



Appendix J: Test Data for E-UTRA Band 38

Product Name: Smart POS

Test Model: WIZARPOS Q3

Environmental Conditions

Temperature:	25.2°C
Relative Humidity:	54.6%
ATM Pressure:	100.0 kPa
Test Engineer:	Jerry Chu
Supervised by:	Can Kun





J.1 Conducted Output Power Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band38	5MHz	QPSK	37775	1RB#0	22.38	PASS
Band38	5MHz	16QAM	37775	1RB#0	22.35	PASS
Band38	5MHz	QPSK	37775	1RB#12	22.34	PASS
Band38	5MHz	16QAM	37775	1RB#12	22.37	PASS
Band38	5MHz	QPSK	37775	1RB#24	22.46	PASS
Band38	5MHz	16QAM	37775	1RB#24	22.53	PASS
Band38	5MHz	QPSK	37775	12RB#0	22.53	PASS
Band38	5MHz	16QAM	37775	12RB#0	22.52	PASS
Band38	5MHz	QPSK	37775	12RB#6	22.52	PASS
Band38	5MHz	16QAM	37775	12RB#6	22.52	PASS
Band38	5MHz	QPSK	37775	12RB#13	22.52	PASS
Band38	5MHz	16QAM	37775	12RB#13	22.52	PASS
Band38	5MHz	QPSK	37775	25RB#0	22.52	PASS
Band38	5MHz	16QAM	37775	25RB#0	22.52	PASS
Band38	5MHz	QPSK	38000	1RB#0	23.14	PASS
Band38	5MHz	16QAM	38000	1RB#0	23.03	PASS
Band38	5MHz	QPSK	38000	1RB#12	23.07	PASS
Band38	5MHz	16QAM	38000	1RB#12	22.97	PASS
Band38	5MHz	QPSK	38000	1RB#24	23.11	PASS
Band38	5MHz	16QAM	38000	1RB#24	22.89	PASS
Band38	5MHz	QPSK	38000	12RB#0	22.30	PASS
Band38	5MHz	16QAM	38000	12RB#0	21.46	PASS
Band38	5MHz	QPSK	38000	12RB#6	22.27	PASS
Band38	5MHz	16QAM	38000	12RB#6	21.77	PASS
Band38	5MHz	QPSK	38000	12RB#13	22.39	PASS
Band38	5MHz	16QAM	38000	12RB#13	21.76	PASS
Band38	5MHz	QPSK	38000	25RB#0	22.28	PASS
Band38	5MHz	16QAM	38000	25RB#0	21.54	PASS
Band38	5MHz	QPSK	38225	1RB#0	24.03	PASS
Band38	5MHz	16QAM	38225	1RB#0	23.55	PASS
Band38	5MHz	QPSK	38225	1RB#12	23.90	PASS
Band38	5MHz	16QAM	38225	1RB#12	24.50	PASS
Band38	5MHz	QPSK	38225	1RB#24	23.86	PASS
Band38	5MHz	16QAM	38225	1RB#24	23.82	PASS
Band38	5MHz	QPSK	38225	12RB#0	23.11	PASS
Band38	5MHz	16QAM	38225	12RB#0	22.30	PASS





Band38	5MHz	QPSK	38225	12RB#6	22.98	PASS
Band38	5MHz	16QAM	38225	12RB#6	22.30	PASS
Band38	5MHz	QPSK	38225	12RB#13	22.95	PASS
Band38	5MHz	16QAM	38225	12RB#13	22.24	PASS
Band38	5MHz	QPSK	38225	25RB#0	22.99	PASS
Band38	5MHz	16QAM	38225	25RB#0	22.35	PASS
Band38	10MHz	QPSK	37800	1RB#0	24.83	PASS
Band38	10MHz	16QAM	37800	1RB#0	24.59	PASS
Band38	10MHz	QPSK	37800	1RB#24	24.66	PASS
Band38	10MHz	16QAM	37800	1RB#24	24.57	PASS
Band38	10MHz	QPSK	37800	1RB#49	24.73	PASS
Band38	10MHz	16QAM	37800	1RB#49	24.42	PASS
Band38	10MHz	QPSK	37800	25RB#0	23.45	PASS
Band38	10MHz	16QAM	37800	25RB#0	22.88	PASS
Band38	10MHz	QPSK	37800	25RB#12	23.31	PASS
Band38	10MHz	16QAM	37800	25RB#12	22.84	PASS
Band38	10MHz	QPSK	37800	25RB#25	23.28	PASS
Band38	10MHz	16QAM	37800	25RB#25	22.78	PASS
Band38	10MHz	QPSK	37800	50RB#0	23.38	PASS
Band38	10MHz	16QAM	37800	50RB#0	22.70	PASS
Band38	10MHz	QPSK	38000	1RB#0	24.27	PASS
Band38	10MHz	16QAM	38000	1RB#0	23.99	PASS
Band38	10MHz	QPSK	38000	1RB#24	24.14	PASS
Band38	10MHz	16QAM	38000	1RB#24	24.01	PASS
Band38	10MHz	QPSK	38000	1RB#49	24.16	PASS
Band38	10MHz	16QAM	38000	1RB#49	23.81	PASS
Band38	10MHz	QPSK	38000	25RB#0	23.38	PASS
Band38	10MHz	16QAM	38000	25RB#0	22.96	PASS
Band38	10MHz	QPSK	38000	25RB#12	23.39	PASS
Band38	10MHz	16QAM	38000	25RB#12	22.62	PASS
Band38	10MHz	QPSK	38000	25RB#25	23.14	PASS
Band38	10MHz	16QAM	38000	25RB#25	22.63	PASS
Band38	10MHz	QPSK	38000	50RB#0	23.23	PASS
Band38	10MHz	16QAM	38000	50RB#0	22.58	PASS
Band38	10MHz	QPSK	38200	1RB#0	24.28	PASS
Band38	10MHz	16QAM	38200	1RB#0	24.08	PASS
Band38	10MHz	QPSK	38200	1RB#24	24.13	PASS
Band38	10MHz	16QAM	38200	1RB#24	24.05	PASS
Band38	10MHz	QPSK	38200	1RB#49	24.19	PASS
Band38	10MHz	16QAM	38200	1RB#49	23.98	PASS
Band38	10MHz	QPSK	38200	25RB#0	23.07	PASS
Band38	10MHz	16QAM	38200	25RB#0	22.40	PASS



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Band38	10MHz	QPSK	38200	25RB#12	23.03	PASS
Band38	10MHz	16QAM	38200	25RB#12	22.40	PASS
Band38	10MHz	QPSK	38200	25RB#25	23.09	PASS
Band38	10MHz	16QAM	38200	25RB#25	22.31	PASS
Band38	10MHz	QPSK	38200	50RB#0	22.90	PASS
Band38	10MHz	16QAM	38200	50RB#0	22.24	PASS
Band38	15MHz	QPSK	37825	1RB#0	24.68	PASS
Band38	15MHz	16QAM	37825	1RB#0	24.66	PASS
Band38	15MHz	QPSK	37825	1RB#38	24.73	PASS
Band38	15MHz	16QAM	37825	1RB#38	24.50	PASS
Band38	15MHz	QPSK	37825	1RB#74	24.66	PASS
Band38	15MHz	16QAM	37825	1RB#74	24.40	PASS
Band38	15MHz	QPSK	37825	38RB#0	23.54	PASS
Band38	15MHz	16QAM	37825	38RB#0	23.30	PASS
Band38	15MHz	QPSK	37825	38RB#18	23.30	PASS
Band38	15MHz	16QAM	37825	38RB#18	23.30	PASS
Band38	15MHz	QPSK	37825	38RB#37	23.31	PASS
Band38	15MHz	16QAM	37825	38RB#37	23.30	PASS
Band38	15MHz	QPSK	37825	75RB#0	23.30	PASS
Band38	15MHz	16QAM	37825	75RB#0	22.87	PASS
Band38	15MHz	QPSK	38000	1RB#0	25.00	PASS
Band38	15MHz	16QAM	38000	1RB#0	23.30	PASS
Band38	15MHz	QPSK	38000	1RB#38	24.80	PASS
Band38	15MHz	16QAM	38000	1RB#38	22.67	PASS
Band38	15MHz	QPSK	38000	1RB#74	24.76	PASS
Band38	15MHz	16QAM	38000	1RB#74	23.21	PASS
Band38	15MHz	QPSK	38000	38RB#0	23.35	PASS
Band38	15MHz	16QAM	38000	38RB#0	23.35	PASS
Band38	15MHz	QPSK	38000	38RB#18	23.35	PASS
Band38	15MHz	16QAM	38000	38RB#18	23.35	PASS
Band38	15MHz	QPSK	38000	38RB#37	23.35	PASS
Band38	15MHz	16QAM	38000	38RB#37	23.35	PASS
Band38	15MHz	QPSK	38000	75RB#0	23.35	PASS
Band38	15MHz	16QAM	38000	75RB#0	22.70	PASS
Band38	15MHz	QPSK	38175	1RB#0	24.32	PASS
Band38	15MHz	16QAM	38175	1RB#0	24.21	PASS
Band38	15MHz	QPSK	38175	1RB#38	24.18	PASS
Band38	15MHz	16QAM	38175	1RB#38	24.13	PASS
Band38	15MHz	QPSK	38175	1RB#74	24.14	PASS
Band38	15MHz	16QAM	38175	1RB#74	23.30	PASS
Band38	15MHz	QPSK	38175	38RB#0	22.93	PASS
Band38	15MHz	16QAM	38175	38RB#0	22.93	PASS





Band38	15MHz	QPSK	38175	38RB#18	22.93	PASS
Band38	15MHz	16QAM	38175	38RB#18	22.93	PASS
Band38	15MHz	QPSK	38175	38RB#37	22.93	PASS
Band38	15MHz	16QAM	38175	38RB#37	22.93	PASS
Band38	15MHz	QPSK	38175	75RB#0	22.93	PASS
Band38	15MHz	16QAM	38175	75RB#0	22.29	PASS
Band38	20MHz	QPSK	37850	1RB#0	24.26	PASS
Band38	20MHz	16QAM	37850	1RB#0	23.77	PASS
Band38	20MHz	QPSK	37850	1RB#49	24.23	PASS
Band38	20MHz	16QAM	37850	1RB#49	23.63	PASS
Band38	20MHz	QPSK	37850	1RB#99	24.18	PASS
Band38	20MHz	16QAM	37850	1RB#99	23.61	PASS
Band38	20MHz	QPSK	37850	50RB#0	23.55	PASS
Band38	20MHz	16QAM	37850	50RB#0	23.07	PASS
Band38	20MHz	QPSK	37850	50RB#25	23.40	PASS
Band38	20MHz	16QAM	37850	50RB#25	22.79	PASS
Band38	20MHz	QPSK	37850	50RB#50	23.20	PASS
Band38	20MHz	16QAM	37850	50RB#50	22.71	PASS
Band38	20MHz	QPSK	37850	100RB#0	23.30	PASS
Band38	20MHz	16QAM	37850	100RB#0	22.78	PASS
Band38	20MHz	QPSK	38000	1RB#0	24.20	PASS
Band38	20MHz	16QAM	38000	1RB#0	23.73	PASS
Band38	20MHz	QPSK	38000	1RB#49	24.43	PASS
Band38	20MHz	16QAM	38000	1RB#49	23.64	PASS
Band38	20MHz	QPSK	38000	1RB#99	24.11	PASS
Band38	20MHz	16QAM	38000	1RB#99	23.52	PASS
Band38	20MHz	QPSK	38000	50RB#0	23.43	PASS
Band38	20MHz	16QAM	38000	50RB#0	22.85	PASS
Band38	20MHz	QPSK	38000	50RB#25	23.49	PASS
Band38	20MHz	16QAM	38000	50RB#25	22.85	PASS
Band38	20MHz	QPSK	38000	50RB#50	23.34	PASS
Band38	20MHz	16QAM	38000	50RB#50	22.71	PASS
Band38	20MHz	QPSK	38000	100RB#0	23.36	PASS
Band38	20MHz	16QAM	38000	100RB#0	22.74	PASS
Band38	20MHz	QPSK	38150	1RB#0	24.02	PASS
Band38	20MHz	16QAM	38150	1RB#0	24.39	PASS
Band38	20MHz	QPSK	38150	1RB#49	23.98	PASS
Band38	20MHz	16QAM	38150	1RB#49	24.17	PASS
Band38	20MHz	QPSK	38150	1RB#99	23.80	PASS
Band38	20MHz	16QAM	38150	1RB#99	24.07	PASS
Band38	20MHz	QPSK	38150	50RB#0	23.14	PASS
Band38	20MHz	16QAM	38150	50RB#0	22.61	PASS





Band38	20MHz	QPSK	38150	50RB#25	23.05	PASS
Band38	20MHz	16QAM	38150	50RB#25	22.44	PASS
Band38	20MHz	QPSK	38150	50RB#50	22.94	PASS
Band38	20MHz	16QAM	38150	50RB#50	22.30	PASS
Band38	20MHz	QPSK	38150	100RB#0	22.97	PASS
Band38	20MHz	16QAM	38150	100RB#0	22.34	PASS





J.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	8.26	13	PASS
Band38	5MHz	16QAM	37775	1RB#0	8.92	13	PASS
Band38	5MHz	QPSK	37775	25RB#0	9.02	13	PASS
Band38	5MHz	16QAM	37775	25RB#0	9.73	13	PASS
Band38	5MHz	QPSK	38000	1RB#0	8.75	13	PASS
Band38	5MHz	16QAM	38000	1RB#0	8.73	13	PASS
Band38	5MHz	QPSK	38000	25RB#0	8.99	13	PASS
Band38	5MHz	16QAM	38000	25RB#0	9.67	13	PASS
Band38	5MHz	QPSK	38225	1RB#0	8.51	13	PASS
Band38	5MHz	16QAM	38225	1RB#0	8.69	13	PASS
Band38	5MHz	QPSK	38225	25RB#0	9.02	13	PASS
Band38	5MHz	16QAM	38225	25RB#0	9.74	13	PASS
Band38	10MHz	QPSK	37800	1RB#0	8.29	13	PASS
Band38	10MHz	16QAM	37800	1RB#0	9.04	13	PASS
Band38	10MHz	QPSK	37800	50RB#0	8.92	13	PASS
Band38	10MHz	16QAM	37800	50RB#0	9.62	13	PASS
Band38	10MHz	QPSK	38000	1RB#0	8.44	13	PASS
Band38	10MHz	16QAM	38000	1RB#0	8.58	13	PASS
Band38	10MHz	QPSK	38000	50RB#0	8.91	13	PASS
Band38	10MHz	16QAM	38000	50RB#0	9.67	13	PASS
Band38	10MHz	QPSK	38200	1RB#0	8.65	13	PASS
Band38	10MHz	16QAM	38200	1RB#0	8.66	13	PASS
Band38	10MHz	QPSK	38200	50RB#0	9.03	13	PASS
Band38	10MHz	16QAM	38200	50RB#0	9.75	13	PASS
Band38	15MHz	QPSK	37825	1RB#0	8.62	13	PASS
Band38	15MHz	16QAM	37825	1RB#0	8.64	13	PASS
Band38	15MHz	QPSK	37825	75RB#0	9.43	13	PASS
Band38	15MHz	16QAM	37825	75RB#0	9.89	13	PASS
Band38	15MHz	QPSK	38000	1RB#0	8.57	13	PASS
Band38	15MHz	16QAM	38000	1RB#0	8.29	13	PASS
Band38	15MHz	QPSK	38000	75RB#0	9.44	13	PASS
Band38	15MHz	16QAM	38000	75RB#0	9.91	13	PASS
Band38	15MHz	QPSK	38175	1RB#0	8.44	13	PASS
Band38	15MHz	16QAM	38175	1RB#0	9.27	13	PASS
Band38	15MHz	QPSK	38175	75RB#0	9.40	13	PASS
Band38	15MHz	16QAM	38175	75RB#0	9.80	13	PASS



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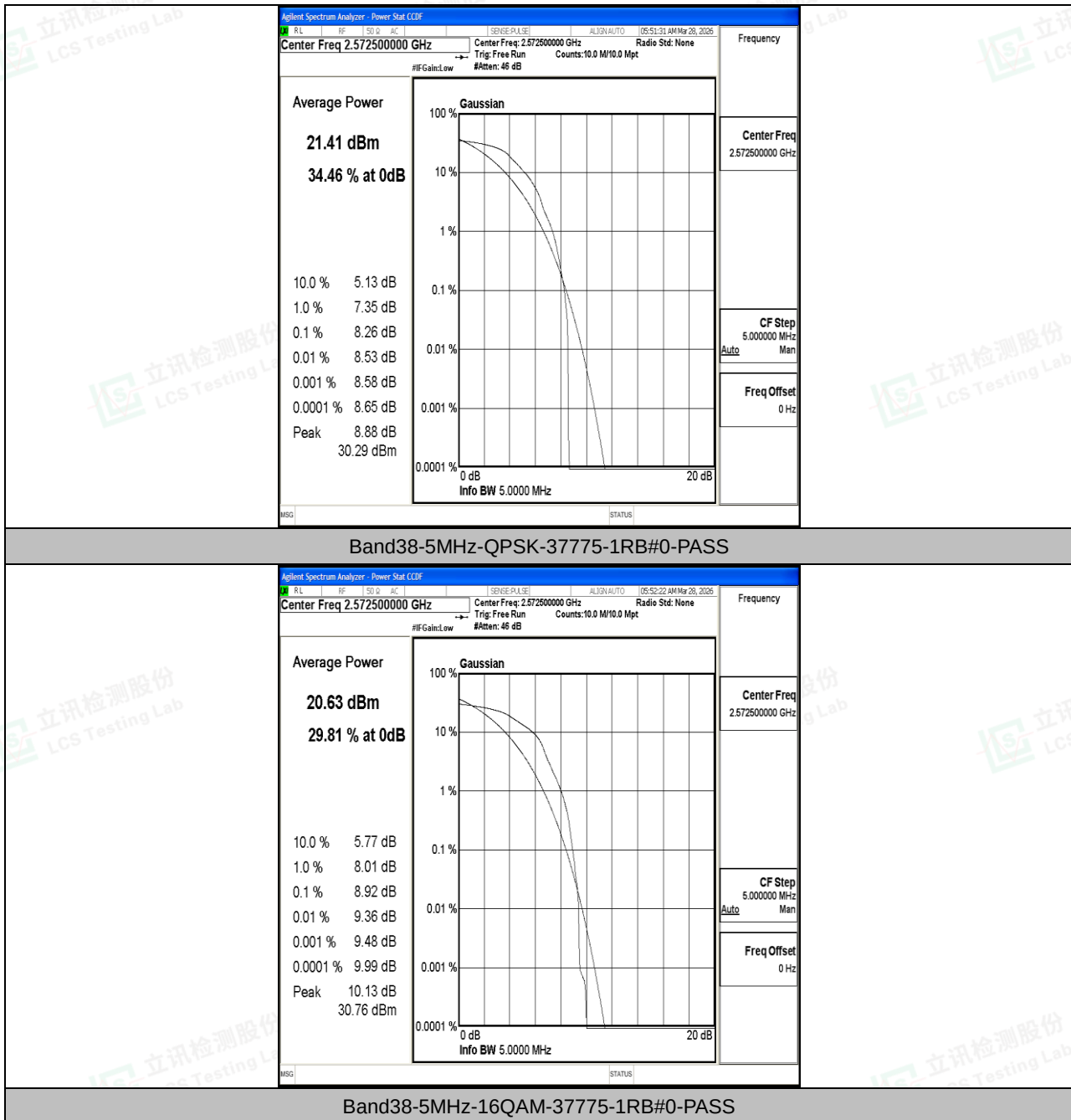


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Band38	20MHz	16QAM	37850	100RB#0	9.27	13	PASS
Band38	20MHz	QPSK	38000	1RB#0	8.29	13	PASS
Band38	20MHz	16QAM	38000	1RB#0	8.50	13	PASS
Band38	20MHz	QPSK	38000	100RB#0	9.12	13	PASS
Band38	20MHz	16QAM	38000	100RB#0	9.34	13	PASS
Band38	20MHz	QPSK	38150	1RB#0	8.14	13	PASS
Band38	20MHz	16QAM	38150	1RB#0	9.44	13	PASS
Band38	20MHz	QPSK	38150	100RB#0	9.20	13	PASS
Band38	20MHz	16QAM	38150	100RB#0	9.71	13	PASS





Test Graphs

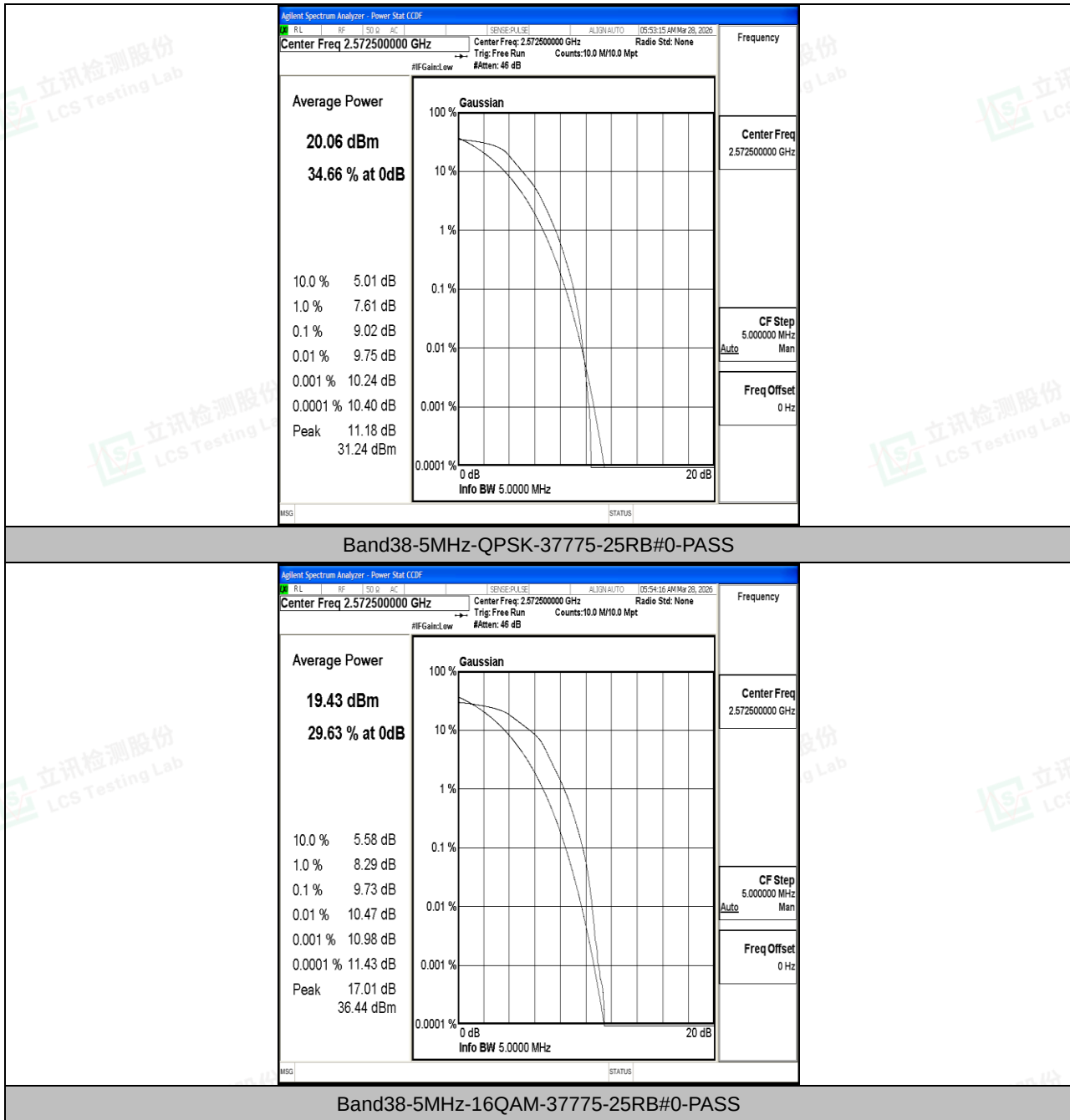


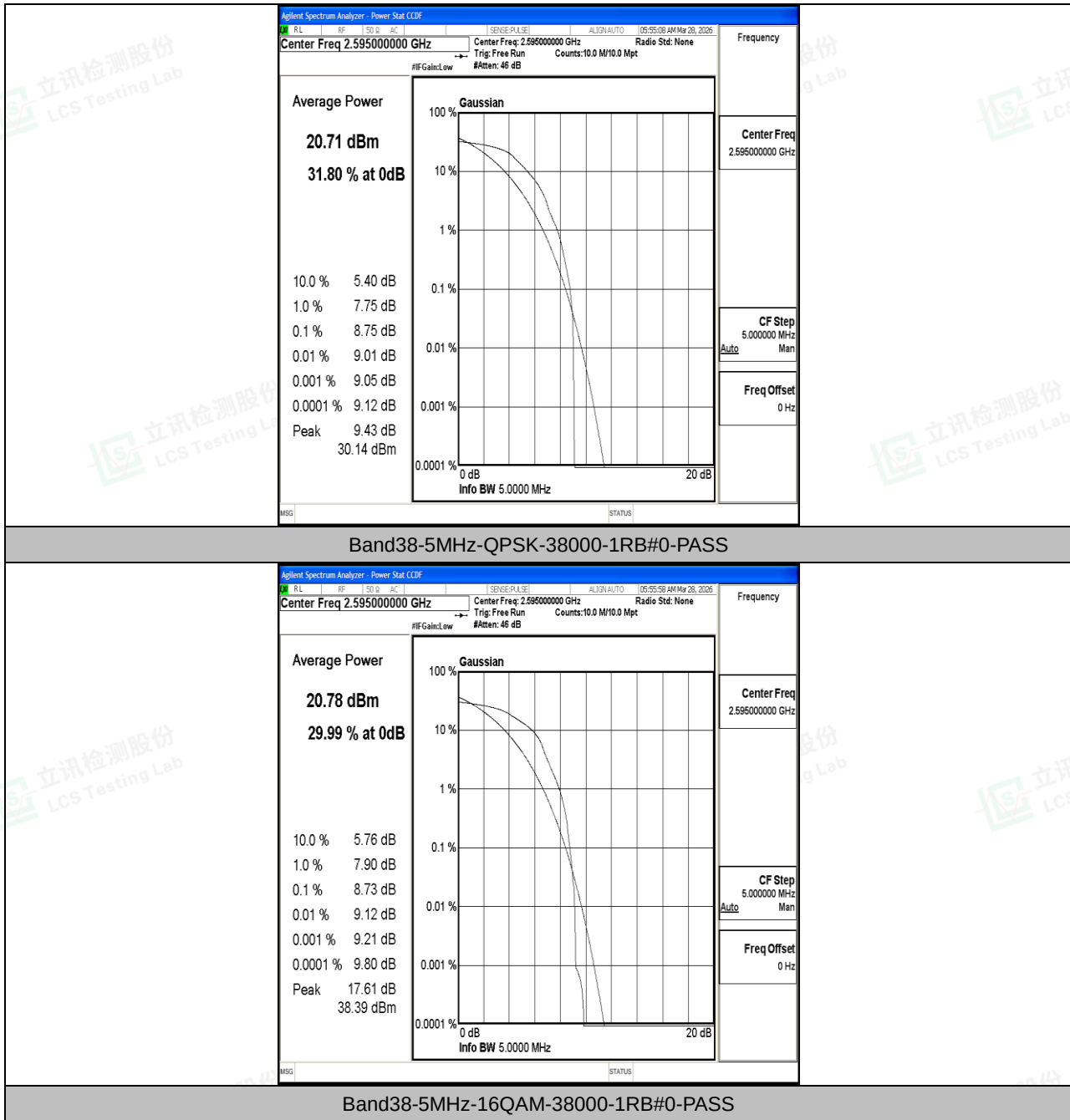
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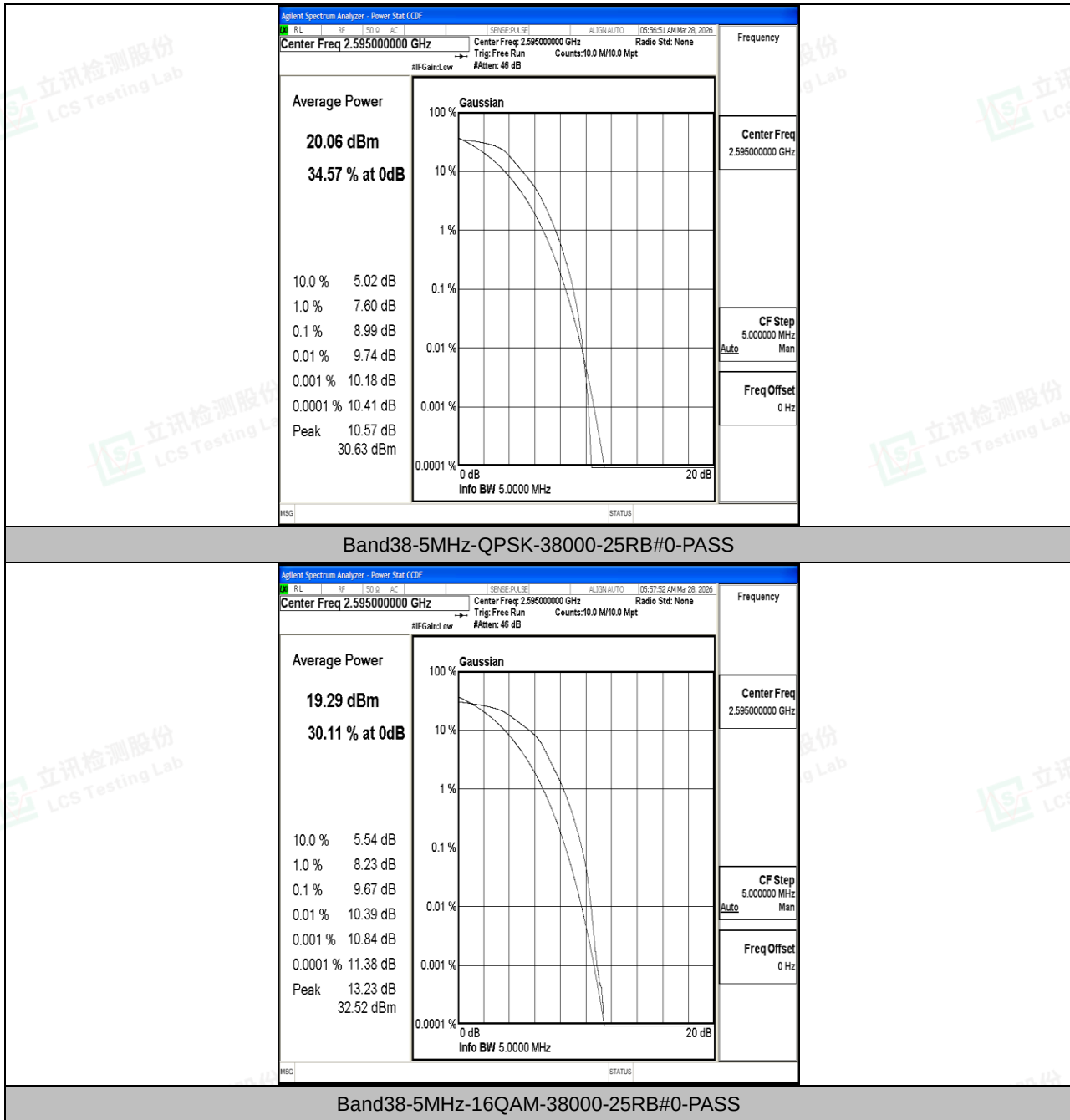
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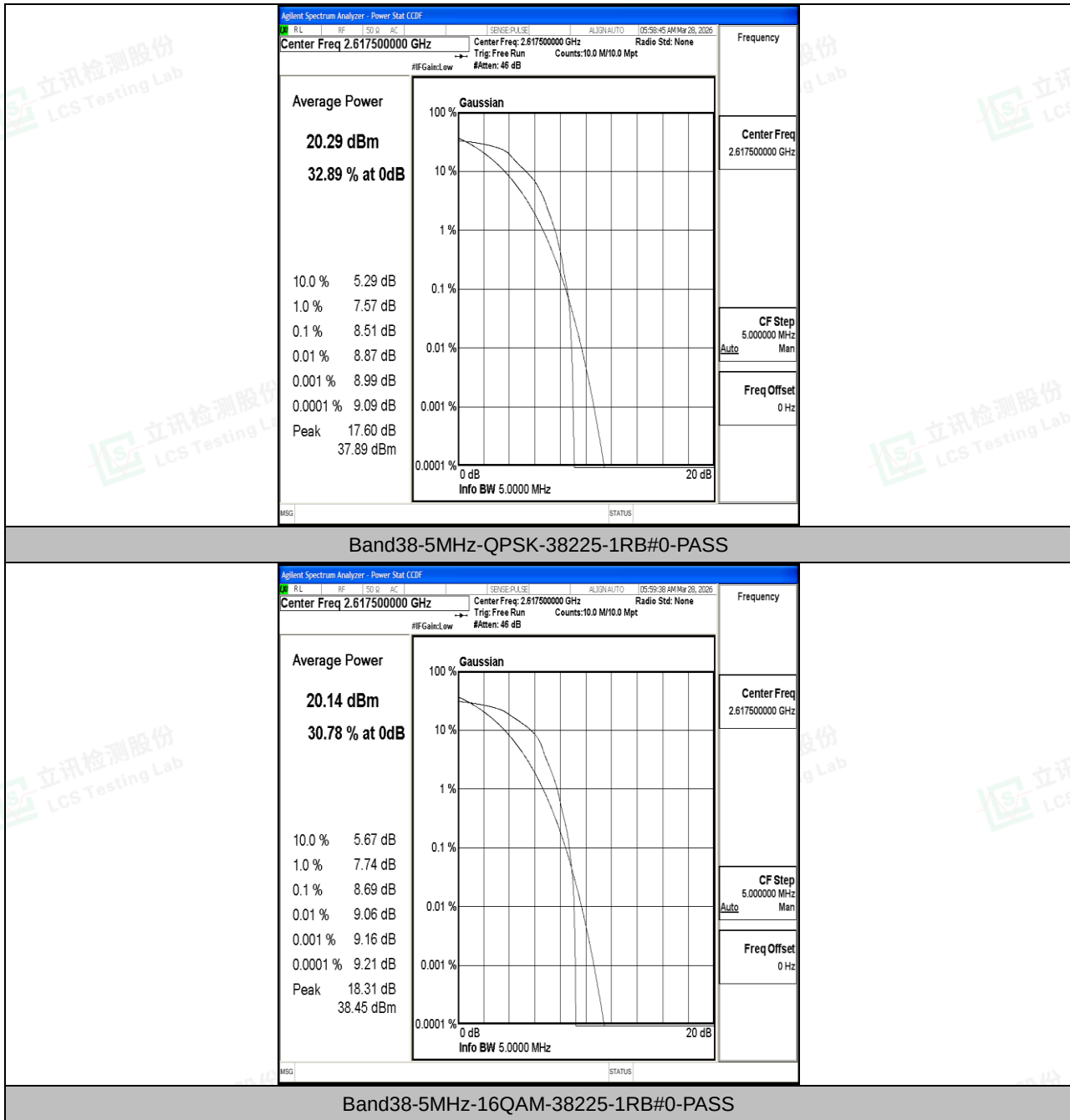


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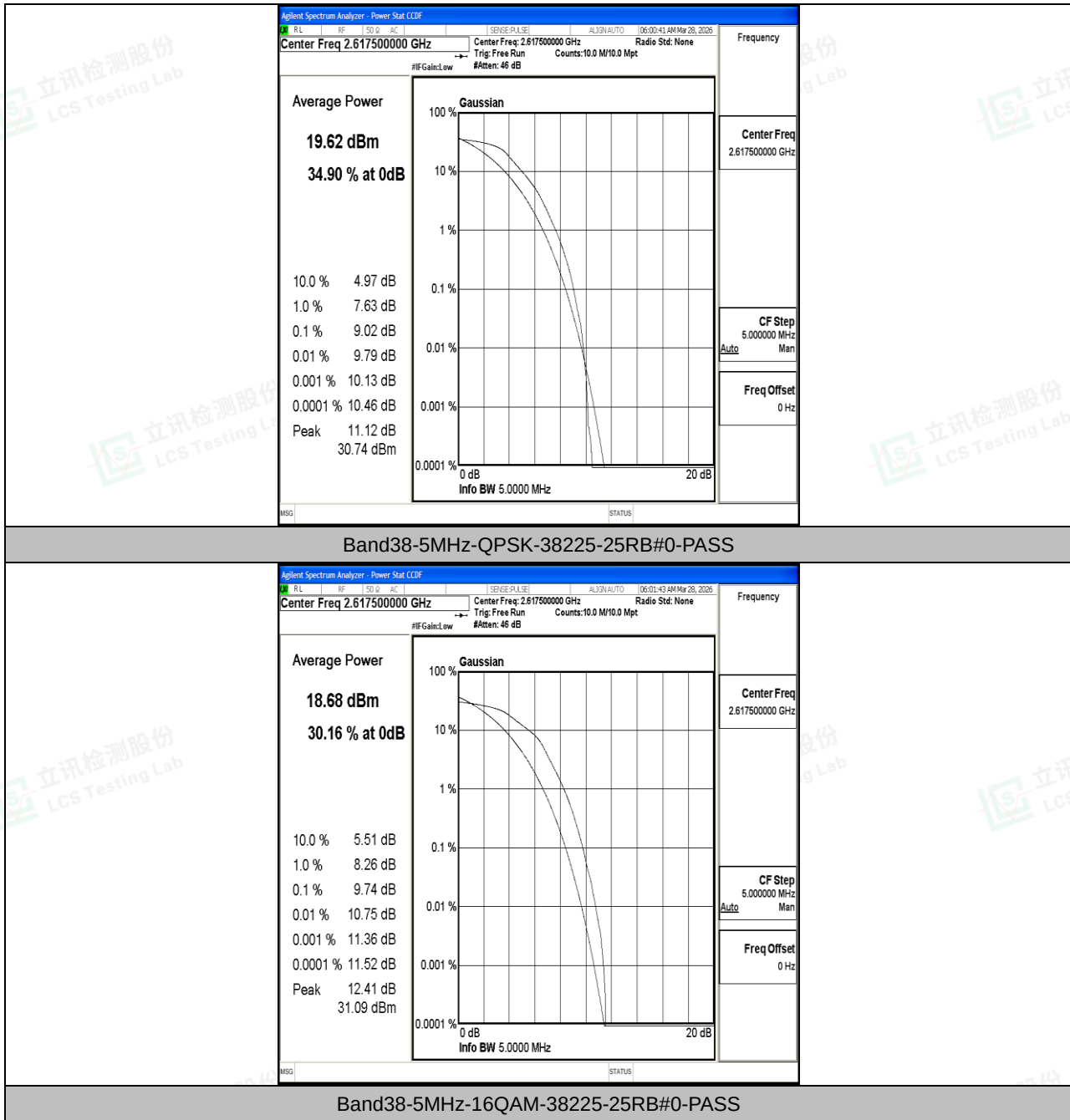


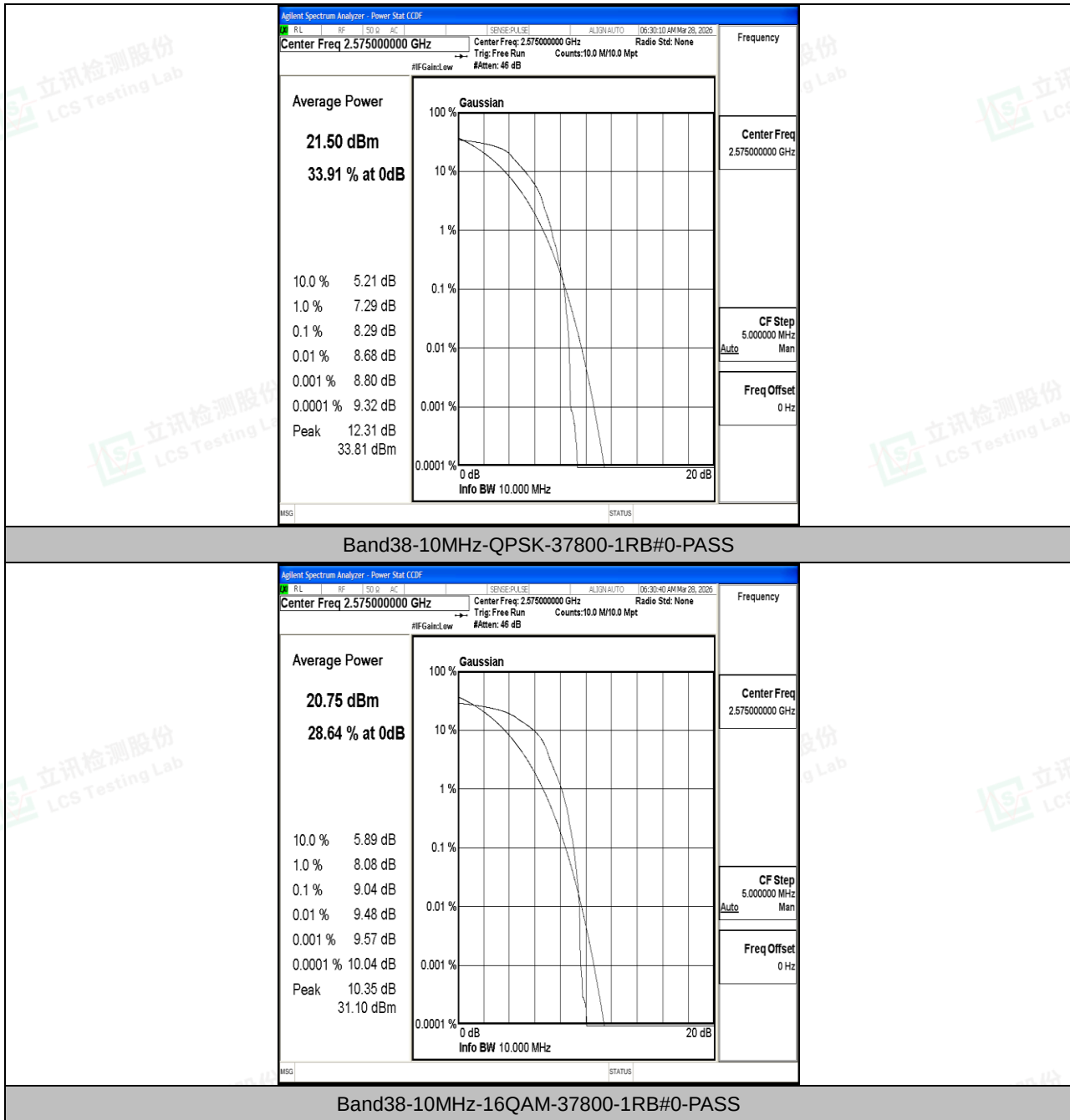
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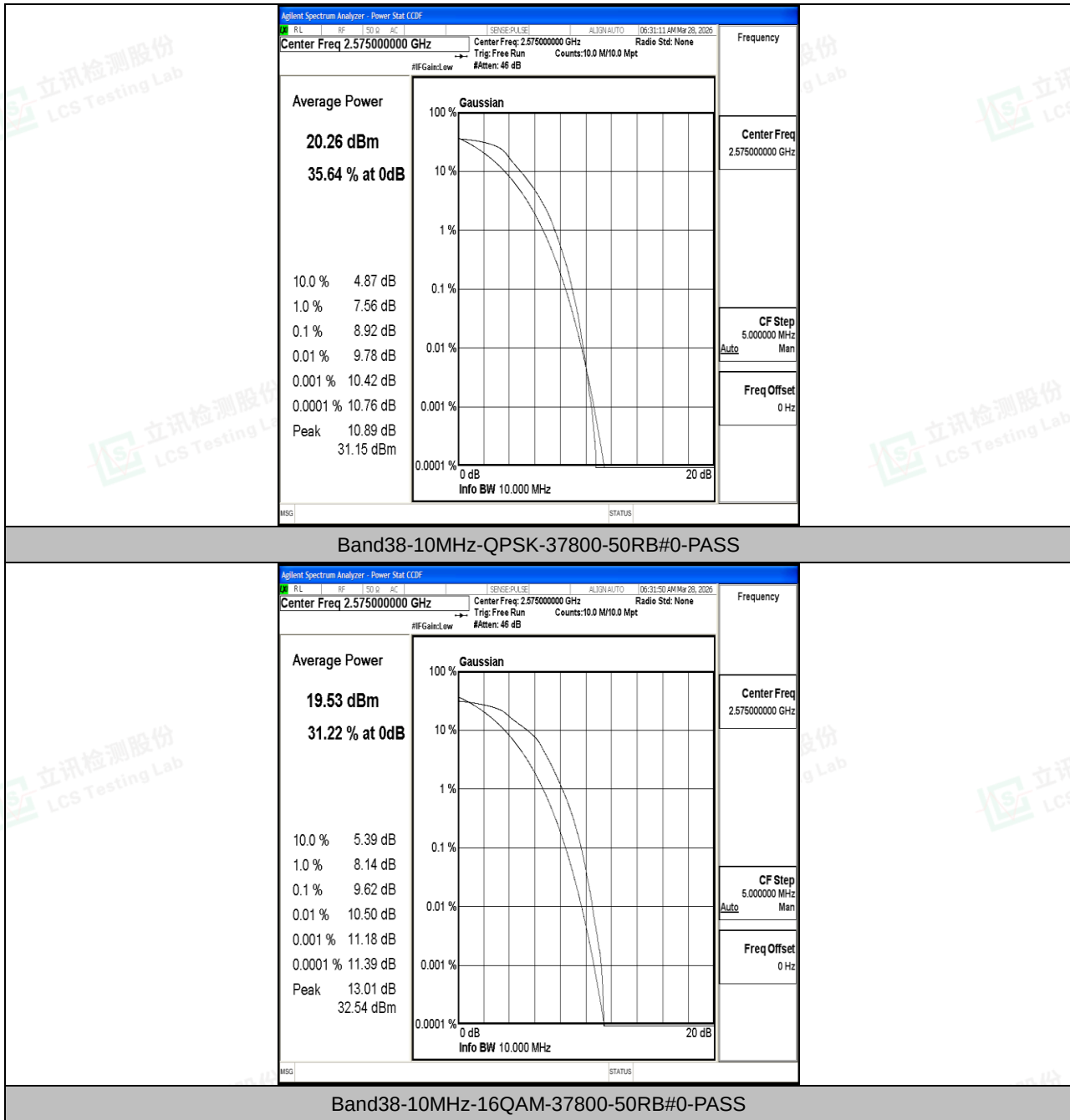
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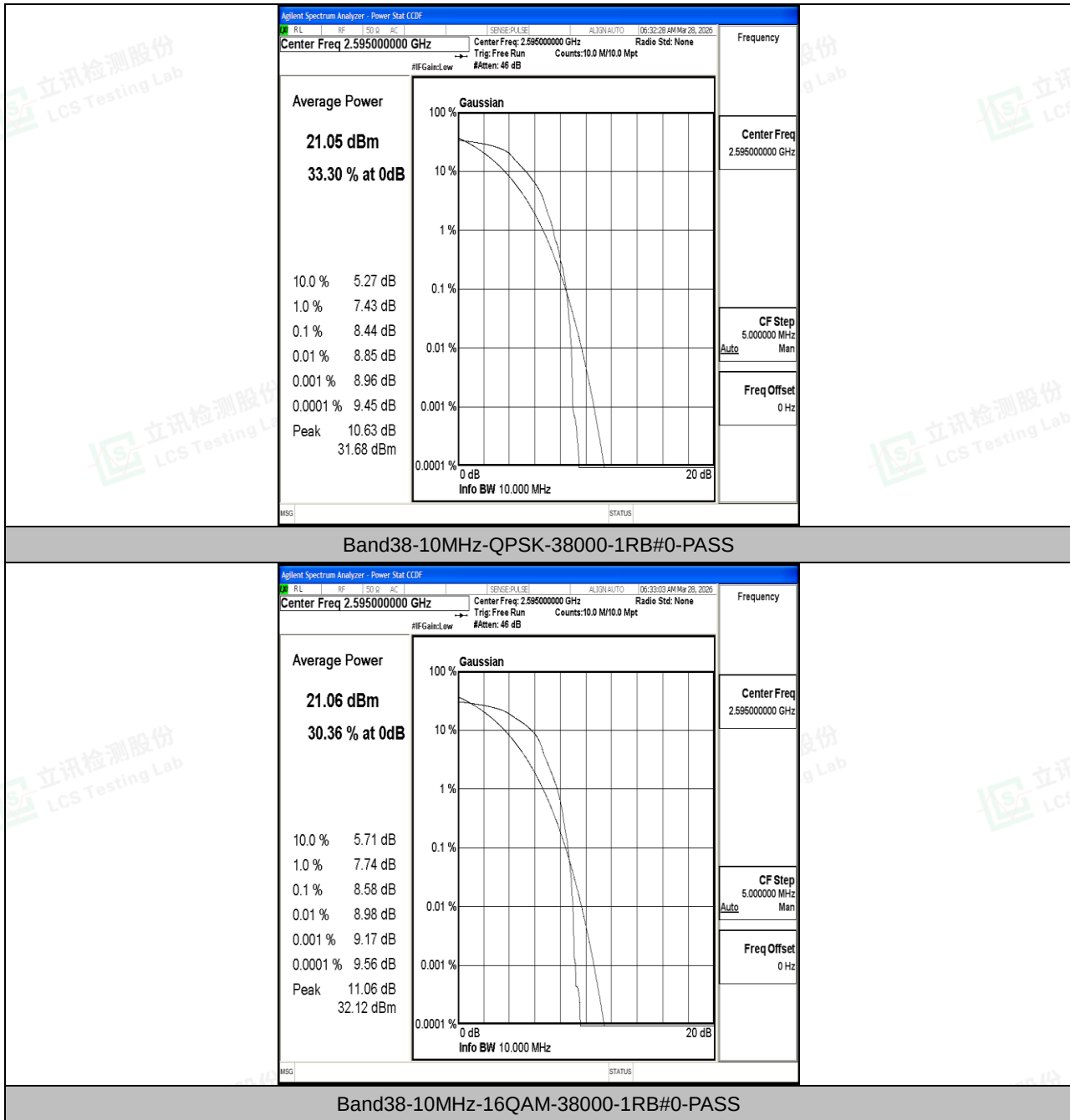


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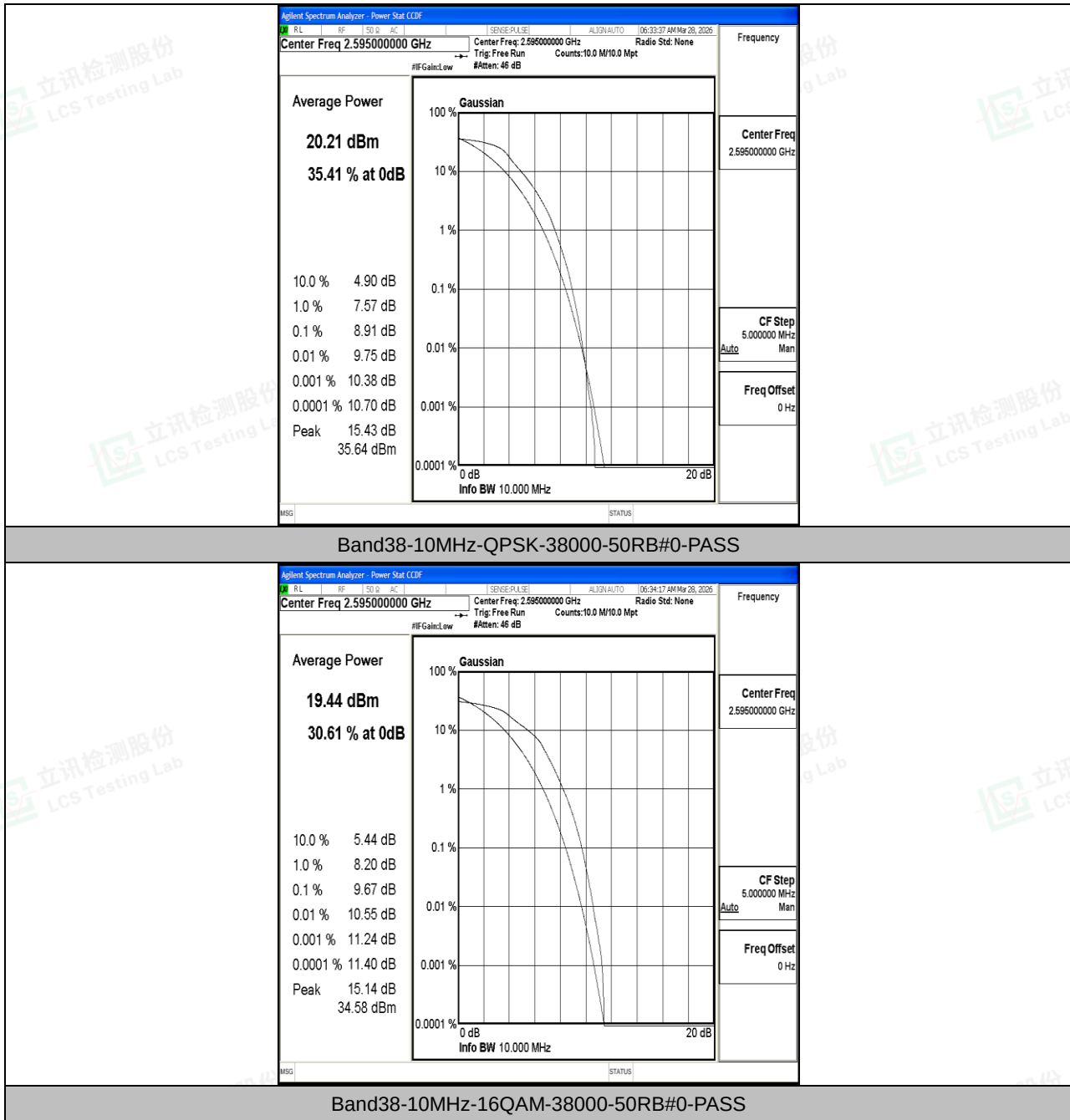


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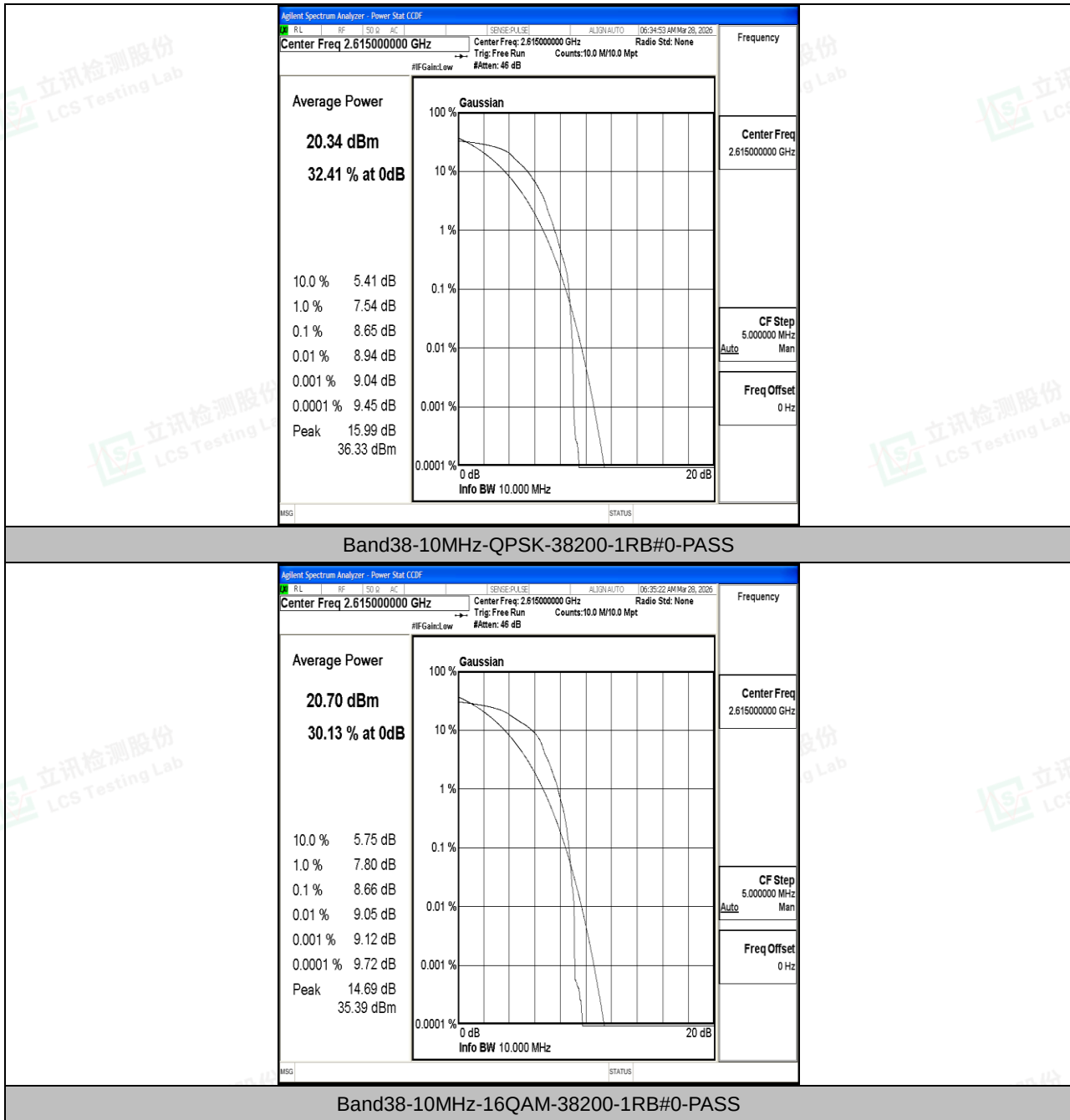


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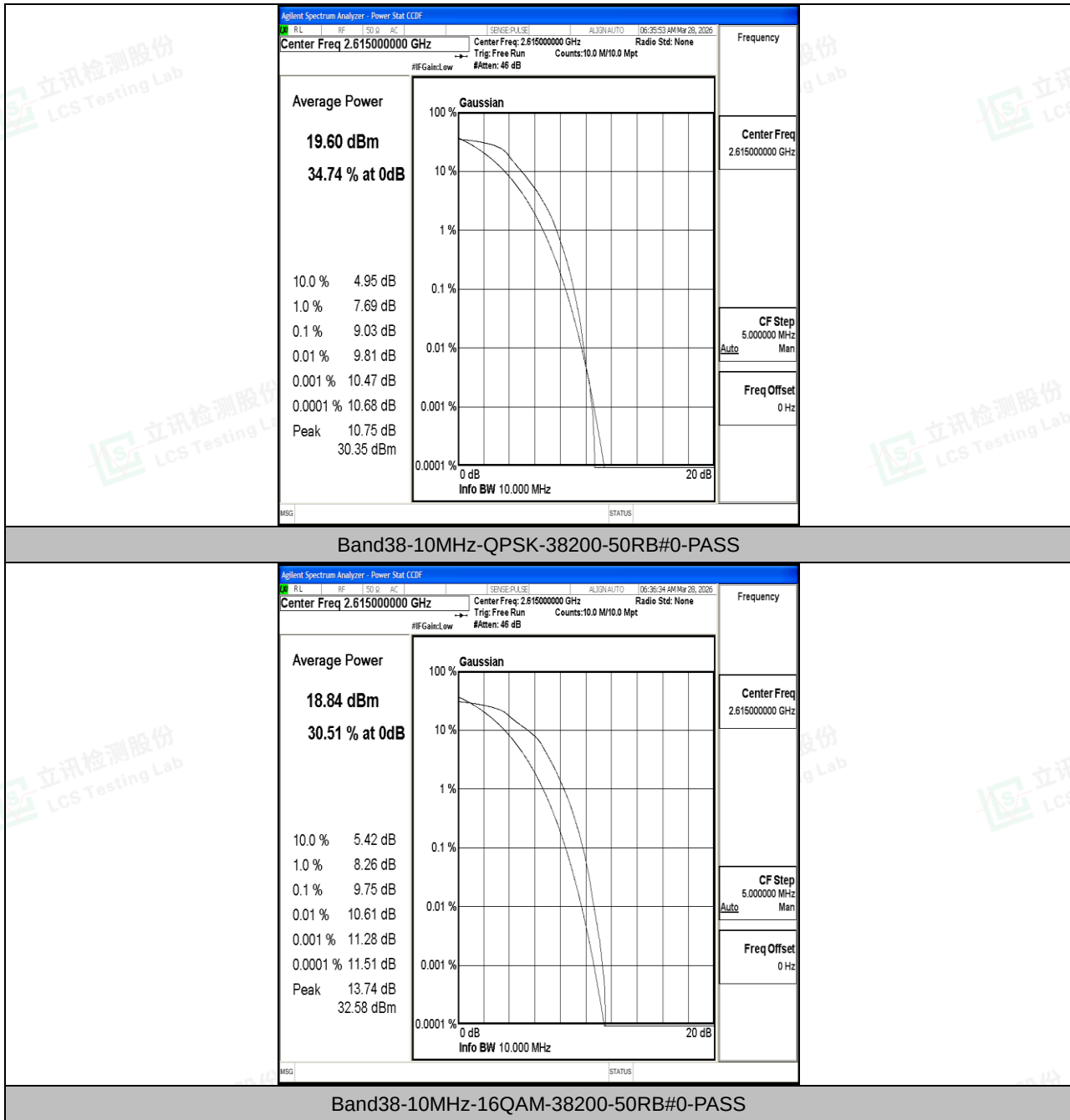


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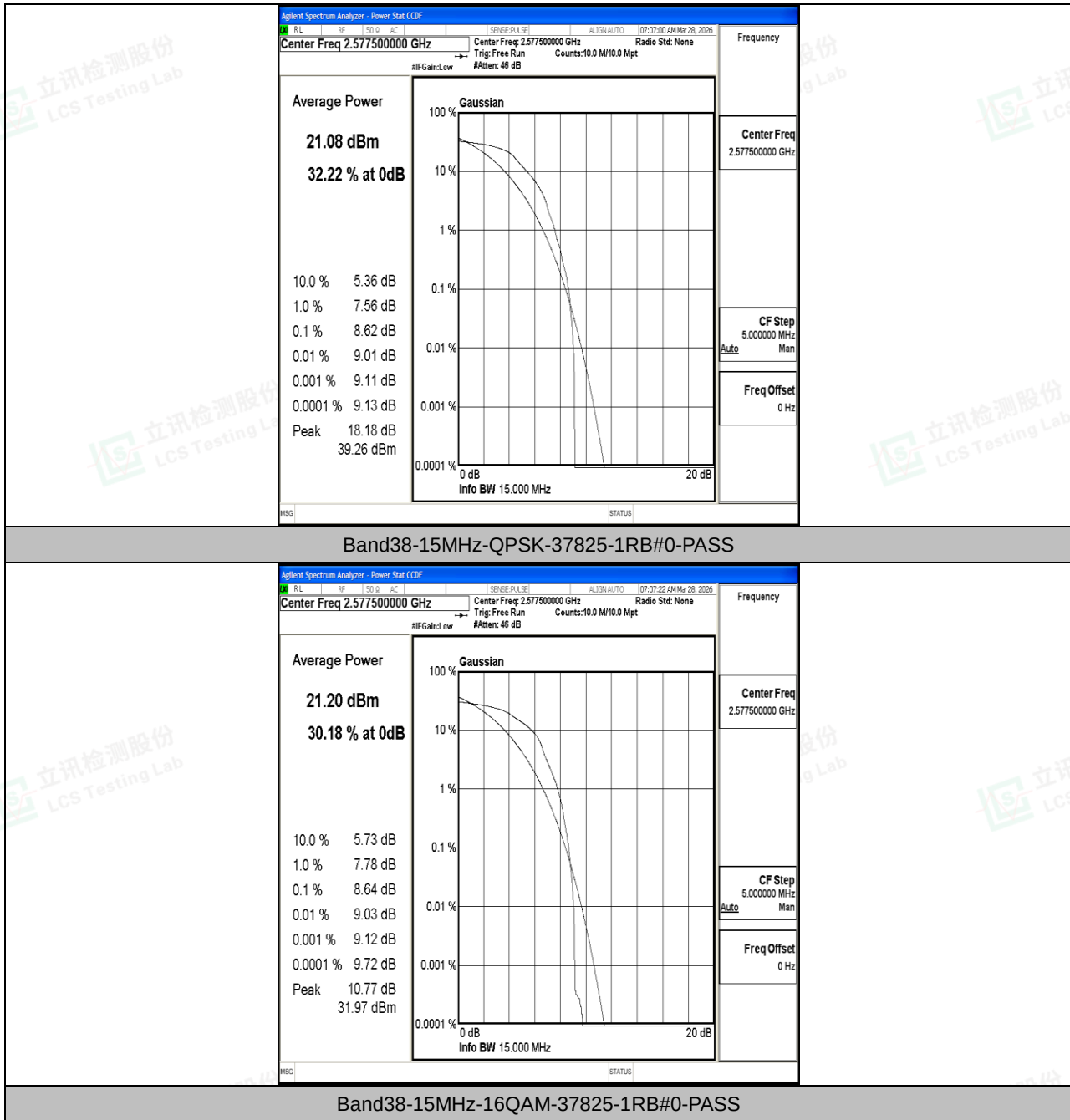


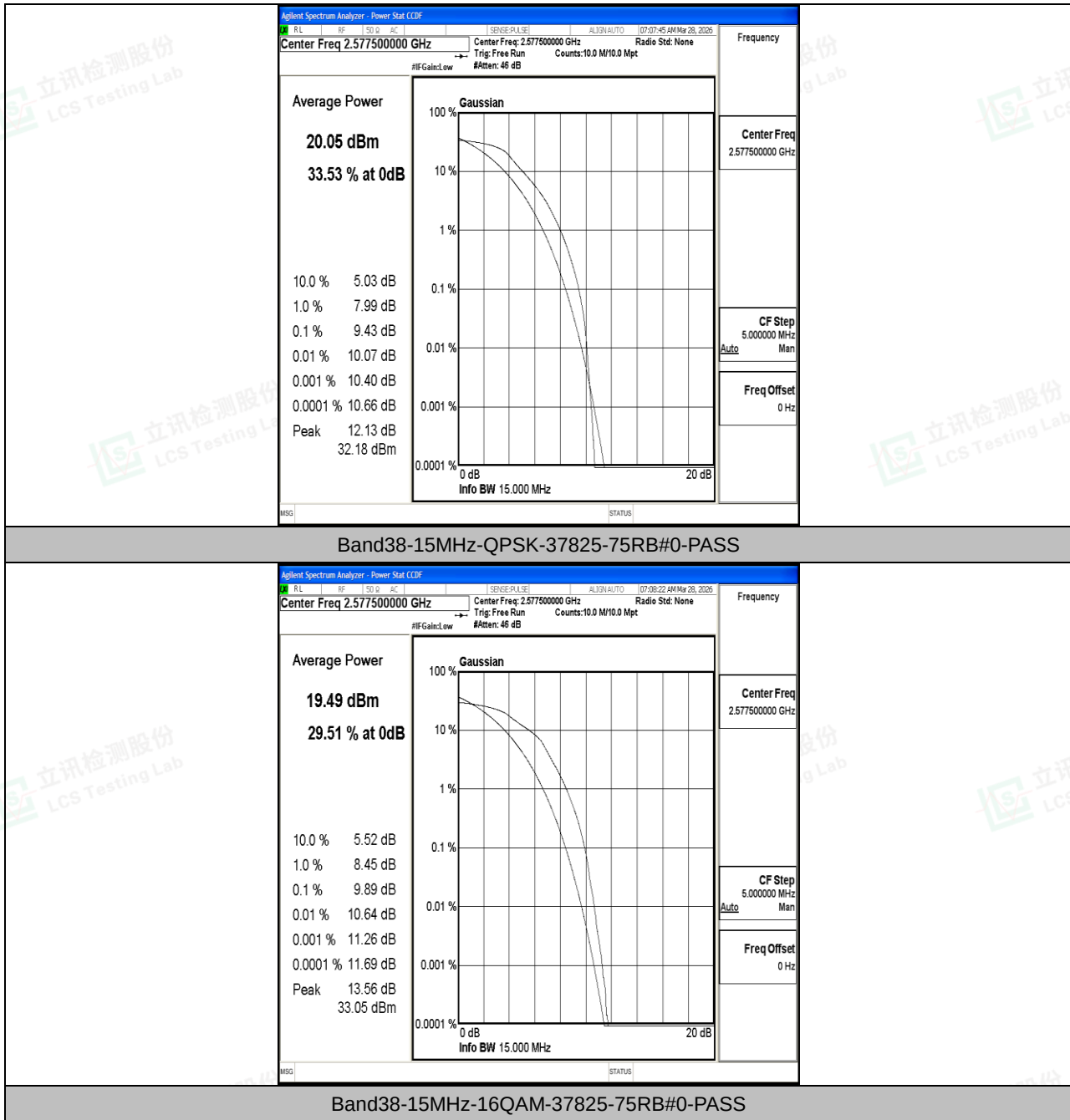
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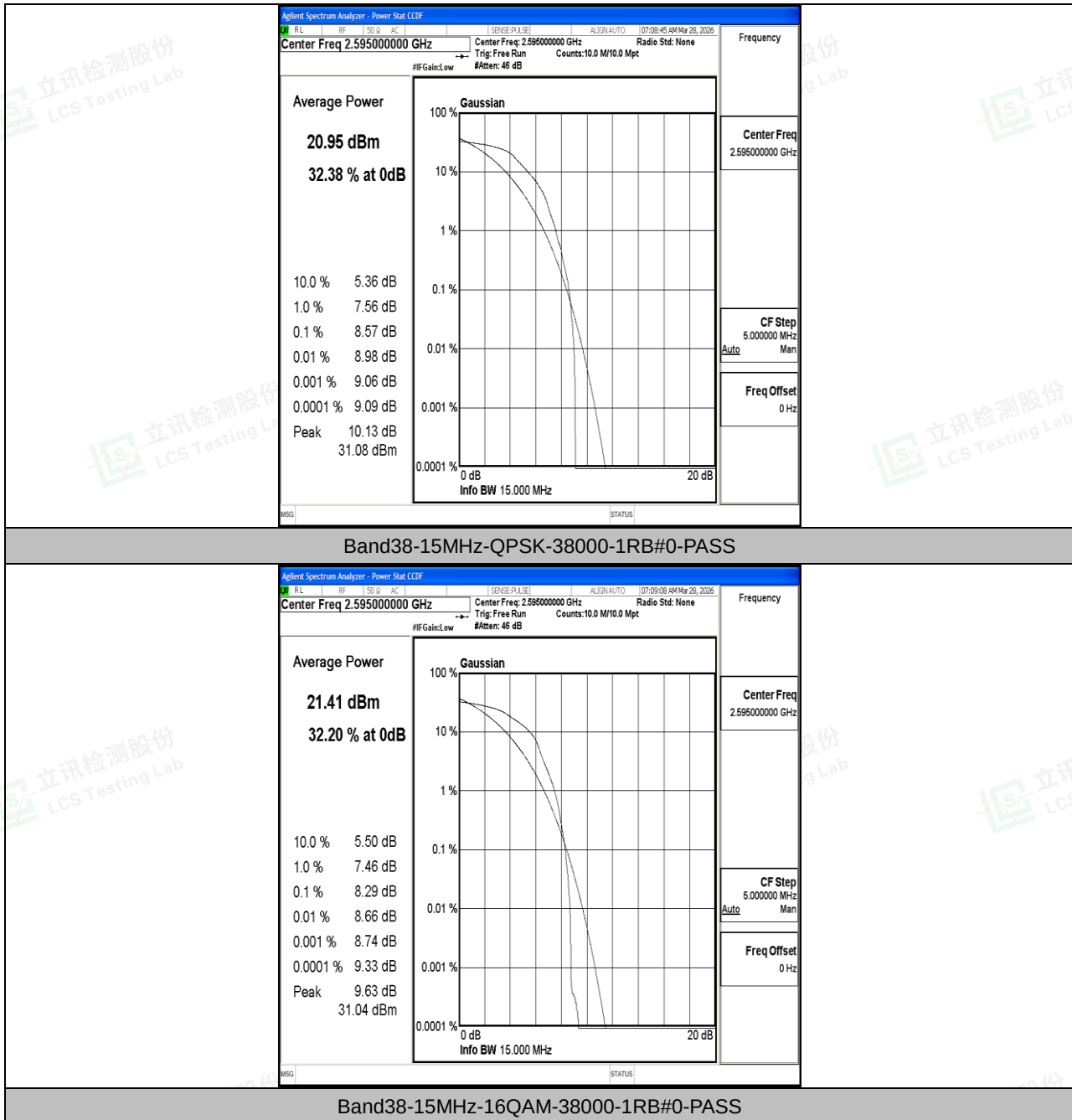
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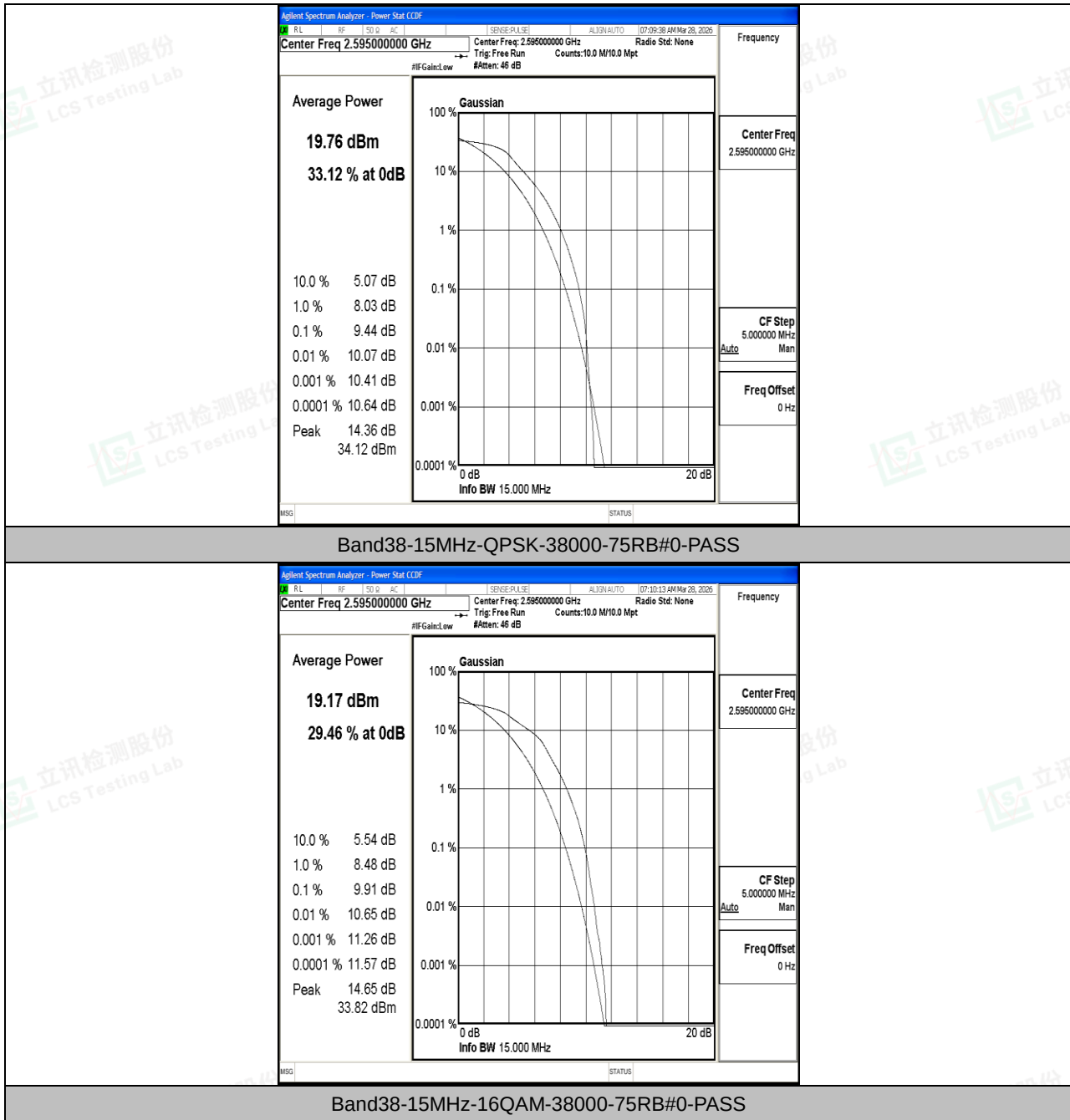
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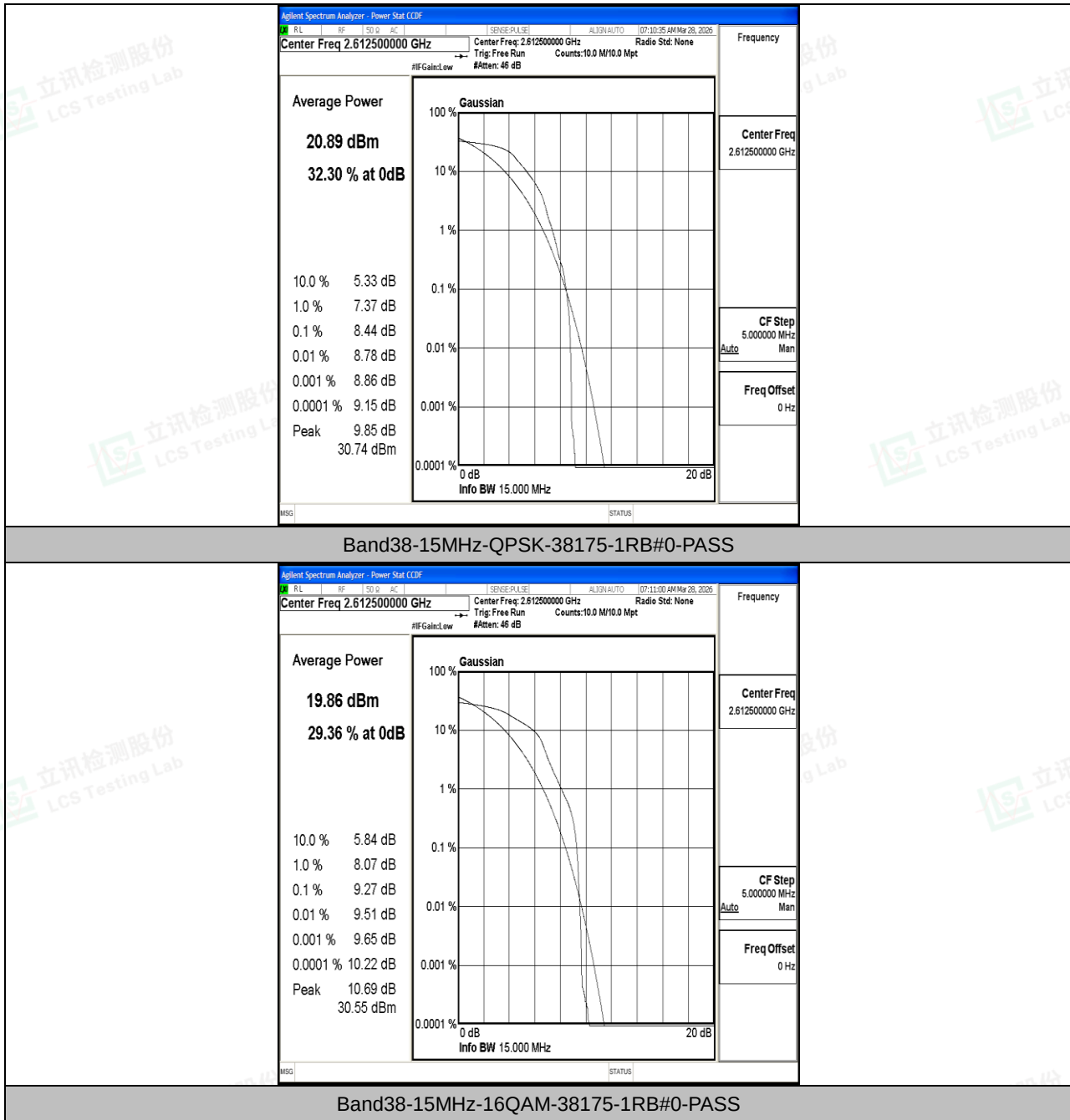


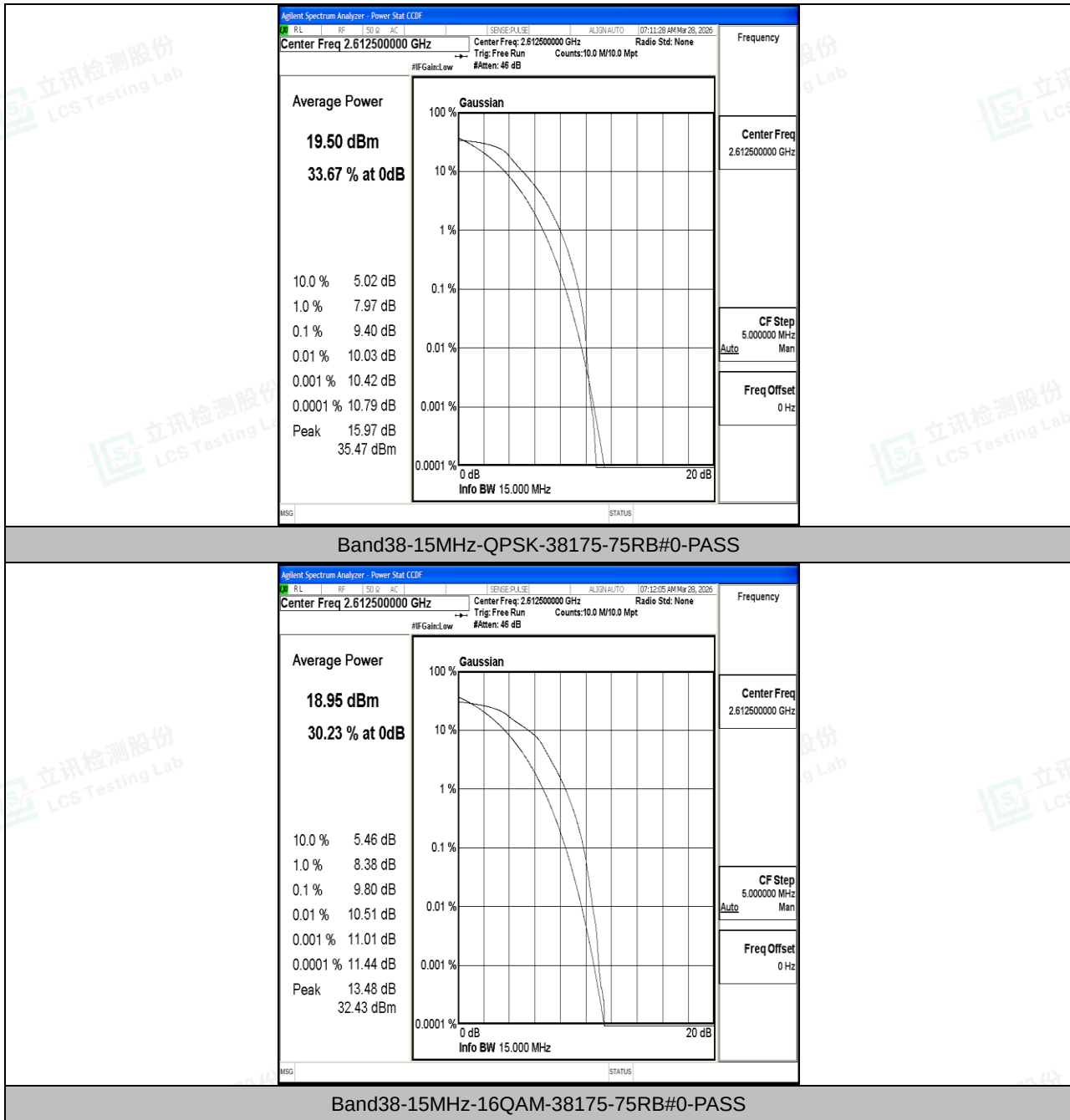
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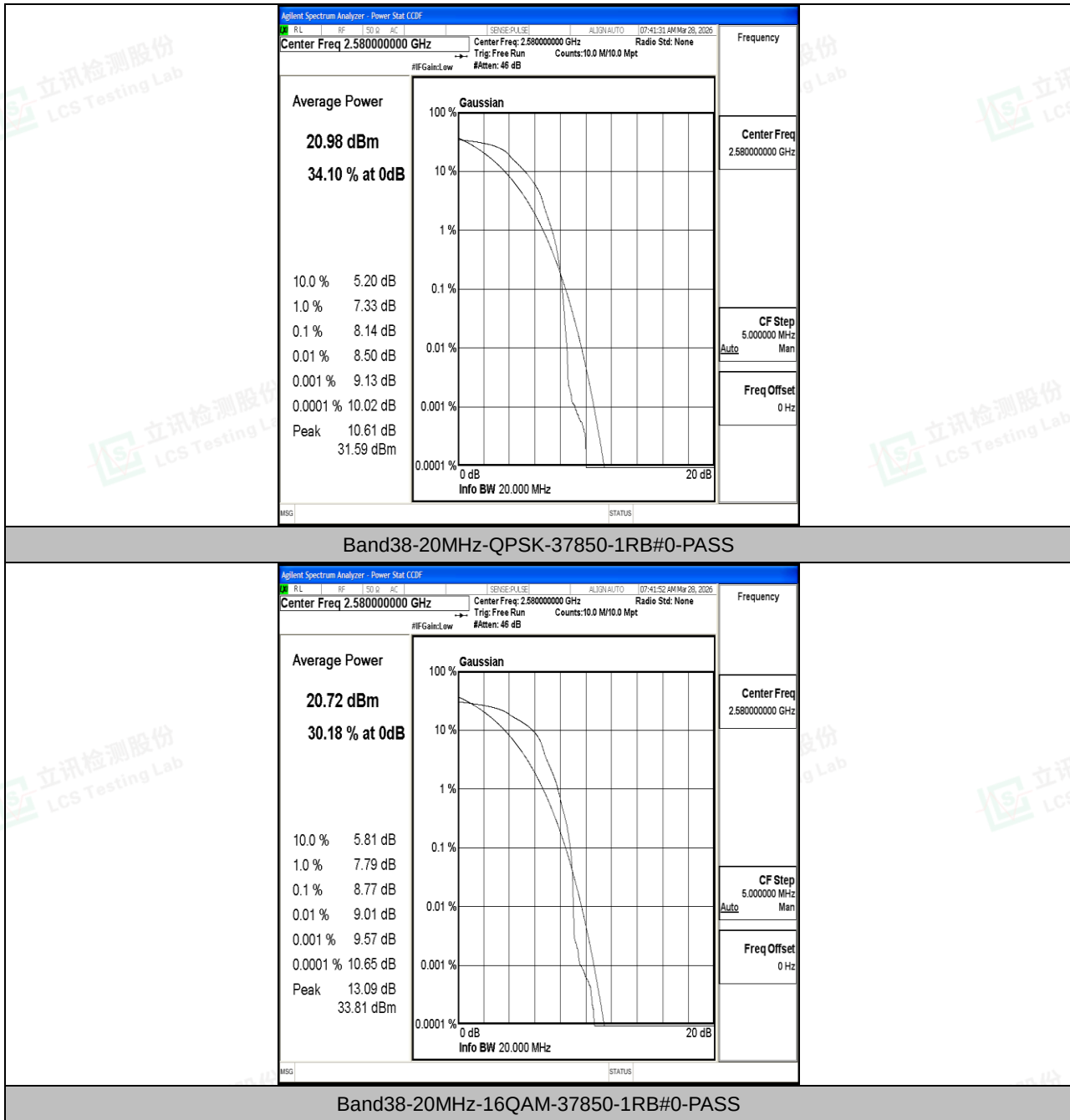
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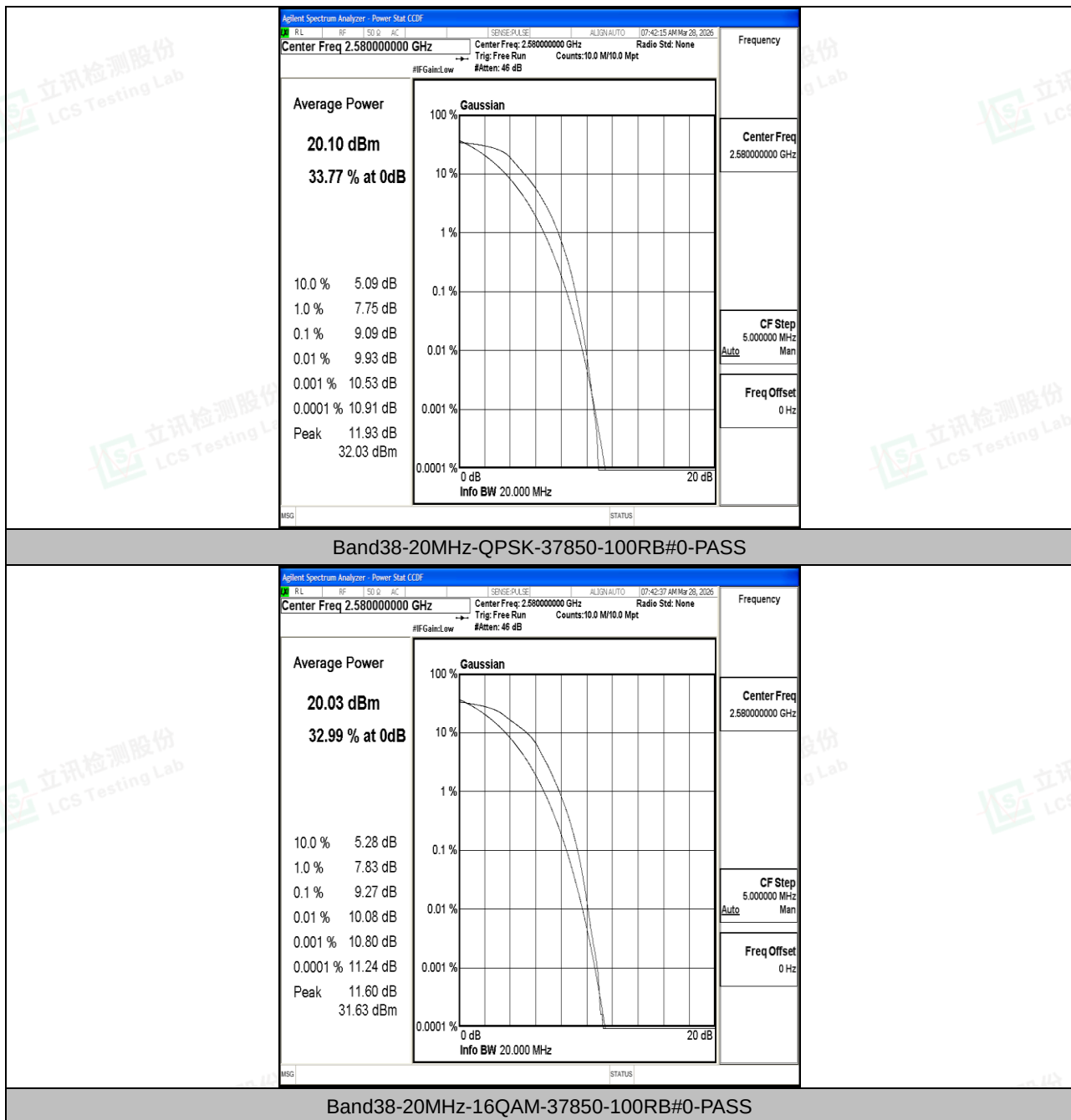
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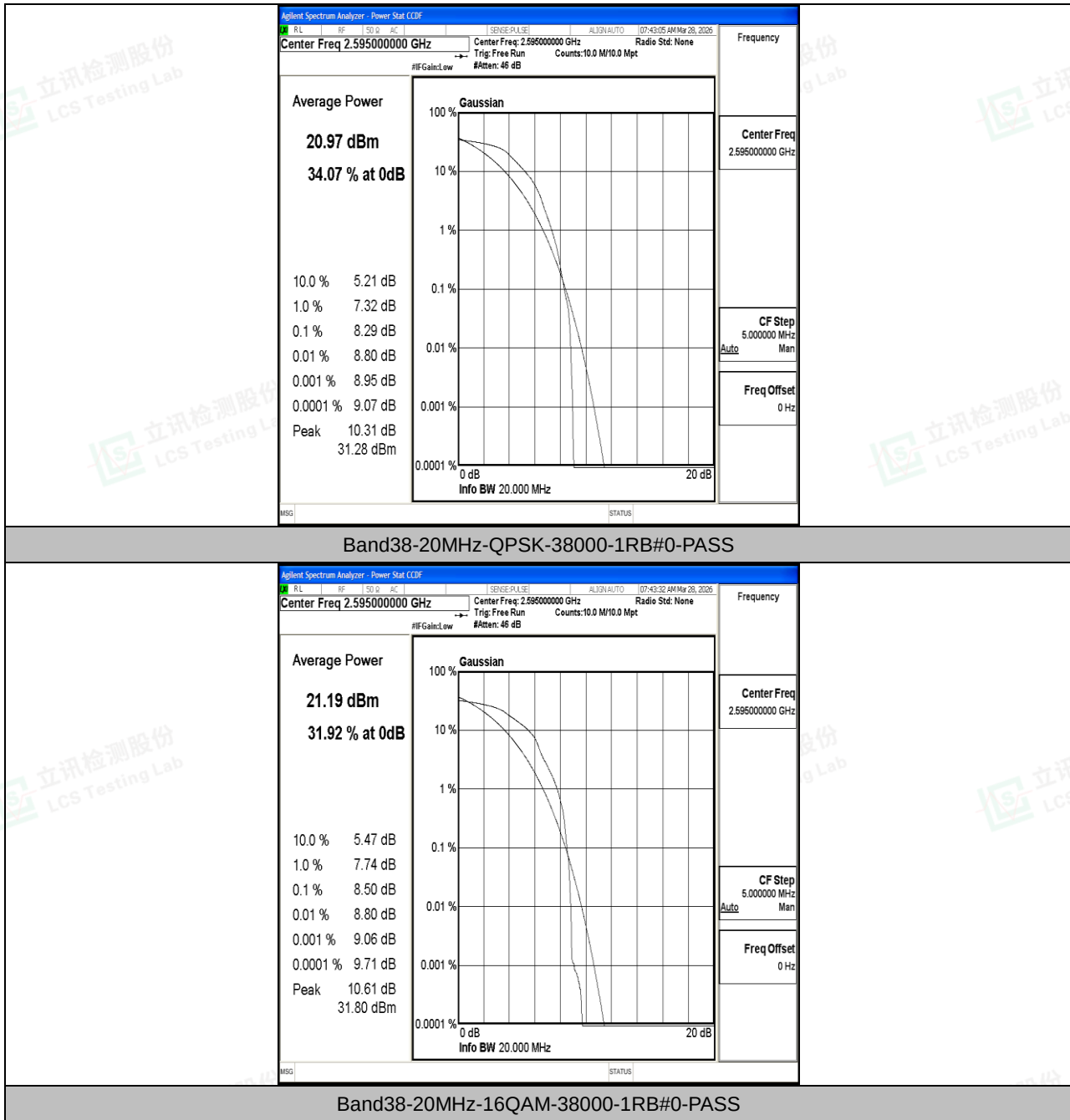


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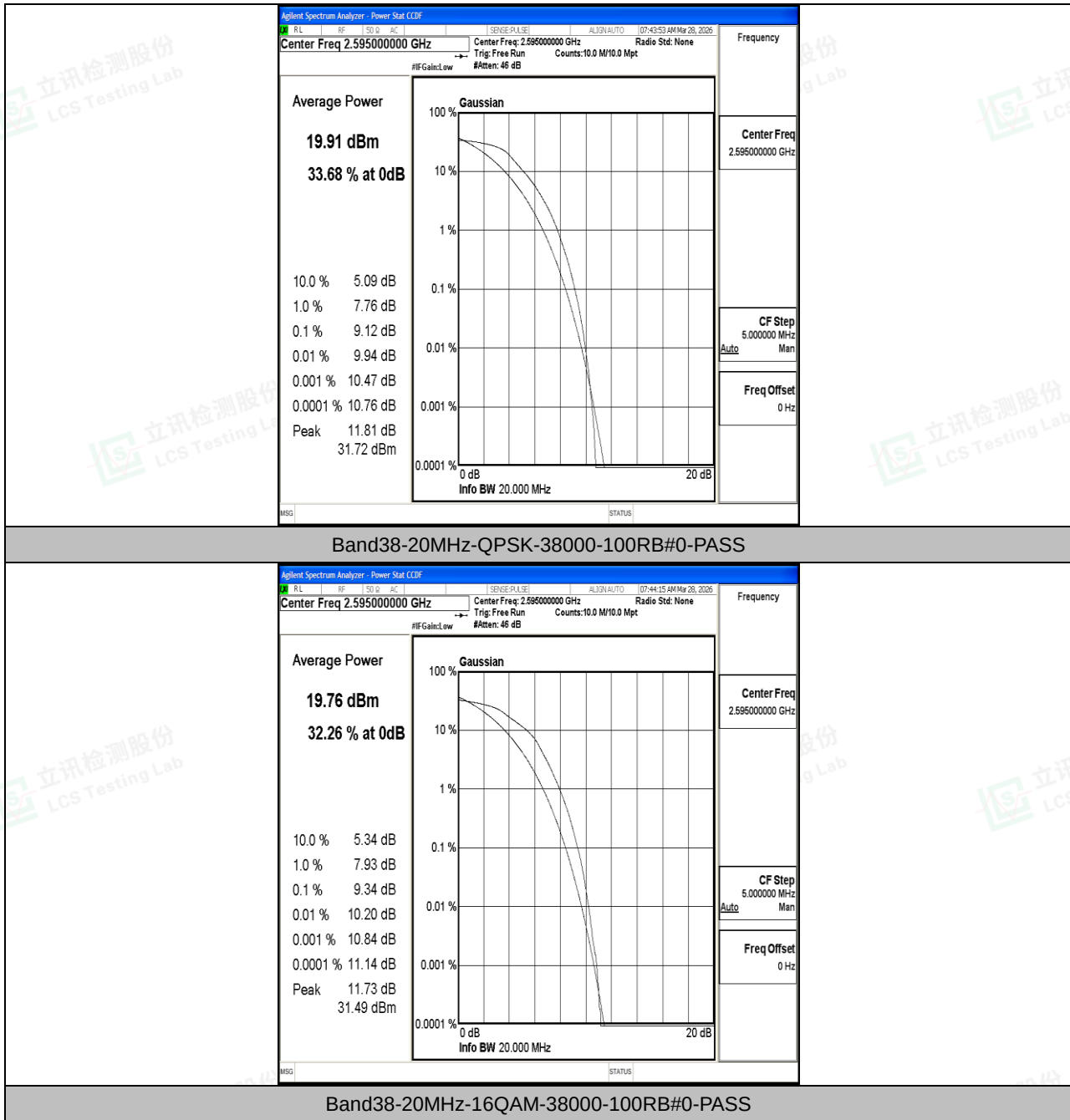


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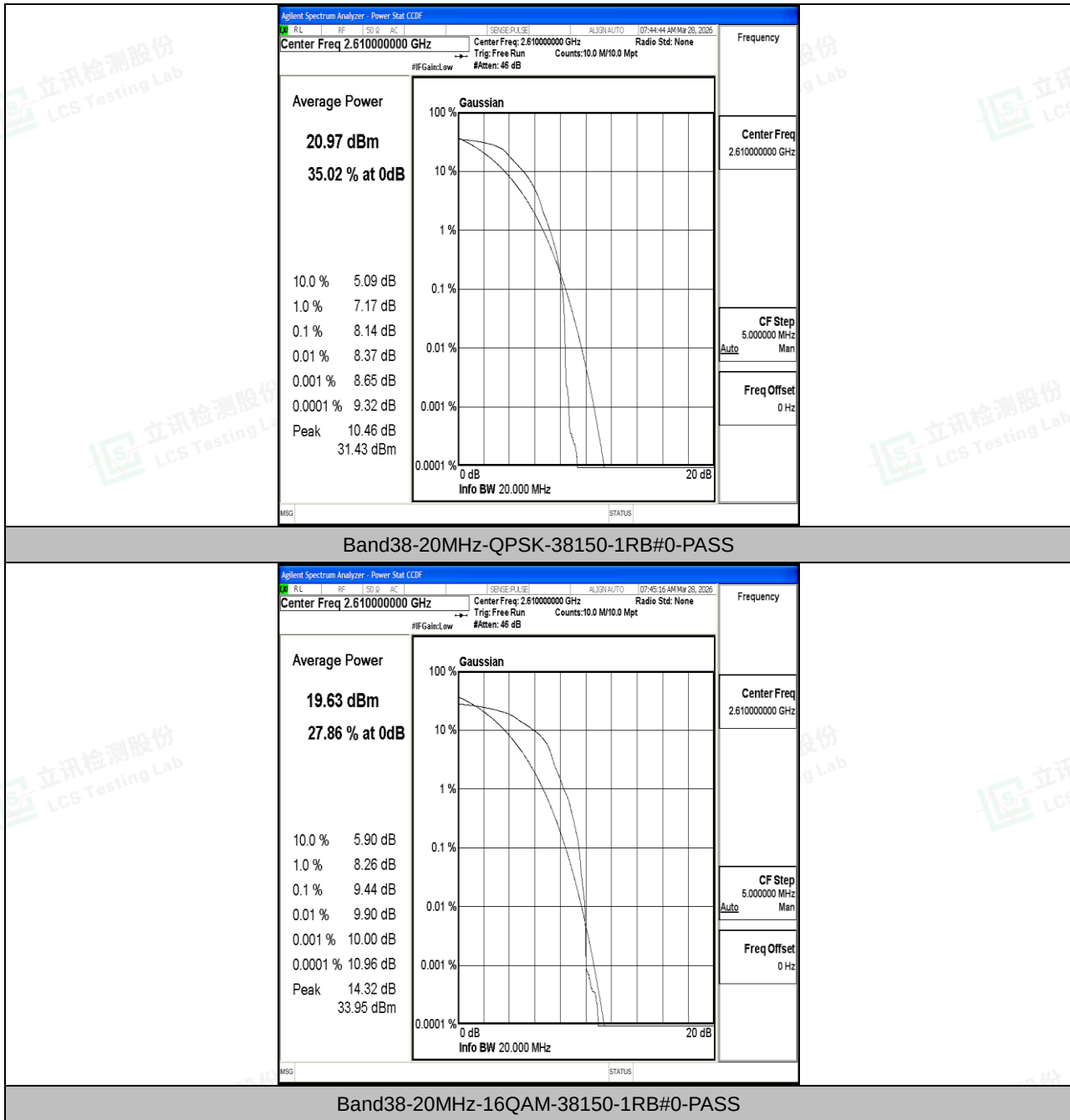


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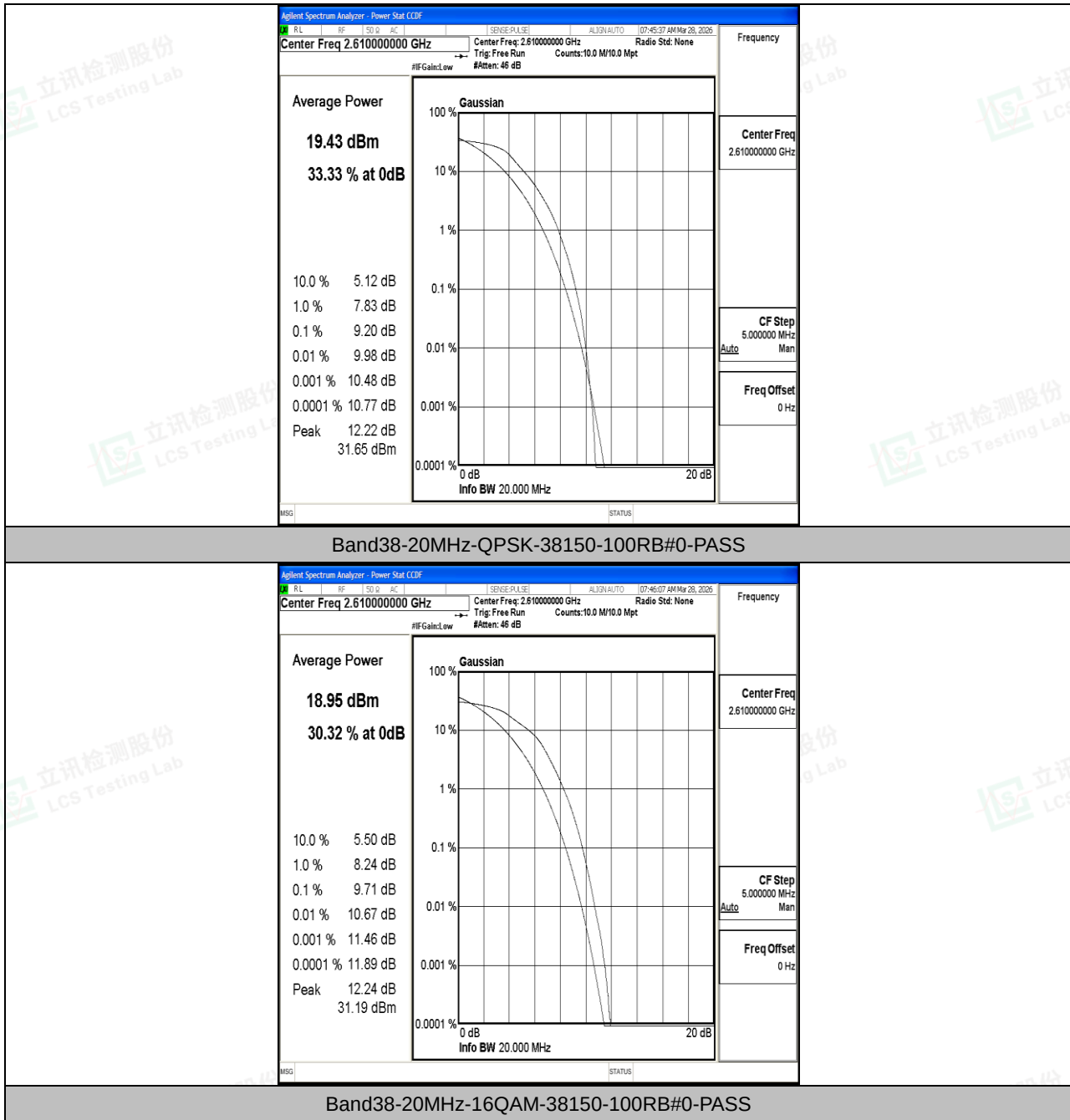


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J.3 26dB Bandwidth and Occupied Bandwidth

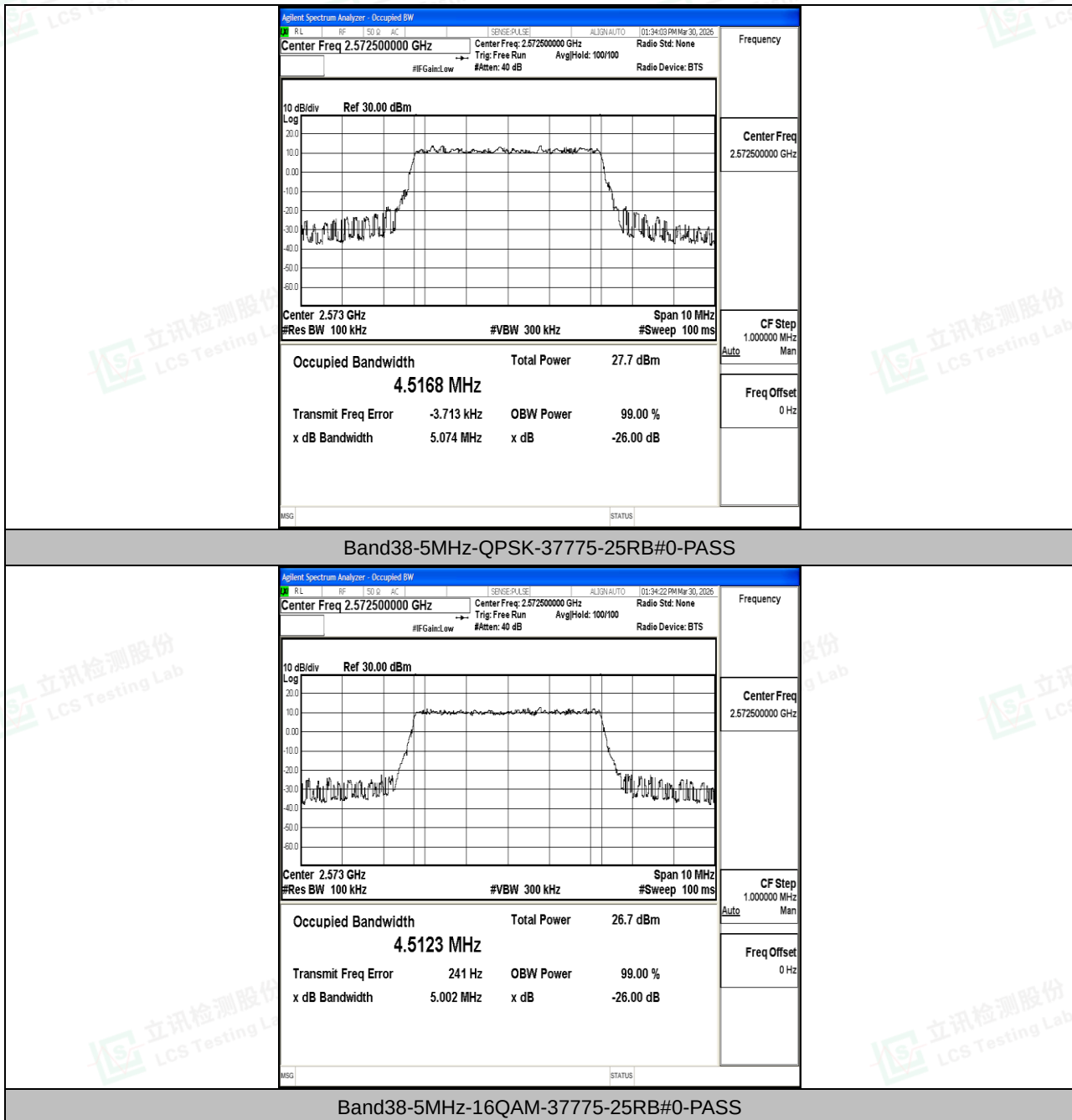
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band38	5MHz	QPSK	37775	25RB#0	4.5168	5.074	PASS
Band38	5MHz	16QAM	37775	25RB#0	4.5123	5.002	PASS
Band38	5MHz	QPSK	38000	25RB#0	4.5095	5.053	PASS
Band38	5MHz	16QAM	38000	25RB#0	4.4991	5.064	PASS
Band38	5MHz	QPSK	38225	25RB#0	4.5071	5.123	PASS
Band38	5MHz	16QAM	38225	25RB#0	4.5080	5.240	PASS
Band38	10MHz	QPSK	37800	50RB#0	8.9867	9.848	PASS
Band38	10MHz	16QAM	37800	50RB#0	8.9711	9.784	PASS
Band38	10MHz	QPSK	38000	50RB#0	8.9727	10.26	PASS
Band38	10MHz	16QAM	38000	50RB#0	8.9912	10.28	PASS
Band38	10MHz	QPSK	38200	50RB#0	8.9373	9.883	PASS
Band38	10MHz	16QAM	38200	50RB#0	8.9852	9.790	PASS
Band38	15MHz	QPSK	37825	75RB#0	13.494	14.86	PASS
Band38	15MHz	16QAM	37825	75RB#0	13.505	15.32	PASS
Band38	15MHz	QPSK	38000	75RB#0	13.487	15.63	PASS
Band38	15MHz	16QAM	38000	75RB#0	13.493	14.97	PASS
Band38	15MHz	QPSK	38175	75RB#0	13.465	14.85	PASS
Band38	15MHz	16QAM	38175	75RB#0	13.549	15.08	PASS
Band38	20MHz	QPSK	37850	100RB#0	18.001	20.17	PASS
Band38	20MHz	16QAM	37850	100RB#0	17.937	19.51	PASS
Band38	20MHz	QPSK	38000	100RB#0	17.989	19.81	PASS
Band38	20MHz	16QAM	38000	100RB#0	17.954	20.85	PASS
Band38	20MHz	QPSK	38150	100RB#0	17.950	19.46	PASS
Band38	20MHz	16QAM	38150	100RB#0	17.914	20.01	PASS





Test Graphs

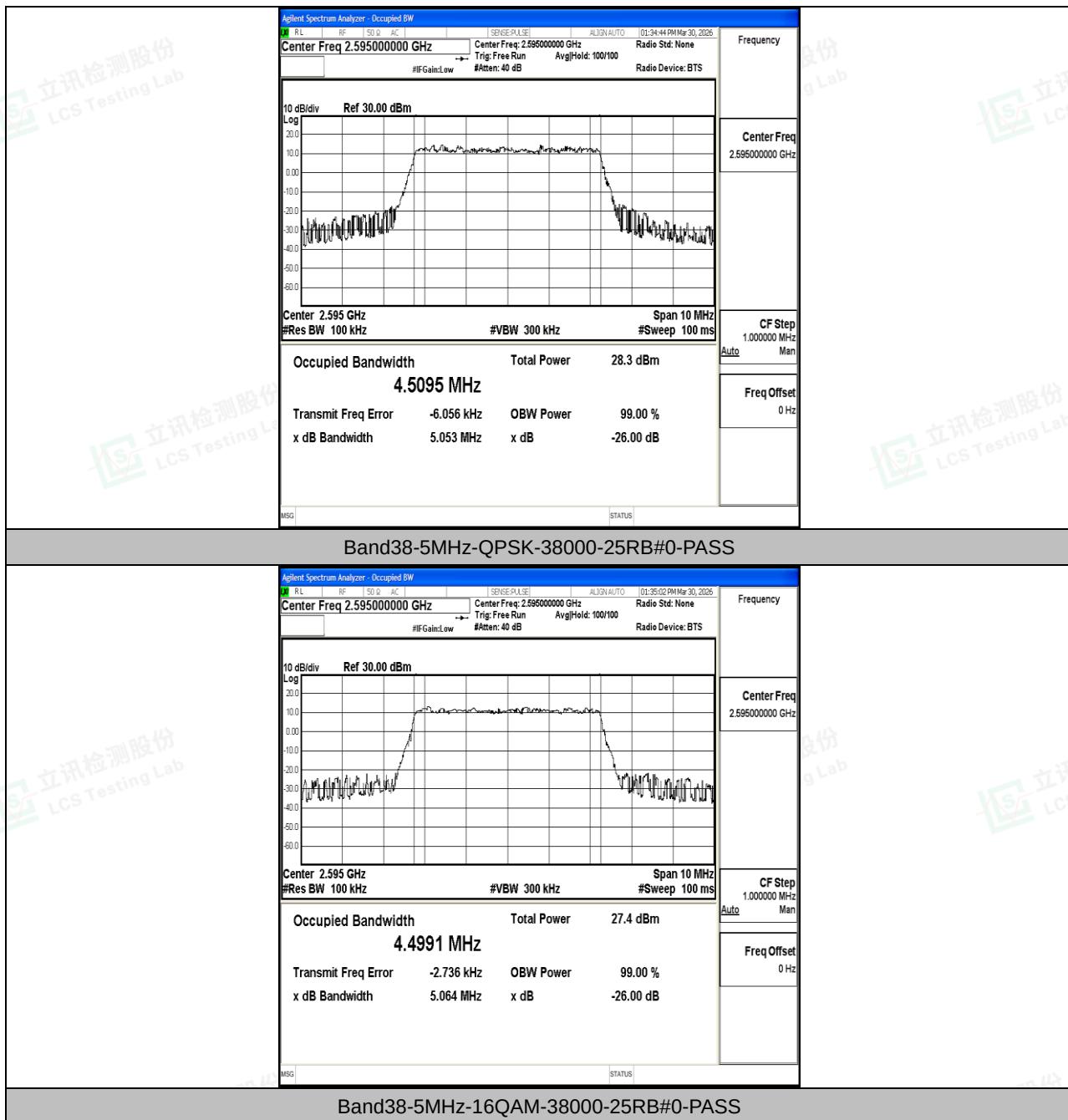


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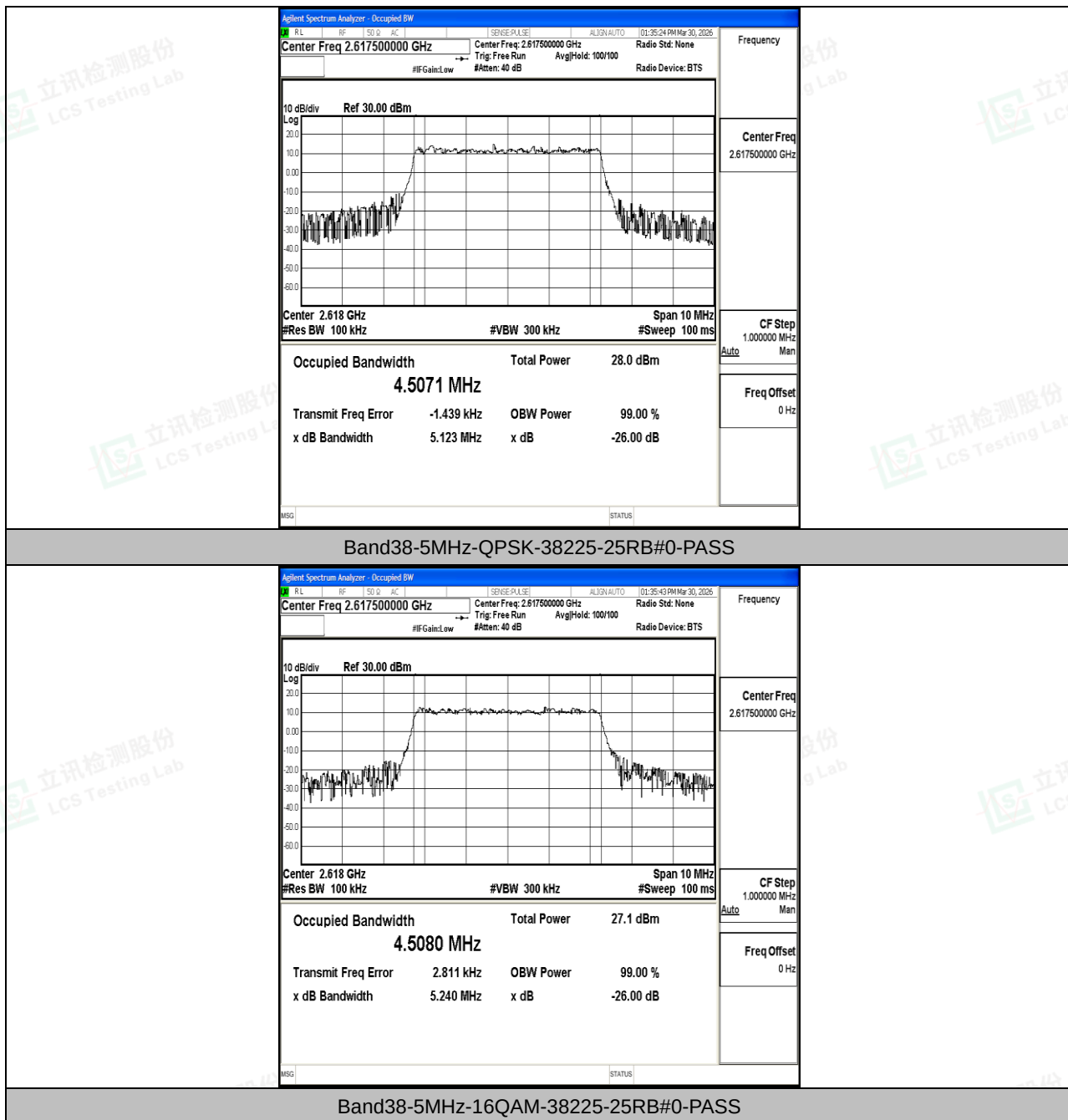


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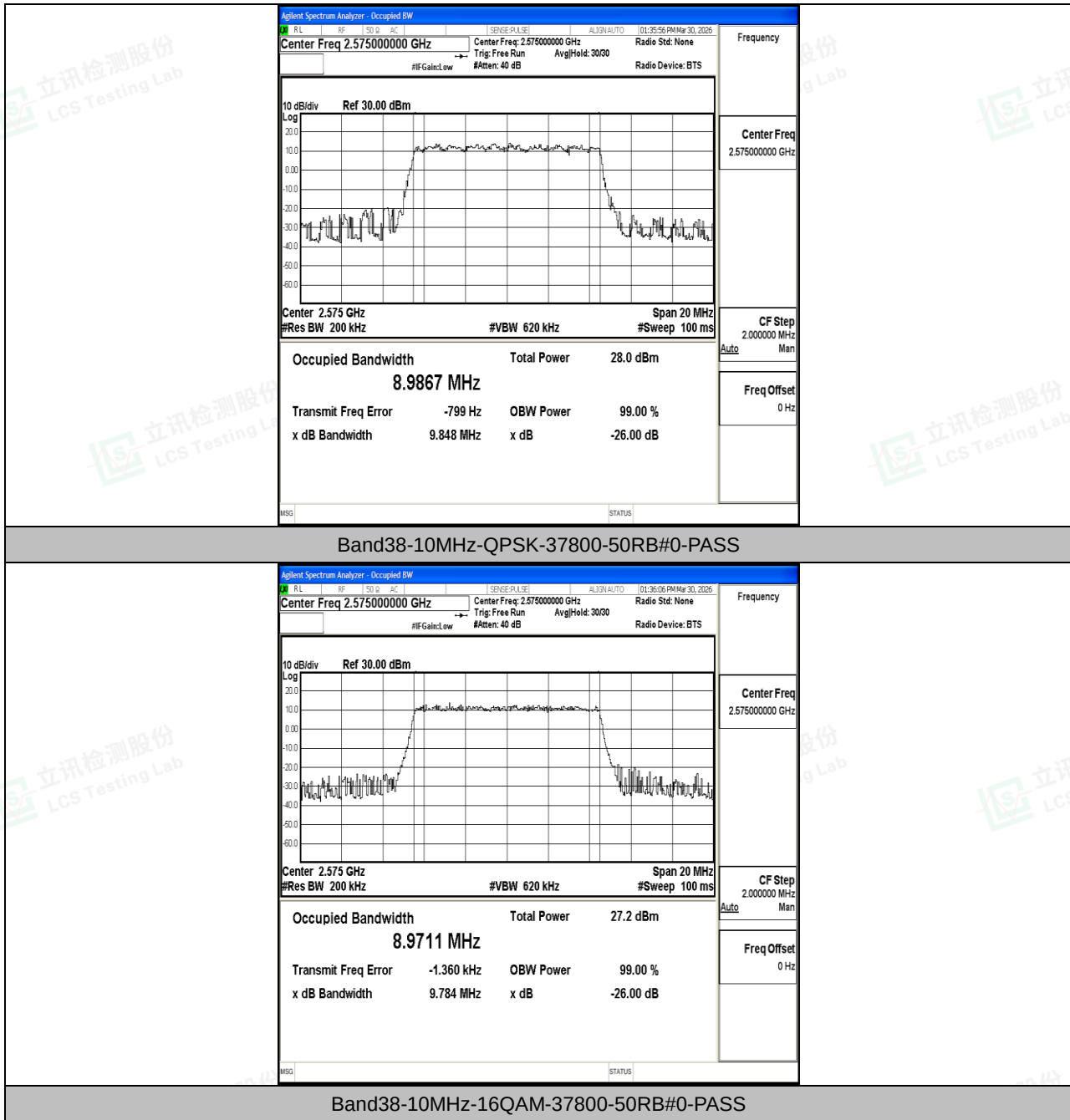


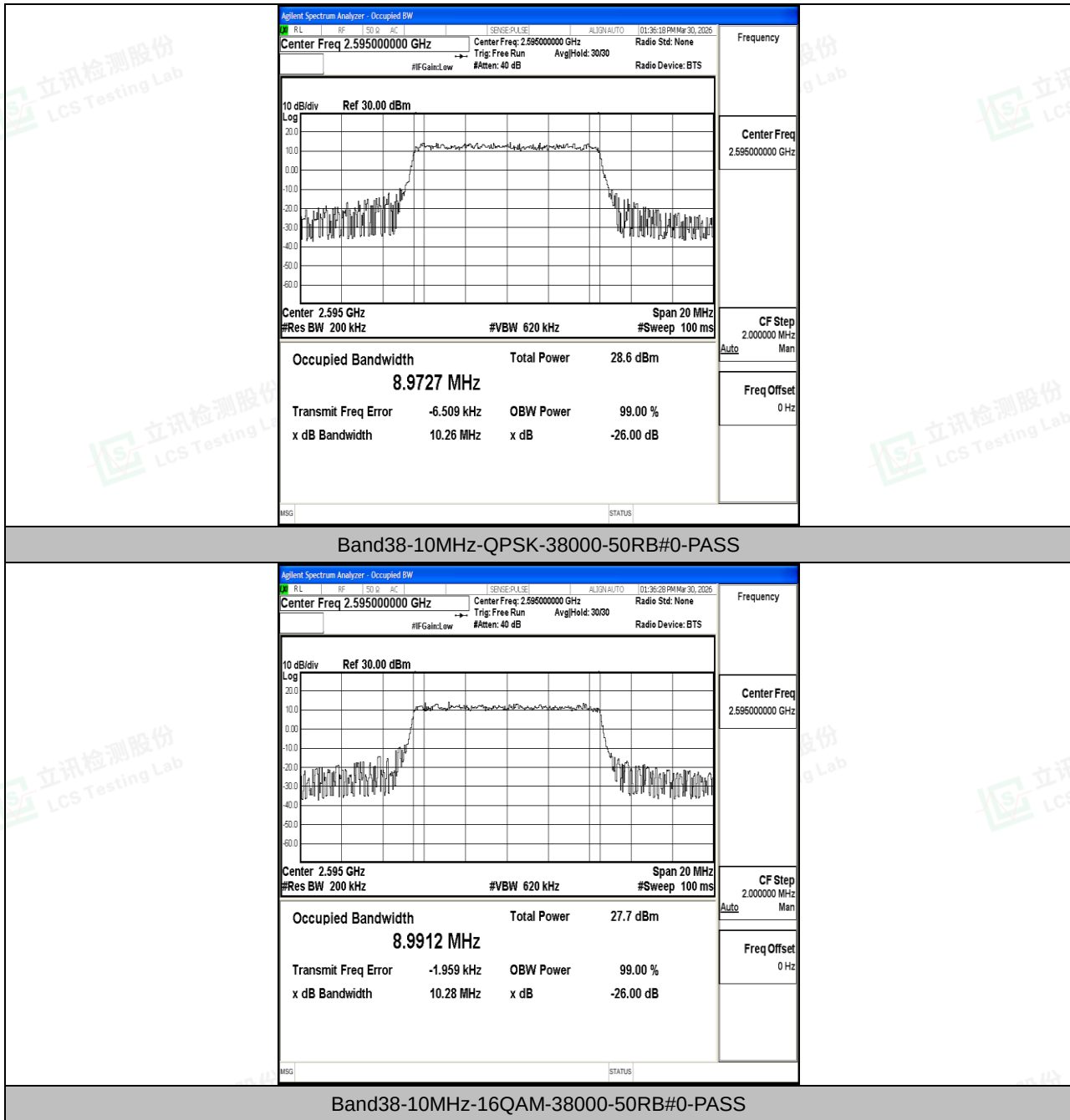
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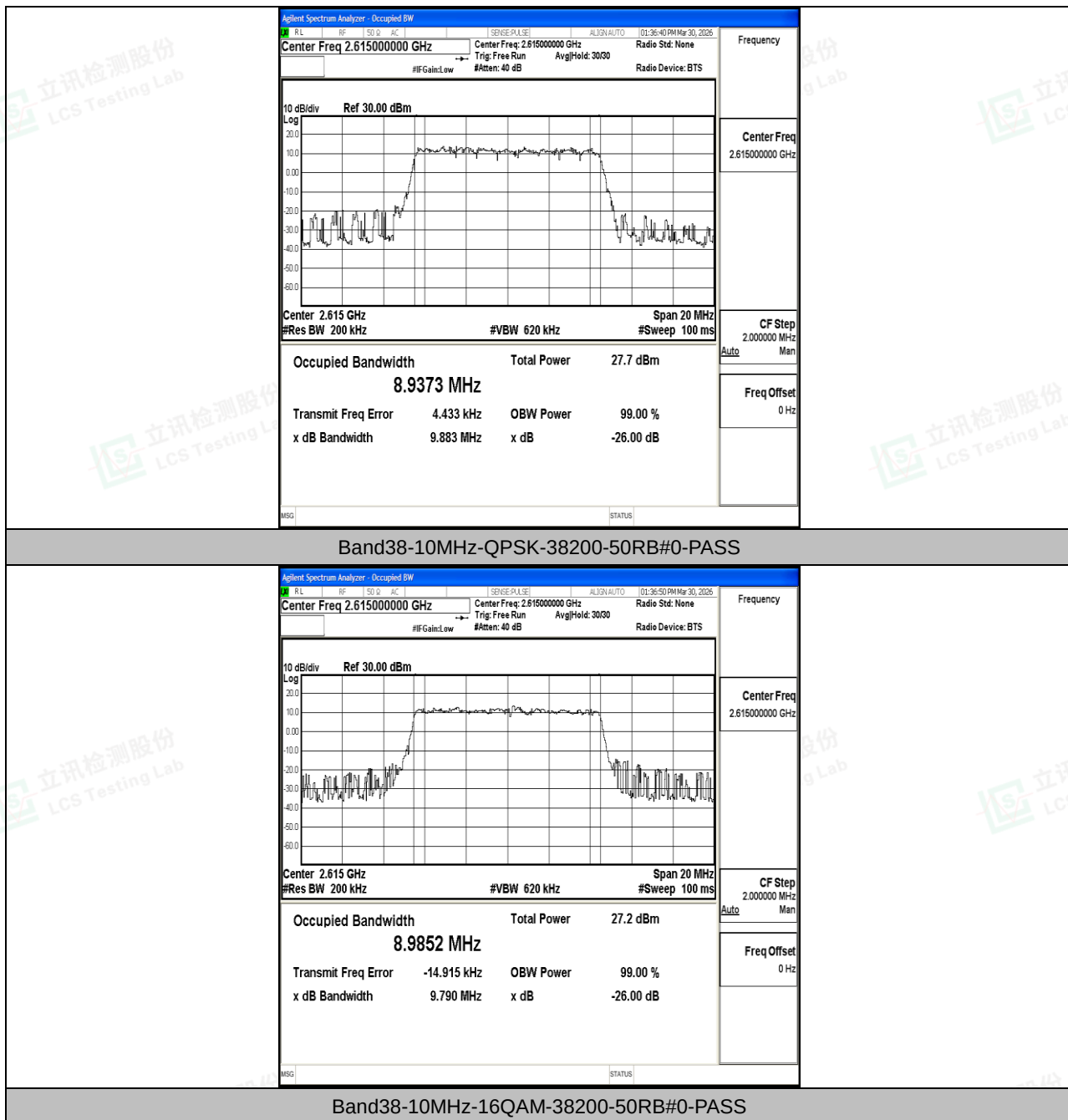


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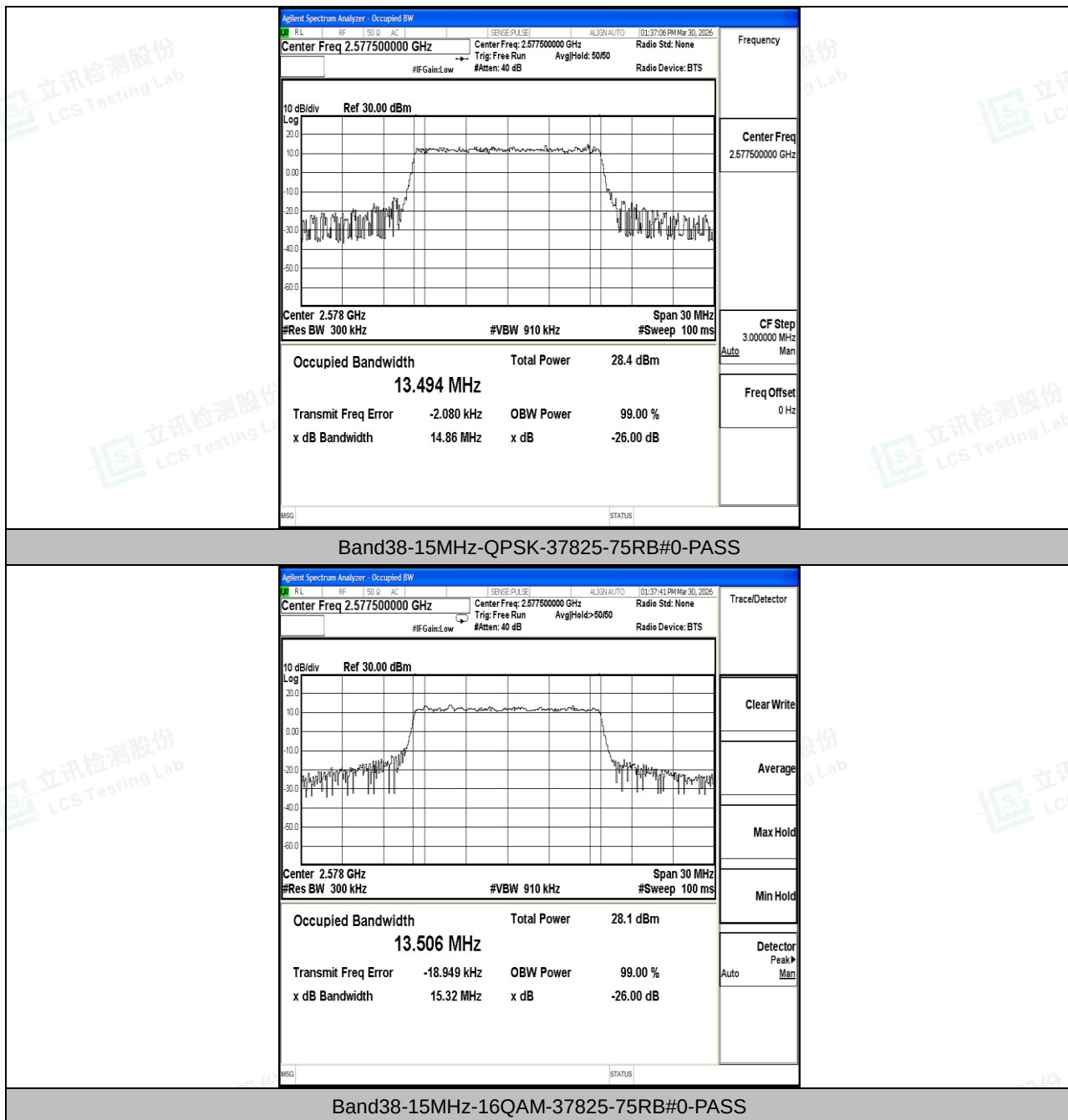


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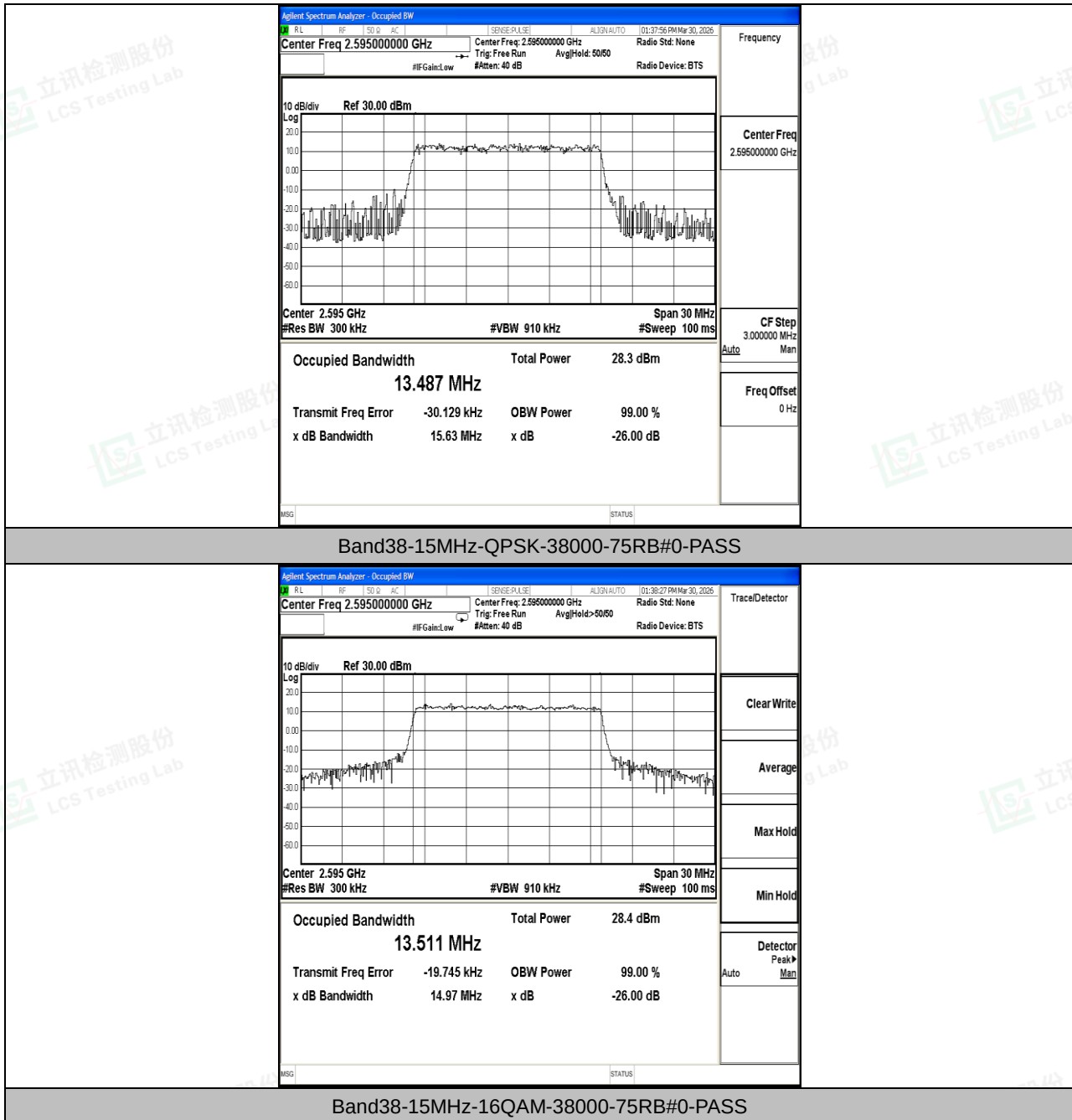


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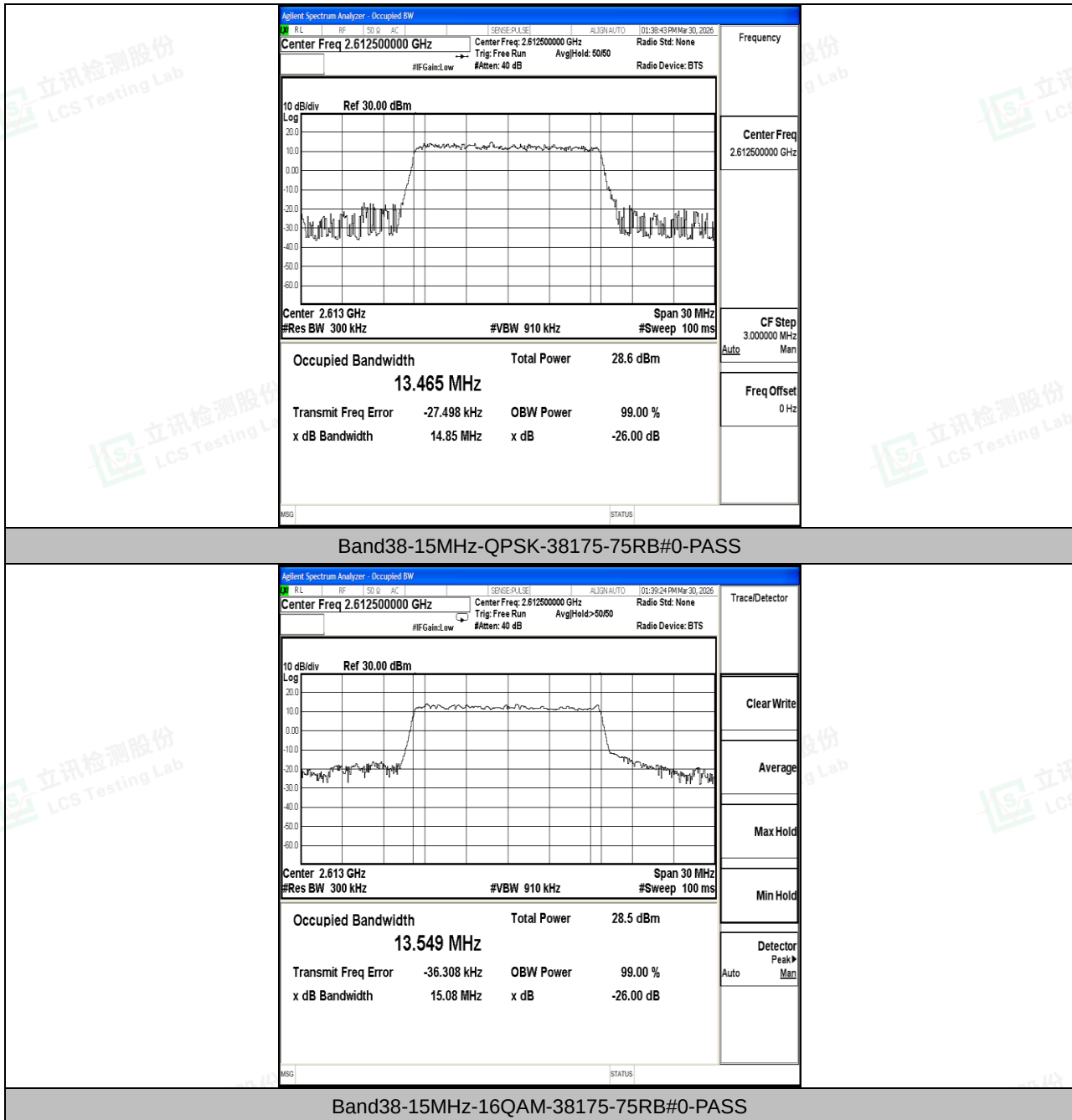


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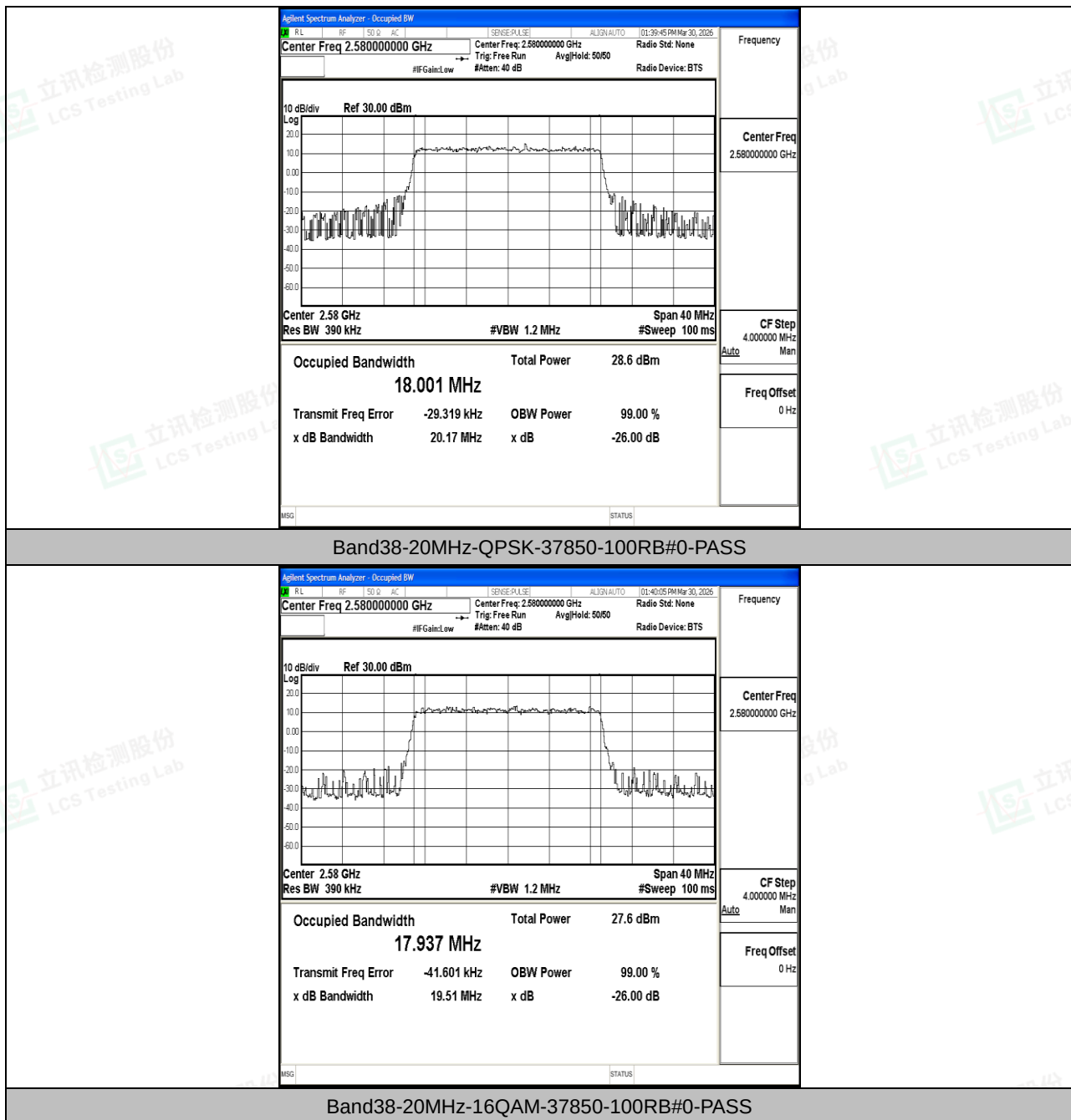


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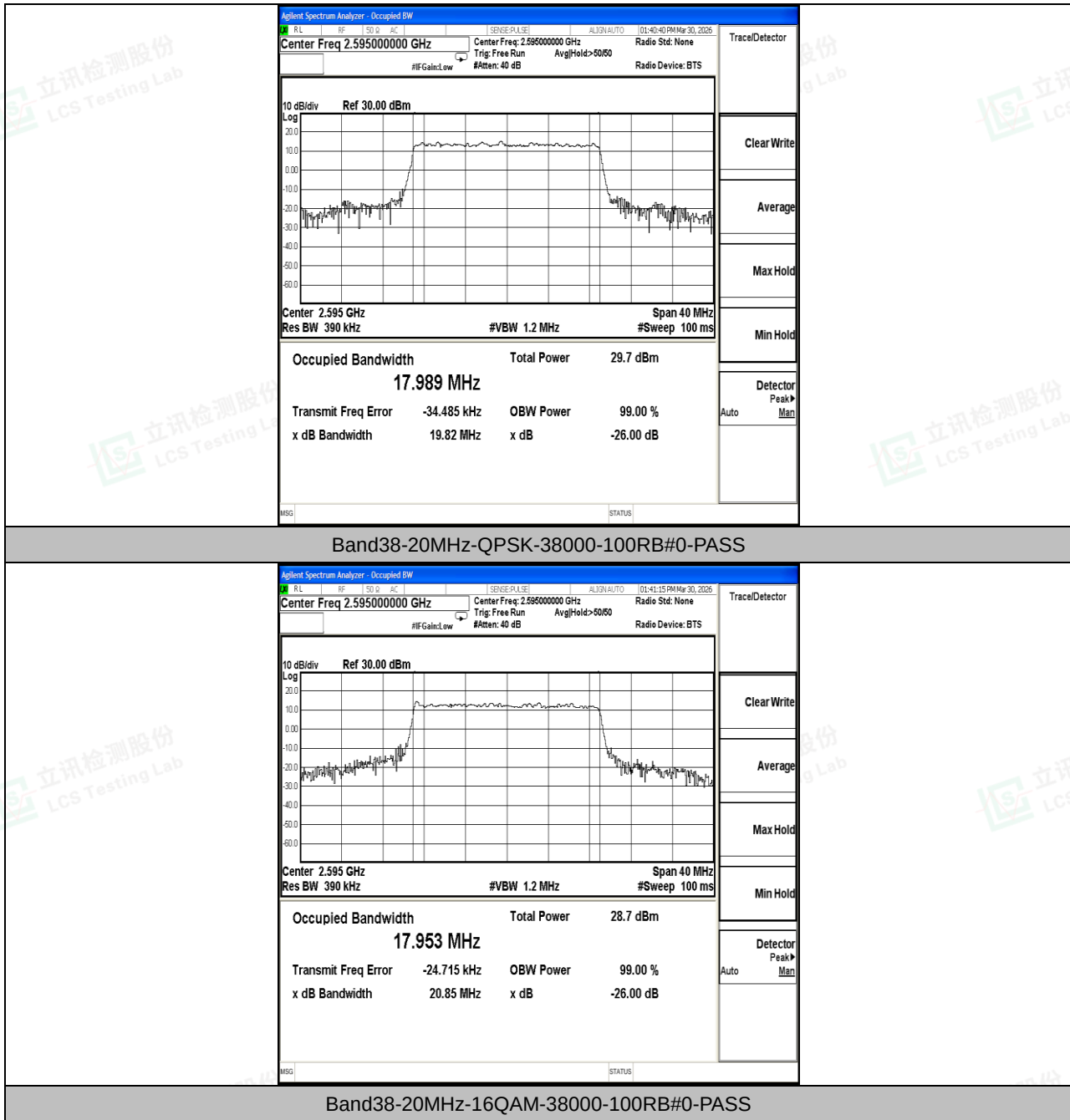


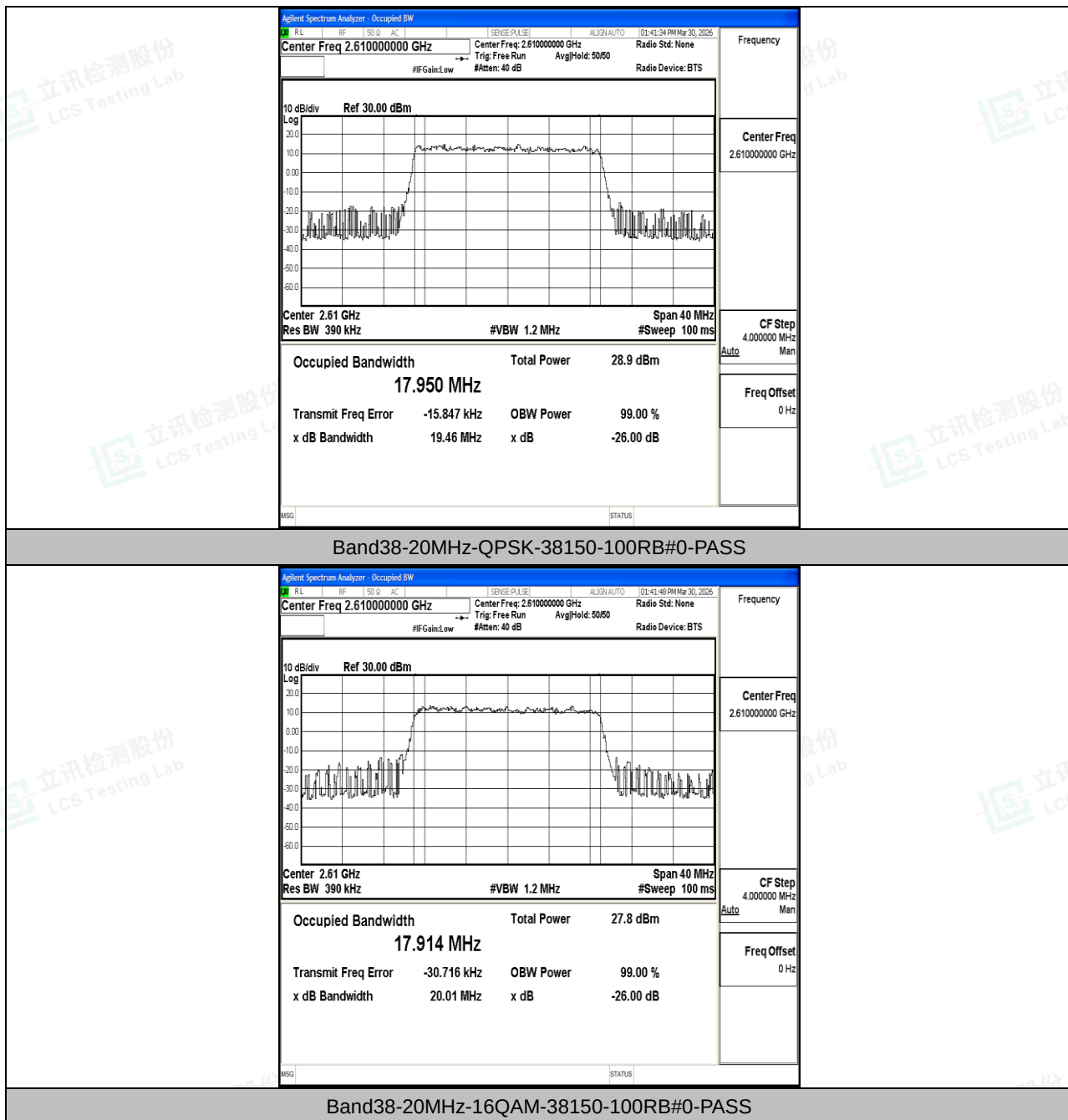
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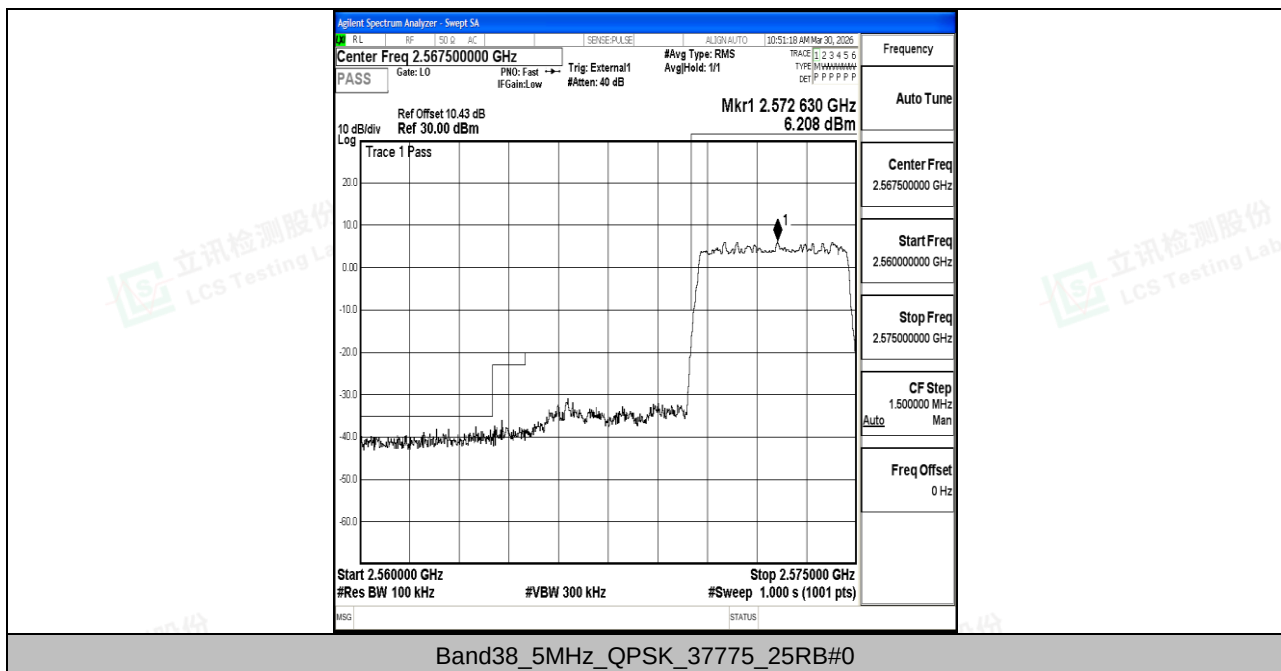


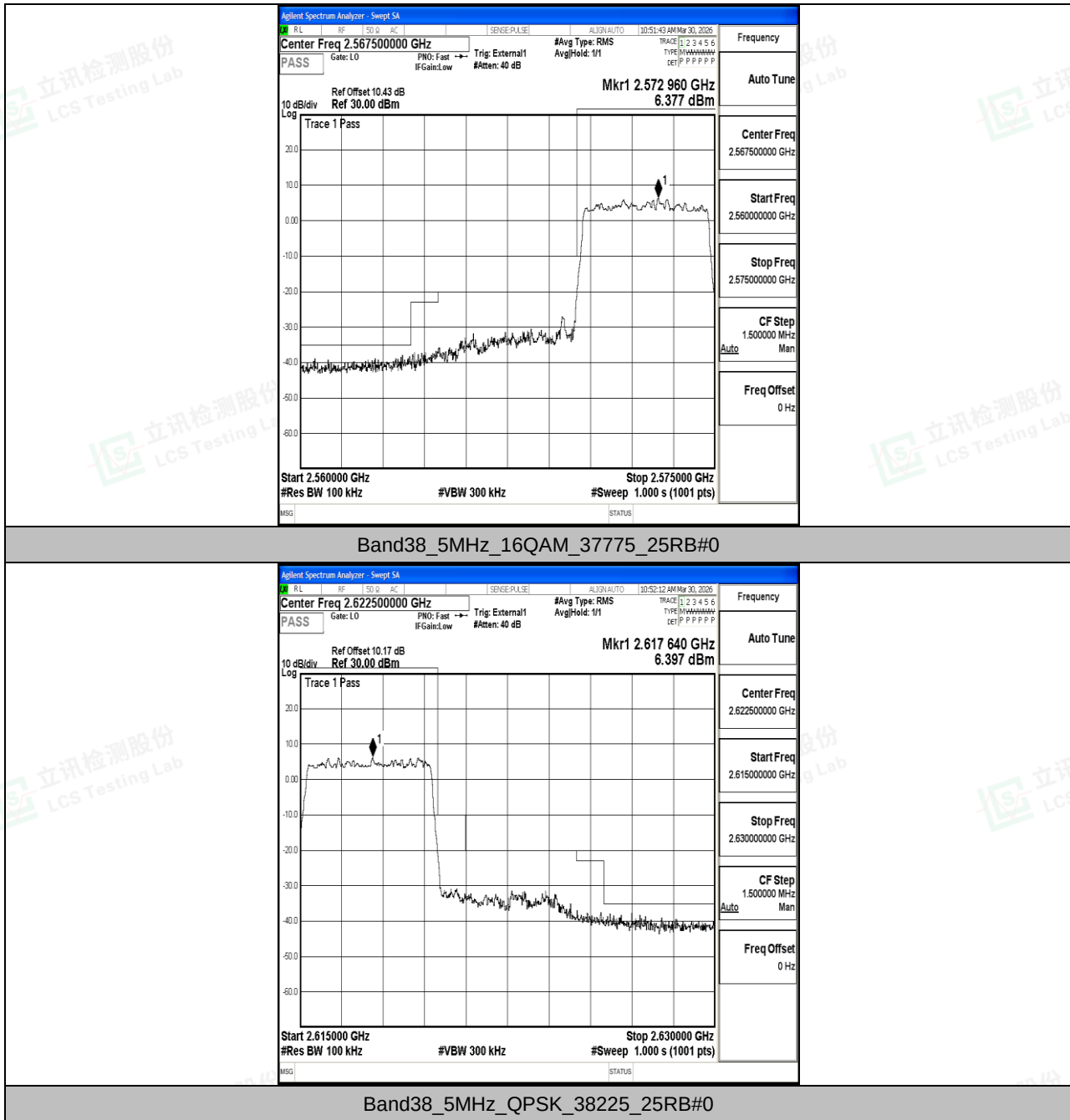
J.4 Band Edge

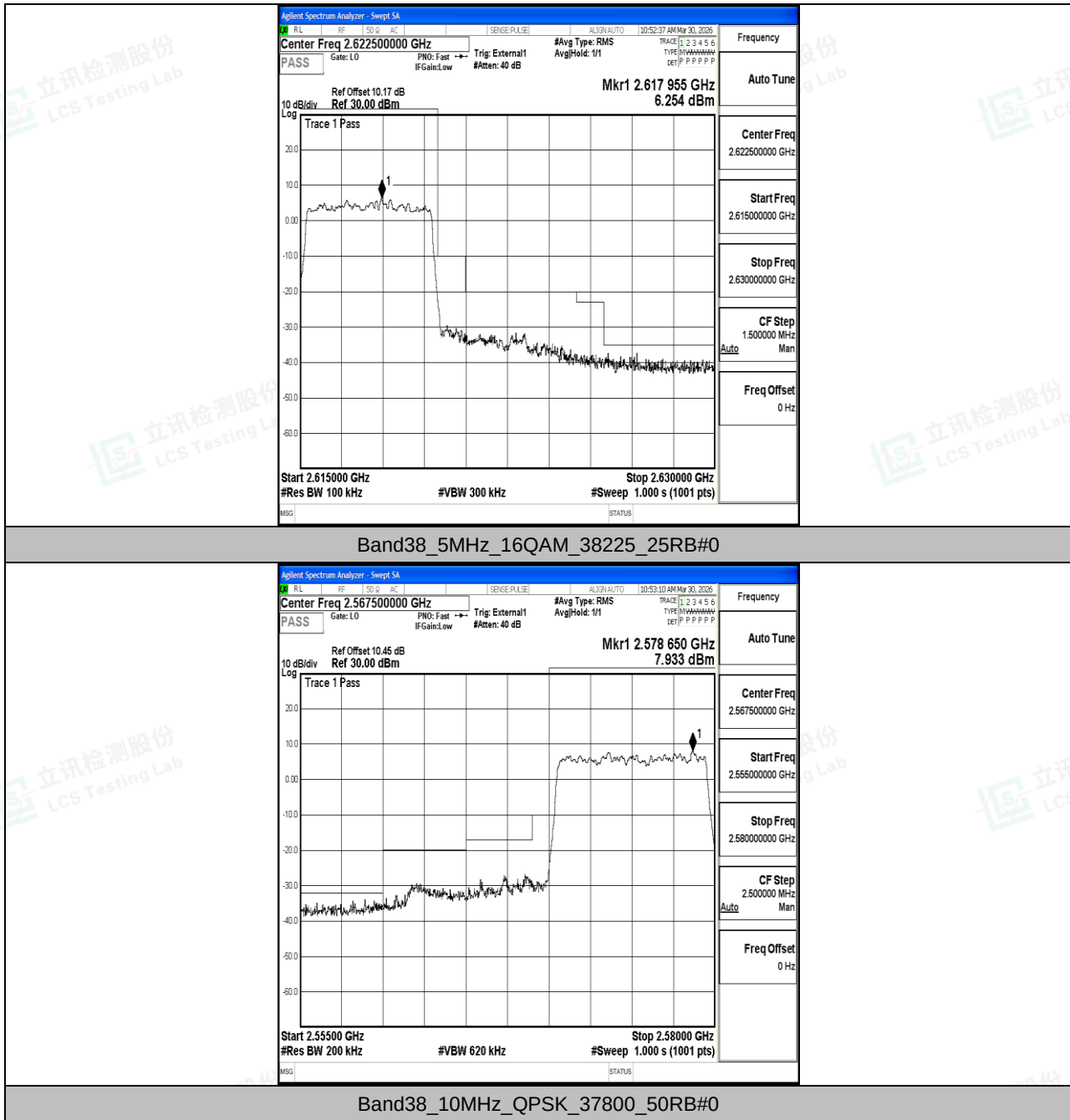
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Peak Frequency	Result(dBm)	Verdict
Band38	5MHz	QPSK	37775	25RB#0	2563.51	-37.61	PASS
Band38	5MHz	16QAM	37775	25RB#0	2563.71	-37.96	PASS
Band38	5MHz	QPSK	38225	25RB#0	2627.00	-37.74	PASS
Band38	5MHz	16QAM	38225	25RB#0	2626.15	-37.37	PASS
Band38	10MHz	QPSK	37800	50RB#0	2558.93	-33.98	PASS
Band38	10MHz	16QAM	37800	50RB#0	2558.43	-34.38	PASS
Band38	10MHz	QPSK	38200	50RB#0	2630.65	-33.31	PASS
Band38	10MHz	16QAM	38200	50RB#0	2630.35	-33.96	PASS
Band38	15MHz	QPSK	37825	75RB#0	2554.76	-32.47	PASS
Band38	15MHz	16QAM	37825	75RB#0	2552.87	-31.02	PASS
Band38	15MHz	QPSK	38175	75RB#0	2637.24	-33.19	PASS
Band38	15MHz	16QAM	38175	75RB#0	2635.14	-32.15	PASS
Band38	20MHz	QPSK	37850	100RB#0	2549.55	-32.02	PASS
Band38	20MHz	16QAM	37850	100RB#0	2546.76	-31.22	PASS
Band38	20MHz	QPSK	38150	100RB#0	2642.66	-32.29	PASS
Band38	20MHz	16QAM	38150	100RB#0	2640.32	-31.87	PASS

Test Graphs





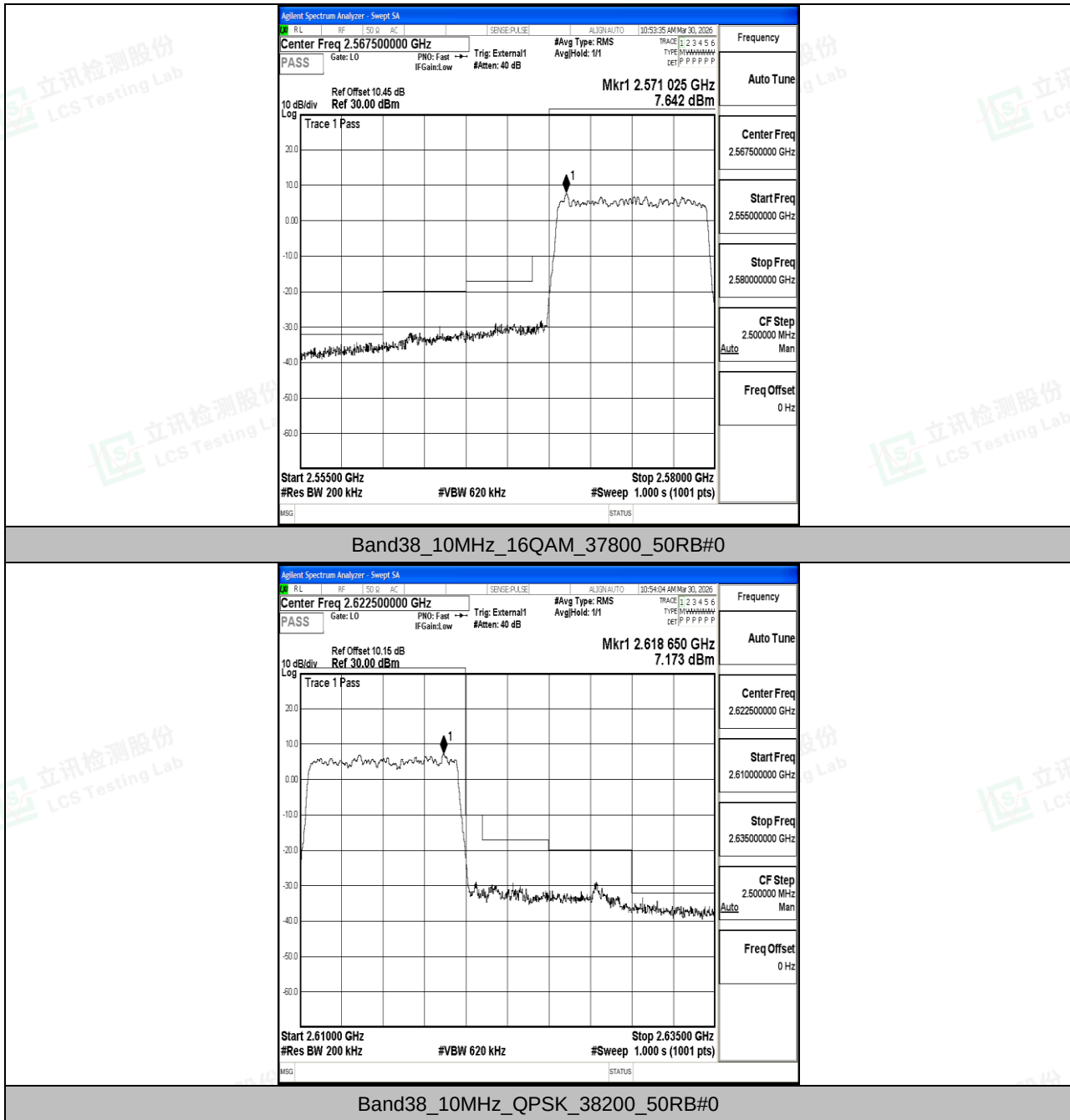


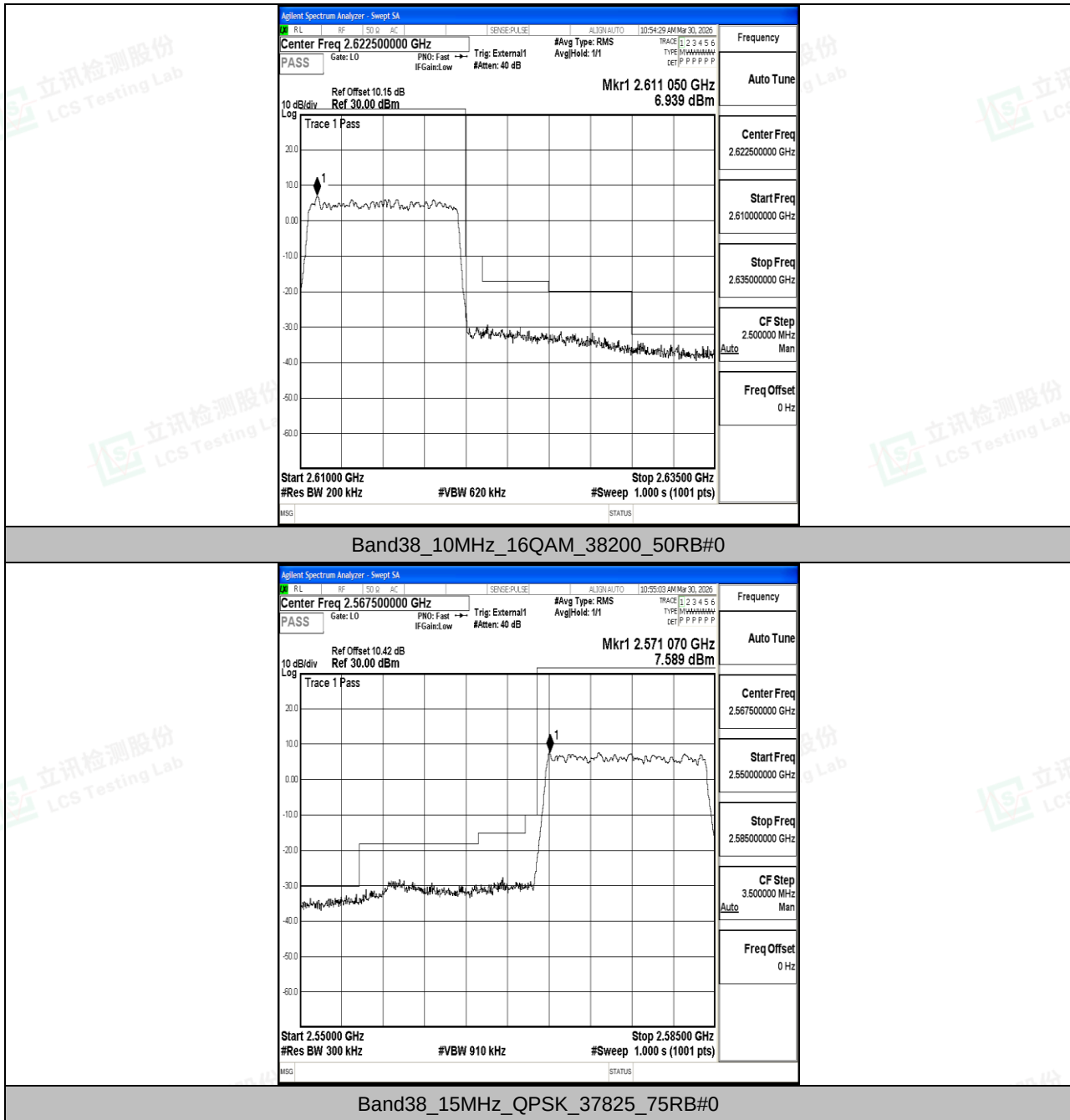
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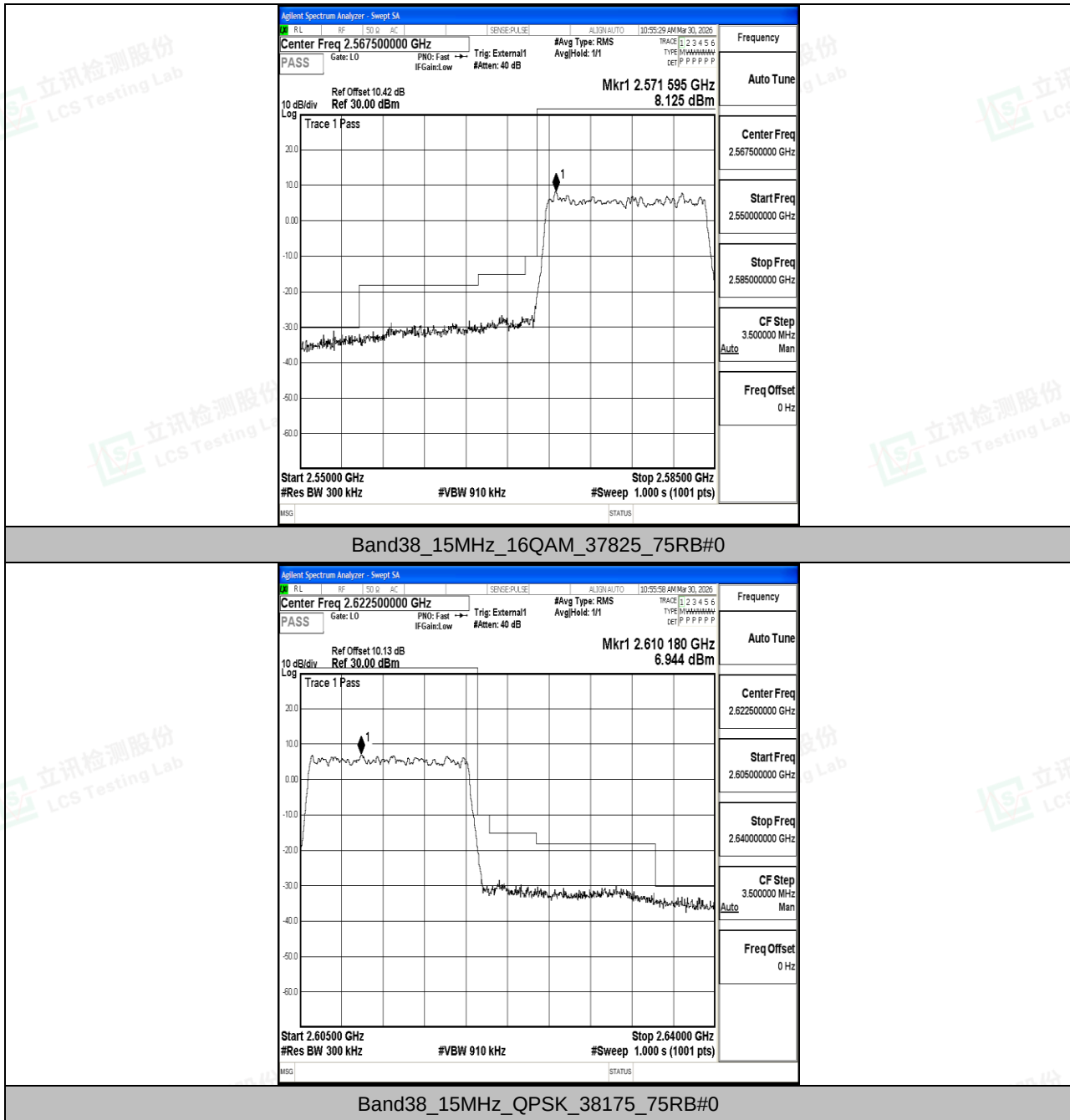
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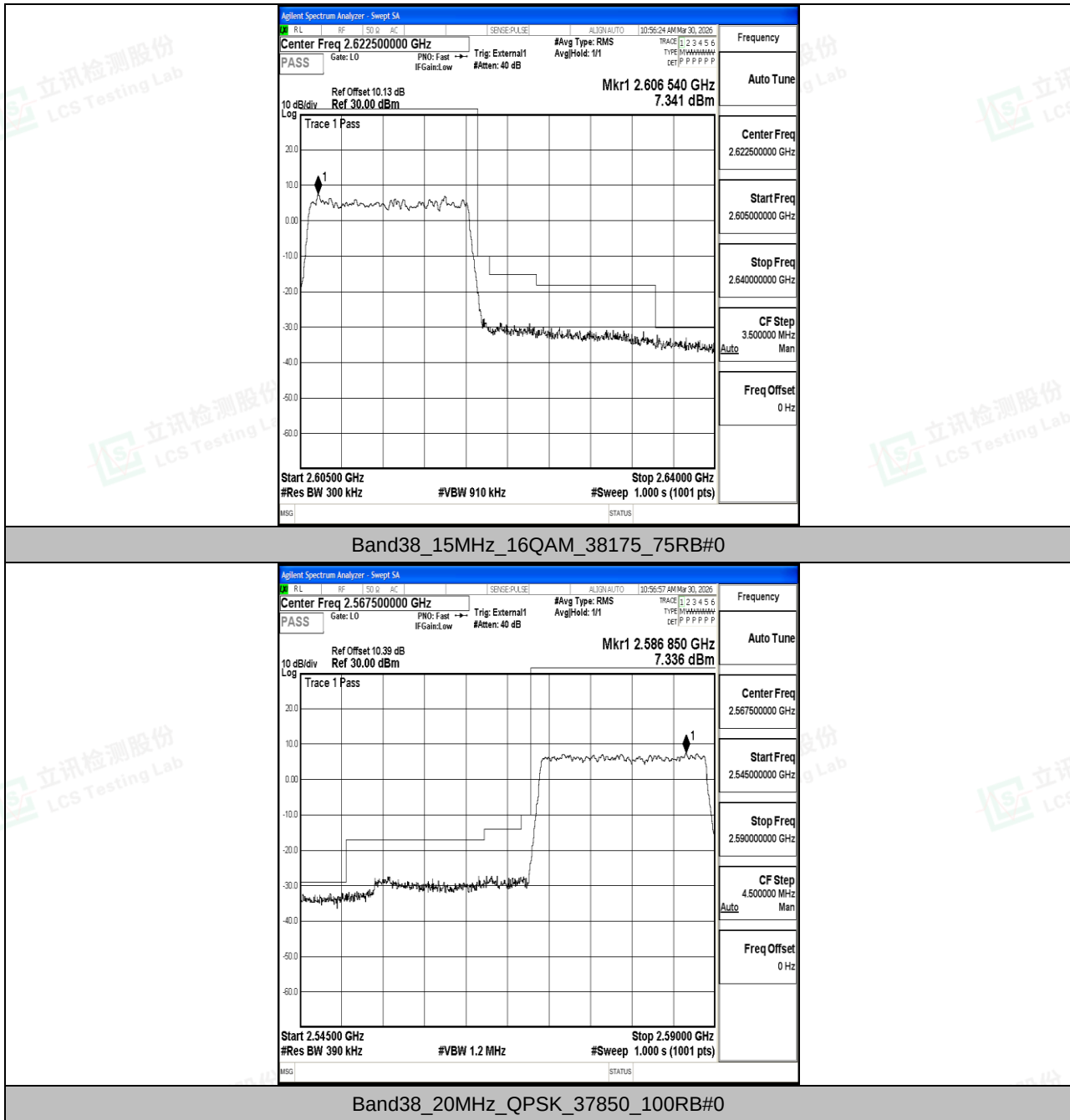
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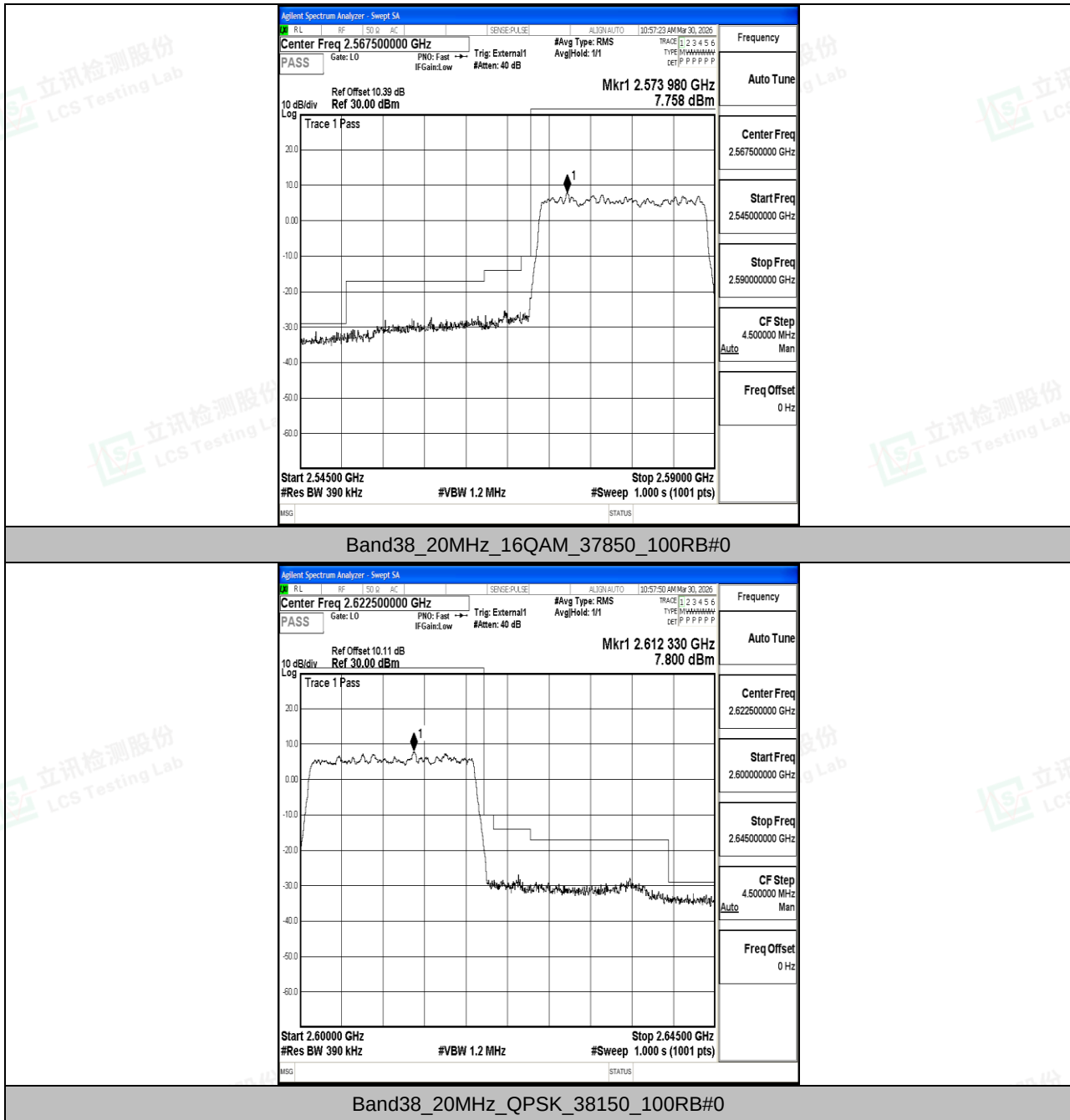


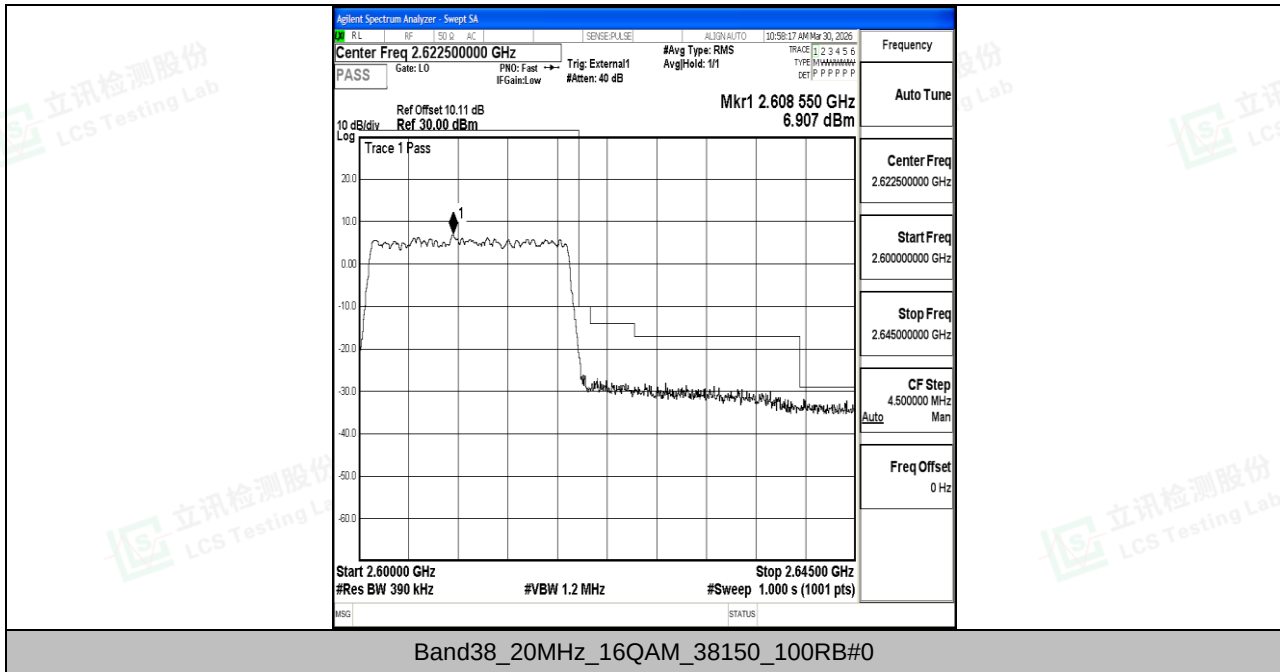
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J.5 Conducted Spurious Emission

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band38	5MHz	QPSK	37775	1RB#0	0.009~0.15	-62.46	PASS
Band38	5MHz	QPSK	37775	1RB#0	0.15~30	-53.89	PASS
Band38	5MHz	QPSK	37775	1RB#0	30~1000	-51.00	PASS
Band38	5MHz	QPSK	37775	1RB#0	1000~20000	-26.80	PASS
Band38	5MHz	QPSK	37775	1RB#0	20000~27000	-34.35	PASS
Band38	5MHz	16QAM	37775	1RB#0	0.009~0.15	-64.03	PASS
Band38	5MHz	16QAM	37775	1RB#0	0.15~30	-51.87	PASS
Band38	5MHz	16QAM	37775	1RB#0	30~1000	-51.18	PASS
Band38	5MHz	16QAM	37775	1RB#0	1000~20000	-26.80	PASS
Band38	5MHz	16QAM	37775	1RB#0	20000~27000	-34.89	PASS
Band38	5MHz	QPSK	38000	1RB#0	0.009~0.15	-64.14	PASS
Band38	5MHz	QPSK	38000	1RB#0	0.15~30	-53.29	PASS
Band38	5MHz	QPSK	38000	1RB#0	30~1000	-51.15	PASS
Band38	5MHz	QPSK	38000	1RB#0	1000~20000	-26.69	PASS
Band38	5MHz	QPSK	38000	1RB#0	20000~27000	-33.97	PASS
Band38	5MHz	16QAM	38000	1RB#0	0.009~0.15	-62.69	PASS
Band38	5MHz	16QAM	38000	1RB#0	0.15~30	-52.50	PASS
Band38	5MHz	16QAM	38000	1RB#0	30~1000	-51.46	PASS
Band38	5MHz	16QAM	38000	1RB#0	1000~20000	-27.20	PASS
Band38	5MHz	16QAM	38000	1RB#0	20000~27000	-34.01	PASS
Band38	5MHz	QPSK	38225	1RB#0	0.009~0.15	-63.27	PASS
Band38	5MHz	QPSK	38225	1RB#0	0.15~30	-52.62	PASS
Band38	5MHz	QPSK	38225	1RB#0	30~1000	-51.77	PASS
Band38	5MHz	QPSK	38225	1RB#0	1000~20000	-27.24	PASS
Band38	5MHz	QPSK	38225	1RB#0	20000~27000	-34.11	PASS
Band38	5MHz	16QAM	38225	1RB#0	0.009~0.15	-64.14	PASS
Band38	5MHz	16QAM	38225	1RB#0	0.15~30	-54.17	PASS
Band38	5MHz	16QAM	38225	1RB#0	30~1000	-51.73	PASS
Band38	5MHz	16QAM	38225	1RB#0	1000~20000	-26.74	PASS
Band38	5MHz	16QAM	38225	1RB#0	20000~27000	-34.60	PASS
Band38	10MHz	QPSK	37800	1RB#0	0.009~0.15	-63.69	PASS
Band38	10MHz	QPSK	37800	1RB#0	0.15~30	-51.63	PASS
Band38	10MHz	QPSK	37800	1RB#0	30~1000	-51.08	PASS
Band38	10MHz	QPSK	37800	1RB#0	1000~20000	-26.96	PASS
Band38	10MHz	QPSK	37800	1RB#0	20000~27000	-33.56	PASS
Band38	10MHz	16QAM	37800	1RB#0	0.009~0.15	-62.68	PASS



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Band38	10MHz	16QAM	37800	1RB#0	0.15~30	-51.53	PASS
Band38	10MHz	16QAM	37800	1RB#0	30~1000	-51.81	PASS
Band38	10MHz	16QAM	37800	1RB#0	1000~20000	-26.57	PASS
Band38	10MHz	16QAM	37800	1RB#0	20000~27000	-34.61	PASS
Band38	10MHz	QPSK	38000	1RB#0	0.009~0.15	-63.76	PASS
Band38	10MHz	QPSK	38000	1RB#0	0.15~30	-52.76	PASS
Band38	10MHz	QPSK	38000	1RB#0	30~1000	-50.98	PASS
Band38	10MHz	QPSK	38000	1RB#0	1000~20000	-27.02	PASS
Band38	10MHz	QPSK	38000	1RB#0	20000~27000	-34.73	PASS
Band38	10MHz	16QAM	38000	1RB#0	0.009~0.15	-64.92	PASS
Band38	10MHz	16QAM	38000	1RB#0	0.15~30	-50.60	PASS
Band38	10MHz	16QAM	38000	1RB#0	30~1000	-51.20	PASS
Band38	10MHz	16QAM	38000	1RB#0	1000~20000	-25.41	PASS
Band38	10MHz	16QAM	38000	1RB#0	20000~27000	-34.56	PASS
Band38	10MHz	QPSK	38200	1RB#0	0.009~0.15	-62.61	PASS
Band38	10MHz	QPSK	38200	1RB#0	0.15~30	-54.07	PASS
Band38	10MHz	QPSK	38200	1RB#0	30~1000	-51.87	PASS
Band38	10MHz	QPSK	38200	1RB#0	1000~20000	-27.44	PASS
Band38	10MHz	QPSK	38200	1RB#0	20000~27000	-34.21	PASS
Band38	10MHz	16QAM	38200	1RB#0	0.009~0.15	-64.20	PASS
Band38	10MHz	16QAM	38200	1RB#0	0.15~30	-52.79	PASS
Band38	10MHz	16QAM	38200	1RB#0	30~1000	-51.52	PASS
Band38	10MHz	16QAM	38200	1RB#0	1000~20000	-26.44	PASS
Band38	10MHz	16QAM	38200	1RB#0	20000~27000	-35.10	PASS
Band38	15MHz	QPSK	37825	1RB#0	0.009~0.15	-65.34	PASS
Band38	15MHz	QPSK	37825	1RB#0	0.15~30	-51.69	PASS
Band38	15MHz	QPSK	37825	1RB#0	30~1000	-51.46	PASS
Band38	15MHz	QPSK	37825	1RB#0	1000~20000	-27.13	PASS
Band38	15MHz	QPSK	37825	1RB#0	20000~27000	-34.41	PASS
Band38	15MHz	16QAM	37825	1RB#0	0.009~0.15	-63.20	PASS
Band38	15MHz	16QAM	37825	1RB#0	0.15~30	-49.87	PASS
Band38	15MHz	16QAM	37825	1RB#0	30~1000	-51.22	PASS
Band38	15MHz	16QAM	37825	1RB#0	1000~20000	-26.65	PASS
Band38	15MHz	16QAM	37825	1RB#0	20000~27000	-34.08	PASS
Band38	15MHz	QPSK	38000	1RB#0	0.009~0.15	-63.95	PASS
Band38	15MHz	QPSK	38000	1RB#0	0.15~30	-52.57	PASS
Band38	15MHz	QPSK	38000	1RB#0	30~1000	-50.62	PASS
Band38	15MHz	QPSK	38000	1RB#0	1000~20000	-26.56	PASS
Band38	15MHz	QPSK	38000	1RB#0	20000~27000	-34.89	PASS
Band38	15MHz	16QAM	38000	1RB#0	0.009~0.15	-65.65	PASS
Band38	15MHz	16QAM	38000	1RB#0	0.15~30	-53.43	PASS
Band38	15MHz	16QAM	38000	1RB#0	30~1000	-51.42	PASS



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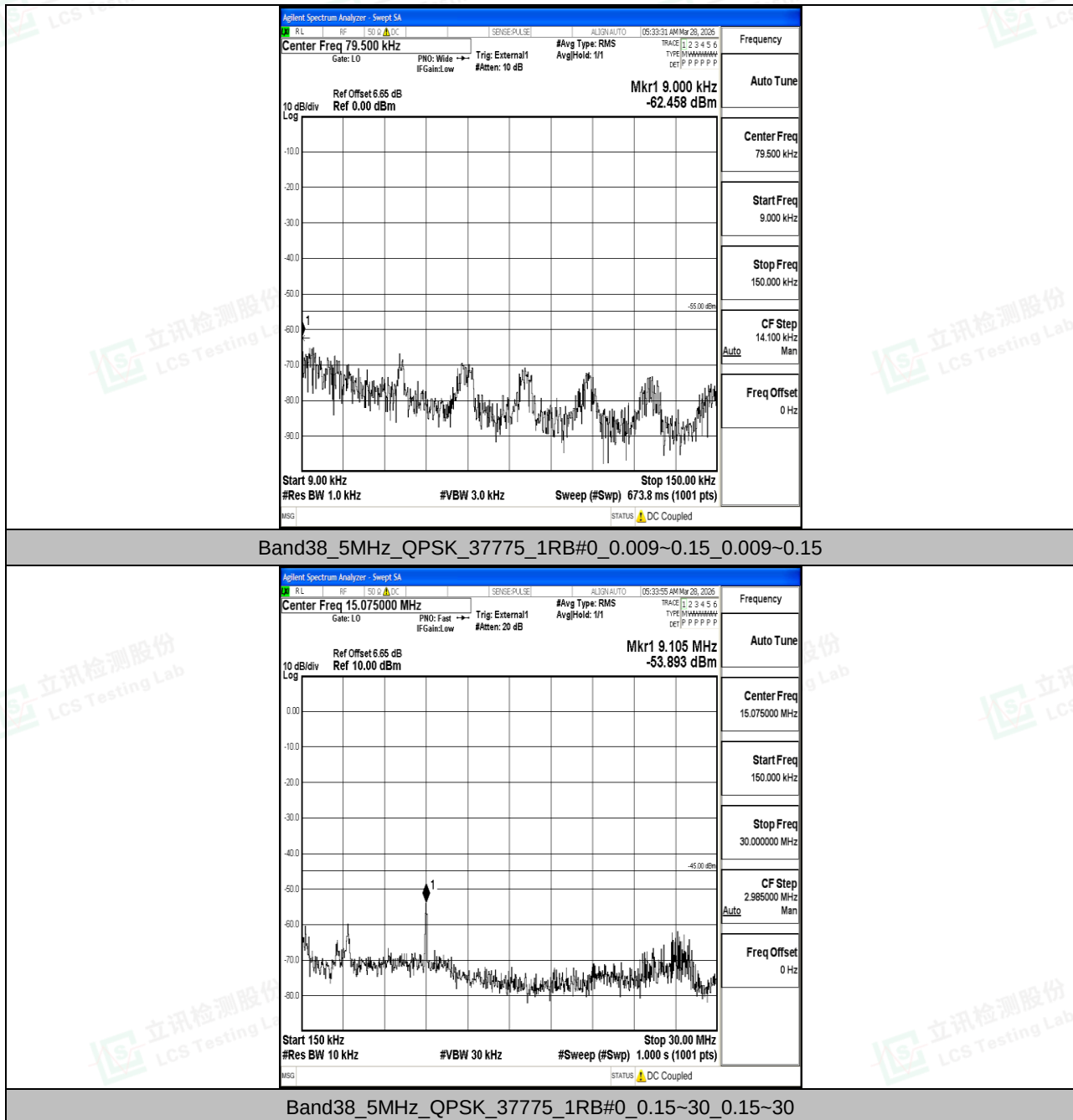


Band38	15MHz	16QAM	38000	1RB#0	1000~20000	-27.20	PASS
Band38	15MHz	16QAM	38000	1RB#0	20000~27000	-34.75	PASS
Band38	15MHz	QPSK	38175	1RB#0	0.009~0.15	-63.11	PASS
Band38	15MHz	QPSK	38175	1RB#0	0.15~30	-50.37	PASS
Band38	15MHz	QPSK	38175	1RB#0	30~1000	-51.55	PASS
Band38	15MHz	QPSK	38175	1RB#0	1000~20000	-27.16	PASS
Band38	15MHz	QPSK	38175	1RB#0	20000~27000	-33.66	PASS
Band38	15MHz	16QAM	38175	1RB#0	0.009~0.15	-64.23	PASS
Band38	15MHz	16QAM	38175	1RB#0	0.15~30	-54.59	PASS
Band38	15MHz	16QAM	38175	1RB#0	30~1000	-51.45	PASS
Band38	15MHz	16QAM	38175	1RB#0	1000~20000	-27.42	PASS
Band38	15MHz	16QAM	38175	1RB#0	20000~27000	-34.36	PASS
Band38	20MHz	QPSK	37850	1RB#0	0.009~0.15	-65.28	PASS
Band38	20MHz	QPSK	37850	1RB#0	0.15~30	-53.60	PASS
Band38	20MHz	QPSK	37850	1RB#0	30~1000	-51.51	PASS
Band38	20MHz	QPSK	37850	1RB#0	1000~20000	-26.87	PASS
Band38	20MHz	QPSK	37850	1RB#0	20000~27000	-34.99	PASS
Band38	20MHz	16QAM	37850	1RB#0	0.009~0.15	-63.66	PASS
Band38	20MHz	16QAM	37850	1RB#0	0.15~30	-54.67	PASS
Band38	20MHz	16QAM	37850	1RB#0	30~1000	-51.20	PASS
Band38	20MHz	16QAM	37850	1RB#0	1000~20000	-27.24	PASS
Band38	20MHz	16QAM	37850	1RB#0	20000~27000	-34.40	PASS
Band38	20MHz	QPSK	38000	1RB#0	0.009~0.15	-63.93	PASS
Band38	20MHz	QPSK	38000	1RB#0	0.15~30	-50.61	PASS
Band38	20MHz	QPSK	38000	1RB#0	30~1000	-50.79	PASS
Band38	20MHz	QPSK	38000	1RB#0	1000~20000	-27.12	PASS
Band38	20MHz	QPSK	38000	1RB#0	20000~27000	-35.16	PASS
Band38	20MHz	16QAM	38000	1RB#0	0.009~0.15	-62.28	PASS
Band38	20MHz	16QAM	38000	1RB#0	0.15~30	-51.65	PASS
Band38	20MHz	16QAM	38000	1RB#0	30~1000	-51.76	PASS
Band38	20MHz	16QAM	38000	1RB#0	1000~20000	-27.04	PASS
Band38	20MHz	16QAM	38000	1RB#0	20000~27000	-34.46	PASS
Band38	20MHz	QPSK	38150	1RB#0	0.009~0.15	-64.68	PASS
Band38	20MHz	QPSK	38150	1RB#0	0.15~30	-56.36	PASS
Band38	20MHz	QPSK	38150	1RB#0	30~1000	-51.04	PASS
Band38	20MHz	QPSK	38150	1RB#0	1000~20000	-26.88	PASS
Band38	20MHz	QPSK	38150	1RB#0	20000~27000	-34.86	PASS
Band38	20MHz	16QAM	38150	1RB#0	0.009~0.15	-64.60	PASS
Band38	20MHz	16QAM	38150	1RB#0	0.15~30	-52.41	PASS
Band38	20MHz	16QAM	38150	1RB#0	30~1000	-50.66	PASS
Band38	20MHz	16QAM	38150	1RB#0	1000~20000	-26.38	PASS
Band38	20MHz	16QAM	38150	1RB#0	20000~27000	-34.77	PASS





Test Graphs



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