



Appendix P: Test Data for E-UTRA Band 38

Product Name: BlueCash-5000

Test Model: BlueCash-5000

Environmental Conditions

Temperature:	23.8° C
Relative Humidity:	52.5%
ATM Pressure:	100.0 kPa
Test Engineer:	Can Kun
Supervised by:	Paddi Chen





P.1 Conducted Output Power Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band38	5MHz	QPSK	37775	1RB#0	21.59	PASS
Band38	5MHz	16QAM	37775	1RB#0	21.61	PASS
Band38	5MHz	QPSK	37775	1RB#12	21.58	PASS
Band38	5MHz	16QAM	37775	1RB#12	22.23	PASS
Band38	5MHz	QPSK	37775	1RB#24	21.56	PASS
Band38	5MHz	16QAM	37775	1RB#24	21.59	PASS
Band38	5MHz	QPSK	37775	12RB#0	20.77	PASS
Band38	5MHz	16QAM	37775	12RB#0	20.14	PASS
Band38	5MHz	QPSK	37775	12RB#6	20.78	PASS
Band38	5MHz	16QAM	37775	12RB#6	20.14	PASS
Band38	5MHz	QPSK	37775	12RB#13	20.71	PASS
Band38	5MHz	16QAM	37775	12RB#13	20.05	PASS
Band38	5MHz	QPSK	37775	25RB#0	20.76	PASS
Band38	5MHz	16QAM	37775	25RB#0	20.14	PASS
Band38	5MHz	QPSK	38000	1RB#0	21.06	PASS
Band38	5MHz	16QAM	38000	1RB#0	20.91	PASS
Band38	5MHz	QPSK	38000	1RB#12	21.02	PASS
Band38	5MHz	16QAM	38000	1RB#12	20.87	PASS
Band38	5MHz	QPSK	38000	1RB#24	21.06	PASS
Band38	5MHz	16QAM	38000	1RB#24	20.89	PASS
Band38	5MHz	QPSK	38000	12RB#0	20.16	PASS
Band38	5MHz	16QAM	38000	12RB#0	19.48	PASS
Band38	5MHz	QPSK	38000	12RB#6	20.14	PASS
Band38	5MHz	16QAM	38000	12RB#6	19.39	PASS
Band38	5MHz	QPSK	38000	12RB#13	20.09	PASS
Band38	5MHz	16QAM	38000	12RB#13	19.32	PASS
Band38	5MHz	QPSK	38000	25RB#0	20.13	PASS
Band38	5MHz	16QAM	38000	25RB#0	19.48	PASS
Band38	5MHz	QPSK	38225	1RB#0	22.00	PASS
Band38	5MHz	16QAM	38225	1RB#0	21.85	PASS
Band38	5MHz	QPSK	38225	1RB#12	21.91	PASS
Band38	5MHz	16QAM	38225	1RB#12	21.67	PASS
Band38	5MHz	QPSK	38225	1RB#24	22.00	PASS
Band38	5MHz	16QAM	38225	1RB#24	21.79	PASS
Band38	5MHz	QPSK	38225	12RB#0	21.22	PASS



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Band38	5MHz	16QAM	38225	12RB#0	20.38	PASS
Band38	5MHz	QPSK	38225	12RB#6	21.17	PASS
Band38	5MHz	16QAM	38225	12RB#6	20.34	PASS
Band38	5MHz	QPSK	38225	12RB#13	21.04	PASS
Band38	5MHz	16QAM	38225	12RB#13	20.43	PASS
Band38	5MHz	QPSK	38225	25RB#0	21.08	PASS
Band38	5MHz	16QAM	38225	25RB#0	20.50	PASS
Band38	10MHz	QPSK	37800	1RB#0	22.90	PASS
Band38	10MHz	16QAM	37800	1RB#0	22.55	PASS
Band38	10MHz	QPSK	37800	1RB#24	22.75	PASS
Band38	10MHz	16QAM	37800	1RB#24	22.53	PASS
Band38	10MHz	QPSK	37800	1RB#49	22.64	PASS
Band38	10MHz	16QAM	37800	1RB#49	22.42	PASS
Band38	10MHz	QPSK	37800	25RB#0	21.43	PASS
Band38	10MHz	16QAM	37800	25RB#0	20.91	PASS
Band38	10MHz	QPSK	37800	25RB#12	21.55	PASS
Band38	10MHz	16QAM	37800	25RB#12	20.91	PASS
Band38	10MHz	QPSK	37800	25RB#25	21.46	PASS
Band38	10MHz	16QAM	37800	25RB#25	20.84	PASS
Band38	10MHz	QPSK	37800	50RB#0	21.50	PASS
Band38	10MHz	16QAM	37800	50RB#0	20.92	PASS
Band38	10MHz	QPSK	38000	1RB#0	22.26	PASS
Band38	10MHz	16QAM	38000	1RB#0	21.96	PASS
Band38	10MHz	QPSK	38000	1RB#24	22.15	PASS
Band38	10MHz	16QAM	38000	1RB#24	21.92	PASS
Band38	10MHz	QPSK	38000	1RB#49	22.19	PASS
Band38	10MHz	16QAM	38000	1RB#49	21.91	PASS
Band38	10MHz	QPSK	38000	25RB#0	21.31	PASS
Band38	10MHz	16QAM	38000	25RB#0	20.91	PASS
Band38	10MHz	QPSK	38000	25RB#12	21.32	PASS
Band38	10MHz	16QAM	38000	25RB#12	20.91	PASS
Band38	10MHz	QPSK	38000	25RB#25	21.40	PASS
Band38	10MHz	16QAM	38000	25RB#25	20.87	PASS
Band38	10MHz	QPSK	38000	50RB#0	21.43	PASS
Band38	10MHz	16QAM	38000	50RB#0	20.64	PASS
Band38	10MHz	QPSK	38200	1RB#0	22.36	PASS
Band38	10MHz	16QAM	38200	1RB#0	22.15	PASS
Band38	10MHz	QPSK	38200	1RB#24	22.23	PASS
Band38	10MHz	16QAM	38200	1RB#24	22.06	PASS
Band38	10MHz	QPSK	38200	1RB#49	22.16	PASS



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Band38	10MHz	16QAM	38200	1RB#49	21.99	PASS
Band38	10MHz	QPSK	38200	25RB#0	21.15	PASS
Band38	10MHz	16QAM	38200	25RB#0	20.54	PASS
Band38	10MHz	QPSK	38200	25RB#12	21.11	PASS
Band38	10MHz	16QAM	38200	25RB#12	20.54	PASS
Band38	10MHz	QPSK	38200	25RB#25	21.11	PASS
Band38	10MHz	16QAM	38200	25RB#25	20.40	PASS
Band38	10MHz	QPSK	38200	50RB#0	21.19	PASS
Band38	10MHz	16QAM	38200	50RB#0	20.41	PASS
Band38	15MHz	QPSK	37825	1RB#0	22.65	PASS
Band38	15MHz	16QAM	37825	1RB#0	22.19	PASS
Band38	15MHz	QPSK	37825	1RB#38	22.67	PASS
Band38	15MHz	16QAM	37825	1RB#38	22.03	PASS
Band38	15MHz	QPSK	37825	1RB#74	22.52	PASS
Band38	15MHz	16QAM	37825	1RB#74	21.88	PASS
Band38	15MHz	QPSK	37825	38RB#0	21.34	PASS
Band38	15MHz	16QAM	37825	38RB#0	21.34	PASS
Band38	15MHz	QPSK	37825	38RB#18	21.35	PASS
Band38	15MHz	16QAM	37825	38RB#18	21.35	PASS
Band38	15MHz	QPSK	37825	38RB#37	21.34	PASS
Band38	15MHz	16QAM	37825	38RB#37	21.34	PASS
Band38	15MHz	QPSK	37825	75RB#0	21.34	PASS
Band38	15MHz	16QAM	37825	75RB#0	20.86	PASS
Band38	15MHz	QPSK	38000	1RB#0	22.92	PASS
Band38	15MHz	16QAM	38000	1RB#0	21.17	PASS
Band38	15MHz	QPSK	38000	1RB#38	22.82	PASS
Band38	15MHz	16QAM	38000	1RB#38	20.82	PASS
Band38	15MHz	QPSK	38000	1RB#74	22.08	PASS
Band38	15MHz	16QAM	38000	1RB#74	21.29	PASS
Band38	15MHz	QPSK	38000	38RB#0	21.19	PASS
Band38	15MHz	16QAM	38000	38RB#0	21.19	PASS
Band38	15MHz	QPSK	38000	38RB#18	21.19	PASS
Band38	15MHz	16QAM	38000	38RB#18	21.19	PASS
Band38	15MHz	QPSK	38000	38RB#37	21.19	PASS
Band38	15MHz	16QAM	38000	38RB#37	21.19	PASS
Band38	15MHz	QPSK	38000	75RB#0	21.19	PASS
Band38	15MHz	16QAM	38000	75RB#0	20.63	PASS
Band38	15MHz	QPSK	38175	1RB#0	22.39	PASS
Band38	15MHz	16QAM	38175	1RB#0	22.17	PASS
Band38	15MHz	QPSK	38175	1RB#38	22.29	PASS



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Band38	15MHz	16QAM	38175	1RB#38	22.11	PASS
Band38	15MHz	QPSK	38175	1RB#74	22.23	PASS
Band38	15MHz	16QAM	38175	1RB#74	22.06	PASS
Band38	15MHz	QPSK	38175	38RB#0	21.18	PASS
Band38	15MHz	16QAM	38175	38RB#0	20.99	PASS
Band38	15MHz	QPSK	38175	38RB#18	20.99	PASS
Band38	15MHz	16QAM	38175	38RB#18	20.99	PASS
Band38	15MHz	QPSK	38175	38RB#37	20.98	PASS
Band38	15MHz	16QAM	38175	38RB#37	20.99	PASS
Band38	15MHz	QPSK	38175	75RB#0	20.99	PASS
Band38	15MHz	16QAM	38175	75RB#0	20.44	PASS
Band38	20MHz	QPSK	37850	1RB#0	22.19	PASS
Band38	20MHz	16QAM	37850	1RB#0	21.89	PASS
Band38	20MHz	QPSK	37850	1RB#49	22.19	PASS
Band38	20MHz	16QAM	37850	1RB#49	21.82	PASS
Band38	20MHz	QPSK	37850	1RB#99	22.03	PASS
Band38	20MHz	16QAM	37850	1RB#99	21.76	PASS
Band38	20MHz	QPSK	37850	50RB#0	21.47	PASS
Band38	20MHz	16QAM	37850	50RB#0	21.05	PASS
Band38	20MHz	QPSK	37850	50RB#25	21.48	PASS
Band38	20MHz	16QAM	37850	50RB#25	21.11	PASS
Band38	20MHz	QPSK	37850	50RB#50	21.35	PASS
Band38	20MHz	16QAM	37850	50RB#50	20.91	PASS
Band38	20MHz	QPSK	37850	100RB#0	21.54	PASS
Band38	20MHz	16QAM	37850	100RB#0	20.83	PASS
Band38	20MHz	QPSK	38000	1RB#0	22.29	PASS
Band38	20MHz	16QAM	38000	1RB#0	21.86	PASS
Band38	20MHz	QPSK	38000	1RB#49	22.49	PASS
Band38	20MHz	16QAM	38000	1RB#49	21.59	PASS
Band38	20MHz	QPSK	38000	1RB#99	22.38	PASS
Band38	20MHz	16QAM	38000	1RB#99	21.61	PASS
Band38	20MHz	QPSK	38000	50RB#0	21.40	PASS
Band38	20MHz	16QAM	38000	50RB#0	20.72	PASS
Band38	20MHz	QPSK	38000	50RB#25	21.37	PASS
Band38	20MHz	16QAM	38000	50RB#25	20.72	PASS
Band38	20MHz	QPSK	38000	50RB#50	21.32	PASS
Band38	20MHz	16QAM	38000	50RB#50	20.81	PASS
Band38	20MHz	QPSK	38000	100RB#0	21.33	PASS
Band38	20MHz	16QAM	38000	100RB#0	20.81	PASS
Band38	20MHz	QPSK	38150	1RB#0	22.20	PASS



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Band38	20MHz	16QAM	38150	1RB#0	22.47	PASS
Band38	20MHz	QPSK	38150	1RB#49	21.99	PASS
Band38	20MHz	16QAM	38150	1RB#49	22.24	PASS
Band38	20MHz	QPSK	38150	1RB#99	21.98	PASS
Band38	20MHz	16QAM	38150	1RB#99	22.05	PASS
Band38	20MHz	QPSK	38150	50RB#0	21.28	PASS
Band38	20MHz	16QAM	38150	50RB#0	20.81	PASS
Band38	20MHz	QPSK	38150	50RB#25	21.29	PASS
Band38	20MHz	16QAM	38150	50RB#25	20.81	PASS
Band38	20MHz	QPSK	38150	50RB#50	21.25	PASS
Band38	20MHz	16QAM	38150	50RB#50	20.58	PASS
Band38	20MHz	QPSK	38150	100RB#0	21.22	PASS
Band38	20MHz	16QAM	38150	100RB#0	20.61	PASS





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

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band38	5MHz	QPSK	37775	1RB#0	8.43	13	PASS
Band38	5MHz	16QAM	37775	1RB#0	8.77	13	PASS
Band38	5MHz	QPSK	37775	25RB#0	9.06	13	PASS
Band38	5MHz	16QAM	37775	25RB#0	9.50	13	PASS
Band38	5MHz	QPSK	38000	1RB#0	8.41	13	PASS
Band38	5MHz	16QAM	38000	1RB#0	9.11	13	PASS
Band38	5MHz	QPSK	38000	25RB#0	9.23	13	PASS
Band38	5MHz	16QAM	38000	25RB#0	9.61	13	PASS
Band38	5MHz	QPSK	38225	1RB#0	8.18	13	PASS
Band38	5MHz	16QAM	38225	1RB#0	8.63	13	PASS
Band38	5MHz	QPSK	38225	25RB#0	9.17	13	PASS
Band38	5MHz	16QAM	38225	25RB#0	9.61	13	PASS
Band38	10MHz	QPSK	37800	1RB#0	8.46	13	PASS
Band38	10MHz	16QAM	37800	1RB#0	8.63	13	PASS
Band38	10MHz	QPSK	37800	50RB#0	9.15	13	PASS
Band38	10MHz	16QAM	37800	50RB#0	9.71	13	PASS
Band38	10MHz	QPSK	38000	1RB#0	8.69	13	PASS
Band38	10MHz	16QAM	38000	1RB#0	8.80	13	PASS
Band38	10MHz	QPSK	38000	50RB#0	9.29	13	PASS
Band38	10MHz	16QAM	38000	50RB#0	9.81	13	PASS
Band38	10MHz	QPSK	38200	1RB#0	8.64	13	PASS
Band38	10MHz	16QAM	38200	1RB#0	8.68	13	PASS
Band38	10MHz	QPSK	38200	50RB#0	8.85	13	PASS
Band38	10MHz	16QAM	38200	50RB#0	9.70	13	PASS
Band38	15MHz	QPSK	37825	1RB#0	8.54	13	PASS
Band38	15MHz	16QAM	37825	1RB#0	8.20	13	PASS
Band38	15MHz	QPSK	37825	75RB#0	9.34	13	PASS
Band38	15MHz	16QAM	37825	75RB#0	9.91	13	PASS
Band38	15MHz	QPSK	38000	1RB#0	8.21	13	PASS
Band38	15MHz	16QAM	38000	1RB#0	8.74	13	PASS
Band38	15MHz	QPSK	38000	75RB#0	9.50	13	PASS
Band38	15MHz	16QAM	38000	75RB#0	9.84	13	PASS
Band38	15MHz	QPSK	38175	1RB#0	8.36	13	PASS
Band38	15MHz	16QAM	38175	1RB#0	9.29	13	PASS



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Band38	15MHz	QPSK	38175	75RB#0	9.26	13	PASS
Band38	15MHz	16QAM	38175	75RB#0	9.69	13	PASS
Band38	20MHz	QPSK	37850	1RB#0	8.39	13	PASS
Band38	20MHz	16QAM	37850	1RB#0	8.76	13	PASS
Band38	20MHz	QPSK	37850	100RB#0	9.10	13	PASS
Band38	20MHz	16QAM	37850	100RB#0	9.57	13	PASS
Band38	20MHz	QPSK	38000	1RB#0	8.38	13	PASS
Band38	20MHz	16QAM	38000	1RB#0	9.00	13	PASS
Band38	20MHz	QPSK	38000	100RB#0	8.81	13	PASS
Band38	20MHz	16QAM	38000	100RB#0	9.68	13	PASS
Band38	20MHz	QPSK	38150	1RB#0	8.44	13	PASS
Band38	20MHz	16QAM	38150	1RB#0	9.13	13	PASS
Band38	20MHz	QPSK	38150	100RB#0	9.09	13	PASS
Band38	20MHz	16QAM	38150	100RB#0	9.61	13	PASS



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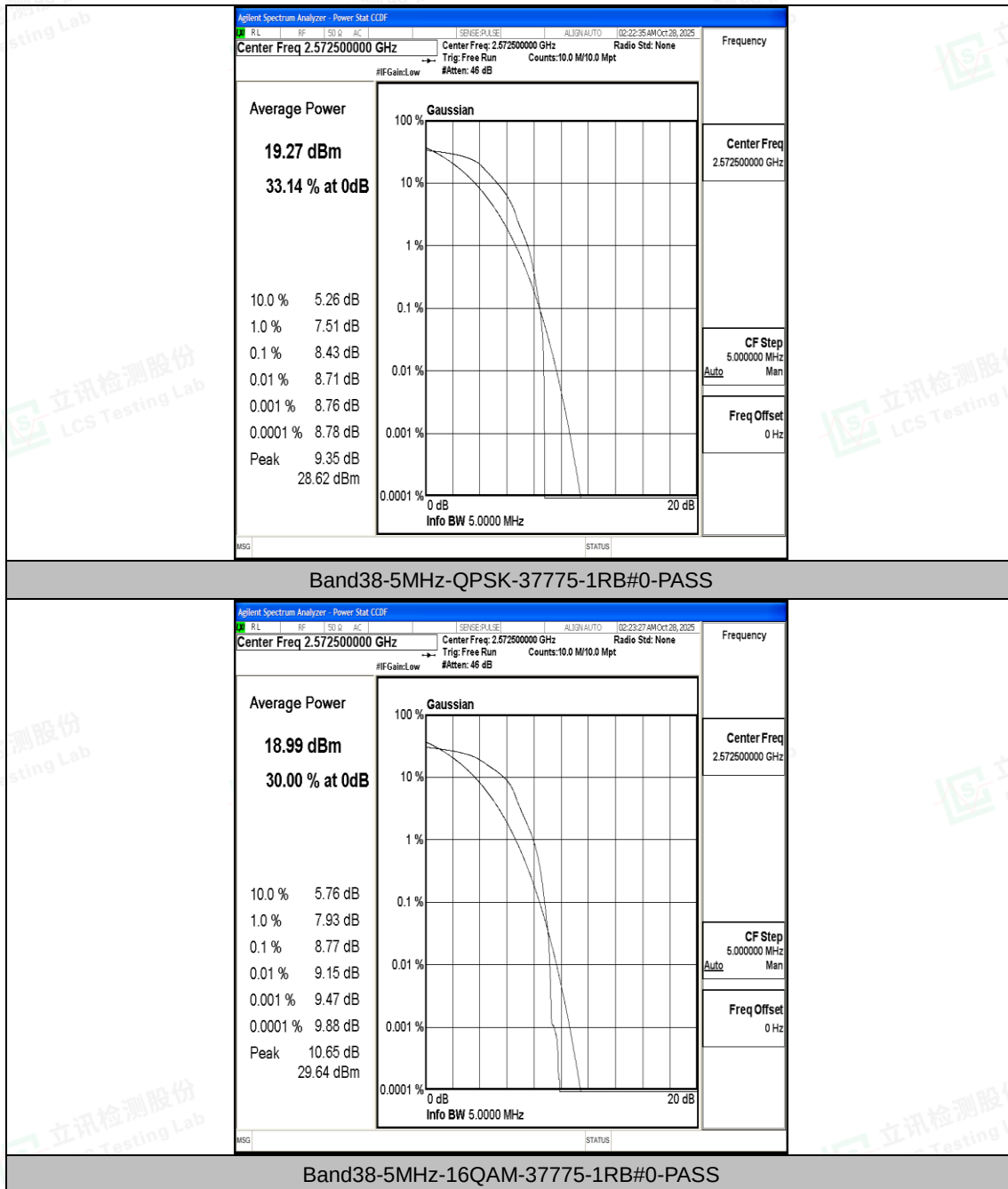
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Test Graphs

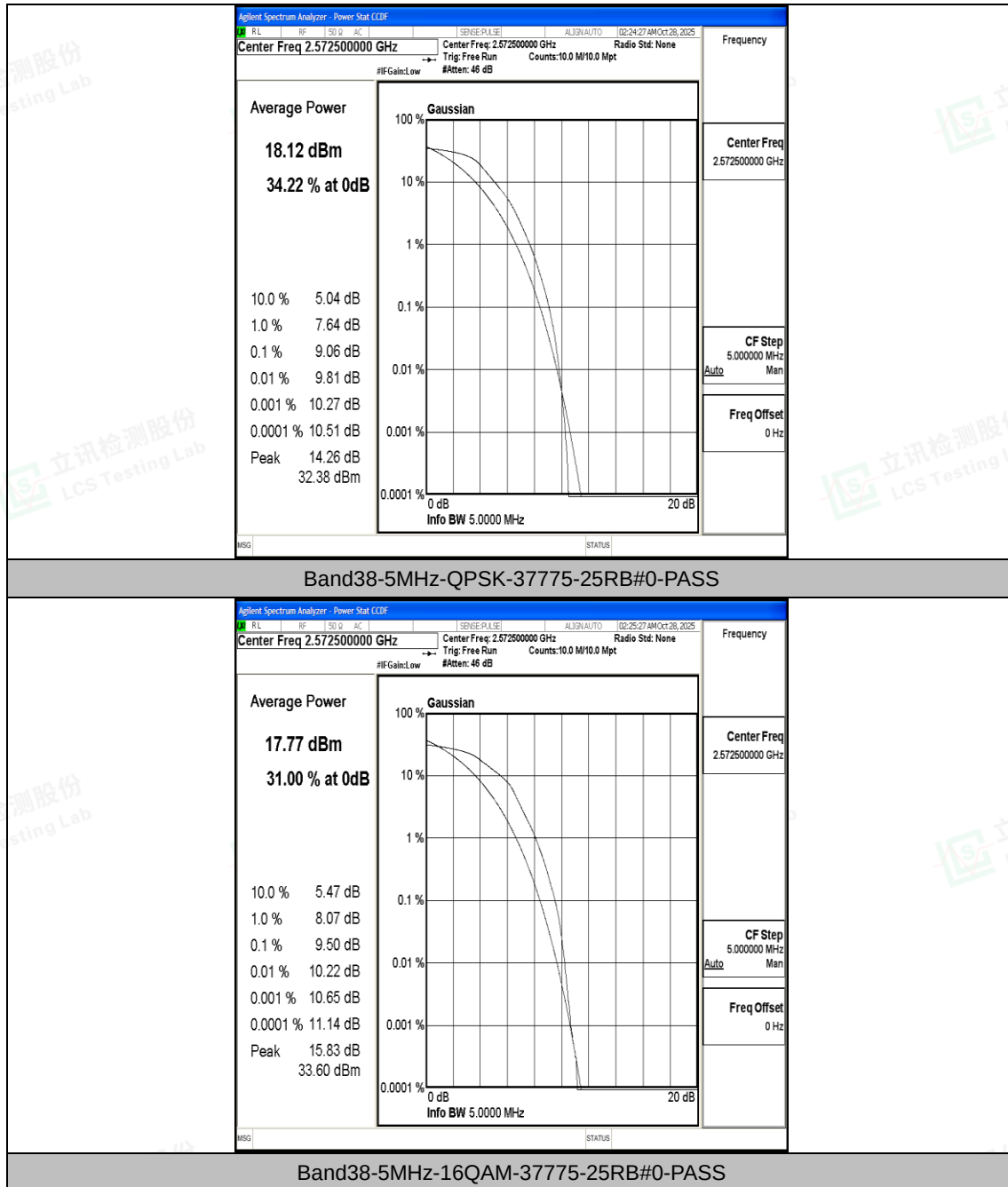


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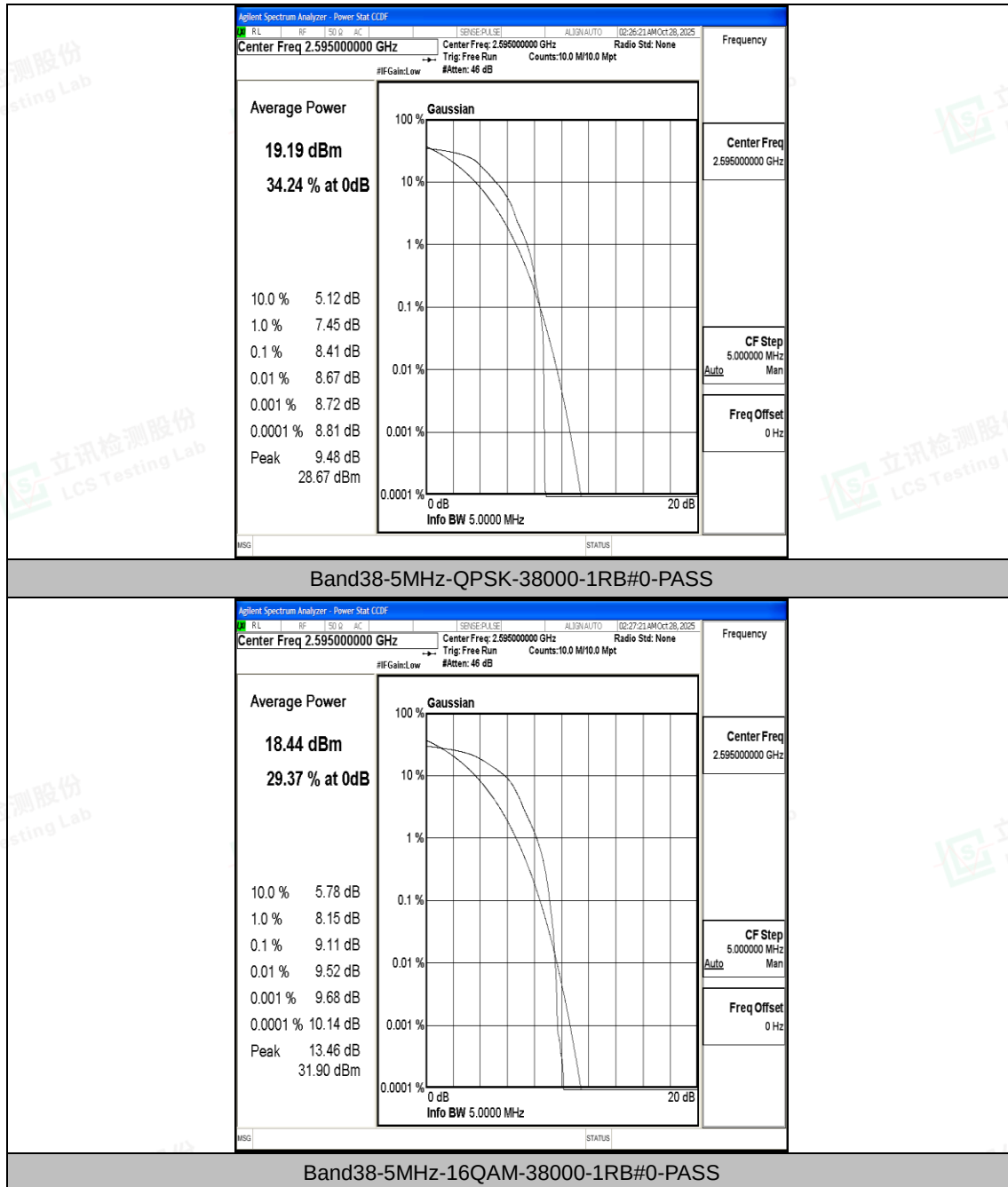


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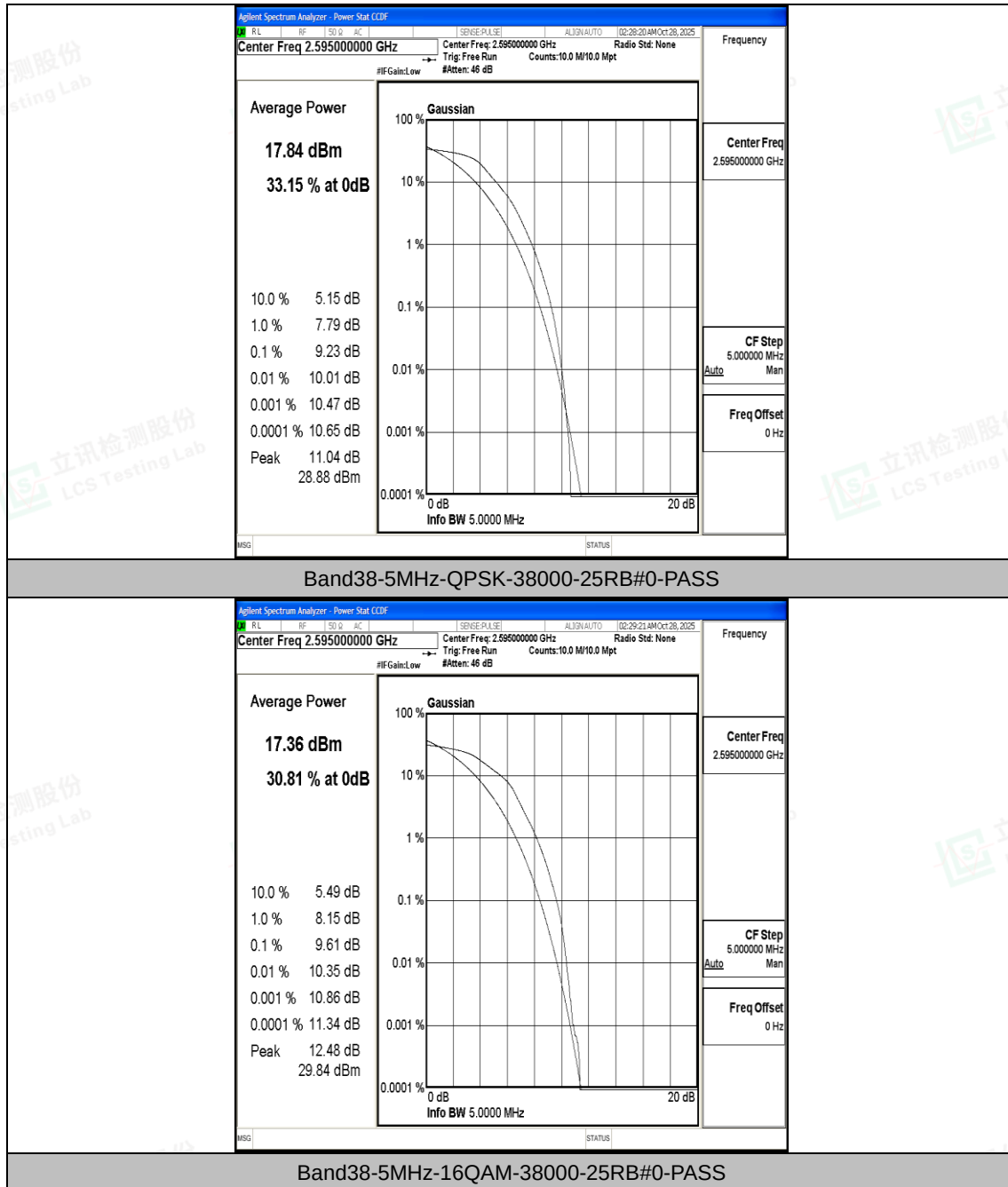


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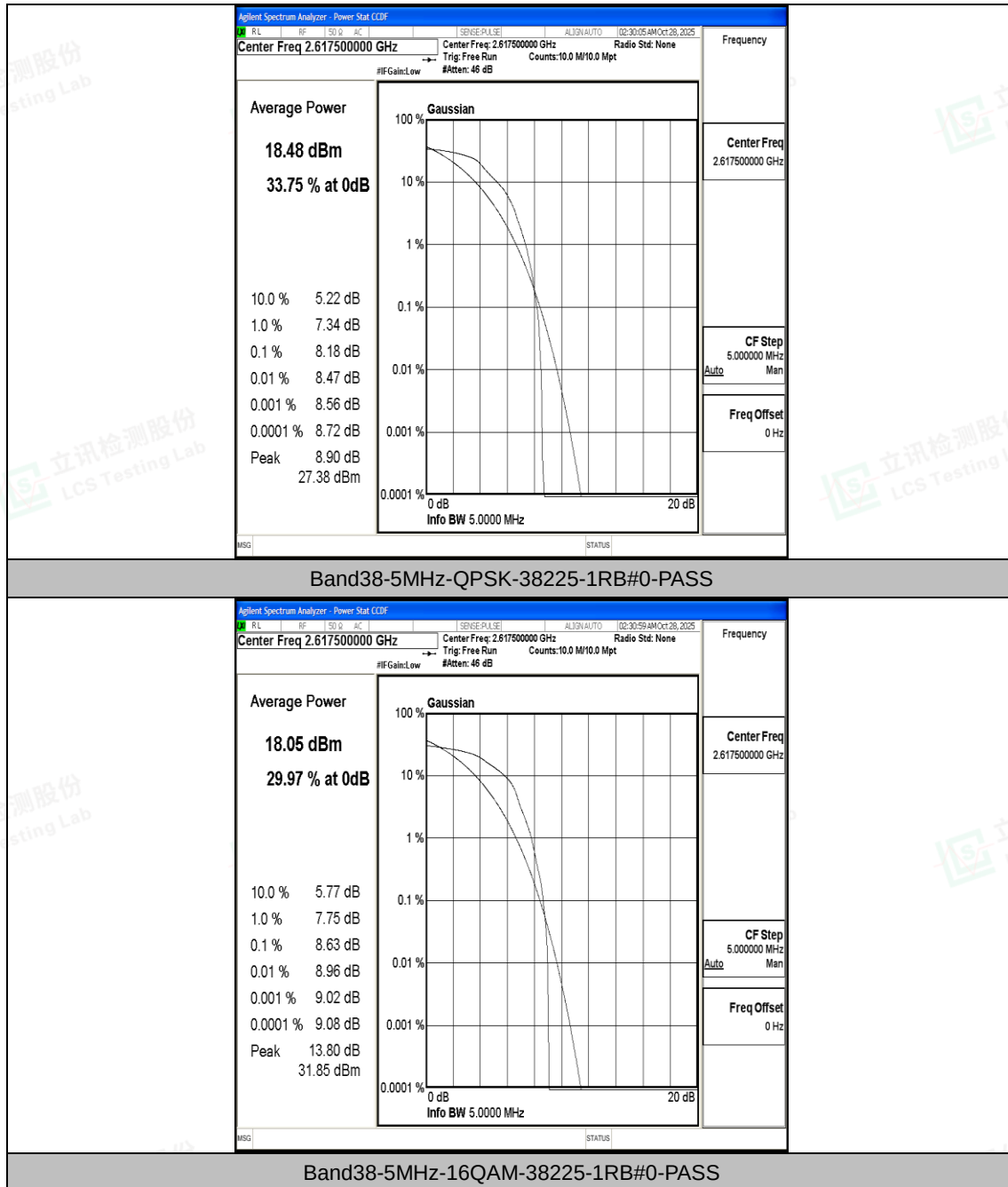


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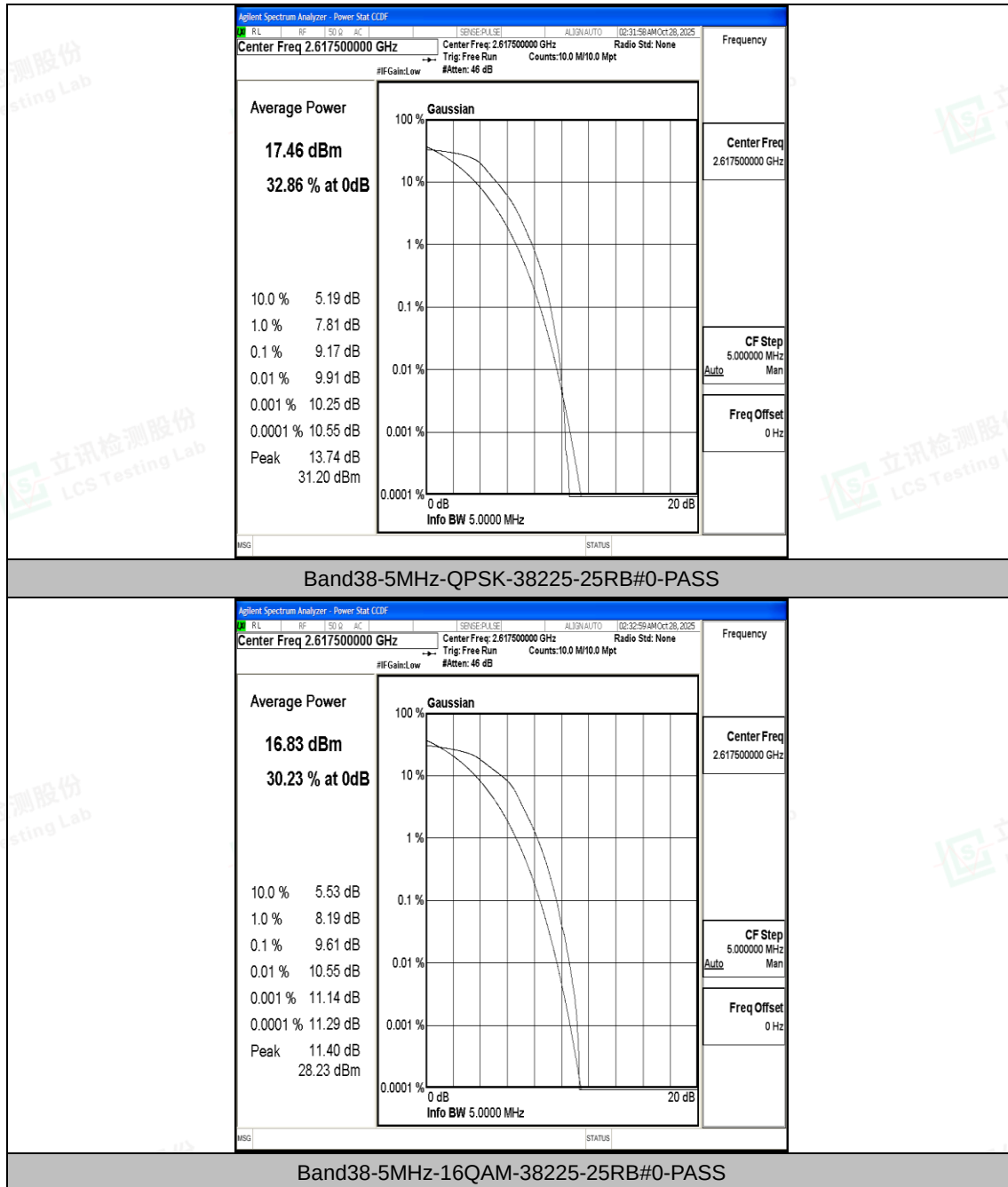


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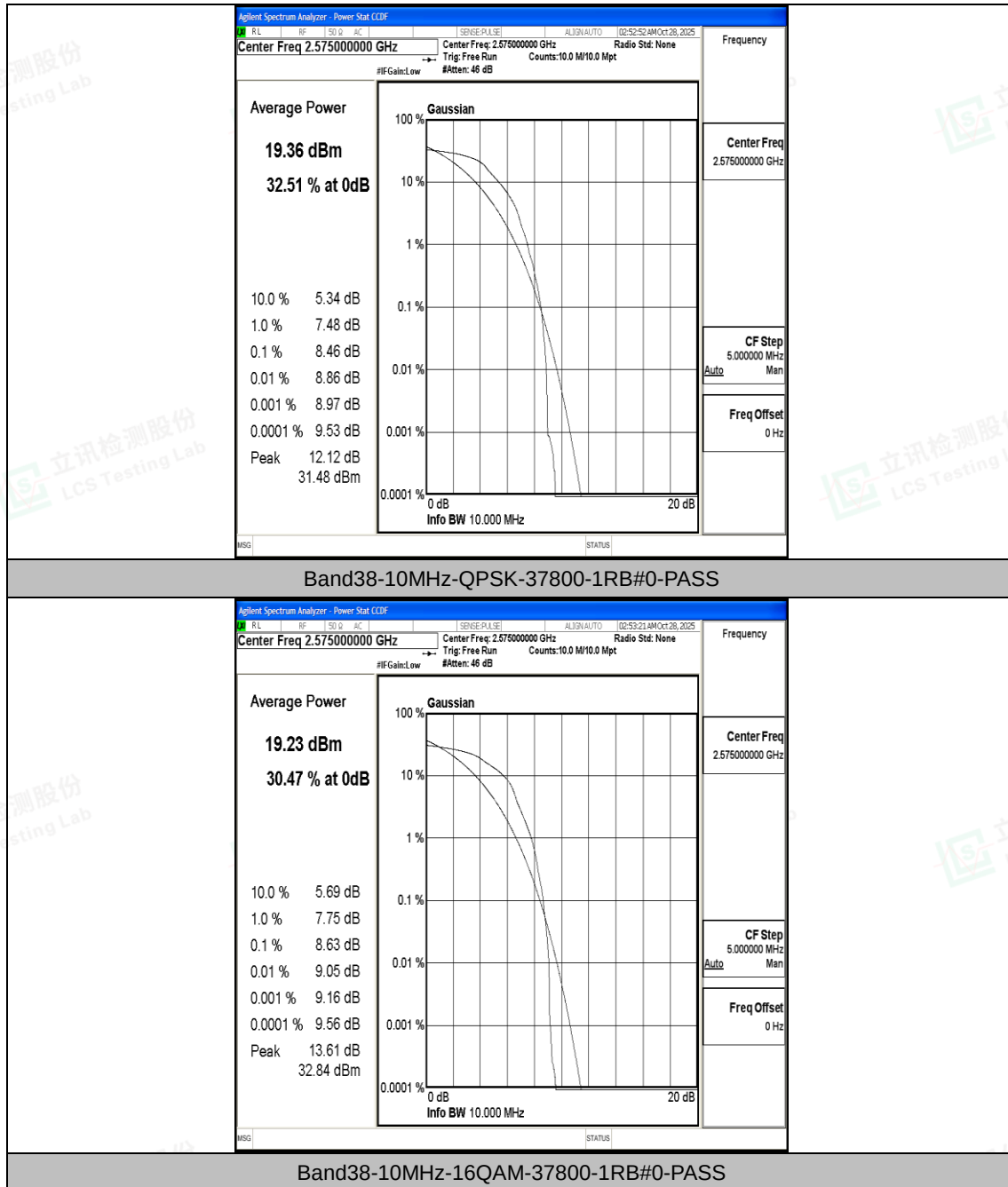


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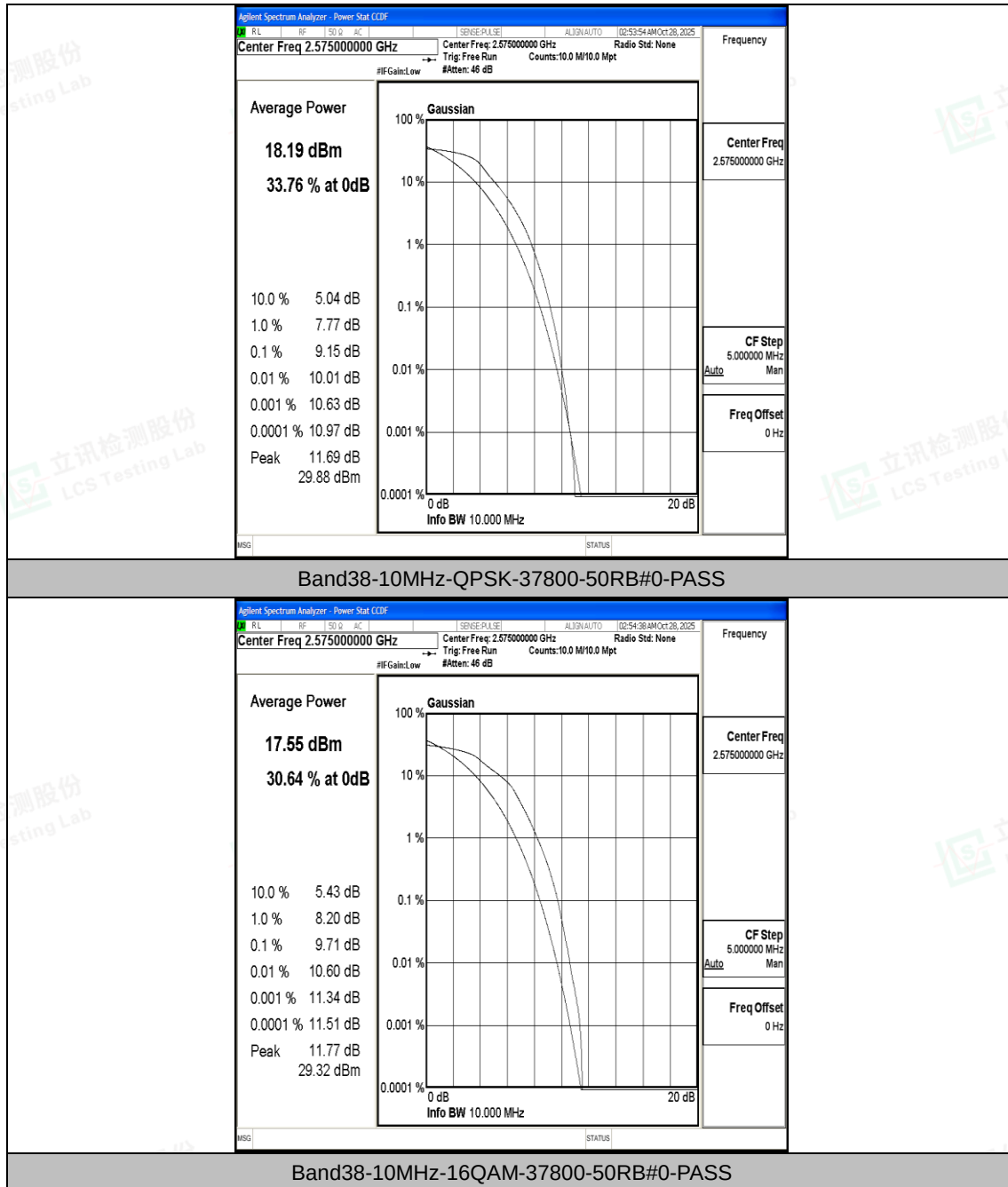


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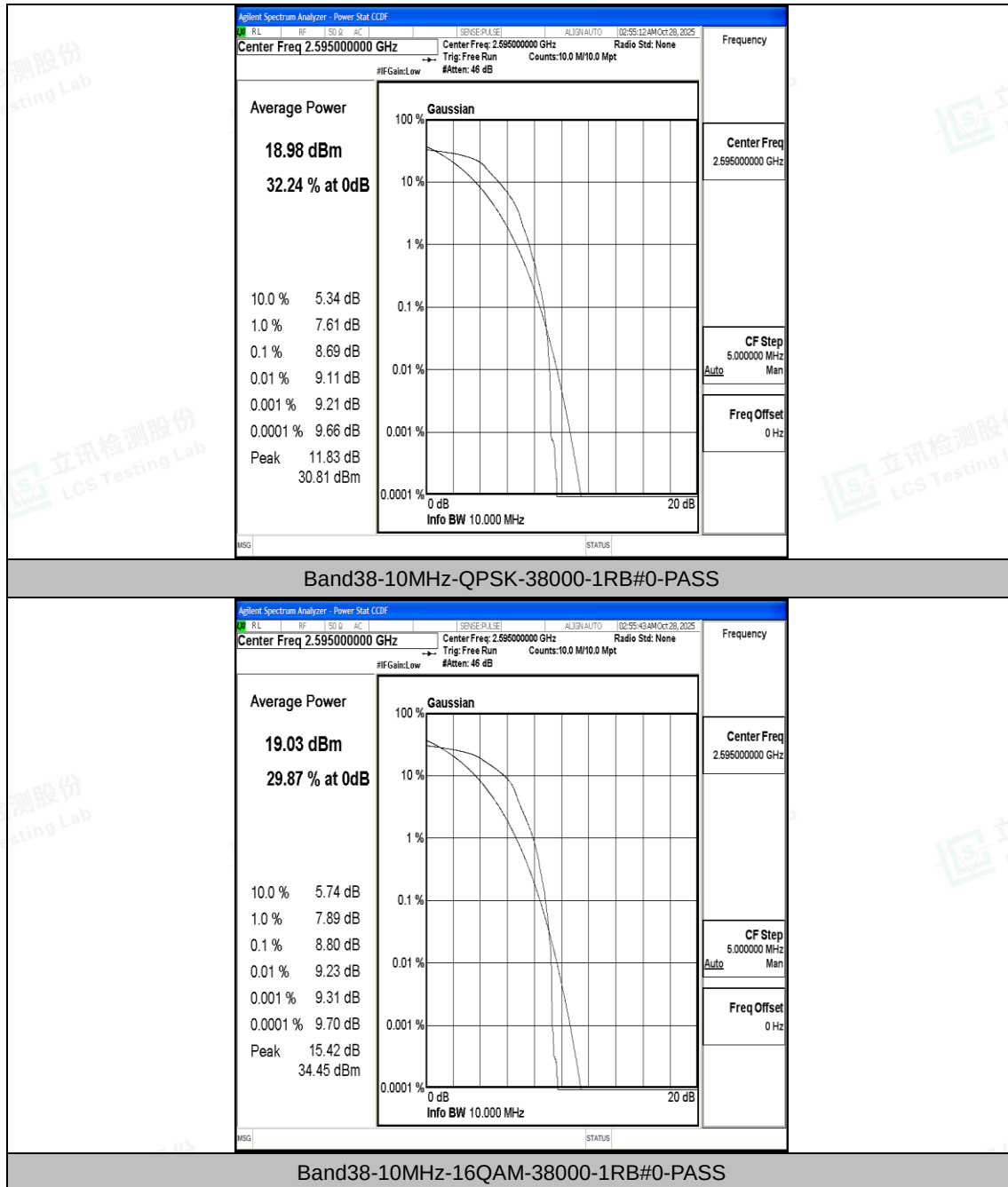


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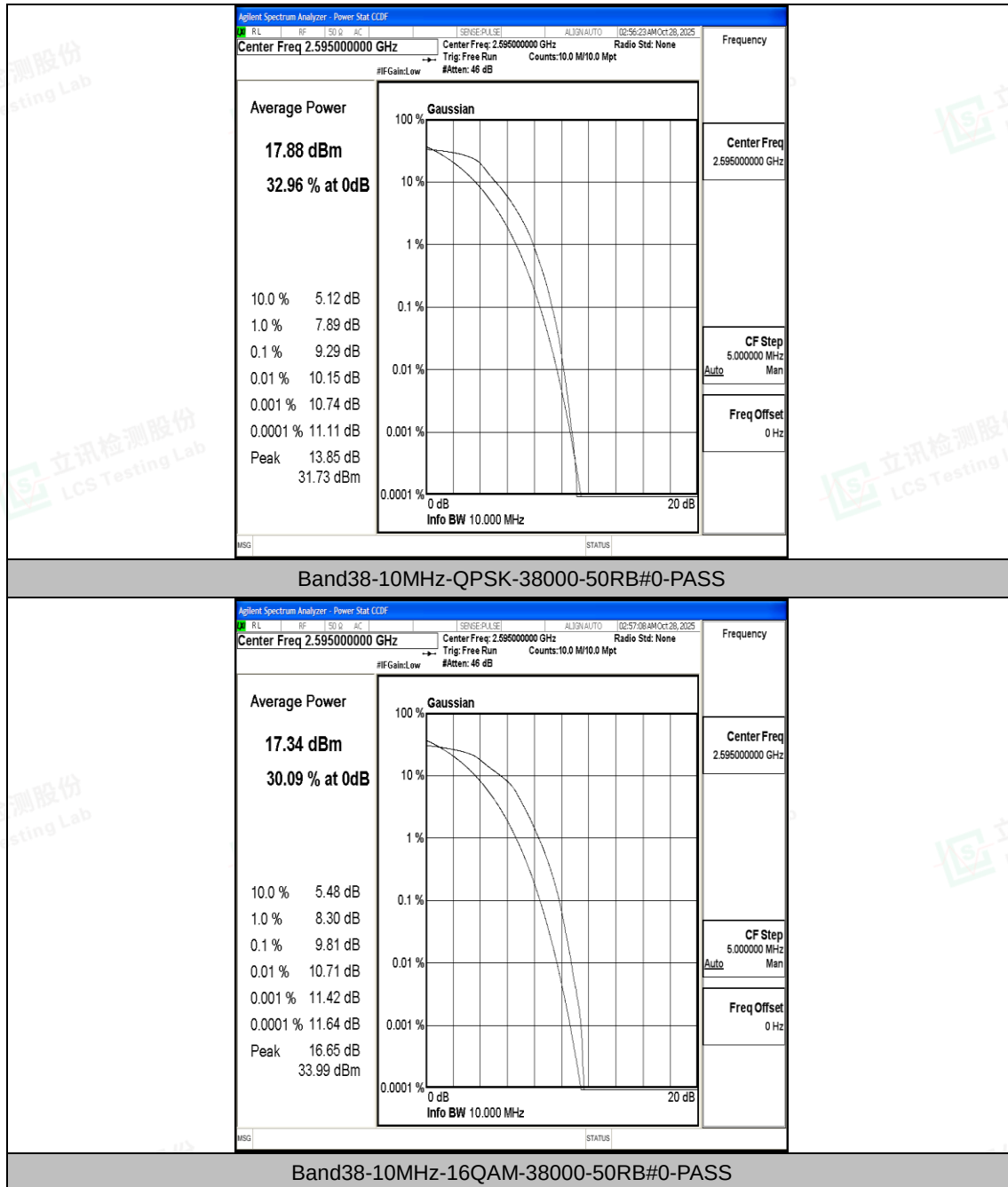


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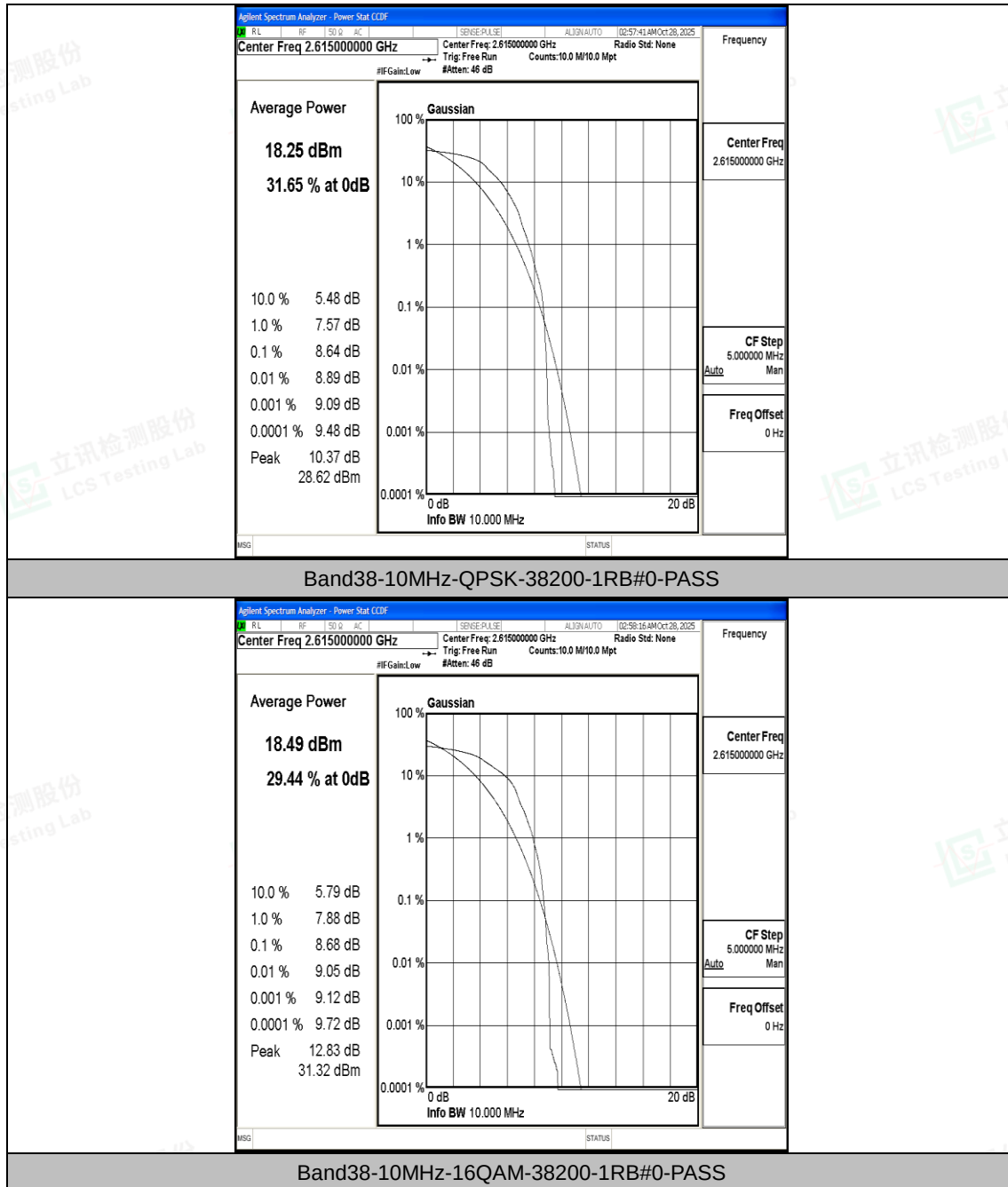


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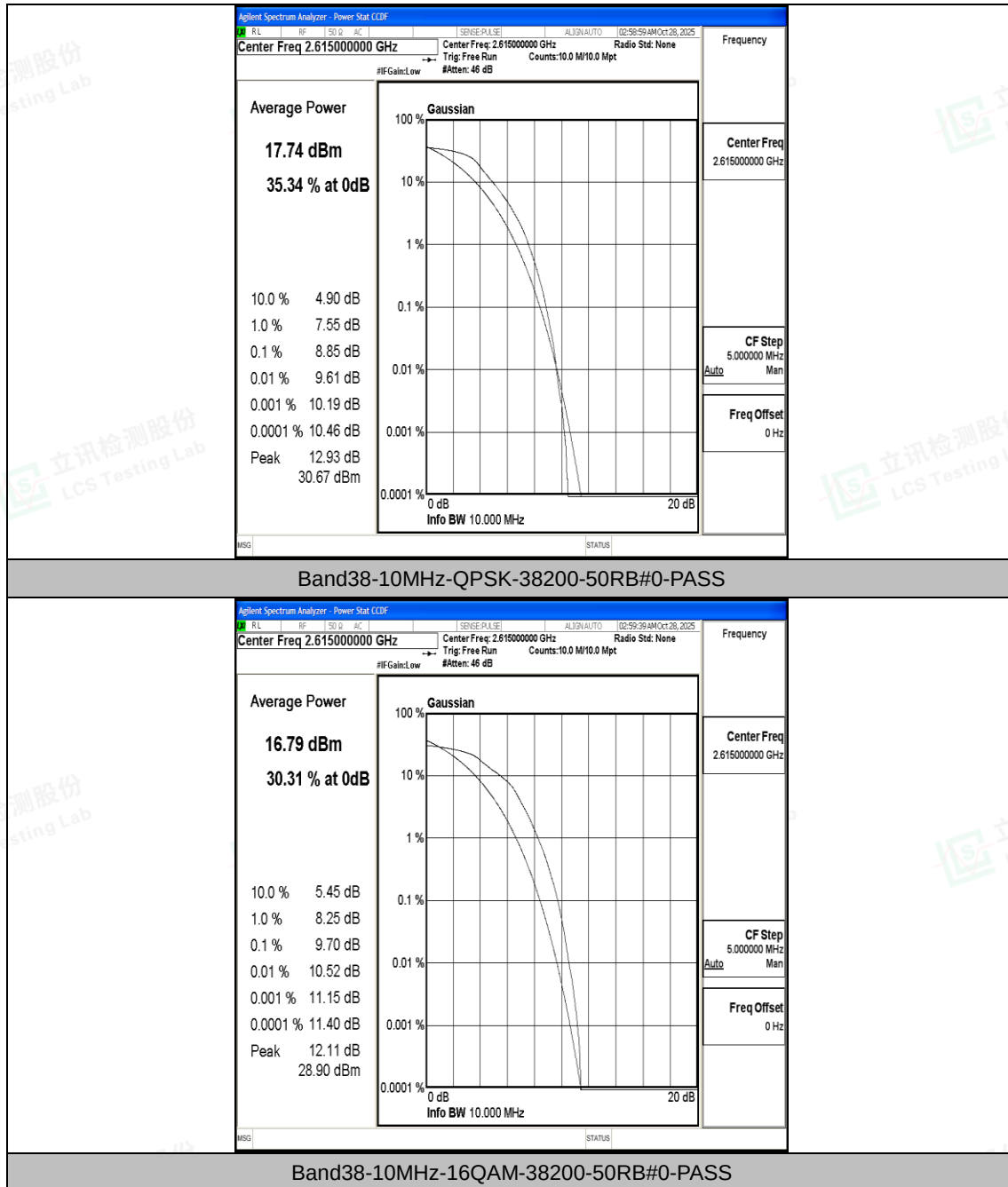


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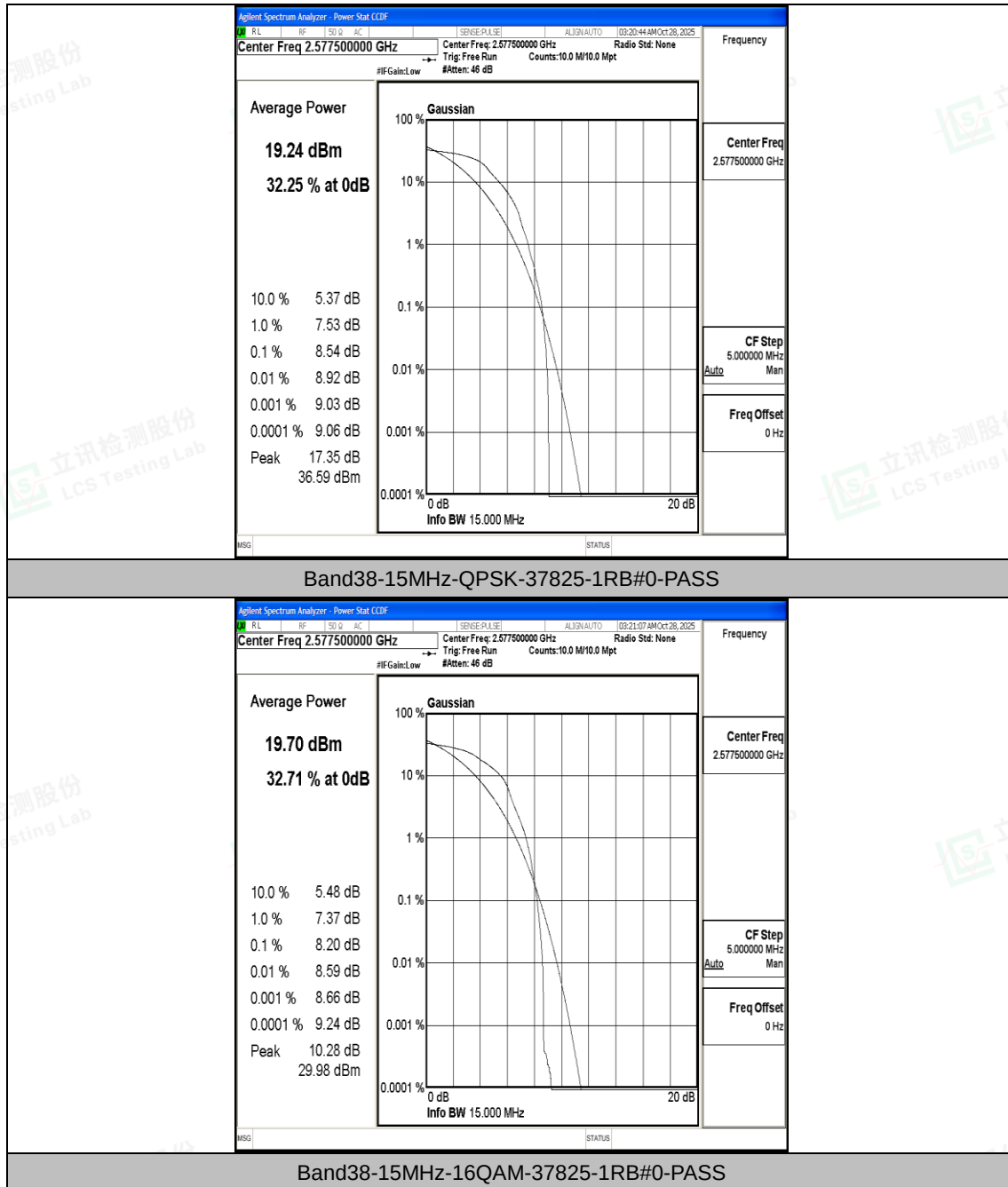


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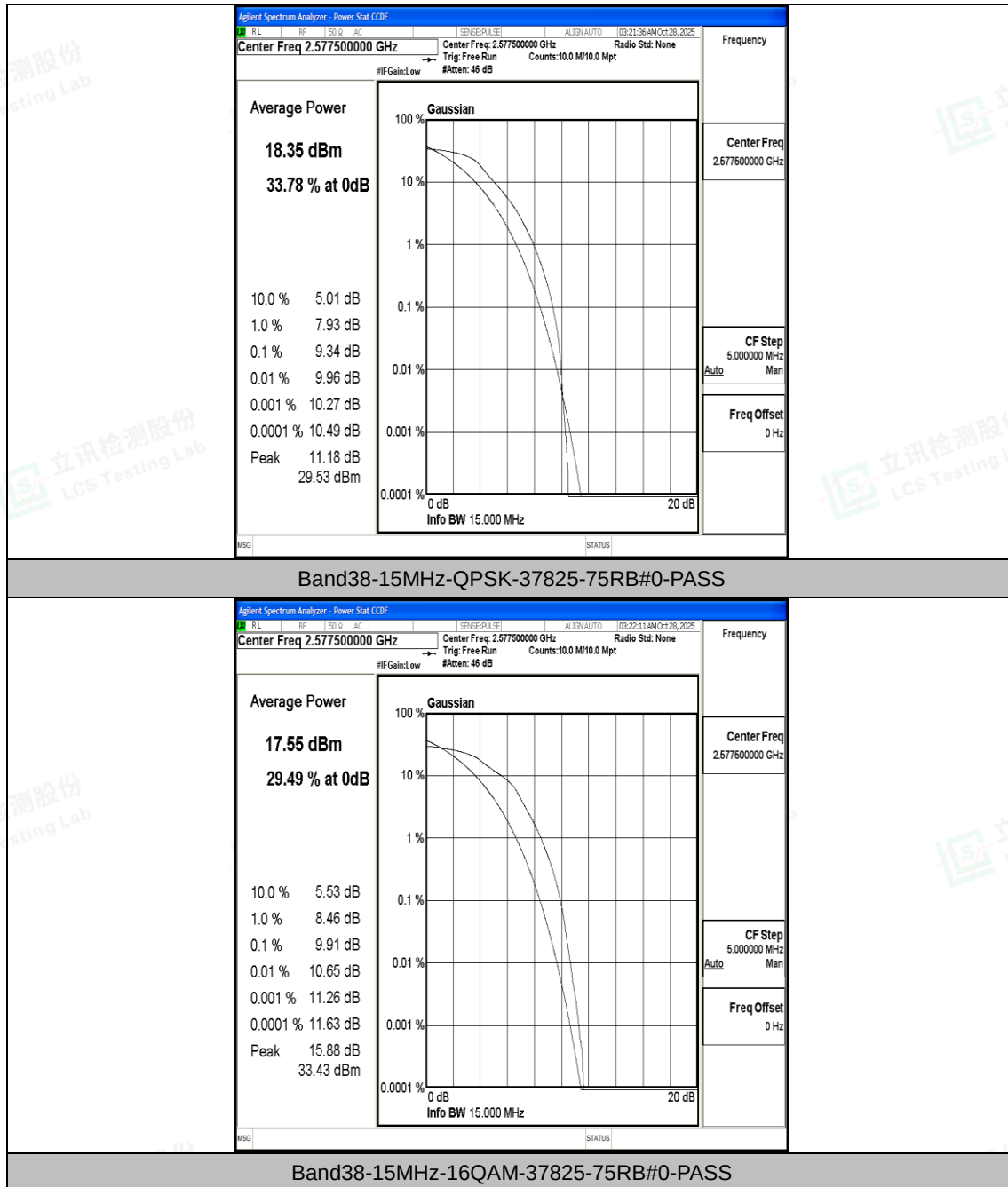


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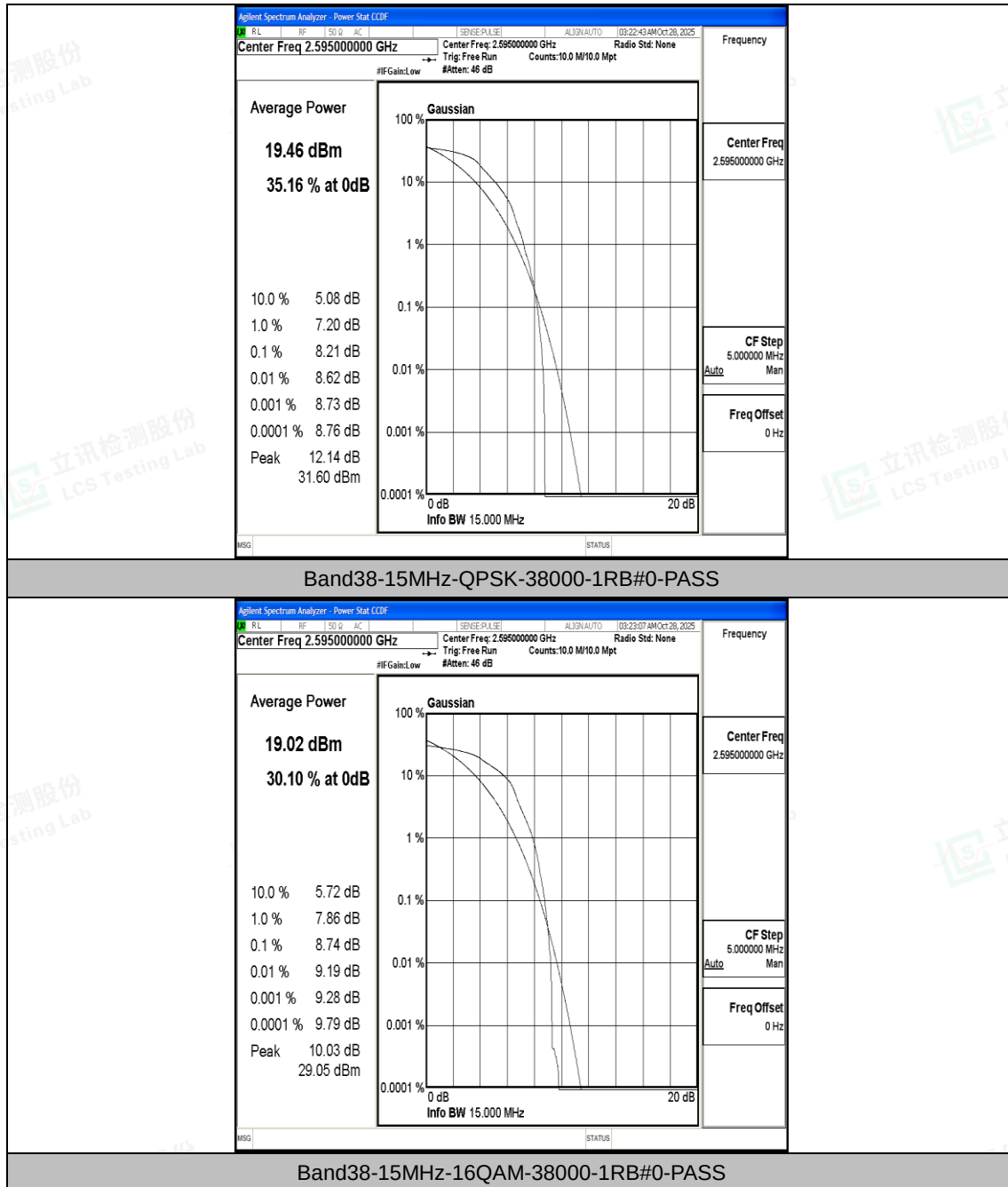


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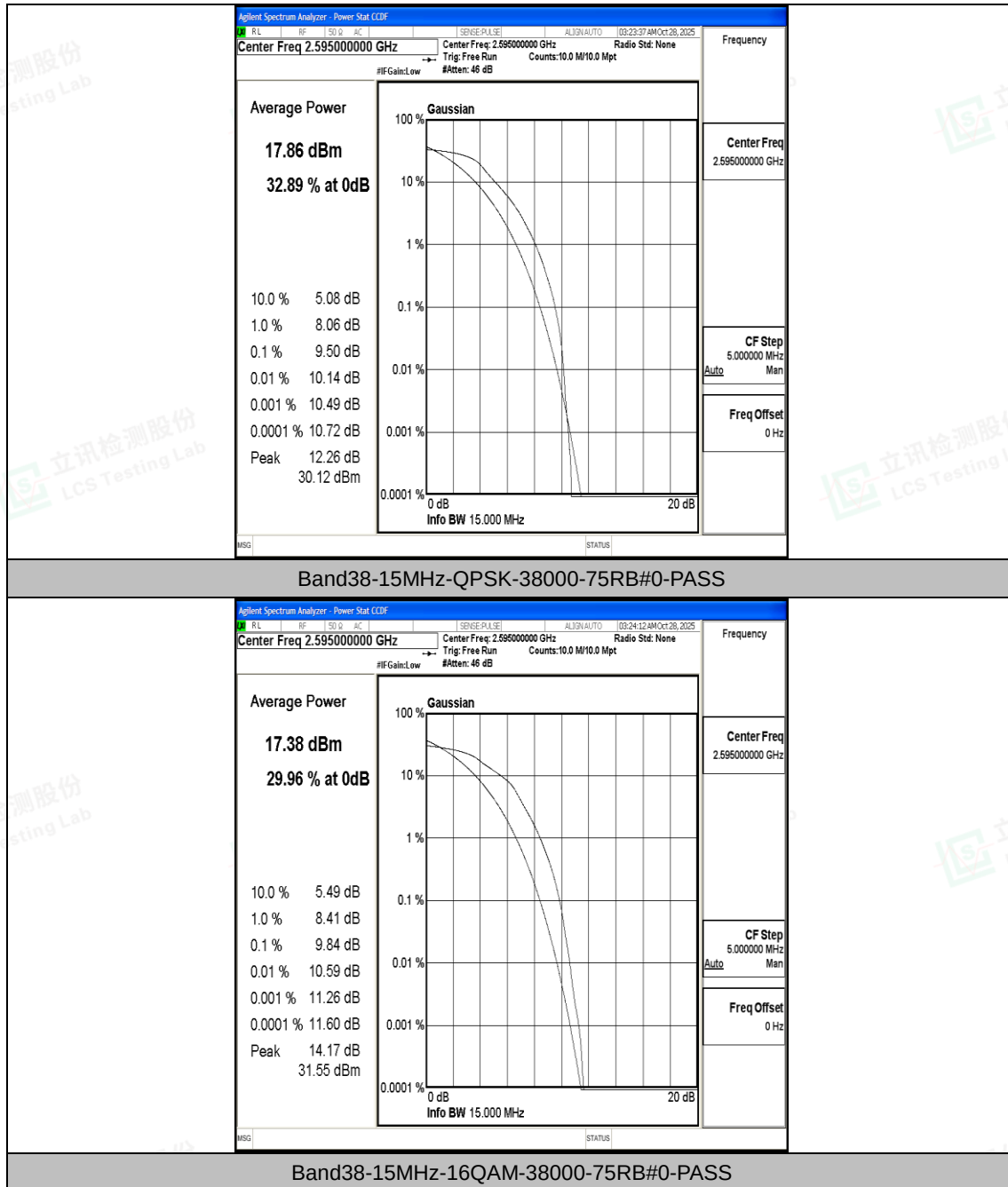


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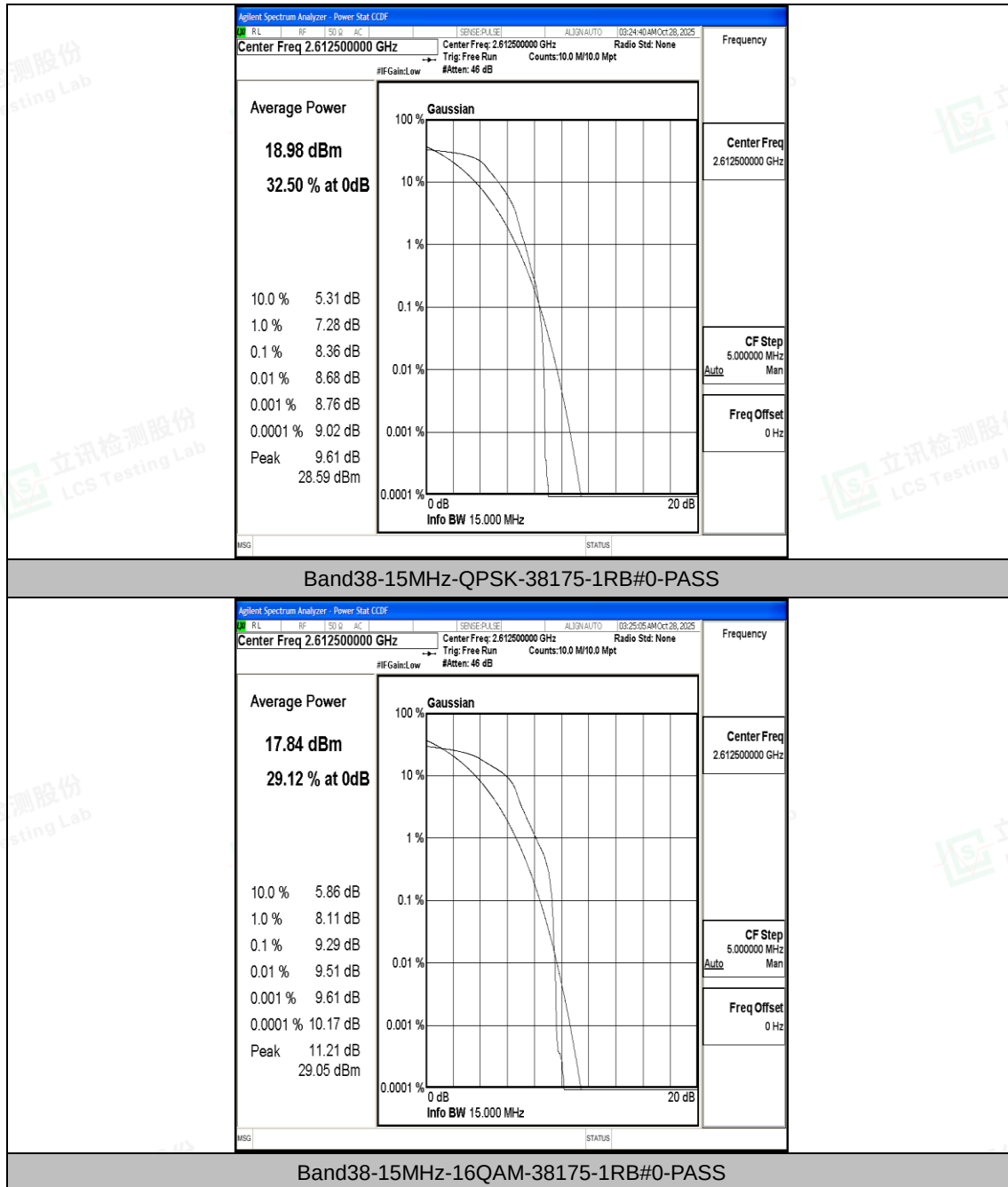


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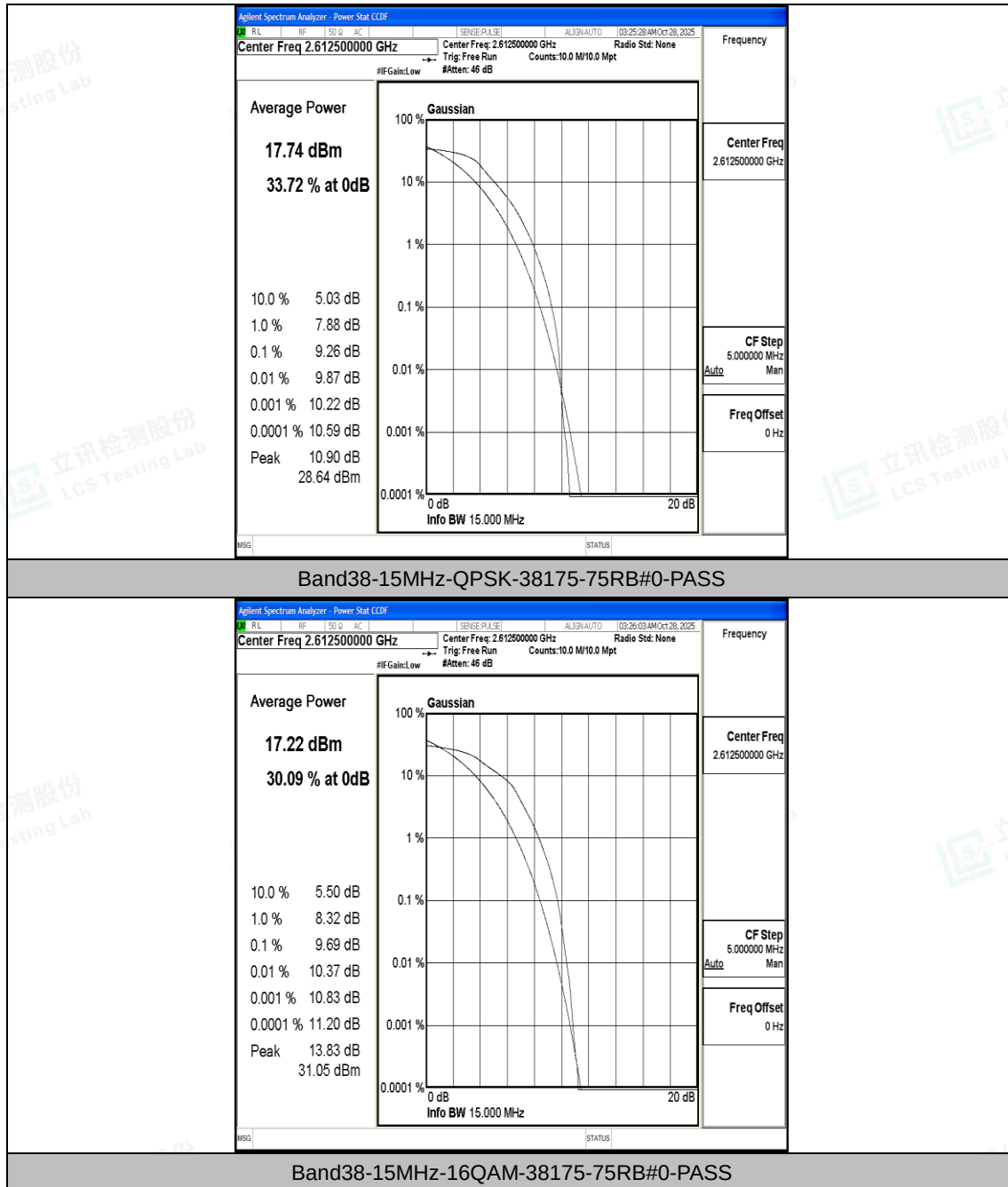


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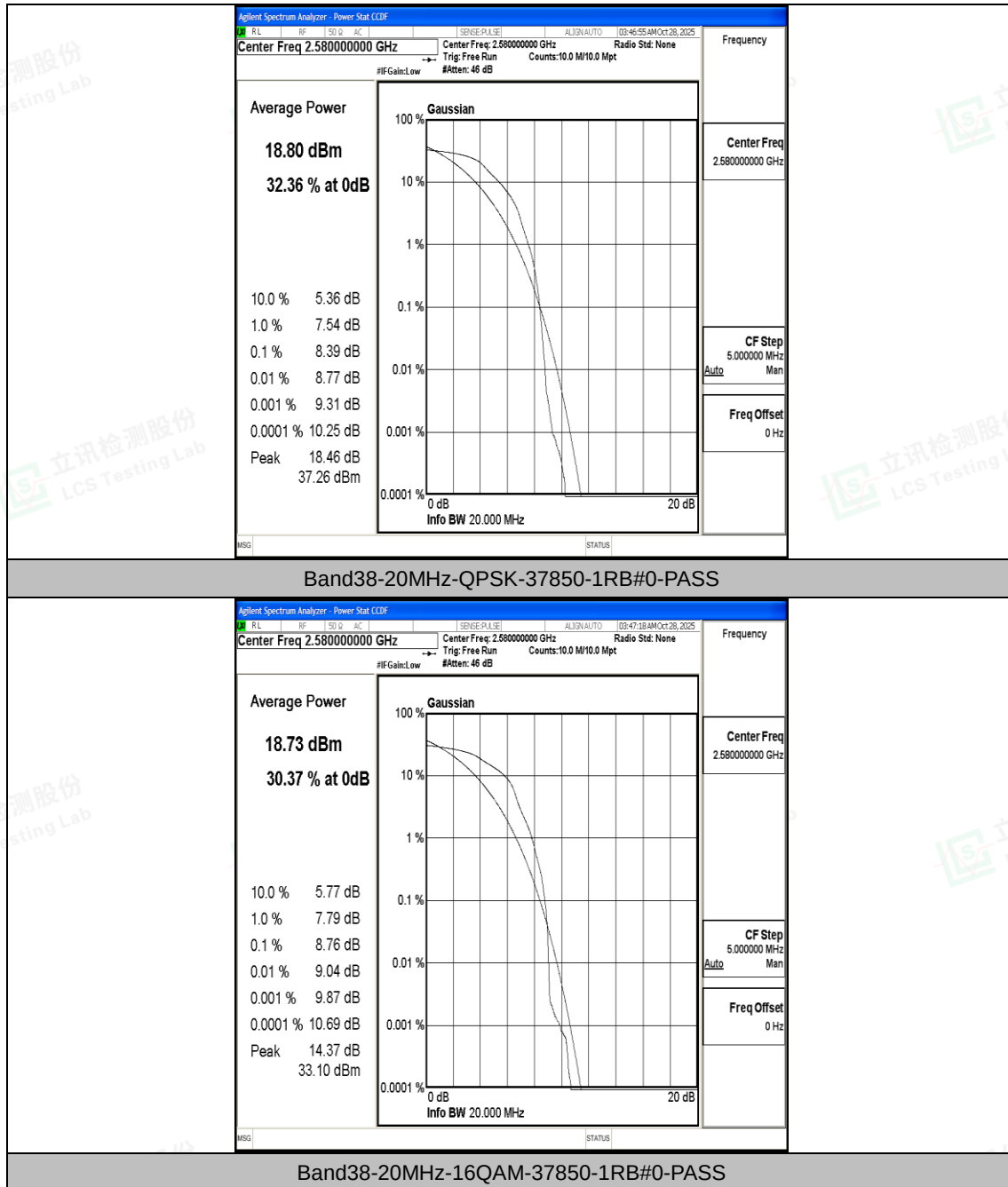


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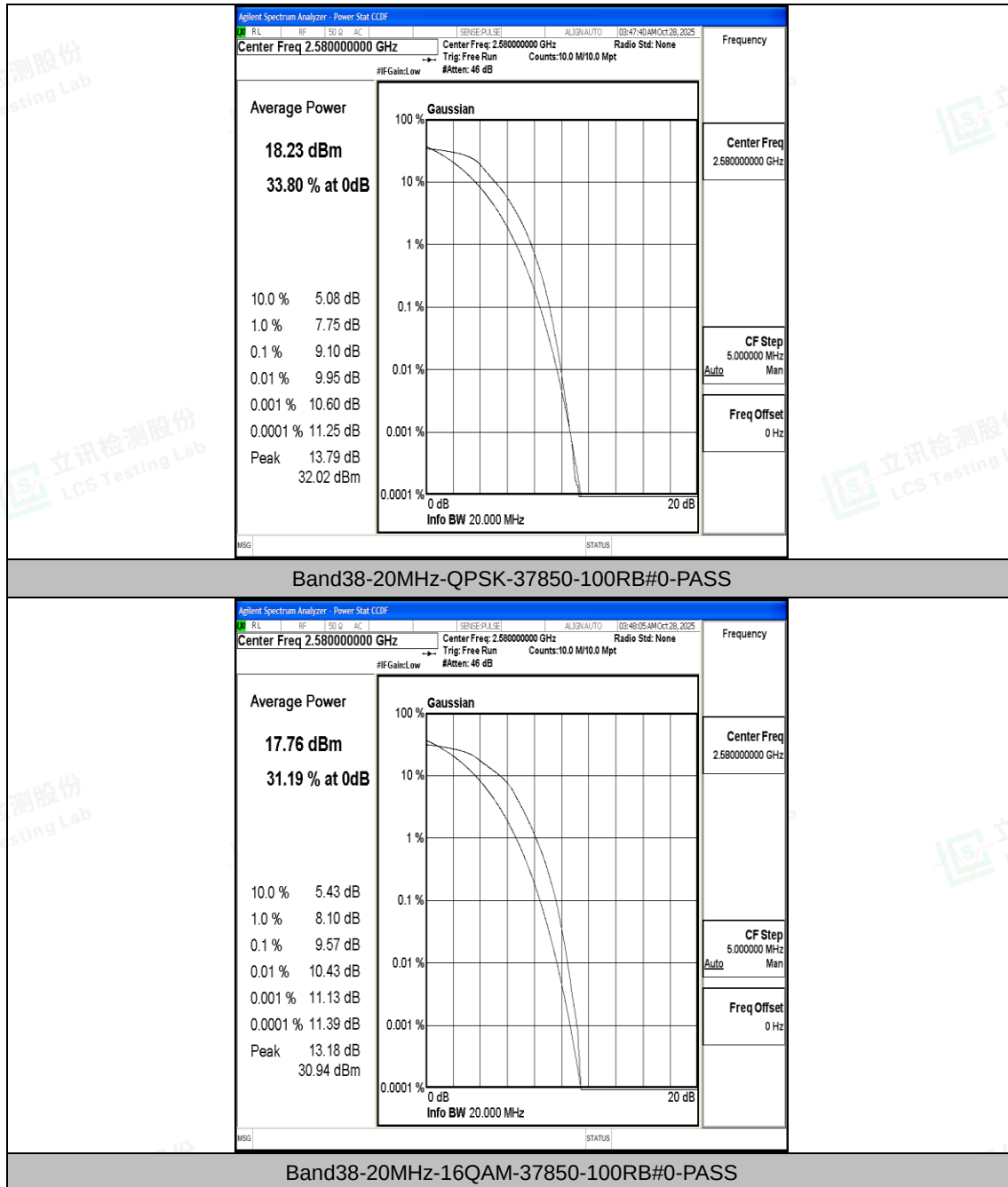


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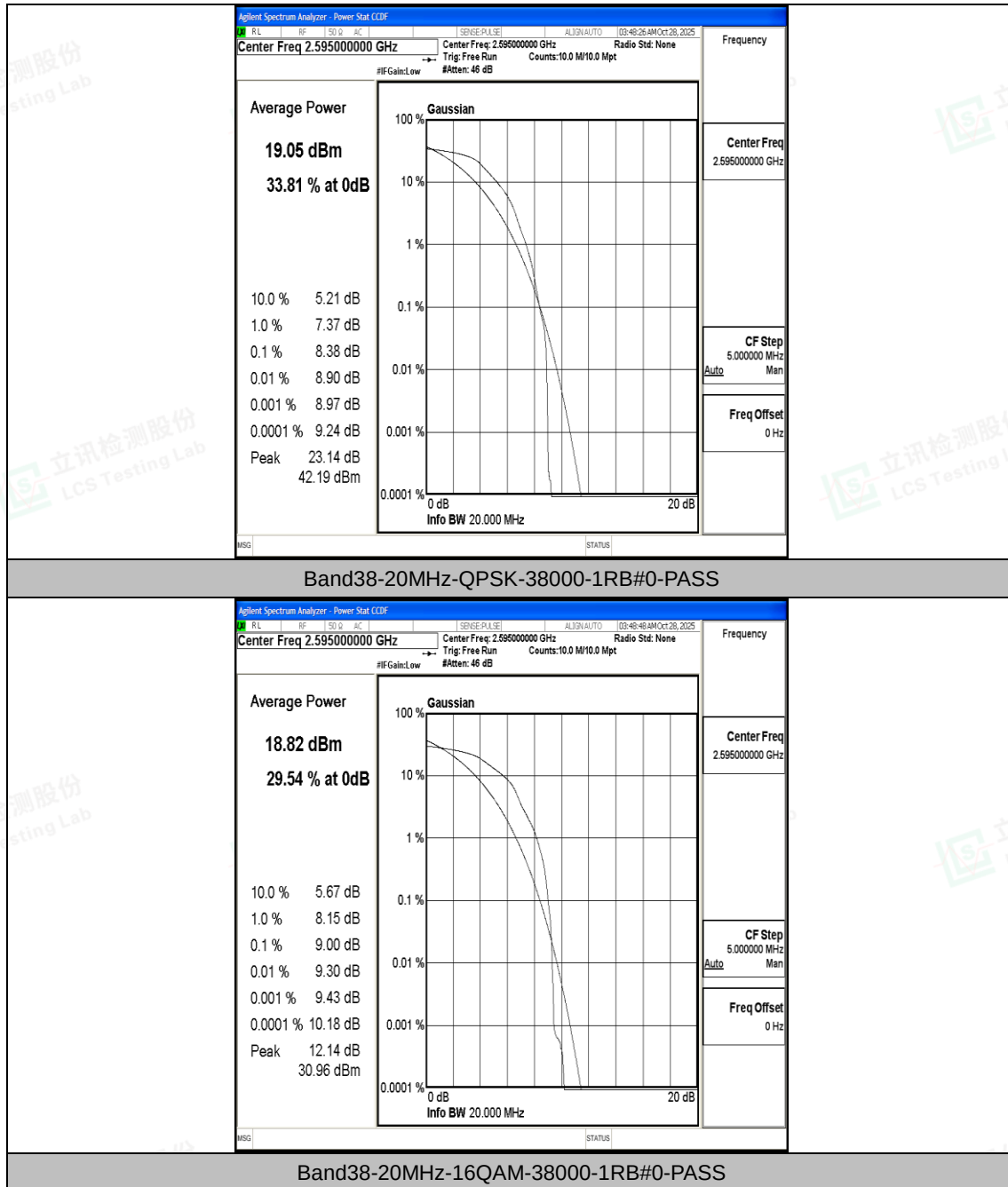


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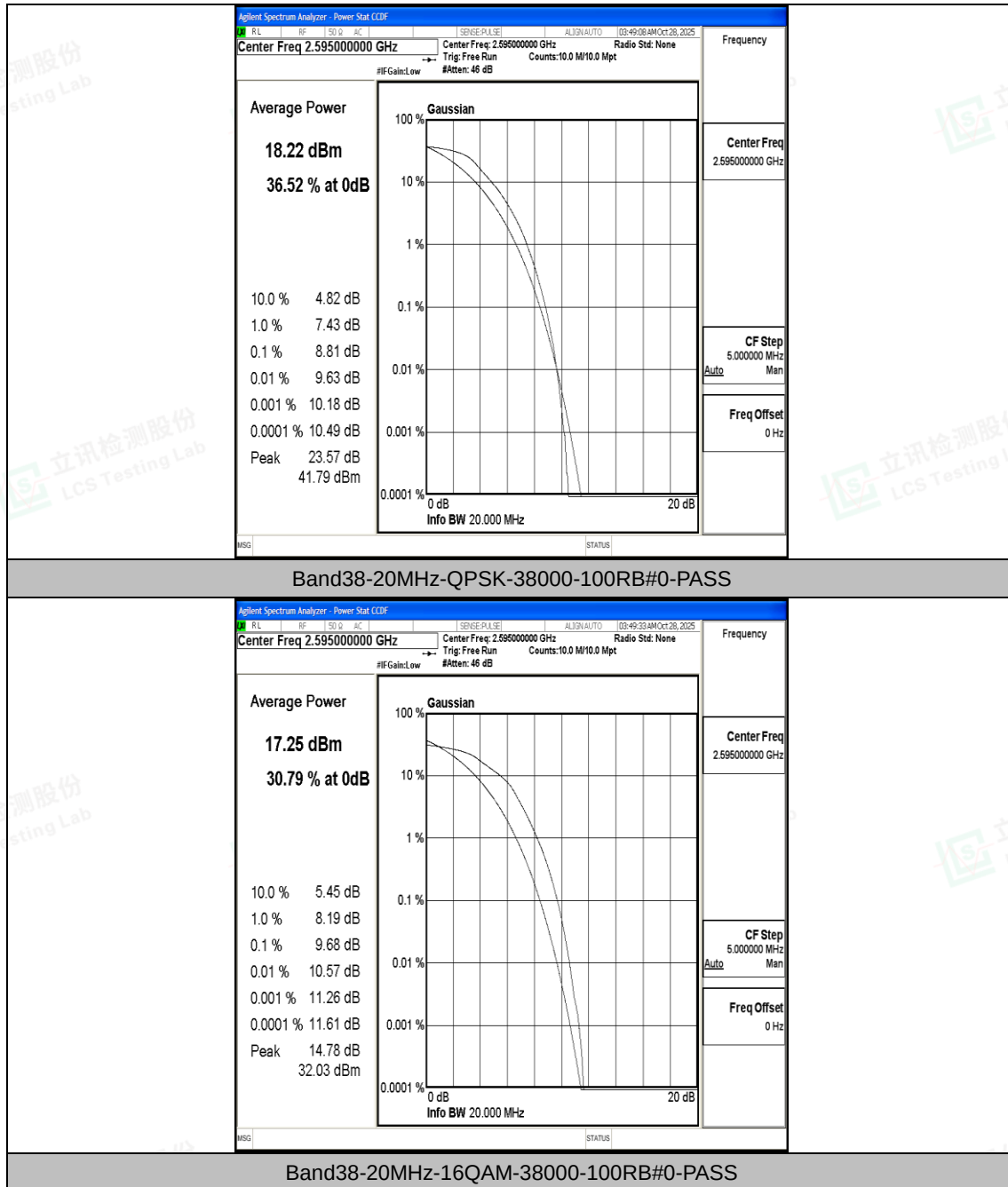


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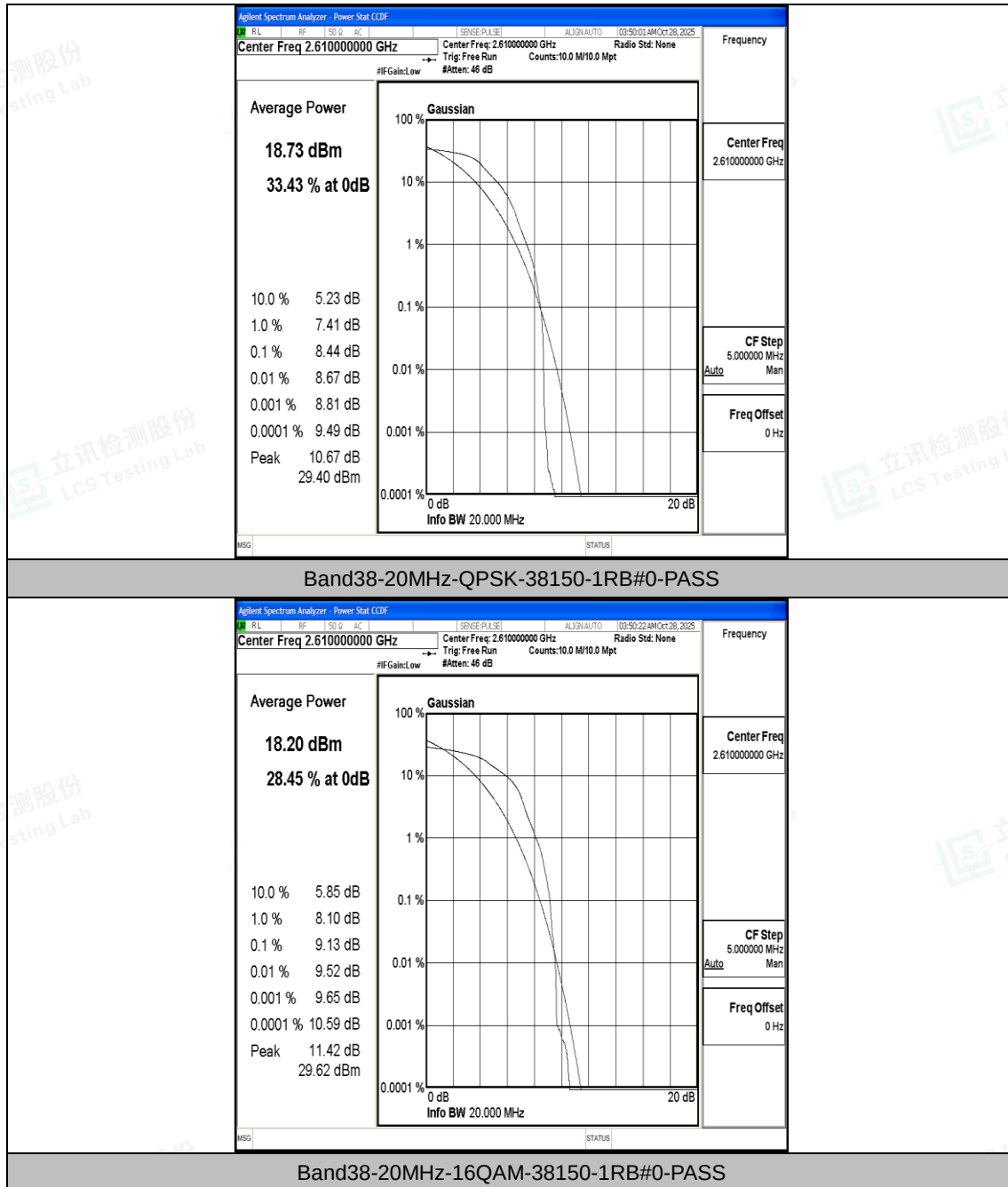


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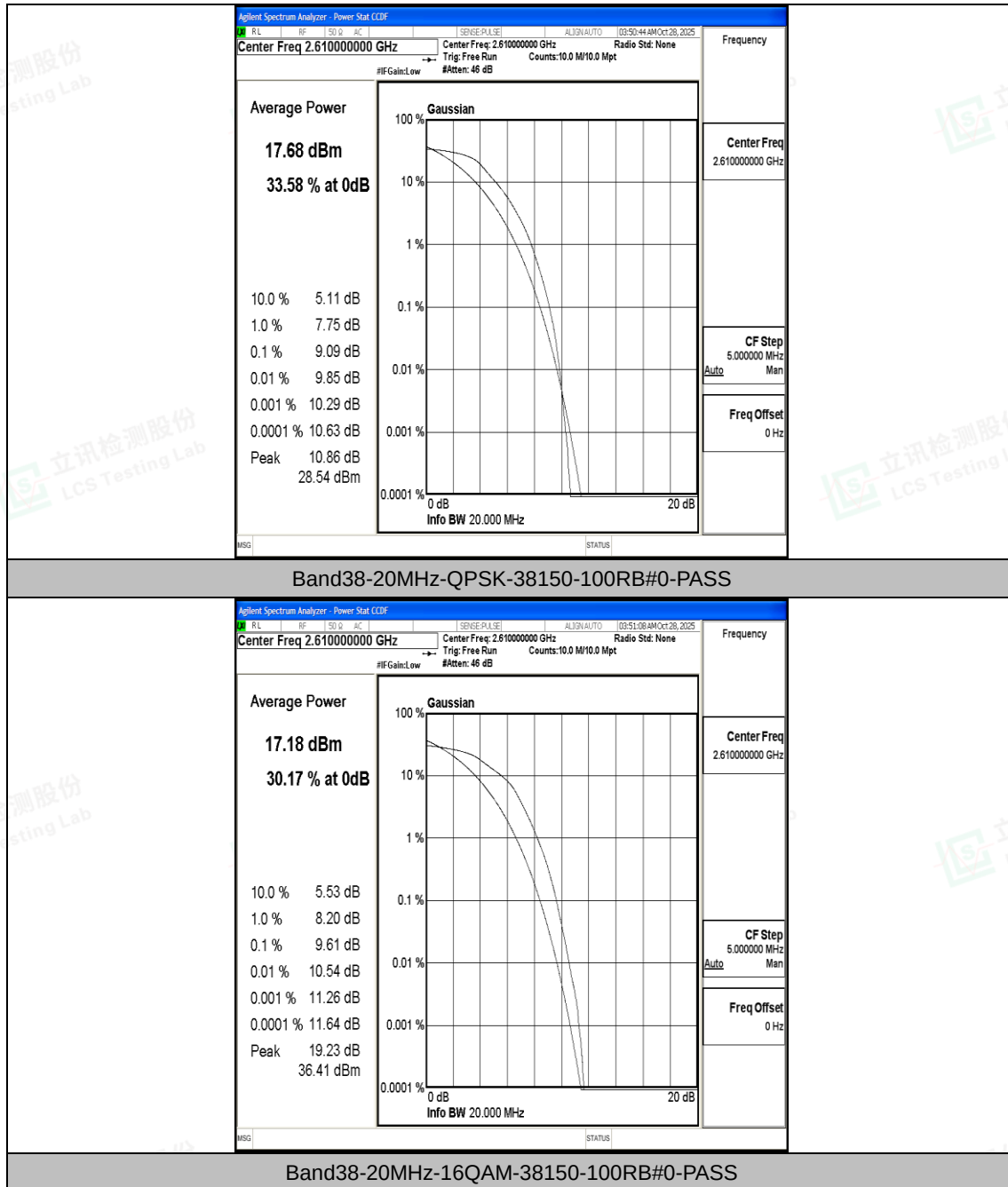


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P.3 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band38	5MHz	QPSK	37775	25RB#0	4.5093	5.242	PASS
Band38	5MHz	16QAM	37775	25RB#0	4.5193	5.416	PASS
Band38	5MHz	QPSK	38000	25RB#0	4.5092	5.137	PASS
Band38	5MHz	16QAM	38000	25RB#0	4.5218	5.390	PASS
Band38	5MHz	QPSK	38225	25RB#0	4.4920	5.086	PASS
Band38	5MHz	16QAM	38225	25RB#0	4.4919	5.284	PASS
Band38	10MHz	16QAM	37800	50RB#0	9.0150	9.836	PASS
Band38	10MHz	QPSK	38000	50RB#0	8.9874	10.09	PASS
Band38	10MHz	16QAM	38000	50RB#0	9.0120	10.09	PASS
Band38	10MHz	QPSK	37800	50RB#0	9.0059	10.34	PASS
Band38	10MHz	QPSK	38200	50RB#0	9.0133	10.06	PASS
Band38	10MHz	16QAM	38200	50RB#0	9.0098	10.88	PASS
Band38	15MHz	QPSK	37825	75RB#0	13.509	15.07	PASS
Band38	15MHz	16QAM	37825	75RB#0	13.494	15.19	PASS
Band38	15MHz	QPSK	38000	75RB#0	13.428	15.86	PASS
Band38	15MHz	16QAM	38000	75RB#0	13.461	15.02	PASS
Band38	15MHz	QPSK	38175	75RB#0	13.473	16.07	PASS
Band38	15MHz	16QAM	38175	75RB#0	13.472	16.61	PASS
Band38	20MHz	QPSK	37850	100RB#0	18.025	20.77	PASS
Band38	20MHz	16QAM	37850	100RB#0	18.017	20.19	PASS
Band38	20MHz	QPSK	38000	100RB#0	18.036	20.44	PASS
Band38	20MHz	16QAM	38000	100RB#0	17.991	20.38	PASS
Band38	20MHz	QPSK	38150	100RB#0	17.969	19.59	PASS
Band38	20MHz	16QAM	38150	100RB#0	17.949	20.38	PASS



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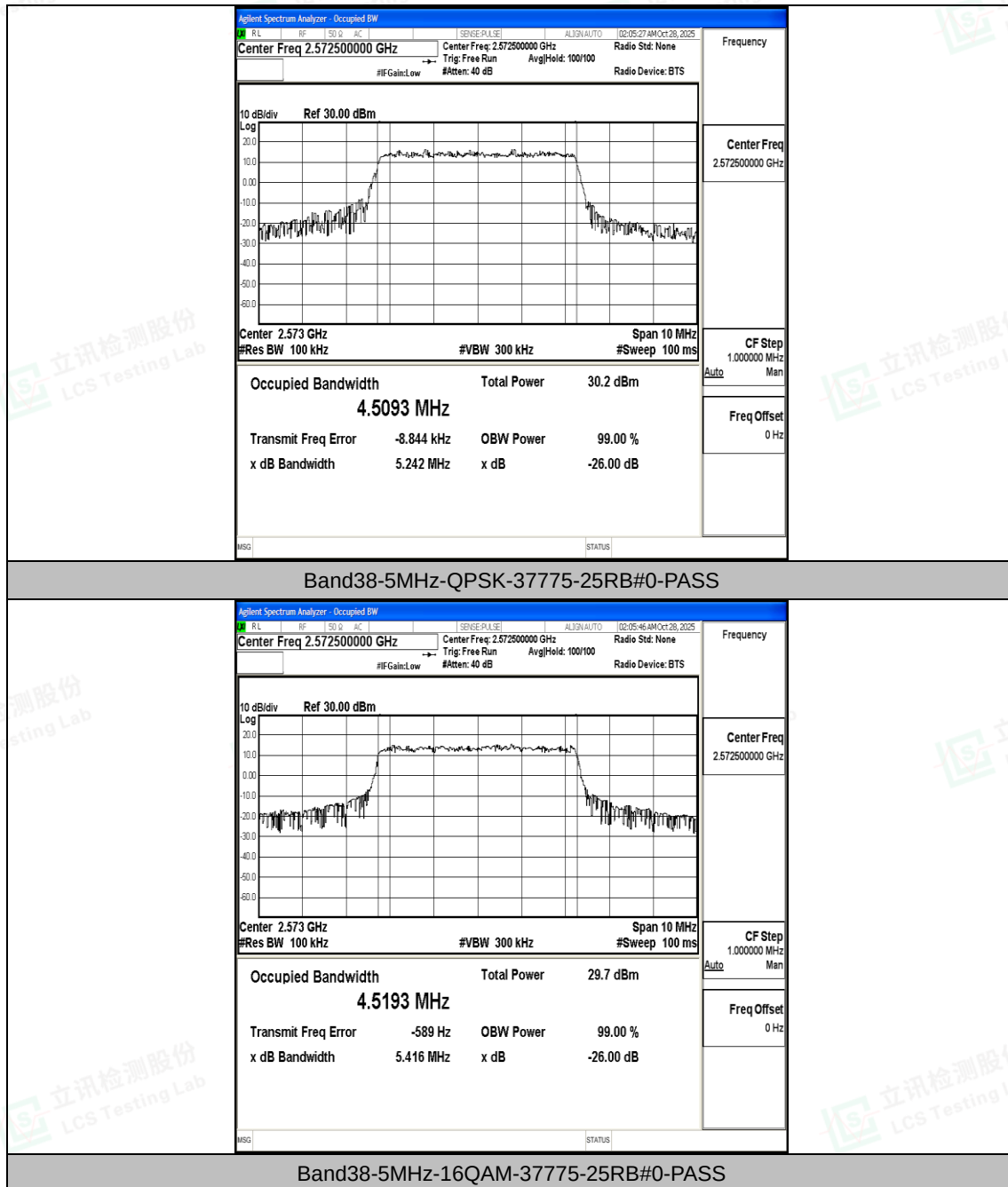
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Test Graphs

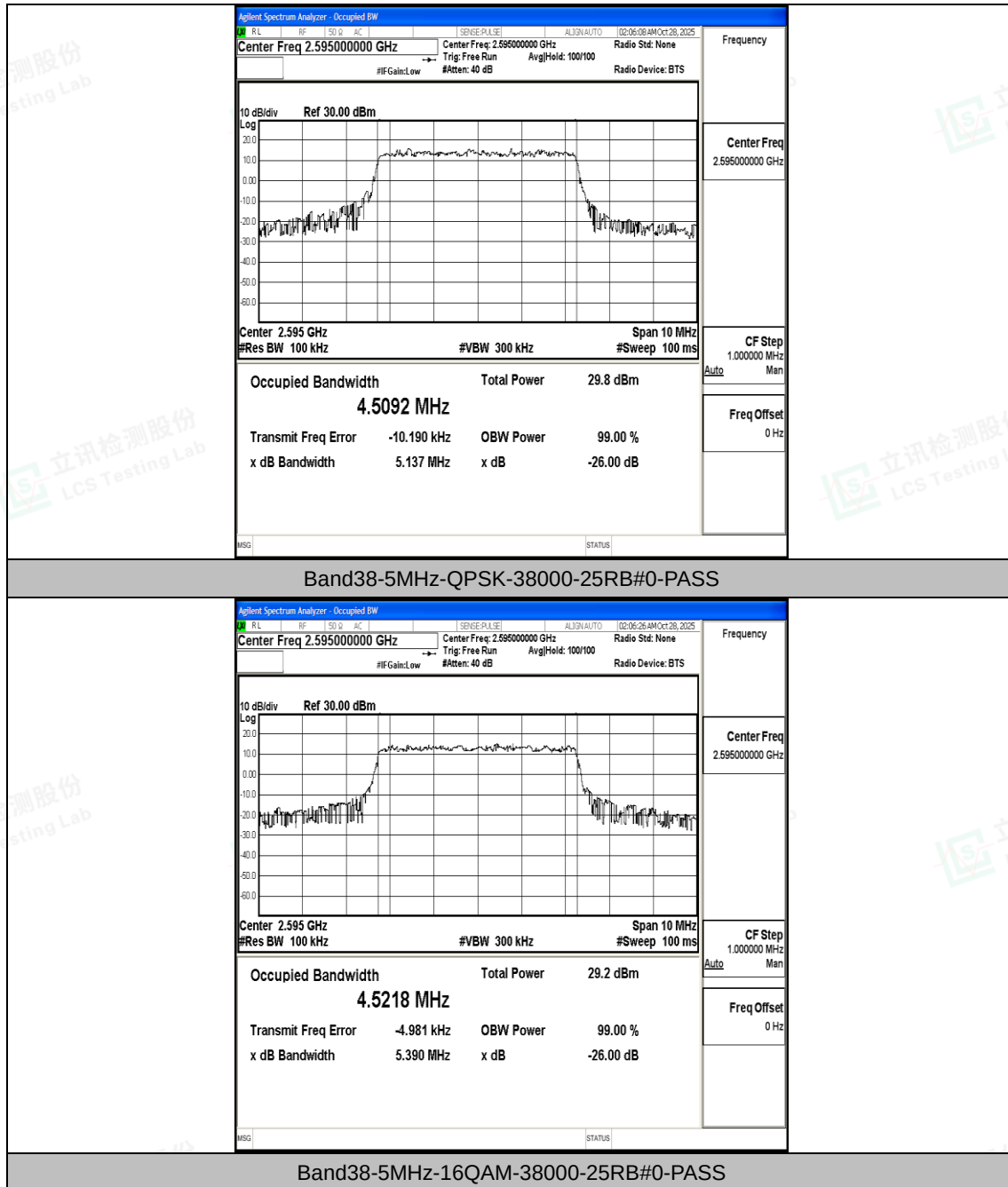


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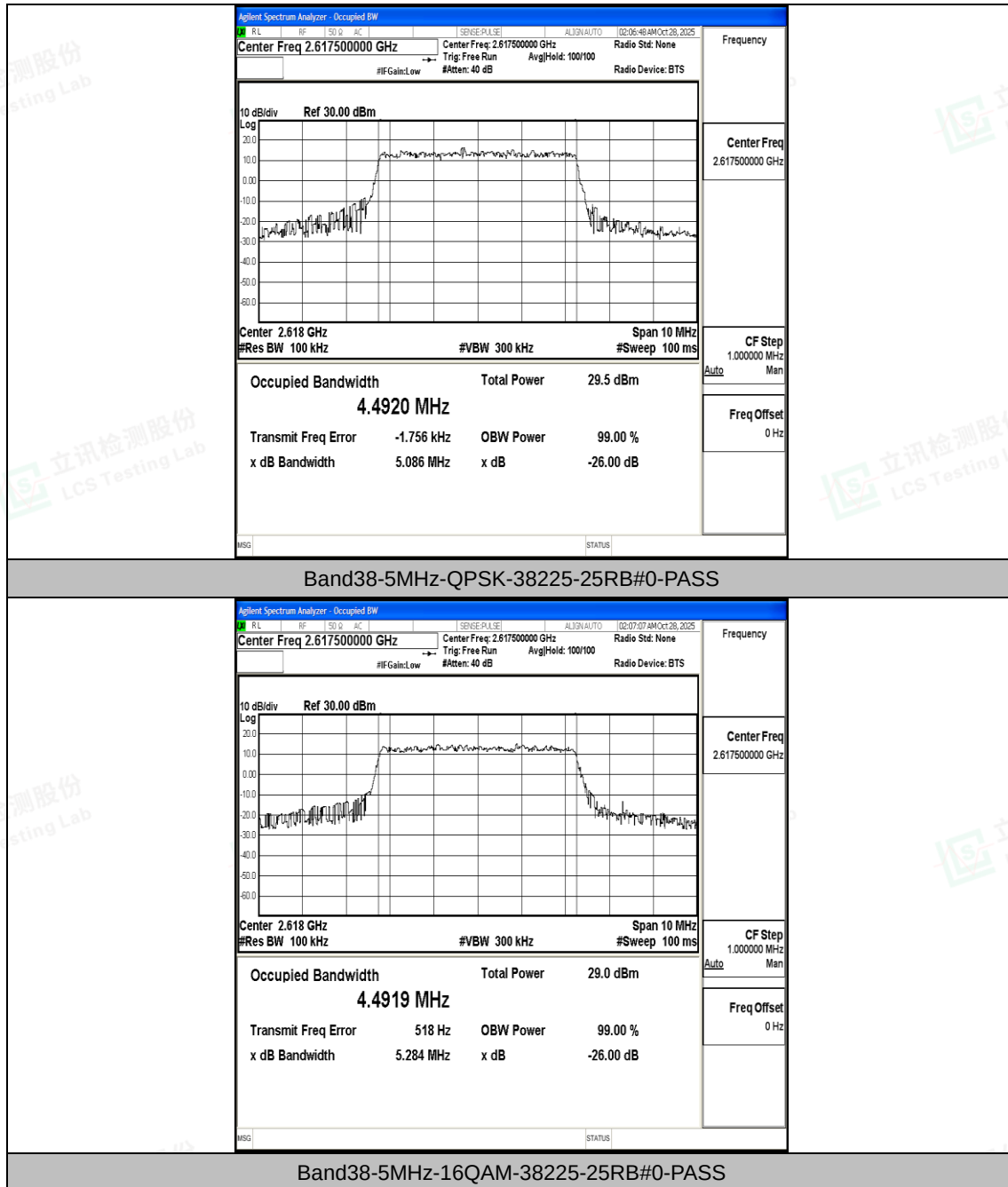


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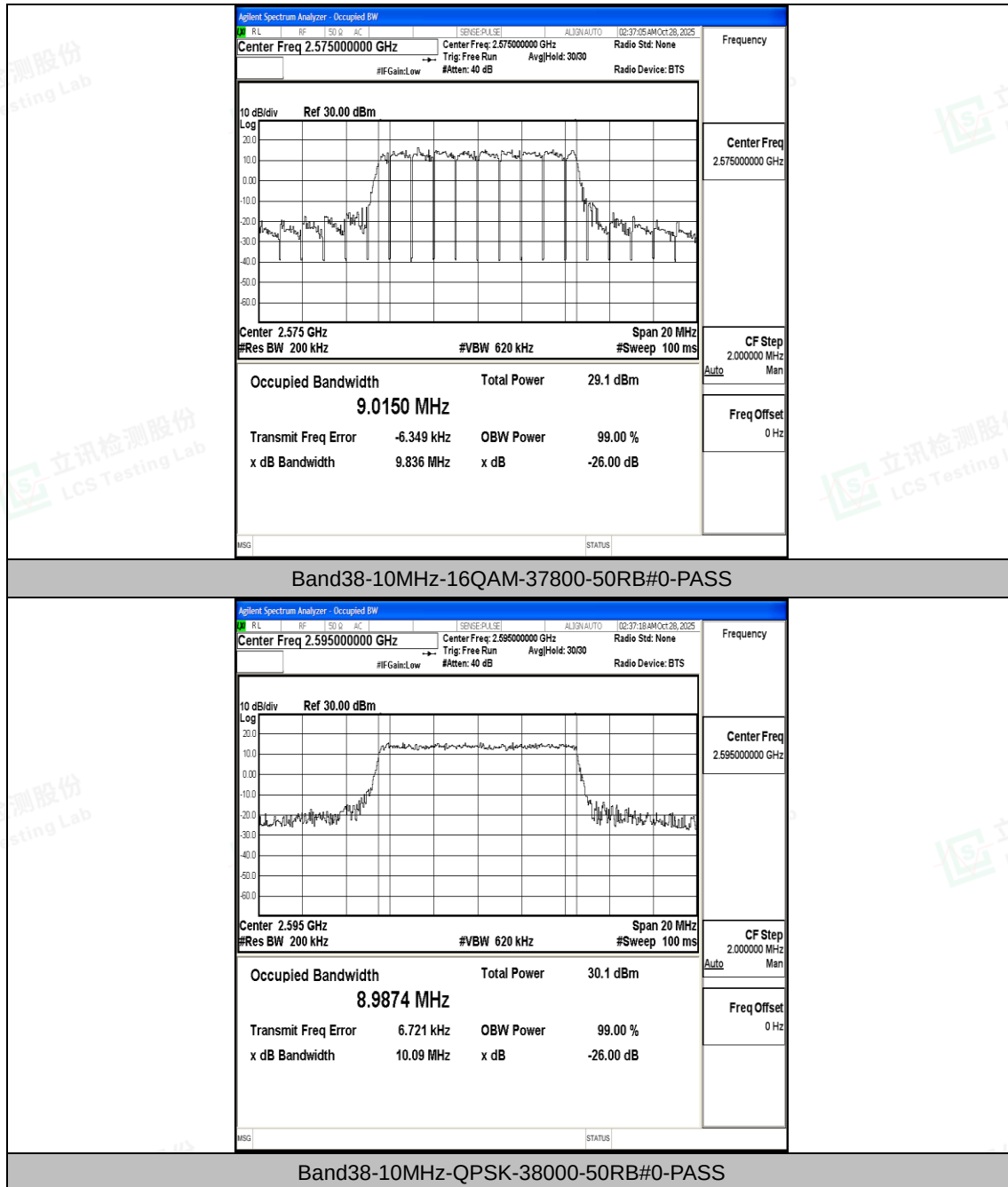


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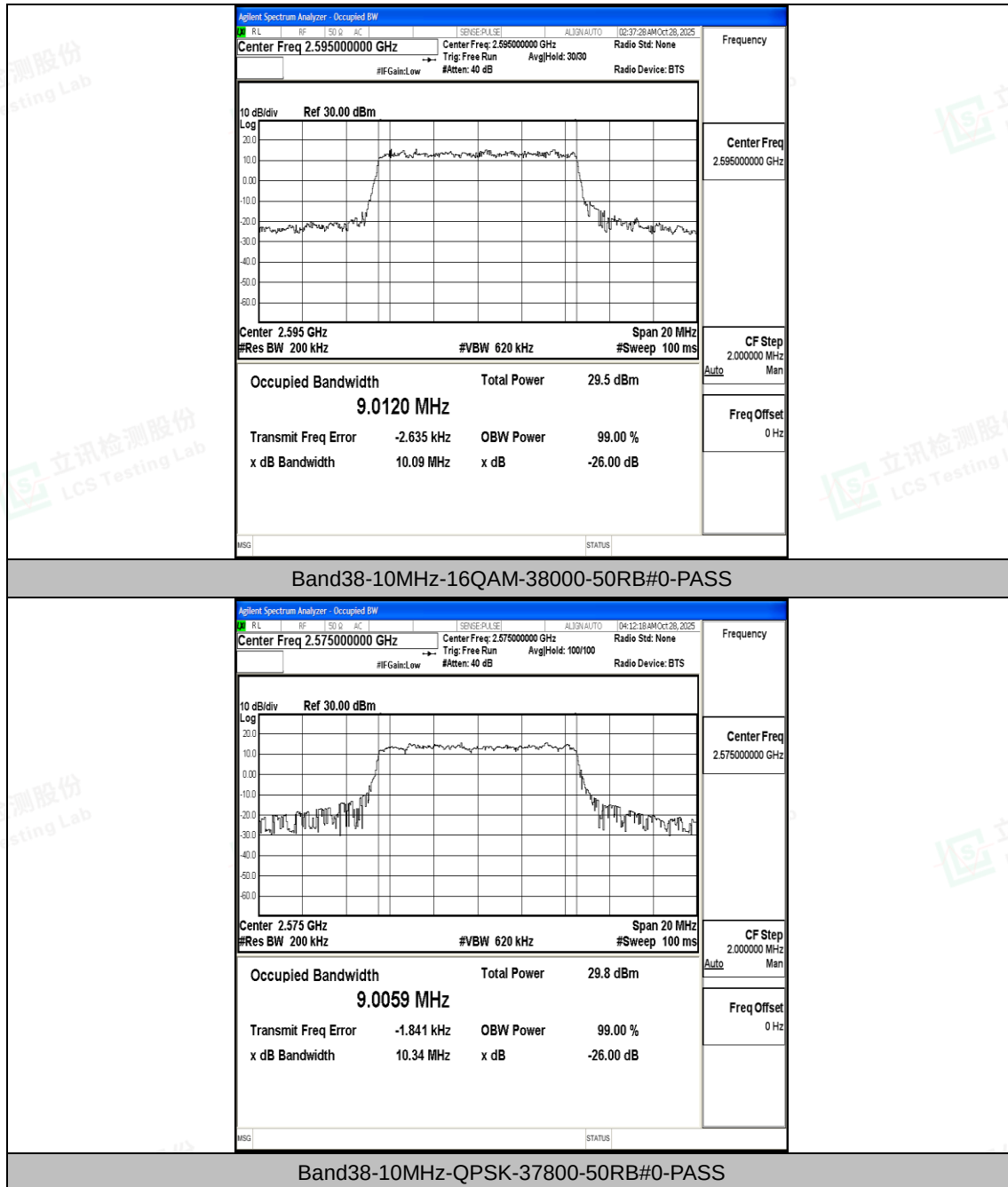


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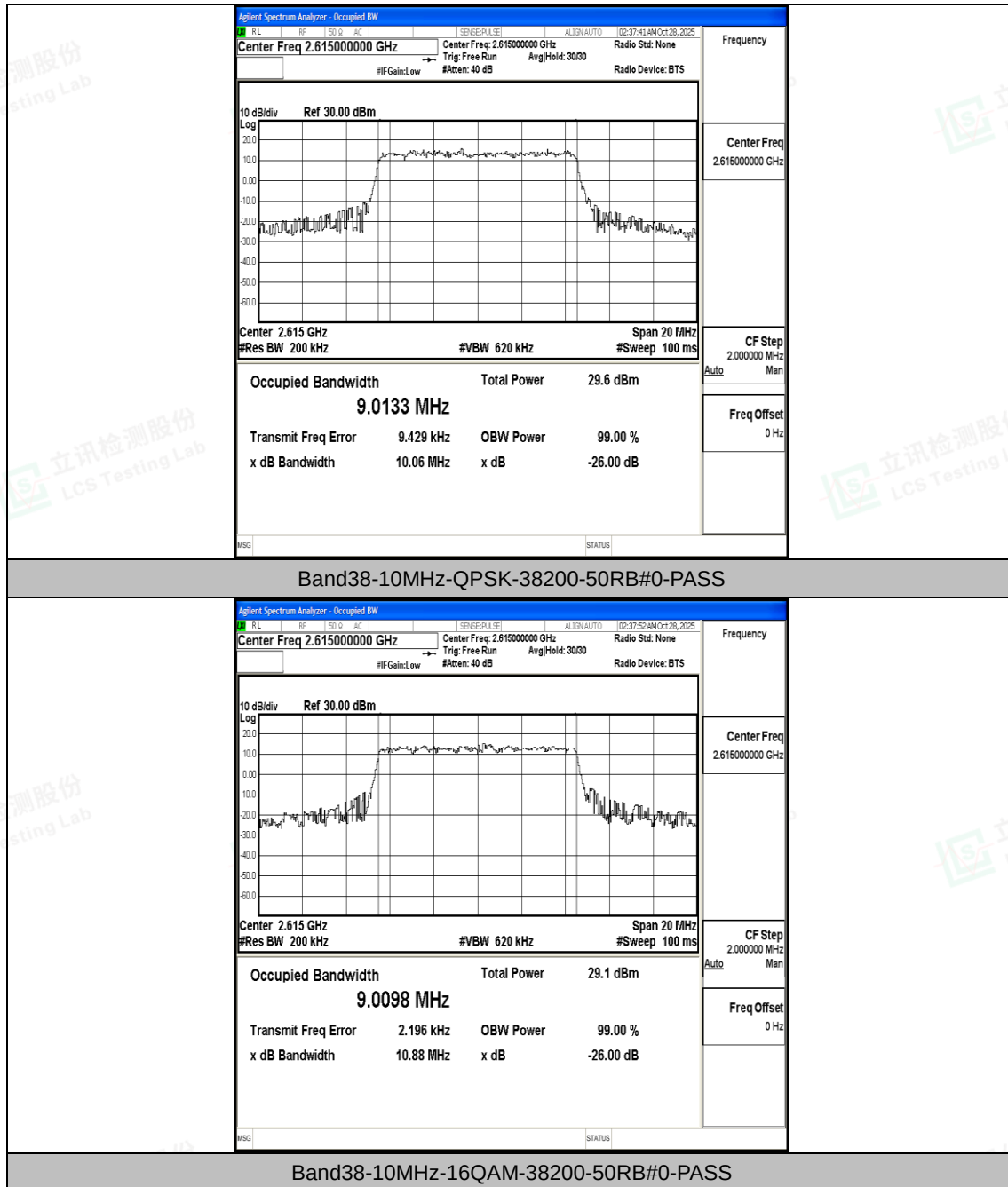


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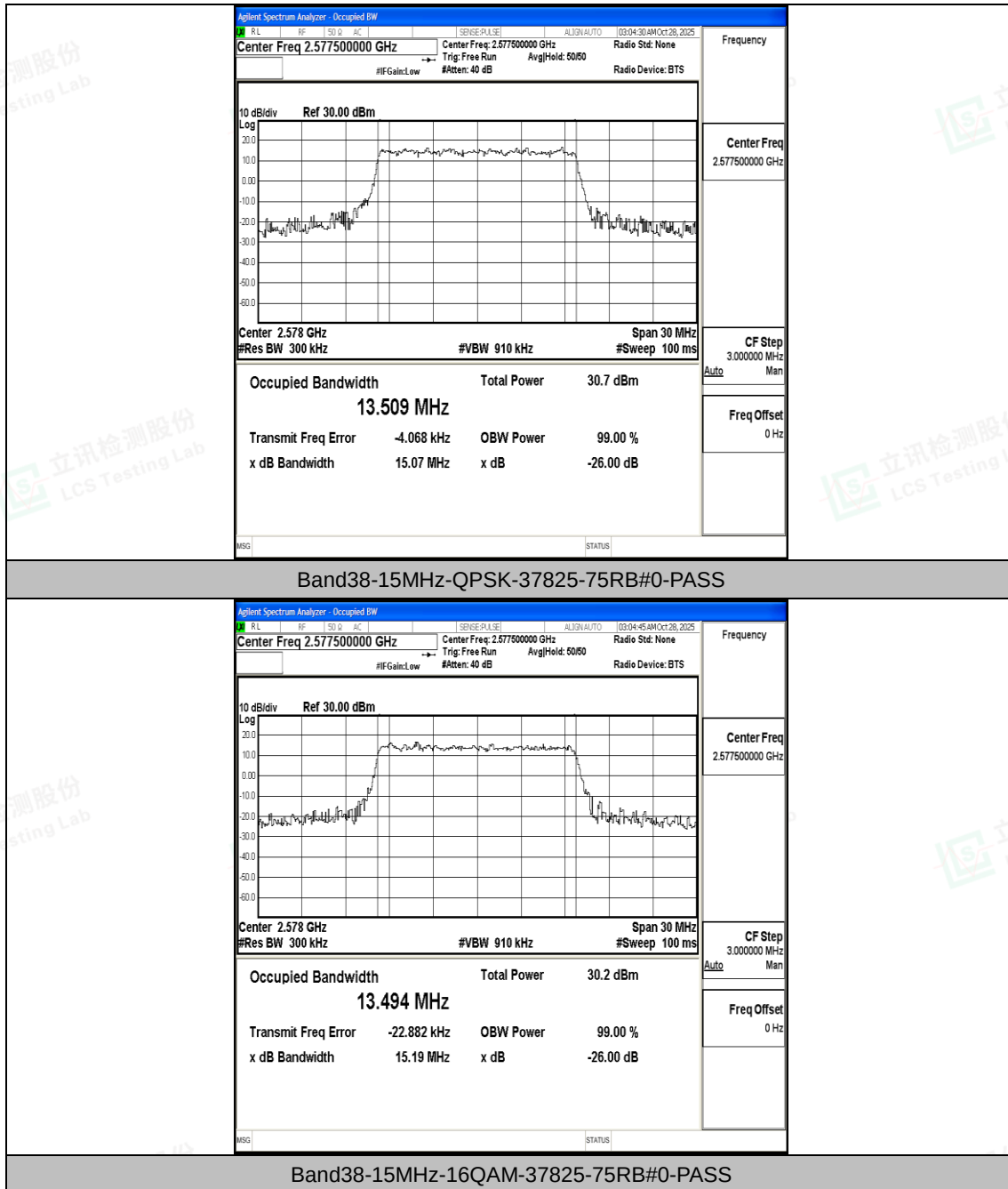


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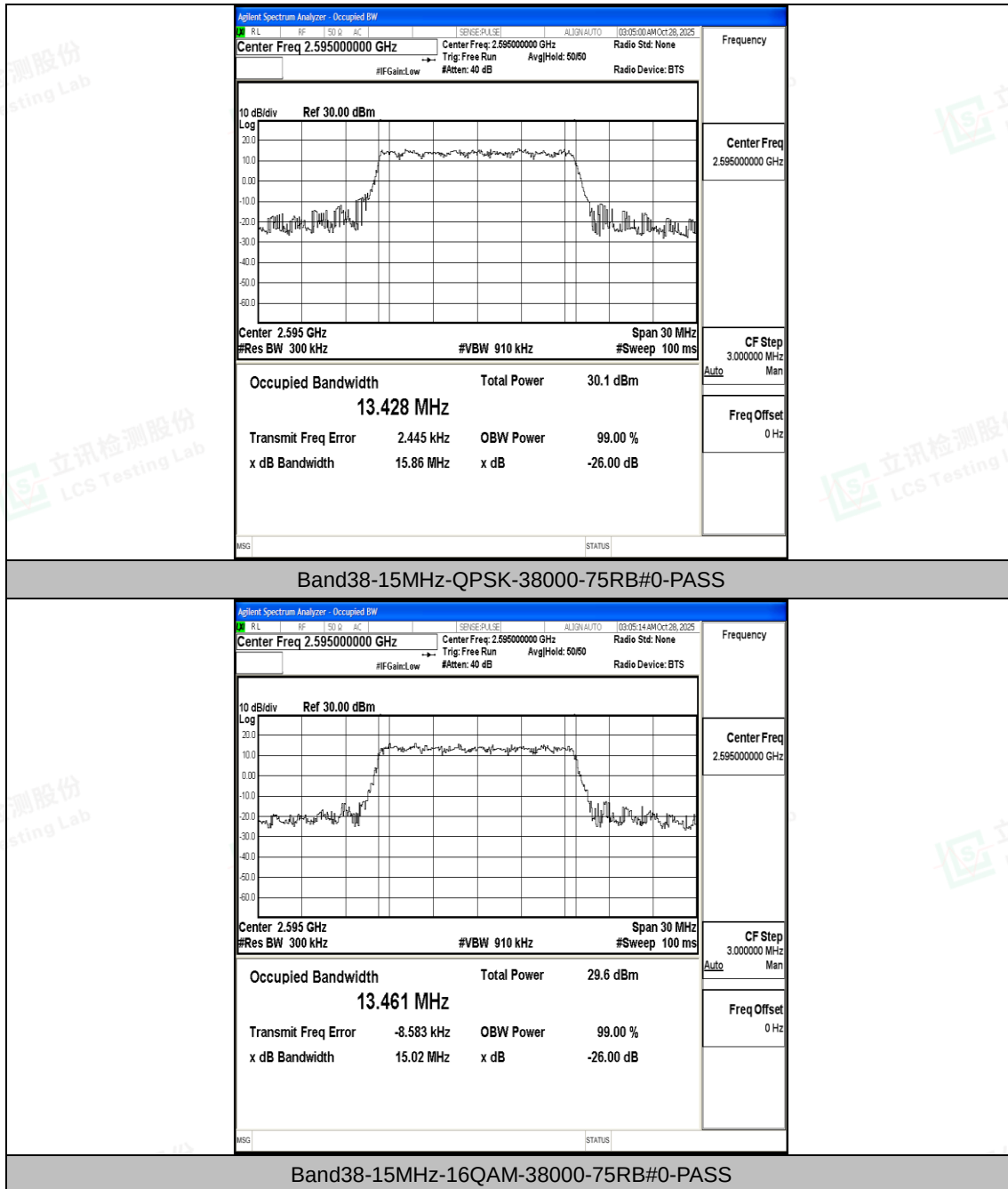


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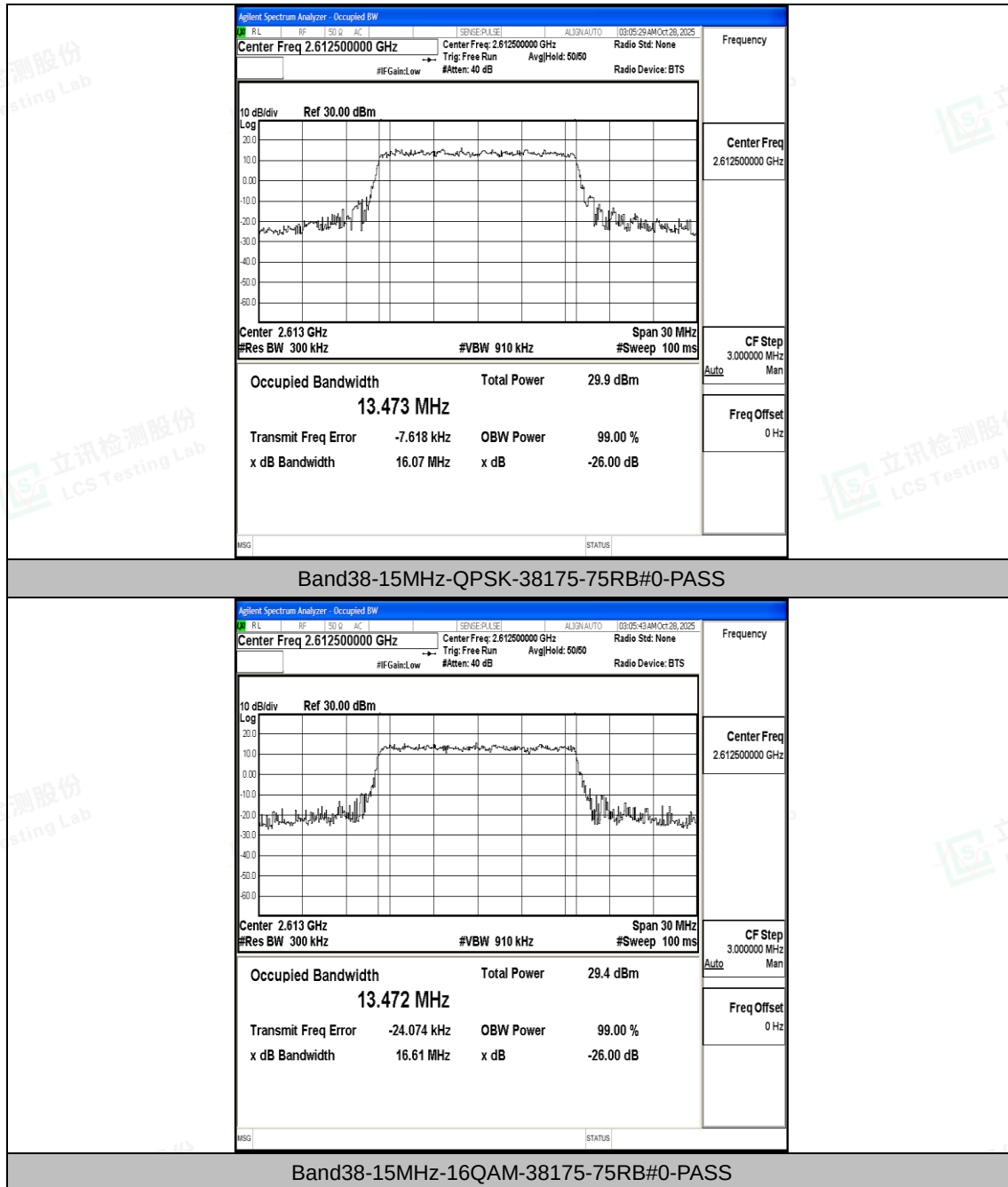


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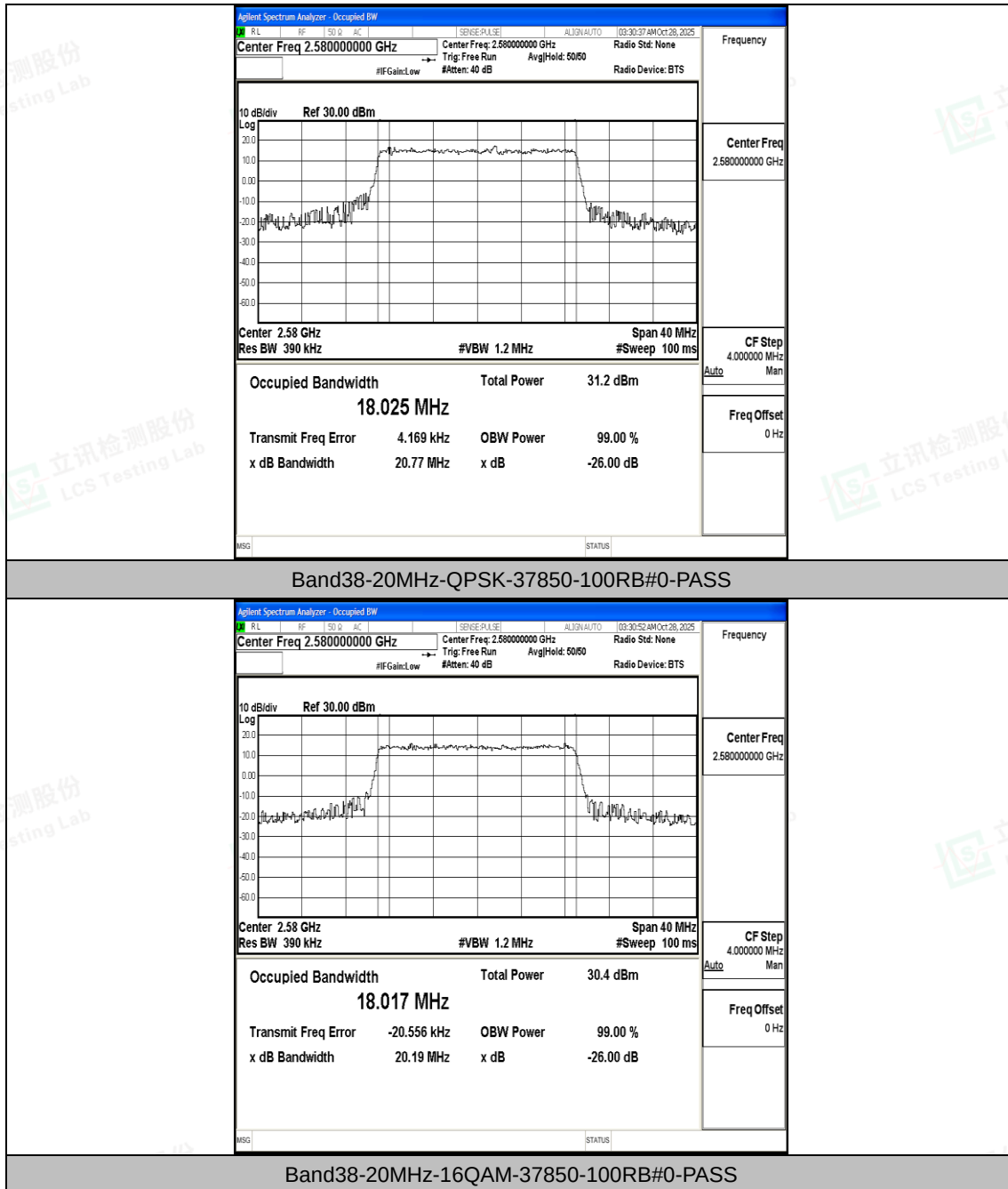


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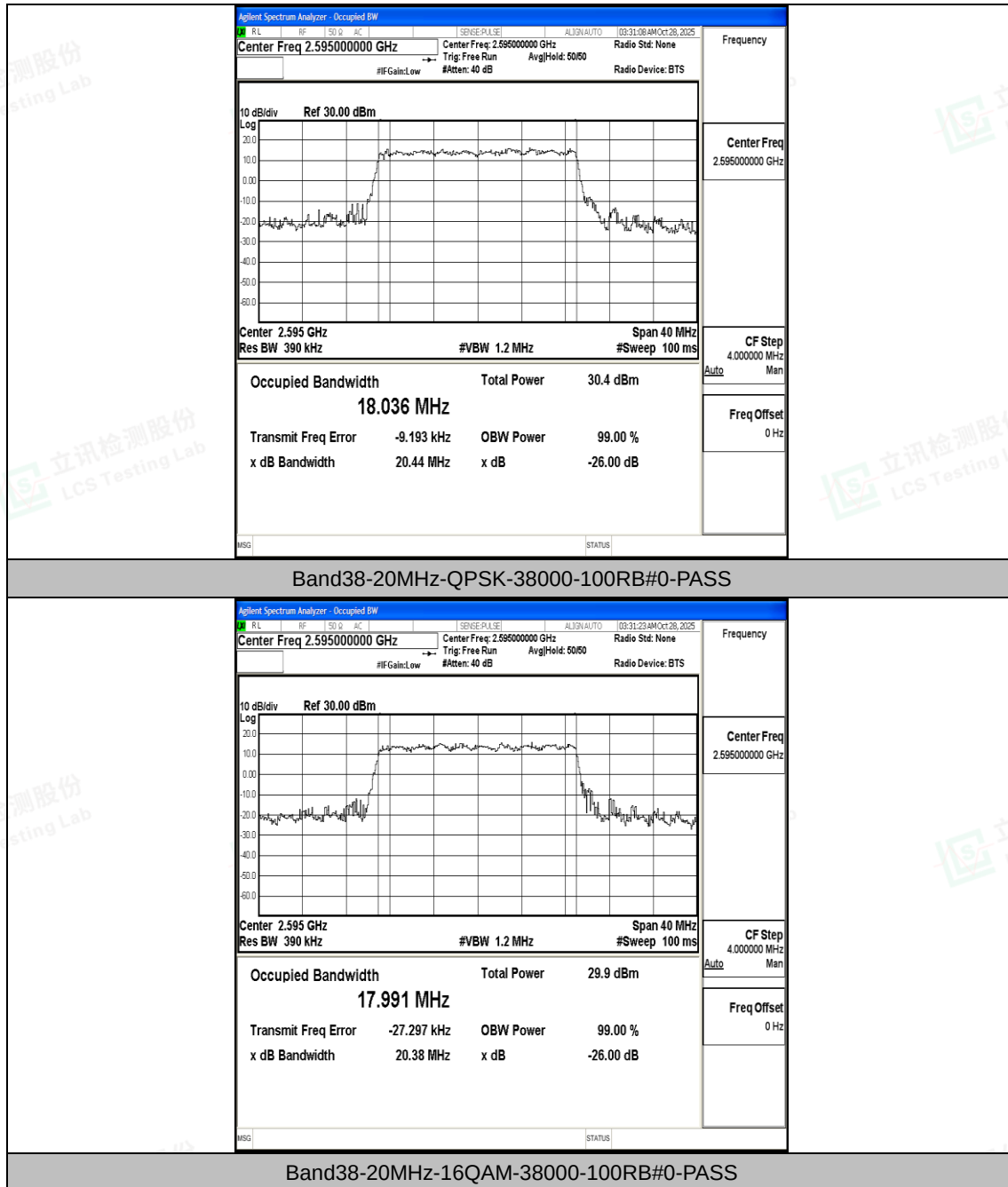


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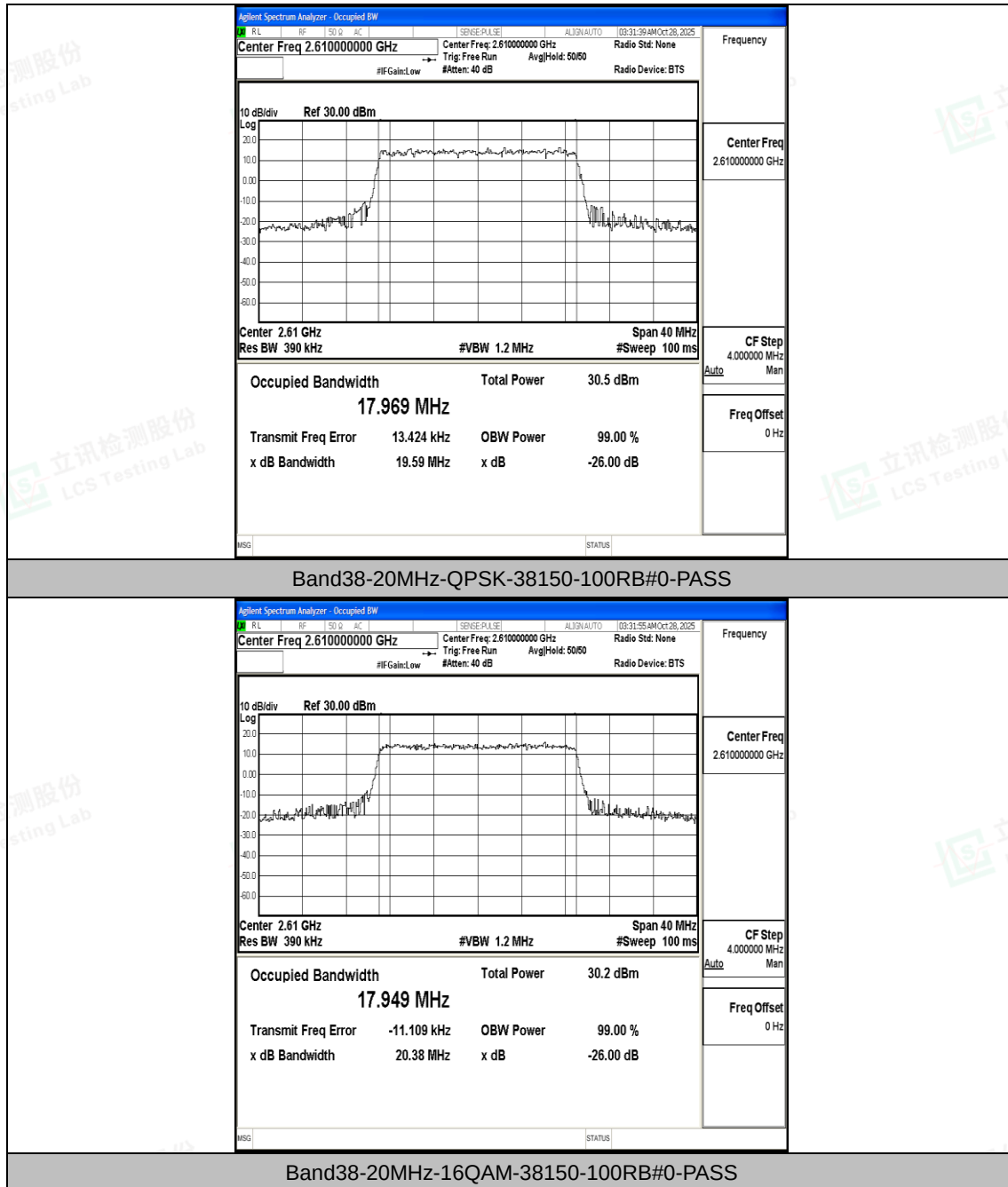


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