



Appendix P: Test Data for E-UTRA Band 41

Product Name: BluePad-5500 Plus

Test Model: BluePad-5500 Plus

Environmental Conditions

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



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P.1 Conducted Output Power Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band41	5MHz	QPSK	39675	1RB#0	24.19	PASS
Band41	5MHz	16QAM	39675	1RB#0	23.50	PASS
Band41	5MHz	QPSK	39675	1RB#12	24.38	PASS
Band41	5MHz	16QAM	39675	1RB#12	23.67	PASS
Band41	5MHz	QPSK	39675	1RB#24	24.27	PASS
Band41	5MHz	16QAM	39675	1RB#24	23.60	PASS
Band41	5MHz	QPSK	39675	12RB#0	23.34	PASS
Band41	5MHz	16QAM	39675	12RB#0	22.24	PASS
Band41	5MHz	QPSK	39675	12RB#6	23.33	PASS
Band41	5MHz	16QAM	39675	12RB#6	22.24	PASS
Band41	5MHz	QPSK	39675	12RB#13	23.32	PASS
Band41	5MHz	16QAM	39675	12RB#13	22.26	PASS
Band41	5MHz	QPSK	39675	25RB#0	23.36	PASS
Band41	5MHz	16QAM	39675	25RB#0	22.35	PASS
Band41	5MHz	QPSK	40620	1RB#0	24.43	PASS
Band41	5MHz	16QAM	40620	1RB#0	23.76	PASS
Band41	5MHz	QPSK	40620	1RB#12	24.57	PASS
Band41	5MHz	16QAM	40620	1RB#12	23.88	PASS
Band41	5MHz	QPSK	40620	1RB#24	24.41	PASS
Band41	5MHz	16QAM	40620	1RB#24	23.72	PASS
Band41	5MHz	QPSK	40620	12RB#0	23.51	PASS
Band41	5MHz	16QAM	40620	12RB#0	22.49	PASS
Band41	5MHz	QPSK	40620	12RB#6	23.53	PASS
Band41	5MHz	16QAM	40620	12RB#6	22.50	PASS
Band41	5MHz	QPSK	40620	12RB#13	23.48	PASS
Band41	5MHz	16QAM	40620	12RB#13	22.45	PASS
Band41	5MHz	QPSK	40620	25RB#0	23.56	PASS
Band41	5MHz	16QAM	40620	25RB#0	22.55	PASS
Band41	5MHz	QPSK	41565	1RB#0	24.07	PASS
Band41	5MHz	16QAM	41565	1RB#0	23.43	PASS
Band41	5MHz	QPSK	41565	1RB#12	24.15	PASS
Band41	5MHz	16QAM	41565	1RB#12	23.47	PASS
Band41	5MHz	QPSK	41565	1RB#24	23.96	PASS
Band41	5MHz	16QAM	41565	1RB#24	23.31	PASS
Band41	5MHz	QPSK	41565	12RB#0	23.17	PASS
Band41	5MHz	16QAM	41565	12RB#0	22.11	PASS



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Band41	10MHz	QPSK	39700	1RB#0	24.41	PASS
Band41	10MHz	16QAM	39700	1RB#0	23.05	PASS
Band41	10MHz	QPSK	39700	1RB#24	24.73	PASS
Band41	10MHz	16QAM	39700	1RB#24	23.38	PASS
Band41	10MHz	QPSK	39700	1RB#49	24.52	PASS
Band41	10MHz	16QAM	39700	1RB#49	23.18	PASS
Band41	10MHz	QPSK	39700	25RB#0	23.45	PASS
Band41	10MHz	16QAM	39700	25RB#0	22.44	PASS
Band41	10MHz	QPSK	39700	25RB#12	23.46	PASS
Band41	10MHz	16QAM	39700	25RB#12	22.43	PASS
Band41	10MHz	QPSK	39700	25RB#25	23.51	PASS
Band41	10MHz	16QAM	39700	25RB#25	22.53	PASS
Band41	10MHz	QPSK	39700	50RB#0	23.48	PASS
Band41	10MHz	16QAM	39700	50RB#0	22.48	PASS
Band41	10MHz	QPSK	40620	1RB#0	24.65	PASS
Band41	10MHz	16QAM	40620	1RB#0	23.86	PASS
Band41	10MHz	QPSK	40620	1RB#24	24.88	PASS
Band41	10MHz	16QAM	40620	1RB#24	24.03	PASS
Band41	10MHz	QPSK	40620	1RB#49	24.58	PASS
Band41	10MHz	16QAM	40620	1RB#49	23.75	PASS
Band41	10MHz	QPSK	40620	25RB#0	23.70	PASS
Band41	10MHz	16QAM	40620	25RB#0	22.78	PASS
Band41	10MHz	QPSK	40620	25RB#12	23.71	PASS
Band41	10MHz	16QAM	40620	25RB#12	22.79	PASS
Band41	10MHz	QPSK	40620	25RB#25	23.65	PASS
Band41	10MHz	16QAM	40620	25RB#25	22.68	PASS
Band41	10MHz	QPSK	40620	50RB#0	23.69	PASS
Band41	10MHz	16QAM	40620	50RB#0	22.70	PASS
Band41	10MHz	QPSK	41540	1RB#0	24.37	PASS
Band41	10MHz	16QAM	41540	1RB#0	23.58	PASS
Band41	10MHz	QPSK	41540	1RB#24	24.51	PASS
Band41	10MHz	16QAM	41540	1RB#24	23.71	PASS
Band41	10MHz	QPSK	41540	1RB#49	24.15	PASS
Band41	10MHz	16QAM	41540	1RB#49	23.33	PASS
Band41	10MHz	QPSK	41540	25RB#0	23.40	PASS
Band41	10MHz	16QAM	41540	25RB#0	22.48	PASS
Band41	10MHz	QPSK	41540	25RB#12	23.36	PASS
Band41	10MHz	16QAM	41540	25RB#12	22.48	PASS
Band41	10MHz	QPSK	41540	25RB#25	23.23	PASS
Band41	10MHz	16QAM	41540	25RB#25	22.32	PASS



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Band41	10MHz	QPSK	41540	50RB#0	23.34	PASS
Band41	10MHz	16QAM	41540	50RB#0	22.35	PASS
Band41	15MHz	QPSK	39725	1RB#0	24.33	PASS
Band41	15MHz	16QAM	39725	1RB#0	23.46	PASS
Band41	15MHz	QPSK	39725	1RB#38	24.54	PASS
Band41	15MHz	16QAM	39725	1RB#38	23.68	PASS
Band41	15MHz	QPSK	39725	1RB#74	24.48	PASS
Band41	15MHz	16QAM	39725	1RB#74	23.65	PASS
Band41	15MHz	QPSK	39725	38RB#0	23.54	PASS
Band41	15MHz	16QAM	39725	38RB#0	23.53	PASS
Band41	15MHz	QPSK	39725	38RB#18	23.53	PASS
Band41	15MHz	16QAM	39725	38RB#18	23.53	PASS
Band41	15MHz	QPSK	39725	38RB#37	23.53	PASS
Band41	15MHz	16QAM	39725	38RB#37	23.54	PASS
Band41	15MHz	QPSK	39725	75RB#0	23.53	PASS
Band41	15MHz	16QAM	39725	75RB#0	22.55	PASS
Band41	15MHz	QPSK	40620	1RB#0	24.59	PASS
Band41	15MHz	16QAM	40620	1RB#0	23.78	PASS
Band41	15MHz	QPSK	40620	1RB#38	24.66	PASS
Band41	15MHz	16QAM	40620	1RB#38	23.83	PASS
Band41	15MHz	QPSK	40620	1RB#74	24.49	PASS
Band41	15MHz	16QAM	40620	1RB#74	23.64	PASS
Band41	15MHz	QPSK	40620	38RB#0	23.72	PASS
Band41	15MHz	16QAM	40620	38RB#0	23.72	PASS
Band41	15MHz	QPSK	40620	38RB#18	23.70	PASS
Band41	15MHz	16QAM	40620	38RB#18	23.68	PASS
Band41	15MHz	QPSK	40620	38RB#37	23.69	PASS
Band41	15MHz	16QAM	40620	38RB#37	23.70	PASS
Band41	15MHz	QPSK	40620	75RB#0	23.67	PASS
Band41	15MHz	16QAM	40620	75RB#0	22.71	PASS
Band41	15MHz	QPSK	41515	1RB#0	24.42	PASS
Band41	15MHz	16QAM	41515	1RB#0	23.58	PASS
Band41	15MHz	QPSK	41515	1RB#38	24.33	PASS
Band41	15MHz	16QAM	41515	1RB#38	23.55	PASS
Band41	15MHz	QPSK	41515	1RB#74	24.07	PASS
Band41	15MHz	16QAM	41515	1RB#74	23.25	PASS
Band41	15MHz	QPSK	41515	38RB#0	23.47	PASS
Band41	15MHz	16QAM	41515	38RB#0	23.45	PASS
Band41	15MHz	QPSK	41515	38RB#18	23.46	PASS
Band41	15MHz	16QAM	41515	38RB#18	23.40	PASS



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Band41	15MHz	QPSK	41515	38RB#37	23.33	PASS
Band41	15MHz	16QAM	41515	38RB#37	23.38	PASS
Band41	15MHz	QPSK	41515	75RB#0	23.33	PASS
Band41	15MHz	16QAM	41515	75RB#0	22.38	PASS
Band41	20MHz	QPSK	39750	1RB#0	24.17	PASS
Band41	20MHz	16QAM	39750	1RB#0	23.14	PASS
Band41	20MHz	QPSK	39750	1RB#49	24.69	PASS
Band41	20MHz	16QAM	39750	1RB#49	23.66	PASS
Band41	20MHz	QPSK	39750	1RB#99	24.31	PASS
Band41	20MHz	16QAM	39750	1RB#99	23.33	PASS
Band41	20MHz	QPSK	39750	50RB#0	23.42	PASS
Band41	20MHz	16QAM	39750	50RB#0	22.42	PASS
Band41	20MHz	QPSK	39750	50RB#25	23.43	PASS
Band41	20MHz	16QAM	39750	50RB#25	22.43	PASS
Band41	20MHz	QPSK	39750	50RB#50	23.52	PASS
Band41	20MHz	16QAM	39750	50RB#50	22.53	PASS
Band41	20MHz	QPSK	39750	100RB#0	23.45	PASS
Band41	20MHz	16QAM	39750	100RB#0	22.49	PASS
Band41	20MHz	QPSK	40620	1RB#0	24.43	PASS
Band41	20MHz	16QAM	40620	1RB#0	23.43	PASS
Band41	20MHz	QPSK	40620	1RB#49	24.81	PASS
Band41	20MHz	16QAM	40620	1RB#49	23.79	PASS
Band41	20MHz	QPSK	40620	1RB#99	24.34	PASS
Band41	20MHz	16QAM	40620	1RB#99	23.34	PASS
Band41	20MHz	QPSK	40620	50RB#0	23.62	PASS
Band41	20MHz	16QAM	40620	50RB#0	22.65	PASS
Band41	20MHz	QPSK	40620	50RB#25	23.62	PASS
Band41	20MHz	16QAM	40620	50RB#25	22.64	PASS
Band41	20MHz	QPSK	40620	50RB#50	23.55	PASS
Band41	20MHz	16QAM	40620	50RB#50	22.59	PASS
Band41	20MHz	QPSK	40620	100RB#0	23.63	PASS
Band41	20MHz	16QAM	40620	100RB#0	22.61	PASS
Band41	20MHz	QPSK	41490	1RB#0	24.30	PASS
Band41	20MHz	16QAM	41490	1RB#0	23.35	PASS
Band41	20MHz	QPSK	41490	1RB#49	24.56	PASS
Band41	20MHz	16QAM	41490	1RB#49	23.54	PASS
Band41	20MHz	QPSK	41490	1RB#99	23.90	PASS
Band41	20MHz	16QAM	41490	1RB#99	22.92	PASS
Band41	20MHz	QPSK	41490	50RB#0	23.45	PASS
Band41	20MHz	16QAM	41490	50RB#0	22.49	PASS



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Band41	20MHz	QPSK	41490	50RB#25	23.46	PASS
Band41	20MHz	16QAM	41490	50RB#25	22.47	PASS
Band41	20MHz	QPSK	41490	50RB#50	23.25	PASS
Band41	20MHz	16QAM	41490	50RB#50	22.28	PASS
Band41	20MHz	QPSK	41490	100RB#0	23.35	PASS
Band41	20MHz	16QAM	41490	100RB#0	22.40	PASS
Band41	5MHz	QPSK	41565	12RB#6	23.17	PASS
Band41	5MHz	16QAM	41565	12RB#6	22.12	PASS
Band41	5MHz	QPSK	41565	12RB#13	23.10	PASS
Band41	5MHz	16QAM	41565	12RB#13	22.02	PASS
Band41	5MHz	QPSK	41565	25RB#0	23.14	PASS
Band41	5MHz	16QAM	41565	25RB#0	22.16	PASS



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P.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	8.21	13	PASS
Band41	5MHz	16QAM	39675	1RB#0	8.66	13	PASS
Band41	5MHz	QPSK	39675	25RB#0	9.18	13	PASS
Band41	5MHz	16QAM	39675	25RB#0	9.93	13	PASS
Band41	5MHz	QPSK	40620	1RB#0	8.34	13	PASS
Band41	5MHz	16QAM	40620	1RB#0	9.00	13	PASS
Band41	5MHz	QPSK	40620	25RB#0	9.28	13	PASS
Band41	5MHz	16QAM	40620	25RB#0	9.66	13	PASS
Band41	5MHz	QPSK	41565	1RB#0	8.53	13	PASS
Band41	5MHz	16QAM	41565	1RB#0	9.14	13	PASS
Band41	5MHz	QPSK	41565	25RB#0	9.27	13	PASS
Band41	5MHz	16QAM	41565	25RB#0	9.71	13	PASS
Band41	10MHz	QPSK	39700	1RB#0	8.23	13	PASS
Band41	10MHz	16QAM	39700	1RB#0	9.19	13	PASS
Band41	10MHz	QPSK	39700	50RB#0	9.24	13	PASS
Band41	10MHz	16QAM	39700	50RB#0	9.88	13	PASS
Band41	10MHz	QPSK	40620	1RB#0	8.16	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	9.91	13	PASS
Band41	10MHz	QPSK	41540	1RB#0	8.36	13	PASS
Band41	10MHz	16QAM	41540	1RB#0	9.42	13	PASS
Band41	10MHz	QPSK	41540	50RB#0	9.26	13	PASS
Band41	10MHz	16QAM	41540	50RB#0	9.98	13	PASS
Band41	15MHz	QPSK	39725	1RB#0	7.96	13	PASS
Band41	15MHz	16QAM	39725	1RB#0	8.79	13	PASS
Band41	15MHz	QPSK	39725	75RB#0	9.51	13	PASS
Band41	15MHz	16QAM	39725	75RB#0	9.87	13	PASS
Band41	15MHz	QPSK	40620	1RB#0	8.50	13	PASS
Band41	15MHz	16QAM	40620	1RB#0	8.85	13	PASS
Band41	15MHz	QPSK	40620	75RB#0	9.20	13	PASS
Band41	15MHz	16QAM	40620	75RB#0	9.81	13	PASS
Band41	15MHz	QPSK	41515	1RB#0	8.80	13	PASS
Band41	15MHz	16QAM	41515	1RB#0	9.22	13	PASS
Band41	15MHz	QPSK	41515	75RB#0	9.46	13	PASS
Band41	15MHz	16QAM	41515	75RB#0	9.92	13	PASS



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Band41	20MHz	QPSK	39750	1RB#0	7.93	13	PASS
Band41	20MHz	16QAM	39750	1RB#0	8.70	13	PASS
Band41	20MHz	QPSK	39750	100RB#0	9.04	13	PASS
Band41	20MHz	16QAM	39750	100RB#0	9.72	13	PASS
Band41	20MHz	QPSK	40620	1RB#0	8.01	13	PASS
Band41	20MHz	16QAM	40620	1RB#0	8.96	13	PASS
Band41	20MHz	QPSK	40620	100RB#0	9.26	13	PASS
Band41	20MHz	16QAM	40620	100RB#0	9.97	13	PASS
Band41	20MHz	QPSK	41490	1RB#0	8.21	13	PASS
Band41	20MHz	16QAM	41490	1RB#0	9.23	13	PASS
Band41	20MHz	QPSK	41490	100RB#0	9.22	13	PASS
Band41	20MHz	16QAM	41490	100RB#0	10.11	13	PASS



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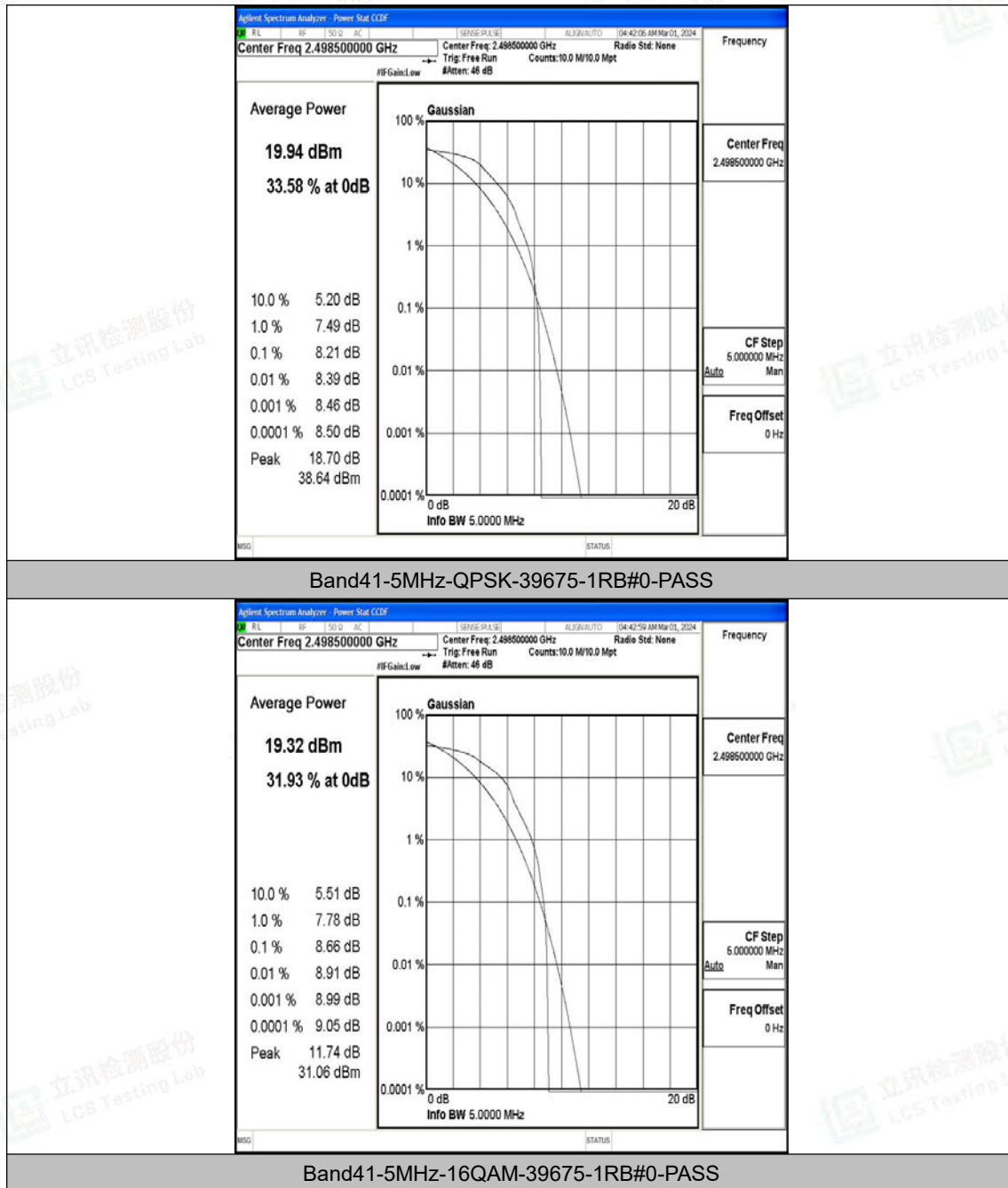
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Test Graphs

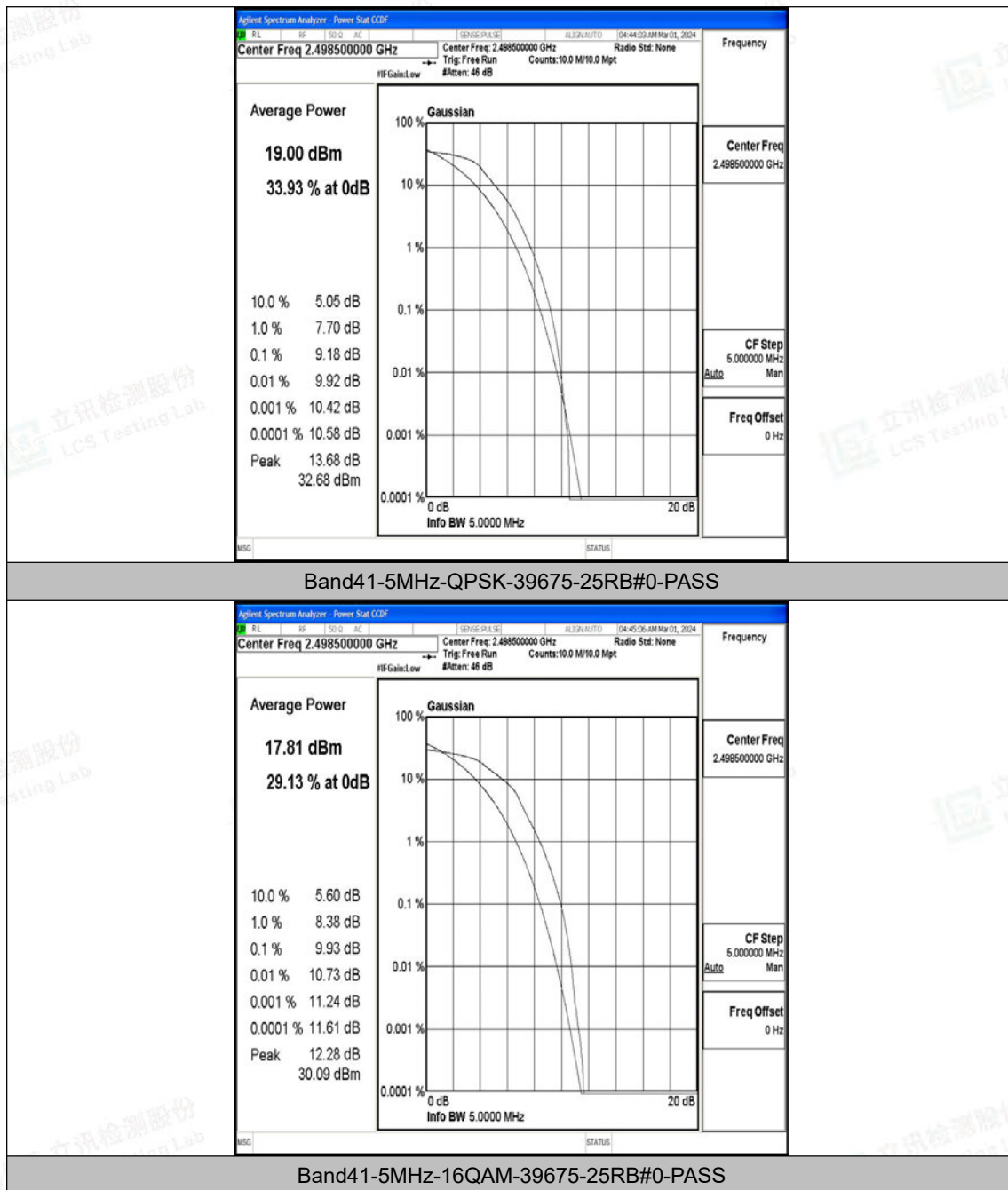


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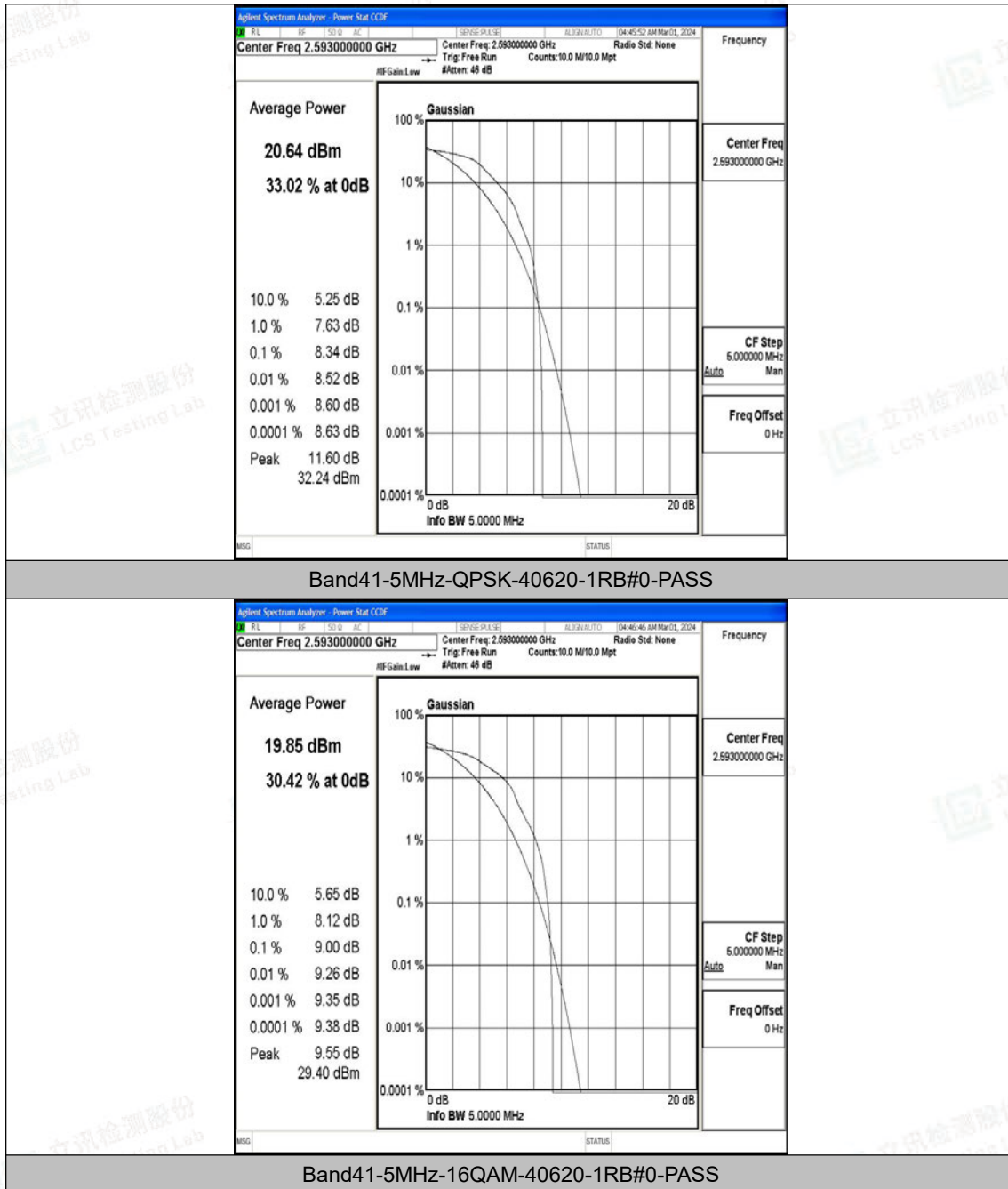


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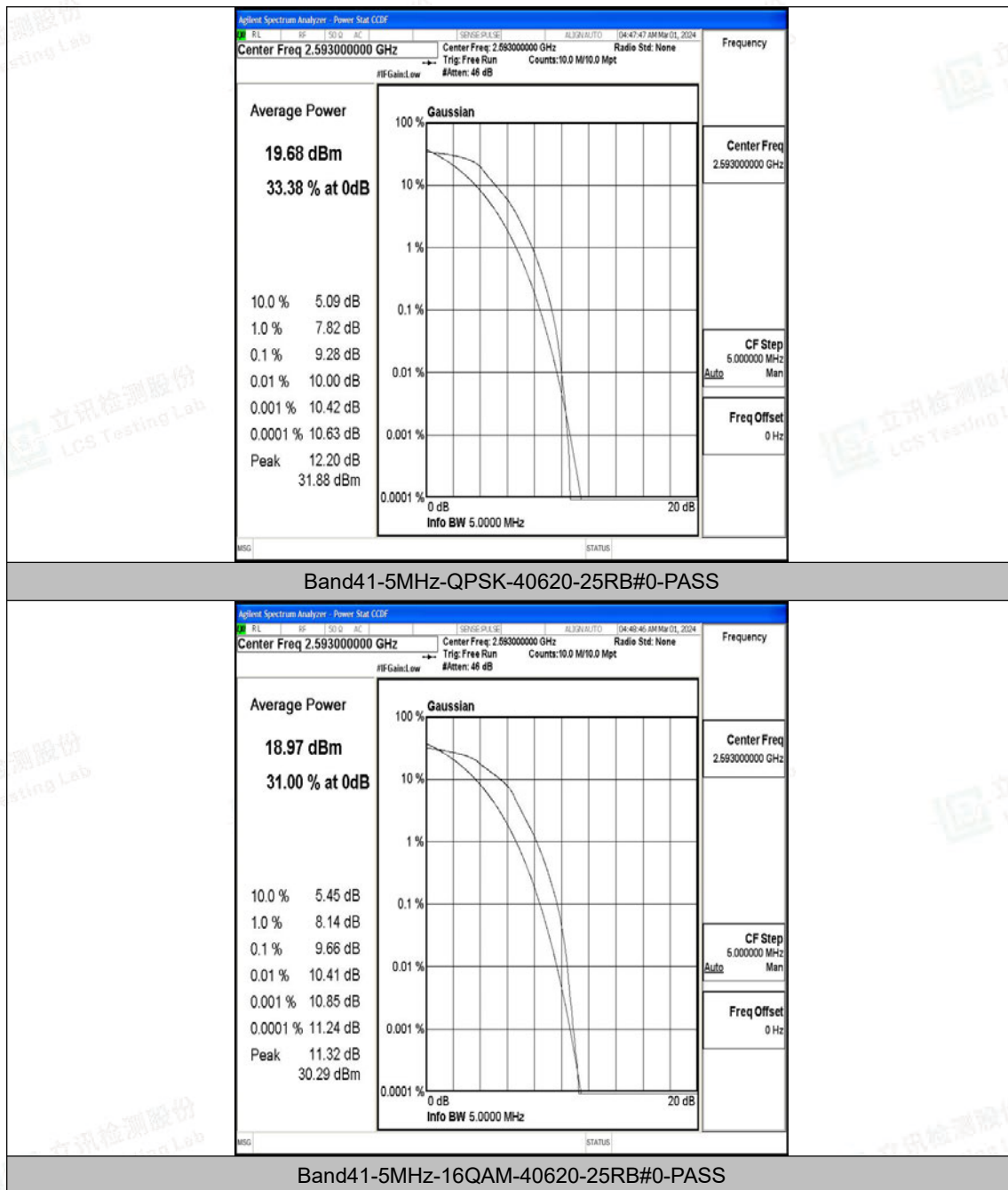


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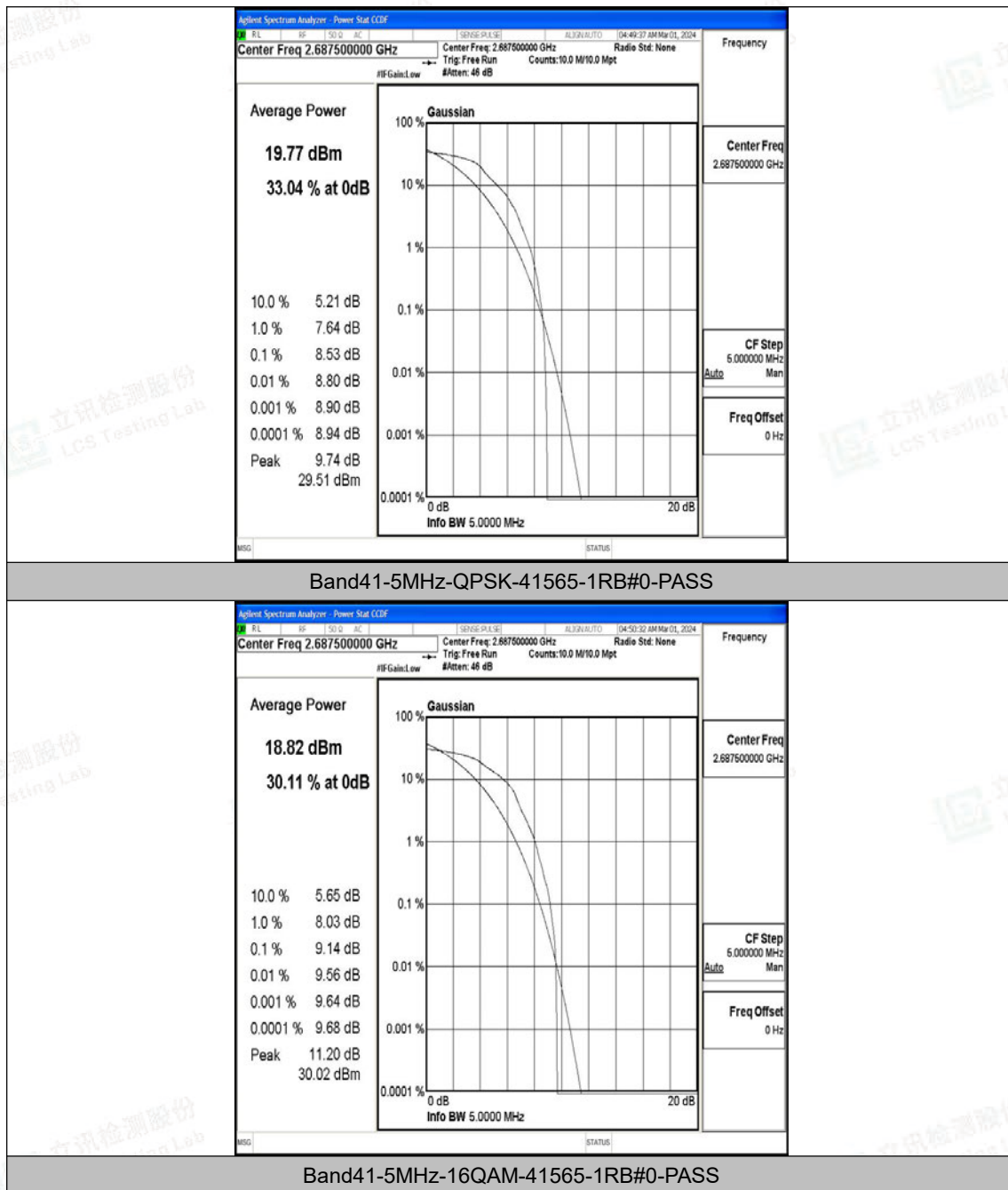


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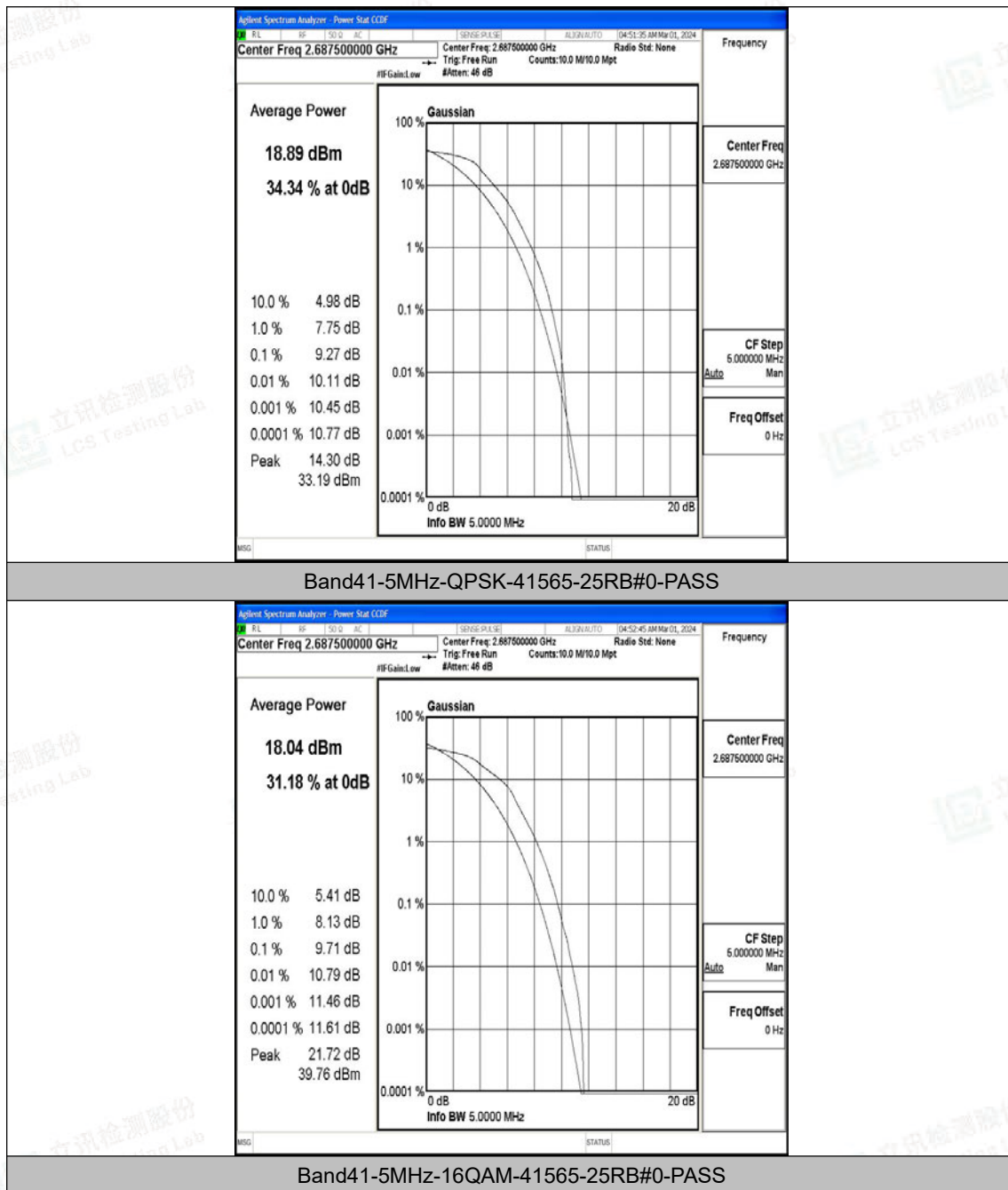


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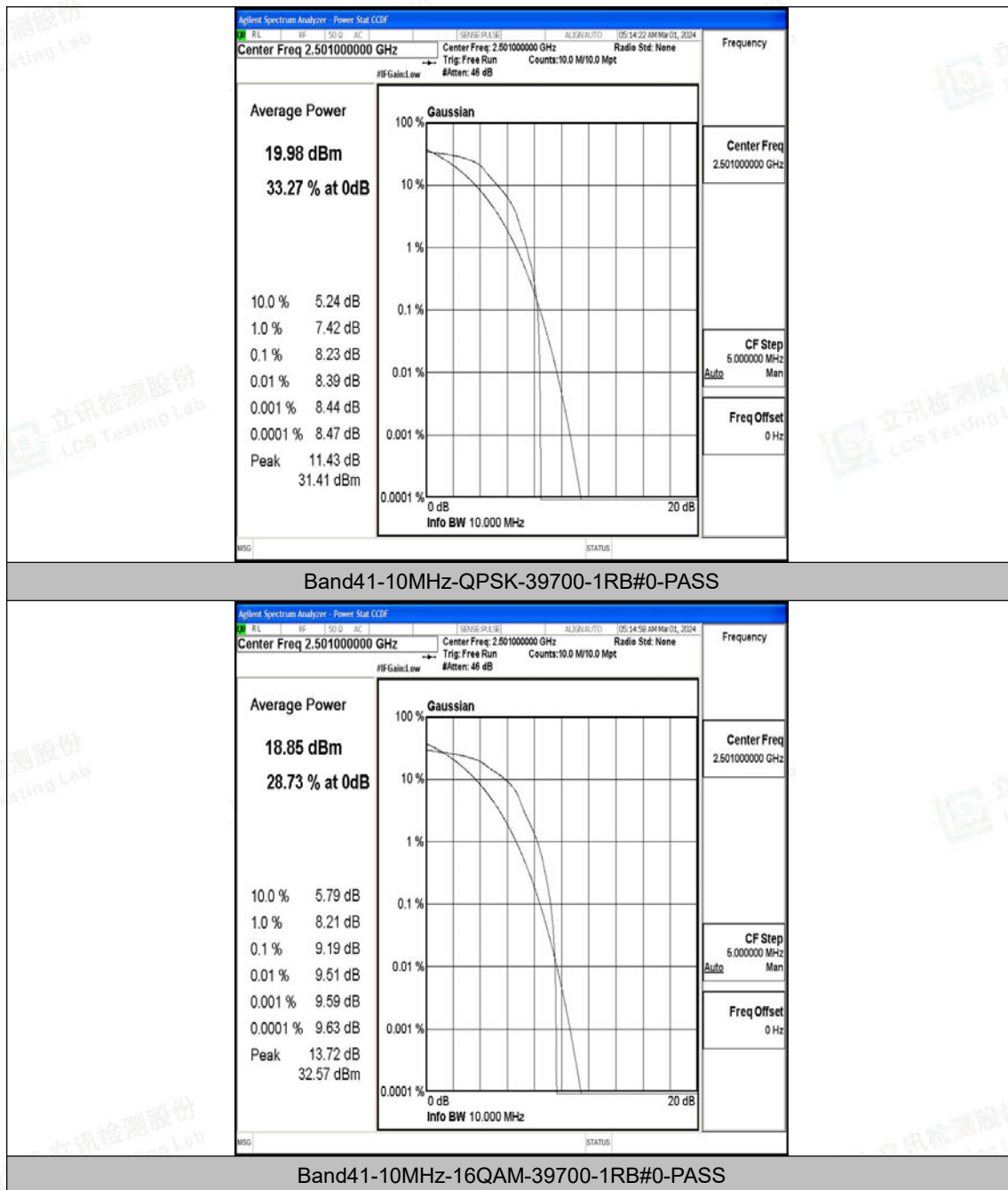


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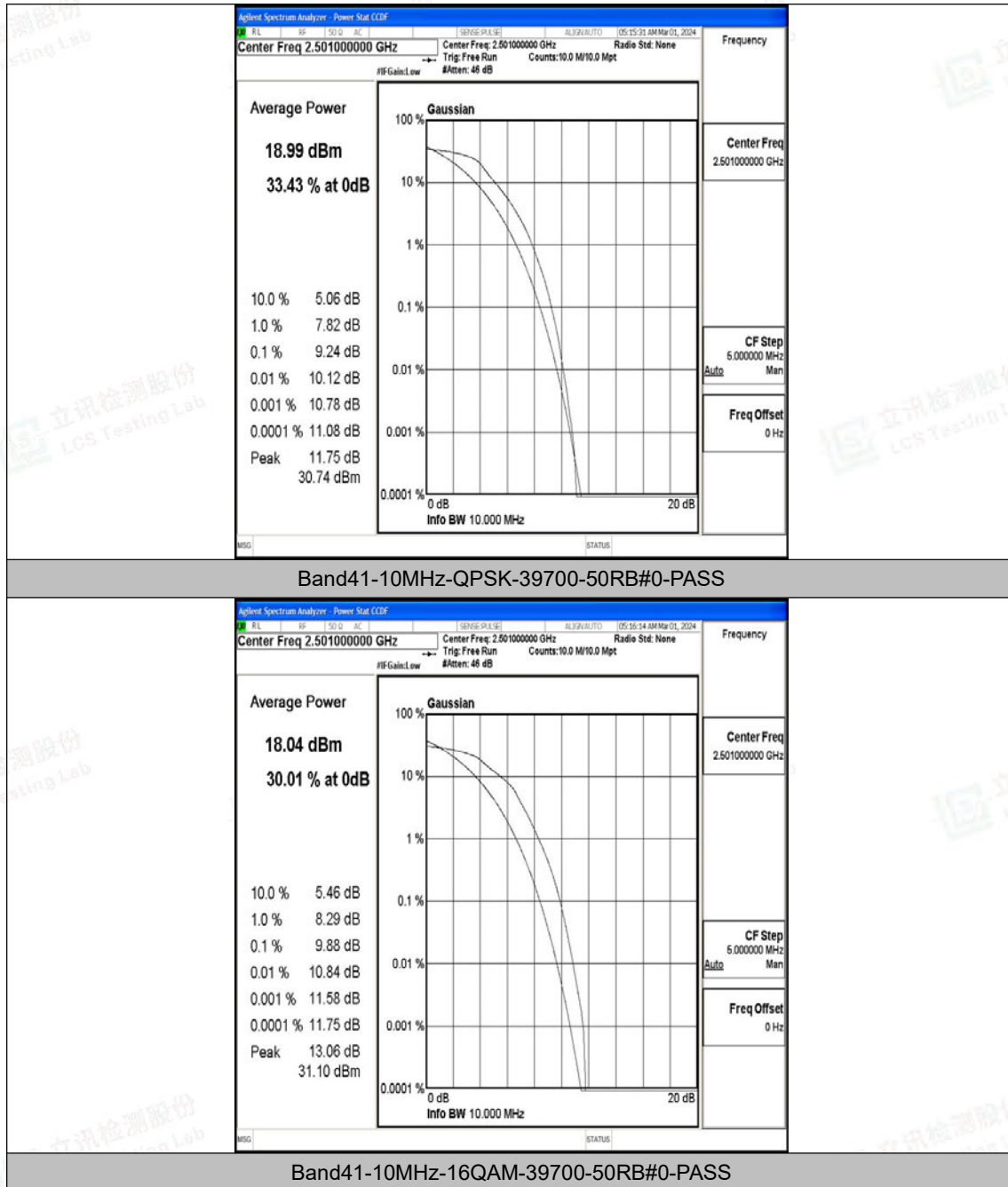


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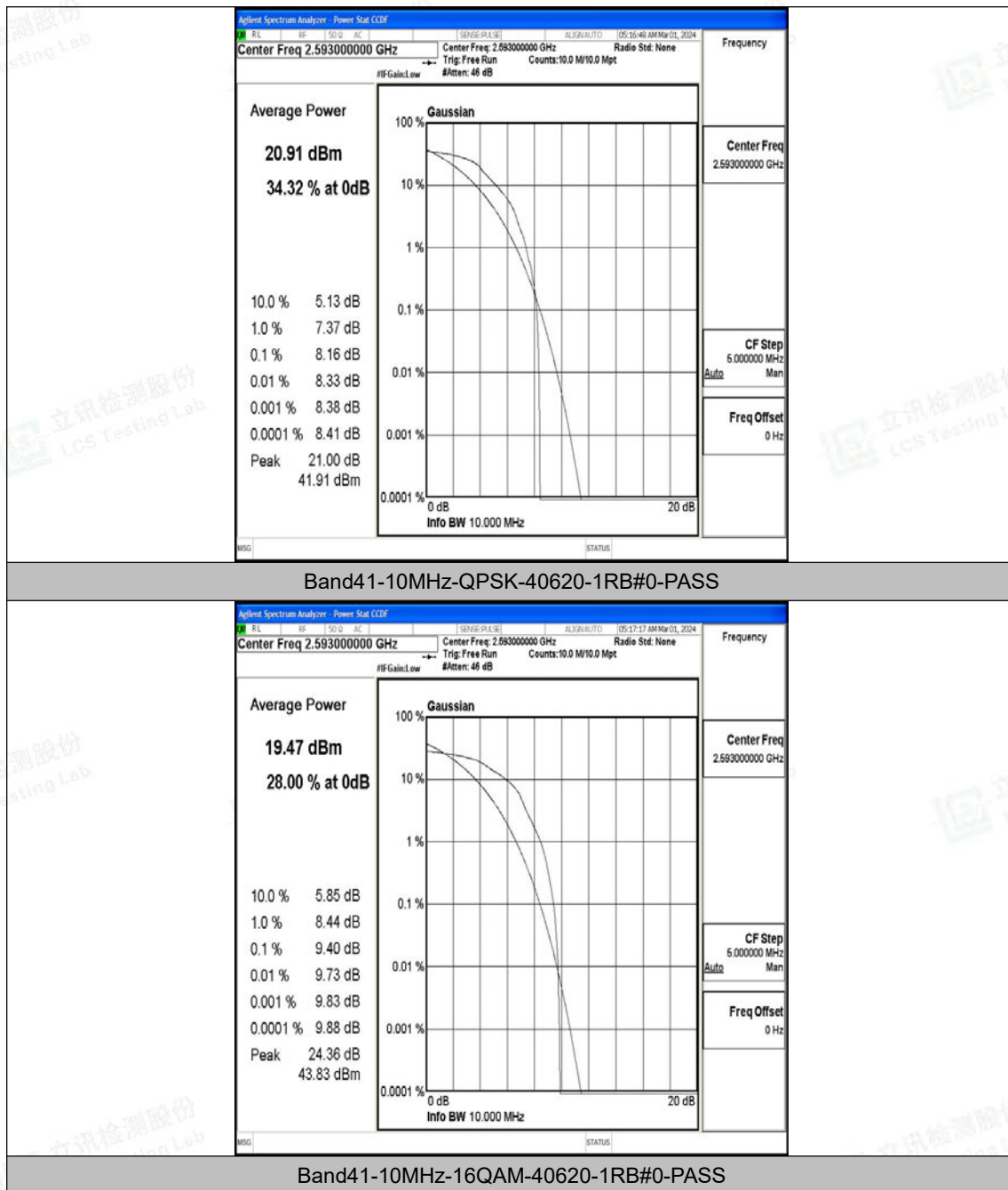


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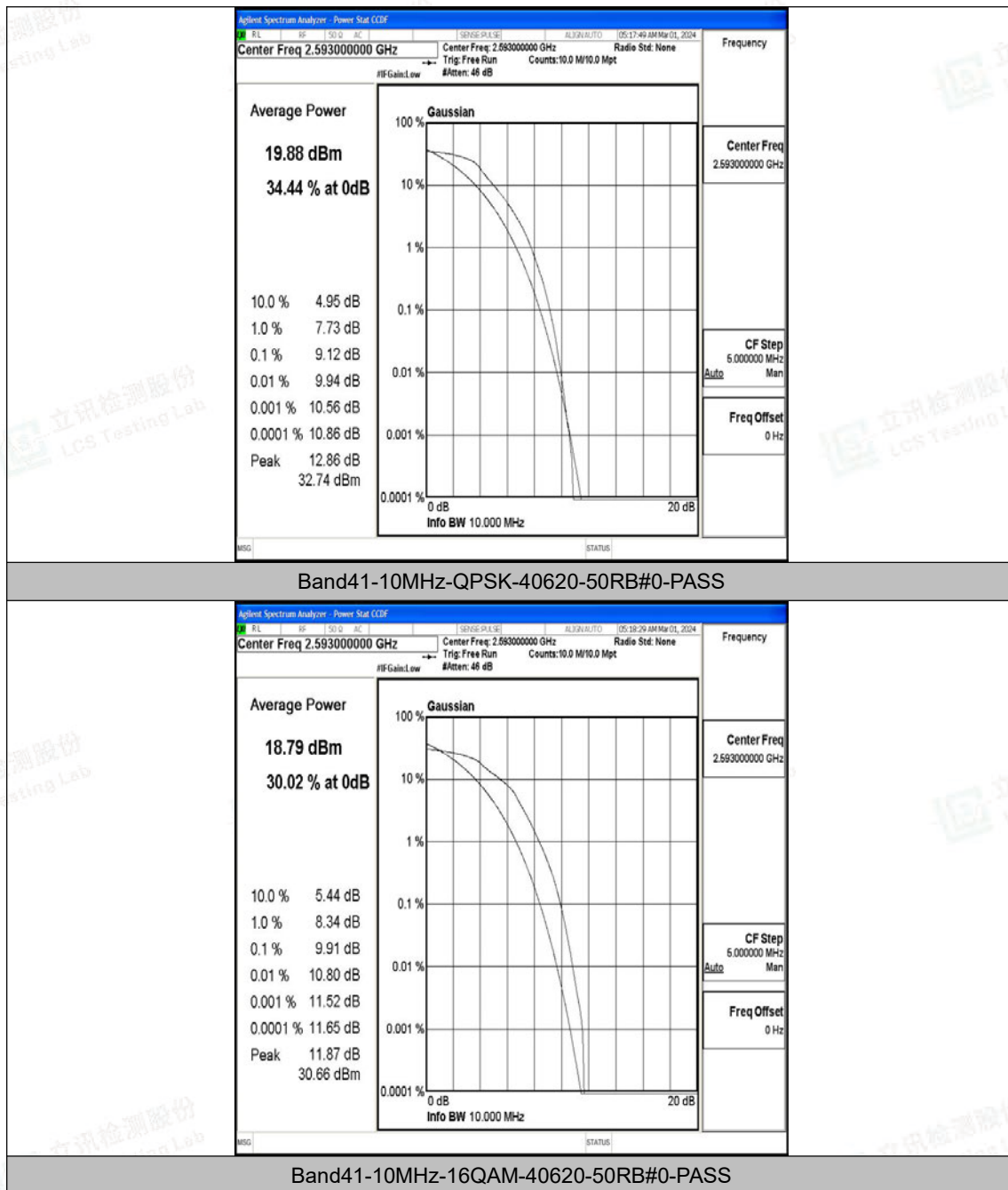


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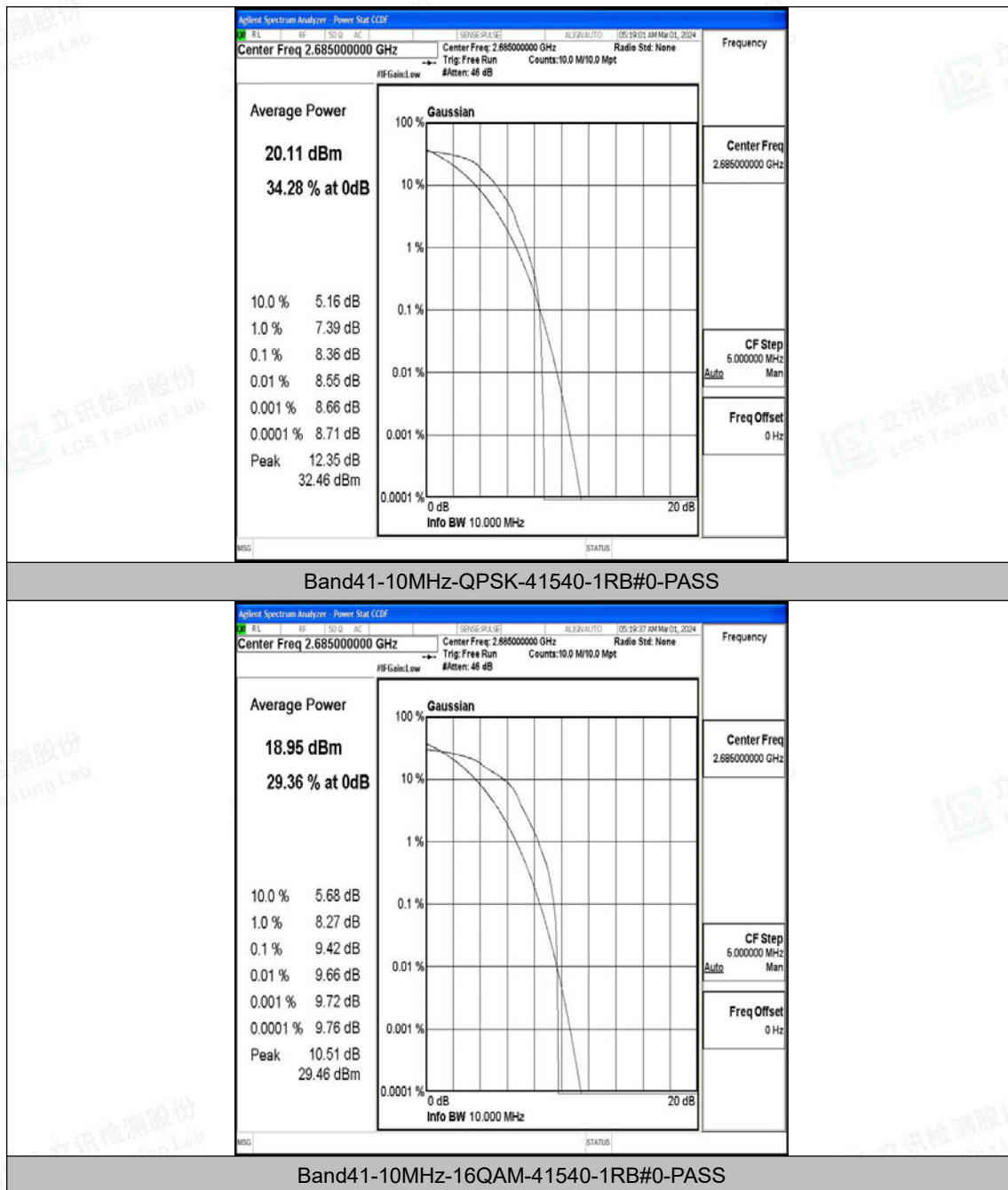


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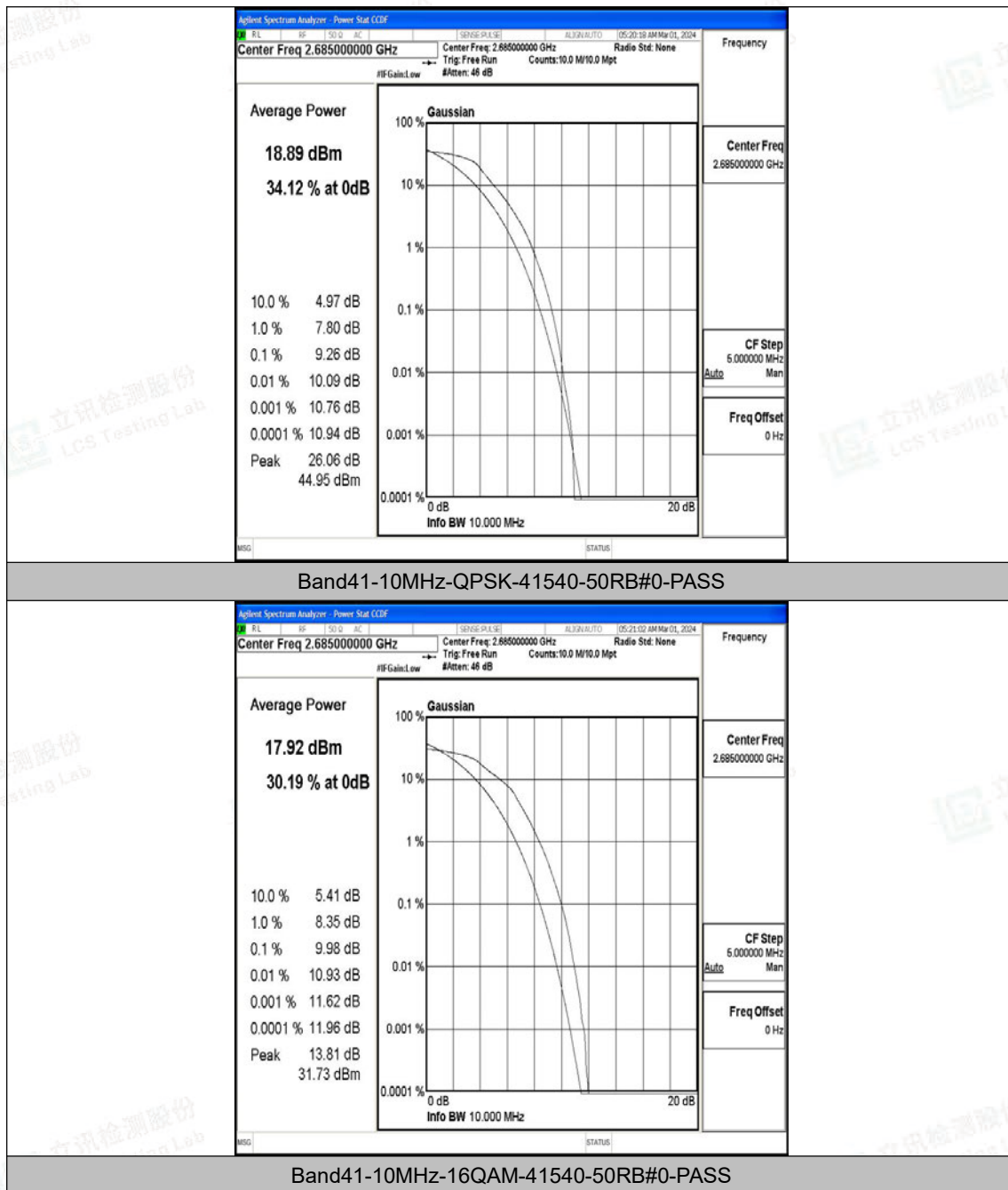


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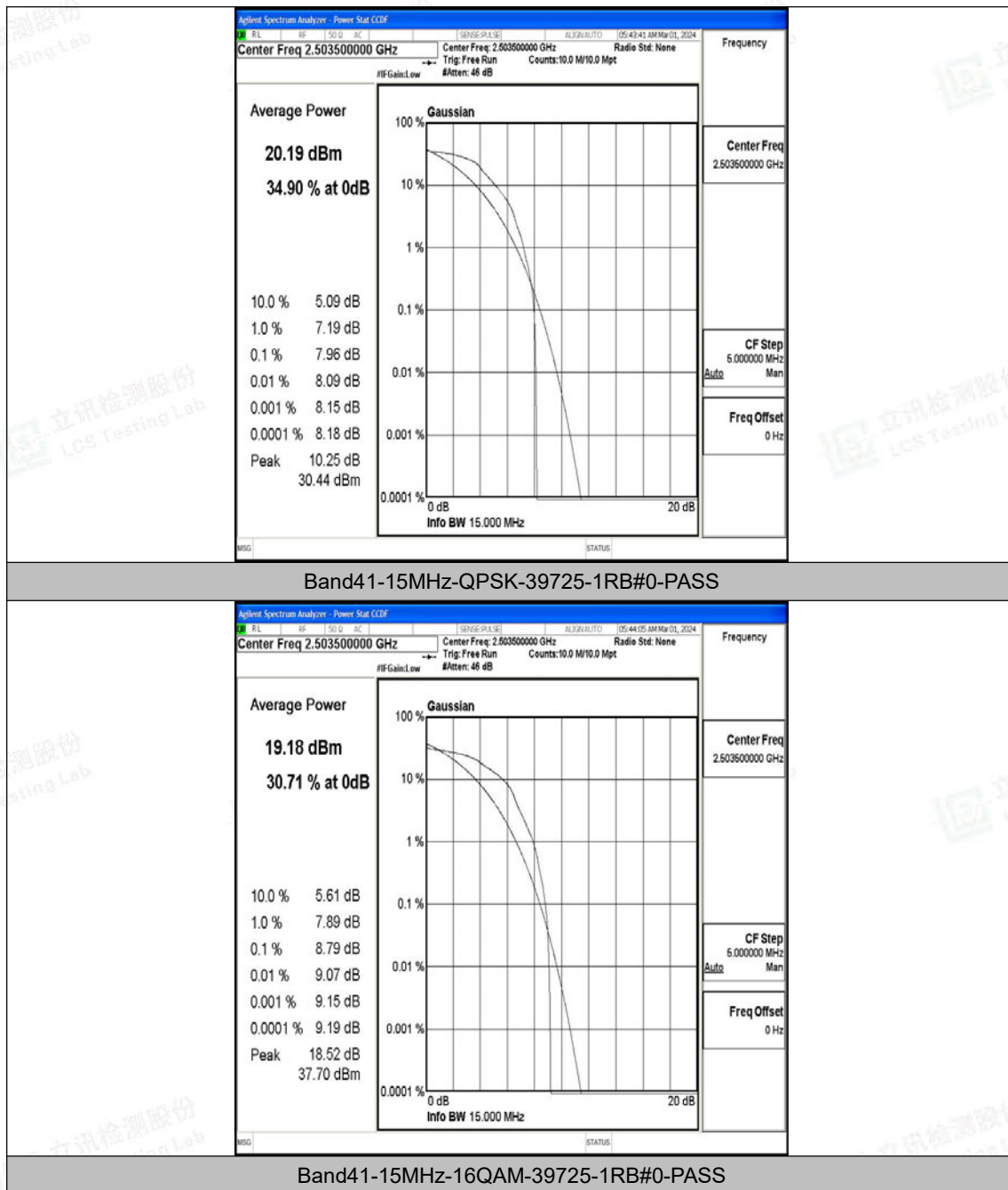


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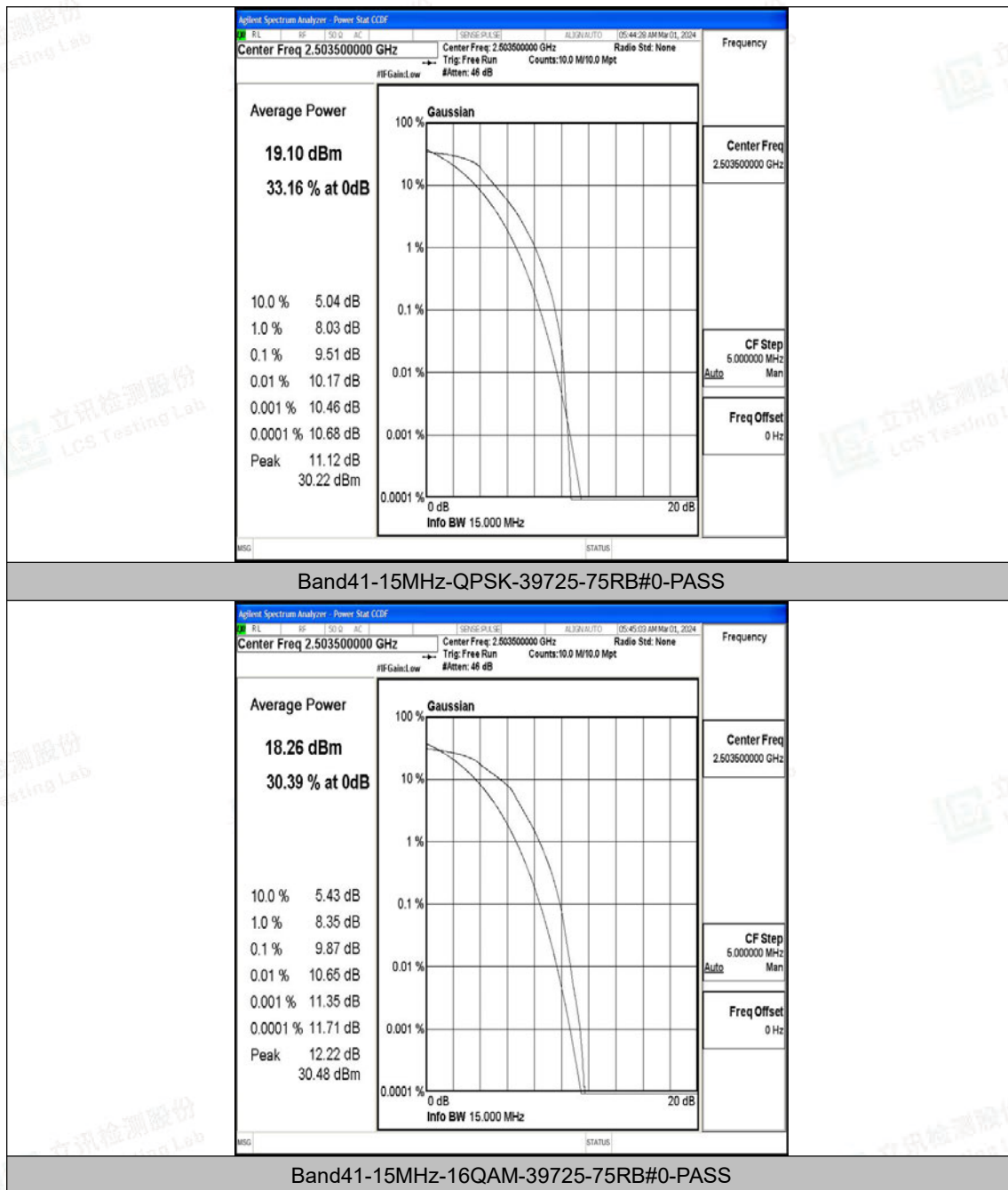


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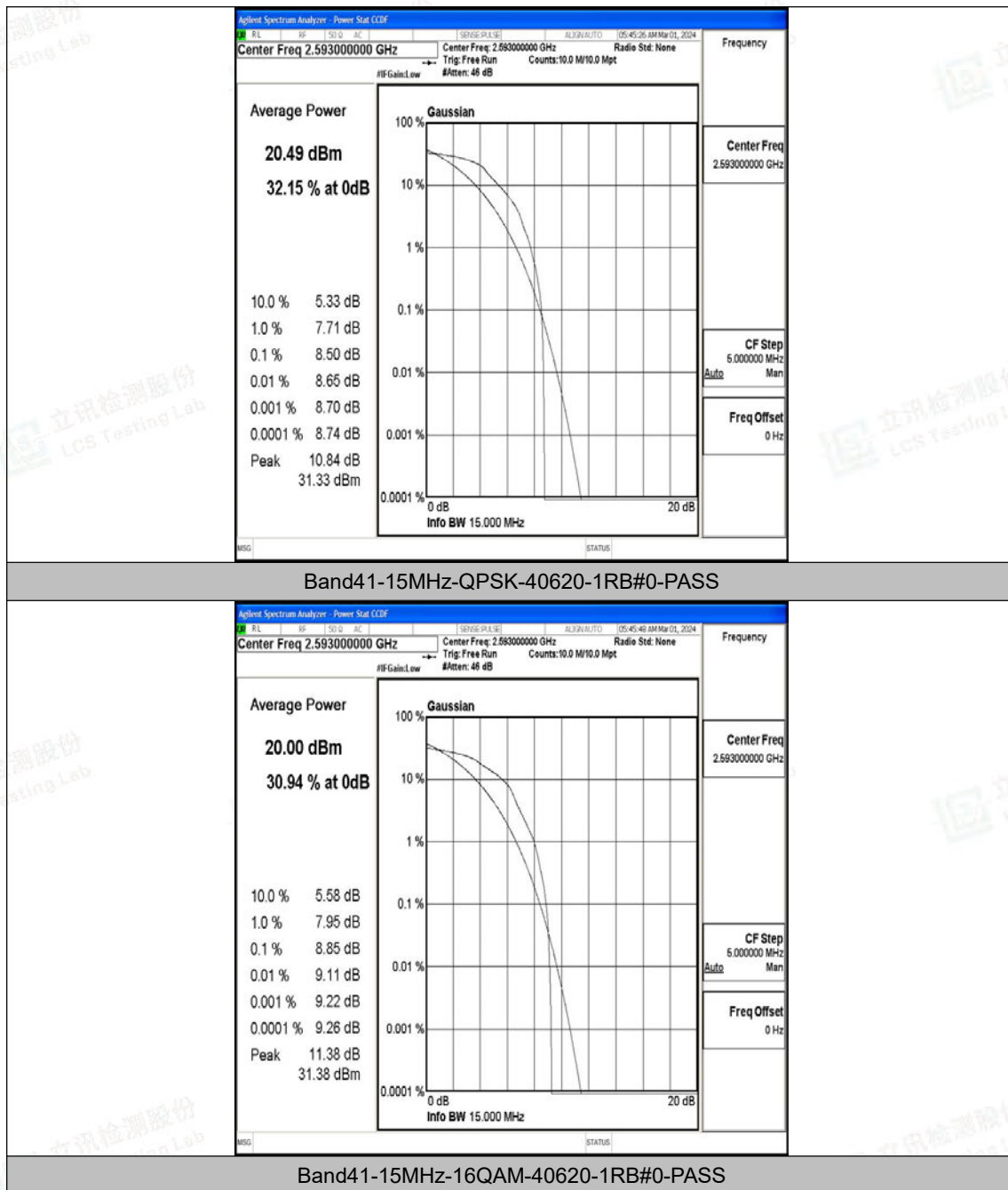


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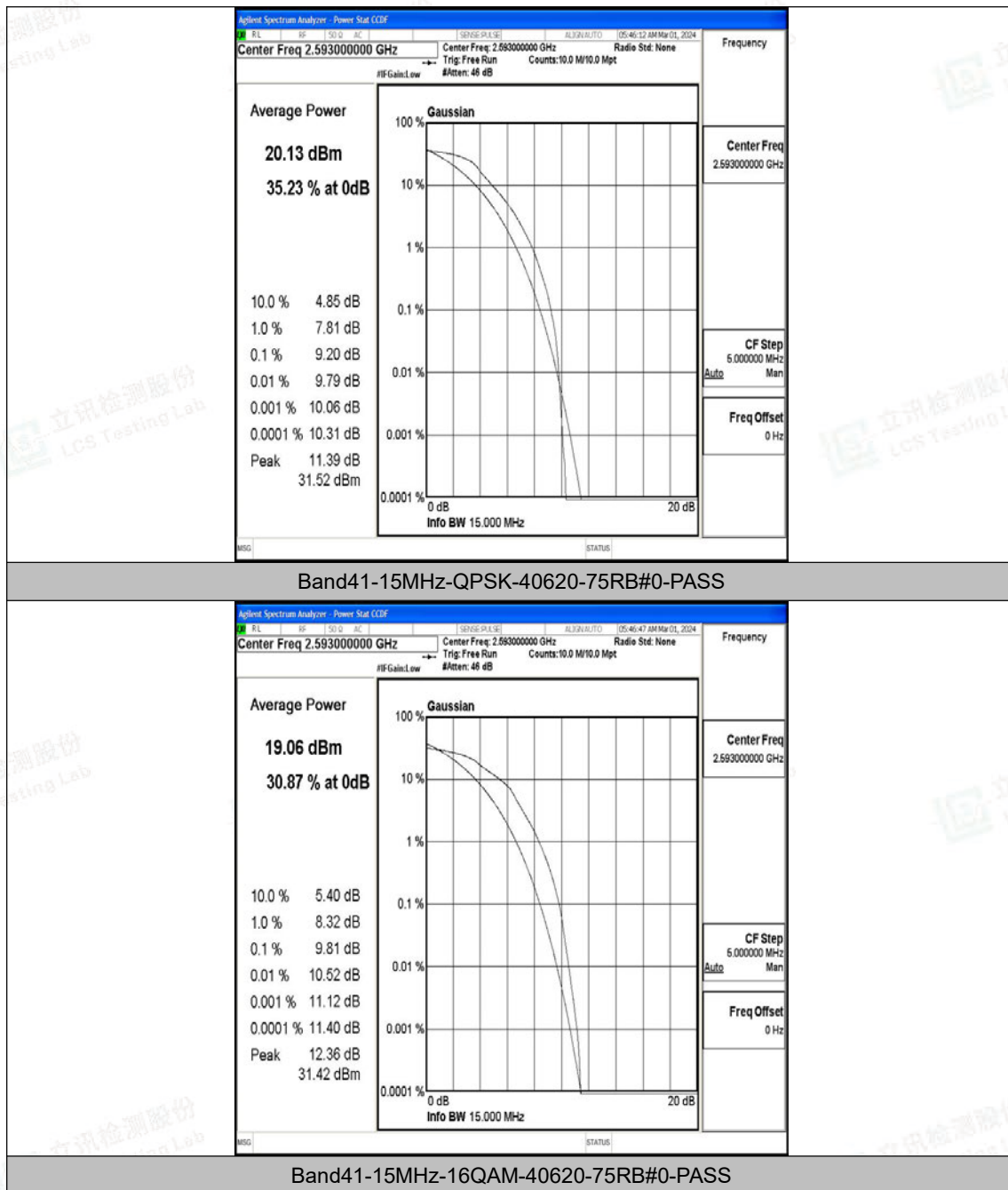


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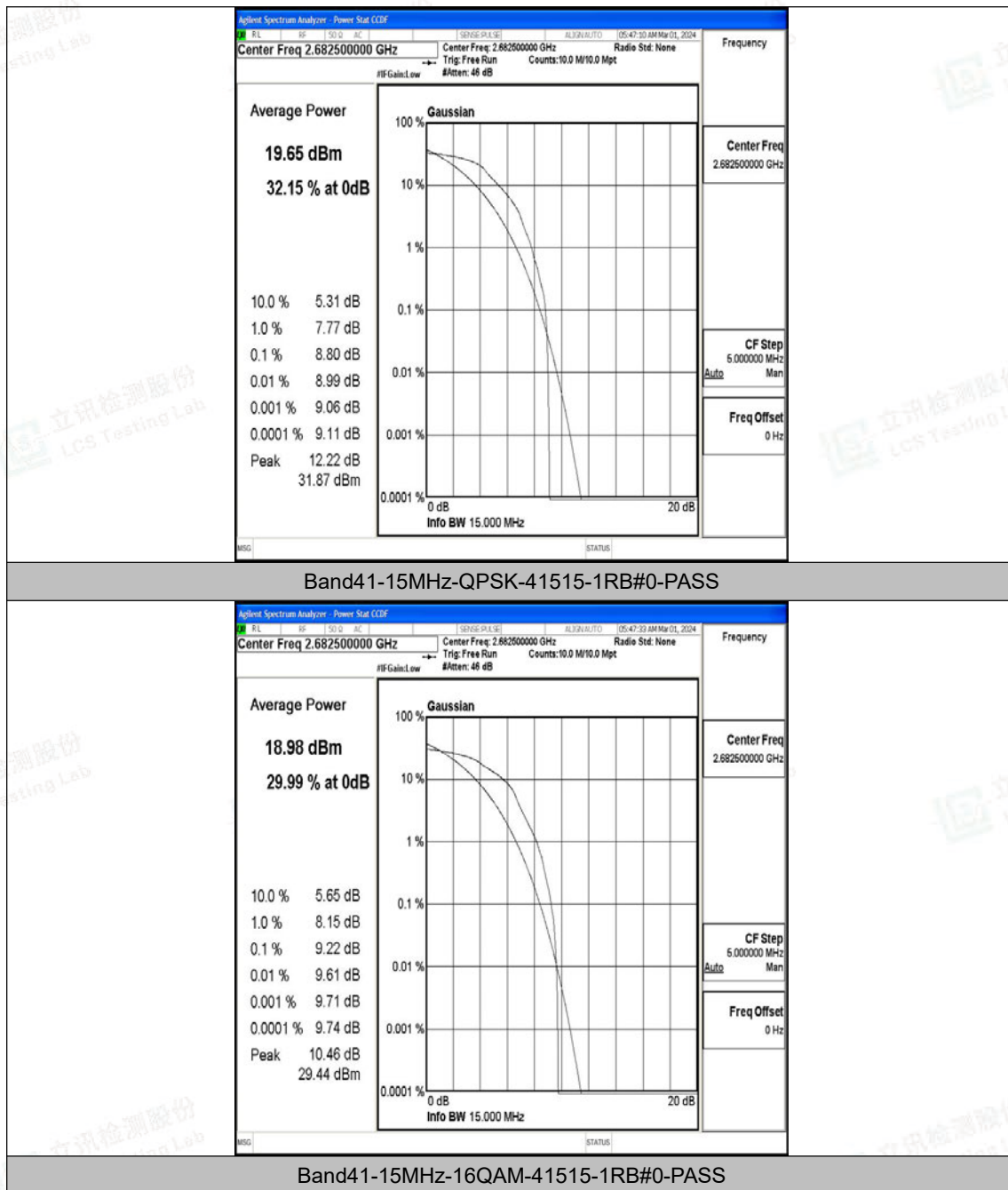


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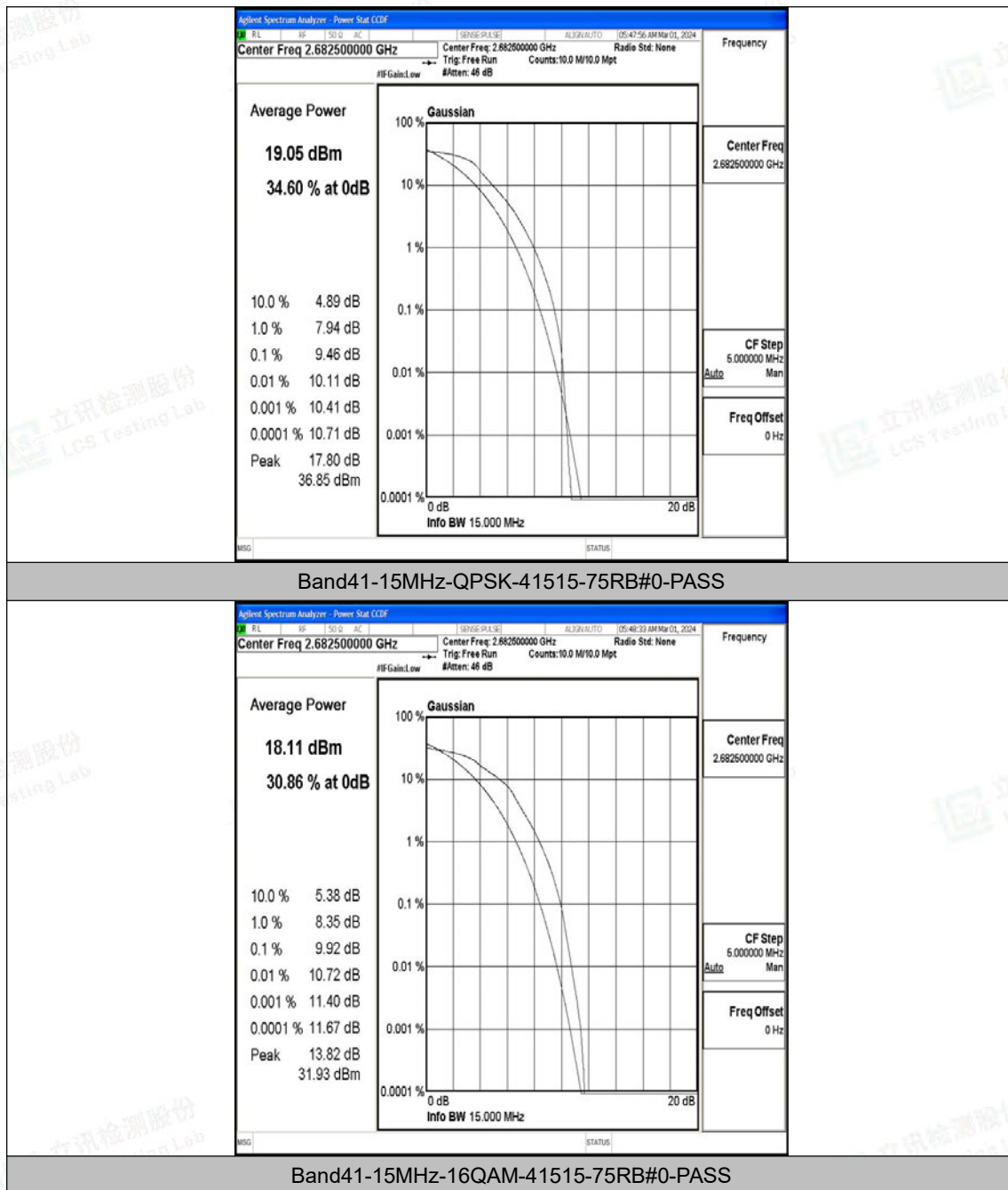


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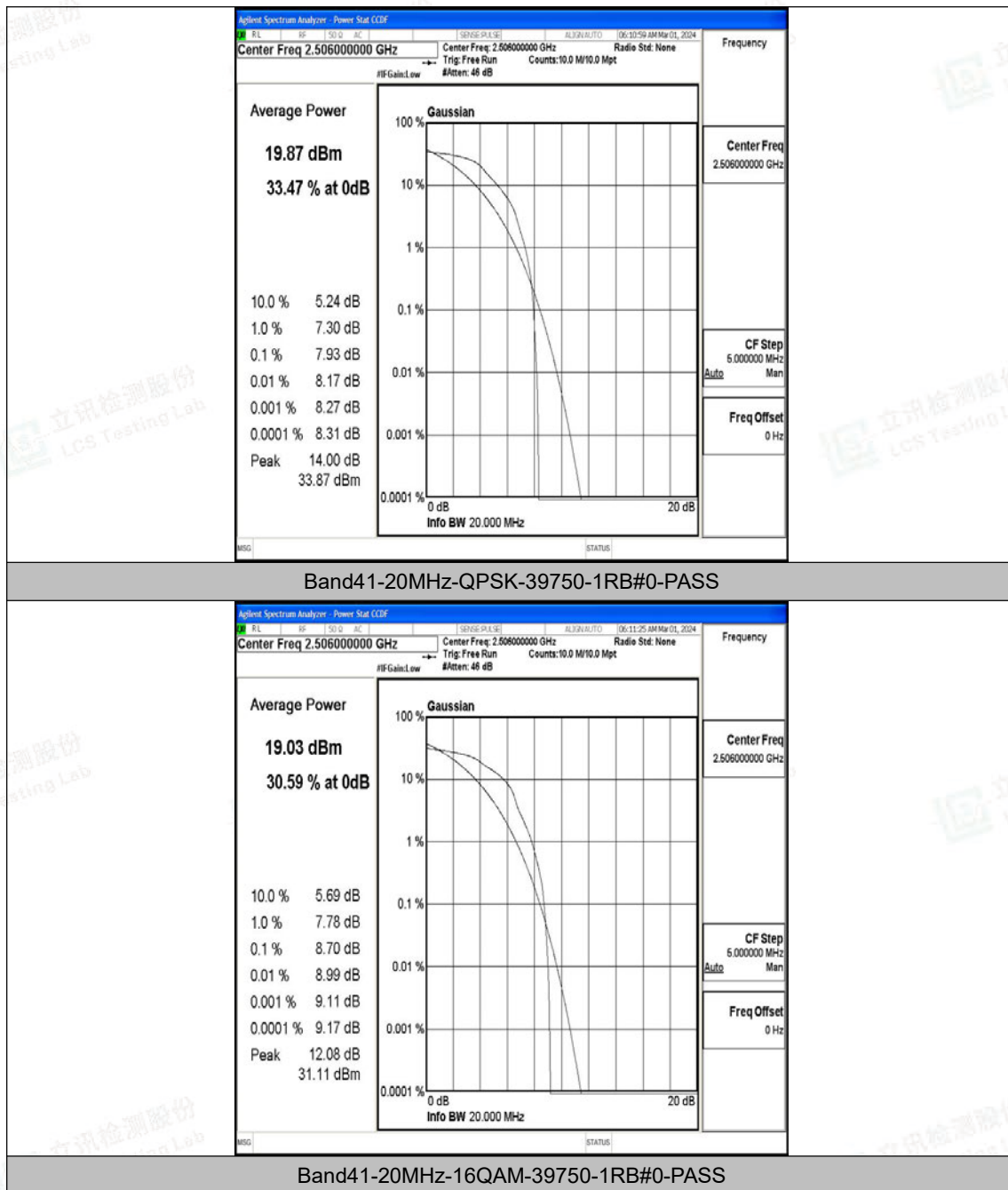


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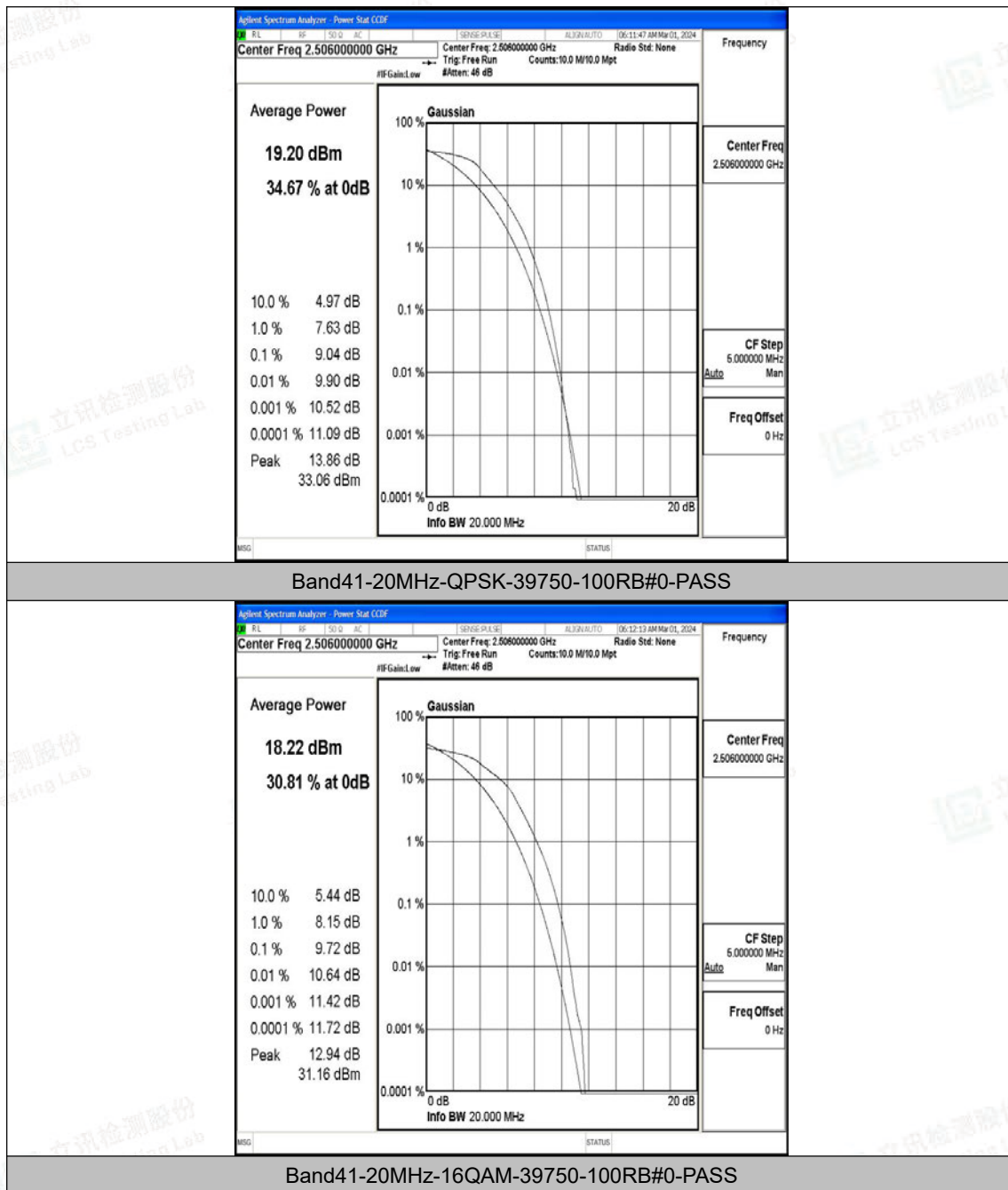


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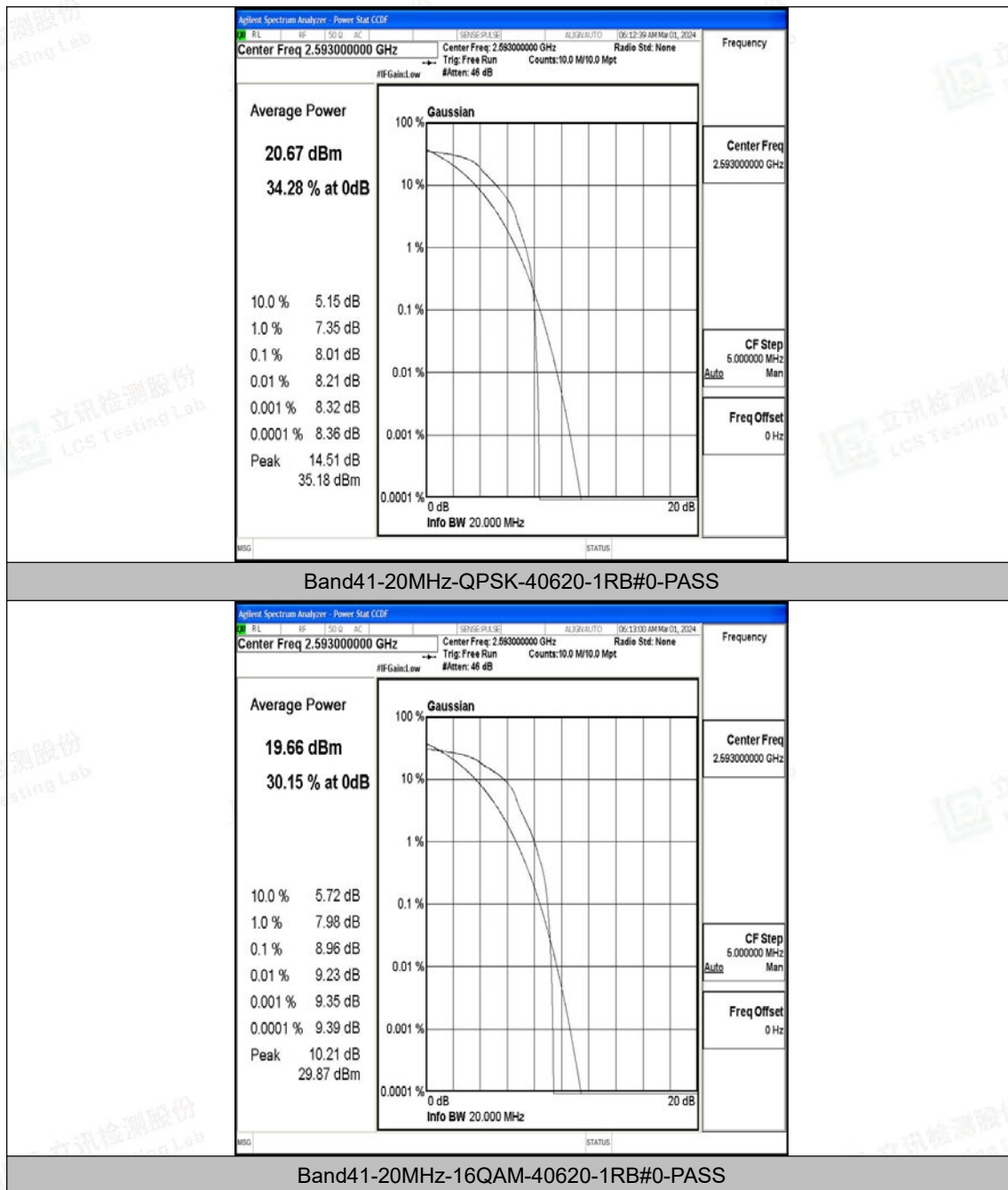


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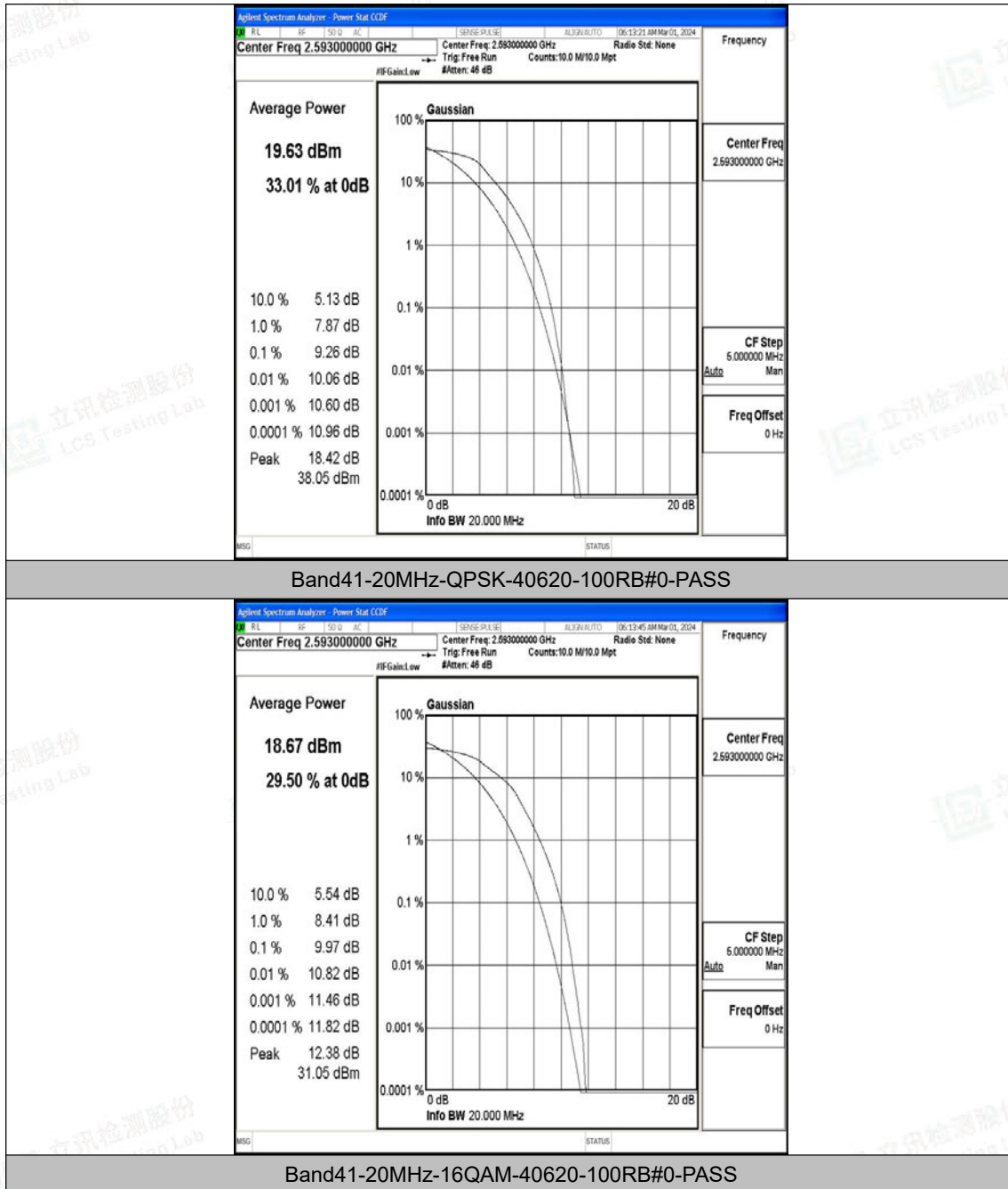


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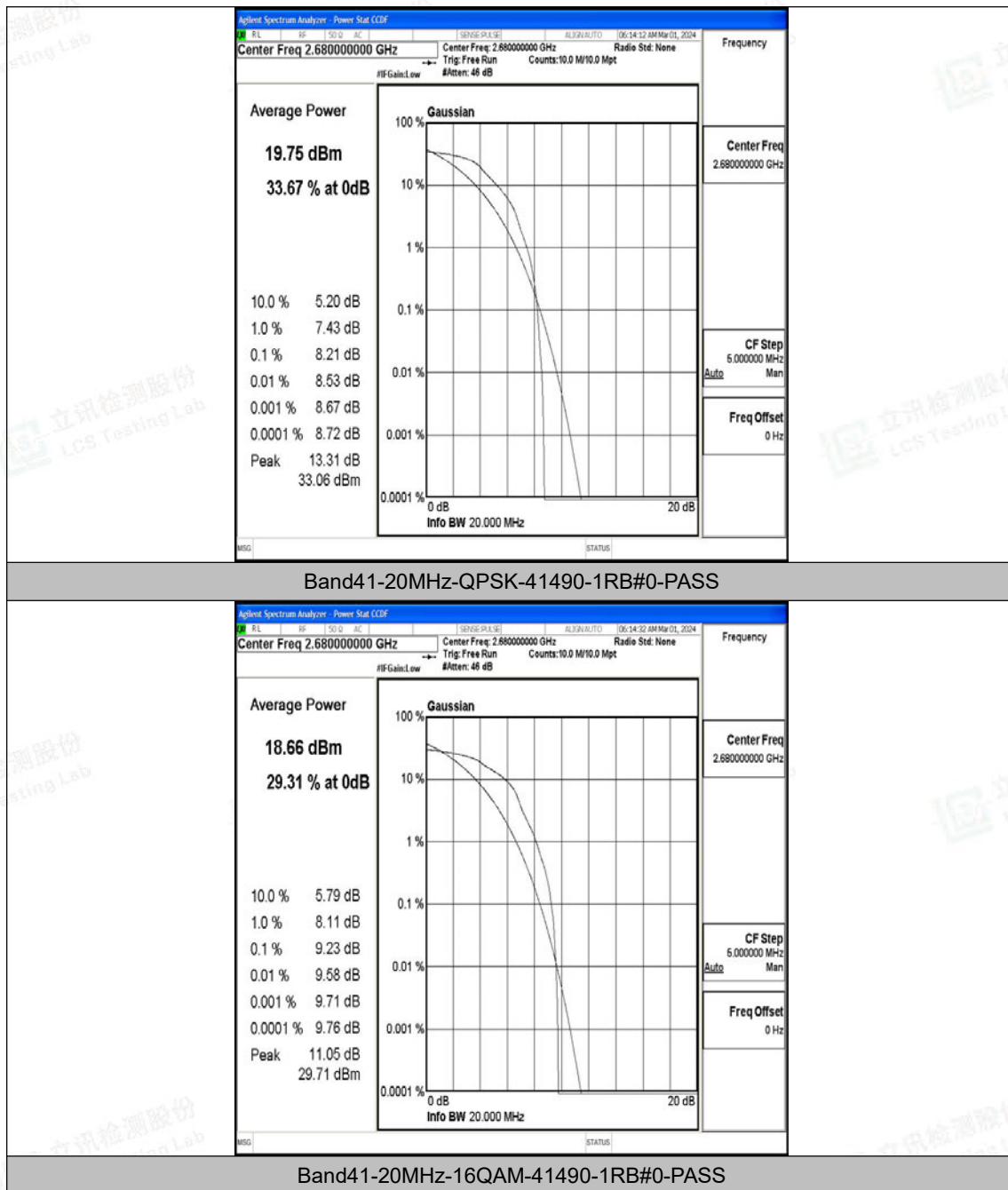


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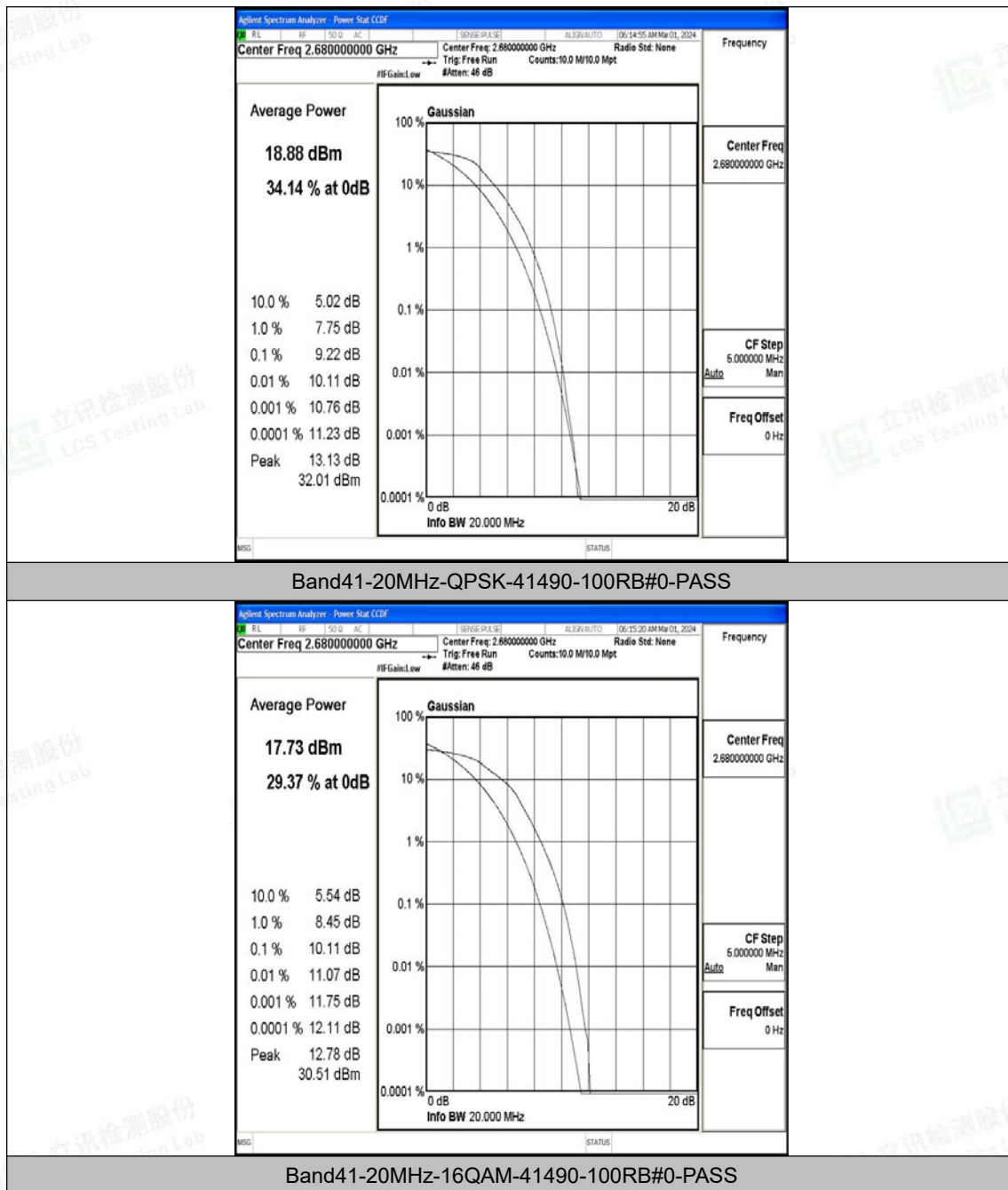


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P.3 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band41	5MHz	QPSK	39675	25RB#0	4.4877	4.937	PASS
Band41	5MHz	16QAM	39675	25RB#0	4.4974	5.154	PASS
Band41	5MHz	QPSK	40620	25RB#0	4.4971	4.885	PASS
Band41	5MHz	16QAM	40620	25RB#0	4.4809	5.213	PASS
Band41	5MHz	QPSK	41565	25RB#0	4.4963	5.119	PASS
Band41	5MHz	16QAM	41565	25RB#0	4.4887	5.021	PASS
Band41	10MHz	QPSK	39700	50RB#0	8.9783	9.768	PASS
Band41	10MHz	16QAM	39700	50RB#0	8.9980	10.28	PASS
Band41	10MHz	QPSK	40620	50RB#0	8.9940	9.786	PASS
Band41	10MHz	16QAM	40620	50RB#0	8.9761	9.925	PASS
Band41	10MHz	QPSK	41540	50RB#0	8.9632	11.00	PASS
Band41	10MHz	16QAM	41540	50RB#0	8.9992	10.15	PASS
Band41	15MHz	QPSK	39725	75RB#0	13.224	15.39	PASS
Band41	15MHz	16QAM	39725	75RB#0	13.511	15.36	PASS
Band41	15MHz	QPSK	40620	75RB#0	13.423	15.15	PASS
Band41	15MHz	16QAM	40620	75RB#0	13.441	15.77	PASS
Band41	15MHz	QPSK	41515	75RB#0	13.493	15.15	PASS
Band41	15MHz	16QAM	41515	75RB#0	13.452	15.68	PASS
Band41	20MHz	QPSK	39750	100RB#0	17.977	20.07	PASS
Band41	20MHz	16QAM	39750	100RB#0	17.948	19.85	PASS
Band41	20MHz	QPSK	40620	100RB#0	17.932	19.86	PASS
Band41	20MHz	16QAM	40620	100RB#0	17.964	19.59	PASS
Band41	20MHz	QPSK	41490	100RB#0	17.925	19.74	PASS
Band41	20MHz	16QAM	41490	100RB#0	17.971	19.33	PASS



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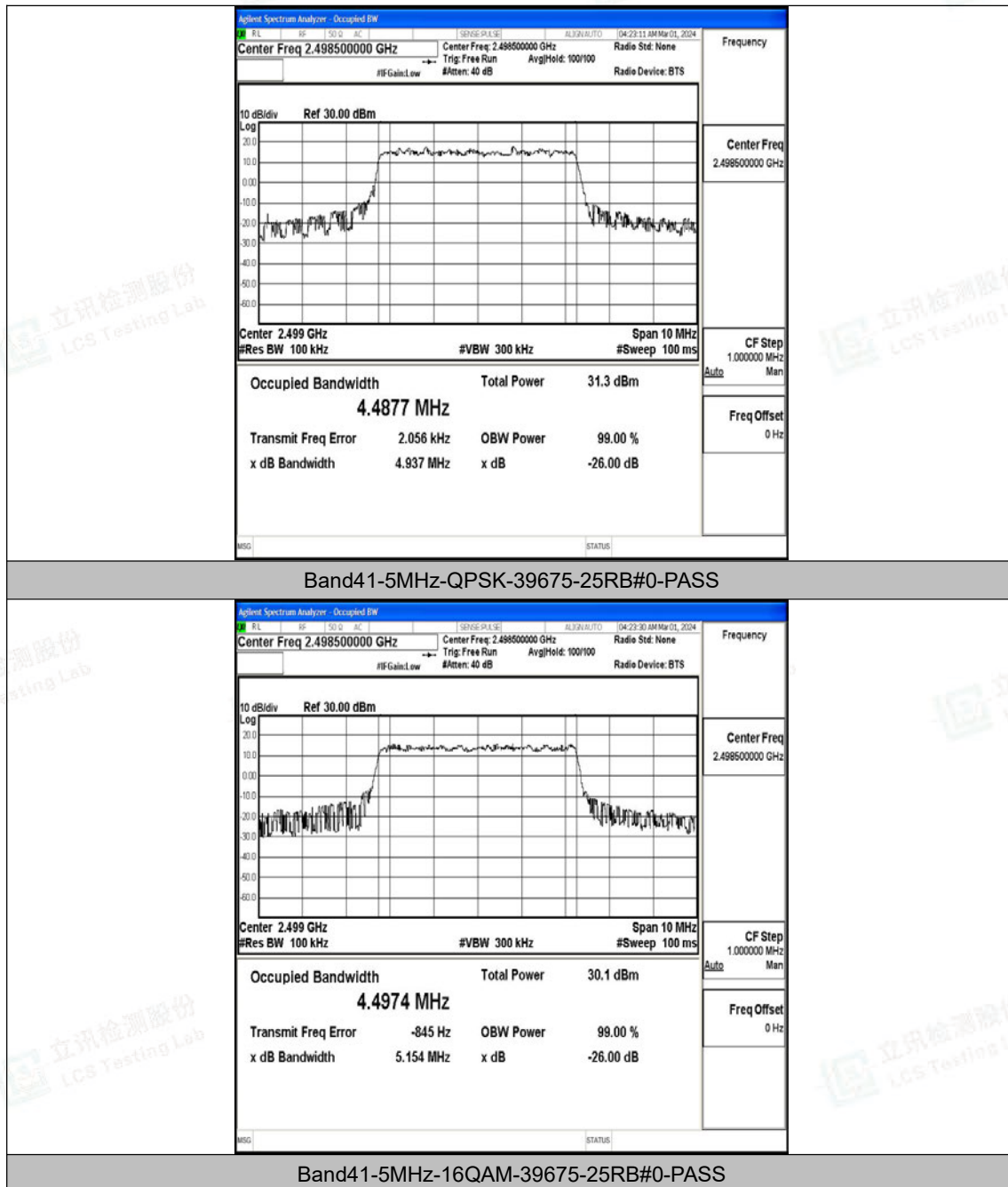
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Test Graphs

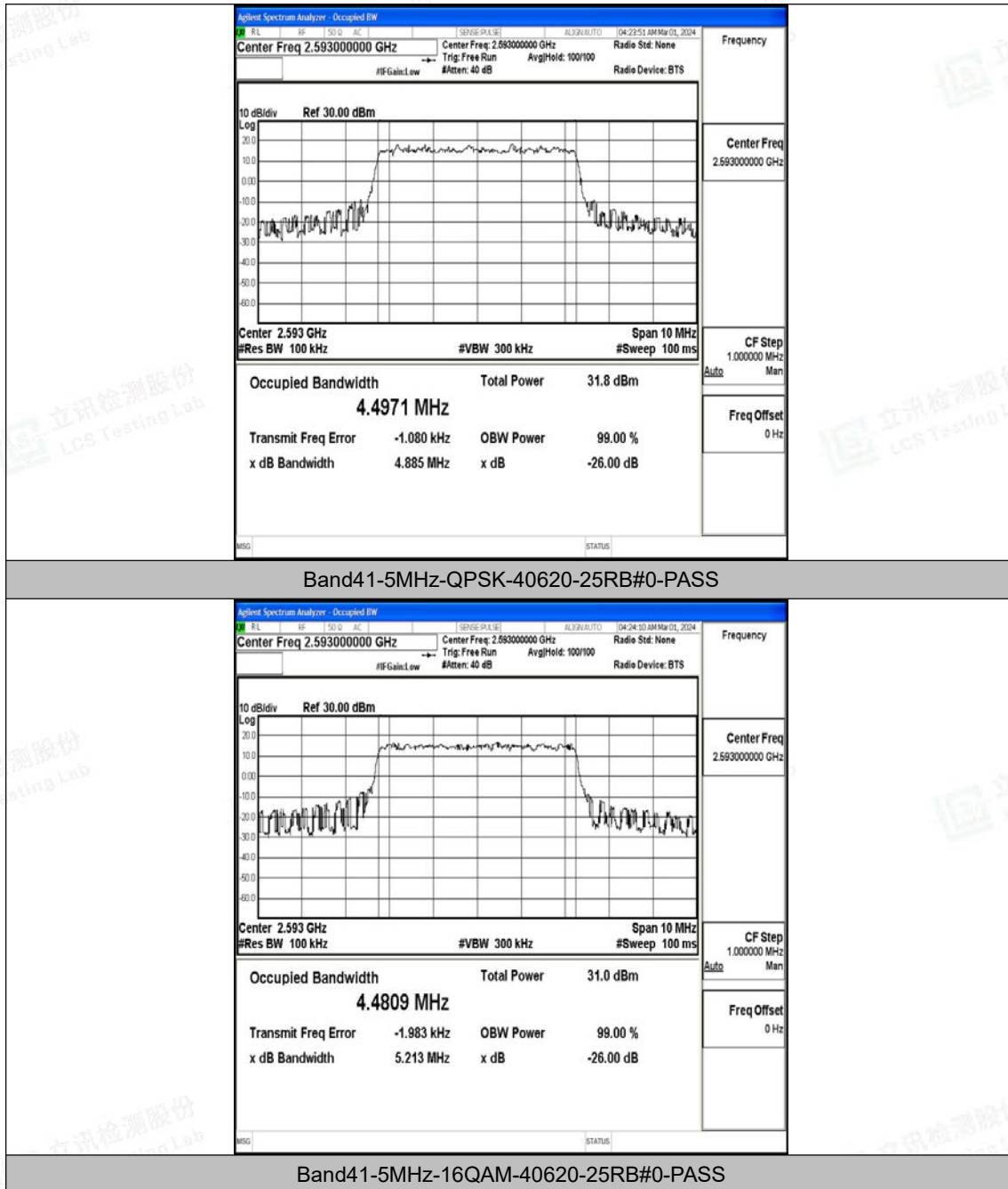


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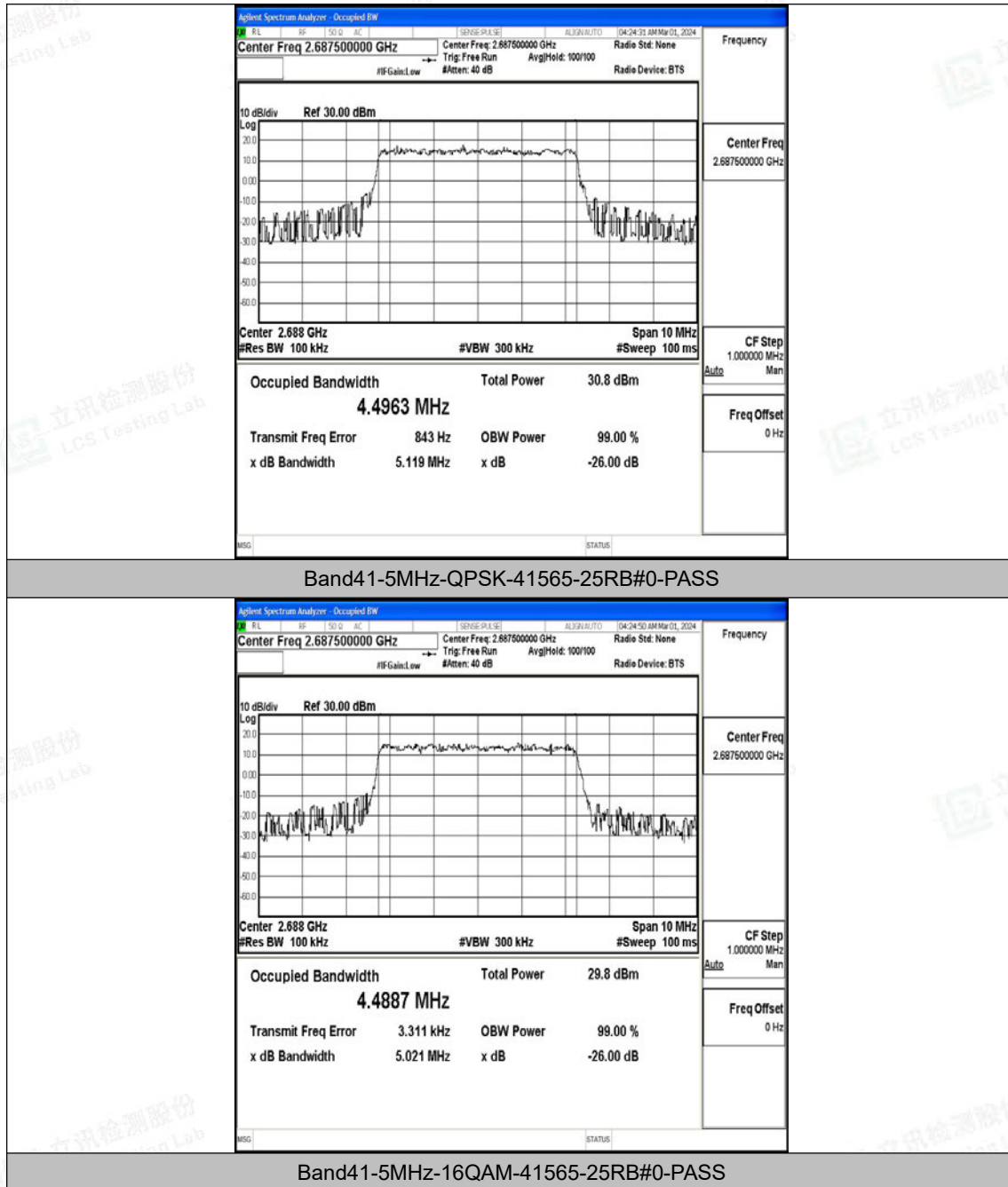


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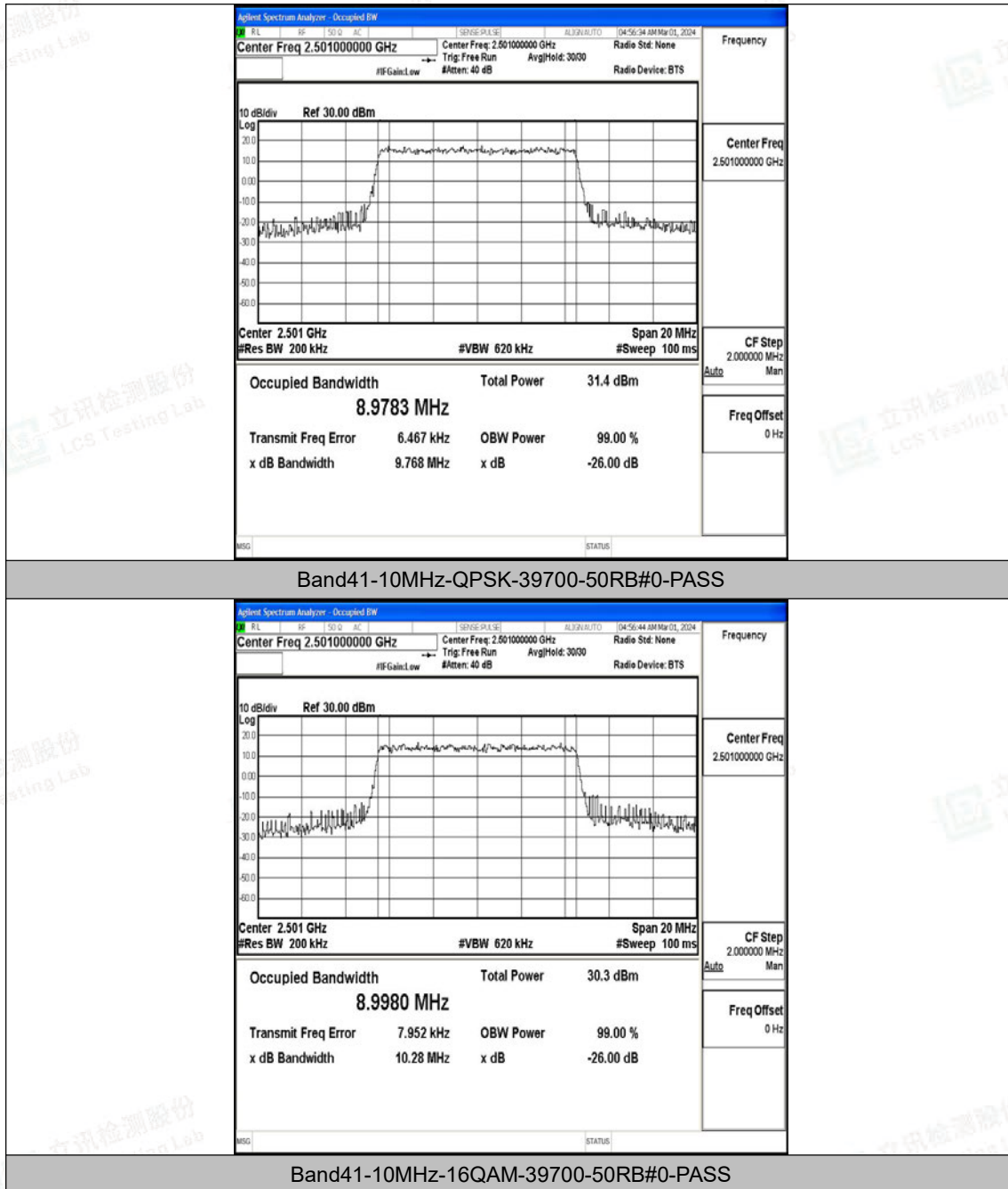


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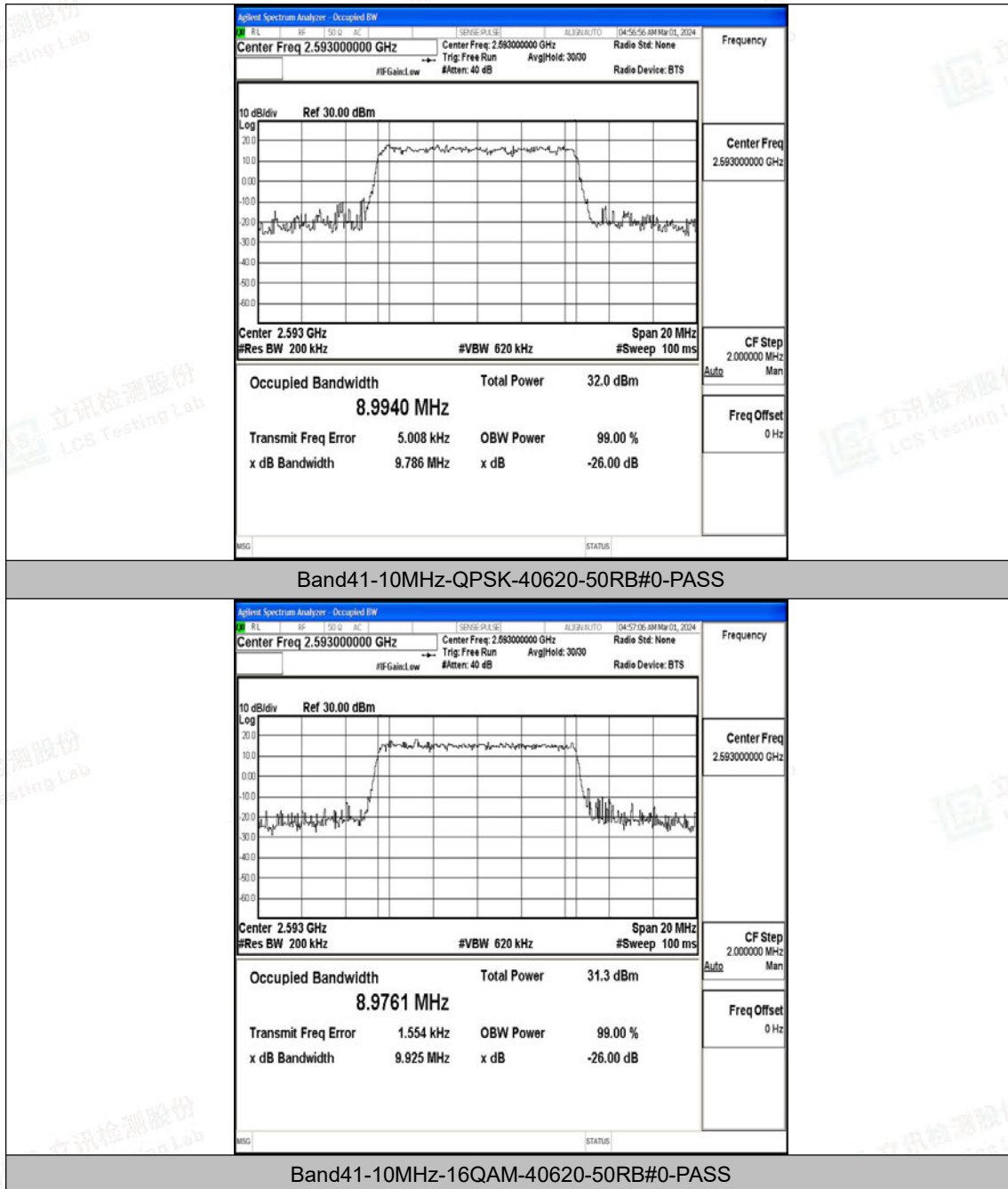


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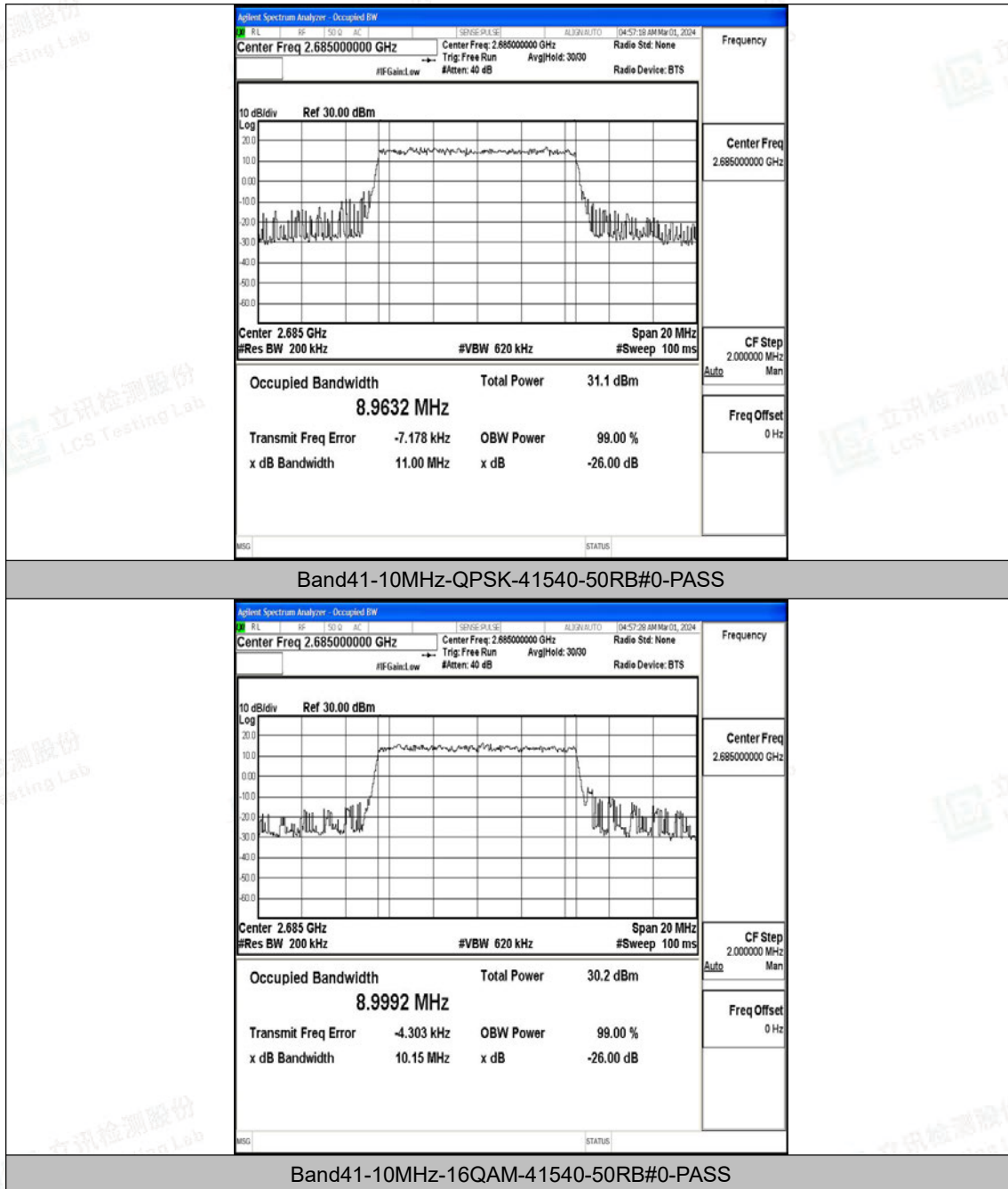


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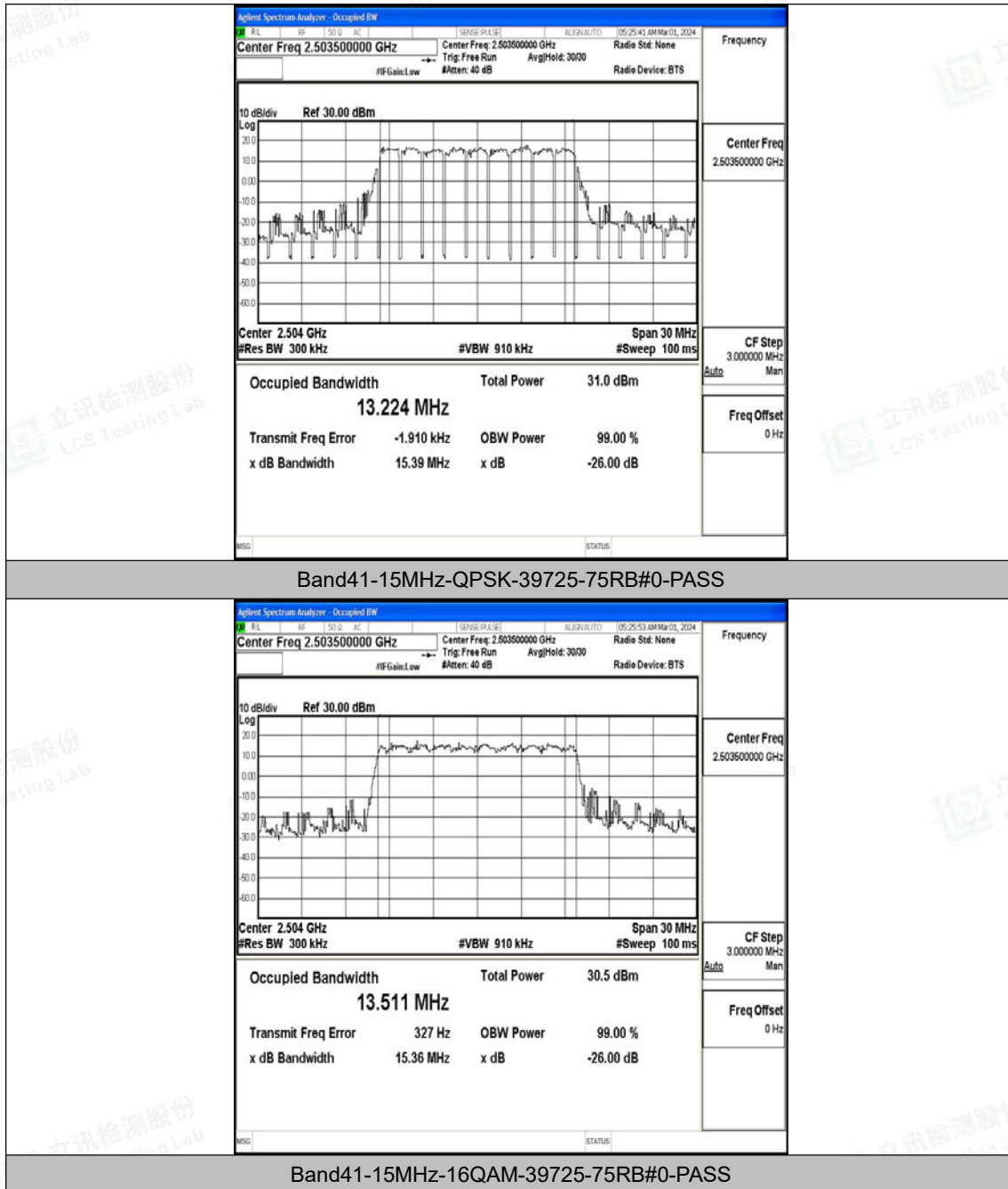


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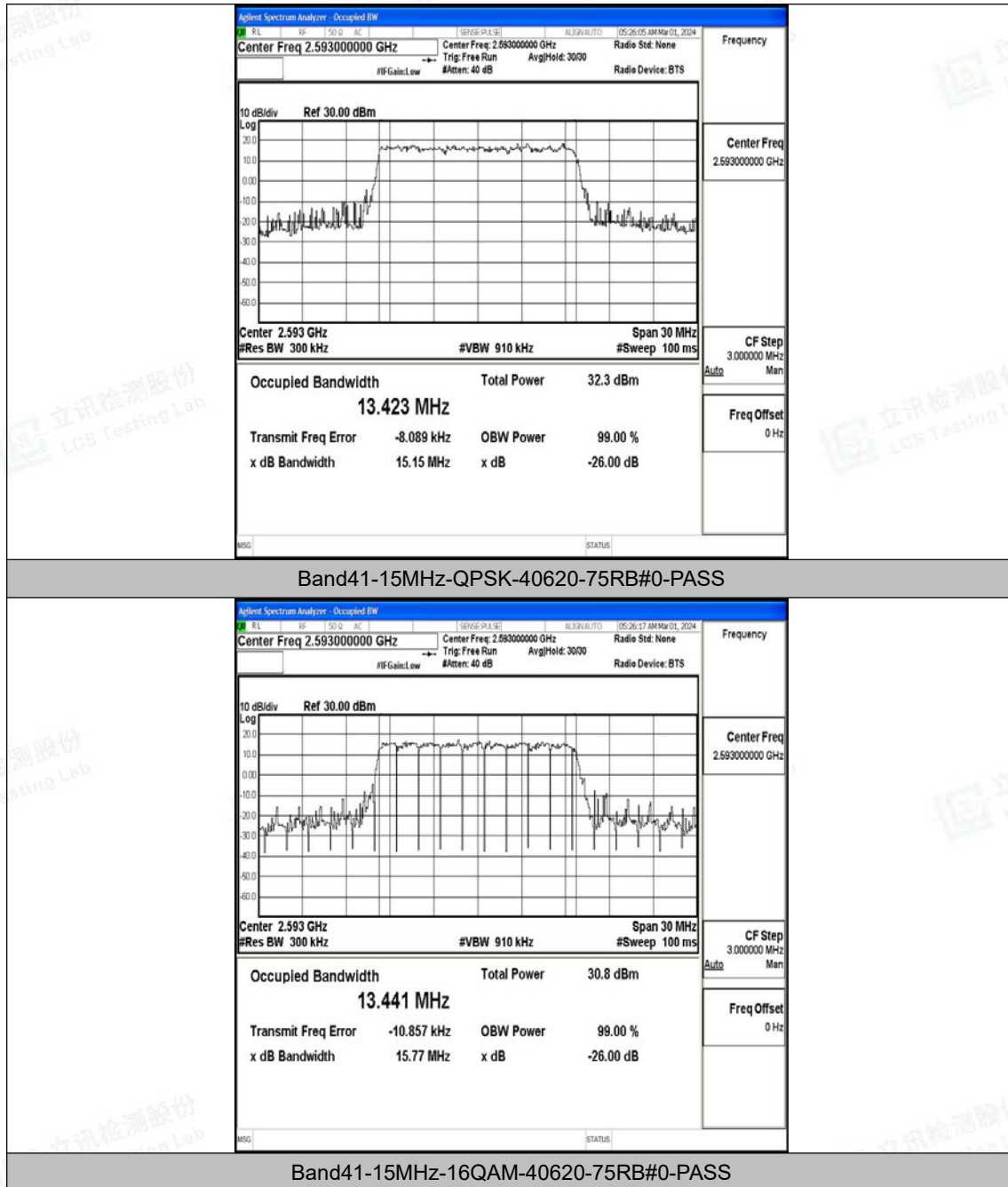


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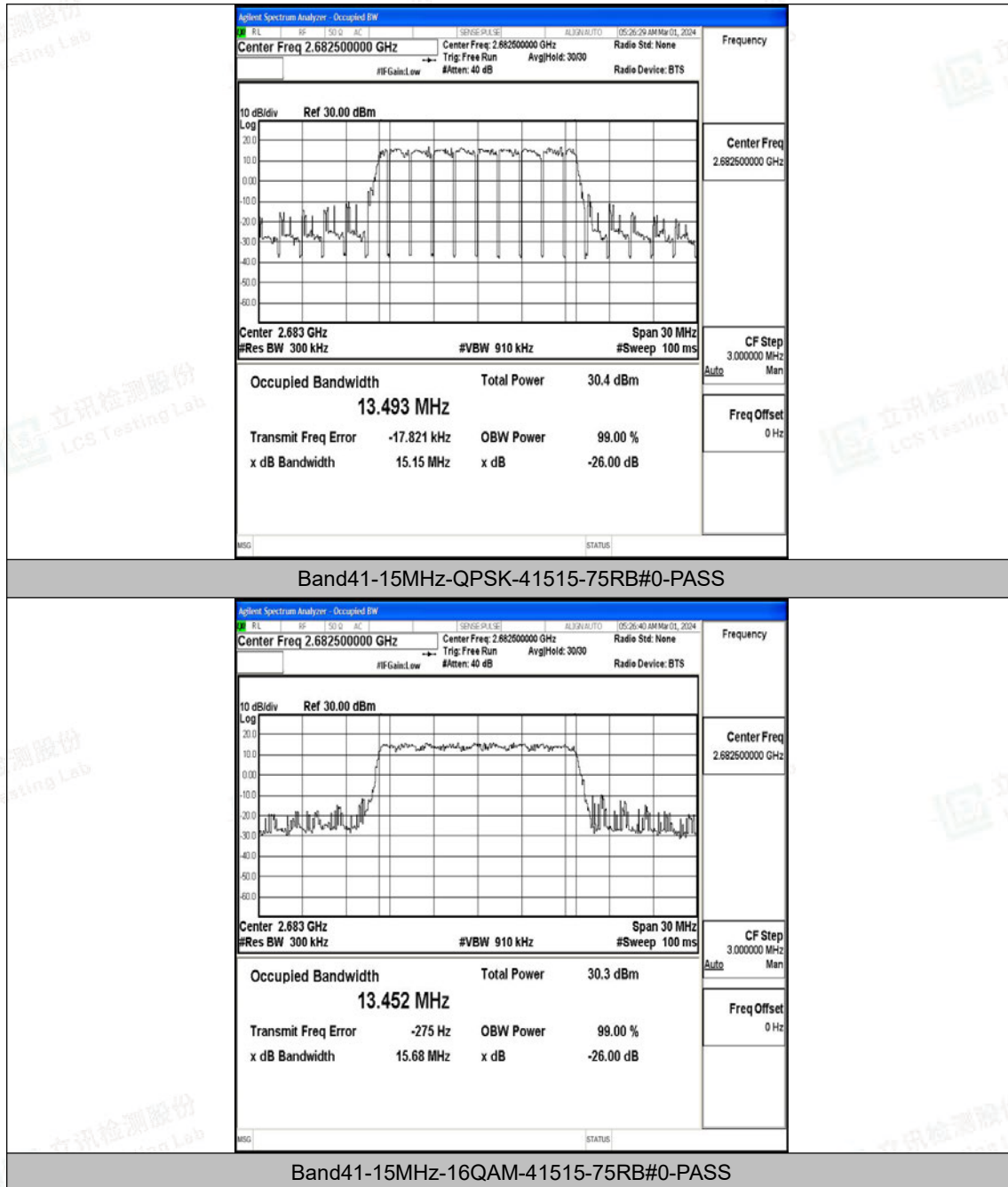


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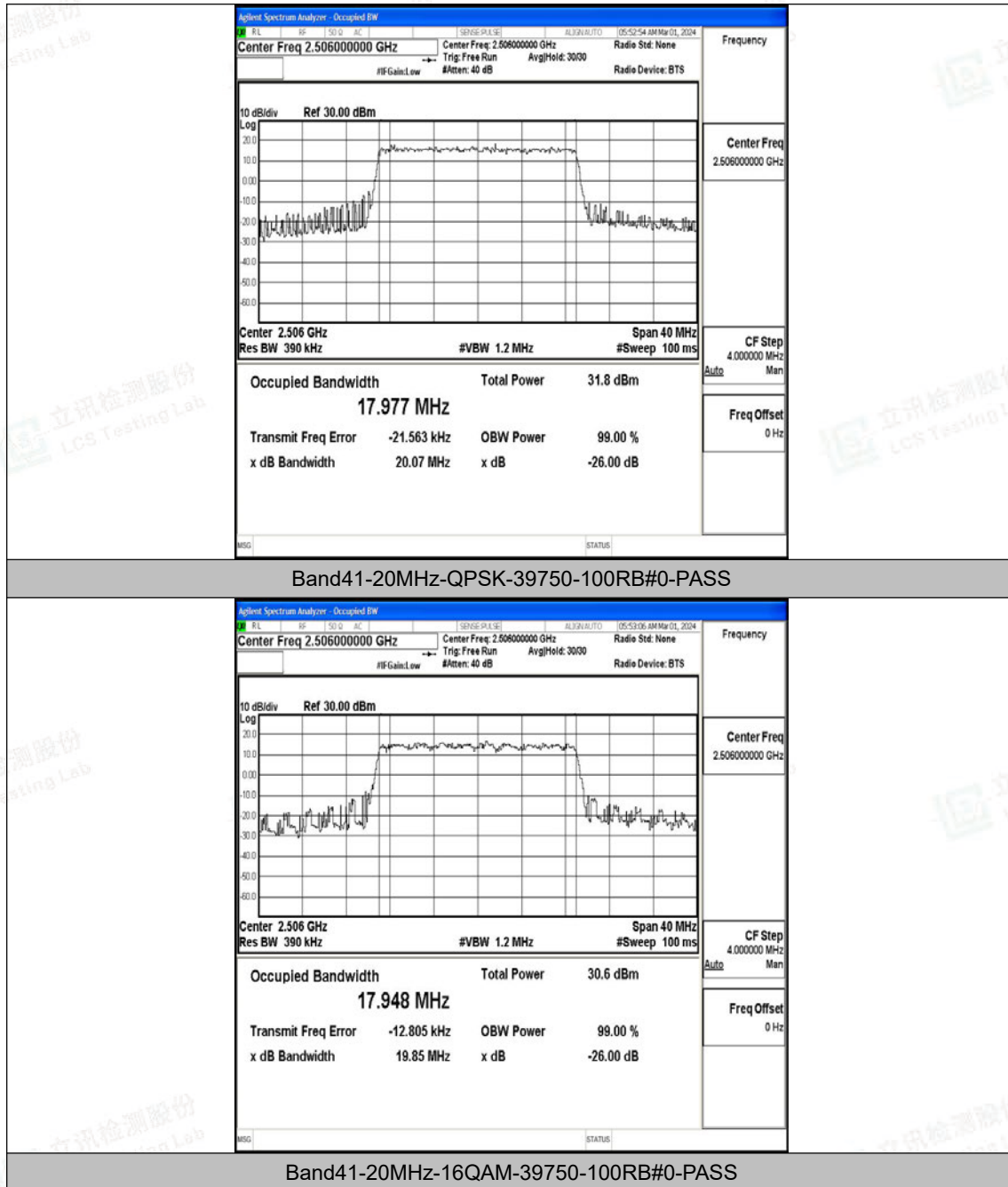


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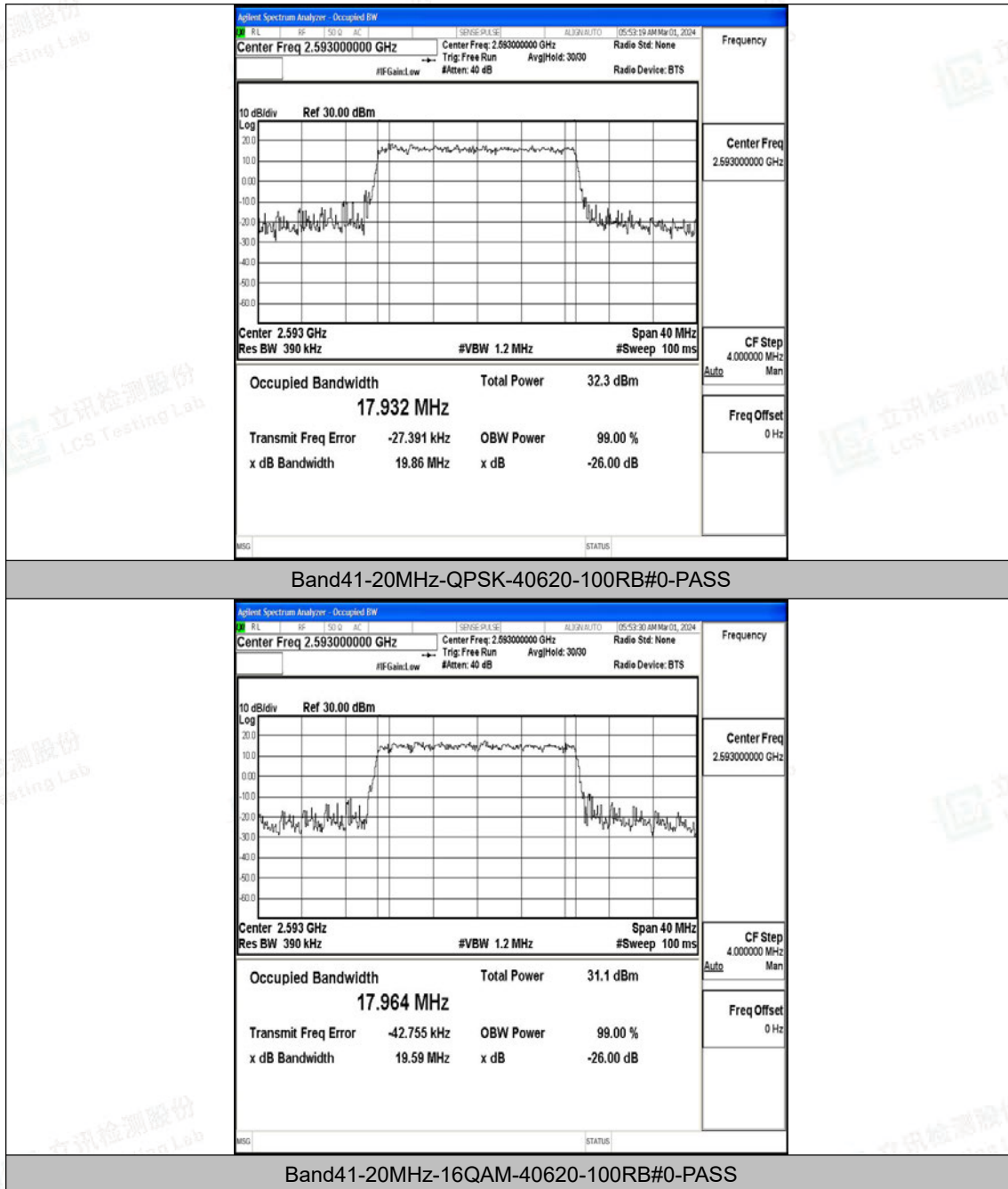


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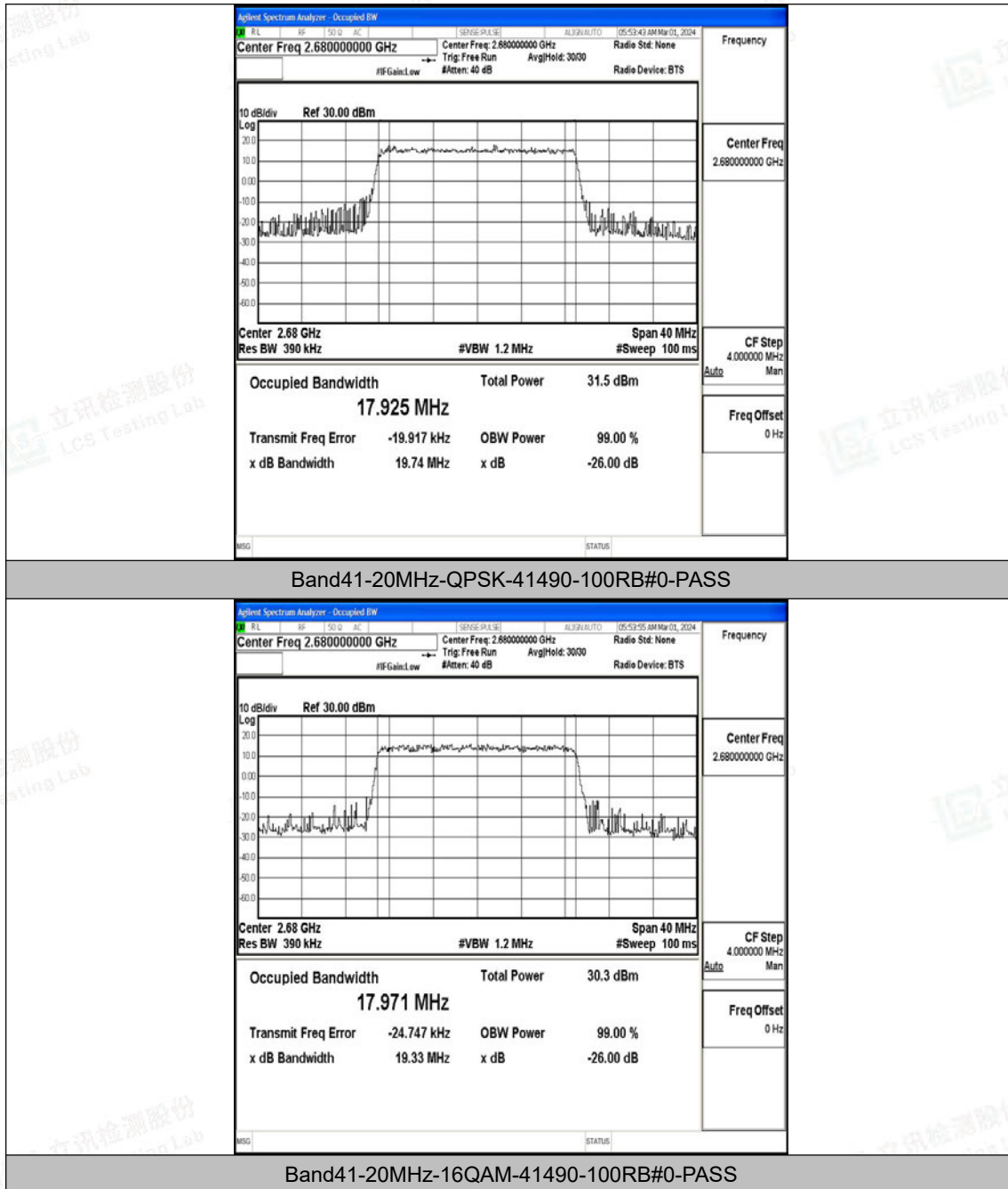


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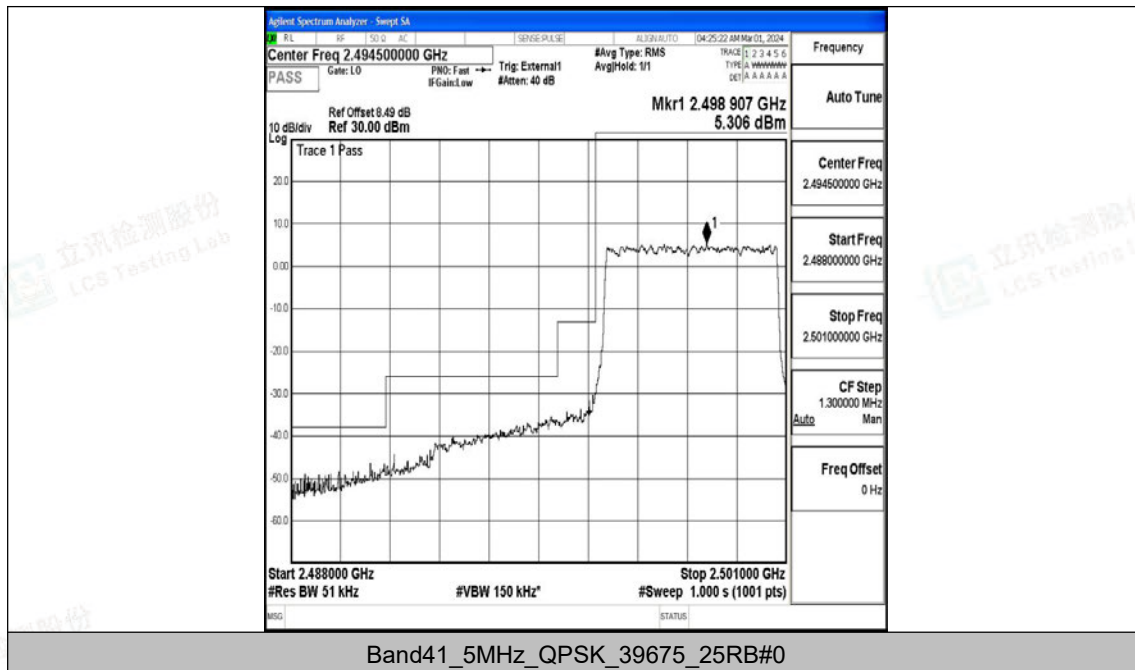


P.4 Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Peak Frequency	Result(dBm)	Verdict
Band41	5MHz	QPSK	39675	25RB#0	2490.09	-46.42	PASS
Band41	5MHz	16QAM	39675	25RB#0	2490.31	-48.59	PASS
Band41	5MHz	QPSK	41565	25RB#0	2697.26	-44.55	PASS
Band41	5MHz	16QAM	41565	25RB#0	2696.43	-45.33	PASS
Band41	10MHz	QPSK	39700	50RB#0	2490.39	-40.49	PASS
Band41	10MHz	16QAM	39700	50RB#0	2490.34	-41.46	PASS
Band41	10MHz	QPSK	41540	50RB#0	2700.28	-43.55	PASS
Band41	10MHz	16QAM	41540	50RB#0	2700.08	-43.91	PASS
Band41	15MHz	QPSK	39725	75RB#0	2489.66	-37.41	PASS
Band41	15MHz	16QAM	39725	75RB#0	2489.77	-38.99	PASS
Band41	15MHz	QPSK	41515	75RB#0	2706.36	-41.77	PASS
Band41	15MHz	16QAM	41515	75RB#0	2706.29	-42.79	PASS
Band41	20MHz	QPSK	39750	100RB#0	2490.32	-38.52	PASS
Band41	20MHz	16QAM	39750	100RB#0	2490.41	-39.28	PASS
Band41	20MHz	QPSK	41490	100RB#0	2710.01	-42.29	PASS
Band41	20MHz	16QAM	41490	100RB#0	2712.35	-42.70	PASS

Test Graphs

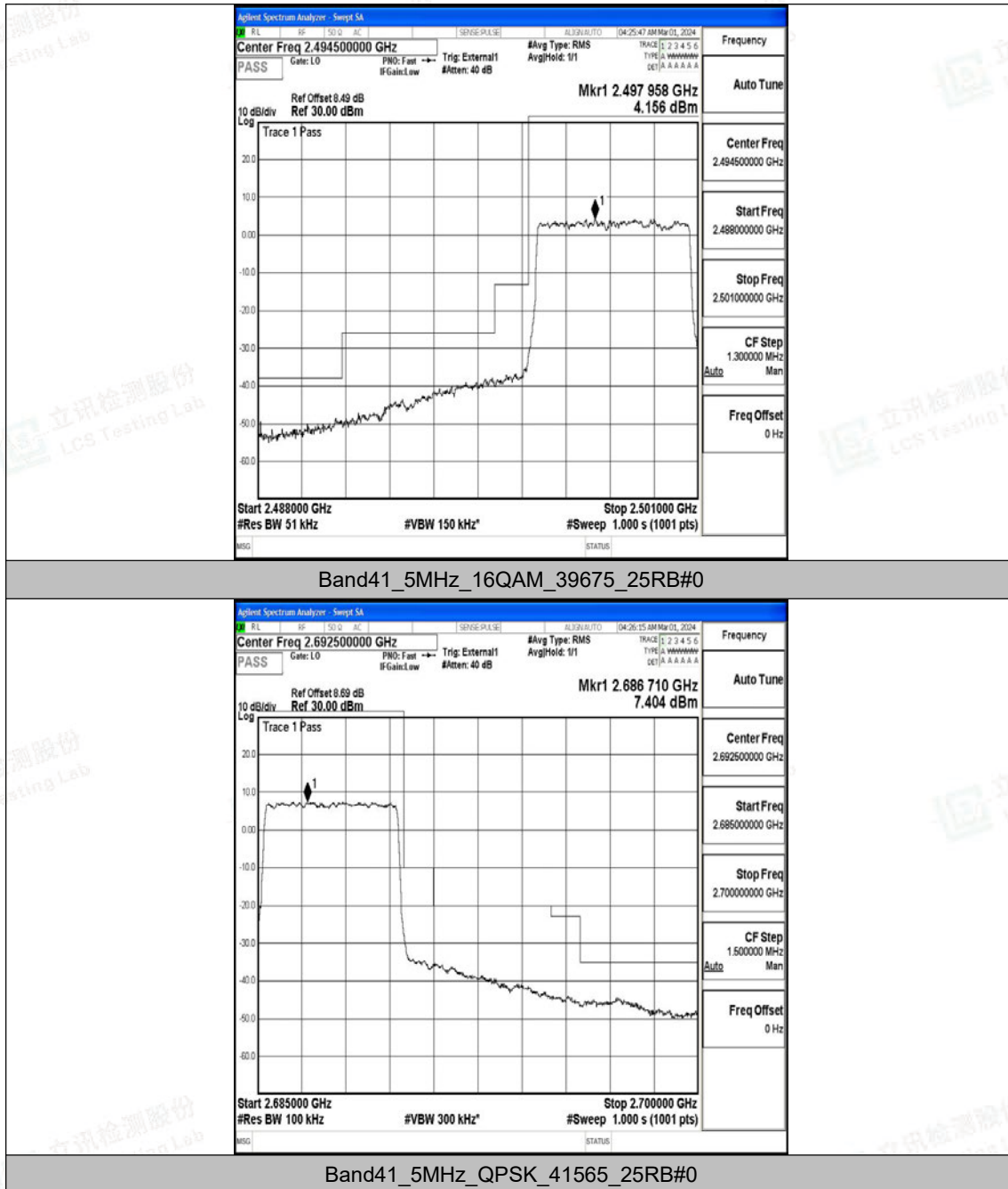


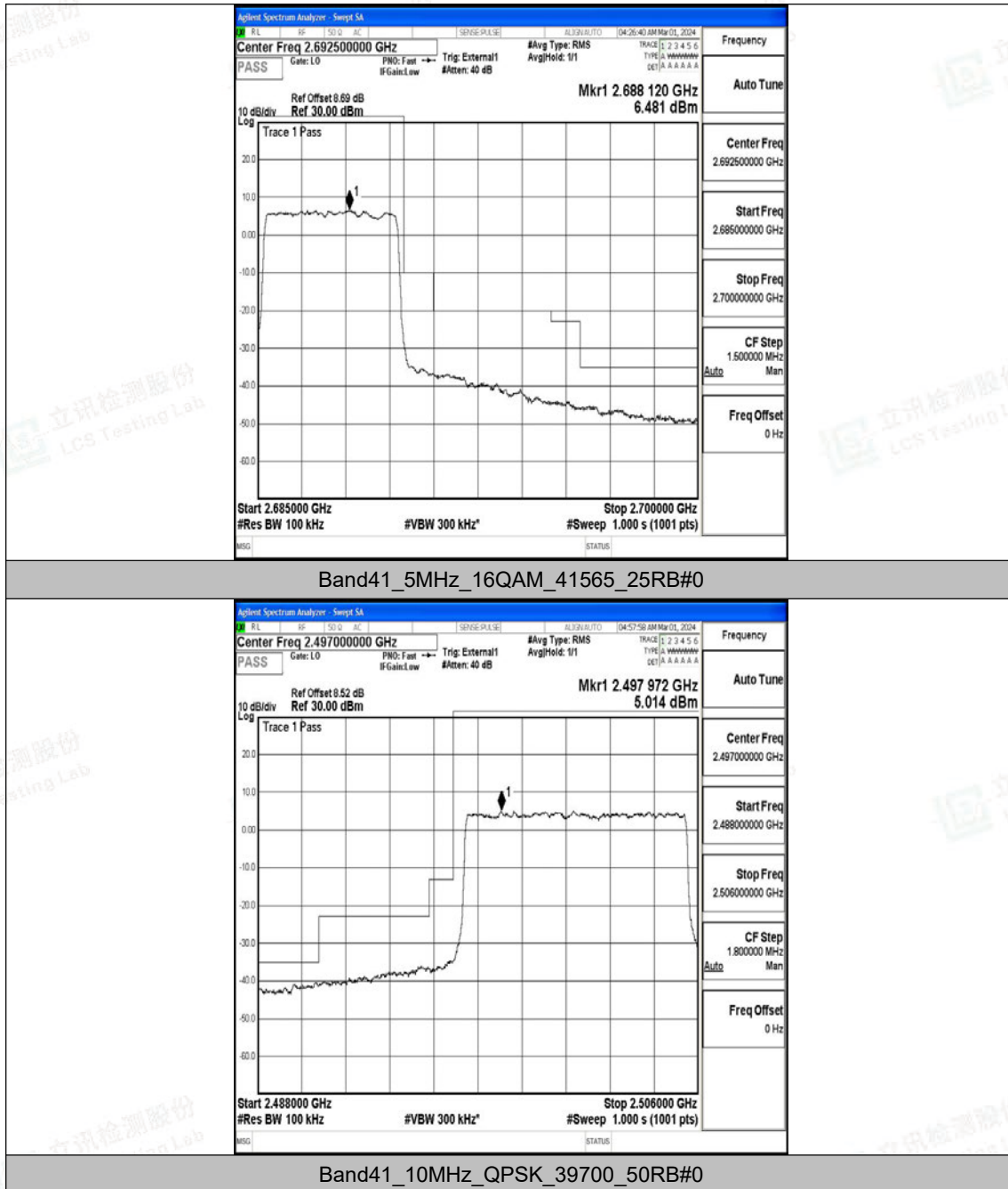
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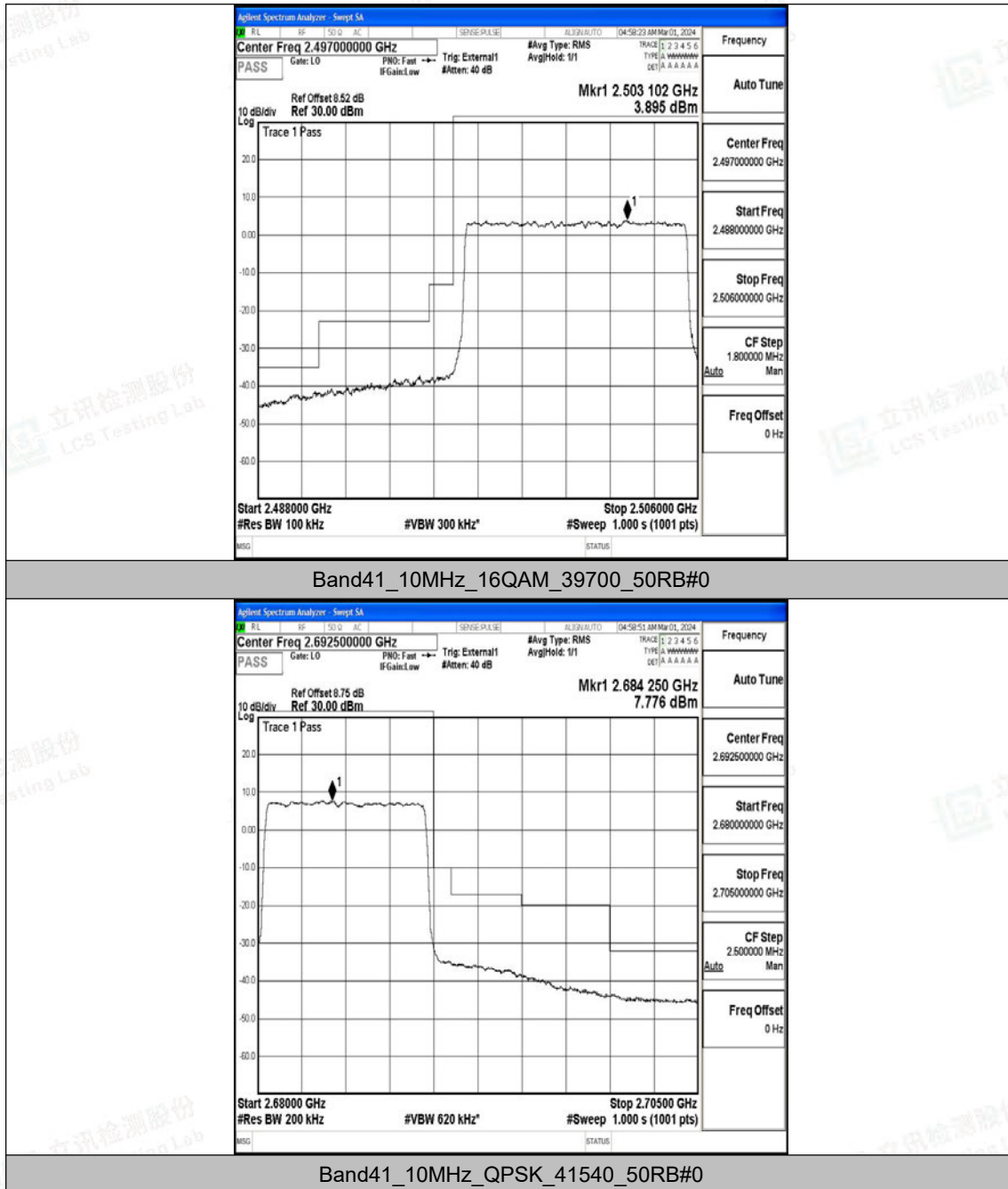
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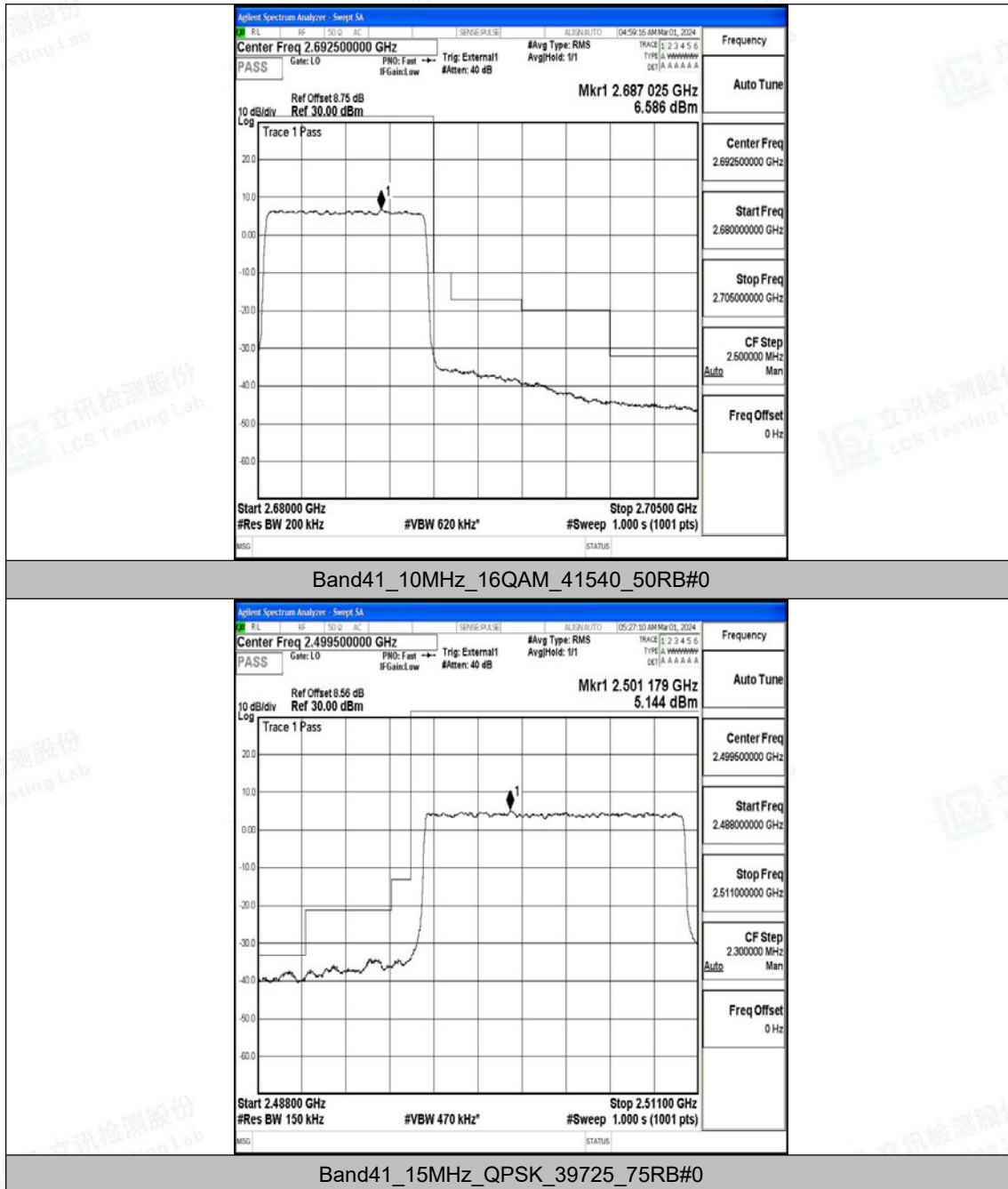


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