



Appendix H: Test Data for E-UTRA Band 38

Product Name: Tablet PC

Test Model: IRADUO PRO 5G

Environmental Conditions

Temperature:	23.5°C
Relative Humidity:	52.3%
ATM Pressure:	100.0 kPa
Test Engineer:	Paddi Chen
Supervised by:	Nick Peng





H.1 Conducted Output Power Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band38	5MHz	QPSK	37775	25RB#0	20.05	PASS
Band38	5MHz	16QAM	37775	25RB#0	19.32	PASS
Band38	5MHz	QPSK	38000	25RB#0	19.62	PASS
Band38	5MHz	16QAM	38000	25RB#0	18.87	PASS
Band38	5MHz	QPSK	38225	25RB#0	20.52	PASS
Band38	5MHz	16QAM	38225	25RB#0	19.81	PASS
Band38	10MHz	QPSK	37800	50RB#0	21.03	PASS
Band38	10MHz	16QAM	37800	50RB#0	20.25	PASS
Band38	10MHz	QPSK	38000	50RB#0	20.70	PASS
Band38	10MHz	16QAM	38000	50RB#0	19.98	PASS
Band38	10MHz	QPSK	38200	50RB#0	20.59	PASS
Band38	10MHz	16QAM	38200	50RB#0	19.84	PASS
Band38	15MHz	QPSK	37825	75RB#0	21.11	PASS
Band38	15MHz	16QAM	37825	75RB#0	20.42	PASS
Band38	15MHz	QPSK	38000	75RB#0	20.83	PASS
Band38	15MHz	16QAM	38000	75RB#0	20.10	PASS
Band38	15MHz	QPSK	38175	75RB#0	20.57	PASS
Band38	15MHz	16QAM	38175	75RB#0	19.91	PASS
Band38	20MHz	QPSK	37850	100RB#0	3.66	PASS
Band38	20MHz	16QAM	37850	100RB#0	2.77	PASS
Band38	20MHz	QPSK	38000	100RB#0	3.41	PASS
Band38	20MHz	16QAM	38000	100RB#0	2.51	PASS
Band38	20MHz	QPSK	38150	100RB#0	2.96	PASS
Band38	20MHz	16QAM	38150	100RB#0	2.38	PASS





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

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band38	5MHz	QPSK	37775	25RB#0	9.01	13	PASS
Band38	5MHz	16QAM	37775	25RB#0	9.71	13	PASS
Band38	5MHz	QPSK	38000	25RB#0	9.02	13	PASS
Band38	5MHz	16QAM	38000	25RB#0	9.60	13	PASS
Band38	5MHz	QPSK	38225	25RB#0	8.85	13	PASS
Band38	5MHz	16QAM	38225	25RB#0	9.52	13	PASS
Band38	10MHz	QPSK	37800	50RB#0	9.22	13	PASS
Band38	10MHz	16QAM	37800	50RB#0	9.64	13	PASS
Band38	10MHz	QPSK	38000	50RB#0	9.31	13	PASS
Band38	10MHz	16QAM	38000	50RB#0	10.08	13	PASS
Band38	10MHz	QPSK	38200	50RB#0	8.89	13	PASS
Band38	10MHz	16QAM	38200	50RB#0	9.51	13	PASS
Band38	15MHz	QPSK	37825	75RB#0	9.47	13	PASS
Band38	15MHz	16QAM	37825	75RB#0	9.99	13	PASS
Band38	15MHz	QPSK	38000	75RB#0	9.53	13	PASS
Band38	15MHz	16QAM	38000	75RB#0	10.18	13	PASS
Band38	15MHz	QPSK	38175	75RB#0	9.46	13	PASS
Band38	15MHz	16QAM	38175	75RB#0	9.83	13	PASS
Band38	20MHz	QPSK	37850	100RB#0	9.14	13	PASS
Band38	20MHz	16QAM	37850	100RB#0	9.77	13	PASS
Band38	20MHz	QPSK	38000	100RB#0	9.14	13	PASS
Band38	20MHz	16QAM	38000	100RB#0	9.69	13	PASS
Band38	20MHz	QPSK	38150	100RB#0	8.82	13	PASS
Band38	20MHz	16QAM	38150	100RB#0	9.50	13	PASS



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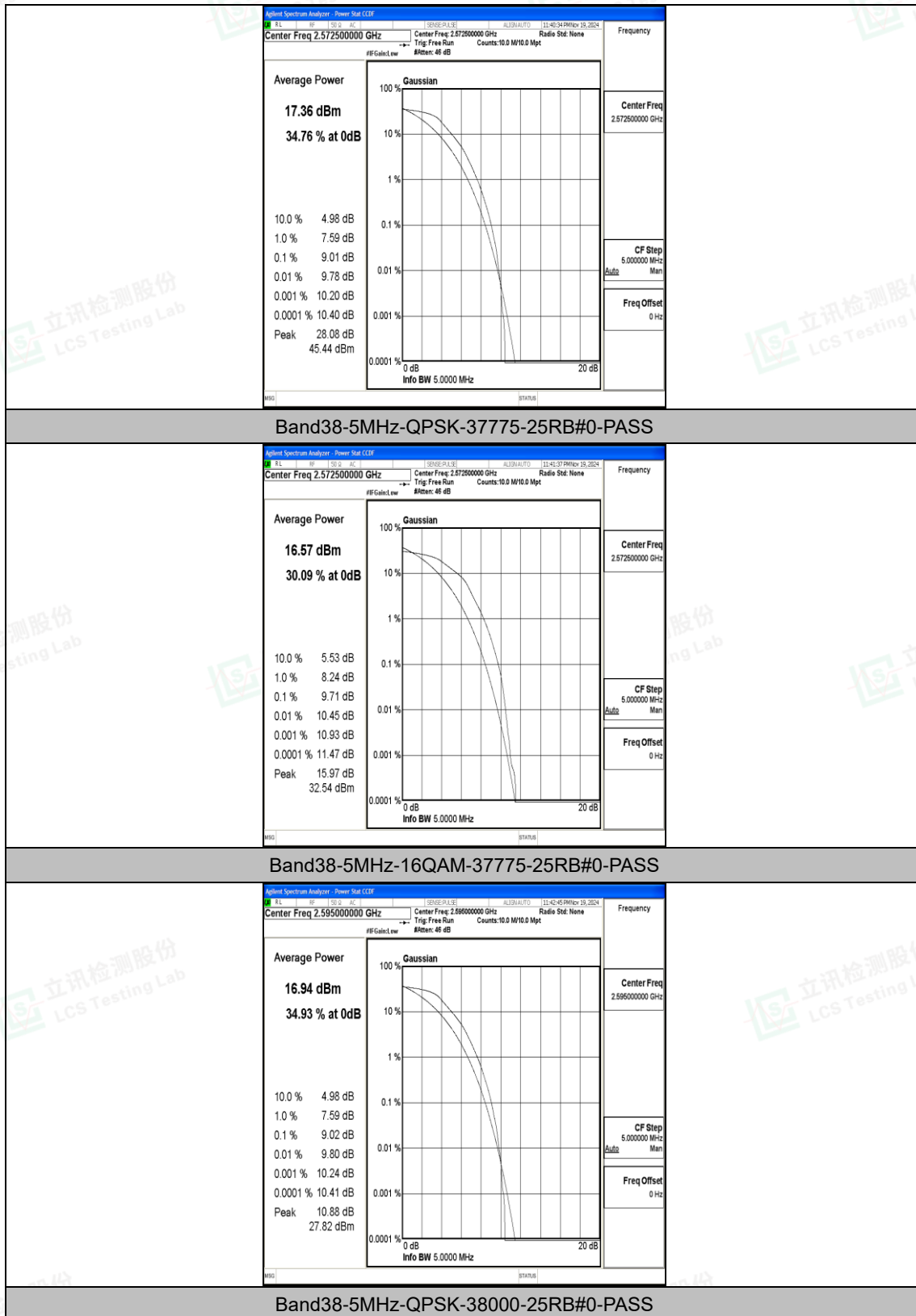
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Test Graphs





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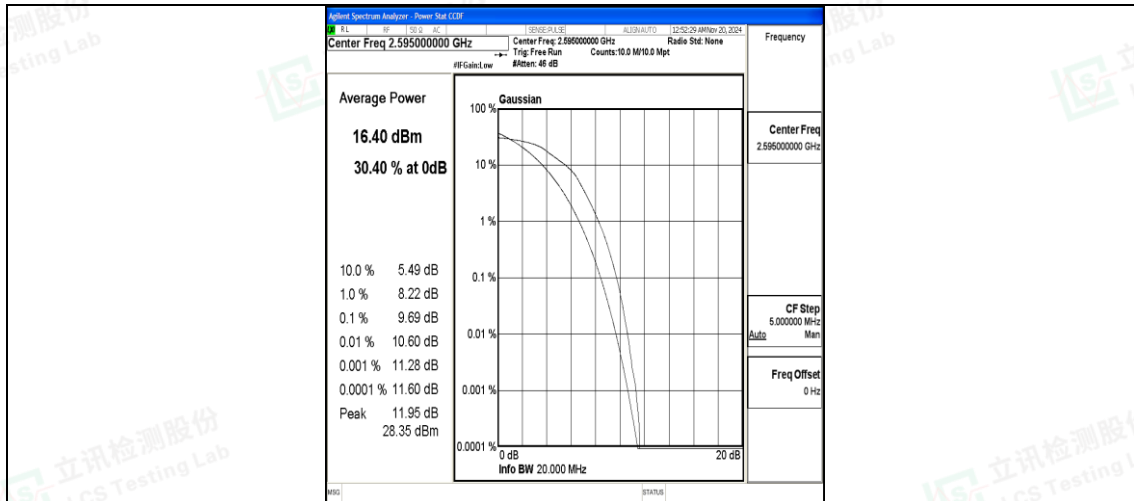




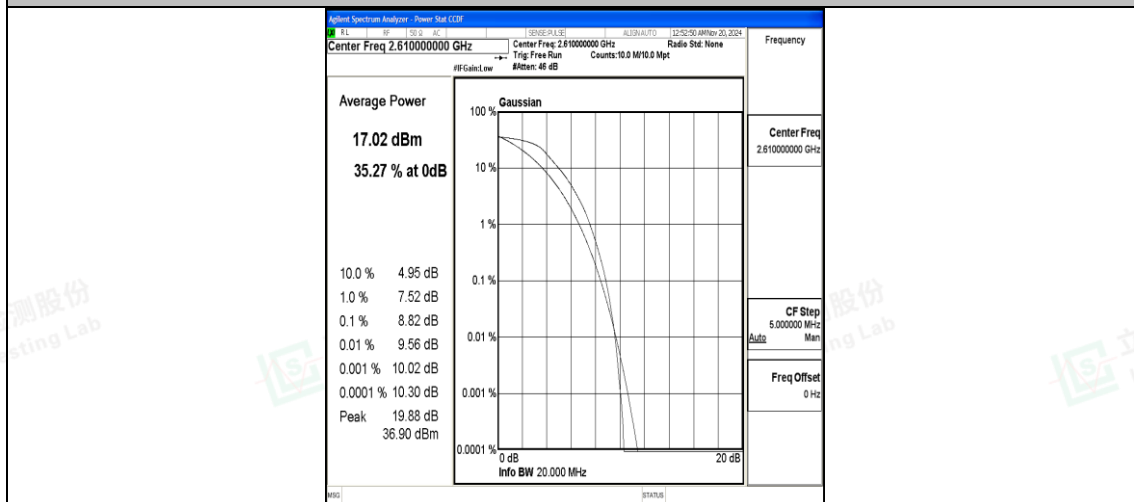




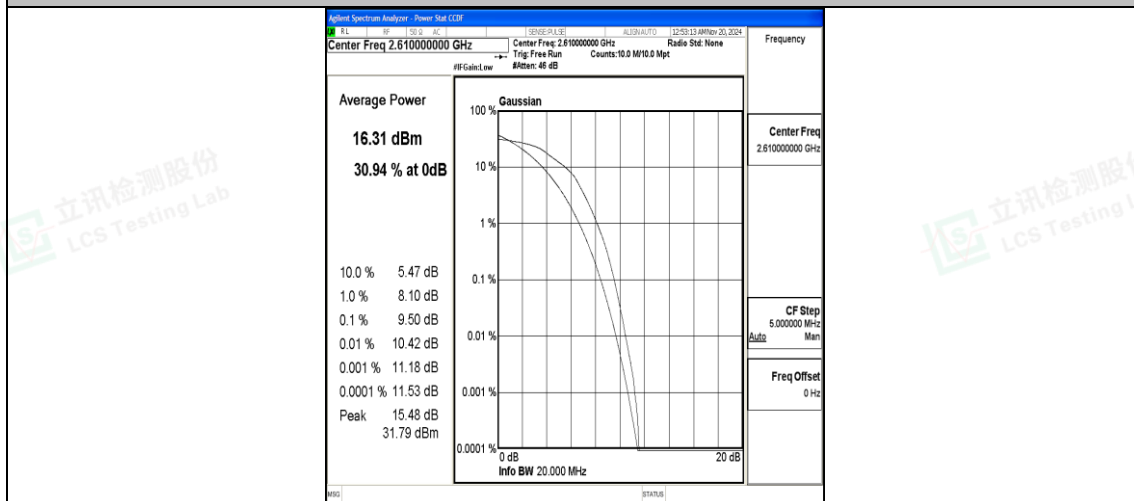




Band38-20MHz-16QAM-38000-100RB#0-PASS



Band38-20MHz-QPSK-38150-100RB#0-PASS



Band38-20MHz-16QAM-38150-100RB#0-PASS



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H.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	4.5107	5.216	PASS
Band38	5MHz	16QAM	37775	25RB#0	4.5114	5.345	PASS
Band38	5MHz	QPSK	38000	25RB#0	4.5206	5.252	PASS
Band38	5MHz	16QAM	38000	25RB#0	4.5116	5.411	PASS
Band38	5MHz	QPSK	38225	25RB#0	4.4927	5.252	PASS
Band38	5MHz	16QAM	38225	25RB#0	4.4975	5.215	PASS
Band38	10MHz	QPSK	37800	50RB#0	8.9888	10.17	PASS
Band38	10MHz	16QAM	37800	50RB#0	8.9756	10.07	PASS
Band38	10MHz	QPSK	38000	50RB#0	8.9885	10.13	PASS
Band38	10MHz	16QAM	38000	50RB#0	8.9914	10.06	PASS
Band38	10MHz	QPSK	38200	50RB#0	9.0111	10.12	PASS
Band38	10MHz	16QAM	38200	50RB#0	9.0118	11.01	PASS
Band38	15MHz	QPSK	37825	75RB#0	13.526	15.28	PASS
Band38	15MHz	16QAM	37825	75RB#0	13.519	15.24	PASS
Band38	15MHz	QPSK	38000	75RB#0	13.549	15.92	PASS
Band38	15MHz	16QAM	38000	75RB#0	13.519	15.47	PASS
Band38	15MHz	QPSK	38175	75RB#0	13.500	16.22	PASS
Band38	15MHz	16QAM	38175	75RB#0	13.572	16.02	PASS
Band38	20MHz	QPSK	37850	100RB#0	18.004	20.93	PASS
Band38	20MHz	16QAM	37850	100RB#0	18.016	20.30	PASS
Band38	20MHz	QPSK	38000	100RB#0	17.941	20.67	PASS
Band38	20MHz	16QAM	38000	100RB#0	17.998	20.33	PASS
Band38	20MHz	QPSK	38150	100RB#0	17.949	19.92	PASS
Band38	20MHz	16QAM	38150	100RB#0	18.022	20.76	PASS





Test Graphs

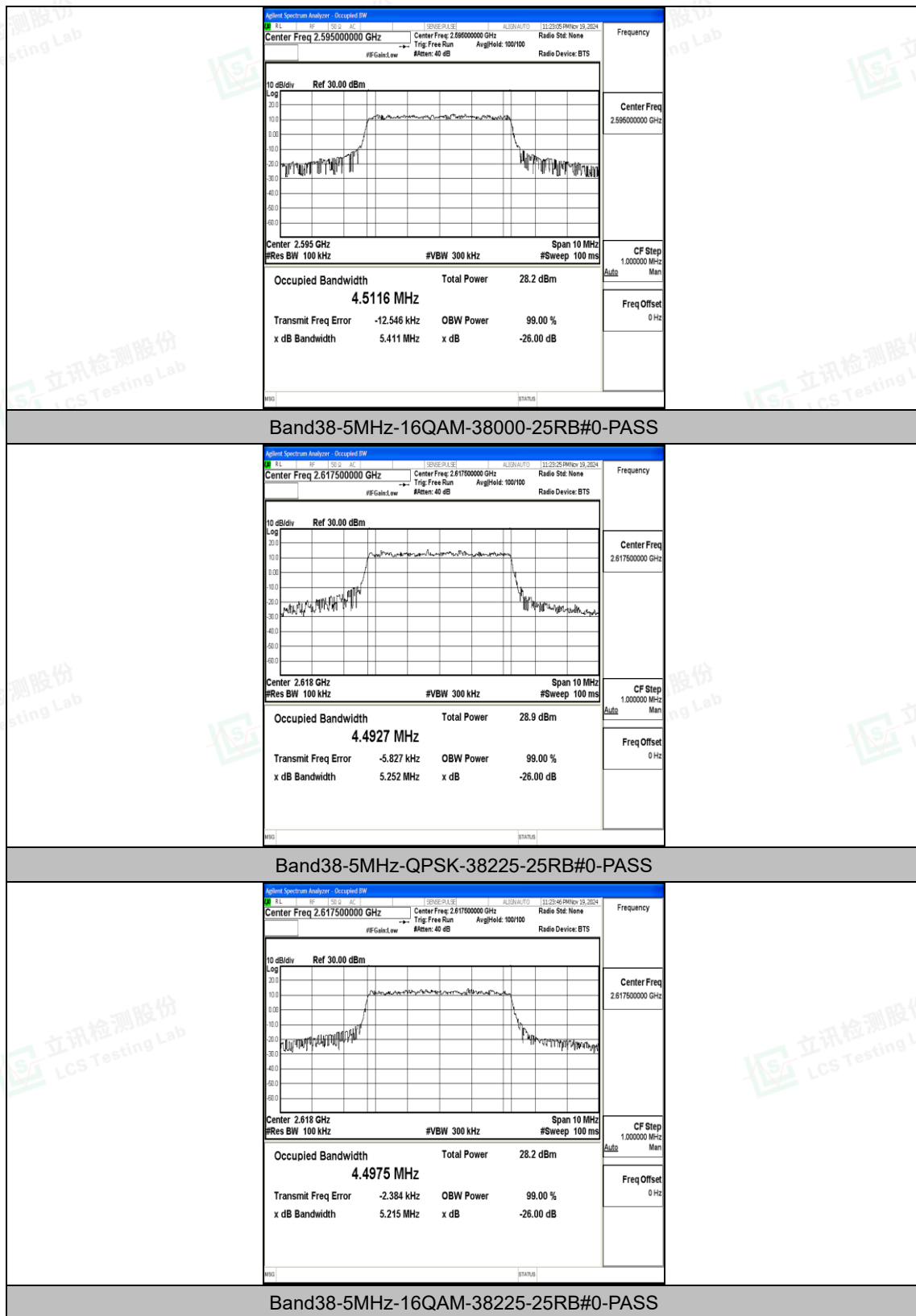


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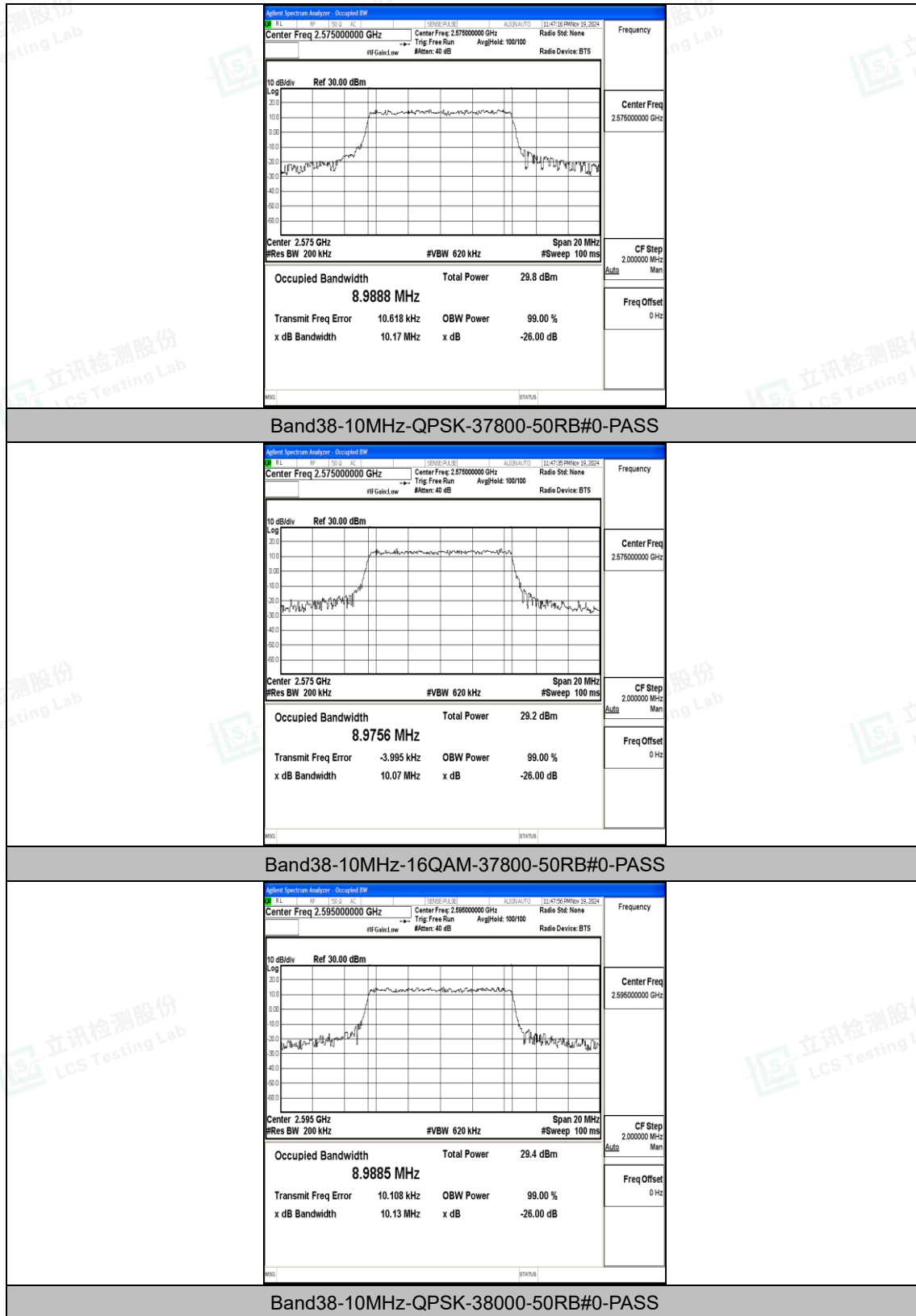


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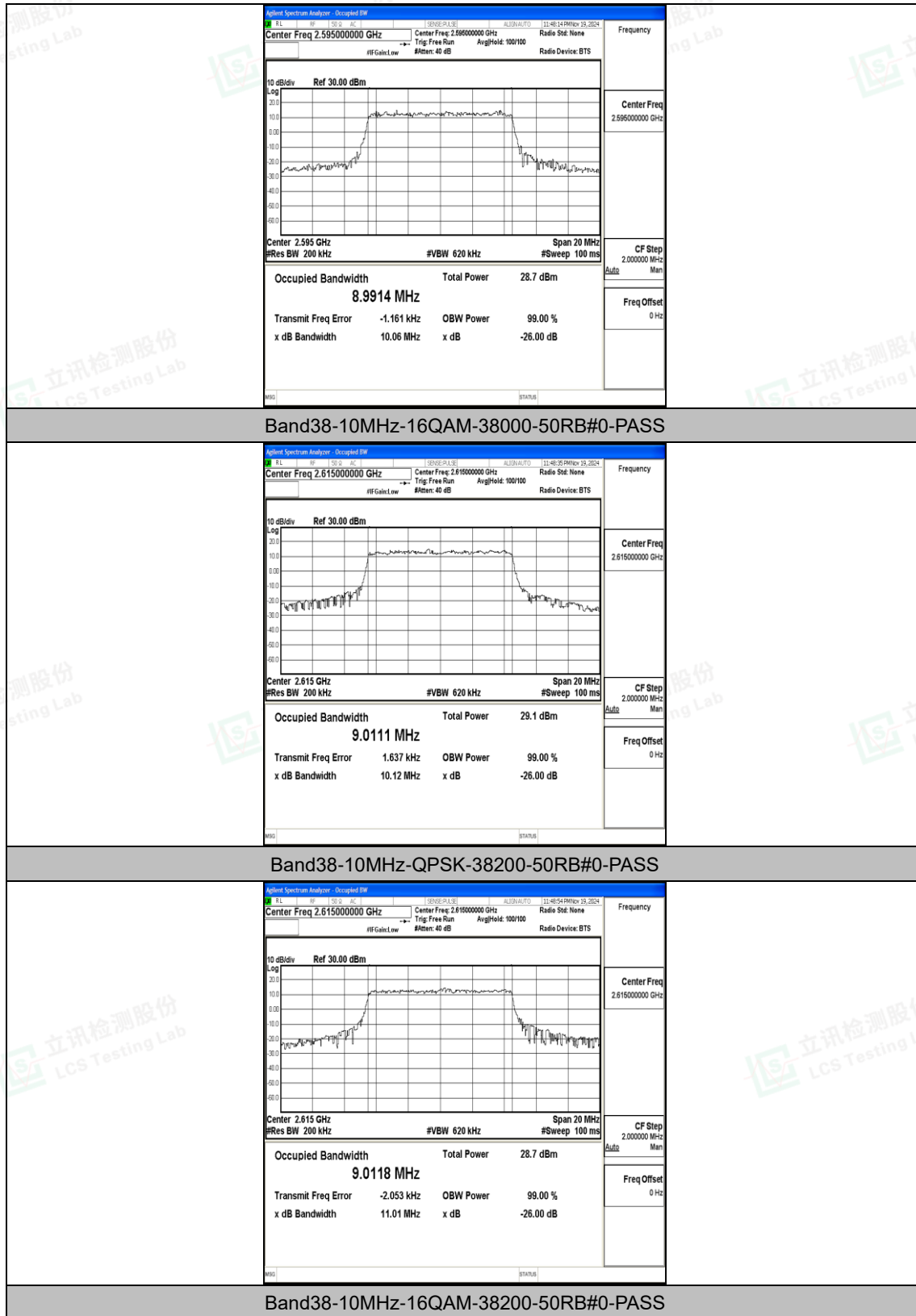


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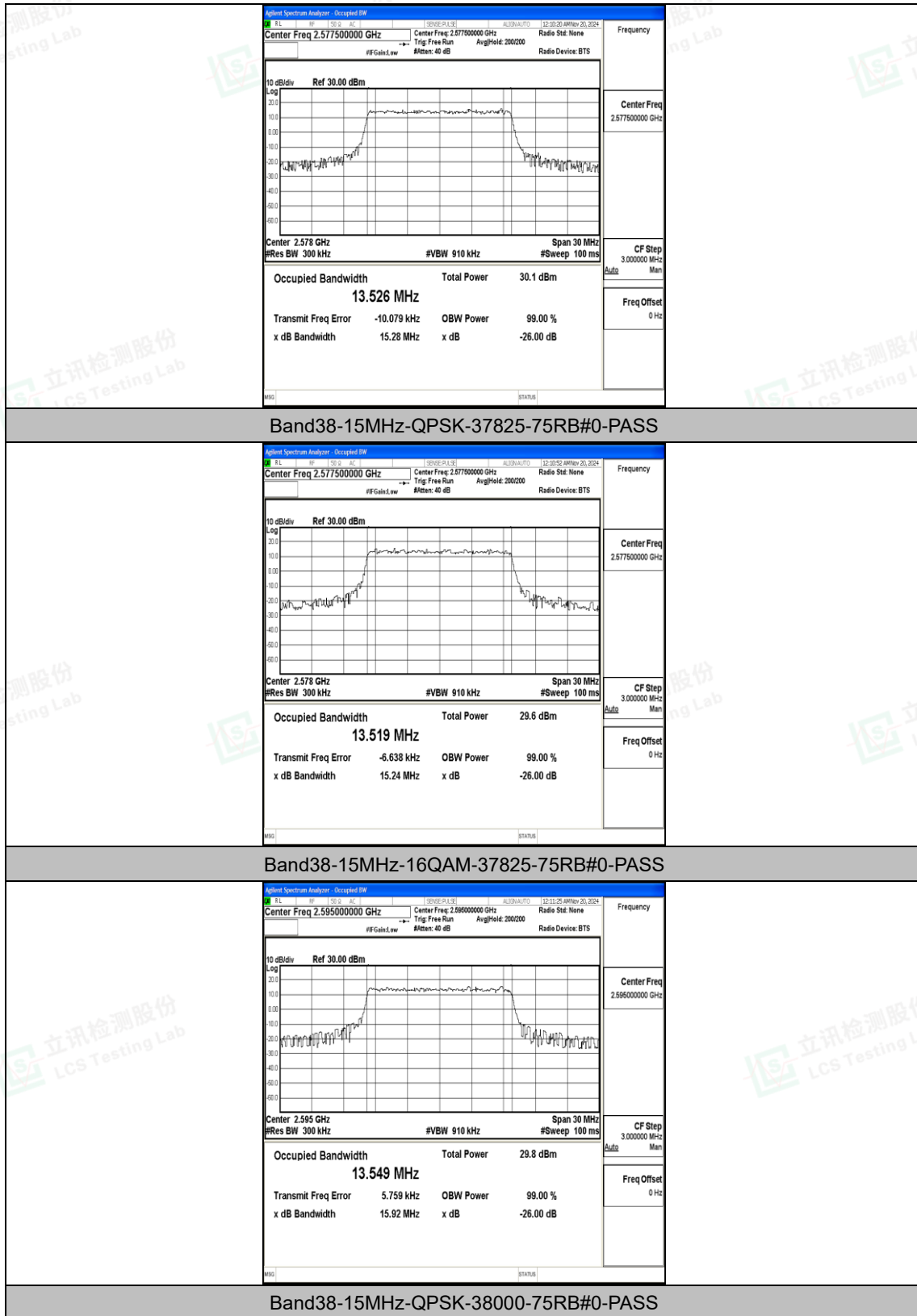


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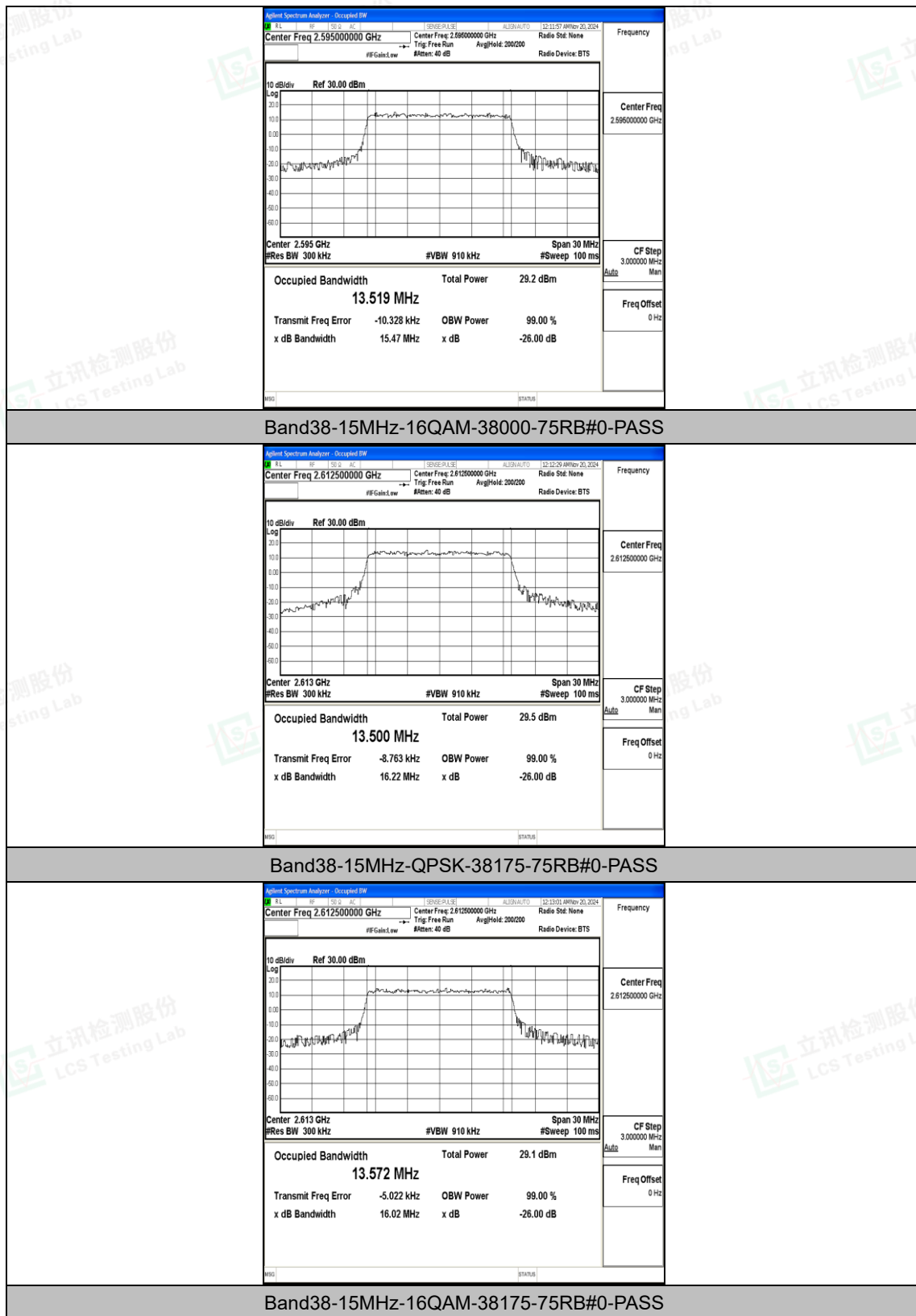


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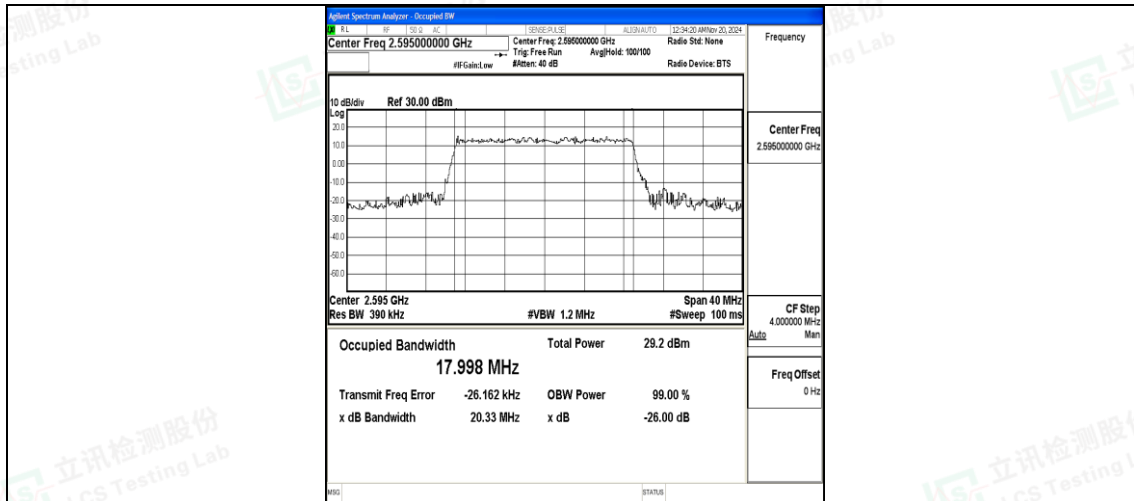


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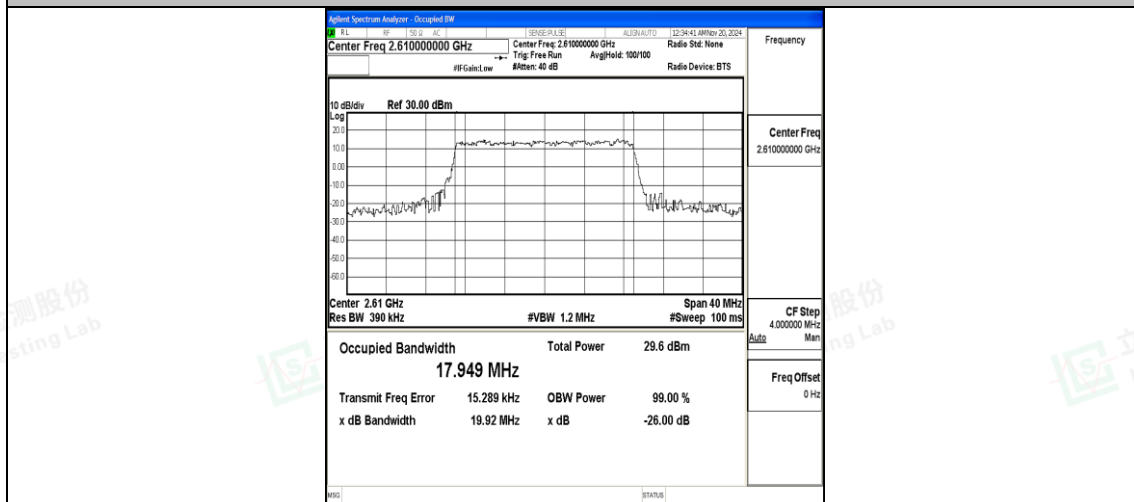
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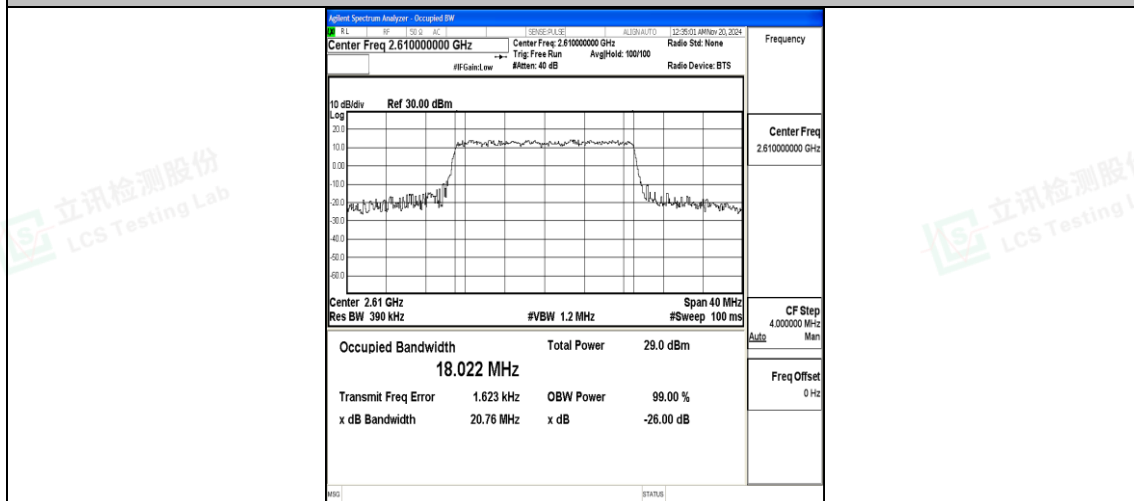
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Band38-20MHz-16QAM-38000-100RB#0-PASS



Band38-20MHz-QPSK-38150-100RB#0-PASS



Band38-20MHz-16QAM-38150-100RB#0-PASS



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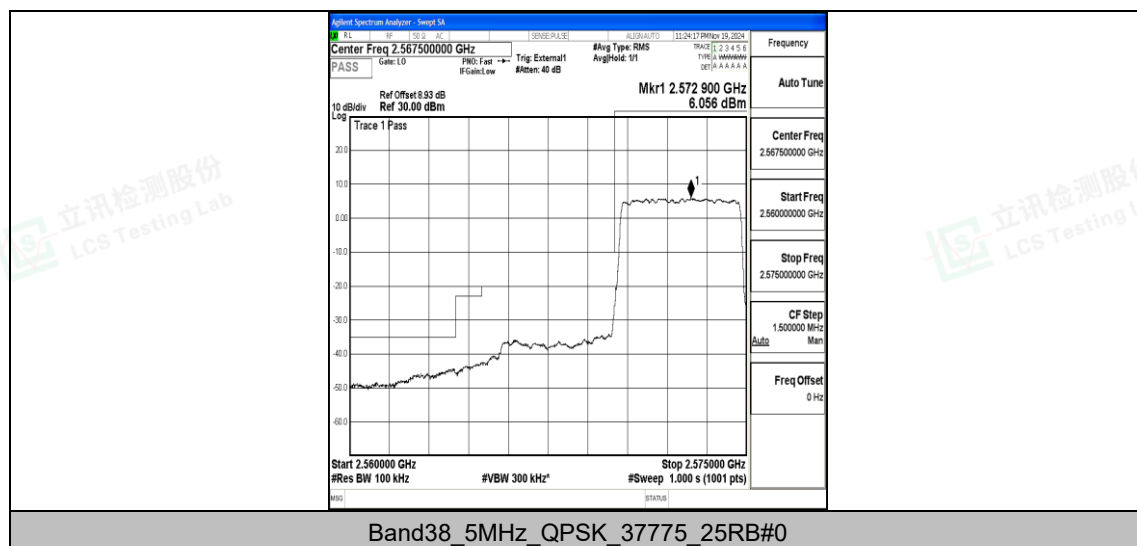


H.4 Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Peak Frequency	Result(dBm)	Verdict
Band38	5MHz	QPSK	37775	25RB#0	2563.92	-44.35	PASS
Band38	5MHz	16QAM	37775	25RB#0	2563.81	-44.94	PASS
Band38	5MHz	QPSK	38225	25RB#0	2626.16	-44.23	PASS
Band38	5MHz	16QAM	38225	25RB#0	2626.01	-45.04	PASS
Band38	10MHz	QPSK	37800	50RB#0	2560.00	-41.64	PASS
Band38	10MHz	16QAM	37800	50RB#0	2559.95	-41.46	PASS
Band38	10MHz	QPSK	38200	50RB#0	2630.50	-41.37	PASS
Band38	10MHz	16QAM	38200	50RB#0	2630.03	-40.82	PASS
Band38	15MHz	QPSK	37825	75RB#0	2554.59	-39.86	PASS
Band38	15MHz	16QAM	37825	75RB#0	2554.62	-39.90	PASS
Band38	15MHz	QPSK	38175	75RB#0	2636.01	-39.93	PASS
Band38	15MHz	16QAM	38175	75RB#0	2636.08	-40.26	PASS
Band38	20MHz	QPSK	37850	100RB#0	2549.95	-40.25	PASS
Band38	20MHz	16QAM	37850	100RB#0	2549.91	-40.89	PASS
Band38	20MHz	QPSK	38150	100RB#0	2640.14	-40.11	PASS
Band38	20MHz	16QAM	38150	100RB#0	2640.14	-40.31	PASS

Test Graphs





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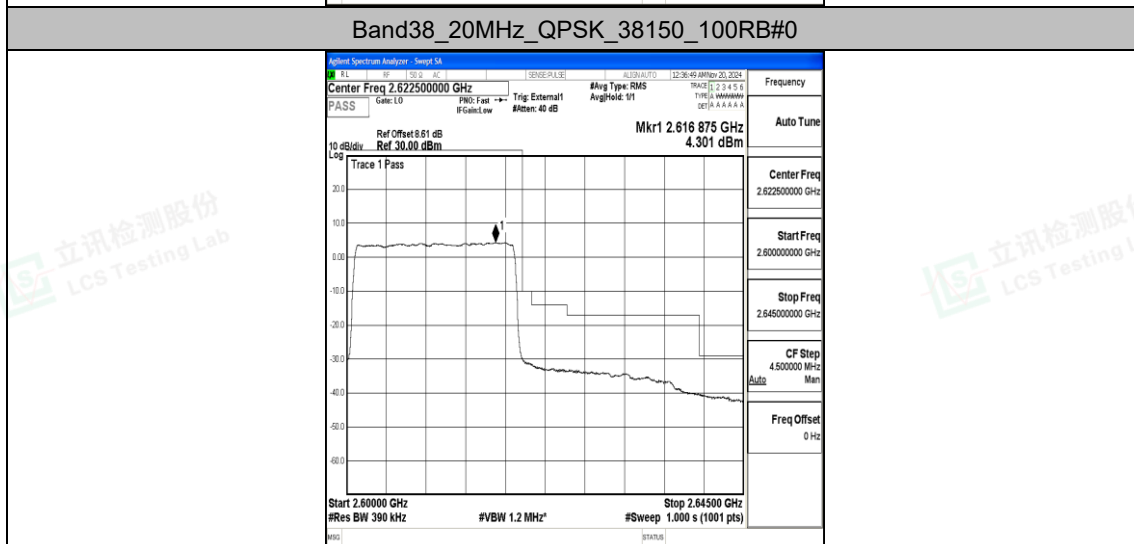
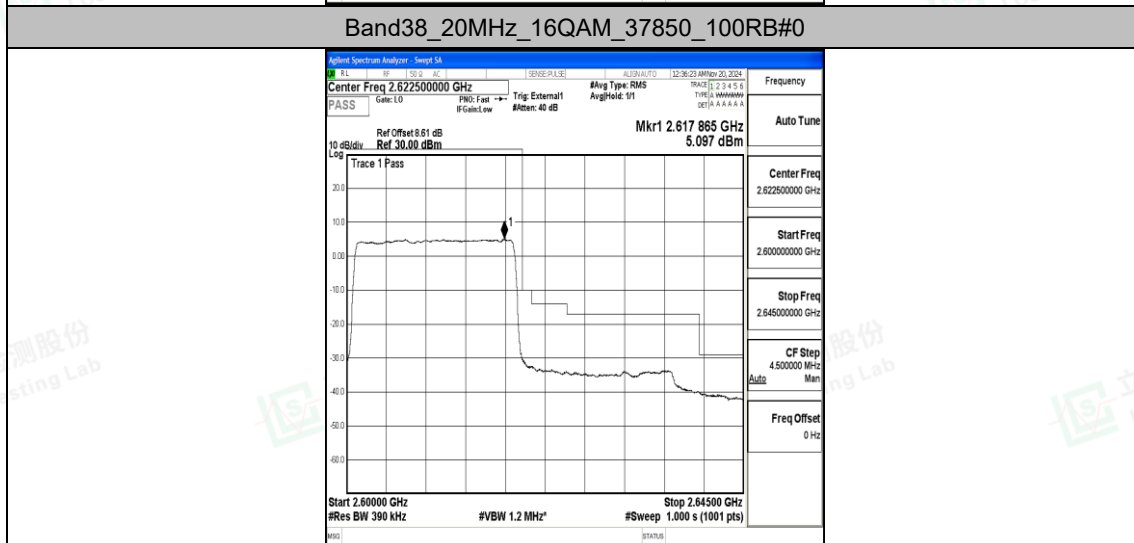
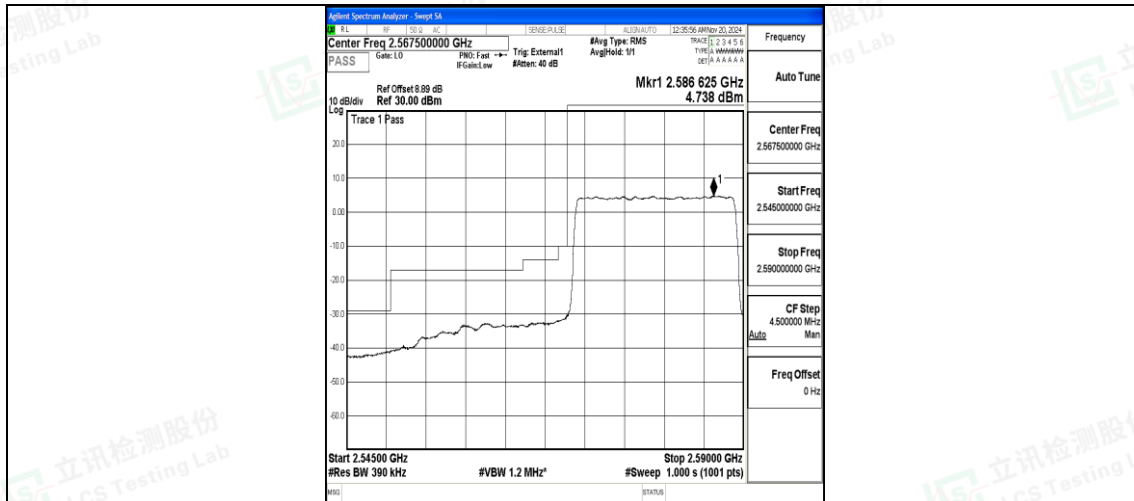


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H.5 Conducted Spurious Emission

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band38	5MHz	QPSK	37775	1RB#0	0.009~0.15	-56.57	PASS
Band38	5MHz	QPSK	37775	1RB#0	0.15~30	-60.68	PASS
Band38	5MHz	QPSK	37775	1RB#0	30~1000	-62.45	PASS
Band38	5MHz	QPSK	37775	1RB#0	1000~20000	-33.08	PASS
Band38	5MHz	QPSK	37775	1RB#0	20000~27000	-35.53	PASS
Band38	5MHz	16QAM	37775	1RB#0	0.009~0.15	-57.49	PASS
Band38	5MHz	16QAM	37775	1RB#0	0.15~30	-61.32	PASS
Band38	5MHz	16QAM	37775	1RB#0	30~1000	-61.97	PASS
Band38	5MHz	16QAM	37775	1RB#0	1000~20000	-33.23	PASS
Band38	5MHz	16QAM	37775	1RB#0	20000~27000	-34.73	PASS
Band38	5MHz	QPSK	38000	1RB#0	0.009~0.15	-55.57	PASS
Band38	5MHz	QPSK	38000	1RB#0	0.15~30	-58.89	PASS
Band38	5MHz	QPSK	38000	1RB#0	30~1000	-62.24	PASS
Band38	5MHz	QPSK	38000	1RB#0	1000~20000	-33.06	PASS
Band38	5MHz	QPSK	38000	1RB#0	20000~27000	-35.01	PASS
Band38	5MHz	16QAM	38000	1RB#0	0.009~0.15	-55.29	PASS
Band38	5MHz	16QAM	38000	1RB#0	0.15~30	-59.77	PASS
Band38	5MHz	16QAM	38000	1RB#0	30~1000	-62.10	PASS
Band38	5MHz	16QAM	38000	1RB#0	1000~20000	-33.09	PASS
Band38	5MHz	16QAM	38000	1RB#0	20000~27000	-35.26	PASS
Band38	5MHz	QPSK	38225	1RB#0	0.009~0.15	-58.54	PASS
Band38	5MHz	QPSK	38225	1RB#0	0.15~30	-60.59	PASS
Band38	5MHz	QPSK	38225	1RB#0	30~1000	-61.98	PASS
Band38	5MHz	QPSK	38225	1RB#0	1000~20000	-33.21	PASS
Band38	5MHz	QPSK	38225	1RB#0	20000~27000	-35.46	PASS
Band38	5MHz	16QAM	38225	1RB#0	0.009~0.15	-57.07	PASS
Band38	5MHz	16QAM	38225	1RB#0	0.15~30	-59.48	PASS
Band38	5MHz	16QAM	38225	1RB#0	30~1000	-62.28	PASS
Band38	5MHz	16QAM	38225	1RB#0	1000~20000	-33.14	PASS
Band38	5MHz	16QAM	38225	1RB#0	20000~27000	-35.17	PASS
Band38	10MHz	QPSK	37800	1RB#0	0.009~0.15	-55.84	PASS
Band38	10MHz	QPSK	37800	1RB#0	0.15~30	-58.44	PASS
Band38	10MHz	QPSK	37800	1RB#0	30~1000	-61.79	PASS
Band38	10MHz	QPSK	37800	1RB#0	1000~20000	-32.76	PASS



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Band38	10MHz	QPSK	37800	1RB#0	20000~27000	-34.97	PASS
Band38	10MHz	16QAM	37800	1RB#0	0.009~0.15	-58.02	PASS
Band38	10MHz	16QAM	37800	1RB#0	0.15~30	-61.34	PASS
Band38	10MHz	16QAM	37800	1RB#0	30~1000	-62.21	PASS
Band38	10MHz	16QAM	37800	1RB#0	1000~20000	-33.22	PASS
Band38	10MHz	16QAM	37800	1RB#0	20000~27000	-35.29	PASS
Band38	10MHz	QPSK	38000	1RB#0	0.009~0.15	-56.94	PASS
Band38	10MHz	QPSK	38000	1RB#0	0.15~30	-60.78	PASS
Band38	10MHz	QPSK	38000	1RB#0	30~1000	-62.24	PASS
Band38	10MHz	QPSK	38000	1RB#0	1000~20000	-33.47	PASS
Band38	10MHz	QPSK	38000	1RB#0	20000~27000	-34.85	PASS
Band38	10MHz	16QAM	38000	1RB#0	0.009~0.15	-56.51	PASS
Band38	10MHz	16QAM	38000	1RB#0	0.15~30	-60.57	PASS
Band38	10MHz	16QAM	38000	1RB#0	30~1000	-62.00	PASS
Band38	10MHz	16QAM	38000	1RB#0	1000~20000	-32.83	PASS
Band38	10MHz	16QAM	38000	1RB#0	20000~27000	-35.50	PASS
Band38	10MHz	QPSK	38200	1RB#0	0.009~0.15	-56.19	PASS
Band38	10MHz	QPSK	38200	1RB#0	0.15~30	-61.55	PASS
Band38	10MHz	QPSK	38200	1RB#0	30~1000	-62.01	PASS
Band38	10MHz	QPSK	38200	1RB#0	1000~20000	-33.36	PASS
Band38	10MHz	QPSK	38200	1RB#0	20000~27000	-34.96	PASS
Band38	10MHz	16QAM	38200	1RB#0	0.009~0.15	-55.93	PASS
Band38	10MHz	16QAM	38200	1RB#0	0.15~30	-59.70	PASS
Band38	10MHz	16QAM	38200	1RB#0	30~1000	-61.85	PASS
Band38	10MHz	16QAM	38200	1RB#0	1000~20000	-33.10	PASS
Band38	10MHz	16QAM	38200	1RB#0	20000~27000	-35.03	PASS
Band38	15MHz	QPSK	37825	1RB#0	0.009~0.15	-57.41	PASS
Band38	15MHz	QPSK	37825	1RB#0	0.15~30	-61.68	PASS
Band38	15MHz	QPSK	37825	1RB#0	30~1000	-61.92	PASS
Band38	15MHz	QPSK	37825	1RB#0	1000~20000	-33.33	PASS
Band38	15MHz	QPSK	37825	1RB#0	20000~27000	-35.05	PASS
Band38	15MHz	16QAM	37825	1RB#0	0.009~0.15	-55.25	PASS
Band38	15MHz	16QAM	37825	1RB#0	0.15~30	-61.08	PASS
Band38	15MHz	16QAM	37825	1RB#0	30~1000	-62.24	PASS
Band38	15MHz	16QAM	37825	1RB#0	1000~20000	-33.46	PASS
Band38	15MHz	16QAM	37825	1RB#0	20000~27000	-35.33	PASS
Band38	15MHz	QPSK	38000	1RB#0	0.009~0.15	-57.18	PASS
Band38	15MHz	QPSK	38000	1RB#0	0.15~30	-59.46	PASS
Band38	15MHz	QPSK	38000	1RB#0	30~1000	-62.01	PASS
Band38	15MHz	QPSK	38000	1RB#0	1000~20000	-33.50	PASS



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Band38	15MHz	QPSK	38000	1RB#0	20000~27000	-35.32	PASS
Band38	15MHz	16QAM	38000	1RB#0	0.009~0.15	-56.71	PASS
Band38	15MHz	16QAM	38000	1RB#0	0.15~30	-59.61	PASS
Band38	15MHz	16QAM	38000	1RB#0	30~1000	-62.14	PASS
Band38	15MHz	16QAM	38000	1RB#0	1000~20000	-33.26	PASS
Band38	15MHz	16QAM	38000	1RB#0	20000~27000	-34.71	PASS
Band38	15MHz	QPSK	38175	1RB#0	0.009~0.15	-55.76	PASS
Band38	15MHz	QPSK	38175	1RB#0	0.15~30	-59.02	PASS
Band38	15MHz	QPSK	38175	1RB#0	30~1000	-61.82	PASS
Band38	15MHz	QPSK	38175	1RB#0	1000~20000	-33.05	PASS
Band38	15MHz	QPSK	38175	1RB#0	20000~27000	-35.32	PASS
Band38	15MHz	16QAM	38175	1RB#0	0.009~0.15	-56.16	PASS
Band38	15MHz	16QAM	38175	1RB#0	0.15~30	-61.31	PASS
Band38	15MHz	16QAM	38175	1RB#0	30~1000	-62.31	PASS
Band38	15MHz	16QAM	38175	1RB#0	1000~20000	-32.99	PASS
Band38	15MHz	16QAM	38175	1RB#0	20000~27000	-35.38	PASS
Band38	20MHz	QPSK	37850	1RB#0	0.009~0.15	-58.15	PASS
Band38	20MHz	QPSK	37850	1RB#0	0.15~30	-59.53	PASS
Band38	20MHz	QPSK	37850	1RB#0	30~1000	-62.18	PASS
Band38	20MHz	QPSK	37850	1RB#0	1000~20000	-32.83	PASS
Band38	20MHz	QPSK	37850	1RB#0	20000~27000	-35.10	PASS
Band38	20MHz	16QAM	37850	1RB#0	0.009~0.15	-58.82	PASS
Band38	20MHz	16QAM	37850	1RB#0	0.15~30	-61.34	PASS
Band38	20MHz	16QAM	37850	1RB#0	30~1000	-62.09	PASS
Band38	20MHz	16QAM	37850	1RB#0	1000~20000	-33.13	PASS
Band38	20MHz	16QAM	37850	1RB#0	20000~27000	-35.31	PASS
Band38	20MHz	QPSK	38000	1RB#0	0.009~0.15	-56.66	PASS
Band38	20MHz	QPSK	38000	1RB#0	0.15~30	-60.21	PASS
Band38	20MHz	QPSK	38000	1RB#0	30~1000	-62.33	PASS
Band38	20MHz	QPSK	38000	1RB#0	1000~20000	-33.34	PASS
Band38	20MHz	QPSK	38000	1RB#0	20000~27000	-35.55	PASS
Band38	20MHz	16QAM	38000	1RB#0	0.009~0.15	-59.20	PASS
Band38	20MHz	16QAM	38000	1RB#0	0.15~30	-59.28	PASS
Band38	20MHz	16QAM	38000	1RB#0	30~1000	-62.28	PASS
Band38	20MHz	16QAM	38000	1RB#0	1000~20000	-33.12	PASS
Band38	20MHz	16QAM	38000	1RB#0	20000~27000	-35.03	PASS
Band38	20MHz	QPSK	38150	1RB#0	0.009~0.15	-55.63	PASS
Band38	20MHz	QPSK	38150	1RB#0	0.15~30	-63.46	PASS
Band38	20MHz	QPSK	38150	1RB#0	30~1000	-62.22	PASS
Band38	20MHz	QPSK	38150	1RB#0	1000~20000	-33.16	PASS



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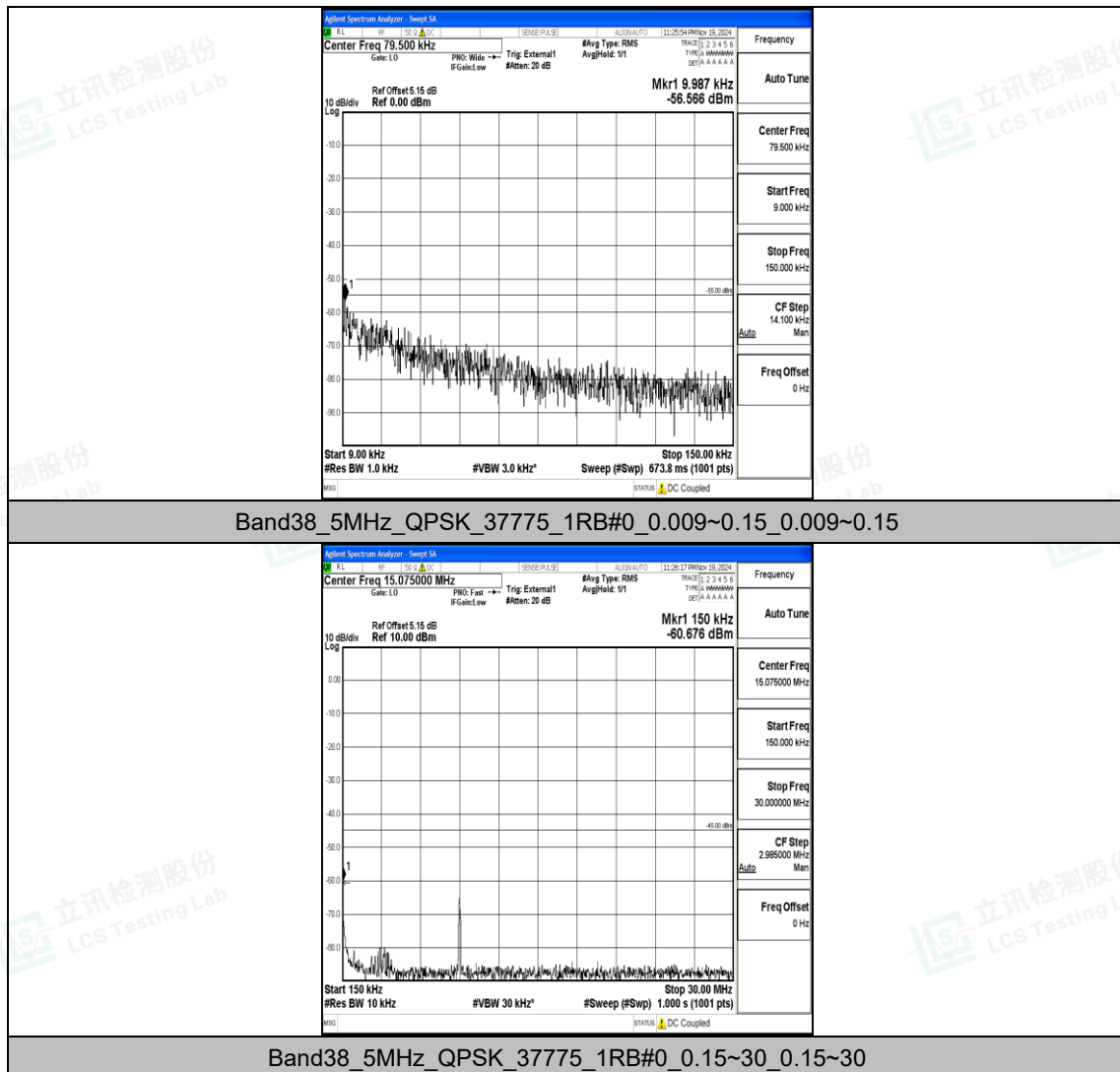
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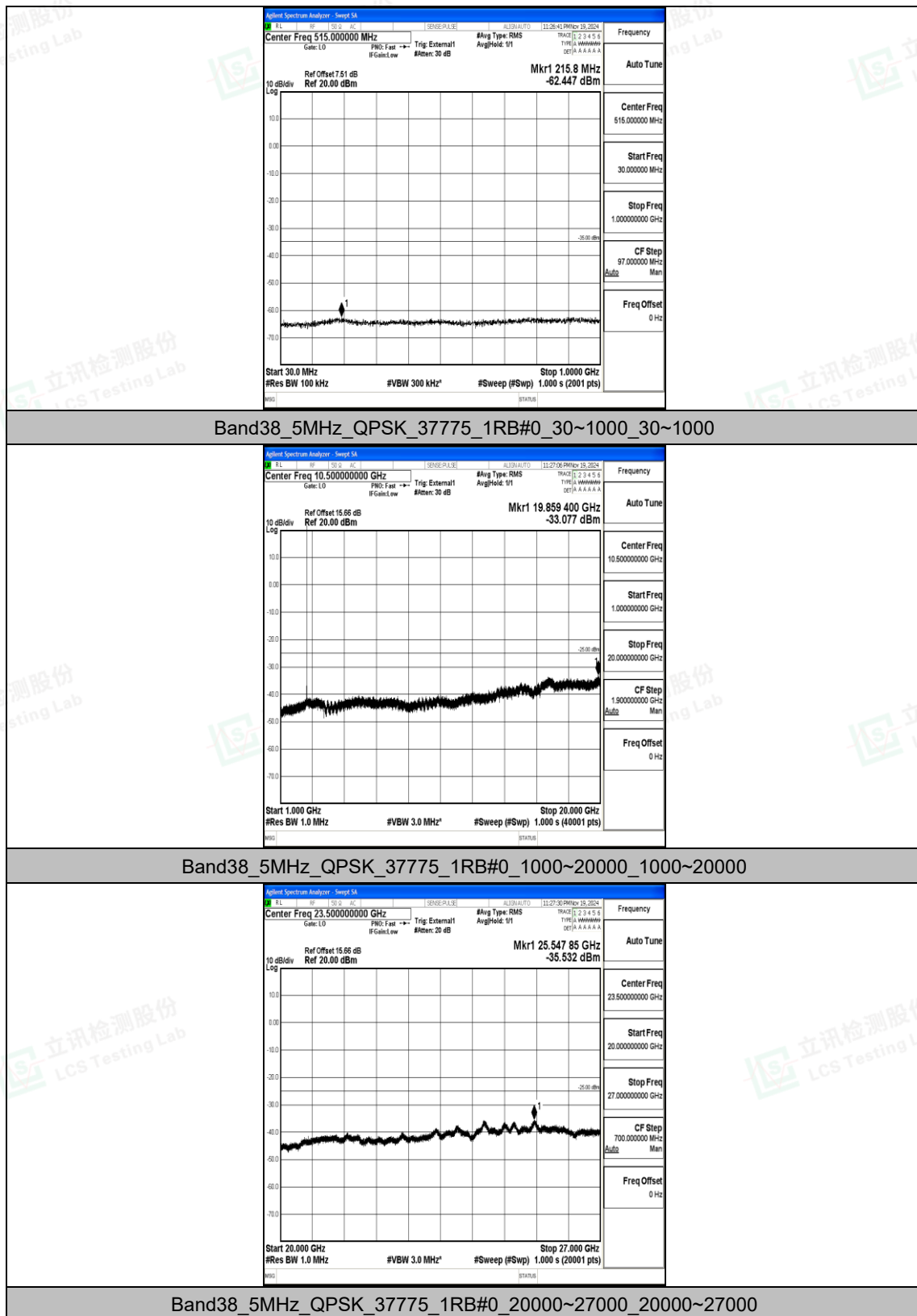
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Band38	20MHz	QPSK	38150	1RB#0	20000~27000	-35.03	PASS
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Band38	20MHz	16QAM	38150	1RB#0	30~1000	-62.39	PASS
Band38	20MHz	16QAM	38150	1RB#0	1000~20000	-33.40	PASS
Band38	20MHz	16QAM	38150	1RB#0	20000~27000	-34.76	PASS

Test Graphs



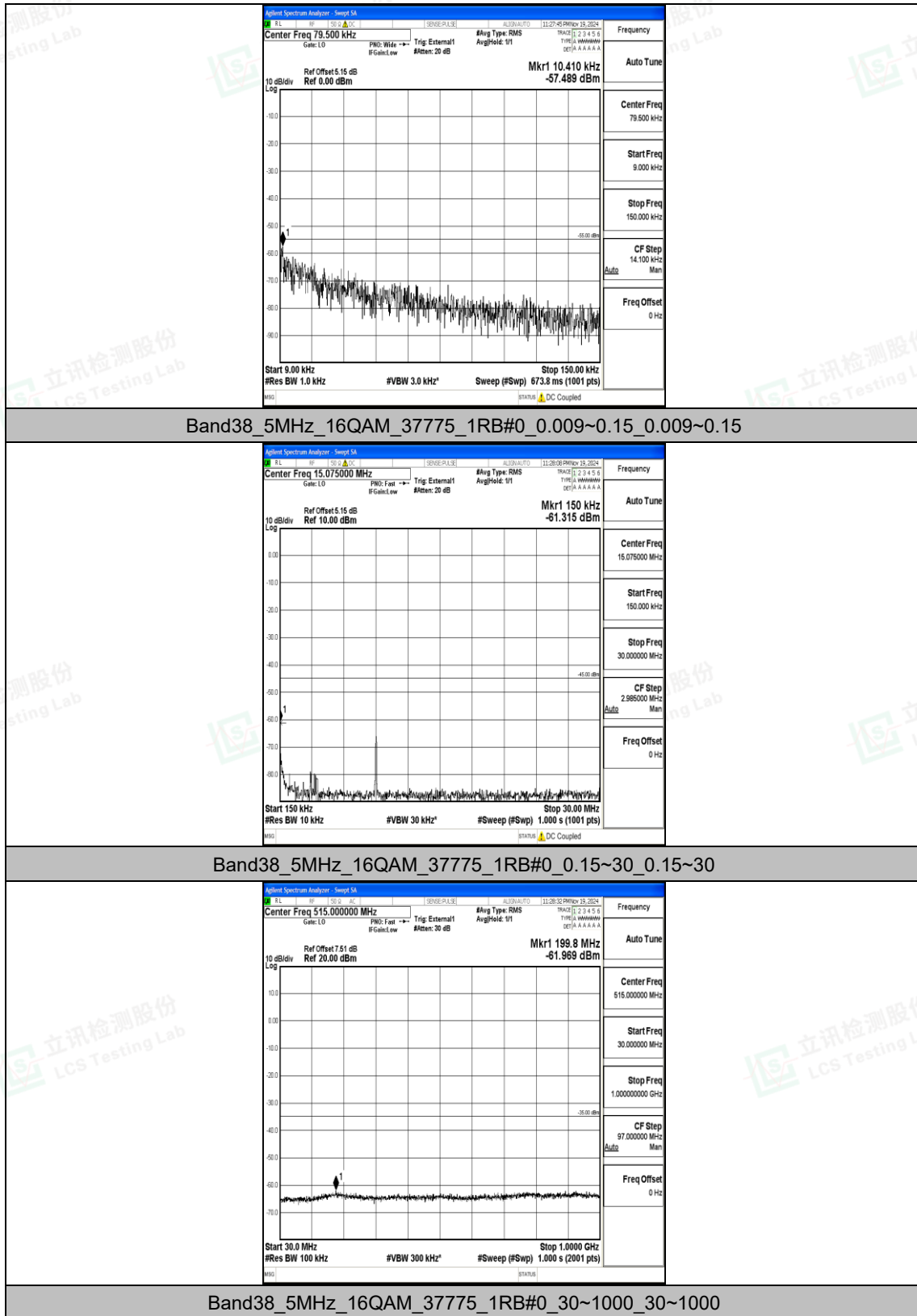


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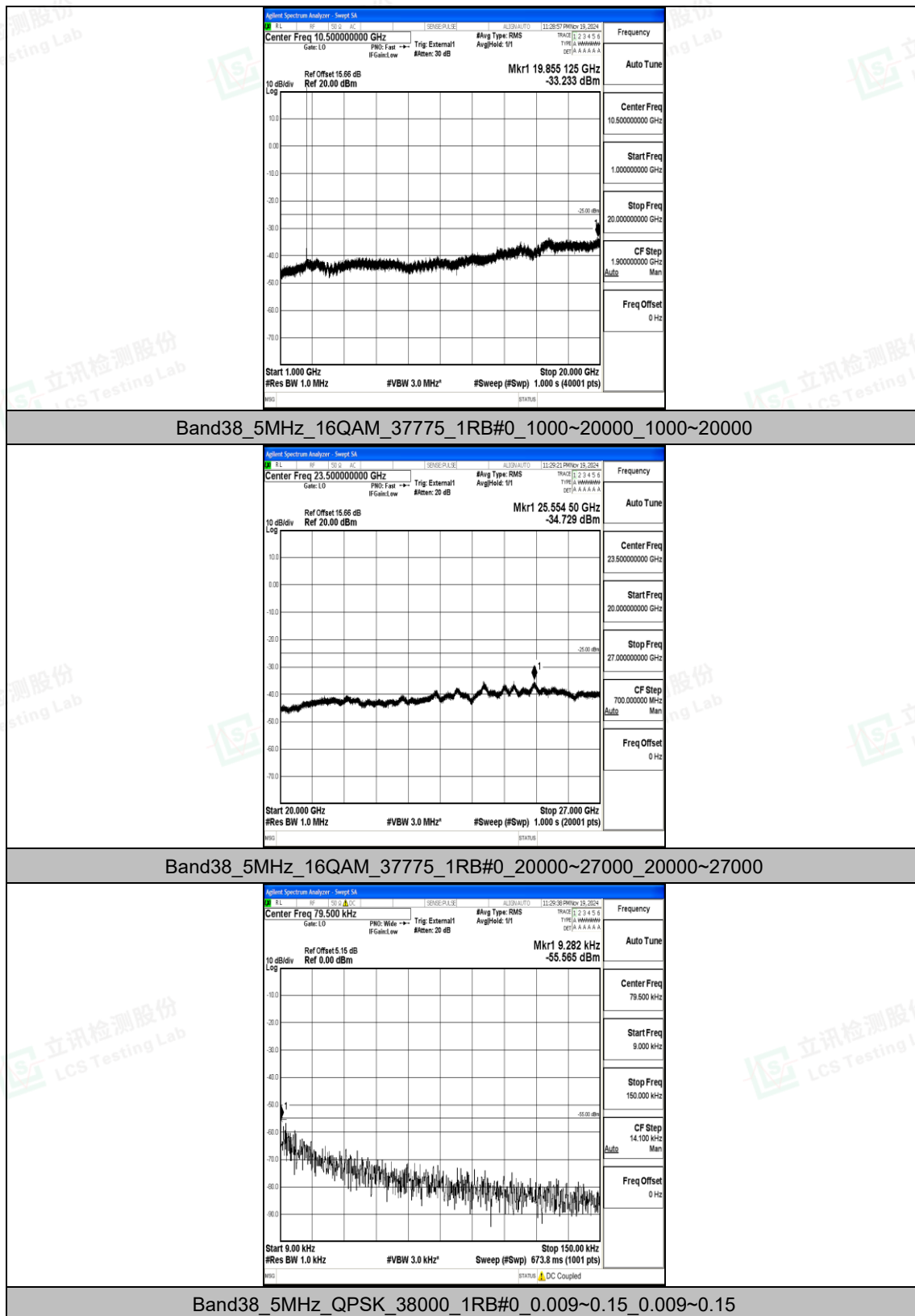


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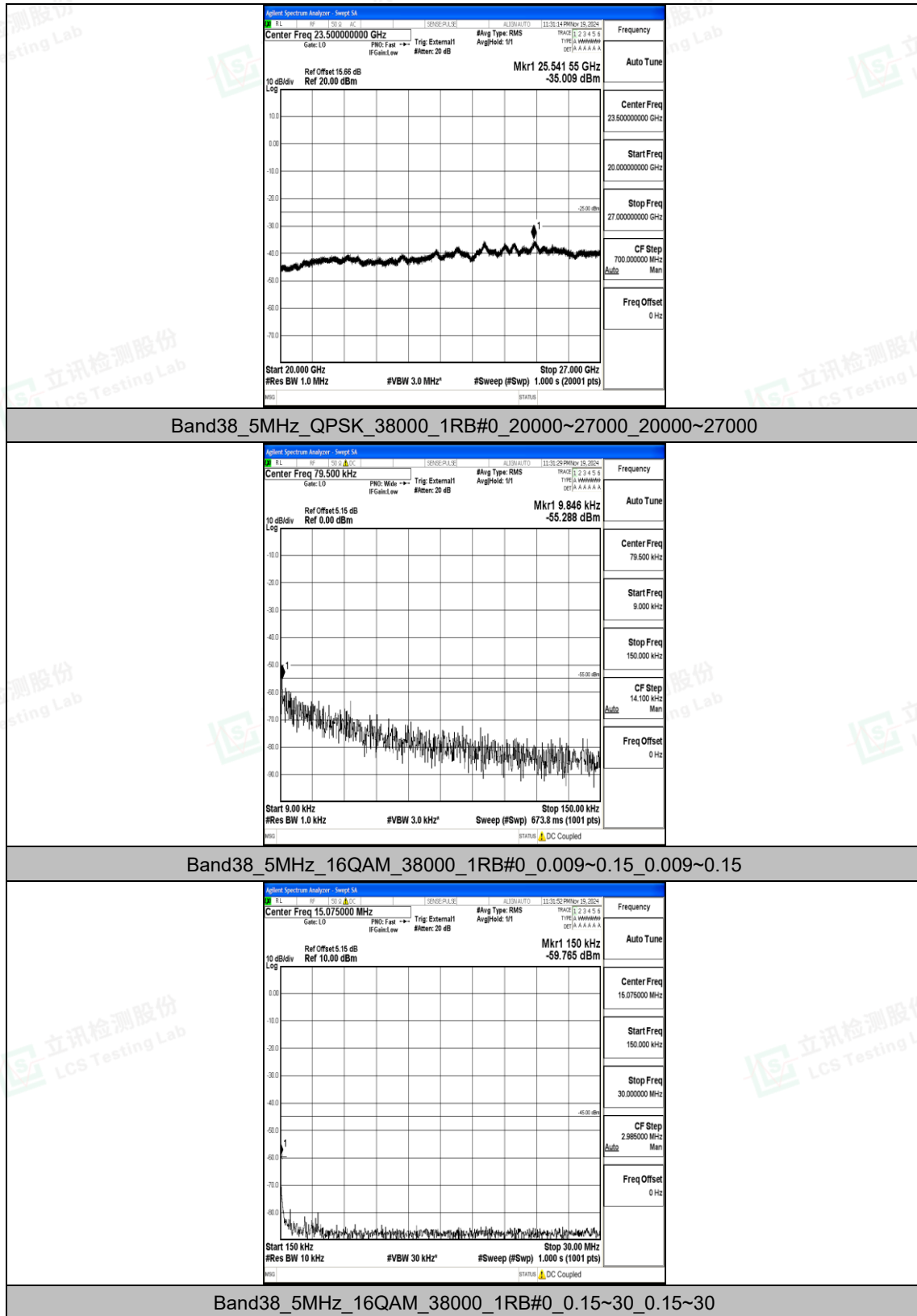


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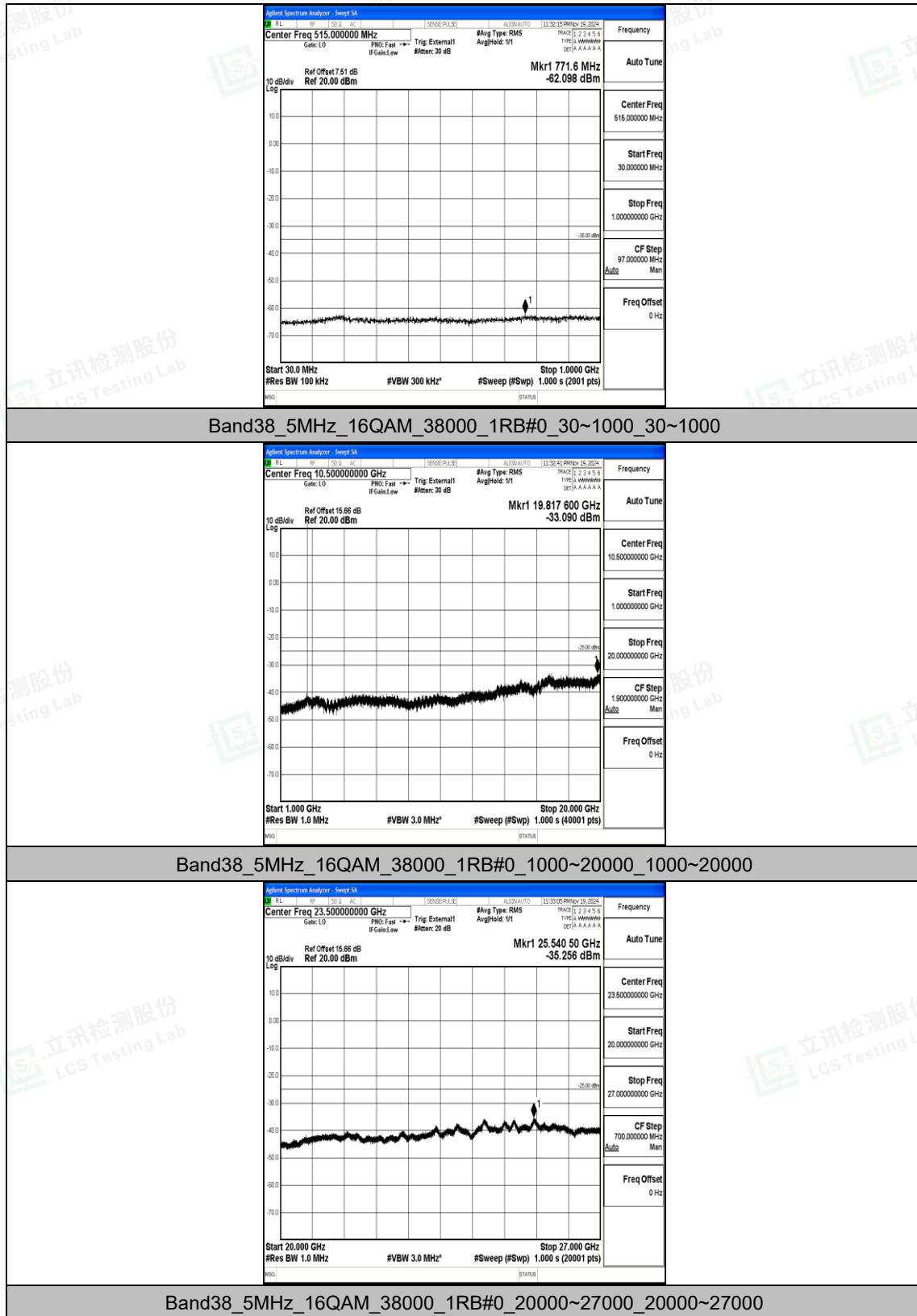


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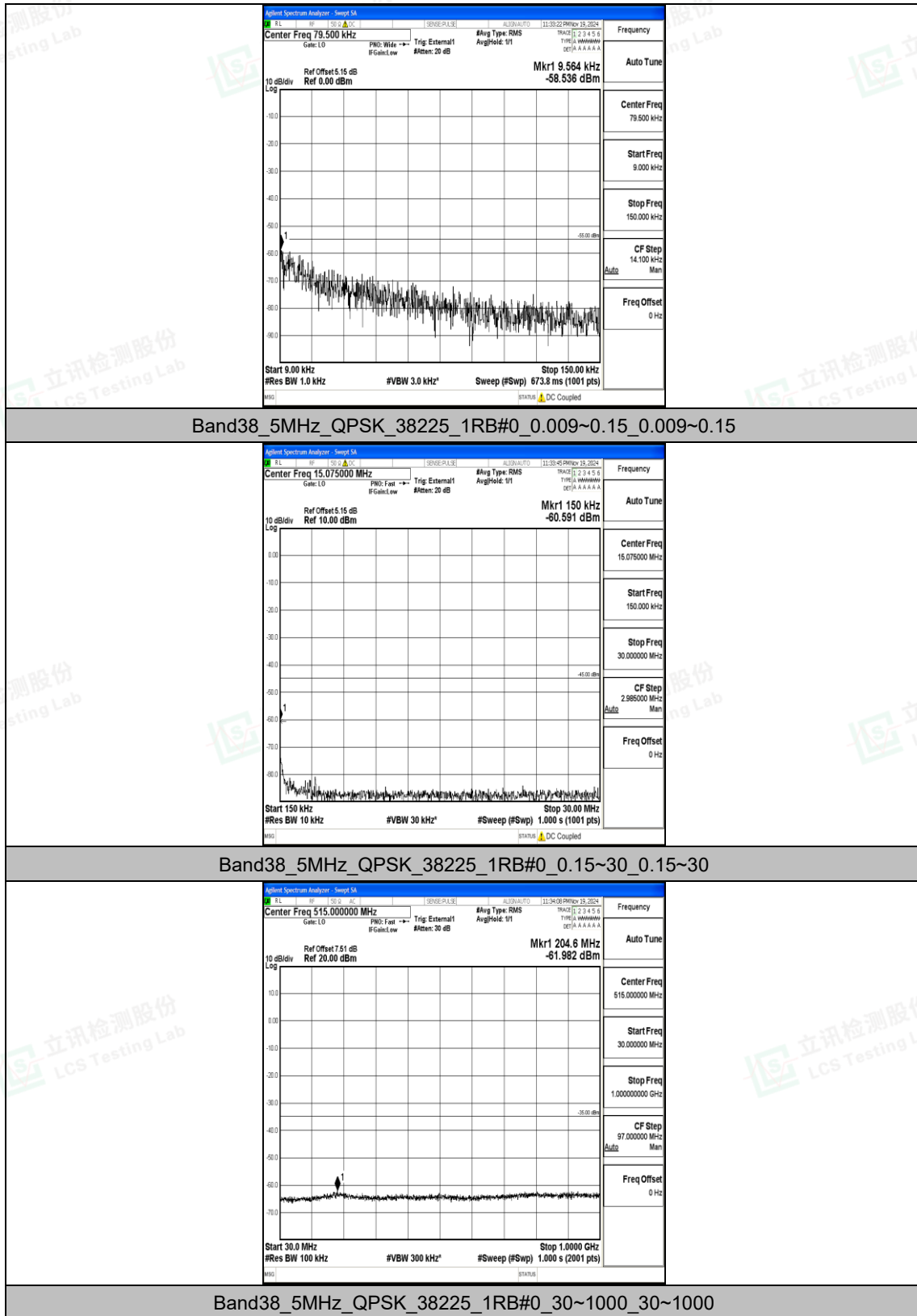


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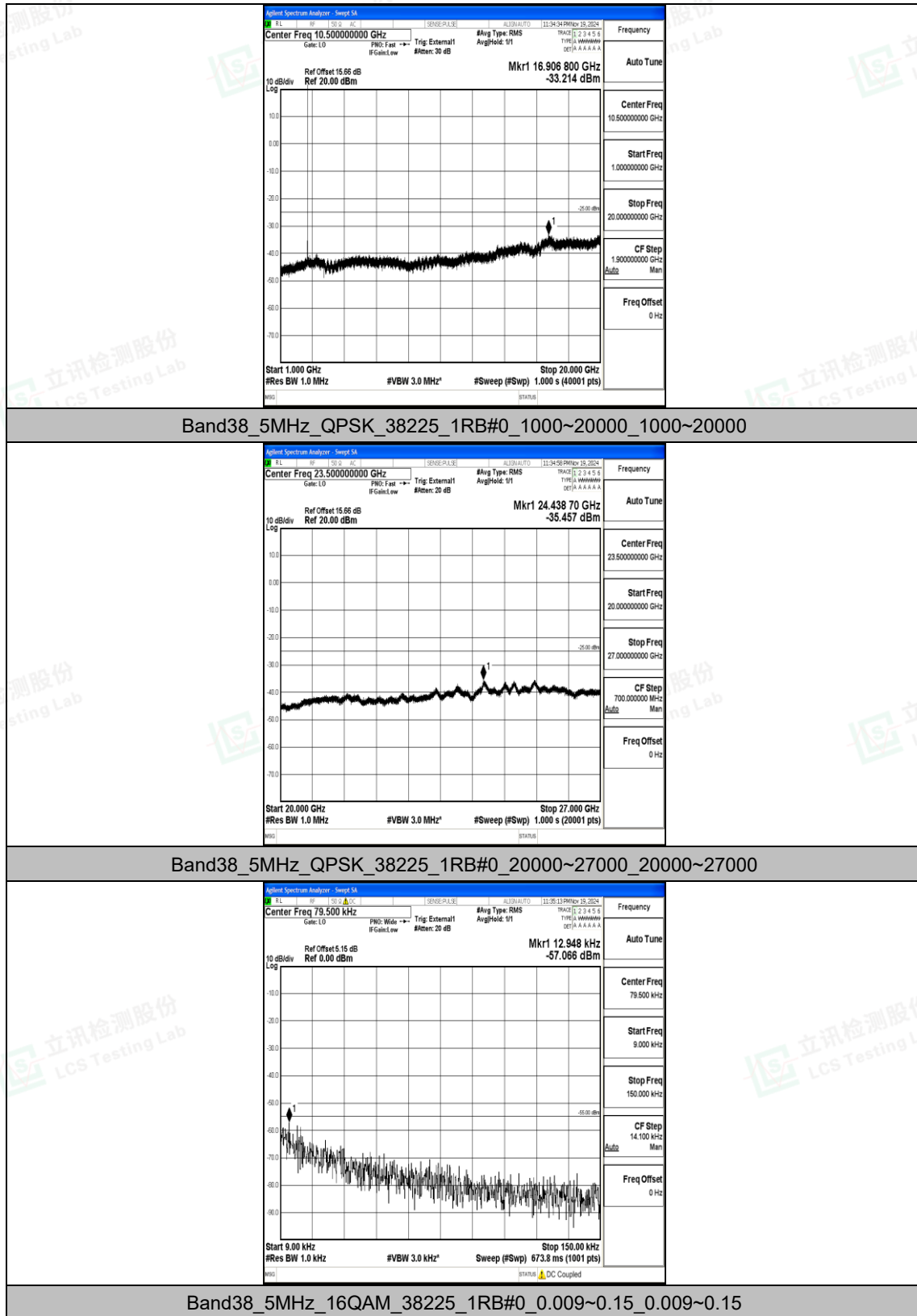


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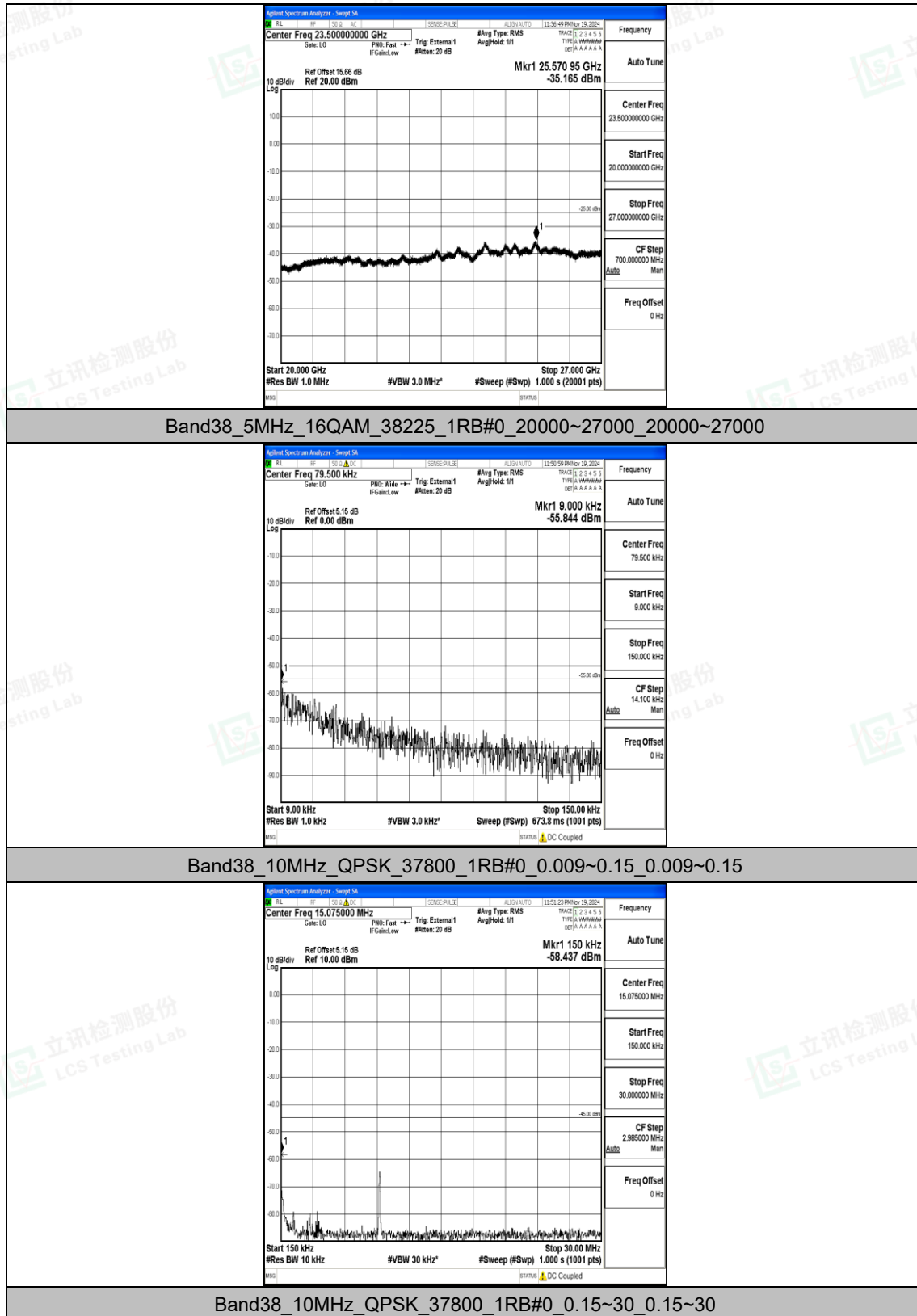


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