

**Appendix I: Test Data for E-UTRA Band 5****Product Name: In-Car Intelligent Navigation System****Test Model: Quattroporte DH-8870****Environmental Conditions**

Temperature:	23.8° C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Paddi Chen
Supervised by:	Nick Peng



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I.1 Conducted Output Power Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	23.06	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	22.05	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	22.89	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	21.67	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	22.93	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	21.96	PASS
Band5	3MHz	QPSK	20415	15RB#0	22.91	PASS
Band5	3MHz	16QAM	20415	15RB#0	21.97	PASS
Band5	3MHz	QPSK	20525	15RB#0	22.80	PASS
Band5	3MHz	16QAM	20525	15RB#0	21.72	PASS
Band5	3MHz	QPSK	20635	15RB#0	22.79	PASS
Band5	3MHz	16QAM	20635	15RB#0	21.69	PASS
Band5	5MHz	QPSK	20425	25RB#0	22.99	PASS
Band5	5MHz	16QAM	20425	25RB#0	21.99	PASS
Band5	5MHz	QPSK	20525	25RB#0	22.92	PASS
Band5	5MHz	16QAM	20525	25RB#0	21.93	PASS
Band5	5MHz	QPSK	20625	25RB#0	22.88	PASS
Band5	5MHz	16QAM	20625	25RB#0	21.93	PASS
Band5	10MHz	QPSK	20450	50RB#0	22.94	PASS
Band5	10MHz	16QAM	20450	50RB#0	21.98	PASS
Band5	10MHz	QPSK	20525	50RB#0	22.87	PASS
Band5	10MHz	16QAM	20525	50RB#0	21.89	PASS
Band5	10MHz	QPSK	20600	50RB#0	22.84	PASS
Band5	10MHz	16QAM	20600	50RB#0	21.87	PASS





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

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	5.36	13	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	6.17	13	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	5.32	13	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	6.12	13	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	5.44	13	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	6.24	13	PASS
Band5	3MHz	QPSK	20415	15RB#0	5.23	13	PASS
Band5	3MHz	16QAM	20415	15RB#0	6.05	13	PASS
Band5	3MHz	QPSK	20525	15RB#0	5.33	13	PASS
Band5	3MHz	16QAM	20525	15RB#0	6.13	13	PASS
Band5	3MHz	QPSK	20635	15RB#0	5.17	13	PASS
Band5	3MHz	16QAM	20635	15RB#0	6.06	13	PASS
Band5	5MHz	QPSK	20425	25RB#0	5.40	13	PASS
Band5	5MHz	16QAM	20425	25RB#0	6.08	13	PASS
Band5	5MHz	QPSK	20525	25RB#0	5.50	13	PASS
Band5	5MHz	16QAM	20525	25RB#0	6.17	13	PASS
Band5	5MHz	QPSK	20625	25RB#0	5.41	13	PASS
Band5	5MHz	16QAM	20625	25RB#0	6.11	13	PASS
Band5	10MHz	QPSK	20450	50RB#0	5.19	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	5.93	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.42	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	6.20	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	5.43	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	6.22	13	PASS



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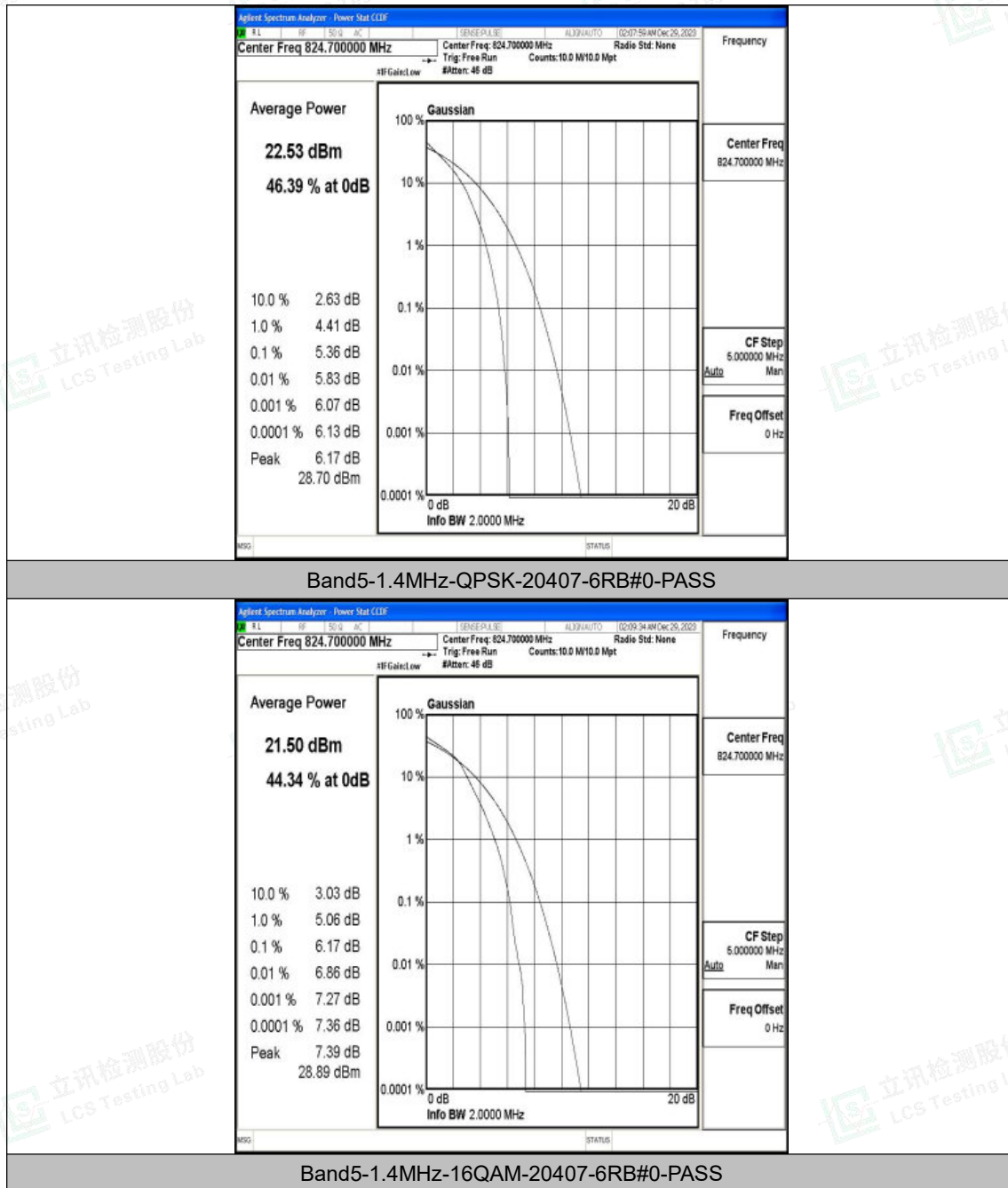
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Test Graphs

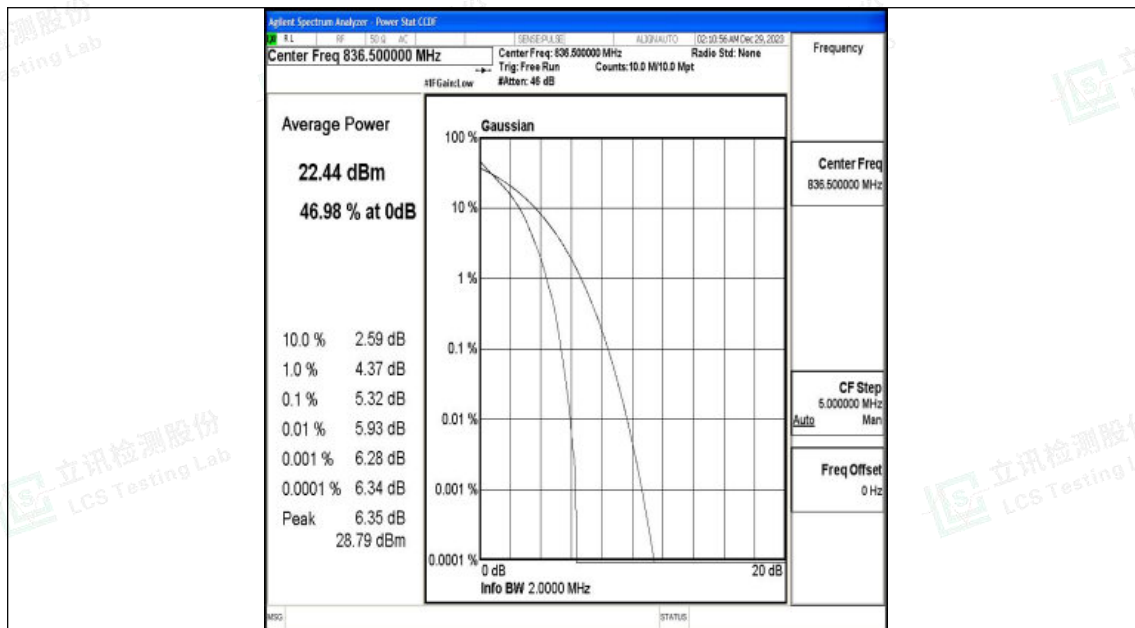


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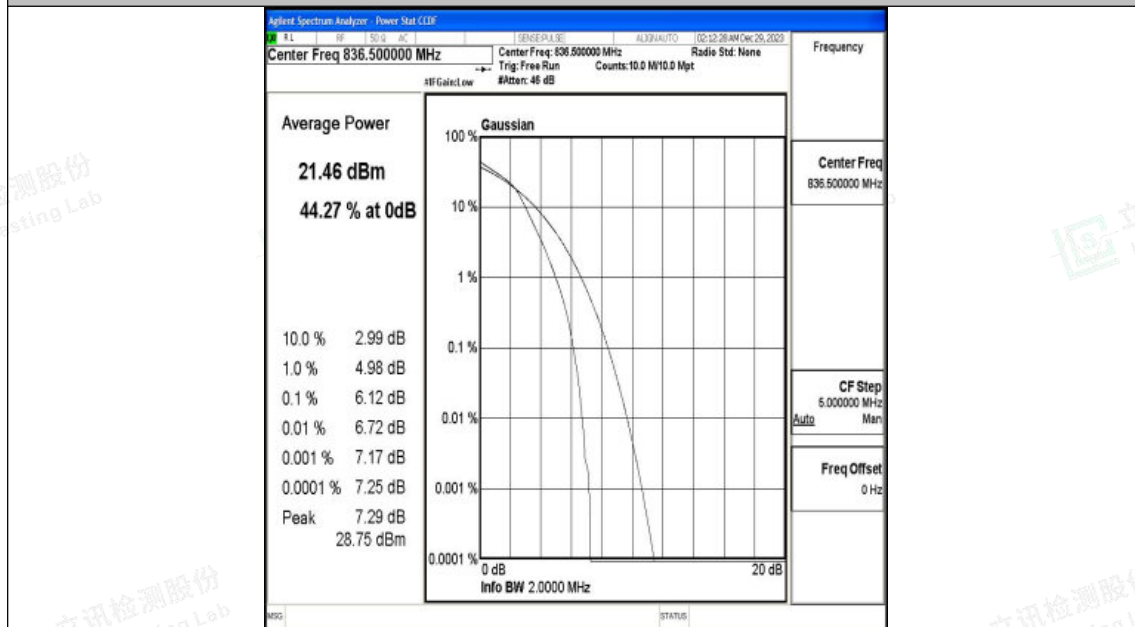
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Band5-1.4MHz-QPSK-20525-6RB#0-PASS



Band5-1.4MHz-16QAM-20525-6RB#0-PASS

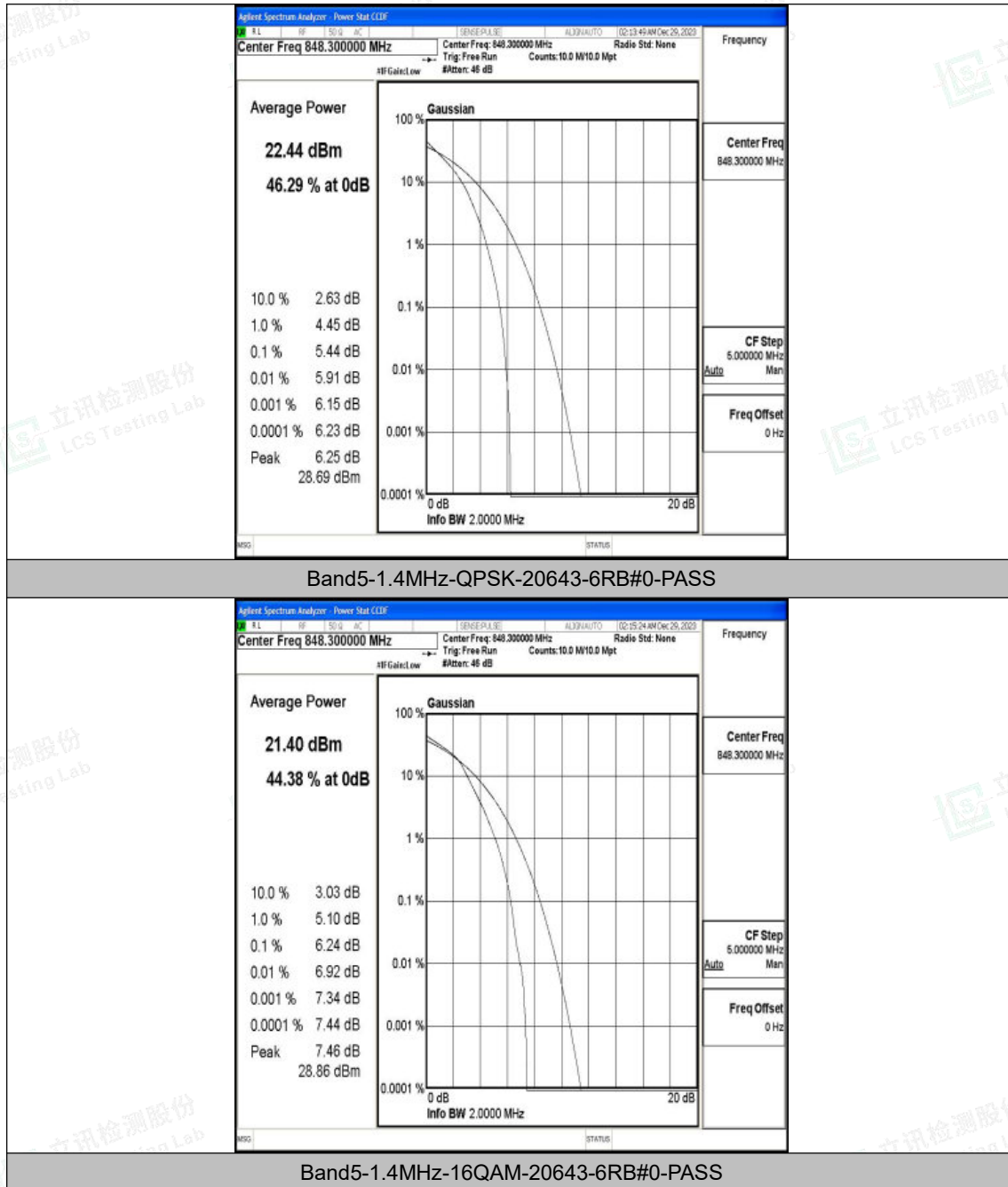


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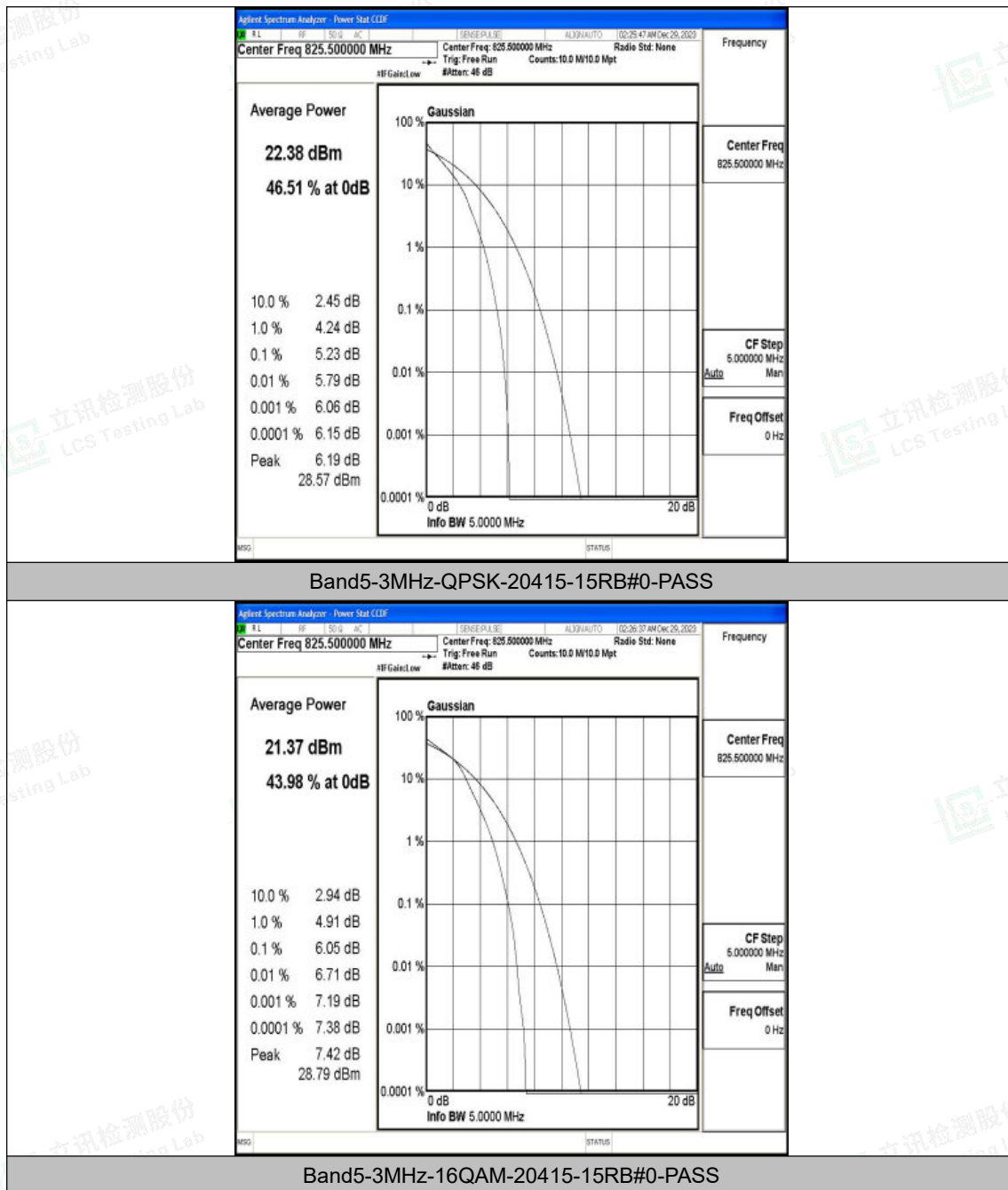


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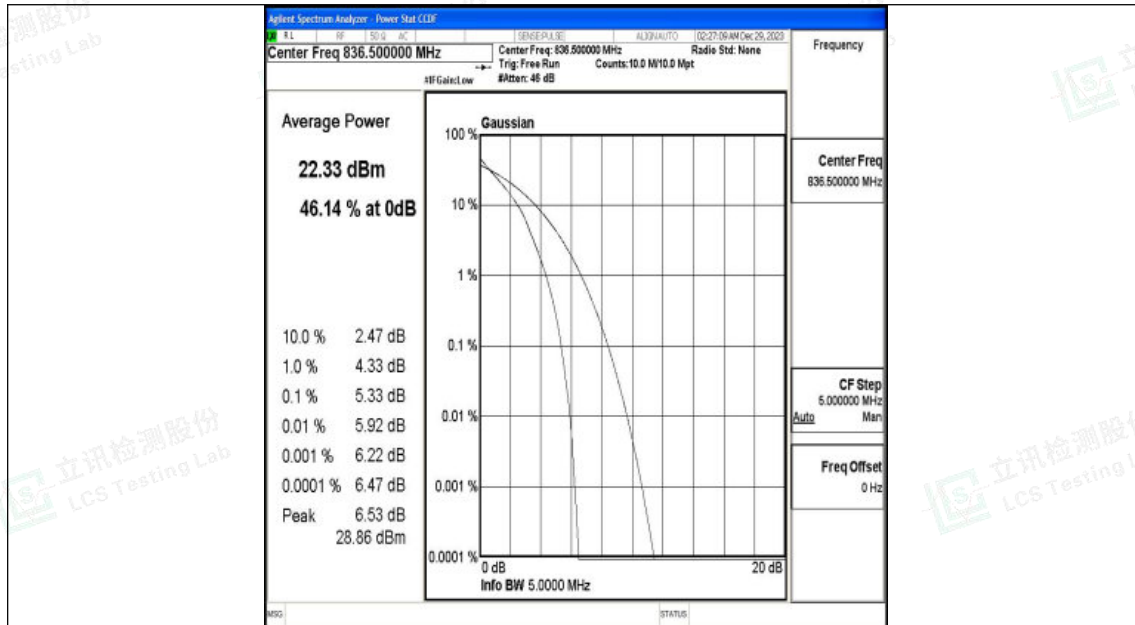


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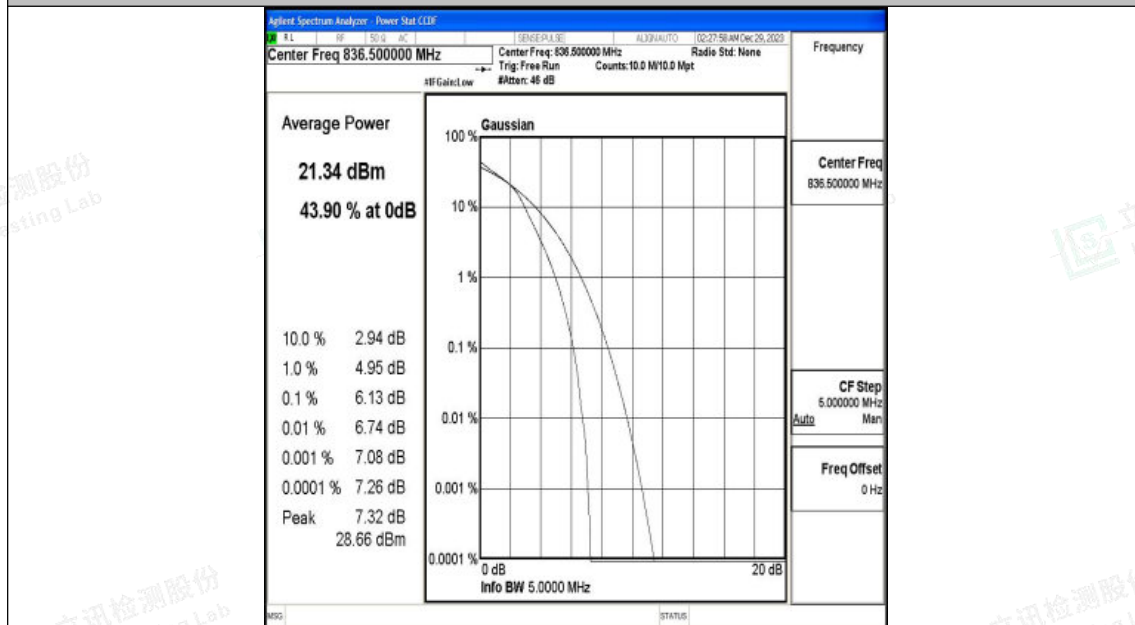
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Band5-3MHz-QPSK-20525-15RB#0-PASS



Band5-3MHz-16QAM-20525-15RB#0-PASS

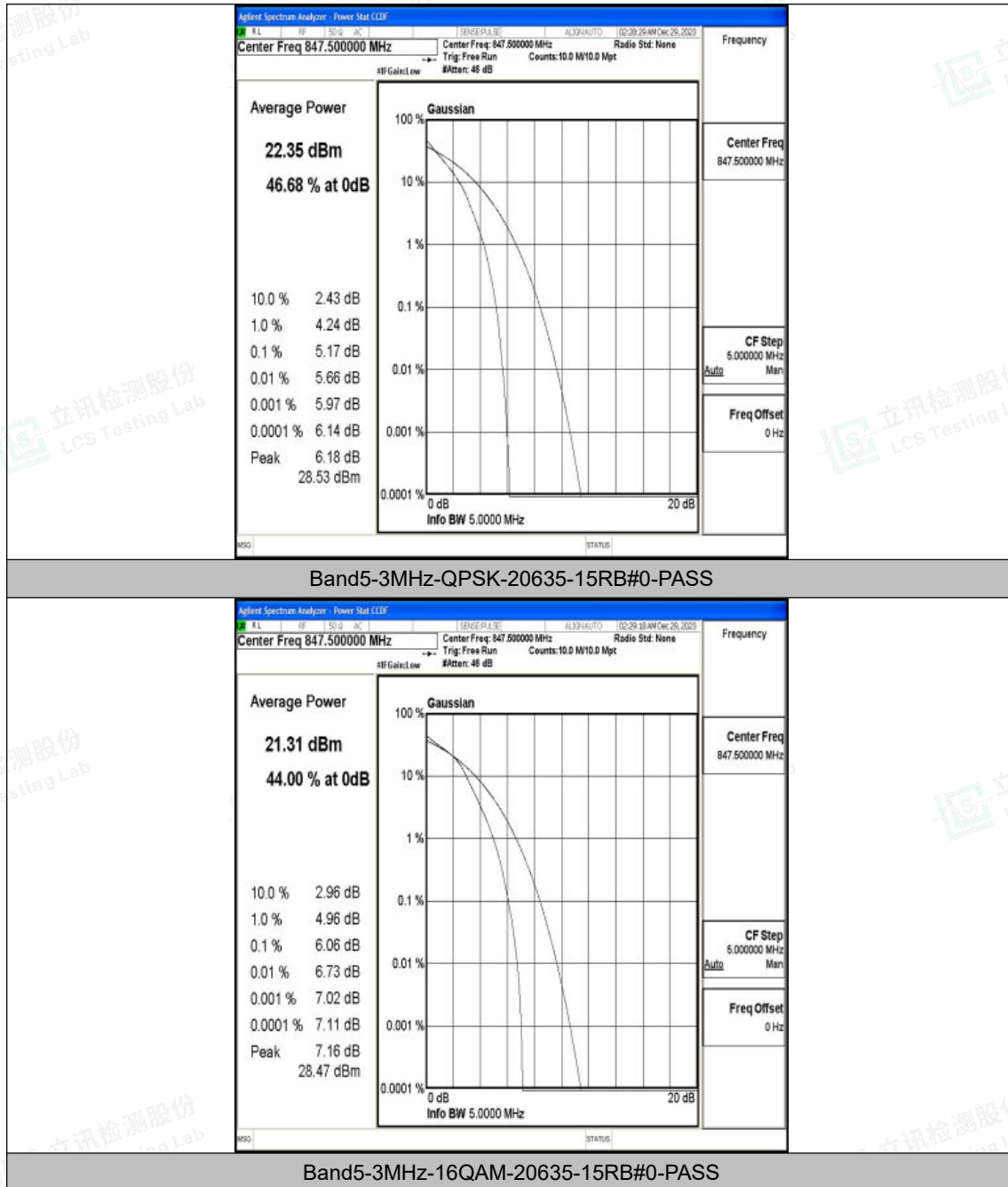


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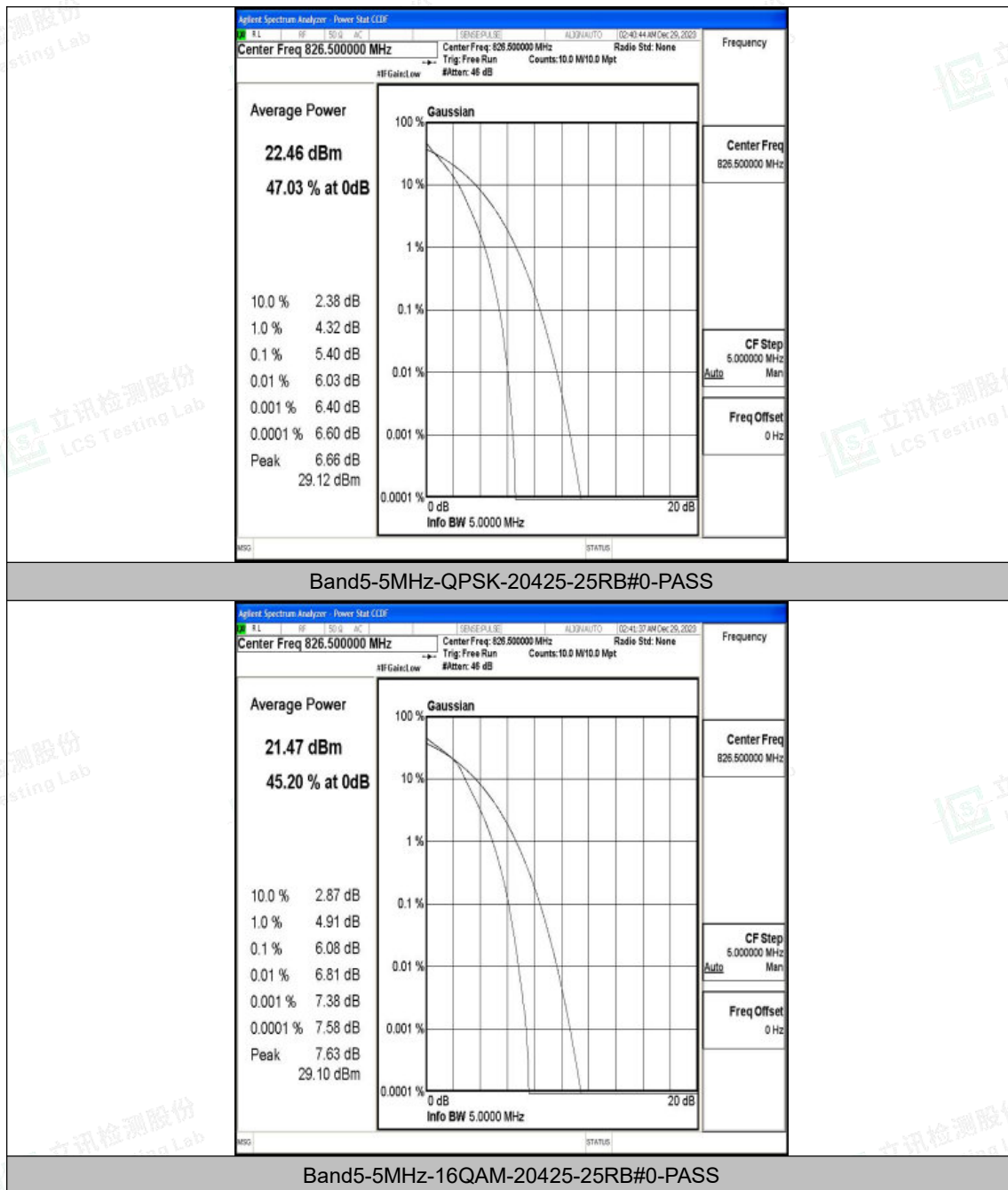


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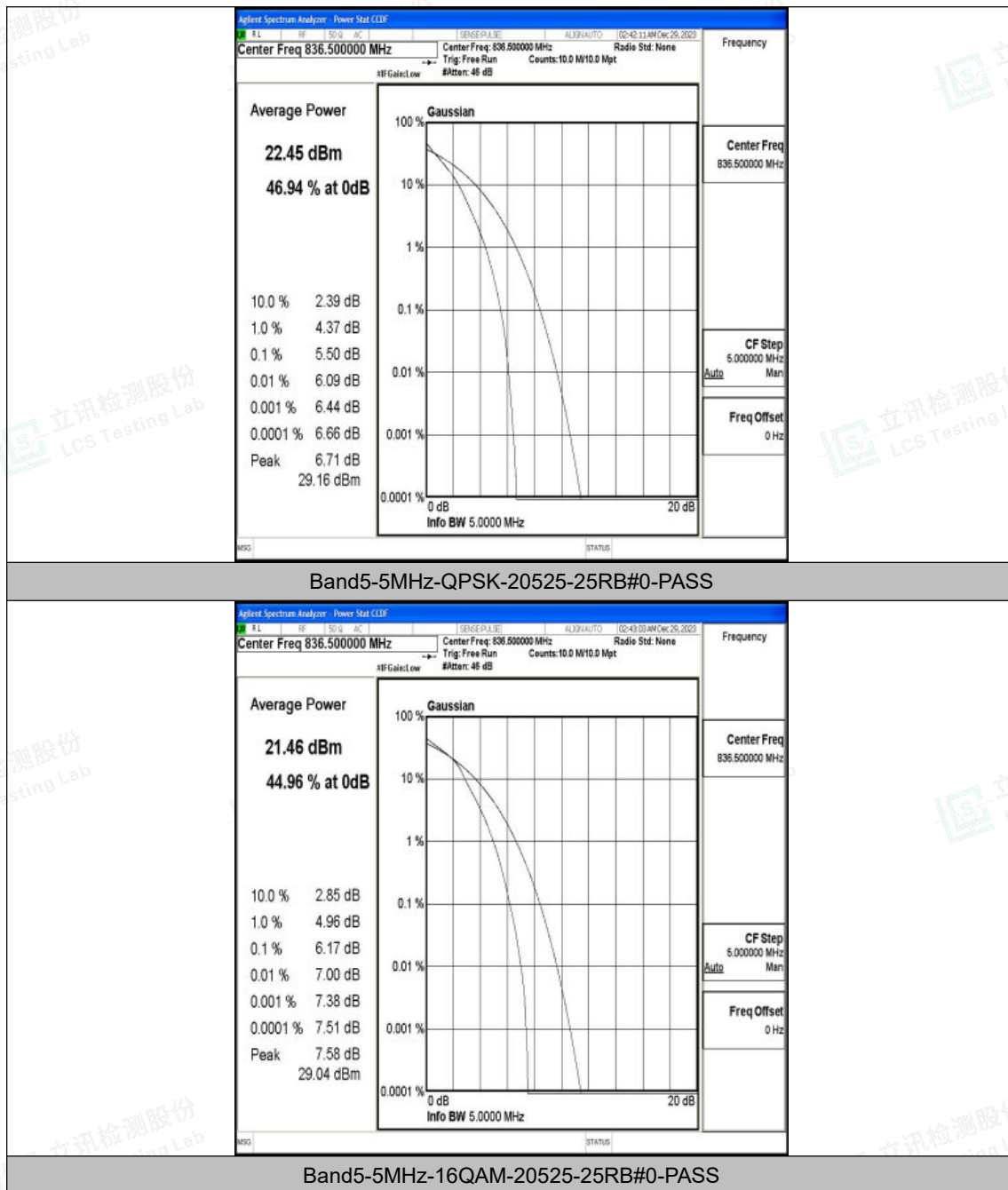


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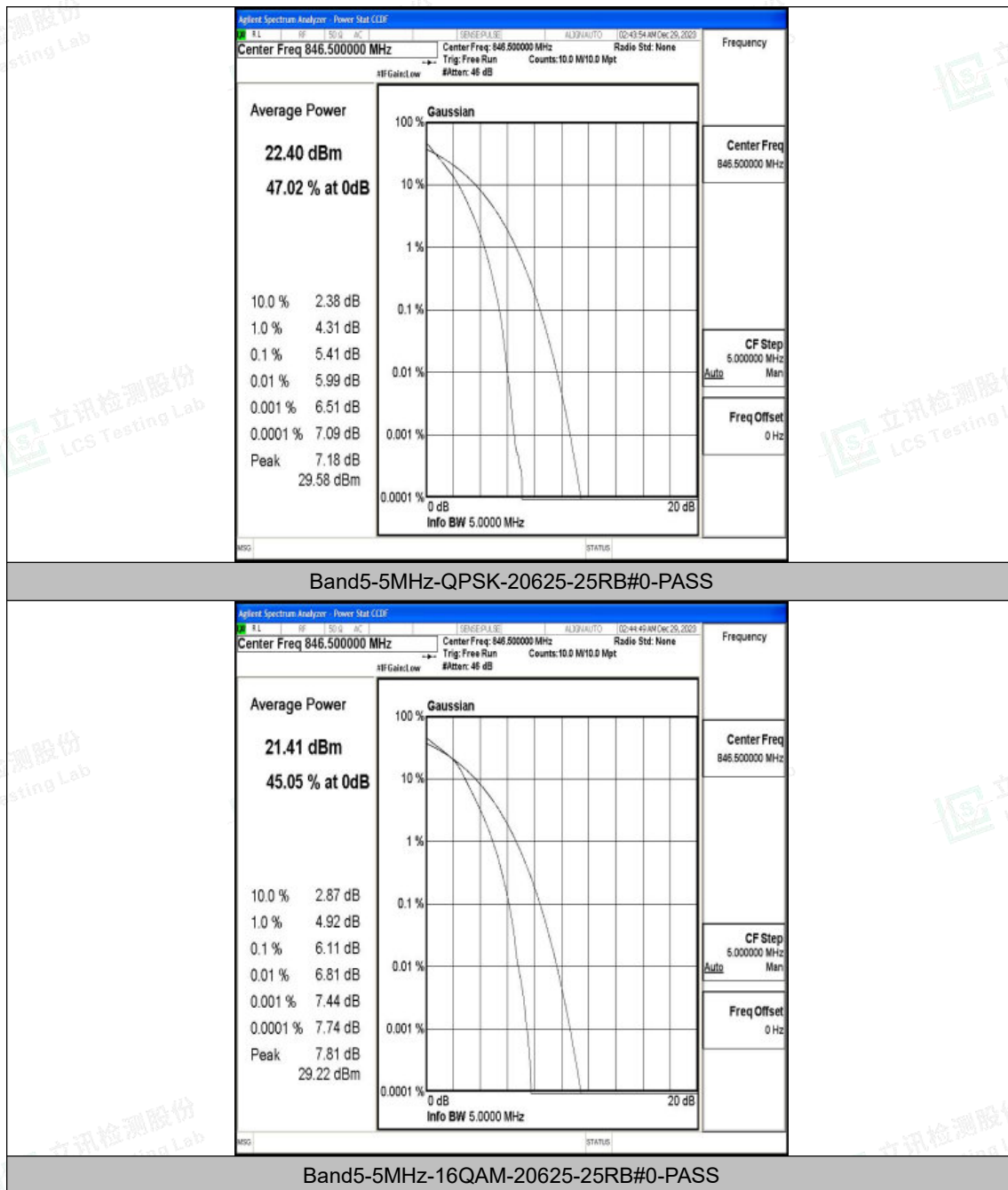


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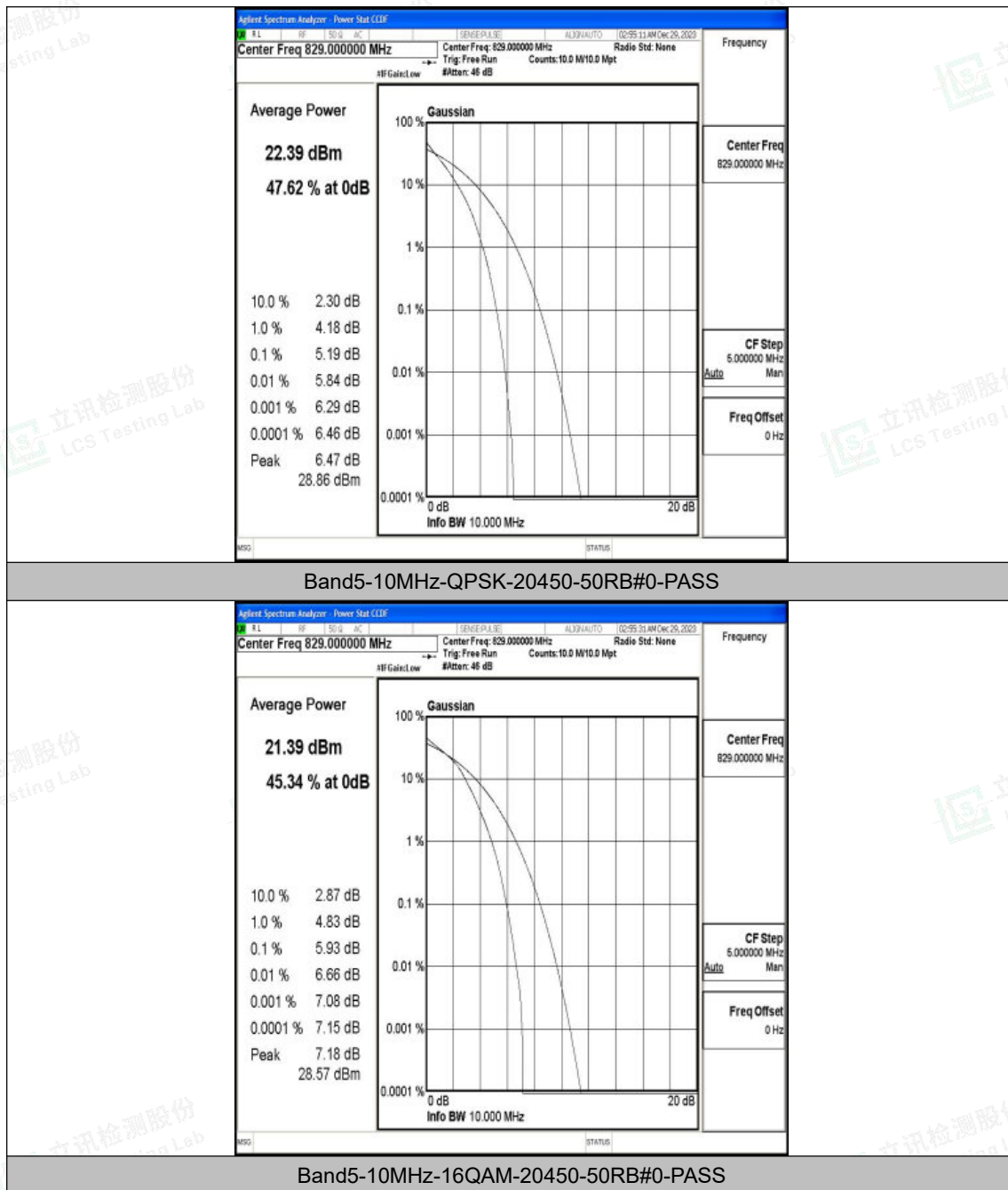


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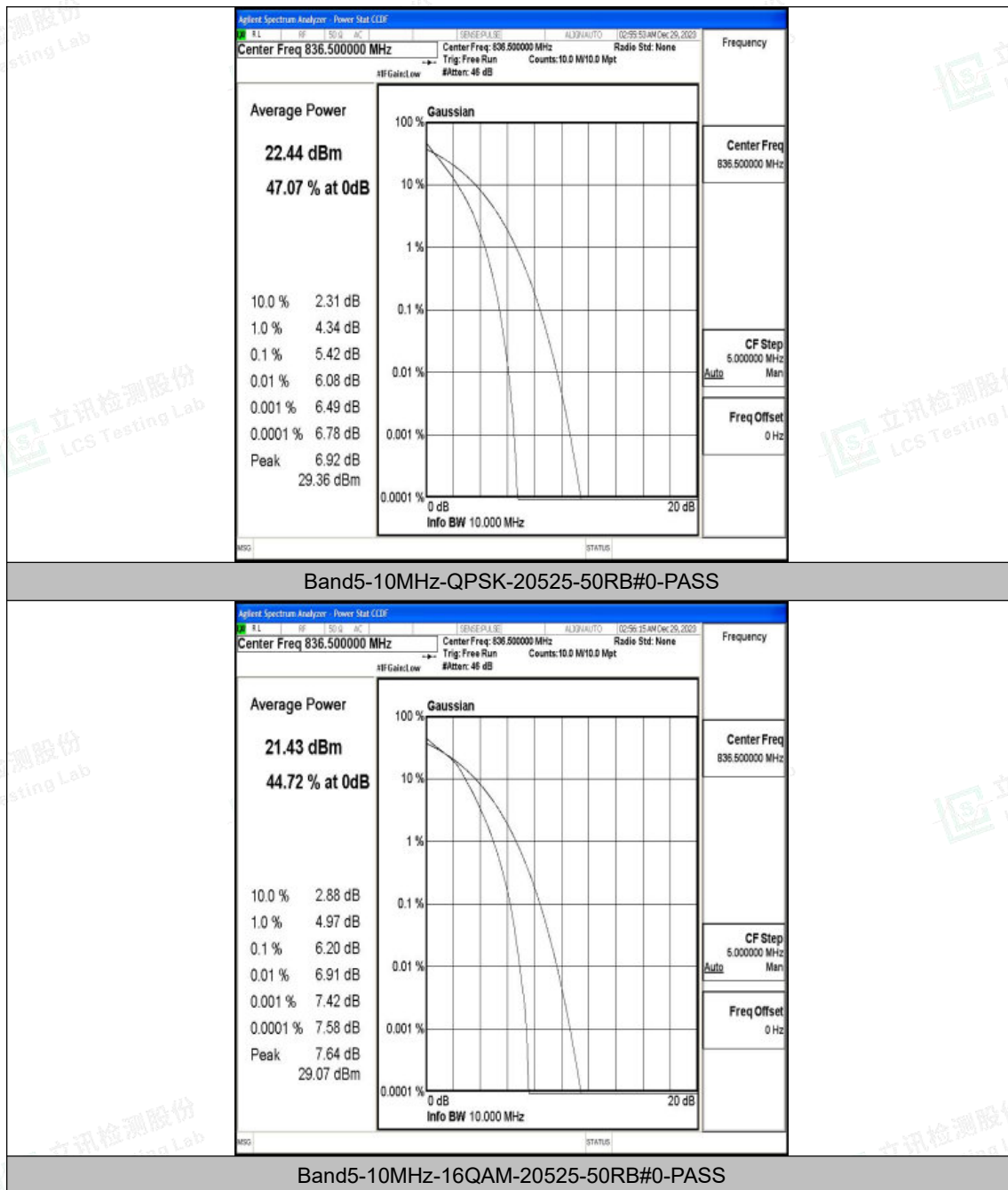


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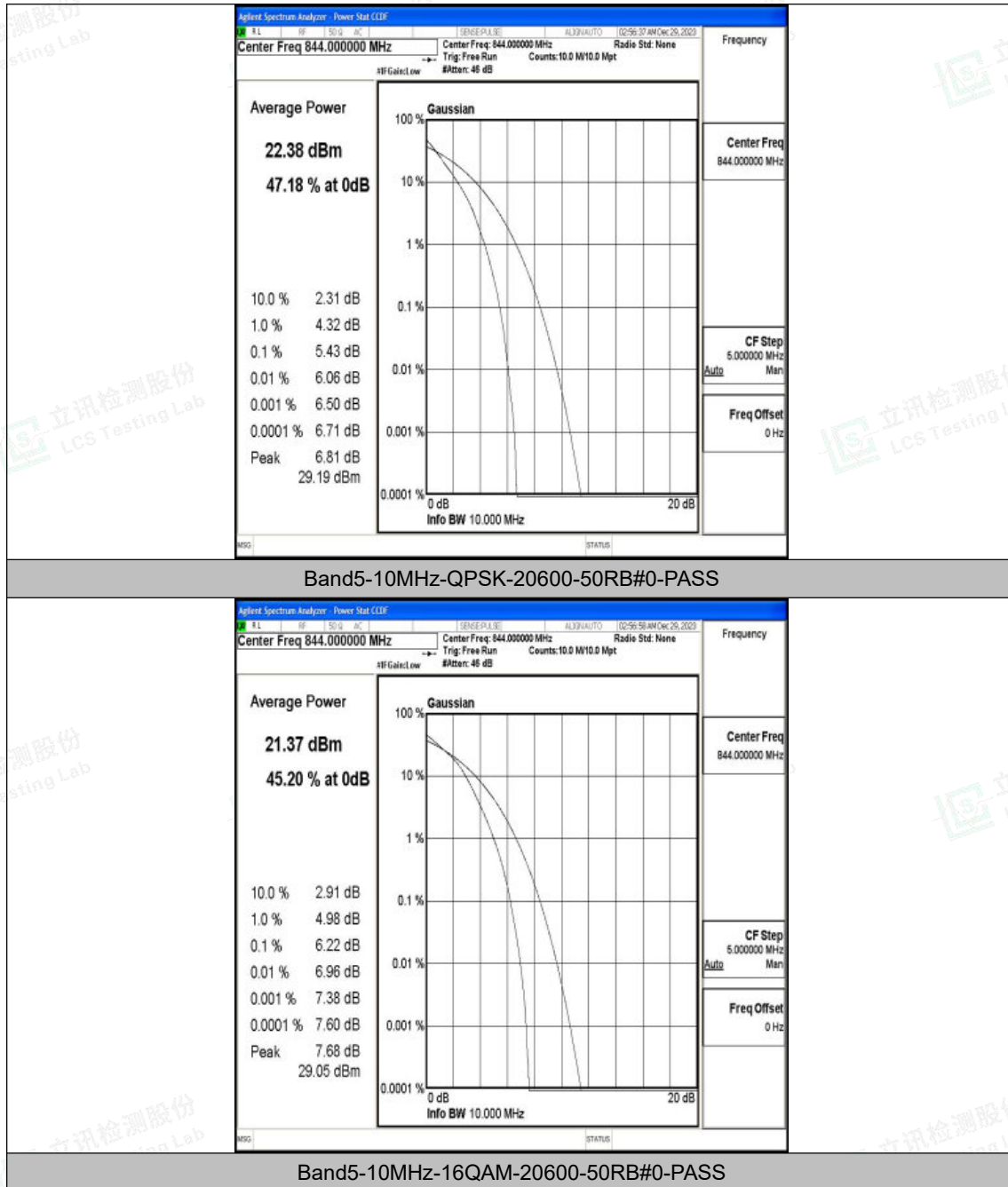


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I.3 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	1.0934	1.272	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.0979	1.280	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.0986	1.272	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.0891	1.273	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.0949	1.274	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.0933	1.261	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.6811	3.096	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.6805	2.948	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.6891	2.924	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.6829	2.964	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.6929	2.949	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.6819	2.956	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.5037	4.916	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.5029	4.896	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.4951	4.881	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.5029	4.918	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.5030	4.907	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.5008	4.909	PASS
Band5	10MHz	QPSK	20450	50RB#0	8.9564	9.762	PASS
Band5	10MHz	16QAM	20450	50RB#0	8.9705	9.704	PASS
Band5	10MHz	QPSK	20525	50RB#0	8.9866	9.685	PASS
Band5	10MHz	16QAM	20525	50RB#0	8.9837	9.752	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.9510	9.762	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.9486	9.695	PASS



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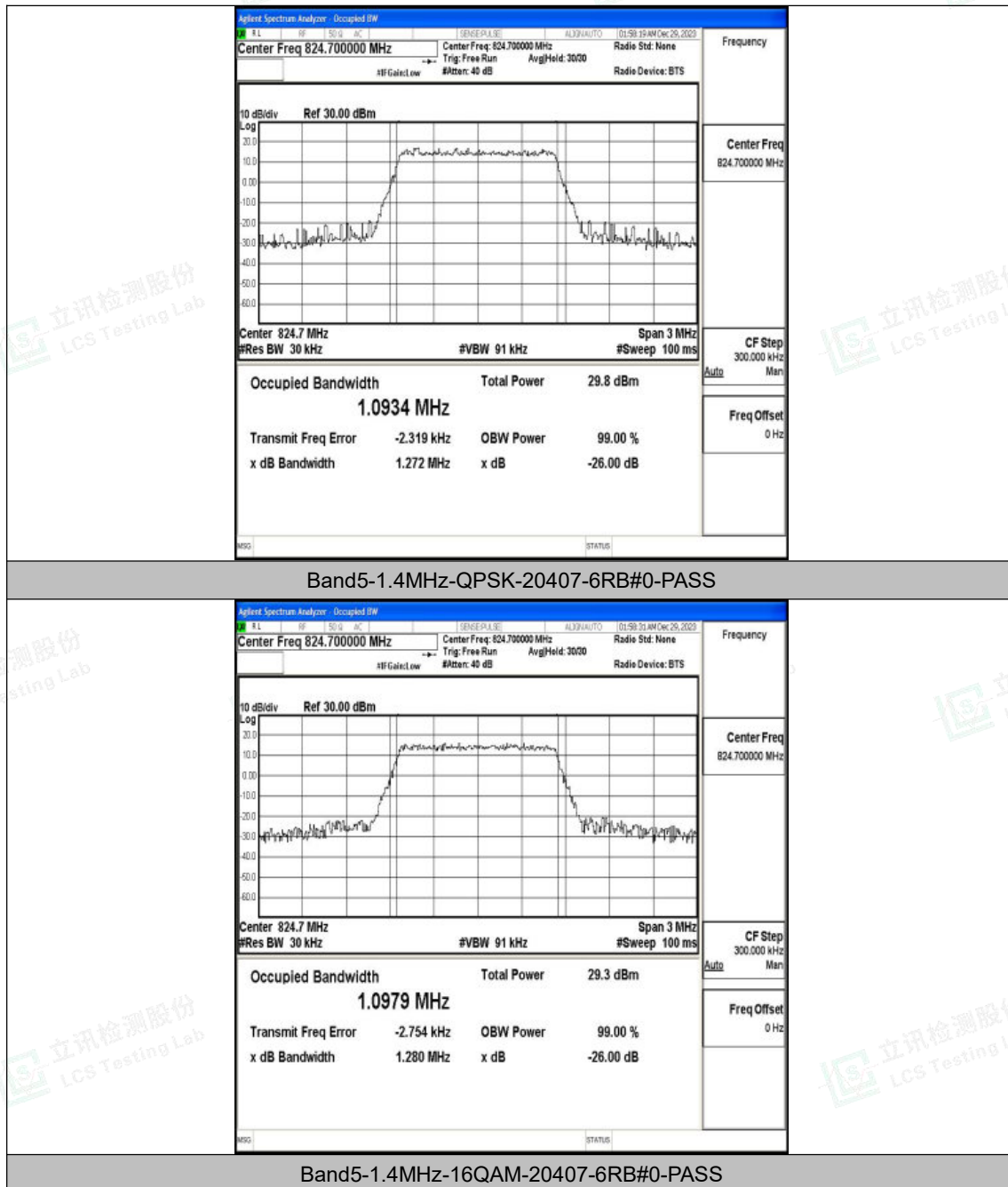
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Test Graphs

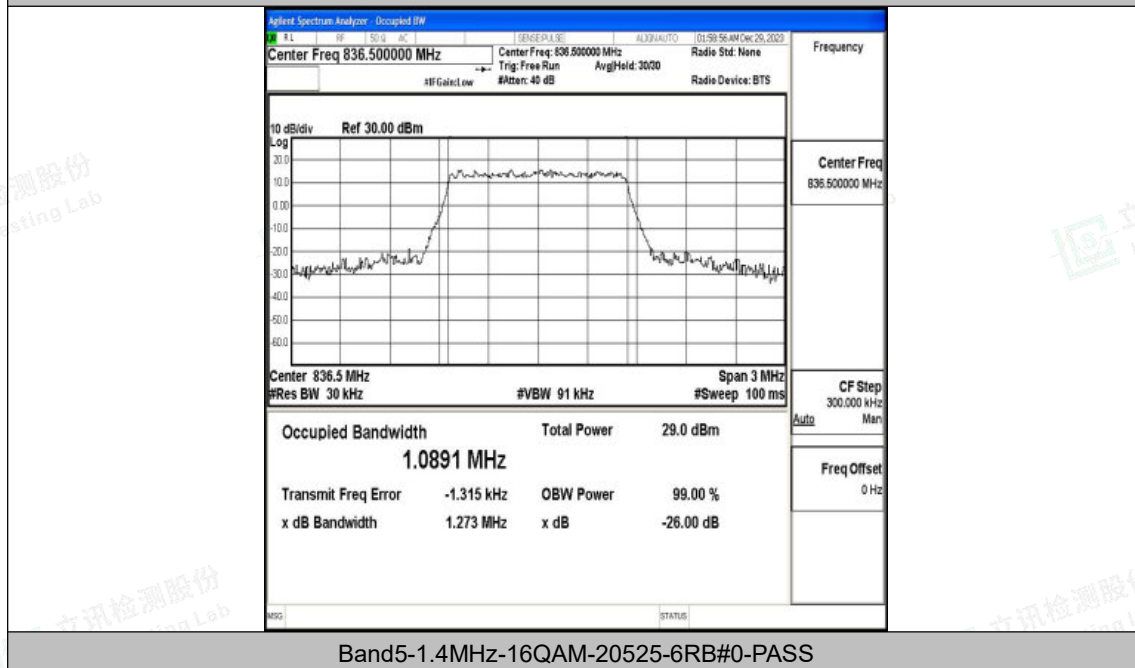
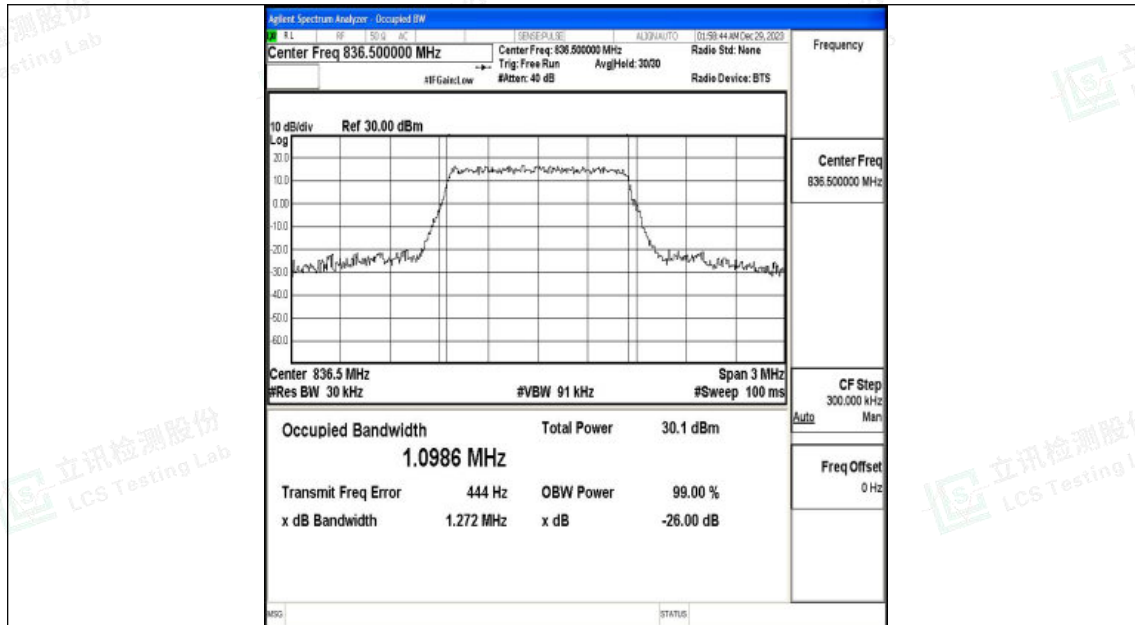


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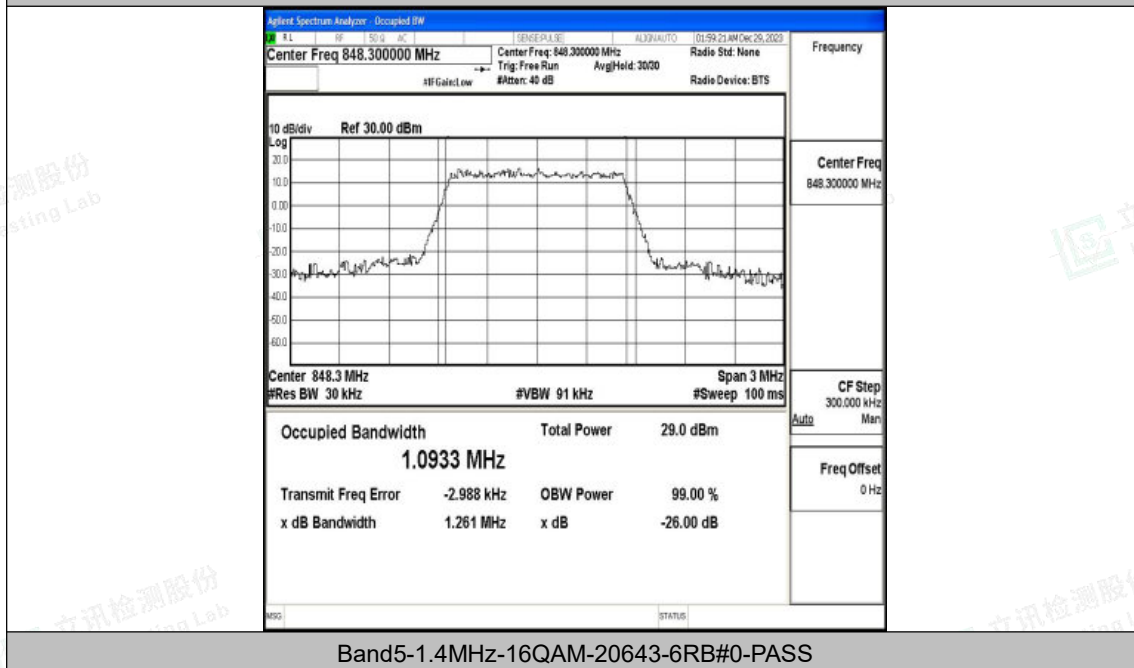
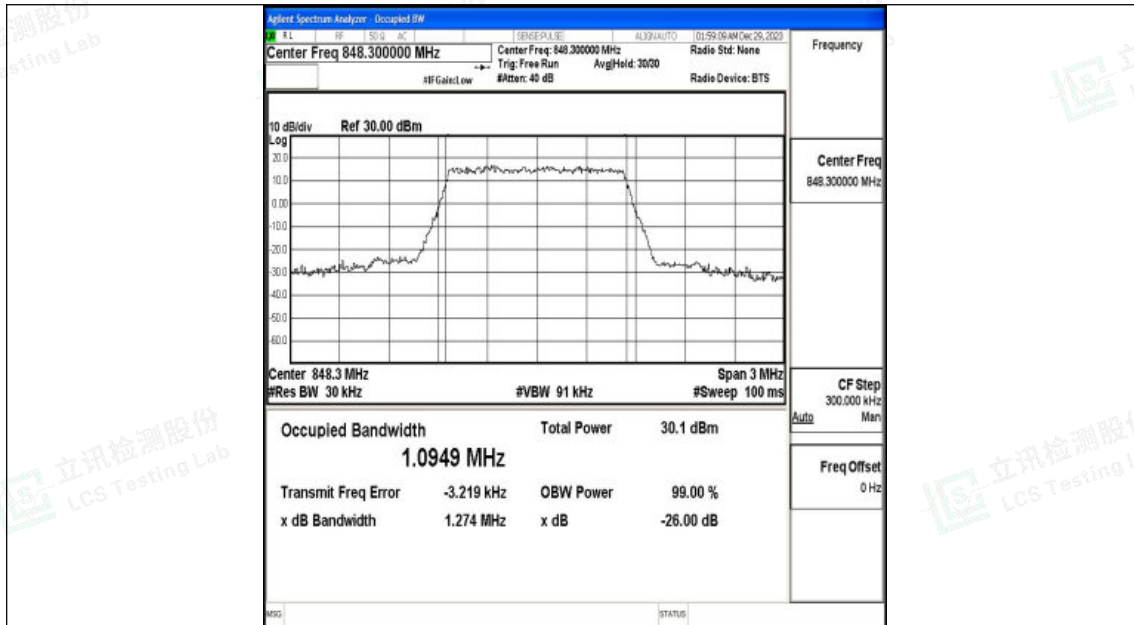


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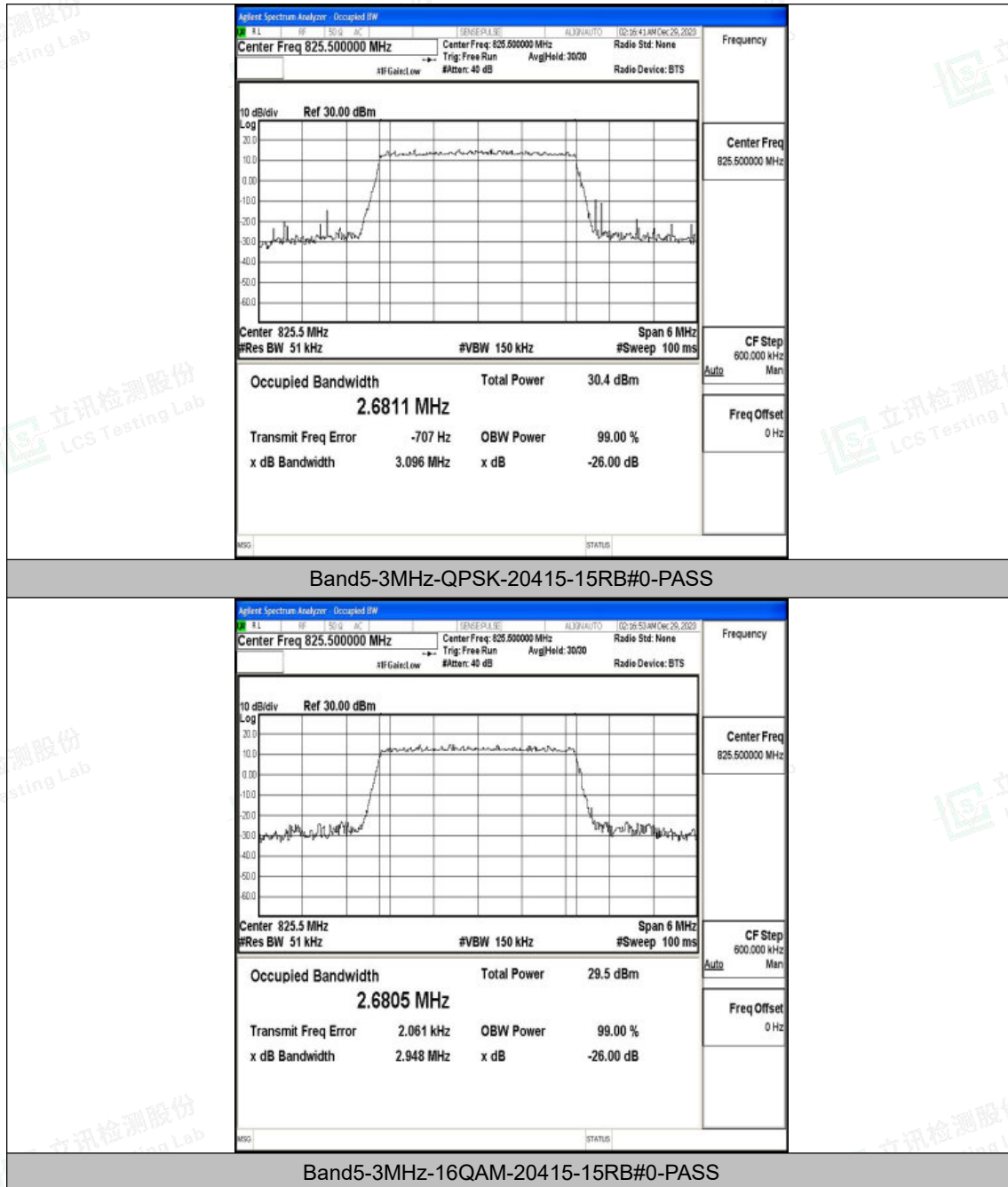


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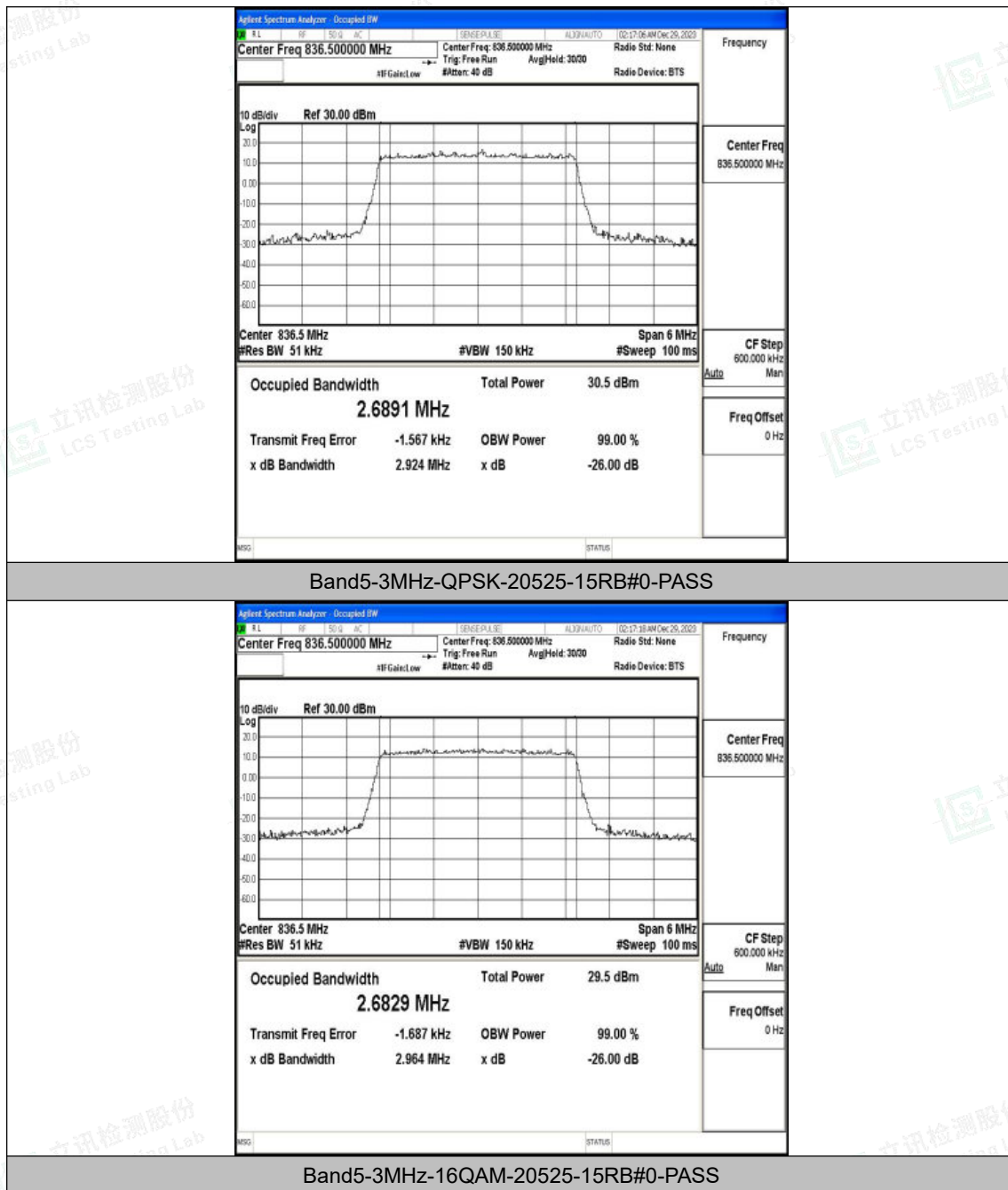


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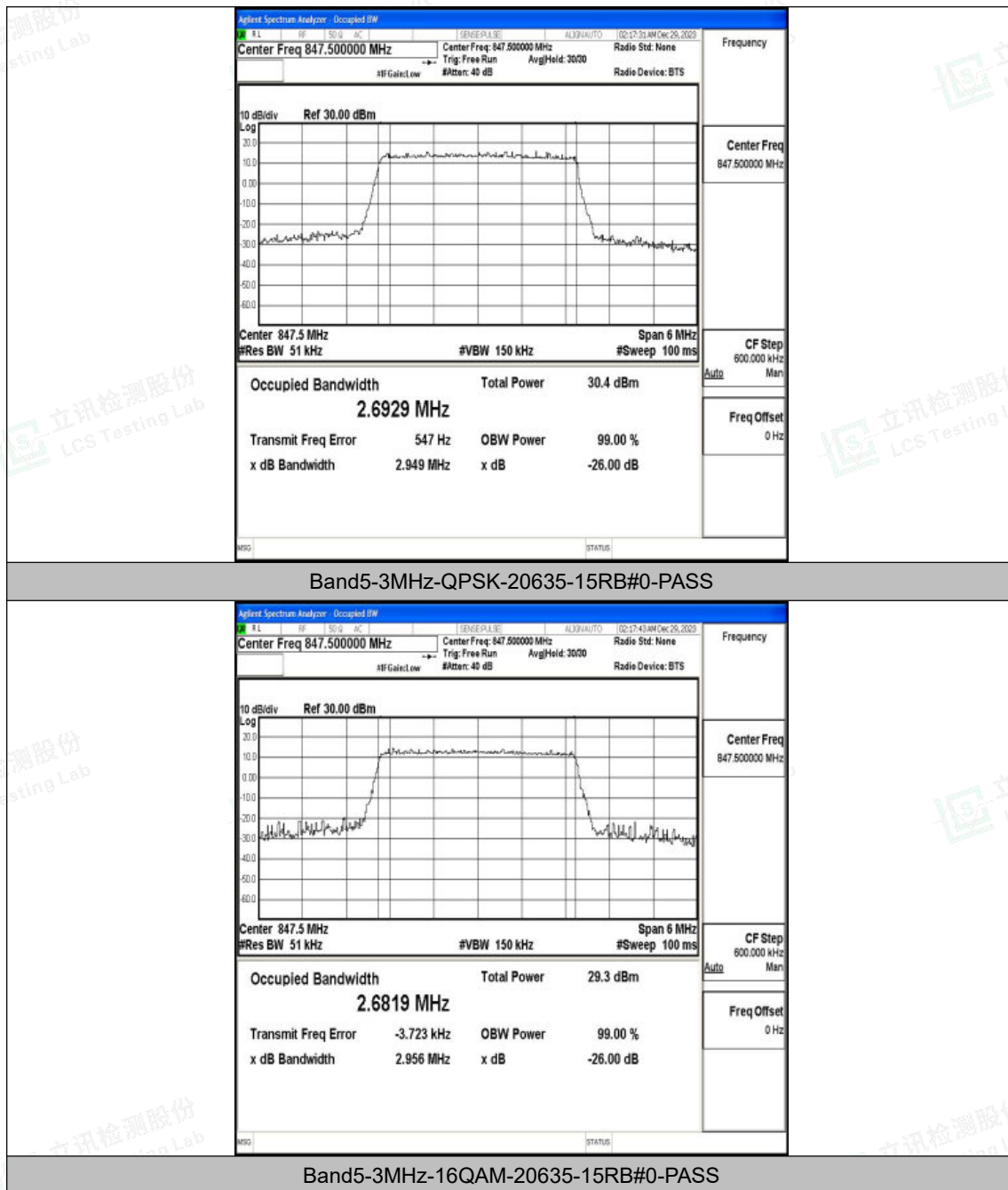


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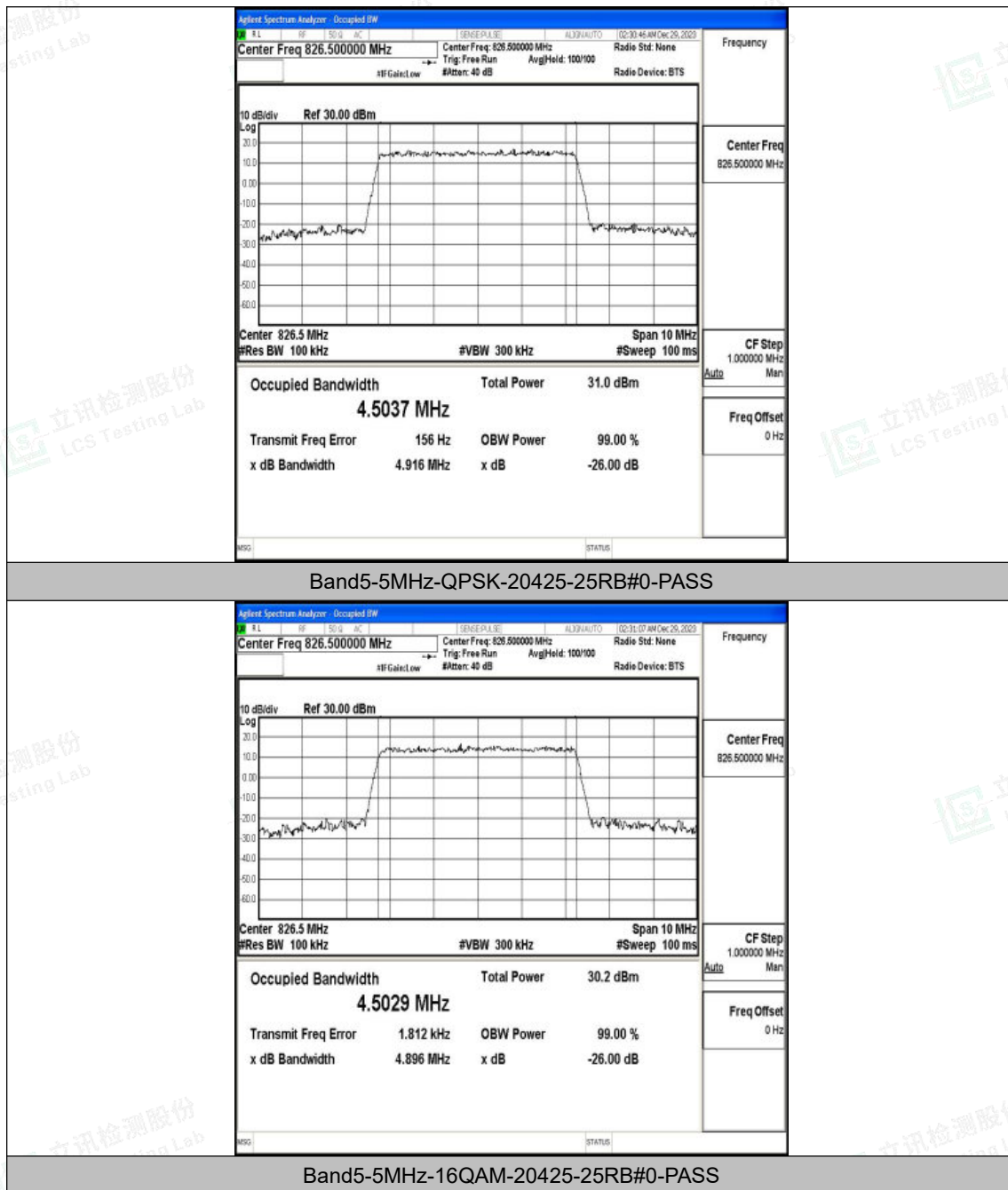


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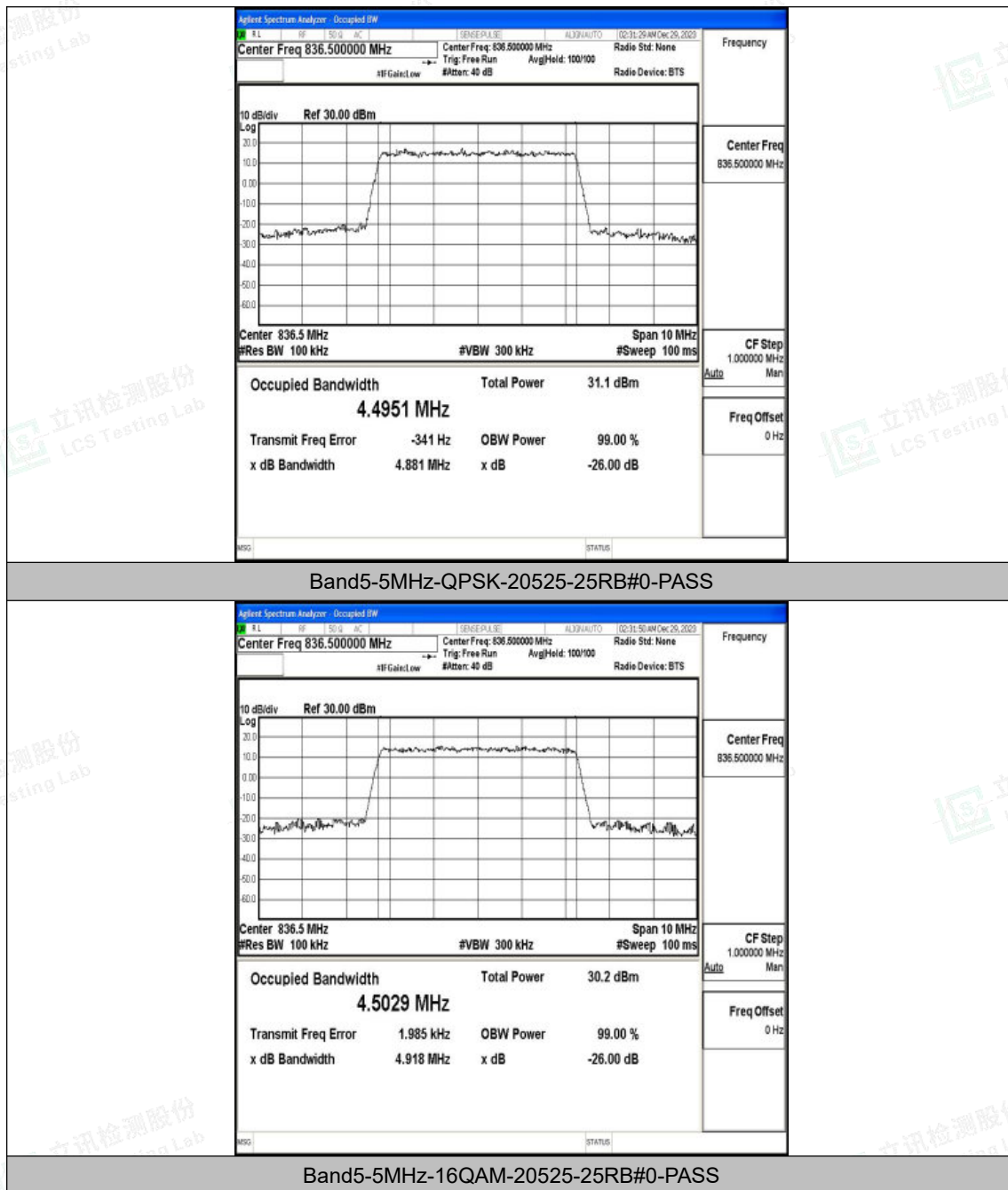


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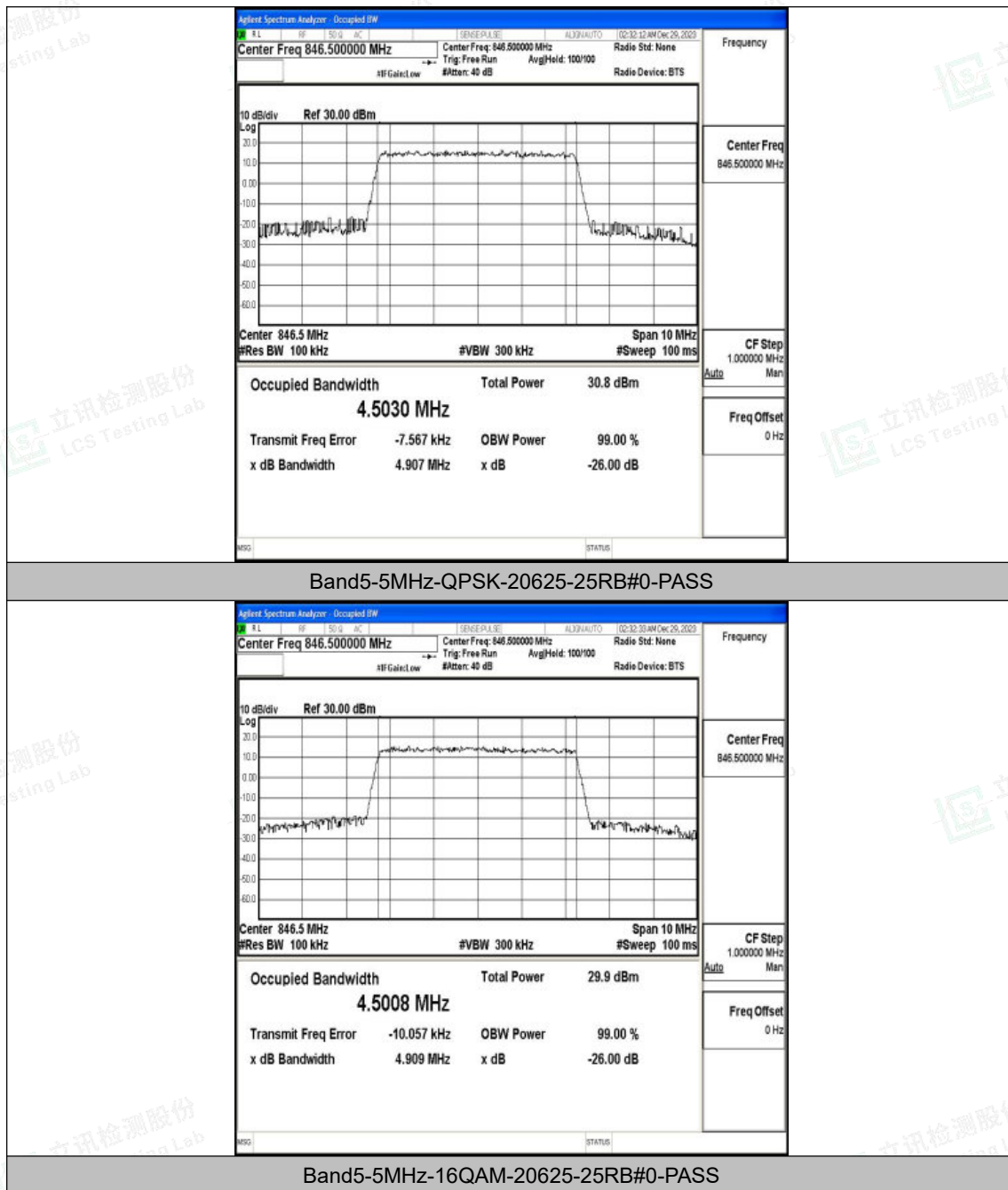


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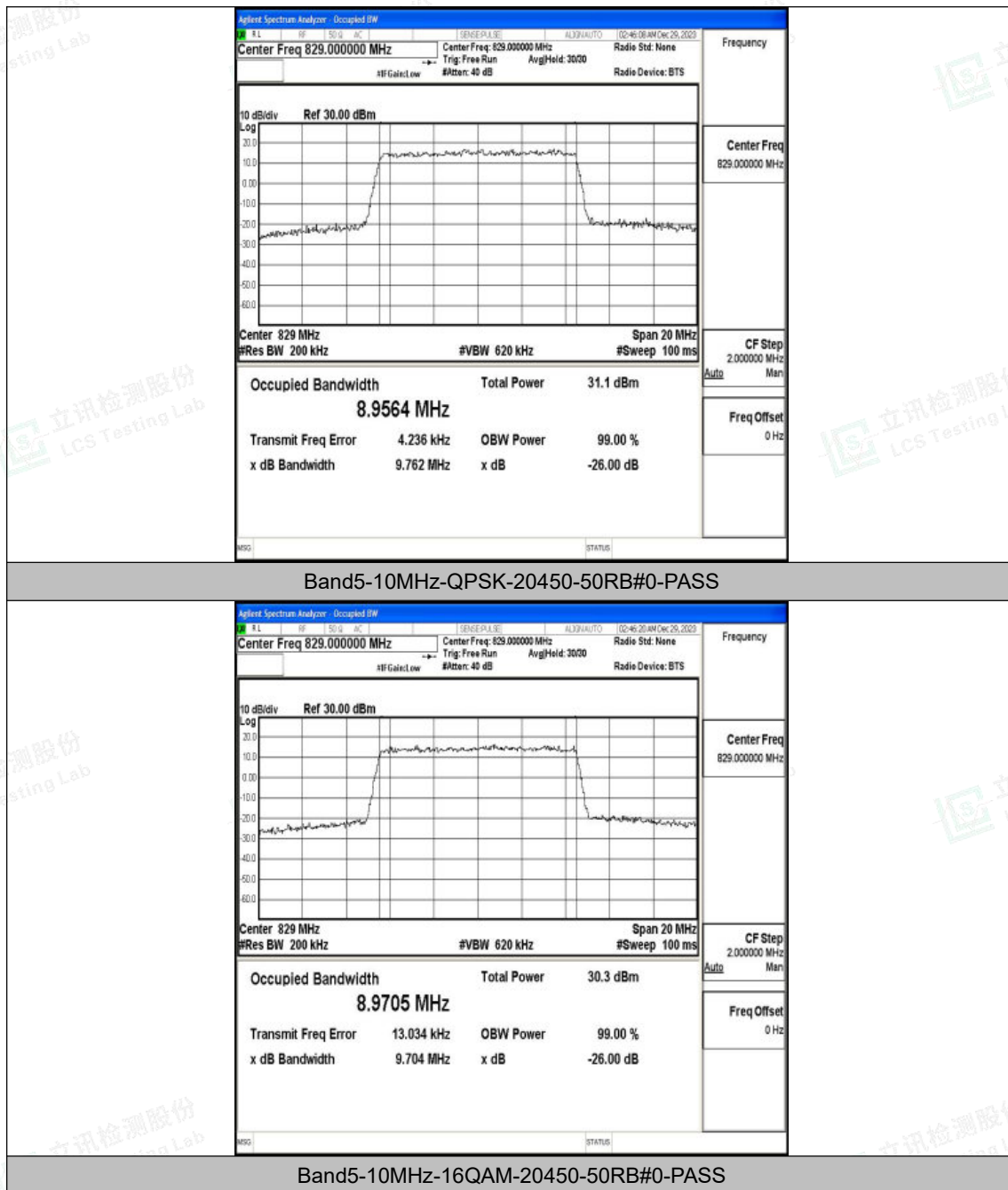


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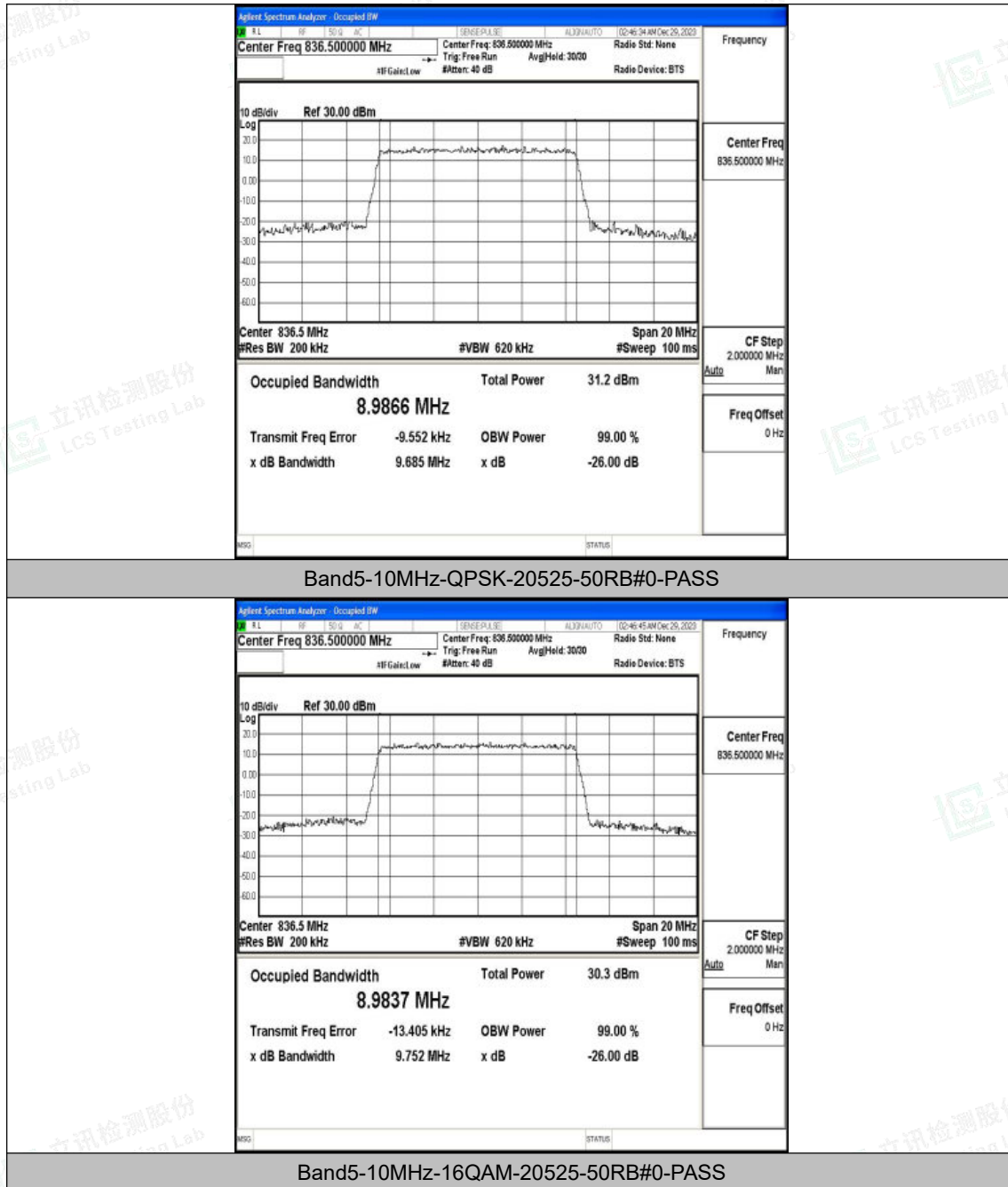


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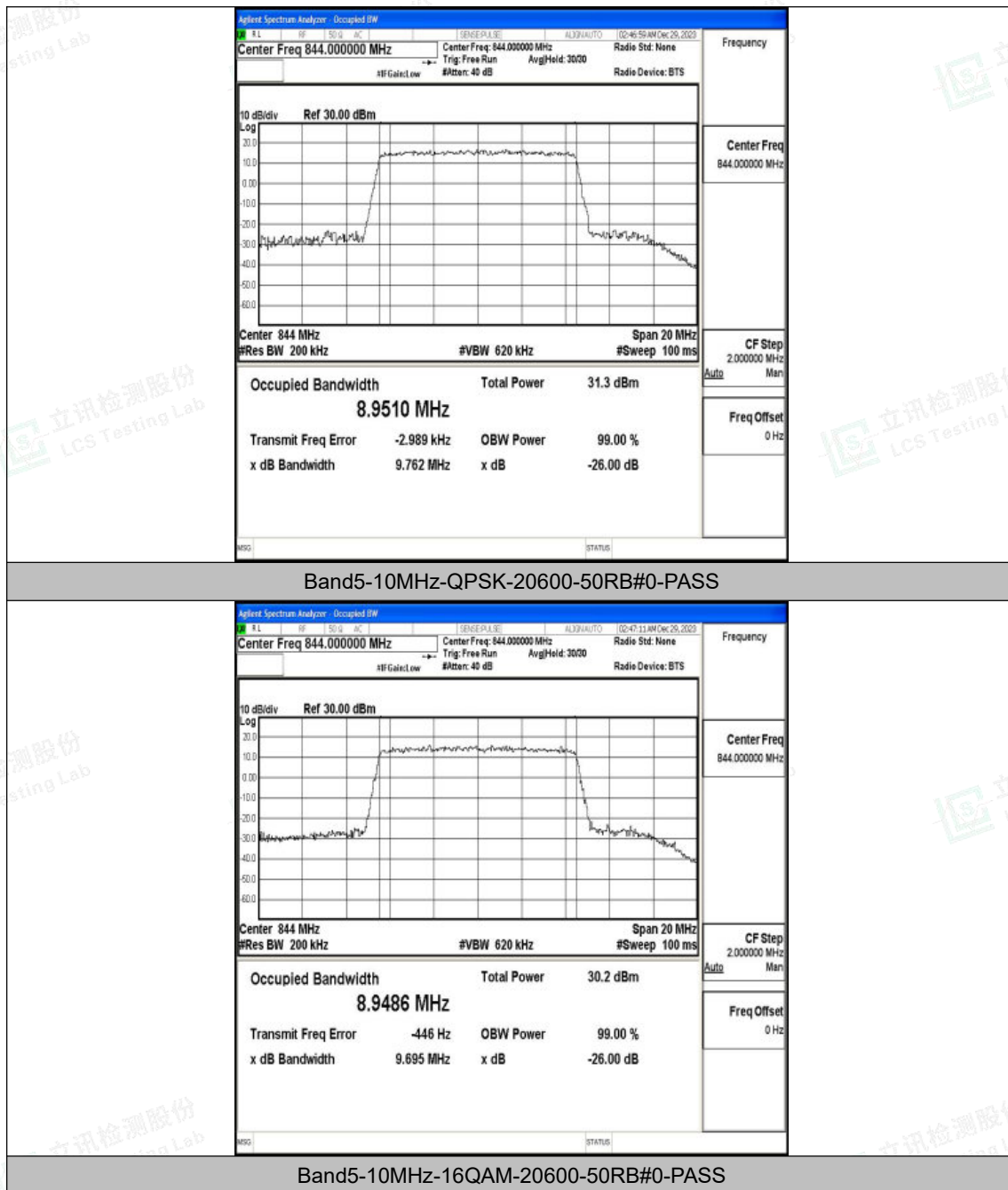


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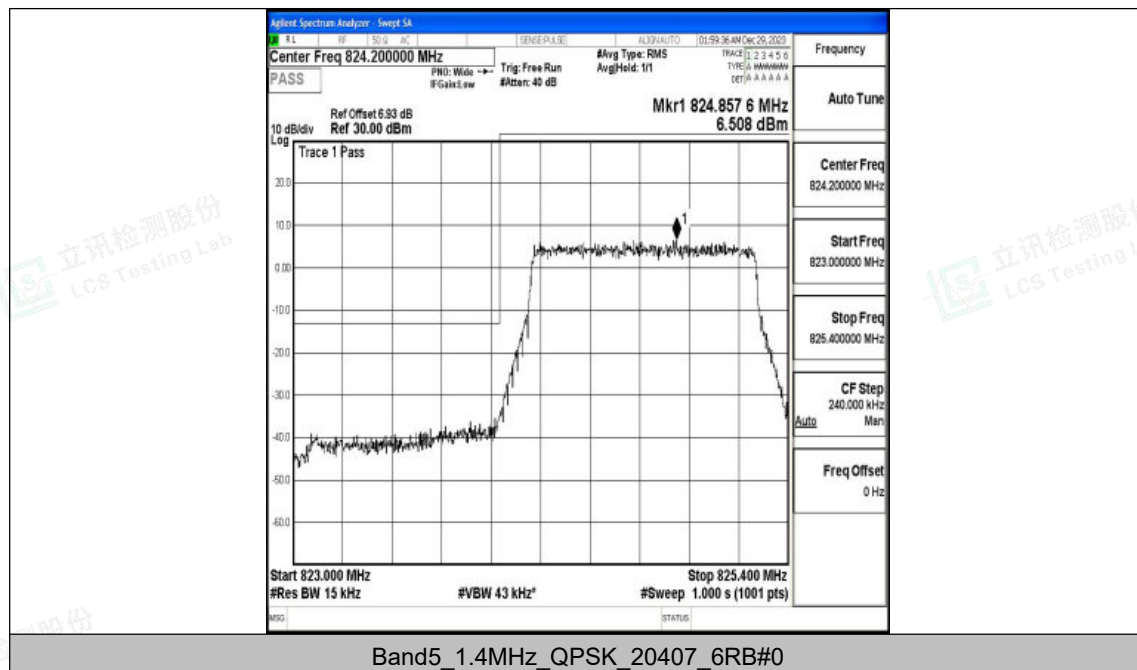


I.4 Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Peak Frequency	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	824.00	-35.29	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	823.98	-35.72	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	849.00	-35.84	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	849.01	-35.75	PASS
Band5	3MHz	QPSK	20415	15RB#0	823.99	-29.50	PASS
Band5	3MHz	16QAM	20415	15RB#0	824.00	-30.12	PASS
Band5	3MHz	QPSK	20635	15RB#0	849.00	-29.40	PASS
Band5	3MHz	16QAM	20635	15RB#0	849.01	-32.09	PASS
Band5	5MHz	QPSK	20425	25RB#0	824.00	-35.19	PASS
Band5	5MHz	16QAM	20425	25RB#0	824.00	-35.30	PASS
Band5	5MHz	QPSK	20625	25RB#0	849.00	-33.15	PASS
Band5	5MHz	16QAM	20625	25RB#0	849.04	-34.98	PASS
Band5	10MHz	QPSK	20450	50RB#0	823.95	-35.09	PASS
Band5	10MHz	16QAM	20450	50RB#0	823.98	-36.81	PASS
Band5	10MHz	QPSK	20600	50RB#0	849.02	-37.19	PASS
Band5	10MHz	16QAM	20600	50RB#0	849.04	-38.04	PASS

Test Graphs

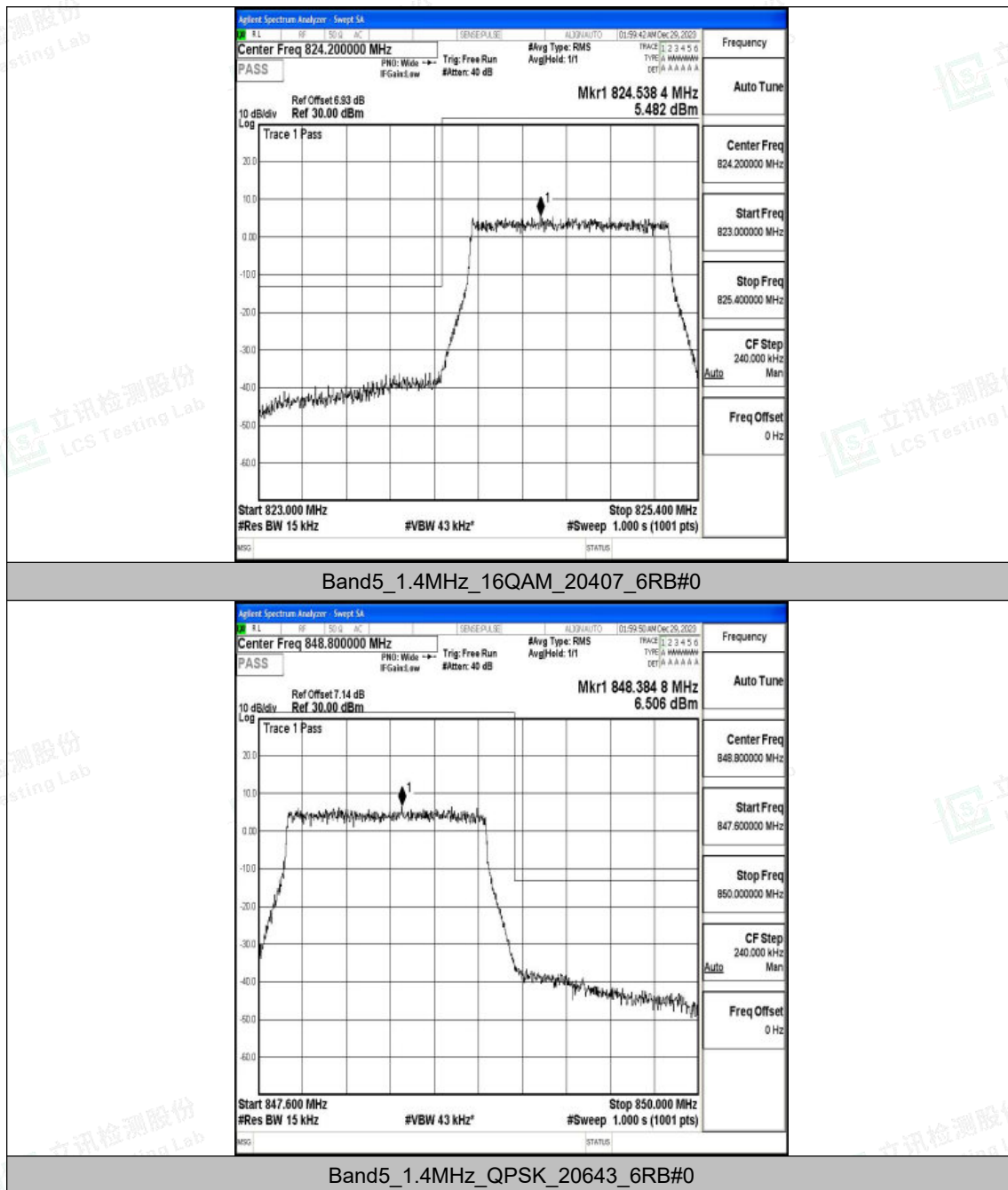


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Scan code to check authenticity

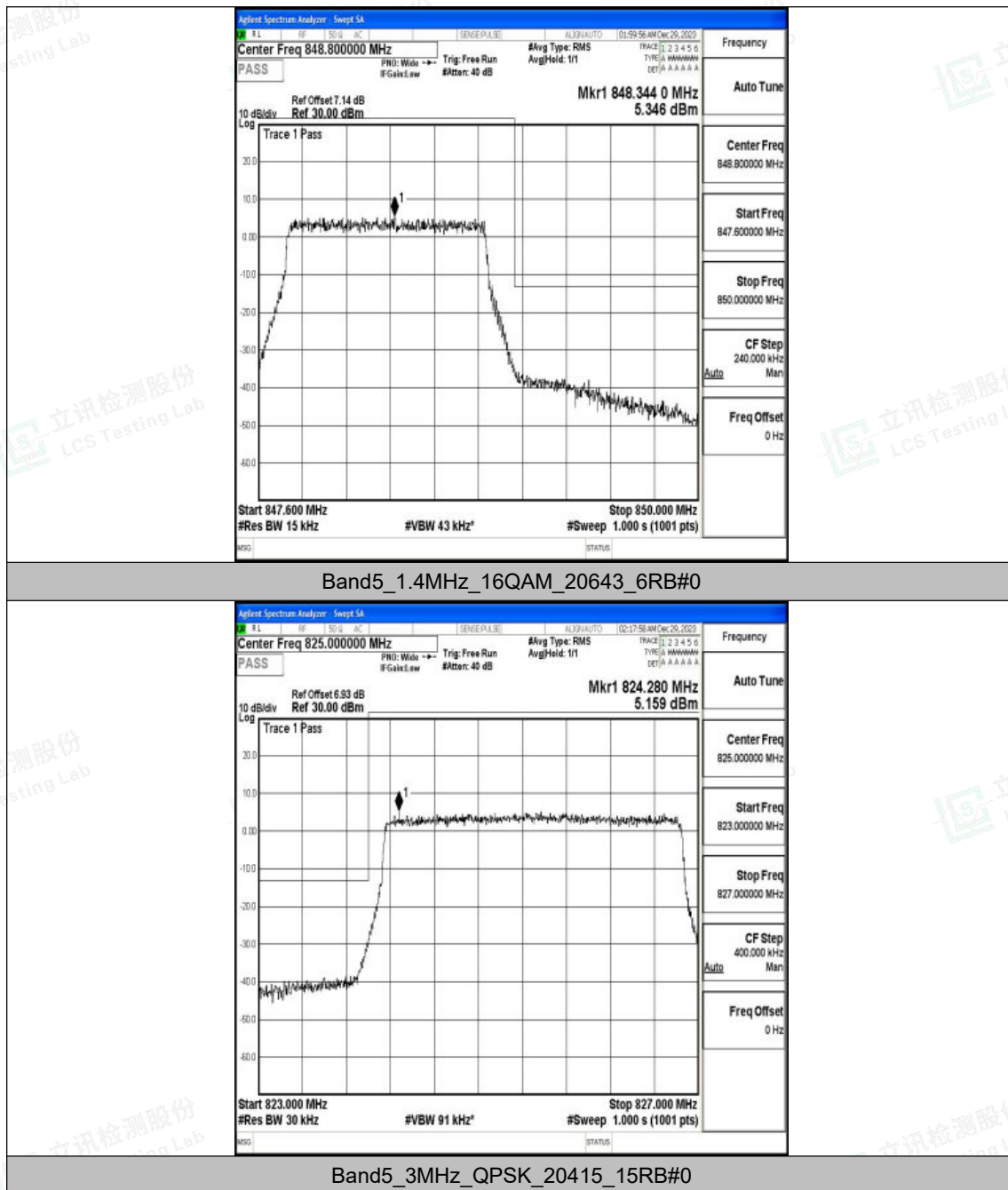


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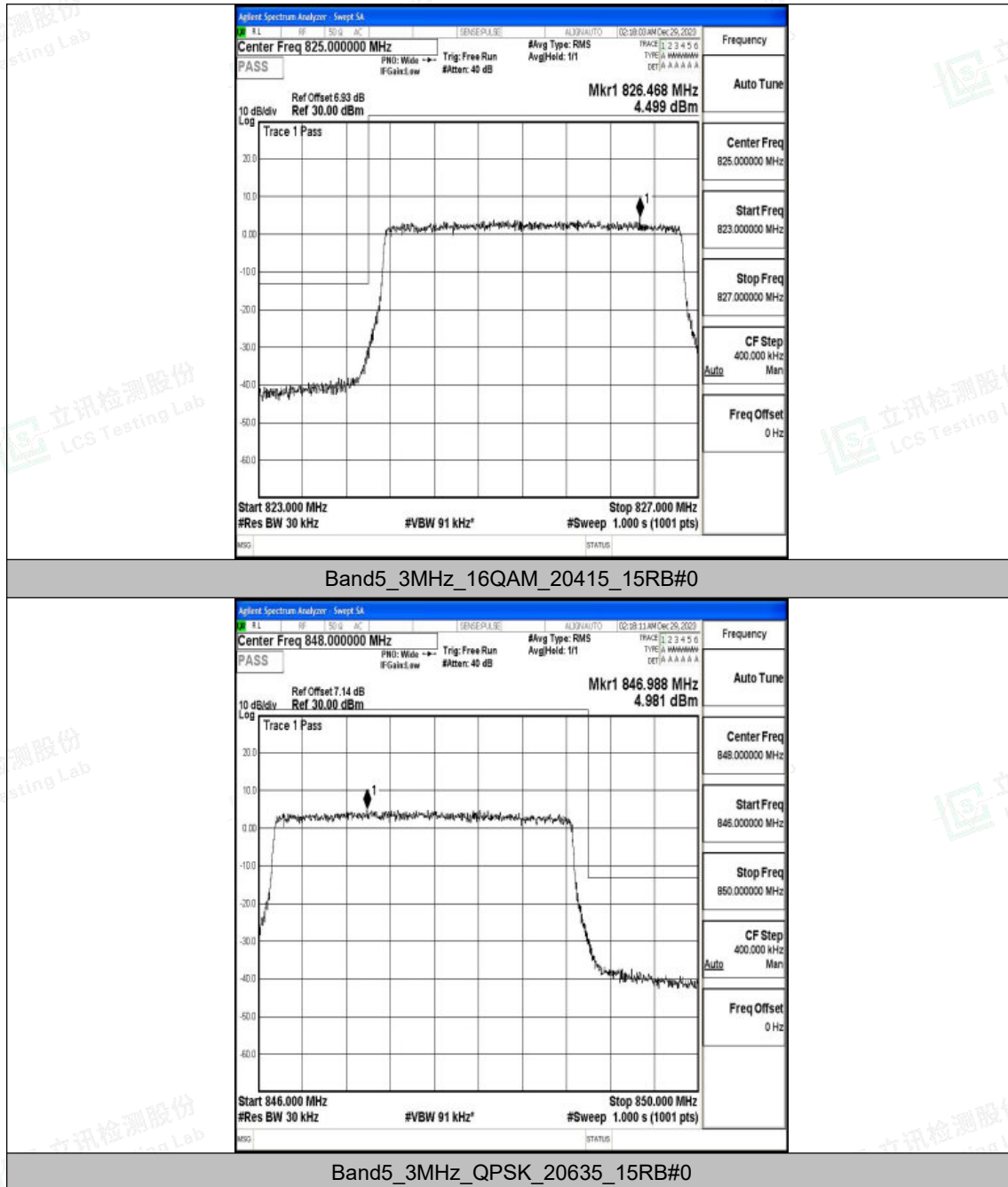


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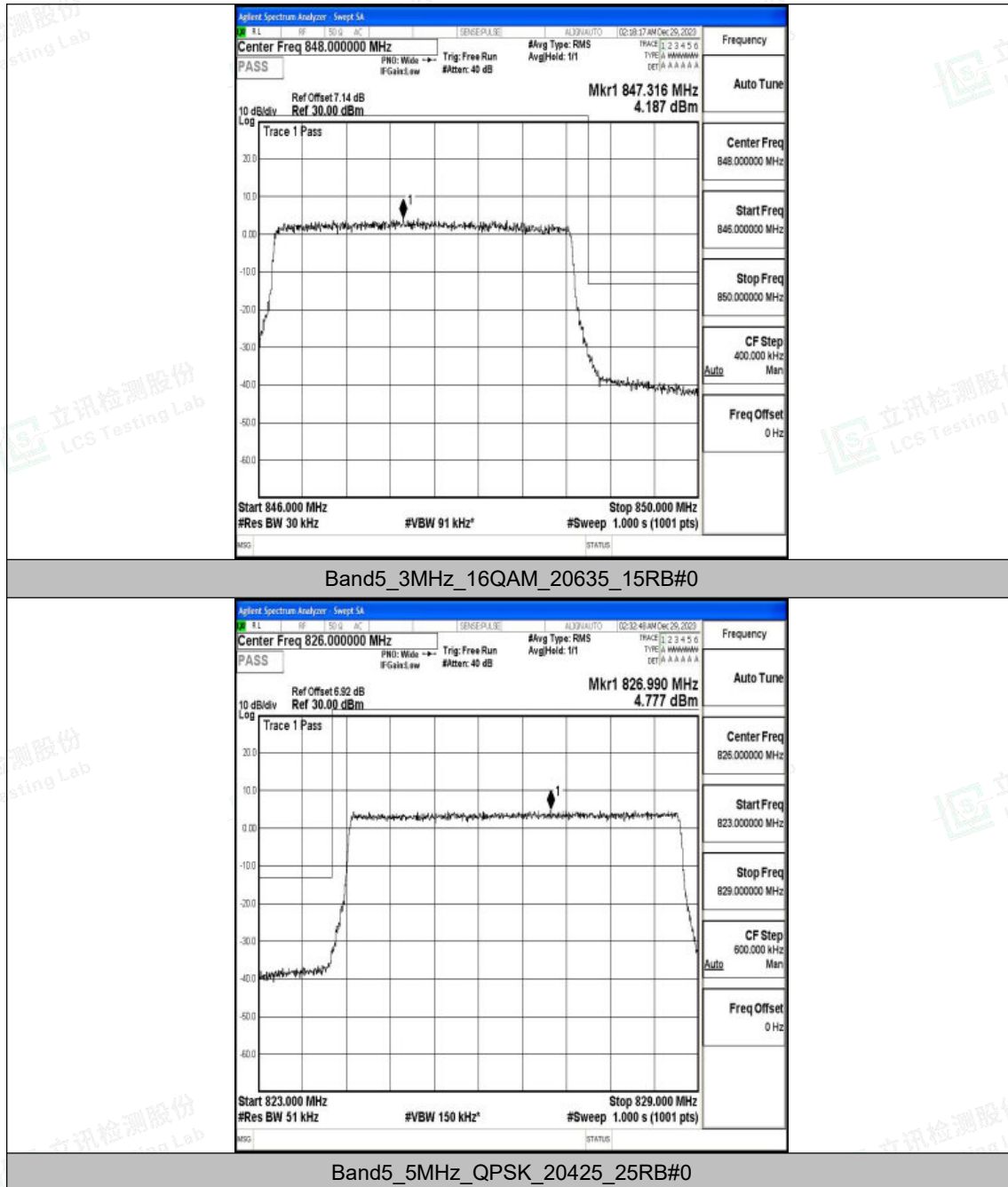


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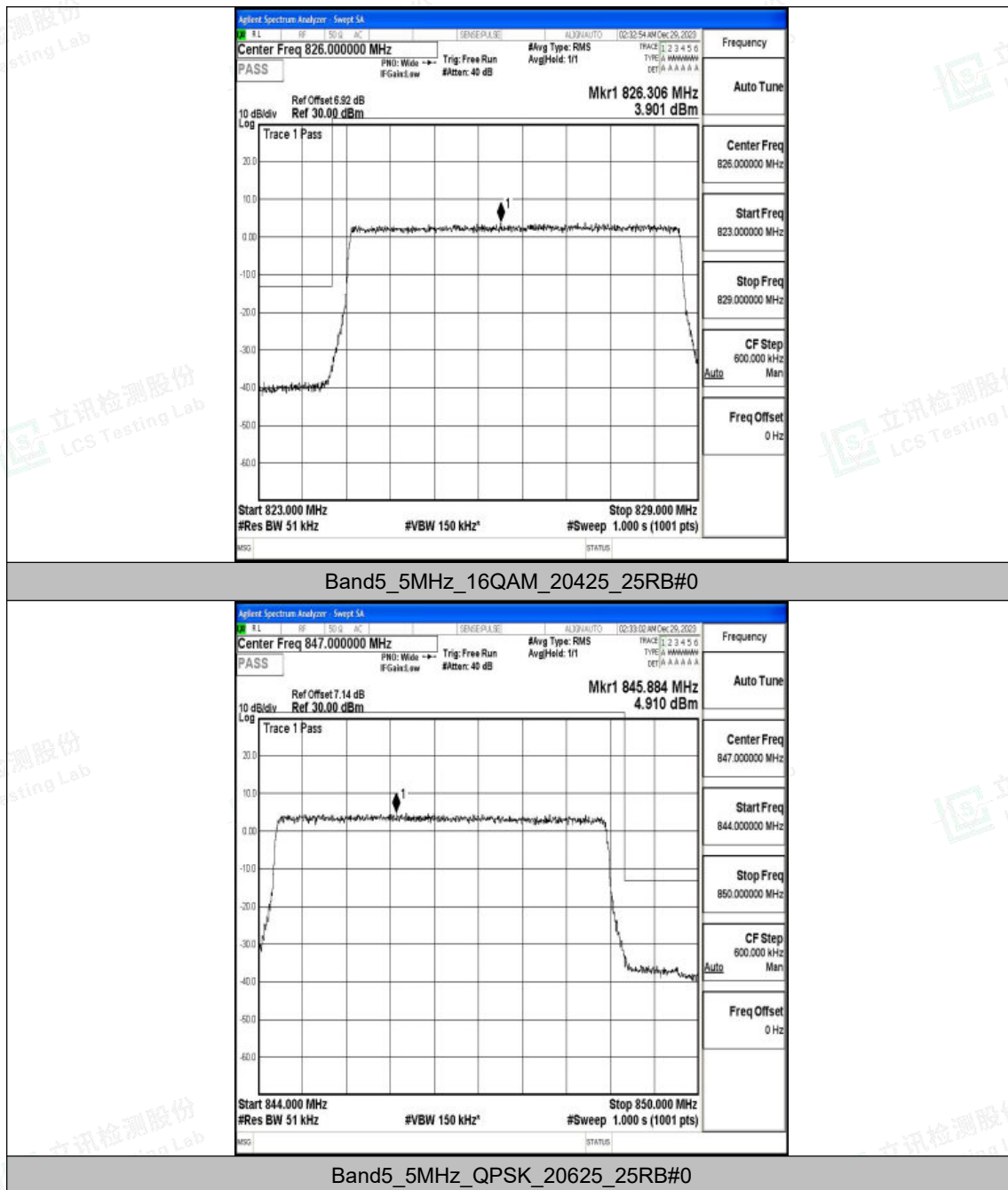


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Scan code to check authenticity

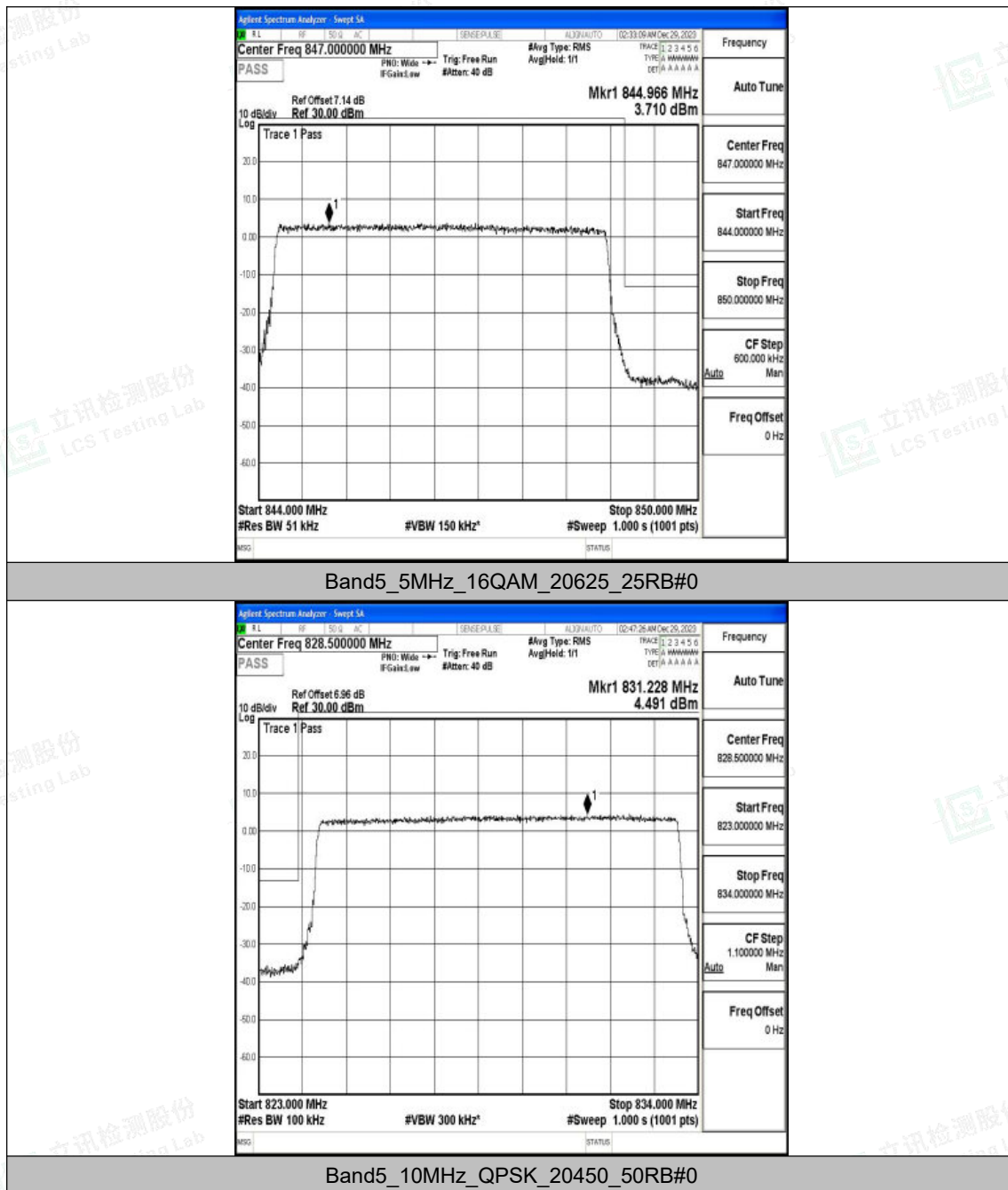


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Scan code to check authenticity

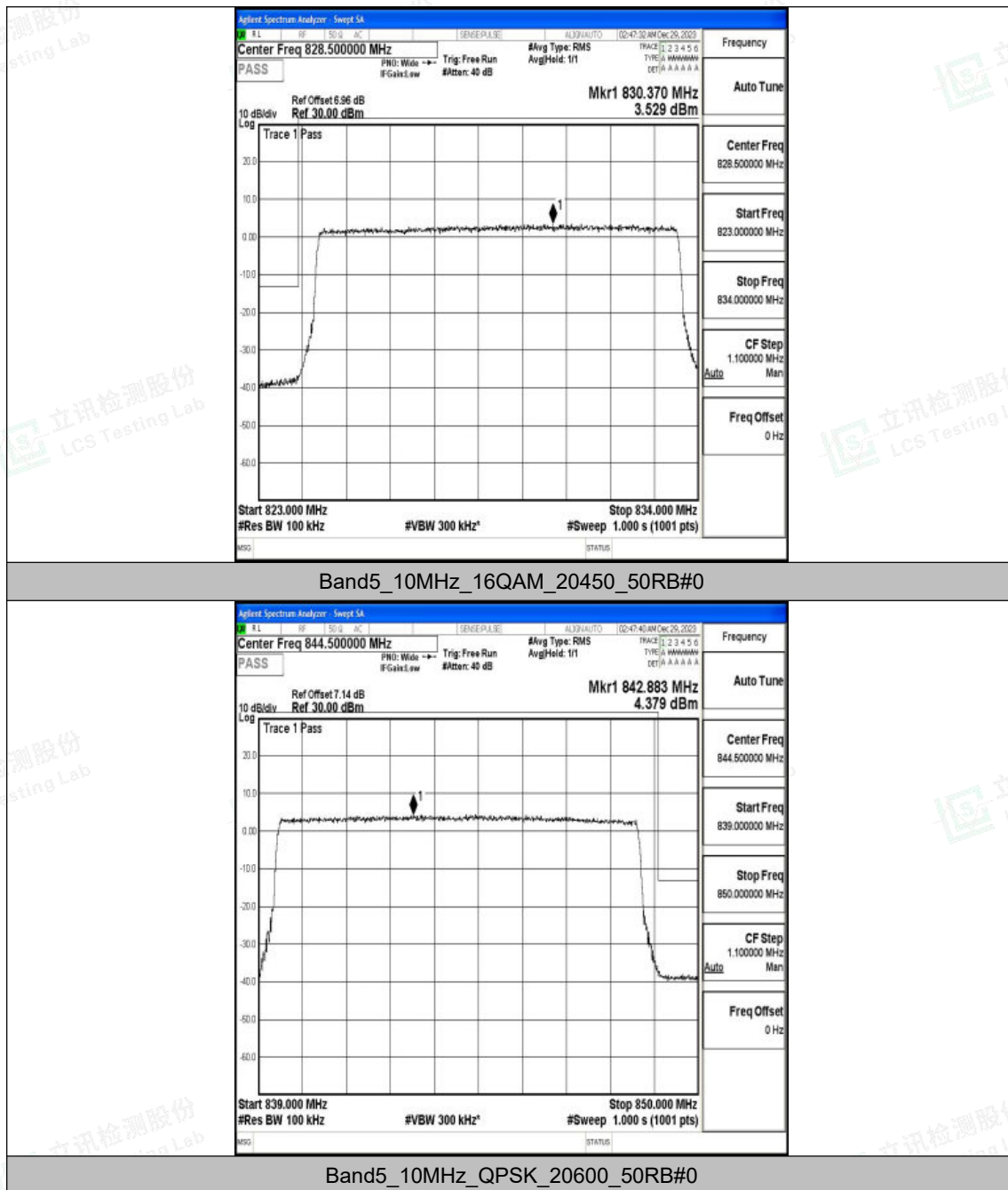


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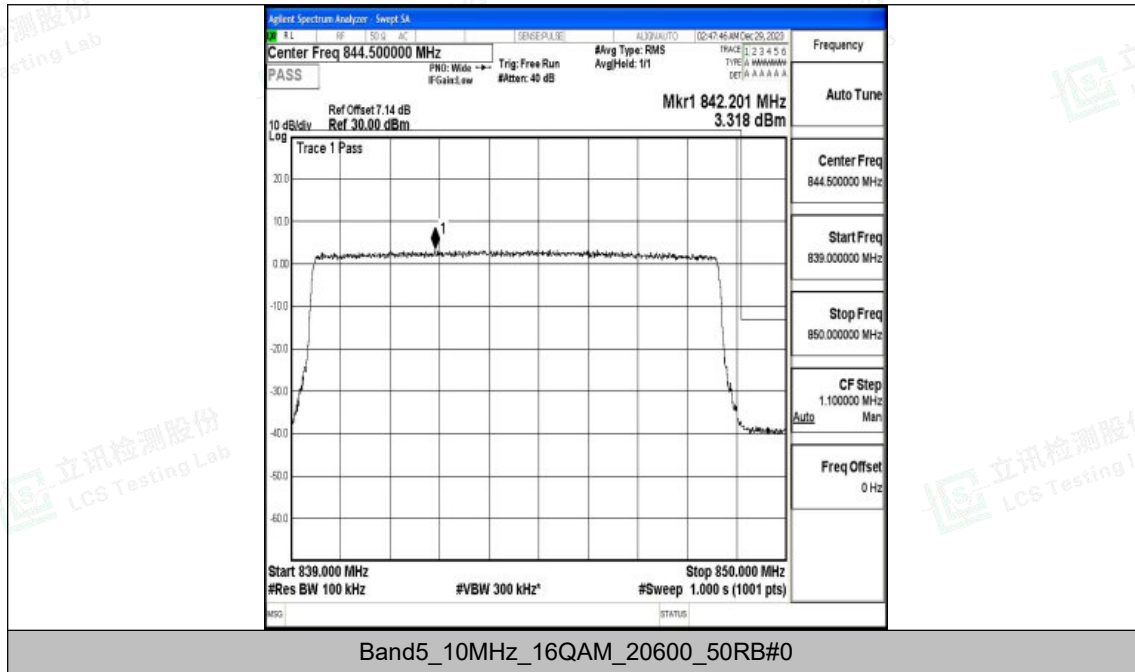


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I.5 Conducted Spurious Emission

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	0.009~0.15	-54.46	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	0.15~30	-52.68	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	30~1000	-50.17	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	1000~3000	-41.81	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	3000~10000	-44.11	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	0.009~0.15	-58.68	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	0.15~30	-50.56	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	30~1000	-51.39	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	1000~3000	-41.10	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	3000~10000	-44.35	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	0.009~0.15	-57.57	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	0.15~30	-53.86	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	30~1000	-49.30	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	1000~3000	-42.44	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	3000~10000	-44.24	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	0.009~0.15	-57.66	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	0.15~30	-52.77	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	30~1000	-49.10	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	1000~3000	-42.52	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	3000~10000	-44.11	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	0.009~0.15	-56.75	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	0.15~30	-50.85	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	30~1000	-49.74	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	1000~3000	-42.95	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	3000~10000	-43.76	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	0.009~0.15	-55.68	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	0.15~30	-51.87	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	30~1000	-49.87	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	1000~3000	-42.87	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	3000~10000	-43.95	PASS
Band5	3MHz	QPSK	20415	1RB#0	0.009~0.15	-56.38	PASS
Band5	3MHz	QPSK	20415	1RB#0	0.15~30	-51.21	PASS
Band5	3MHz	QPSK	20415	1RB#0	30~1000	-54.54	PASS
Band5	3MHz	QPSK	20415	1RB#0	1000~3000	-41.49	PASS
Band5	3MHz	QPSK	20415	1RB#0	3000~10000	-43.81	PASS



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Band5	3MHz	16QAM	20415	1RB#0	0.009~0.15	-57.67	PASS
Band5	3MHz	16QAM	20415	1RB#0	0.15~30	-50.31	PASS
Band5	3MHz	16QAM	20415	1RB#0	30~1000	-54.48	PASS
Band5	3MHz	16QAM	20415	1RB#0	1000~3000	-42.01	PASS
Band5	3MHz	16QAM	20415	1RB#0	3000~10000	-44.15	PASS
Band5	3MHz	QPSK	20525	1RB#0	0.009~0.15	-54.35	PASS
Band5	3MHz	QPSK	20525	1RB#0	0.15~30	-53.23	PASS
Band5	3MHz	QPSK	20525	1RB#0	30~1000	-55.04	PASS
Band5	3MHz	QPSK	20525	1RB#0	1000~3000	-43.01	PASS
Band5	3MHz	QPSK	20525	1RB#0	3000~10000	-44.11	PASS
Band5	3MHz	16QAM	20525	1RB#0	0.009~0.15	-58.57	PASS
Band5	3MHz	16QAM	20525	1RB#0	0.15~30	-52.67	PASS
Band5	3MHz	16QAM	20525	1RB#0	30~1000	-55.65	PASS
Band5	3MHz	16QAM	20525	1RB#0	1000~3000	-42.41	PASS
Band5	3MHz	16QAM	20525	1RB#0	3000~10000	-43.99	PASS
Band5	3MHz	QPSK	20635	1RB#0	0.009~0.15	-58.93	PASS
Band5	3MHz	QPSK	20635	1RB#0	0.15~30	-50.66	PASS
Band5	3MHz	QPSK	20635	1RB#0	30~1000	-54.79	PASS
Band5	3MHz	QPSK	20635	1RB#0	1000~3000	-43.01	PASS
Band5	3MHz	QPSK	20635	1RB#0	3000~10000	-44.29	PASS
Band5	3MHz	16QAM	20635	1RB#0	0.009~0.15	-58.95	PASS
Band5	3MHz	16QAM	20635	1RB#0	0.15~30	-53.44	PASS
Band5	3MHz	16QAM	20635	1RB#0	30~1000	-56.46	PASS
Band5	3MHz	16QAM	20635	1RB#0	1000~3000	-43.16	PASS
Band5	3MHz	16QAM	20635	1RB#0	3000~10000	-44.18	PASS
Band5	5MHz	QPSK	20425	1RB#0	0.009~0.15	-57.15	PASS
Band5	5MHz	QPSK	20425	1RB#0	0.15~30	-53.58	PASS
Band5	5MHz	QPSK	20425	1RB#0	30~1000	-61.73	PASS
Band5	5MHz	QPSK	20425	1RB#0	1000~3000	-40.37	PASS
Band5	5MHz	QPSK	20425	1RB#0	3000~10000	-44.05	PASS
Band5	5MHz	16QAM	20425	1RB#0	0.009~0.15	-57.57	PASS
Band5	5MHz	16QAM	20425	1RB#0	0.15~30	-52.05	PASS
Band5	5MHz	16QAM	20425	1RB#0	30~1000	-61.69	PASS
Band5	5MHz	16QAM	20425	1RB#0	1000~3000	-42.09	PASS
Band5	5MHz	16QAM	20425	1RB#0	3000~10000	-43.73	PASS
Band5	5MHz	QPSK	20525	1RB#0	0.009~0.15	-55.88	PASS
Band5	5MHz	QPSK	20525	1RB#0	0.15~30	-51.02	PASS
Band5	5MHz	QPSK	20525	1RB#0	30~1000	-61.41	PASS
Band5	5MHz	QPSK	20525	1RB#0	1000~3000	-42.24	PASS
Band5	5MHz	QPSK	20525	1RB#0	3000~10000	-44.12	PASS



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Band5	5MHz	16QAM	20525	1RB#0	0.009~0.15	-60.87	PASS
Band5	5MHz	16QAM	20525	1RB#0	0.15~30	-52.81	PASS
Band5	5MHz	16QAM	20525	1RB#0	30~1000	-62.11	PASS
Band5	5MHz	16QAM	20525	1RB#0	1000~3000	-41.87	PASS
Band5	5MHz	16QAM	20525	1RB#0	3000~10000	-44.05	PASS
Band5	5MHz	QPSK	20625	1RB#0	0.009~0.15	-54.46	PASS
Band5	5MHz	QPSK	20625	1RB#0	0.15~30	-52.94	PASS
Band5	5MHz	QPSK	20625	1RB#0	30~1000	-61.82	PASS
Band5	5MHz	QPSK	20625	1RB#0	1000~3000	-42.40	PASS
Band5	5MHz	QPSK	20625	1RB#0	3000~10000	-43.93	PASS
Band5	5MHz	16QAM	20625	1RB#0	0.009~0.15	-57.54	PASS
Band5	5MHz	16QAM	20625	1RB#0	0.15~30	-51.24	PASS
Band5	5MHz	16QAM	20625	1RB#0	30~1000	-61.36	PASS
Band5	5MHz	16QAM	20625	1RB#0	1000~3000	-42.72	PASS
Band5	5MHz	16QAM	20625	1RB#0	3000~10000	-44.05	PASS
Band5	10MHz	QPSK	20450	1RB#0	0.009~0.15	-57.59	PASS
Band5	10MHz	QPSK	20450	1RB#0	0.15~30	-54.49	PASS
Band5	10MHz	QPSK	20450	1RB#0	30~1000	-61.86	PASS
Band5	10MHz	QPSK	20450	1RB#0	1000~3000	-41.39	PASS
Band5	10MHz	QPSK	20450	1RB#0	3000~10000	-43.92	PASS
Band5	10MHz	16QAM	20450	1RB#0	0.009~0.15	-57.64	PASS
Band5	10MHz	16QAM	20450	1RB#0	0.15~30	-54.03	PASS
Band5	10MHz	16QAM	20450	1RB#0	30~1000	-61.95	PASS
Band5	10MHz	16QAM	20450	1RB#0	1000~3000	-42.08	PASS
Band5	10MHz	16QAM	20450	1RB#0	3000~10000	-44.25	PASS
Band5	10MHz	QPSK	20525	1RB#0	0.009~0.15	-58.67	PASS
Band5	10MHz	QPSK	20525	1RB#0	0.15~30	-50.75	PASS
Band5	10MHz	QPSK	20525	1RB#0	30~1000	-62.19	PASS
Band5	10MHz	QPSK	20525	1RB#0	1000~3000	-41.59	PASS
Band5	10MHz	QPSK	20525	1RB#0	3000~10000	-44.48	PASS
Band5	10MHz	16QAM	20525	1RB#0	0.009~0.15	-58.66	PASS
Band5	10MHz	16QAM	20525	1RB#0	0.15~30	-52.84	PASS
Band5	10MHz	16QAM	20525	1RB#0	30~1000	-62.21	PASS
Band5	10MHz	16QAM	20525	1RB#0	1000~3000	-42.23	PASS
Band5	10MHz	16QAM	20525	1RB#0	3000~10000	-44.21	PASS
Band5	10MHz	QPSK	20600	1RB#0	0.009~0.15	-58.98	PASS
Band5	10MHz	QPSK	20600	1RB#0	0.15~30	-52.10	PASS
Band5	10MHz	QPSK	20600	1RB#0	30~1000	-62.16	PASS
Band5	10MHz	QPSK	20600	1RB#0	1000~3000	-41.98	PASS
Band5	10MHz	QPSK	20600	1RB#0	3000~10000	-44.17	PASS



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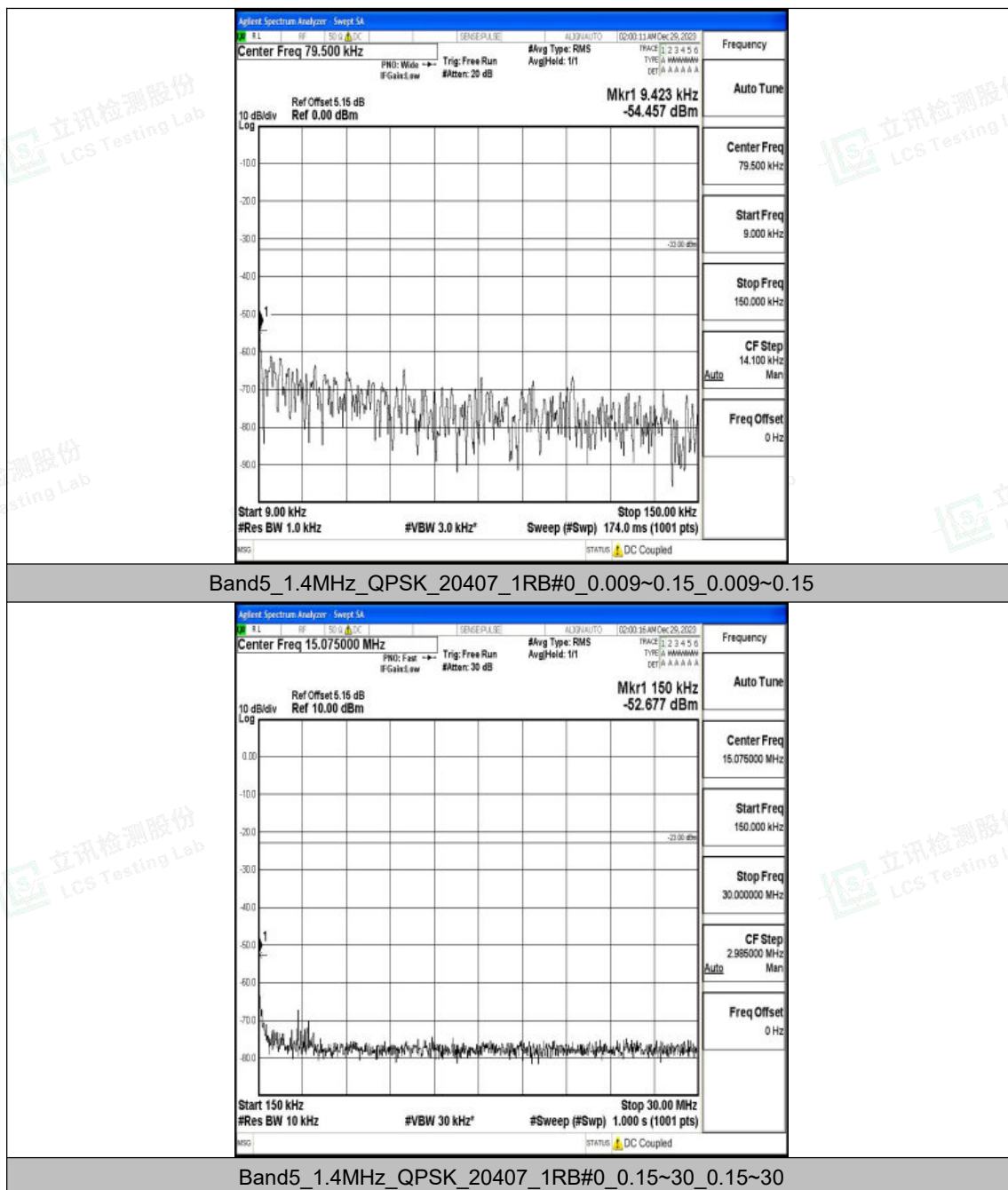
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Band5	10MHz	16QAM	20600	1RB#0	0.009~0.15	-56.34	PASS
Band5	10MHz	16QAM	20600	1RB#0	0.15~30	-52.05	PASS
Band5	10MHz	16QAM	20600	1RB#0	30~1000	-62.01	PASS
Band5	10MHz	16QAM	20600	1RB#0	1000~3000	-42.52	PASS
Band5	10MHz	16QAM	20600	1RB#0	3000~10000	-44.14	PASS

Test Graphs

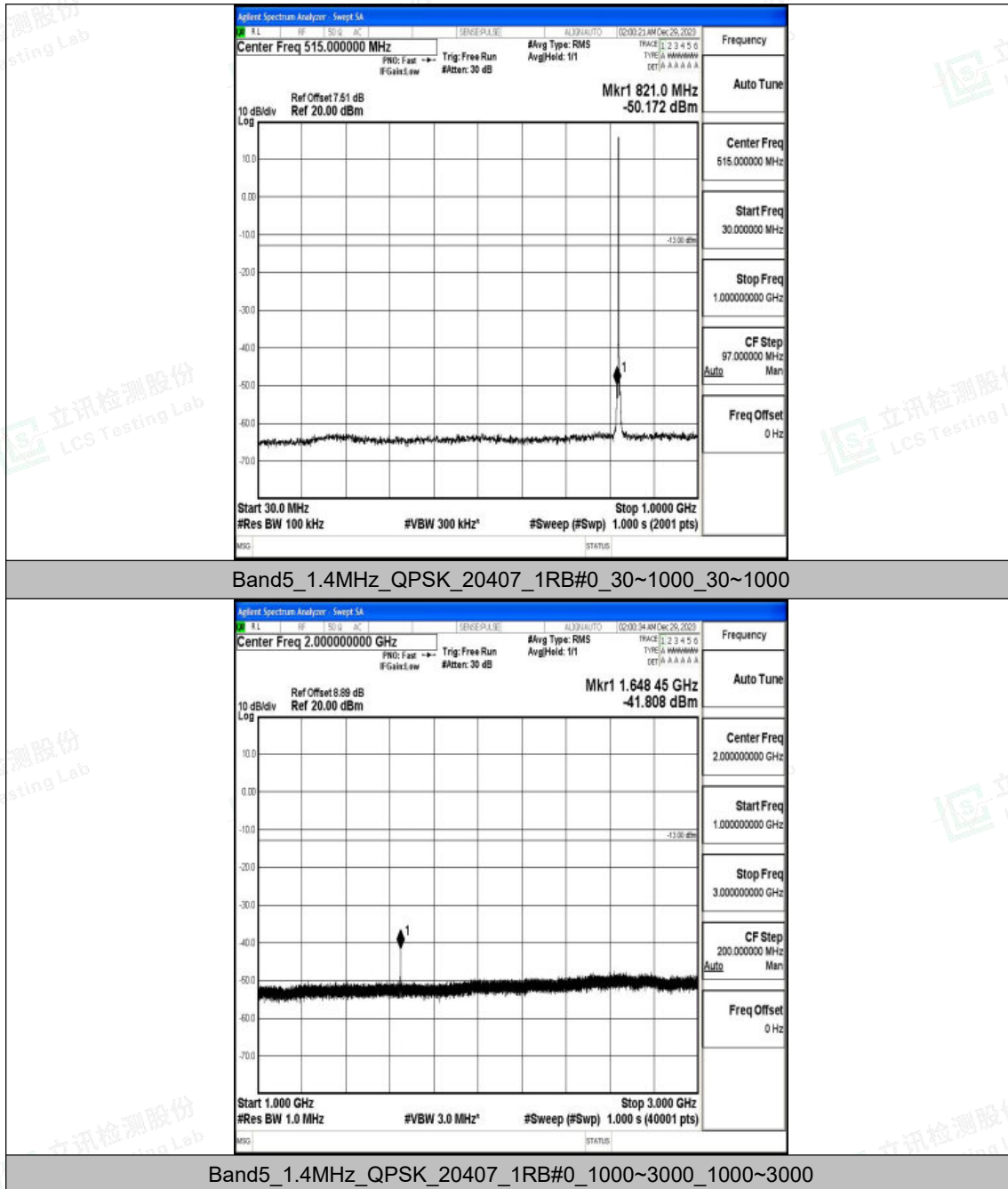


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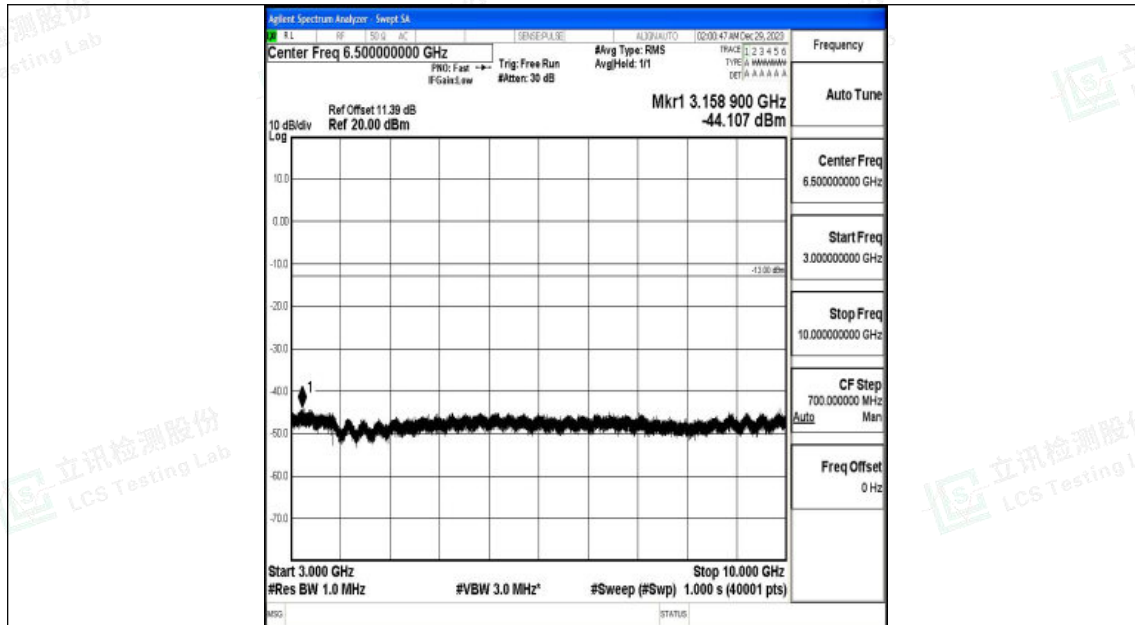


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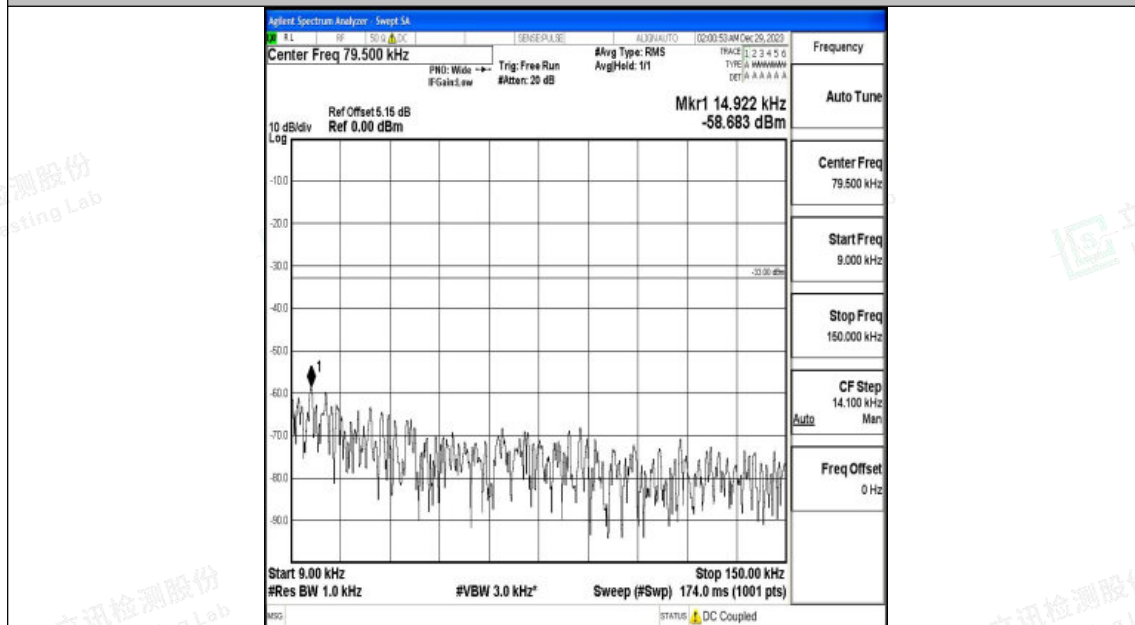
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Band5_1.4MHz_QPSK_20407_1RB#0_3000~10000_3000~10000



Band5_1.4MHz_16QAM_20407_1RB#0_0.009~0.15_0.009~0.15

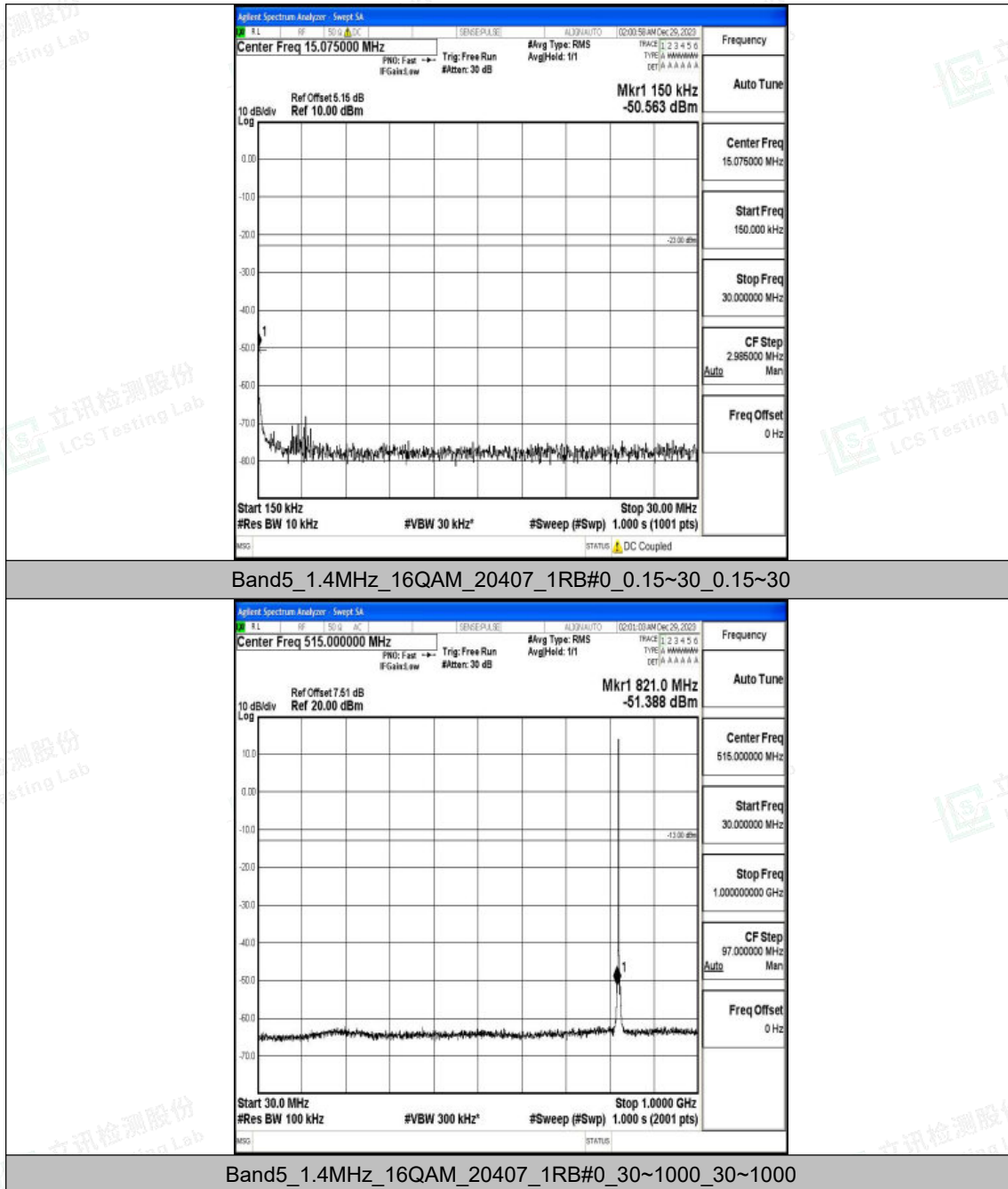


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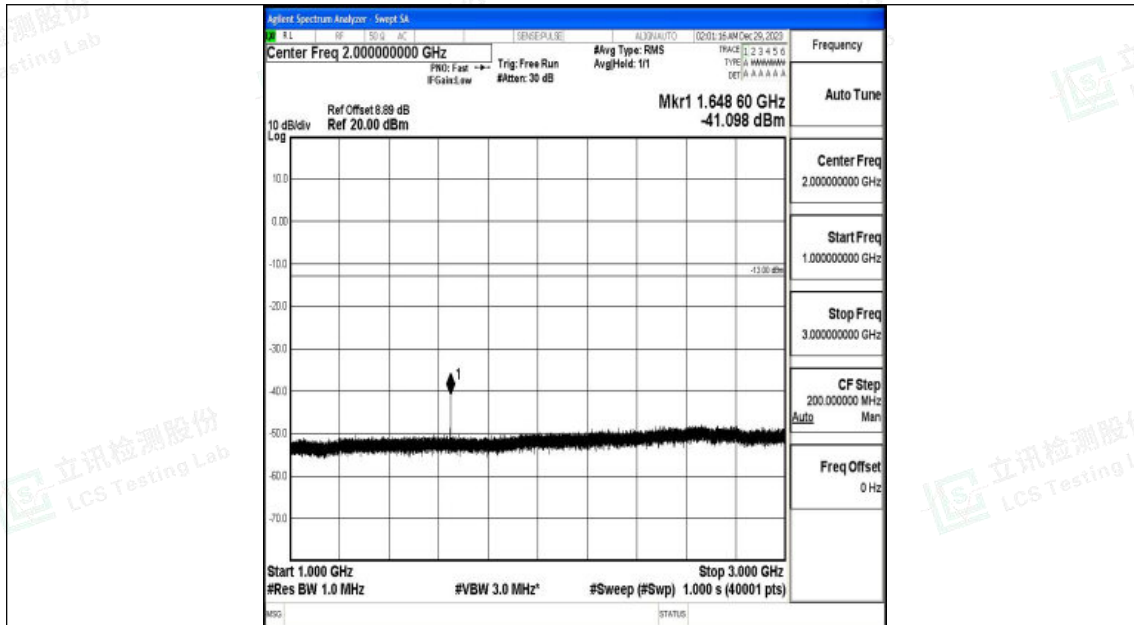


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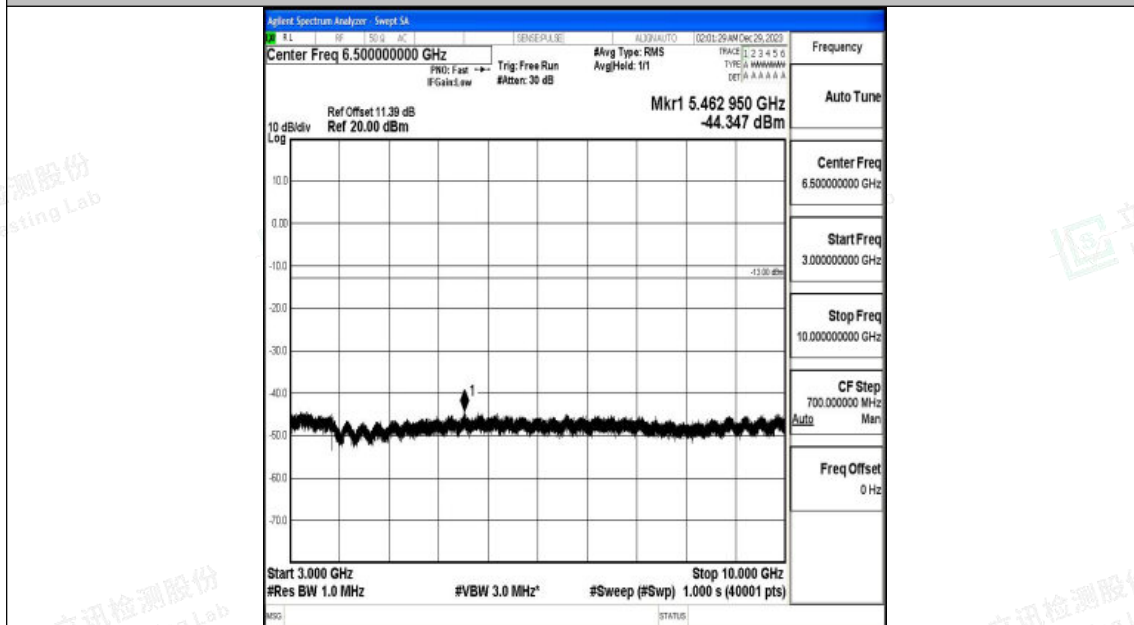
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Band5_1.4MHz_16QAM_20407_1RB#0_1000~3000_1000~3000



Band5_1.4MHz_16QAM_20407_1RB#0_3000~10000_3000~10000

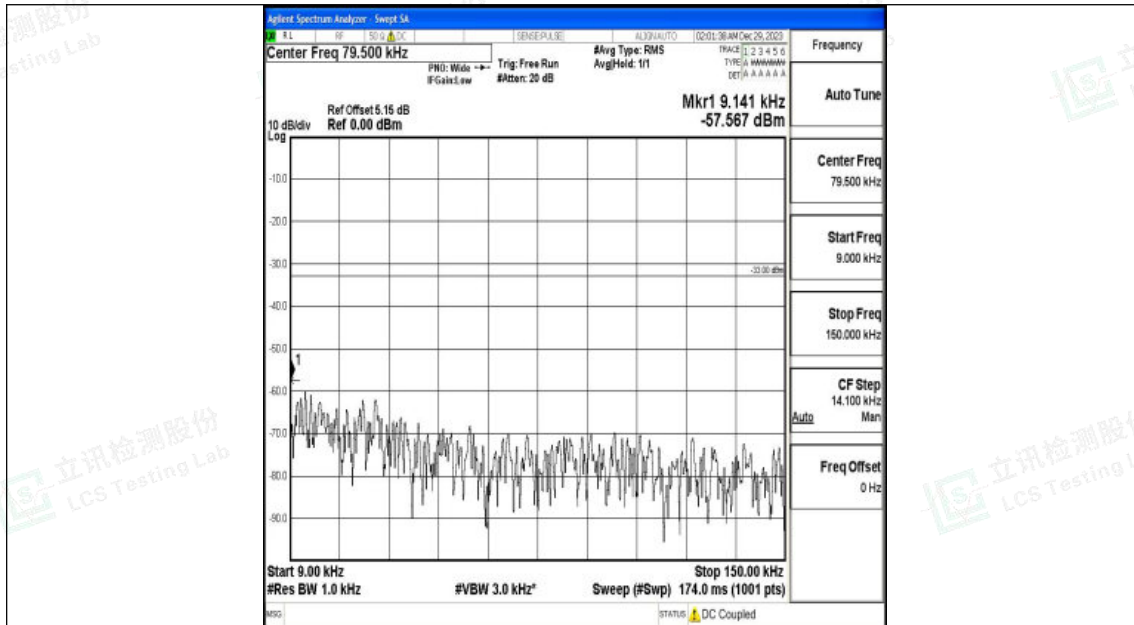


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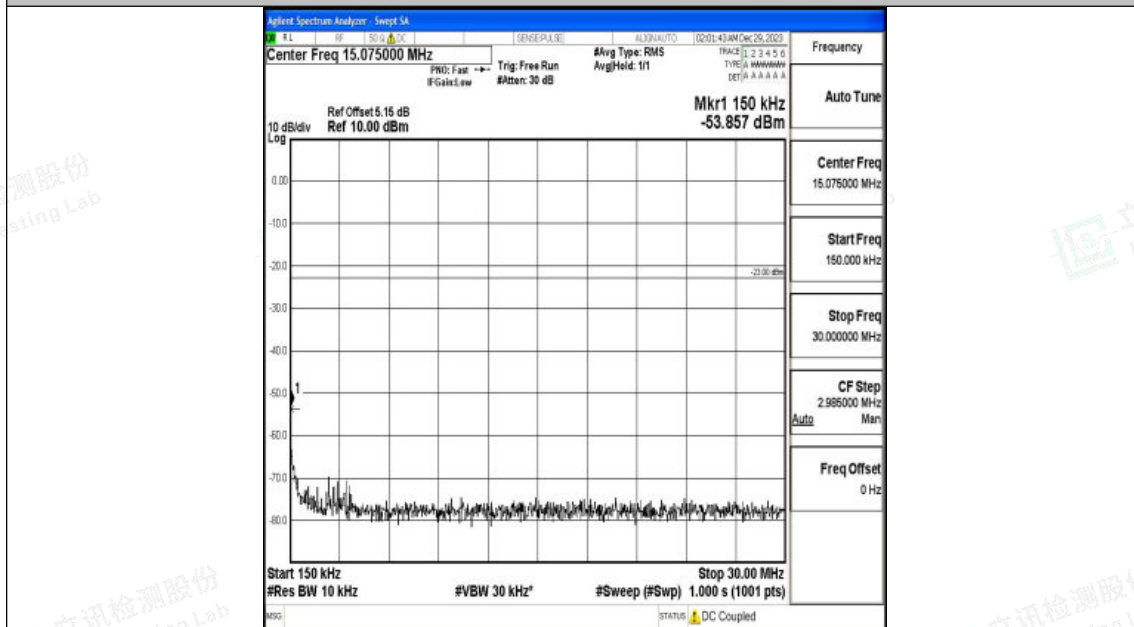
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Band5_1.4MHz_QPSK_20525_1RB#0_0.009~0.15_0.009~0.15



Band5_1.4MHz_QPSK_20525_1RB#0_0.15~30_0.15~30

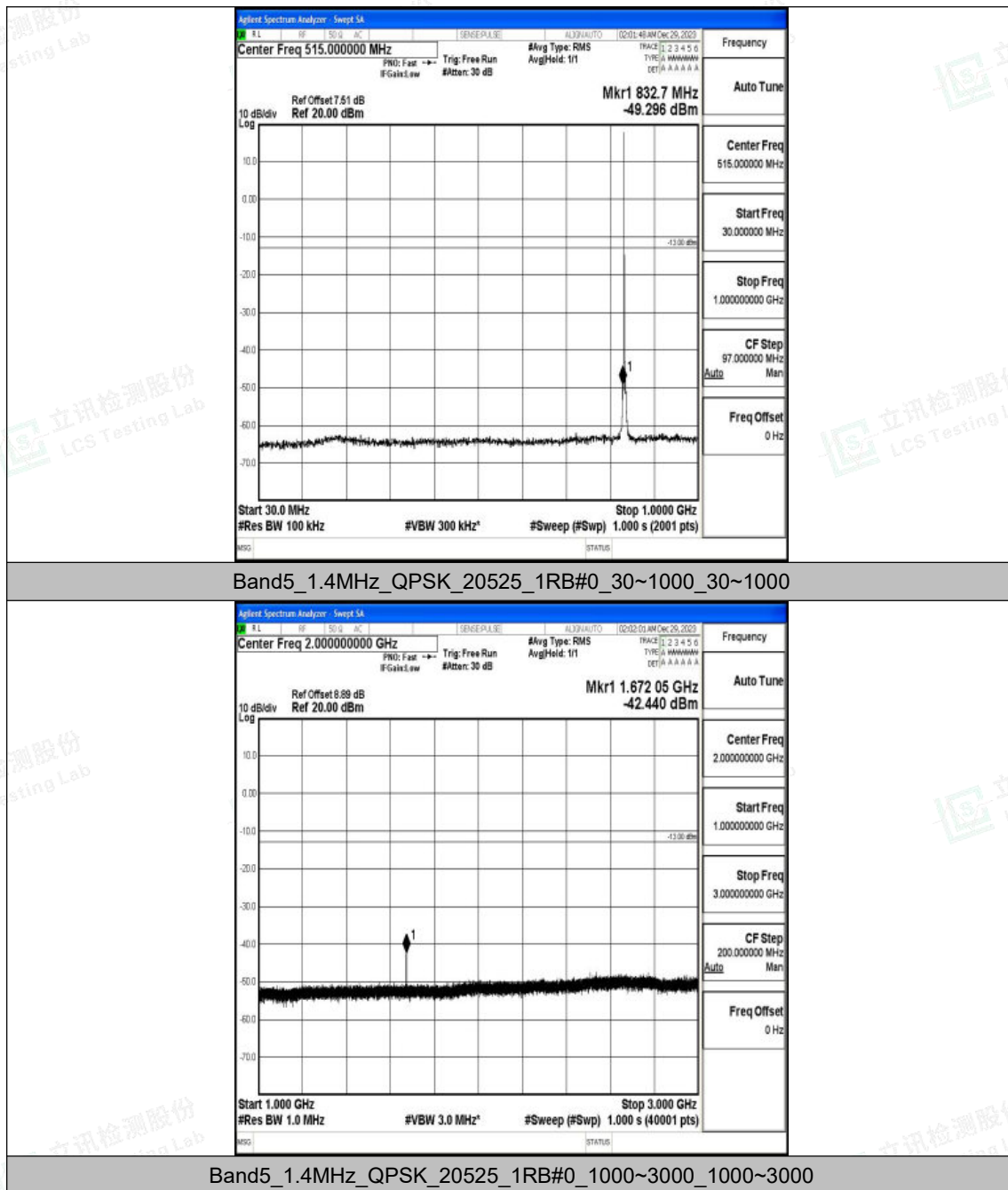


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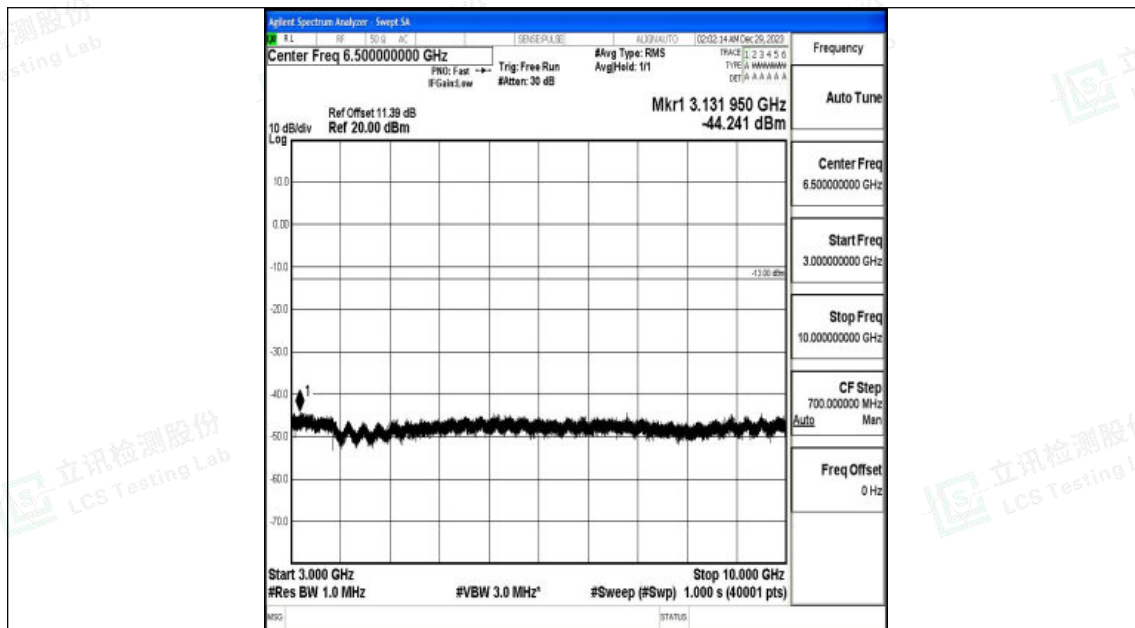


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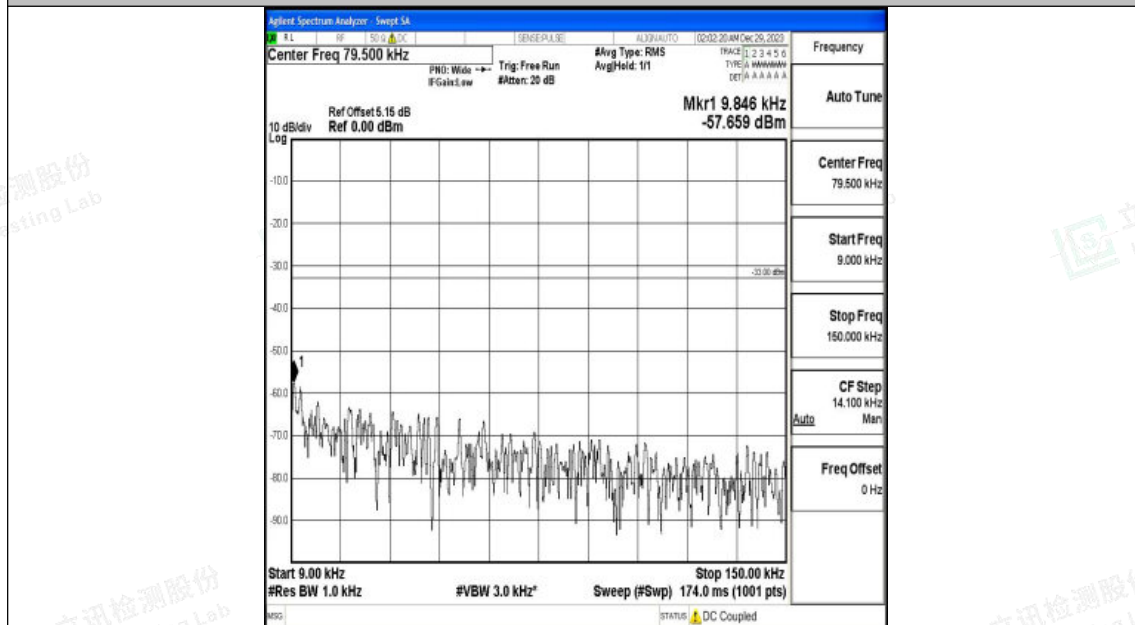
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Band5_1.4MHz_QPSK_20525_1RB#0_3000~10000_3000~10000



Band5_1.4MHz_16QAM_20525_1RB#0_0.009~0.15_0.009~0.15

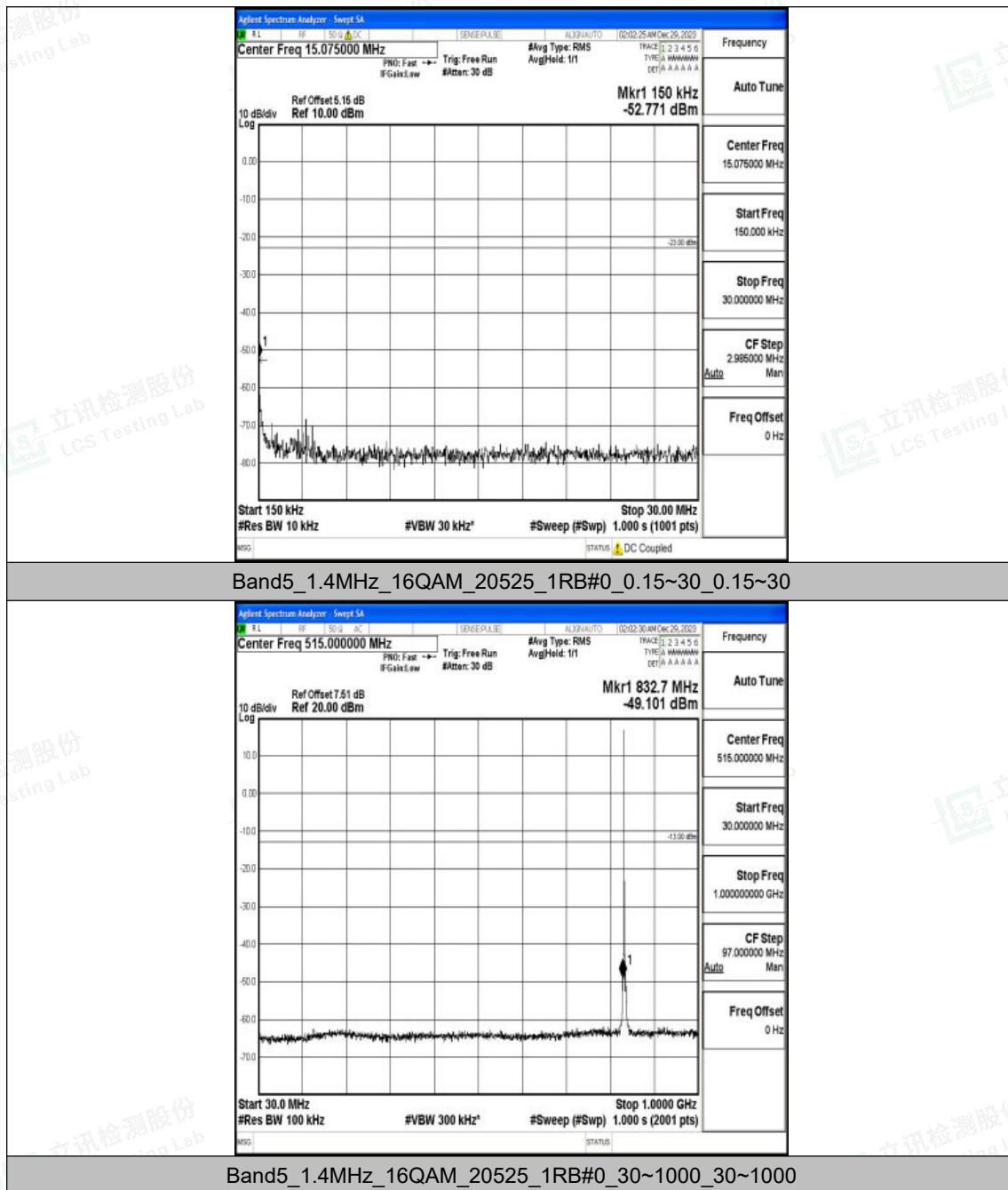


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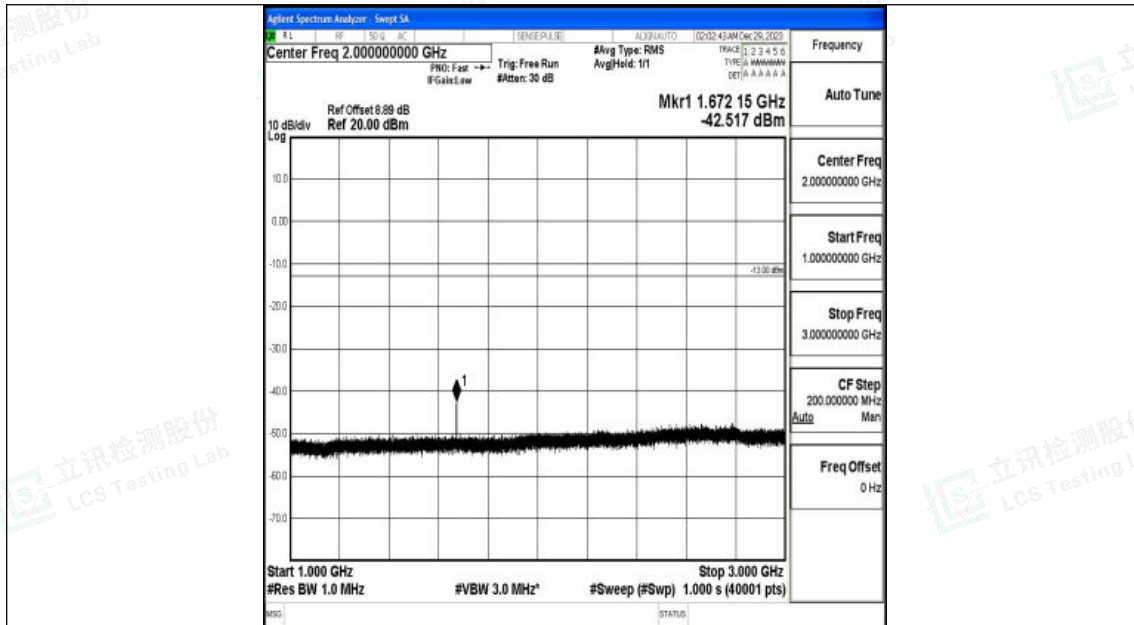


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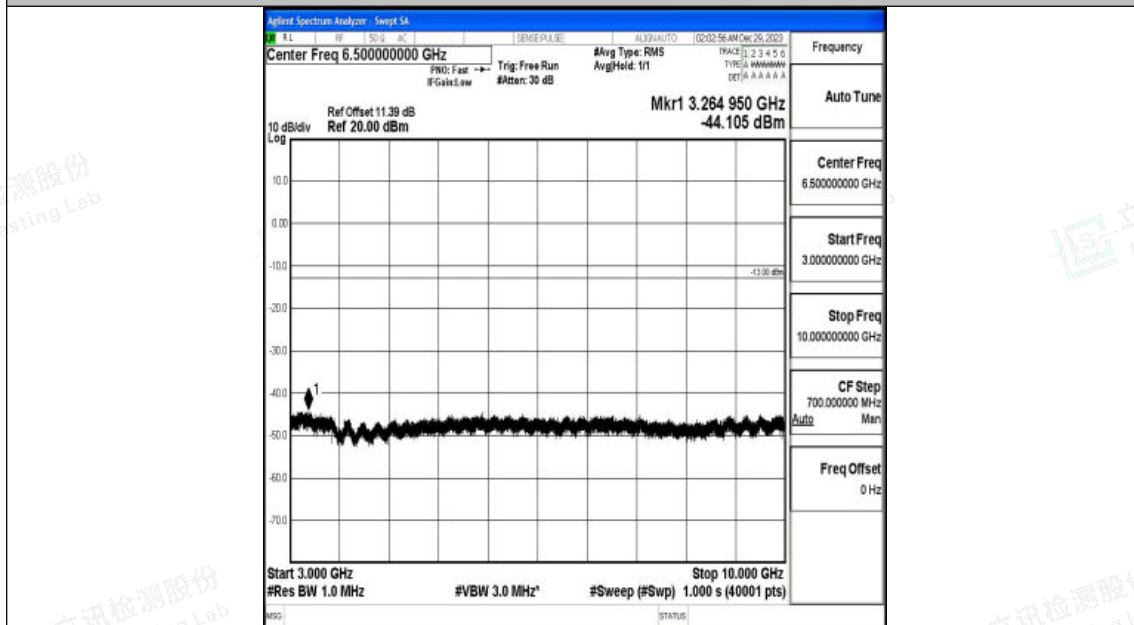
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Band5_1.4MHz_16QAM_20525_1RB#0_1000~3000_1000~3000



Band5_1.4MHz_16QAM_20525_1RB#0_3000~10000_3000~10000

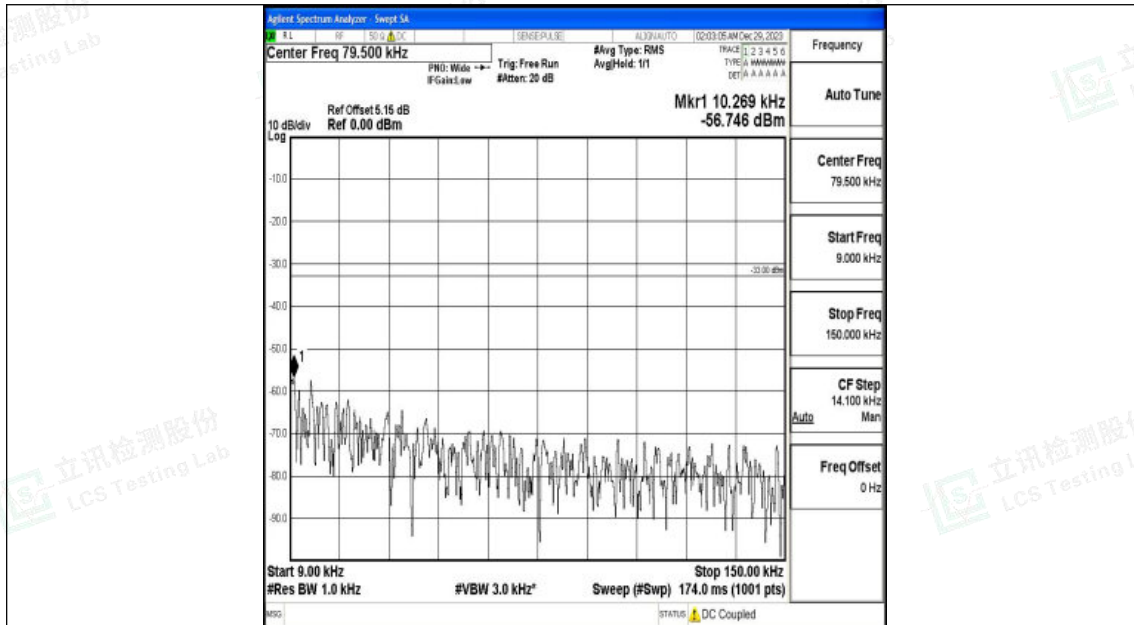


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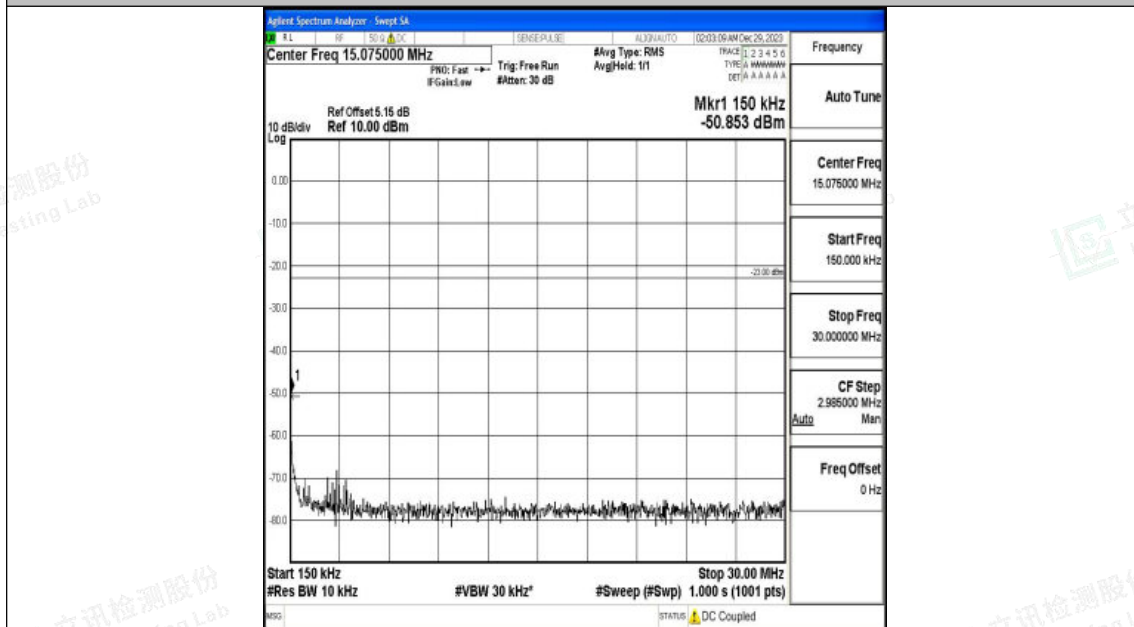
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Band5_1.4MHz_QPSK_20643_1RB#0_0.009~0.15_0.009~0.15



Band5_1.4MHz_QPSK_20643_1RB#0_0.15~30_0.15~30

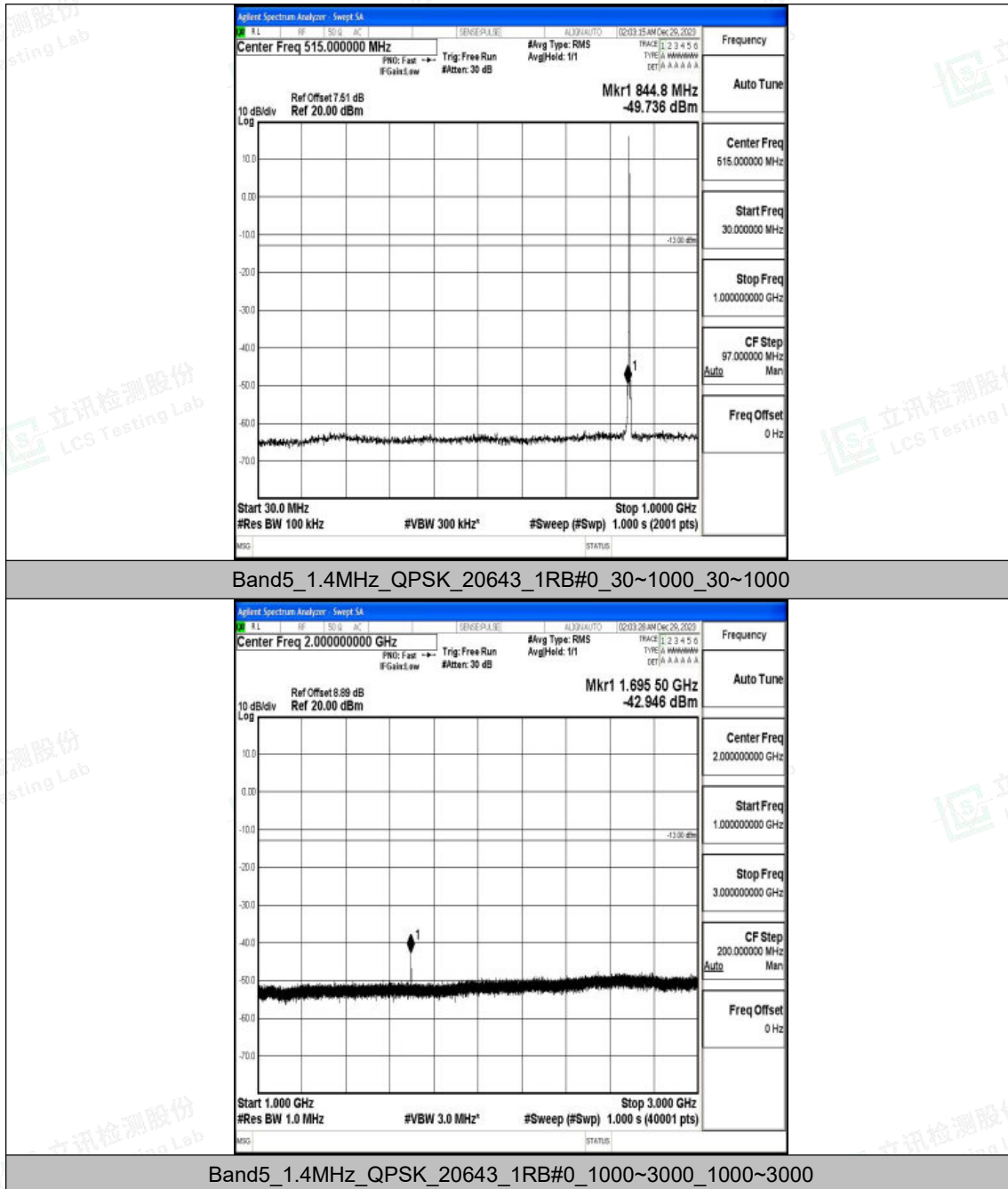


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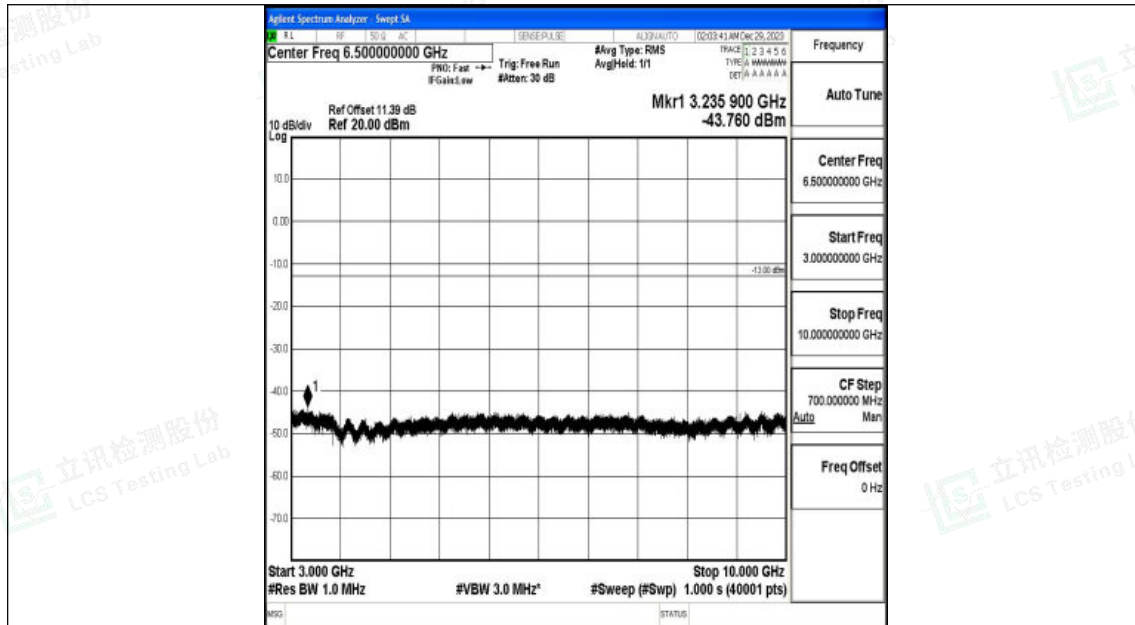


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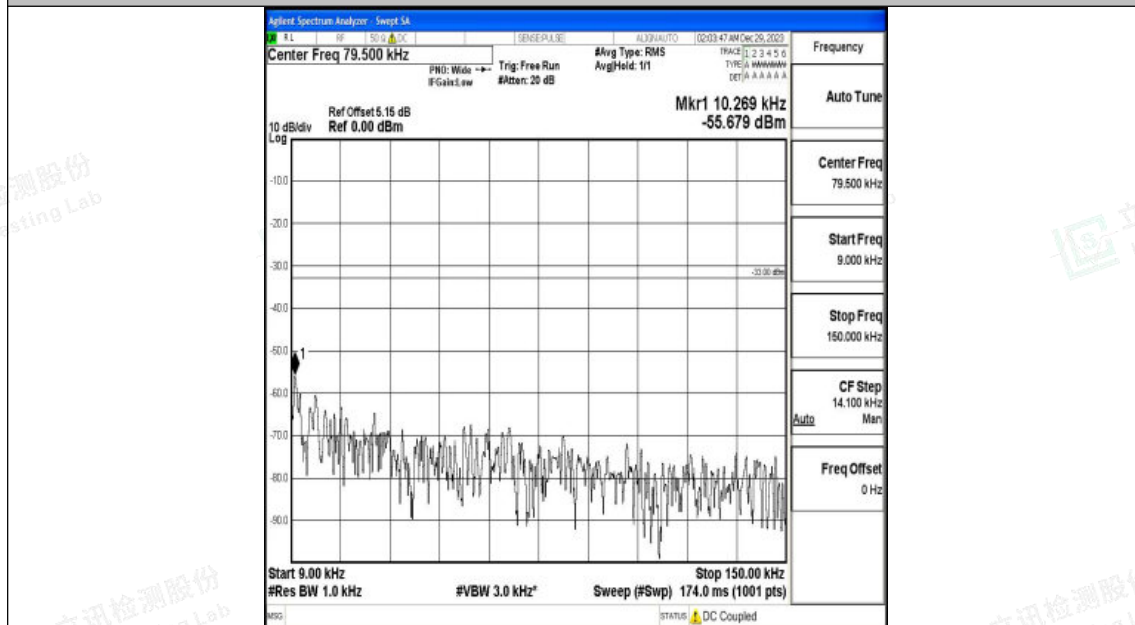
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Band5_1.4MHz_QPSK_20643_1RB#0_3000~10000_3000~10000



Band5_1.4MHz_16QAM_20643_1RB#0_0.009~0.15_0.009~0.15

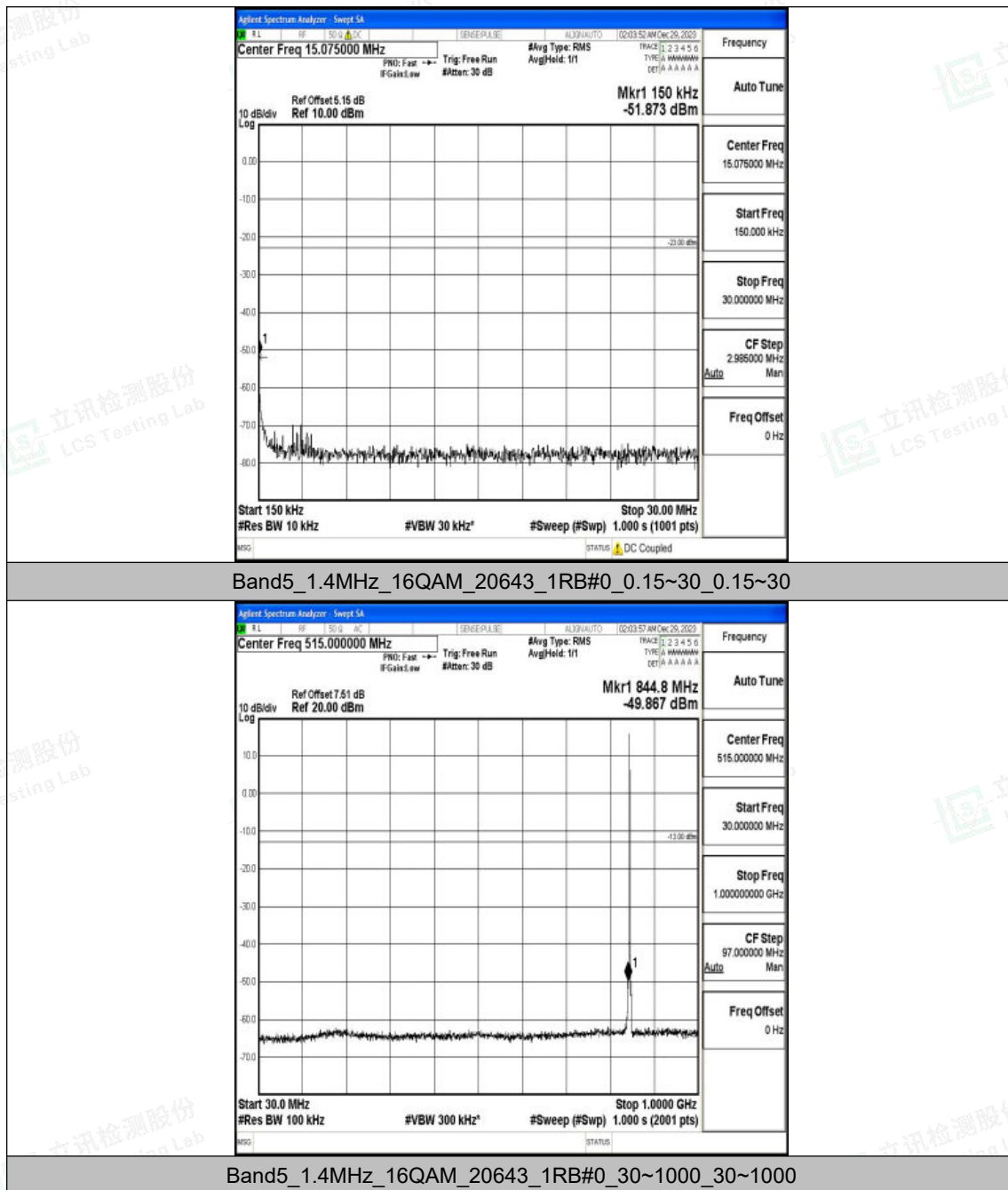


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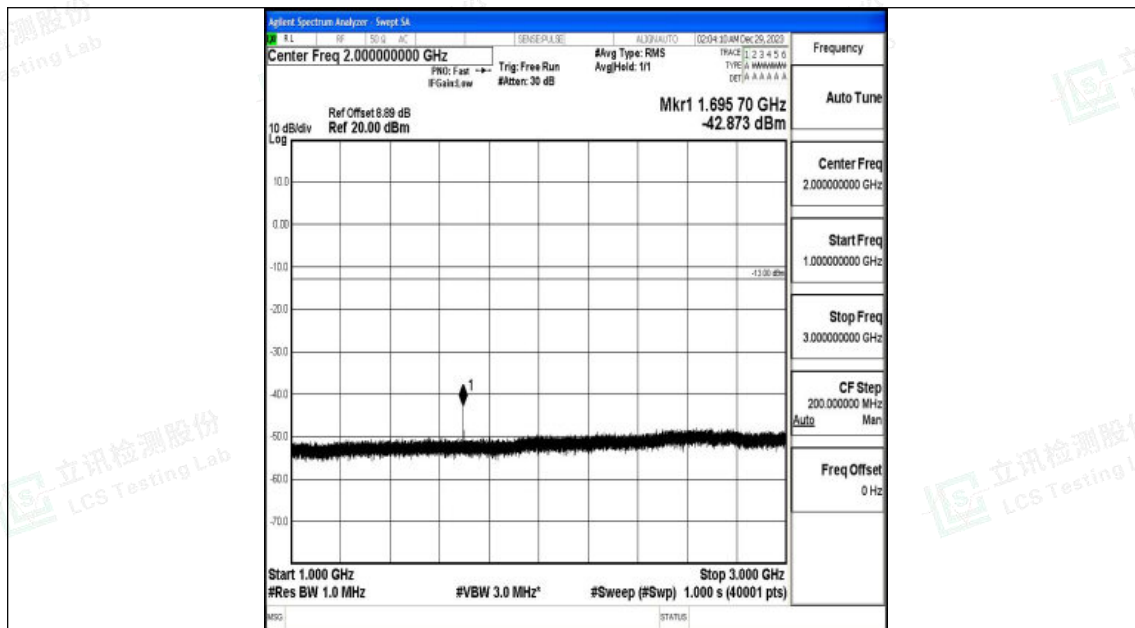


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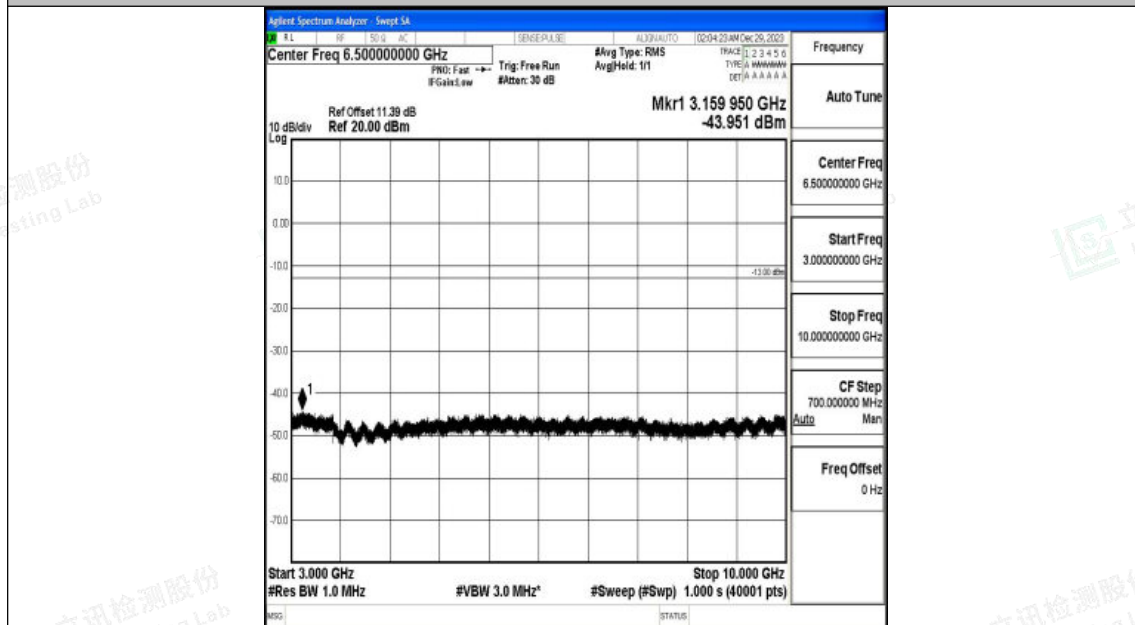
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Band5_1.4MHz_16QAM_20643_1RB#0_1000~3000_1000~3000



Band5_1.4MHz_16QAM_20643_1RB#0_3000~10000_3000~10000

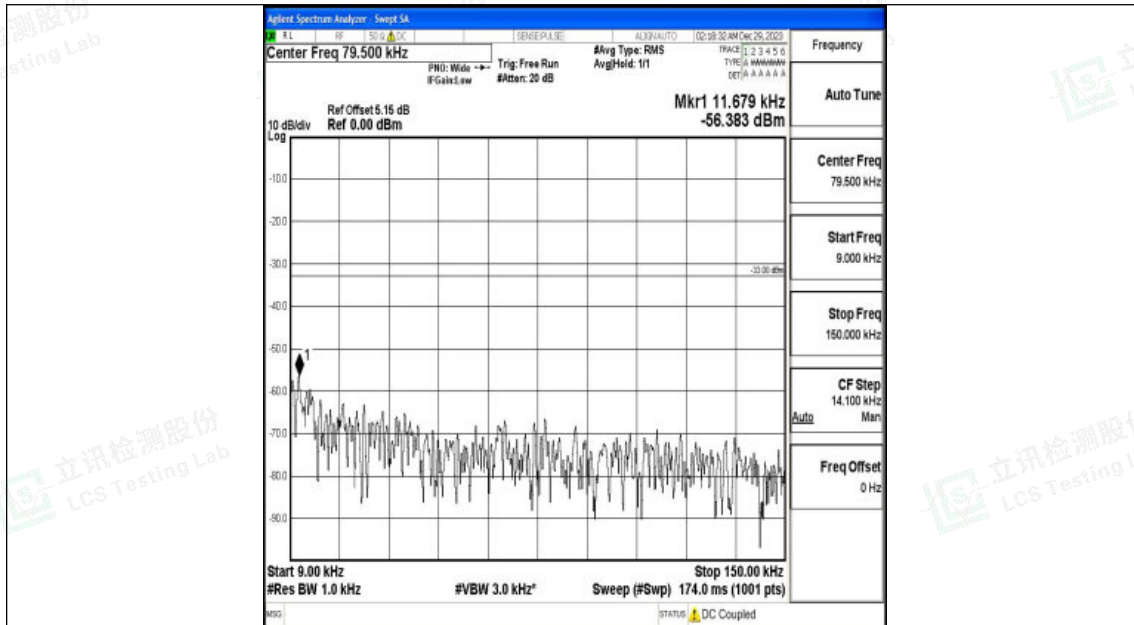


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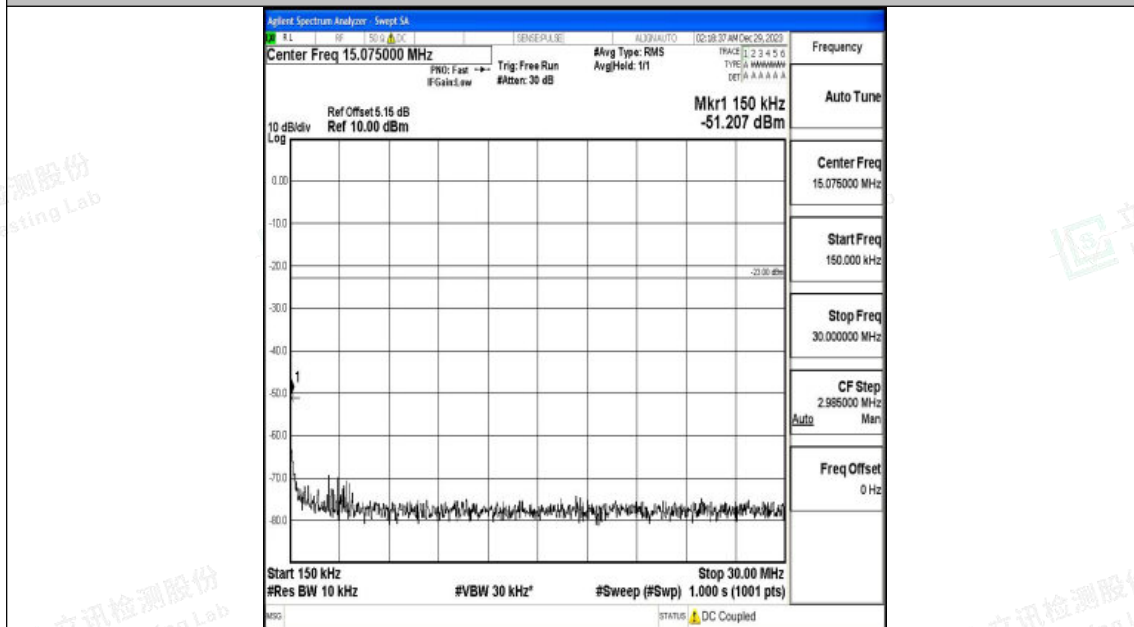
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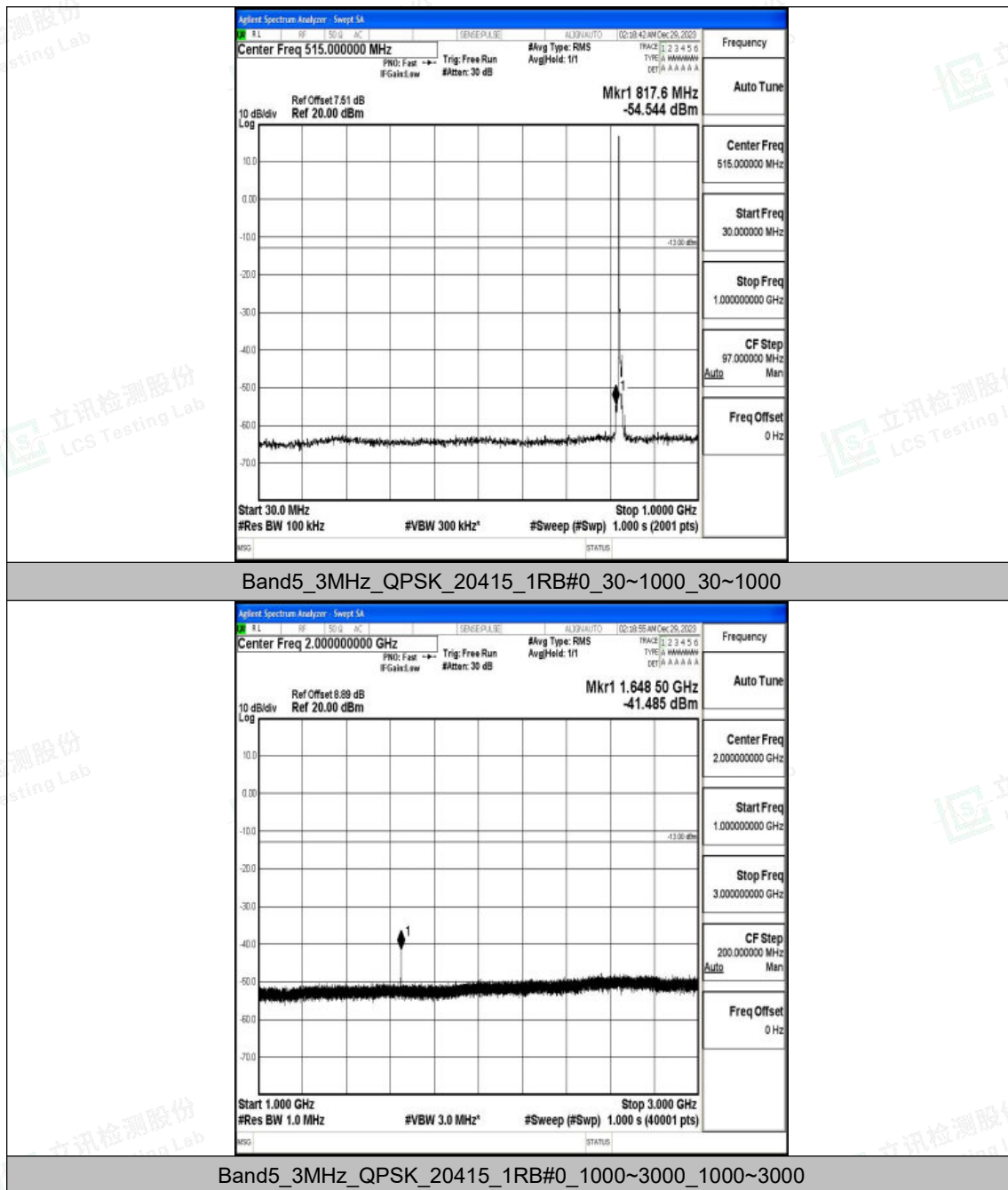


Band5_3MHz_QPSK_20415_1RB#0_0.009~0.15_0.009~0.15



Band5_3MHz_QPSK_20415_1RB#0_0.15~30_0.15~30



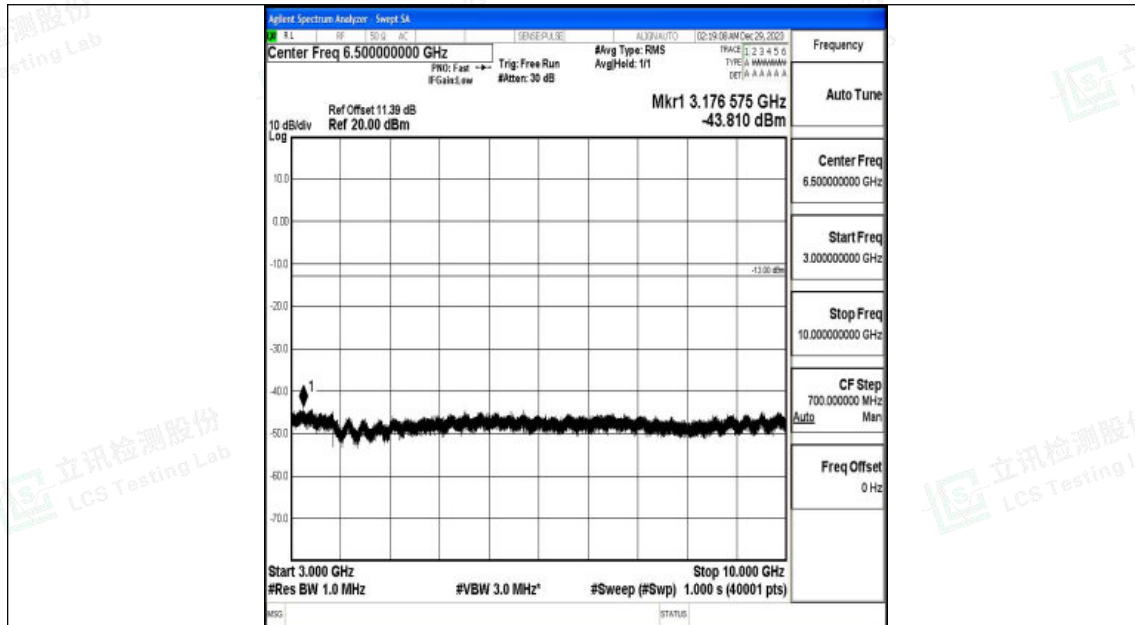


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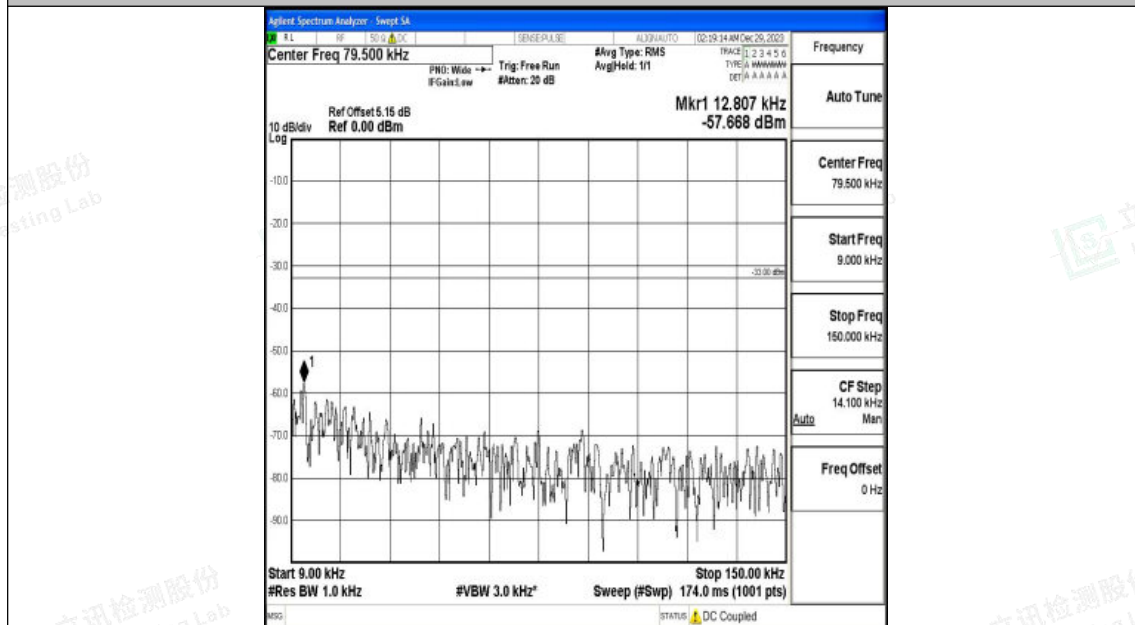
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Band5_3MHz_QPSK_20415_1RB#0_3000~10000_3000~10000



Band5_3MHz_16QAM_20415_1RB#0_0.009~0.15_0.009~0.15

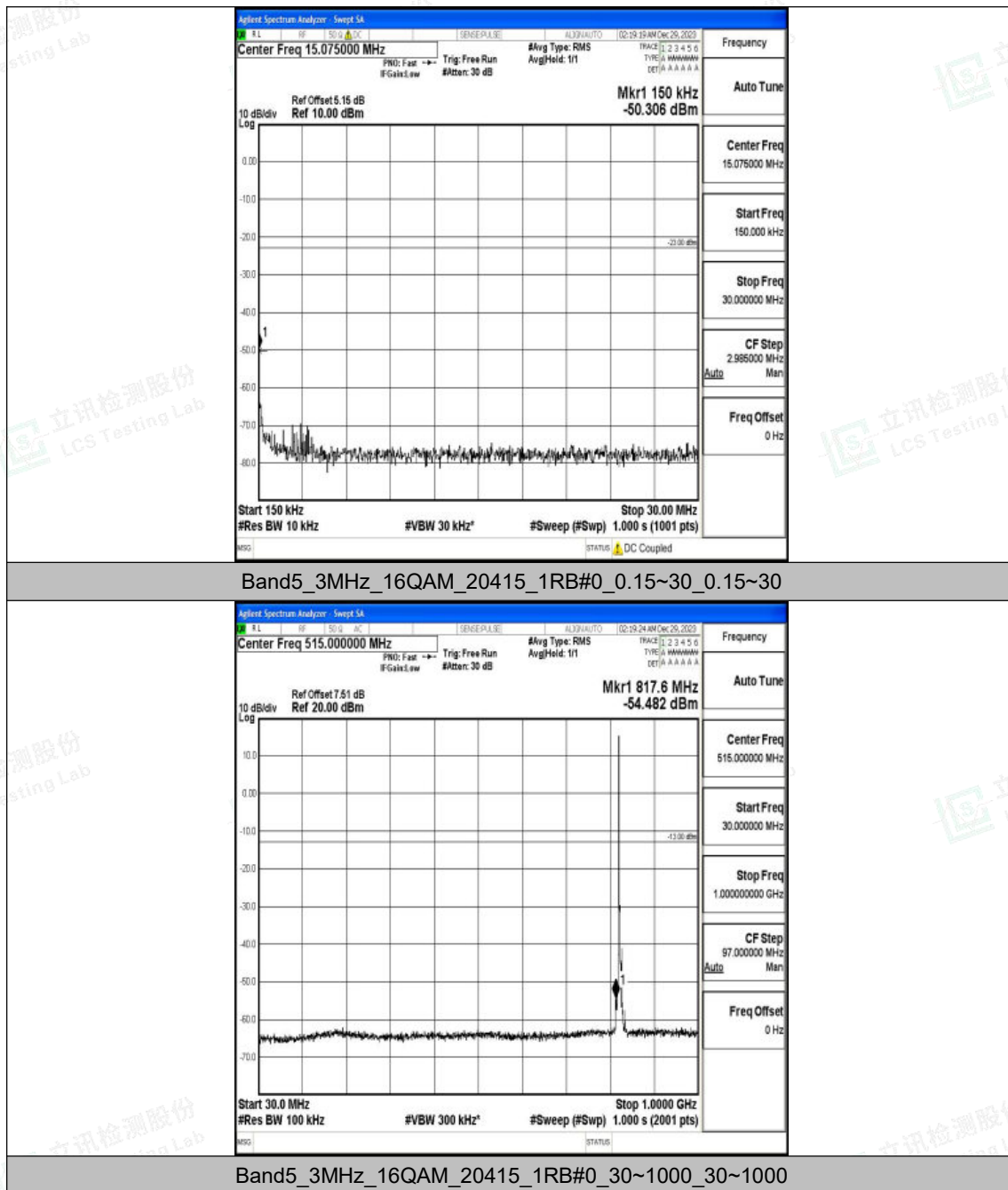


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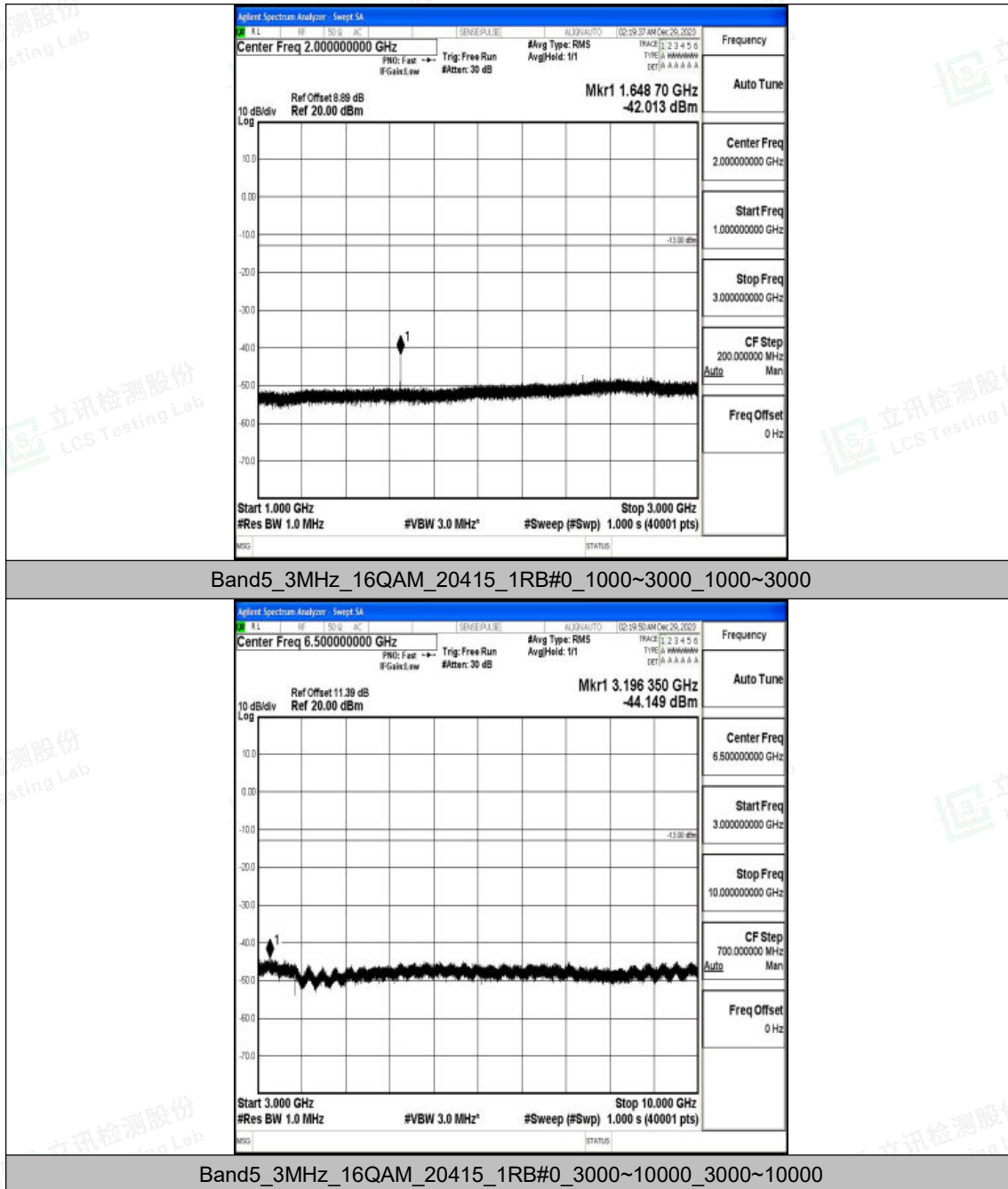


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