



Appendix I: Test Data for E-UTRA Band 7

Product Name: Rugged Mobile Terminal

Test Model: R1000

Environmental Conditions

Temperature:	24.1°C
Relative Humidity:	53.5%
ATM Pressure:	100.0 kPa
Test Engineer:	Billy Yu
Supervised by:	Paddi Chen



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I.1 Conducted Output Power Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	21.76	PASS
Band7	5MHz	16QAM	20775	1RB#0	20.19	PASS
Band7	5MHz	QPSK	20775	1RB#12	21.72	PASS
Band7	5MHz	16QAM	20775	1RB#12	20.23	PASS
Band7	5MHz	QPSK	20775	1RB#24	21.73	PASS
Band7	5MHz	16QAM	20775	1RB#24	20.17	PASS
Band7	5MHz	QPSK	20775	12RB#0	20.80	PASS
Band7	5MHz	16QAM	20775	12RB#0	19.81	PASS
Band7	5MHz	QPSK	20775	12RB#6	20.67	PASS
Band7	5MHz	16QAM	20775	12RB#6	19.81	PASS
Band7	5MHz	QPSK	20775	12RB#13	20.78	PASS
Band7	5MHz	16QAM	20775	12RB#13	19.82	PASS
Band7	5MHz	QPSK	20775	25RB#0	20.72	PASS
Band7	5MHz	16QAM	20775	25RB#0	19.91	PASS
Band7	5MHz	QPSK	21100	1RB#0	21.81	PASS
Band7	5MHz	16QAM	21100	1RB#0	20.33	PASS
Band7	5MHz	QPSK	21100	1RB#12	21.67	PASS
Band7	5MHz	16QAM	21100	1RB#12	20.35	PASS
Band7	5MHz	QPSK	21100	1RB#24	21.65	PASS
Band7	5MHz	16QAM	21100	1RB#24	20.32	PASS
Band7	5MHz	QPSK	21100	12RB#0	20.70	PASS
Band7	5MHz	16QAM	21100	12RB#0	19.76	PASS
Band7	5MHz	QPSK	21100	12RB#6	20.73	PASS
Band7	5MHz	16QAM	21100	12RB#6	19.78	PASS
Band7	5MHz	QPSK	21100	12RB#13	20.57	PASS
Band7	5MHz	16QAM	21100	12RB#13	19.71	PASS
Band7	5MHz	QPSK	21100	25RB#0	20.66	PASS
Band7	5MHz	16QAM	21100	25RB#0	19.64	PASS
Band7	5MHz	QPSK	21425	1RB#0	21.86	PASS
Band7	5MHz	16QAM	21425	1RB#0	19.96	PASS
Band7	5MHz	QPSK	21425	1RB#12	21.90	PASS
Band7	5MHz	16QAM	21425	1RB#12	20.06	PASS
Band7	5MHz	QPSK	21425	1RB#24	21.92	PASS
Band7	5MHz	16QAM	21425	1RB#24	20.17	PASS
Band7	5MHz	QPSK	21425	12RB#0	20.72	PASS
Band7	5MHz	16QAM	21425	12RB#0	19.75	PASS



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Band7	5MHz	QPSK	21425	12RB#6	20.74	PASS
Band7	5MHz	16QAM	21425	12RB#6	19.78	PASS
Band7	5MHz	QPSK	21425	12RB#13	20.83	PASS
Band7	5MHz	16QAM	21425	12RB#13	19.82	PASS
Band7	5MHz	QPSK	21425	25RB#0	20.77	PASS
Band7	5MHz	16QAM	21425	25RB#0	19.96	PASS
Band7	10MHz	QPSK	20800	1RB#0	21.60	PASS
Band7	10MHz	16QAM	20800	1RB#0	20.77	PASS
Band7	10MHz	QPSK	20800	1RB#24	21.56	PASS
Band7	10MHz	16QAM	20800	1RB#24	20.79	PASS
Band7	10MHz	QPSK	20800	1RB#49	21.67	PASS
Band7	10MHz	16QAM	20800	1RB#49	20.87	PASS
Band7	10MHz	QPSK	20800	25RB#0	20.75	PASS
Band7	10MHz	16QAM	20800	25RB#0	19.81	PASS
Band7	10MHz	QPSK	20800	25RB#12	20.64	PASS
Band7	10MHz	16QAM	20800	25RB#12	19.76	PASS
Band7	10MHz	QPSK	20800	25RB#25	20.72	PASS
Band7	10MHz	16QAM	20800	25RB#25	19.99	PASS
Band7	10MHz	QPSK	20800	50RB#0	20.77	PASS
Band7	10MHz	16QAM	20800	50RB#0	19.75	PASS
Band7	10MHz	QPSK	21100	1RB#0	21.78	PASS
Band7	10MHz	16QAM	21100	1RB#0	20.09	PASS
Band7	10MHz	QPSK	21100	1RB#24	21.61	PASS
Band7	10MHz	16QAM	21100	1RB#24	19.96	PASS
Band7	10MHz	QPSK	21100	1RB#49	21.51	PASS
Band7	10MHz	16QAM	21100	1RB#49	19.87	PASS
Band7	10MHz	QPSK	21100	25RB#0	20.64	PASS
Band7	10MHz	16QAM	21100	25RB#0	19.88	PASS
Band7	10MHz	QPSK	21100	25RB#12	20.70	PASS
Band7	10MHz	16QAM	21100	25RB#12	19.89	PASS
Band7	10MHz	QPSK	21100	25RB#25	20.62	PASS
Band7	10MHz	16QAM	21100	25RB#25	19.79	PASS
Band7	10MHz	QPSK	21100	50RB#0	20.63	PASS
Band7	10MHz	16QAM	21100	50RB#0	19.72	PASS
Band7	10MHz	QPSK	21400	1RB#0	21.57	PASS
Band7	10MHz	16QAM	21400	1RB#0	20.32	PASS
Band7	10MHz	QPSK	21400	1RB#24	21.64	PASS
Band7	10MHz	16QAM	21400	1RB#24	20.39	PASS
Band7	10MHz	QPSK	21400	1RB#49	21.71	PASS
Band7	10MHz	16QAM	21400	1RB#49	20.44	PASS
Band7	10MHz	QPSK	21400	25RB#0	20.62	PASS



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Band7	10MHz	16QAM	21400	25RB#0	19.71	PASS
Band7	10MHz	QPSK	21400	25RB#12	20.65	PASS
Band7	10MHz	16QAM	21400	25RB#12	19.72	PASS
Band7	10MHz	QPSK	21400	25RB#25	20.69	PASS
Band7	10MHz	16QAM	21400	25RB#25	19.69	PASS
Band7	10MHz	QPSK	21400	50RB#0	20.73	PASS
Band7	10MHz	16QAM	21400	50RB#0	19.71	PASS
Band7	15MHz	QPSK	20825	1RB#0	21.46	PASS
Band7	15MHz	16QAM	20825	1RB#0	20.40	PASS
Band7	15MHz	QPSK	20825	1RB#38	21.68	PASS
Band7	15MHz	16QAM	20825	1RB#38	20.49	PASS
Band7	15MHz	QPSK	20825	1RB#74	21.62	PASS
Band7	15MHz	16QAM	20825	1RB#74	20.47	PASS
Band7	15MHz	QPSK	20825	38RB#0	20.66	PASS
Band7	15MHz	16QAM	20825	38RB#0	20.66	PASS
Band7	15MHz	QPSK	20825	38RB#18	20.65	PASS
Band7	15MHz	16QAM	20825	38RB#18	20.65	PASS
Band7	15MHz	QPSK	20825	38RB#37	20.77	PASS
Band7	15MHz	16QAM	20825	38RB#37	20.76	PASS
Band7	15MHz	QPSK	20825	75RB#0	20.76	PASS
Band7	15MHz	16QAM	20825	75RB#0	19.85	PASS
Band7	15MHz	QPSK	21100	1RB#0	21.69	PASS
Band7	15MHz	16QAM	21100	1RB#0	21.05	PASS
Band7	15MHz	QPSK	21100	1RB#38	21.59	PASS
Band7	15MHz	16QAM	21100	1RB#38	20.91	PASS
Band7	15MHz	QPSK	21100	1RB#74	21.45	PASS
Band7	15MHz	16QAM	21100	1RB#74	20.82	PASS
Band7	15MHz	QPSK	21100	38RB#0	20.58	PASS
Band7	15MHz	16QAM	21100	38RB#0	20.59	PASS
Band7	15MHz	QPSK	21100	38RB#18	20.60	PASS
Band7	15MHz	16QAM	21100	38RB#18	20.59	PASS
Band7	15MHz	QPSK	21100	38RB#37	20.59	PASS
Band7	15MHz	16QAM	21100	38RB#37	20.64	PASS
Band7	15MHz	QPSK	21100	75RB#0	20.63	PASS
Band7	15MHz	16QAM	21100	75RB#0	19.83	PASS
Band7	15MHz	QPSK	21375	1RB#0	21.41	PASS
Band7	15MHz	16QAM	21375	1RB#0	21.07	PASS
Band7	15MHz	QPSK	21375	1RB#38	21.53	PASS
Band7	15MHz	16QAM	21375	1RB#38	21.28	PASS
Band7	15MHz	QPSK	21375	1RB#74	21.66	PASS
Band7	15MHz	16QAM	21375	1RB#74	21.29	PASS



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Band7	15MHz	QPSK	21375	38RB#0	20.65	PASS
Band7	15MHz	16QAM	21375	38RB#0	20.66	PASS
Band7	15MHz	QPSK	21375	38RB#18	20.66	PASS
Band7	15MHz	16QAM	21375	38RB#18	20.67	PASS
Band7	15MHz	QPSK	21375	38RB#37	20.66	PASS
Band7	15MHz	16QAM	21375	38RB#37	20.66	PASS
Band7	15MHz	QPSK	21375	75RB#0	20.67	PASS
Band7	15MHz	16QAM	21375	75RB#0	19.68	PASS
Band7	20MHz	QPSK	20850	1RB#0	21.85	PASS
Band7	20MHz	16QAM	20850	1RB#0	20.48	PASS
Band7	20MHz	QPSK	20850	1RB#49	21.82	PASS
Band7	20MHz	16QAM	20850	1RB#49	20.48	PASS
Band7	20MHz	QPSK	20850	1RB#99	21.91	PASS
Band7	20MHz	16QAM	20850	1RB#99	20.41	PASS
Band7	20MHz	QPSK	20850	50RB#0	20.83	PASS
Band7	20MHz	16QAM	20850	50RB#0	19.88	PASS
Band7	20MHz	QPSK	20850	50RB#25	20.83	PASS
Band7	20MHz	16QAM	20850	50RB#25	19.88	PASS
Band7	20MHz	QPSK	20850	50RB#50	20.69	PASS
Band7	20MHz	16QAM	20850	50RB#50	19.89	PASS
Band7	20MHz	QPSK	20850	100RB#0	20.77	PASS
Band7	20MHz	16QAM	20850	100RB#0	19.84	PASS
Band7	20MHz	QPSK	21100	1RB#0	21.92	PASS
Band7	20MHz	16QAM	21100	1RB#0	21.25	PASS
Band7	20MHz	QPSK	21100	1RB#49	21.66	PASS
Band7	20MHz	16QAM	21100	1RB#49	21.08	PASS
Band7	20MHz	QPSK	21100	1RB#99	21.60	PASS
Band7	20MHz	16QAM	21100	1RB#99	20.93	PASS
Band7	20MHz	QPSK	21100	50RB#0	20.81	PASS
Band7	20MHz	16QAM	21100	50RB#0	19.87	PASS
Band7	20MHz	QPSK	21100	50RB#25	20.77	PASS
Band7	20MHz	16QAM	21100	50RB#25	19.79	PASS
Band7	20MHz	QPSK	21100	50RB#50	20.54	PASS
Band7	20MHz	16QAM	21100	50RB#50	19.61	PASS
Band7	20MHz	QPSK	21100	100RB#0	20.60	PASS
Band7	20MHz	16QAM	21100	100RB#0	19.73	PASS
Band7	20MHz	QPSK	21350	1RB#0	21.38	PASS
Band7	20MHz	16QAM	21350	1RB#0	20.47	PASS
Band7	20MHz	QPSK	21350	1RB#49	21.38	PASS
Band7	20MHz	16QAM	21350	1RB#49	20.54	PASS
Band7	20MHz	QPSK	21350	1RB#99	21.62	PASS



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Band7	20MHz	16QAM	21350	1RB#99	20.67	PASS
Band7	20MHz	QPSK	21350	50RB#0	20.61	PASS
Band7	20MHz	16QAM	21350	50RB#0	19.73	PASS
Band7	20MHz	QPSK	21350	50RB#25	20.53	PASS
Band7	20MHz	16QAM	21350	50RB#25	19.78	PASS
Band7	20MHz	QPSK	21350	50RB#50	20.61	PASS
Band7	20MHz	16QAM	21350	50RB#50	19.99	PASS
Band7	20MHz	QPSK	21350	100RB#0	20.64	PASS
Band7	20MHz	16QAM	21350	100RB#0	19.63	PASS



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

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	4.72	13	PASS
Band7	5MHz	16QAM	20775	1RB#0	5.59	13	PASS
Band7	5MHz	QPSK	20775	25RB#0	5.42	13	PASS
Band7	5MHz	16QAM	20775	25RB#0	6.08	13	PASS
Band7	5MHz	QPSK	21100	1RB#0	5.29	13	PASS
Band7	5MHz	16QAM	21100	1RB#0	5.83	13	PASS
Band7	5MHz	QPSK	21100	25RB#0	5.57	13	PASS
Band7	5MHz	16QAM	21100	25RB#0	6.21	13	PASS
Band7	5MHz	QPSK	21425	1RB#0	4.80	13	PASS
Band7	5MHz	16QAM	21425	1RB#0	5.70	13	PASS
Band7	5MHz	QPSK	21425	25RB#0	5.51	13	PASS
Band7	5MHz	16QAM	21425	25RB#0	6.15	13	PASS
Band7	10MHz	QPSK	20800	1RB#0	4.75	13	PASS
Band7	10MHz	16QAM	20800	1RB#0	5.74	13	PASS
Band7	10MHz	QPSK	20800	50RB#0	5.46	13	PASS
Band7	10MHz	16QAM	20800	50RB#0	6.14	13	PASS
Band7	10MHz	QPSK	21100	1RB#0	5.25	13	PASS
Band7	10MHz	16QAM	21100	1RB#0	6.14	13	PASS
Band7	10MHz	QPSK	21100	50RB#0	5.60	13	PASS
Band7	10MHz	16QAM	21100	50RB#0	6.27	13	PASS
Band7	10MHz	QPSK	21400	1RB#0	4.82	13	PASS
Band7	10MHz	16QAM	21400	1RB#0	5.83	13	PASS
Band7	10MHz	QPSK	21400	50RB#0	5.50	13	PASS
Band7	10MHz	16QAM	21400	50RB#0	6.19	13	PASS
Band7	15MHz	QPSK	20825	1RB#0	4.81	13	PASS
Band7	15MHz	16QAM	20825	1RB#0	5.71	13	PASS
Band7	15MHz	QPSK	20825	75RB#0	5.77	13	PASS
Band7	15MHz	16QAM	20825	75RB#0	6.22	13	PASS
Band7	15MHz	QPSK	21100	1RB#0	5.27	13	PASS
Band7	15MHz	16QAM	21100	1RB#0	6.14	13	PASS
Band7	15MHz	QPSK	21100	75RB#0	5.92	13	PASS
Band7	15MHz	16QAM	21100	75RB#0	6.35	13	PASS
Band7	15MHz	QPSK	21375	1RB#0	4.93	13	PASS
Band7	15MHz	16QAM	21375	1RB#0	5.91	13	PASS
Band7	15MHz	QPSK	21375	75RB#0	5.75	13	PASS
Band7	15MHz	16QAM	21375	75RB#0	6.24	13	PASS



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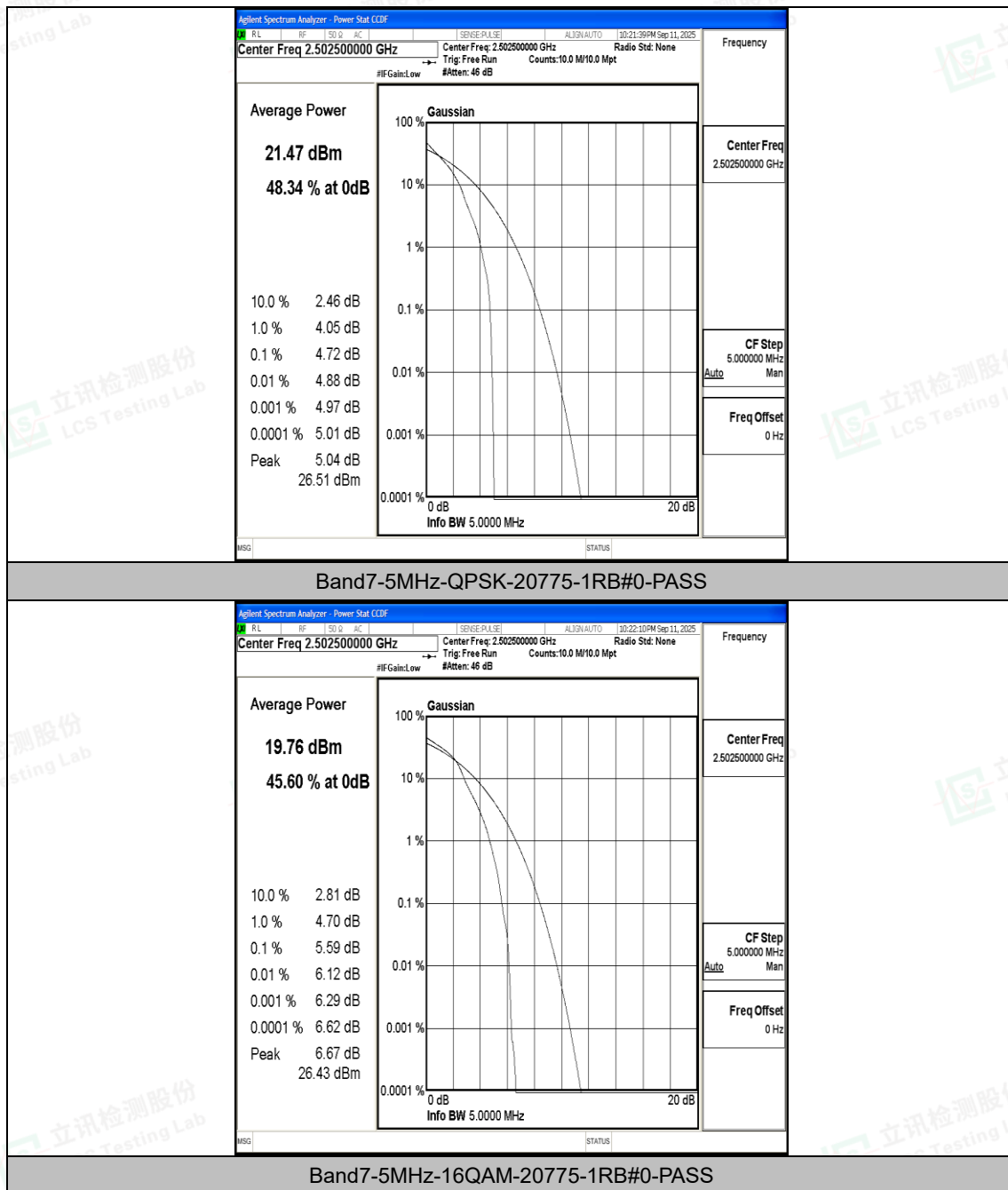
Band7	20MHz	QPSK	20850	1RB#0	4.61	13	PASS
Band7	20MHz	16QAM	20850	1RB#0	5.49	13	PASS
Band7	20MHz	QPSK	20850	100RB#0	5.49	13	PASS
Band7	20MHz	16QAM	20850	100RB#0	6.20	13	PASS
Band7	20MHz	QPSK	21100	1RB#0	5.12	13	PASS
Band7	20MHz	16QAM	21100	1RB#0	5.70	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	5.62	13	PASS
Band7	20MHz	16QAM	21100	100RB#0	6.31	13	PASS
Band7	20MHz	QPSK	21350	1RB#0	4.93	13	PASS
Band7	20MHz	16QAM	21350	1RB#0	5.63	13	PASS
Band7	20MHz	QPSK	21350	100RB#0	5.44	13	PASS
Band7	20MHz	16QAM	21350	100RB#0	6.18	13	PASS



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Test Graphs

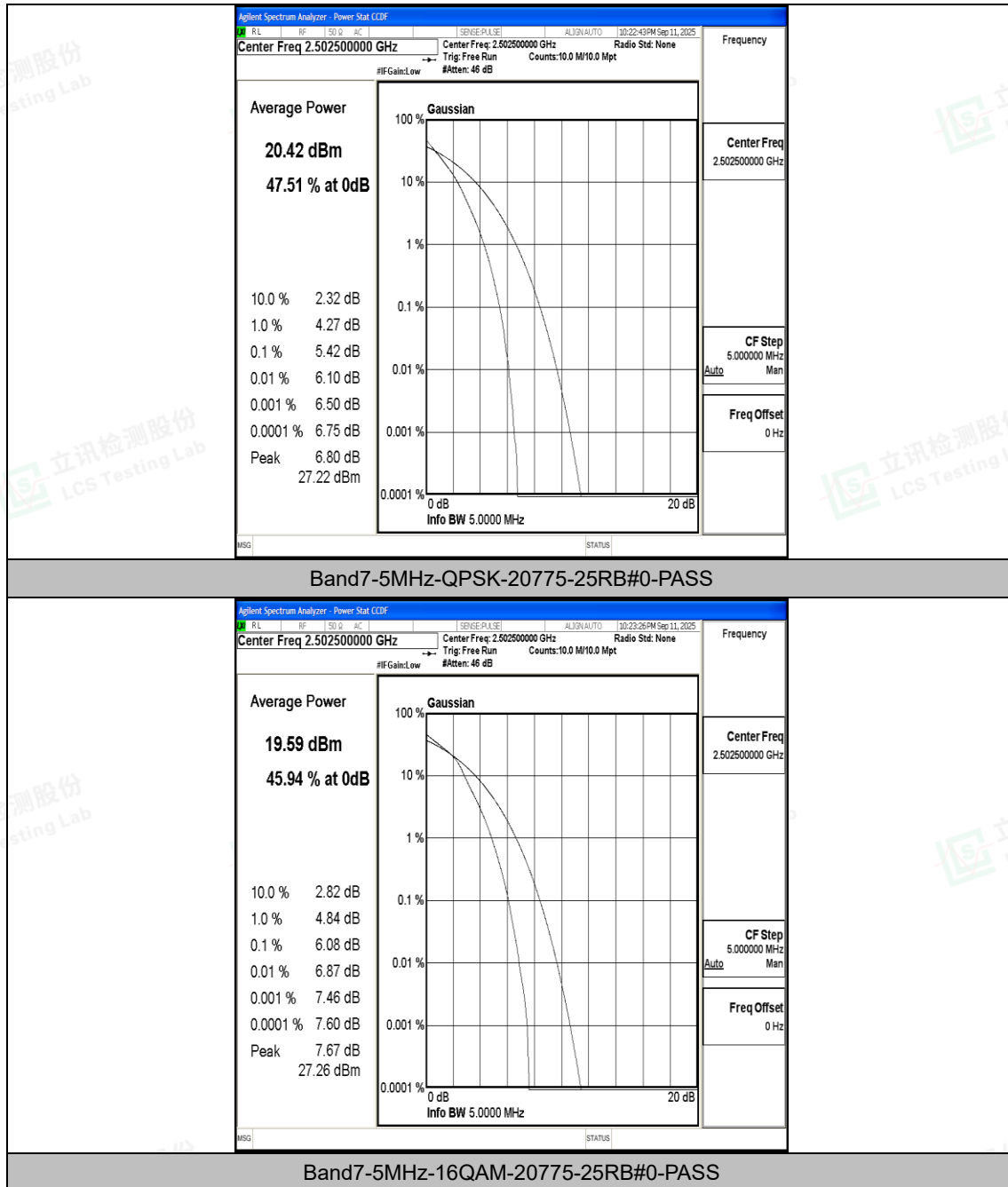


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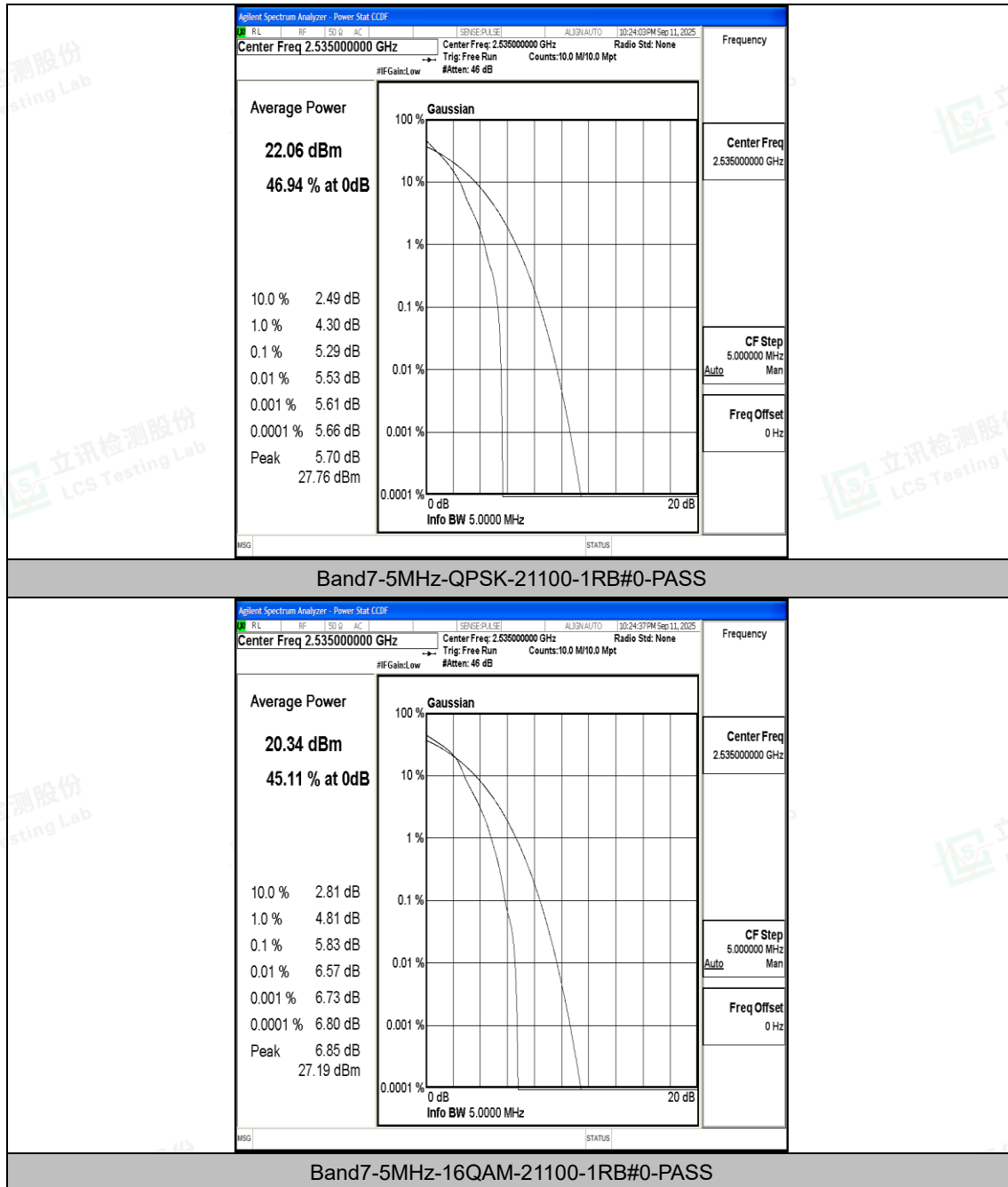


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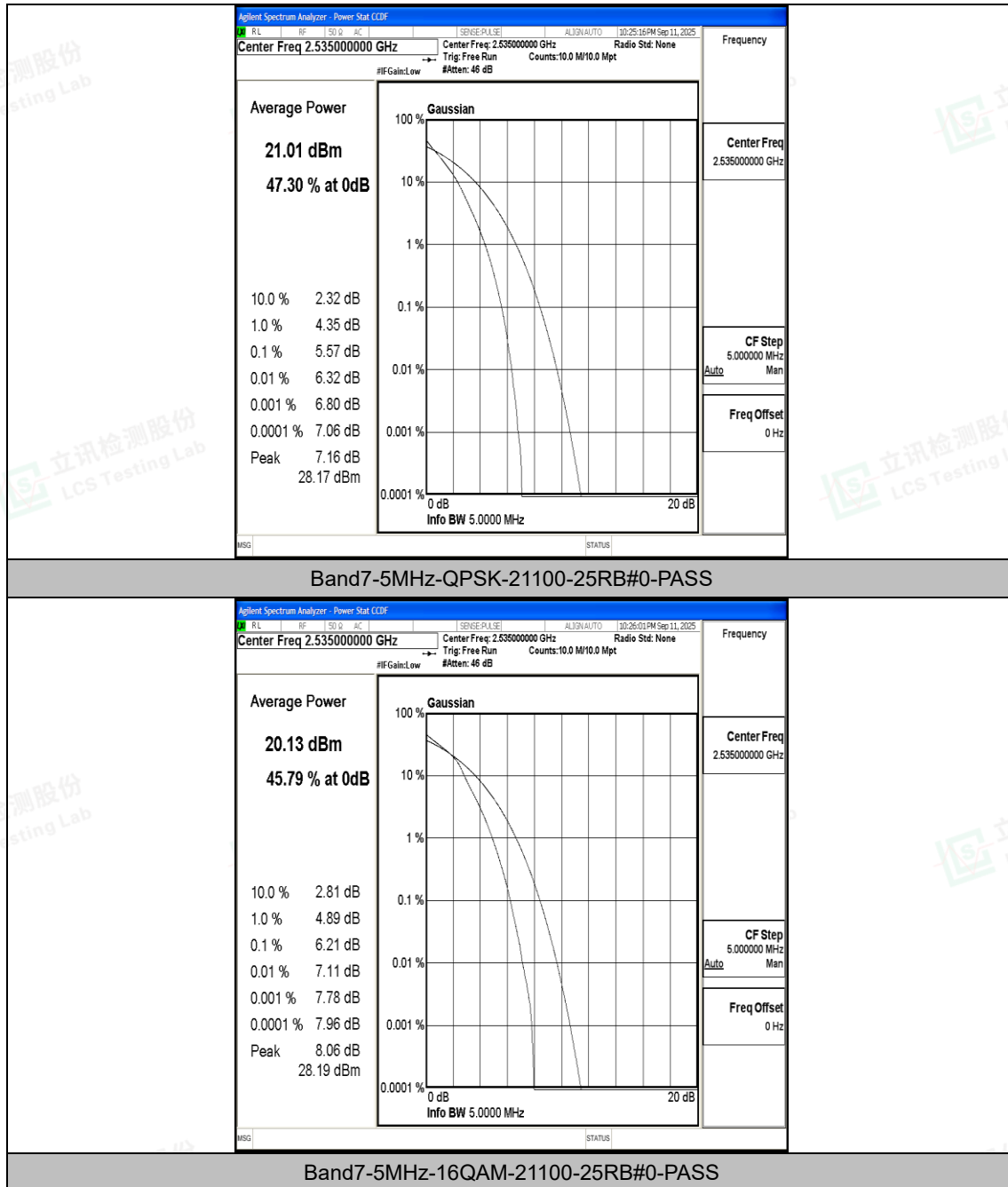


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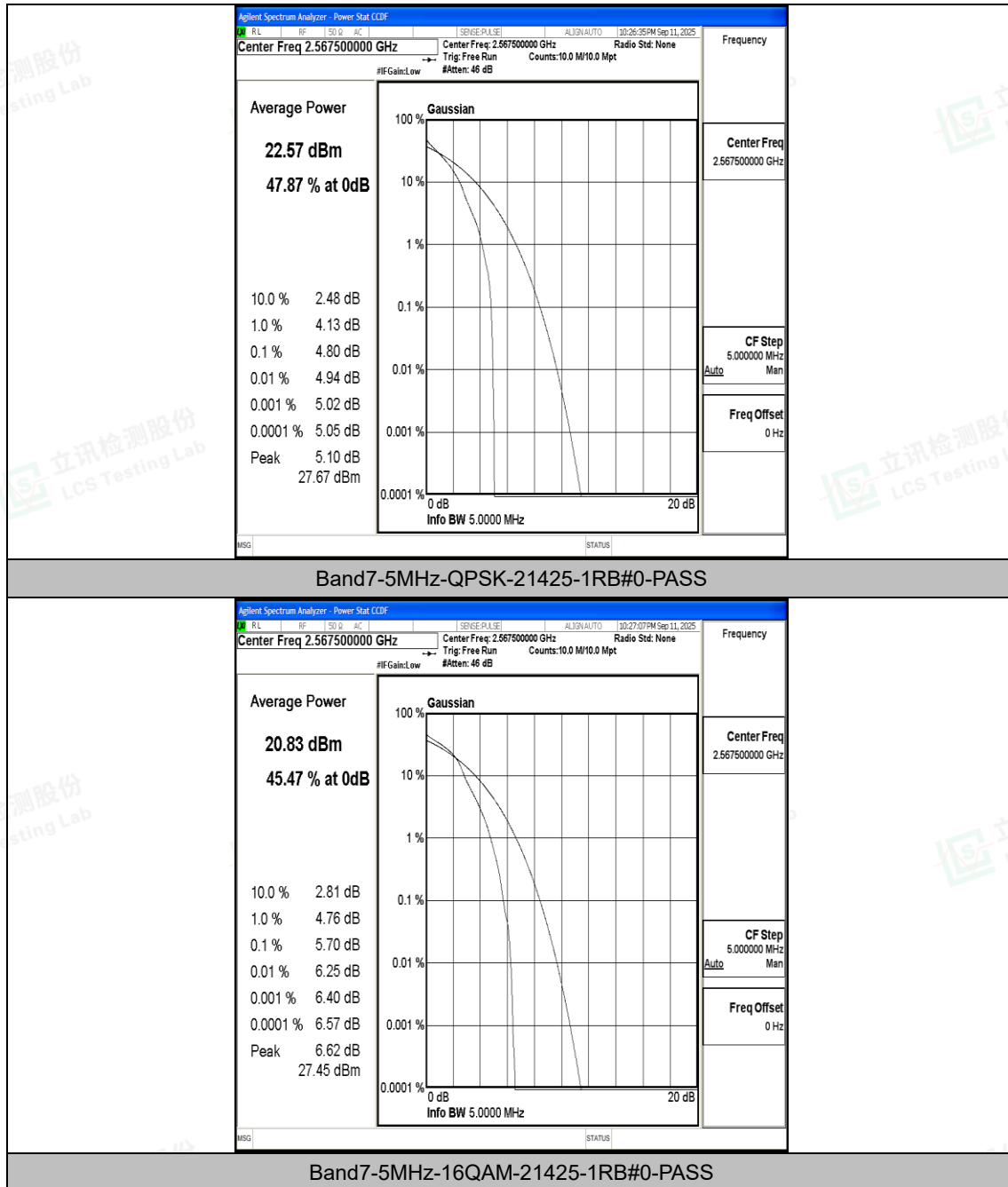


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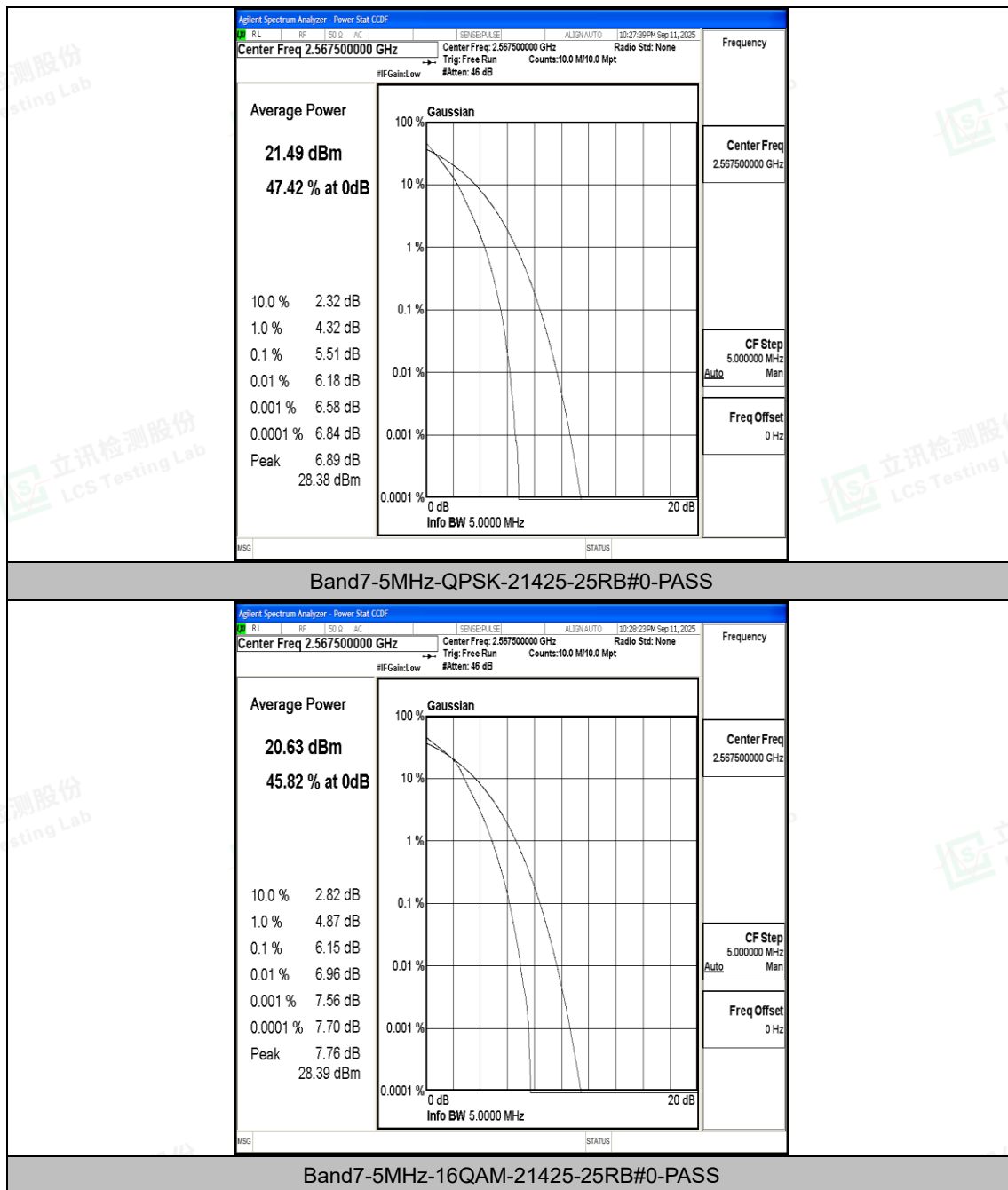


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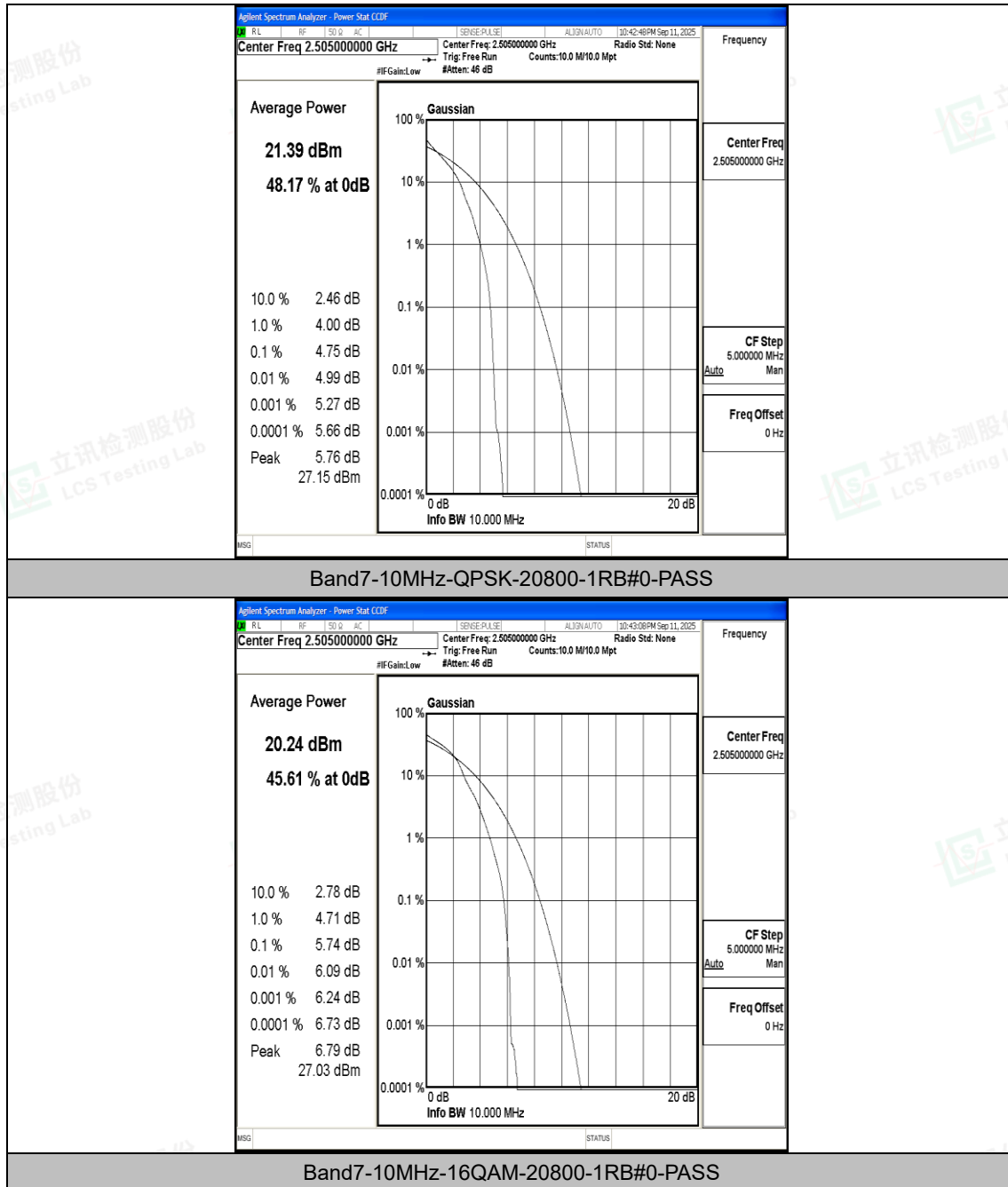


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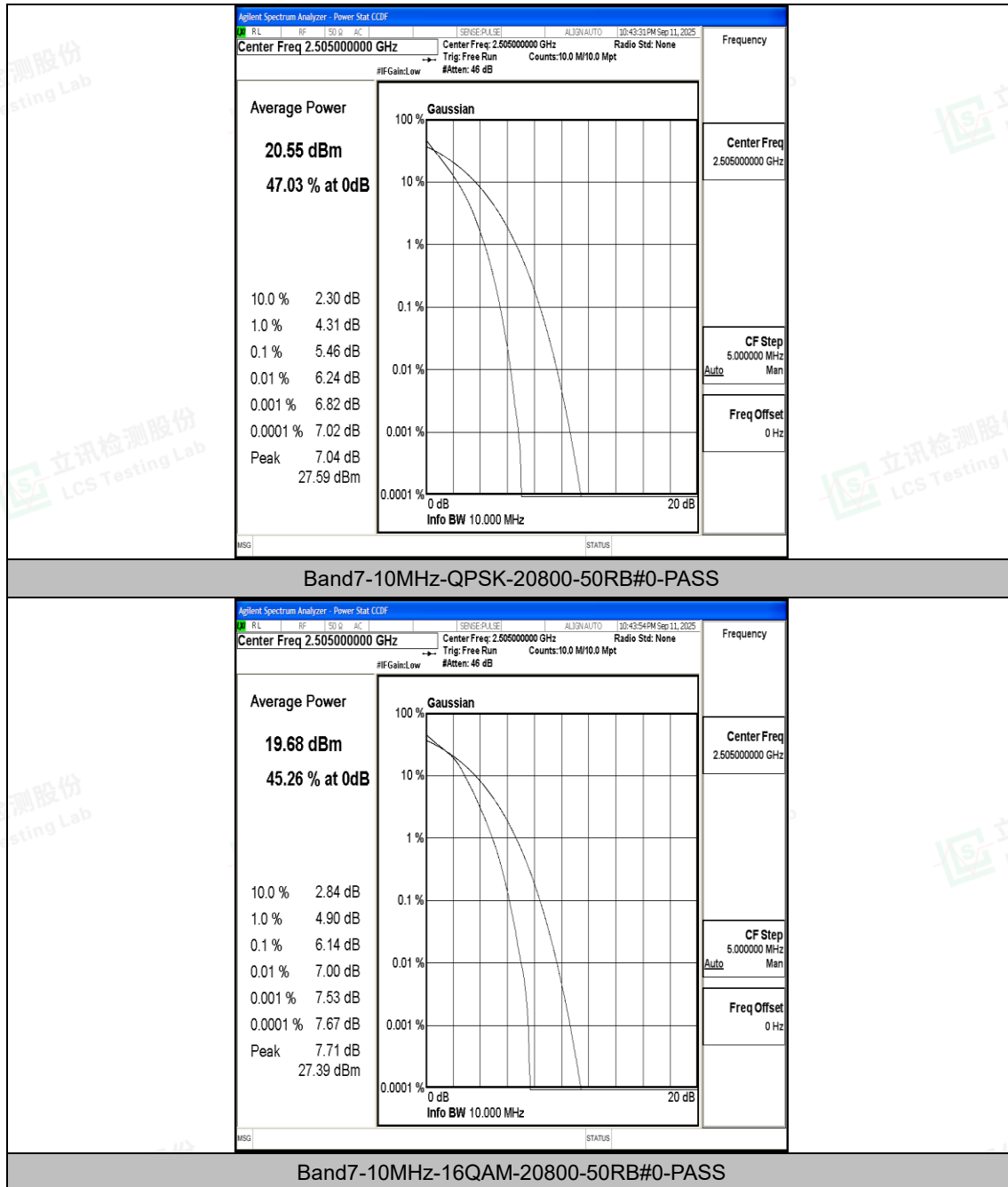


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Scan code to check authenticity

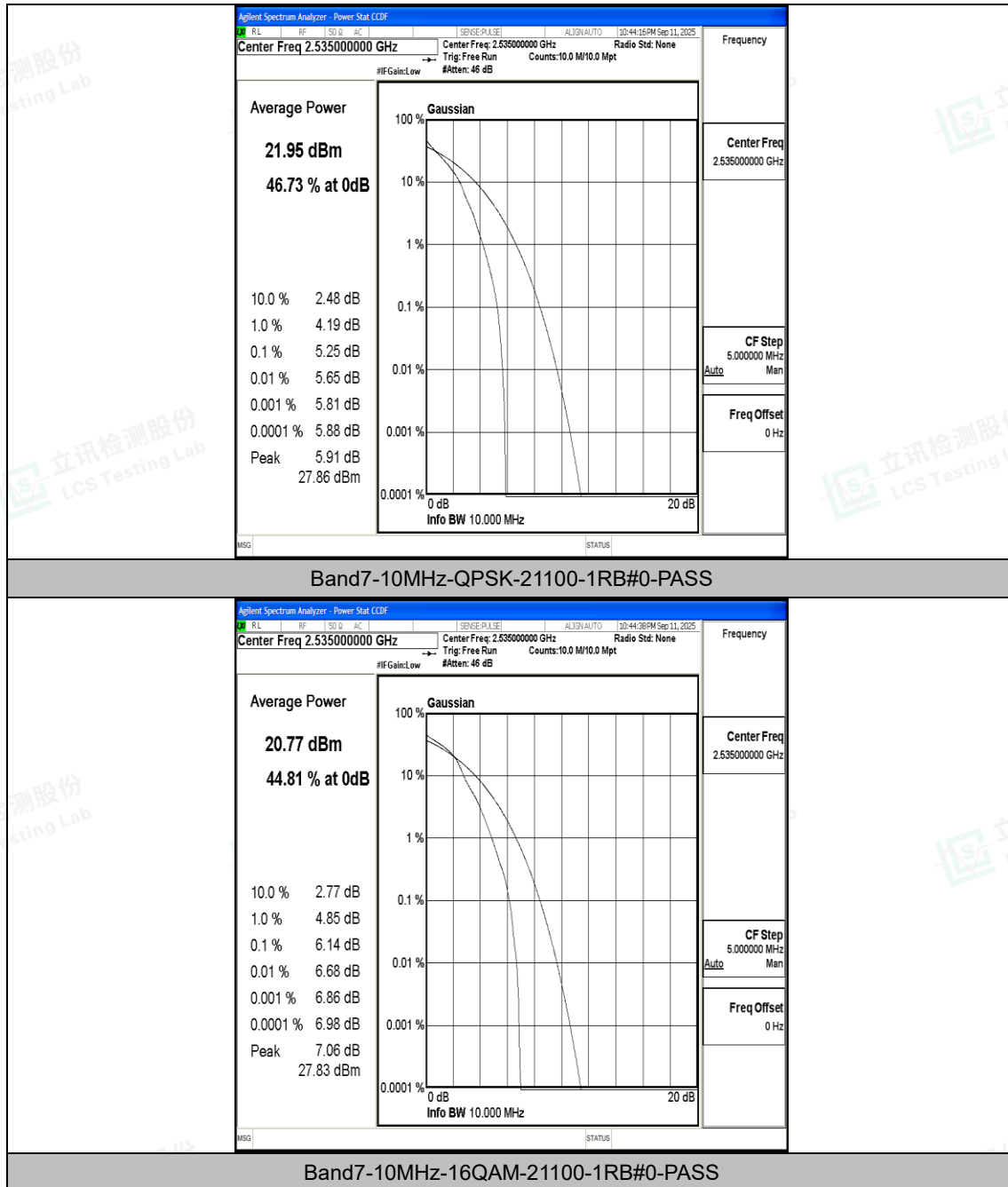


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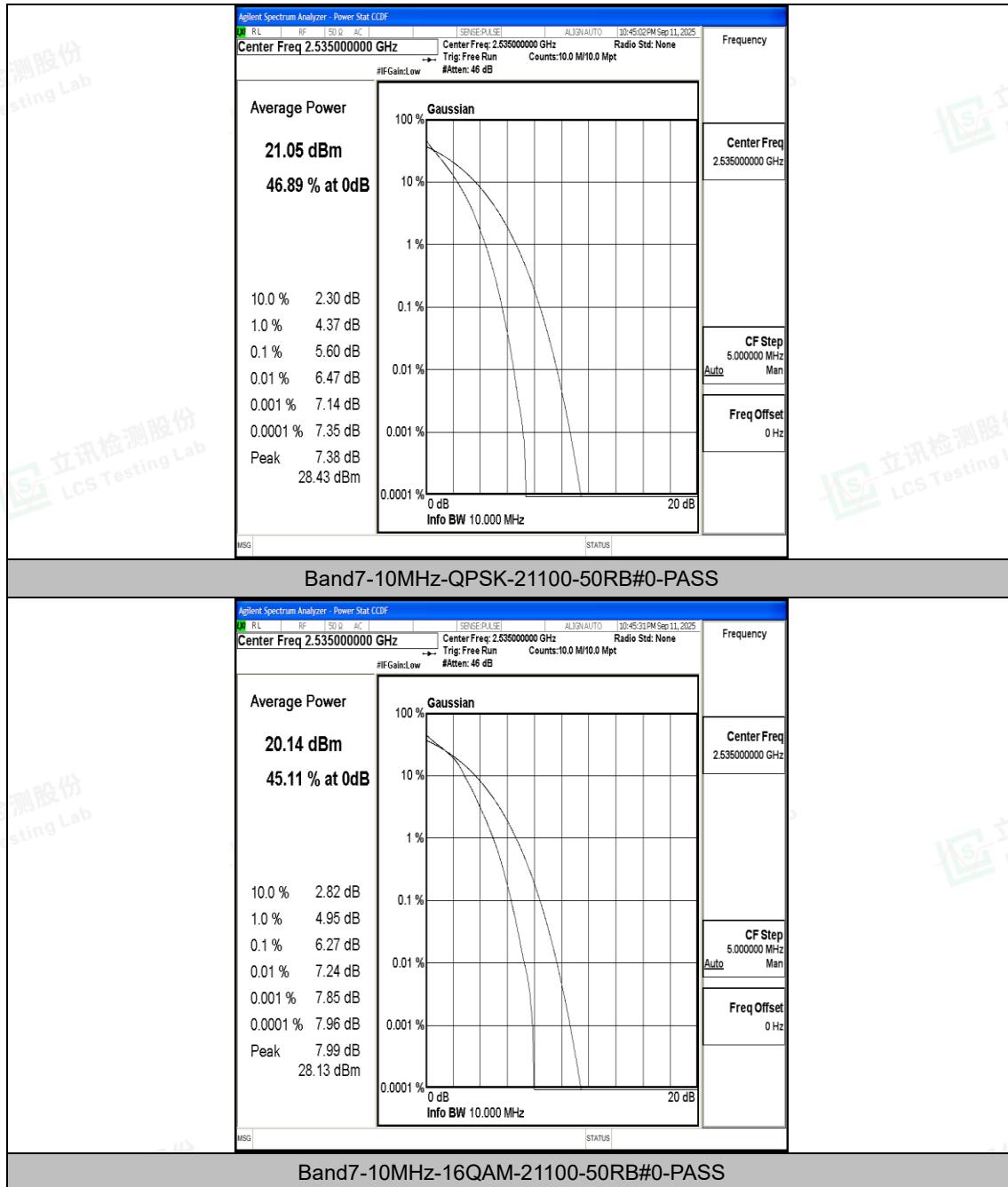


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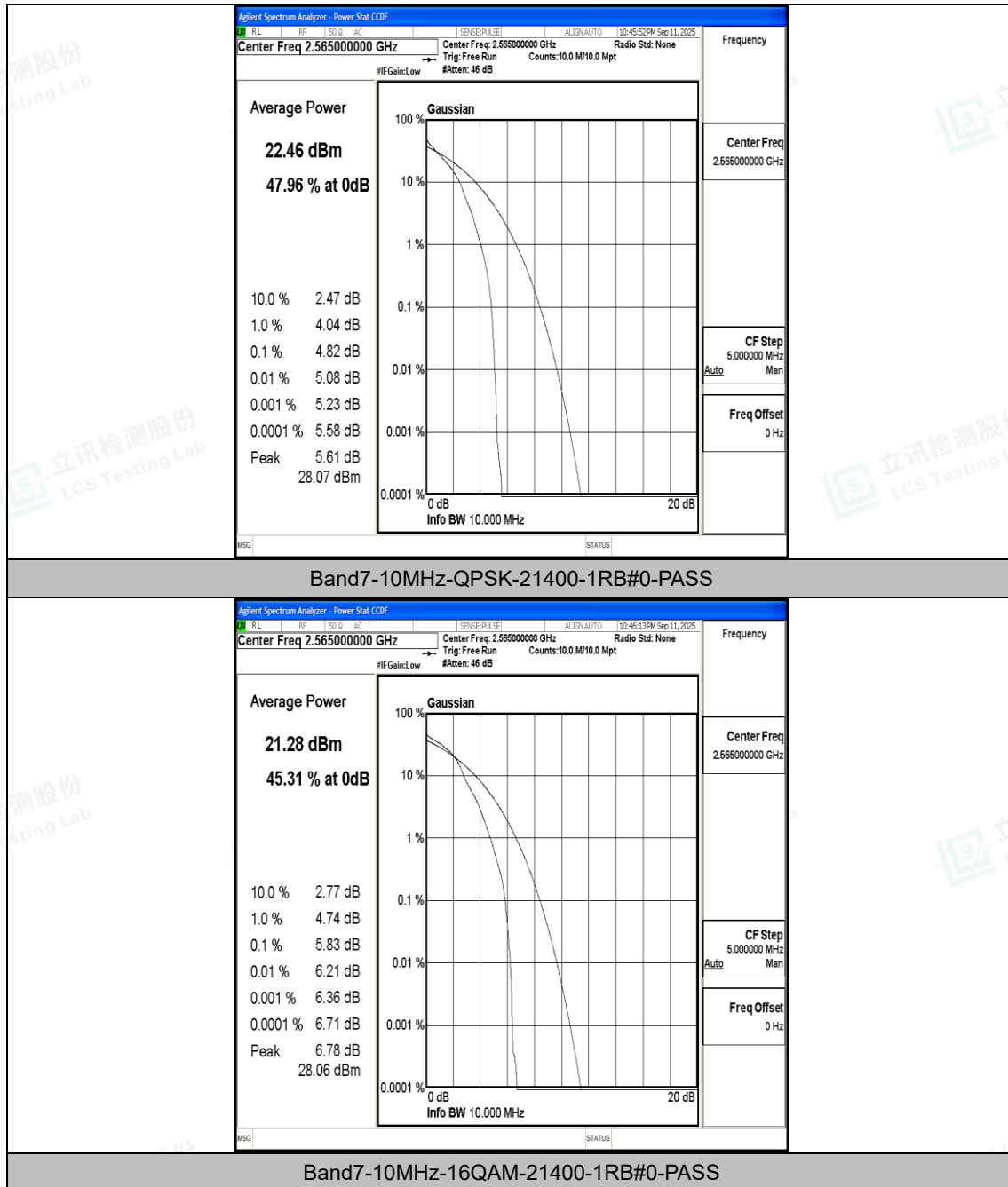


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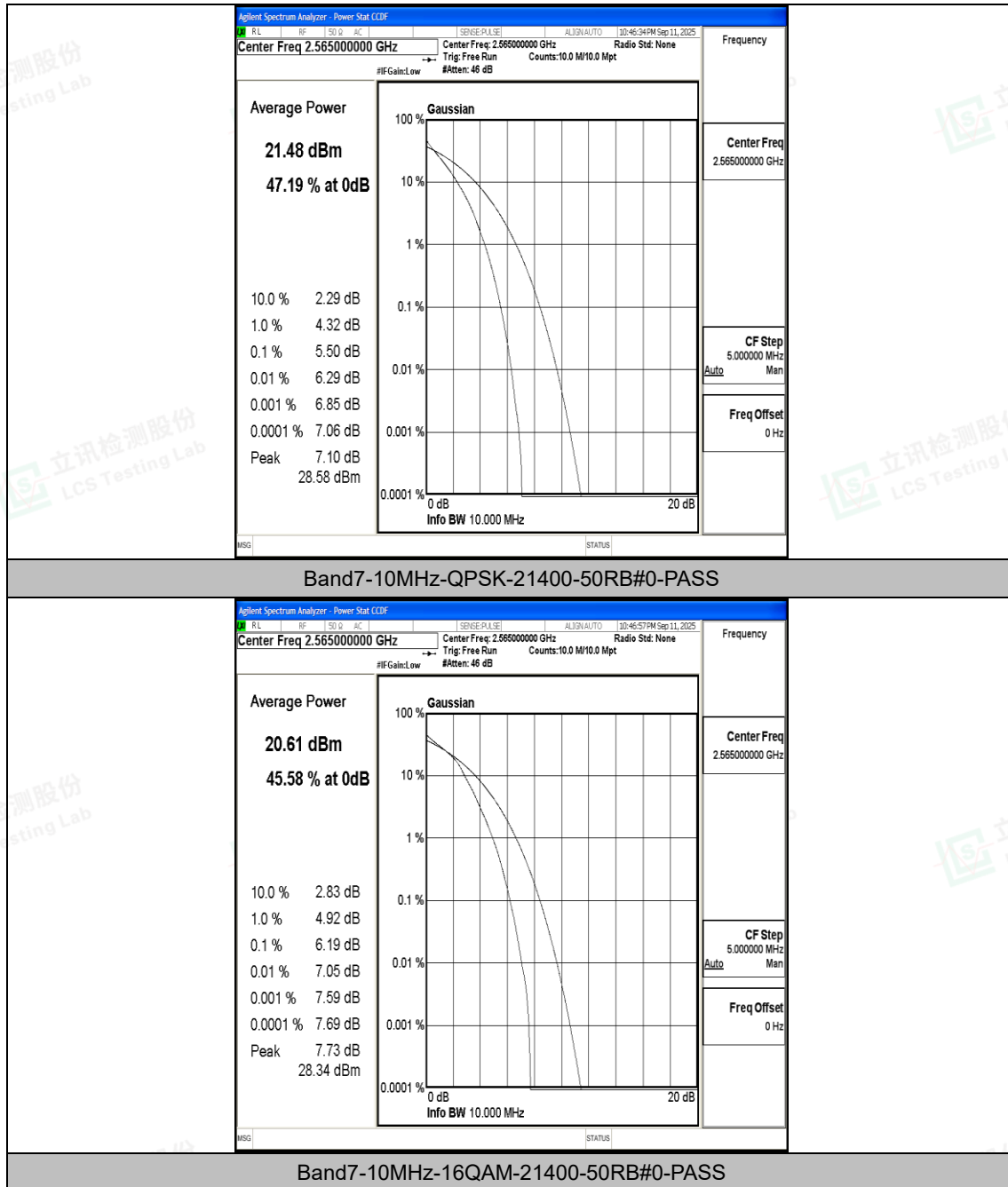


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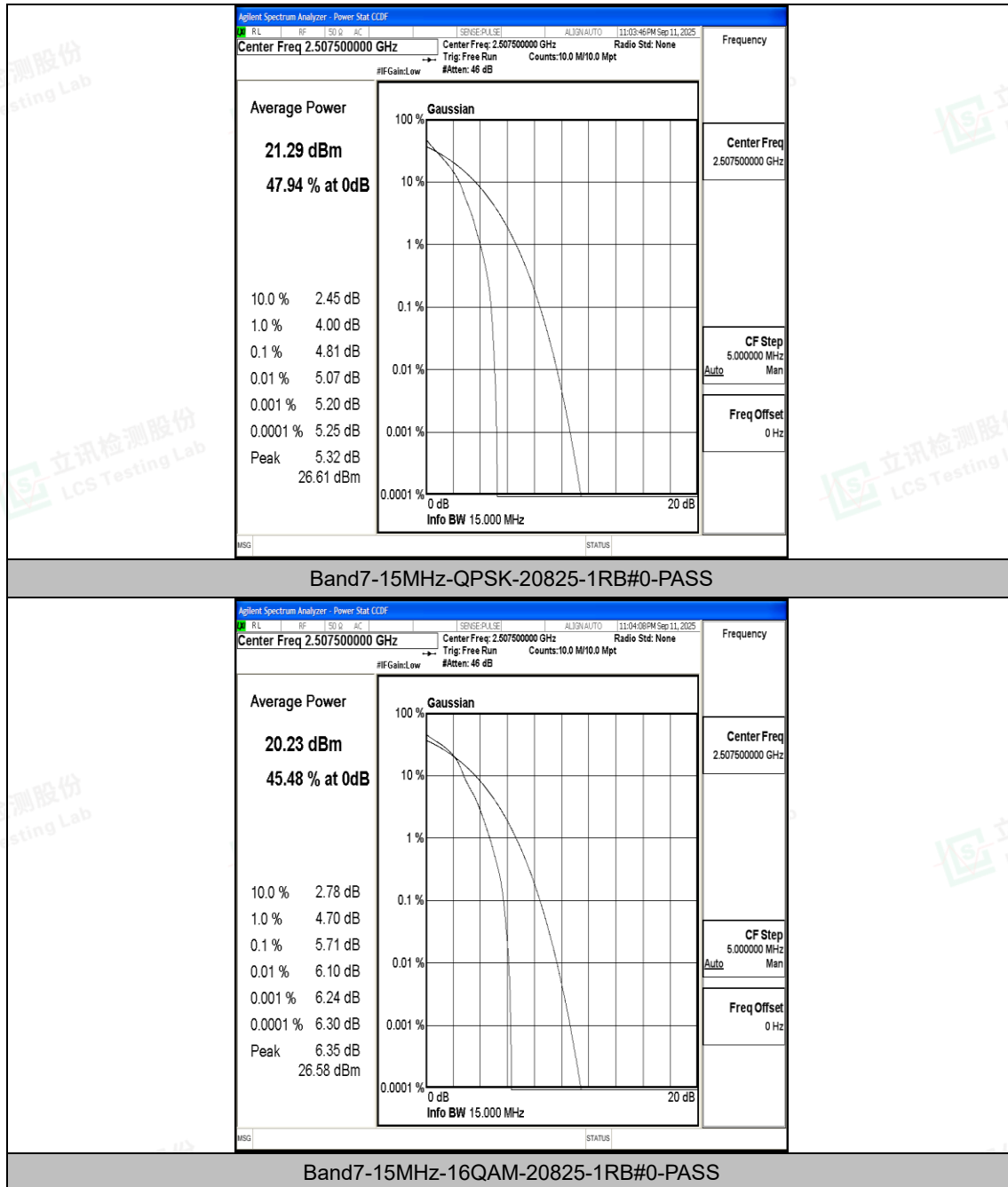


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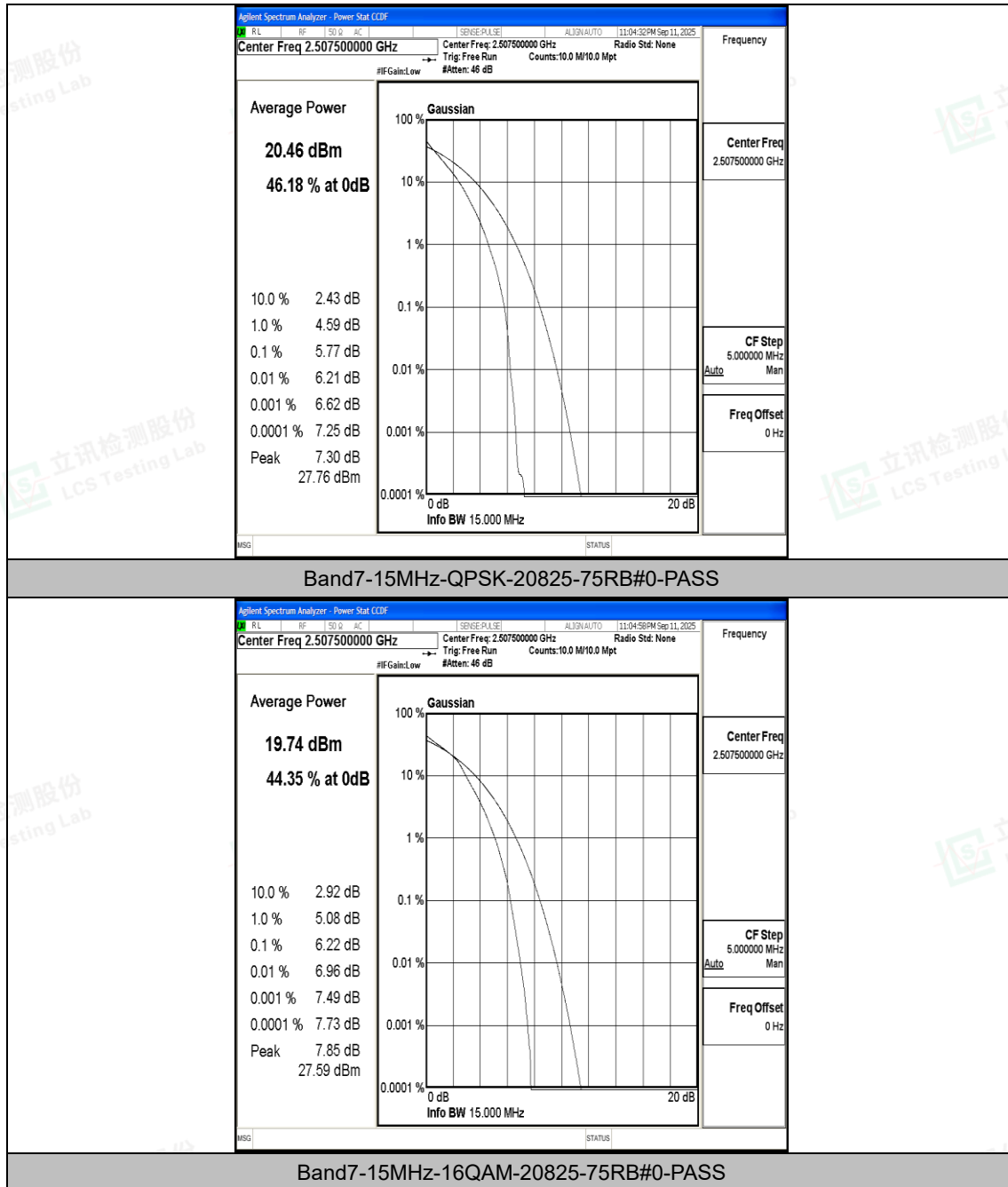


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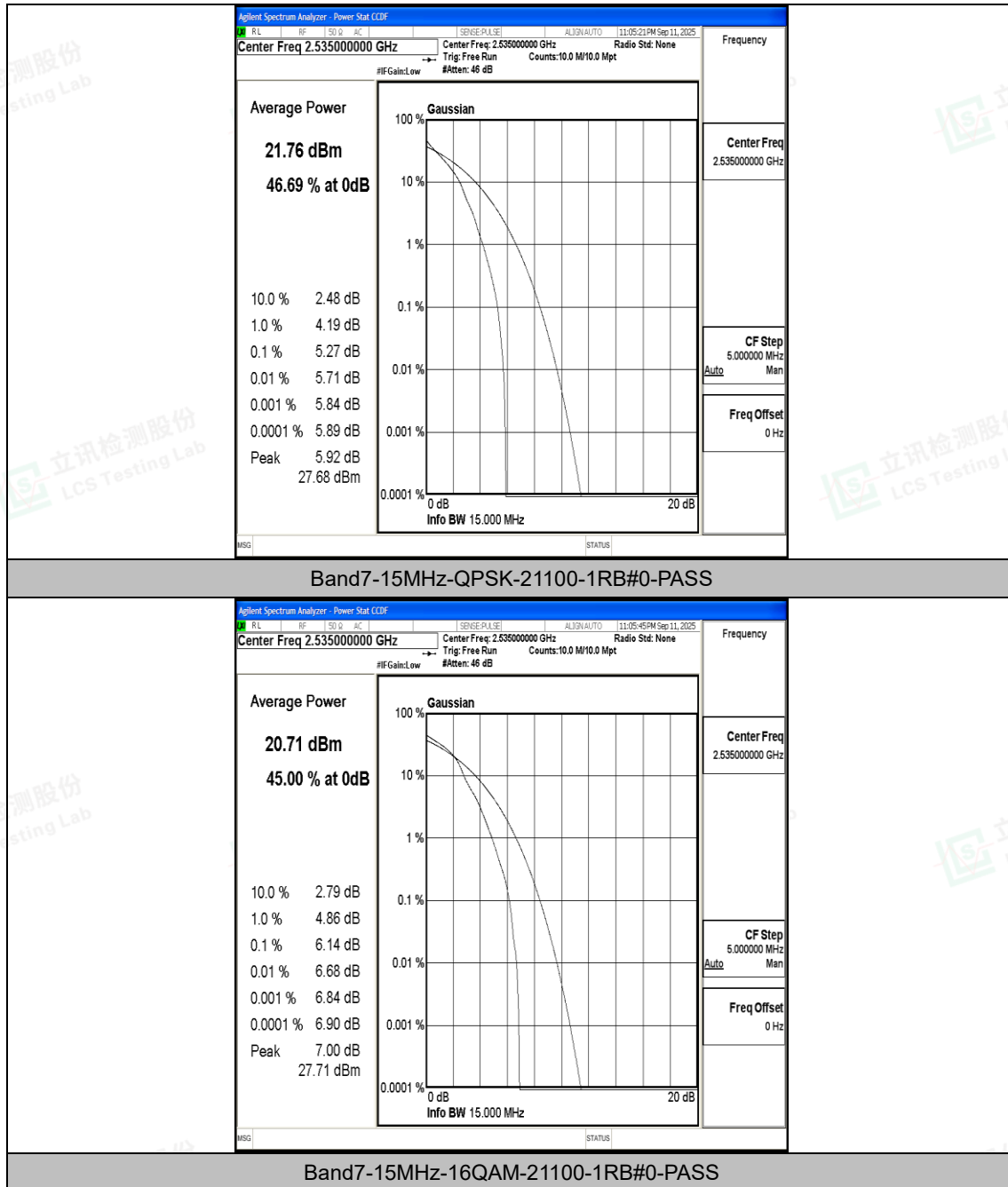


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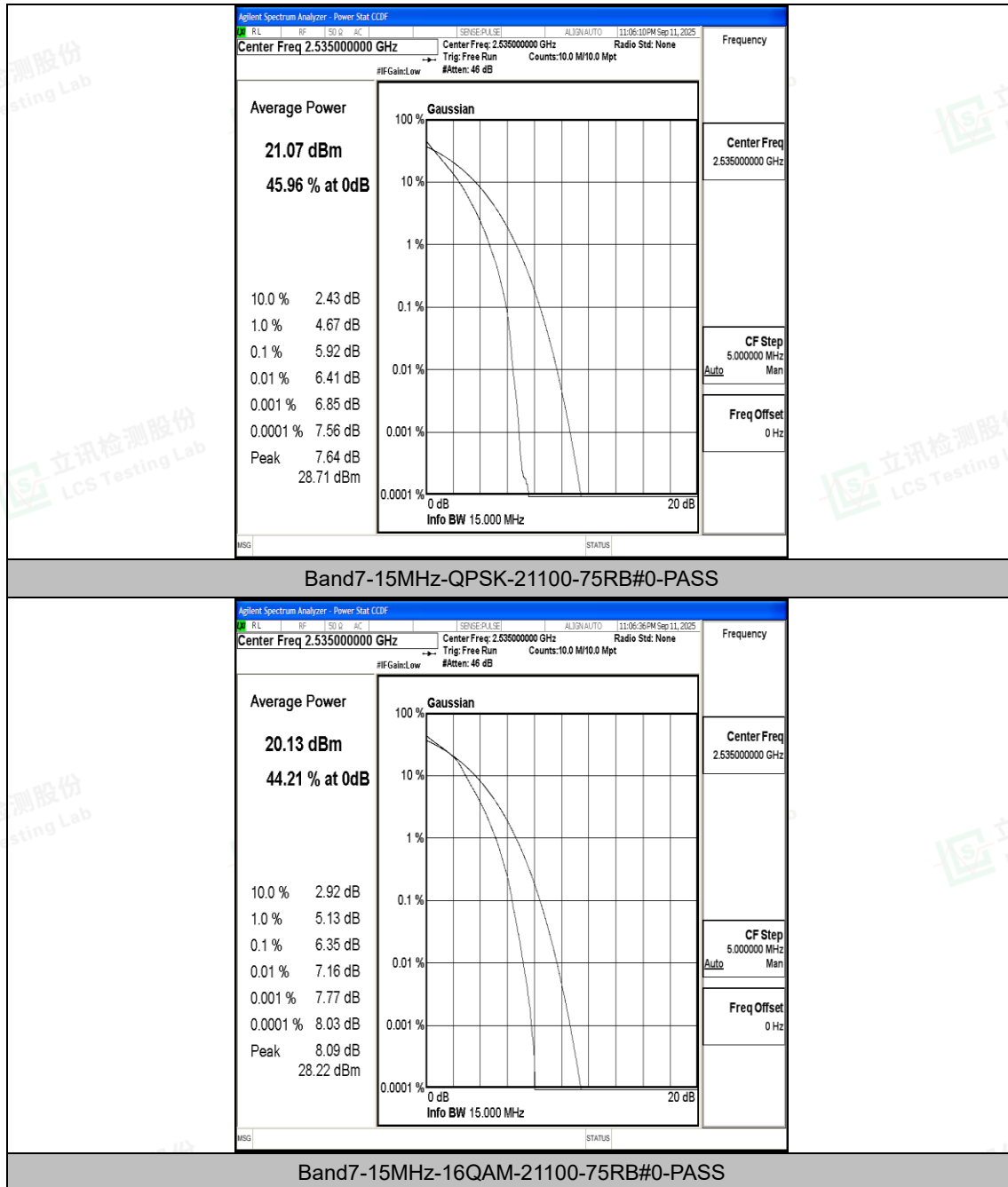


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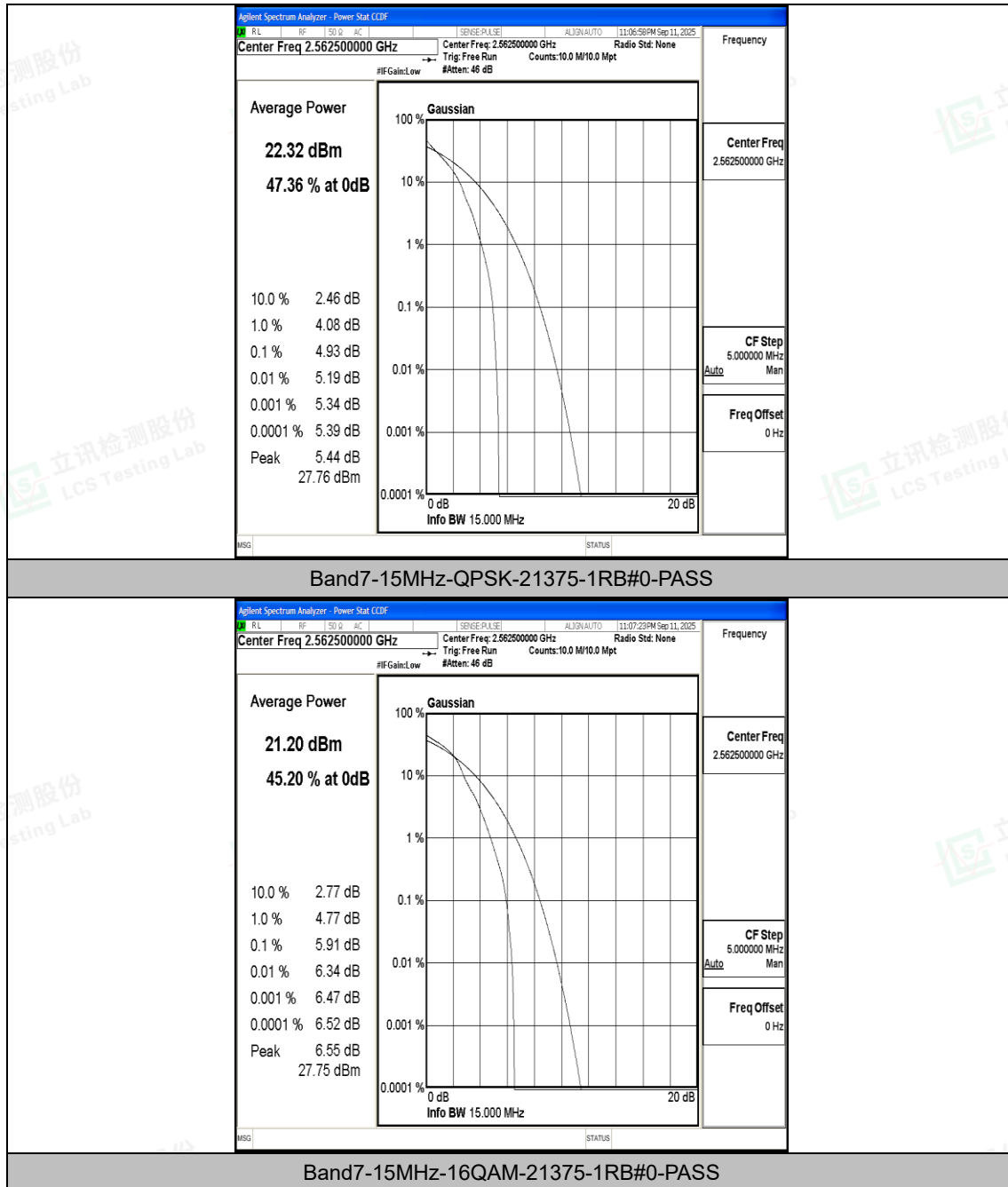


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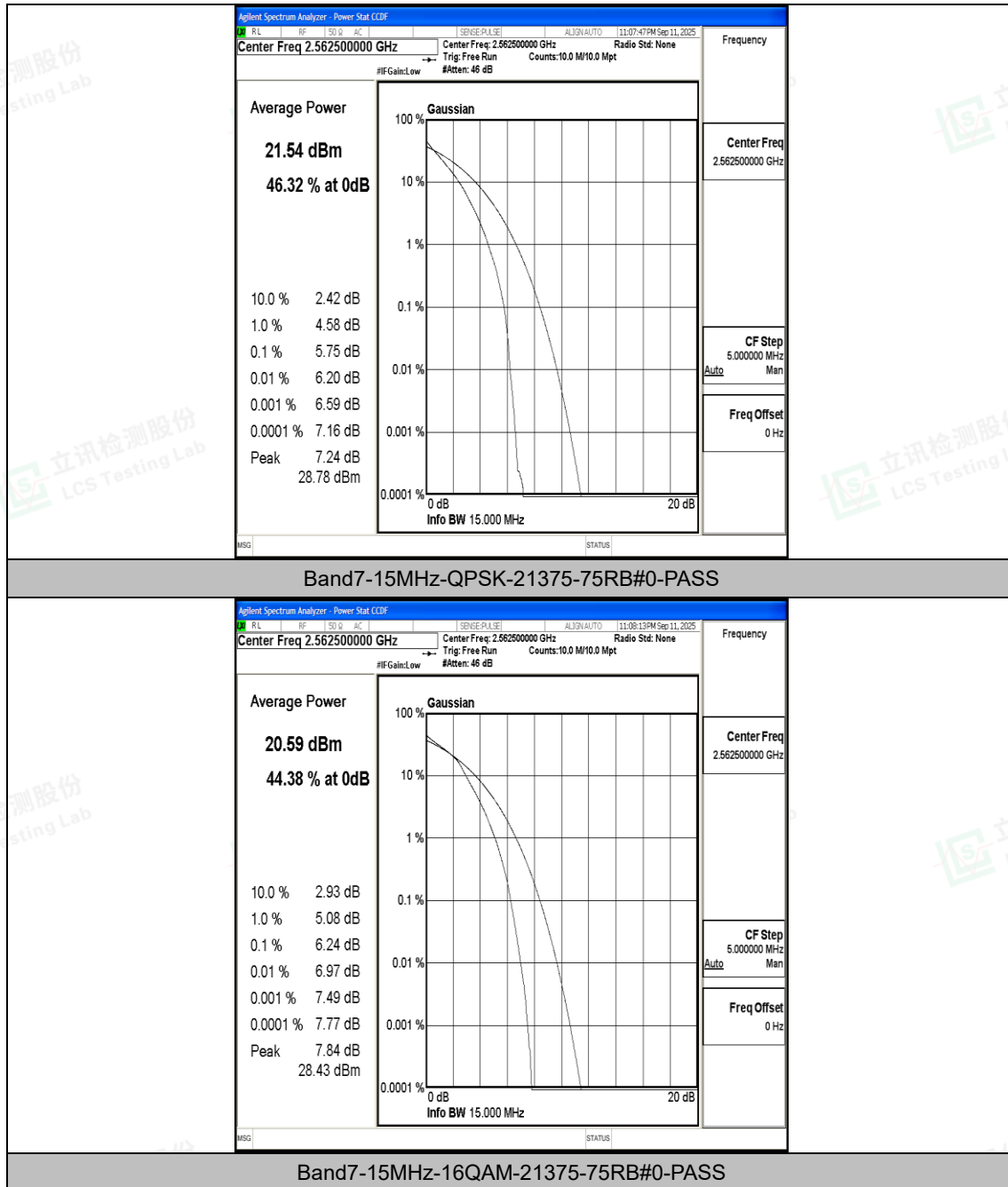


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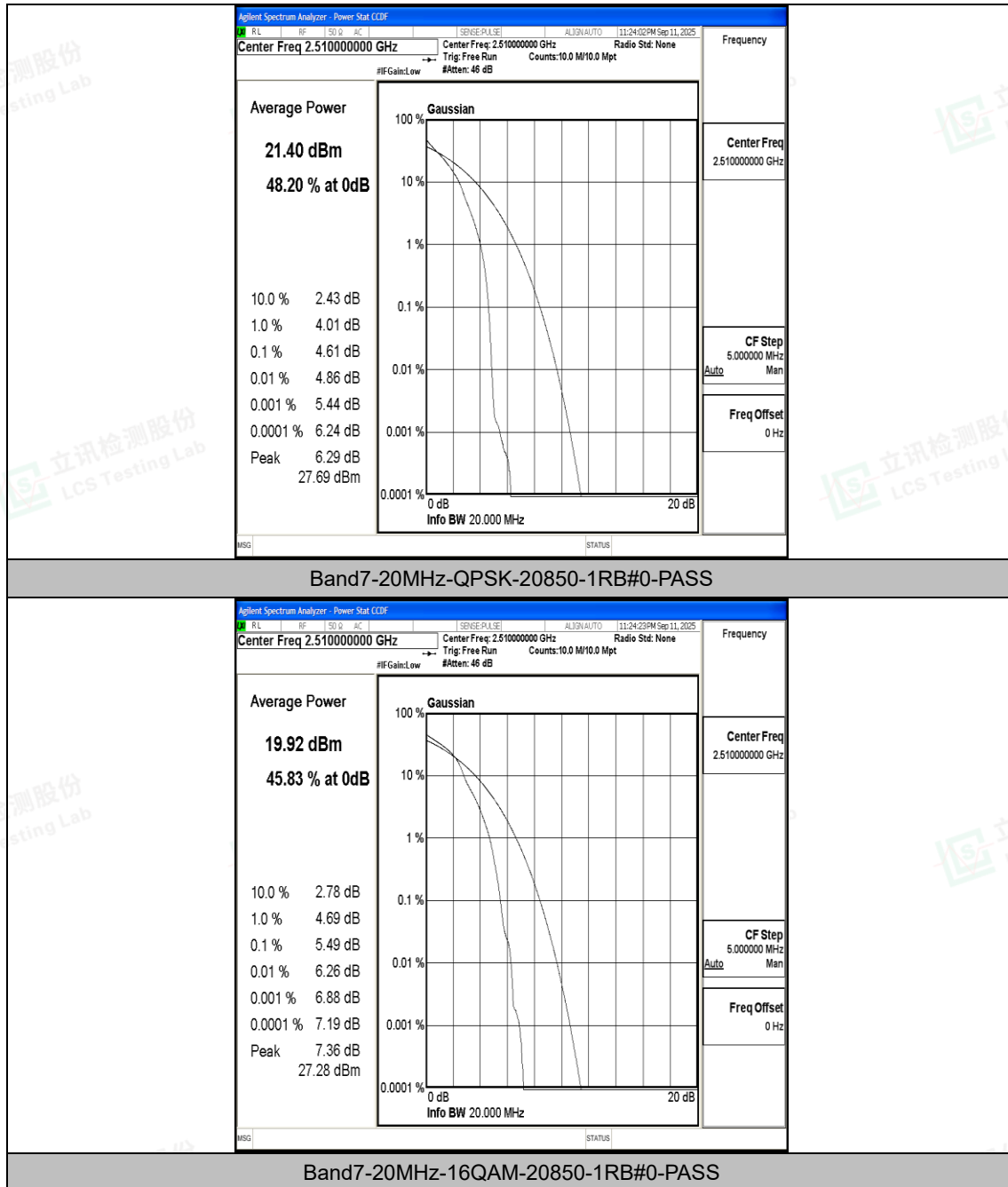


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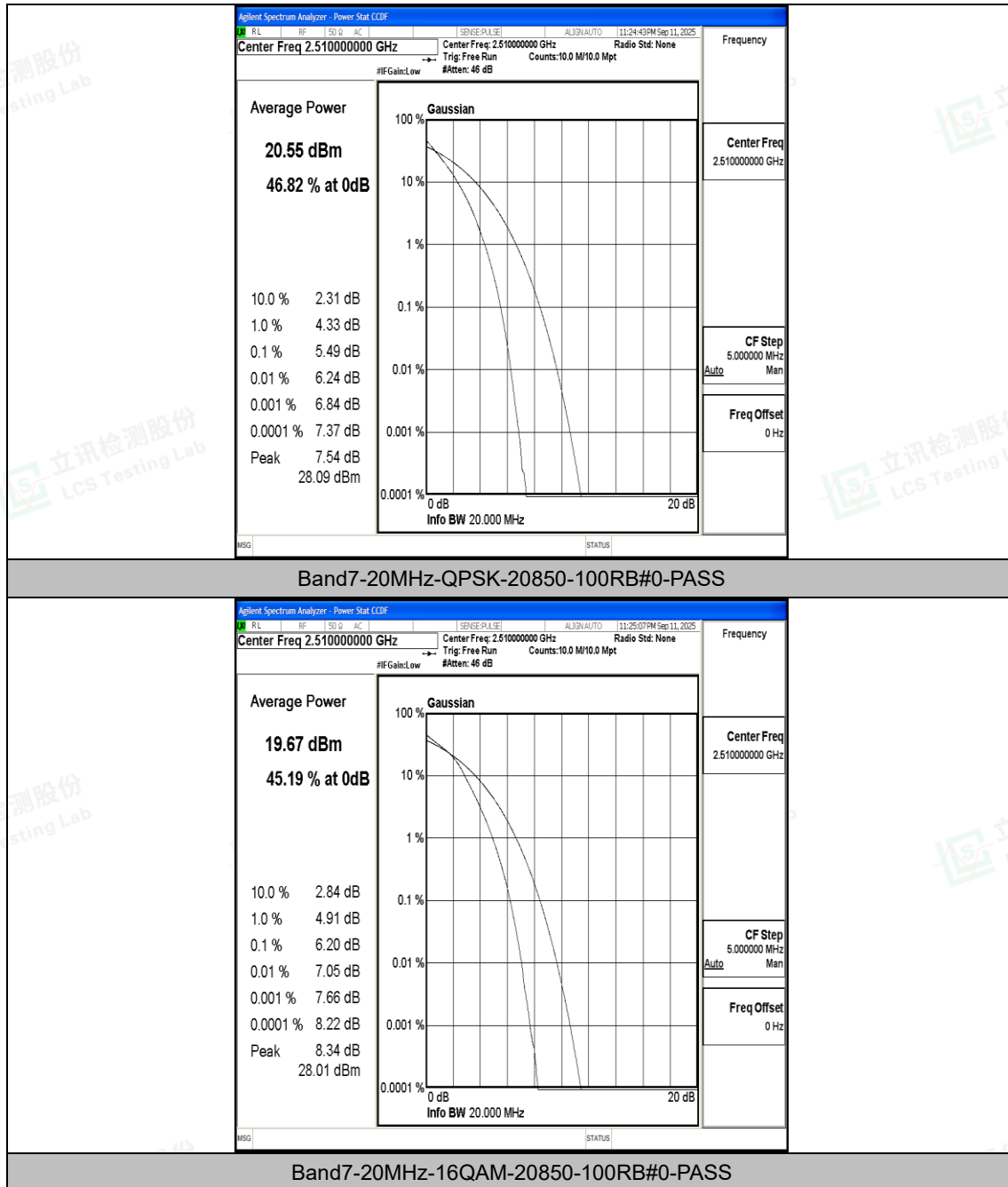


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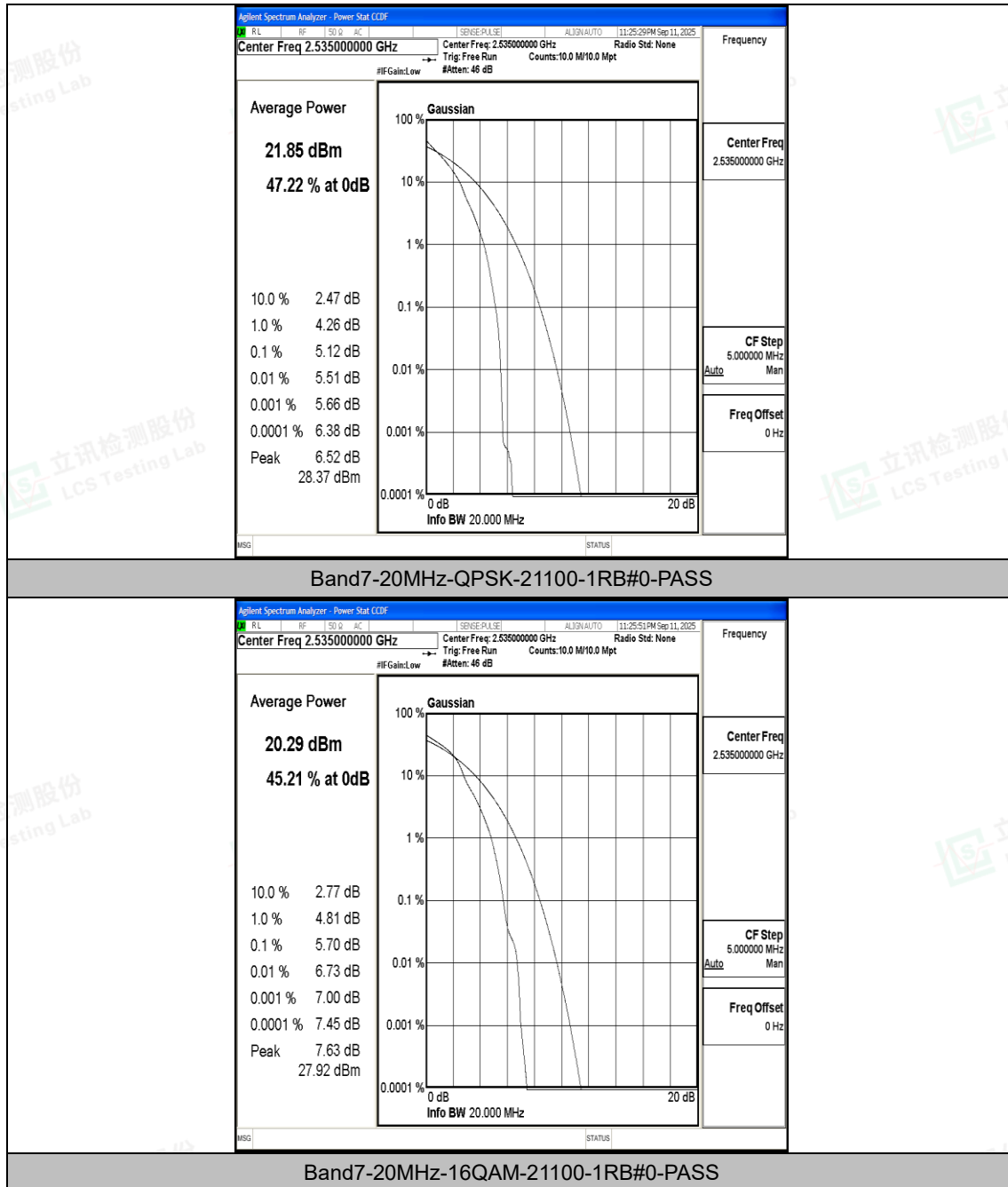


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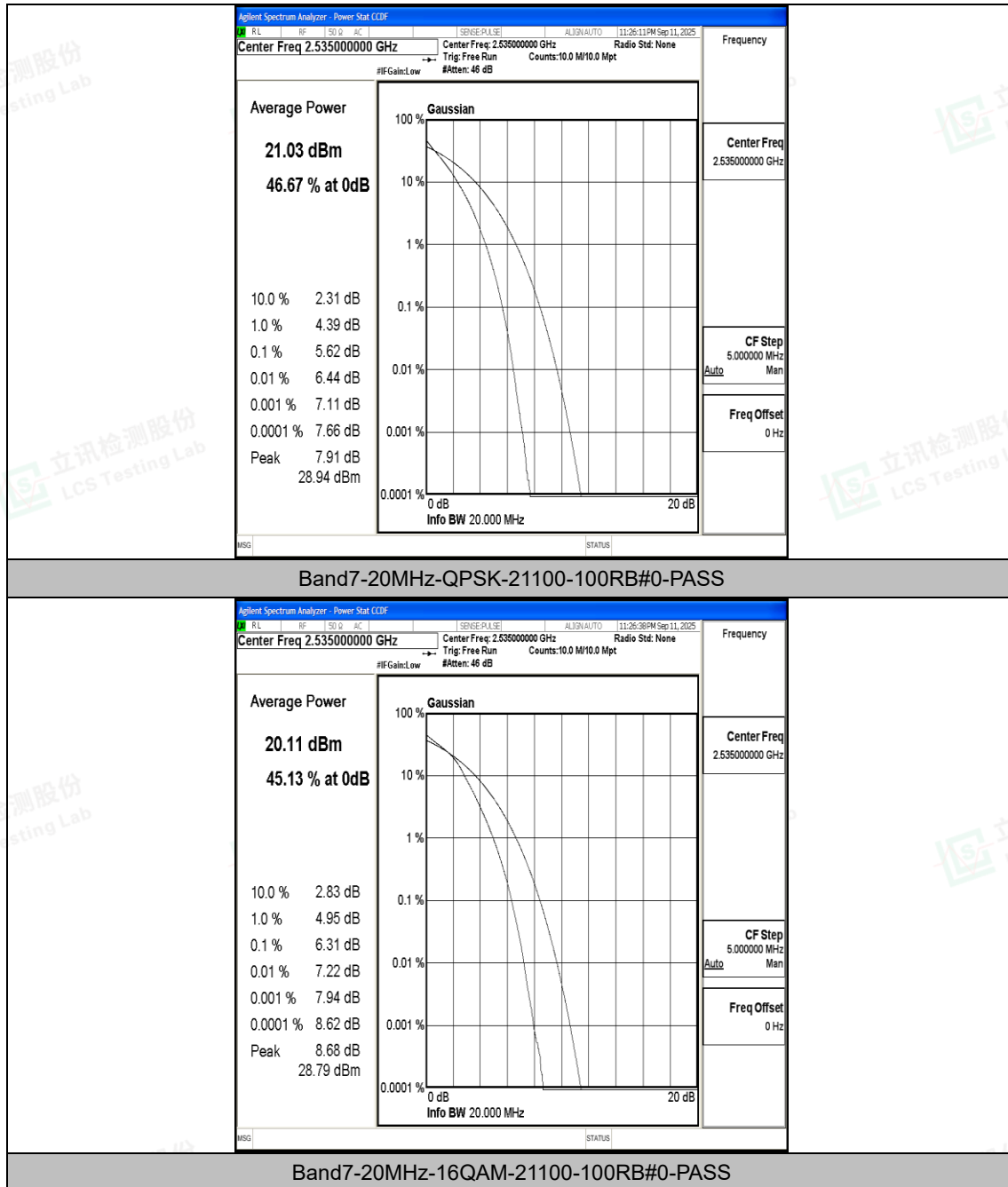


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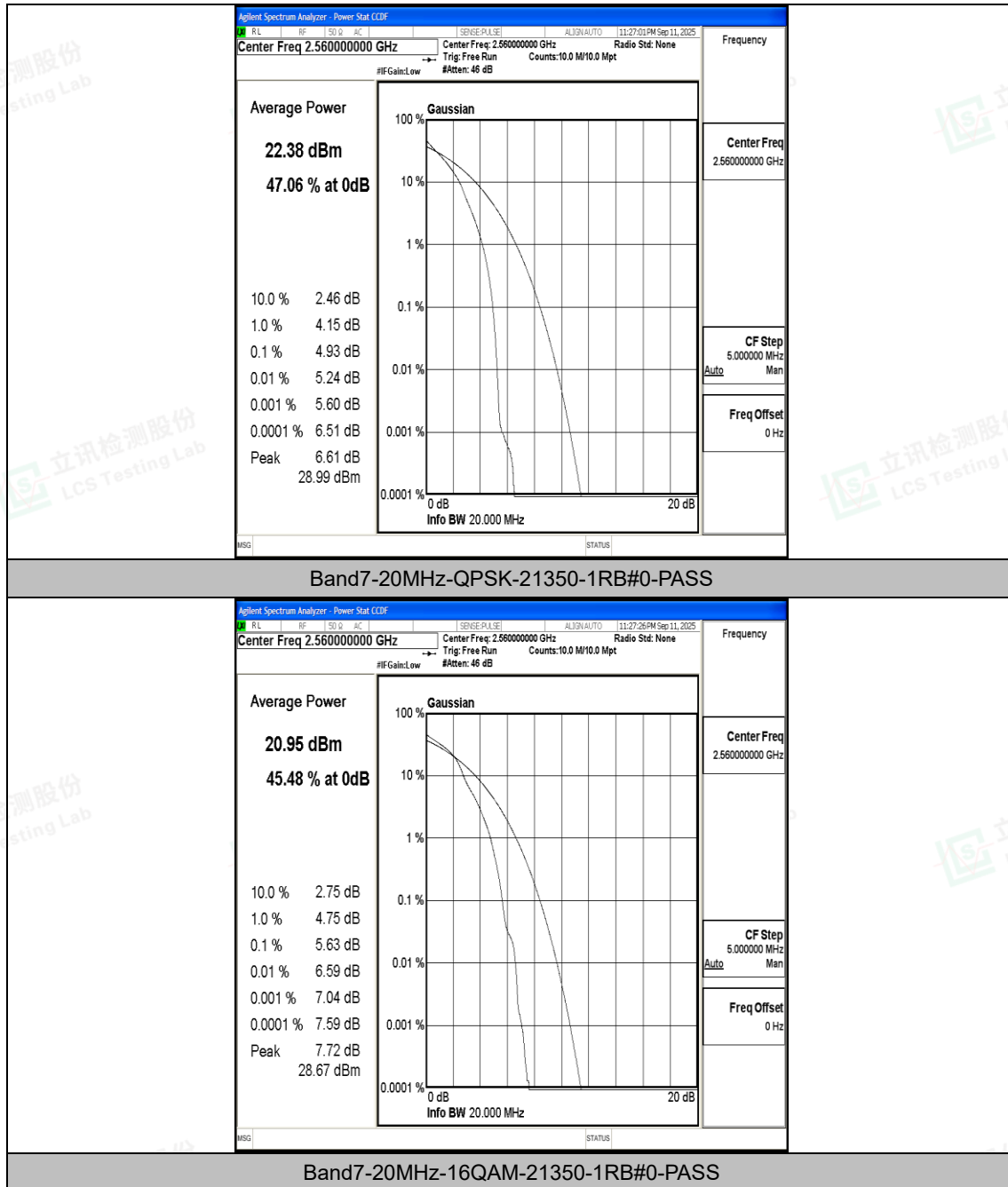


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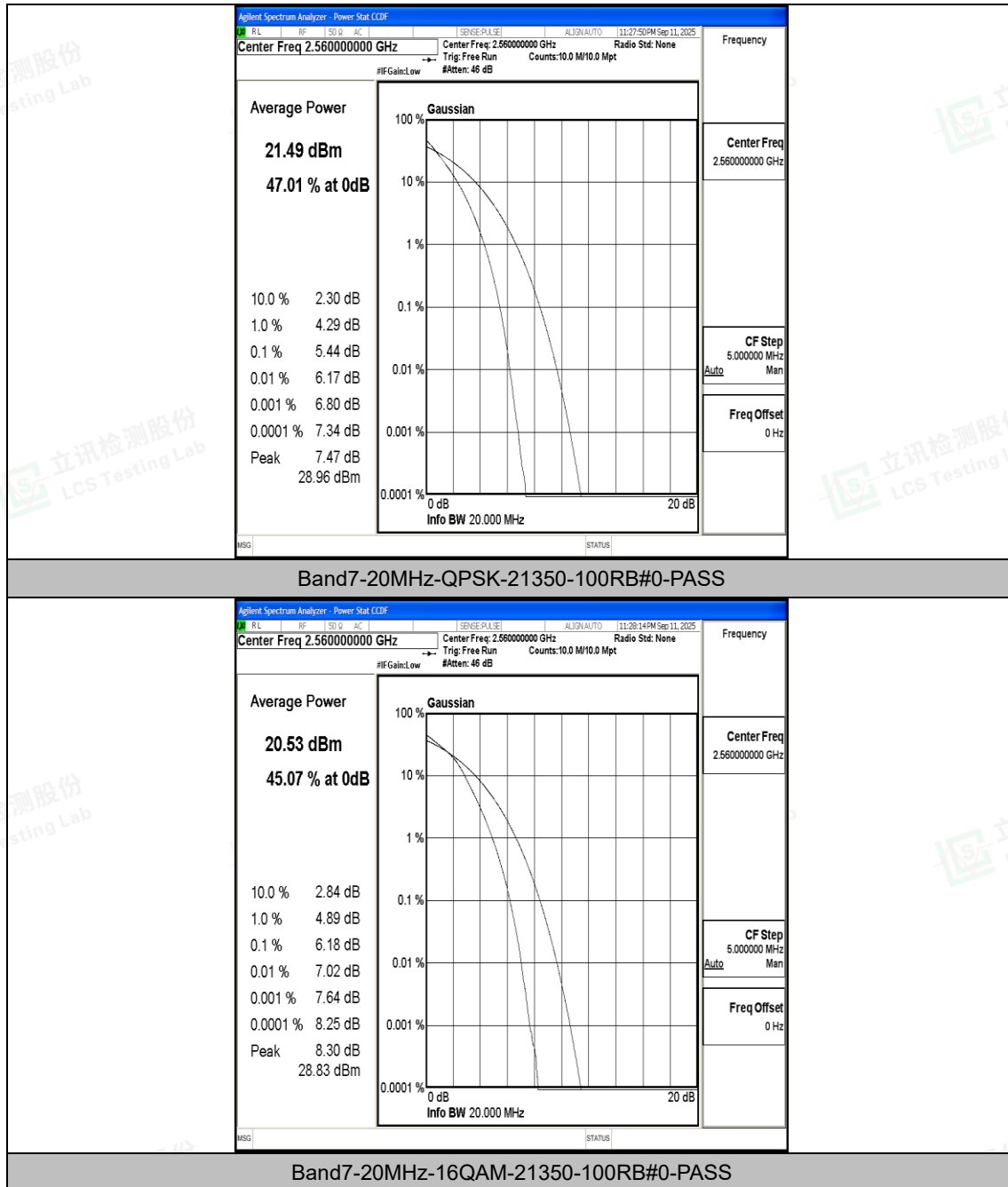


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I.3 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	4.5010	4.988	PASS
Band7	5MHz	16QAM	20775	25RB#0	4.5082	4.961	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.5115	4.964	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.5048	4.972	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.5045	4.962	PASS
Band7	5MHz	16QAM	21425	25RB#0	4.5127	4.972	PASS
Band7	10MHz	QPSK	20800	50RB#0	8.9791	9.873	PASS
Band7	10MHz	16QAM	20800	50RB#0	8.9842	9.923	PASS
Band7	10MHz	QPSK	21100	50RB#0	8.9848	9.943	PASS
Band7	10MHz	16QAM	21100	50RB#0	8.9868	9.938	PASS
Band7	10MHz	QPSK	21400	50RB#0	9.0023	9.901	PASS
Band7	10MHz	16QAM	21400	50RB#0	8.9869	9.965	PASS
Band7	15MHz	QPSK	20825	75RB#0	13.515	14.96	PASS
Band7	15MHz	16QAM	20825	75RB#0	13.482	14.89	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.522	15.00	PASS
Band7	15MHz	16QAM	21100	75RB#0	13.503	14.94	PASS
Band7	15MHz	QPSK	21375	75RB#0	13.475	14.97	PASS
Band7	15MHz	16QAM	21375	75RB#0	13.474	14.85	PASS
Band7	20MHz	QPSK	20850	100RB#0	17.958	19.76	PASS
Band7	20MHz	16QAM	20850	100RB#0	17.960	19.78	PASS
Band7	20MHz	QPSK	21100	100RB#0	18.021	19.64	PASS
Band7	20MHz	16QAM	21100	100RB#0	18.026	19.78	PASS
Band7	20MHz	QPSK	21350	100RB#0	18.016	19.74	PASS
Band7	20MHz	16QAM	21350	100RB#0	17.989	19.69	PASS



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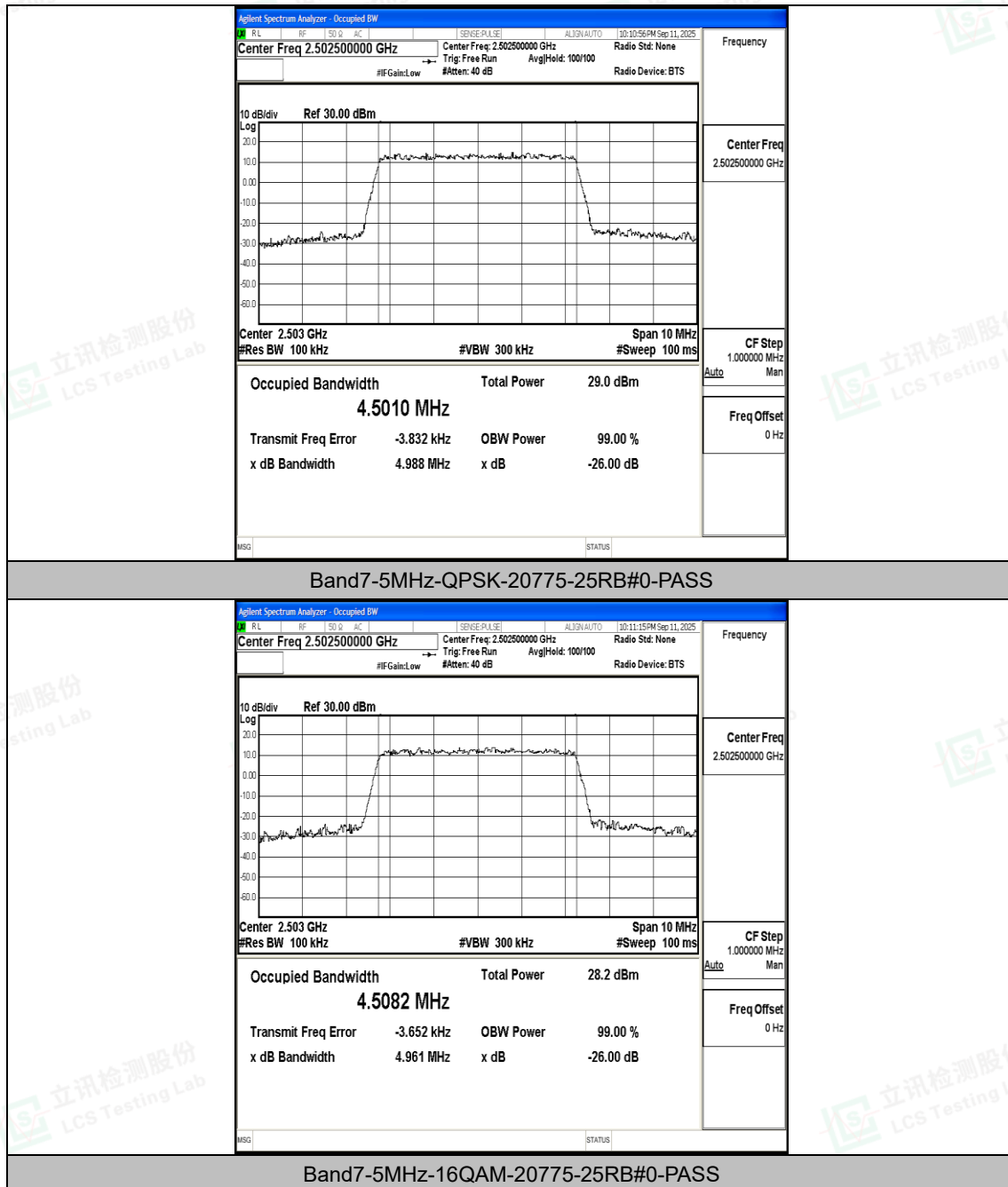
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Test Graphs

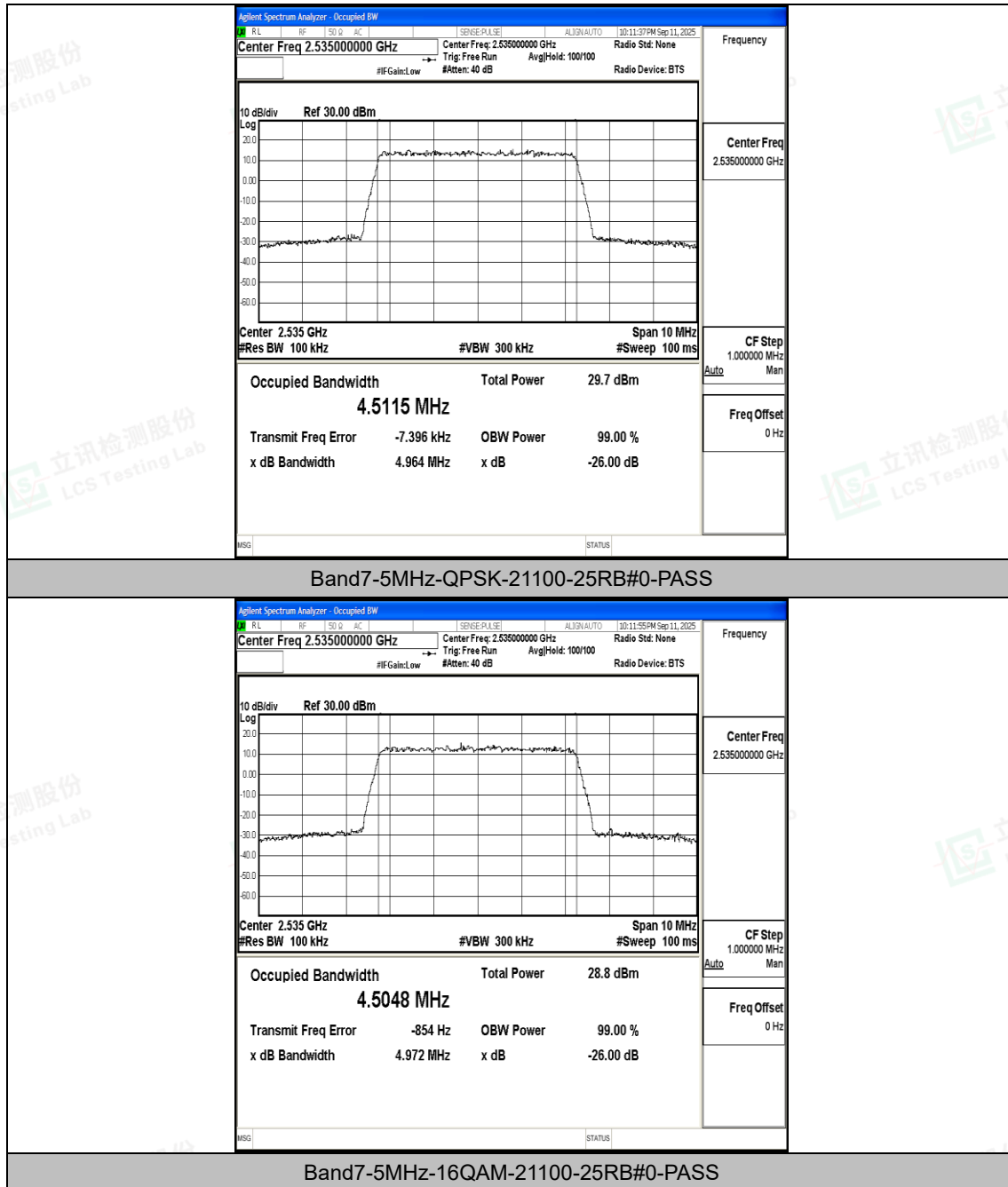


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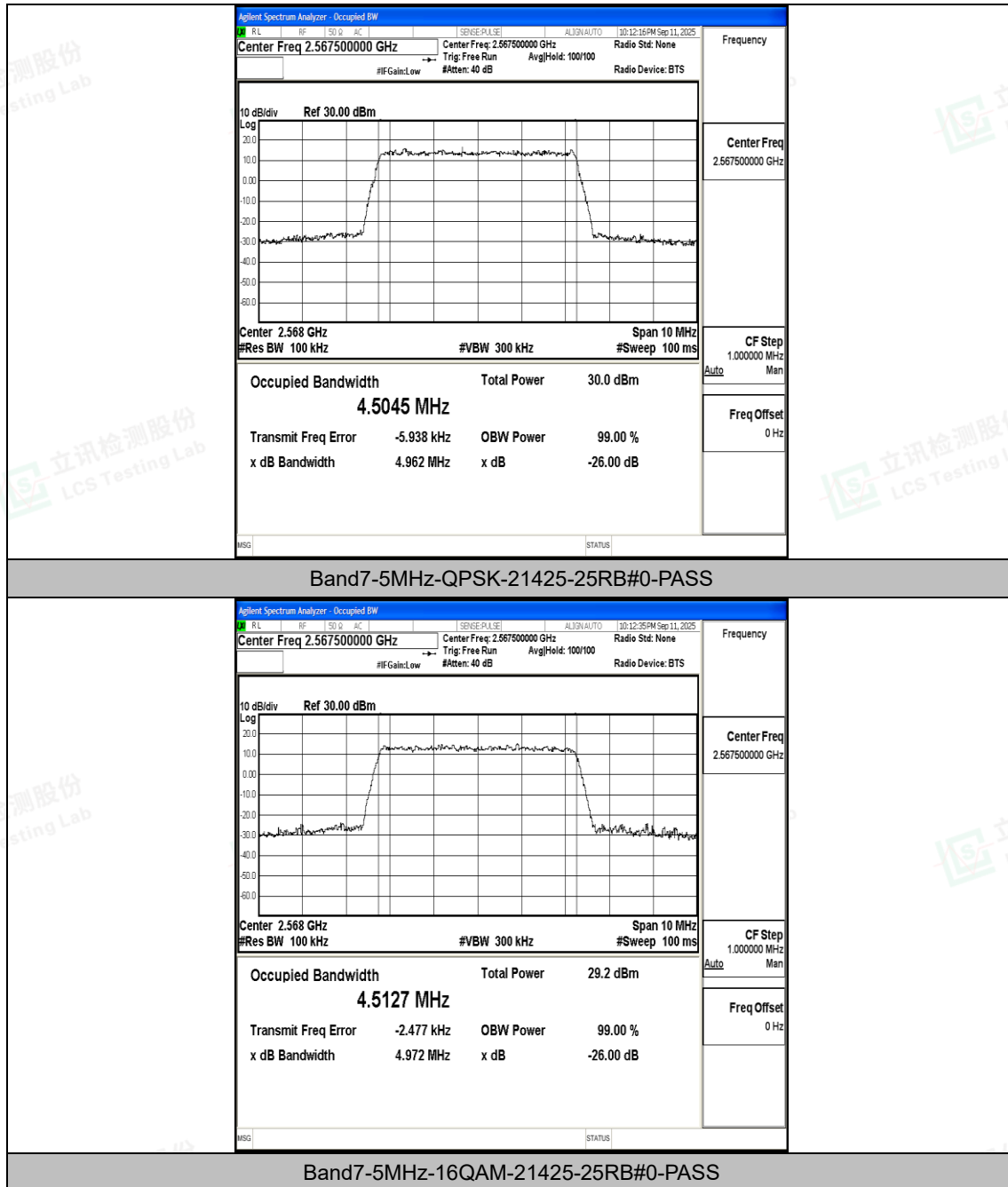


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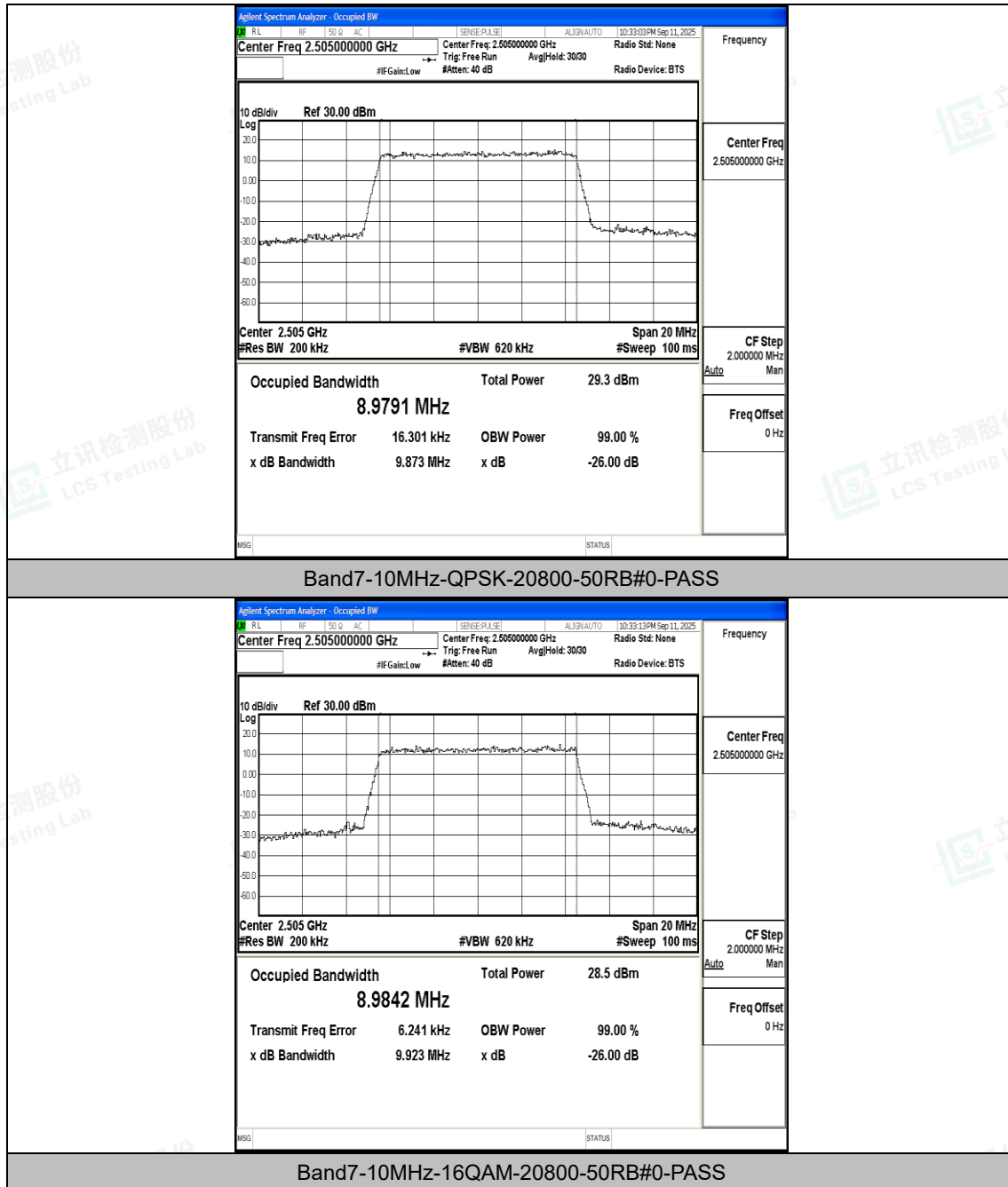


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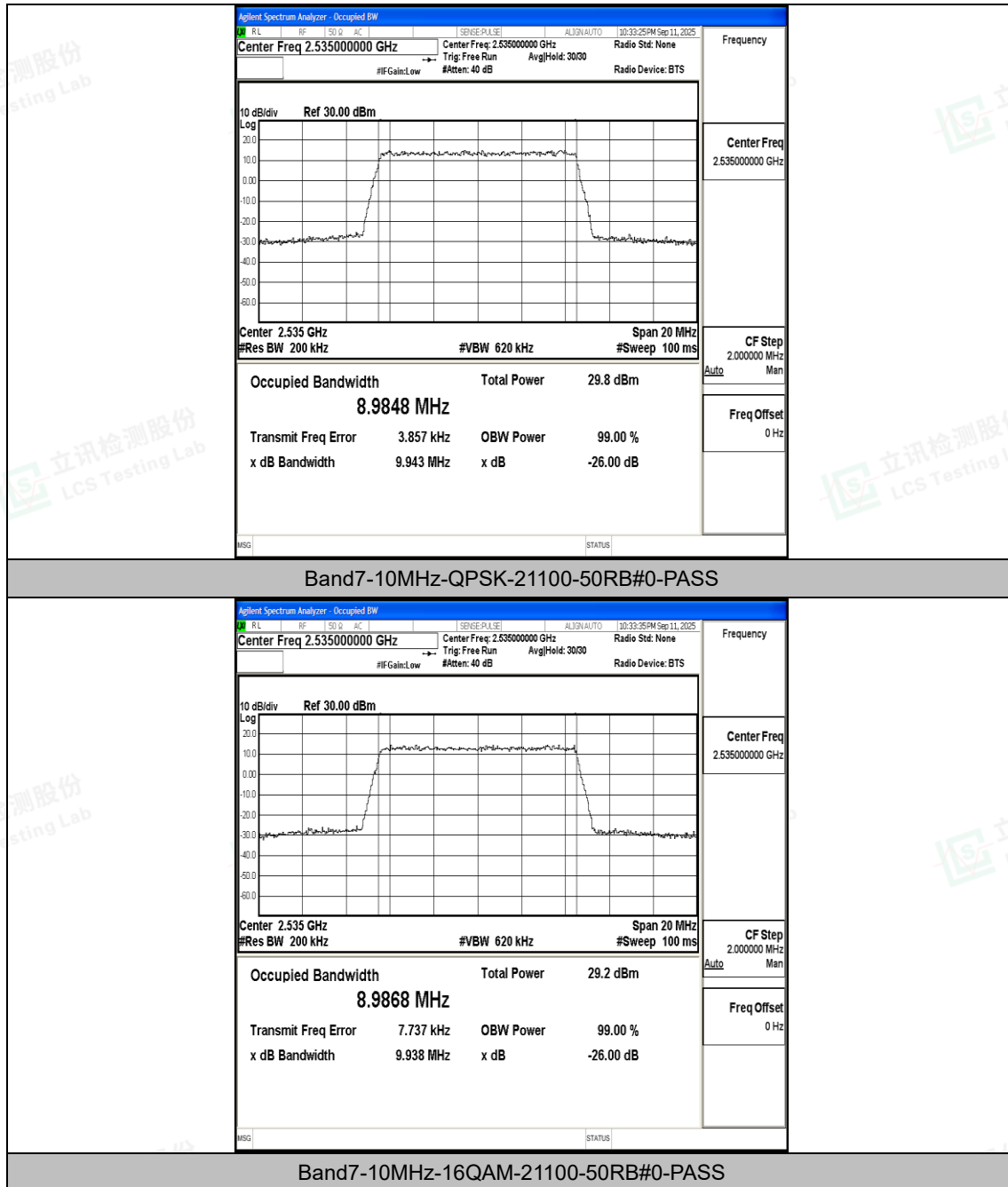


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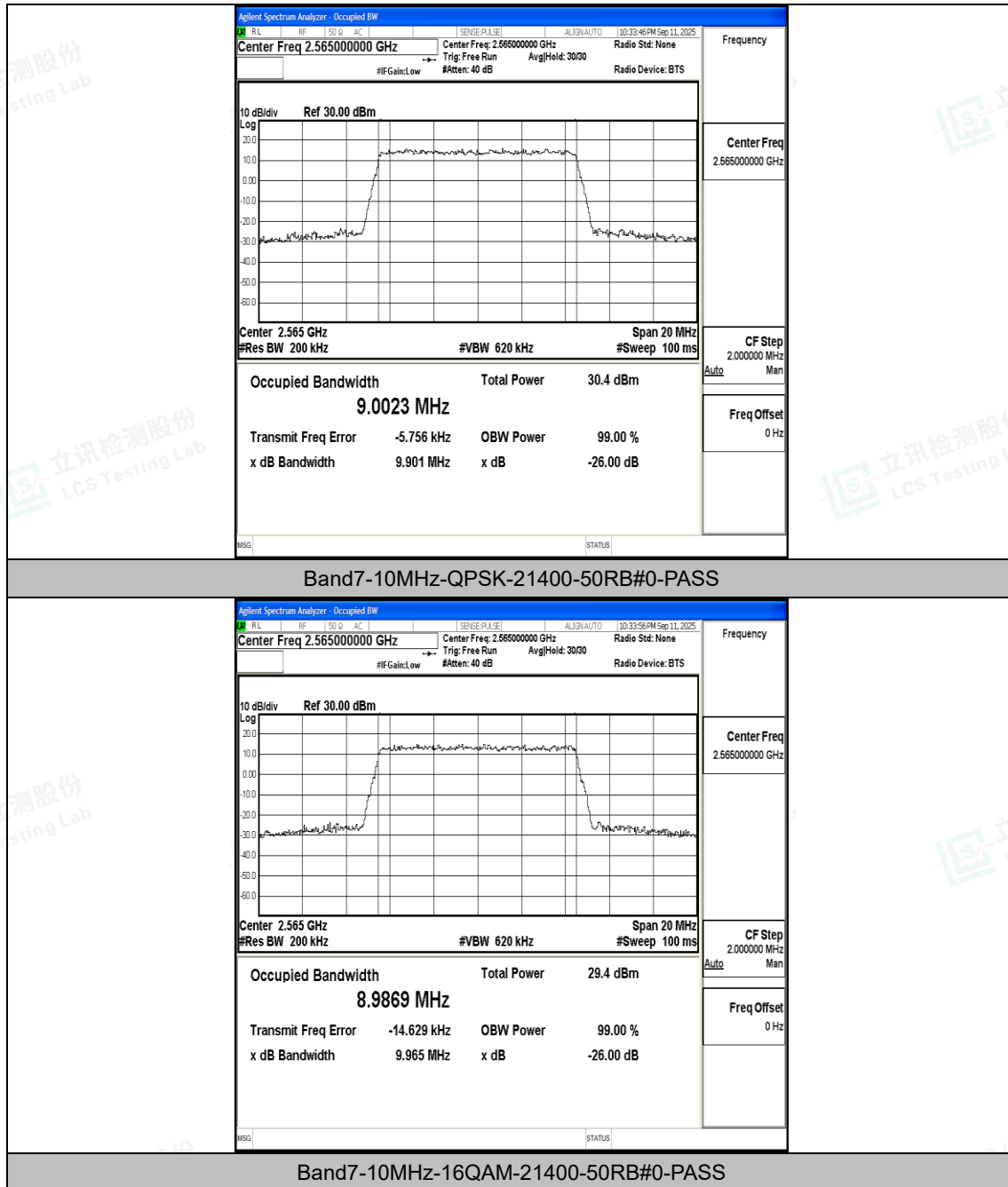


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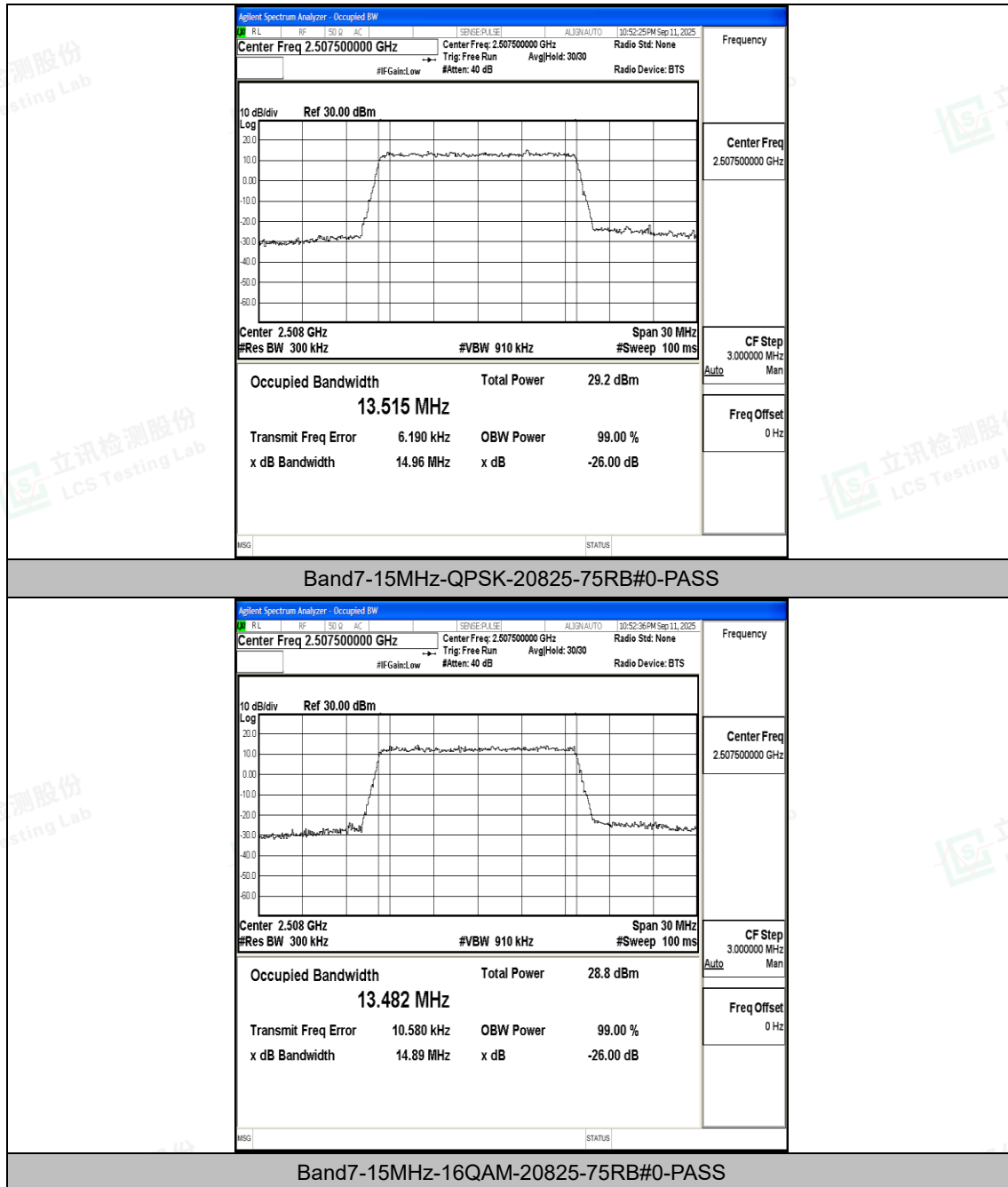


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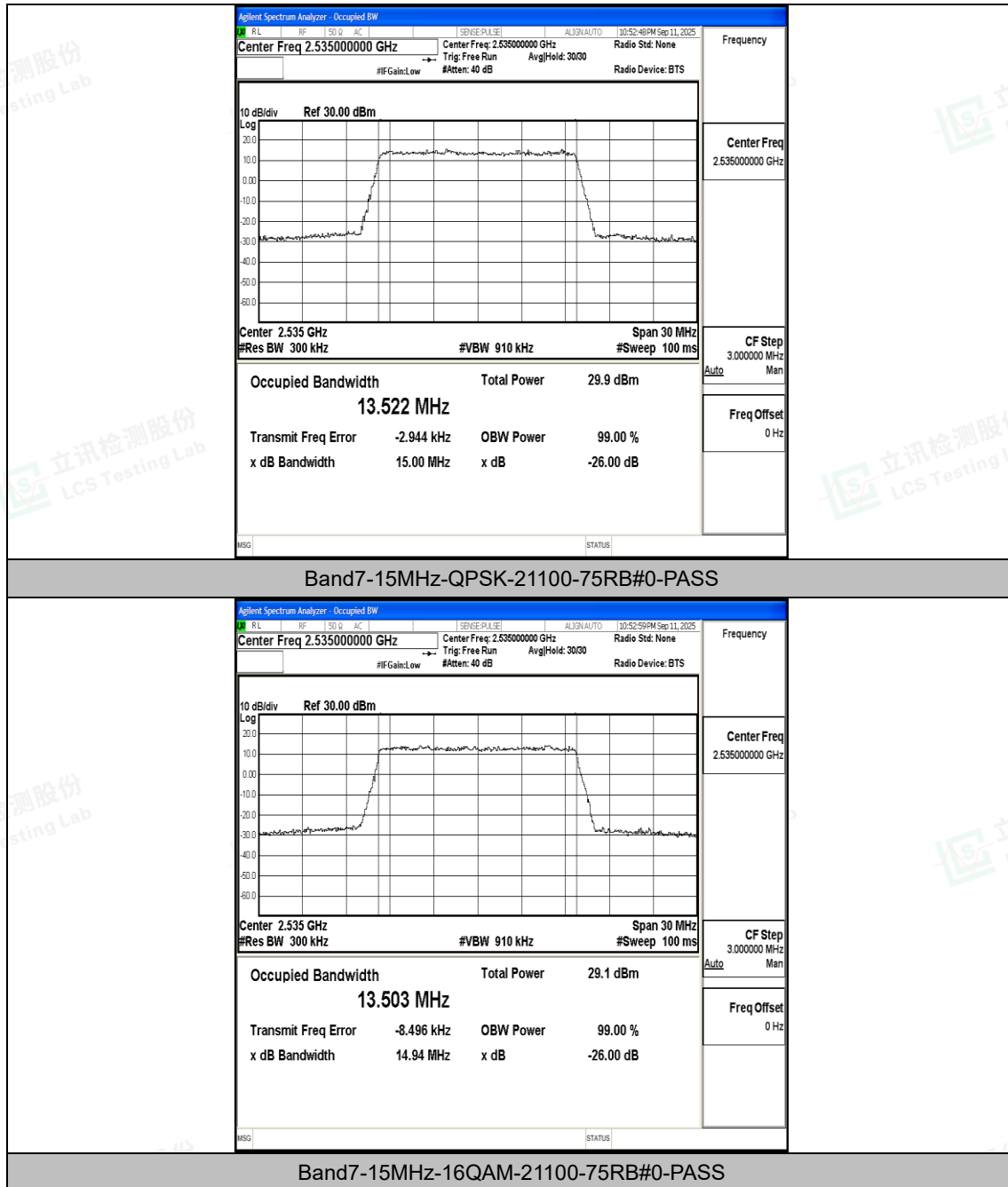


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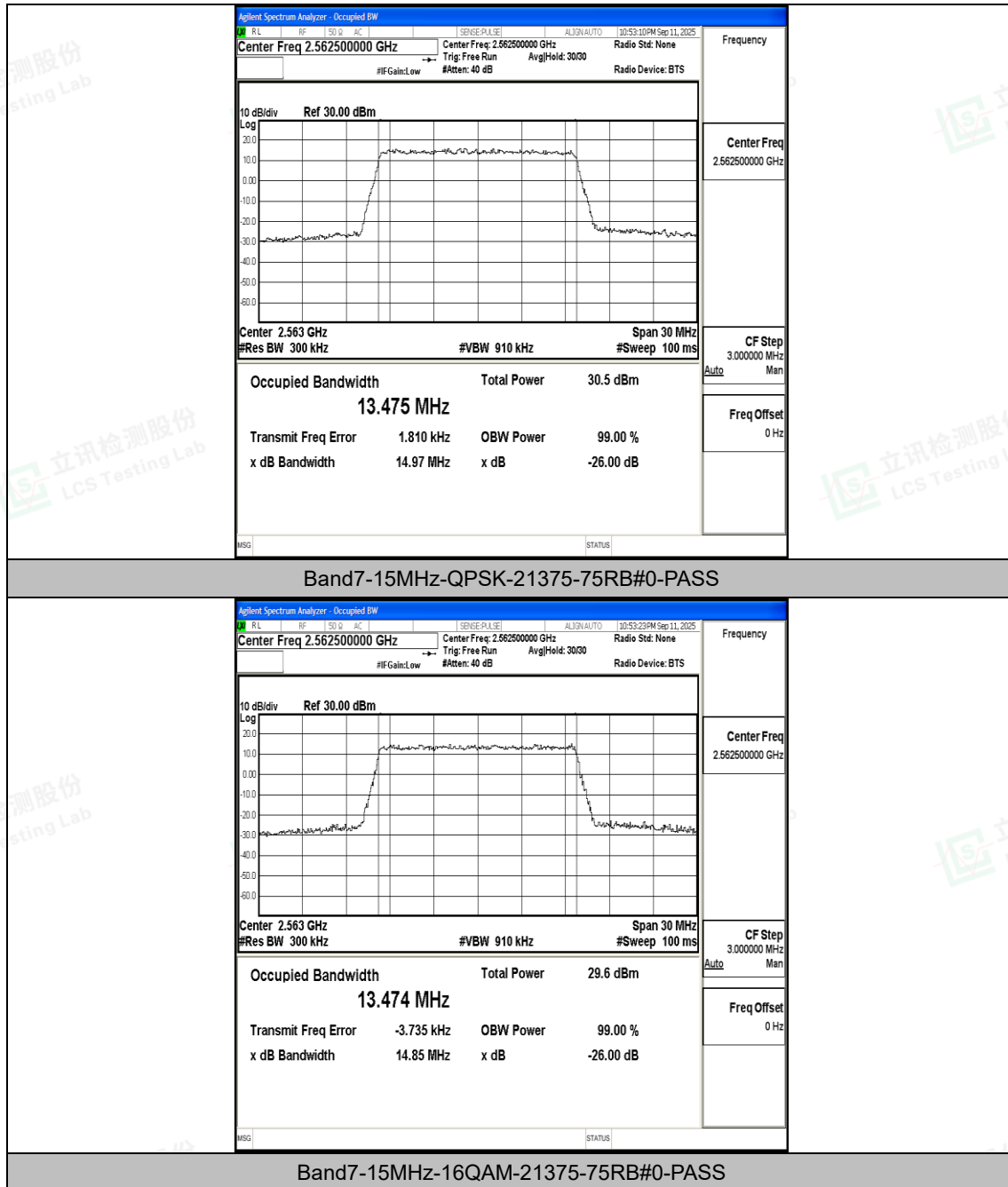


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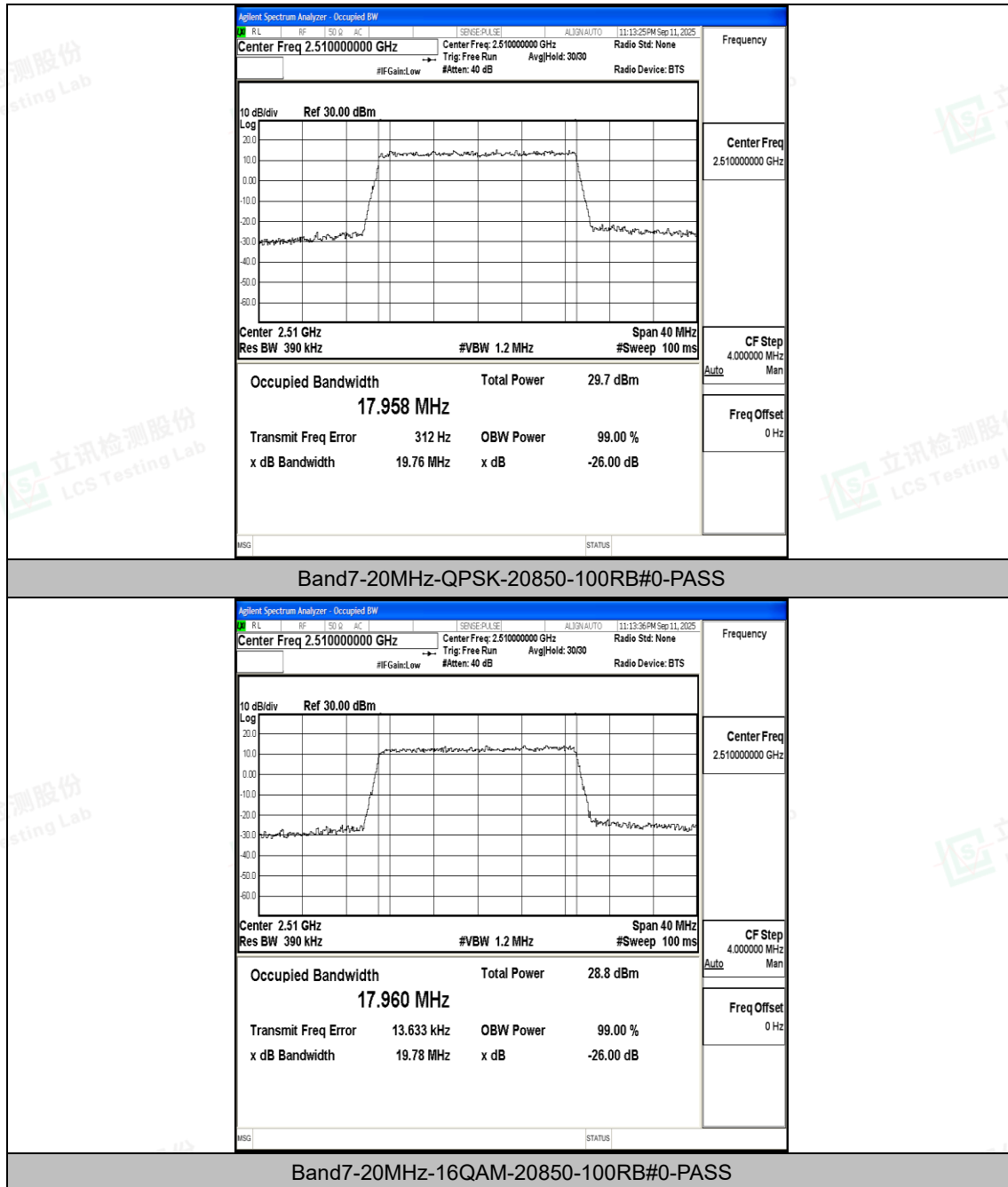


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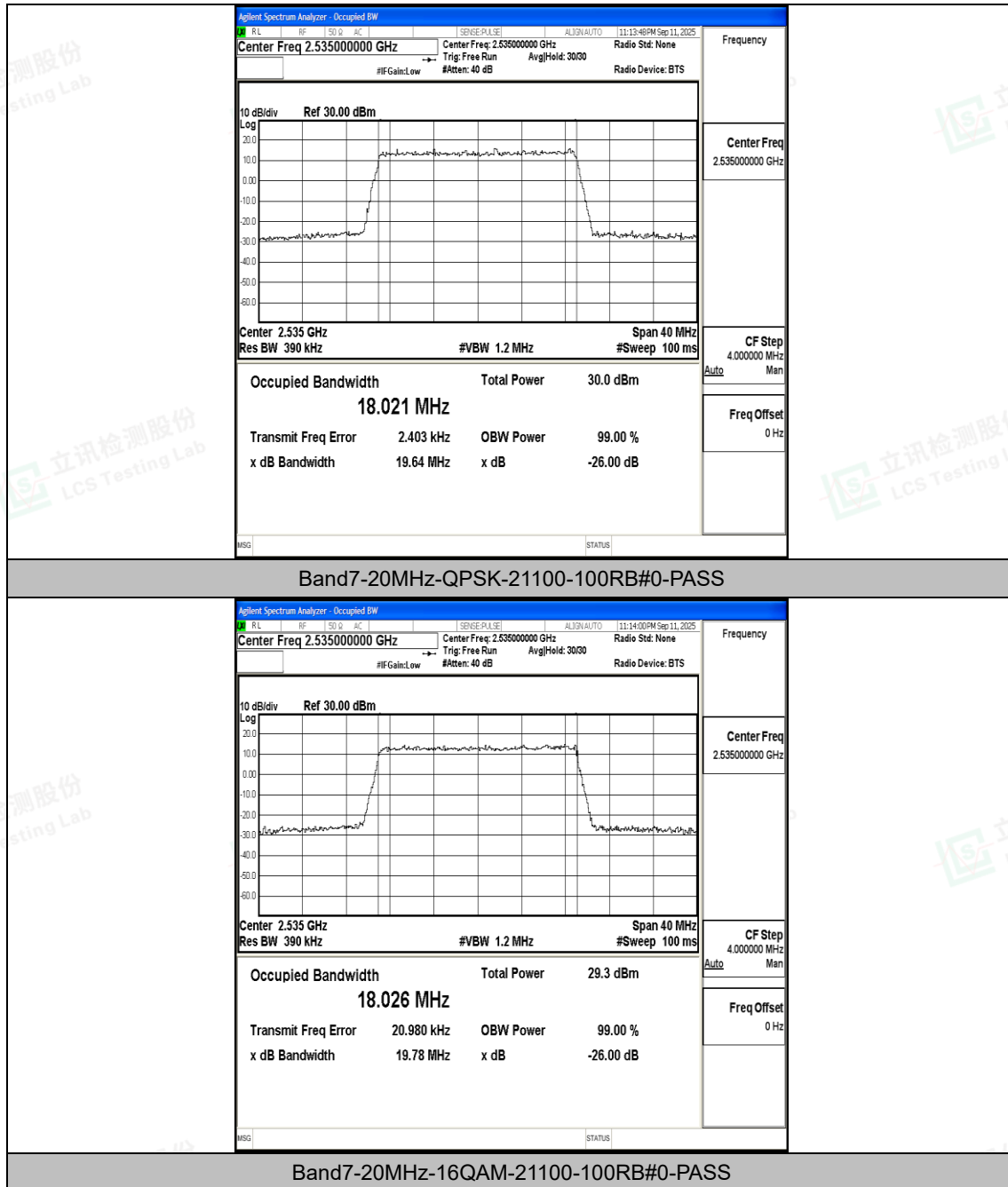


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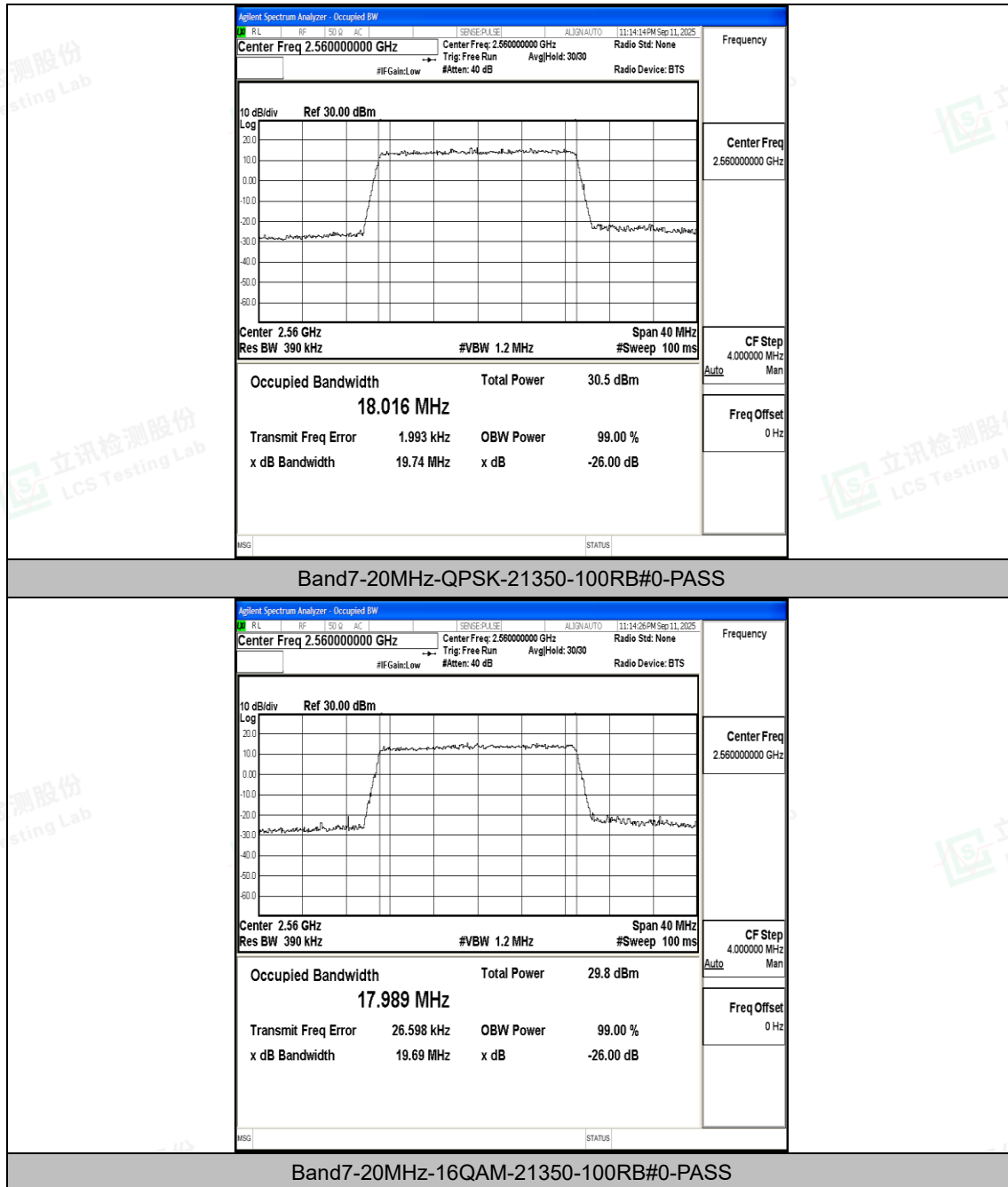


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