



Appendix J: Test Data for E-UTRA Band 13

Product Name: Android 13 Tablet 10.1

Test Model: G11

Environmental Conditions

Temperature:	23.8° C
Relative Humidity:	52.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Nick Peng
Supervised by:	Ling Zhu



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J.1 Conducted power

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	23.59	PASS
Band13	5MHz	16QAM	23205	1RB#0	22.61	PASS
Band13	5MHz	QPSK	23205	1RB#12	23.89	PASS
Band13	5MHz	16QAM	23205	1RB#12	22.85	PASS
Band13	5MHz	QPSK	23205	1RB#24	23.80	PASS
Band13	5MHz	16QAM	23205	1RB#24	22.82	PASS
Band13	5MHz	QPSK	23205	12RB#0	22.65	PASS
Band13	5MHz	16QAM	23205	12RB#0	21.61	PASS
Band13	5MHz	QPSK	23205	12RB#6	22.65	PASS
Band13	5MHz	16QAM	23205	12RB#6	21.61	PASS
Band13	5MHz	QPSK	23205	12RB#13	22.80	PASS
Band13	5MHz	16QAM	23205	12RB#13	21.80	PASS
Band13	5MHz	QPSK	23205	25RB#0	22.74	PASS
Band13	5MHz	16QAM	23205	25RB#0	21.78	PASS
Band13	5MHz	QPSK	23230	1RB#0	23.77	PASS
Band13	5MHz	16QAM	23230	1RB#0	22.91	PASS
Band13	5MHz	QPSK	23230	1RB#12	24.00	PASS
Band13	5MHz	16QAM	23230	1RB#12	23.20	PASS
Band13	5MHz	QPSK	23230	1RB#24	23.89	PASS
Band13	5MHz	16QAM	23230	1RB#24	23.08	PASS
Band13	5MHz	QPSK	23230	12RB#0	22.89	PASS
Band13	5MHz	16QAM	23230	12RB#0	21.92	PASS
Band13	5MHz	QPSK	23230	12RB#6	22.89	PASS
Band13	5MHz	16QAM	23230	12RB#6	21.92	PASS
Band13	5MHz	QPSK	23230	12RB#13	22.88	PASS
Band13	5MHz	16QAM	23230	12RB#13	21.95	PASS
Band13	5MHz	QPSK	23230	25RB#0	22.89	PASS
Band13	5MHz	16QAM	23230	25RB#0	21.85	PASS
Band13	5MHz	QPSK	23255	1RB#0	23.91	PASS
Band13	5MHz	16QAM	23255	1RB#0	22.94	PASS
Band13	5MHz	QPSK	23255	1RB#12	24.10	PASS
Band13	5MHz	16QAM	23255	1RB#12	23.11	PASS
Band13	5MHz	QPSK	23255	1RB#24	23.94	PASS



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Band13	5MHz	16QAM	23255	1RB#24	23.00	PASS
Band13	5MHz	QPSK	23255	12RB#0	23.02	PASS
Band13	5MHz	16QAM	23255	12RB#0	22.06	PASS
Band13	5MHz	QPSK	23255	12RB#6	22.97	PASS
Band13	5MHz	16QAM	23255	12RB#6	22.07	PASS
Band13	5MHz	QPSK	23255	12RB#13	23.02	PASS
Band13	5MHz	16QAM	23255	12RB#13	22.01	PASS
Band13	5MHz	QPSK	23255	25RB#0	23.01	PASS
Band13	5MHz	16QAM	23255	25RB#0	22.10	PASS
Band13	10MHz	QPSK	23230	1RB#0	23.64	PASS
Band13	10MHz	16QAM	23230	1RB#0	22.83	PASS
Band13	10MHz	QPSK	23230	1RB#24	24.04	PASS
Band13	10MHz	16QAM	23230	1RB#24	23.16	PASS
Band13	10MHz	QPSK	23230	1RB#49	23.93	PASS
Band13	10MHz	16QAM	23230	1RB#49	23.09	PASS
Band13	10MHz	QPSK	23230	25RB#0	22.88	PASS
Band13	10MHz	16QAM	23230	25RB#0	21.85	PASS
Band13	10MHz	QPSK	23230	25RB#12	22.88	PASS
Band13	10MHz	16QAM	23230	25RB#12	21.86	PASS
Band13	10MHz	QPSK	23230	25RB#25	22.96	PASS
Band13	10MHz	16QAM	23230	25RB#25	22.03	PASS
Band13	10MHz	QPSK	23230	50RB#0	22.87	PASS
Band13	10MHz	16QAM	23230	50RB#0	21.90	PASS





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

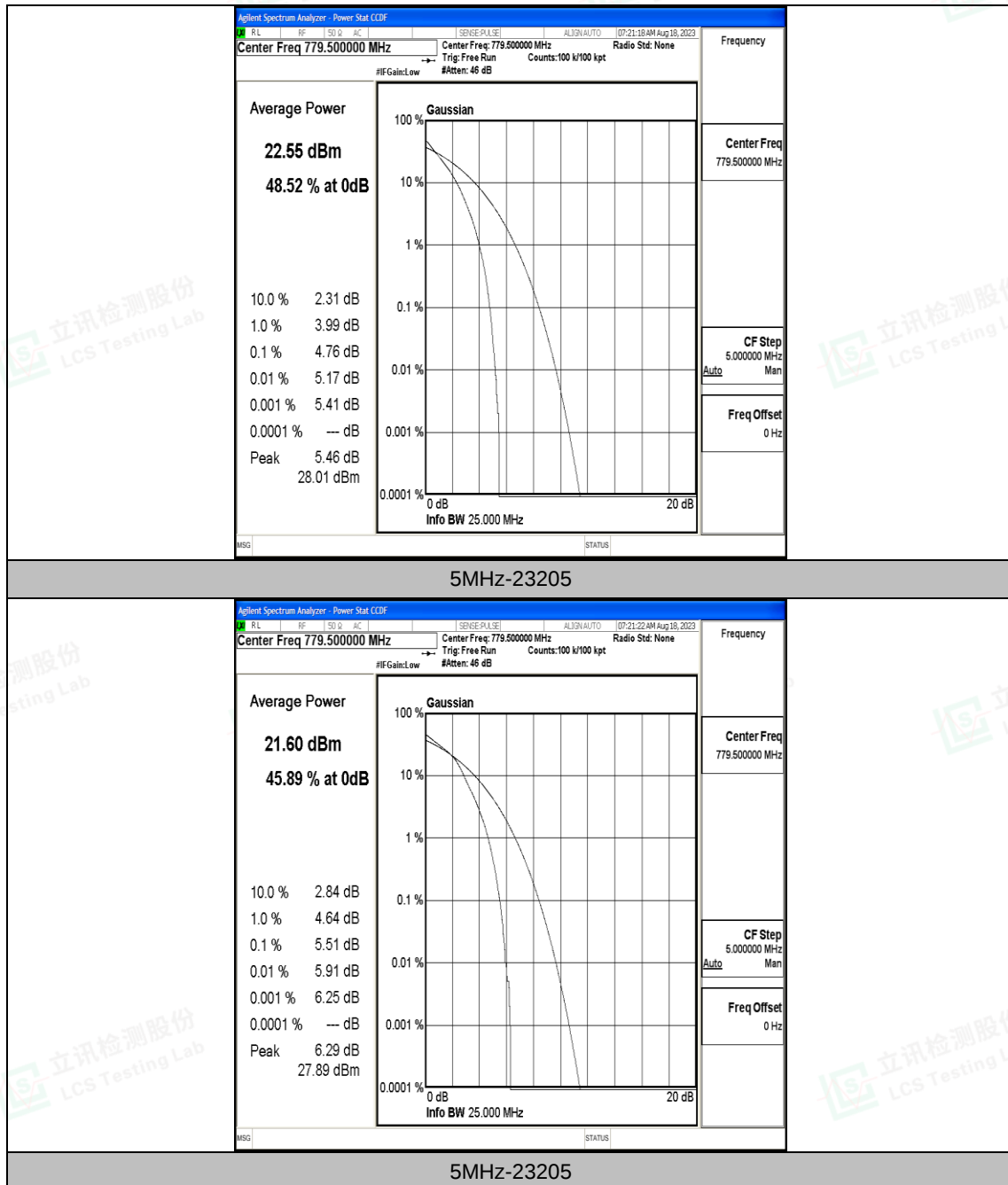
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band13	5MHz	QPSK	23205	25RB#0	4.76	13	PASS
Band13	5MHz	16QAM	23205	25RB#0	5.51	13	PASS
Band13	5MHz	QPSK	23230	25RB#0	5.13	13	PASS
Band13	5MHz	16QAM	23230	25RB#0	5.84	13	PASS
Band13	5MHz	QPSK	23255	25RB#0	5.34	13	PASS
Band13	5MHz	16QAM	23255	25RB#0	6.16	13	PASS
Band13	10MHz	QPSK	23230	50RB#0	5.01	13	PASS
Band13	10MHz	16QAM	23230	50RB#0	5.76	13	PASS





Test Graphs

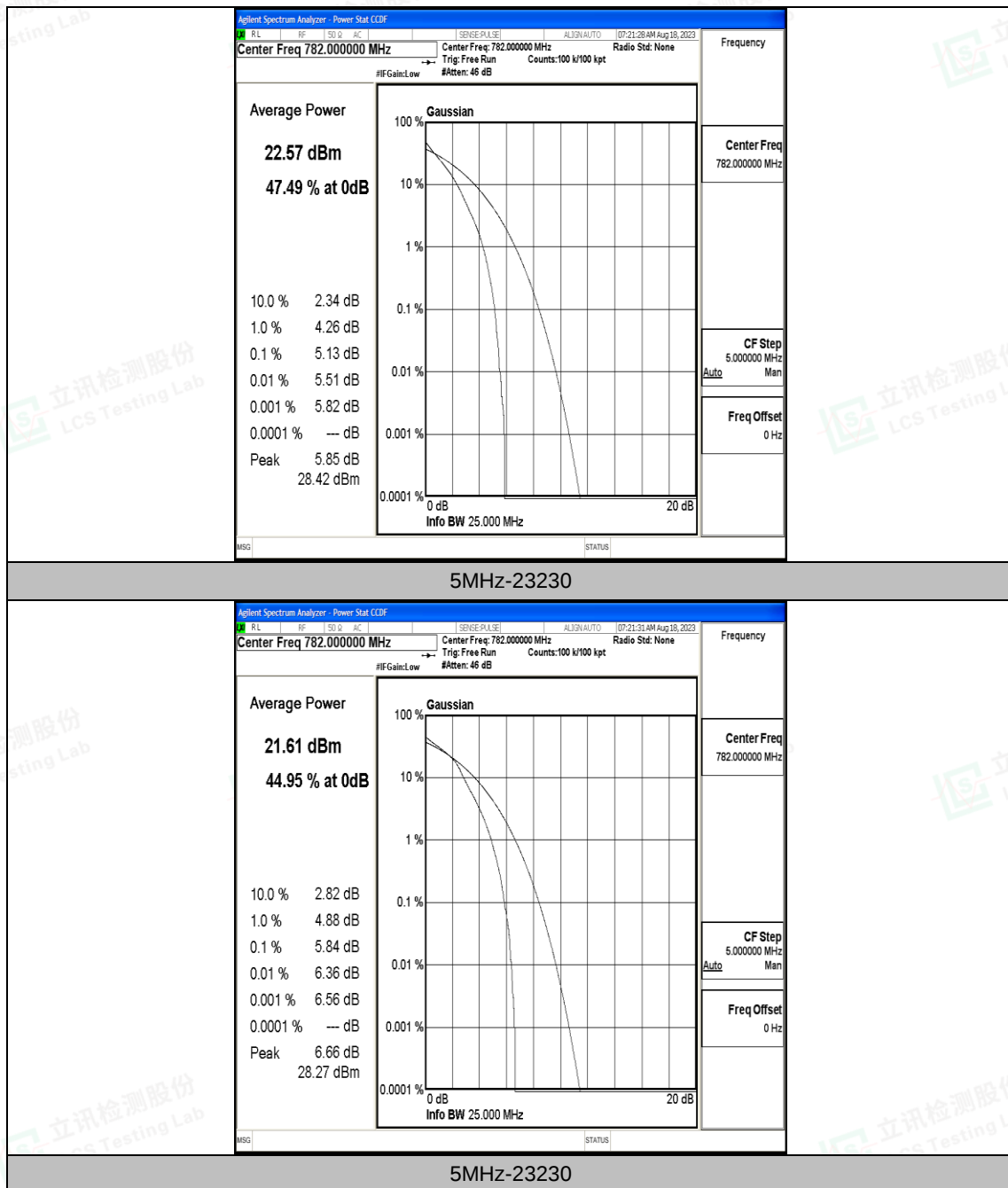


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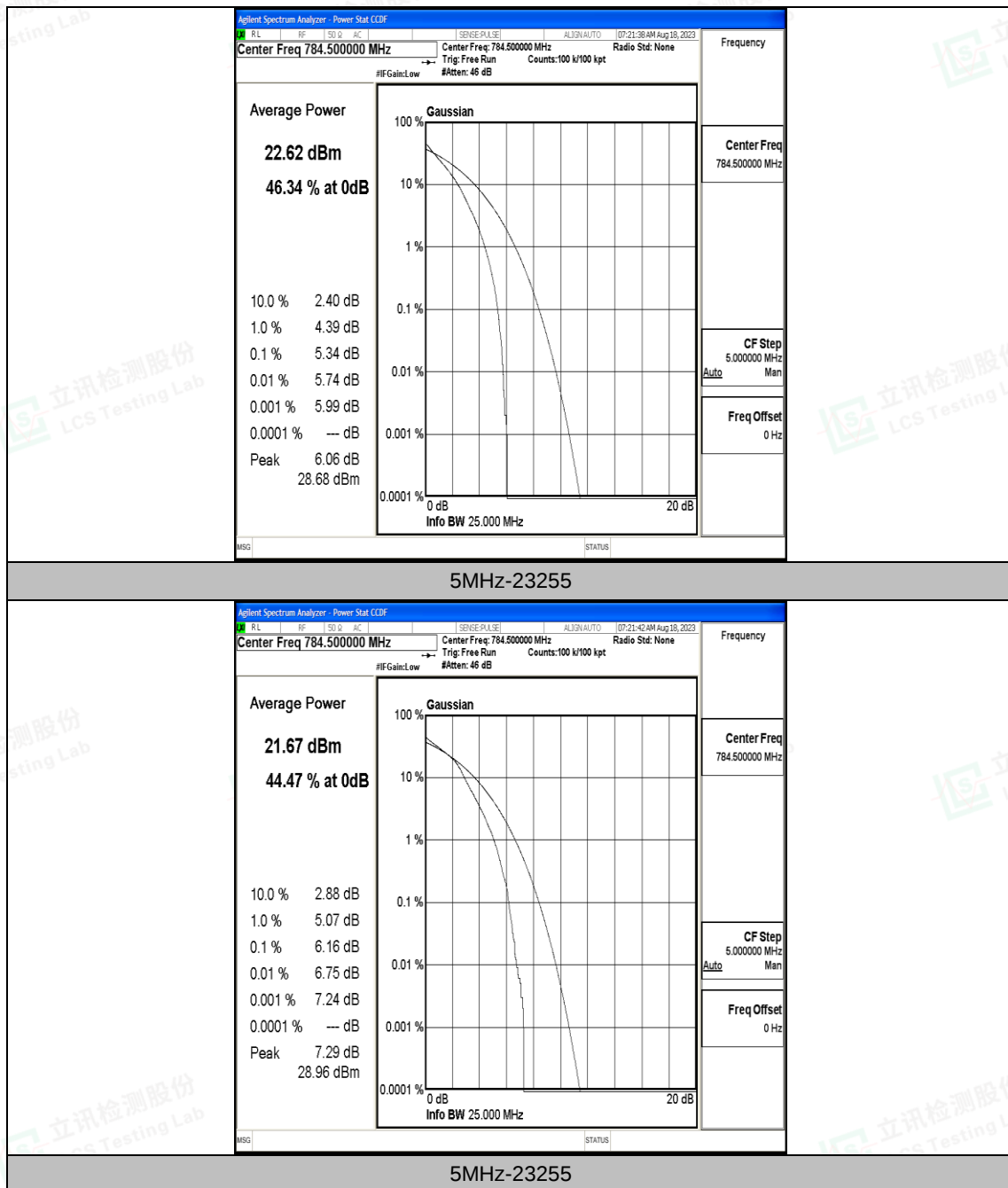


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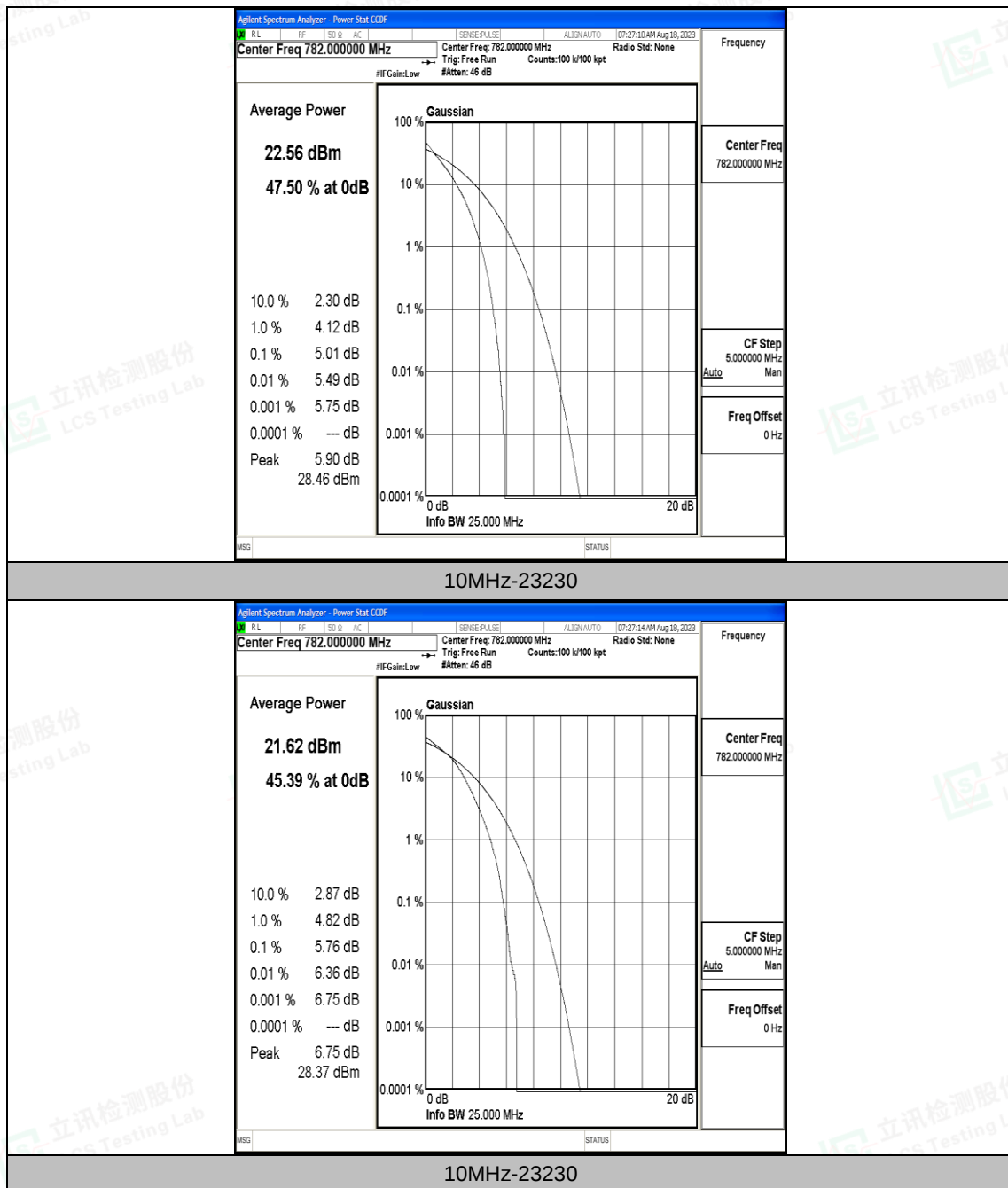


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J.3 26dB Bandwidth and Occupied Bandwidth

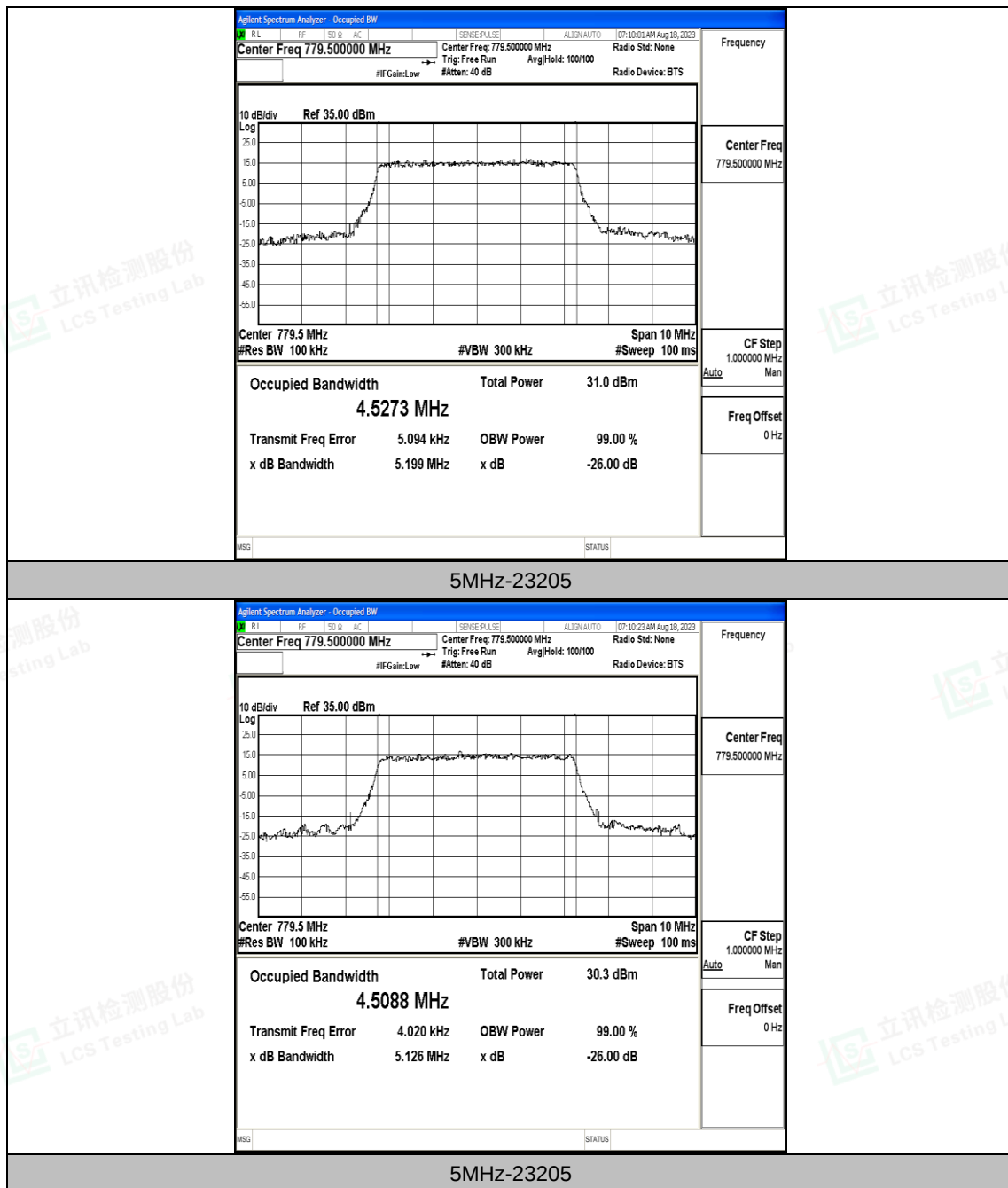
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band13	5MHz	QPSK	23205	25RB#0	4.5273	5.199	PASS
Band13	5MHz	16QAM	23205	25RB#0	4.5088	5.126	PASS
Band13	5MHz	QPSK	23230	25RB#0	4.5060	5.100	PASS
Band13	5MHz	16QAM	23230	25RB#0	4.5254	5.183	PASS
Band13	5MHz	QPSK	23255	25RB#0	4.5204	5.164	PASS
Band13	5MHz	16QAM	23255	25RB#0	4.5343	5.173	PASS
Band13	10MHz	QPSK	23230	50RB#0	9.0142	10.23	PASS
Band13	10MHz	16QAM	23230	50RB#0	8.9772	10.38	PASS





Test Graphs

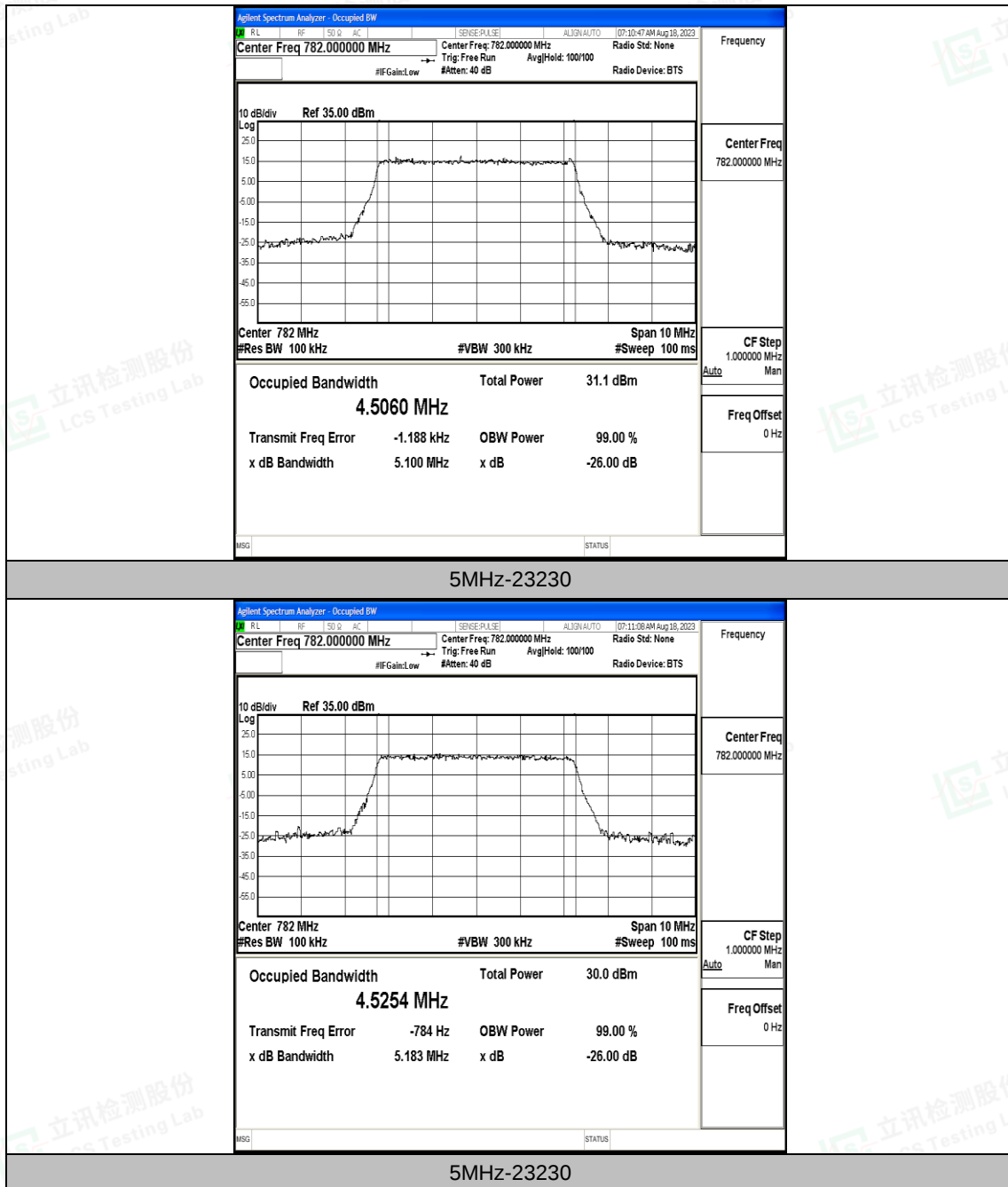


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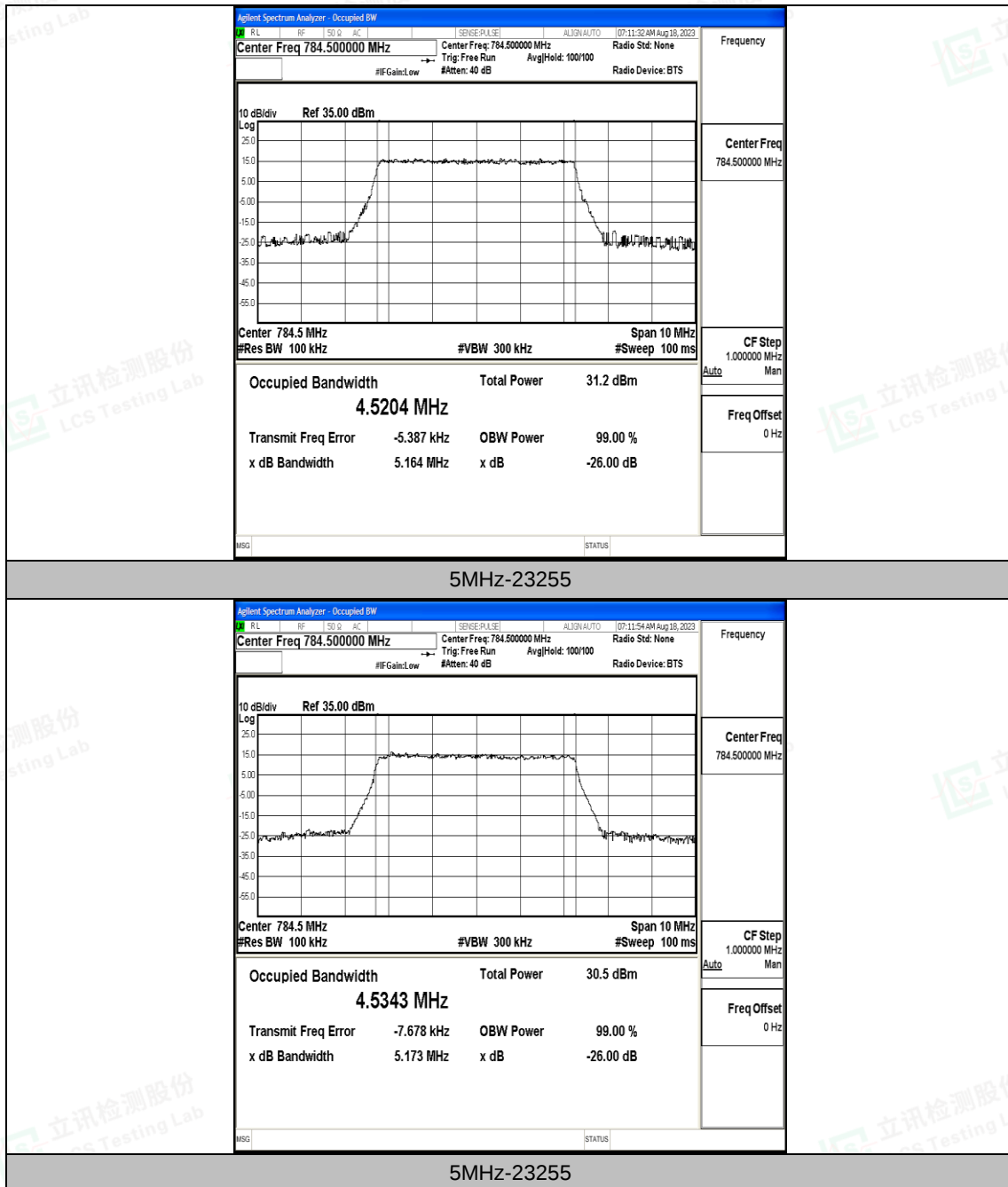


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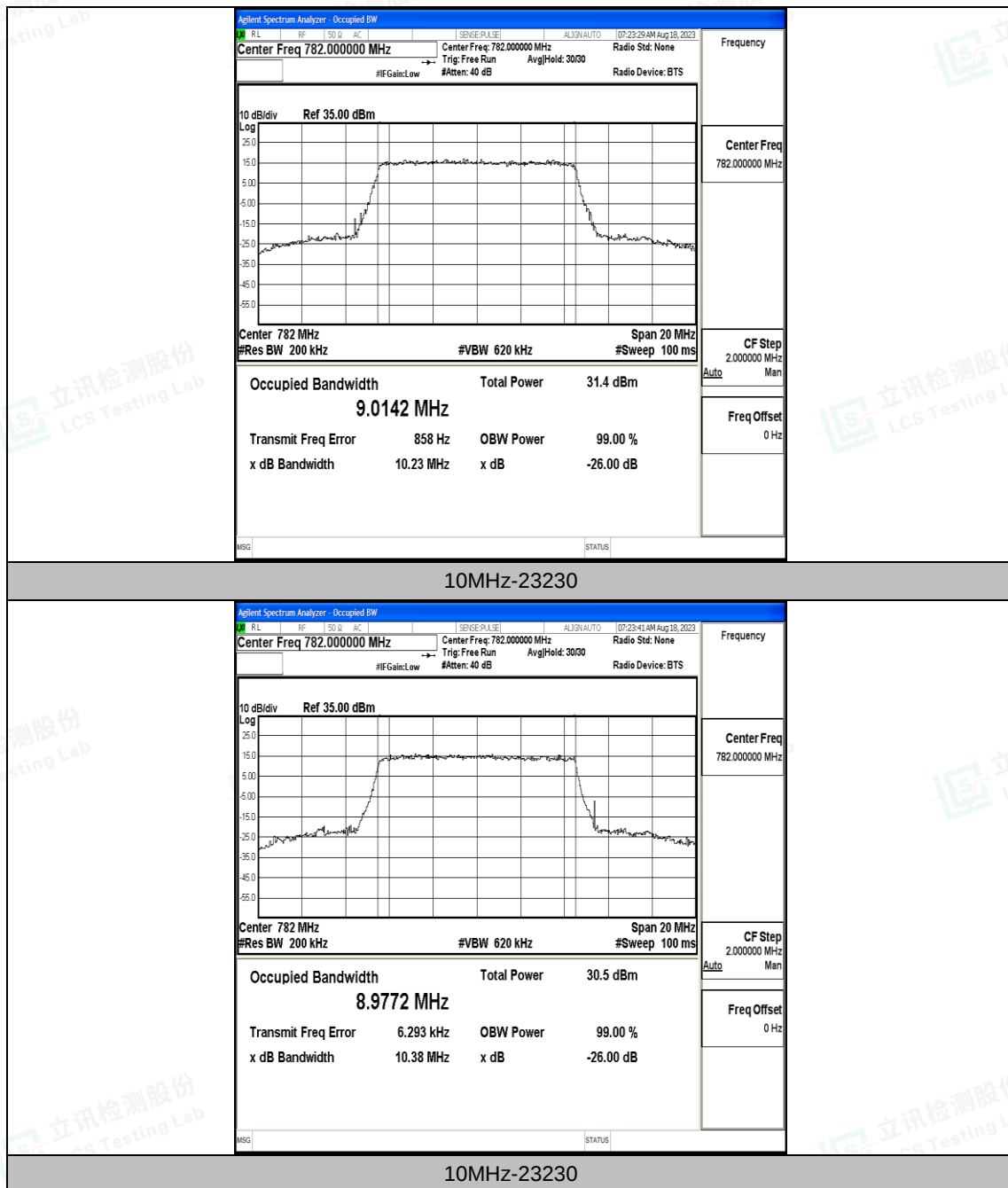


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J.4 Band Edge

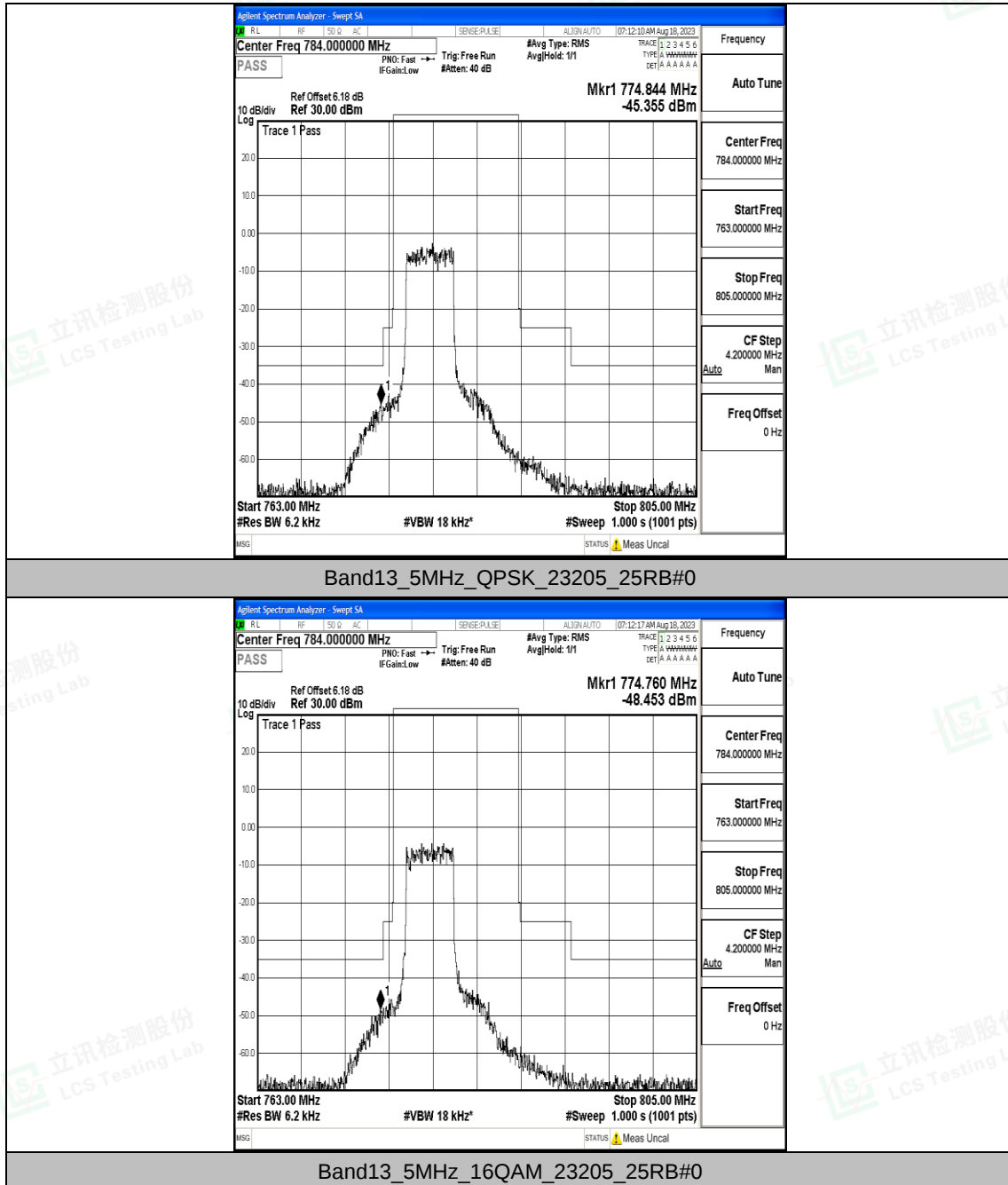
Test Result

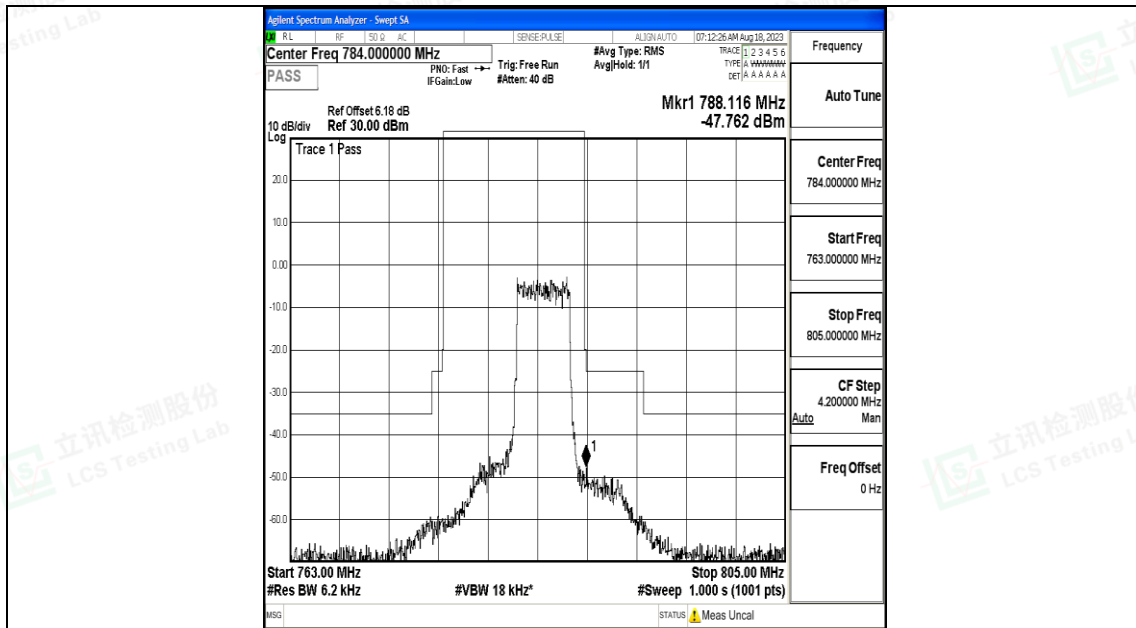
Band	Bandwidth	Modulation	Channel	RB Configuration	Peak Frequency	Result(dBm)	Verdict
Band13	5MHz	QPSK	23205	25RB#0	774.84	-45.36	PASS
Band13	5MHz	16QAM	23205	25RB#0	774.76	-48.45	PASS
Band13	5MHz	QPSK	23255	25RB#0	788.12	-47.76	PASS
Band13	5MHz	16QAM	23255	25RB#0	788.12	-49.85	PASS
Band13	10MHz	QPSK	23230	50RB#0	774.21	-47.42	PASS
Band13	10MHz	16QAM	23230	50RB#0	774.89	-49.04	PASS



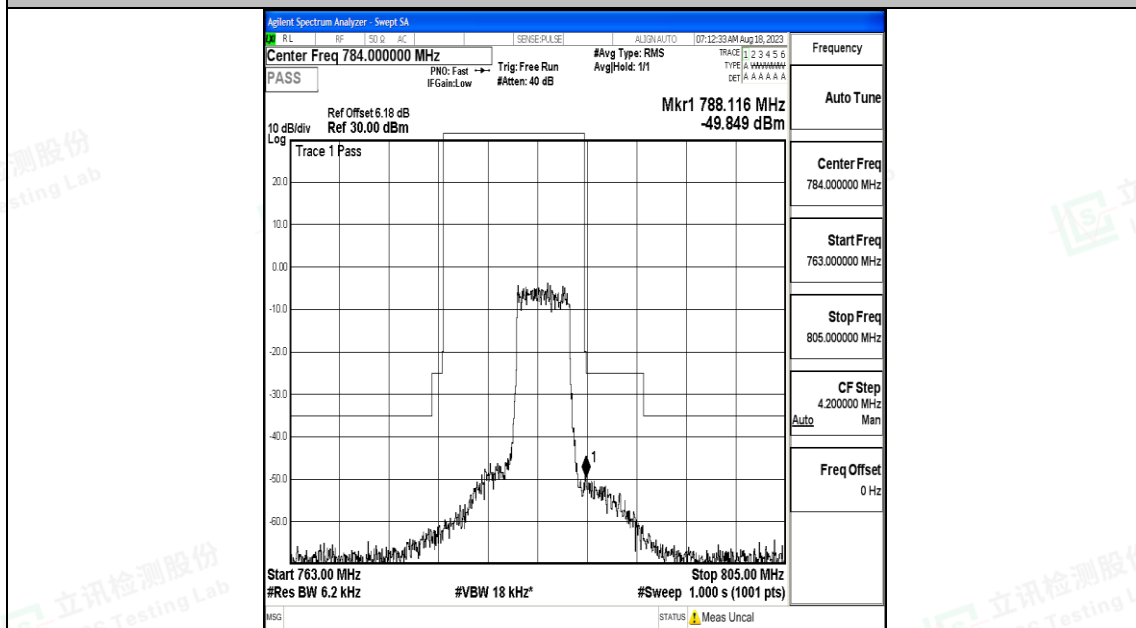


Test Graphs





Band13_5MHz_QPSK_23255_25RB#0



Band13_5MHz_16QAM_23255_25RB#0

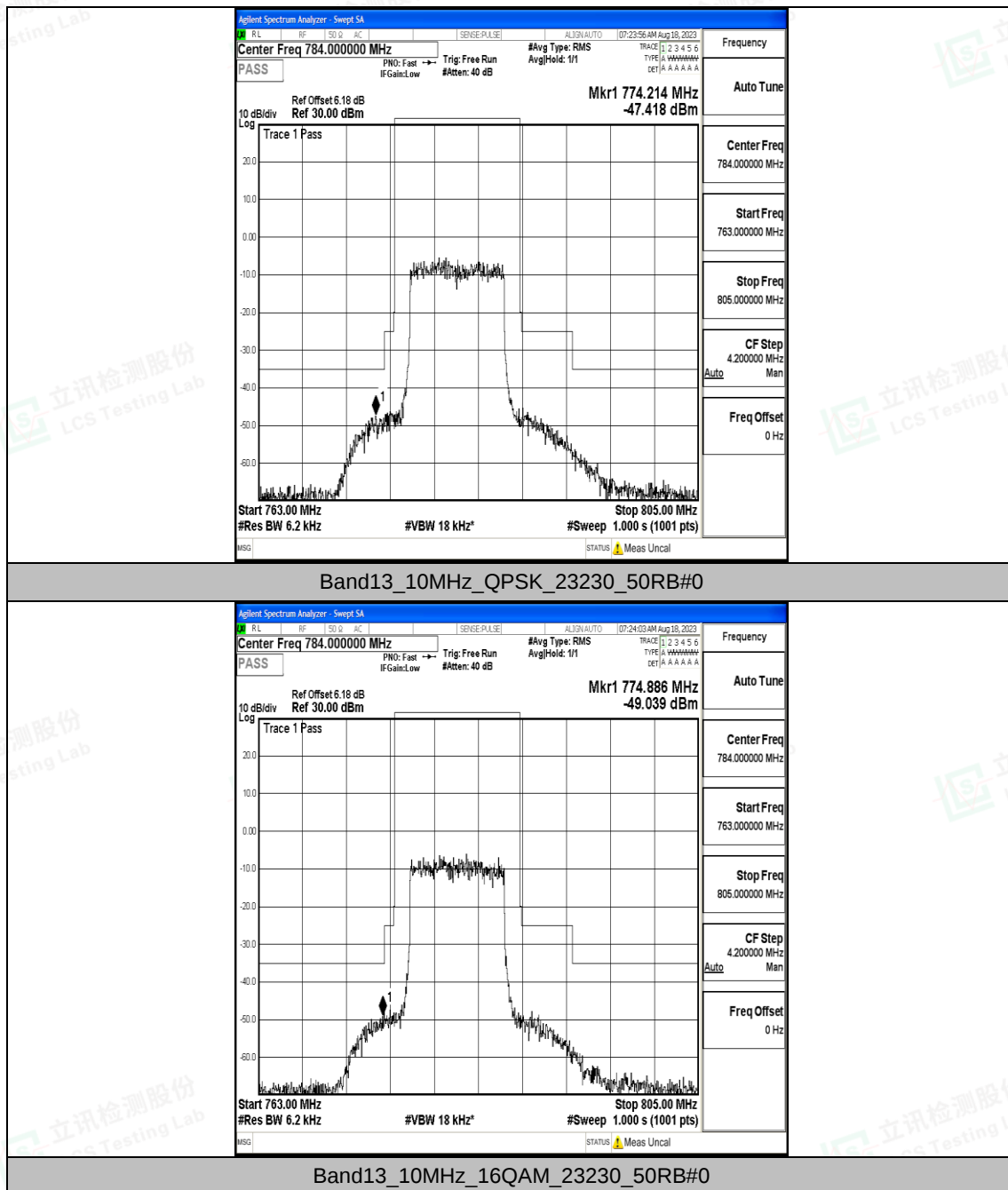


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J.5 Conducted Spurious Emission

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	0.009~0.15	-55.83	PASS
Band13	5MHz	QPSK	23205	1RB#0	0.15~30	-51.67	PASS
Band13	5MHz	QPSK	23205	1RB#0	30~1000	-63.38	PASS
Band13	5MHz	QPSK	23205	1RB#0	1000~3000	-42.39	PASS
Band13	5MHz	QPSK	23205	1RB#0	3000~10000	-44.40	PASS
Band13	5MHz	16QAM	23205	1RB#0	0.009~0.15	-55.69	PASS
Band13	5MHz	16QAM	23205	1RB#0	0.15~30	-54.13	PASS
Band13	5MHz	16QAM	23205	1RB#0	30~1000	-63.41	PASS
Band13	5MHz	16QAM	23205	1RB#0	1000~3000	-43.39	PASS
Band13	5MHz	16QAM	23205	1RB#0	3000~10000	-44.38	PASS
Band13	5MHz	QPSK	23230	1RB#0	0.009~0.15	-53.94	PASS
Band13	5MHz	QPSK	23230	1RB#0	0.15~30	-54.11	PASS
Band13	5MHz	QPSK	23230	1RB#0	30~1000	-63.37	PASS
Band13	5MHz	QPSK	23230	1RB#0	1000~3000	-41.99	PASS
Band13	5MHz	QPSK	23230	1RB#0	3000~10000	-43.97	PASS
Band13	5MHz	16QAM	23230	1RB#0	0.009~0.15	-56.19	PASS
Band13	5MHz	16QAM	23230	1RB#0	0.15~30	-53.92	PASS
Band13	5MHz	16QAM	23230	1RB#0	30~1000	-63.76	PASS
Band13	5MHz	16QAM	23230	1RB#0	1000~3000	-42.30	PASS
Band13	5MHz	16QAM	23230	1RB#0	3000~10000	-43.98	PASS
Band13	5MHz	QPSK	23255	1RB#0	0.009~0.15	-51.42	PASS
Band13	5MHz	QPSK	23255	1RB#0	0.15~30	-55.08	PASS
Band13	5MHz	QPSK	23255	1RB#0	30~1000	-63.72	PASS
Band13	5MHz	QPSK	23255	1RB#0	1000~3000	-41.86	PASS
Band13	5MHz	QPSK	23255	1RB#0	3000~10000	-43.36	PASS
Band13	5MHz	16QAM	23255	1RB#0	0.009~0.15	-52.48	PASS
Band13	5MHz	16QAM	23255	1RB#0	0.15~30	-55.33	PASS
Band13	5MHz	16QAM	23255	1RB#0	30~1000	-63.32	PASS
Band13	5MHz	16QAM	23255	1RB#0	1000~3000	-42.50	PASS
Band13	5MHz	16QAM	23255	1RB#0	3000~10000	-43.86	PASS
Band13	10MHz	QPSK	23230	1RB#0	0.009~0.15	-54.22	PASS
Band13	10MHz	QPSK	23230	1RB#0	0.15~30	-53.04	PASS
Band13	10MHz	QPSK	23230	1RB#0	30~1000	-63.50	PASS



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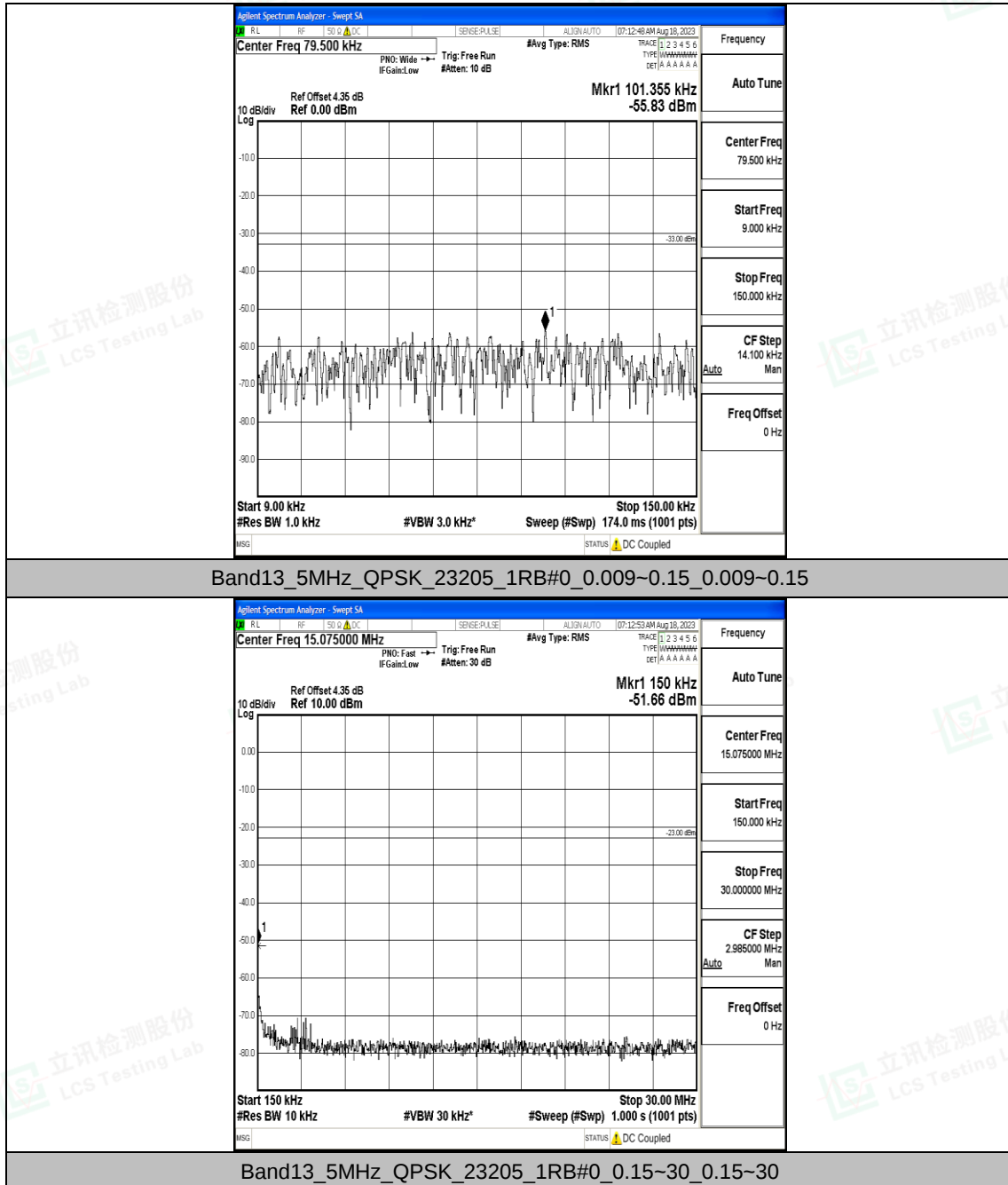


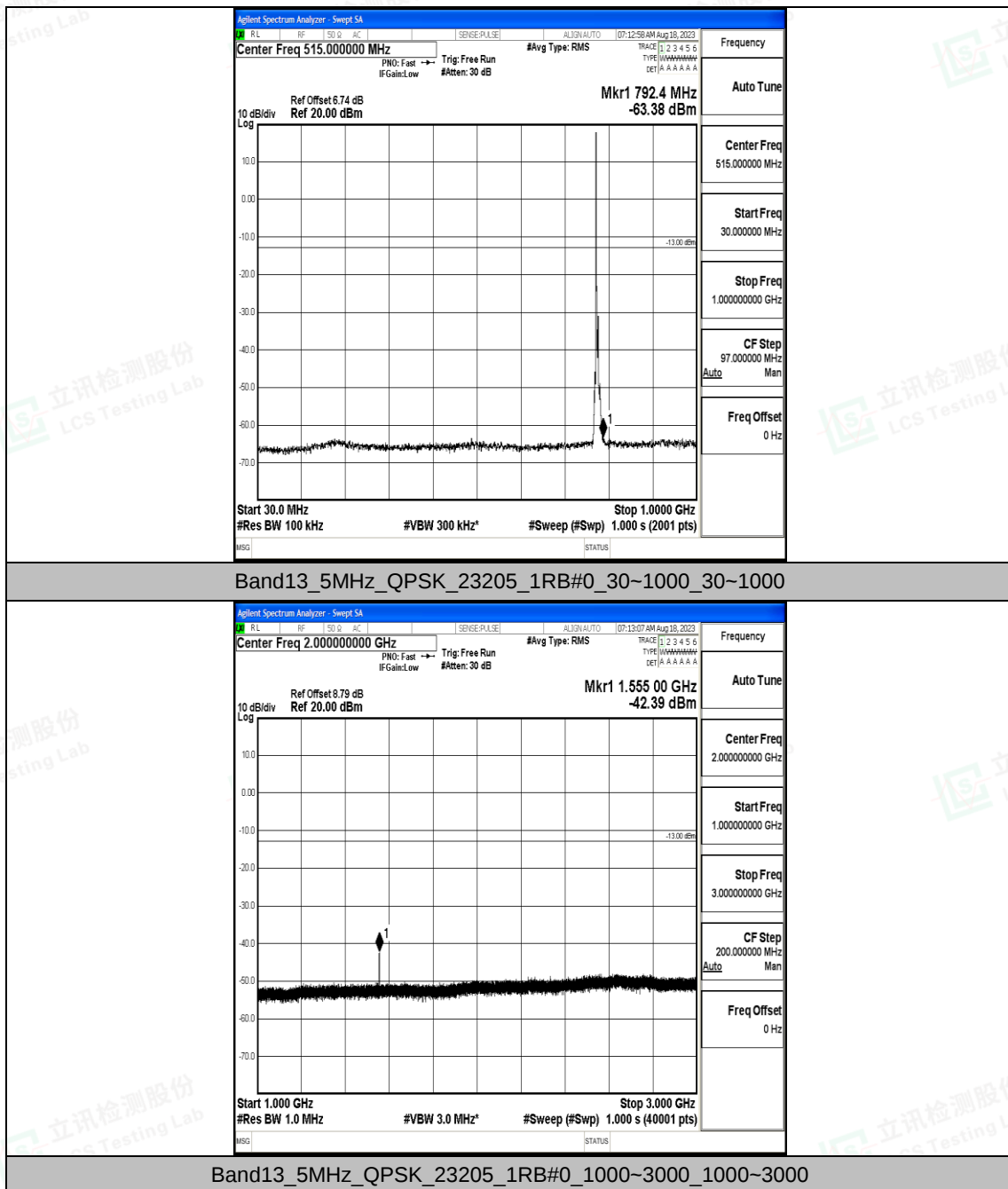
Band13	10MHz	QPSK	23230	1RB#0	1000~3000	-41.57	PASS
Band13	10MHz	QPSK	23230	1RB#0	3000~10000	-44.36	PASS
Band13	10MHz	16QAM	23230	1RB#0	0.009~0.15	-54.06	PASS
Band13	10MHz	16QAM	23230	1RB#0	0.15~30	-53.55	PASS
Band13	10MHz	16QAM	23230	1RB#0	30~1000	-63.60	PASS
Band13	10MHz	16QAM	23230	1RB#0	1000~3000	-40.90	PASS
Band13	10MHz	16QAM	23230	1RB#0	3000~10000	-44.48	PASS

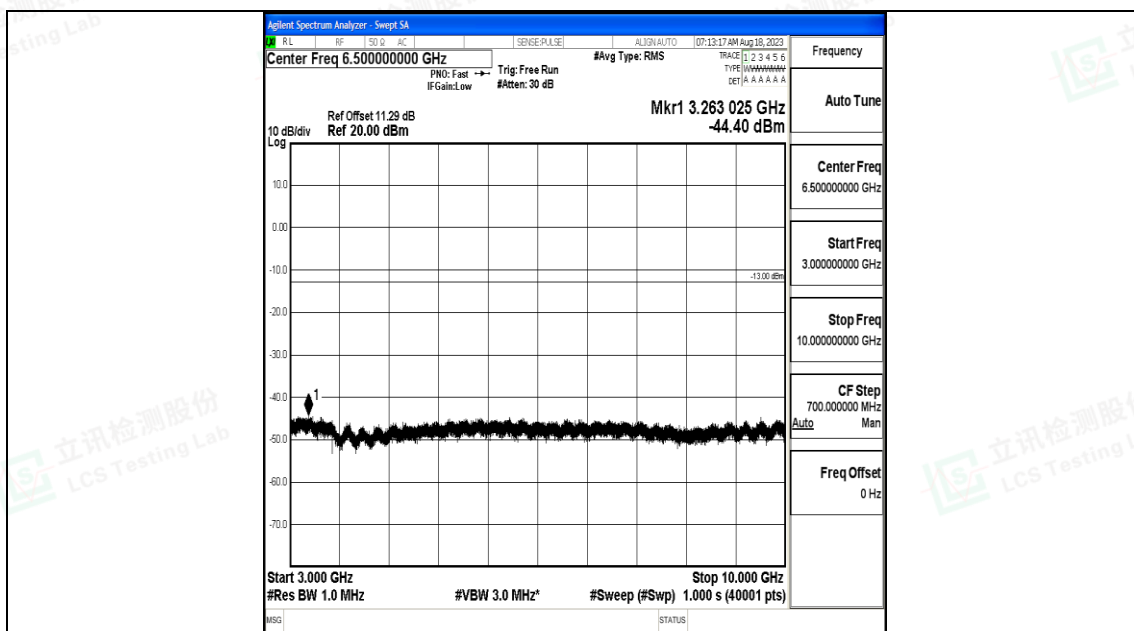




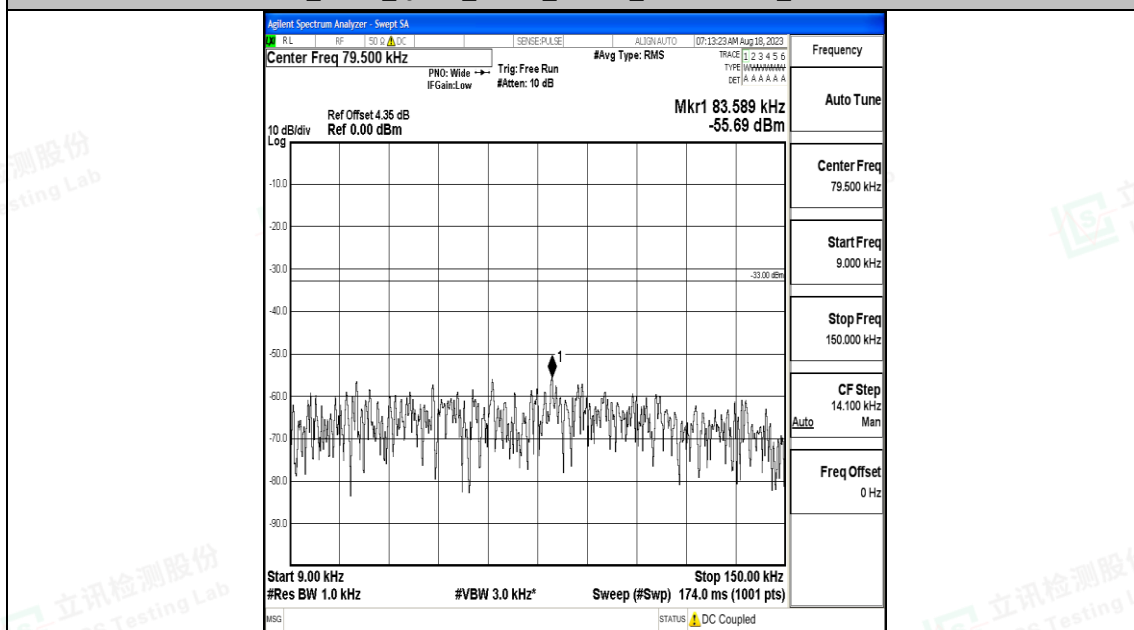
Test Graphs







Band13_5MHz_QPSK_23205_1RB#0_3000~10000_3000~10000



Band13_5MHz_16QAM_23205_1RB#0_0.009~0.15_0.009~0.15

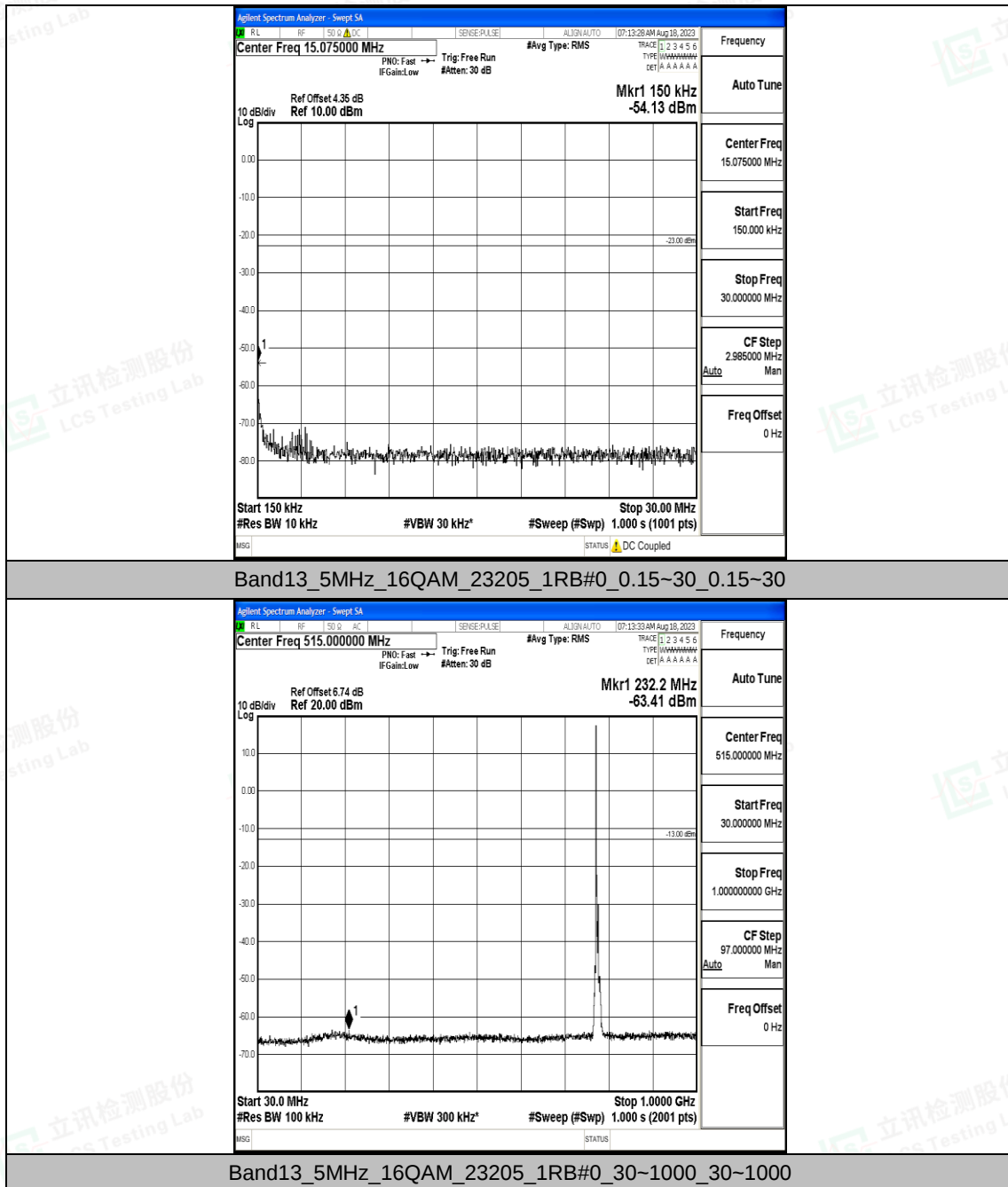


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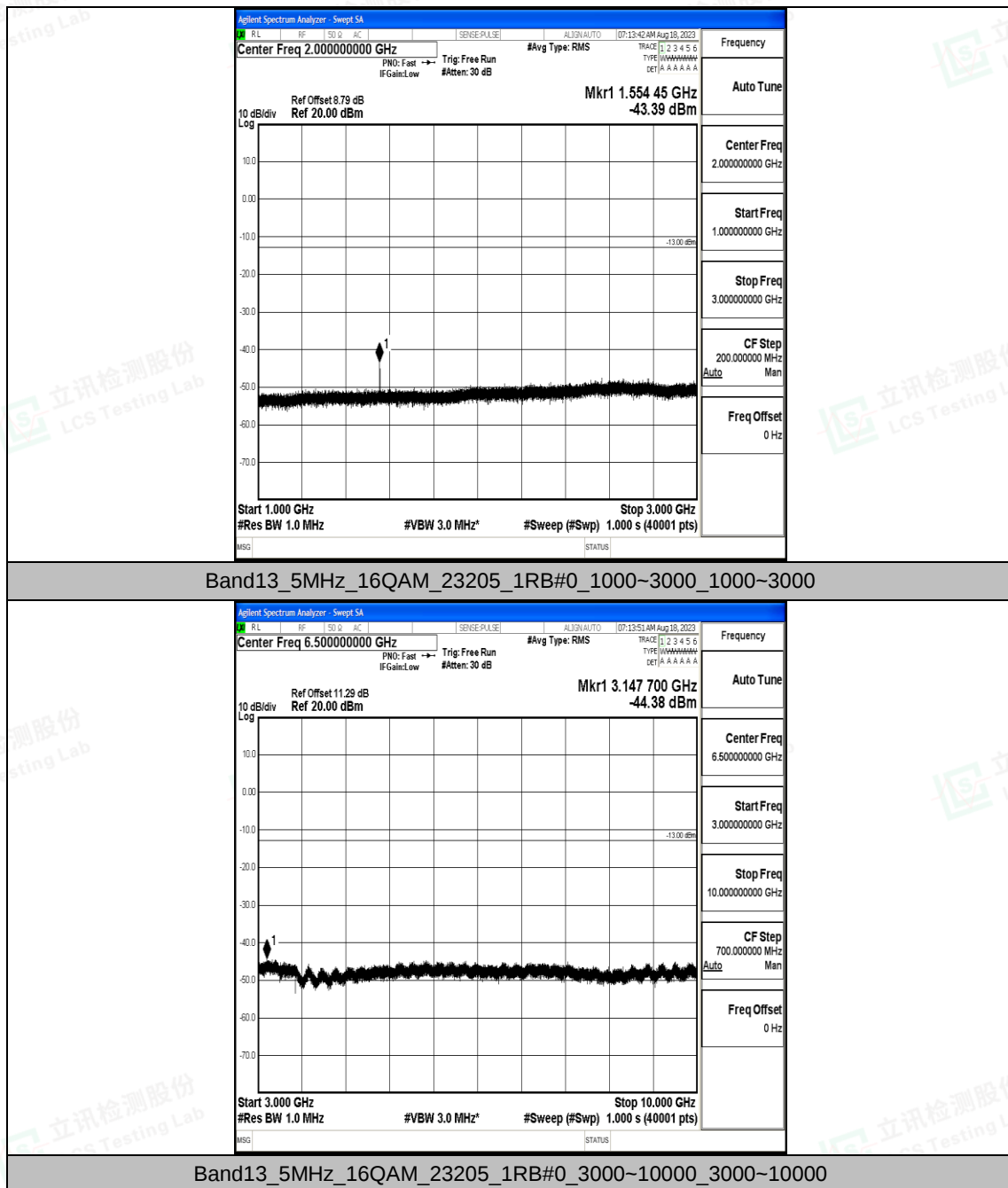


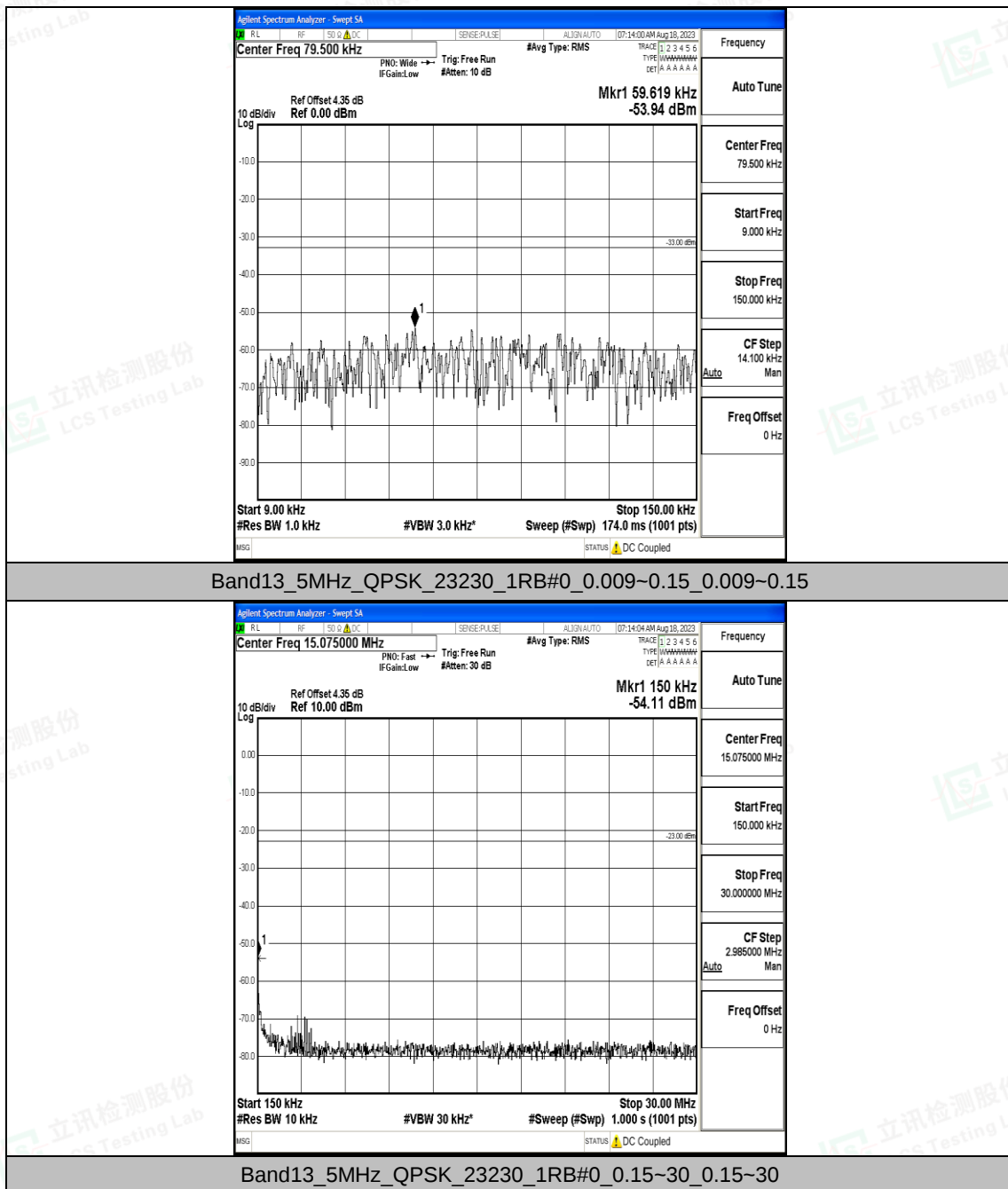
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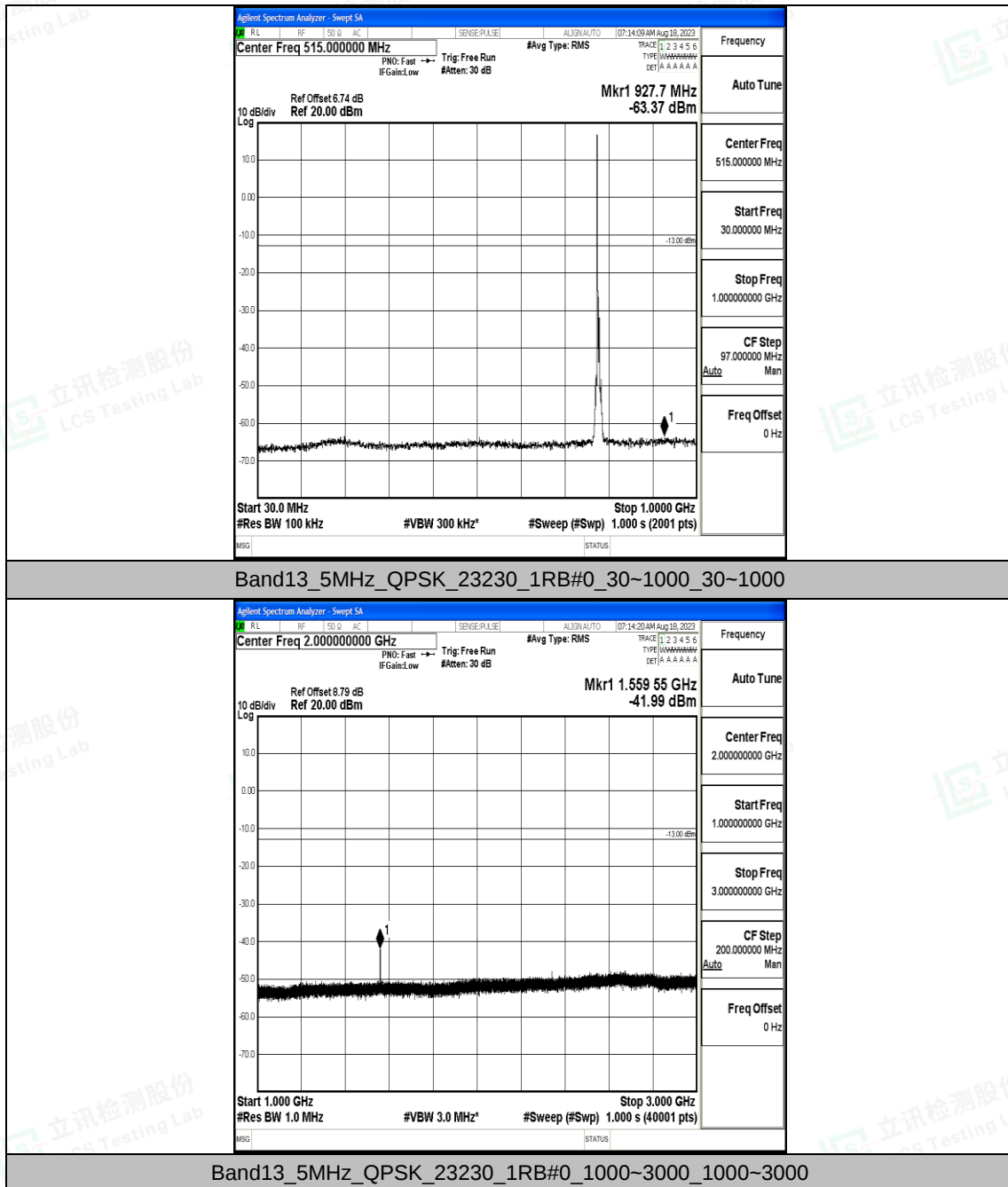
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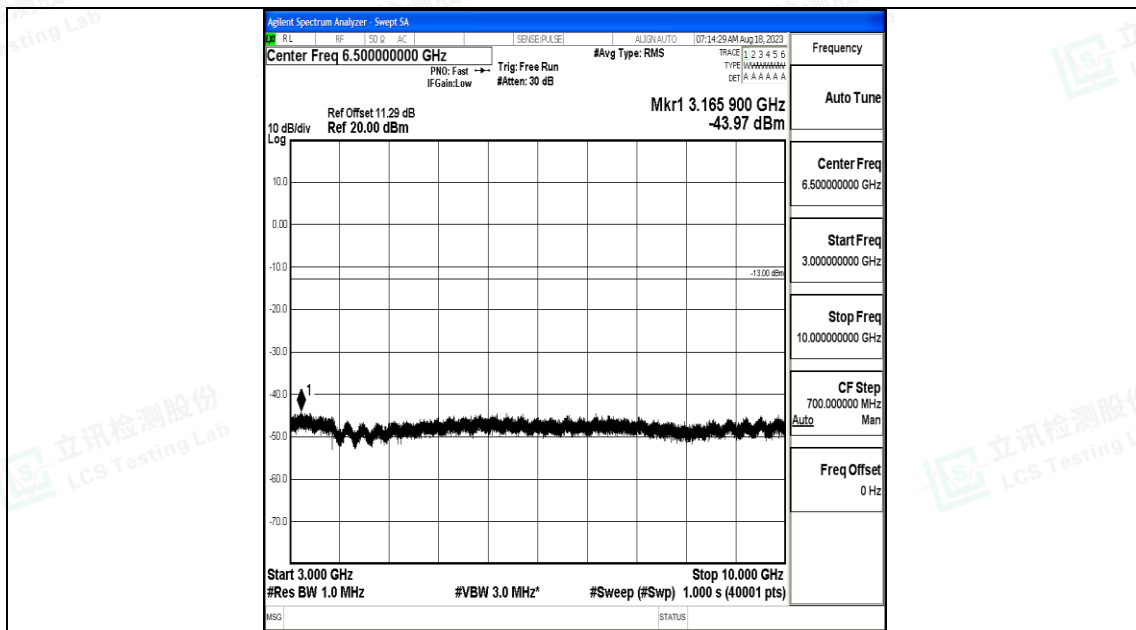
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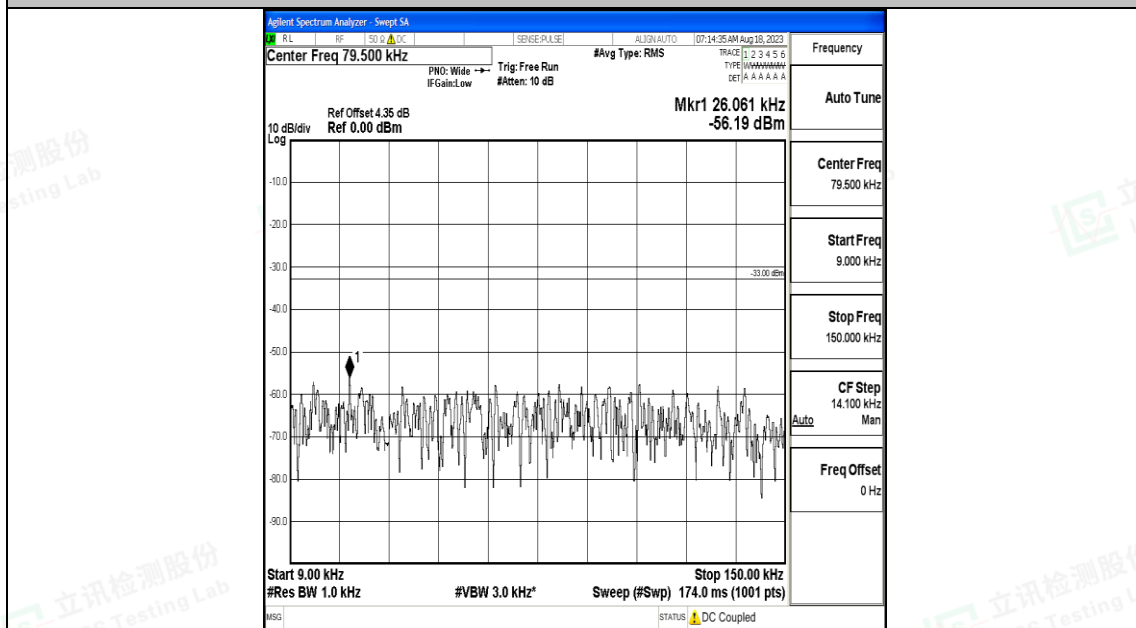






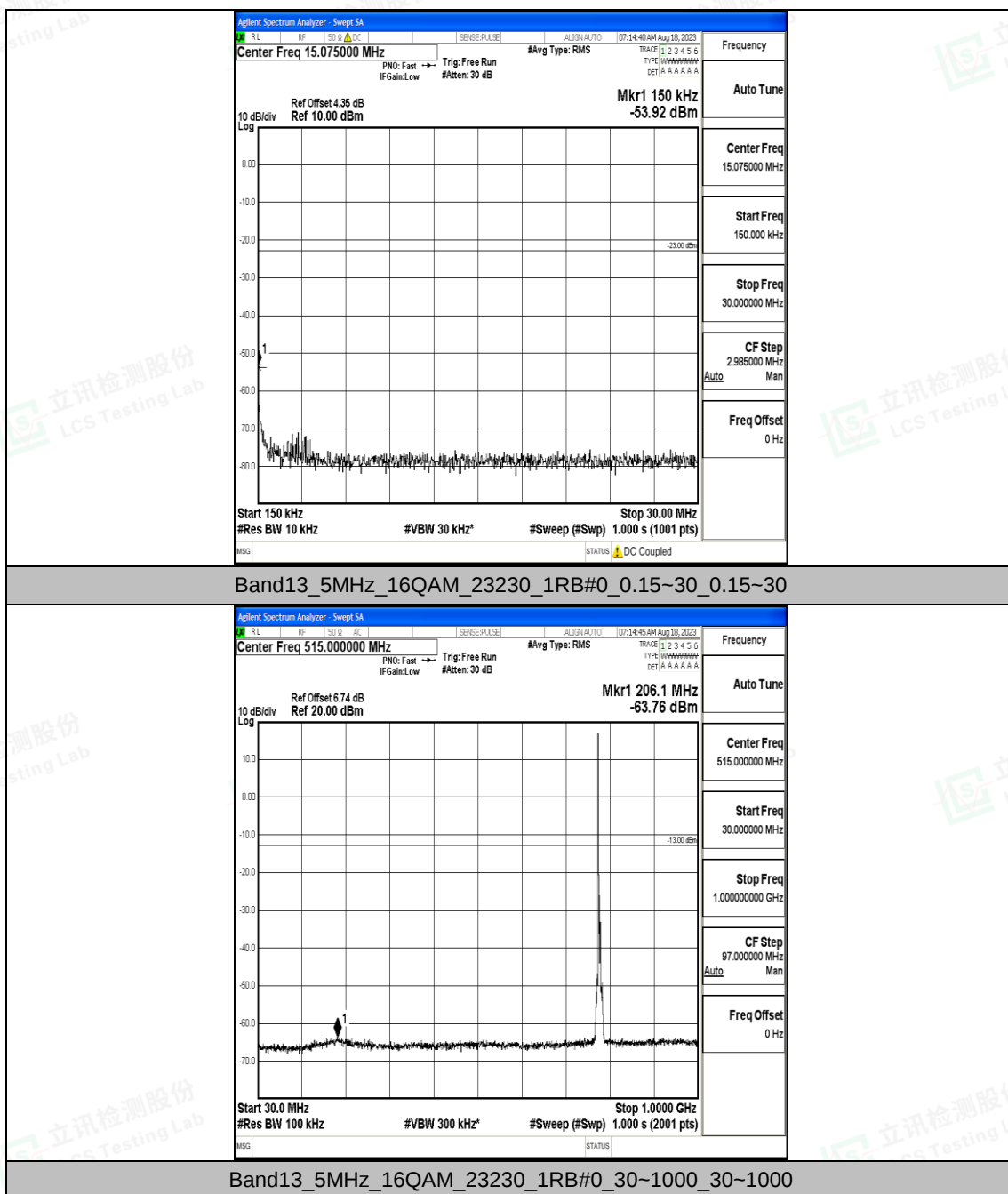


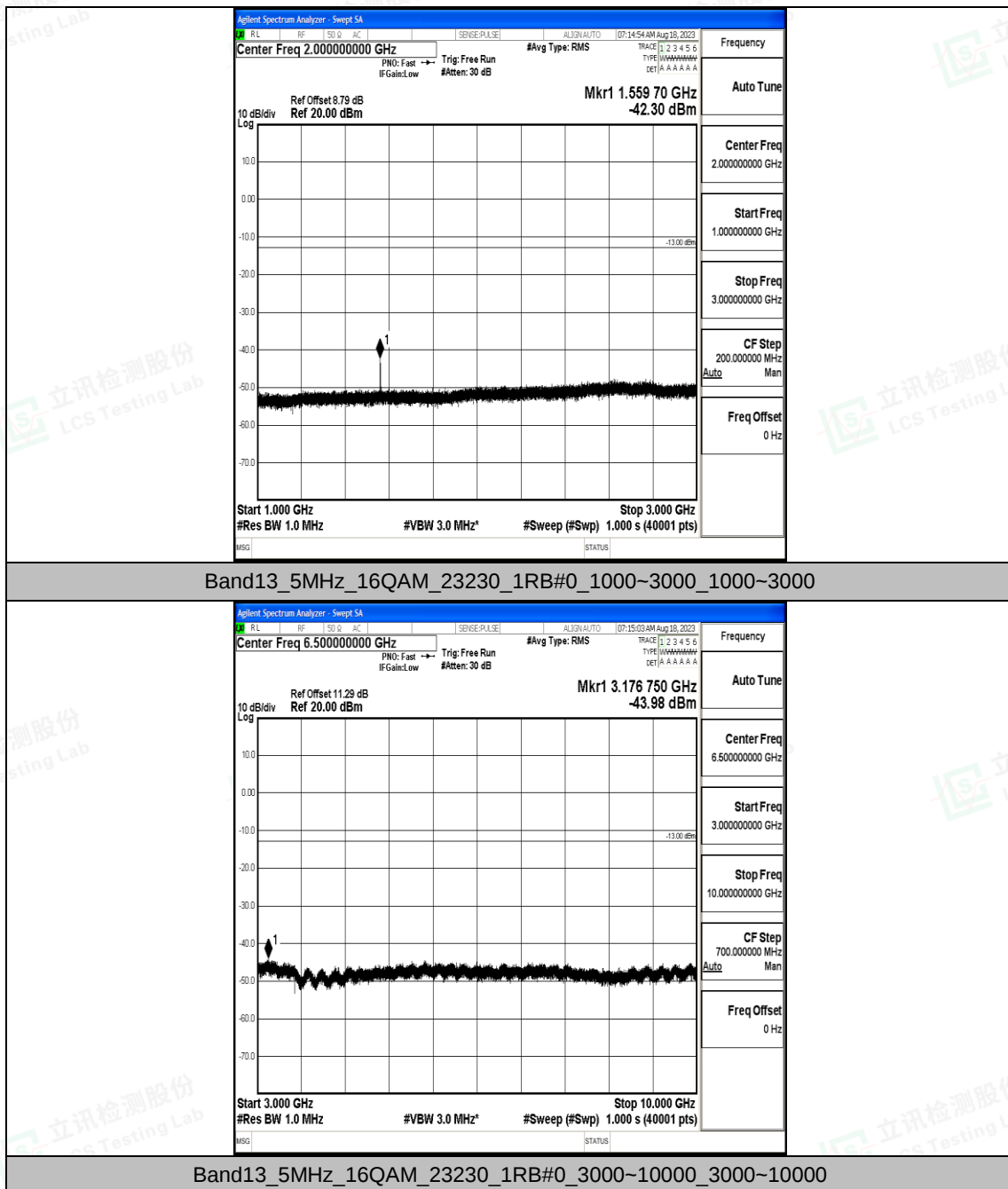
Band13_5MHz_QPSK_23230_1RB#0_3000~10000_3000~10000

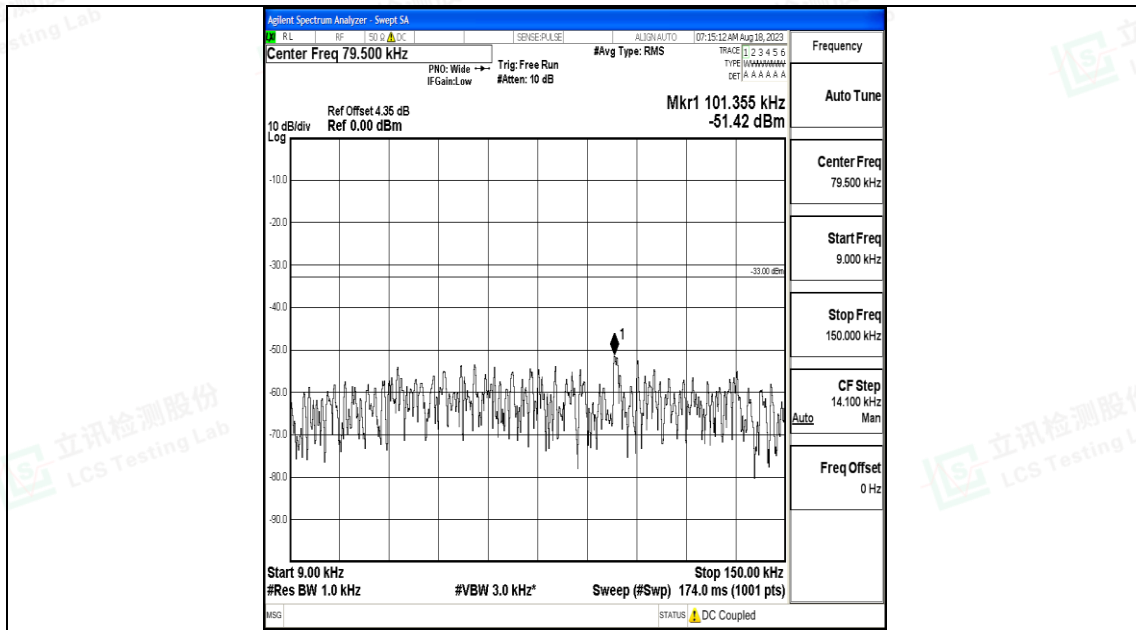


Band13_5MHz_16QAM_23230_1RB#0_0.009~0.15_0.009~0.15

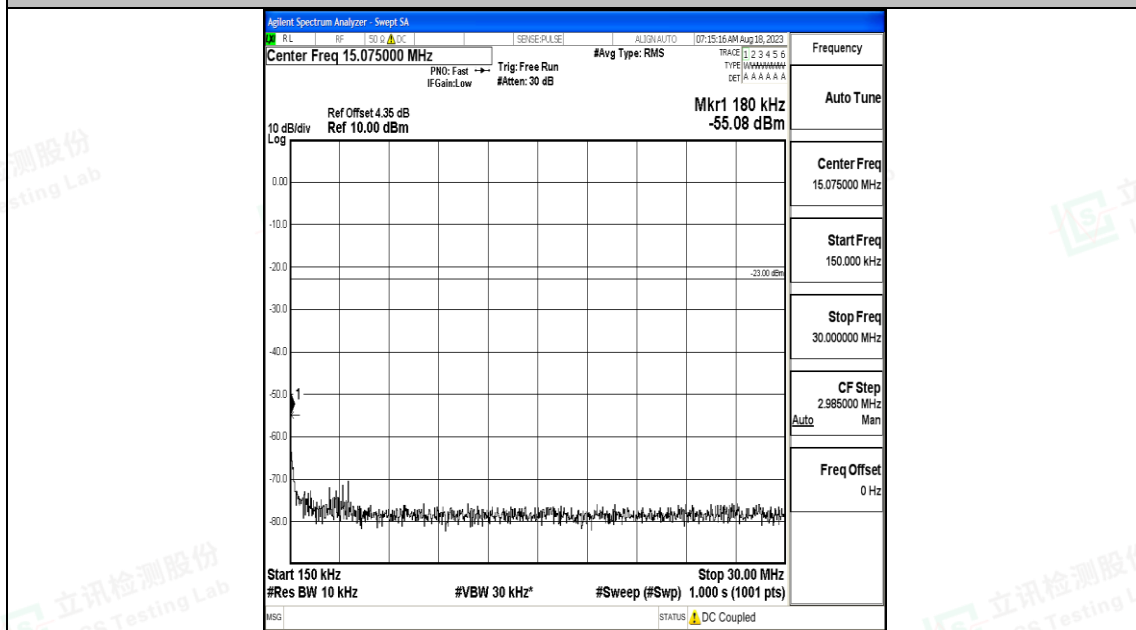








Band13_5MHz_QPSK_23255_1RB#0_0.009~0.15_0.009~0.15



Band13_5MHz_QPSK_23255_1RB#0_0.15~30_0.15~30

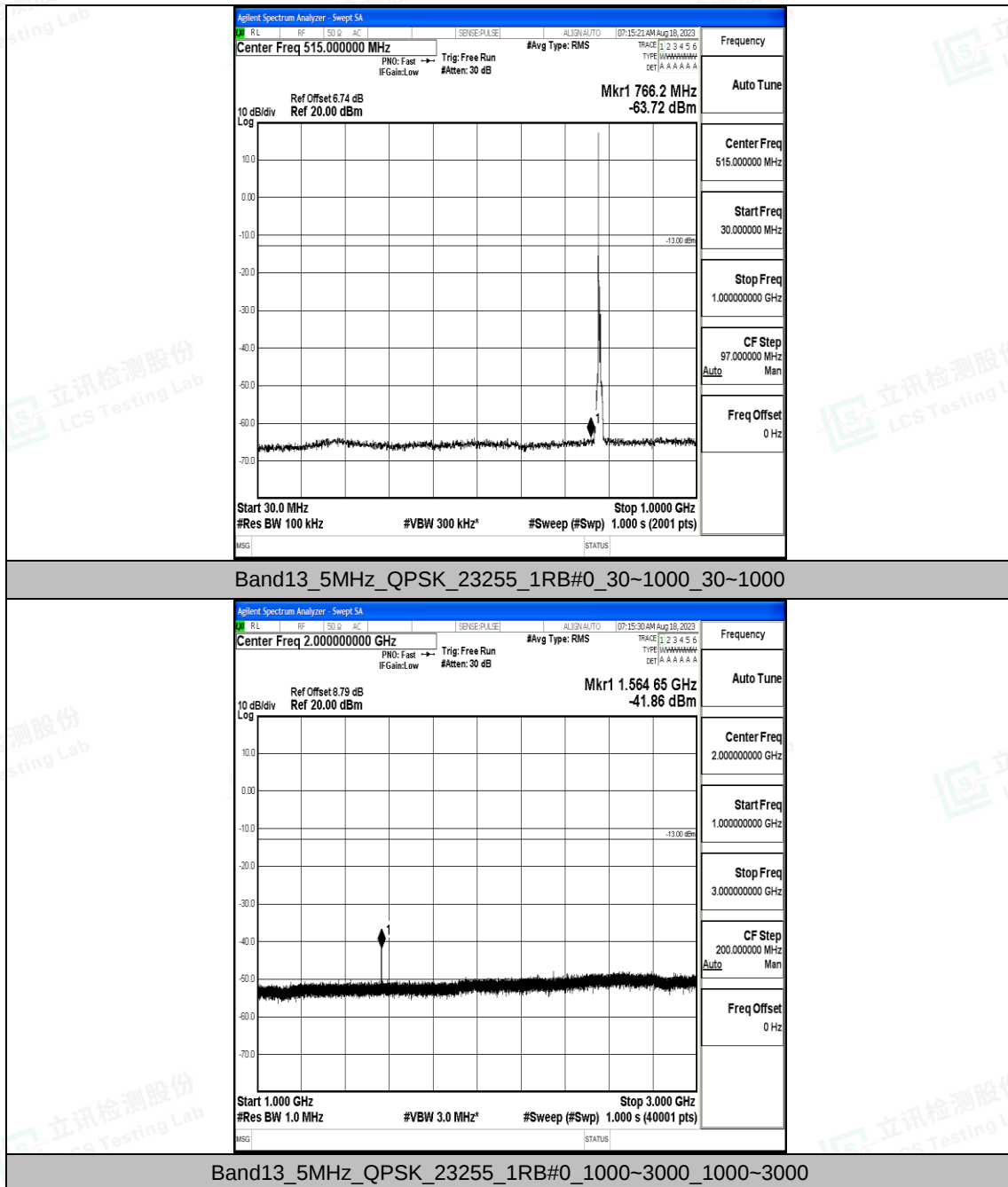


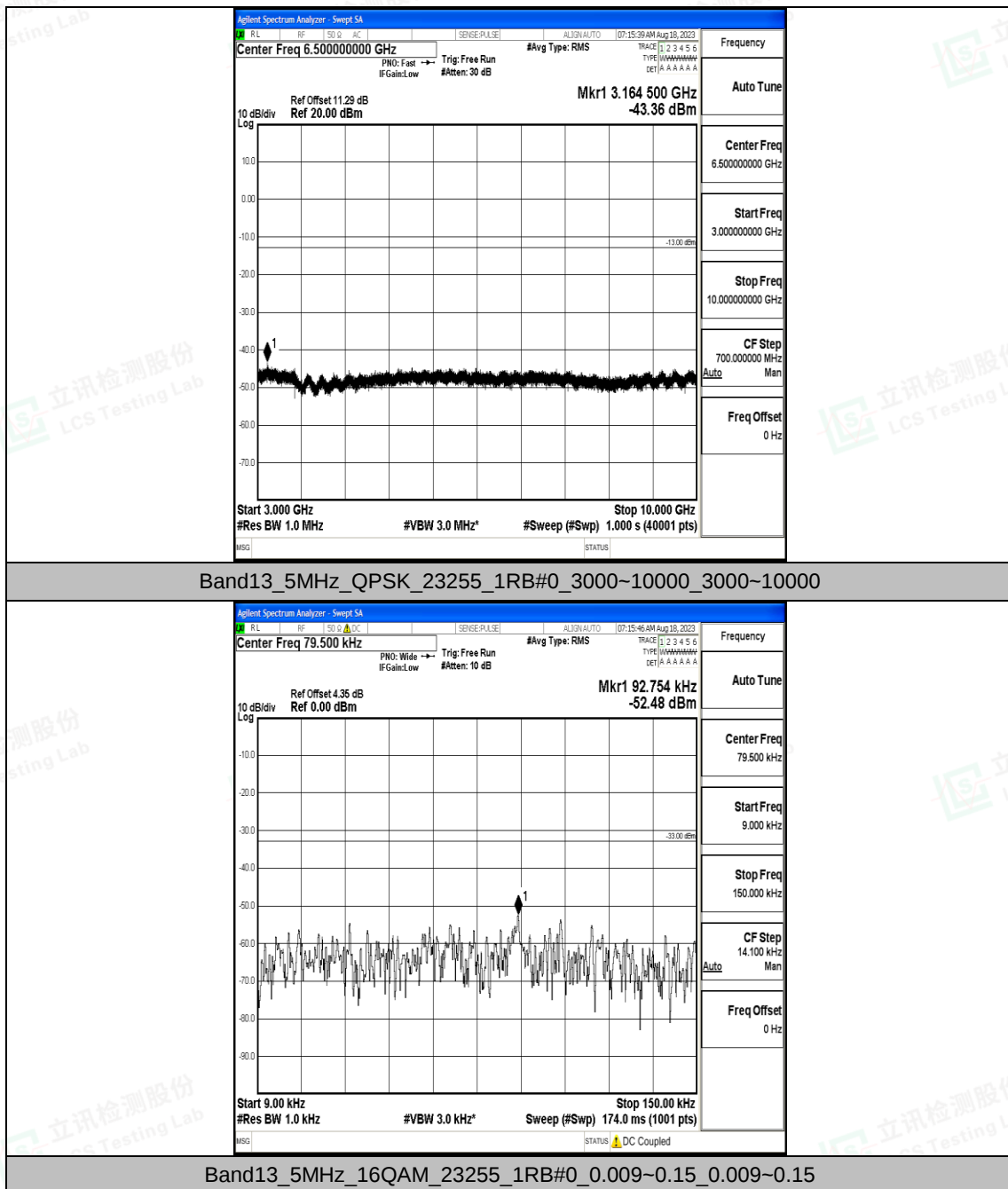
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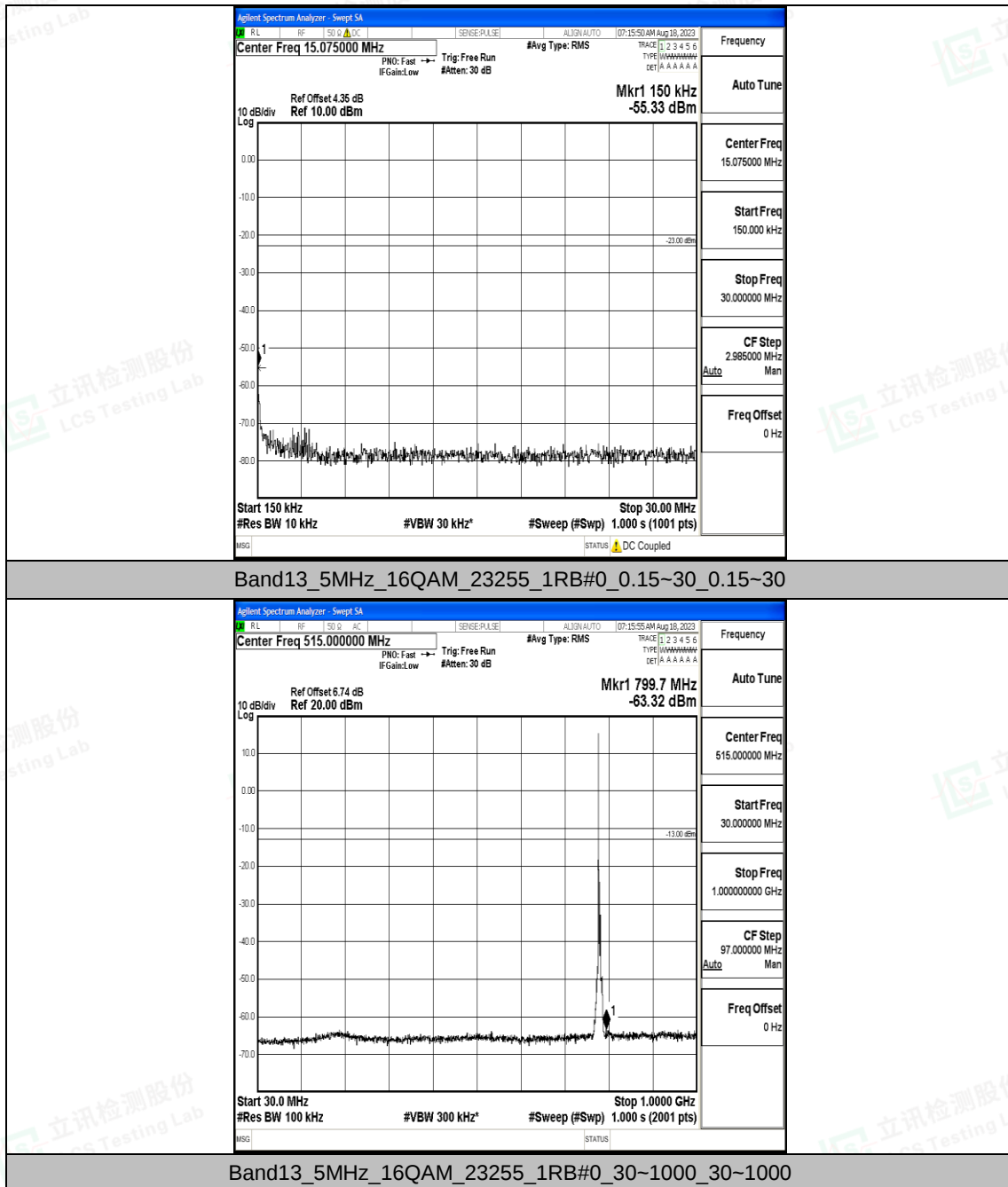
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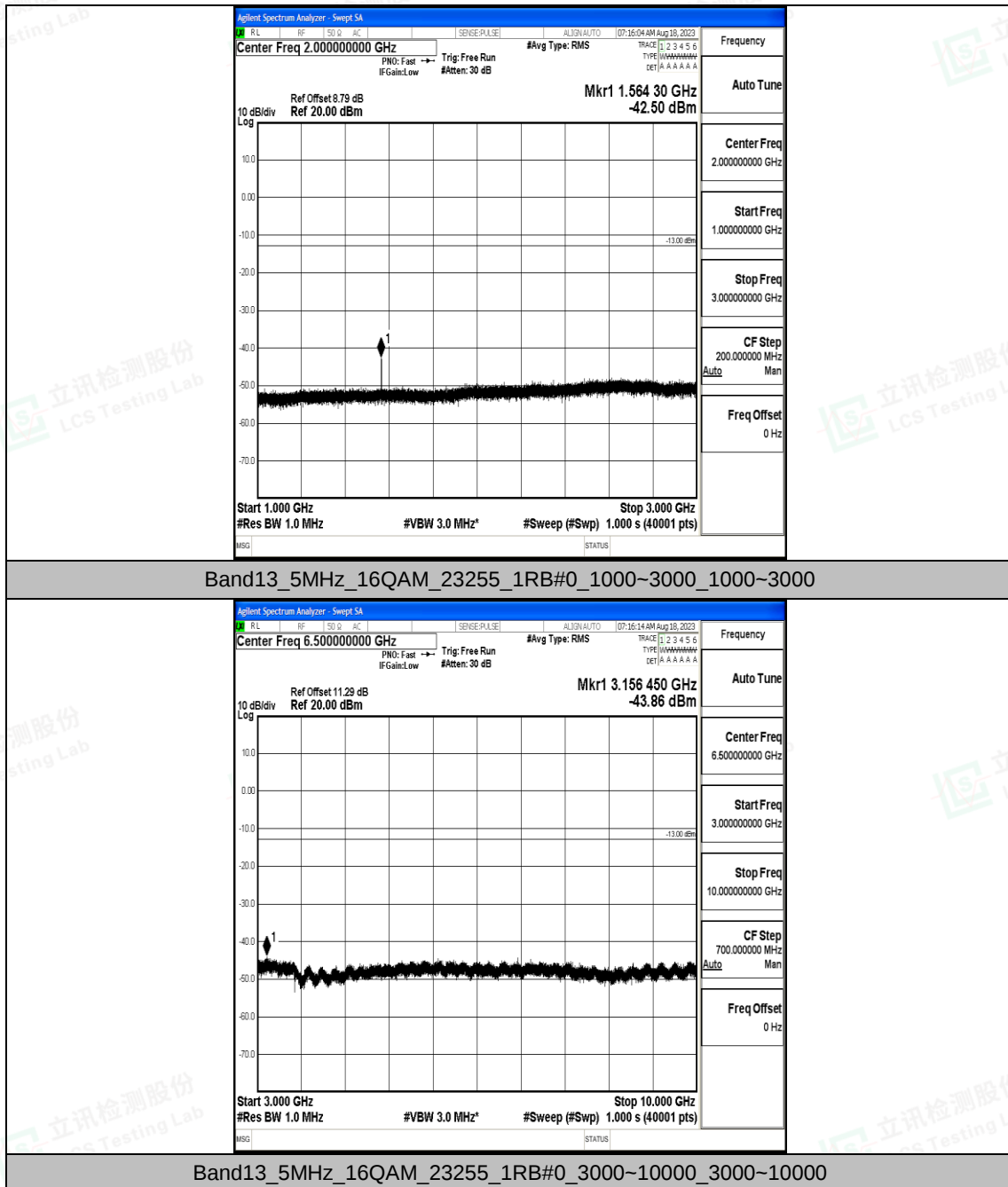
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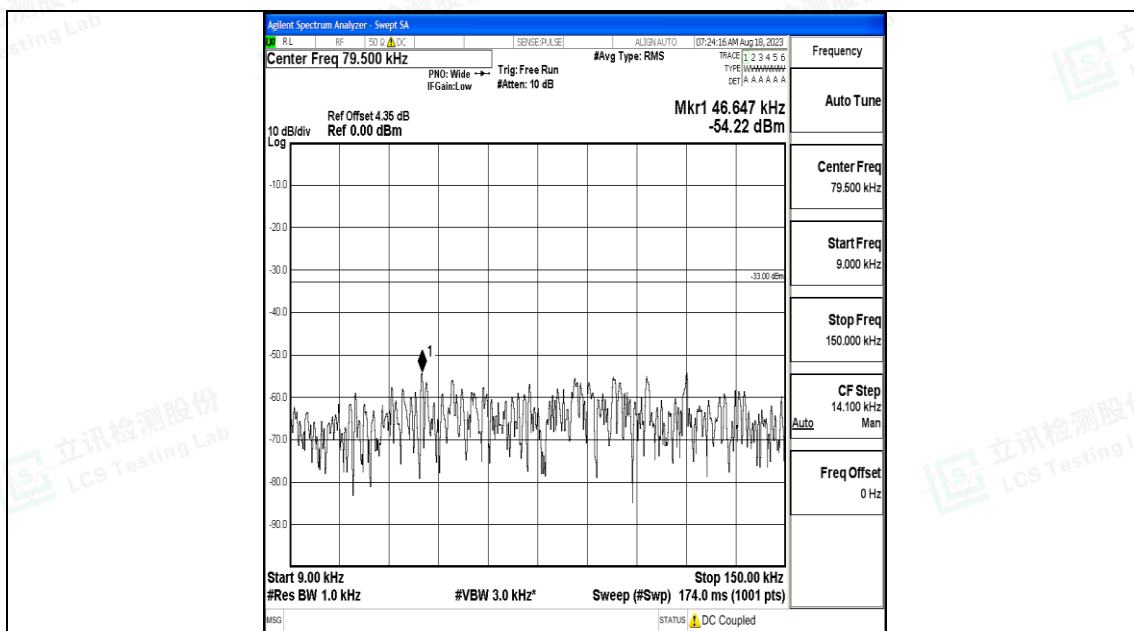
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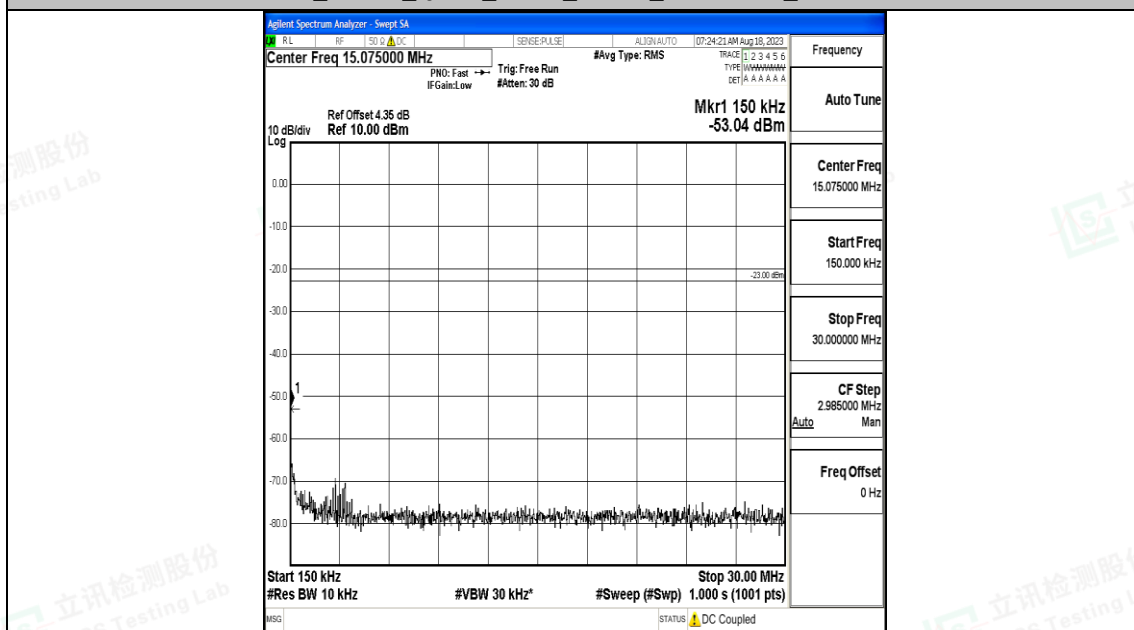








Band13_10MHz_QPSK_23230_1RB#0_0.009~0.15_0.009~0.15



Band13_10MHz_QPSK_23230_1RB#0_0.15~30_0.15~30

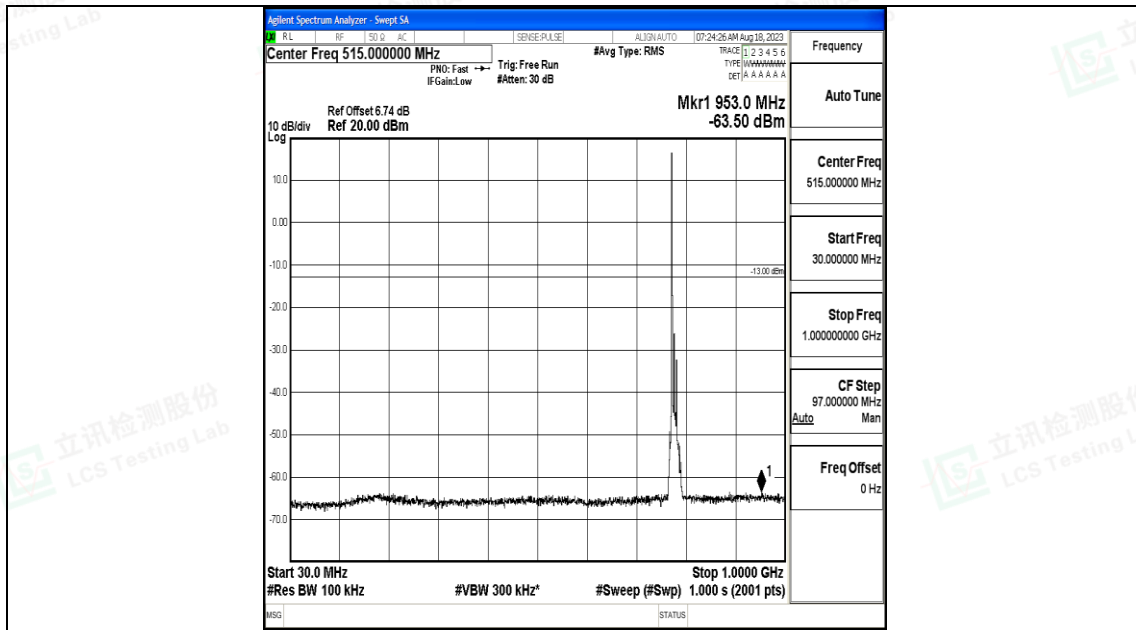


Shenzhen LCS Compliance Testing Laboratory Ltd.

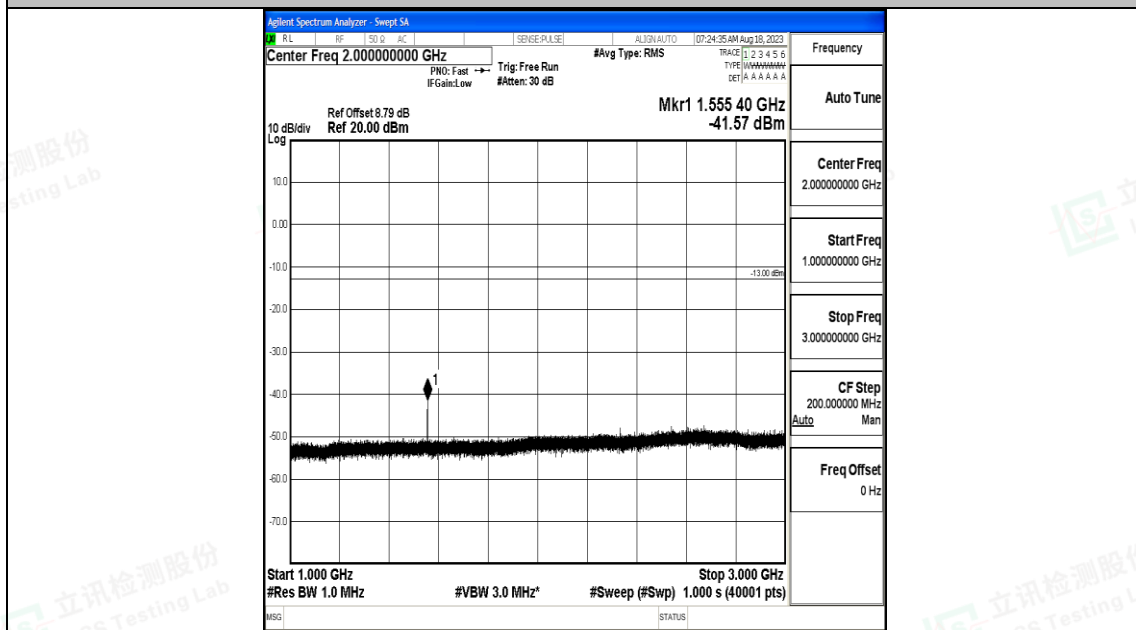
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

Scan code to check authenticity

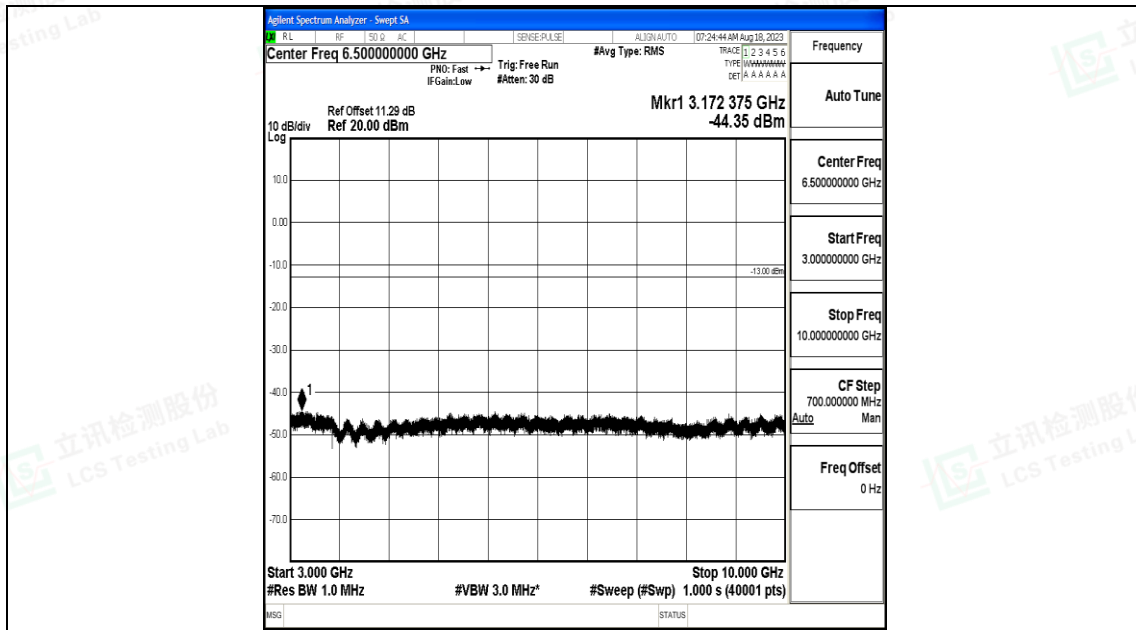


Band13_10MHz_QPSK_23230_1RB#0_30~1000_30~1000

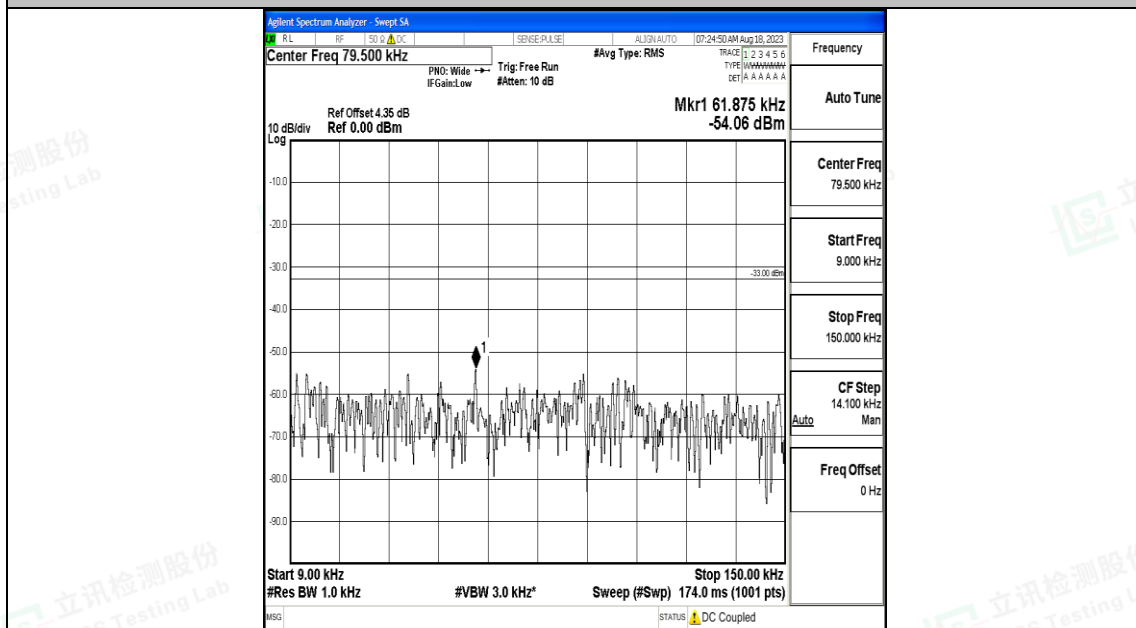


Band13_10MHz_QPSK_23230_1RB#0_1000~3000_1000~3000



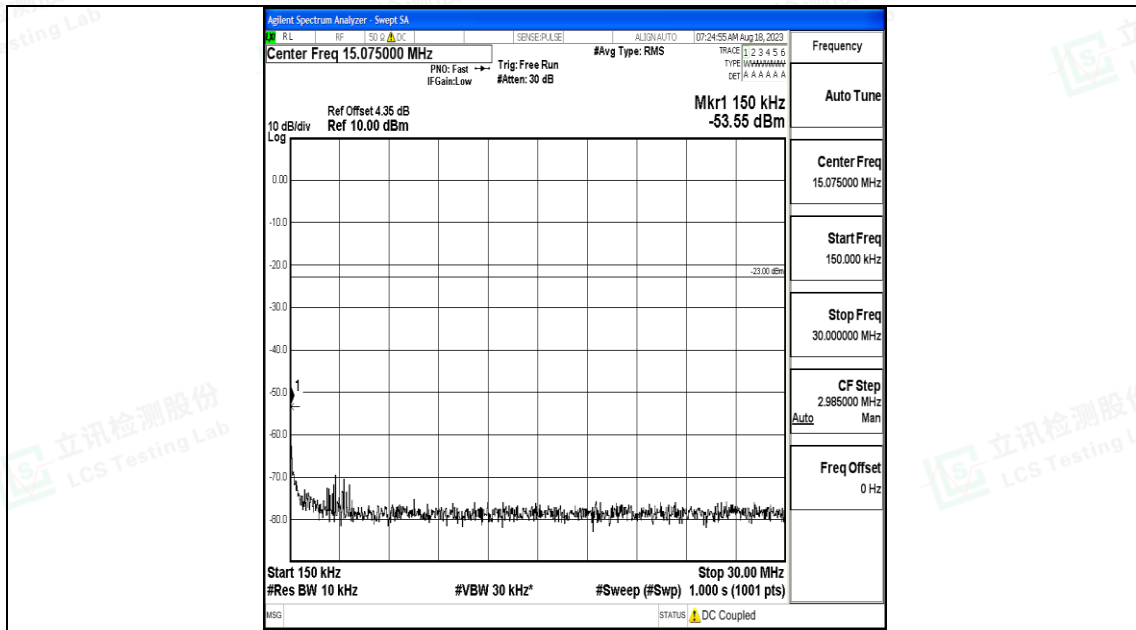


Band13_10MHz_QPSK_23230_1RB#0_3000~10000_3000~10000

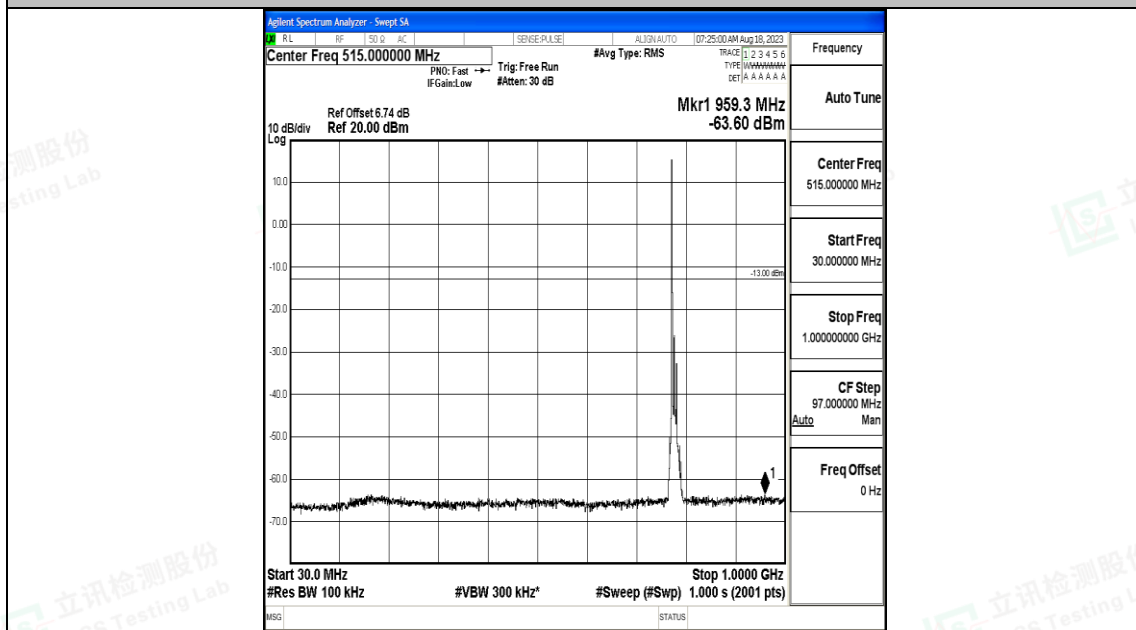


Band13_10MHz_16QAM_23230_1RB#0_0.009~0.15_0.009~0.15





Band13_10MHz_16QAM_23230_1RB#0_0.15~30_0.15~30



Band13_10MHz_16QAM_23230_1RB#0_30~1000_30~1000



