



Appendix I: Test Data for E-UTRA Band 7

Product Name: VIU-Desktop

Test Model: VIU-818-NG

Environmental Conditions

Temperature:	24.2°C
Relative Humidity:	53.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Paddi Chen
Supervised by:	Nick Peng



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I.1 Conducted Output Power Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	21.66	PASS
Band7	5MHz	16QAM	20775	1RB#0	21.54	PASS
Band7	5MHz	QPSK	20775	1RB#12	21.49	PASS
Band7	5MHz	16QAM	20775	1RB#12	21.46	PASS
Band7	5MHz	QPSK	20775	1RB#24	21.44	PASS
Band7	5MHz	16QAM	20775	1RB#24	21.43	PASS
Band7	5MHz	QPSK	20775	12RB#0	21.41	PASS
Band7	5MHz	16QAM	20775	12RB#0	21.40	PASS
Band7	5MHz	QPSK	20775	12RB#6	21.39	PASS
Band7	5MHz	16QAM	20775	12RB#6	21.39	PASS
Band7	5MHz	QPSK	20775	12RB#13	21.38	PASS
Band7	5MHz	16QAM	20775	12RB#13	21.37	PASS
Band7	5MHz	QPSK	20775	25RB#0	21.36	PASS
Band7	5MHz	16QAM	20775	25RB#0	21.36	PASS
Band7	5MHz	QPSK	21100	1RB#0	21.83	PASS
Band7	5MHz	16QAM	21100	1RB#0	21.30	PASS
Band7	5MHz	QPSK	21100	1RB#12	21.87	PASS
Band7	5MHz	16QAM	21100	1RB#12	21.26	PASS
Band7	5MHz	QPSK	21100	1RB#24	21.82	PASS
Band7	5MHz	16QAM	21100	1RB#24	21.21	PASS
Band7	5MHz	QPSK	21100	12RB#0	21.08	PASS
Band7	5MHz	16QAM	21100	12RB#0	20.35	PASS
Band7	5MHz	QPSK	21100	12RB#6	20.95	PASS
Band7	5MHz	16QAM	21100	12RB#6	20.35	PASS
Band7	5MHz	QPSK	21100	12RB#13	20.99	PASS
Band7	5MHz	16QAM	21100	12RB#13	20.15	PASS
Band7	5MHz	QPSK	21100	25RB#0	20.96	PASS
Band7	5MHz	16QAM	21100	25RB#0	19.97	PASS
Band7	5MHz	QPSK	21425	1RB#0	21.26	PASS
Band7	5MHz	16QAM	21425	1RB#0	21.14	PASS
Band7	5MHz	QPSK	21425	1RB#12	21.89	PASS
Band7	5MHz	16QAM	21425	1RB#12	21.26	PASS
Band7	5MHz	QPSK	21425	1RB#24	21.61	PASS
Band7	5MHz	16QAM	21425	1RB#24	21.23	PASS
Band7	5MHz	QPSK	21425	12RB#0	21.54	PASS





Band7	5MHz	16QAM	21425	12RB#0	20.82	PASS
Band7	5MHz	QPSK	21425	12RB#6	21.53	PASS
Band7	5MHz	16QAM	21425	12RB#6	20.81	PASS
Band7	5MHz	QPSK	21425	12RB#13	21.65	PASS
Band7	5MHz	16QAM	21425	12RB#13	20.84	PASS
Band7	5MHz	QPSK	21425	25RB#0	21.64	PASS
Band7	5MHz	16QAM	21425	25RB#0	20.86	PASS
Band7	10MHz	QPSK	20800	1RB#0	21.24	PASS
Band7	10MHz	16QAM	20800	1RB#0	21.23	PASS
Band7	10MHz	QPSK	20800	1RB#24	21.08	PASS
Band7	10MHz	16QAM	20800	1RB#24	21.10	PASS
Band7	10MHz	QPSK	20800	1RB#49	21.10	PASS
Band7	10MHz	16QAM	20800	1RB#49	21.13	PASS
Band7	10MHz	QPSK	20800	25RB#0	21.21	PASS
Band7	10MHz	16QAM	20800	25RB#0	21.01	PASS
Band7	10MHz	QPSK	20800	25RB#12	21.22	PASS
Band7	10MHz	16QAM	20800	25RB#12	21.01	PASS
Band7	10MHz	QPSK	20800	25RB#25	21.15	PASS
Band7	10MHz	16QAM	20800	25RB#25	20.95	PASS
Band7	10MHz	QPSK	20800	50RB#0	21.17	PASS
Band7	10MHz	16QAM	20800	50RB#0	21.08	PASS
Band7	10MHz	QPSK	21100	1RB#0	22.48	PASS
Band7	10MHz	16QAM	21100	1RB#0	21.83	PASS
Band7	10MHz	QPSK	21100	1RB#24	22.83	PASS
Band7	10MHz	16QAM	21100	1RB#24	21.90	PASS
Band7	10MHz	QPSK	21100	1RB#49	22.81	PASS
Band7	10MHz	16QAM	21100	1RB#49	21.88	PASS
Band7	10MHz	QPSK	21100	25RB#0	22.05	PASS
Band7	10MHz	16QAM	21100	25RB#0	21.25	PASS
Band7	10MHz	QPSK	21100	25RB#12	21.96	PASS
Band7	10MHz	16QAM	21100	25RB#12	21.26	PASS
Band7	10MHz	QPSK	21100	25RB#25	21.99	PASS
Band7	10MHz	16QAM	21100	25RB#25	21.20	PASS
Band7	10MHz	QPSK	21100	50RB#0	21.99	PASS
Band7	10MHz	16QAM	21100	50RB#0	21.10	PASS
Band7	10MHz	QPSK	21400	1RB#0	20.72	PASS
Band7	10MHz	16QAM	21400	1RB#0	20.72	PASS
Band7	10MHz	QPSK	21400	1RB#24	21.35	PASS
Band7	10MHz	16QAM	21400	1RB#24	21.36	PASS
Band7	10MHz	QPSK	21400	1RB#49	21.92	PASS





Band7	10MHz	16QAM	21400	1RB#49	21.41	PASS
Band7	10MHz	QPSK	21400	25RB#0	21.10	PASS
Band7	10MHz	16QAM	21400	25RB#0	20.78	PASS
Band7	10MHz	QPSK	21400	25RB#12	21.10	PASS
Band7	10MHz	16QAM	21400	25RB#12	20.78	PASS
Band7	10MHz	QPSK	21400	25RB#25	21.70	PASS
Band7	10MHz	16QAM	21400	25RB#25	20.78	PASS
Band7	10MHz	QPSK	21400	50RB#0	21.45	PASS
Band7	10MHz	16QAM	21400	50RB#0	20.76	PASS
Band7	15MHz	QPSK	20825	1RB#0	21.26	PASS
Band7	15MHz	16QAM	20825	1RB#0	21.25	PASS
Band7	15MHz	QPSK	20825	1RB#38	20.95	PASS
Band7	15MHz	16QAM	20825	1RB#38	20.97	PASS
Band7	15MHz	QPSK	20825	1RB#74	21.04	PASS
Band7	15MHz	16QAM	20825	1RB#74	21.08	PASS
Band7	15MHz	QPSK	20825	38RB#0	21.10	PASS
Band7	15MHz	16QAM	20825	38RB#0	21.09	PASS
Band7	15MHz	QPSK	20825	38RB#18	21.09	PASS
Band7	15MHz	16QAM	20825	38RB#18	21.09	PASS
Band7	15MHz	QPSK	20825	38RB#37	21.08	PASS
Band7	15MHz	16QAM	20825	38RB#37	21.08	PASS
Band7	15MHz	QPSK	20825	75RB#0	21.08	PASS
Band7	15MHz	16QAM	20825	75RB#0	20.96	PASS
Band7	15MHz	QPSK	21100	1RB#0	22.39	PASS
Band7	15MHz	16QAM	21100	1RB#0	22.04	PASS
Band7	15MHz	QPSK	21100	1RB#38	22.52	PASS
Band7	15MHz	16QAM	21100	1RB#38	22.08	PASS
Band7	15MHz	QPSK	21100	1RB#74	22.20	PASS
Band7	15MHz	16QAM	21100	1RB#74	22.07	PASS
Band7	15MHz	QPSK	21100	38RB#0	21.95	PASS
Band7	15MHz	16QAM	21100	38RB#0	21.95	PASS
Band7	15MHz	QPSK	21100	38RB#18	21.95	PASS
Band7	15MHz	16QAM	21100	38RB#18	21.95	PASS
Band7	15MHz	QPSK	21100	38RB#37	21.95	PASS
Band7	15MHz	16QAM	21100	38RB#37	21.96	PASS
Band7	15MHz	QPSK	21100	75RB#0	21.96	PASS
Band7	15MHz	16QAM	21100	75RB#0	21.16	PASS
Band7	15MHz	QPSK	21375	1RB#0	20.57	PASS
Band7	15MHz	16QAM	21375	1RB#0	20.36	PASS
Band7	15MHz	QPSK	21375	1RB#38	21.07	PASS





Band7	15MHz	16QAM	21375	1RB#38	20.88	PASS
Band7	15MHz	QPSK	21375	1RB#74	21.61	PASS
Band7	15MHz	16QAM	21375	1RB#74	21.39	PASS
Band7	15MHz	QPSK	21375	38RB#0	21.14	PASS
Band7	15MHz	16QAM	21375	38RB#0	21.13	PASS
Band7	15MHz	QPSK	21375	38RB#18	21.12	PASS
Band7	15MHz	16QAM	21375	38RB#18	21.12	PASS
Band7	15MHz	QPSK	21375	38RB#37	21.12	PASS
Band7	15MHz	16QAM	21375	38RB#37	21.12	PASS
Band7	15MHz	QPSK	21375	75RB#0	21.12	PASS
Band7	15MHz	16QAM	21375	75RB#0	20.85	PASS
Band7	20MHz	QPSK	20850	1RB#0	21.31	PASS
Band7	20MHz	16QAM	20850	1RB#0	21.17	PASS
Band7	20MHz	QPSK	20850	1RB#49	20.95	PASS
Band7	20MHz	16QAM	20850	1RB#49	20.85	PASS
Band7	20MHz	QPSK	20850	1RB#99	22.06	PASS
Band7	20MHz	16QAM	20850	1RB#99	21.52	PASS
Band7	20MHz	QPSK	20850	50RB#0	20.94	PASS
Band7	20MHz	16QAM	20850	50RB#0	20.96	PASS
Band7	20MHz	QPSK	20850	50RB#25	20.94	PASS
Band7	20MHz	16QAM	20850	50RB#25	20.95	PASS
Band7	20MHz	QPSK	20850	50RB#50	21.40	PASS
Band7	20MHz	16QAM	20850	50RB#50	21.04	PASS
Band7	20MHz	QPSK	20850	100RB#0	21.16	PASS
Band7	20MHz	16QAM	20850	100RB#0	21.00	PASS
Band7	20MHz	QPSK	21100	1RB#0	22.38	PASS
Band7	20MHz	16QAM	21100	1RB#0	22.36	PASS
Band7	20MHz	QPSK	21100	1RB#49	22.73	PASS
Band7	20MHz	16QAM	21100	1RB#49	22.45	PASS
Band7	20MHz	QPSK	21100	1RB#99	22.45	PASS
Band7	20MHz	16QAM	21100	1RB#99	22.37	PASS
Band7	20MHz	QPSK	21100	50RB#0	22.05	PASS
Band7	20MHz	16QAM	21100	50RB#0	21.13	PASS
Band7	20MHz	QPSK	21100	50RB#25	21.99	PASS
Band7	20MHz	16QAM	21100	50RB#25	21.14	PASS
Band7	20MHz	QPSK	21100	50RB#50	21.96	PASS
Band7	20MHz	16QAM	21100	50RB#50	21.16	PASS
Band7	20MHz	QPSK	21100	100RB#0	21.88	PASS
Band7	20MHz	16QAM	21100	100RB#0	21.23	PASS
Band7	20MHz	QPSK	21350	1RB#0	20.97	PASS





Band7	20MHz	16QAM	21350	1RB#0	20.84	PASS
Band7	20MHz	QPSK	21350	1RB#49	20.72	PASS
Band7	20MHz	16QAM	21350	1RB#49	20.61	PASS
Band7	20MHz	QPSK	21350	1RB#99	21.97	PASS
Band7	20MHz	16QAM	21350	1RB#99	21.76	PASS
Band7	20MHz	QPSK	21350	50RB#0	20.63	PASS
Band7	20MHz	16QAM	21350	50RB#0	20.70	PASS
Band7	20MHz	QPSK	21350	50RB#25	20.62	PASS
Band7	20MHz	16QAM	21350	50RB#25	20.70	PASS
Band7	20MHz	QPSK	21350	50RB#50	21.40	PASS
Band7	20MHz	16QAM	21350	50RB#50	20.89	PASS
Band7	20MHz	QPSK	21350	100RB#0	21.02	PASS
Band7	20MHz	16QAM	21350	100RB#0	20.74	PASS





I.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	4.55	13	PASS
Band7	5MHz	16QAM	20775	1RB#0	4.65	13	PASS
Band7	5MHz	QPSK	20775	25RB#0	5.11	13	PASS
Band7	5MHz	16QAM	20775	25RB#0	5.48	13	PASS
Band7	5MHz	QPSK	21100	1RB#0	4.40	13	PASS
Band7	5MHz	16QAM	21100	1RB#0	5.11	13	PASS
Band7	5MHz	QPSK	21100	25RB#0	5.19	13	PASS
Band7	5MHz	16QAM	21100	25RB#0	5.87	13	PASS
Band7	5MHz	QPSK	21425	1RB#0	4.53	13	PASS
Band7	5MHz	16QAM	21425	1RB#0	4.65	13	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.93	13	PASS
Band7	5MHz	16QAM	21425	25RB#0	5.52	13	PASS
Band7	10MHz	QPSK	20800	1RB#0	4.41	13	PASS
Band7	10MHz	16QAM	20800	1RB#0	4.68	13	PASS
Band7	10MHz	QPSK	20800	50RB#0	5.12	13	PASS
Band7	10MHz	16QAM	20800	50RB#0	5.58	13	PASS
Band7	10MHz	QPSK	21100	1RB#0	4.25	13	PASS
Band7	10MHz	16QAM	21100	1RB#0	4.80	13	PASS
Band7	10MHz	QPSK	21100	50RB#0	5.18	13	PASS
Band7	10MHz	16QAM	21100	50RB#0	5.92	13	PASS
Band7	10MHz	QPSK	21400	1RB#0	4.58	13	PASS
Band7	10MHz	16QAM	21400	1RB#0	4.88	13	PASS
Band7	10MHz	QPSK	21400	50RB#0	4.99	13	PASS
Band7	10MHz	16QAM	21400	50RB#0	5.56	13	PASS
Band7	15MHz	QPSK	20825	1RB#0	4.39	13	PASS
Band7	15MHz	16QAM	20825	1RB#0	4.65	13	PASS
Band7	15MHz	QPSK	20825	75RB#0	5.39	13	PASS
Band7	15MHz	16QAM	20825	75RB#0	5.67	13	PASS
Band7	15MHz	QPSK	21100	1RB#0	4.20	13	PASS
Band7	15MHz	16QAM	21100	1RB#0	4.74	13	PASS
Band7	15MHz	QPSK	21100	75RB#0	5.40	13	PASS
Band7	15MHz	16QAM	21100	75RB#0	5.97	13	PASS
Band7	15MHz	QPSK	21375	1RB#0	4.64	13	PASS
Band7	15MHz	16QAM	21375	1RB#0	4.95	13	PASS
Band7	15MHz	QPSK	21375	75RB#0	5.32	13	PASS



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Band7	15MHz	16QAM	21375	75RB#0	5.65	13	PASS
Band7	20MHz	QPSK	20850	1RB#0	4.32	13	PASS
Band7	20MHz	16QAM	20850	1RB#0	4.49	13	PASS
Band7	20MHz	QPSK	20850	100RB#0	5.11	13	PASS
Band7	20MHz	16QAM	20850	100RB#0	5.65	13	PASS
Band7	20MHz	QPSK	21100	1RB#0	4.13	13	PASS
Band7	20MHz	16QAM	21100	1RB#0	4.99	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	5.11	13	PASS
Band7	20MHz	16QAM	21100	100RB#0	5.90	13	PASS
Band7	20MHz	QPSK	21350	1RB#0	4.51	13	PASS
Band7	20MHz	16QAM	21350	1RB#0	4.71	13	PASS
Band7	20MHz	QPSK	21350	100RB#0	5.12	13	PASS
Band7	20MHz	16QAM	21350	100RB#0	5.62	13	PASS



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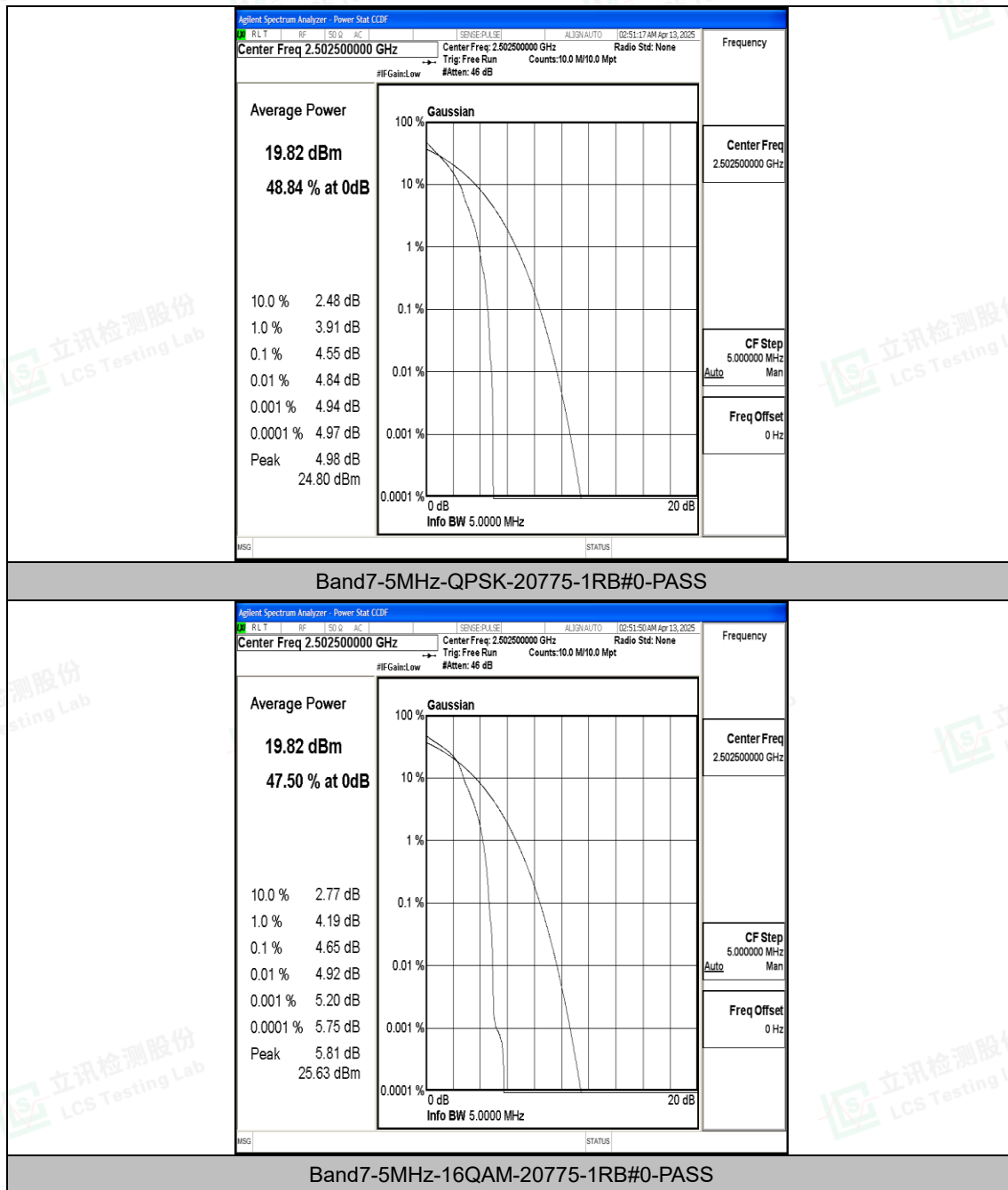
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Test Graphs

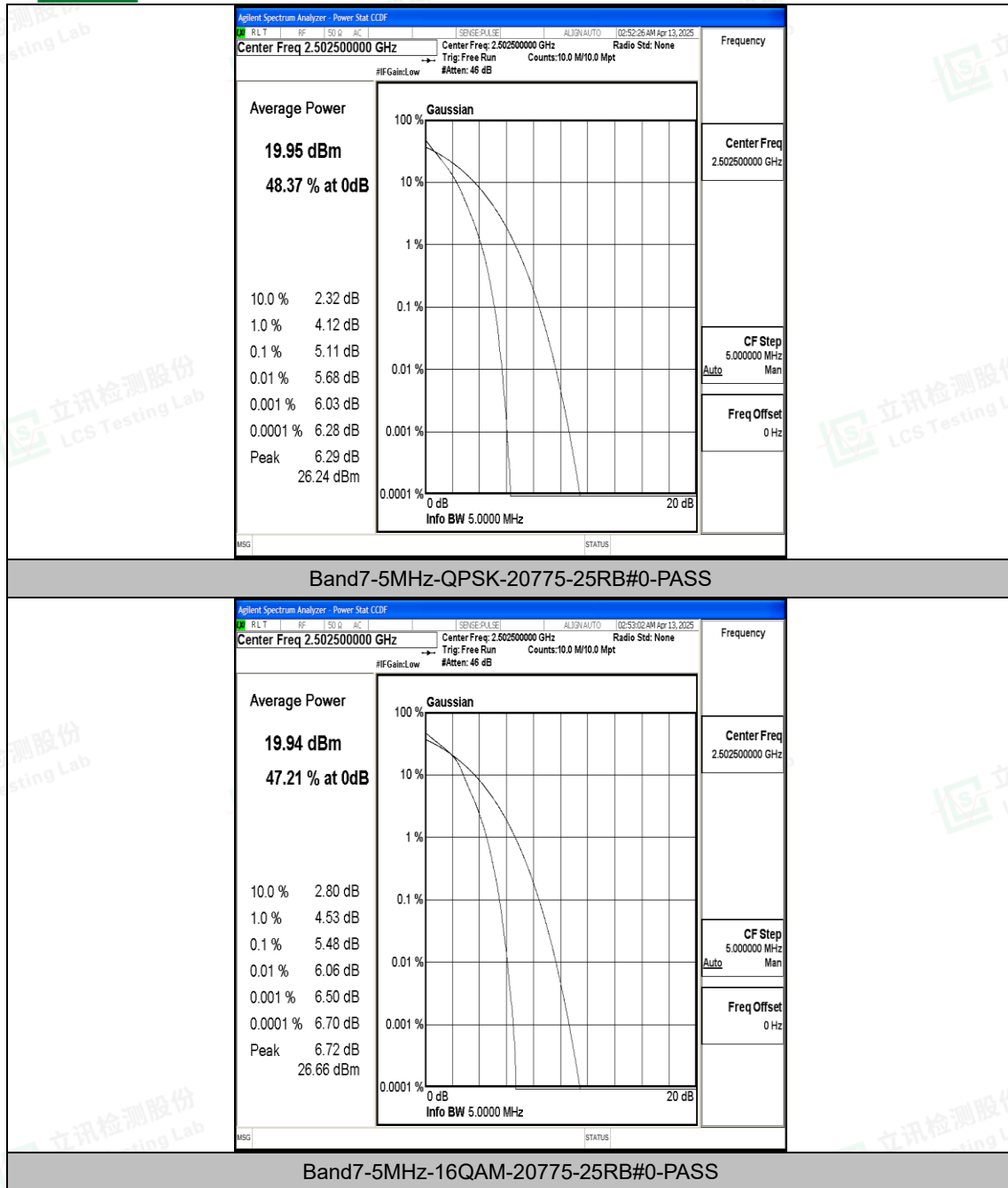


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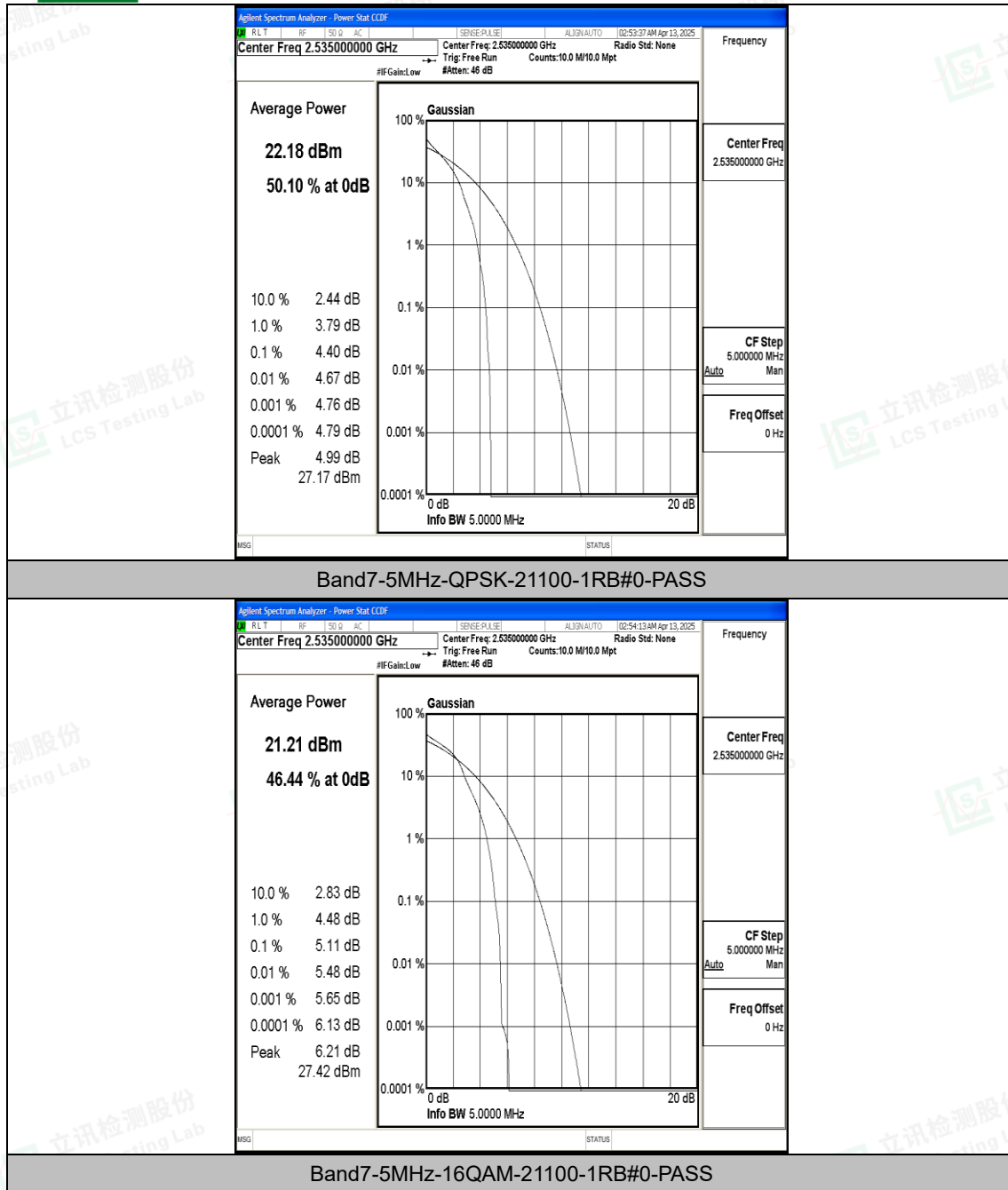


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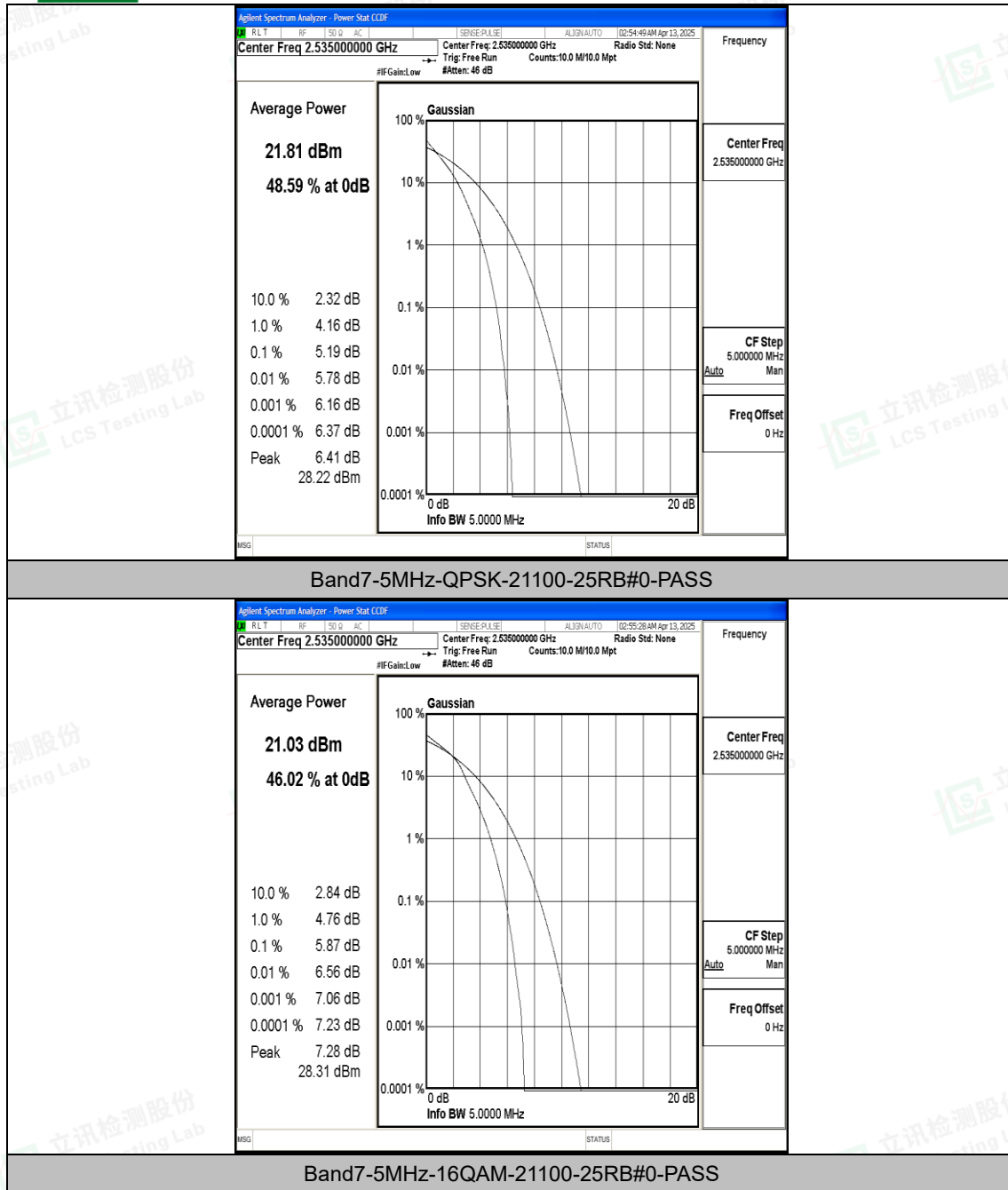


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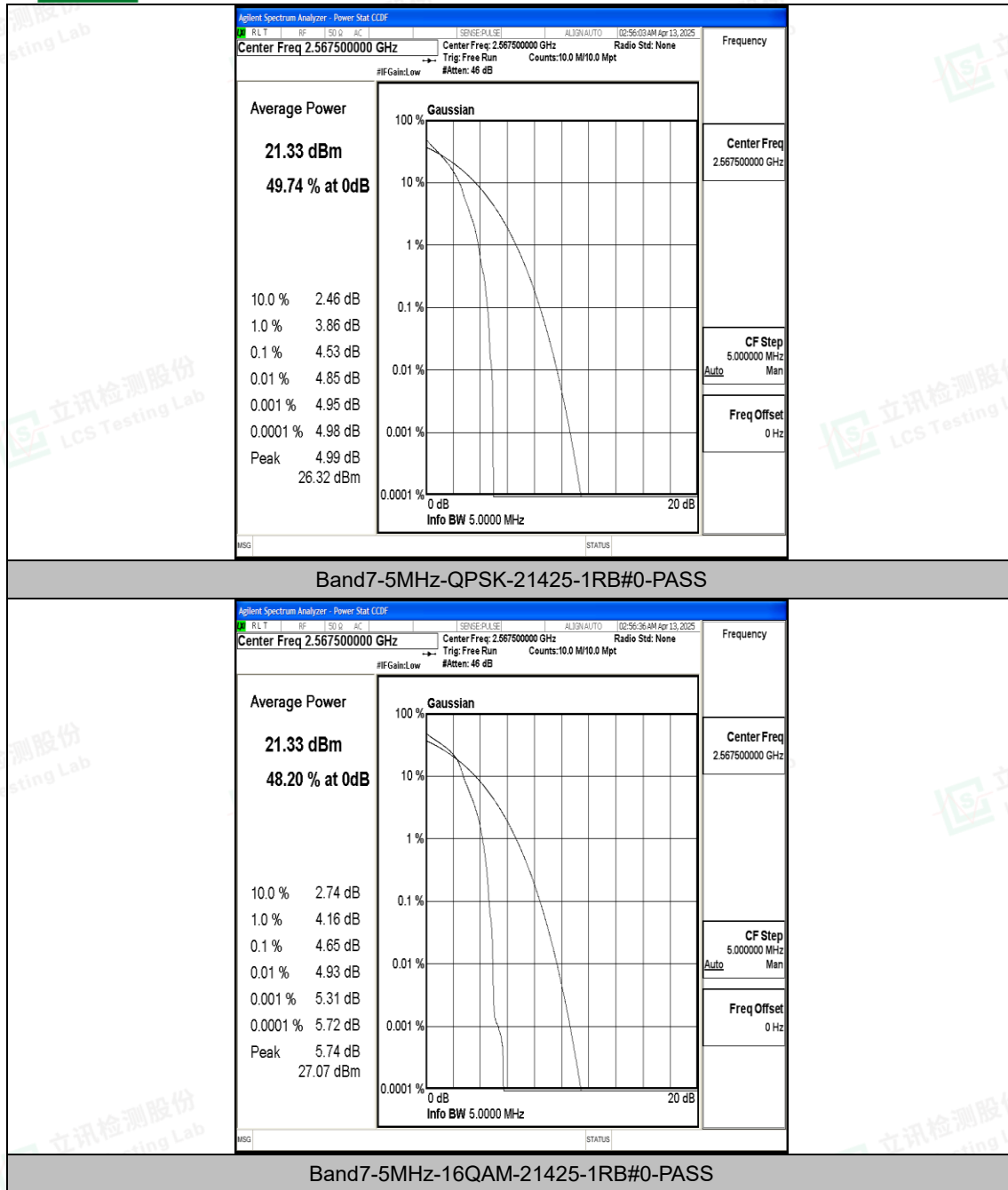


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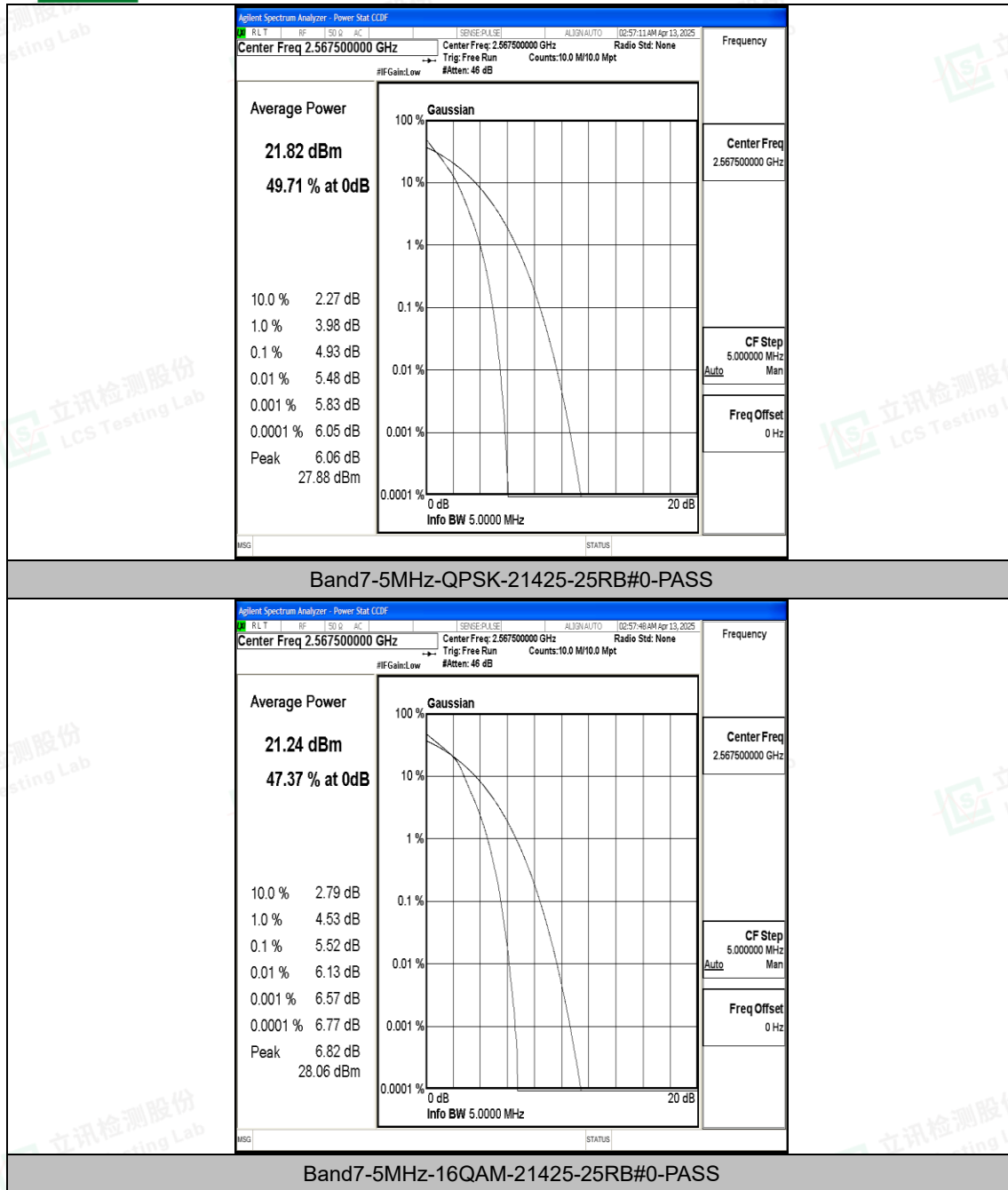


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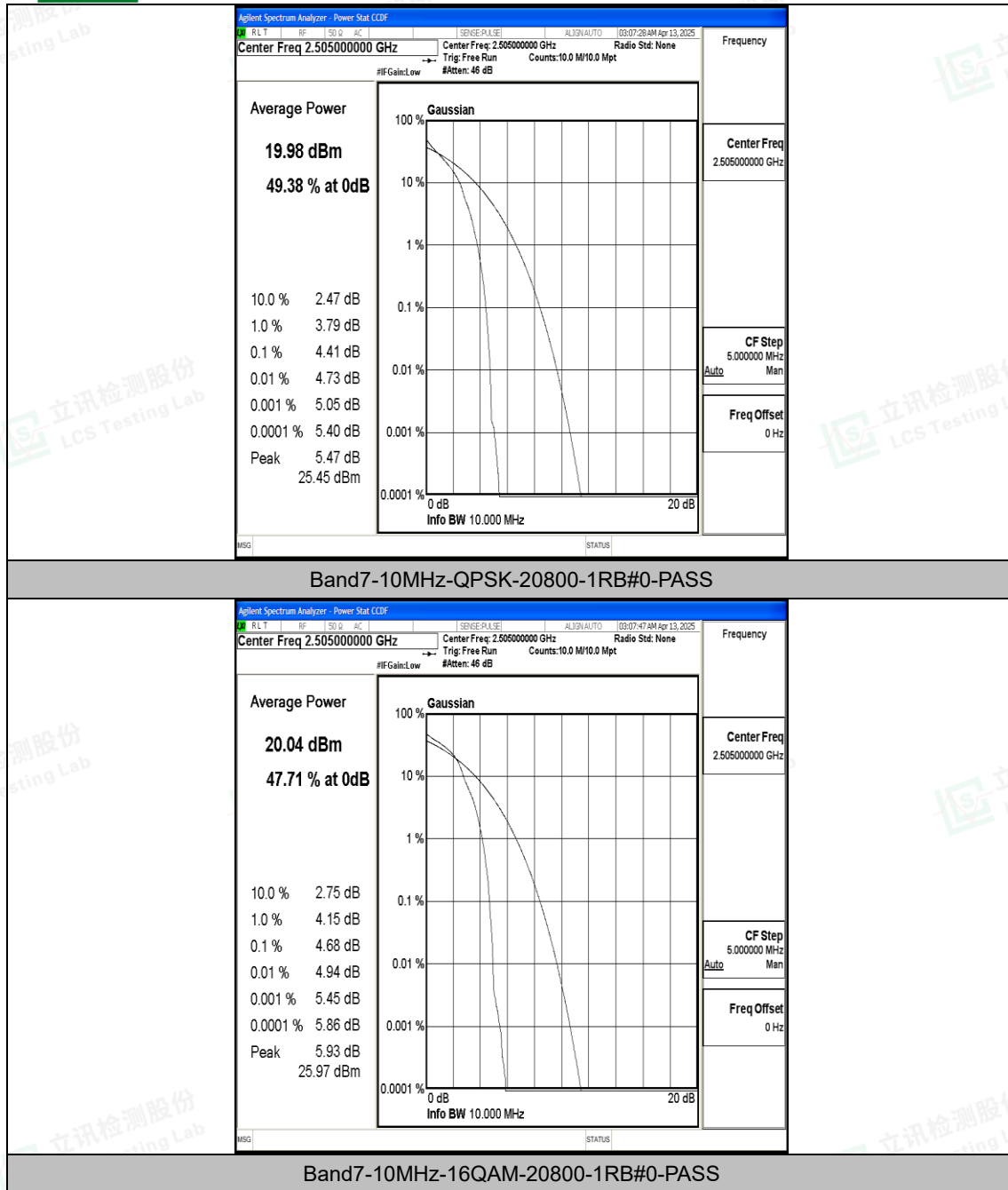


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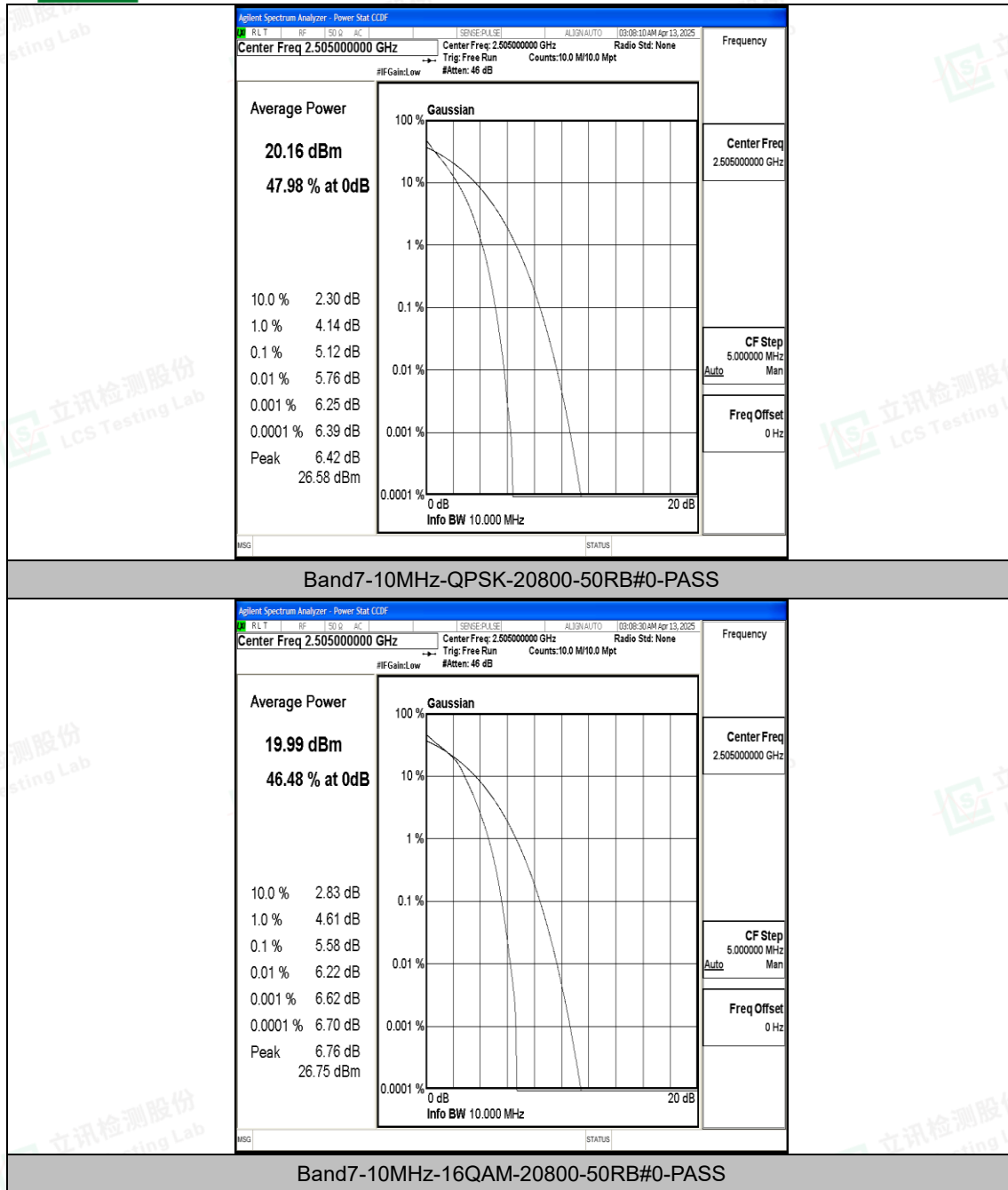


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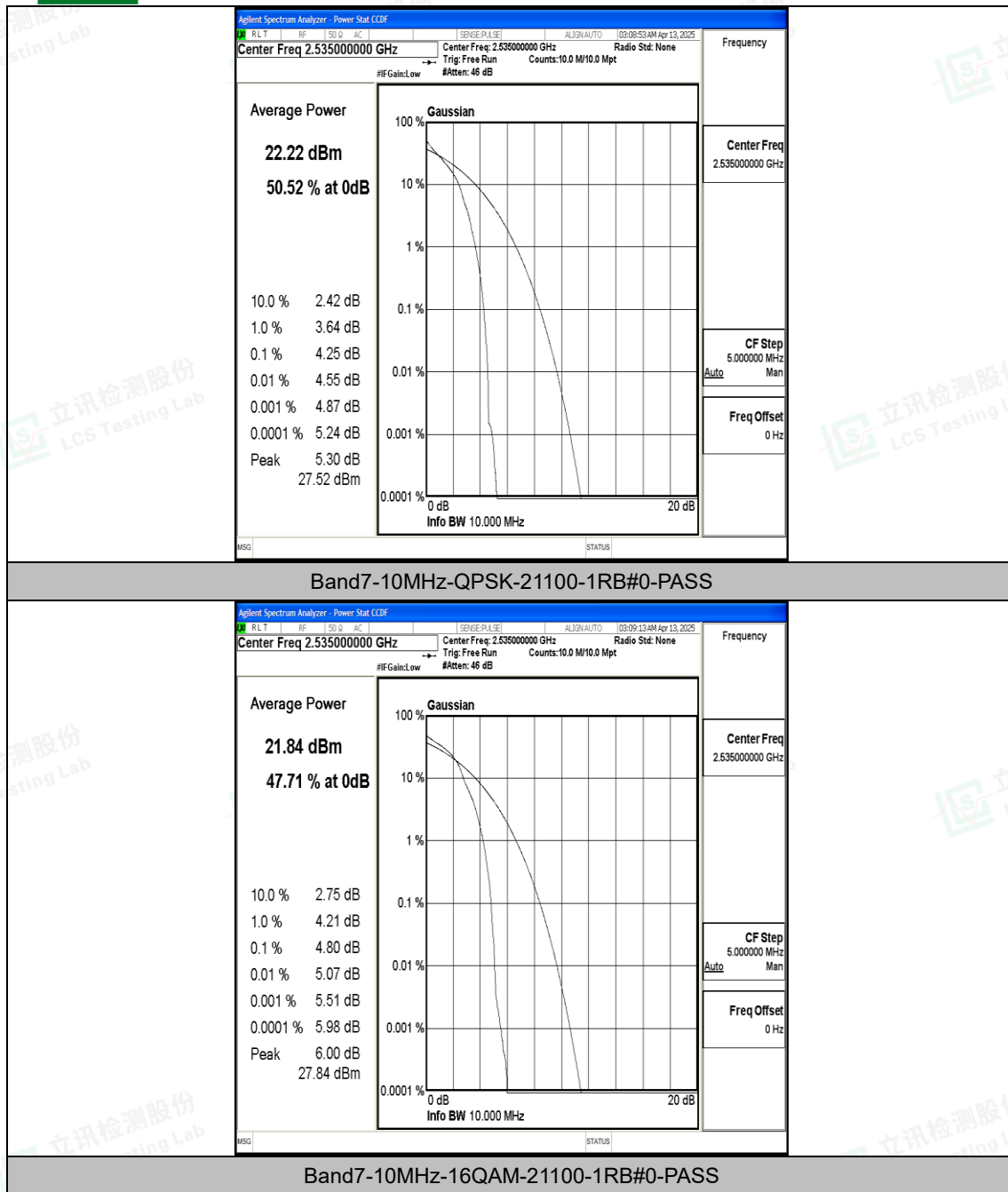


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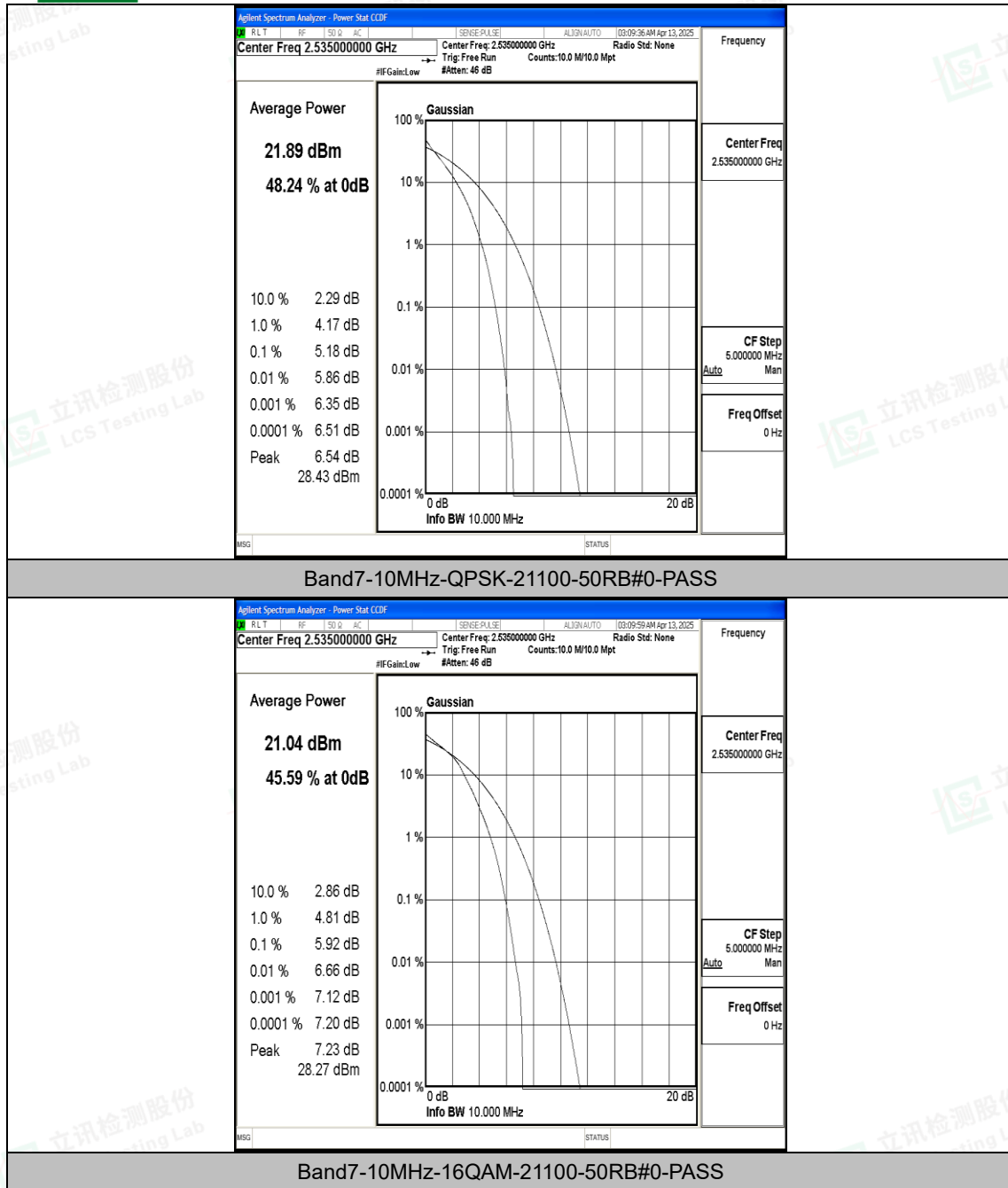


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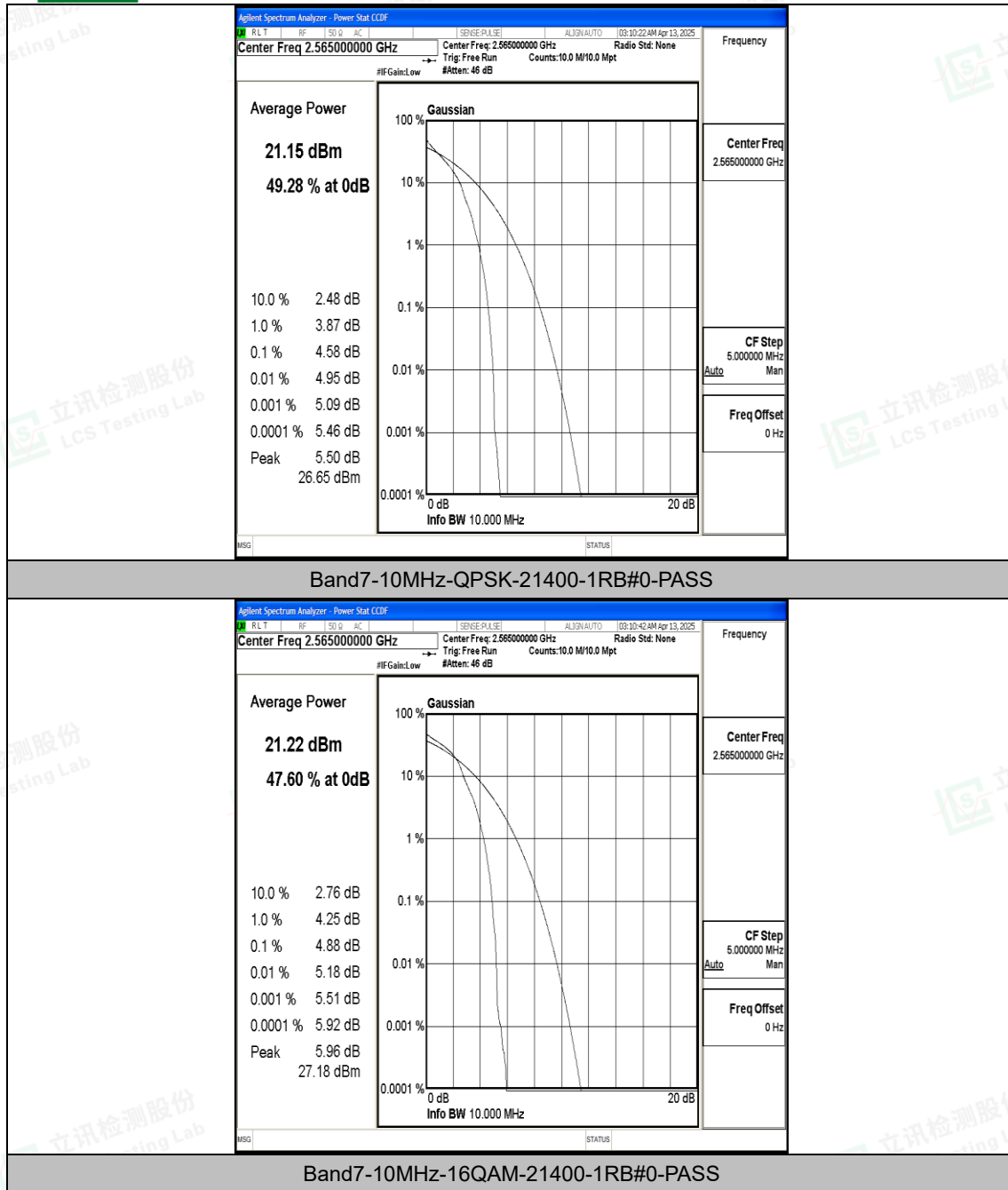


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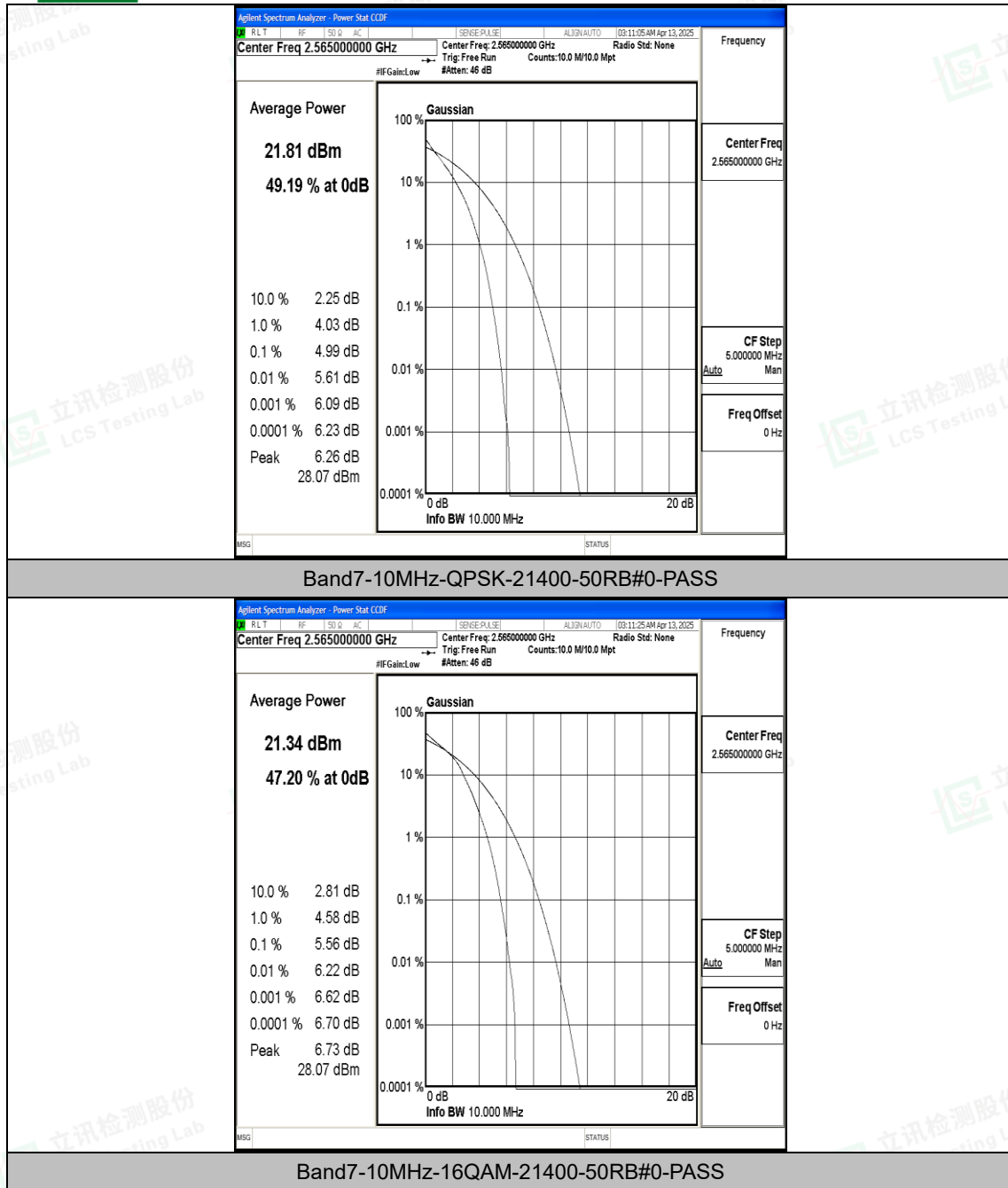


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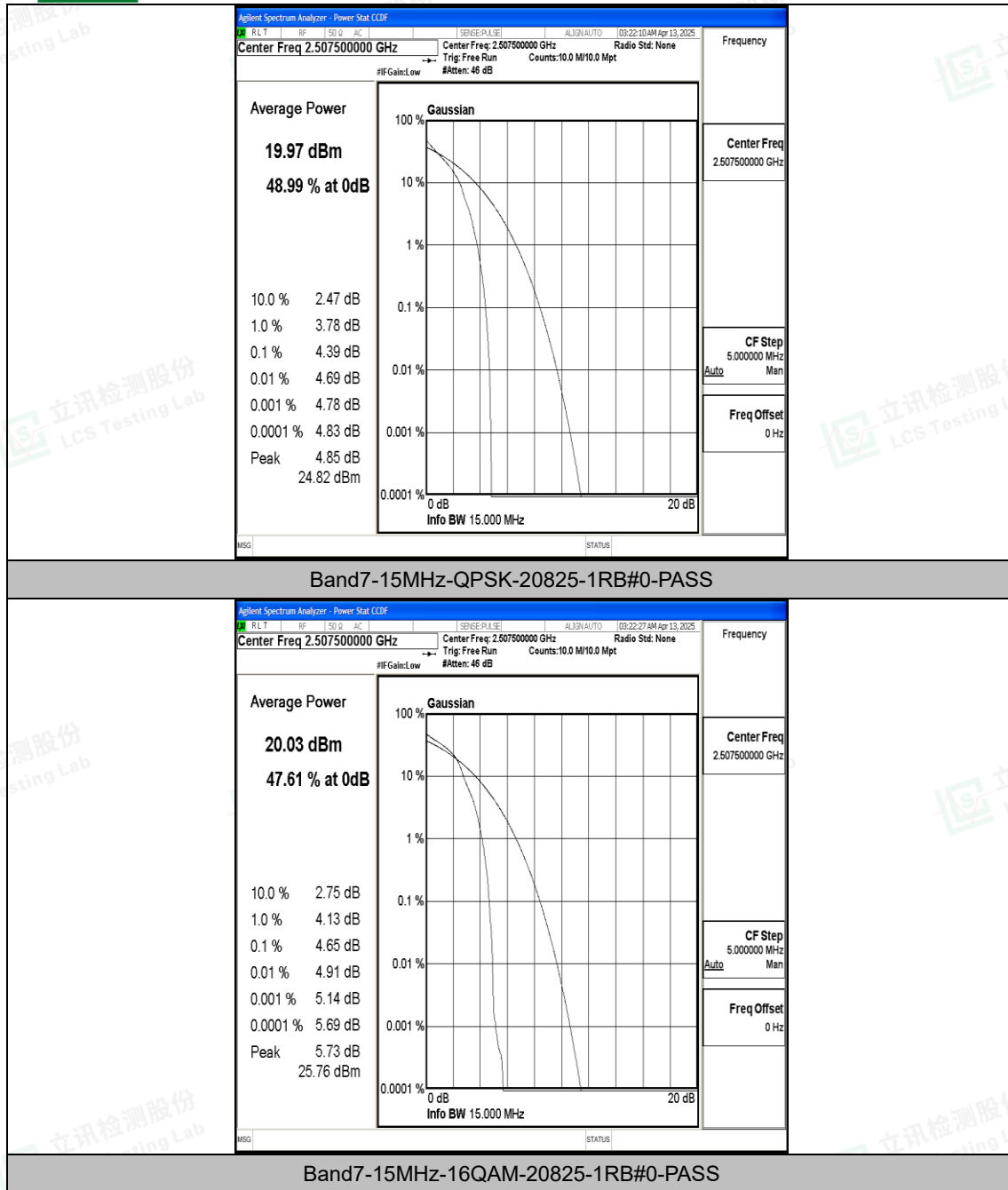


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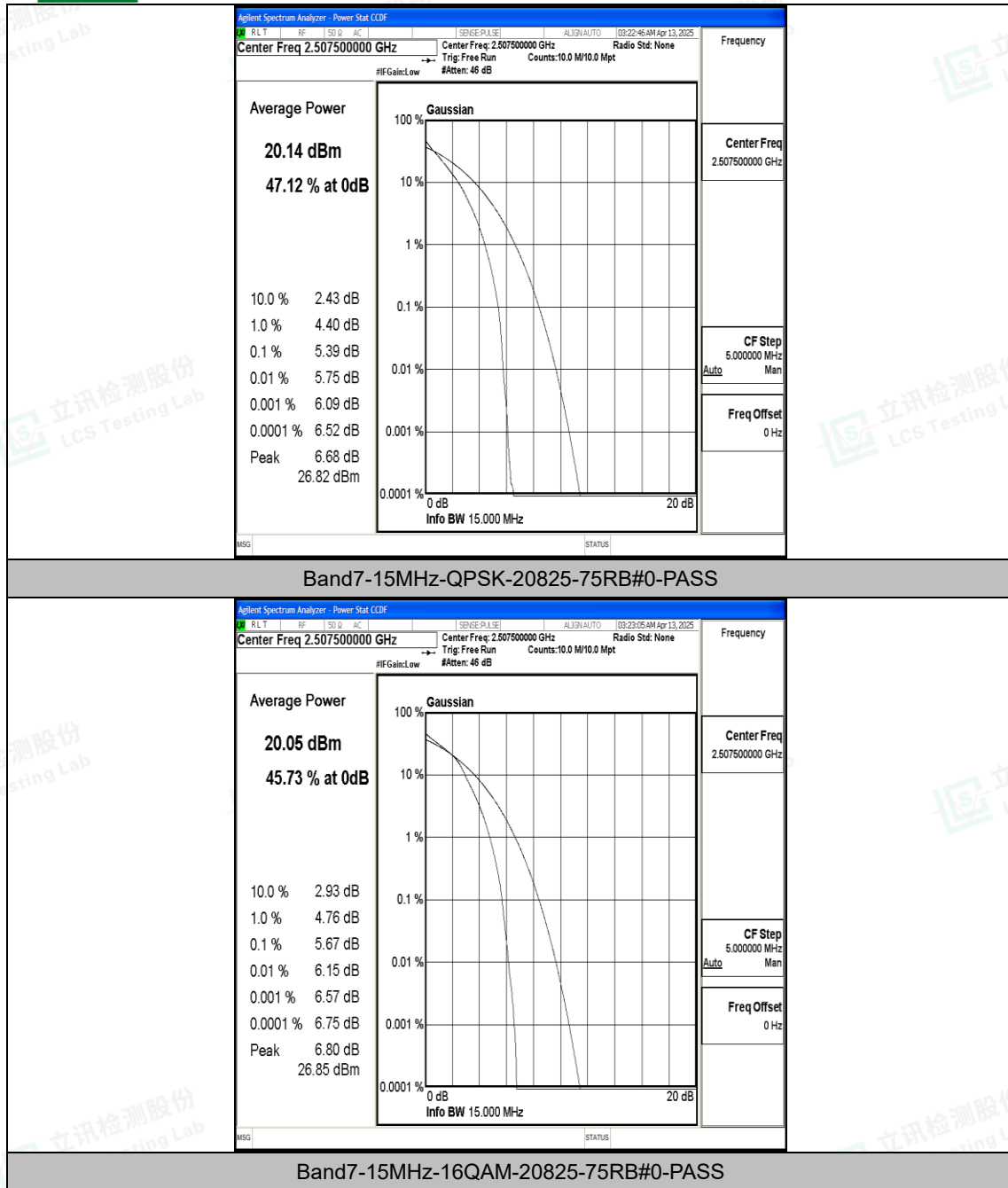


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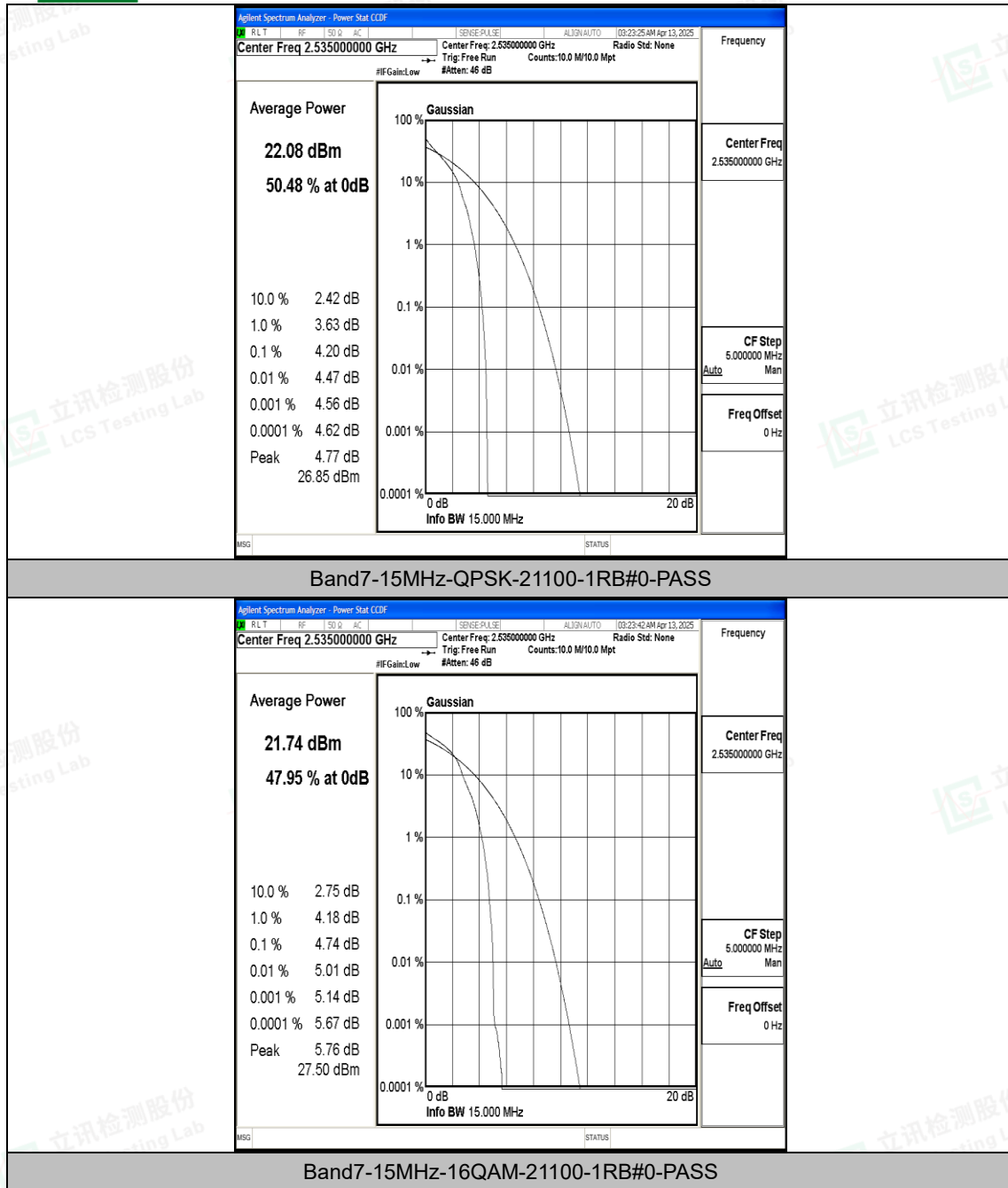


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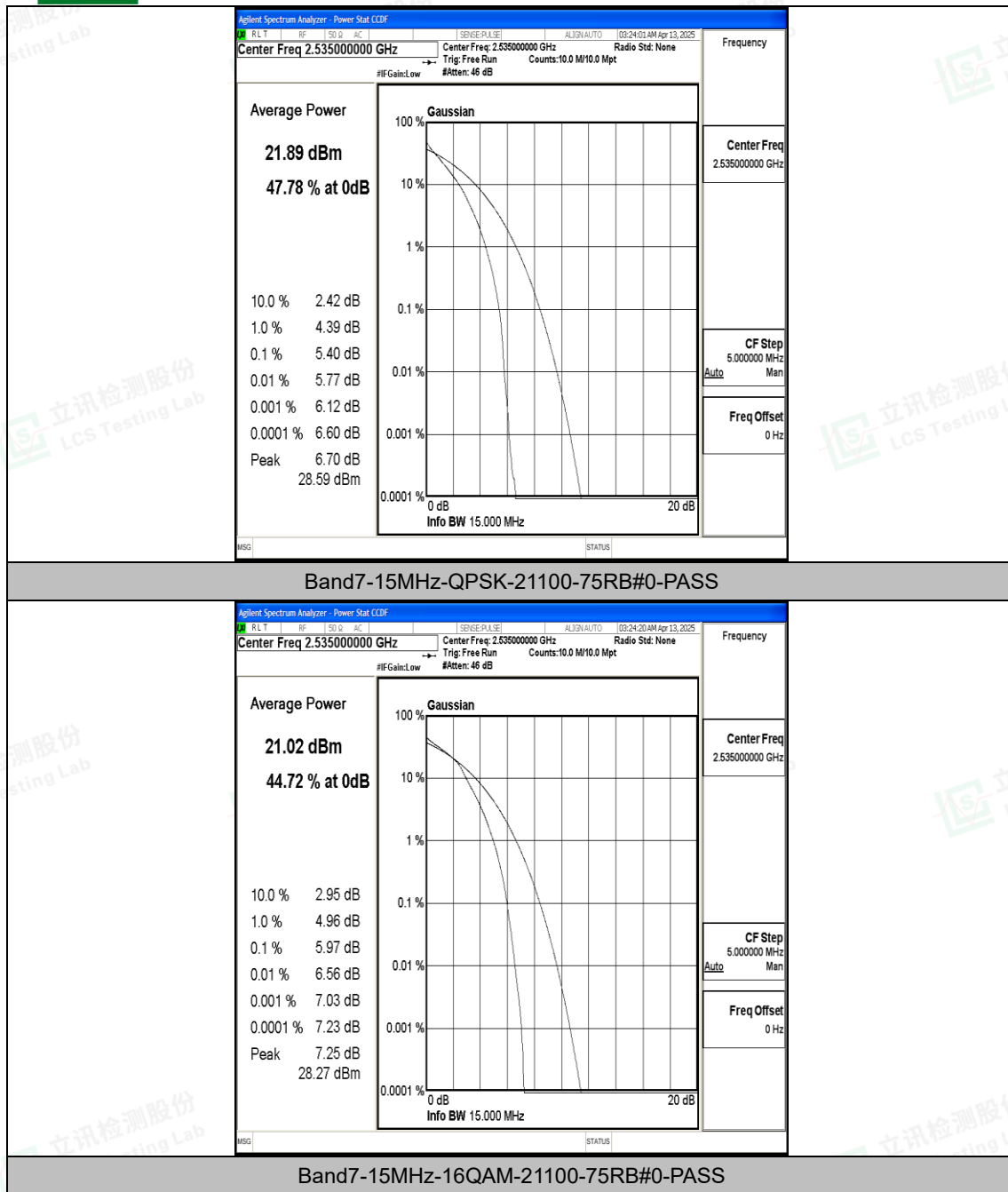


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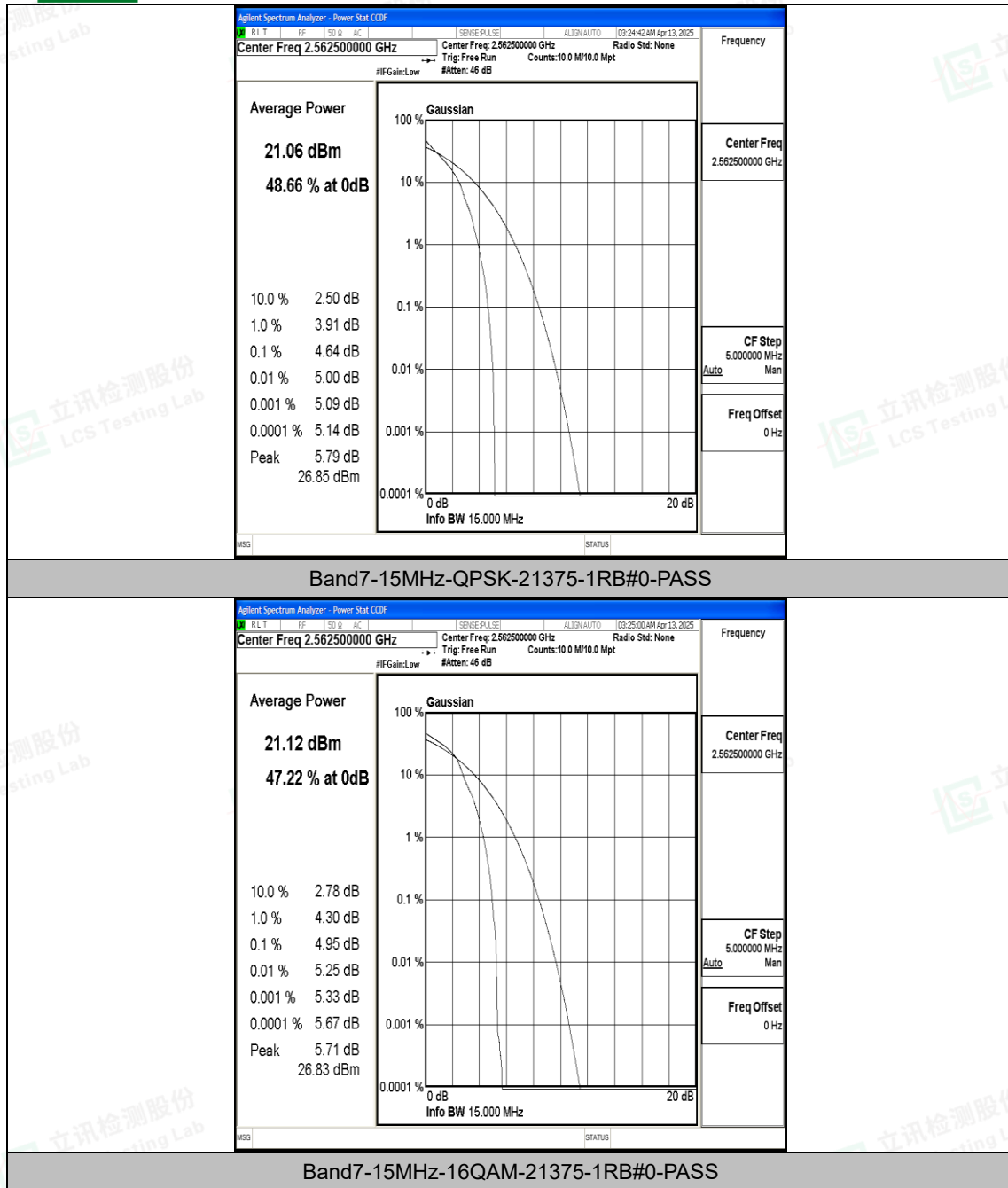


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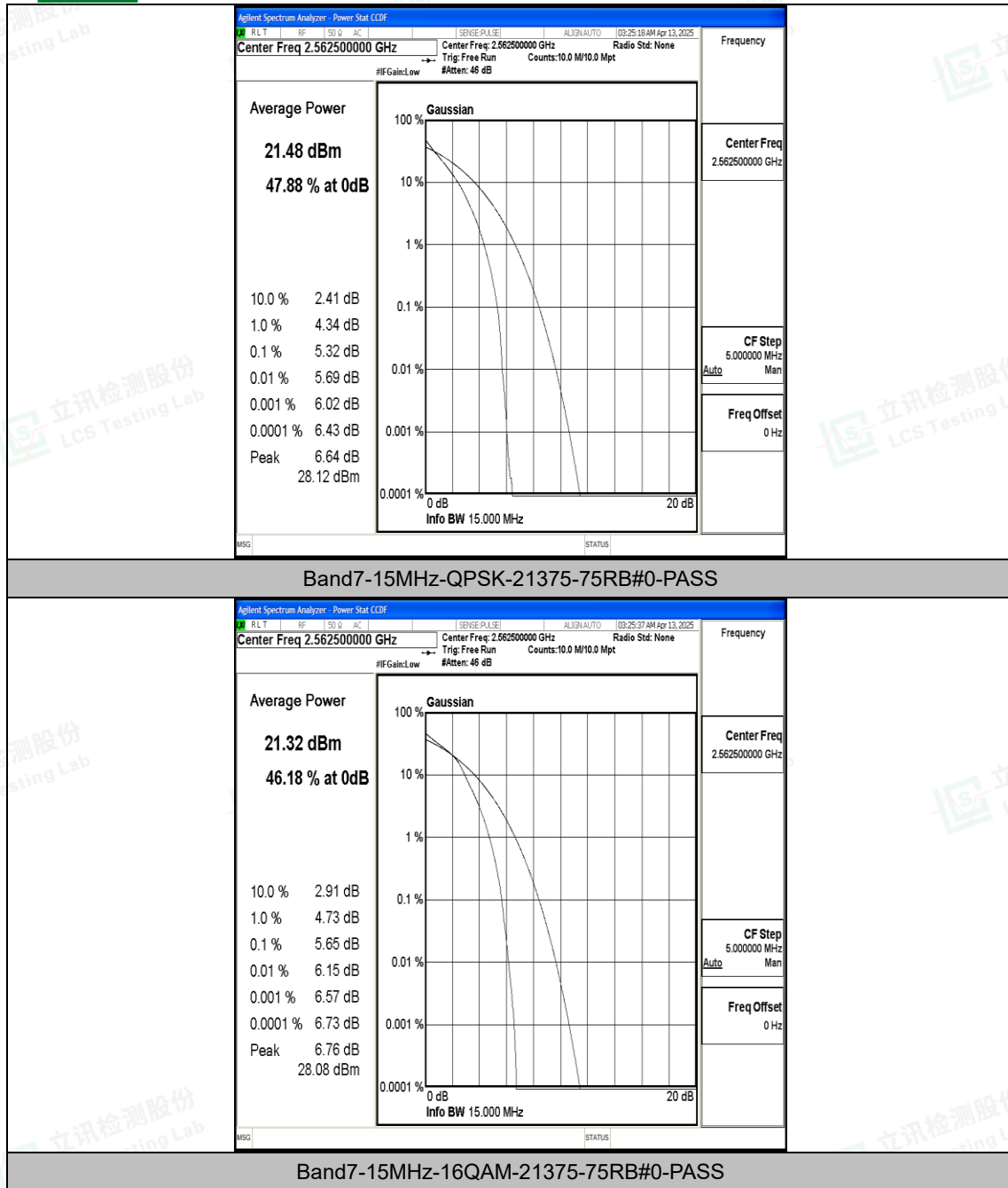


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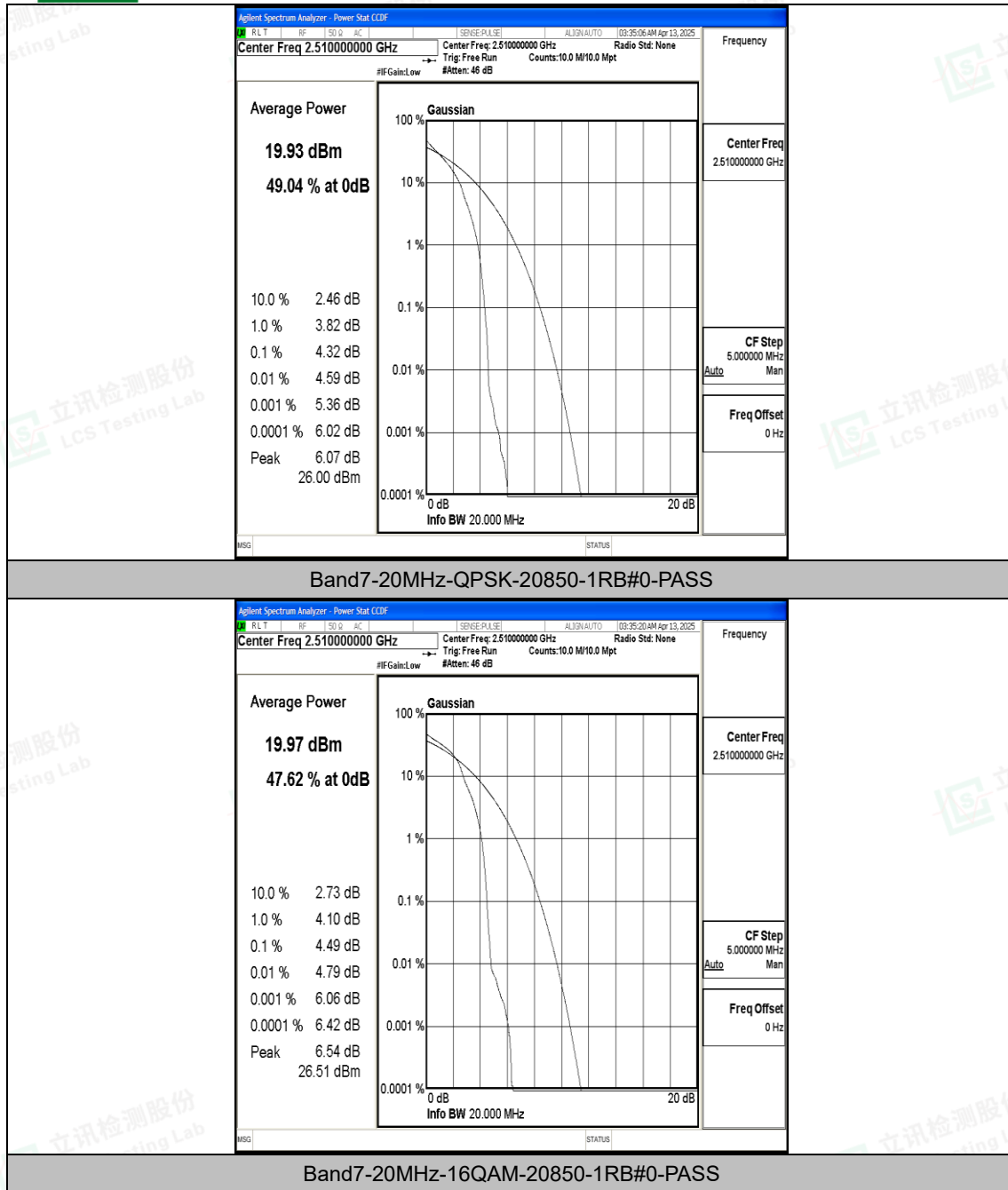


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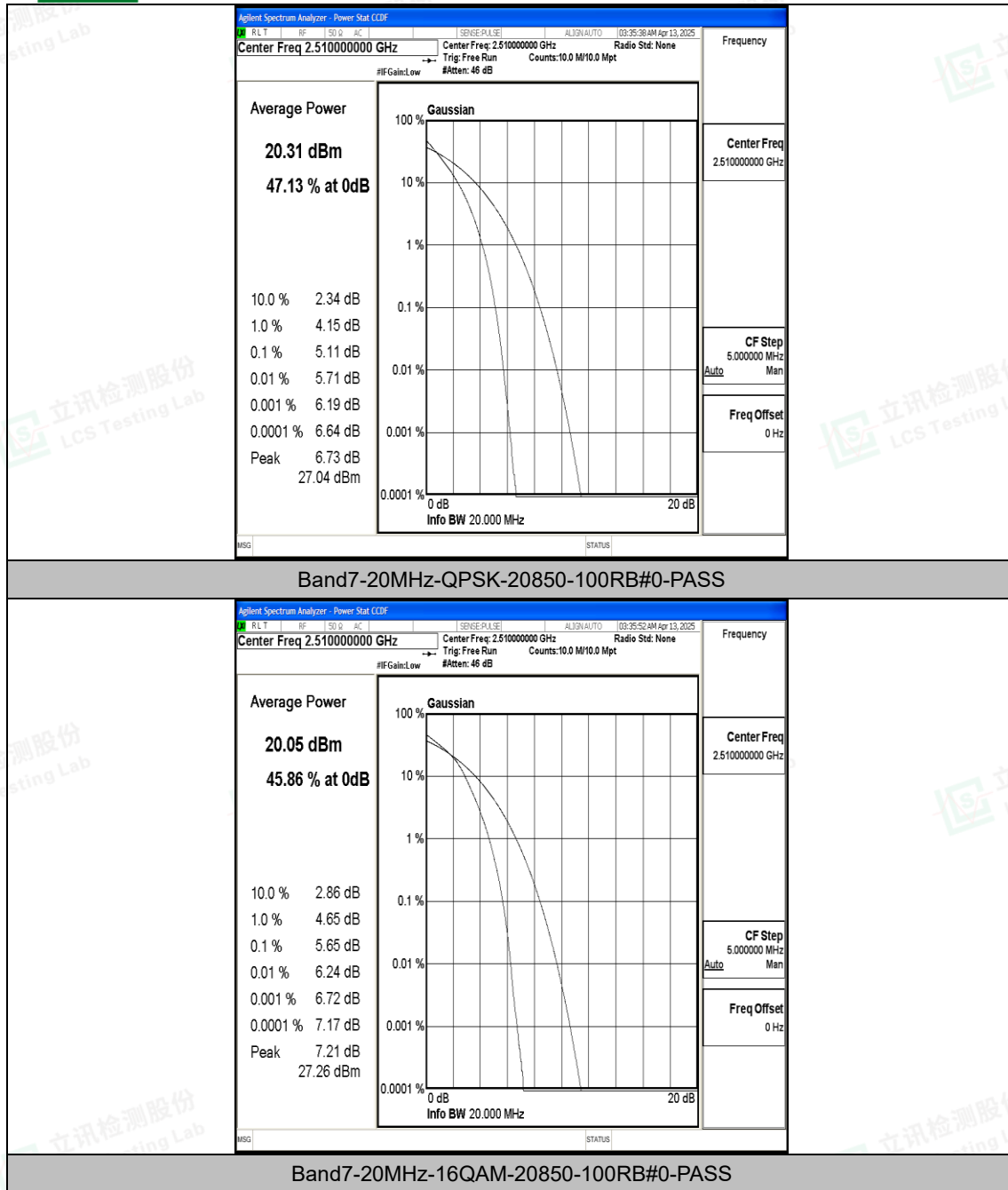


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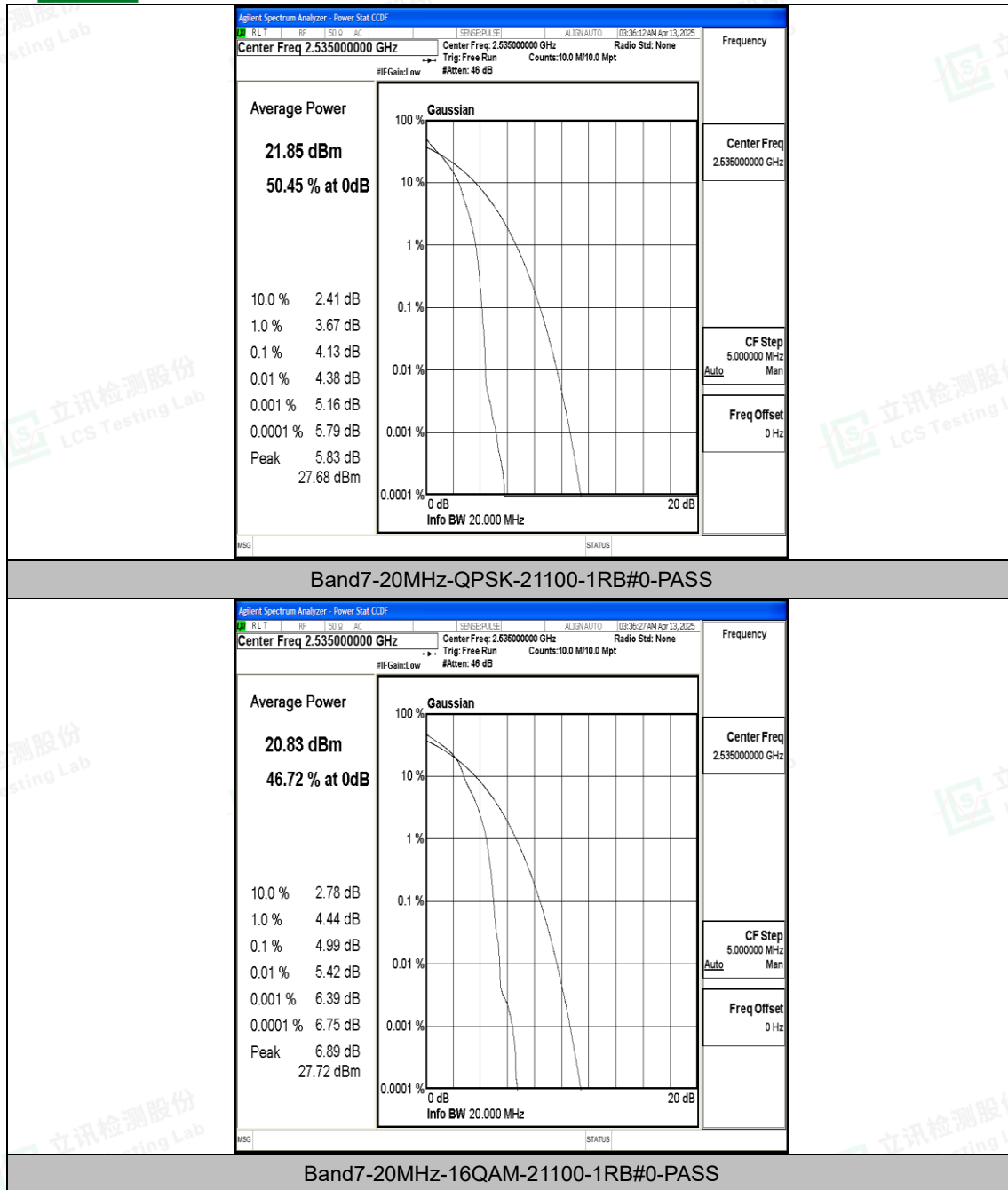


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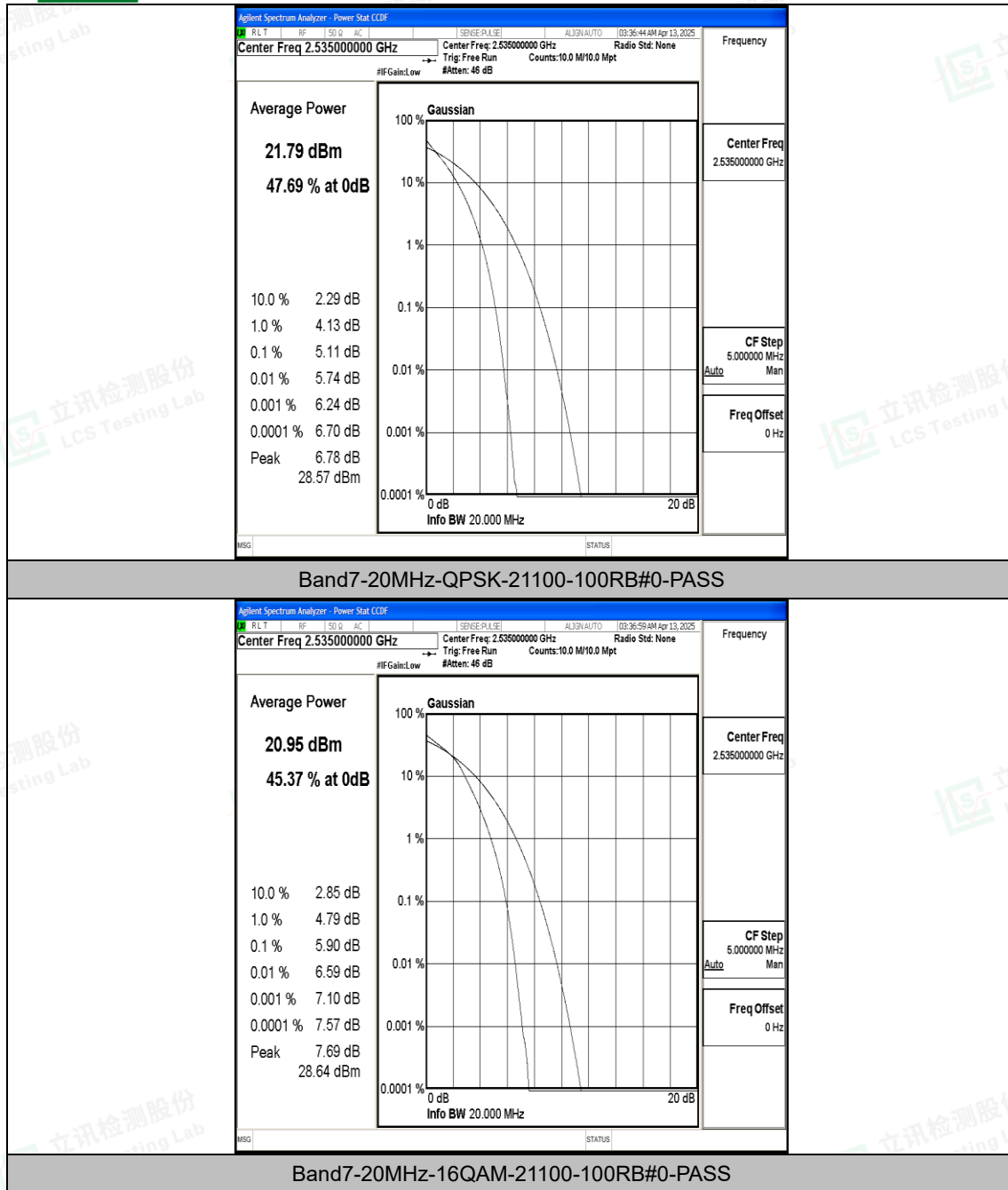


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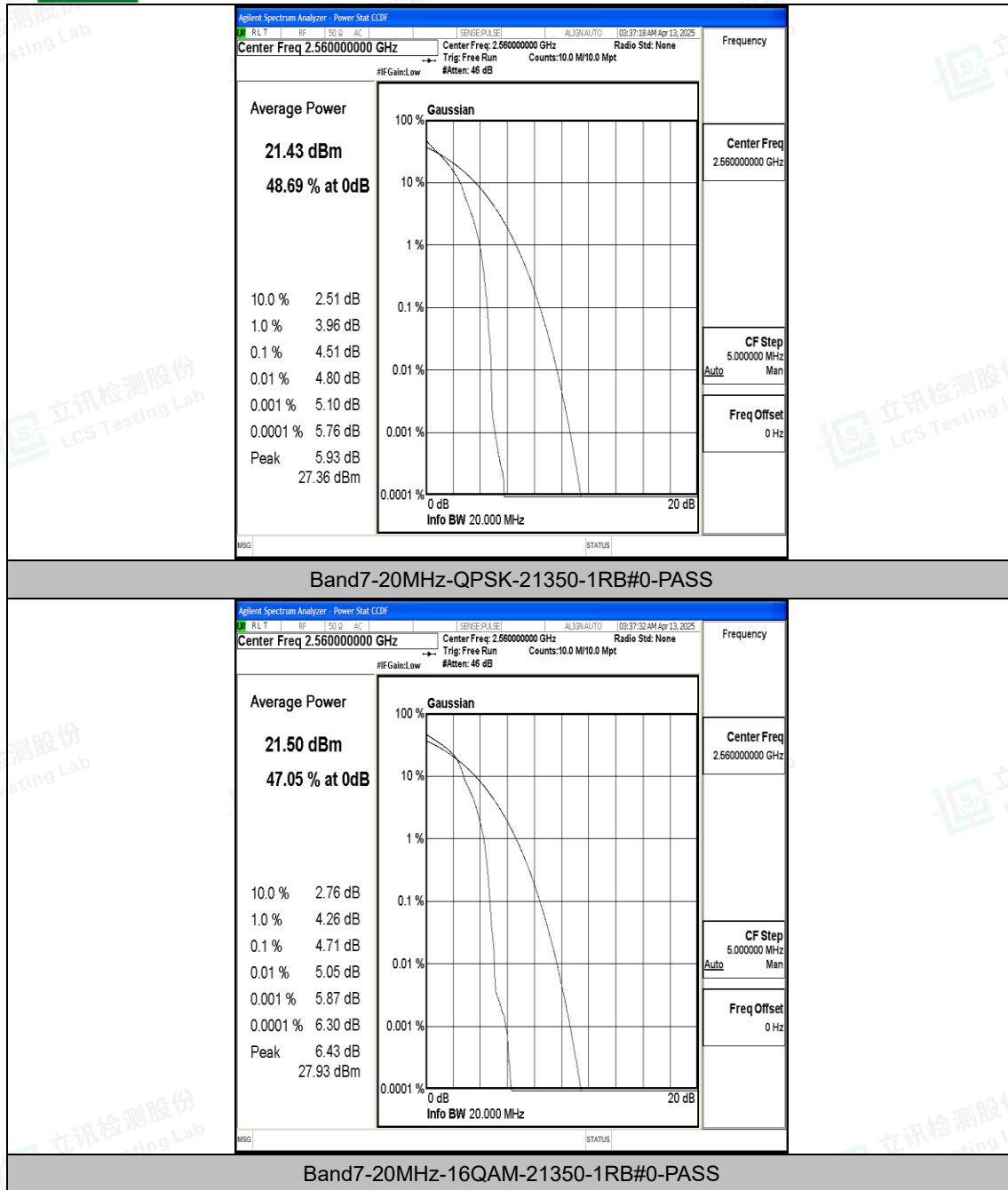


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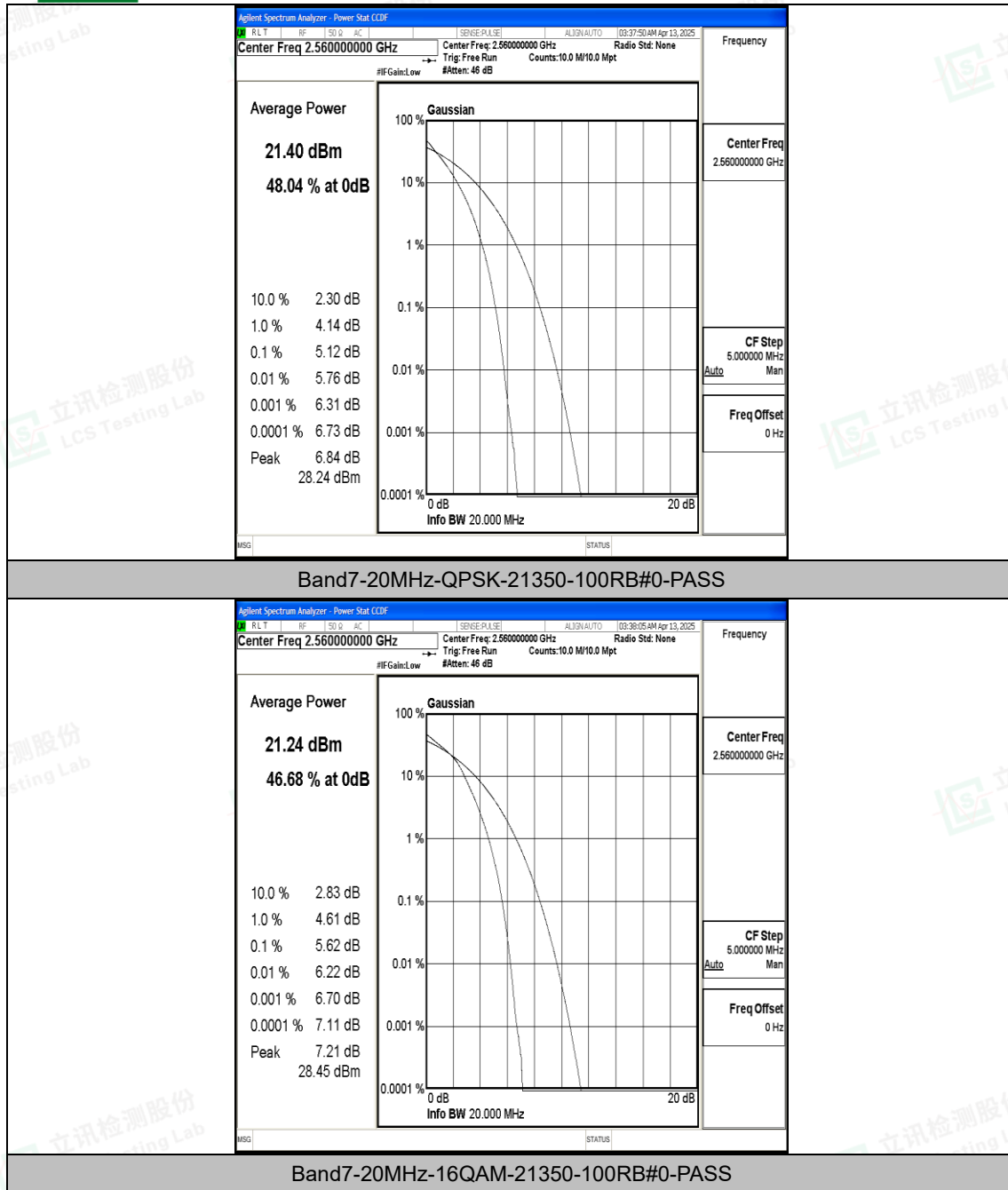


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I.3 26dB Bandwidth and Occupied Bandwidth

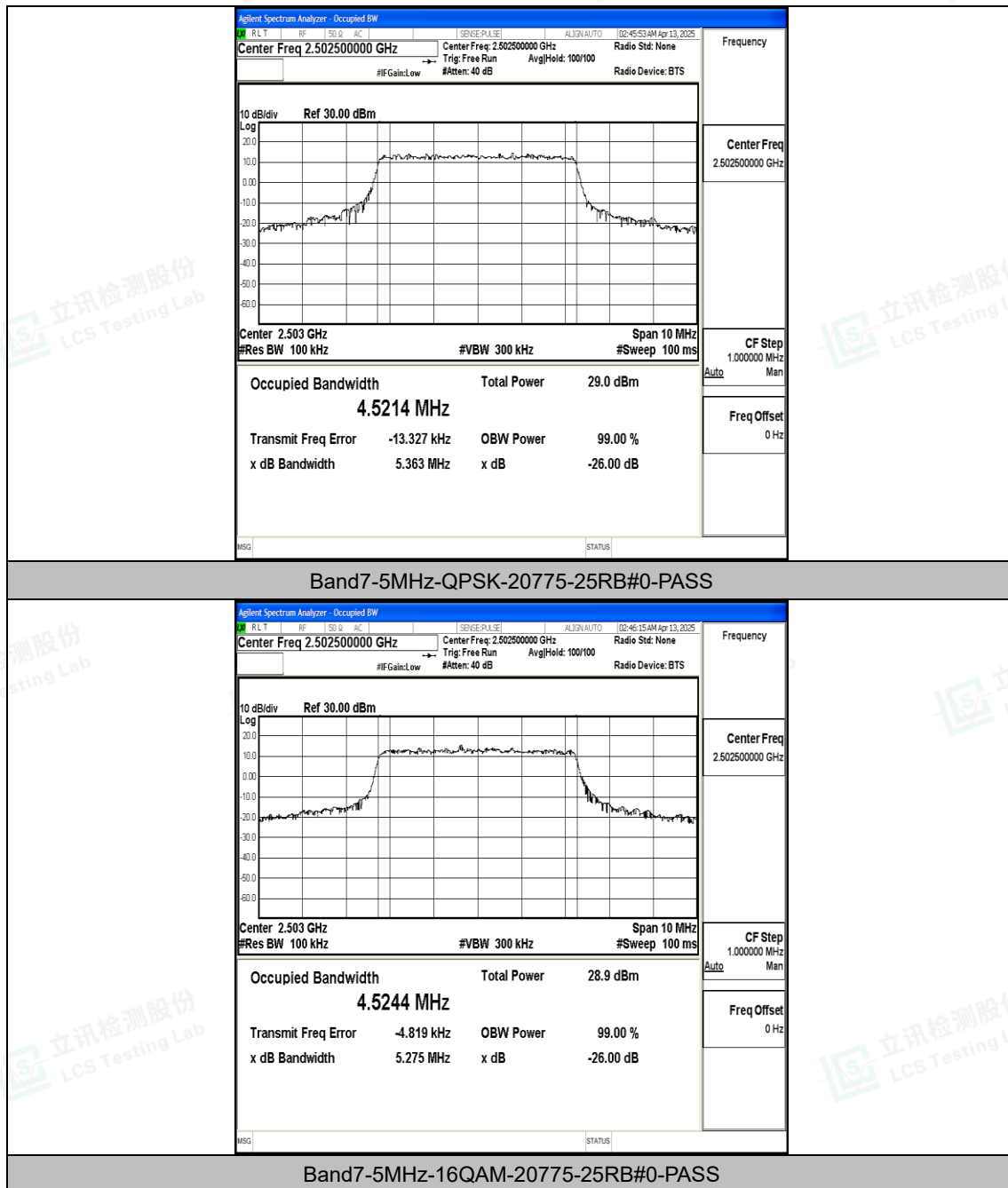
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	4.5214	5.363	PASS
Band7	5MHz	16QAM	20775	25RB#0	4.5244	5.275	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.5279	5.327	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.5270	5.281	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.5186	5.478	PASS
Band7	5MHz	16QAM	21425	25RB#0	4.5353	5.358	PASS
Band7	10MHz	QPSK	20800	50RB#0	9.0165	10.13	PASS
Band7	10MHz	16QAM	20800	50RB#0	9.0066	10.22	PASS
Band7	10MHz	QPSK	21100	50RB#0	9.0019	10.14	PASS
Band7	10MHz	16QAM	21100	50RB#0	8.9994	10.22	PASS
Band7	10MHz	QPSK	21400	50RB#0	9.0220	10.32	PASS
Band7	10MHz	16QAM	21400	50RB#0	9.0376	10.59	PASS
Band7	15MHz	QPSK	20825	75RB#0	13.536	15.37	PASS
Band7	15MHz	16QAM	20825	75RB#0	13.517	15.05	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.504	15.39	PASS
Band7	15MHz	16QAM	21100	75RB#0	13.486	15.08	PASS
Band7	15MHz	QPSK	21375	75RB#0	13.531	15.76	PASS
Band7	15MHz	16QAM	21375	75RB#0	13.506	14.88	PASS
Band7	20MHz	QPSK	20850	100RB#0	18.041	20.14	PASS
Band7	20MHz	16QAM	20850	100RB#0	18.047	19.83	PASS
Band7	20MHz	QPSK	21100	100RB#0	17.999	20.15	PASS
Band7	20MHz	16QAM	21100	100RB#0	17.978	19.90	PASS
Band7	20MHz	QPSK	21350	100RB#0	18.051	20.59	PASS
Band7	20MHz	16QAM	21350	100RB#0	18.056	20.51	PASS





Test Graphs

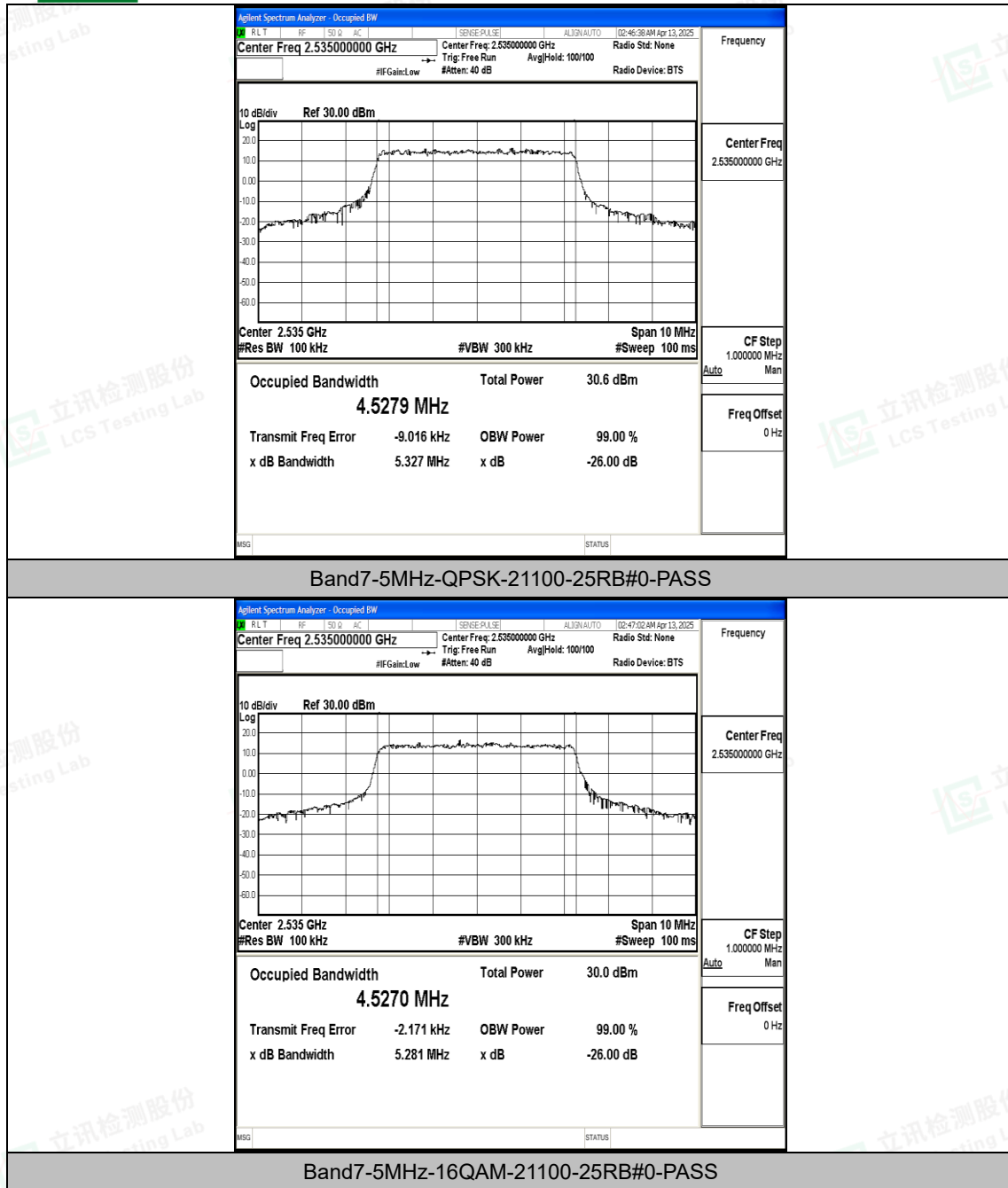


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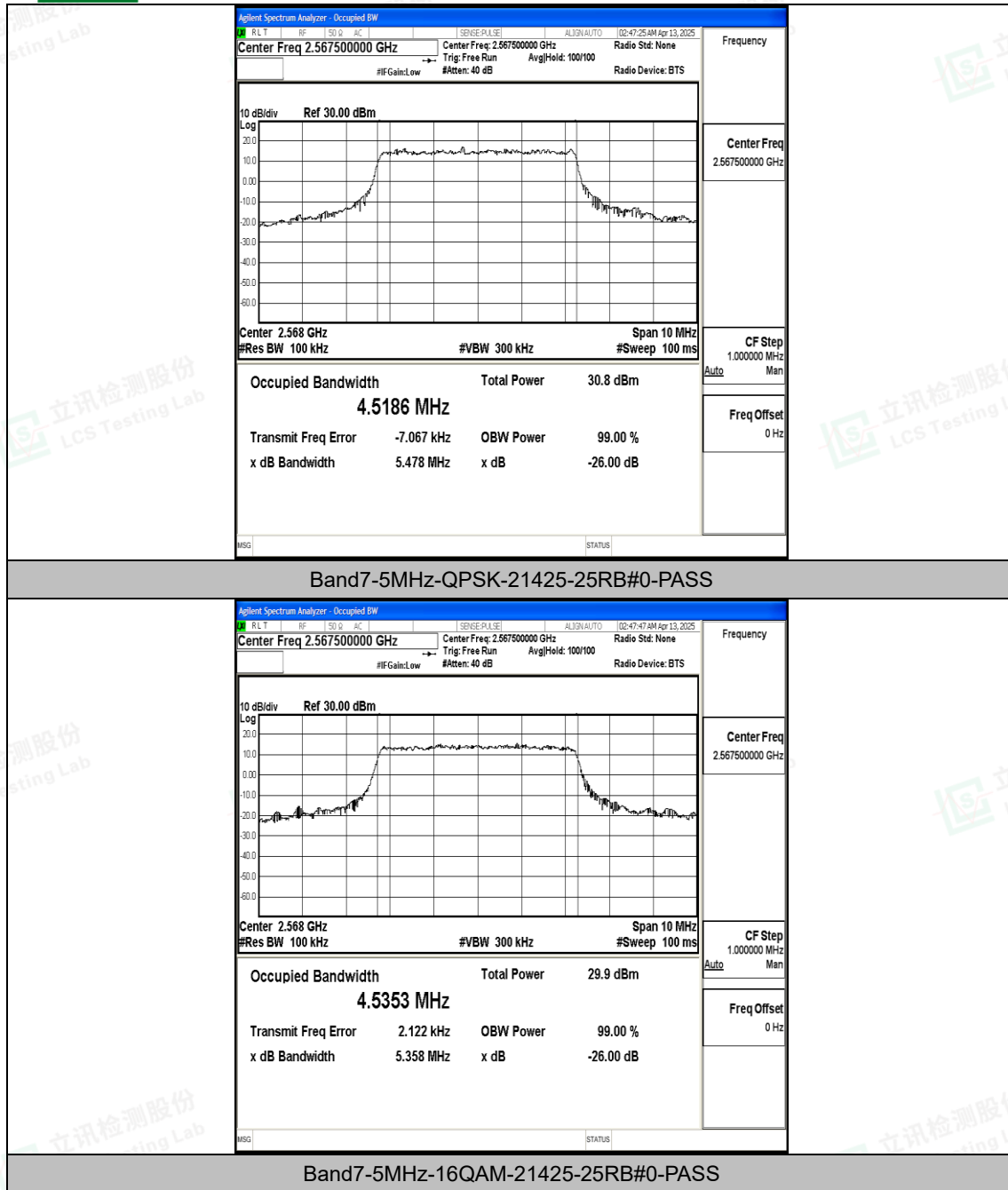


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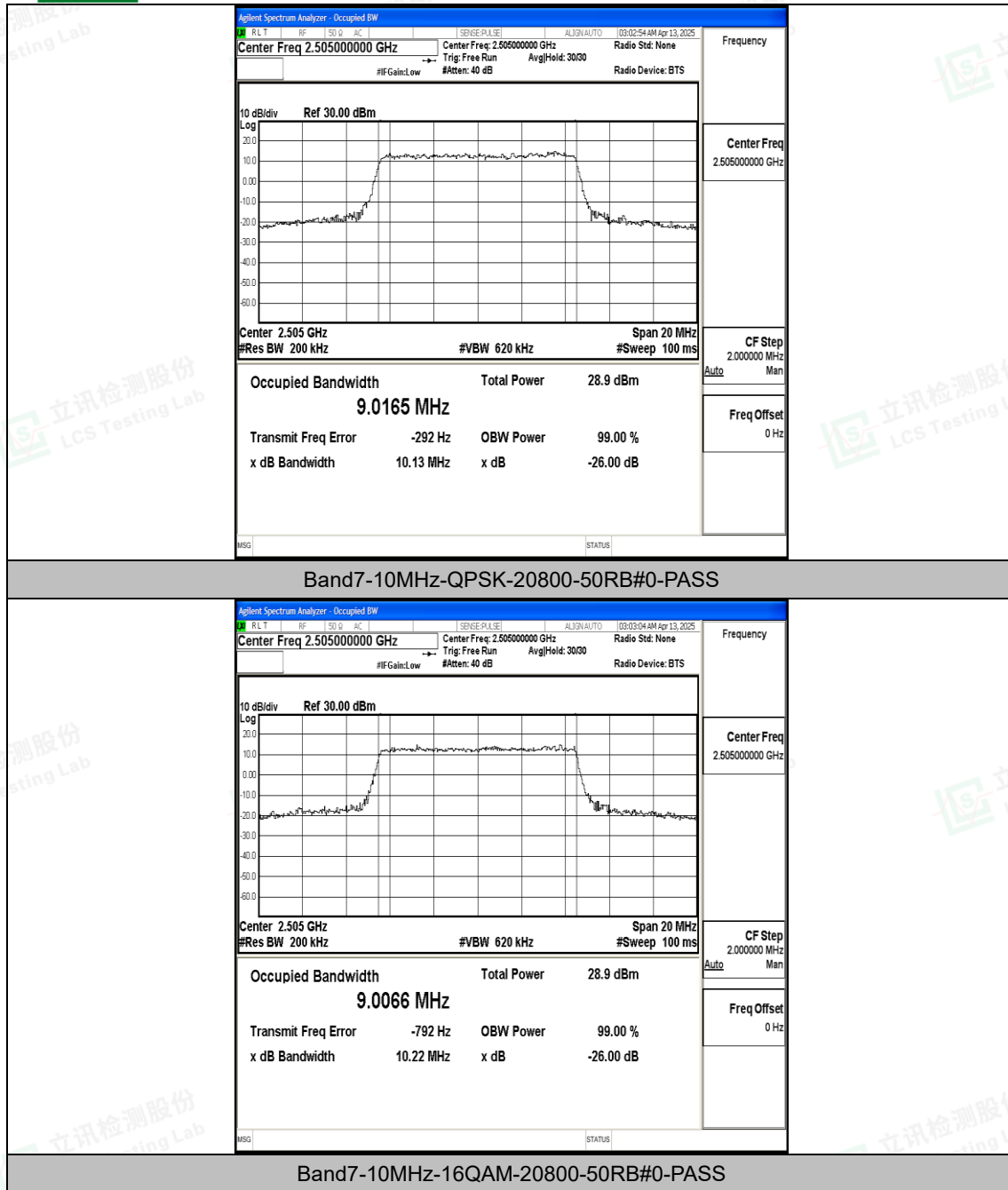


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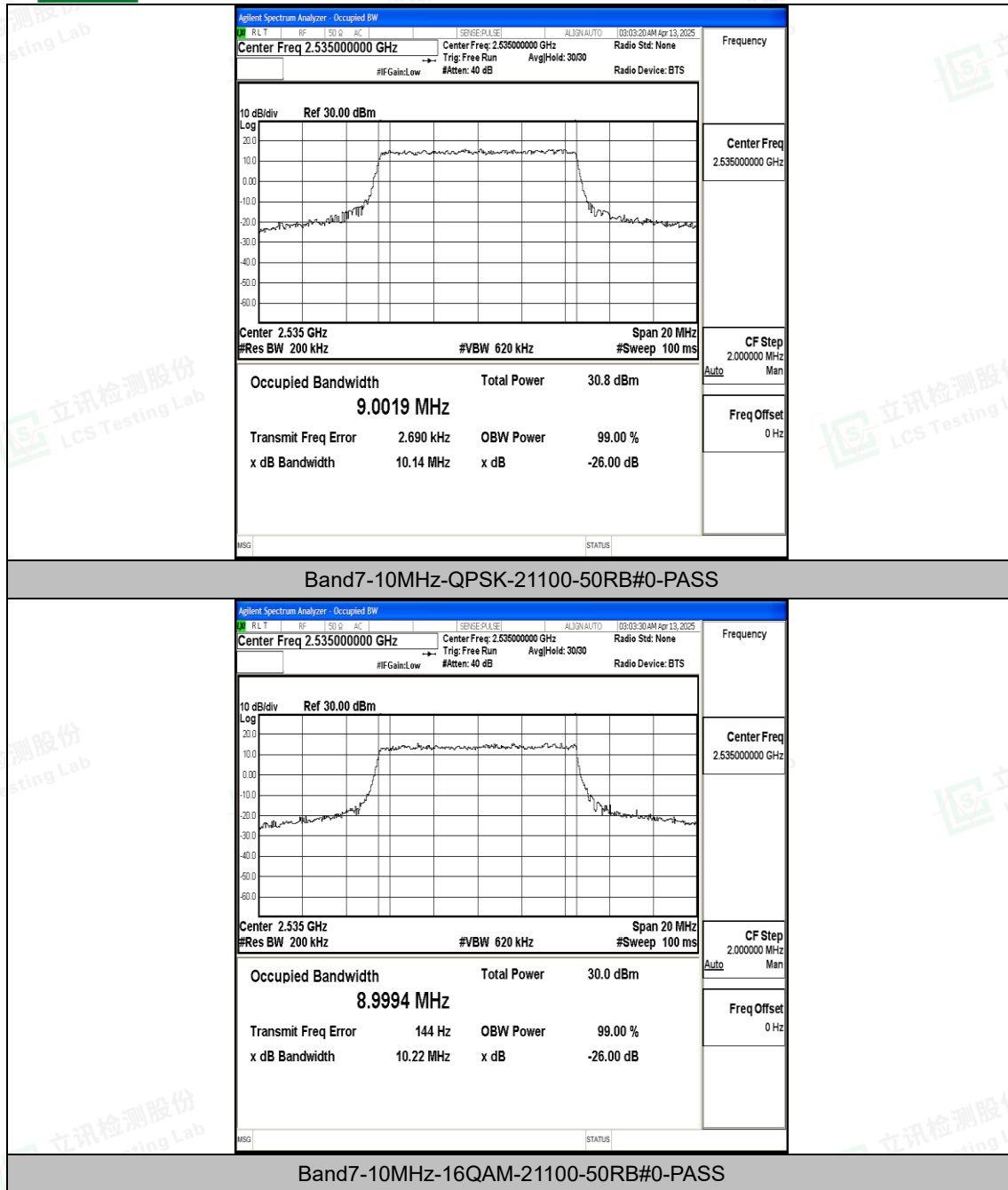


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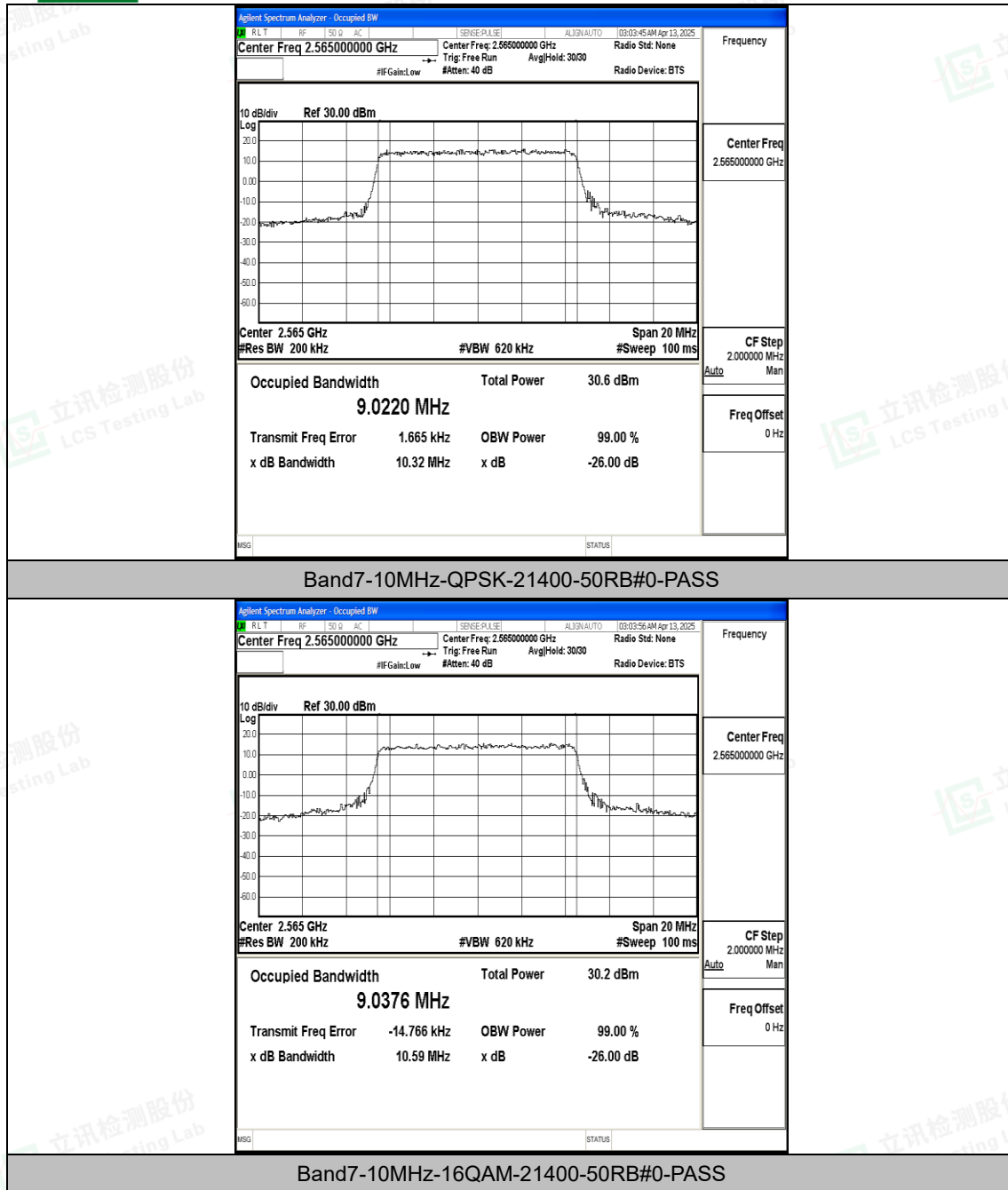


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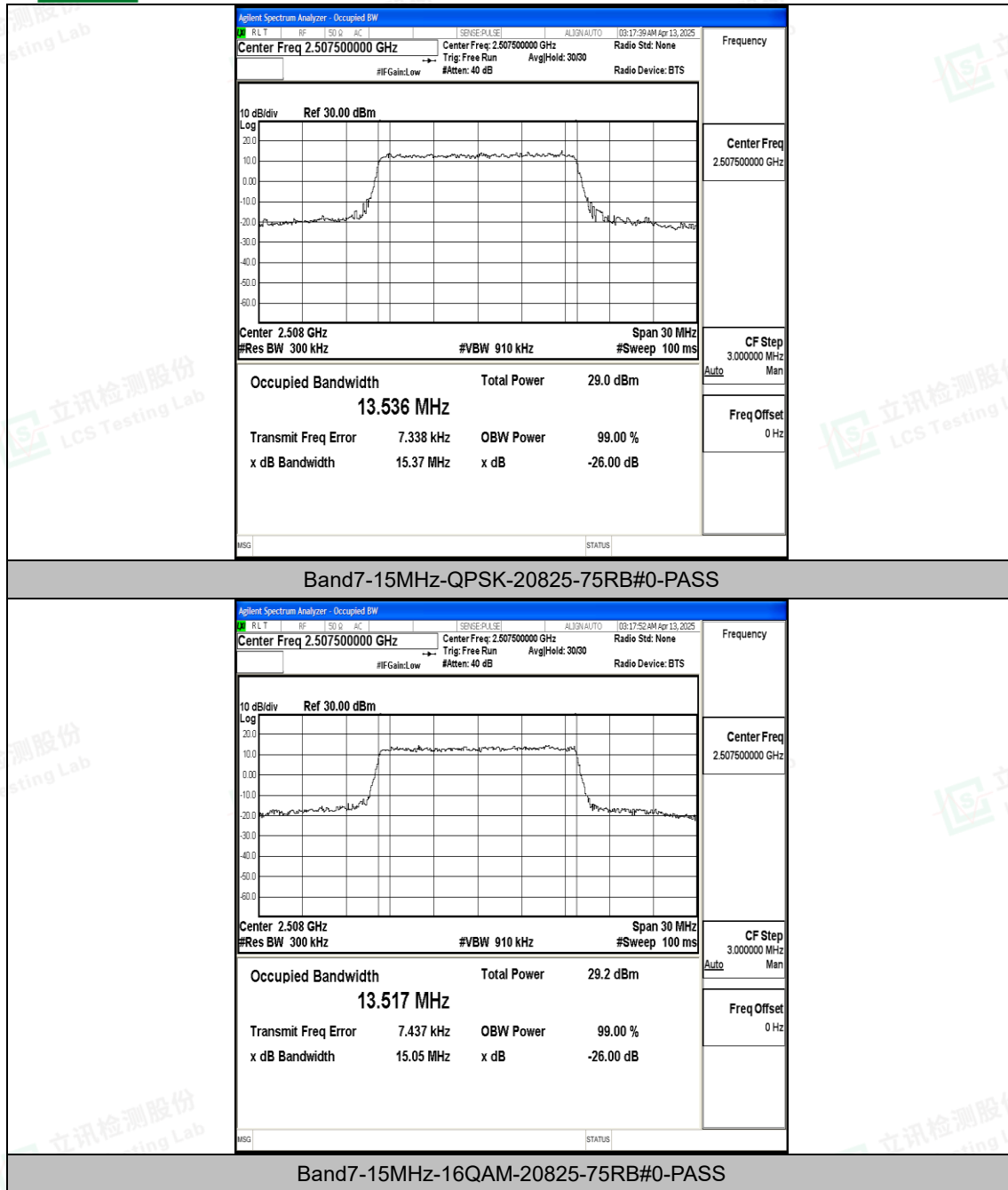


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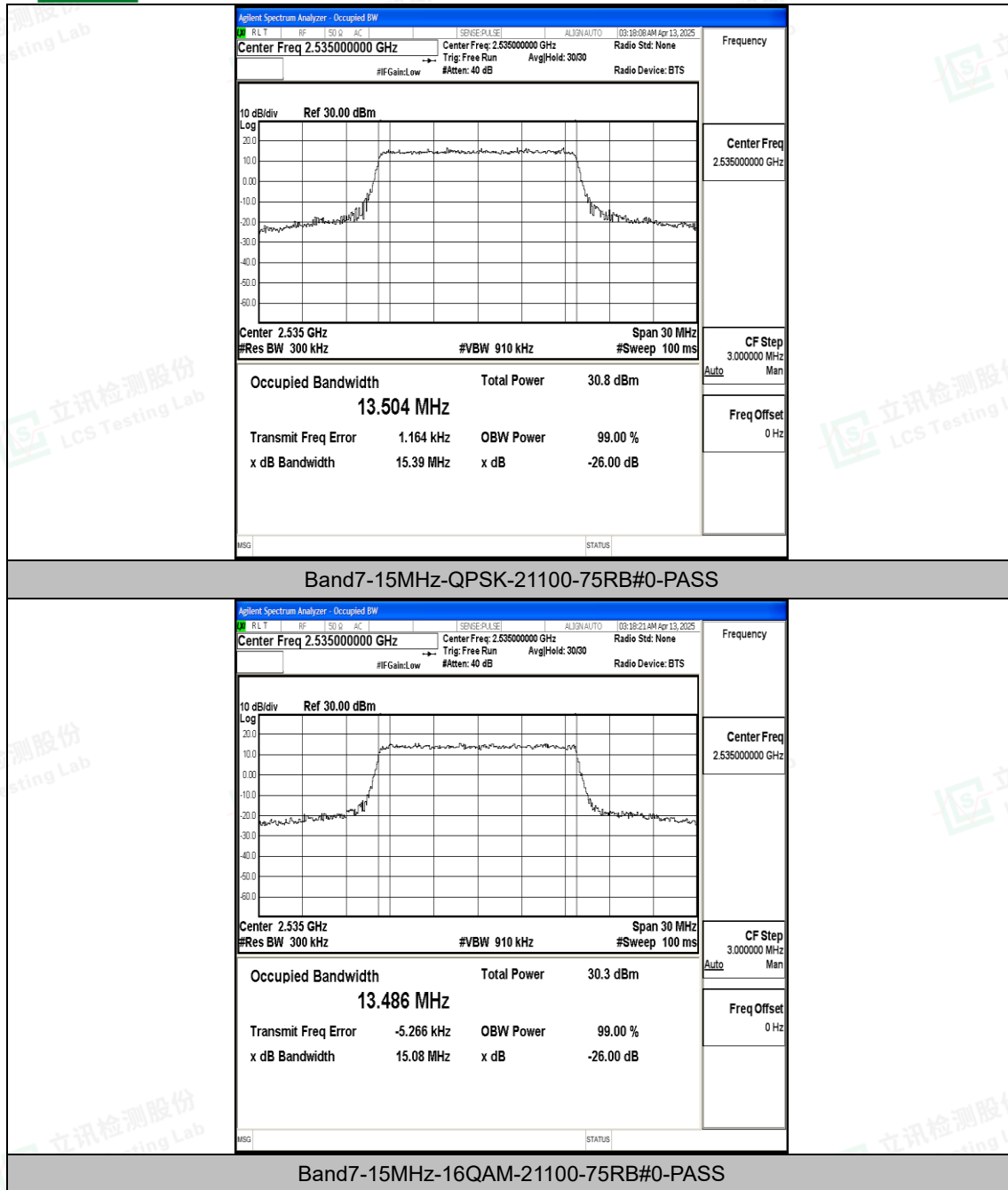


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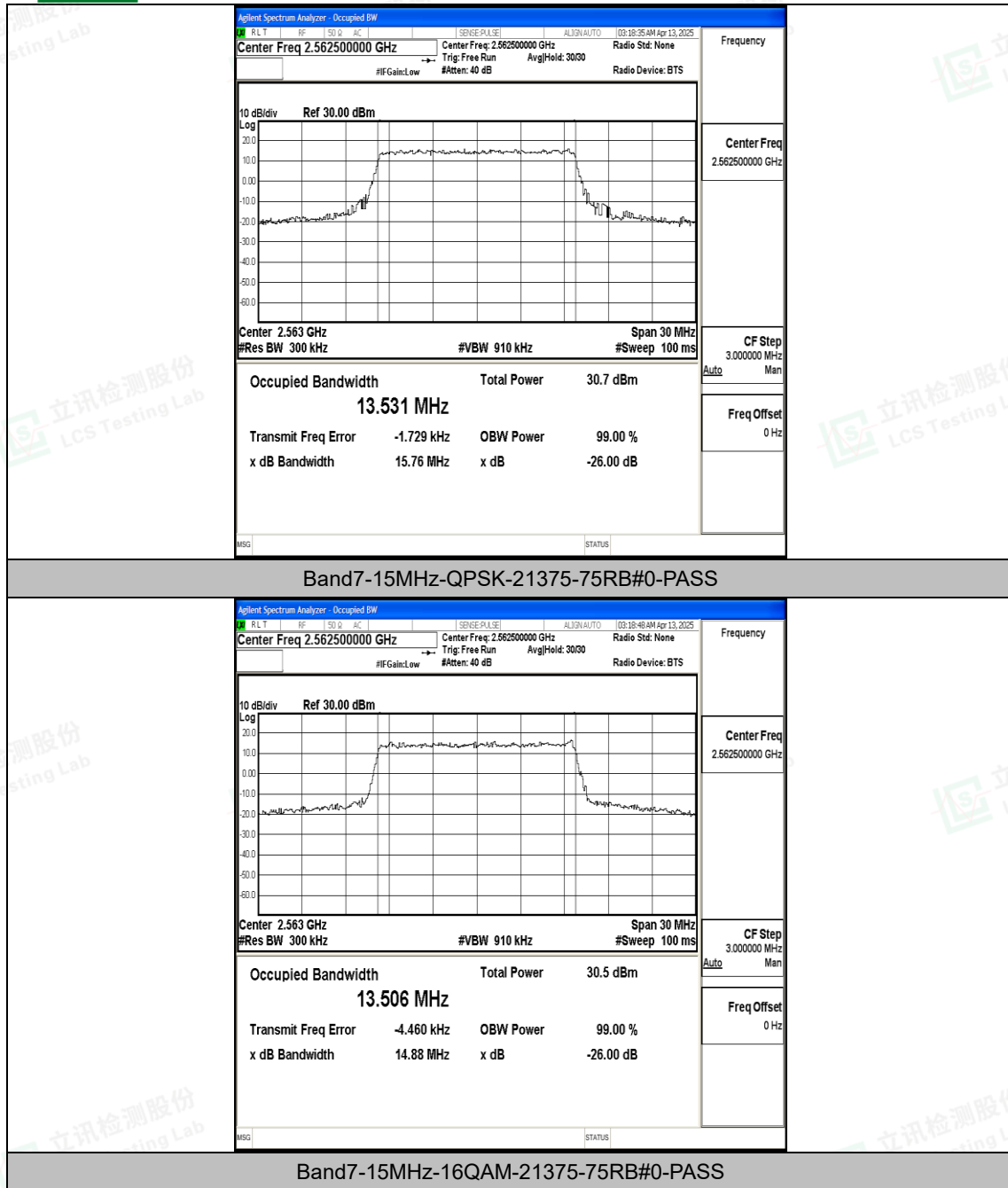


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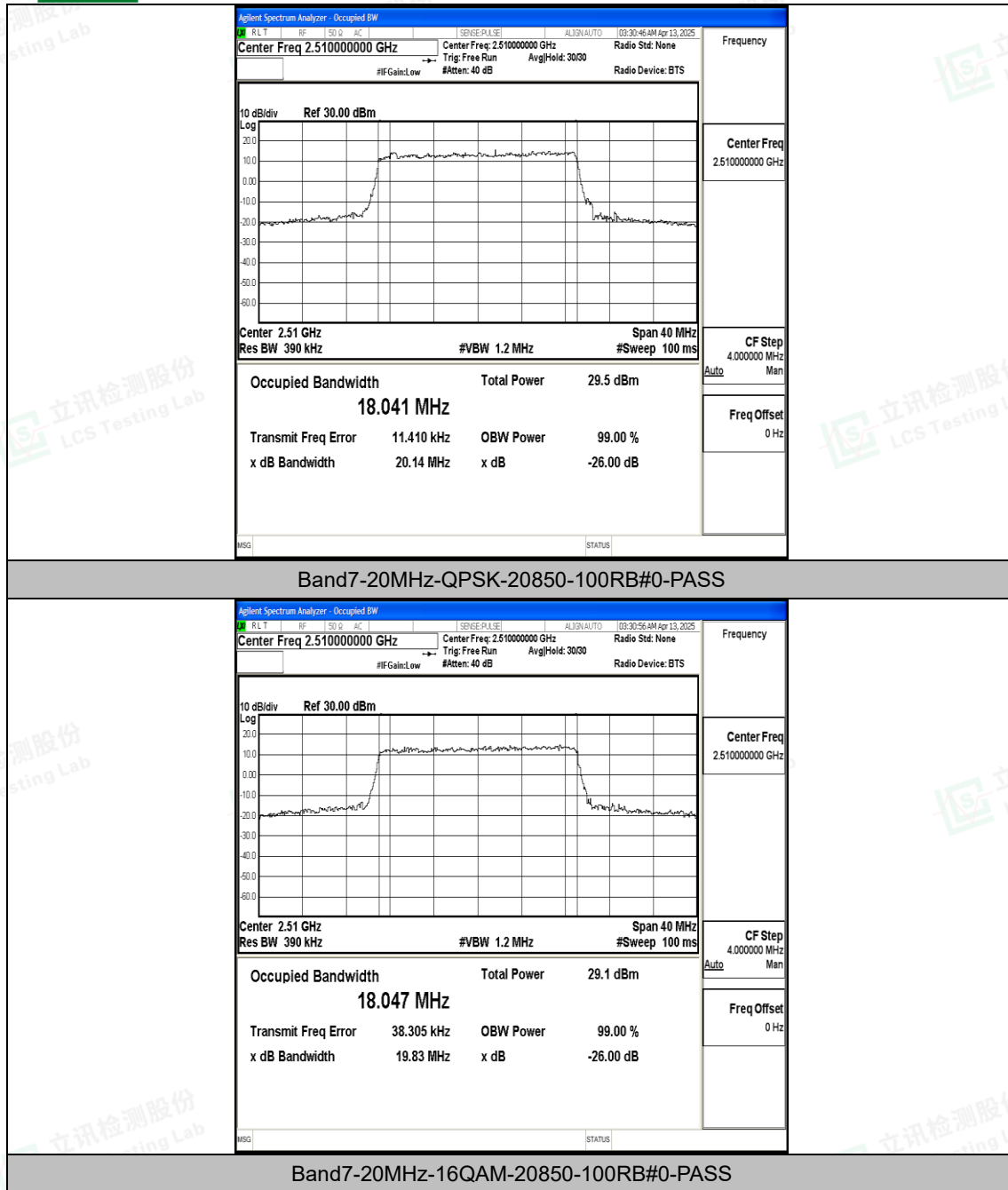


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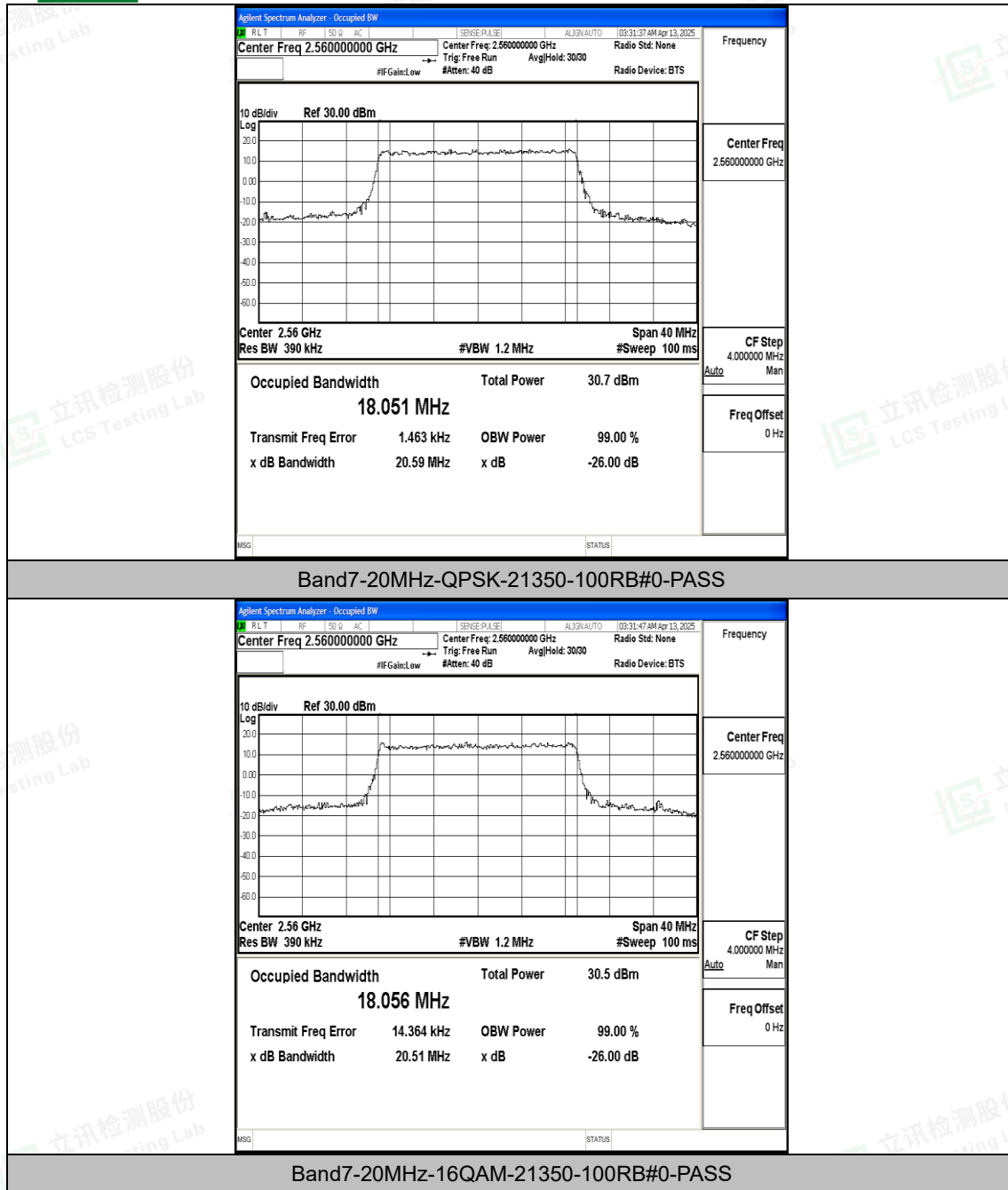


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