



Appendix M: Test Data for E-UTRA Band 17

Product Name: smart handheld terminal

Test Model: KP36

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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M.1 Conducted Output Power Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band17	5MHz	QPSK	23755	1RB#0	22.27	PASS
Band17	5MHz	16QAM	23755	1RB#0	22.47	PASS
Band17	5MHz	QPSK	23755	1RB#12	22.29	PASS
Band17	5MHz	16QAM	23755	1RB#12	21.27	PASS
Band17	5MHz	QPSK	23755	1RB#24	21.27	PASS
Band17	5MHz	16QAM	23755	1RB#24	21.34	PASS
Band17	5MHz	QPSK	23755	12RB#0	21.42	PASS
Band17	5MHz	16QAM	23755	12RB#0	22.28	PASS
Band17	5MHz	QPSK	23755	12RB#6	22.44	PASS
Band17	5MHz	16QAM	23755	12RB#6	22.27	PASS
Band17	5MHz	QPSK	23755	12RB#13	21.23	PASS
Band17	5MHz	16QAM	23755	12RB#13	21.19	PASS
Band17	5MHz	QPSK	23755	25RB#0	21.31	PASS
Band17	5MHz	16QAM	23755	25RB#0	21.34	PASS
Band17	5MHz	QPSK	23790	1RB#0	22.27	PASS
Band17	5MHz	16QAM	23790	1RB#0	22.31	PASS
Band17	5MHz	QPSK	23790	1RB#12	22.00	PASS
Band17	5MHz	16QAM	23790	1RB#12	21.25	PASS
Band17	5MHz	QPSK	23790	1RB#24	21.26	PASS
Band17	5MHz	16QAM	23790	1RB#24	21.18	PASS
Band17	5MHz	QPSK	23790	12RB#0	21.17	PASS
Band17	5MHz	16QAM	23790	12RB#0	21.15	PASS
Band17	5MHz	QPSK	23790	12RB#6	21.39	PASS
Band17	5MHz	16QAM	23790	12RB#6	21.24	PASS
Band17	5MHz	QPSK	23790	12RB#13	20.45	PASS
Band17	5MHz	16QAM	23790	12RB#13	20.37	PASS
Band17	5MHz	QPSK	23790	25RB#0	20.30	PASS
Band17	5MHz	16QAM	23790	25RB#0	20.36	PASS
Band17	5MHz	QPSK	23825	1RB#0	21.19	PASS
Band17	5MHz	16QAM	23825	1RB#0	21.34	PASS
Band17	5MHz	QPSK	23825	1RB#12	21.06	PASS
Band17	5MHz	16QAM	23825	1RB#12	20.25	PASS
Band17	5MHz	QPSK	23825	1RB#24	20.32	PASS
Band17	5MHz	16QAM	23825	1RB#24	20.28	PASS
Band17	5MHz	QPSK	23825	12RB#0	20.31	PASS



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Band17	5MHz	16QAM	23825	12RB#0	21.23	PASS
Band17	5MHz	QPSK	23825	12RB#6	21.40	PASS
Band17	5MHz	16QAM	23825	12RB#6	21.10	PASS
Band17	5MHz	QPSK	23825	12RB#13	20.25	PASS
Band17	5MHz	16QAM	23825	12RB#13	20.24	PASS
Band17	5MHz	QPSK	23825	25RB#0	20.13	PASS
Band17	5MHz	16QAM	23825	25RB#0	20.17	PASS
Band17	10MHz	QPSK	23780	1RB#0	22.24	PASS
Band17	10MHz	16QAM	23780	1RB#0	22.29	PASS
Band17	10MHz	QPSK	23780	1RB#24	22.14	PASS
Band17	10MHz	16QAM	23780	1RB#24	21.33	PASS
Band17	10MHz	QPSK	23780	1RB#49	21.29	PASS
Band17	10MHz	16QAM	23780	1RB#49	21.40	PASS
Band17	10MHz	QPSK	23780	25RB#0	21.35	PASS
Band17	10MHz	16QAM	23780	25RB#0	22.30	PASS
Band17	10MHz	QPSK	23780	25RB#12	22.33	PASS
Band17	10MHz	16QAM	23780	25RB#12	22.20	PASS
Band17	10MHz	QPSK	23780	25RB#25	21.33	PASS
Band17	10MHz	16QAM	23780	25RB#25	21.31	PASS
Band17	10MHz	QPSK	23780	50RB#0	21.37	PASS
Band17	10MHz	16QAM	23780	50RB#0	21.28	PASS
Band17	10MHz	QPSK	23790	1RB#0	22.28	PASS
Band17	10MHz	16QAM	23790	1RB#0	22.30	PASS
Band17	10MHz	QPSK	23790	1RB#24	22.22	PASS
Band17	10MHz	16QAM	23790	1RB#24	21.27	PASS
Band17	10MHz	QPSK	23790	1RB#49	21.22	PASS
Band17	10MHz	16QAM	23790	1RB#49	21.21	PASS
Band17	10MHz	QPSK	23790	25RB#0	21.24	PASS
Band17	10MHz	16QAM	23790	25RB#0	21.20	PASS
Band17	10MHz	QPSK	23790	25RB#12	21.29	PASS
Band17	10MHz	16QAM	23790	25RB#12	21.04	PASS
Band17	10MHz	QPSK	23790	25RB#25	20.25	PASS
Band17	10MHz	16QAM	23790	25RB#25	20.32	PASS
Band17	10MHz	QPSK	23790	50RB#0	20.39	PASS
Band17	10MHz	16QAM	23790	50RB#0	20.39	PASS
Band17	10MHz	QPSK	23800	1RB#0	21.25	PASS
Band17	10MHz	16QAM	23800	1RB#0	21.28	PASS
Band17	10MHz	QPSK	23800	1RB#24	21.01	PASS
Band17	10MHz	16QAM	23800	1RB#24	20.28	PASS
Band17	10MHz	QPSK	23800	1RB#49	20.27	PASS



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Band17	10MHz	16QAM	23800	1RB#49	20.29	PASS
Band17	10MHz	QPSK	23800	25RB#0	20.42	PASS
Band17	10MHz	16QAM	23800	25RB#0	21.03	PASS
Band17	10MHz	QPSK	23800	25RB#12	21.23	PASS
Band17	10MHz	16QAM	23800	25RB#12	20.91	PASS
Band17	10MHz	QPSK	23800	25RB#25	20.27	PASS
Band17	10MHz	16QAM	23800	25RB#25	20.30	PASS
Band17	10MHz	QPSK	23800	50RB#0	20.25	PASS
Band17	10MHz	16QAM	23800	50RB#0	20.17	PASS



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

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band17	5MHz	QPSK	23755	1RB#0	4.88	13	PASS
Band17	5MHz	16QAM	23755	1RB#0	5.61	13	PASS
Band17	5MHz	QPSK	23755	25RB#0	5.50	13	PASS
Band17	5MHz	16QAM	23755	25RB#0	6.14	13	PASS
Band17	5MHz	QPSK	23790	1RB#0	4.85	13	PASS
Band17	5MHz	16QAM	23790	1RB#0	5.62	13	PASS
Band17	5MHz	QPSK	23790	25RB#0	5.48	13	PASS
Band17	5MHz	16QAM	23790	25RB#0	6.13	13	PASS
Band17	5MHz	QPSK	23825	1RB#0	4.78	13	PASS
Band17	5MHz	16QAM	23825	1RB#0	5.46	13	PASS
Band17	5MHz	QPSK	23825	25RB#0	5.29	13	PASS
Band17	5MHz	16QAM	23825	25RB#0	5.94	13	PASS
Band17	10MHz	QPSK	23780	1RB#0	4.81	13	PASS
Band17	10MHz	16QAM	23780	1RB#0	5.68	13	PASS
Band17	10MHz	QPSK	23780	50RB#0	5.50	13	PASS
Band17	10MHz	16QAM	23780	50RB#0	6.18	13	PASS
Band17	10MHz	QPSK	23790	1RB#0	4.58	13	PASS
Band17	10MHz	16QAM	23790	1RB#0	5.35	13	PASS
Band17	10MHz	QPSK	23790	50RB#0	5.45	13	PASS
Band17	10MHz	16QAM	23790	50RB#0	6.16	13	PASS
Band17	10MHz	QPSK	23800	1RB#0	4.74	13	PASS
Band17	10MHz	16QAM	23800	1RB#0	5.10	13	PASS
Band17	10MHz	QPSK	23800	50RB#0	5.37	13	PASS
Band17	10MHz	16QAM	23800	50RB#0	6.11	13	PASS



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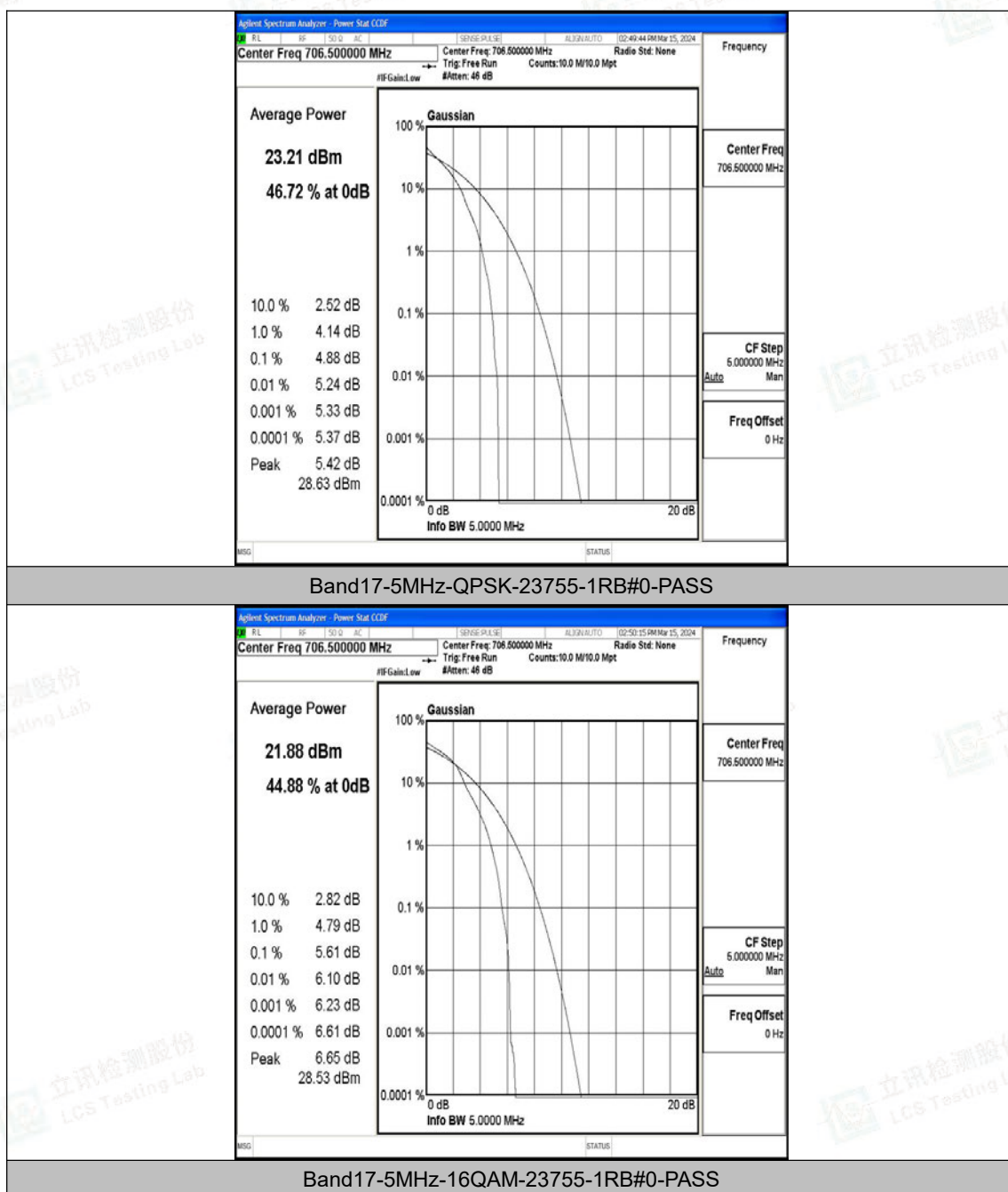
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Test Graphs

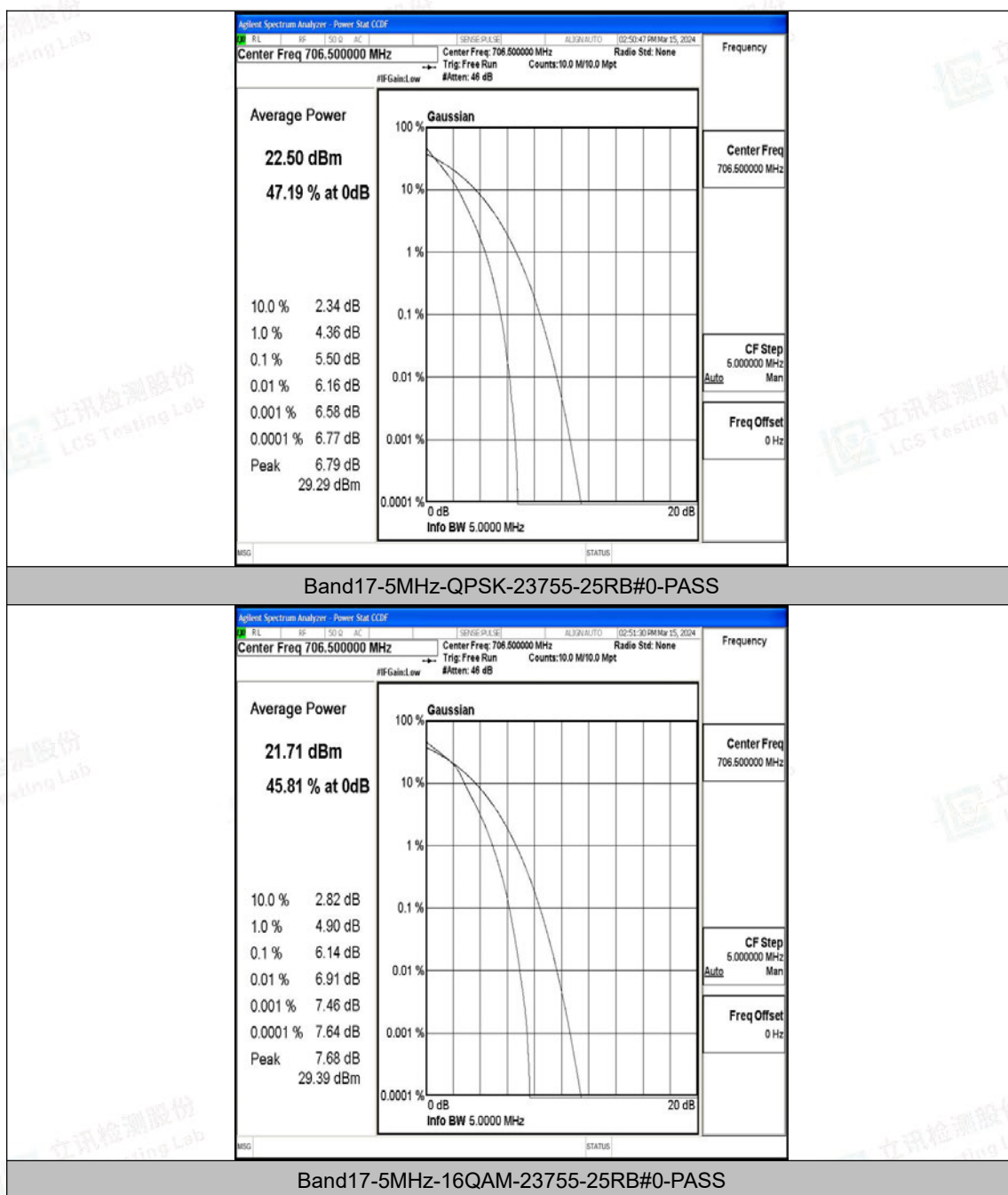


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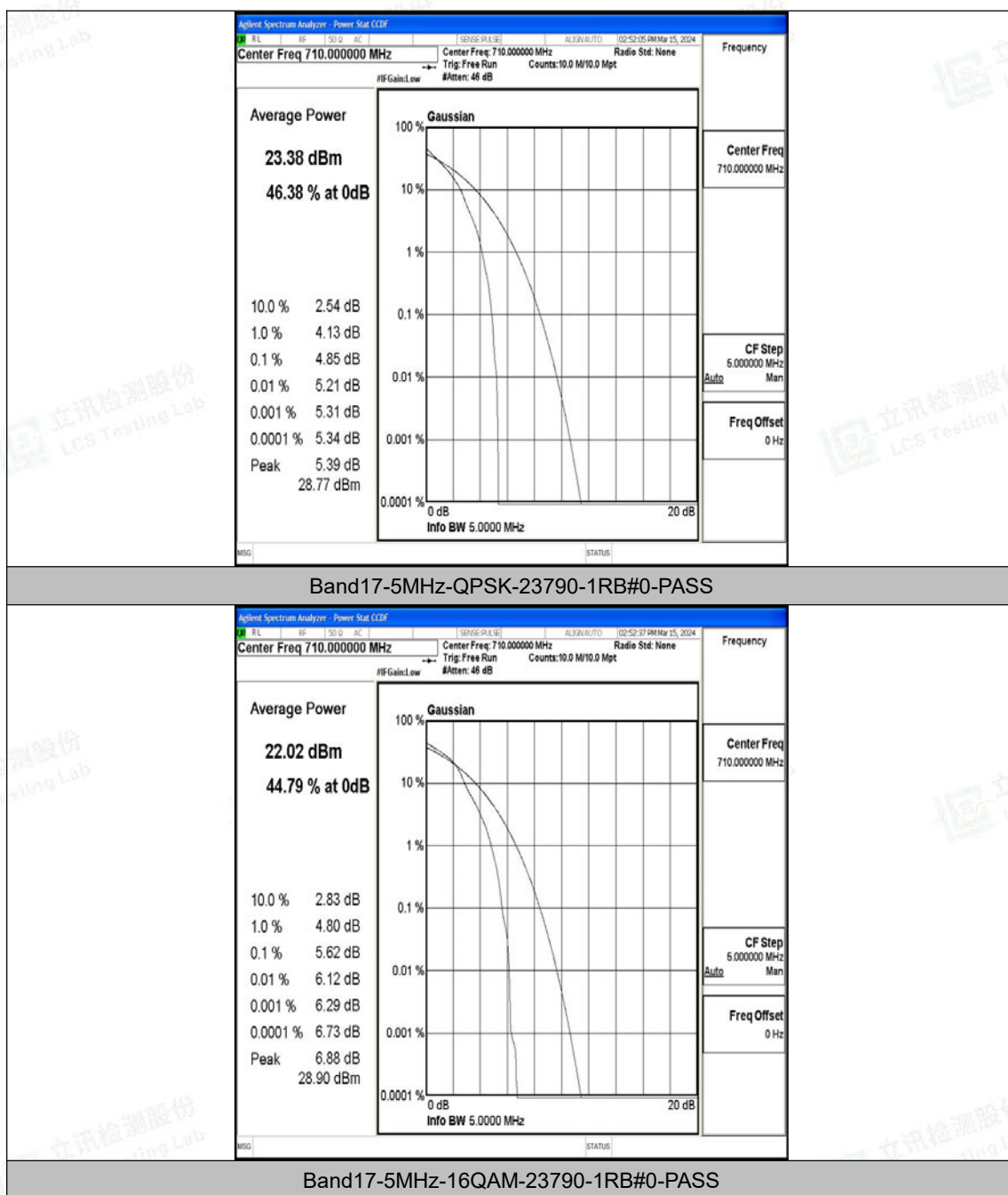


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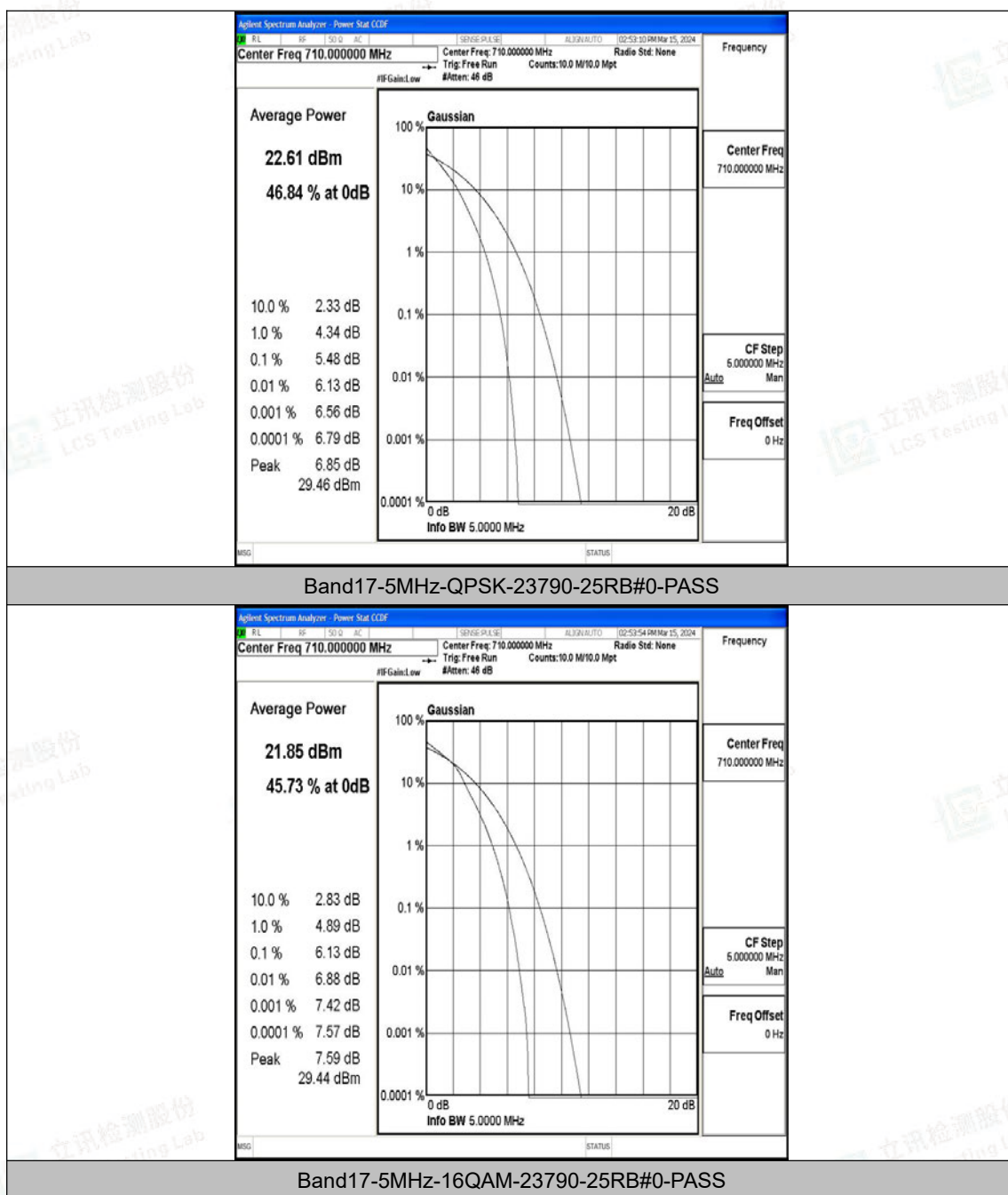


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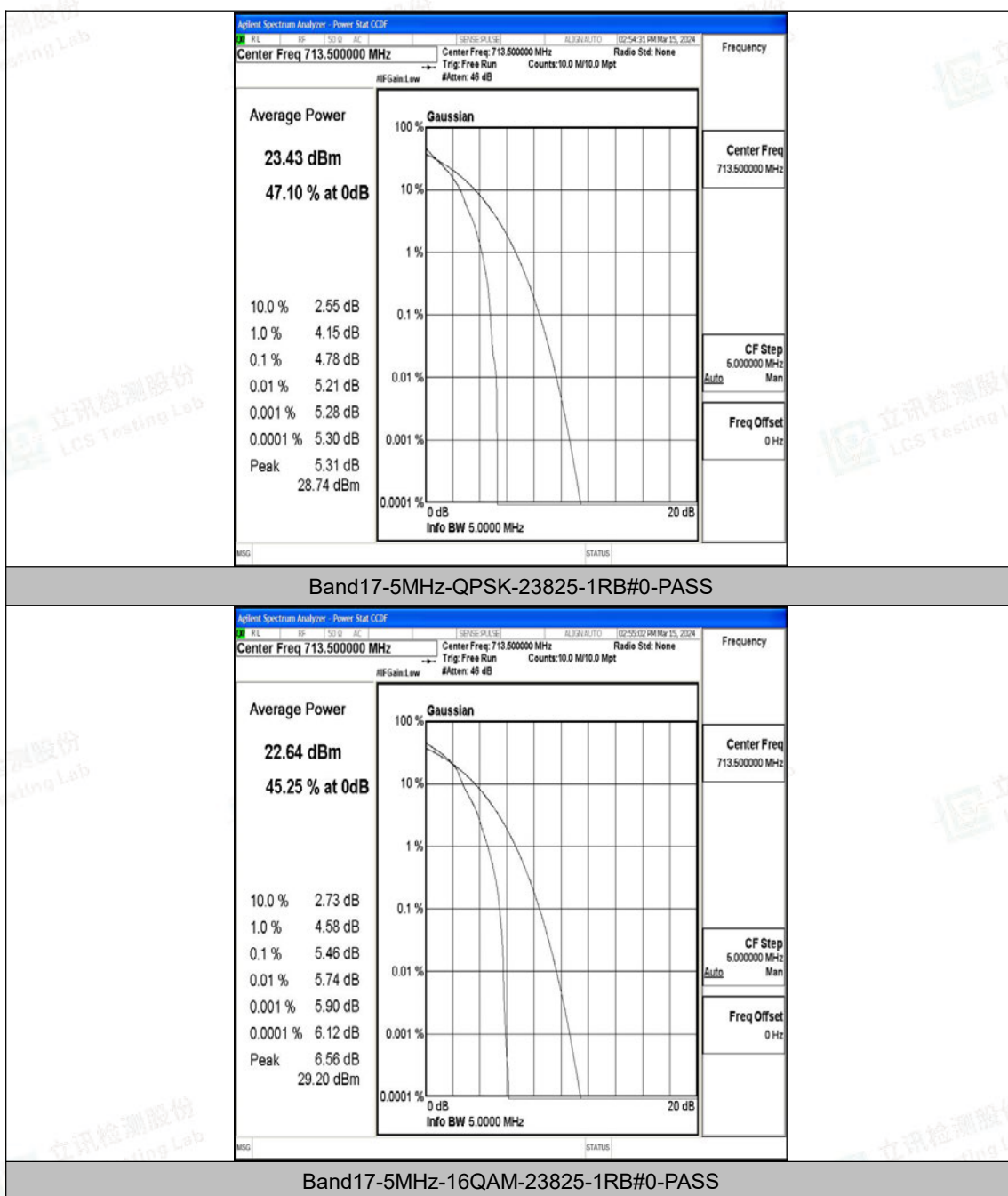


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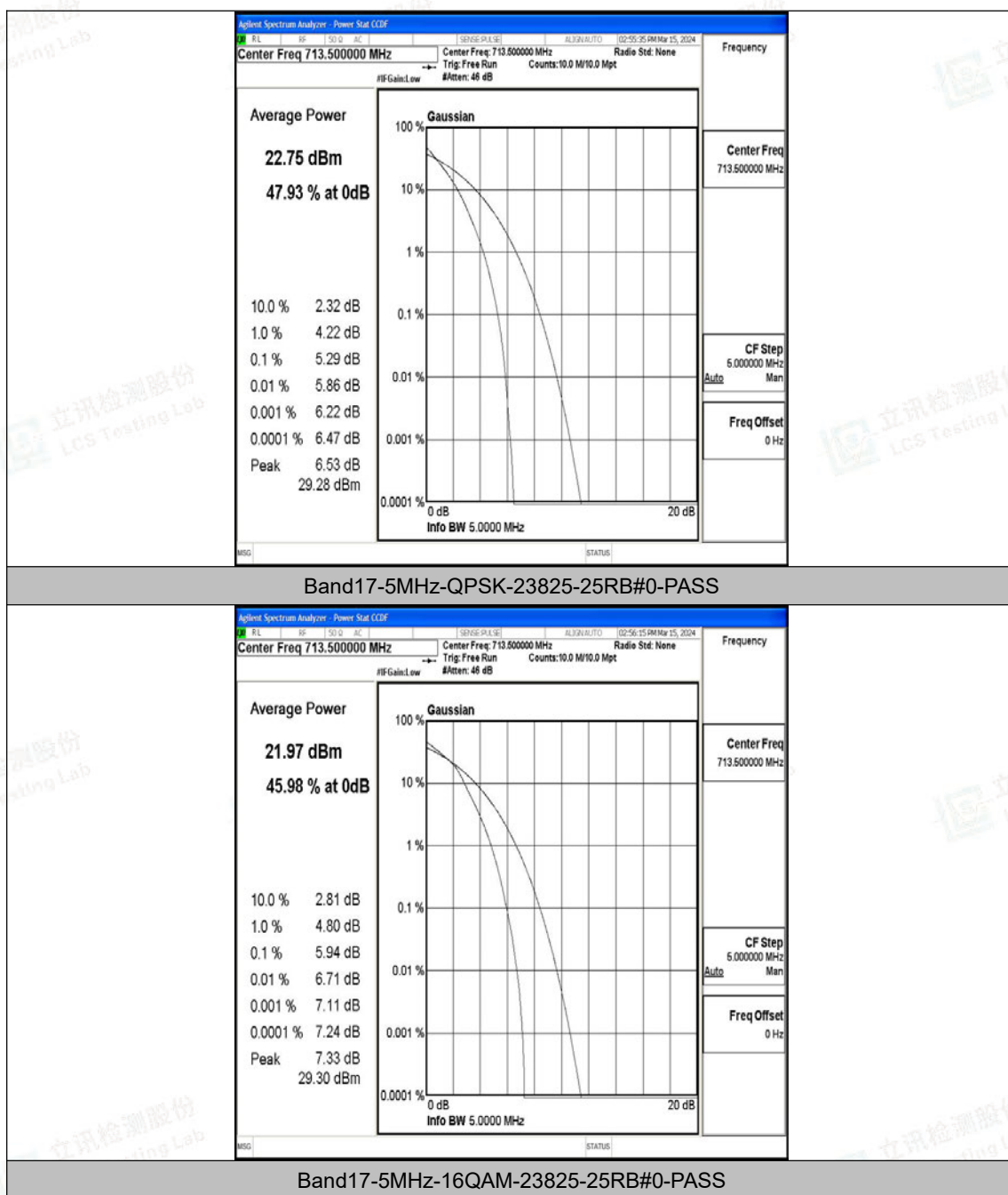


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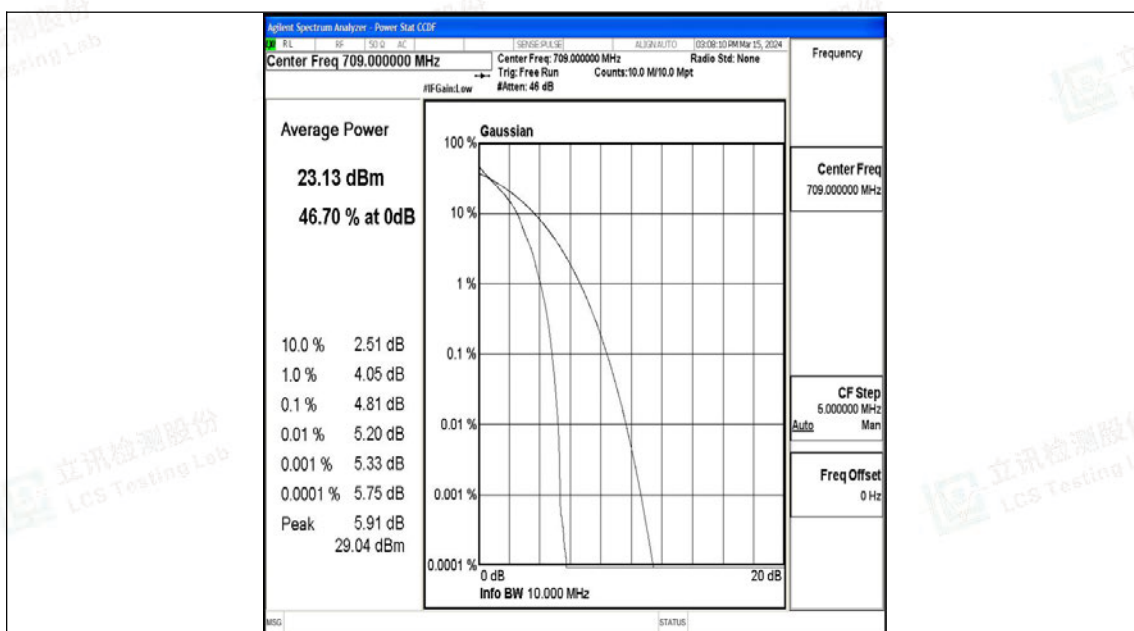


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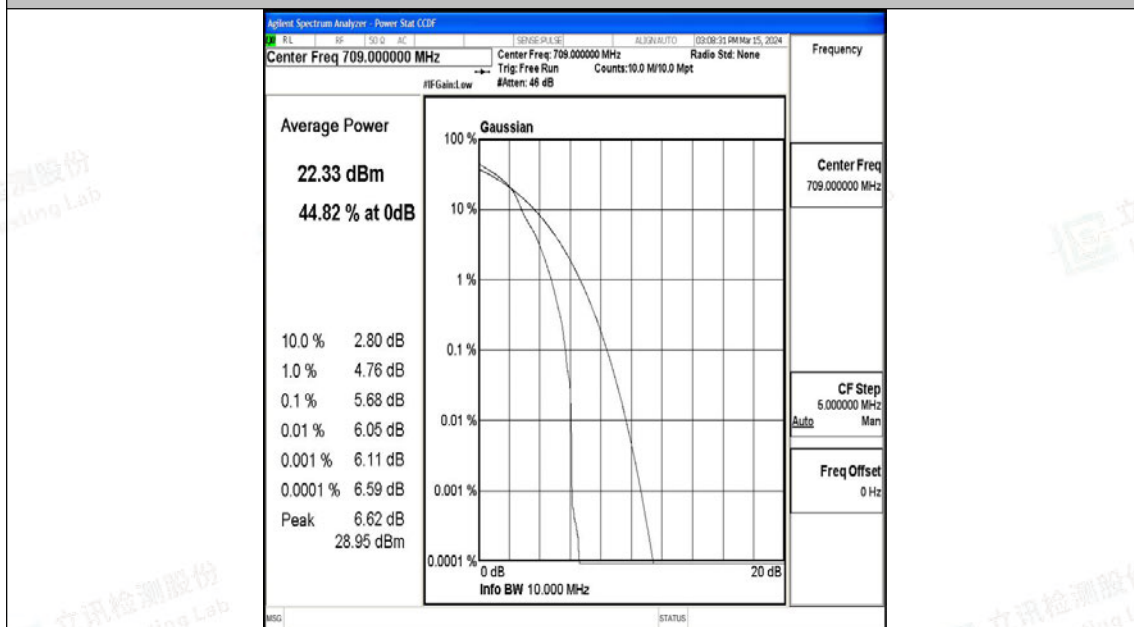
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Band17-10MHz-16QAM-23780-1RB#0-PASS

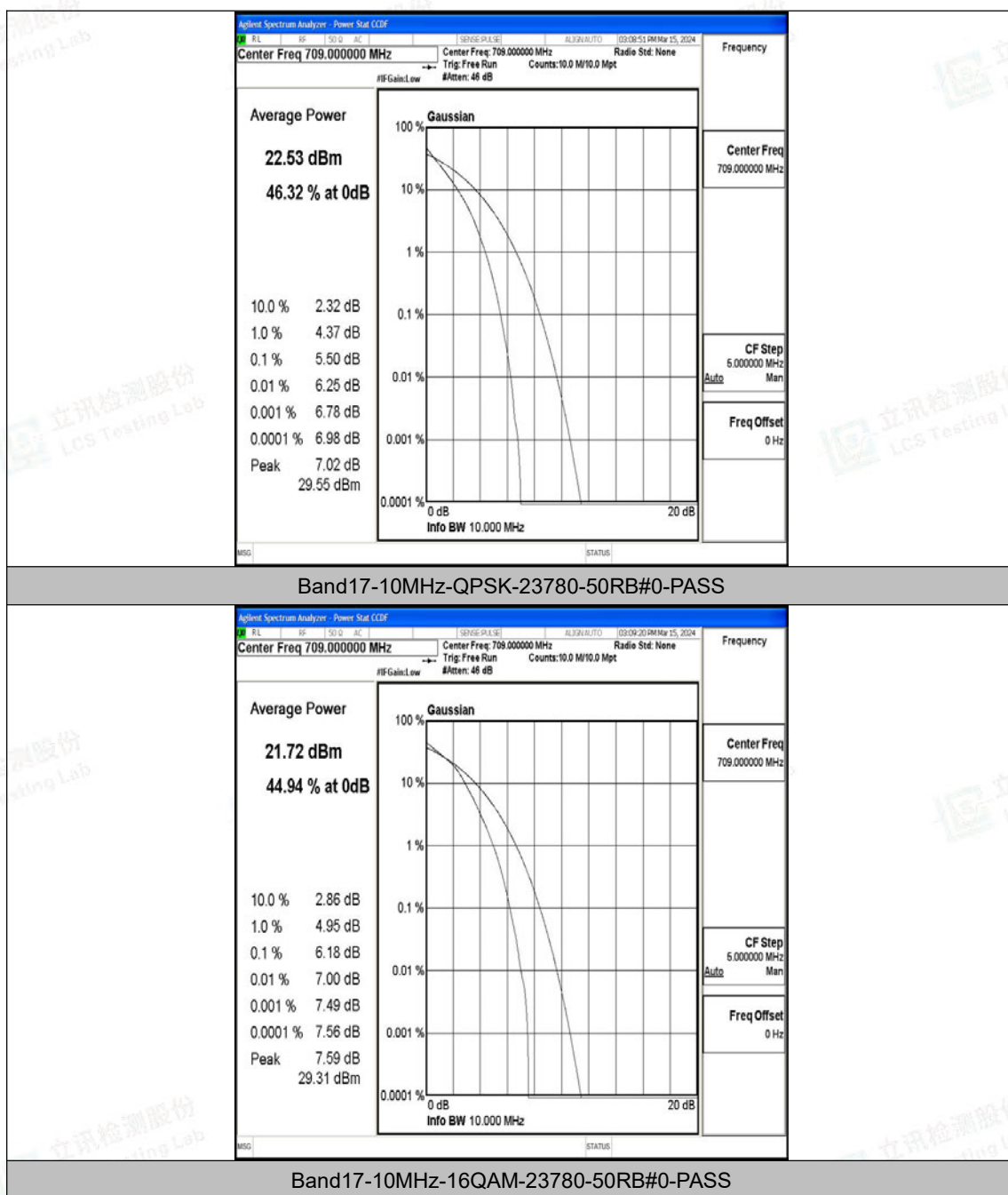


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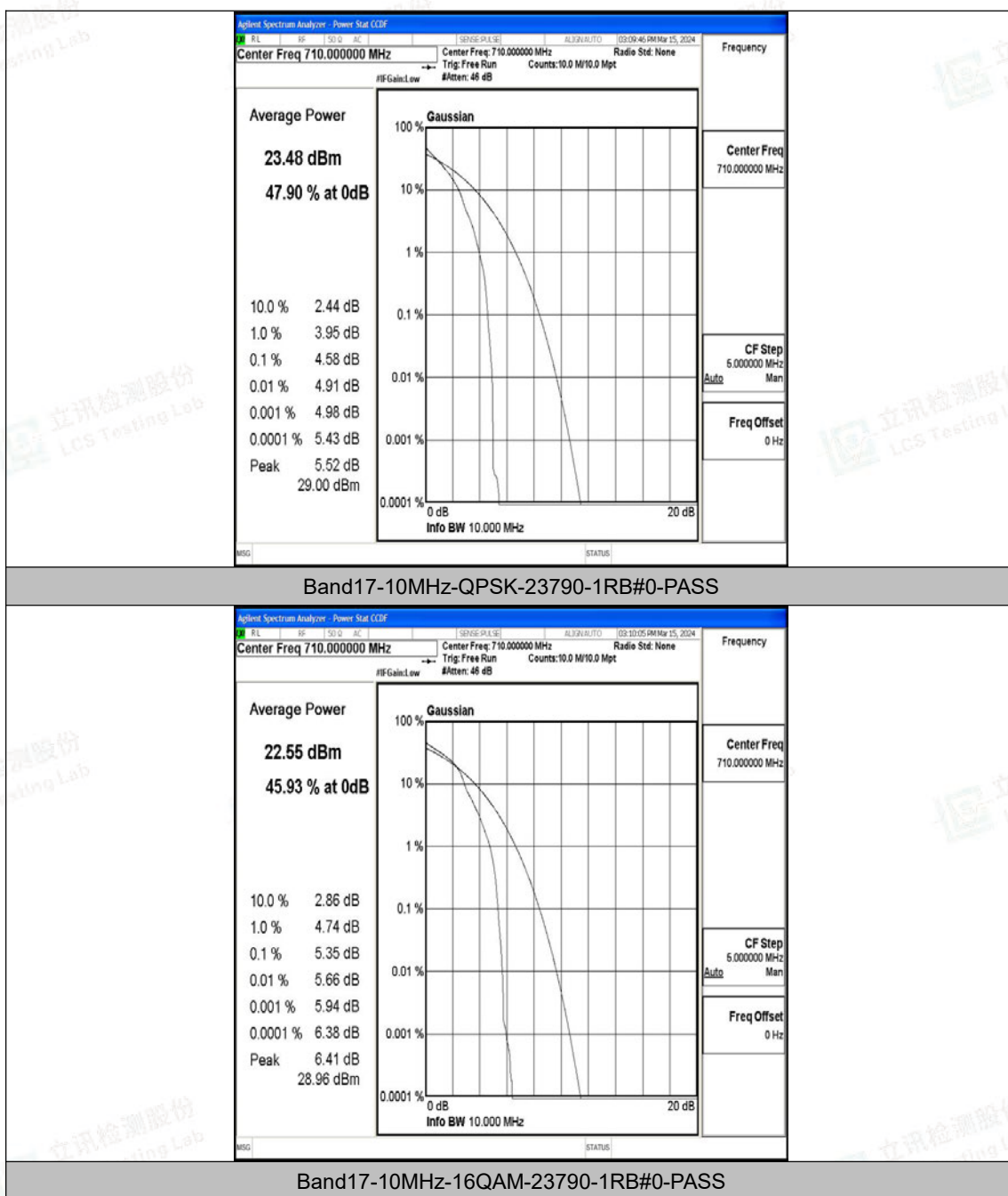


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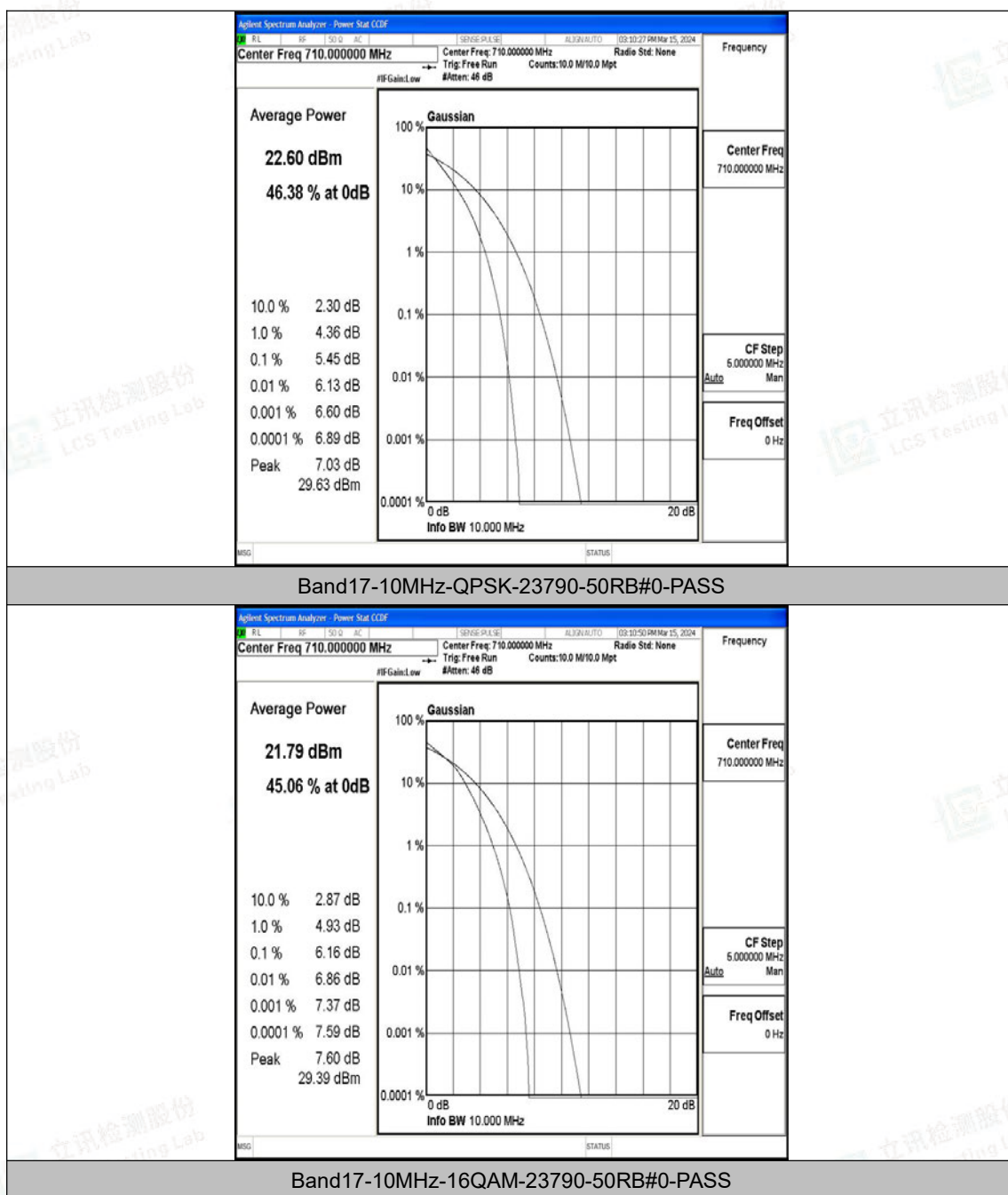


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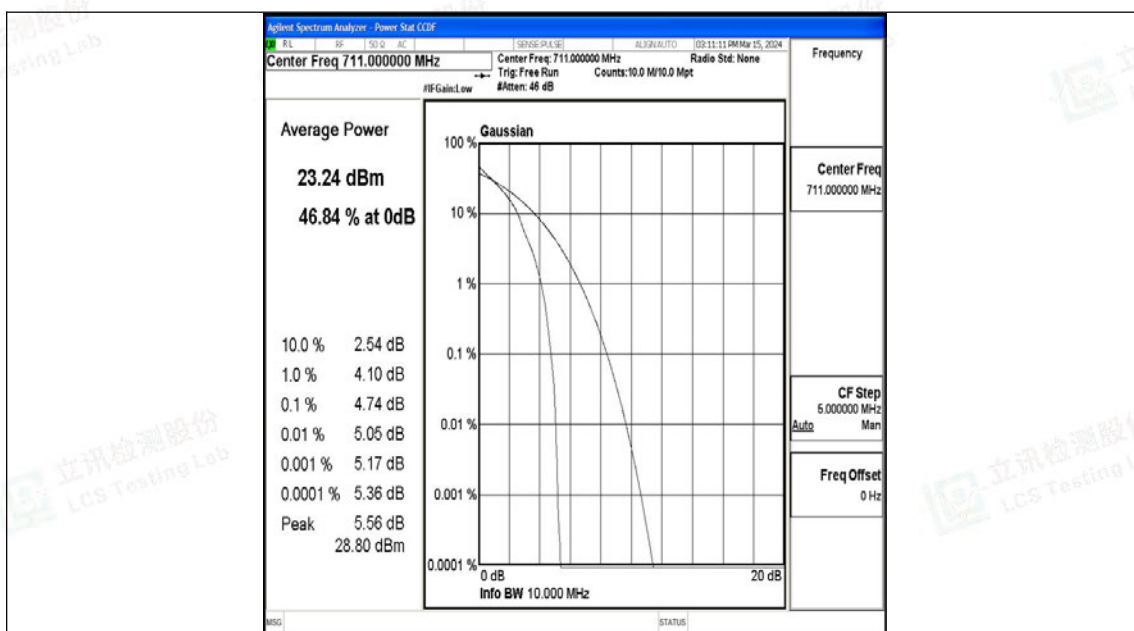


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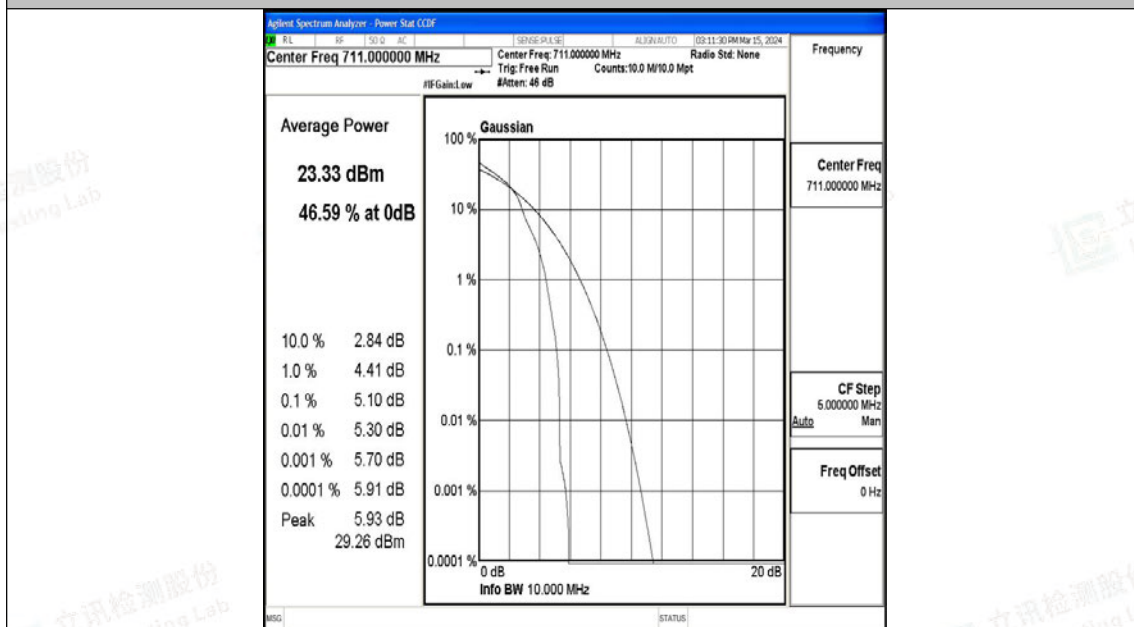
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Band17-10MHz-QPSK-23800-1RB#0-PASS



Band17-10MHz-16QAM-23800-1RB#0-PASS

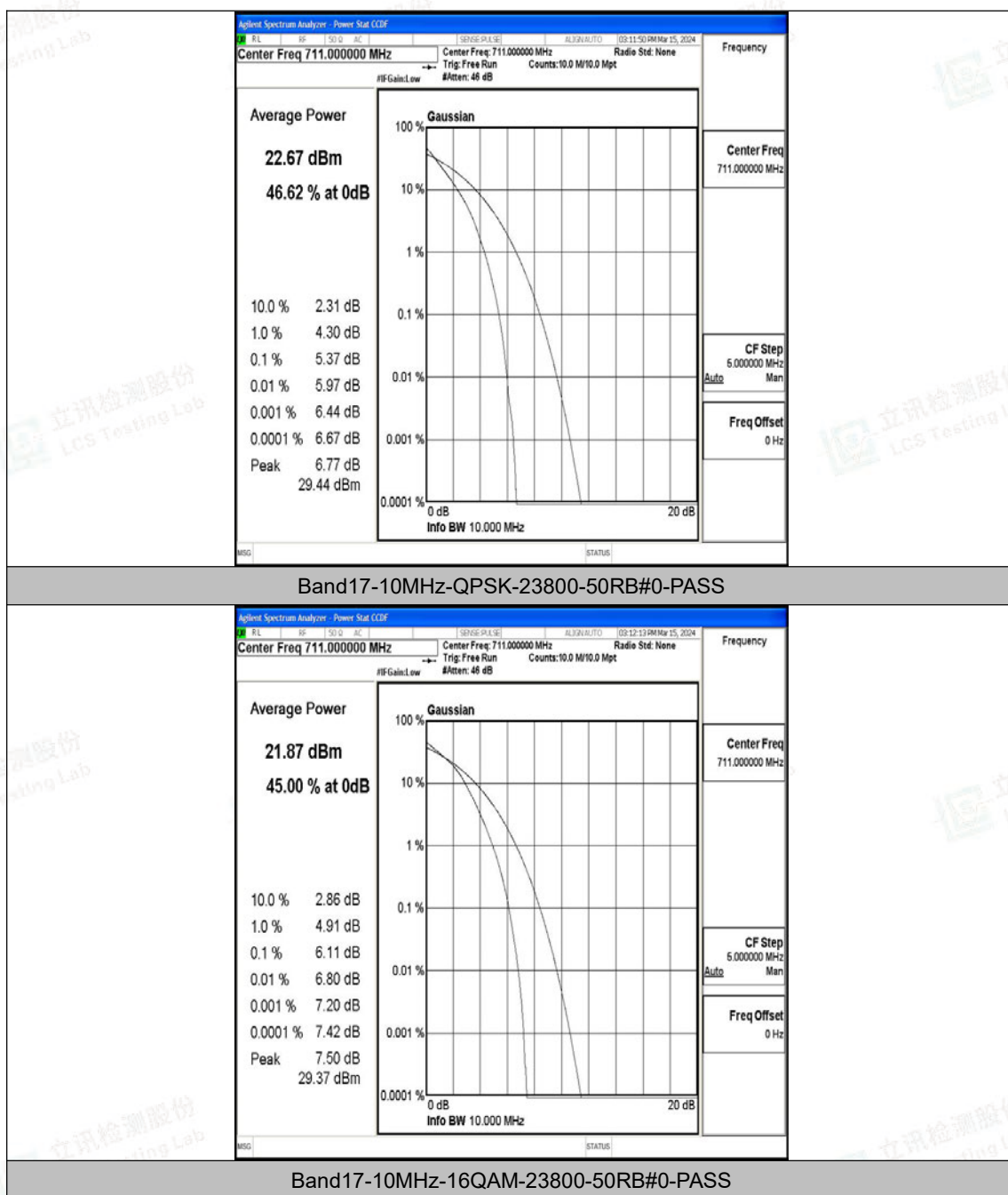


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M.3 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	4.5173	5.283	PASS
Band17	5MHz	16QAM	23755	25RB#0	4.5245	5.209	PASS
Band17	5MHz	QPSK	23790	25RB#0	4.5080	5.274	PASS
Band17	5MHz	16QAM	23790	25RB#0	4.5124	5.162	PASS
Band17	5MHz	QPSK	23825	25RB#0	4.4985	5.498	PASS
Band17	5MHz	16QAM	23825	25RB#0	4.5209	5.395	PASS
Band17	10MHz	QPSK	23780	50RB#0	8.9970	9.972	PASS
Band17	10MHz	16QAM	23780	50RB#0	8.9960	10.16	PASS
Band17	10MHz	QPSK	23790	50RB#0	9.0154	10.17	PASS
Band17	10MHz	16QAM	23790	50RB#0	9.0067	10.42	PASS
Band17	10MHz	QPSK	23800	50RB#0	8.9678	10.08	PASS
Band17	10MHz	16QAM	23800	50RB#0	9.0066	10.03	PASS



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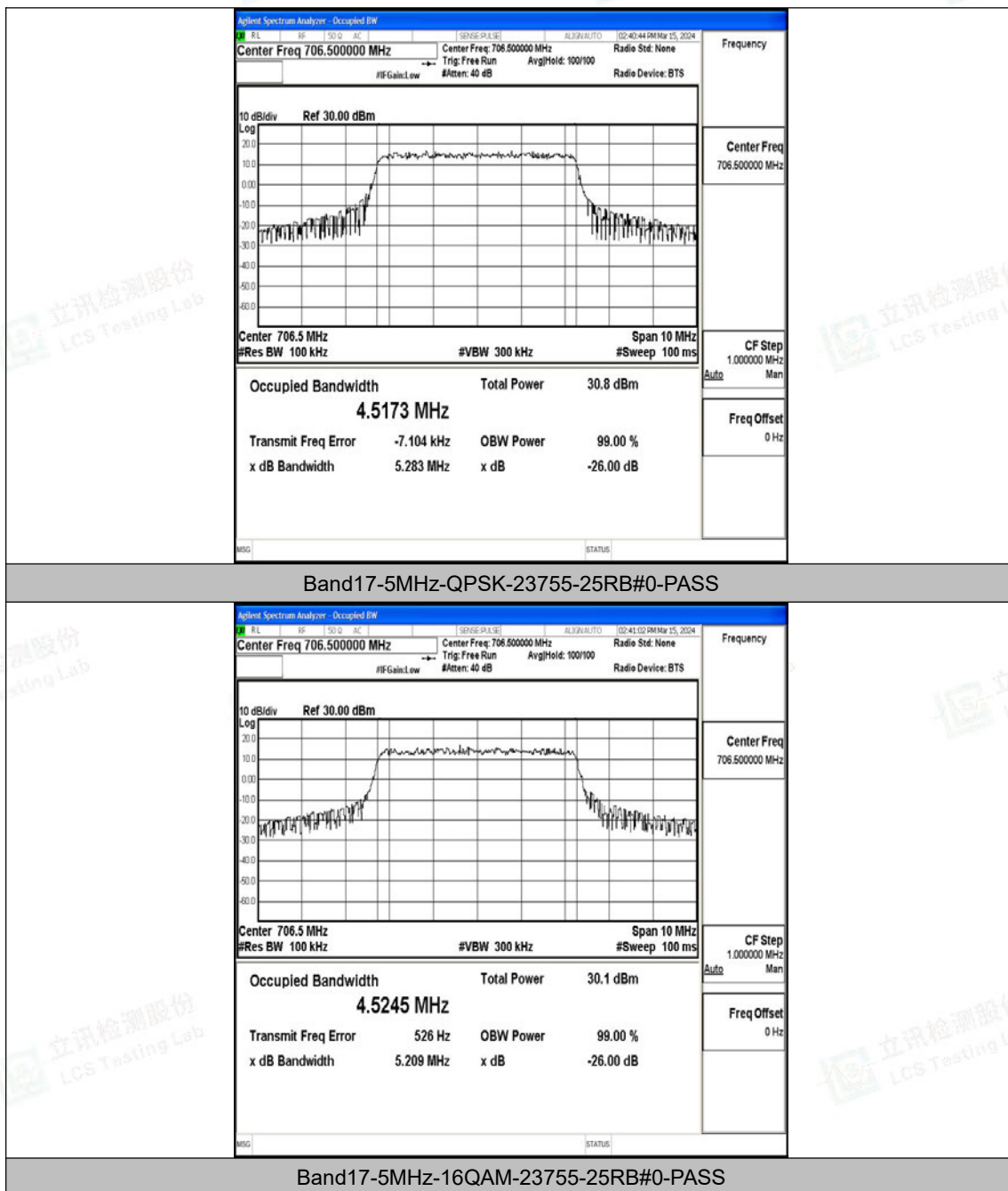
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Test Graphs

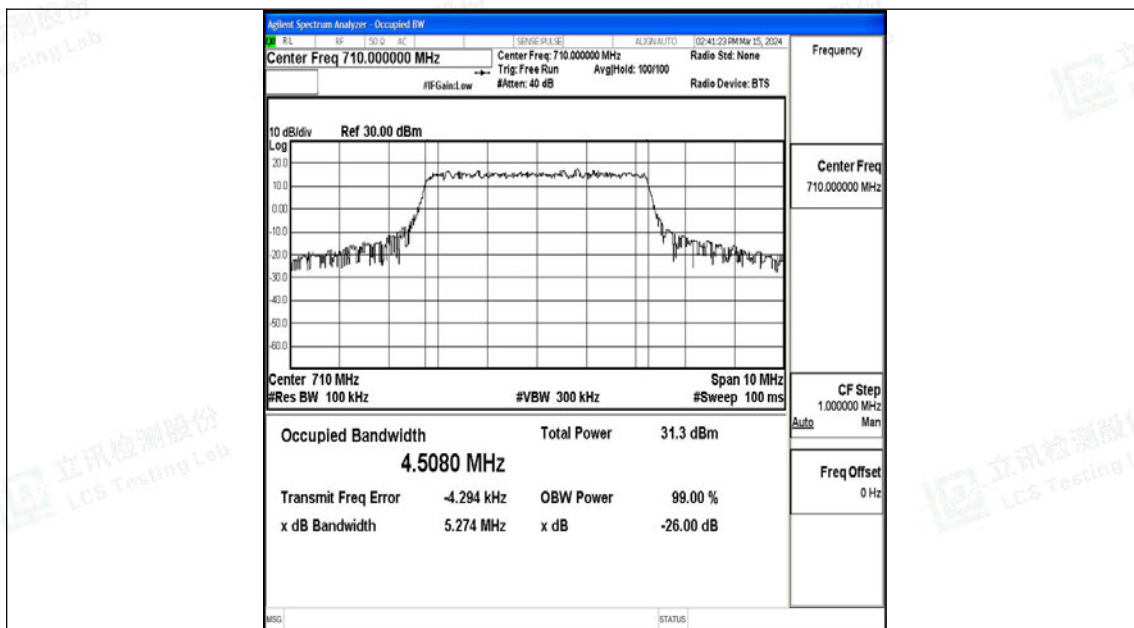


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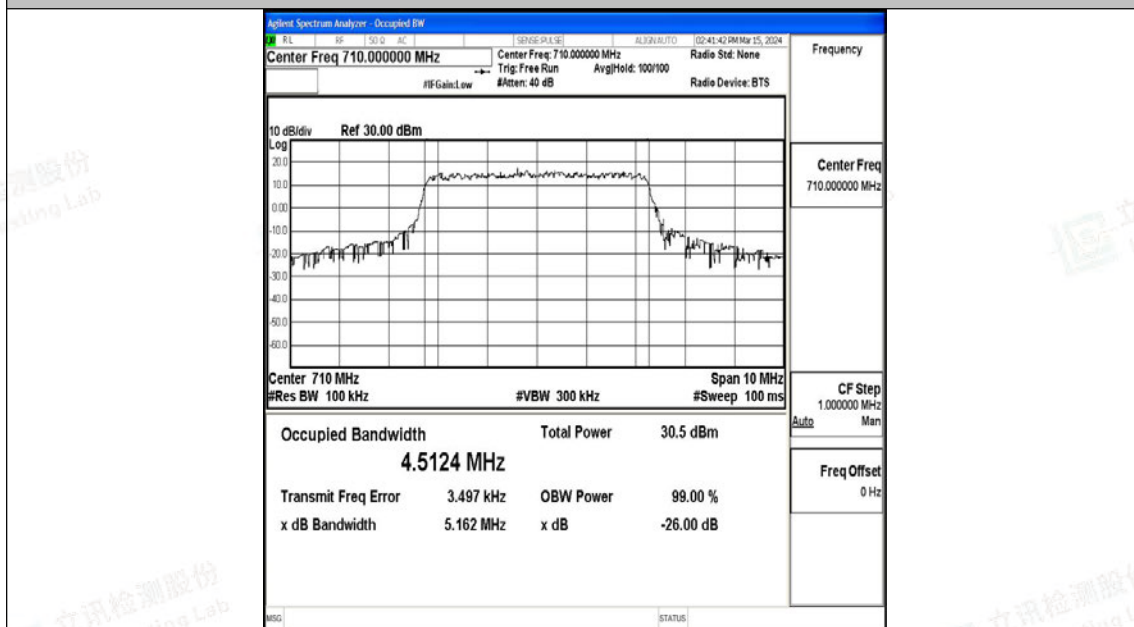
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Band17-5MHz-16QAM-23790-25RB#0-PASS

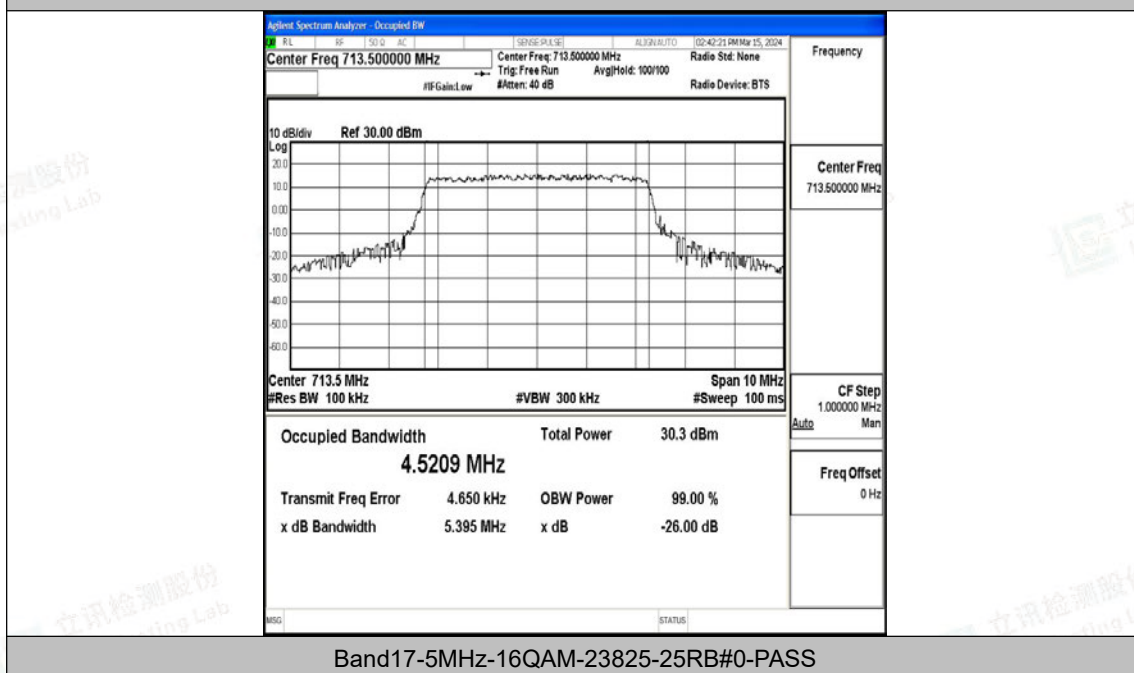
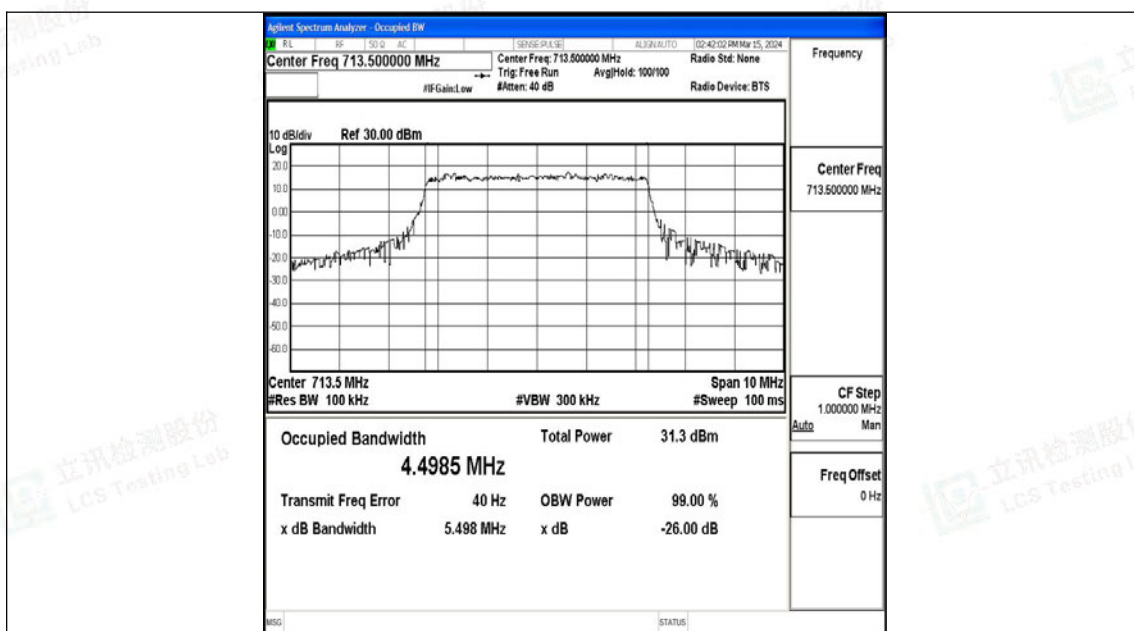


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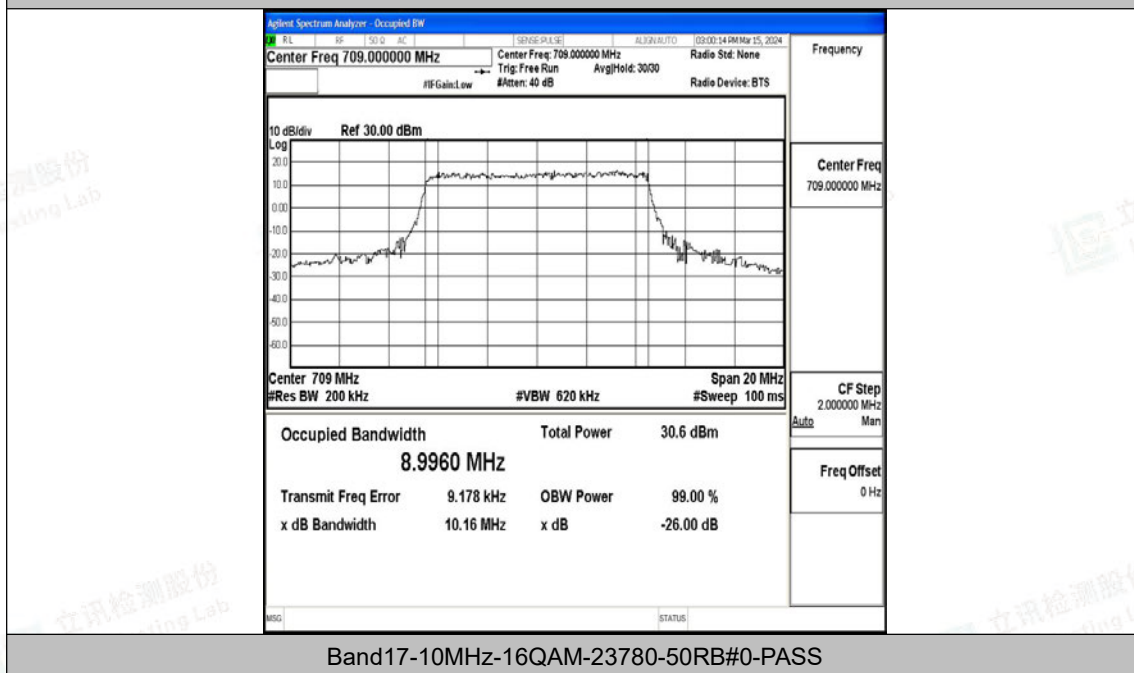
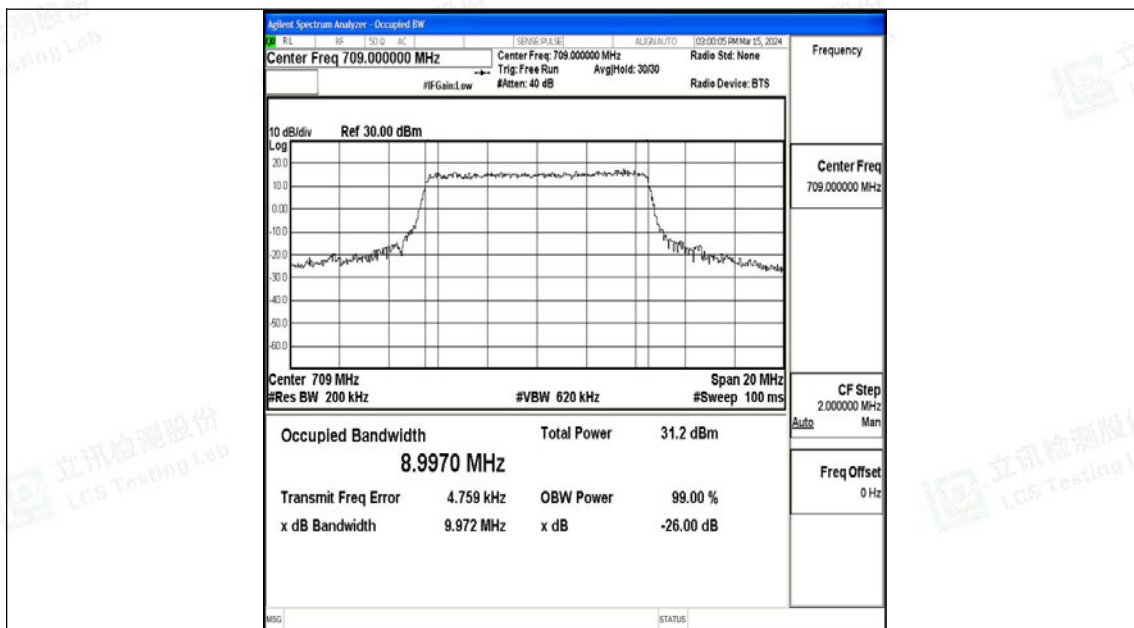


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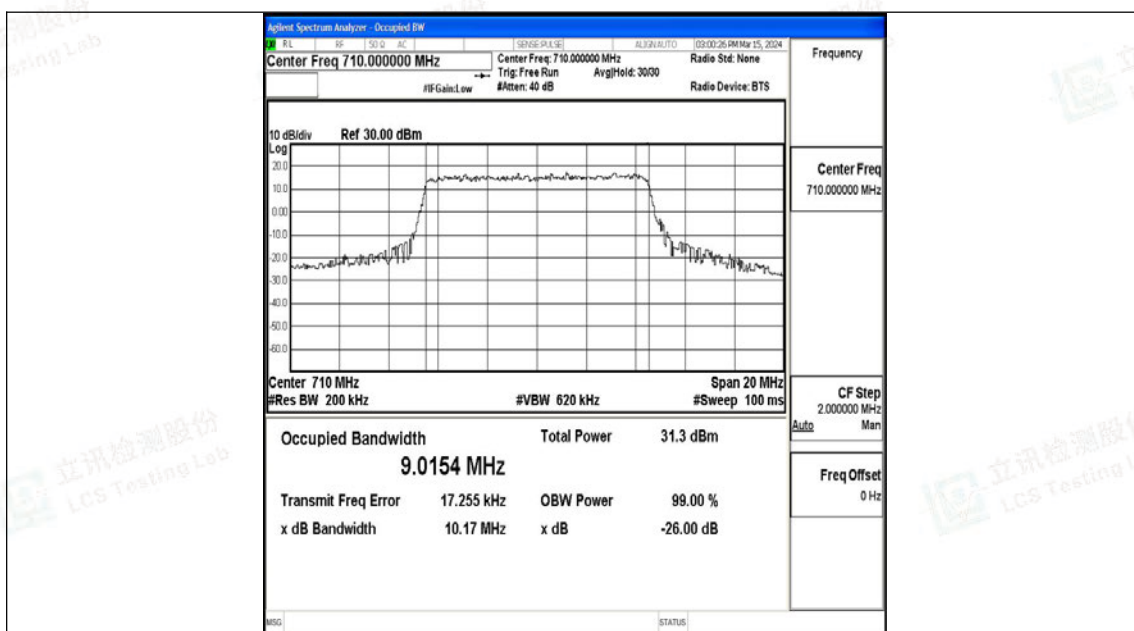


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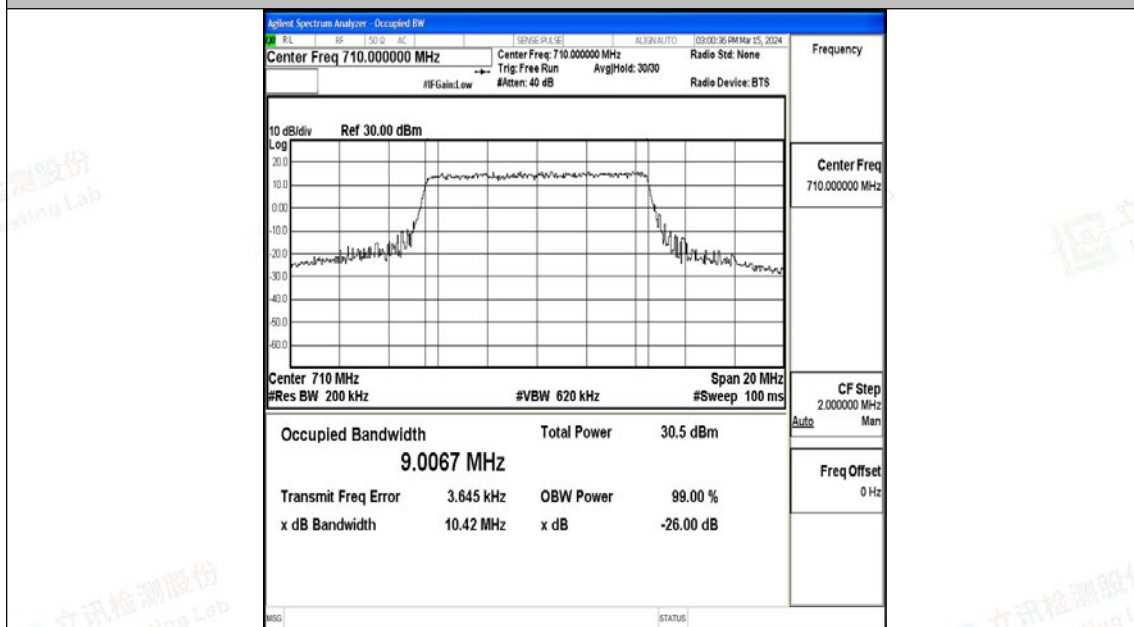
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Band17-10MHz-QPSK-23790-50RB#0-PASS



Band17-10MHz-16QAM-23790-50RB#0-PASS

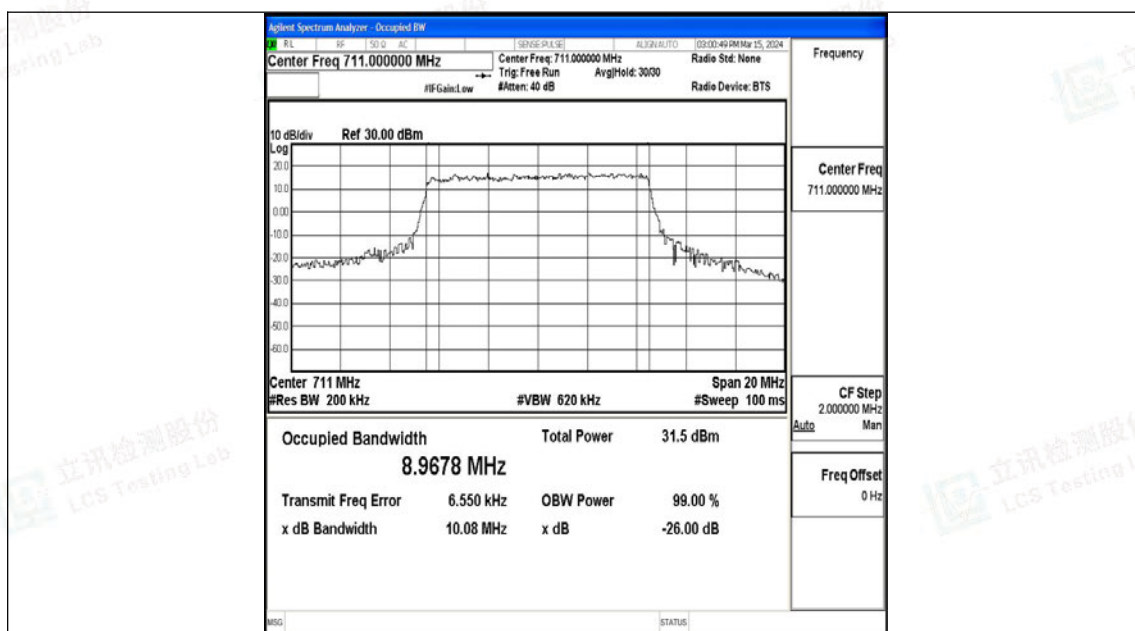


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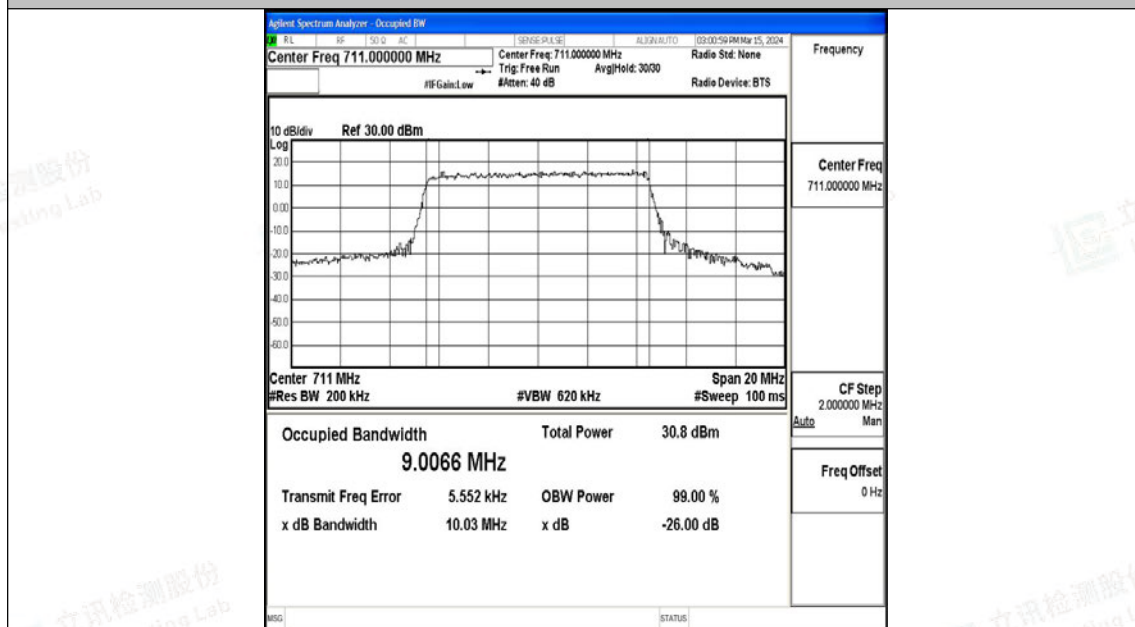
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Band17-10MHz-16QAM-23800-50RB#0-PASS



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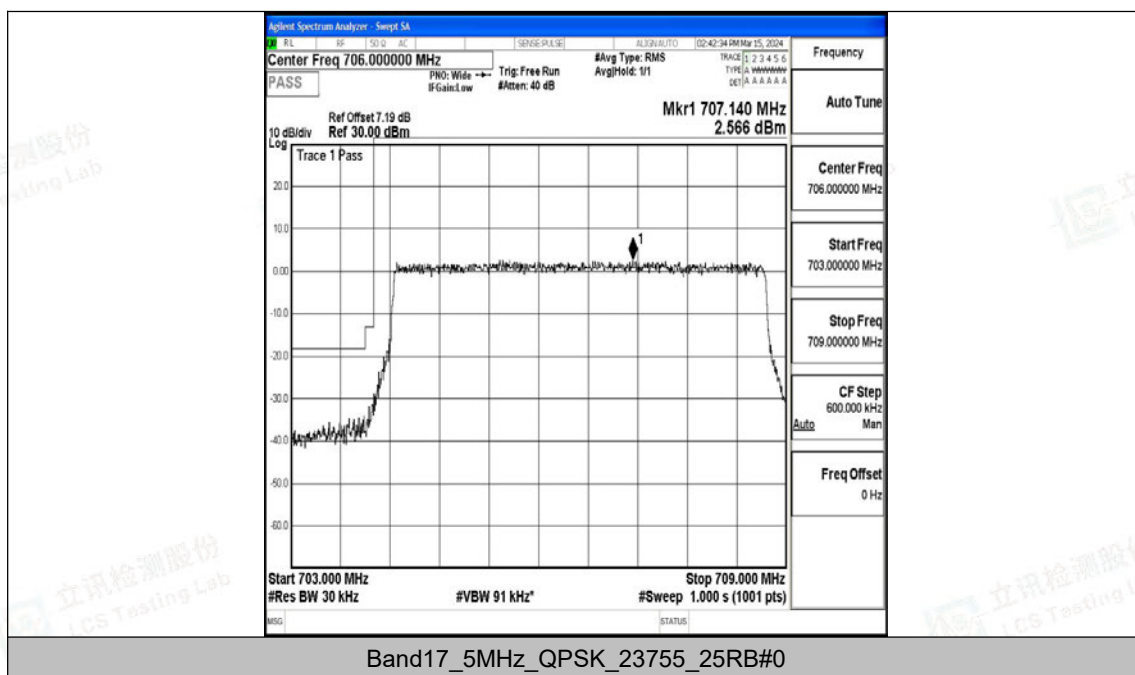


M.4 Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Peak Frequency	Result(dBm)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	703.89	-34.13	PASS
Band17	5MHz	16QAM	23755	25RB#0	703.89	-34.79	PASS
Band17	5MHz	QPSK	23825	25RB#0	716.10	-34.17	PASS
Band17	5MHz	16QAM	23825	25RB#0	716.10	-32.53	PASS
Band17	10MHz	QPSK	23780	50RB#0	703.61	-37.29	PASS
Band17	10MHz	16QAM	23780	50RB#0	703.17	-38.30	PASS
Band17	10MHz	QPSK	23800	50RB#0	716.14	-39.49	PASS
Band17	10MHz	16QAM	23800	50RB#0	716.20	-39.50	PASS

Test Graphs

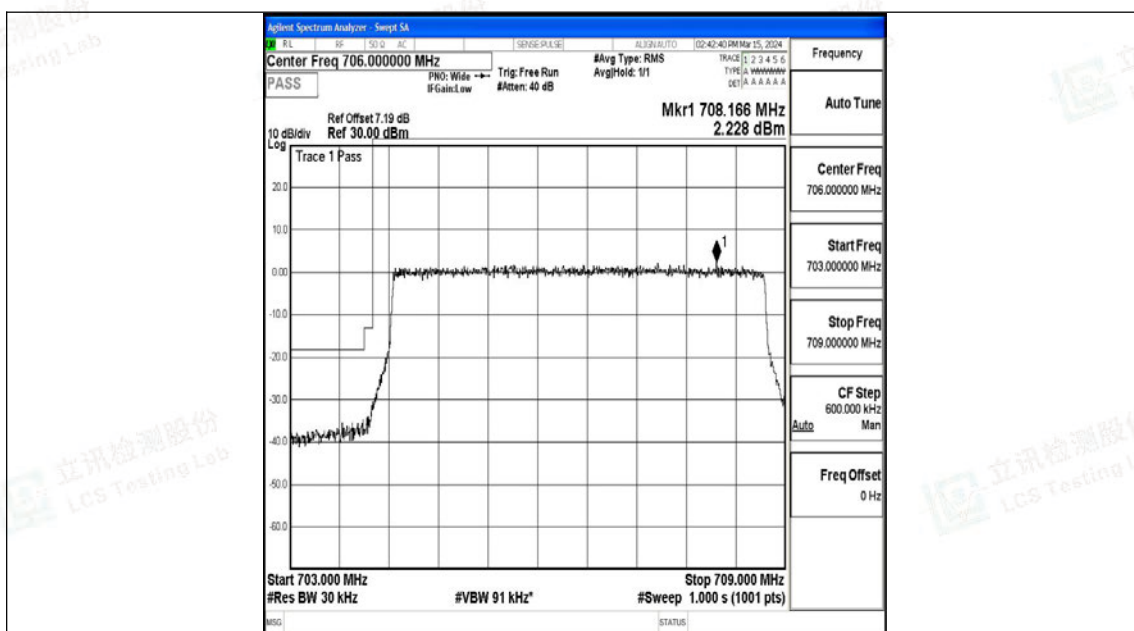


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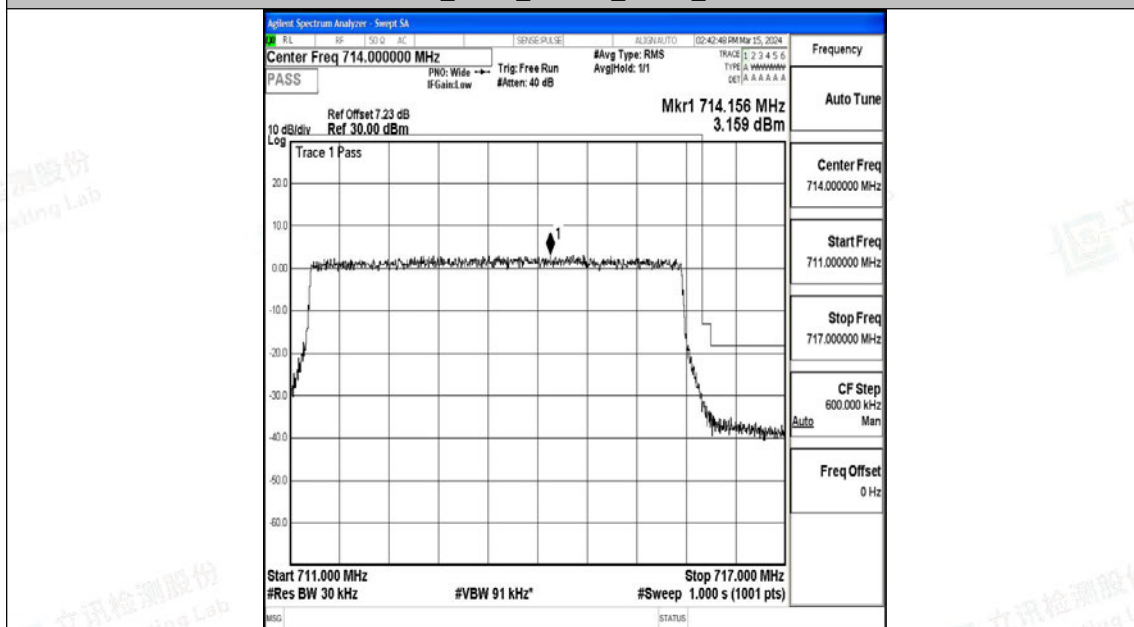
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Band17_5MHz_16QAM_23755_25RB#0



Band17_5MHz_QPSK_23825_25RB#0

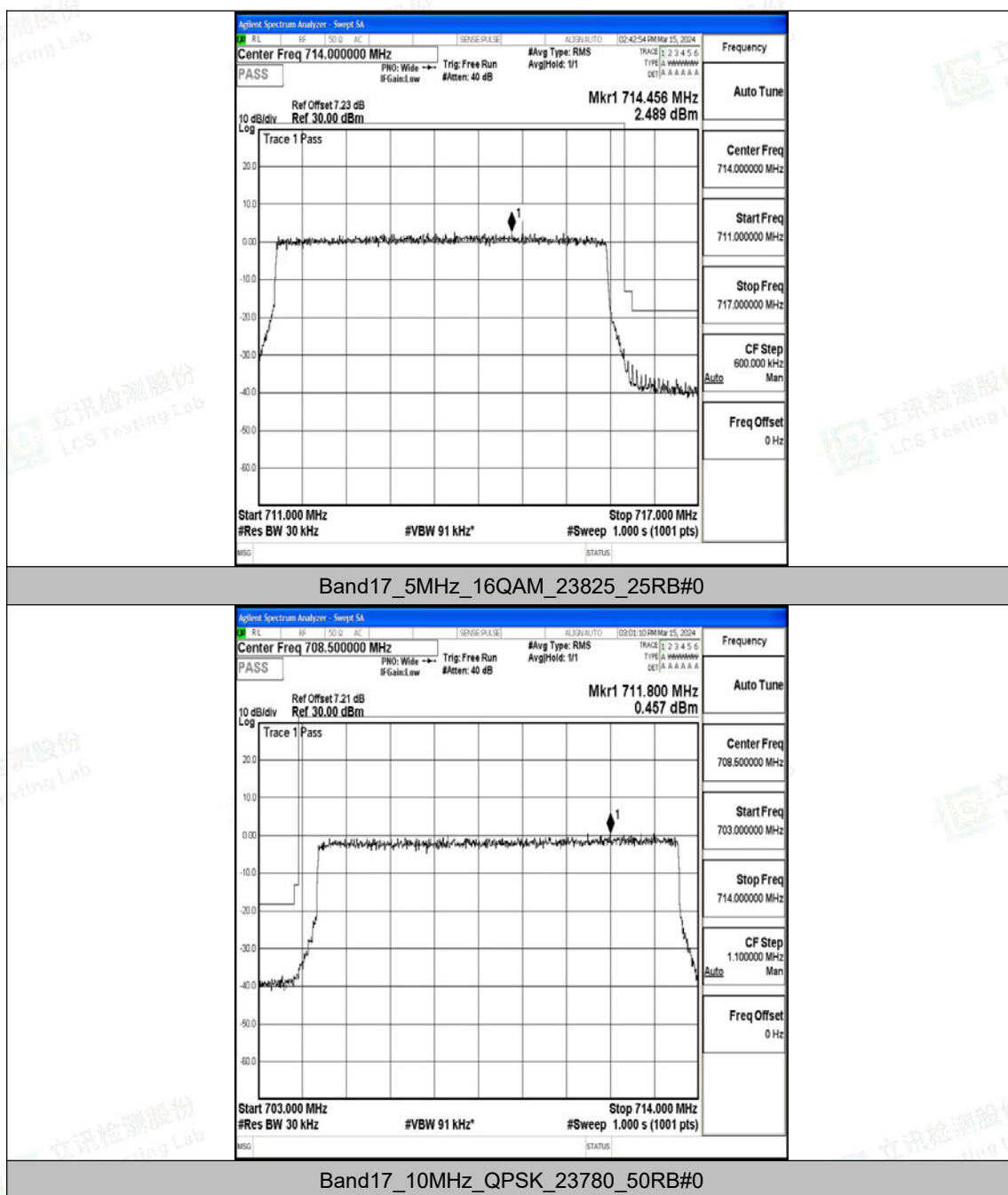


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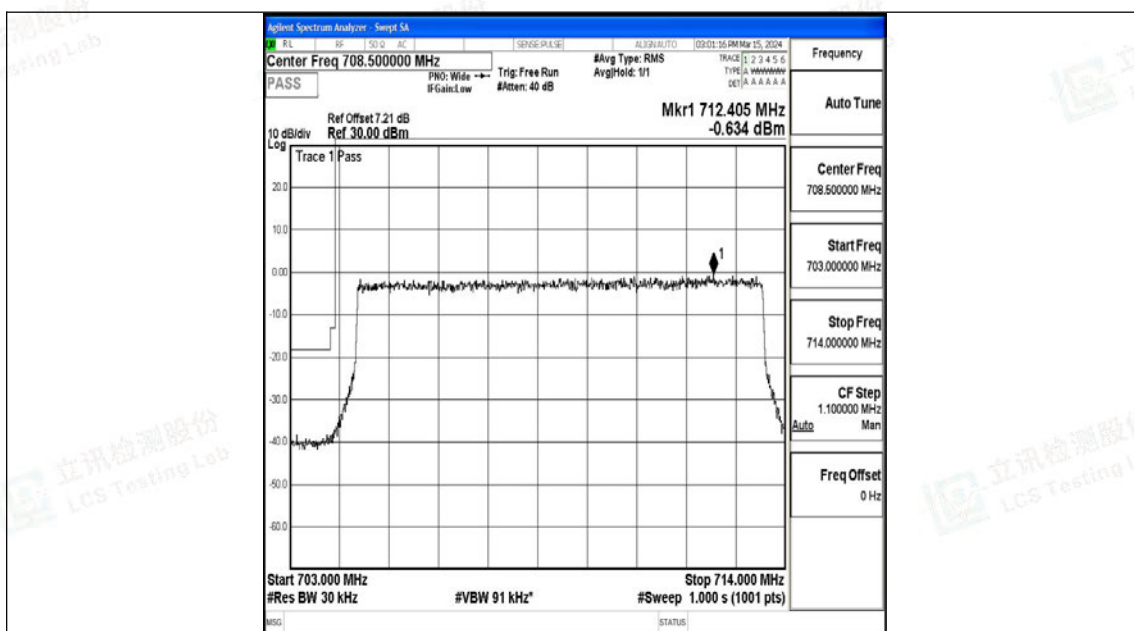


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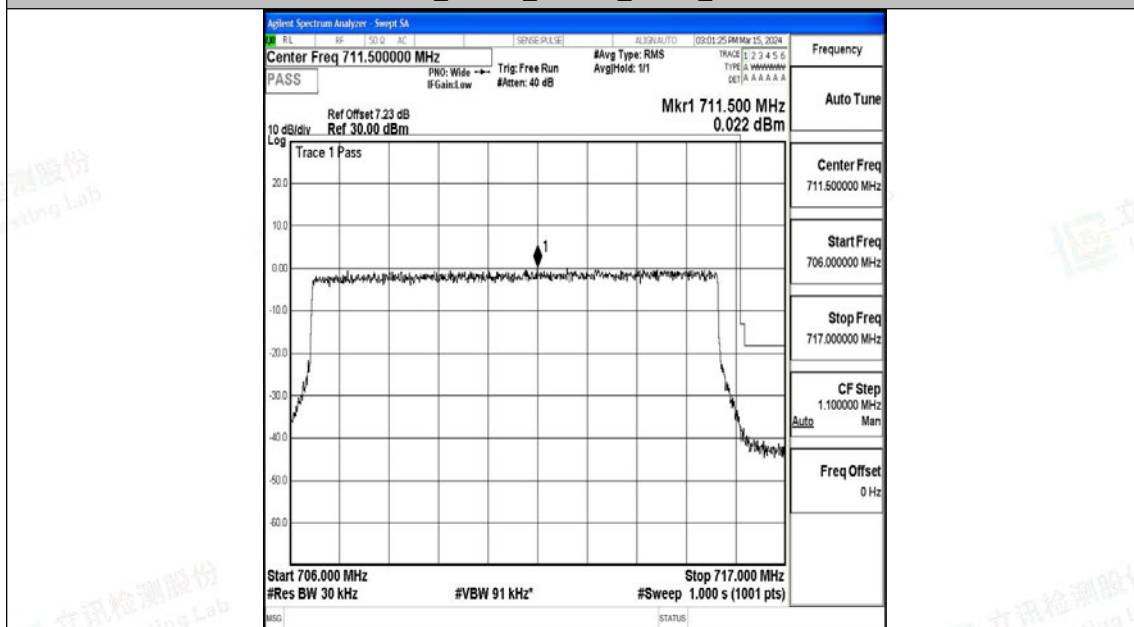
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Band17_10MHz_16QAM_23780_50RB#0



Band17_10MHz_QPSK_23800_50RB#0

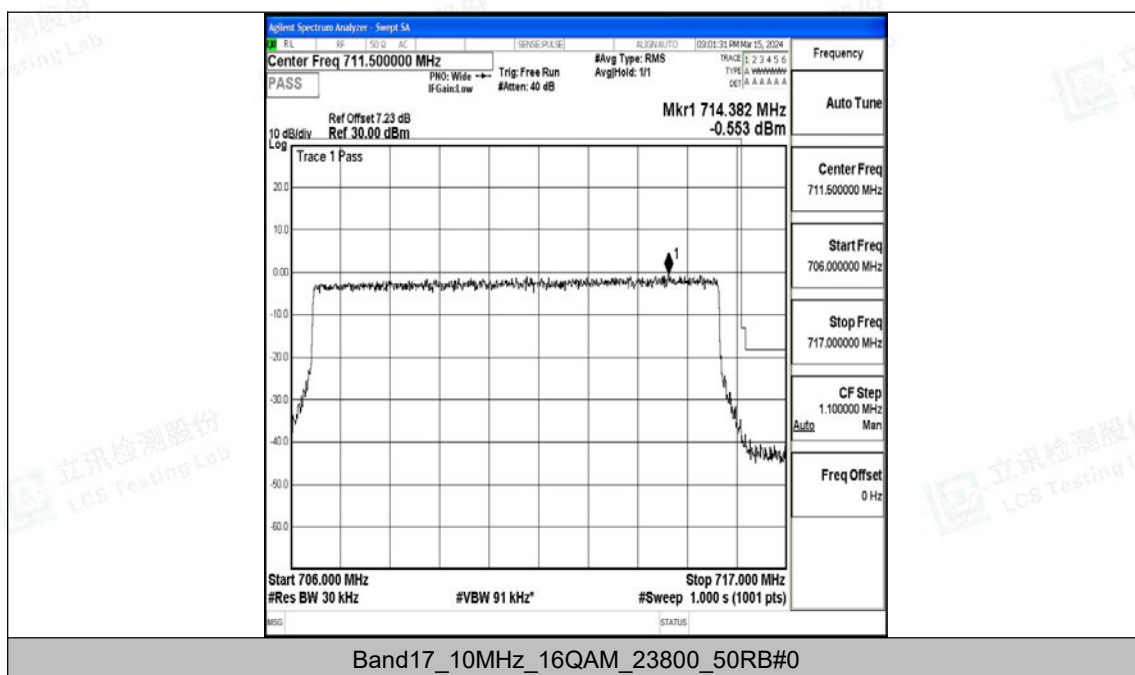


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M.5 Conducted Spurious Emission

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band17	5MHz	QPSK	23755	1RB#0	0.009~0.15	-56.65	PASS
Band17	5MHz	QPSK	23755	1RB#0	0.15~30	-53.49	PASS
Band17	5MHz	QPSK	23755	1RB#0	30~1000	-59.23	PASS
Band17	5MHz	QPSK	23755	1RB#0	1000~3000	-44.15	PASS
Band17	5MHz	QPSK	23755	1RB#0	3000~10000	-44.17	PASS
Band17	5MHz	16QAM	23755	1RB#0	0.009~0.15	-57.03	PASS
Band17	5MHz	16QAM	23755	1RB#0	0.15~30	-52.31	PASS
Band17	5MHz	16QAM	23755	1RB#0	30~1000	-61.19	PASS
Band17	5MHz	16QAM	23755	1RB#0	1000~3000	-45.59	PASS
Band17	5MHz	16QAM	23755	1RB#0	3000~10000	-44.22	PASS
Band17	5MHz	QPSK	23790	1RB#0	0.009~0.15	-56.99	PASS
Band17	5MHz	QPSK	23790	1RB#0	0.15~30	-51.97	PASS
Band17	5MHz	QPSK	23790	1RB#0	30~1000	-58.66	PASS
Band17	5MHz	QPSK	23790	1RB#0	1000~3000	-43.23	PASS
Band17	5MHz	QPSK	23790	1RB#0	3000~10000	-44.07	PASS
Band17	5MHz	16QAM	23790	1RB#0	0.009~0.15	-57.78	PASS
Band17	5MHz	16QAM	23790	1RB#0	0.15~30	-50.78	PASS
Band17	5MHz	16QAM	23790	1RB#0	30~1000	-59.90	PASS
Band17	5MHz	16QAM	23790	1RB#0	1000~3000	-45.71	PASS
Band17	5MHz	16QAM	23790	1RB#0	3000~10000	-44.01	PASS
Band17	5MHz	QPSK	23825	1RB#0	0.009~0.15	-54.96	PASS
Band17	5MHz	QPSK	23825	1RB#0	0.15~30	-51.97	PASS
Band17	5MHz	QPSK	23825	1RB#0	30~1000	-58.05	PASS
Band17	5MHz	QPSK	23825	1RB#0	1000~3000	-43.26	PASS
Band17	5MHz	QPSK	23825	1RB#0	3000~10000	-44.01	PASS
Band17	5MHz	16QAM	23825	1RB#0	0.009~0.15	-57.87	PASS
Band17	5MHz	16QAM	23825	1RB#0	0.15~30	-50.69	PASS
Band17	5MHz	16QAM	23825	1RB#0	30~1000	-58.40	PASS
Band17	5MHz	16QAM	23825	1RB#0	1000~3000	-42.71	PASS
Band17	5MHz	16QAM	23825	1RB#0	3000~10000	-43.98	PASS
Band17	10MHz	QPSK	23780	1RB#0	0.009~0.15	-54.65	PASS
Band17	10MHz	QPSK	23780	1RB#0	0.15~30	-54.84	PASS
Band17	10MHz	QPSK	23780	1RB#0	30~1000	-62.00	PASS
Band17	10MHz	QPSK	23780	1RB#0	1000~3000	-45.84	PASS
Band17	10MHz	QPSK	23780	1RB#0	3000~10000	-44.37	PASS



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Band17	10MHz	16QAM	23780	1RB#0	0.009~0.15	-59.16	PASS
Band17	10MHz	16QAM	23780	1RB#0	0.15~30	-54.42	PASS
Band17	10MHz	16QAM	23780	1RB#0	30~1000	-61.90	PASS
Band17	10MHz	16QAM	23780	1RB#0	1000~3000	-44.03	PASS
Band17	10MHz	16QAM	23780	1RB#0	3000~10000	-44.01	PASS
Band17	10MHz	QPSK	23790	1RB#0	0.009~0.15	-56.36	PASS
Band17	10MHz	QPSK	23790	1RB#0	0.15~30	-50.67	PASS
Band17	10MHz	QPSK	23790	1RB#0	30~1000	-61.95	PASS
Band17	10MHz	QPSK	23790	1RB#0	1000~3000	-44.21	PASS
Band17	10MHz	QPSK	23790	1RB#0	3000~10000	-43.97	PASS
Band17	10MHz	16QAM	23790	1RB#0	0.009~0.15	-58.15	PASS
Band17	10MHz	16QAM	23790	1RB#0	0.15~30	-51.00	PASS
Band17	10MHz	16QAM	23790	1RB#0	30~1000	-62.18	PASS
Band17	10MHz	16QAM	23790	1RB#0	1000~3000	-45.77	PASS
Band17	10MHz	16QAM	23790	1RB#0	3000~10000	-43.63	PASS
Band17	10MHz	QPSK	23800	1RB#0	0.009~0.15	-56.81	PASS
Band17	10MHz	QPSK	23800	1RB#0	0.15~30	-51.96	PASS
Band17	10MHz	QPSK	23800	1RB#0	30~1000	-62.18	PASS
Band17	10MHz	QPSK	23800	1RB#0	1000~3000	-44.36	PASS
Band17	10MHz	QPSK	23800	1RB#0	3000~10000	-44.40	PASS
Band17	10MHz	16QAM	23800	1RB#0	0.009~0.15	-55.56	PASS
Band17	10MHz	16QAM	23800	1RB#0	0.15~30	-54.02	PASS
Band17	10MHz	16QAM	23800	1RB#0	30~1000	-62.10	PASS
Band17	10MHz	16QAM	23800	1RB#0	1000~3000	-46.32	PASS
Band17	10MHz	16QAM	23800	1RB#0	3000~10000	-44.19	PASS



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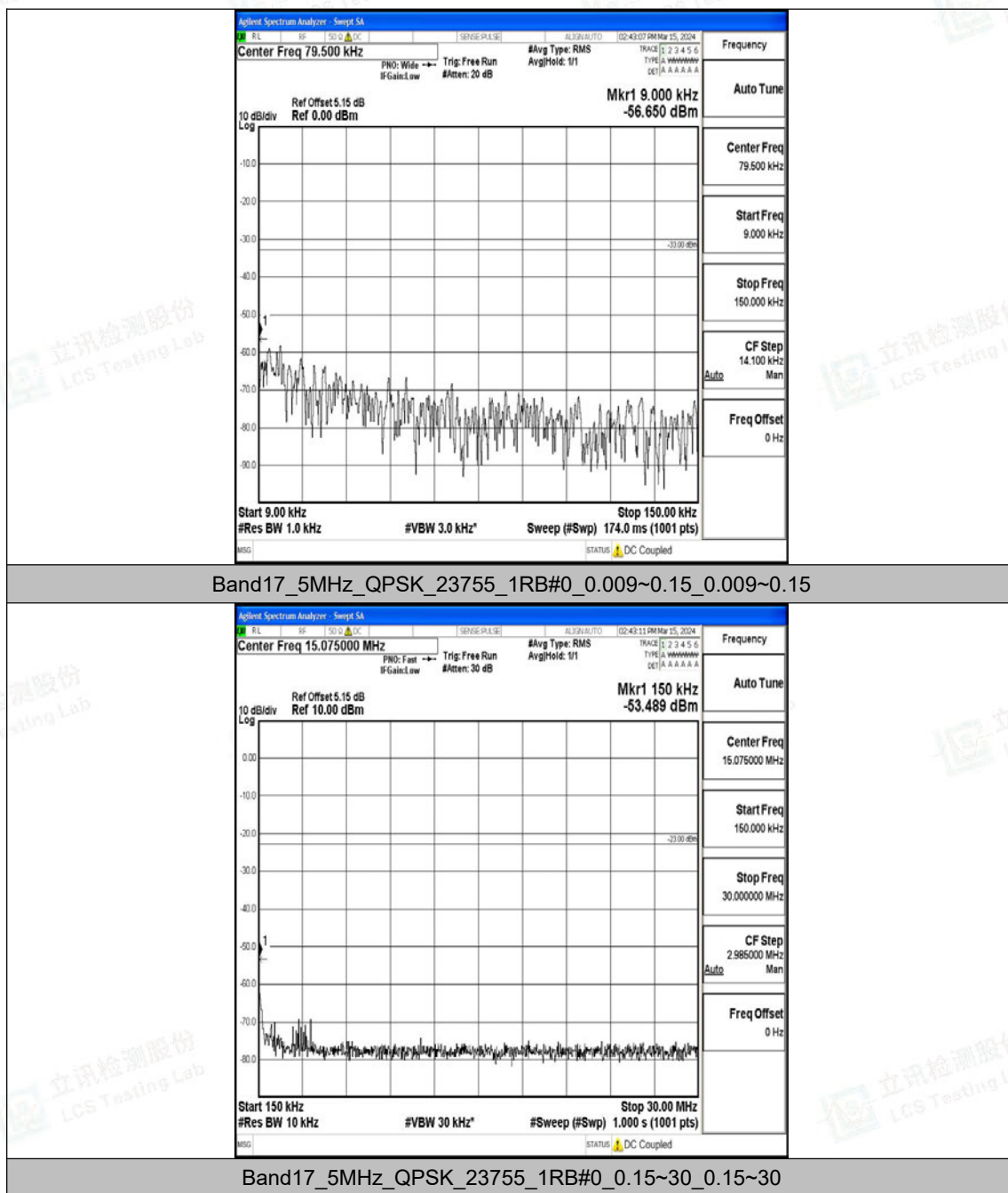
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Test Graphs

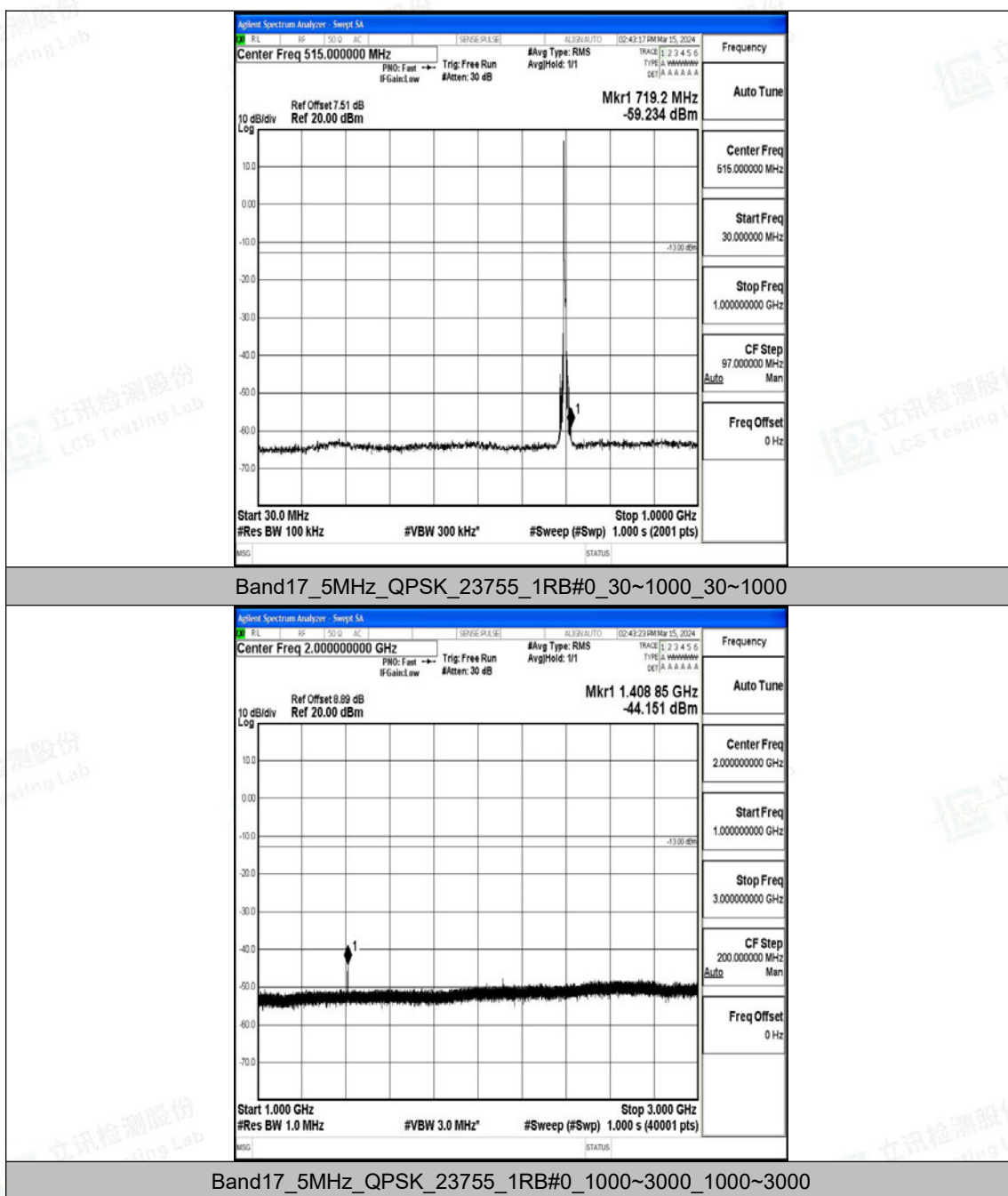


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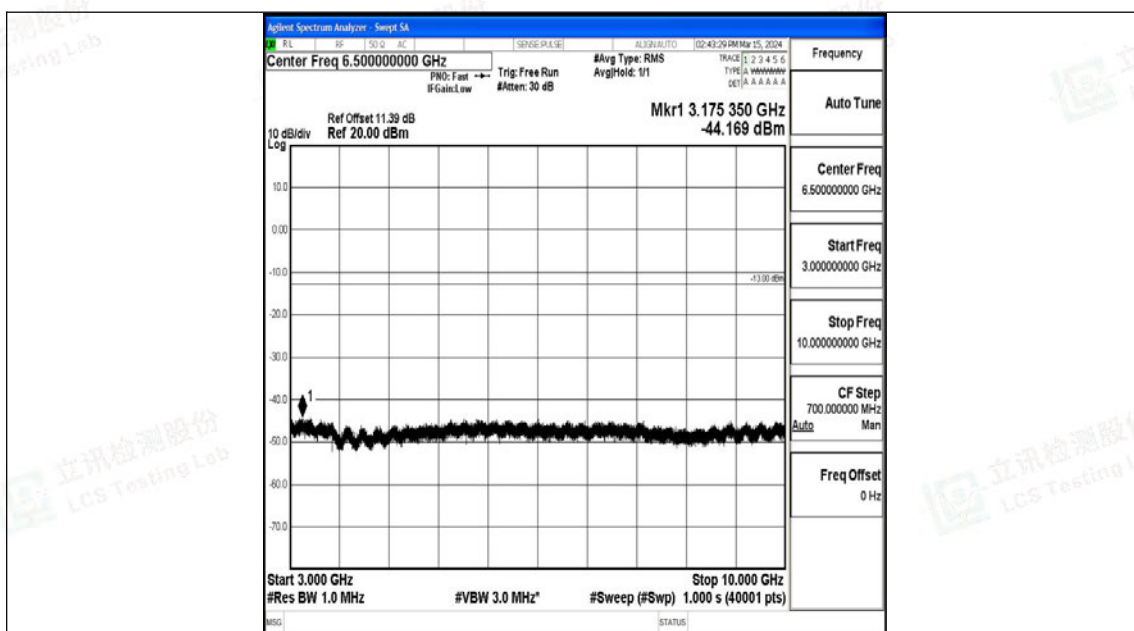


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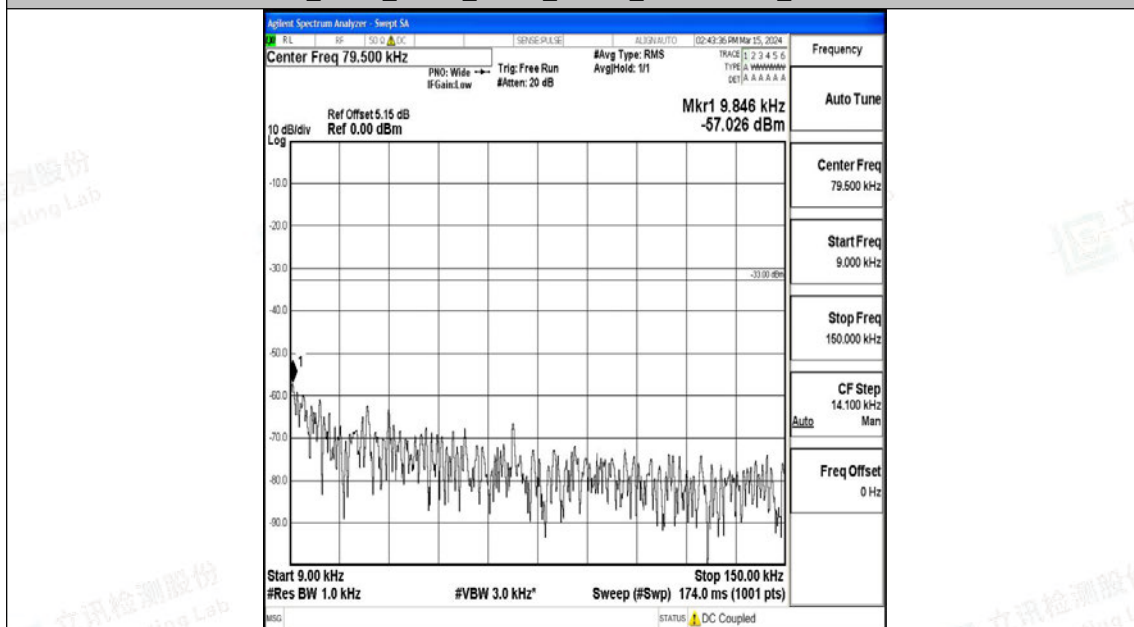
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Band17_5MHz_QPSK_23755_1RB#0_3000~10000_3000~10000



Band17_5MHz_16QAM_23755_1RB#0_0.009~0.15_0.009~0.15

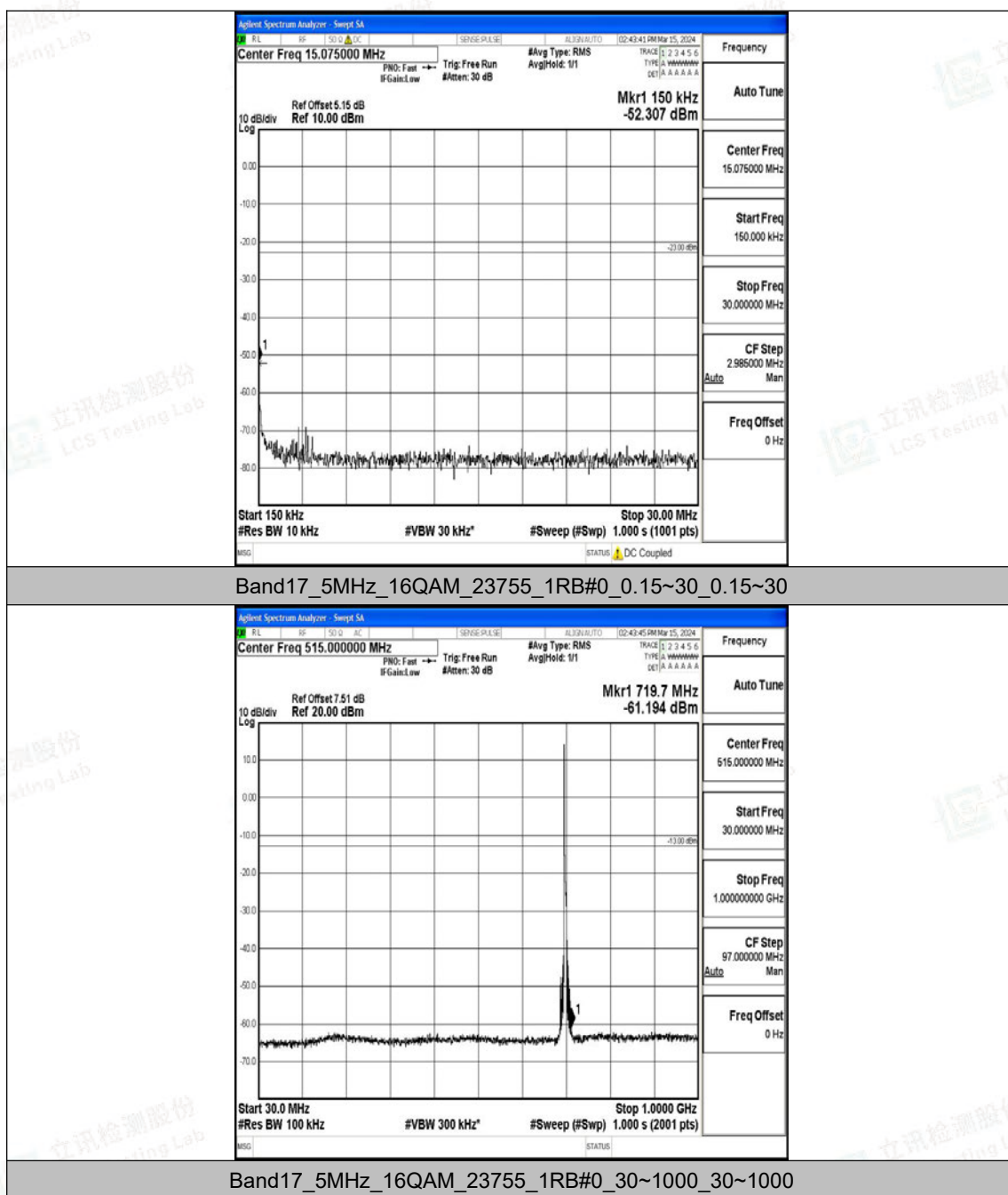


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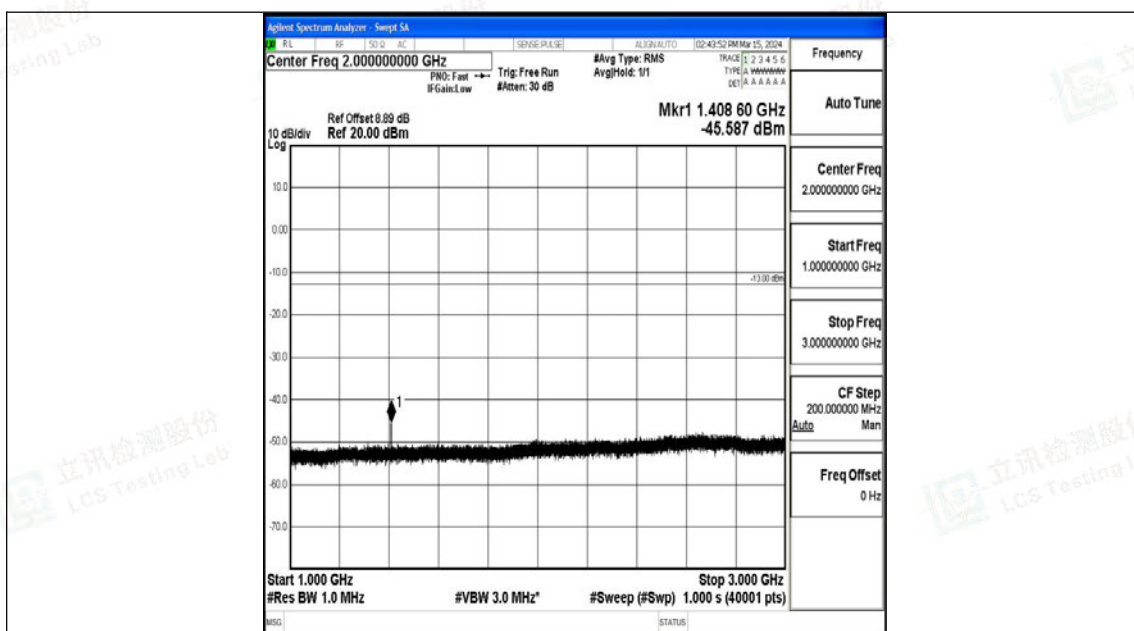


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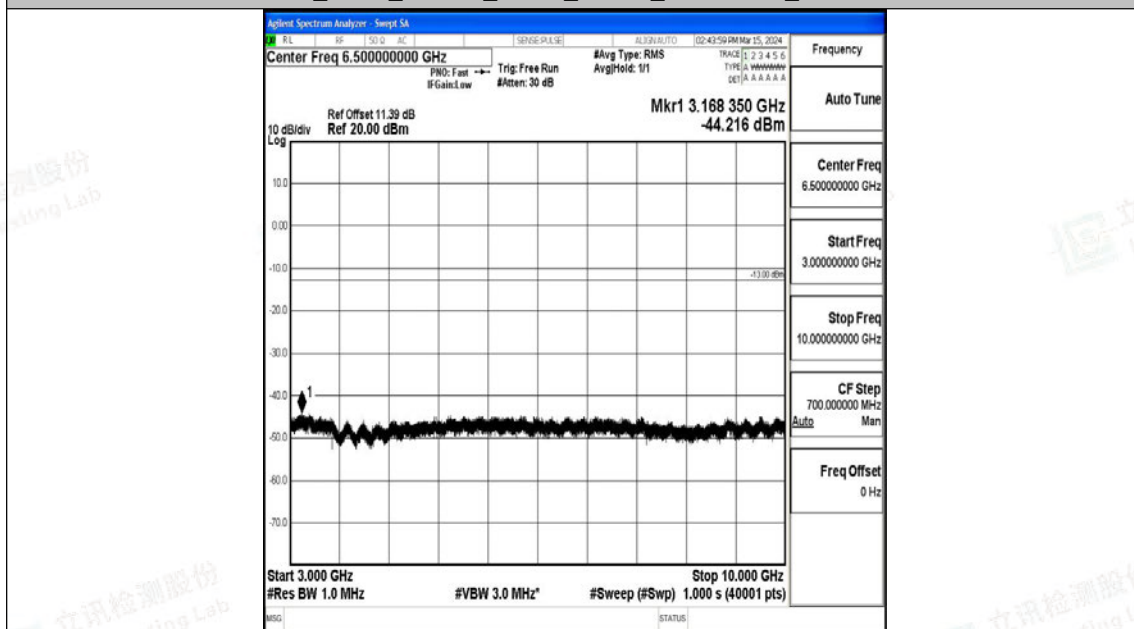
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Band17_5MHz_16QAM_23755_1RB#0_1000~3000_1000~3000



Band17_5MHz_16QAM_23755_1RB#0_3000~10000_3000~10000

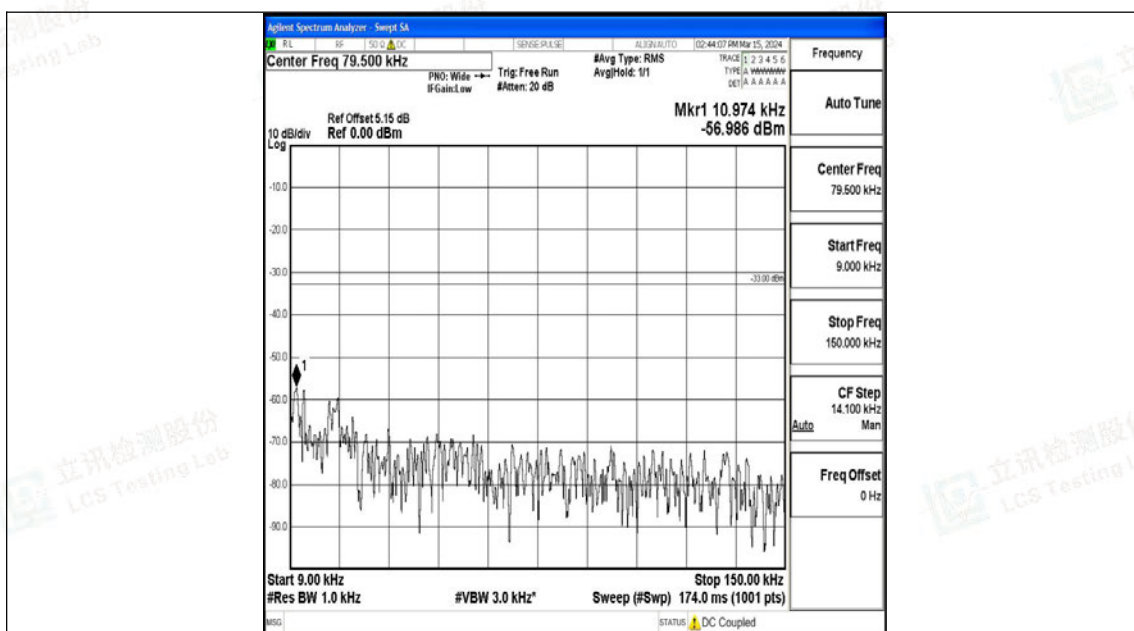


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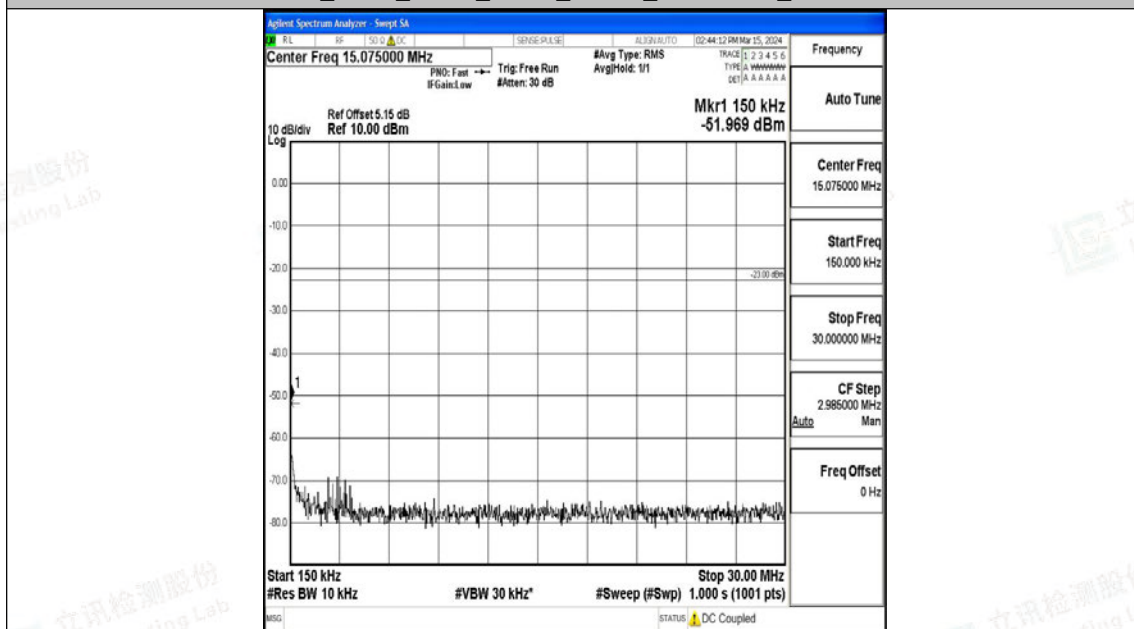
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Band17_5MHz_QPSK_23790_1RB#0_0.009~0.15_0.009~0.15



Band17_5MHz_QPSK_23790_1RB#0_0.15~30_0.15~30

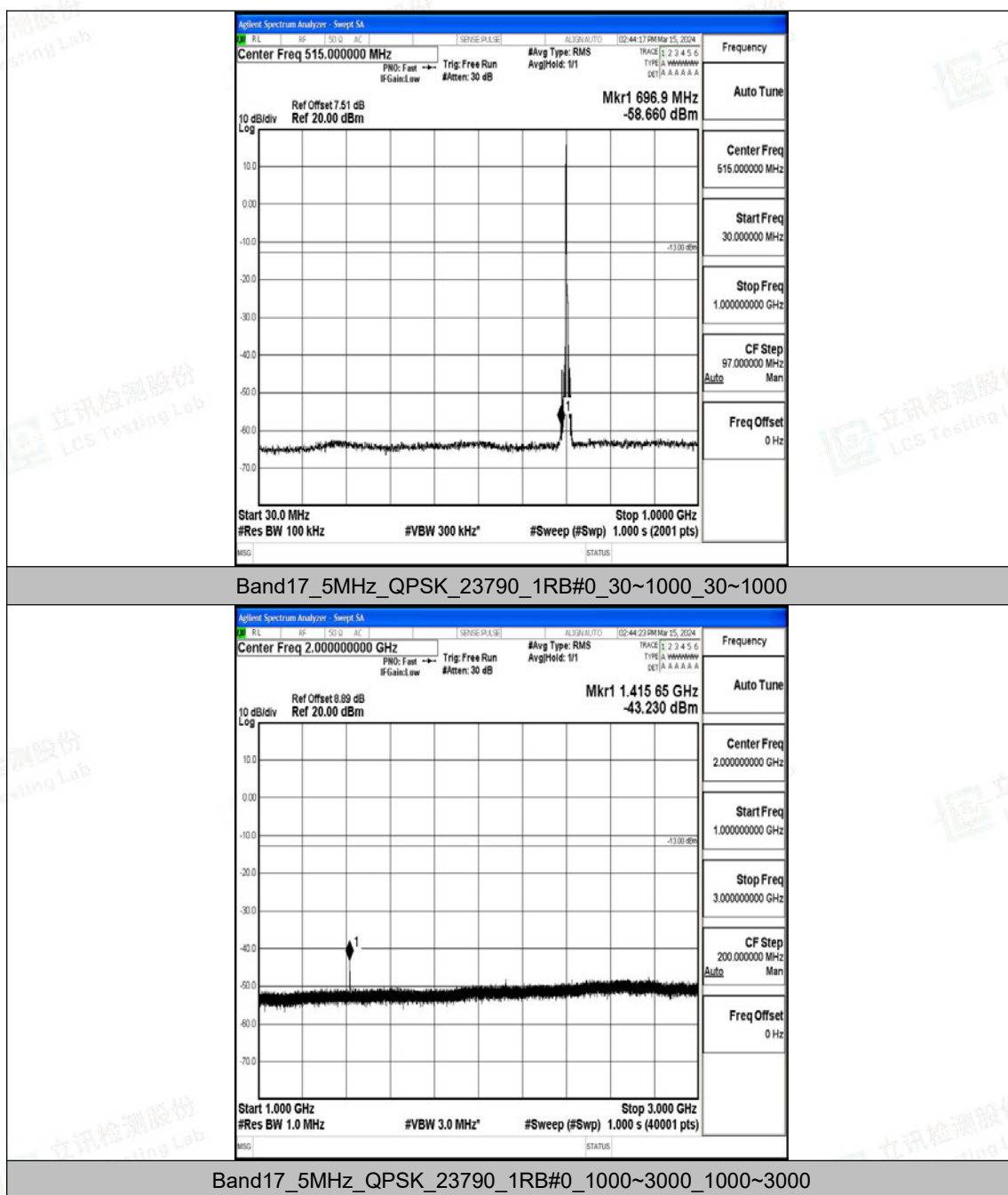


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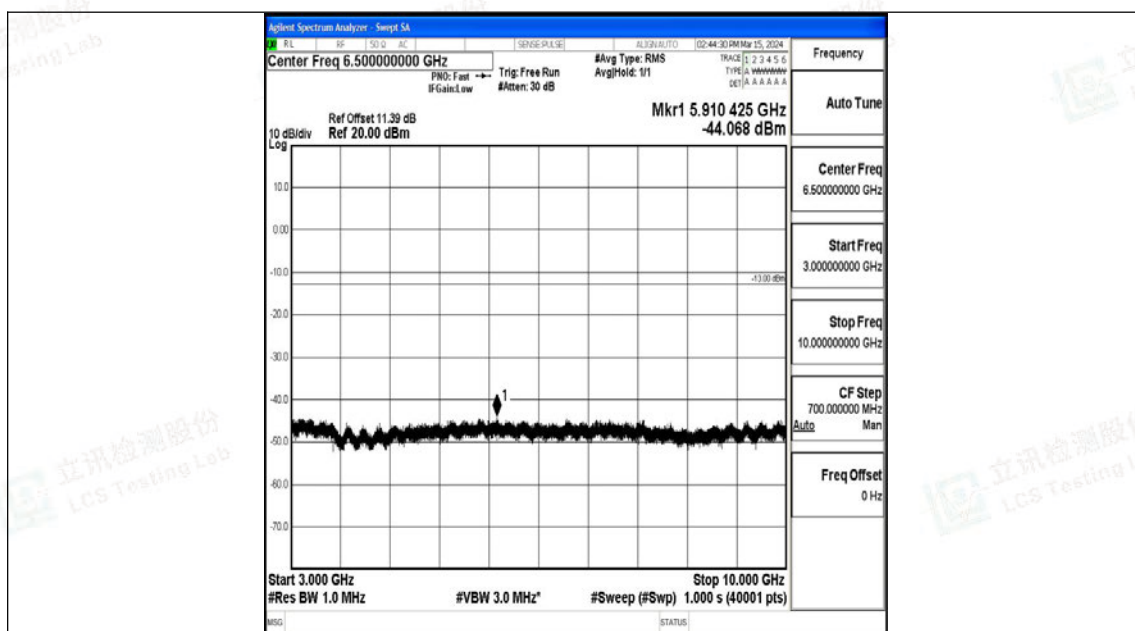


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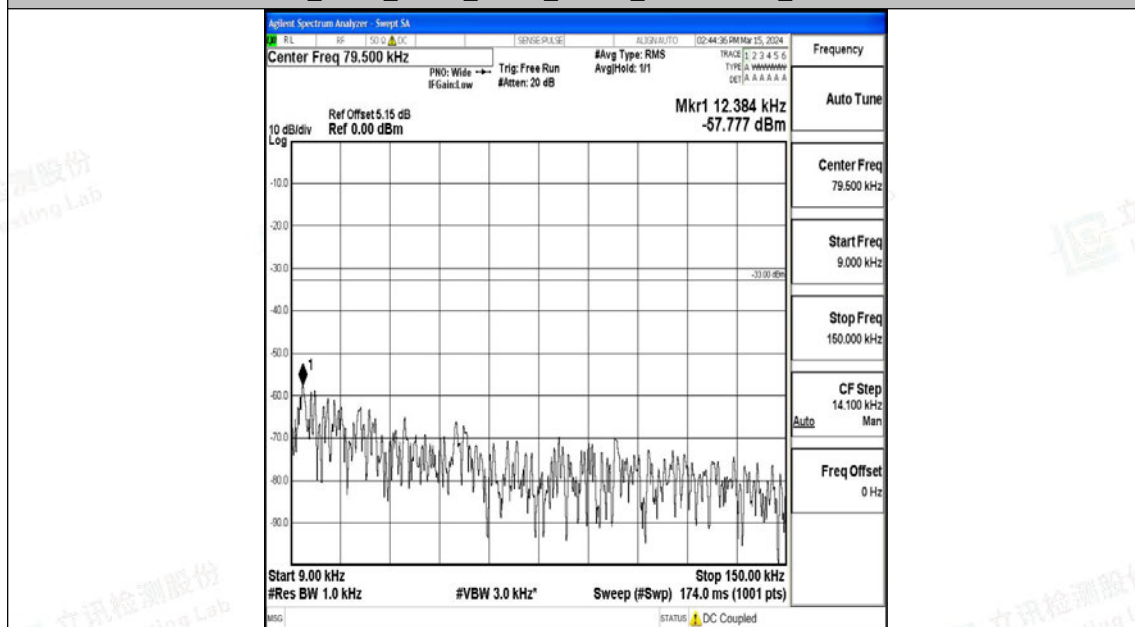
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Scan code to check authenticity



Band17_5MHz_QPSK_23790_1RB#0_3000~10000_3000~10000



Band17_5MHz_16QAM_23790_1RB#0_0.009~0.15_0.009~0.15

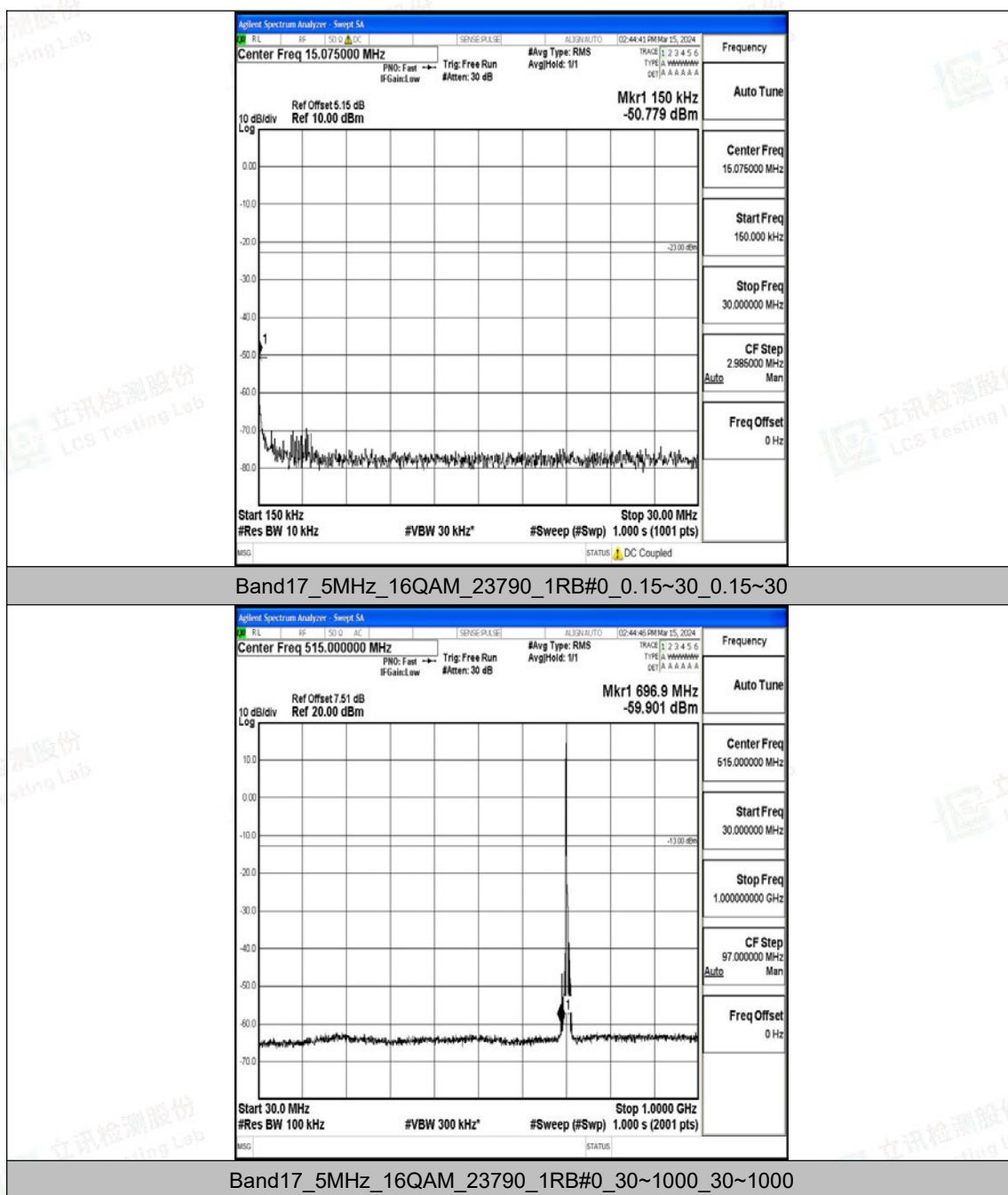


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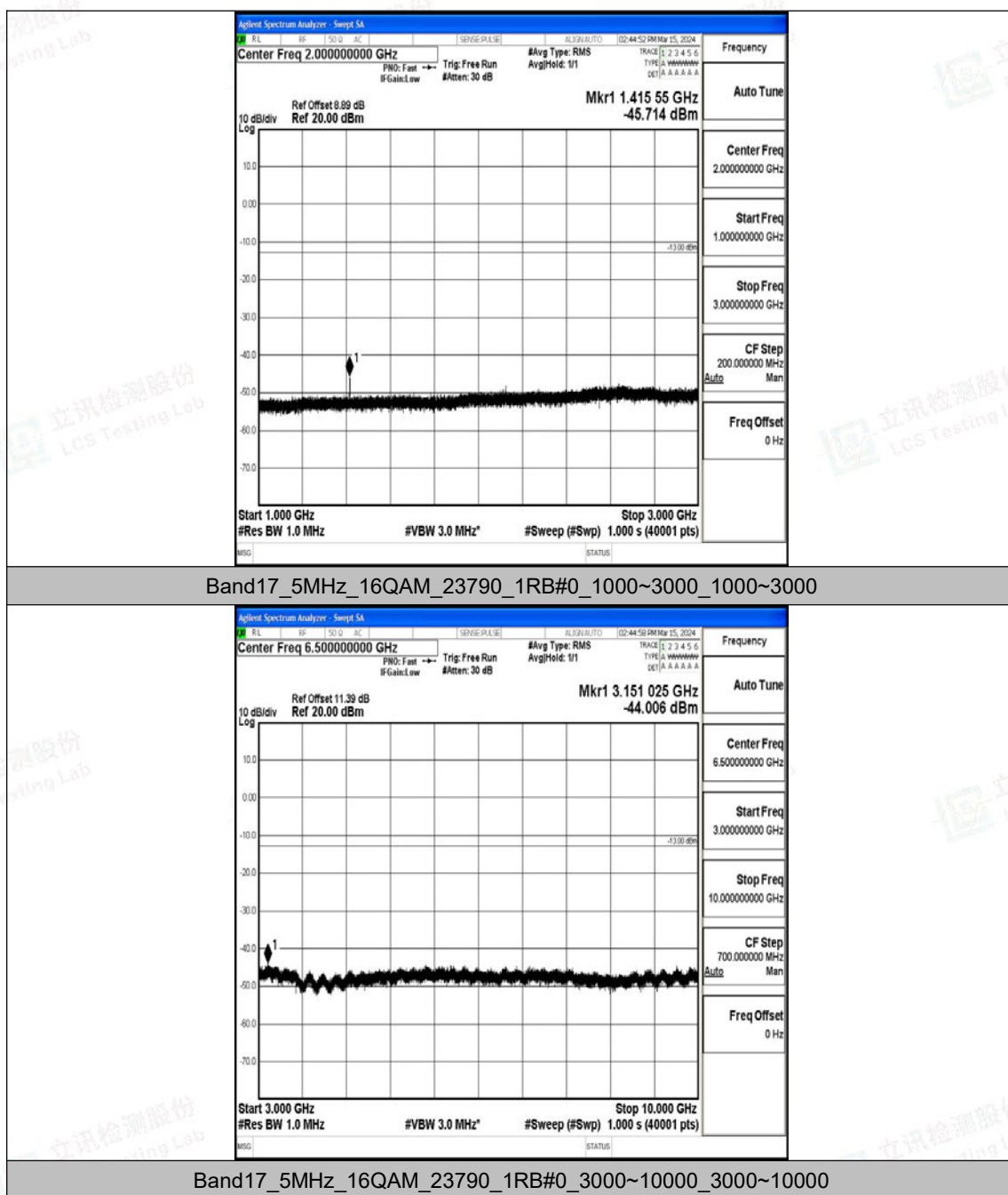


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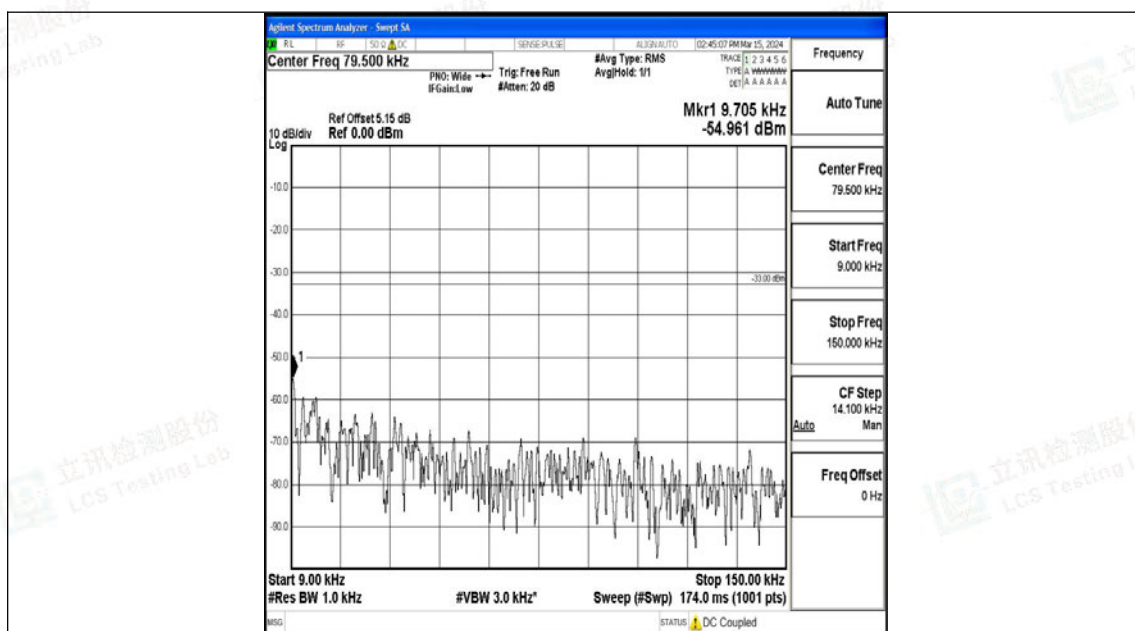


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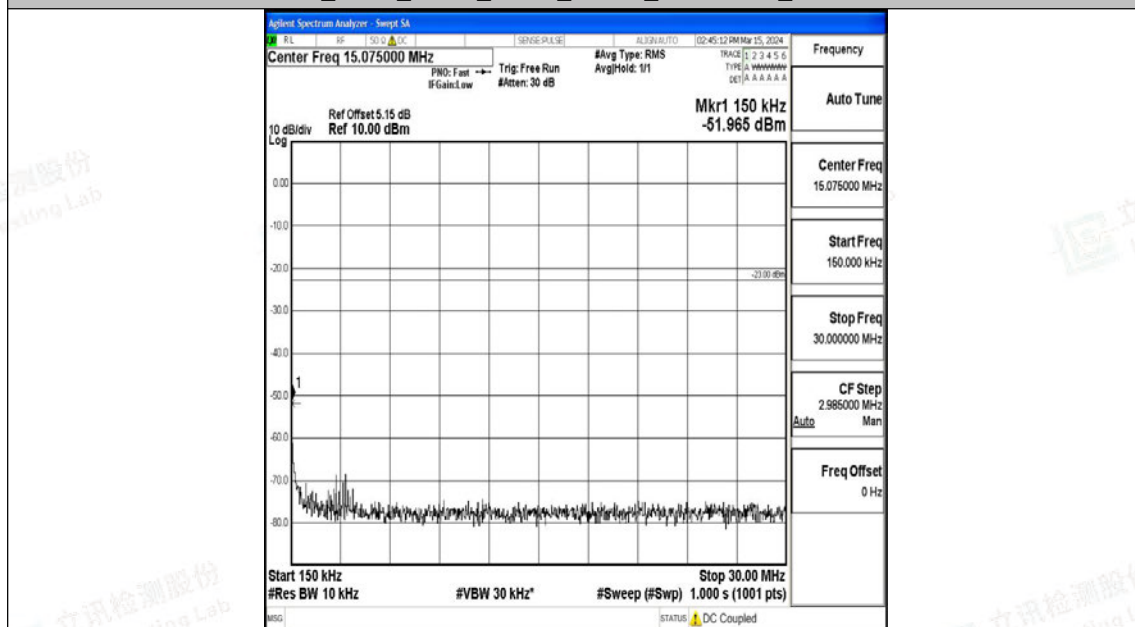
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Band17_5MHz_QPSK_23825_1RB#0_0.009~0.15_0.009~0.15



Band17_5MHz_QPSK_23825_1RB#0_0.15~30_0.15~30

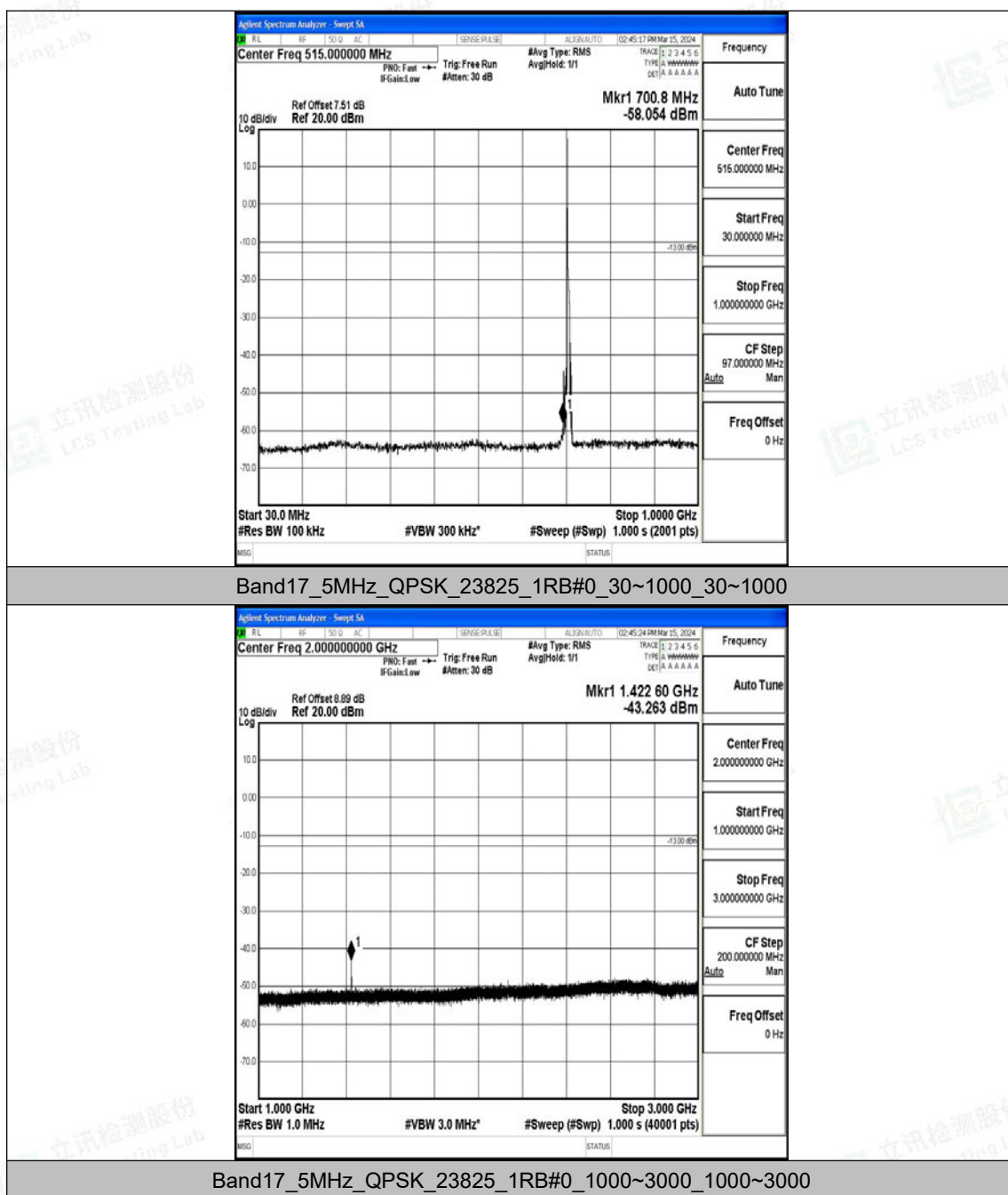


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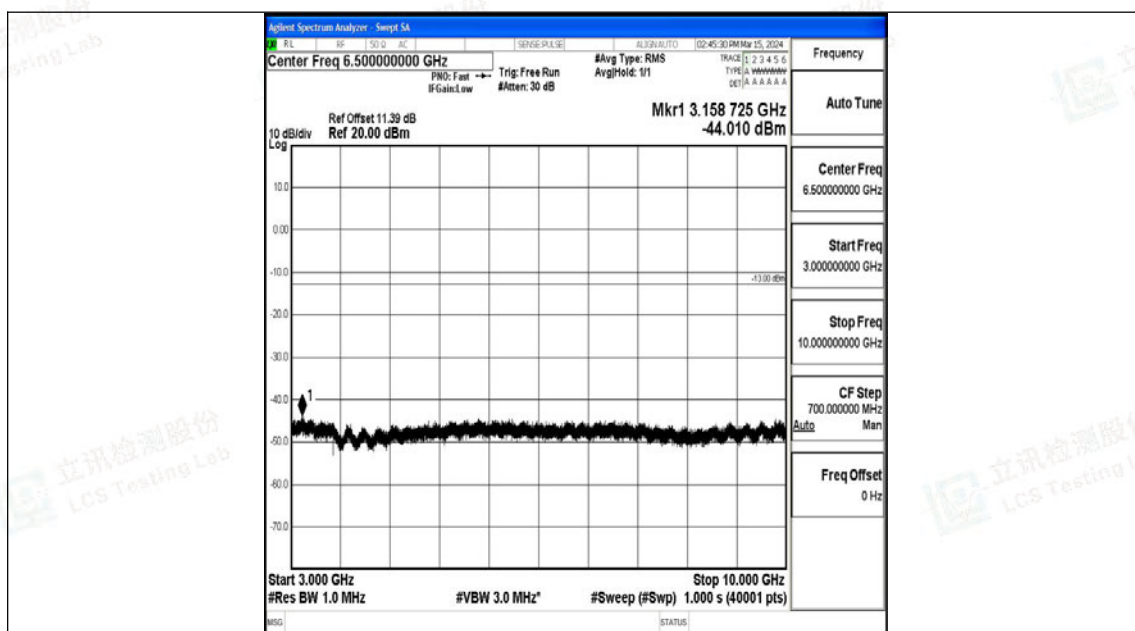


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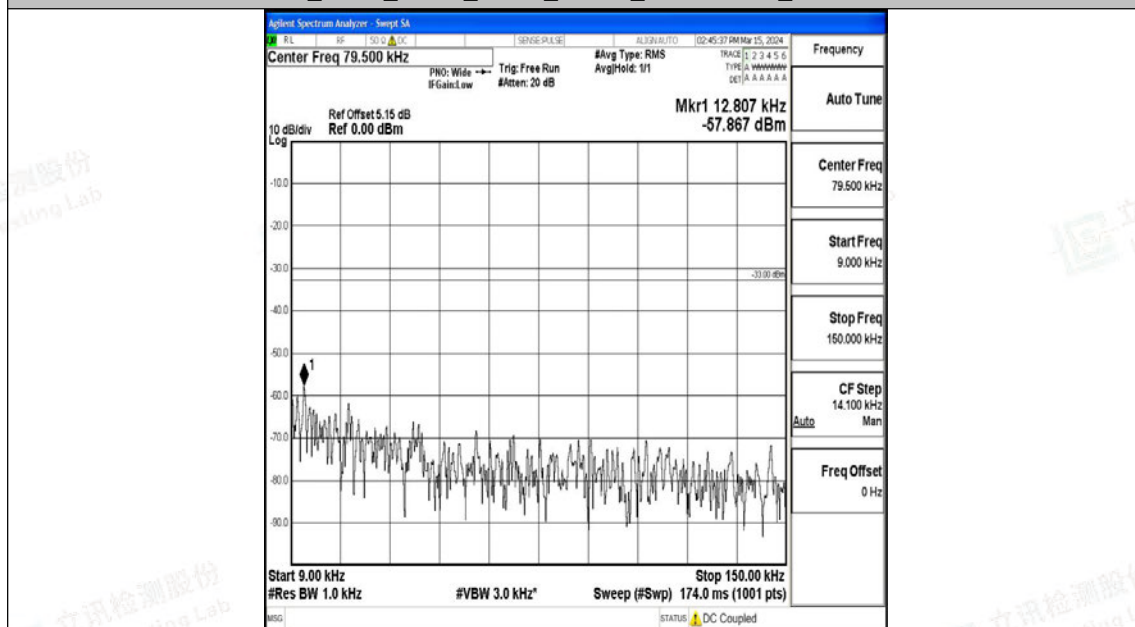
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Band17_5MHz_QPSK_23825_1RB#0_3000~10000_3000~10000



Band17_5MHz_16QAM_23825_1RB#0_0.009~0.15_0.009~0.15

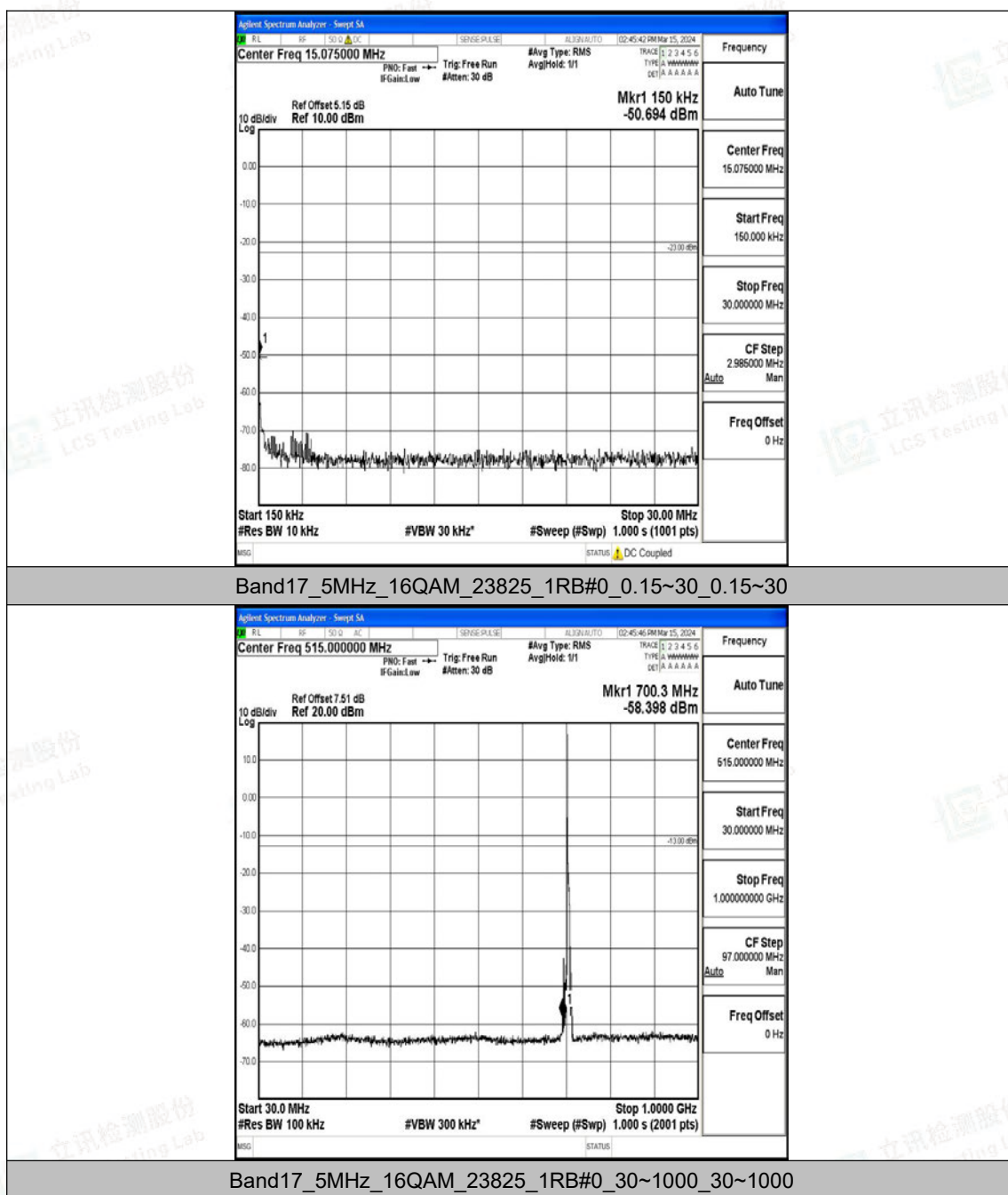


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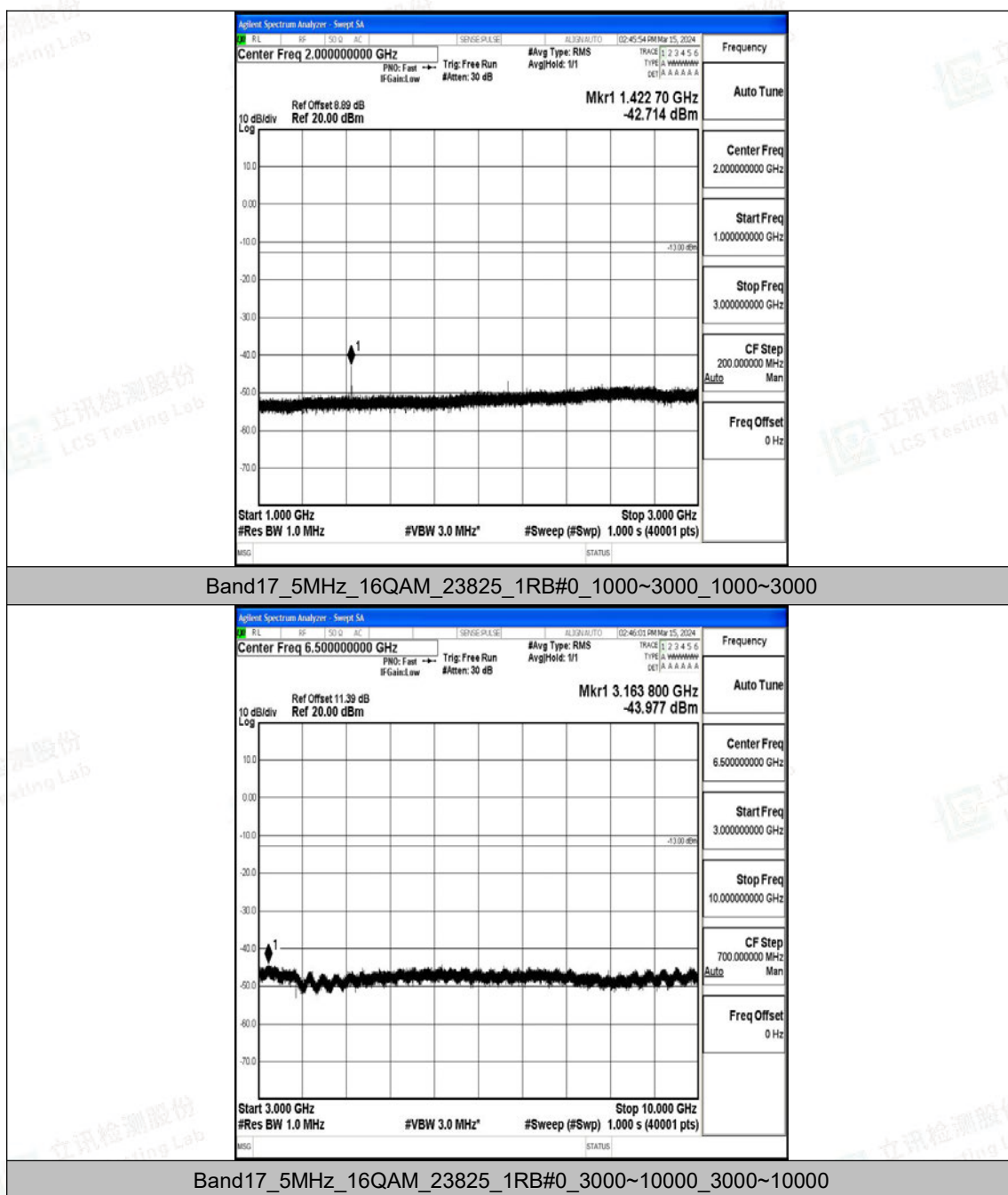


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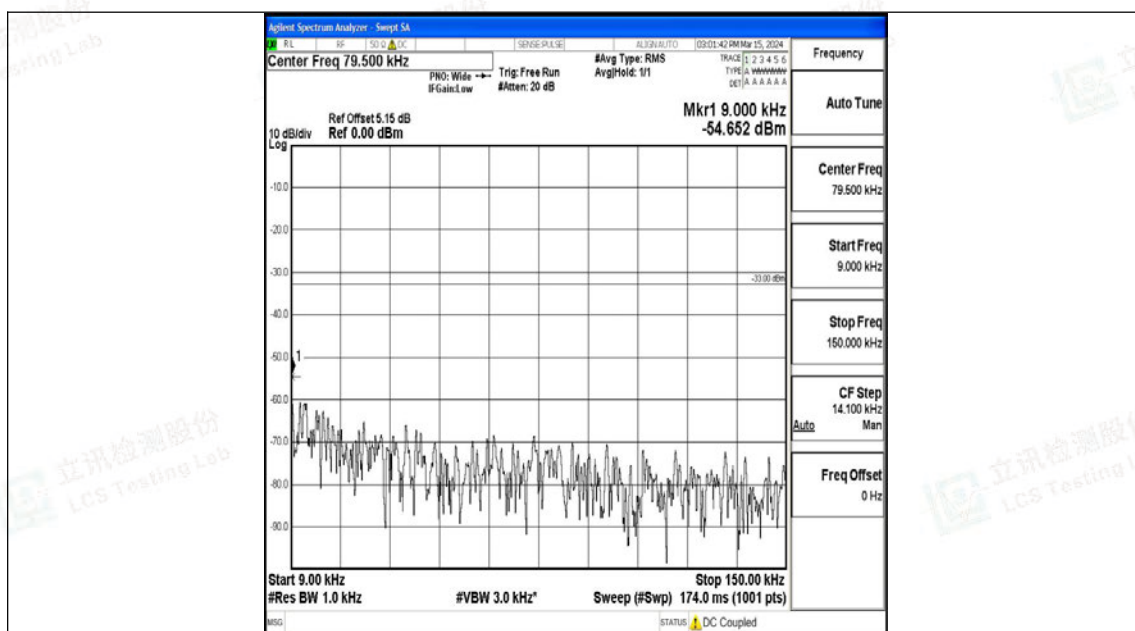


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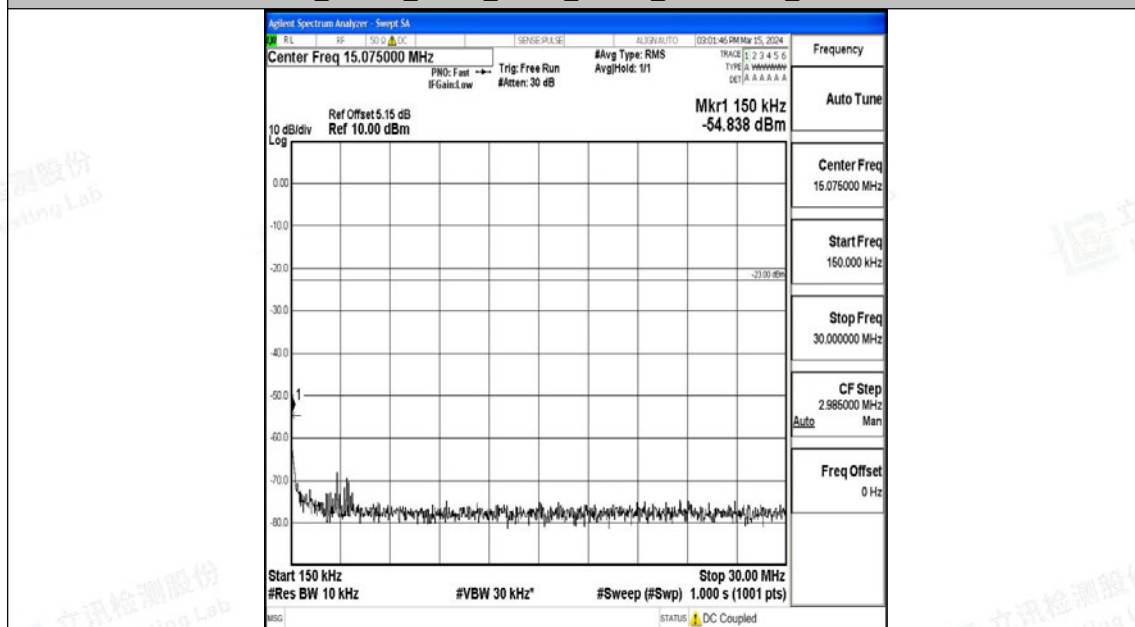
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Band17_10MHz_QPSK_23780_1RB#0_0.009~0.15_0.009~0.15



Band17_10MHz_QPSK_23780_1RB#0_0.15~30_0.15~30

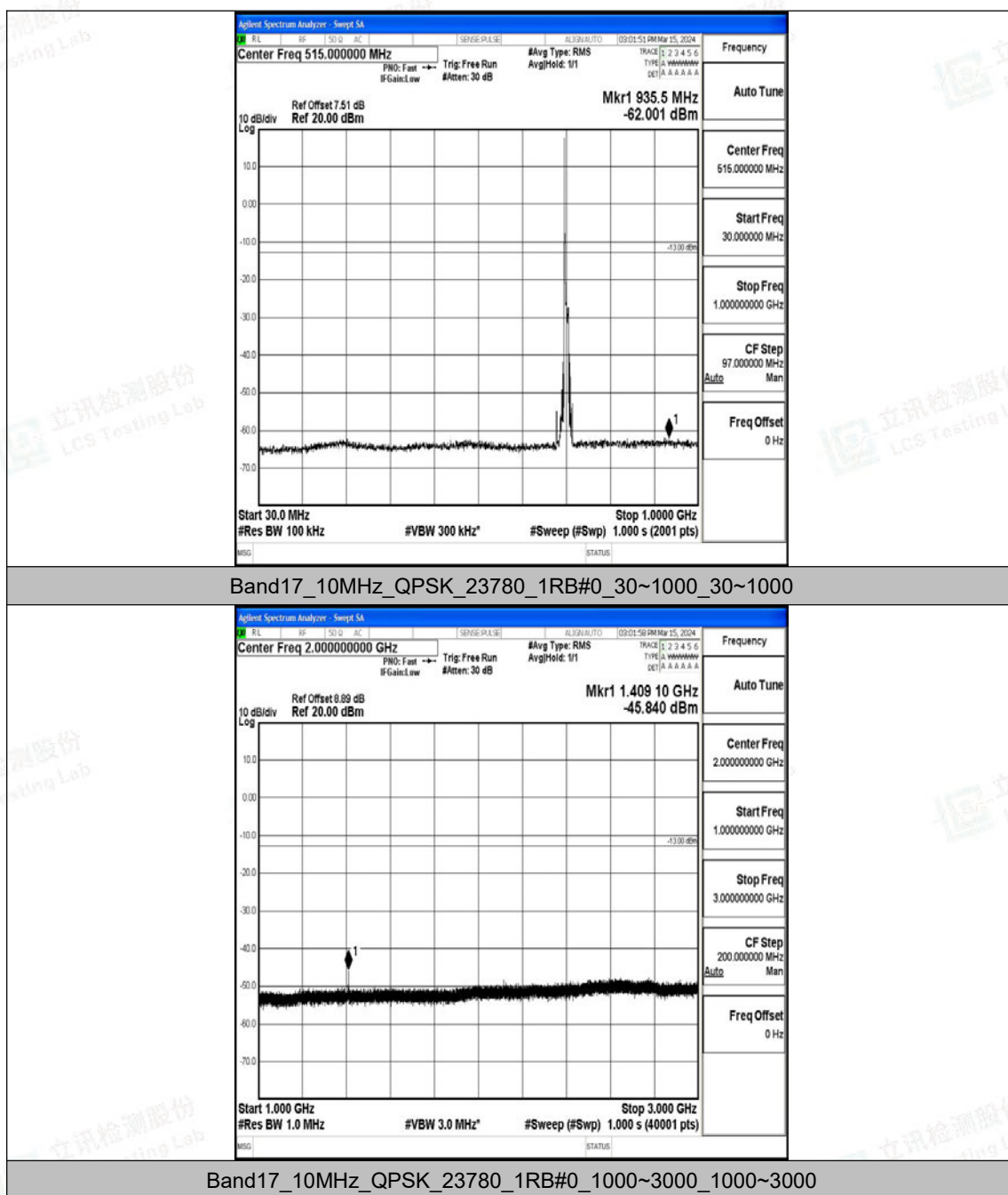


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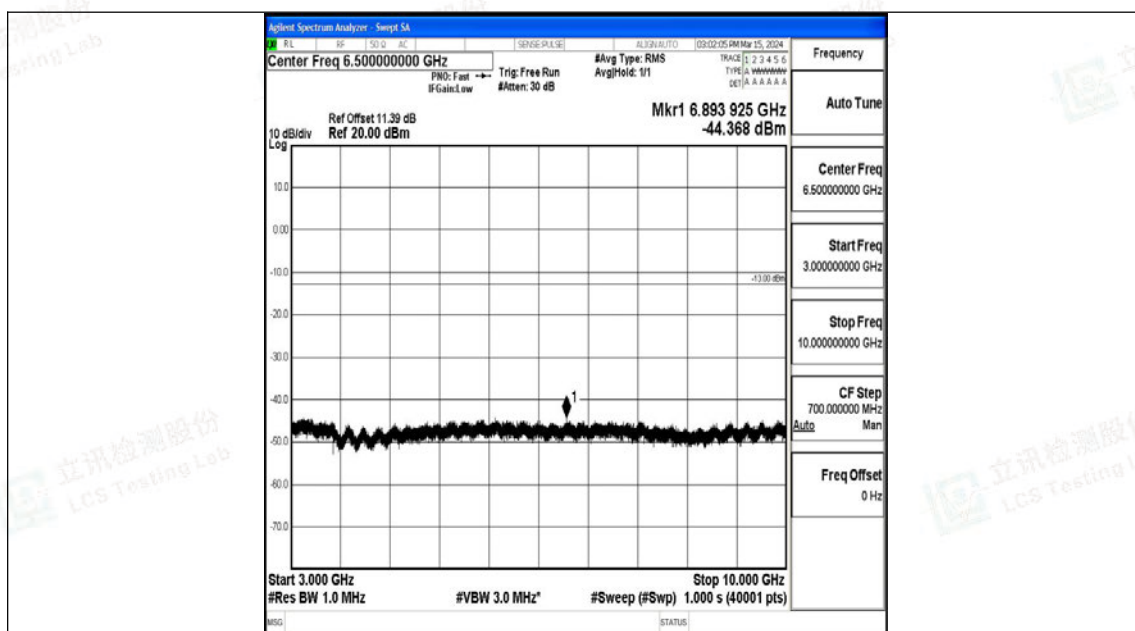


Shenzhen LCS Compliance Testing Laboratory Ltd.

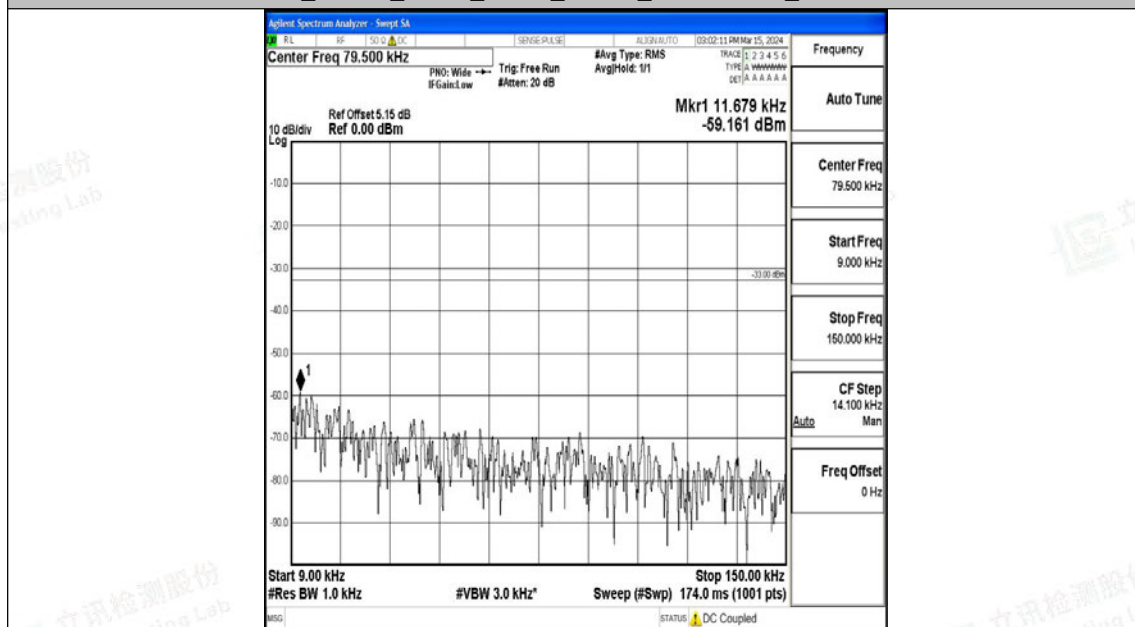
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Band17_10MHz_QPSK_23780_1RB#0_3000~10000_3000~10000



Band17_10MHz_16QAM_23780_1RB#0_0.009~0.15_0.009~0.15

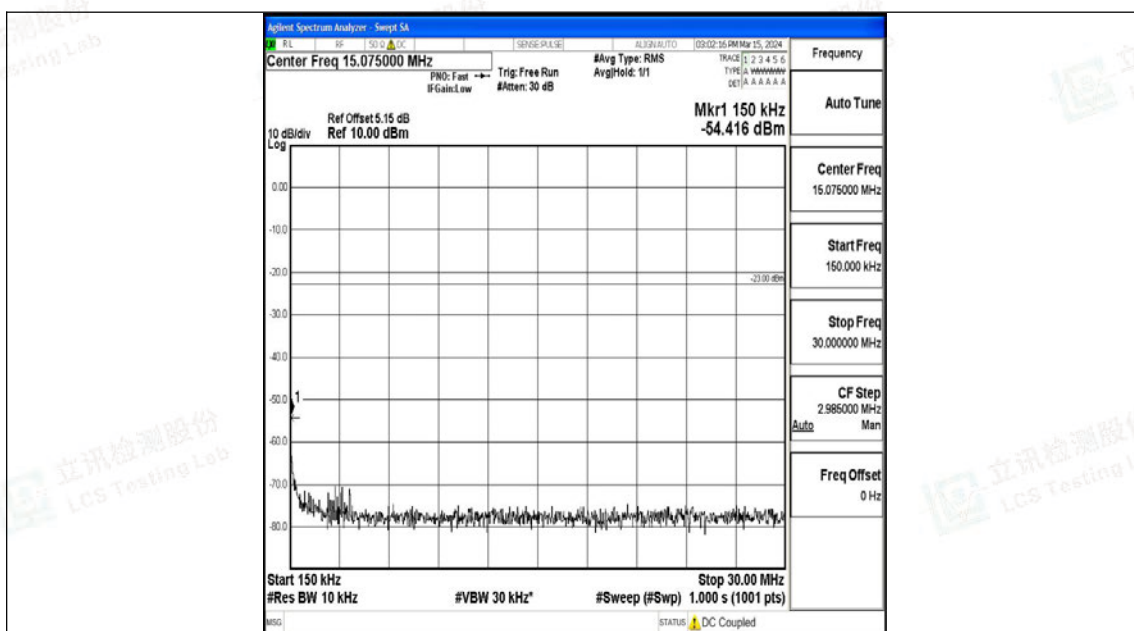


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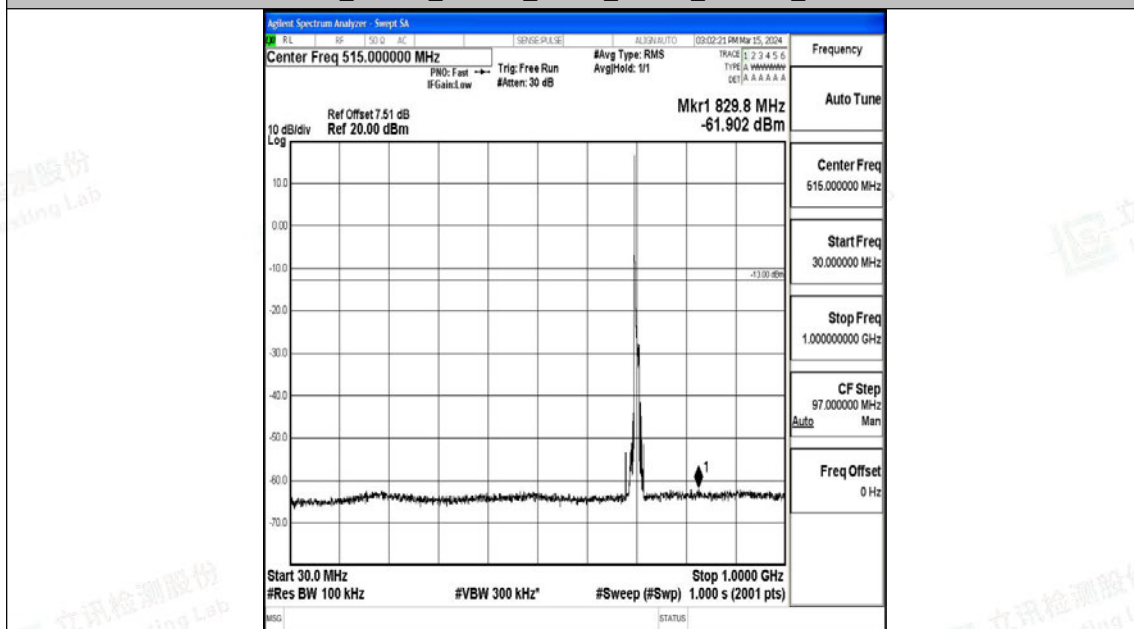
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Band17_10MHz_16QAM_23780_1RB#0_0.15~30_0.15~30



Band17_10MHz_16QAM_23780_1RB#0_30~1000_30~1000

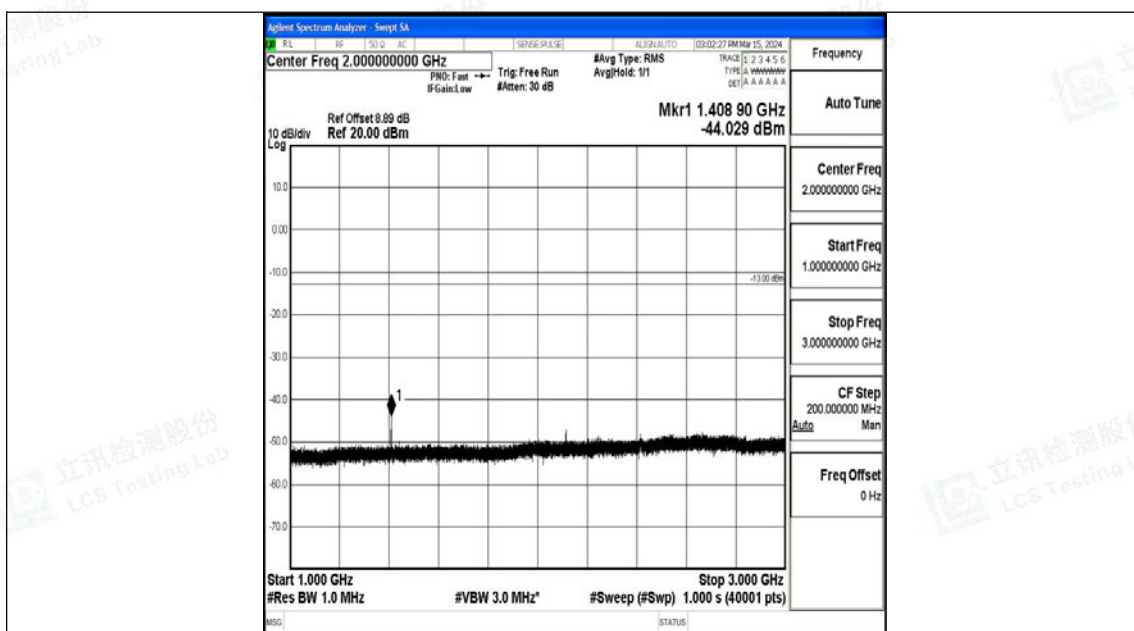


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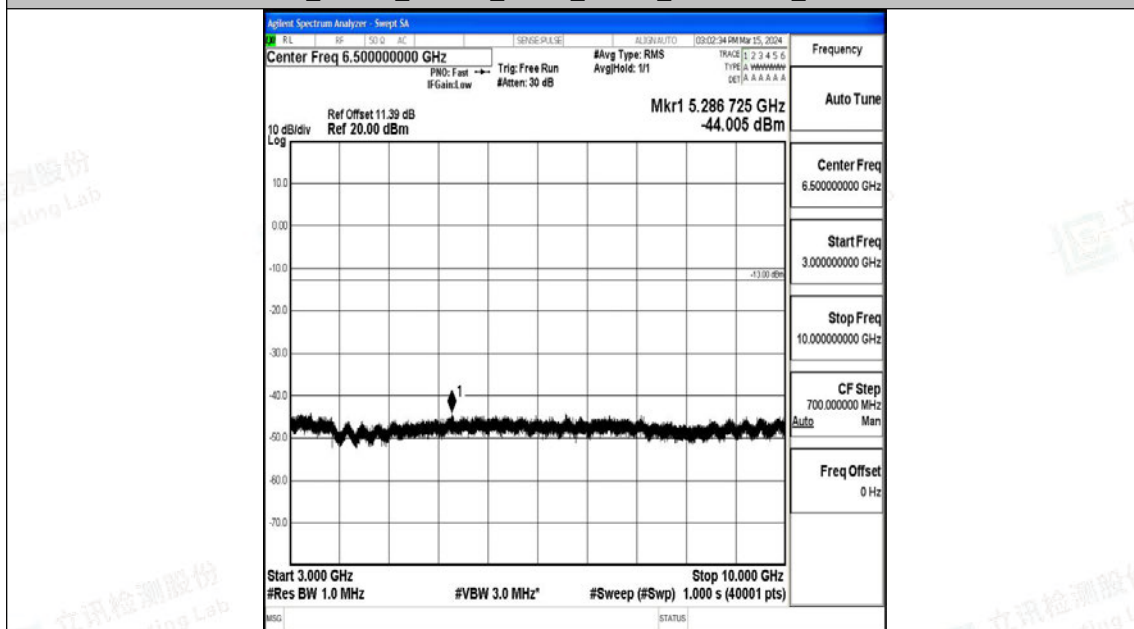
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Band17_10MHz_16QAM_23780_1RB#0_1000~3000_1000~3000



Band17_10MHz_16QAM_23780_1RB#0_3000~10000_3000~10000

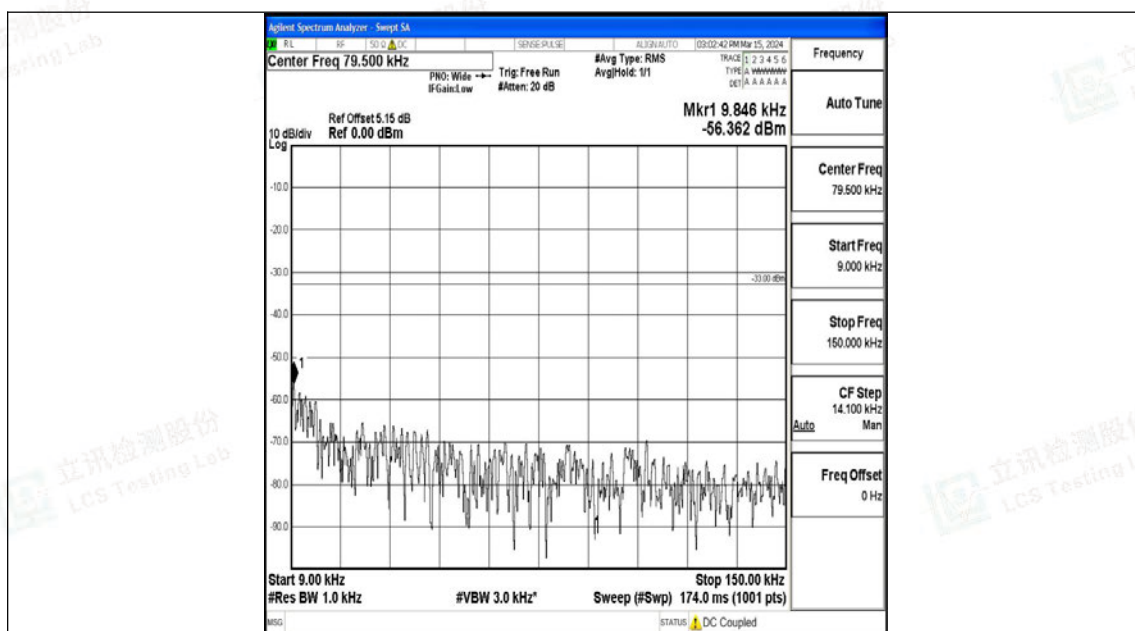


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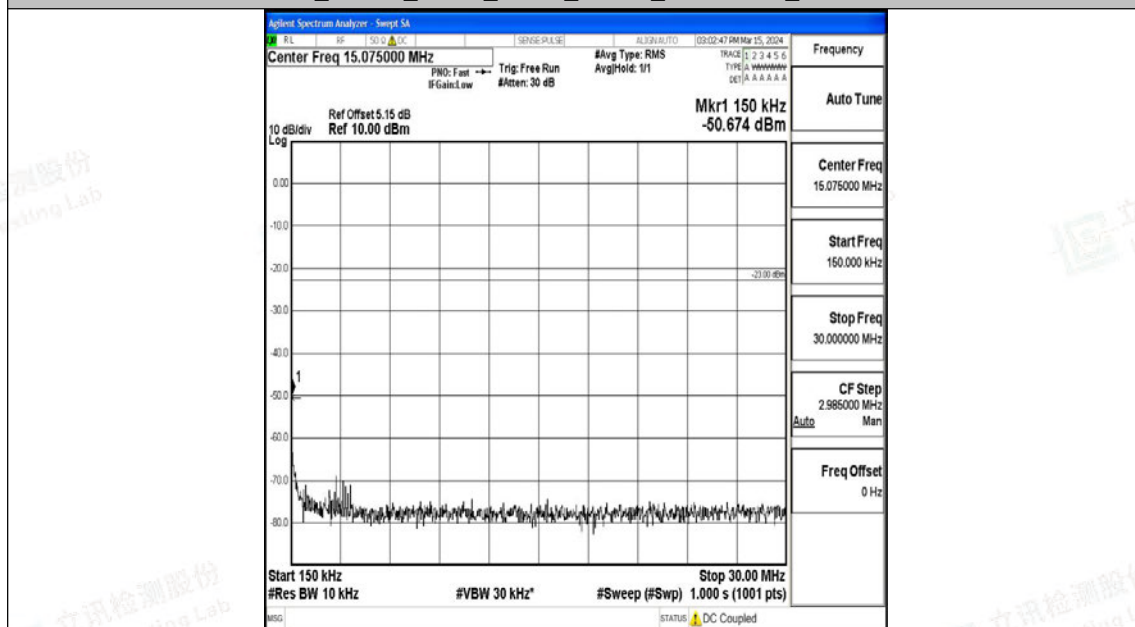
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Band17_10MHz_QPSK_23790_1RB#0_0.009~0.15_0.009~0.15



Band17_10MHz_QPSK_23790_1RB#0_0.15~30_0.15~30

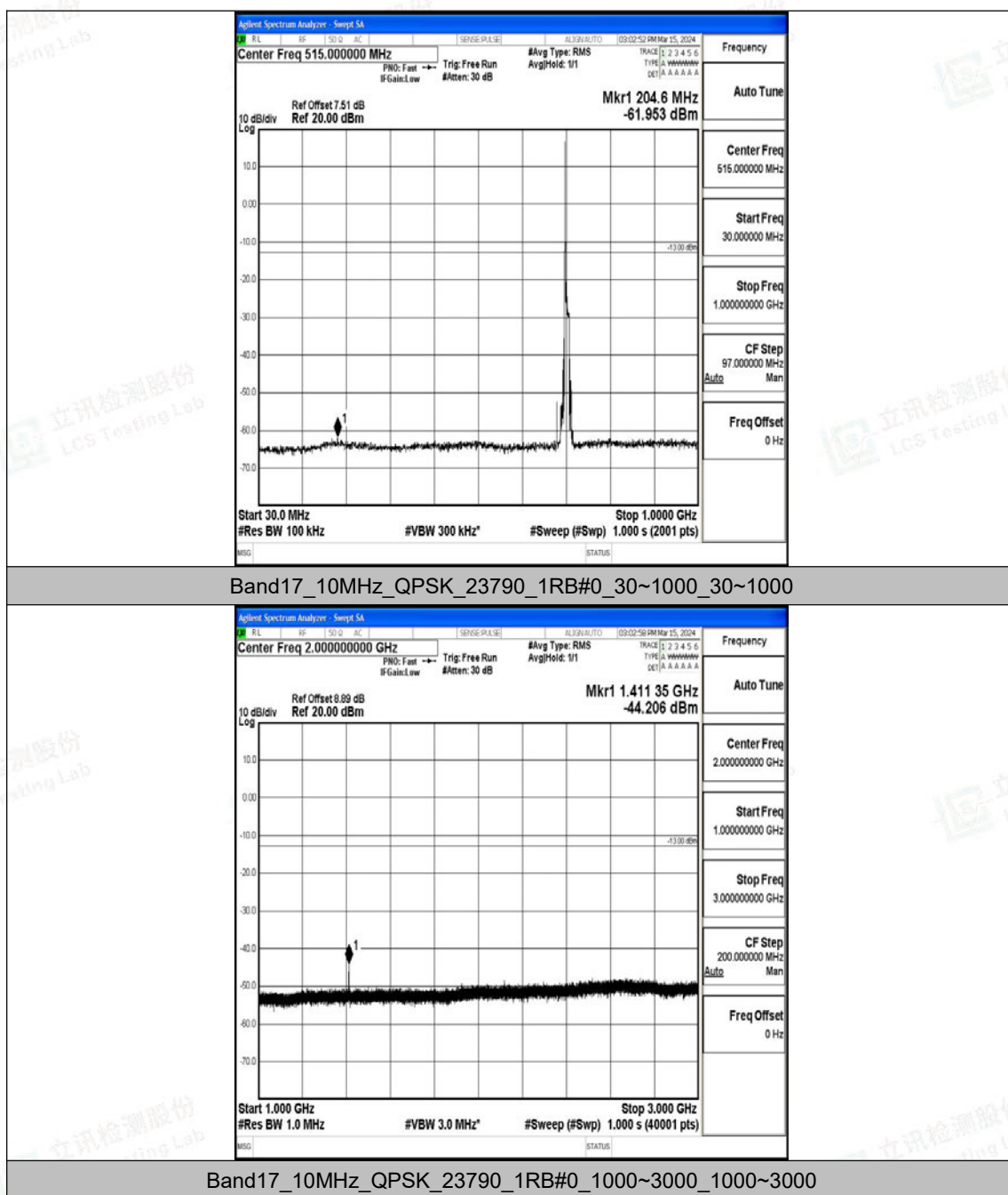


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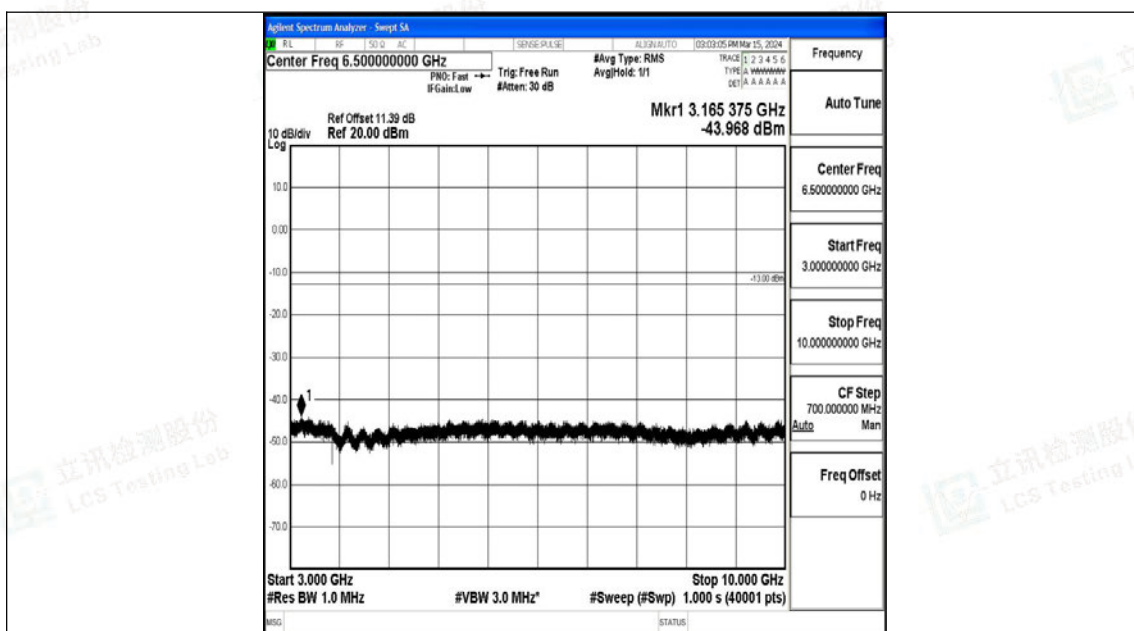


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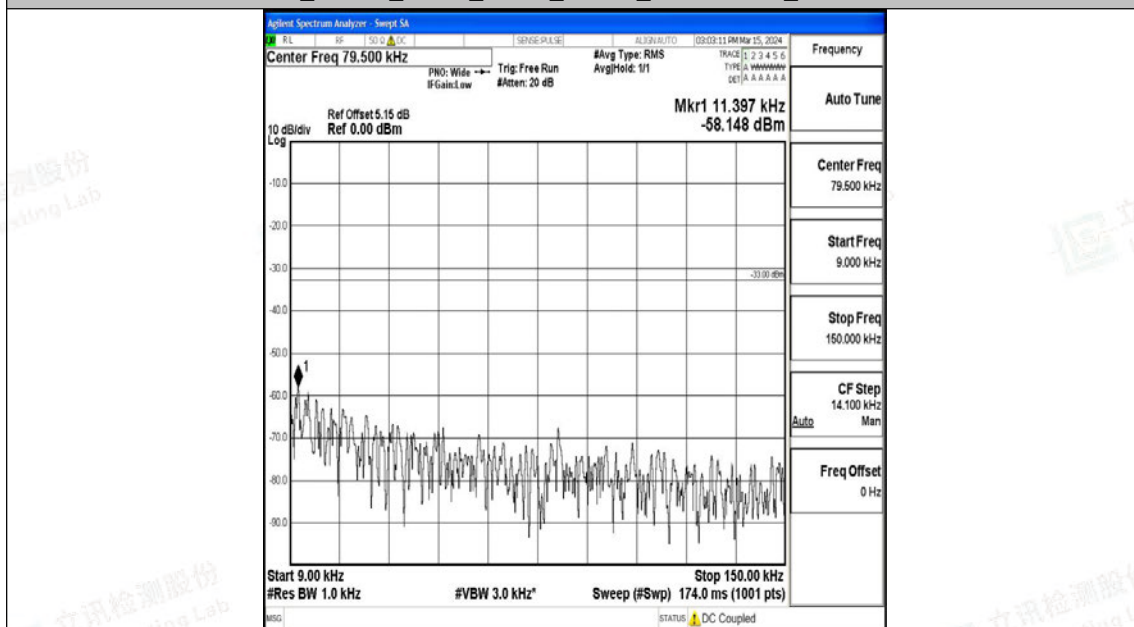
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Band17_10MHz_QPSK_23790_1RB#0_3000~10000_3000~10000



Band17_10MHz_16QAM_23790_1RB#0_0.009~0.15_0.009~0.15

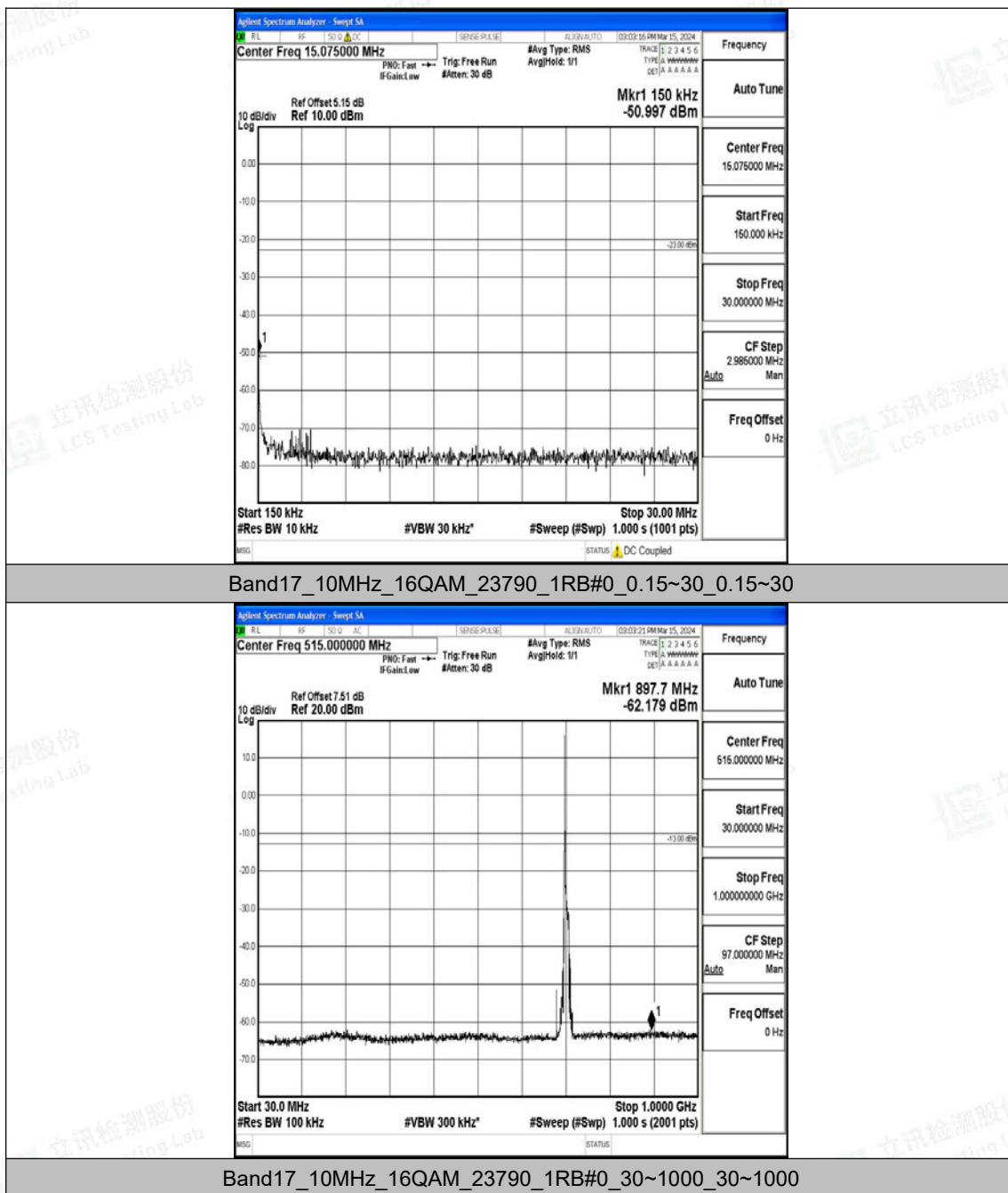


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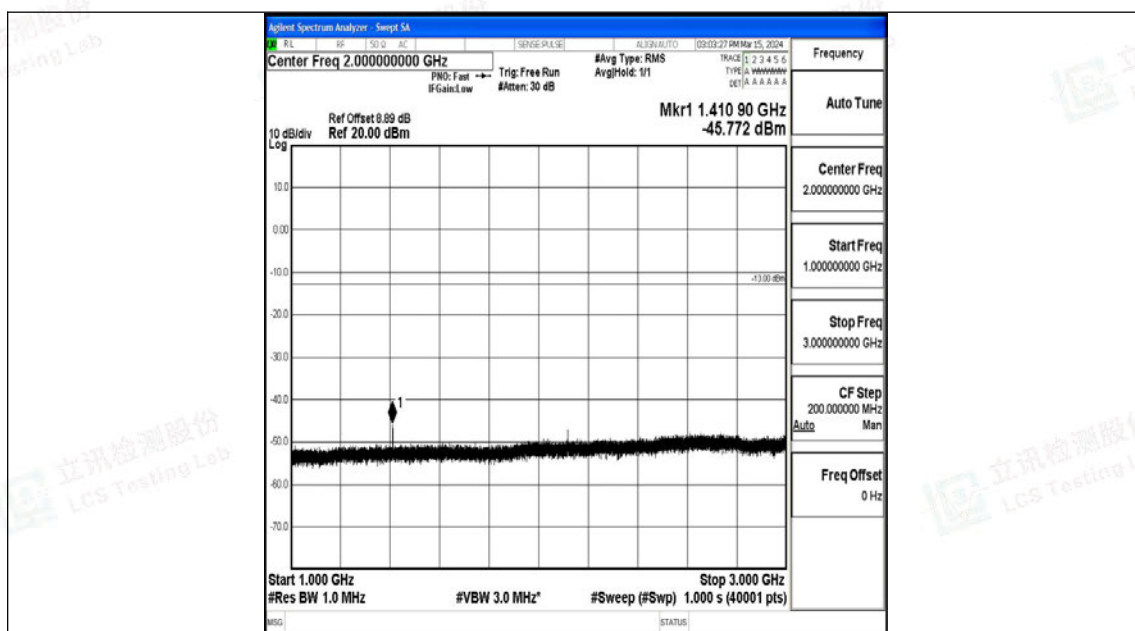


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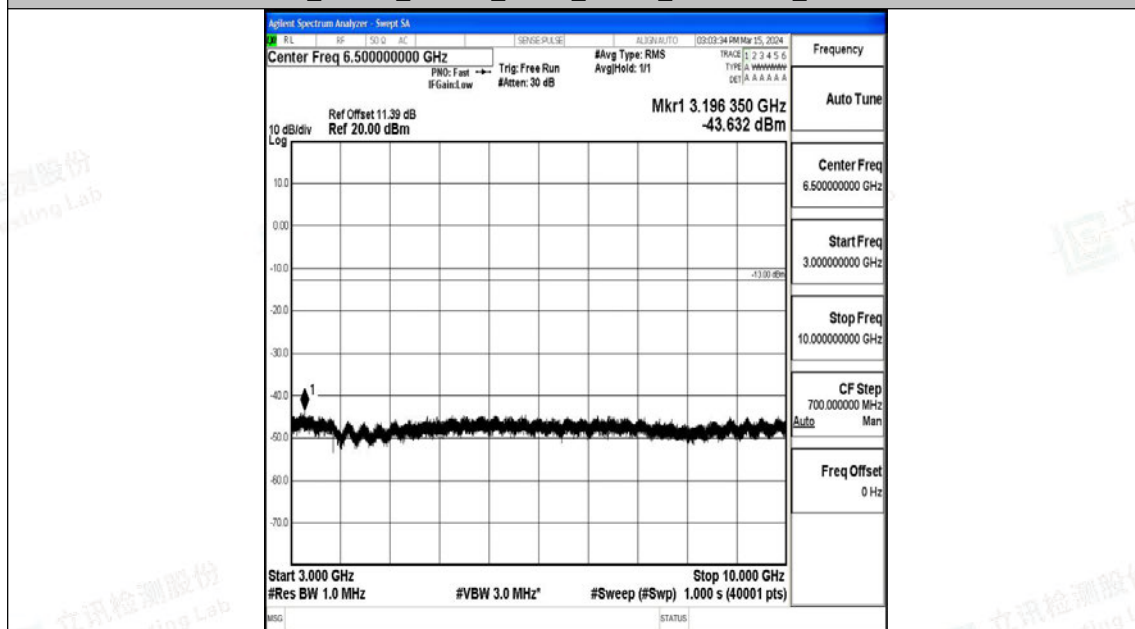
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Band17_10MHz_16QAM_23790_1RB#0_1000~3000_1000~3000



Band17_10MHz_16QAM_23790_1RB#0_3000~10000_3000~10000

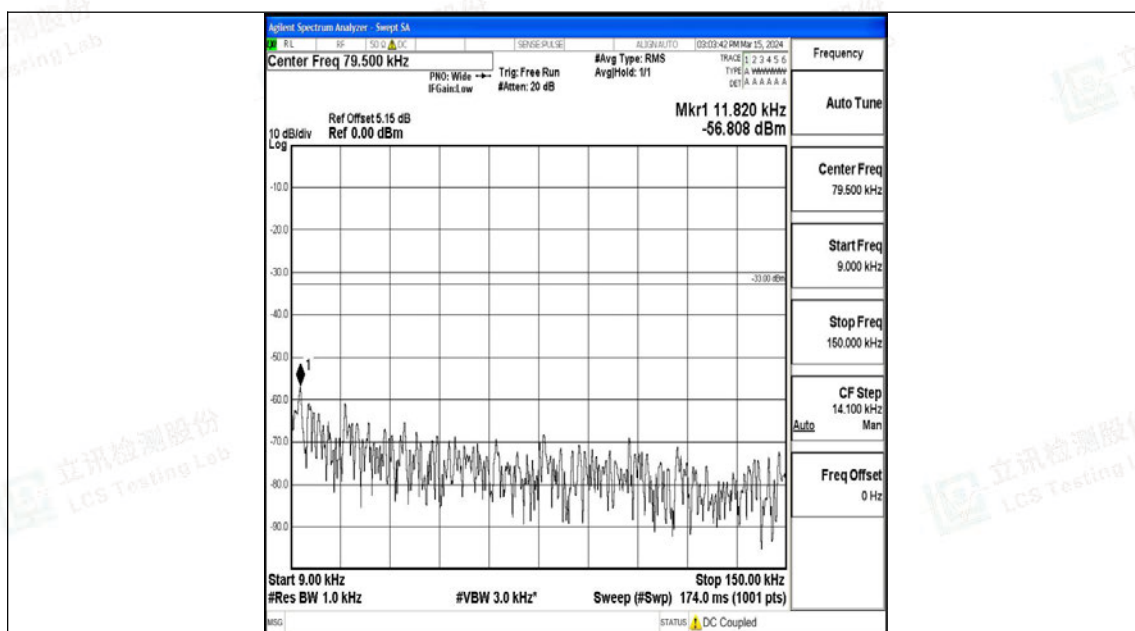


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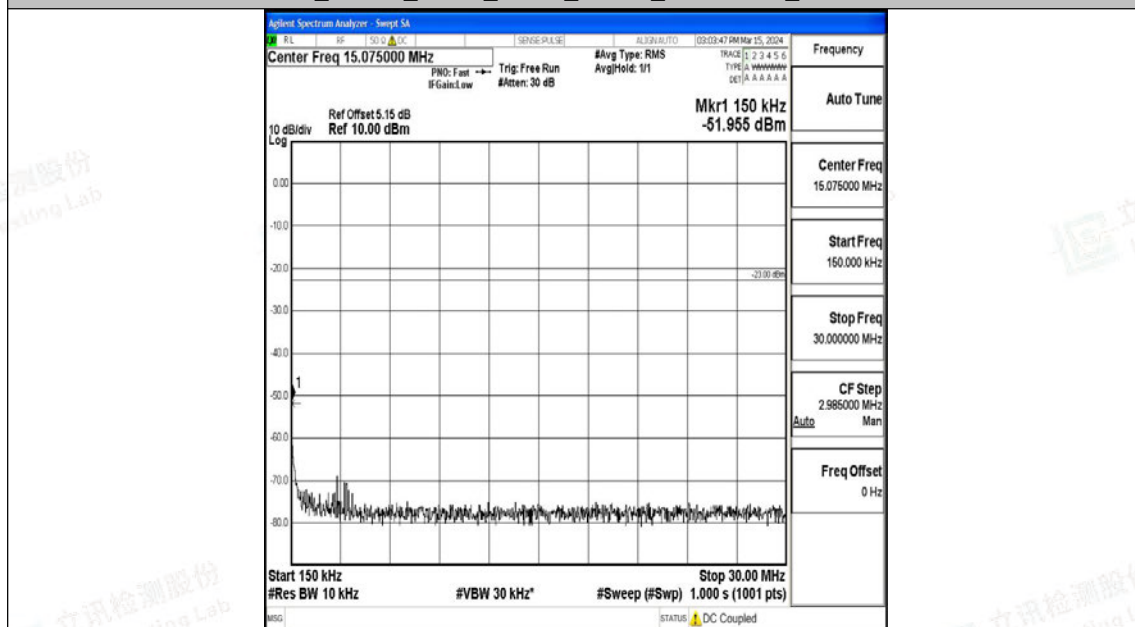
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Band17_10MHz_QPSK_23800_1RB#0_0.009~0.15_0.009~0.15



Band17_10MHz_QPSK_23800_1RB#0_0.15~30_0.15~30

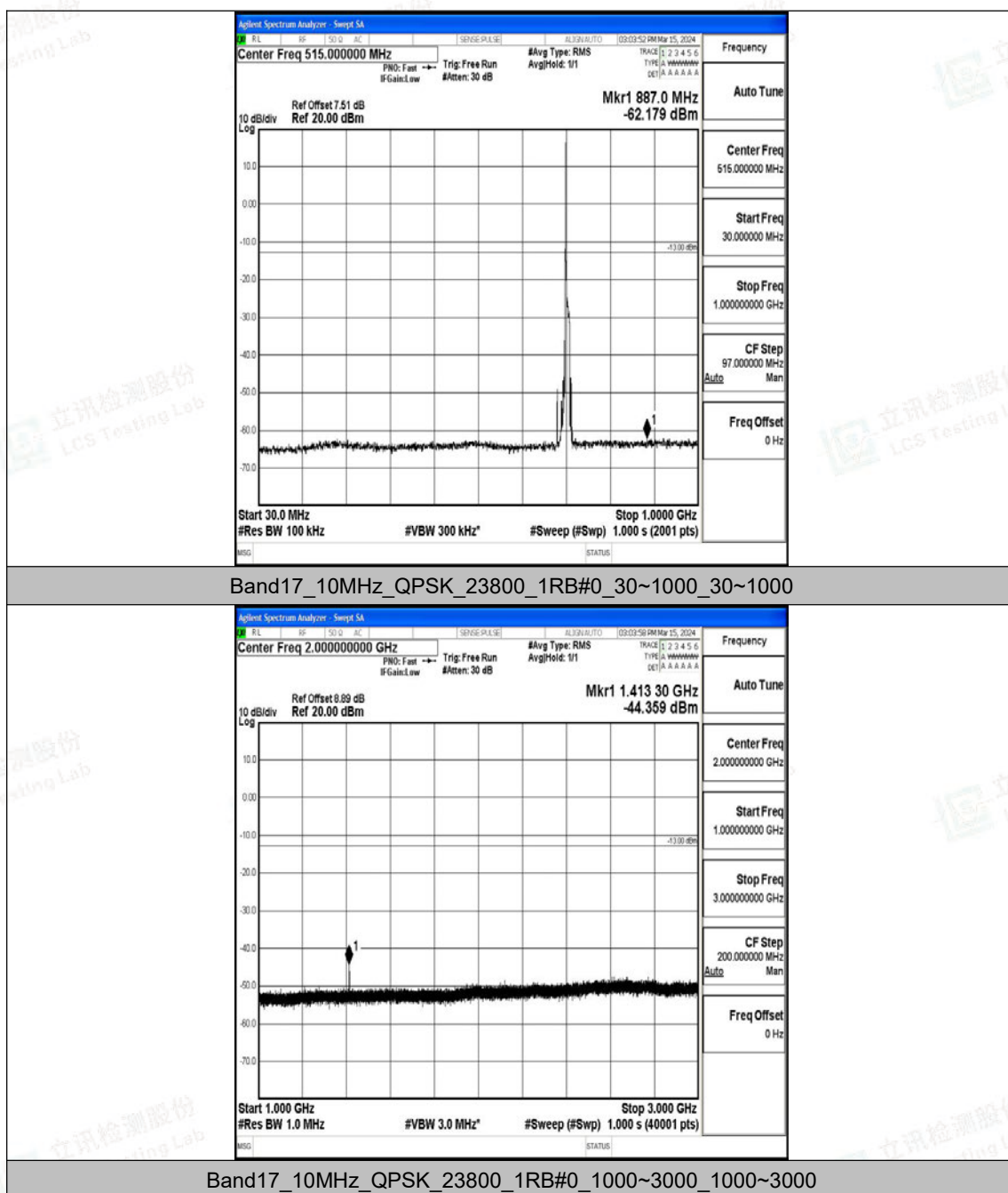


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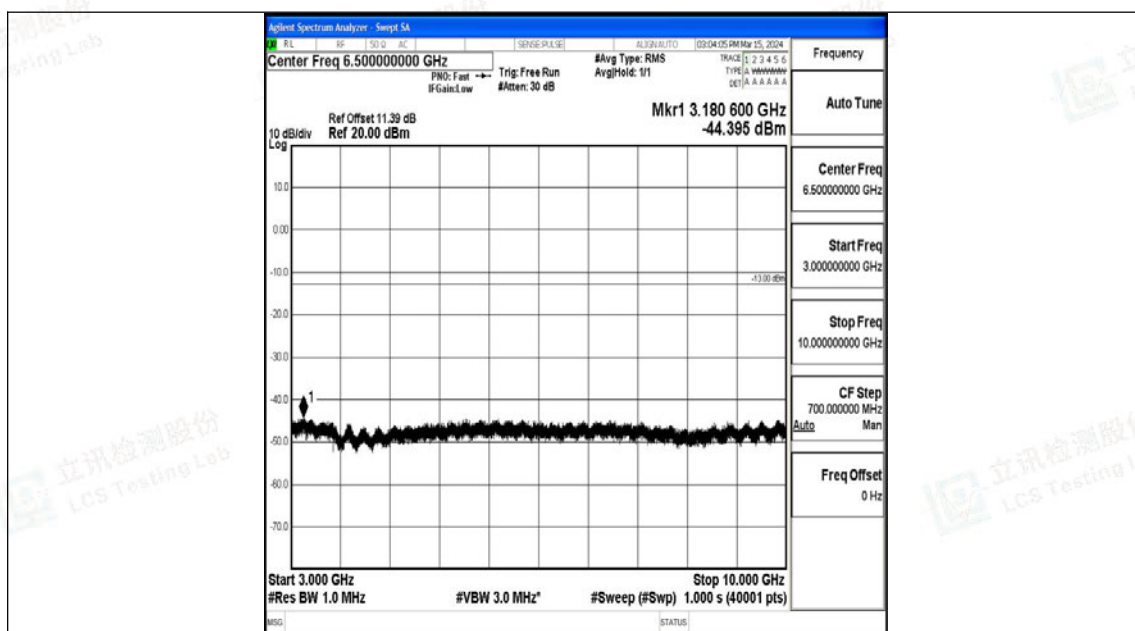


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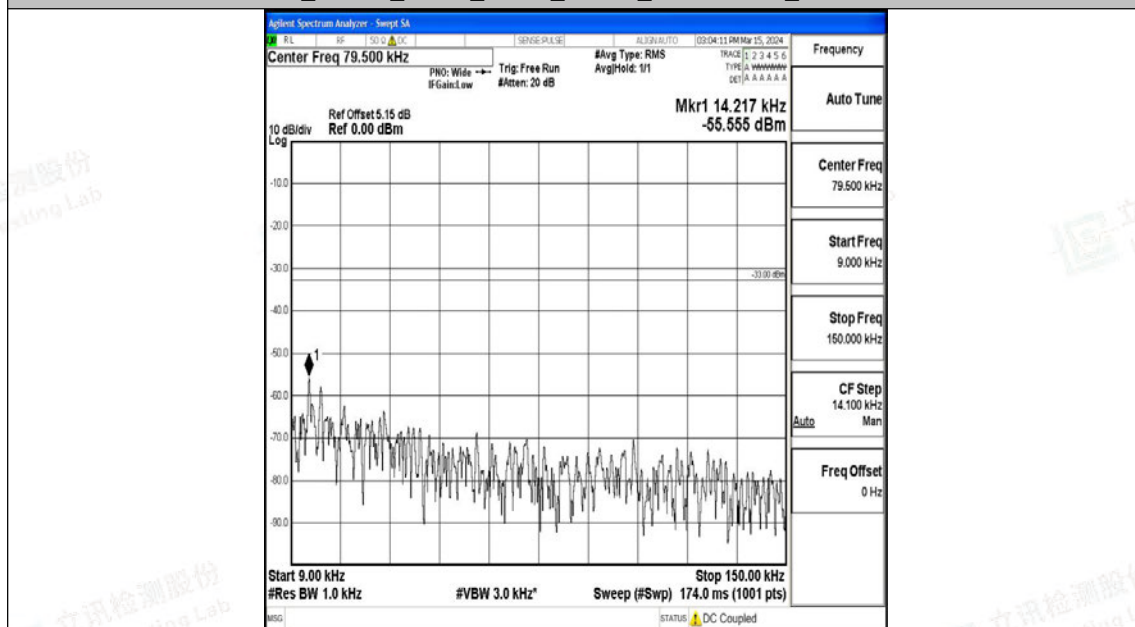
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Band17_10MHz_QPSK_23800_1RB#0_3000~10000_3000~10000



Band17_10MHz_16QAM_23800_1RB#0_0.009~0.15_0.009~0.15

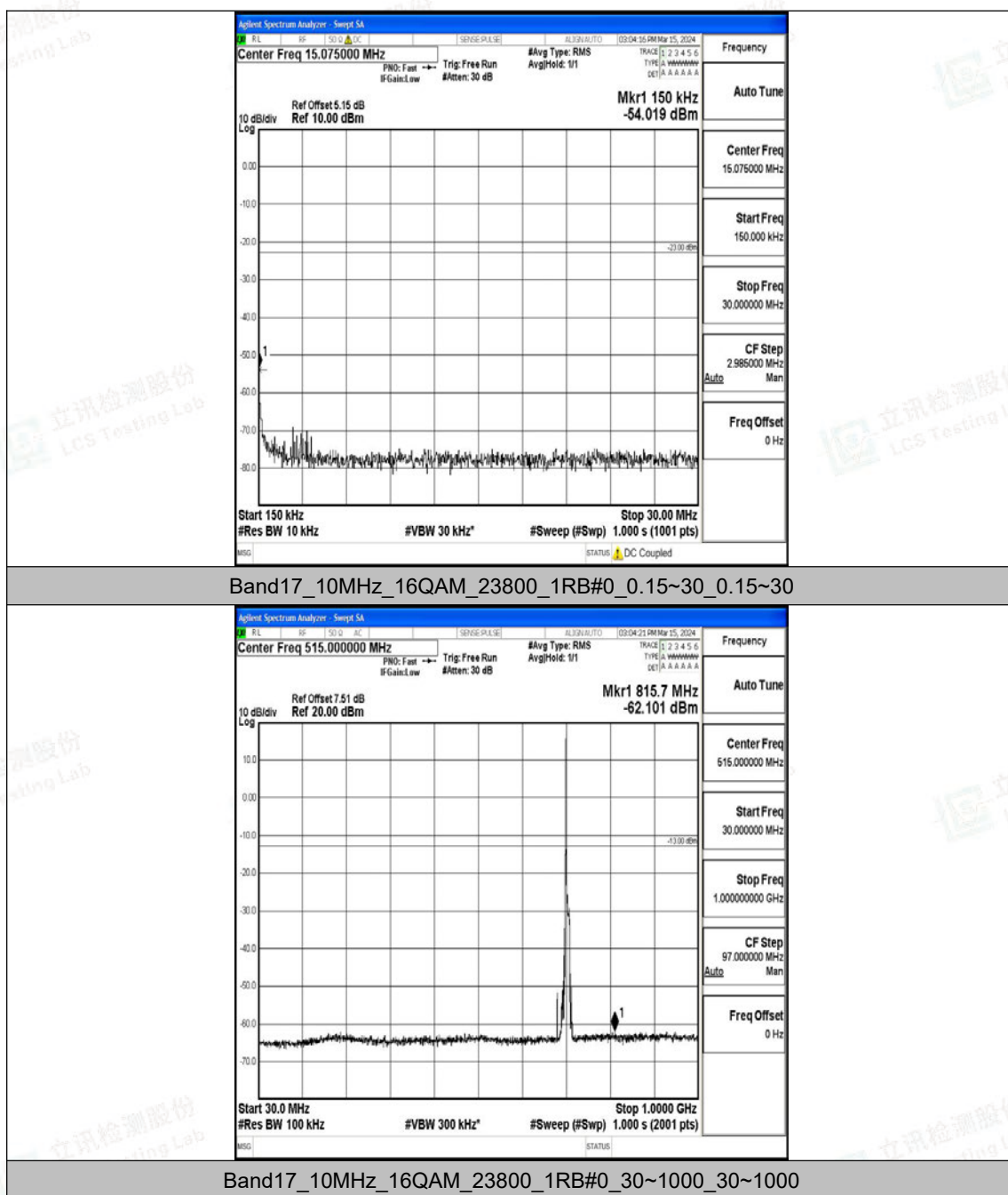


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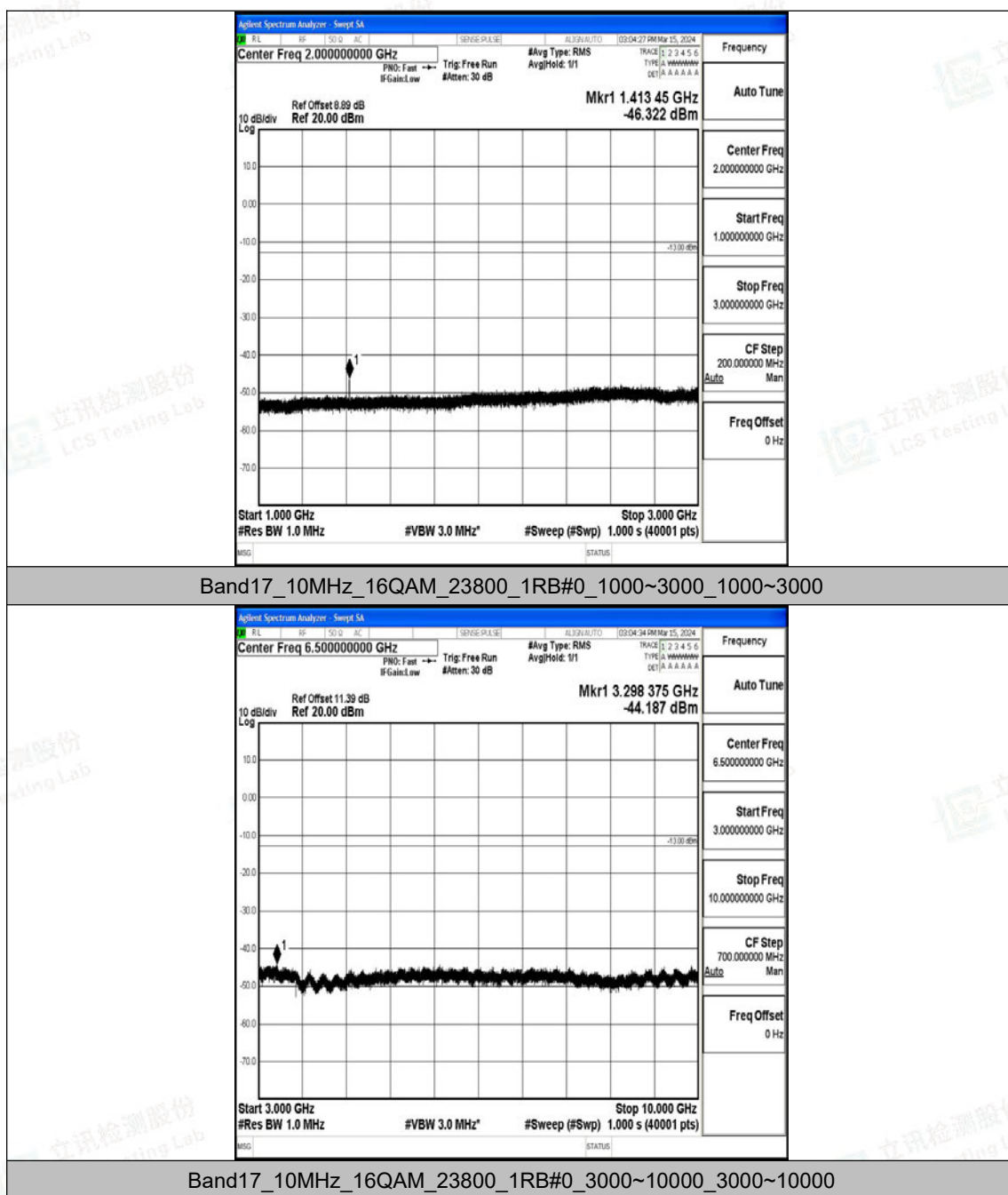


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