



Appendix R: Test Data for E-UTRA Band 41

Product Name: TD-LTE digital mobile phone

Test Model: M17 Pro

Environmental Conditions

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



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R.1 Conducted Output Power Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band41	5MHz	QPSK	39675	1RB#0	22.02	PASS
Band41	5MHz	16QAM	39675	1RB#0	21.98	PASS
Band41	5MHz	QPSK	39675	1RB#12	21.98	PASS
Band41	5MHz	16QAM	39675	1RB#12	21.99	PASS
Band41	5MHz	QPSK	39675	1RB#24	21.78	PASS
Band41	5MHz	16QAM	39675	1RB#24	21.92	PASS
Band41	5MHz	QPSK	39675	12RB#0	20.92	PASS
Band41	5MHz	16QAM	39675	12RB#0	20.34	PASS
Band41	5MHz	QPSK	39675	12RB#6	21.31	PASS
Band41	5MHz	16QAM	39675	12RB#6	20.34	PASS
Band41	5MHz	QPSK	39675	12RB#13	21.24	PASS
Band41	5MHz	16QAM	39675	12RB#13	20.40	PASS
Band41	5MHz	QPSK	39675	25RB#0	21.22	PASS
Band41	5MHz	16QAM	39675	25RB#0	20.55	PASS
Band41	5MHz	QPSK	40620	1RB#0	22.19	PASS
Band41	5MHz	16QAM	40620	1RB#0	21.73	PASS
Band41	5MHz	QPSK	40620	1RB#12	22.09	PASS
Band41	5MHz	16QAM	40620	1RB#12	21.91	PASS
Band41	5MHz	QPSK	40620	1RB#24	22.15	PASS
Band41	5MHz	16QAM	40620	1RB#24	21.72	PASS
Band41	5MHz	QPSK	40620	12RB#0	21.24	PASS
Band41	5MHz	16QAM	40620	12RB#0	20.42	PASS
Band41	5MHz	QPSK	40620	12RB#6	21.21	PASS
Band41	5MHz	16QAM	40620	12RB#6	20.43	PASS
Band41	5MHz	QPSK	40620	12RB#13	21.19	PASS
Band41	5MHz	16QAM	40620	12RB#13	20.39	PASS
Band41	5MHz	QPSK	40620	25RB#0	21.22	PASS
Band41	5MHz	16QAM	40620	25RB#0	20.46	PASS
Band41	5MHz	QPSK	41565	1RB#0	21.97	PASS
Band41	5MHz	16QAM	41565	1RB#0	21.28	PASS
Band41	5MHz	QPSK	41565	1RB#12	21.89	PASS
Band41	5MHz	16QAM	41565	1RB#12	21.51	PASS
Band41	5MHz	QPSK	41565	1RB#24	21.98	PASS
Band41	5MHz	16QAM	41565	1RB#24	21.43	PASS
Band41	5MHz	QPSK	41565	12RB#0	21.10	PASS



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Band41	5MHz	16QAM	41565	12RB#0	20.31	PASS
Band41	5MHz	QPSK	41565	12RB#6	21.11	PASS
Band41	5MHz	16QAM	41565	12RB#6	20.32	PASS
Band41	5MHz	QPSK	41565	12RB#13	21.04	PASS
Band41	5MHz	16QAM	41565	12RB#13	20.25	PASS
Band41	5MHz	QPSK	41565	25RB#0	21.03	PASS
Band41	5MHz	16QAM	41565	25RB#0	20.32	PASS
Band41	10MHz	QPSK	39700	1RB#0	22.87	PASS
Band41	10MHz	16QAM	39700	1RB#0	22.55	PASS
Band41	10MHz	QPSK	39700	1RB#24	22.82	PASS
Band41	10MHz	16QAM	39700	1RB#24	22.51	PASS
Band41	10MHz	QPSK	39700	1RB#49	22.93	PASS
Band41	10MHz	16QAM	39700	1RB#49	22.61	PASS
Band41	10MHz	QPSK	39700	25RB#0	21.88	PASS
Band41	10MHz	16QAM	39700	25RB#0	21.04	PASS
Band41	10MHz	QPSK	39700	25RB#12	21.75	PASS
Band41	10MHz	16QAM	39700	25RB#12	21.04	PASS
Band41	10MHz	QPSK	39700	25RB#25	21.92	PASS
Band41	10MHz	16QAM	39700	25RB#25	21.10	PASS
Band41	10MHz	QPSK	39700	50RB#0	21.79	PASS
Band41	10MHz	16QAM	39700	50RB#0	21.07	PASS
Band41	10MHz	QPSK	40620	1RB#0	22.54	PASS
Band41	10MHz	16QAM	40620	1RB#0	22.20	PASS
Band41	10MHz	QPSK	40620	1RB#24	22.49	PASS
Band41	10MHz	16QAM	40620	1RB#24	21.99	PASS
Band41	10MHz	QPSK	40620	1RB#49	22.46	PASS
Band41	10MHz	16QAM	40620	1RB#49	22.12	PASS
Band41	10MHz	QPSK	40620	25RB#0	21.44	PASS
Band41	10MHz	16QAM	40620	25RB#0	20.62	PASS
Band41	10MHz	QPSK	40620	25RB#12	21.45	PASS
Band41	10MHz	16QAM	40620	25RB#12	20.62	PASS
Band41	10MHz	QPSK	40620	25RB#25	21.48	PASS
Band41	10MHz	16QAM	40620	25RB#25	20.63	PASS
Band41	10MHz	QPSK	40620	50RB#0	21.22	PASS
Band41	10MHz	16QAM	40620	50RB#0	20.52	PASS
Band41	10MHz	QPSK	41540	1RB#0	22.25	PASS
Band41	10MHz	16QAM	41540	1RB#0	21.98	PASS
Band41	10MHz	QPSK	41540	1RB#24	22.33	PASS
Band41	10MHz	16QAM	41540	1RB#24	21.96	PASS
Band41	10MHz	16QAM	41540	1RB#49	21.85	PASS



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Band41	10MHz	QPSK	41540	25RB#0	21.17	PASS
Band41	10MHz	16QAM	41540	25RB#0	20.43	PASS
Band41	10MHz	QPSK	41540	25RB#12	21.18	PASS
Band41	10MHz	16QAM	41540	25RB#12	20.43	PASS
Band41	10MHz	QPSK	41540	25RB#25	21.27	PASS
Band41	15MHz	QPSK	39725	1RB#38	22.38	PASS
Band41	15MHz	16QAM	39725	1RB#38	21.70	PASS
Band41	15MHz	QPSK	39725	1RB#74	22.41	PASS
Band41	15MHz	16QAM	39725	1RB#74	21.86	PASS
Band41	15MHz	QPSK	39725	38RB#0	21.53	PASS
Band41	15MHz	16QAM	39725	38RB#0	21.52	PASS
Band41	15MHz	QPSK	39725	38RB#18	21.52	PASS
Band41	15MHz	16QAM	39725	75RB#0	20.90	PASS
Band41	15MHz	QPSK	40620	1RB#0	22.52	PASS
Band41	15MHz	16QAM	40620	1RB#0	22.15	PASS
Band41	15MHz	QPSK	40620	1RB#38	22.48	PASS
Band41	15MHz	16QAM	40620	1RB#38	22.12	PASS
Band41	15MHz	QPSK	40620	1RB#74	22.45	PASS
Band41	15MHz	16QAM	40620	1RB#74	22.14	PASS
Band41	15MHz	QPSK	40620	38RB#0	21.44	PASS
Band41	15MHz	16QAM	40620	38RB#0	21.44	PASS
Band41	15MHz	QPSK	40620	38RB#18	21.44	PASS
Band41	15MHz	16QAM	40620	38RB#18	21.44	PASS
Band41	15MHz	QPSK	40620	38RB#37	21.44	PASS
Band41	15MHz	16QAM	40620	38RB#37	21.44	PASS
Band41	15MHz	QPSK	40620	75RB#0	21.44	PASS
Band41	15MHz	16QAM	40620	75RB#0	20.65	PASS
Band41	15MHz	QPSK	41515	1RB#0	22.30	PASS
Band41	15MHz	16QAM	41515	1RB#0	21.91	PASS
Band41	15MHz	QPSK	41515	1RB#38	22.25	PASS
Band41	15MHz	16QAM	41515	1RB#38	21.91	PASS
Band41	15MHz	QPSK	41515	1RB#74	22.24	PASS
Band41	15MHz	16QAM	41515	1RB#74	21.85	PASS
Band41	15MHz	QPSK	41515	38RB#0	21.23	PASS
Band41	15MHz	16QAM	41515	38RB#0	21.26	PASS
Band41	15MHz	QPSK	41515	38RB#18	21.23	PASS
Band41	15MHz	16QAM	41515	38RB#18	21.30	PASS
Band41	15MHz	QPSK	41515	38RB#37	21.22	PASS
Band41	15MHz	16QAM	41515	38RB#37	21.22	PASS
Band41	15MHz	QPSK	41515	75RB#0	21.25	PASS



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Band41	15MHz	16QAM	41515	75RB#0	20.45	PASS
Band41	20MHz	16QAM	39750	1RB#0	21.87	PASS
Band41	20MHz	QPSK	39750	1RB#49	22.49	PASS
Band41	20MHz	16QAM	39750	1RB#49	21.88	PASS
Band41	20MHz	QPSK	39750	1RB#99	22.65	PASS
Band41	20MHz	16QAM	39750	1RB#99	22.03	PASS
Band41	20MHz	16QAM	39750	50RB#0	21.30	PASS
Band41	20MHz	QPSK	39750	50RB#25	21.80	PASS
Band41	20MHz	16QAM	39750	50RB#25	21.30	PASS
Band41	20MHz	QPSK	39750	50RB#50	22.01	PASS
Band41	20MHz	16QAM	39750	50RB#50	21.41	PASS
Band41	20MHz	QPSK	39750	100RB#0	21.96	PASS
Band41	20MHz	16QAM	39750	100RB#0	21.12	PASS
Band41	20MHz	QPSK	40620	1RB#0	22.22	PASS
Band41	20MHz	16QAM	40620	1RB#0	22.02	PASS
Band41	20MHz	QPSK	40620	1RB#49	22.14	PASS
Band41	20MHz	16QAM	40620	1RB#49	21.82	PASS
Band41	20MHz	QPSK	40620	1RB#99	22.06	PASS
Band41	20MHz	16QAM	40620	1RB#99	21.81	PASS
Band41	20MHz	QPSK	40620	50RB#0	21.45	PASS
Band41	20MHz	QPSK	40620	50RB#25	21.46	PASS
Band41	20MHz	16QAM	40620	50RB#25	20.83	PASS
Band41	20MHz	QPSK	40620	50RB#50	21.19	PASS
Band41	20MHz	16QAM	40620	50RB#50	20.52	PASS
Band41	20MHz	QPSK	40620	100RB#0	21.20	PASS
Band41	20MHz	16QAM	40620	100RB#0	20.58	PASS
Band41	20MHz	QPSK	41490	1RB#0	22.01	PASS
Band41	20MHz	16QAM	41490	1RB#0	21.88	PASS
Band41	20MHz	QPSK	41490	1RB#49	21.99	PASS
Band41	20MHz	16QAM	41490	1RB#49	21.98	PASS
Band41	20MHz	QPSK	41490	1RB#99	22.03	PASS
Band41	20MHz	16QAM	41490	1RB#99	21.97	PASS
Band41	20MHz	QPSK	41490	50RB#0	21.31	PASS
Band41	20MHz	16QAM	41490	50RB#0	20.68	PASS
Band41	20MHz	QPSK	41490	50RB#25	21.33	PASS
Band41	20MHz	16QAM	41490	50RB#25	20.52	PASS
Band41	20MHz	QPSK	41490	50RB#50	21.14	PASS
Band41	20MHz	16QAM	41490	50RB#50	20.56	PASS
Band41	20MHz	QPSK	41490	100RB#0	21.21	PASS
Band41	20MHz	16QAM	41490	100RB#0	20.52	PASS



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Band41	10MHz	QPSK	41540	1RB#49	22.35	PASS
Band41	10MHz	16QAM	41540	25RB#25	20.39	PASS
Band41	10MHz	QPSK	41540	50RB#0	21.23	PASS
Band41	10MHz	16QAM	41540	50RB#0	20.42	PASS
Band41	15MHz	QPSK	39725	1RB#0	22.38	PASS
Band41	15MHz	16QAM	39725	1RB#0	21.83	PASS
Band41	15MHz	16QAM	39725	38RB#18	21.51	PASS
Band41	15MHz	QPSK	39725	38RB#37	21.51	PASS
Band41	15MHz	16QAM	39725	38RB#37	21.51	PASS
Band41	15MHz	QPSK	39725	75RB#0	21.51	PASS
Band41	20MHz	QPSK	39750	1RB#0	22.54	PASS
Band41	20MHz	QPSK	39750	50RB#0	21.80	PASS
Band41	20MHz	16QAM	40620	50RB#0	20.83	PASS





R.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	8.20	13	PASS
Band41	5MHz	16QAM	39675	1RB#0	8.50	13	PASS
Band41	5MHz	QPSK	39675	25RB#0	9.00	13	PASS
Band41	5MHz	16QAM	39675	25RB#0	9.53	13	PASS
Band41	5MHz	QPSK	40620	1RB#0	8.60	13	PASS
Band41	5MHz	16QAM	40620	1RB#0	9.09	13	PASS
Band41	5MHz	QPSK	40620	25RB#0	9.14	13	PASS
Band41	5MHz	16QAM	40620	25RB#0	9.63	13	PASS
Band41	5MHz	QPSK	41565	1RB#0	8.44	13	PASS
Band41	5MHz	16QAM	41565	1RB#0	8.75	13	PASS
Band41	5MHz	QPSK	41565	25RB#0	9.03	13	PASS
Band41	5MHz	16QAM	41565	25RB#0	9.64	13	PASS
Band41	10MHz	QPSK	39700	1RB#0	8.07	13	PASS
Band41	10MHz	16QAM	39700	1RB#0	8.87	13	PASS
Band41	10MHz	QPSK	39700	50RB#0	8.76	13	PASS
Band41	10MHz	16QAM	39700	50RB#0	9.60	13	PASS
Band41	10MHz	QPSK	40620	1RB#0	8.51	13	PASS
Band41	10MHz	16QAM	40620	1RB#0	9.40	13	PASS
Band41	10MHz	QPSK	40620	50RB#0	9.12	13	PASS
Band41	10MHz	16QAM	40620	50RB#0	9.69	13	PASS
Band41	10MHz	QPSK	41540	1RB#0	8.37	13	PASS
Band41	10MHz	16QAM	41540	1RB#0	8.97	13	PASS
Band41	10MHz	QPSK	41540	50RB#0	8.59	13	PASS
Band41	10MHz	16QAM	41540	50RB#0	9.88	13	PASS
Band41	15MHz	QPSK	39725	1RB#0	7.81	13	PASS
Band41	15MHz	16QAM	39725	1RB#0	8.22	13	PASS
Band41	15MHz	QPSK	39725	75RB#0	9.51	13	PASS
Band41	15MHz	16QAM	39725	75RB#0	9.64	13	PASS
Band41	15MHz	QPSK	40620	1RB#0	8.57	13	PASS
Band41	15MHz	16QAM	40620	1RB#0	9.14	13	PASS
Band41	15MHz	QPSK	40620	75RB#0	9.17	13	PASS
Band41	15MHz	16QAM	40620	75RB#0	9.68	13	PASS
Band41	15MHz	QPSK	41515	1RB#0	8.14	13	PASS
Band41	15MHz	16QAM	41515	1RB#0	8.67	13	PASS
Band41	15MHz	QPSK	41515	75RB#0	9.29	13	PASS



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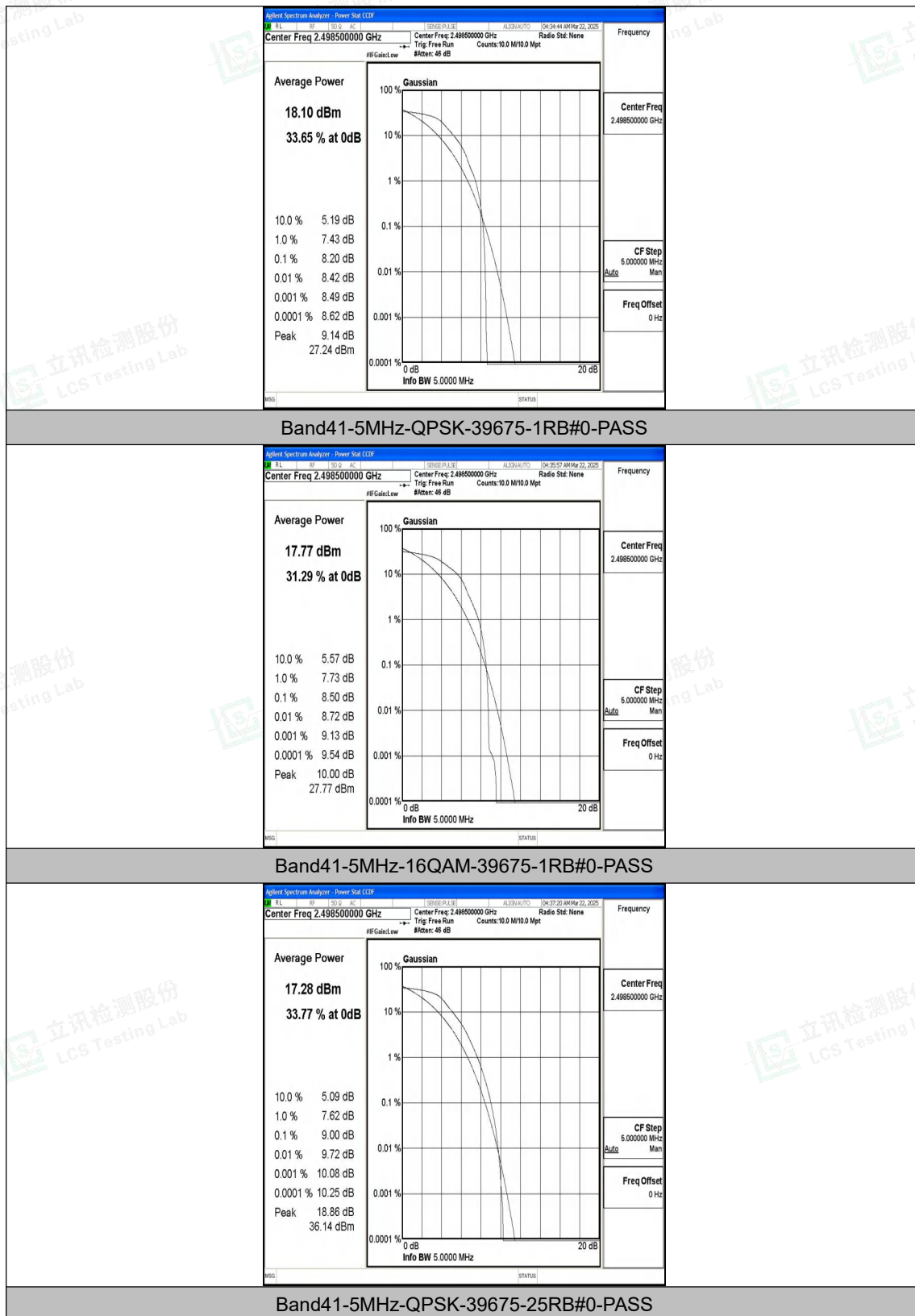


Band41	15MHz	16QAM	41515	75RB#0	9.88	13	PASS
Band41	20MHz	QPSK	39750	1RB#0	8.29	13	PASS
Band41	20MHz	16QAM	39750	1RB#0	8.46	13	PASS
Band41	20MHz	QPSK	39750	100RB#0	8.97	13	PASS
Band41	20MHz	16QAM	39750	100RB#0	9.18	13	PASS
Band41	20MHz	QPSK	40620	1RB#0	8.08	13	PASS
Band41	20MHz	16QAM	40620	1RB#0	8.77	13	PASS
Band41	20MHz	QPSK	40620	100RB#0	9.01	13	PASS
Band41	20MHz	16QAM	40620	100RB#0	9.42	13	PASS
Band41	20MHz	QPSK	41490	1RB#0	8.28	13	PASS
Band41	20MHz	16QAM	41490	1RB#0	8.27	13	PASS
Band41	20MHz	QPSK	41490	100RB#0	8.84	13	PASS
Band41	20MHz	16QAM	41490	100RB#0	9.85	13	PASS





Test Graphs

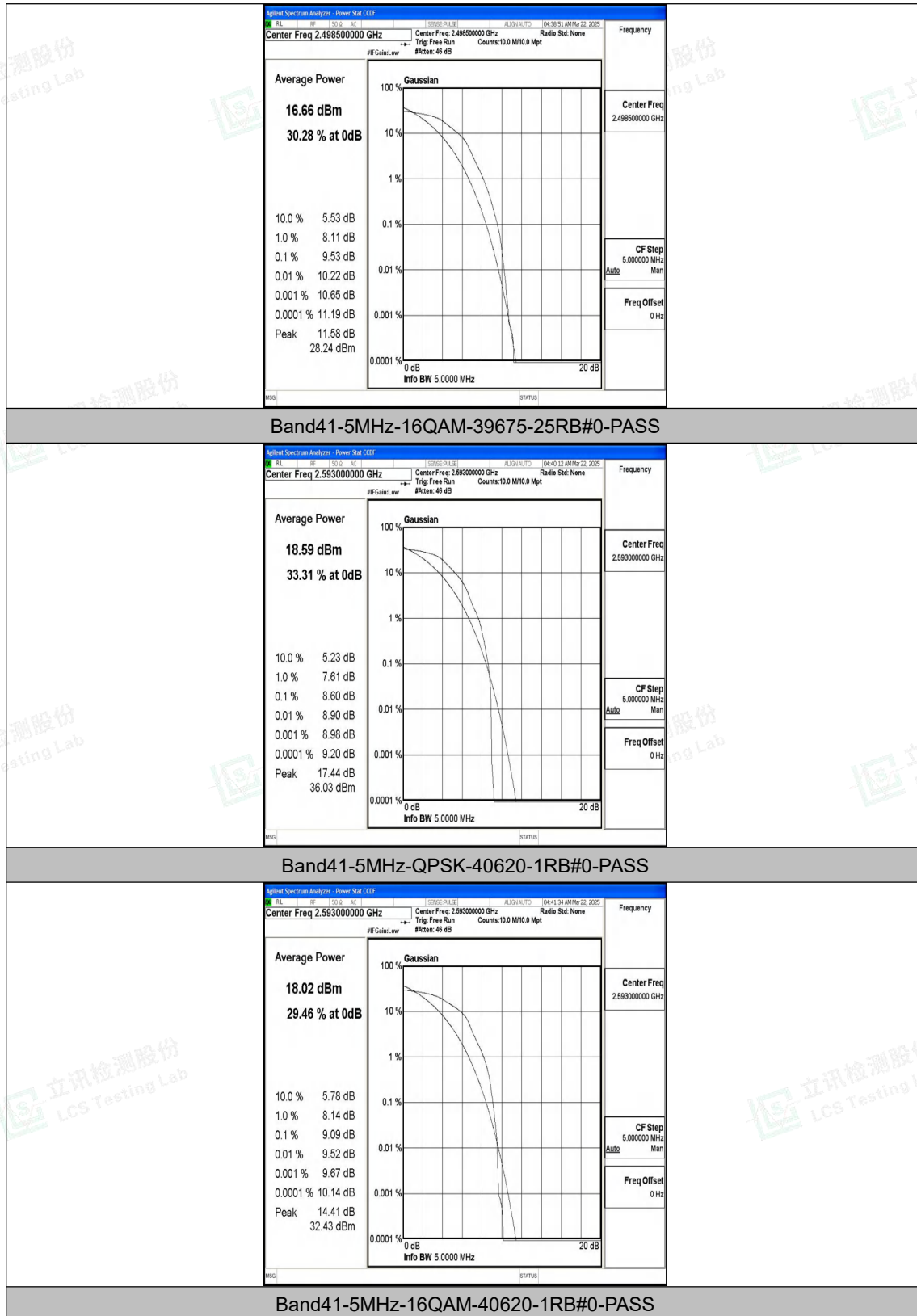


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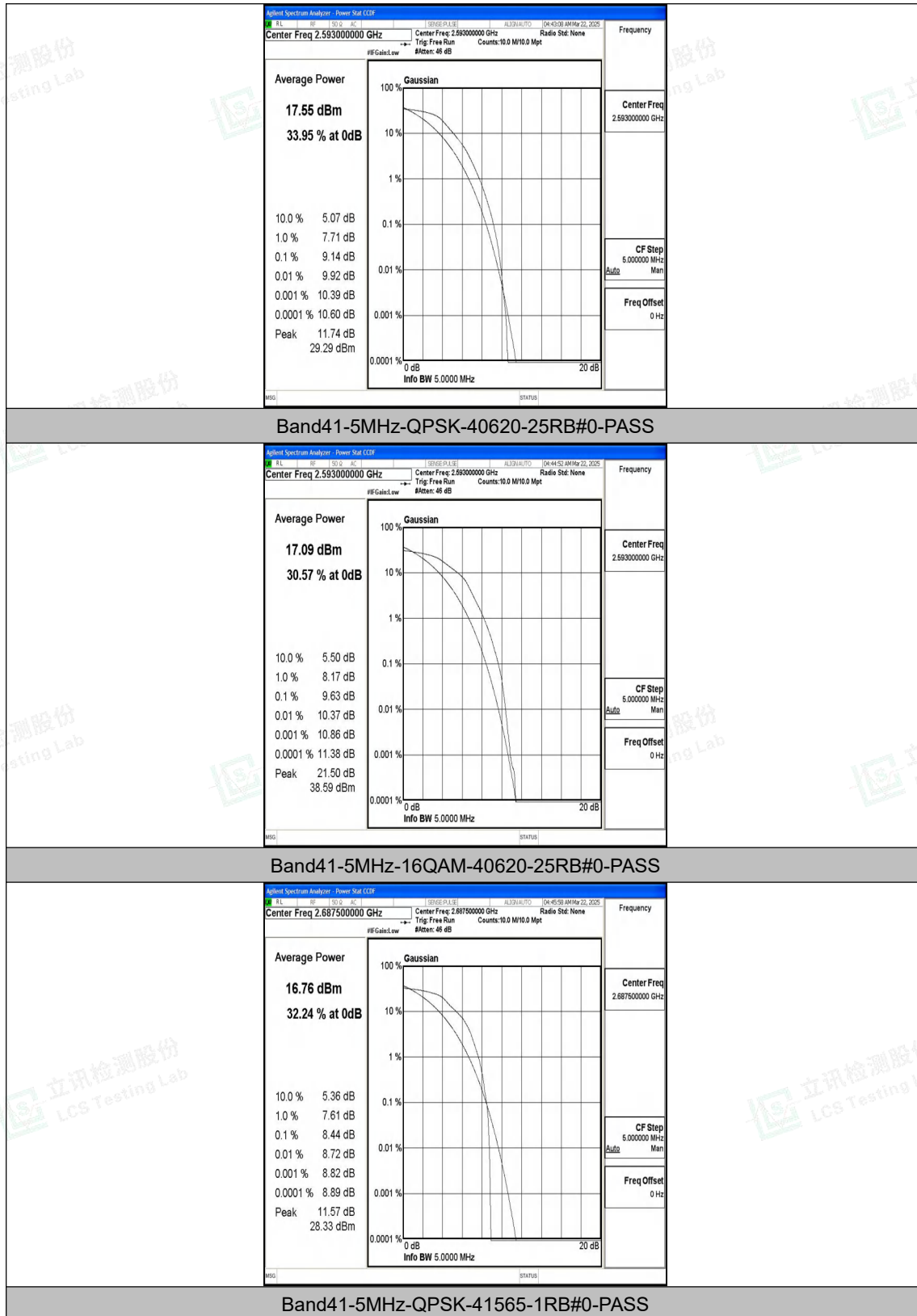


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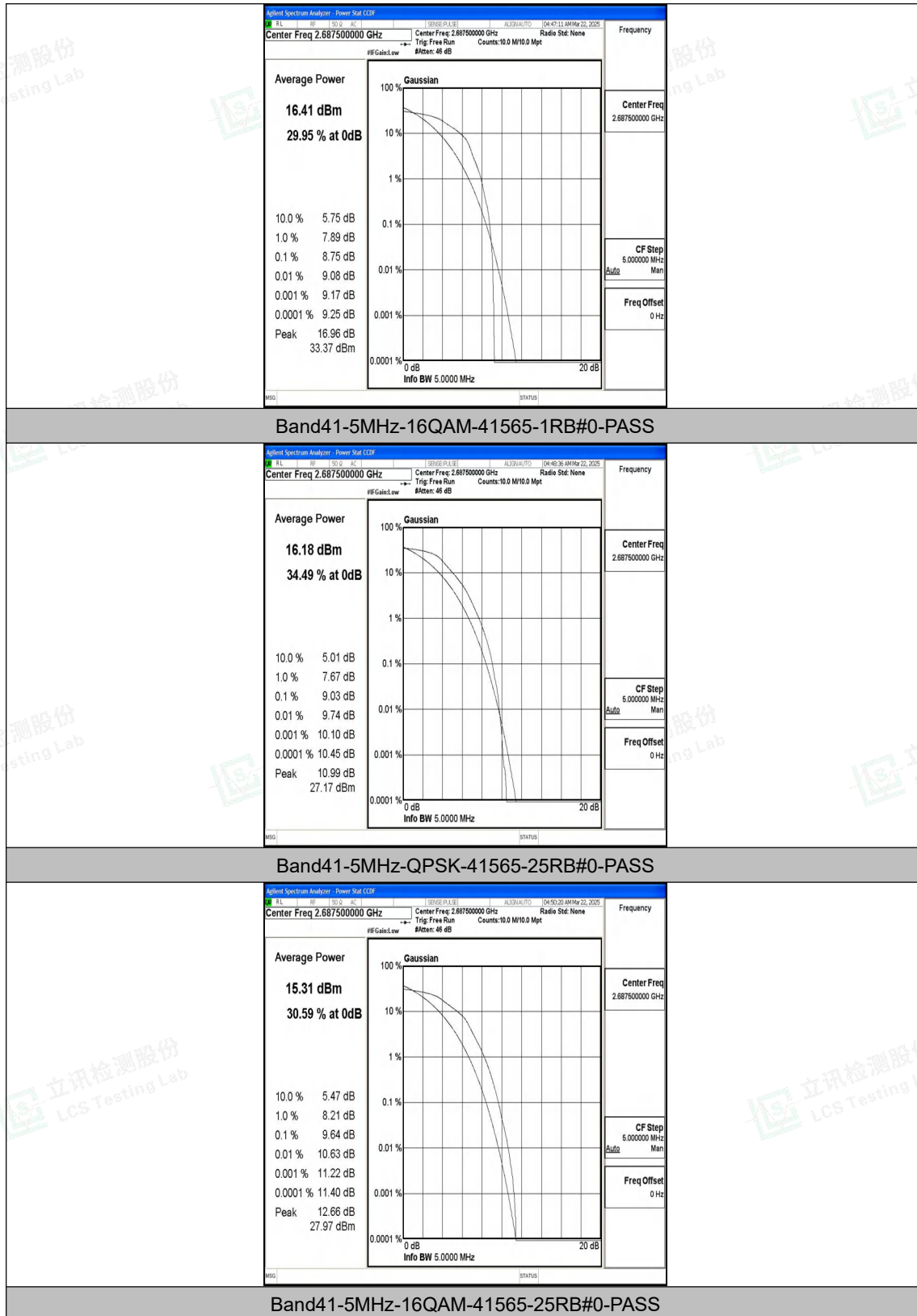


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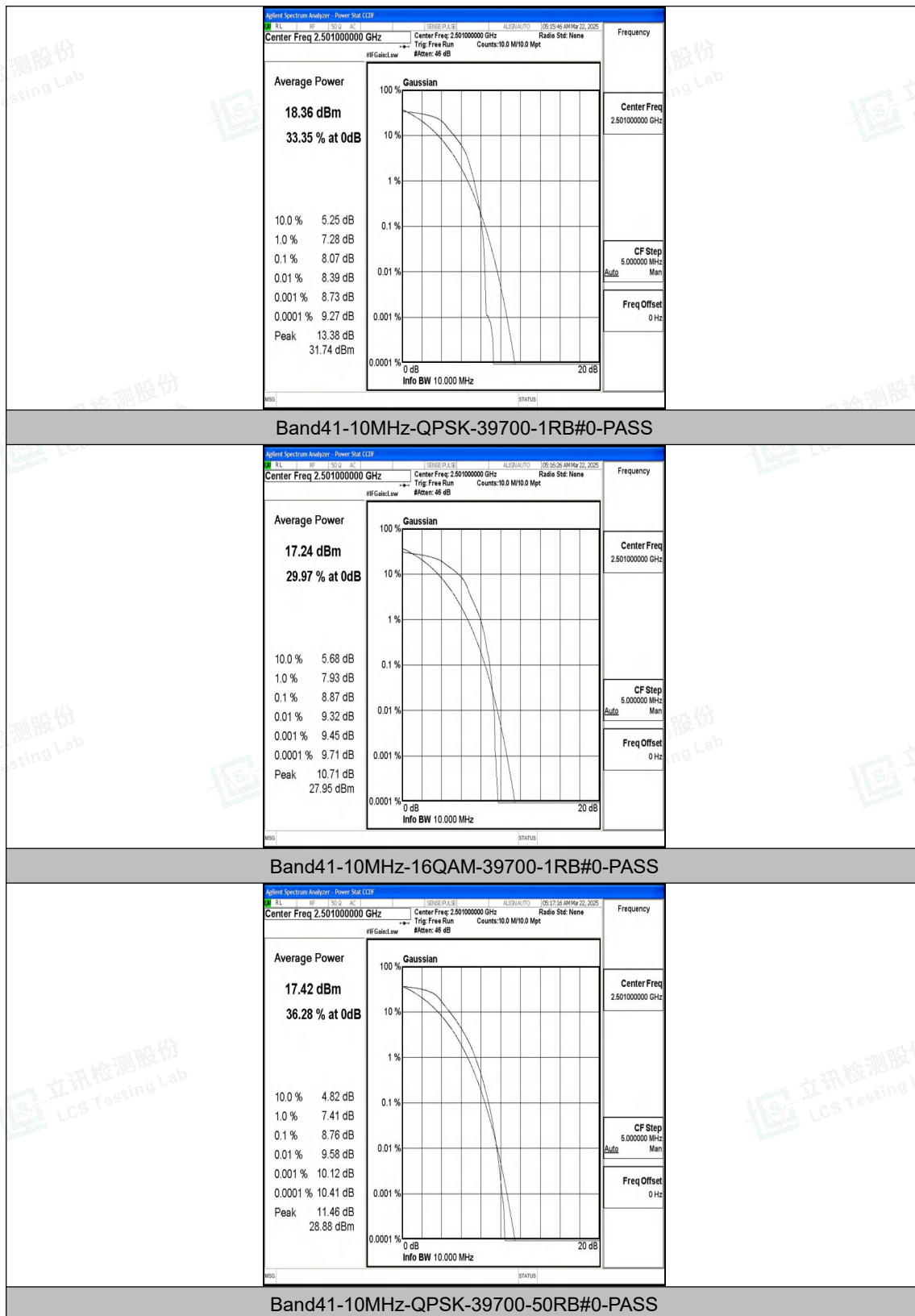


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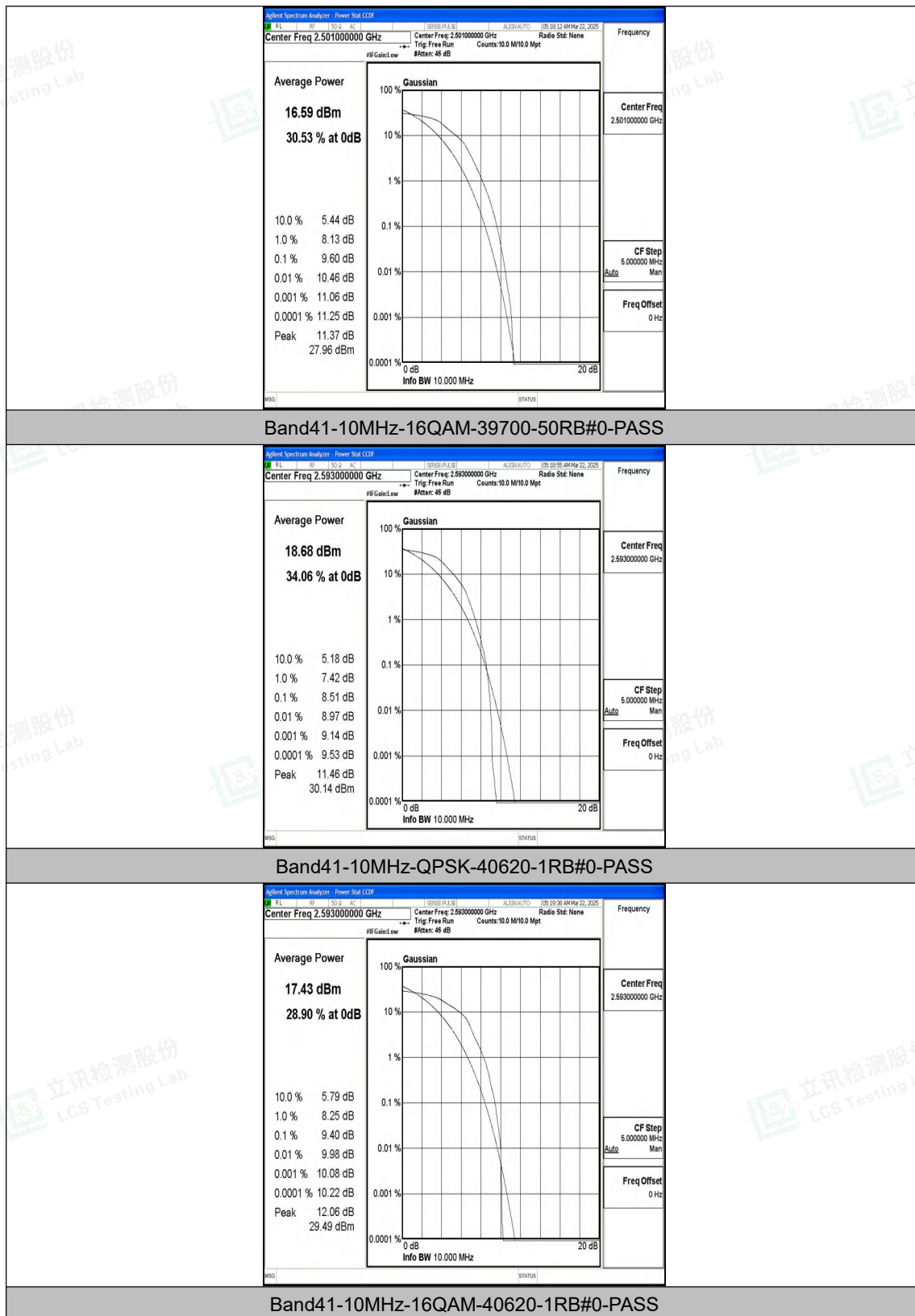


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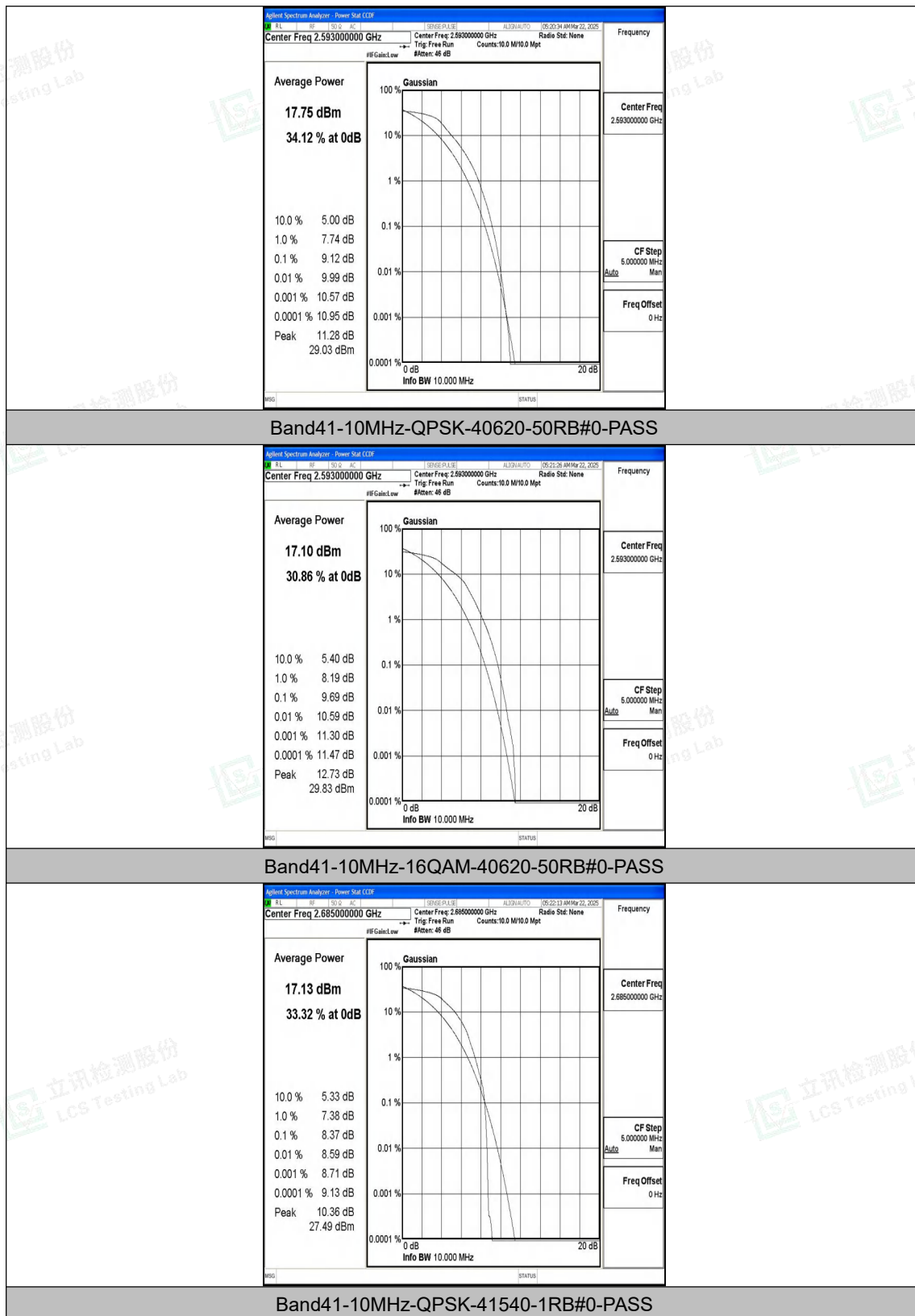


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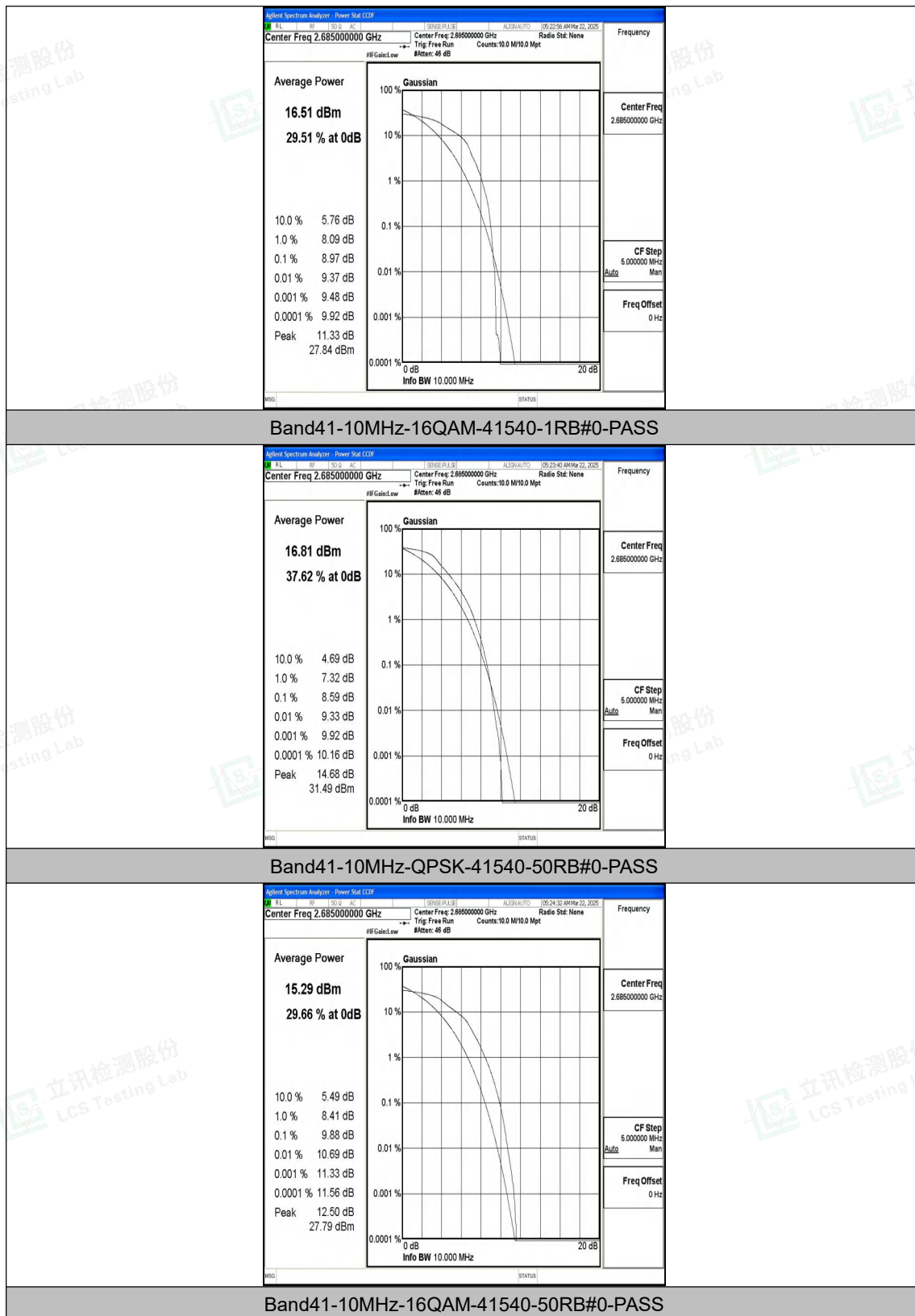


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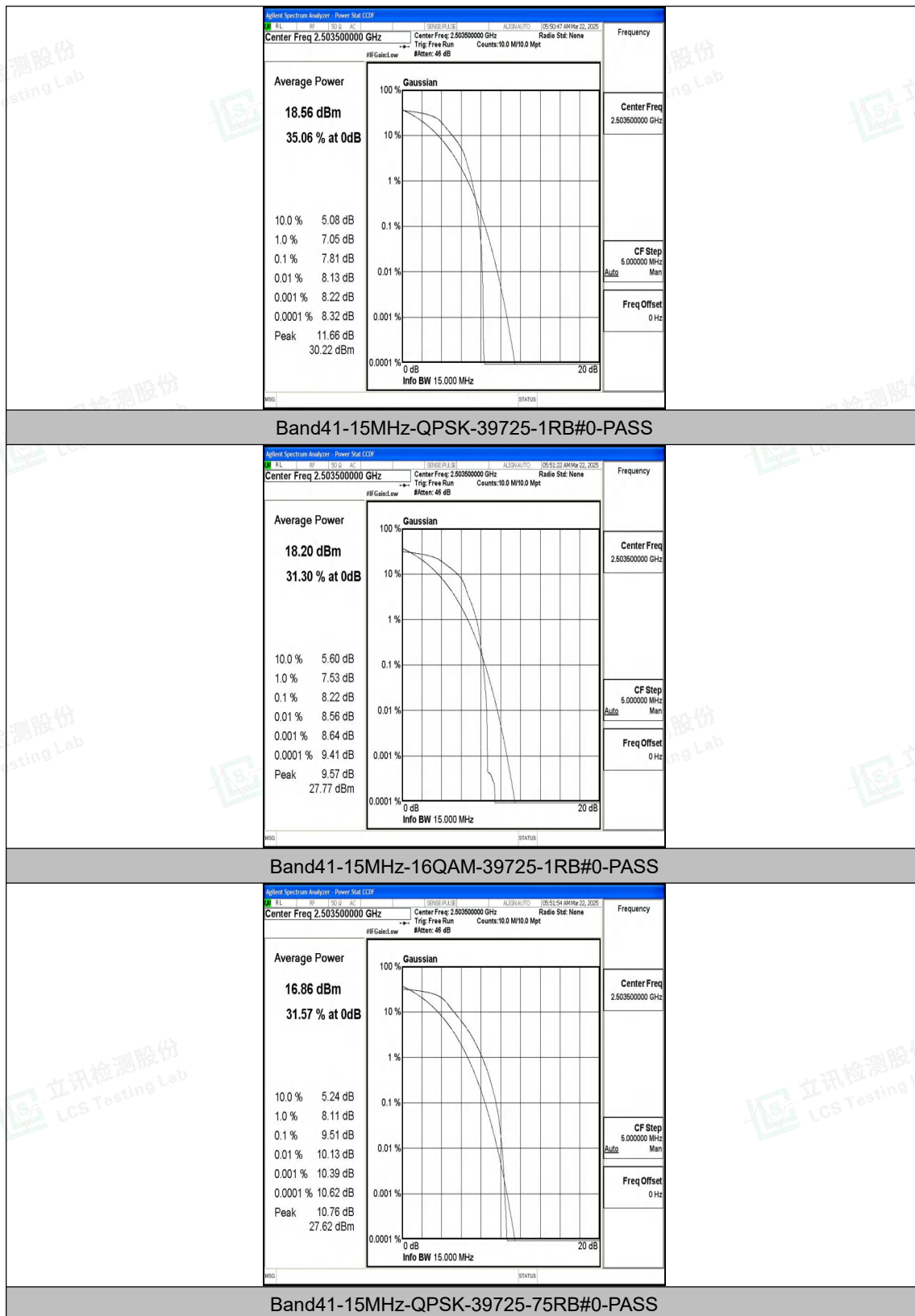


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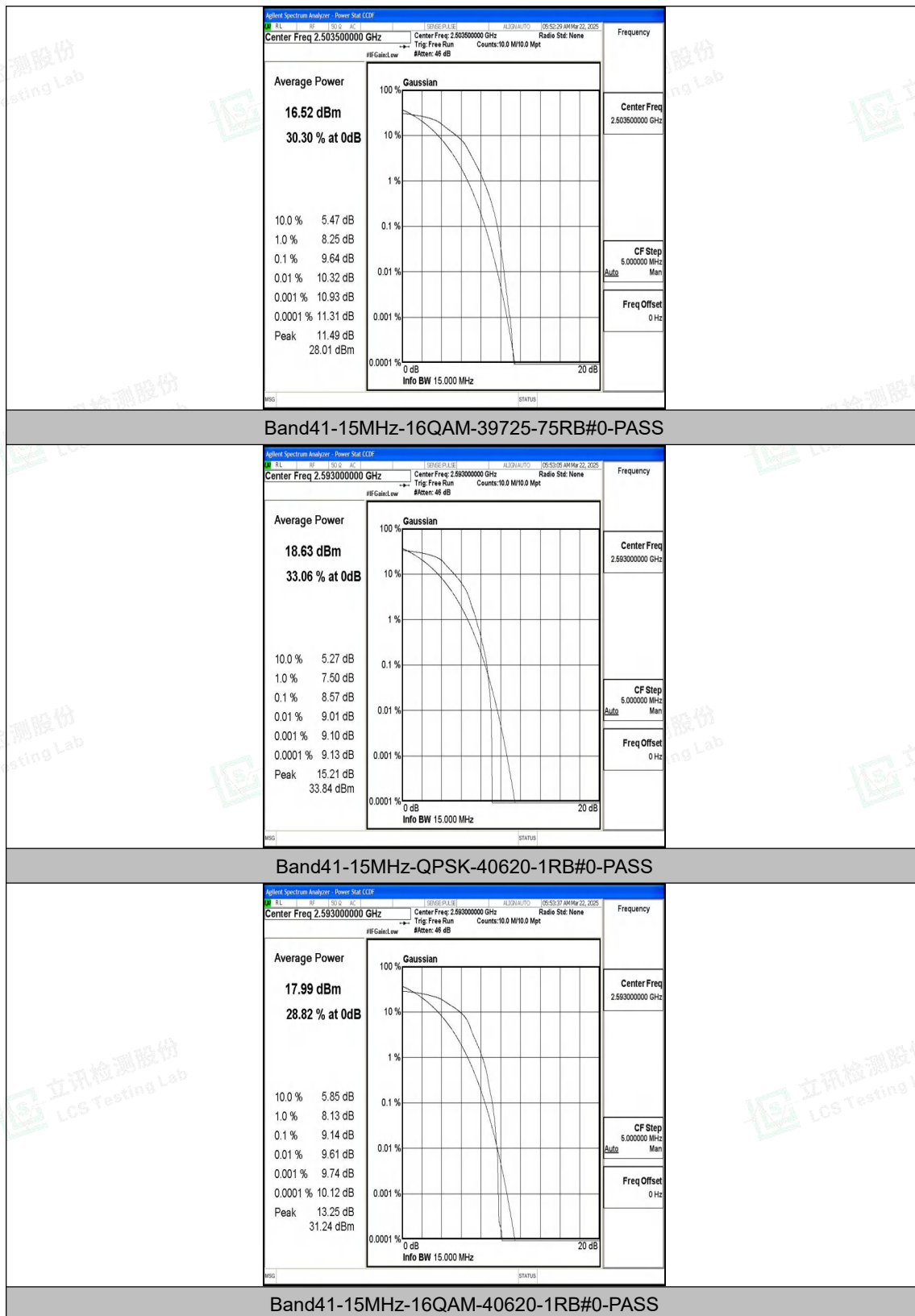


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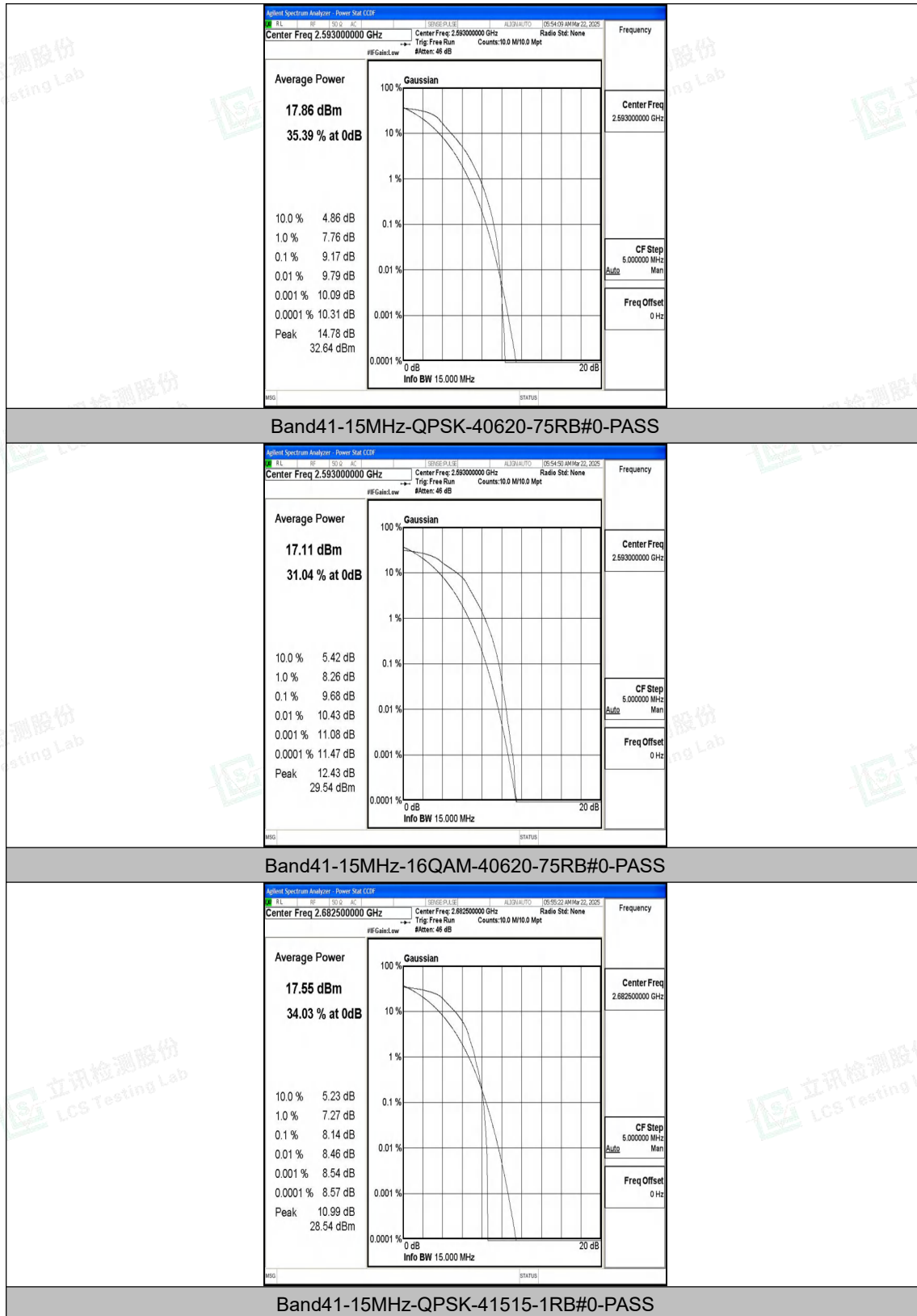


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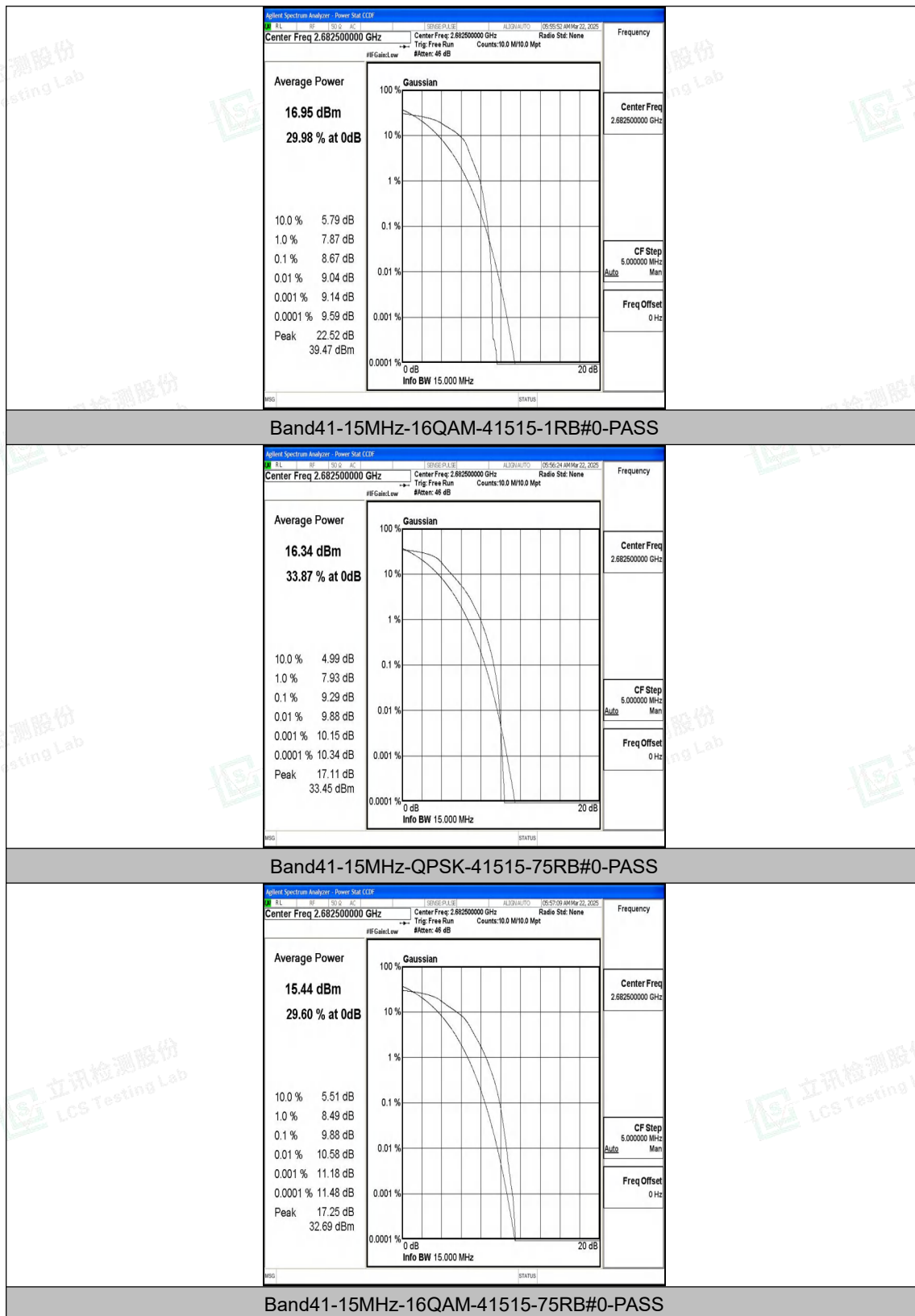


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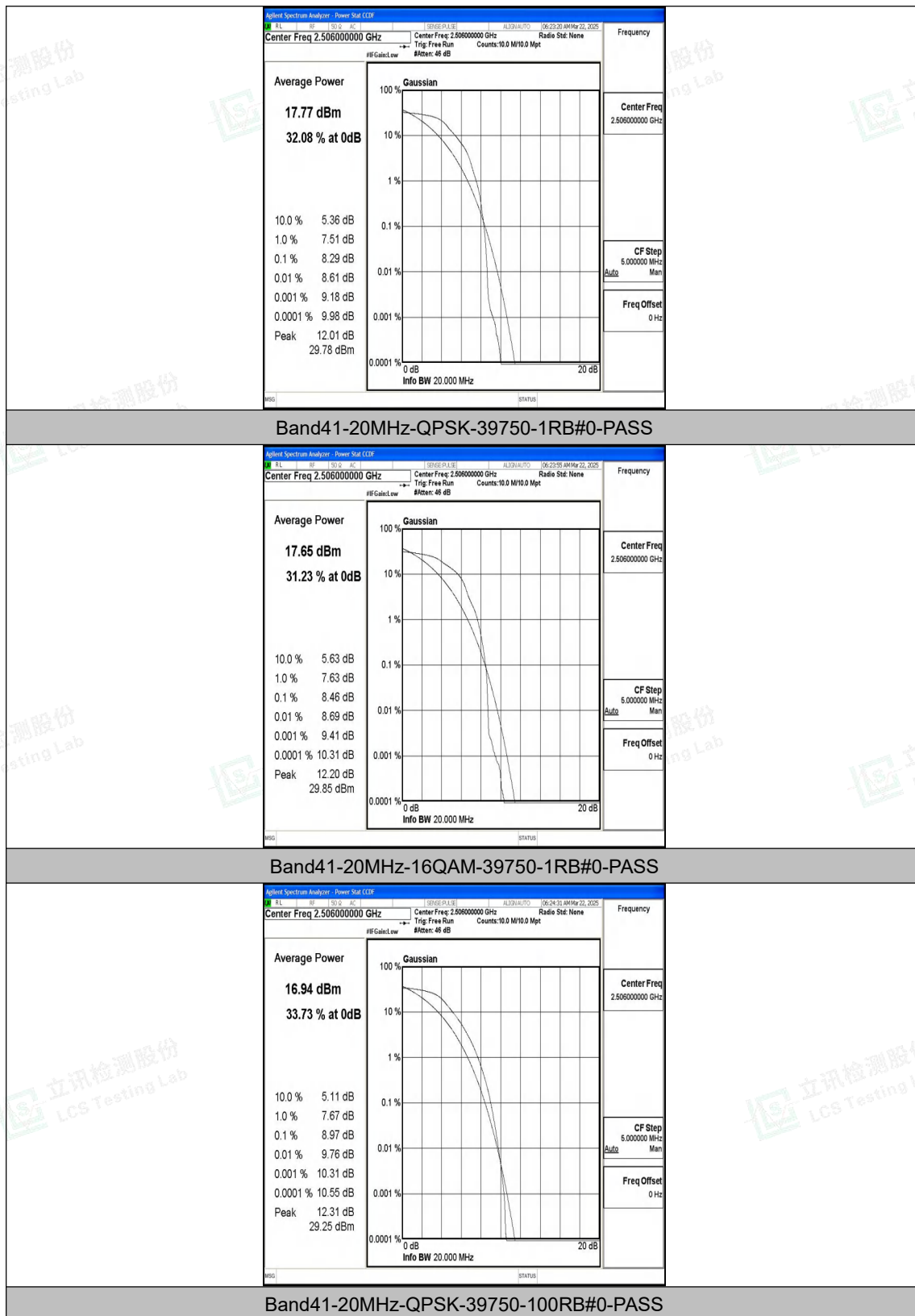


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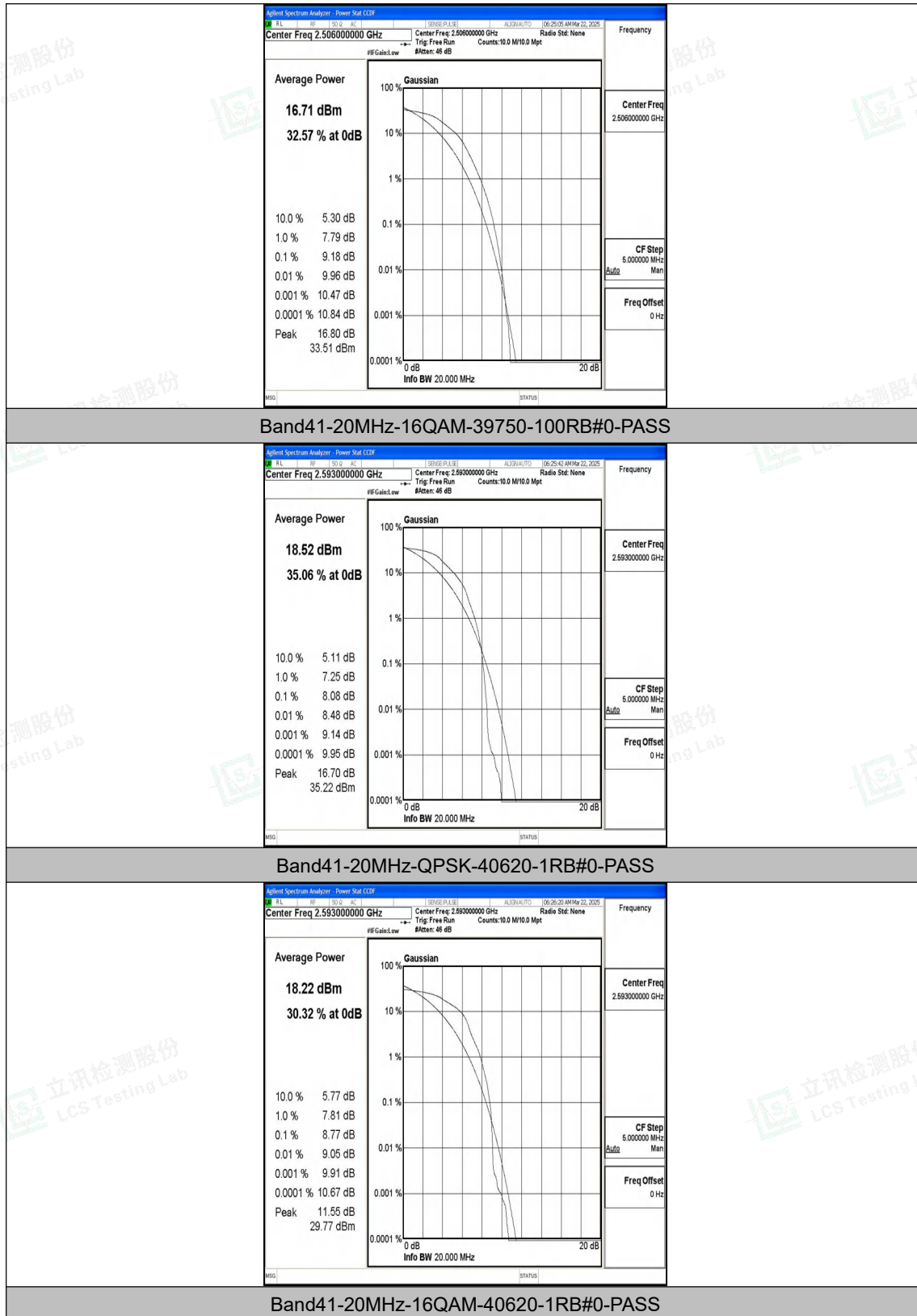


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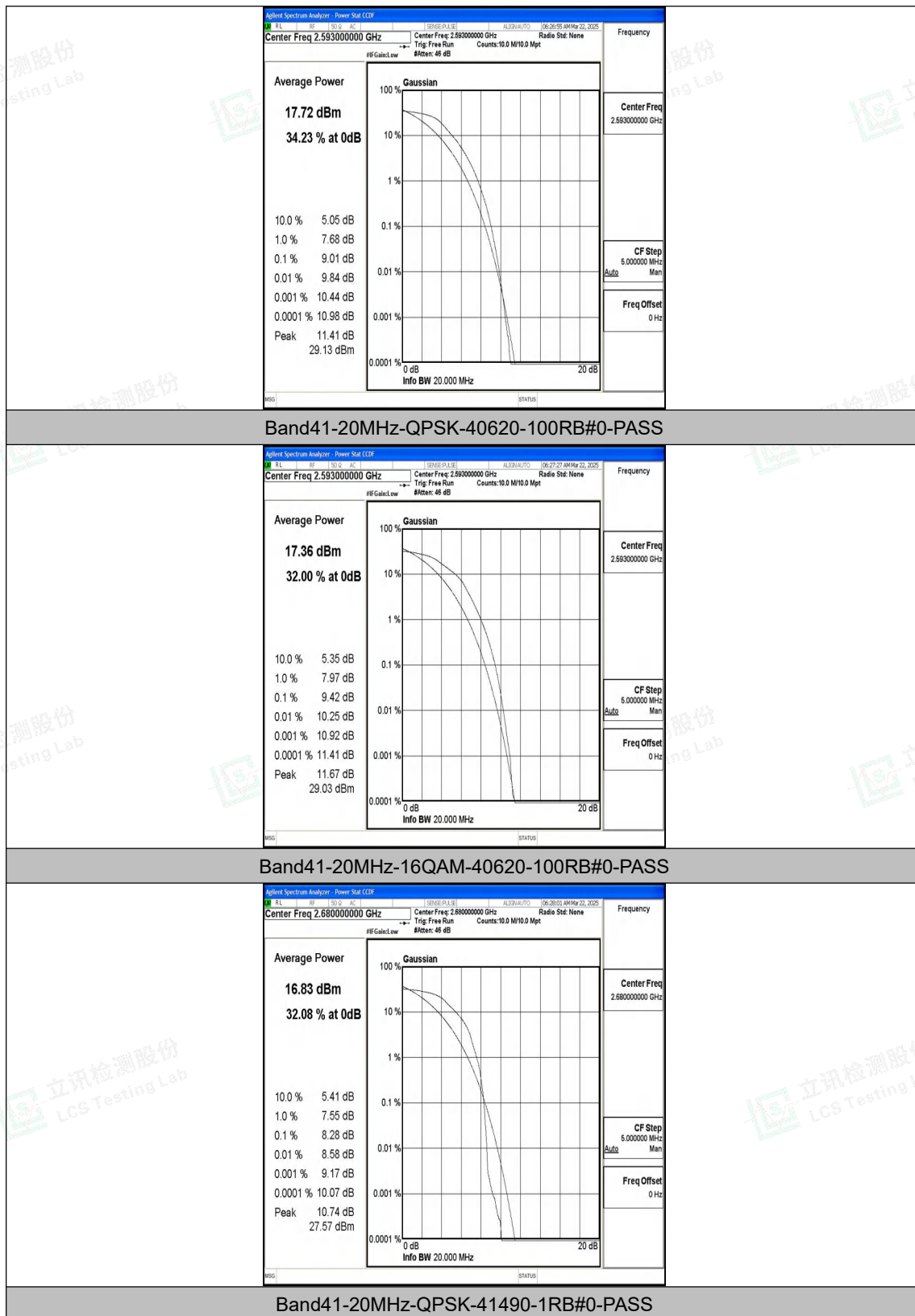


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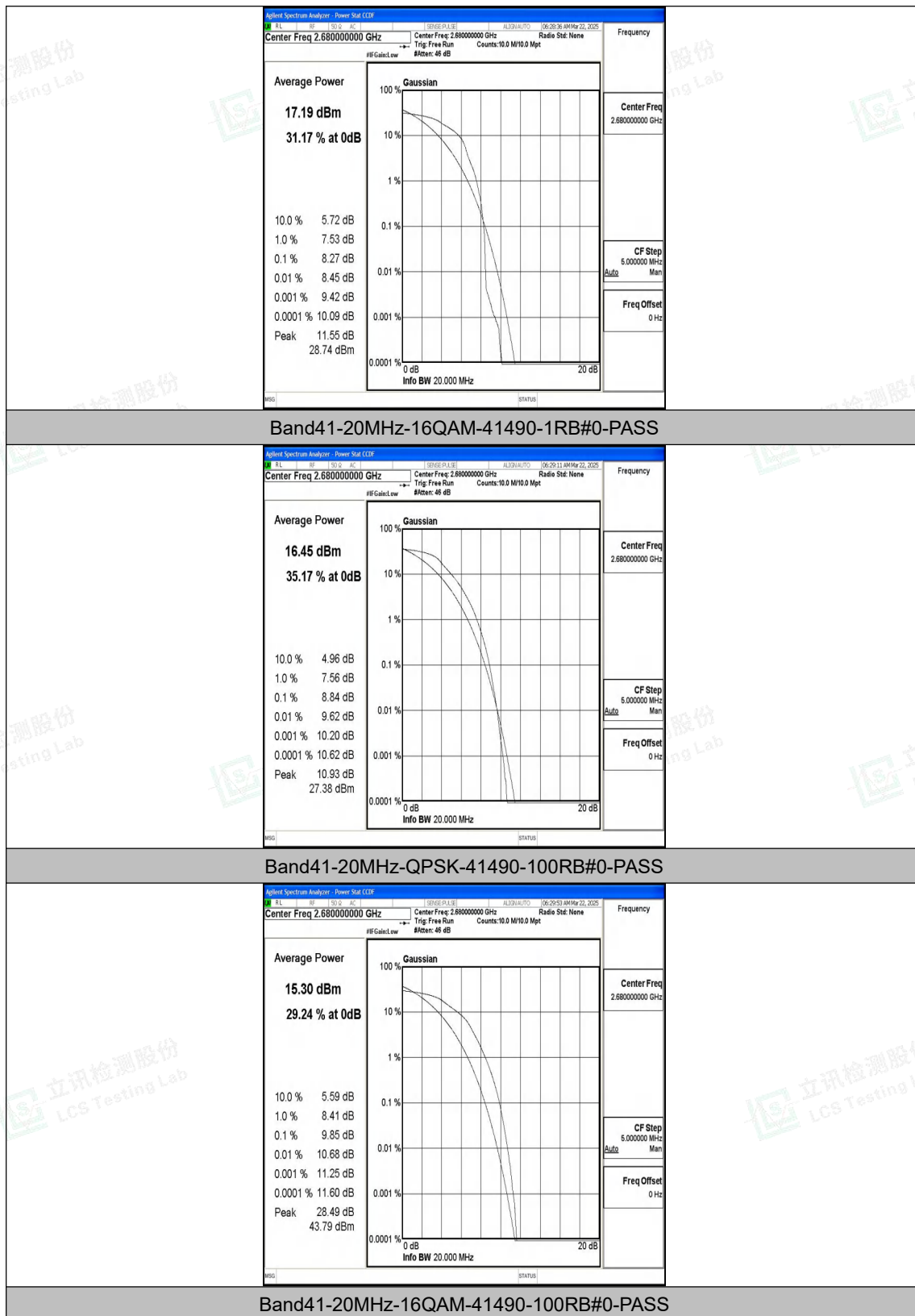


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R.3 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band41	5MHz	QPSK	39675	25RB#0	4.5168	5.253	PASS
Band41	5MHz	16QAM	39675	25RB#0	4.5151	5.298	PASS
Band41	5MHz	QPSK	40620	25RB#0	4.5003	5.219	PASS
Band41	5MHz	16QAM	40620	25RB#0	4.5166	5.391	PASS
Band41	5MHz	QPSK	41565	25RB#0	4.4966	5.193	PASS
Band41	5MHz	16QAM	41565	25RB#0	4.4988	5.304	PASS
Band41	10MHz	QPSK	39700	50RB#0	8.9908	10.12	PASS
Band41	10MHz	16QAM	39700	50RB#0	8.9814	9.888	PASS
Band41	10MHz	QPSK	40620	50RB#0	9.0010	10.08	PASS
Band41	10MHz	16QAM	40620	50RB#0	9.0033	9.748	PASS
Band41	10MHz	QPSK	41540	50RB#0	9.0179	10.31	PASS
Band41	10MHz	16QAM	41540	50RB#0	9.0091	11.01	PASS
Band41	15MHz	QPSK	39725	75RB#0	13.491	15.69	PASS
Band41	15MHz	16QAM	39725	75RB#0	13.346	15.11	PASS
Band41	15MHz	QPSK	40620	75RB#0	13.517	15.63	PASS
Band41	15MHz	16QAM	40620	75RB#0	13.505	15.09	PASS
Band41	15MHz	QPSK	41515	75RB#0	13.487	15.68	PASS
Band41	15MHz	16QAM	41515	75RB#0	13.490	15.20	PASS
Band41	20MHz	QPSK	39750	100RB#0	17.976	21.35	PASS
Band41	20MHz	16QAM	39750	100RB#0	18.024	20.00	PASS
Band41	20MHz	QPSK	40620	100RB#0	17.993	19.75	PASS
Band41	20MHz	16QAM	40620	100RB#0	17.922	20.68	PASS
Band41	20MHz	QPSK	41490	100RB#0	18.006	19.84	PASS
Band41	20MHz	16QAM	41490	100RB#0	17.945	20.23	PASS



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Test Graphs



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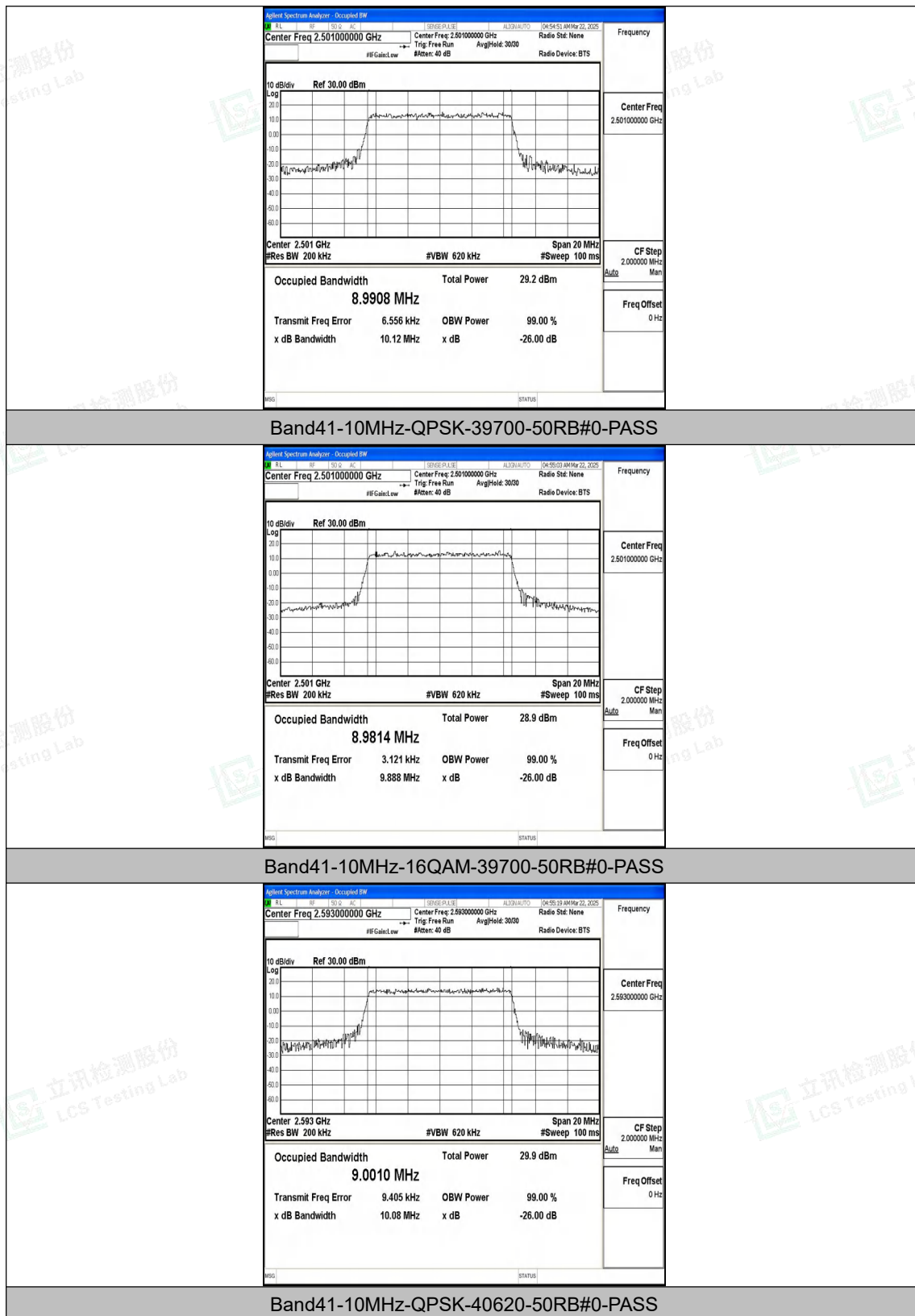


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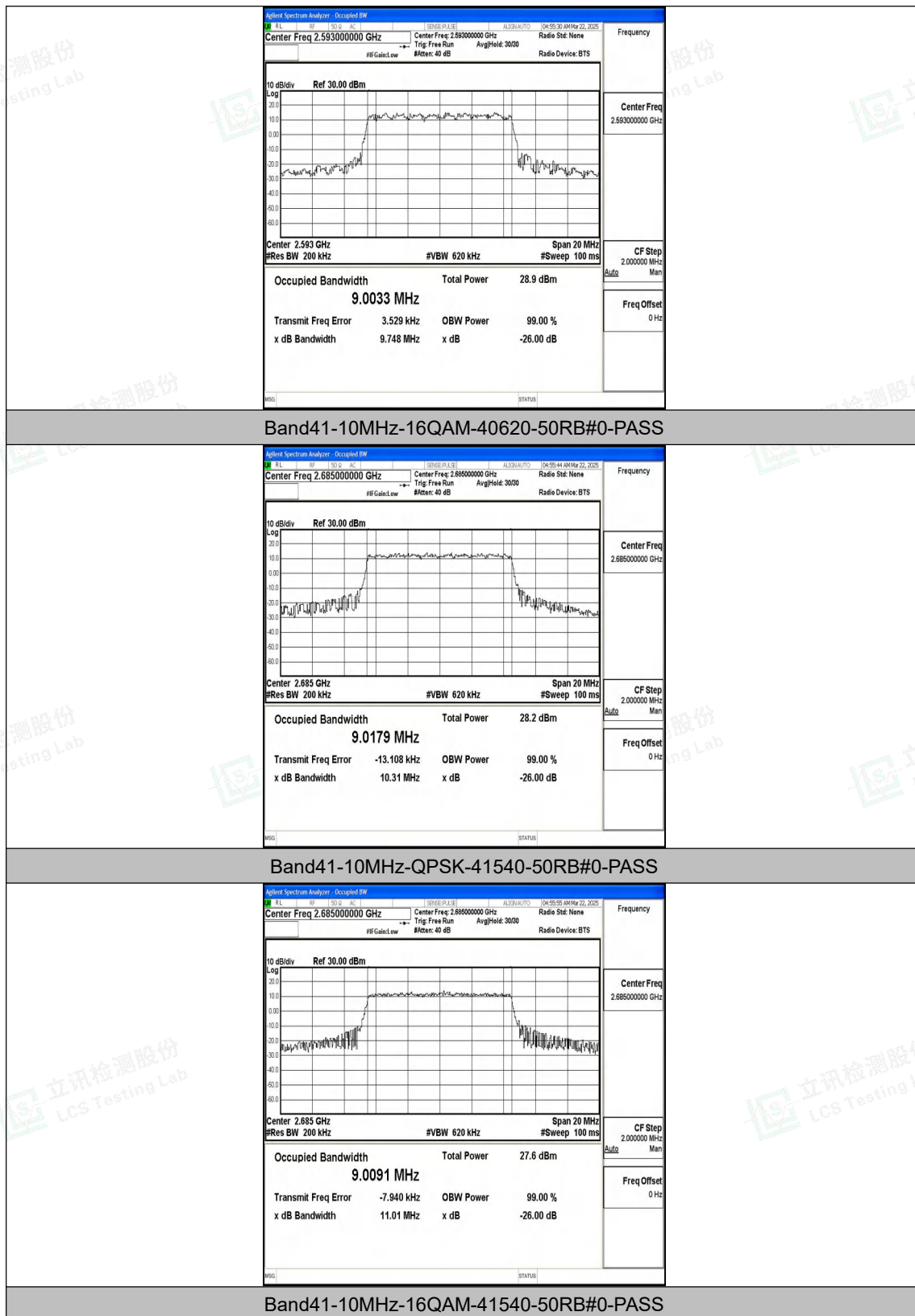


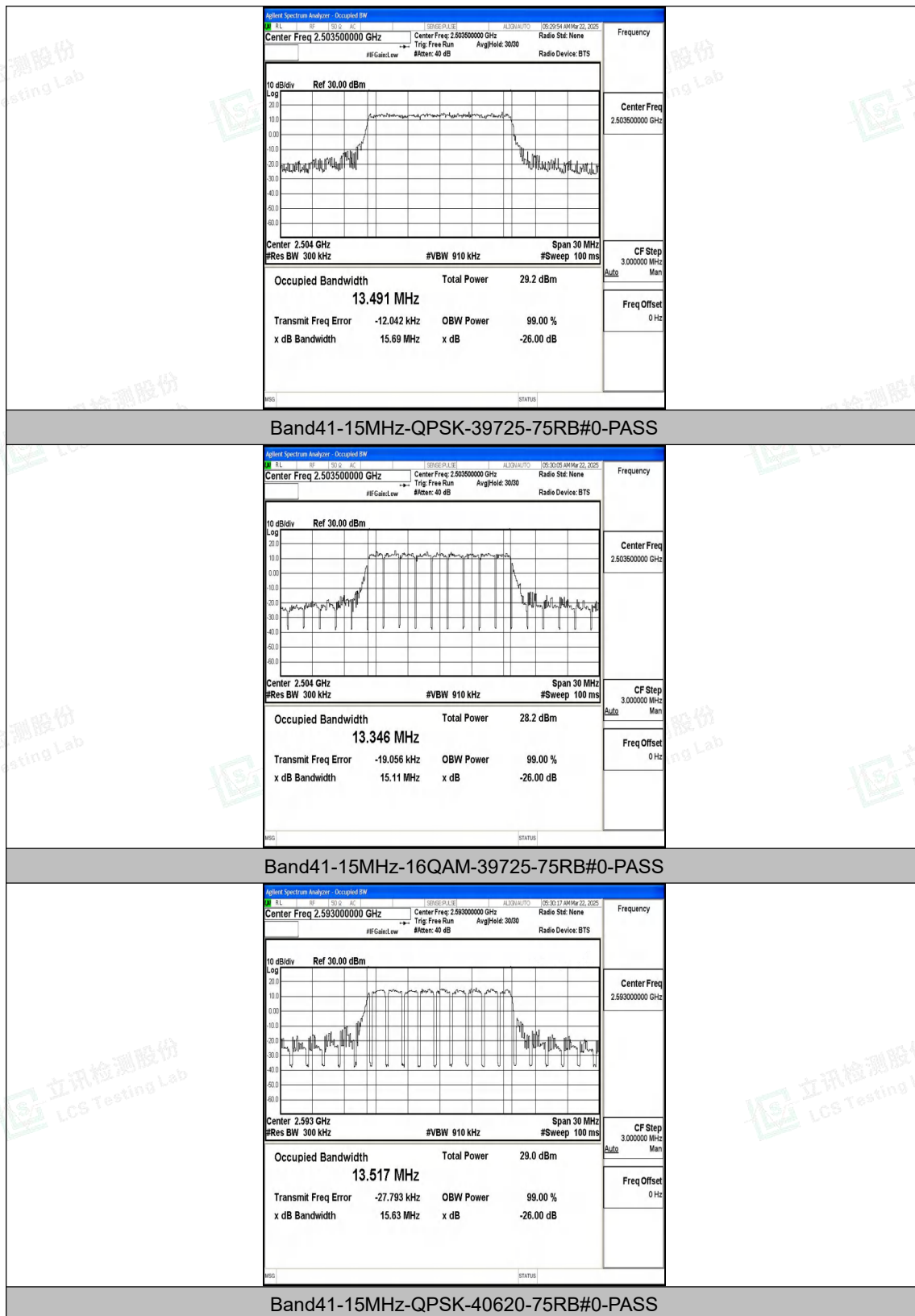
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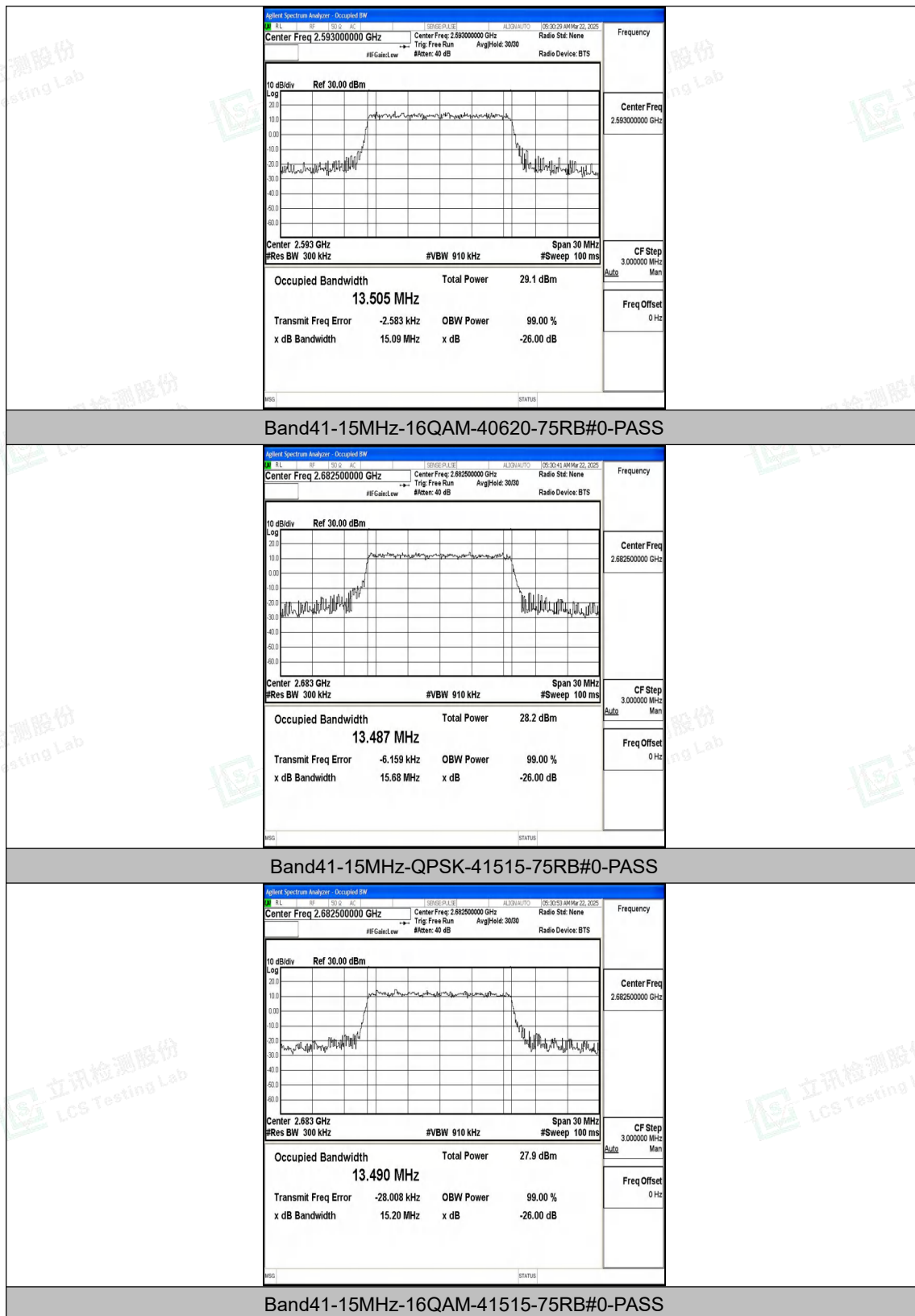
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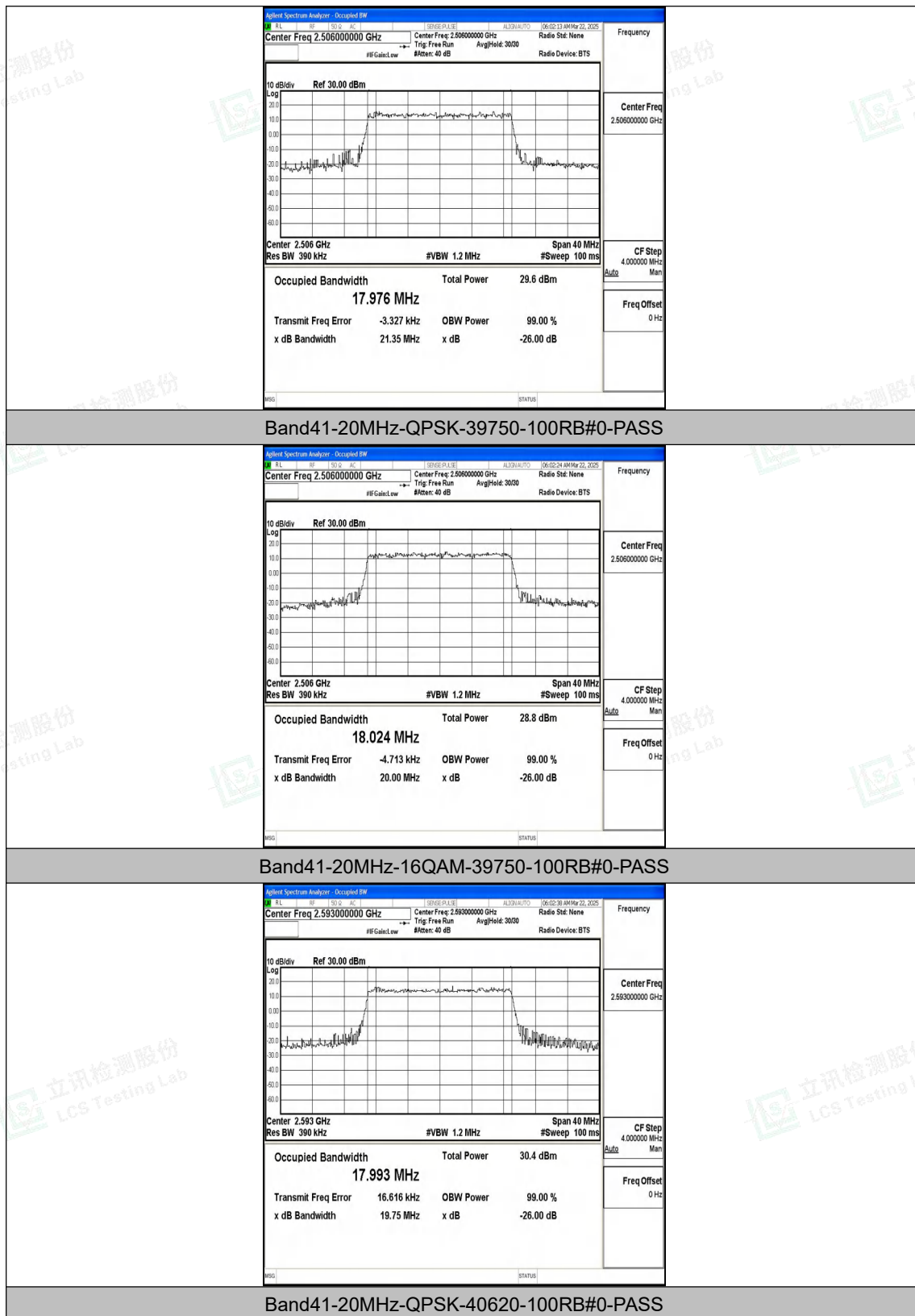


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R.4 Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Peak Frequency	Result(dBm)	Verdict
Band41	5MHz	QPSK	39675	25RB#0	2490.00	-25.06	PASS_Final1
Band41	5MHz	QPSK	39675	25RB#0	2489.47	-42.16	PASS
Band41	5MHz	QPSK	39675	25RB#0	2494.50	-16.01	PASS_Final2
Band41	5MHz	16QAM	39675	25RB#0	2490.00	-25.57	PASS_Final1
Band41	5MHz	16QAM	39675	25RB#0	2494.50	-17.49	PASS_Final2
Band41	5MHz	QPSK	41565	25RB#0	2696.50	-28.98	PASS_Final1
Band41	5MHz	16QAM	39675	25RB#0	2490.21	-42.15	PASS
Band41	5MHz	QPSK	41565	25RB#0	2696.66	-39.34	PASS
Band41	5MHz	16QAM	41565	25RB#0	2697.38	-40.13	PASS
Band41	10MHz	QPSK	39700	50RB#0	2490.38	-35.42	PASS
Band41	10MHz	QPSK	41540	50RB#0	2700.50	-27.61	PASS_Final1
Band41	10MHz	16QAM	41540	50RB#0	2700.50	-28.25	PASS_Final1
Band41	10MHz	16QAM	39700	50RB#0	2489.66	-36.43	PASS
Band41	10MHz	QPSK	41540	50RB#0	2700.35	-34.96	PASS
Band41	10MHz	16QAM	41540	50RB#0	2701.08	-35.56	PASS
Band41	15MHz	QPSK	39725	75RB#0	2489.77	-36.02	PASS
Band41	15MHz	QPSK	41515	75RB#0	2707.03	-28.99	PASS_Final1
Band41	15MHz	16QAM	41515	75RB#0	2706.75	-28.19	PASS_Final1
Band41	15MHz	QPSK	39725	75RB#0	2489.20	-28.09	PASS_Final1
Band41	15MHz	16QAM	39725	75RB#0	2489.22	-28.42	PASS_Final1
Band41	20MHz	QPSK	39750	100RB#0	2488.87	-33.39	PASS
Band41	15MHz	16QAM	39725	75RB#0	2489.22	-36.41	PASS
Band41	15MHz	QPSK	41515	75RB#0	2707.31	-35.27	PASS
Band41	15MHz	16QAM	41515	75RB#0	2706.64	-35.45	PASS
Band41	20MHz	16QAM	41490	100RB#0	2710.77	-29.80	PASS_Final1
Band41	20MHz	16QAM	39750	100RB#0	2488.50	-33.06	PASS
Band41	20MHz	QPSK	41490	100RB#0	2713.11	-32.24	PASS
Band41	20MHz	16QAM	41490	100RB#0	2713.97	-33.27	PASS
Band41	5MHz	16QAM	41565	25RB#0	2696.50	-30.09	PASS_Final1
Band41	20MHz	QPSK	41490	100RB#0	2710.50	-29.13	PASS_Final1



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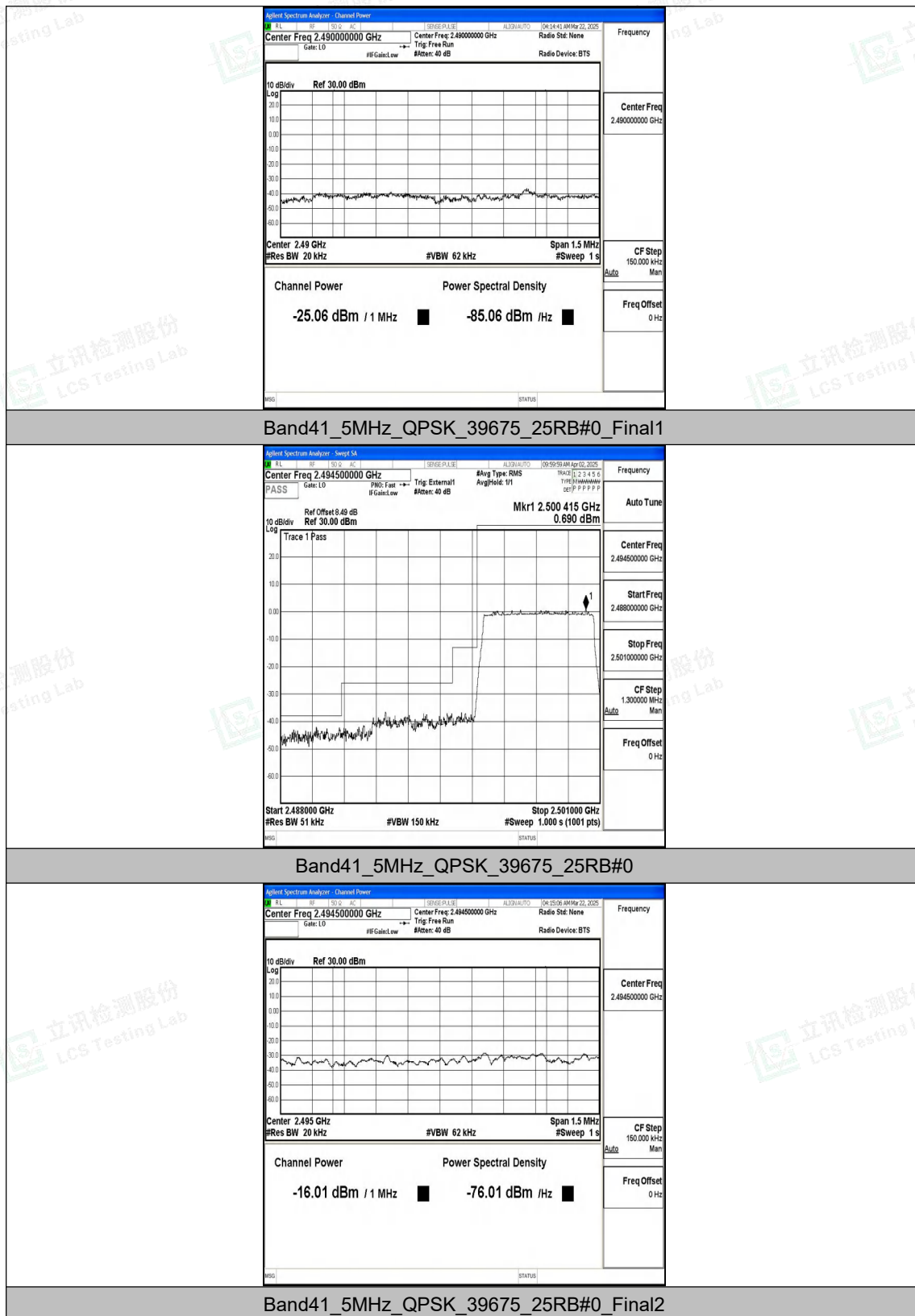
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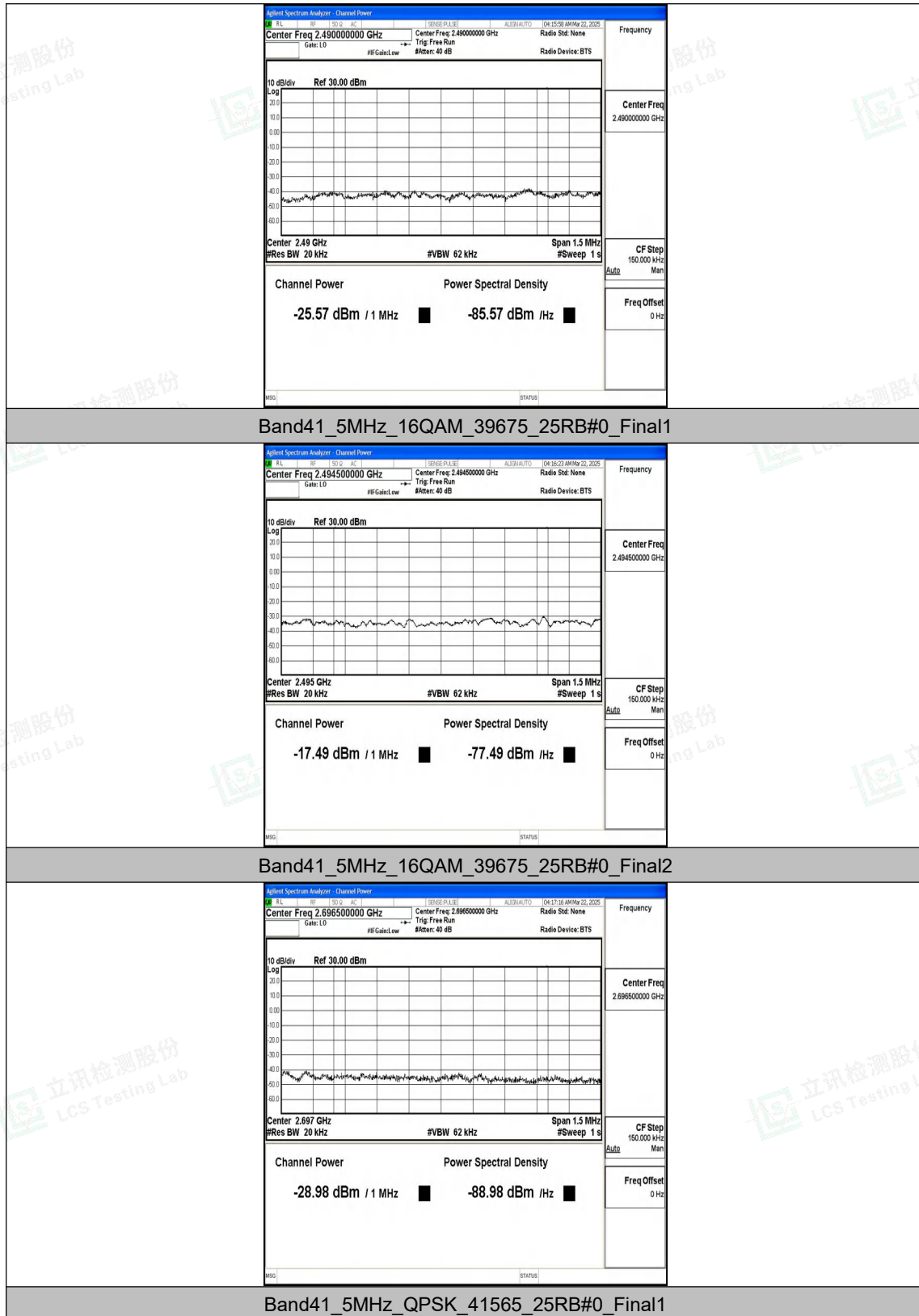
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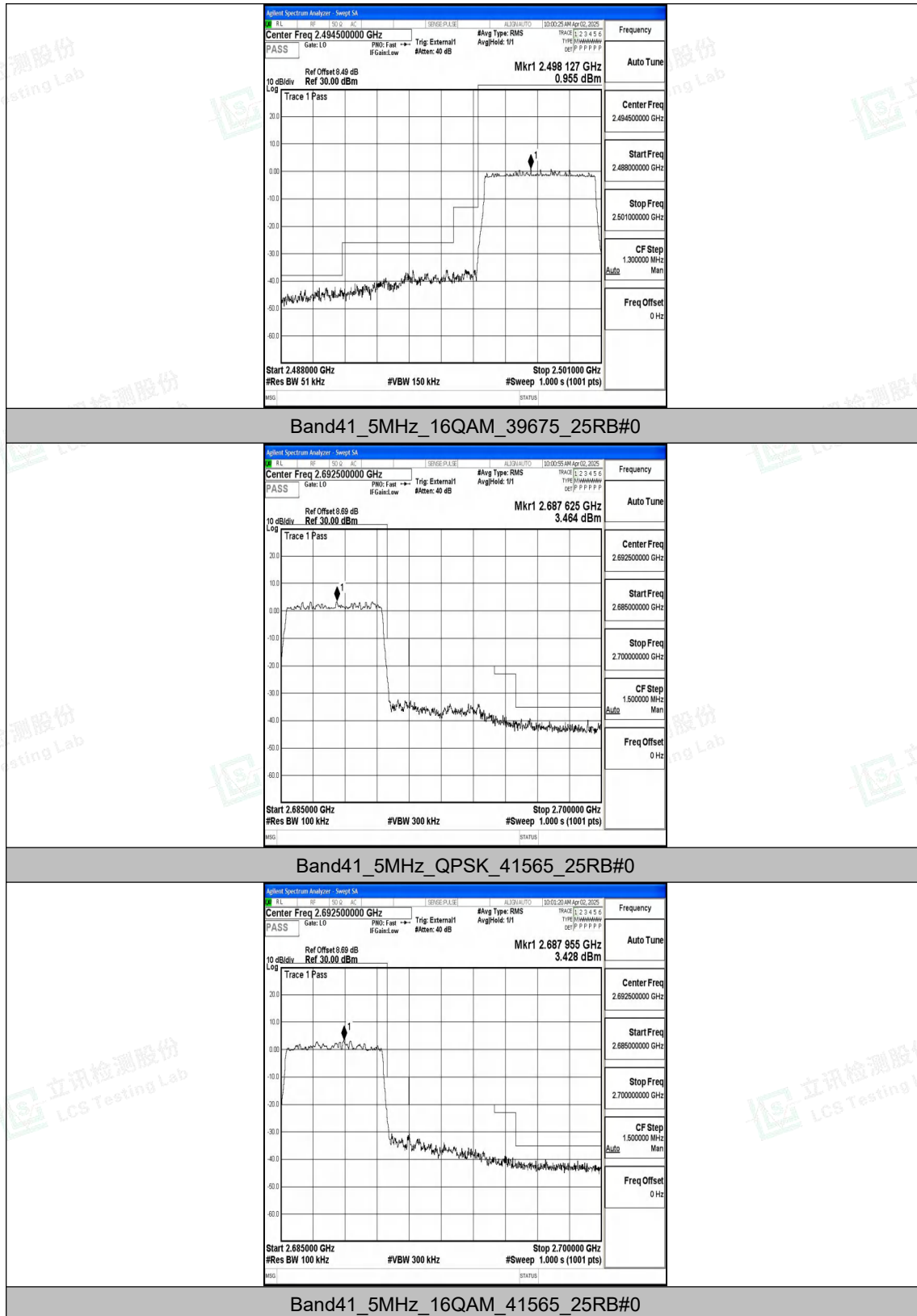
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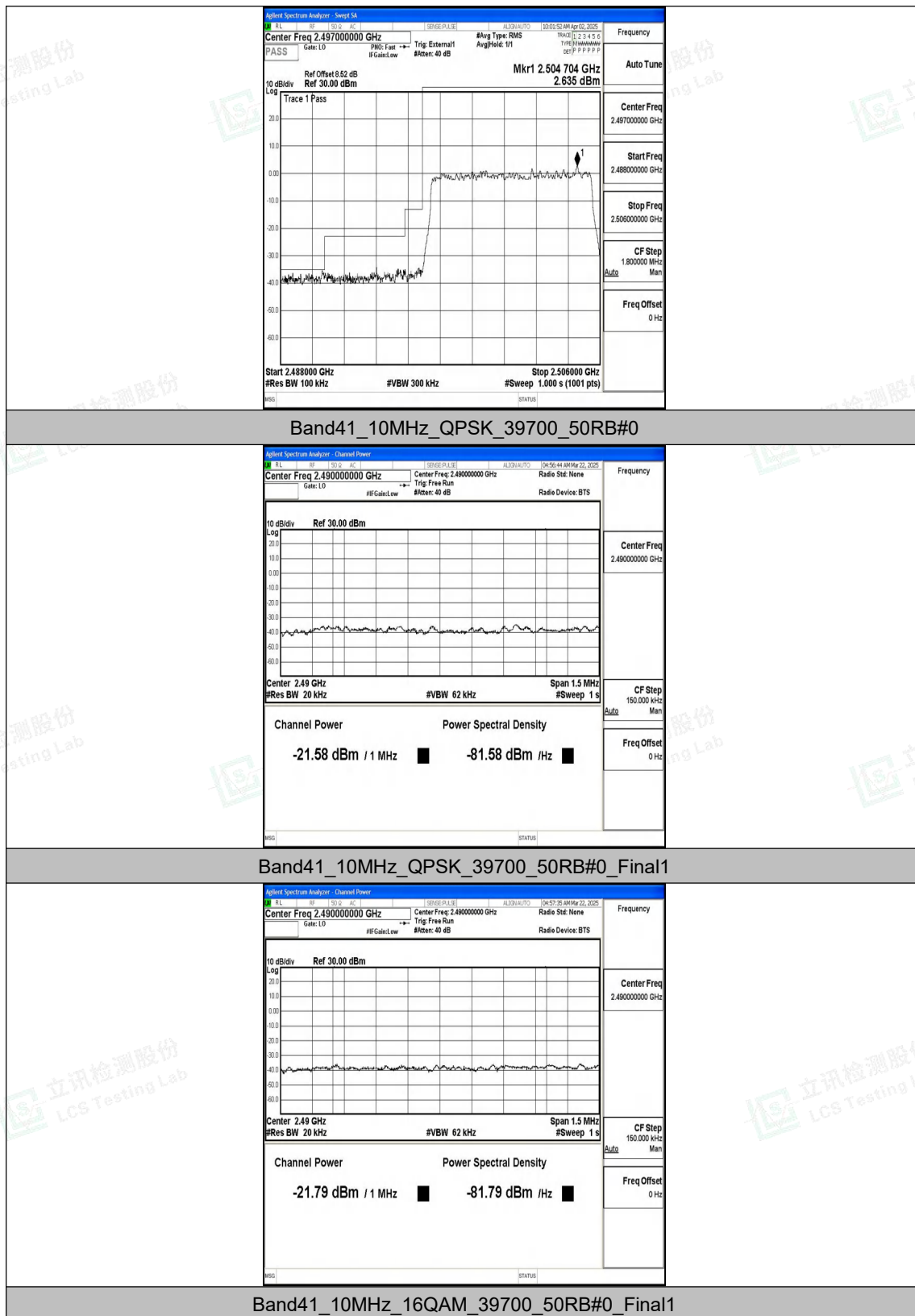


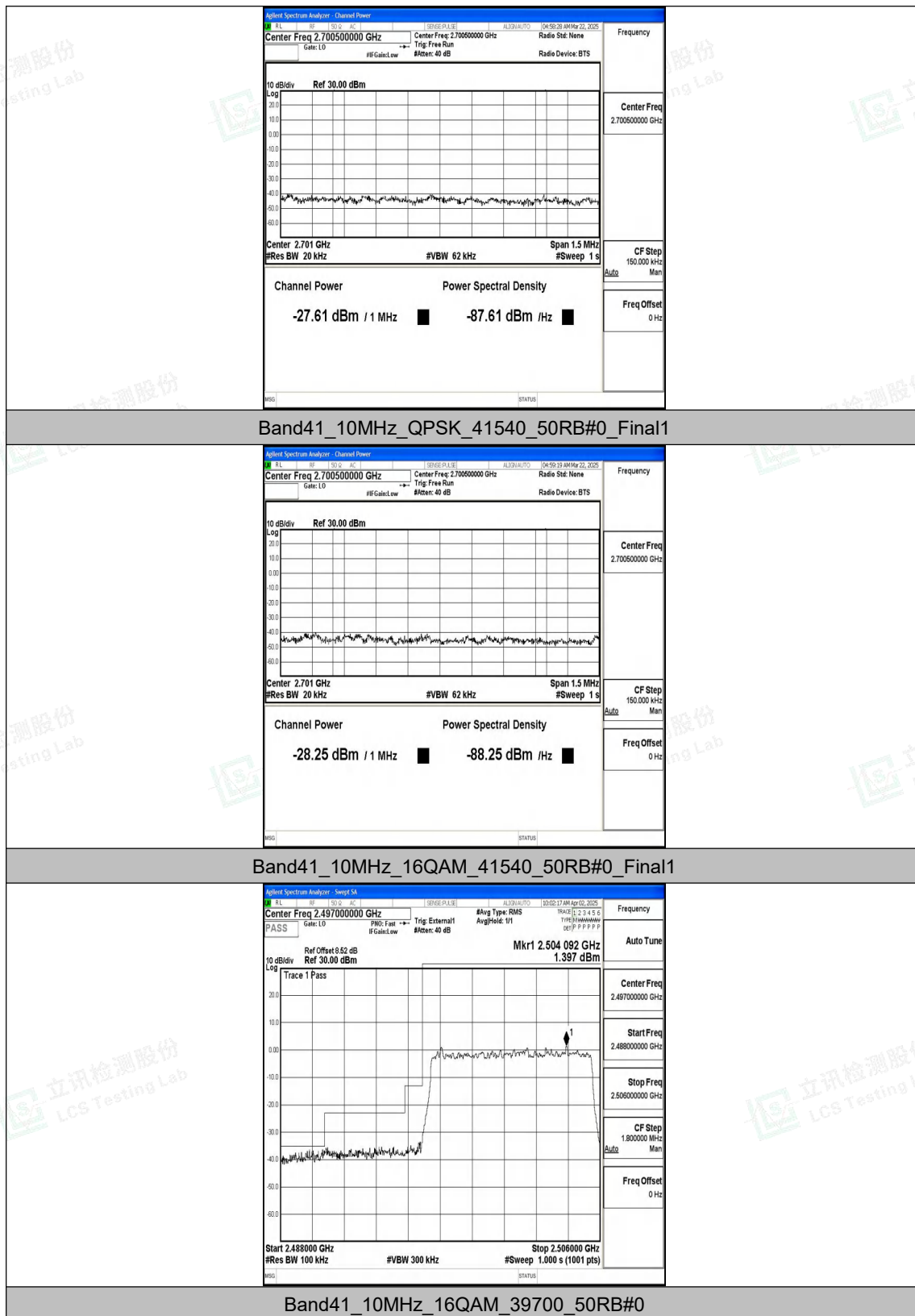
Test Graphs











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