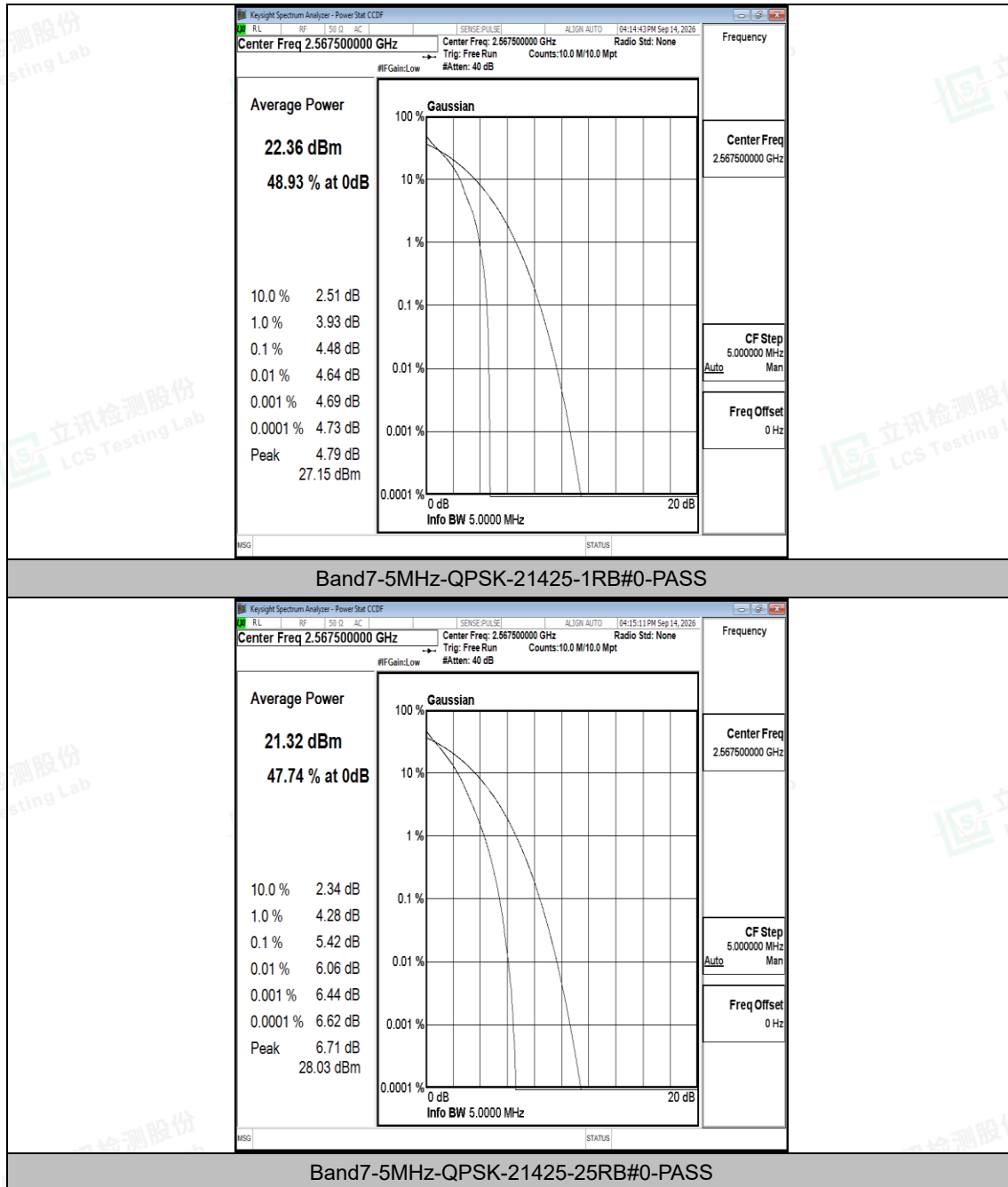
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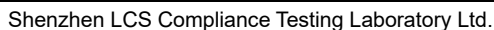
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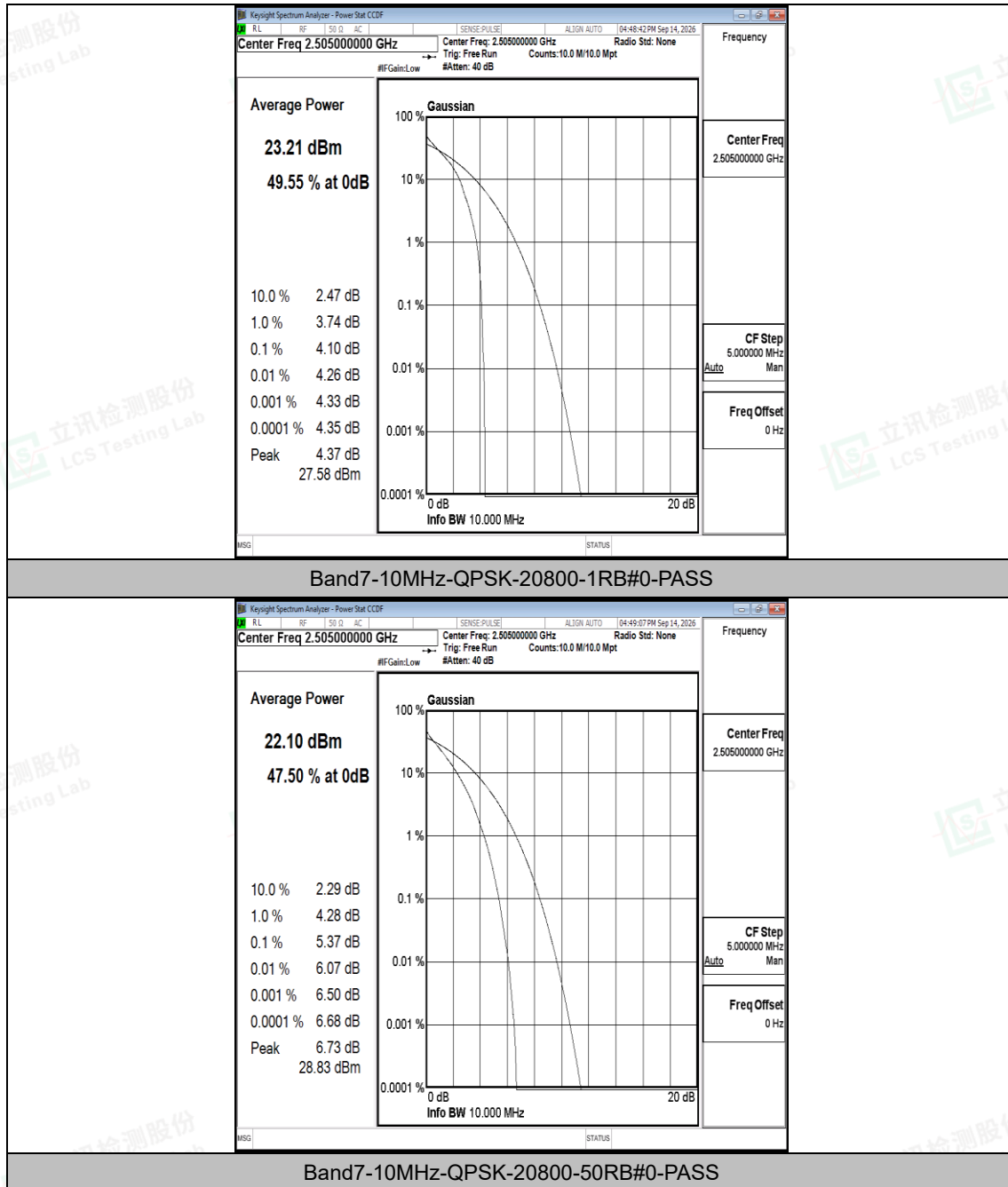
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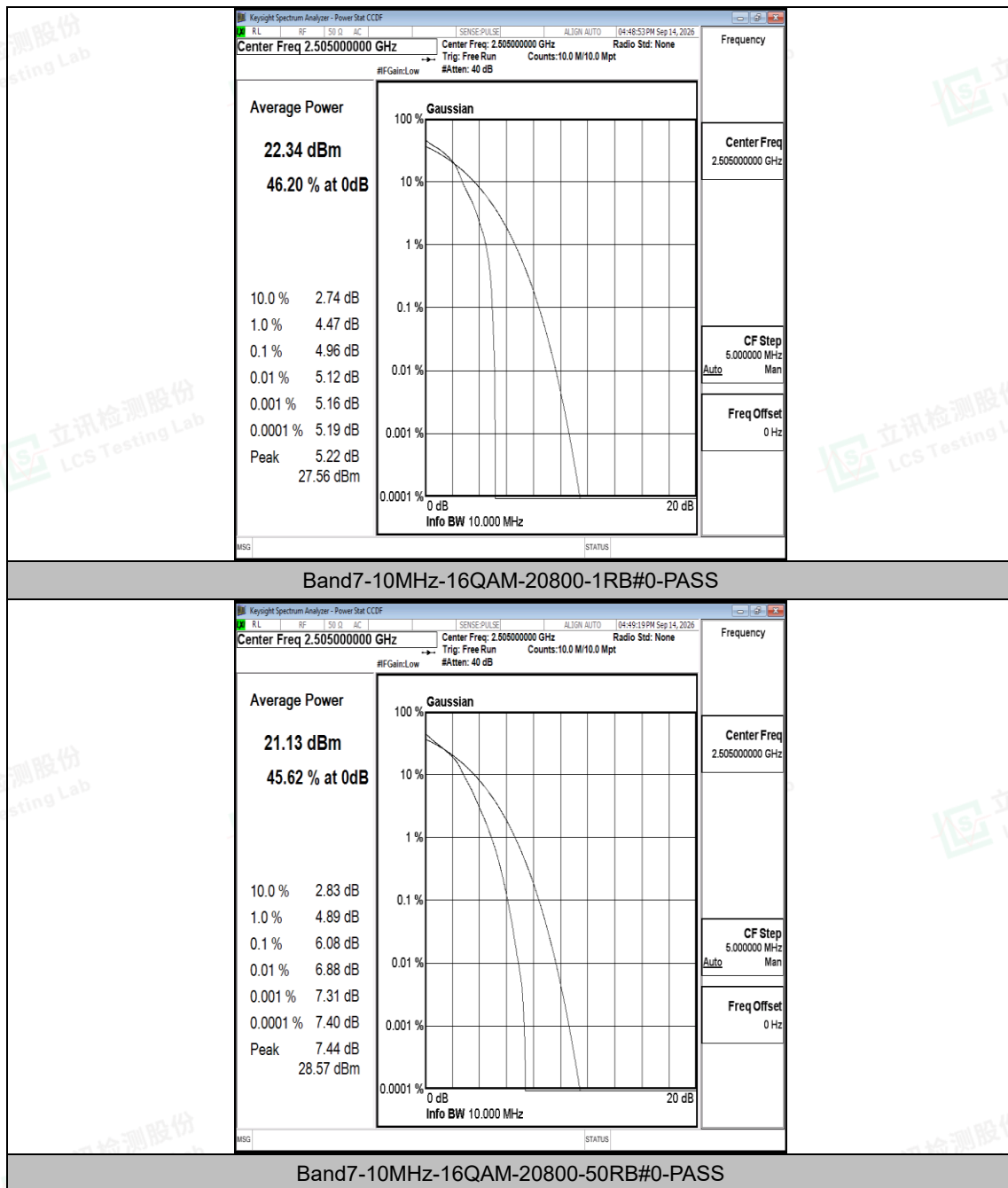


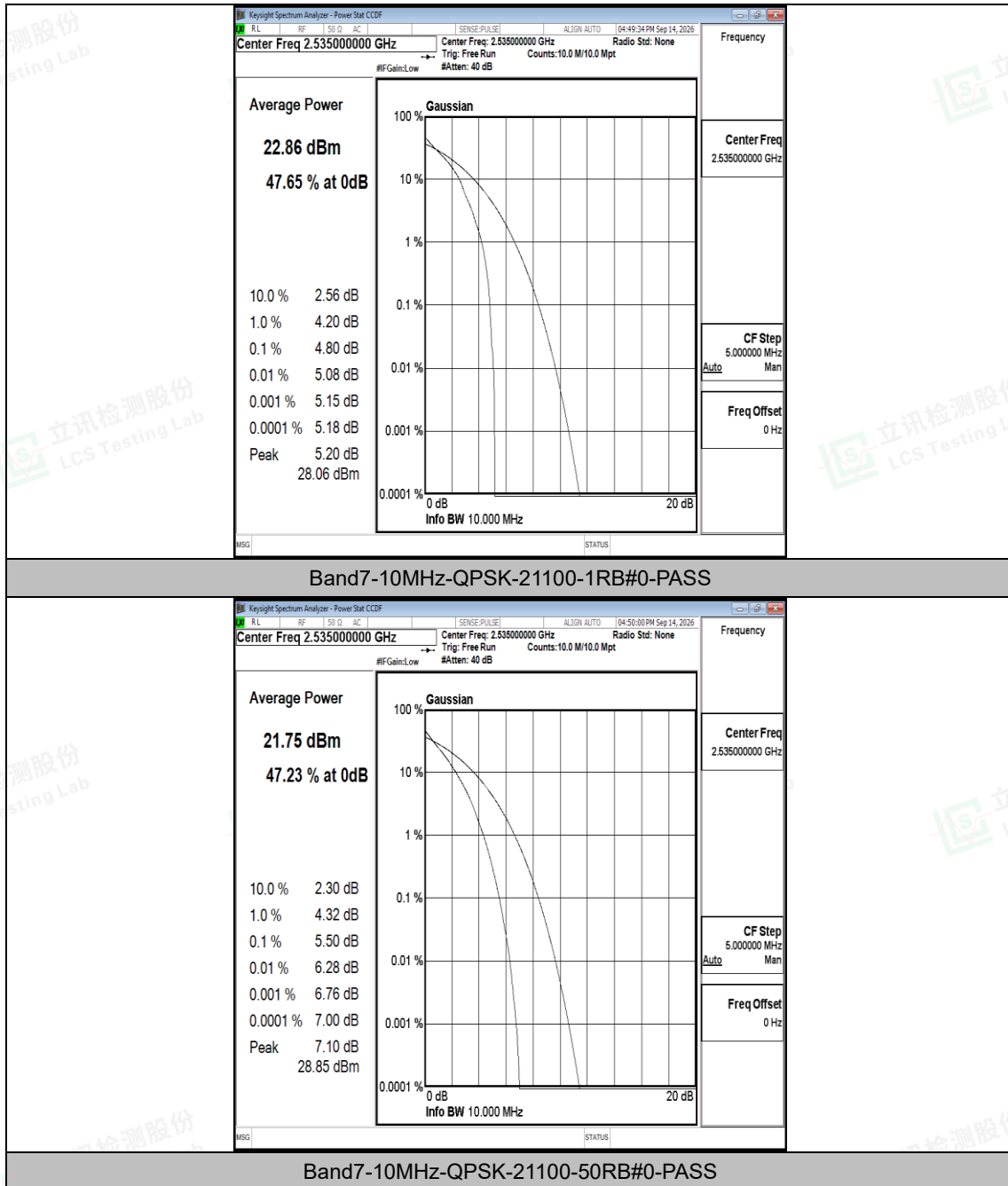


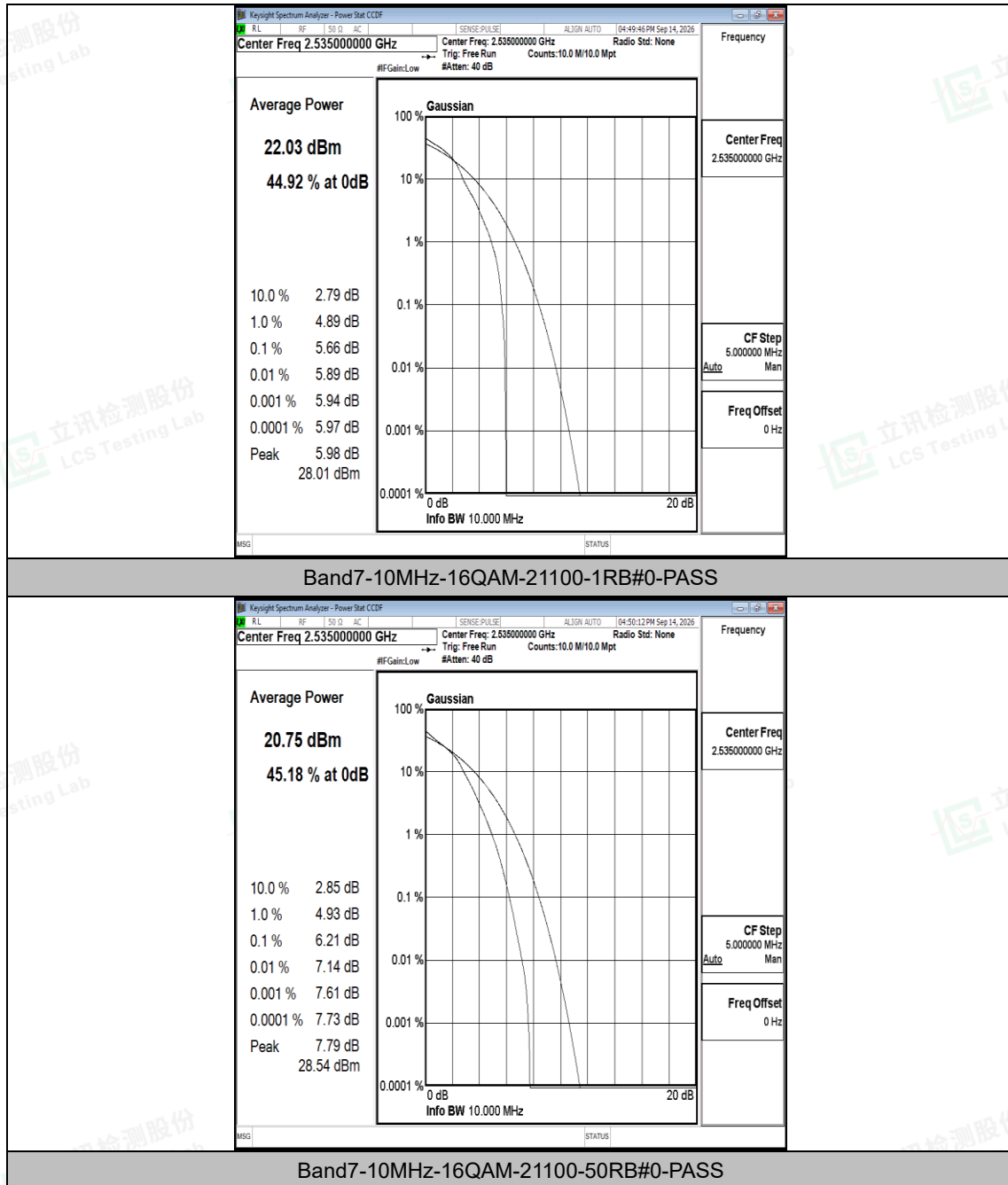
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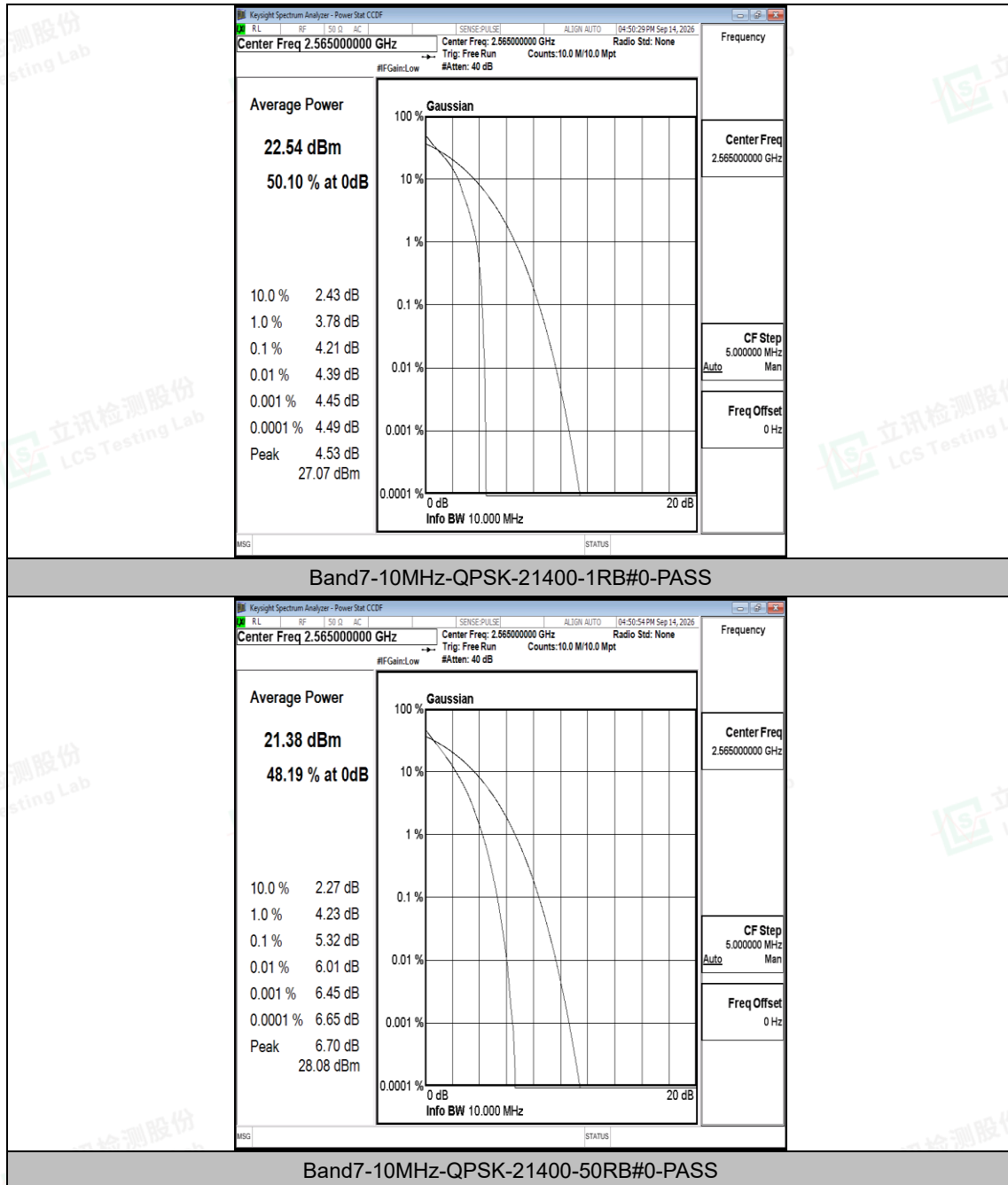
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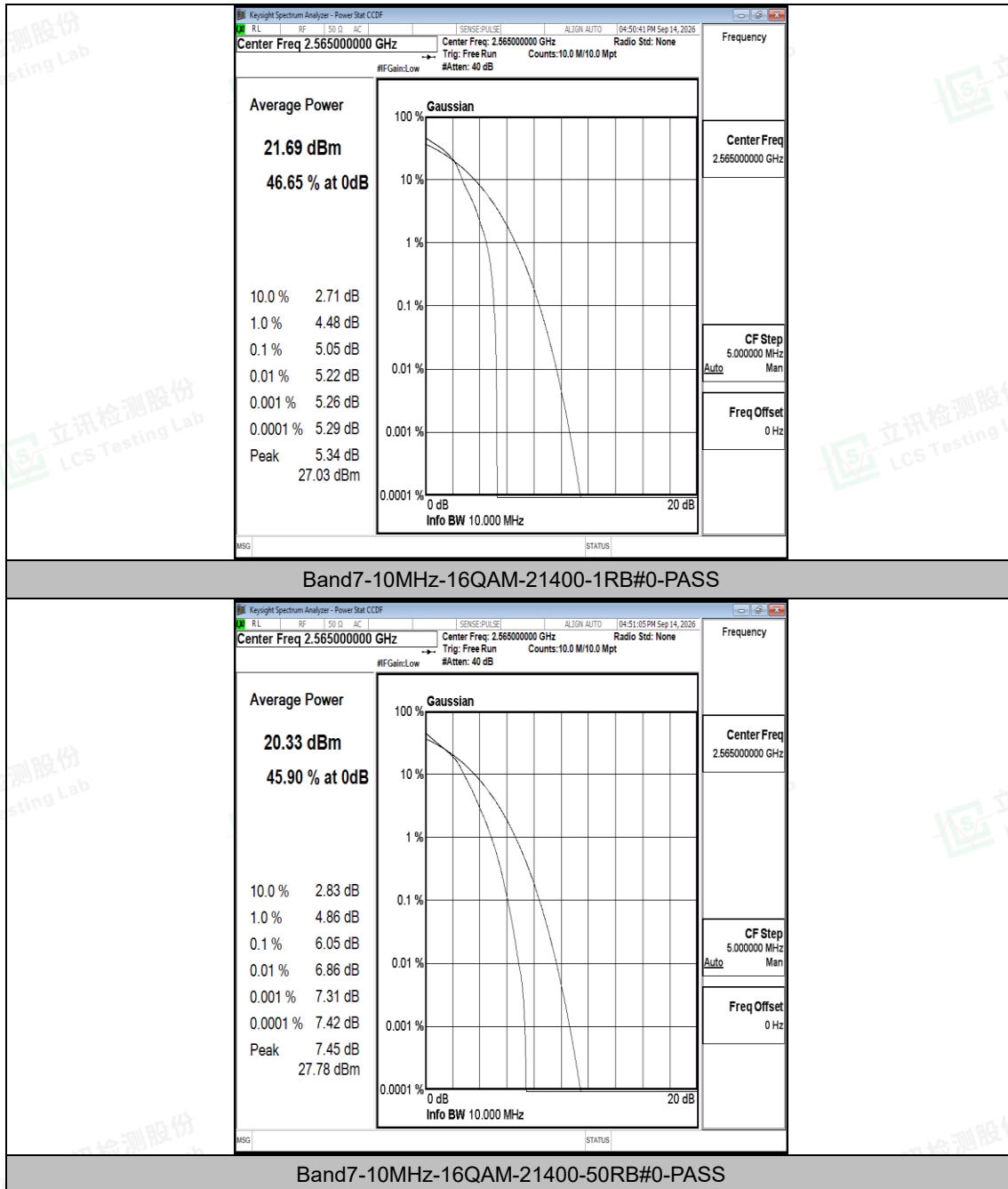


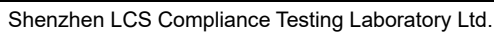






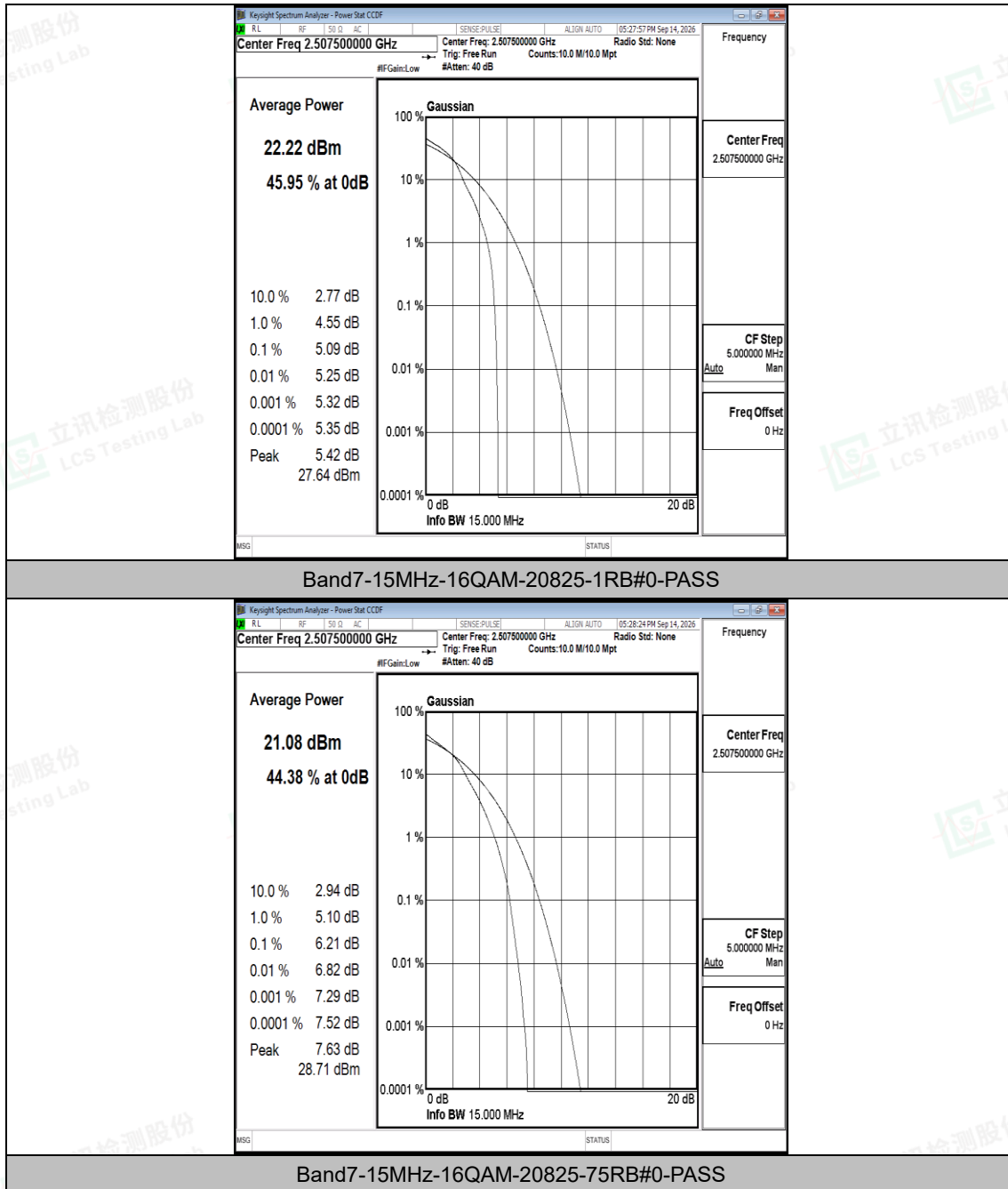


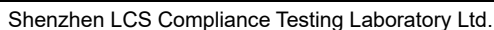




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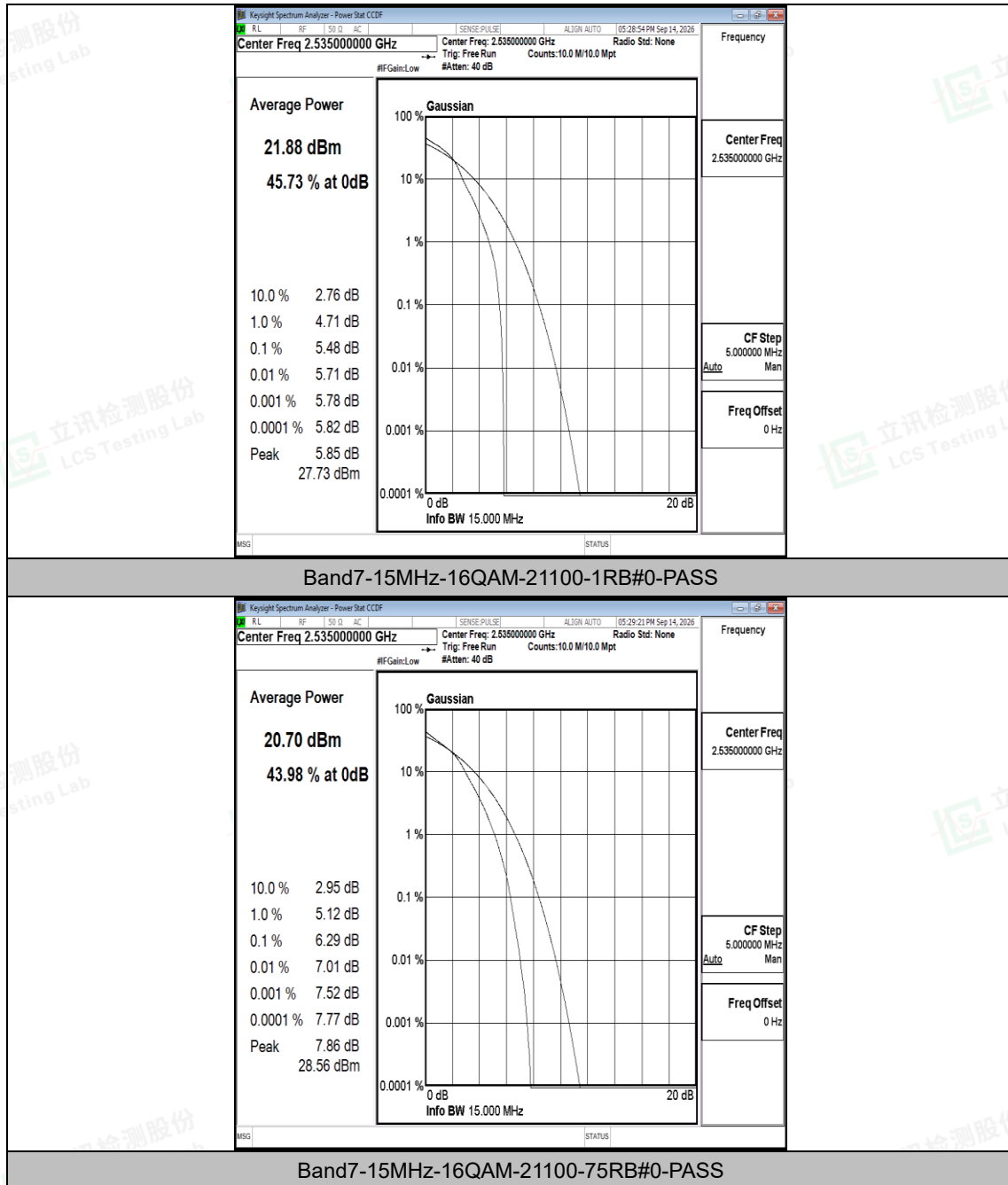
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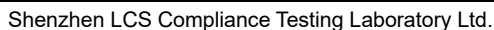




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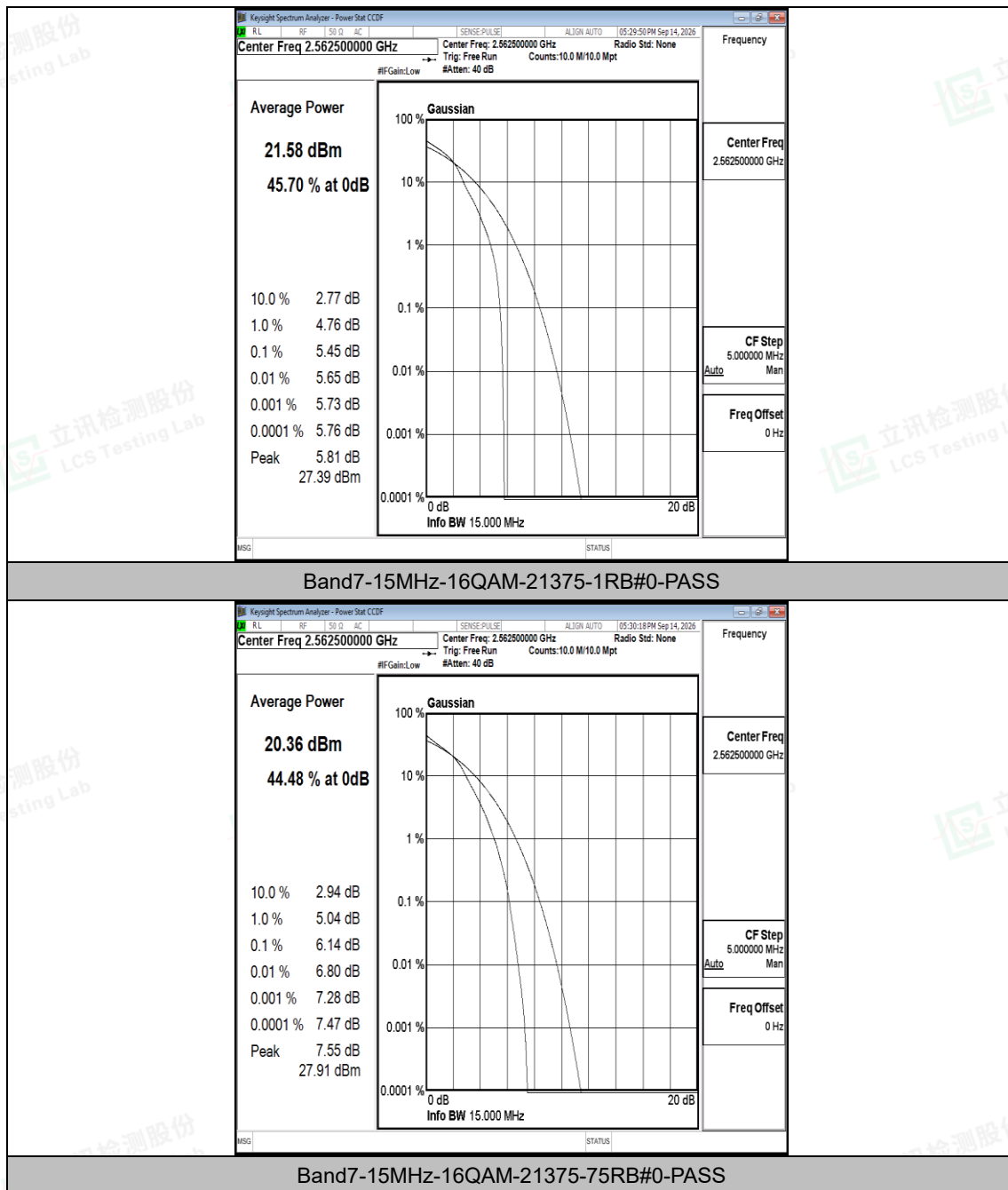
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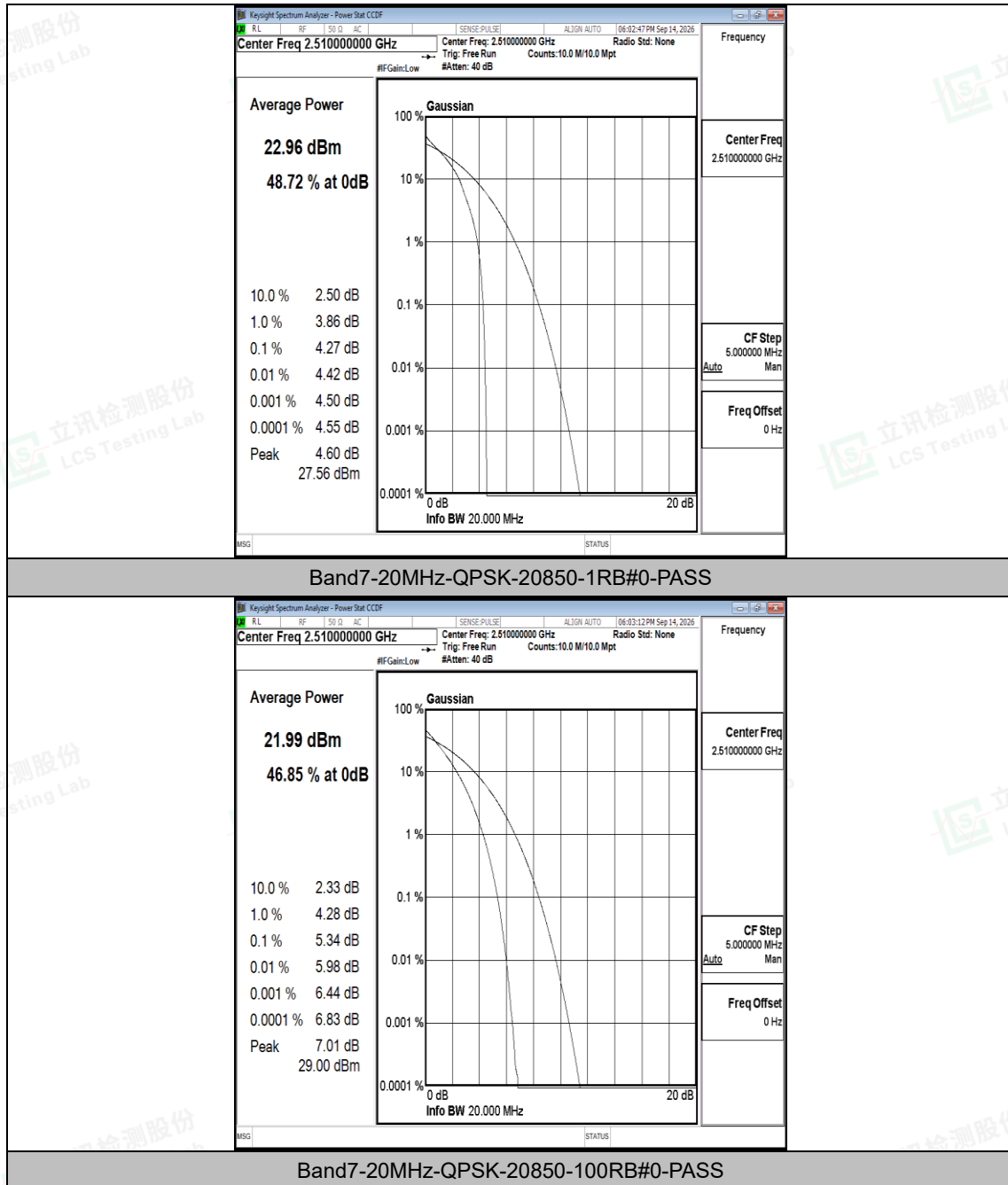


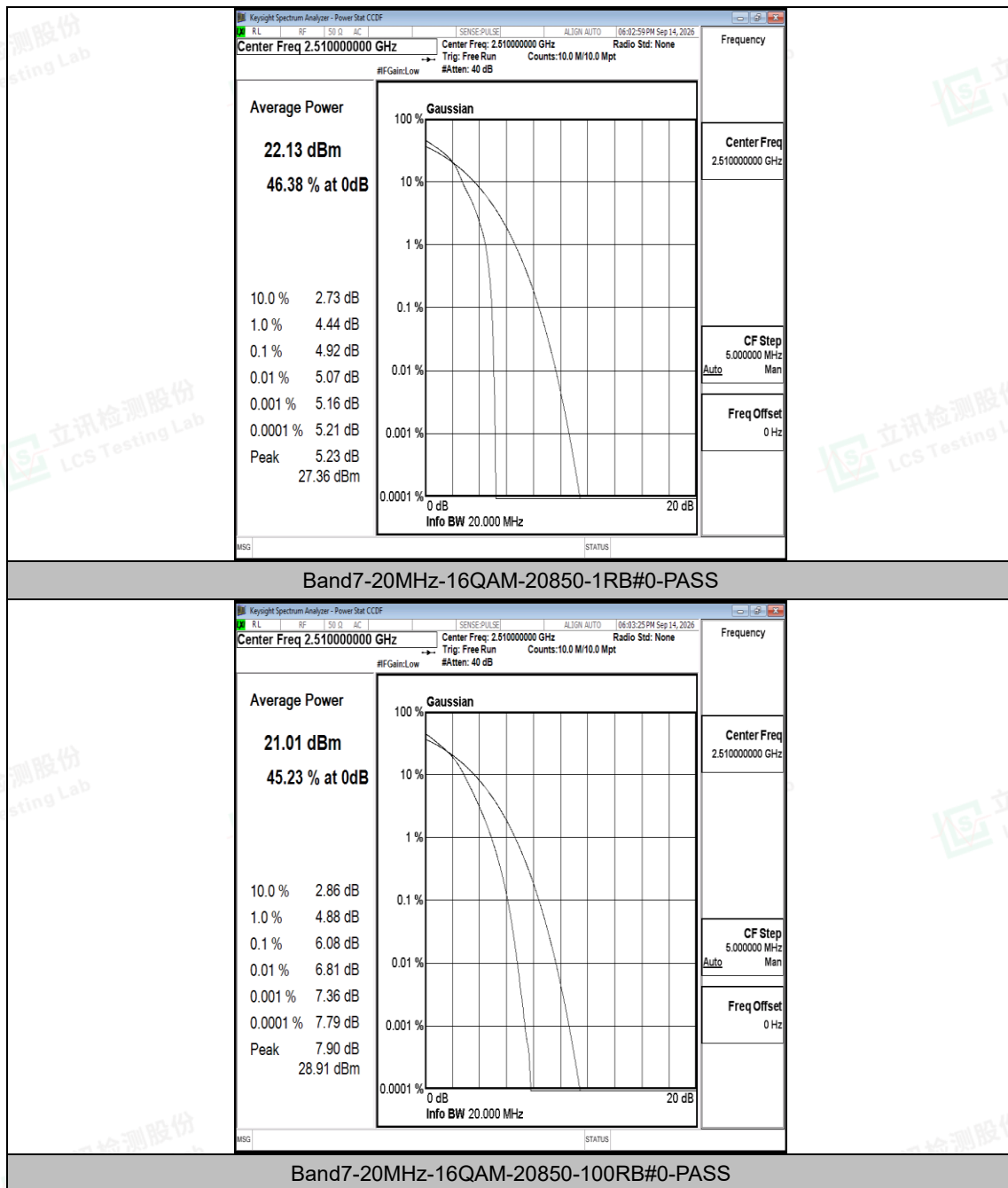


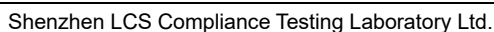
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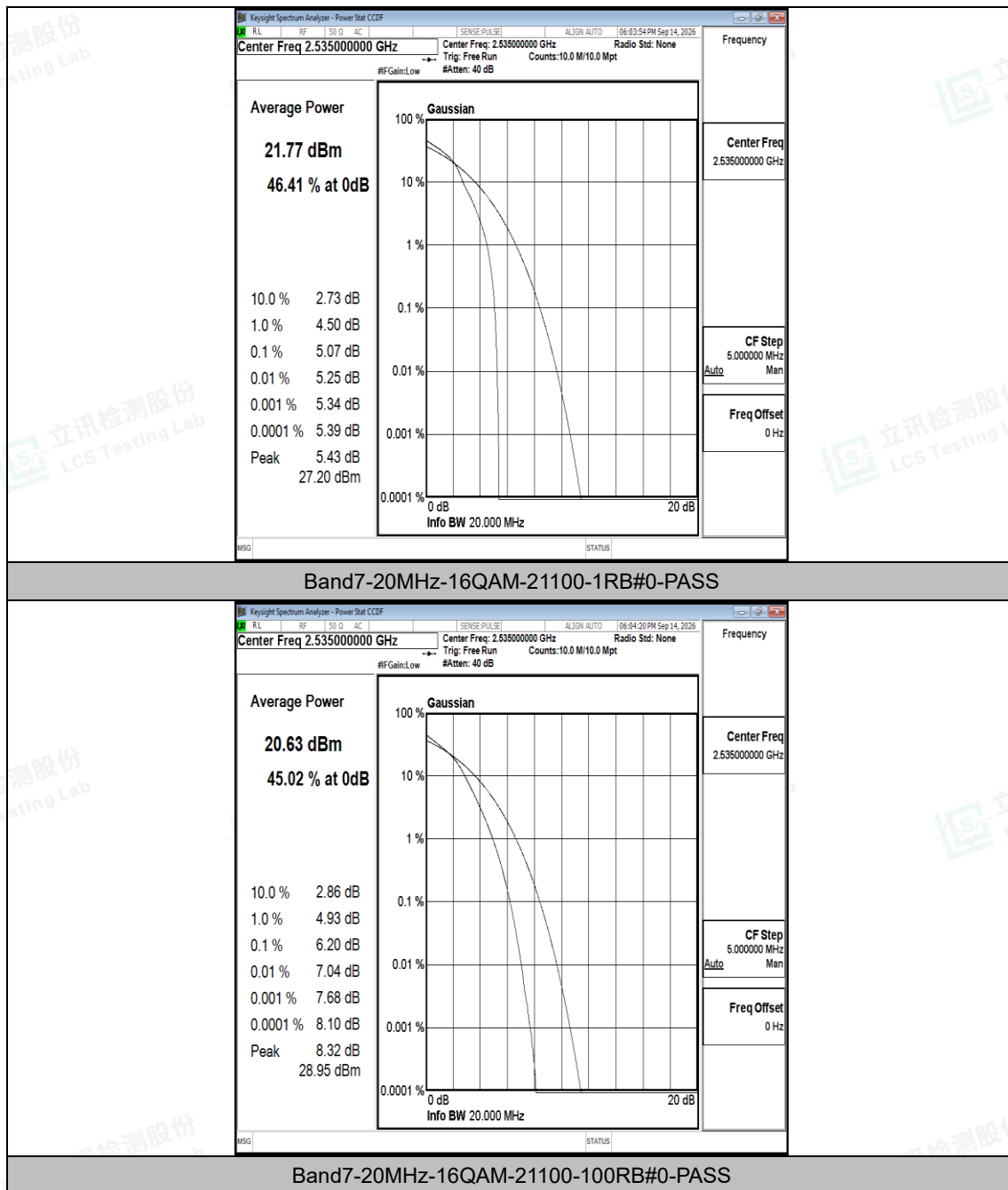


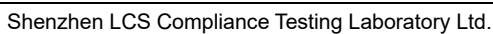






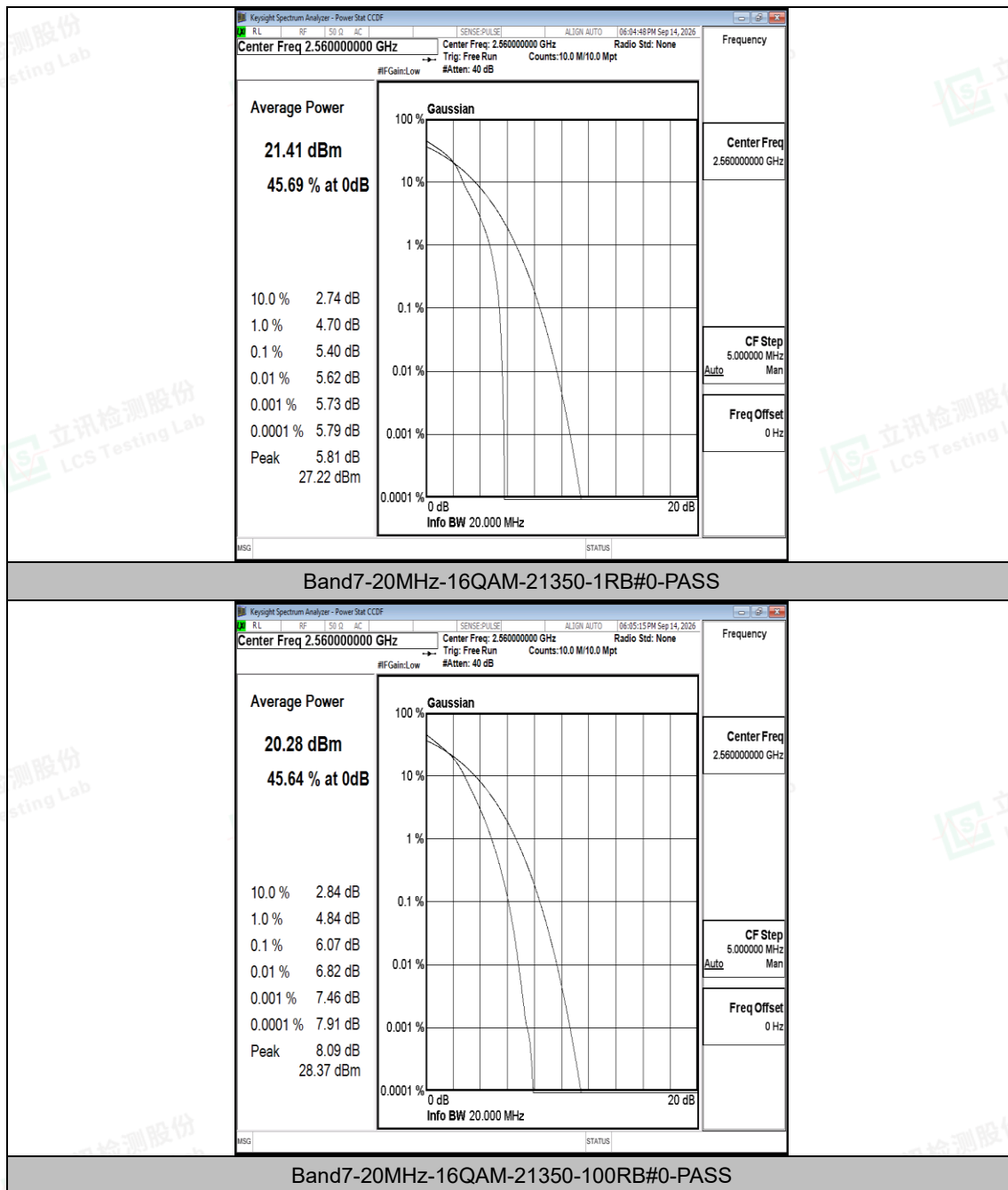
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K.3 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	4.4957	4.920	PASS
Band7	5MHz	16QAM	20775	25RB#0	4.4949	4.895	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.4990	4.907	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.4939	4.885	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.5044	4.882	PASS
Band7	5MHz	16QAM	21425	25RB#0	4.4948	4.903	PASS
Band7	10MHz	QPSK	20800	50RB#0	8.9926	9.817	PASS
Band7	10MHz	16QAM	20800	50RB#0	8.9720	9.720	PASS
Band7	10MHz	QPSK	21100	50RB#0	8.9843	9.764	PASS
Band7	10MHz	16QAM	21100	50RB#0	8.9807	9.728	PASS
Band7	10MHz	QPSK	21400	50RB#0	8.9717	9.800	PASS
Band7	10MHz	16QAM	21400	50RB#0	8.9777	9.730	PASS
Band7	15MHz	QPSK	20825	75RB#0	13.503	14.69	PASS
Band7	15MHz	16QAM	20825	75RB#0	13.470	14.61	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.461	14.52	PASS
Band7	15MHz	16QAM	21100	75RB#0	13.495	14.55	PASS
Band7	15MHz	QPSK	21375	75RB#0	13.447	14.57	PASS
Band7	15MHz	16QAM	21375	75RB#0	13.455	14.62	PASS
Band7	20MHz	QPSK	20850	100RB#0	17.939	19.38	PASS
Band7	20MHz	16QAM	20850	100RB#0	17.954	19.40	PASS
Band7	20MHz	QPSK	21100	100RB#0	17.905	19.28	PASS
Band7	20MHz	16QAM	21100	100RB#0	17.981	19.32	PASS
Band7	20MHz	QPSK	21350	100RB#0	17.889	19.25	PASS
Band7	20MHz	16QAM	21350	100RB#0	17.930	19.36	PASS



Test Graphs

