



Appendix E: Test Data for E-UTRA Band 13

Product Name: Medical Alarm System

Test Model: T30H-G

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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E.1 Conducted Output Power Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	24.33	PASS
Band13	5MHz	16QAM	23205	1RB#0	22.86	PASS
Band13	5MHz	QPSK	23205	1RB#12	24.17	PASS
Band13	5MHz	16QAM	23205	1RB#12	22.94	PASS
Band13	5MHz	QPSK	23205	1RB#24	24.17	PASS
Band13	5MHz	16QAM	23205	1RB#24	22.77	PASS
Band13	5MHz	QPSK	23205	12RB#0	23.20	PASS
Band13	5MHz	16QAM	23205	12RB#0	22.58	PASS
Band13	5MHz	QPSK	23205	12RB#6	23.20	PASS
Band13	5MHz	16QAM	23205	12RB#6	22.57	PASS
Band13	5MHz	QPSK	23205	12RB#13	23.24	PASS
Band13	5MHz	16QAM	23205	12RB#13	22.49	PASS
Band13	5MHz	QPSK	23205	25RB#0	23.28	PASS
Band13	5MHz	16QAM	23205	25RB#0	22.62	PASS
Band13	5MHz	QPSK	23230	1RB#0	23.94	PASS
Band13	5MHz	16QAM	23230	1RB#0	23.64	PASS
Band13	5MHz	QPSK	23230	1RB#12	23.81	PASS
Band13	5MHz	16QAM	23230	1RB#12	23.66	PASS
Band13	5MHz	QPSK	23230	1RB#24	23.82	PASS
Band13	5MHz	16QAM	23230	1RB#24	23.52	PASS
Band13	5MHz	QPSK	23230	12RB#0	23.29	PASS
Band13	5MHz	16QAM	23230	12RB#0	22.55	PASS
Band13	5MHz	QPSK	23230	12RB#6	23.23	PASS
Band13	5MHz	16QAM	23230	12RB#6	22.54	PASS
Band13	5MHz	QPSK	23230	12RB#13	23.19	PASS
Band13	5MHz	16QAM	23230	12RB#13	22.38	PASS
Band13	5MHz	QPSK	23230	25RB#0	23.18	PASS
Band13	5MHz	16QAM	23230	25RB#0	22.46	PASS
Band13	5MHz	QPSK	23255	1RB#0	23.89	PASS
Band13	5MHz	16QAM	23255	1RB#0	23.03	PASS
Band13	5MHz	QPSK	23255	1RB#12	23.80	PASS
Band13	5MHz	16QAM	23255	1RB#12	22.94	PASS
Band13	5MHz	QPSK	23255	1RB#24	23.64	PASS
Band13	5MHz	16QAM	23255	1RB#24	22.78	PASS
Band13	5MHz	QPSK	23255	12RB#0	23.19	PASS
Band13	5MHz	16QAM	23255	12RB#0	22.35	PASS



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Band13	5MHz	QPSK	23255	12RB#6	23.19	PASS
Band13	5MHz	16QAM	23255	12RB#6	22.35	PASS
Band13	5MHz	QPSK	23255	12RB#13	23.01	PASS
Band13	5MHz	16QAM	23255	12RB#13	22.27	PASS
Band13	5MHz	QPSK	23255	25RB#0	23.05	PASS
Band13	5MHz	16QAM	23255	25RB#0	22.39	PASS
Band13	10MHz	QPSK	23230	1RB#0	23.61	PASS
Band13	10MHz	16QAM	23230	1RB#0	22.89	PASS
Band13	10MHz	QPSK	23230	1RB#24	23.55	PASS
Band13	10MHz	16QAM	23230	1RB#24	22.79	PASS
Band13	10MHz	QPSK	23230	1RB#49	23.21	PASS
Band13	10MHz	16QAM	23230	1RB#49	22.61	PASS
Band13	10MHz	QPSK	23230	25RB#0	22.77	PASS
Band13	10MHz	16QAM	23230	25RB#0	22.04	PASS
Band13	10MHz	QPSK	23230	25RB#12	22.77	PASS
Band13	10MHz	16QAM	23230	25RB#12	22.04	PASS
Band13	10MHz	QPSK	23230	25RB#25	22.63	PASS
Band13	10MHz	16QAM	23230	25RB#25	21.85	PASS
Band13	10MHz	QPSK	23230	50RB#0	22.63	PASS
Band13	10MHz	16QAM	23230	50RB#0	22.05	PASS



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

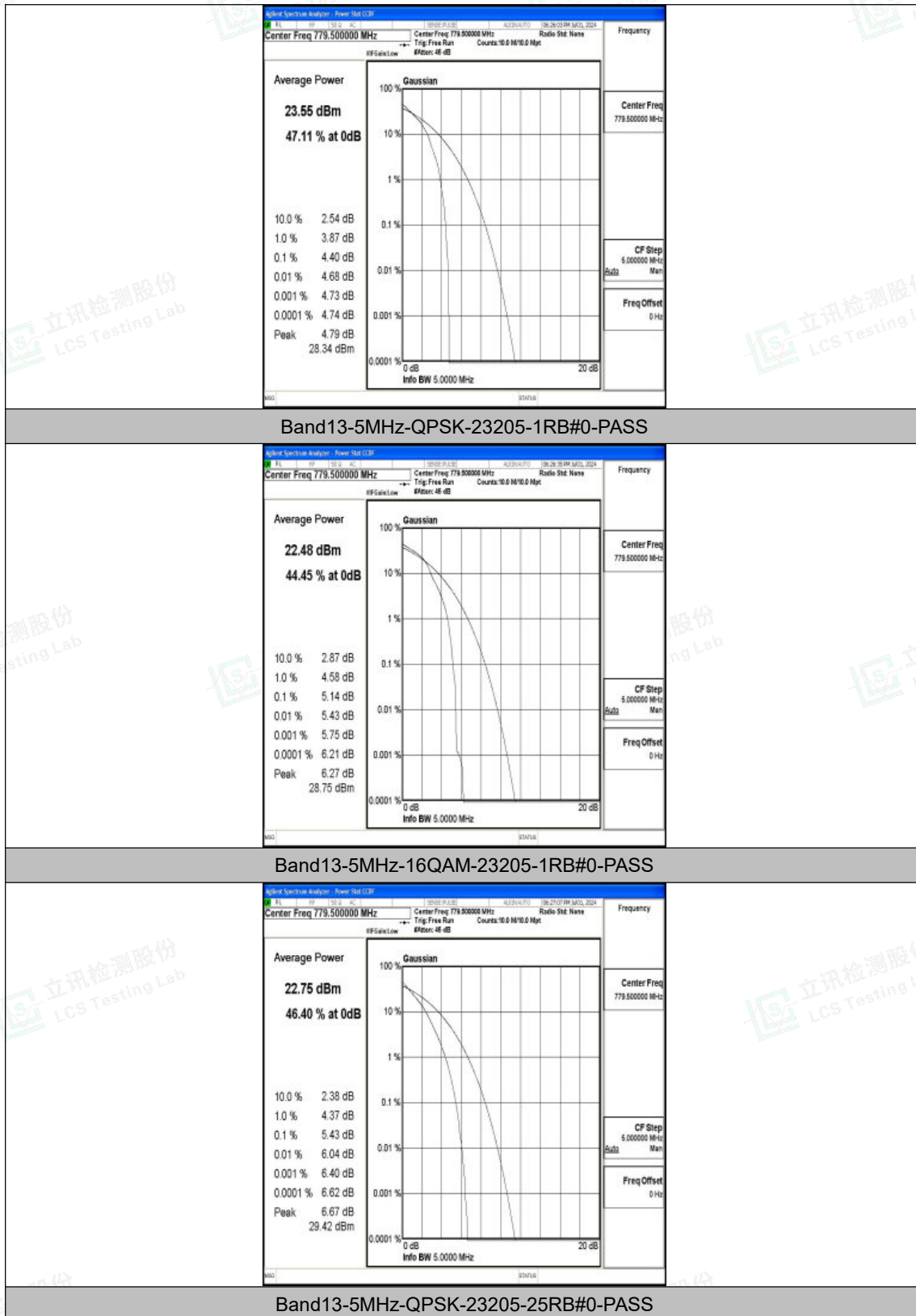
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	4.40	13	PASS
Band13	5MHz	16QAM	23205	1RB#0	5.14	13	PASS
Band13	5MHz	QPSK	23205	25RB#0	5.43	13	PASS
Band13	5MHz	16QAM	23205	25RB#0	6.05	13	PASS
Band13	5MHz	QPSK	23230	1RB#0	4.61	13	PASS
Band13	5MHz	16QAM	23230	1RB#0	5.16	13	PASS
Band13	5MHz	QPSK	23230	25RB#0	5.46	13	PASS
Band13	5MHz	16QAM	23230	25RB#0	6.07	13	PASS
Band13	5MHz	QPSK	23255	1RB#0	4.68	13	PASS
Band13	5MHz	16QAM	23255	1RB#0	5.23	13	PASS
Band13	5MHz	QPSK	23255	25RB#0	5.41	13	PASS
Band13	5MHz	16QAM	23255	25RB#0	6.11	13	PASS
Band13	10MHz	QPSK	23230	1RB#0	4.36	13	PASS
Band13	10MHz	16QAM	23230	1RB#0	5.00	13	PASS
Band13	10MHz	QPSK	23230	50RB#0	5.43	13	PASS
Band13	10MHz	16QAM	23230	50RB#0	6.07	13	PASS





Test Graphs

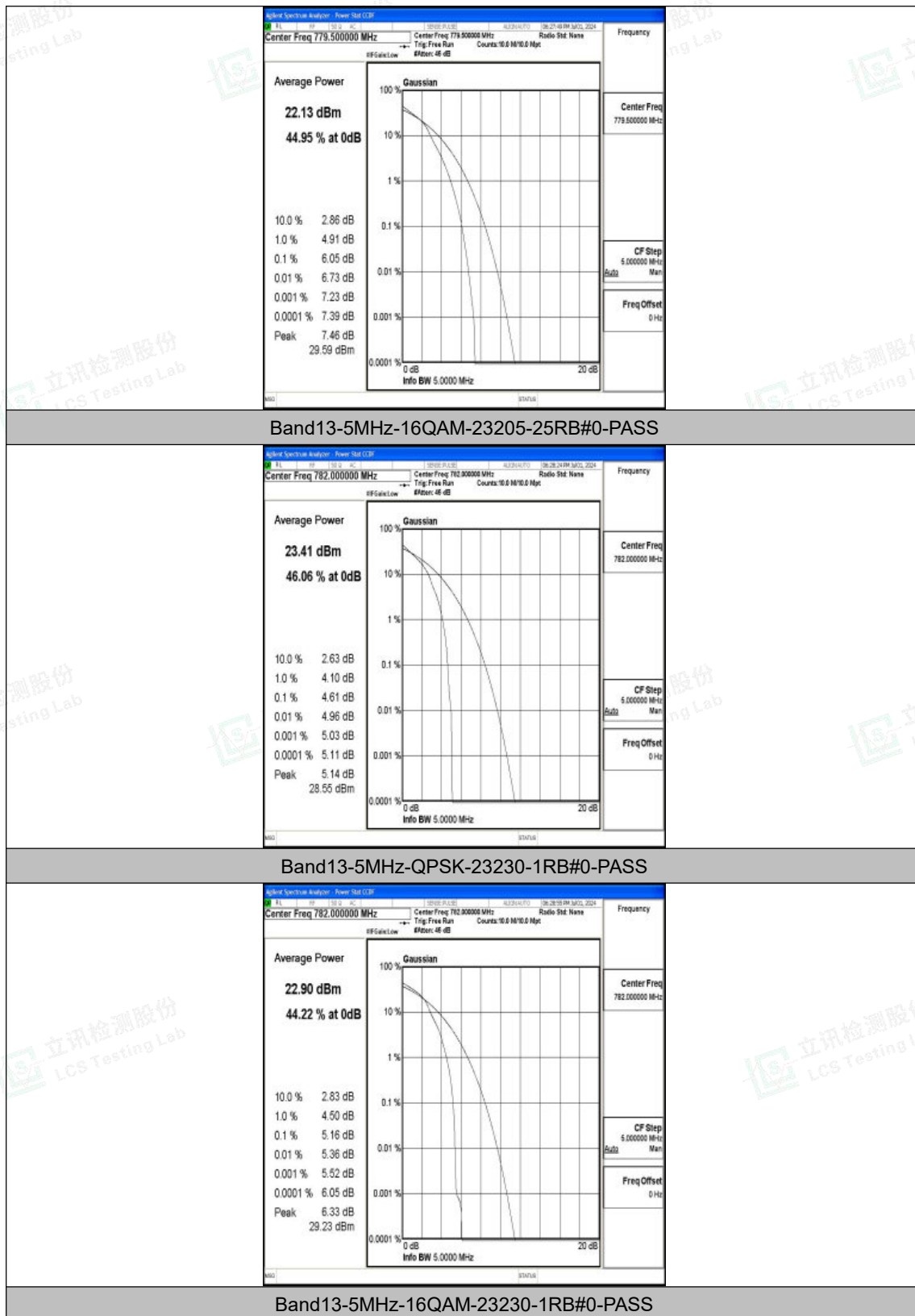


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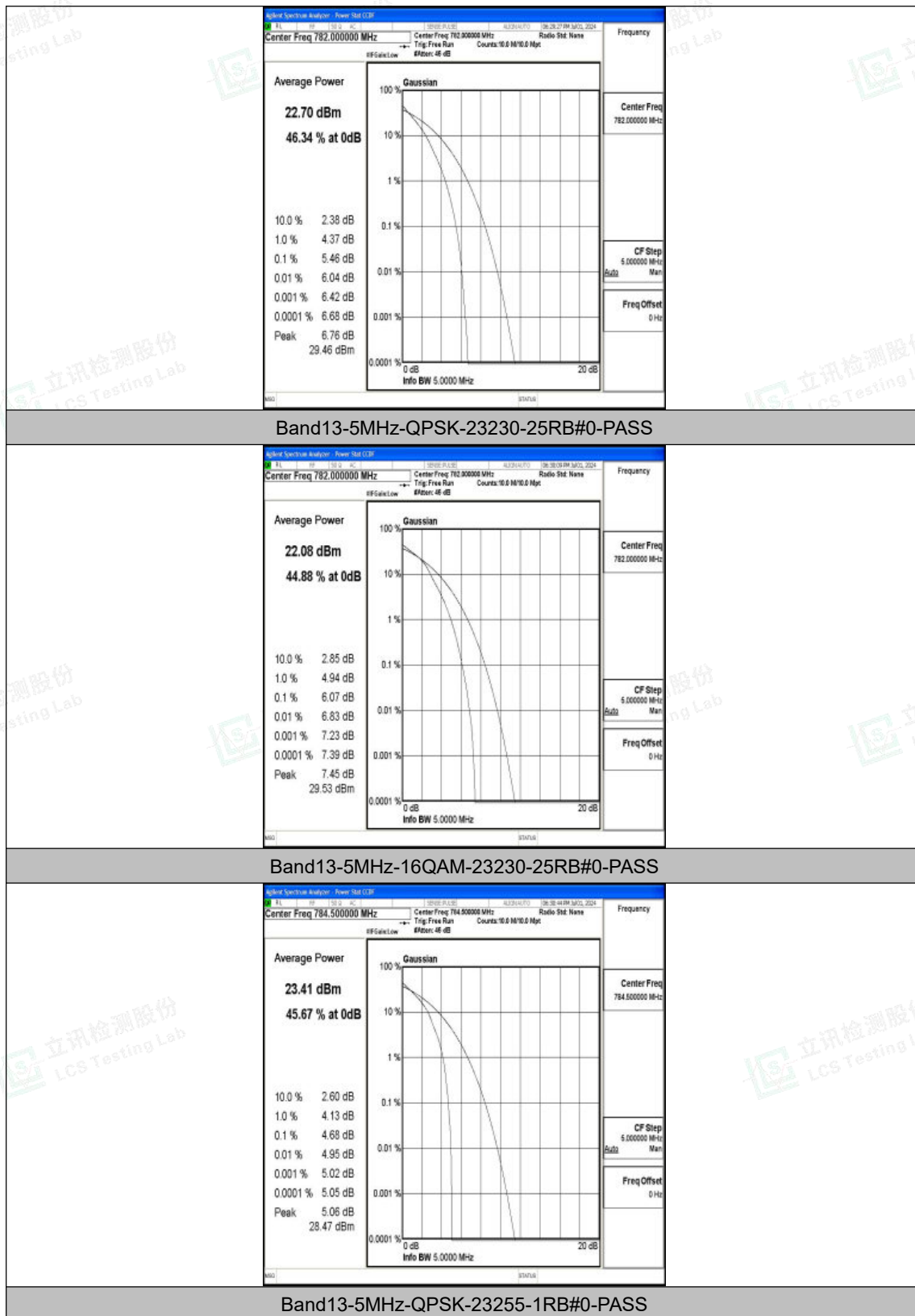


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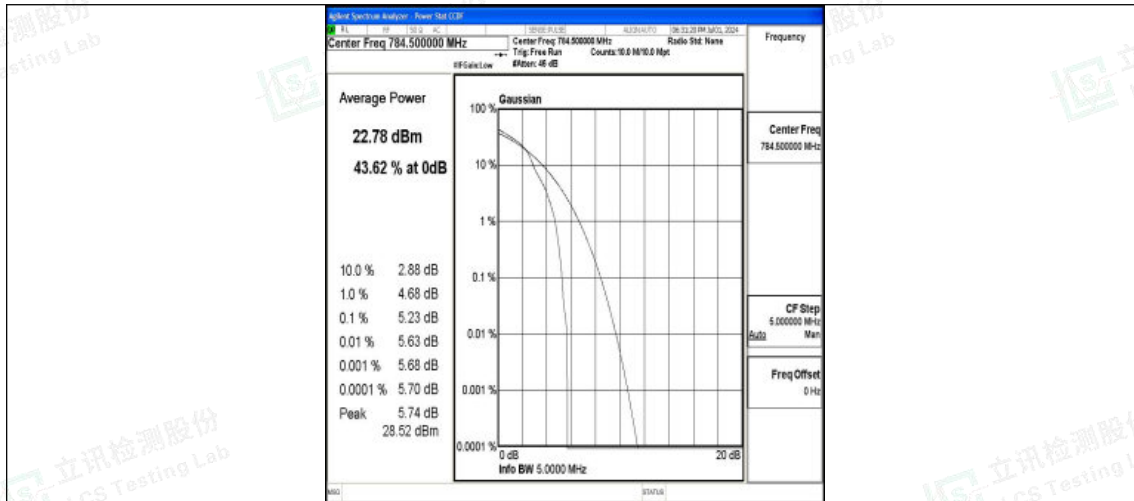


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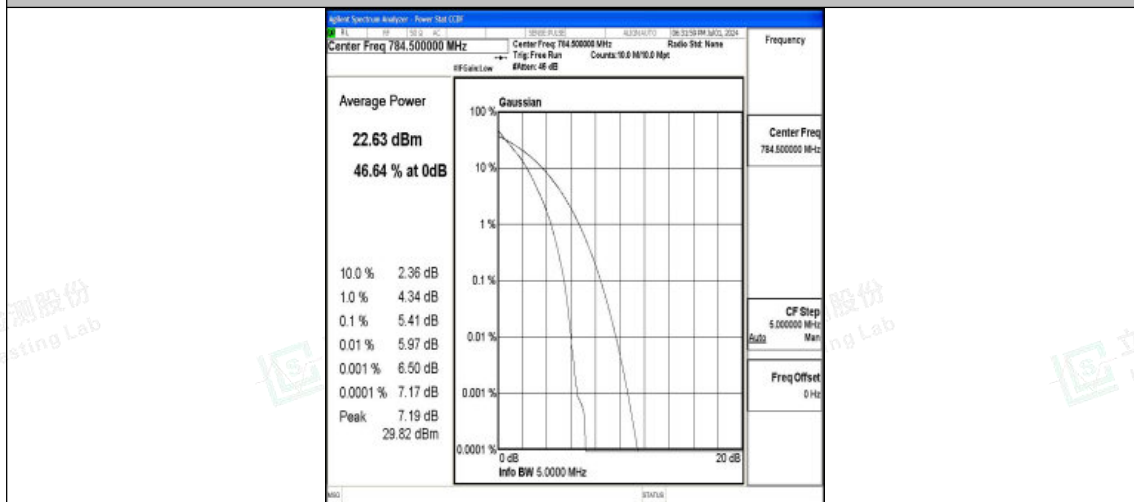
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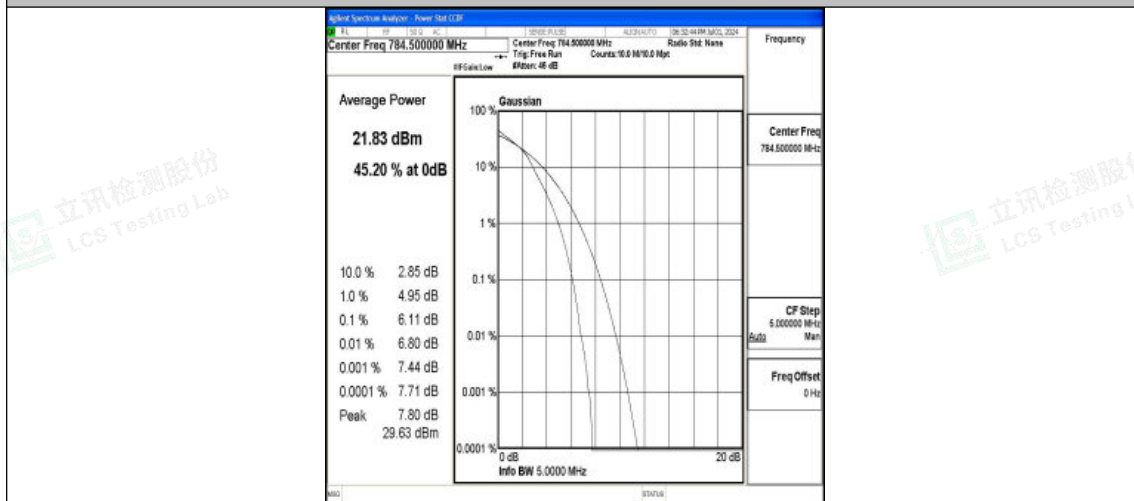
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Band13-5MHz-16QAM-23255-1RB#0-PASS



Band13-5MHz-QPSK-23255-25RB#0-PASS



Band13-5MHz-16QAM-23255-25RB#0-PASS

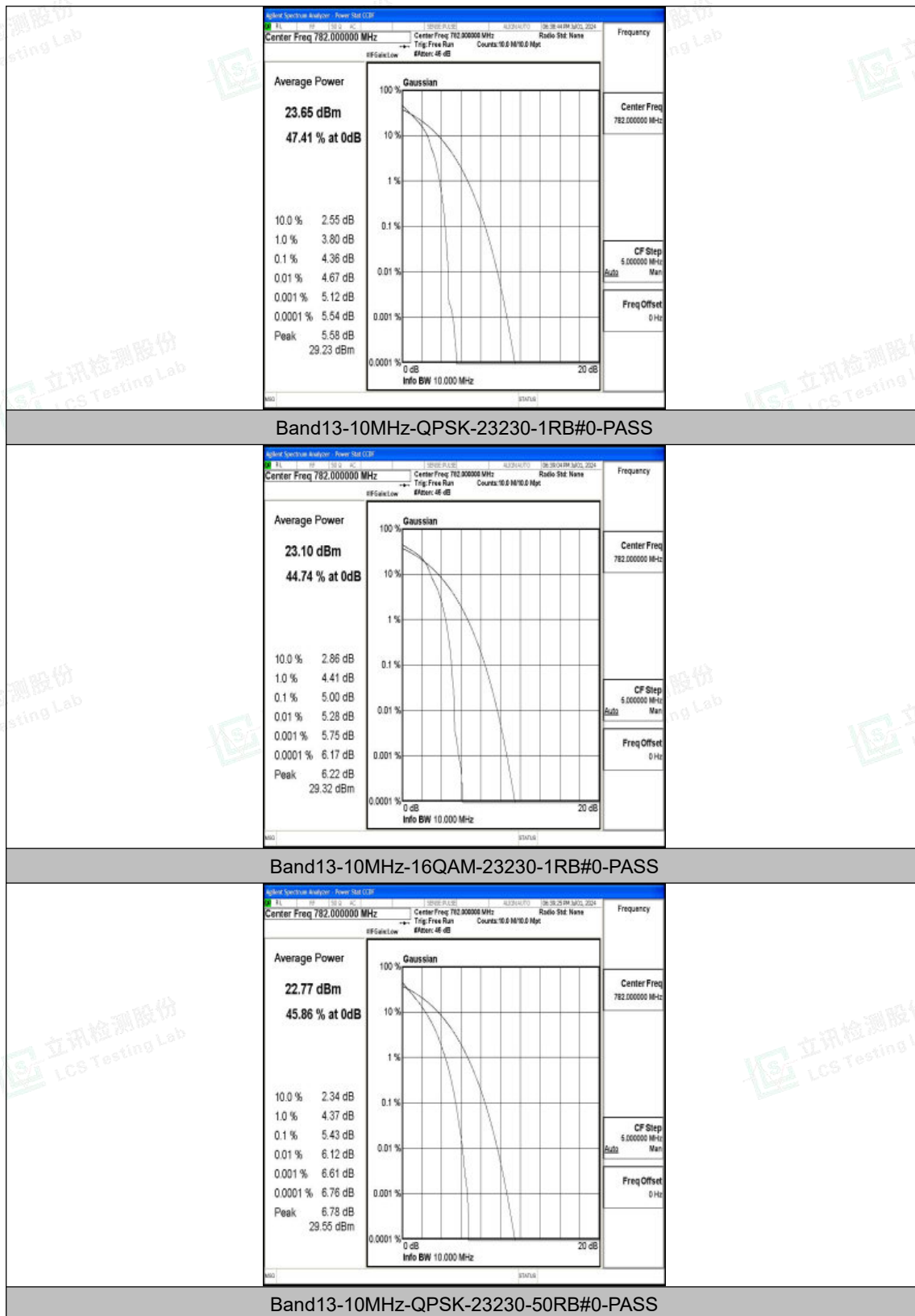


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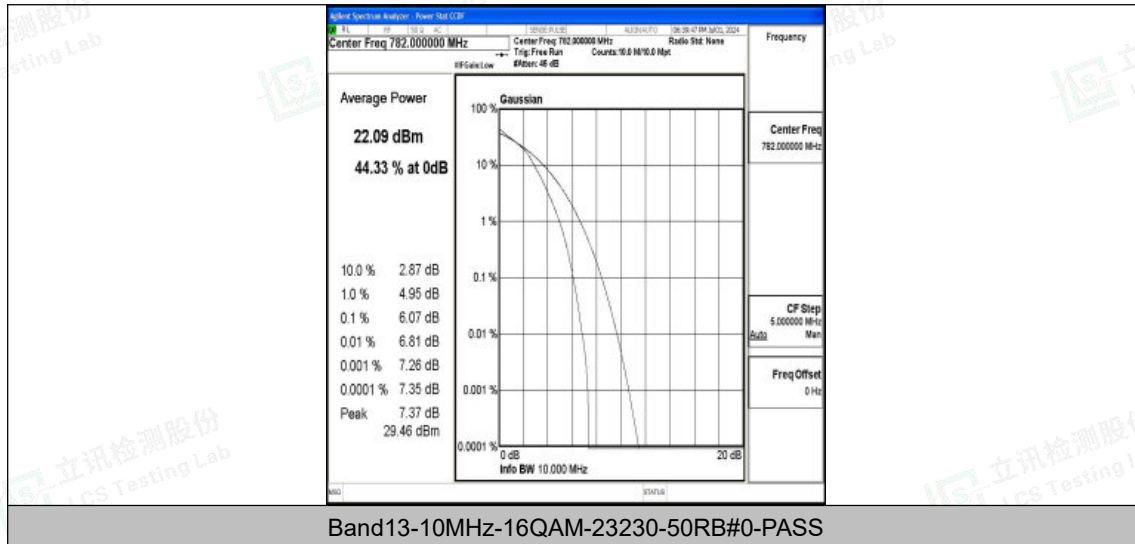


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E.3 26dB Bandwidth and Occupied Bandwidth

Test Result

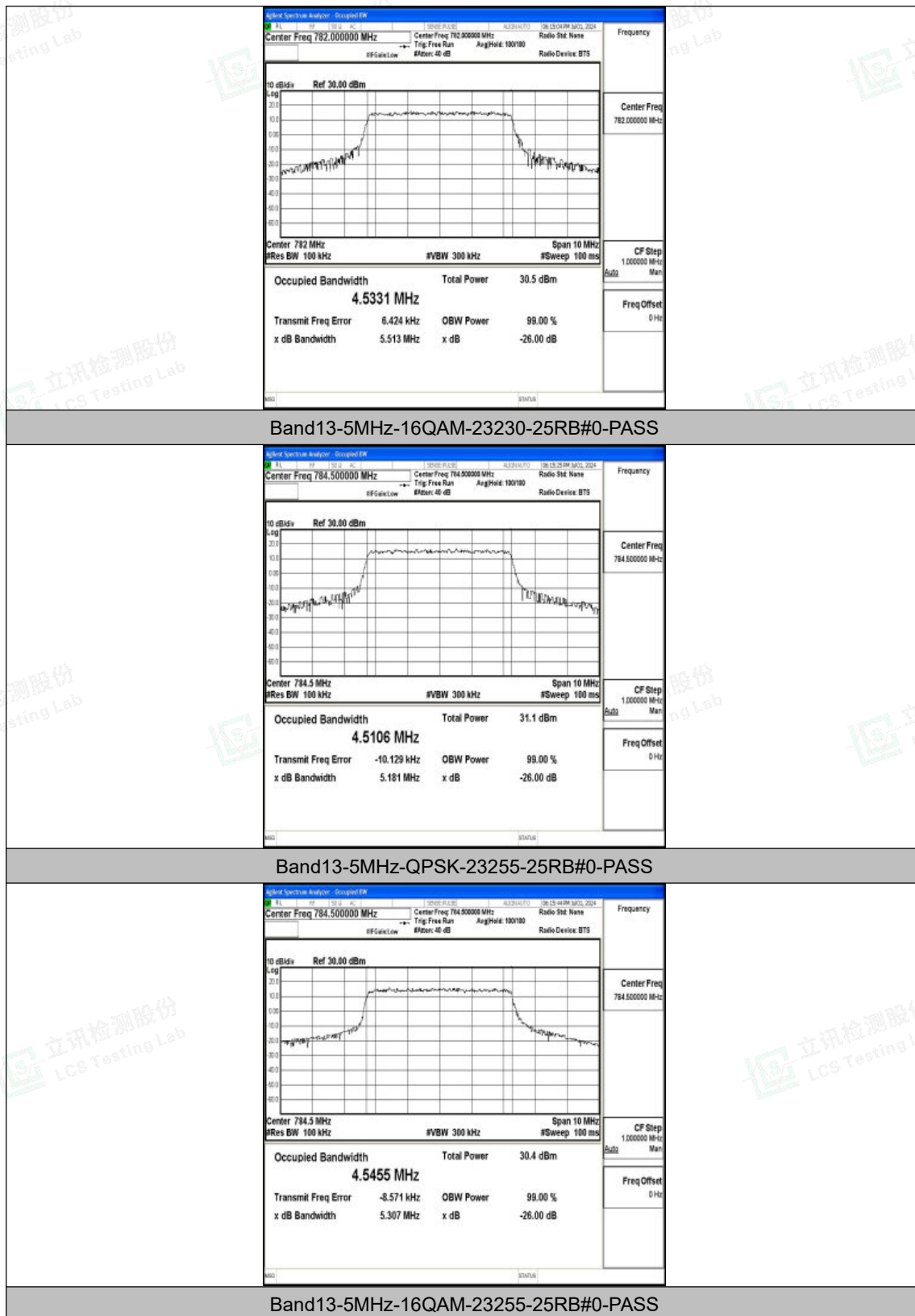
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band13	5MHz	QPSK	23205	25RB#0	4.5334	5.325	PASS
Band13	5MHz	16QAM	23205	25RB#0	4.5212	5.249	PASS
Band13	5MHz	QPSK	23230	25RB#0	4.5120	5.478	PASS
Band13	5MHz	16QAM	23230	25RB#0	4.5331	5.513	PASS
Band13	5MHz	QPSK	23255	25RB#0	4.5106	5.181	PASS
Band13	5MHz	16QAM	23255	25RB#0	4.5455	5.307	PASS
Band13	10MHz	QPSK	23230	50RB#0	8.9866	10.08	PASS
Band13	10MHz	16QAM	23230	50RB#0	8.9931	10.04	PASS





Test Graphs





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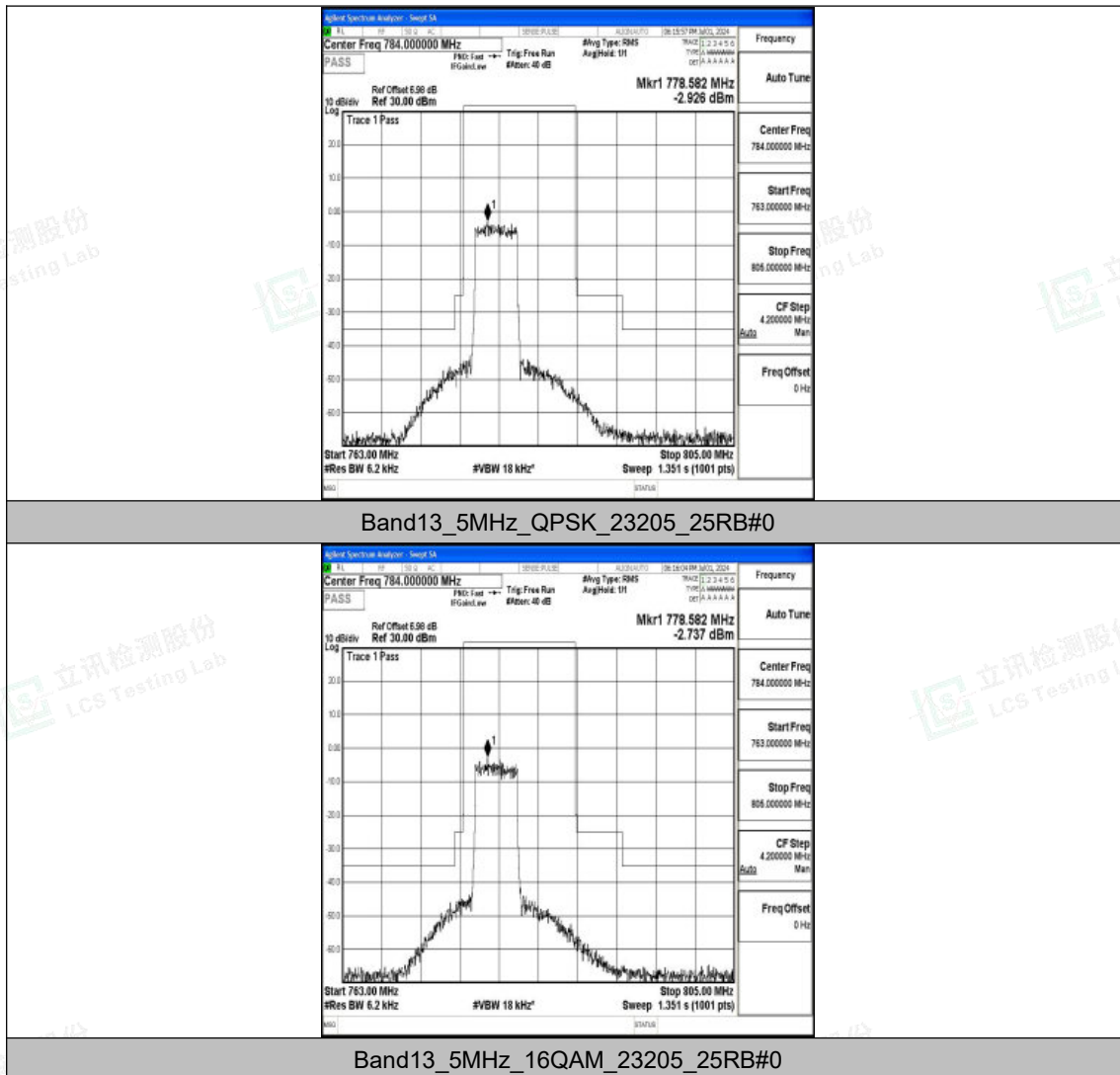


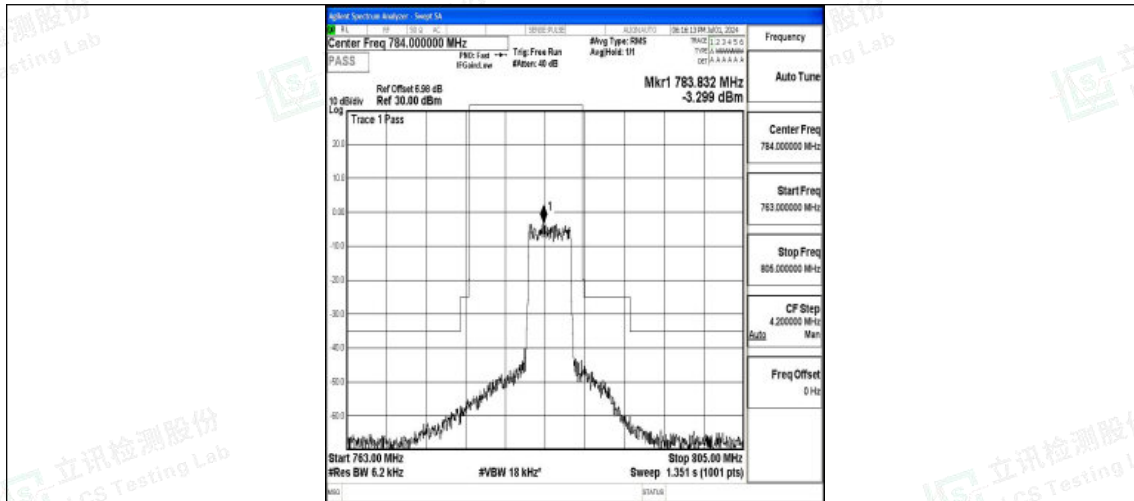
E.4 Band Edge

Test Result

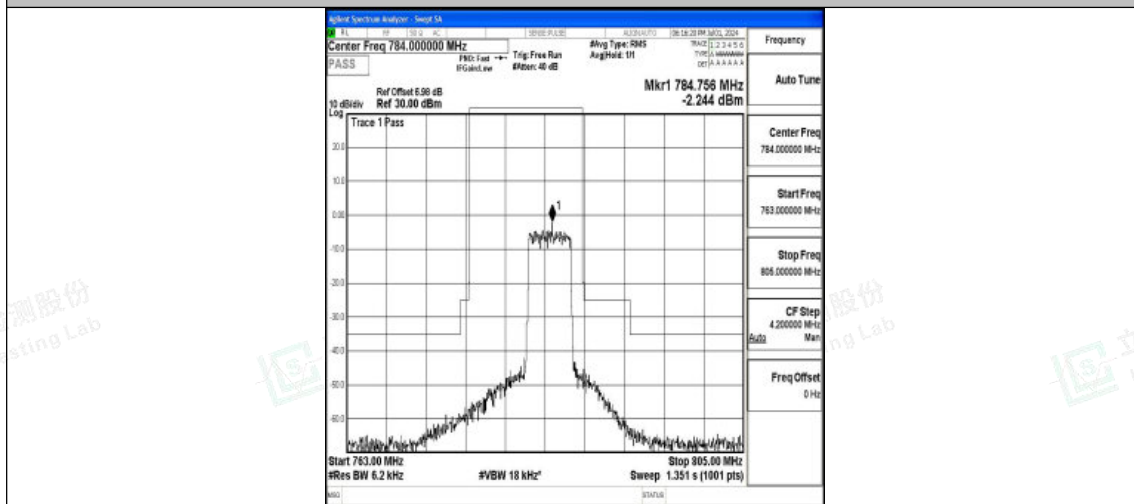
Band	Bandwidth	Modulation	Channel	RB Configuration	Peak Frequency	Result(dBm)	Verdict
Band13	5MHz	QPSK	23205	25RB#0	774.51	-46.37	PASS
Band13	5MHz	16QAM	23205	25RB#0	774.55	-46.15	PASS
Band13	5MHz	QPSK	23255	25RB#0	788.16	-45.36	PASS
Band13	5MHz	16QAM	23255	25RB#0	788.37	-46.87	PASS
Band13	10MHz	QPSK	23230	50RB#0	774.26	-47.81	PASS
Band13	10MHz	16QAM	23230	50RB#0	773.16	-49.12	PASS

Test Graphs

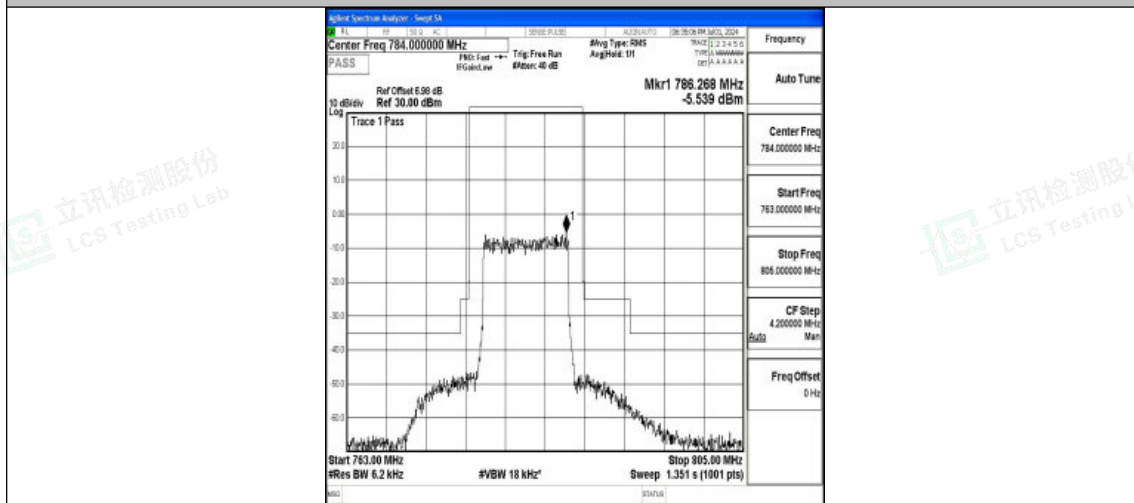




Band13_5MHz_QPSK_23255_25RB#0



Band13_5MHz_16QAM_23255_25RB#0



Band13_10MHz_QPSK_23230_50RB#0

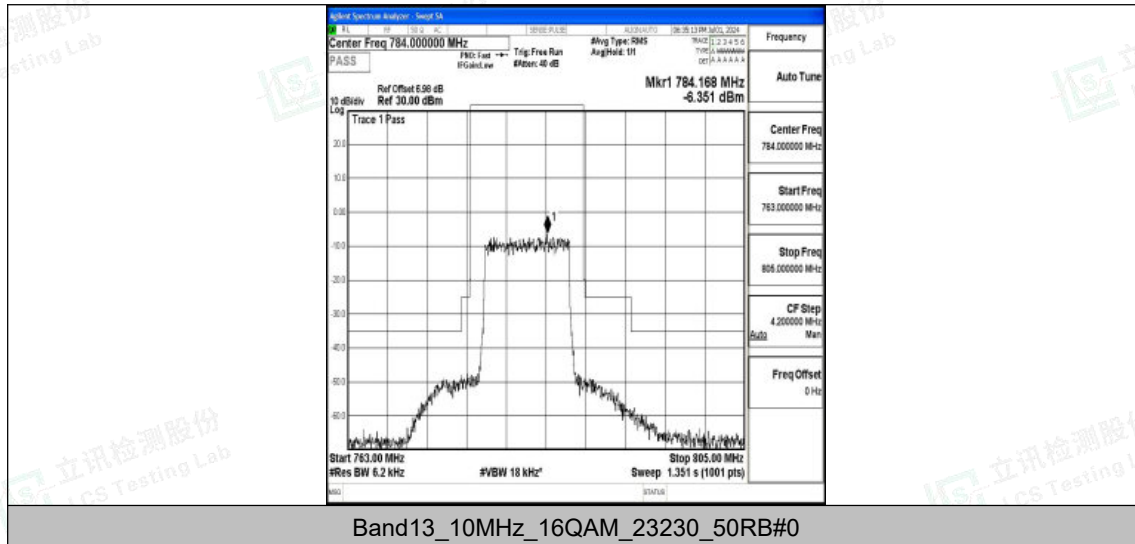


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E.5 Conducted Spurious Emission

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	0.009~0.15	-58.61	PASS
Band13	5MHz	QPSK	23205	1RB#0	0.15~30	-53.07	PASS
Band13	5MHz	QPSK	23205	1RB#0	30~1000	-62.58	PASS
Band13	5MHz	QPSK	23205	1RB#0	1000~3000	-41.76	PASS
Band13	5MHz	QPSK	23205	1RB#0	3000~10000	-43.88	PASS
Band13	5MHz	16QAM	23205	1RB#0	0.009~0.15	-54.97	PASS
Band13	5MHz	16QAM	23205	1RB#0	0.15~30	-50.34	PASS
Band13	5MHz	16QAM	23205	1RB#0	30~1000	-61.79	PASS
Band13	5MHz	16QAM	23205	1RB#0	1000~3000	-42.76	PASS
Band13	5MHz	16QAM	23205	1RB#0	3000~10000	-44.20	PASS
Band13	5MHz	QPSK	23230	1RB#0	0.009~0.15	-58.12	PASS
Band13	5MHz	QPSK	23230	1RB#0	0.15~30	-49.63	PASS
Band13	5MHz	QPSK	23230	1RB#0	30~1000	-62.84	PASS
Band13	5MHz	QPSK	23230	1RB#0	1000~3000	-42.57	PASS
Band13	5MHz	QPSK	23230	1RB#0	3000~10000	-43.92	PASS
Band13	5MHz	16QAM	23230	1RB#0	0.009~0.15	-57.54	PASS
Band13	5MHz	16QAM	23230	1RB#0	0.15~30	-51.96	PASS
Band13	5MHz	16QAM	23230	1RB#0	30~1000	-62.40	PASS
Band13	5MHz	16QAM	23230	1RB#0	1000~3000	-43.20	PASS
Band13	5MHz	16QAM	23230	1RB#0	3000~10000	-43.39	PASS
Band13	5MHz	QPSK	23255	1RB#0	0.009~0.15	-57.77	PASS
Band13	5MHz	QPSK	23255	1RB#0	0.15~30	-52.21	PASS
Band13	5MHz	QPSK	23255	1RB#0	30~1000	-61.17	PASS
Band13	5MHz	QPSK	23255	1RB#0	1000~3000	-42.13	PASS
Band13	5MHz	QPSK	23255	1RB#0	3000~10000	-44.02	PASS
Band13	5MHz	16QAM	23255	1RB#0	0.009~0.15	-57.30	PASS
Band13	5MHz	16QAM	23255	1RB#0	0.15~30	-52.59	PASS
Band13	5MHz	16QAM	23255	1RB#0	30~1000	-61.15	PASS
Band13	5MHz	16QAM	23255	1RB#0	1000~3000	-42.32	PASS
Band13	5MHz	16QAM	23255	1RB#0	3000~10000	-44.18	PASS
Band13	10MHz	QPSK	23230	1RB#0	0.009~0.15	-58.99	PASS
Band13	10MHz	QPSK	23230	1RB#0	0.15~30	-53.14	PASS
Band13	10MHz	QPSK	23230	1RB#0	30~1000	-62.89	PASS
Band13	10MHz	QPSK	23230	1RB#0	1000~3000	-42.94	PASS
Band13	10MHz	QPSK	23230	1RB#0	3000~10000	-43.49	PASS



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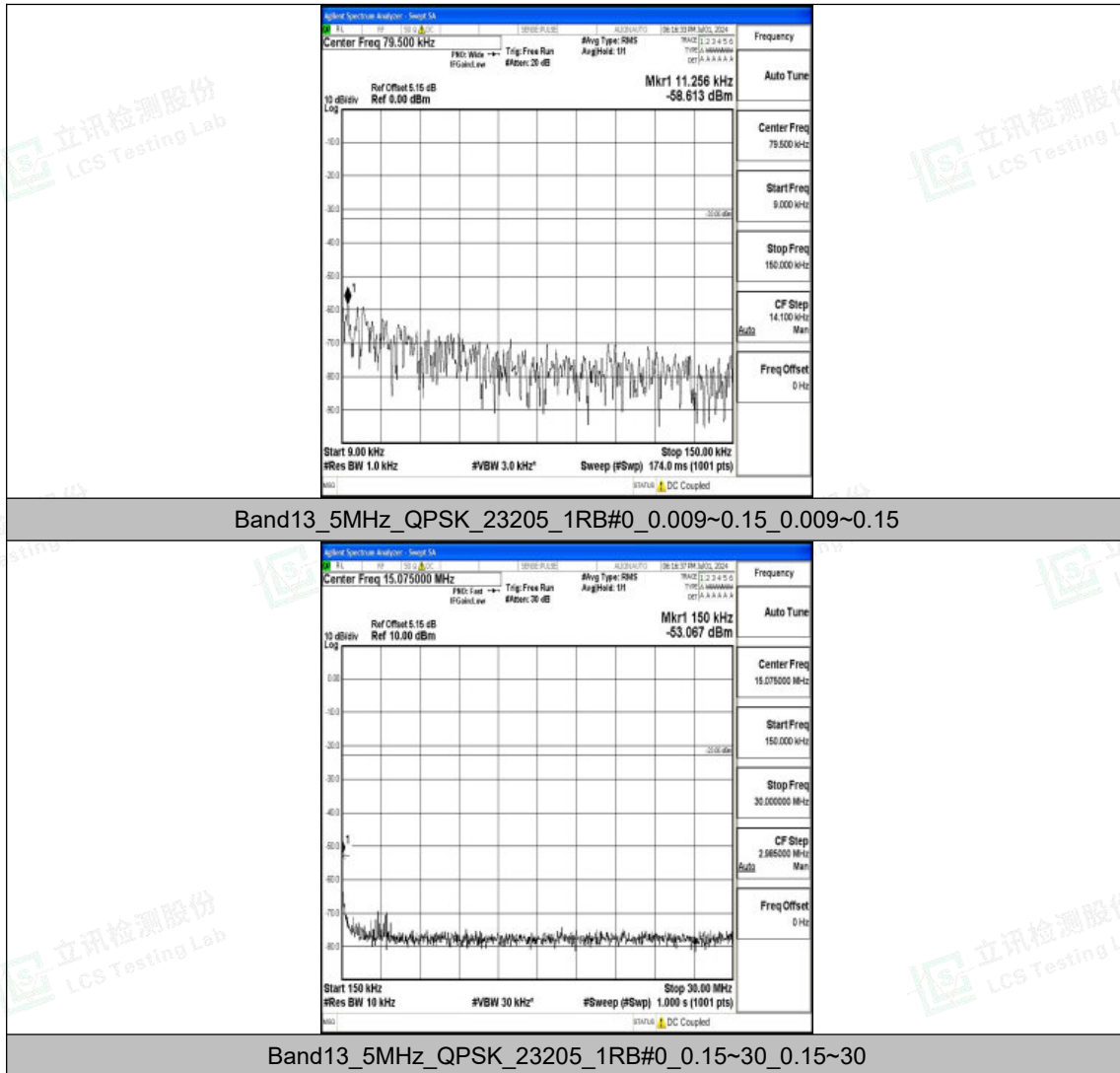
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Band13	10MHz	16QAM	23230	1RB#0	0.009~0.15	-55.74	PASS
Band13	10MHz	16QAM	23230	1RB#0	0.15~30	-50.69	PASS
Band13	10MHz	16QAM	23230	1RB#0	30~1000	-62.85	PASS
Band13	10MHz	16QAM	23230	1RB#0	1000~3000	-41.67	PASS
Band13	10MHz	16QAM	23230	1RB#0	3000~10000	-44.05	PASS

Test Graphs

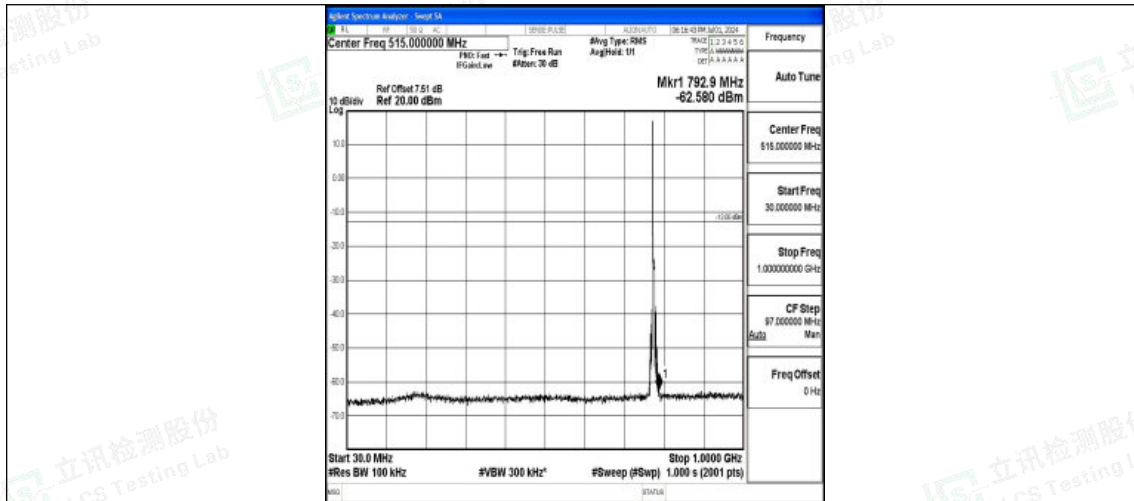


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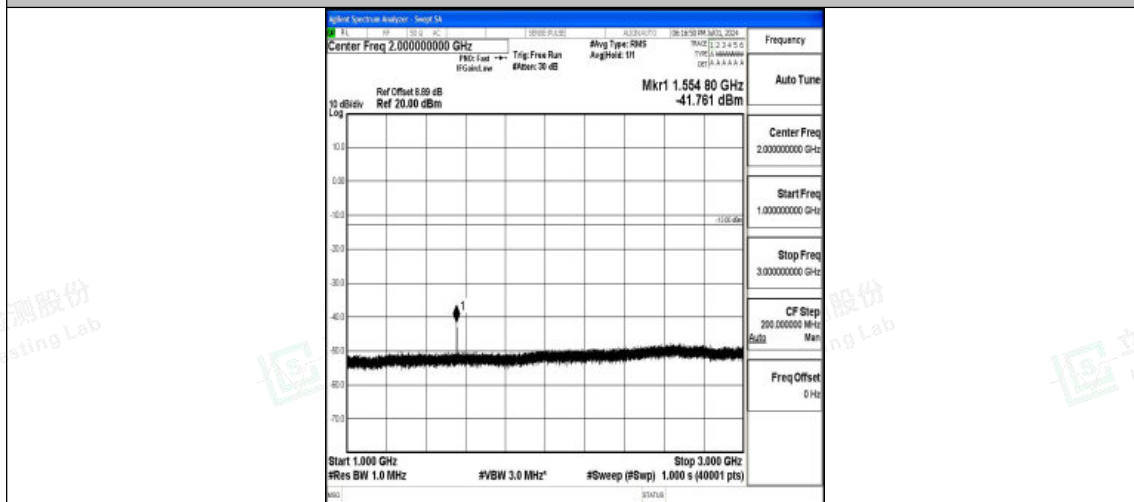
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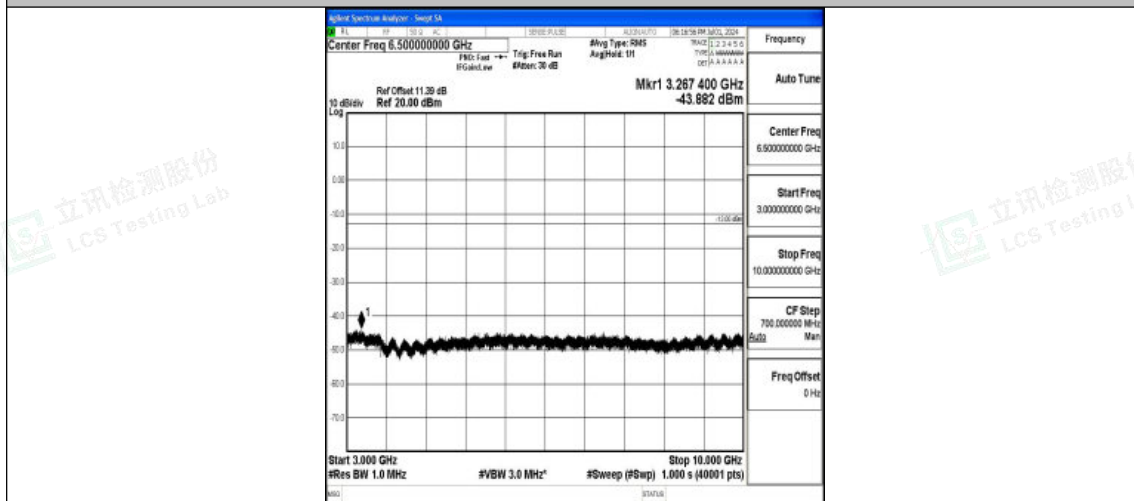
Scan code to check authenticity



Band13_5MHz_QPSK_23205_1RB#0_30~1000_30~1000



Band13_5MHz_QPSK_23205_1RB#0_1000~3000_1000~3000



Band13_5MHz_QPSK_23205_1RB#0_3000~10000_3000~10000

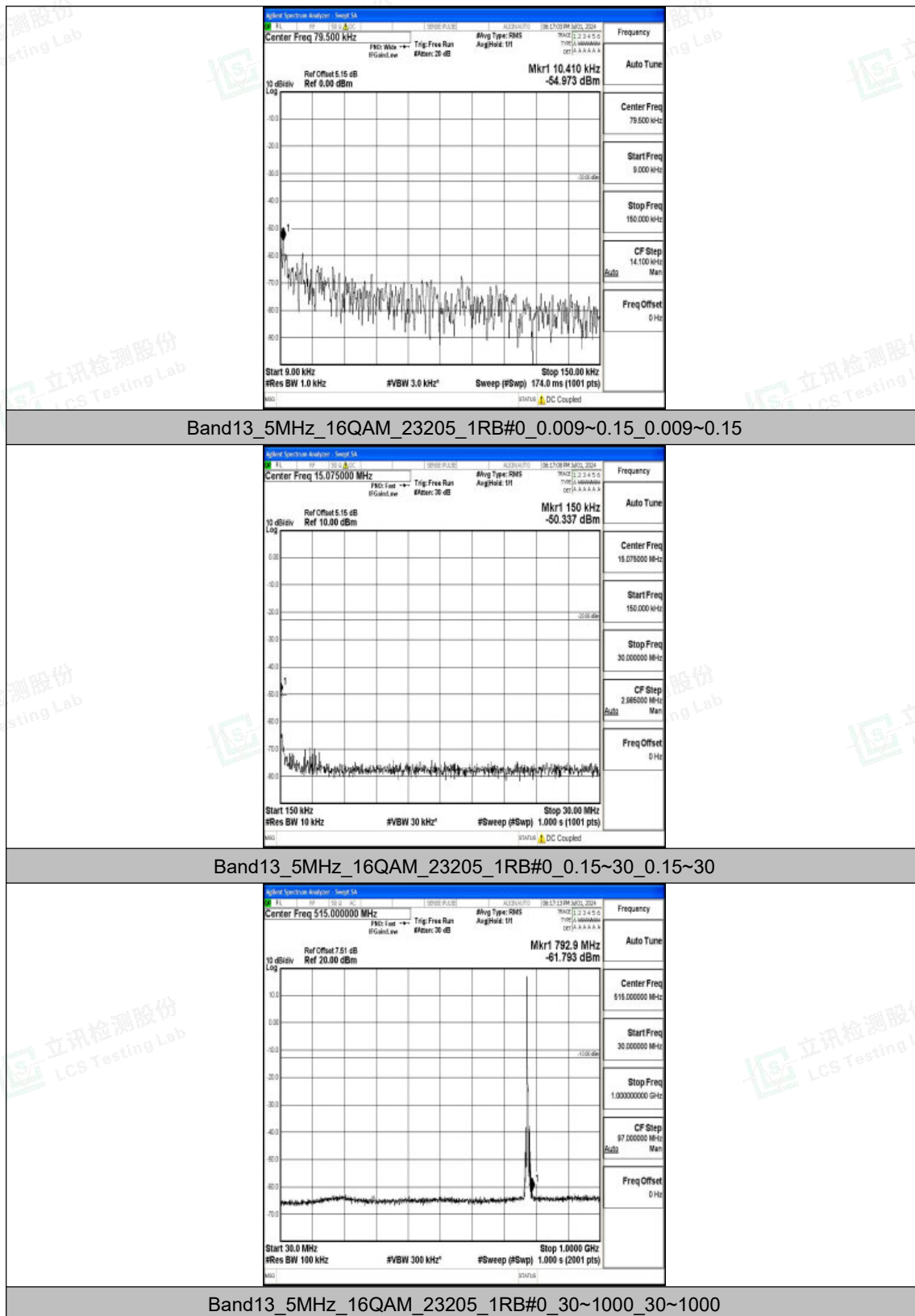


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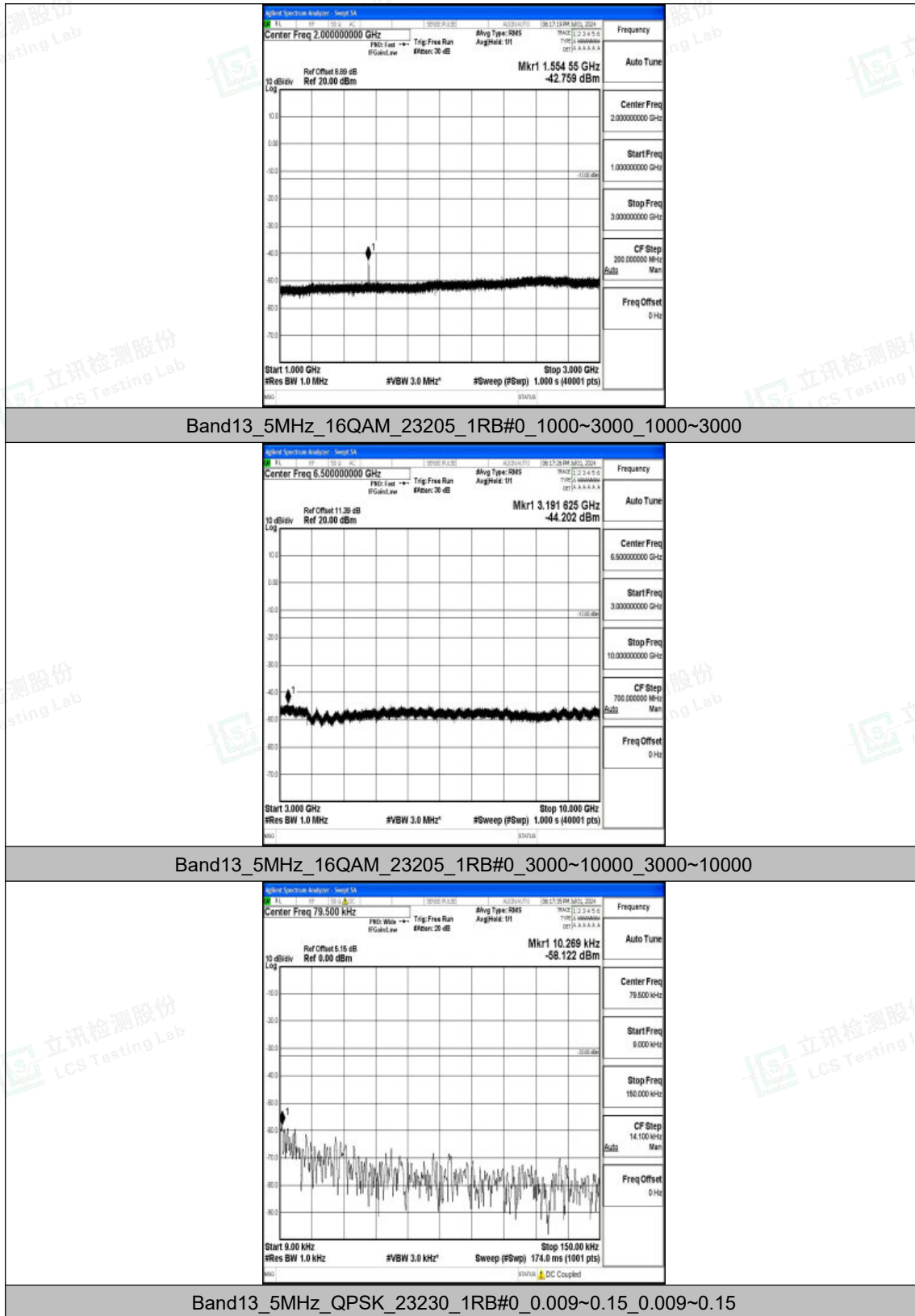


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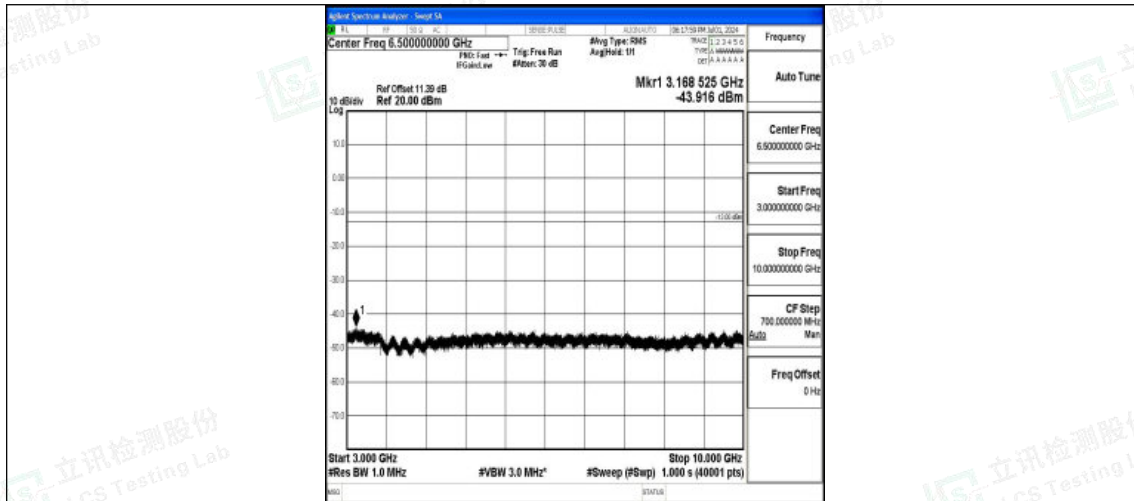


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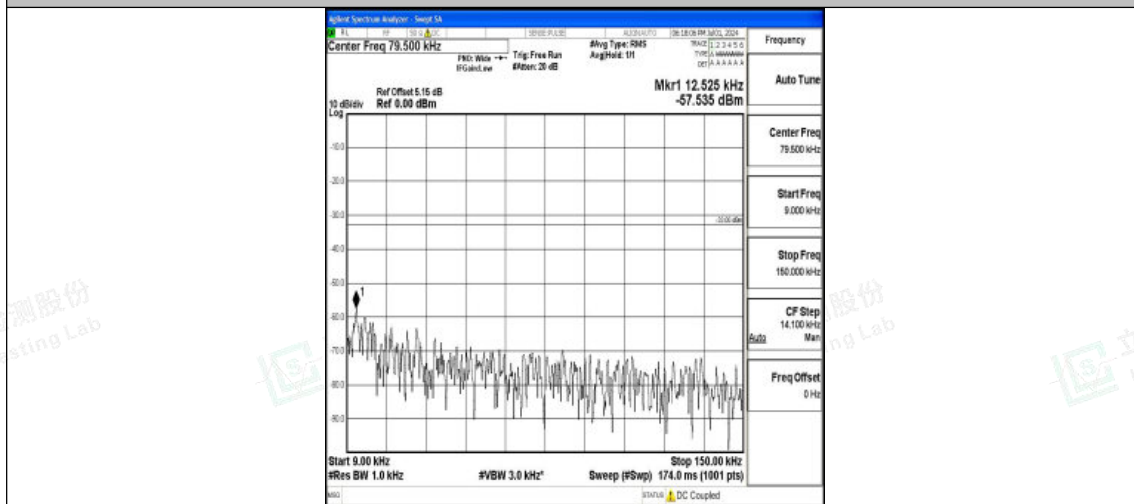
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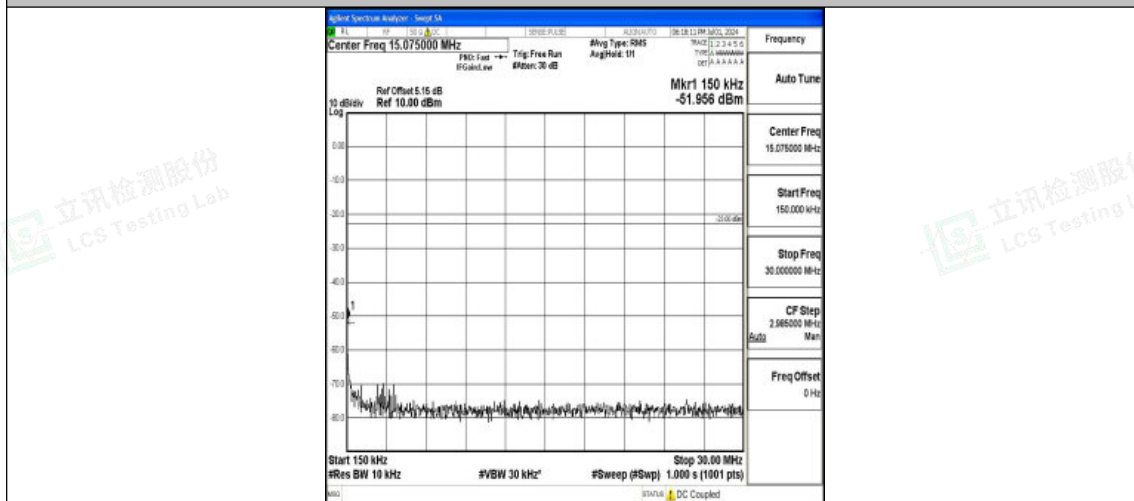
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Band13_5MHz_QPSK_23230_1RB#0_3000~10000_3000~10000



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



Band13_5MHz_16QAM_23230_1RB#0_0.15~30_0.15~30

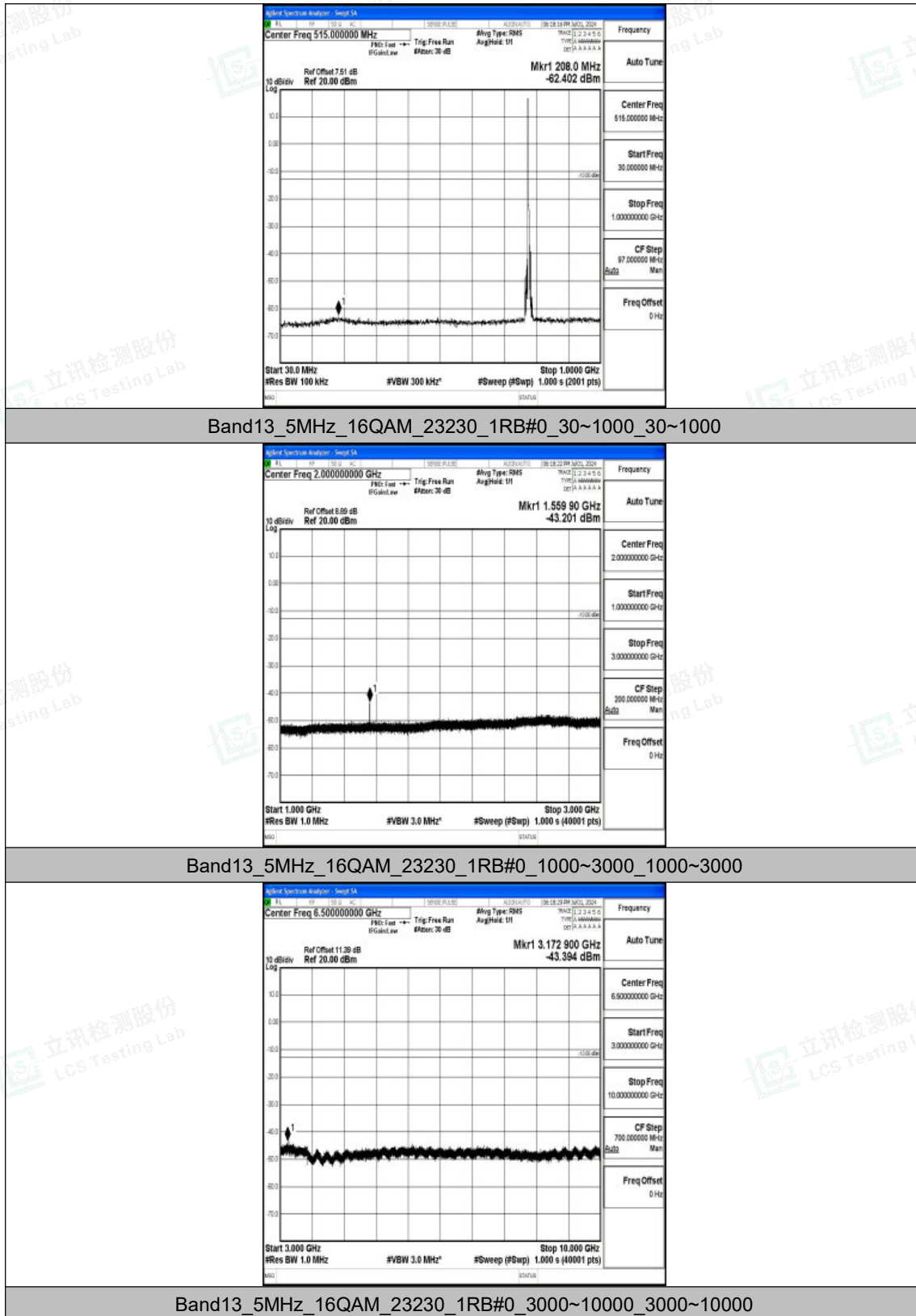


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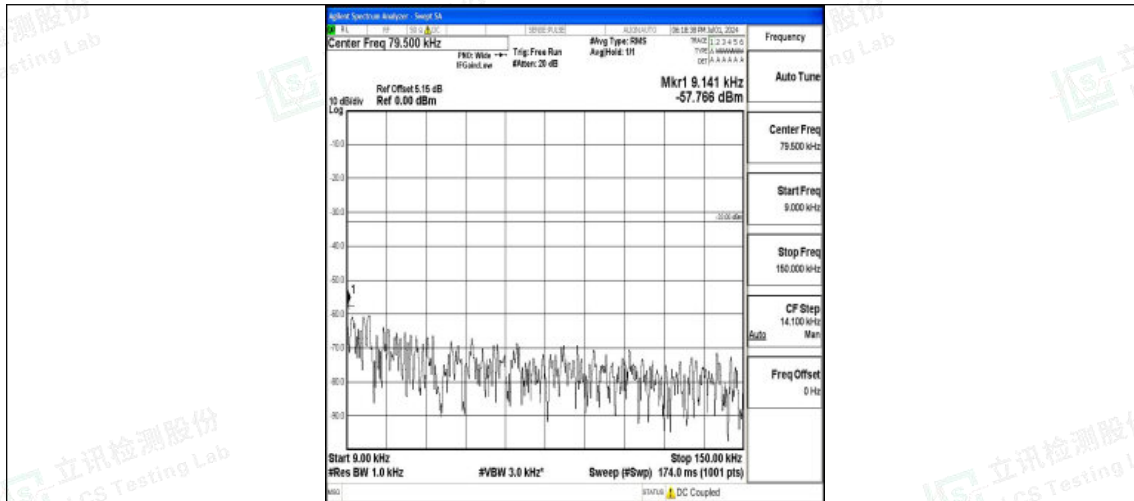


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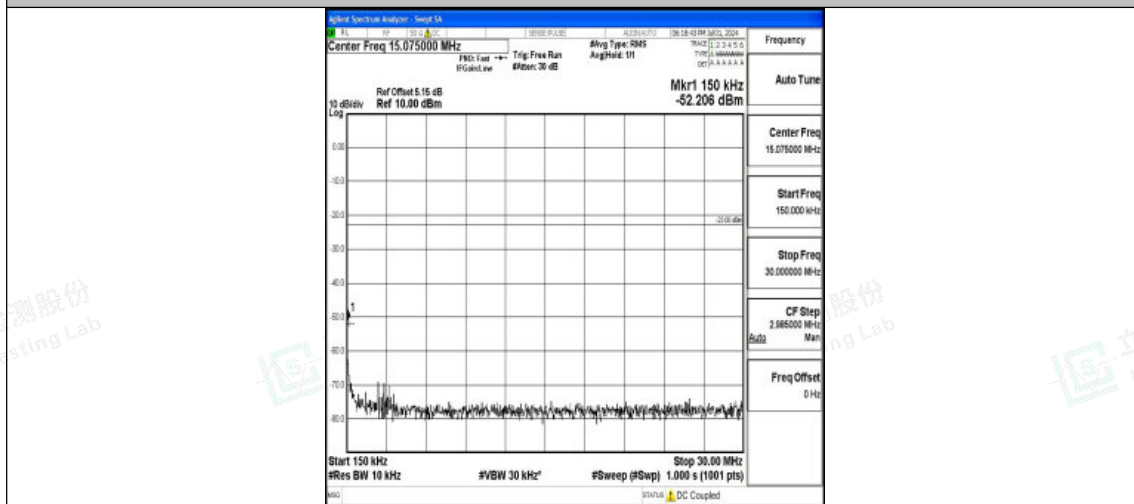
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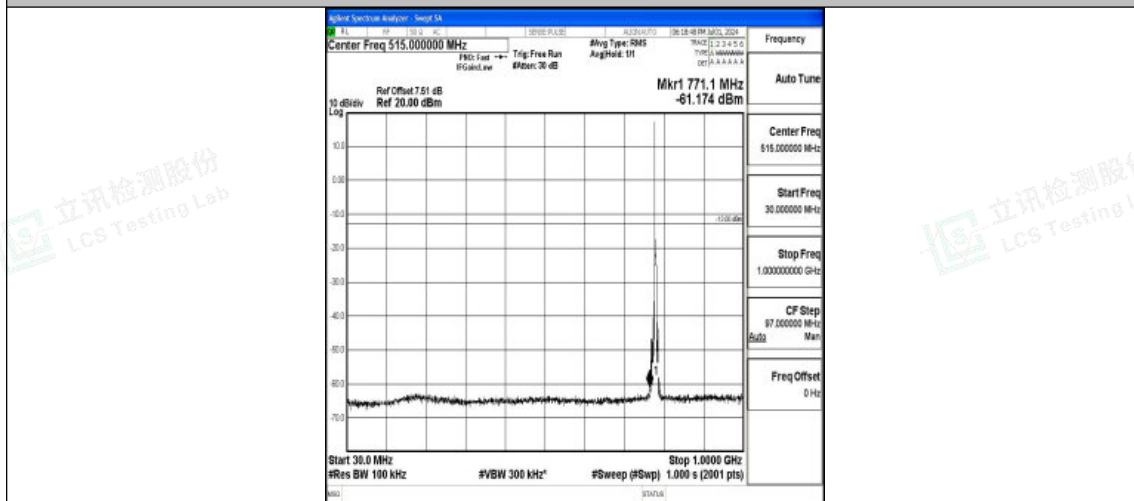
Scan code to check authenticity



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



Band13_5MHz_QPSK_23255_1RB#0_30~1000_30~1000

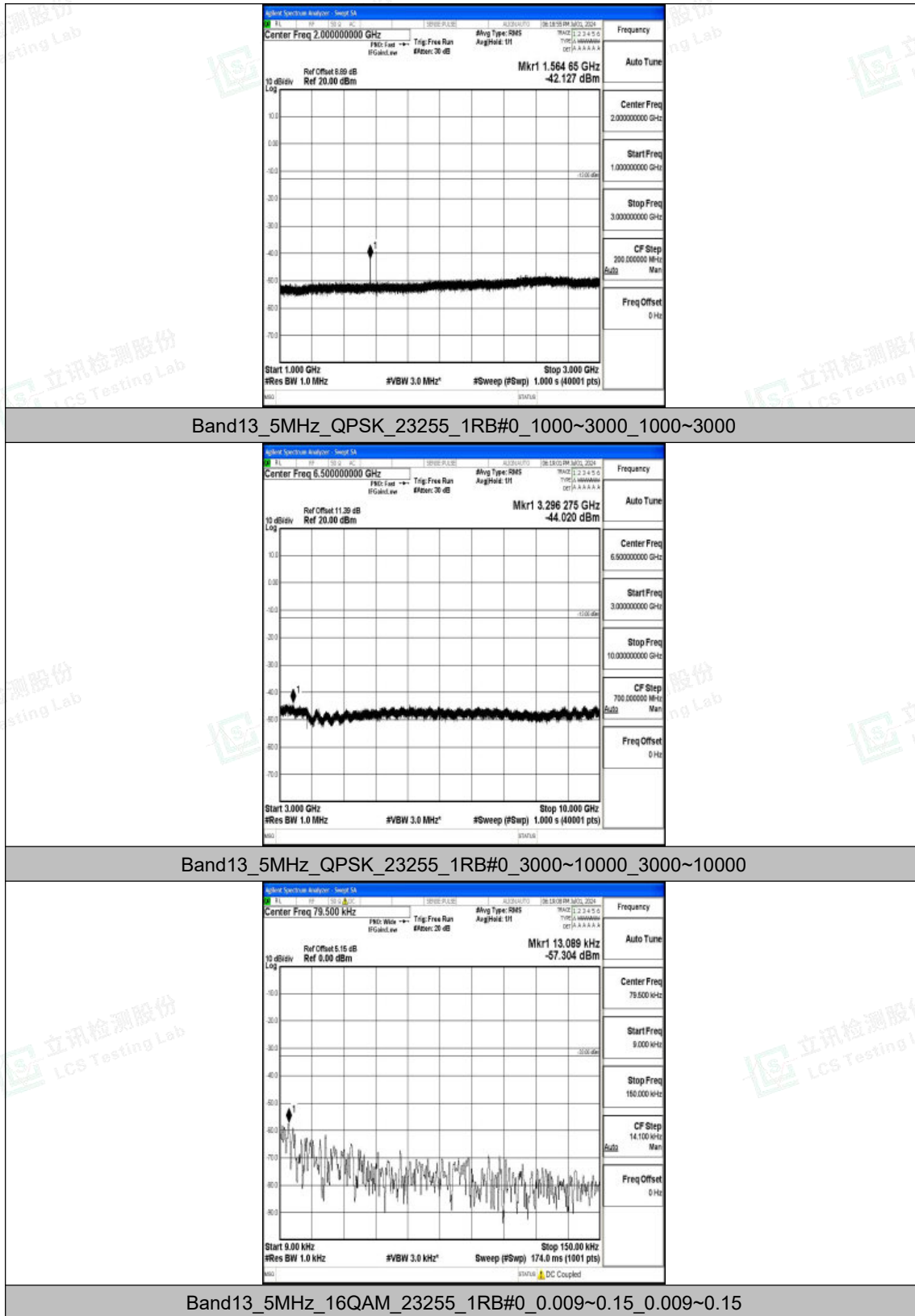


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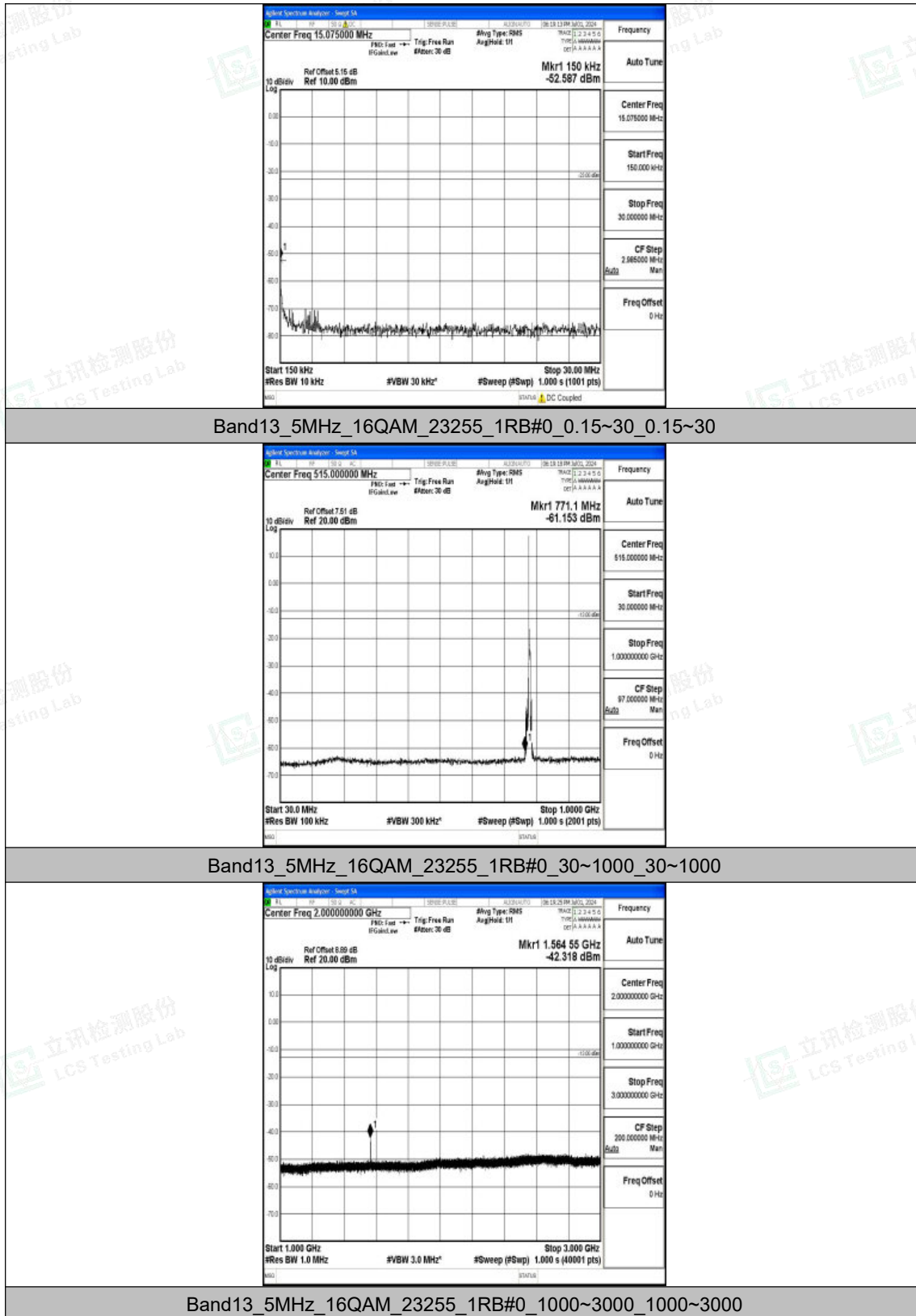


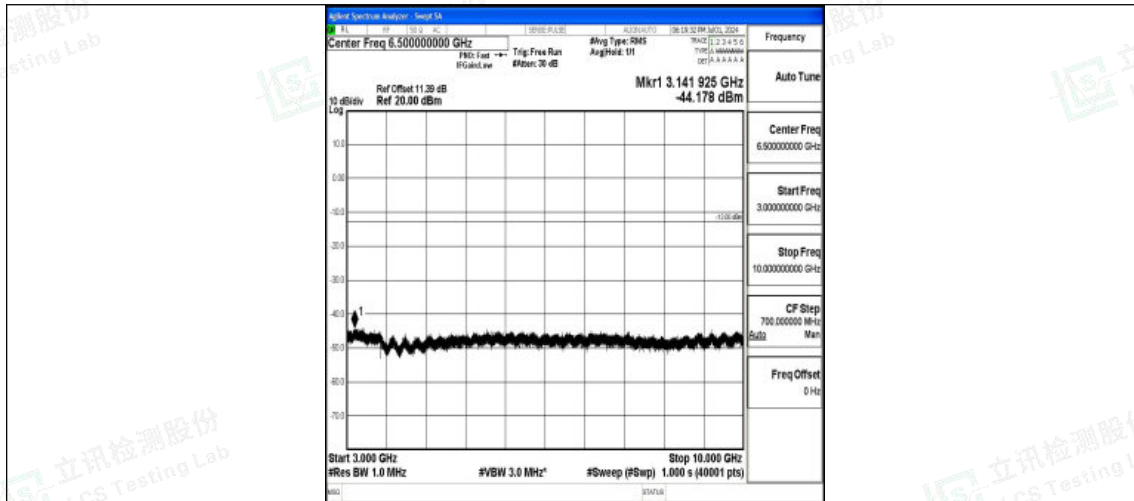
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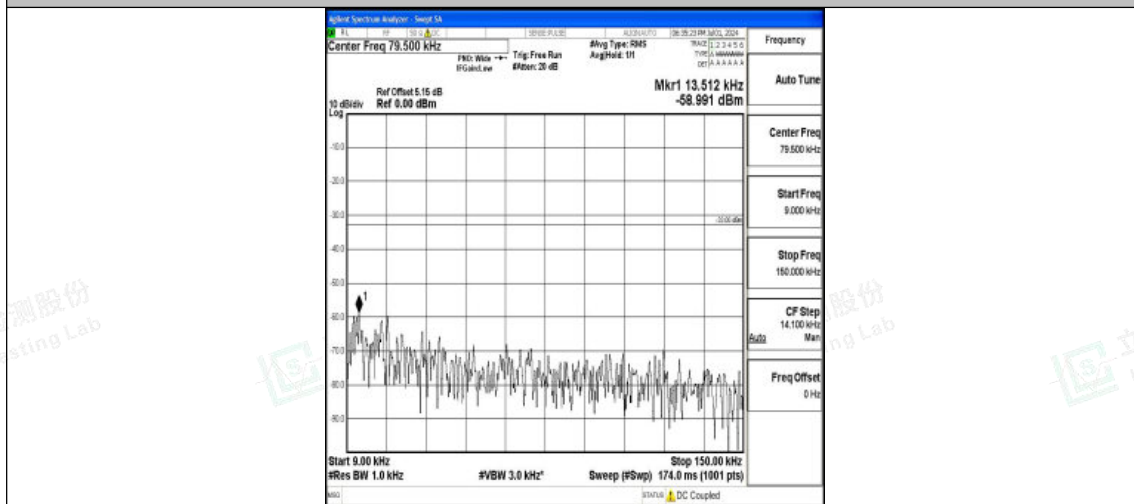
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Scan code to check authenticity

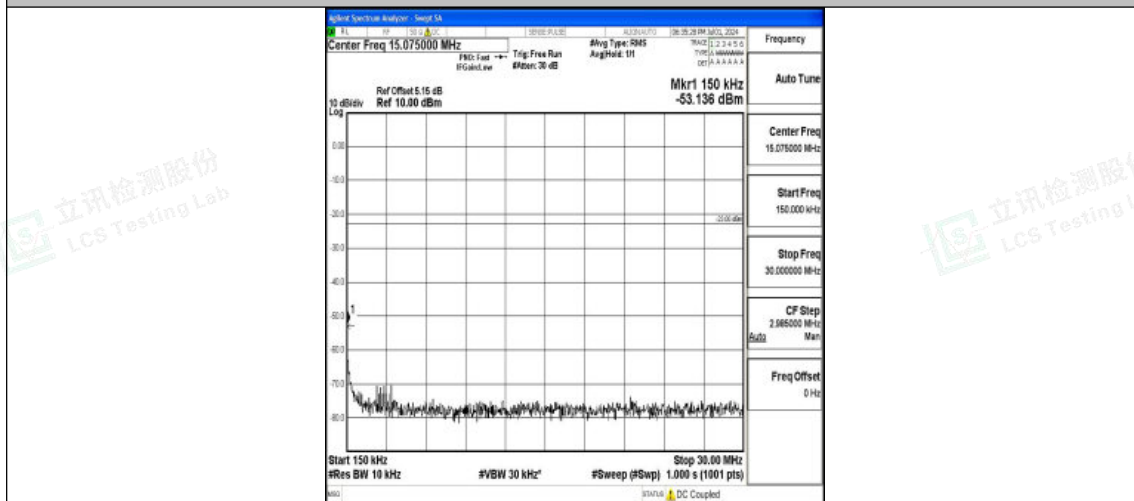




Band13_5MHz_16QAM_23255_1RB#0_3000~10000_3000~10000



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

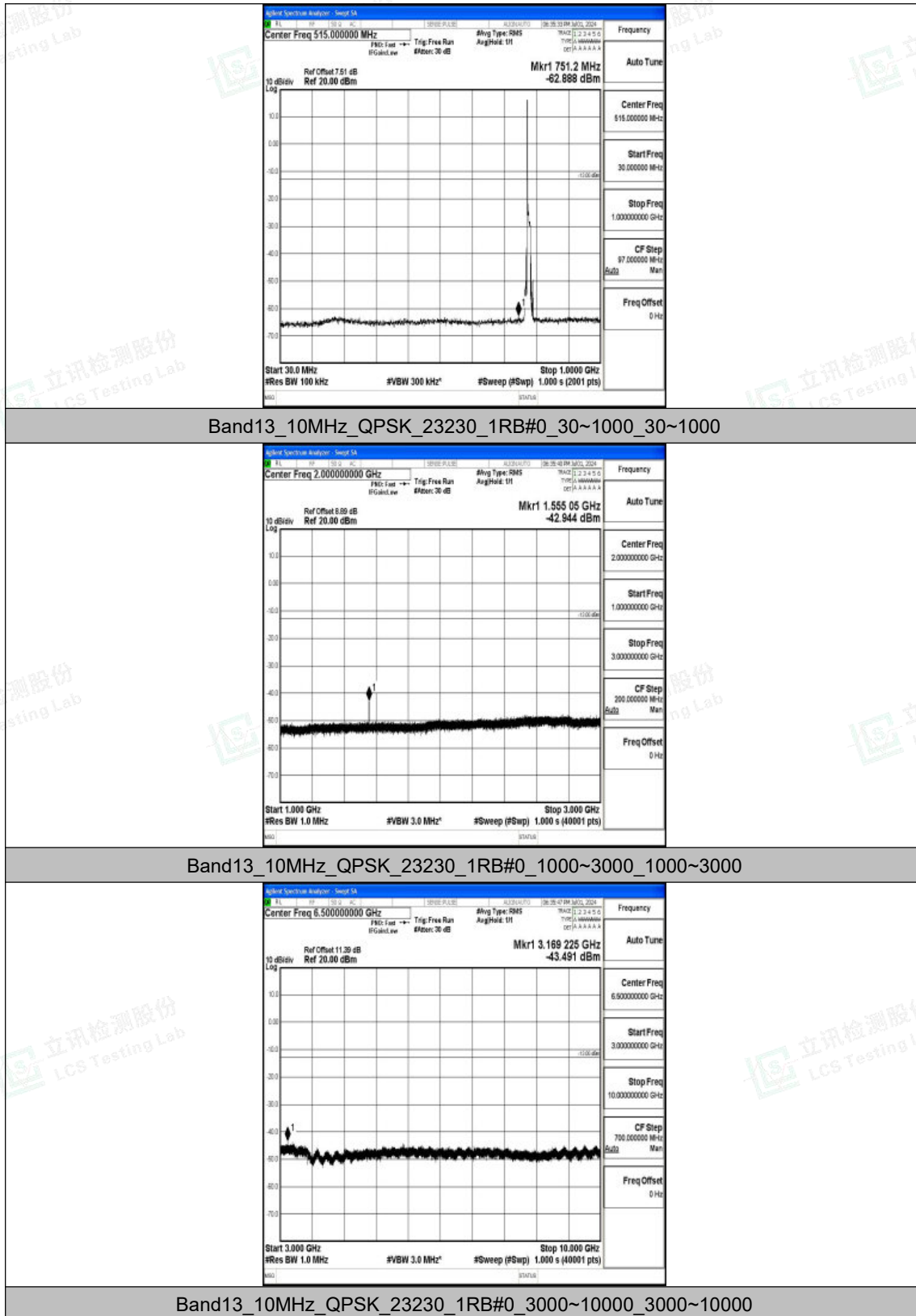


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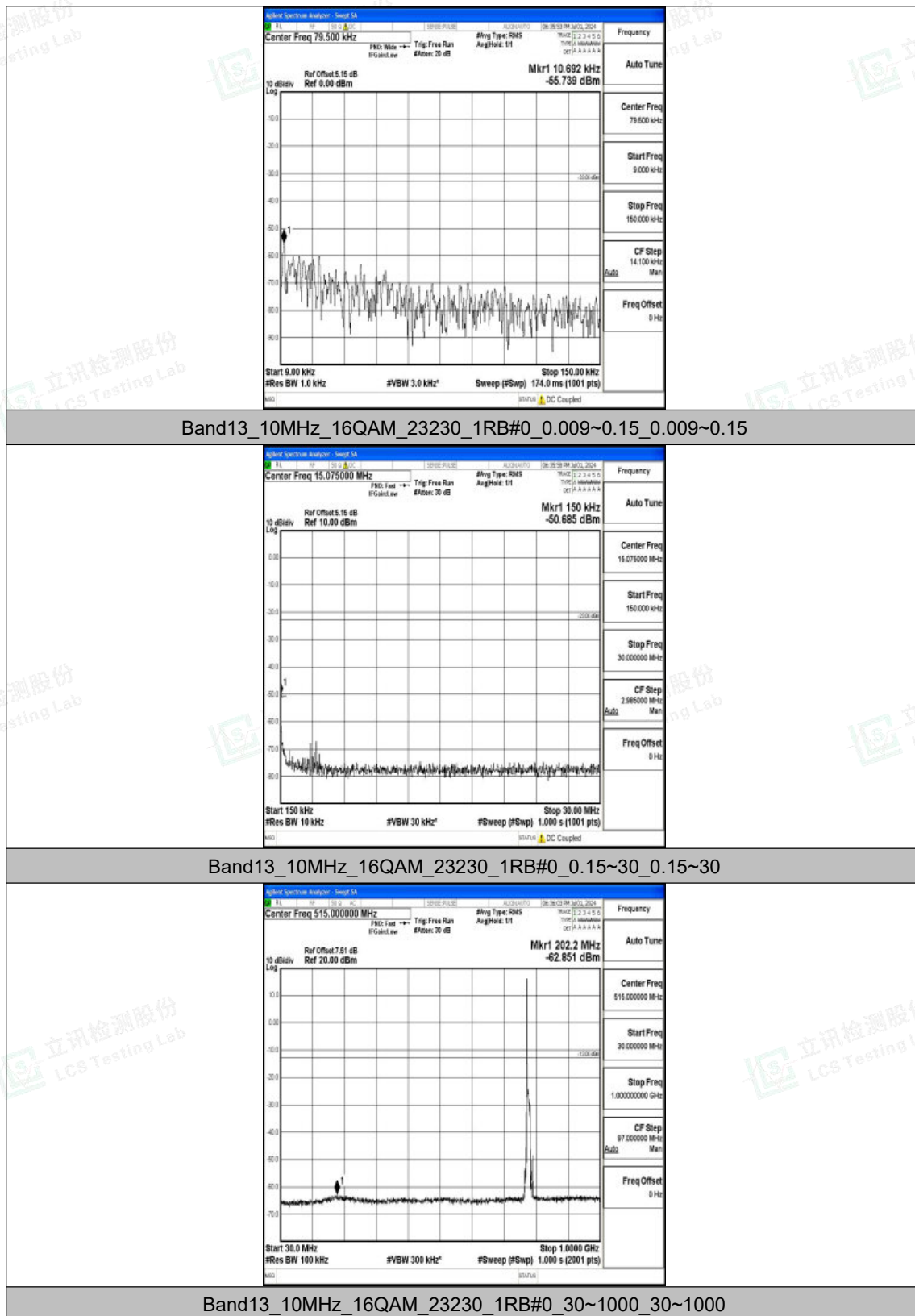


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