



Appendix L: Test Data for E-UTRA Band 13

Product Name: Mobile phone

Test Model: F175

Environmental Conditions

Temperature:	25.2°C
Relative Humidity:	54.8%
ATM Pressure:	100.0 kPa
Test Engineer:	Jerry Chu
Supervised by:	Can Kun



L.1 Conducted Output Power Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	24.75	PASS
Band13	5MHz	QPSK	23205	1RB#12	25.01	PASS
Band13	5MHz	QPSK	23205	1RB#24	24.77	PASS
Band13	5MHz	QPSK	23205	12RB#0	23.63	PASS
Band13	5MHz	QPSK	23205	12RB#6	23.61	PASS
Band13	5MHz	QPSK	23205	12RB#13	23.67	PASS
Band13	5MHz	QPSK	23205	25RB#0	23.65	PASS
Band13	5MHz	16QAM	23205	1RB#0	23.45	PASS
Band13	5MHz	16QAM	23205	1RB#12	24.07	PASS
Band13	5MHz	16QAM	23205	1RB#24	23.80	PASS
Band13	5MHz	16QAM	23205	12RB#0	22.57	PASS
Band13	5MHz	16QAM	23205	12RB#6	22.87	PASS
Band13	5MHz	16QAM	23205	12RB#13	22.59	PASS
Band13	5MHz	16QAM	23205	25RB#0	22.78	PASS
Band13	5MHz	QPSK	23230	1RB#0	24.83	PASS
Band13	5MHz	QPSK	23230	1RB#12	24.84	PASS
Band13	5MHz	QPSK	23230	1RB#24	24.95	PASS
Band13	5MHz	QPSK	23230	12RB#0	23.67	PASS
Band13	5MHz	QPSK	23230	12RB#6	23.65	PASS
Band13	5MHz	QPSK	23230	12RB#13	23.79	PASS
Band13	5MHz	QPSK	23230	25RB#0	23.63	PASS
Band13	5MHz	16QAM	23230	1RB#0	23.86	PASS
Band13	5MHz	16QAM	23230	1RB#12	23.77	PASS
Band13	5MHz	16QAM	23230	1RB#24	23.85	PASS
Band13	5MHz	16QAM	23230	12RB#0	22.83	PASS
Band13	5MHz	16QAM	23230	12RB#6	22.99	PASS
Band13	5MHz	16QAM	23230	12RB#13	22.97	PASS
Band13	5MHz	16QAM	23230	25RB#0	22.81	PASS
Band13	5MHz	QPSK	23255	1RB#0	24.72	PASS
Band13	5MHz	QPSK	23255	1RB#12	24.76	PASS
Band13	5MHz	QPSK	23255	1RB#24	24.76	PASS
Band13	5MHz	QPSK	23255	12RB#0	23.88	PASS
Band13	5MHz	QPSK	23255	12RB#6	23.84	PASS
Band13	5MHz	QPSK	23255	12RB#13	23.85	PASS
Band13	5MHz	QPSK	23255	25RB#0	23.87	PASS



Band13	5MHz	16QAM	23255	1RB#0	23.78	PASS
Band13	5MHz	16QAM	23255	1RB#12	23.80	PASS
Band13	5MHz	16QAM	23255	1RB#24	23.96	PASS
Band13	5MHz	16QAM	23255	12RB#0	22.66	PASS
Band13	5MHz	16QAM	23255	12RB#6	22.77	PASS
Band13	5MHz	16QAM	23255	12RB#13	22.92	PASS
Band13	5MHz	16QAM	23255	25RB#0	23.04	PASS
Band13	10MHz	QPSK	23230	1RB#0	24.70	PASS
Band13	10MHz	QPSK	23230	1RB#24	24.71	PASS
Band13	10MHz	QPSK	23230	1RB#49	24.69	PASS
Band13	10MHz	QPSK	23230	25RB#0	23.58	PASS
Band13	10MHz	QPSK	23230	25RB#12	23.77	PASS
Band13	10MHz	QPSK	23230	25RB#25	23.78	PASS
Band13	10MHz	QPSK	23230	50RB#0	23.65	PASS
Band13	10MHz	16QAM	23230	1RB#0	24.05	PASS
Band13	10MHz	16QAM	23230	1RB#24	23.92	PASS
Band13	10MHz	16QAM	23230	1RB#49	24.05	PASS
Band13	10MHz	16QAM	23230	25RB#0	22.83	PASS
Band13	10MHz	16QAM	23230	25RB#12	22.90	PASS
Band13	10MHz	16QAM	23230	25RB#25	22.91	PASS
Band13	10MHz	16QAM	23230	50RB#0	22.69	PASS



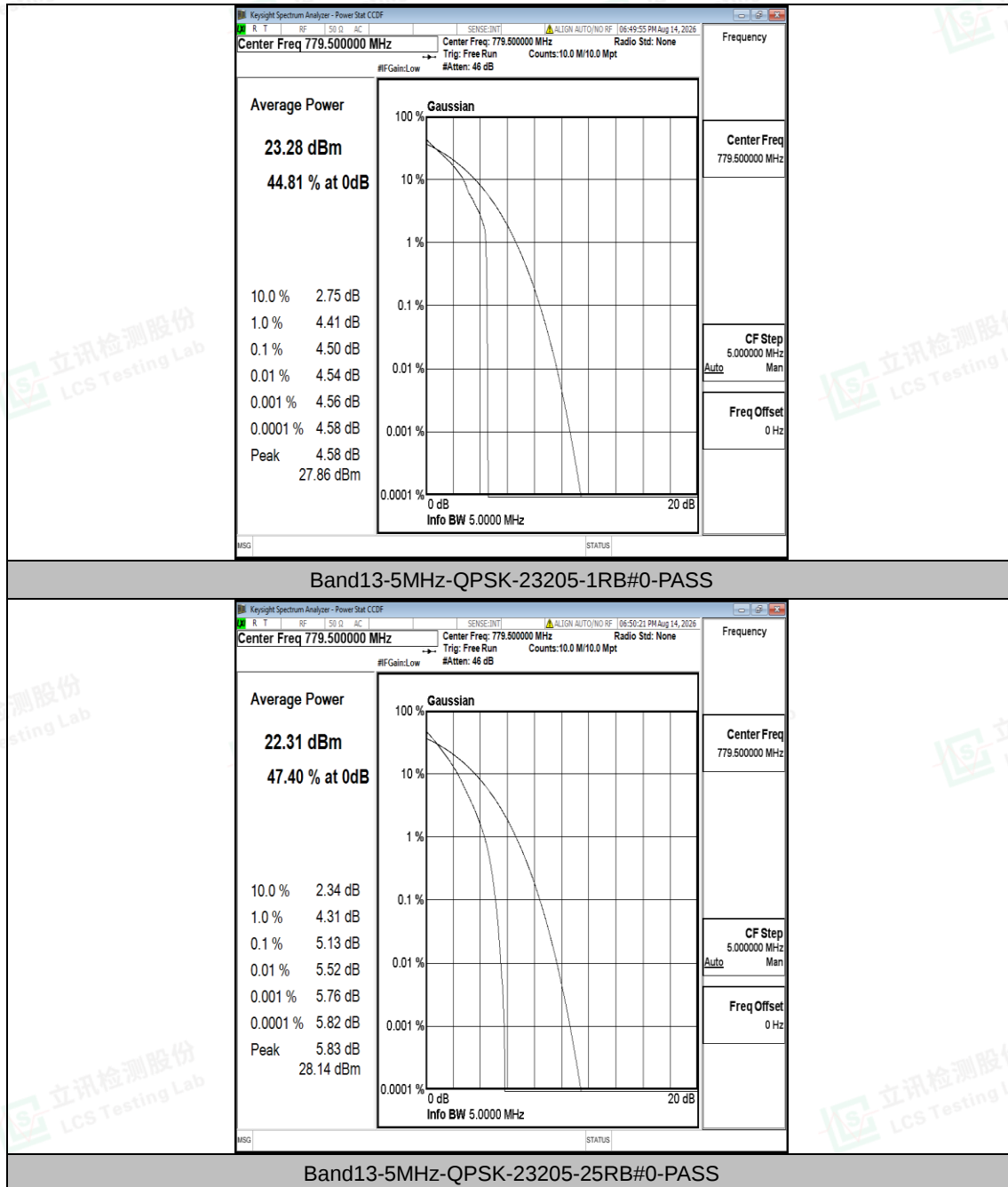
L.2 Peak-to-Average Ratio(CCDF)

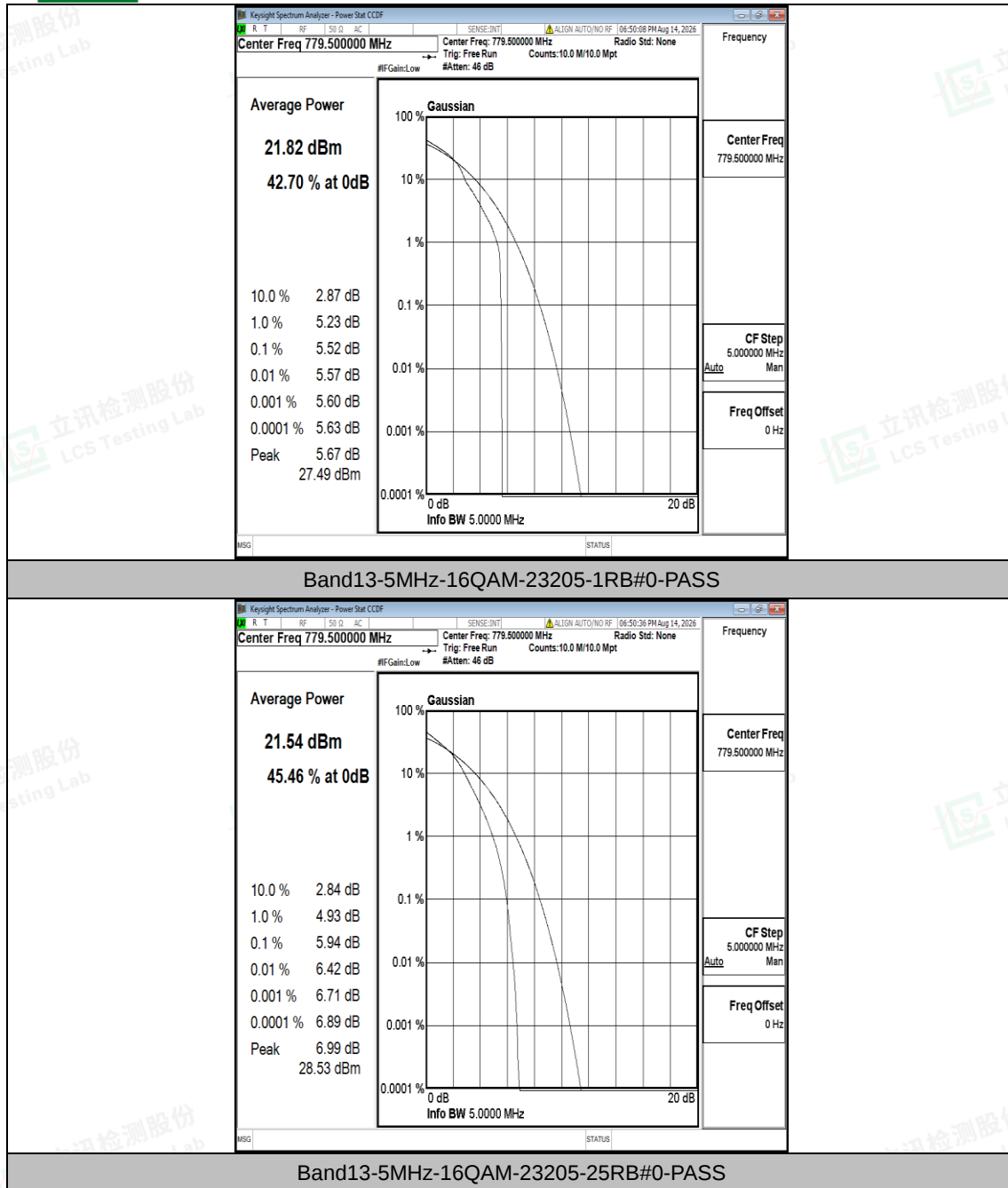
Test Result

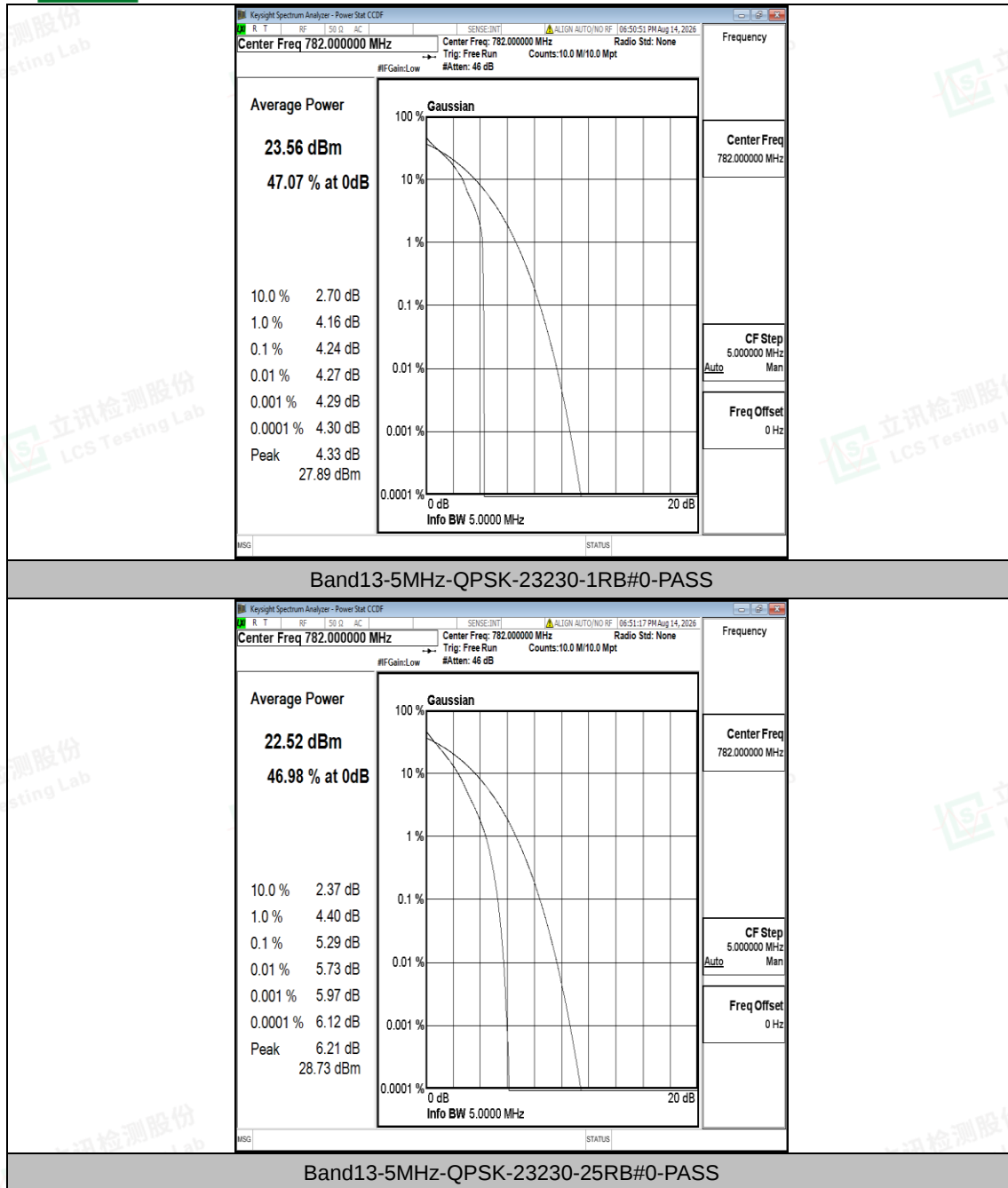
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	4.50	13	PASS
Band13	5MHz	QPSK	23205	25RB#0	5.13	13	PASS
Band13	5MHz	16QAM	23205	1RB#0	5.52	13	PASS
Band13	5MHz	16QAM	23205	25RB#0	5.94	13	PASS
Band13	5MHz	QPSK	23230	1RB#0	4.24	13	PASS
Band13	5MHz	QPSK	23230	25RB#0	5.29	13	PASS
Band13	5MHz	16QAM	23230	1RB#0	4.98	13	PASS
Band13	5MHz	16QAM	23230	25RB#0	6.02	13	PASS
Band13	5MHz	QPSK	23255	1RB#0	4.66	13	PASS
Band13	5MHz	QPSK	23255	25RB#0	5.36	13	PASS
Band13	5MHz	16QAM	23255	1RB#0	5.42	13	PASS
Band13	5MHz	16QAM	23255	25RB#0	6.11	13	PASS
Band13	10MHz	QPSK	23230	1RB#0	4.55	13	PASS
Band13	10MHz	QPSK	23230	50RB#0	5.32	13	PASS
Band13	10MHz	16QAM	23230	1RB#0	5.43	13	PASS
Band13	10MHz	16QAM	23230	50RB#0	6.11	13	PASS

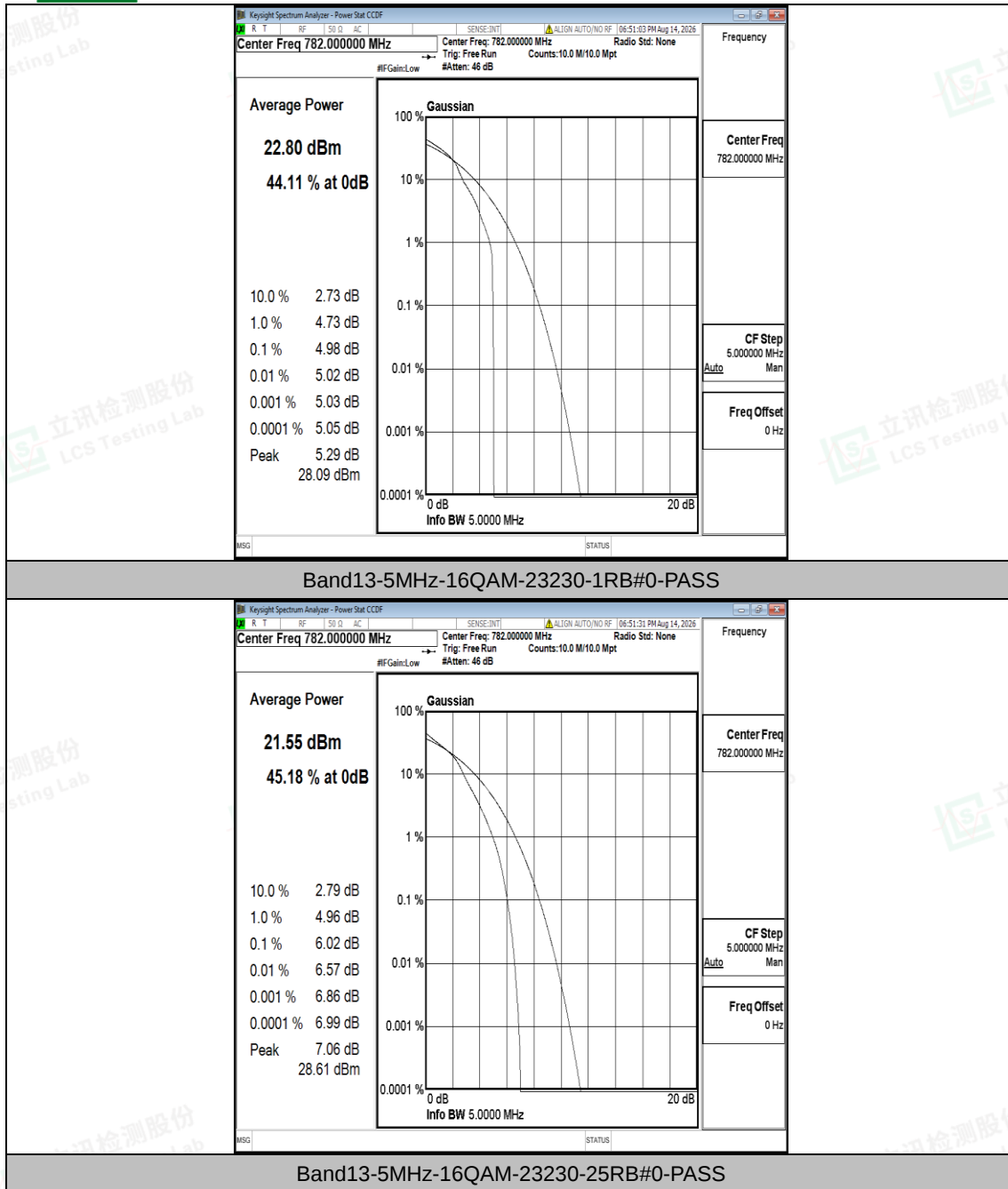


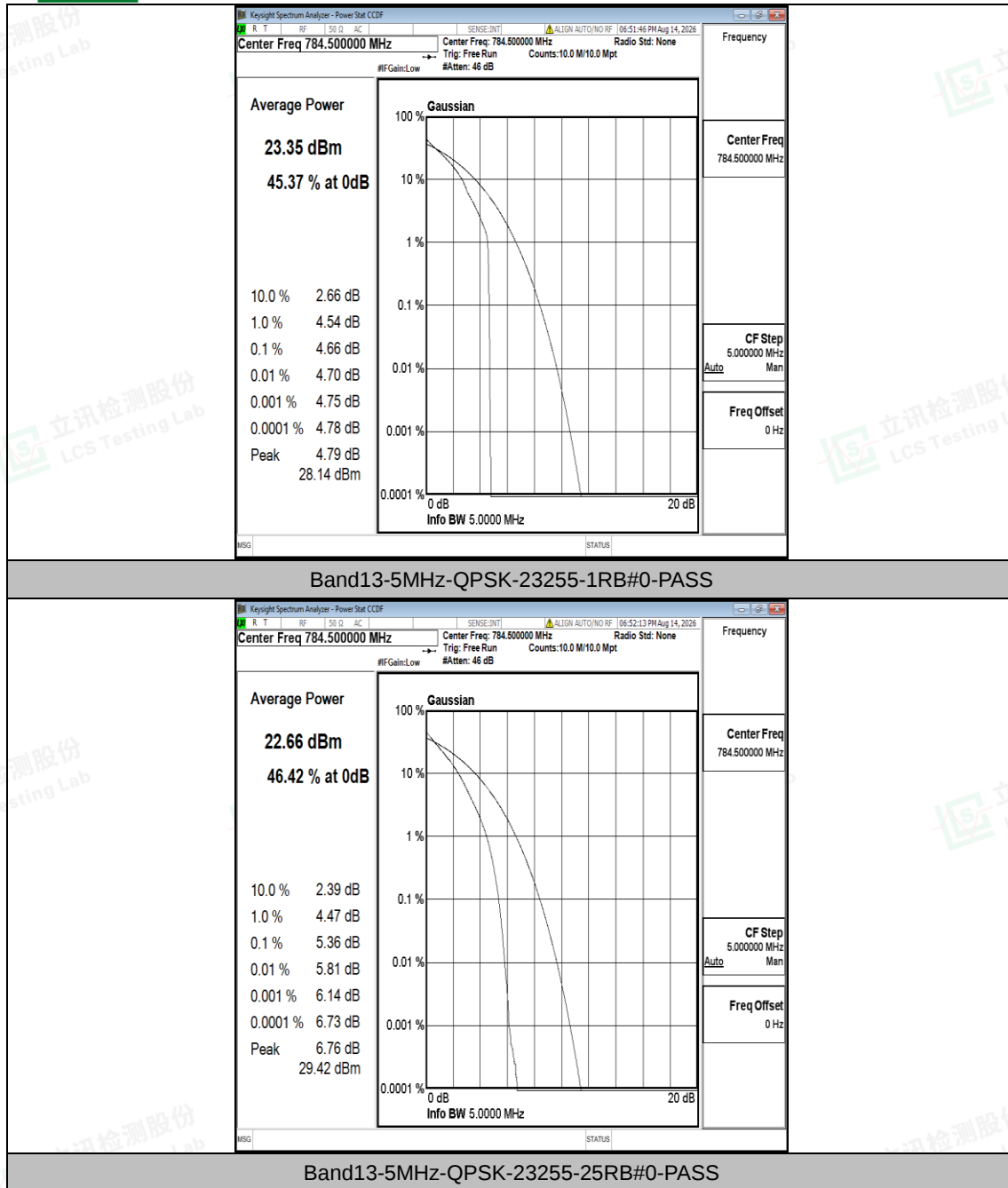
Test Graphs

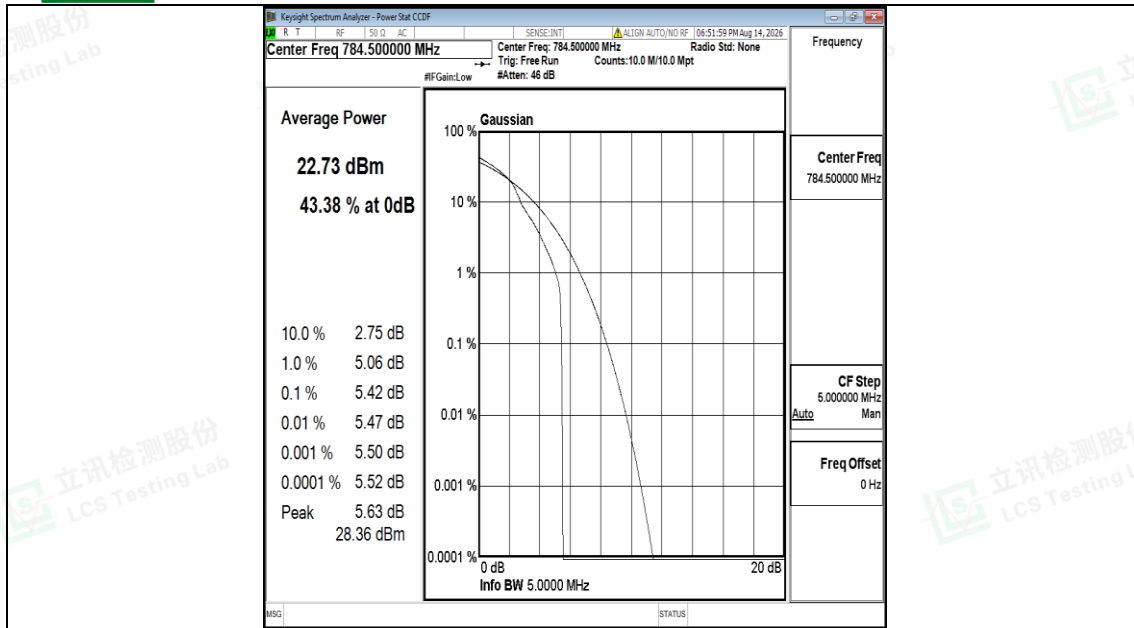




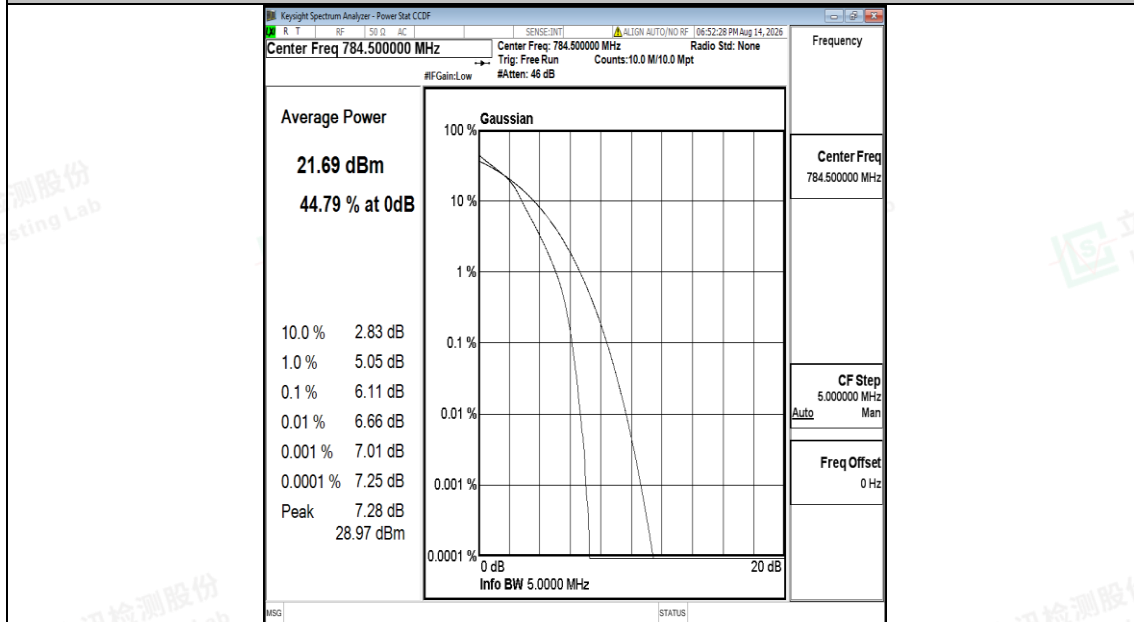




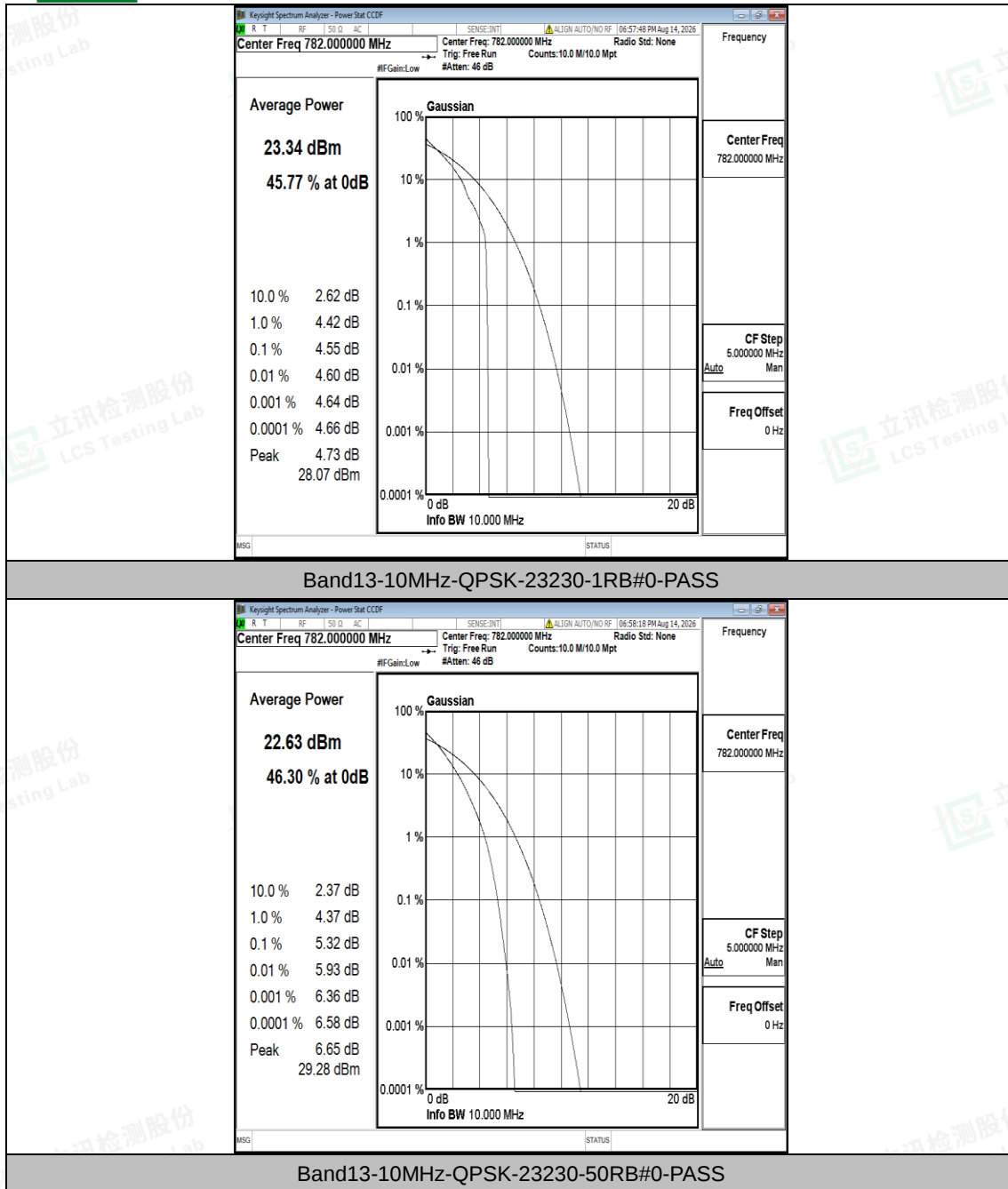


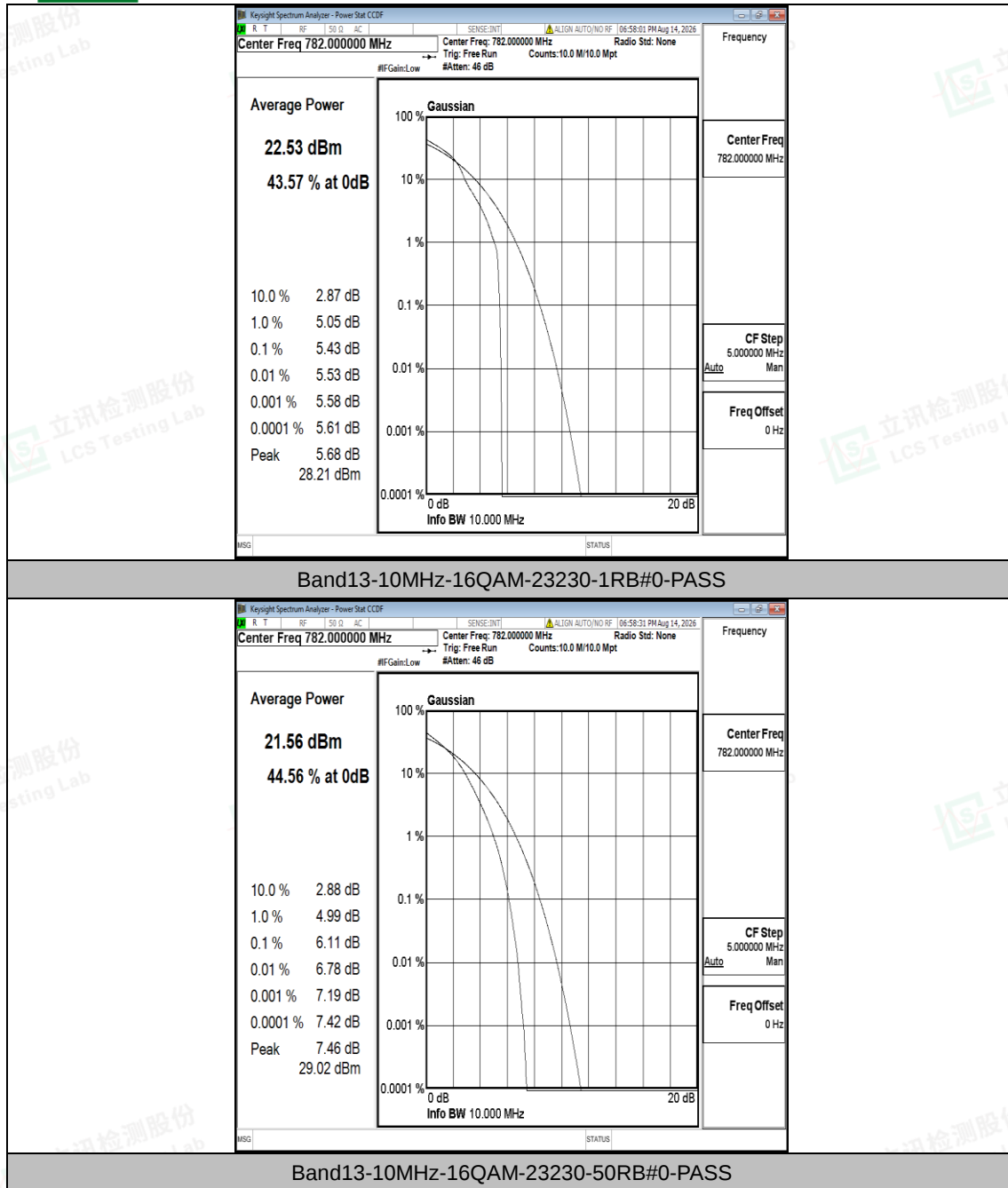


Band13-5MHz-16QAM-23255-1RB#0-PASS



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







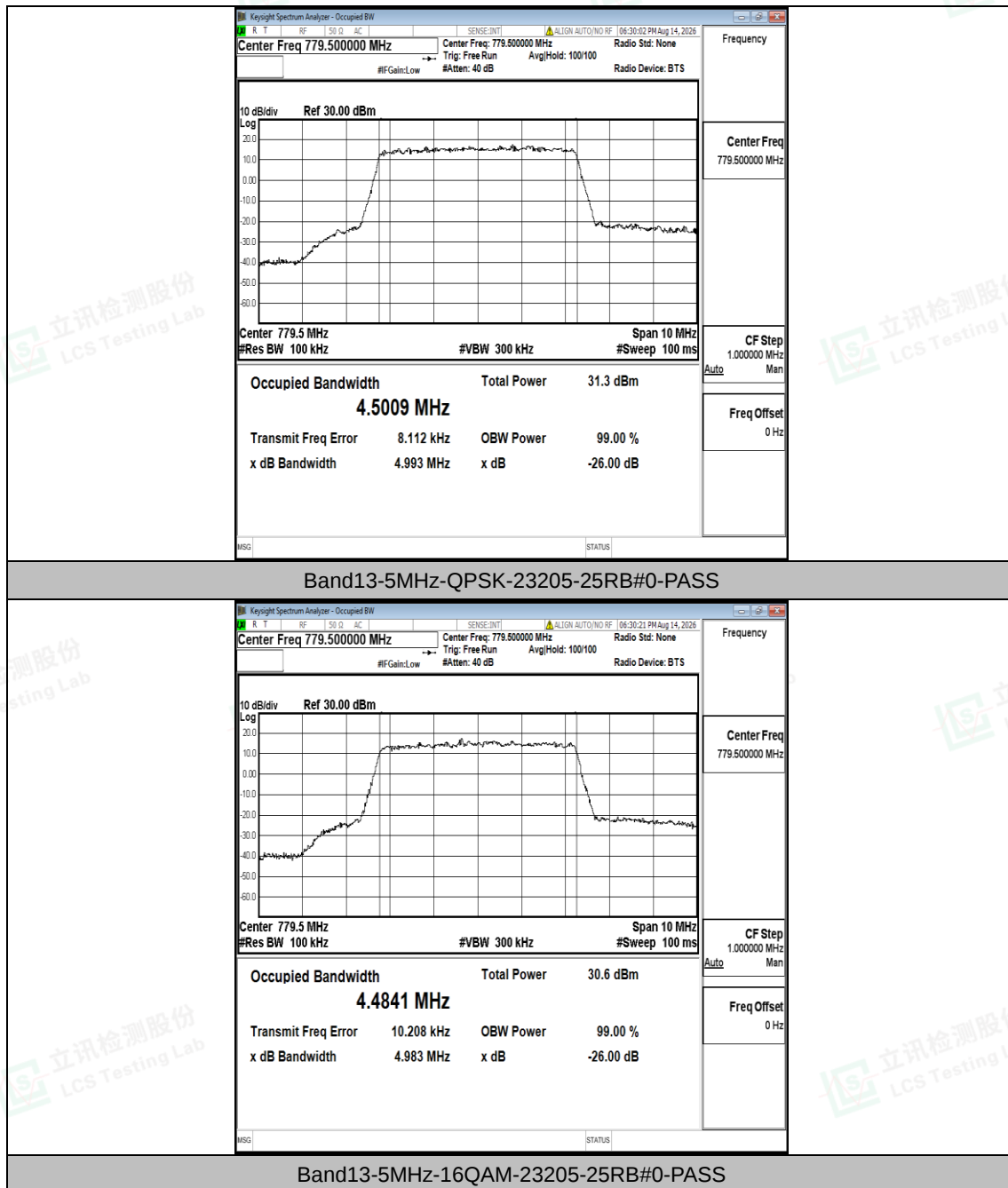
L.3 26dB Bandwidth and Occupied Bandwidth

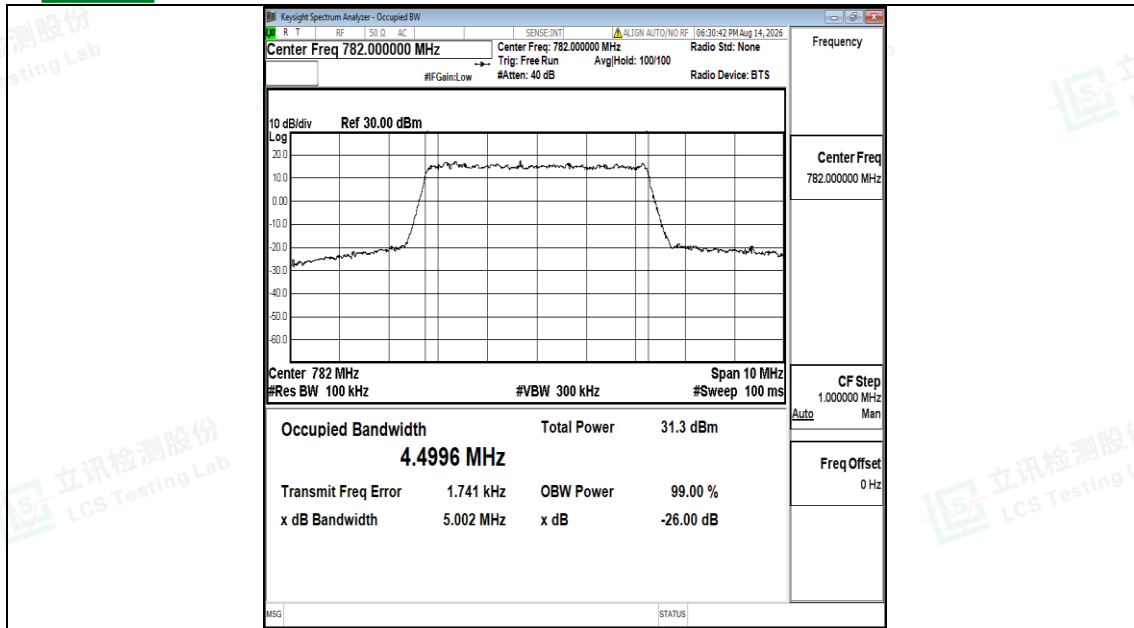
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band13	5MHz	QPSK	23205	25RB#0	4.5009	4.993	PASS
Band13	5MHz	16QAM	23205	25RB#0	4.4841	4.983	PASS
Band13	5MHz	QPSK	23230	25RB#0	4.4996	5.002	PASS
Band13	5MHz	16QAM	23230	25RB#0	4.5218	5.035	PASS
Band13	5MHz	QPSK	23255	25RB#0	4.5247	5.043	PASS
Band13	5MHz	16QAM	23255	25RB#0	4.5073	5.028	PASS
Band13	10MHz	QPSK	23230	50RB#0	8.9622	9.871	PASS
Band13	10MHz	16QAM	23230	50RB#0	8.9581	9.898	PASS

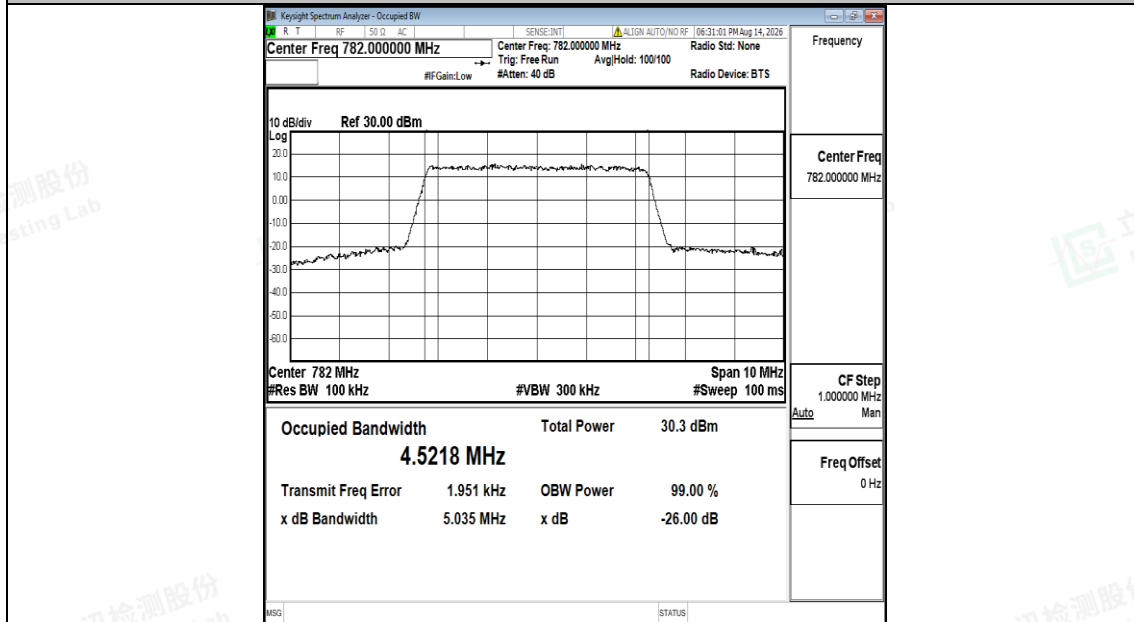


Test Graphs

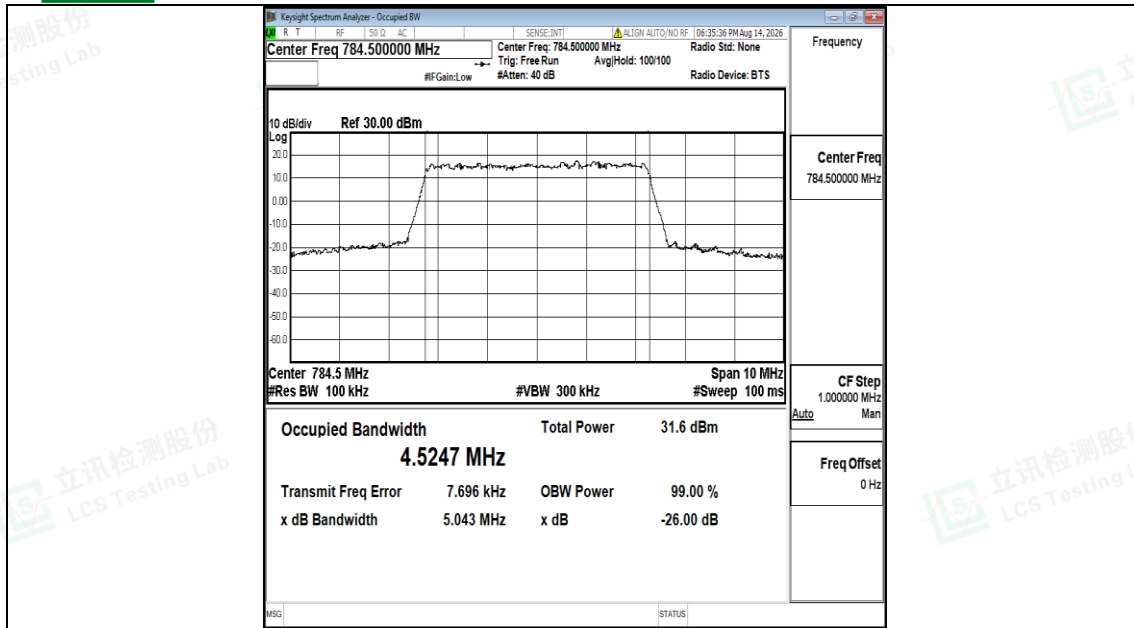




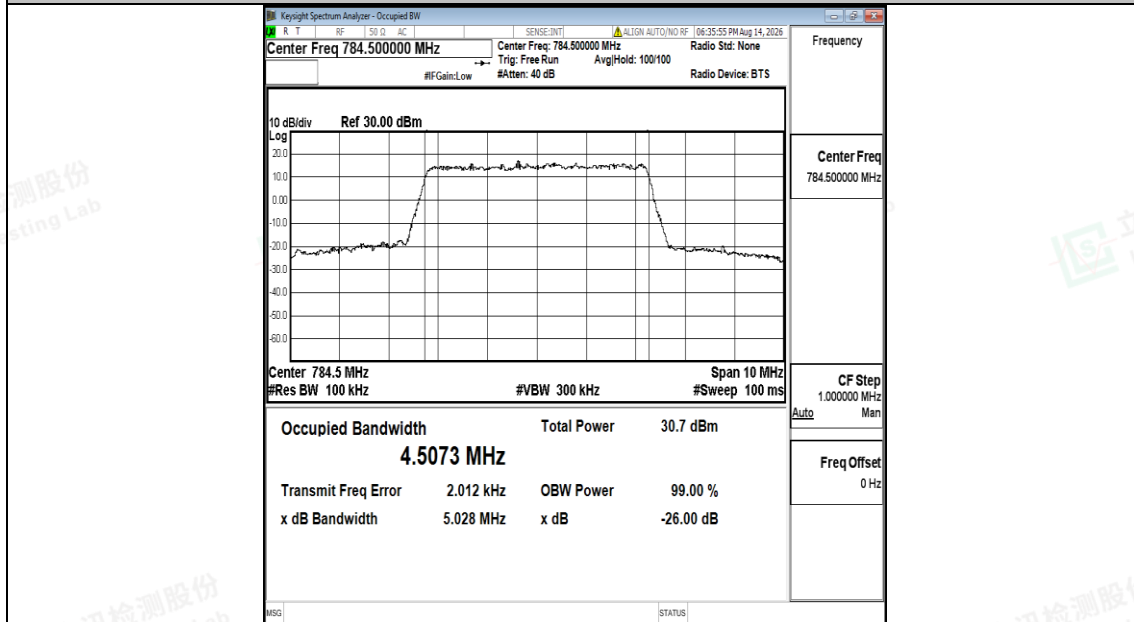
Band13-5MHz-QPSK-23230-25RB#0-PASS



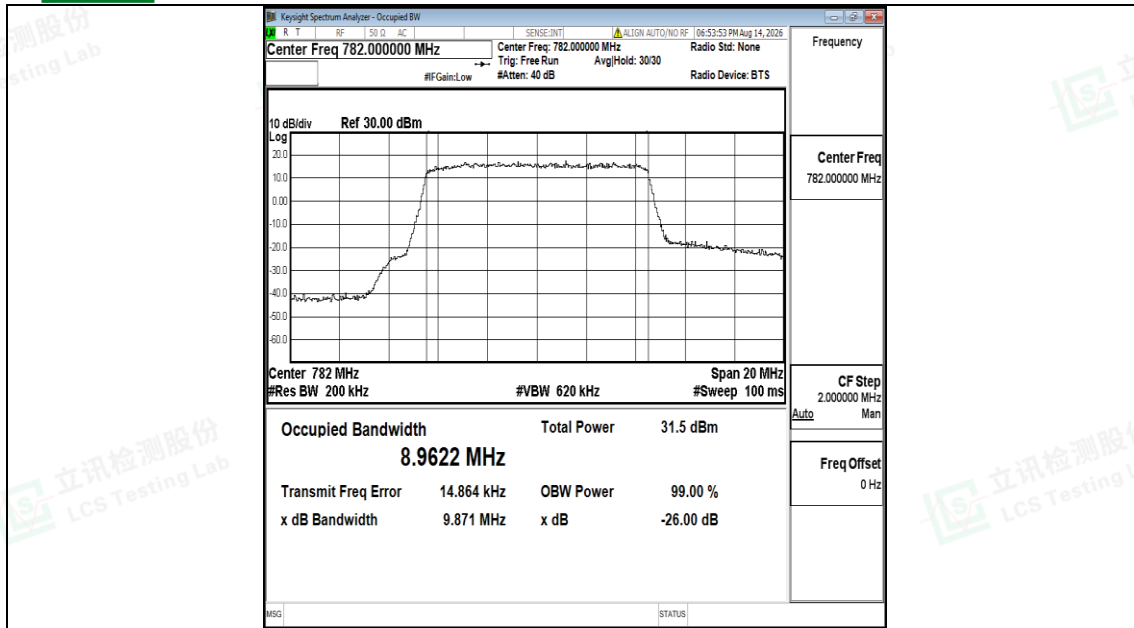
Band13-5MHz-16QAM-23230-25RB#0-PASS



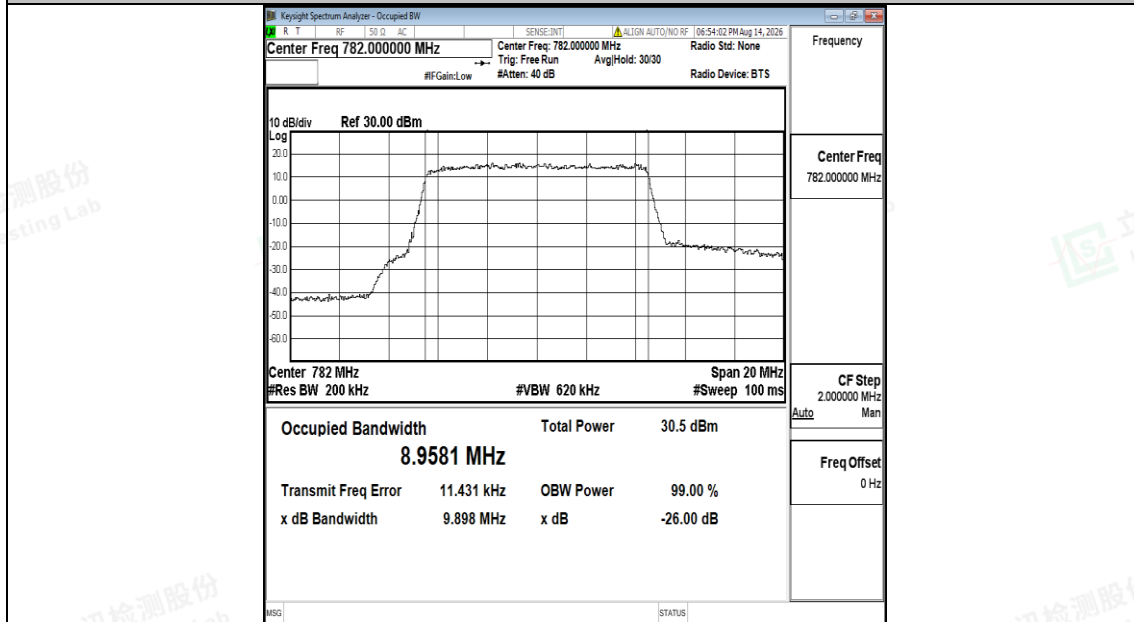
Band13-5MHz-QPSK-23255-25RB#0-PASS



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



Band13-10MHz-QPSK-23230-50RB#0-PASS



Band13-10MHz-16QAM-23230-50RB#0-PASS

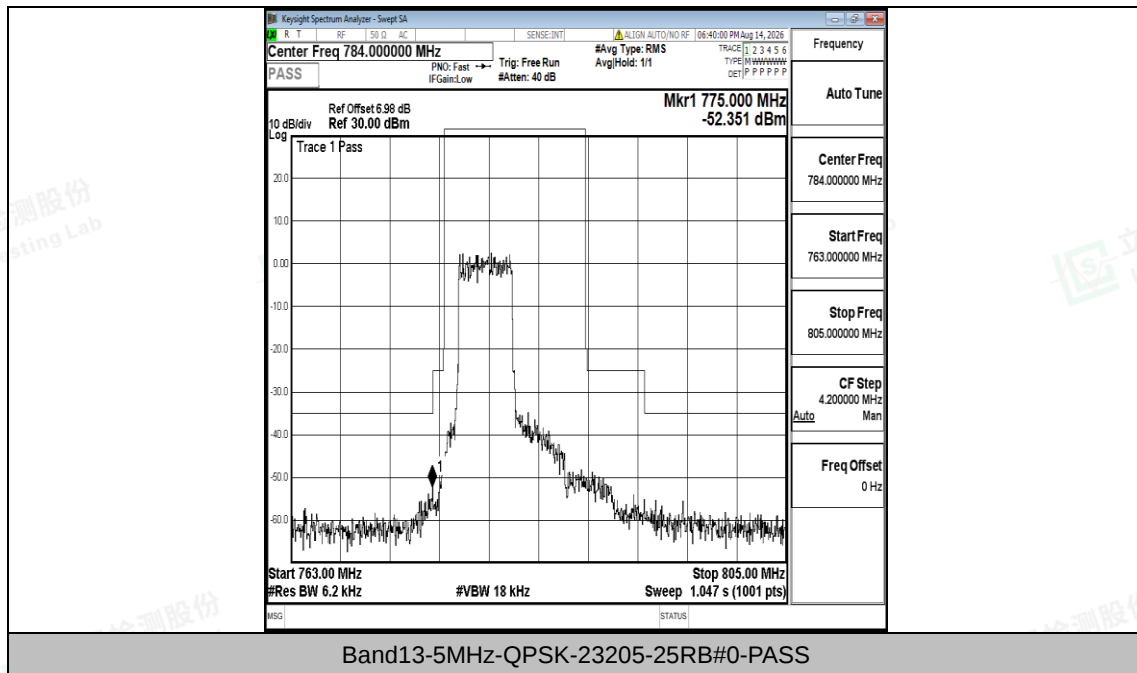


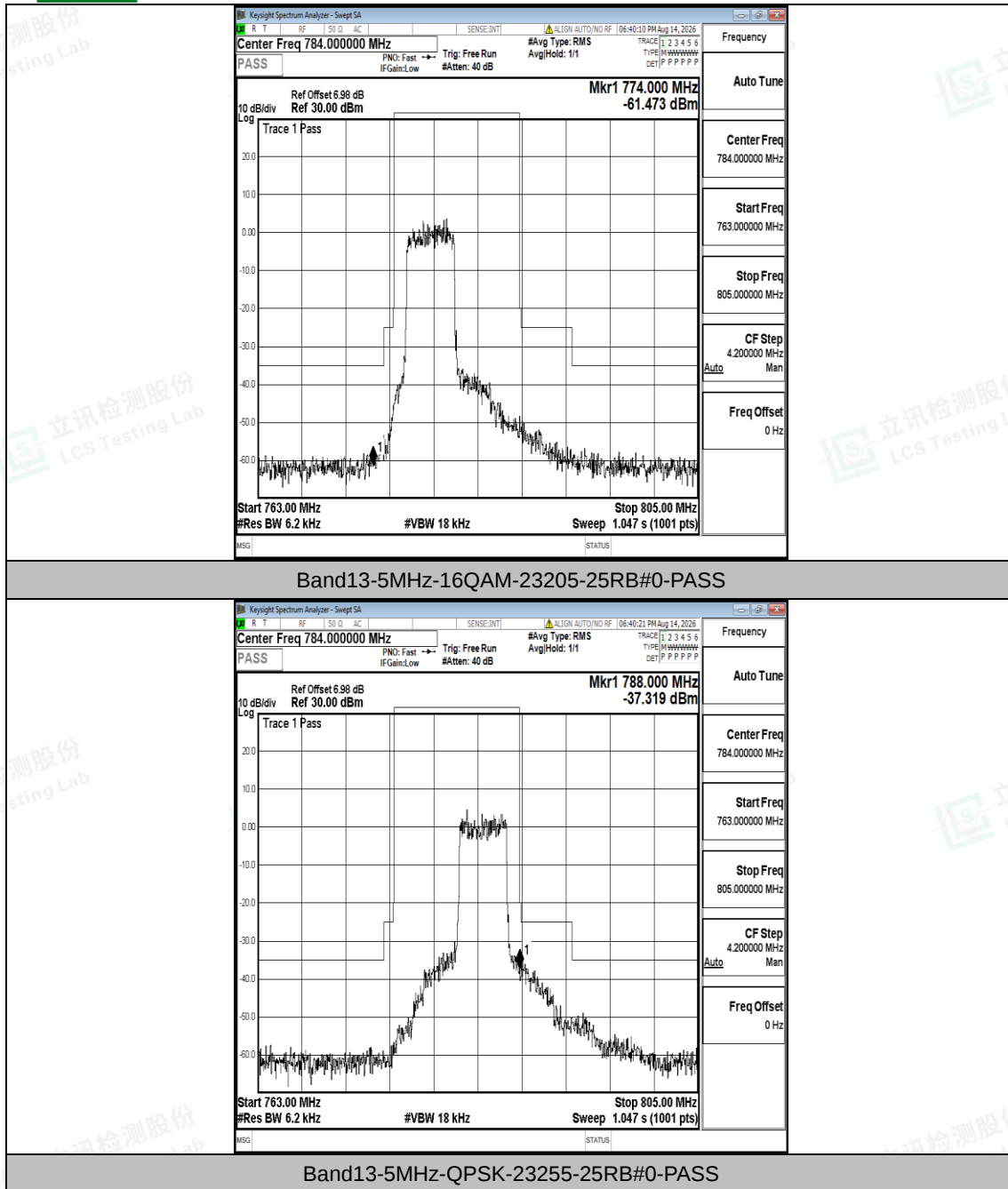
L.4 Band Edge

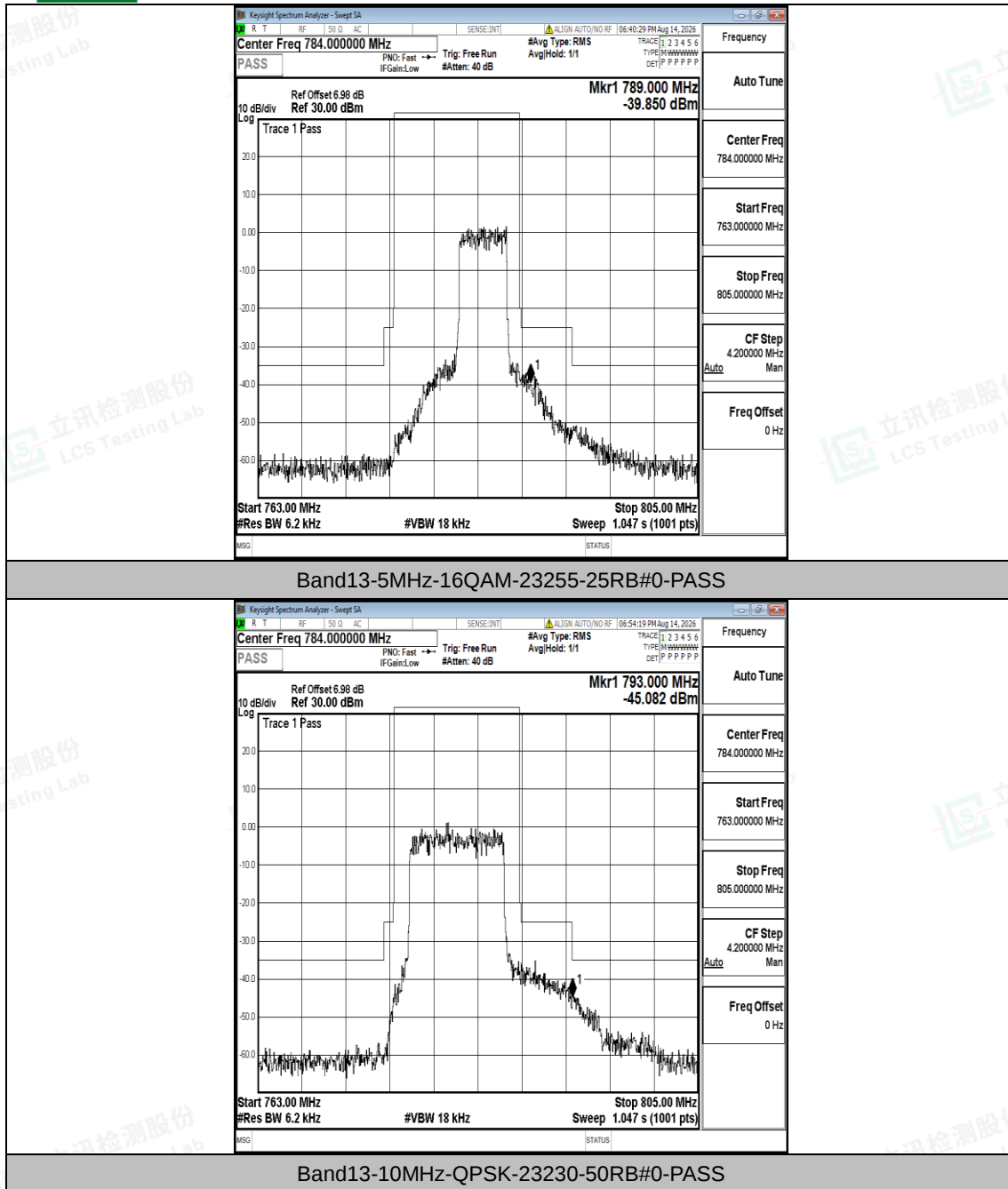
Test Result

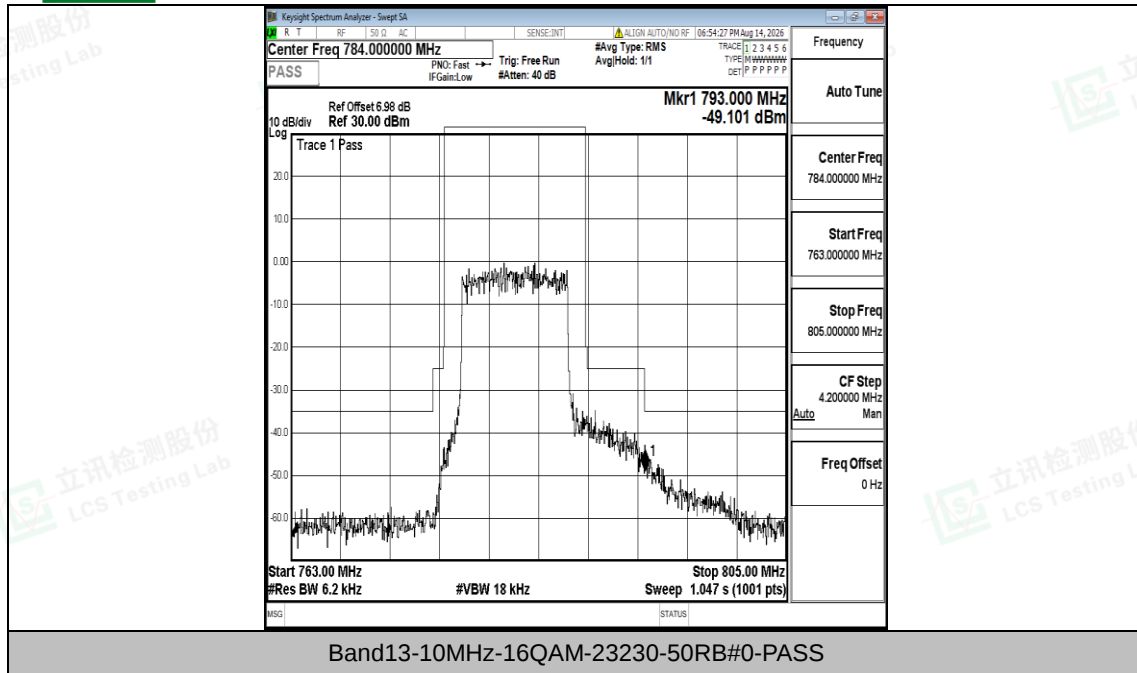
Band	Bandwidth	Modulation	Channel	RB Configuration	Peak Frequency	Result(dBm)	Verdict
Band13	5MHz	QPSK	23205	25RB#0	775.00	-54.00	PASS
Band13	5MHz	16QAM	23205	25RB#0	774.00	-55.00	PASS
Band13	5MHz	QPSK	23255	25RB#0	788.00	-36.00	PASS
Band13	5MHz	16QAM	23255	25RB#0	789.00	-37.00	PASS
Band13	10MHz	QPSK	23230	50RB#0	793.00	-44.00	PASS
Band13	10MHz	16QAM	23230	50RB#0	793.00	-43.00	PASS

Test Graphs











L.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	-57.55	PASS
Band13	5MHz	QPSK	23205	1RB#0	0.15~30	-53.84	PASS
Band13	5MHz	QPSK	23205	1RB#0	30~1000	-52.82	PASS
Band13	5MHz	QPSK	23205	1RB#0	1000~3000	-35.93	PASS
Band13	5MHz	QPSK	23205	1RB#0	3000~10000	-35.25	PASS
Band13	5MHz	16QAM	23205	1RB#0	0.009~0.15	-58.81	PASS
Band13	5MHz	16QAM	23205	1RB#0	0.15~30	-53.47	PASS
Band13	5MHz	16QAM	23205	1RB#0	30~1000	-53.55	PASS
Band13	5MHz	16QAM	23205	1RB#0	1000~3000	-35.32	PASS
Band13	5MHz	16QAM	23205	1RB#0	3000~10000	-34.48	PASS
Band13	5MHz	QPSK	23230	1RB#0	0.009~0.15	-58.36	PASS
Band13	5MHz	QPSK	23230	1RB#0	0.15~30	-52.96	PASS
Band13	5MHz	QPSK	23230	1RB#0	30~1000	-53.39	PASS
Band13	5MHz	QPSK	23230	1RB#0	1000~3000	-36.10	PASS
Band13	5MHz	QPSK	23230	1RB#0	3000~10000	-34.80	PASS
Band13	5MHz	16QAM	23230	1RB#0	0.009~0.15	-58.84	PASS
Band13	5MHz	16QAM	23230	1RB#0	0.15~30	-51.25	PASS
Band13	5MHz	16QAM	23230	1RB#0	30~1000	-52.89	PASS
Band13	5MHz	16QAM	23230	1RB#0	1000~3000	-36.96	PASS
Band13	5MHz	16QAM	23230	1RB#0	3000~10000	-35.37	PASS
Band13	5MHz	QPSK	23255	1RB#0	0.009~0.15	-56.21	PASS
Band13	5MHz	QPSK	23255	1RB#0	0.15~30	-55.07	PASS
Band13	5MHz	QPSK	23255	1RB#0	30~1000	-53.10	PASS
Band13	5MHz	QPSK	23255	1RB#0	1000~3000	-34.21	PASS
Band13	5MHz	QPSK	23255	1RB#0	3000~10000	-34.22	PASS
Band13	5MHz	16QAM	23255	1RB#0	0.009~0.15	-58.68	PASS
Band13	5MHz	16QAM	23255	1RB#0	0.15~30	-53.45	PASS
Band13	5MHz	16QAM	23255	1RB#0	30~1000	-53.15	PASS
Band13	5MHz	16QAM	23255	1RB#0	1000~3000	-36.21	PASS
Band13	5MHz	16QAM	23255	1RB#0	3000~10000	-35.10	PASS
Band13	10MHz	QPSK	23230	1RB#0	0.009~0.15	-59.54	PASS
Band13	10MHz	QPSK	23230	1RB#0	0.15~30	-52.10	PASS
Band13	10MHz	QPSK	23230	1RB#0	30~1000	-52.94	PASS
Band13	10MHz	QPSK	23230	1RB#0	1000~3000	-35.08	PASS



Band13	10MHz	QPSK	23230	1RB#0	3000~10000	-34.98	PASS
Band13	10MHz	16QAM	23230	1RB#0	0.009~0.15	-58.54	PASS
Band13	10MHz	16QAM	23230	1RB#0	0.15~30	-53.72	PASS
Band13	10MHz	16QAM	23230	1RB#0	30~1000	-52.88	PASS
Band13	10MHz	16QAM	23230	1RB#0	1000~3000	-36.42	PASS
Band13	10MHz	16QAM	23230	1RB#0	3000~10000	-34.58	PASS

Test Graphs

