



Appendix G: Test Data for E-UTRA Band 41

Product Name: Android Box

Test Model: ARK01

Environmental Conditions

Temperature:	24.5°C
Relative Humidity:	52.8%
ATM Pressure:	100.0 kPa
Test Engineer:	Jay Luo
Supervised by:	Paddi Chen



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G.1 Conducted Output Power Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band41	5MHz	QPSK	39675	1RB#0	23.35	PASS
Band41	5MHz	16QAM	39675	1RB#0	23.02	PASS
Band41	5MHz	QPSK	39675	1RB#12	23.53	PASS
Band41	5MHz	16QAM	39675	1RB#12	23.38	PASS
Band41	5MHz	QPSK	39675	1RB#24	23.32	PASS
Band41	5MHz	16QAM	39675	1RB#24	23.01	PASS
Band41	5MHz	QPSK	39675	12RB#0	22.61	PASS
Band41	5MHz	16QAM	39675	12RB#0	21.99	PASS
Band41	5MHz	QPSK	39675	12RB#6	22.37	PASS
Band41	5MHz	16QAM	39675	12RB#6	21.65	PASS
Band41	5MHz	QPSK	39675	12RB#13	22.31	PASS
Band41	5MHz	16QAM	39675	12RB#13	21.59	PASS
Band41	5MHz	QPSK	39675	25RB#0	22.37	PASS
Band41	5MHz	16QAM	39675	25RB#0	21.73	PASS
Band41	5MHz	QPSK	40620	1RB#0	23.88	PASS
Band41	5MHz	16QAM	40620	1RB#0	23.78	PASS
Band41	5MHz	QPSK	40620	1RB#12	23.91	PASS
Band41	5MHz	16QAM	40620	1RB#12	23.72	PASS
Band41	5MHz	QPSK	40620	1RB#24	23.83	PASS
Band41	5MHz	16QAM	40620	1RB#24	23.64	PASS
Band41	5MHz	QPSK	40620	12RB#0	22.88	PASS
Band41	5MHz	16QAM	40620	12RB#0	22.15	PASS
Band41	5MHz	QPSK	40620	12RB#6	22.90	PASS
Band41	5MHz	16QAM	40620	12RB#6	22.39	PASS
Band41	5MHz	QPSK	40620	12RB#13	23.07	PASS
Band41	5MHz	16QAM	40620	12RB#13	22.31	PASS
Band41	5MHz	QPSK	40620	25RB#0	22.98	PASS
Band41	5MHz	16QAM	40620	25RB#0	22.41	PASS
Band41	5MHz	QPSK	41565	1RB#0	23.28	PASS
Band41	5MHz	16QAM	41565	1RB#0	23.16	PASS
Band41	5MHz	QPSK	41565	1RB#12	23.30	PASS
Band41	5MHz	16QAM	41565	1RB#12	23.04	PASS
Band41	5MHz	QPSK	41565	1RB#24	23.30	PASS
Band41	5MHz	16QAM	41565	1RB#24	23.00	PASS
Band41	5MHz	QPSK	41565	12RB#0	22.25	PASS
Band41	5MHz	16QAM	41565	12RB#0	21.60	PASS



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Band41	5MHz	QPSK	41565	12RB#6	22.27	PASS
Band41	5MHz	16QAM	41565	12RB#6	21.61	PASS
Band41	5MHz	QPSK	41565	12RB#13	22.36	PASS
Band41	5MHz	16QAM	41565	12RB#13	21.69	PASS
Band41	5MHz	QPSK	41565	25RB#0	22.42	PASS
Band41	5MHz	16QAM	41565	25RB#0	21.80	PASS
Band41	10MHz	QPSK	39700	1RB#0	24.08	PASS
Band41	10MHz	16QAM	39700	1RB#0	24.01	PASS
Band41	10MHz	QPSK	39700	1RB#24	24.03	PASS
Band41	10MHz	16QAM	39700	1RB#24	23.92	PASS
Band41	10MHz	QPSK	39700	1RB#49	24.01	PASS
Band41	10MHz	16QAM	39700	1RB#49	23.87	PASS
Band41	10MHz	QPSK	39700	25RB#0	22.92	PASS
Band41	10MHz	16QAM	39700	25RB#0	22.38	PASS
Band41	10MHz	QPSK	39700	25RB#12	22.94	PASS
Band41	10MHz	16QAM	39700	25RB#12	22.38	PASS
Band41	10MHz	QPSK	39700	25RB#25	22.92	PASS
Band41	10MHz	16QAM	39700	25RB#25	22.25	PASS
Band41	10MHz	QPSK	39700	50RB#0	22.98	PASS
Band41	10MHz	16QAM	39700	50RB#0	22.26	PASS
Band41	10MHz	QPSK	40620	1RB#0	24.18	PASS
Band41	10MHz	16QAM	40620	1RB#0	24.14	PASS
Band41	10MHz	QPSK	40620	1RB#24	24.06	PASS
Band41	10MHz	16QAM	40620	1RB#24	24.07	PASS
Band41	10MHz	QPSK	40620	1RB#49	24.11	PASS
Band41	10MHz	16QAM	40620	1RB#49	23.96	PASS
Band41	10MHz	QPSK	40620	25RB#0	22.98	PASS
Band41	10MHz	16QAM	40620	25RB#0	22.36	PASS
Band41	10MHz	QPSK	40620	25RB#12	22.92	PASS
Band41	10MHz	16QAM	40620	25RB#12	22.36	PASS
Band41	10MHz	QPSK	40620	25RB#25	22.94	PASS
Band41	10MHz	16QAM	40620	25RB#25	22.33	PASS
Band41	10MHz	QPSK	40620	50RB#0	22.99	PASS
Band41	10MHz	16QAM	40620	50RB#0	22.37	PASS
Band41	10MHz	QPSK	41540	1RB#0	23.42	PASS
Band41	10MHz	16QAM	41540	1RB#0	23.17	PASS
Band41	10MHz	QPSK	41540	1RB#24	23.40	PASS
Band41	10MHz	16QAM	41540	1RB#24	23.23	PASS
Band41	10MHz	QPSK	41540	1RB#49	23.48	PASS
Band41	10MHz	16QAM	41540	1RB#49	23.23	PASS
Band41	10MHz	QPSK	41540	25RB#0	22.20	PASS



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Band41	10MHz	16QAM	41540	25RB#0	21.61	PASS
Band41	10MHz	QPSK	41540	25RB#12	22.21	PASS
Band41	10MHz	16QAM	41540	25RB#12	21.61	PASS
Band41	10MHz	QPSK	41540	25RB#25	22.33	PASS
Band41	10MHz	16QAM	41540	25RB#25	21.56	PASS
Band41	10MHz	QPSK	41540	50RB#0	22.26	PASS
Band41	10MHz	16QAM	41540	50RB#0	21.61	PASS
Band41	15MHz	QPSK	39725	1RB#0	24.05	PASS
Band41	15MHz	16QAM	39725	1RB#0	24.02	PASS
Band41	15MHz	QPSK	39725	1RB#38	23.59	PASS
Band41	15MHz	16QAM	39725	1RB#38	23.02	PASS
Band41	15MHz	QPSK	39725	1RB#74	23.40	PASS
Band41	15MHz	16QAM	39725	1RB#74	22.94	PASS
Band41	15MHz	QPSK	39725	38RB#0	22.62	PASS
Band41	15MHz	16QAM	39725	38RB#0	22.62	PASS
Band41	15MHz	QPSK	39725	38RB#18	22.65	PASS
Band41	15MHz	16QAM	39725	38RB#18	22.58	PASS
Band41	15MHz	QPSK	39725	38RB#37	22.67	PASS
Band41	15MHz	16QAM	39725	38RB#37	22.57	PASS
Band41	15MHz	QPSK	39725	75RB#0	22.92	PASS
Band41	15MHz	16QAM	39725	75RB#0	22.29	PASS
Band41	15MHz	QPSK	40620	1RB#0	24.16	PASS
Band41	15MHz	16QAM	40620	1RB#0	24.13	PASS
Band41	15MHz	QPSK	40620	1RB#38	24.13	PASS
Band41	15MHz	16QAM	40620	1RB#38	23.96	PASS
Band41	15MHz	QPSK	40620	1RB#74	23.94	PASS
Band41	15MHz	16QAM	40620	1RB#74	23.90	PASS
Band41	15MHz	QPSK	40620	38RB#0	23.02	PASS
Band41	15MHz	16QAM	40620	38RB#0	23.02	PASS
Band41	15MHz	QPSK	40620	38RB#18	23.03	PASS
Band41	15MHz	16QAM	40620	38RB#18	23.03	PASS
Band41	15MHz	QPSK	40620	38RB#37	23.03	PASS
Band41	15MHz	16QAM	40620	38RB#37	23.03	PASS
Band41	15MHz	QPSK	40620	75RB#0	23.03	PASS
Band41	15MHz	16QAM	40620	75RB#0	22.42	PASS
Band41	15MHz	QPSK	41515	1RB#0	23.41	PASS
Band41	15MHz	16QAM	41515	1RB#0	23.08	PASS
Band41	15MHz	QPSK	41515	1RB#38	23.43	PASS
Band41	15MHz	16QAM	41515	1RB#38	23.25	PASS
Band41	15MHz	QPSK	41515	1RB#74	23.41	PASS
Band41	15MHz	16QAM	41515	1RB#74	23.25	PASS



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Band41	15MHz	QPSK	41515	38RB#0	22.20	PASS
Band41	15MHz	16QAM	41515	38RB#0	22.21	PASS
Band41	15MHz	QPSK	41515	38RB#18	22.05	PASS
Band41	15MHz	16QAM	41515	38RB#18	22.05	PASS
Band41	15MHz	QPSK	41515	38RB#37	22.05	PASS
Band41	15MHz	16QAM	41515	38RB#37	22.06	PASS
Band41	15MHz	QPSK	41515	75RB#0	22.05	PASS
Band41	15MHz	16QAM	41515	75RB#0	21.44	PASS
Band41	20MHz	QPSK	39750	1RB#0	23.62	PASS
Band41	20MHz	16QAM	39750	1RB#0	23.11	PASS
Band41	20MHz	QPSK	39750	1RB#49	23.49	PASS
Band41	20MHz	16QAM	39750	1RB#49	23.11	PASS
Band41	20MHz	QPSK	39750	1RB#99	23.42	PASS
Band41	20MHz	16QAM	39750	1RB#99	23.07	PASS
Band41	20MHz	QPSK	39750	50RB#0	22.94	PASS
Band41	20MHz	16QAM	39750	50RB#0	22.34	PASS
Band41	20MHz	QPSK	39750	50RB#25	22.95	PASS
Band41	20MHz	16QAM	39750	50RB#25	22.33	PASS
Band41	20MHz	QPSK	39750	50RB#50	22.78	PASS
Band41	20MHz	16QAM	39750	50RB#50	22.39	PASS
Band41	20MHz	QPSK	39750	100RB#0	22.88	PASS
Band41	20MHz	16QAM	39750	100RB#0	22.14	PASS
Band41	20MHz	QPSK	40620	1RB#0	23.85	PASS
Band41	20MHz	16QAM	40620	1RB#0	23.99	PASS
Band41	20MHz	QPSK	40620	1RB#49	23.68	PASS
Band41	20MHz	16QAM	40620	1RB#49	23.67	PASS
Band41	20MHz	QPSK	40620	1RB#99	23.60	PASS
Band41	20MHz	16QAM	40620	1RB#99	23.59	PASS
Band41	20MHz	QPSK	40620	50RB#0	23.01	PASS
Band41	20MHz	16QAM	40620	50RB#0	22.47	PASS
Band41	20MHz	QPSK	40620	50RB#25	23.03	PASS
Band41	20MHz	16QAM	40620	50RB#25	22.47	PASS
Band41	20MHz	QPSK	40620	50RB#50	22.97	PASS
Band41	20MHz	16QAM	40620	50RB#50	22.46	PASS
Band41	20MHz	QPSK	40620	100RB#0	22.90	PASS
Band41	20MHz	16QAM	40620	100RB#0	22.37	PASS
Band41	20MHz	QPSK	41490	1RB#0	23.09	PASS
Band41	20MHz	16QAM	41490	1RB#0	23.34	PASS
Band41	20MHz	QPSK	41490	1RB#49	23.08	PASS
Band41	20MHz	16QAM	41490	1RB#49	23.24	PASS
Band41	20MHz	QPSK	41490	1RB#99	23.05	PASS



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Band41	20MHz	16QAM	41490	1RB#99	23.34	PASS
Band41	20MHz	QPSK	41490	50RB#0	22.31	PASS
Band41	20MHz	16QAM	41490	50RB#0	21.76	PASS
Band41	20MHz	QPSK	41490	50RB#25	22.34	PASS
Band41	20MHz	16QAM	41490	50RB#25	21.76	PASS
Band41	20MHz	QPSK	41490	50RB#50	22.31	PASS
Band41	20MHz	16QAM	41490	50RB#50	21.78	PASS
Band41	20MHz	QPSK	41490	100RB#0	22.23	PASS
Band41	20MHz	16QAM	41490	100RB#0	21.58	PASS



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

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band41	5MHz	QPSK	39675	1RB#0	8.35	13	PASS
Band41	5MHz	16QAM	39675	1RB#0	8.66	13	PASS
Band41	5MHz	QPSK	39675	25RB#0	8.94	13	PASS
Band41	5MHz	16QAM	39675	25RB#0	9.56	13	PASS
Band41	5MHz	QPSK	40620	1RB#0	8.71	13	PASS
Band41	5MHz	16QAM	40620	1RB#0	9.25	13	PASS
Band41	5MHz	QPSK	40620	25RB#0	8.98	13	PASS
Band41	5MHz	16QAM	40620	25RB#0	9.72	13	PASS
Band41	5MHz	QPSK	41565	1RB#0	8.48	13	PASS
Band41	5MHz	16QAM	41565	1RB#0	8.78	13	PASS
Band41	5MHz	QPSK	41565	25RB#0	9.02	13	PASS
Band41	5MHz	16QAM	41565	25RB#0	9.75	13	PASS
Band41	10MHz	QPSK	39700	1RB#0	8.14	13	PASS
Band41	10MHz	16QAM	39700	1RB#0	8.60	13	PASS
Band41	10MHz	QPSK	39700	50RB#0	9.09	13	PASS
Band41	10MHz	16QAM	39700	50RB#0	9.52	13	PASS
Band41	10MHz	QPSK	40620	1RB#0	8.47	13	PASS
Band41	10MHz	16QAM	40620	1RB#0	8.81	13	PASS
Band41	10MHz	QPSK	40620	50RB#0	9.44	13	PASS
Band41	10MHz	16QAM	40620	50RB#0	9.39	13	PASS
Band41	10MHz	QPSK	41540	1RB#0	8.49	13	PASS
Band41	10MHz	16QAM	41540	1RB#0	8.87	13	PASS
Band41	10MHz	QPSK	41540	50RB#0	8.93	13	PASS
Band41	10MHz	16QAM	41540	50RB#0	9.84	13	PASS
Band41	15MHz	QPSK	39725	1RB#0	8.75	13	PASS
Band41	15MHz	16QAM	39725	1RB#0	8.61	13	PASS
Band41	15MHz	QPSK	39725	75RB#0	9.61	13	PASS
Band41	15MHz	16QAM	39725	75RB#0	9.81	13	PASS
Band41	15MHz	QPSK	40620	1RB#0	8.52	13	PASS
Band41	15MHz	QPSK	40620	75RB#0	9.46	13	PASS
Band41	15MHz	16QAM	40620	75RB#0	10.00	13	PASS
Band41	15MHz	QPSK	41515	1RB#0	8.22	13	PASS
Band41	15MHz	16QAM	41515	1RB#0	8.97	13	PASS
Band41	15MHz	QPSK	41515	75RB#0	9.28	13	PASS
Band41	15MHz	16QAM	41515	75RB#0	9.80	13	PASS
Band41	20MHz	QPSK	39750	1RB#0	8.13	13	PASS



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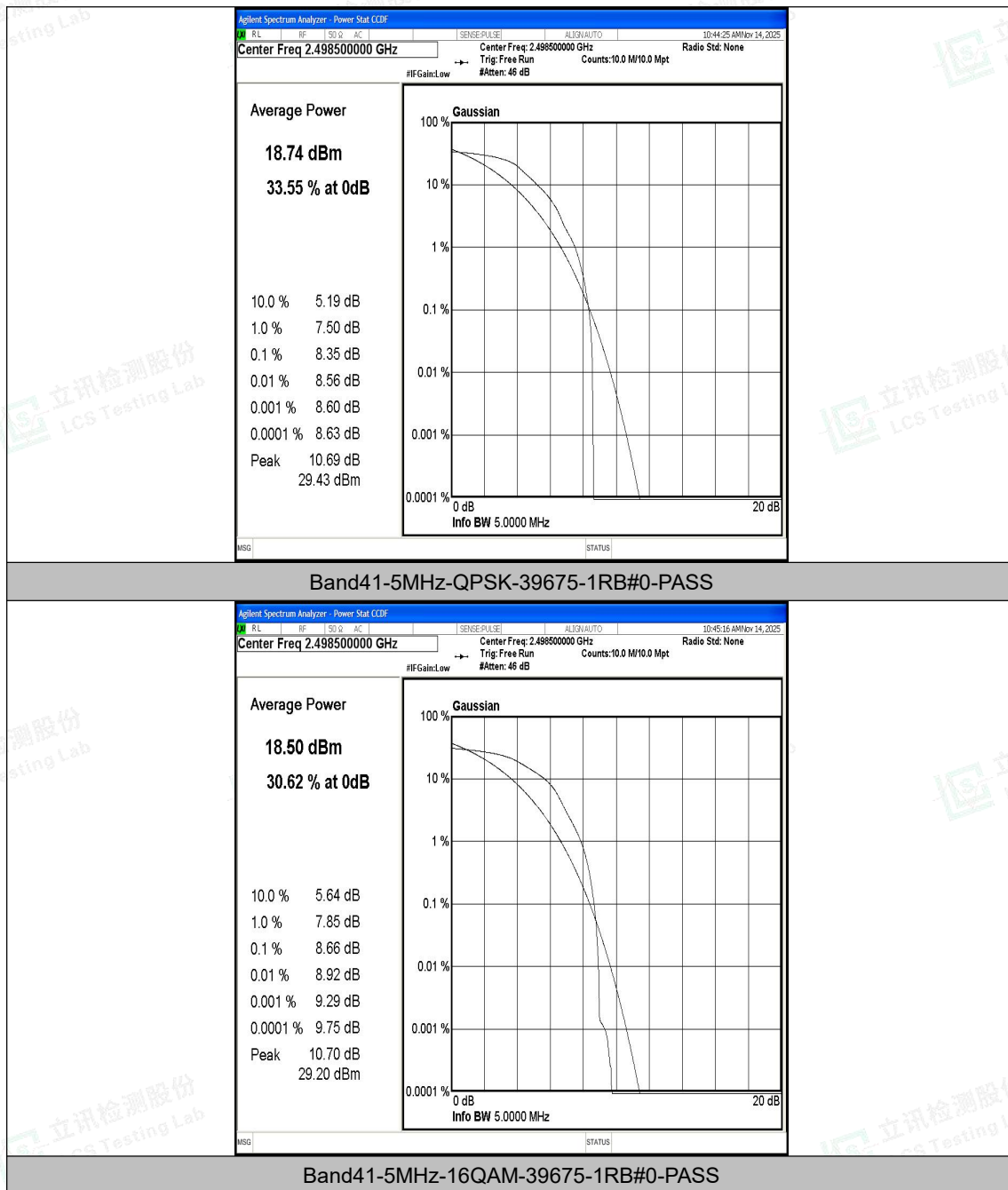
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Band41	20MHz	QPSK	39750	100RB#0	8.86	13	PASS
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Band41	20MHz	QPSK	40620	1RB#0	8.31	13	PASS
Band41	20MHz	16QAM	40620	1RB#0	8.60	13	PASS
Band41	20MHz	QPSK	40620	100RB#0	9.23	13	PASS
Band41	20MHz	16QAM	40620	100RB#0	9.91	13	PASS
Band41	20MHz	QPSK	41490	1RB#0	8.08	13	PASS
Band41	15MHz	16QAM	40620	1RB#0	8.76	13	PASS
Band41	20MHz	16QAM	41490	1RB#0	8.02	13	PASS
Band41	20MHz	QPSK	41490	100RB#0	8.98	13	PASS
Band41	20MHz	16QAM	41490	100RB#0	9.76	13	PASS

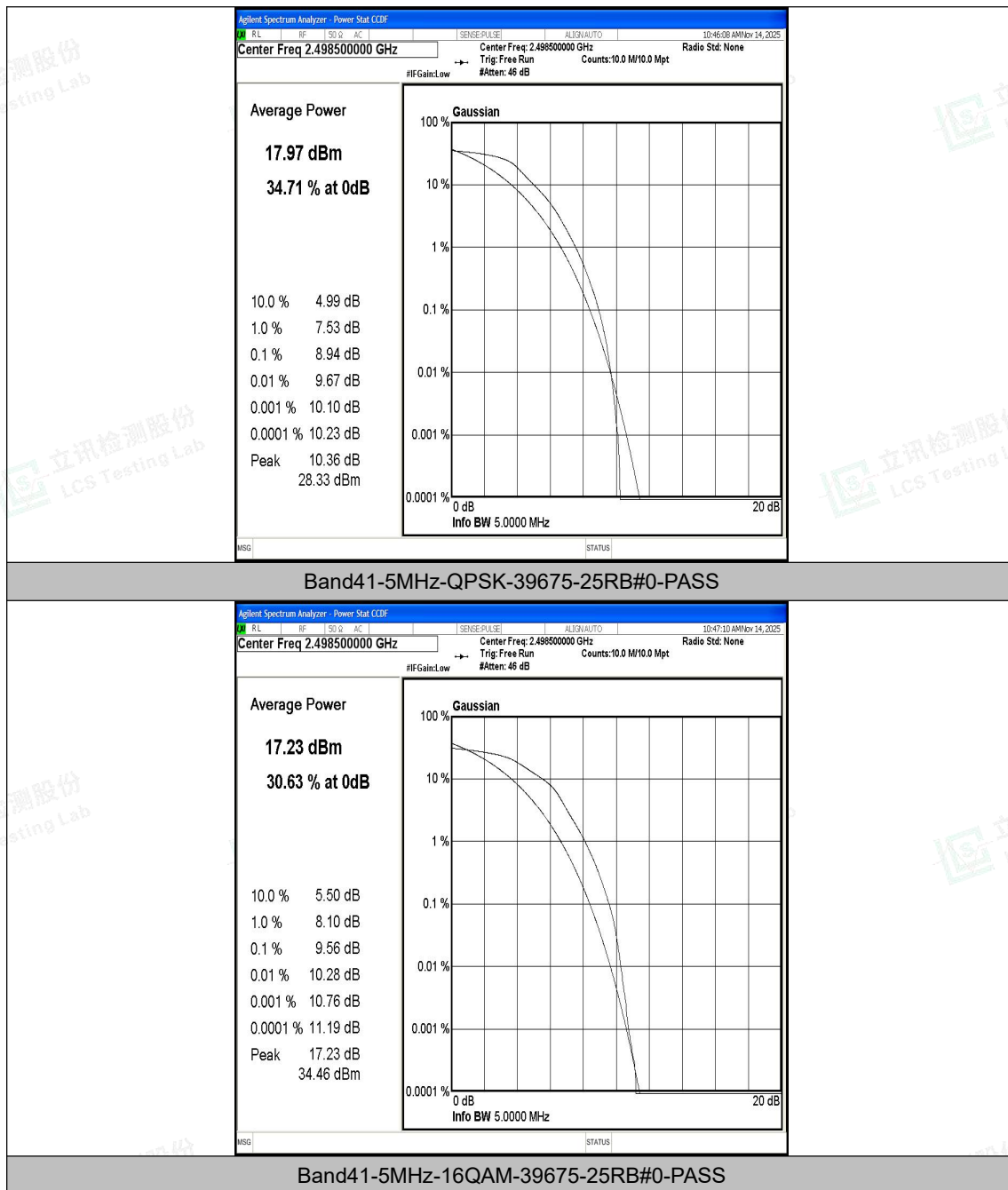


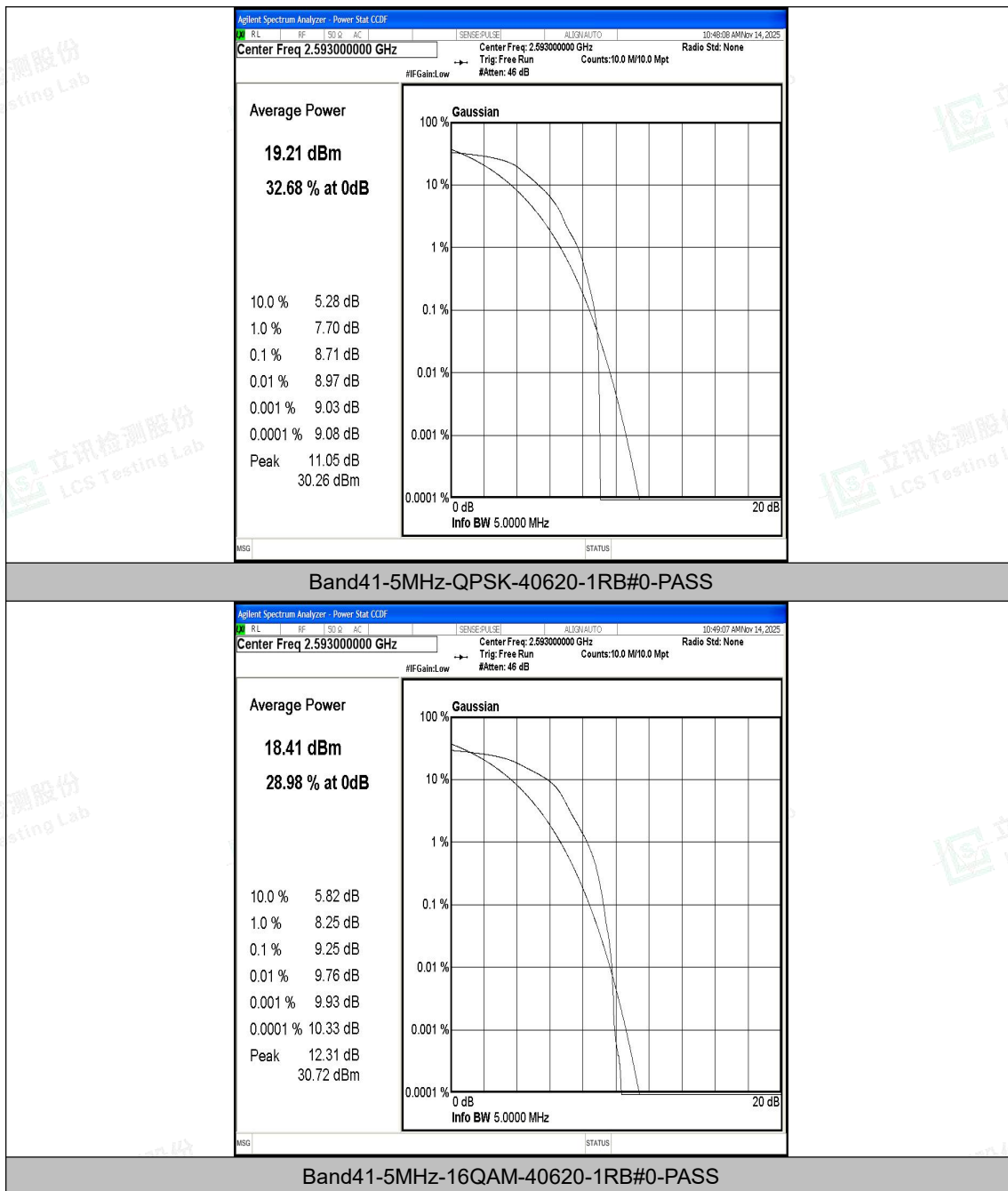
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Test Graphs





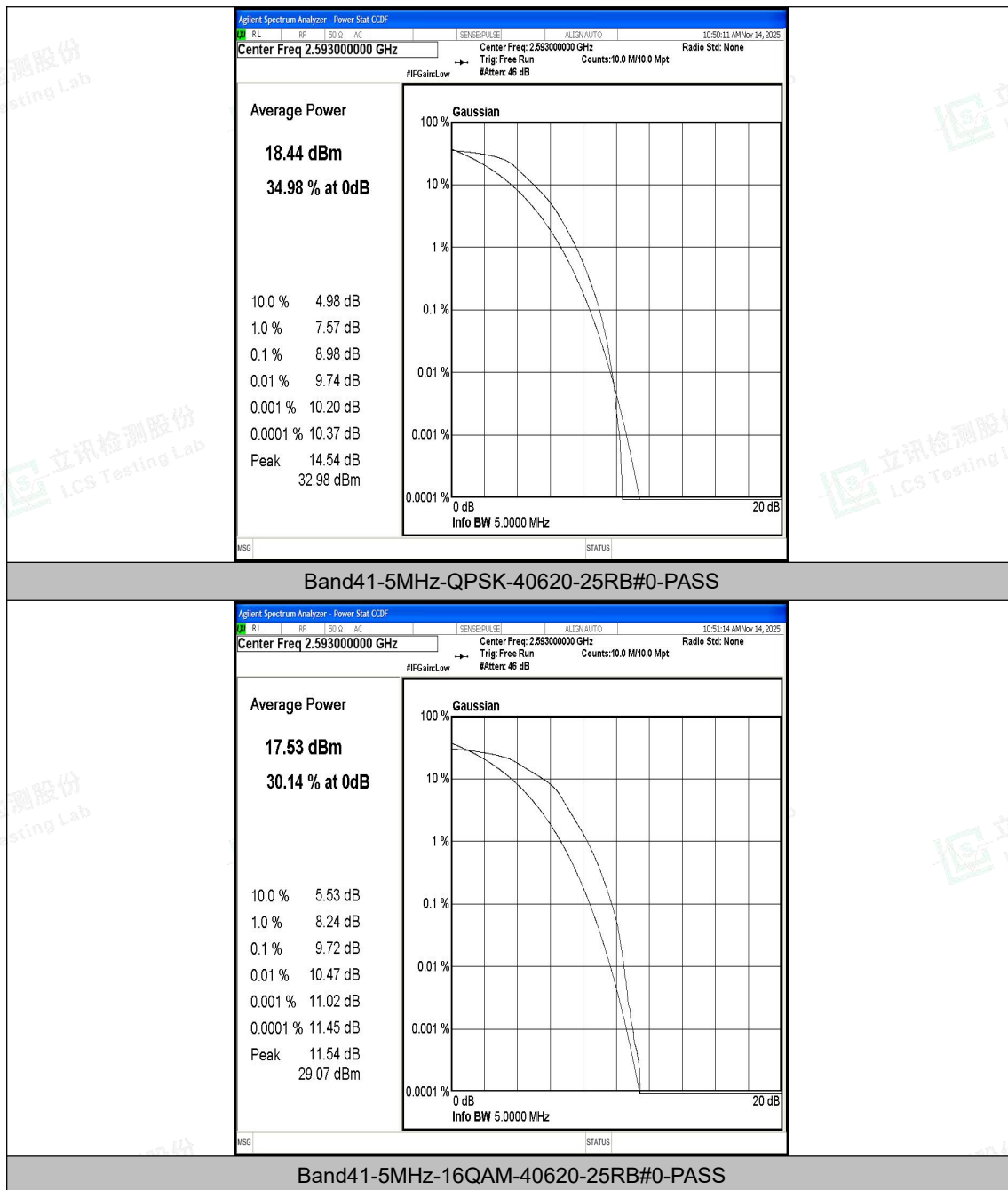


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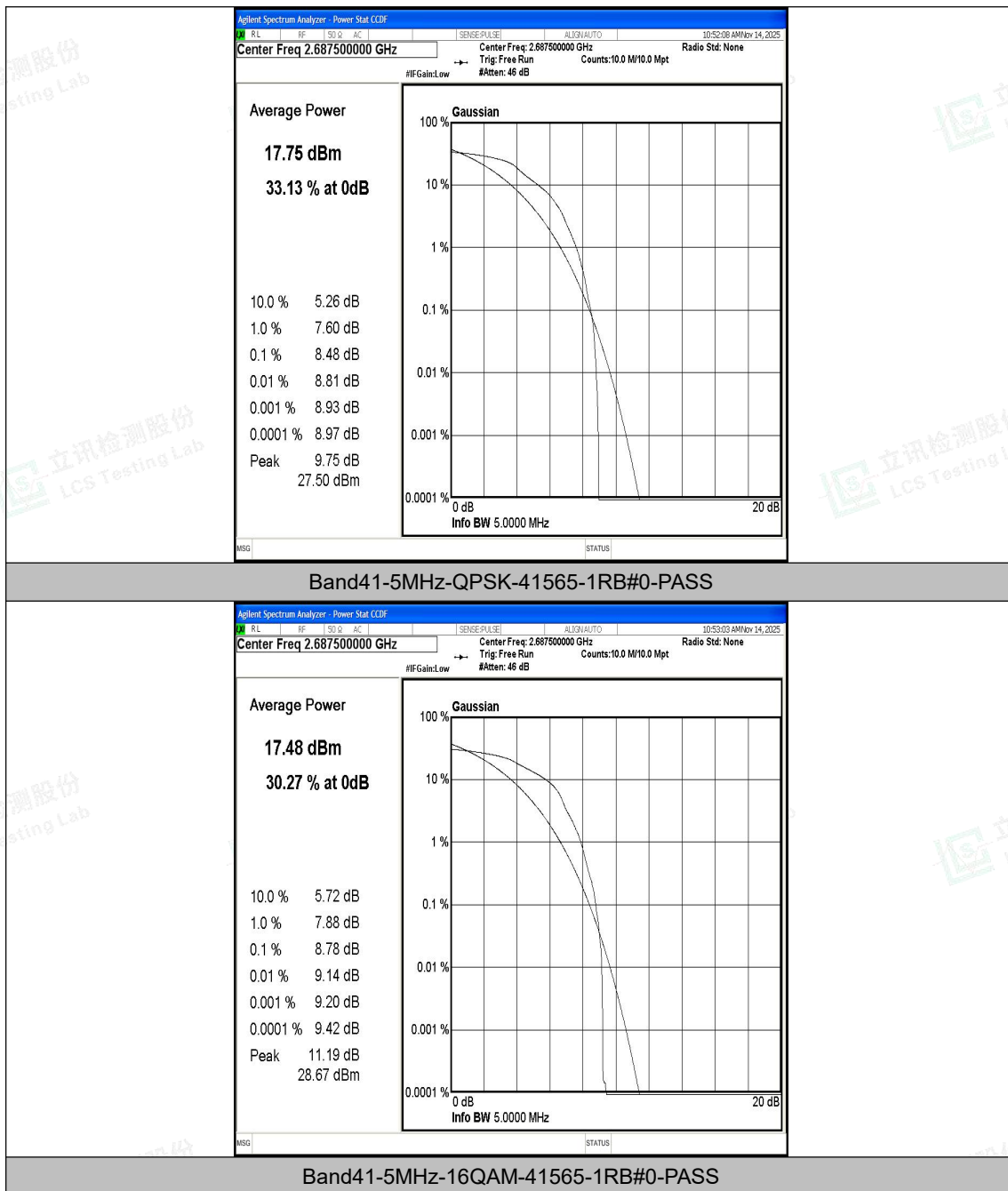


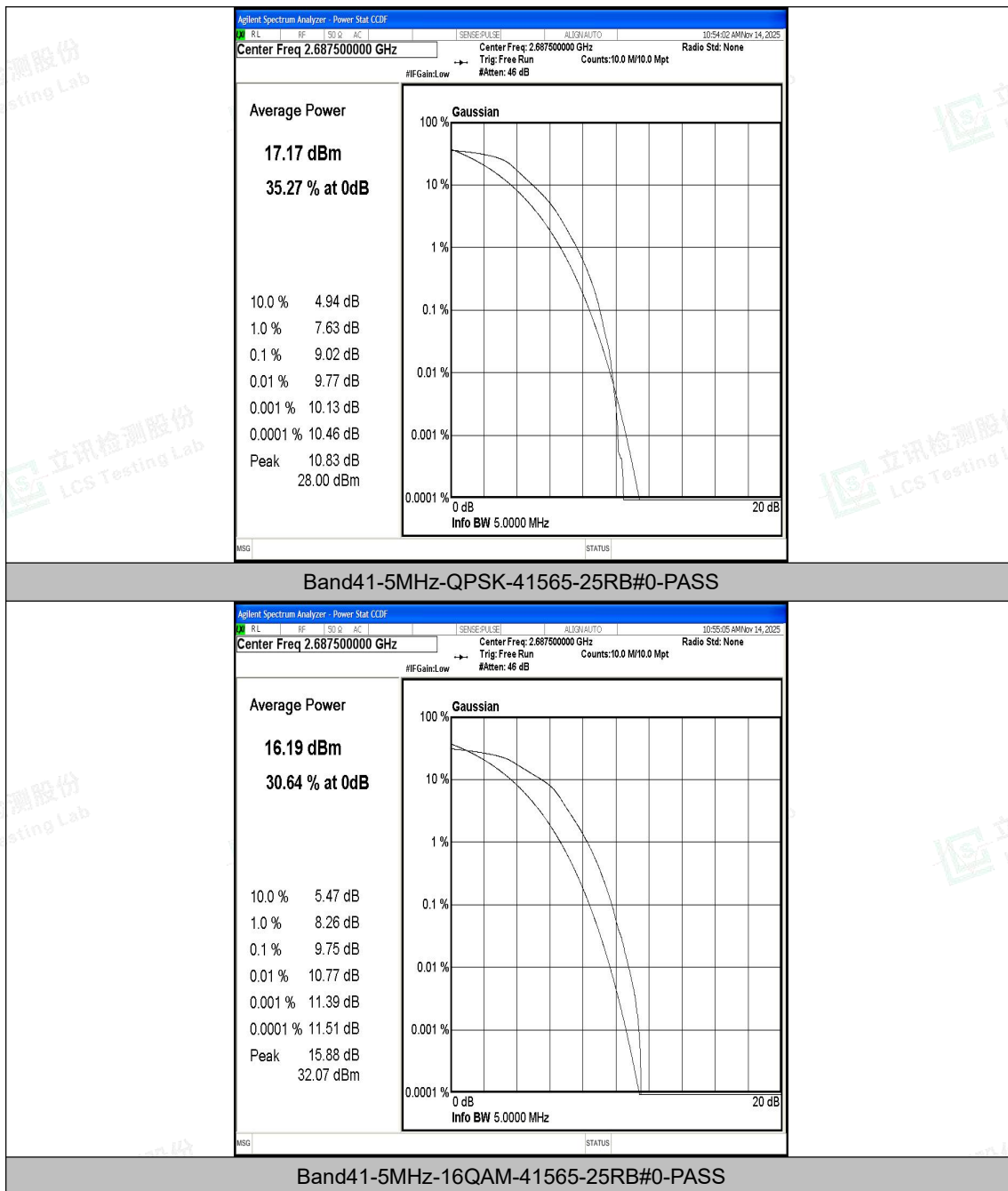
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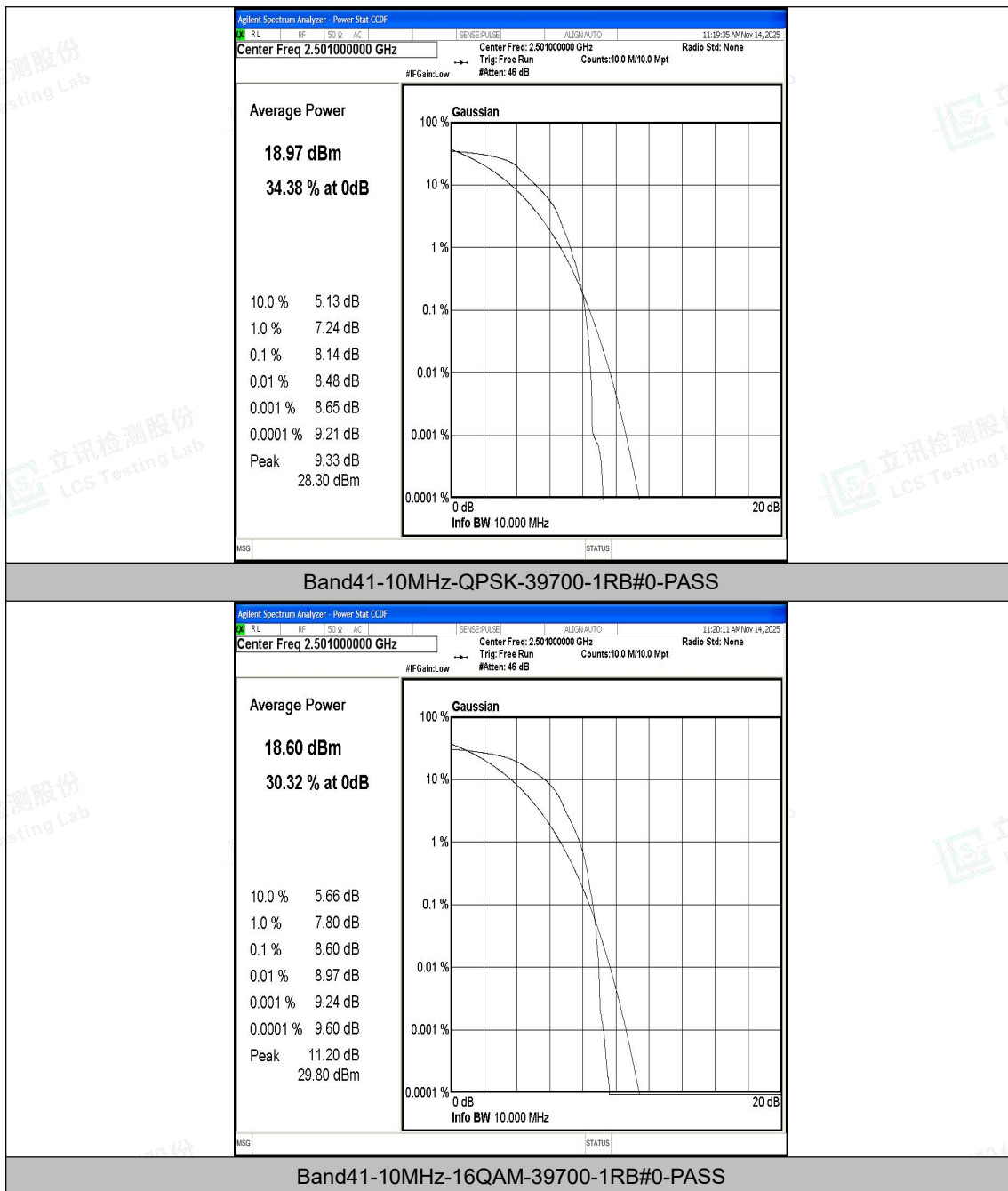
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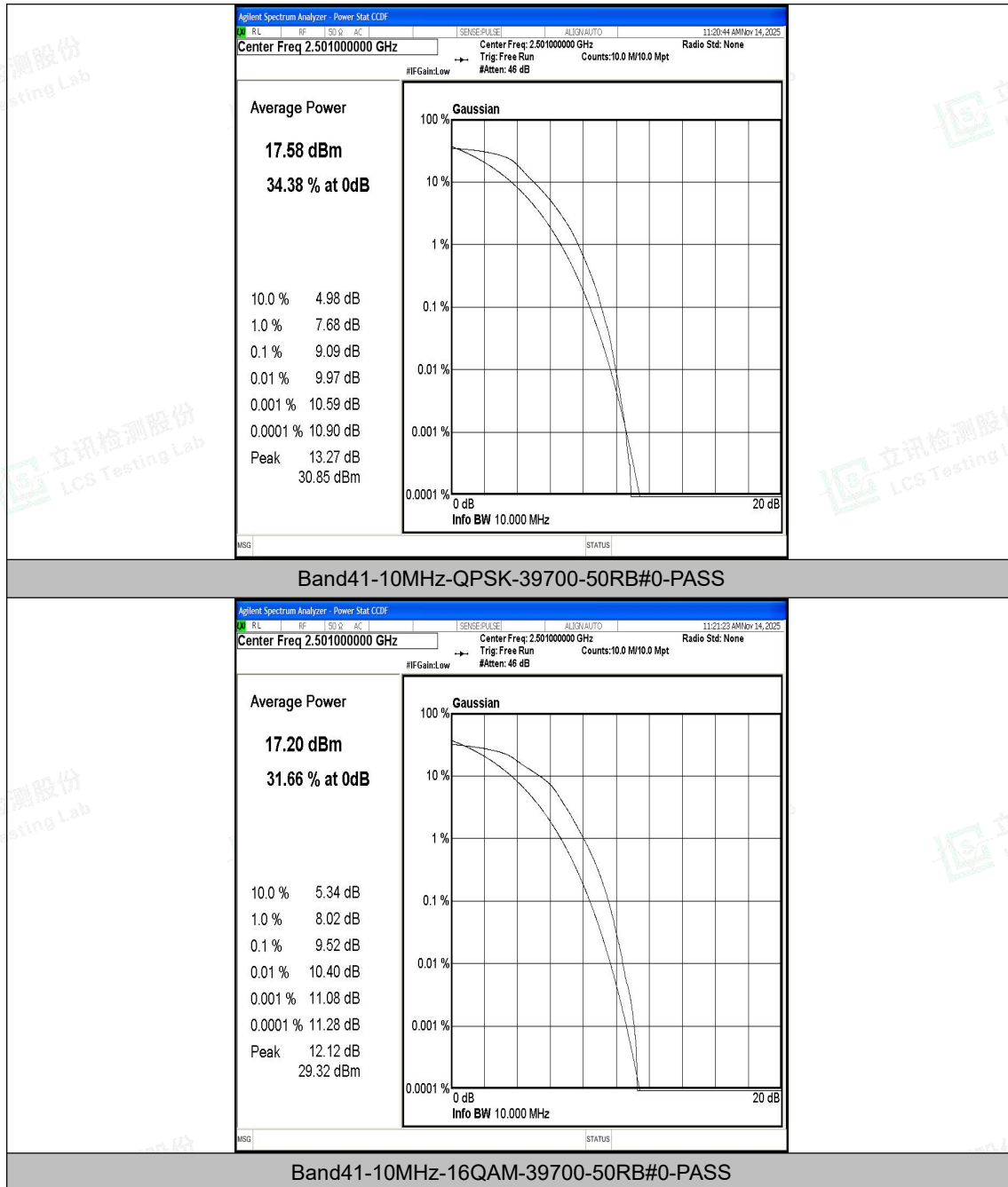
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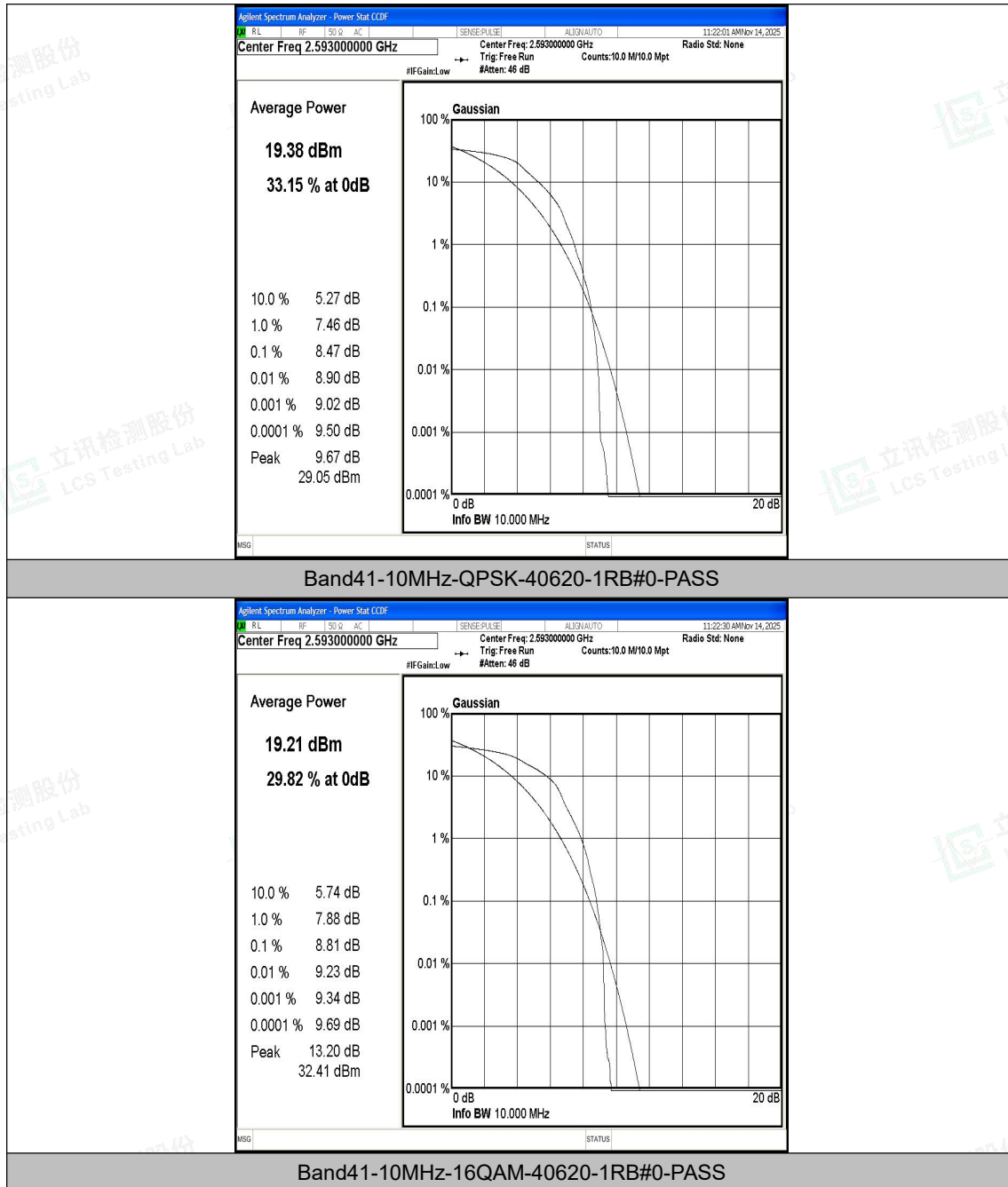


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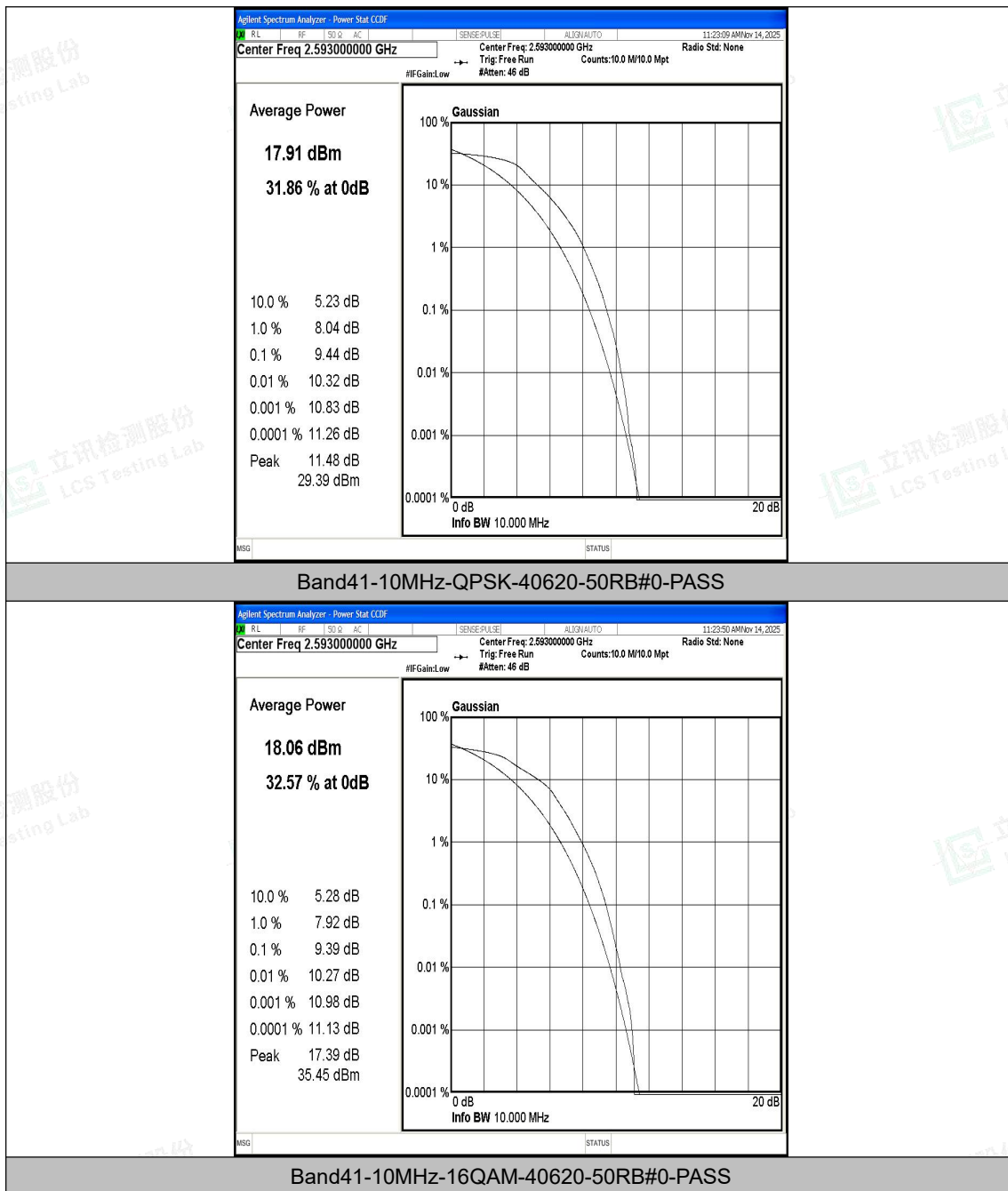


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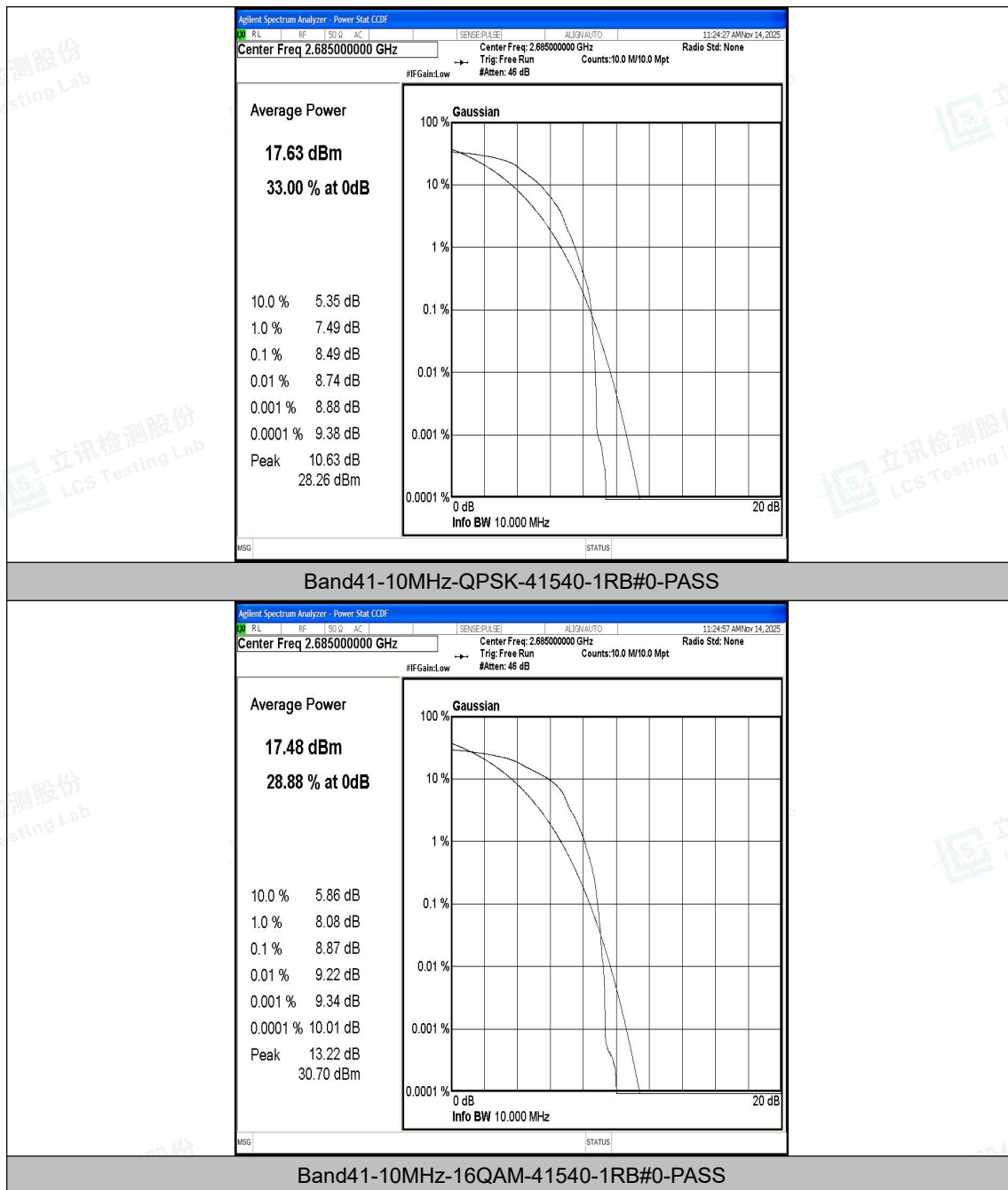


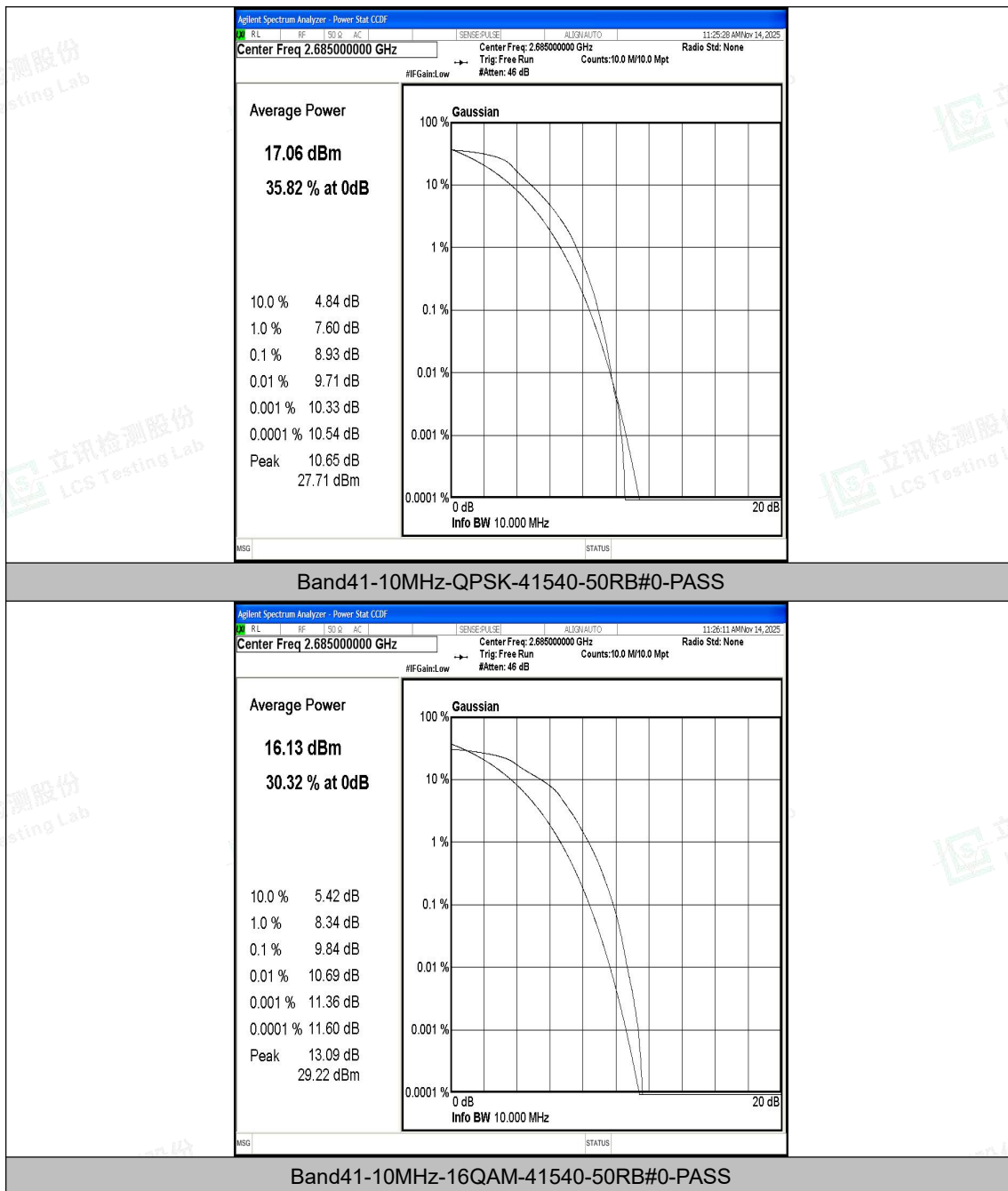
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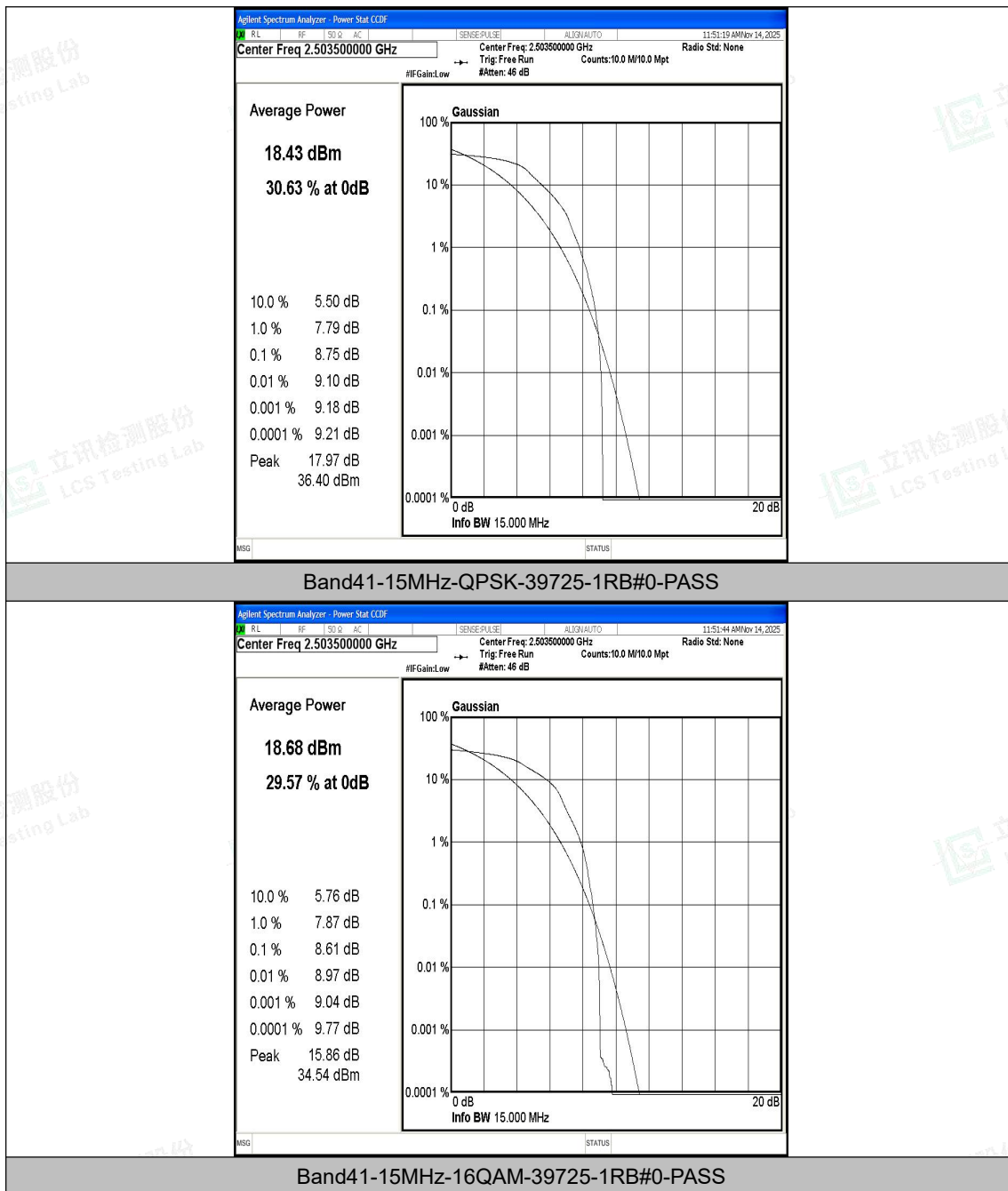


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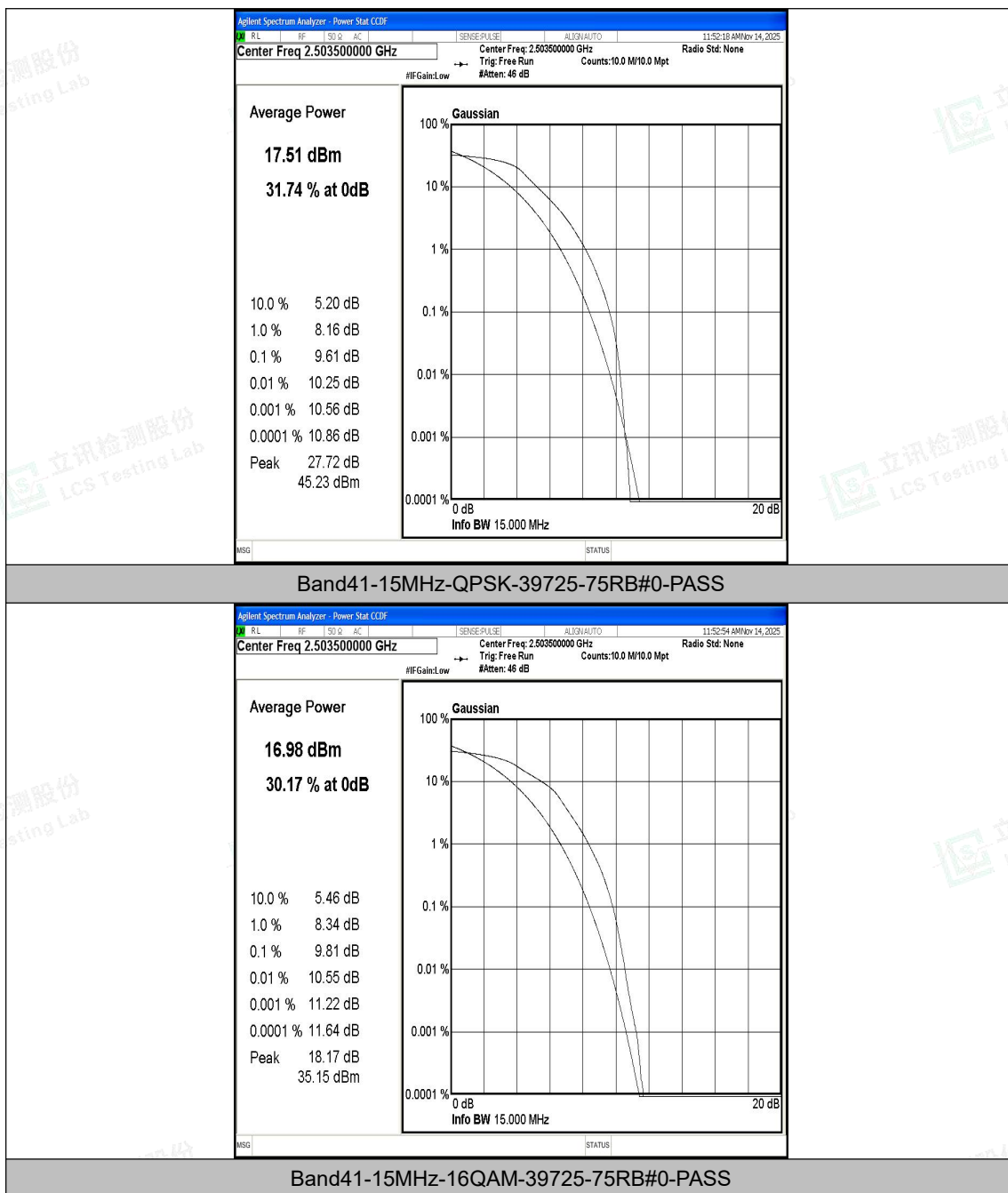


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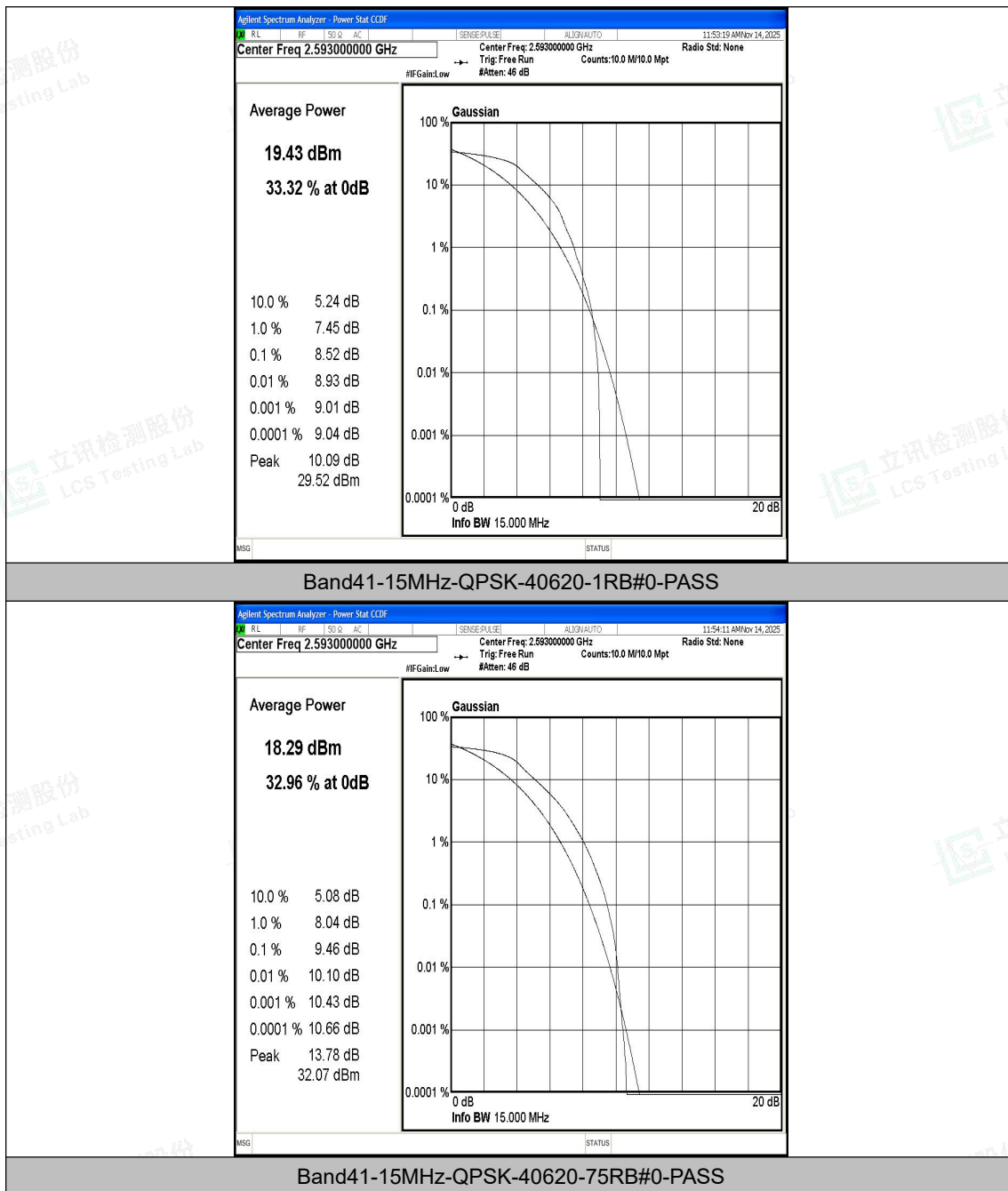


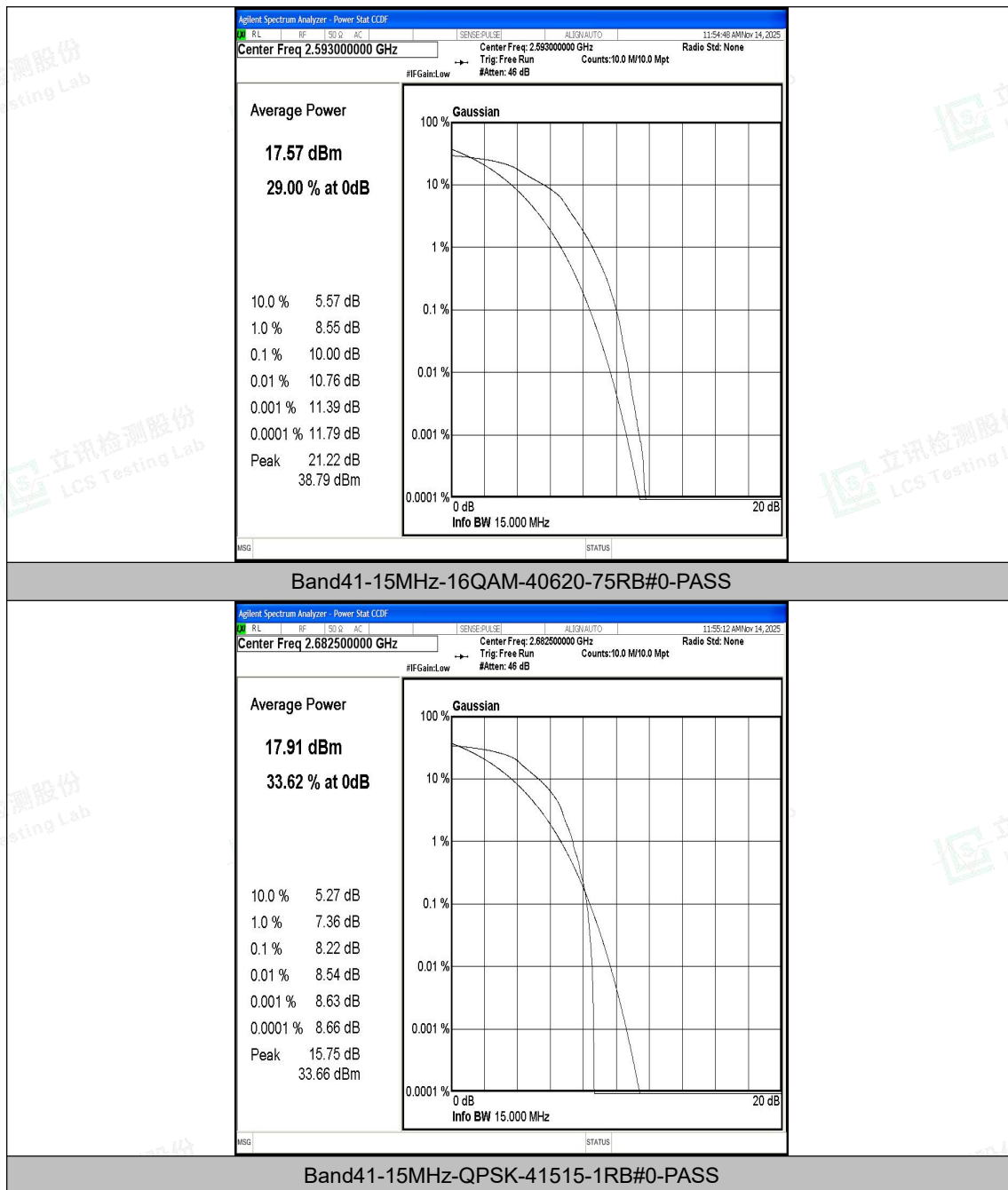
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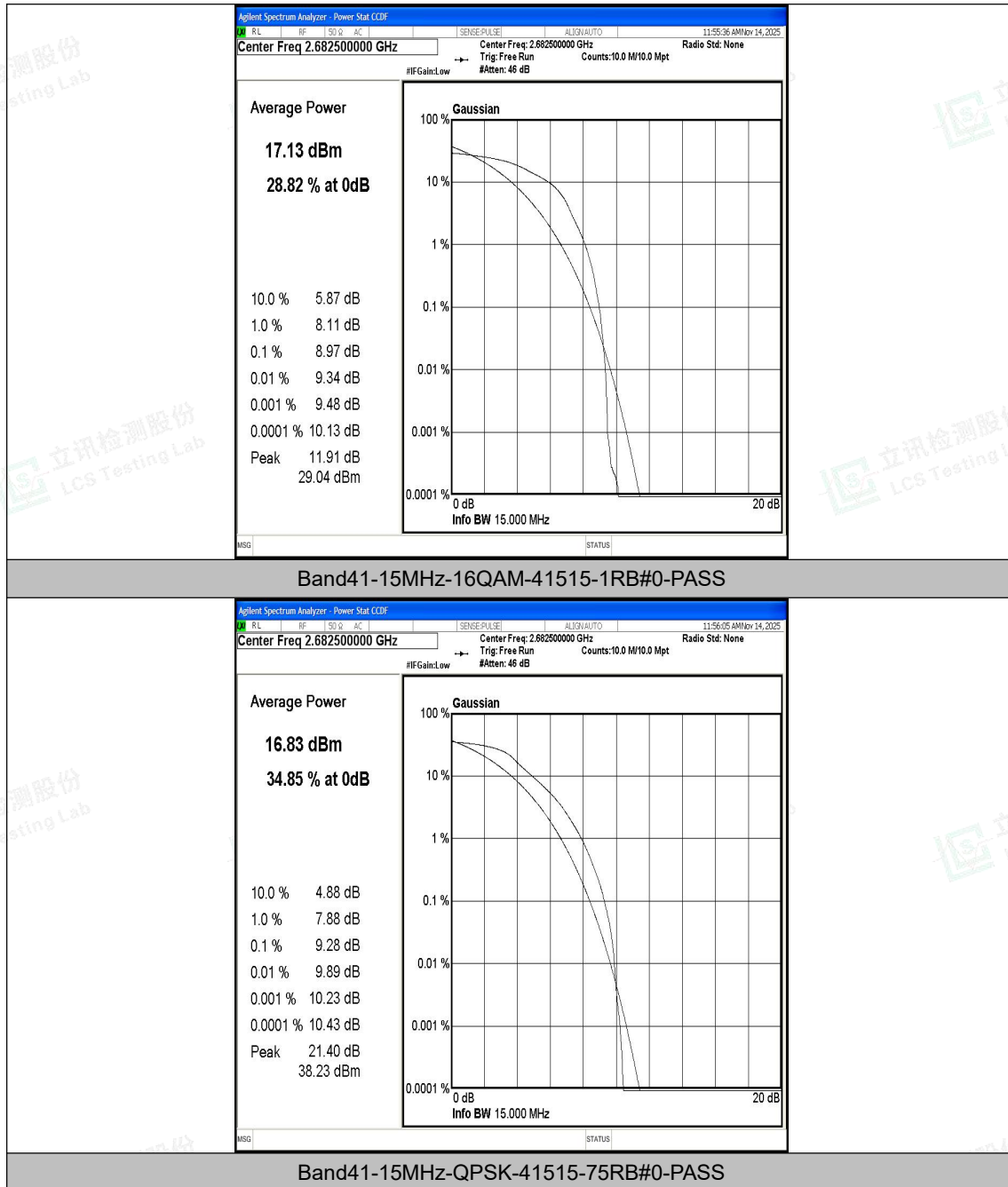


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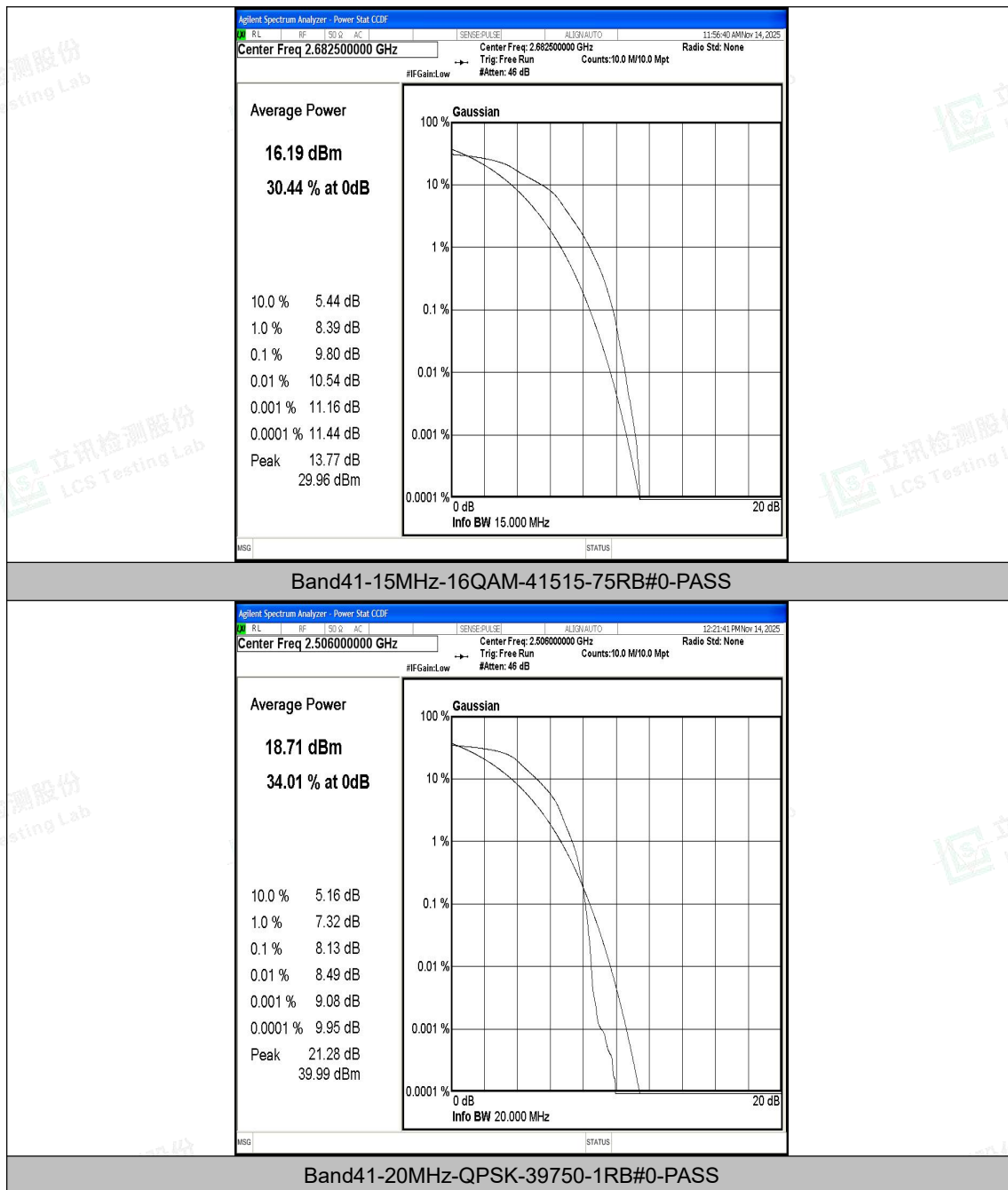


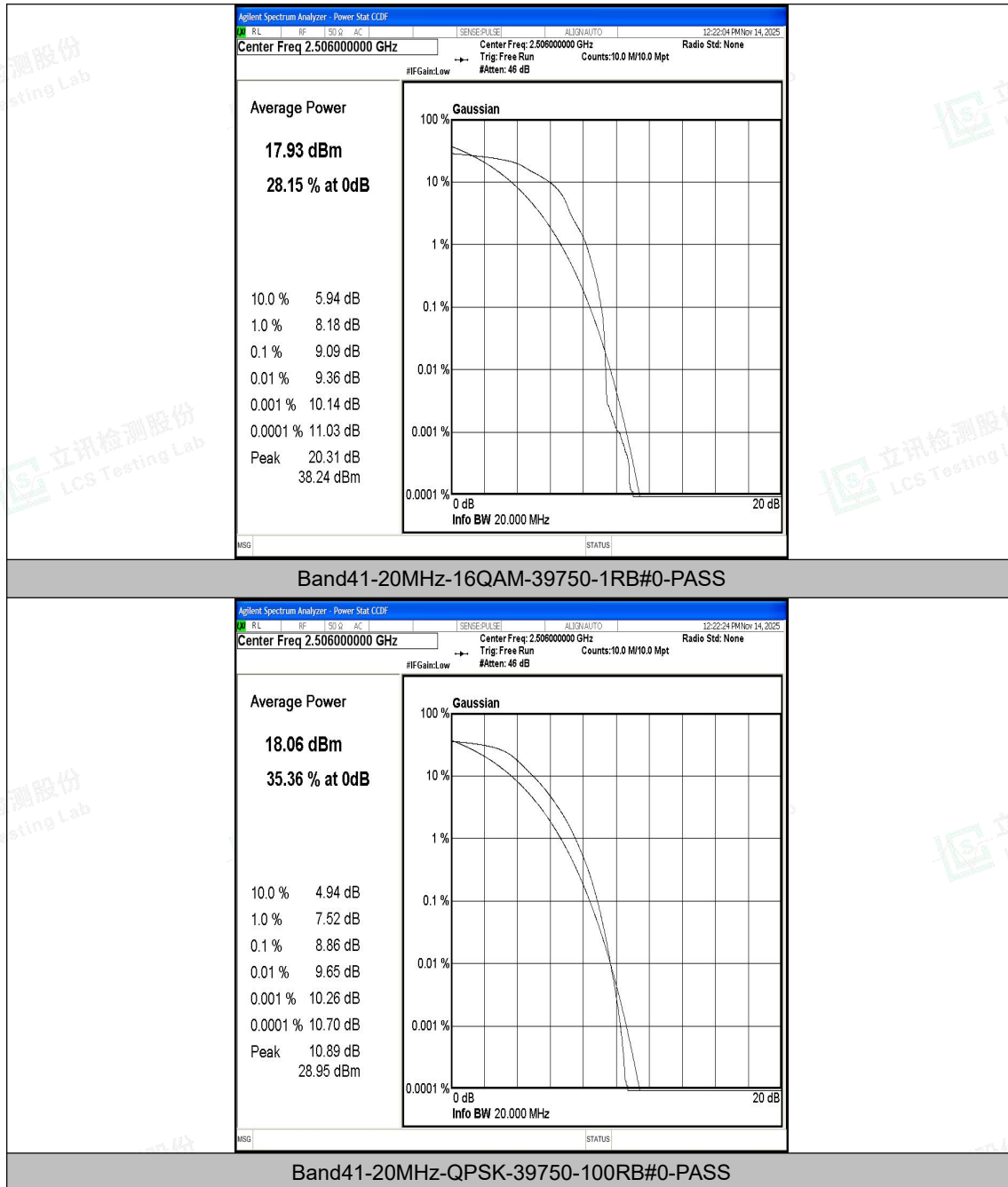
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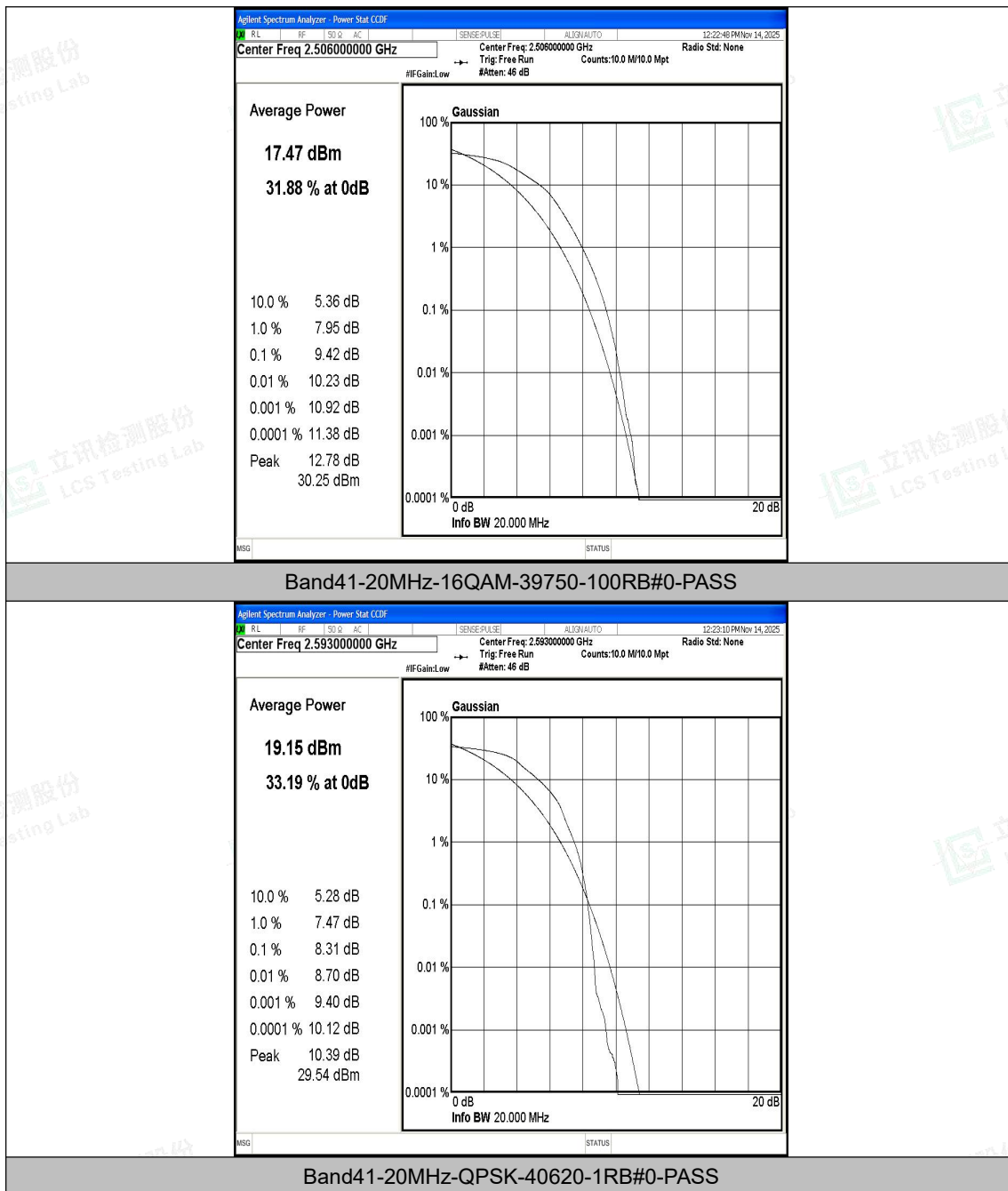


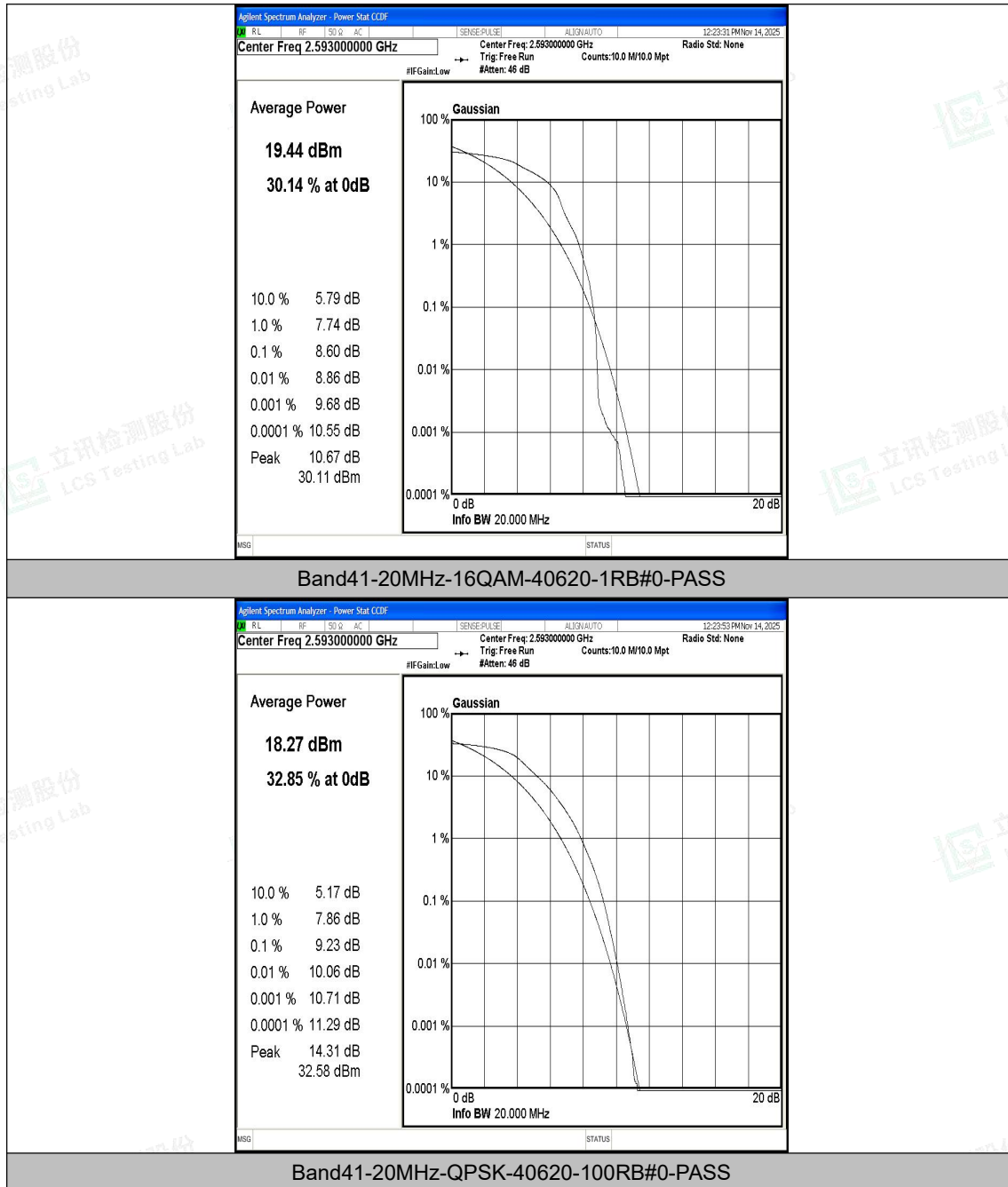
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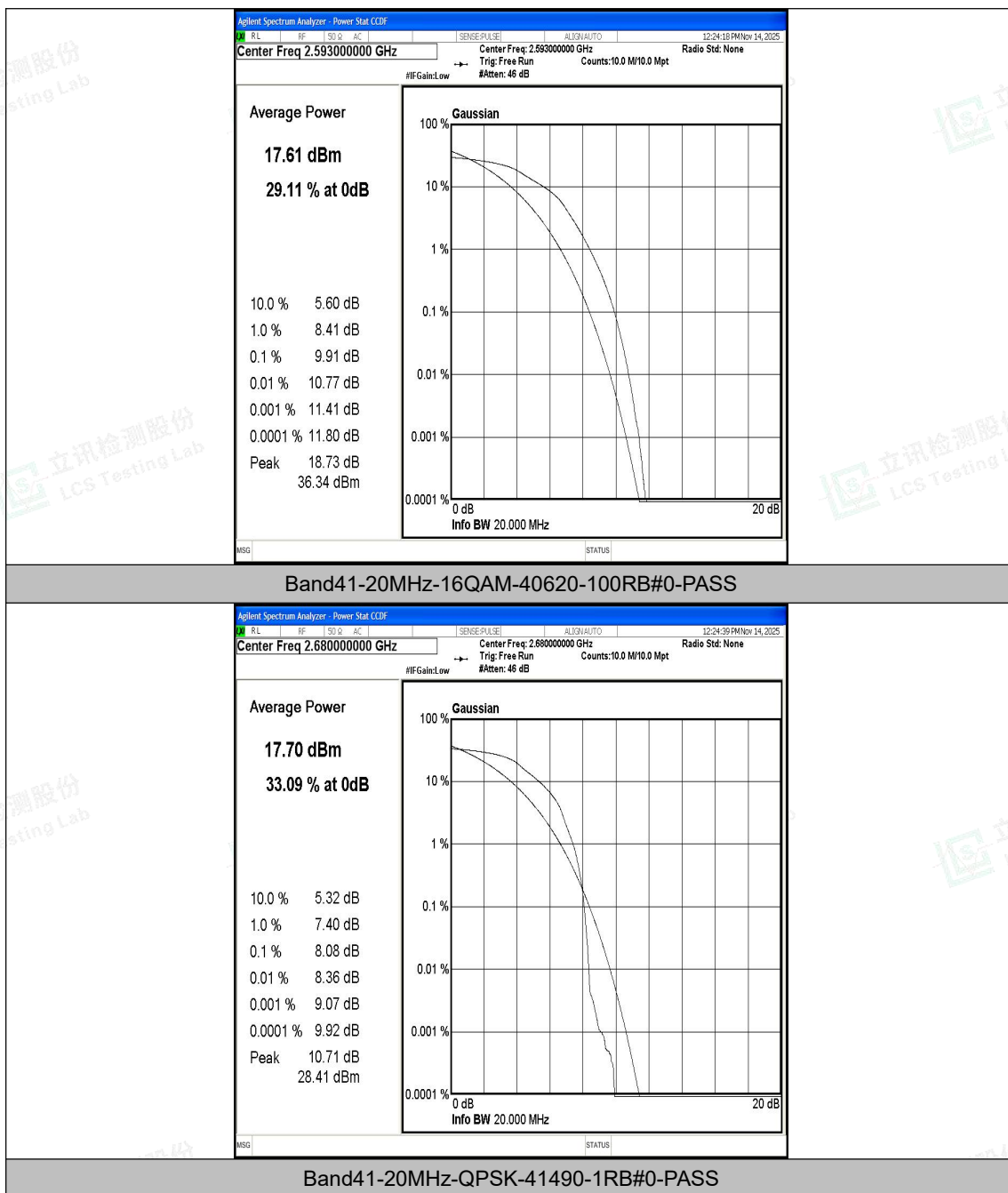


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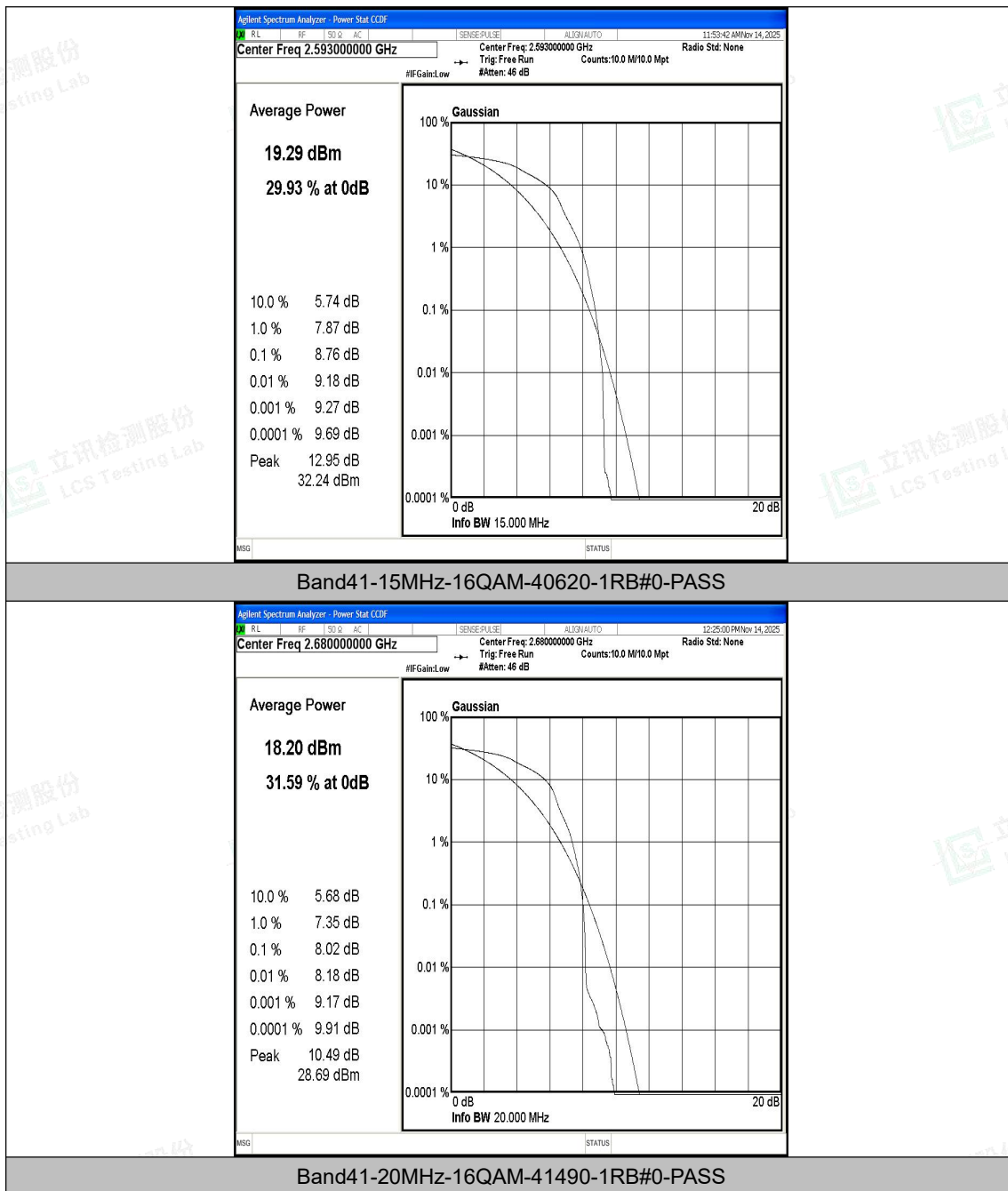


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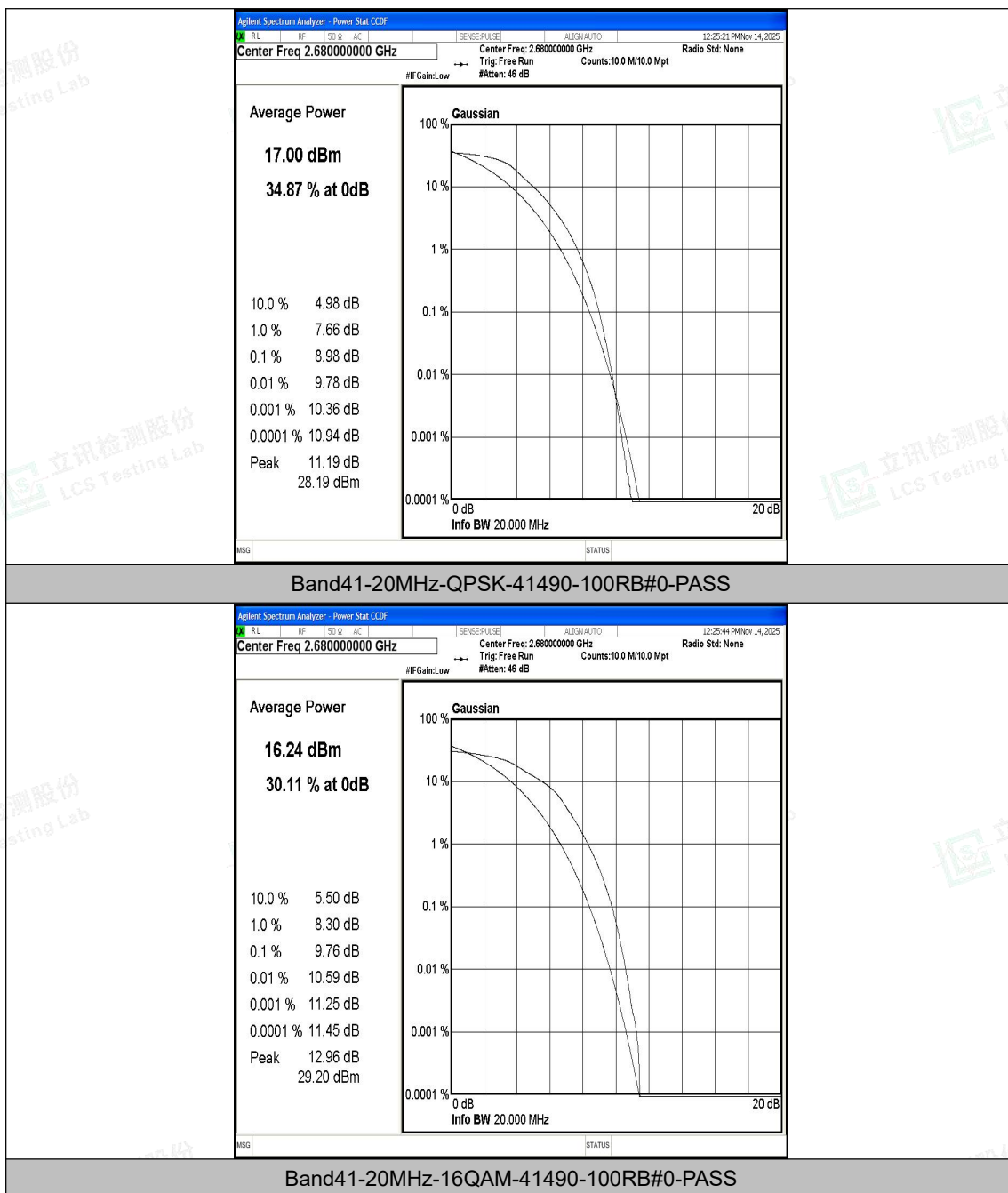


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G.3 26dB Bandwidth and Occupied Bandwidth

Test Result

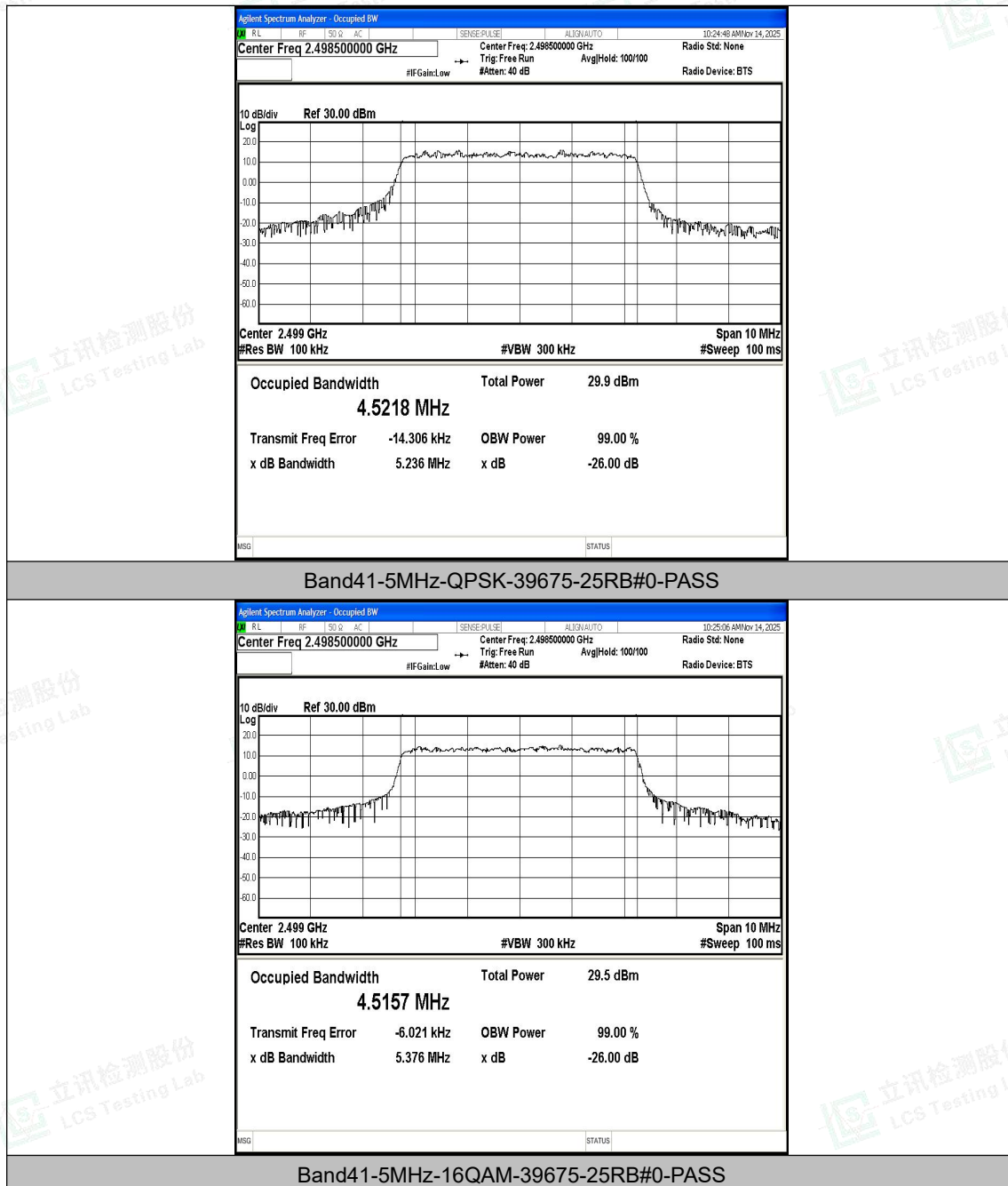
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band41	5MHz	QPSK	39675	25RB#0	4.5218	5.236	PASS
Band41	5MHz	16QAM	39675	25RB#0	4.5157	5.376	PASS
Band41	5MHz	QPSK	40620	25RB#0	4.5168	5.267	PASS
Band41	5MHz	16QAM	40620	25RB#0	4.5141	5.381	PASS
Band41	5MHz	QPSK	41565	25RB#0	4.5015	5.195	PASS
Band41	5MHz	16QAM	41565	25RB#0	4.5025	5.273	PASS
Band41	10MHz	QPSK	39700	50RB#0	8.9993	10.09	PASS
Band41	10MHz	16QAM	39700	50RB#0	8.9931	10.01	PASS
Band41	10MHz	QPSK	40620	50RB#0	8.9761	9.956	PASS
Band41	10MHz	16QAM	40620	50RB#0	8.9597	10.20	PASS
Band41	10MHz	QPSK	41540	50RB#0	9.0034	10.22	PASS
Band41	10MHz	16QAM	41540	50RB#0	9.0025	11.25	PASS
Band41	15MHz	QPSK	39725	75RB#0	13.544	16.81	PASS
Band41	15MHz	16QAM	39725	75RB#0	13.528	15.49	PASS
Band41	15MHz	QPSK	40620	75RB#0	13.533	16.06	PASS
Band41	15MHz	16QAM	40620	75RB#0	13.520	15.25	PASS
Band41	15MHz	QPSK	41515	75RB#0	13.494	15.86	PASS
Band41	15MHz	16QAM	41515	75RB#0	13.494	15.28	PASS
Band41	20MHz	QPSK	39750	100RB#0	18.029	20.76	PASS
Band41	20MHz	16QAM	39750	100RB#0	18.013	20.51	PASS
Band41	20MHz	QPSK	40620	100RB#0	17.937	20.10	PASS
Band41	20MHz	16QAM	40620	100RB#0	17.979	20.28	PASS
Band41	20MHz	QPSK	41490	100RB#0	17.994	20.11	PASS
Band41	20MHz	16QAM	41490	100RB#0	17.937	20.23	PASS



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Test Graphs



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