



Appendix O: Test Data for E-UTRA Band 38

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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O.1 Conducted Output Power Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band38	5MHz	QPSK	37775	12RB#6	22.11	PASS
Band38	5MHz	16QAM	37775	12RB#6	21.06	PASS
Band38	5MHz	QPSK	37775	12RB#13	22.06	PASS
Band38	5MHz	16QAM	37775	12RB#13	20.99	PASS
Band38	5MHz	QPSK	37775	25RB#0	22.09	PASS
Band38	5MHz	16QAM	37775	25RB#0	21.10	PASS
Band38	5MHz	QPSK	38000	1RB#0	22.73	PASS
Band38	5MHz	16QAM	38000	1RB#0	21.86	PASS
Band38	5MHz	QPSK	38000	1RB#12	22.83	PASS
Band38	5MHz	16QAM	38000	1RB#12	21.95	PASS
Band38	5MHz	QPSK	38000	1RB#24	22.65	PASS
Band38	5MHz	QPSK	37775	1RB#0	22.98	PASS
Band38	5MHz	16QAM	38000	1RB#24	21.78	PASS
Band38	5MHz	QPSK	38000	12RB#0	21.83	PASS
Band38	5MHz	16QAM	38000	12RB#0	20.85	PASS
Band38	5MHz	QPSK	38000	12RB#6	21.83	PASS
Band38	5MHz	16QAM	38000	12RB#6	20.85	PASS
Band38	5MHz	QPSK	38000	12RB#13	21.80	PASS
Band38	5MHz	16QAM	38000	12RB#13	20.82	PASS
Band38	5MHz	QPSK	38000	25RB#0	21.84	PASS
Band38	5MHz	16QAM	38000	25RB#0	20.84	PASS
Band38	5MHz	QPSK	38225	1RB#0	22.70	PASS
Band38	5MHz	16QAM	38225	1RB#0	21.97	PASS
Band38	5MHz	QPSK	38225	1RB#12	22.89	PASS
Band38	5MHz	16QAM	38225	1RB#12	22.13	PASS
Band38	5MHz	QPSK	38225	1RB#24	22.80	PASS
Band38	5MHz	16QAM	38225	1RB#24	22.06	PASS
Band38	5MHz	QPSK	38225	12RB#0	21.76	PASS
Band38	5MHz	16QAM	38225	12RB#0	20.74	PASS
Band38	5MHz	QPSK	38225	12RB#6	21.78	PASS
Band38	5MHz	16QAM	38225	12RB#6	20.73	PASS
Band38	5MHz	QPSK	38225	12RB#13	21.90	PASS
Band38	5MHz	16QAM	38225	12RB#13	20.85	PASS
Band38	5MHz	QPSK	38225	25RB#0	21.87	PASS
Band38	5MHz	16QAM	38225	25RB#0	20.84	PASS
Band38	10MHz	QPSK	37800	1RB#0	23.09	PASS



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Band38	10MHz	16QAM	37800	1RB#0	22.27	PASS
Band38	10MHz	QPSK	37800	1RB#24	23.33	PASS
Band38	10MHz	16QAM	37800	1RB#24	22.49	PASS
Band38	10MHz	QPSK	37800	1RB#49	23.14	PASS
Band38	10MHz	16QAM	37800	1RB#49	22.30	PASS
Band38	10MHz	QPSK	37800	25RB#0	22.22	PASS
Band38	10MHz	16QAM	37800	25RB#0	21.29	PASS
Band38	10MHz	QPSK	37800	25RB#12	22.19	PASS
Band38	10MHz	16QAM	37800	25RB#12	21.26	PASS
Band38	10MHz	QPSK	37800	25RB#25	22.10	PASS
Band38	10MHz	16QAM	37800	25RB#25	21.16	PASS
Band38	10MHz	QPSK	37800	50RB#0	22.18	PASS
Band38	10MHz	16QAM	37800	50RB#0	21.18	PASS
Band38	10MHz	QPSK	38000	1RB#0	22.97	PASS
Band38	10MHz	16QAM	38000	1RB#0	21.64	PASS
Band38	10MHz	QPSK	38000	1RB#24	23.10	PASS
Band38	10MHz	16QAM	38000	1RB#24	21.77	PASS
Band38	10MHz	QPSK	38000	1RB#49	22.75	PASS
Band38	10MHz	16QAM	38000	1RB#49	21.46	PASS
Band38	10MHz	QPSK	38000	25RB#0	21.95	PASS
Band38	10MHz	16QAM	38000	25RB#0	20.98	PASS
Band38	10MHz	QPSK	38000	25RB#12	21.95	PASS
Band38	10MHz	16QAM	38000	25RB#12	20.96	PASS
Band38	10MHz	QPSK	38000	25RB#25	21.82	PASS
Band38	10MHz	16QAM	38000	25RB#25	20.85	PASS
Band38	10MHz	QPSK	38000	50RB#0	21.89	PASS
Band38	10MHz	16QAM	38000	50RB#0	20.92	PASS
Band38	10MHz	QPSK	38200	1RB#0	22.72	PASS
Band38	10MHz	16QAM	38200	1RB#0	21.89	PASS
Band38	10MHz	QPSK	38200	1RB#24	23.02	PASS
Band38	10MHz	16QAM	38200	1RB#24	22.15	PASS
Band38	10MHz	QPSK	38200	1RB#49	22.91	PASS
Band38	10MHz	16QAM	38200	1RB#49	22.06	PASS
Band38	10MHz	QPSK	38200	25RB#0	21.74	PASS
Band38	10MHz	16QAM	38200	25RB#0	20.79	PASS
Band38	10MHz	QPSK	38200	25RB#12	21.75	PASS
Band38	10MHz	16QAM	38200	25RB#12	20.79	PASS
Band38	10MHz	QPSK	38200	25RB#25	21.96	PASS
Band38	10MHz	16QAM	38200	25RB#25	21.00	PASS
Band38	10MHz	QPSK	38200	50RB#0	21.86	PASS



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Band38	10MHz	16QAM	38200	50RB#0	20.86	PASS
Band38	15MHz	QPSK	37825	1RB#0	23.00	PASS
Band38	15MHz	16QAM	37825	1RB#0	22.19	PASS
Band38	15MHz	QPSK	37825	1RB#38	23.15	PASS
Band38	15MHz	16QAM	37825	1RB#38	22.31	PASS
Band38	15MHz	QPSK	37825	1RB#74	22.96	PASS
Band38	15MHz	16QAM	37825	1RB#74	22.12	PASS
Band38	15MHz	QPSK	37825	38RB#0	22.16	PASS
Band38	15MHz	16QAM	37825	38RB#0	22.15	PASS
Band38	15MHz	QPSK	37825	38RB#18	22.17	PASS
Band38	15MHz	16QAM	37825	38RB#18	22.15	PASS
Band38	15MHz	QPSK	37825	38RB#37	22.15	PASS
Band38	15MHz	16QAM	37825	38RB#37	22.16	PASS
Band38	15MHz	QPSK	37825	75RB#0	22.15	PASS
Band38	15MHz	16QAM	37825	75RB#0	21.16	PASS
Band38	15MHz	QPSK	38000	1RB#0	22.96	PASS
Band38	15MHz	16QAM	38000	1RB#0	21.78	PASS
Band38	15MHz	QPSK	38000	1RB#38	22.99	PASS
Band38	15MHz	16QAM	38000	1RB#38	21.72	PASS
Band38	15MHz	QPSK	38000	1RB#74	22.68	PASS
Band38	15MHz	16QAM	38000	1RB#74	21.44	PASS
Band38	15MHz	QPSK	38000	38RB#0	21.95	PASS
Band38	15MHz	16QAM	38000	38RB#0	21.94	PASS
Band38	15MHz	QPSK	38000	38RB#18	21.93	PASS
Band38	15MHz	16QAM	38000	38RB#18	21.96	PASS
Band38	15MHz	QPSK	38000	38RB#37	21.96	PASS
Band38	15MHz	16QAM	38000	38RB#37	21.96	PASS
Band38	15MHz	QPSK	38000	75RB#0	21.95	PASS
Band38	15MHz	16QAM	38000	75RB#0	20.95	PASS
Band38	15MHz	QPSK	38175	1RB#0	22.64	PASS
Band38	15MHz	16QAM	38175	1RB#0	21.73	PASS
Band38	15MHz	QPSK	38175	1RB#38	22.75	PASS
Band38	15MHz	16QAM	38175	1RB#38	21.92	PASS
Band38	15MHz	QPSK	38175	1RB#74	22.79	PASS
Band38	15MHz	16QAM	38175	1RB#74	21.94	PASS
Band38	15MHz	QPSK	38175	38RB#0	21.91	PASS
Band38	15MHz	16QAM	38175	38RB#0	21.90	PASS
Band38	15MHz	QPSK	38175	38RB#18	21.90	PASS
Band38	15MHz	16QAM	38175	38RB#18	21.90	PASS
Band38	15MHz	QPSK	38175	38RB#37	21.90	PASS



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Band38	15MHz	16QAM	38175	38RB#37	21.89	PASS
Band38	15MHz	QPSK	38175	75RB#0	21.90	PASS
Band38	15MHz	16QAM	38175	75RB#0	20.87	PASS
Band38	20MHz	QPSK	37850	1RB#0	22.83	PASS
Band38	20MHz	16QAM	37850	1RB#0	21.82	PASS
Band38	20MHz	QPSK	37850	1RB#49	23.29	PASS
Band38	20MHz	16QAM	37850	1RB#49	22.30	PASS
Band38	20MHz	QPSK	37850	1RB#99	22.74	PASS
Band38	20MHz	16QAM	37850	1RB#99	21.76	PASS
Band38	20MHz	QPSK	37850	50RB#0	22.18	PASS
Band38	20MHz	16QAM	37850	50RB#0	21.20	PASS
Band38	20MHz	QPSK	37850	50RB#25	22.16	PASS
Band38	20MHz	16QAM	37850	50RB#25	21.22	PASS
Band38	20MHz	QPSK	37850	50RB#50	21.95	PASS
Band38	20MHz	16QAM	37850	50RB#50	20.98	PASS
Band38	20MHz	QPSK	37850	100RB#0	22.12	PASS
Band38	20MHz	16QAM	37850	100RB#0	21.10	PASS
Band38	20MHz	QPSK	38000	1RB#0	22.75	PASS
Band38	20MHz	16QAM	38000	1RB#0	21.36	PASS
Band38	20MHz	QPSK	38000	1RB#49	22.94	PASS
Band38	20MHz	16QAM	38000	1RB#49	21.54	PASS
Band38	20MHz	QPSK	38000	1RB#99	22.40	PASS
Band38	20MHz	16QAM	38000	1RB#99	21.01	PASS
Band38	20MHz	QPSK	38000	50RB#0	21.99	PASS
Band38	20MHz	16QAM	38000	50RB#0	21.05	PASS
Band38	20MHz	QPSK	38000	50RB#25	22.00	PASS
Band38	20MHz	16QAM	38000	50RB#25	21.06	PASS
Band38	20MHz	QPSK	38000	50RB#50	21.75	PASS
Band38	20MHz	16QAM	38000	50RB#50	20.80	PASS
Band38	20MHz	QPSK	38000	100RB#0	21.87	PASS
Band38	20MHz	16QAM	38000	100RB#0	20.89	PASS
Band38	20MHz	QPSK	38150	1RB#0	22.48	PASS
Band38	20MHz	16QAM	38150	1RB#0	21.47	PASS
Band38	20MHz	QPSK	38150	1RB#49	22.92	PASS
Band38	20MHz	16QAM	38150	1RB#49	21.88	PASS
Band38	20MHz	QPSK	38150	1RB#99	22.63	PASS
Band38	20MHz	16QAM	38150	1RB#99	21.61	PASS
Band38	20MHz	QPSK	38150	50RB#0	21.61	PASS
Band38	20MHz	16QAM	38150	50RB#0	20.63	PASS
Band38	20MHz	QPSK	38150	50RB#25	21.59	PASS



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Band38	20MHz	16QAM	38150	50RB#25	20.63	PASS
Band38	20MHz	QPSK	38150	50RB#50	21.91	PASS
Band38	20MHz	16QAM	38150	50RB#50	20.95	PASS
Band38	20MHz	QPSK	38150	100RB#0	21.78	PASS
Band38	20MHz	16QAM	38150	100RB#0	20.80	PASS
Band38	5MHz	16QAM	37775	1RB#0	22.29	PASS
Band38	5MHz	QPSK	37775	1RB#12	23.14	PASS
Band38	5MHz	16QAM	37775	1RB#12	22.45	PASS
Band38	5MHz	QPSK	37775	1RB#24	22.97	PASS
Band38	5MHz	16QAM	37775	1RB#24	22.32	PASS
Band38	5MHz	QPSK	37775	12RB#0	22.12	PASS
Band38	5MHz	16QAM	37775	12RB#0	21.05	PASS



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O.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	8.72	13	PASS
Band38	5MHz	16QAM	37775	1RB#0	9.20	13	PASS
Band38	5MHz	QPSK	37775	25RB#0	9.05	13	PASS
Band38	5MHz	16QAM	37775	25RB#0	9.75	13	PASS
Band38	5MHz	QPSK	38000	1RB#0	7.83	13	PASS
Band38	5MHz	16QAM	38000	1RB#0	8.61	13	PASS
Band38	5MHz	QPSK	38000	25RB#0	8.97	13	PASS
Band38	5MHz	16QAM	38000	25RB#0	9.61	13	PASS
Band38	5MHz	QPSK	38225	1RB#0	7.49	13	PASS
Band38	5MHz	16QAM	38225	1RB#0	8.60	13	PASS
Band38	5MHz	QPSK	38225	25RB#0	9.14	13	PASS
Band38	5MHz	16QAM	38225	25RB#0	9.57	13	PASS
Band38	10MHz	QPSK	37800	1RB#0	8.71	13	PASS
Band38	10MHz	16QAM	37800	1RB#0	9.25	13	PASS
Band38	10MHz	QPSK	37800	50RB#0	9.06	13	PASS
Band38	10MHz	16QAM	37800	50RB#0	9.92	13	PASS
Band38	10MHz	QPSK	38000	1RB#0	7.66	13	PASS
Band38	10MHz	16QAM	38000	1RB#0	8.61	13	PASS
Band38	10MHz	QPSK	38000	50RB#0	8.78	13	PASS
Band38	10MHz	16QAM	38000	50RB#0	9.76	13	PASS
Band38	10MHz	QPSK	38200	1RB#0	7.24	13	PASS
Band38	10MHz	16QAM	38200	1RB#0	8.59	13	PASS
Band38	10MHz	QPSK	38200	50RB#0	8.78	13	PASS
Band38	10MHz	16QAM	38200	50RB#0	9.50	13	PASS
Band38	15MHz	QPSK	37825	1RB#0	8.56	13	PASS
Band38	15MHz	16QAM	37825	1RB#0	9.59	13	PASS
Band38	15MHz	QPSK	37825	75RB#0	9.73	13	PASS
Band38	15MHz	16QAM	37825	75RB#0	10.19	13	PASS
Band38	15MHz	QPSK	38000	1RB#0	7.98	13	PASS
Band38	15MHz	16QAM	38000	1RB#0	8.62	13	PASS
Band38	15MHz	QPSK	38000	75RB#0	9.02	13	PASS
Band38	15MHz	16QAM	38000	75RB#0	9.65	13	PASS
Band38	15MHz	QPSK	38175	1RB#0	7.87	13	PASS
Band38	15MHz	16QAM	38175	1RB#0	8.55	13	PASS
Band38	15MHz	QPSK	38175	75RB#0	9.13	13	PASS
Band38	15MHz	16QAM	38175	75RB#0	9.71	13	PASS



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Band38	20MHz	QPSK	37850	1RB#0	8.22	13	PASS
Band38	20MHz	16QAM	37850	1RB#0	9.14	13	PASS
Band38	20MHz	QPSK	37850	100RB#0	9.15	13	PASS
Band38	20MHz	16QAM	37850	100RB#0	9.14	13	PASS
Band38	20MHz	QPSK	38000	1RB#0	7.99	13	PASS
Band38	20MHz	16QAM	38000	1RB#0	8.83	13	PASS
Band38	20MHz	QPSK	38000	100RB#0	9.15	13	PASS
Band38	20MHz	16QAM	38000	100RB#0	9.39	13	PASS
Band38	20MHz	QPSK	38150	1RB#0	7.86	13	PASS
Band38	20MHz	16QAM	38150	1RB#0	8.25	13	PASS
Band38	20MHz	QPSK	38150	100RB#0	9.25	13	PASS
Band38	20MHz	16QAM	38150	100RB#0	9.71	13	PASS



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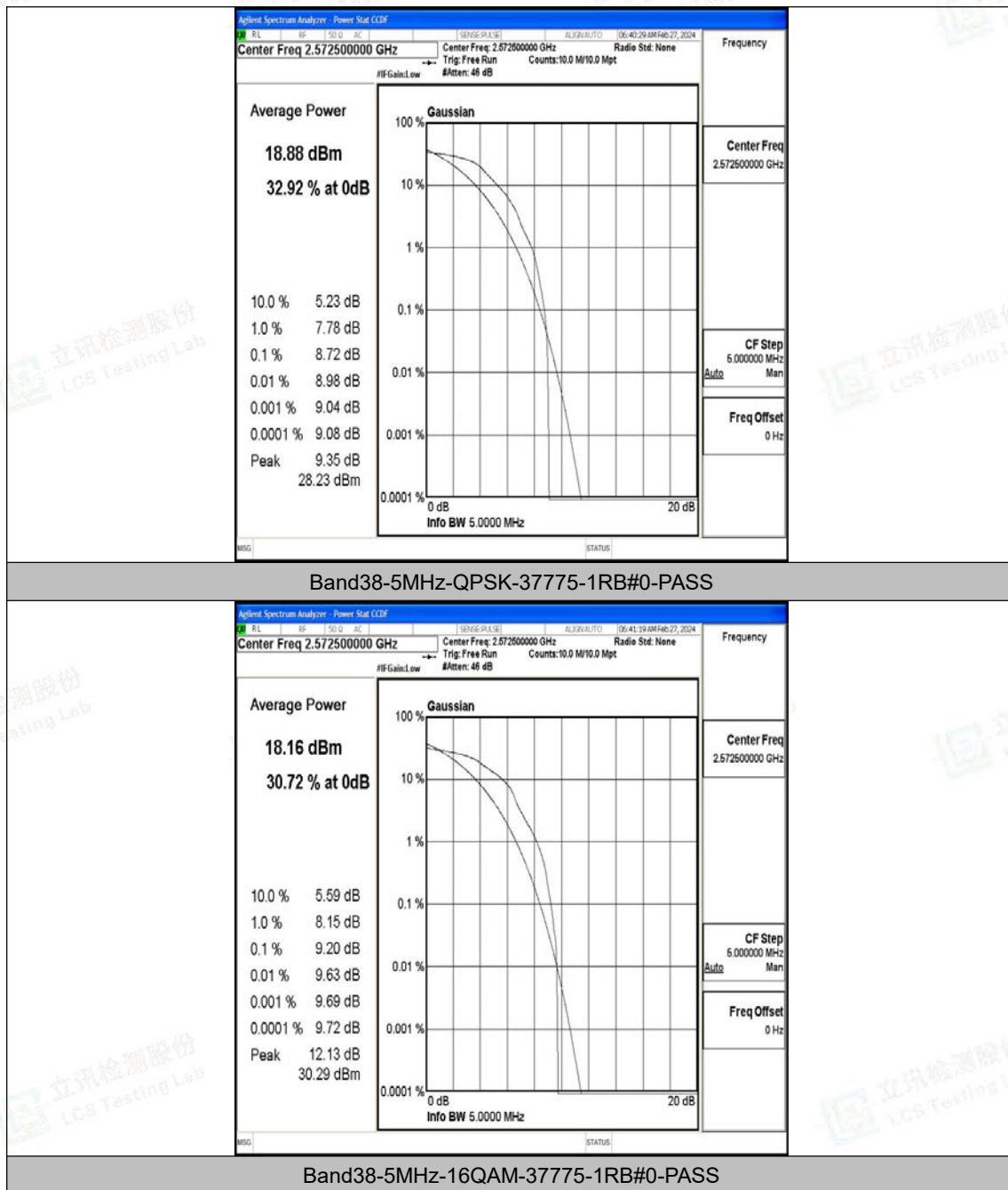
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Test Graphs

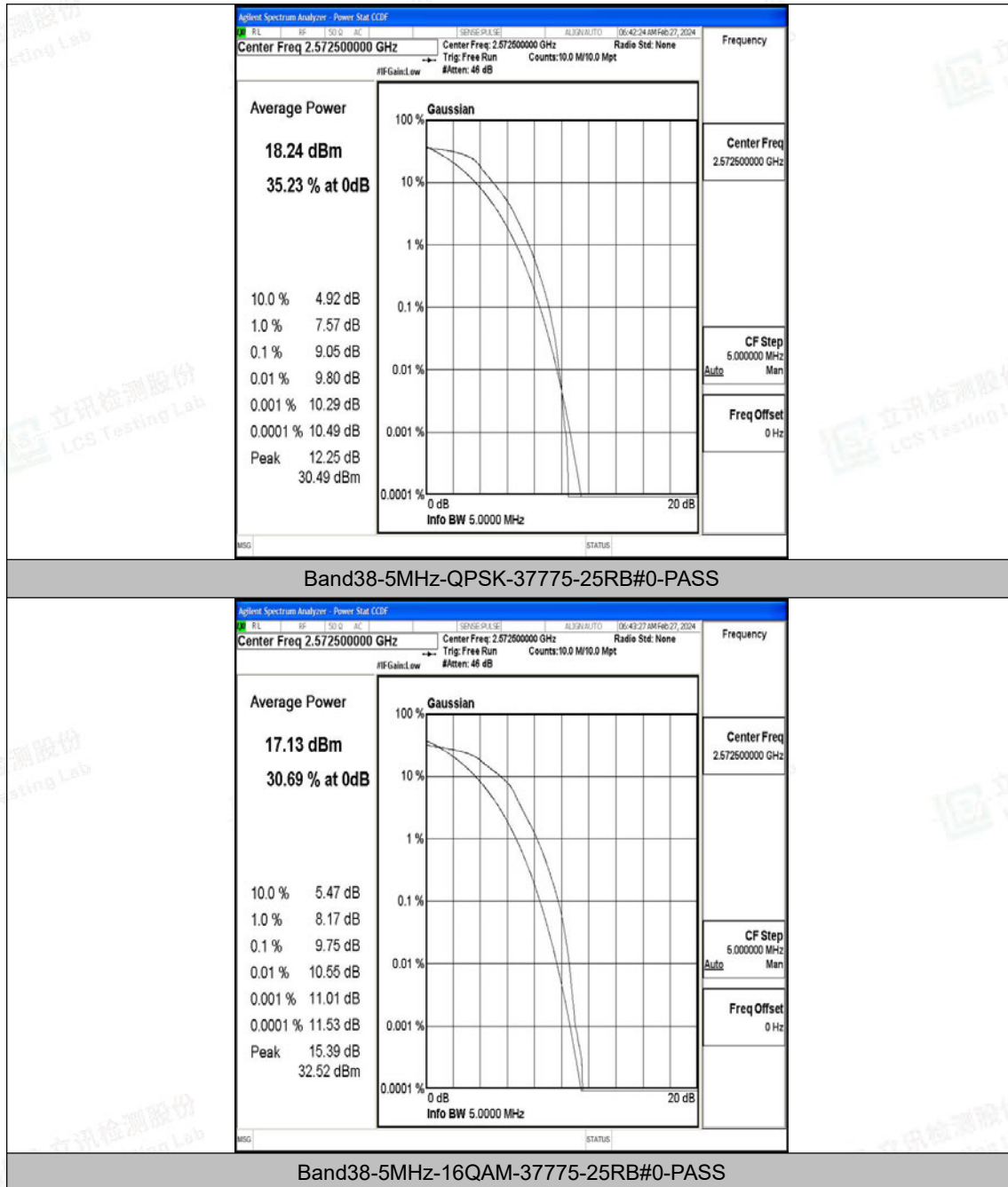


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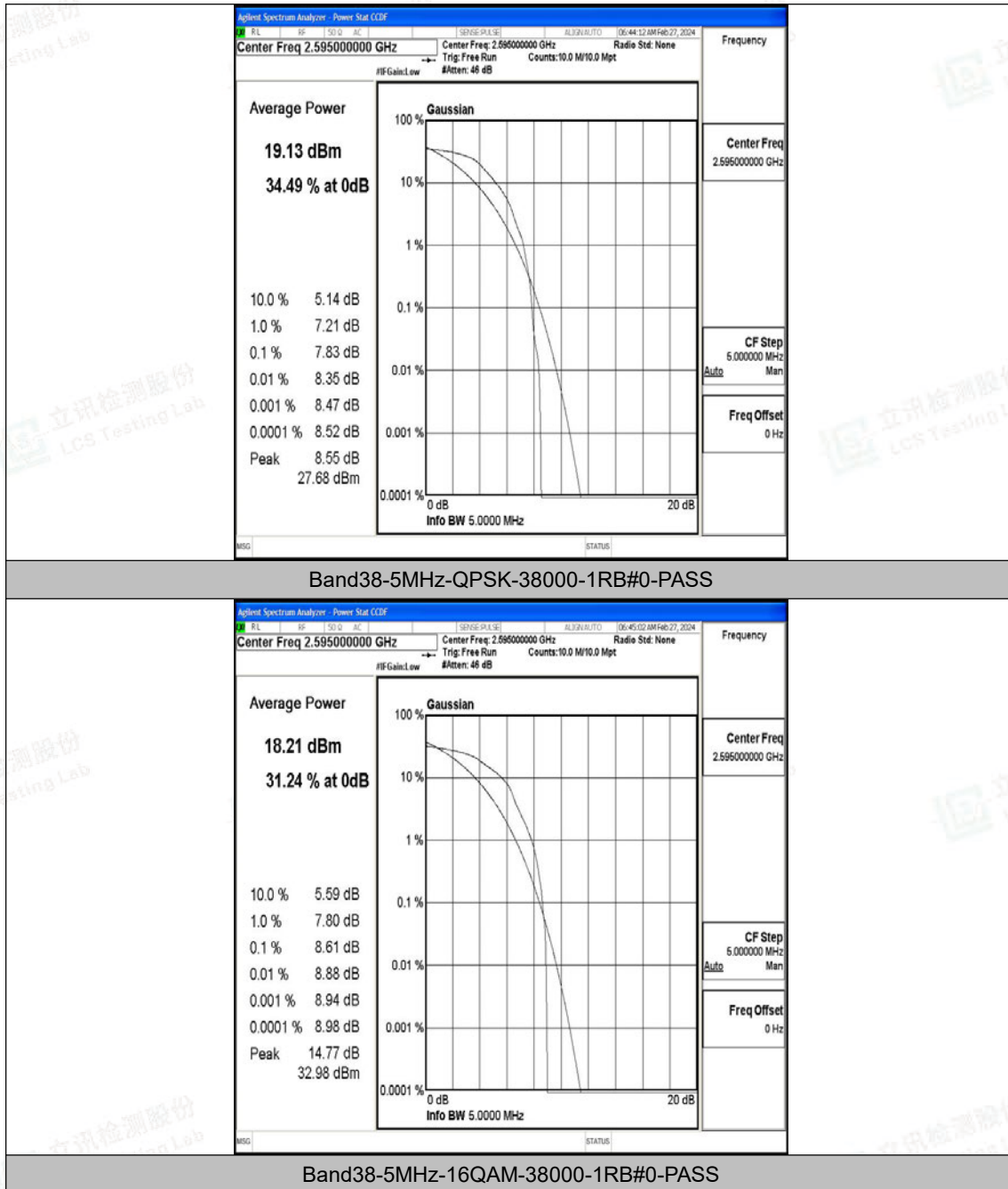


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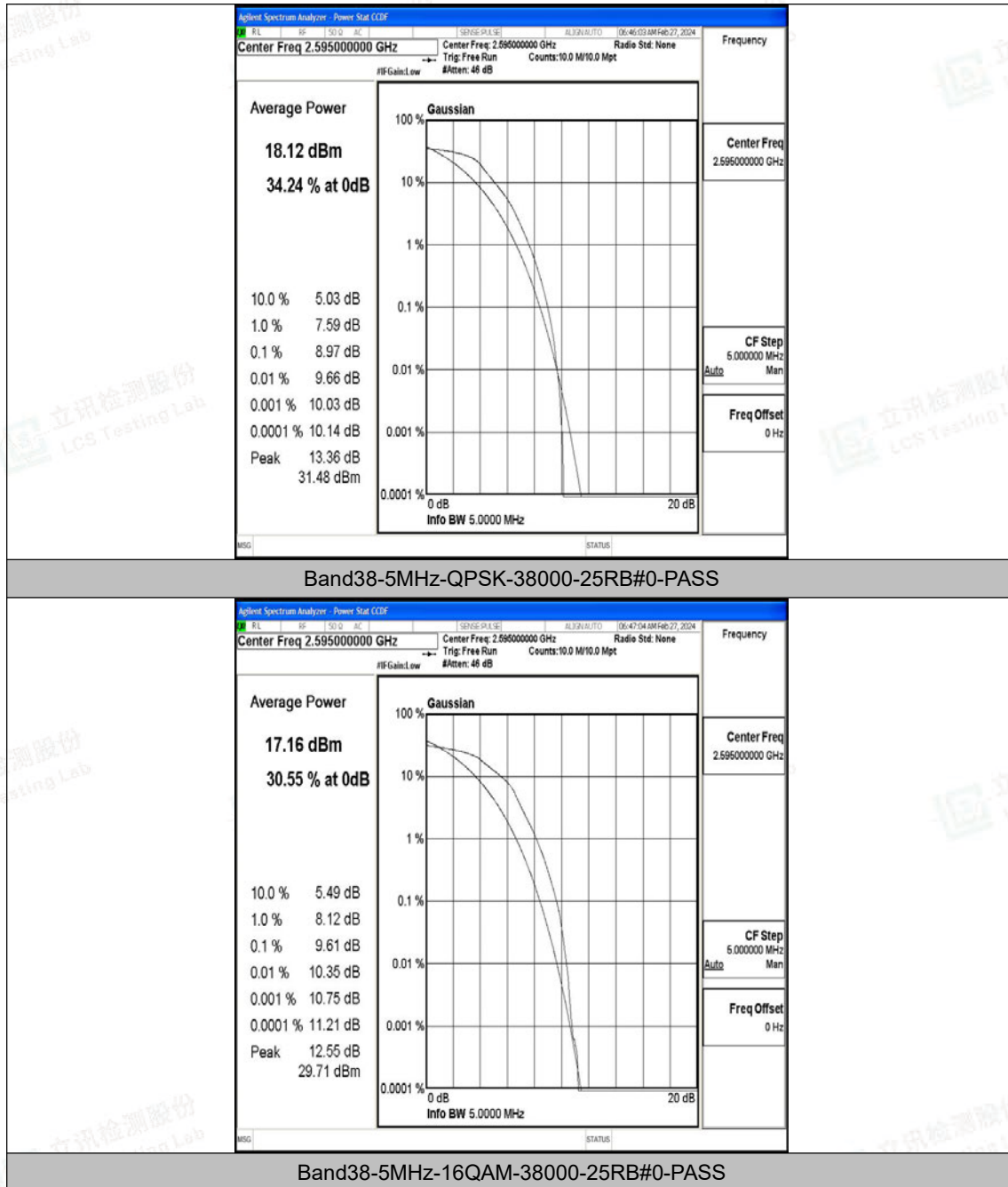


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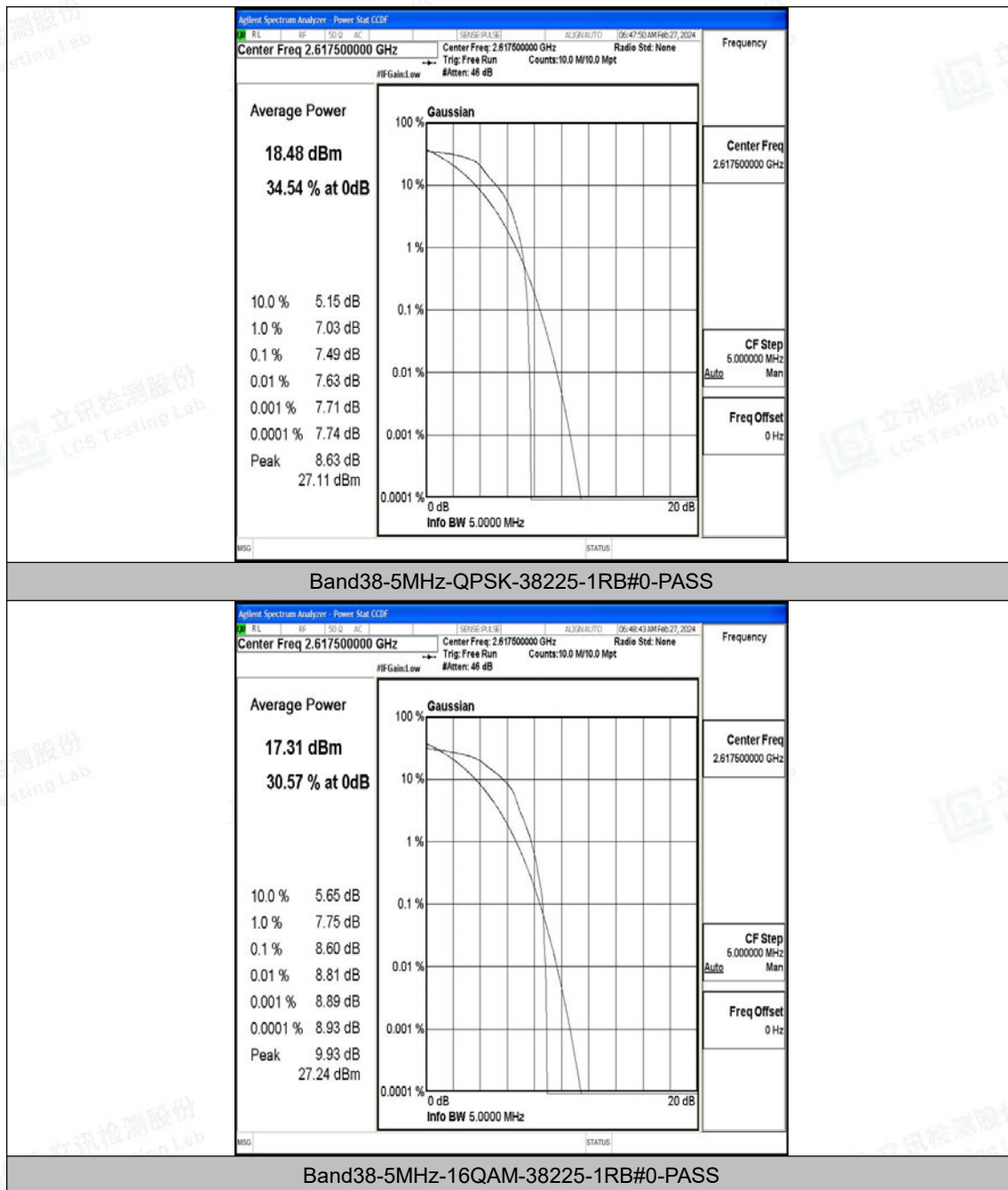


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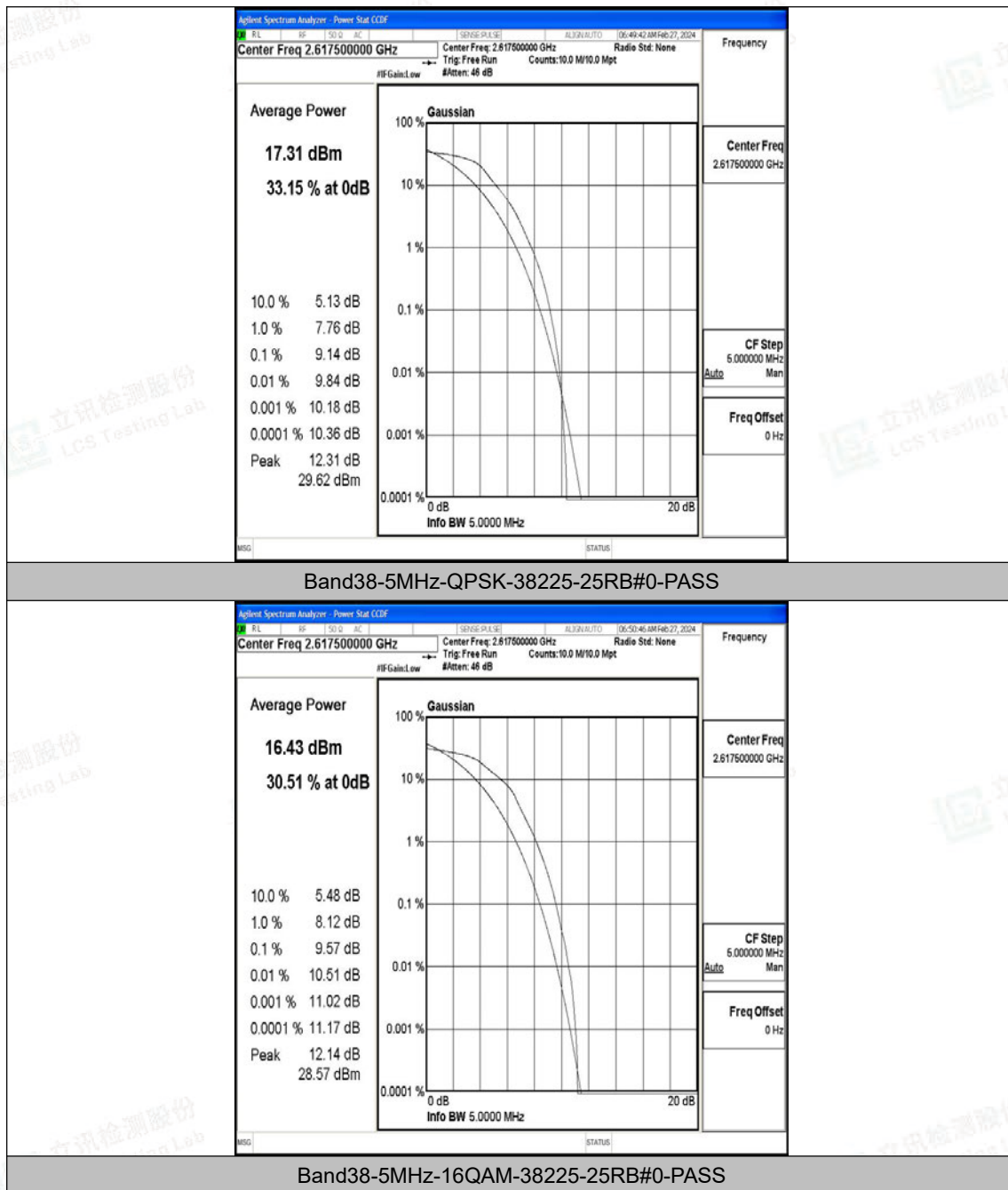


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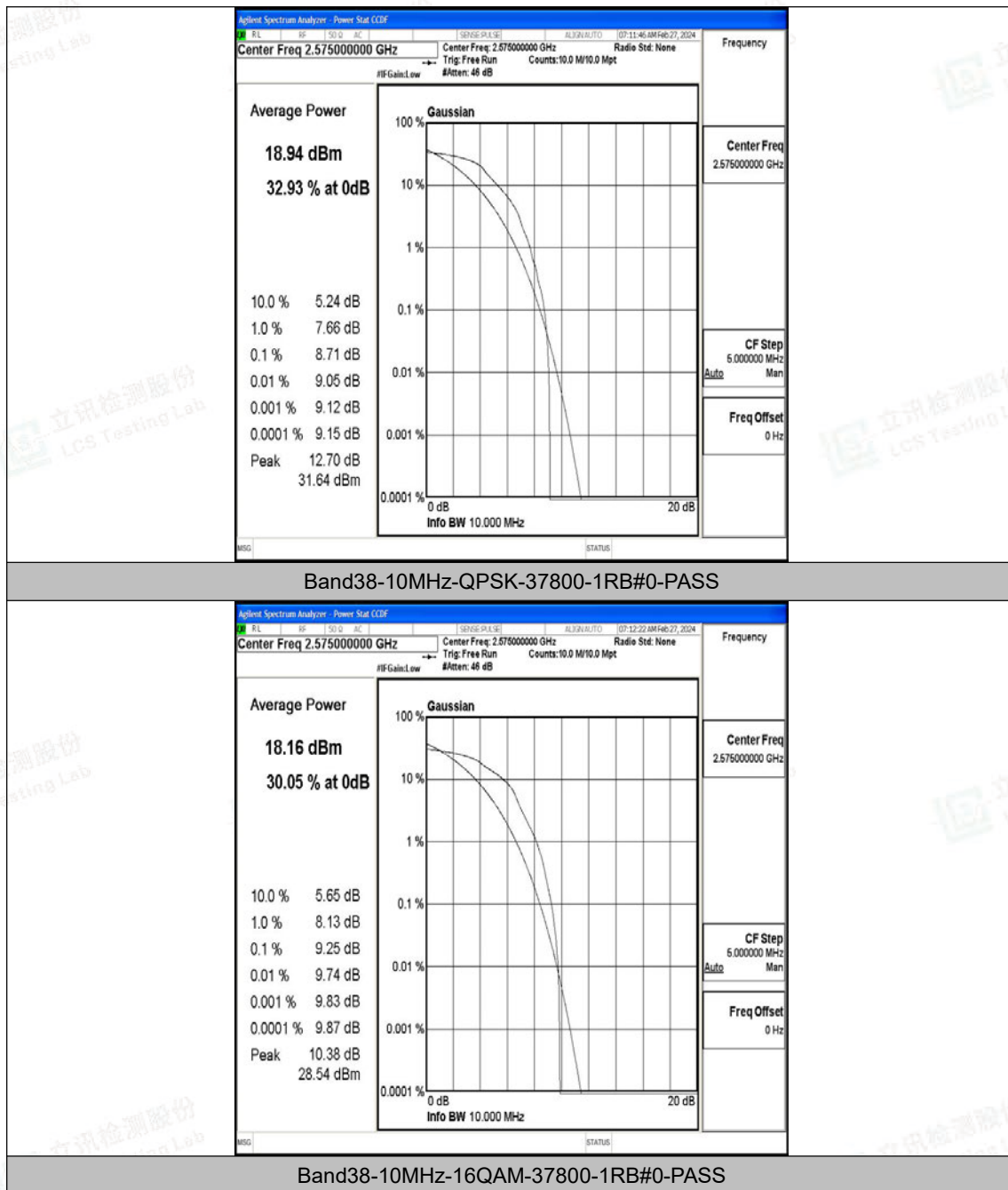


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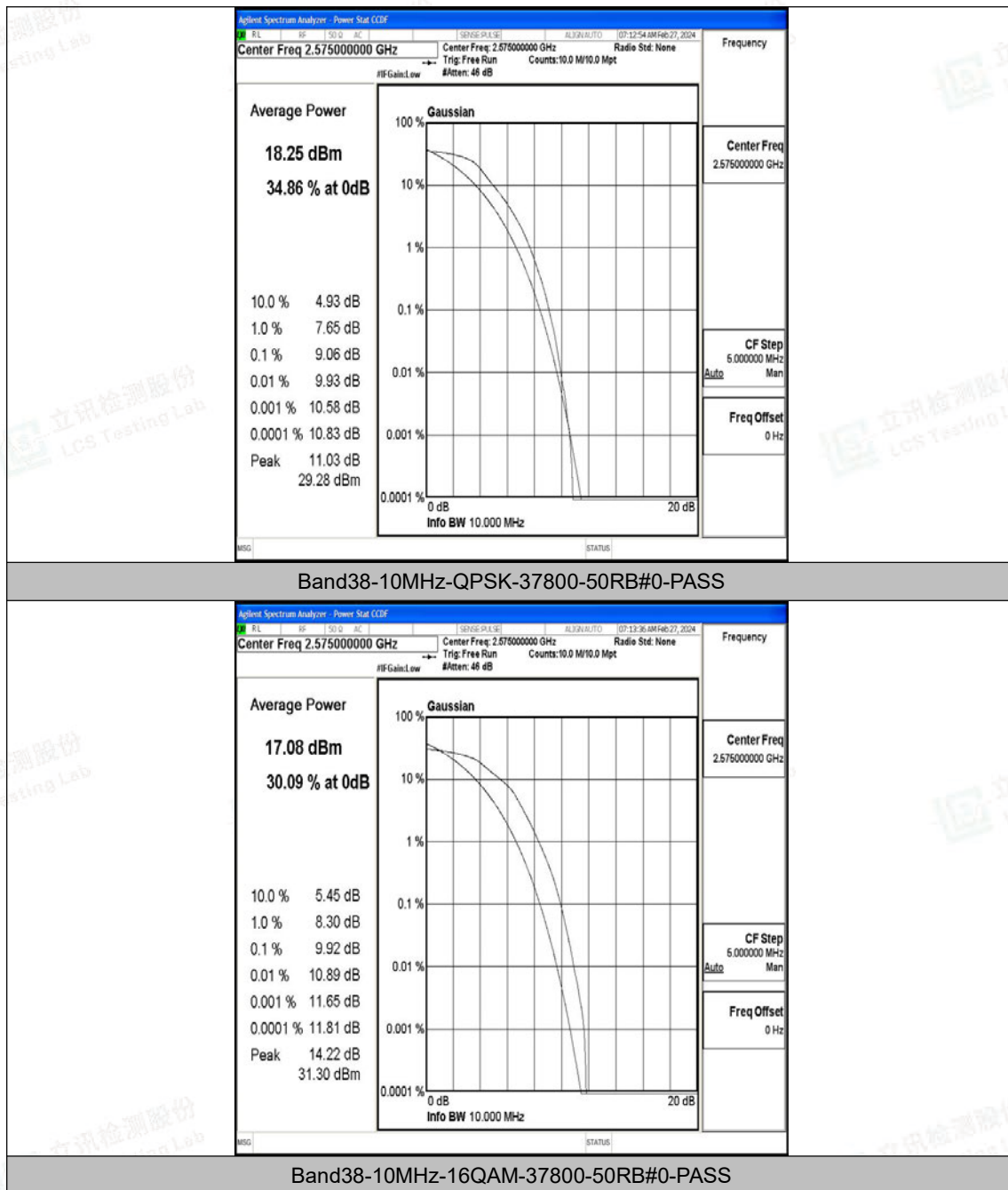


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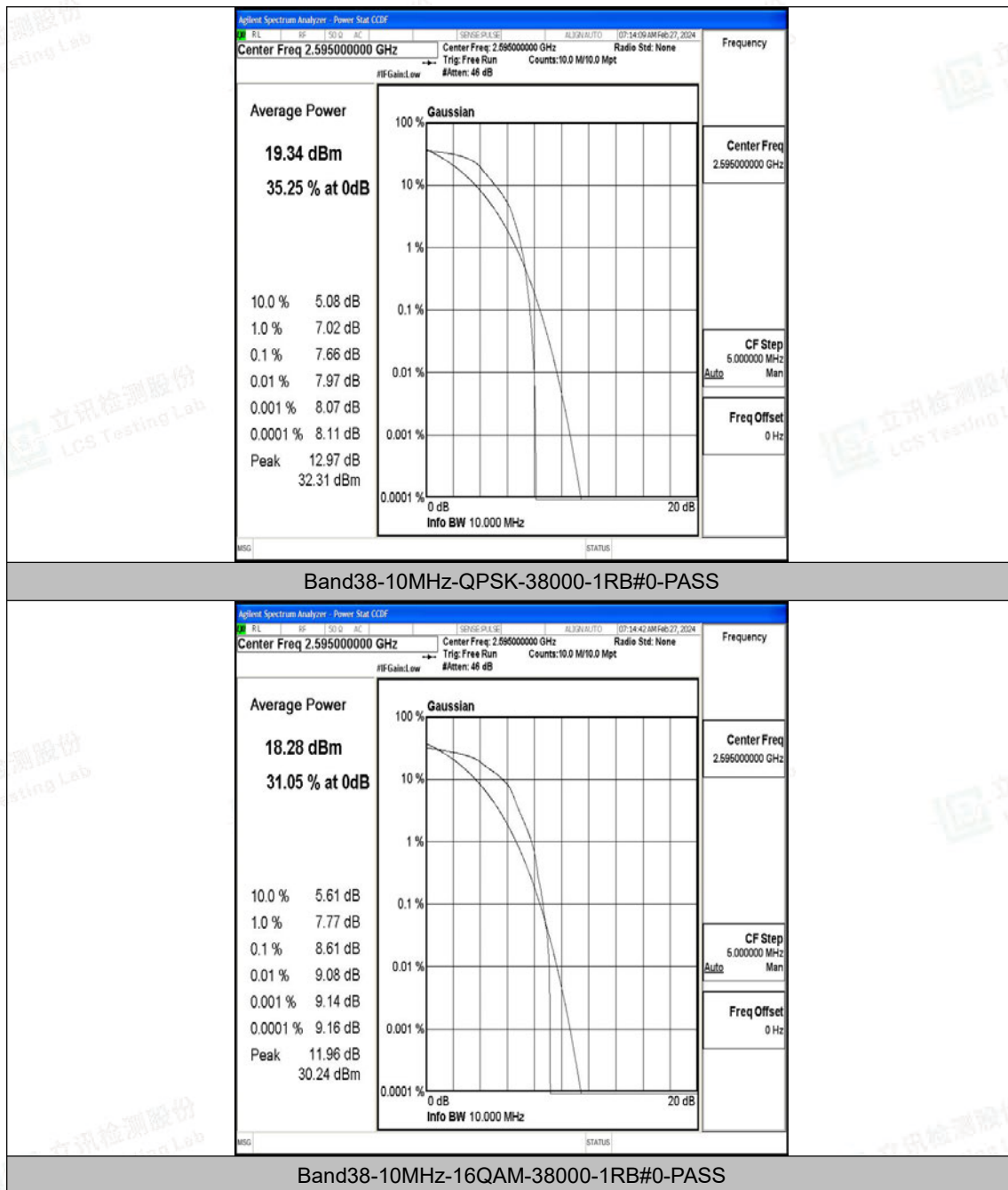


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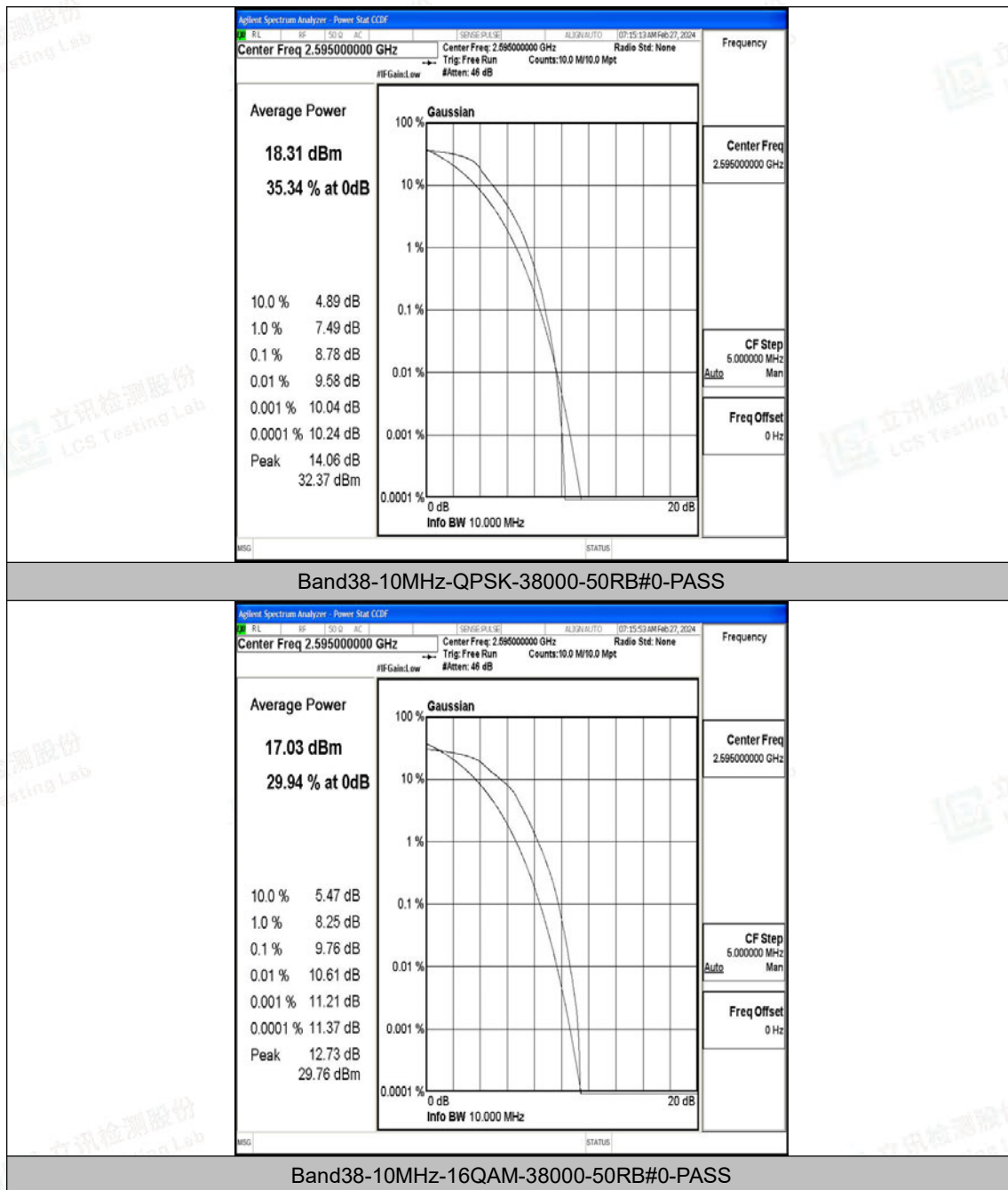


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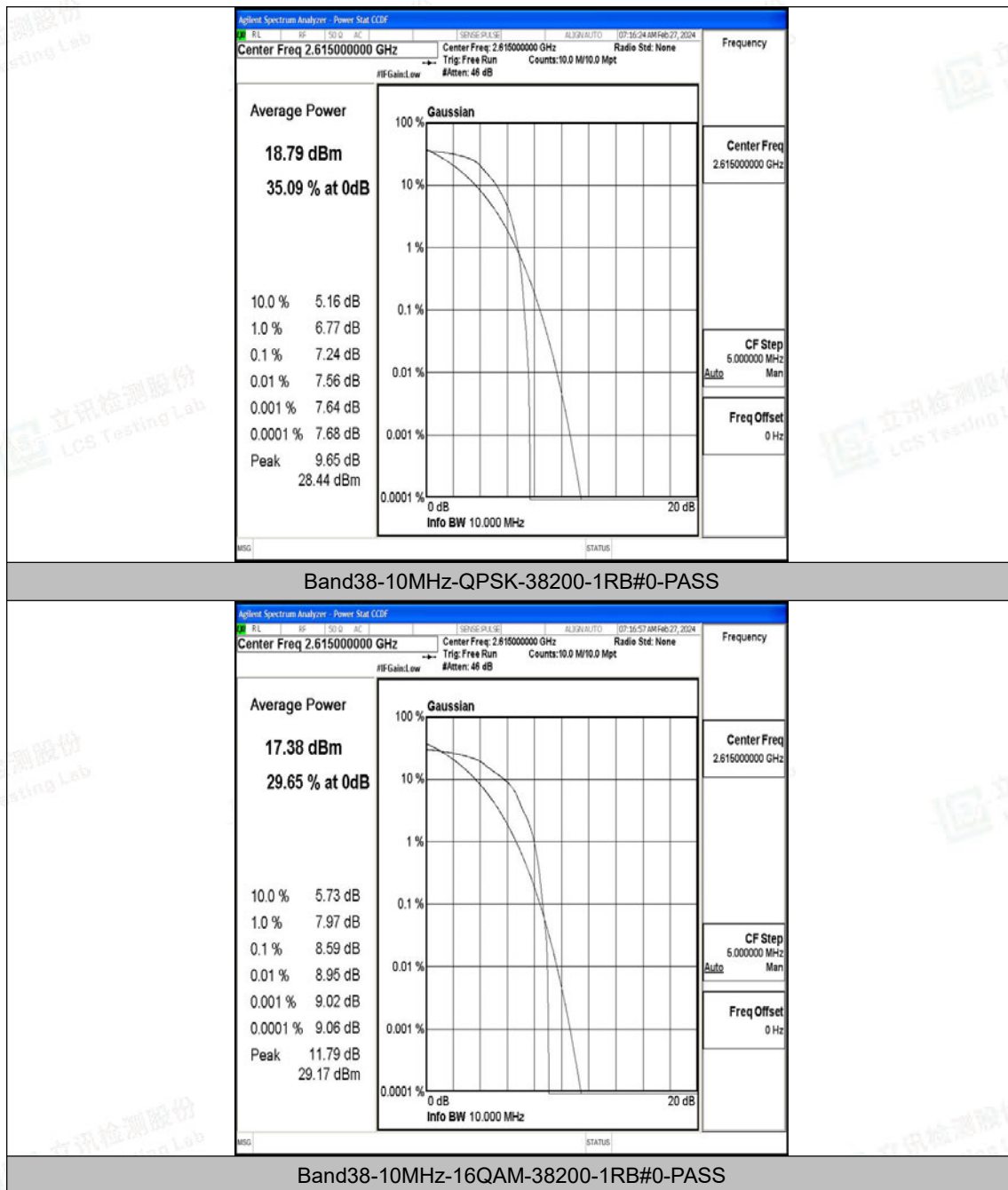


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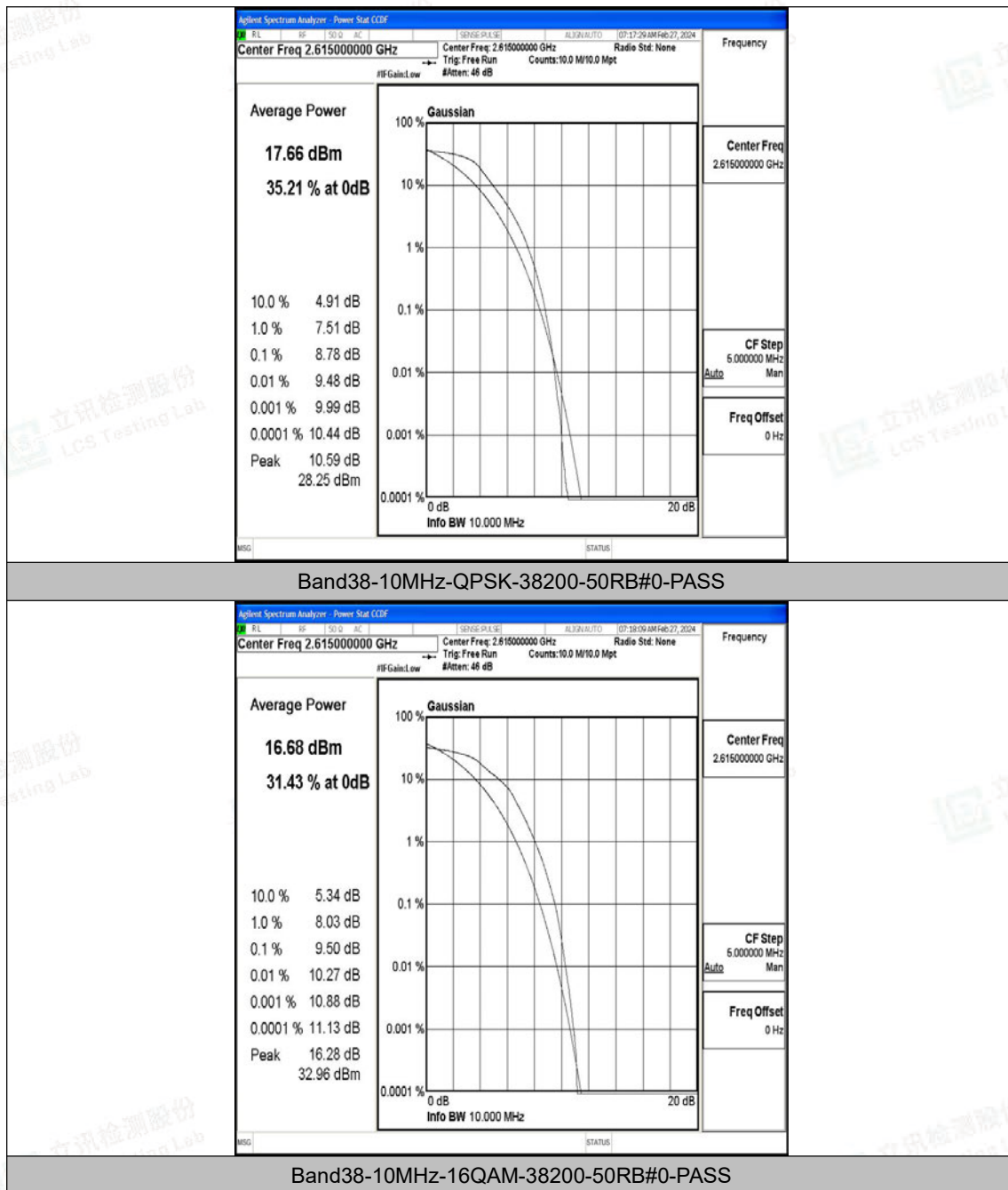


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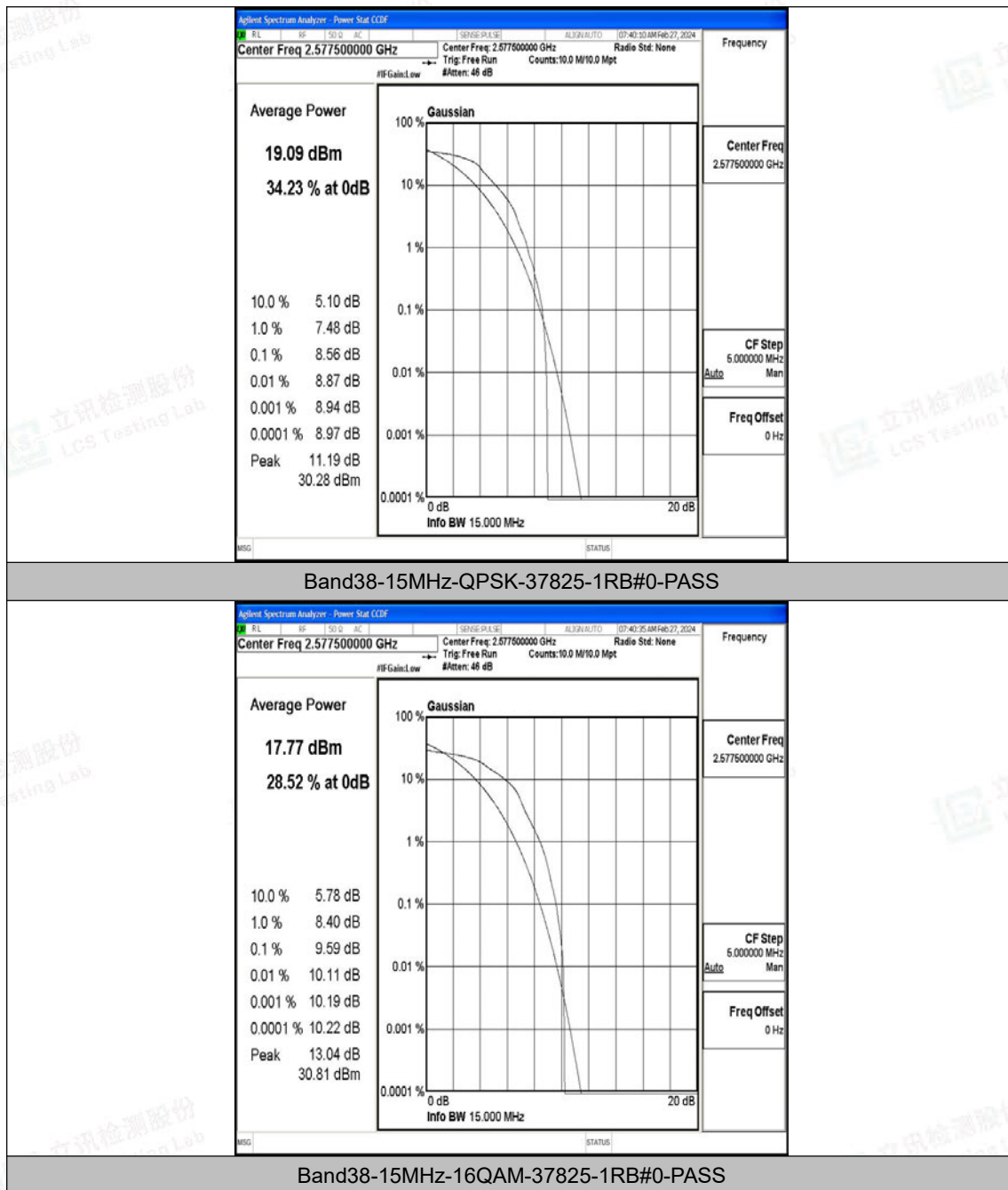


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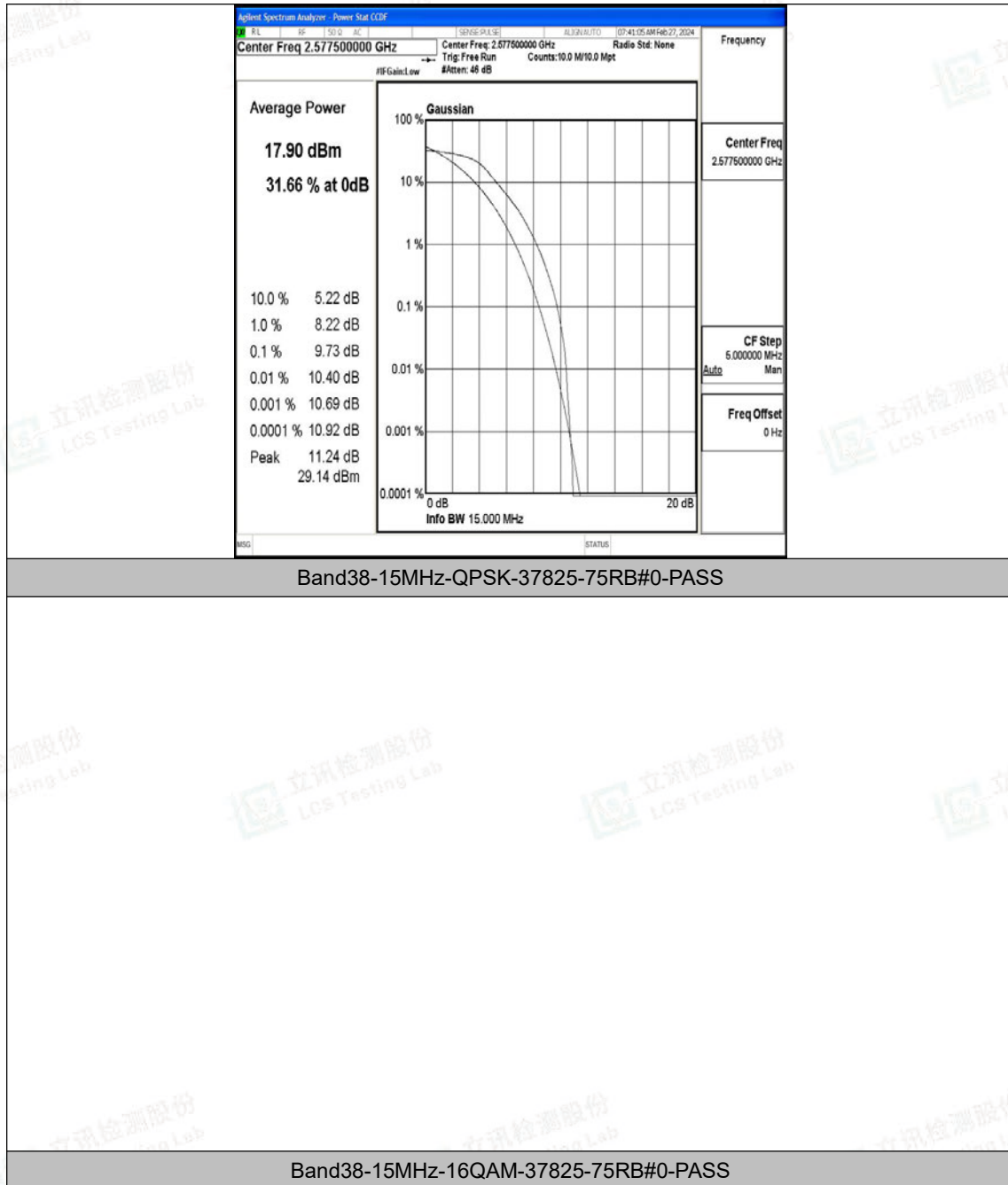


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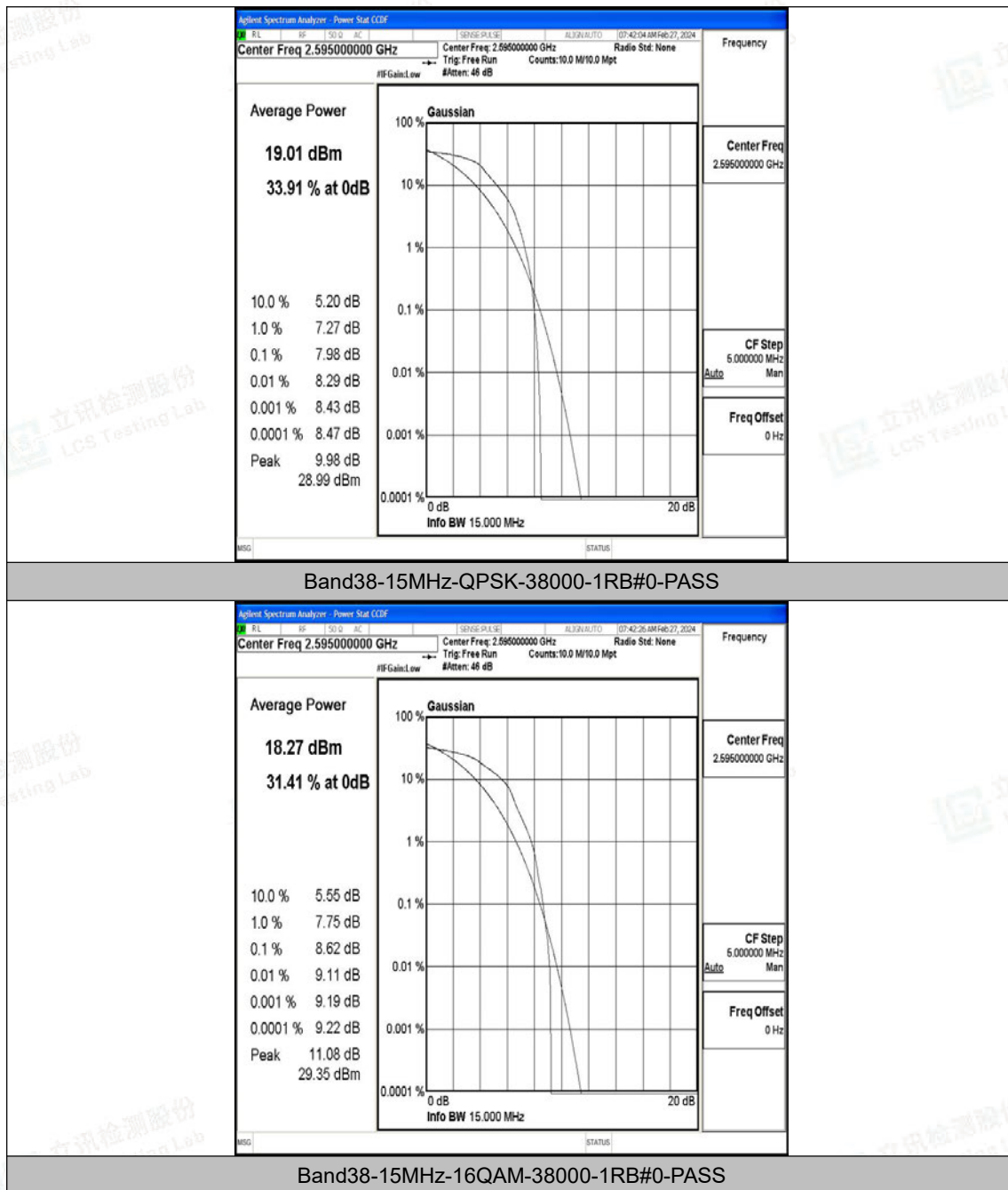


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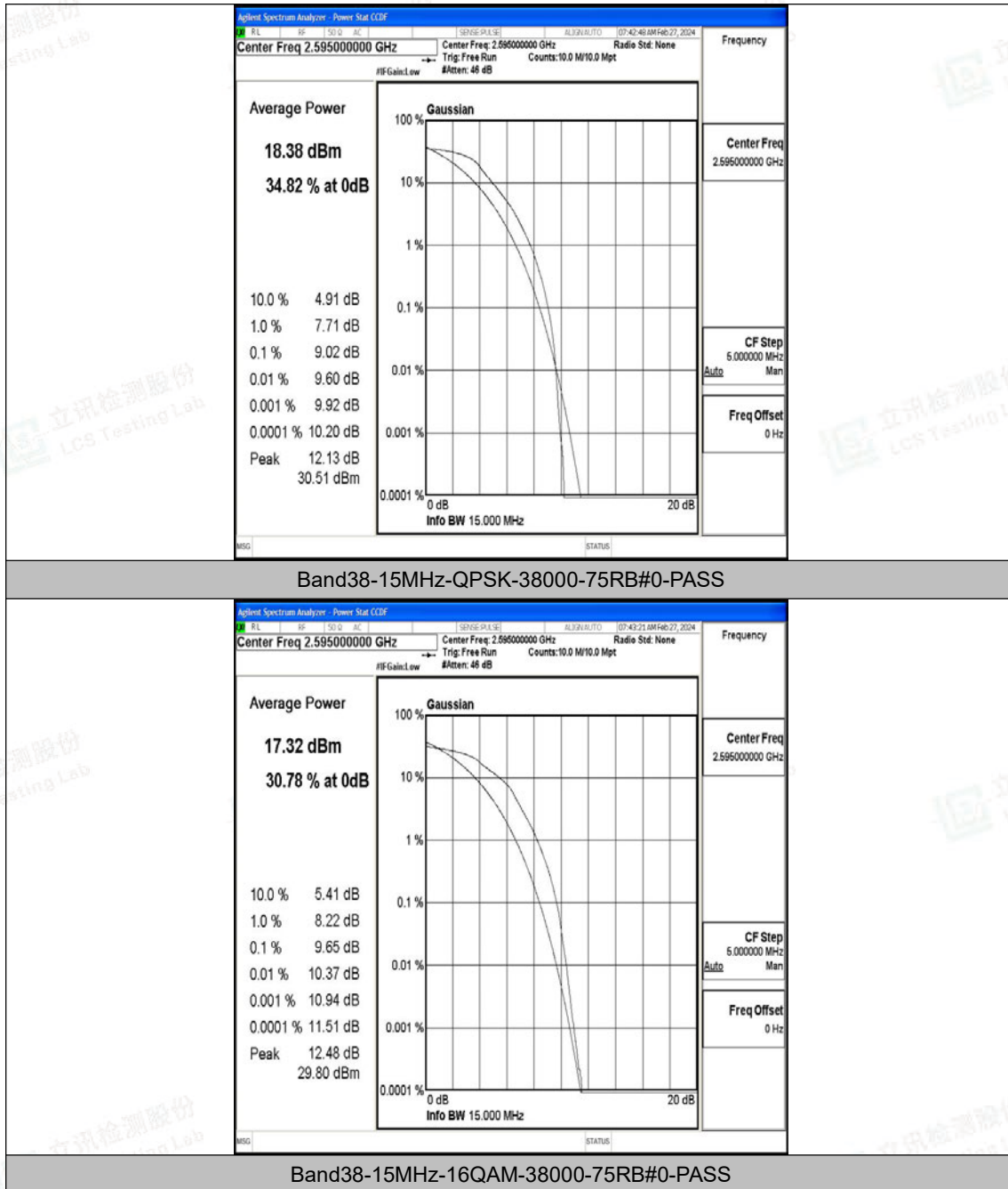


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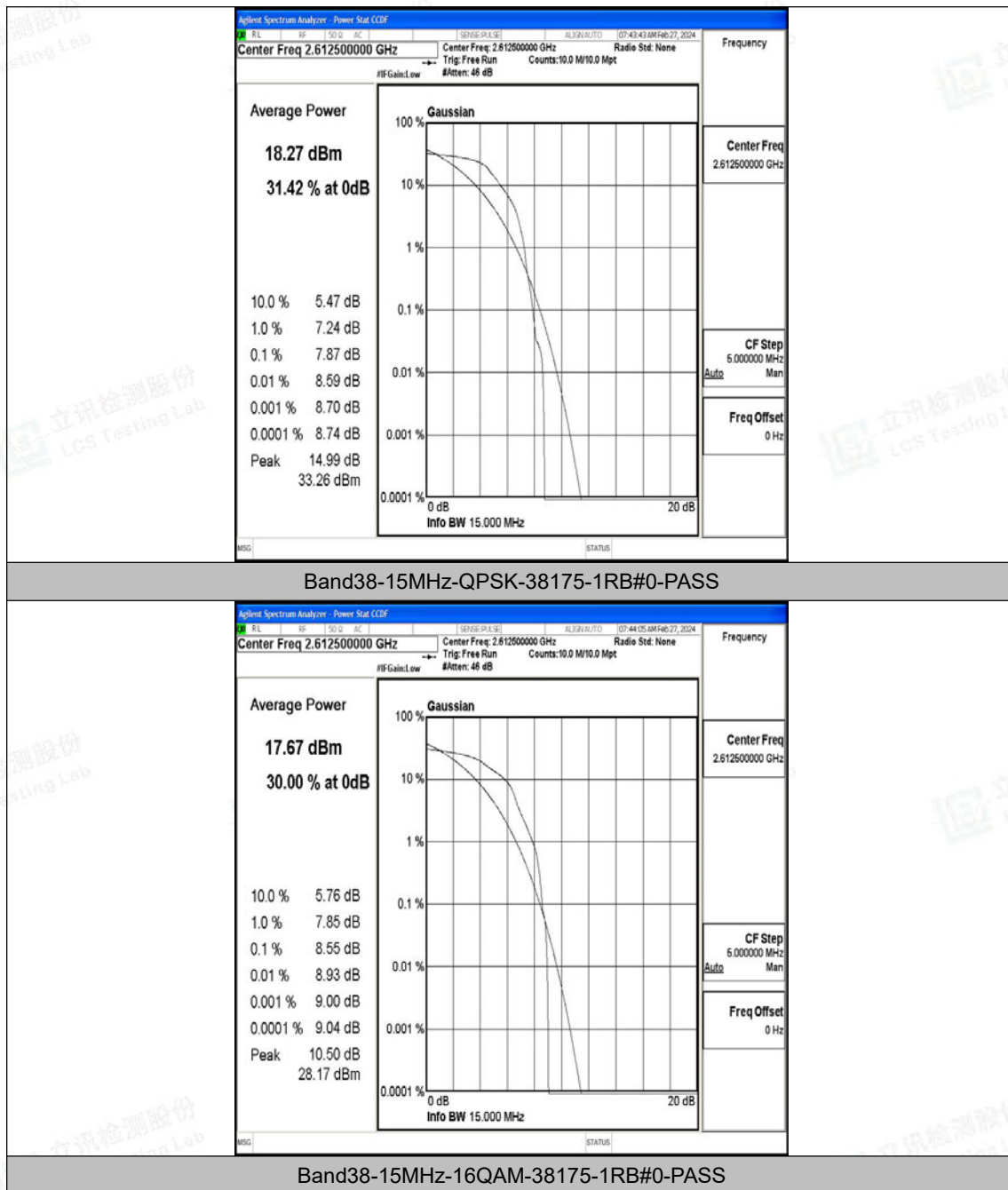


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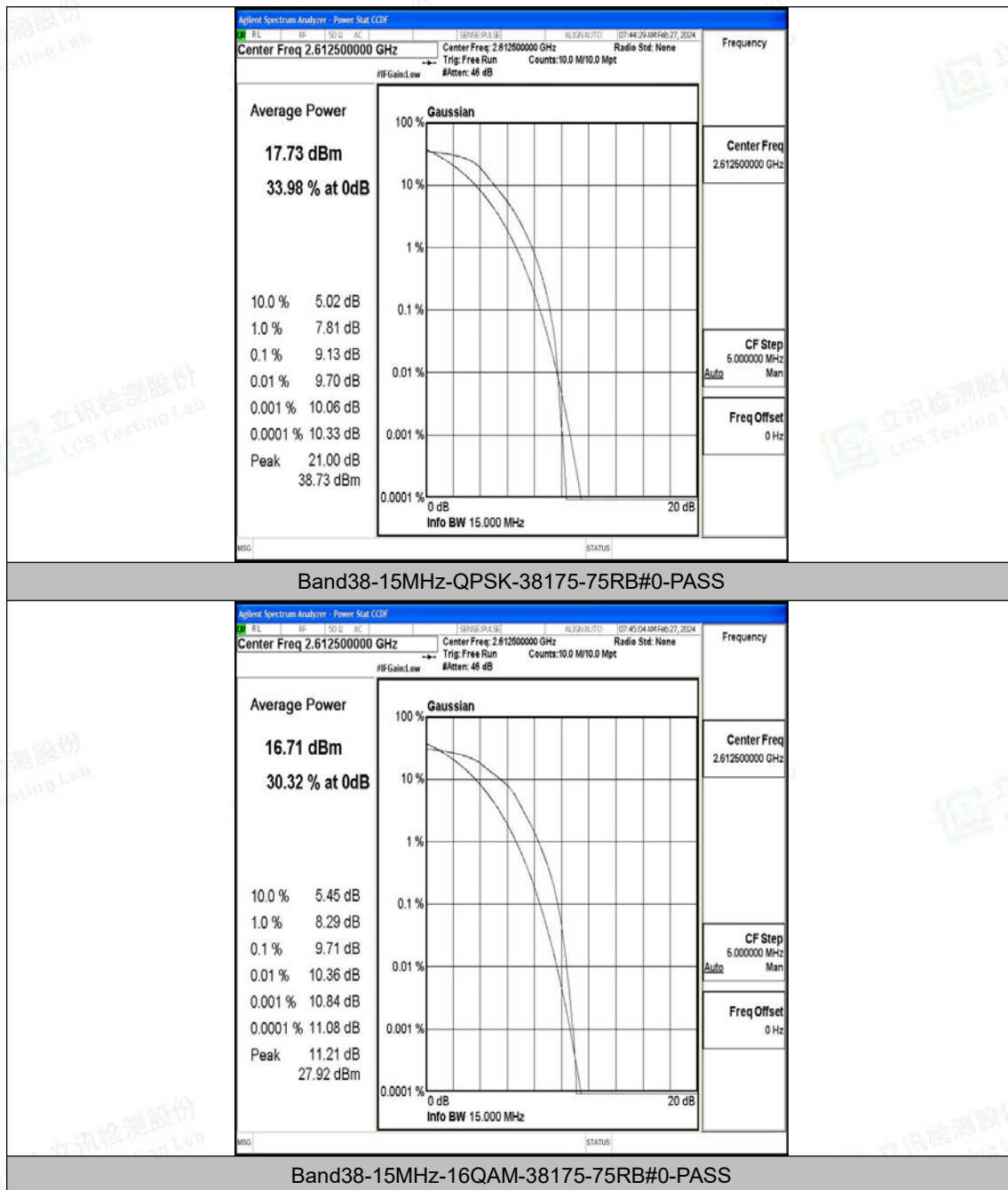


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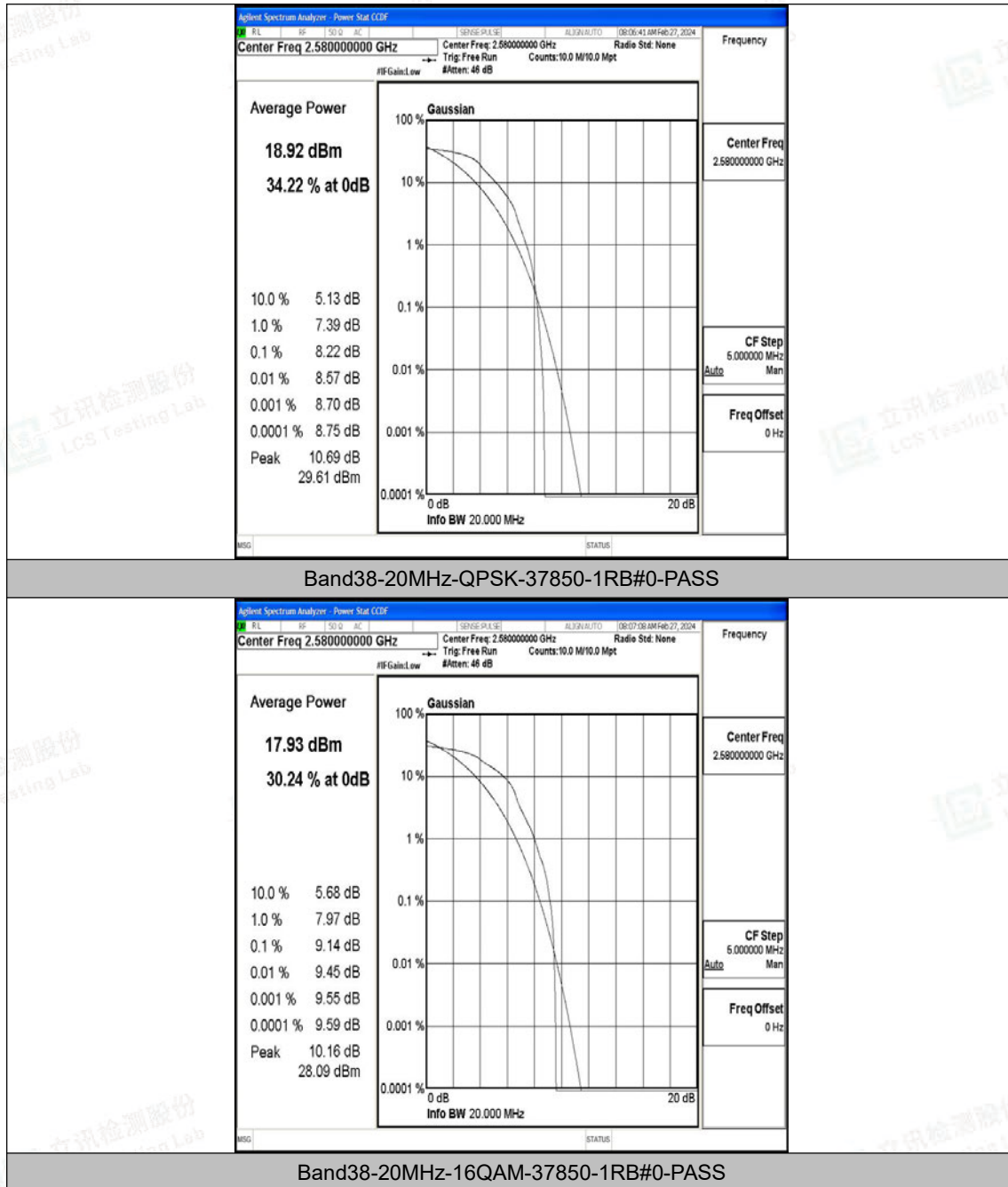


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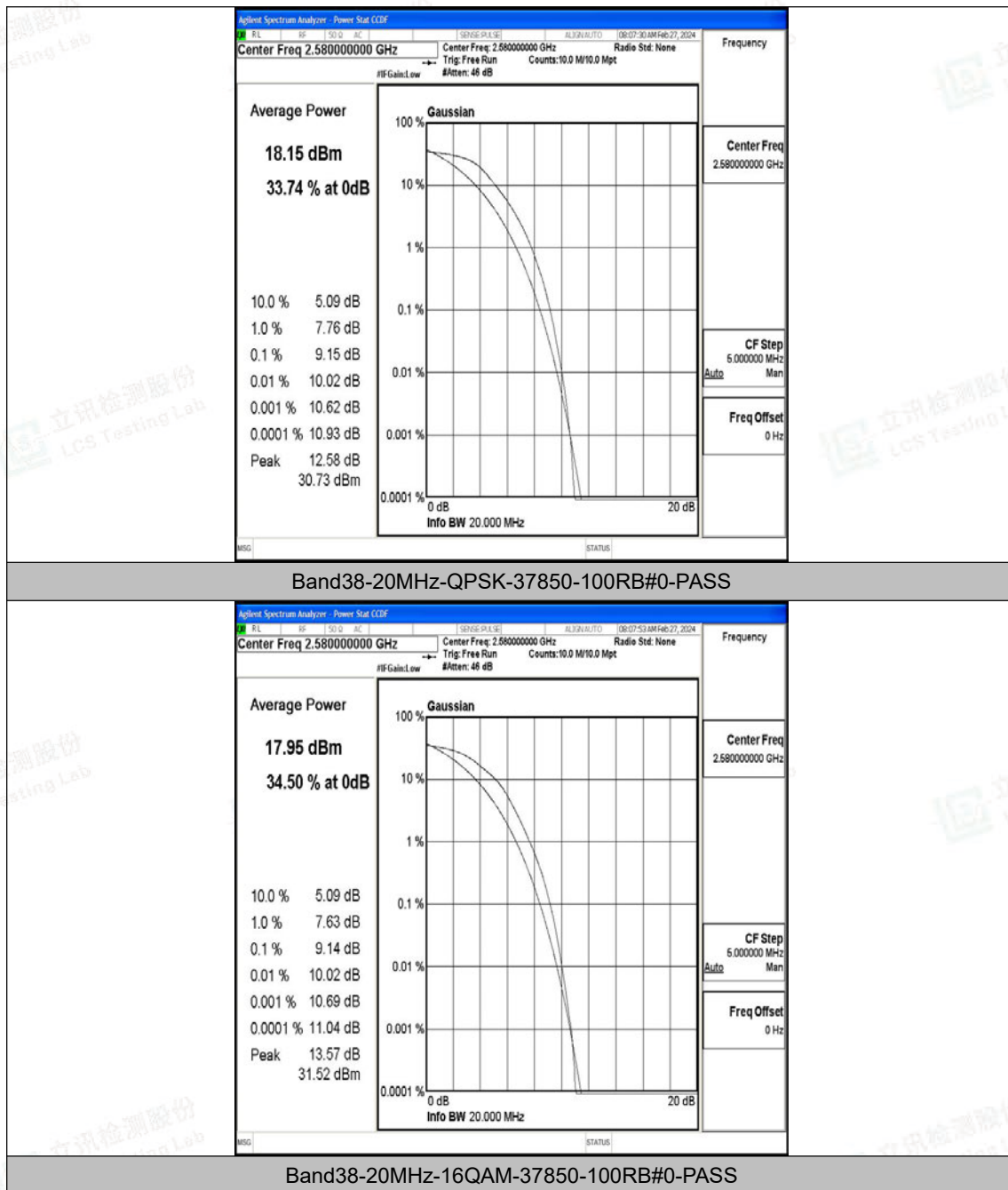


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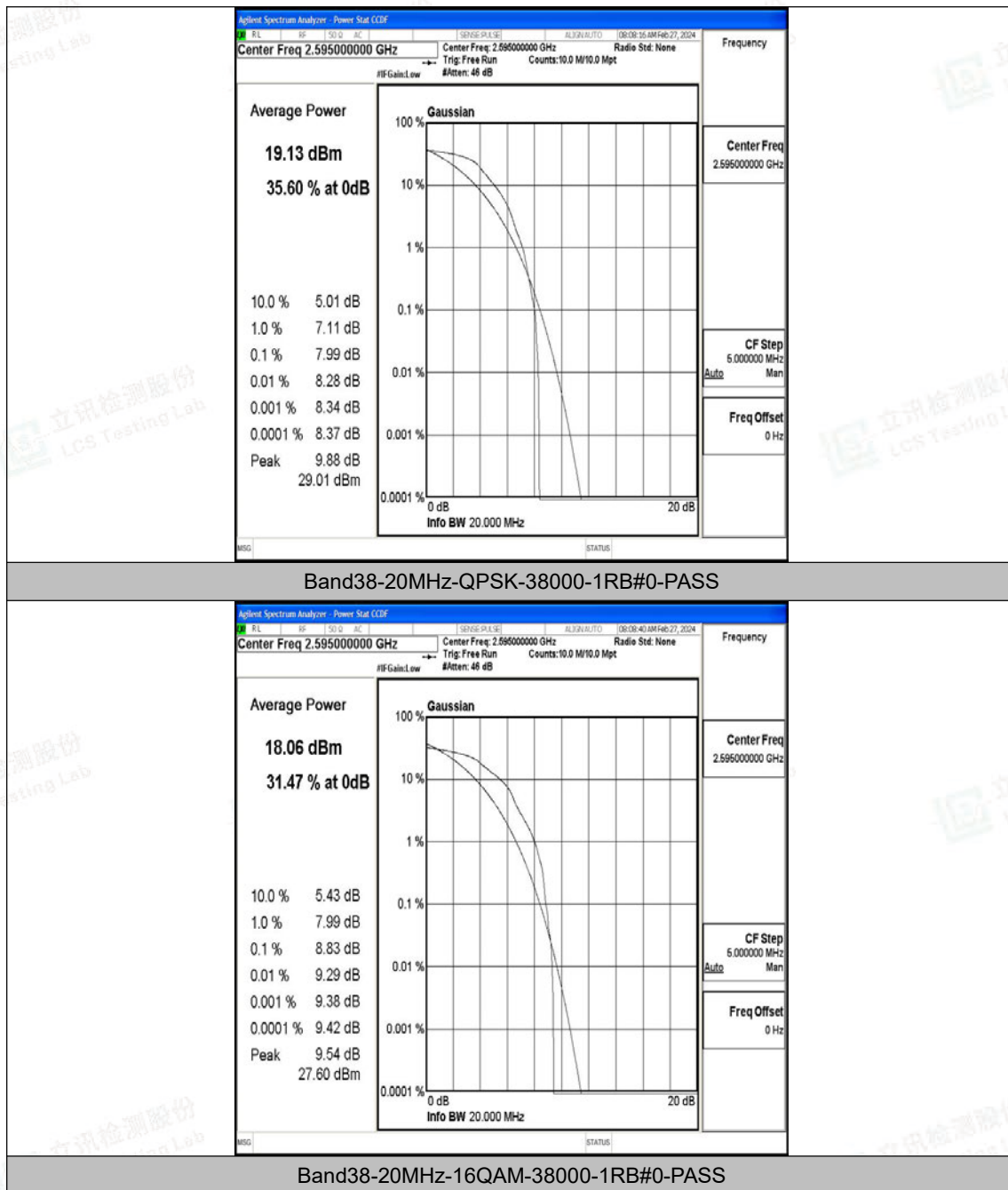


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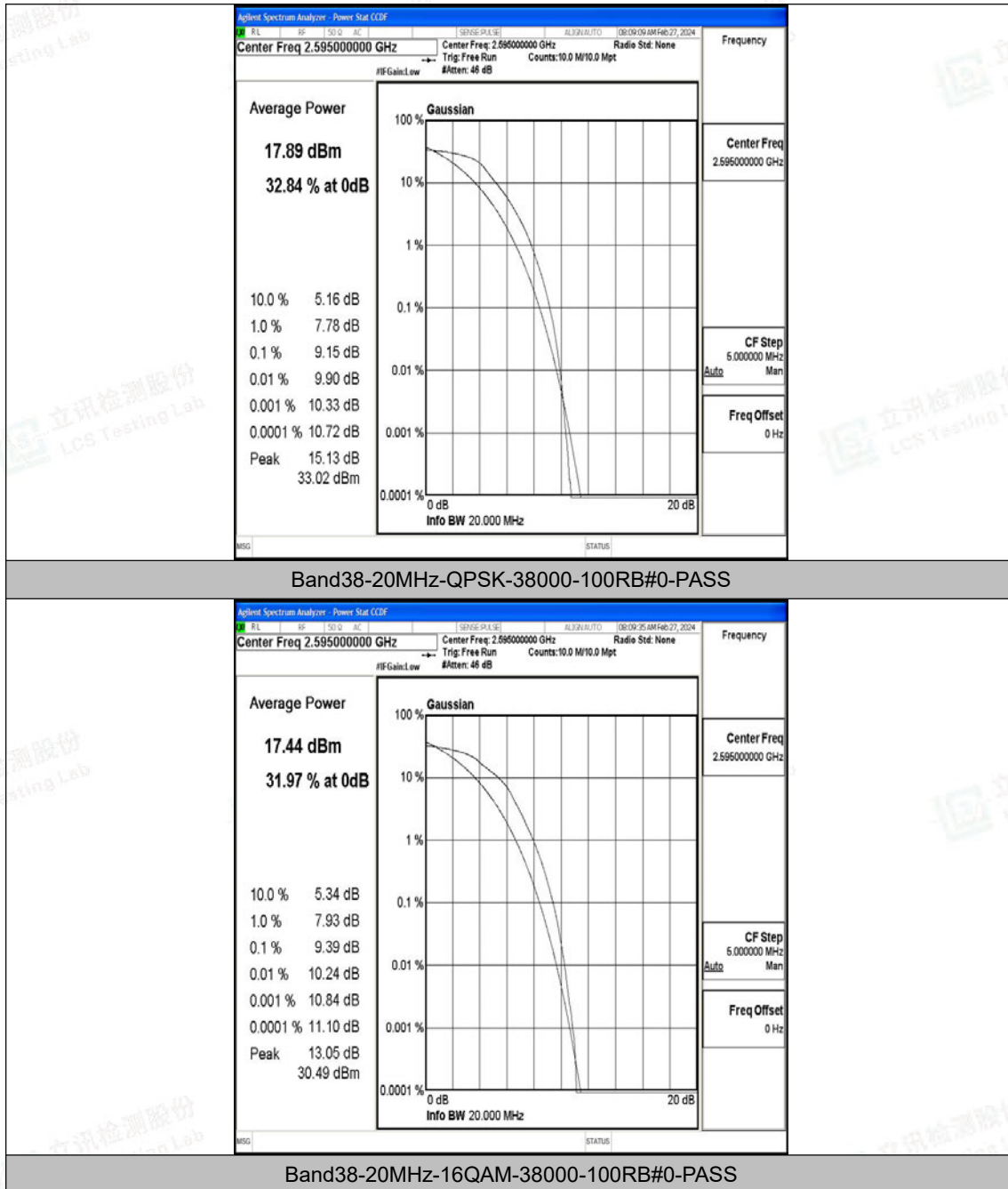


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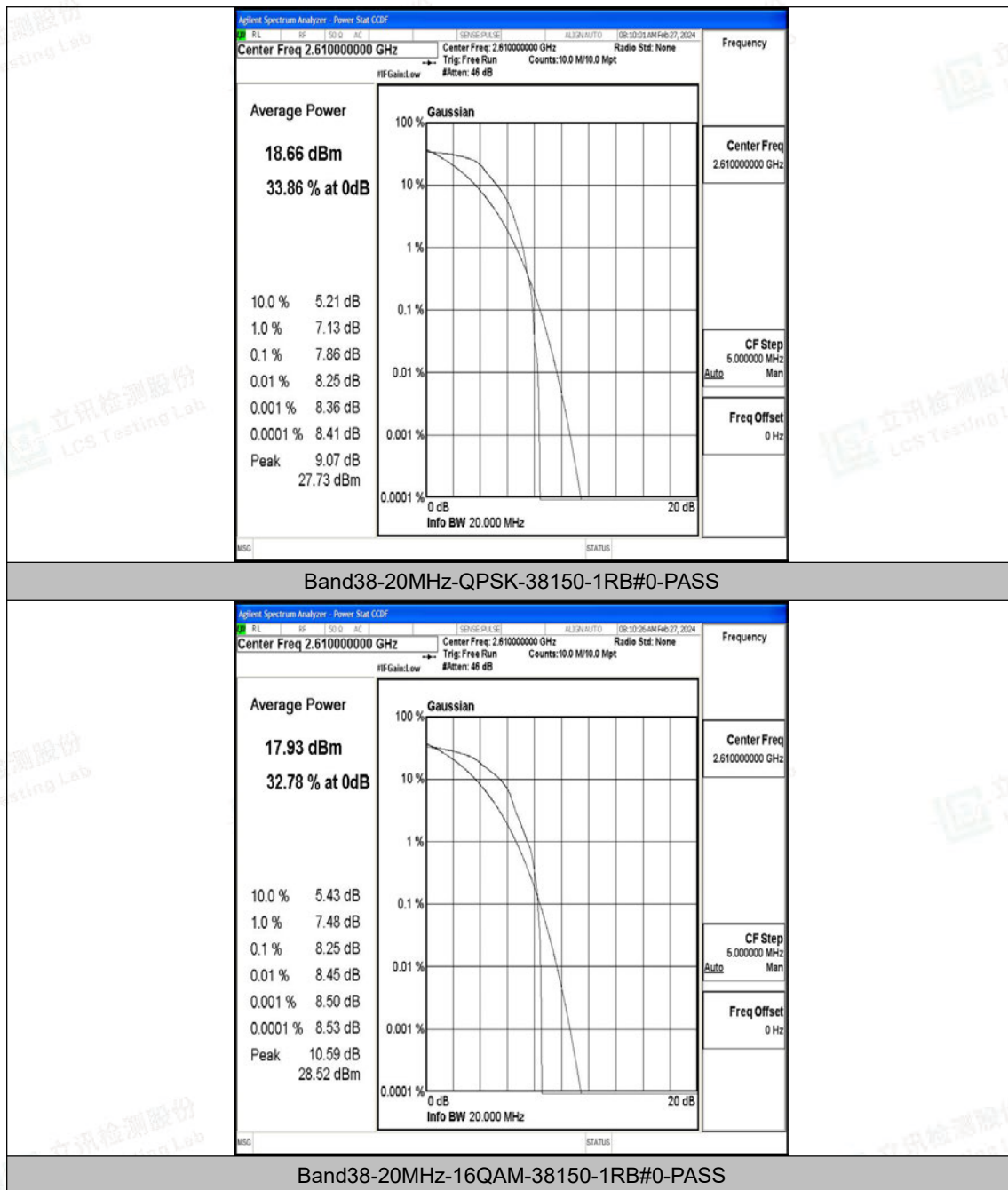


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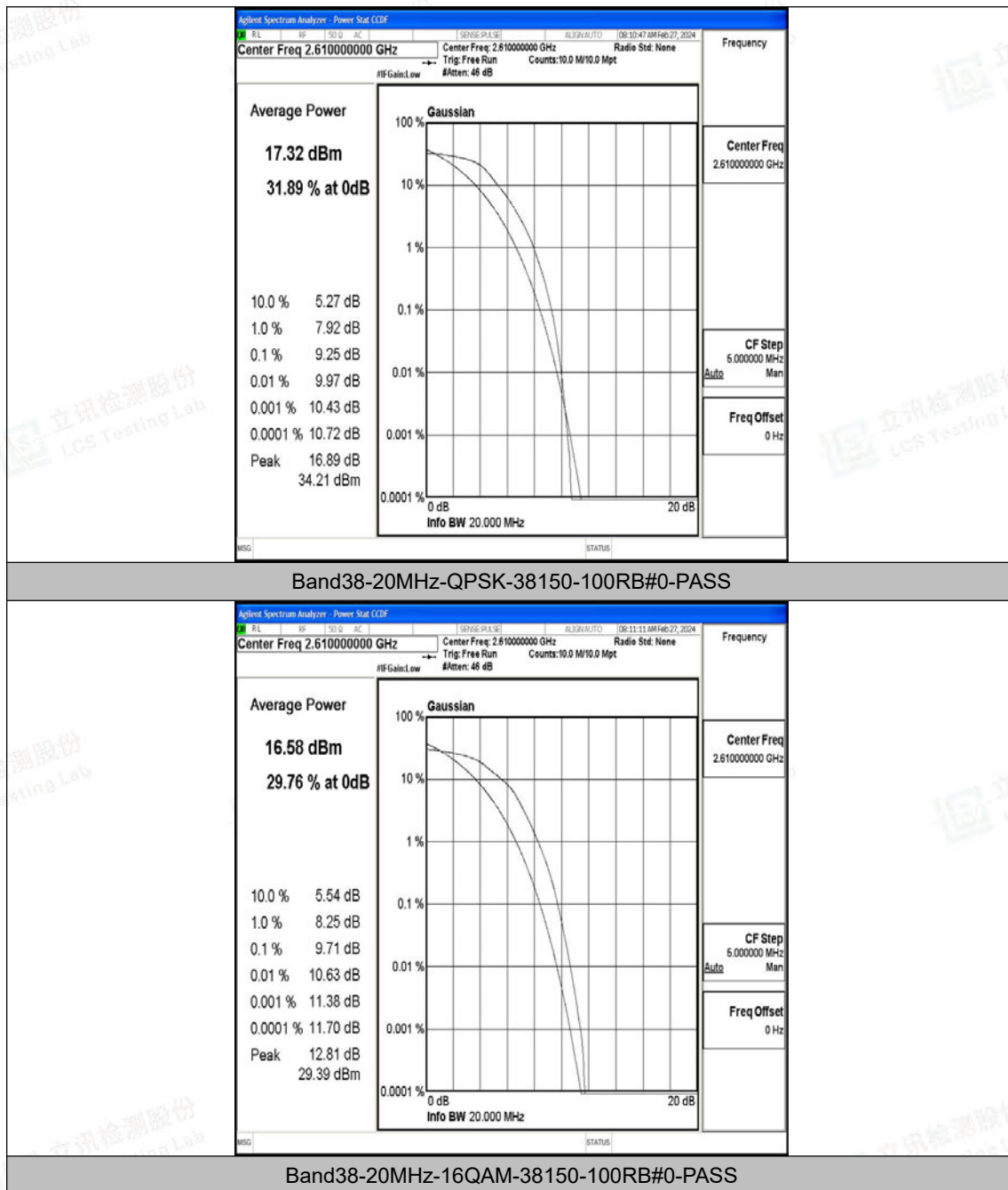


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O.3 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band38	5MHz	QPSK	37775	25RB#0	4.4875	4.912	PASS
Band38	5MHz	16QAM	37775	25RB#0	4.4853	4.916	PASS
Band38	5MHz	QPSK	38000	25RB#0	4.4913	4.884	PASS
Band38	5MHz	16QAM	38000	25RB#0	4.4918	5.010	PASS
Band38	5MHz	QPSK	38225	25RB#0	4.4867	4.952	PASS
Band38	5MHz	16QAM	38225	25RB#0	4.4871	4.900	PASS
Band38	10MHz	QPSK	37800	50RB#0	9.0070	9.709	PASS
Band38	10MHz	16QAM	37800	50RB#0	8.9951	9.660	PASS
Band38	10MHz	QPSK	38000	50RB#0	8.9676	9.879	PASS
Band38	10MHz	16QAM	38000	50RB#0	8.9981	9.636	PASS
Band38	10MHz	QPSK	38200	50RB#0	8.9782	9.684	PASS
Band38	10MHz	16QAM	38200	50RB#0	8.9901	9.896	PASS
Band38	15MHz	QPSK	37825	75RB#0	13.501	14.70	PASS
Band38	15MHz	16QAM	37825	75RB#0	13.499	14.56	PASS
Band38	15MHz	QPSK	38000	75RB#0	13.512	14.63	PASS
Band38	15MHz	16QAM	38000	75RB#0	13.499	14.40	PASS
Band38	15MHz	QPSK	38175	75RB#0	13.420	14.66	PASS
Band38	15MHz	16QAM	38175	75RB#0	13.506	14.39	PASS
Band38	20MHz	QPSK	37850	100RB#0	17.989	19.08	PASS
Band38	20MHz	16QAM	37850	100RB#0	17.689	19.13	PASS
Band38	20MHz	QPSK	38000	100RB#0	17.957	19.21	PASS
Band38	20MHz	16QAM	38000	100RB#0	17.901	19.22	PASS
Band38	20MHz	QPSK	38150	100RB#0	17.969	19.34	PASS
Band38	20MHz	16QAM	38150	100RB#0	17.934	19.19	PASS



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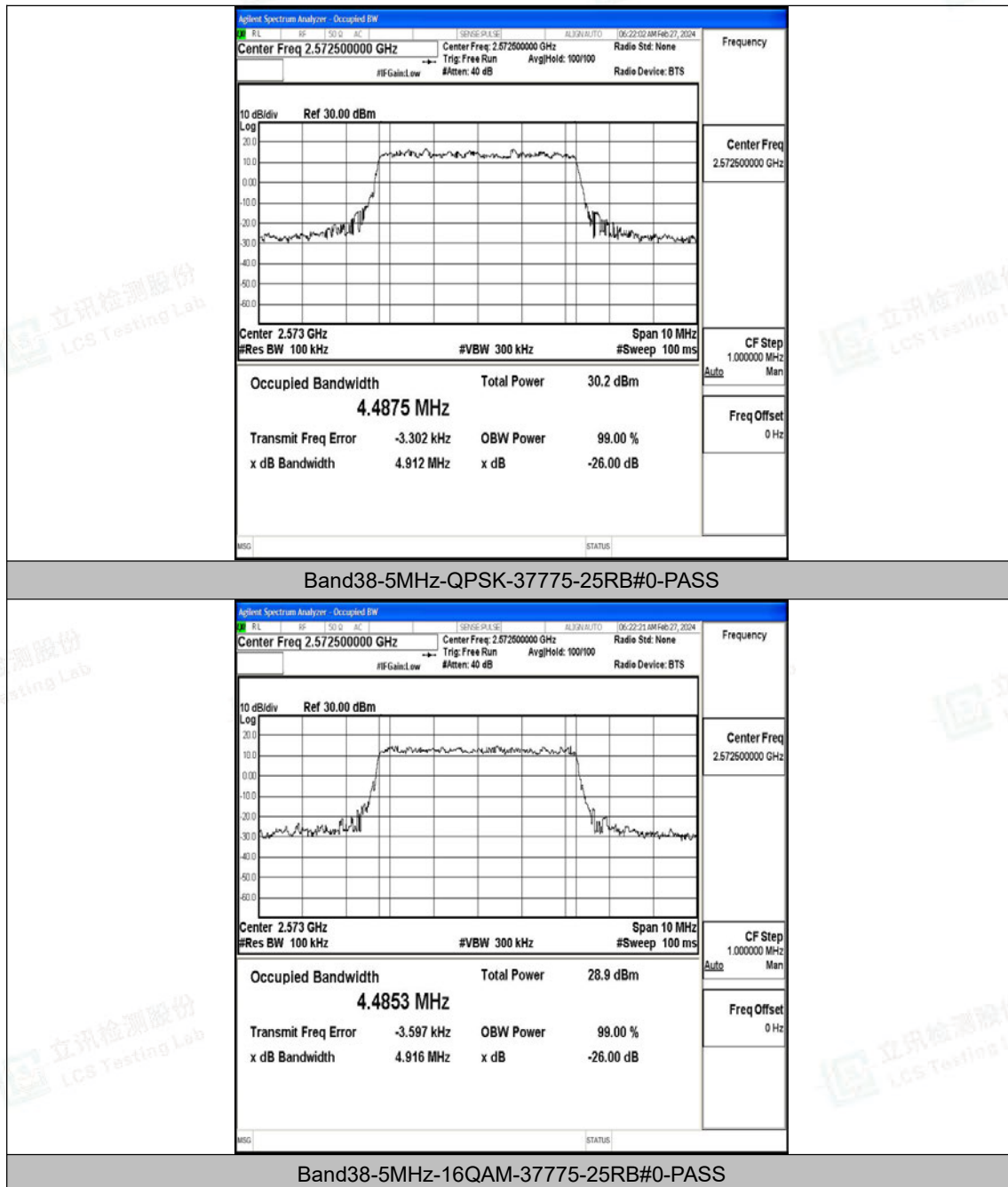
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Test Graphs

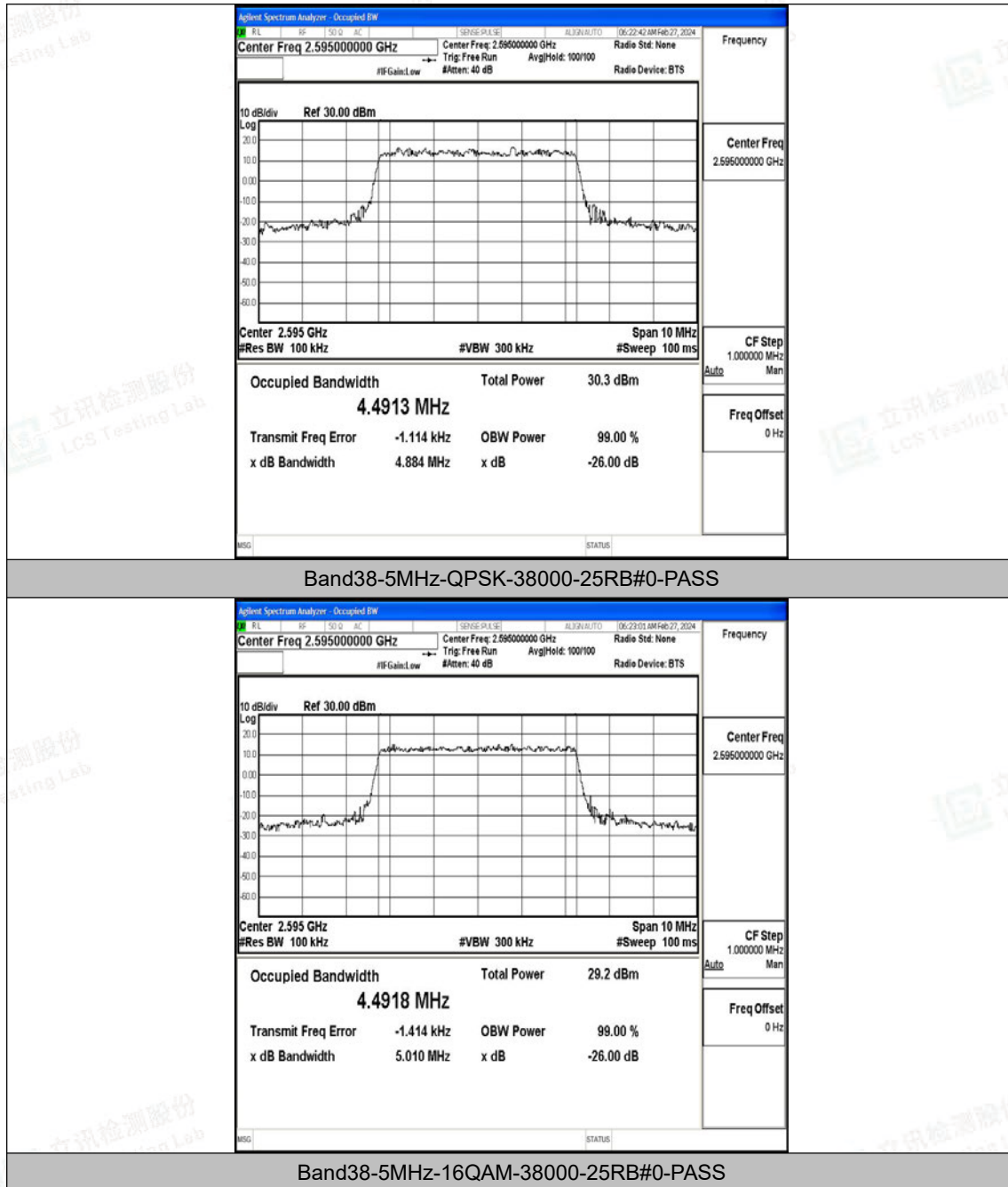


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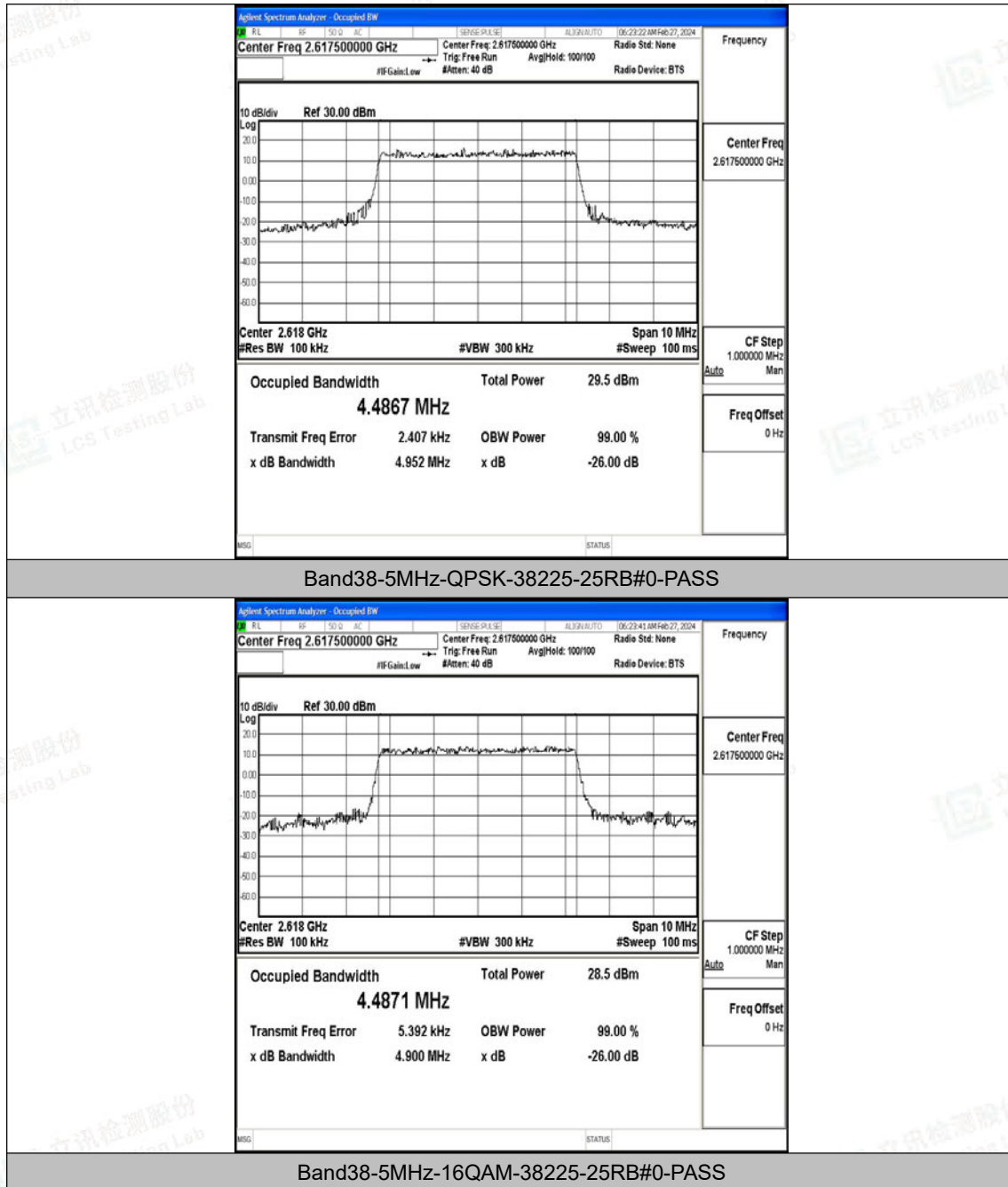


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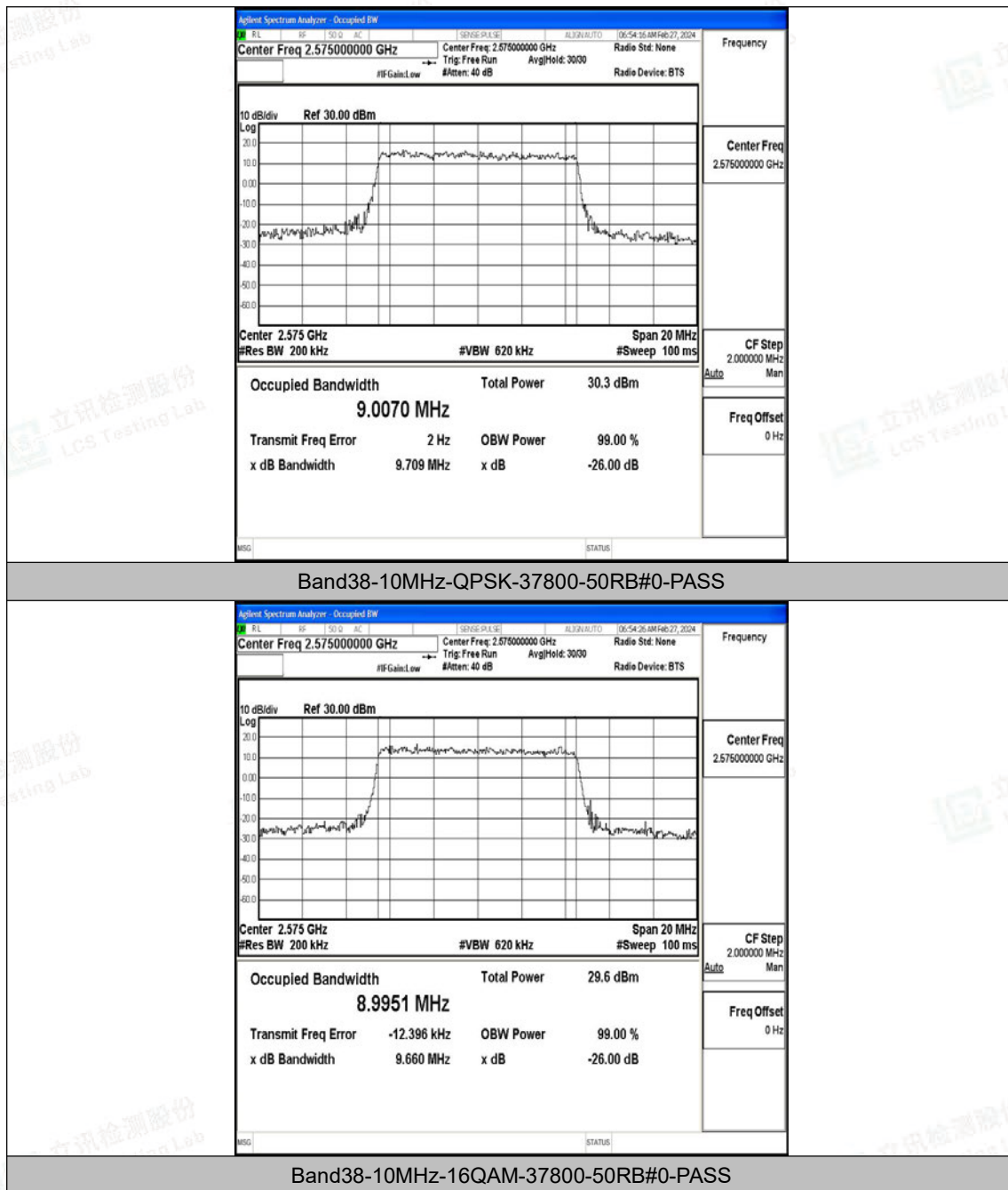


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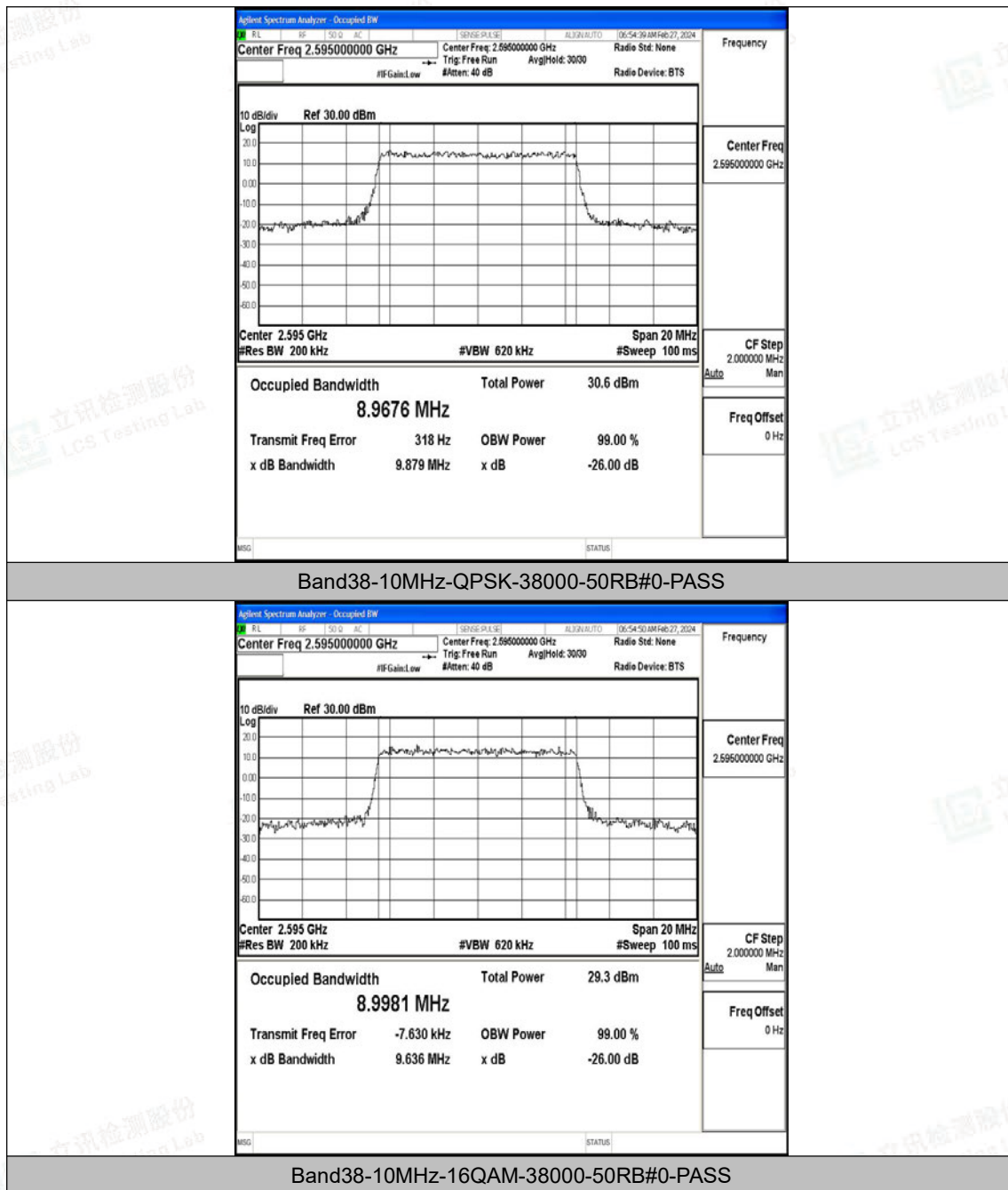


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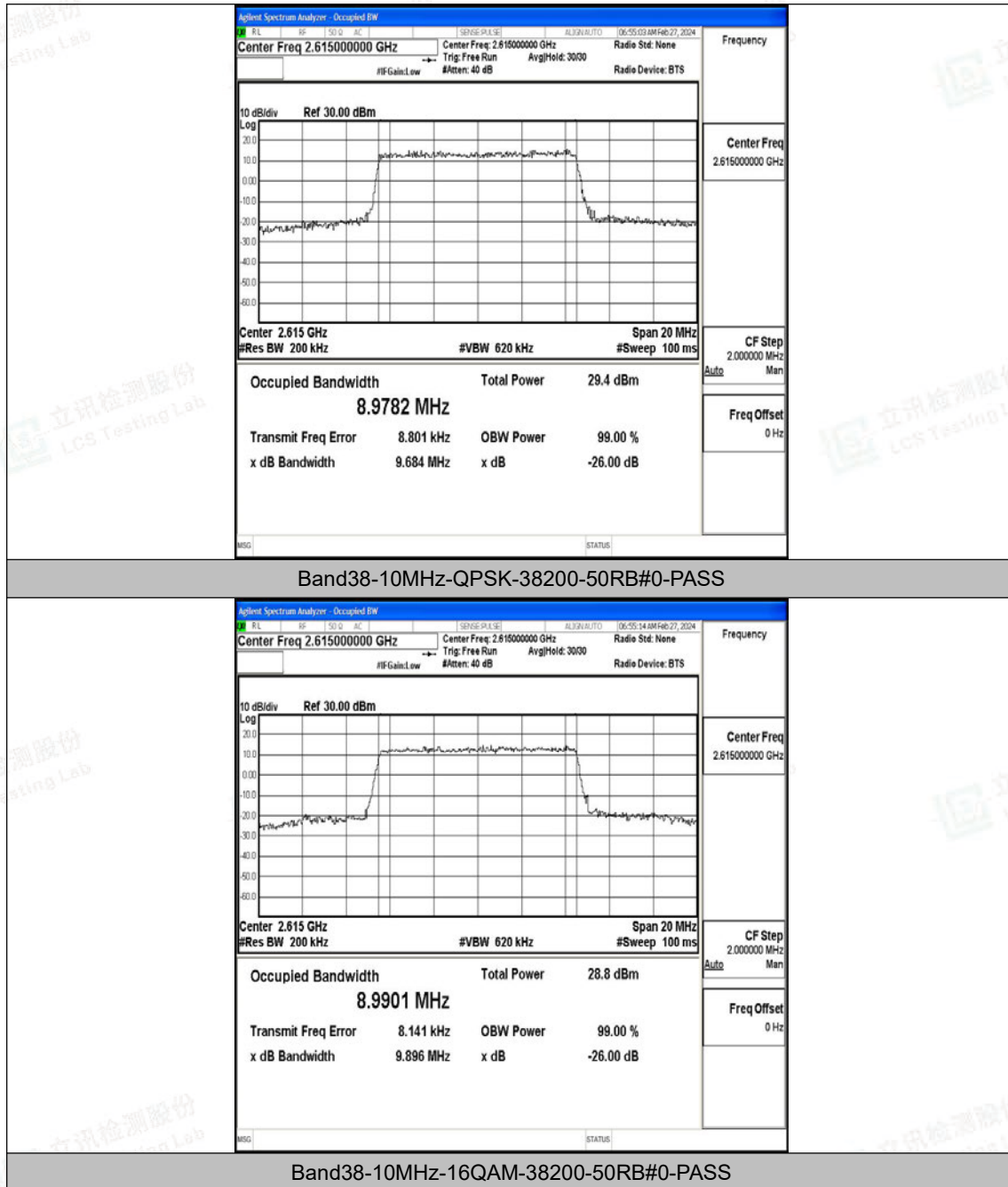


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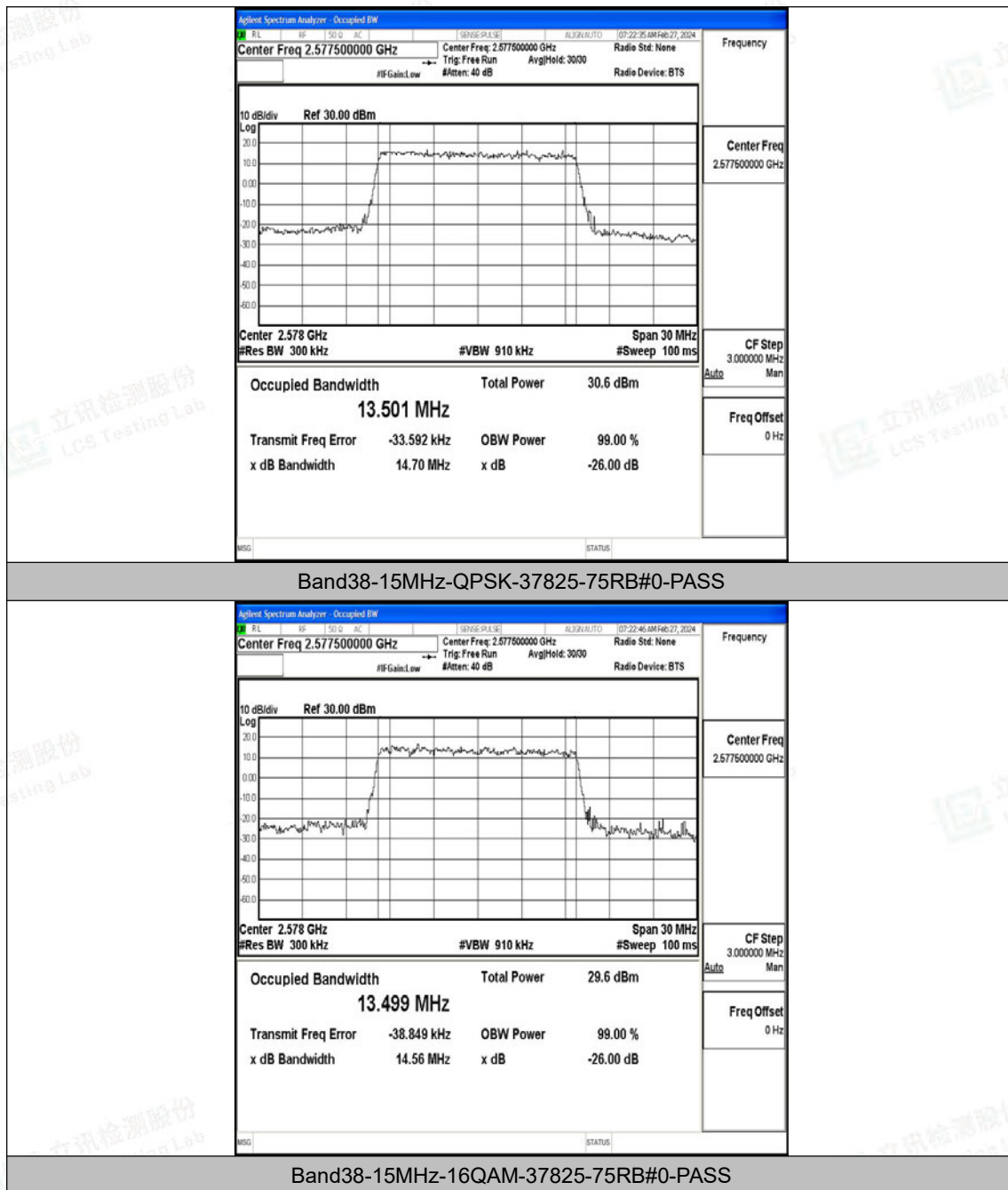


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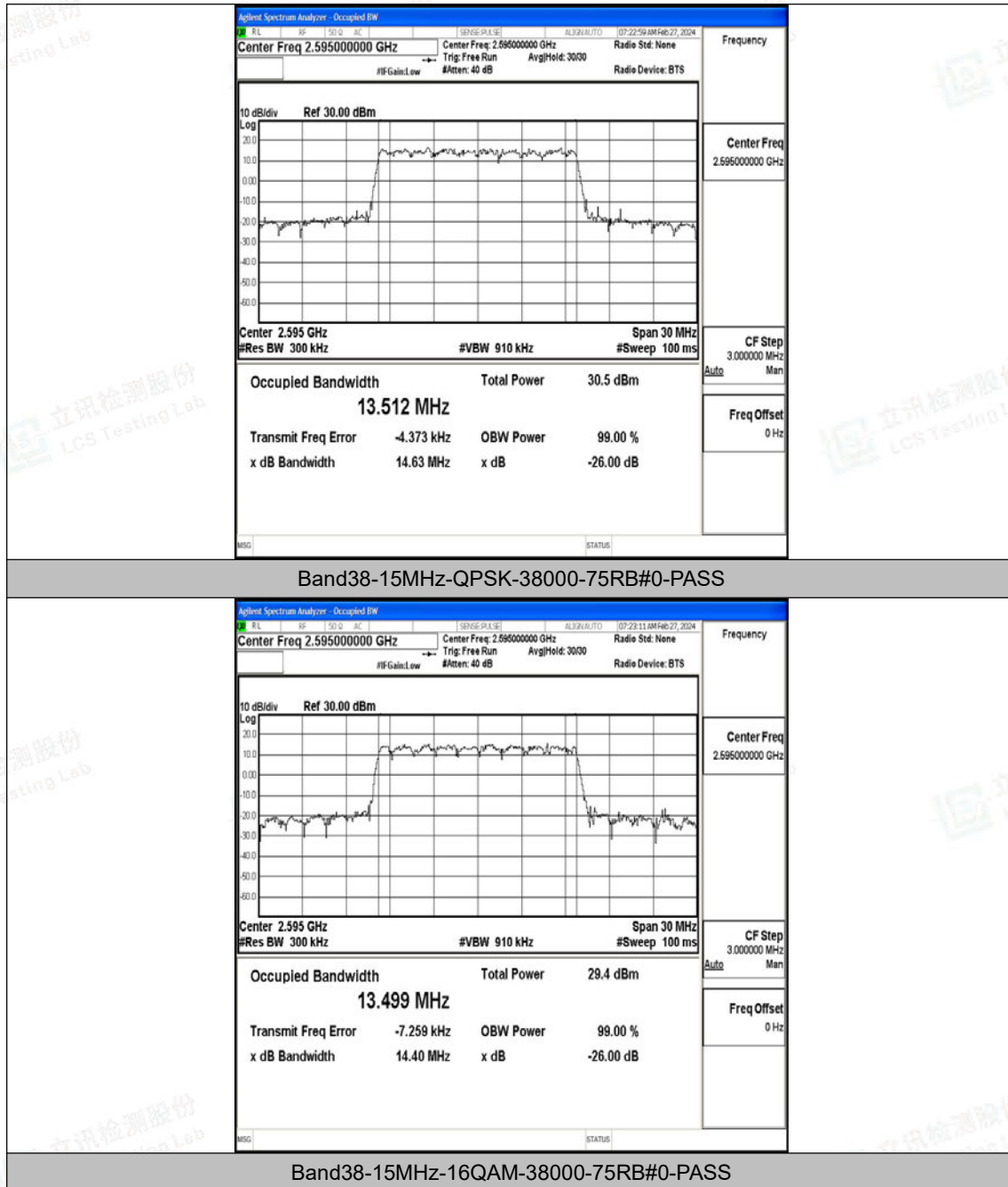


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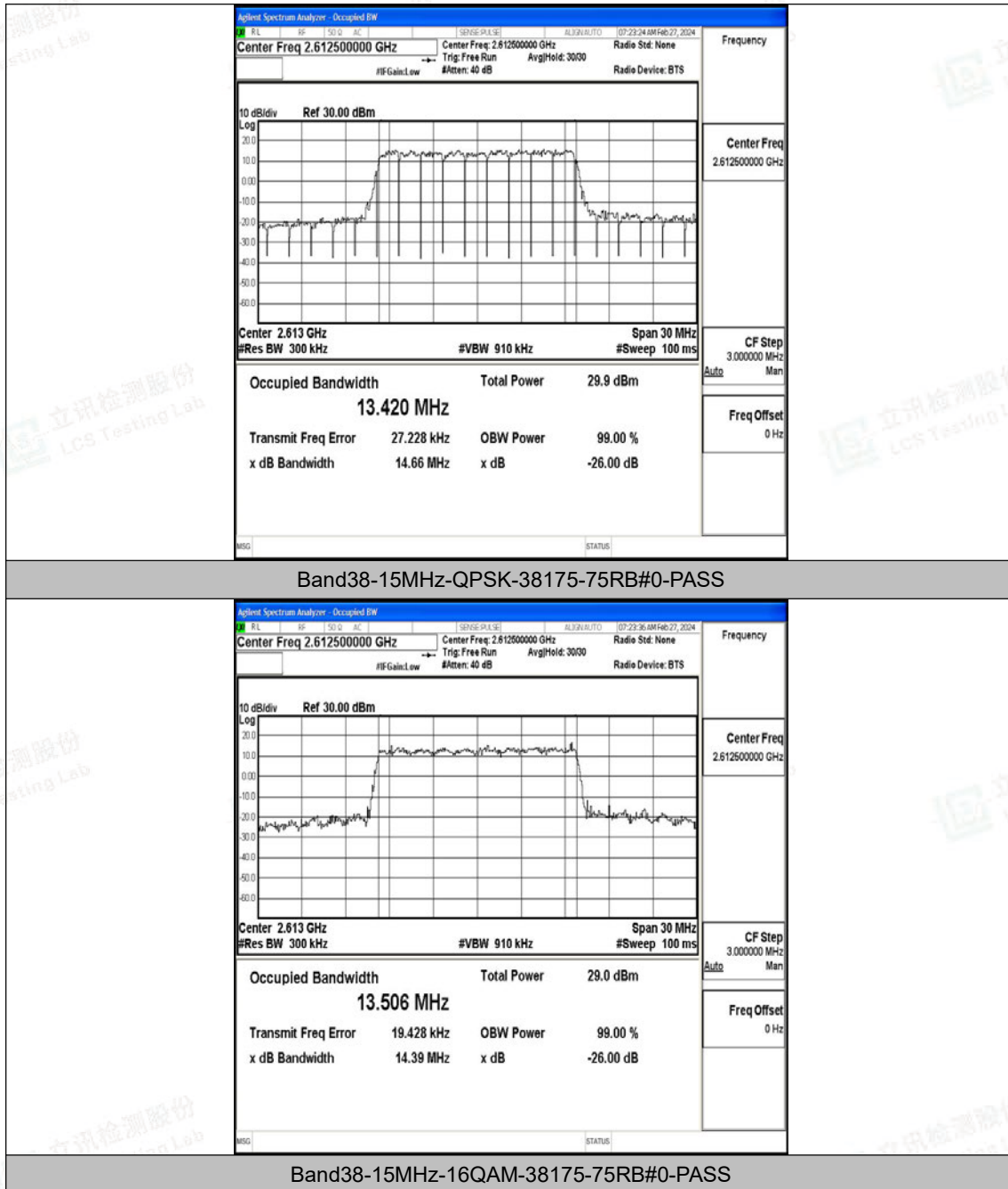


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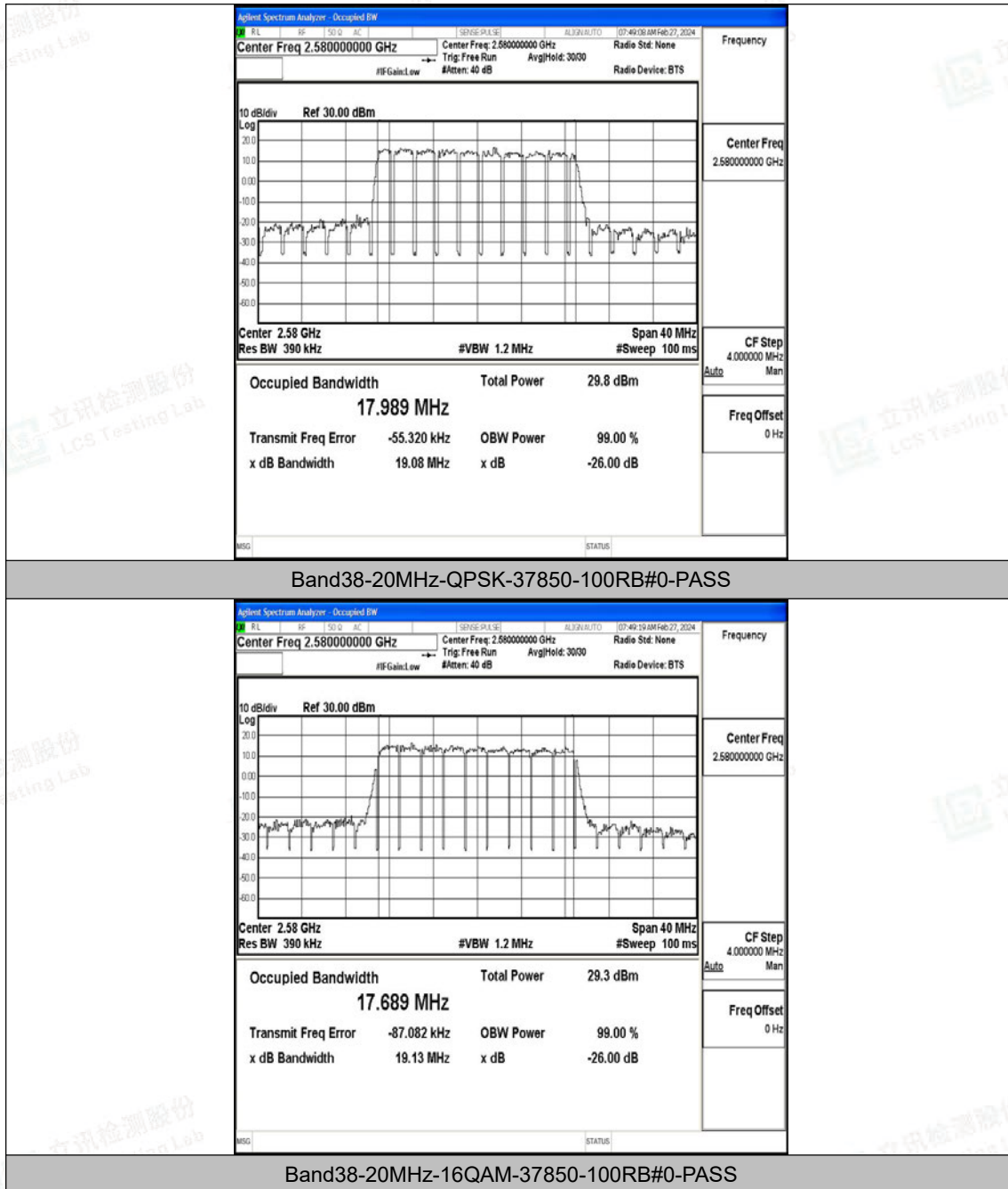


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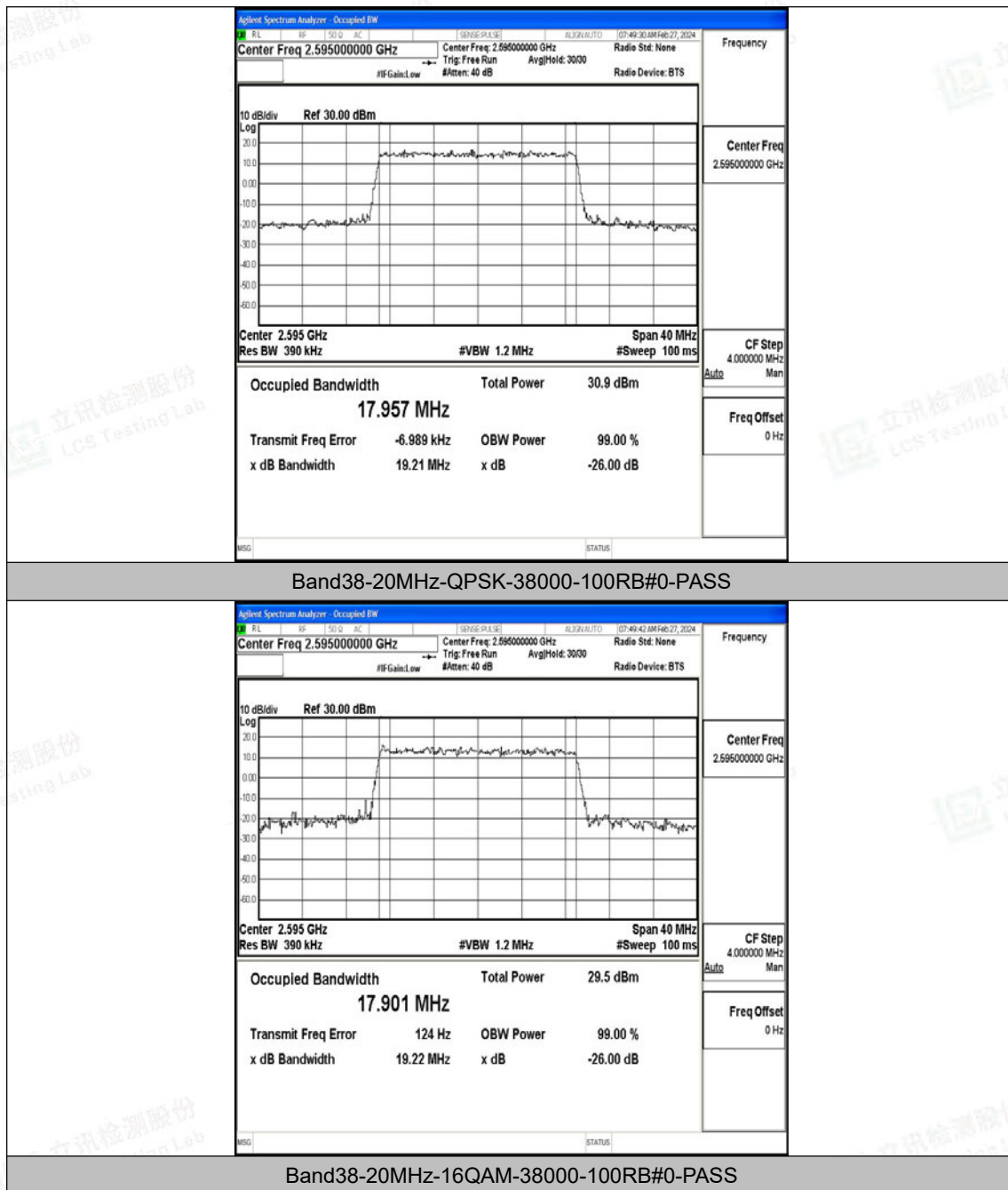


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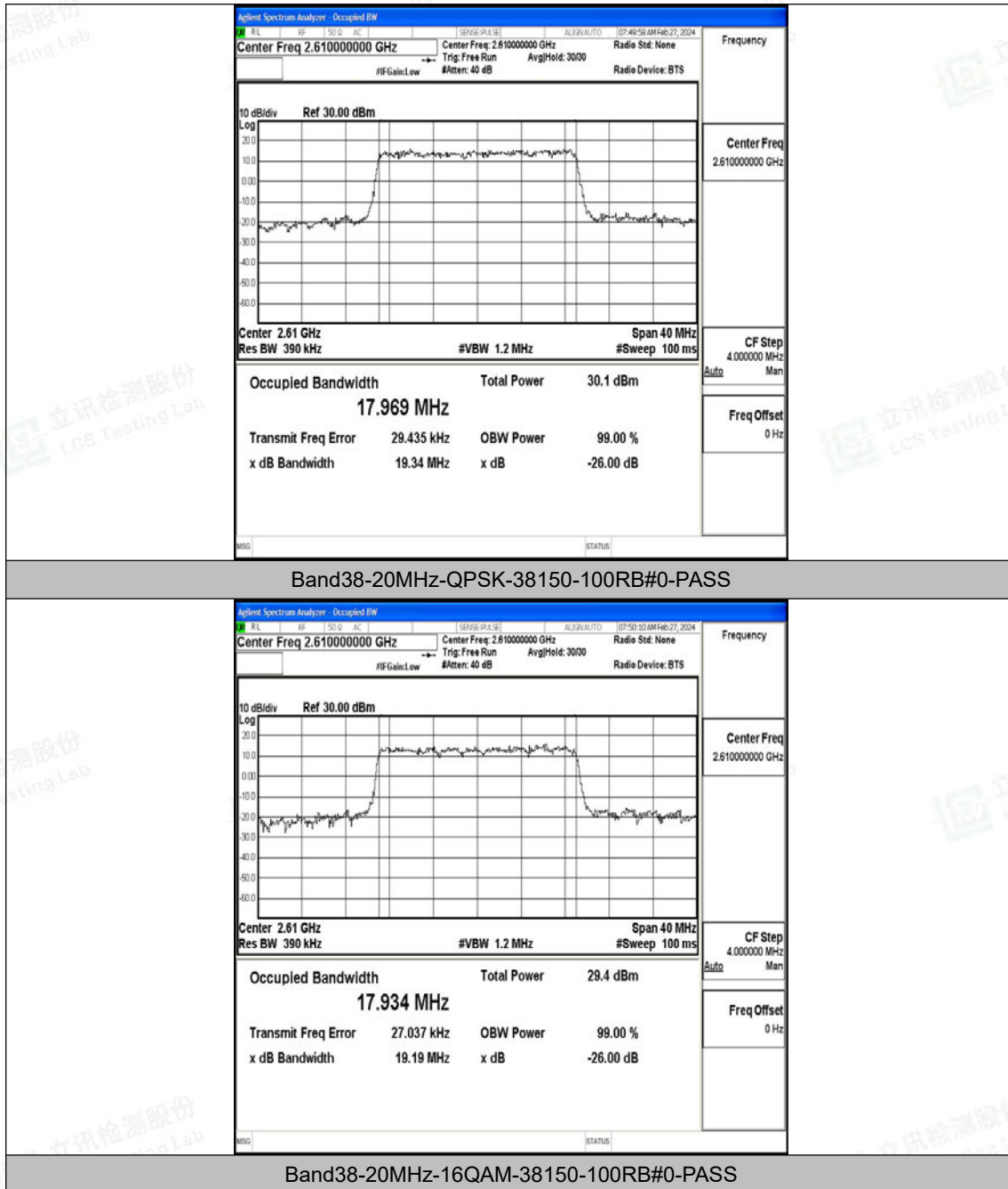


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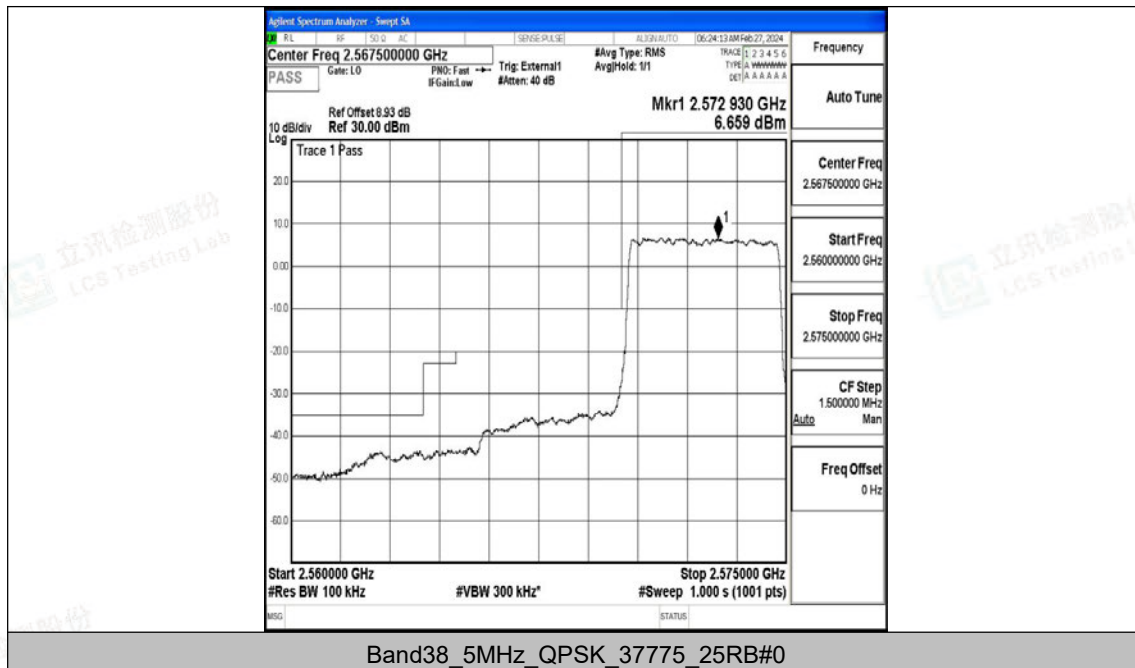


O.4 Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Peak Frequency	Result(dBm)	Verdict
Band38	5MHz	QPSK	37775	25RB#0	2563.92	-43.39	PASS
Band38	5MHz	16QAM	37775	25RB#0	2563.87	-44.88	PASS
Band38	5MHz	16QAM	38225	25RB#0	2626.30	-42.54	PASS
Band38	10MHz	QPSK	37800	50RB#0	2557.70	-42.08	PASS
Band38	10MHz	16QAM	37800	50RB#0	2559.83	-42.45	PASS
Band38	10MHz	QPSK	38200	50RB#0	2634.38	-38.98	PASS
Band38	10MHz	16QAM	38200	50RB#0	2630.10	-38.79	PASS
Band38	15MHz	QPSK	37825	75RB#0	2554.66	-39.12	PASS
Band38	15MHz	16QAM	37825	75RB#0	2554.69	-39.77	PASS
Band38	15MHz	QPSK	38175	75RB#0	2635.38	-35.57	PASS
Band38	15MHz	16QAM	38175	75RB#0	2635.38	-35.60	PASS
Band38	20MHz	QPSK	37850	100RB#0	2549.01	-40.44	PASS
Band38	20MHz	16QAM	37850	100RB#0	2549.32	-40.49	PASS
Band38	20MHz	QPSK	38150	100RB#0	2644.69	-37.62	PASS
Band38	20MHz	16QAM	38150	100RB#0	2641.09	-37.21	PASS
Band38	5MHz	QPSK	38225	25RB#0	2627.27	-40.44	PASS

Test Graphs

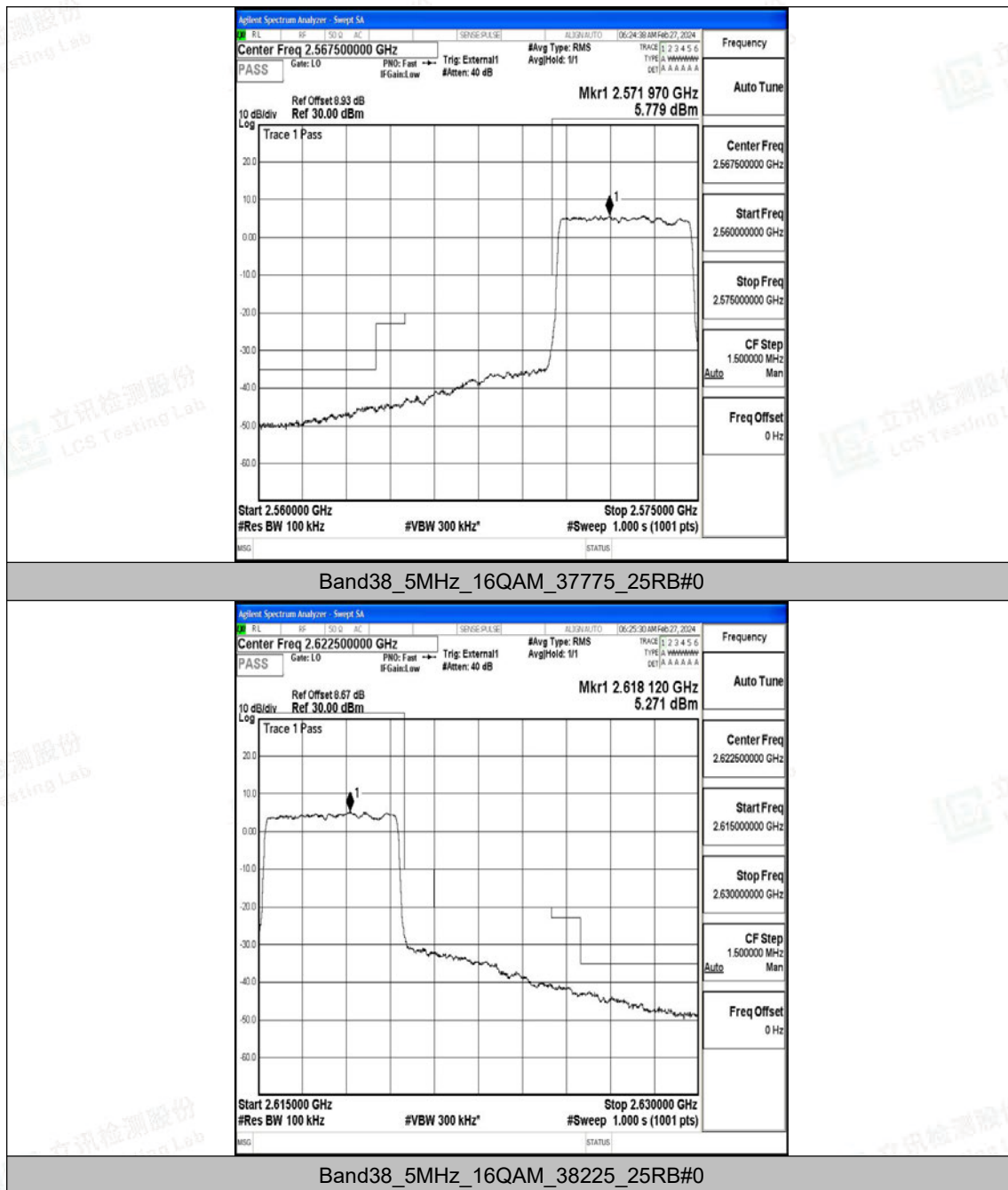


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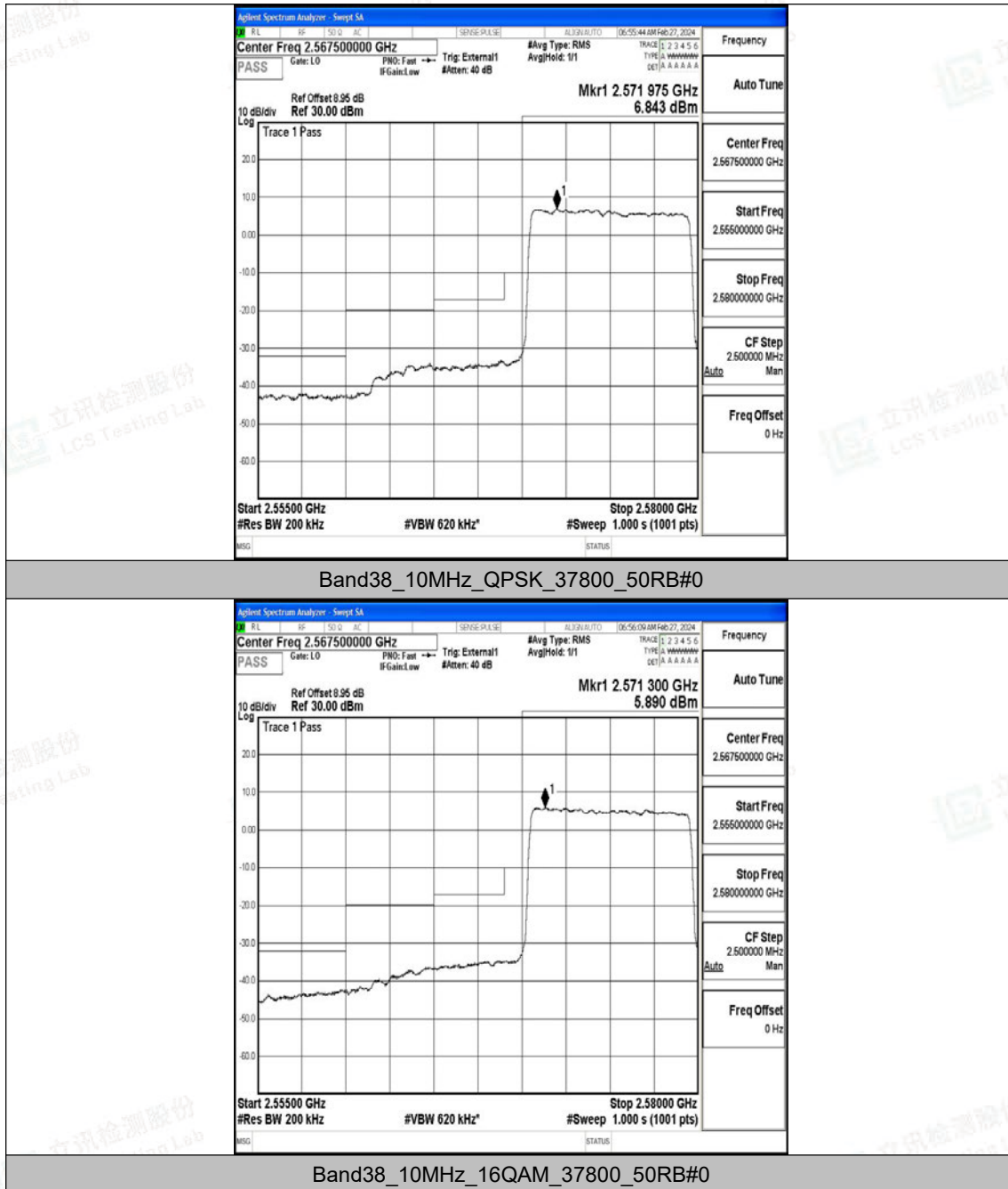


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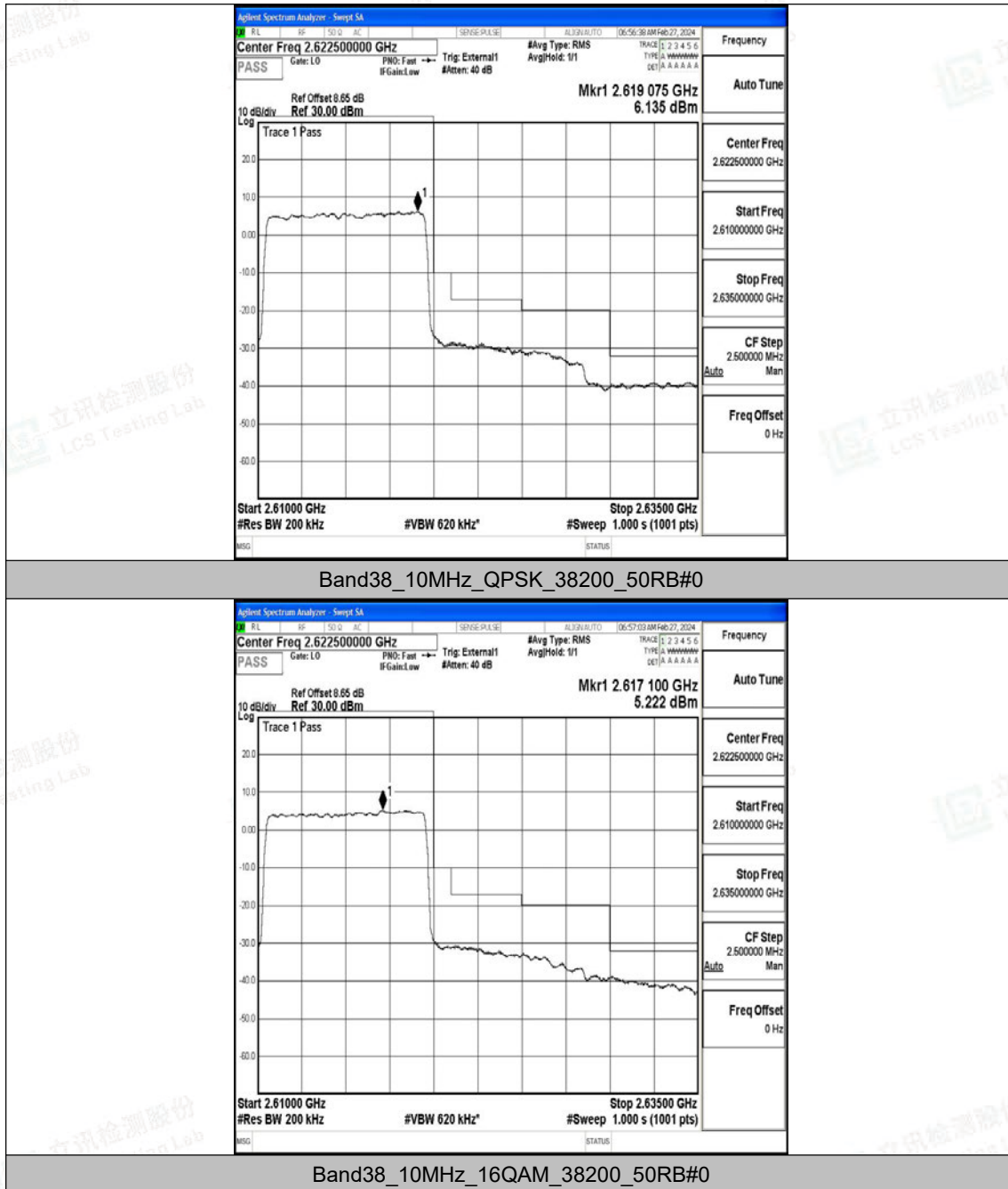


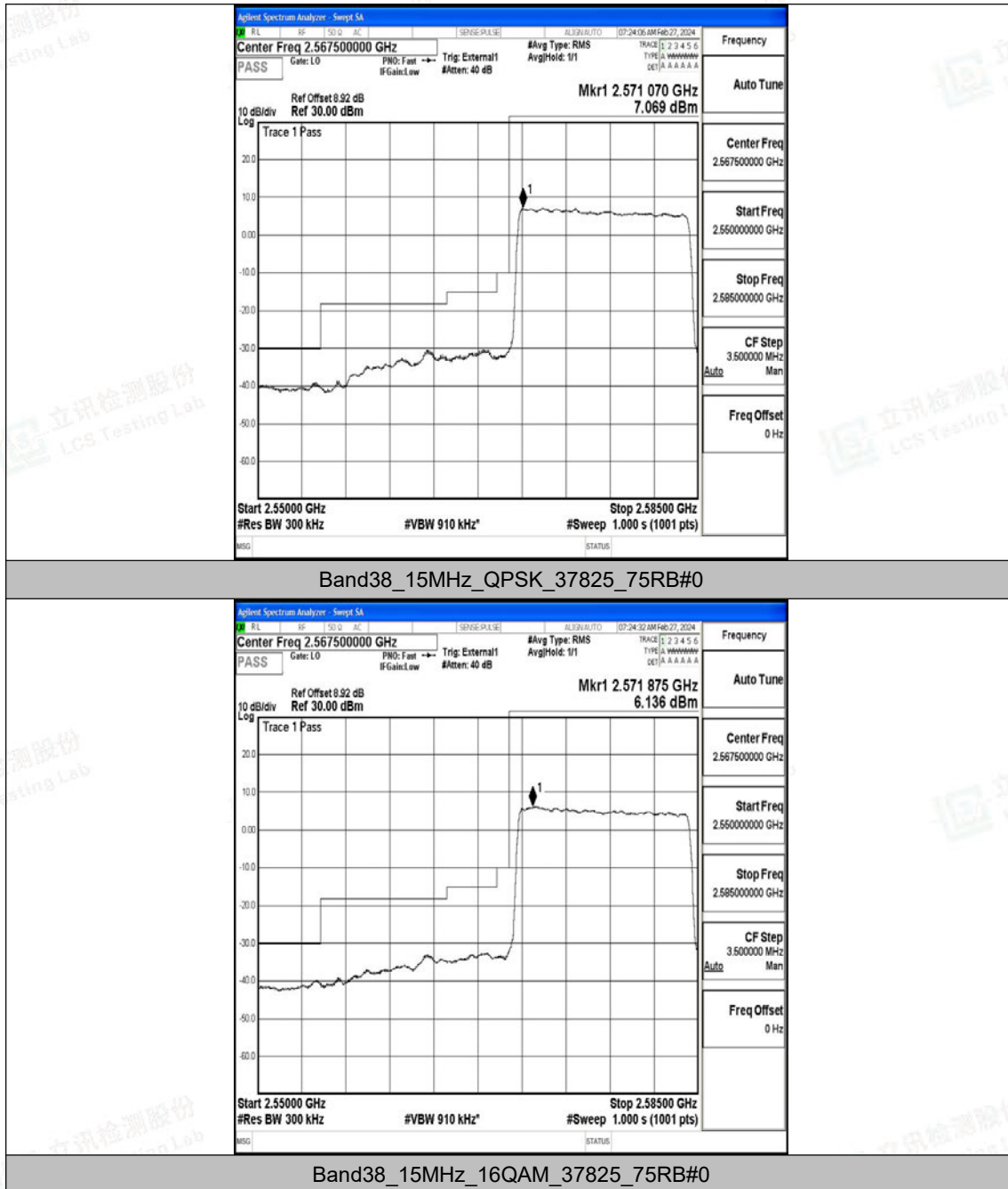
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