



Appendix M: Test Data for E-UTRA Band 17

Product Name: Smartphone

Test Model: S24 Pro

Environmental Conditions

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





M.1 Conducted Output Power Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band17	5MHz	QPSK	23755	1RB#0	22.87	PASS
Band17	5MHz	16QAM	23755	1RB#0	21.60	PASS
Band17	5MHz	QPSK	23755	1RB#12	22.79	PASS
Band17	5MHz	16QAM	23755	1RB#12	21.47	PASS
Band17	5MHz	QPSK	23755	1RB#24	22.61	PASS
Band17	5MHz	16QAM	23755	1RB#24	21.53	PASS
Band17	5MHz	QPSK	23755	12RB#0	21.85	PASS
Band17	5MHz	16QAM	23755	12RB#0	20.87	PASS
Band17	5MHz	QPSK	23755	12RB#6	21.67	PASS
Band17	10MHz	QPSK	23790	1RB#0	22.63	PASS
Band17	10MHz	16QAM	23790	1RB#0	21.46	PASS
Band17	10MHz	QPSK	23790	1RB#24	22.34	PASS
Band17	10MHz	16QAM	23790	1RB#24	21.31	PASS
Band17	10MHz	QPSK	23790	1RB#49	22.51	PASS
Band17	10MHz	16QAM	23790	1RB#49	21.38	PASS
Band17	10MHz	QPSK	23790	25RB#0	21.48	PASS
Band17	10MHz	16QAM	23790	25RB#0	20.62	PASS
Band17	10MHz	QPSK	23790	25RB#12	21.37	PASS
Band17	10MHz	16QAM	23790	25RB#12	20.59	PASS
Band17	10MHz	QPSK	23790	25RB#25	21.37	PASS
Band17	5MHz	16QAM	23755	12RB#6	20.85	PASS
Band17	5MHz	QPSK	23755	12RB#13	21.70	PASS
Band17	5MHz	16QAM	23755	12RB#13	20.86	PASS
Band17	5MHz	QPSK	23755	25RB#0	21.69	PASS
Band17	5MHz	16QAM	23755	25RB#0	20.91	PASS
Band17	5MHz	16QAM	23790	1RB#0	21.23	PASS
Band17	5MHz	QPSK	23790	1RB#12	22.45	PASS
Band17	5MHz	16QAM	23790	1RB#12	21.18	PASS
Band17	5MHz	QPSK	23790	1RB#24	22.51	PASS
Band17	5MHz	16QAM	23790	1RB#24	21.18	PASS
Band17	5MHz	QPSK	23790	12RB#0	21.74	PASS
Band17	5MHz	16QAM	23790	12RB#0	20.75	PASS
Band17	5MHz	QPSK	23790	12RB#6	21.62	PASS
Band17	5MHz	16QAM	23790	12RB#6	20.76	PASS
Band17	5MHz	QPSK	23790	12RB#13	21.72	PASS
Band17	5MHz	QPSK	23790	25RB#0	21.57	PASS





Band17	5MHz	16QAM	23790	25RB#0	20.91	PASS
Band17	5MHz	QPSK	23825	1RB#0	22.50	PASS
Band17	5MHz	16QAM	23825	1RB#0	21.85	PASS
Band17	5MHz	QPSK	23825	1RB#12	22.55	PASS
Band17	5MHz	16QAM	23825	1RB#12	22.02	PASS
Band17	5MHz	QPSK	23825	1RB#24	22.58	PASS
Band17	5MHz	16QAM	23825	1RB#24	22.08	PASS
Band17	5MHz	QPSK	23825	12RB#0	21.71	PASS
Band17	5MHz	16QAM	23825	12RB#0	20.82	PASS
Band17	5MHz	QPSK	23825	12RB#6	21.73	PASS
Band17	5MHz	16QAM	23825	12RB#6	20.86	PASS
Band17	5MHz	QPSK	23825	12RB#13	21.67	PASS
Band17	5MHz	16QAM	23825	12RB#13	20.84	PASS
Band17	5MHz	QPSK	23825	25RB#0	21.68	PASS
Band17	5MHz	16QAM	23825	25RB#0	20.96	PASS
Band17	10MHz	16QAM	23780	1RB#0	21.25	PASS
Band17	10MHz	QPSK	23780	1RB#24	22.12	PASS
Band17	10MHz	16QAM	23780	1RB#24	21.51	PASS
Band17	10MHz	QPSK	23780	1RB#49	22.24	PASS
Band17	10MHz	16QAM	23780	1RB#49	21.49	PASS
Band17	10MHz	16QAM	23790	25RB#25	20.56	PASS
Band17	10MHz	QPSK	23790	50RB#0	21.41	PASS
Band17	10MHz	16QAM	23790	50RB#0	20.60	PASS
Band17	10MHz	QPSK	23800	1RB#0	22.20	PASS
Band17	10MHz	16QAM	23800	1RB#0	22.10	PASS
Band17	10MHz	QPSK	23800	1RB#24	22.03	PASS
Band17	10MHz	16QAM	23800	1RB#24	22.07	PASS
Band17	10MHz	QPSK	23800	1RB#49	22.25	PASS
Band17	10MHz	16QAM	23800	1RB#49	22.21	PASS
Band17	10MHz	QPSK	23800	25RB#0	21.41	PASS
Band17	10MHz	16QAM	23800	25RB#0	20.54	PASS
Band17	10MHz	QPSK	23800	25RB#12	21.39	PASS
Band17	10MHz	16QAM	23800	25RB#12	20.55	PASS
Band17	10MHz	QPSK	23800	25RB#25	21.38	PASS
Band17	10MHz	16QAM	23800	25RB#25	20.59	PASS
Band17	10MHz	QPSK	23800	50RB#0	21.44	PASS
Band17	10MHz	16QAM	23800	50RB#0	20.54	PASS
Band17	5MHz	QPSK	23790	1RB#0	22.58	PASS
Band17	5MHz	16QAM	23790	12RB#13	20.77	PASS
Band17	10MHz	QPSK	23780	1RB#0	22.52	PASS
Band17	10MHz	QPSK	23780	25RB#0	21.43	PASS
Band17	10MHz	16QAM	23780	25RB#0	20.44	PASS





Band17	10MHz	QPSK	23780	25RB#12	21.30	PASS
Band17	10MHz	16QAM	23780	25RB#12	20.45	PASS
Band17	10MHz	QPSK	23780	25RB#25	21.37	PASS
Band17	10MHz	16QAM	23780	25RB#25	20.43	PASS
Band17	10MHz	QPSK	23780	50RB#0	21.42	PASS
Band17	10MHz	16QAM	23780	50RB#0	20.59	PASS





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

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band17	5MHz	QPSK	23755	1RB#0	5.55	13	PASS
Band17	5MHz	16QAM	23755	1RB#0	6.19	13	PASS
Band17	5MHz	QPSK	23755	25RB#0	5.58	13	PASS
Band17	5MHz	16QAM	23755	25RB#0	6.27	13	PASS
Band17	5MHz	QPSK	23790	1RB#0	4.84	13	PASS
Band17	5MHz	16QAM	23790	1RB#0	5.56	13	PASS
Band17	5MHz	QPSK	23790	25RB#0	5.40	13	PASS
Band17	5MHz	16QAM	23790	25RB#0	6.03	13	PASS
Band17	5MHz	QPSK	23825	1RB#0	4.56	13	PASS
Band17	5MHz	16QAM	23825	1RB#0	5.37	13	PASS
Band17	5MHz	QPSK	23825	25RB#0	5.56	13	PASS
Band17	5MHz	16QAM	23825	25RB#0	6.23	13	PASS
Band17	10MHz	QPSK	23780	1RB#0	5.45	13	PASS
Band17	10MHz	16QAM	23780	1RB#0	6.22	13	PASS
Band17	10MHz	QPSK	23780	50RB#0	5.45	13	PASS
Band17	10MHz	16QAM	23780	50RB#0	6.18	13	PASS
Band17	10MHz	QPSK	23790	1RB#0	5.11	13	PASS
Band17	10MHz	16QAM	23790	1RB#0	5.91	13	PASS
Band17	10MHz	QPSK	23790	50RB#0	5.49	13	PASS
Band17	10MHz	16QAM	23790	50RB#0	6.21	13	PASS
Band17	10MHz	QPSK	23800	1RB#0	4.99	13	PASS
Band17	10MHz	16QAM	23800	1RB#0	5.41	13	PASS
Band17	10MHz	QPSK	23800	50RB#0	5.56	13	PASS
Band17	10MHz	16QAM	23800	50RB#0	6.25	13	PASS





Test Graphs



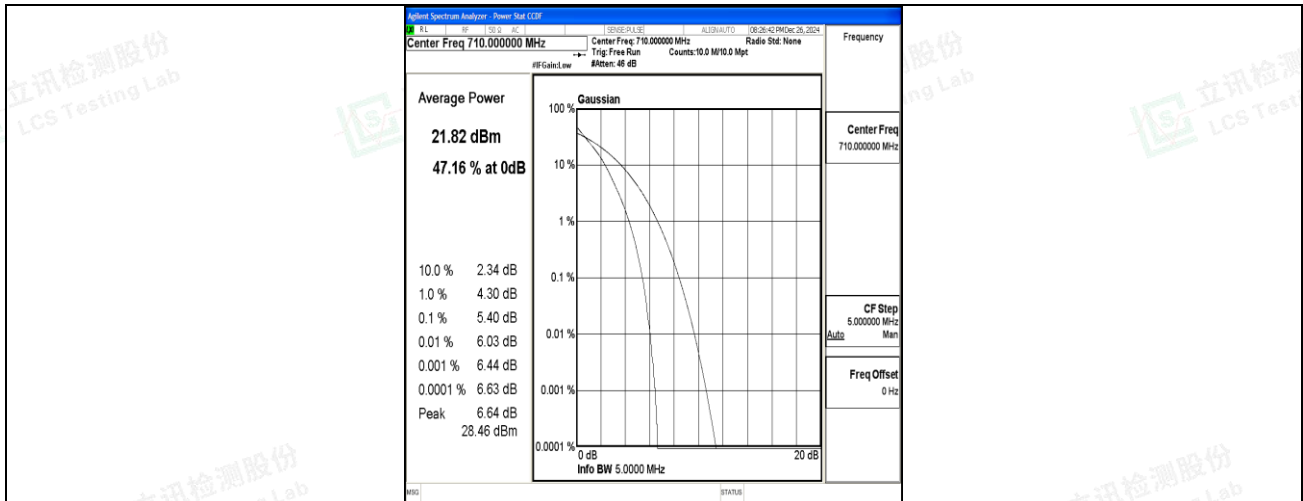


Shenzhen LCS Compliance Testing Laboratory Ltd.

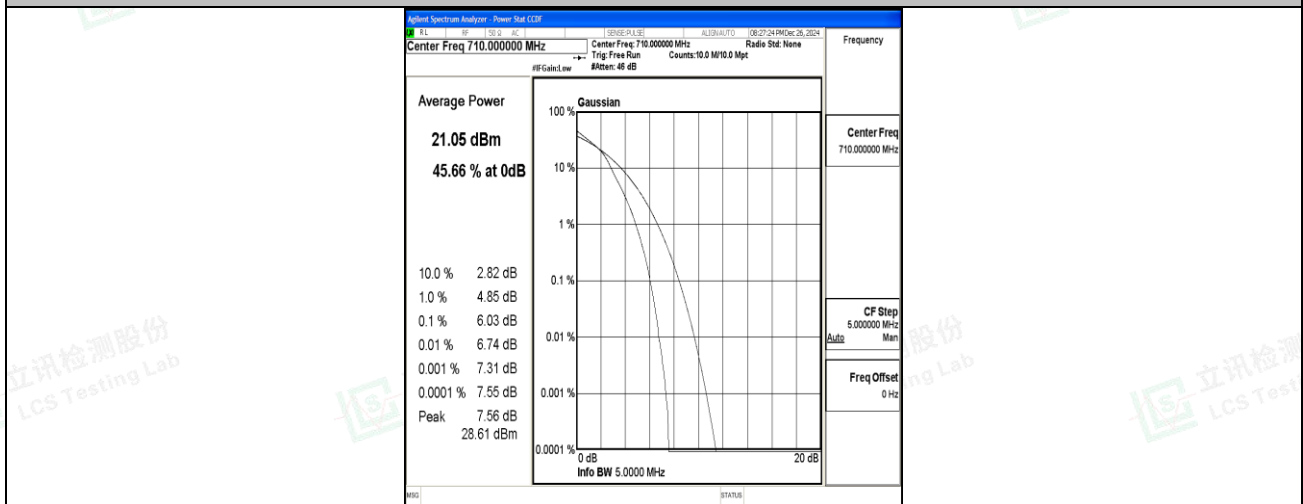
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

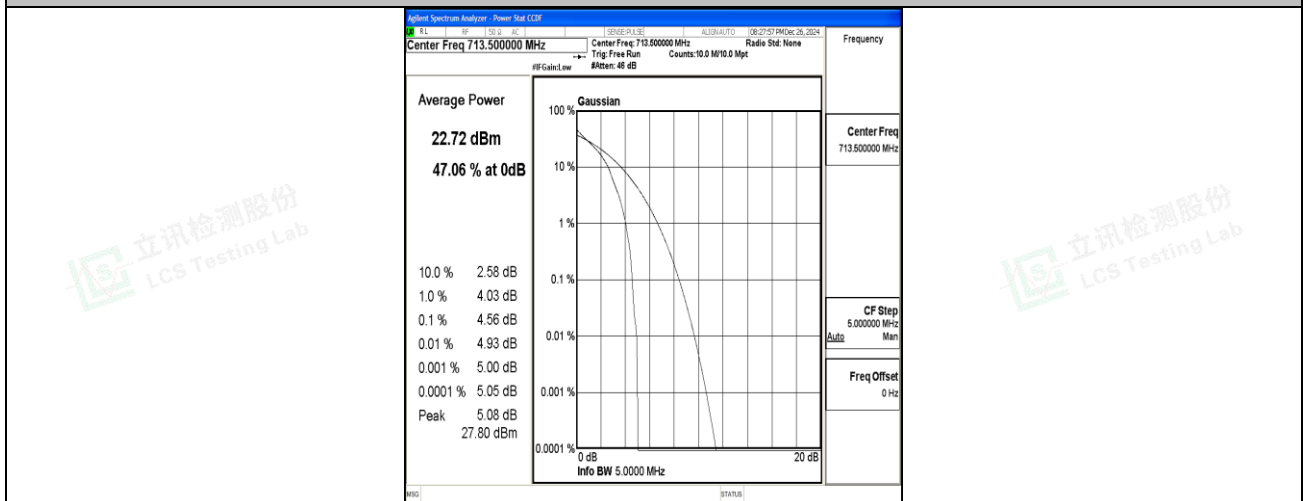
Scan code to check authenticity



Band17-5MHz-QPSK-23790-25RB#0-PASS

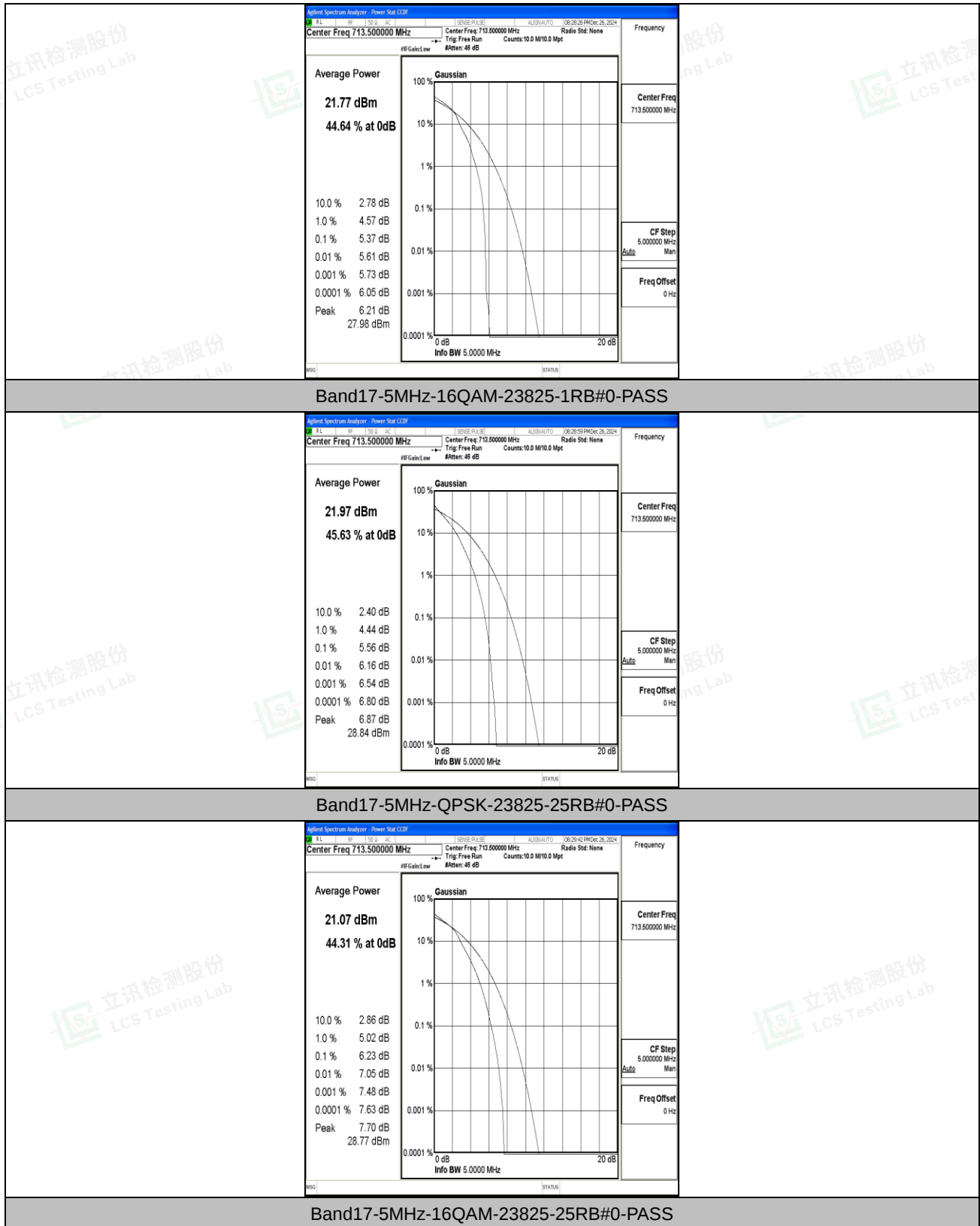


Band17-5MHz-16QAM-23790-25RB#0-PASS



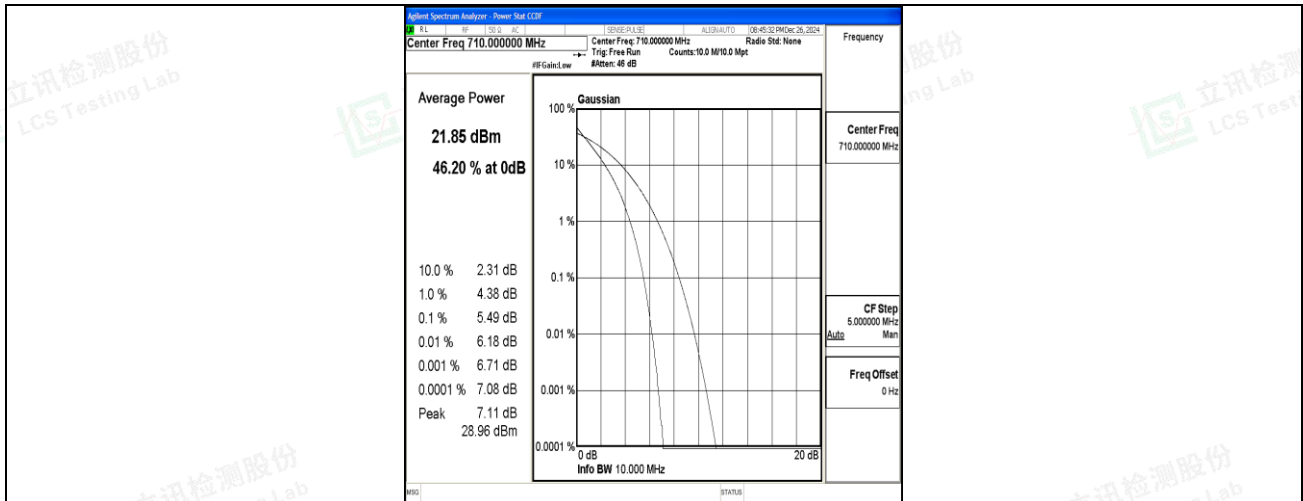
Band17-5MHz-QPSK-23825-1RB#0-PASS



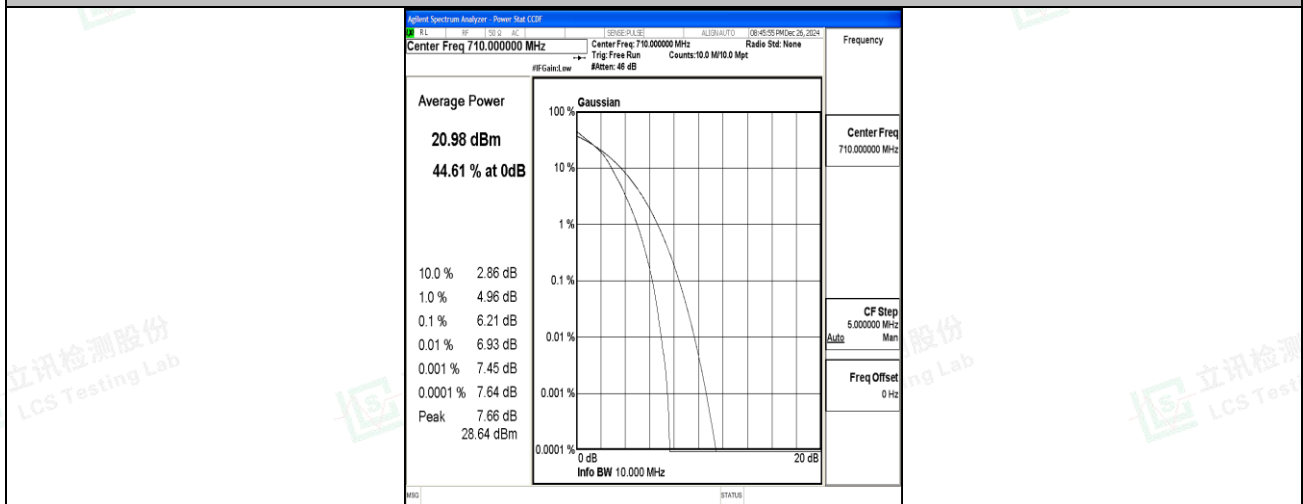




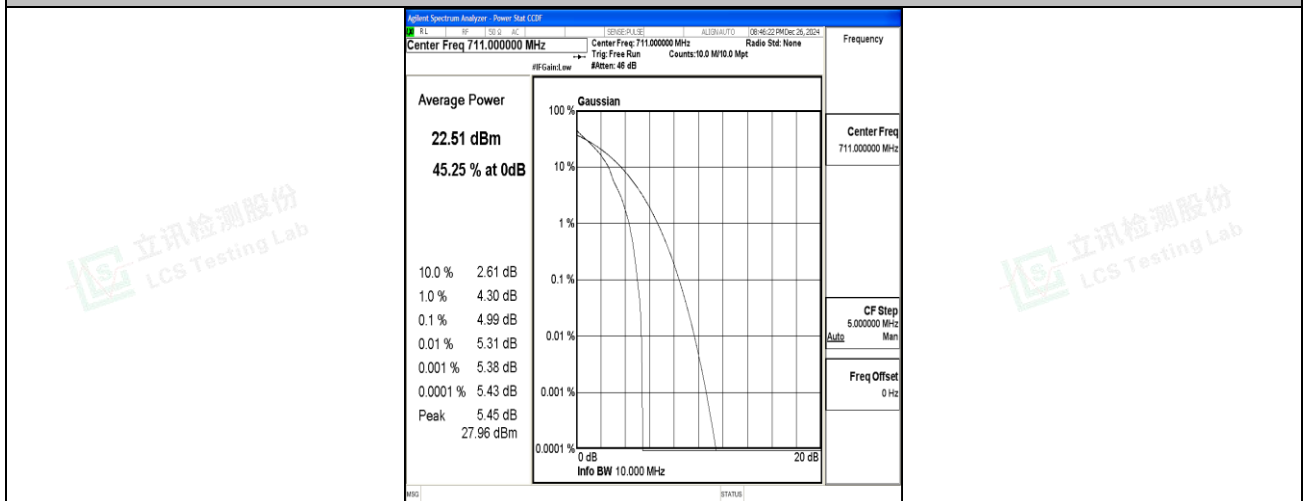




Band17-10MHz-QPSK-23790-50RB#0-PASS

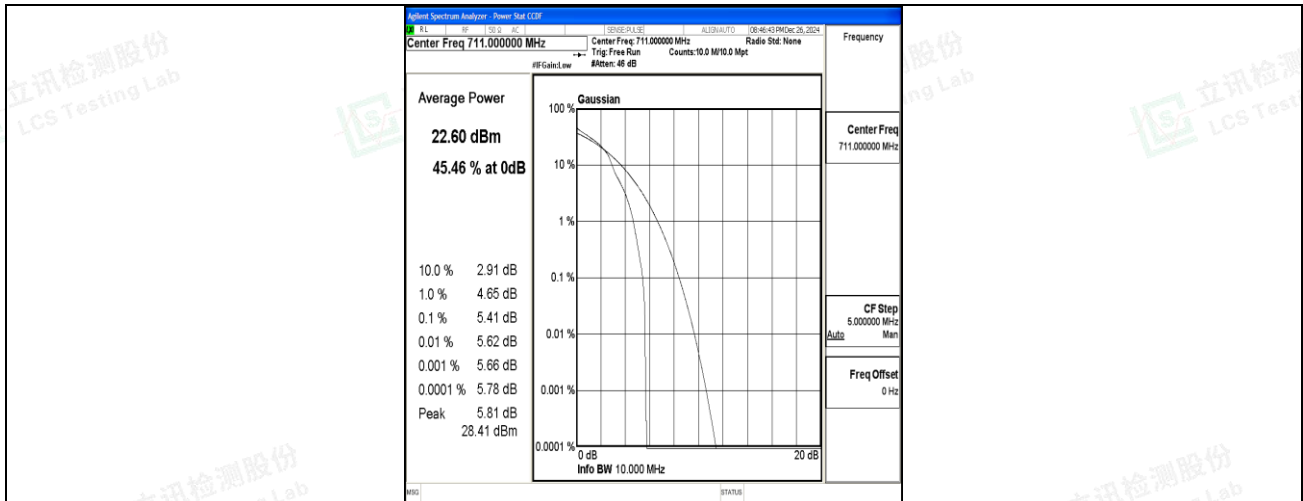


Band17-10MHz-16QAM-23790-50RB#0-PASS

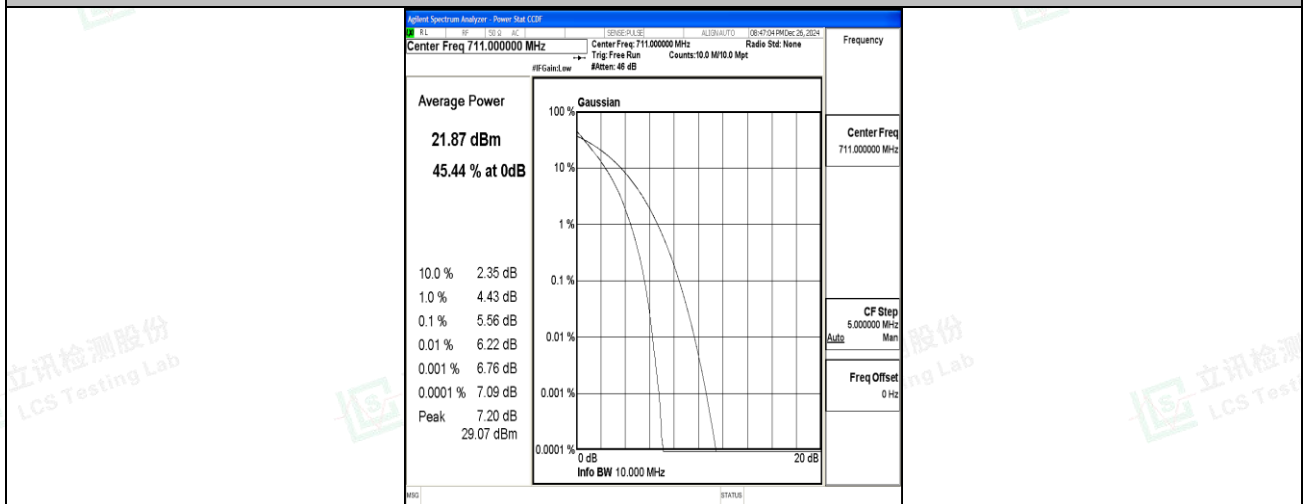


Band17-10MHz-QPSK-23800-1RB#0-PASS

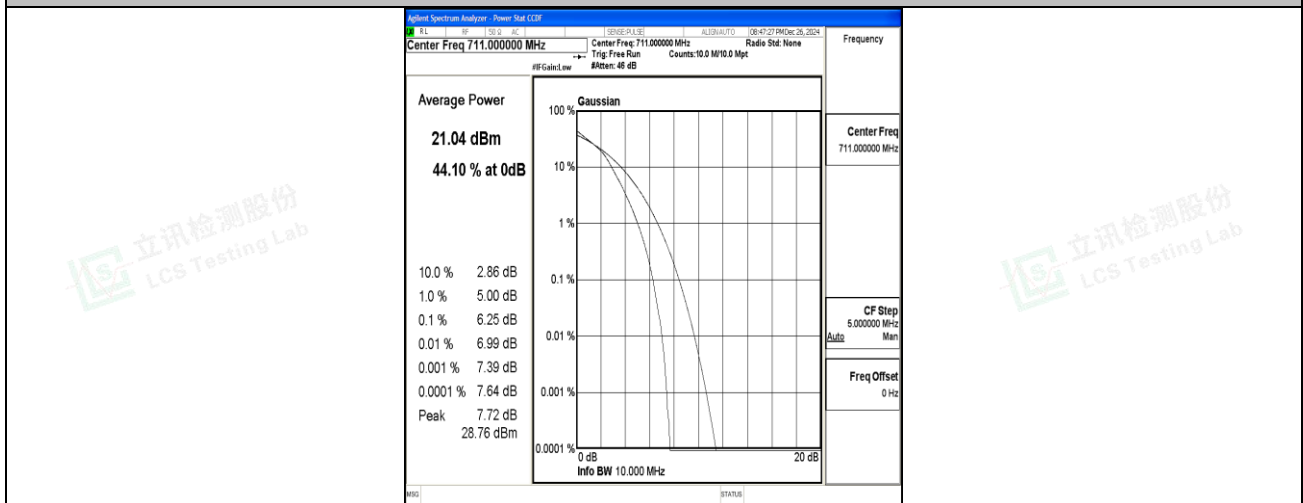




Band17-10MHz-16QAM-23800-1RB#0-PASS



Band17-10MHz-QPSK-23800-50RB#0-PASS



Band17-10MHz-16QAM-23800-50RB#0-PASS



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



M.3 26dB Bandwidth and Occupied Bandwidth

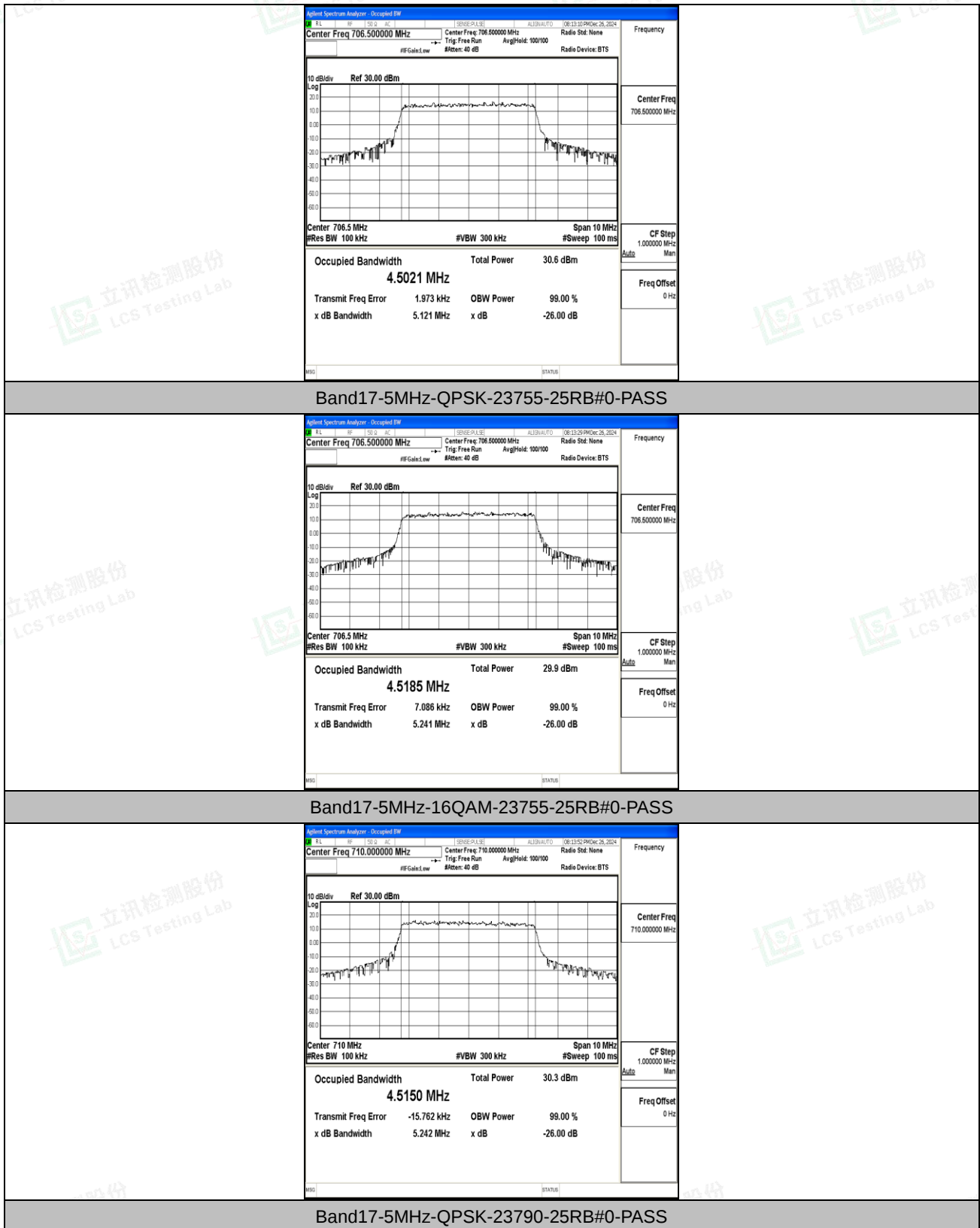
Test Result

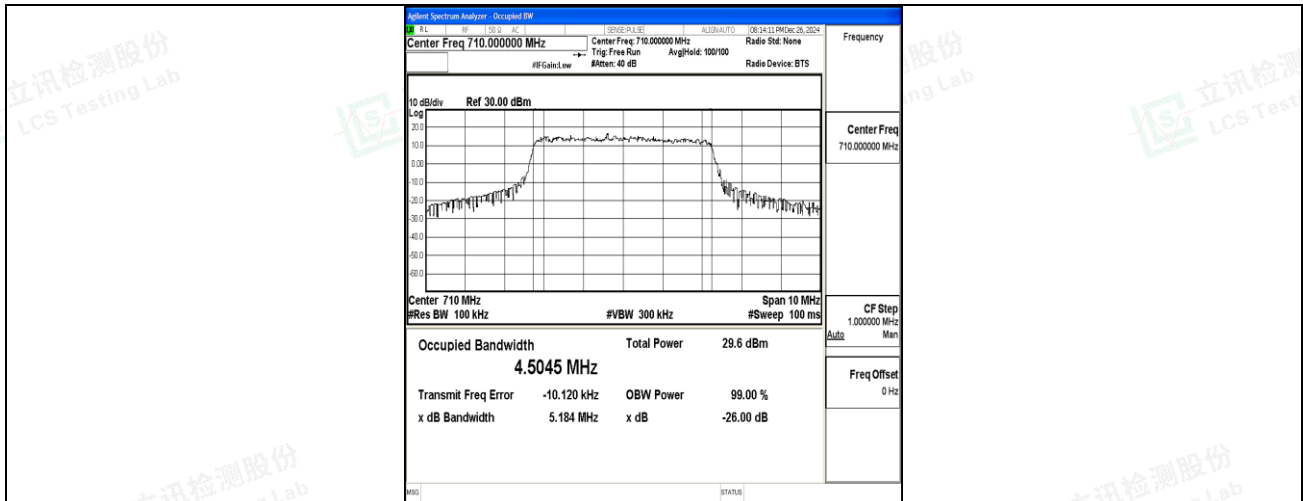
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	4.5021	5.121	PASS
Band17	5MHz	16QAM	23755	25RB#0	4.5185	5.241	PASS
Band17	5MHz	QPSK	23790	25RB#0	4.5150	5.242	PASS
Band17	5MHz	16QAM	23790	25RB#0	4.5045	5.184	PASS
Band17	5MHz	QPSK	23825	25RB#0	4.5296	5.455	PASS
Band17	5MHz	16QAM	23825	25RB#0	4.5416	5.483	PASS
Band17	10MHz	QPSK	23780	50RB#0	8.9593	9.990	PASS
Band17	10MHz	16QAM	23780	50RB#0	8.9776	9.893	PASS
Band17	10MHz	QPSK	23790	50RB#0	8.9940	10.18	PASS
Band17	10MHz	16QAM	23790	50RB#0	8.9908	10.41	PASS
Band17	10MHz	QPSK	23800	50RB#0	8.9875	9.964	PASS
Band17	10MHz	16QAM	23800	50RB#0	8.9963	10.15	PASS



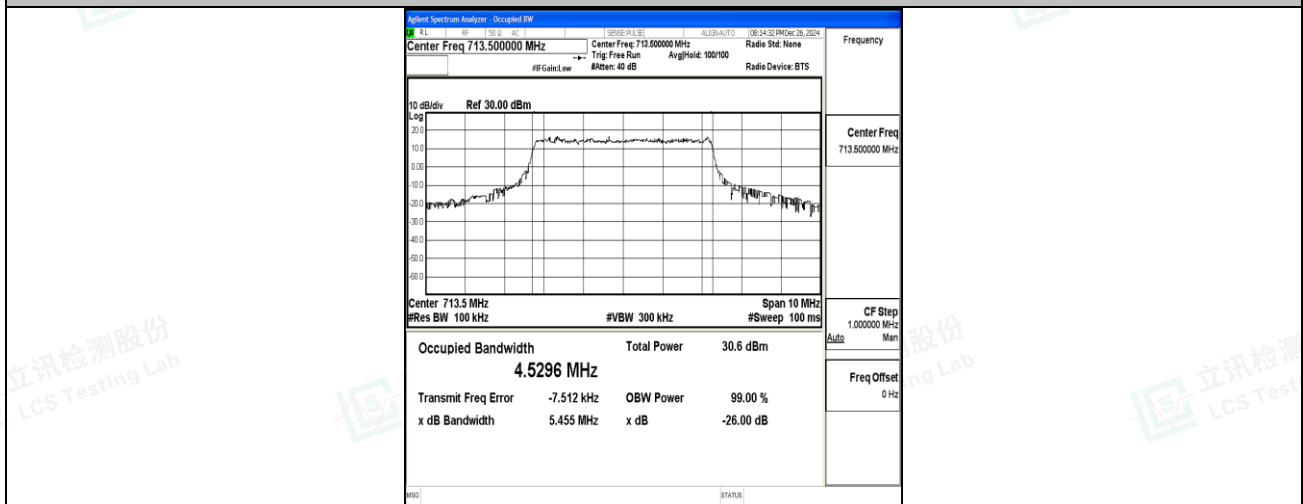


Test Graphs

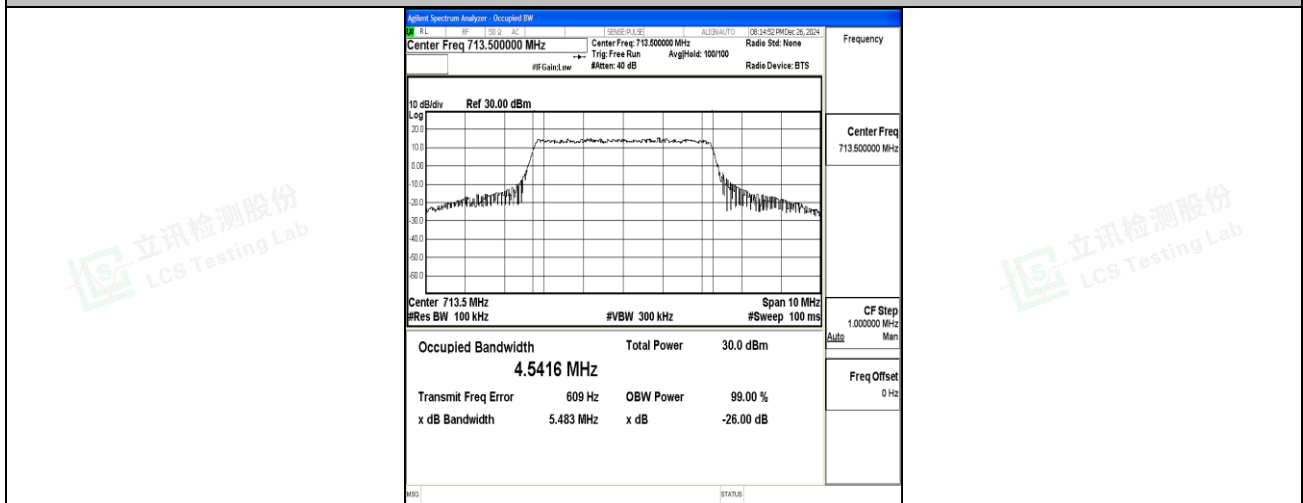




Band17-5MHz-16QAM-23790-25RB#0-PASS

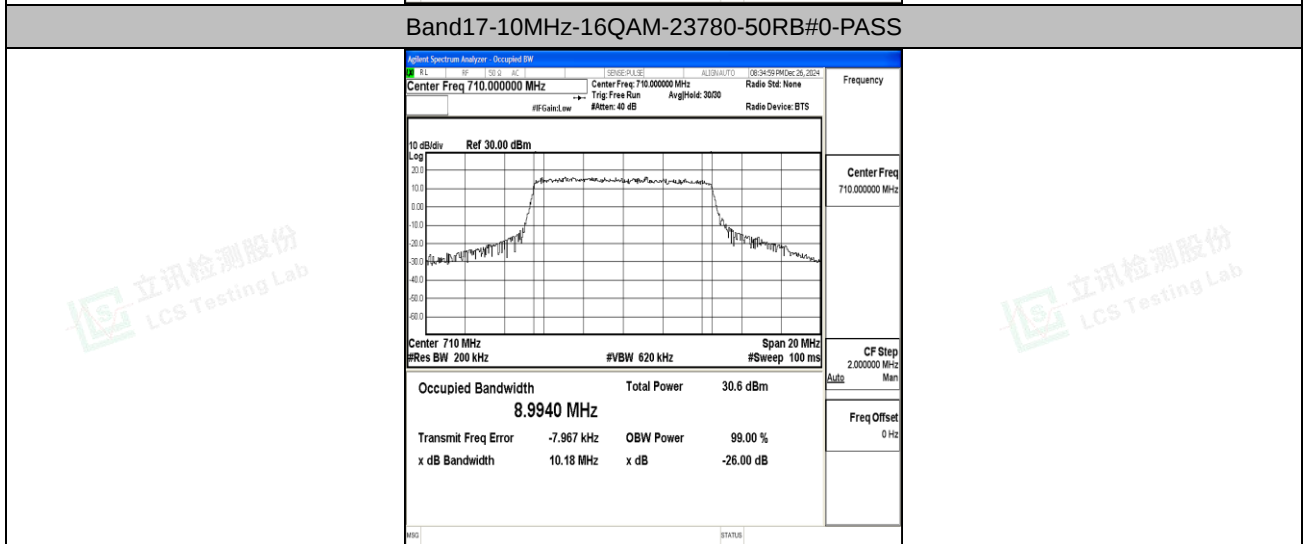
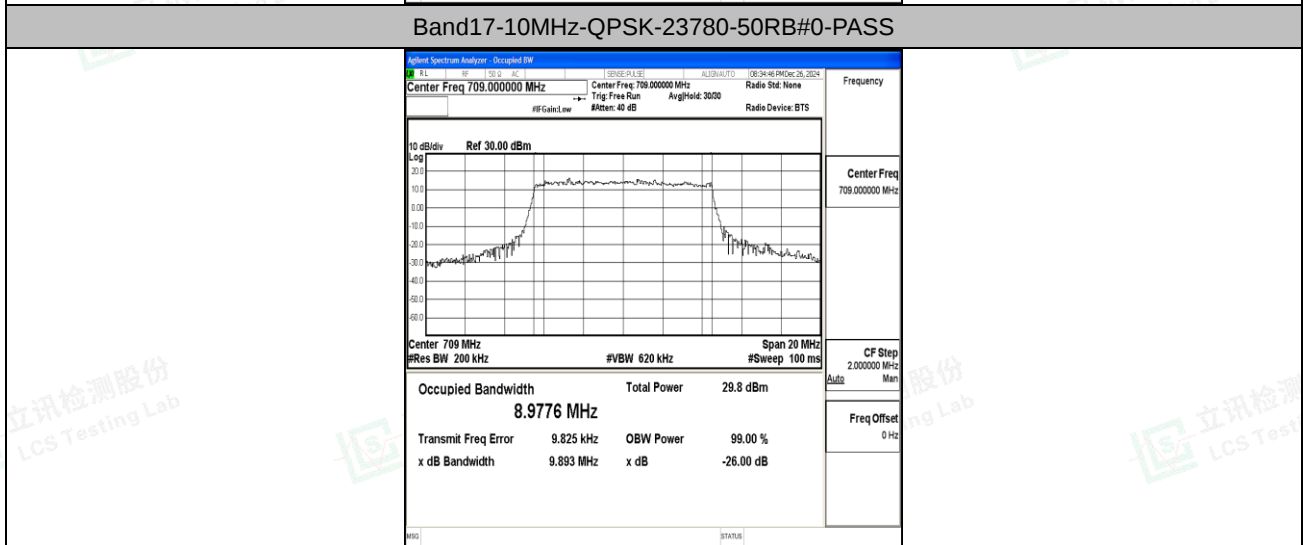
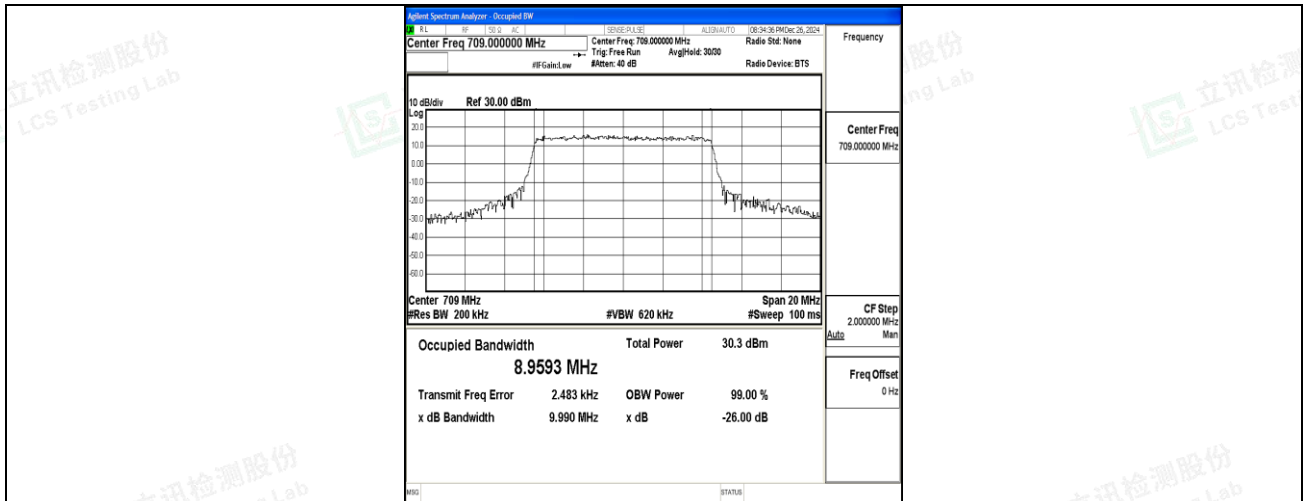


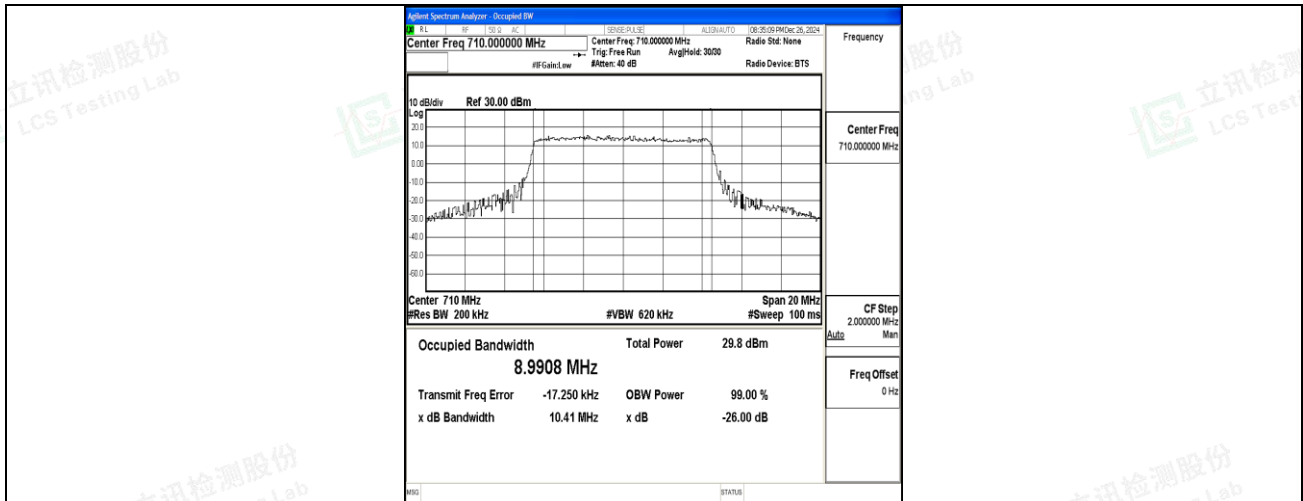
Band17-5MHz-QPSK-23825-25RB#0-PASS



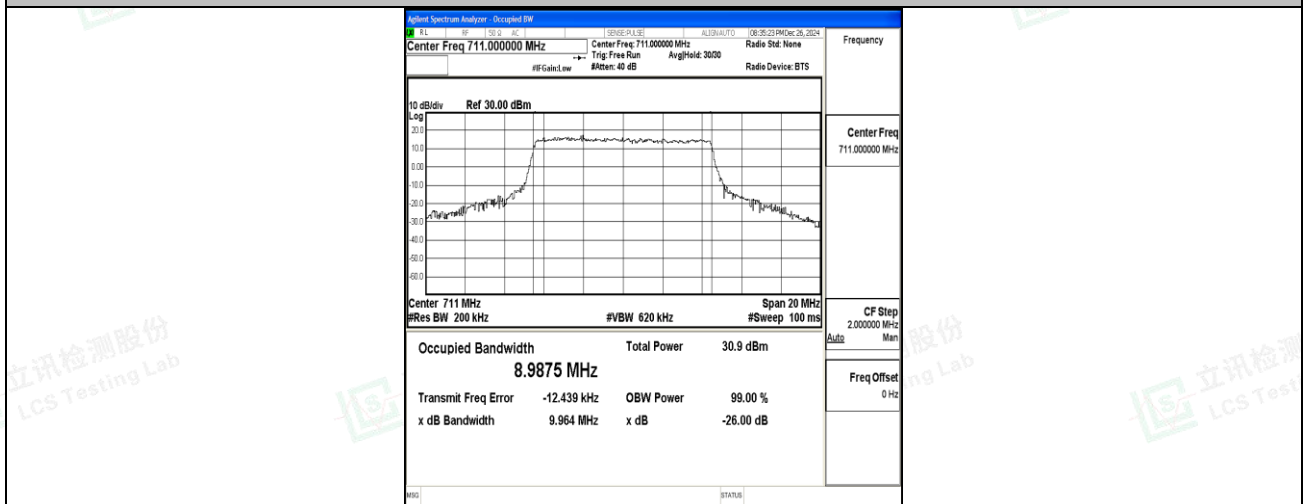
Band17-5MHz-16QAM-23825-25RB#0-PASS



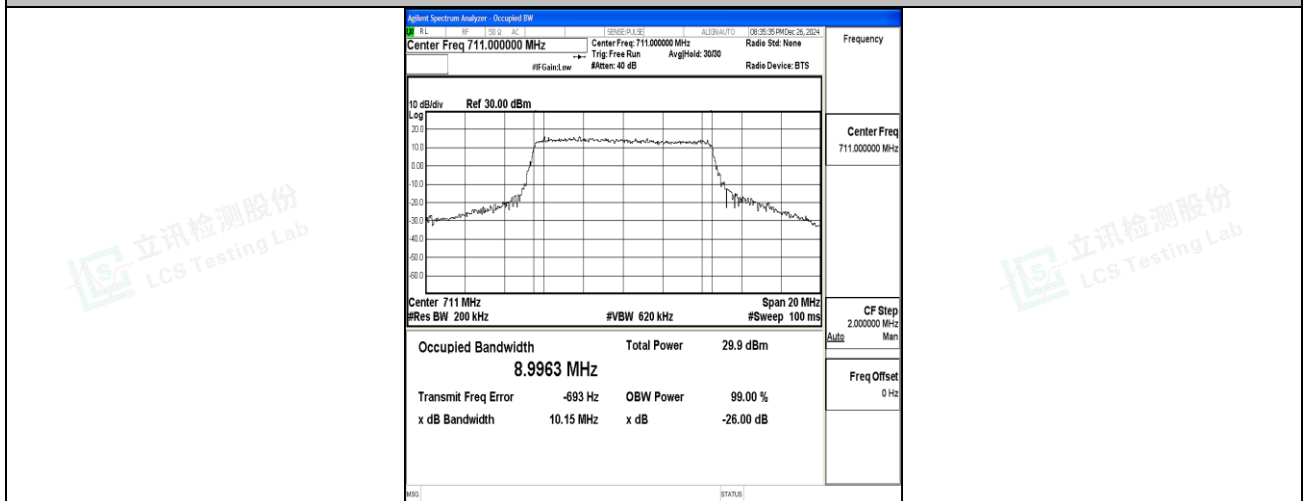




Band17-10MHz-16QAM-23790-50RB#0-PASS



Band17-10MHz-QPSK-23800-50RB#0-PASS



Band17-10MHz-16QAM-23800-50RB#0-PASS





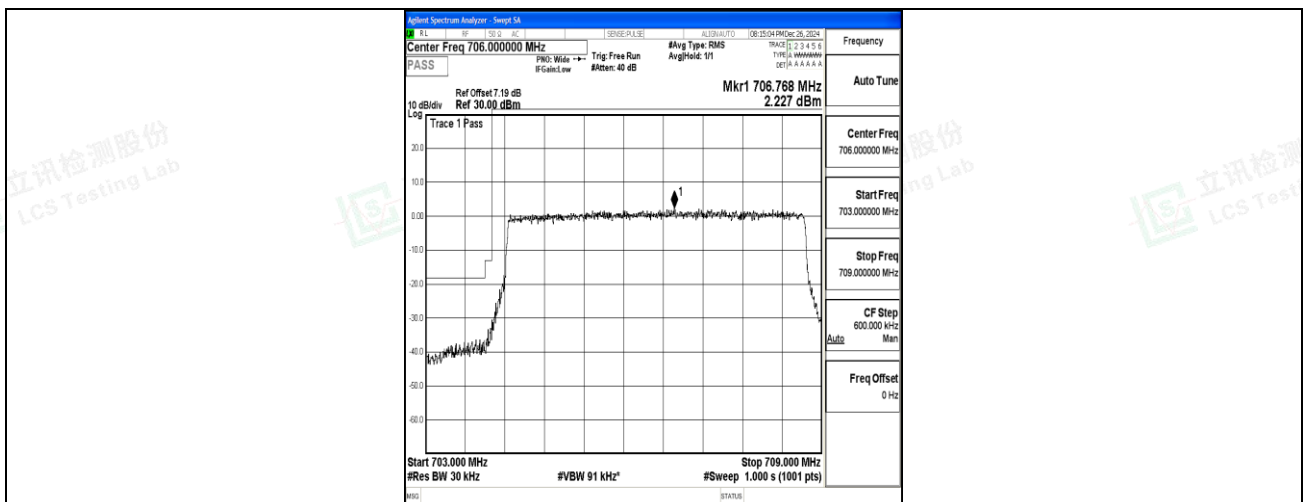


M.4 Band Edge

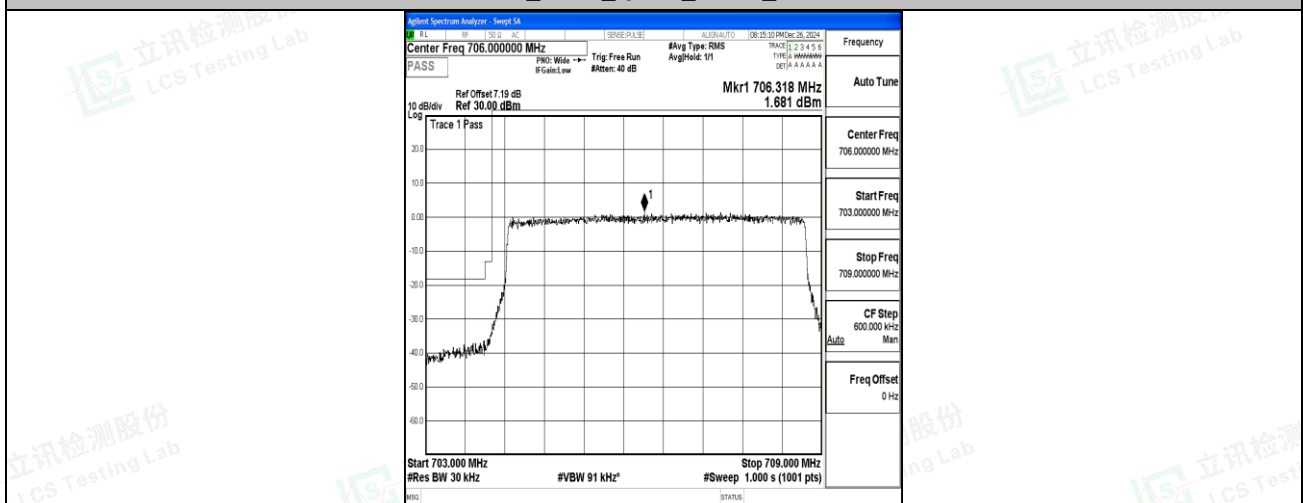
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Peak Frequency	Result(dBm)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	703.77	-36.37	PASS
Band17	5MHz	16QAM	23755	25RB#0	703.89	-36.36	PASS
Band17	5MHz	QPSK	23825	25RB#0	716.11	-35.68	PASS
Band17	5MHz	16QAM	23825	25RB#0	716.14	-34.47	PASS
Band17	10MHz	QPSK	23780	50RB#0	703.89	-42.01	PASS
Band17	10MHz	16QAM	23780	50RB#0	703.86	-42.63	PASS
Band17	10MHz	QPSK	23800	50RB#0	716.14	-39.30	PASS
Band17	10MHz	16QAM	23800	50RB#0	716.15	-39.94	PASS

Test Graphs



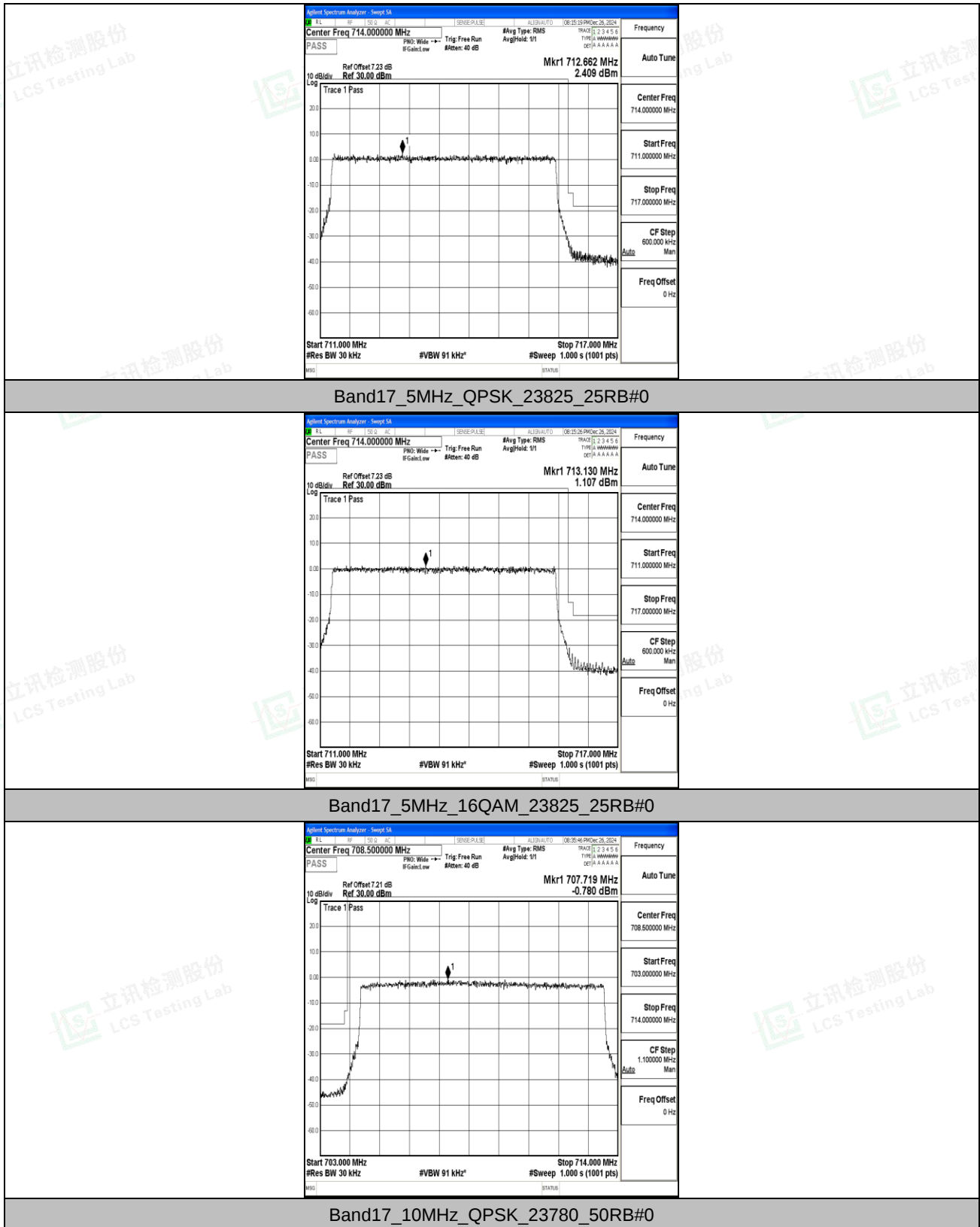
Band17_5MHz_QPSK_23755_25RB#0

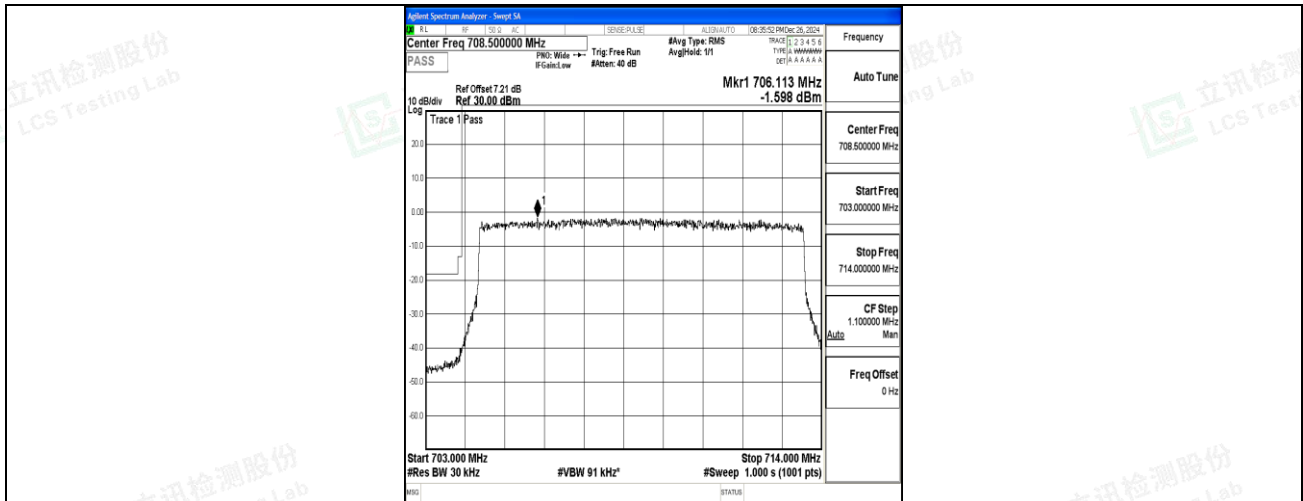


Band17_5MHz_16QAM_23755_25RB#0

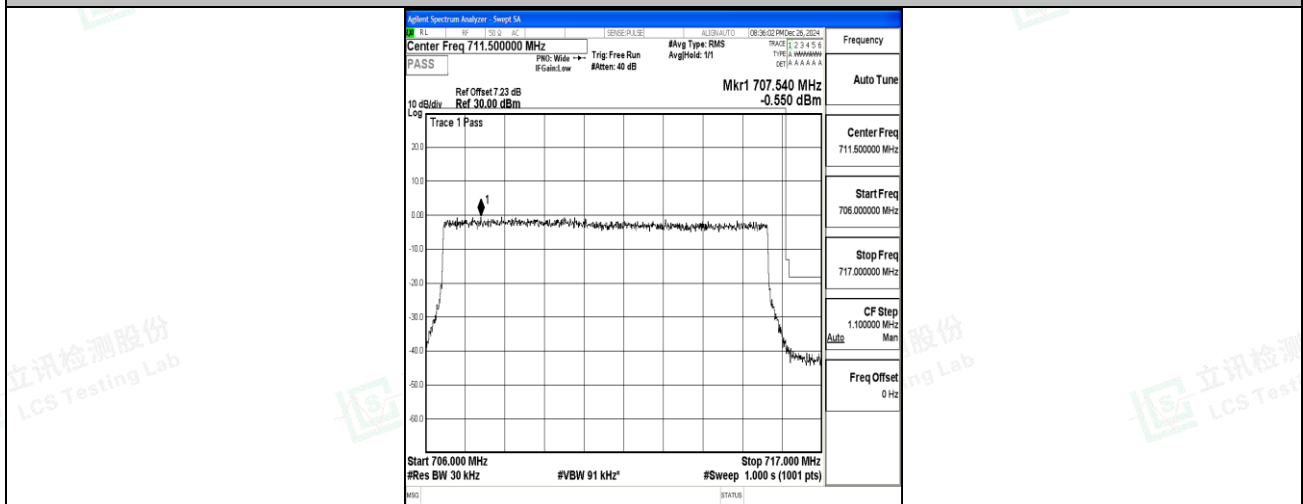


Shenzhen LCS Compliance Testing Laboratory Ltd.
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com
Scan code to check authenticity

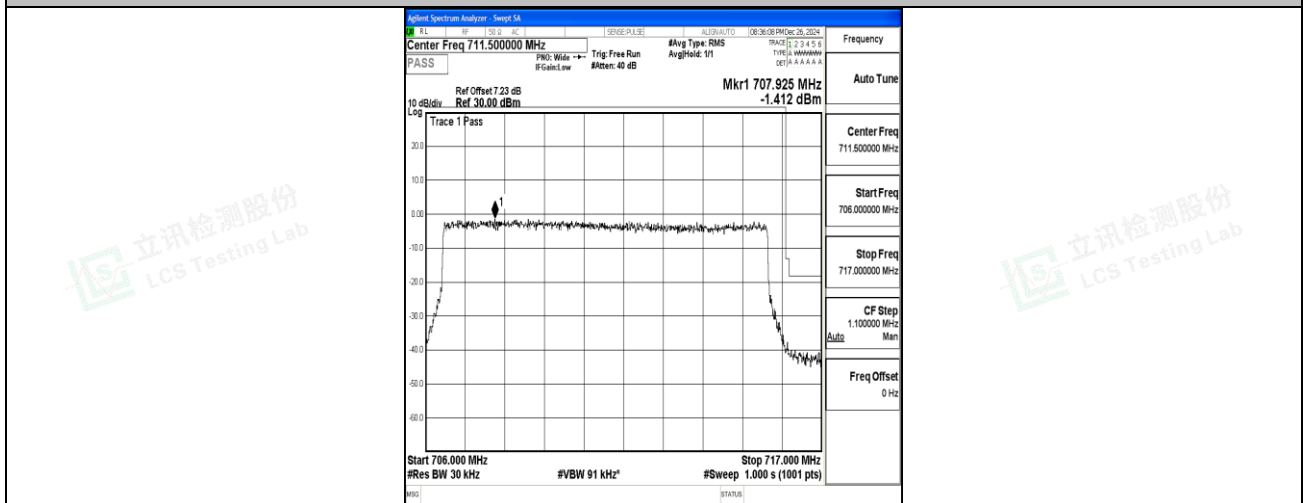




Band17_10MHz_16QAM_23780_50RB#0



Band17_10MHz_QPSK_23800_50RB#0



Band17_10MHz_16QAM_23800_50RB#0





M.5 Conducted Spurious Emission

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band17	5MHz	QPSK	23755	1RB#0	0.009~0.15	-57.51	PASS
Band17	5MHz	QPSK	23755	1RB#0	0.15~30	-51.66	PASS
Band17	5MHz	QPSK	23755	1RB#0	30~1000	-61.13	PASS
Band17	5MHz	QPSK	23755	1RB#0	1000~3000	-44.46	PASS
Band17	5MHz	QPSK	23755	1RB#0	3000~10000	-44.19	PASS
Band17	5MHz	16QAM	23755	1RB#0	0.009~0.15	-59.00	PASS
Band17	5MHz	16QAM	23755	1RB#0	0.15~30	-52.07	PASS
Band17	5MHz	16QAM	23755	1RB#0	30~1000	-60.91	PASS
Band17	5MHz	16QAM	23755	1RB#0	1000~3000	-45.16	PASS
Band17	5MHz	16QAM	23755	1RB#0	3000~10000	-44.31	PASS
Band17	5MHz	QPSK	23790	1RB#0	0.009~0.15	-54.90	PASS
Band17	5MHz	QPSK	23790	1RB#0	0.15~30	-49.72	PASS
Band17	5MHz	QPSK	23790	1RB#0	30~1000	-61.86	PASS
Band17	5MHz	QPSK	23790	1RB#0	1000~3000	-45.90	PASS
Band17	5MHz	QPSK	23790	1RB#0	3000~10000	-44.20	PASS
Band17	5MHz	16QAM	23790	1RB#0	0.009~0.15	-57.59	PASS
Band17	5MHz	16QAM	23790	1RB#0	0.15~30	-51.11	PASS
Band17	5MHz	16QAM	23790	1RB#0	30~1000	-61.84	PASS
Band17	5MHz	16QAM	23790	1RB#0	1000~3000	-46.61	PASS
Band17	5MHz	16QAM	23790	1RB#0	3000~10000	-44.25	PASS
Band17	5MHz	QPSK	23825	1RB#0	0.009~0.15	-57.44	PASS
Band17	5MHz	QPSK	23825	1RB#0	0.15~30	-53.49	PASS
Band17	5MHz	QPSK	23825	1RB#0	30~1000	-61.08	PASS
Band17	5MHz	QPSK	23825	1RB#0	1000~3000	-46.14	PASS
Band17	5MHz	QPSK	23825	1RB#0	3000~10000	-44.22	PASS
Band17	5MHz	16QAM	23825	1RB#0	0.009~0.15	-55.28	PASS
Band17	5MHz	16QAM	23825	1RB#0	0.15~30	-52.24	PASS
Band17	5MHz	16QAM	23825	1RB#0	30~1000	-61.96	PASS
Band17	5MHz	16QAM	23825	1RB#0	1000~3000	-45.46	PASS
Band17	5MHz	16QAM	23825	1RB#0	3000~10000	-44.35	PASS
Band17	10MHz	QPSK	23780	1RB#0	0.009~0.15	-57.70	PASS
Band17	10MHz	QPSK	23780	1RB#0	0.15~30	-53.57	PASS
Band17	10MHz	QPSK	23780	1RB#0	30~1000	-61.74	PASS
Band17	10MHz	QPSK	23780	1RB#0	1000~3000	-45.83	PASS
Band17	10MHz	QPSK	23780	1RB#0	3000~10000	-44.03	PASS
Band17	10MHz	16QAM	23780	1RB#0	0.009~0.15	-56.90	PASS



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

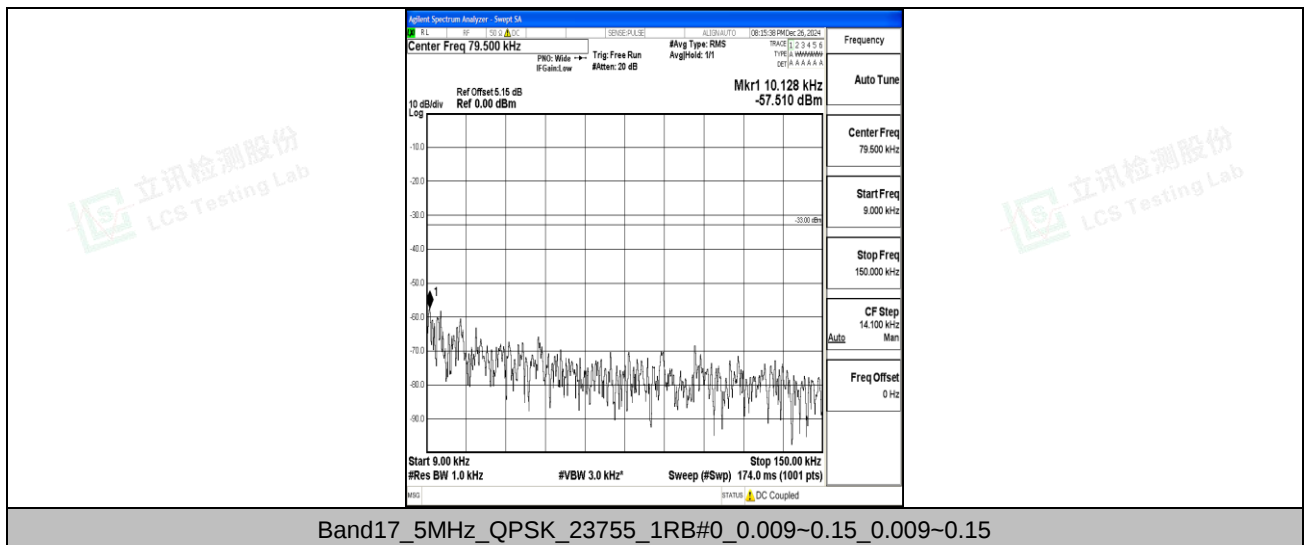
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

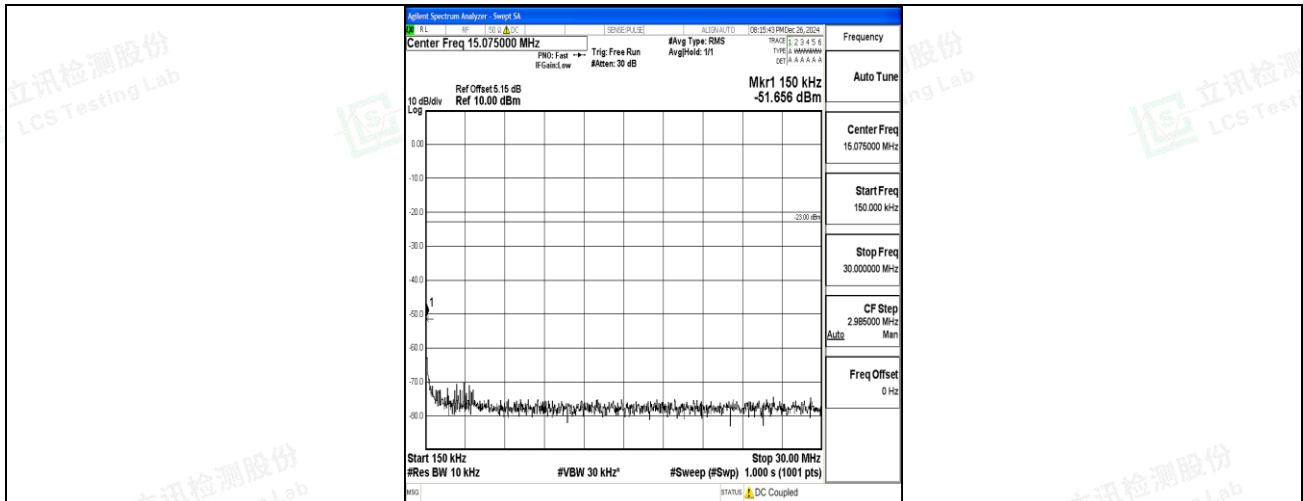
Scan code to check authenticity



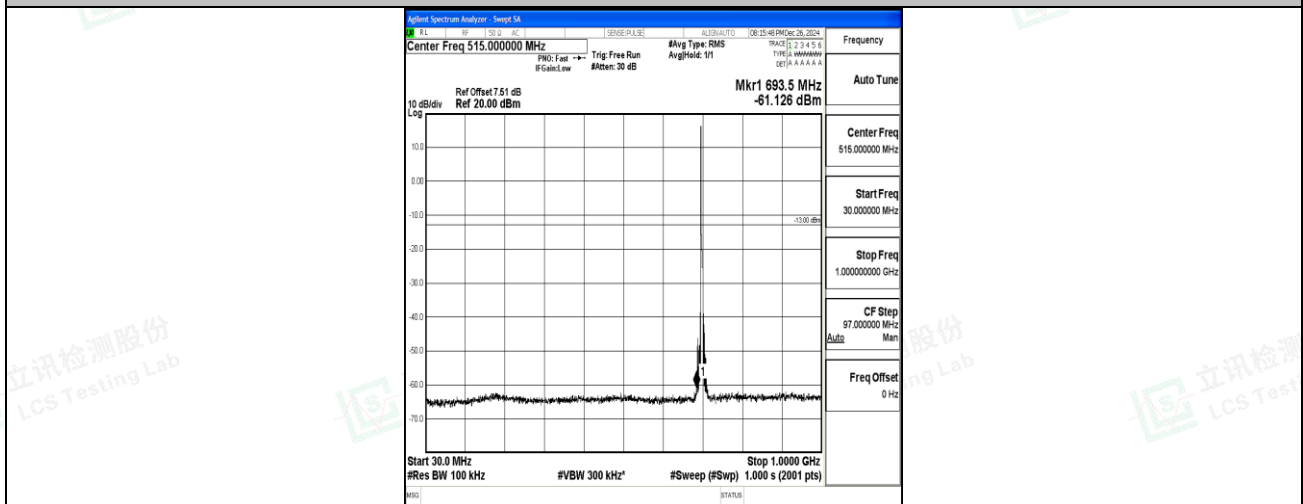
Band17	10MHz	16QAM	23780	1RB#0	0.15~30	-51.91	PASS
Band17	10MHz	16QAM	23780	1RB#0	30~1000	-62.19	PASS
Band17	10MHz	16QAM	23780	1RB#0	1000~3000	-44.46	PASS
Band17	10MHz	16QAM	23780	1RB#0	3000~10000	-43.97	PASS
Band17	10MHz	QPSK	23790	1RB#0	0.009~0.15	-58.31	PASS
Band17	10MHz	QPSK	23790	1RB#0	0.15~30	-51.29	PASS
Band17	10MHz	QPSK	23790	1RB#0	30~1000	-62.07	PASS
Band17	10MHz	QPSK	23790	1RB#0	1000~3000	-45.09	PASS
Band17	10MHz	QPSK	23790	1RB#0	3000~10000	-43.91	PASS
Band17	10MHz	16QAM	23790	1RB#0	0.009~0.15	-54.76	PASS
Band17	10MHz	16QAM	23790	1RB#0	0.15~30	-52.44	PASS
Band17	10MHz	16QAM	23790	1RB#0	30~1000	-61.98	PASS
Band17	10MHz	16QAM	23790	1RB#0	1000~3000	-45.97	PASS
Band17	10MHz	16QAM	23790	1RB#0	3000~10000	-44.16	PASS
Band17	10MHz	QPSK	23800	1RB#0	0.009~0.15	-56.58	PASS
Band17	10MHz	QPSK	23800	1RB#0	0.15~30	-50.46	PASS
Band17	10MHz	QPSK	23800	1RB#0	30~1000	-62.12	PASS
Band17	10MHz	QPSK	23800	1RB#0	1000~3000	-45.44	PASS
Band17	10MHz	QPSK	23800	1RB#0	3000~10000	-44.40	PASS
Band17	10MHz	16QAM	23800	1RB#0	0.009~0.15	-60.55	PASS
Band17	10MHz	16QAM	23800	1RB#0	0.15~30	-52.84	PASS
Band17	10MHz	16QAM	23800	1RB#0	30~1000	-62.26	PASS
Band17	10MHz	16QAM	23800	1RB#0	1000~3000	-39.93	PASS
Band17	10MHz	16QAM	23800	1RB#0	3000~10000	-43.86	PASS

Test Graphs

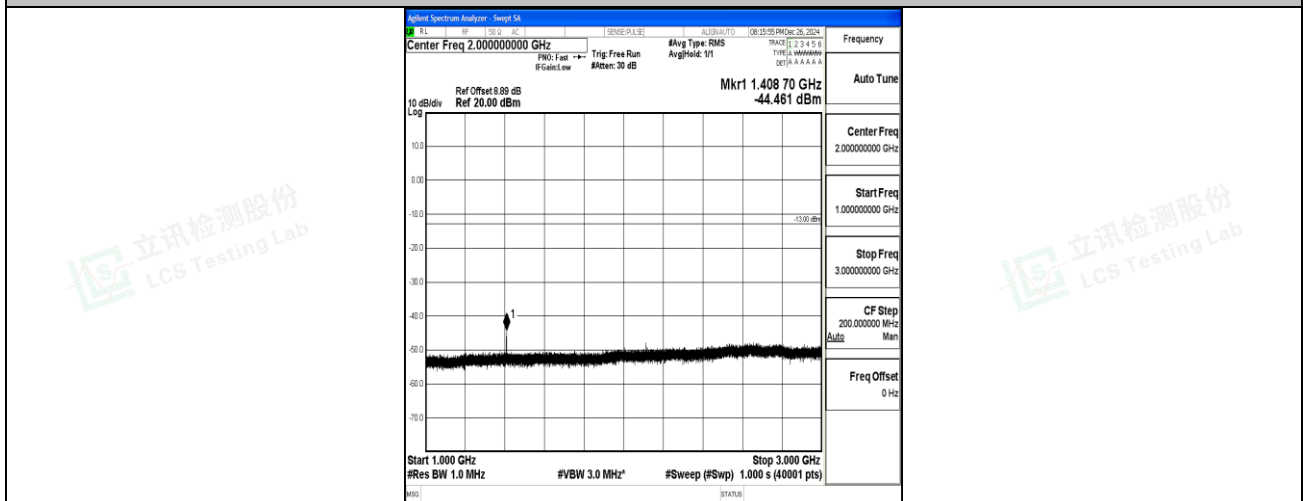




Band17_5MHz_QPSK_23755_1RB#0_0.15~30_0.15~30

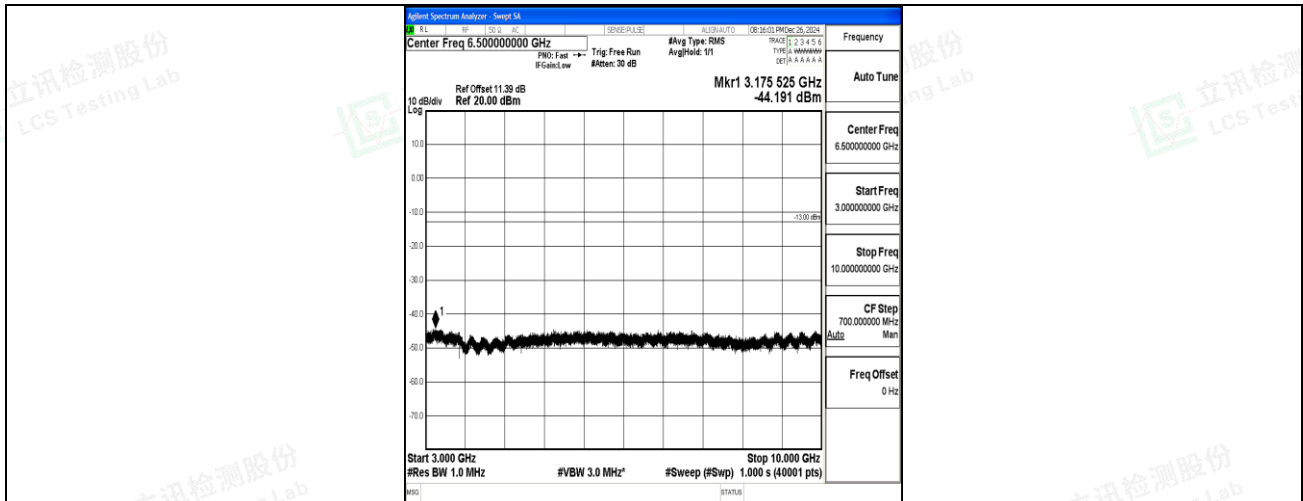


Band17_5MHz_QPSK_23755_1RB#0_30~1000_30~1000

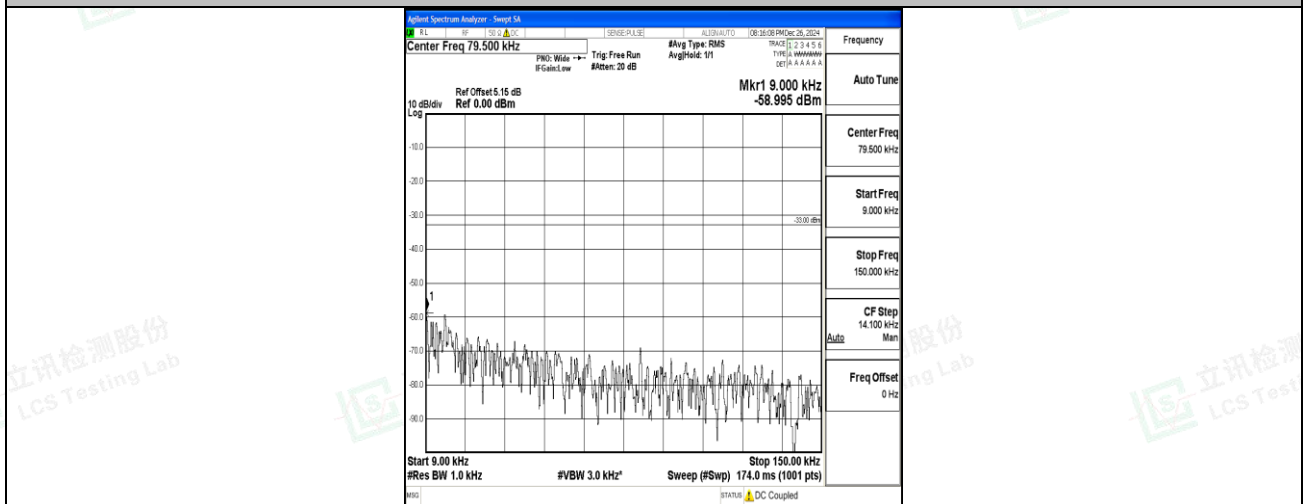


Band17_5MHz_QPSK_23755_1RB#0_1000~3000_1000~3000

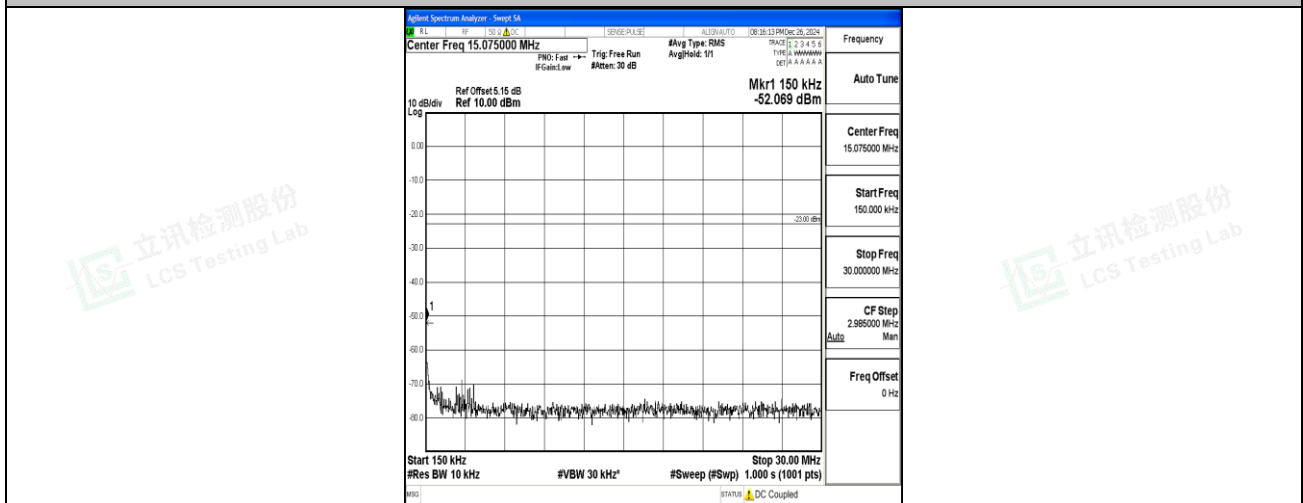




Band17_5MHz_QPSK_23755_1RB#0_3000~10000_3000~10000

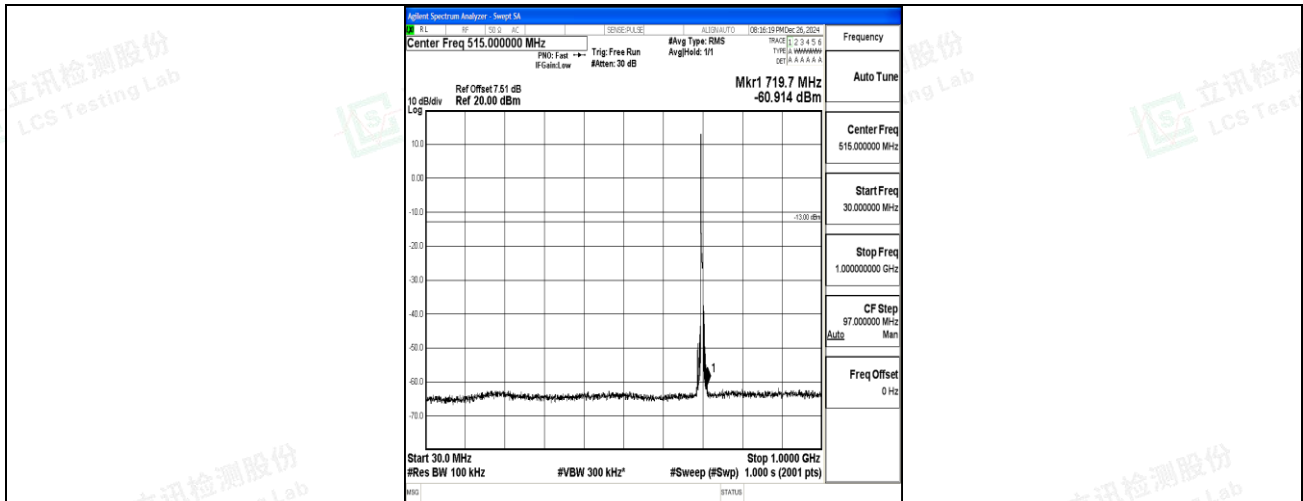


Band17_5MHz_16QAM_23755_1RB#0_0.009~0.15_0.009~0.15

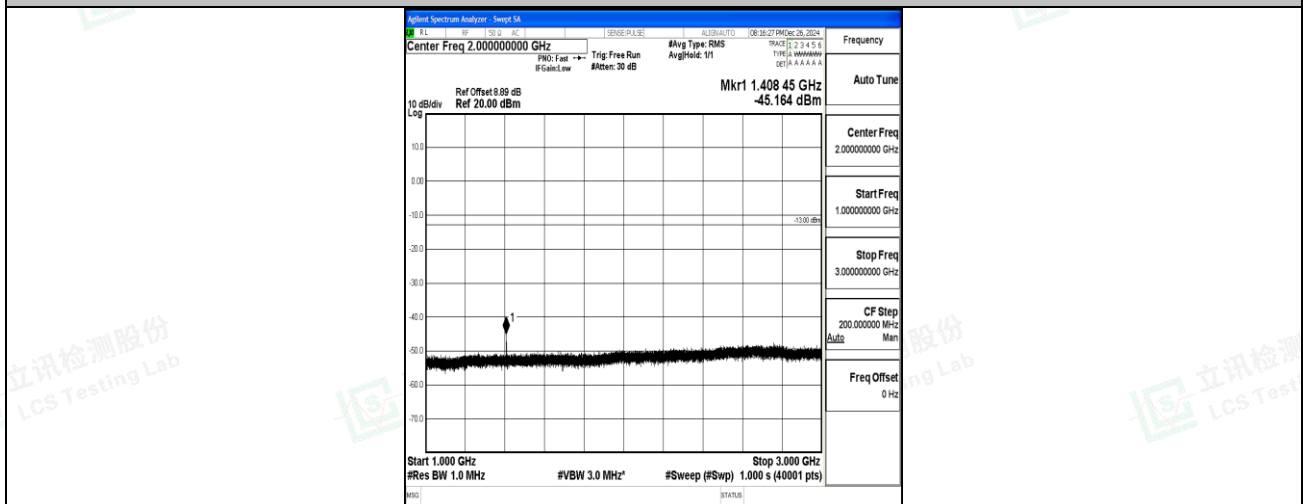


Band17_5MHz_16QAM_23755_1RB#0_0.15~30_0.15~30

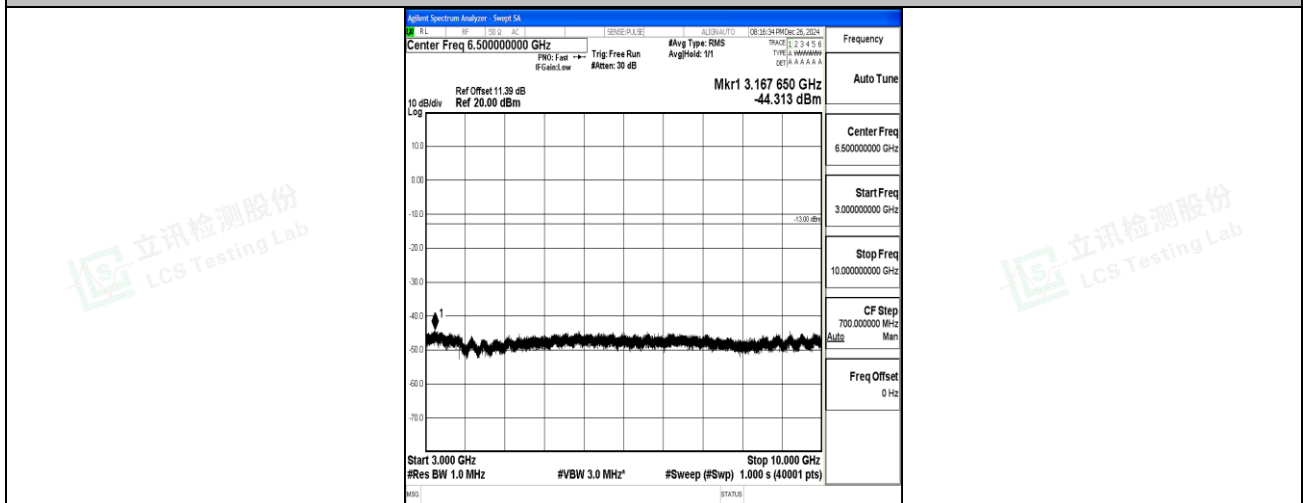




Band17_5MHz_16QAM_23755_1RB#0_30~1000_30~1000

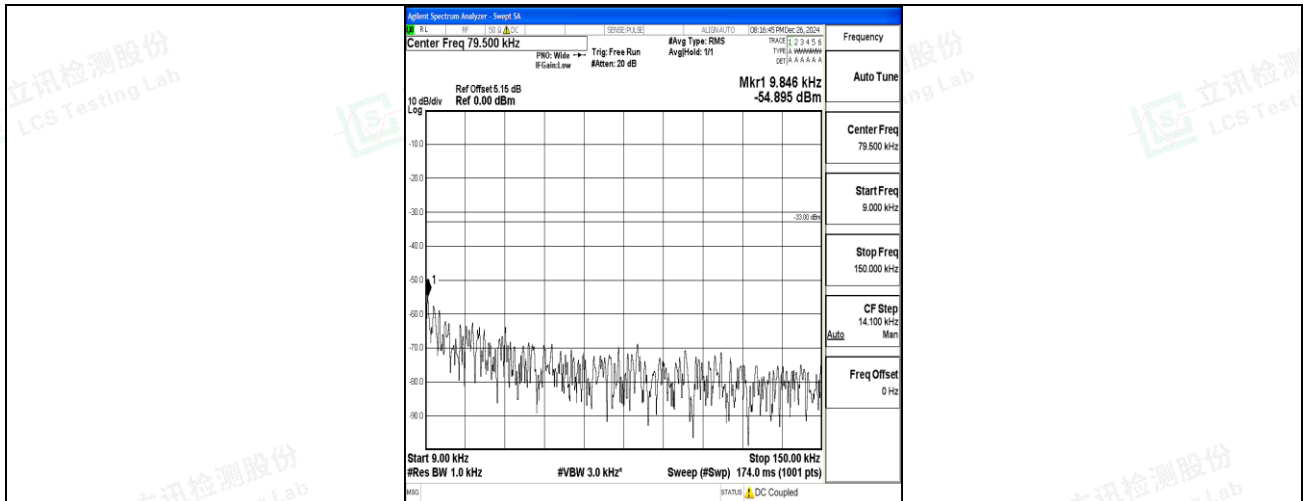


Band17_5MHz_16QAM_23755_1RB#0_1000~3000_1000~3000

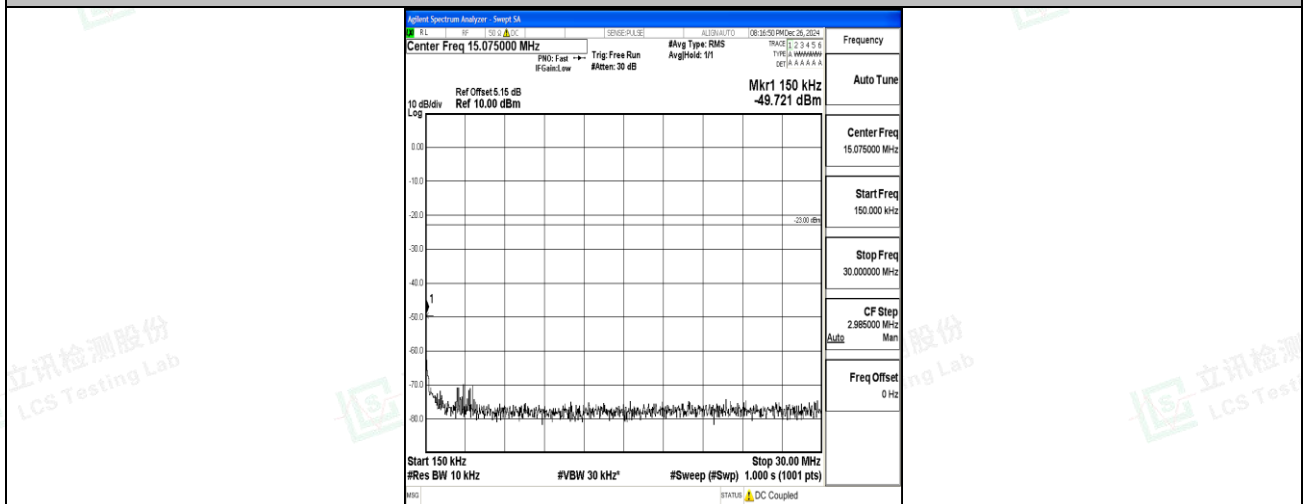


Band17_5MHz_16QAM_23755_1RB#0_3000~10000_3000~10000

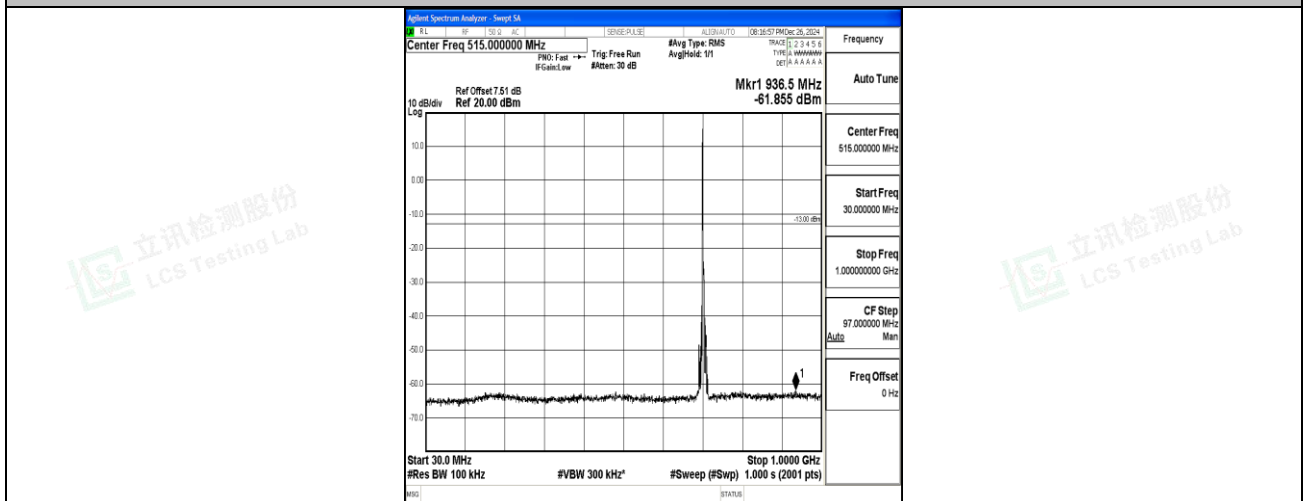




Band17_5MHz_QPSK_23790_1RB#0_0.009~0.15_0.009~0.15

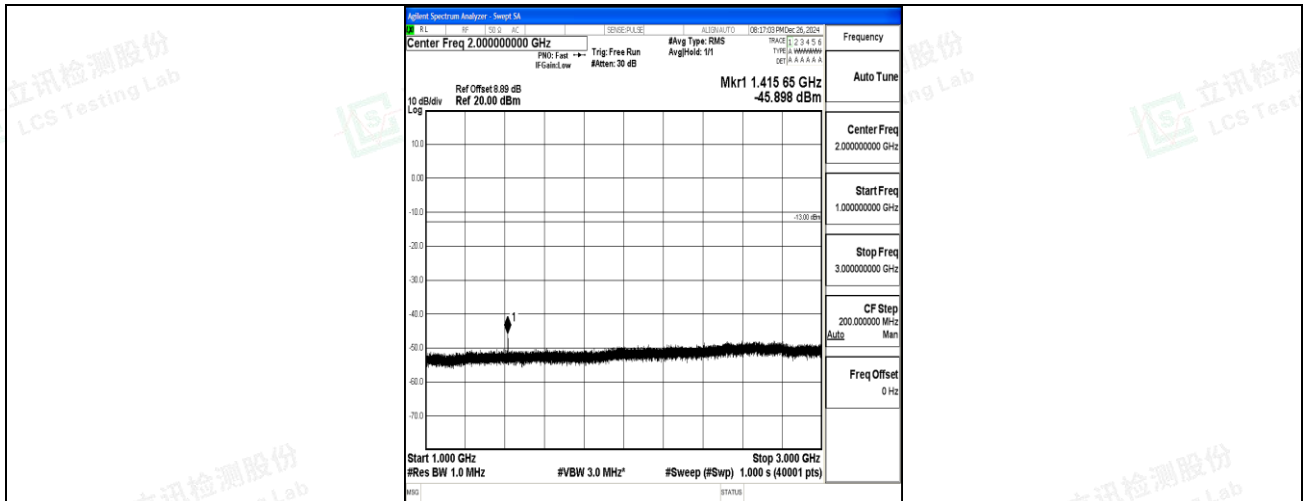


Band17_5MHz_QPSK_23790_1RB#0_0.15~30_0.15~30

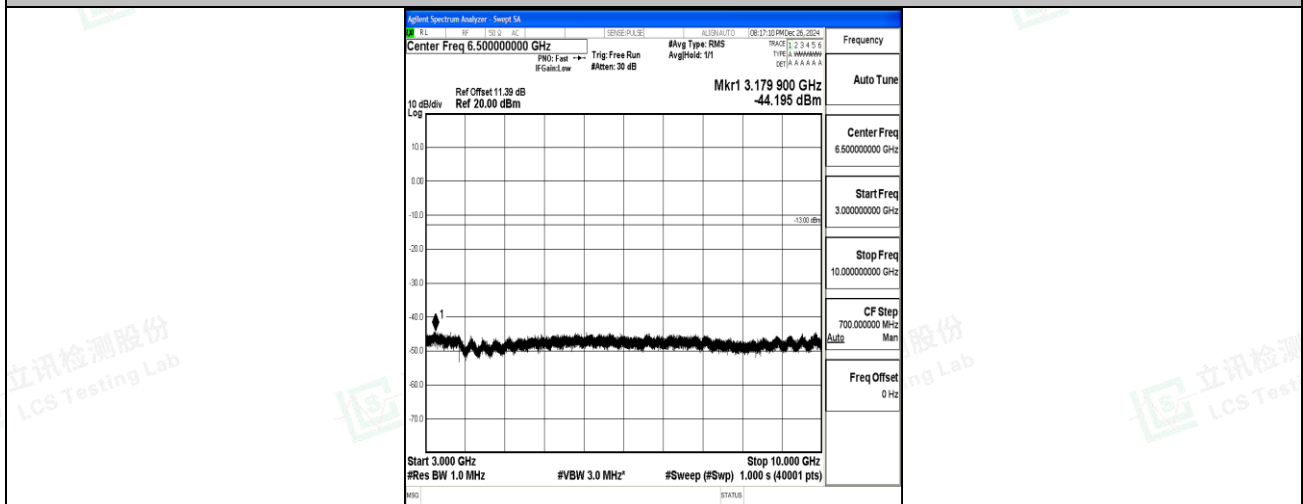


Band17_5MHz_QPSK_23790_1RB#0_30~1000_30~1000

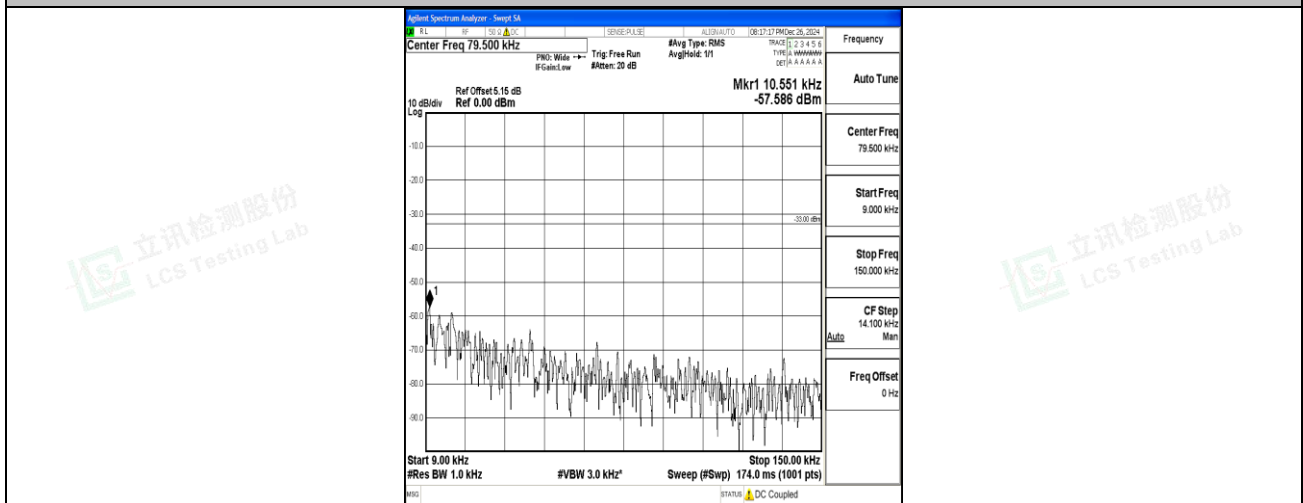




Band17_5MHz_QPSK_23790_1RB#0_1000~3000_1000~3000

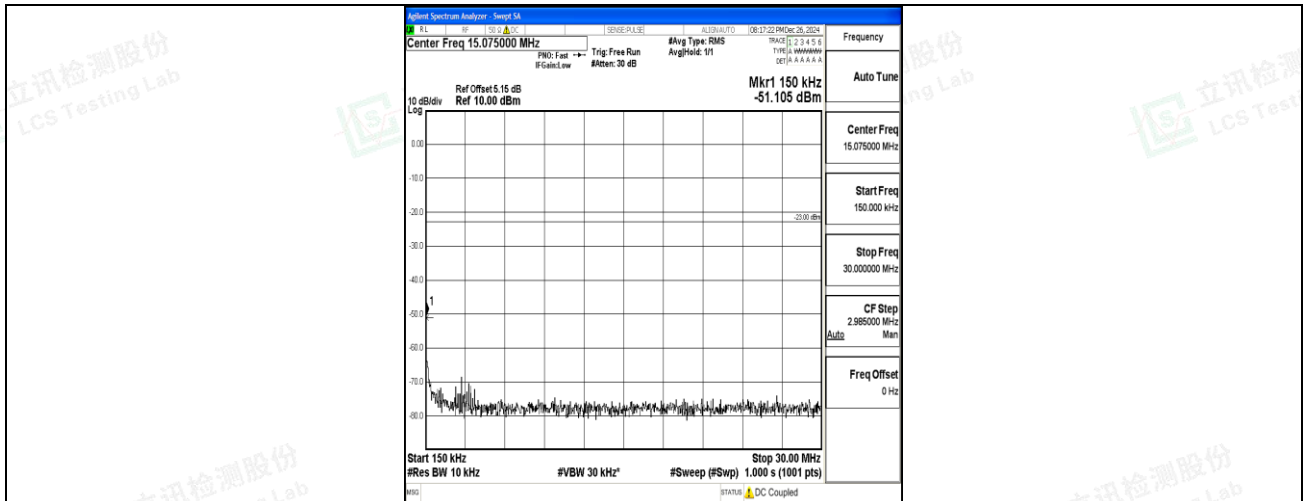


Band17_5MHz_QPSK_23790_1RB#0_3000~10000_3000~10000

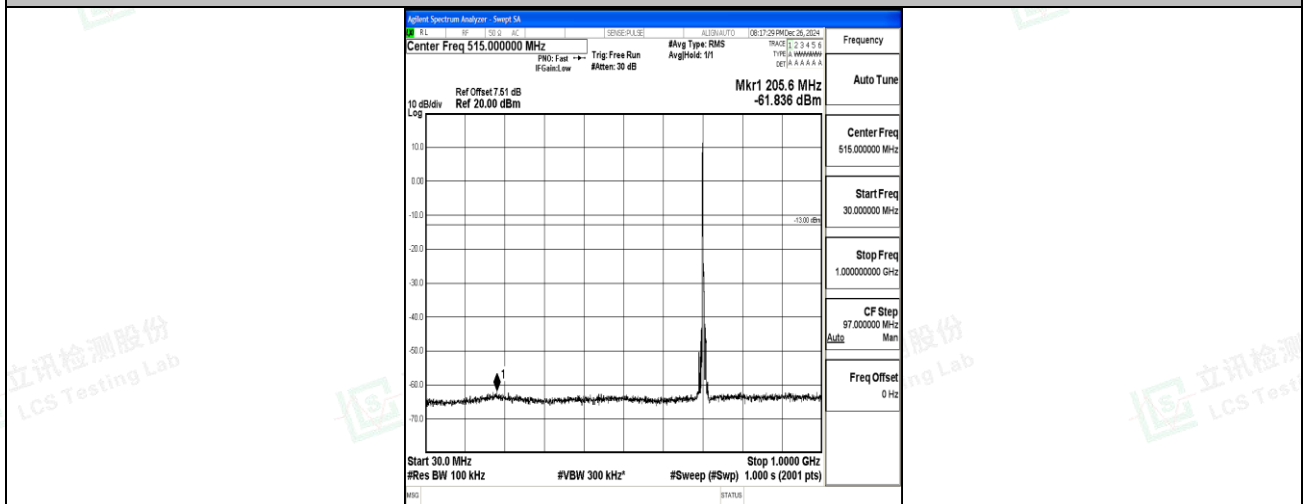


Band17_5MHz_16QAM_23790_1RB#0_0.009~0.15_0.009~0.15

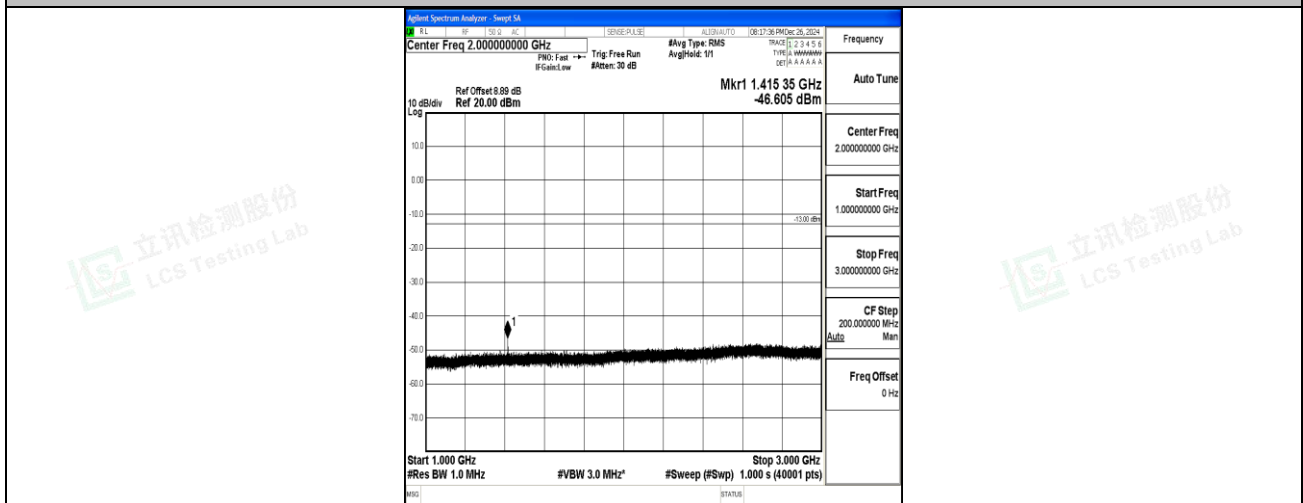




Band17_5MHz_16QAM_23790_1RB#0_0.15~30_0.15~30



Band17_5MHz_16QAM_23790_1RB#0_30~1000_30~1000



Band17_5MHz_16QAM_23790_1RB#0_1000~3000_1000~3000

