



Appendix K: Test Data for E-UTRA Band 38

Product Name: Phone tablet

Test Model: L-PAD PRO

Environmental Conditions

Temperature:	25.2°C
Relative Humidity:	52.6%
ATM Pressure:	100.0 kPa
Test Engineer:	Jerry Chu
Supervised by:	Can Kun



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K.1 Conducted Output Power Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band38	5MHz	QPSK	37775	1RB#0	21.66	PASS
Band38	5MHz	16QAM	37775	1RB#0	21.52	PASS
Band38	5MHz	QPSK	37775	1RB#12	21.83	PASS
Band38	5MHz	16QAM	37775	1RB#12	21.74	PASS
Band38	5MHz	QPSK	37775	1RB#24	21.65	PASS
Band38	5MHz	16QAM	37775	1RB#24	21.50	PASS
Band38	5MHz	QPSK	37775	12RB#0	21.06	PASS
Band38	5MHz	16QAM	37775	12RB#0	20.44	PASS
Band38	5MHz	QPSK	37775	12RB#6	21.07	PASS
Band38	5MHz	16QAM	37775	12RB#6	20.45	PASS
Band38	5MHz	QPSK	37775	12RB#13	21.00	PASS
Band38	5MHz	16QAM	37775	12RB#13	20.38	PASS
Band38	5MHz	QPSK	37775	25RB#0	20.96	PASS
Band38	5MHz	16QAM	37775	25RB#0	20.21	PASS
Band38	5MHz	QPSK	38000	1RB#0	21.63	PASS
Band38	5MHz	16QAM	38000	1RB#0	21.90	PASS
Band38	5MHz	QPSK	38000	1RB#12	21.67	PASS
Band38	5MHz	16QAM	38000	1RB#12	21.84	PASS
Band38	5MHz	QPSK	38000	1RB#24	21.66	PASS
Band38	5MHz	16QAM	38000	1RB#24	21.80	PASS
Band38	5MHz	QPSK	38000	12RB#0	20.50	PASS
Band38	5MHz	16QAM	38000	12RB#0	19.69	PASS
Band38	5MHz	QPSK	38000	12RB#6	20.69	PASS
Band38	5MHz	16QAM	38000	12RB#6	19.91	PASS
Band38	5MHz	QPSK	38000	12RB#13	20.64	PASS
Band38	5MHz	16QAM	38000	12RB#13	19.86	PASS
Band38	5MHz	QPSK	38000	25RB#0	20.53	PASS
Band38	5MHz	16QAM	38000	25RB#0	20.07	PASS
Band38	5MHz	QPSK	38225	1RB#0	22.23	PASS
Band38	5MHz	16QAM	38225	1RB#0	21.98	PASS
Band38	5MHz	QPSK	38225	1RB#12	22.11	PASS
Band38	5MHz	16QAM	38225	1RB#12	21.91	PASS
Band38	5MHz	QPSK	38225	1RB#24	22.19	PASS
Band38	5MHz	16QAM	38225	1RB#24	22.07	PASS
Band38	5MHz	QPSK	38225	12RB#0	21.33	PASS
Band38	5MHz	16QAM	38225	12RB#0	20.58	PASS



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Band38	5MHz	QPSK	38225	12RB#6	21.34	PASS
Band38	5MHz	16QAM	38225	12RB#6	20.59	PASS
Band38	5MHz	QPSK	38225	12RB#13	21.27	PASS
Band38	5MHz	16QAM	38225	12RB#13	20.60	PASS
Band38	5MHz	QPSK	38225	25RB#0	21.33	PASS
Band38	5MHz	16QAM	38225	25RB#0	20.69	PASS
Band38	10MHz	QPSK	37800	1RB#0	23.15	PASS
Band38	10MHz	16QAM	37800	1RB#0	22.79	PASS
Band38	10MHz	QPSK	37800	1RB#24	22.99	PASS
Band38	10MHz	16QAM	37800	1RB#24	22.77	PASS
Band38	10MHz	QPSK	37800	1RB#49	22.88	PASS
Band38	10MHz	16QAM	37800	1RB#49	22.66	PASS
Band38	10MHz	QPSK	37800	25RB#0	21.83	PASS
Band38	10MHz	16QAM	37800	25RB#0	21.15	PASS
Band38	10MHz	QPSK	37800	25RB#12	21.84	PASS
Band38	10MHz	16QAM	37800	25RB#12	21.16	PASS
Band38	10MHz	QPSK	37800	25RB#25	21.70	PASS
Band38	10MHz	16QAM	37800	25RB#25	21.08	PASS
Band38	10MHz	QPSK	37800	50RB#0	21.65	PASS
Band38	10MHz	16QAM	37800	50RB#0	20.98	PASS
Band38	10MHz	QPSK	38000	1RB#0	22.51	PASS
Band38	10MHz	16QAM	38000	1RB#0	22.26	PASS
Band38	10MHz	QPSK	38000	1RB#24	22.39	PASS
Band38	10MHz	16QAM	38000	1RB#24	22.20	PASS
Band38	10MHz	QPSK	38000	1RB#49	22.30	PASS
Band38	10MHz	16QAM	38000	1RB#49	21.49	PASS
Band38	10MHz	QPSK	38000	25RB#0	21.55	PASS
Band38	10MHz	16QAM	38000	25RB#0	20.91	PASS
Band38	10MHz	QPSK	38000	25RB#12	21.44	PASS
Band38	10MHz	16QAM	38000	25RB#12	20.91	PASS
Band38	10MHz	QPSK	38000	25RB#25	21.39	PASS
Band38	10MHz	16QAM	38000	25RB#25	20.94	PASS
Band38	10MHz	QPSK	38000	50RB#0	21.50	PASS
Band38	10MHz	16QAM	38000	50RB#0	20.75	PASS
Band38	10MHz	QPSK	38200	1RB#0	22.57	PASS
Band38	10MHz	16QAM	38200	1RB#0	22.27	PASS
Band38	10MHz	QPSK	38200	1RB#24	22.42	PASS
Band38	10MHz	16QAM	38200	1RB#24	22.26	PASS
Band38	10MHz	QPSK	38200	1RB#49	22.42	PASS
Band38	10MHz	16QAM	38200	1RB#49	22.22	PASS



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Band38	10MHz	QPSK	38200	25RB#0	21.34	PASS
Band38	10MHz	16QAM	38200	25RB#0	20.73	PASS
Band38	10MHz	QPSK	38200	25RB#12	21.35	PASS
Band38	10MHz	16QAM	38200	25RB#12	20.73	PASS
Band38	10MHz	QPSK	38200	25RB#25	21.28	PASS
Band38	10MHz	16QAM	38200	25RB#25	20.57	PASS
Band38	10MHz	QPSK	38200	50RB#0	21.42	PASS
Band38	10MHz	16QAM	38200	50RB#0	20.74	PASS
Band38	15MHz	QPSK	37825	1RB#0	23.11	PASS
Band38	15MHz	16QAM	37825	1RB#0	22.93	PASS
Band38	15MHz	QPSK	37825	1RB#38	22.92	PASS
Band38	15MHz	16QAM	37825	1RB#38	22.71	PASS
Band38	15MHz	QPSK	37825	1RB#74	22.93	PASS
Band38	15MHz	16QAM	37825	1RB#74	22.73	PASS
Band38	15MHz	QPSK	37825	38RB#0	21.84	PASS
Band38	15MHz	16QAM	37825	38RB#0	21.84	PASS
Band38	15MHz	QPSK	37825	38RB#18	21.84	PASS
Band38	15MHz	16QAM	37825	38RB#18	21.69	PASS
Band38	15MHz	QPSK	37825	38RB#37	21.60	PASS
Band38	15MHz	16QAM	37825	38RB#37	21.59	PASS
Band38	15MHz	QPSK	37825	75RB#0	21.59	PASS
Band38	15MHz	16QAM	37825	75RB#0	21.11	PASS
Band38	15MHz	QPSK	38000	1RB#0	23.17	PASS
Band38	15MHz	16QAM	38000	1RB#0	21.57	PASS
Band38	15MHz	QPSK	38000	1RB#38	23.07	PASS
Band38	15MHz	16QAM	38000	1RB#38	21.07	PASS
Band38	15MHz	QPSK	38000	1RB#74	23.09	PASS
Band38	15MHz	16QAM	38000	1RB#74	21.51	PASS
Band38	15MHz	QPSK	38000	38RB#0	21.56	PASS
Band38	15MHz	16QAM	38000	38RB#0	21.56	PASS
Band38	15MHz	QPSK	38000	38RB#18	21.56	PASS
Band38	15MHz	16QAM	38000	38RB#18	21.56	PASS
Band38	15MHz	QPSK	38000	38RB#37	21.56	PASS
Band38	15MHz	16QAM	38000	38RB#37	21.56	PASS
Band38	15MHz	QPSK	38000	75RB#0	21.56	PASS
Band38	15MHz	16QAM	38000	75RB#0	21.01	PASS
Band38	15MHz	QPSK	38175	1RB#0	22.63	PASS
Band38	15MHz	16QAM	38175	1RB#0	22.54	PASS
Band38	15MHz	QPSK	38175	1RB#38	22.48	PASS
Band38	15MHz	16QAM	38175	1RB#38	22.30	PASS



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Band38	15MHz	QPSK	38175	1RB#74	22.36	PASS
Band38	15MHz	16QAM	38175	1RB#74	22.18	PASS
Band38	15MHz	QPSK	38175	38RB#0	21.38	PASS
Band38	15MHz	16QAM	38175	38RB#0	21.38	PASS
Band38	15MHz	QPSK	38175	38RB#18	21.38	PASS
Band38	15MHz	16QAM	38175	38RB#18	21.38	PASS
Band38	15MHz	QPSK	38175	38RB#37	21.38	PASS
Band38	15MHz	16QAM	38175	38RB#37	21.38	PASS
Band38	15MHz	QPSK	38175	75RB#0	21.38	PASS
Band38	15MHz	16QAM	38175	75RB#0	20.63	PASS
Band38	20MHz	QPSK	37850	1RB#0	22.45	PASS
Band38	20MHz	16QAM	37850	1RB#0	22.17	PASS
Band38	20MHz	QPSK	37850	1RB#49	22.44	PASS
Band38	20MHz	16QAM	37850	1RB#49	22.07	PASS
Band38	20MHz	QPSK	37850	1RB#99	22.29	PASS
Band38	20MHz	16QAM	37850	1RB#99	22.00	PASS
Band38	20MHz	QPSK	37850	50RB#0	21.86	PASS
Band38	20MHz	16QAM	37850	50RB#0	21.36	PASS
Band38	20MHz	QPSK	37850	50RB#25	21.73	PASS
Band38	20MHz	16QAM	37850	50RB#25	21.36	PASS
Band38	20MHz	QPSK	37850	50RB#50	21.60	PASS
Band38	20MHz	16QAM	37850	50RB#50	21.15	PASS
Band38	20MHz	QPSK	37850	100RB#0	21.79	PASS
Band38	20MHz	16QAM	37850	100RB#0	21.07	PASS
Band38	20MHz	QPSK	38000	1RB#0	22.53	PASS
Band38	20MHz	16QAM	38000	1RB#0	21.90	PASS
Band38	20MHz	QPSK	38000	1RB#49	22.70	PASS
Band38	20MHz	16QAM	38000	1RB#49	21.83	PASS
Band38	20MHz	QPSK	38000	1RB#99	22.60	PASS
Band38	20MHz	16QAM	38000	1RB#99	21.83	PASS
Band38	20MHz	QPSK	38000	50RB#0	21.63	PASS
Band38	20MHz	16QAM	38000	50RB#0	21.08	PASS
Band38	20MHz	QPSK	38000	50RB#25	21.64	PASS
Band38	20MHz	16QAM	38000	50RB#25	20.98	PASS
Band38	20MHz	QPSK	38000	50RB#50	21.68	PASS
Band38	20MHz	16QAM	38000	50RB#50	21.03	PASS
Band38	20MHz	QPSK	38000	100RB#0	21.56	PASS
Band38	20MHz	16QAM	38000	100RB#0	21.04	PASS
Band38	20MHz	QPSK	38150	1RB#0	22.35	PASS
Band38	20MHz	16QAM	38150	1RB#0	22.70	PASS



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Band38	20MHz	QPSK	38150	1RB#49	22.19	PASS
Band38	20MHz	16QAM	38150	1RB#49	22.44	PASS
Band38	20MHz	QPSK	38150	1RB#99	22.11	PASS
Band38	20MHz	16QAM	38150	1RB#99	22.19	PASS
Band38	20MHz	QPSK	38150	50RB#0	21.48	PASS
Band38	20MHz	16QAM	38150	50RB#0	20.78	PASS
Band38	20MHz	QPSK	38150	50RB#25	21.30	PASS
Band38	20MHz	16QAM	38150	50RB#25	20.78	PASS
Band38	20MHz	QPSK	38150	50RB#50	21.14	PASS
Band38	20MHz	16QAM	38150	50RB#50	20.61	PASS
Band38	20MHz	QPSK	38150	100RB#0	21.22	PASS
Band38	20MHz	16QAM	38150	100RB#0	20.68	PASS





K.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	8.36	13	PASS
Band38	5MHz	16QAM	37775	1RB#0	8.76	13	PASS
Band38	5MHz	QPSK	37775	25RB#0	8.96	13	PASS
Band38	5MHz	16QAM	37775	25RB#0	9.68	13	PASS
Band38	5MHz	QPSK	38000	1RB#0	8.69	13	PASS
Band38	5MHz	16QAM	38000	1RB#0	8.70	13	PASS
Band38	5MHz	QPSK	38000	25RB#0	9.06	13	PASS
Band38	5MHz	16QAM	38000	25RB#0	9.83	13	PASS
Band38	5MHz	QPSK	38225	1RB#0	8.15	13	PASS
Band38	5MHz	16QAM	38225	1RB#0	8.68	13	PASS
Band38	5MHz	QPSK	38225	25RB#0	8.93	13	PASS
Band38	5MHz	16QAM	38225	25RB#0	9.62	13	PASS
Band38	10MHz	QPSK	37800	1RB#0	8.14	13	PASS
Band38	10MHz	16QAM	37800	1RB#0	8.48	13	PASS
Band38	10MHz	QPSK	37800	50RB#0	9.16	13	PASS
Band38	10MHz	16QAM	37800	50RB#0	9.76	13	PASS
Band38	10MHz	QPSK	38000	1RB#0	8.52	13	PASS
Band38	10MHz	16QAM	38000	1RB#0	9.28	13	PASS
Band38	10MHz	QPSK	38000	50RB#0	9.03	13	PASS
Band38	10MHz	16QAM	38000	50RB#0	9.77	13	PASS
Band38	10MHz	QPSK	38200	1RB#0	8.82	13	PASS
Band38	10MHz	16QAM	38200	1RB#0	8.88	13	PASS
Band38	10MHz	QPSK	38200	50RB#0	8.85	13	PASS
Band38	10MHz	16QAM	38200	50RB#0	9.55	13	PASS
Band38	15MHz	QPSK	37825	1RB#0	8.32	13	PASS
Band38	15MHz	16QAM	37825	1RB#0	8.62	13	PASS
Band38	15MHz	QPSK	37825	75RB#0	9.18	13	PASS
Band38	15MHz	16QAM	37825	75RB#0	9.93	13	PASS
Band38	15MHz	QPSK	38000	1RB#0	8.47	13	PASS
Band38	15MHz	16QAM	38000	1RB#0	9.14	13	PASS
Band38	15MHz	QPSK	38000	75RB#0	9.48	13	PASS
Band38	15MHz	16QAM	38000	75RB#0	9.74	13	PASS
Band38	15MHz	QPSK	38175	1RB#0	8.04	13	PASS
Band38	15MHz	16QAM	38175	1RB#0	9.39	13	PASS
Band38	15MHz	QPSK	38175	75RB#0	9.37	13	PASS
Band38	15MHz	16QAM	38175	75RB#0	9.82	13	PASS



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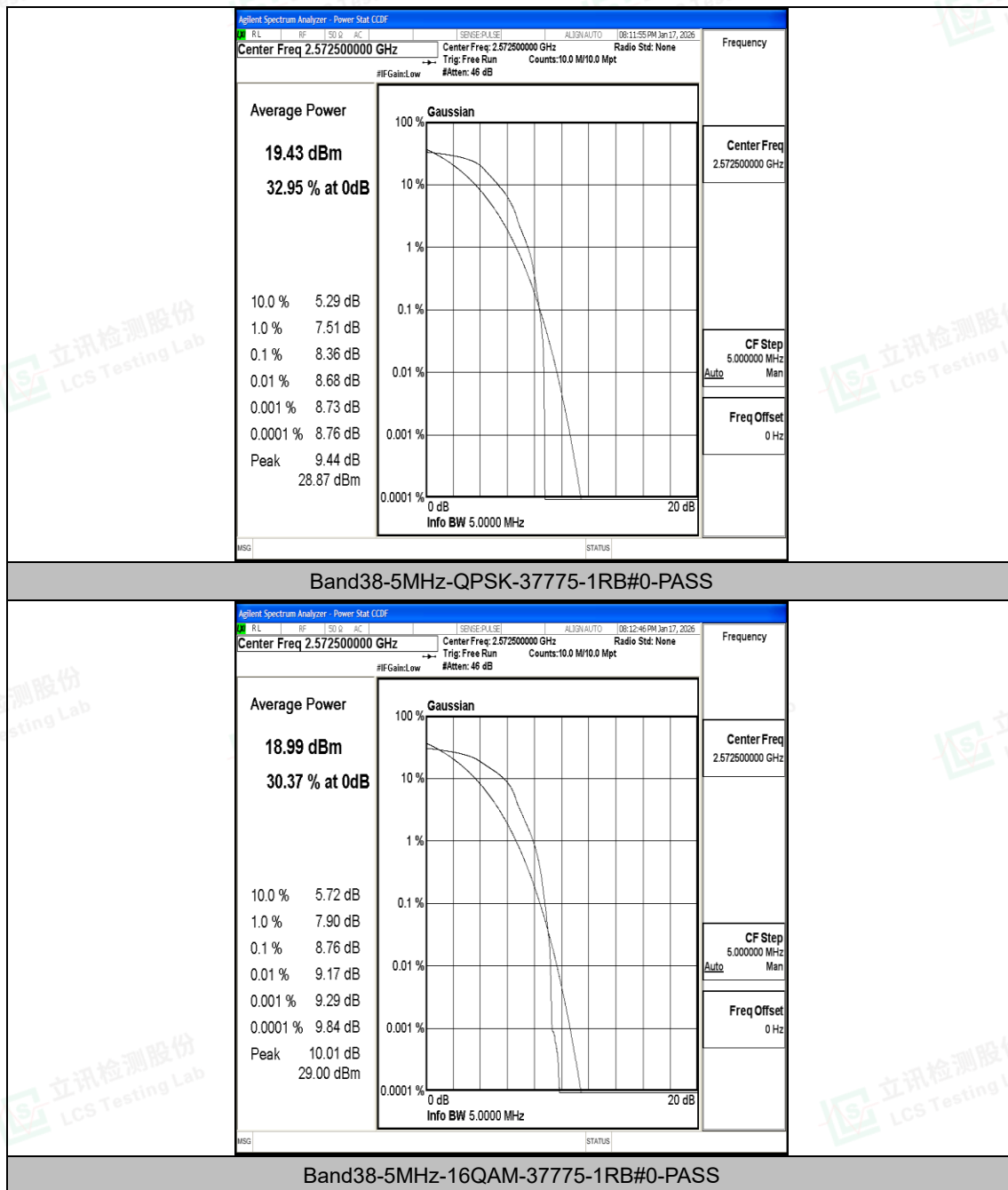


Band38	20MHz	QPSK	37850	1RB#0	8.26	13	PASS
Band38	20MHz	16QAM	37850	1RB#0	8.50	13	PASS
Band38	20MHz	QPSK	37850	100RB#0	9.03	13	PASS
Band38	20MHz	16QAM	37850	100RB#0	9.74	13	PASS
Band38	20MHz	QPSK	38000	1RB#0	8.70	13	PASS
Band38	20MHz	16QAM	38000	1RB#0	9.11	13	PASS
Band38	20MHz	QPSK	38000	100RB#0	8.93	13	PASS
Band38	20MHz	16QAM	38000	100RB#0	9.78	13	PASS
Band38	20MHz	QPSK	38150	1RB#0	8.60	13	PASS
Band38	20MHz	16QAM	38150	1RB#0	9.00	13	PASS
Band38	20MHz	QPSK	38150	100RB#0	8.90	13	PASS
Band38	20MHz	16QAM	38150	100RB#0	9.88	13	PASS





Test Graphs

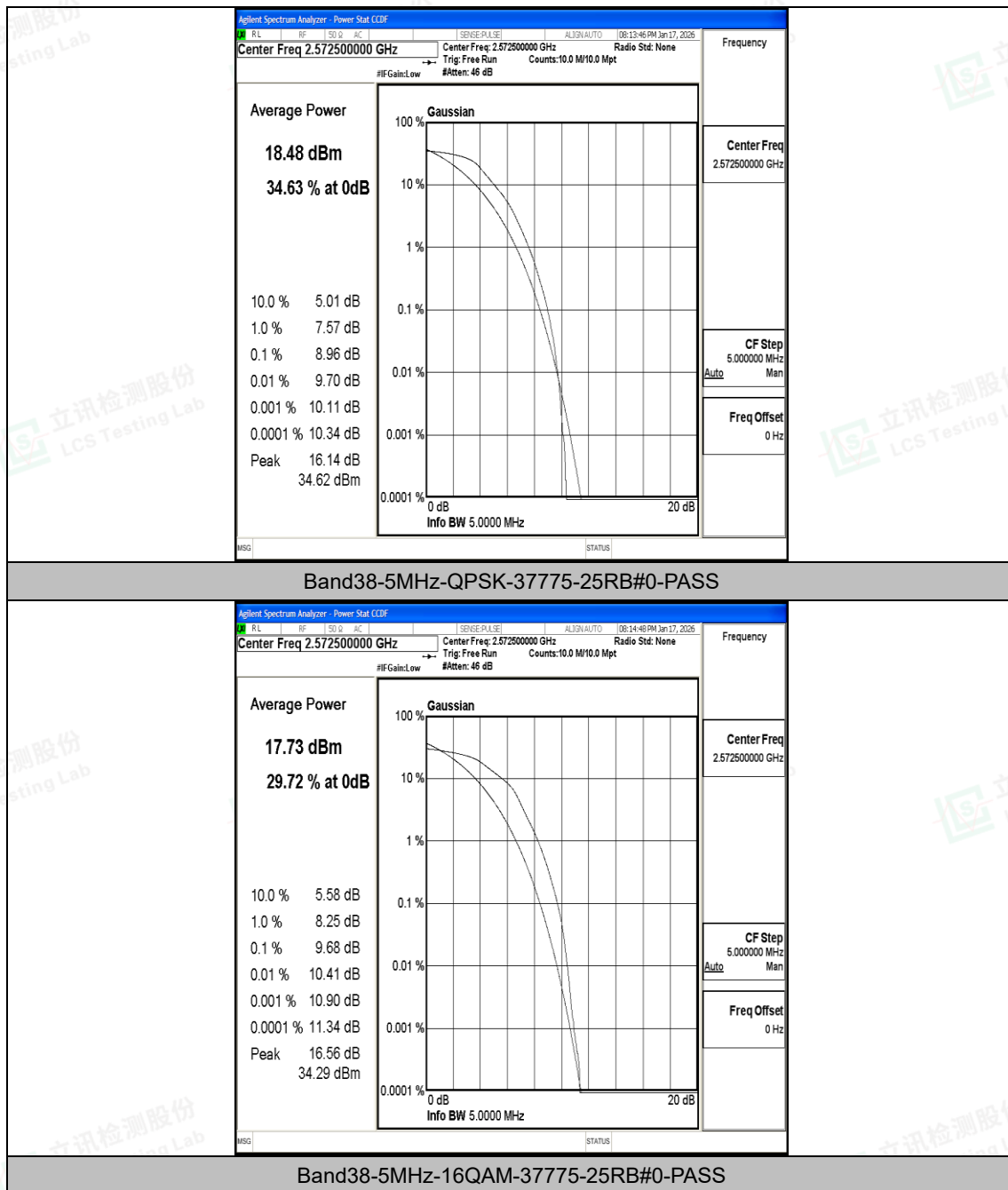


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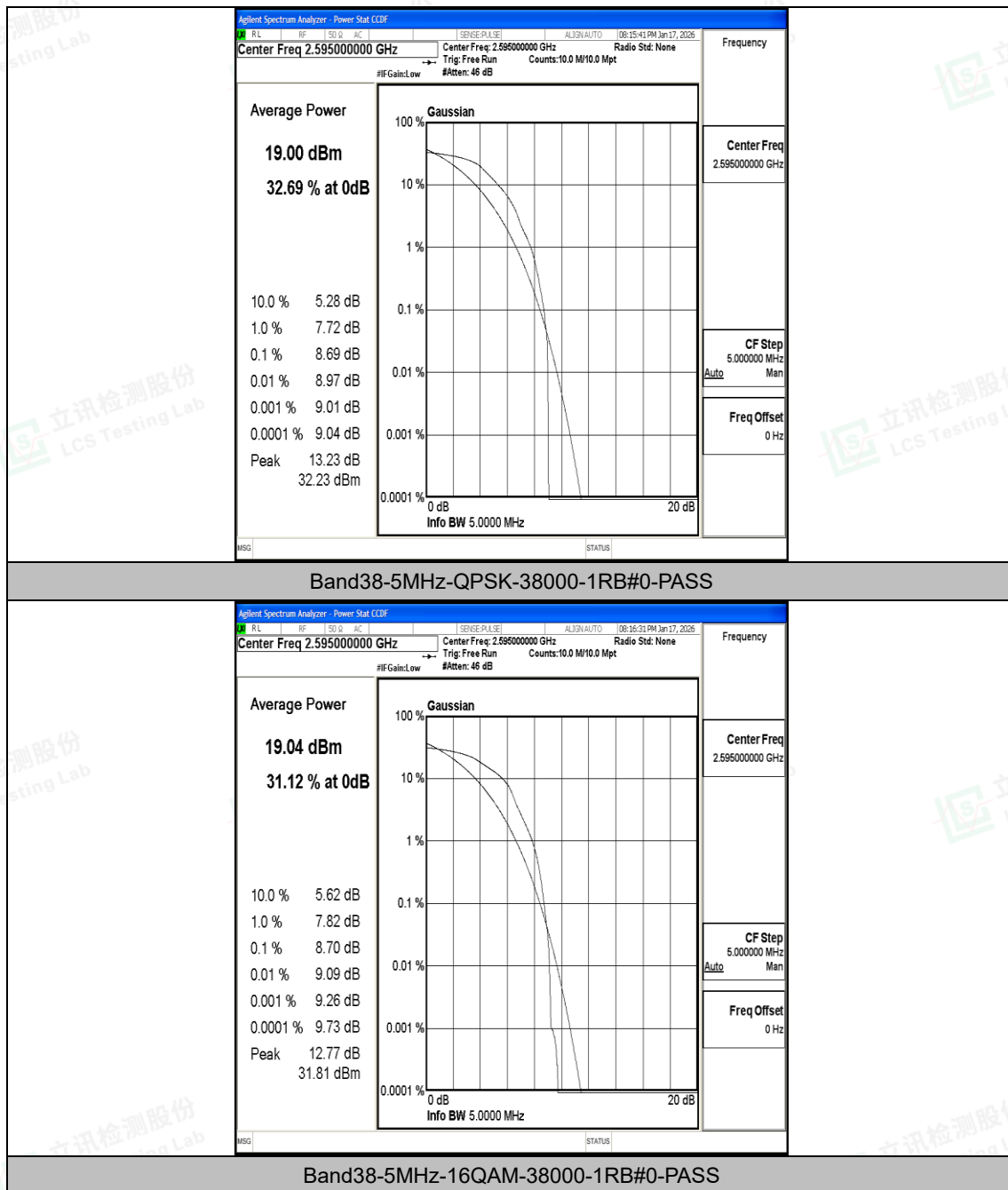


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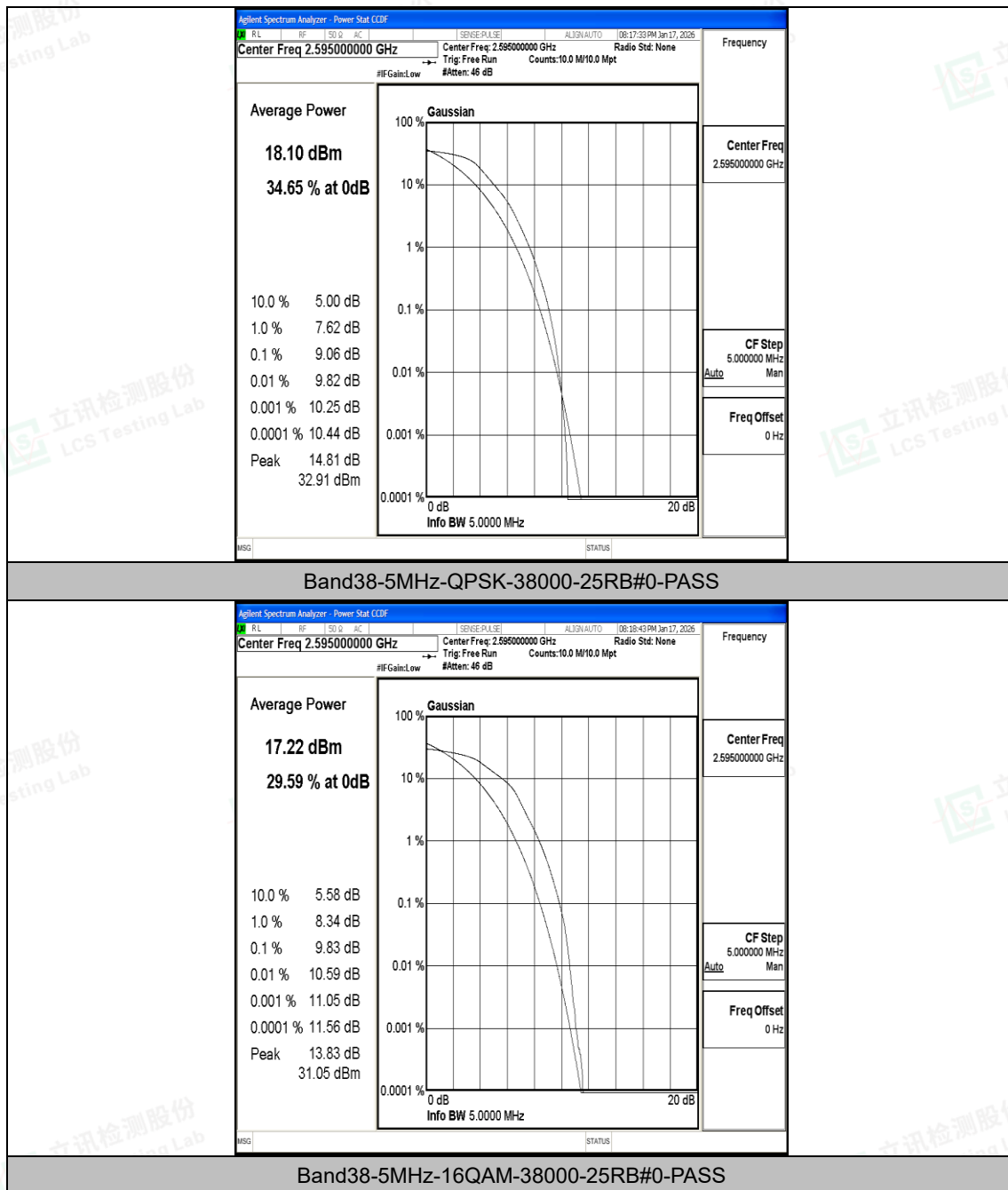


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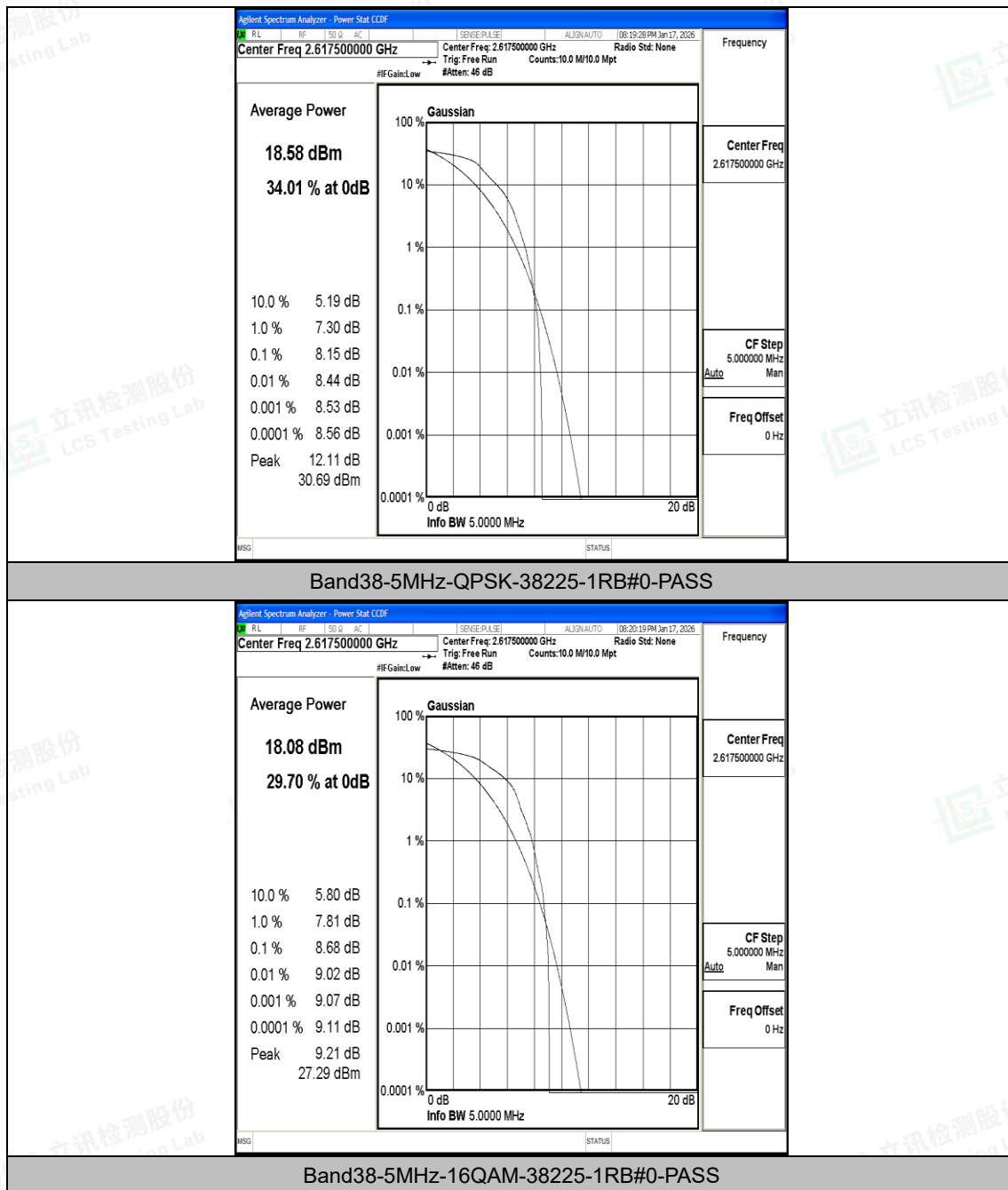


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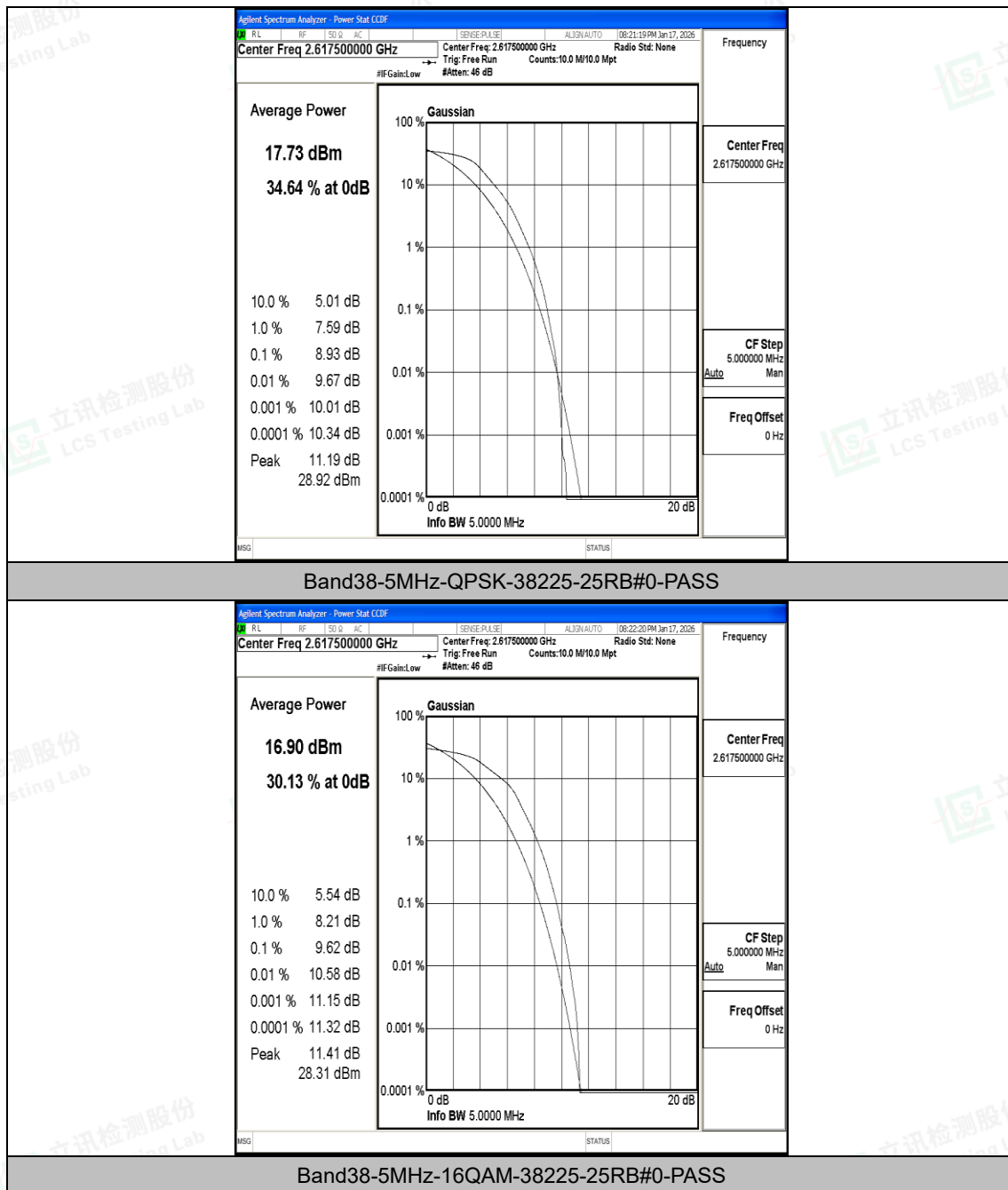


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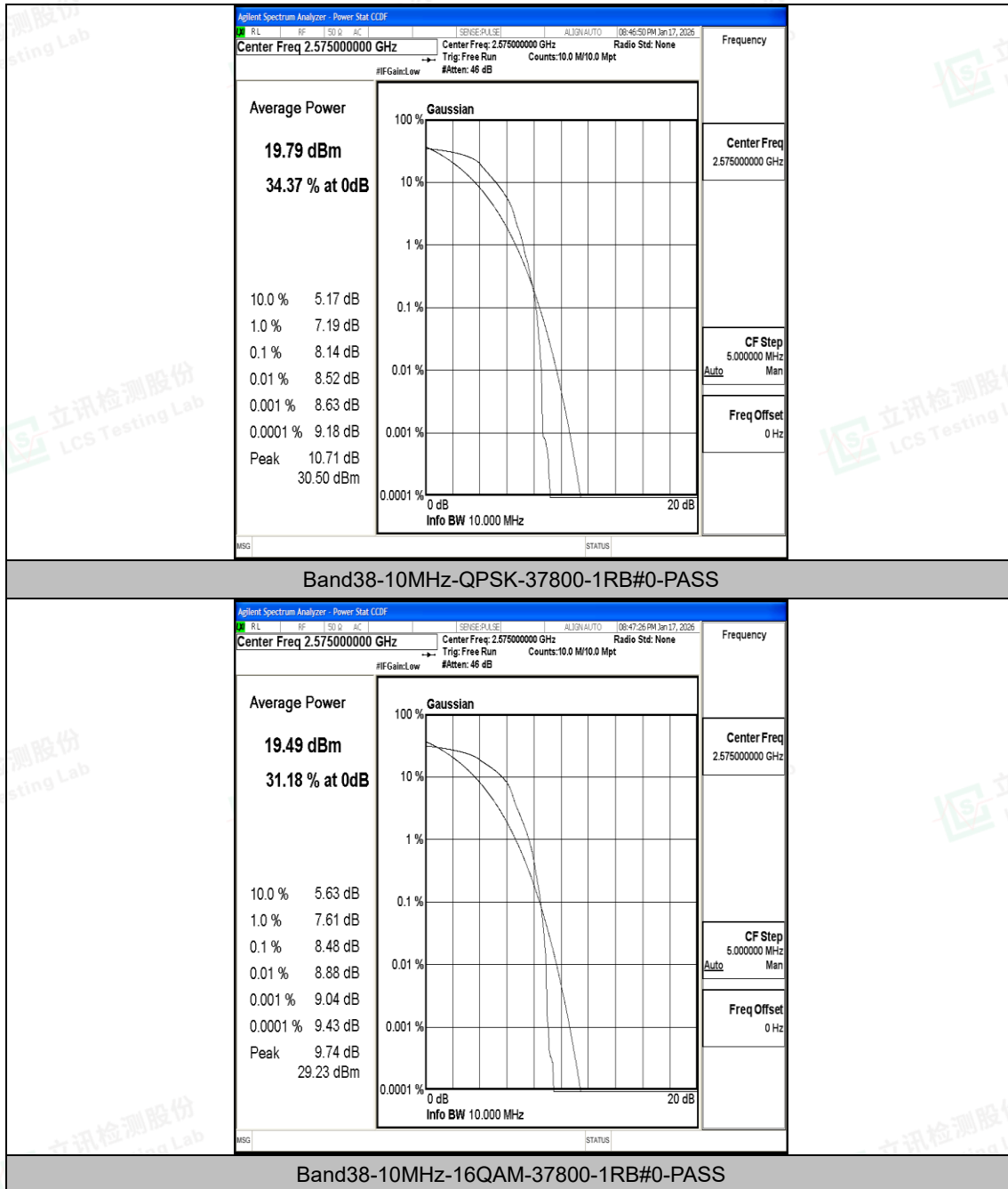


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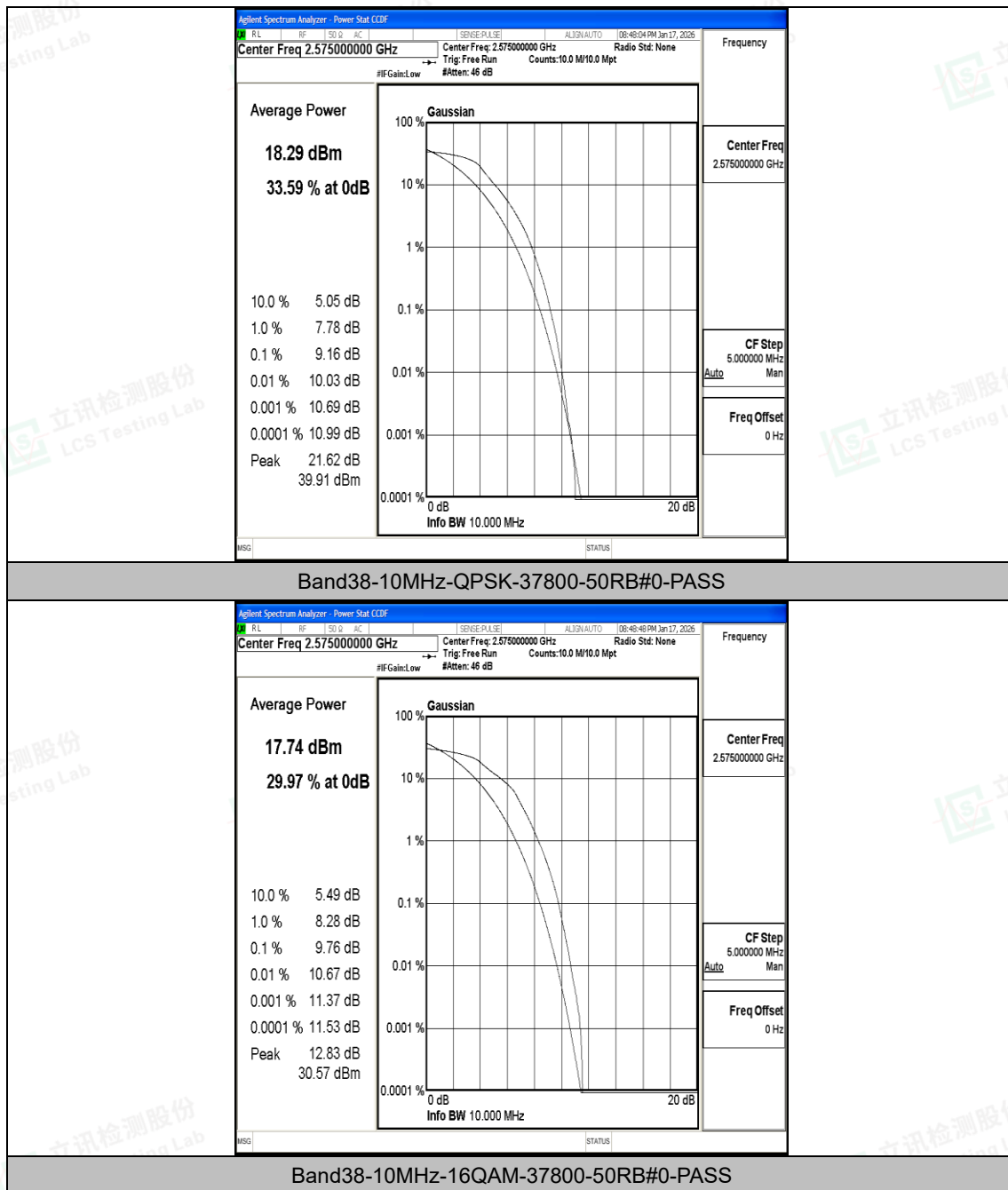


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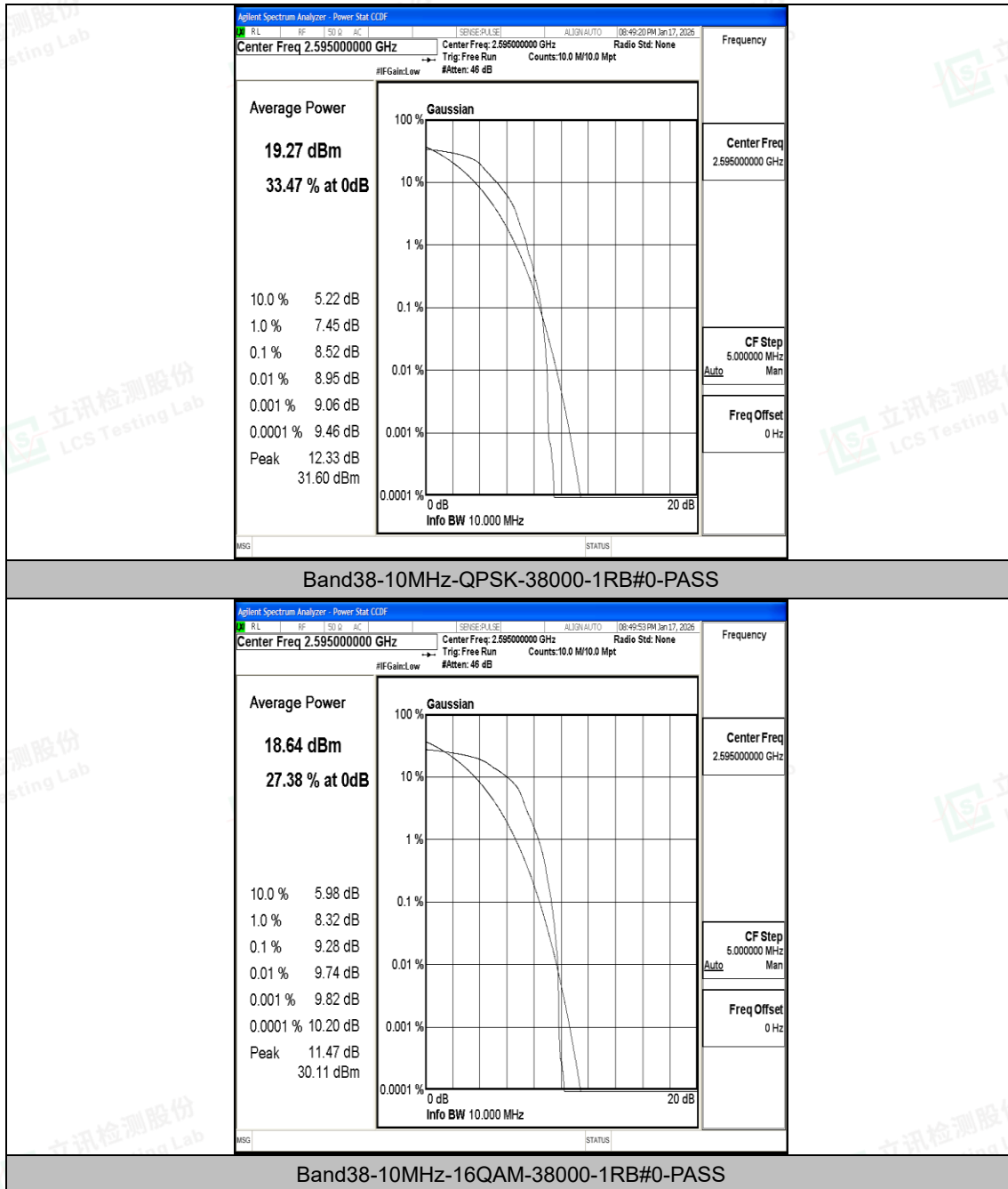


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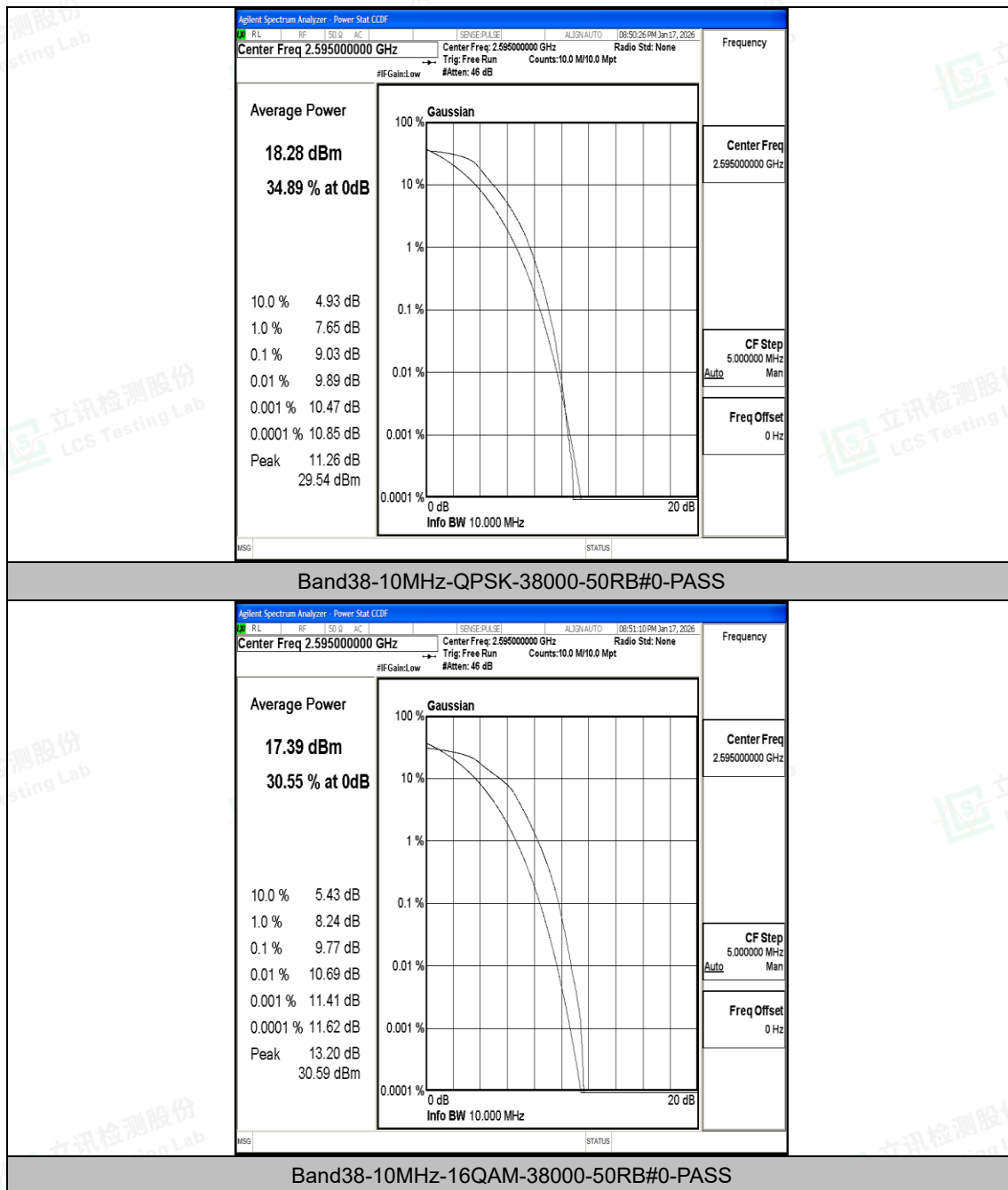


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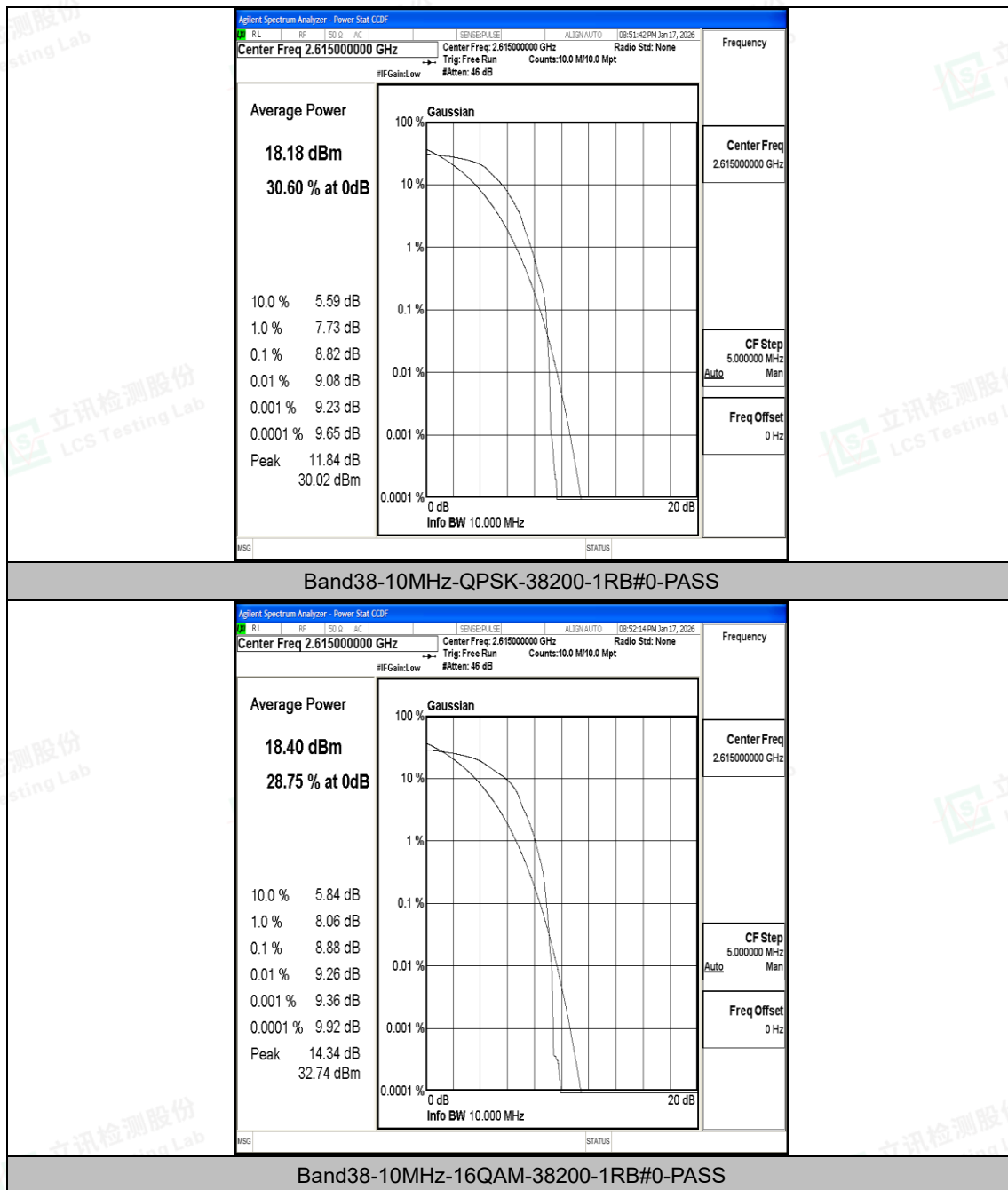


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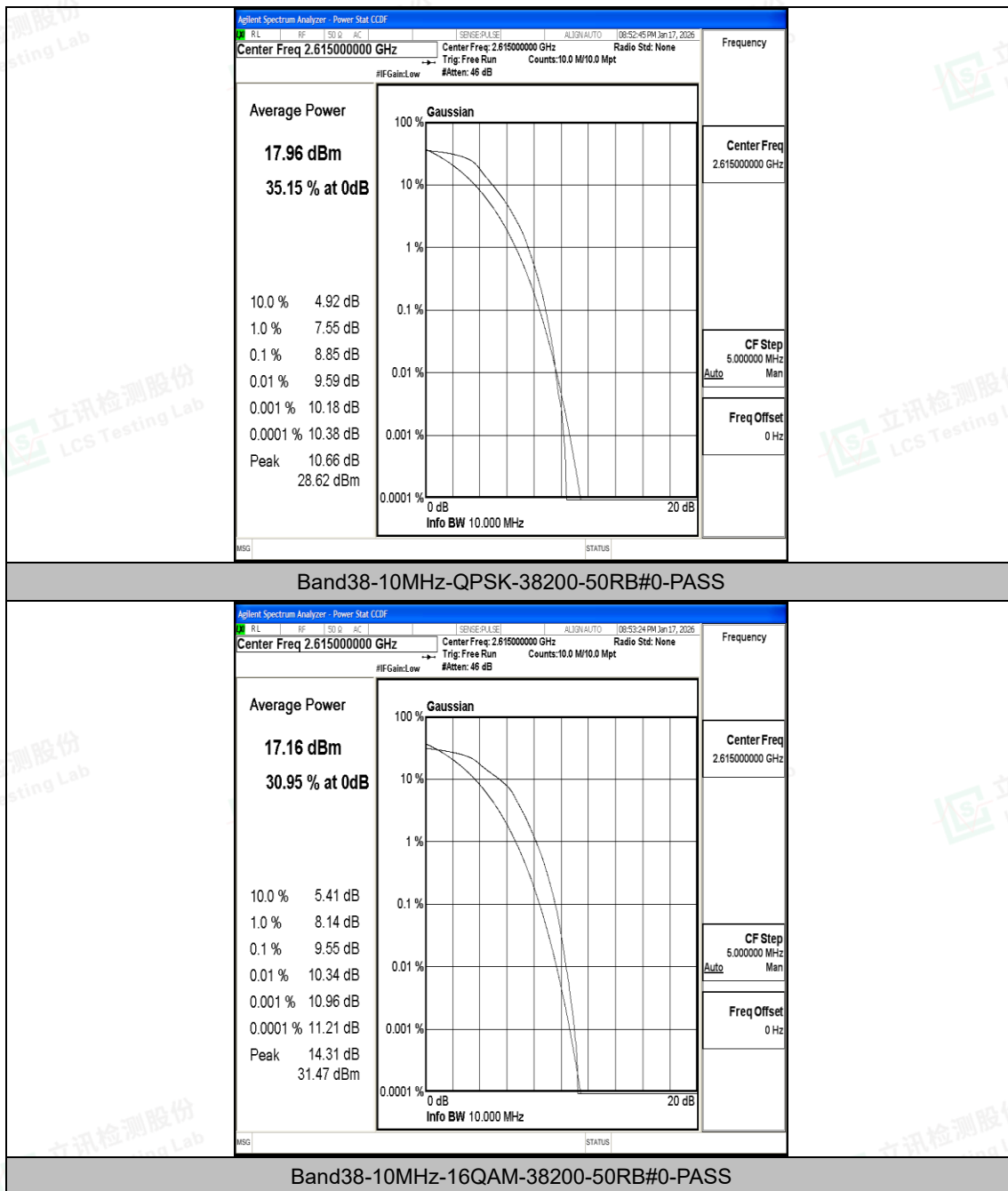


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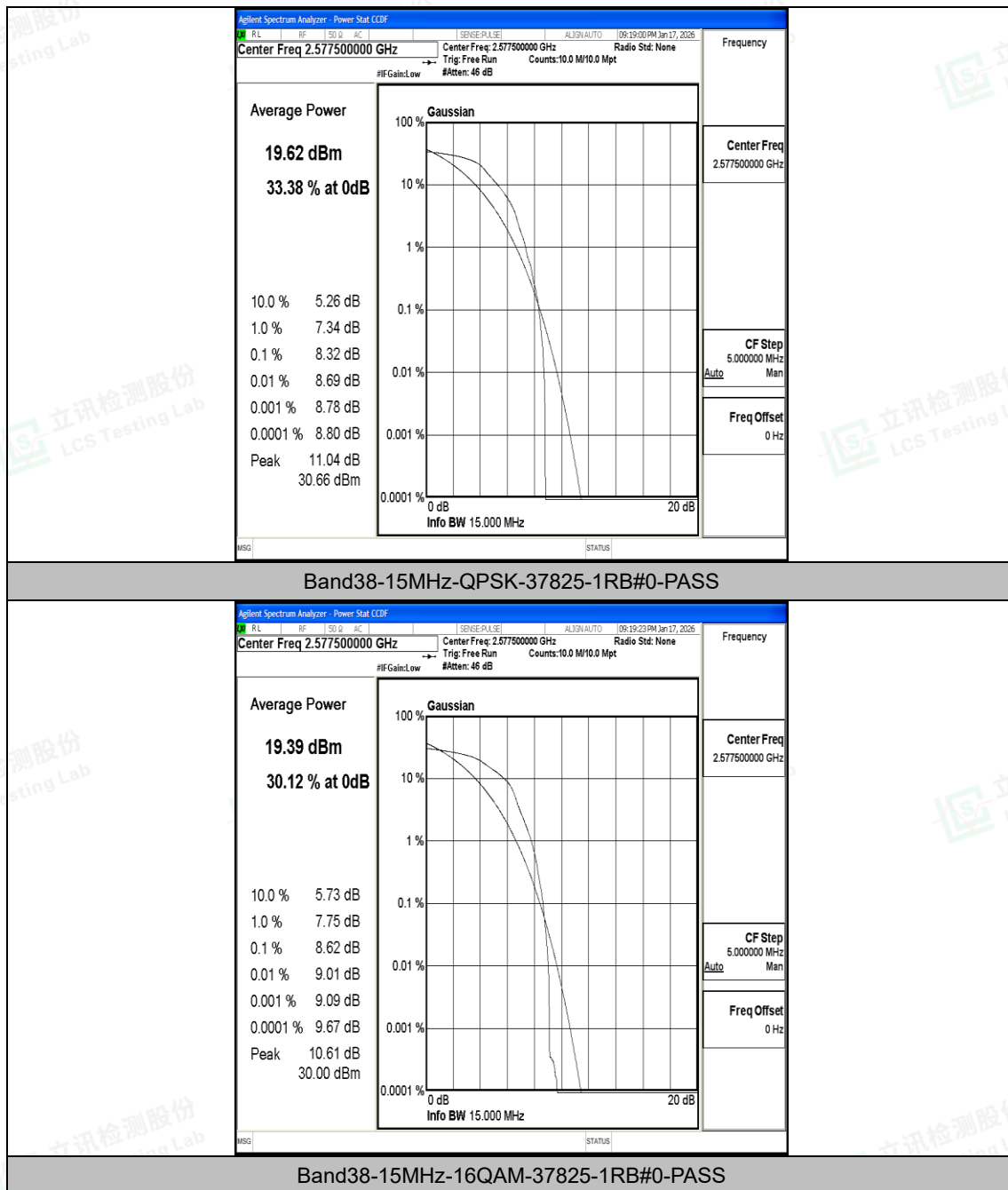


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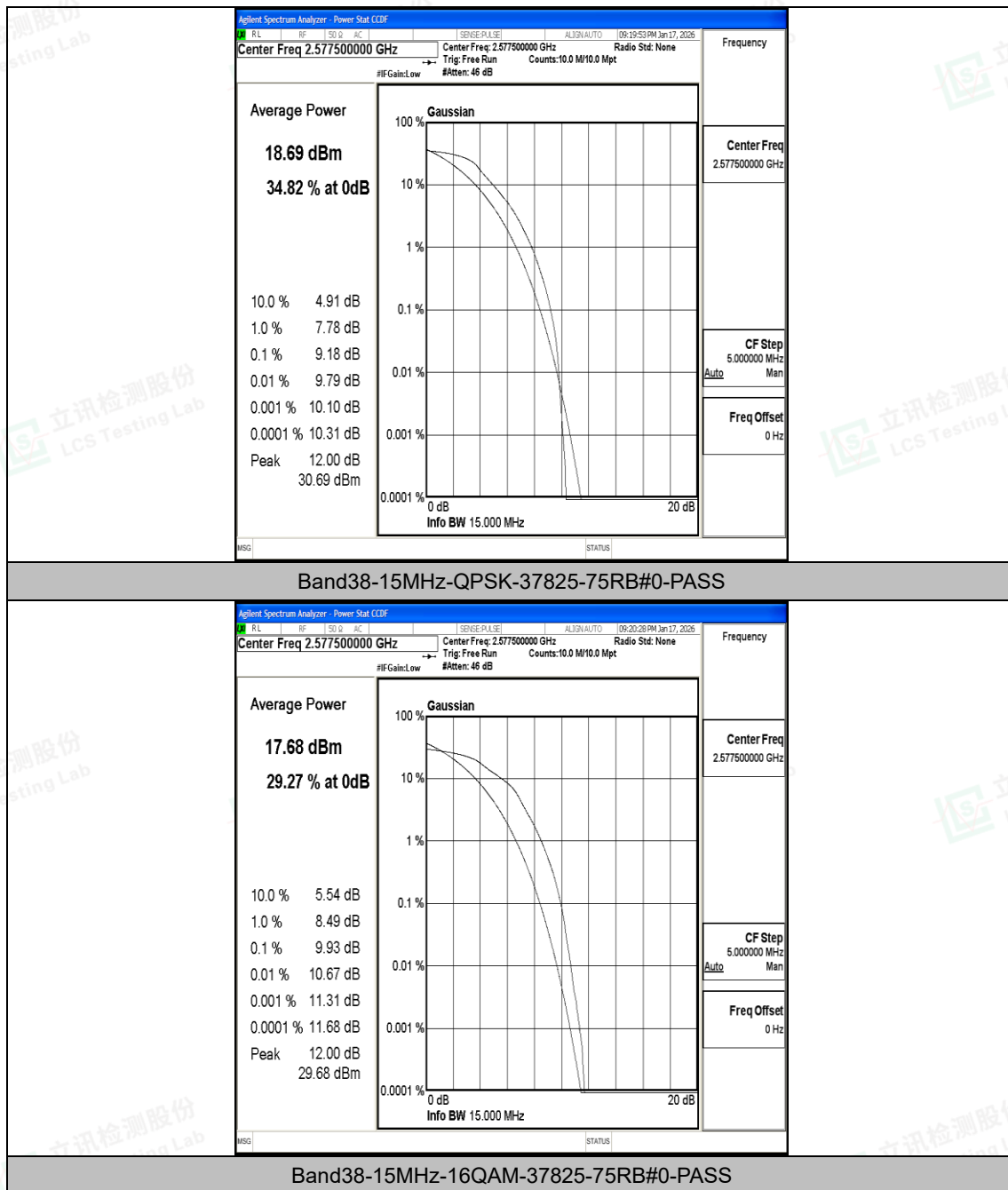


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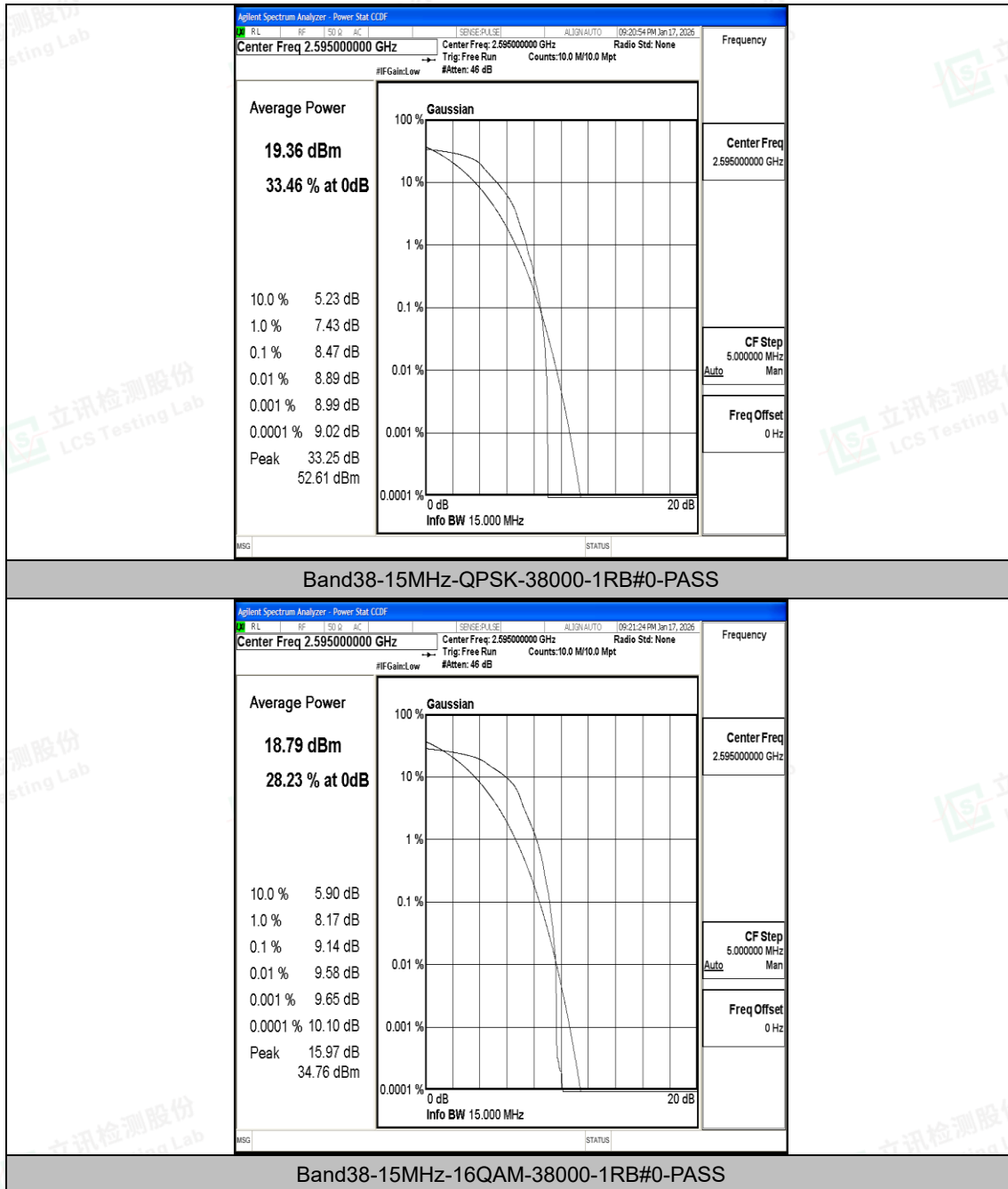


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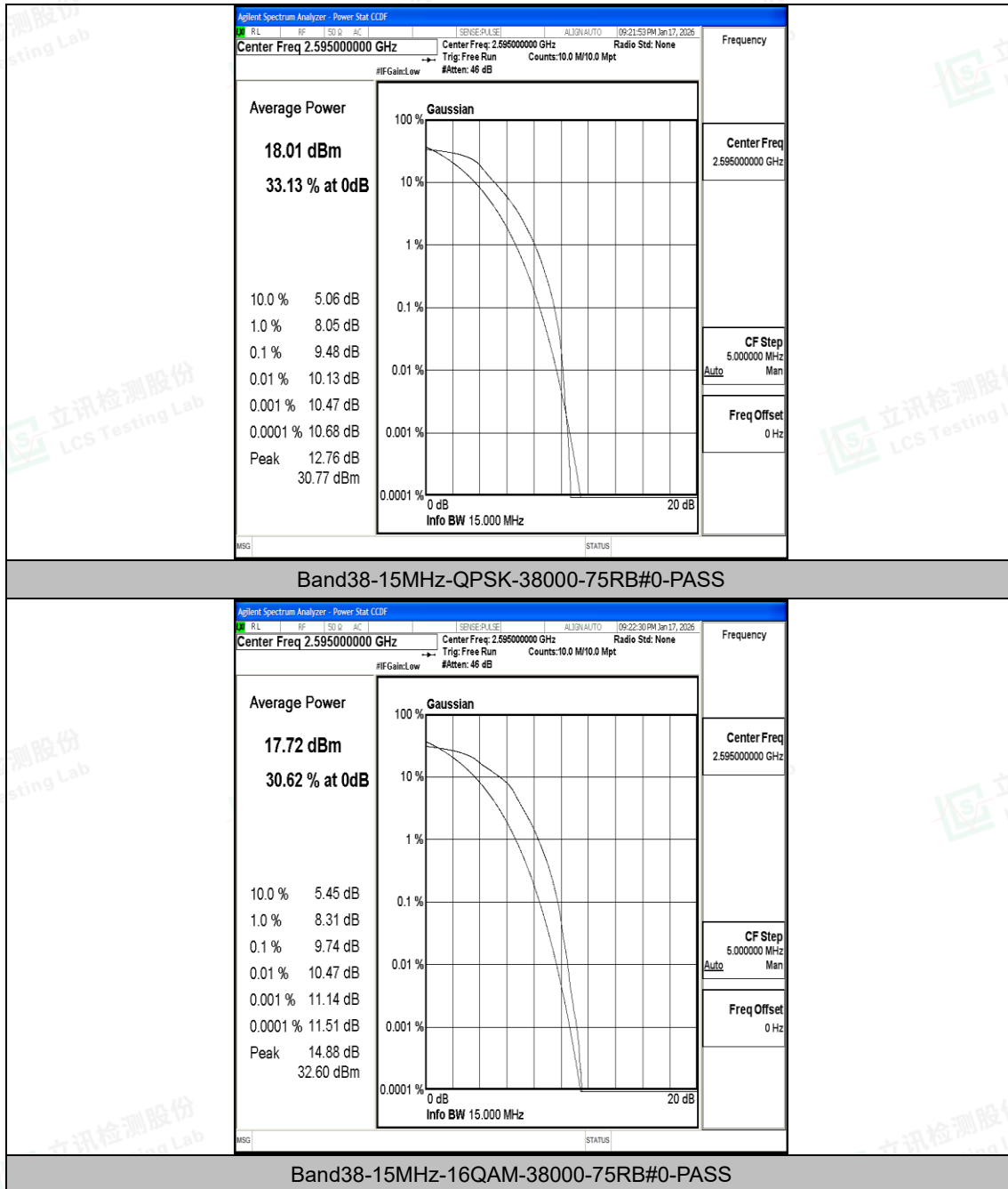


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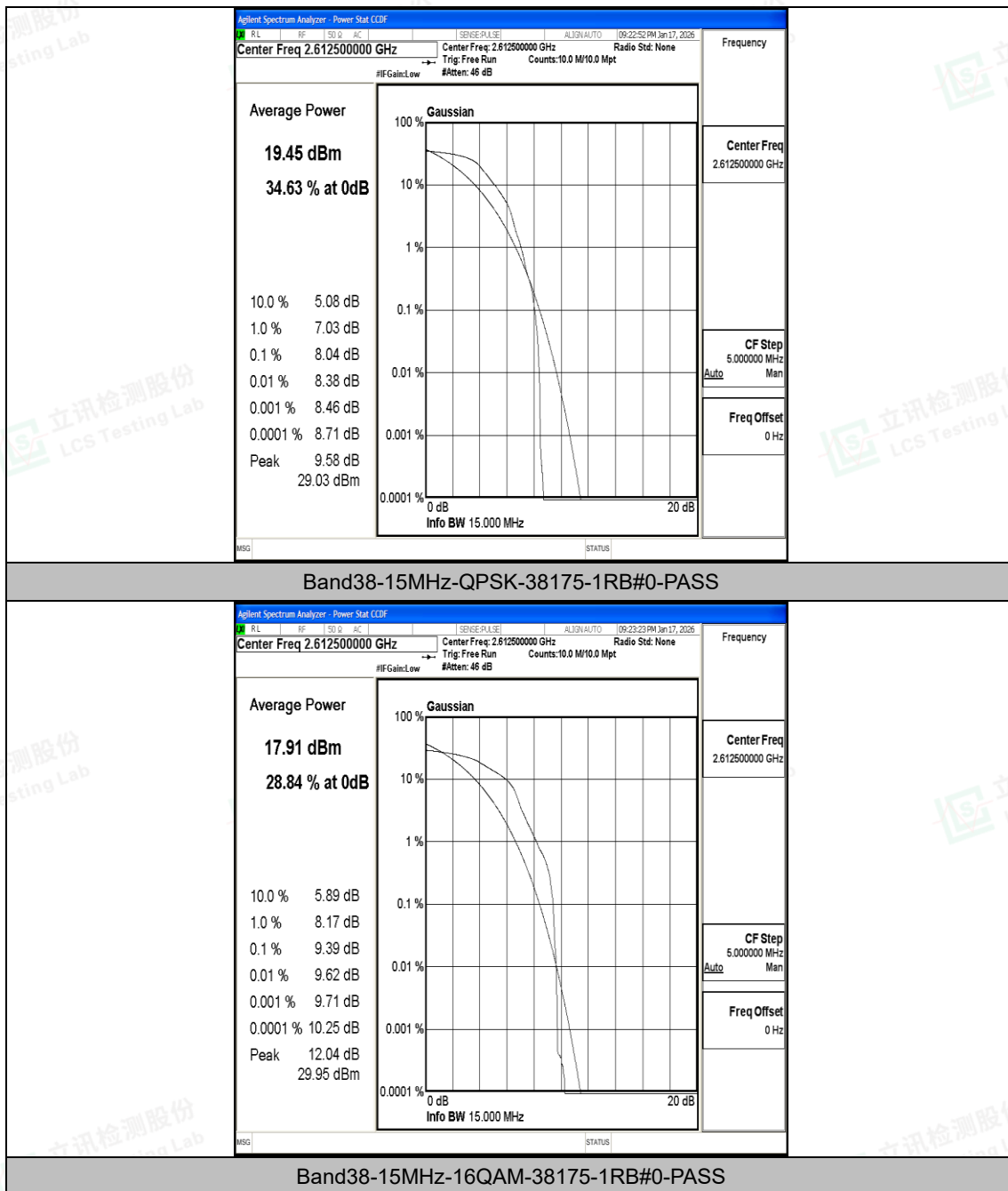


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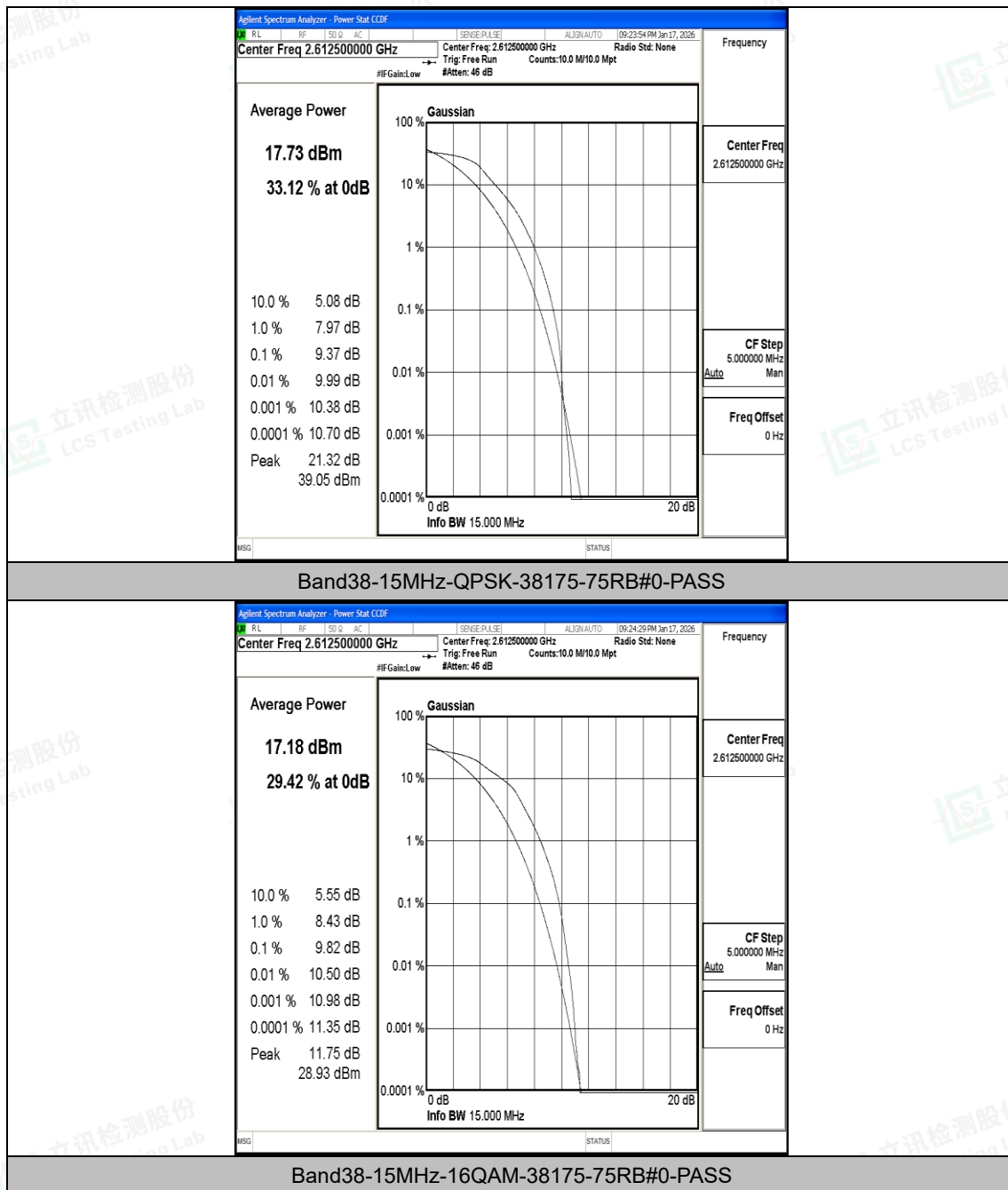


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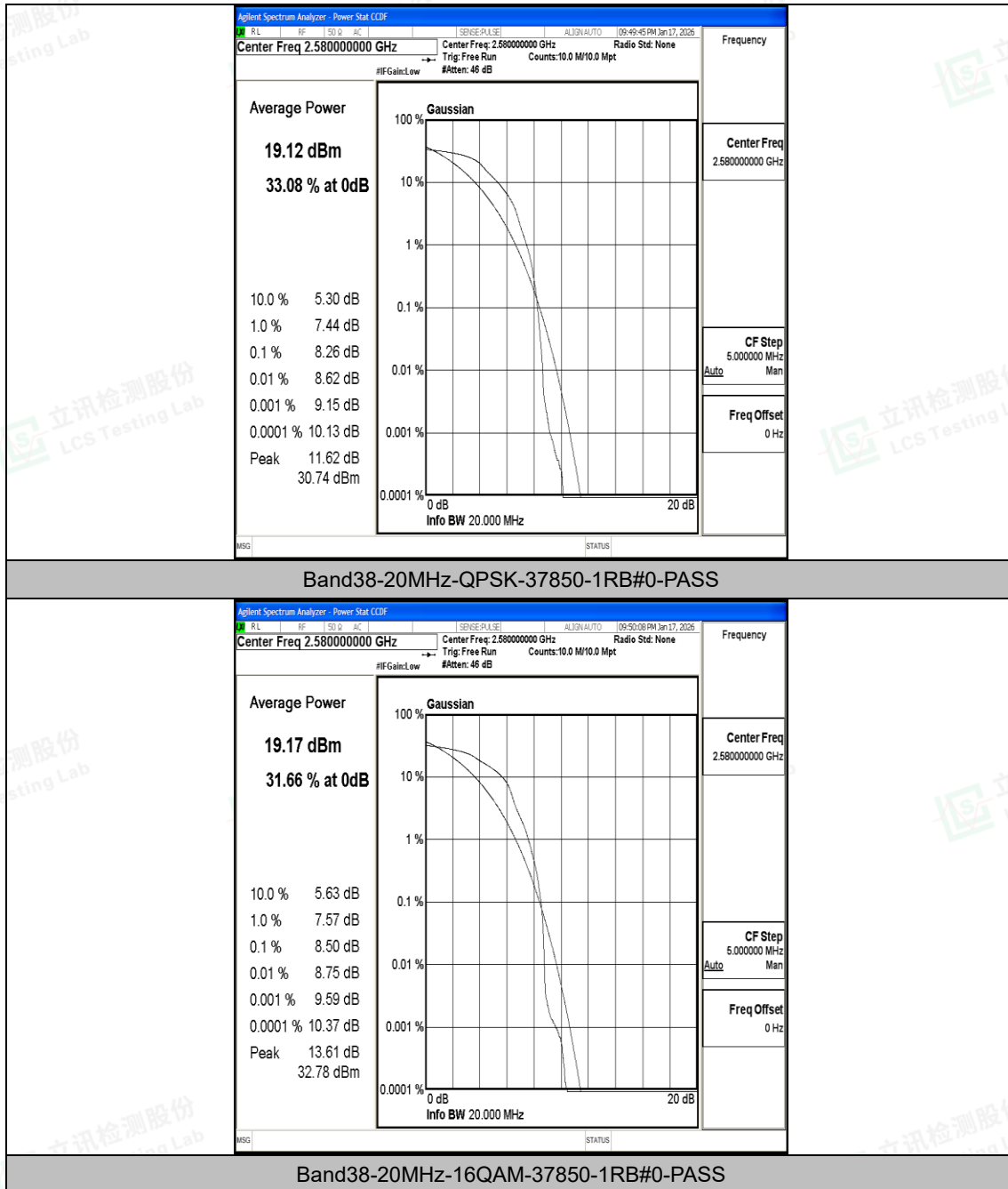


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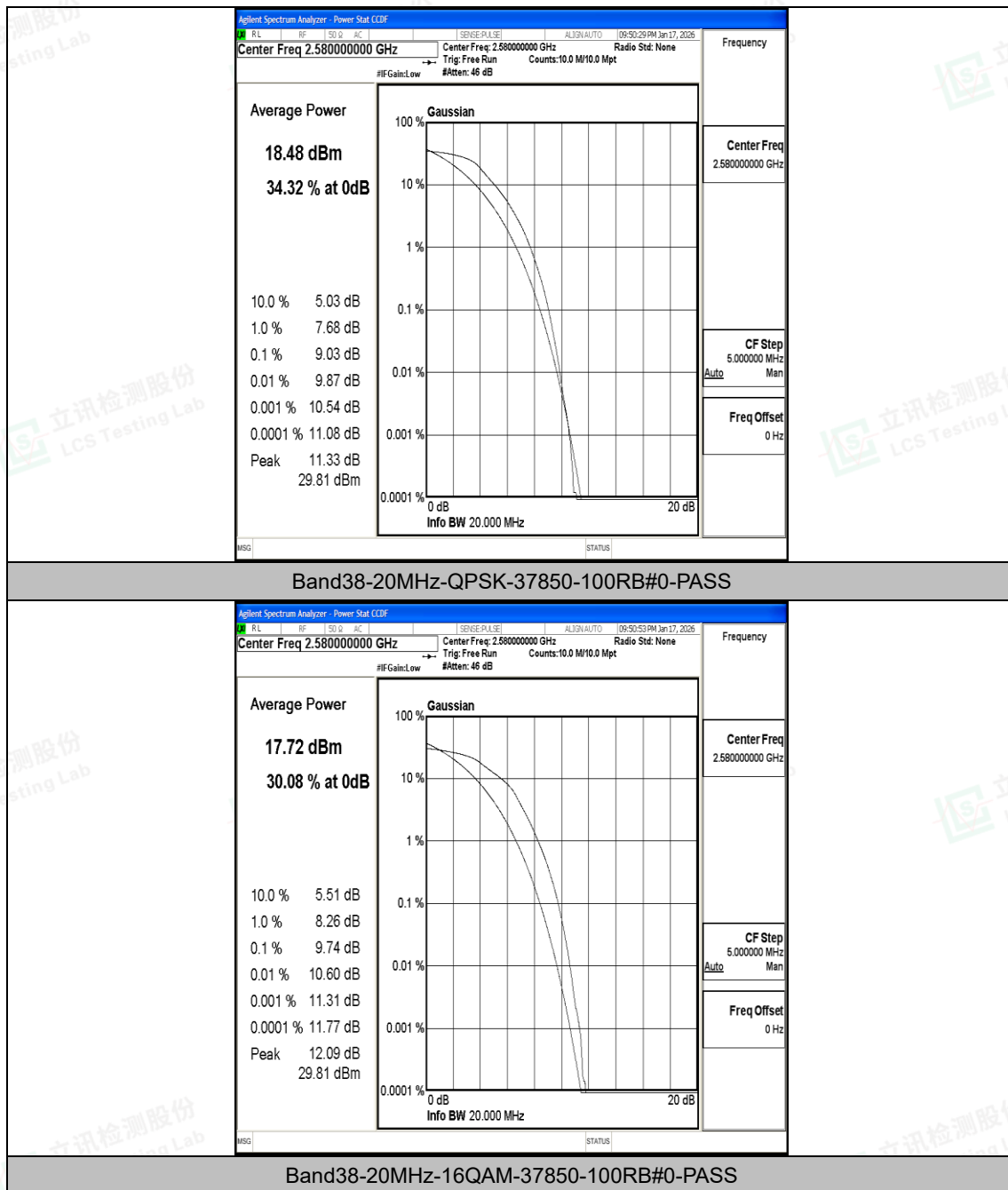


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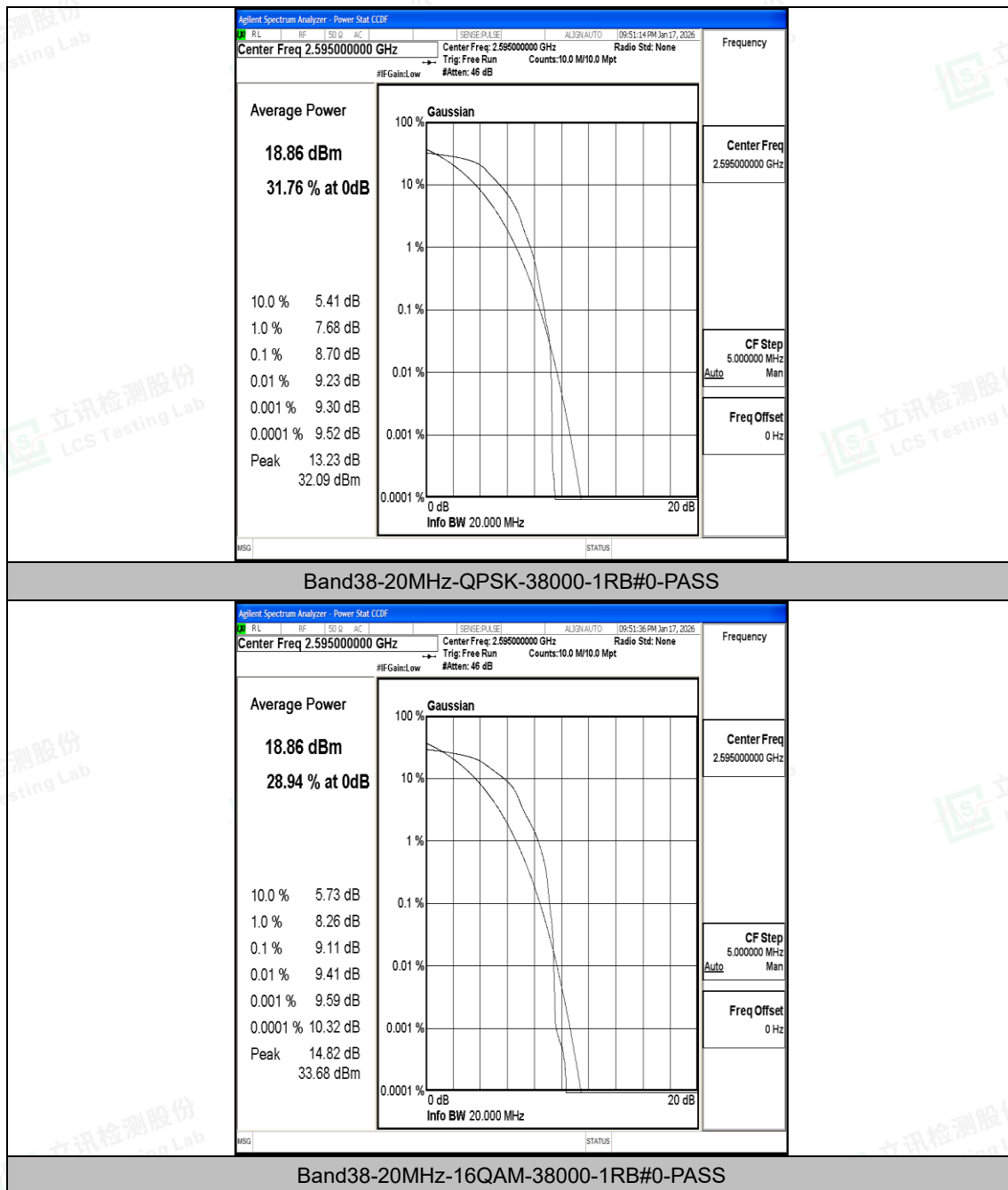


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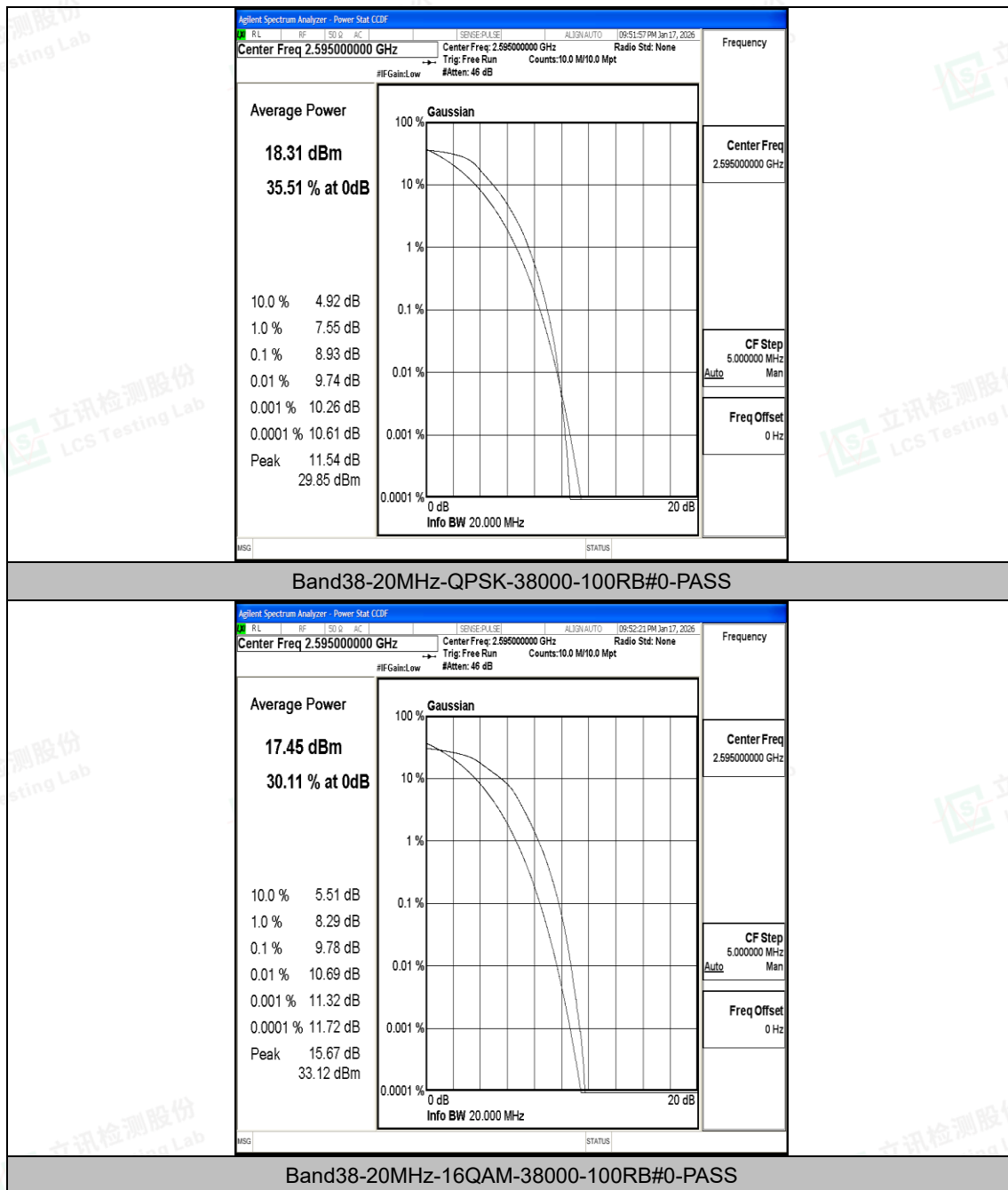


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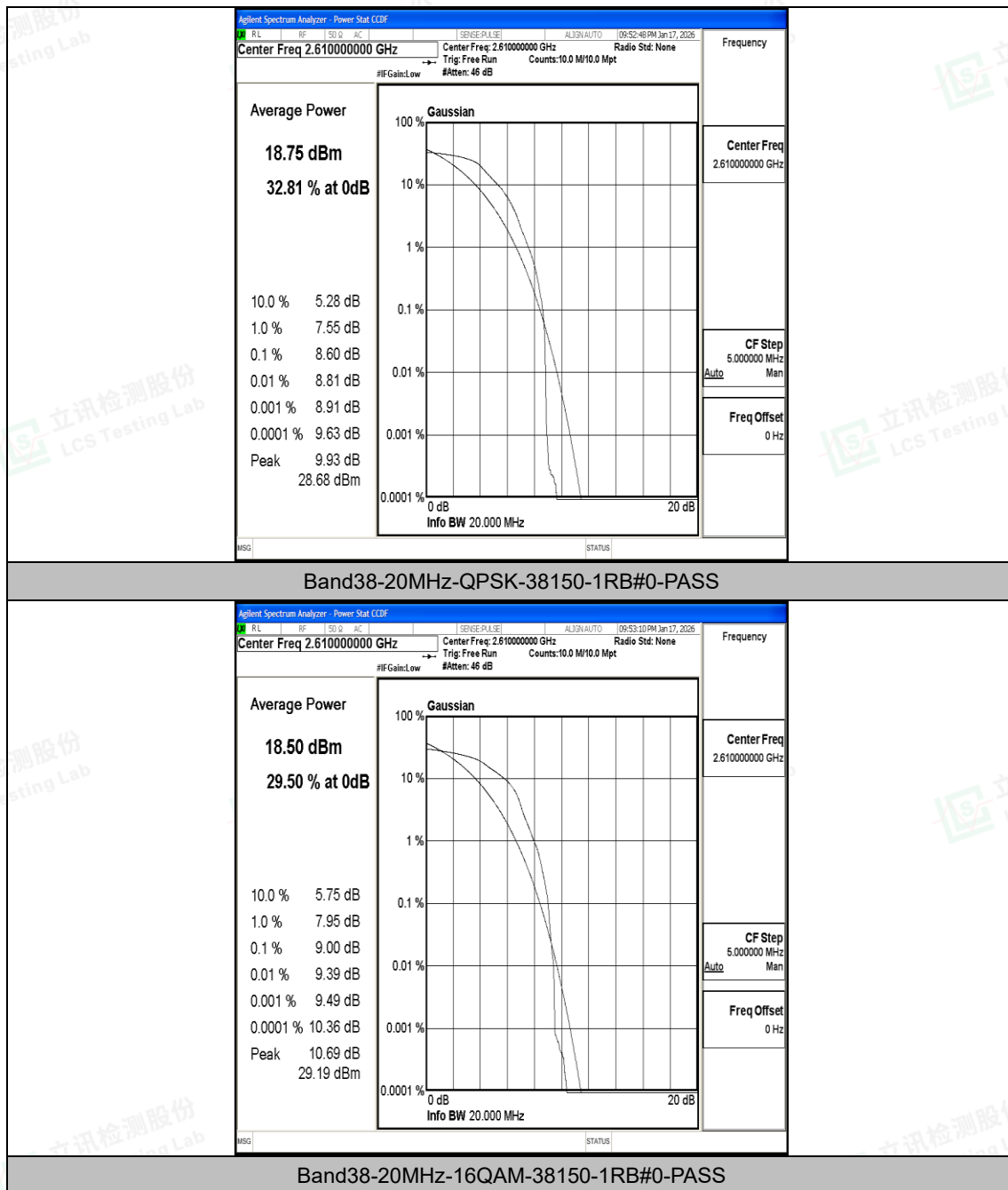


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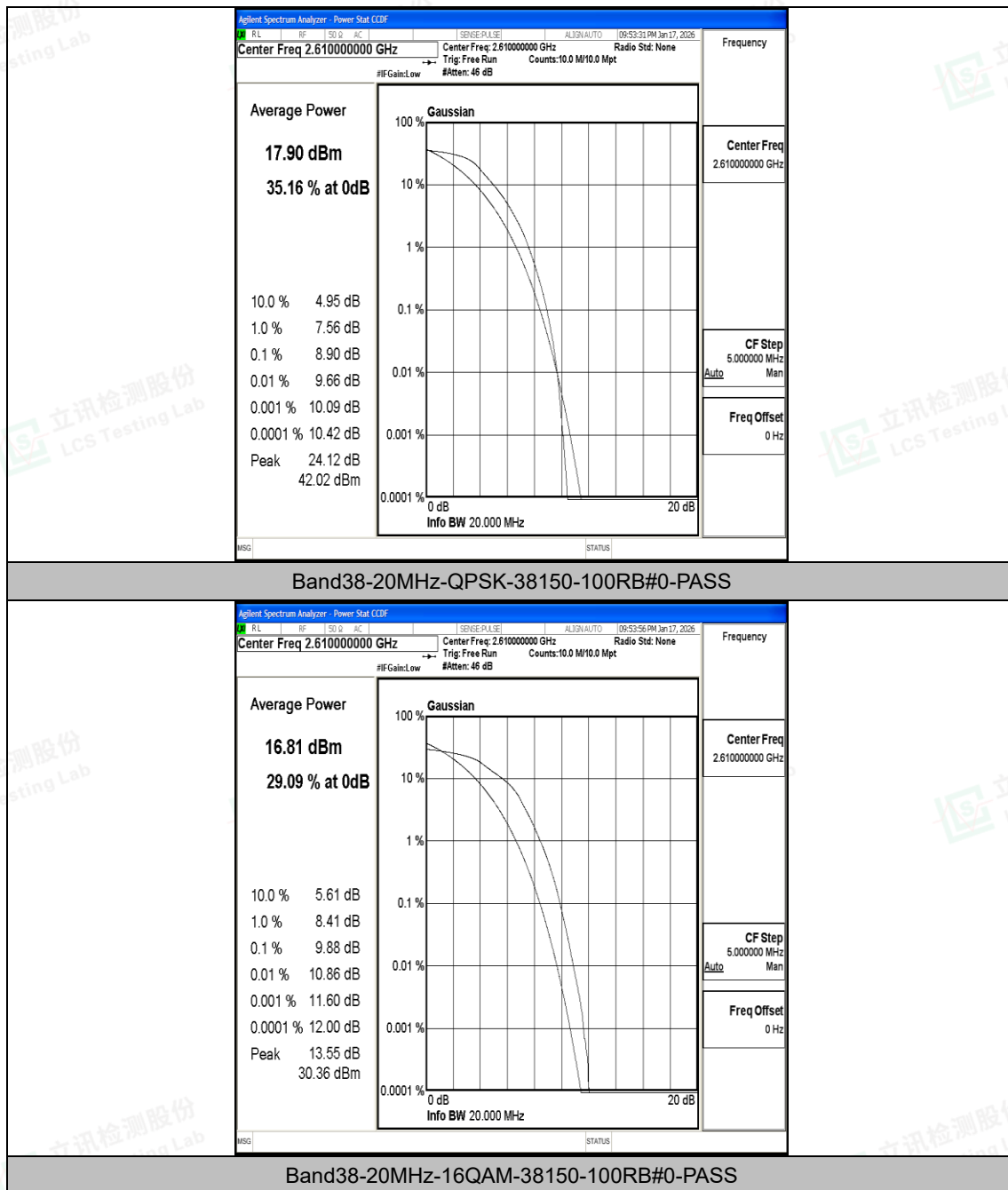


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K.3 26dB Bandwidth and Occupied Bandwidth

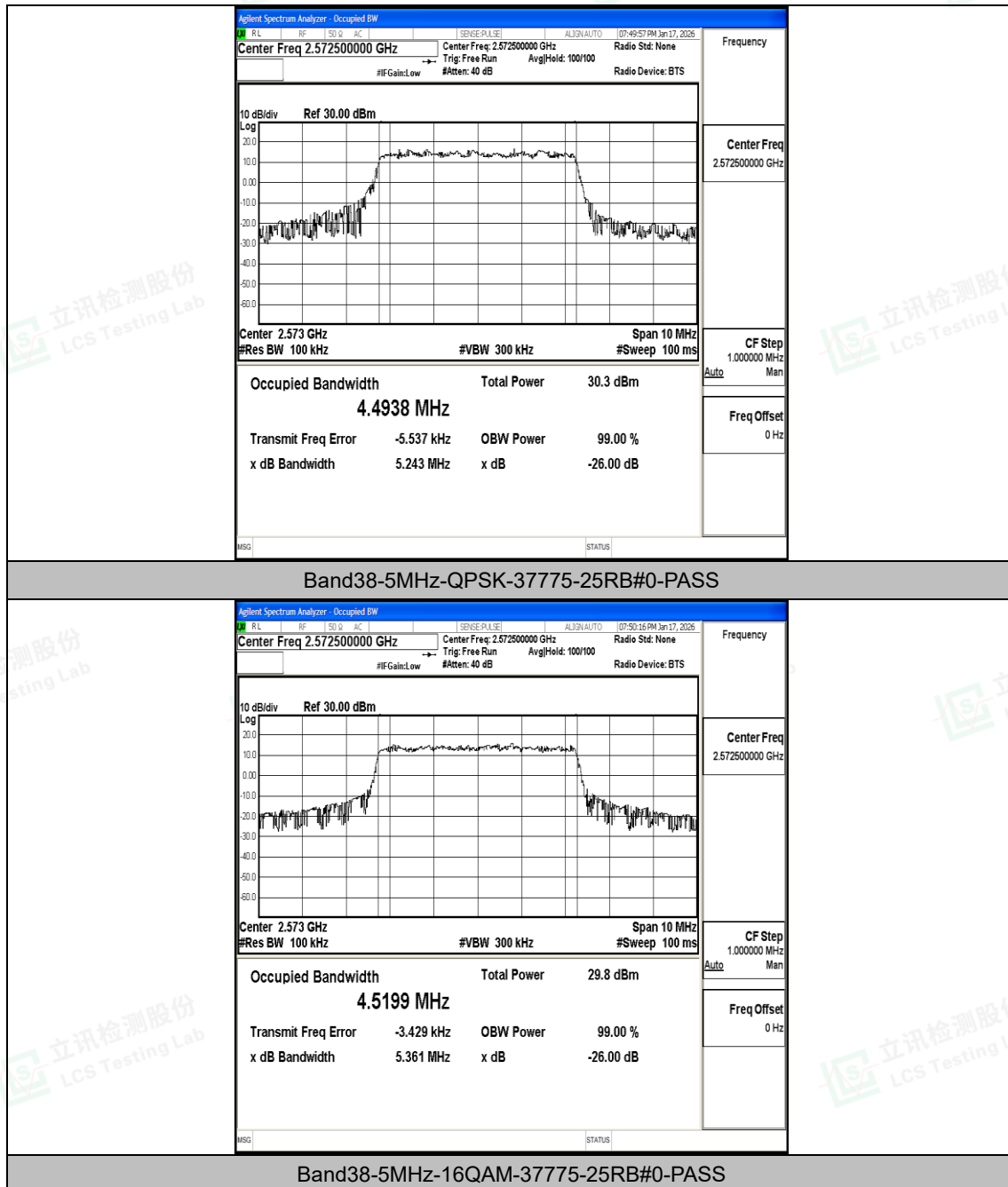
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band38	5MHz	QPSK	37775	25RB#0	4.4938	5.243	PASS
Band38	5MHz	16QAM	37775	25RB#0	4.5199	5.361	PASS
Band38	5MHz	QPSK	38000	25RB#0	4.5120	5.275	PASS
Band38	5MHz	16QAM	38000	25RB#0	4.5086	5.391	PASS
Band38	5MHz	QPSK	38225	25RB#0	4.4951	5.154	PASS
Band38	5MHz	16QAM	38225	25RB#0	4.5013	5.207	PASS
Band38	10MHz	QPSK	37800	50RB#0	9.0091	10.13	PASS
Band38	10MHz	16QAM	37800	50RB#0	8.9973	10.09	PASS
Band38	10MHz	QPSK	38000	50RB#0	8.9924	10.09	PASS
Band38	10MHz	16QAM	38000	50RB#0	8.9961	10.18	PASS
Band38	10MHz	QPSK	38200	50RB#0	9.0043	10.28	PASS
Band38	10MHz	16QAM	38200	50RB#0	8.9984	11.11	PASS
Band38	15MHz	QPSK	37825	75RB#0	13.519	15.23	PASS
Band38	15MHz	16QAM	37825	75RB#0	13.505	15.08	PASS
Band38	15MHz	QPSK	38000	75RB#0	13.569	16.08	PASS
Band38	15MHz	16QAM	38000	75RB#0	13.455	15.14	PASS
Band38	15MHz	QPSK	38175	75RB#0	13.463	15.51	PASS
Band38	15MHz	16QAM	38175	75RB#0	13.578	15.87	PASS
Band38	20MHz	QPSK	37850	100RB#0	17.964	20.85	PASS
Band38	20MHz	16QAM	37850	100RB#0	17.994	20.63	PASS
Band38	20MHz	QPSK	38000	100RB#0	17.956	19.68	PASS
Band38	20MHz	16QAM	38000	100RB#0	18.079	20.52	PASS
Band38	20MHz	QPSK	38150	100RB#0	17.993	20.02	PASS
Band38	20MHz	16QAM	38150	100RB#0	18.050	19.41	PASS





Test Graphs

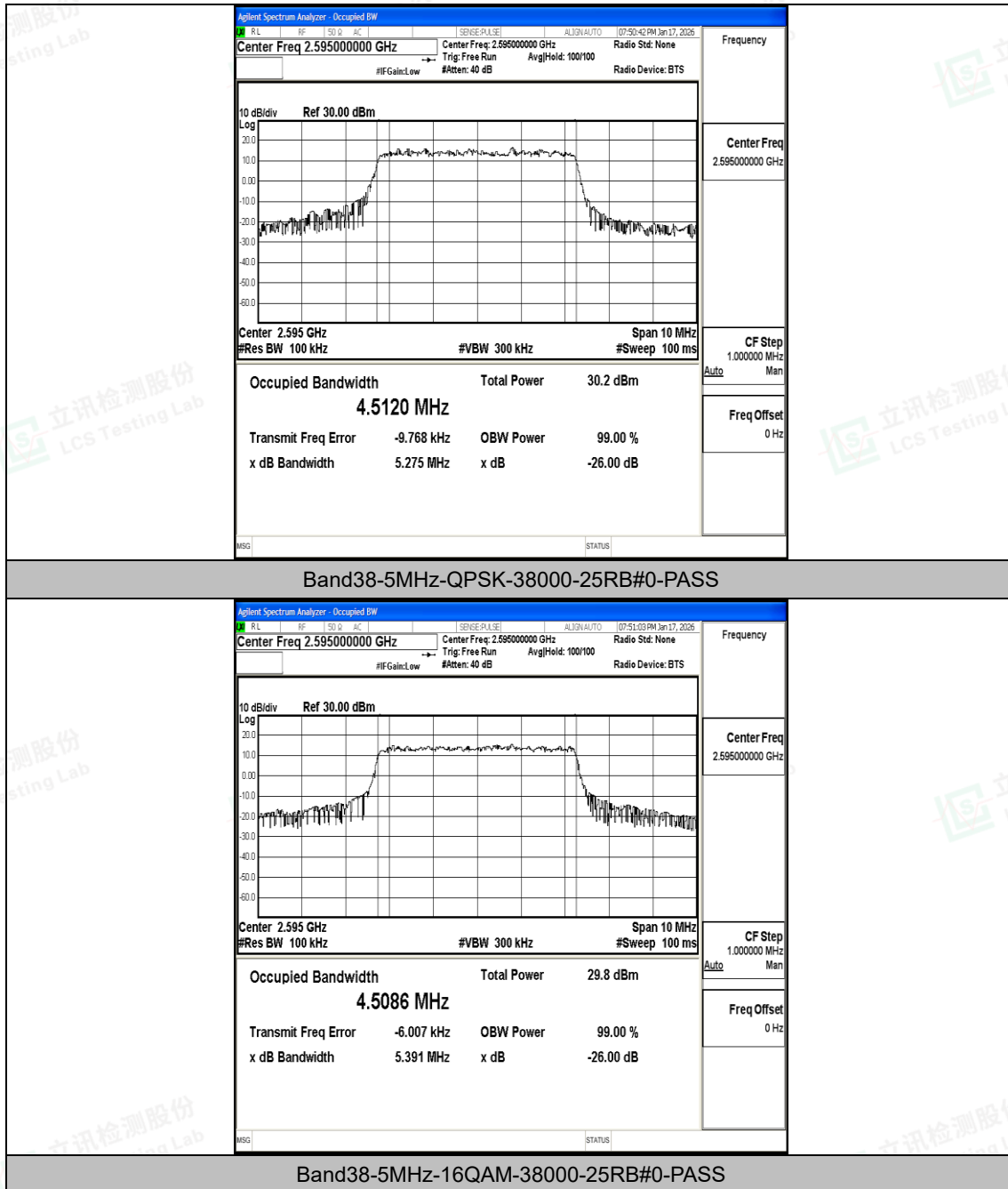


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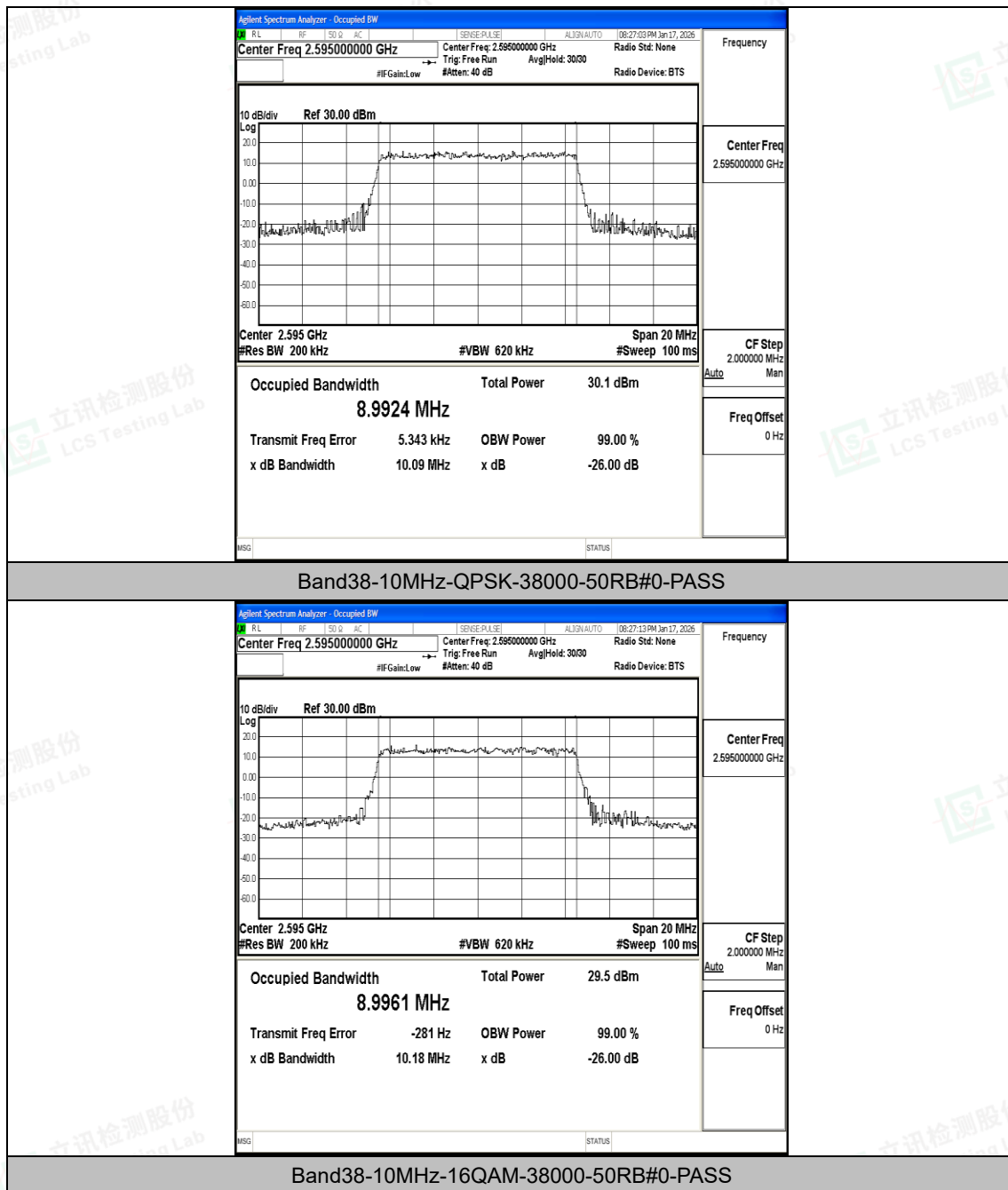


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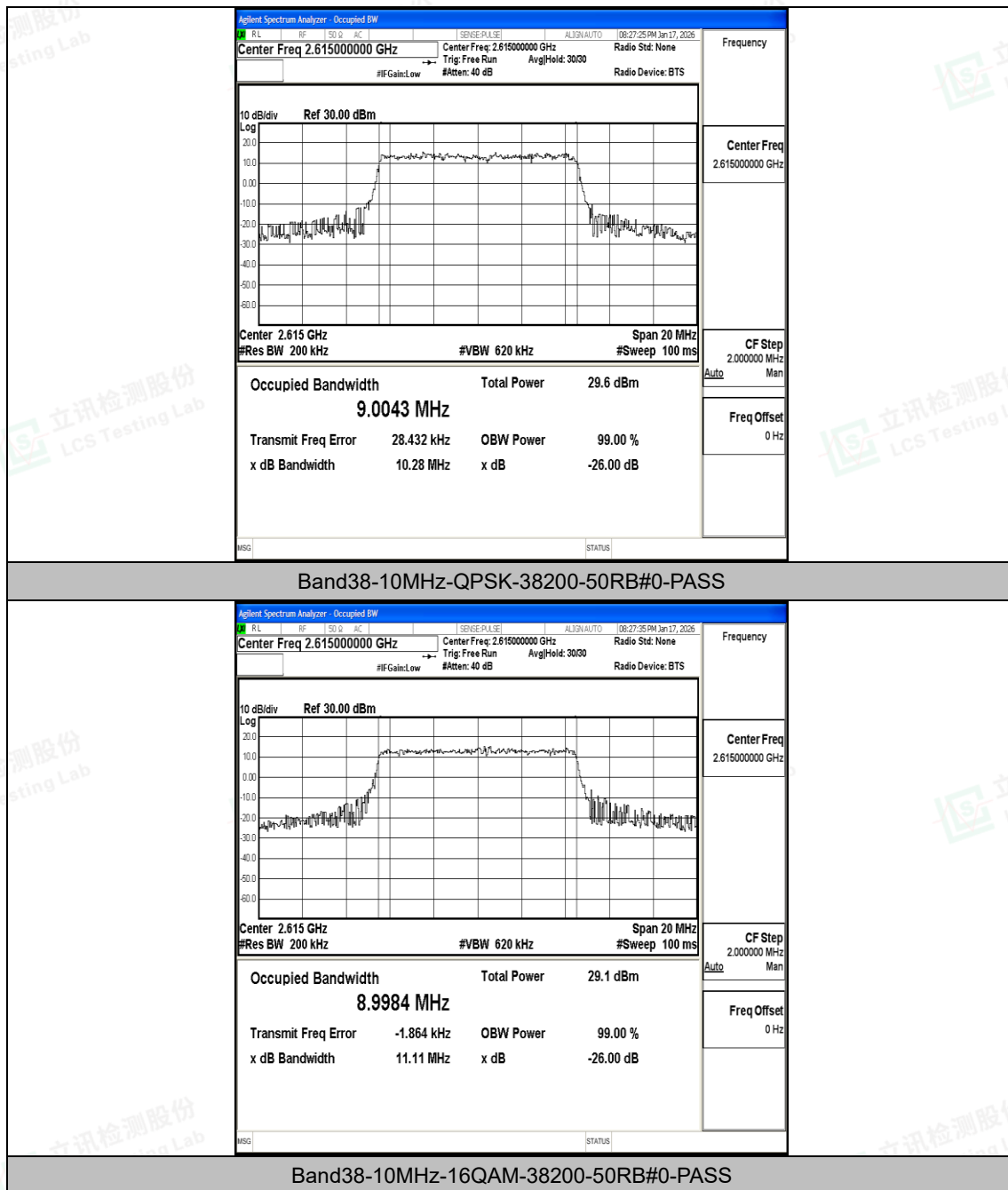


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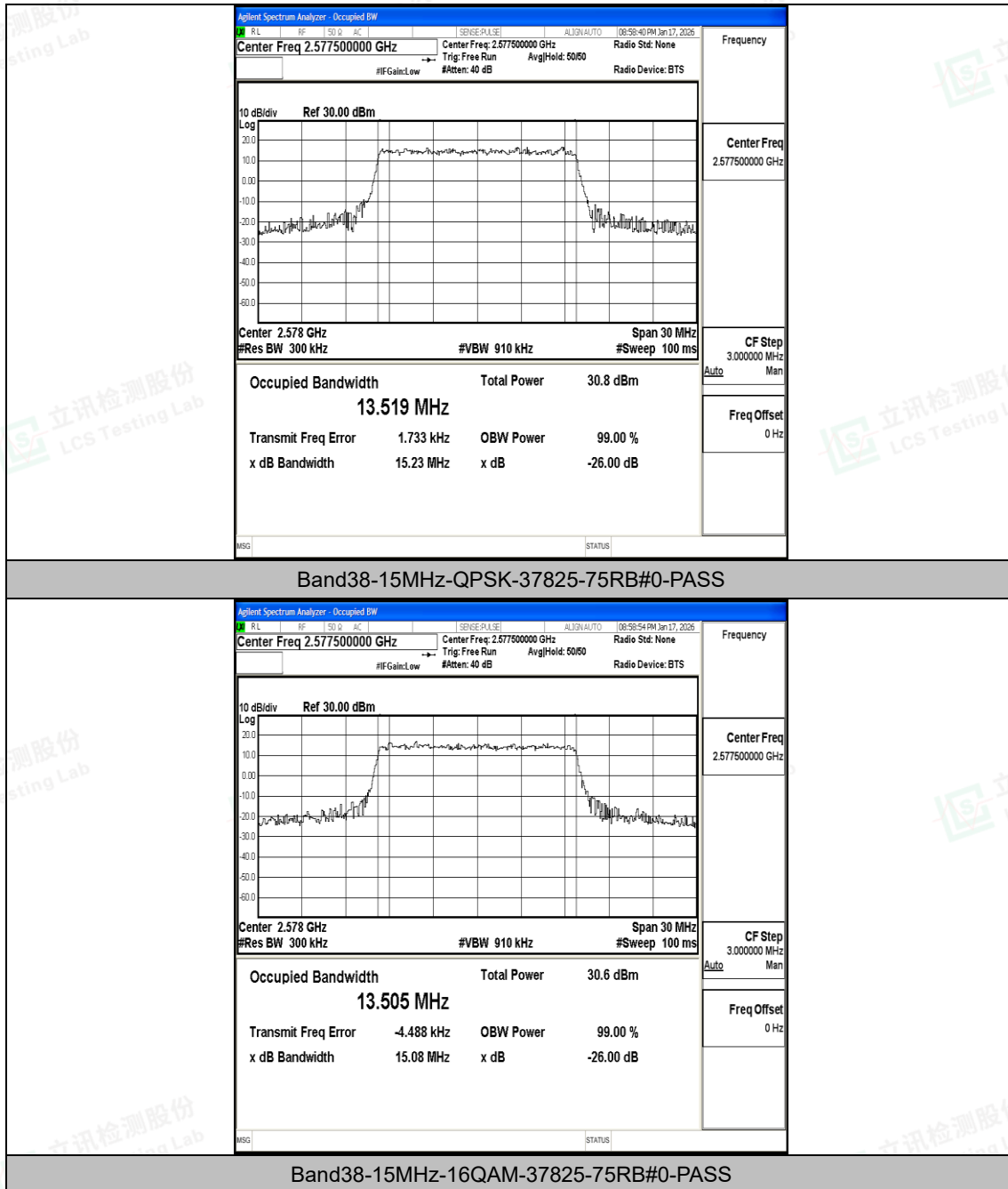


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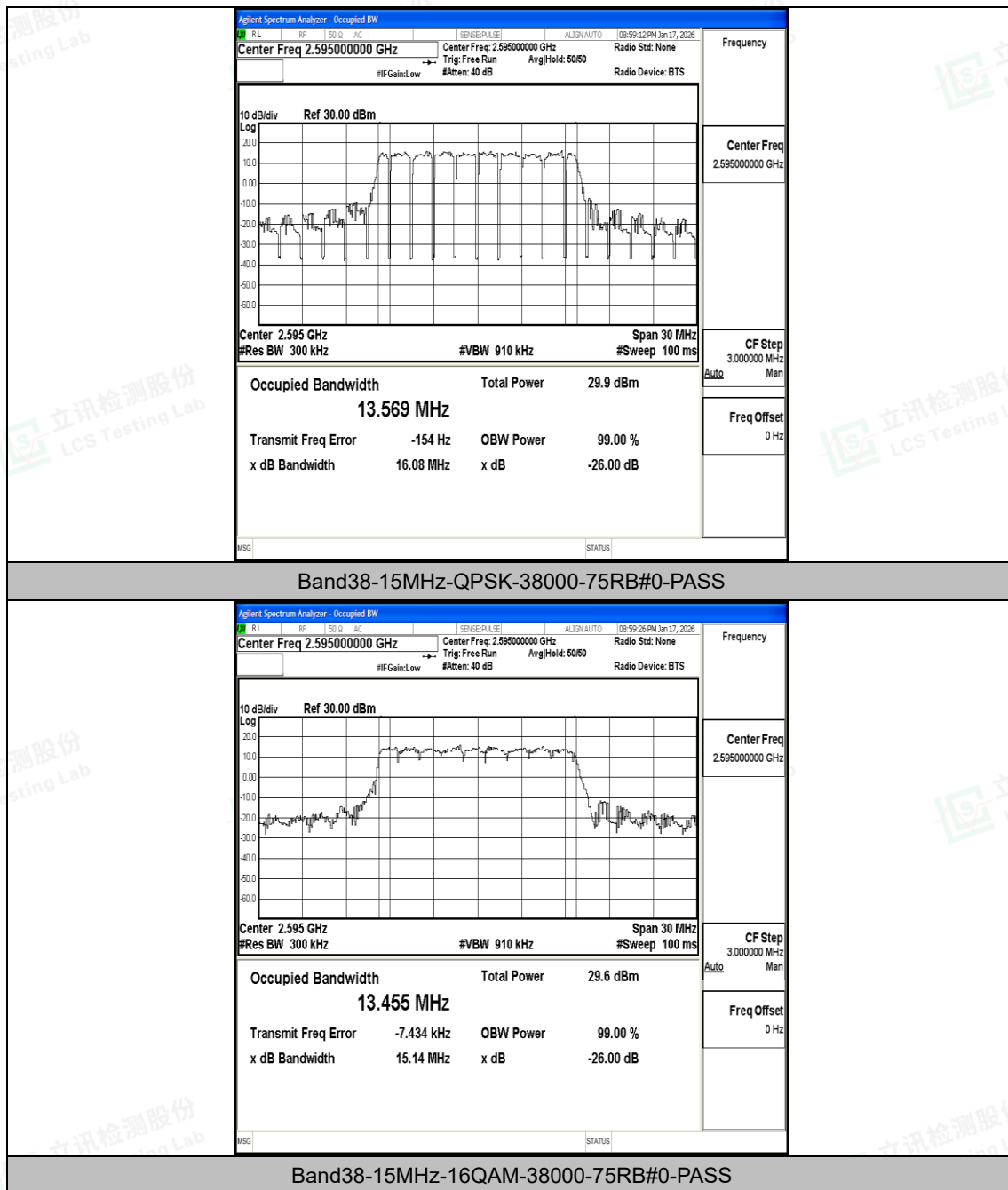


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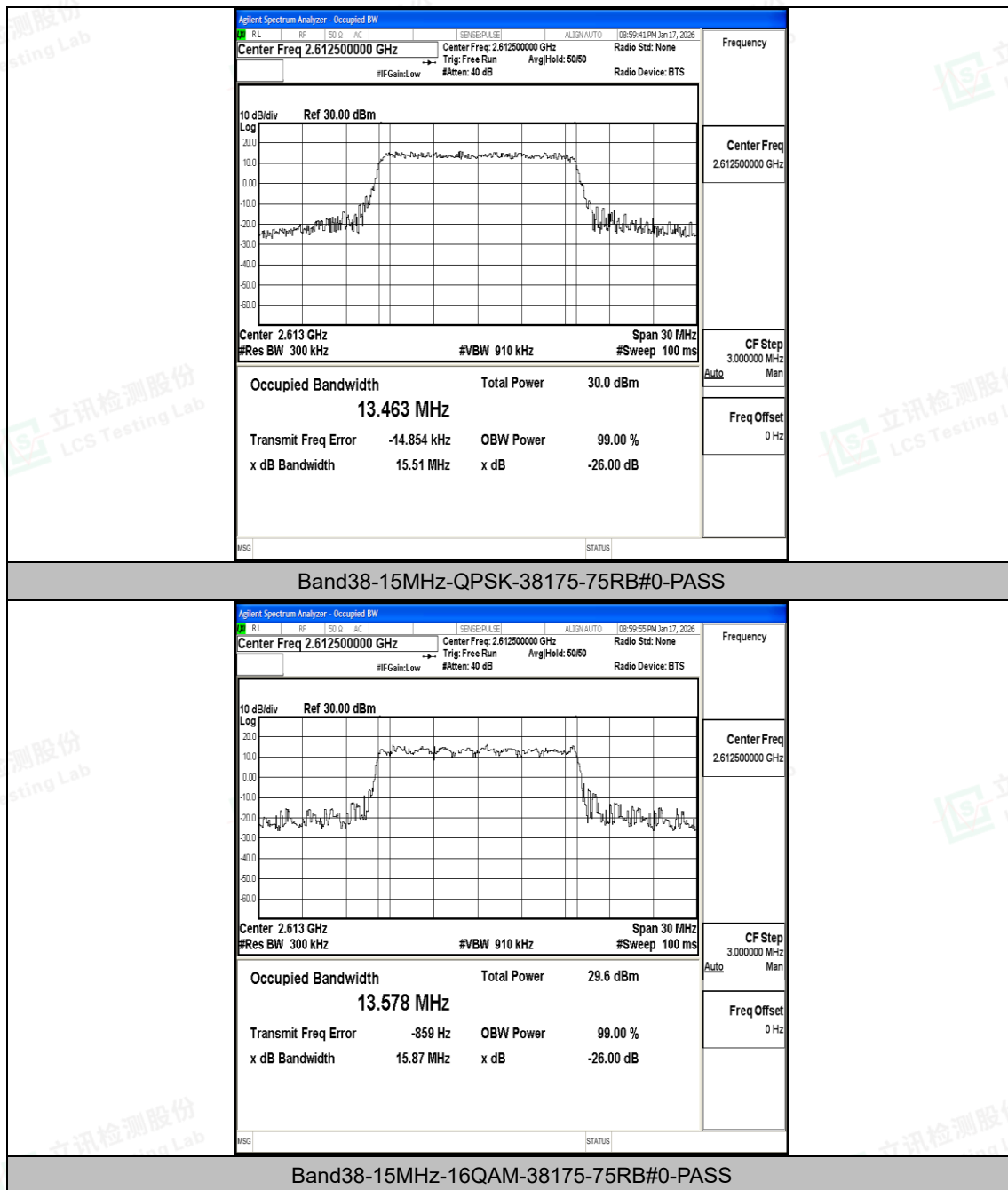


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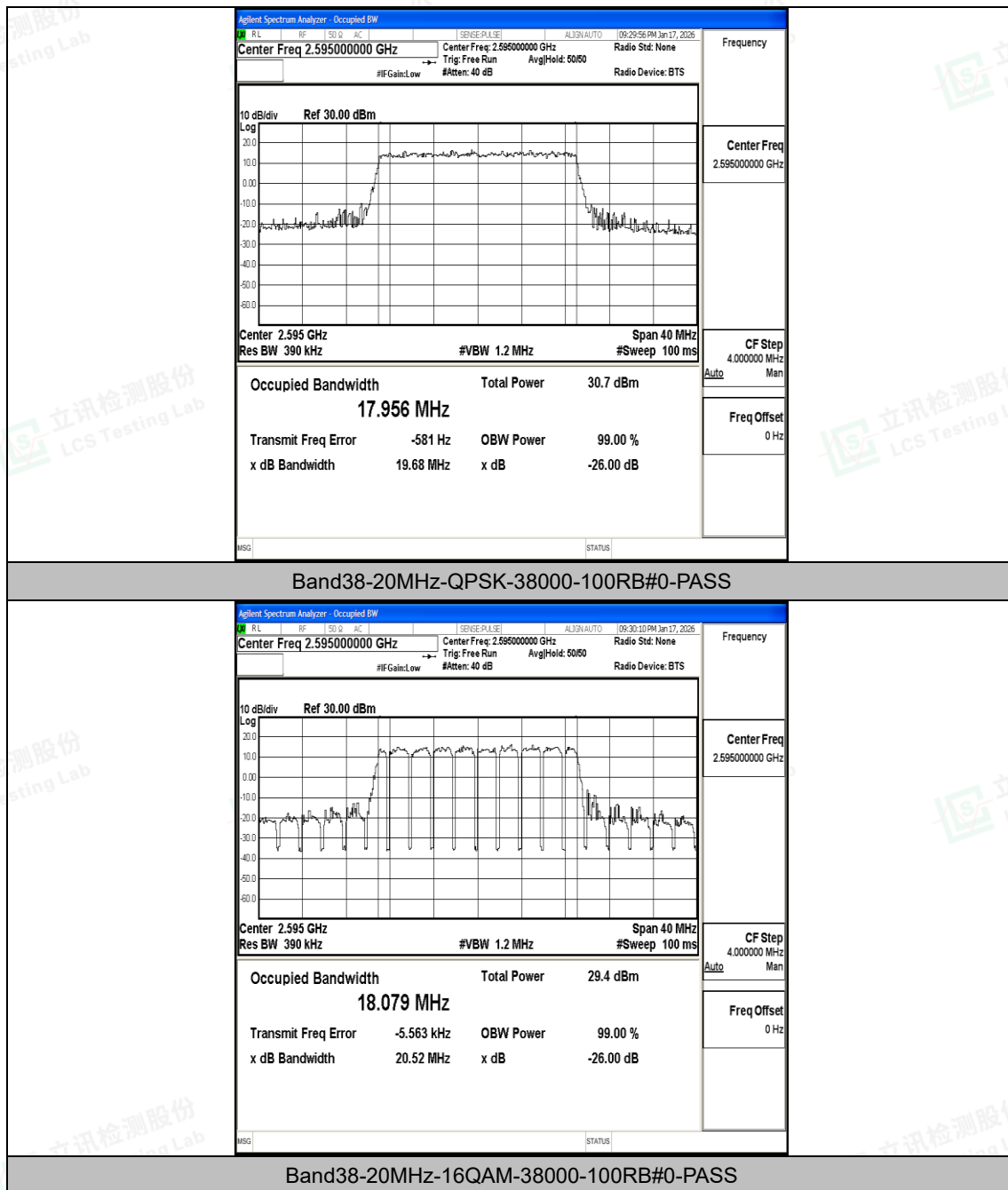


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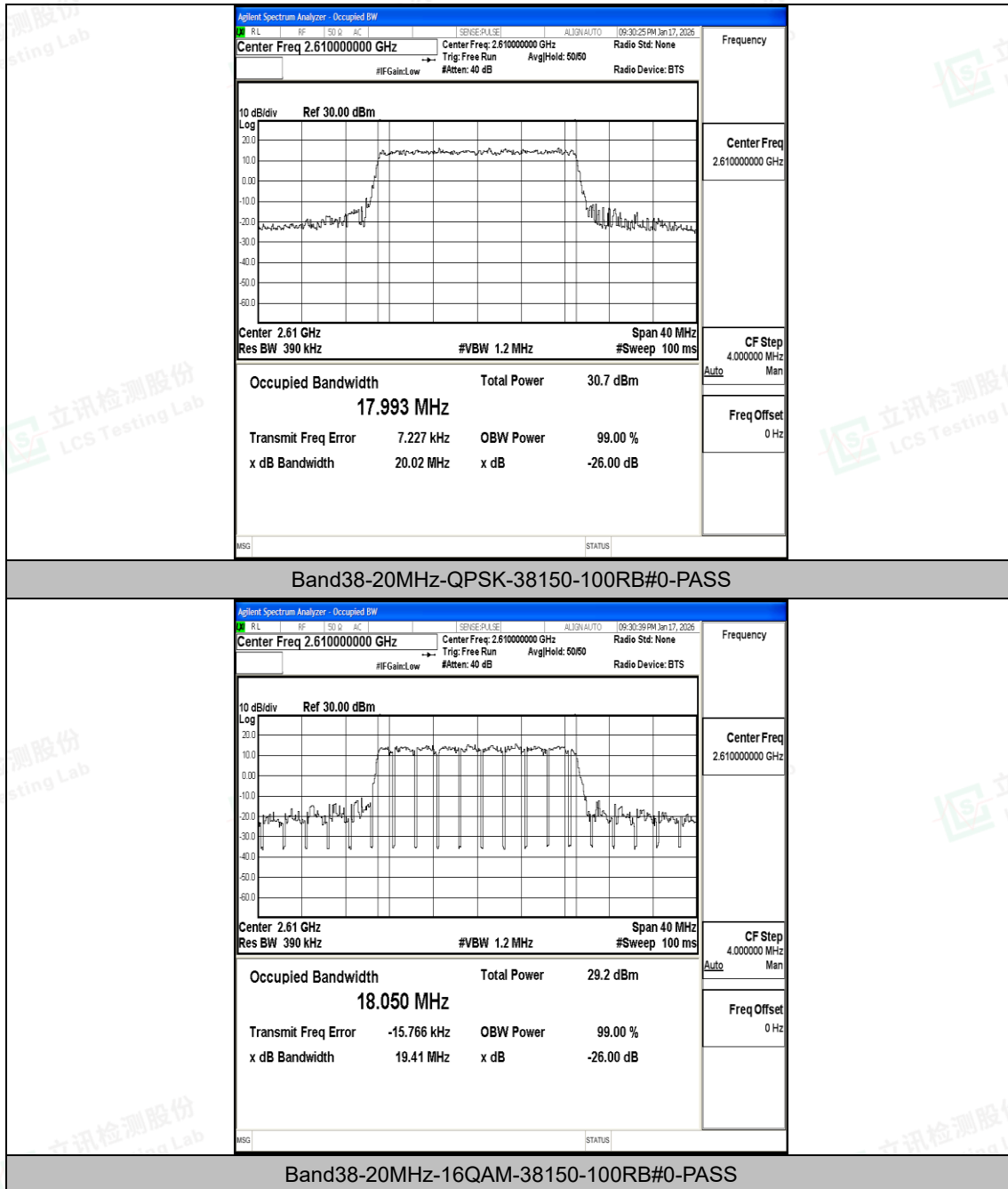


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K.4 Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Peak Frequency	Result(dBm)	Verdict
Band38	5MHz	QPSK	37775	25RB#0	2563.96	-38.46	PASS
Band38	5MHz	16QAM	37775	25RB#0	2563.86	-39.41	PASS
Band38	5MHz	QPSK	38225	25RB#0	2626.12	-39.08	PASS
Band38	5MHz	16QAM	38225	25RB#0	2626.25	-38.50	PASS
Band38	10MHz	QPSK	37800	50RB#0	2559.70	-34.53	PASS
Band38	10MHz	16QAM	37800	50RB#0	2558.58	-34.36	PASS
Band38	10MHz	QPSK	38200	50RB#0	2631.08	-35.15	PASS
Band38	10MHz	16QAM	38200	50RB#0	2630.98	-34.86	PASS
Band38	15MHz	QPSK	37825	75RB#0	2554.38	-33.75	PASS
Band38	15MHz	16QAM	37825	75RB#0	2552.91	-33.13	PASS
Band38	15MHz	QPSK	38175	75RB#0	2635.52	-33.07	PASS
Band38	15MHz	16QAM	38175	75RB#0	2635.31	-33.56	PASS
Band38	20MHz	QPSK	37850	100RB#0	2548.87	-32.55	PASS
Band38	20MHz	16QAM	37850	100RB#0	2548.74	-32.64	PASS
Band38	20MHz	QPSK	38150	100RB#0	2640.59	-33.01	PASS
Band38	20MHz	16QAM	38150	100RB#0	2642.30	-32.30	PASS



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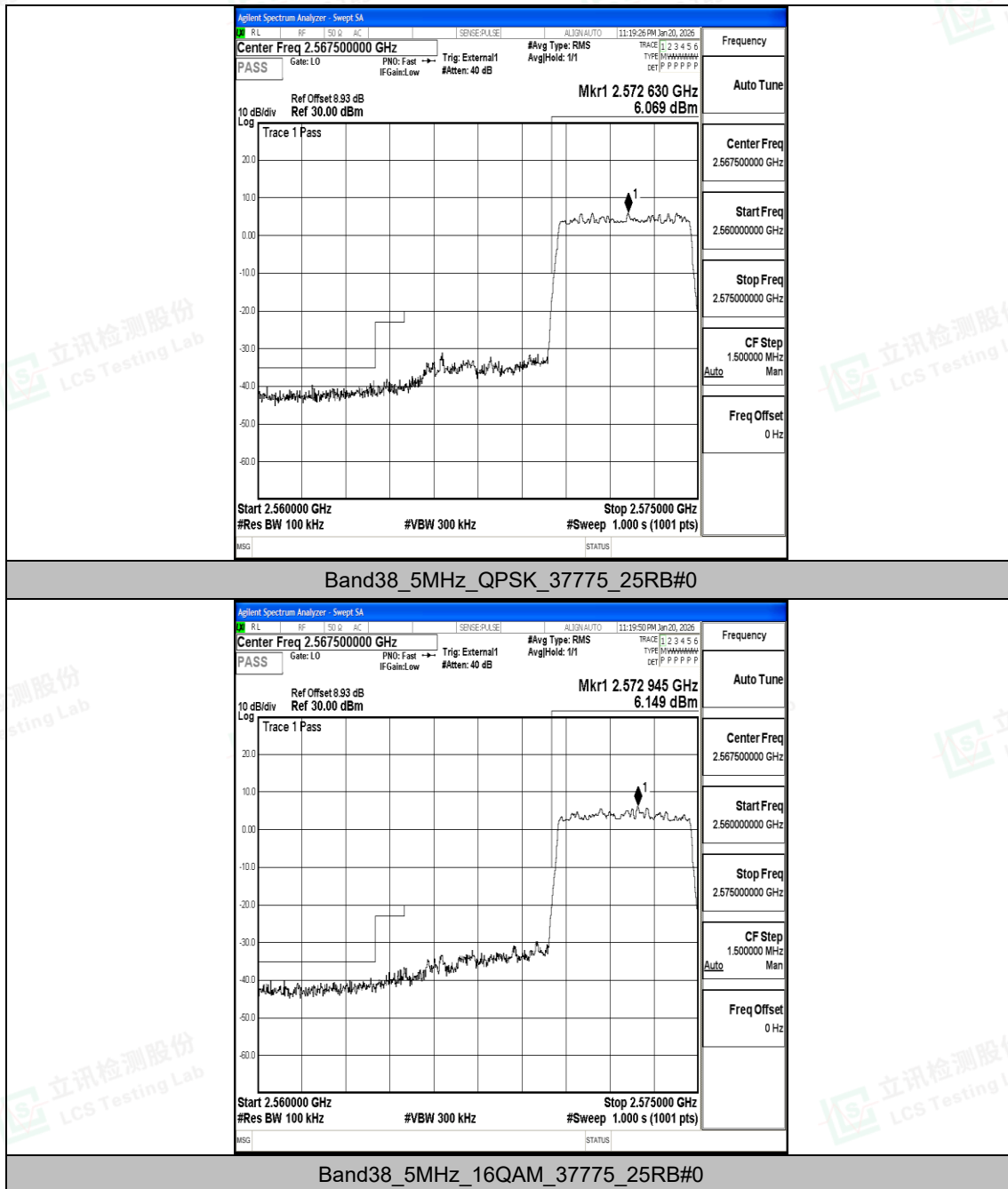
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Test Graphs

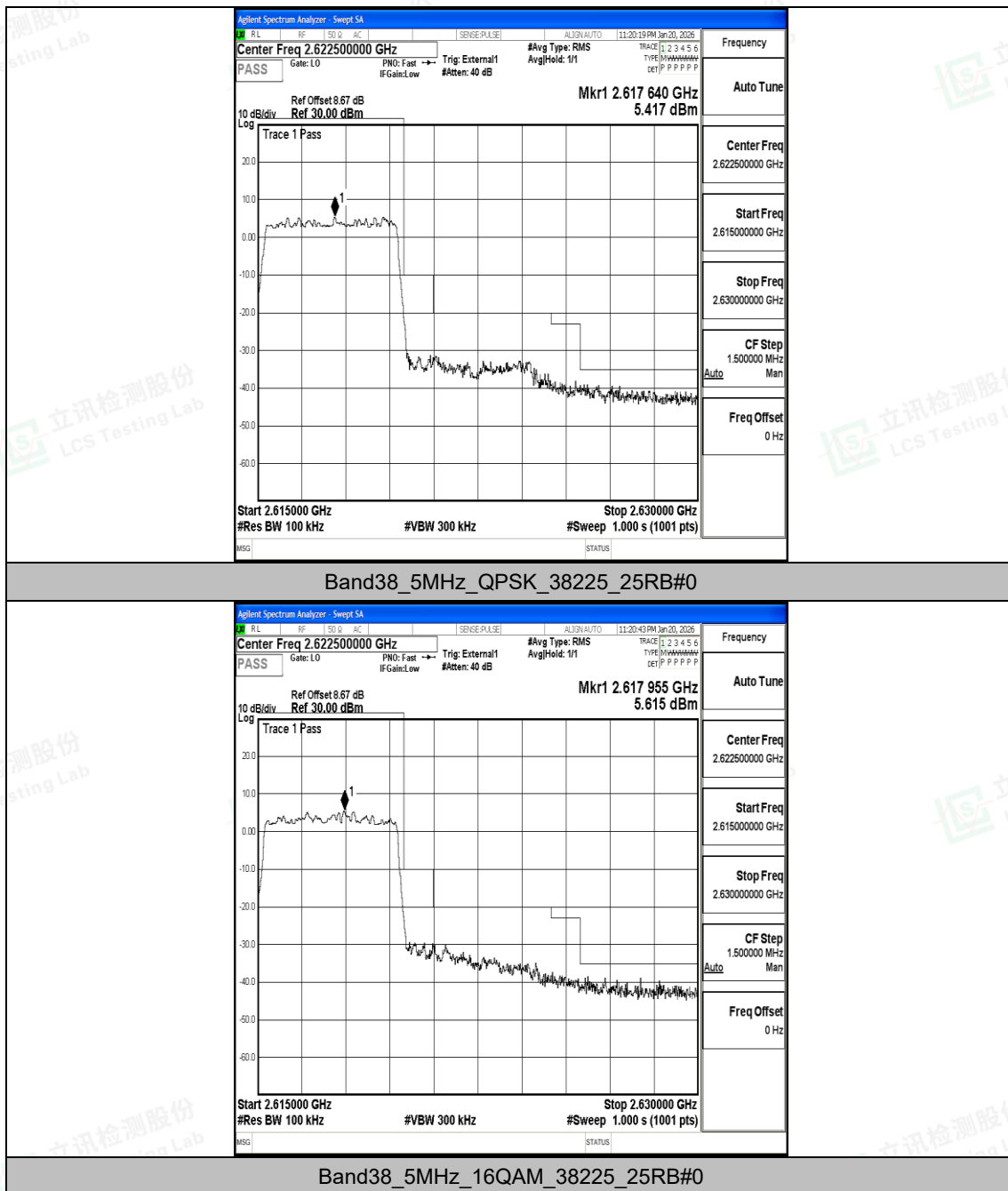


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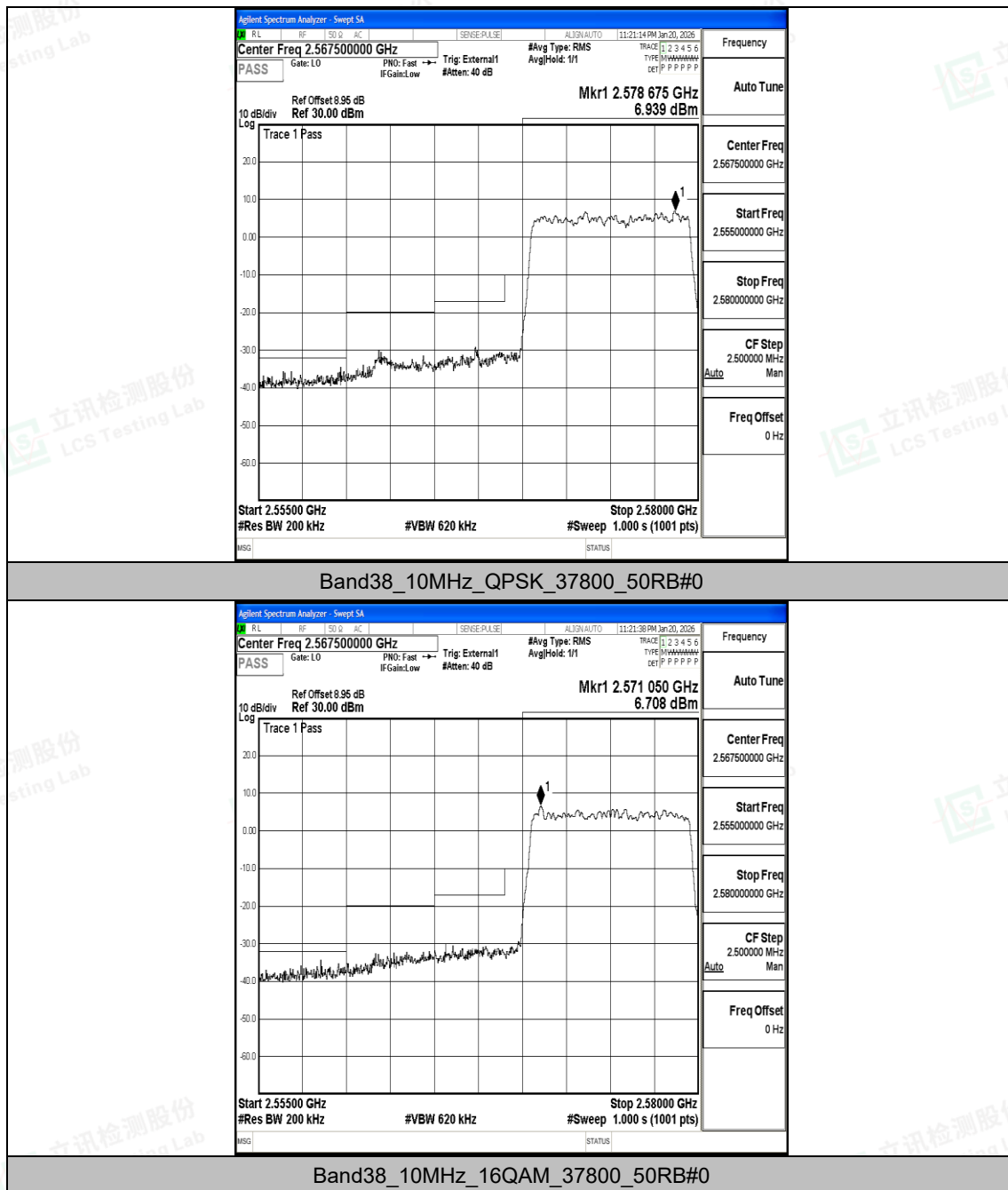


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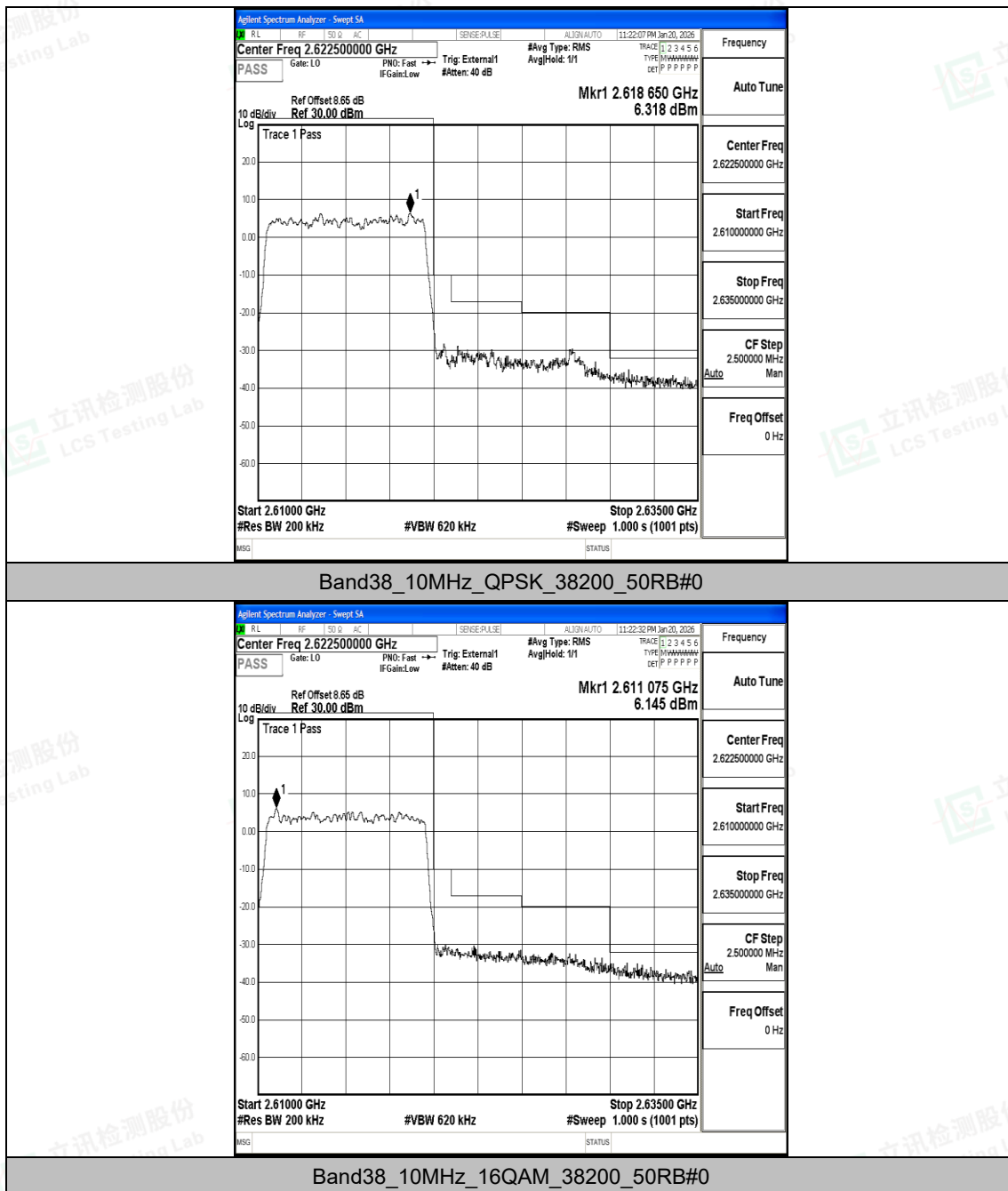


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