



Appendix L: Test Data for E-UTRA Band 13

Product Name: Mobile phone

Test Model: F161

Environmental Conditions

Temperature:	25.6°C
Relative Humidity:	54.2%
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	24.84	PASS
Band13	5MHz	QPSK	23205	1RB#12	24.99	PASS
Band13	5MHz	QPSK	23205	1RB#24	24.68	PASS
Band13	5MHz	QPSK	23205	12RB#0	23.60	PASS
Band13	5MHz	QPSK	23205	12RB#6	23.57	PASS
Band13	5MHz	QPSK	23205	12RB#13	23.75	PASS
Band13	5MHz	QPSK	23205	25RB#0	23.59	PASS
Band13	5MHz	16QAM	23205	1RB#0	23.21	PASS
Band13	5MHz	16QAM	23205	1RB#12	23.86	PASS
Band13	5MHz	16QAM	23205	1RB#24	23.16	PASS
Band13	5MHz	16QAM	23205	12RB#0	22.64	PASS
Band13	5MHz	16QAM	23205	12RB#6	22.62	PASS
Band13	5MHz	16QAM	23205	12RB#13	22.62	PASS
Band13	5MHz	16QAM	23205	25RB#0	22.80	PASS
Band13	5MHz	QPSK	23230	1RB#0	24.86	PASS
Band13	5MHz	QPSK	23230	1RB#12	24.85	PASS
Band13	5MHz	QPSK	23230	1RB#24	24.95	PASS
Band13	5MHz	QPSK	23230	12RB#0	23.71	PASS
Band13	5MHz	QPSK	23230	12RB#6	23.68	PASS
Band13	5MHz	QPSK	23230	12RB#13	23.77	PASS
Band13	5MHz	QPSK	23230	25RB#0	23.71	PASS
Band13	5MHz	16QAM	23230	1RB#0	24.14	PASS
Band13	5MHz	16QAM	23230	1RB#12	23.80	PASS
Band13	5MHz	16QAM	23230	1RB#24	23.84	PASS
Band13	5MHz	16QAM	23230	12RB#0	22.88	PASS
Band13	5MHz	16QAM	23230	12RB#6	22.89	PASS
Band13	5MHz	16QAM	23230	12RB#13	23.04	PASS
Band13	5MHz	16QAM	23230	25RB#0	22.80	PASS
Band13	5MHz	QPSK	23255	1RB#0	24.80	PASS
Band13	5MHz	QPSK	23255	1RB#12	24.71	PASS
Band13	5MHz	QPSK	23255	1RB#24	24.57	PASS
Band13	5MHz	QPSK	23255	12RB#0	23.84	PASS
Band13	5MHz	QPSK	23255	12RB#6	23.71	PASS
Band13	5MHz	QPSK	23255	12RB#13	23.73	PASS
Band13	5MHz	QPSK	23255	25RB#0	23.64	PASS
Band13	5MHz	16QAM	23255	1RB#0	23.66	PASS
Band13	5MHz	16QAM	23255	1RB#12	23.21	PASS



Band13	5MHz	16QAM	23255	1RB#24	24.04	PASS
Band13	5MHz	16QAM	23255	12RB#0	22.71	PASS
Band13	5MHz	16QAM	23255	12RB#6	22.73	PASS
Band13	5MHz	16QAM	23255	12RB#13	22.52	PASS
Band13	5MHz	16QAM	23255	25RB#0	22.81	PASS
Band13	10MHz	QPSK	23230	1RB#0	24.71	PASS
Band13	10MHz	QPSK	23230	1RB#24	24.65	PASS
Band13	10MHz	QPSK	23230	1RB#49	24.74	PASS
Band13	10MHz	QPSK	23230	25RB#0	23.65	PASS
Band13	10MHz	QPSK	23230	25RB#12	23.75	PASS
Band13	10MHz	QPSK	23230	25RB#25	23.75	PASS
Band13	10MHz	QPSK	23230	50RB#0	23.64	PASS
Band13	10MHz	16QAM	23230	1RB#0	23.84	PASS
Band13	10MHz	16QAM	23230	1RB#24	23.50	PASS
Band13	10MHz	16QAM	23230	1RB#49	24.01	PASS
Band13	10MHz	16QAM	23230	25RB#0	22.77	PASS
Band13	10MHz	16QAM	23230	25RB#12	22.76	PASS
Band13	10MHz	16QAM	23230	25RB#25	22.98	PASS
Band13	10MHz	16QAM	23230	50RB#0	22.65	PASS



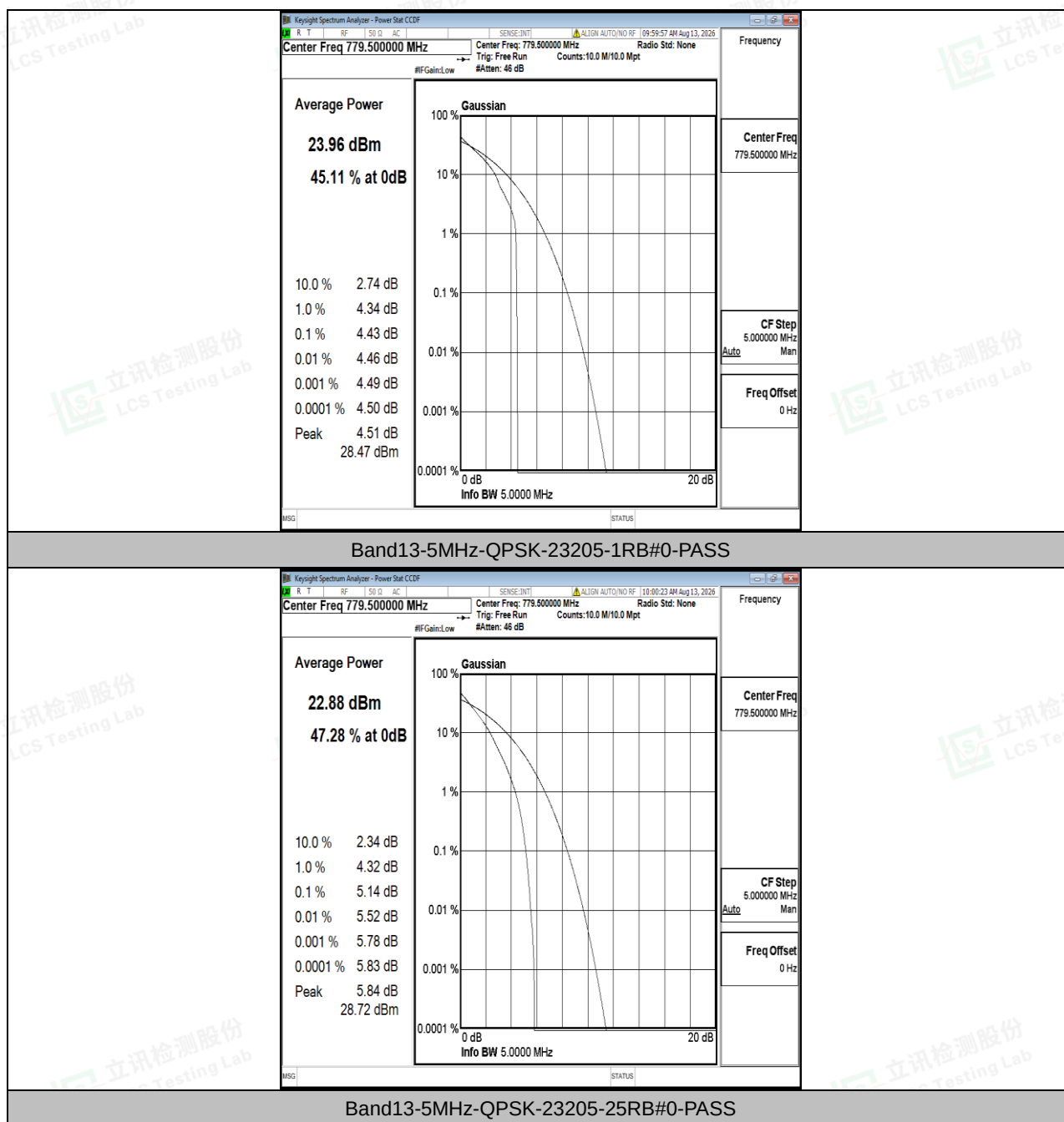
L.2 Peak-to-Average Ratio(CCDF)

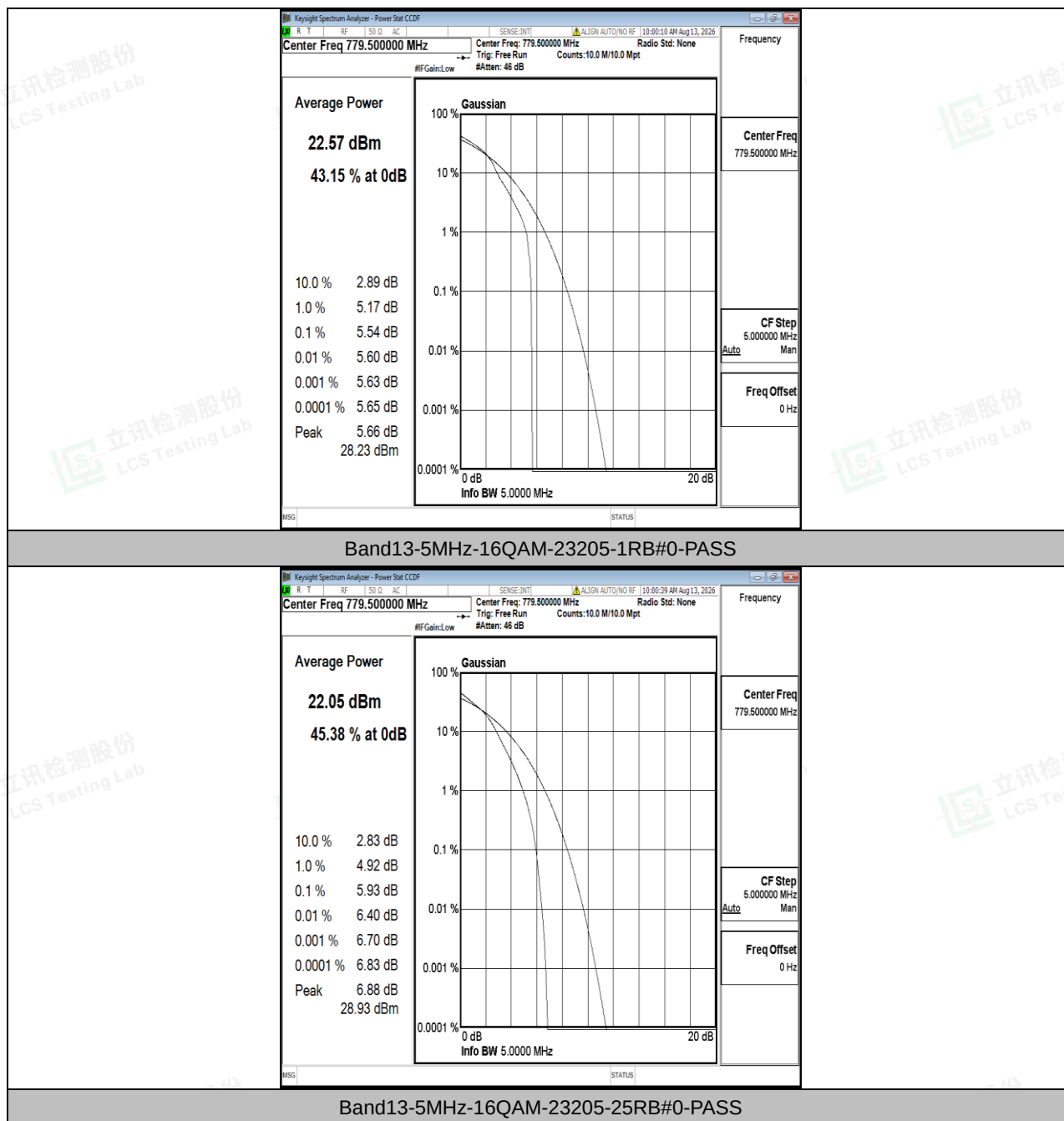
Test Result

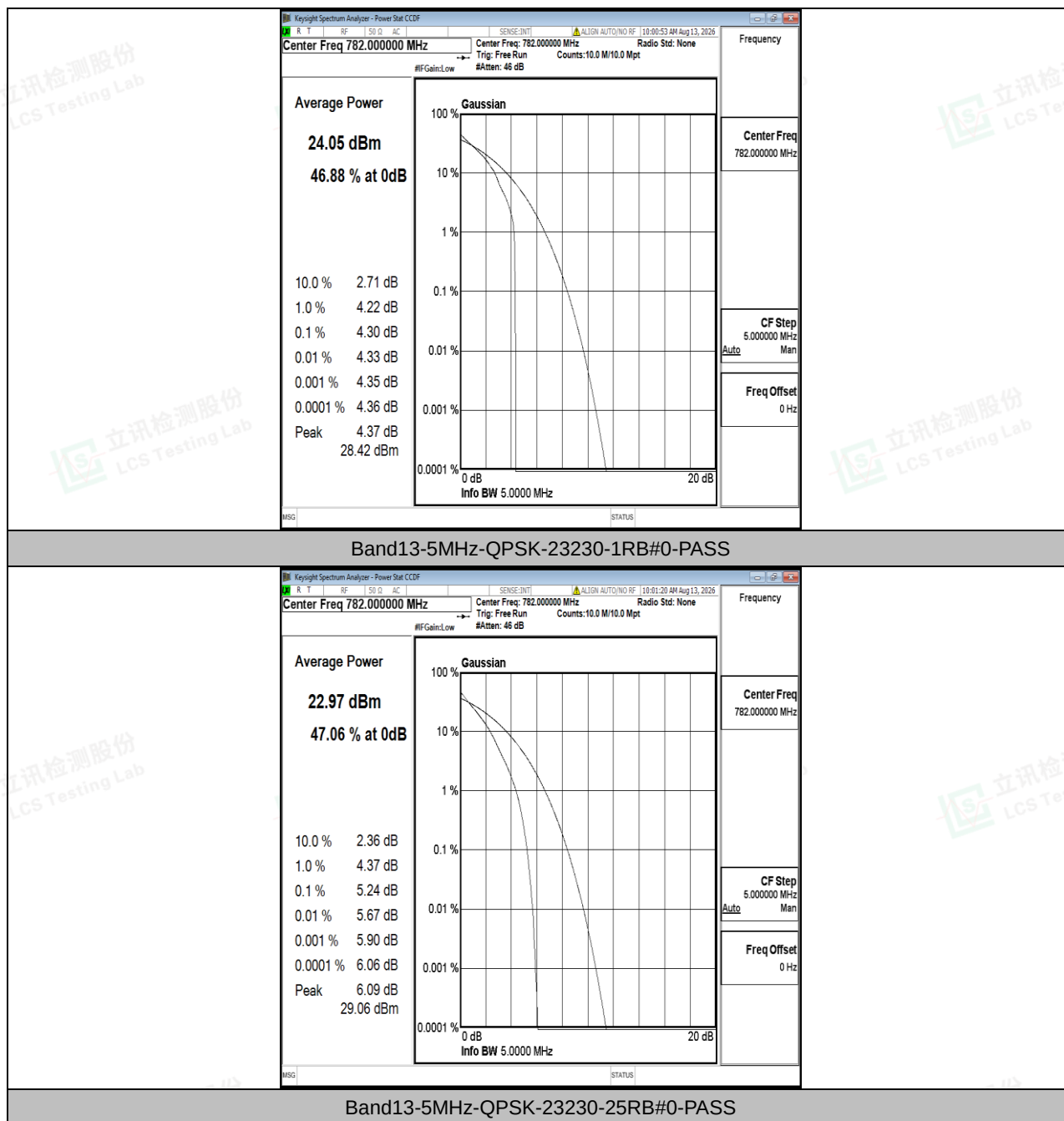
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	4.43	13	PASS
Band13	5MHz	QPSK	23205	25RB#0	5.14	13	PASS
Band13	5MHz	16QAM	23205	1RB#0	5.54	13	PASS
Band13	5MHz	16QAM	23205	25RB#0	5.93	13	PASS
Band13	5MHz	QPSK	23230	1RB#0	4.30	13	PASS
Band13	5MHz	QPSK	23230	25RB#0	5.24	13	PASS
Band13	5MHz	16QAM	23230	1RB#0	5.01	13	PASS
Band13	5MHz	16QAM	23230	25RB#0	6.00	13	PASS
Band13	5MHz	QPSK	23255	1RB#0	4.62	13	PASS
Band13	5MHz	QPSK	23255	25RB#0	5.37	13	PASS
Band13	5MHz	16QAM	23255	1RB#0	5.35	13	PASS
Band13	5MHz	16QAM	23255	25RB#0	6.11	13	PASS
Band13	10MHz	QPSK	23230	1RB#0	4.47	13	PASS
Band13	10MHz	QPSK	23230	50RB#0	5.30	13	PASS
Band13	10MHz	16QAM	23230	1RB#0	5.45	13	PASS
Band13	10MHz	16QAM	23230	50RB#0	6.09	13	PASS

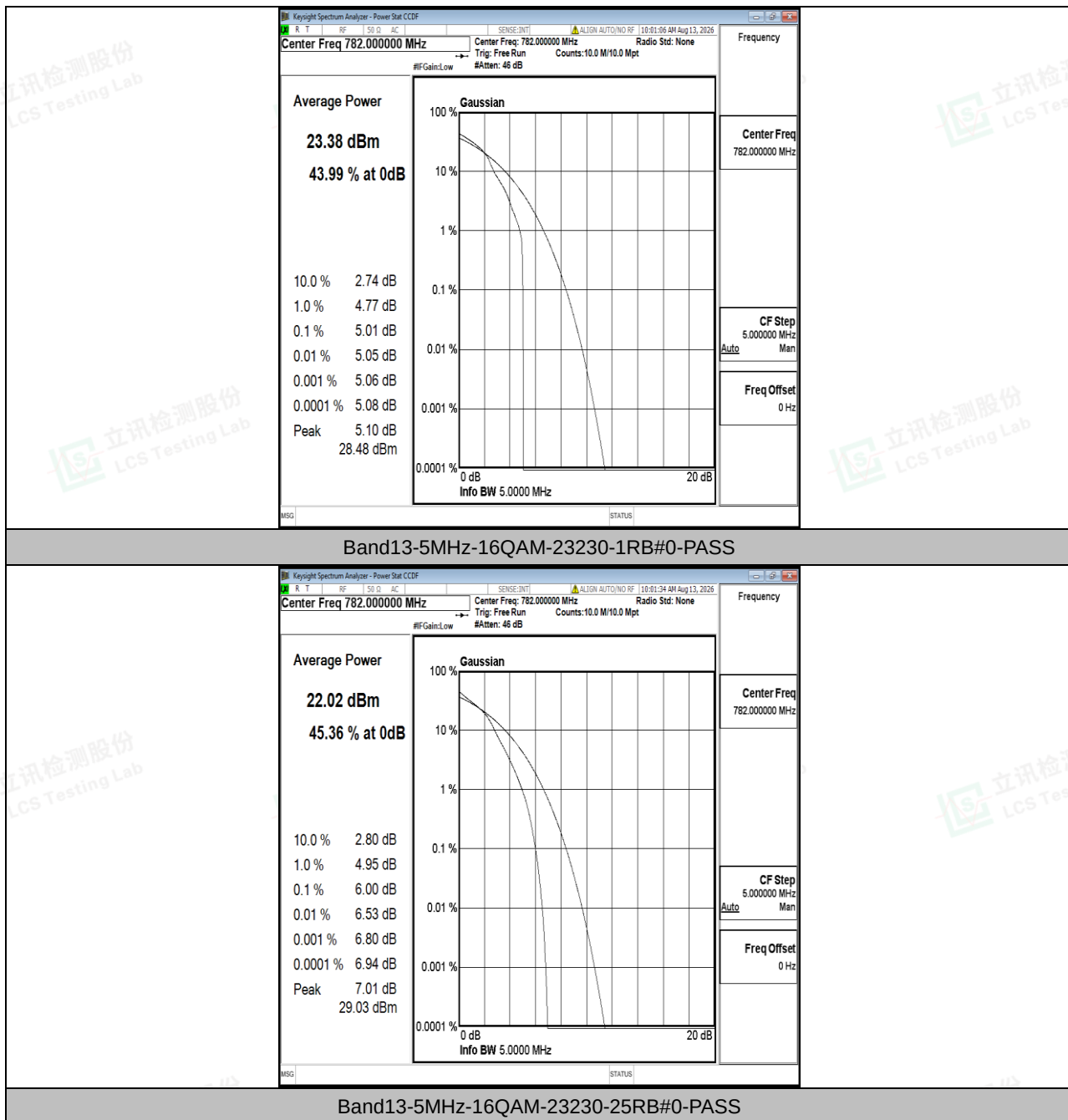


Test Graphs



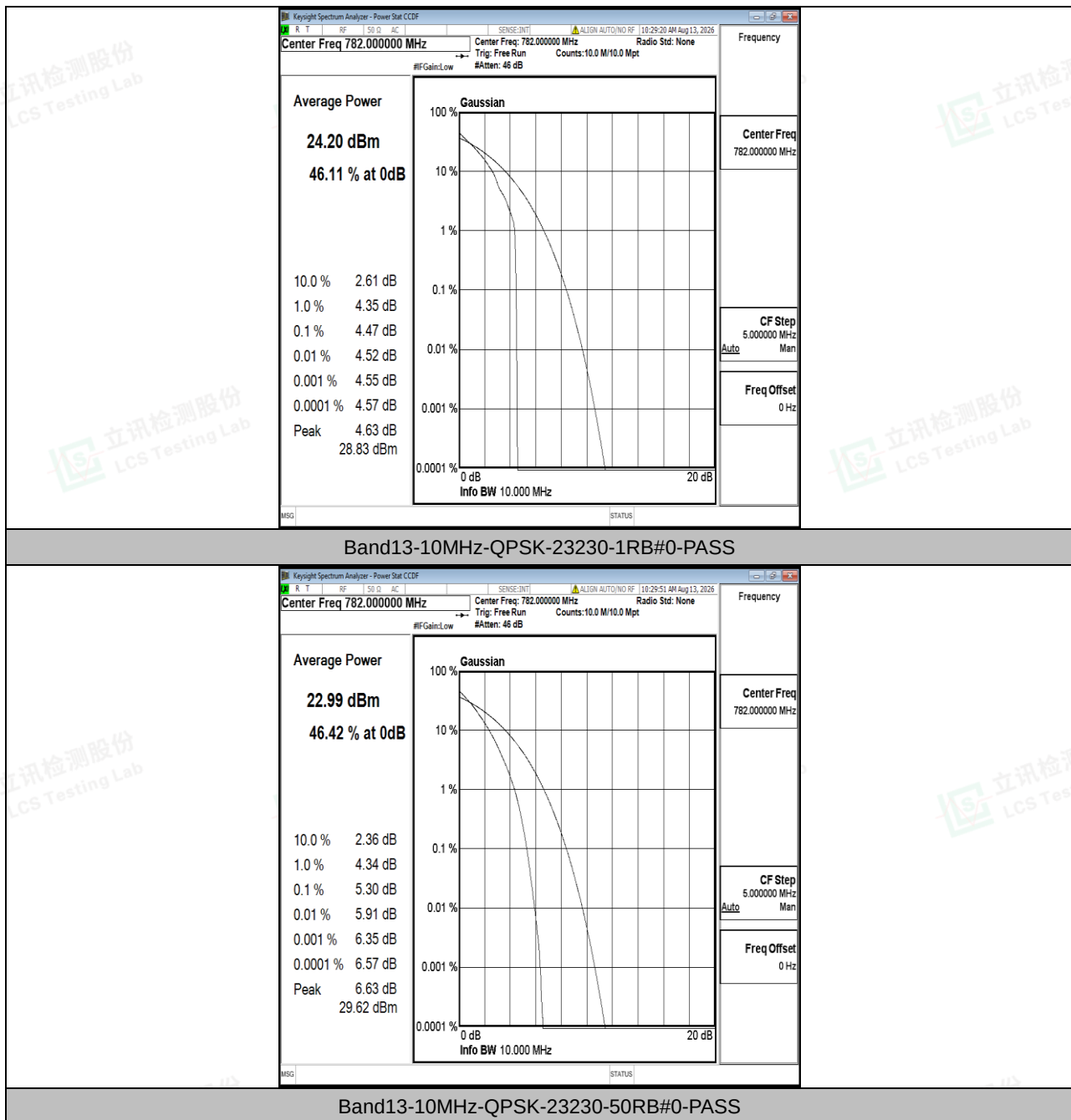


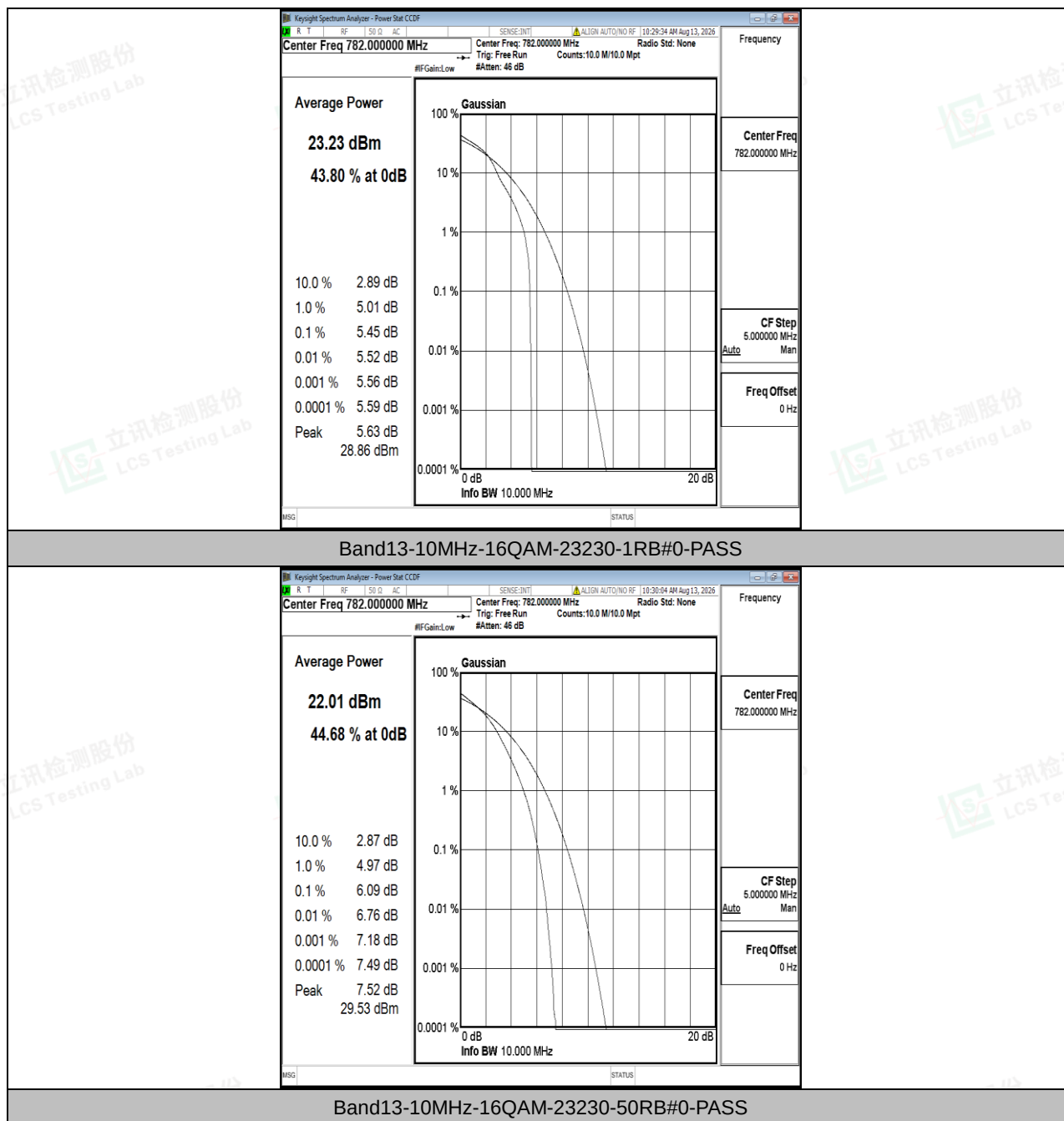














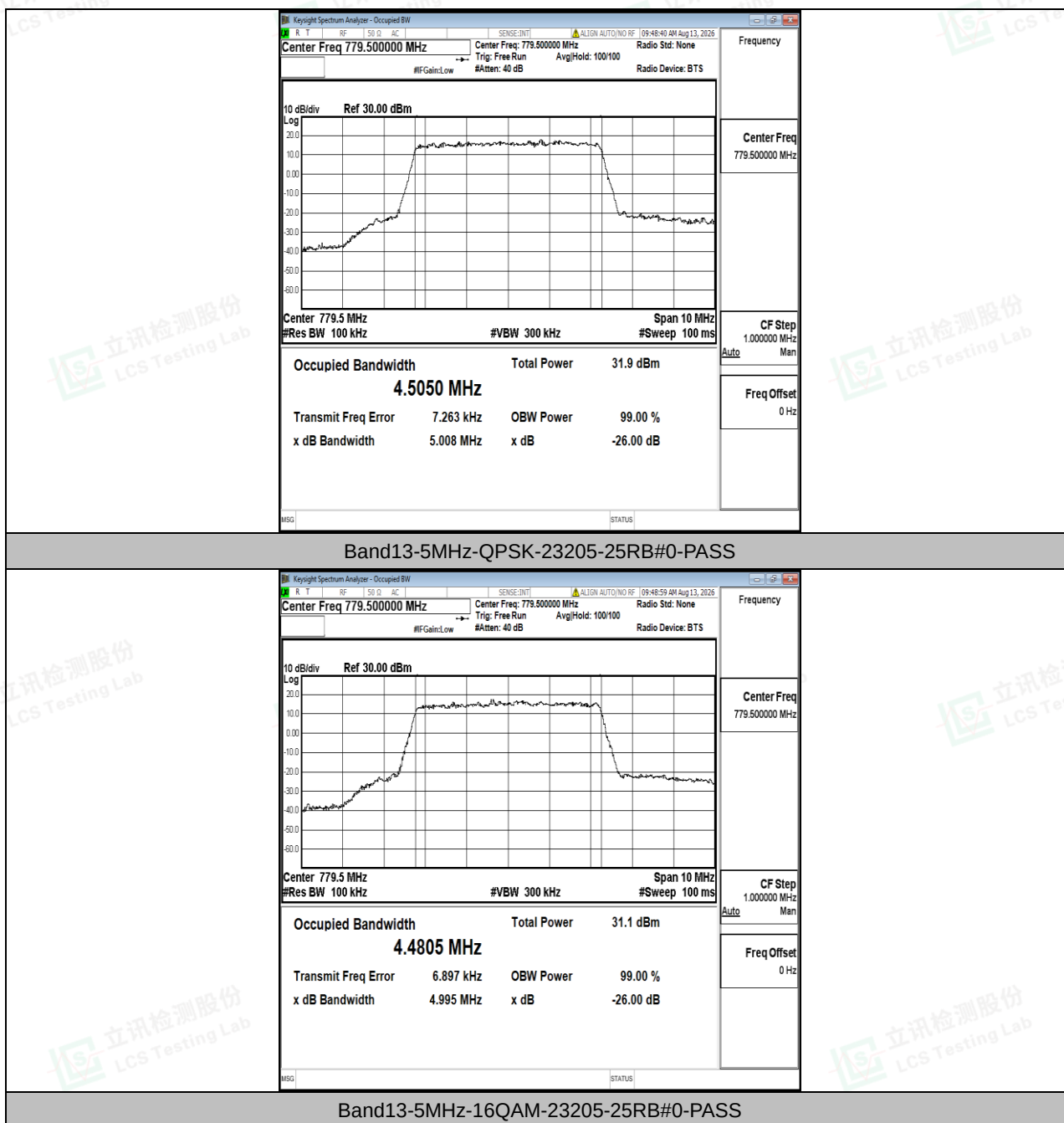
L.3 26dB Bandwidth and Occupied Bandwidth

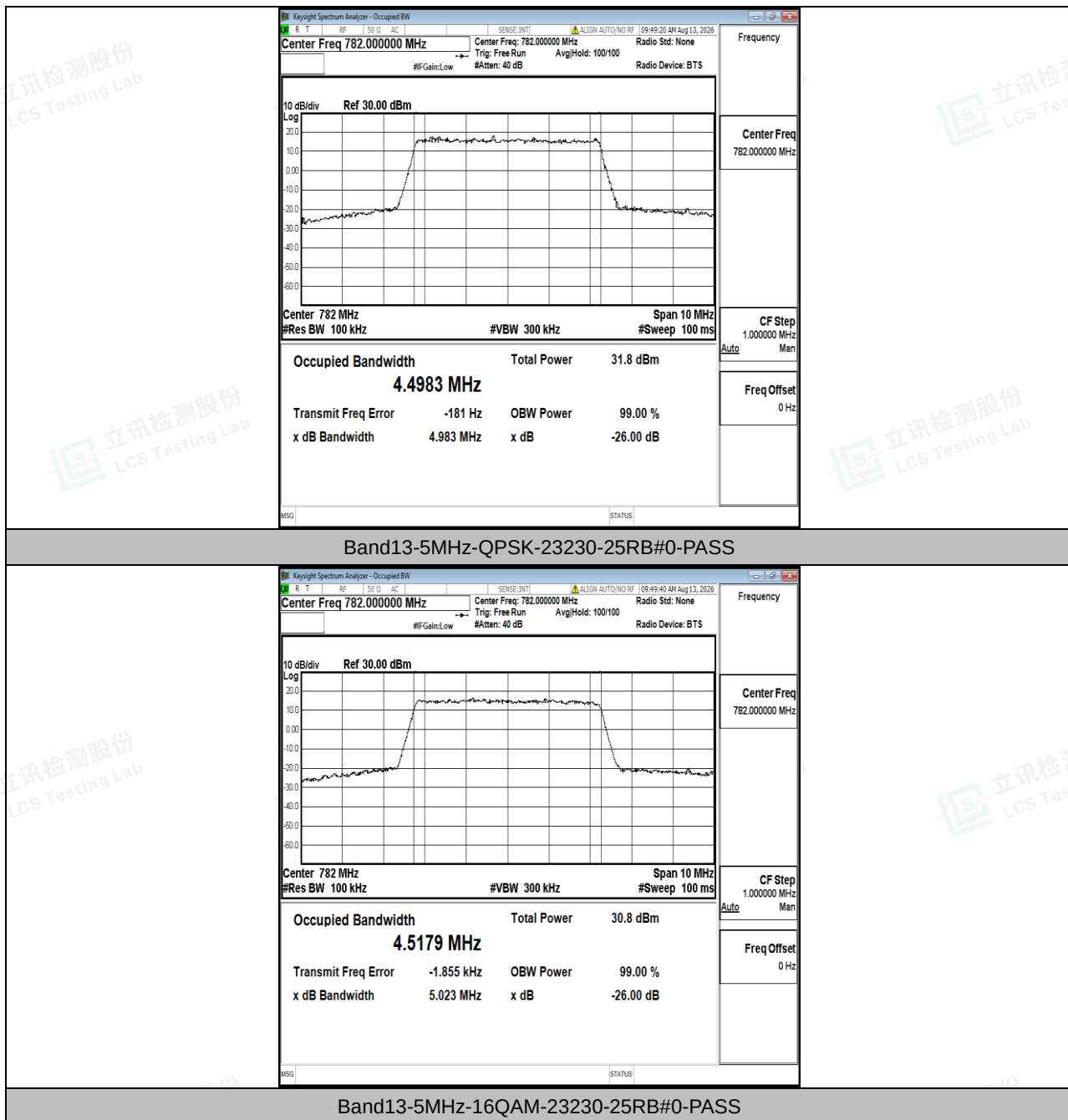
Test Result

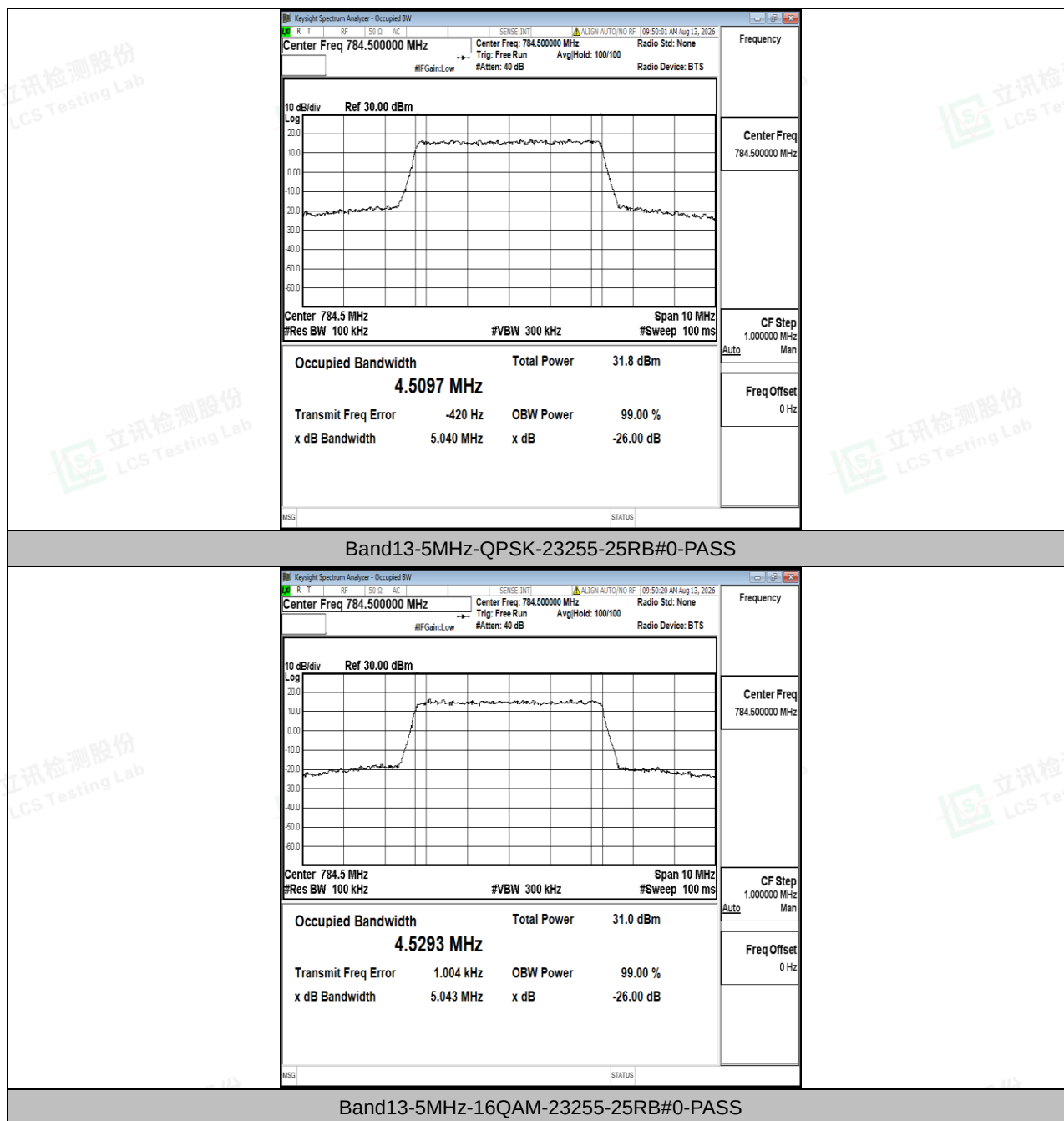
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band13	5MHz	QPSK	23205	25RB#0	4.5050	5.008	PASS
Band13	5MHz	16QAM	23205	25RB#0	4.4805	4.995	PASS
Band13	5MHz	QPSK	23230	25RB#0	4.4983	4.983	PASS
Band13	5MHz	16QAM	23230	25RB#0	4.5179	5.023	PASS
Band13	5MHz	QPSK	23255	25RB#0	4.5097	5.040	PASS
Band13	5MHz	16QAM	23255	25RB#0	4.5293	5.043	PASS
Band13	10MHz	QPSK	23230	50RB#0	8.9714	9.877	PASS
Band13	10MHz	16QAM	23230	50RB#0	8.9516	9.846	PASS

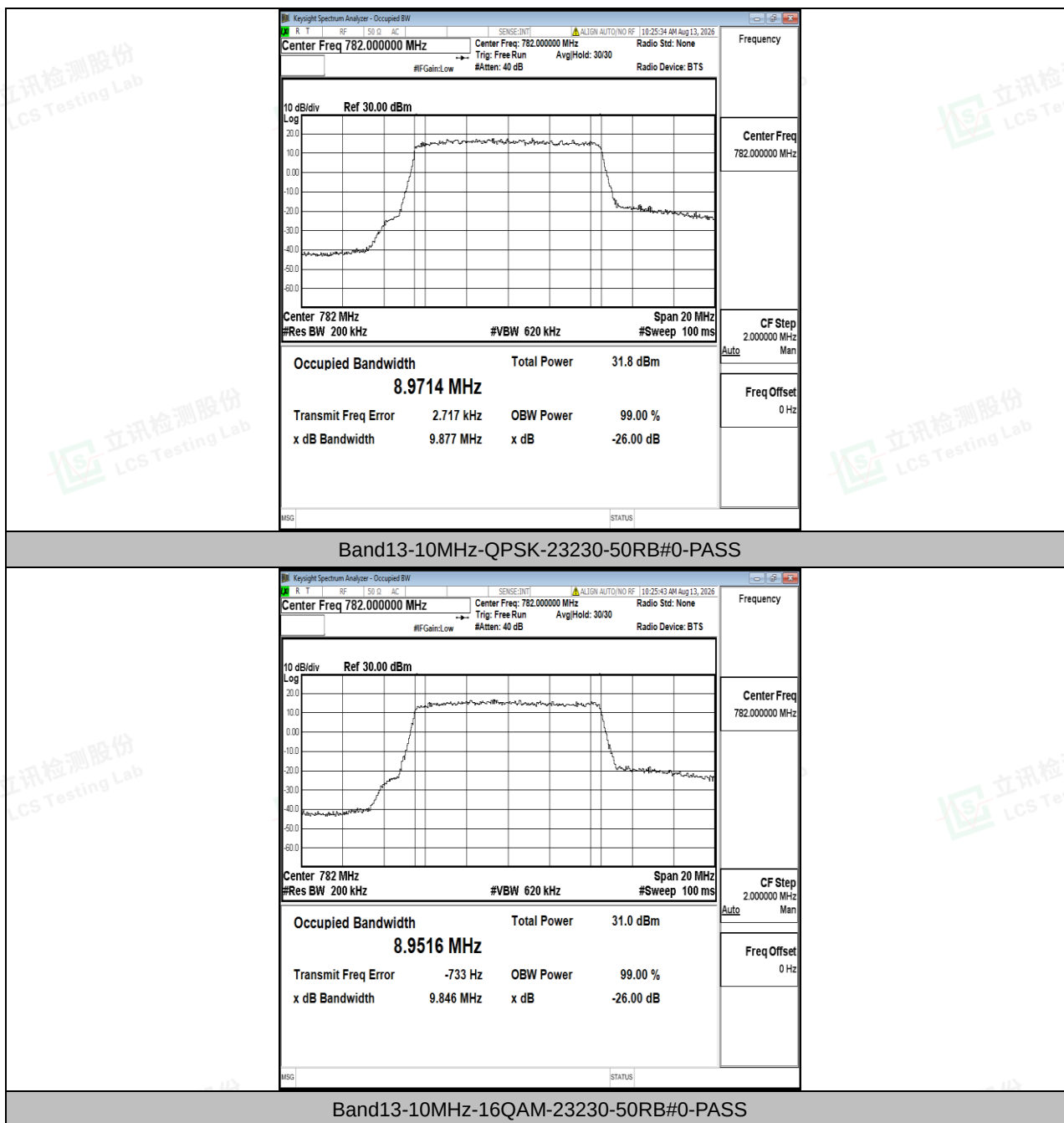


Test Graphs









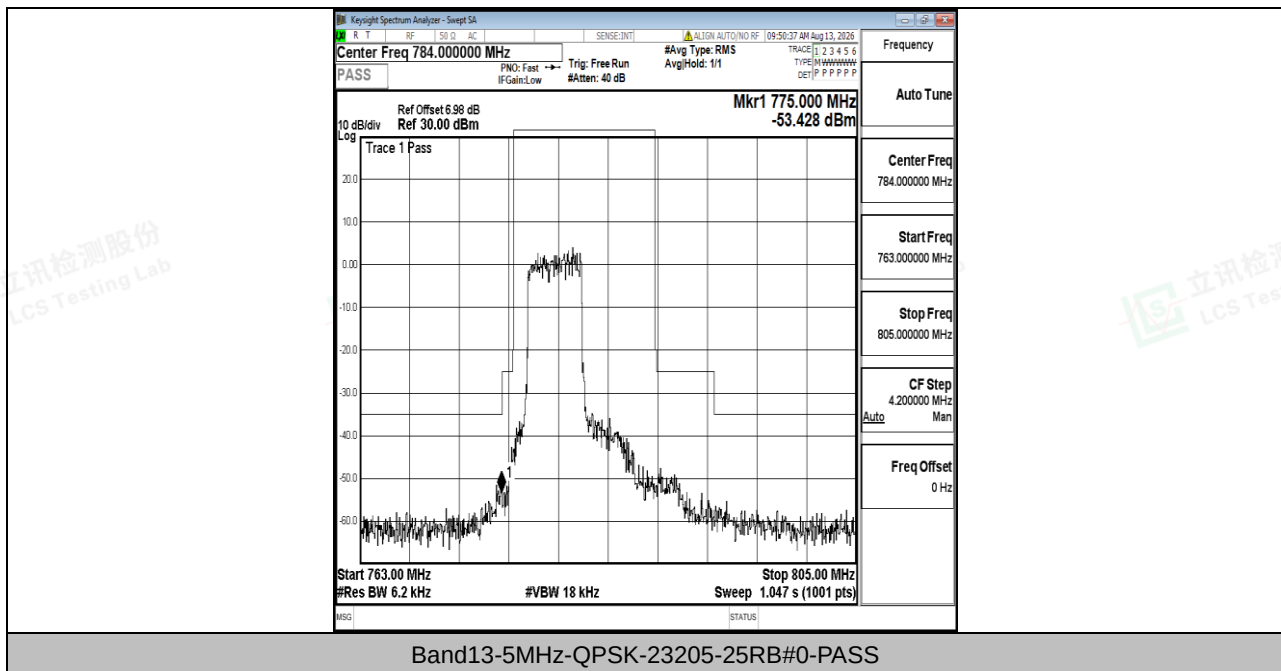


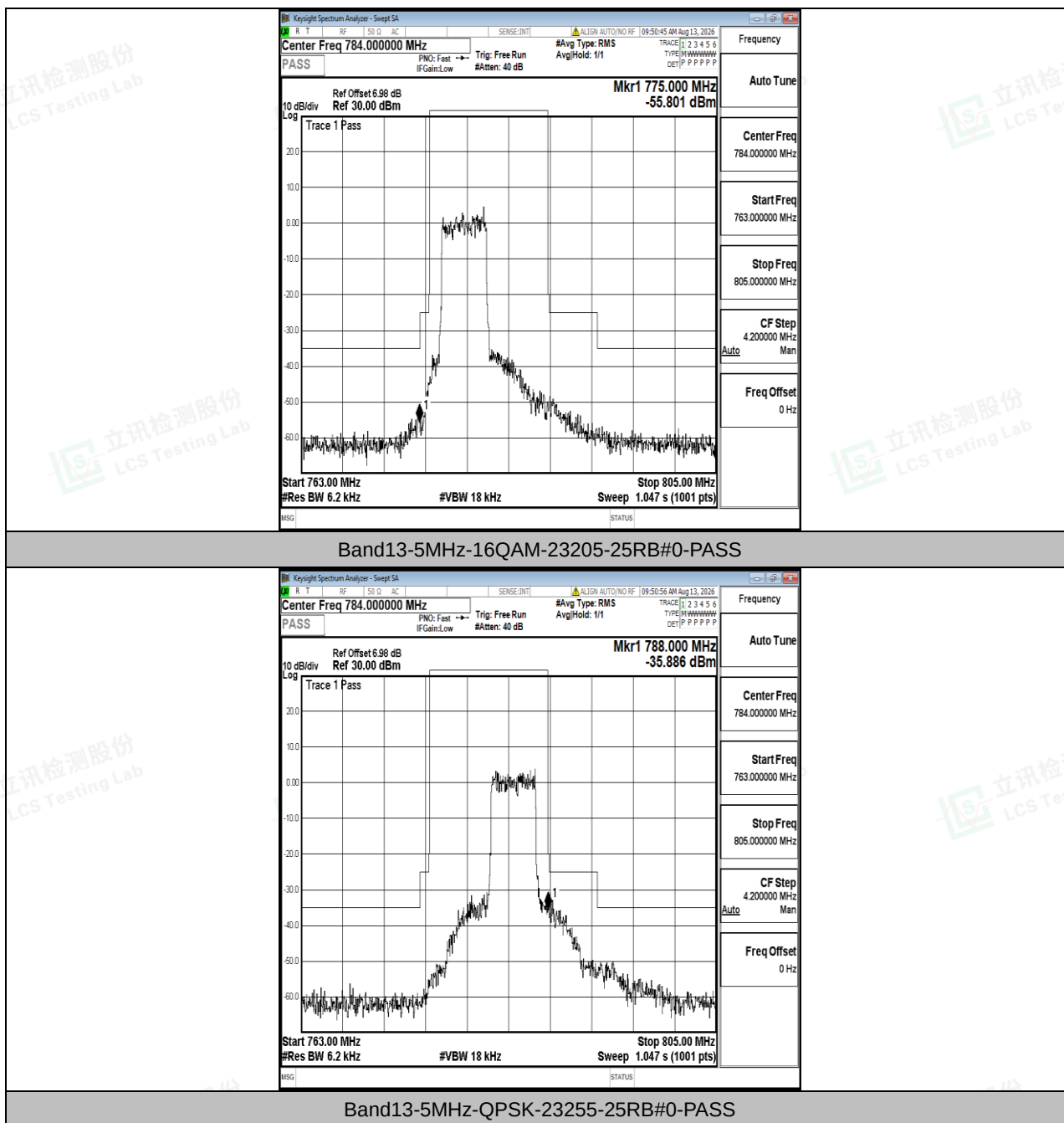
L.4 Band Edge

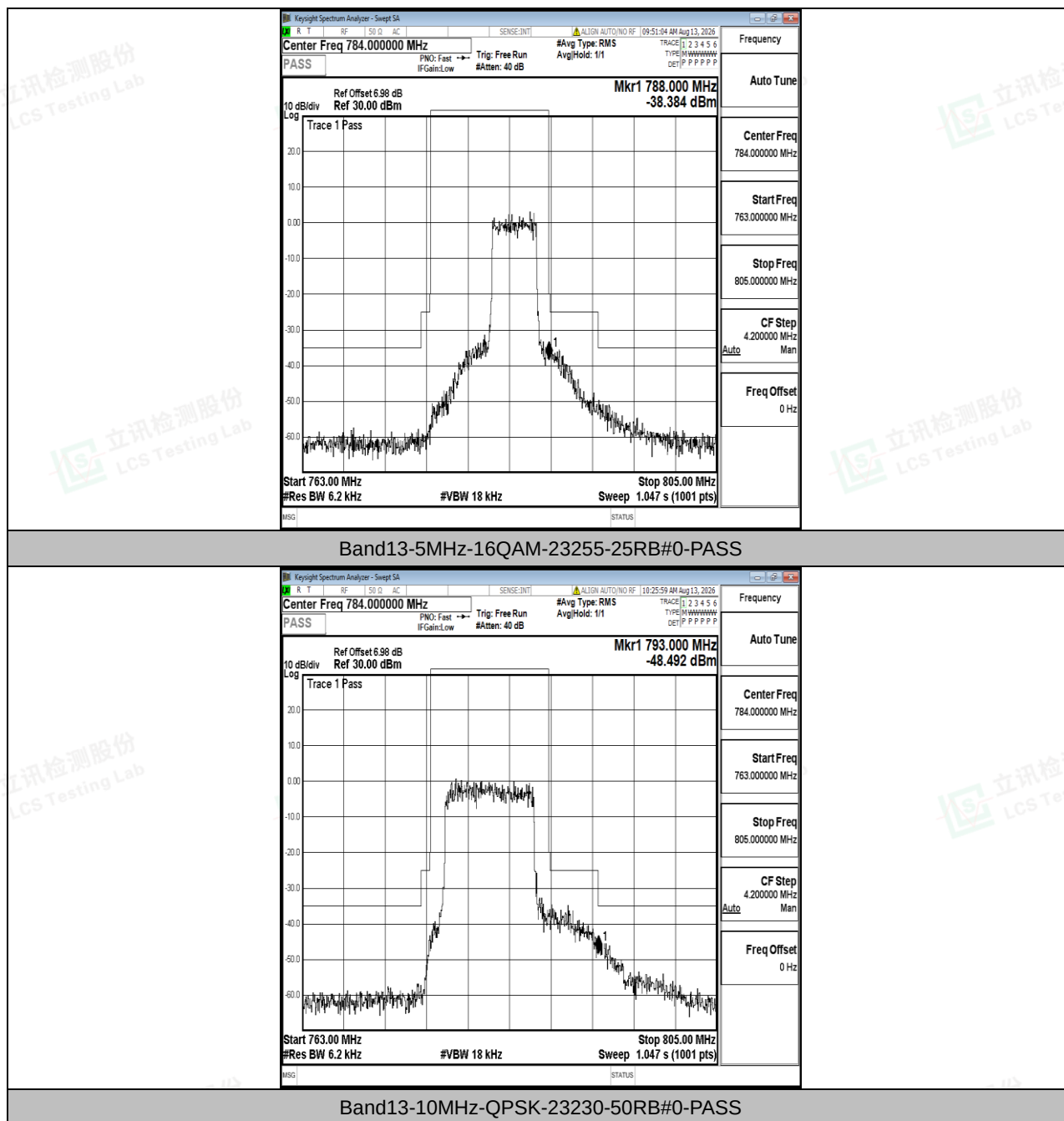
Test Result

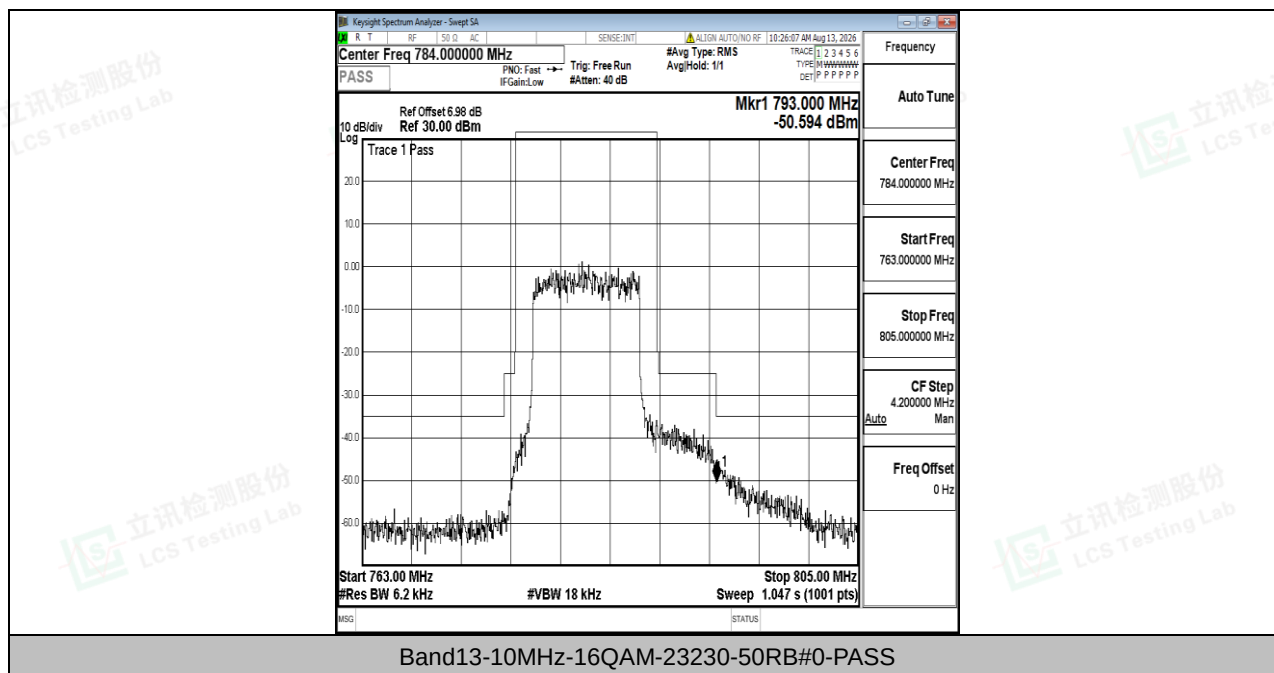
Band	Bandwidth	Modulation	Channel	RB Configuration	Peak Frequency	Result(dBm)	Verdict
Band13	5MHz	QPSK	23205	25RB#0	775.00	-52.00	PASS
Band13	5MHz	16QAM	23205	25RB#0	775.00	-53.00	PASS
Band13	5MHz	QPSK	23255	25RB#0	788.00	-33.00	PASS
Band13	5MHz	16QAM	23255	25RB#0	788.00	-35.00	PASS
Band13	10MHz	QPSK	23230	50RB#0	793.00	-43.00	PASS
Band13	10MHz	16QAM	23230	50RB#0	793.00	-45.00	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	-53.57	PASS
Band13	5MHz	QPSK	23205	1RB#0	0.15~30	-28.54	PASS
Band13	5MHz	QPSK	23205	1RB#0	30~1000	-52.15	PASS
Band13	5MHz	QPSK	23205	1RB#0	1000~3000	-33.94	PASS
Band13	5MHz	QPSK	23205	1RB#0	3000~10000	-35.03	PASS
Band13	5MHz	16QAM	23205	1RB#0	0.009~0.15	-53.76	PASS
Band13	5MHz	16QAM	23205	1RB#0	0.15~30	-31.49	PASS
Band13	5MHz	16QAM	23205	1RB#0	30~1000	-50.74	PASS
Band13	5MHz	16QAM	23205	1RB#0	1000~3000	-35.08	PASS
Band13	5MHz	16QAM	23205	1RB#0	3000~10000	-34.58	PASS
Band13	5MHz	QPSK	23230	1RB#0	0.009~0.15	-53.93	PASS
Band13	5MHz	QPSK	23230	1RB#0	0.15~30	-28.48	PASS
Band13	5MHz	QPSK	23230	1RB#0	30~1000	-52.25	PASS
Band13	5MHz	QPSK	23230	1RB#0	1000~3000	-34.02	PASS
Band13	5MHz	QPSK	23230	1RB#0	3000~10000	-34.01	PASS
Band13	5MHz	16QAM	23230	1RB#0	0.009~0.15	-51.86	PASS
Band13	5MHz	16QAM	23230	1RB#0	0.15~30	-28.93	PASS
Band13	5MHz	16QAM	23230	1RB#0	30~1000	-51.47	PASS
Band13	5MHz	16QAM	23230	1RB#0	1000~3000	-33.68	PASS
Band13	5MHz	16QAM	23230	1RB#0	3000~10000	-34.35	PASS
Band13	5MHz	QPSK	23255	1RB#0	0.009~0.15	-54.18	PASS
Band13	5MHz	QPSK	23255	1RB#0	0.15~30	-34.12	PASS
Band13	5MHz	QPSK	23255	1RB#0	30~1000	-51.87	PASS
Band13	5MHz	QPSK	23255	1RB#0	1000~3000	-33.86	PASS
Band13	5MHz	QPSK	23255	1RB#0	3000~10000	-34.82	PASS
Band13	5MHz	16QAM	23255	1RB#0	0.009~0.15	-54.70	PASS
Band13	5MHz	16QAM	23255	1RB#0	0.15~30	-29.07	PASS
Band13	5MHz	16QAM	23255	1RB#0	30~1000	-52.85	PASS
Band13	5MHz	16QAM	23255	1RB#0	1000~3000	-36.91	PASS
Band13	5MHz	16QAM	23255	1RB#0	3000~10000	-34.12	PASS
Band13	10MHz	QPSK	23230	1RB#0	0.009~0.15	-52.63	PASS
Band13	10MHz	QPSK	23230	1RB#0	0.15~30	-33.10	PASS
Band13	10MHz	QPSK	23230	1RB#0	30~1000	-52.83	PASS
Band13	10MHz	QPSK	23230	1RB#0	1000~3000	-34.20	PASS
Band13	10MHz	QPSK	23230	1RB#0	3000~10000	-34.58	PASS
Band13	10MHz	16QAM	23230	1RB#0	0.009~0.15	-53.13	PASS



Band13	10MHz	16QAM	23230	1RB#0	0.15~30	-28.95	PASS
Band13	10MHz	16QAM	23230	1RB#0	30~1000	-52.52	PASS
Band13	10MHz	16QAM	23230	1RB#0	1000~3000	-34.31	PASS
Band13	10MHz	16QAM	23230	1RB#0	3000~10000	-34.35	PASS

Test Graphs

