



Appendix E: Test Data for E-UTRA Band 7

Product Name: 4G Feature Phone

Test Model: C1

Environmental Conditions

Temperature:	23.9°C
Relative Humidity:	52.3%
ATM Pressure:	100.0 kPa
Test Engineer:	Paddi Chen
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	23.87	PASS
Band7	5MHz	16QAM	20775	1RB#0	23.67	PASS
Band7	5MHz	QPSK	20775	1RB#12	23.75	PASS
Band7	5MHz	16QAM	20775	1RB#12	24.49	PASS
Band7	5MHz	QPSK	20775	1RB#24	24.3	PASS
Band7	5MHz	16QAM	20775	1RB#24	24.43	PASS
Band7	5MHz	QPSK	20775	12RB#0	23.89	PASS
Band7	5MHz	16QAM	20775	12RB#0	23.91	PASS
Band7	5MHz	QPSK	20775	12RB#6	23.79	PASS
Band7	5MHz	16QAM	20775	12RB#6	24.03	PASS
Band7	5MHz	QPSK	20775	12RB#13	23.77	PASS
Band7	5MHz	16QAM	20775	12RB#13	24.1	PASS
Band7	5MHz	QPSK	20775	25RB#0	23.79	PASS
Band7	5MHz	16QAM	20775	25RB#0	24.15	PASS
Band7	5MHz	QPSK	21100	1RB#0	24.33	PASS
Band7	5MHz	16QAM	21100	1RB#0	24.15	PASS
Band7	5MHz	QPSK	21100	1RB#12	24.26	PASS
Band7	5MHz	16QAM	21100	1RB#12	23.85	PASS
Band7	5MHz	QPSK	21100	1RB#24	24.48	PASS
Band7	5MHz	16QAM	21100	1RB#24	23.83	PASS
Band7	5MHz	QPSK	21100	12RB#0	23.58	PASS
Band7	5MHz	16QAM	21100	12RB#0	23.68	PASS
Band7	5MHz	QPSK	21100	12RB#6	23.75	PASS
Band7	5MHz	16QAM	21100	12RB#6	23.72	PASS
Band7	5MHz	QPSK	21100	12RB#13	24.37	PASS
Band7	5MHz	16QAM	21100	12RB#13	23.62	PASS
Band7	5MHz	QPSK	21100	25RB#0	23.58	PASS
Band7	5MHz	16QAM	21100	25RB#0	23.7	PASS
Band7	5MHz	QPSK	21425	1RB#0	24.37	PASS
Band7	5MHz	16QAM	21425	1RB#0	24.11	PASS
Band7	5MHz	QPSK	21425	1RB#12	23.77	PASS
Band7	5MHz	16QAM	21425	1RB#12	23.93	PASS
Band7	5MHz	QPSK	21425	1RB#24	24.44	PASS
Band7	5MHz	16QAM	21425	1RB#24	23.95	PASS
Band7	5MHz	QPSK	21425	12RB#0	24.43	PASS



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Band7	5MHz	16QAM	21425	12RB#0	23.76	PASS
Band7	5MHz	QPSK	21425	12RB#6	24.4	PASS
Band7	5MHz	16QAM	21425	12RB#6	23.74	PASS
Band7	5MHz	QPSK	21425	12RB#13	23.59	PASS
Band7	5MHz	16QAM	21425	12RB#13	23.71	PASS
Band7	5MHz	QPSK	21425	25RB#0	24.51	PASS
Band7	5MHz	16QAM	21425	25RB#0	23.86	PASS
Band7	10MHz	QPSK	20800	1RB#0	24.35	PASS
Band7	10MHz	16QAM	20800	1RB#0	24.16	PASS
Band7	10MHz	QPSK	20800	1RB#24	24.34	PASS
Band7	10MHz	16QAM	20800	1RB#24	24.27	PASS
Band7	10MHz	QPSK	20800	1RB#49	24.3	PASS
Band7	10MHz	16QAM	20800	1RB#49	24.34	PASS
Band7	10MHz	QPSK	20800	25RB#0	23.54	PASS
Band7	10MHz	16QAM	20800	25RB#0	24.52	PASS
Band7	10MHz	QPSK	20800	25RB#12	24.47	PASS
Band7	10MHz	16QAM	20800	25RB#12	23.65	PASS
Band7	10MHz	QPSK	20800	25RB#25	24.48	PASS
Band7	10MHz	16QAM	20800	25RB#25	23.58	PASS
Band7	10MHz	QPSK	20800	50RB#0	24.51	PASS
Band7	10MHz	16QAM	20800	50RB#0	23.62	PASS
Band7	10MHz	QPSK	21100	1RB#0	23.55	PASS
Band7	10MHz	16QAM	21100	1RB#0	24.32	PASS
Band7	10MHz	QPSK	21100	1RB#24	23.59	PASS
Band7	10MHz	16QAM	21100	1RB#24	24.41	PASS
Band7	10MHz	QPSK	21100	1RB#49	23.63	PASS
Band7	10MHz	16QAM	21100	1RB#49	24.41	PASS
Band7	10MHz	QPSK	21100	25RB#0	24.41	PASS
Band7	10MHz	16QAM	21100	25RB#0	23.65	PASS
Band7	10MHz	QPSK	21100	25RB#12	24.44	PASS
Band7	10MHz	16QAM	21100	25RB#12	23.7	PASS
Band7	10MHz	QPSK	21100	25RB#25	24.46	PASS
Band7	10MHz	16QAM	21100	25RB#25	23.75	PASS
Band7	10MHz	QPSK	21100	50RB#0	24.37	PASS
Band7	10MHz	16QAM	21100	50RB#0	23.68	PASS
Band7	10MHz	QPSK	21400	1RB#0	23.91	PASS
Band7	10MHz	16QAM	21400	1RB#0	23.7	PASS
Band7	10MHz	QPSK	21400	1RB#24	23.8	PASS
Band7	10MHz	16QAM	21400	1RB#24	23.62	PASS
Band7	10MHz	QPSK	21400	1RB#49	23.69	PASS



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Band7	10MHz	16QAM	21400	1RB#49	23.54	PASS
Band7	10MHz	QPSK	21400	25RB#0	23.66	PASS
Band7	10MHz	16QAM	21400	25RB#0	24	PASS
Band7	10MHz	QPSK	21400	25RB#12	23.72	PASS
Band7	10MHz	16QAM	21400	25RB#12	23.98	PASS
Band7	10MHz	QPSK	21400	25RB#25	23.69	PASS
Band7	10MHz	16QAM	21400	25RB#25	23.87	PASS
Band7	10MHz	QPSK	21400	50RB#0	23.7	PASS
Band7	10MHz	16QAM	21400	50RB#0	23.84	PASS
Band7	15MHz	QPSK	20825	1RB#0	24.36	PASS
Band7	15MHz	16QAM	20825	1RB#0	24.43	PASS
Band7	15MHz	QPSK	20825	1RB#38	24.38	PASS
Band7	15MHz	16QAM	20825	1RB#38	24.42	PASS
Band7	15MHz	QPSK	20825	1RB#74	24.39	PASS
Band7	15MHz	16QAM	20825	1RB#74	24.45	PASS
Band7	15MHz	QPSK	20825	38RB#0	23.85	PASS
Band7	15MHz	16QAM	20825	38RB#0	24.37	PASS
Band7	15MHz	QPSK	20825	38RB#18	24.46	PASS
Band7	15MHz	16QAM	20825	38RB#18	24.28	PASS
Band7	15MHz	QPSK	20825	38RB#37	24.15	PASS
Band7	15MHz	16QAM	20825	38RB#37	24.37	PASS
Band7	15MHz	QPSK	20825	75RB#0	24.42	PASS
Band7	15MHz	16QAM	20825	75RB#0	23.57	PASS
Band7	15MHz	QPSK	21100	1RB#0	24.11	PASS
Band7	15MHz	16QAM	21100	1RB#0	24.24	PASS
Band7	15MHz	QPSK	21100	1RB#38	24.15	PASS
Band7	15MHz	16QAM	21100	1RB#38	24.27	PASS
Band7	15MHz	QPSK	21100	1RB#74	24.28	PASS
Band7	15MHz	16QAM	21100	1RB#74	24.51	PASS
Band7	15MHz	QPSK	21100	38RB#0	24.47	PASS
Band7	15MHz	16QAM	21100	38RB#0	24.36	PASS
Band7	15MHz	QPSK	21100	38RB#18	24.47	PASS
Band7	15MHz	16QAM	21100	38RB#18	24.5	PASS
Band7	15MHz	QPSK	21100	38RB#37	24.33	PASS
Band7	15MHz	16QAM	21100	38RB#37	24.38	PASS
Band7	15MHz	QPSK	21100	75RB#0	24.34	PASS
Band7	15MHz	16QAM	21100	75RB#0	24.51	PASS
Band7	15MHz	QPSK	21375	1RB#0	23.69	PASS
Band7	15MHz	16QAM	21375	1RB#0	24.45	PASS
Band7	15MHz	QPSK	21375	1RB#38	23.57	PASS



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Band7	15MHz	16QAM	21375	1RB#38	24.45	PASS
Band7	15MHz	QPSK	21375	1RB#74	23.6	PASS
Band7	15MHz	16QAM	21375	1RB#74	24.29	PASS
Band7	15MHz	QPSK	21375	38RB#0	23.66	PASS
Band7	15MHz	16QAM	21375	38RB#0	23.69	PASS
Band7	15MHz	QPSK	21375	38RB#18	23.7	PASS
Band7	15MHz	16QAM	21375	38RB#18	23.8	PASS
Band7	15MHz	QPSK	21375	38RB#37	23.71	PASS
Band7	15MHz	16QAM	21375	38RB#37	23.73	PASS
Band7	15MHz	QPSK	21375	75RB#0	23.72	PASS
Band7	15MHz	16QAM	21375	75RB#0	23.84	PASS
Band7	20MHz	QPSK	20850	1RB#0	23.56	PASS
Band7	20MHz	16QAM	20850	1RB#0	24.19	PASS
Band7	20MHz	QPSK	20850	1RB#49	23.66	PASS
Band7	20MHz	16QAM	20850	1RB#49	24.1	PASS
Band7	20MHz	QPSK	20850	1RB#99	24.52	PASS
Band7	20MHz	16QAM	20850	1RB#99	24.07	PASS
Band7	20MHz	QPSK	20850	50RB#0	24.33	PASS
Band7	20MHz	16QAM	20850	50RB#0	23.59	PASS
Band7	20MHz	QPSK	20850	50RB#25	24.45	PASS
Band7	20MHz	16QAM	20850	50RB#25	23.67	PASS
Band7	20MHz	QPSK	20850	50RB#50	24.26	PASS
Band7	20MHz	16QAM	20850	50RB#50	24.49	PASS
Band7	20MHz	QPSK	20850	100RB#0	24.35	PASS
Band7	20MHz	16QAM	20850	100RB#0	24.46	PASS
Band7	20MHz	QPSK	21100	1RB#0	24.29	PASS
Band7	20MHz	16QAM	21100	1RB#0	24.03	PASS
Band7	20MHz	QPSK	21100	1RB#49	24.43	PASS
Band7	20MHz	16QAM	21100	1RB#49	24.02	PASS
Band7	20MHz	QPSK	21100	1RB#99	23.67	PASS
Band7	20MHz	16QAM	21100	1RB#99	24.17	PASS
Band7	20MHz	QPSK	21100	50RB#0	24.39	PASS
Band7	20MHz	16QAM	21100	50RB#0	24.51	PASS
Band7	20MHz	QPSK	21100	50RB#25	24.24	PASS
Band7	20MHz	16QAM	21100	50RB#25	24.5	PASS
Band7	20MHz	QPSK	21100	50RB#50	24.49	PASS
Band7	20MHz	16QAM	21100	50RB#50	23.65	PASS
Band7	20MHz	QPSK	21100	100RB#0	24.45	PASS
Band7	20MHz	16QAM	21100	100RB#0	23.69	PASS
Band7	20MHz	QPSK	21350	1RB#0	23.78	PASS



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Band7	20MHz	16QAM	21350	1RB#0	23.67	PASS
Band7	20MHz	QPSK	21350	1RB#49	23.8	PASS
Band7	20MHz	16QAM	21350	1RB#49	23.59	PASS
Band7	20MHz	QPSK	21350	1RB#99	23.68	PASS
Band7	20MHz	16QAM	21350	1RB#99	24.48	PASS
Band7	20MHz	QPSK	21350	50RB#0	23.69	PASS
Band7	20MHz	16QAM	21350	50RB#0	23.94	PASS
Band7	20MHz	QPSK	21350	50RB#25	23.74	PASS
Band7	20MHz	16QAM	21350	50RB#25	23.94	PASS
Band7	20MHz	QPSK	21350	50RB#50	23.58	PASS
Band7	20MHz	16QAM	21350	50RB#50	23.74	PASS
Band7	20MHz	QPSK	21350	100RB#0	22.64	PASS
Band7	20MHz	16QAM	21350	100RB#0	22.82	PASS



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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	4.79	13	PASS
Band7	5MHz	16QAM	20775	1RB#0	5.40	13	PASS
Band7	5MHz	QPSK	20775	25RB#0	5.37	13	PASS
Band7	5MHz	16QAM	20775	25RB#0	6.03	13	PASS
Band7	5MHz	QPSK	21100	1RB#0	5.35	13	PASS
Band7	5MHz	16QAM	21100	1RB#0	5.88	13	PASS
Band7	5MHz	QPSK	21100	25RB#0	5.59	13	PASS
Band7	5MHz	16QAM	21100	25RB#0	6.24	13	PASS
Band7	5MHz	QPSK	21425	1RB#0	5.12	13	PASS
Band7	5MHz	16QAM	21425	1RB#0	5.84	13	PASS
Band7	5MHz	QPSK	21425	25RB#0	5.60	13	PASS
Band7	5MHz	16QAM	21425	25RB#0	6.26	13	PASS
Band7	10MHz	QPSK	20800	1RB#0	4.47	13	PASS
Band7	10MHz	16QAM	20800	1RB#0	5.33	13	PASS
Band7	10MHz	QPSK	20800	50RB#0	5.45	13	PASS
Band7	10MHz	16QAM	20800	50RB#0	6.10	13	PASS
Band7	10MHz	QPSK	21100	1RB#0	5.19	13	PASS
Band7	10MHz	16QAM	21100	1RB#0	5.97	13	PASS
Band7	10MHz	QPSK	21100	50RB#0	5.63	13	PASS
Band7	10MHz	16QAM	21100	50RB#0	6.29	13	PASS
Band7	10MHz	QPSK	21400	1RB#0	4.95	13	PASS
Band7	10MHz	16QAM	21400	1RB#0	5.71	13	PASS
Band7	10MHz	QPSK	21400	50RB#0	5.63	13	PASS
Band7	10MHz	16QAM	21400	50RB#0	6.28	13	PASS
Band7	15MHz	QPSK	20825	1RB#0	4.45	13	PASS
Band7	15MHz	16QAM	20825	1RB#0	5.41	13	PASS
Band7	15MHz	QPSK	20825	75RB#0	5.75	13	PASS
Band7	15MHz	16QAM	20825	75RB#0	6.21	13	PASS
Band7	15MHz	QPSK	21100	1RB#0	5.30	13	PASS
Band7	15MHz	16QAM	21100	1RB#0	6.05	13	PASS
Band7	15MHz	QPSK	21100	75RB#0	5.92	13	PASS
Band7	15MHz	16QAM	21100	75RB#0	6.35	13	PASS
Band7	15MHz	QPSK	21375	1RB#0	4.90	13	PASS
Band7	15MHz	16QAM	21375	1RB#0	5.80	13	PASS
Band7	15MHz	QPSK	21375	75RB#0	5.87	13	PASS



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Band7	15MHz	16QAM	21375	75RB#0	6.31	13	PASS
Band7	20MHz	QPSK	20850	1RB#0	4.25	13	PASS
Band7	20MHz	16QAM	20850	1RB#0	5.26	13	PASS
Band7	20MHz	QPSK	20850	100RB#0	5.50	13	PASS
Band7	20MHz	16QAM	20850	100RB#0	6.20	13	PASS
Band7	20MHz	QPSK	21100	1RB#0	5.05	13	PASS
Band7	20MHz	16QAM	21100	1RB#0	5.85	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	5.64	13	PASS
Band7	20MHz	16QAM	21100	100RB#0	6.29	13	PASS
Band7	20MHz	QPSK	21350	1RB#0	4.74	13	PASS
Band7	20MHz	16QAM	21350	1RB#0	5.60	13	PASS
Band7	20MHz	QPSK	21350	100RB#0	5.57	13	PASS
Band7	20MHz	16QAM	21350	100RB#0	6.26	13	PASS



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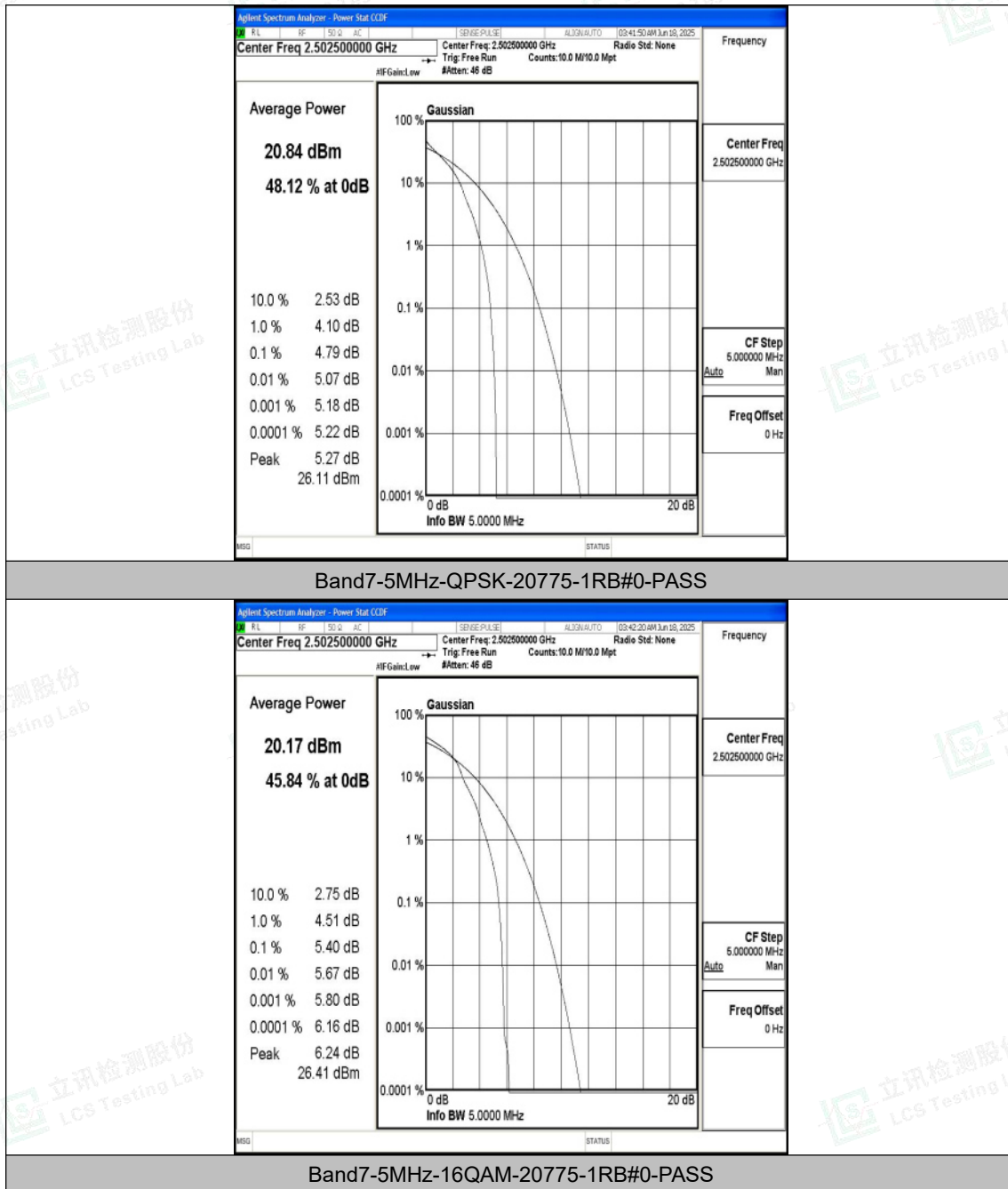
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Test Graphs

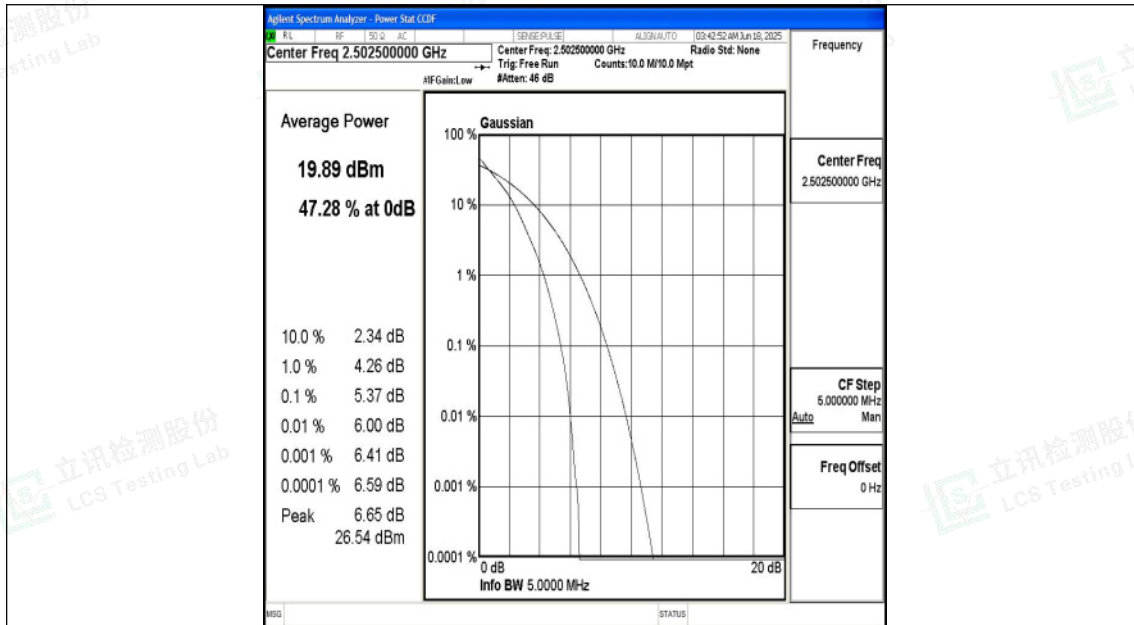


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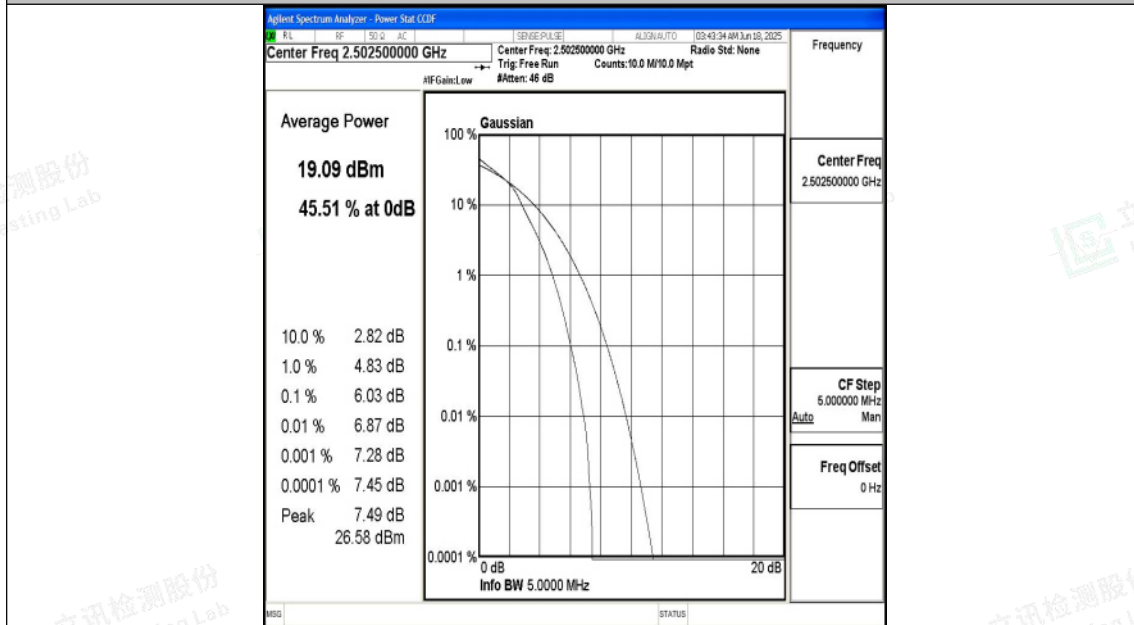
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Band7-5MHz-QPSK-20775-25RB#0-PASS



Band7-5MHz-16QAM-20775-25RB#0-PASS

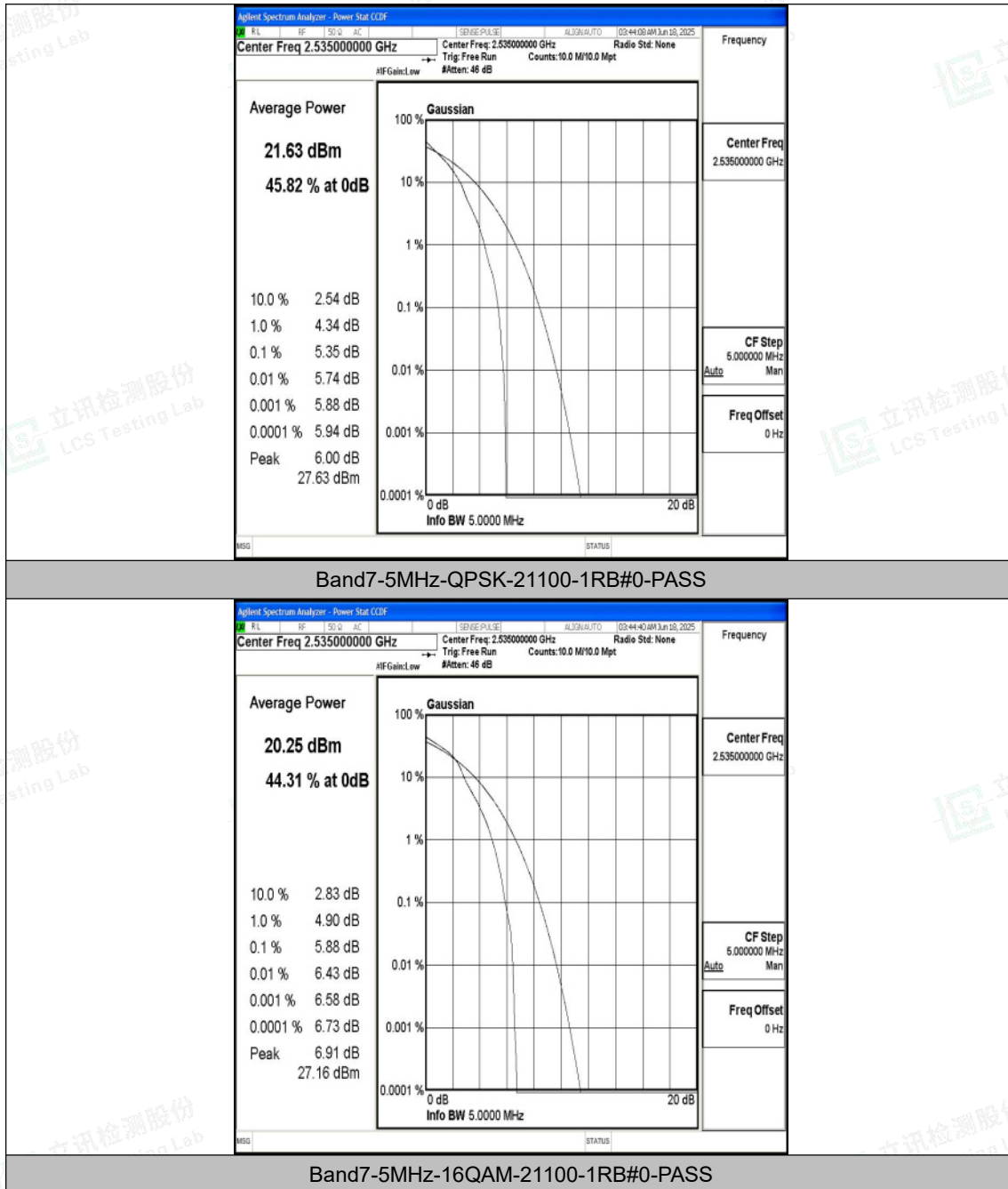


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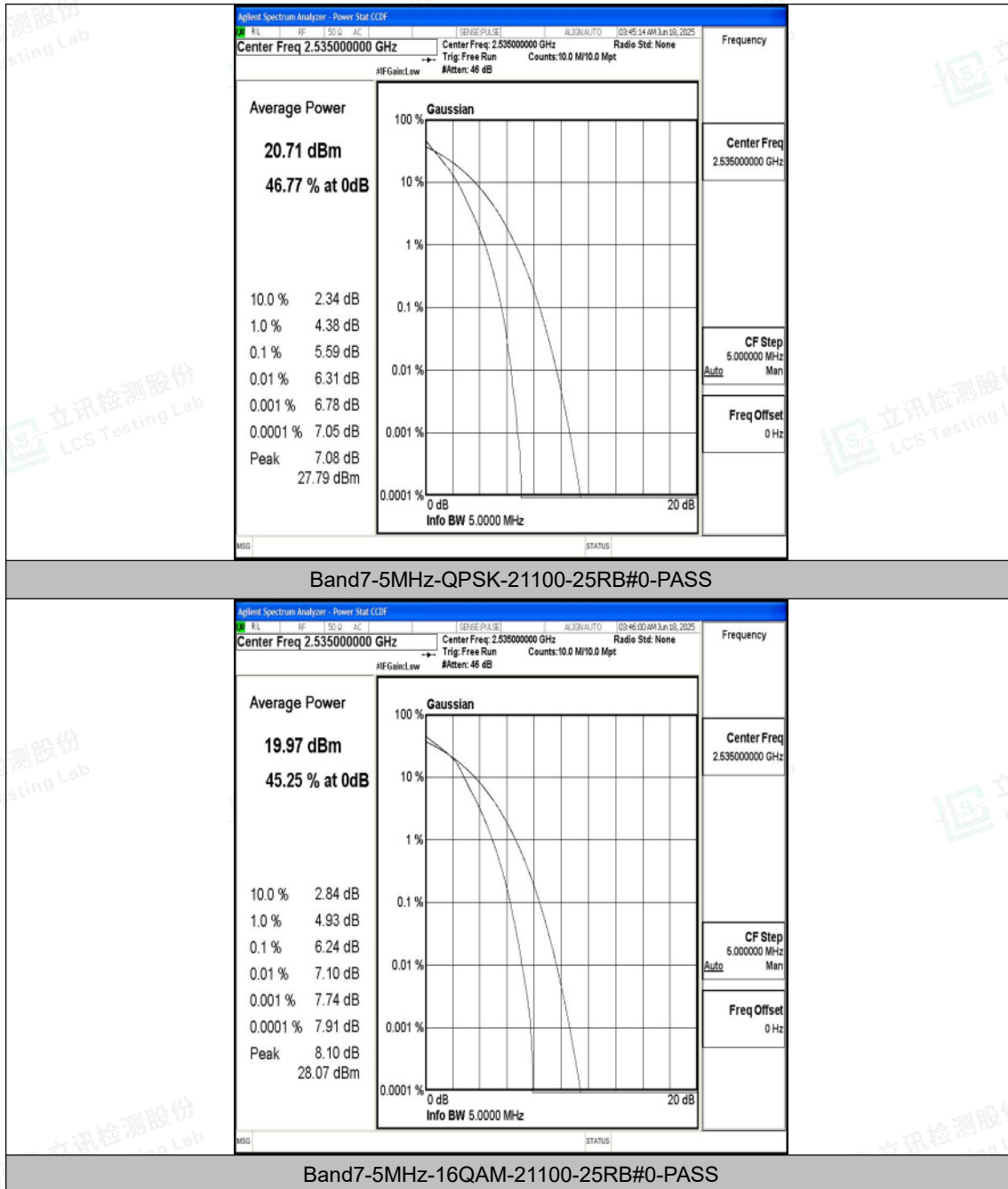


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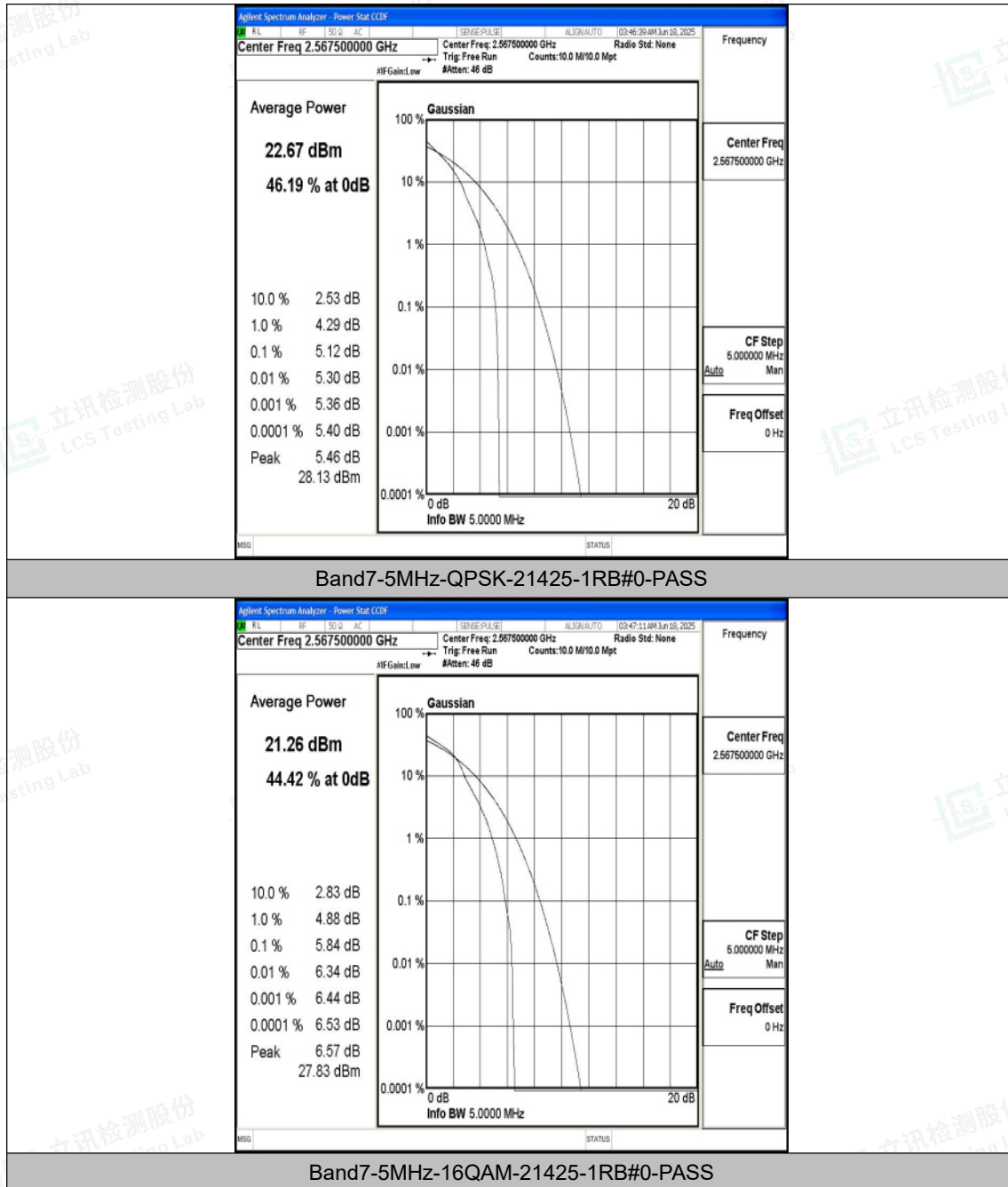


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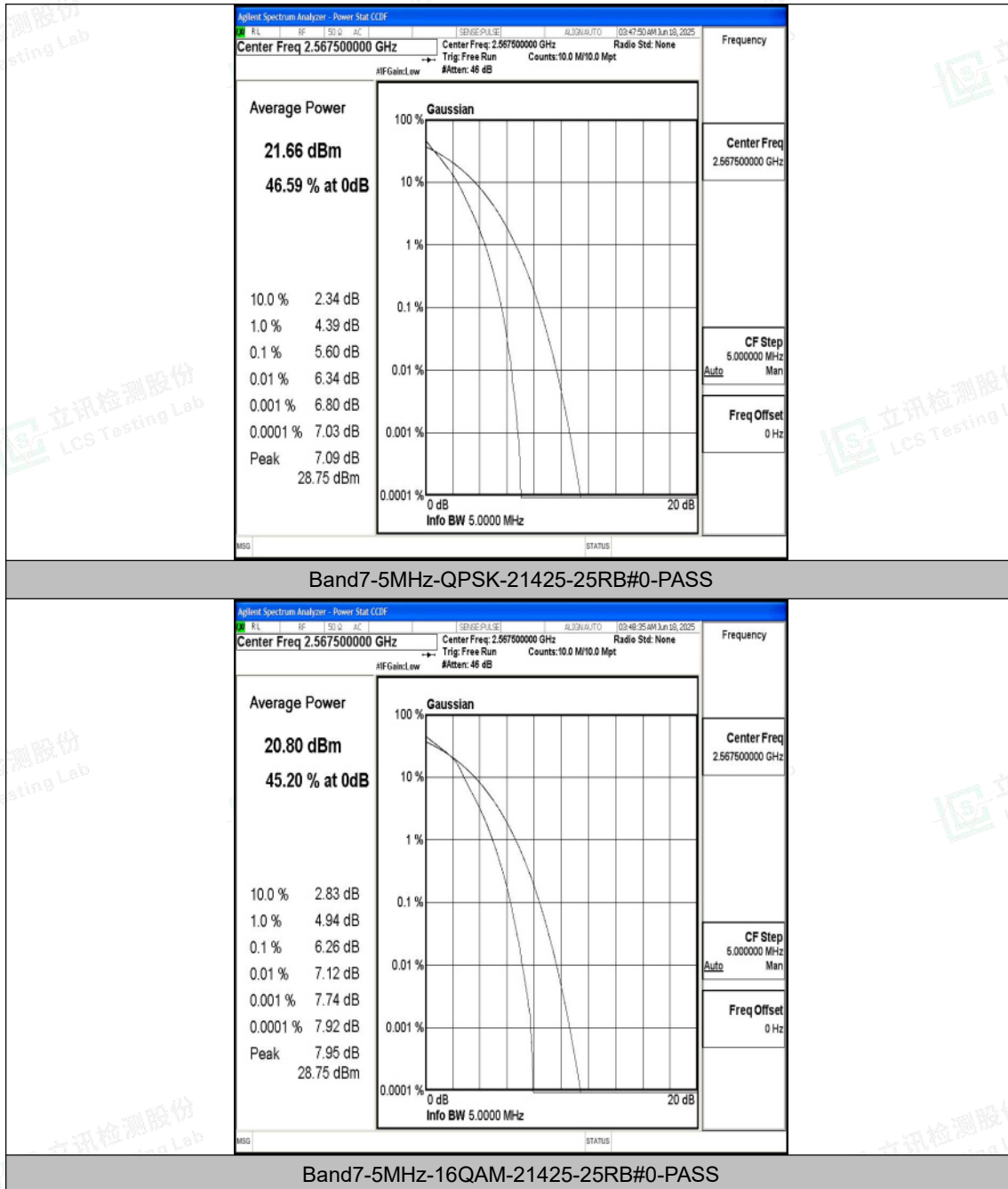


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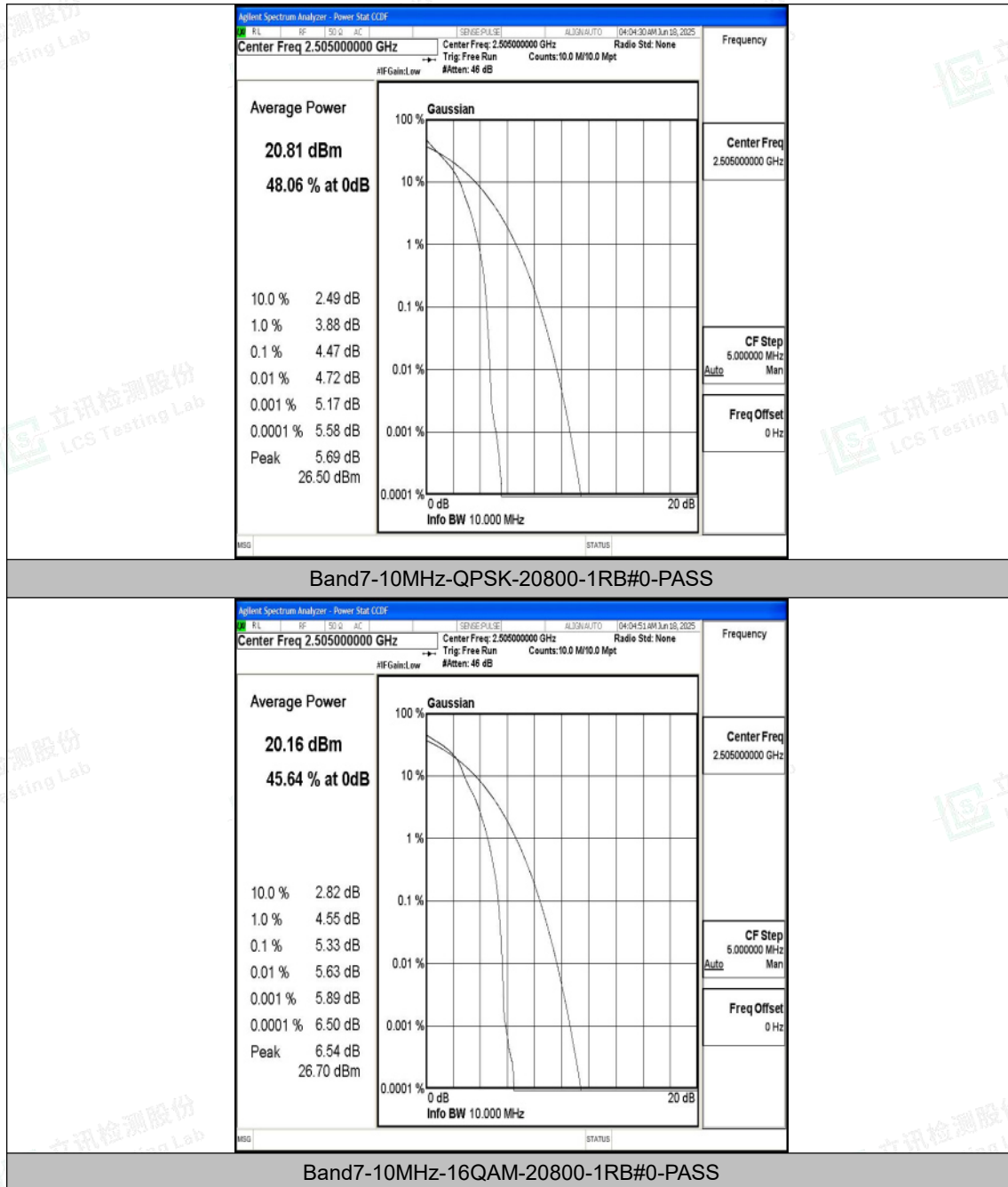


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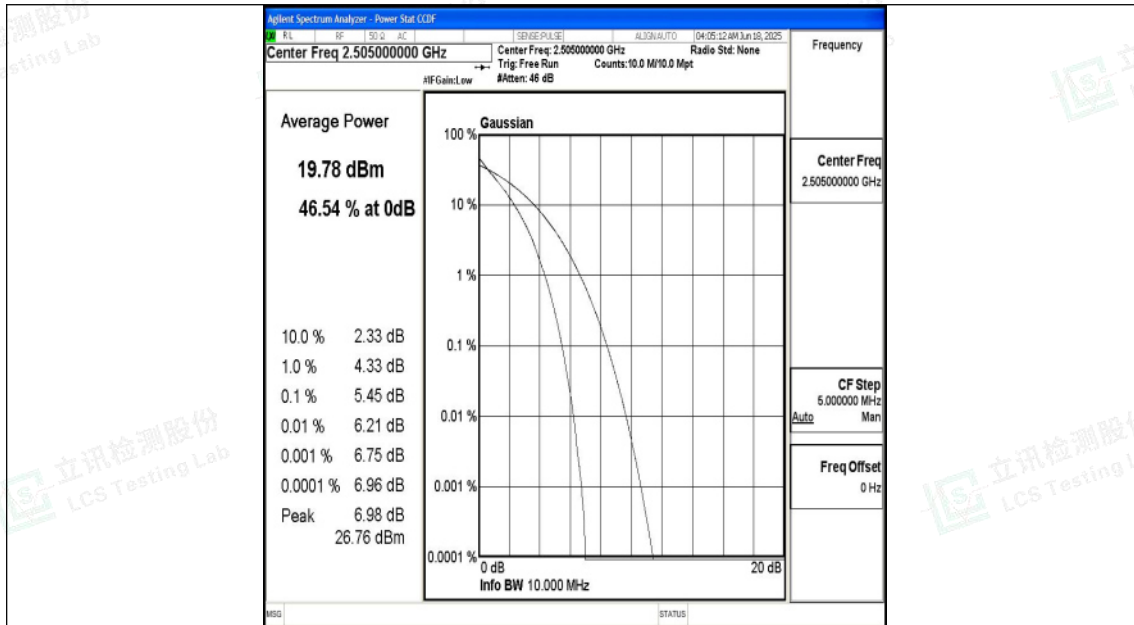


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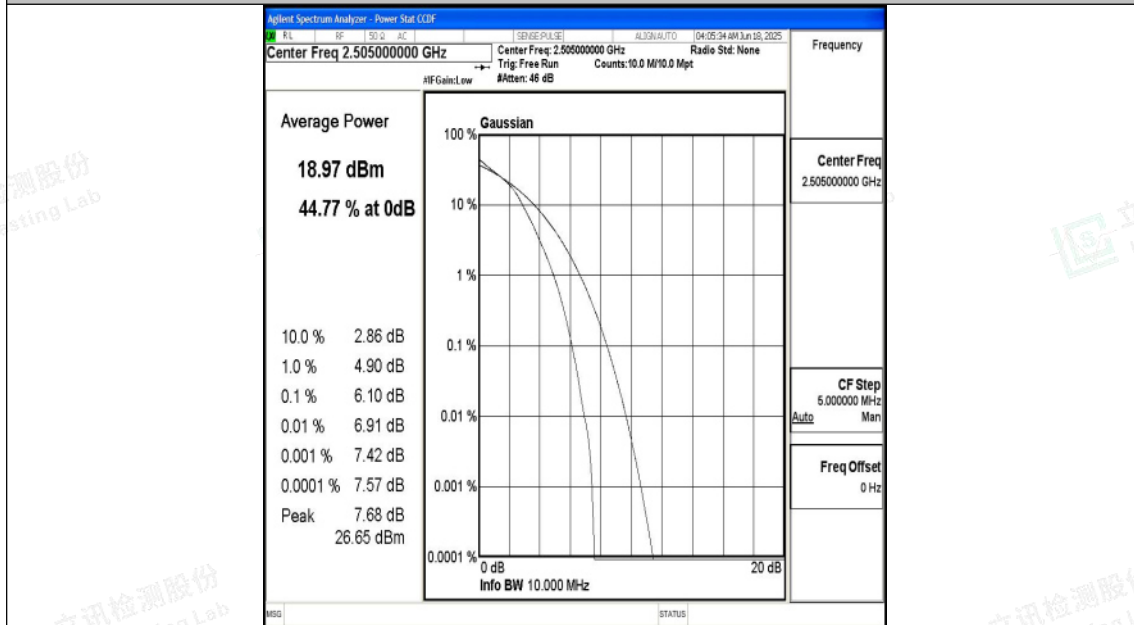
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Band7-10MHz-QPSK-20800-50RB#0-PASS



Band7-10MHz-16QAM-20800-50RB#0-PASS

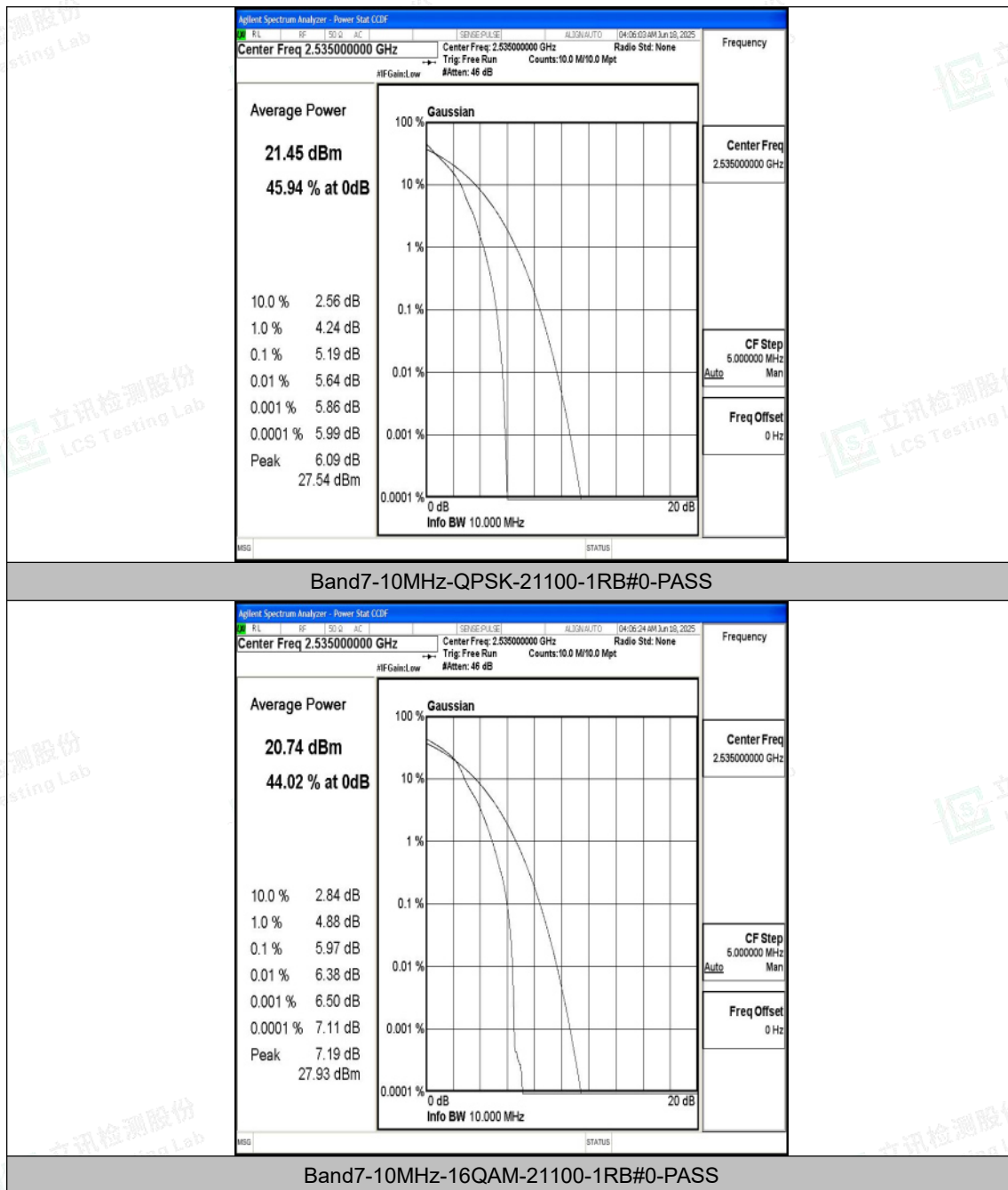


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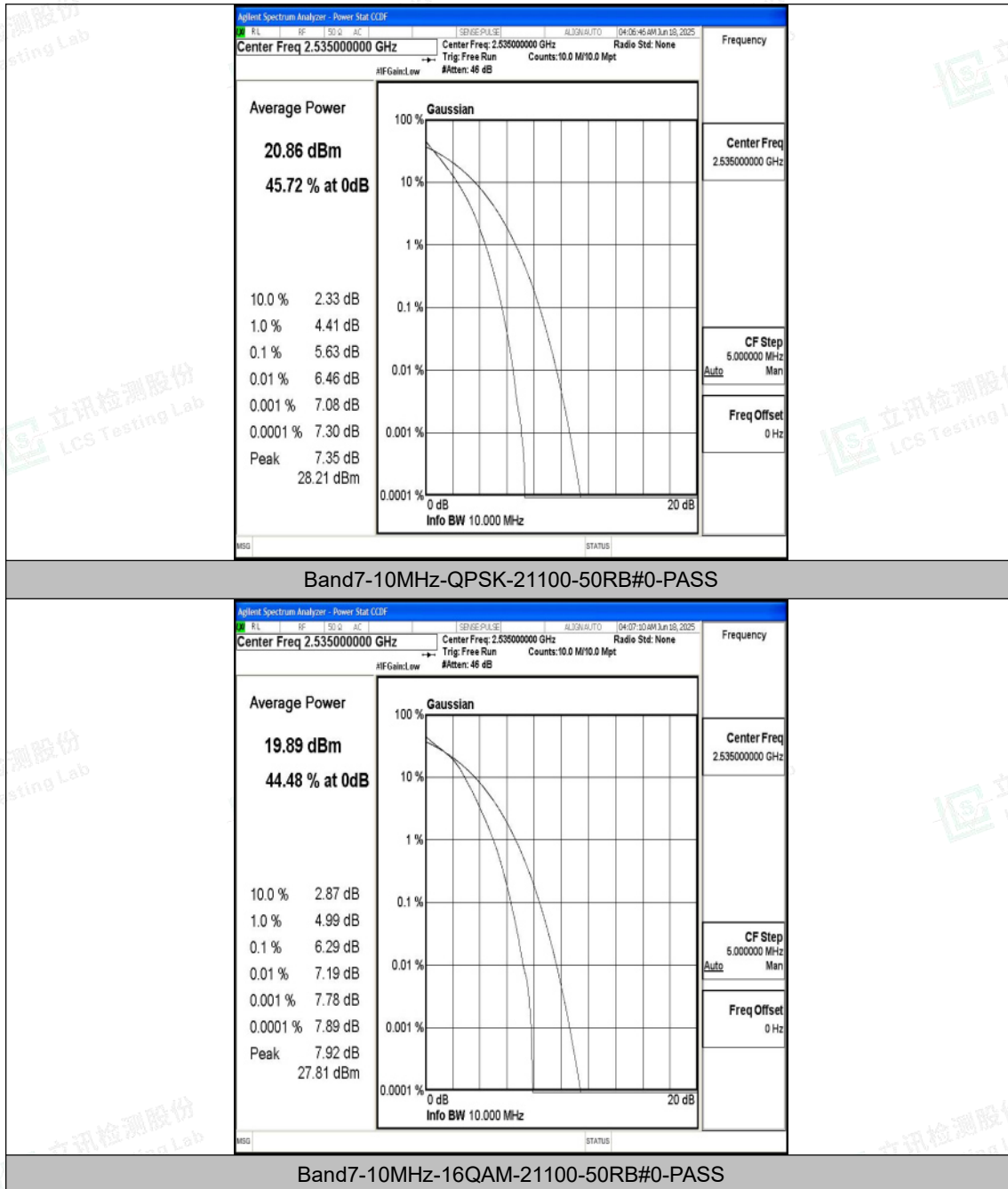


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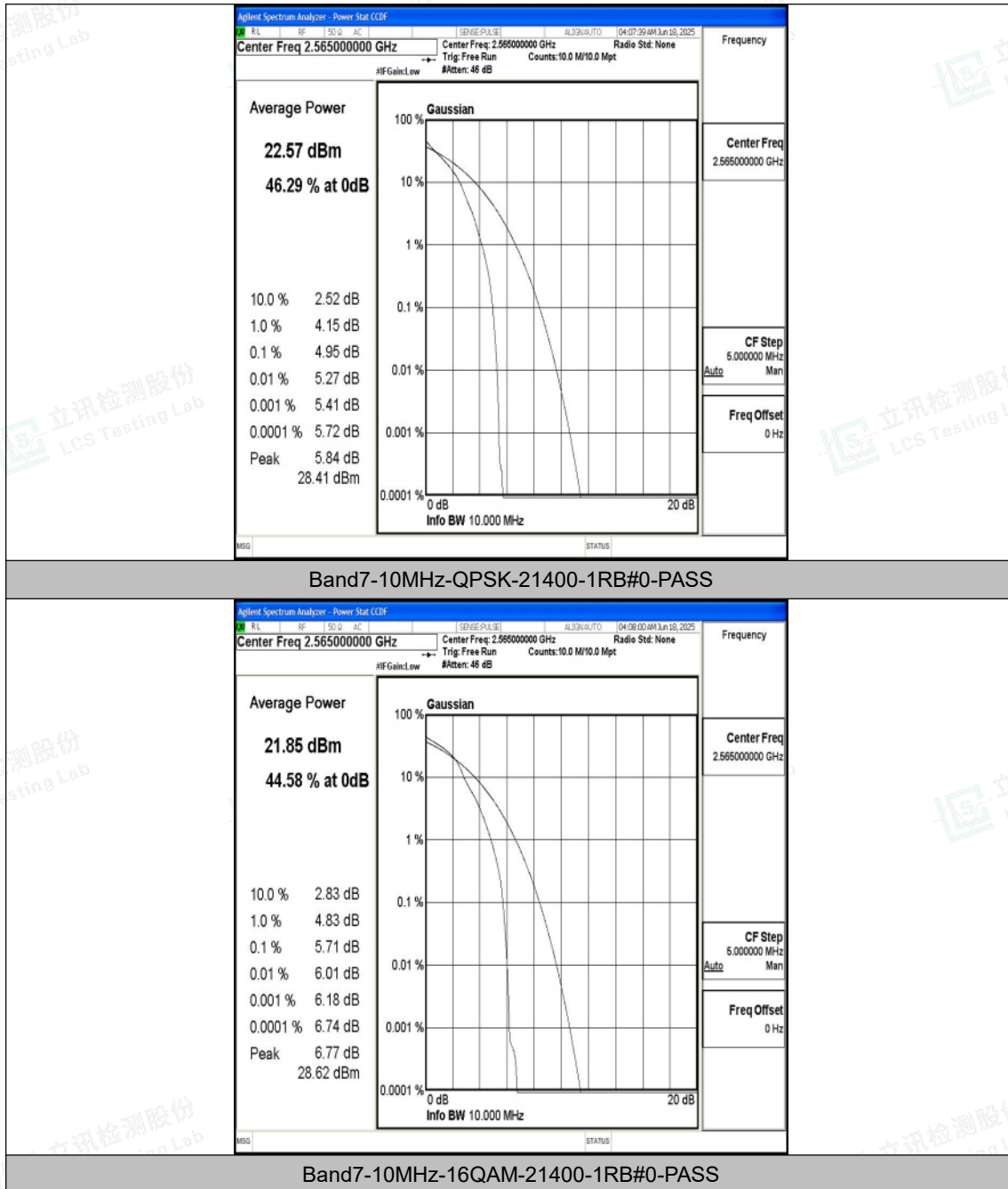


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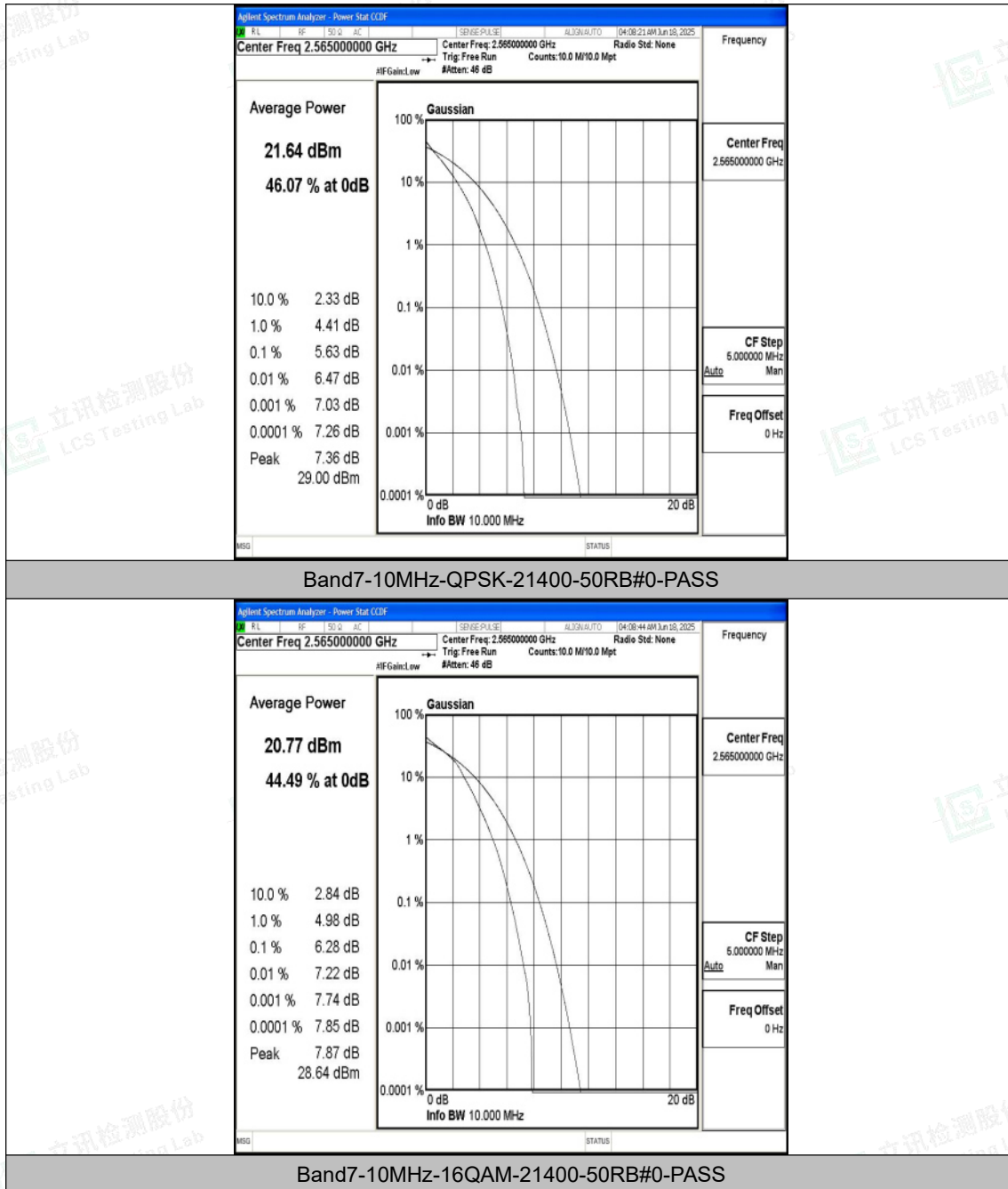


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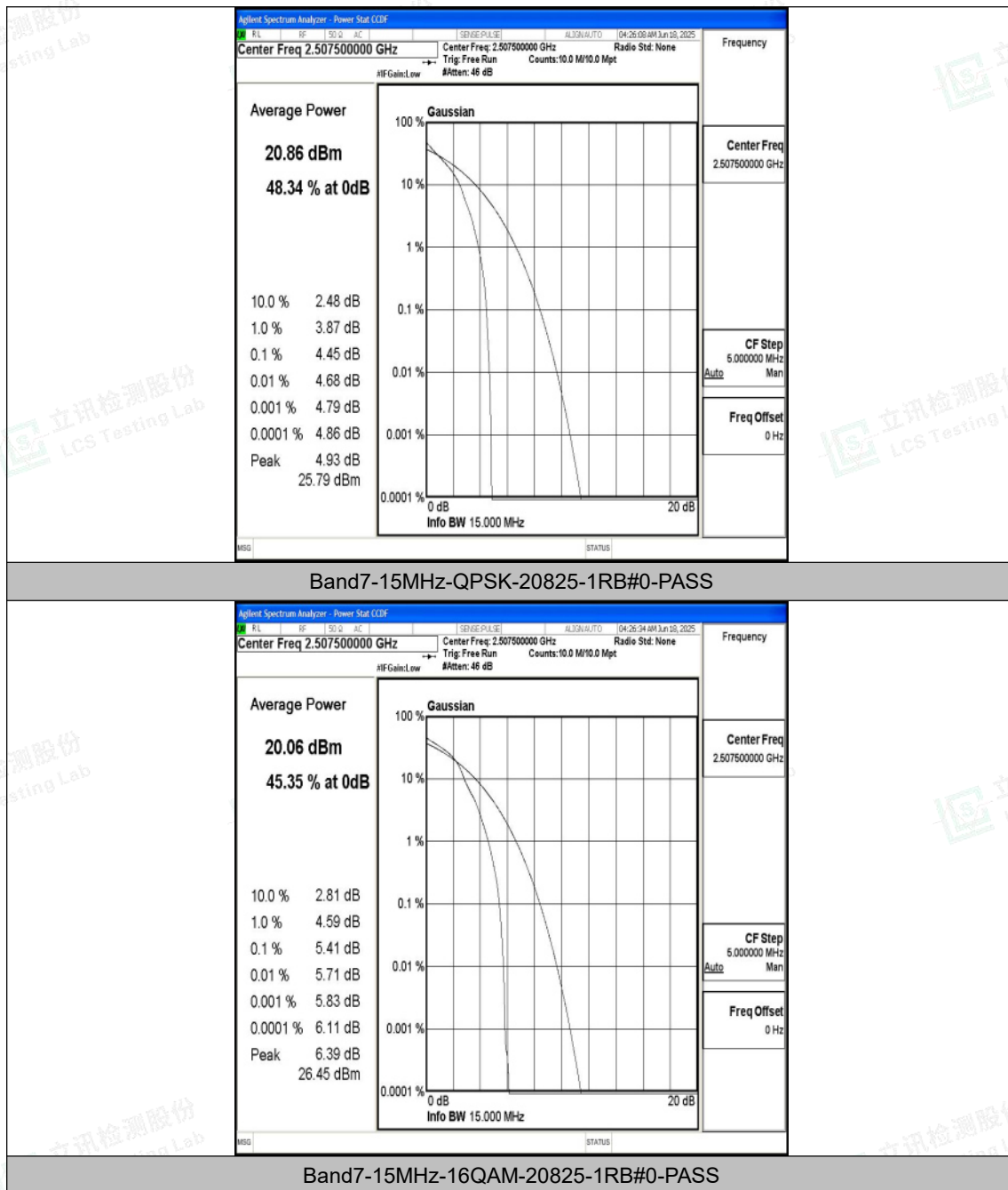


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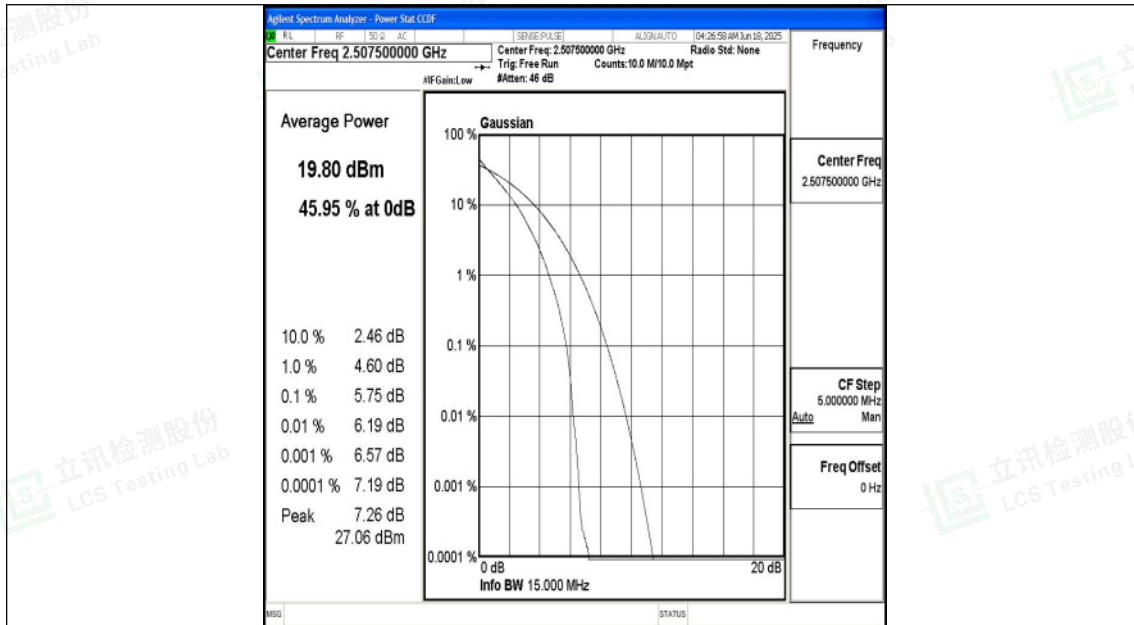


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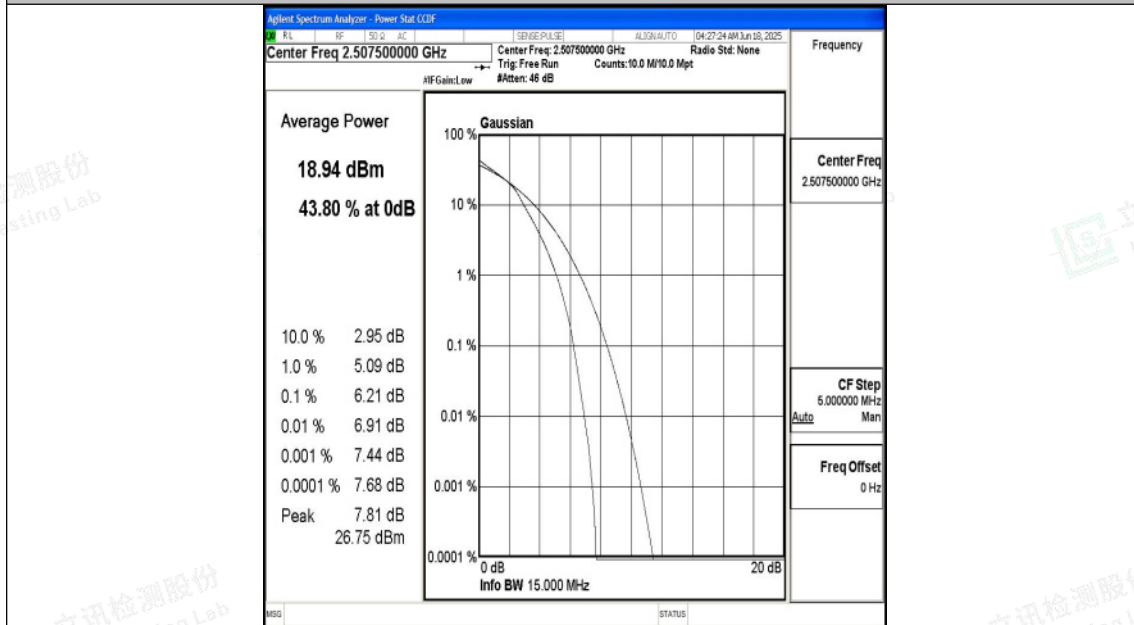
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Band7-15MHz-QPSK-20825-75RB#0-PASS



Band7-15MHz-16QAM-20825-75RB#0-PASS

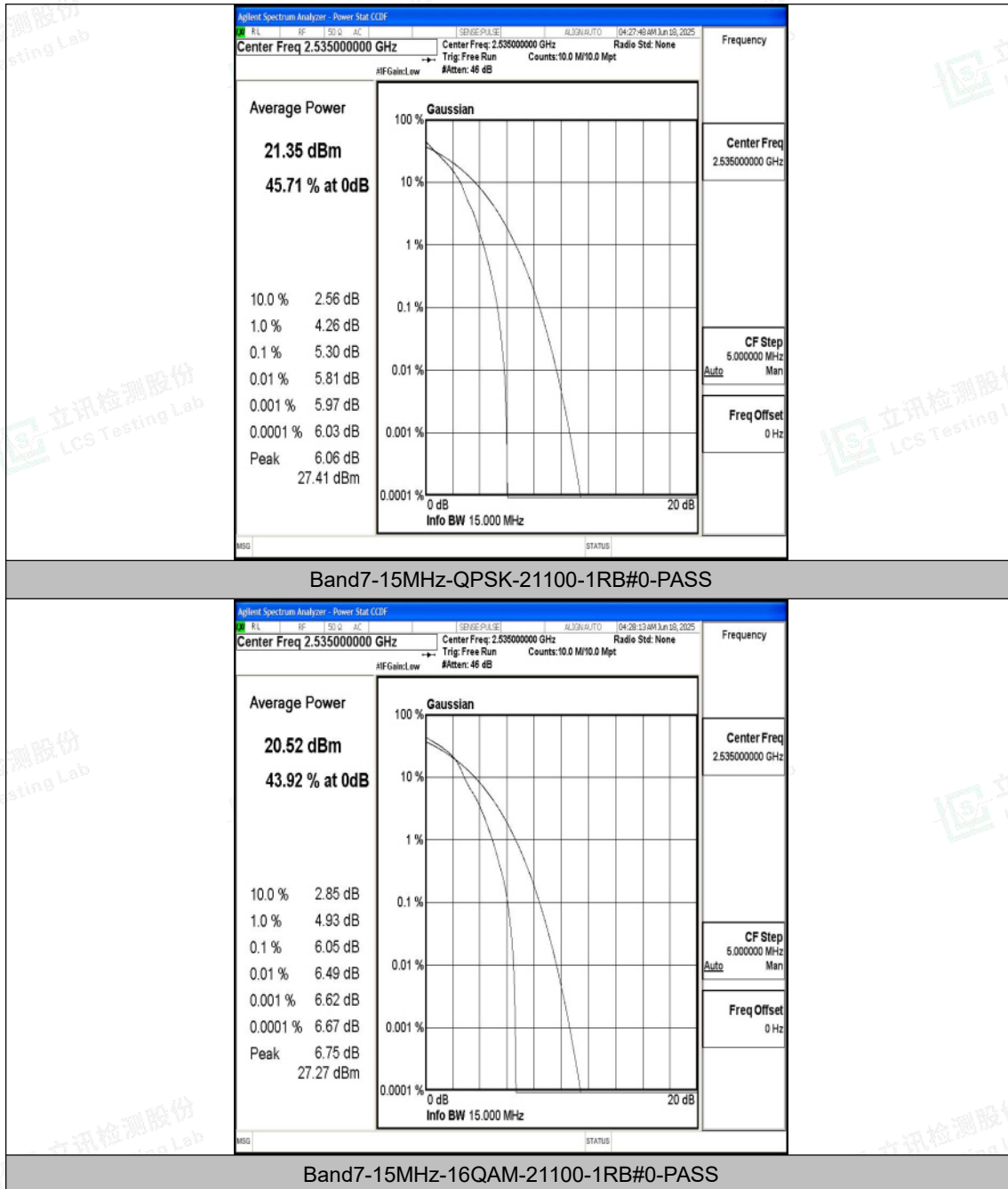


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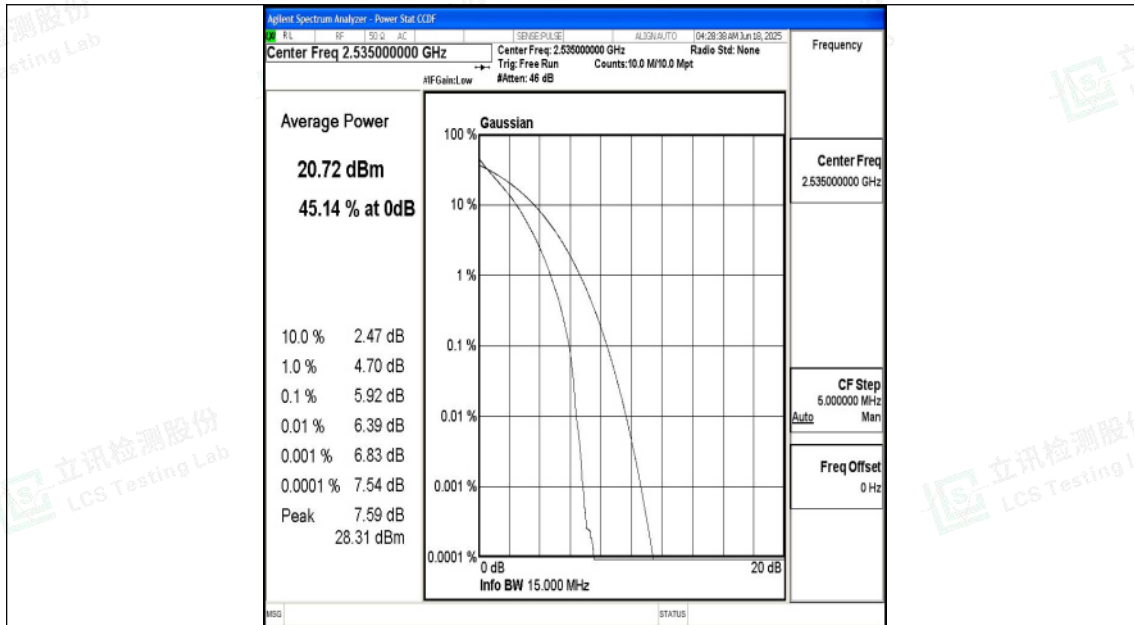


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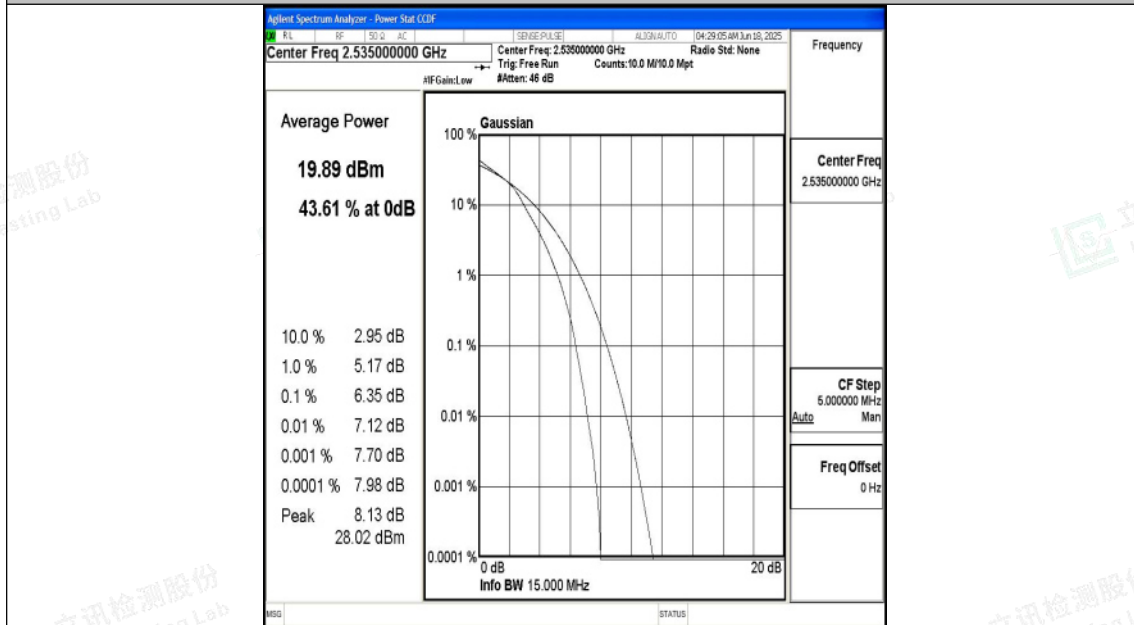
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Band7-15MHz-QPSK-21100-75RB#0-PASS



Band7-15MHz-16QAM-21100-75RB#0-PASS

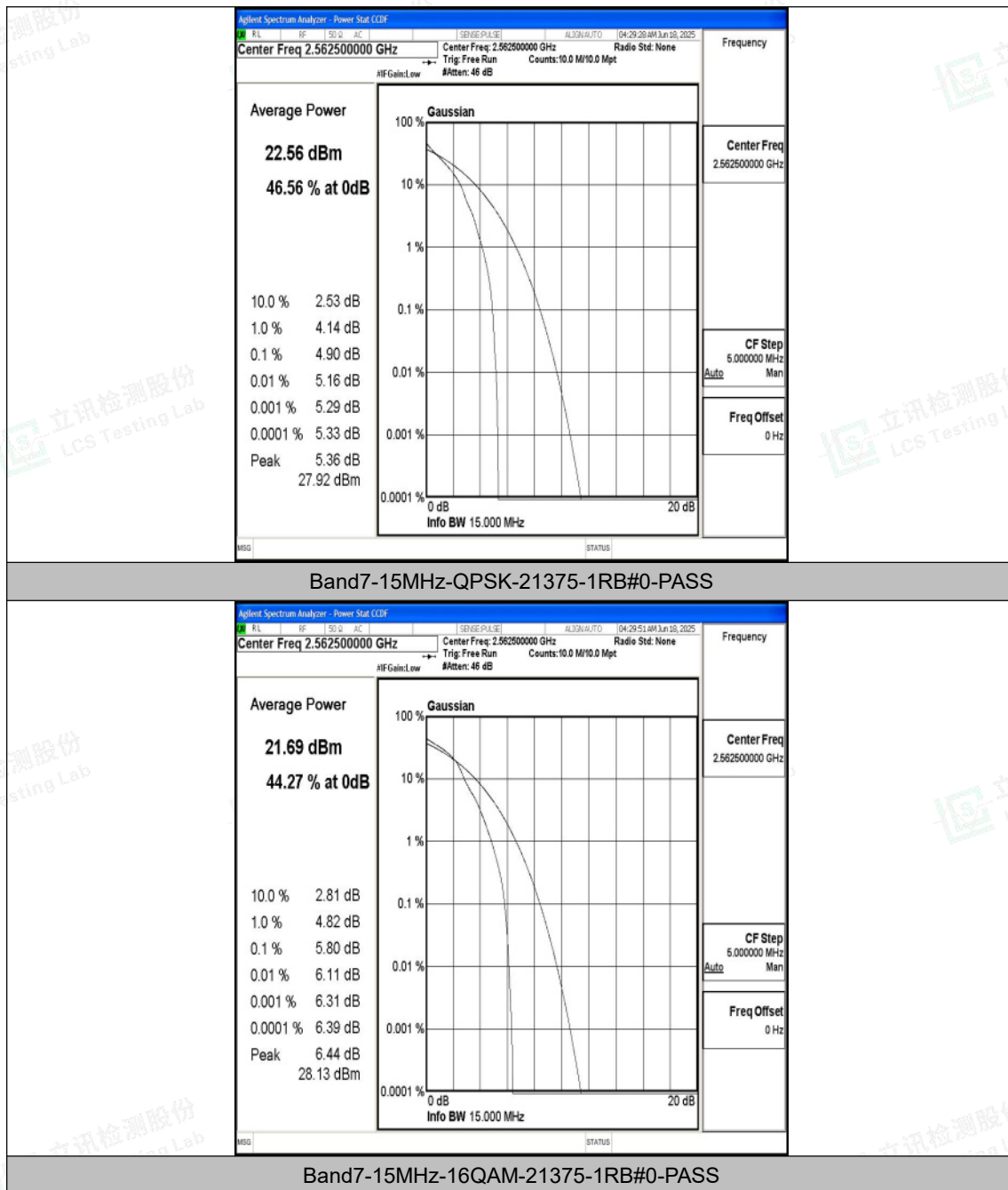


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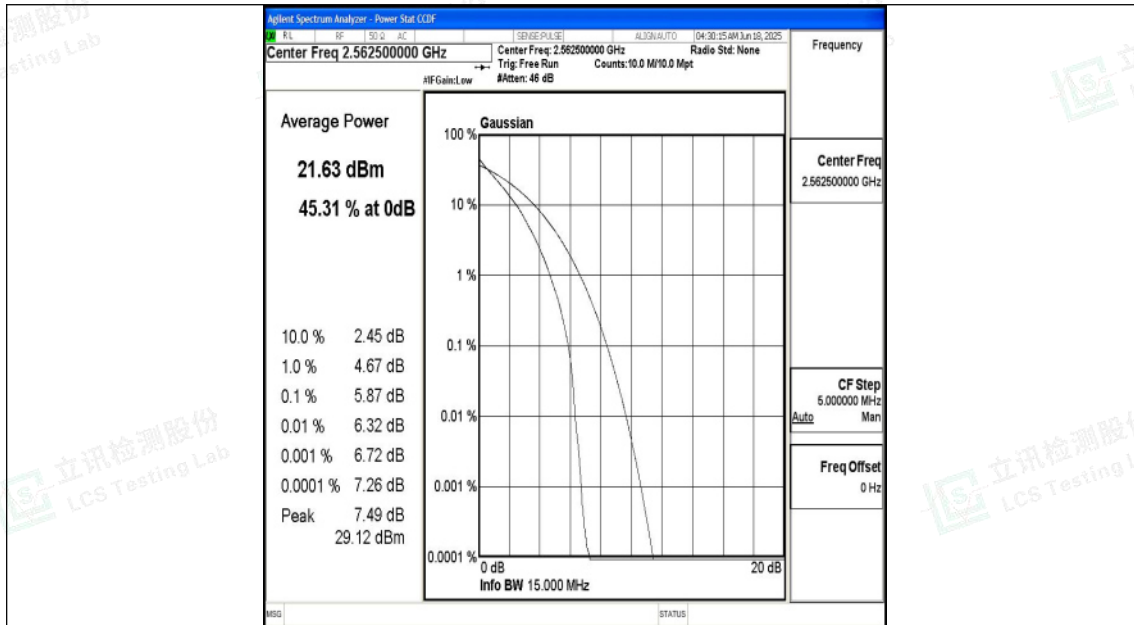


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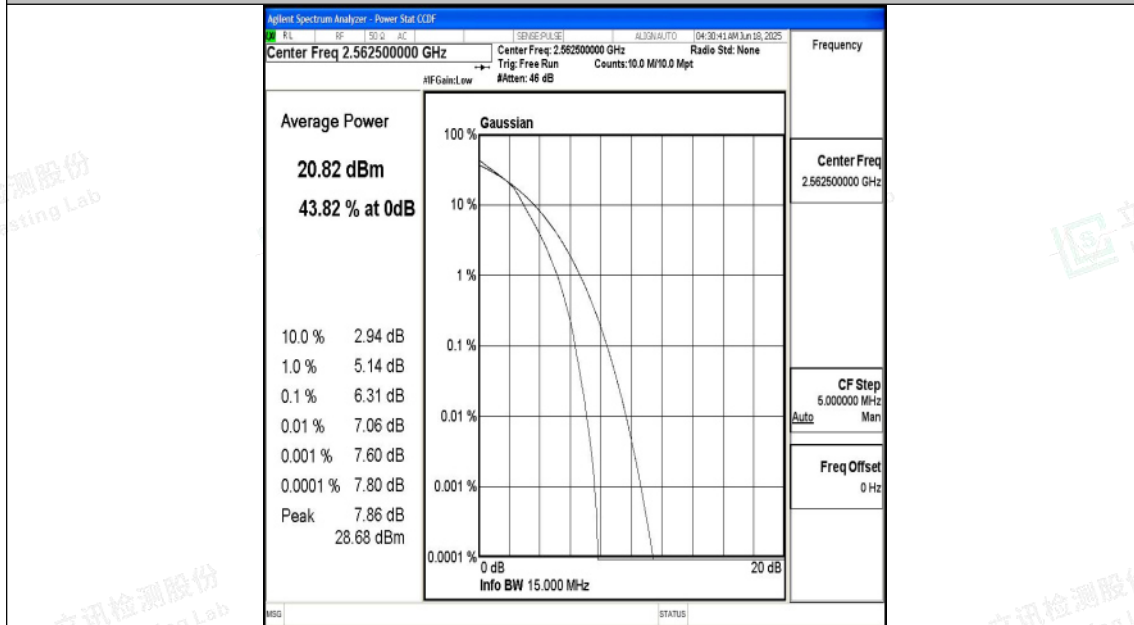
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Band7-15MHz-QPSK-21375-75RB#0-PASS



Band7-15MHz-16QAM-21375-75RB#0-PASS

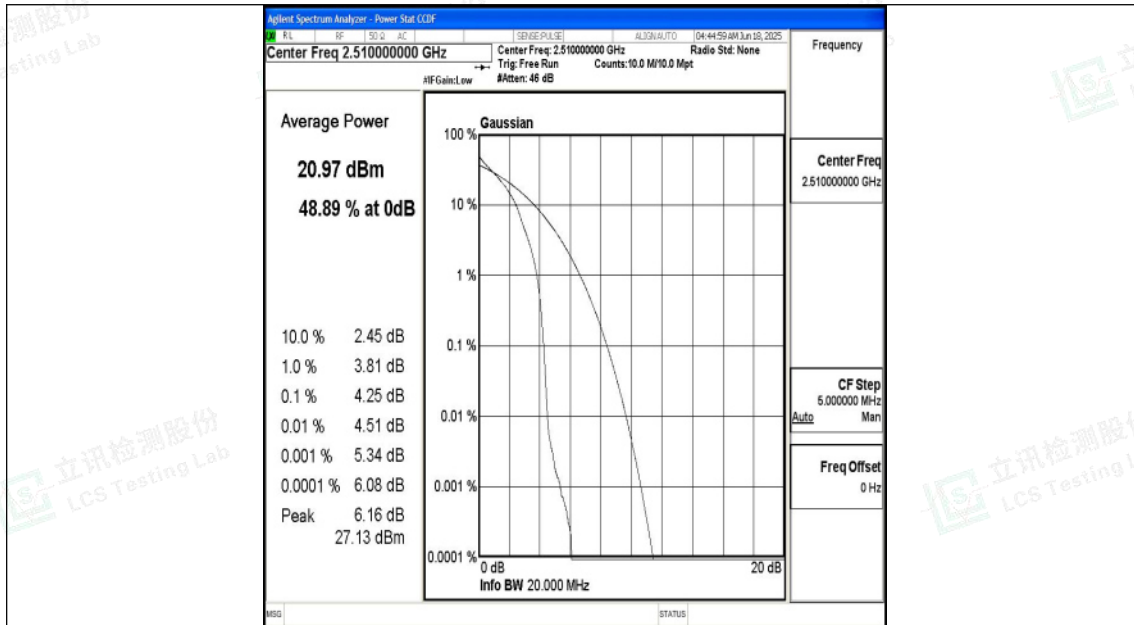


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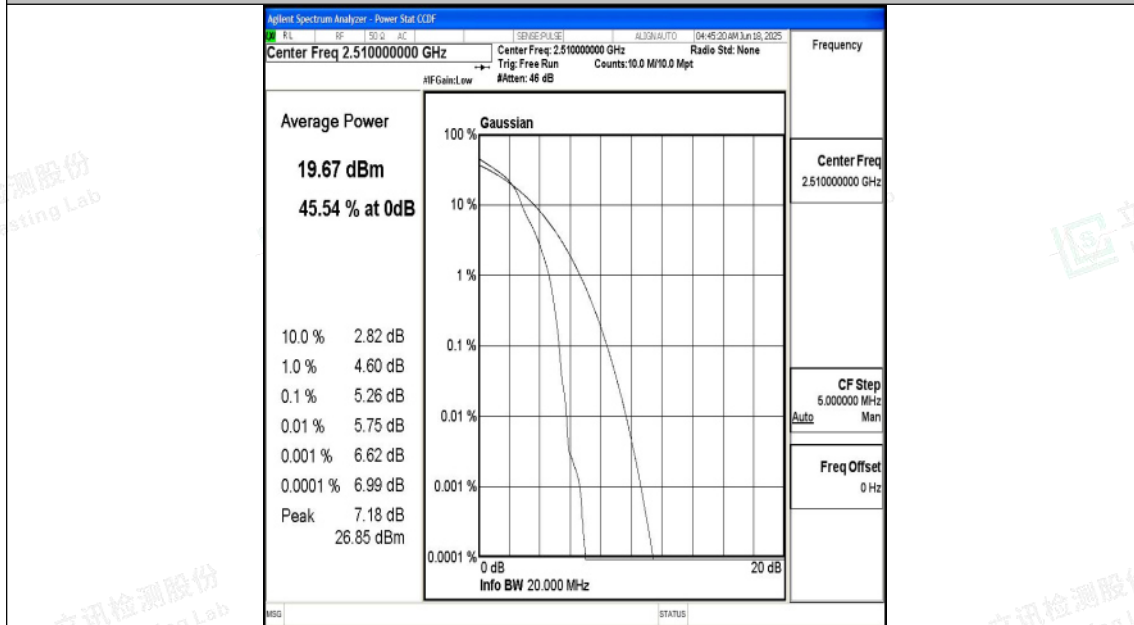
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Band7-20MHz-QPSK-20850-1RB#0-PASS



Band7-20MHz-16QAM-20850-1RB#0-PASS

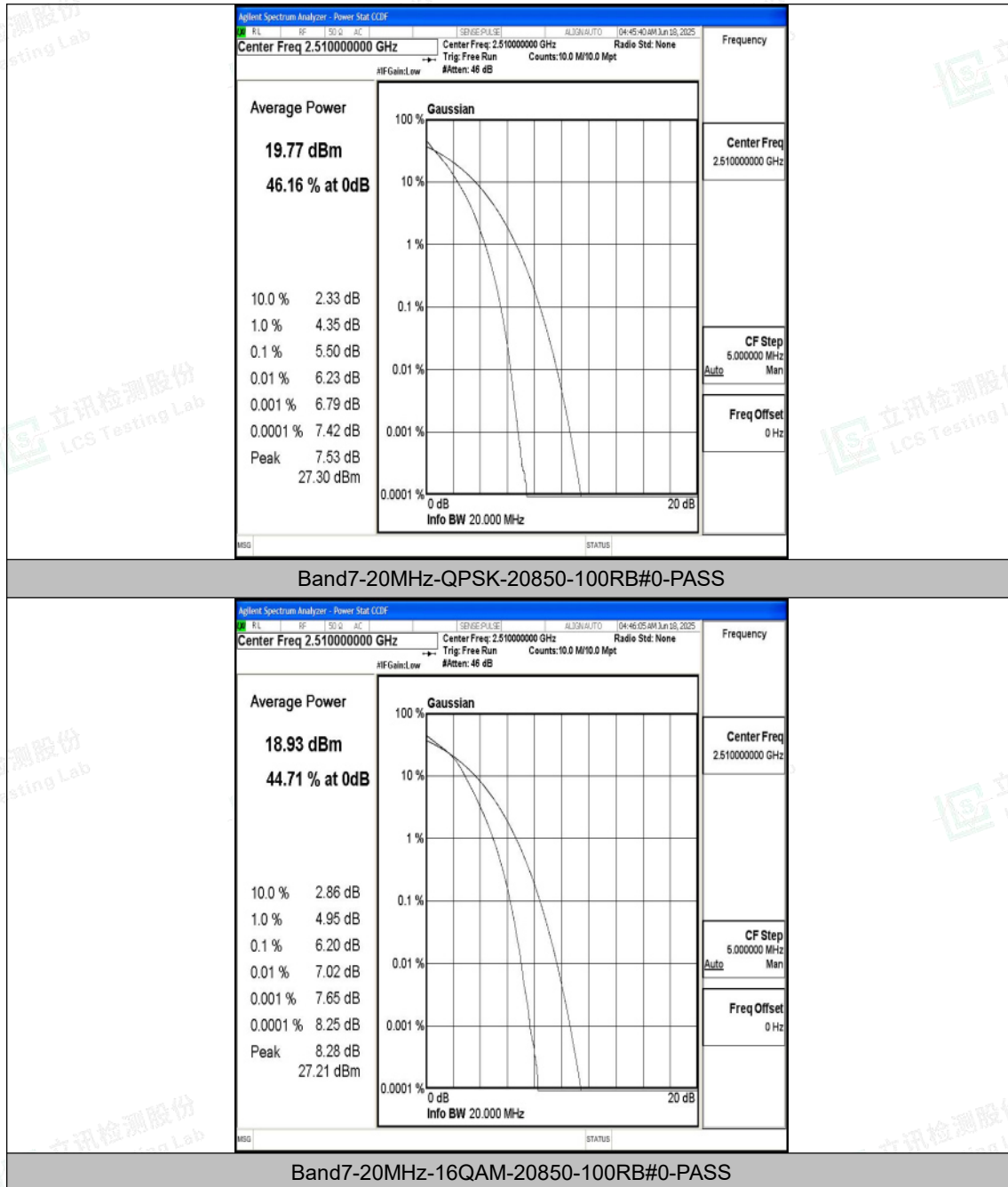


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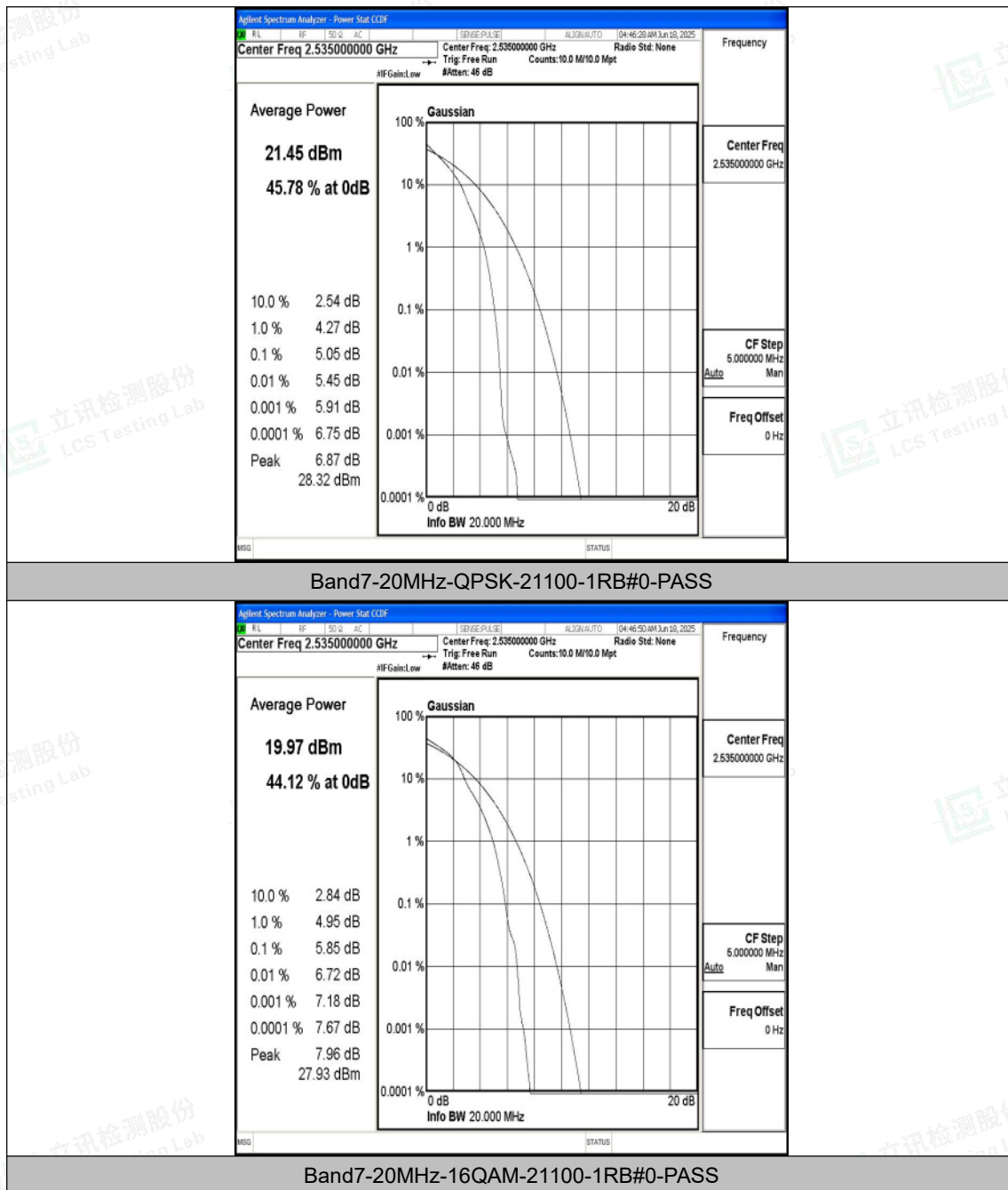


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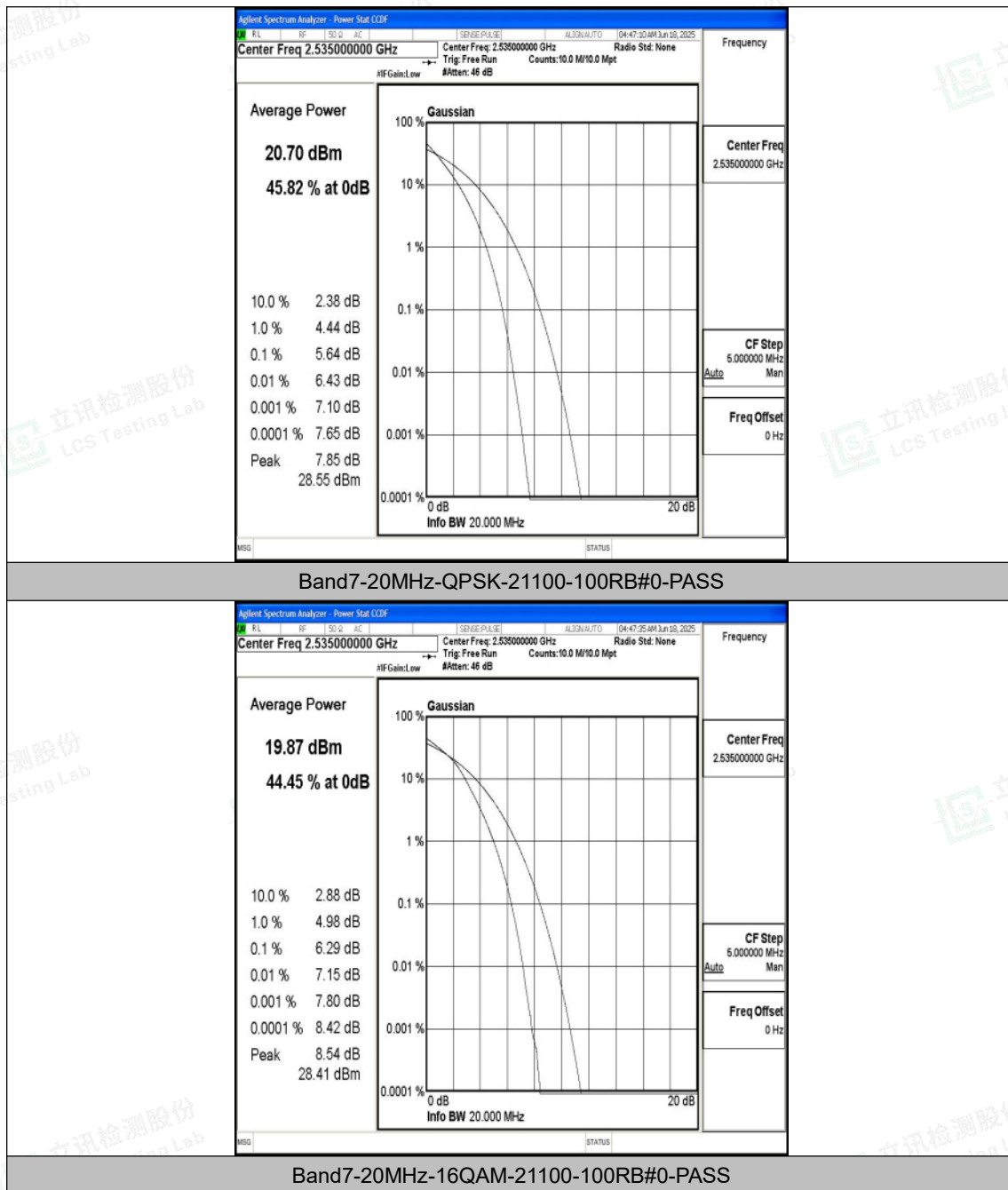


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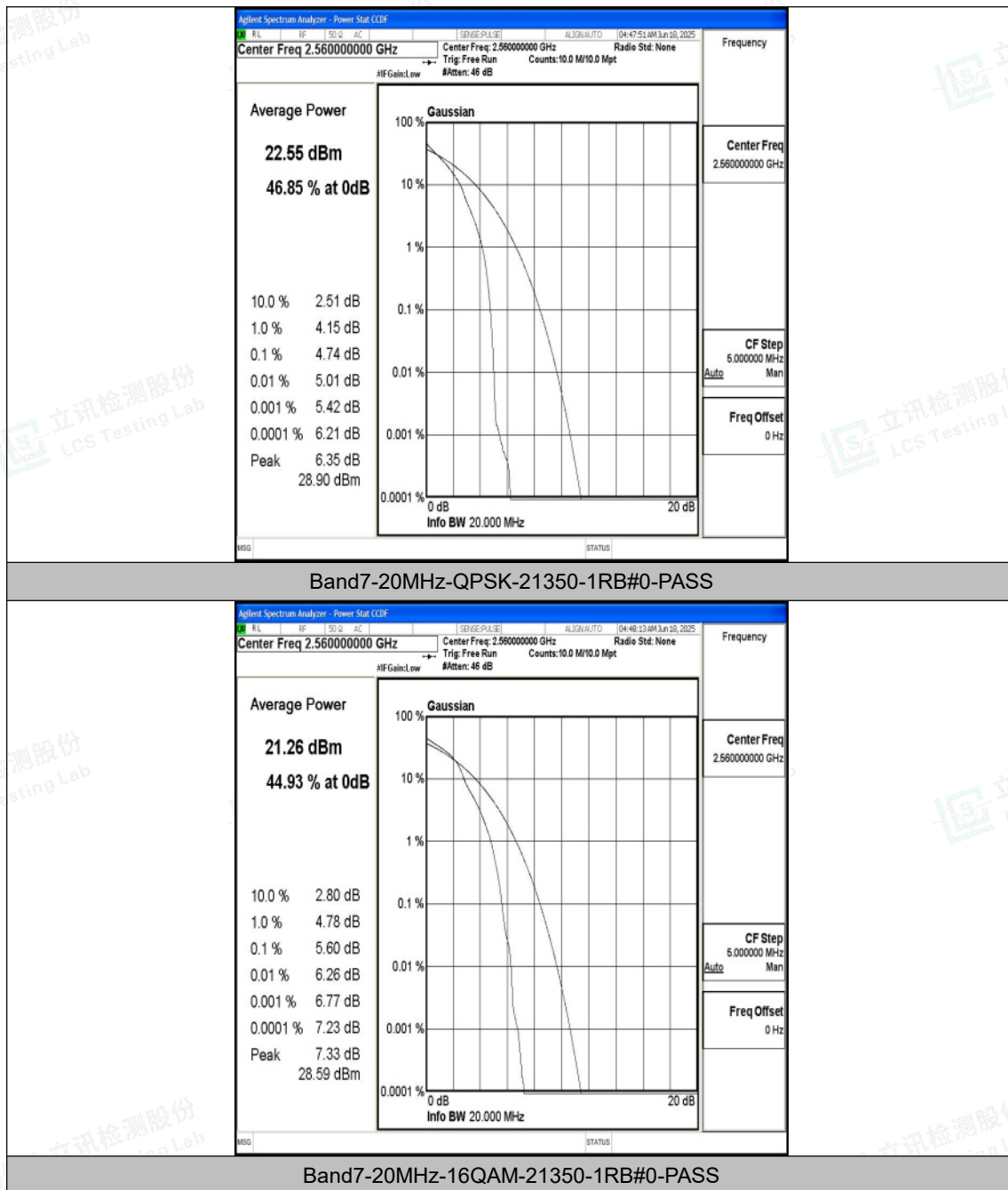


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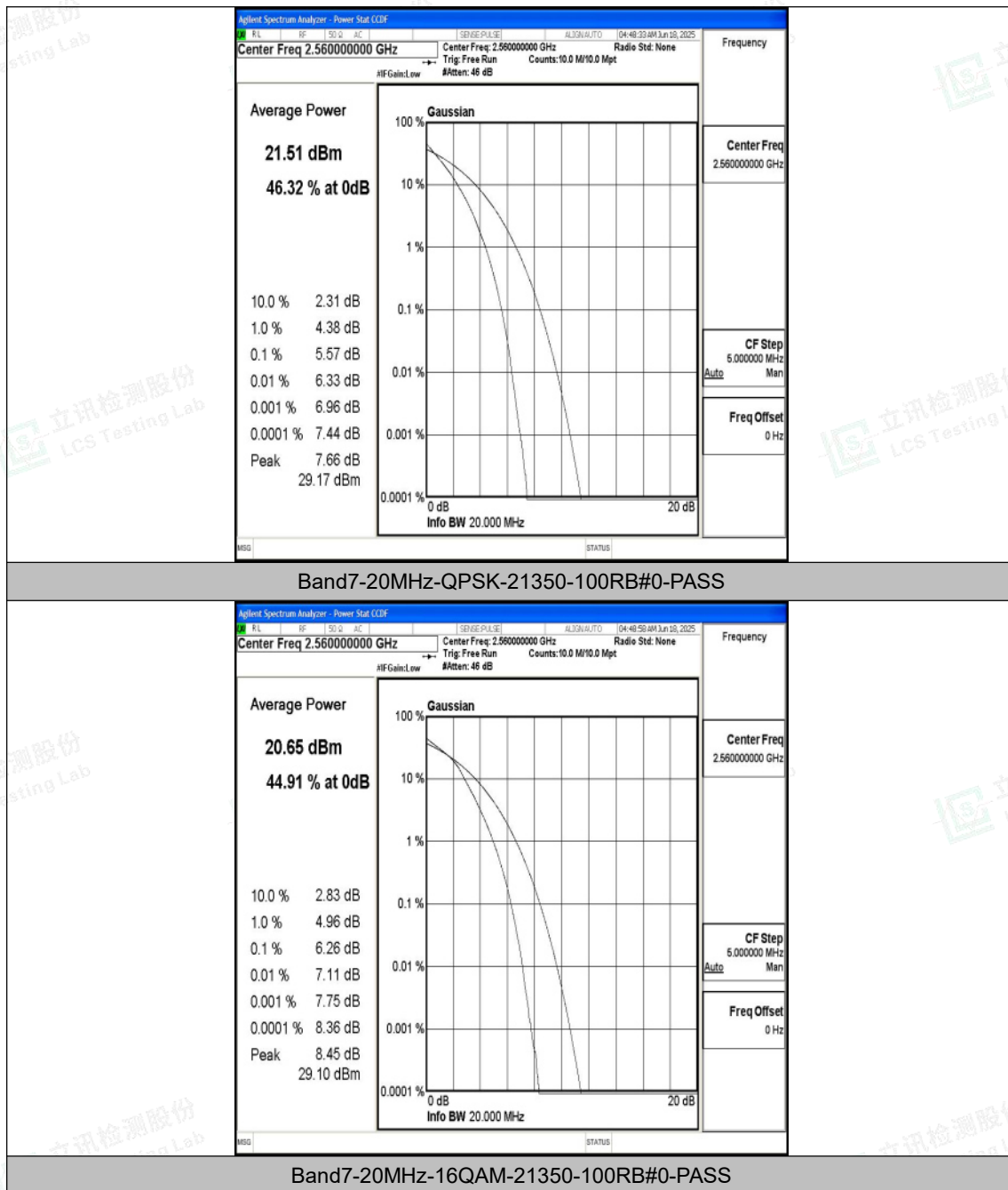


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E.3 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	4.5186	5.416	PASS
Band7	5MHz	16QAM	20775	25RB#0	4.5200	5.355	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.5294	5.341	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.5186	5.258	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.5202	5.433	PASS
Band7	5MHz	16QAM	21425	25RB#0	4.5330	5.375	PASS
Band7	10MHz	QPSK	20800	50RB#0	9.0109	9.918	PASS
Band7	10MHz	16QAM	20800	50RB#0	8.9956	9.869	PASS
Band7	10MHz	QPSK	21100	50RB#0	8.9847	9.917	PASS
Band7	10MHz	16QAM	21100	50RB#0	8.9943	9.896	PASS
Band7	10MHz	QPSK	21400	50RB#0	9.0045	9.921	PASS
Band7	10MHz	16QAM	21400	50RB#0	8.9902	9.919	PASS
Band7	15MHz	QPSK	20825	75RB#0	13.504	14.95	PASS
Band7	15MHz	16QAM	20825	75RB#0	13.505	14.97	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.505	14.99	PASS
Band7	15MHz	16QAM	21100	75RB#0	13.498	14.94	PASS
Band7	15MHz	QPSK	21375	75RB#0	13.512	14.89	PASS
Band7	15MHz	16QAM	21375	75RB#0	13.491	14.99	PASS
Band7	20MHz	QPSK	20850	100RB#0	18.001	19.71	PASS
Band7	20MHz	16QAM	20850	100RB#0	17.935	19.79	PASS
Band7	20MHz	QPSK	21100	100RB#0	18.008	19.69	PASS
Band7	20MHz	16QAM	21100	100RB#0	17.968	19.74	PASS
Band7	20MHz	QPSK	21350	100RB#0	18.037	19.83	PASS
Band7	20MHz	16QAM	21350	100RB#0	17.954	19.85	PASS



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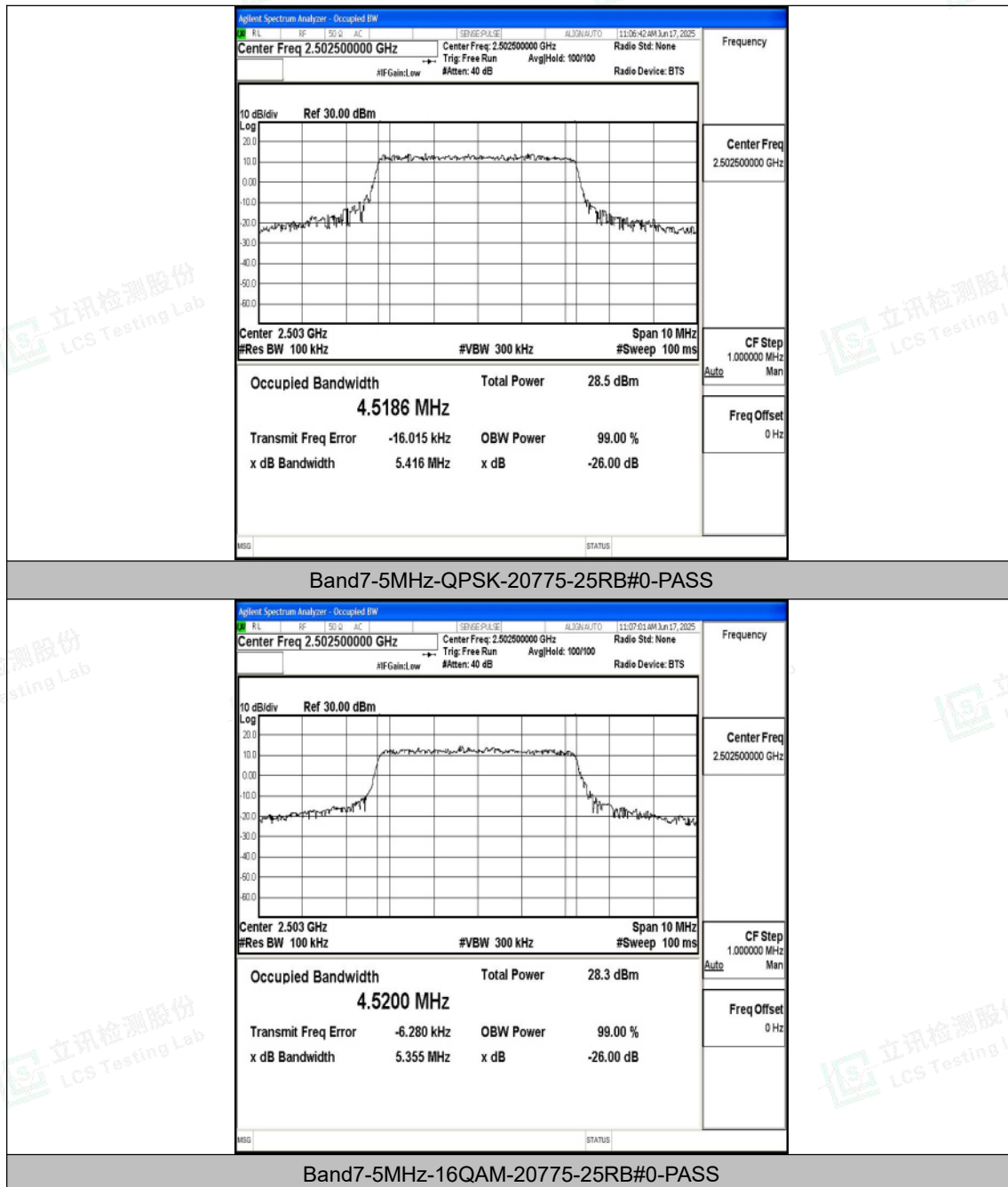
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Test Graphs

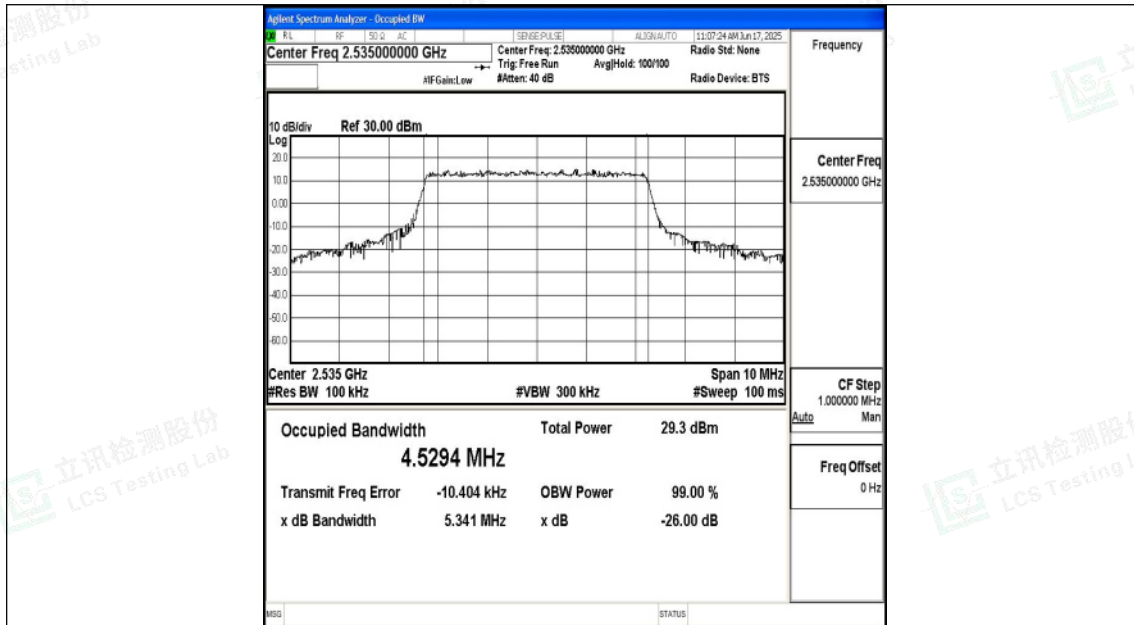


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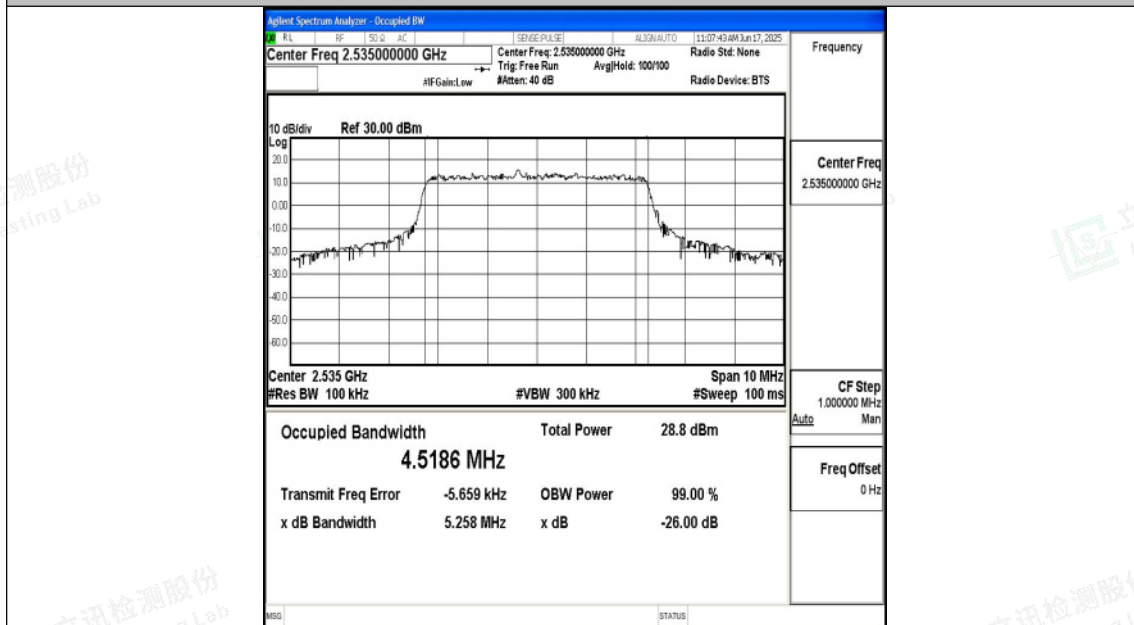
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Band7-5MHz-QPSK-21100-25RB#0-PASS



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

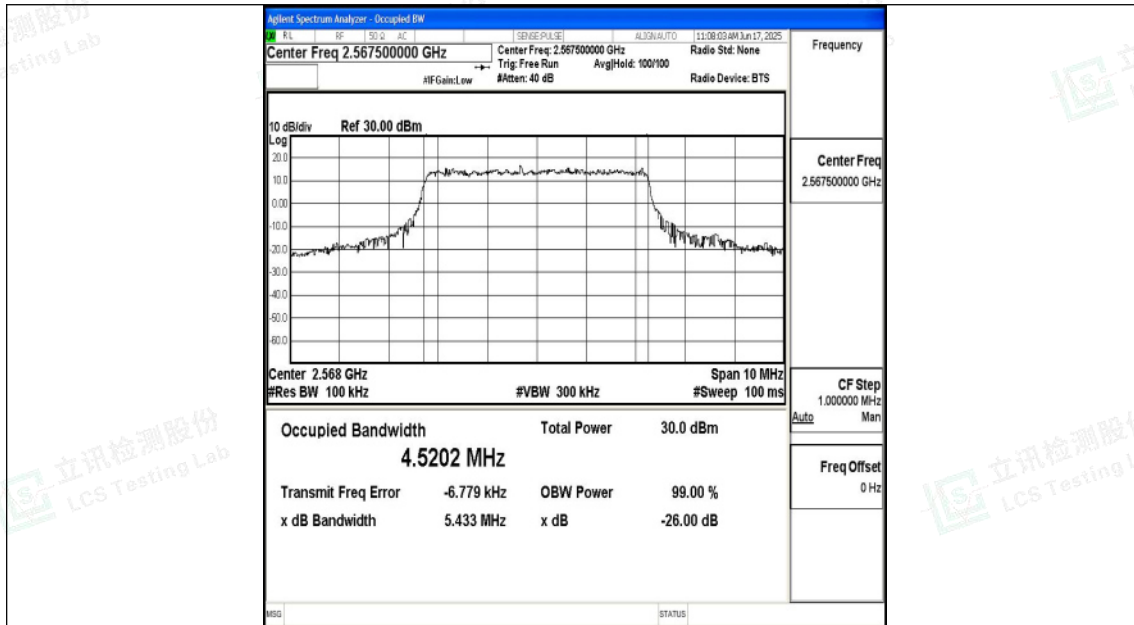


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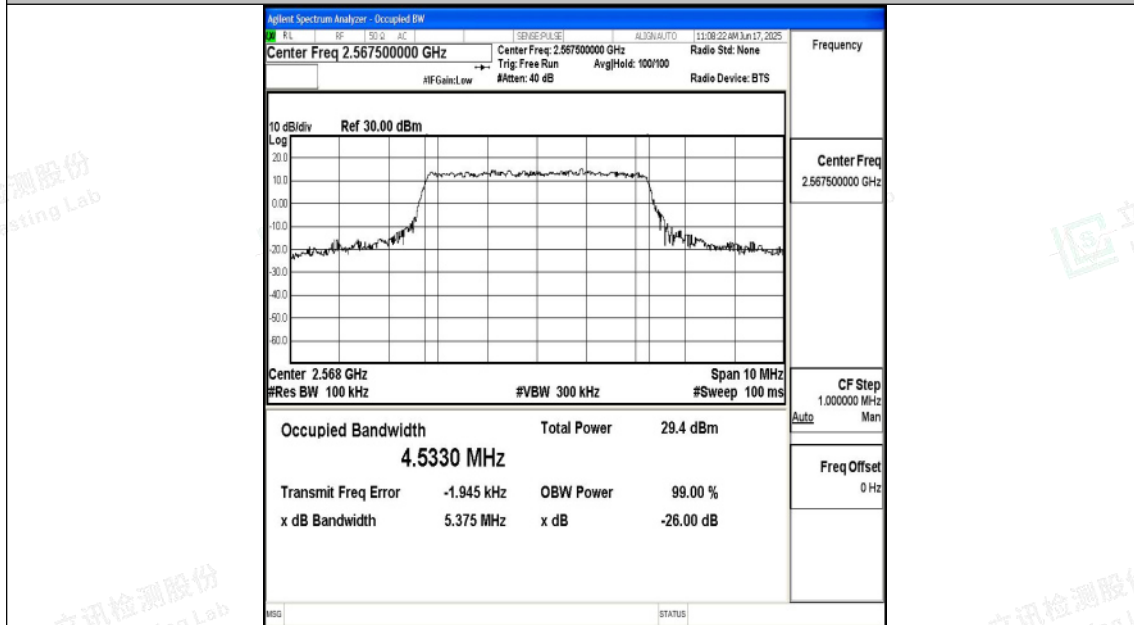
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Band7-5MHz-QPSK-21425-25RB#0-PASS



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

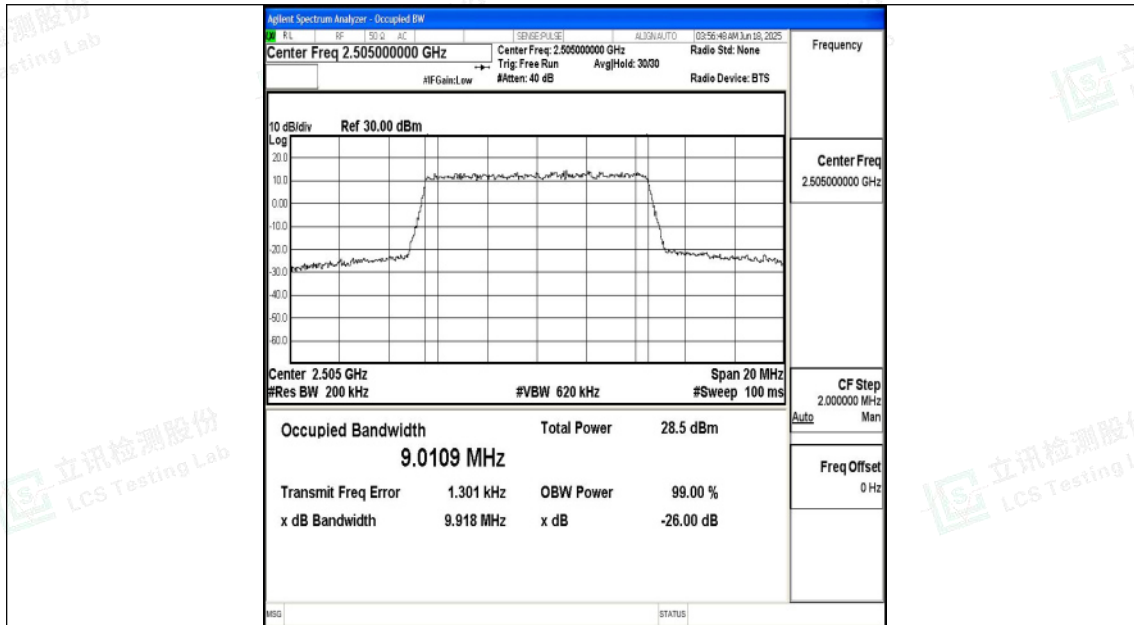


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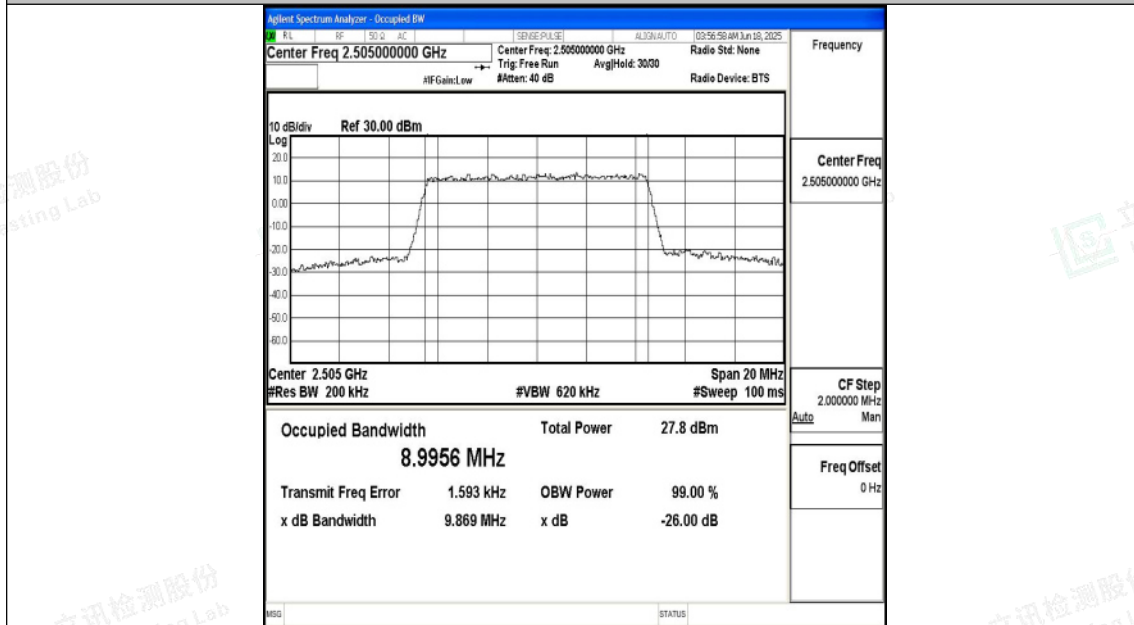
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Band7-10MHz-16QAM-20800-50RB#0-PASS

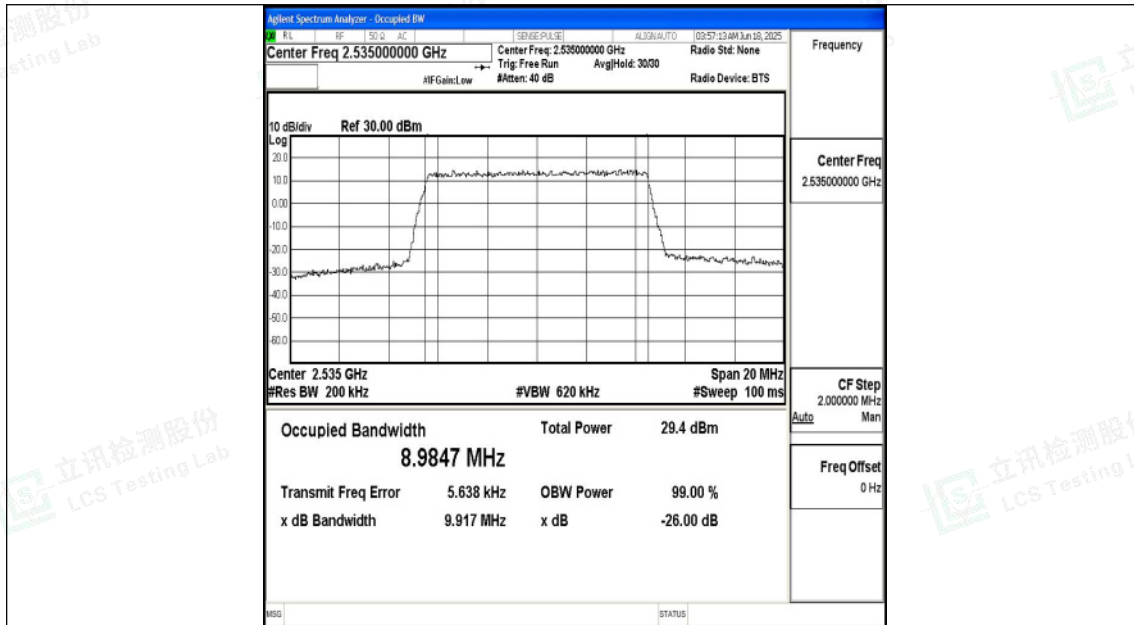


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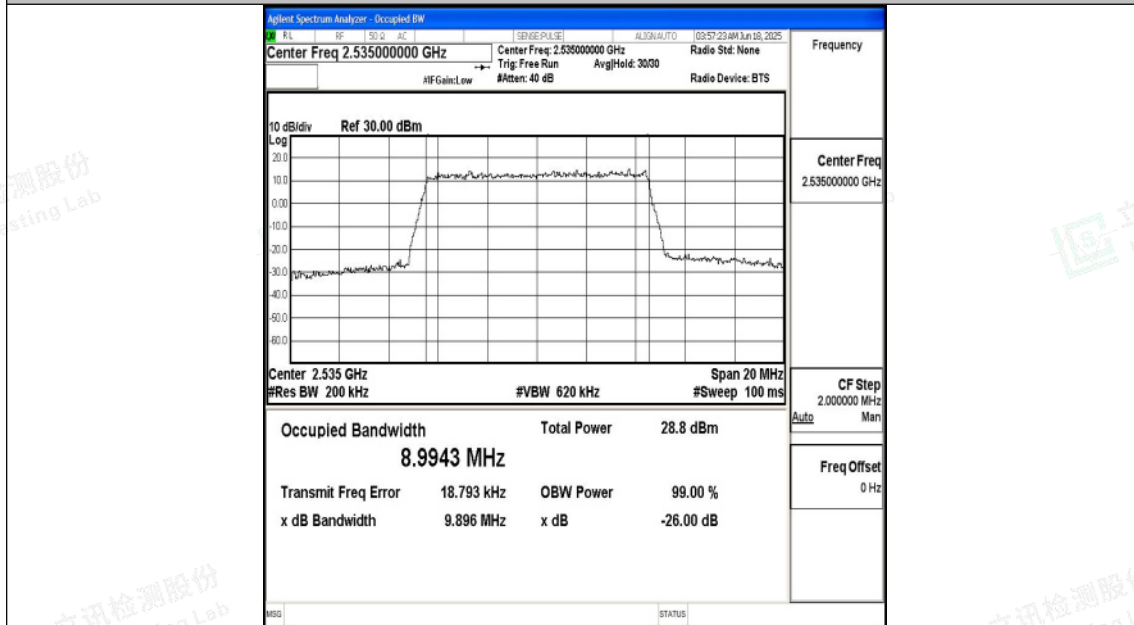
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