



Appendix L: Test Data for E-UTRA Band 17

Product Name: DAKT-50

Test Model: DAKT-50

Environmental Conditions

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





L.1 Conducted Output Power Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band17	5MHz	QPSK	23755	1RB#0	24.88	PASS
Band17	5MHz	16QAM	23755	1RB#0	22.72	PASS
Band17	5MHz	QPSK	23755	1RB#12	24.91	PASS
Band17	5MHz	16QAM	23755	1RB#12	22.74	PASS
Band17	5MHz	QPSK	23755	1RB#24	24.73	PASS
Band17	5MHz	16QAM	23755	1RB#24	22.84	PASS
Band17	5MHz	QPSK	23755	12RB#0	23.56	PASS
Band17	5MHz	16QAM	23755	12RB#0	22.95	PASS
Band17	5MHz	QPSK	23755	12RB#6	23.55	PASS
Band17	5MHz	16QAM	23755	12RB#6	22.94	PASS
Band17	5MHz	QPSK	23755	12RB#13	23.61	PASS
Band17	5MHz	16QAM	23755	12RB#13	22.47	PASS
Band17	5MHz	QPSK	23755	25RB#0	23.42	PASS
Band17	5MHz	16QAM	23755	25RB#0	22.99	PASS
Band17	5MHz	QPSK	23790	1RB#0	24.40	PASS
Band17	5MHz	16QAM	23790	1RB#0	23.57	PASS
Band17	5MHz	QPSK	23790	1RB#12	24.51	PASS
Band17	5MHz	16QAM	23790	1RB#12	23.68	PASS
Band17	5MHz	QPSK	23790	1RB#24	24.49	PASS
Band17	5MHz	16QAM	23790	1RB#24	23.60	PASS
Band17	5MHz	QPSK	23790	12RB#0	23.53	PASS
Band17	5MHz	16QAM	23790	12RB#0	22.56	PASS
Band17	5MHz	QPSK	23790	12RB#6	23.52	PASS
Band17	5MHz	16QAM	23790	12RB#6	22.56	PASS
Band17	5MHz	QPSK	23790	12RB#13	23.51	PASS
Band17	5MHz	16QAM	23790	12RB#13	22.65	PASS
Band17	5MHz	QPSK	23790	25RB#0	23.65	PASS
Band17	5MHz	16QAM	23790	25RB#0	22.78	PASS
Band17	5MHz	QPSK	23825	1RB#0	24.49	PASS
Band17	5MHz	16QAM	23825	1RB#0	23.09	PASS
Band17	5MHz	QPSK	23825	1RB#12	24.51	PASS
Band17	5MHz	16QAM	23825	1RB#12	23.10	PASS
Band17	5MHz	QPSK	23825	1RB#24	24.47	PASS
Band17	5MHz	16QAM	23825	1RB#24	23.02	PASS
Band17	5MHz	QPSK	23825	12RB#0	23.39	PASS
Band17	5MHz	16QAM	23825	12RB#0	22.38	PASS





Band17	5MHz	QPSK	23825	12RB#6	23.43	PASS
Band17	5MHz	16QAM	23825	12RB#6	22.39	PASS
Band17	5MHz	QPSK	23825	12RB#13	23.42	PASS
Band17	5MHz	16QAM	23825	12RB#13	22.84	PASS
Band17	5MHz	QPSK	23825	25RB#0	23.35	PASS
Band17	5MHz	16QAM	23825	25RB#0	22.89	PASS
Band17	10MHz	QPSK	23780	1RB#0	24.45	PASS
Band17	10MHz	16QAM	23780	1RB#0	22.98	PASS
Band17	10MHz	QPSK	23780	1RB#24	24.30	PASS
Band17	10MHz	16QAM	23780	1RB#24	23.02	PASS
Band17	10MHz	QPSK	23780	1RB#49	24.45	PASS
Band17	10MHz	16QAM	23780	1RB#49	23.28	PASS
Band17	10MHz	QPSK	23780	25RB#0	23.48	PASS
Band17	10MHz	16QAM	23780	25RB#0	22.86	PASS
Band17	10MHz	QPSK	23780	25RB#12	23.53	PASS
Band17	10MHz	16QAM	23780	25RB#12	22.84	PASS
Band17	10MHz	QPSK	23780	25RB#25	23.51	PASS
Band17	10MHz	16QAM	23780	25RB#25	22.43	PASS
Band17	10MHz	QPSK	23780	50RB#0	23.54	PASS
Band17	10MHz	16QAM	23780	50RB#0	22.52	PASS
Band17	10MHz	QPSK	23790	1RB#0	24.76	PASS
Band17	10MHz	16QAM	23790	1RB#0	22.89	PASS
Band17	10MHz	QPSK	23790	1RB#24	24.63	PASS
Band17	10MHz	16QAM	23790	1RB#24	23.13	PASS
Band17	10MHz	QPSK	23790	1RB#49	24.69	PASS
Band17	10MHz	16QAM	23790	1RB#49	22.93	PASS
Band17	10MHz	QPSK	23790	25RB#0	23.54	PASS
Band17	10MHz	16QAM	23790	25RB#0	22.57	PASS
Band17	10MHz	QPSK	23790	25RB#12	23.54	PASS
Band17	10MHz	16QAM	23790	25RB#12	22.57	PASS
Band17	10MHz	QPSK	23790	25RB#25	23.43	PASS
Band17	10MHz	16QAM	23790	25RB#25	22.56	PASS
Band17	10MHz	QPSK	23790	50RB#0	23.49	PASS
Band17	10MHz	16QAM	23790	50RB#0	22.64	PASS
Band17	10MHz	QPSK	23800	1RB#0	24.50	PASS
Band17	10MHz	16QAM	23800	1RB#0	24.00	PASS
Band17	10MHz	QPSK	23800	1RB#24	24.44	PASS
Band17	10MHz	16QAM	23800	1RB#24	24.07	PASS
Band17	10MHz	QPSK	23800	1RB#49	24.47	PASS
Band17	10MHz	16QAM	23800	1RB#49	23.98	PASS
Band17	10MHz	QPSK	23800	25RB#0	23.52	PASS
Band17	10MHz	16QAM	23800	25RB#0	22.52	PASS





Band17	10MHz	QPSK	23800	25RB#12	23.54	PASS
Band17	10MHz	16QAM	23800	25RB#12	22.53	PASS
Band17	10MHz	QPSK	23800	25RB#25	23.38	PASS
Band17	10MHz	16QAM	23800	25RB#25	22.91	PASS
Band17	10MHz	QPSK	23800	50RB#0	23.47	PASS
Band17	10MHz	16QAM	23800	50RB#0	22.61	PASS





L.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	4.57	13	PASS
Band17	5MHz	16QAM	23755	1RB#0	5.75	13	PASS
Band17	5MHz	QPSK	23755	25RB#0	5.71	13	PASS
Band17	5MHz	16QAM	23755	25RB#0	6.32	13	PASS
Band17	5MHz	QPSK	23790	1RB#0	5.05	13	PASS
Band17	5MHz	16QAM	23790	1RB#0	6.08	13	PASS
Band17	5MHz	QPSK	23790	25RB#0	5.59	13	PASS
Band17	5MHz	16QAM	23790	25RB#0	6.30	13	PASS
Band17	5MHz	QPSK	23825	1RB#0	4.39	13	PASS
Band17	5MHz	16QAM	23825	1RB#0	5.20	13	PASS
Band17	5MHz	QPSK	23825	25RB#0	5.29	13	PASS
Band17	5MHz	16QAM	23825	25RB#0	5.91	13	PASS
Band17	10MHz	QPSK	23780	1RB#0	4.62	13	PASS
Band17	10MHz	16QAM	23780	1RB#0	5.60	13	PASS
Band17	10MHz	QPSK	23780	50RB#0	5.62	13	PASS
Band17	10MHz	16QAM	23780	50RB#0	6.39	13	PASS
Band17	10MHz	QPSK	23790	1RB#0	4.53	13	PASS
Band17	10MHz	16QAM	23790	1RB#0	5.75	13	PASS
Band17	10MHz	QPSK	23790	50RB#0	5.49	13	PASS
Band17	10MHz	16QAM	23790	50RB#0	6.30	13	PASS
Band17	10MHz	QPSK	23800	1RB#0	4.91	13	PASS
Band17	10MHz	16QAM	23800	1RB#0	5.62	13	PASS
Band17	10MHz	QPSK	23800	50RB#0	5.41	13	PASS
Band17	10MHz	16QAM	23800	50RB#0	6.27	13	PASS





Test Graphs



















L.3 26dB Bandwidth and Occupied Bandwidth

Test Result

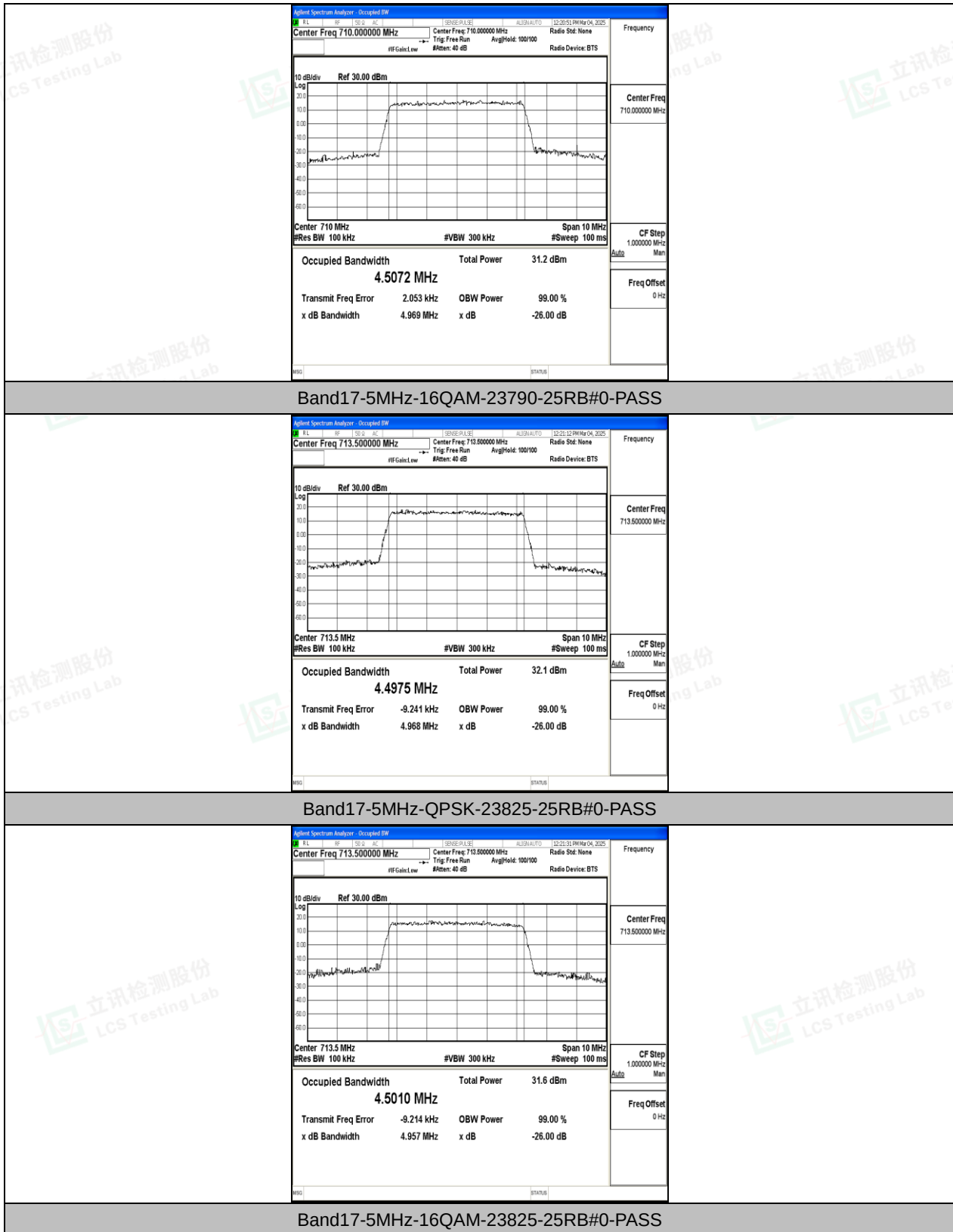
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	4.5120	4.975	PASS
Band17	5MHz	16QAM	23755	25RB#0	4.5042	4.969	PASS
Band17	5MHz	QPSK	23790	25RB#0	4.5122	4.961	PASS
Band17	5MHz	16QAM	23790	25RB#0	4.5072	4.969	PASS
Band17	5MHz	QPSK	23825	25RB#0	4.4975	4.968	PASS
Band17	5MHz	16QAM	23825	25RB#0	4.5010	4.957	PASS
Band17	10MHz	QPSK	23780	50RB#0	9.0053	9.852	PASS
Band17	10MHz	16QAM	23780	50RB#0	9.0124	9.891	PASS
Band17	10MHz	QPSK	23790	50RB#0	8.9930	9.880	PASS
Band17	10MHz	16QAM	23790	50RB#0	8.9961	9.920	PASS
Band17	10MHz	QPSK	23800	50RB#0	8.9469	9.877	PASS
Band17	10MHz	16QAM	23800	50RB#0	8.9722	9.926	PASS

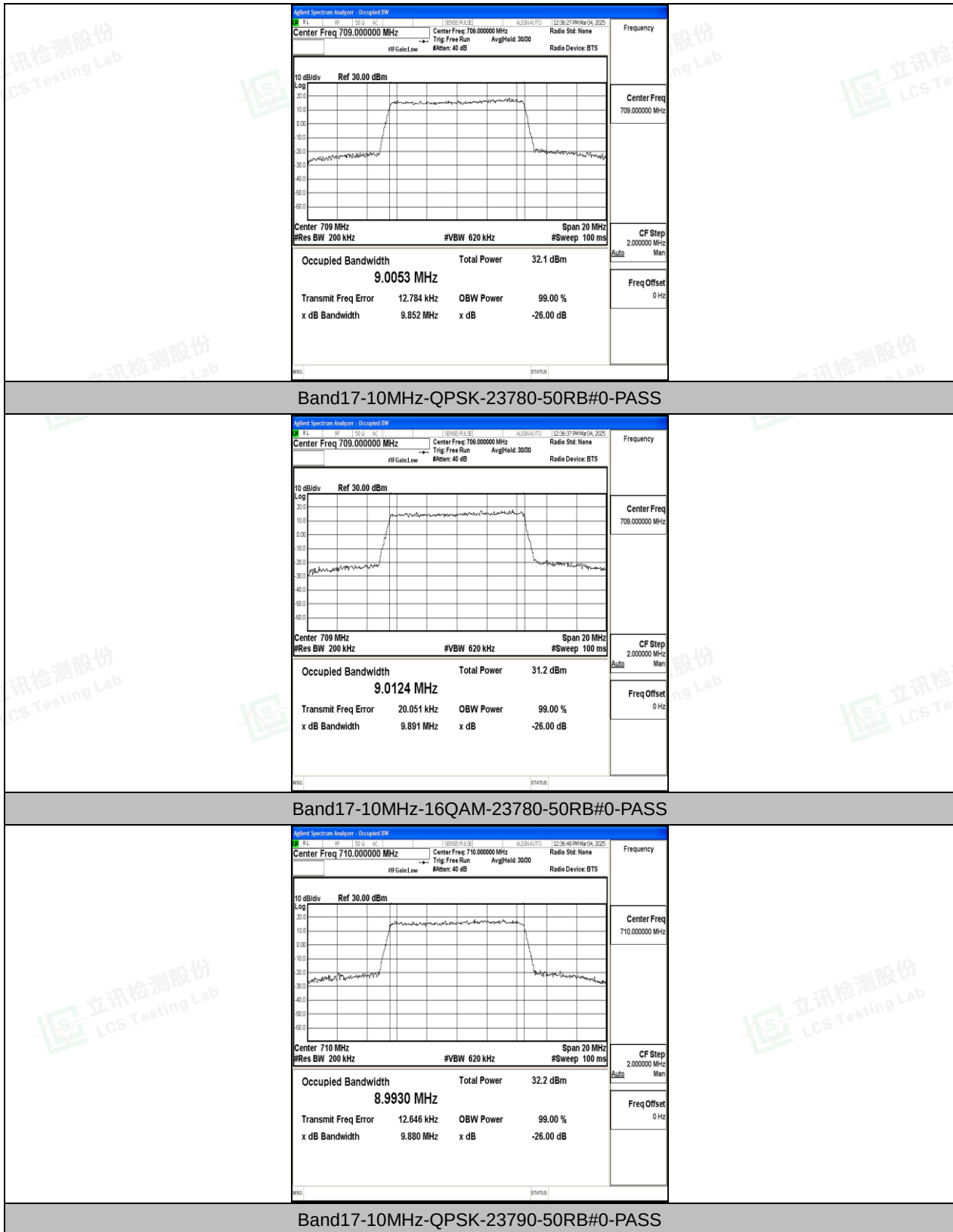


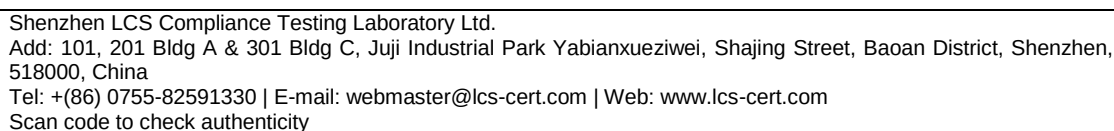
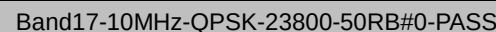
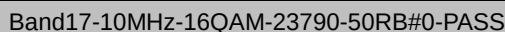


Test Graphs











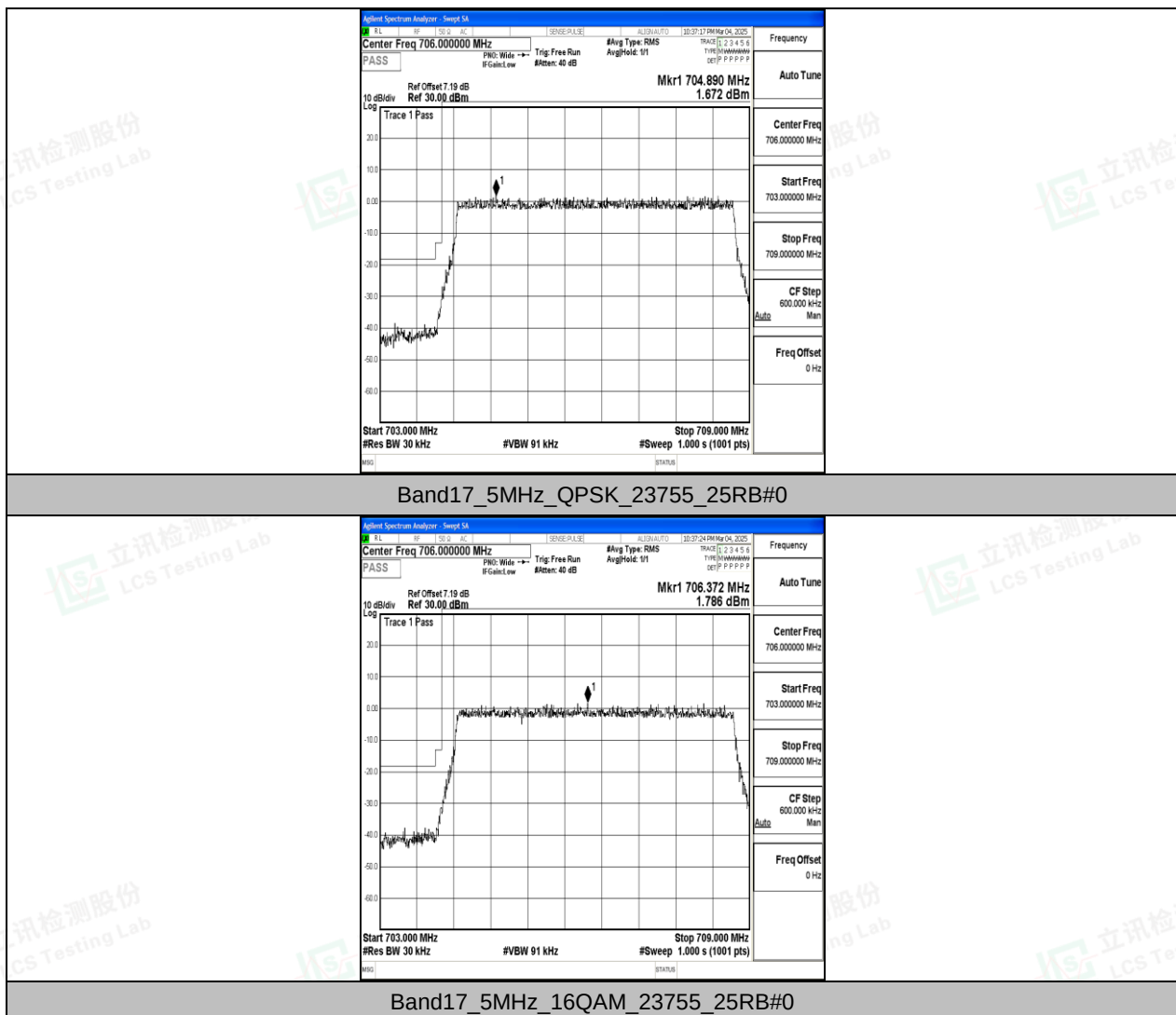


L.4 Band Edge

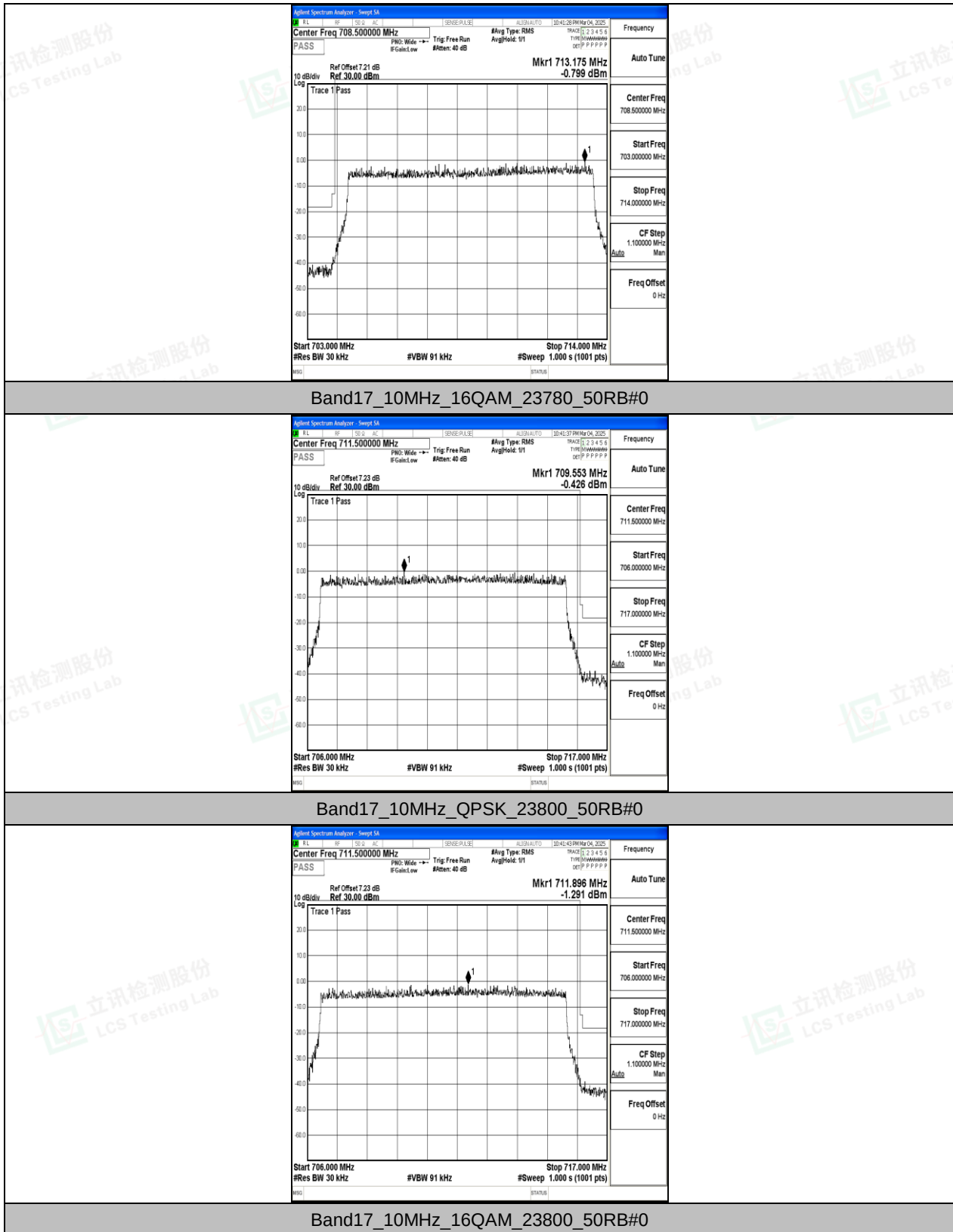
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Peak Frequency	Result(dBm)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	703.25	-38.43	PASS
Band17	5MHz	16QAM	23755	25RB#0	704.00	-31.31	PASS
Band17	5MHz	QPSK	23825	25RB#0	716.69	-37.49	PASS
Band17	5MHz	16QAM	23825	25RB#0	716.15	-35.10	PASS
Band17	10MHz	QPSK	23780	50RB#0	703.88	-40.99	PASS
Band17	10MHz	16QAM	23780	50RB#0	703.68	-40.70	PASS
Band17	10MHz	QPSK	23800	50RB#0	716.56	-38.83	PASS
Band17	10MHz	16QAM	23800	50RB#0	716.18	-39.10	PASS

Test Graphs









L.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	-59.11	PASS
Band17	5MHz	QPSK	23755	1RB#0	0.15~30	-44.12	PASS
Band17	5MHz	QPSK	23755	1RB#0	30~1000	-52.60	PASS
Band17	5MHz	QPSK	23755	1RB#0	1000~3000	-38.90	PASS
Band17	5MHz	QPSK	23755	1RB#0	3000~10000	-35.17	PASS
Band17	5MHz	16QAM	23755	1RB#0	0.009~0.15	-58.19	PASS
Band17	5MHz	16QAM	23755	1RB#0	0.15~30	-43.68	PASS
Band17	5MHz	16QAM	23755	1RB#0	30~1000	-52.90	PASS
Band17	5MHz	16QAM	23755	1RB#0	1000~3000	-39.23	PASS
Band17	5MHz	16QAM	23755	1RB#0	3000~10000	-35.29	PASS
Band17	5MHz	QPSK	23790	1RB#0	0.009~0.15	-58.00	PASS
Band17	5MHz	QPSK	23790	1RB#0	0.15~30	-46.01	PASS
Band17	5MHz	QPSK	23790	1RB#0	30~1000	-52.55	PASS
Band17	5MHz	QPSK	23790	1RB#0	1000~3000	-39.14	PASS
Band17	5MHz	QPSK	23790	1RB#0	3000~10000	-35.05	PASS
Band17	5MHz	16QAM	23790	1RB#0	0.009~0.15	-58.03	PASS
Band17	5MHz	16QAM	23790	1RB#0	0.15~30	-47.84	PASS
Band17	5MHz	16QAM	23790	1RB#0	30~1000	-53.19	PASS
Band17	5MHz	16QAM	23790	1RB#0	1000~3000	-38.54	PASS
Band17	5MHz	16QAM	23790	1RB#0	3000~10000	-35.68	PASS
Band17	5MHz	QPSK	23825	1RB#0	0.009~0.15	-57.00	PASS
Band17	5MHz	QPSK	23825	1RB#0	0.15~30	-45.15	PASS
Band17	5MHz	QPSK	23825	1RB#0	30~1000	-51.88	PASS
Band17	5MHz	QPSK	23825	1RB#0	1000~3000	-38.83	PASS
Band17	5MHz	QPSK	23825	1RB#0	3000~10000	-35.61	PASS
Band17	5MHz	16QAM	23825	1RB#0	0.009~0.15	-58.73	PASS
Band17	5MHz	16QAM	23825	1RB#0	0.15~30	-47.04	PASS
Band17	5MHz	16QAM	23825	1RB#0	30~1000	-52.91	PASS
Band17	5MHz	16QAM	23825	1RB#0	1000~3000	-39.08	PASS
Band17	5MHz	16QAM	23825	1RB#0	3000~10000	-35.02	PASS
Band17	10MHz	QPSK	23780	1RB#0	0.009~0.15	-58.78	PASS
Band17	10MHz	QPSK	23780	1RB#0	0.15~30	-48.09	PASS
Band17	10MHz	QPSK	23780	1RB#0	30~1000	-53.14	PASS
Band17	10MHz	QPSK	23780	1RB#0	1000~3000	-39.26	PASS
Band17	10MHz	QPSK	23780	1RB#0	3000~10000	-34.93	PASS
Band17	10MHz	16QAM	23780	1RB#0	0.009~0.15	-57.70	PASS

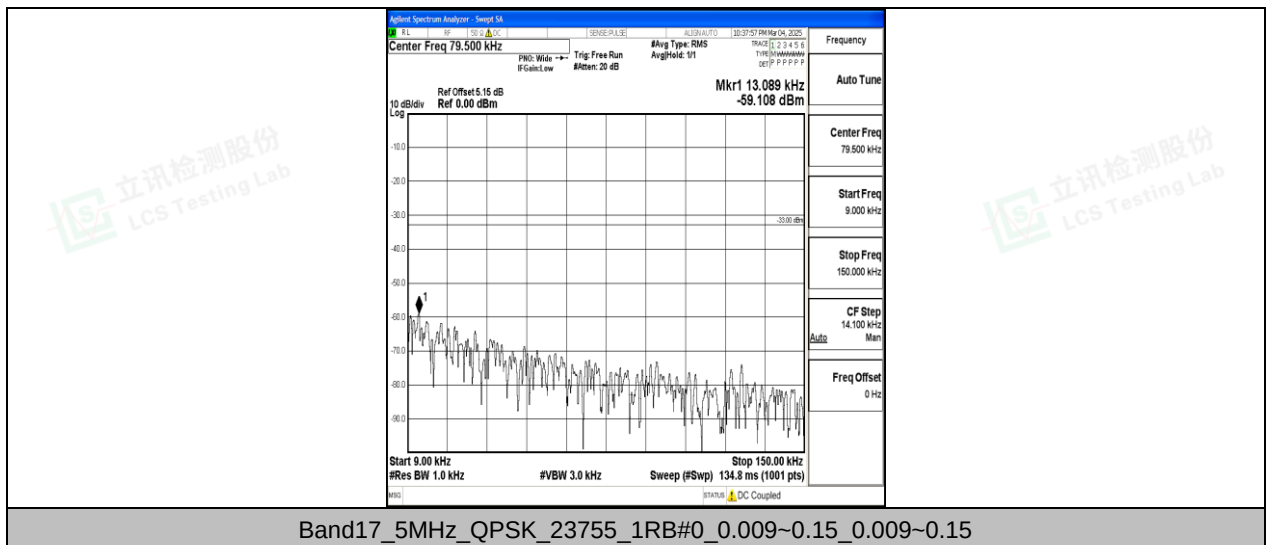


Shenzhen LCS Compliance Testing Laboratory Ltd.
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com
Scan code to check authenticity

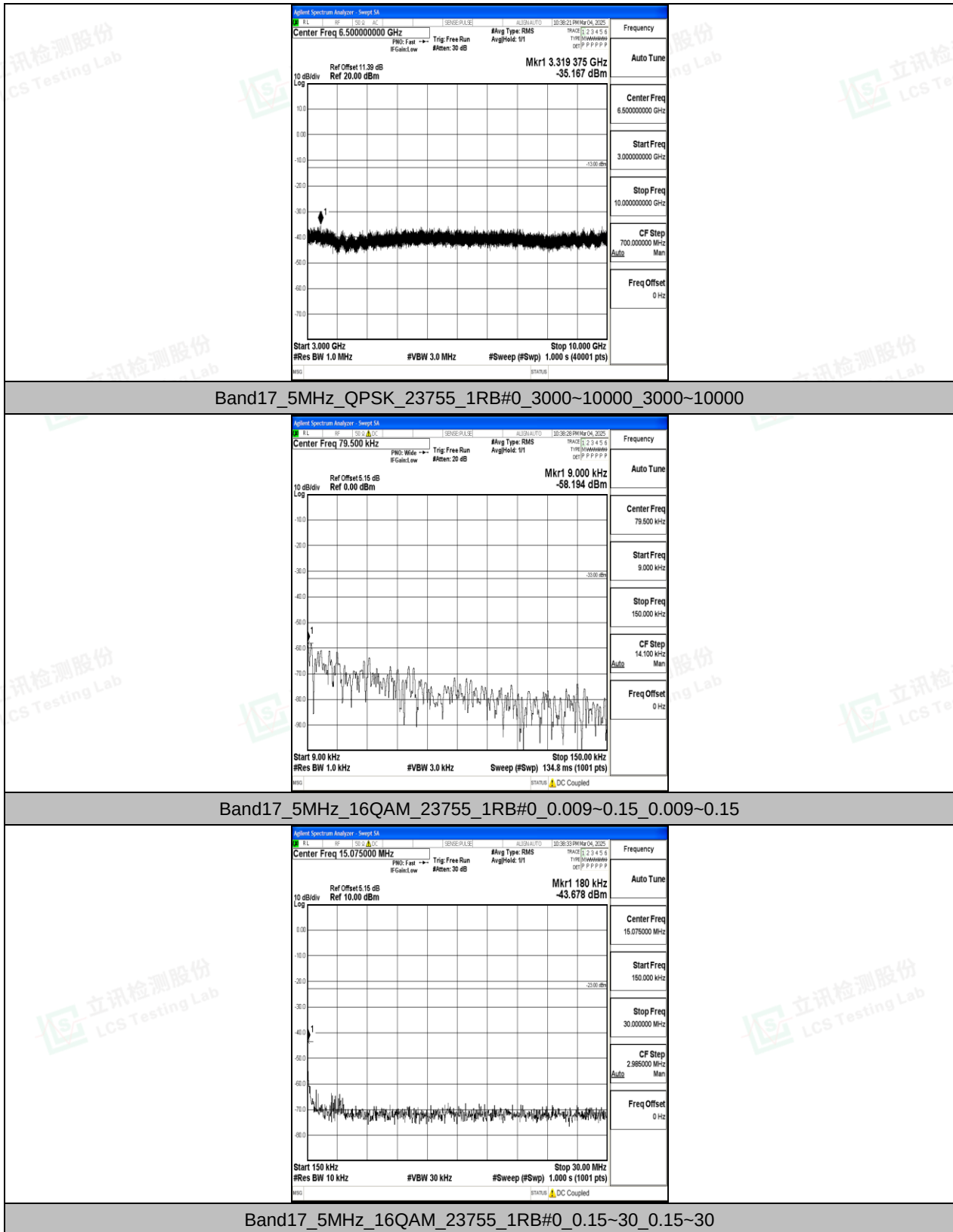


Band17	10MHz	16QAM	23780	1RB#0	0.15~30	-49.19	PASS
Band17	10MHz	16QAM	23780	1RB#0	30~1000	-52.77	PASS
Band17	10MHz	16QAM	23780	1RB#0	1000~3000	-39.48	PASS
Band17	10MHz	16QAM	23780	1RB#0	3000~10000	-35.27	PASS
Band17	10MHz	QPSK	23790	1RB#0	0.009~0.15	-56.76	PASS
Band17	10MHz	QPSK	23790	1RB#0	0.15~30	-44.51	PASS
Band17	10MHz	QPSK	23790	1RB#0	30~1000	-52.56	PASS
Band17	10MHz	QPSK	23790	1RB#0	1000~3000	-38.73	PASS
Band17	10MHz	QPSK	23790	1RB#0	3000~10000	-35.45	PASS
Band17	10MHz	16QAM	23790	1RB#0	0.009~0.15	-56.69	PASS
Band17	10MHz	16QAM	23790	1RB#0	0.15~30	-45.61	PASS
Band17	10MHz	16QAM	23790	1RB#0	30~1000	-52.49	PASS
Band17	10MHz	16QAM	23790	1RB#0	1000~3000	-39.19	PASS
Band17	10MHz	16QAM	23790	1RB#0	3000~10000	-35.34	PASS
Band17	10MHz	QPSK	23800	1RB#0	0.009~0.15	-56.95	PASS
Band17	10MHz	QPSK	23800	1RB#0	0.15~30	-48.47	PASS
Band17	10MHz	QPSK	23800	1RB#0	30~1000	-51.26	PASS
Band17	10MHz	QPSK	23800	1RB#0	1000~3000	-39.16	PASS
Band17	10MHz	QPSK	23800	1RB#0	3000~10000	-35.76	PASS
Band17	10MHz	16QAM	23800	1RB#0	0.009~0.15	-58.19	PASS
Band17	10MHz	16QAM	23800	1RB#0	0.15~30	-44.94	PASS
Band17	10MHz	16QAM	23800	1RB#0	30~1000	-53.45	PASS
Band17	10MHz	16QAM	23800	1RB#0	1000~3000	-38.68	PASS
Band17	10MHz	16QAM	23800	1RB#0	3000~10000	-35.59	PASS

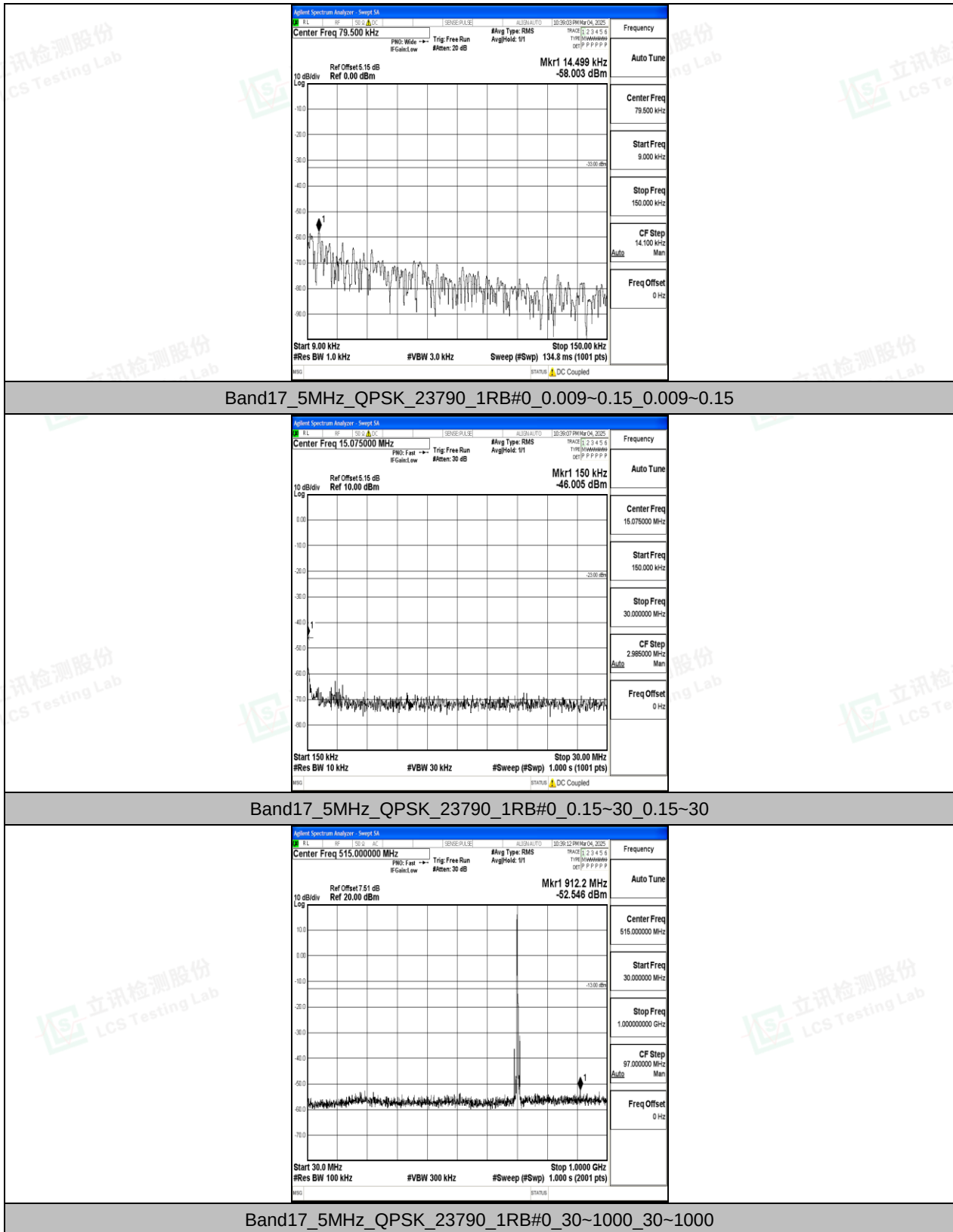
Test Graphs

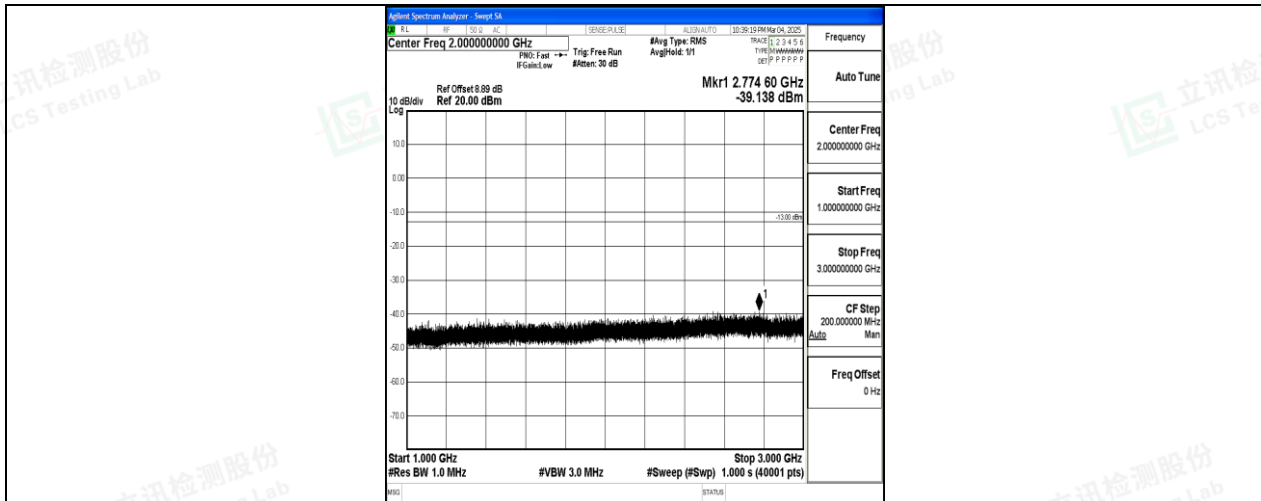




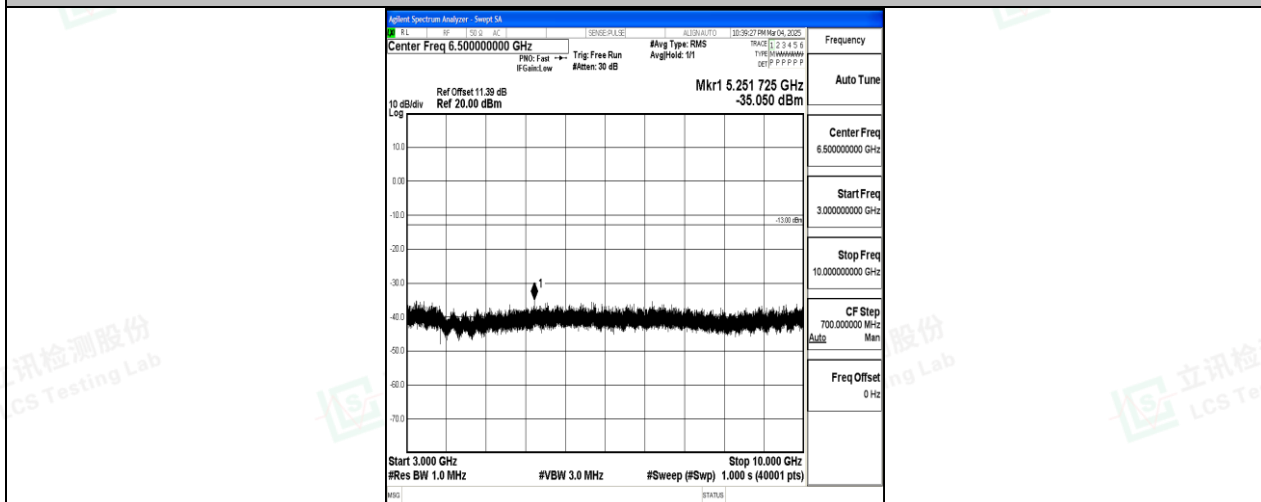




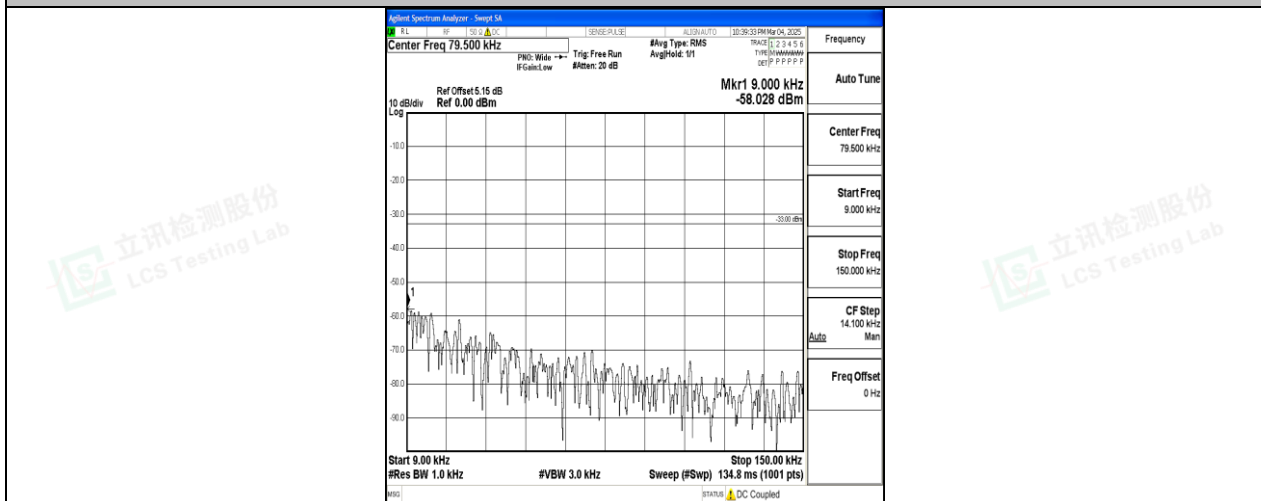




Band17_5MHz_QPSK_23790_1RB#0_1000~3000_1000~3000



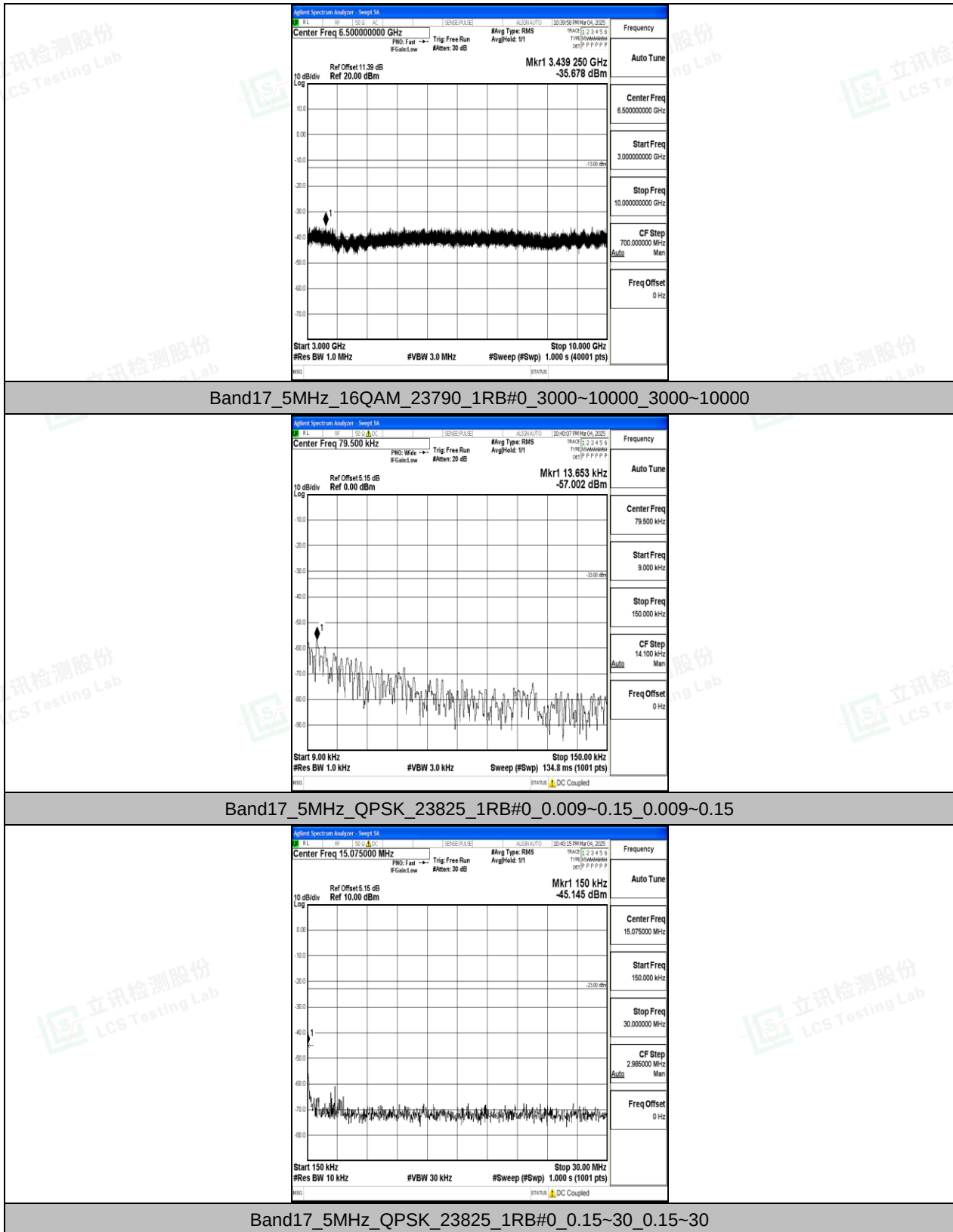
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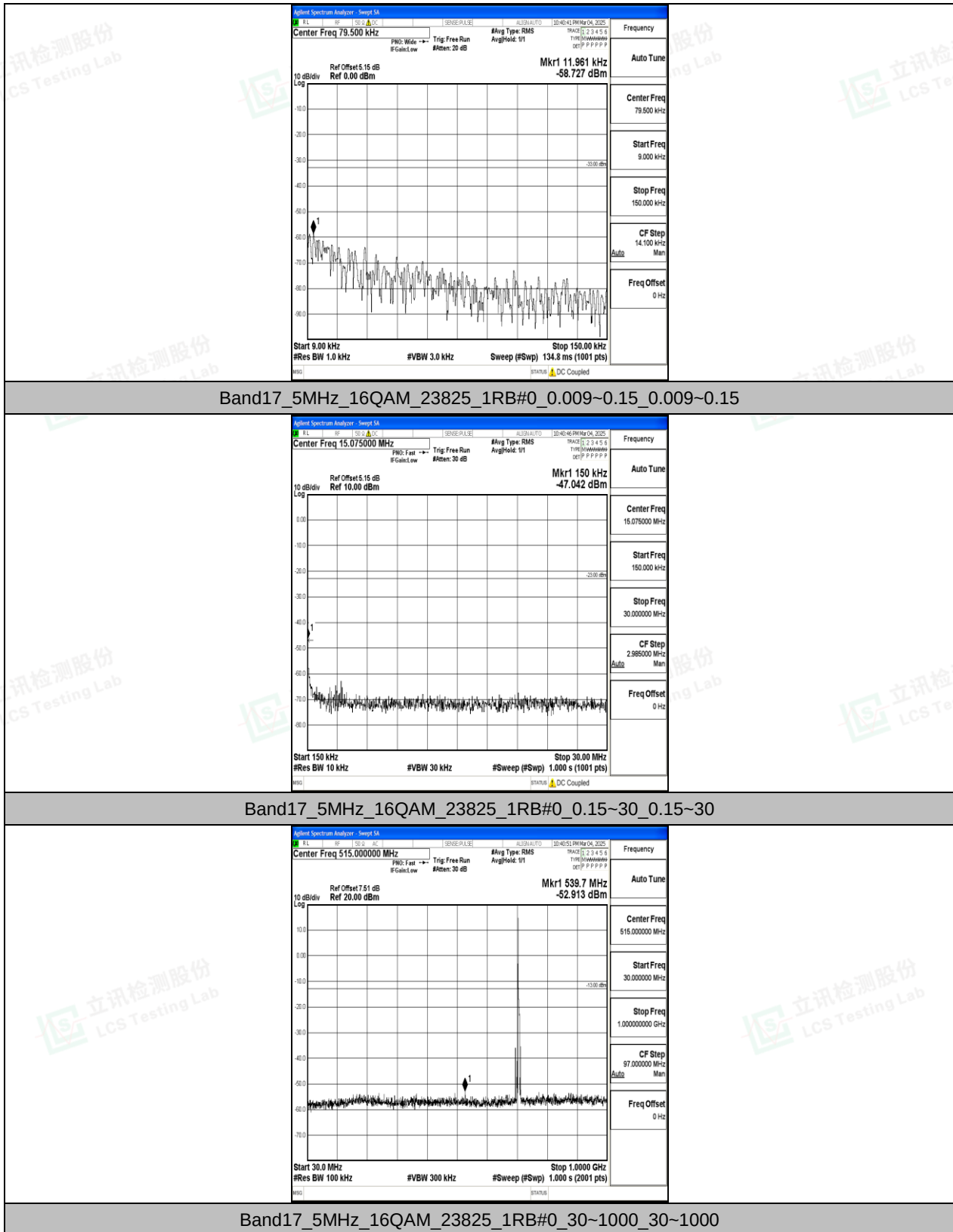
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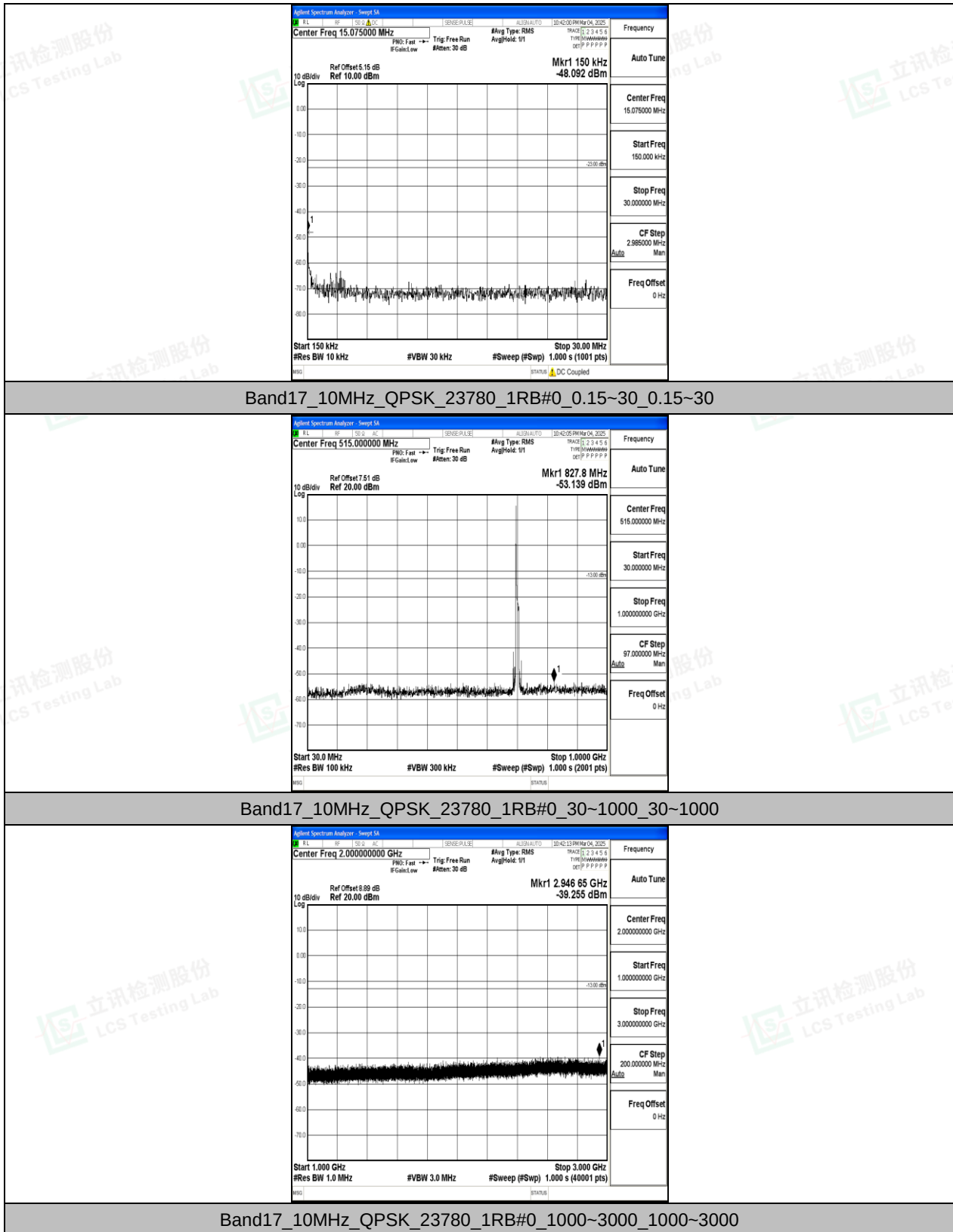






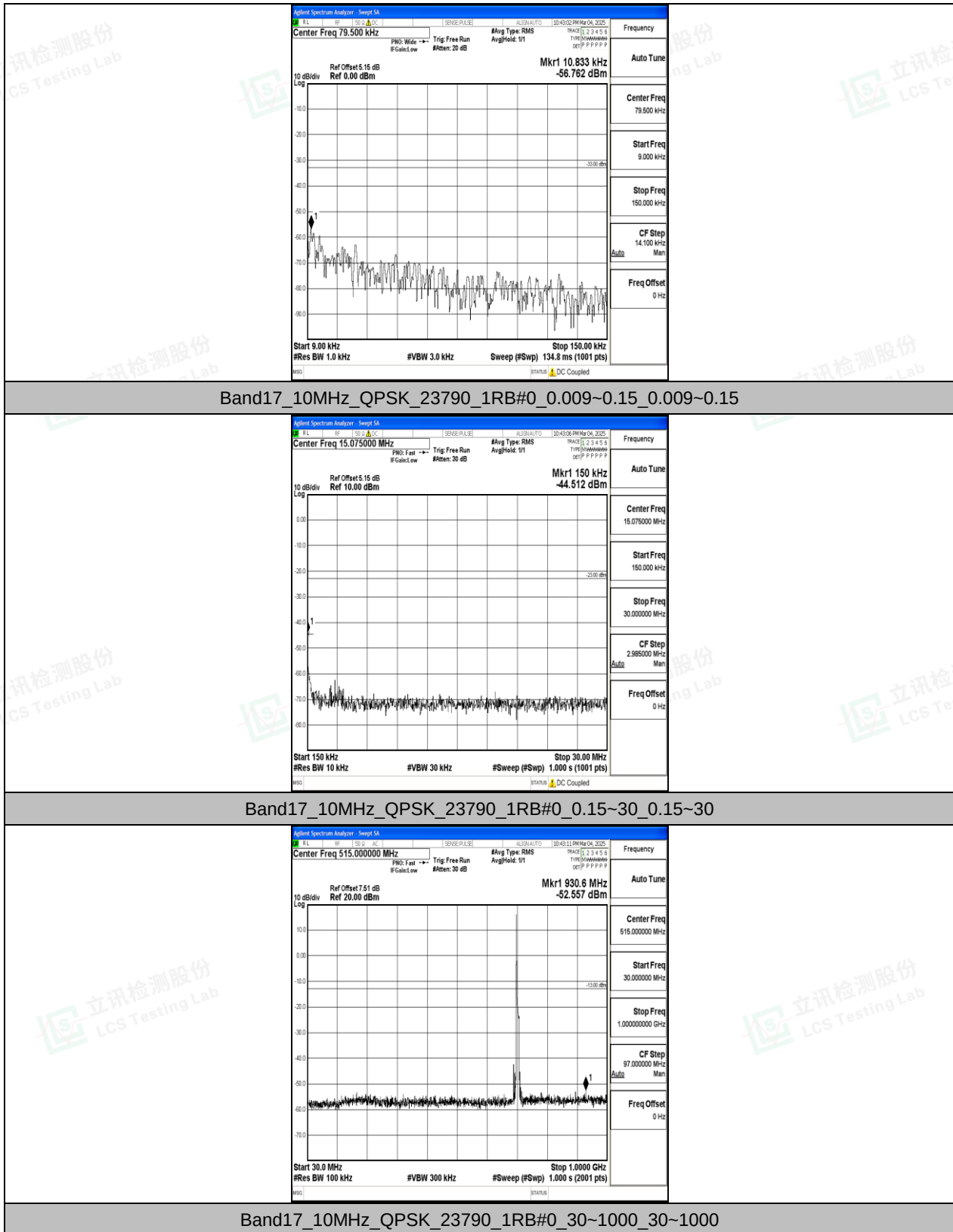


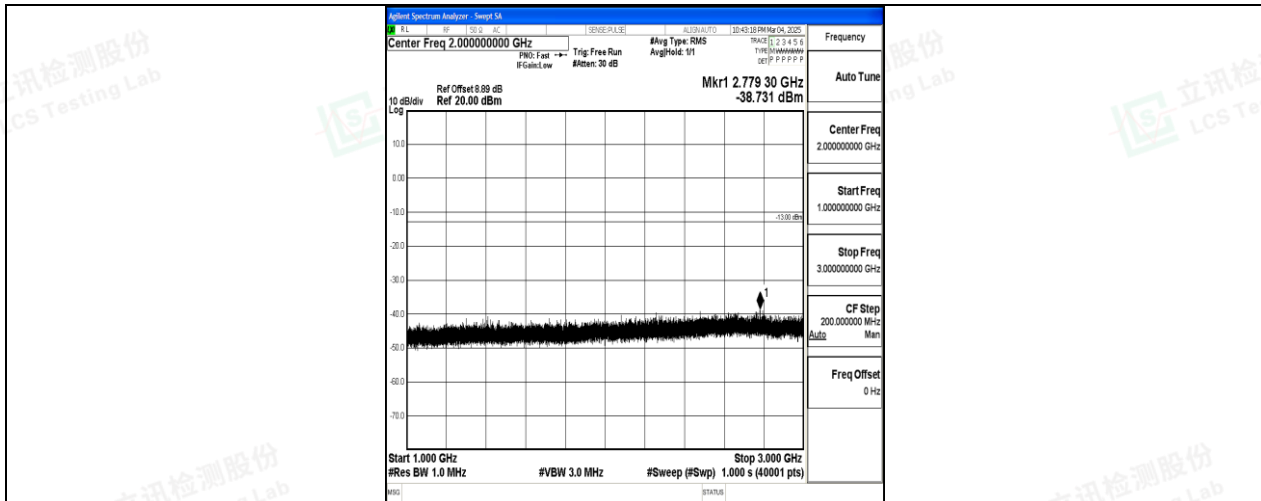




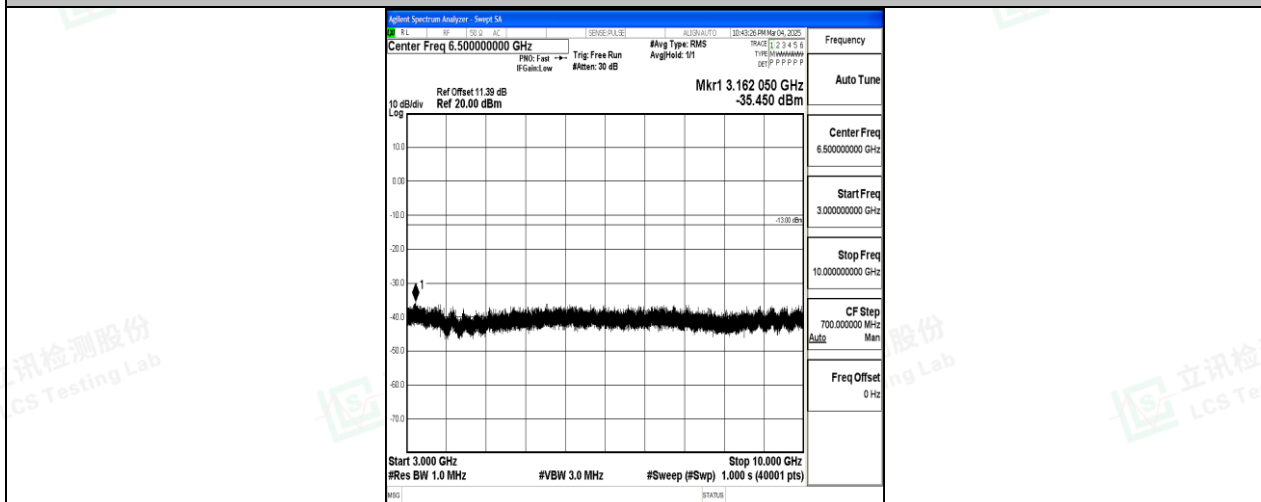




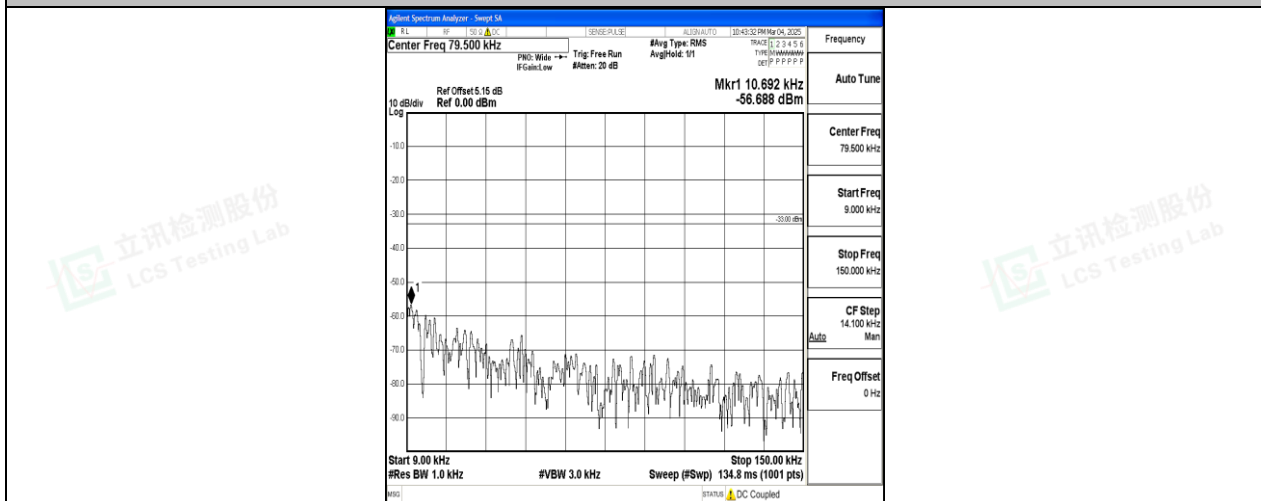




Band17_10MHz_QPSK_23790_1RB#0_1000~3000_1000~3000



Band17_10MHz_QPSK_23790_1RB#0_3000~10000_3000~10000



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



