



Appendix H: Test Data for E-UTRA Band 38

Product Name: Smart POS

Test Model: WIZARPOS Q3B

Environmental Conditions

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





H.1 Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band38	5MHz	QPSK	37775	1RB#0	22.01	PASS
Band38	5MHz	16QAM	37775	1RB#0	21.54	PASS
Band38	5MHz	QPSK	37775	1RB#12	22.00	PASS
Band38	5MHz	16QAM	37775	1RB#12	21.41	PASS
Band38	5MHz	QPSK	37775	1RB#24	21.98	PASS
Band38	5MHz	16QAM	37775	1RB#24	21.42	PASS
Band38	5MHz	QPSK	37775	12RB#0	20.88	PASS
Band38	5MHz	16QAM	37775	12RB#0	20.20	PASS
Band38	5MHz	QPSK	37775	12RB#6	20.86	PASS
Band38	5MHz	16QAM	37775	12RB#6	20.30	PASS
Band38	5MHz	QPSK	37775	12RB#13	20.82	PASS
Band38	5MHz	16QAM	37775	12RB#13	20.24	PASS
Band38	5MHz	QPSK	37775	25RB#0	20.83	PASS
Band38	5MHz	16QAM	37775	25RB#0	20.29	PASS
Band38	5MHz	QPSK	38000	1RB#0	21.41	PASS
Band38	5MHz	16QAM	38000	1RB#0	21.41	PASS
Band38	5MHz	QPSK	38000	1RB#12	21.39	PASS
Band38	5MHz	16QAM	38000	1RB#12	21.36	PASS
Band38	5MHz	QPSK	38000	1RB#24	21.33	PASS
Band38	5MHz	16QAM	38000	1RB#24	21.22	PASS
Band38	5MHz	QPSK	38000	12RB#0	20.61	PASS
Band38	5MHz	16QAM	38000	12RB#0	19.80	PASS
Band38	5MHz	QPSK	38000	12RB#6	20.56	PASS
Band38	5MHz	16QAM	38000	12RB#6	19.91	PASS
Band38	5MHz	QPSK	38000	12RB#13	20.47	PASS
Band38	5MHz	16QAM	38000	12RB#13	19.70	PASS
Band38	5MHz	QPSK	38000	25RB#0	20.55	PASS
Band38	5MHz	16QAM	38000	25RB#0	19.92	PASS
Band38	5MHz	QPSK	38225	1RB#0	21.56	PASS
Band38	5MHz	16QAM	38225	1RB#0	20.84	PASS
Band38	5MHz	QPSK	38225	1RB#12	21.48	PASS
Band38	5MHz	16QAM	38225	1RB#12	20.82	PASS
Band38	5MHz	QPSK	38225	1RB#24	21.50	PASS
Band38	5MHz	16QAM	38225	1RB#24	20.76	PASS
Band38	5MHz	QPSK	38225	12RB#0	20.47	PASS
Band38	5MHz	16QAM	38225	12RB#0	19.73	PASS





Band38	5MHz	QPSK	38225	12RB#6	20.46	PASS
Band38	5MHz	16QAM	38225	12RB#6	19.72	PASS
Band38	5MHz	QPSK	38225	12RB#13	20.43	PASS
Band38	5MHz	16QAM	38225	12RB#13	19.68	PASS
Band38	5MHz	QPSK	38225	25RB#0	20.46	PASS
Band38	5MHz	16QAM	38225	25RB#0	19.74	PASS
Band38	10MHz	QPSK	37800	1RB#0	22.20	PASS
Band38	10MHz	16QAM	37800	1RB#0	22.36	PASS
Band38	10MHz	QPSK	37800	1RB#24	22.19	PASS
Band38	10MHz	16QAM	37800	1RB#24	22.43	PASS
Band38	10MHz	QPSK	37800	1RB#49	22.19	PASS
Band38	10MHz	16QAM	37800	1RB#49	21.63	PASS
Band38	10MHz	QPSK	37800	25RB#0	21.05	PASS
Band38	10MHz	16QAM	37800	25RB#0	20.40	PASS
Band38	10MHz	QPSK	37800	25RB#12	21.06	PASS
Band38	10MHz	16QAM	37800	25RB#12	20.40	PASS
Band38	10MHz	QPSK	37800	25RB#25	20.90	PASS
Band38	10MHz	16QAM	37800	25RB#25	20.35	PASS
Band38	10MHz	QPSK	37800	50RB#0	20.96	PASS
Band38	10MHz	16QAM	37800	50RB#0	20.42	PASS
Band38	10MHz	QPSK	38000	1RB#0	21.74	PASS
Band38	10MHz	16QAM	38000	1RB#0	21.28	PASS
Band38	10MHz	QPSK	38000	1RB#24	21.66	PASS
Band38	10MHz	16QAM	38000	1RB#24	21.21	PASS
Band38	10MHz	QPSK	38000	1RB#49	21.60	PASS
Band38	10MHz	16QAM	38000	1RB#49	20.97	PASS
Band38	10MHz	QPSK	38000	25RB#0	20.97	PASS
Band38	10MHz	16QAM	38000	25RB#0	20.50	PASS
Band38	10MHz	QPSK	38000	25RB#12	20.98	PASS
Band38	10MHz	16QAM	38000	25RB#12	20.49	PASS
Band38	10MHz	QPSK	38000	25RB#25	20.92	PASS
Band38	10MHz	16QAM	38000	25RB#25	20.43	PASS
Band38	10MHz	QPSK	38000	50RB#0	20.88	PASS
Band38	10MHz	16QAM	38000	50RB#0	20.24	PASS
Band38	10MHz	QPSK	38200	1RB#0	21.71	PASS
Band38	10MHz	16QAM	38200	1RB#0	21.30	PASS
Band38	10MHz	QPSK	38200	1RB#24	21.75	PASS
Band38	10MHz	16QAM	38200	1RB#24	21.25	PASS
Band38	10MHz	QPSK	38200	1RB#49	21.80	PASS
Band38	10MHz	16QAM	38200	1RB#49	21.29	PASS





Band38	10MHz	QPSK	38200	25RB#0	20.60	PASS
Band38	10MHz	16QAM	38200	25RB#0	19.97	PASS
Band38	10MHz	QPSK	38200	25RB#12	20.60	PASS
Band38	10MHz	16QAM	38200	25RB#12	19.93	PASS
Band38	10MHz	QPSK	38200	25RB#25	20.70	PASS
Band38	10MHz	16QAM	38200	25RB#25	19.95	PASS
Band38	10MHz	QPSK	38200	50RB#0	20.67	PASS
Band38	10MHz	16QAM	38200	50RB#0	19.96	PASS
Band38	15MHz	QPSK	37825	1RB#0	22.24	PASS
Band38	15MHz	16QAM	37825	1RB#0	22.52	PASS
Band38	15MHz	QPSK	37825	1RB#38	22.16	PASS
Band38	15MHz	16QAM	37825	1RB#38	22.45	PASS
Band38	15MHz	QPSK	37825	1RB#74	22.24	PASS
Band38	15MHz	16QAM	37825	1RB#74	22.28	PASS
Band38	15MHz	QPSK	37825	38RB#0	21.28	PASS
Band38	15MHz	16QAM	37825	38RB#0	21.13	PASS
Band38	15MHz	QPSK	37825	38RB#18	21.13	PASS
Band38	15MHz	16QAM	37825	38RB#18	21.13	PASS
Band38	15MHz	QPSK	37825	38RB#37	21.13	PASS
Band38	15MHz	16QAM	37825	38RB#37	21.13	PASS
Band38	15MHz	QPSK	37825	75RB#0	21.13	PASS
Band38	15MHz	16QAM	37825	75RB#0	20.61	PASS
Band38	15MHz	QPSK	38000	1RB#0	22.13	PASS
Band38	15MHz	16QAM	38000	1RB#0	20.69	PASS
Band38	15MHz	QPSK	38000	1RB#38	22.12	PASS
Band38	15MHz	16QAM	38000	1RB#38	20.48	PASS
Band38	15MHz	QPSK	38000	1RB#74	22.08	PASS
Band38	15MHz	16QAM	38000	1RB#74	20.47	PASS
Band38	15MHz	QPSK	38000	38RB#0	20.87	PASS
Band38	15MHz	16QAM	38000	38RB#0	20.87	PASS
Band38	15MHz	QPSK	38000	38RB#18	20.92	PASS
Band38	15MHz	16QAM	38000	38RB#18	20.92	PASS
Band38	15MHz	QPSK	38000	38RB#37	21.02	PASS
Band38	15MHz	16QAM	38000	38RB#37	20.87	PASS
Band38	15MHz	QPSK	38000	75RB#0	20.87	PASS
Band38	15MHz	16QAM	38000	75RB#0	20.37	PASS
Band38	15MHz	QPSK	38175	1RB#0	21.86	PASS
Band38	15MHz	16QAM	38175	1RB#0	21.40	PASS
Band38	15MHz	QPSK	38175	1RB#38	21.78	PASS
Band38	15MHz	16QAM	38175	1RB#38	21.34	PASS





Band38	15MHz	QPSK	38175	1RB#74	21.80	PASS
Band38	15MHz	16QAM	38175	1RB#74	21.27	PASS
Band38	15MHz	QPSK	38175	38RB#0	20.72	PASS
Band38	15MHz	16QAM	38175	38RB#0	20.71	PASS
Band38	15MHz	QPSK	38175	38RB#18	20.71	PASS
Band38	15MHz	16QAM	38175	38RB#18	20.71	PASS
Band38	15MHz	QPSK	38175	38RB#37	20.71	PASS
Band38	15MHz	16QAM	38175	38RB#37	20.71	PASS
Band38	15MHz	QPSK	38175	75RB#0	20.71	PASS
Band38	15MHz	16QAM	38175	75RB#0	20.14	PASS
Band38	20MHz	QPSK	37850	1RB#0	21.85	PASS
Band38	20MHz	16QAM	37850	1RB#0	21.68	PASS
Band38	20MHz	QPSK	37850	1RB#49	21.81	PASS
Band38	20MHz	16QAM	37850	1RB#49	21.63	PASS
Band38	20MHz	QPSK	37850	1RB#99	21.82	PASS
Band38	20MHz	16QAM	37850	1RB#99	21.46	PASS
Band38	20MHz	QPSK	37850	50RB#0	21.20	PASS
Band38	20MHz	16QAM	37850	50RB#0	20.77	PASS
Band38	20MHz	QPSK	37850	50RB#25	21.21	PASS
Band38	20MHz	16QAM	37850	50RB#25	20.77	PASS
Band38	20MHz	QPSK	37850	50RB#50	21.09	PASS
Band38	20MHz	16QAM	37850	50RB#50	20.61	PASS
Band38	20MHz	QPSK	37850	100RB#0	21.18	PASS
Band38	20MHz	16QAM	37850	100RB#0	20.52	PASS
Band38	20MHz	QPSK	38000	1RB#0	22.09	PASS
Band38	20MHz	16QAM	38000	1RB#0	21.64	PASS
Band38	20MHz	QPSK	38000	1RB#49	21.97	PASS
Band38	20MHz	16QAM	38000	1RB#49	21.36	PASS
Band38	20MHz	QPSK	38000	1RB#99	21.87	PASS
Band38	20MHz	16QAM	38000	1RB#99	21.19	PASS
Band38	20MHz	QPSK	38000	50RB#0	20.99	PASS
Band38	20MHz	16QAM	38000	50RB#0	20.49	PASS
Band38	20MHz	QPSK	38000	50RB#25	21.00	PASS
Band38	20MHz	16QAM	38000	50RB#25	20.49	PASS
Band38	20MHz	QPSK	38000	50RB#50	20.85	PASS
Band38	20MHz	16QAM	38000	50RB#50	20.26	PASS
Band38	20MHz	QPSK	38000	100RB#0	20.96	PASS
Band38	20MHz	16QAM	38000	100RB#0	20.34	PASS
Band38	20MHz	QPSK	38150	1RB#0	21.88	PASS
Band38	20MHz	16QAM	38150	1RB#0	21.62	PASS





Band38	20MHz	QPSK	38150	1RB#49	21.72	PASS
Band38	20MHz	16QAM	38150	1RB#49	21.66	PASS
Band38	20MHz	QPSK	38150	1RB#99	21.82	PASS
Band38	20MHz	16QAM	38150	1RB#99	21.43	PASS
Band38	20MHz	QPSK	38150	50RB#0	20.73	PASS
Band38	20MHz	16QAM	38150	50RB#0	20.30	PASS
Band38	20MHz	QPSK	38150	50RB#25	20.69	PASS
Band38	20MHz	16QAM	38150	50RB#25	20.30	PASS
Band38	20MHz	QPSK	38150	50RB#50	20.78	PASS
Band38	20MHz	16QAM	38150	50RB#50	20.24	PASS
Band38	20MHz	QPSK	38150	100RB#0	20.68	PASS
Band38	20MHz	16QAM	38150	100RB#0	20.11	PASS





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

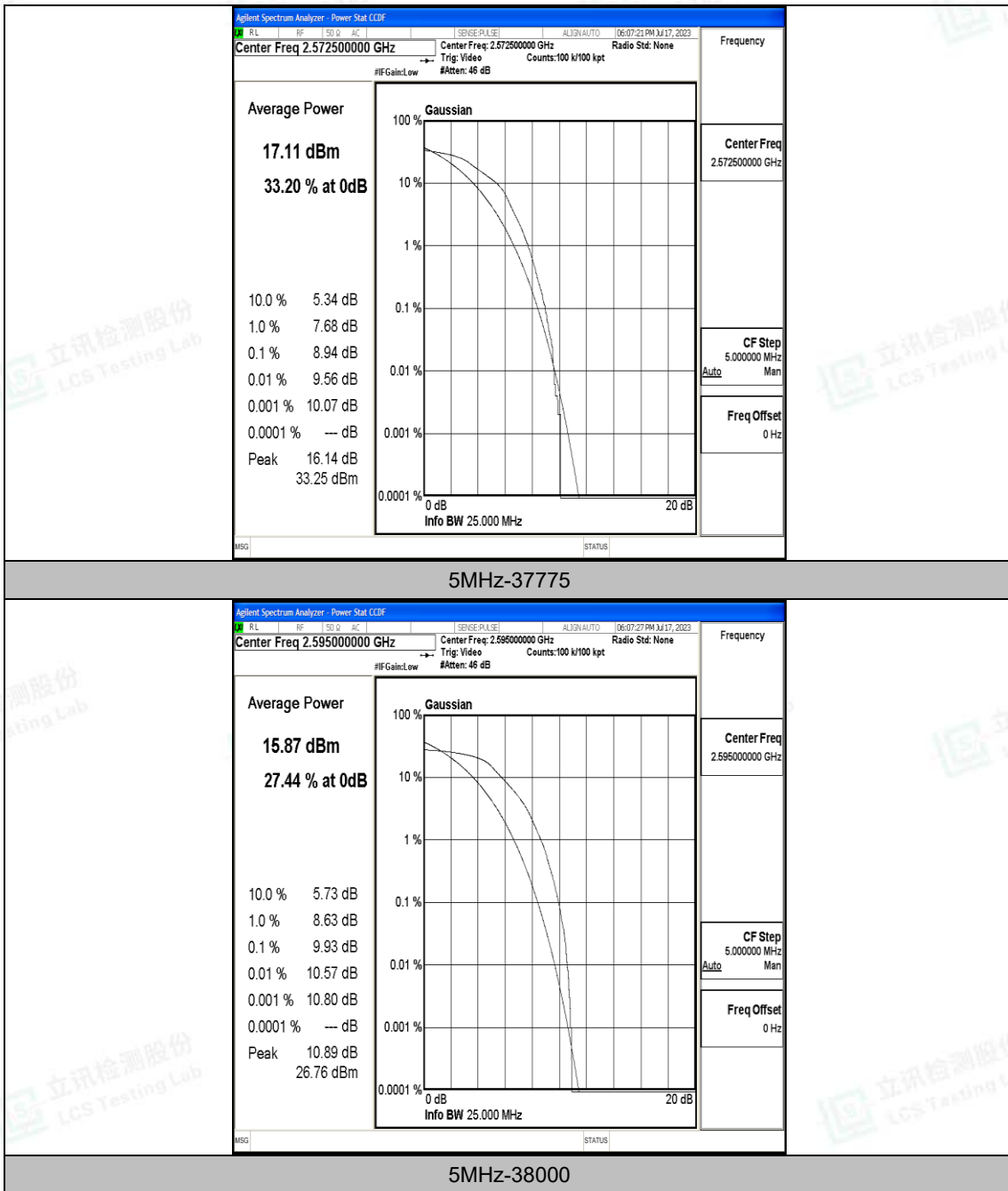
Test Result

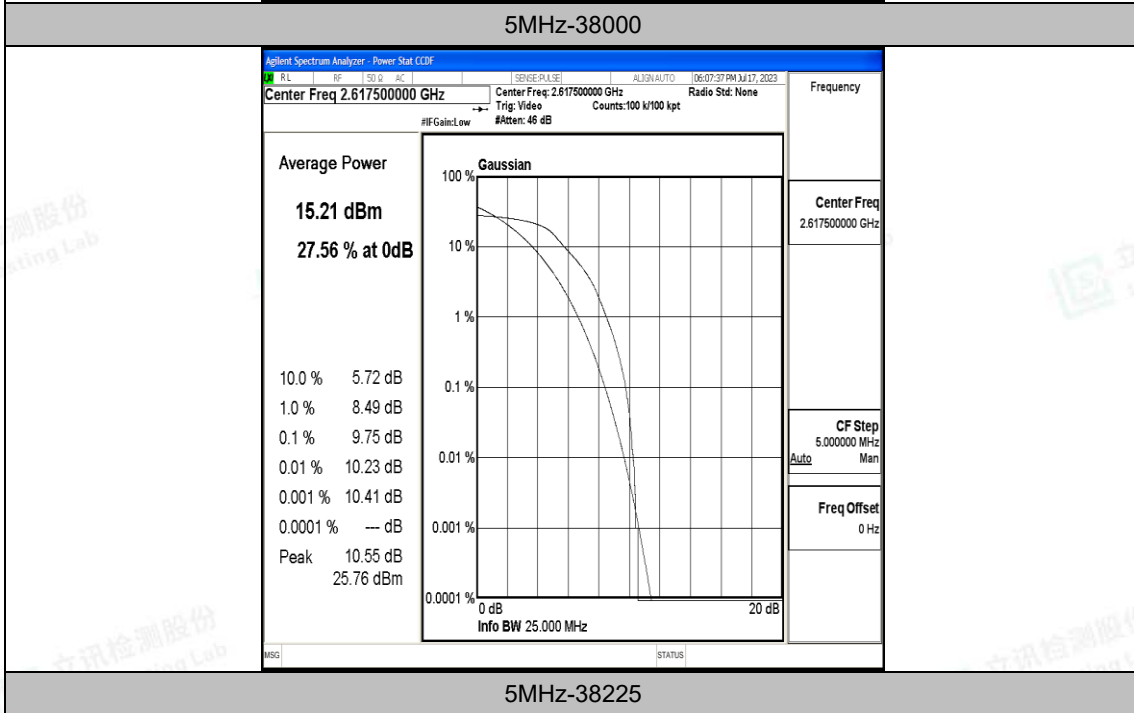
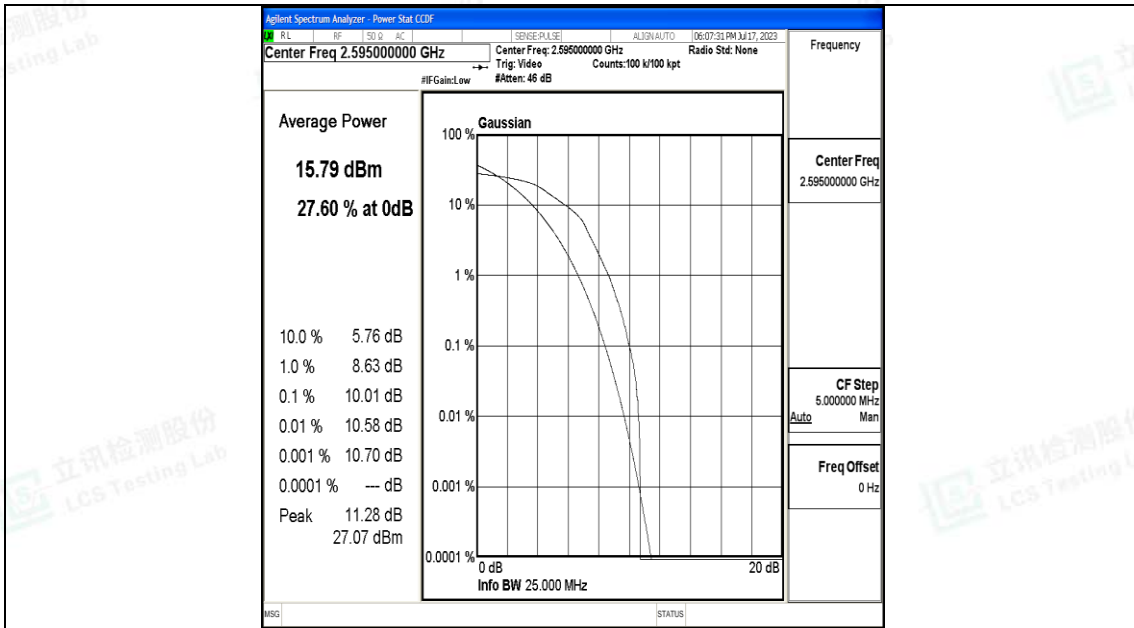
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band38	5MHz	16QAM	37775	25RB#0	8.94	13	PASS
Band38	5MHz	QPSK	38000	25RB#0	9.93	13	PASS
Band38	5MHz	16QAM	38000	25RB#0	10.01	13	PASS
Band38	5MHz	QPSK	38225	25RB#0	9.75	13	PASS
Band38	10MHz	QPSK	37800	50RB#0	7.70	13	PASS
Band38	10MHz	16QAM	37800	50RB#0	11.24	13	PASS
Band38	10MHz	16QAM	38000	50RB#0	10.58	13	PASS
Band38	5MHz	QPSK	37775	25RB#0	6.89	13	PASS
Band38	10MHz	QPSK	38000	50RB#0	11.30	13	PASS
Band38	10MHz	QPSK	38200	50RB#0	9.54	13	PASS
Band38	5MHz	16QAM	38225	25RB#0	7.68	13	PASS
Band38	10MHz	16QAM	38200	50RB#0	11.81	13	PASS
Band38	15MHz	16QAM	37825	75RB#0	11.27	13	PASS
Band38	15MHz	QPSK	38000	75RB#0	10.50	13	PASS
Band38	15MHz	QPSK	38175	75RB#0	9.52	13	PASS
Band38	20MHz	QPSK	37850	100RB#0	9.36	13	PASS
Band38	20MHz	16QAM	37850	100RB#0	8.19	13	PASS
Band38	20MHz	QPSK	38000	100RB#0	11.40	13	PASS
Band38	15MHz	16QAM	38000	75RB#0	10.60	13	PASS
Band38	15MHz	16QAM	38175	75RB#0	8.49	13	PASS
Band38	20MHz	16QAM	38000	100RB#0	9.97	13	PASS
Band38	15MHz	QPSK	37825	75RB#0	11.25	13	PASS
Band38	20MHz	QPSK	38150	100RB#0	11.46	13	PASS
Band38	20MHz	16QAM	38150	100RB#0	10.16	13	PASS

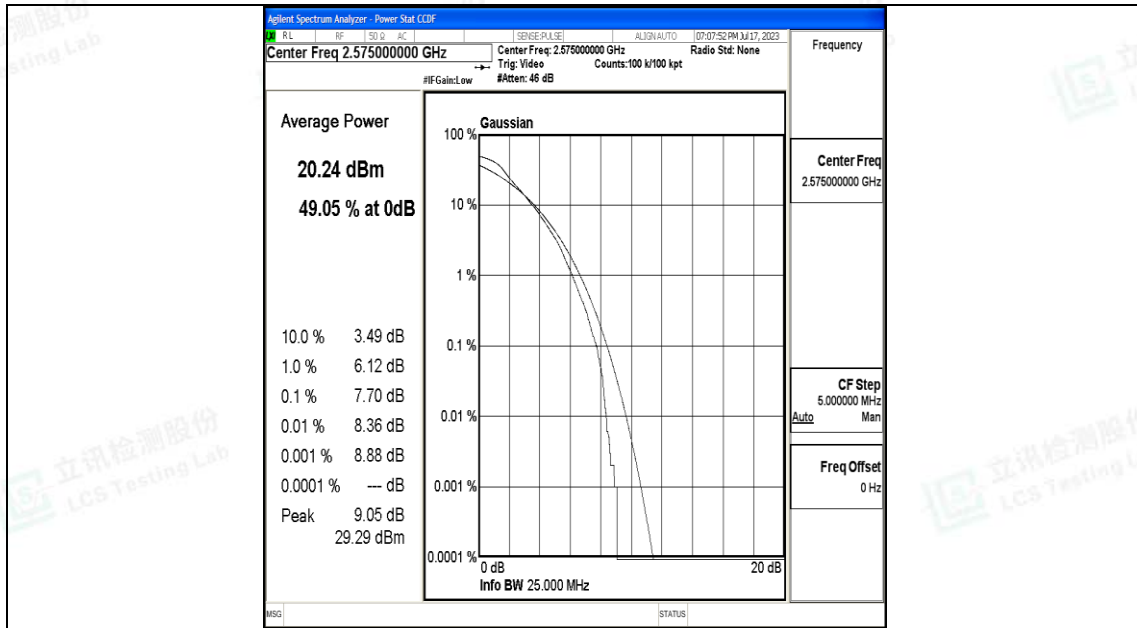




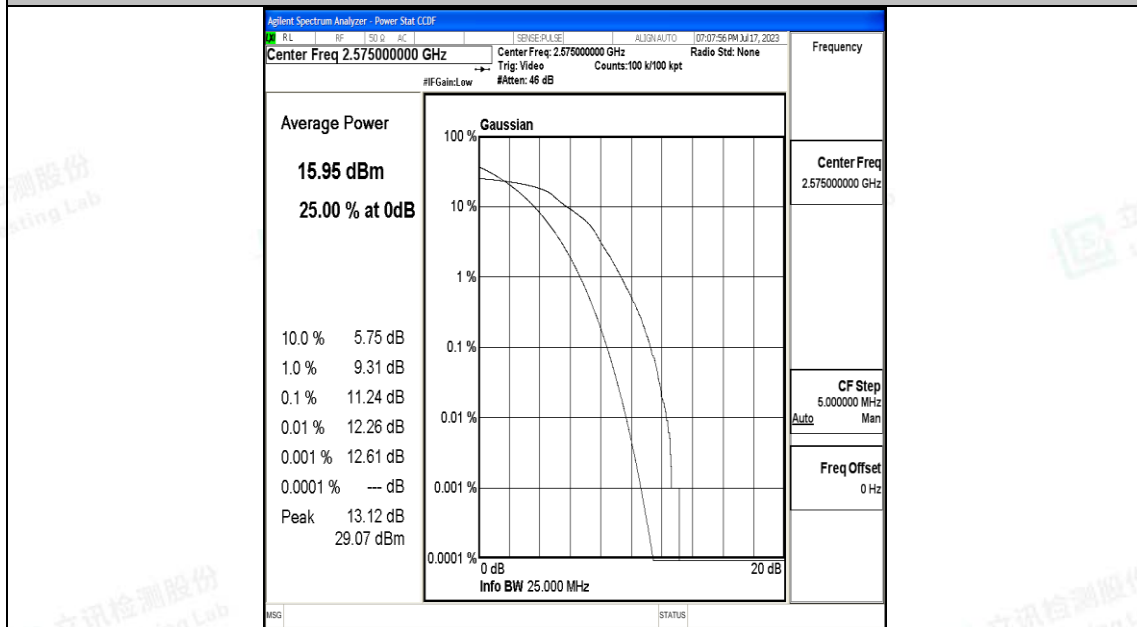
Test Graphs





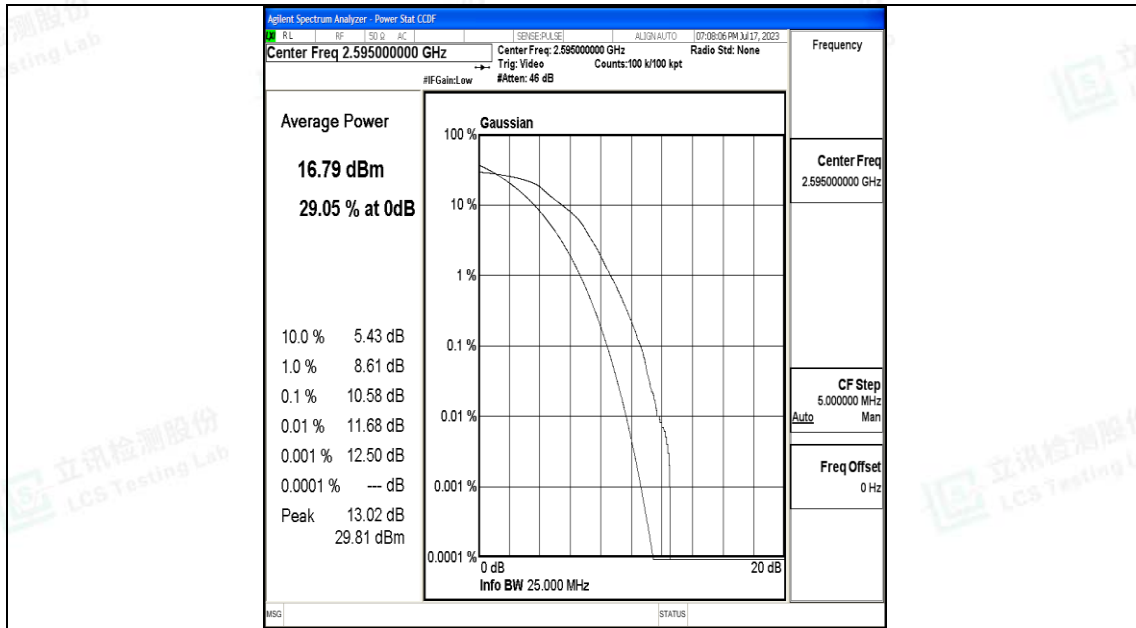


10MHz-37800

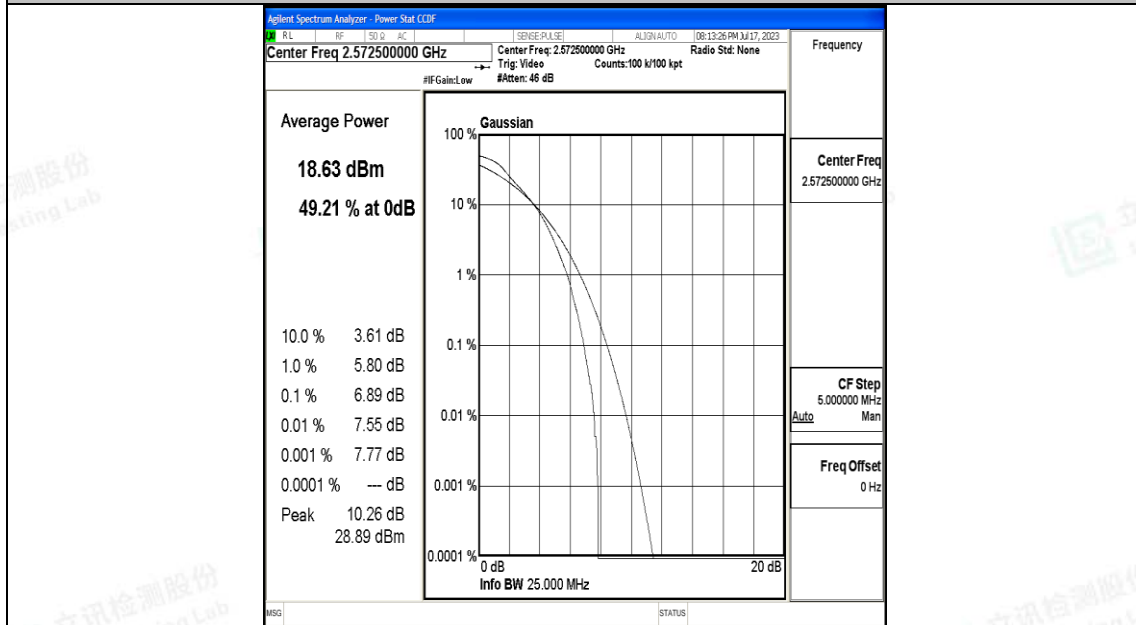


10MHz-37800



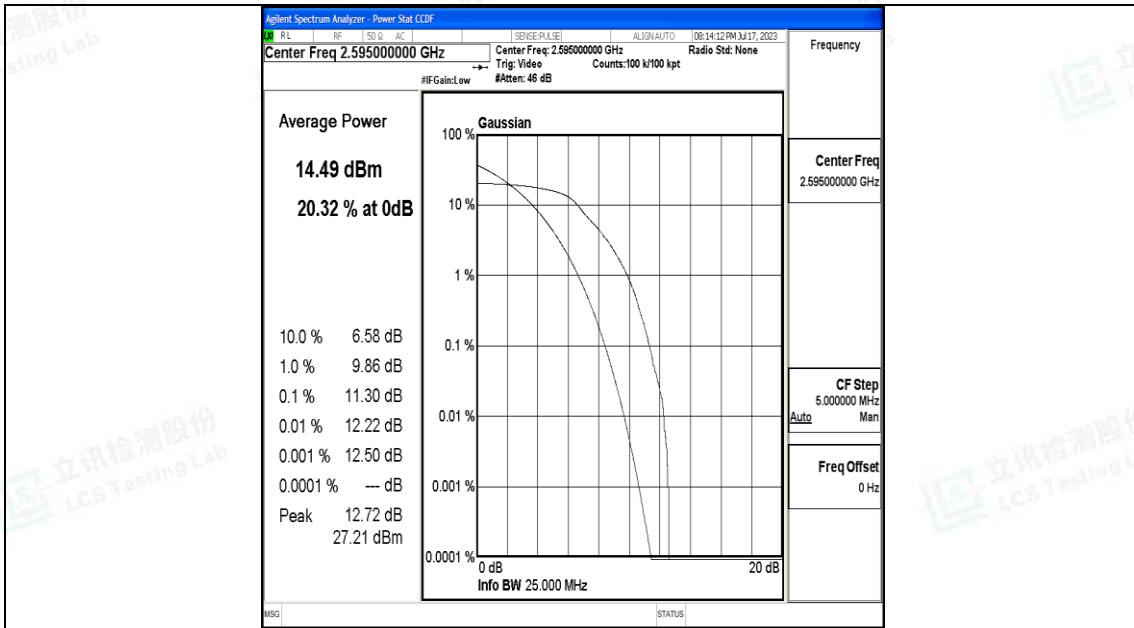


10MHz-38000

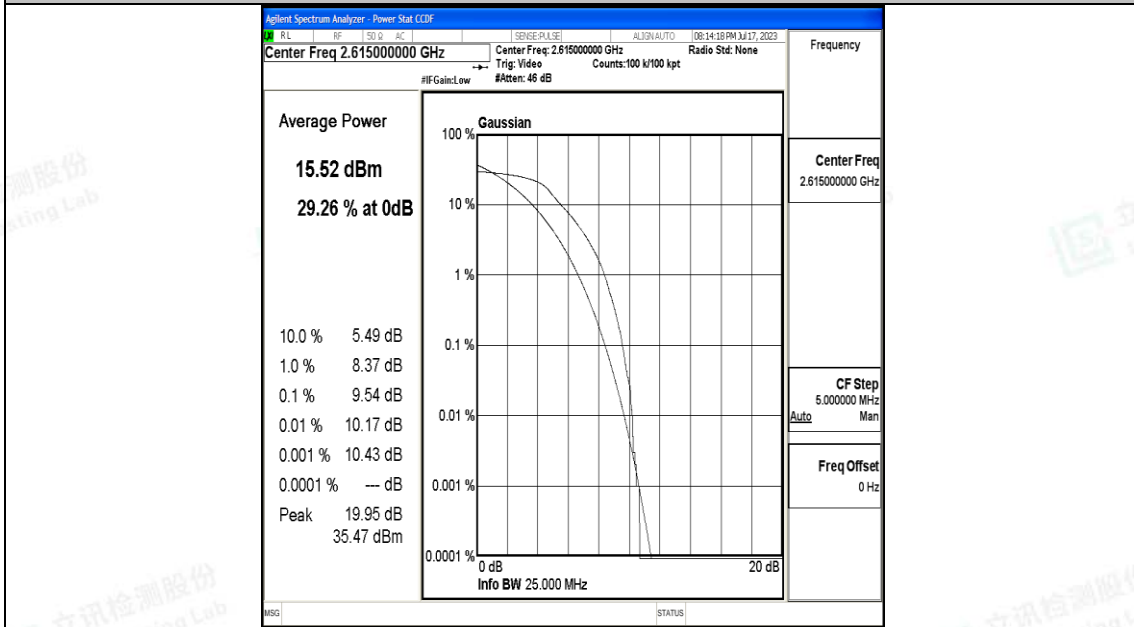


5MHz-37775



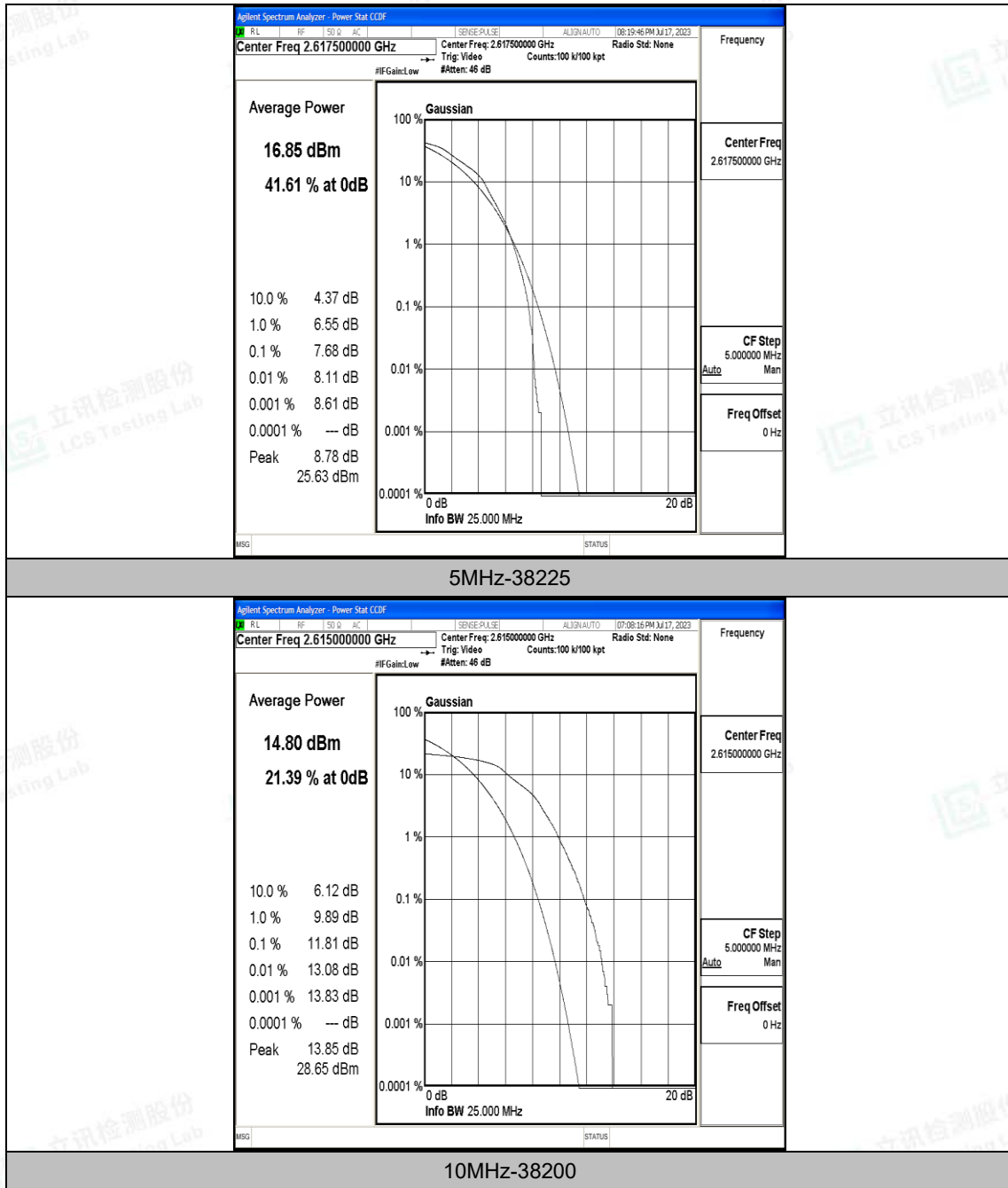


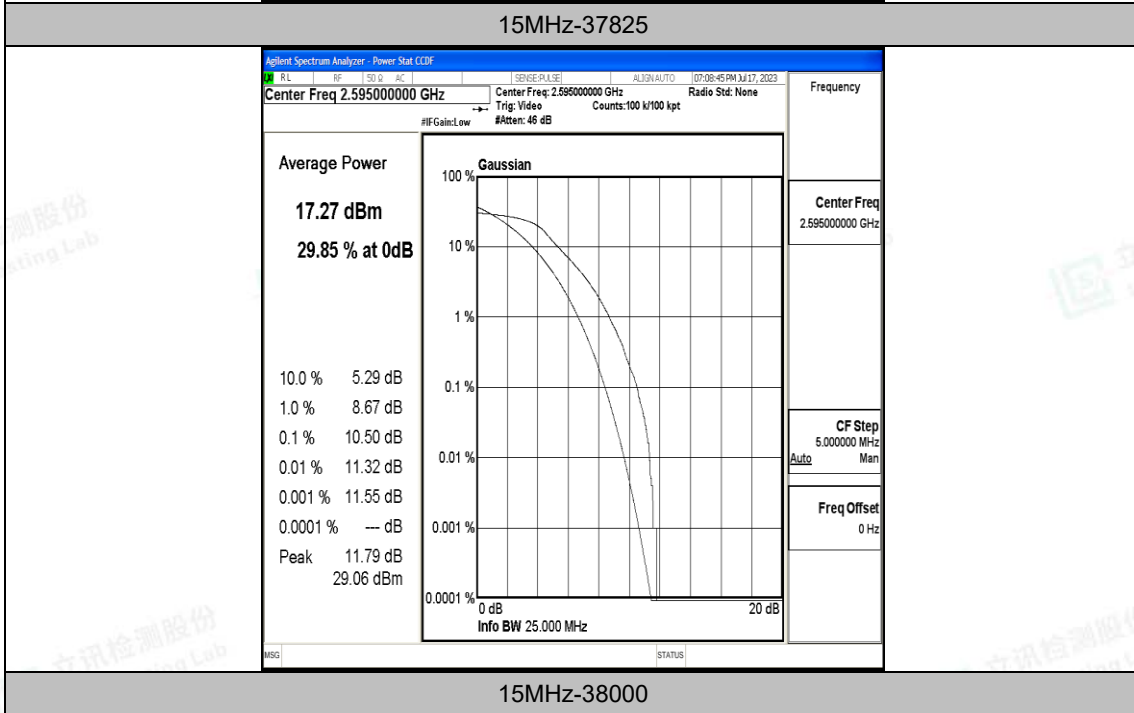
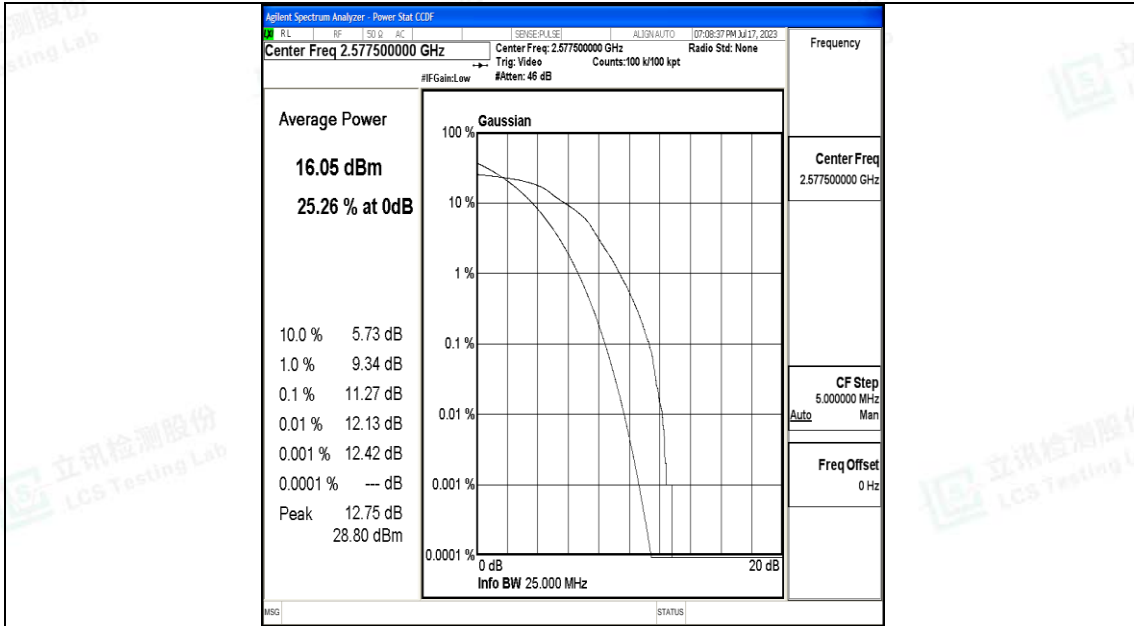
10MHz-38000

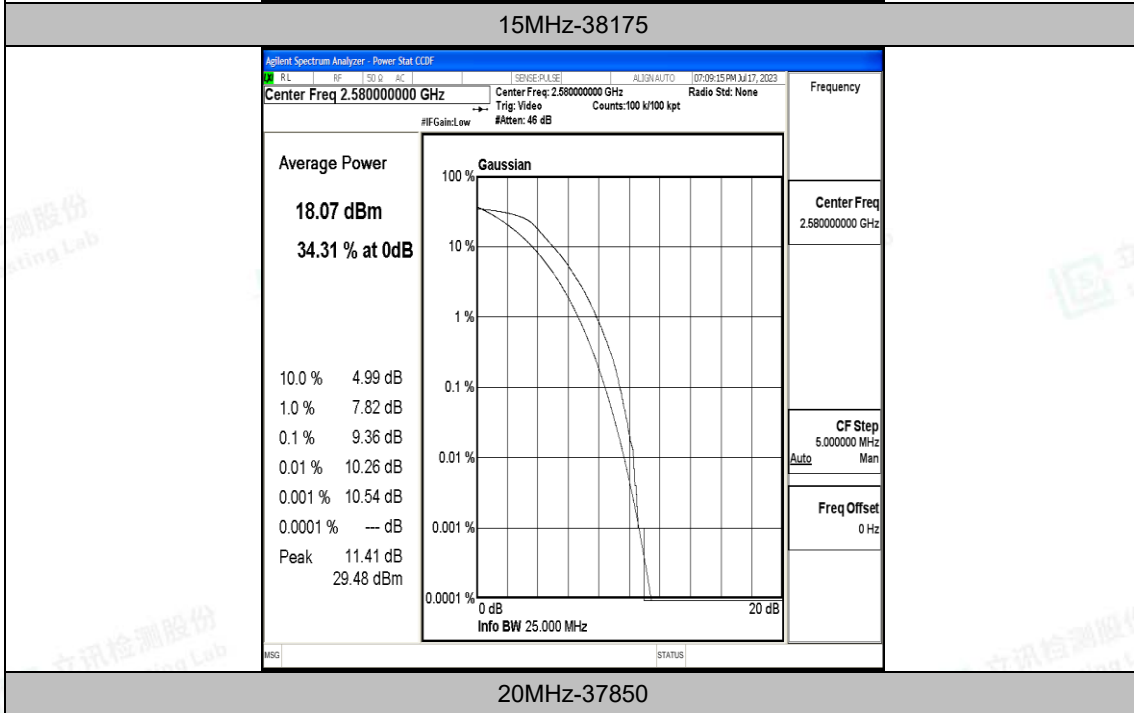
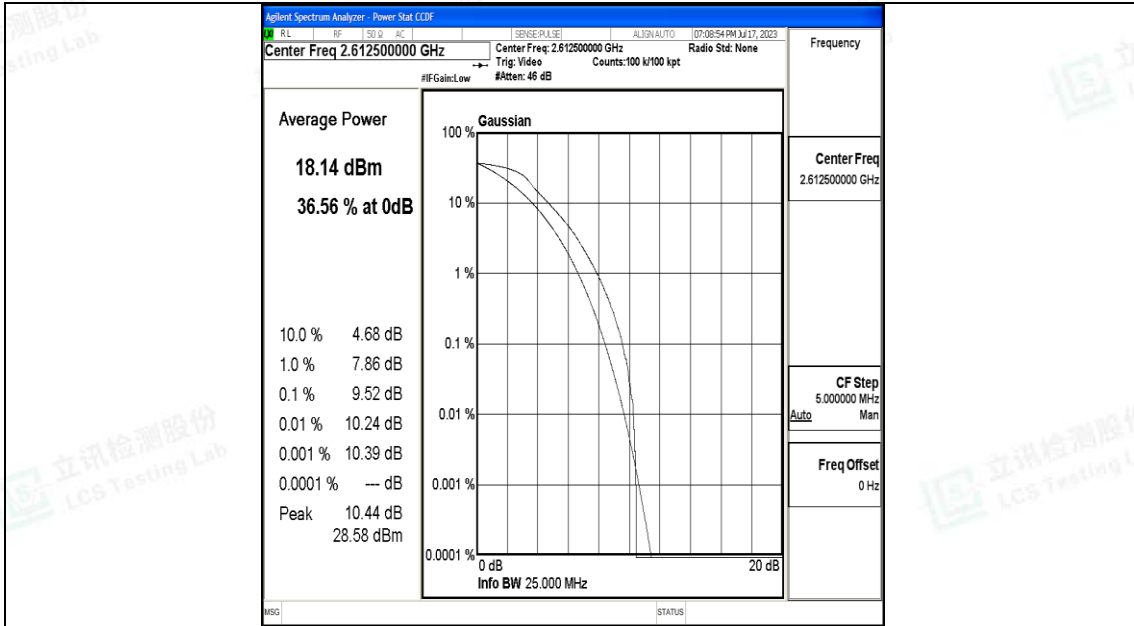


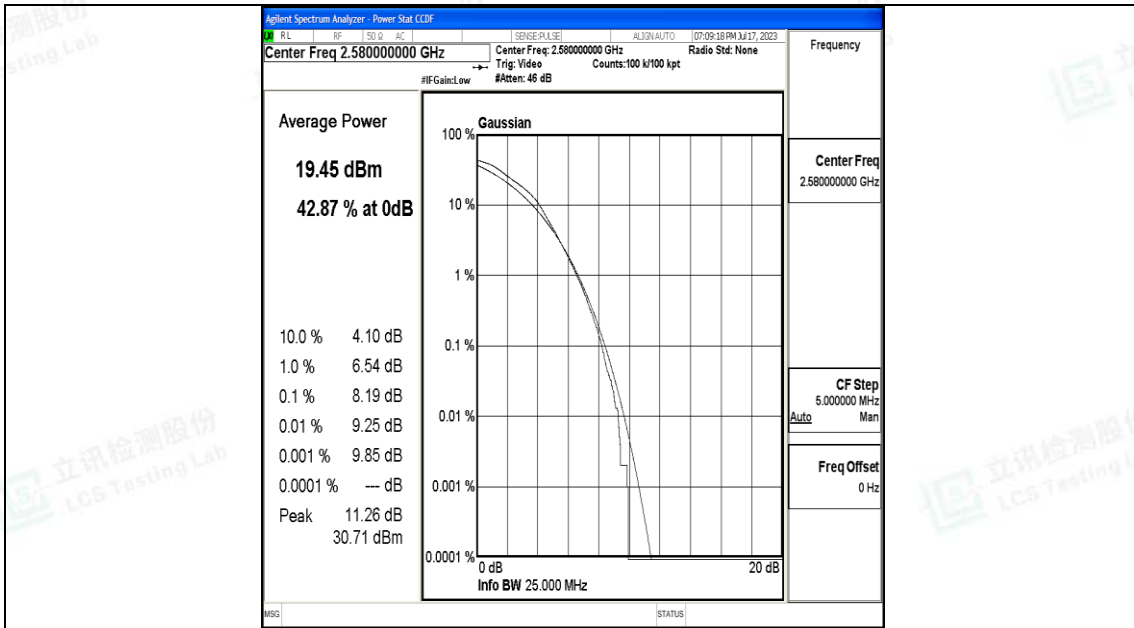
10MHz-38200



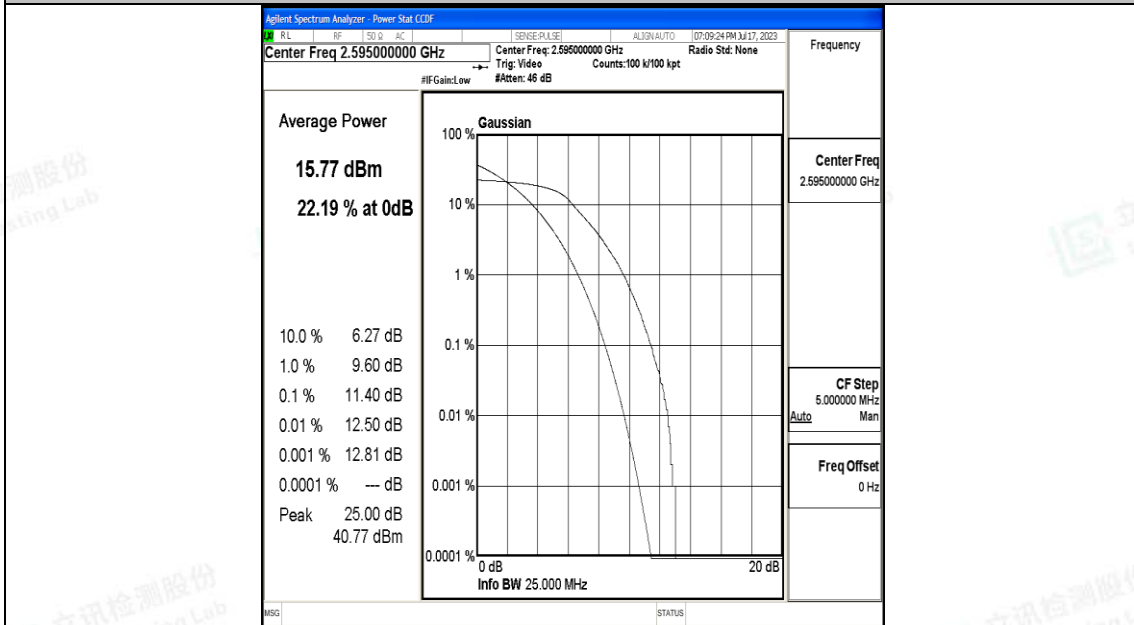






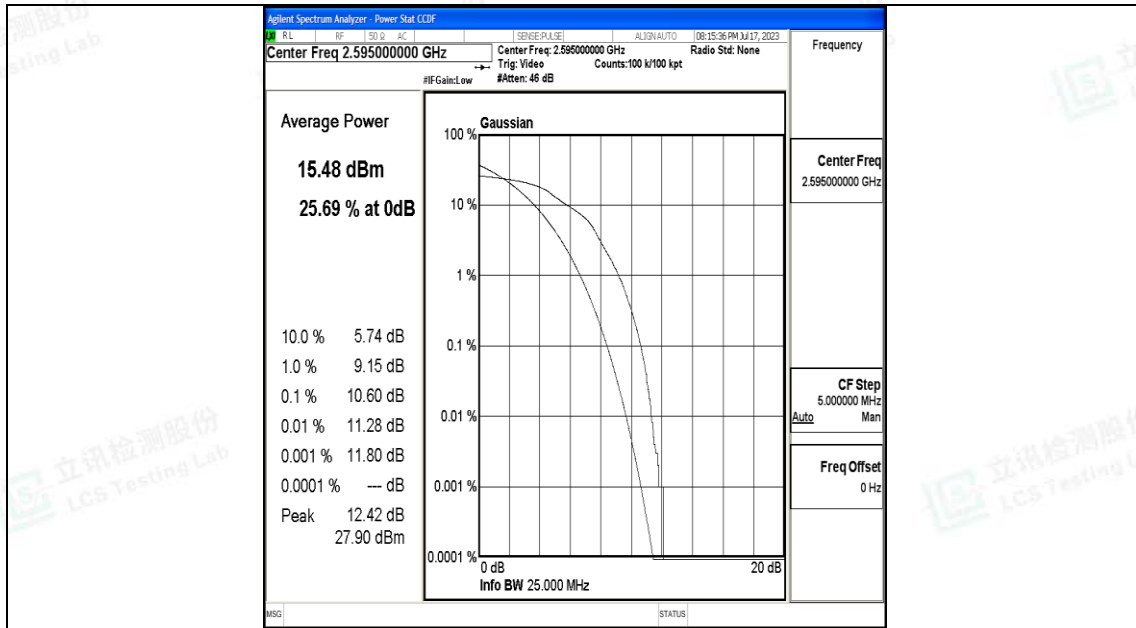


20MHz-37850

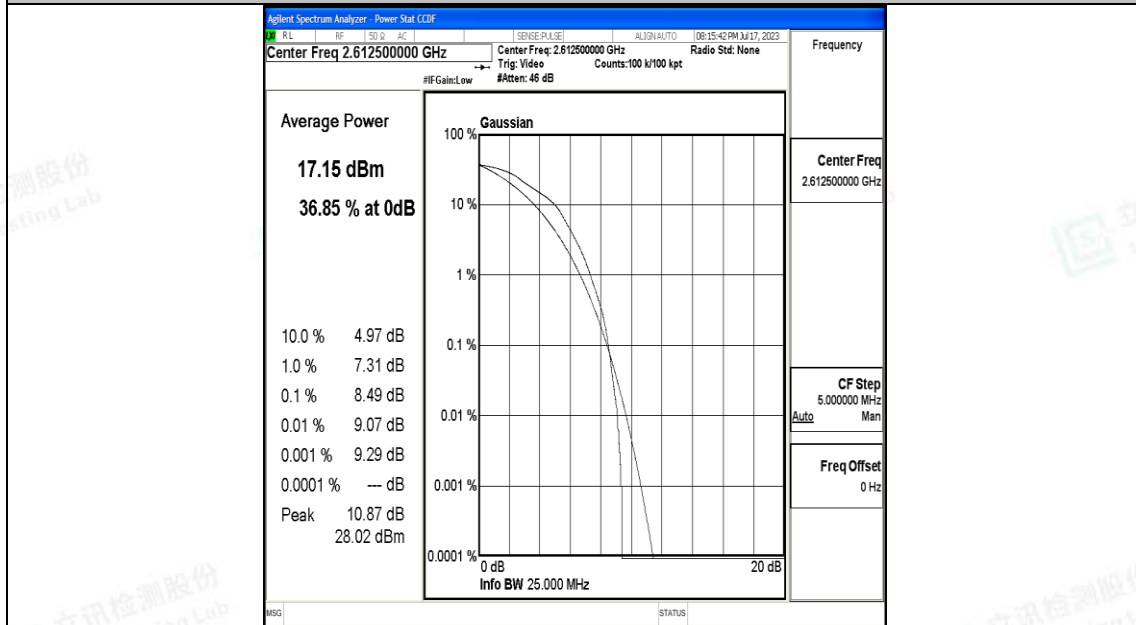


20MHz-38000



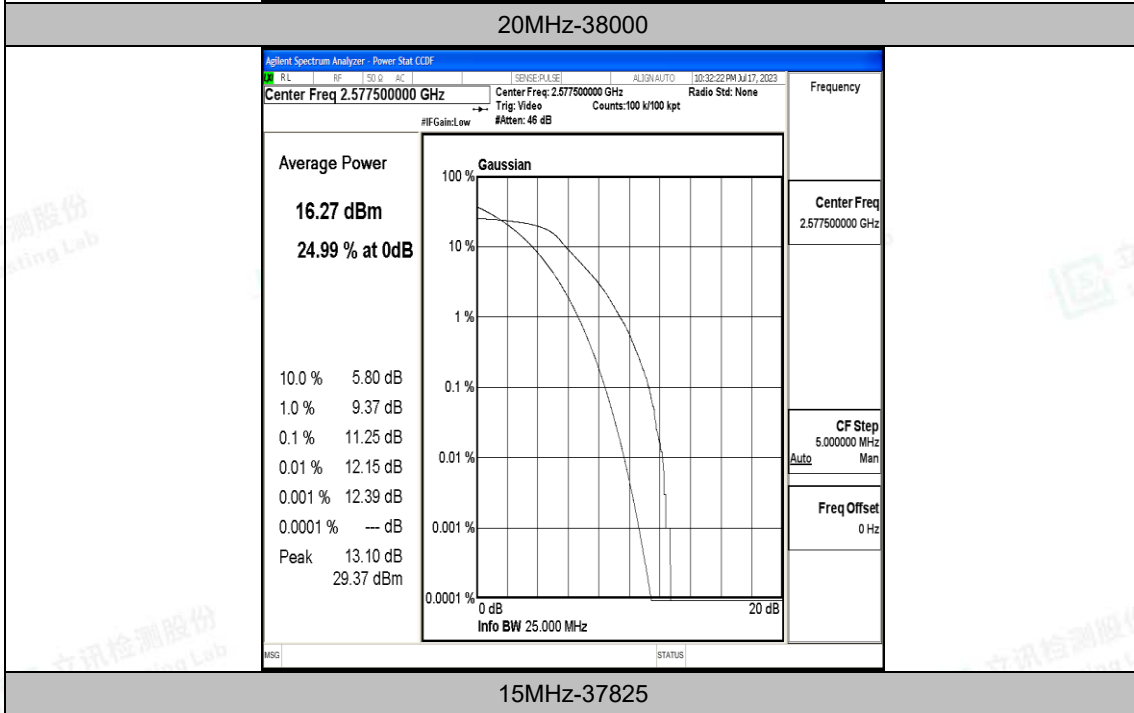
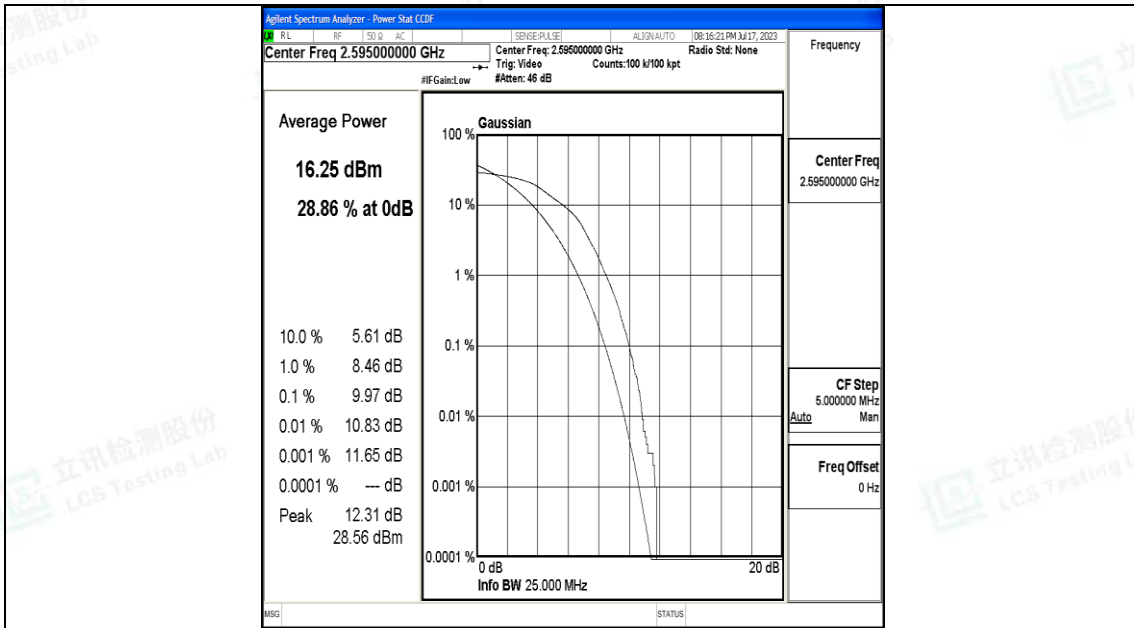


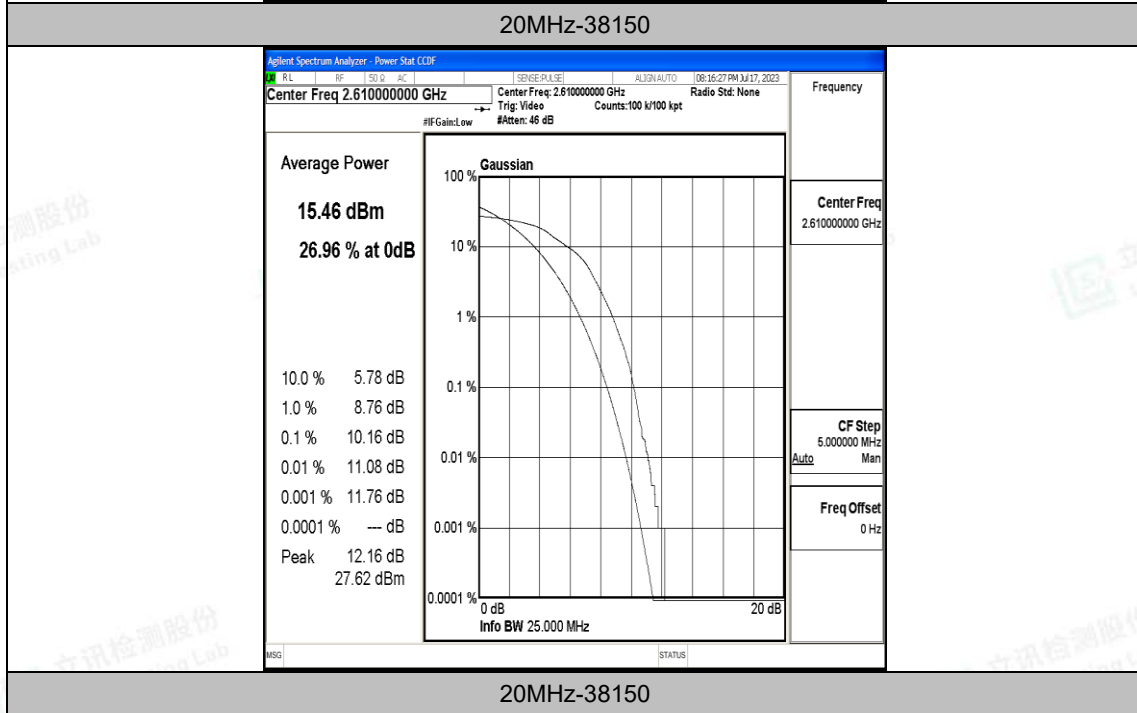
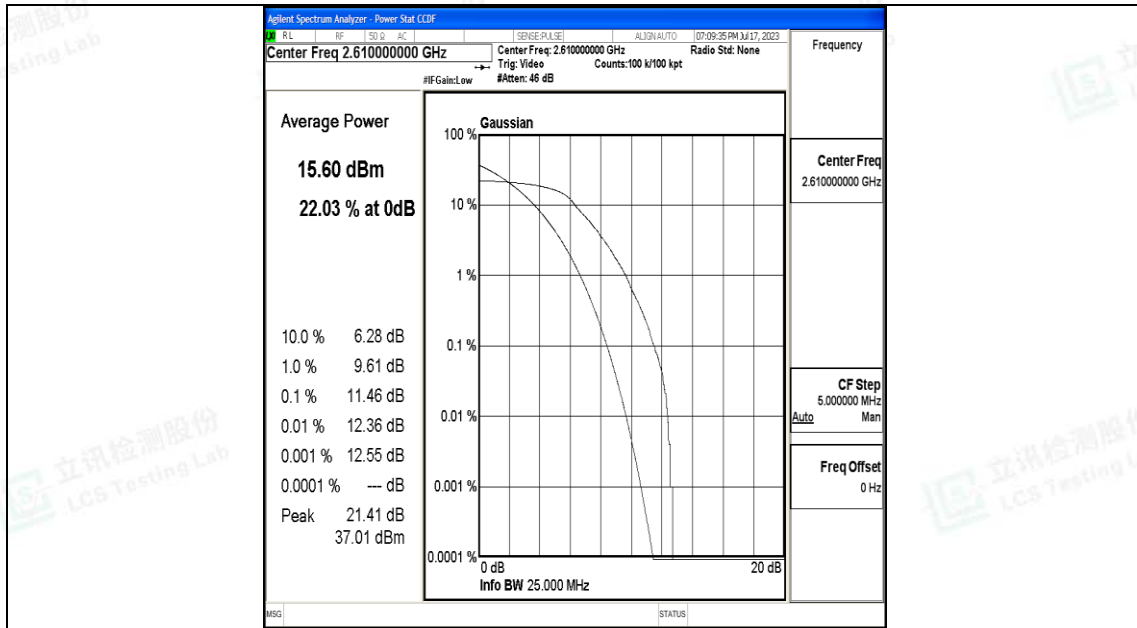
15MHz-38000



15MHz-38175









H.3 26dB Bandwidth and Occupied Bandwidth

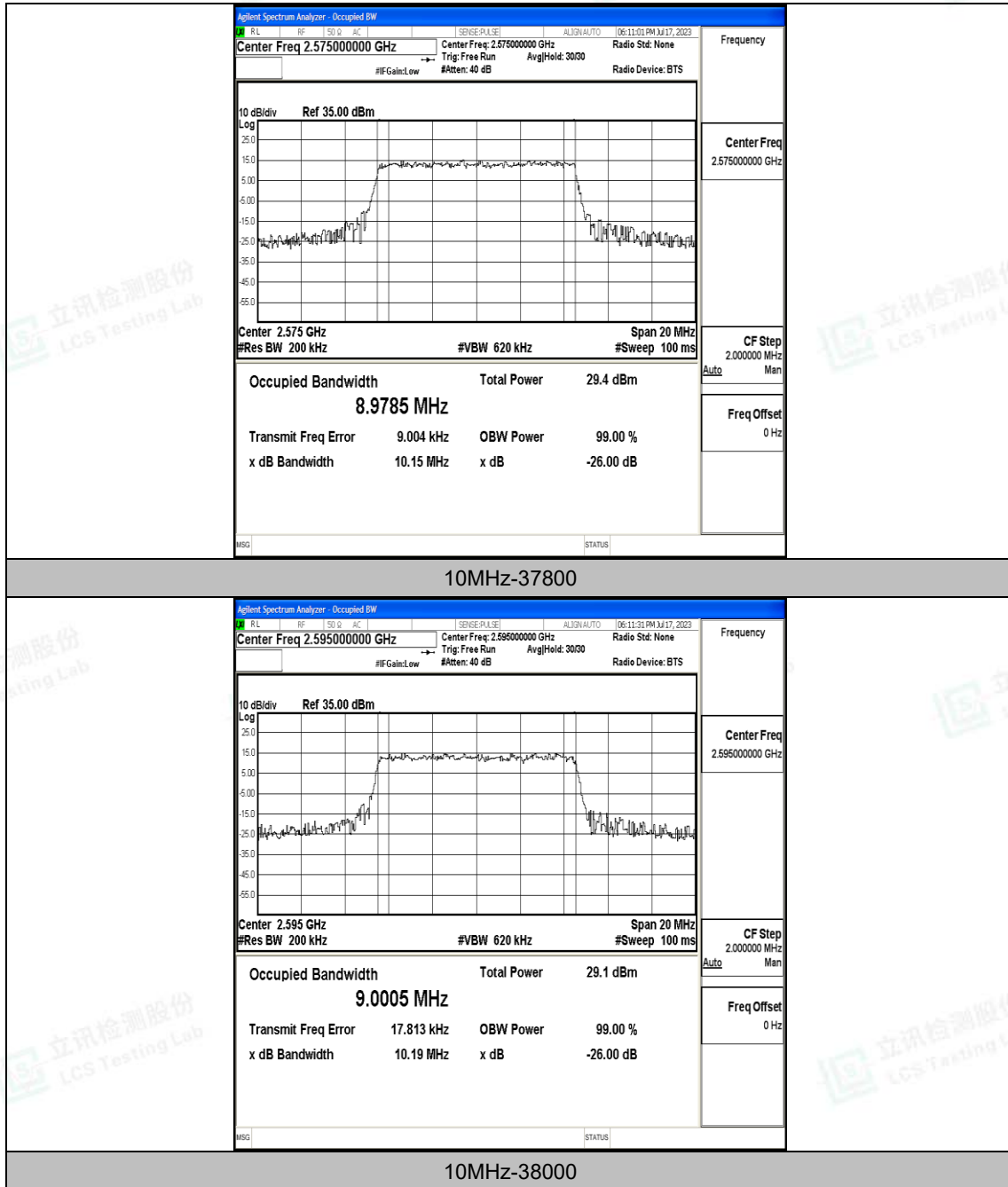
Test Result

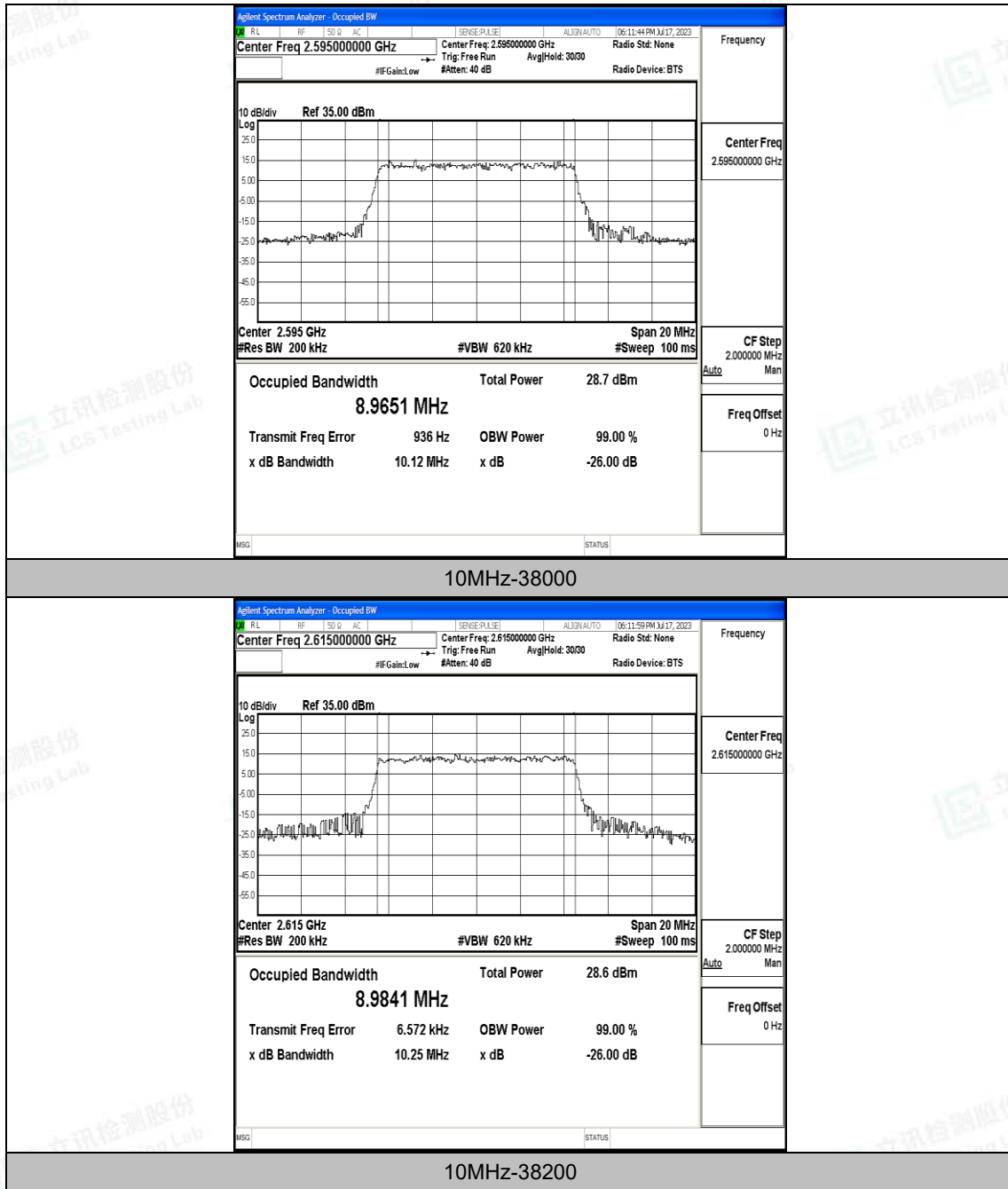
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band38	10MHz	QPSK	37800	50RB#0	8.9785	10.15	PASS
Band38	10MHz	QPSK	38000	50RB#0	9.0005	10.19	PASS
Band38	10MHz	16QAM	38000	50RB#0	8.9651	10.12	PASS
Band38	10MHz	QPSK	38200	50RB#0	8.9841	10.25	PASS
Band38	10MHz	16QAM	38200	50RB#0	9.0093	11.13	PASS
Band38	15MHz	QPSK	37825	75RB#0	13.511	15.11	PASS
Band38	15MHz	16QAM	37825	75RB#0	13.535	15.18	PASS
Band38	15MHz	QPSK	38000	75RB#0	13.509	15.75	PASS
Band38	15MHz	16QAM	38000	75RB#0	13.453	15.43	PASS
Band38	10MHz	16QAM	37800	50RB#0	8.9859	10.04	PASS
Band38	5MHz	QPSK	37775	25RB#0	4.5079	5.040	PASS
Band38	5MHz	16QAM	37775	25RB#0	4.5110	5.384	PASS
Band38	20MHz	16QAM	37850	100RB#0	17.991	20.17	PASS
Band38	20MHz	QPSK	38000	100RB#0	17.964	20.36	PASS
Band38	20MHz	16QAM	38000	100RB#0	17.995	20.45	PASS
Band38	20MHz	QPSK	38150	100RB#0	17.945	20.07	PASS
Band38	20MHz	16QAM	38150	100RB#0	17.943	20.31	PASS
Band38	15MHz	QPSK	38175	75RB#0	13.503	15.84	PASS
Band38	15MHz	16QAM	38175	75RB#0	13.520	15.31	PASS
Band38	20MHz	QPSK	37850	100RB#0	17.984	20.96	PASS
Band38	5MHz	QPSK	38000	25RB#0	4.5015	5.224	PASS
Band38	5MHz	16QAM	38000	25RB#0	4.5088	5.327	PASS
Band38	5MHz	QPSK	38225	25RB#0	4.4888	5.105	PASS
Band38	5MHz	16QAM	38225	25RB#0	4.5193	5.287	PASS

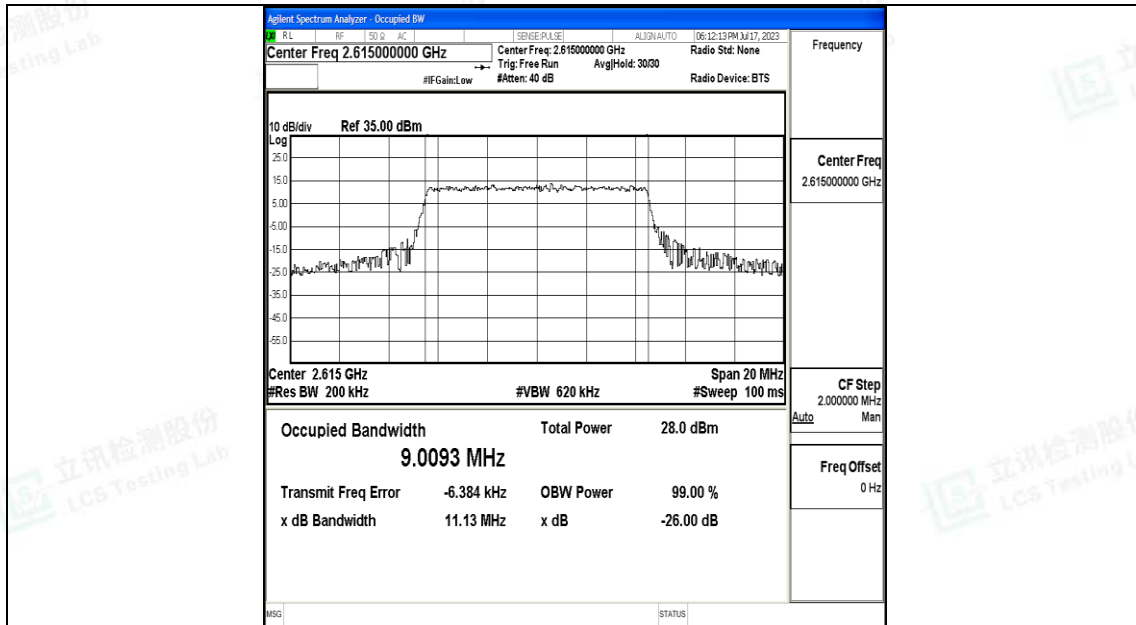




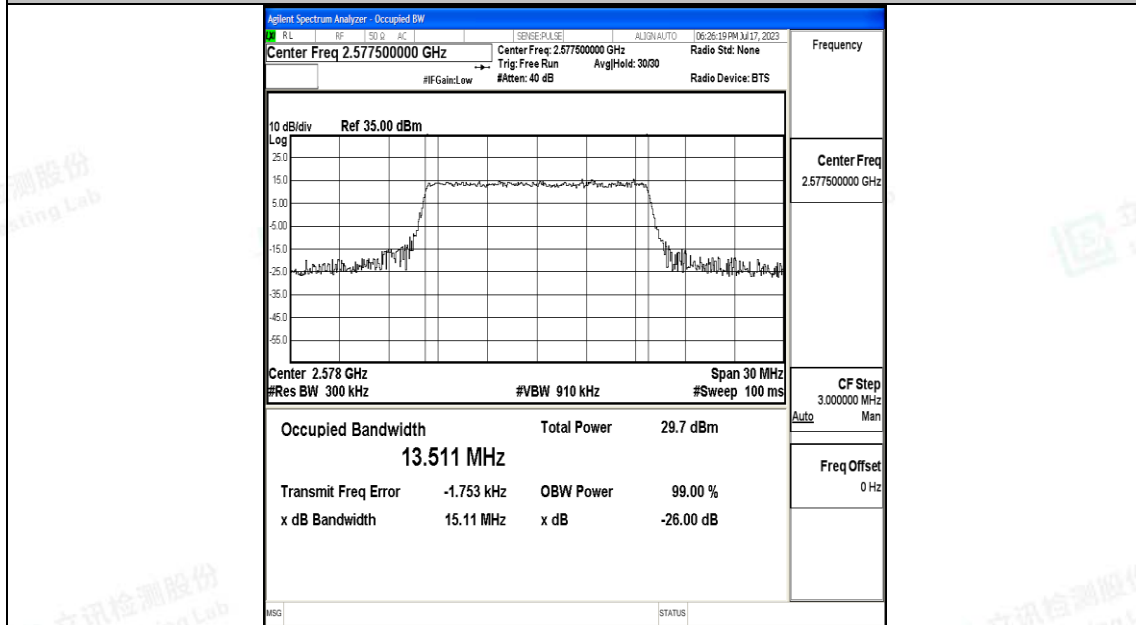
Test Graphs





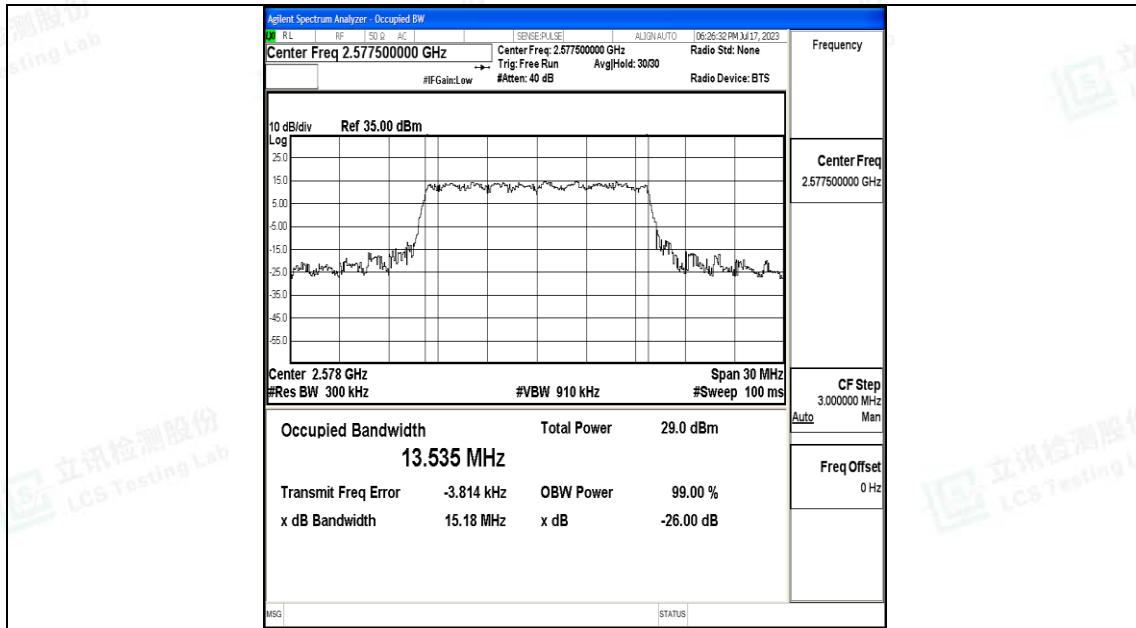


10MHz-38200

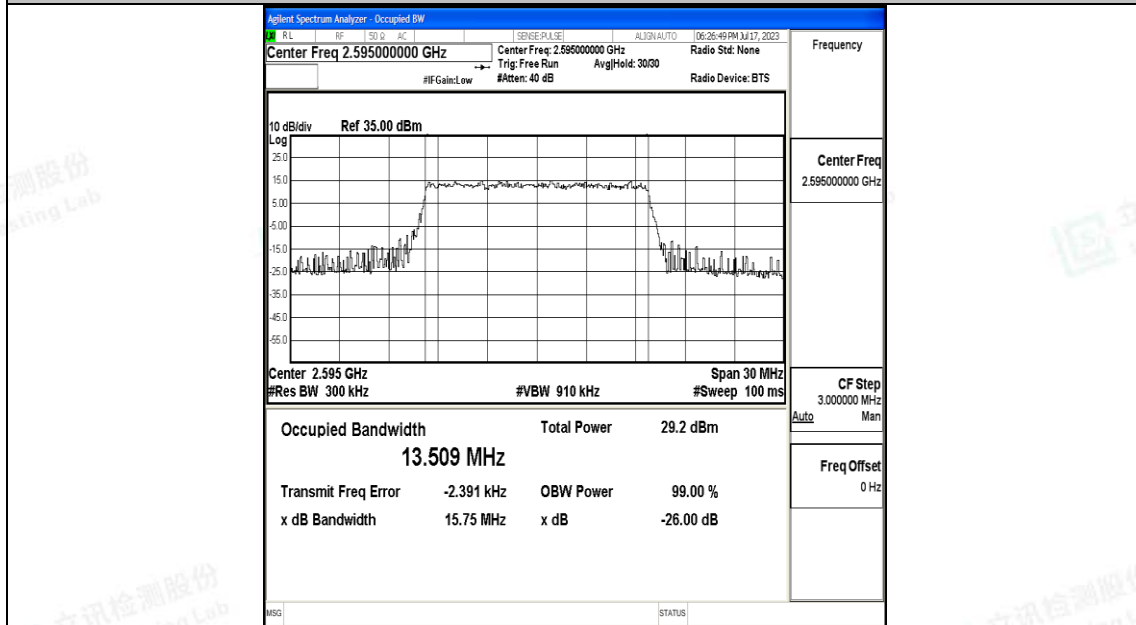


15MHz-37825



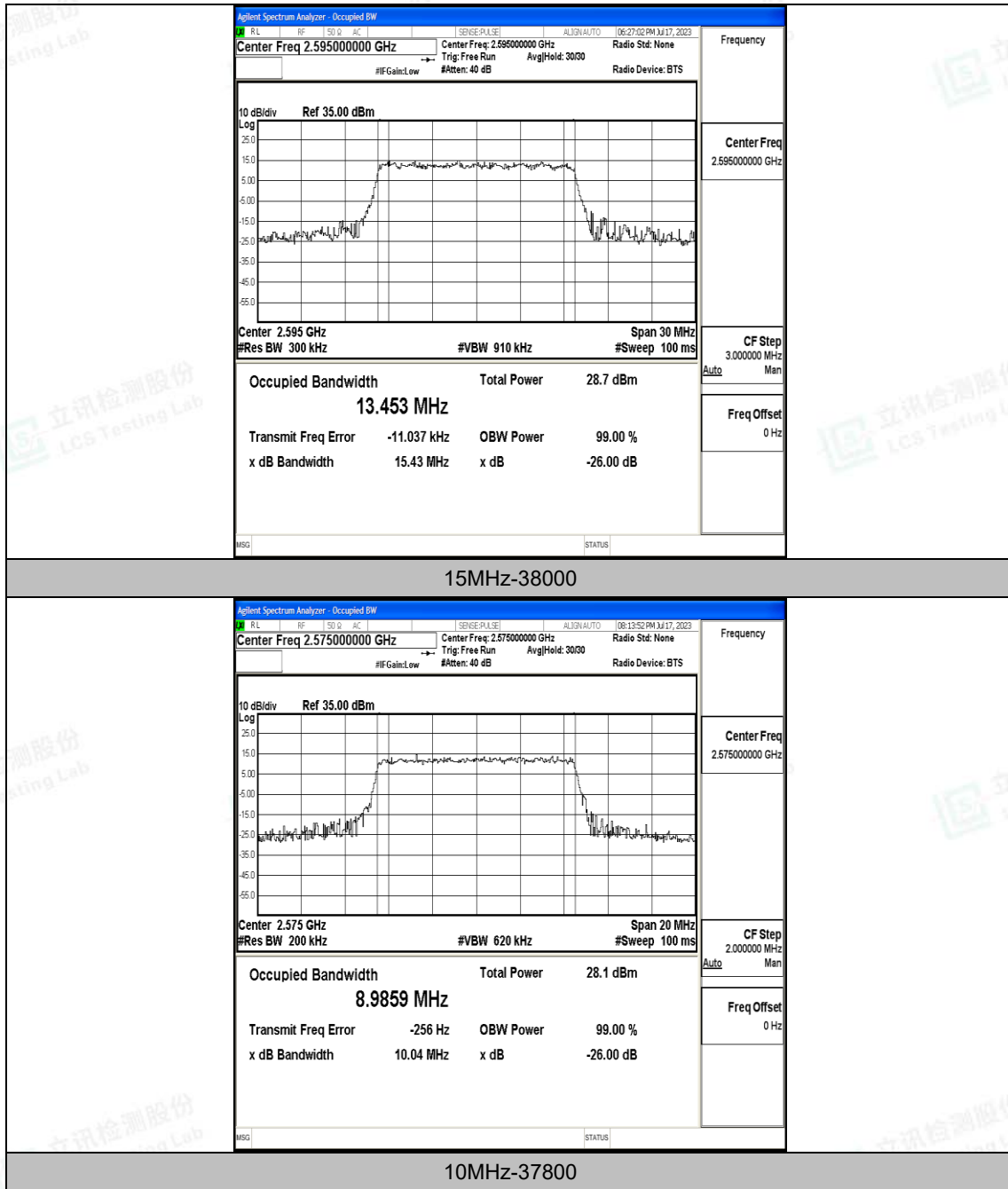


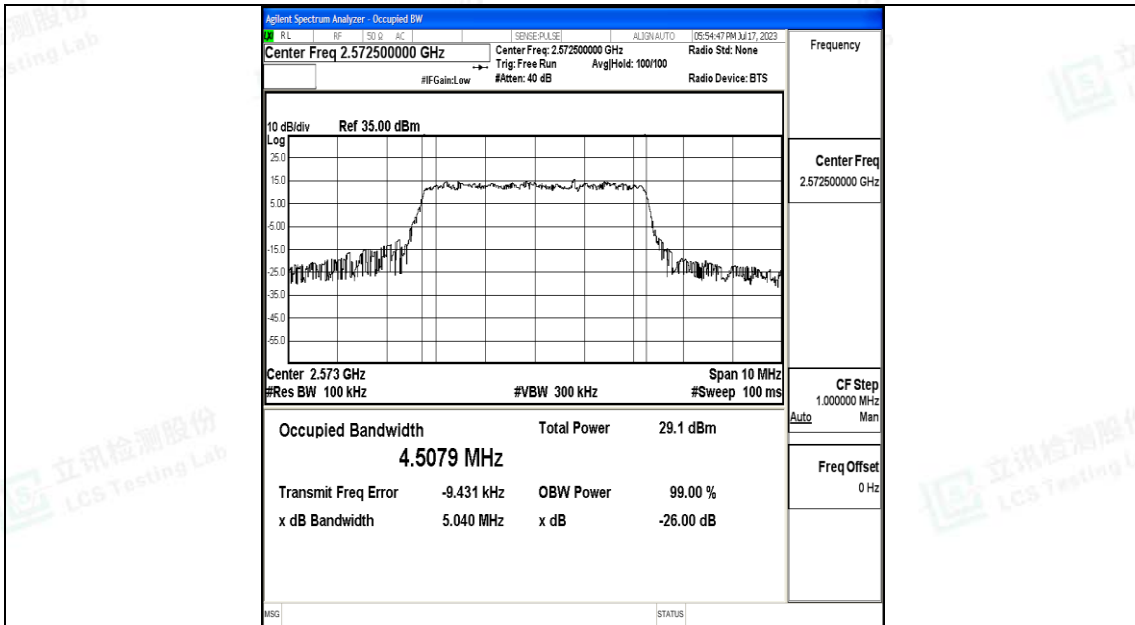
15MHz-37825



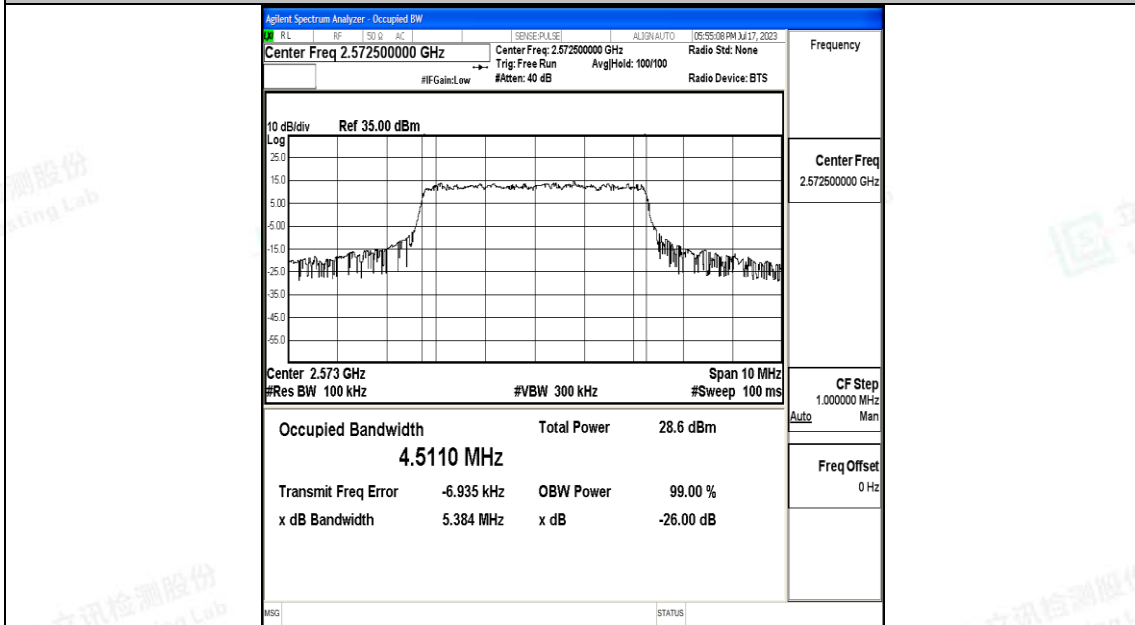
15MHz-38000





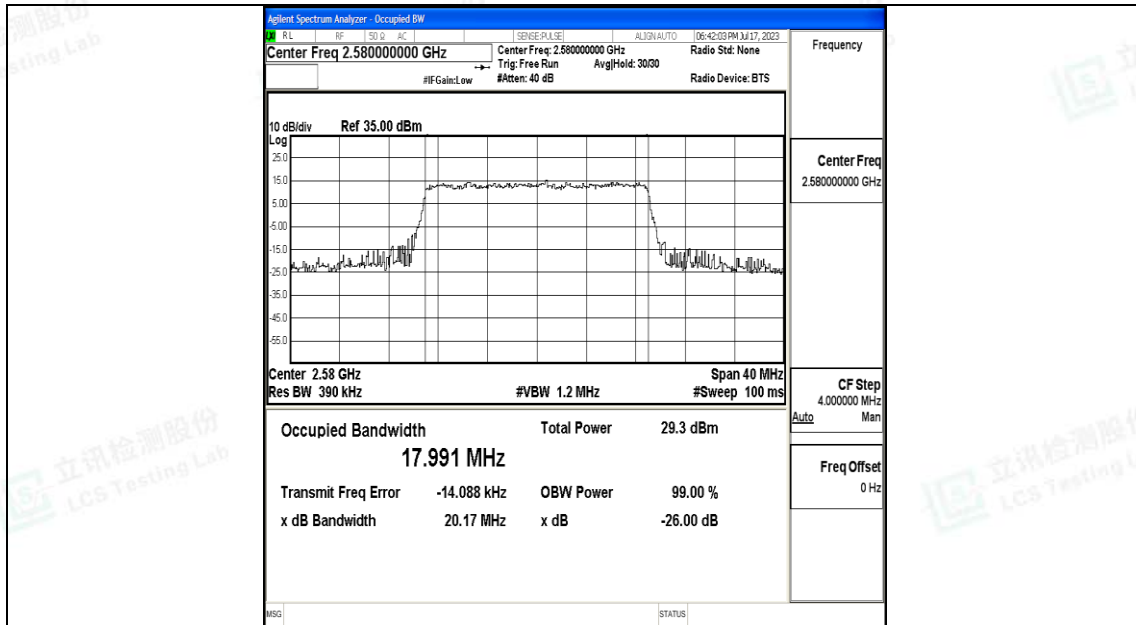


5MHz-37775

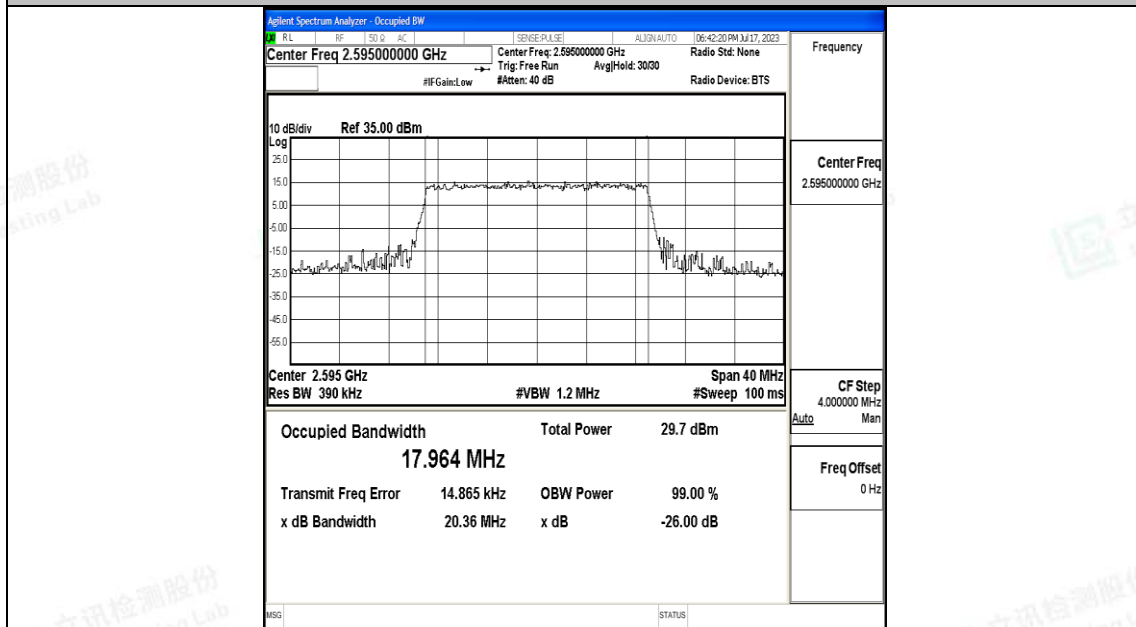


5MHz-37775



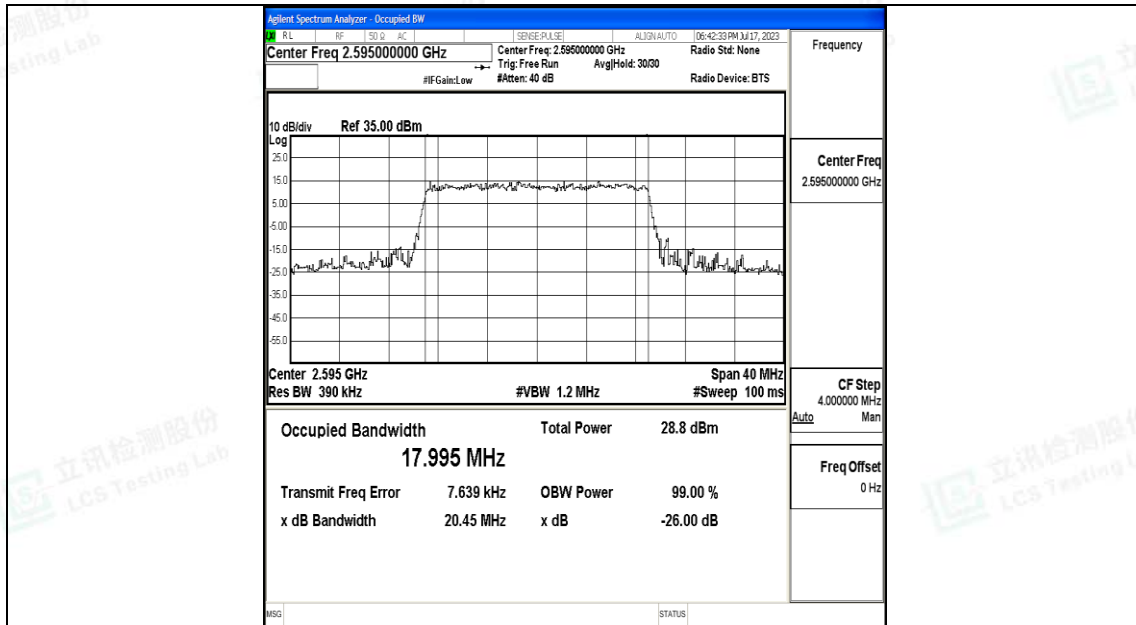


20MHz-37850

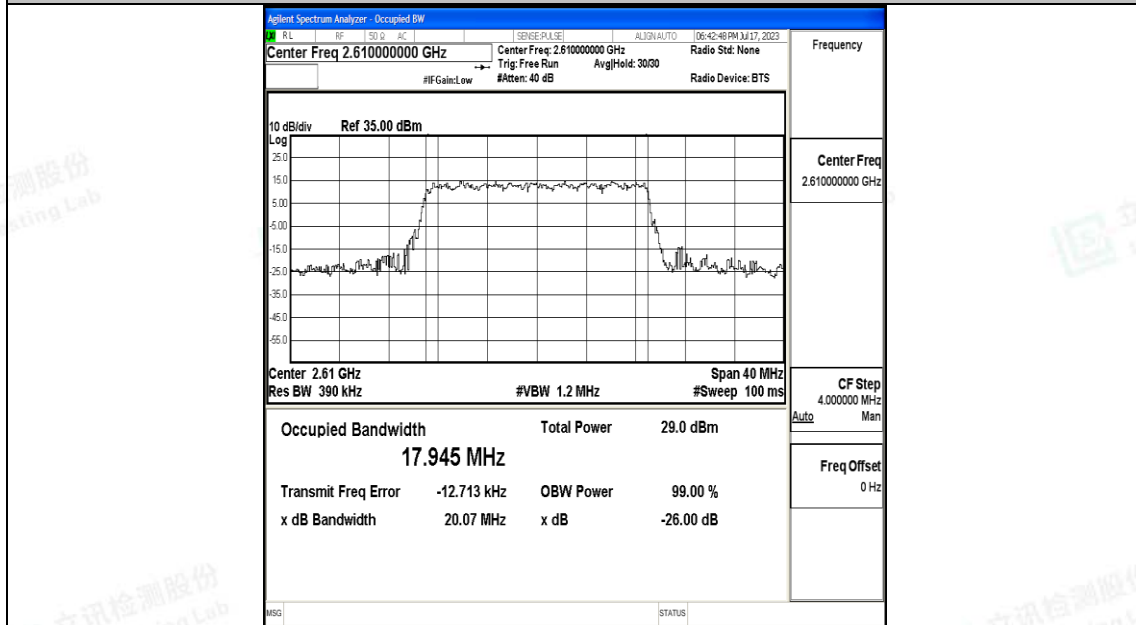


20MHz-38000



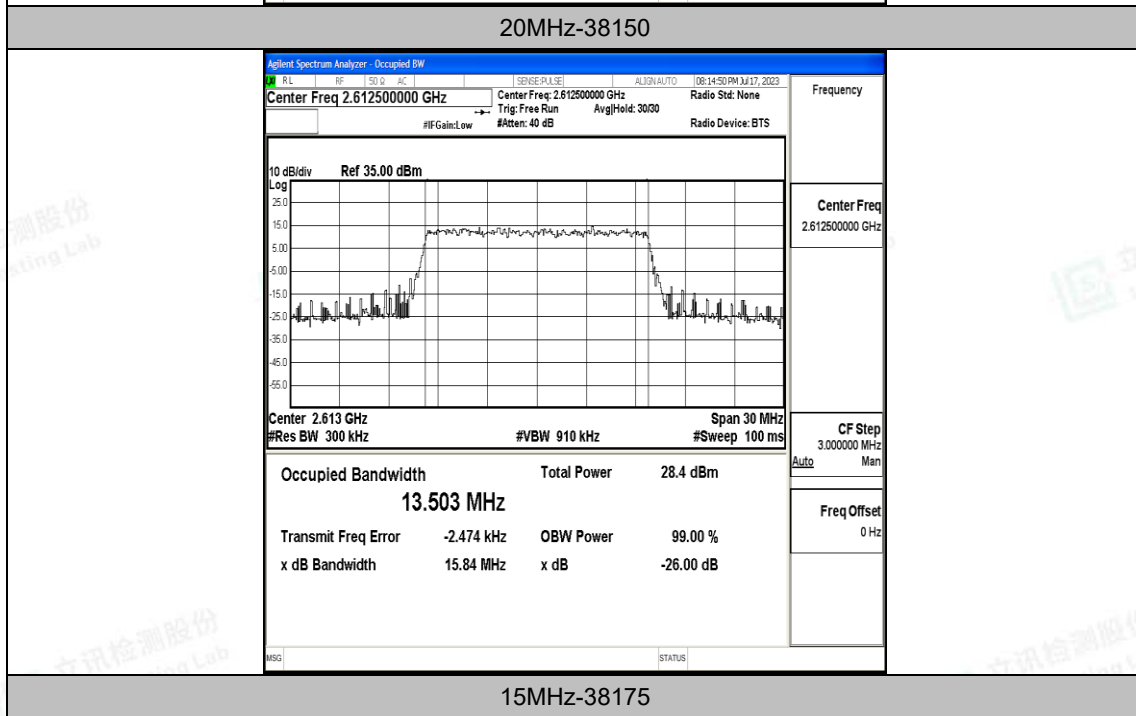
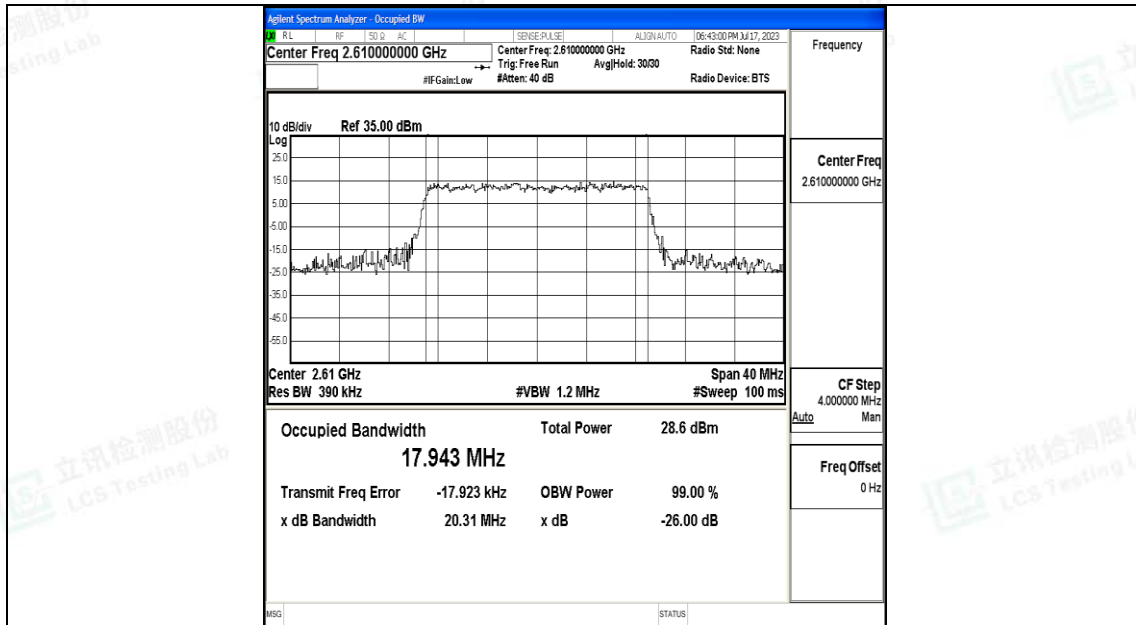


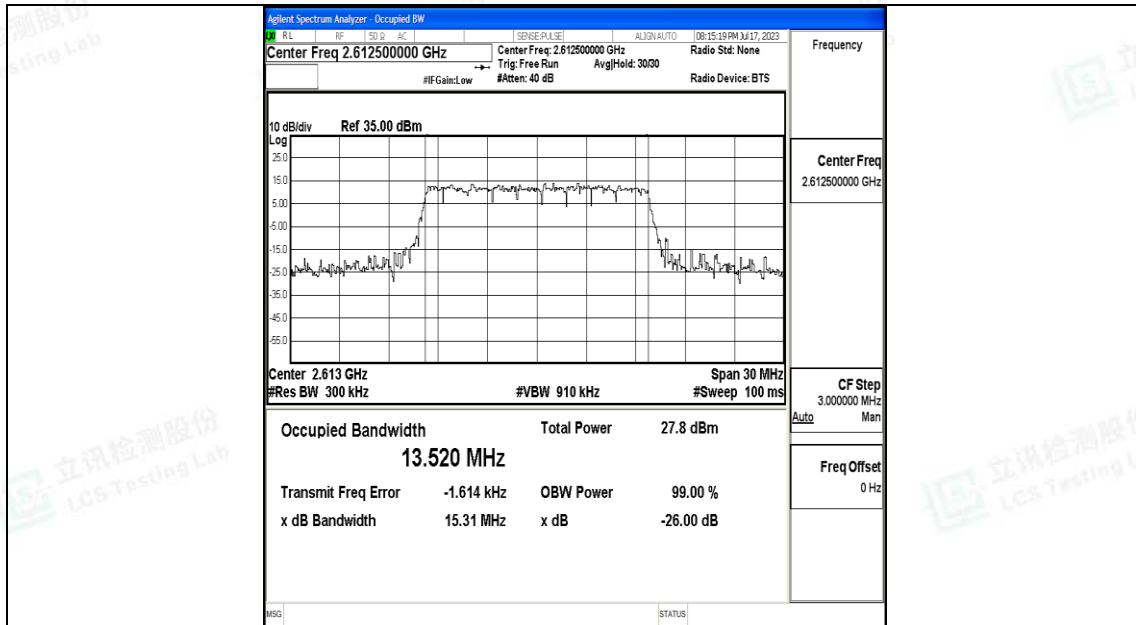
20MHz-38000



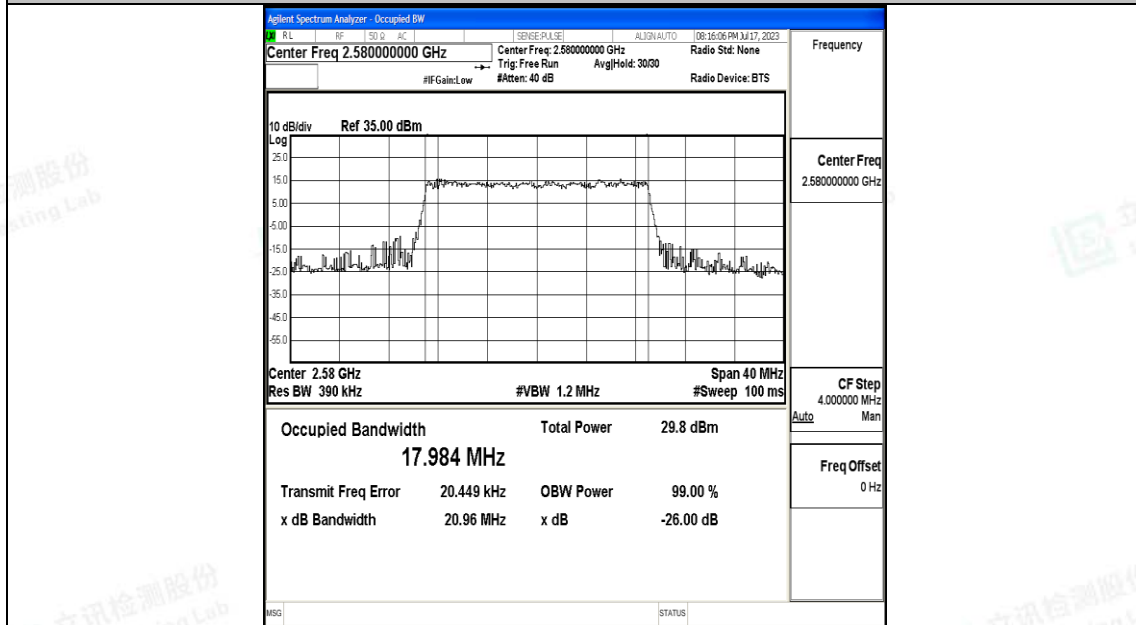
20MHz-38150





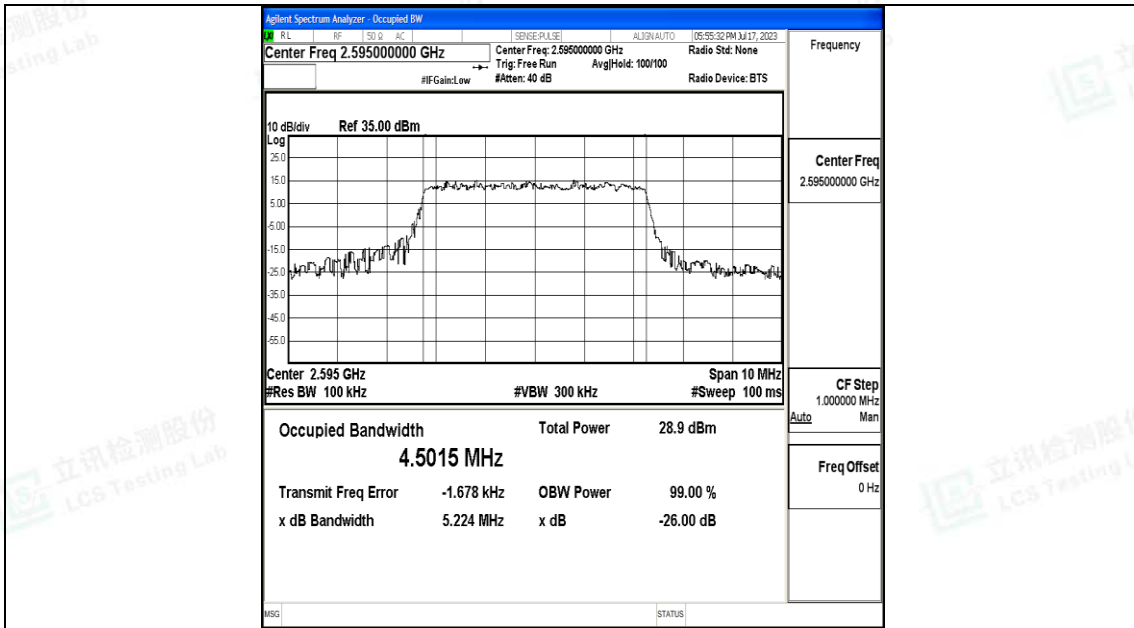


15MHz-38175

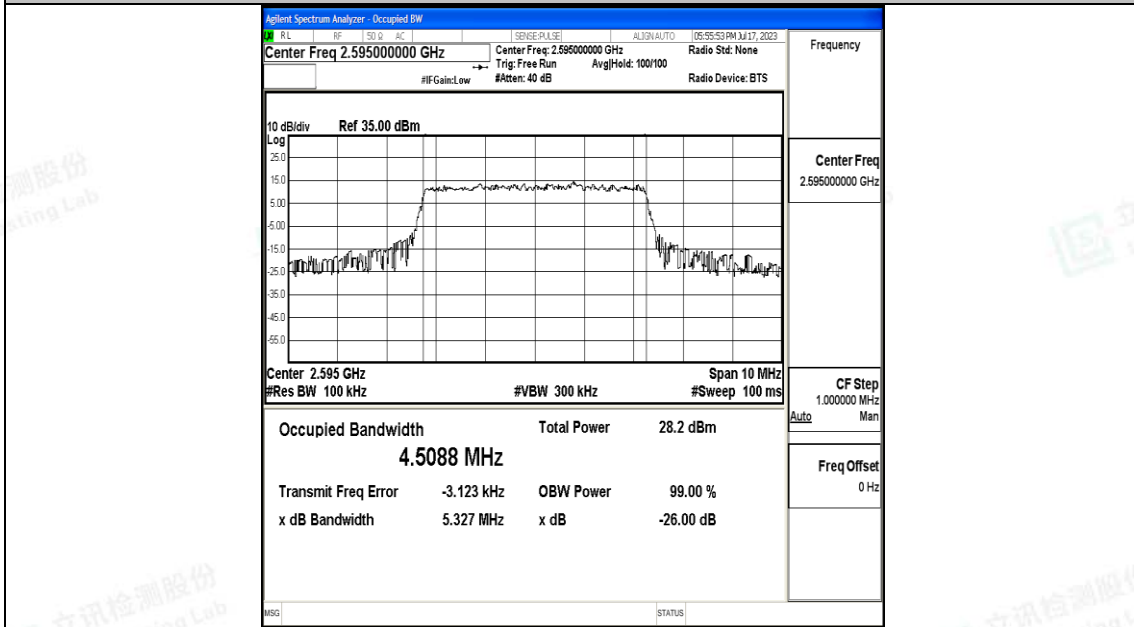


20MHz-37850



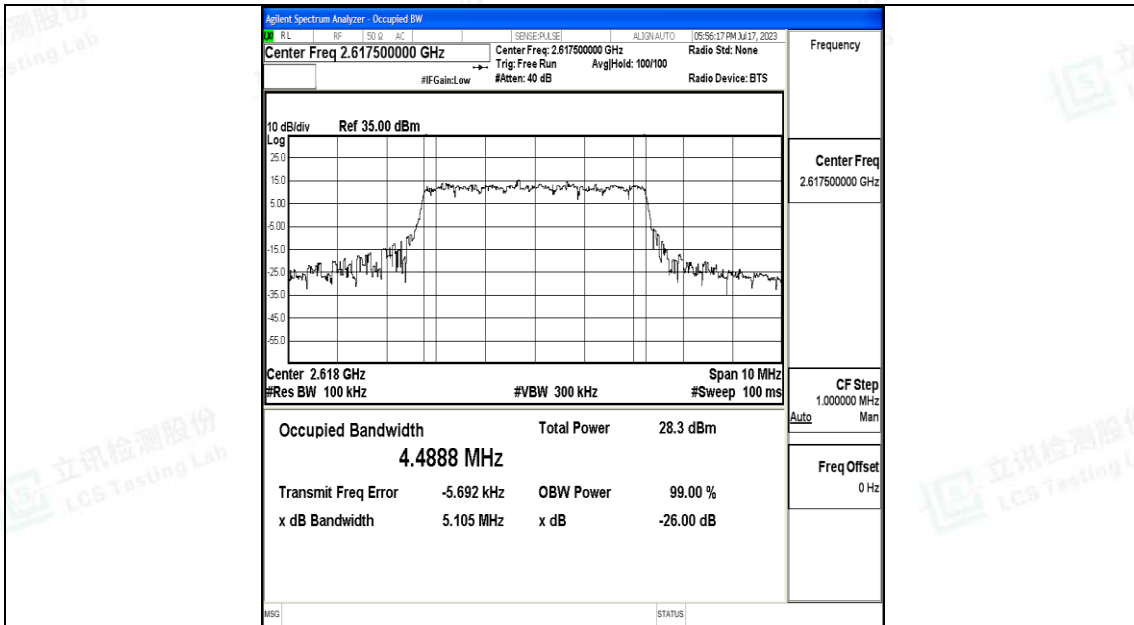


5MHz-38000

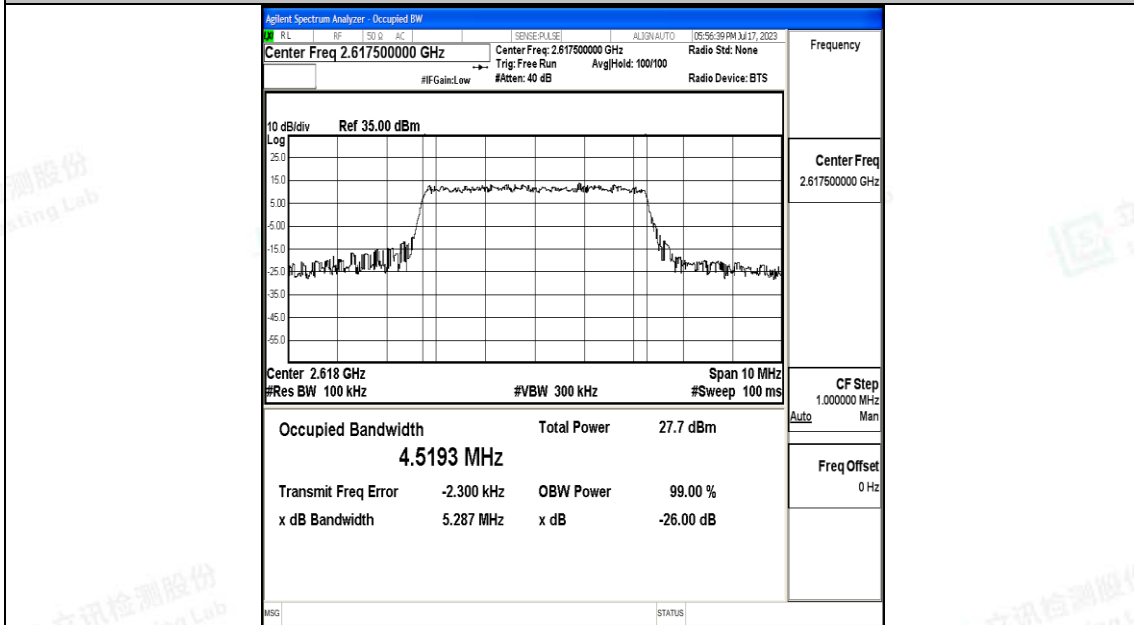


5MHz-38000





5MHz-38225



5MHz-38225



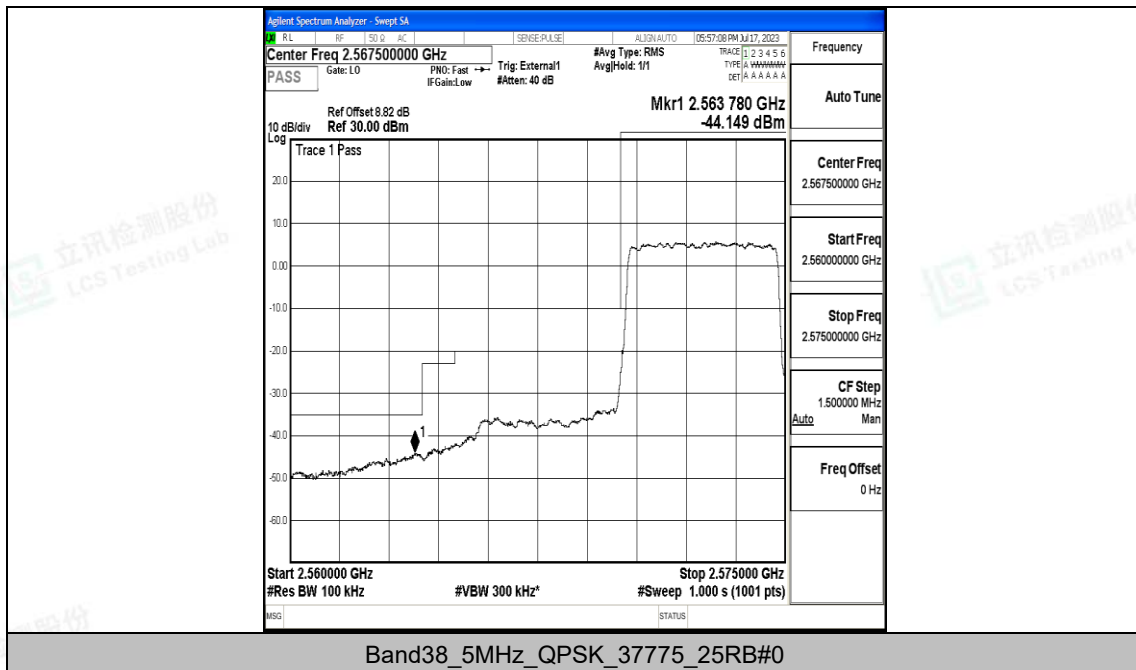


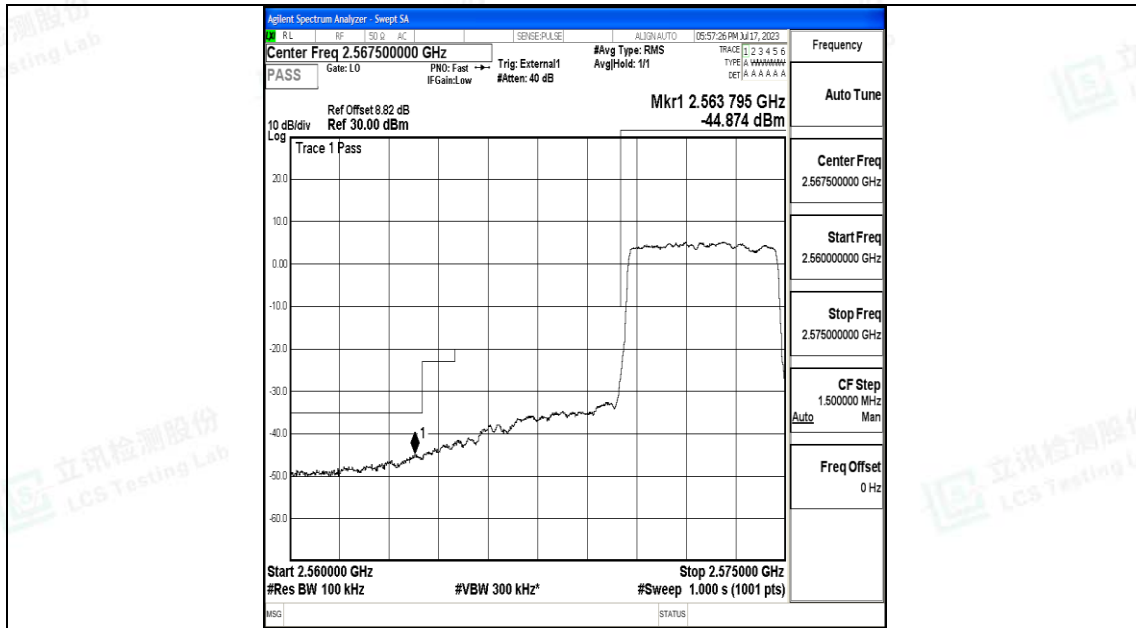
H.4 Band Edge

Test Result

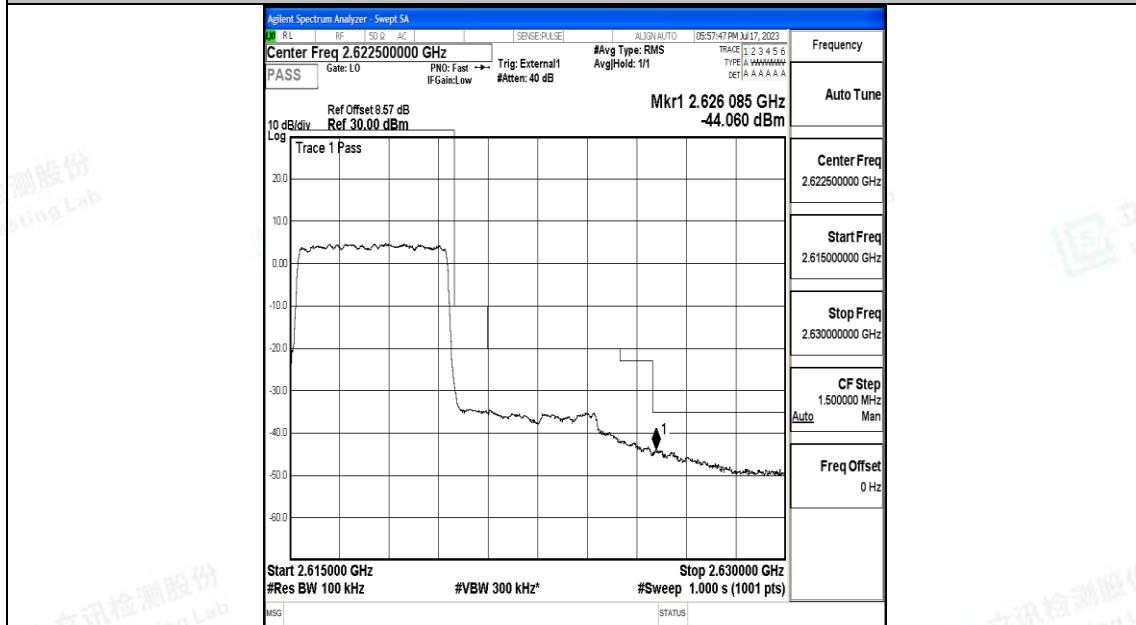
Band	Bandwidth	Modulation	Channel	RB Configuration	Peak Frequency	Result(dBm)	Verdict
Band38	5MHz	QPSK	37775	25RB#0	2563.78	-44.15	PASS
Band38	5MHz	16QAM	37775	25RB#0	2563.80	-44.87	PASS
Band38	5MHz	QPSK	38225	25RB#0	2626.09	-44.06	PASS
Band38	5MHz	16QAM	38225	25RB#0	2626.09	-44.65	PASS
Band38	10MHz	QPSK	37800	50RB#0	2559.85	-41.42	PASS
Band38	10MHz	16QAM	37800	50RB#0	2559.98	-41.16	PASS
Band38	10MHz	QPSK	38200	50RB#0	2630.55	-40.53	PASS
Band38	10MHz	16QAM	38200	50RB#0	2630.05	-40.07	PASS
Band38	15MHz	QPSK	37825	75RB#0	2554.66	-39.19	PASS
Band38	15MHz	16QAM	37825	75RB#0	2554.73	-38.59	PASS
Band38	15MHz	QPSK	38175	75RB#0	2635.10	-39.70	PASS
Band38	15MHz	16QAM	38175	75RB#0	2636.05	-39.09	PASS
Band38	20MHz	QPSK	37850	100RB#0	2549.91	-39.66	PASS
Band38	20MHz	16QAM	37850	100RB#0	2549.73	-39.59	PASS
Band38	20MHz	QPSK	38150	100RB#0	2640.55	-39.91	PASS
Band38	20MHz	16QAM	38150	100RB#0	2640.01	-39.53	PASS

Test Graphs



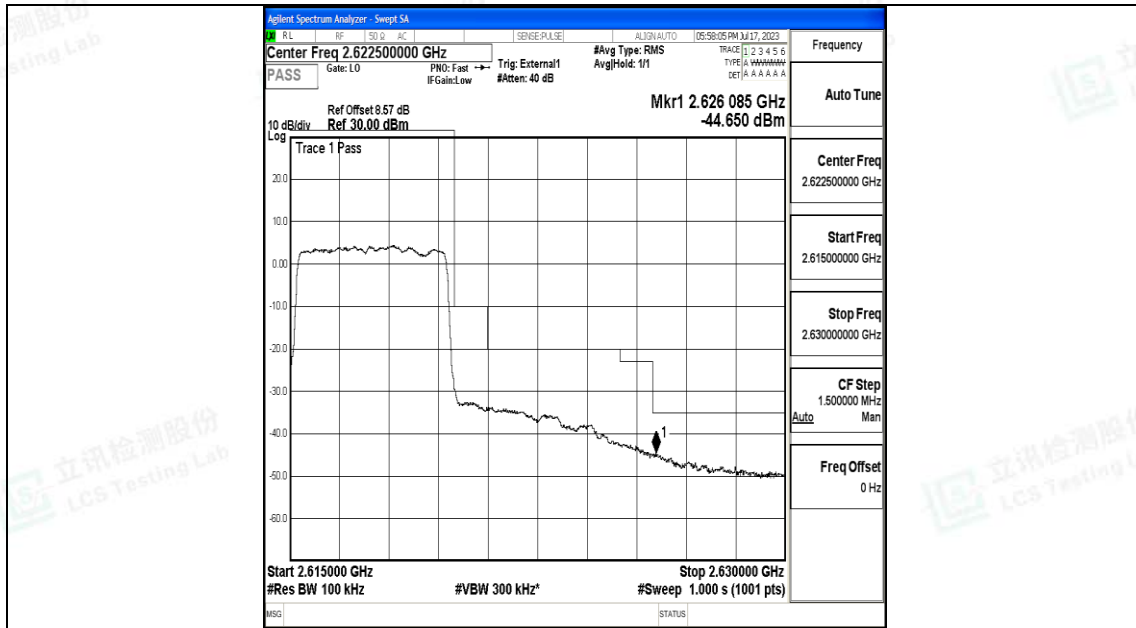


Band38_5MHz_16QAM_37775_25RB#0

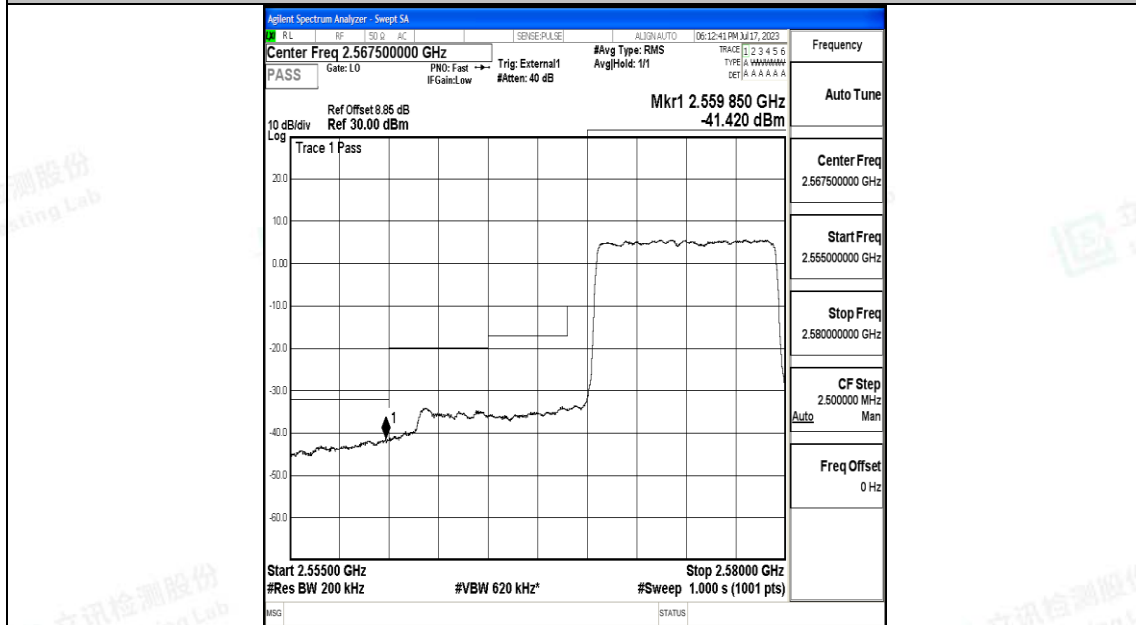


Band38_5MHz_QPSK_38225_25RB#0



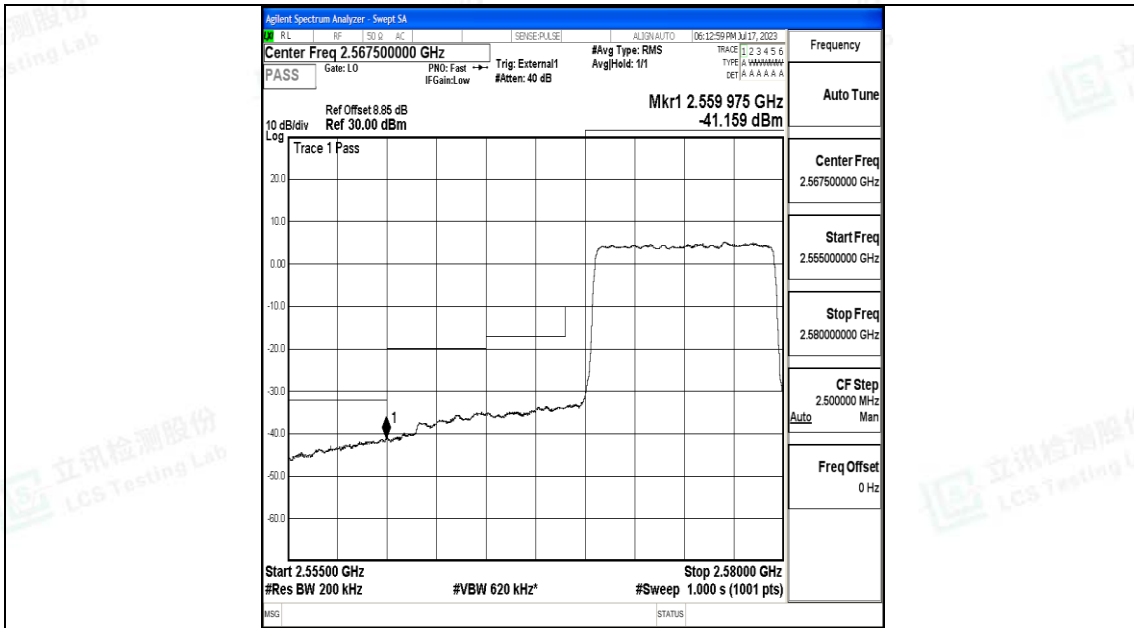


Band38_5MHz_16QAM_38225_25RB#0

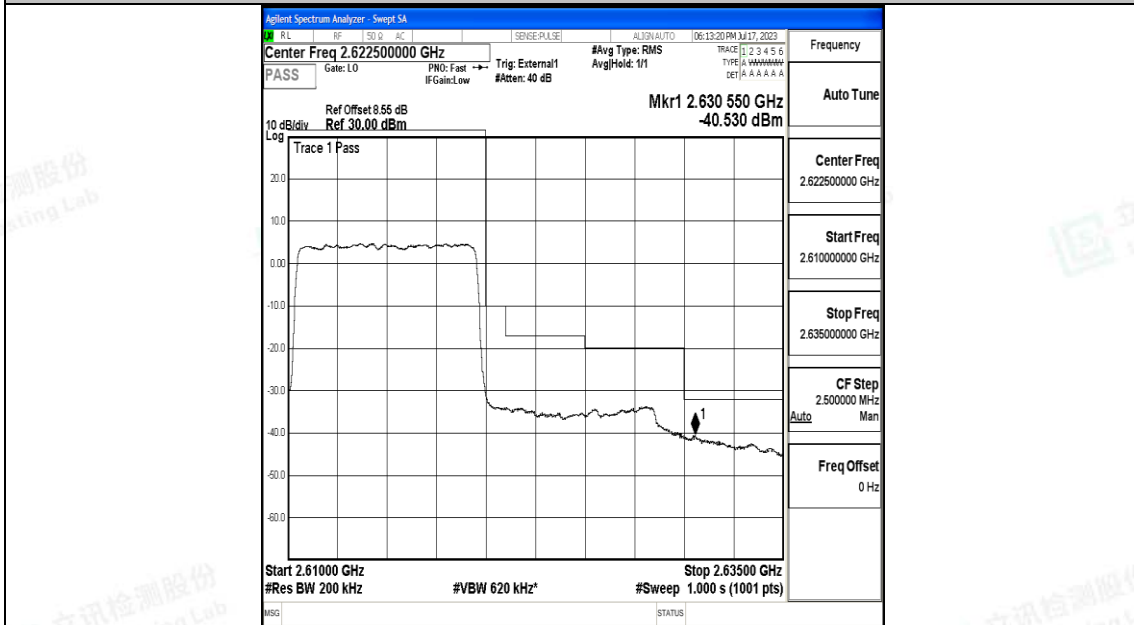


Band38_10MHz_QPSK_37800_50RB#0



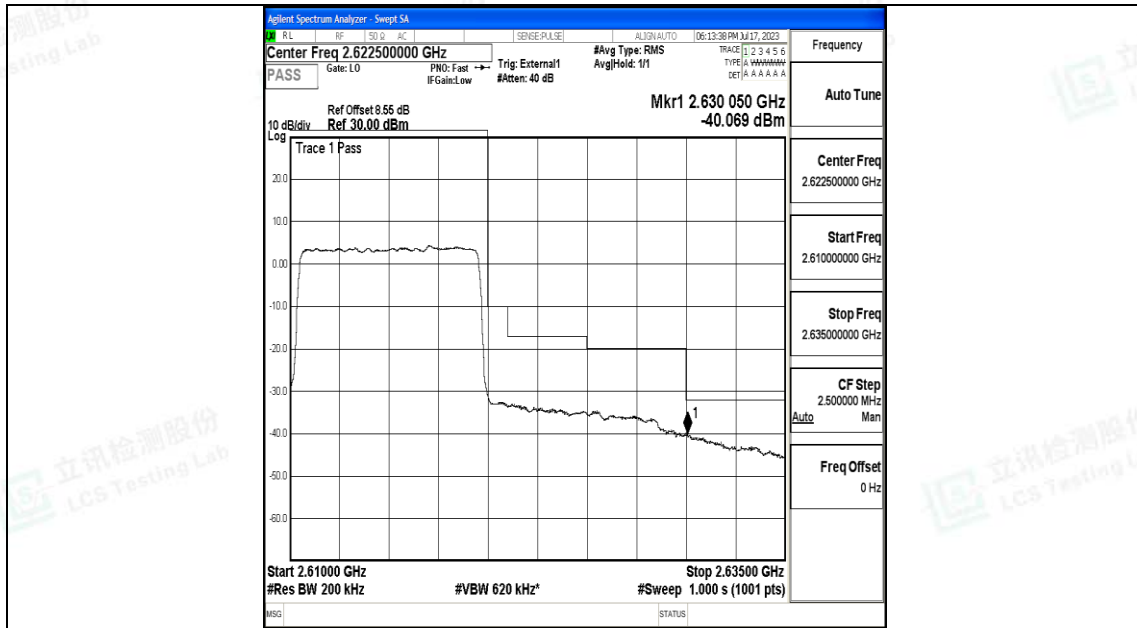


Band38_10MHz_16QAM_37800_50RB#0

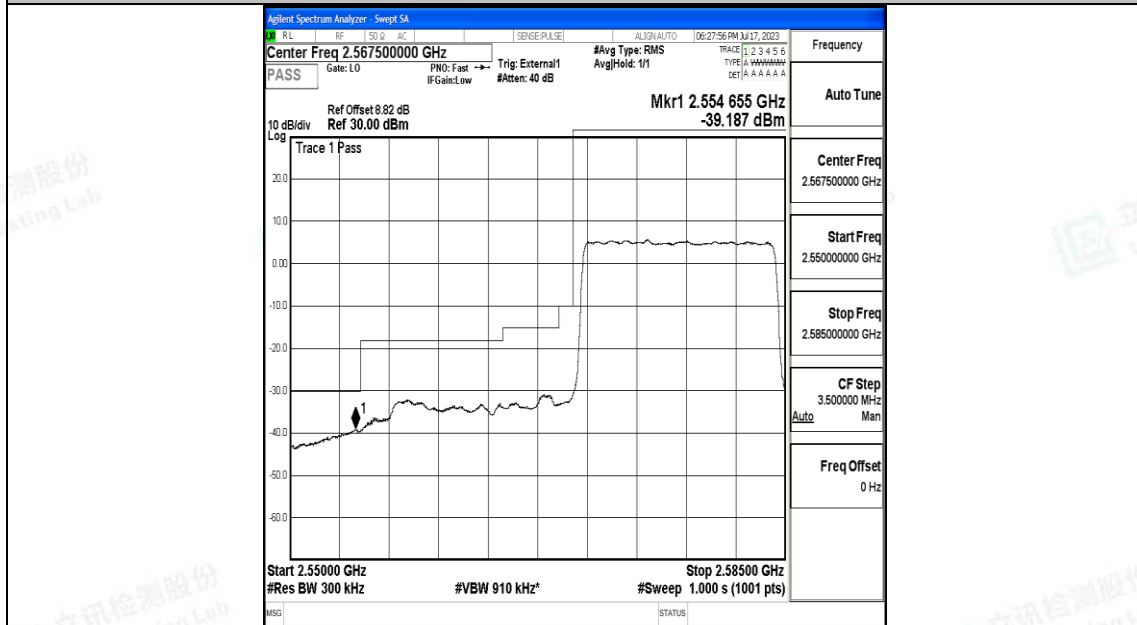


Band38_10MHz_QPSK_38200_50RB#0



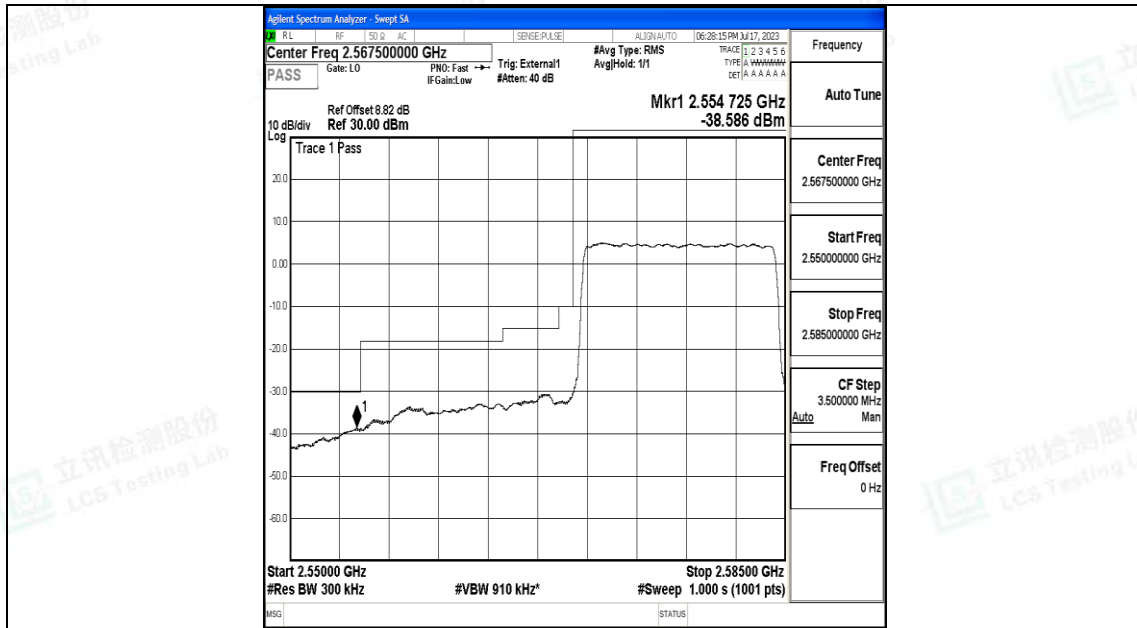


Band38_10MHz_16QAM_38200_50RB#0

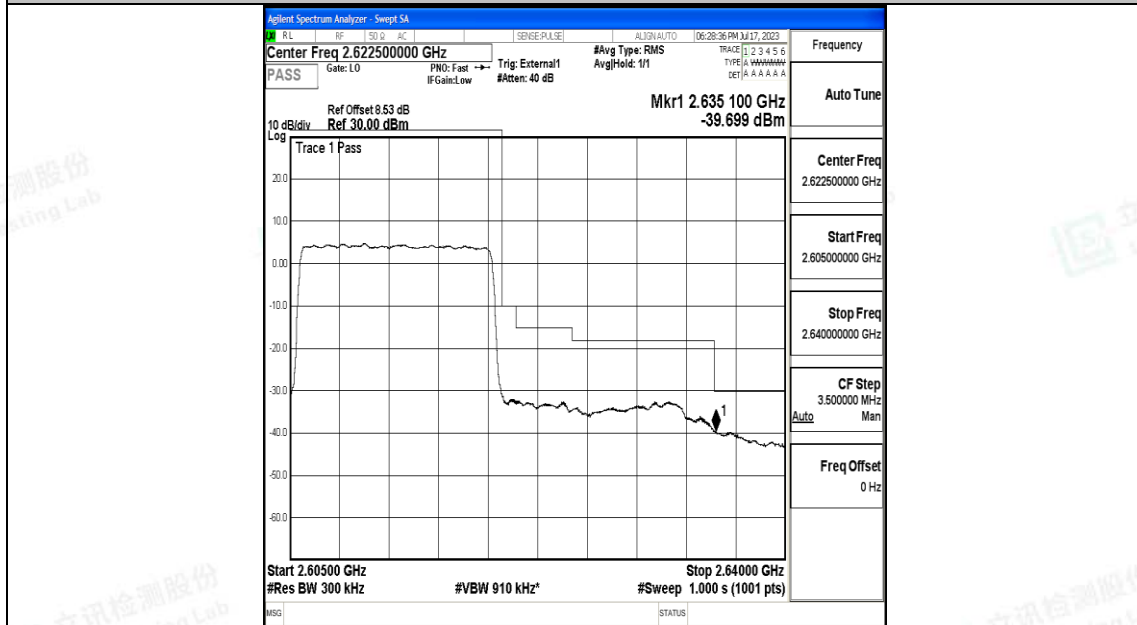


Band38_15MHz_QPSK_37825_75RB#0



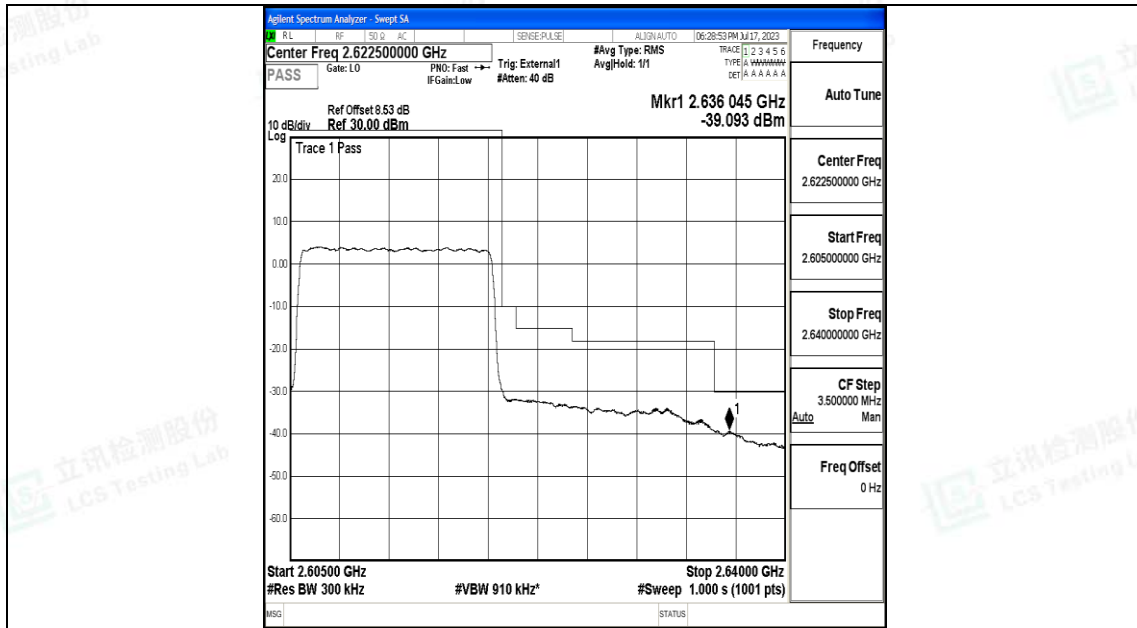


Band38_15MHz_16QAM_37825_75RB#0

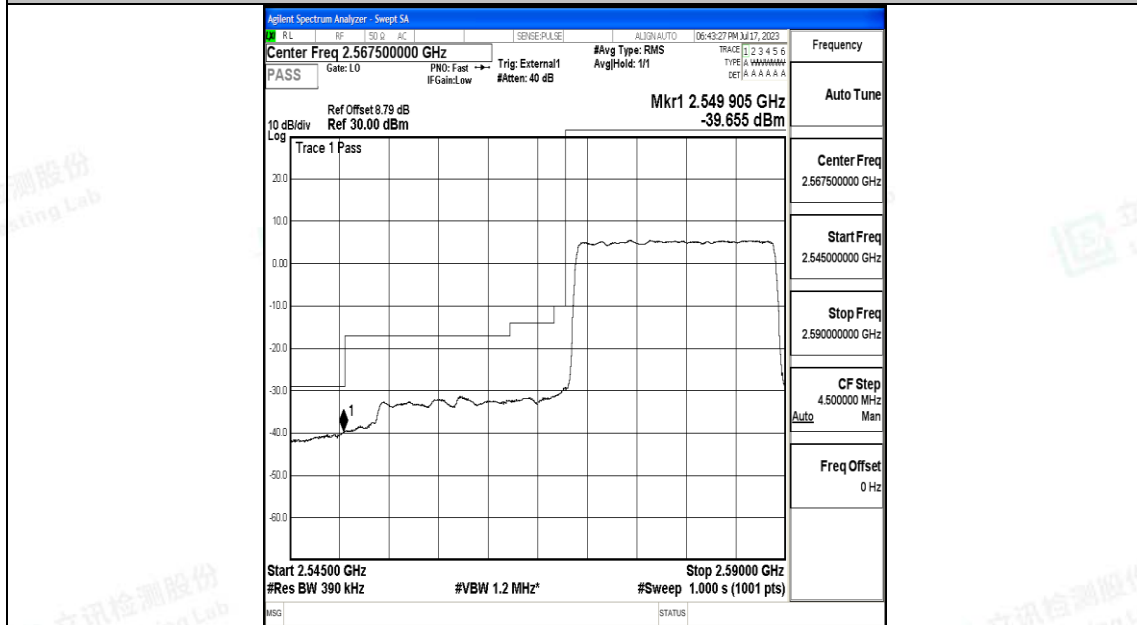


Band38_15MHz_QPSK_38175_75RB#0



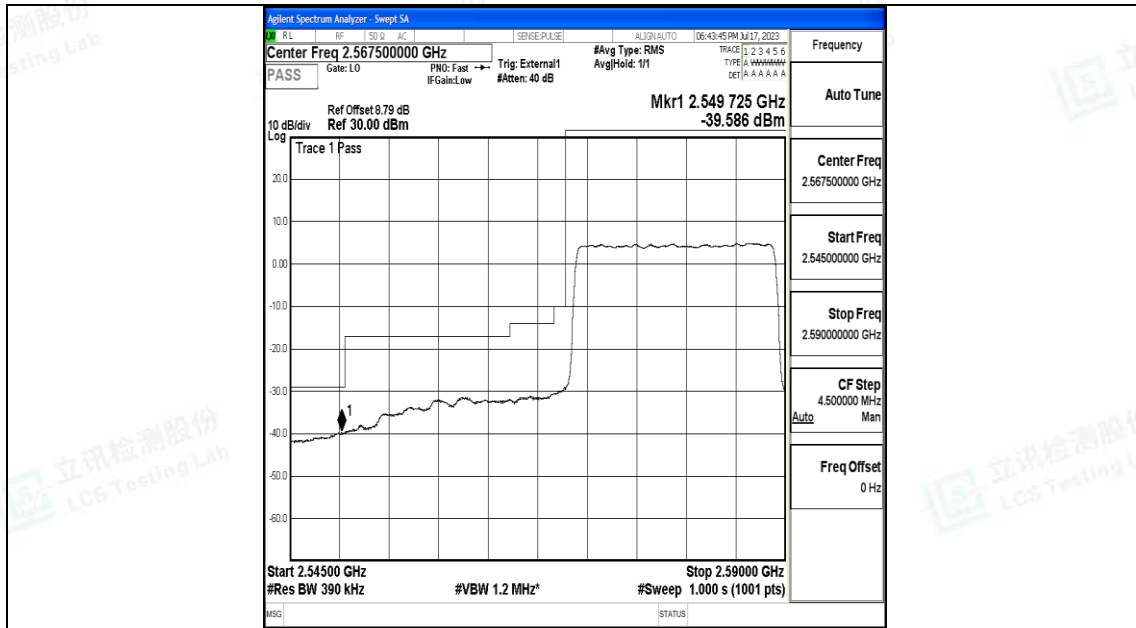


Band38_15MHz_16QAM_38175_75RB#0

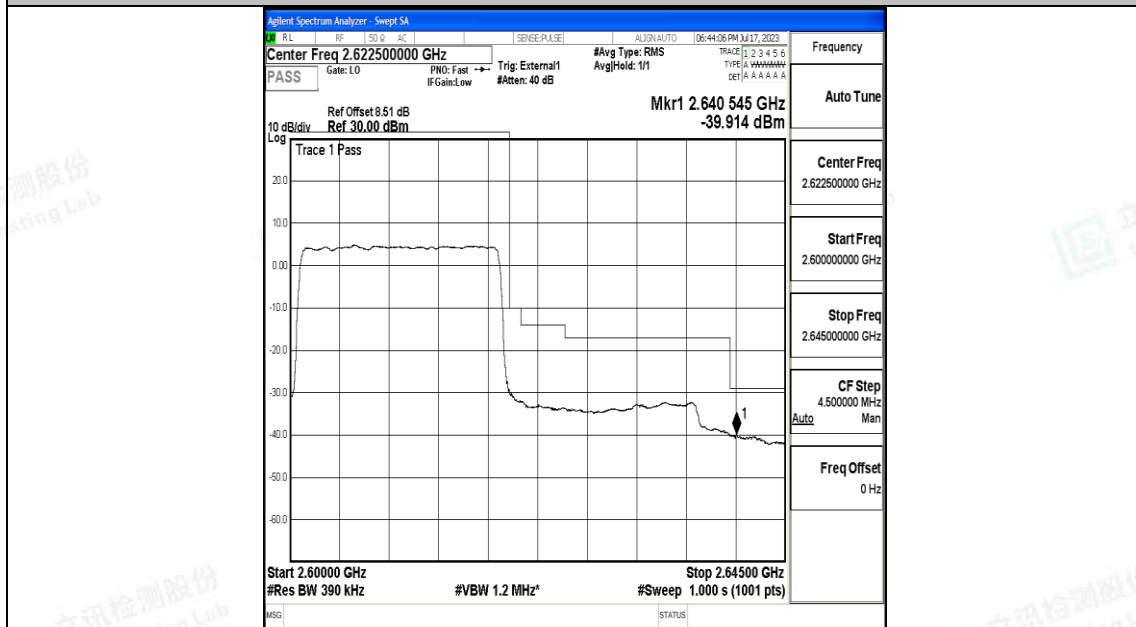


Band38_20MHz_QPSK_37850_100RB#0



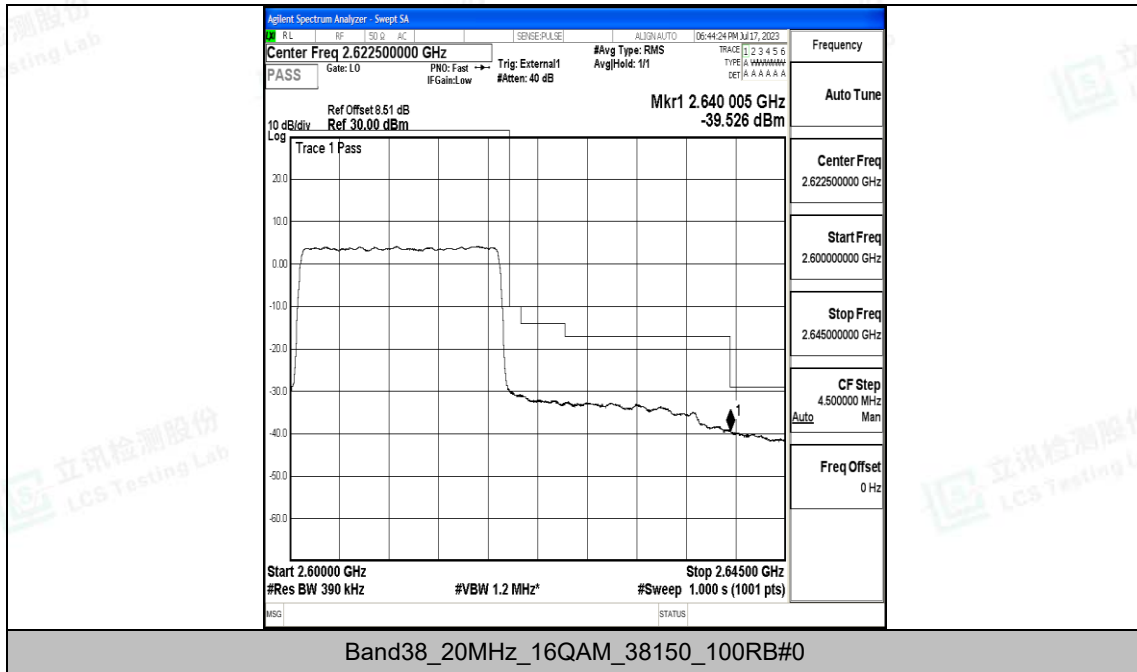


Band38_20MHz_16QAM_37850_100RB#0



Band38_20MHz_QPSK_38150_100RB#0







H.5 Conducted Spurious Emission

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band38	5MHz	QPSK	37775	1RB#0	0.009~0.15	-67.93	PASS
Band38	5MHz	QPSK	37775	1RB#0	0.15~30	-49.71	PASS
Band38	5MHz	QPSK	37775	1RB#0	30~1000	-54.34	PASS
Band38	5MHz	QPSK	37775	1RB#0	1000~20000	-33.40	PASS
Band38	5MHz	QPSK	37775	1RB#0	20000~27000	-45.50	PASS
Band38	5MHz	16QAM	37775	1RB#0	0.009~0.15	-66.13	PASS
Band38	5MHz	16QAM	37775	1RB#0	0.15~30	-53.12	PASS
Band38	5MHz	16QAM	37775	1RB#0	30~1000	-54.42	PASS
Band38	5MHz	16QAM	37775	1RB#0	1000~20000	-32.98	PASS
Band38	5MHz	16QAM	37775	1RB#0	20000~27000	-45.29	PASS
Band38	5MHz	QPSK	38000	1RB#0	0.009~0.15	-64.15	PASS
Band38	5MHz	QPSK	38000	1RB#0	0.15~30	-53.29	PASS
Band38	5MHz	QPSK	38000	1RB#0	30~1000	-54.47	PASS
Band38	5MHz	QPSK	38000	1RB#0	1000~20000	-33.30	PASS
Band38	5MHz	QPSK	38000	1RB#0	20000~27000	-45.42	PASS
Band38	5MHz	16QAM	38000	1RB#0	0.009~0.15	-68.59	PASS
Band38	5MHz	16QAM	38000	1RB#0	0.15~30	-51.33	PASS
Band38	5MHz	16QAM	38000	1RB#0	30~1000	-54.36	PASS
Band38	5MHz	16QAM	38000	1RB#0	1000~20000	-32.97	PASS
Band38	5MHz	16QAM	38000	1RB#0	20000~27000	-45.43	PASS
Band38	5MHz	QPSK	38225	1RB#0	0.009~0.15	-67.99	PASS
Band38	5MHz	QPSK	38225	1RB#0	0.15~30	-53.32	PASS
Band38	5MHz	QPSK	38225	1RB#0	30~1000	-54.34	PASS
Band38	5MHz	QPSK	38225	1RB#0	1000~20000	-33.22	PASS
Band38	5MHz	QPSK	38225	1RB#0	20000~27000	-45.51	PASS
Band38	5MHz	16QAM	38225	1RB#0	0.009~0.15	-68.40	PASS
Band38	5MHz	16QAM	38225	1RB#0	0.15~30	-51.06	PASS
Band38	5MHz	16QAM	38225	1RB#0	30~1000	-54.45	PASS
Band38	5MHz	16QAM	38225	1RB#0	1000~20000	-33.25	PASS
Band38	5MHz	16QAM	38225	1RB#0	20000~27000	-45.37	PASS
Band38	10MHz	QPSK	37800	1RB#0	0.009~0.15	-66.93	PASS
Band38	10MHz	QPSK	37800	1RB#0	0.15~30	-50.99	PASS
Band38	10MHz	QPSK	37800	1RB#0	30~1000	-54.32	PASS
Band38	10MHz	QPSK	37800	1RB#0	1000~20000	-33.45	PASS
Band38	10MHz	QPSK	37800	1RB#0	20000~27000	-45.45	PASS





Band38	10MHz	16QAM	37800	1RB#0	0.009~0.15	-69.96	PASS
Band38	10MHz	16QAM	37800	1RB#0	0.15~30	-49.27	PASS
Band38	10MHz	16QAM	37800	1RB#0	30~1000	-54.35	PASS
Band38	10MHz	16QAM	37800	1RB#0	1000~20000	-33.06	PASS
Band38	10MHz	16QAM	37800	1RB#0	20000~27000	-45.46	PASS
Band38	10MHz	QPSK	38000	1RB#0	0.009~0.15	-69.15	PASS
Band38	10MHz	QPSK	38000	1RB#0	0.15~30	-51.99	PASS
Band38	10MHz	QPSK	38000	1RB#0	30~1000	-54.41	PASS
Band38	10MHz	QPSK	38000	1RB#0	1000~20000	-33.10	PASS
Band38	10MHz	QPSK	38000	1RB#0	20000~27000	-45.66	PASS
Band38	10MHz	16QAM	38000	1RB#0	0.009~0.15	-69.15	PASS
Band38	10MHz	16QAM	38000	1RB#0	0.15~30	-51.18	PASS
Band38	10MHz	16QAM	38000	1RB#0	30~1000	-54.23	PASS
Band38	10MHz	16QAM	38000	1RB#0	1000~20000	-33.02	PASS
Band38	10MHz	16QAM	38000	1RB#0	20000~27000	-45.28	PASS
Band38	10MHz	QPSK	38200	1RB#0	0.009~0.15	-68.64	PASS
Band38	10MHz	QPSK	38200	1RB#0	0.15~30	-52.15	PASS
Band38	10MHz	QPSK	38200	1RB#0	30~1000	-54.34	PASS
Band38	10MHz	QPSK	38200	1RB#0	1000~20000	-33.37	PASS
Band38	10MHz	QPSK	38200	1RB#0	20000~27000	-45.15	PASS
Band38	10MHz	16QAM	38200	1RB#0	0.009~0.15	-69.07	PASS
Band38	10MHz	16QAM	38200	1RB#0	0.15~30	-52.58	PASS
Band38	10MHz	16QAM	38200	1RB#0	30~1000	-54.38	PASS
Band38	10MHz	16QAM	38200	1RB#0	1000~20000	-33.21	PASS
Band38	10MHz	16QAM	38200	1RB#0	20000~27000	-45.42	PASS
Band38	15MHz	QPSK	37825	1RB#0	0.009~0.15	-67.32	PASS
Band38	15MHz	QPSK	37825	1RB#0	0.15~30	-53.42	PASS
Band38	15MHz	QPSK	37825	1RB#0	30~1000	-54.40	PASS
Band38	15MHz	QPSK	37825	1RB#0	1000~20000	-33.20	PASS
Band38	15MHz	QPSK	37825	1RB#0	20000~27000	-45.51	PASS
Band38	15MHz	16QAM	37825	1RB#0	0.009~0.15	-68.28	PASS
Band38	15MHz	16QAM	37825	1RB#0	0.15~30	-49.69	PASS
Band38	15MHz	16QAM	37825	1RB#0	30~1000	-54.42	PASS
Band38	15MHz	16QAM	37825	1RB#0	1000~20000	-33.06	PASS
Band38	15MHz	QPSK	38000	1RB#0	0.009~0.15	-67.84	PASS
Band38	15MHz	QPSK	38000	1RB#0	0.15~30	-52.57	PASS
Band38	15MHz	QPSK	38000	1RB#0	30~1000	-54.36	PASS
Band38	15MHz	QPSK	38000	1RB#0	1000~20000	-33.04	PASS
Band38	15MHz	QPSK	38000	1RB#0	20000~27000	-45.19	PASS
Band38	15MHz	16QAM	38000	1RB#0	0.009~0.15	-66.54	PASS





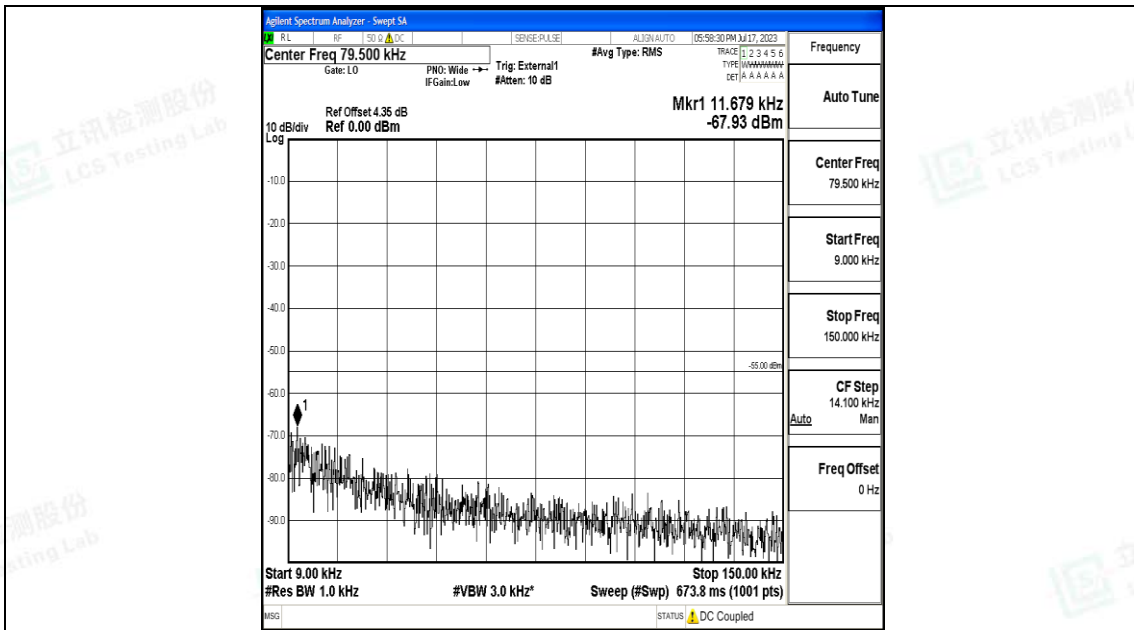
Band38	15MHz	16QAM	38000	1RB#0	0.15~30	-52.02	PASS
Band38	15MHz	16QAM	38000	1RB#0	30~1000	-54.33	PASS
Band38	15MHz	16QAM	38000	1RB#0	1000~20000	-33.24	PASS
Band38	15MHz	16QAM	38000	1RB#0	20000~27000	-45.73	PASS
Band38	15MHz	QPSK	38175	1RB#0	0.009~0.15	-69.38	PASS
Band38	15MHz	QPSK	38175	1RB#0	0.15~30	-51.49	PASS
Band38	15MHz	QPSK	38175	1RB#0	30~1000	-54.33	PASS
Band38	15MHz	QPSK	38175	1RB#0	1000~20000	-33.37	PASS
Band38	15MHz	QPSK	38175	1RB#0	20000~27000	-45.40	PASS
Band38	15MHz	16QAM	38175	1RB#0	0.009~0.15	-67.95	PASS
Band38	15MHz	16QAM	38175	1RB#0	0.15~30	-52.00	PASS
Band38	15MHz	16QAM	38175	1RB#0	30~1000	-54.37	PASS
Band38	15MHz	16QAM	38175	1RB#0	1000~20000	-33.25	PASS
Band38	15MHz	16QAM	38175	1RB#0	20000~27000	-45.60	PASS
Band38	20MHz	QPSK	37850	1RB#0	0.009~0.15	-66.47	PASS
Band38	20MHz	QPSK	37850	1RB#0	0.15~30	-50.20	PASS
Band38	20MHz	QPSK	37850	1RB#0	30~1000	-54.44	PASS
Band38	20MHz	QPSK	37850	1RB#0	1000~20000	-33.35	PASS
Band38	20MHz	QPSK	37850	1RB#0	20000~27000	-45.16	PASS
Band38	20MHz	16QAM	37850	1RB#0	0.009~0.15	-66.11	PASS
Band38	20MHz	16QAM	37850	1RB#0	0.15~30	-50.55	PASS
Band38	20MHz	16QAM	37850	1RB#0	30~1000	-54.32	PASS
Band38	20MHz	16QAM	37850	1RB#0	1000~20000	-33.06	PASS
Band38	20MHz	16QAM	37850	1RB#0	20000~27000	-45.09	PASS
Band38	20MHz	QPSK	38000	1RB#0	0.009~0.15	-70.28	PASS
Band38	20MHz	QPSK	38000	1RB#0	0.15~30	-51.36	PASS
Band38	20MHz	QPSK	38000	1RB#0	30~1000	-54.41	PASS
Band38	20MHz	QPSK	38000	1RB#0	1000~20000	-33.40	PASS
Band38	20MHz	QPSK	38000	1RB#0	20000~27000	-45.65	PASS
Band38	20MHz	16QAM	38000	1RB#0	0.009~0.15	-68.38	PASS
Band38	20MHz	16QAM	38000	1RB#0	0.15~30	-51.47	PASS
Band38	20MHz	16QAM	38000	1RB#0	30~1000	-54.36	PASS
Band38	20MHz	16QAM	38000	1RB#0	1000~20000	-33.06	PASS
Band38	20MHz	16QAM	38000	1RB#0	20000~27000	-44.63	PASS
Band38	20MHz	QPSK	38150	1RB#0	0.009~0.15	-69.75	PASS
Band38	20MHz	QPSK	38150	1RB#0	0.15~30	-50.62	PASS
Band38	20MHz	QPSK	38150	1RB#0	30~1000	-54.24	PASS
Band38	20MHz	QPSK	38150	1RB#0	1000~20000	-33.30	PASS
Band38	20MHz	QPSK	38150	1RB#0	20000~27000	-45.60	PASS
Band38	20MHz	16QAM	38150	1RB#0	0.009~0.15	-67.04	PASS



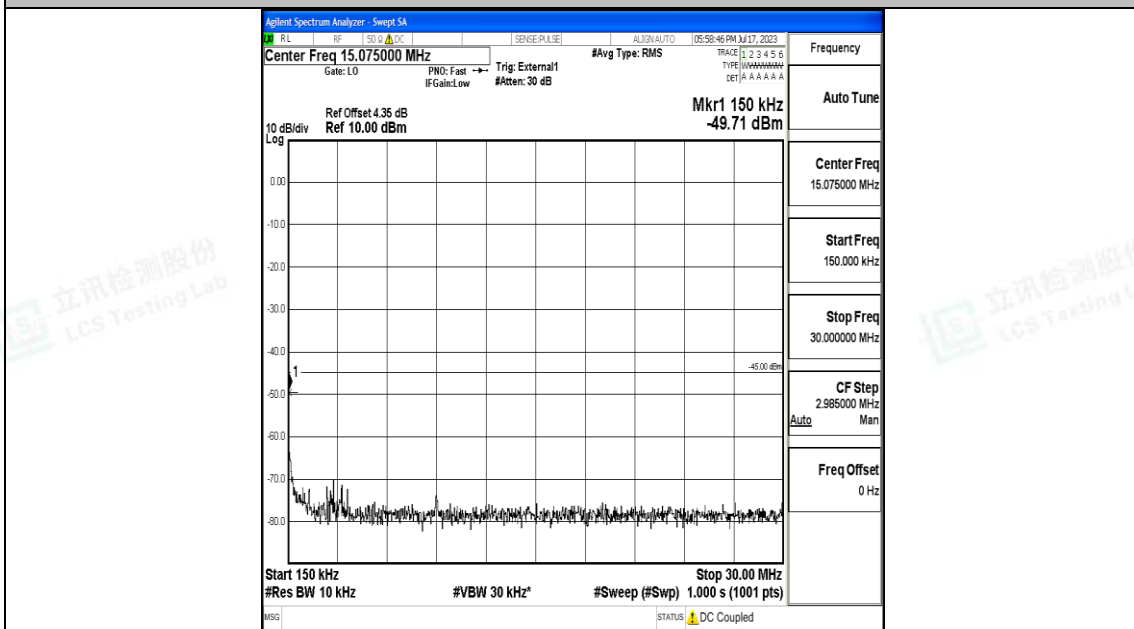


Band38	20MHz	16QAM	38150	1RB#0	0.15~30	-50.41	PASS
Band38	20MHz	16QAM	38150	1RB#0	30~1000	-54.37	PASS
Band38	20MHz	16QAM	38150	1RB#0	1000~20000	-32.89	PASS
Band38	15MHz	16QAM	37825	1RB#0	20000~27000	-45.65	PASS
Band38	20MHz	16QAM	38150	1RB#0	20000~27000	-45.11	PASS

Test Graphs

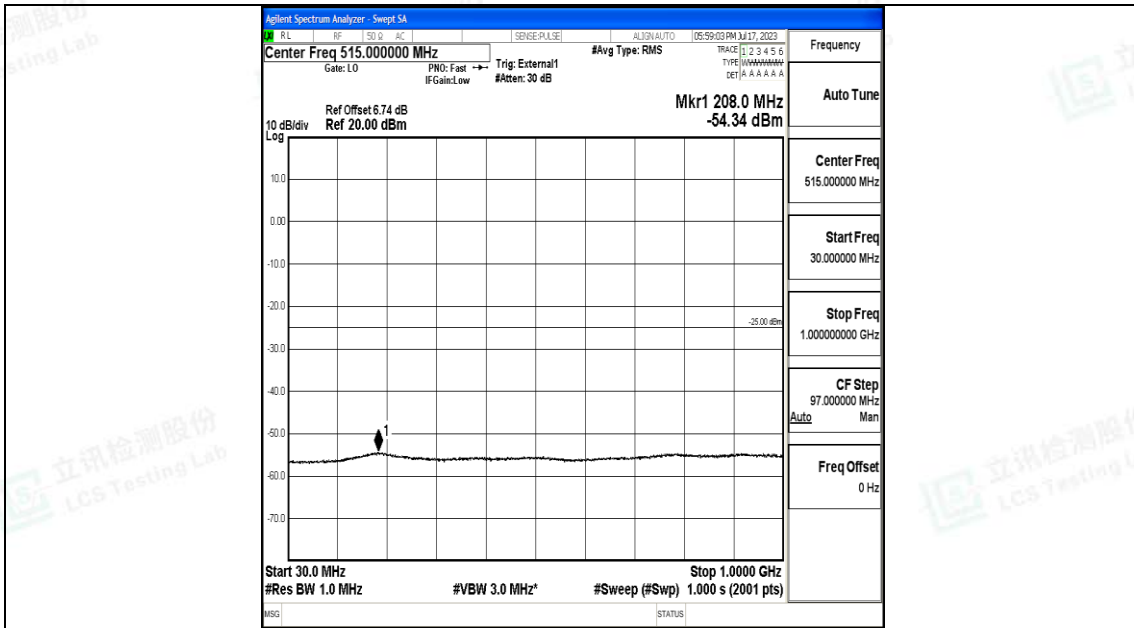


Band38_5MHz_QPSK_37775_1RB#0_0.009~0.15_0.009~0.15

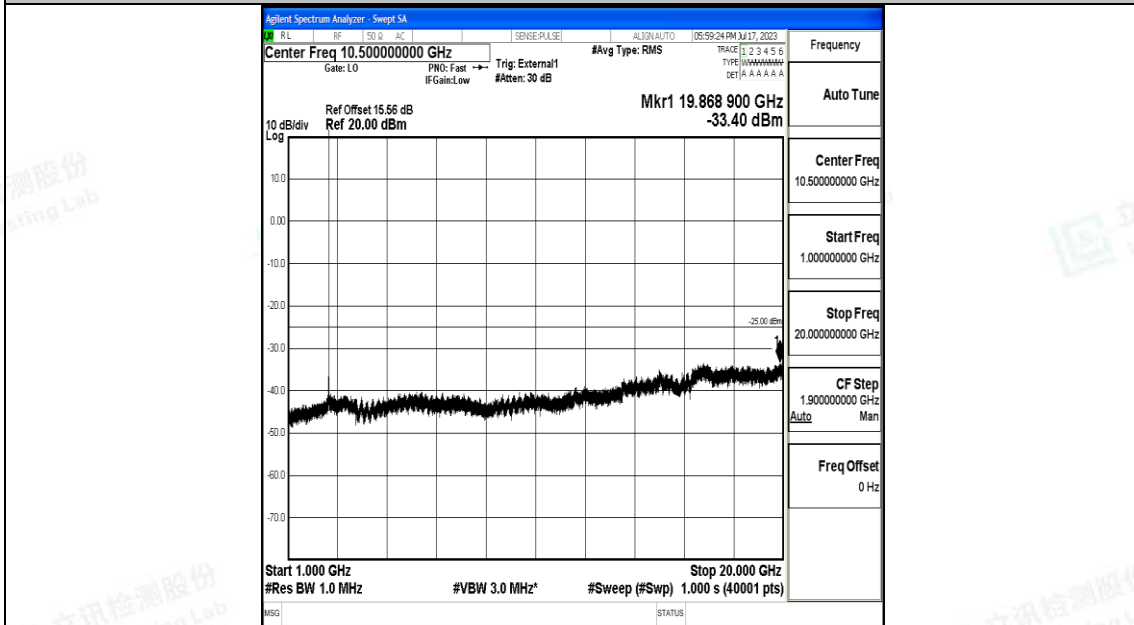


Band38_5MHz_QPSK_37775_1RB#0_0.15~30_0.15~30



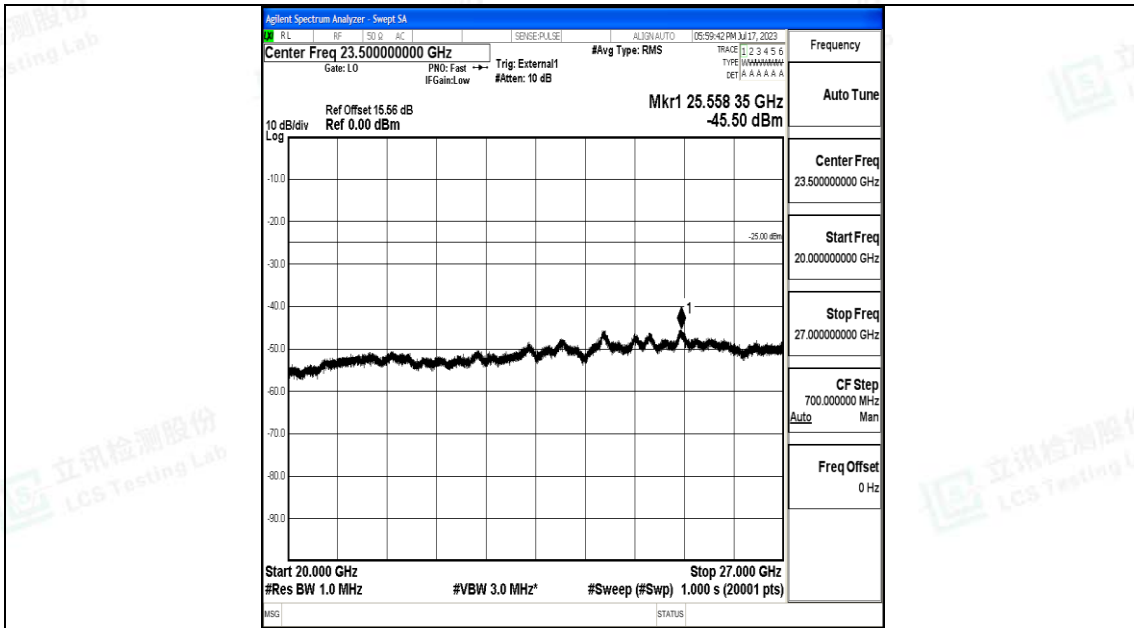


Band38_5MHz_QPSK_37775_1RB#0_30~1000_30~1000

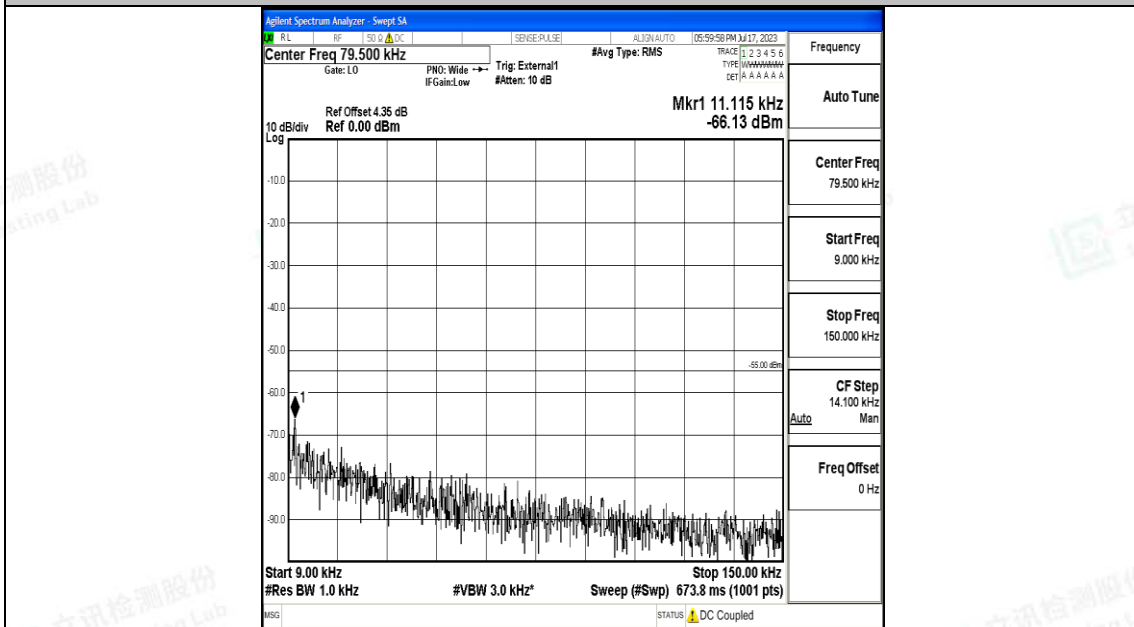


Band38_5MHz_QPSK_37775_1RB#0_1000~20000_1000~20000



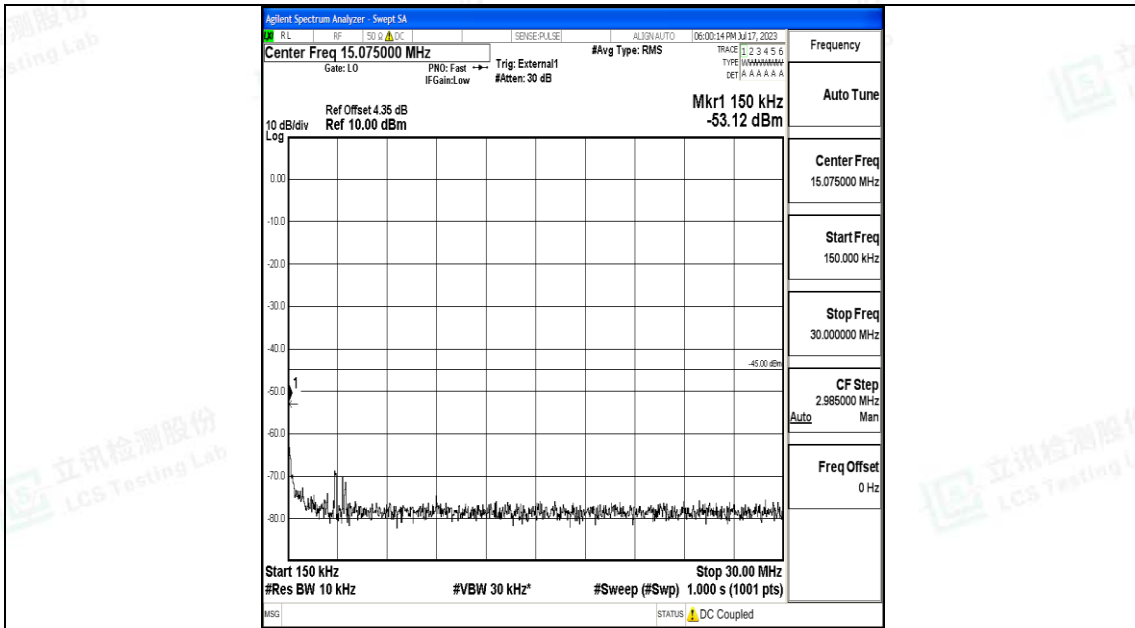


Band38_5MHz_QPSK_37775_1RB#0_20000~27000_20000~27000

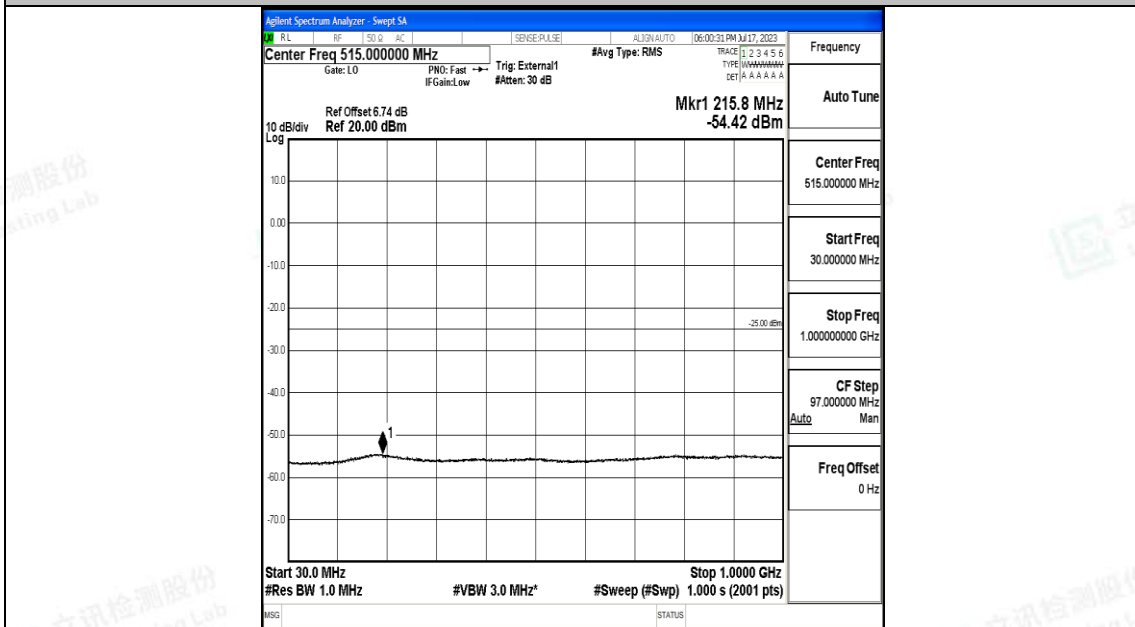


Band38_5MHz_16QAM_37775_1RB#0_0.009~0.15_0.009~0.15



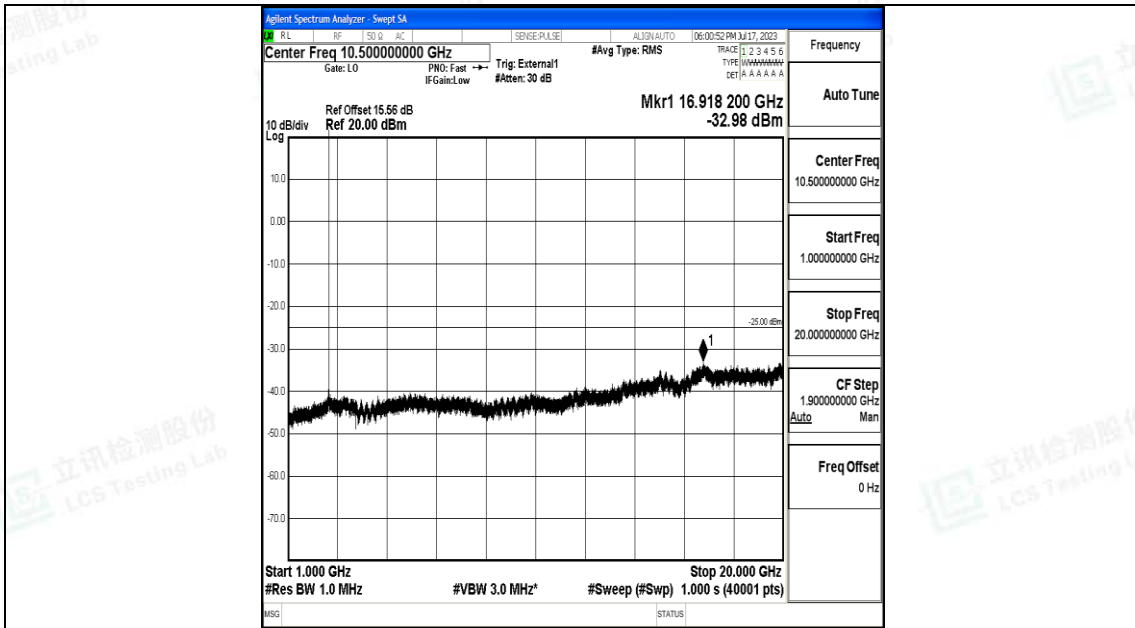


Band38_5MHz_16QAM_37775_1RB#0_0.15~30_0.15~30

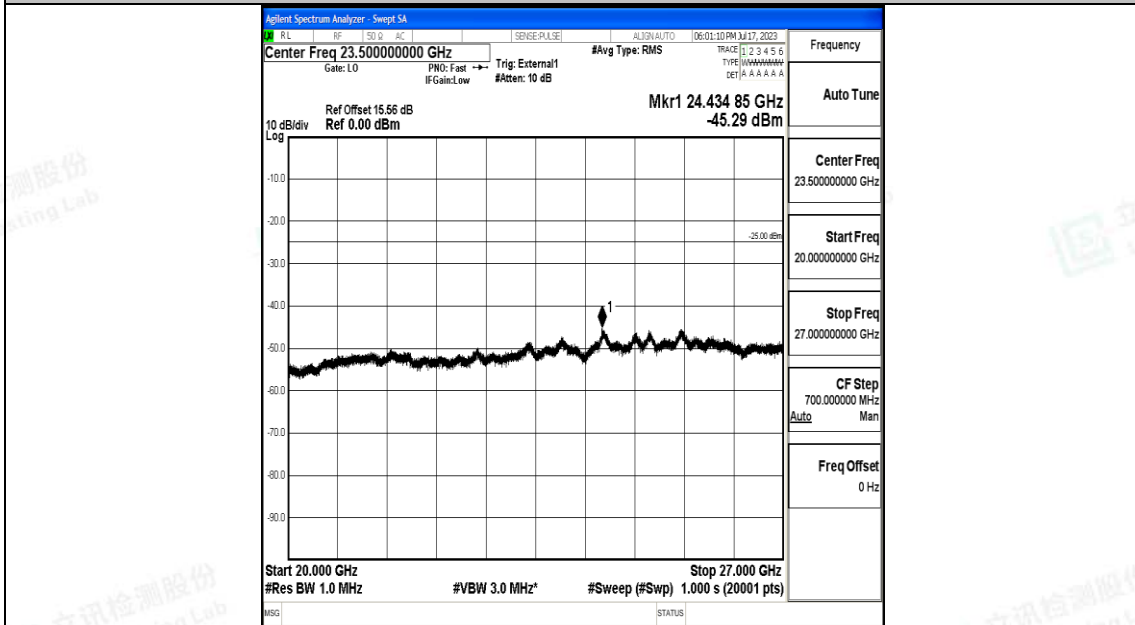


Band38_5MHz_16QAM_37775_1RB#0_30~1000_30~1000



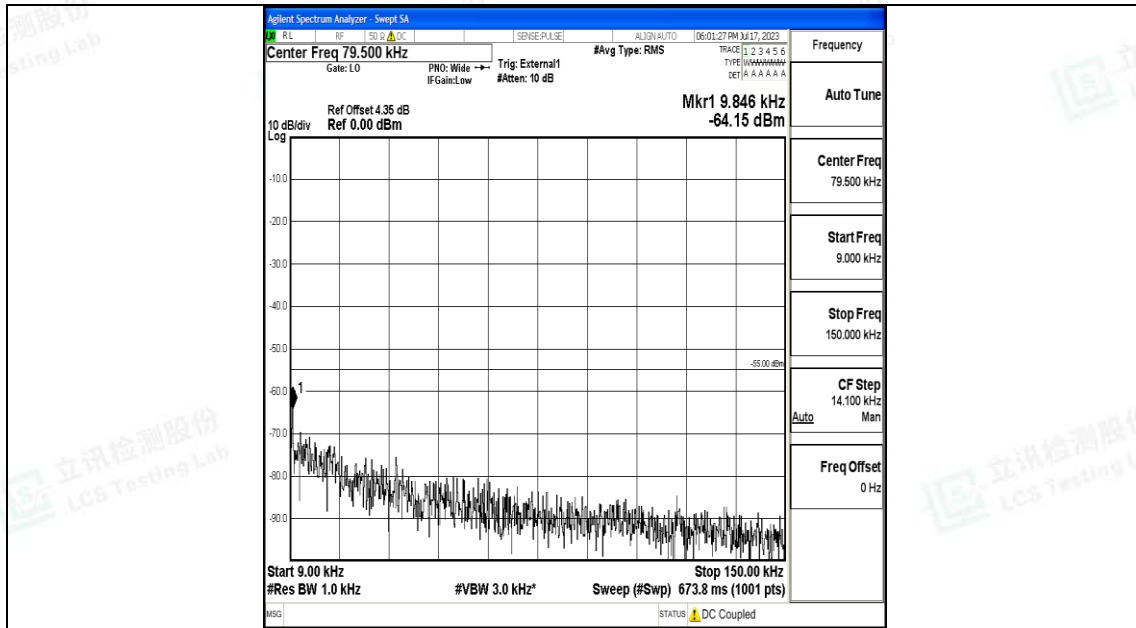


Band38_5MHz_16QAM_37775_1RB#0_1000~20000_1000~20000

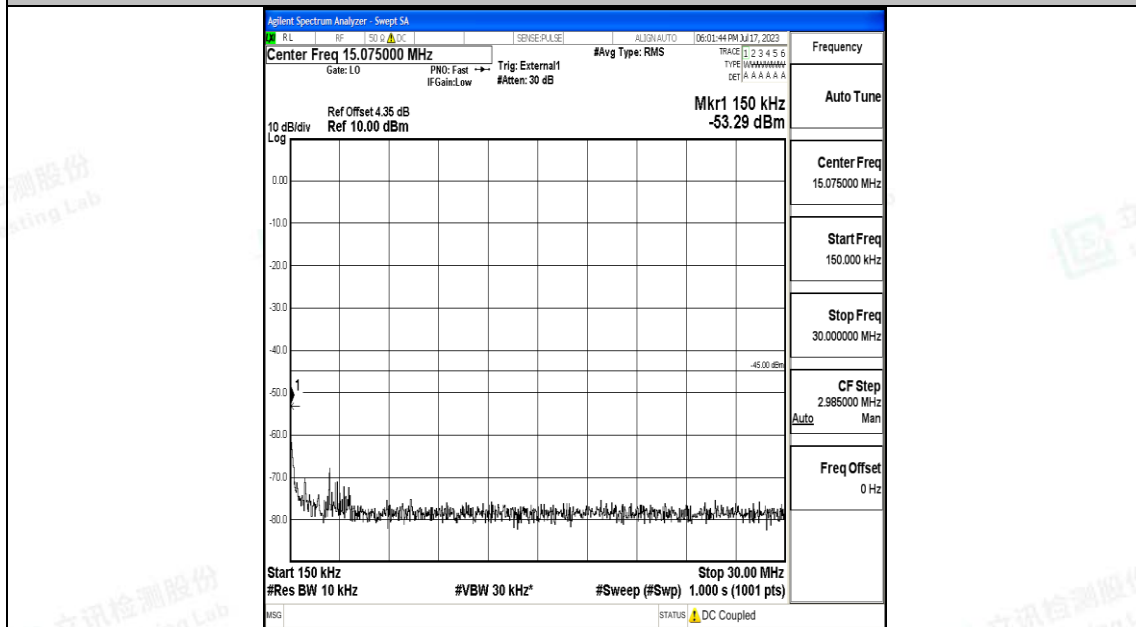


Band38_5MHz_16QAM_37775_1RB#0_20000~27000_20000~27000



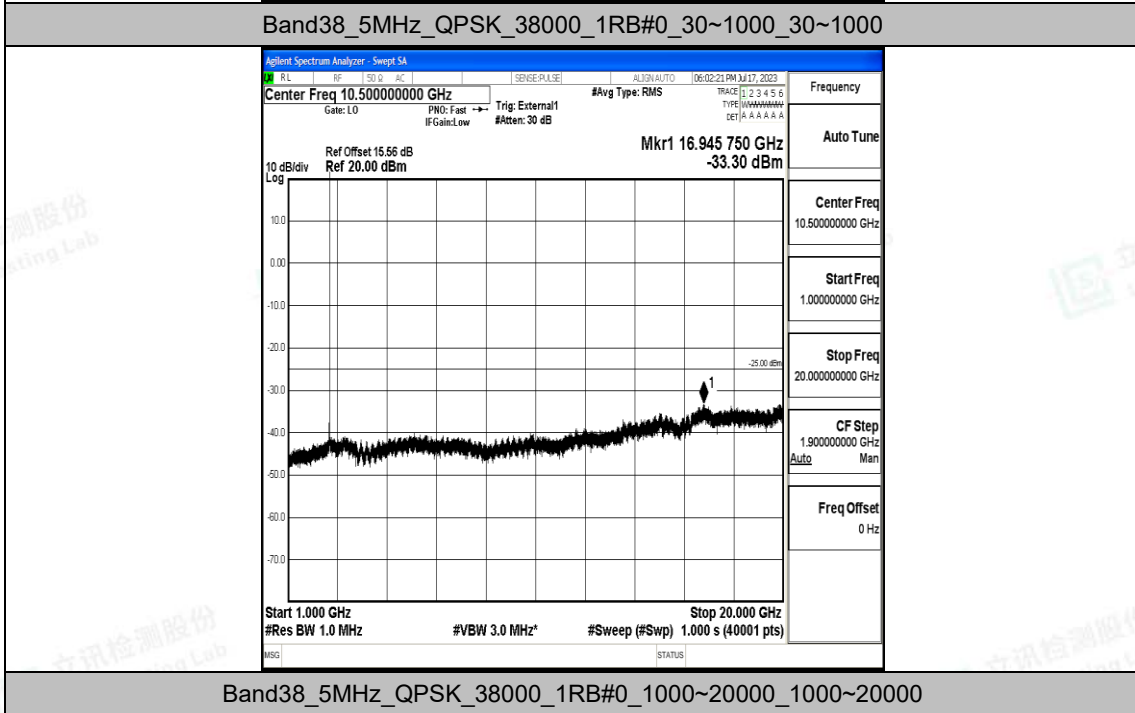
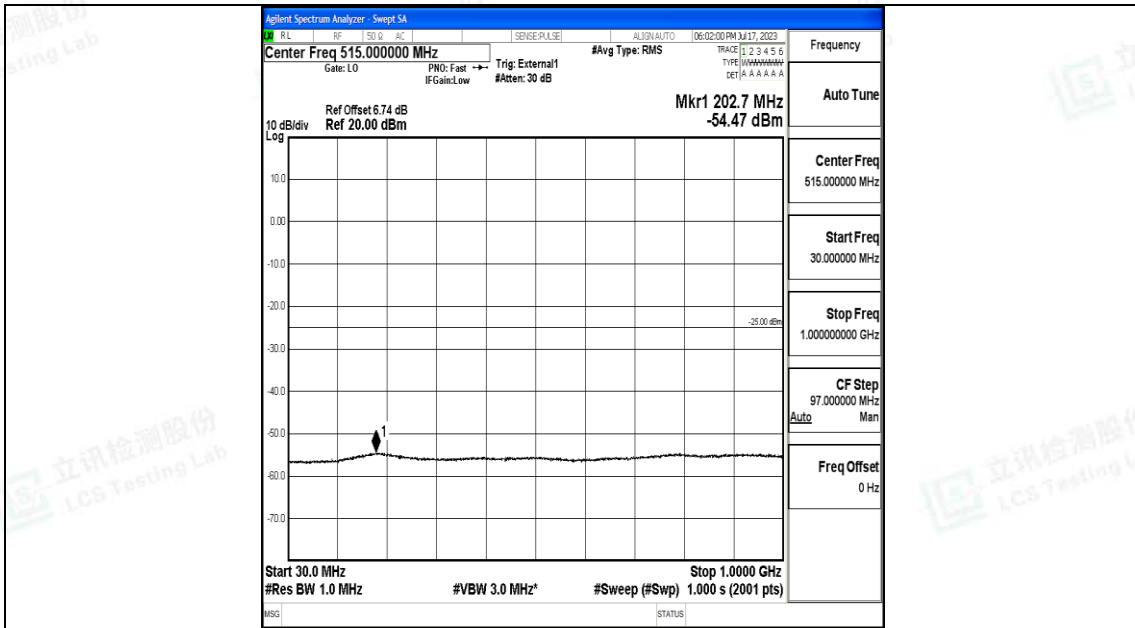


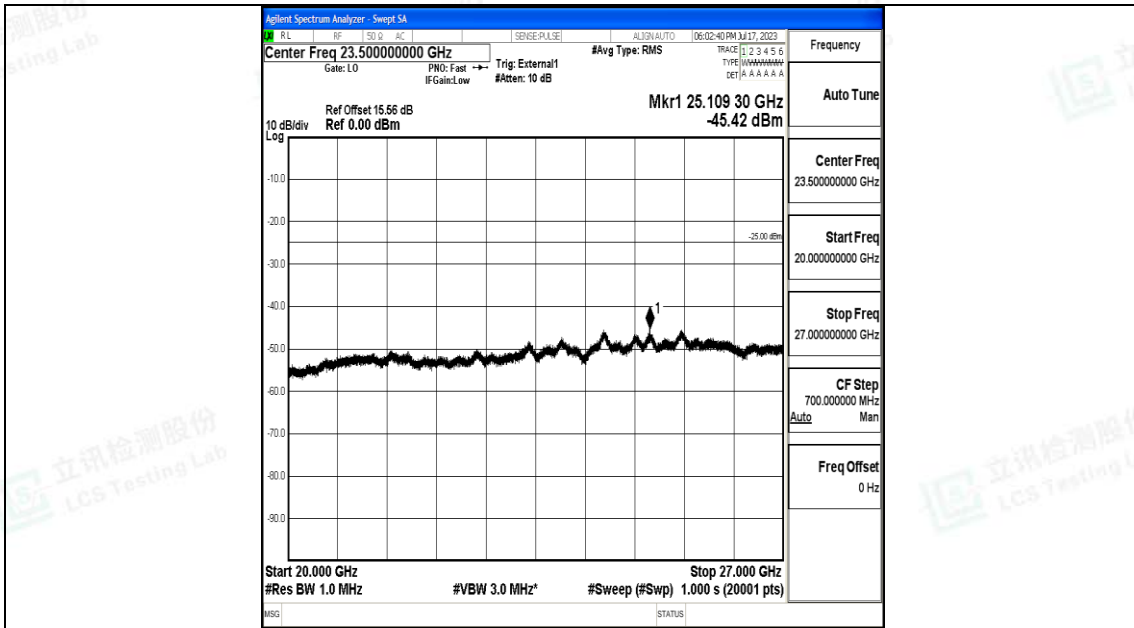
Band38_5MHz_QPSK_38000_1RB#0_0.009~0.15_0.009~0.15



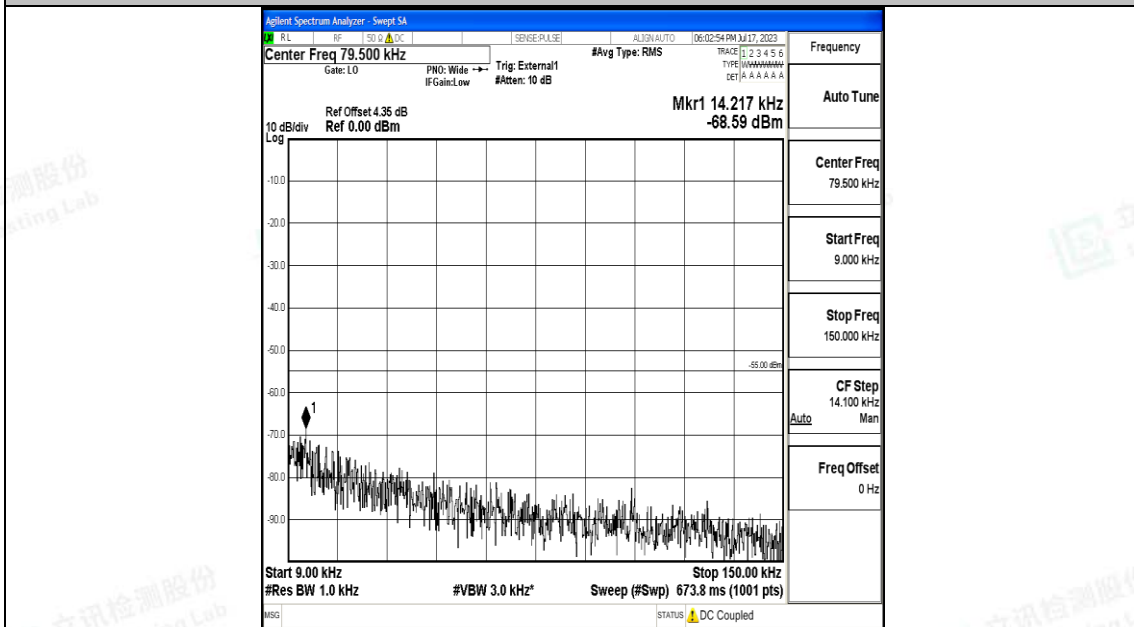
Band38_5MHz_QPSK_38000_1RB#0_0.15~30_0.15~30





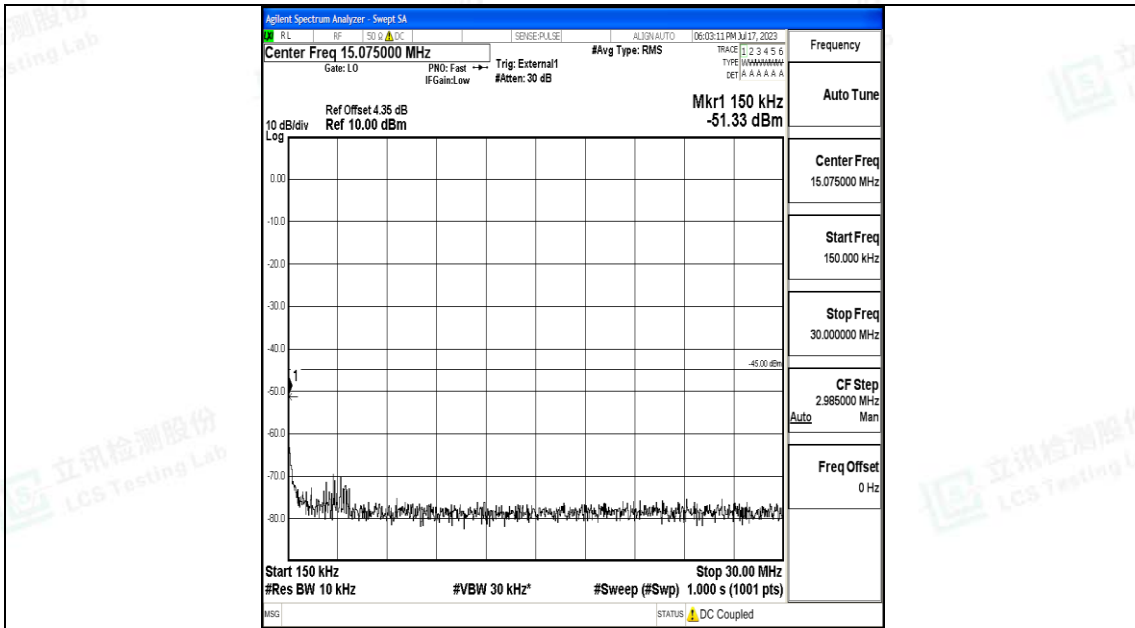


Band38_5MHz_QPSK_38000_1RB#0_20000~27000_20000~27000

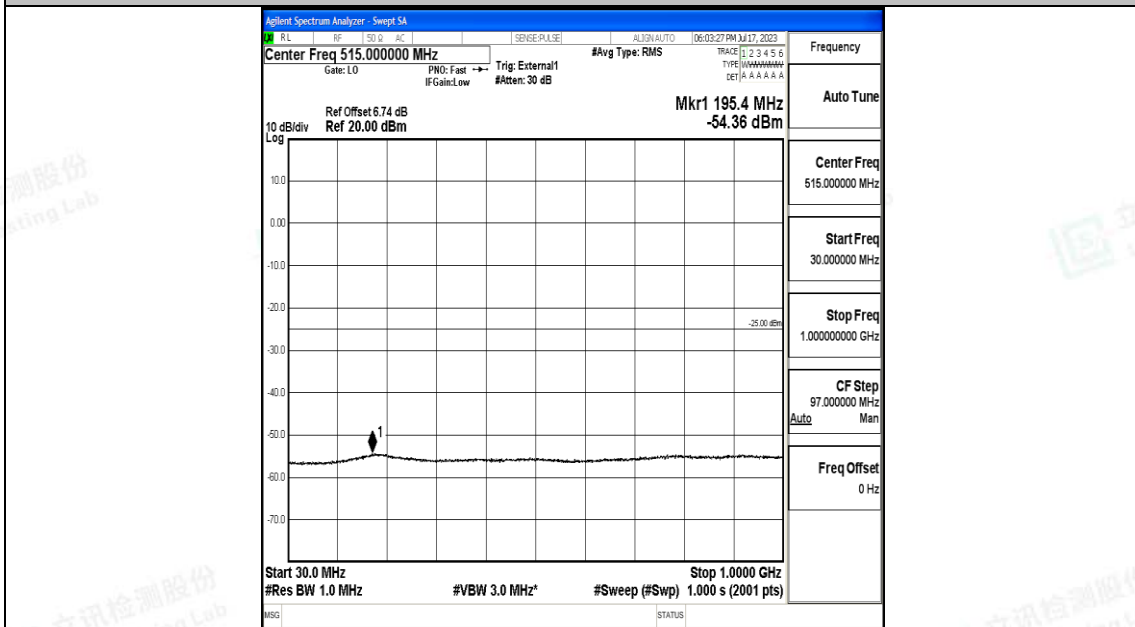


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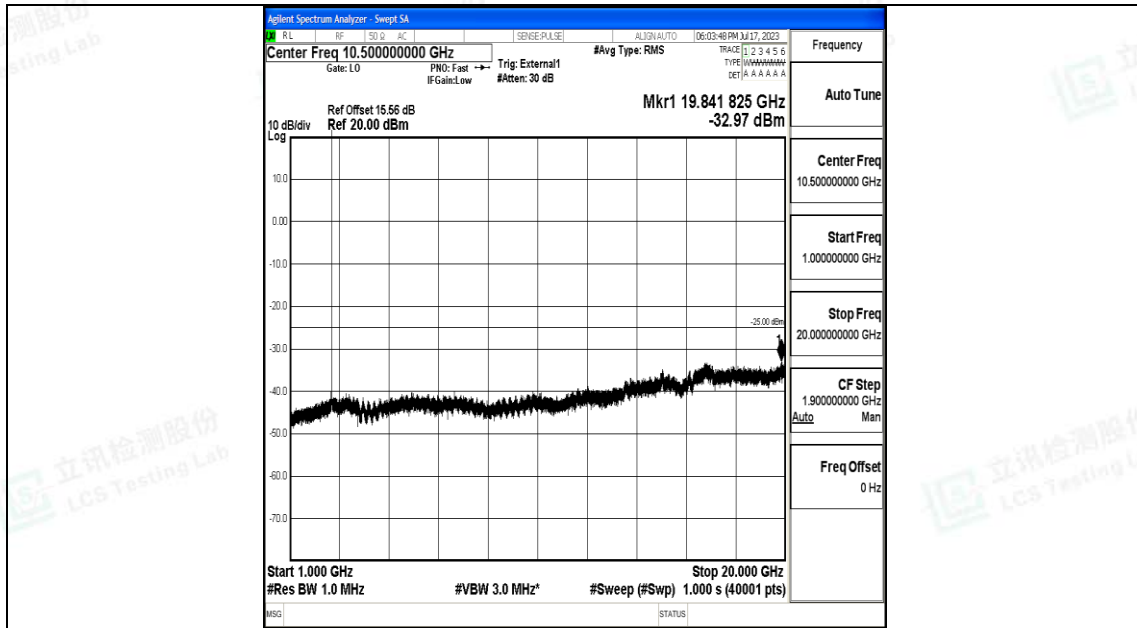


Band38_5MHz_16QAM_38000_1RB#0_0.15~30_0.15~30

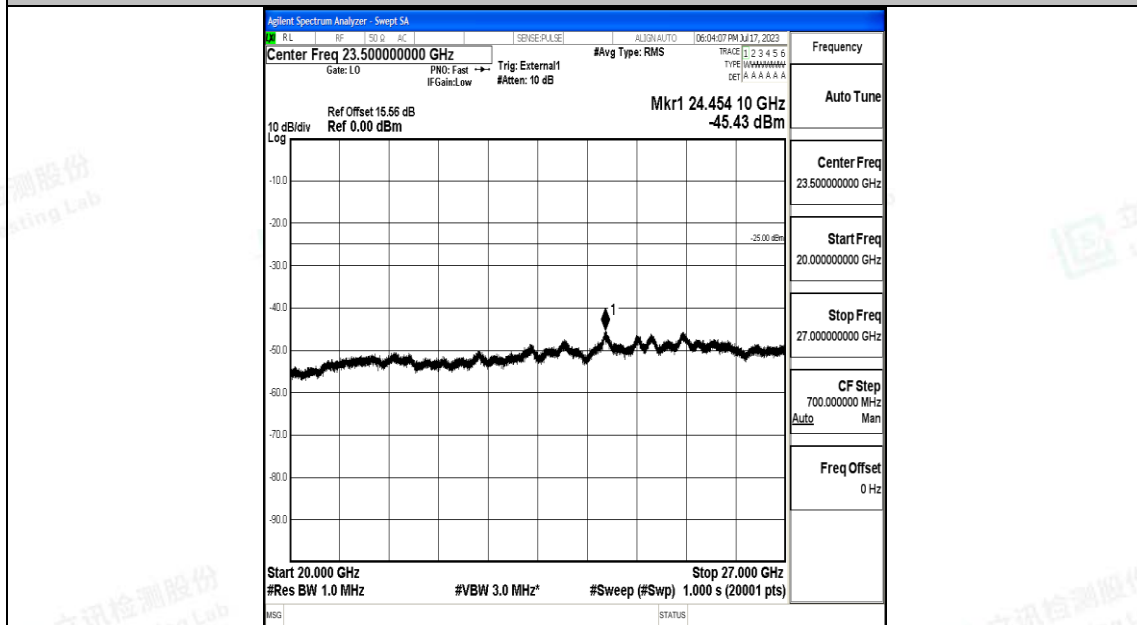


Band38_5MHz_16QAM_38000_1RB#0_30~1000_30~1000



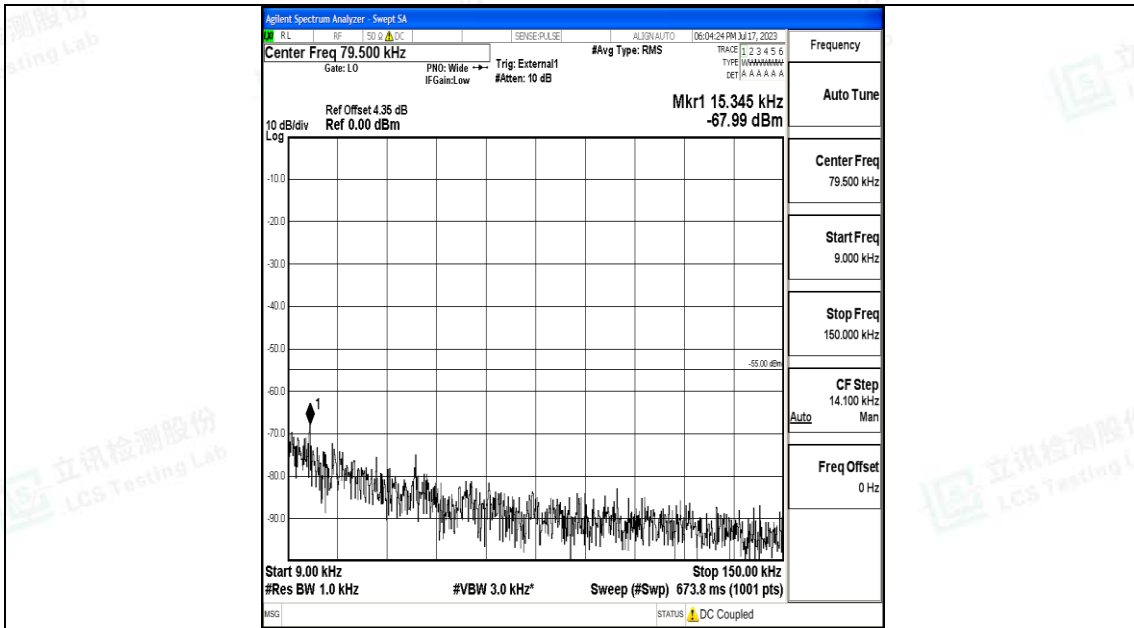


Band38_5MHz_16QAM_38000_1RB#0_1000~20000_1000~20000

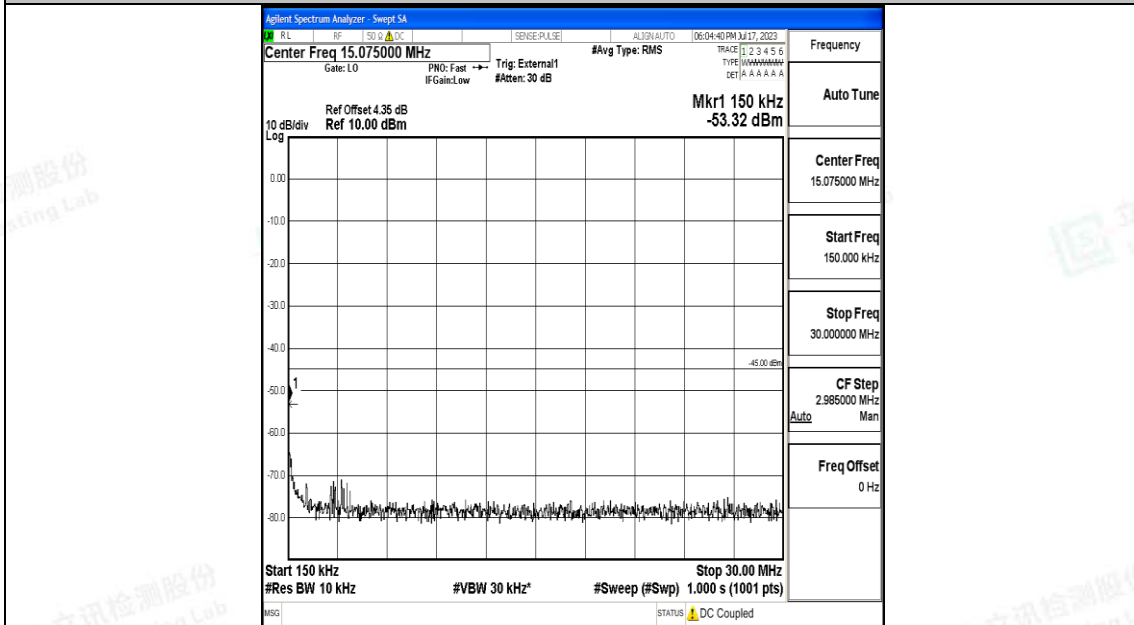


Band38_5MHz_16QAM_38000_1RB#0_20000~27000_20000~27000



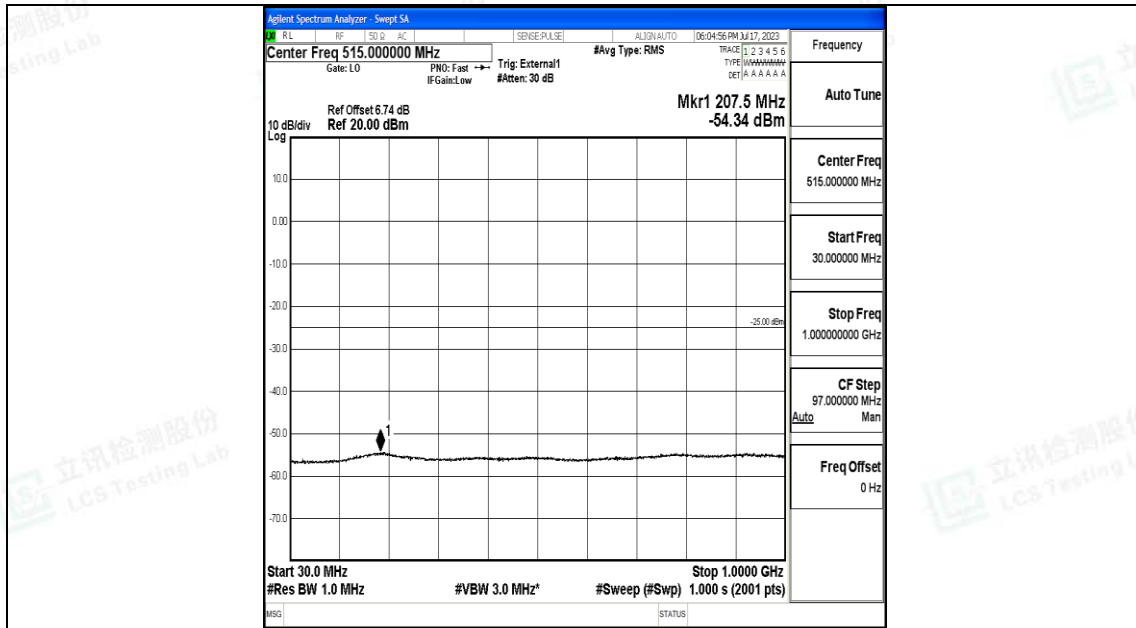


Band38_5MHz_QPSK_38225_1RB#0_0.009~0.15_0.009~0.15

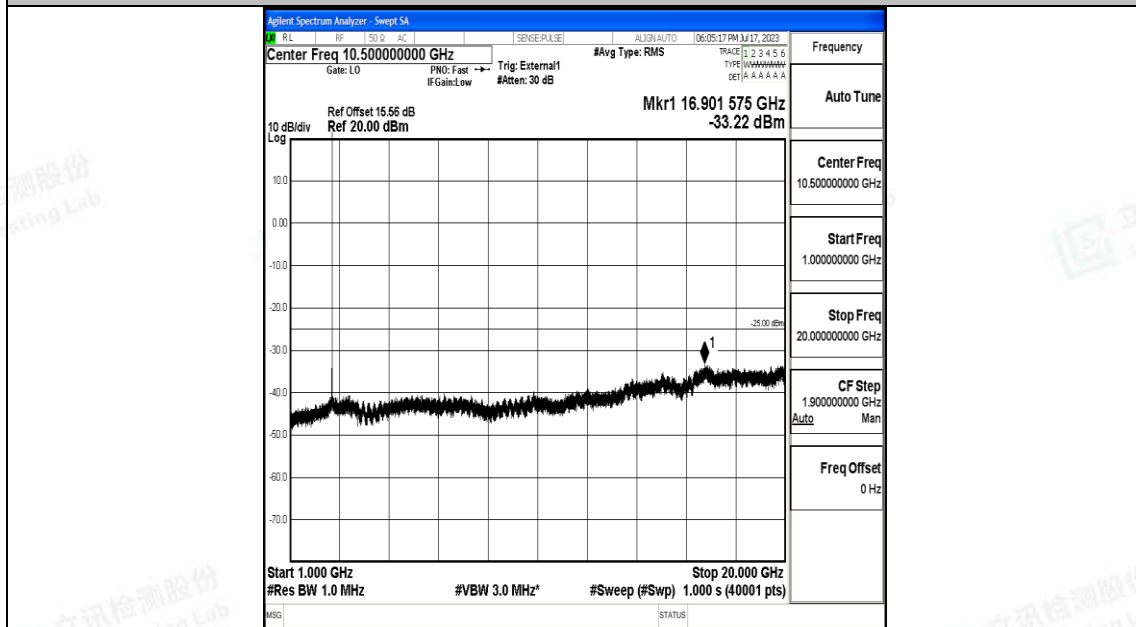


Band38_5MHz_QPSK_38225_1RB#0_0.15~30_0.15~30



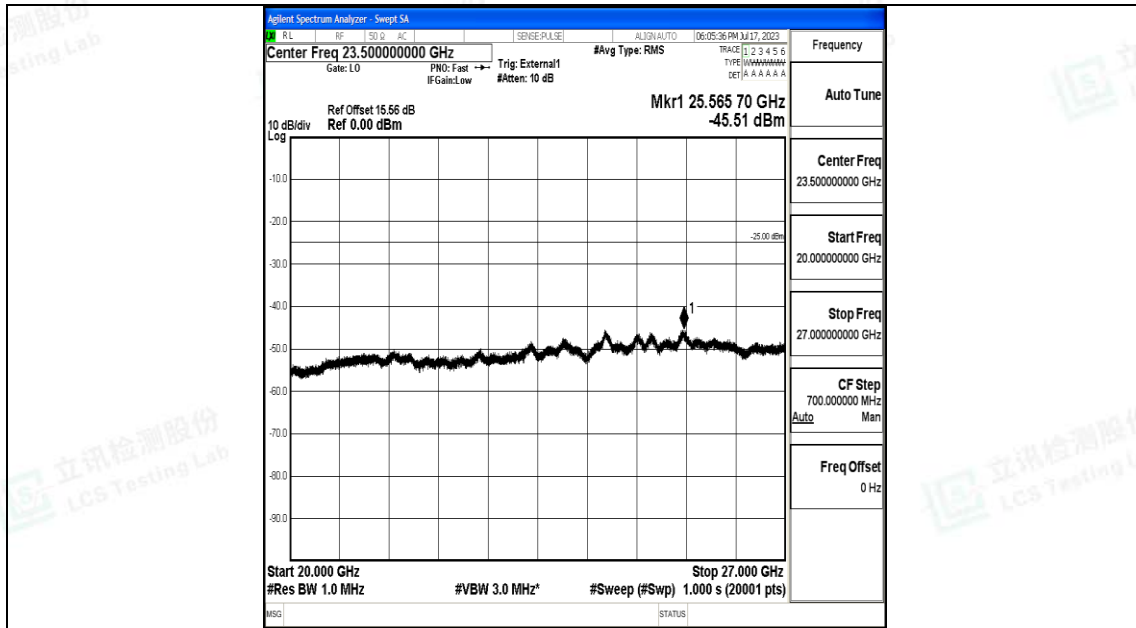


Band38_5MHz_QPSK_38225_1RB#0_30~1000_30~1000

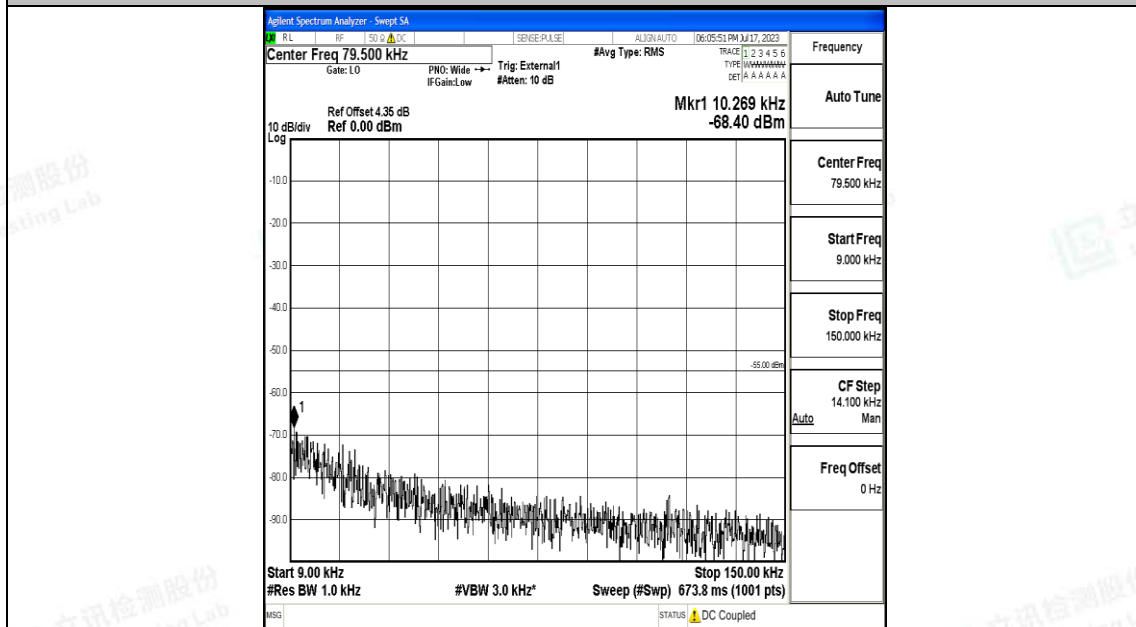


Band38_5MHz_QPSK_38225_1RB#0_1000~20000_1000~20000



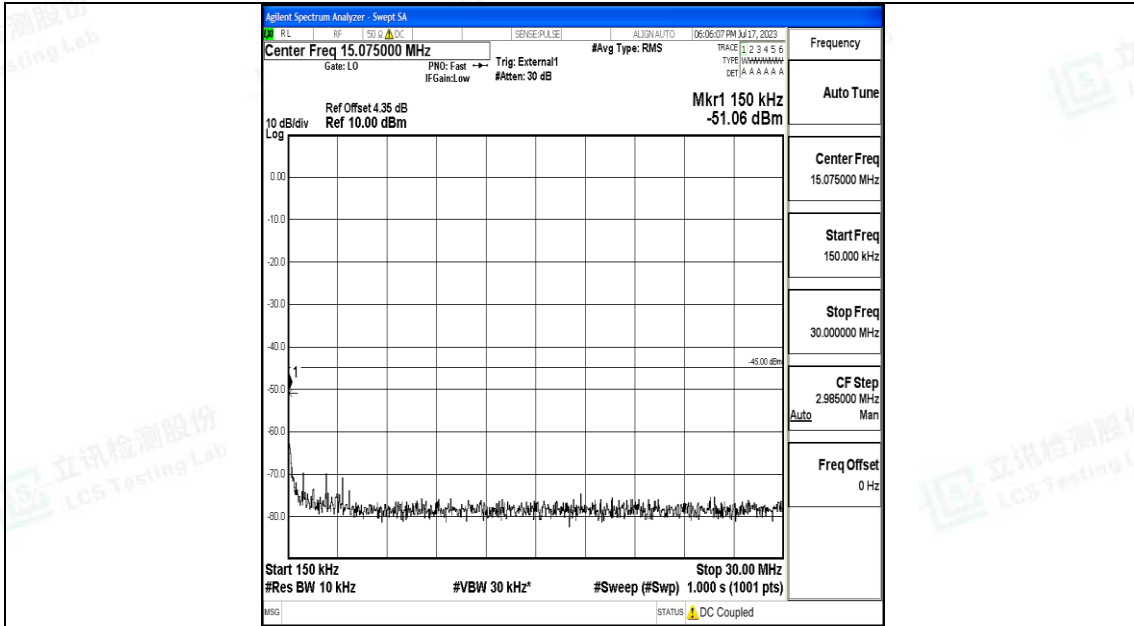


Band38_5MHz_QPSK_38225_1RB#0_20000~27000_20000~27000

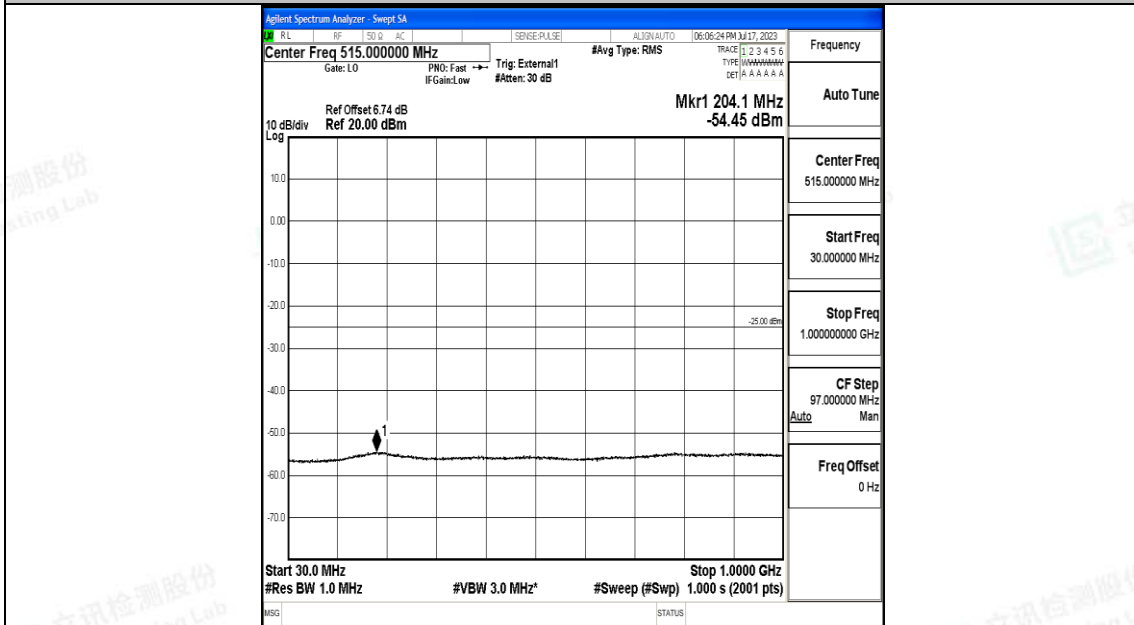


Band38_5MHz_16QAM_38225_1RB#0_0.009~0.15_0.009~0.15



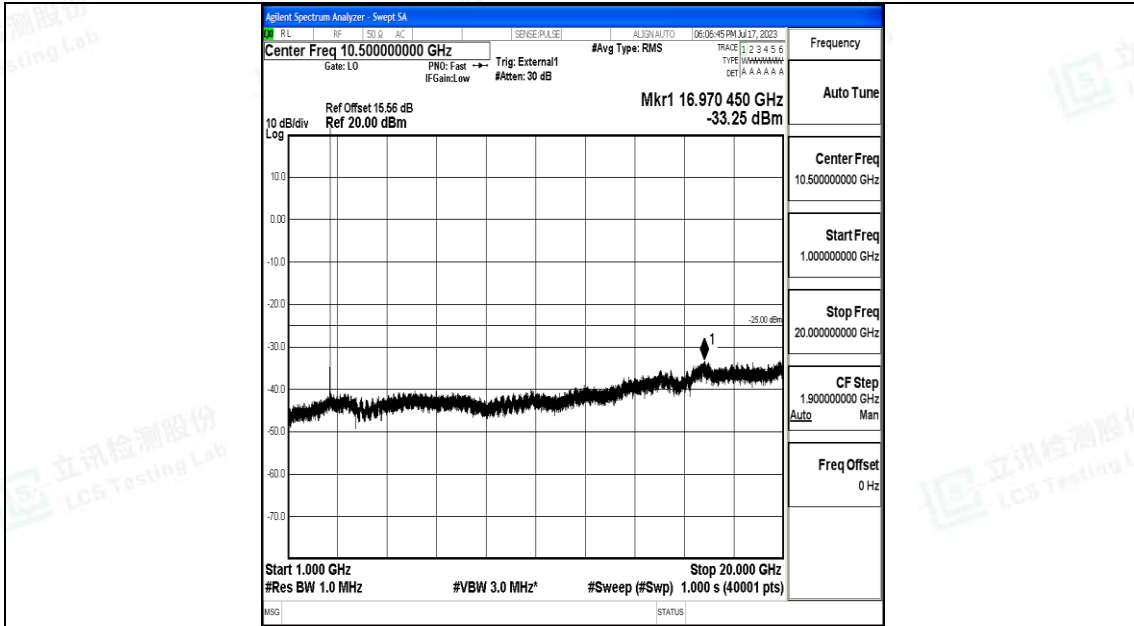


Band38_5MHz_16QAM_38225_1RB#0_0.15~30_0.15~30

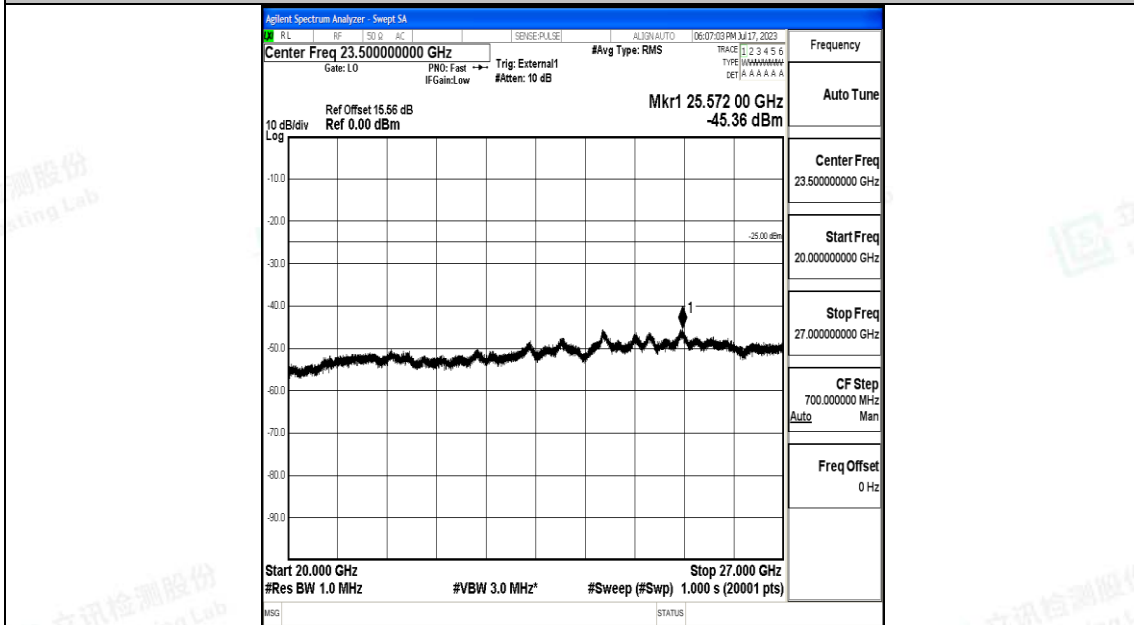


Band38_5MHz_16QAM_38225_1RB#0_30~1000_30~1000



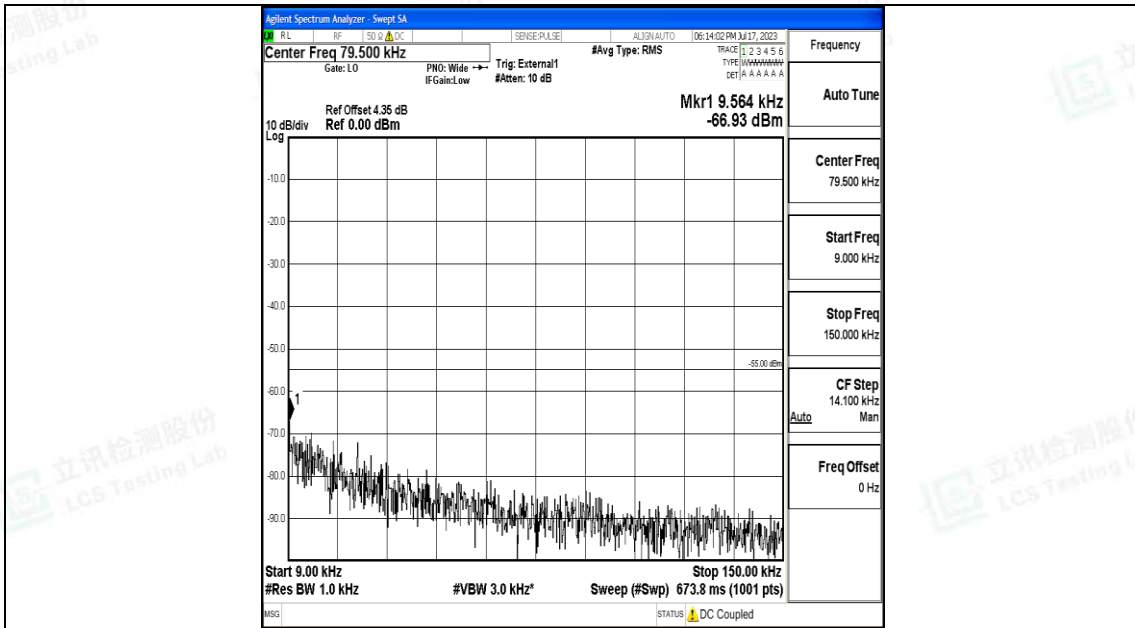


Band38_5MHz_16QAM_38225_1RB#0_1000~20000_1000~20000

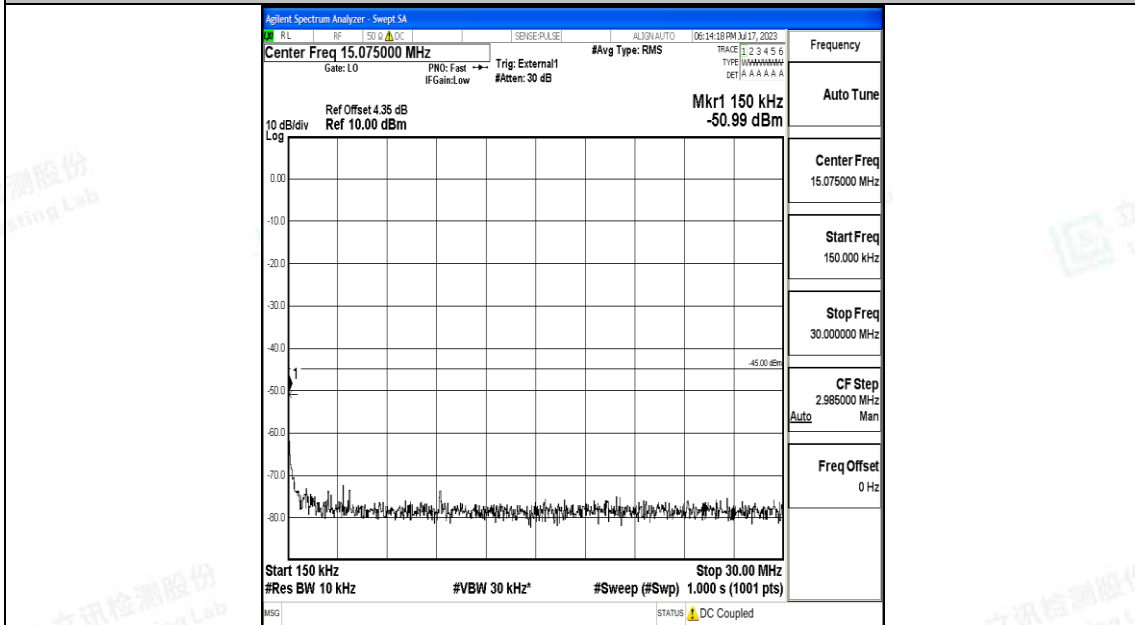


Band38_5MHz_16QAM_38225_1RB#0_20000~27000_20000~27000



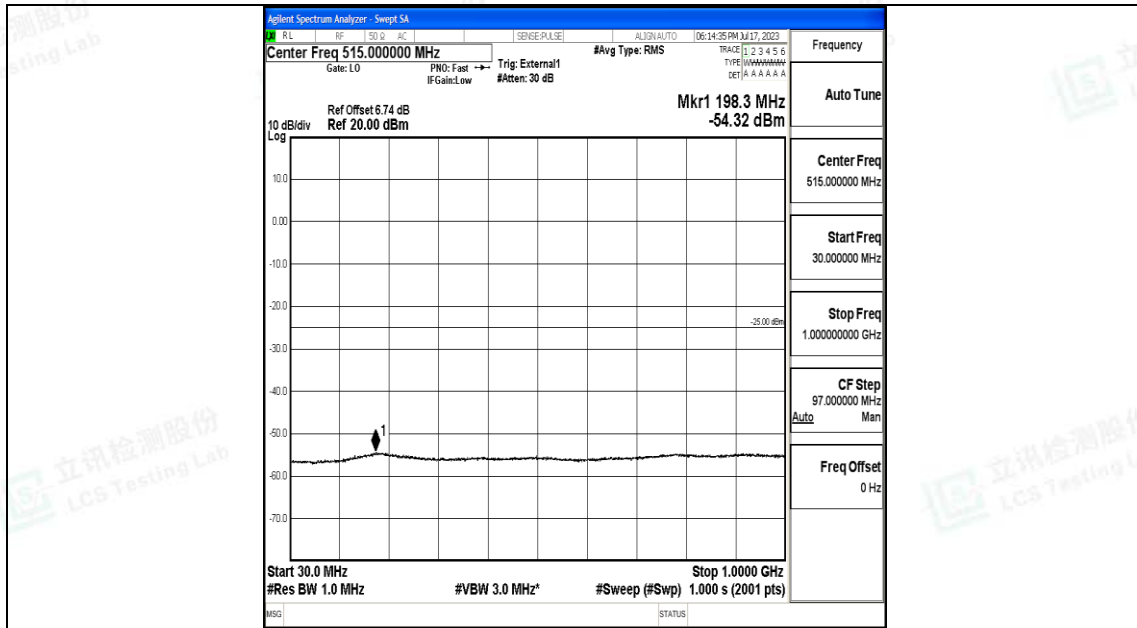


Band38_10MHz_QPSK_37800_1RB#0_0.009~0.15_0.009~0.15

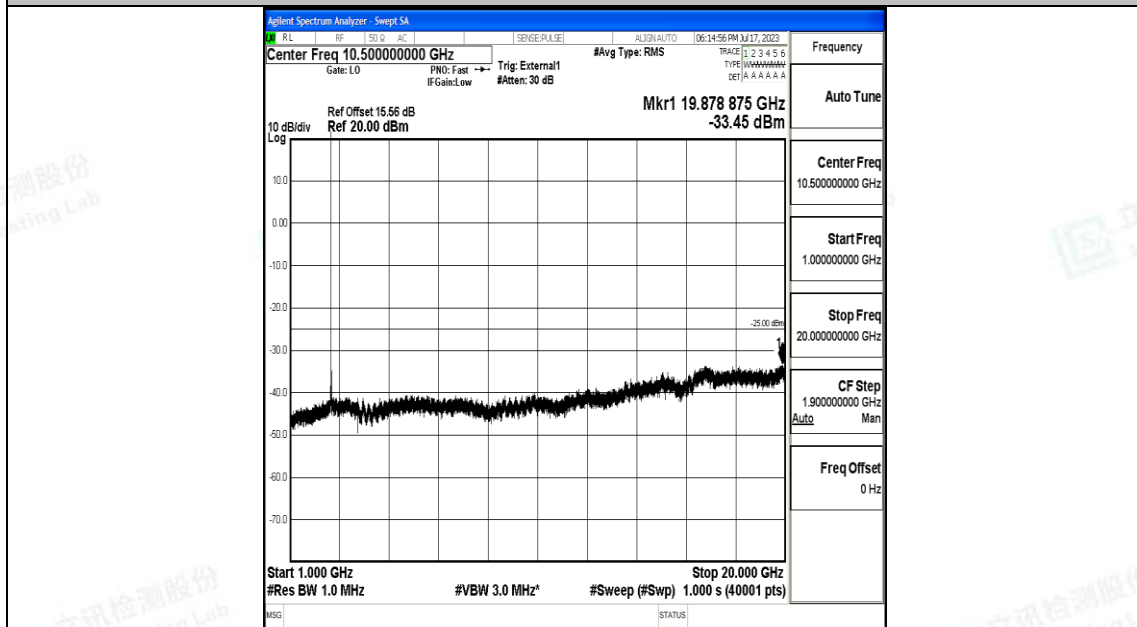


Band38_10MHz_QPSK_37800_1RB#0_0.15~30_0.15~30



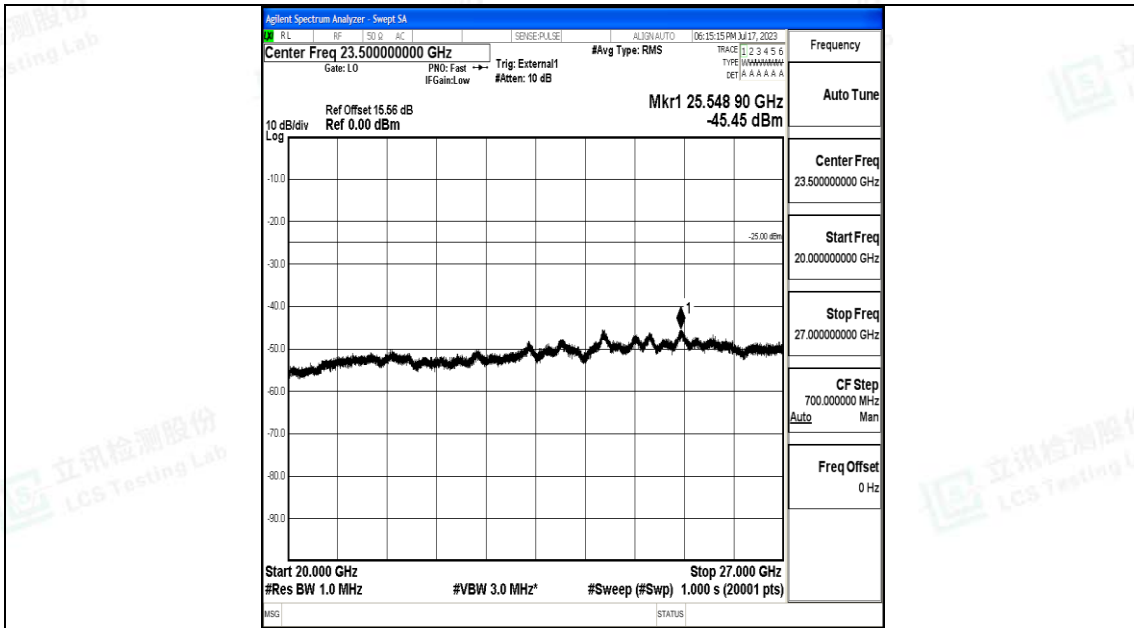


Band38_10MHz_QPSK_37800_1RB#0_30~1000_30~1000

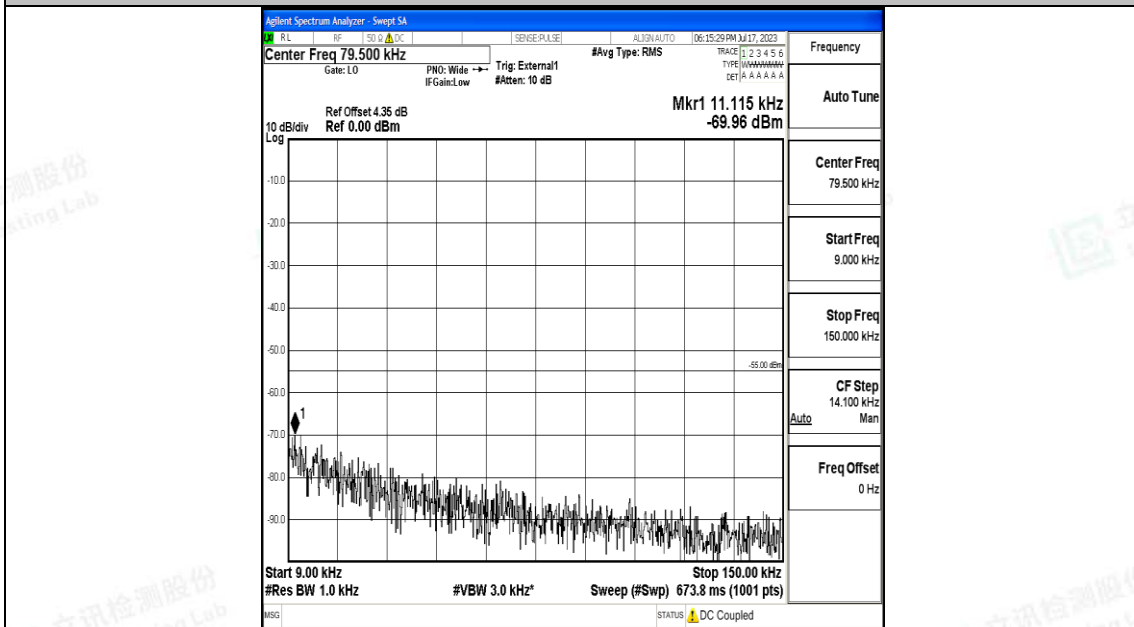


Band38_10MHz_QPSK_37800_1RB#0_1000~20000_1000~20000



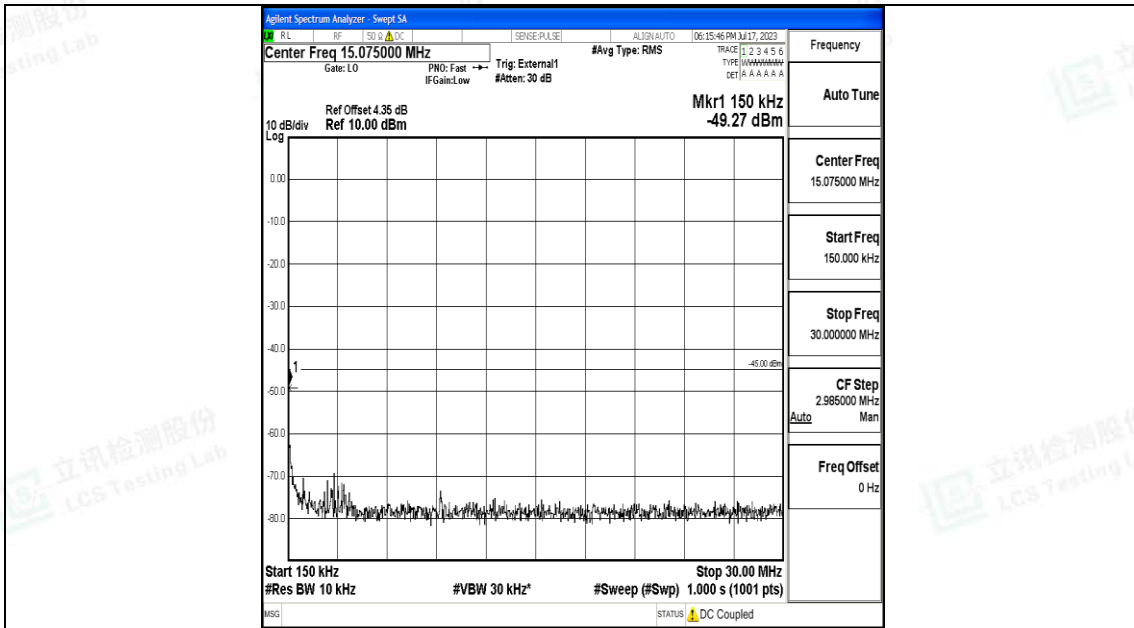


Band38_10MHz_QPSK_37800_1RB#0_20000~27000_20000~27000

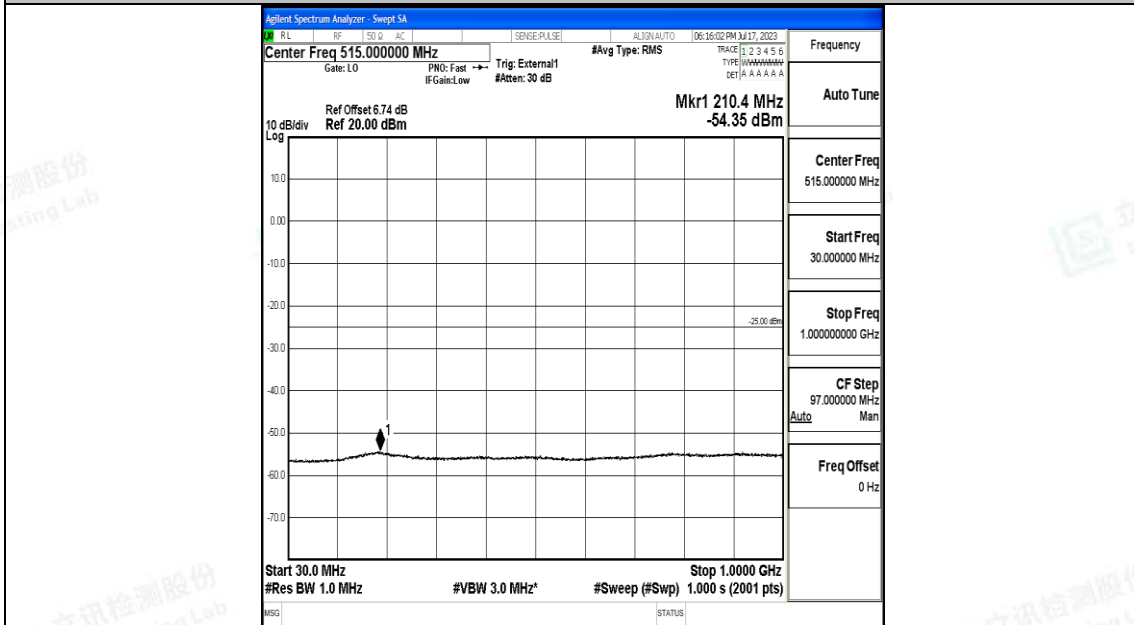


Band38_10MHz_16QAM_37800_1RB#0_0.009~0.15_0.009~0.15



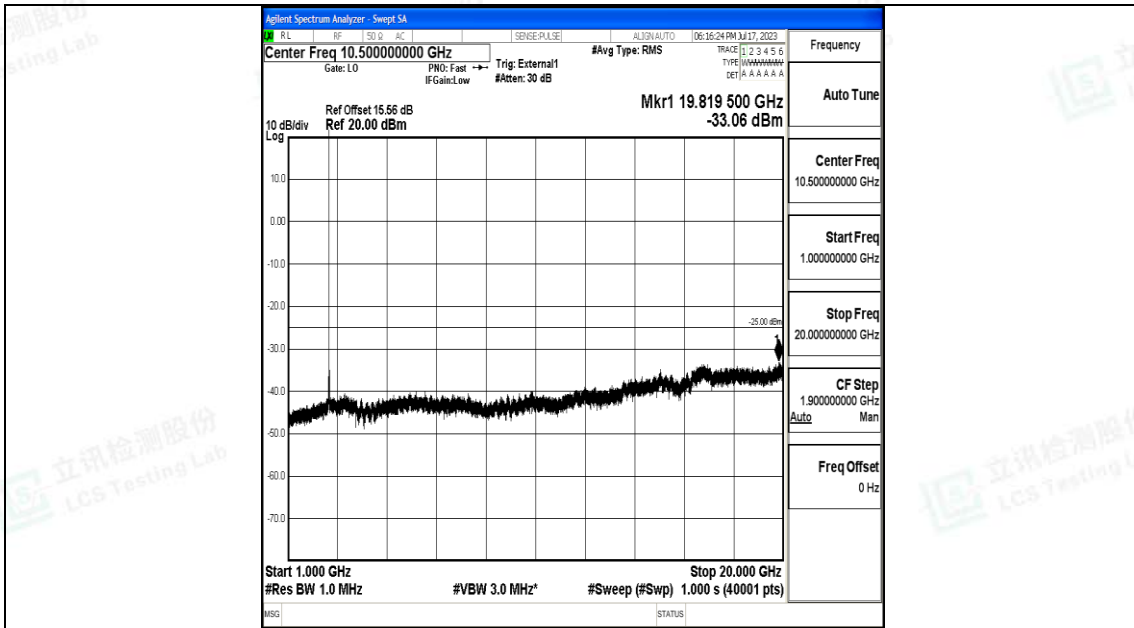


Band38_10MHz_16QAM_37800_1RB#0_0.15~30_0.15~30

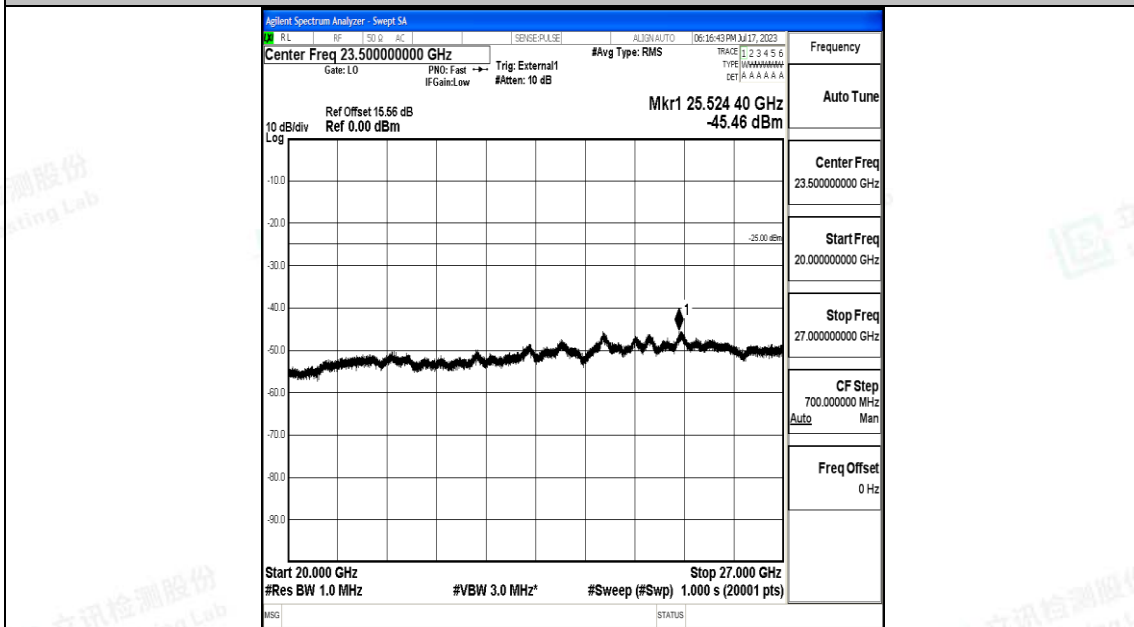


Band38_10MHz_16QAM_37800_1RB#0_30~1000_30~1000



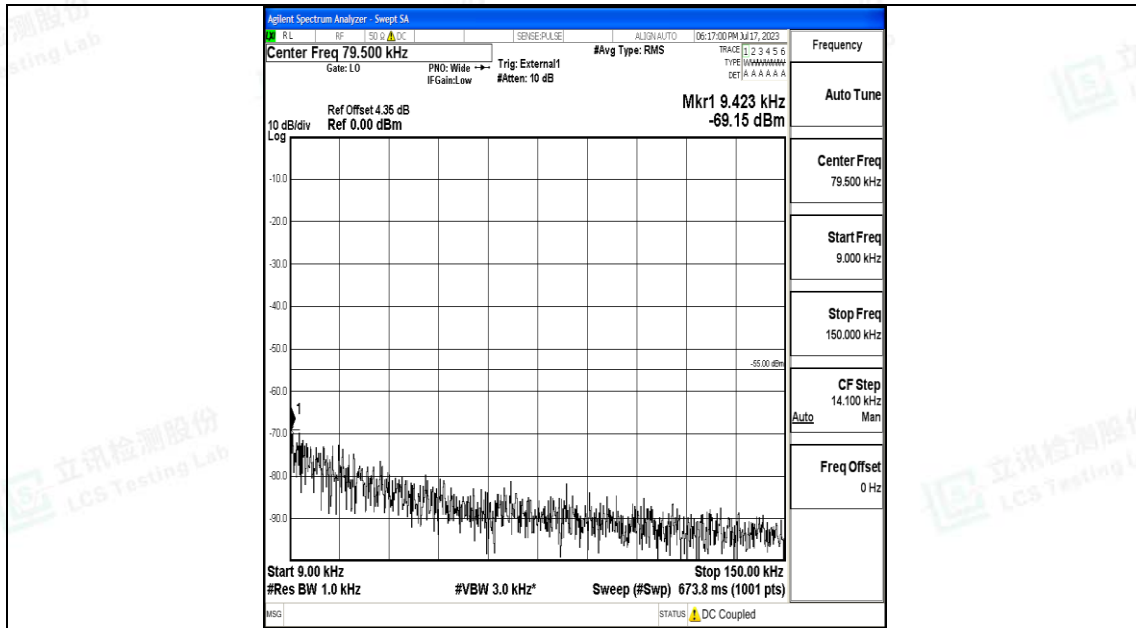


Band38_10MHz_16QAM_37800_1RB#0_1000~20000_1000~20000

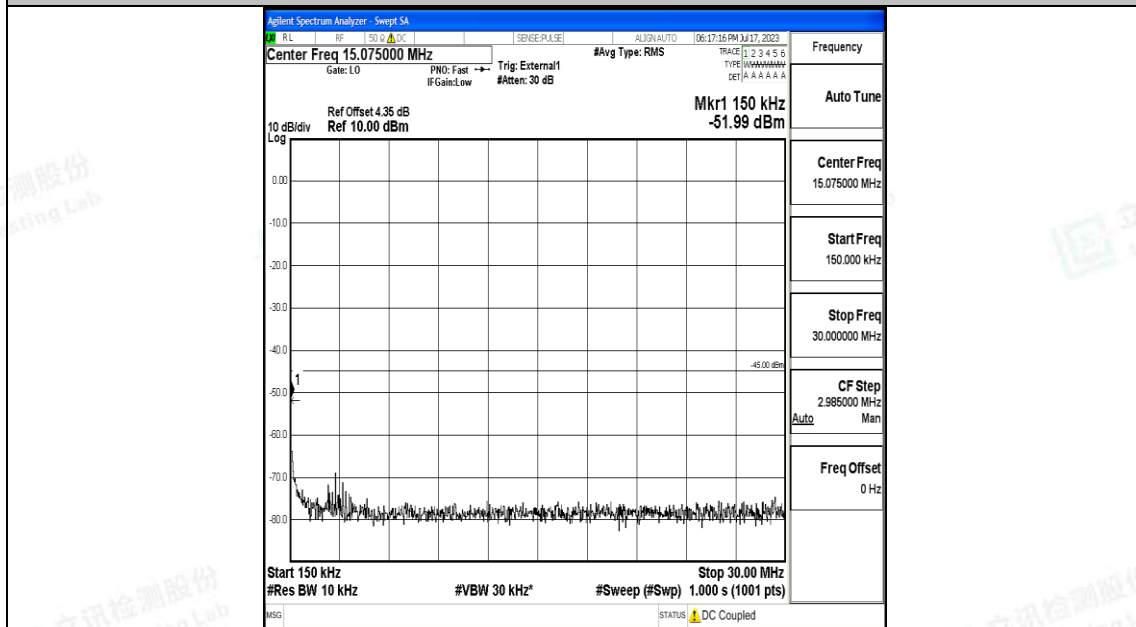


Band38_10MHz_16QAM_37800_1RB#0_20000~27000_20000~27000





Band38_10MHz_QPSK_38000_1RB#0_0.009~0.15_0.009~0.15



Band38_10MHz_QPSK_38000_1RB#0_0.15~30_0.15~30

