



Appendix J: Test Data for E-UTRA Band 41

Product Name: Smart POS

Test Model: WIZARPOS Q3 PDA

Environmental Conditions

Temperature:	23.9°C
Relative Humidity:	53.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Paddi Chen
Supervised by:	Nick Peng



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J.1 Conducted Output Power Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band41	5MHz	QPSK	39675	1RB#0	21.60	PASS
Band41	5MHz	16QAM	39675	1RB#0	20.95	PASS
Band41	5MHz	QPSK	39675	1RB#12	21.25	PASS
Band41	5MHz	16QAM	39675	1RB#12	21.02	PASS
Band41	5MHz	QPSK	39675	1RB#24	21.58	PASS
Band41	5MHz	16QAM	39675	1RB#24	21.24	PASS
Band41	5MHz	QPSK	39675	12RB#0	21.14	PASS
Band41	5MHz	16QAM	39675	12RB#0	21.60	PASS
Band41	5MHz	QPSK	39675	12RB#6	21.66	PASS
Band41	5MHz	16QAM	39675	12RB#6	21.03	PASS
Band41	5MHz	QPSK	39675	12RB#13	21.51	PASS
Band41	5MHz	16QAM	39675	12RB#13	21.76	PASS
Band41	5MHz	QPSK	39675	25RB#0	21.41	PASS
Band41	5MHz	16QAM	39675	25RB#0	21.26	PASS
Band41	5MHz	QPSK	40620	1RB#0	20.56	PASS
Band41	5MHz	16QAM	40620	1RB#0	20.87	PASS
Band41	5MHz	QPSK	40620	1RB#12	20.70	PASS
Band41	5MHz	16QAM	40620	1RB#12	20.26	PASS
Band41	5MHz	QPSK	40620	1RB#24	21.06	PASS
Band41	5MHz	16QAM	40620	1RB#24	20.21	PASS
Band41	5MHz	QPSK	40620	12RB#0	20.23	PASS
Band41	5MHz	16QAM	40620	12RB#0	19.35	PASS
Band41	5MHz	QPSK	40620	12RB#6	19.78	PASS
Band41	5MHz	16QAM	40620	12RB#6	19.49	PASS
Band41	5MHz	QPSK	40620	12RB#13	20.02	PASS
Band41	5MHz	16QAM	40620	12RB#13	19.76	PASS
Band41	5MHz	QPSK	40620	25RB#0	19.67	PASS
Band41	5MHz	16QAM	40620	25RB#0	19.29	PASS
Band41	5MHz	QPSK	41565	1RB#0	21.38	PASS
Band41	5MHz	16QAM	41565	1RB#0	20.90	PASS
Band41	5MHz	QPSK	41565	1RB#12	21.17	PASS
Band41	5MHz	16QAM	41565	1RB#12	21.47	PASS
Band41	5MHz	QPSK	41565	1RB#24	21.94	PASS
Band41	5MHz	16QAM	41565	1RB#24	20.86	PASS
Band41	5MHz	QPSK	41565	12RB#0	20.14	PASS
Band41	5MHz	16QAM	41565	12RB#0	20.54	PASS



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Band41	5MHz	QPSK	41565	12RB#6	20.75	PASS
Band41	5MHz	16QAM	41565	12RB#6	20.55	PASS
Band41	5MHz	QPSK	41565	12RB#13	20.52	PASS
Band41	5MHz	16QAM	41565	12RB#13	19.76	PASS
Band41	5MHz	QPSK	41565	25RB#0	20.56	PASS
Band41	5MHz	16QAM	41565	25RB#0	20.98	PASS
Band41	10MHz	QPSK	39700	1RB#0	22.79	PASS
Band41	10MHz	16QAM	39700	1RB#0	22.38	PASS
Band41	10MHz	QPSK	39700	1RB#24	22.66	PASS
Band41	10MHz	16QAM	39700	1RB#24	21.80	PASS
Band41	10MHz	QPSK	39700	1RB#49	22.47	PASS
Band41	10MHz	16QAM	39700	1RB#49	22.13	PASS
Band41	10MHz	QPSK	39700	25RB#0	21.54	PASS
Band41	10MHz	16QAM	39700	25RB#0	20.87	PASS
Band41	10MHz	QPSK	39700	25RB#12	21.22	PASS
Band41	10MHz	16QAM	39700	25RB#12	20.56	PASS
Band41	10MHz	QPSK	39700	25RB#25	21.22	PASS
Band41	10MHz	16QAM	39700	25RB#25	20.26	PASS
Band41	10MHz	QPSK	39700	50RB#0	21.40	PASS
Band41	10MHz	16QAM	39700	50RB#0	20.51	PASS
Band41	10MHz	QPSK	40620	1RB#0	21.68	PASS
Band41	10MHz	16QAM	40620	1RB#0	21.70	PASS
Band41	10MHz	QPSK	40620	1RB#24	22.01	PASS
Band41	10MHz	16QAM	40620	1RB#24	21.81	PASS
Band41	10MHz	QPSK	40620	1RB#49	21.60	PASS
Band41	10MHz	16QAM	40620	1RB#49	21.19	PASS
Band41	10MHz	QPSK	40620	25RB#0	20.95	PASS
Band41	10MHz	16QAM	40620	25RB#0	20.49	PASS
Band41	10MHz	QPSK	40620	25RB#12	21.28	PASS
Band41	10MHz	16QAM	40620	25RB#12	20.98	PASS
Band41	10MHz	QPSK	40620	25RB#25	20.93	PASS
Band41	10MHz	16QAM	40620	25RB#25	20.29	PASS
Band41	10MHz	QPSK	40620	50RB#0	21.32	PASS
Band41	10MHz	16QAM	40620	50RB#0	20.26	PASS
Band41	10MHz	QPSK	41540	1RB#0	21.82	PASS
Band41	10MHz	16QAM	41540	1RB#0	21.67	PASS
Band41	10MHz	QPSK	41540	1RB#24	22.17	PASS
Band41	10MHz	16QAM	41540	1RB#24	21.43	PASS
Band41	10MHz	QPSK	41540	1RB#49	21.89	PASS
Band41	10MHz	16QAM	41540	1RB#49	21.79	PASS



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Band41	10MHz	QPSK	41540	25RB#0	20.66	PASS
Band41	10MHz	16QAM	41540	25RB#0	20.93	PASS
Band41	10MHz	QPSK	41540	25RB#12	20.87	PASS
Band41	10MHz	16QAM	41540	25RB#12	20.72	PASS
Band41	10MHz	QPSK	41540	25RB#25	20.98	PASS
Band41	10MHz	16QAM	41540	25RB#25	20.66	PASS
Band41	10MHz	QPSK	41540	50RB#0	21.09	PASS
Band41	10MHz	16QAM	41540	50RB#0	20.38	PASS
Band41	15MHz	QPSK	39725	1RB#0	22.65	PASS
Band41	15MHz	16QAM	39725	1RB#0	22.53	PASS
Band41	15MHz	QPSK	39725	1RB#38	22.14	PASS
Band41	15MHz	16QAM	39725	1RB#38	22.15	PASS
Band41	15MHz	QPSK	39725	1RB#74	21.95	PASS
Band41	15MHz	16QAM	39725	1RB#74	21.92	PASS
Band41	15MHz	QPSK	39725	38RB#0	21.32	PASS
Band41	15MHz	16QAM	39725	38RB#0	21.31	PASS
Band41	15MHz	QPSK	39725	38RB#18	20.80	PASS
Band41	15MHz	16QAM	39725	38RB#18	21.52	PASS
Band41	15MHz	QPSK	39725	38RB#37	21.06	PASS
Band41	15MHz	16QAM	39725	38RB#37	21.53	PASS
Band41	15MHz	QPSK	39725	75RB#0	21.35	PASS
Band41	15MHz	16QAM	39725	75RB#0	20.69	PASS
Band41	15MHz	QPSK	40620	1RB#0	22.69	PASS
Band41	15MHz	16QAM	40620	1RB#0	21.33	PASS
Band41	15MHz	QPSK	40620	1RB#38	22.33	PASS
Band41	15MHz	16QAM	40620	1RB#38	20.75	PASS
Band41	15MHz	QPSK	40620	1RB#74	22.10	PASS
Band41	15MHz	16QAM	40620	1RB#74	20.56	PASS
Band41	15MHz	QPSK	40620	38RB#0	20.64	PASS
Band41	15MHz	16QAM	40620	38RB#0	21.31	PASS
Band41	15MHz	QPSK	40620	38RB#18	21.26	PASS
Band41	15MHz	16QAM	40620	38RB#18	20.68	PASS
Band41	15MHz	QPSK	40620	38RB#37	20.82	PASS
Band41	15MHz	16QAM	40620	38RB#37	21.09	PASS
Band41	15MHz	QPSK	40620	75RB#0	21.13	PASS
Band41	15MHz	16QAM	40620	75RB#0	20.36	PASS
Band41	15MHz	QPSK	41515	1RB#0	22.39	PASS
Band41	15MHz	16QAM	41515	1RB#0	21.91	PASS
Band41	15MHz	QPSK	41515	1RB#38	22.18	PASS
Band41	15MHz	16QAM	41515	1RB#38	21.42	PASS



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Band41	15MHz	QPSK	41515	1RB#74	21.73	PASS
Band41	15MHz	16QAM	41515	1RB#74	21.79	PASS
Band41	15MHz	QPSK	41515	38RB#0	20.74	PASS
Band41	15MHz	16QAM	41515	38RB#0	20.82	PASS
Band41	15MHz	QPSK	41515	38RB#18	20.57	PASS
Band41	15MHz	16QAM	41515	38RB#18	20.60	PASS
Band41	15MHz	QPSK	41515	38RB#37	20.40	PASS
Band41	15MHz	16QAM	41515	38RB#37	20.50	PASS
Band41	15MHz	QPSK	41515	75RB#0	20.21	PASS
Band41	15MHz	16QAM	41515	75RB#0	20.86	PASS
Band41	20MHz	QPSK	39750	1RB#0	21.81	PASS
Band41	20MHz	16QAM	39750	1RB#0	21.97	PASS
Band41	20MHz	QPSK	39750	1RB#49	21.54	PASS
Band41	20MHz	16QAM	39750	1RB#49	21.49	PASS
Band41	20MHz	QPSK	39750	1RB#99	22.15	PASS
Band41	20MHz	16QAM	39750	1RB#99	21.27	PASS
Band41	20MHz	QPSK	39750	50RB#0	21.07	PASS
Band41	20MHz	16QAM	39750	50RB#0	21.08	PASS
Band41	20MHz	QPSK	39750	50RB#25	21.40	PASS
Band41	20MHz	16QAM	39750	50RB#25	20.70	PASS
Band41	20MHz	QPSK	39750	50RB#50	20.70	PASS
Band41	20MHz	16QAM	39750	50RB#50	20.35	PASS
Band41	20MHz	QPSK	39750	100RB#0	21.48	PASS
Band41	20MHz	16QAM	39750	100RB#0	20.38	PASS
Band41	20MHz	QPSK	40620	1RB#0	22.21	PASS
Band41	20MHz	16QAM	40620	1RB#0	21.68	PASS
Band41	20MHz	QPSK	40620	1RB#49	22.26	PASS
Band41	20MHz	16QAM	40620	1RB#49	21.23	PASS
Band41	20MHz	QPSK	40620	1RB#99	21.80	PASS
Band41	20MHz	16QAM	40620	1RB#99	21.25	PASS
Band41	20MHz	QPSK	40620	50RB#0	21.06	PASS
Band41	20MHz	16QAM	40620	50RB#0	20.99	PASS
Band41	20MHz	QPSK	40620	50RB#25	20.72	PASS
Band41	20MHz	16QAM	40620	50RB#25	20.41	PASS
Band41	20MHz	QPSK	40620	50RB#50	21.39	PASS
Band41	20MHz	16QAM	40620	50RB#50	20.42	PASS
Band41	20MHz	QPSK	40620	100RB#0	20.88	PASS
Band41	20MHz	16QAM	40620	100RB#0	20.59	PASS
Band41	20MHz	QPSK	41490	1RB#0	22.31	PASS
Band41	20MHz	16QAM	41490	1RB#0	22.13	PASS



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Band41	20MHz	QPSK	41490	1RB#49	21.81	PASS
Band41	20MHz	16QAM	41490	1RB#49	21.59	PASS
Band41	20MHz	QPSK	41490	1RB#99	21.50	PASS
Band41	20MHz	16QAM	41490	1RB#99	21.80	PASS
Band41	20MHz	QPSK	41490	50RB#0	20.92	PASS
Band41	20MHz	16QAM	41490	50RB#0	20.63	PASS
Band41	20MHz	QPSK	41490	50RB#25	20.58	PASS
Band41	20MHz	16QAM	41490	50RB#25	20.52	PASS
Band41	20MHz	QPSK	41490	50RB#50	21.13	PASS
Band41	20MHz	16QAM	41490	50RB#50	20.96	PASS
Band41	20MHz	QPSK	41490	100RB#0	20.77	PASS
Band41	20MHz	16QAM	41490	100RB#0	20.33	PASS



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J.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	8.52	13	PASS
Band41	5MHz	16QAM	39675	1RB#0	8.98	13	PASS
Band41	5MHz	QPSK	39675	25RB#0	9.16	13	PASS
Band41	5MHz	16QAM	39675	25RB#0	9.63	13	PASS
Band41	5MHz	QPSK	40620	1RB#0	8.37	13	PASS
Band41	5MHz	16QAM	40620	1RB#0	8.42	13	PASS
Band41	5MHz	QPSK	40620	25RB#0	9.16	13	PASS
Band41	5MHz	16QAM	40620	25RB#0	9.90	13	PASS
Band41	5MHz	QPSK	41565	1RB#0	8.52	13	PASS
Band41	5MHz	16QAM	41565	1RB#0	8.62	13	PASS
Band41	5MHz	QPSK	41565	25RB#0	9.02	13	PASS
Band41	5MHz	16QAM	41565	25RB#0	9.85	13	PASS
Band41	10MHz	QPSK	39700	1RB#0	8.19	13	PASS
Band41	10MHz	16QAM	39700	1RB#0	8.87	13	PASS
Band41	10MHz	QPSK	39700	50RB#0	9.05	13	PASS
Band41	10MHz	16QAM	39700	50RB#0	9.76	13	PASS
Band41	10MHz	QPSK	40620	1RB#0	8.99	13	PASS
Band41	10MHz	16QAM	40620	1RB#0	8.79	13	PASS
Band41	10MHz	QPSK	40620	50RB#0	9.12	13	PASS
Band41	10MHz	16QAM	40620	50RB#0	10.07	13	PASS
Band41	10MHz	QPSK	41540	1RB#0	8.61	13	PASS
Band41	10MHz	16QAM	41540	1RB#0	8.78	13	PASS
Band41	10MHz	QPSK	41540	50RB#0	9.14	13	PASS
Band41	10MHz	16QAM	41540	50RB#0	10.02	13	PASS
Band41	15MHz	QPSK	39725	1RB#0	8.38	13	PASS
Band41	15MHz	16QAM	39725	1RB#0	8.71	13	PASS
Band41	15MHz	QPSK	39725	75RB#0	9.10	13	PASS
Band41	15MHz	16QAM	39725	75RB#0	10.00	13	PASS
Band41	15MHz	QPSK	40620	1RB#0	8.71	13	PASS
Band41	15MHz	16QAM	40620	1RB#0	8.98	13	PASS
Band41	15MHz	QPSK	40620	75RB#0	9.29	13	PASS
Band41	15MHz	16QAM	40620	75RB#0	10.10	13	PASS
Band41	15MHz	QPSK	41515	1RB#0	8.47	13	PASS
Band41	15MHz	16QAM	41515	1RB#0	8.93	13	PASS
Band41	15MHz	QPSK	41515	75RB#0	9.38	13	PASS
Band41	15MHz	16QAM	41515	75RB#0	9.86	13	PASS



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Band41	20MHz	QPSK	39750	1RB#0	8.27	13	PASS
Band41	20MHz	16QAM	39750	1RB#0	8.72	13	PASS
Band41	20MHz	QPSK	39750	100RB#0	8.87	13	PASS
Band41	20MHz	16QAM	39750	100RB#0	9.77	13	PASS
Band41	20MHz	QPSK	40620	1RB#0	8.15	13	PASS
Band41	20MHz	16QAM	40620	1RB#0	8.85	13	PASS
Band41	20MHz	QPSK	40620	100RB#0	9.07	13	PASS
Band41	20MHz	16QAM	40620	100RB#0	9.88	13	PASS
Band41	20MHz	QPSK	41490	1RB#0	8.07	13	PASS
Band41	20MHz	16QAM	41490	1RB#0	8.83	13	PASS
Band41	20MHz	QPSK	41490	100RB#0	9.05	13	PASS
Band41	20MHz	16QAM	41490	100RB#0	10.04	13	PASS



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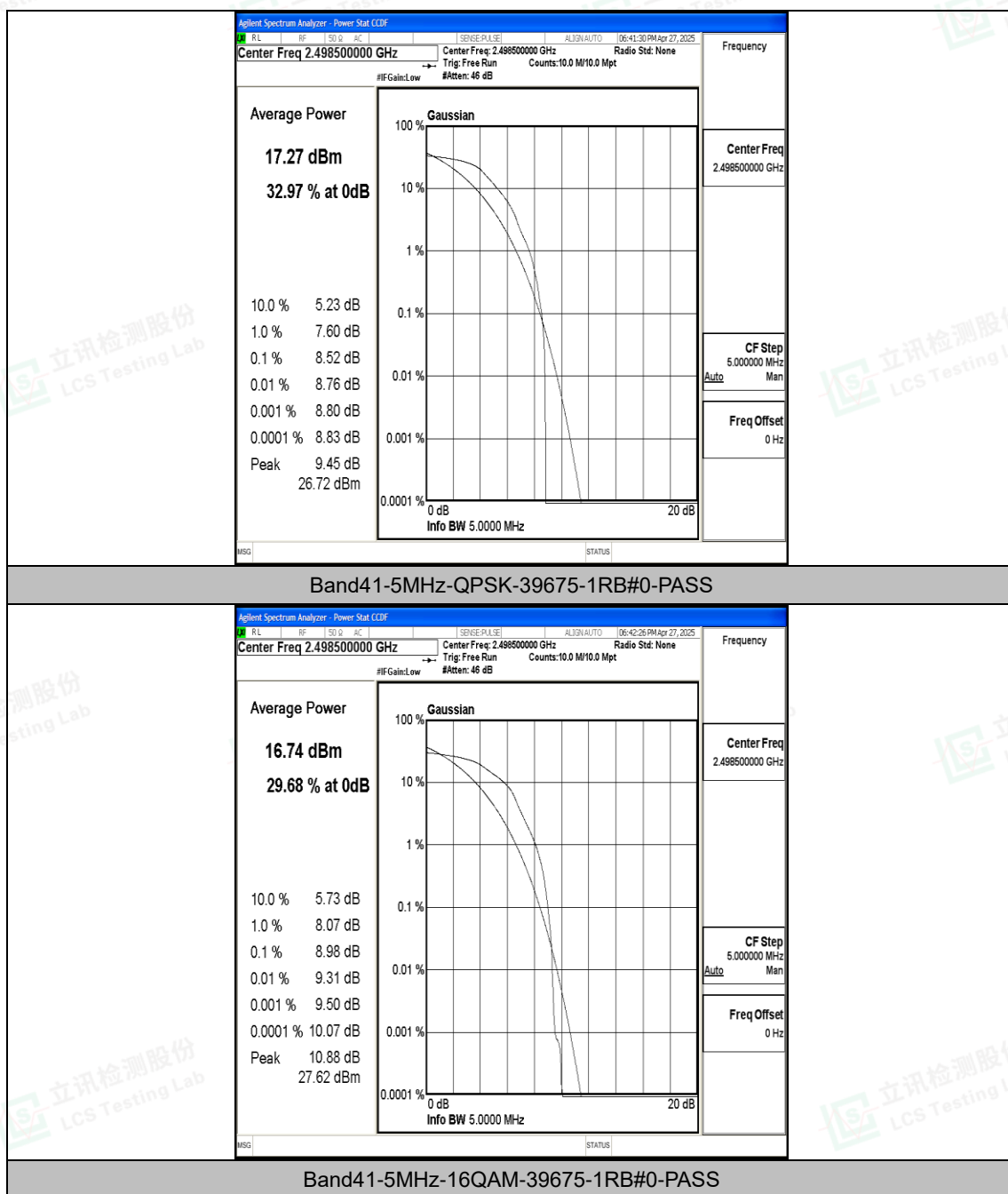
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Test Graphs

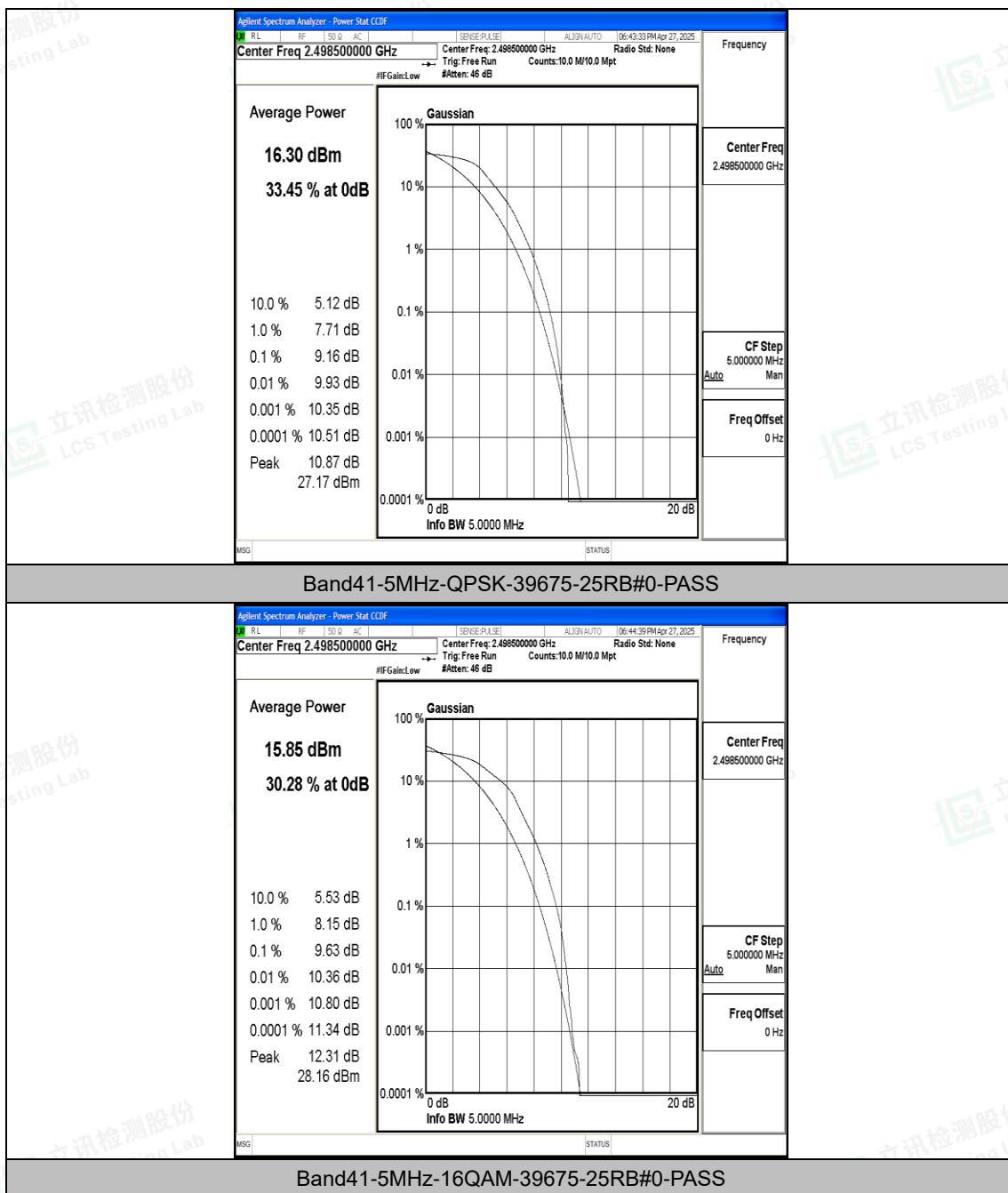


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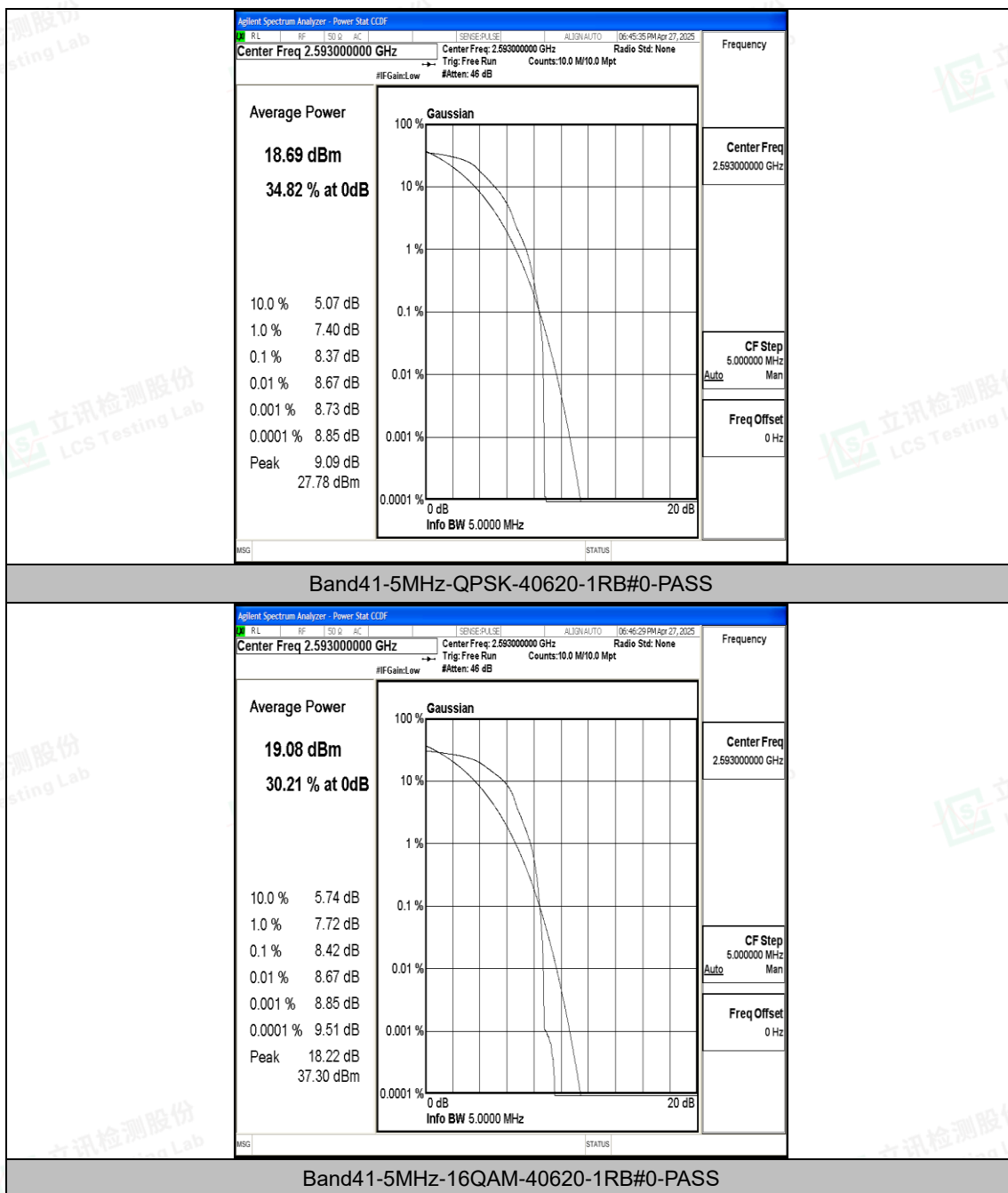


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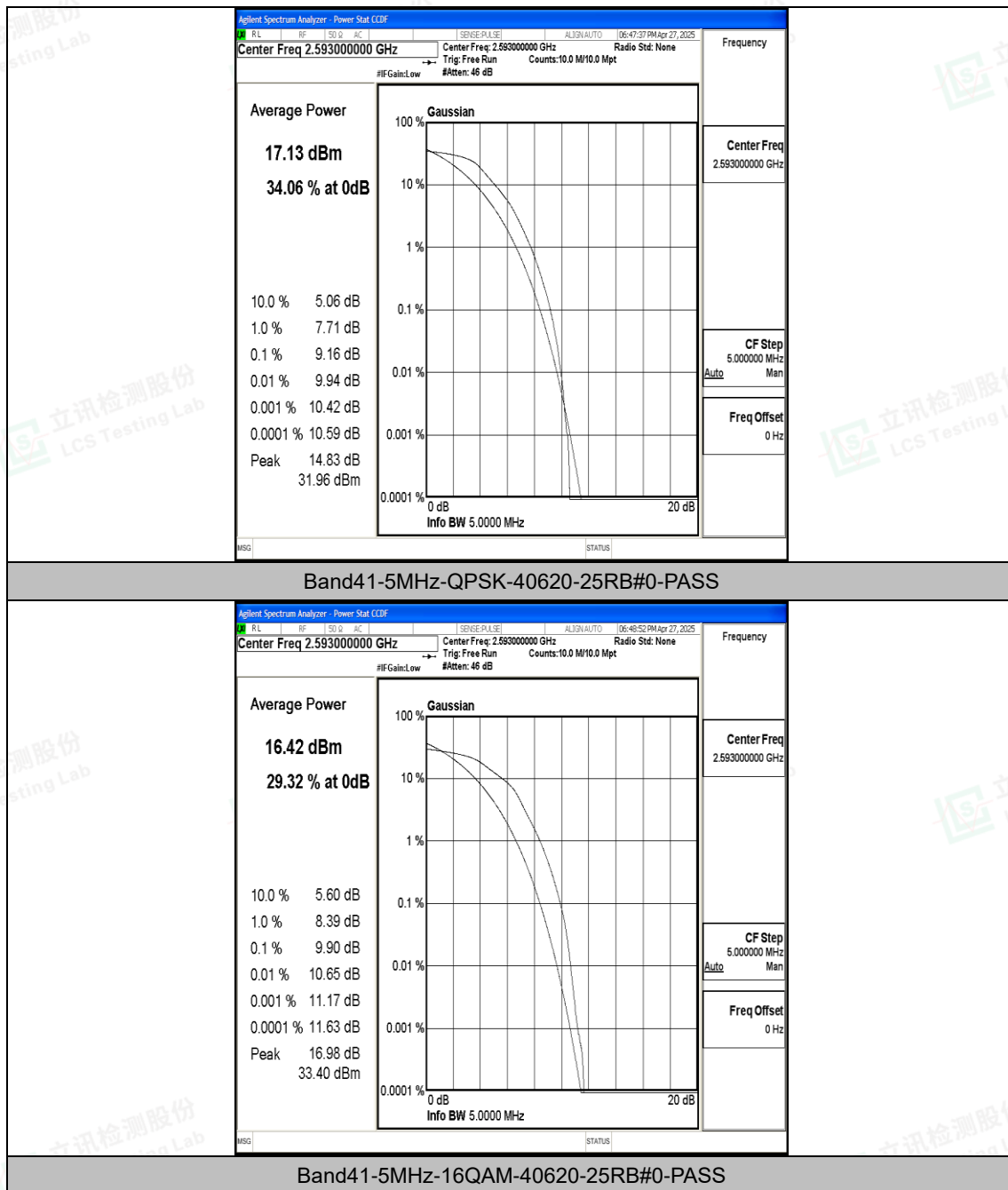


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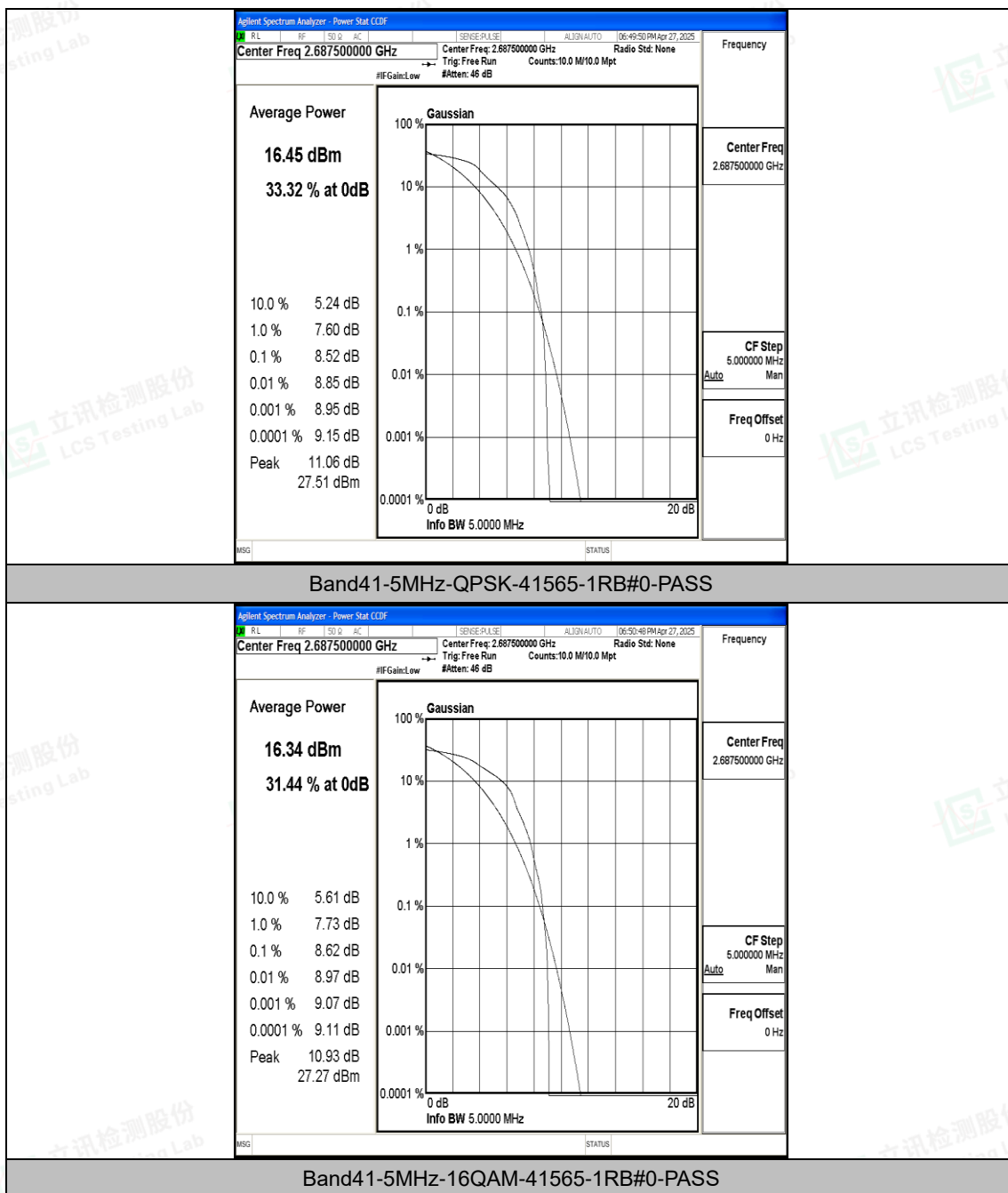


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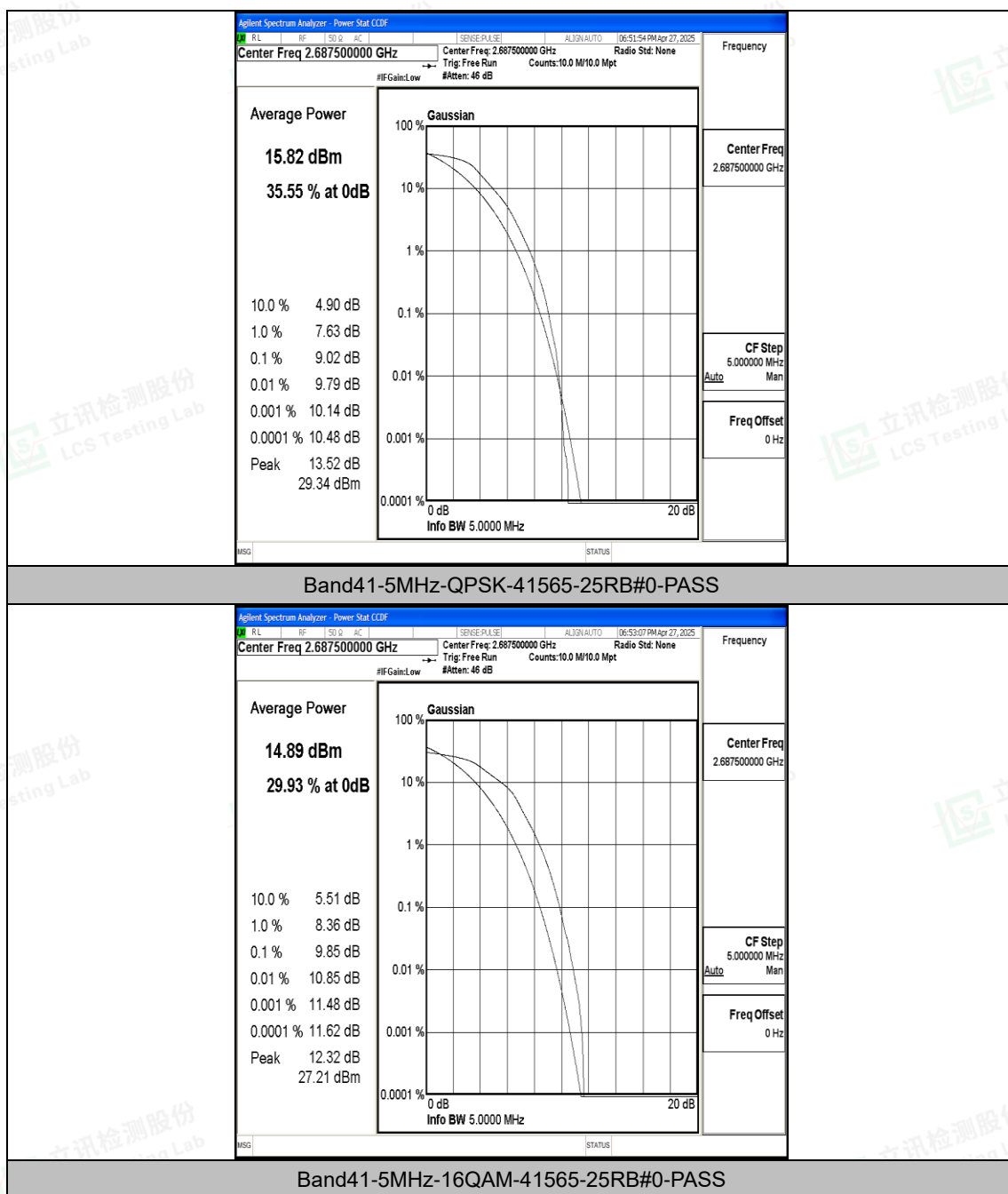


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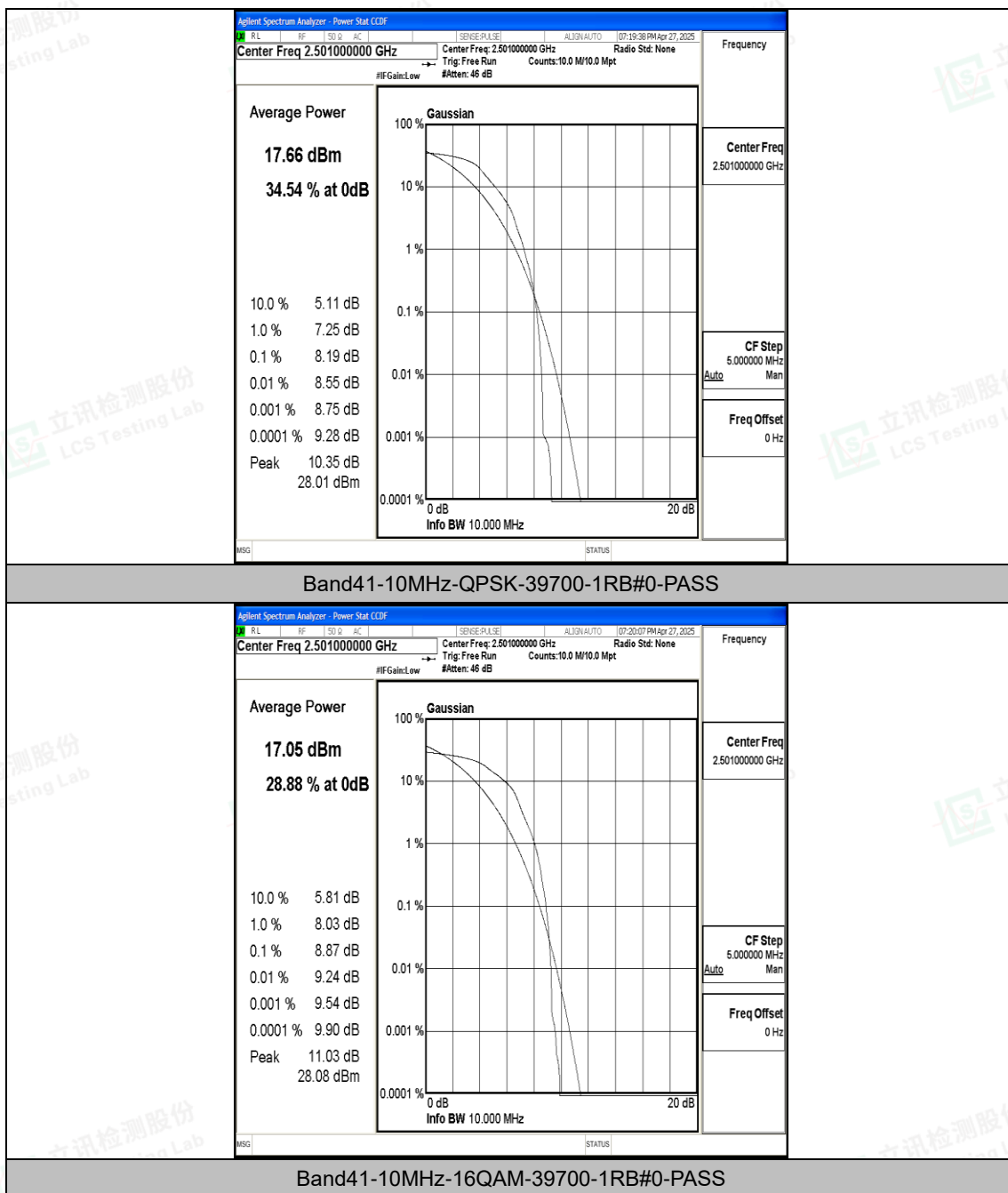


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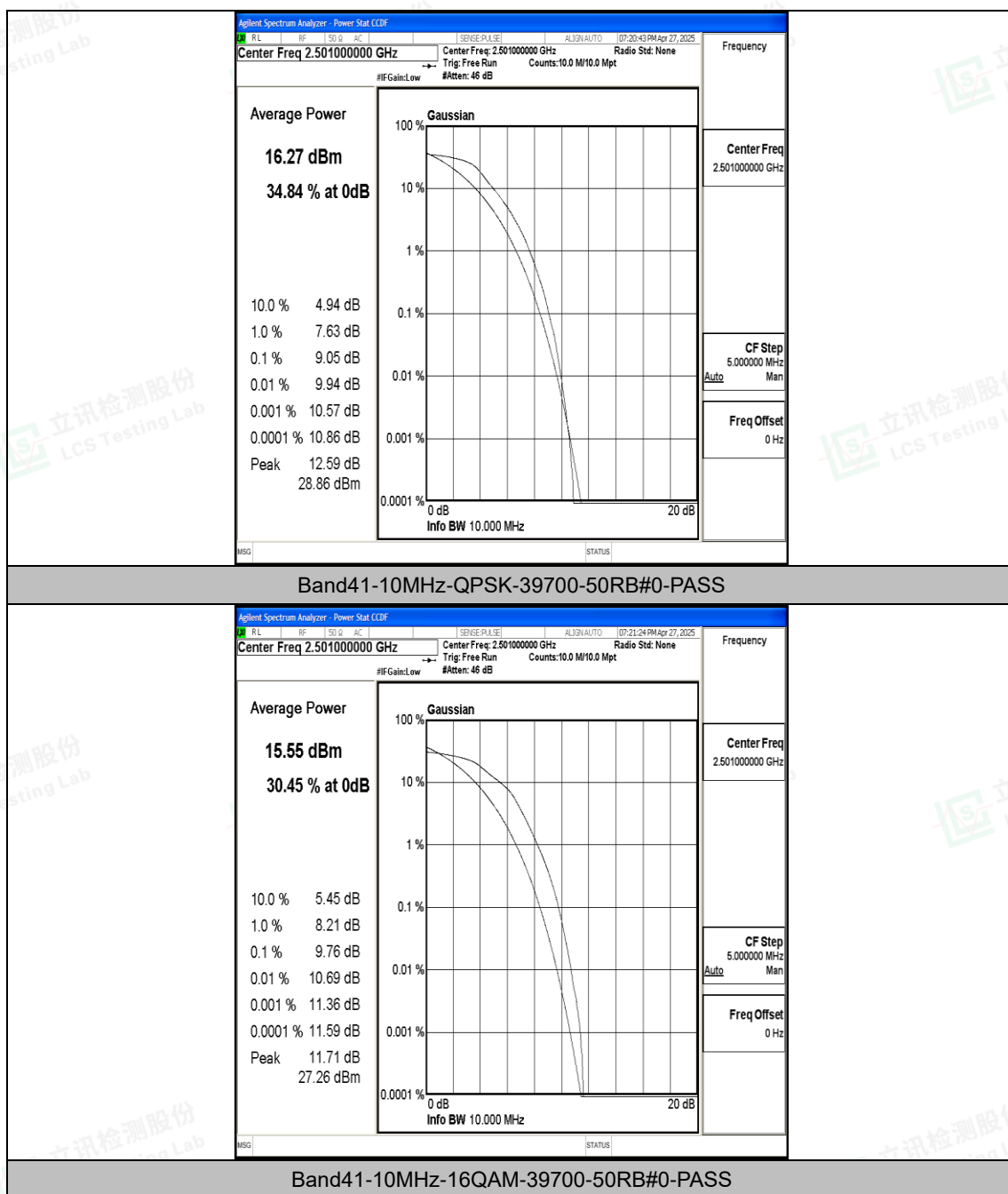


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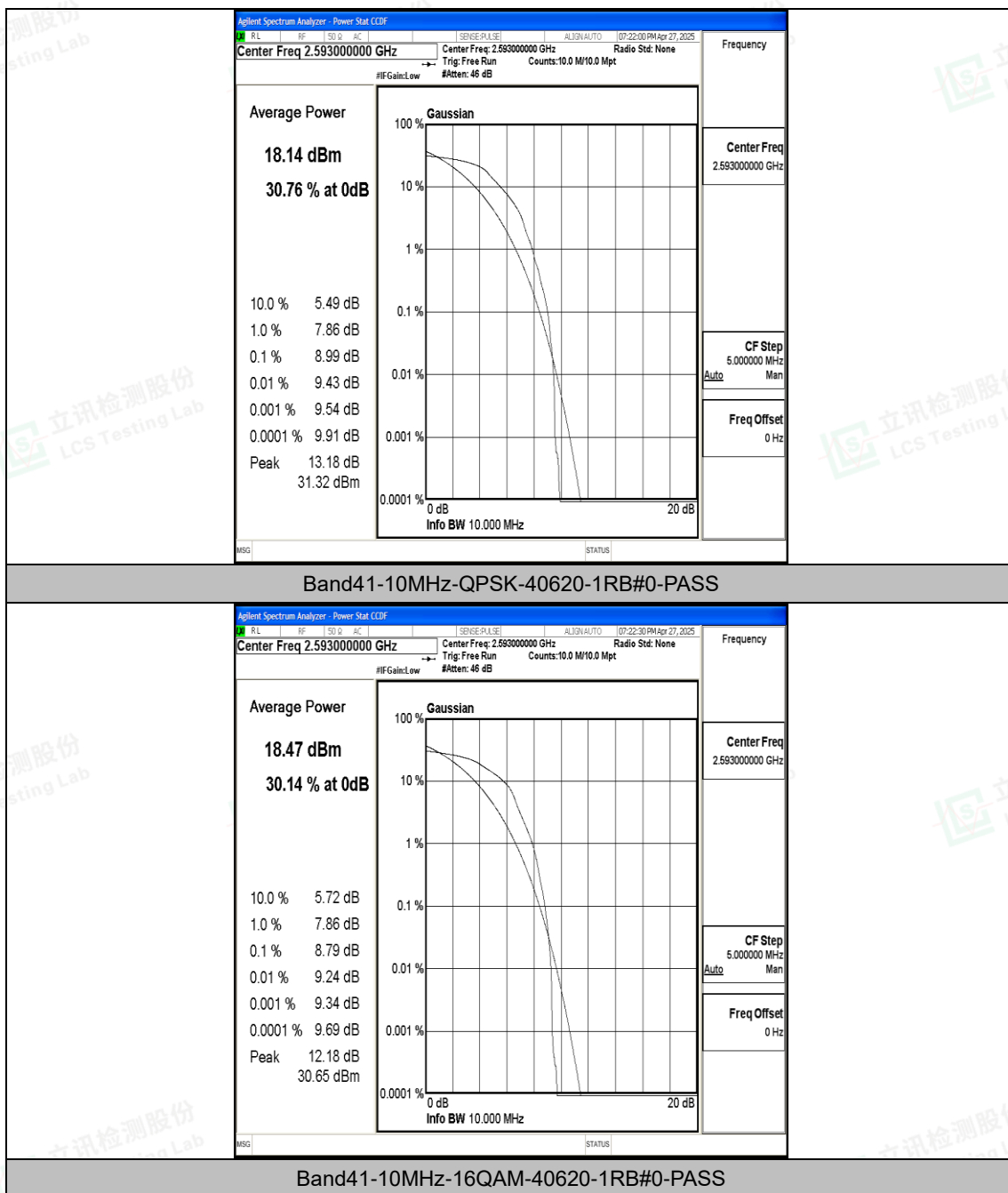


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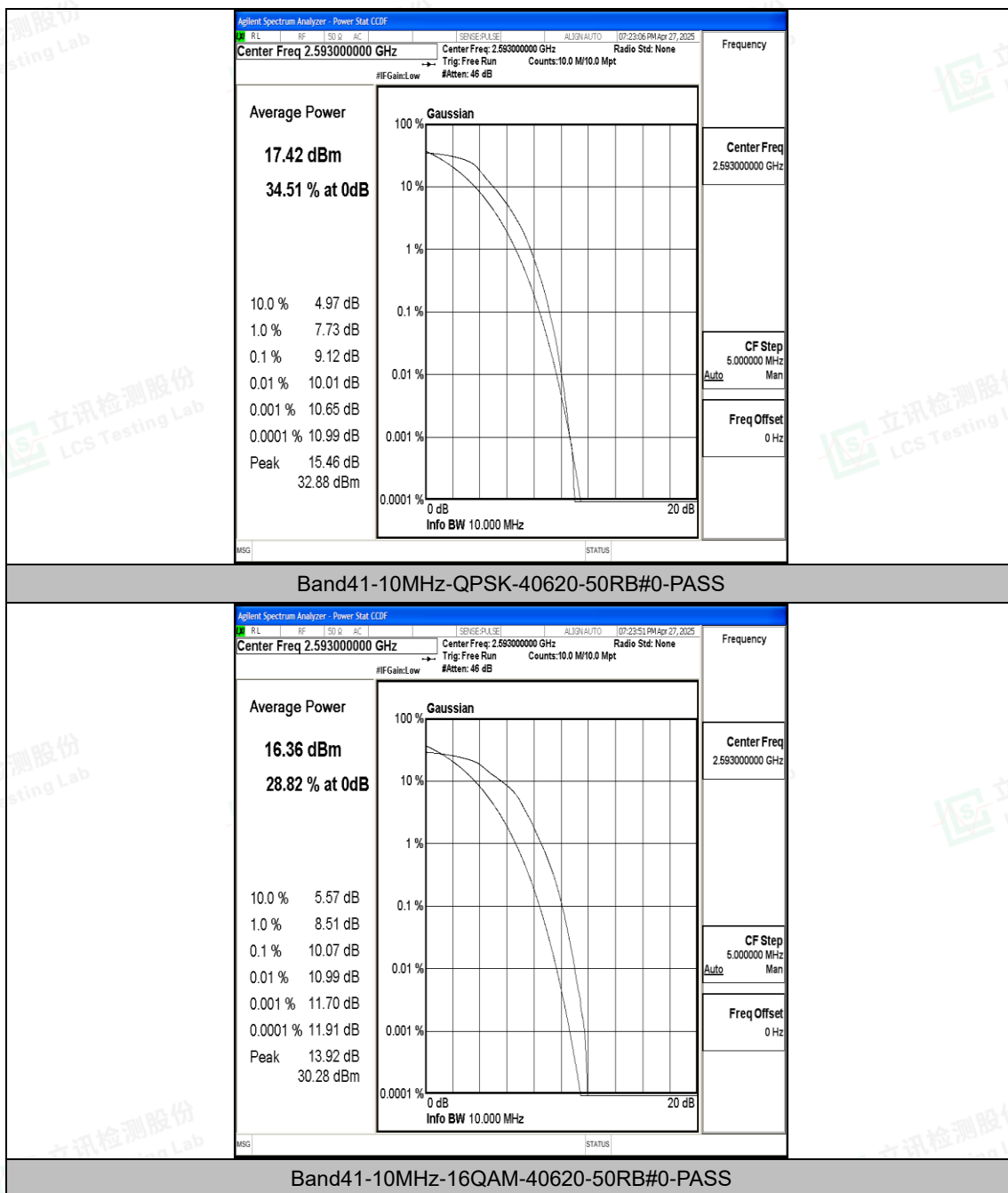


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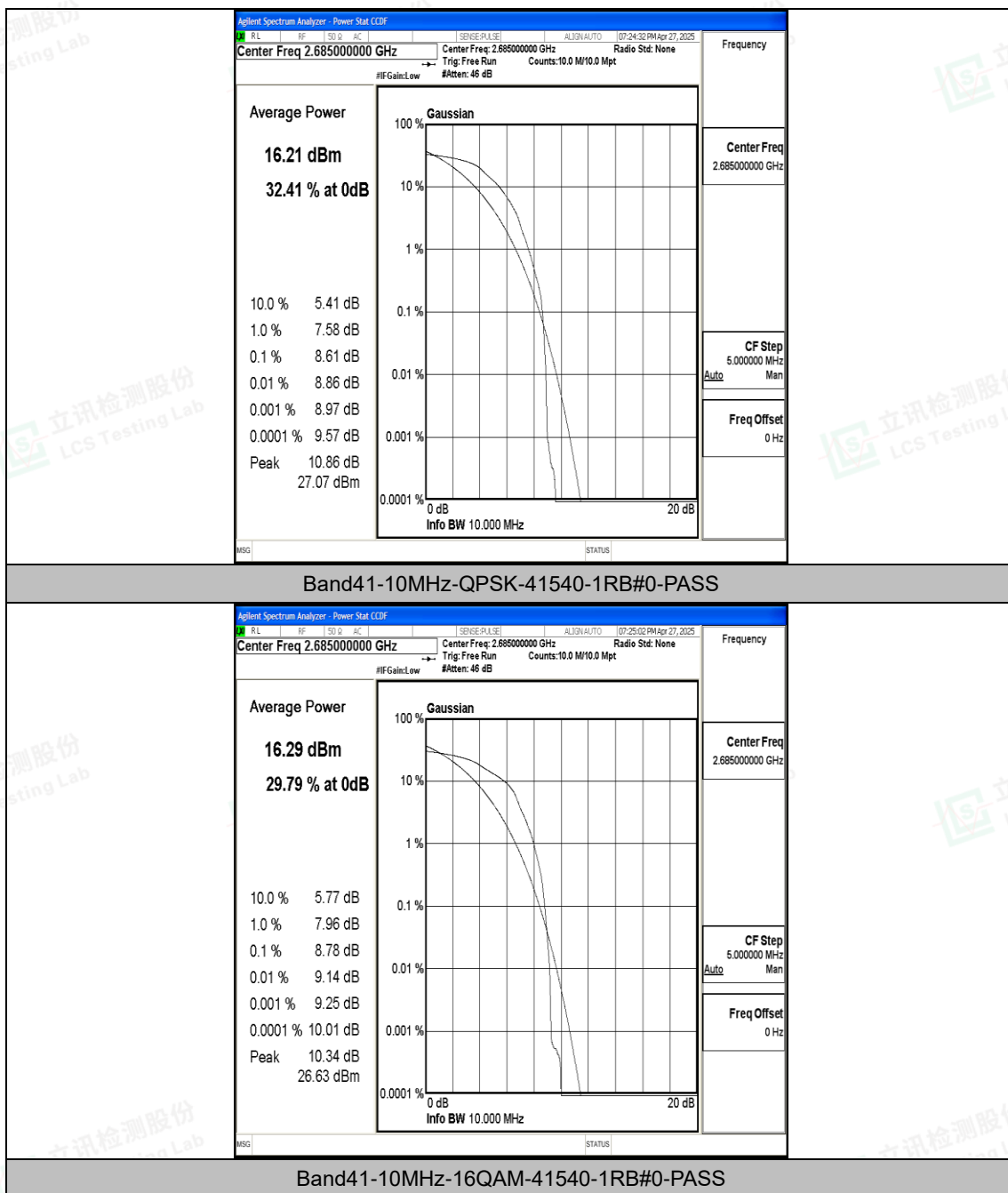


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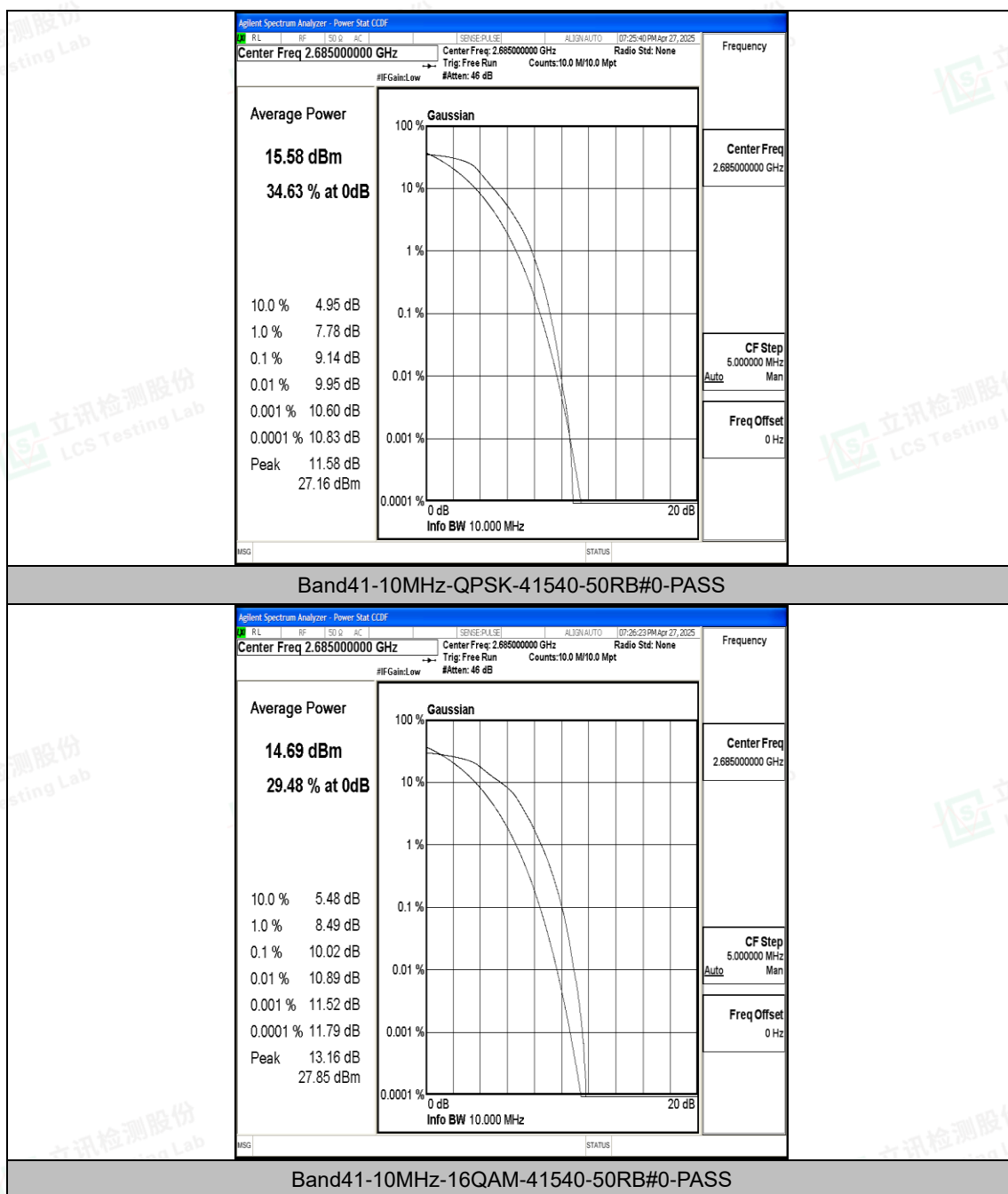


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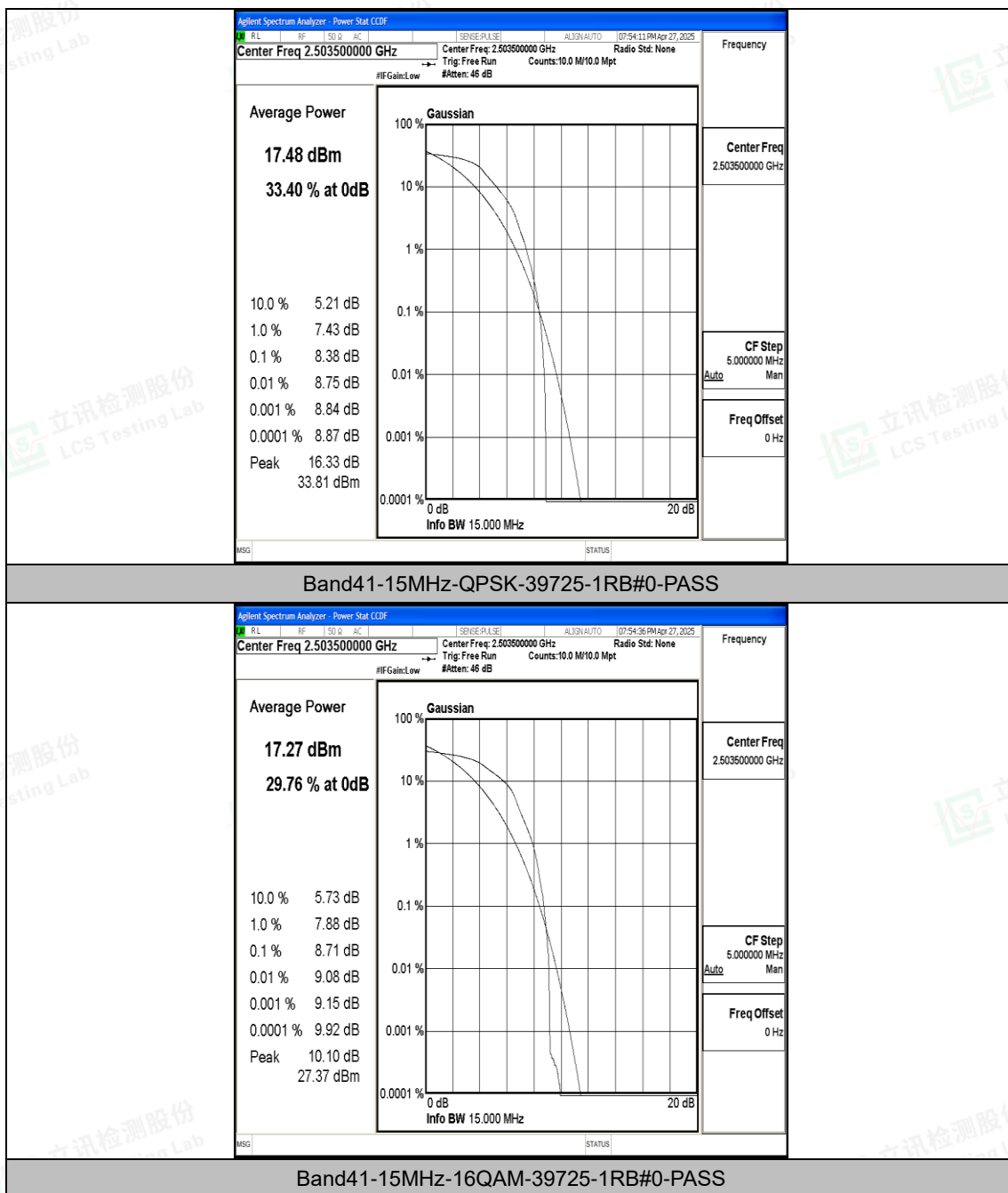


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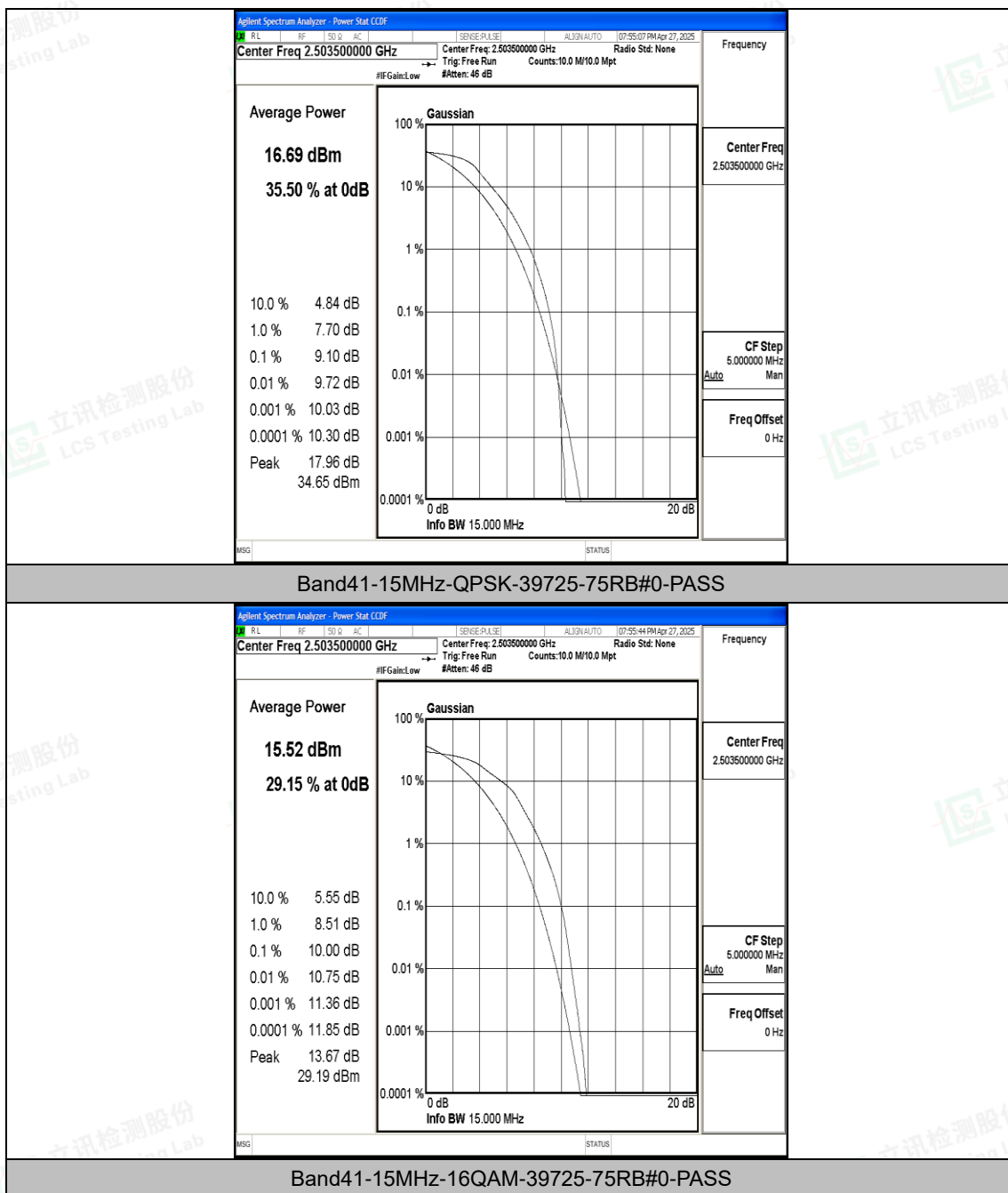


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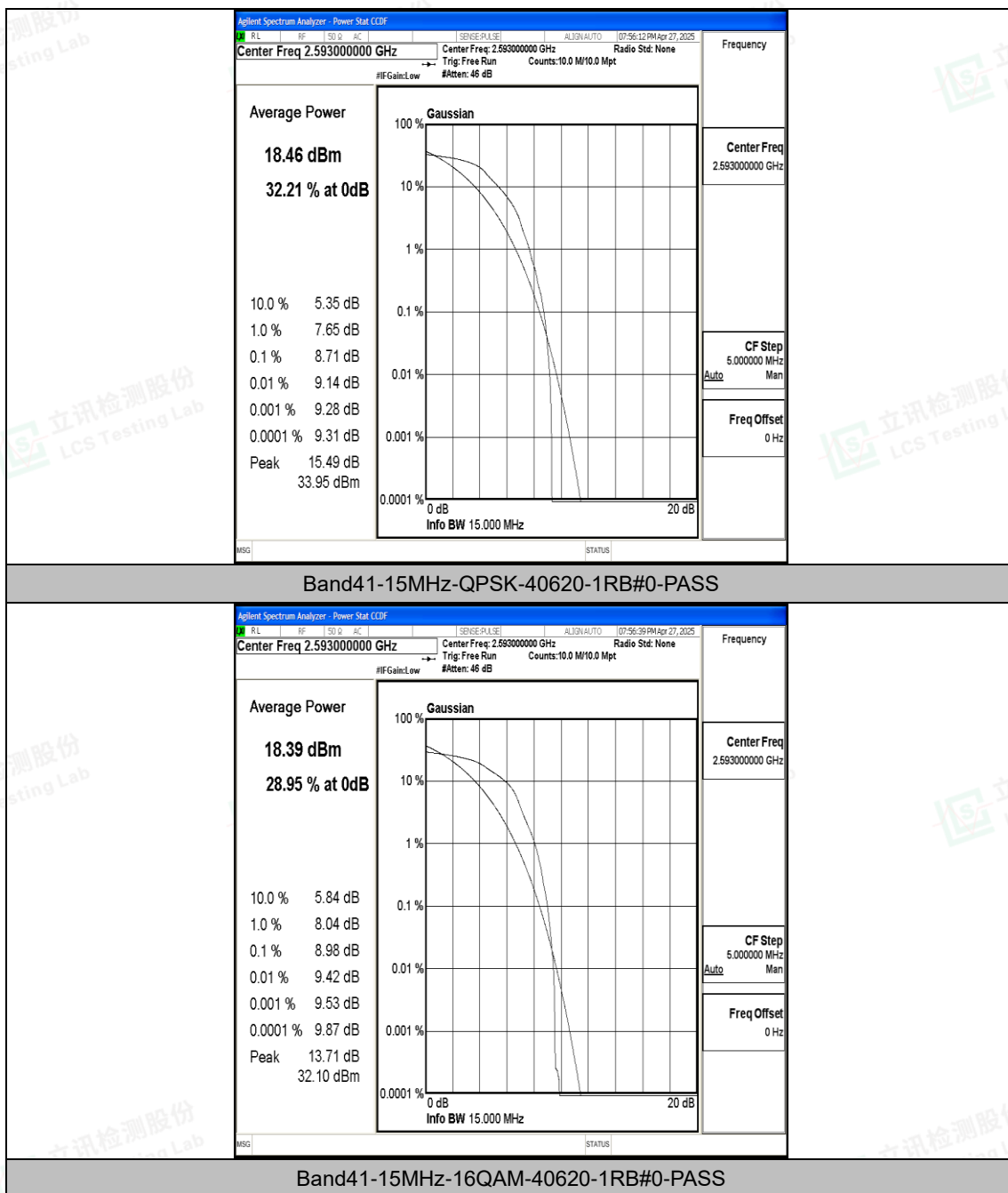


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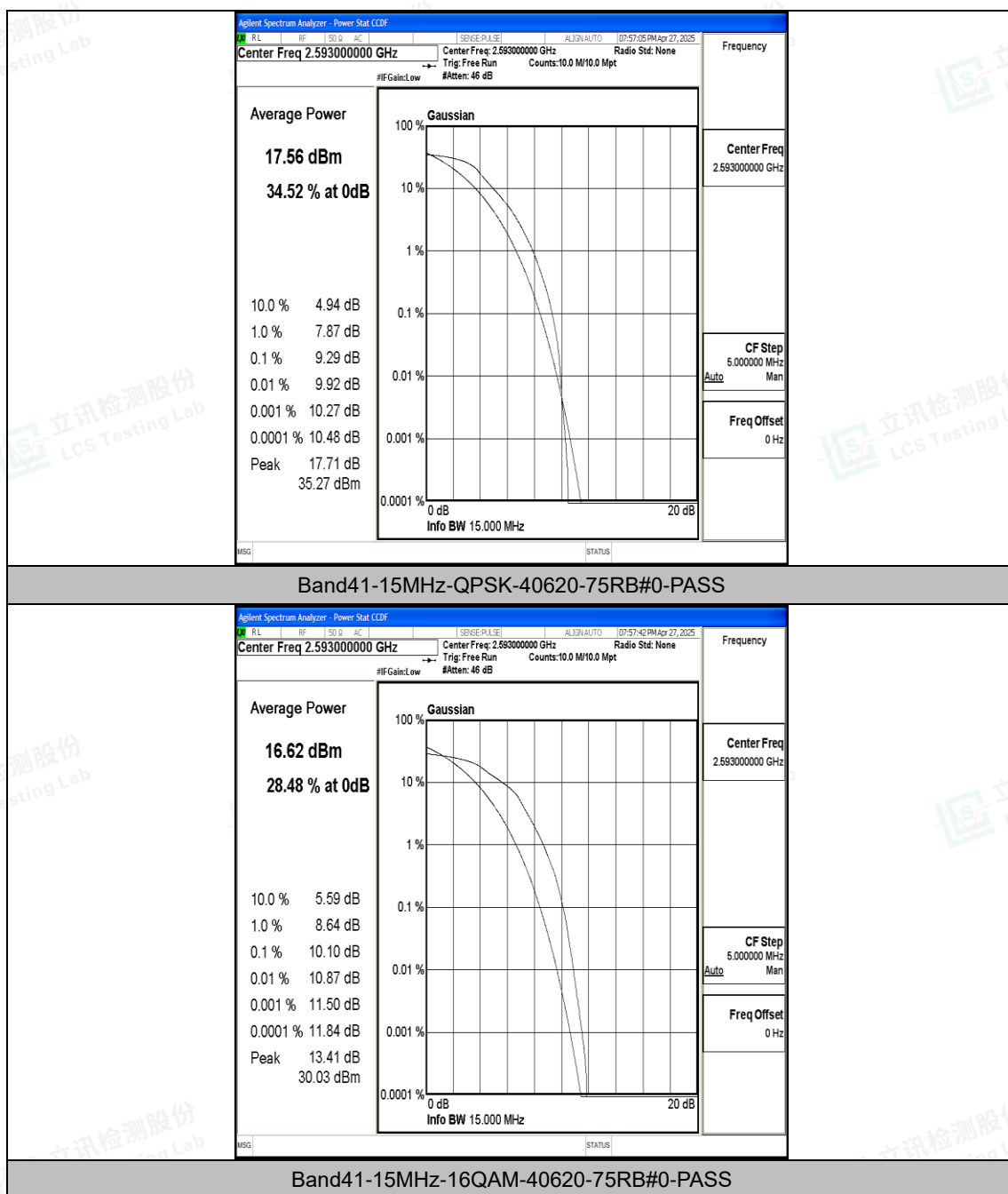


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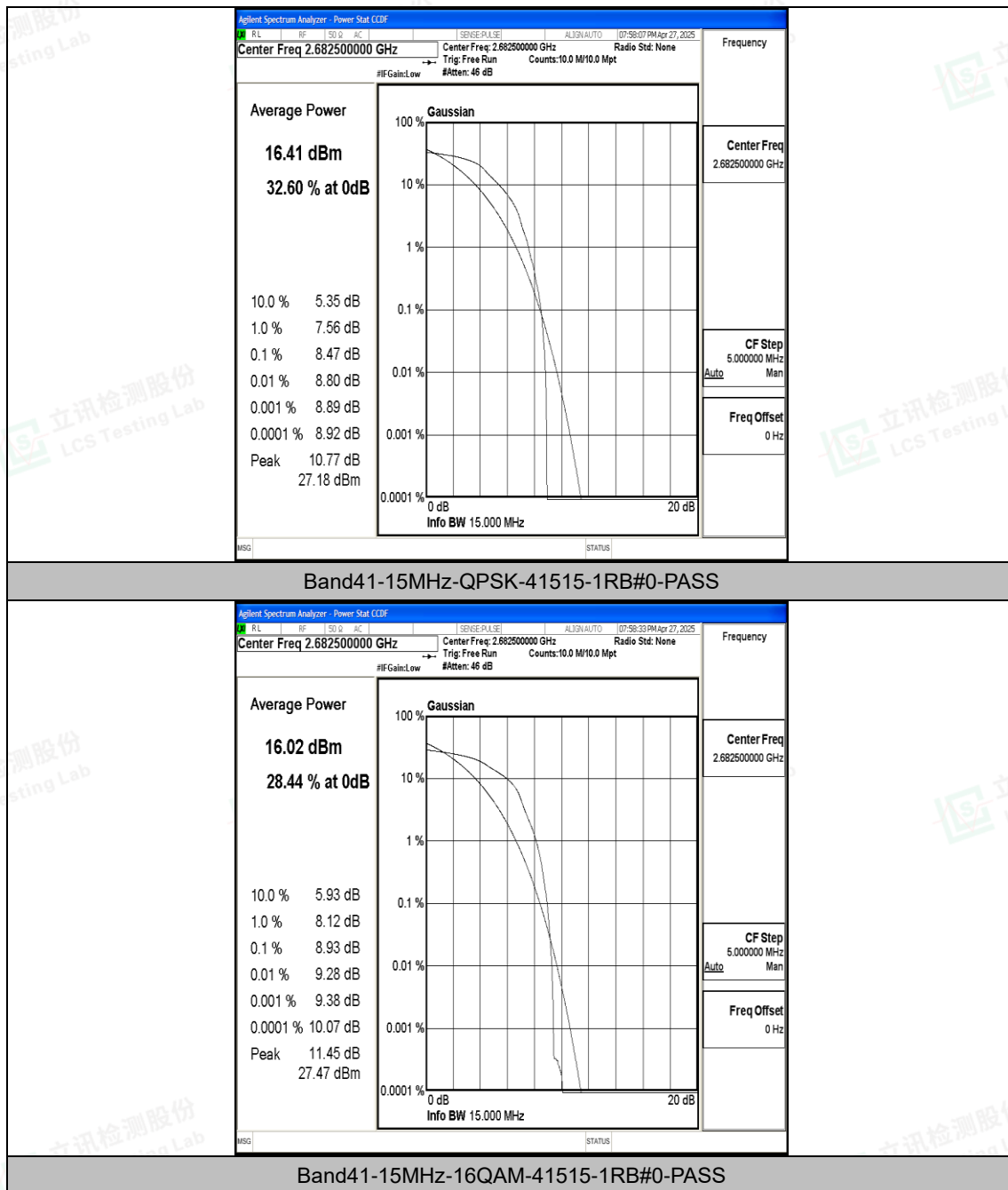


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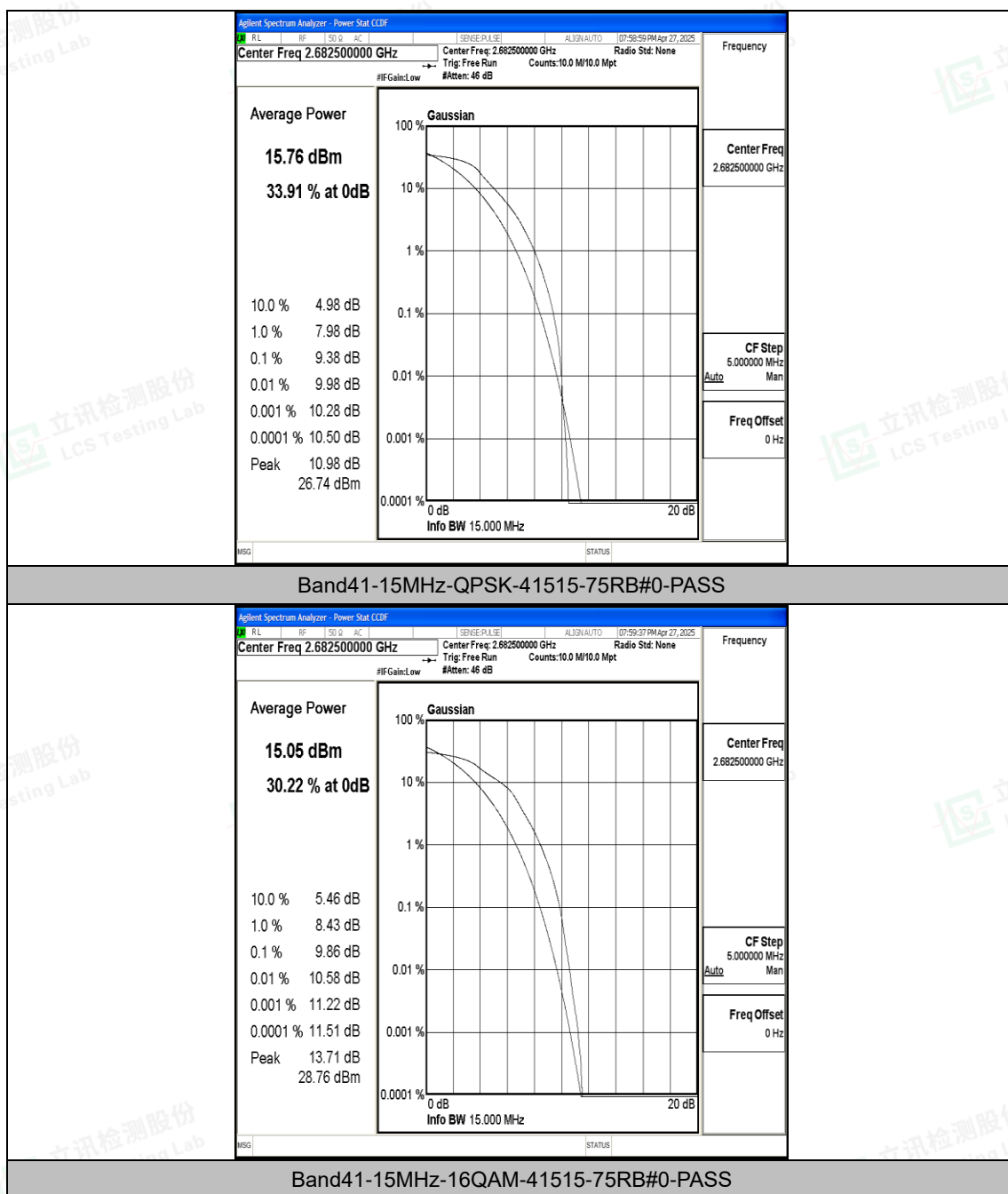


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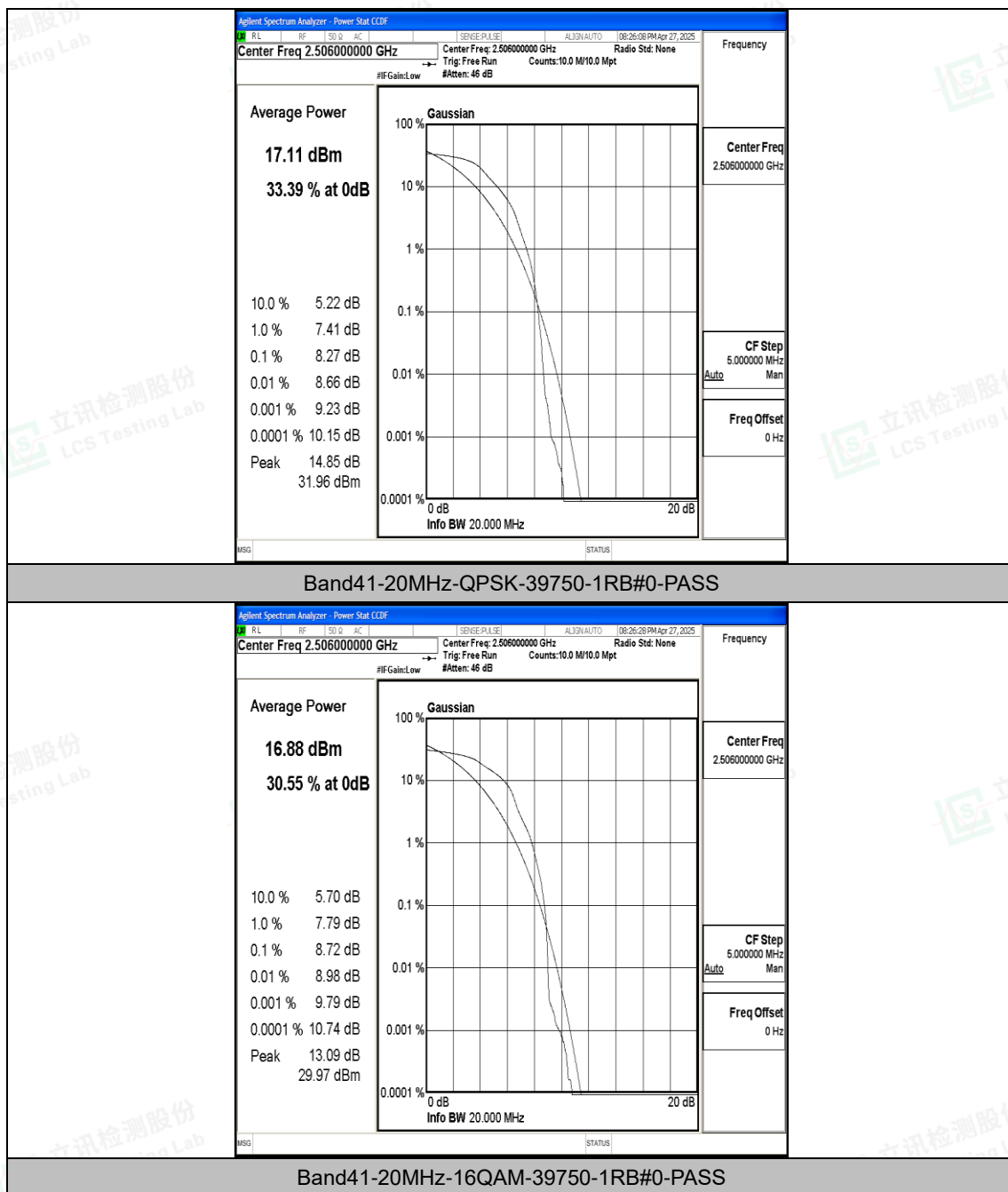


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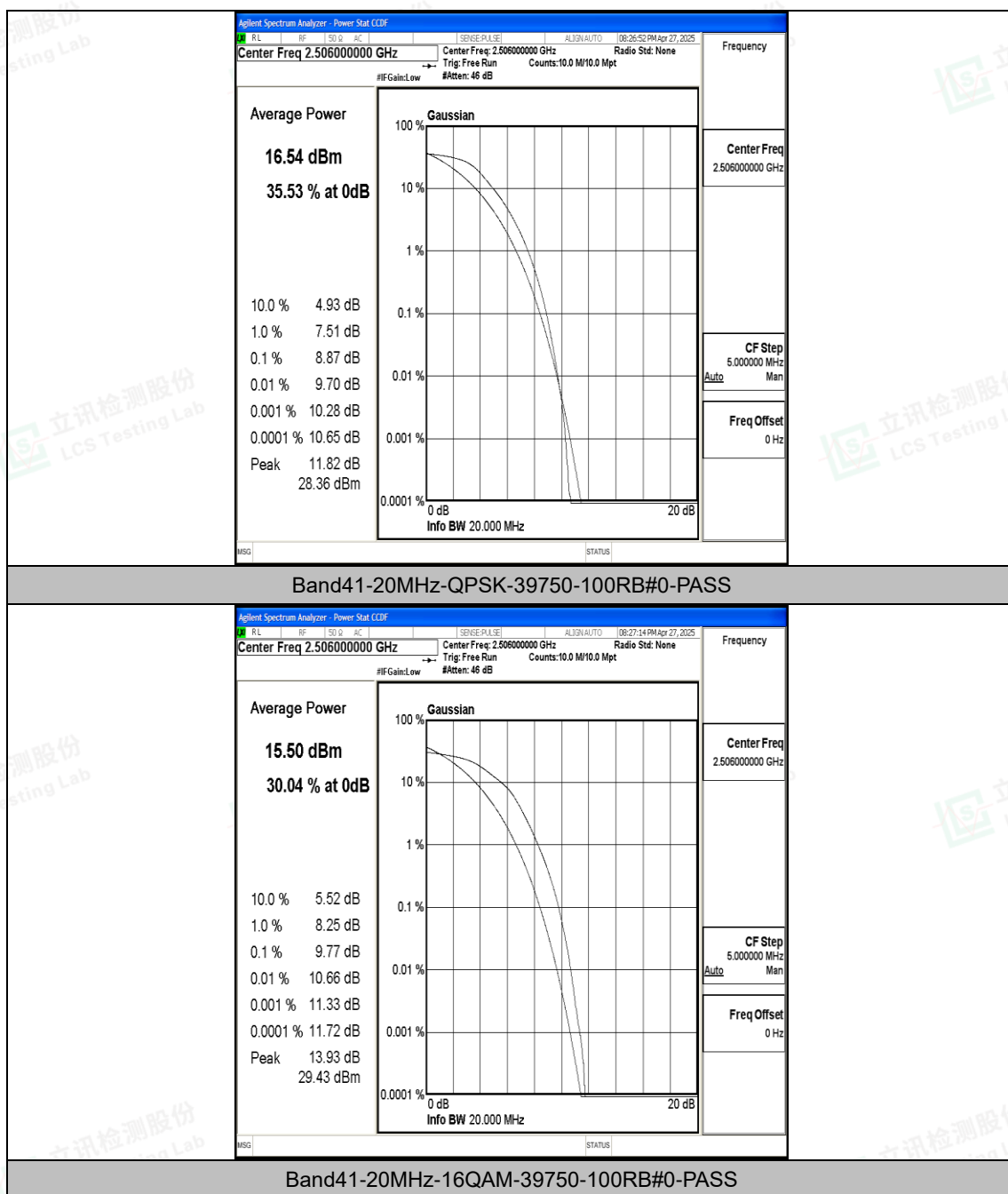


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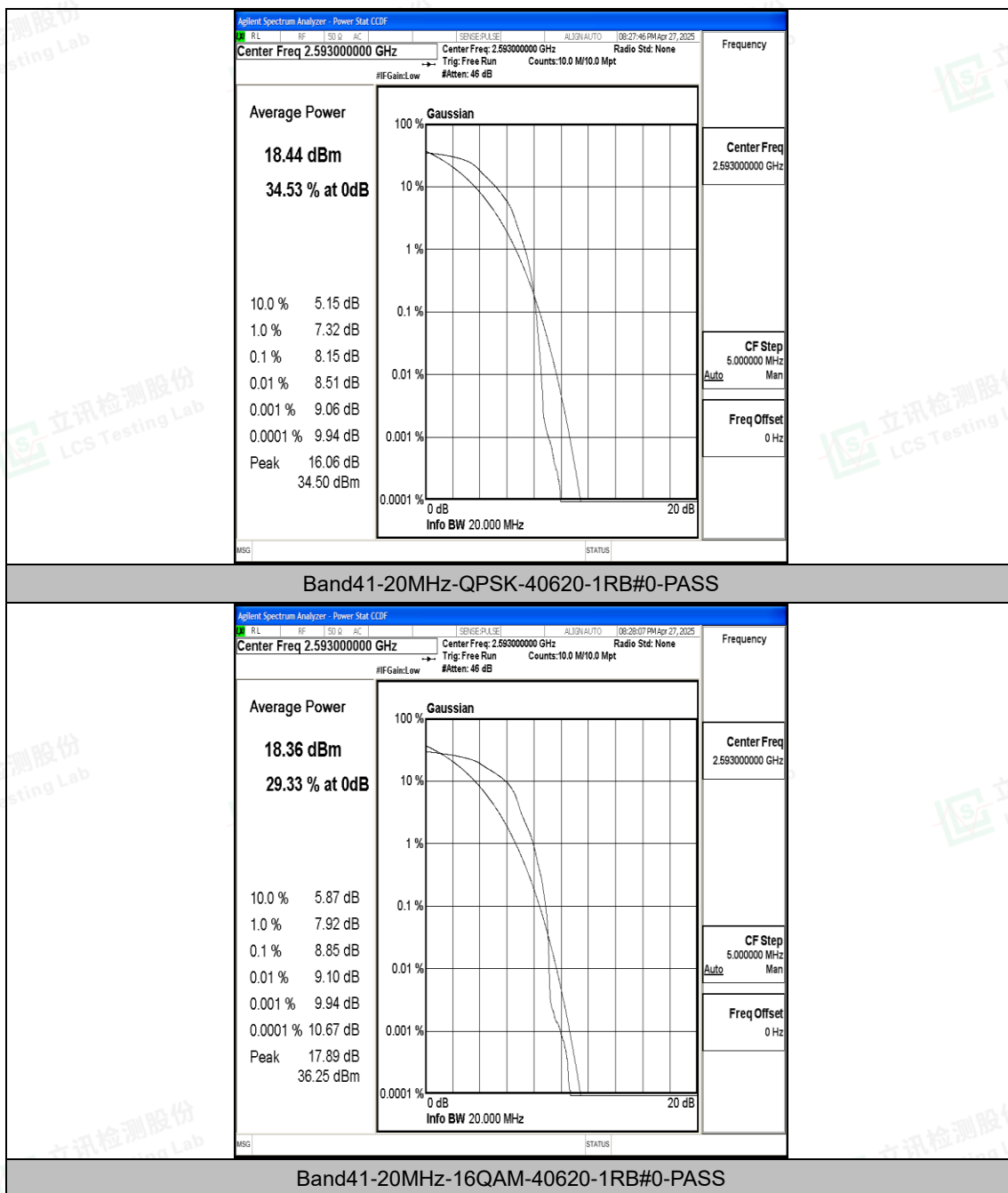


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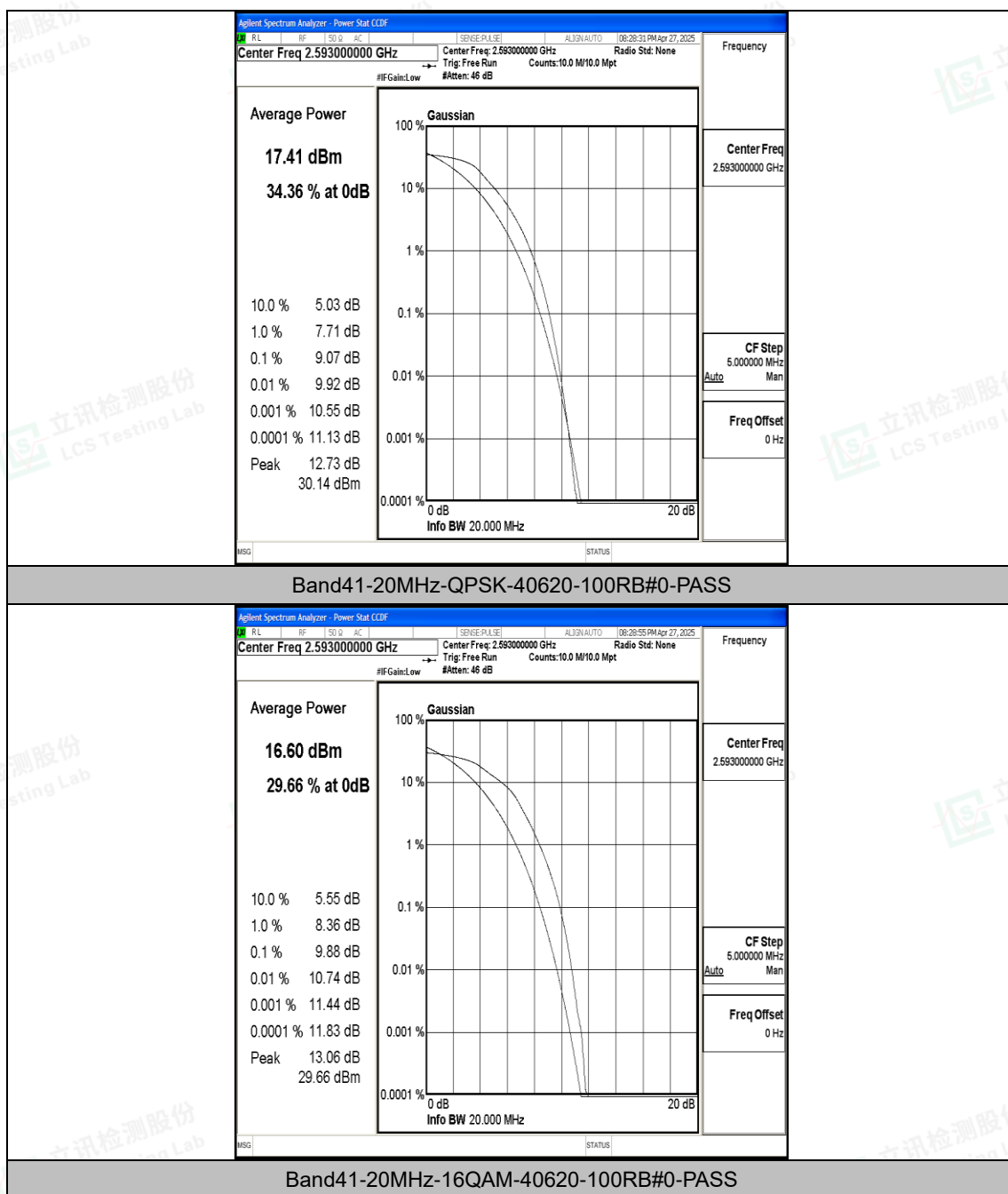


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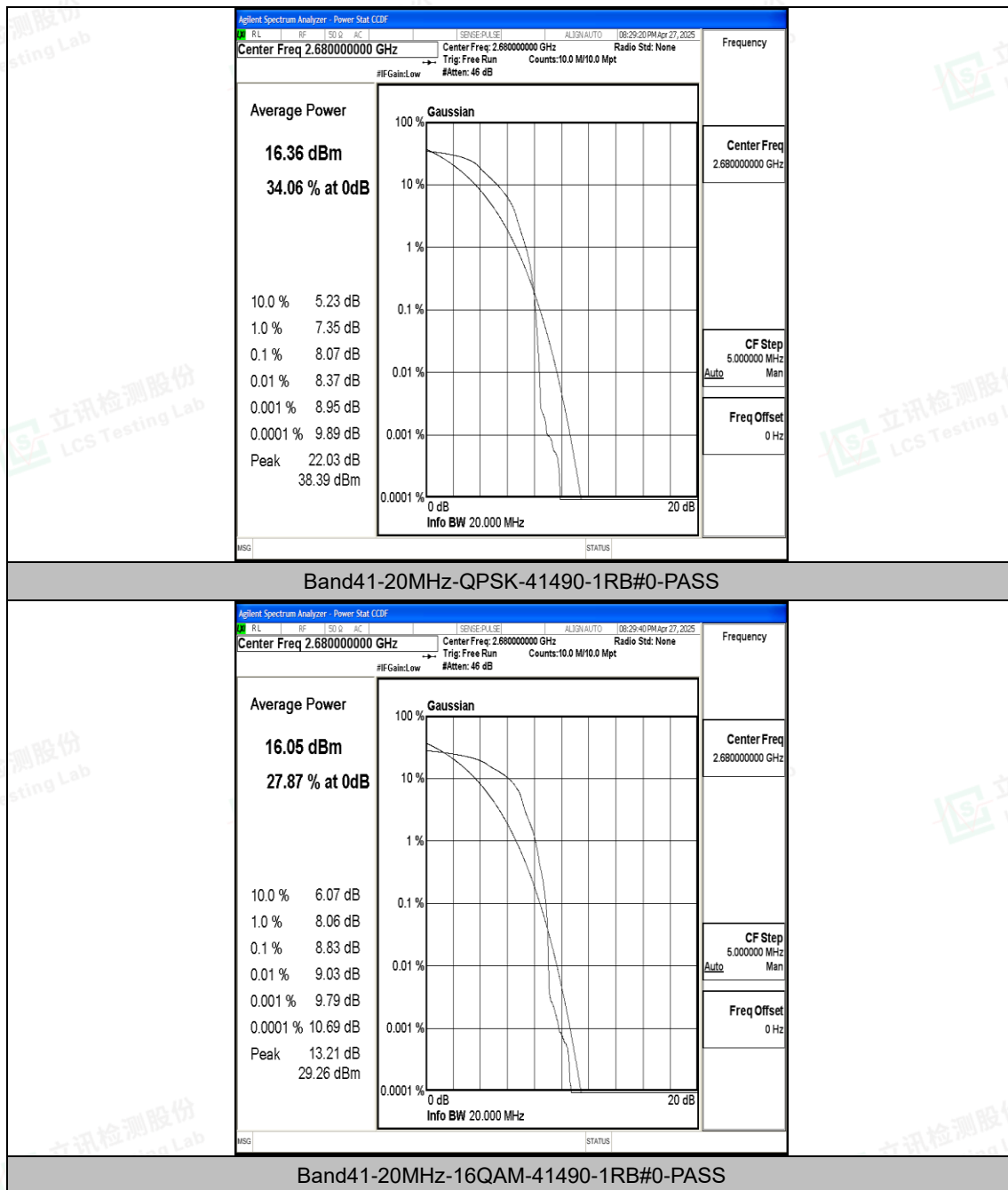


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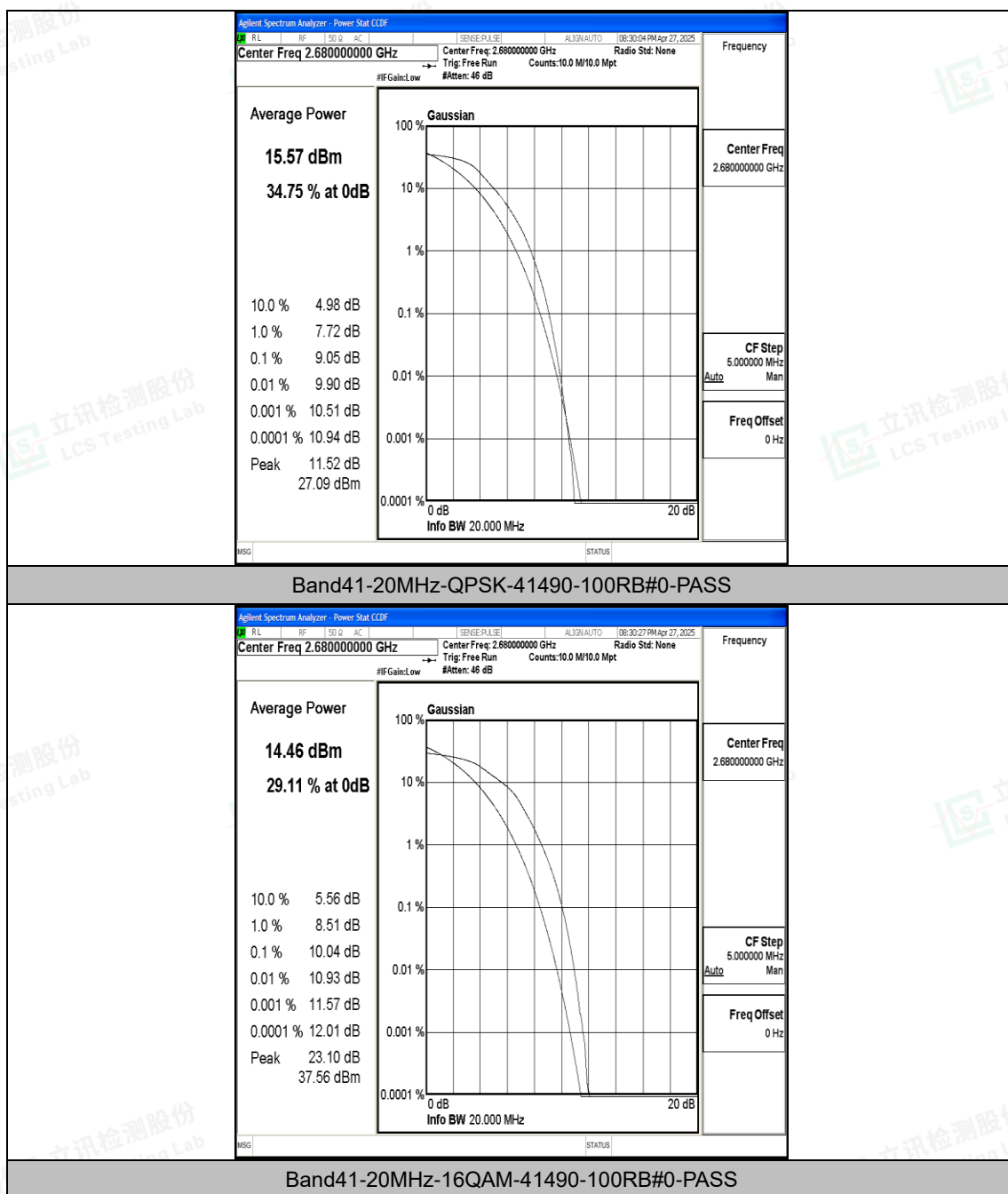


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J.3 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band41	5MHz	QPSK	39675	25RB#0	4.5088	5.272	PASS
Band41	5MHz	16QAM	39675	25RB#0	4.5178	5.295	PASS
Band41	5MHz	QPSK	40620	25RB#0	4.5169	5.216	PASS
Band41	5MHz	16QAM	40620	25RB#0	4.5092	5.423	PASS
Band41	5MHz	QPSK	41565	25RB#0	4.4870	5.116	PASS
Band41	5MHz	16QAM	41565	25RB#0	4.4967	5.295	PASS
Band41	10MHz	QPSK	39700	50RB#0	8.9837	10.04	PASS
Band41	10MHz	16QAM	39700	50RB#0	8.9645	10.10	PASS
Band41	10MHz	QPSK	40620	50RB#0	8.9896	10.02	PASS
Band41	10MHz	16QAM	40620	50RB#0	9.0058	10.05	PASS
Band41	10MHz	QPSK	41540	50RB#0	9.0075	10.21	PASS
Band41	10MHz	16QAM	41540	50RB#0	8.9965	11.01	PASS
Band41	15MHz	QPSK	39725	75RB#0	13.583	16.75	PASS
Band41	15MHz	16QAM	39725	75RB#0	13.510	15.33	PASS
Band41	15MHz	QPSK	40620	75RB#0	13.510	15.73	PASS
Band41	15MHz	16QAM	40620	75RB#0	13.517	15.53	PASS
Band41	15MHz	QPSK	41515	75RB#0	13.532	15.46	PASS
Band41	15MHz	16QAM	41515	75RB#0	13.465	15.19	PASS
Band41	20MHz	QPSK	39750	100RB#0	17.943	20.38	PASS
Band41	20MHz	16QAM	39750	100RB#0	18.010	20.58	PASS
Band41	20MHz	QPSK	40620	100RB#0	18.025	19.74	PASS
Band41	20MHz	16QAM	40620	100RB#0	18.017	20.31	PASS
Band41	20MHz	QPSK	41490	100RB#0	18.030	20.18	PASS
Band41	20MHz	16QAM	41490	100RB#0	18.018	20.07	PASS



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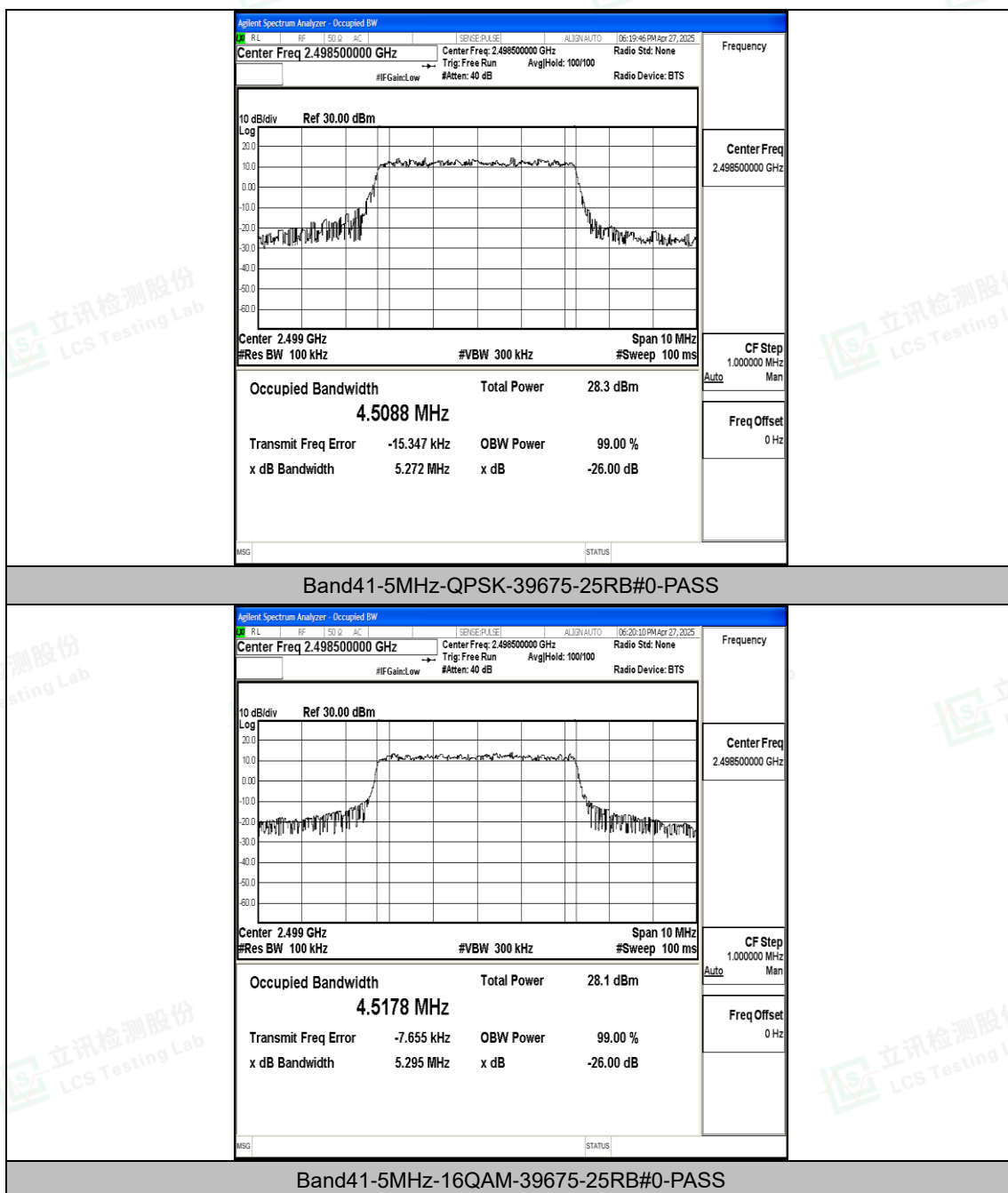
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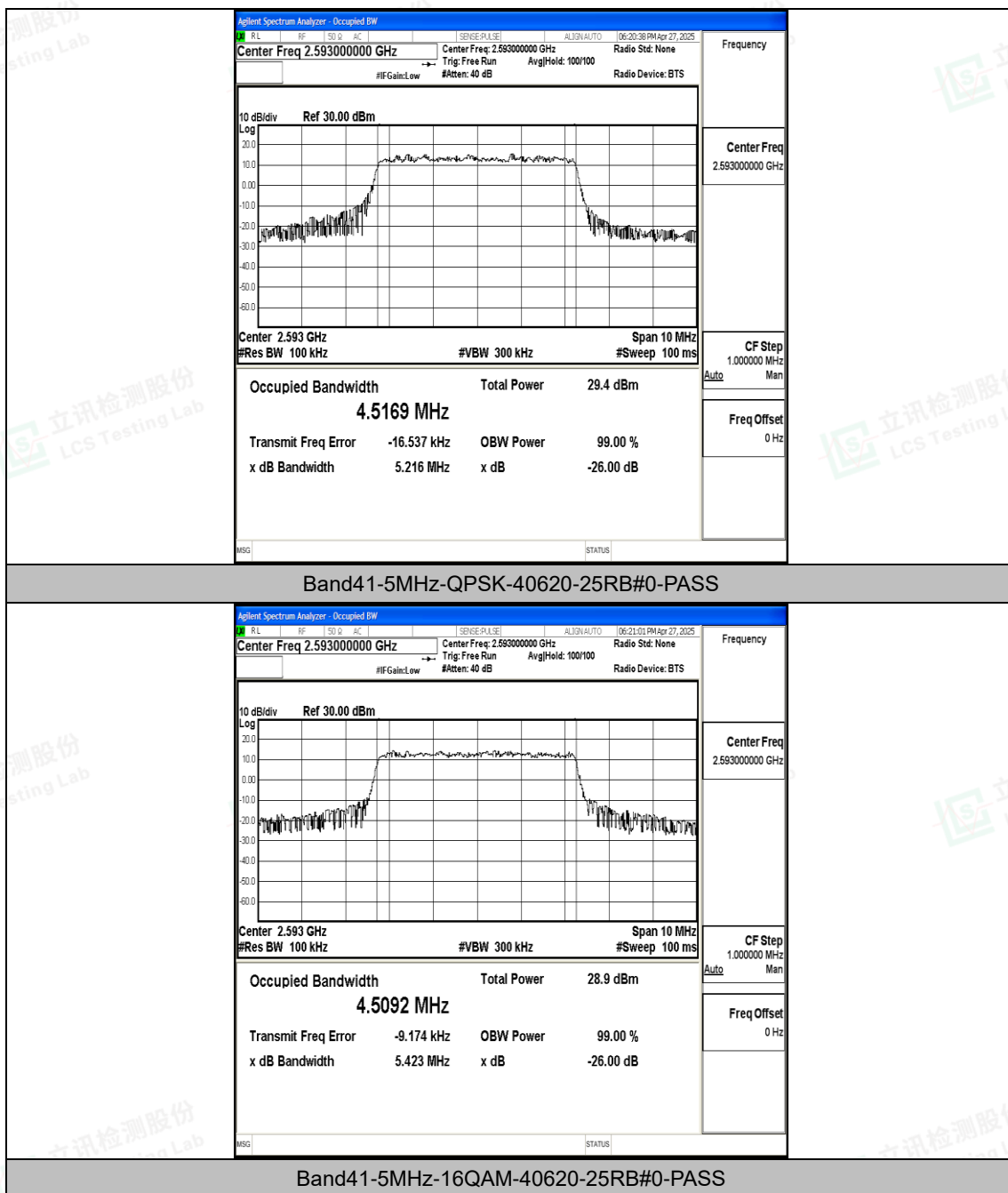
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Test Graphs



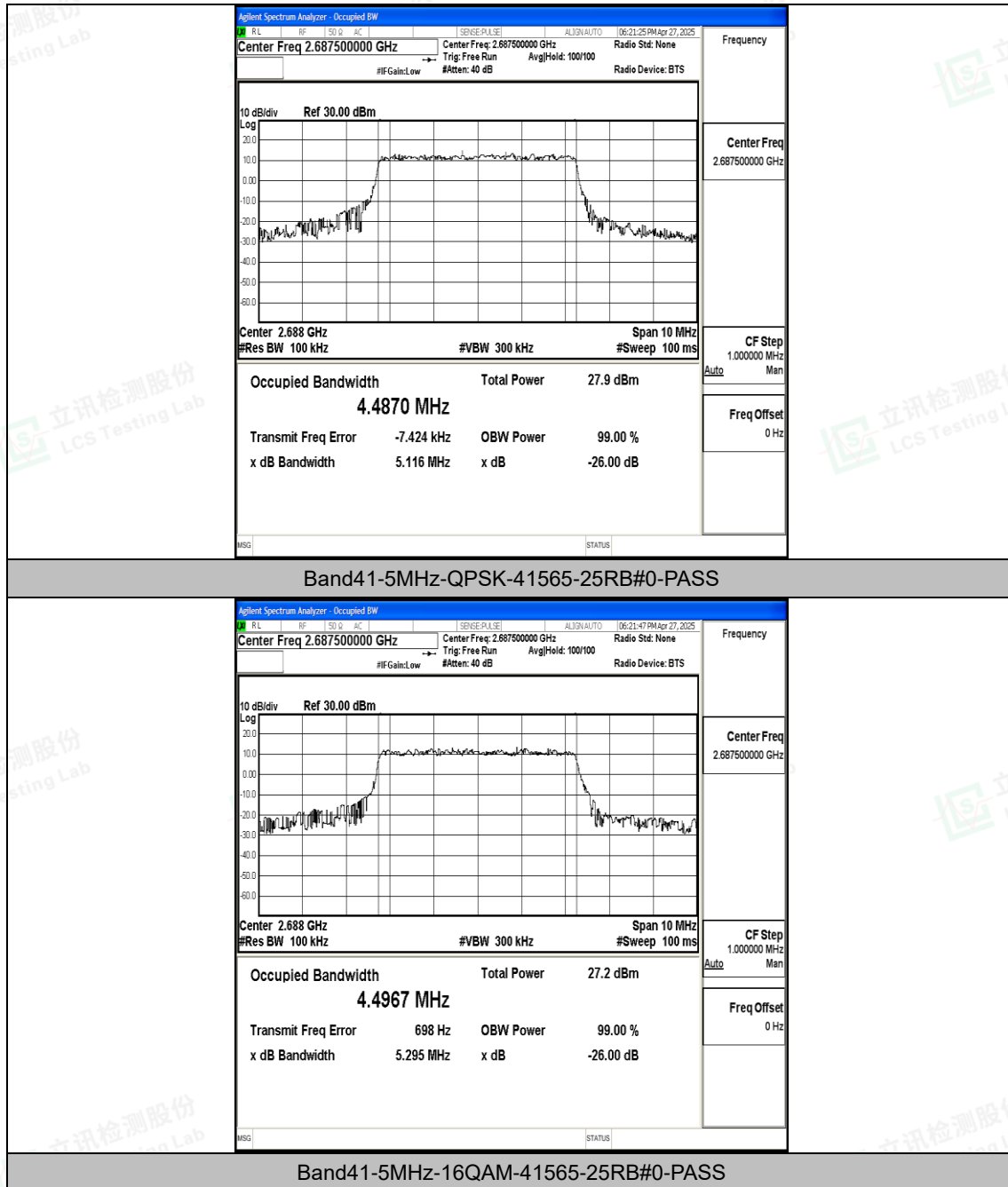


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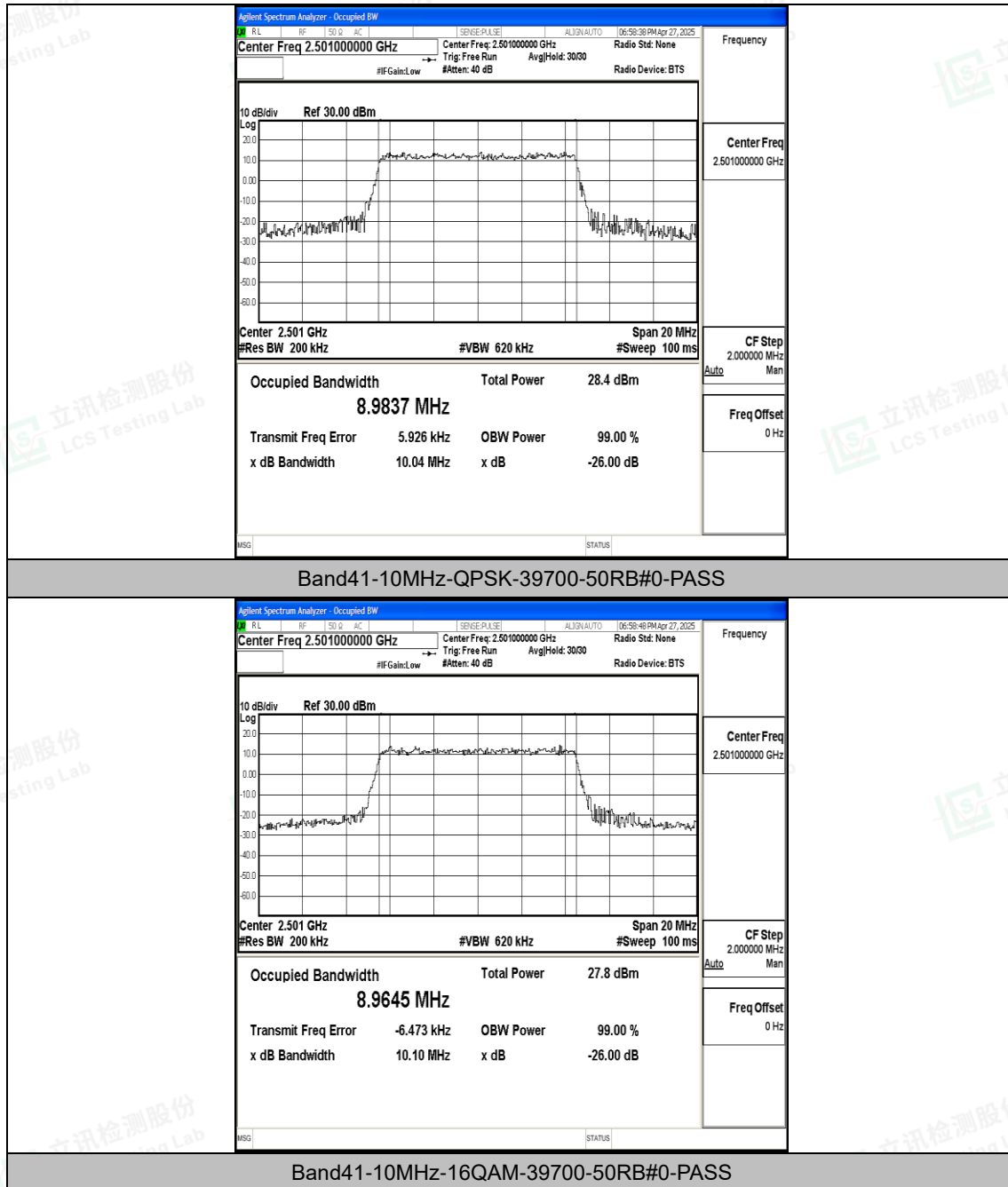


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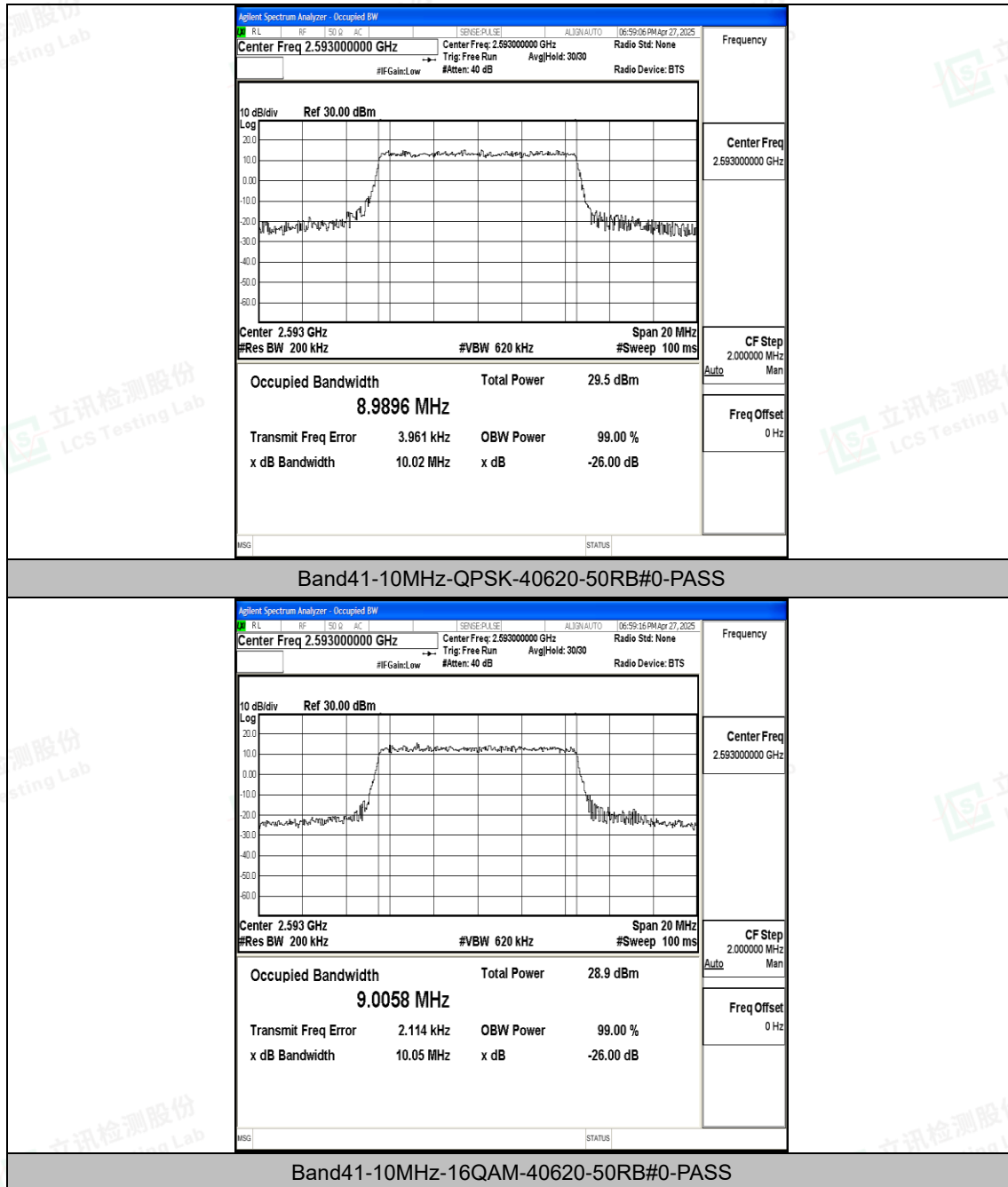


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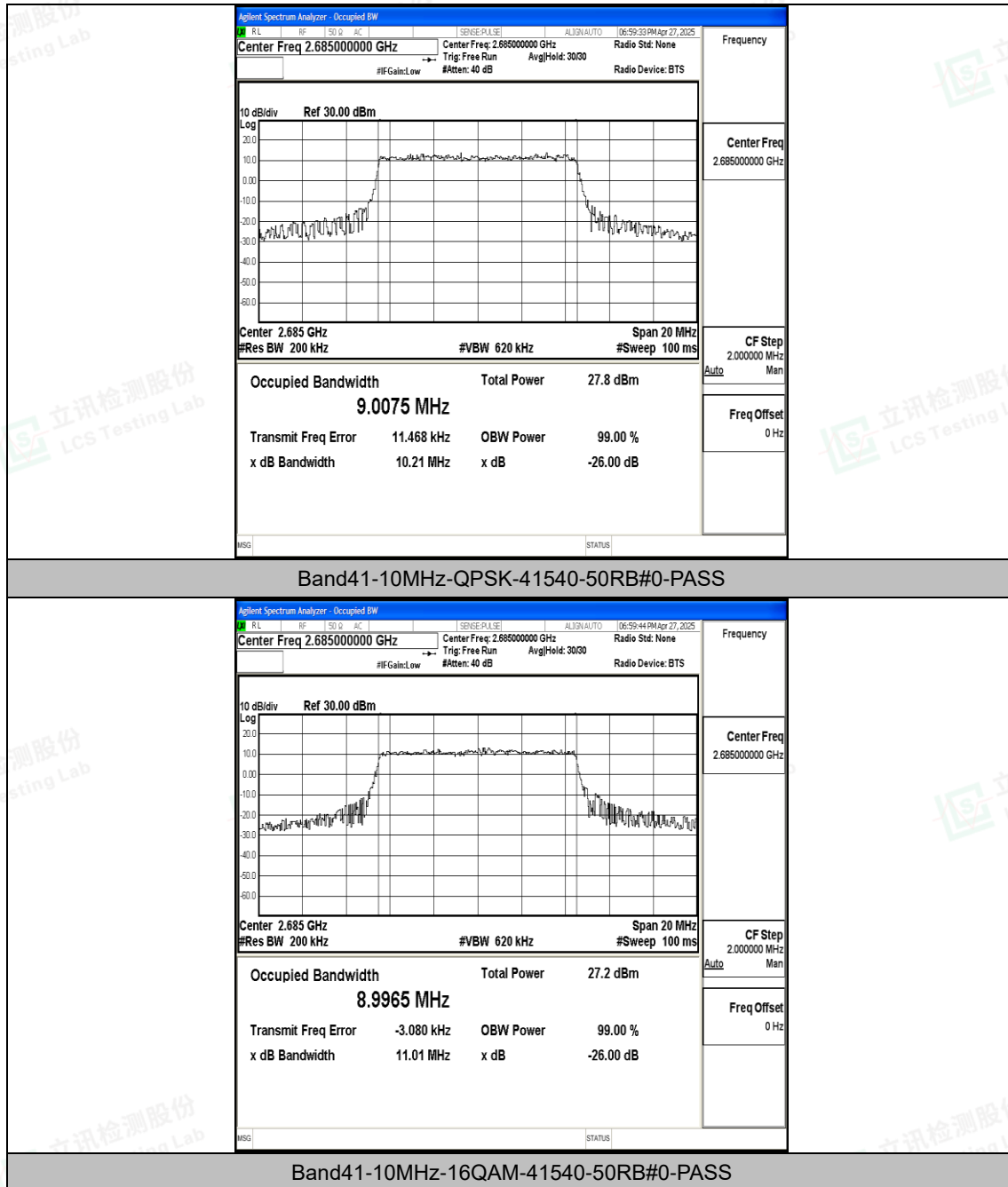


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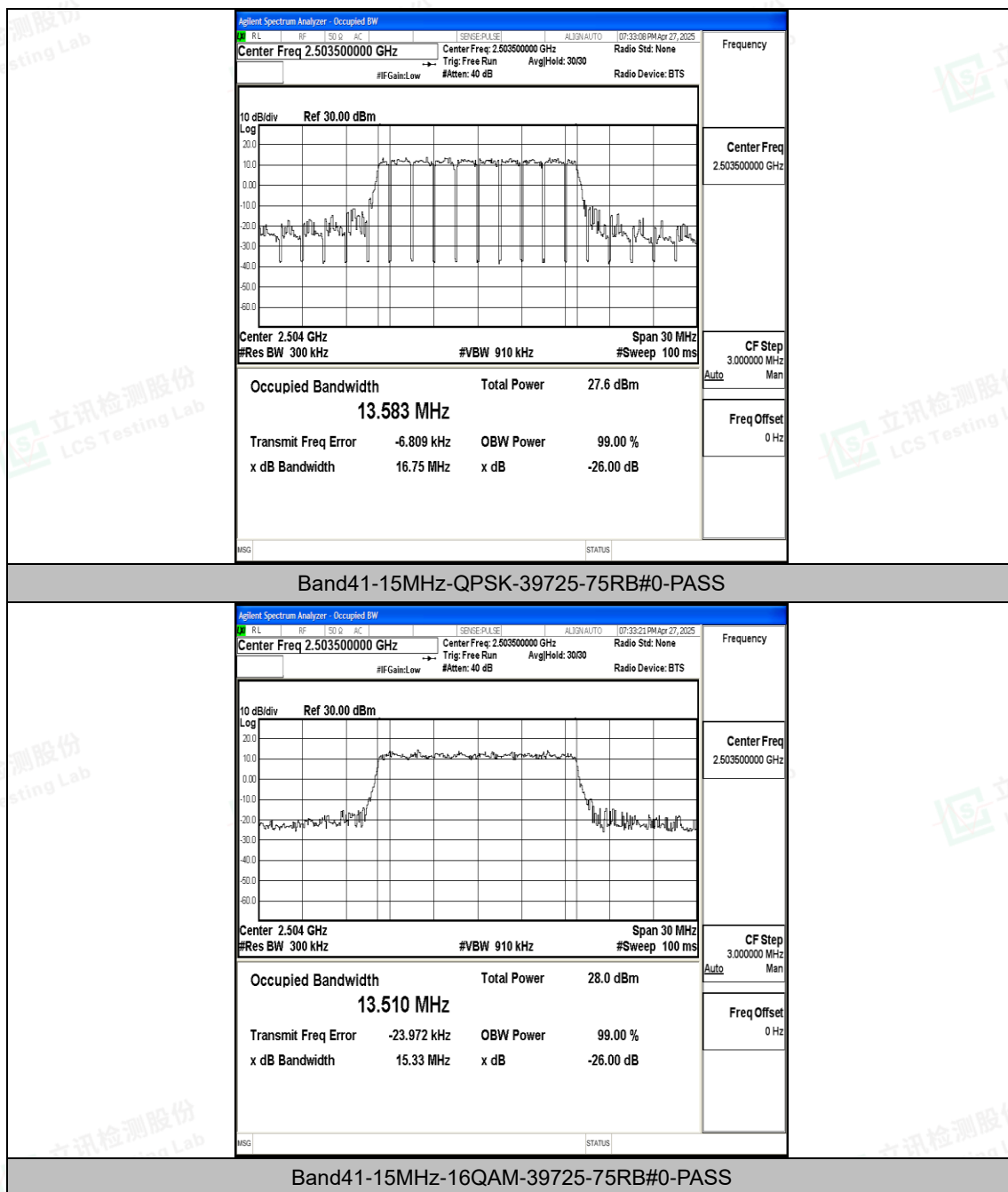


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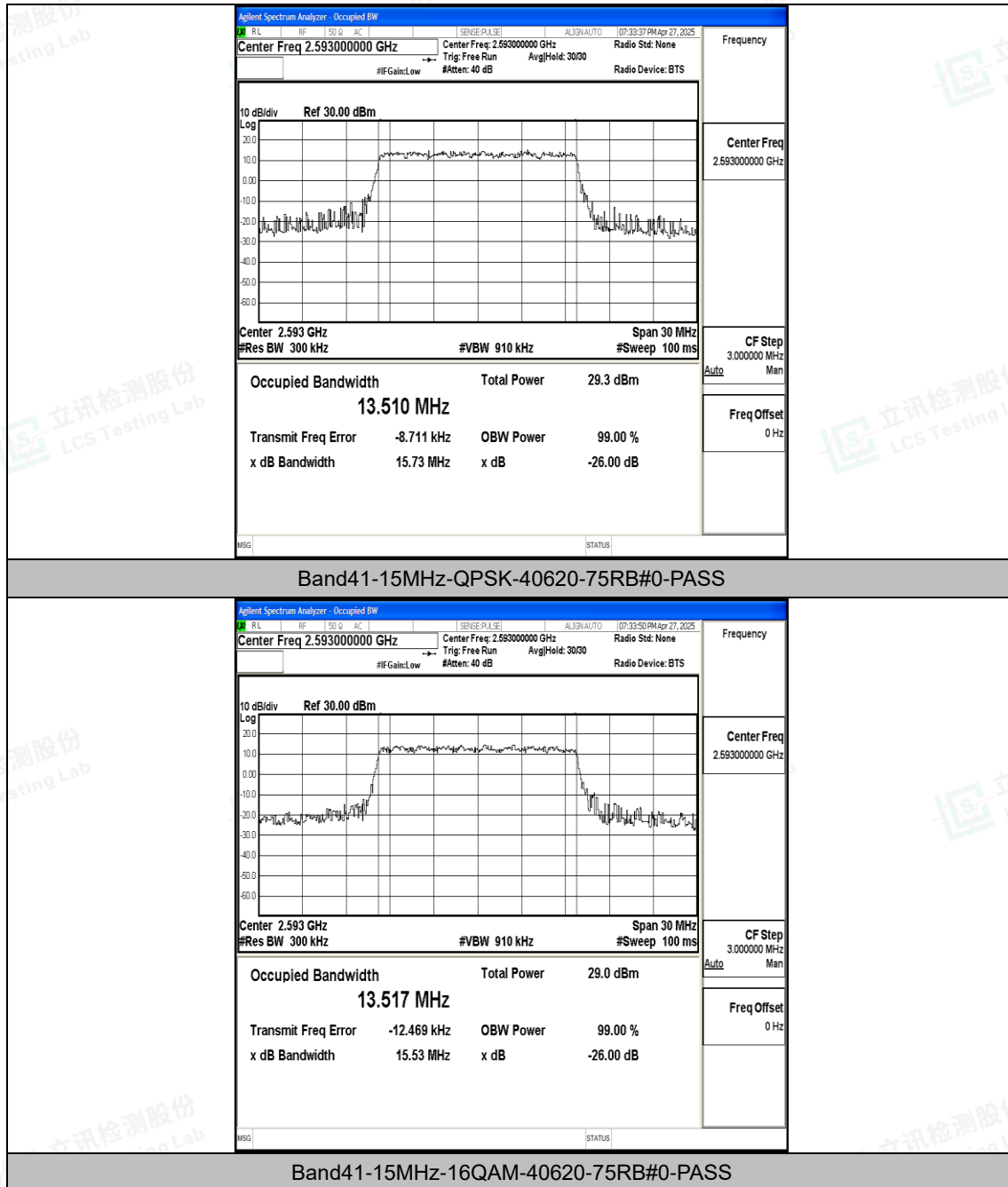


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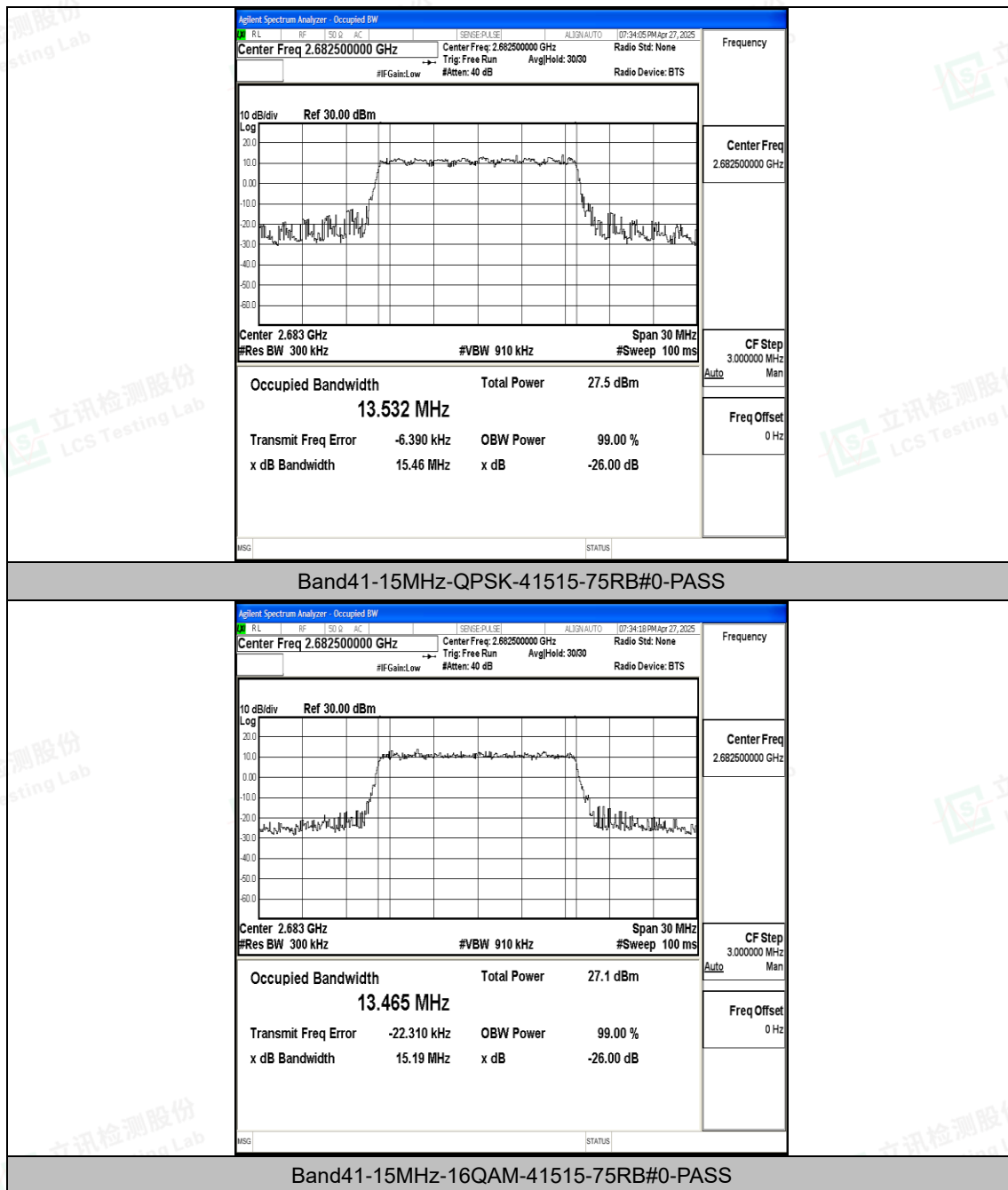


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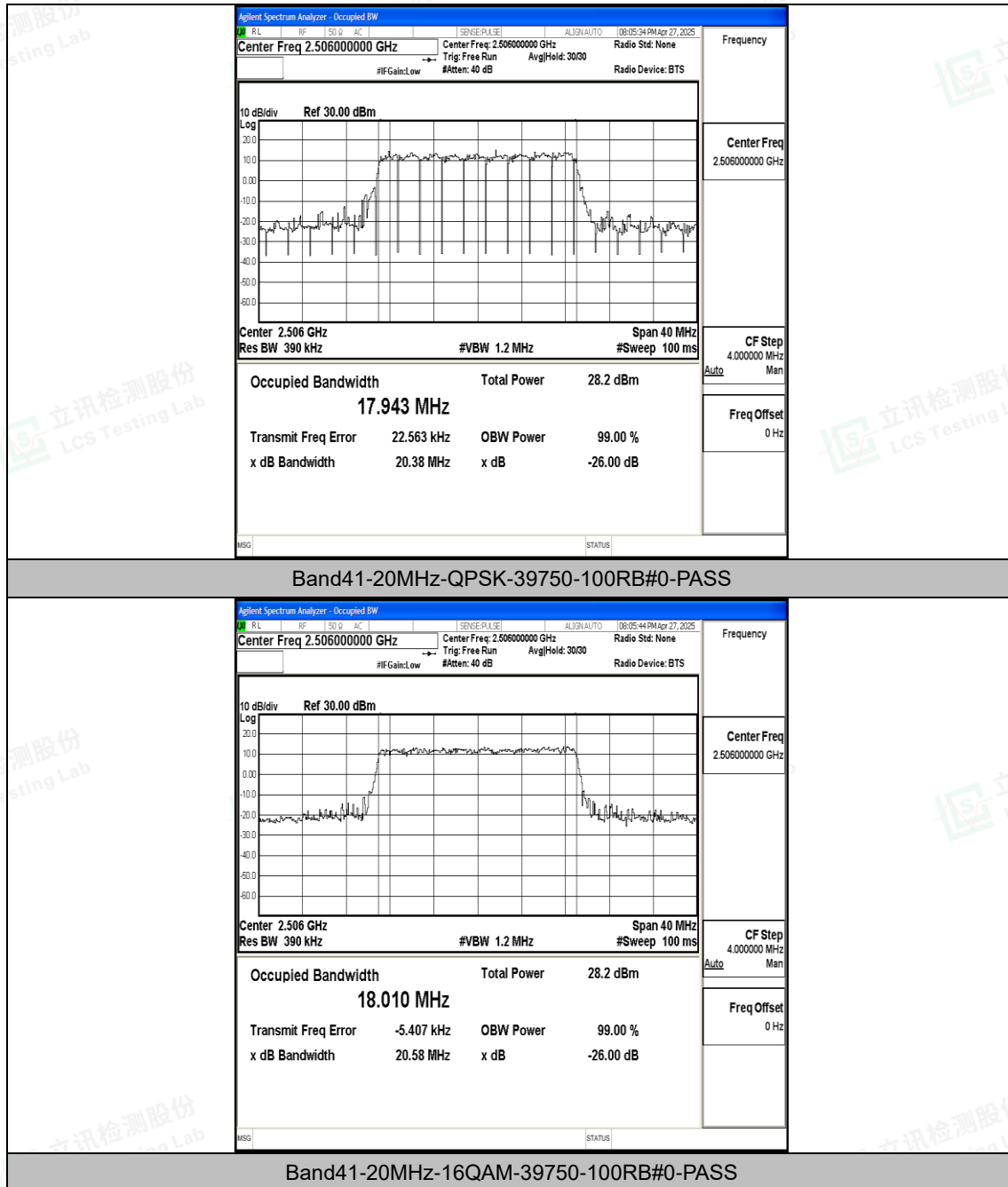


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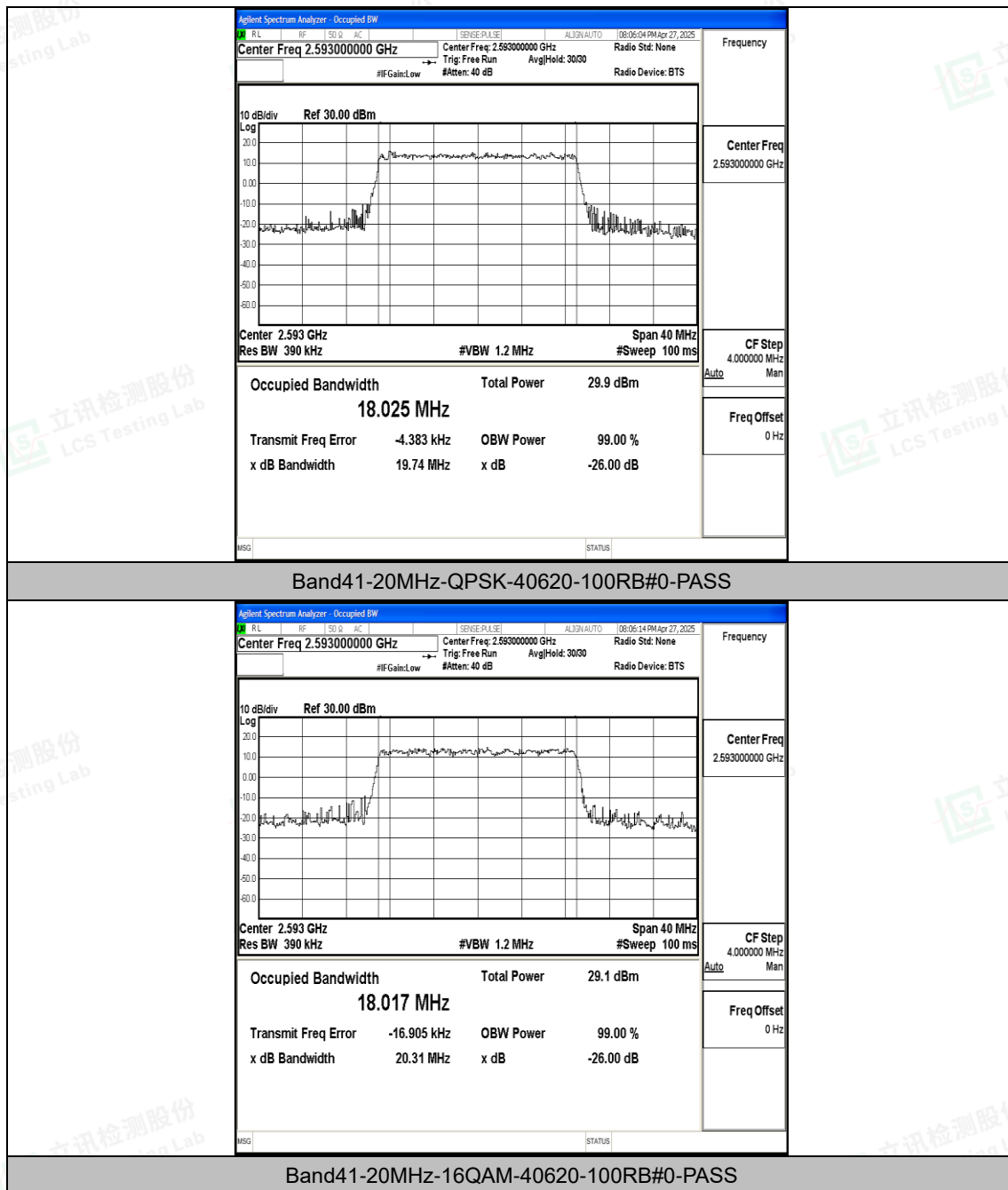


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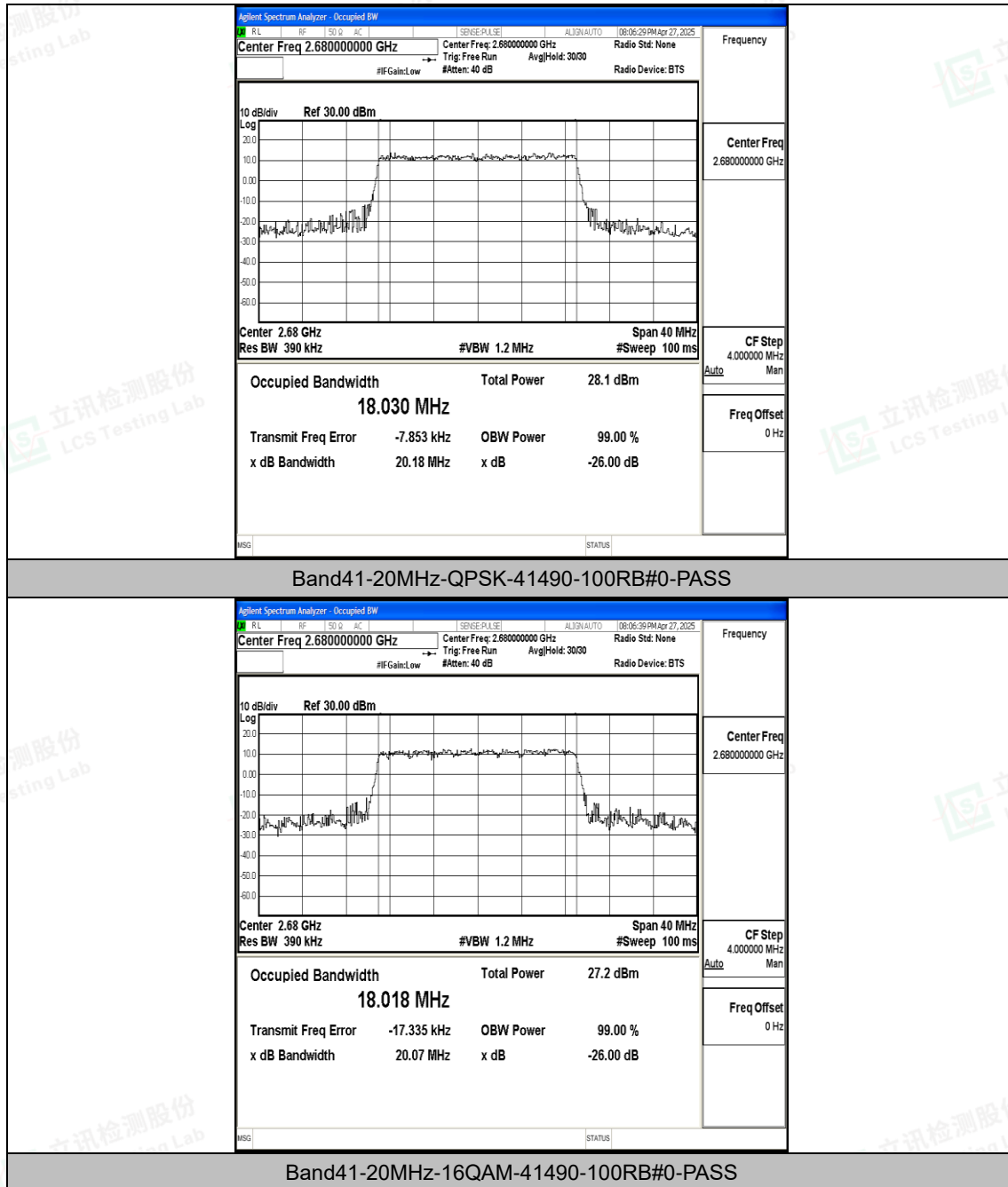


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