



Appendix K: Test Data for E-UTRA Band 41

Product Name: Smart POS

Test Model: WIZARHAND Q1

Environmental Conditions

Temperature:	24.3°C
Relative Humidity:	53.8%
ATM Pressure:	100.0 kPa
Test Engineer:	Billy Yu
Supervised by:	Paddi Chen



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K.1 Conducted Output Power Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band41	5MHz	QPSK	39675	1RB#0	21.66	PASS
Band41	5MHz	16QAM	39675	1RB#0	21.49	PASS
Band41	5MHz	QPSK	39675	1RB#12	21.60	PASS
Band41	5MHz	16QAM	39675	1RB#12	21.51	PASS
Band41	5MHz	QPSK	39675	1RB#24	21.60	PASS
Band41	5MHz	16QAM	39675	1RB#24	21.42	PASS
Band41	5MHz	QPSK	39675	12RB#0	20.87	PASS
Band41	5MHz	16QAM	39675	12RB#0	20.04	PASS
Band41	5MHz	QPSK	39675	12RB#6	21.08	PASS
Band41	5MHz	16QAM	39675	12RB#6	20.45	PASS
Band41	5MHz	QPSK	39675	12RB#13	21.14	PASS
Band41	5MHz	16QAM	39675	12RB#13	20.49	PASS
Band41	5MHz	QPSK	39675	25RB#0	21.01	PASS
Band41	5MHz	16QAM	39675	25RB#0	20.23	PASS
Band41	5MHz	QPSK	40620	1RB#0	22.41	PASS
Band41	5MHz	16QAM	40620	1RB#0	22.12	PASS
Band41	5MHz	QPSK	40620	1RB#12	22.42	PASS
Band41	5MHz	16QAM	40620	1RB#12	22.27	PASS
Band41	5MHz	QPSK	40620	1RB#24	22.41	PASS
Band41	5MHz	16QAM	40620	1RB#24	22.04	PASS
Band41	5MHz	QPSK	40620	12RB#0	21.41	PASS
Band41	5MHz	16QAM	40620	12RB#0	20.78	PASS
Band41	5MHz	QPSK	40620	12RB#6	21.37	PASS
Band41	5MHz	16QAM	40620	12RB#6	20.79	PASS
Band41	5MHz	QPSK	40620	12RB#13	21.34	PASS
Band41	5MHz	16QAM	40620	12RB#13	20.74	PASS
Band41	5MHz	QPSK	40620	25RB#0	21.32	PASS
Band41	5MHz	16QAM	40620	25RB#0	20.83	PASS
Band41	5MHz	QPSK	41565	1RB#0	21.78	PASS
Band41	5MHz	16QAM	41565	1RB#0	21.70	PASS
Band41	5MHz	QPSK	41565	1RB#12	21.77	PASS
Band41	5MHz	16QAM	41565	1RB#12	21.41	PASS
Band41	5MHz	QPSK	41565	1RB#24	21.69	PASS
Band41	5MHz	16QAM	41565	1RB#24	21.58	PASS
Band41	5MHz	QPSK	41565	12RB#0	20.85	PASS



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Band41	5MHz	16QAM	41565	12RB#0	20.16	PASS
Band41	5MHz	QPSK	41565	12RB#6	20.82	PASS
Band41	5MHz	16QAM	41565	12RB#6	20.00	PASS
Band41	5MHz	QPSK	41565	12RB#13	20.74	PASS
Band41	5MHz	16QAM	41565	12RB#13	20.08	PASS
Band41	5MHz	QPSK	41565	25RB#0	20.81	PASS
Band41	5MHz	16QAM	41565	25RB#0	20.19	PASS
Band41	10MHz	QPSK	39700	1RB#0	22.58	PASS
Band41	10MHz	16QAM	39700	1RB#0	22.52	PASS
Band41	10MHz	QPSK	39700	1RB#24	22.63	PASS
Band41	10MHz	16QAM	39700	1RB#24	22.51	PASS
Band41	10MHz	QPSK	39700	1RB#49	22.67	PASS
Band41	10MHz	16QAM	39700	1RB#49	22.59	PASS
Band41	10MHz	QPSK	39700	25RB#0	21.63	PASS
Band41	10MHz	16QAM	39700	25RB#0	20.95	PASS
Band41	10MHz	QPSK	39700	25RB#12	21.57	PASS
Band41	10MHz	16QAM	39700	25RB#12	20.94	PASS
Band41	10MHz	QPSK	39700	25RB#25	21.62	PASS
Band41	10MHz	16QAM	39700	25RB#25	20.95	PASS
Band41	10MHz	QPSK	39700	50RB#0	21.62	PASS
Band41	10MHz	16QAM	39700	50RB#0	20.99	PASS
Band41	10MHz	QPSK	40620	1RB#0	22.75	PASS
Band41	10MHz	16QAM	40620	1RB#0	22.62	PASS
Band41	10MHz	QPSK	40620	1RB#24	22.66	PASS
Band41	10MHz	16QAM	40620	1RB#24	22.51	PASS
Band41	10MHz	QPSK	40620	1RB#49	22.62	PASS
Band41	10MHz	16QAM	40620	1RB#49	22.58	PASS
Band41	10MHz	QPSK	40620	25RB#0	21.57	PASS
Band41	10MHz	16QAM	40620	25RB#0	20.88	PASS
Band41	10MHz	QPSK	40620	25RB#12	21.58	PASS
Band41	10MHz	16QAM	40620	25RB#12	20.89	PASS
Band41	10MHz	QPSK	40620	25RB#25	21.46	PASS
Band41	10MHz	16QAM	40620	25RB#25	20.84	PASS
Band41	10MHz	QPSK	40620	50RB#0	21.49	PASS
Band41	10MHz	16QAM	40620	50RB#0	20.87	PASS
Band41	10MHz	QPSK	41540	1RB#0	22.04	PASS
Band41	10MHz	16QAM	41540	1RB#0	21.84	PASS
Band41	10MHz	QPSK	41540	1RB#24	21.96	PASS
Band41	10MHz	16QAM	41540	1RB#24	21.86	PASS
Band41	10MHz	QPSK	41540	1RB#49	22.03	PASS
Band41	10MHz	16QAM	41540	1RB#49	21.83	PASS



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Band41	10MHz	QPSK	41540	25RB#0	20.88	PASS
Band41	10MHz	16QAM	41540	25RB#0	20.20	PASS
Band41	10MHz	QPSK	41540	25RB#12	20.89	PASS
Band41	10MHz	16QAM	41540	25RB#12	20.21	PASS
Band41	10MHz	QPSK	41540	25RB#25	20.98	PASS
Band41	10MHz	16QAM	41540	25RB#25	20.19	PASS
Band41	10MHz	QPSK	41540	50RB#0	20.93	PASS
Band41	10MHz	16QAM	41540	50RB#0	20.23	PASS
Band41	15MHz	QPSK	39725	1RB#0	22.57	PASS
Band41	15MHz	16QAM	39725	1RB#0	22.54	PASS
Band41	15MHz	QPSK	39725	1RB#38	22.69	PASS
Band41	15MHz	16QAM	39725	1RB#38	22.54	PASS
Band41	15MHz	QPSK	39725	1RB#74	22.75	PASS
Band41	15MHz	16QAM	39725	1RB#74	22.57	PASS
Band41	15MHz	QPSK	39725	38RB#0	21.53	PASS
Band41	15MHz	16QAM	39725	38RB#0	21.54	PASS
Band41	15MHz	QPSK	39725	38RB#18	21.54	PASS
Band41	15MHz	16QAM	39725	38RB#18	21.53	PASS
Band41	15MHz	QPSK	39725	38RB#37	21.53	PASS
Band41	15MHz	16QAM	39725	38RB#37	21.53	PASS
Band41	15MHz	QPSK	39725	75RB#0	21.53	PASS
Band41	15MHz	16QAM	39725	75RB#0	20.75	PASS
Band41	15MHz	QPSK	40620	1RB#0	22.66	PASS
Band41	15MHz	16QAM	40620	1RB#0	22.56	PASS
Band41	15MHz	QPSK	40620	1RB#38	22.58	PASS
Band41	15MHz	16QAM	40620	1RB#38	22.56	PASS
Band41	15MHz	QPSK	40620	1RB#74	22.56	PASS
Band41	15MHz	16QAM	40620	1RB#74	22.54	PASS
Band41	15MHz	QPSK	40620	38RB#0	21.59	PASS
Band41	15MHz	16QAM	40620	38RB#0	21.60	PASS
Band41	15MHz	QPSK	40620	38RB#18	21.60	PASS
Band41	15MHz	16QAM	40620	38RB#18	21.60	PASS
Band41	15MHz	QPSK	40620	38RB#37	21.60	PASS
Band41	15MHz	16QAM	40620	38RB#37	21.60	PASS
Band41	15MHz	QPSK	40620	75RB#0	21.60	PASS
Band41	15MHz	16QAM	40620	75RB#0	20.91	PASS
Band41	15MHz	QPSK	41515	1RB#0	21.96	PASS
Band41	15MHz	16QAM	41515	1RB#0	21.74	PASS
Band41	15MHz	QPSK	41515	1RB#38	21.99	PASS
Band41	15MHz	16QAM	41515	1RB#38	21.81	PASS
Band41	15MHz	QPSK	41515	1RB#74	21.61	PASS



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Band41	15MHz	16QAM	41515	1RB#74	21.04	PASS
Band41	15MHz	QPSK	41515	38RB#0	20.78	PASS
Band41	15MHz	16QAM	41515	38RB#0	20.79	PASS
Band41	15MHz	QPSK	41515	38RB#18	20.79	PASS
Band41	15MHz	16QAM	41515	38RB#18	20.79	PASS
Band41	15MHz	QPSK	41515	38RB#37	20.79	PASS
Band41	15MHz	16QAM	41515	38RB#37	20.79	PASS
Band41	15MHz	QPSK	41515	75RB#0	20.79	PASS
Band41	15MHz	16QAM	41515	75RB#0	20.18	PASS
Band41	20MHz	QPSK	39750	1RB#0	22.17	PASS
Band41	20MHz	16QAM	39750	1RB#0	21.81	PASS
Band41	20MHz	QPSK	39750	1RB#49	22.23	PASS
Band41	20MHz	16QAM	39750	1RB#49	21.66	PASS
Band41	20MHz	QPSK	39750	1RB#99	22.33	PASS
Band41	20MHz	16QAM	39750	1RB#99	21.81	PASS
Band41	20MHz	QPSK	39750	50RB#0	21.57	PASS
Band41	20MHz	16QAM	39750	50RB#0	21.06	PASS
Band41	20MHz	QPSK	39750	50RB#25	21.53	PASS
Band41	20MHz	16QAM	39750	50RB#25	21.05	PASS
Band41	20MHz	QPSK	39750	50RB#50	21.65	PASS
Band41	20MHz	16QAM	39750	50RB#50	21.07	PASS
Band41	20MHz	QPSK	39750	100RB#0	21.63	PASS
Band41	20MHz	16QAM	39750	100RB#0	20.98	PASS
Band41	20MHz	QPSK	40620	1RB#0	22.22	PASS
Band41	20MHz	16QAM	40620	1RB#0	22.48	PASS
Band41	20MHz	QPSK	40620	1RB#49	22.26	PASS
Band41	20MHz	16QAM	40620	1RB#49	22.25	PASS
Band41	20MHz	QPSK	40620	1RB#99	22.22	PASS
Band41	20MHz	16QAM	40620	1RB#99	22.23	PASS
Band41	20MHz	QPSK	40620	50RB#0	21.51	PASS
Band41	20MHz	16QAM	40620	50RB#0	20.91	PASS
Band41	20MHz	QPSK	40620	50RB#25	21.25	PASS
Band41	20MHz	16QAM	40620	50RB#25	20.89	PASS
Band41	20MHz	QPSK	40620	50RB#50	21.33	PASS
Band41	20MHz	16QAM	40620	50RB#50	20.78	PASS
Band41	20MHz	QPSK	40620	100RB#0	21.37	PASS
Band41	20MHz	16QAM	40620	100RB#0	20.81	PASS
Band41	20MHz	QPSK	41490	1RB#0	21.60	PASS
Band41	20MHz	16QAM	41490	1RB#0	21.83	PASS
Band41	20MHz	QPSK	41490	1RB#49	21.73	PASS
Band41	20MHz	16QAM	41490	1RB#49	21.89	PASS



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Band41	20MHz	QPSK	41490	1RB#99	21.71	PASS
Band41	20MHz	16QAM	41490	1RB#99	21.89	PASS
Band41	20MHz	QPSK	41490	50RB#0	20.81	PASS
Band41	20MHz	16QAM	41490	50RB#0	20.28	PASS
Band41	20MHz	QPSK	41490	50RB#25	20.82	PASS
Band41	20MHz	16QAM	41490	50RB#25	20.29	PASS
Band41	20MHz	QPSK	41490	50RB#50	20.90	PASS
Band41	20MHz	16QAM	41490	50RB#50	20.36	PASS
Band41	20MHz	QPSK	41490	100RB#0	20.86	PASS
Band41	20MHz	16QAM	41490	100RB#0	20.21	PASS





K.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	8.55	13	PASS
Band41	5MHz	QPSK	39675	25RB#0	9.07	13	PASS
Band41	5MHz	16QAM	39675	25RB#0	9.64	13	PASS
Band41	5MHz	QPSK	40620	1RB#0	8.53	13	PASS
Band41	5MHz	16QAM	40620	1RB#0	9.22	13	PASS
Band41	5MHz	QPSK	40620	25RB#0	9.14	13	PASS
Band41	5MHz	16QAM	40620	25RB#0	9.87	13	PASS
Band41	5MHz	QPSK	41565	1RB#0	8.65	13	PASS
Band41	5MHz	16QAM	41565	1RB#0	8.88	13	PASS
Band41	5MHz	QPSK	41565	25RB#0	9.02	13	PASS
Band41	5MHz	16QAM	41565	25RB#0	9.93	13	PASS
Band41	10MHz	QPSK	39700	1RB#0	8.06	13	PASS
Band41	10MHz	16QAM	39700	1RB#0	8.69	13	PASS
Band41	10MHz	QPSK	39700	50RB#0	8.88	13	PASS
Band41	10MHz	16QAM	39700	50RB#0	9.50	13	PASS
Band41	10MHz	QPSK	40620	1RB#0	8.46	13	PASS
Band41	10MHz	16QAM	40620	1RB#0	9.21	13	PASS
Band41	10MHz	QPSK	40620	50RB#0	9.36	13	PASS
Band41	10MHz	16QAM	40620	50RB#0	9.55	13	PASS
Band41	10MHz	QPSK	41540	1RB#0	8.28	13	PASS
Band41	10MHz	16QAM	41540	1RB#0	9.10	13	PASS
Band41	10MHz	QPSK	41540	50RB#0	9.21	13	PASS
Band41	10MHz	16QAM	41540	50RB#0	9.80	13	PASS
Band41	15MHz	QPSK	39725	1RB#0	8.05	13	PASS
Band41	15MHz	16QAM	39725	1RB#0	8.26	13	PASS
Band41	15MHz	QPSK	39725	75RB#0	9.28	13	PASS
Band41	15MHz	16QAM	39725	75RB#0	10.08	13	PASS
Band41	15MHz	QPSK	40620	1RB#0	8.47	13	PASS
Band41	15MHz	16QAM	40620	1RB#0	8.71	13	PASS
Band41	15MHz	QPSK	40620	75RB#0	9.54	13	PASS
Band41	15MHz	16QAM	40620	75RB#0	9.92	13	PASS
Band41	15MHz	QPSK	41515	1RB#0	8.22	13	PASS
Band41	15MHz	16QAM	41515	1RB#0	8.98	13	PASS
Band41	15MHz	QPSK	41515	75RB#0	8.96	13	PASS



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Band41	15MHz	16QAM	41515	75RB#0	9.77	13	PASS
Band41	20MHz	QPSK	39750	1RB#0	8.30	13	PASS
Band41	20MHz	16QAM	39750	1RB#0	9.09	13	PASS
Band41	20MHz	QPSK	39750	100RB#0	9.15	13	PASS
Band41	20MHz	16QAM	39750	100RB#0	9.67	13	PASS
Band41	20MHz	QPSK	40620	1RB#0	8.27	13	PASS
Band41	20MHz	16QAM	40620	1RB#0	8.93	13	PASS
Band41	20MHz	QPSK	40620	100RB#0	8.64	13	PASS
Band41	20MHz	16QAM	40620	100RB#0	9.41	13	PASS
Band41	20MHz	QPSK	41490	1RB#0	7.98	13	PASS
Band41	20MHz	16QAM	41490	1RB#0	8.35	13	PASS
Band41	20MHz	QPSK	41490	100RB#0	8.84	13	PASS
Band41	20MHz	16QAM	41490	100RB#0	9.68	13	PASS



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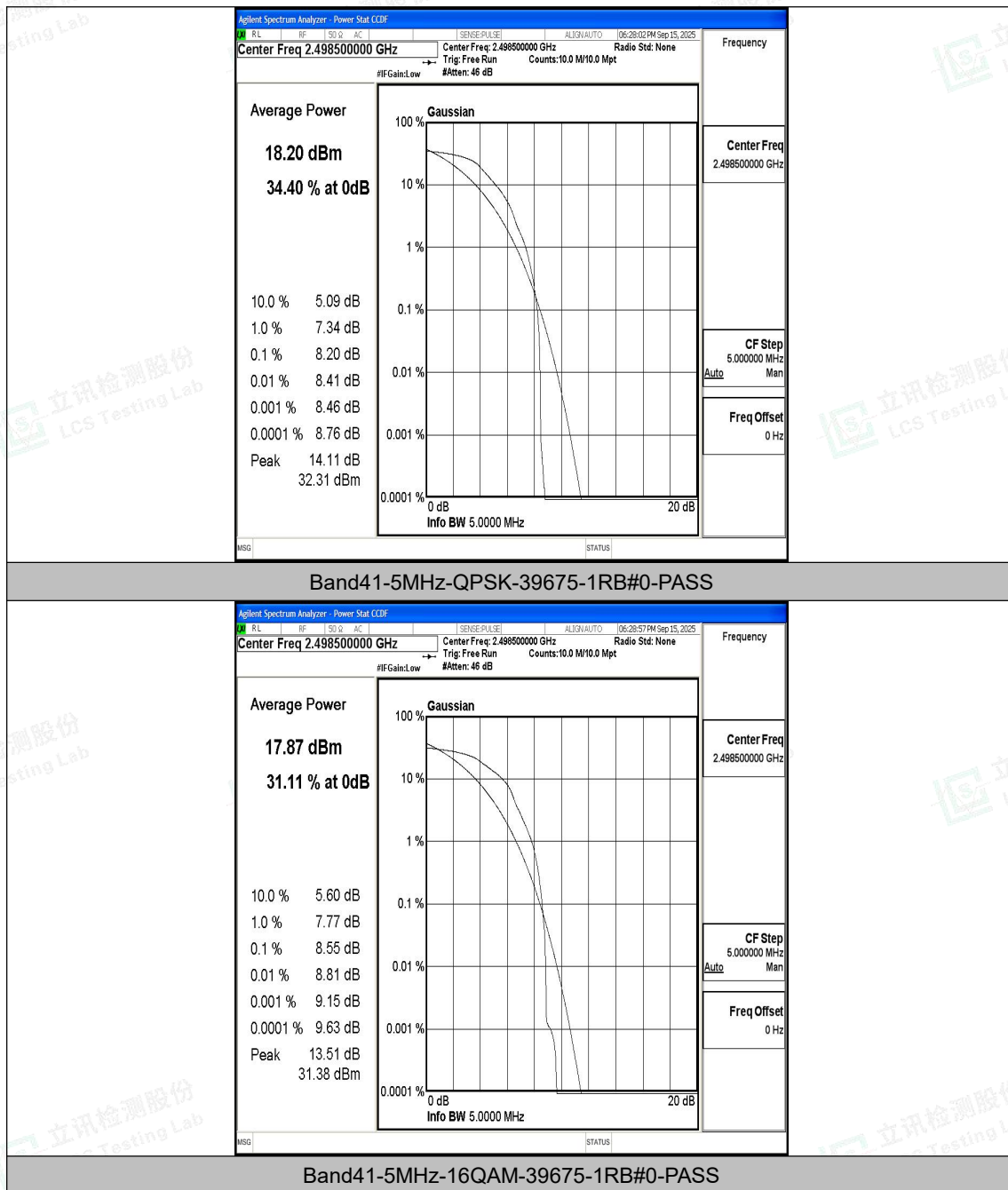
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Test Graphs

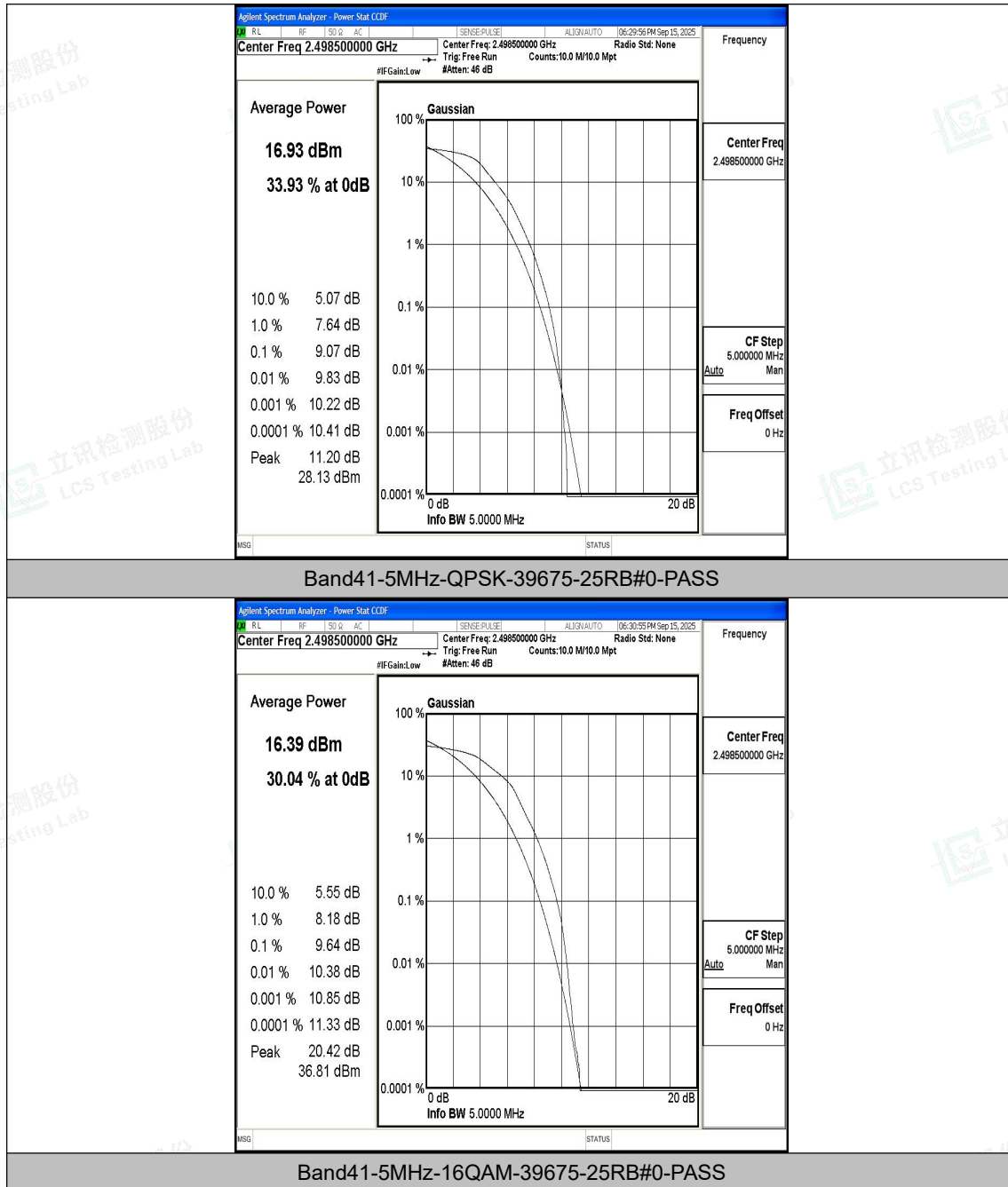


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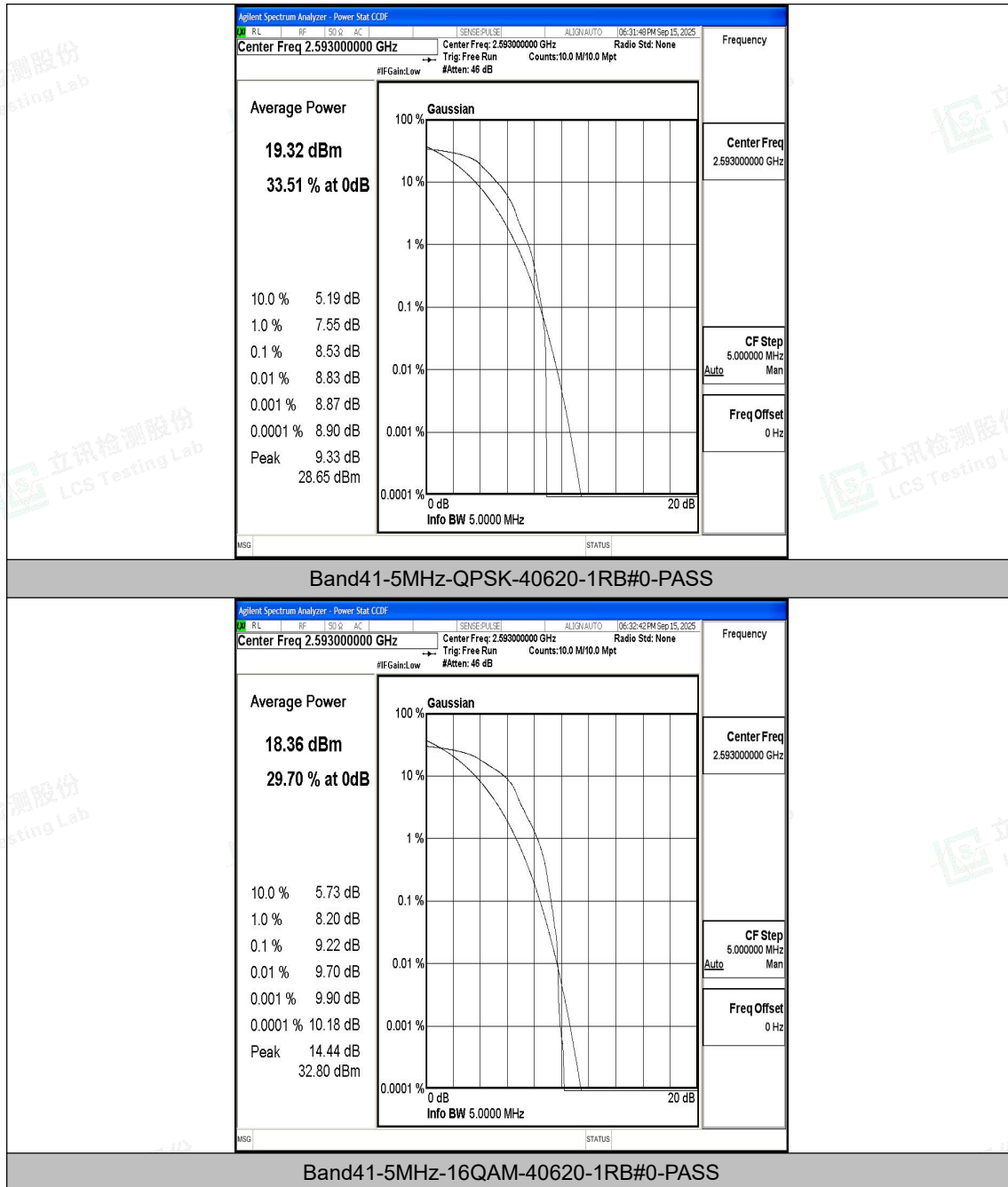


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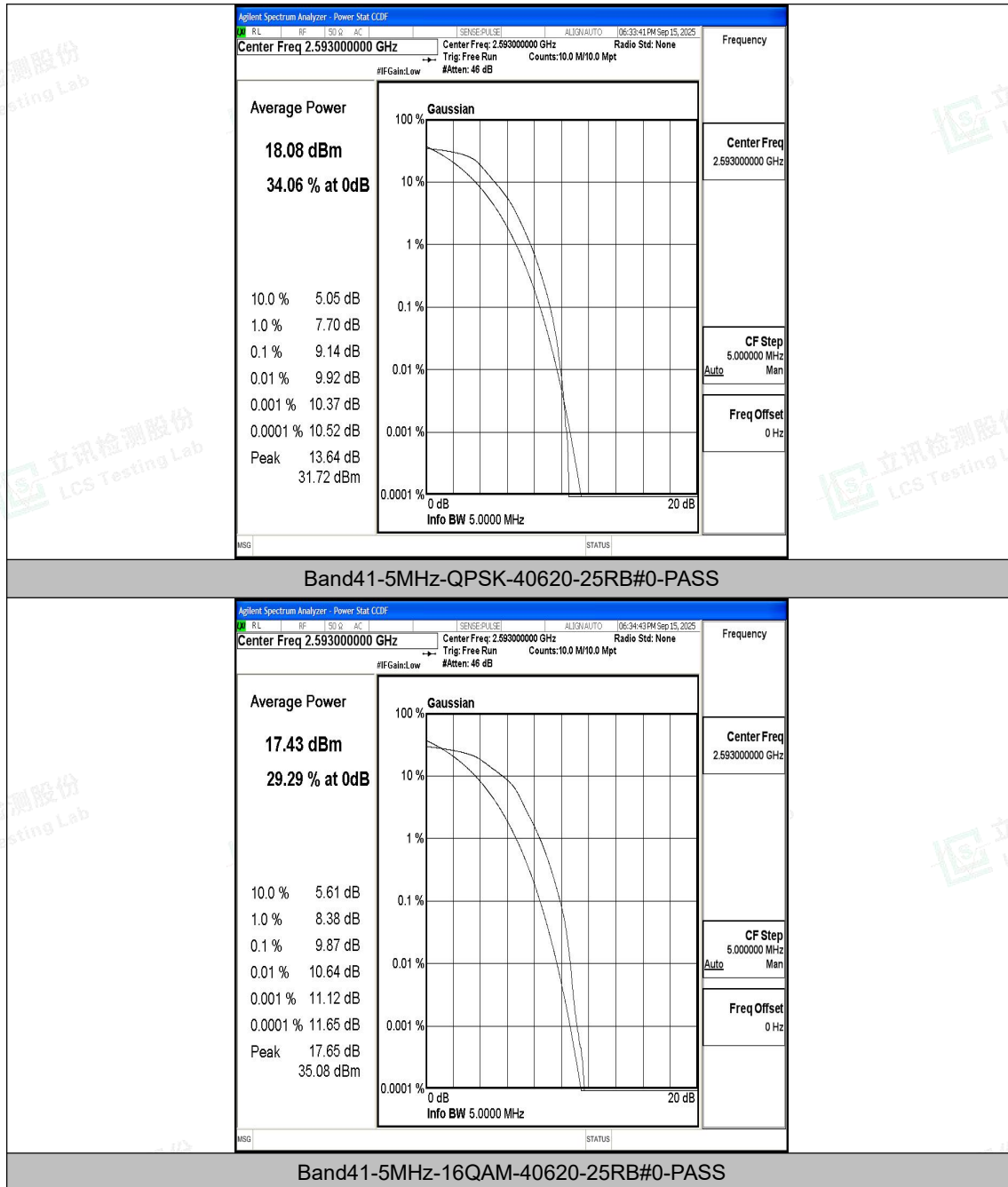


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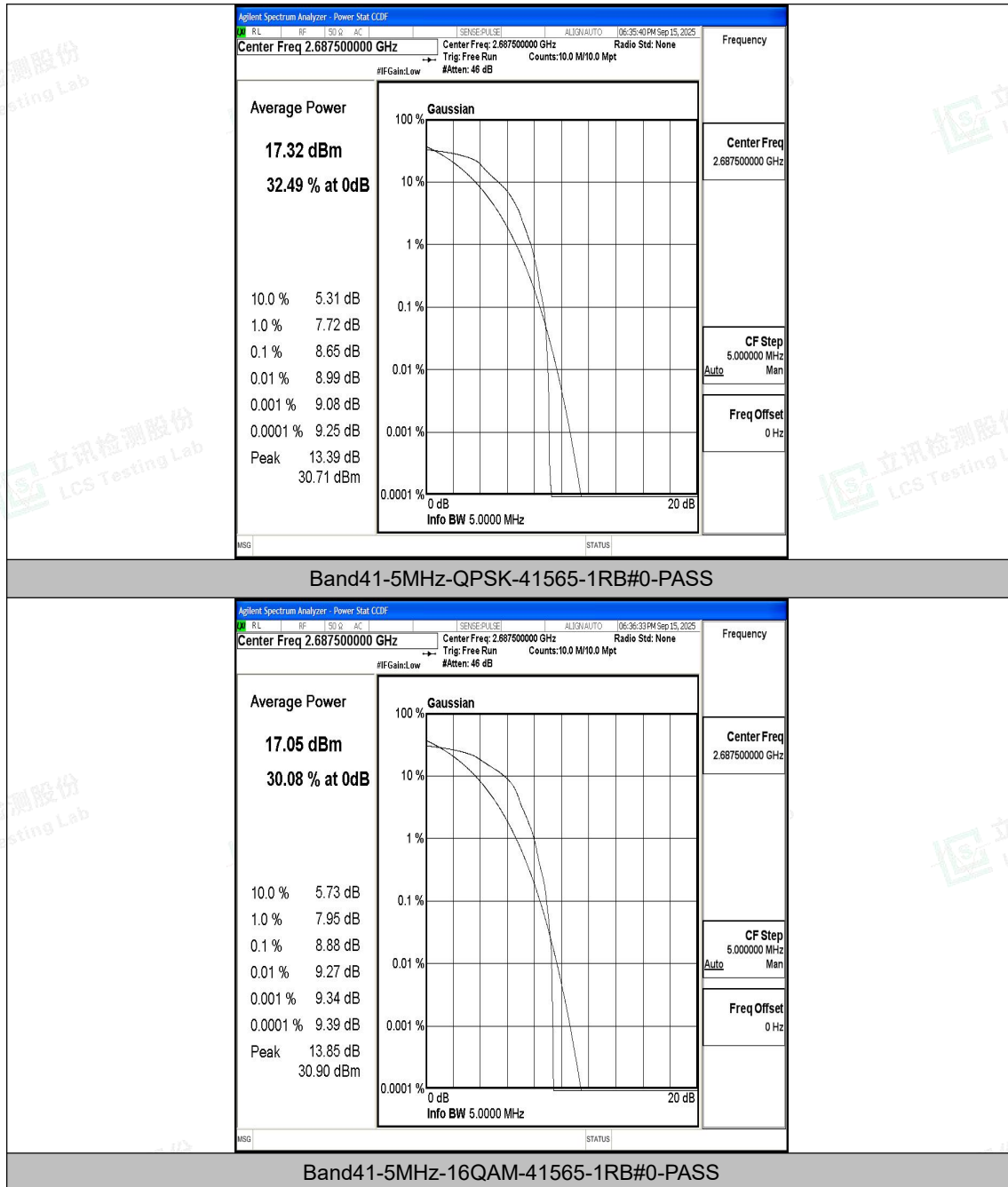


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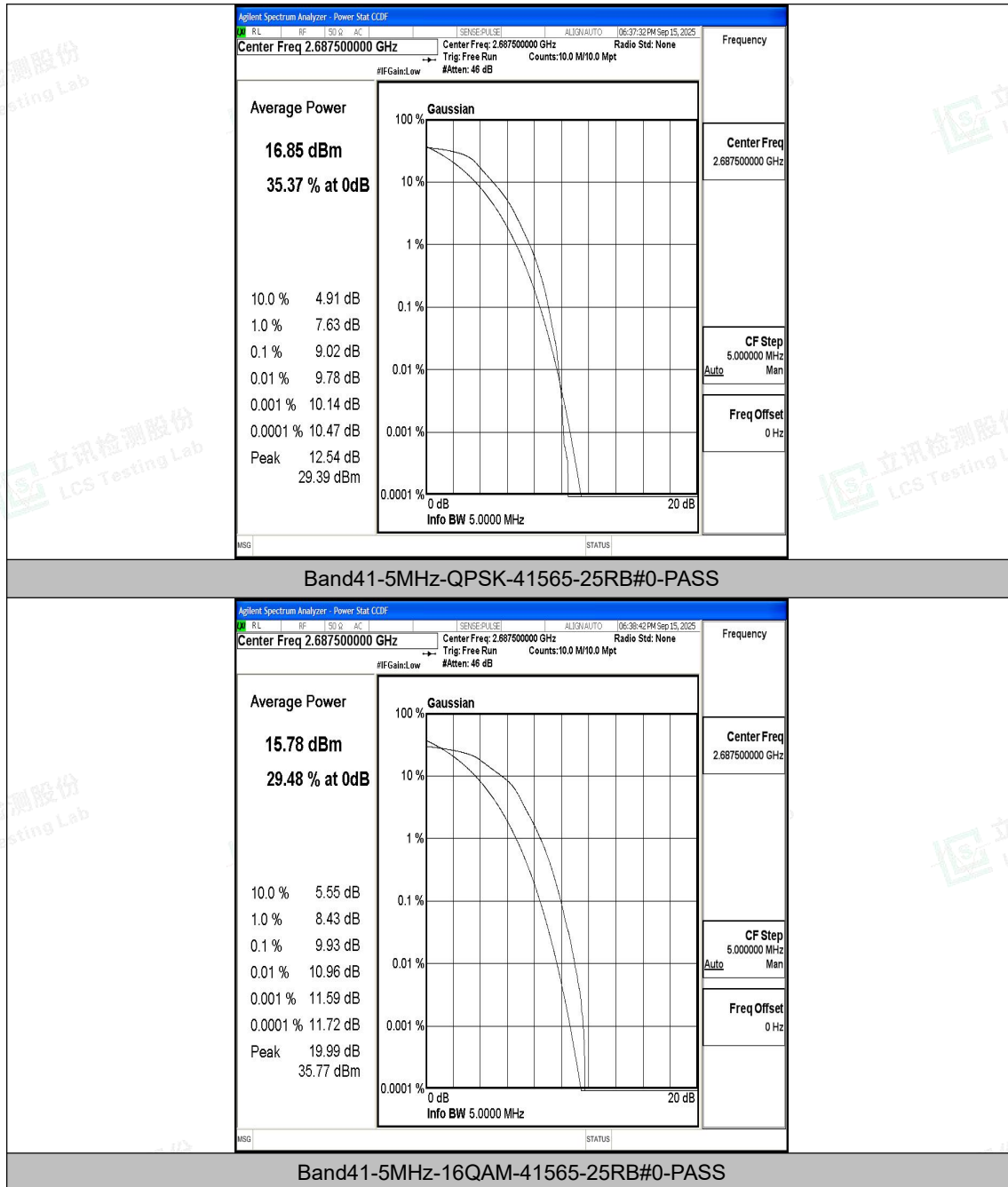


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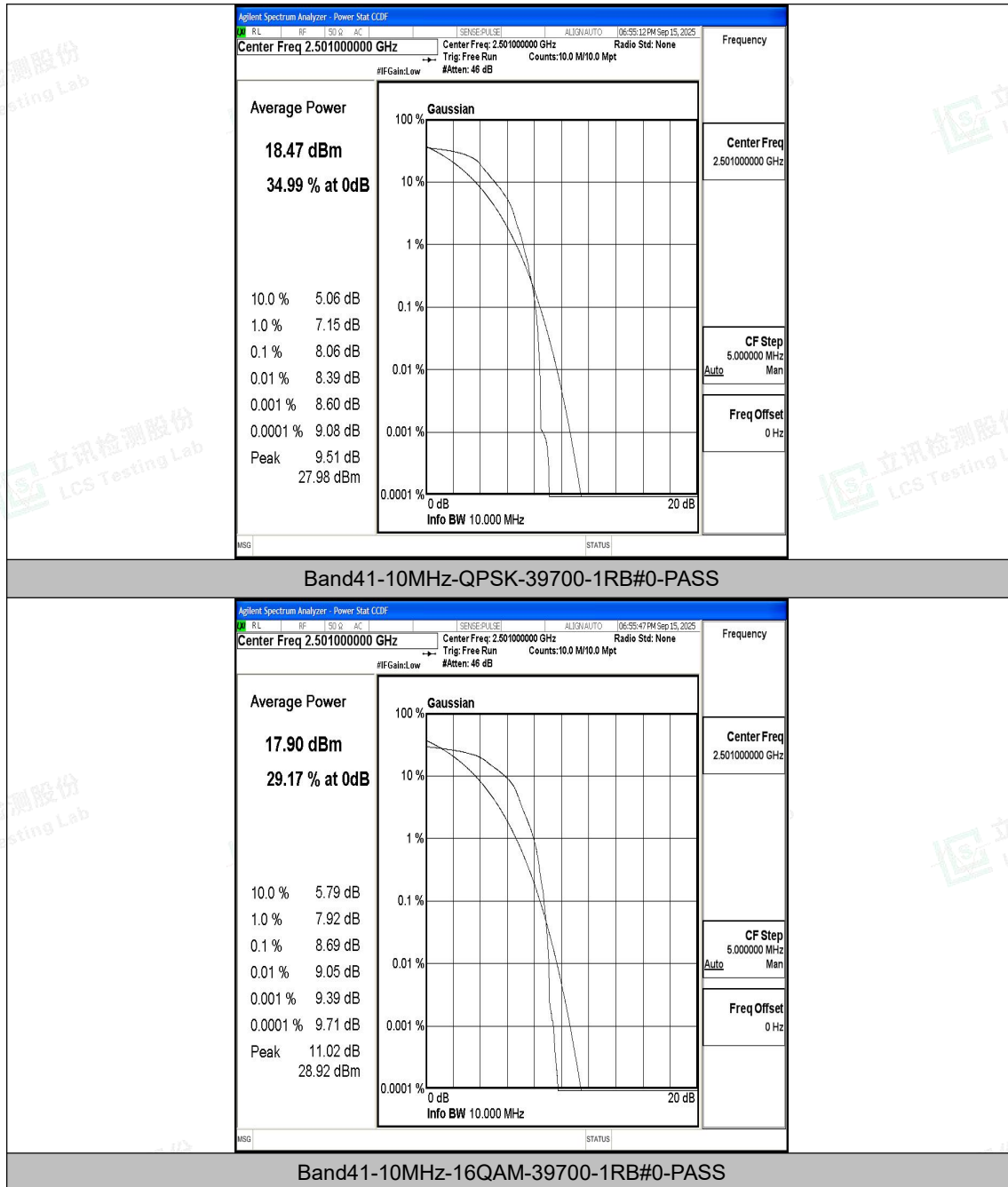


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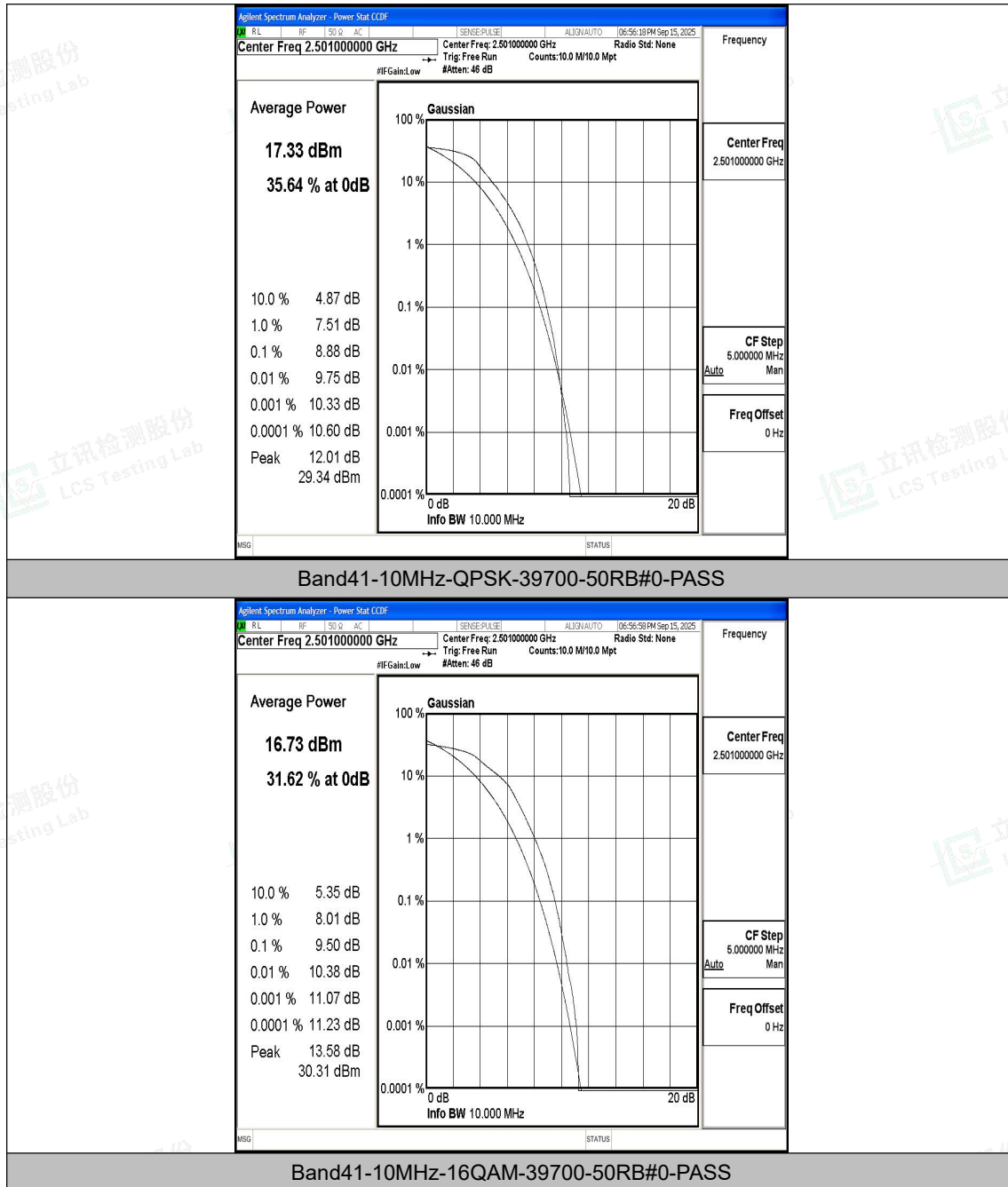


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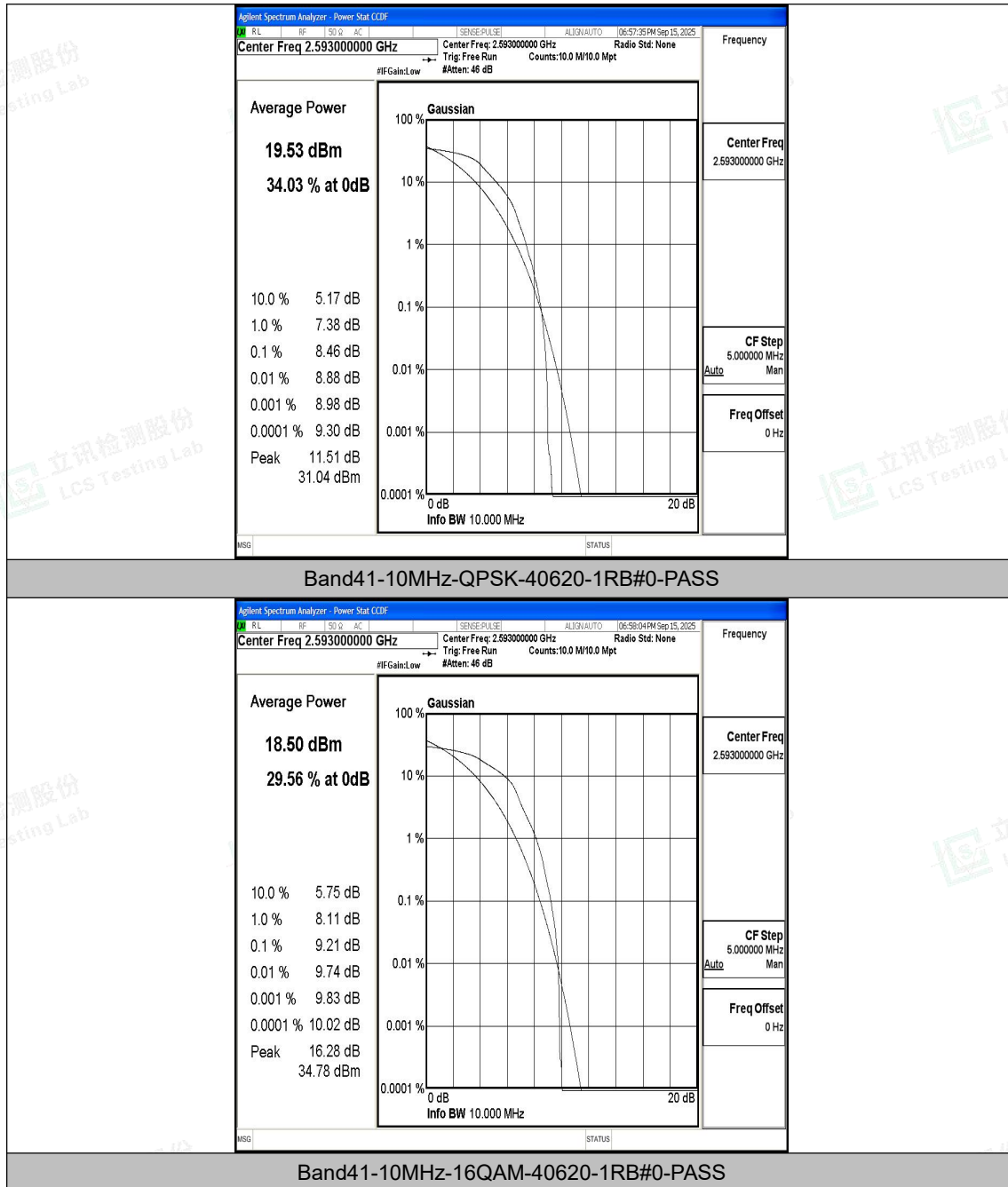


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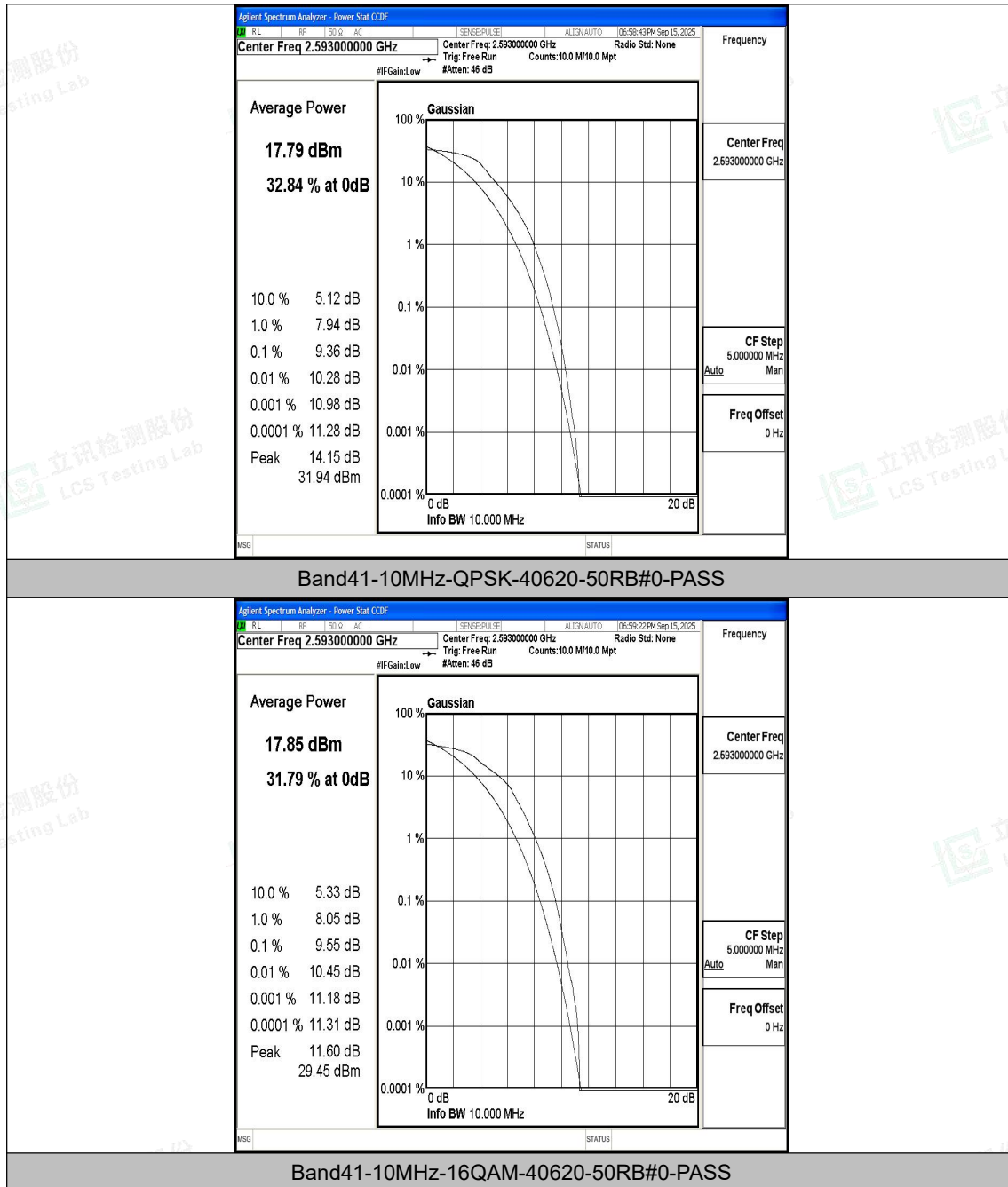


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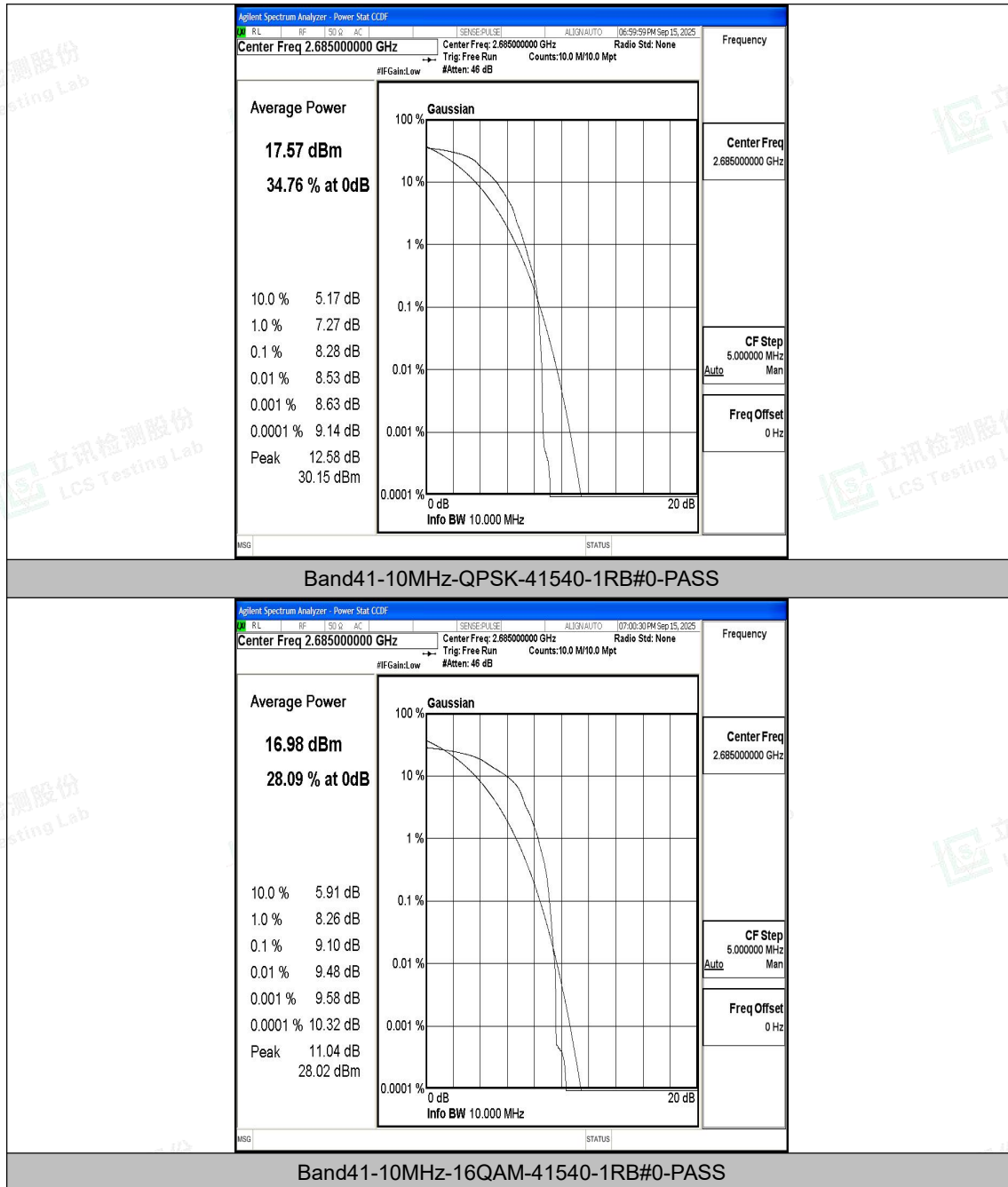


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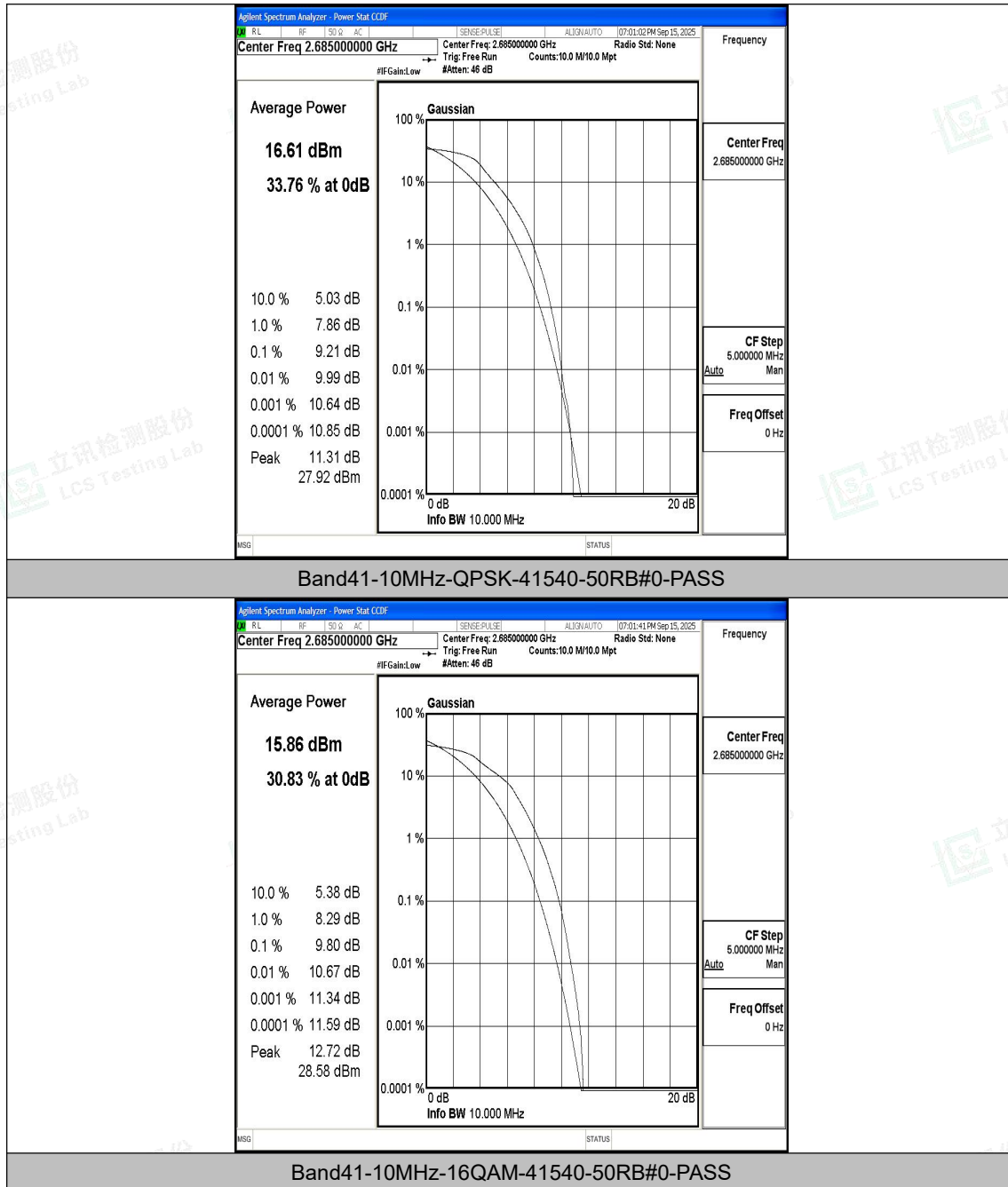


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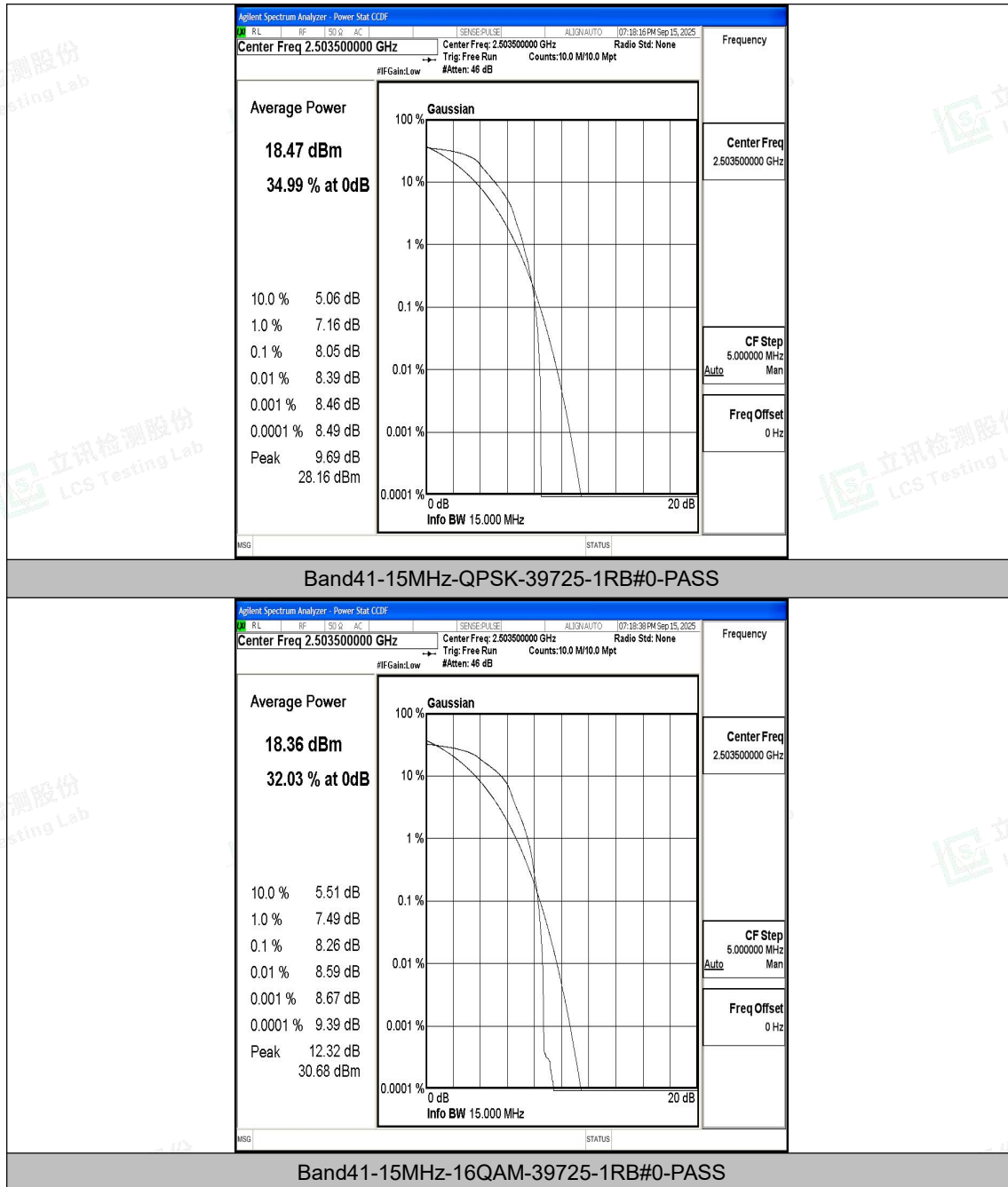


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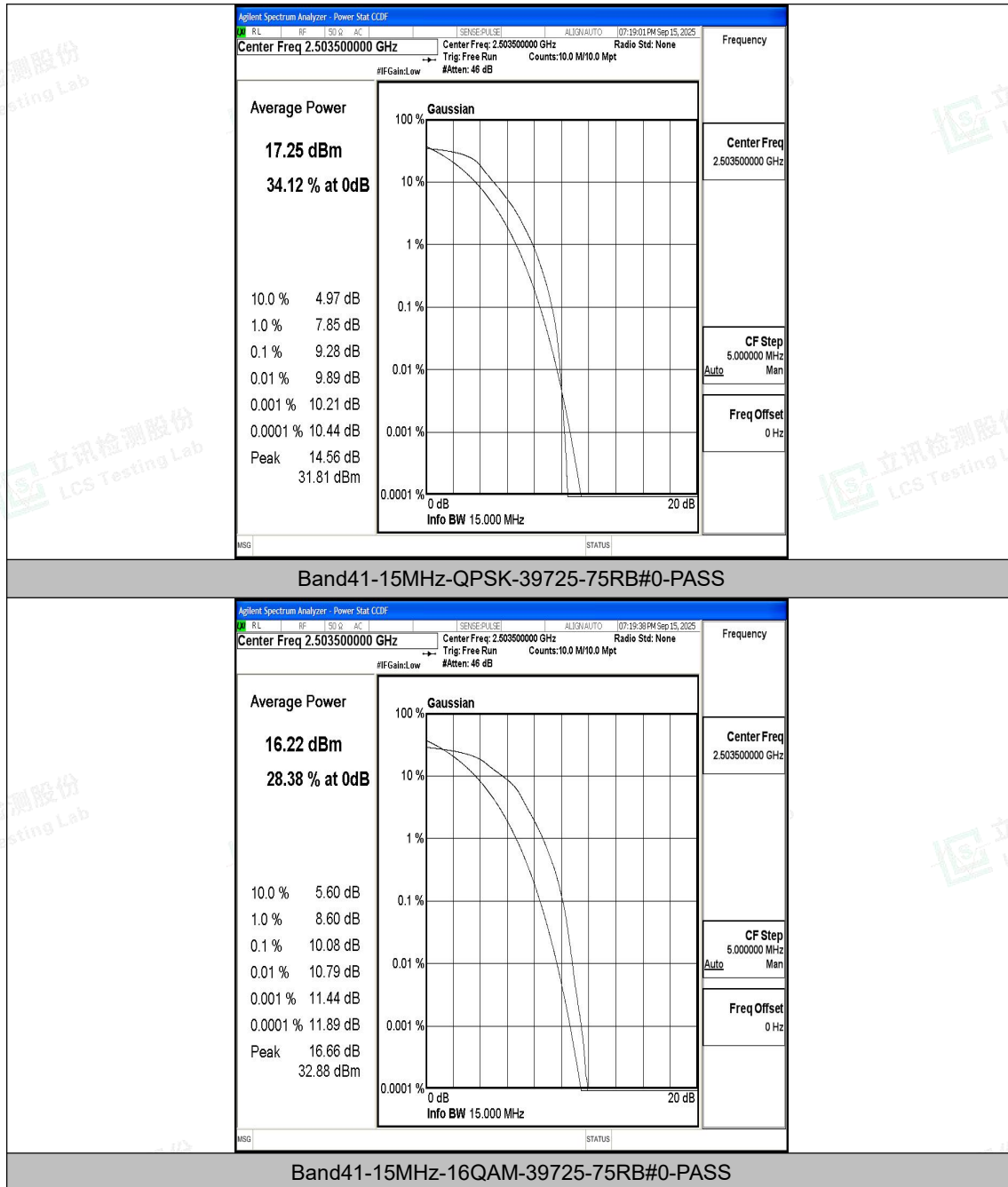


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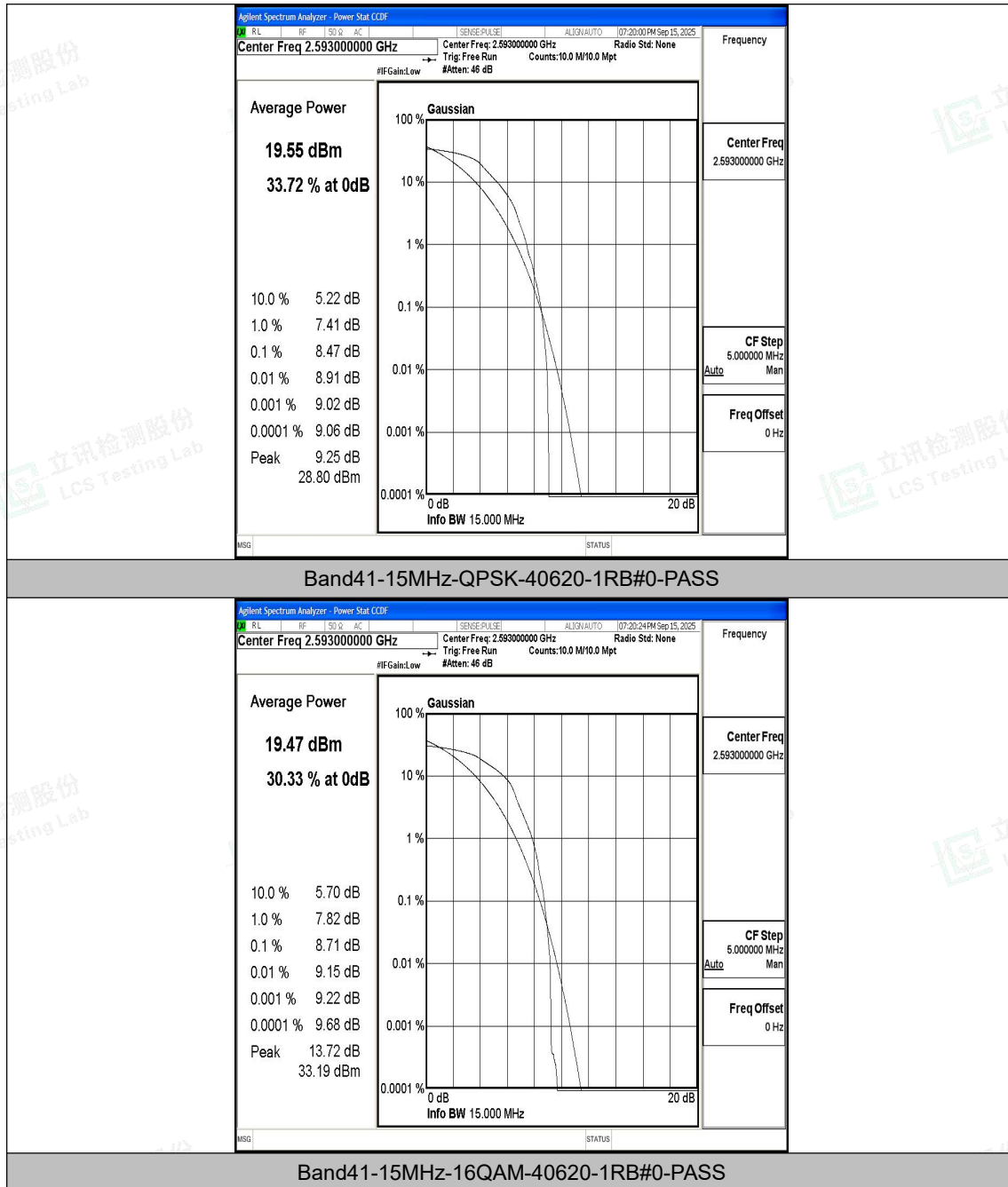


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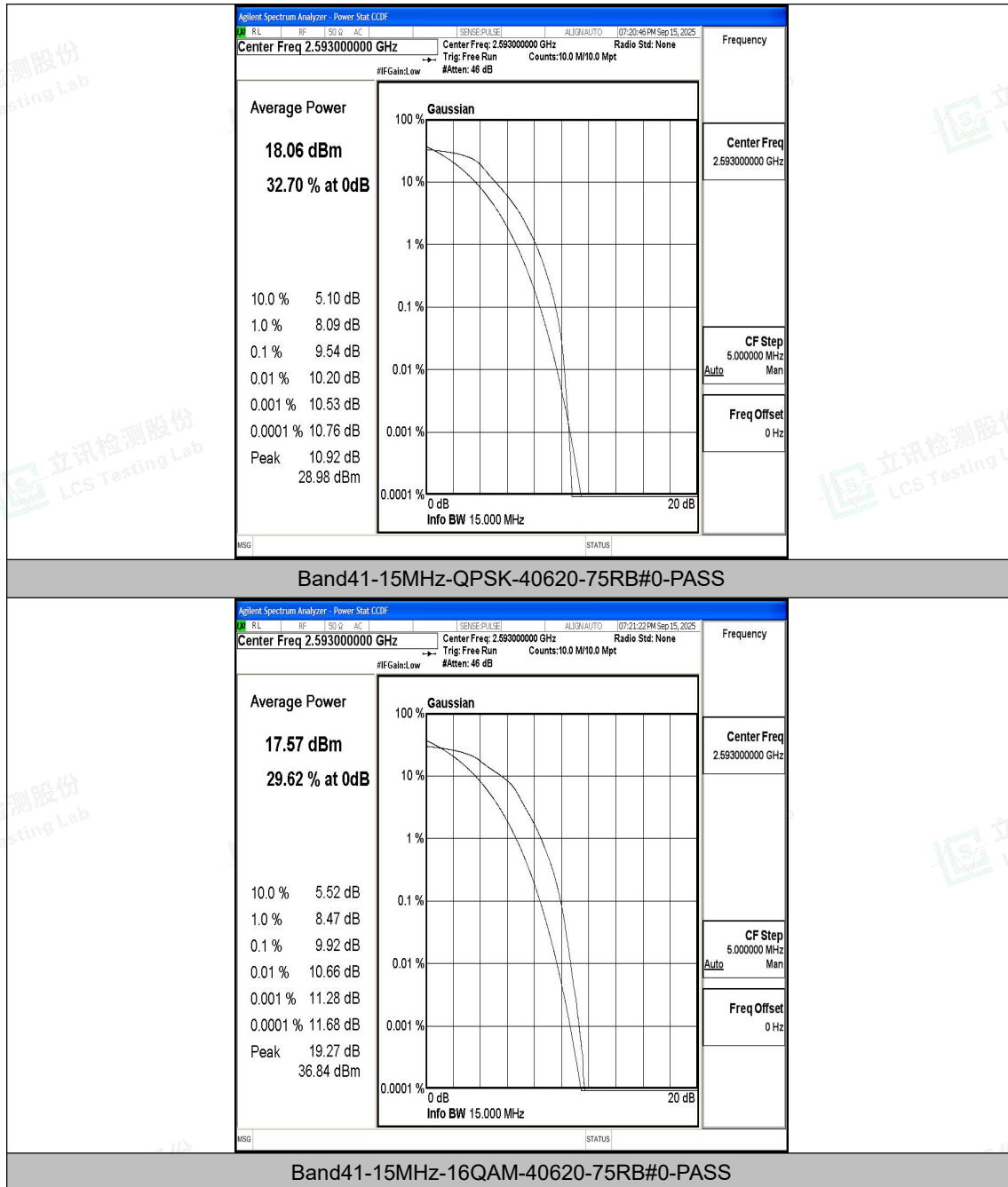


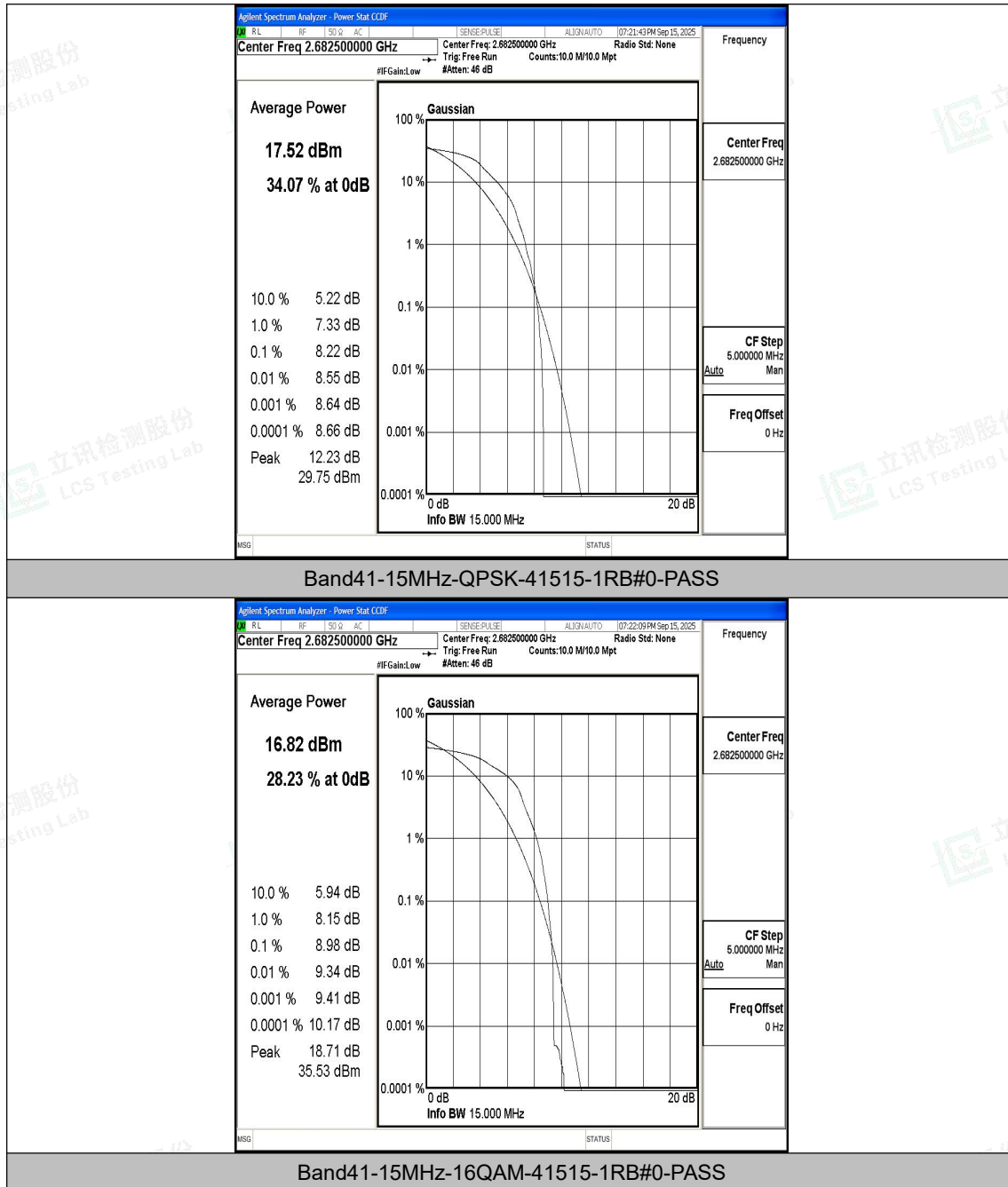
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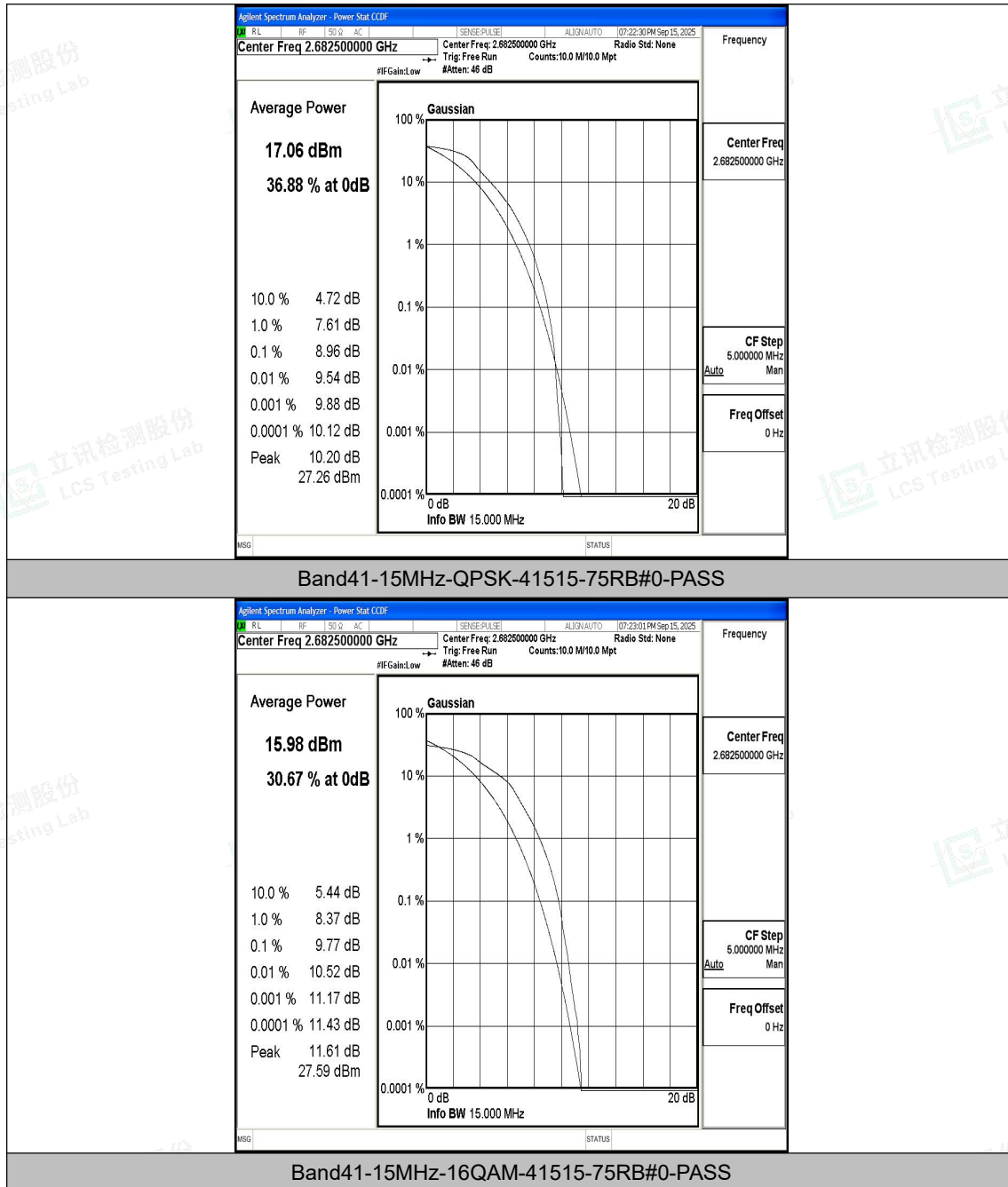


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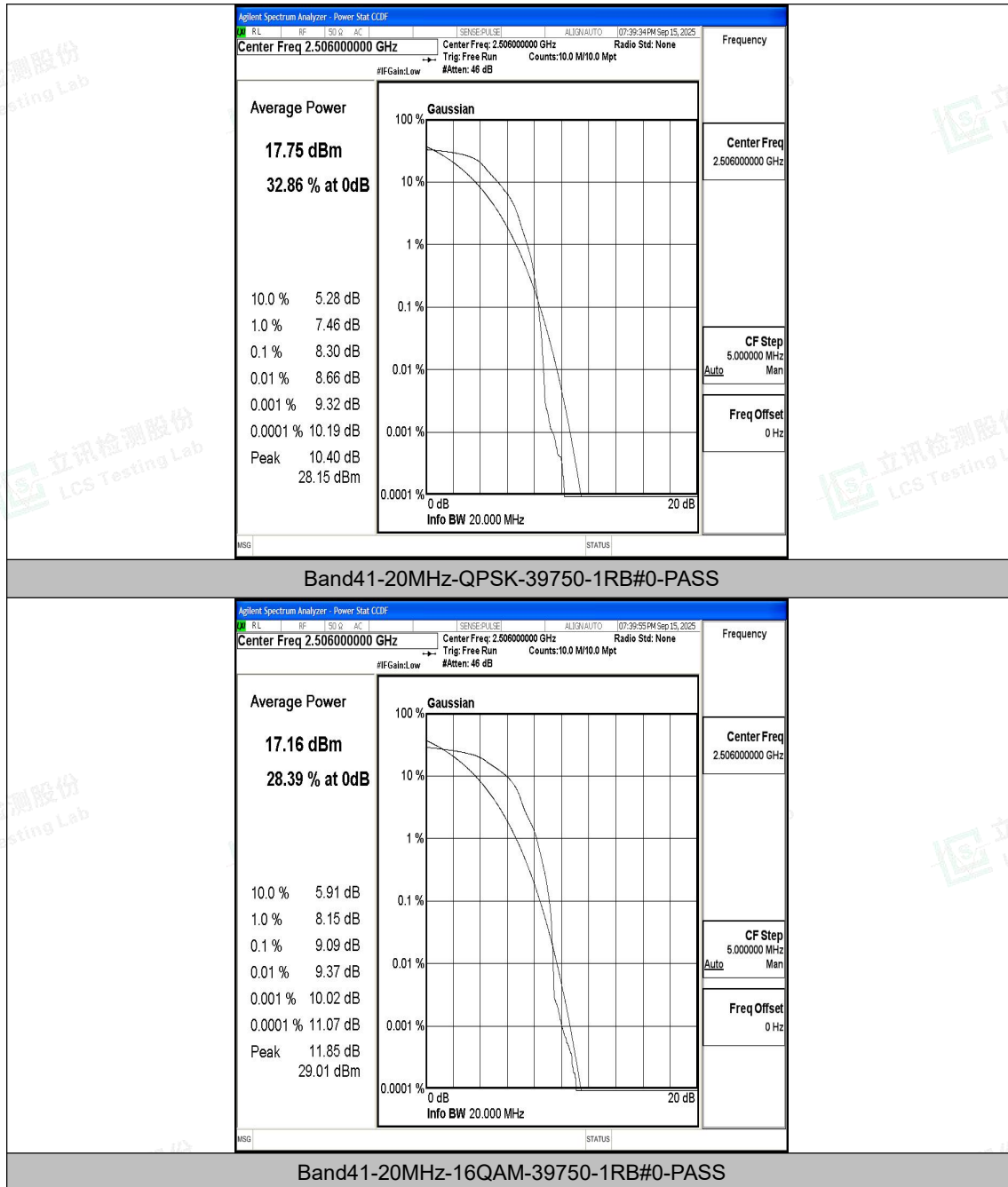


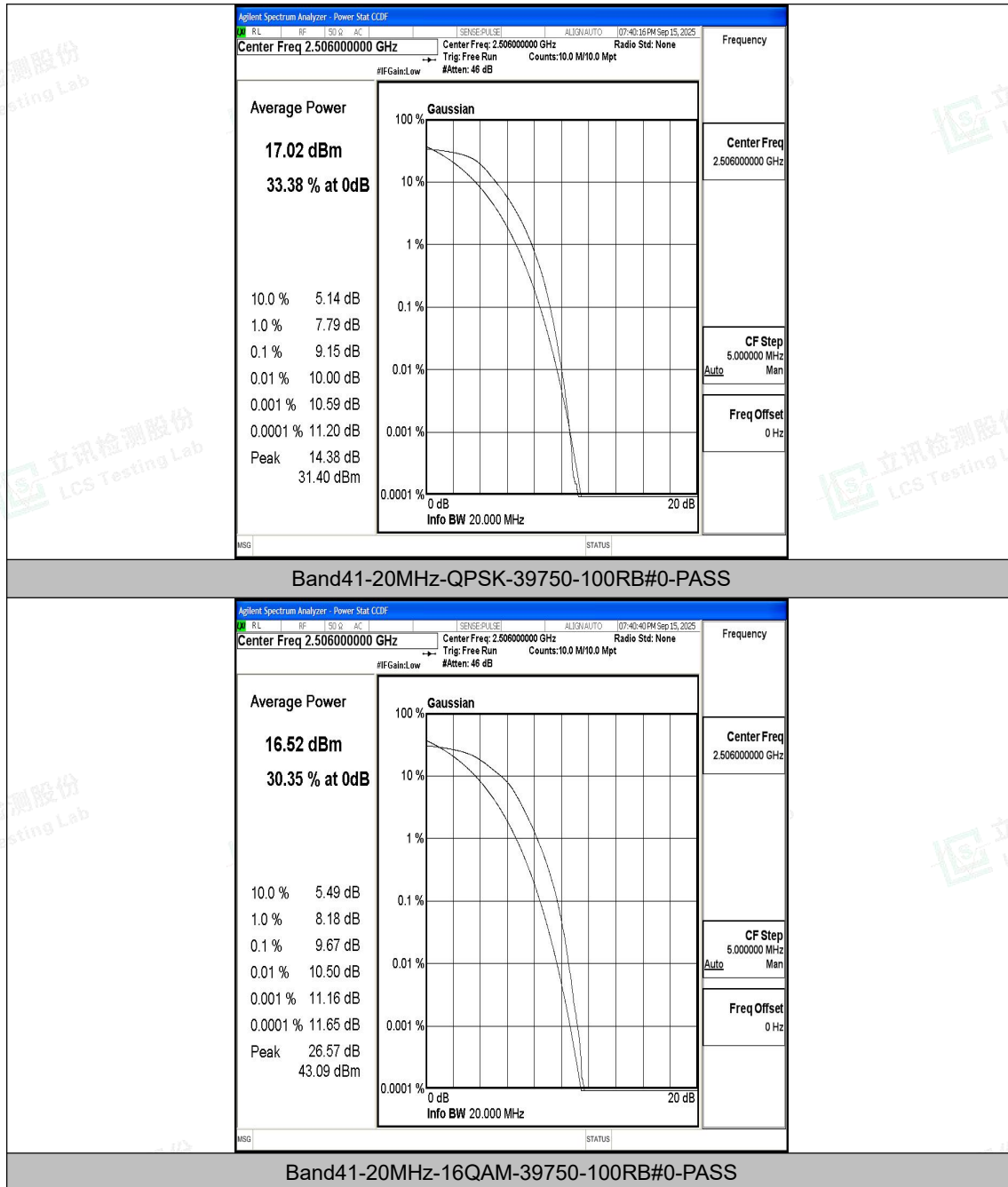
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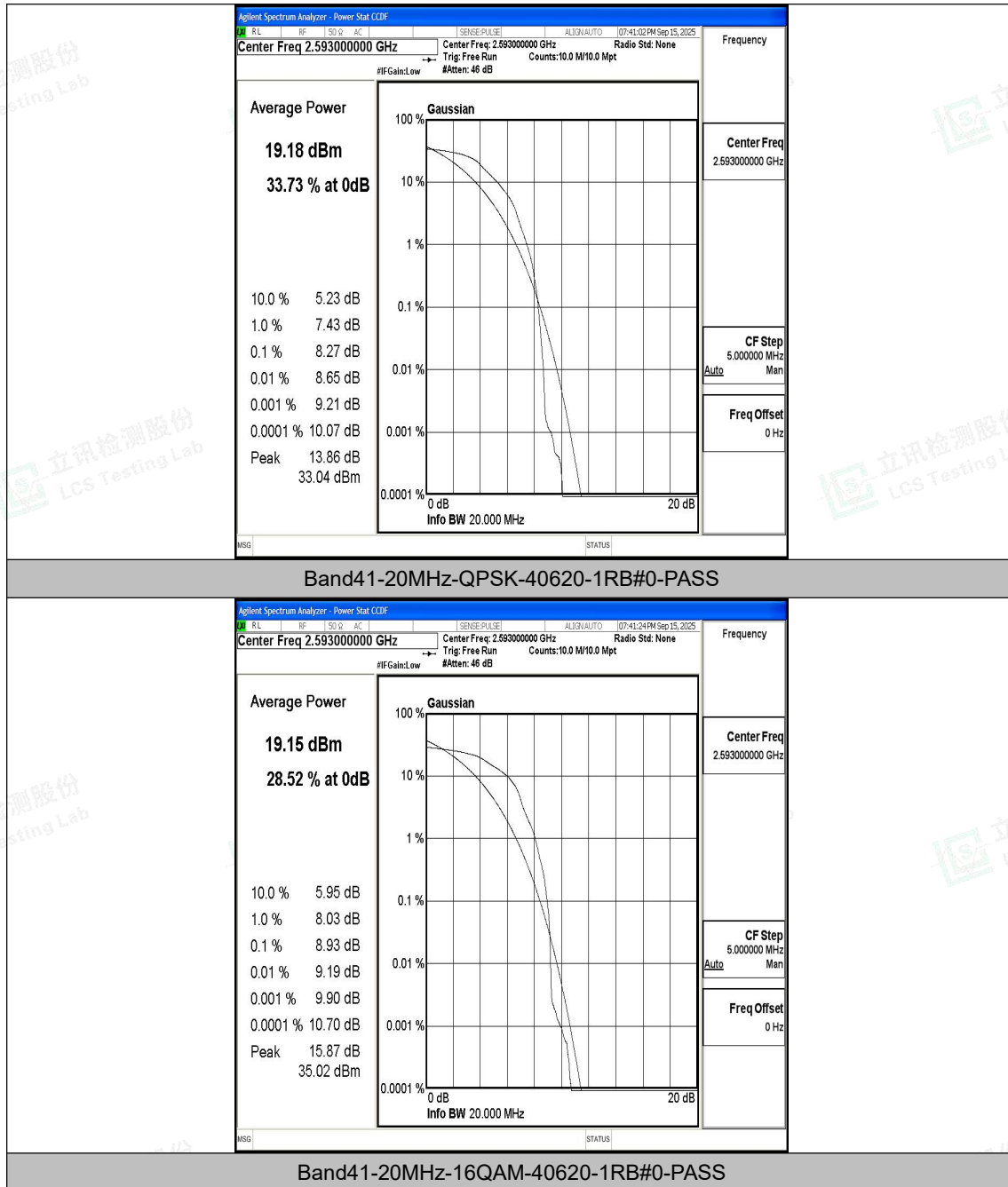


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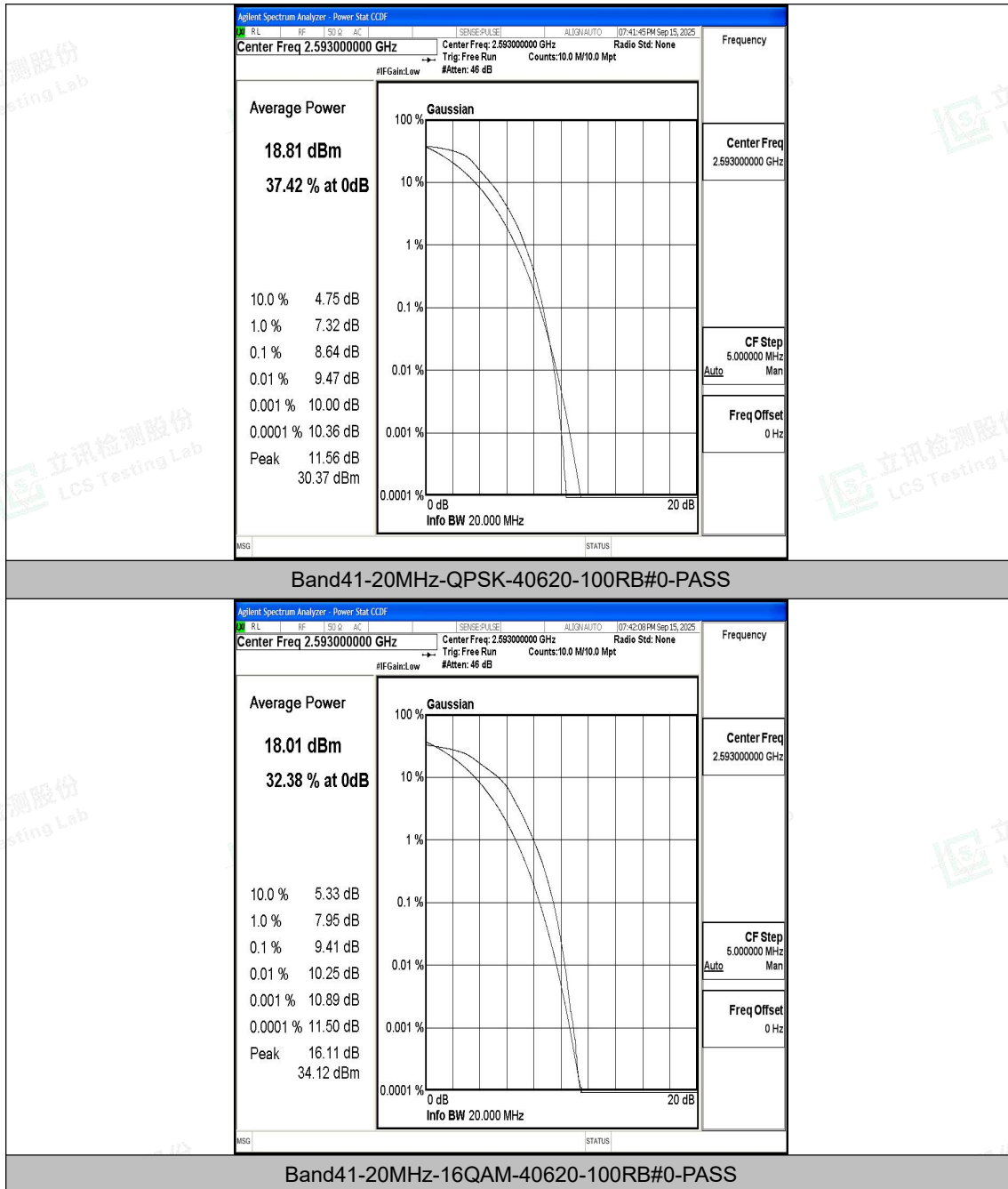


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