



Appendix E: Test Data for E-UTRA Band 7

Product Name: Global Powerbank WiFi

Test Model: P1

Environmental Conditions

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



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E.1 Conducted Output Power Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	23.93	PASS
Band7	5MHz	16QAM	20775	1RB#0	22.95	PASS
Band7	5MHz	QPSK	20775	1RB#12	24.33	PASS
Band7	5MHz	16QAM	20775	1RB#12	22.93	PASS
Band7	5MHz	QPSK	20775	1RB#24	23.91	PASS
Band7	5MHz	16QAM	20775	1RB#24	22.96	PASS
Band7	5MHz	QPSK	20775	12RB#0	23.45	PASS
Band7	5MHz	16QAM	20775	12RB#0	22.58	PASS
Band7	5MHz	QPSK	20775	12RB#6	23.55	PASS
Band7	5MHz	16QAM	20775	12RB#6	22.58	PASS
Band7	5MHz	QPSK	20775	12RB#13	23.56	PASS
Band7	5MHz	16QAM	20775	12RB#13	22.52	PASS
Band7	5MHz	QPSK	20775	25RB#0	23.37	PASS
Band7	5MHz	16QAM	20775	25RB#0	22.64	PASS
Band7	5MHz	QPSK	21100	1RB#0	23.92	PASS
Band7	5MHz	16QAM	21100	1RB#0	23.25	PASS
Band7	5MHz	QPSK	21100	1RB#12	23.90	PASS
Band7	5MHz	16QAM	21100	1RB#12	23.31	PASS
Band7	5MHz	QPSK	21100	1RB#24	23.45	PASS
Band7	5MHz	16QAM	21100	1RB#24	23.27	PASS
Band7	5MHz	QPSK	21100	12RB#0	23.22	PASS
Band7	5MHz	16QAM	21100	12RB#0	22.33	PASS
Band7	5MHz	QPSK	21100	12RB#6	23.20	PASS
Band7	5MHz	16QAM	21100	12RB#6	22.39	PASS
Band7	5MHz	QPSK	21100	12RB#13	23.26	PASS
Band7	5MHz	16QAM	21100	12RB#13	22.47	PASS
Band7	5MHz	QPSK	21100	25RB#0	23.29	PASS
Band7	5MHz	16QAM	21100	25RB#0	22.43	PASS
Band7	5MHz	QPSK	21425	1RB#0	24.44	PASS
Band7	5MHz	16QAM	21425	1RB#0	23.17	PASS
Band7	5MHz	QPSK	21425	1RB#12	24.47	PASS
Band7	5MHz	16QAM	21425	1RB#12	23.22	PASS
Band7	5MHz	QPSK	21425	1RB#24	23.80	PASS
Band7	5MHz	16QAM	21425	1RB#24	23.13	PASS



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Band7	5MHz	QPSK	21425	12RB#0	23.43	PASS
Band7	5MHz	16QAM	21425	12RB#0	22.54	PASS
Band7	5MHz	QPSK	21425	12RB#6	23.39	PASS
Band7	5MHz	16QAM	21425	12RB#6	22.56	PASS
Band7	5MHz	QPSK	21425	12RB#13	23.33	PASS
Band7	5MHz	16QAM	21425	12RB#13	22.47	PASS
Band7	5MHz	QPSK	21425	25RB#0	23.37	PASS
Band7	5MHz	16QAM	21425	25RB#0	22.62	PASS
Band7	10MHz	QPSK	20800	1RB#0	23.99	PASS
Band7	10MHz	16QAM	20800	1RB#0	23.57	PASS
Band7	10MHz	QPSK	20800	1RB#24	24.21	PASS
Band7	10MHz	16QAM	20800	1RB#24	23.63	PASS
Band7	10MHz	QPSK	20800	1RB#49	24.26	PASS
Band7	10MHz	16QAM	20800	1RB#49	23.47	PASS
Band7	10MHz	QPSK	20800	25RB#0	23.52	PASS
Band7	10MHz	16QAM	20800	25RB#0	22.47	PASS
Band7	10MHz	QPSK	20800	25RB#12	23.42	PASS
Band7	10MHz	16QAM	20800	25RB#12	22.49	PASS
Band7	10MHz	QPSK	20800	25RB#25	23.42	PASS
Band7	10MHz	16QAM	20800	25RB#25	22.42	PASS
Band7	10MHz	QPSK	20800	50RB#0	23.49	PASS
Band7	10MHz	16QAM	20800	50RB#0	22.56	PASS
Band7	10MHz	QPSK	21100	1RB#0	23.89	PASS
Band7	10MHz	16QAM	21100	1RB#0	22.94	PASS
Band7	10MHz	QPSK	21100	1RB#24	23.96	PASS
Band7	10MHz	16QAM	21100	1RB#24	23.12	PASS
Band7	10MHz	QPSK	21100	1RB#49	23.97	PASS
Band7	10MHz	16QAM	21100	1RB#49	23.20	PASS
Band7	10MHz	QPSK	21100	25RB#0	23.17	PASS
Band7	10MHz	16QAM	21100	25RB#0	22.34	PASS
Band7	10MHz	QPSK	21100	25RB#12	23.23	PASS
Band7	10MHz	16QAM	21100	25RB#12	22.30	PASS
Band7	10MHz	QPSK	21100	25RB#25	23.30	PASS
Band7	10MHz	16QAM	21100	25RB#25	22.39	PASS
Band7	10MHz	QPSK	21100	50RB#0	23.20	PASS
Band7	10MHz	16QAM	21100	50RB#0	22.41	PASS
Band7	10MHz	QPSK	21400	1RB#0	24.23	PASS
Band7	10MHz	16QAM	21400	1RB#0	23.64	PASS
Band7	10MHz	QPSK	21400	1RB#24	24.19	PASS
Band7	10MHz	16QAM	21400	1RB#24	23.55	PASS



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Band7	10MHz	QPSK	21400	1RB#49	23.93	PASS
Band7	10MHz	16QAM	21400	1RB#49	23.36	PASS
Band7	10MHz	QPSK	21400	25RB#0	23.52	PASS
Band7	10MHz	16QAM	21400	25RB#0	22.44	PASS
Band7	10MHz	QPSK	21400	25RB#12	23.37	PASS
Band7	10MHz	16QAM	21400	25RB#12	22.55	PASS
Band7	10MHz	QPSK	21400	25RB#25	23.41	PASS
Band7	10MHz	16QAM	21400	25RB#25	22.43	PASS
Band7	10MHz	QPSK	21400	50RB#0	23.42	PASS
Band7	10MHz	16QAM	21400	50RB#0	22.51	PASS
Band7	15MHz	QPSK	20825	1RB#0	24.08	PASS
Band7	15MHz	16QAM	20825	1RB#0	23.54	PASS
Band7	15MHz	QPSK	20825	1RB#38	24.15	PASS
Band7	15MHz	16QAM	20825	1RB#38	23.46	PASS
Band7	15MHz	16QAM	20825	1RB#74	23.17	PASS
Band7	15MHz	QPSK	20825	38RB#0	23.45	PASS
Band7	15MHz	16QAM	20825	38RB#0	23.42	PASS
Band7	15MHz	QPSK	20825	38RB#18	23.40	PASS
Band7	15MHz	16QAM	20825	38RB#18	23.38	PASS
Band7	15MHz	QPSK	20825	38RB#37	23.36	PASS
Band7	15MHz	16QAM	20825	38RB#37	23.35	PASS
Band7	15MHz	QPSK	20825	75RB#0	23.34	PASS
Band7	15MHz	16QAM	20825	75RB#0	22.48	PASS
Band7	15MHz	QPSK	21100	1RB#0	23.81	PASS
Band7	15MHz	16QAM	21100	1RB#0	23.19	PASS
Band7	15MHz	QPSK	21100	1RB#38	23.43	PASS
Band7	15MHz	16QAM	21100	1RB#38	23.32	PASS
Band7	15MHz	16QAM	21100	1RB#74	23.36	PASS
Band7	15MHz	QPSK	21100	38RB#0	23.27	PASS
Band7	15MHz	16QAM	21100	38RB#0	23.25	PASS
Band7	15MHz	QPSK	21100	38RB#18	23.25	PASS
Band7	15MHz	16QAM	21100	38RB#18	23.23	PASS
Band7	15MHz	QPSK	20825	1RB#74	23.98	PASS
Band7	15MHz	QPSK	21100	1RB#74	23.40	PASS
Band7	15MHz	QPSK	21100	38RB#37	23.23	PASS
Band7	15MHz	16QAM	21100	38RB#37	23.21	PASS
Band7	15MHz	QPSK	21100	75RB#0	23.21	PASS
Band7	15MHz	16QAM	21100	75RB#0	22.38	PASS
Band7	15MHz	QPSK	21375	1RB#0	24.05	PASS
Band7	15MHz	16QAM	21375	1RB#0	23.67	PASS



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Band7	15MHz	QPSK	21375	1RB#38	24.08	PASS
Band7	15MHz	16QAM	21375	1RB#38	23.40	PASS
Band7	15MHz	QPSK	21375	1RB#74	23.75	PASS
Band7	15MHz	16QAM	21375	1RB#74	23.36	PASS
Band7	15MHz	QPSK	21375	38RB#0	23.46	PASS
Band7	15MHz	16QAM	21375	38RB#0	23.44	PASS
Band7	15MHz	QPSK	21375	38RB#18	23.43	PASS
Band7	15MHz	16QAM	21375	38RB#18	23.41	PASS
Band7	15MHz	QPSK	21375	38RB#37	23.40	PASS
Band7	15MHz	16QAM	21375	38RB#37	23.38	PASS
Band7	15MHz	QPSK	21375	75RB#0	23.37	PASS
Band7	15MHz	16QAM	21375	75RB#0	22.64	PASS
Band7	20MHz	QPSK	20850	1RB#0	26.63	PASS
Band7	20MHz	16QAM	20850	1RB#0	25.27	PASS
Band7	20MHz	QPSK	20850	1RB#49	26.51	PASS
Band7	20MHz	16QAM	20850	1RB#49	25.06	PASS
Band7	20MHz	QPSK	20850	1RB#99	26.24	PASS
Band7	20MHz	16QAM	20850	1RB#99	24.85	PASS
Band7	20MHz	QPSK	20850	50RB#0	25.54	PASS
Band7	20MHz	16QAM	20850	50RB#0	24.56	PASS
Band7	20MHz	QPSK	20850	50RB#25	25.49	PASS
Band7	20MHz	16QAM	20850	50RB#25	24.52	PASS
Band7	20MHz	QPSK	20850	50RB#50	25.22	PASS
Band7	20MHz	16QAM	20850	50RB#50	24.39	PASS
Band7	20MHz	QPSK	20850	100RB#0	25.26	PASS
Band7	20MHz	16QAM	20850	100RB#0	24.44	PASS
Band7	20MHz	QPSK	21100	1RB#0	26.15	PASS
Band7	20MHz	16QAM	21100	1RB#0	25.64	PASS
Band7	20MHz	QPSK	21100	1RB#49	25.95	PASS
Band7	20MHz	16QAM	21100	1RB#49	25.66	PASS
Band7	20MHz	QPSK	21100	1RB#99	26.44	PASS
Band7	20MHz	16QAM	21100	1RB#99	25.92	PASS
Band7	20MHz	QPSK	21100	50RB#0	25.21	PASS
Band7	20MHz	16QAM	21100	50RB#0	24.38	PASS
Band7	20MHz	QPSK	21100	50RB#25	25.12	PASS
Band7	20MHz	16QAM	21100	50RB#25	24.37	PASS
Band7	20MHz	QPSK	21100	50RB#50	25.32	PASS
Band7	20MHz	16QAM	21100	50RB#50	24.58	PASS
Band7	20MHz	QPSK	21100	100RB#0	25.34	PASS
Band7	20MHz	16QAM	21100	100RB#0	24.43	PASS



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Band7	20MHz	QPSK	21350	1RB#0	26.26	PASS
Band7	20MHz	16QAM	21350	1RB#0	25.63	PASS
Band7	20MHz	QPSK	21350	1RB#49	26.25	PASS
Band7	20MHz	16QAM	21350	1RB#49	25.54	PASS
Band7	20MHz	QPSK	21350	1RB#99	26.33	PASS
Band7	20MHz	16QAM	21350	1RB#99	25.29	PASS
Band7	20MHz	QPSK	21350	50RB#0	25.74	PASS
Band7	20MHz	16QAM	21350	50RB#0	24.90	PASS
Band7	20MHz	QPSK	21350	50RB#25	25.72	PASS
Band7	20MHz	16QAM	21350	50RB#25	24.89	PASS
Band7	20MHz	QPSK	21350	50RB#50	25.43	PASS
Band7	20MHz	16QAM	21350	50RB#50	24.61	PASS
Band7	20MHz	QPSK	21350	100RB#0	25.63	PASS
Band7	20MHz	16QAM	21350	100RB#0	24.63	PASS





E.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	2.93	13	PASS
Band7	5MHz	16QAM	20775	1RB#0	4.02	13	PASS
Band7	5MHz	QPSK	20775	25RB#0	4.71	13	PASS
Band7	5MHz	16QAM	20775	25RB#0	5.33	13	PASS
Band7	5MHz	QPSK	21100	1RB#0	2.48	13	PASS
Band7	5MHz	16QAM	21100	1RB#0	3.13	13	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.18	13	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.85	13	PASS
Band7	5MHz	QPSK	21425	1RB#0	3.46	13	PASS
Band7	5MHz	16QAM	21425	1RB#0	3.95	13	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.61	13	PASS
Band7	5MHz	16QAM	21425	25RB#0	5.29	13	PASS
Band7	10MHz	QPSK	20800	1RB#0	2.94	13	PASS
Band7	10MHz	16QAM	20800	1RB#0	3.95	13	PASS
Band7	10MHz	QPSK	20800	50RB#0	4.78	13	PASS
Band7	10MHz	16QAM	20800	50RB#0	5.56	13	PASS
Band7	10MHz	QPSK	21100	1RB#0	2.32	13	PASS
Band7	10MHz	16QAM	21100	1RB#0	3.69	13	PASS
Band7	10MHz	QPSK	21100	50RB#0	4.21	13	PASS
Band7	10MHz	16QAM	21100	50RB#0	4.90	13	PASS
Band7	10MHz	QPSK	21400	1RB#0	3.88	13	PASS
Band7	10MHz	16QAM	21400	1RB#0	4.78	13	PASS
Band7	10MHz	QPSK	21400	50RB#0	4.86	13	PASS
Band7	10MHz	16QAM	21400	50RB#0	5.62	13	PASS
Band7	15MHz	QPSK	20825	1RB#0	8.39	13	PASS
Band7	15MHz	16QAM	20825	1RB#0	5.10	13	PASS
Band7	15MHz	QPSK	20825	75RB#0	5.62	13	PASS
Band7	15MHz	16QAM	20825	75RB#0	6.15	13	PASS
Band7	15MHz	QPSK	21100	1RB#0	4.69	13	PASS
Band7	15MHz	16QAM	21100	1RB#0	5.66	13	PASS
Band7	15MHz	QPSK	21100	75RB#0	5.75	13	PASS
Band7	15MHz	16QAM	21100	75RB#0	6.23	13	PASS
Band7	15MHz	QPSK	21375	1RB#0	4.39	13	PASS



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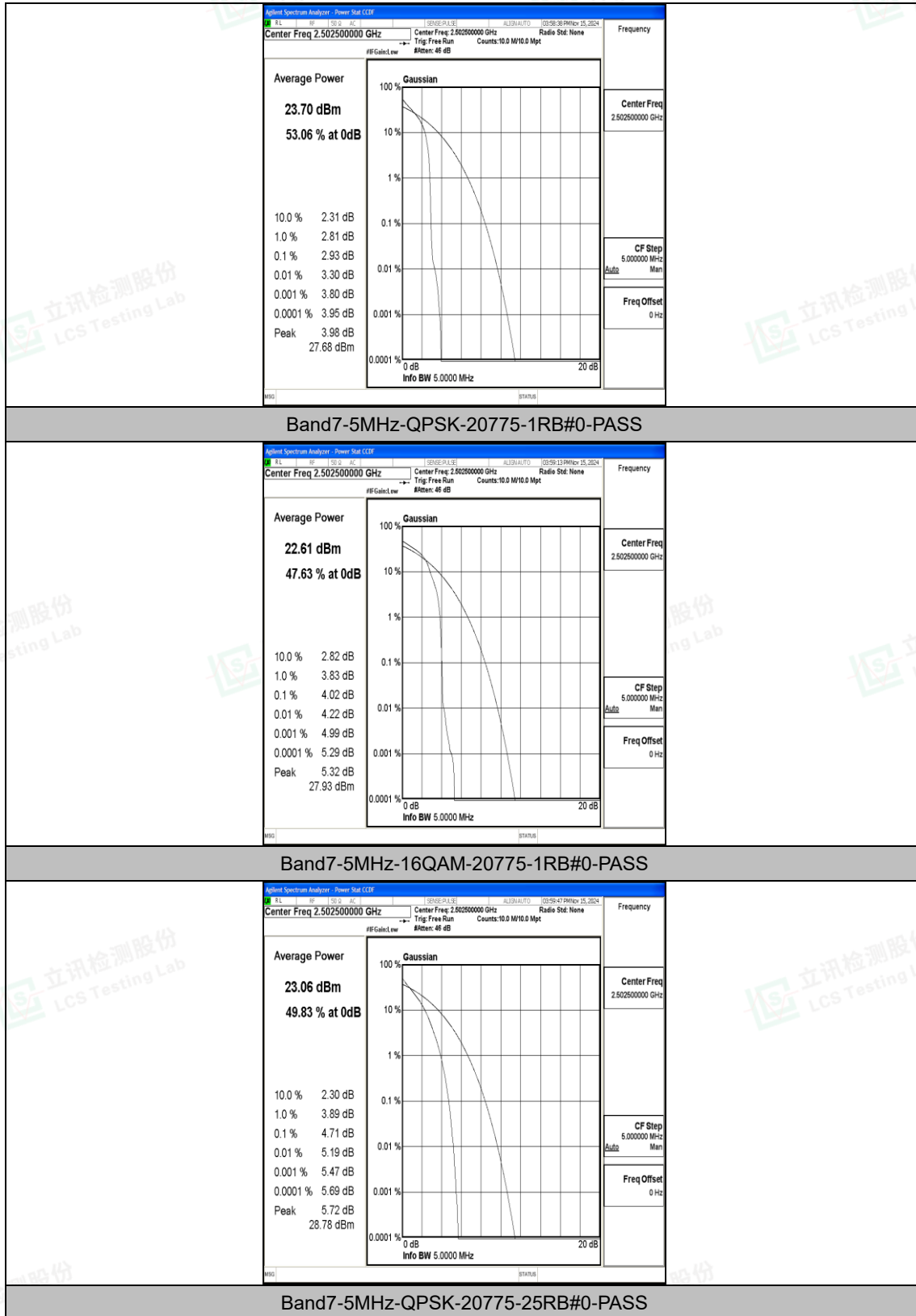


Band7	15MHz	16QAM	21375	1RB#0	5.27	13	PASS
Band7	20MHz	QPSK	20850	1RB#0	3.91	13	PASS
Band7	20MHz	16QAM	20850	1RB#0	4.73	13	PASS
Band7	20MHz	QPSK	20850	100RB#0	5.16	13	PASS
Band7	20MHz	16QAM	20850	100RB#0	5.88	13	PASS
Band7	20MHz	QPSK	21100	1RB#0	4.07	13	PASS
Band7	20MHz	16QAM	21100	1RB#0	5.22	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	5.33	13	PASS
Band7	20MHz	16QAM	21100	100RB#0	6.11	13	PASS
Band7	15MHz	QPSK	21375	75RB#0	5.51	13	PASS
Band7	15MHz	16QAM	21375	75RB#0	6.08	13	PASS
Band7	20MHz	QPSK	21350	1RB#0	4.36	13	PASS
Band7	20MHz	16QAM	21350	1RB#0	5.02	13	PASS
Band7	20MHz	QPSK	21350	100RB#0	5.13	13	PASS
Band7	20MHz	16QAM	21350	100RB#0	5.91	13	PASS





Test Graphs









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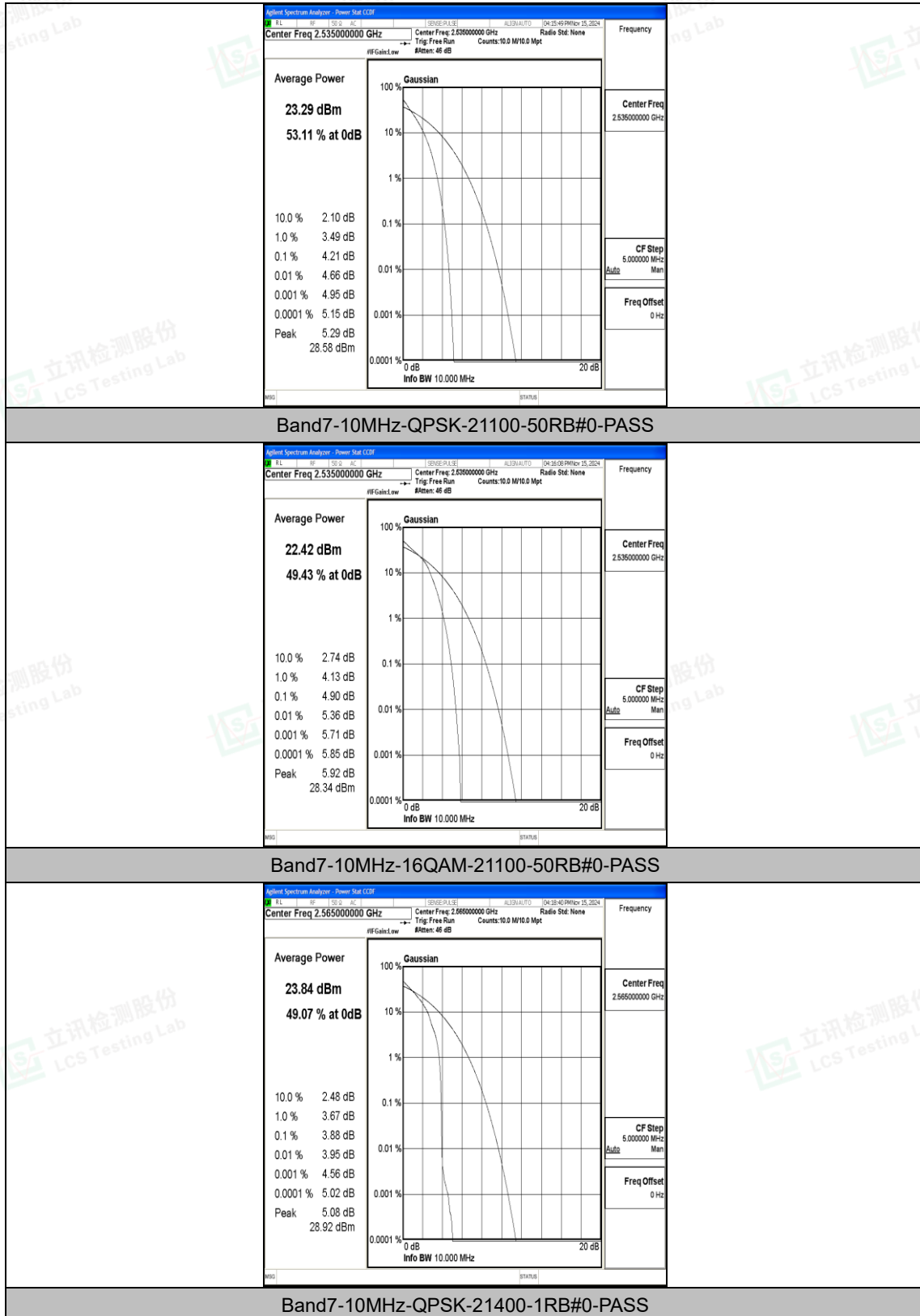
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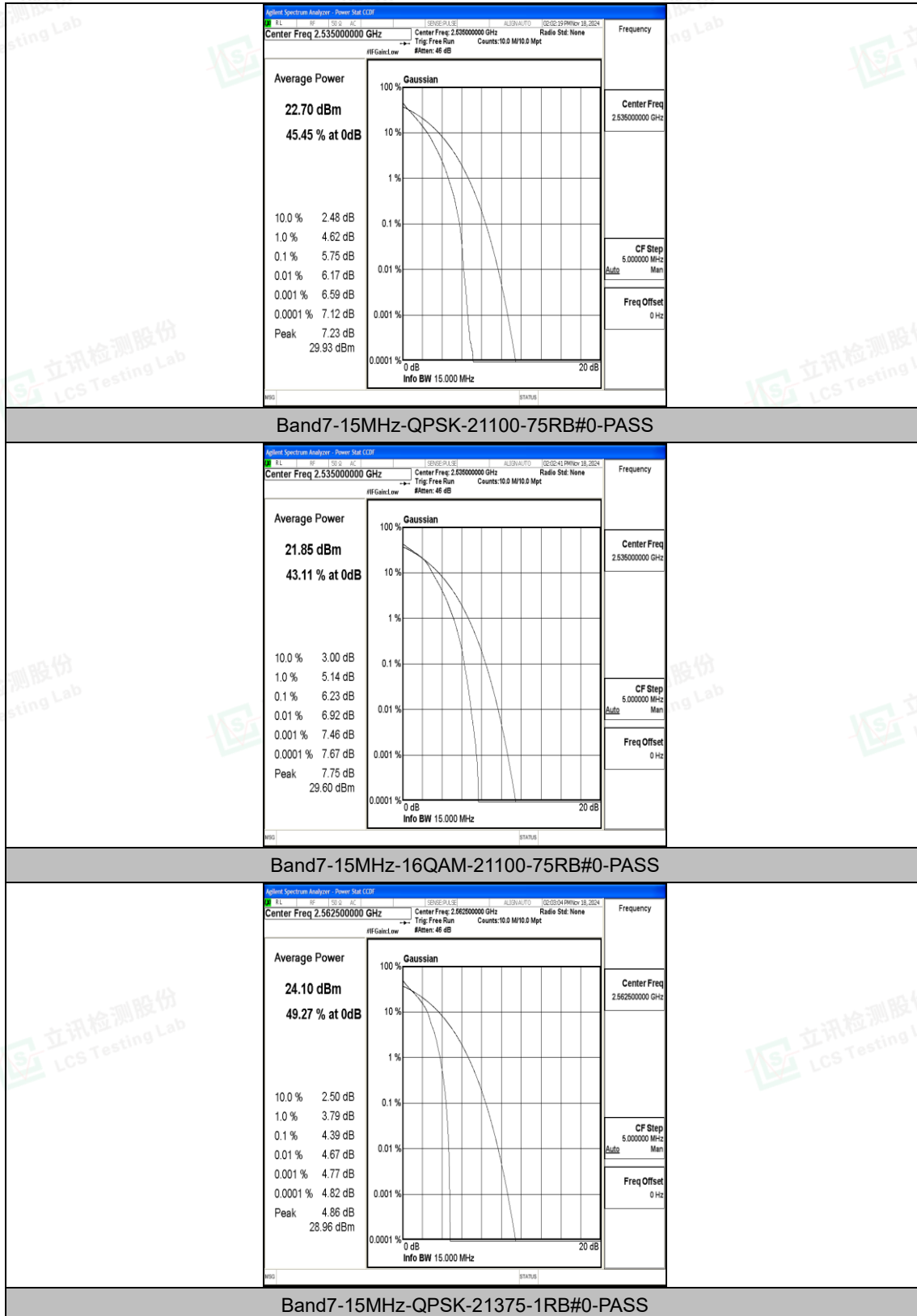


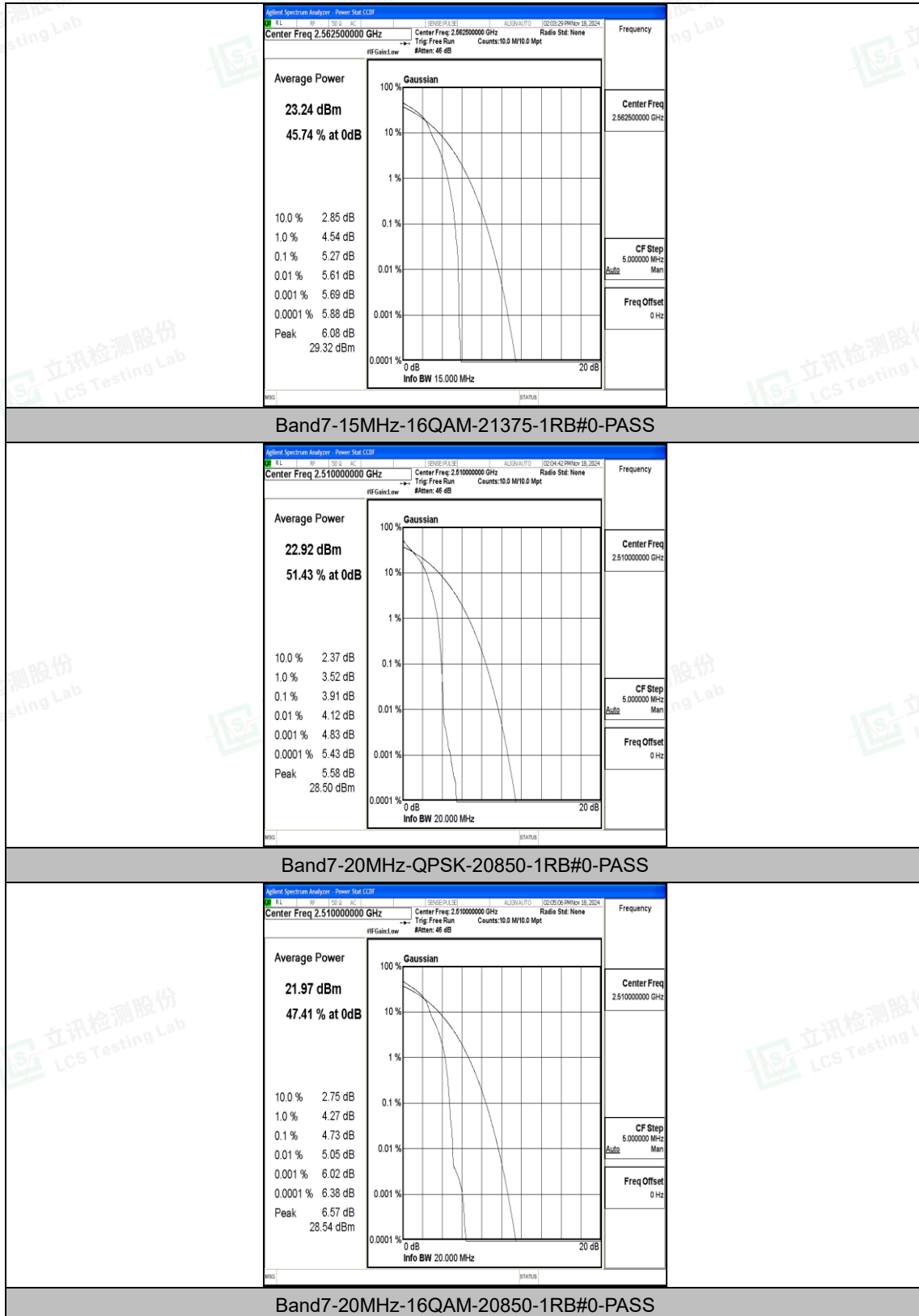
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E.3 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	4.5092	4.987	PASS
Band7	5MHz	16QAM	20775	25RB#0	4.5177	4.987	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.5259	5.250	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.5416	5.557	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.5118	4.986	PASS
Band7	5MHz	16QAM	21425	25RB#0	4.5201	4.954	PASS
Band7	10MHz	QPSK	20800	50RB#0	9.0186	9.992	PASS
Band7	10MHz	16QAM	20800	50RB#0	9.0221	9.933	PASS
Band7	10MHz	QPSK	21100	50RB#0	9.0250	11.53	PASS
Band7	10MHz	16QAM	21100	50RB#0	9.0450	10.75	PASS
Band7	10MHz	QPSK	21400	50RB#0	8.9710	9.845	PASS
Band7	10MHz	16QAM	21400	50RB#0	8.9841	9.963	PASS
Band7	15MHz	QPSK	20825	75RB#0	13.497	15.04	PASS
Band7	15MHz	16QAM	20825	75RB#0	13.506	14.89	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.512	17.26	PASS
Band7	15MHz	16QAM	21100	75RB#0	13.543	15.12	PASS
Band7	15MHz	QPSK	21375	75RB#0	13.496	15.04	PASS
Band7	15MHz	16QAM	21375	75RB#0	13.495	14.85	PASS
Band7	20MHz	QPSK	20850	100RB#0	18.054	19.74	PASS
Band7	20MHz	16QAM	20850	100RB#0	18.048	19.70	PASS
Band7	20MHz	QPSK	21100	100RB#0	18.025	22.32	PASS
Band7	20MHz	16QAM	21100	100RB#0	18.086	20.80	PASS
Band7	20MHz	QPSK	21350	100RB#0	18.031	19.72	PASS
Band7	20MHz	16QAM	21350	100RB#0	18.015	19.77	PASS



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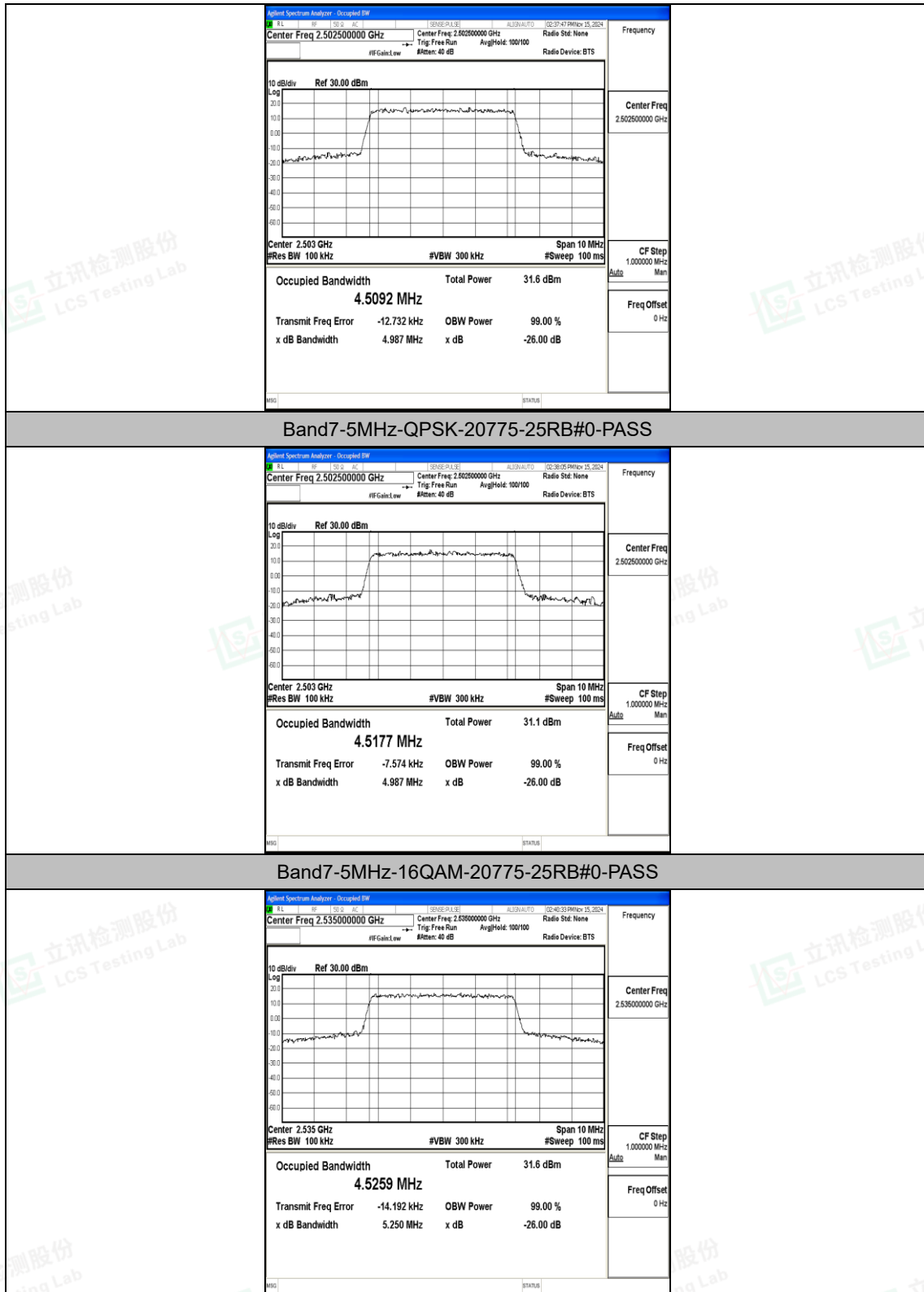
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Test Graphs



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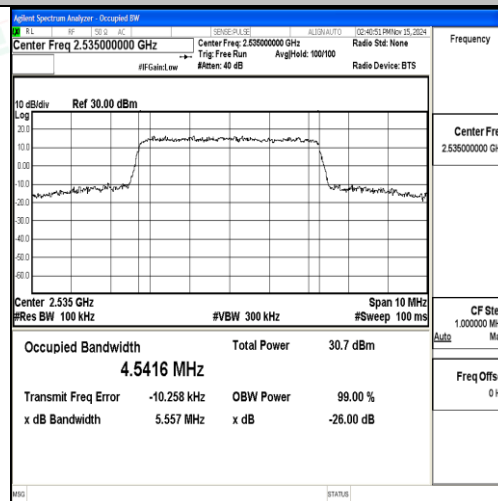
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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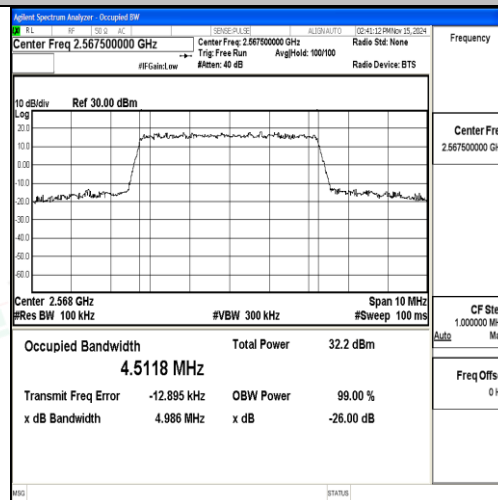
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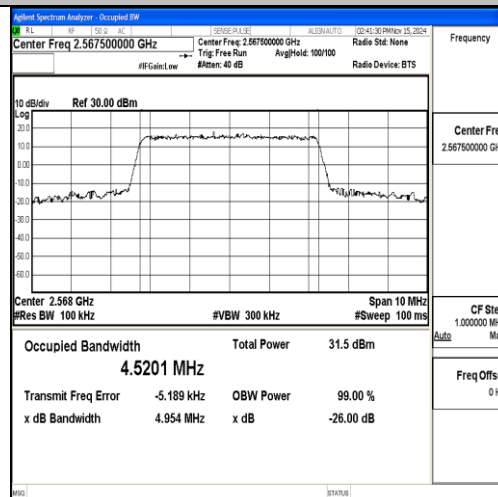
Band7-5MHz-QPSK-21100-25RB#0-PASS



Band7-5MHz-16QAM-21100-25RB#0-PASS



Band7-5MHz-QPSK-21425-25RB#0-PASS



Band7-5MHz-16QAM-21425-25RB#0-PASS



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