



Appendix H: Test Data for E-UTRA Band 5

Product Name: Smart Phone

Test Model: HPPL63A

Environmental Conditions

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





H.1 Conducted Output Power Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	23.60	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	23.48	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	23.54	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	23.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	23.56	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	23.78	PASS
Band5	1.4MHz	QPSK	20407	3RB#0	23.61	PASS
Band5	1.4MHz	16QAM	20407	3RB#0	22.99	PASS
Band5	1.4MHz	QPSK	20407	3RB#1	23.60	PASS
Band5	1.4MHz	16QAM	20407	3RB#1	22.98	PASS
Band5	1.4MHz	QPSK	20407	3RB#3	23.54	PASS
Band5	1.4MHz	16QAM	20407	3RB#3	22.46	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	22.89	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	22.70	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	23.76	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	22.49	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	23.84	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	22.56	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	23.92	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	23.42	PASS
Band5	1.4MHz	QPSK	20525	3RB#0	23.88	PASS
Band5	1.4MHz	16QAM	20525	3RB#0	23.28	PASS
Band5	1.4MHz	QPSK	20525	3RB#1	23.88	PASS
Band5	1.4MHz	16QAM	20525	3RB#1	23.31	PASS
Band5	1.4MHz	QPSK	20525	3RB#3	23.72	PASS
Band5	1.4MHz	16QAM	20525	3RB#3	23.11	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	22.98	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	22.47	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	23.38	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	23.56	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	23.05	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	22.76	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	21.94	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	21.83	PASS





Band5	1.4MHz	QPSK	20643	3RB#0	23.41	PASS
Band5	1.4MHz	16QAM	20643	3RB#0	22.71	PASS
Band5	1.4MHz	QPSK	20643	3RB#1	23.41	PASS
Band5	1.4MHz	16QAM	20643	3RB#1	22.72	PASS
Band5	1.4MHz	QPSK	20643	3RB#3	22.46	PASS
Band5	1.4MHz	16QAM	20643	3RB#3	22.24	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	22.75	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	22.31	PASS
Band5	3MHz	QPSK	20415	1RB#0	23.38	PASS
Band5	3MHz	16QAM	20415	1RB#0	22.76	PASS
Band5	3MHz	QPSK	20415	1RB#8	23.42	PASS
Band5	3MHz	16QAM	20415	1RB#8	22.81	PASS
Band5	3MHz	QPSK	20415	1RB#14	23.42	PASS
Band5	3MHz	16QAM	20415	1RB#14	22.85	PASS
Band5	3MHz	QPSK	20415	8RB#0	22.60	PASS
Band5	3MHz	16QAM	20415	8RB#0	22.16	PASS
Band5	3MHz	QPSK	20415	8RB#4	22.68	PASS
Band5	3MHz	16QAM	20415	8RB#4	22.19	PASS
Band5	3MHz	QPSK	20415	8RB#7	22.58	PASS
Band5	3MHz	16QAM	20415	8RB#7	22.15	PASS
Band5	3MHz	QPSK	20415	15RB#0	22.54	PASS
Band5	3MHz	16QAM	20415	15RB#0	21.91	PASS
Band5	3MHz	QPSK	20525	1RB#0	23.74	PASS
Band5	3MHz	16QAM	20525	1RB#0	22.31	PASS
Band5	3MHz	QPSK	20525	1RB#8	23.69	PASS
Band5	3MHz	16QAM	20525	1RB#8	23.14	PASS
Band5	3MHz	QPSK	20525	1RB#14	23.82	PASS
Band5	3MHz	16QAM	20525	1RB#14	23.23	PASS
Band5	3MHz	QPSK	20525	8RB#0	22.69	PASS
Band5	3MHz	16QAM	20525	8RB#0	22.36	PASS
Band5	3MHz	QPSK	20525	8RB#4	22.72	PASS
Band5	3MHz	16QAM	20525	8RB#4	22.37	PASS
Band5	3MHz	QPSK	20525	8RB#7	22.84	PASS
Band5	3MHz	16QAM	20525	8RB#7	22.44	PASS
Band5	3MHz	QPSK	20525	15RB#0	22.76	PASS
Band5	3MHz	16QAM	20525	15RB#0	22.04	PASS
Band5	3MHz	QPSK	20635	1RB#0	23.44	PASS
Band5	3MHz	16QAM	20635	1RB#0	23.61	PASS
Band5	3MHz	QPSK	20635	1RB#8	23.33	PASS
Band5	3MHz	16QAM	20635	1RB#8	23.47	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



Band5	3MHz	QPSK	20635	1RB#14	21.93	PASS
Band5	3MHz	16QAM	20635	1RB#14	21.78	PASS
Band5	3MHz	QPSK	20635	8RB#0	22.87	PASS
Band5	3MHz	16QAM	20635	8RB#0	22.22	PASS
Band5	3MHz	QPSK	20635	8RB#4	22.78	PASS
Band5	3MHz	16QAM	20635	8RB#4	22.22	PASS
Band5	3MHz	QPSK	20635	8RB#7	22.60	PASS
Band5	3MHz	16QAM	20635	8RB#7	22.16	PASS
Band5	3MHz	QPSK	20635	15RB#0	22.66	PASS
Band5	3MHz	16QAM	20635	15RB#0	22.06	PASS
Band5	5MHz	QPSK	20425	1RB#0	23.38	PASS
Band5	5MHz	16QAM	20425	1RB#0	22.32	PASS
Band5	5MHz	QPSK	20425	1RB#12	23.55	PASS
Band5	5MHz	16QAM	20425	1RB#12	22.32	PASS
Band5	5MHz	QPSK	20425	1RB#24	23.69	PASS
Band5	5MHz	16QAM	20425	1RB#24	22.41	PASS
Band5	5MHz	QPSK	20425	12RB#0	22.57	PASS
Band5	5MHz	16QAM	20425	12RB#0	22.03	PASS
Band5	5MHz	QPSK	20425	12RB#6	22.57	PASS
Band5	5MHz	16QAM	20425	12RB#6	22.03	PASS
Band5	5MHz	QPSK	20425	12RB#13	22.46	PASS
Band5	5MHz	16QAM	20425	12RB#13	22.00	PASS
Band5	5MHz	QPSK	20425	25RB#0	22.54	PASS
Band5	5MHz	16QAM	20425	25RB#0	22.17	PASS
Band5	5MHz	QPSK	20525	1RB#0	23.37	PASS
Band5	5MHz	16QAM	20525	1RB#0	23.41	PASS
Band5	5MHz	QPSK	20525	1RB#12	23.53	PASS
Band5	5MHz	16QAM	20525	1RB#12	23.44	PASS
Band5	5MHz	QPSK	20525	1RB#24	24.00	PASS
Band5	5MHz	16QAM	20525	1RB#24	23.21	PASS
Band5	5MHz	QPSK	20525	12RB#0	22.77	PASS
Band5	5MHz	16QAM	20525	12RB#0	22.14	PASS
Band5	5MHz	QPSK	20525	12RB#6	22.75	PASS
Band5	5MHz	16QAM	20525	12RB#6	22.15	PASS
Band5	5MHz	QPSK	20525	12RB#13	22.75	PASS
Band5	5MHz	16QAM	20525	12RB#13	22.44	PASS
Band5	5MHz	QPSK	20525	25RB#0	22.80	PASS
Band5	5MHz	16QAM	20525	25RB#0	22.06	PASS
Band5	5MHz	QPSK	20625	1RB#0	23.64	PASS
Band5	5MHz	16QAM	20625	1RB#0	23.07	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



Band5	5MHz	QPSK	20625	1RB#12	23.46	PASS
Band5	5MHz	16QAM	20625	1RB#12	22.95	PASS
Band5	5MHz	QPSK	20625	1RB#24	22.42	PASS
Band5	5MHz	16QAM	20625	1RB#24	22.08	PASS
Band5	5MHz	QPSK	20625	12RB#0	22.91	PASS
Band5	5MHz	16QAM	20625	12RB#0	22.34	PASS
Band5	5MHz	QPSK	20625	12RB#6	22.91	PASS
Band5	5MHz	16QAM	20625	12RB#6	22.37	PASS
Band5	5MHz	QPSK	20625	12RB#13	22.79	PASS
Band5	5MHz	16QAM	20625	12RB#13	22.20	PASS
Band5	5MHz	QPSK	20625	25RB#0	22.98	PASS
Band5	5MHz	16QAM	20625	25RB#0	22.33	PASS
Band5	10MHz	QPSK	20450	1RB#0	23.39	PASS
Band5	10MHz	16QAM	20450	1RB#0	22.93	PASS
Band5	10MHz	QPSK	20450	1RB#24	23.52	PASS
Band5	10MHz	16QAM	20450	1RB#24	22.96	PASS
Band5	10MHz	QPSK	20450	1RB#49	23.48	PASS
Band5	10MHz	16QAM	20450	1RB#49	23.12	PASS
Band5	10MHz	QPSK	20450	25RB#0	22.60	PASS
Band5	10MHz	16QAM	20450	25RB#0	21.94	PASS
Band5	10MHz	QPSK	20450	25RB#12	22.52	PASS
Band5	10MHz	16QAM	20450	25RB#12	21.93	PASS
Band5	10MHz	QPSK	20450	25RB#25	22.59	PASS
Band5	10MHz	16QAM	20450	25RB#25	22.02	PASS
Band5	10MHz	QPSK	20450	50RB#0	22.54	PASS
Band5	10MHz	16QAM	20450	50RB#0	22.03	PASS
Band5	10MHz	QPSK	20525	1RB#0	23.58	PASS
Band5	10MHz	16QAM	20525	1RB#0	23.12	PASS
Band5	10MHz	QPSK	20525	1RB#24	23.69	PASS
Band5	10MHz	16QAM	20525	1RB#24	23.29	PASS
Band5	10MHz	QPSK	20525	1RB#49	23.76	PASS
Band5	10MHz	16QAM	20525	1RB#49	23.29	PASS
Band5	10MHz	QPSK	20525	25RB#0	22.75	PASS
Band5	10MHz	16QAM	20525	25RB#0	22.28	PASS
Band5	10MHz	QPSK	20525	25RB#12	22.62	PASS
Band5	10MHz	16QAM	20525	25RB#12	22.29	PASS
Band5	10MHz	QPSK	20525	25RB#25	22.77	PASS
Band5	10MHz	16QAM	20525	25RB#25	22.42	PASS
Band5	10MHz	QPSK	20525	50RB#0	22.89	PASS
Band5	10MHz	16QAM	20525	50RB#0	22.39	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



Band5	10MHz	QPSK	20600	1RB#0	23.75	PASS
Band5	10MHz	16QAM	20600	1RB#0	23.78	PASS
Band5	10MHz	QPSK	20600	1RB#24	23.67	PASS
Band5	10MHz	16QAM	20600	1RB#24	23.64	PASS
Band5	10MHz	QPSK	20600	1RB#49	23.02	PASS
Band5	10MHz	16QAM	20600	1RB#49	22.74	PASS
Band5	10MHz	QPSK	20600	25RB#0	22.78	PASS
Band5	10MHz	16QAM	20600	25RB#0	22.40	PASS
Band5	10MHz	QPSK	20600	25RB#12	22.87	PASS
Band5	10MHz	16QAM	20600	25RB#12	22.26	PASS
Band5	10MHz	QPSK	20600	25RB#25	22.84	PASS
Band5	10MHz	16QAM	20600	25RB#25	22.56	PASS
Band5	10MHz	QPSK	20600	50RB#0	22.89	PASS
Band5	10MHz	16QAM	20600	50RB#0	22.39	PASS





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

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	3.53	13	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	4.62	13	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	4.58	13	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	5.38	13	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	3.80	13	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	4.75	13	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	4.71	13	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	5.55	13	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	2.68	13	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	3.91	13	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	3.69	13	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	4.60	13	PASS
Band5	3MHz	QPSK	20415	1RB#0	3.51	13	PASS
Band5	3MHz	16QAM	20415	1RB#0	4.43	13	PASS
Band5	3MHz	QPSK	20415	15RB#0	4.89	13	PASS
Band5	3MHz	16QAM	20415	15RB#0	5.68	13	PASS
Band5	3MHz	QPSK	20525	1RB#0	3.88	13	PASS
Band5	3MHz	16QAM	20525	1RB#0	4.80	13	PASS
Band5	3MHz	QPSK	20525	15RB#0	4.83	13	PASS
Band5	3MHz	16QAM	20525	15RB#0	5.61	13	PASS
Band5	3MHz	QPSK	20635	1RB#0	3.20	13	PASS
Band5	3MHz	16QAM	20635	1RB#0	4.41	13	PASS
Band5	3MHz	QPSK	20635	15RB#0	4.02	13	PASS
Band5	3MHz	16QAM	20635	15RB#0	4.95	13	PASS
Band5	5MHz	QPSK	20425	1RB#0	5.02	13	PASS
Band5	5MHz	16QAM	20425	1RB#0	5.74	13	PASS
Band5	5MHz	QPSK	20425	25RB#0	5.73	13	PASS
Band5	5MHz	16QAM	20425	25RB#0	6.34	13	PASS
Band5	5MHz	QPSK	20525	1RB#0	4.80	13	PASS
Band5	5MHz	16QAM	20525	1RB#0	4.92	13	PASS
Band5	5MHz	QPSK	20525	25RB#0	5.60	13	PASS
Band5	5MHz	16QAM	20525	25RB#0	6.15	13	PASS
Band5	10MHz	QPSK	20450	1RB#0	3.62	13	PASS
Band5	10MHz	16QAM	20450	1RB#0	4.54	13	PASS
Band5	10MHz	QPSK	20450	50RB#0	5.42	13	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



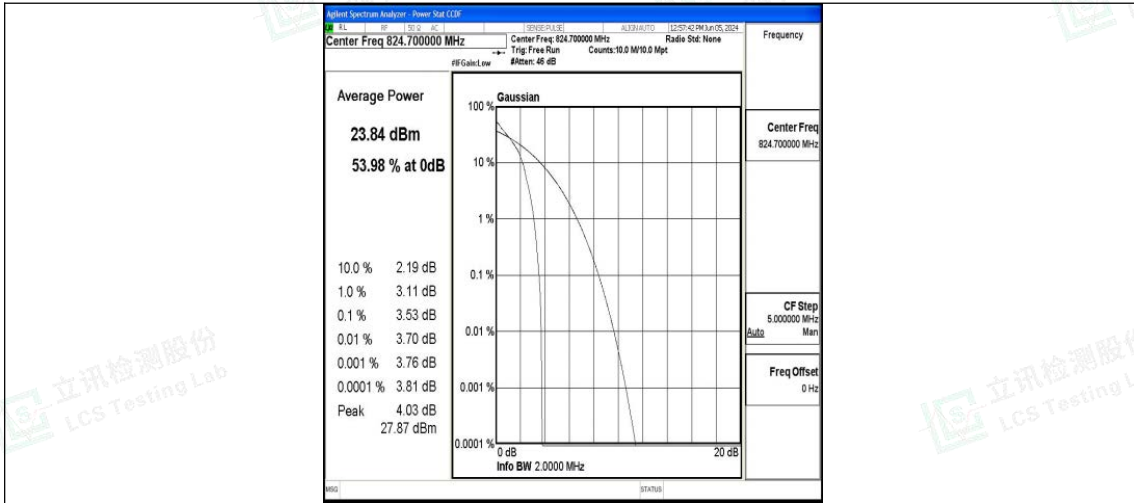
Band5	10MHz	16QAM	20450	50RB#0	6.13	13	PASS
Band5	10MHz	QPSK	20525	1RB#0	4.42	13	PASS
Band5	10MHz	16QAM	20525	1RB#0	5.31	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.24	13	PASS
Band5	5MHz	QPSK	20625	1RB#0	3.93	13	PASS
Band5	5MHz	16QAM	20625	1RB#0	4.32	13	PASS
Band5	5MHz	QPSK	20625	25RB#0	5.14	13	PASS
Band5	5MHz	16QAM	20625	25RB#0	5.73	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	5.98	13	PASS
Band5	10MHz	QPSK	20600	1RB#0	3.81	13	PASS
Band5	10MHz	16QAM	20600	1RB#0	4.93	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	5.02	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	5.80	13	PASS



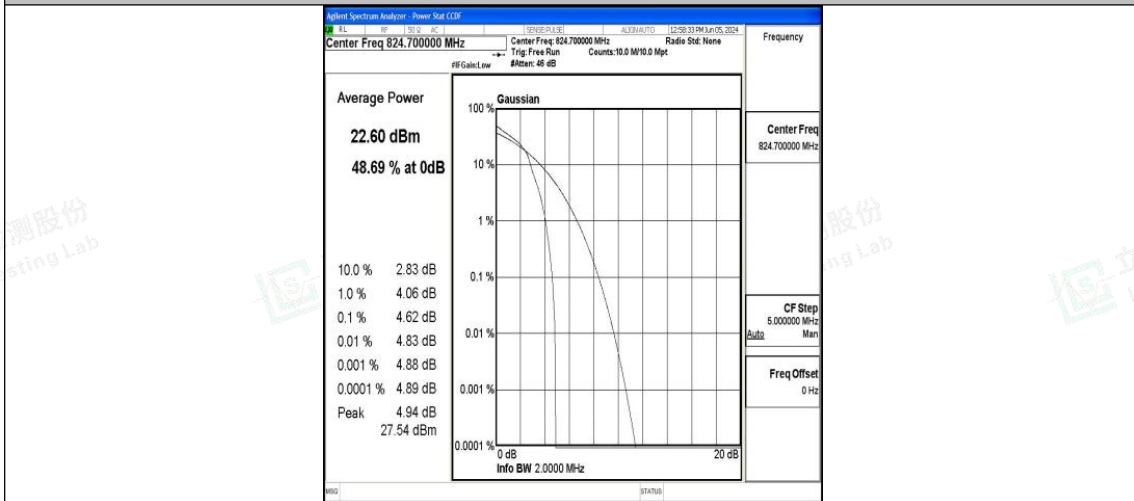
Shenzhen LCS Compliance Testing Laboratory Ltd.
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com
Scan code to check authenticity



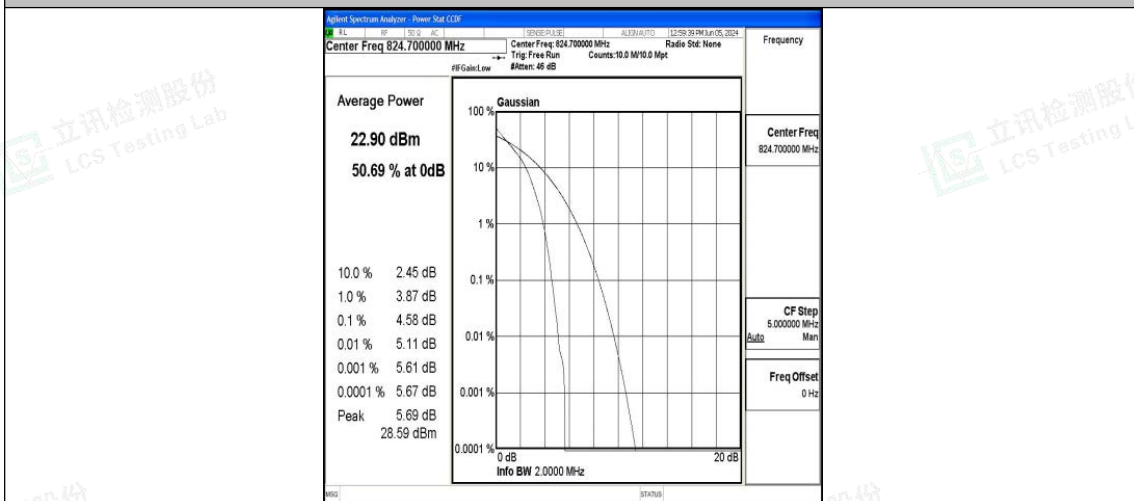
Test Graphs



Band5-1.4MHz-QPSK-20407-1RB#0-PASS

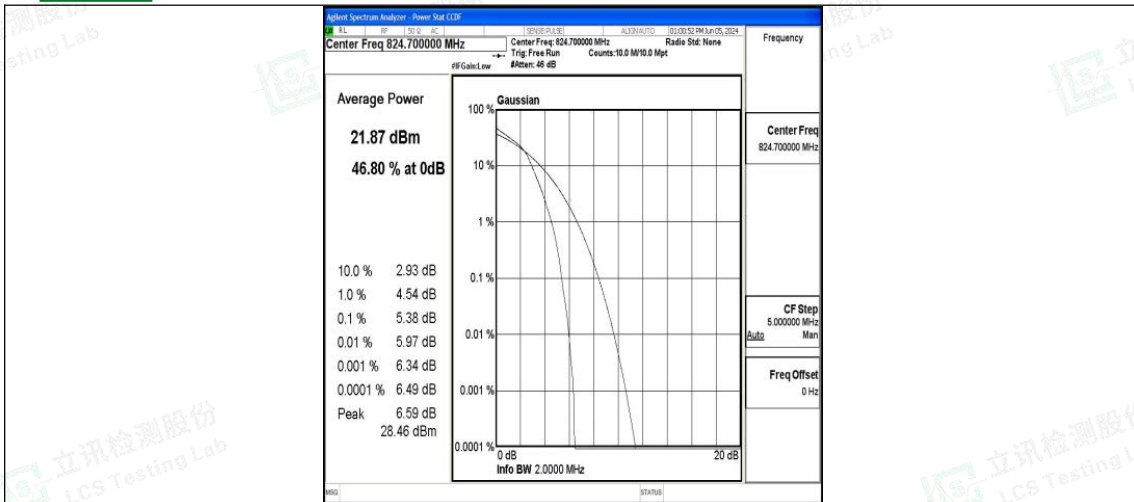


Band5-1.4MHz-16QAM-20407-1RB#0-PASS

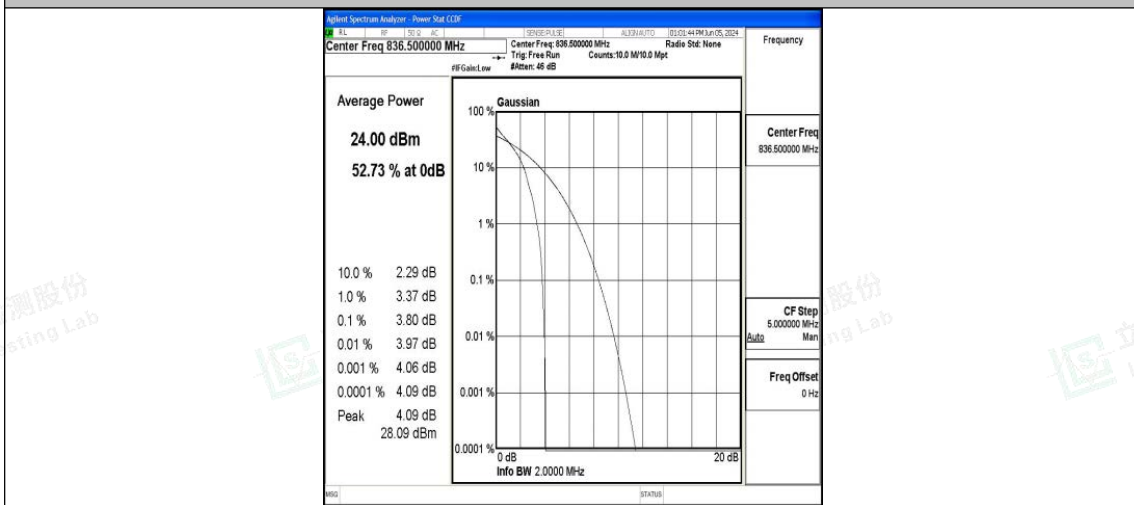


Band5-1.4MHz-QPSK-20407-6RB#0-PASS

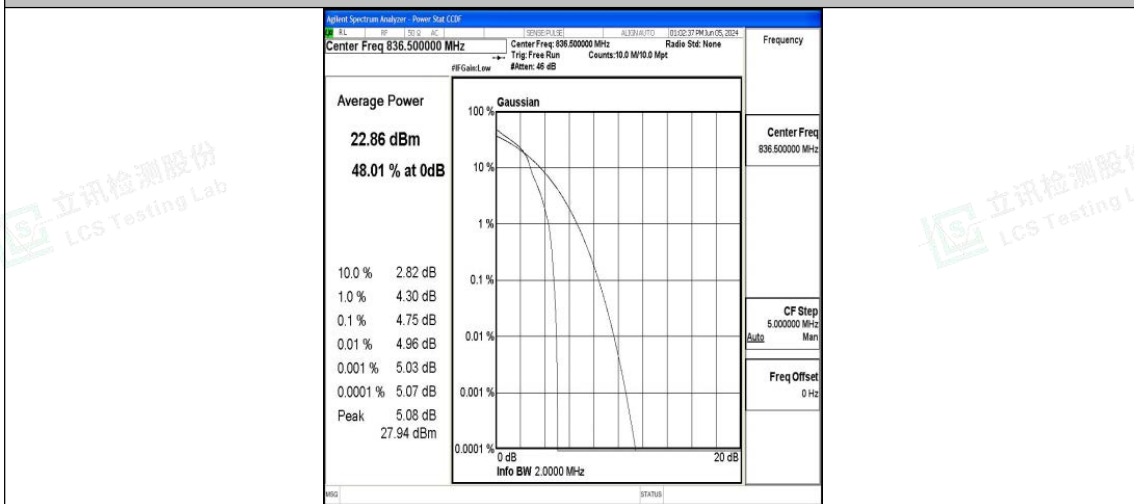




Band5-1.4MHz-16QAM-20407-6RB#0-PASS

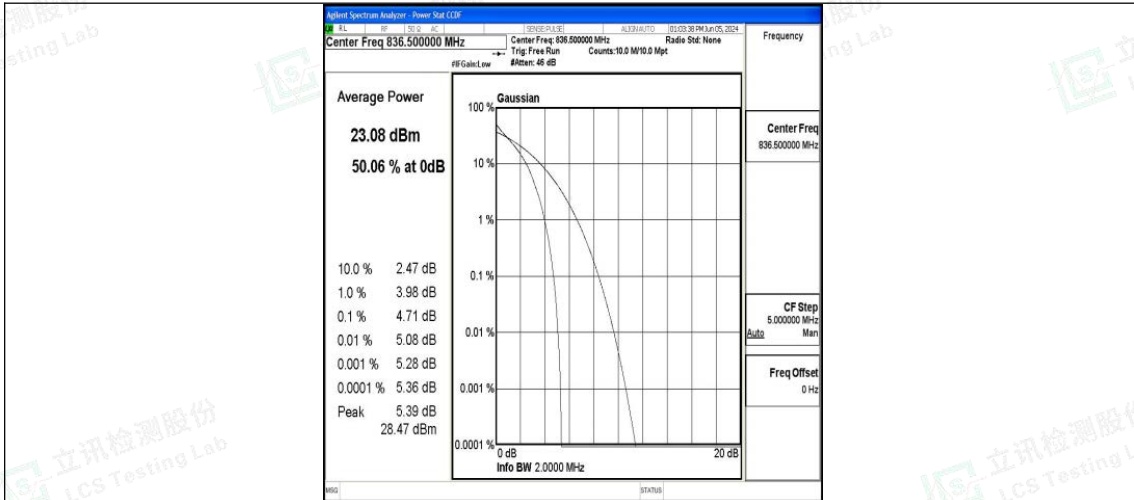


Band5-1.4MHz-QPSK-20525-1RB#0-PASS

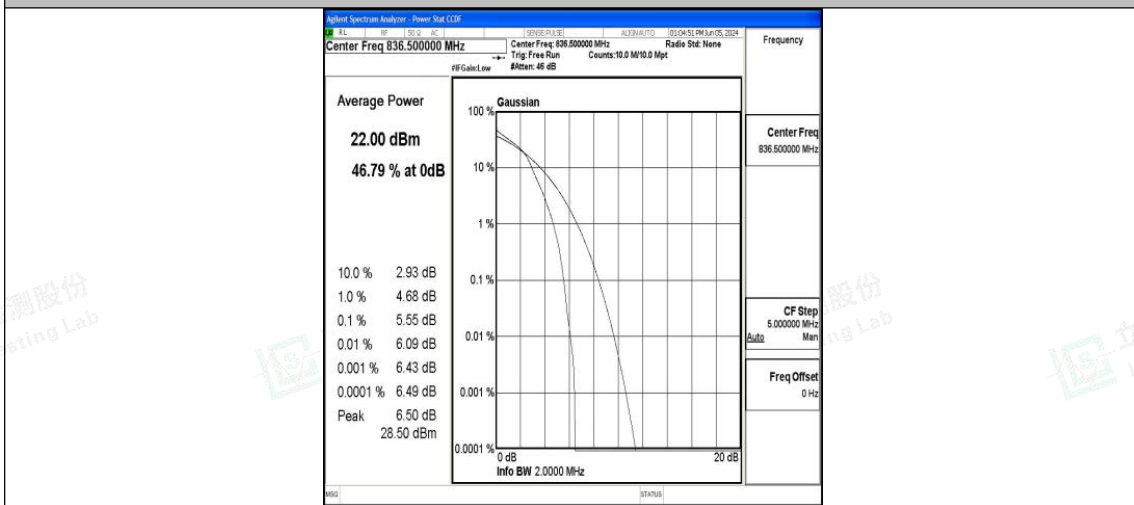


Band5-1.4MHz-16QAM-20525-1RB#0-PASS

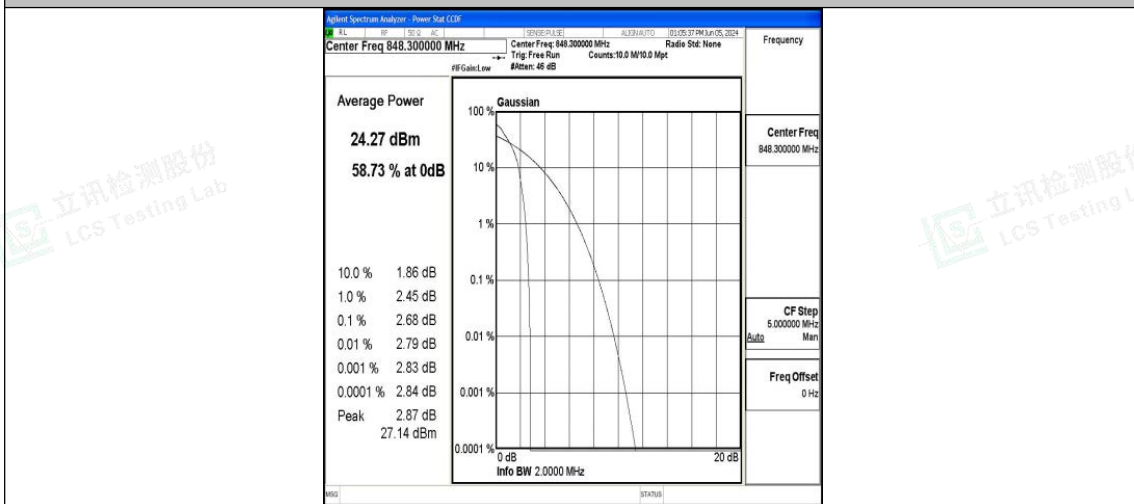




Band5-1.4MHz-QPSK-20525-6RB#0-PASS

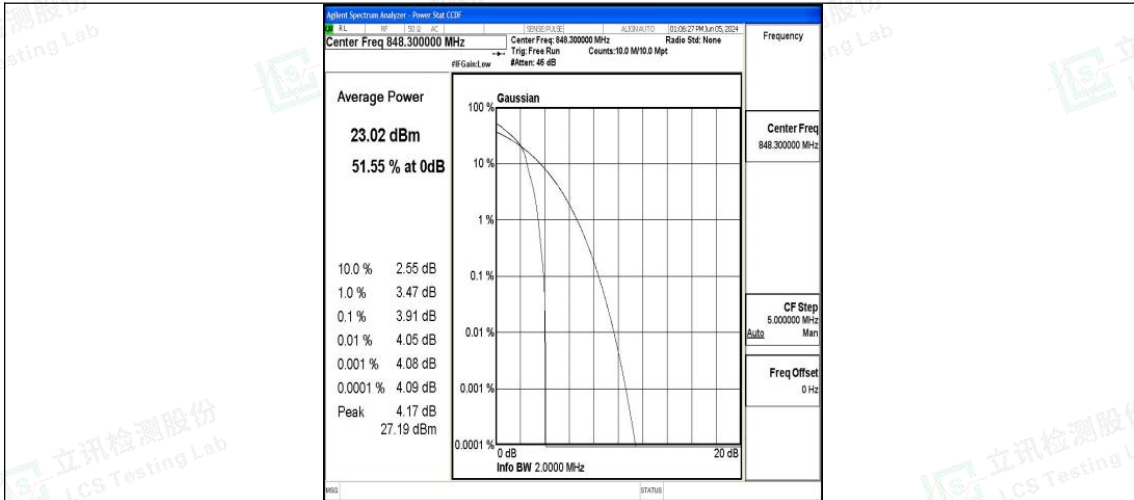


Band5-1.4MHz-16QAM-20525-6RB#0-PASS

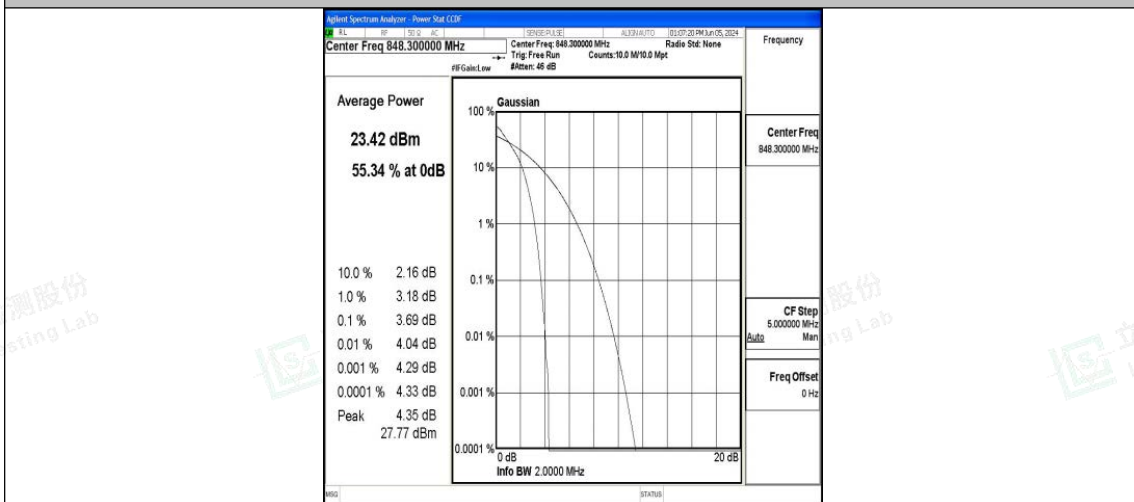


Band5-1.4MHz-QPSK-20643-1RB#0-PASS

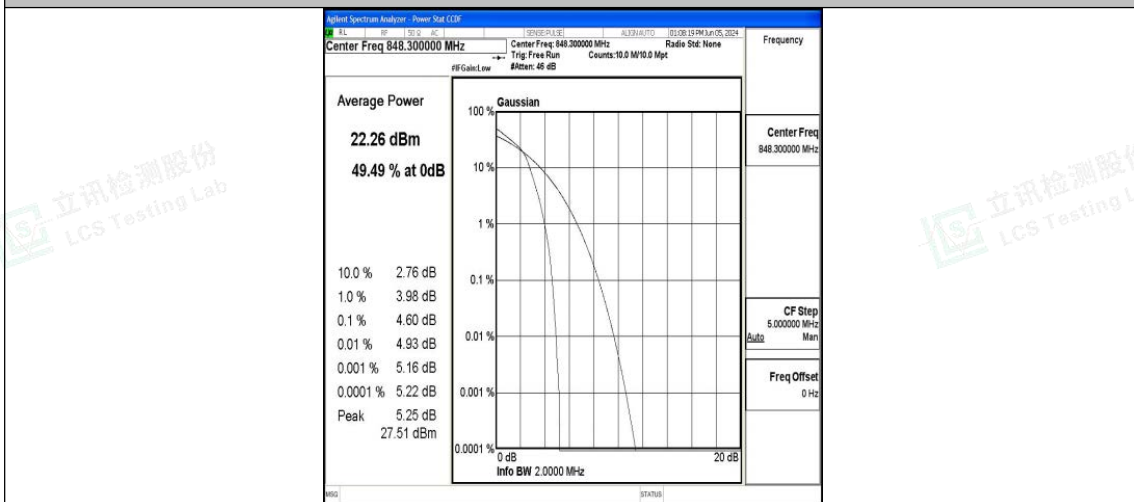




Band5-1.4MHz-16QAM-20643-1RB#0-PASS

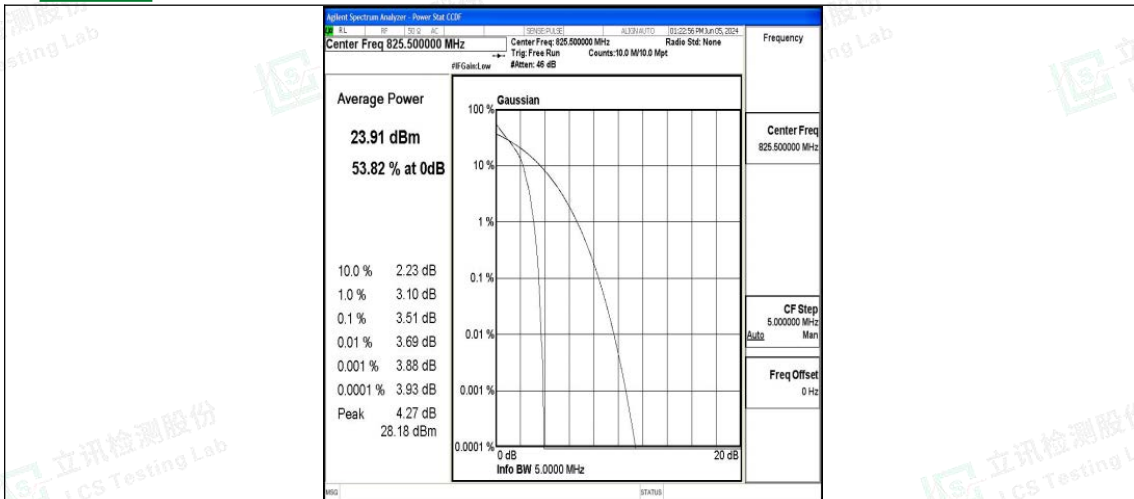


Band5-1.4MHz-QPSK-20643-6RB#0-PASS

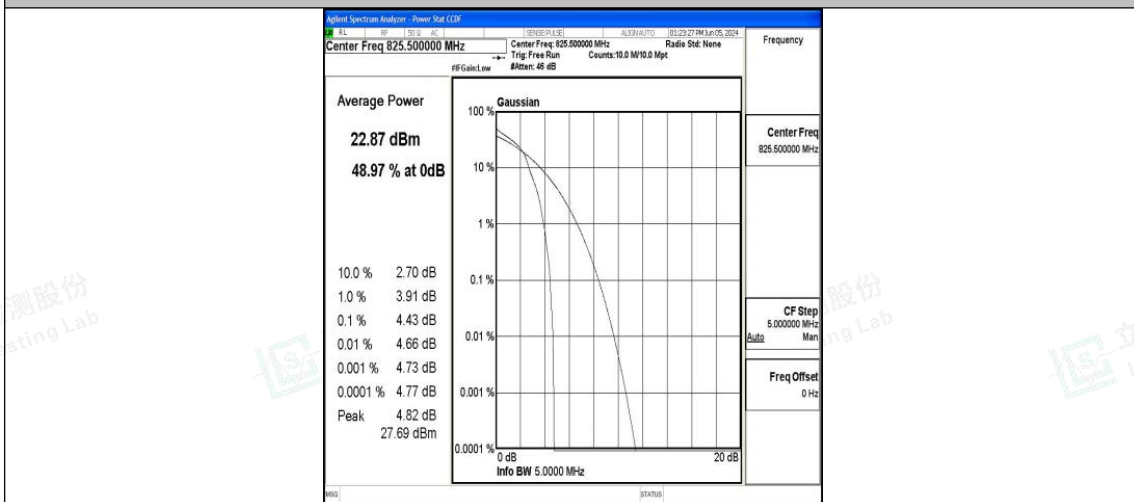


Band5-1.4MHz-16QAM-20643-6RB#0-PASS

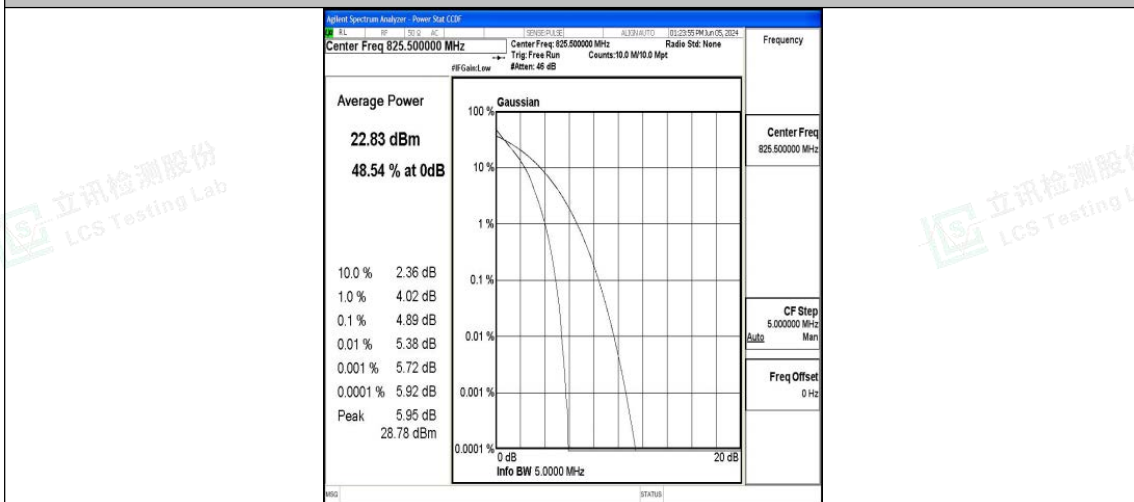




Band5-3MHz-QPSK-20415-1RB#0-PASS

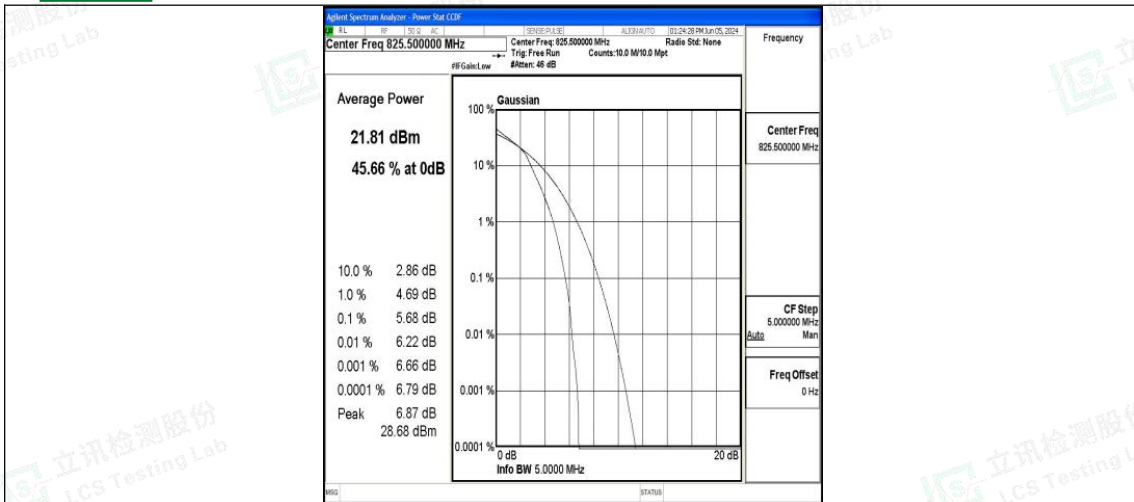


Band5-3MHz-16QAM-20415-1RB#0-PASS

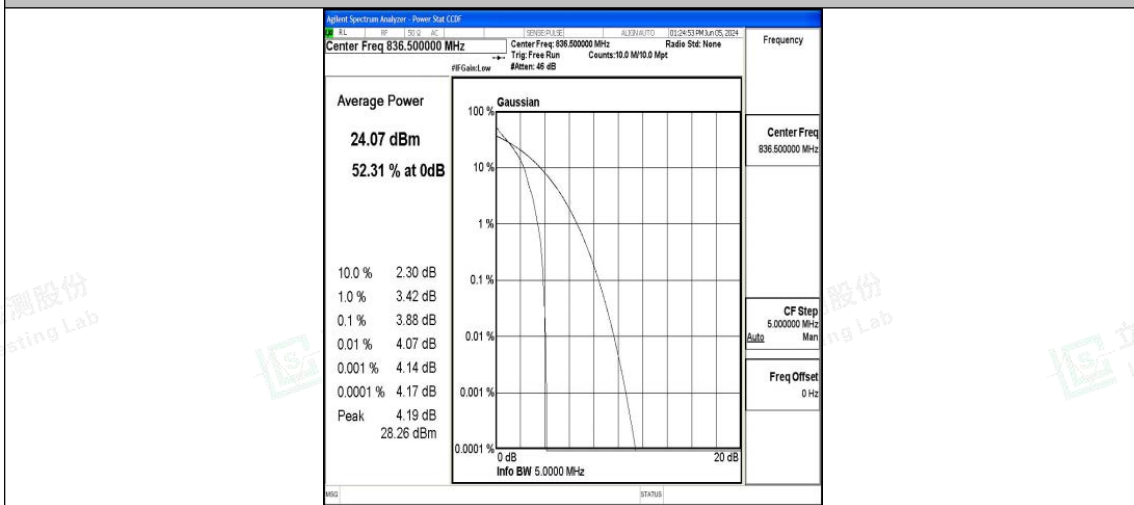


Band5-3MHz-QPSK-20415-15RB#0-PASS

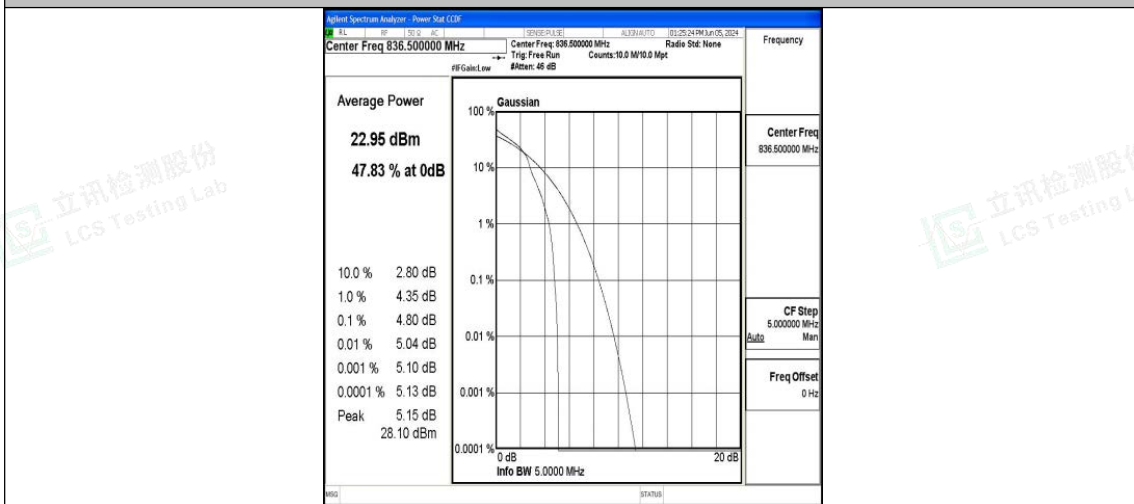




Band5-3MHz-16QAM-20415-15RB#0-PASS

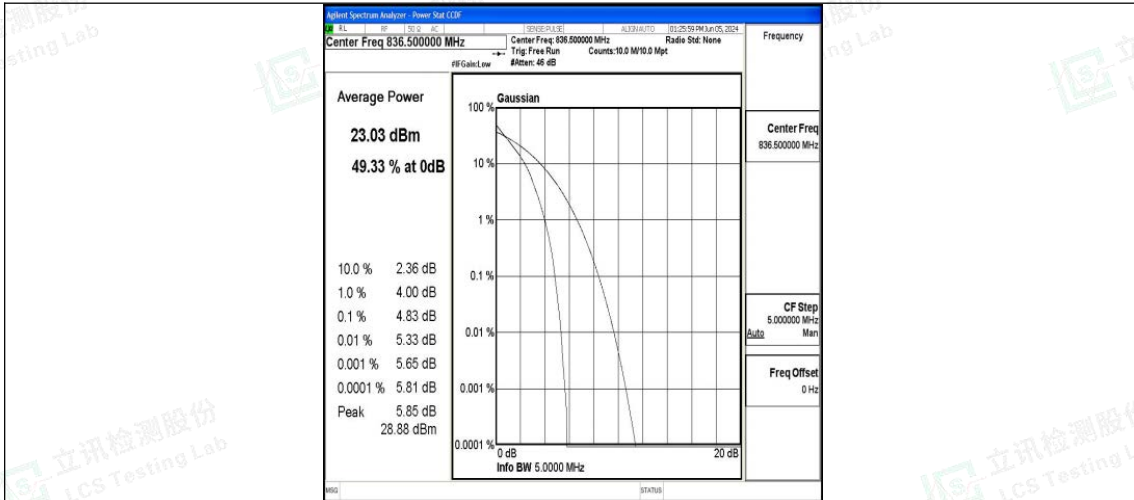


Band5-3MHz-QPSK-20525-1RB#0-PASS

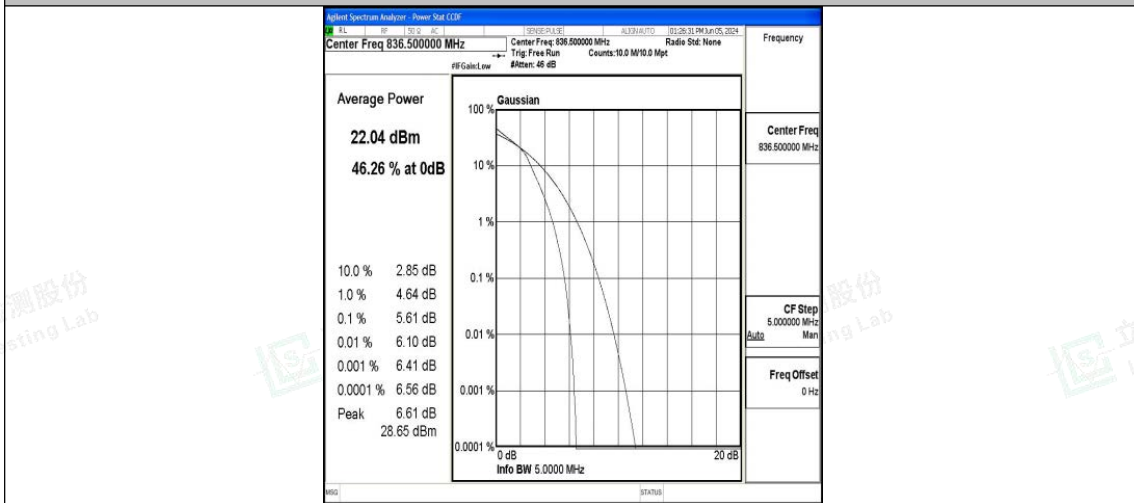


Band5-3MHz-16QAM-20525-1RB#0-PASS

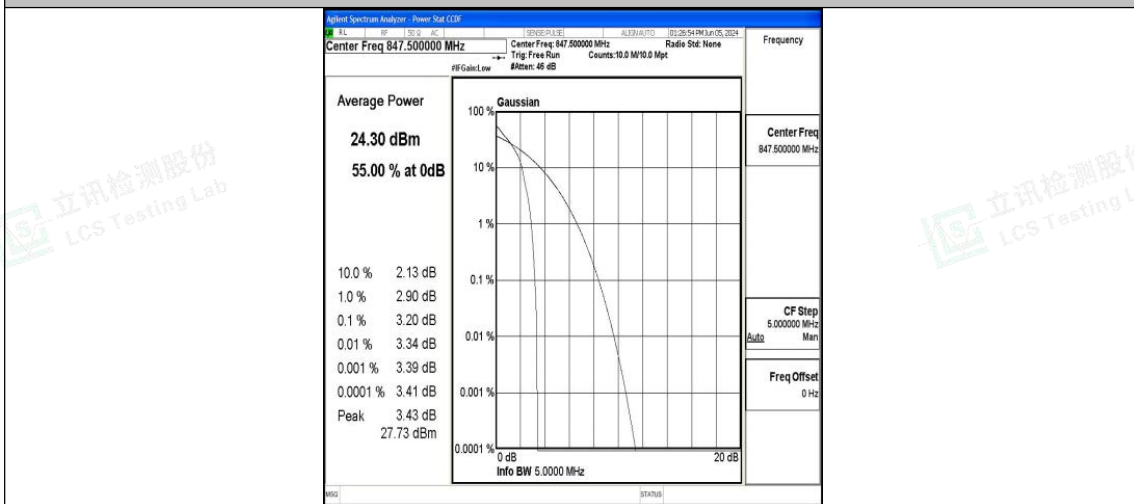




Band5-3MHz-QPSK-20525-15RB#0-PASS

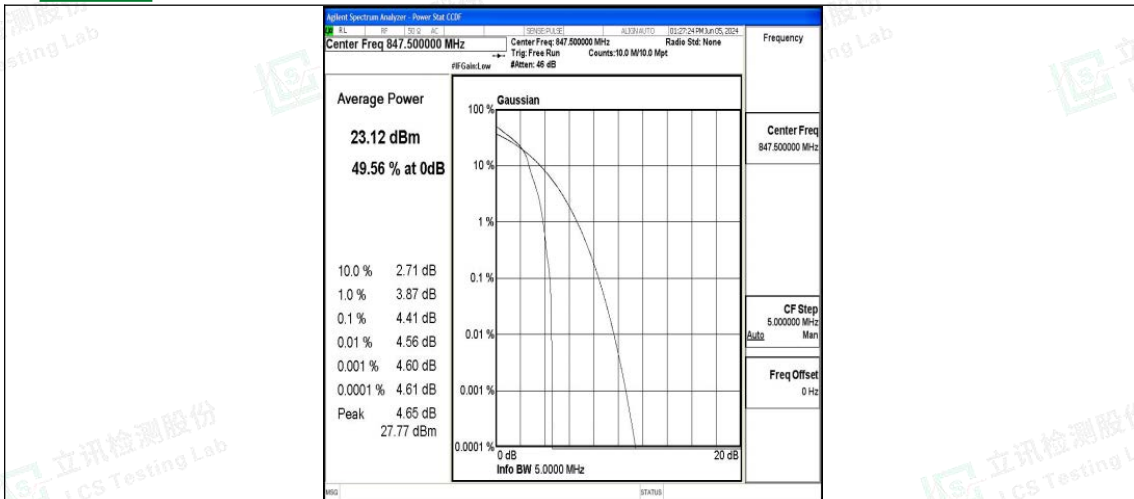


Band5-3MHz-16QAM-20525-15RB#0-PASS

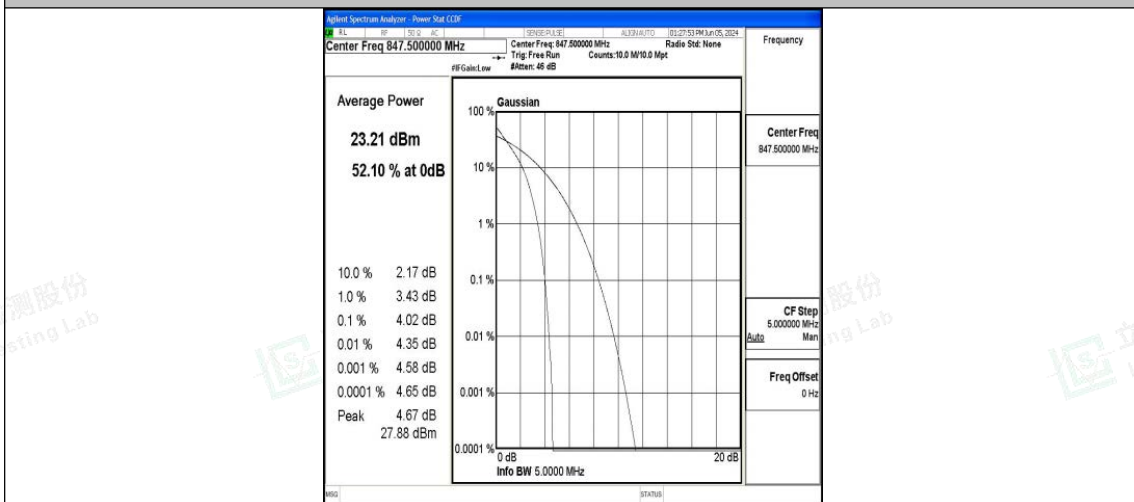


Band5-3MHz-QPSK-20635-1RB#0-PASS

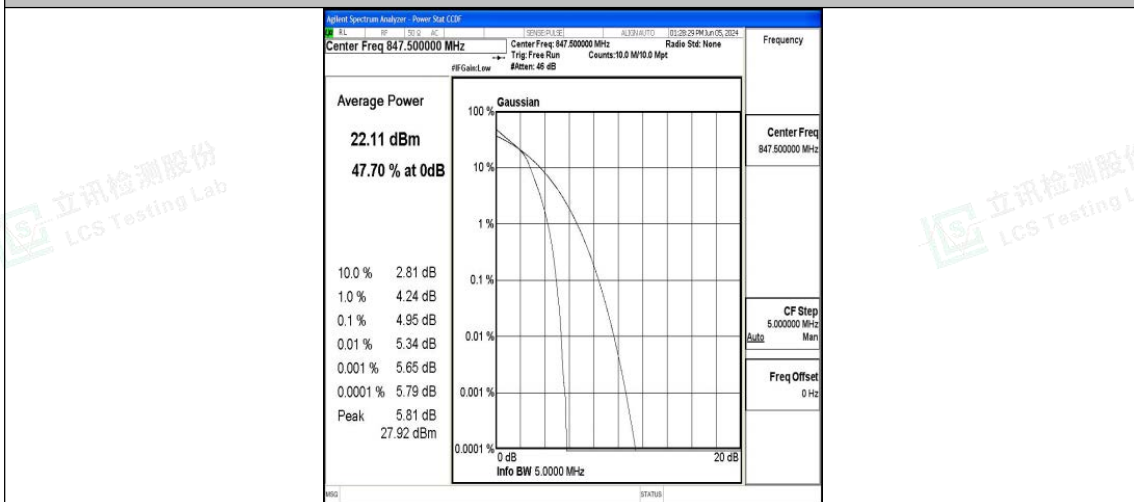




Band5-3MHz-16QAM-20635-1RB#0-PASS

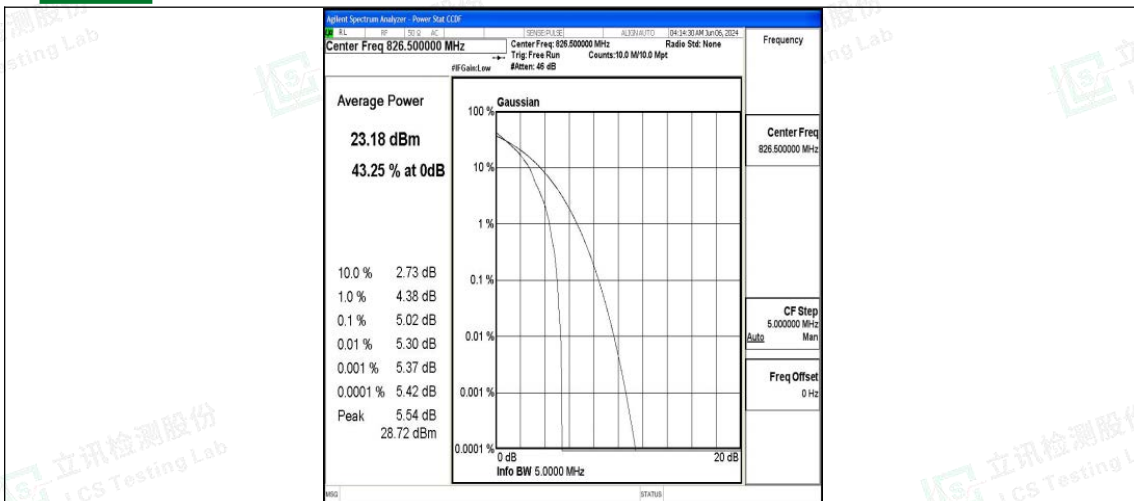


Band5-3MHz-QPSK-20635-15RB#0-PASS

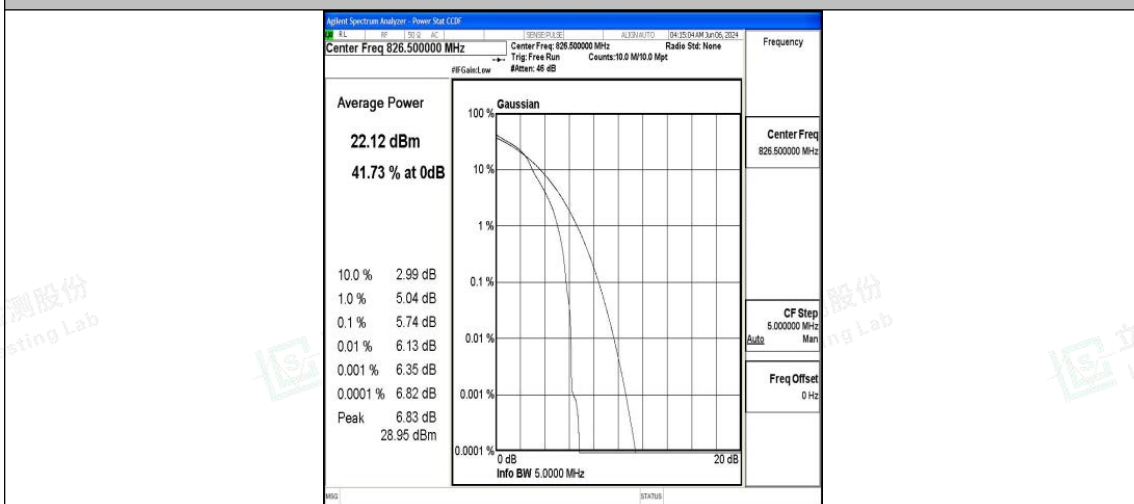


Band5-3MHz-16QAM-20635-15RB#0-PASS

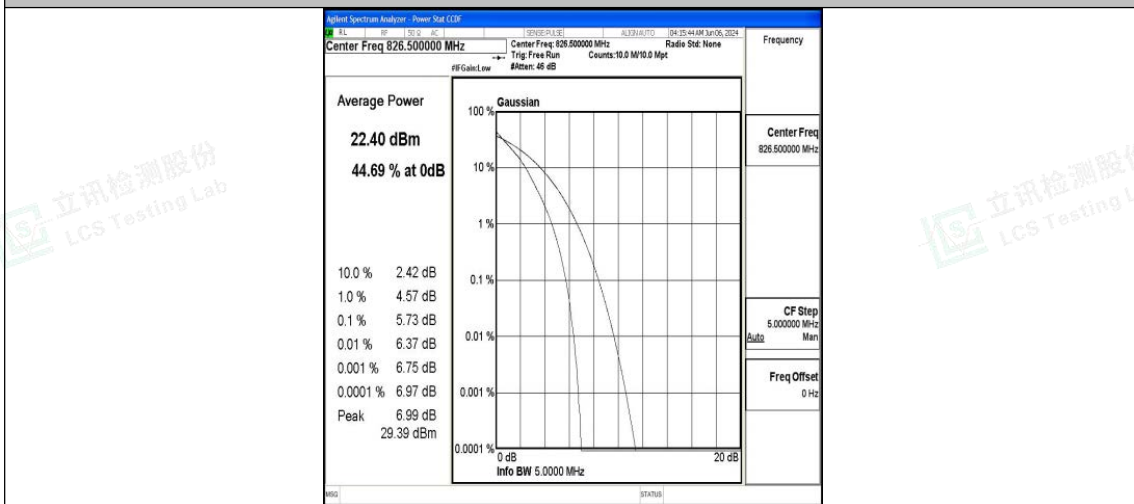




Band5-5MHz-QPSK-20425-1RB#0-PASS

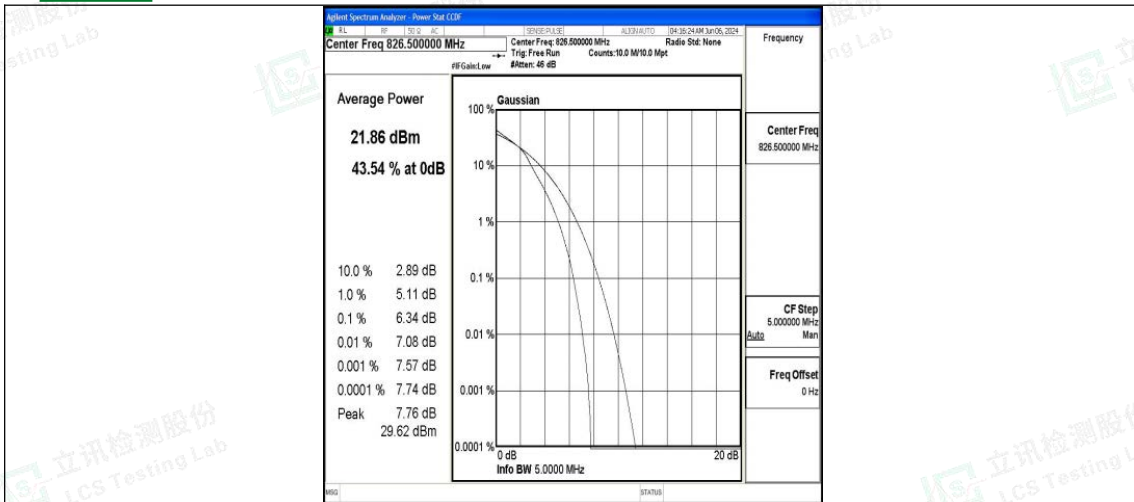


Band5-5MHz-16QAM-20425-1RB#0-PASS

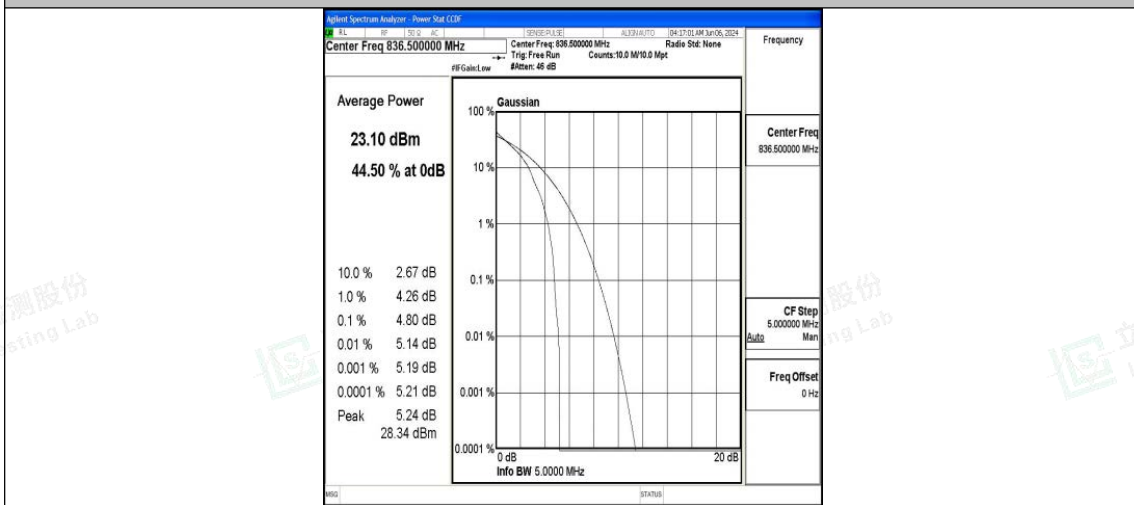


Band5-5MHz-QPSK-20425-25RB#0-PASS

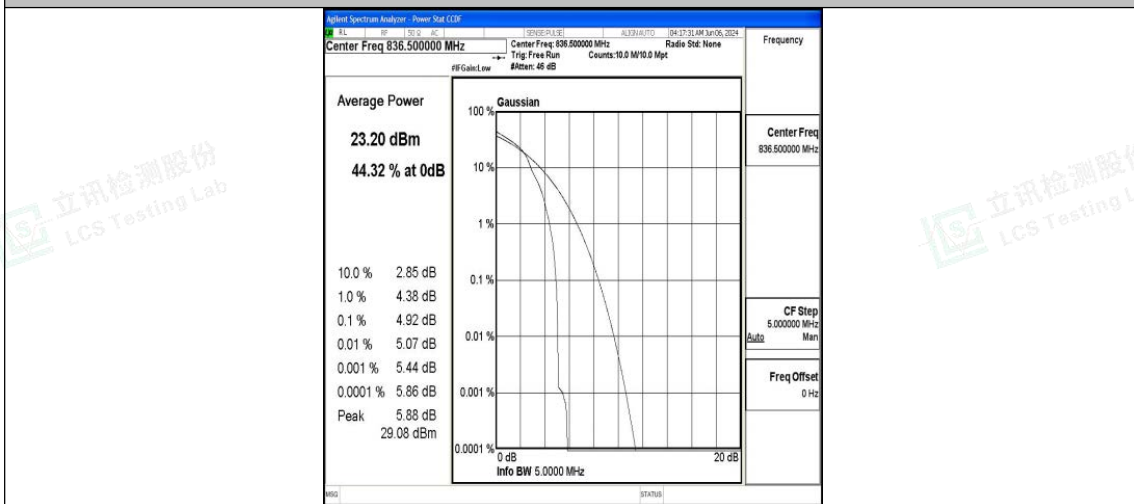




Band5-5MHz-16QAM-20425-25RB#0-PASS

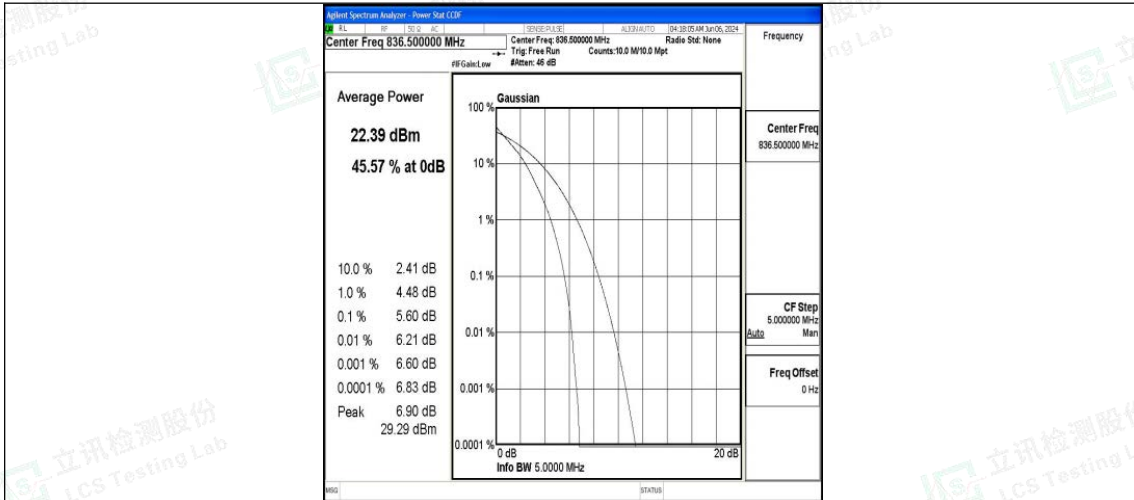


Band5-5MHz-QPSK-20525-1RB#0-PASS

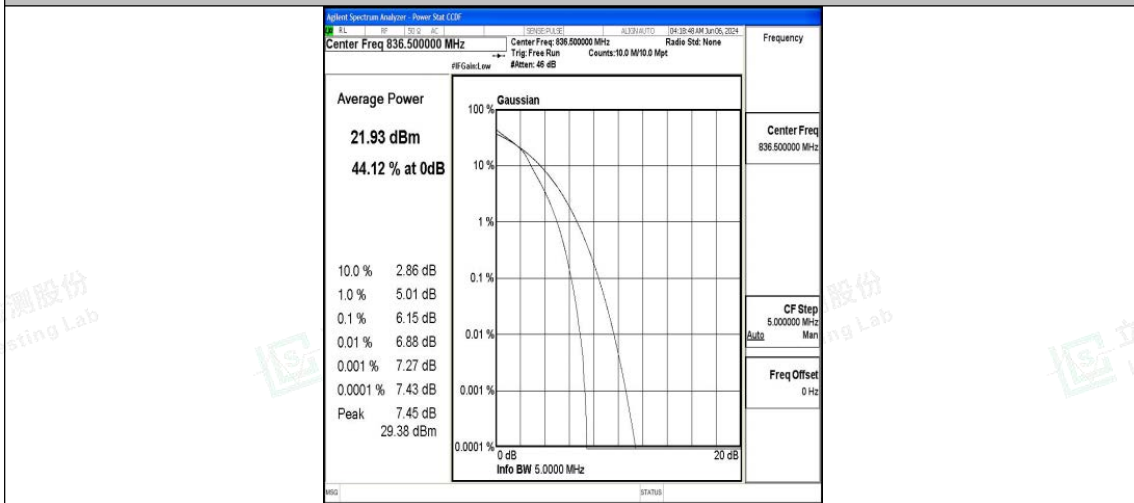


Band5-5MHz-16QAM-20525-1RB#0-PASS

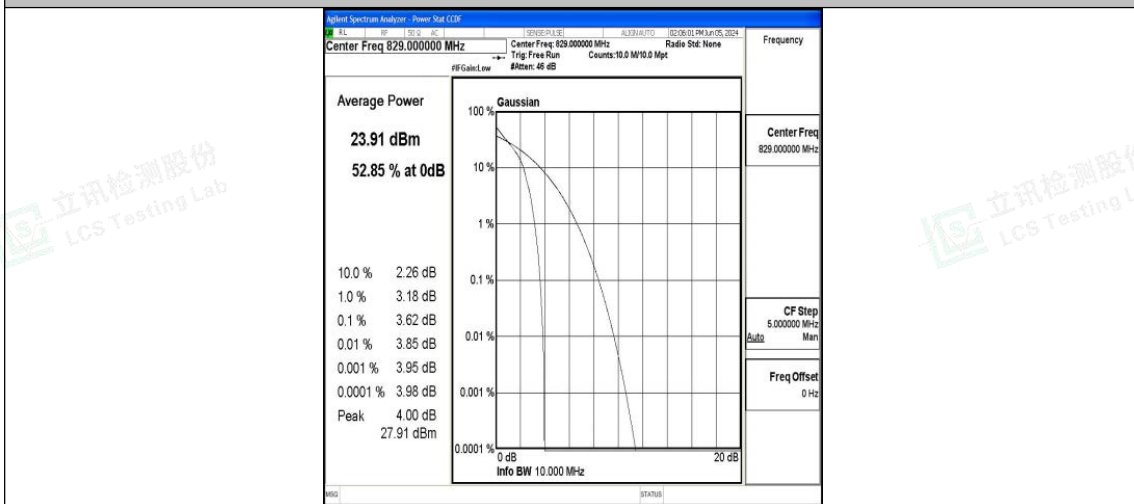




Band5-5MHz-QPSK-20525-25RB#0-PASS

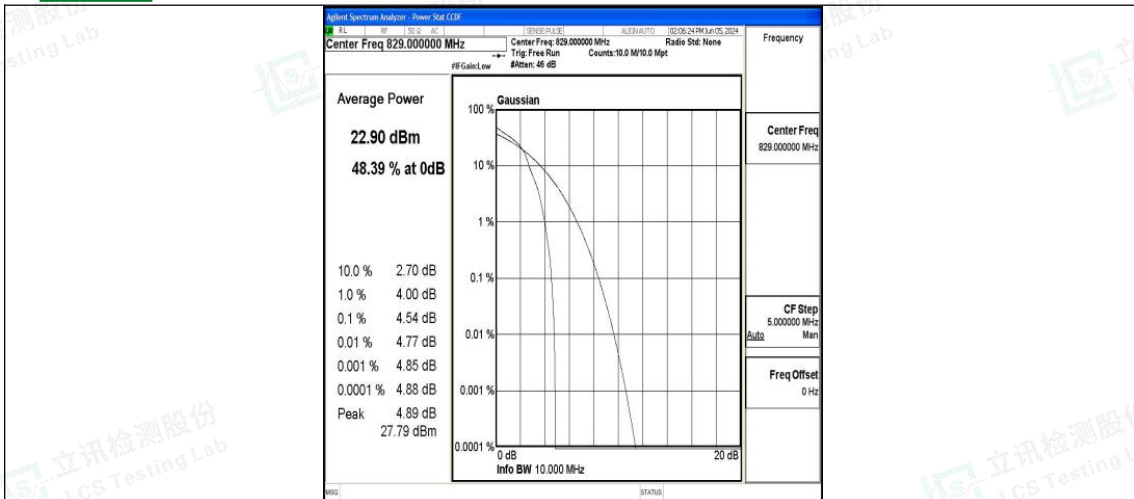


Band5-5MHz-16QAM-20525-25RB#0-PASS

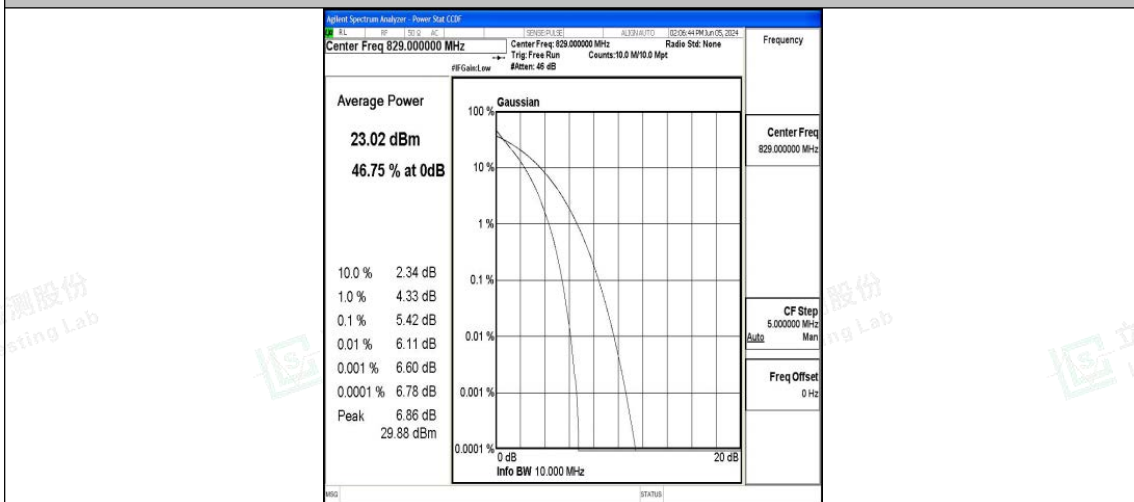


Band5-10MHz-QPSK-20450-1RB#0-PASS

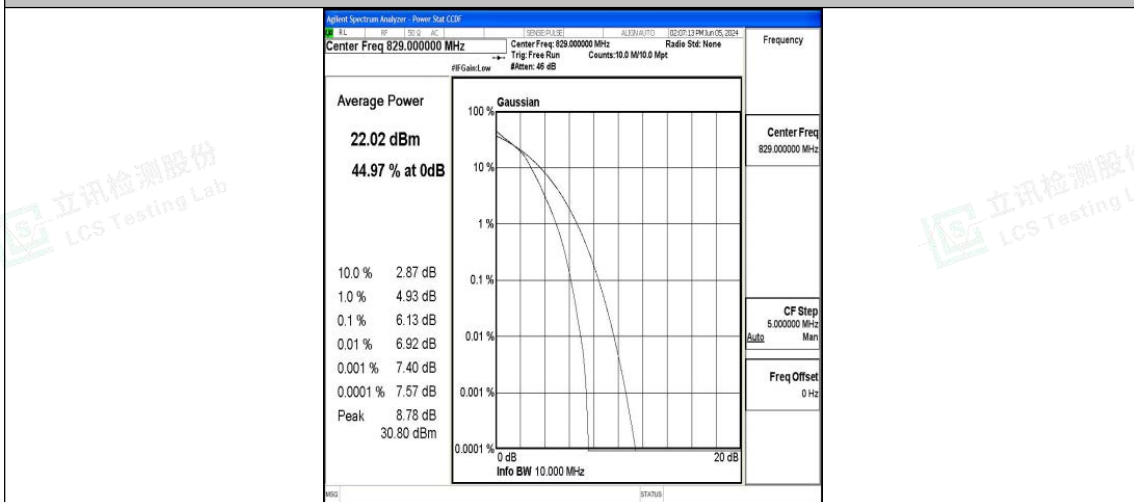




Band5-10MHz-16QAM-20450-1RB#0-PASS

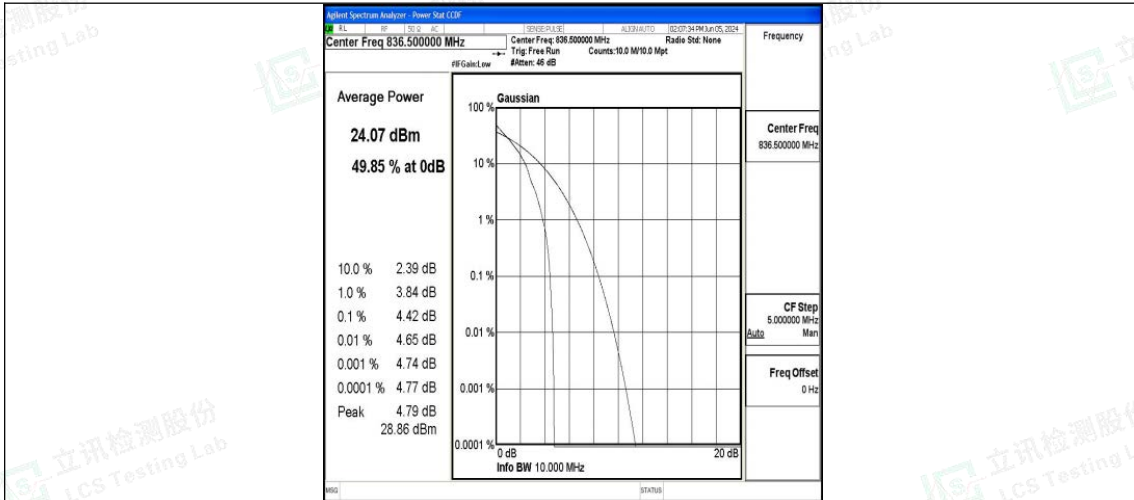


Band5-10MHz-QPSK-20450-50RB#0-PASS

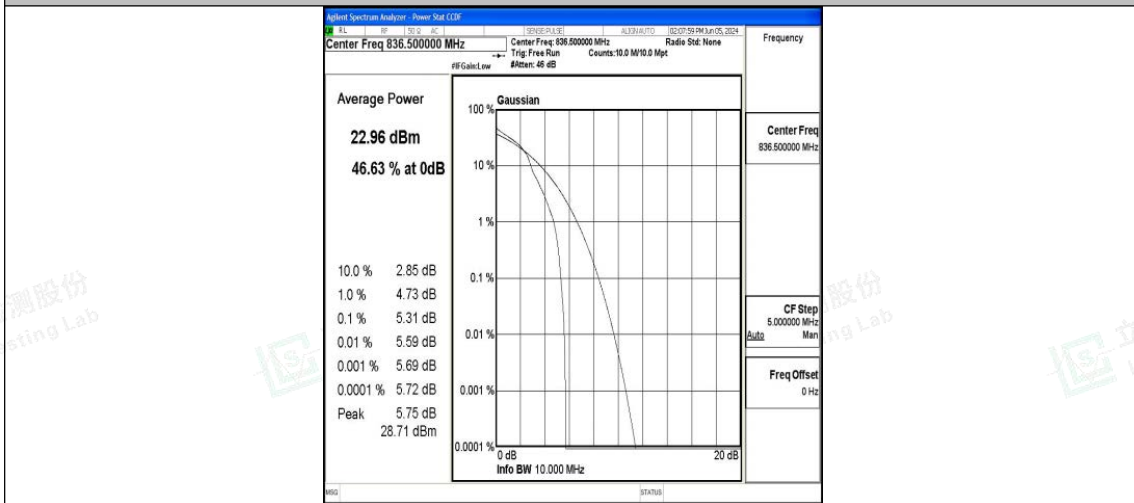


Band5-10MHz-16QAM-20450-50RB#0-PASS

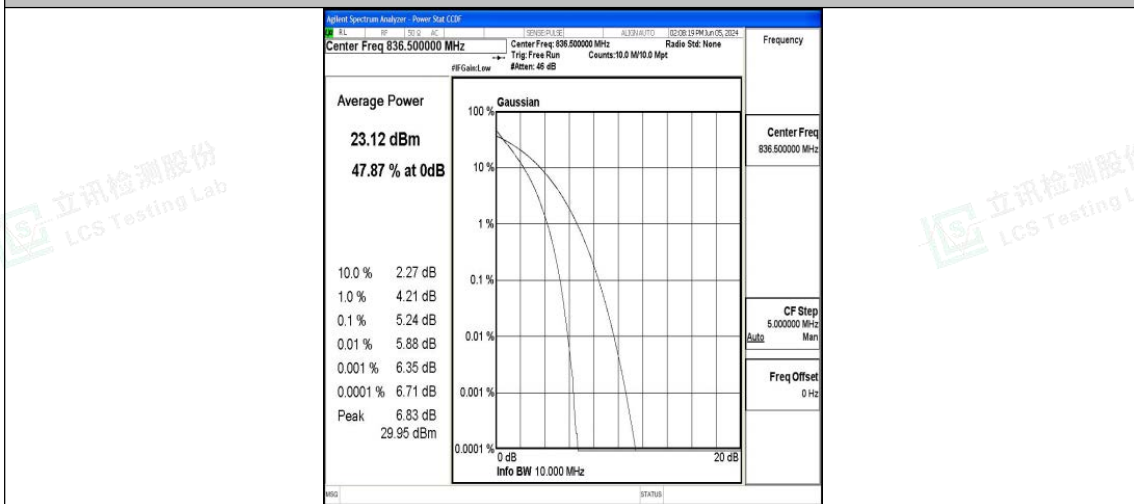




Band5-10MHz-QPSK-20525-1RB#0-PASS

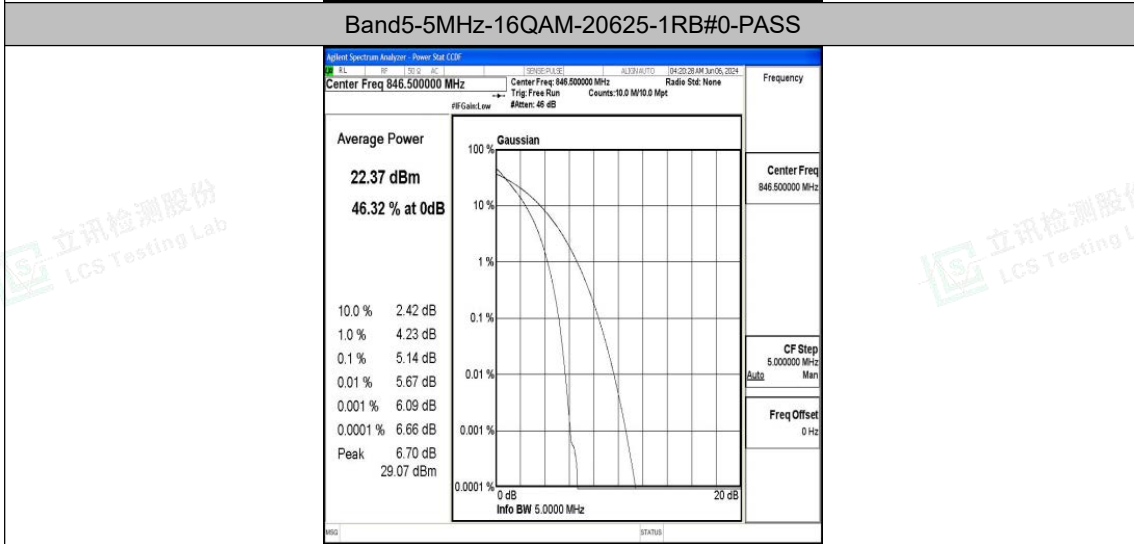
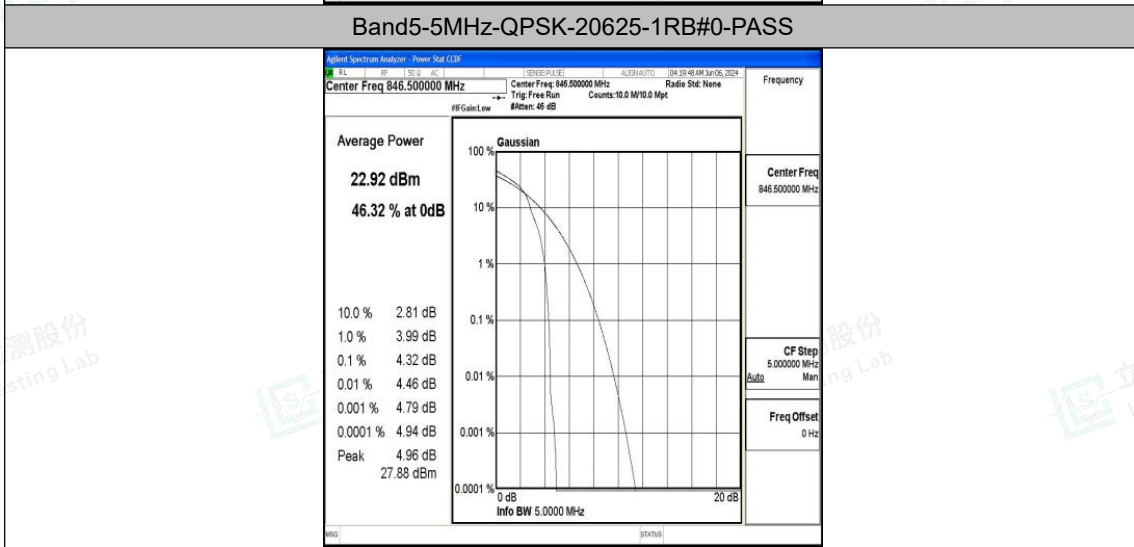
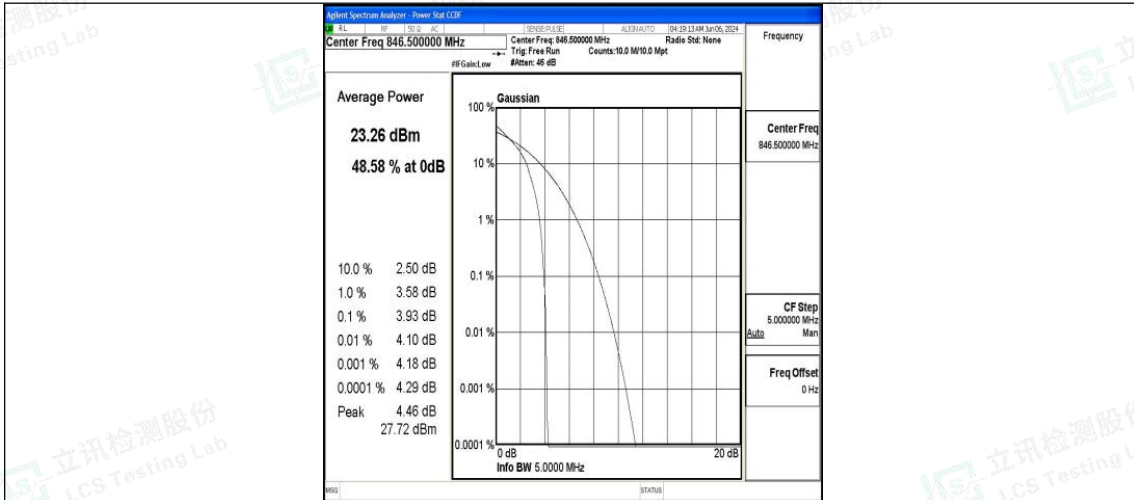


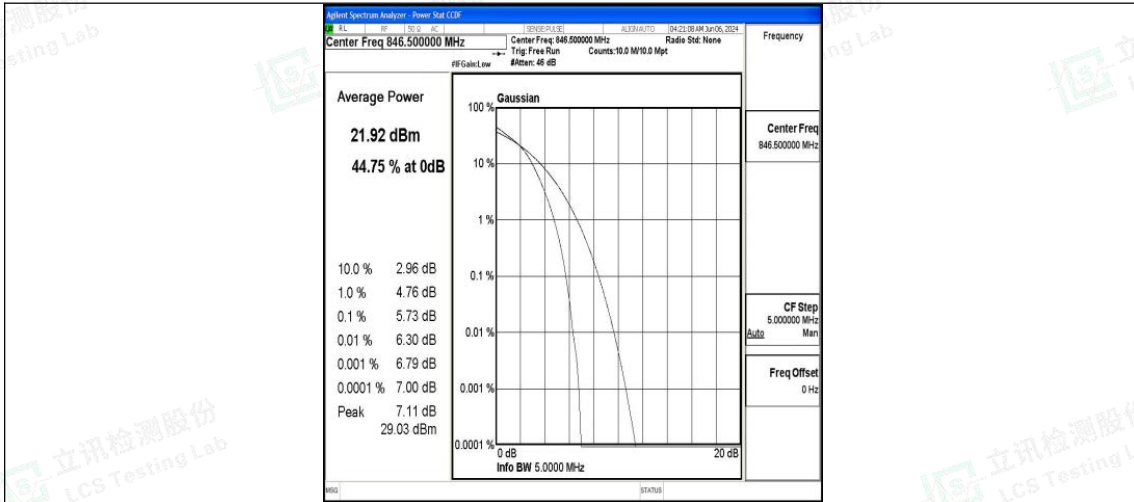
Band5-10MHz-16QAM-20525-1RB#0-PASS



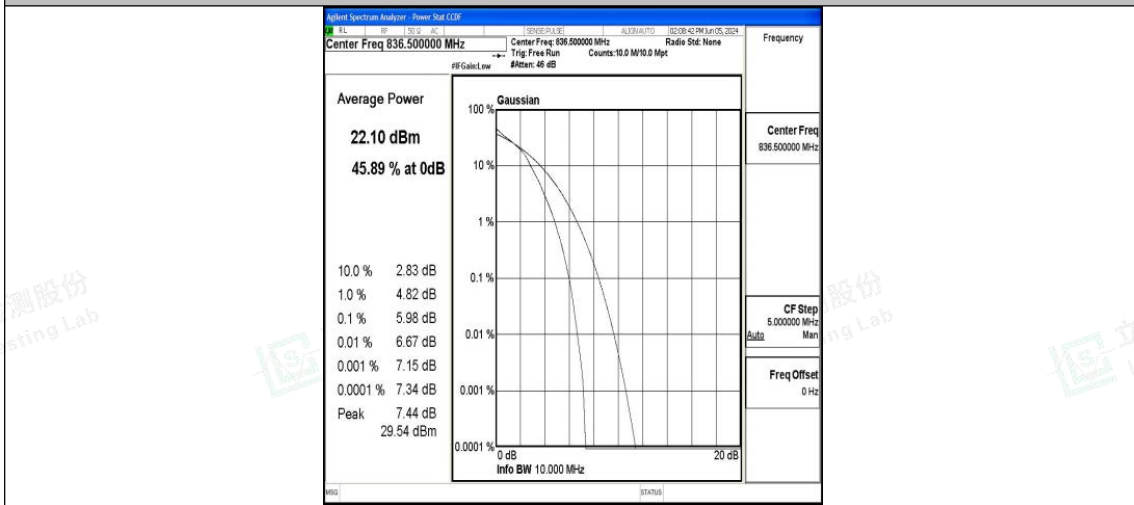
Band5-10MHz-QPSK-20525-50RB#0-PASS



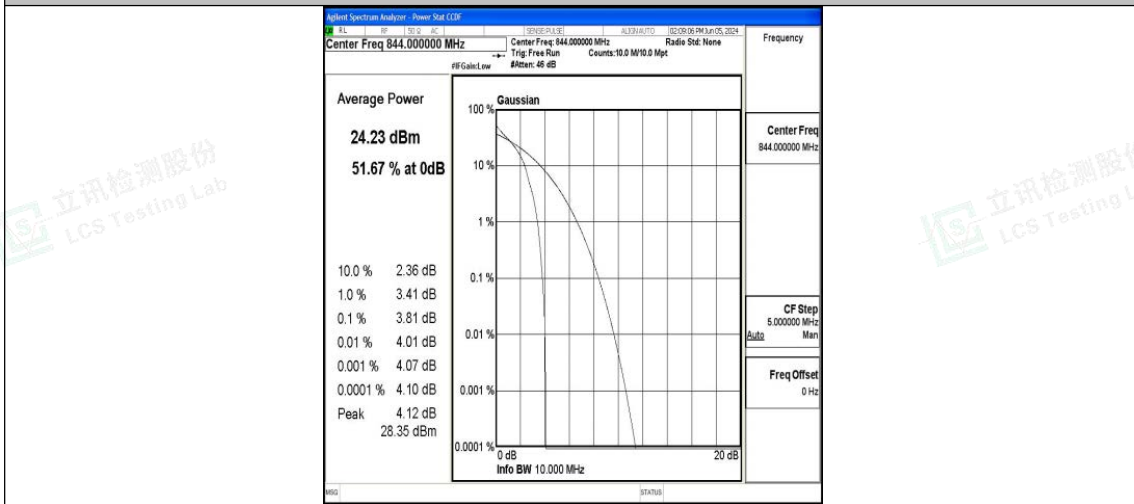




Band5-5MHz-16QAM-20625-25RB#0-PASS

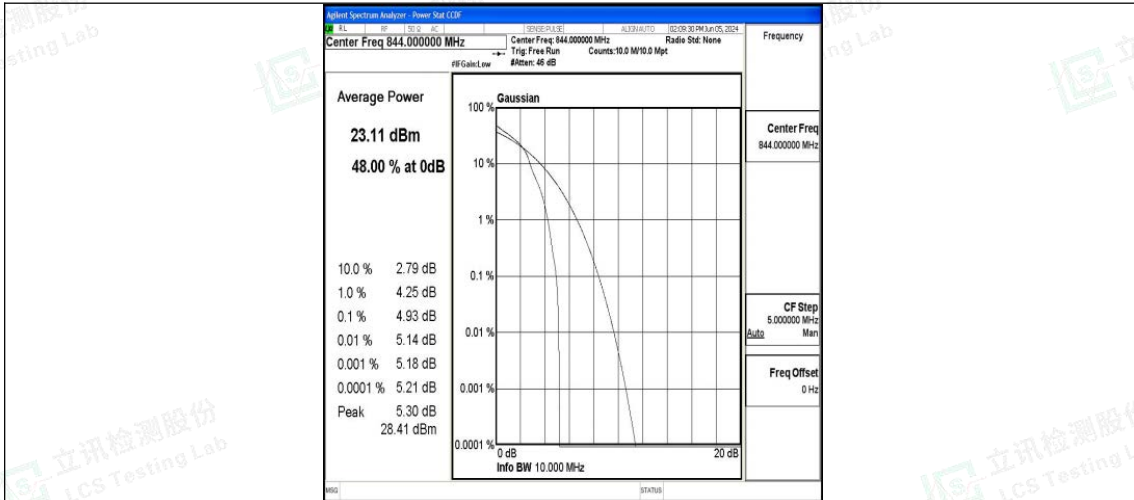


Band5-10MHz-16QAM-20525-50RB#0-PASS

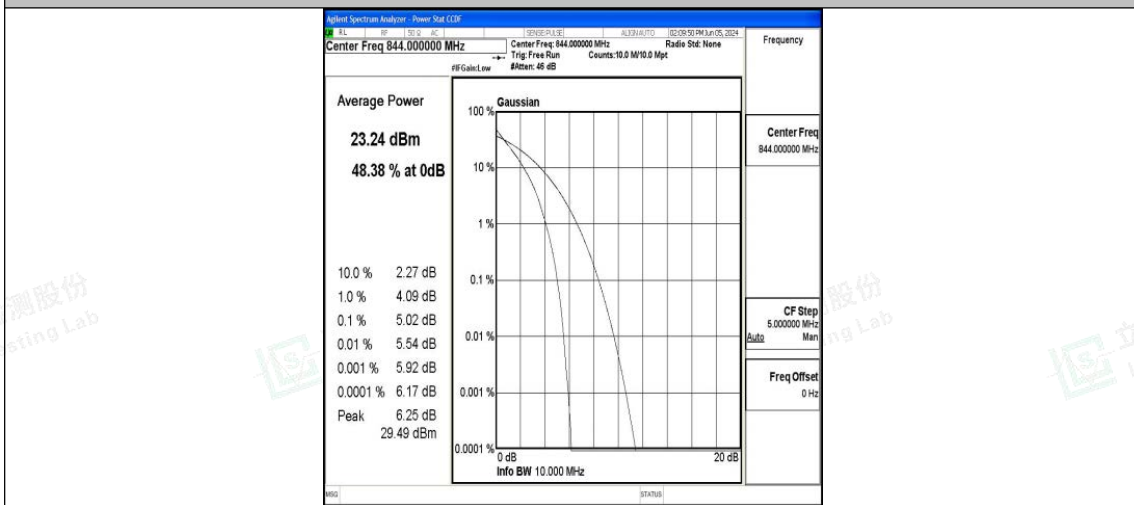


Band5-10MHz-QPSK-20600-1RB#0-PASS

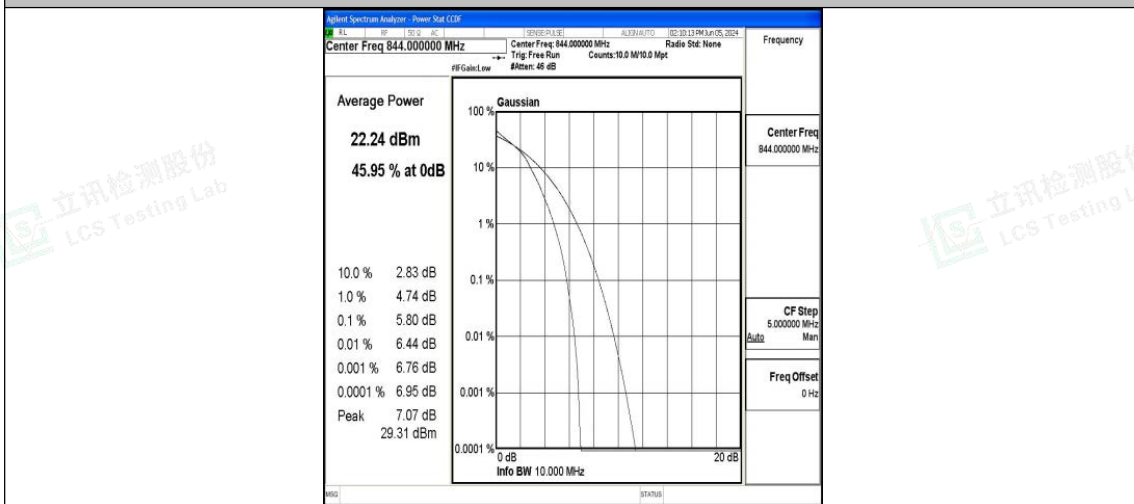




Band5-10MHz-16QAM-20600-1RB#0-PASS



Band5-10MHz-QPSK-20600-50RB#0-PASS



Band5-10MHz-16QAM-20600-50RB#0-PASS





H.3 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	1.0932	1.327	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.0986	1.296	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.0910	1.289	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.0946	1.272	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.1044	1.389	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.0933	1.278	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.6864	2.907	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.6766	2.875	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.6948	2.912	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.6828	2.896	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.6894	2.908	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.6921	2.896	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.5212	5.225	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.5232	5.137	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.5139	5.206	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.5286	5.190	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.5188	6.544	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.5318	5.198	PASS
Band5	10MHz	QPSK	20450	50RB#0	9.0254	12.21	PASS
Band5	10MHz	16QAM	20450	50RB#0	9.0340	10.08	PASS
Band5	10MHz	QPSK	20525	50RB#0	9.0095	10.15	PASS
Band5	10MHz	16QAM	20525	50RB#0	9.0003	10.07	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.9915	9.907	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.9999	10.03	PASS



Shenzhen LCS Compliance Testing Laboratory Ltd.

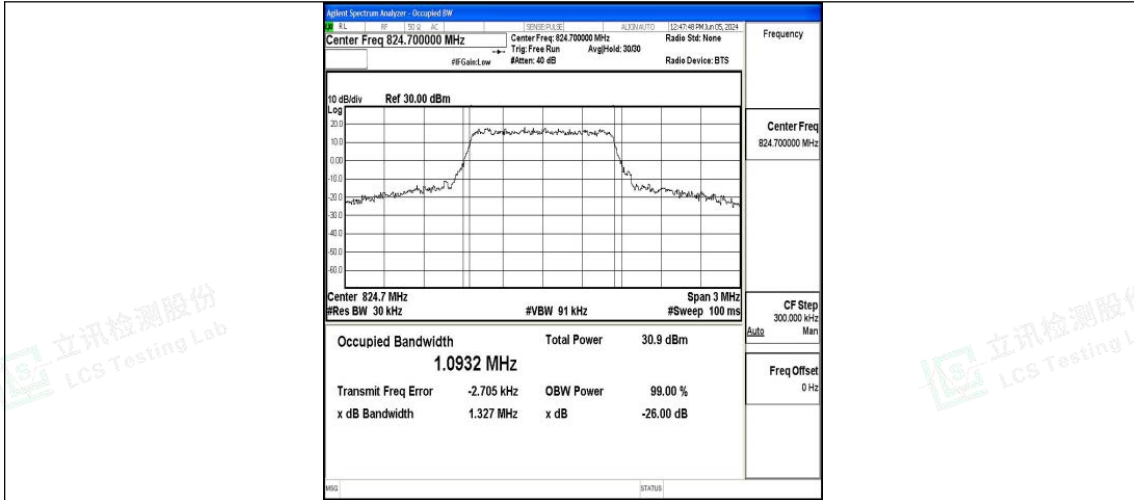
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

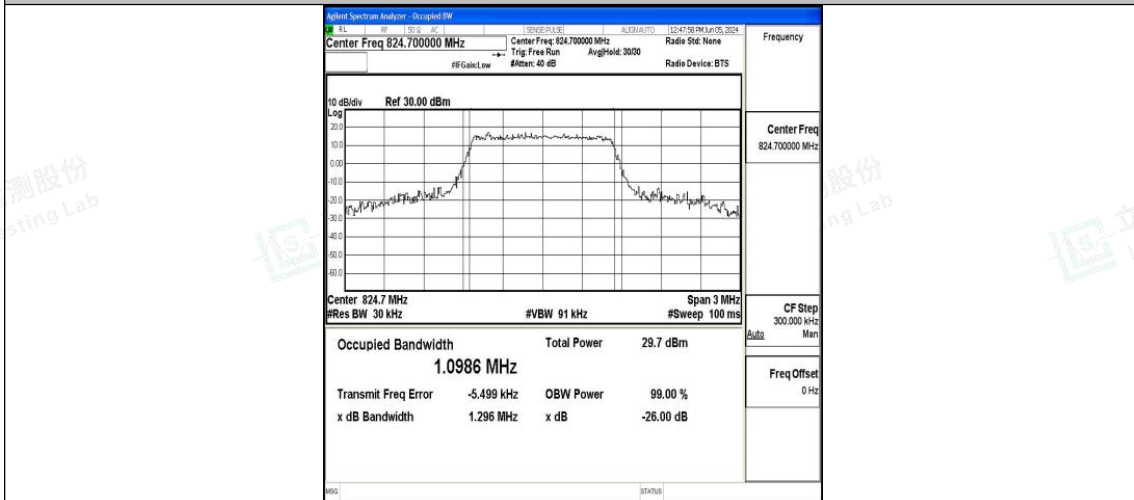
Scan code to check authenticity



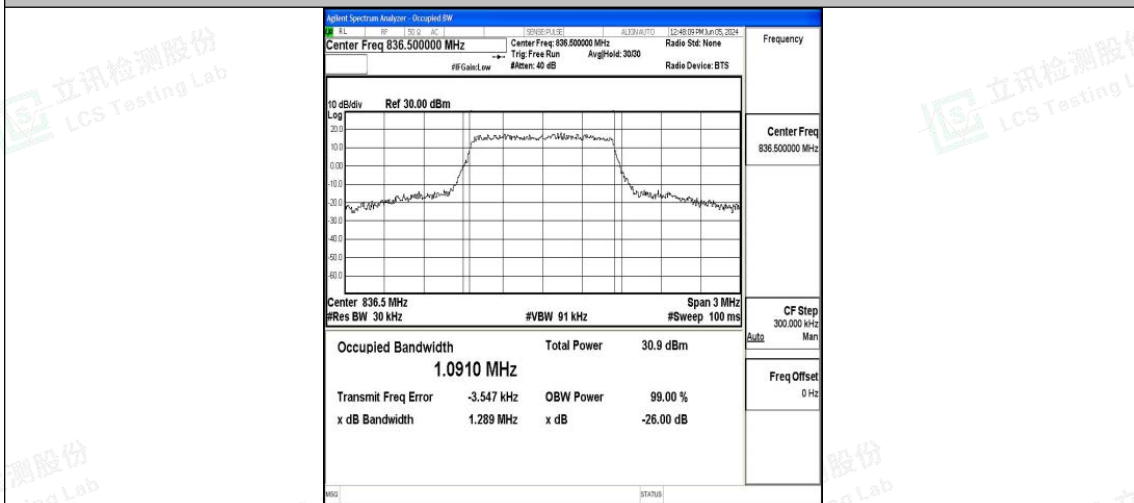
Test Graphs



Band5-1.4MHz-QPSK-20407-6RB#0-PASS

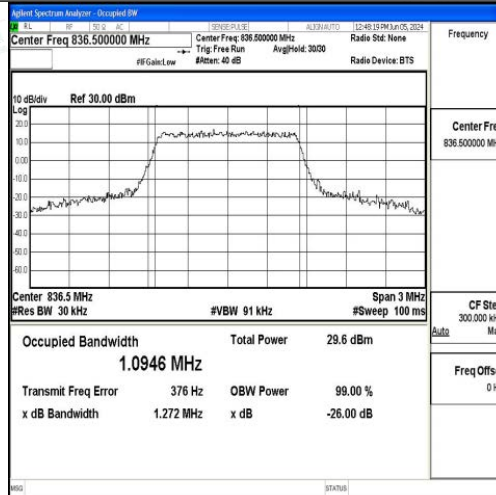


Band5-1.4MHz-16QAM-20407-6RB#0-PASS

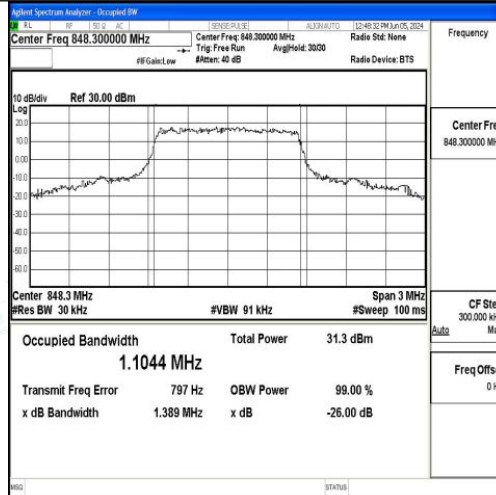




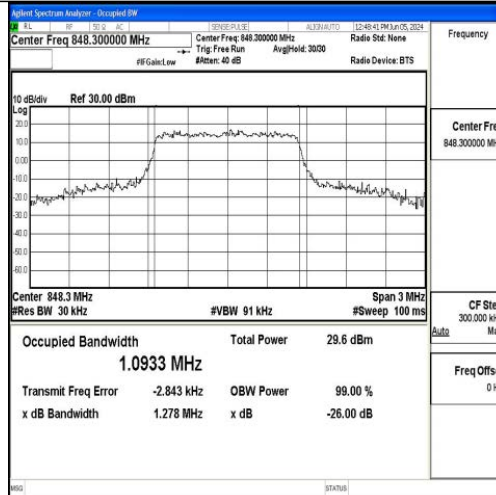
Band5-1.4MHz-QPSK-20525-6RB#0-PASS



Band5-1.4MHz-16QAM-20525-6RB#0-PASS

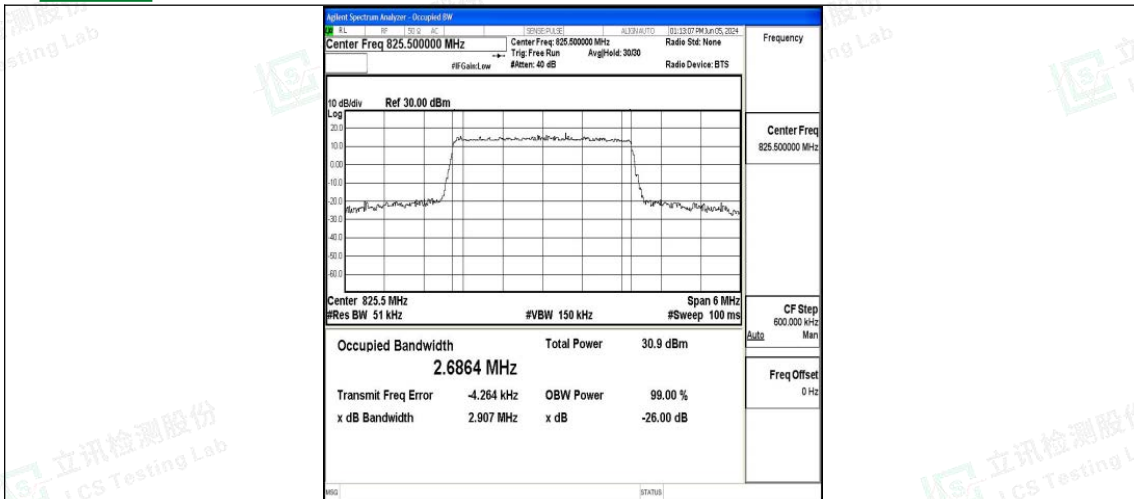


Band5-1.4MHz-QPSK-20643-6RB#0-PASS

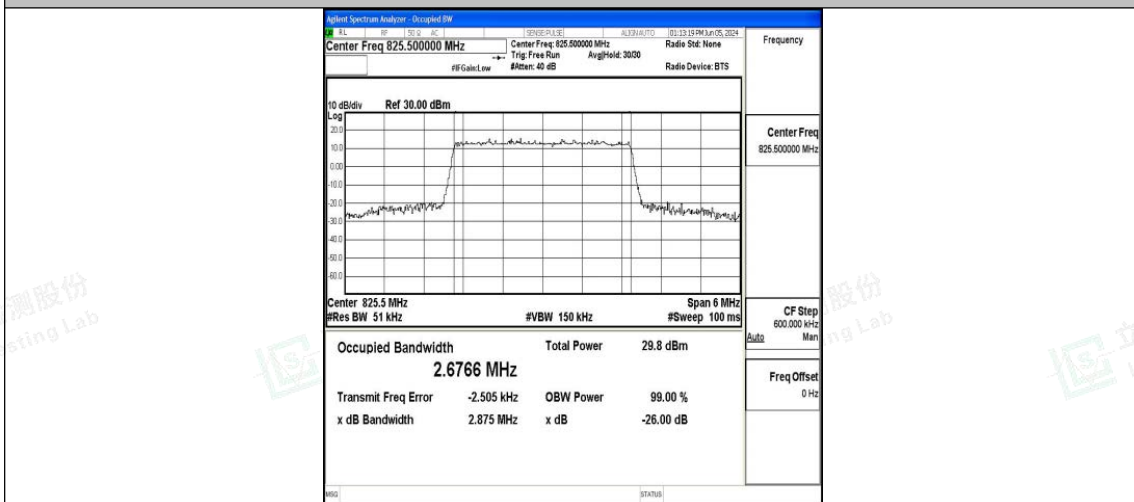


Band5-1.4MHz-16QAM-20643-6RB#0-PASS

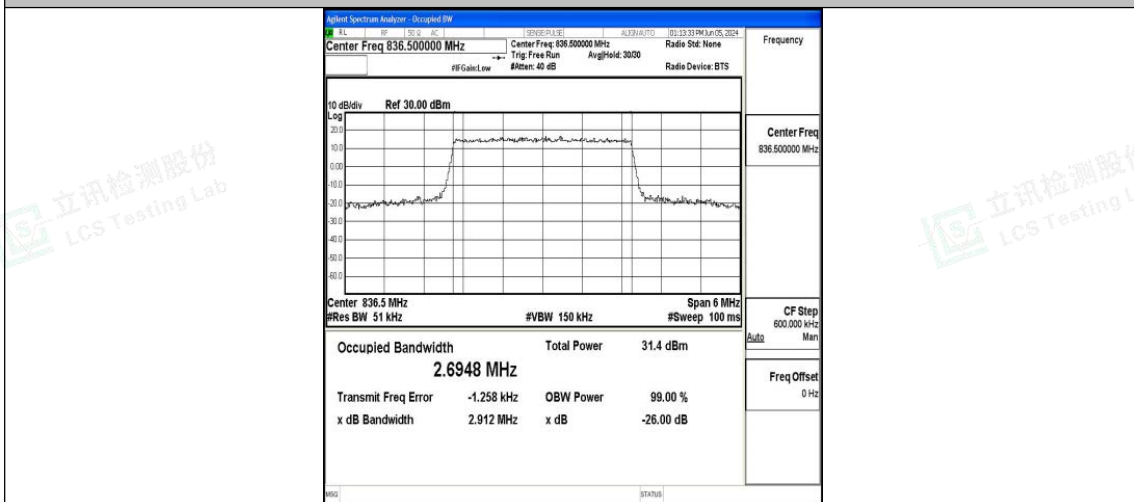




Band5-3MHz-QPSK-20415-15RB#0-PASS

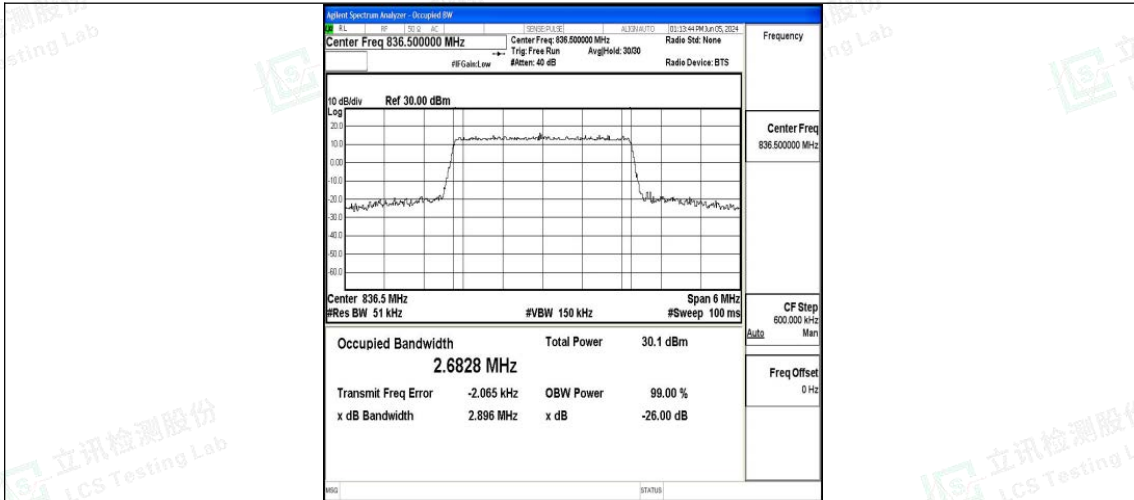


Band5-3MHz-16QAM-20415-15RB#0-PASS

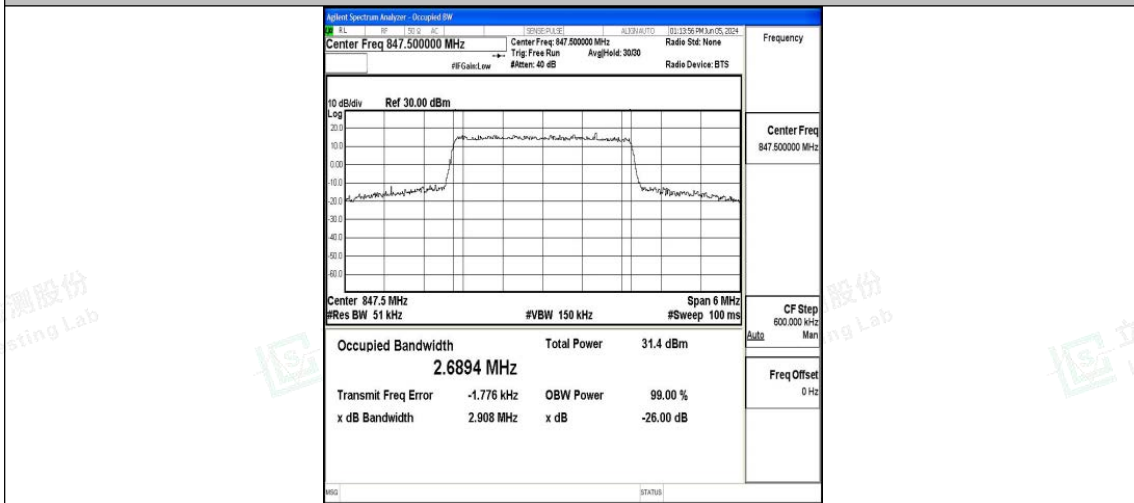


Band5-3MHz-QPSK-20525-15RB#0-PASS

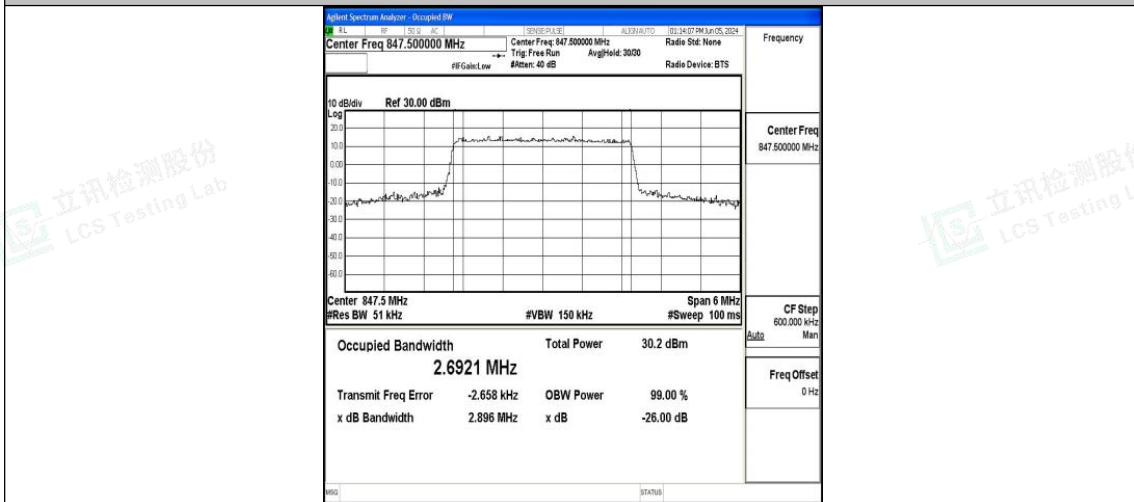




Band5-3MHz-16QAM-20525-15RB#0-PASS

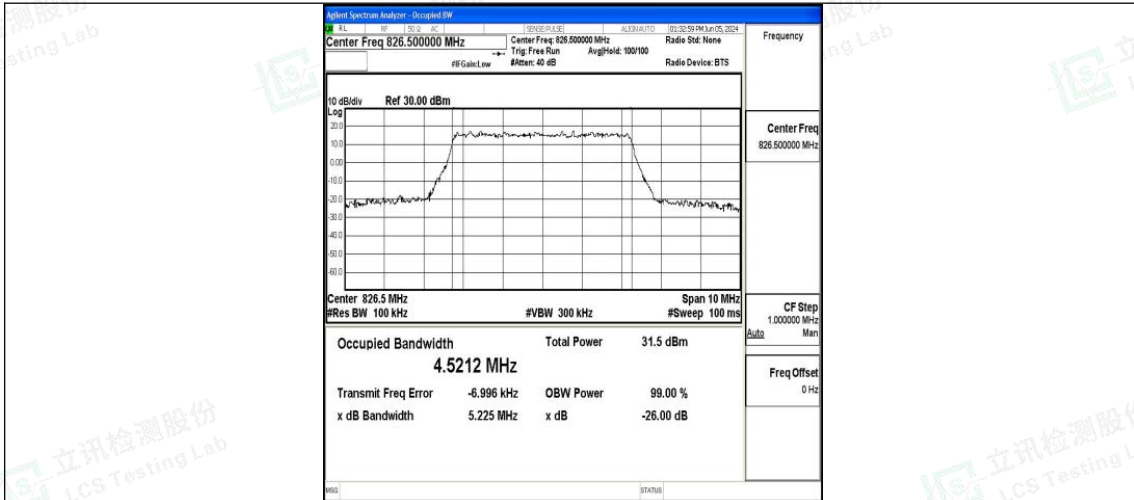


Band5-3MHz-QPSK-20635-15RB#0-PASS

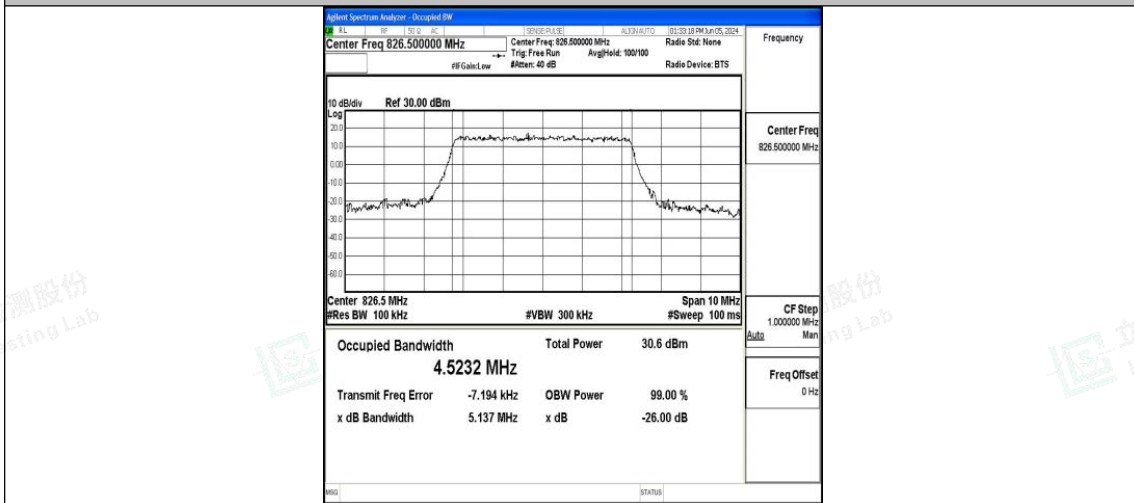


Band5-3MHz-16QAM-20635-15RB#0-PASS

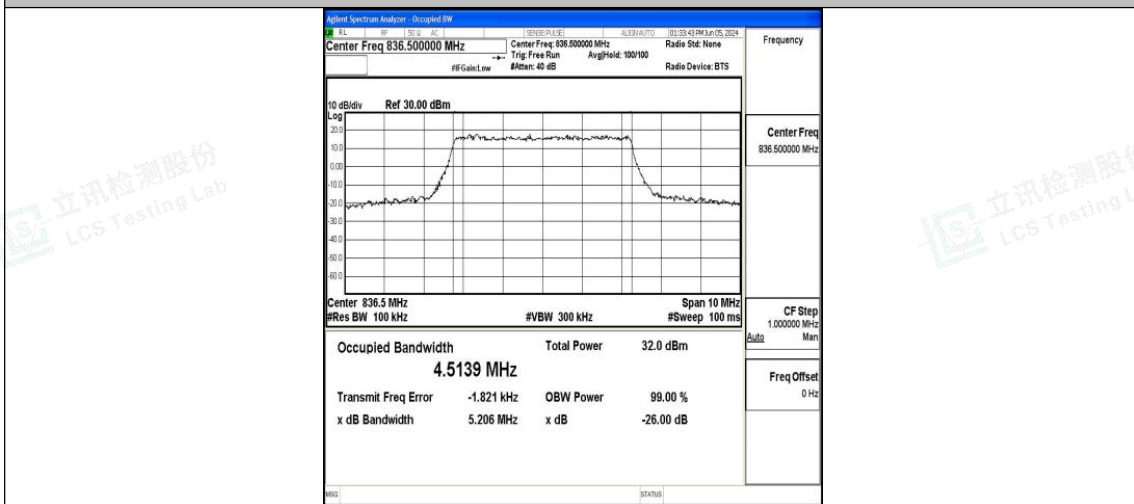




Band5-5MHz-QPSK-20425-25RB#0-PASS

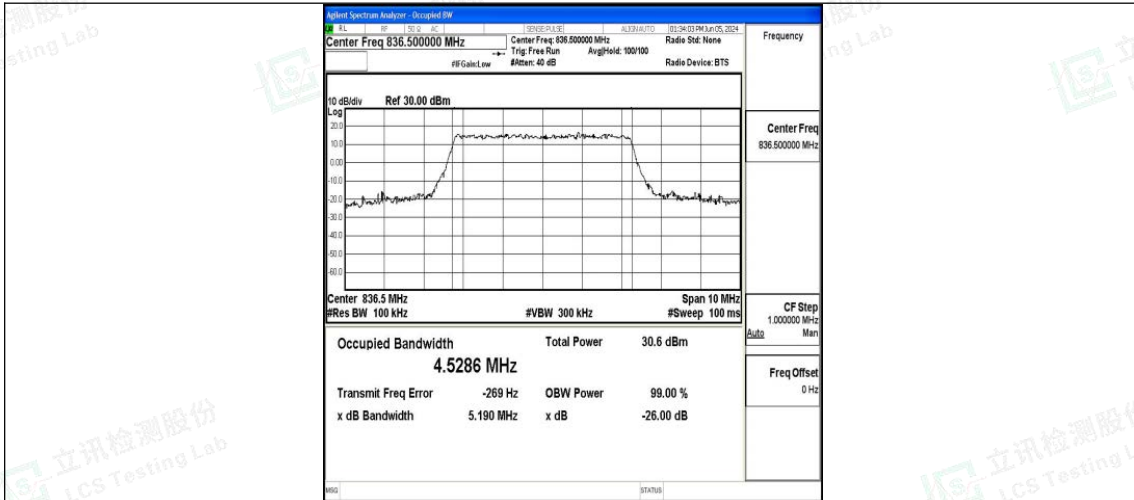


Band5-5MHz-16QAM-20425-25RB#0-PASS

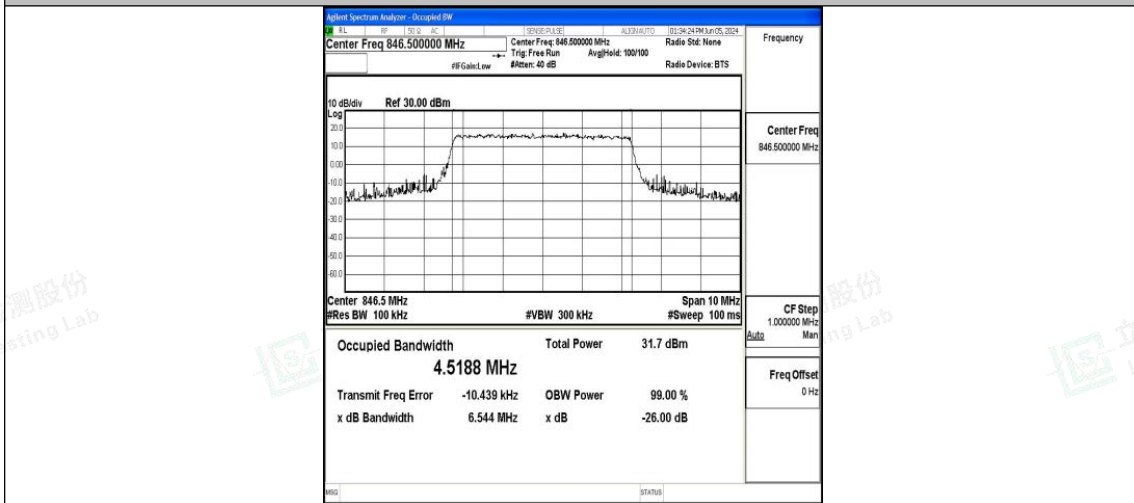


Band5-5MHz-QPSK-20525-25RB#0-PASS

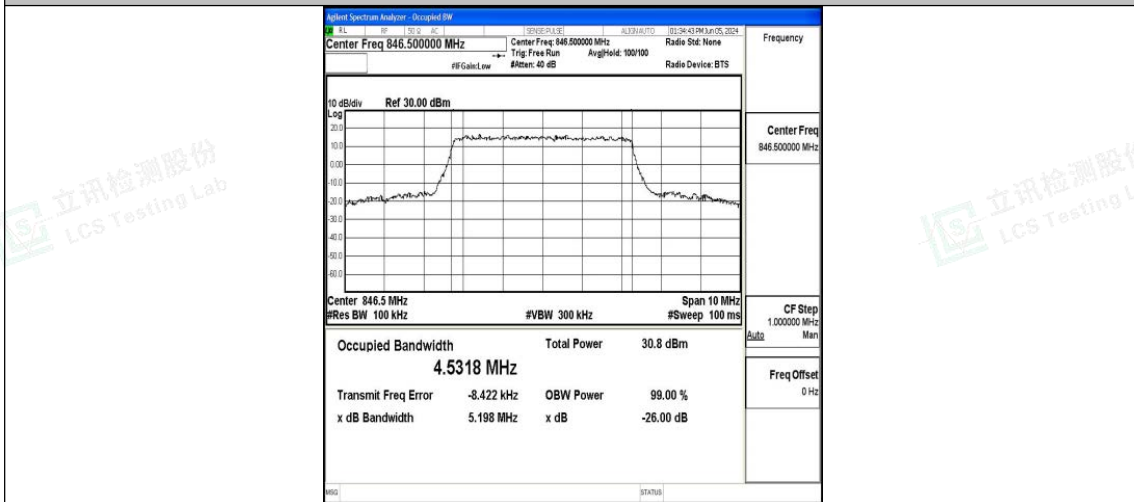




Band5-5MHz-16QAM-20525-25RB#0-PASS

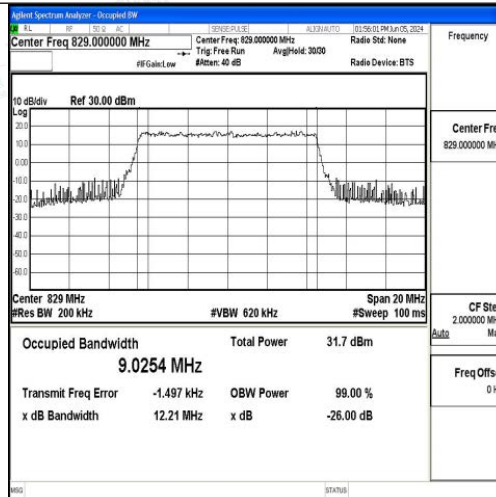


Band5-5MHz-QPSK-20625-25RB#0-PASS

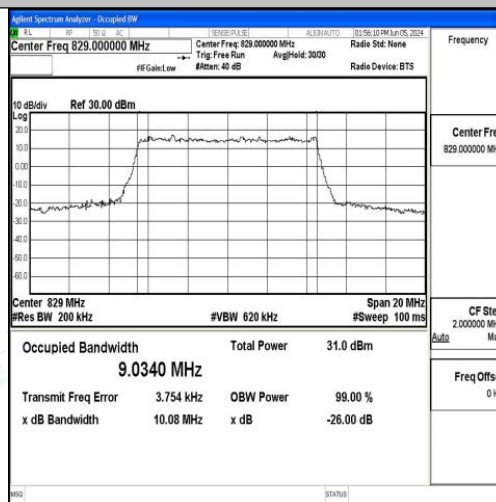


Band5-5MHz-16QAM-20625-25RB#0-PASS

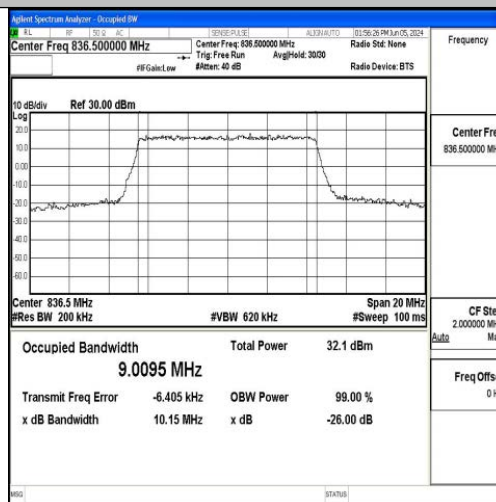




Band5-10MHz-QPSK-20450-50RB#0-PASS

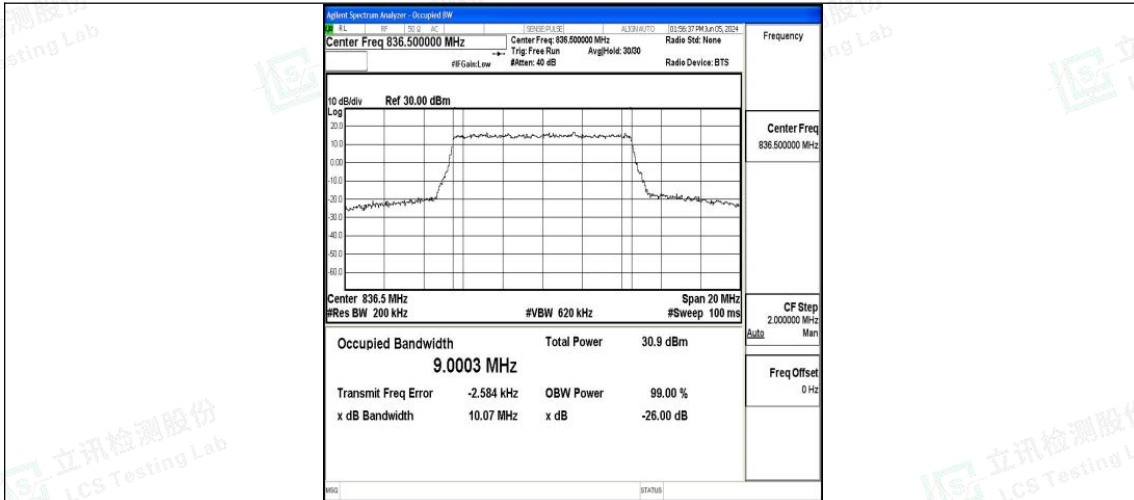


Band5-10MHz-16QAM-20450-50RB#0-PASS

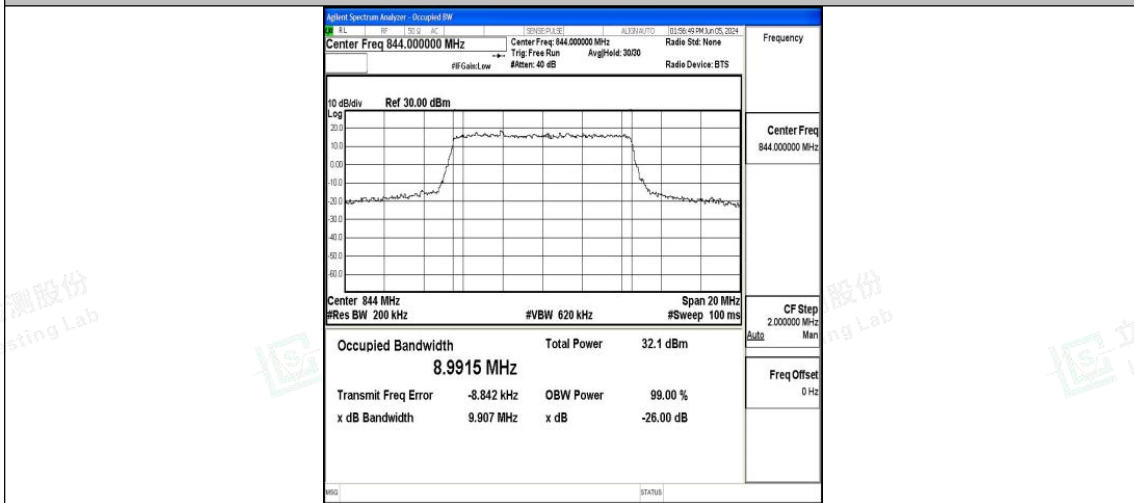


Band5-10MHz-QPSK-20525-50RB#0-PASS

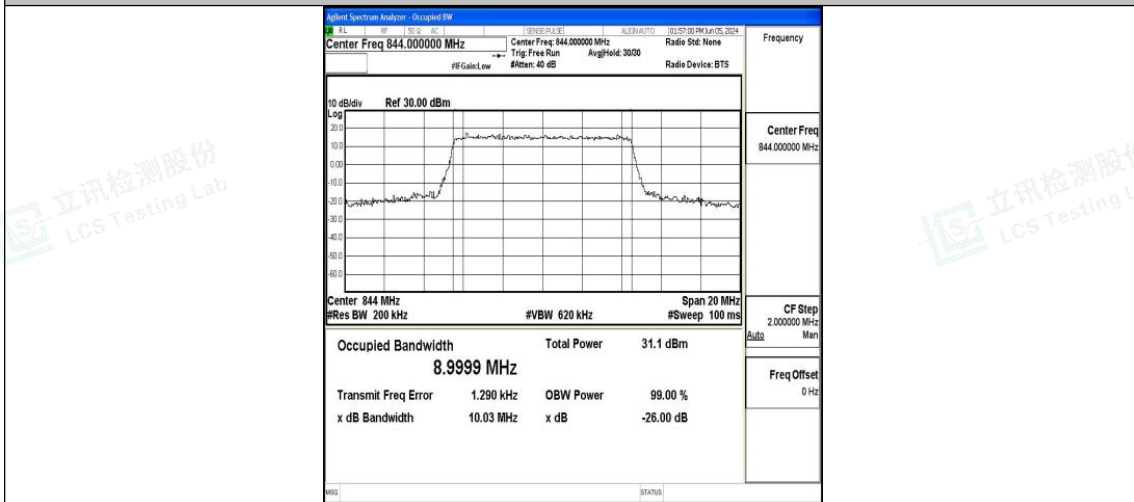




Band5-10MHz-16QAM-20525-50RB#0-PASS



Band5-10MHz-QPSK-20600-50RB#0-PASS



Band5-10MHz-16QAM-20600-50RB#0-PASS



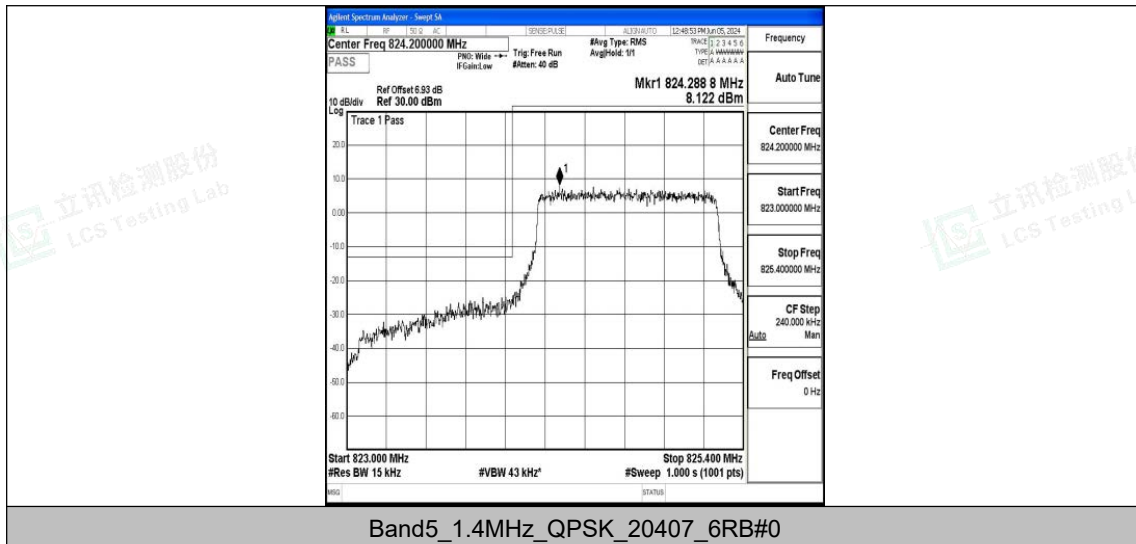


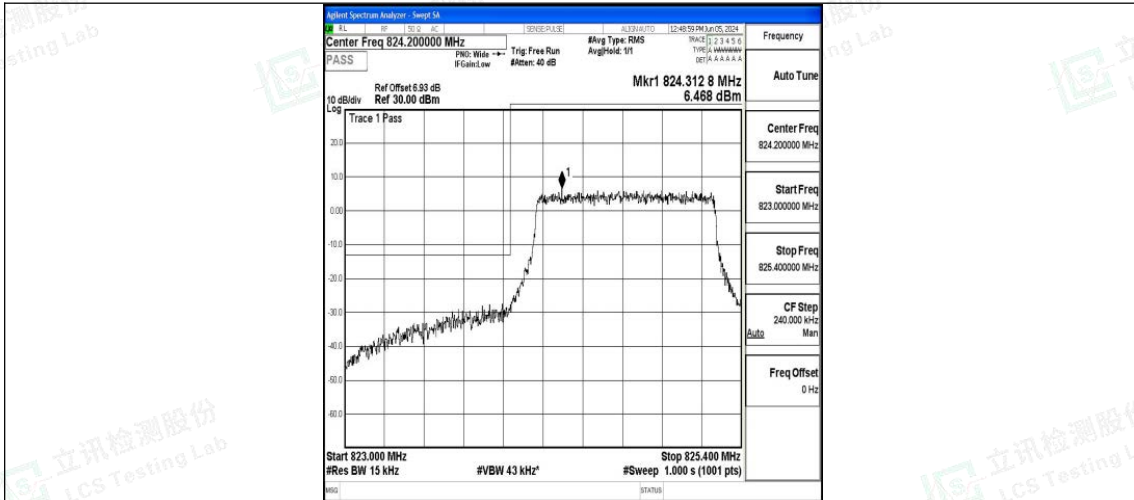
H.4 Band Edge

Test Result

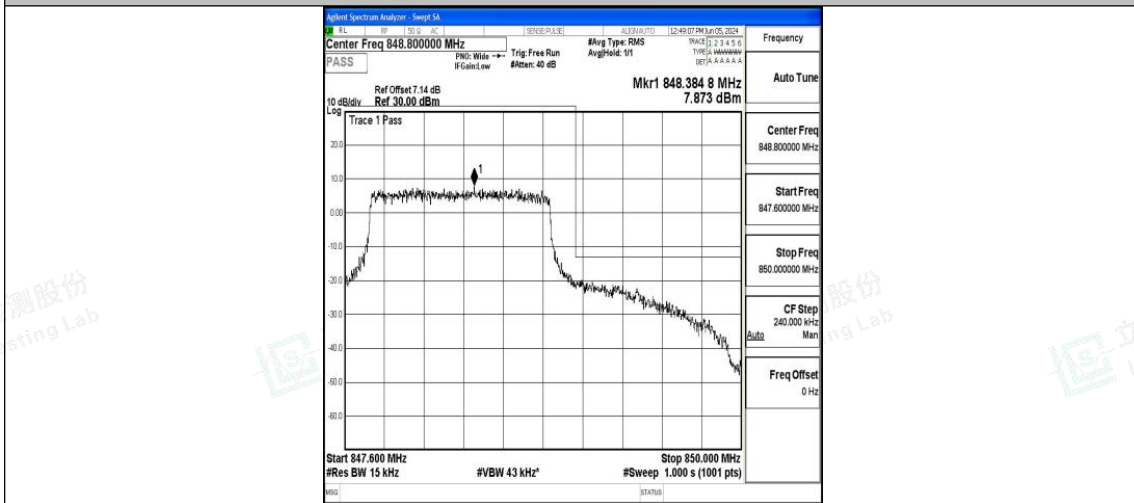
Band	Bandwidth	Modulation	Channel	RB Configuration	Peak Frequency	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	823.96	-24.91	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	823.95	-27.43	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	849.03	-19.98	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	849.04	-22.44	PASS
Band5	3MHz	QPSK	20415	15RB#0	824.00	-29.22	PASS
Band5	3MHz	16QAM	20415	15RB#0	823.99	-31.79	PASS
Band5	3MHz	QPSK	20635	15RB#0	849.14	-21.68	PASS
Band5	3MHz	16QAM	20635	15RB#0	849.10	-25.29	PASS
Band5	5MHz	QPSK	20425	25RB#0	824.00	-22.97	PASS
Band5	5MHz	16QAM	20425	25RB#0	823.97	-26.05	PASS
Band5	5MHz	QPSK	20625	25RB#0	849.02	-22.58	PASS
Band5	5MHz	16QAM	20625	25RB#0	849.01	-24.91	PASS
Band5	10MHz	QPSK	20450	50RB#0	823.98	-27.13	PASS
Band5	10MHz	16QAM	20450	50RB#0	823.99	-29.64	PASS
Band5	10MHz	QPSK	20600	50RB#0	849.04	-26.54	PASS
Band5	10MHz	16QAM	20600	50RB#0	849.01	-28.66	PASS

Test Graphs

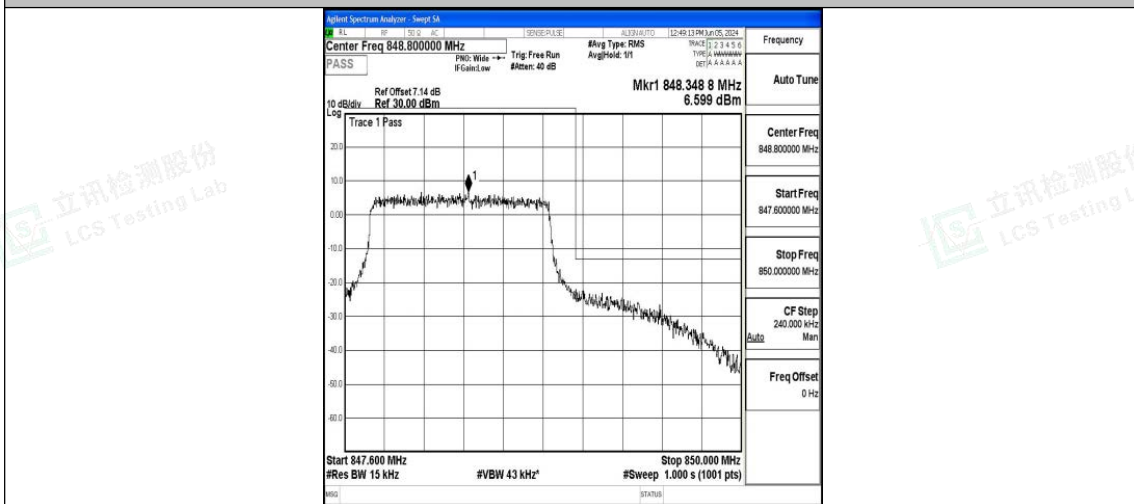




Band5_1.4MHz_16QAM_20407_6RB#0

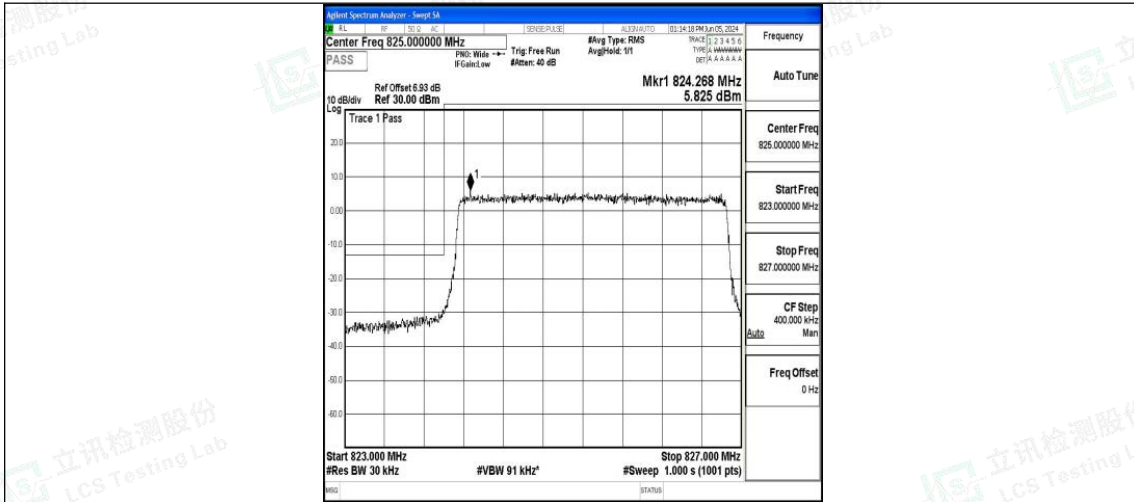


Band5_1.4MHz_QPSK_20643_6RB#0

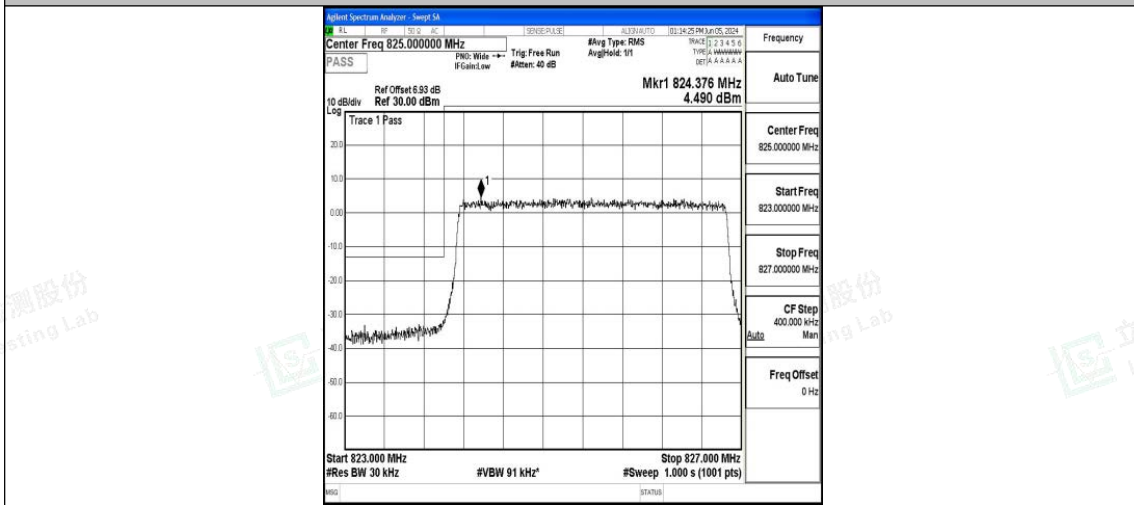


Band5_1.4MHz_16QAM_20643_6RB#0

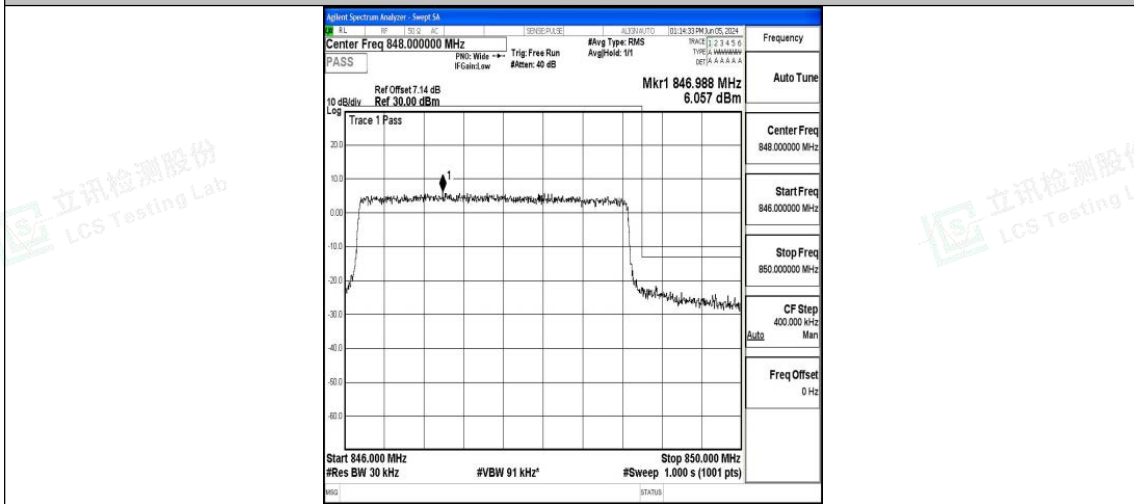




Band5_3MHz_QPSK_20415_15RB#0

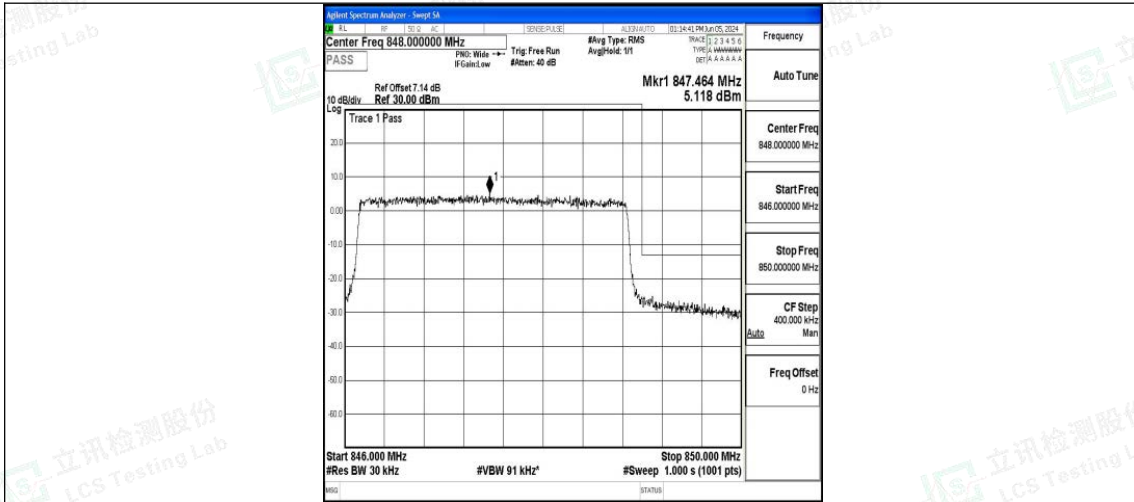


Band5_3MHz_16QAM_20415_15RB#0

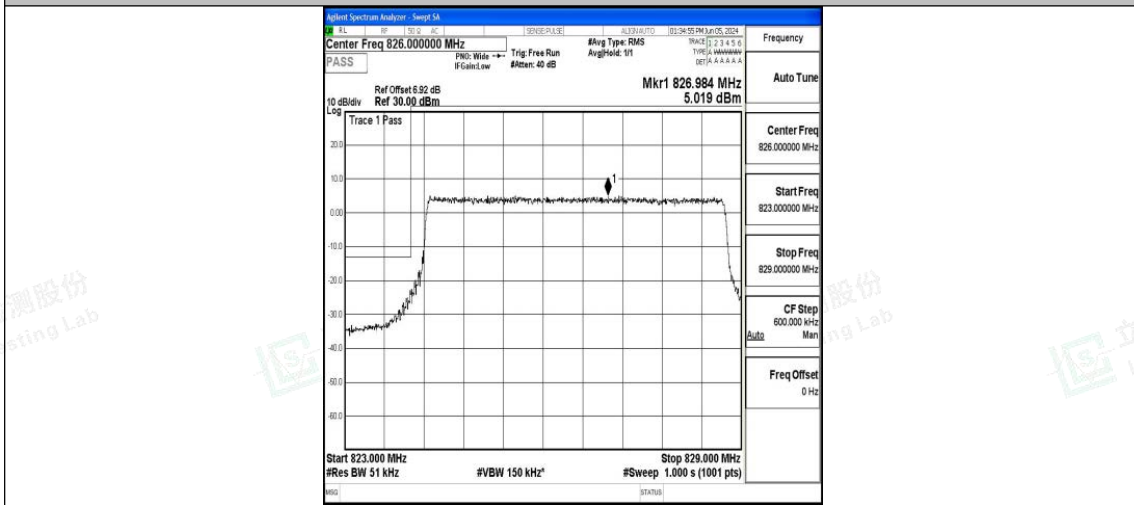


Band5_3MHz_QPSK_20635_15RB#0

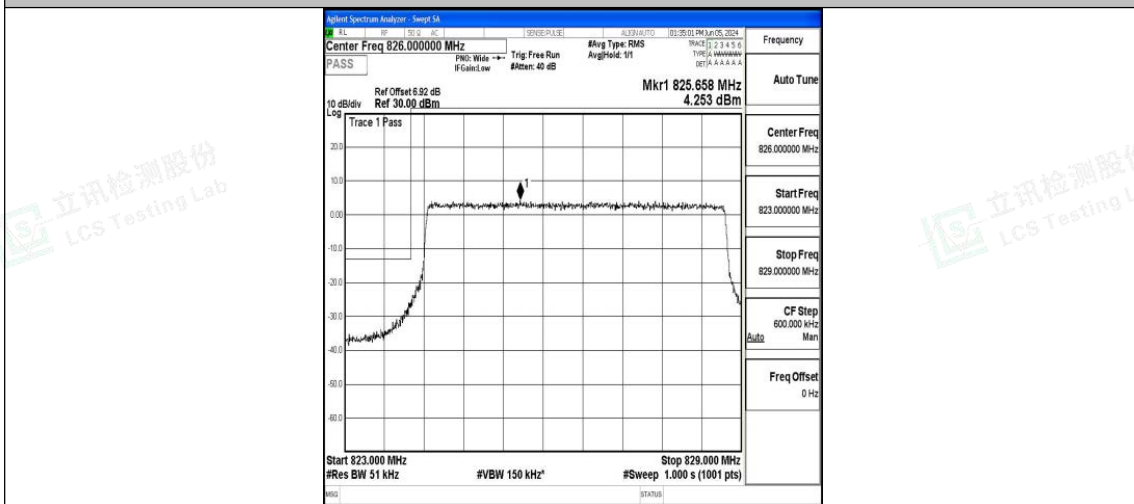




Band5_3MHz_16QAM_20635_15RB#0

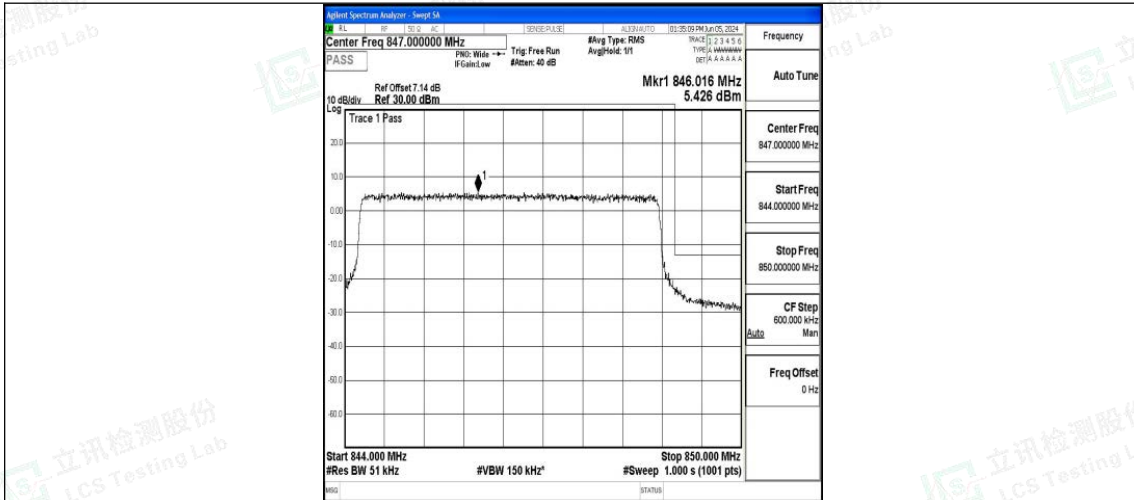


Band5_5MHz_QPSK_20425_25RB#0

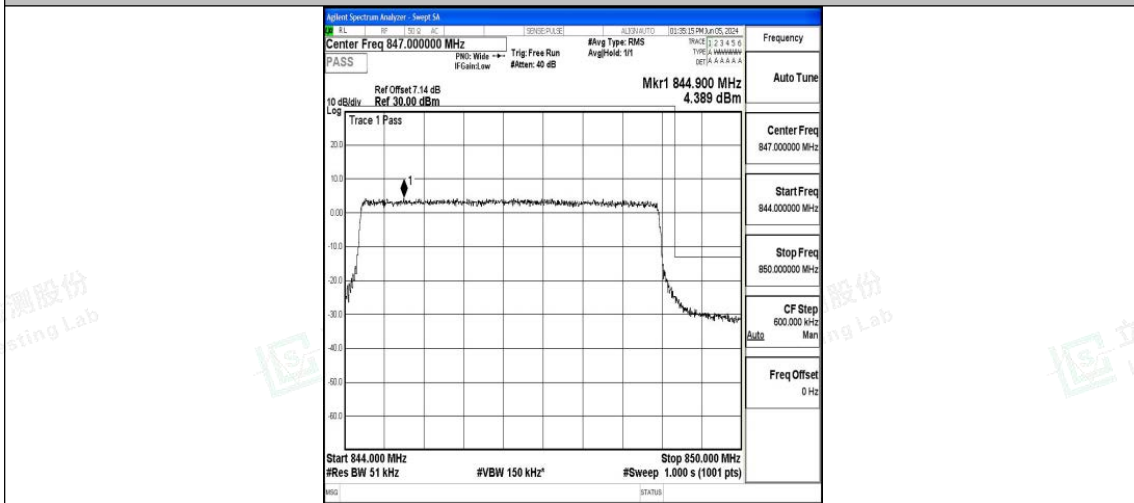


Band5_5MHz_16QAM_20425_25RB#0

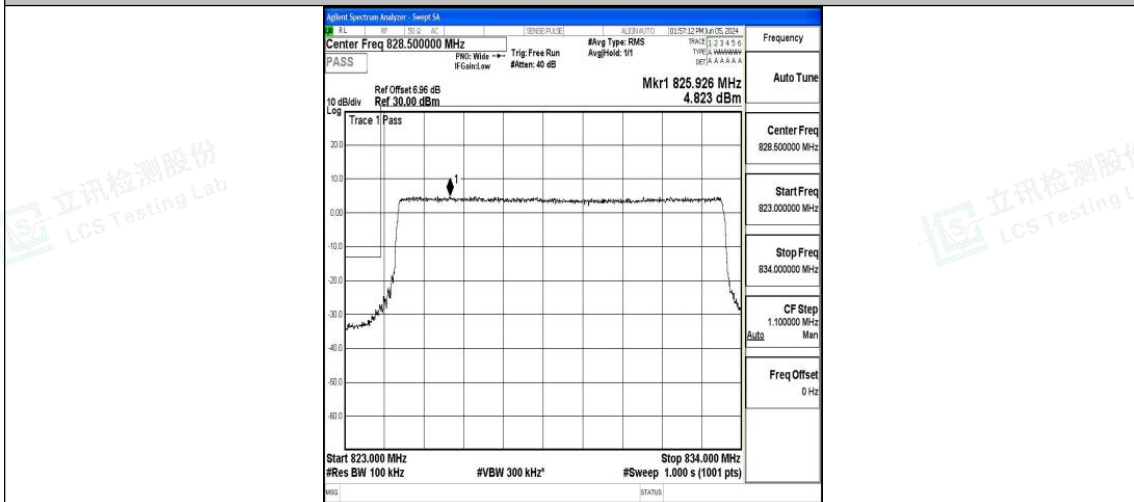




Band5_5MHz_QPSK_20625_25RB#0

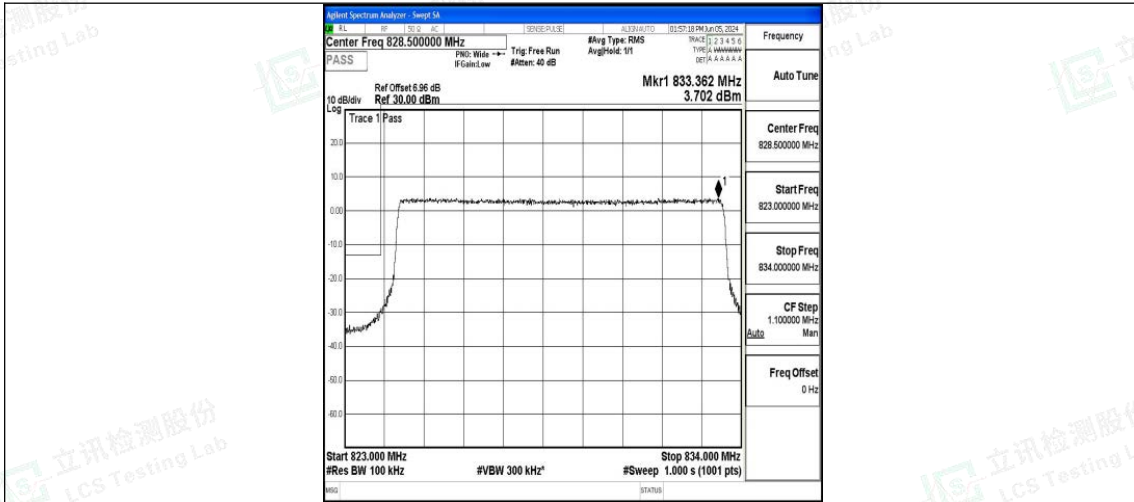


Band5_5MHz_16QAM_20625_25RB#0

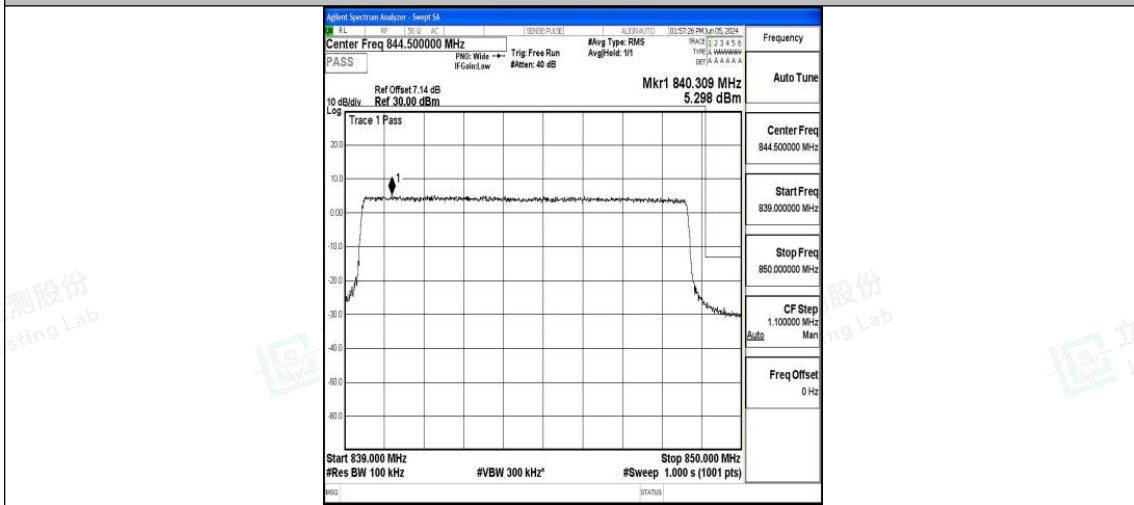


Band5_10MHz_QPSK_20450_50RB#0

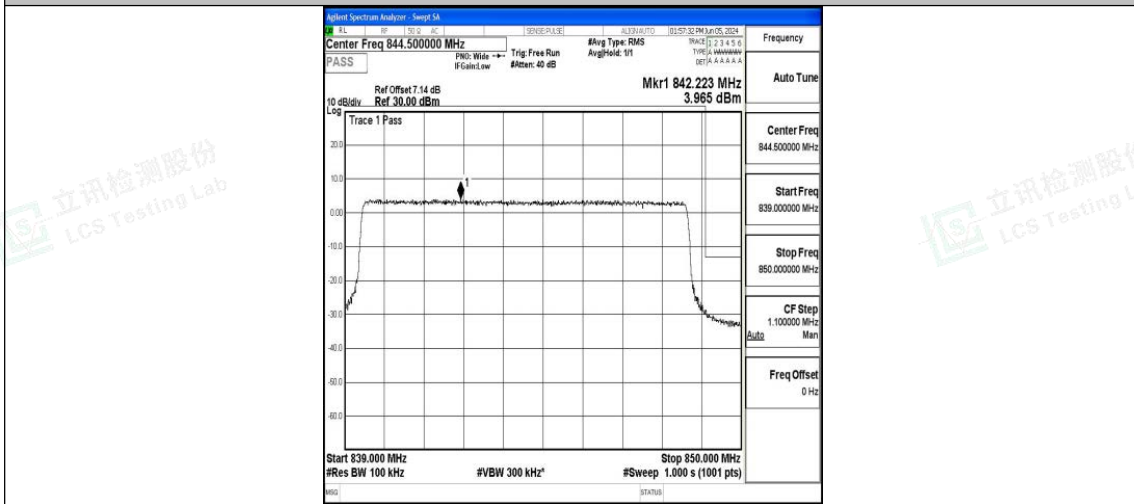




Band5_10MHz_16QAM_20450_50RB#0



Band5_10MHz_QPSK_20600_50RB#0



Band5_10MHz_16QAM_20600_50RB#0





H.5 Conducted Spurious Emission

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	0.009~0.15	-56.73	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	0.15~30	-52.93	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	30~1000	-39.72	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	1000~3000	-41.29	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	3000~10000	-44.28	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	0.009~0.15	-56.66	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	0.15~30	-52.95	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	30~1000	-40.30	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	1000~3000	-42.05	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	3000~10000	-44.30	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	0.009~0.15	-57.41	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	0.15~30	-53.40	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	30~1000	-49.32	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	1000~3000	-40.27	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	3000~10000	-44.00	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	0.009~0.15	-57.17	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	0.15~30	-53.55	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	30~1000	-48.28	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	1000~3000	-41.70	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	3000~10000	-43.89	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	0.009~0.15	-58.58	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	0.15~30	-51.20	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	30~1000	-46.21	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	1000~3000	-43.19	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	3000~10000	-44.01	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	0.009~0.15	-58.53	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	0.15~30	-52.04	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	30~1000	-50.07	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	1000~3000	-43.55	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	3000~10000	-44.07	PASS
Band5	3MHz	QPSK	20415	1RB#0	0.009~0.15	-59.67	PASS
Band5	3MHz	QPSK	20415	1RB#0	0.15~30	-51.60	PASS
Band5	3MHz	QPSK	20415	1RB#0	30~1000	-57.67	PASS
Band5	3MHz	QPSK	20415	1RB#0	1000~3000	-41.49	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



Band5	3MHz	QPSK	20415	1RB#0	3000~10000	-43.97	PASS
Band5	3MHz	16QAM	20415	1RB#0	0.009~0.15	-58.64	PASS
Band5	3MHz	16QAM	20415	1RB#0	0.15~30	-52.70	PASS
Band5	3MHz	16QAM	20415	1RB#0	30~1000	-59.13	PASS
Band5	3MHz	16QAM	20415	1RB#0	1000~3000	-42.13	PASS
Band5	3MHz	16QAM	20415	1RB#0	3000~10000	-43.86	PASS
Band5	3MHz	QPSK	20525	1RB#0	0.009~0.15	-58.98	PASS
Band5	3MHz	QPSK	20525	1RB#0	0.15~30	-51.70	PASS
Band5	3MHz	QPSK	20525	1RB#0	30~1000	-57.91	PASS
Band5	3MHz	QPSK	20525	1RB#0	1000~3000	-39.12	PASS
Band5	3MHz	QPSK	20525	1RB#0	3000~10000	-44.20	PASS
Band5	3MHz	16QAM	20525	1RB#0	0.009~0.15	-55.68	PASS
Band5	3MHz	16QAM	20525	1RB#0	0.15~30	-50.46	PASS
Band5	3MHz	16QAM	20525	1RB#0	30~1000	-57.67	PASS
Band5	3MHz	16QAM	20525	1RB#0	1000~3000	-39.45	PASS
Band5	3MHz	16QAM	20525	1RB#0	3000~10000	-44.27	PASS
Band5	3MHz	QPSK	20635	1RB#0	0.009~0.15	-54.75	PASS
Band5	3MHz	QPSK	20635	1RB#0	0.15~30	-53.89	PASS
Band5	3MHz	QPSK	20635	1RB#0	30~1000	-57.19	PASS
Band5	3MHz	QPSK	20635	1RB#0	1000~3000	-42.77	PASS
Band5	3MHz	QPSK	20635	1RB#0	3000~10000	-44.05	PASS
Band5	3MHz	16QAM	20635	1RB#0	0.009~0.15	-56.73	PASS
Band5	3MHz	16QAM	20635	1RB#0	0.15~30	-53.64	PASS
Band5	3MHz	16QAM	20635	1RB#0	30~1000	-56.28	PASS
Band5	3MHz	16QAM	20635	1RB#0	1000~3000	-43.38	PASS
Band5	3MHz	16QAM	20635	1RB#0	3000~10000	-44.11	PASS
Band5	5MHz	QPSK	20425	1RB#0	0.009~0.15	-58.82	PASS
Band5	5MHz	QPSK	20425	1RB#0	0.15~30	-51.53	PASS
Band5	5MHz	QPSK	20425	1RB#0	30~1000	-61.73	PASS
Band5	5MHz	QPSK	20425	1RB#0	1000~3000	-41.22	PASS
Band5	5MHz	QPSK	20425	1RB#0	3000~10000	-44.17	PASS
Band5	5MHz	16QAM	20425	1RB#0	0.009~0.15	-58.99	PASS
Band5	5MHz	16QAM	20425	1RB#0	0.15~30	-55.01	PASS
Band5	5MHz	16QAM	20425	1RB#0	30~1000	-62.09	PASS
Band5	5MHz	16QAM	20425	1RB#0	1000~3000	-42.26	PASS
Band5	5MHz	16QAM	20425	1RB#0	3000~10000	-44.29	PASS
Band5	5MHz	QPSK	20525	1RB#0	0.009~0.15	-57.87	PASS
Band5	5MHz	QPSK	20525	1RB#0	0.15~30	-52.88	PASS
Band5	5MHz	QPSK	20525	1RB#0	30~1000	-61.76	PASS
Band5	5MHz	QPSK	20525	1RB#0	1000~3000	-39.60	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



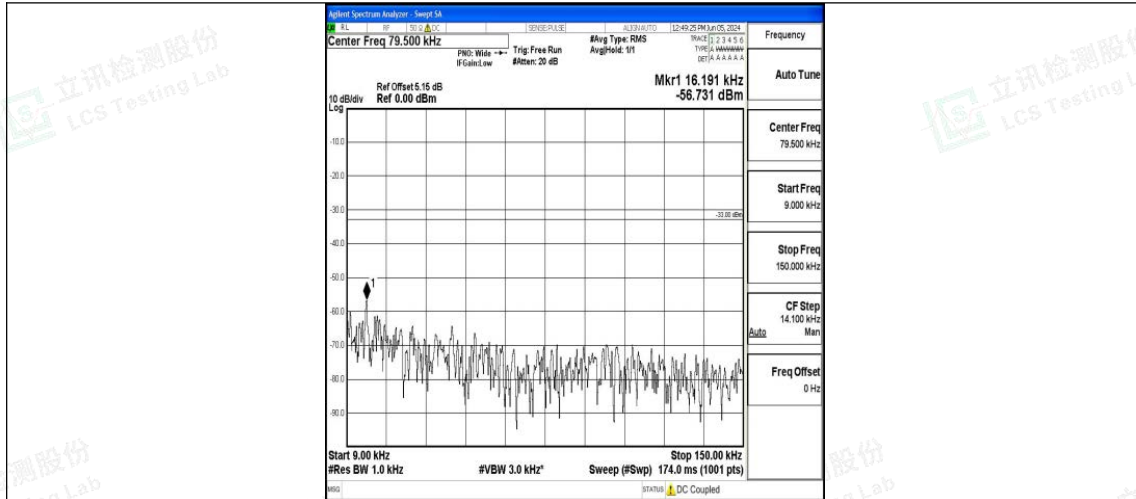
Band5	5MHz	QPSK	20525	1RB#0	3000~10000	-43.42	PASS
Band5	5MHz	16QAM	20525	1RB#0	0.009~0.15	-56.72	PASS
Band5	5MHz	16QAM	20525	1RB#0	0.15~30	-48.93	PASS
Band5	5MHz	16QAM	20525	1RB#0	30~1000	-61.94	PASS
Band5	5MHz	16QAM	20525	1RB#0	1000~3000	-42.04	PASS
Band5	5MHz	16QAM	20525	1RB#0	3000~10000	-43.74	PASS
Band5	5MHz	QPSK	20625	1RB#0	0.009~0.15	-57.95	PASS
Band5	5MHz	QPSK	20625	1RB#0	0.15~30	-53.21	PASS
Band5	5MHz	QPSK	20625	1RB#0	30~1000	-61.87	PASS
Band5	5MHz	QPSK	20625	1RB#0	1000~3000	-42.58	PASS
Band5	5MHz	QPSK	20625	1RB#0	3000~10000	-44.01	PASS
Band5	5MHz	16QAM	20625	1RB#0	0.009~0.15	-60.04	PASS
Band5	5MHz	16QAM	20625	1RB#0	0.15~30	-52.78	PASS
Band5	5MHz	16QAM	20625	1RB#0	30~1000	-61.72	PASS
Band5	5MHz	16QAM	20625	1RB#0	1000~3000	-42.52	PASS
Band5	5MHz	16QAM	20625	1RB#0	3000~10000	-44.14	PASS
Band5	10MHz	QPSK	20450	1RB#0	0.009~0.15	-59.74	PASS
Band5	10MHz	QPSK	20450	1RB#0	0.15~30	-51.36	PASS
Band5	10MHz	QPSK	20450	1RB#0	30~1000	-62.22	PASS
Band5	10MHz	QPSK	20450	1RB#0	1000~3000	-41.30	PASS
Band5	10MHz	QPSK	20450	1RB#0	3000~10000	-43.82	PASS
Band5	10MHz	16QAM	20450	1RB#0	0.009~0.15	-56.19	PASS
Band5	10MHz	16QAM	20450	1RB#0	0.15~30	-50.52	PASS
Band5	10MHz	16QAM	20450	1RB#0	30~1000	-61.91	PASS
Band5	10MHz	16QAM	20450	1RB#0	1000~3000	-41.76	PASS
Band5	10MHz	16QAM	20450	1RB#0	3000~10000	-44.34	PASS
Band5	10MHz	QPSK	20525	1RB#0	0.009~0.15	-56.04	PASS
Band5	10MHz	QPSK	20525	1RB#0	0.15~30	-51.20	PASS
Band5	10MHz	QPSK	20525	1RB#0	30~1000	-62.13	PASS
Band5	10MHz	QPSK	20525	1RB#0	1000~3000	-38.91	PASS
Band5	10MHz	QPSK	20525	1RB#0	3000~10000	-43.91	PASS
Band5	10MHz	16QAM	20525	1RB#0	0.009~0.15	-59.61	PASS
Band5	10MHz	16QAM	20525	1RB#0	0.15~30	-53.02	PASS
Band5	10MHz	16QAM	20525	1RB#0	30~1000	-61.96	PASS
Band5	10MHz	16QAM	20525	1RB#0	1000~3000	-39.47	PASS
Band5	10MHz	16QAM	20525	1RB#0	3000~10000	-44.07	PASS
Band5	10MHz	QPSK	20600	1RB#0	0.009~0.15	-57.90	PASS
Band5	10MHz	QPSK	20600	1RB#0	0.15~30	-52.31	PASS
Band5	10MHz	QPSK	20600	1RB#0	30~1000	-60.29	PASS
Band5	10MHz	QPSK	20600	1RB#0	1000~3000	-41.72	PASS



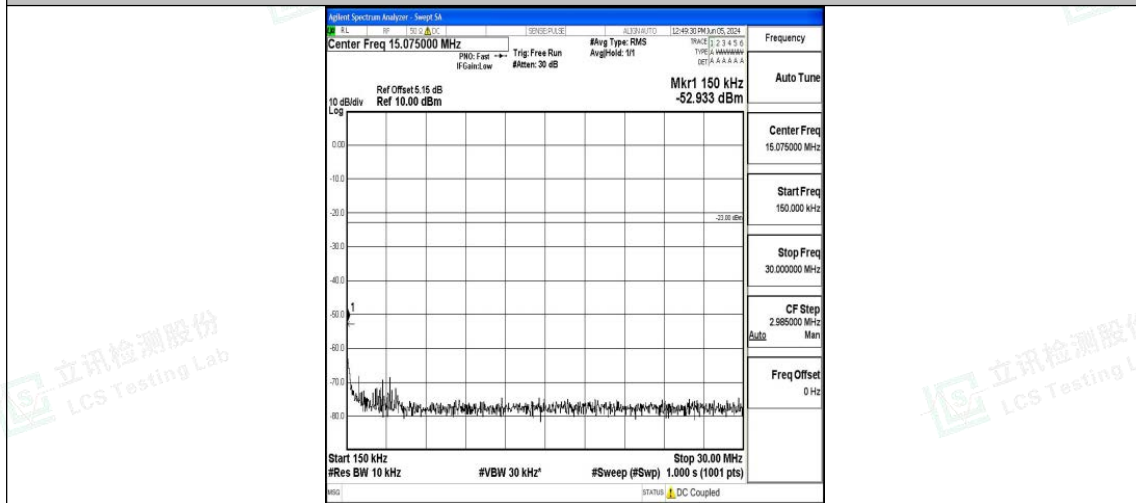


Band5	10MHz	QPSK	20600	1RB#0	3000~10000	-44.08	PASS
Band5	10MHz	16QAM	20600	1RB#0	0.009~0.15	-56.27	PASS
Band5	10MHz	16QAM	20600	1RB#0	0.15~30	-53.73	PASS
Band5	10MHz	16QAM	20600	1RB#0	30~1000	-61.99	PASS
Band5	10MHz	16QAM	20600	1RB#0	1000~3000	-42.42	PASS
Band5	10MHz	16QAM	20600	1RB#0	3000~10000	-44.41	PASS

Test Graphs

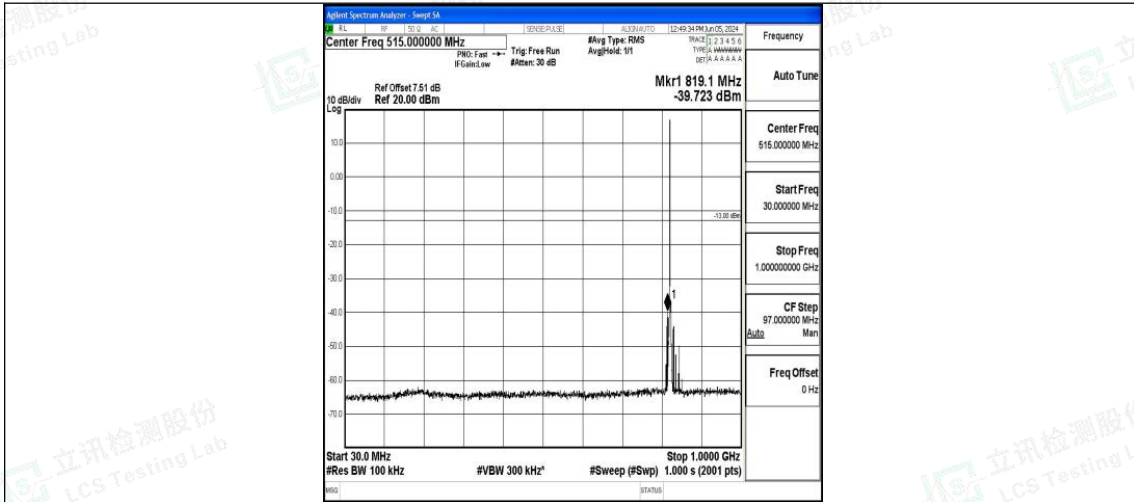


Band5_1.4MHz_QPSK_20407_1RB#0_0.009~0.15_0.009~0.15

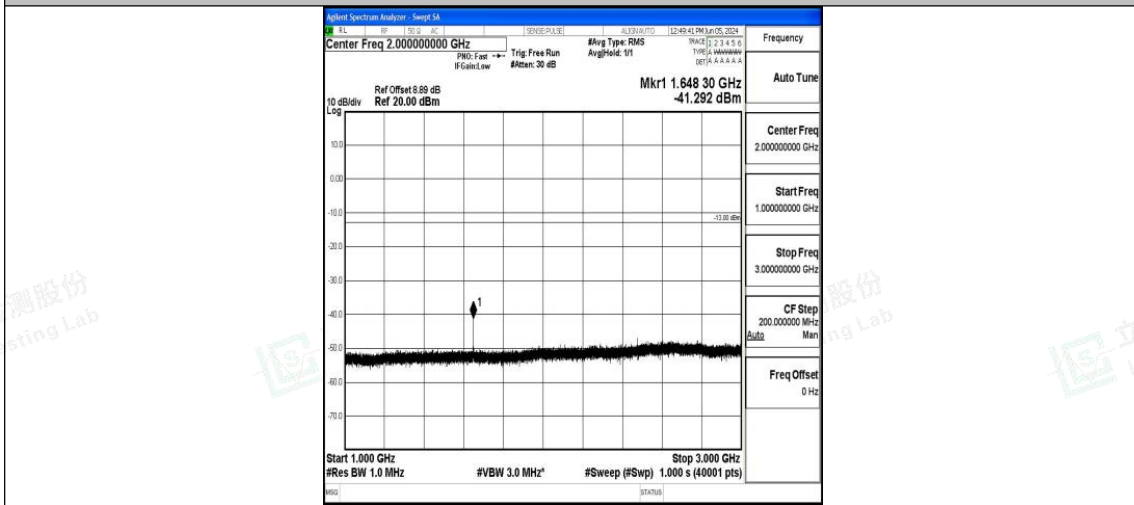


Band5_1.4MHz_QPSK_20407_1RB#0_0.15~30_0.15~30

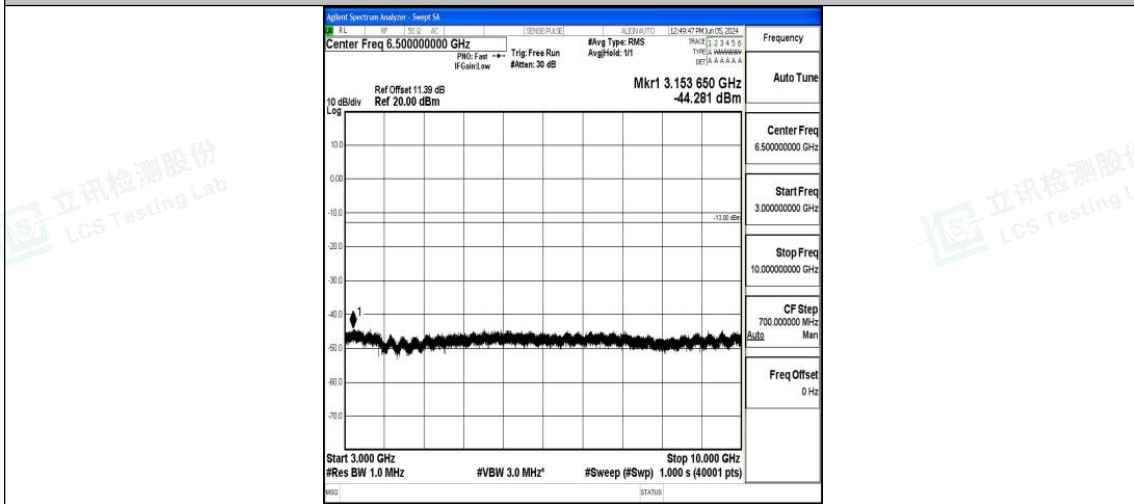




Band5_1.4MHz_QPSK_20407_1RB#0_30~1000_30~1000

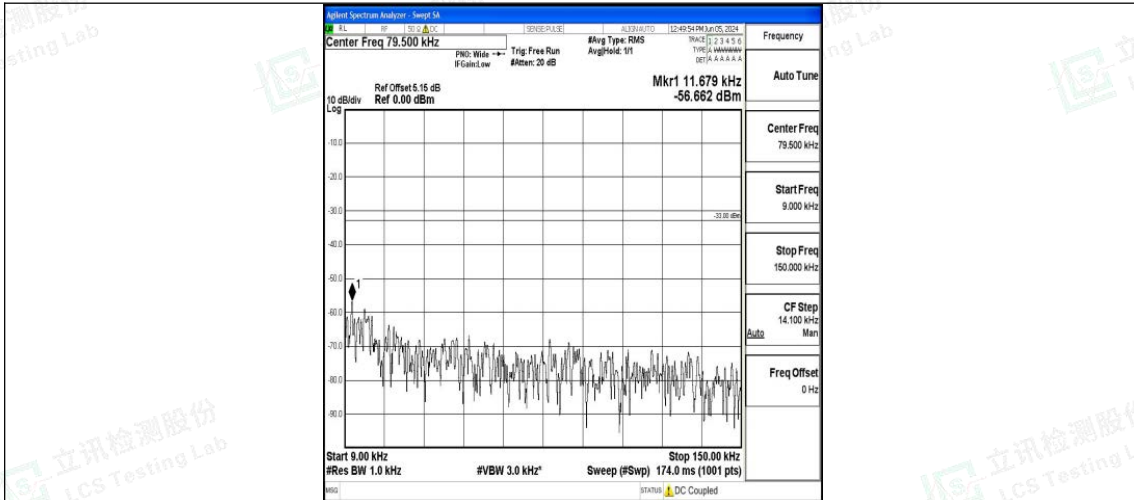


Band5_1.4MHz_QPSK_20407_1RB#0_1000~3000_1000~3000

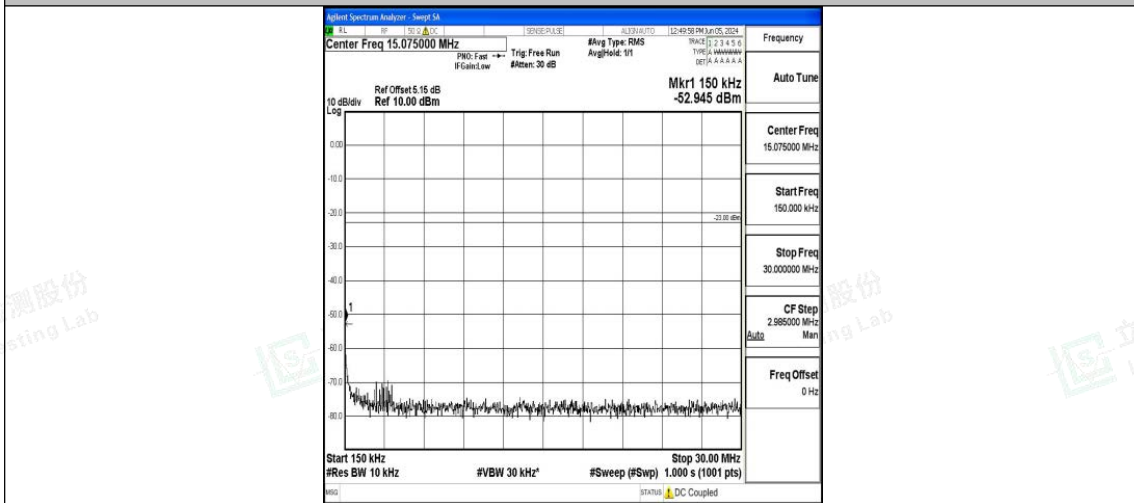


Band5_1.4MHz_QPSK_20407_1RB#0_3000~10000_3000~10000

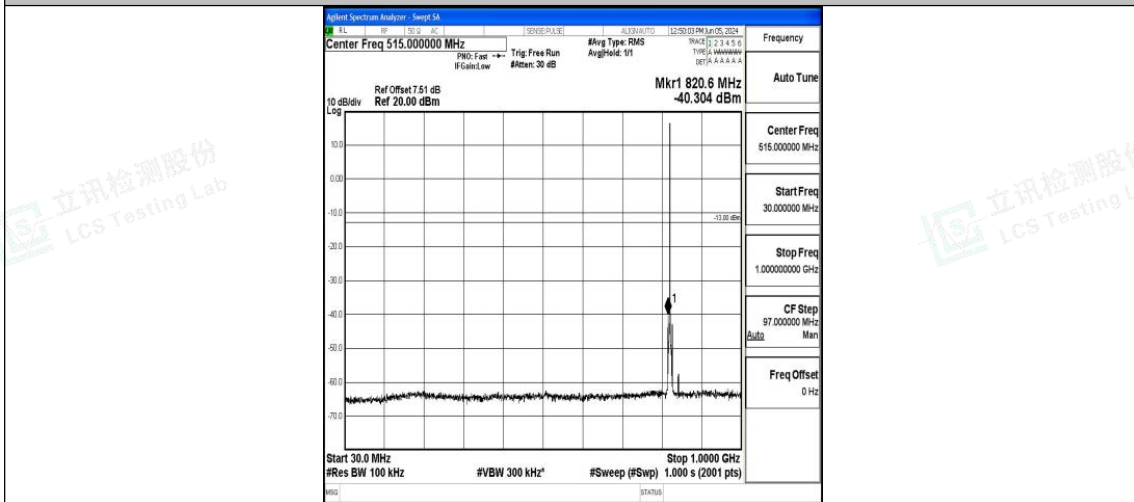




Band5_1.4MHz_16QAM_20407_1RB#0_0.009~0.15_0.009~0.15

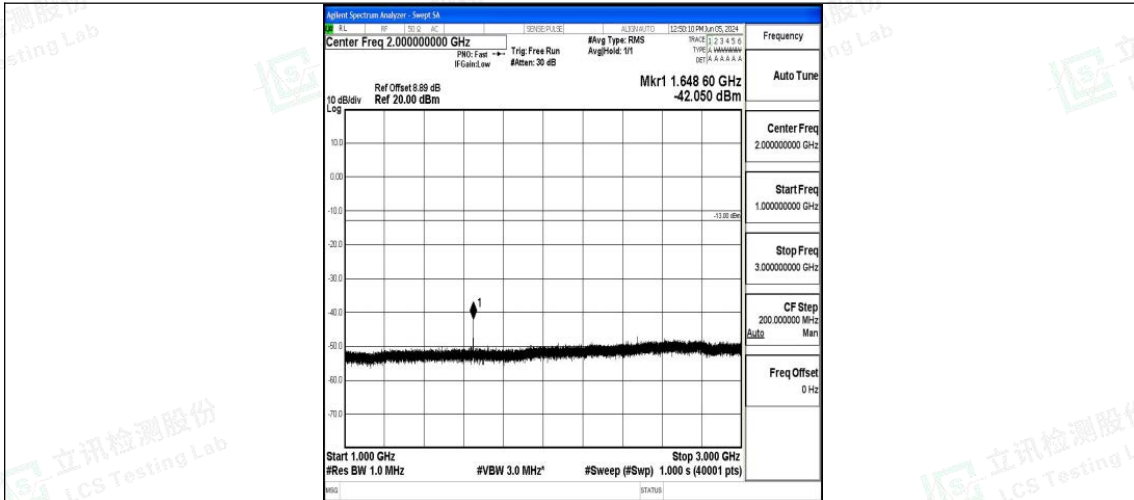


Band5_1.4MHz_16QAM_20407_1RB#0_0.15~30_0.15~30

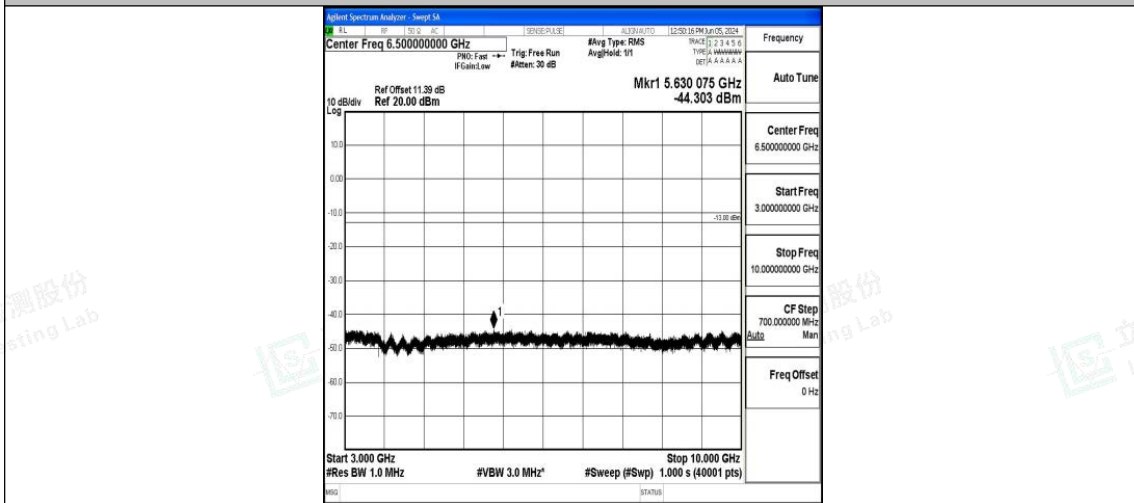


Band5_1.4MHz_16QAM_20407_1RB#0_30~1000_30~1000

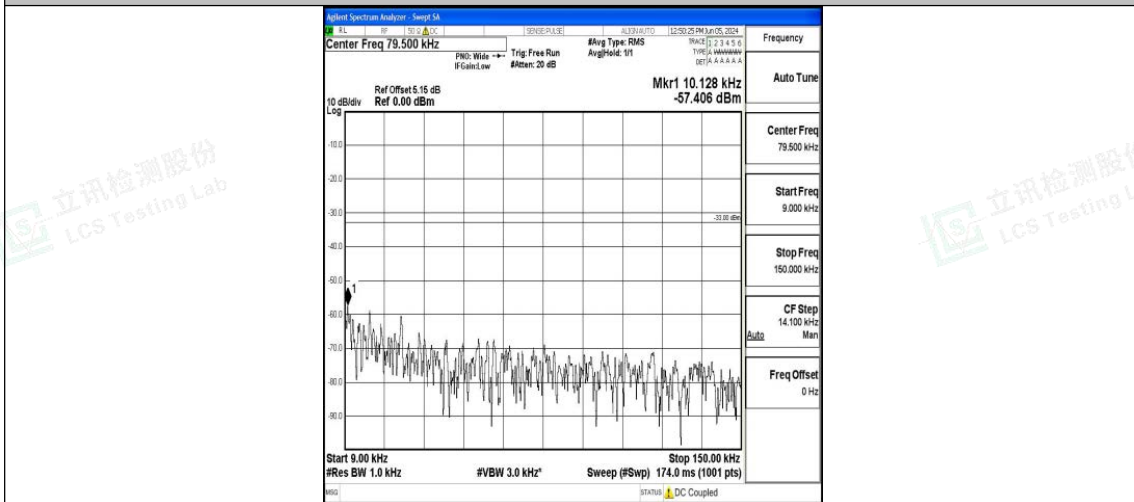




Band5_1.4MHz_16QAM_20407_1RB#0_1000~3000_1000~3000

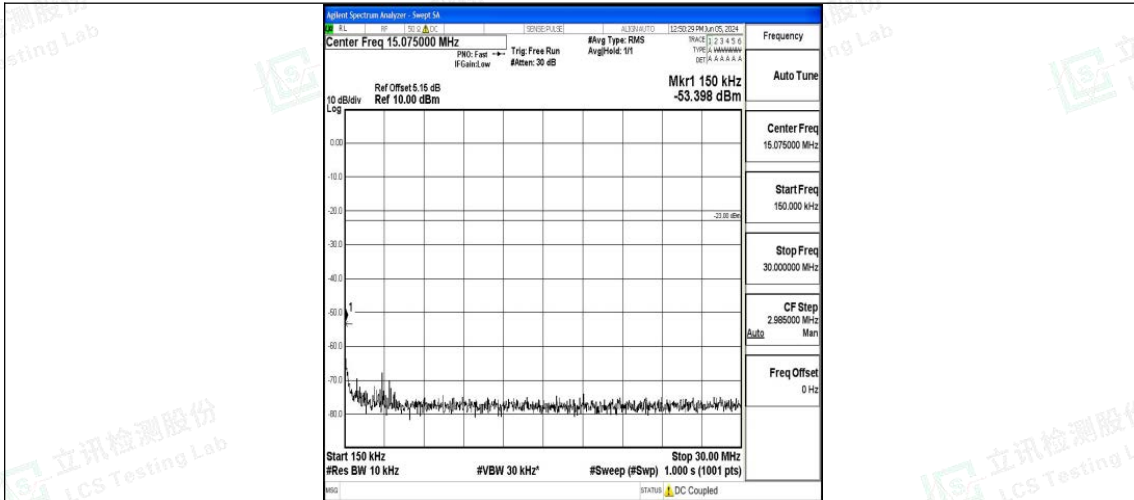


Band5_1.4MHz_16QAM_20407_1RB#0_3000~10000_3000~10000

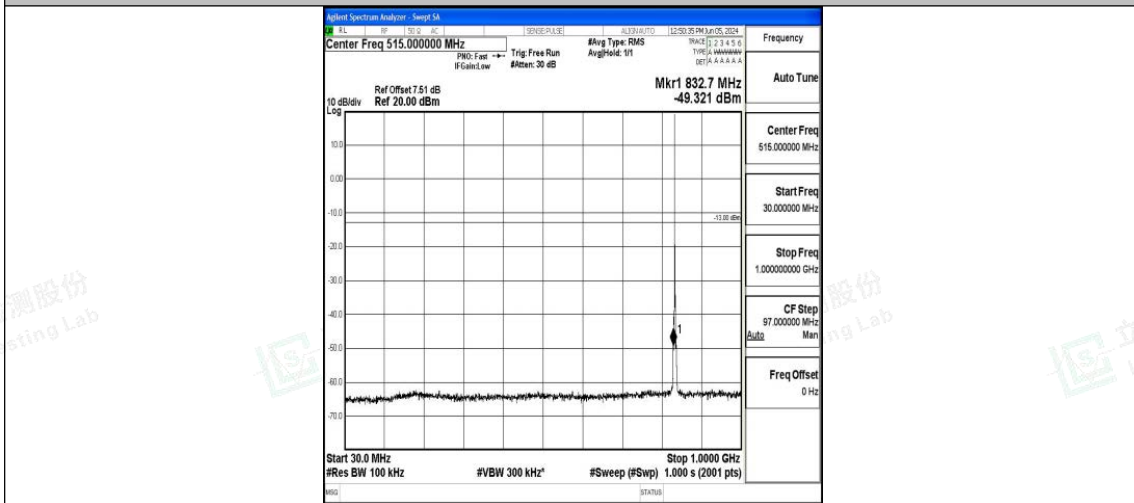


Band5_1.4MHz_QPSK_20525_1RB#0_0.009~0.15_0.009~0.15

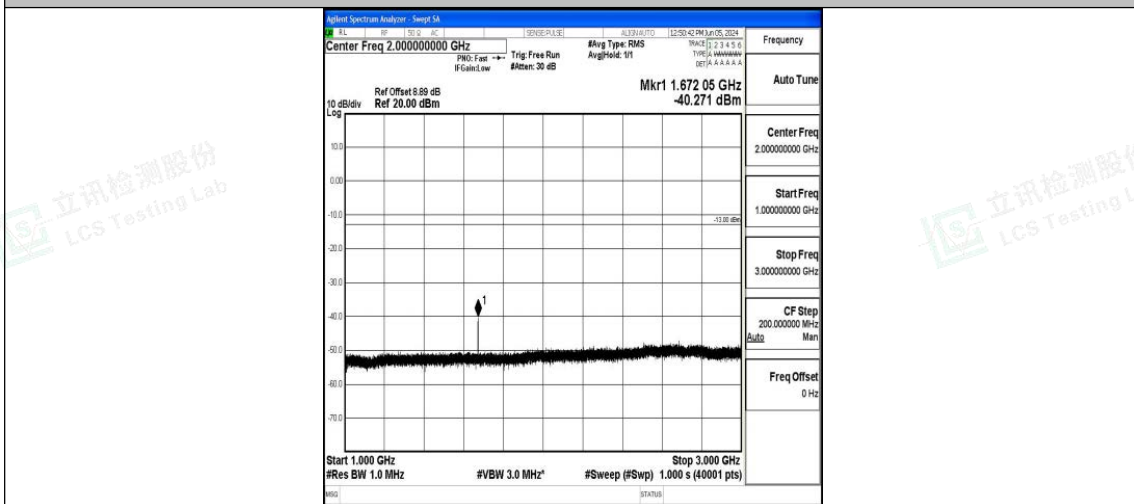




Band5_1.4MHz_QPSK_20525_1RB#0_0.15~30_0.15~30

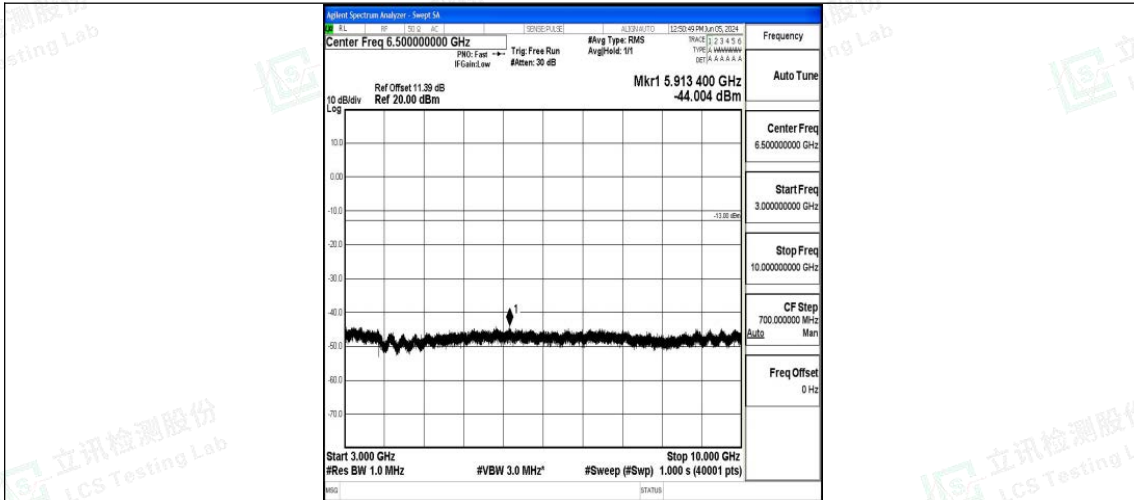


Band5_1.4MHz_QPSK_20525_1RB#0_30~1000_30~1000

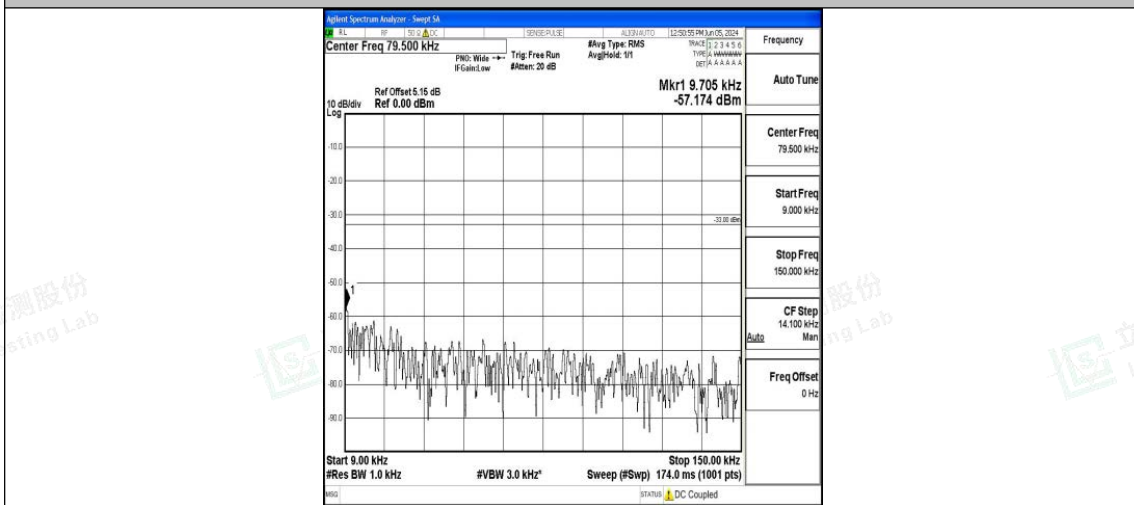


Band5_1.4MHz_QPSK_20525_1RB#0_1000~3000_1000~3000

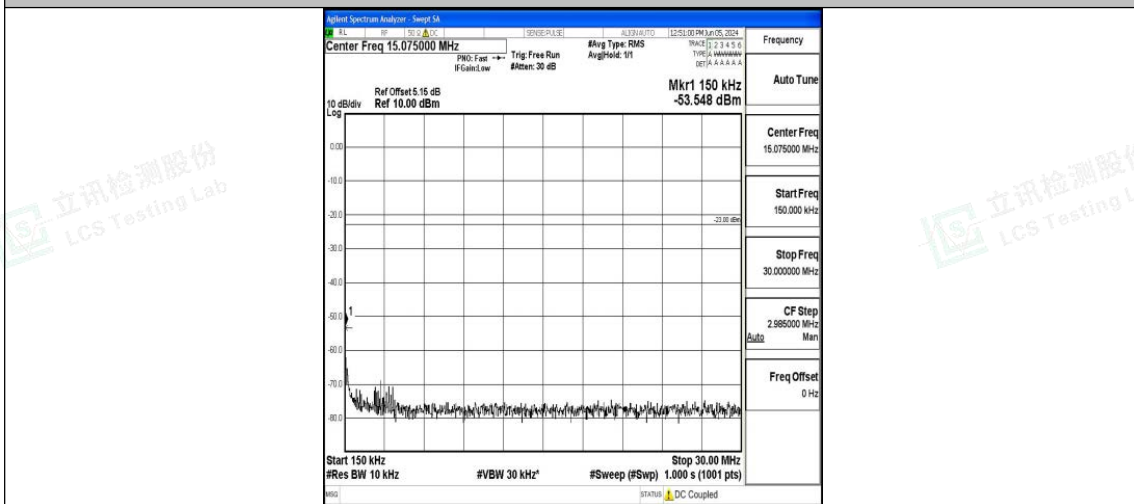




Band5_1.4MHz_QPSK_20525_1RB#0_3000~10000_3000~10000

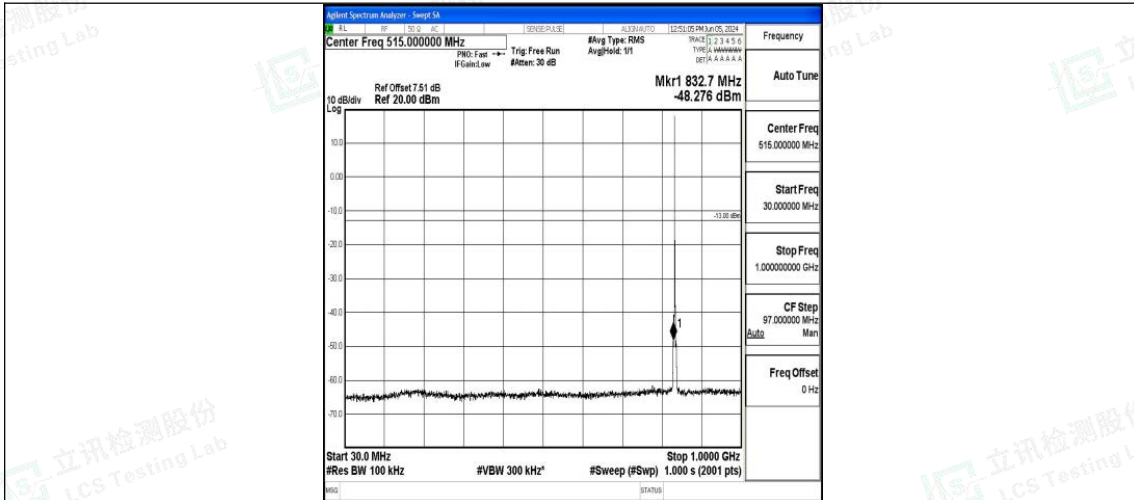


Band5_1.4MHz_16QAM_20525_1RB#0_0.009~0.15_0.009~0.15

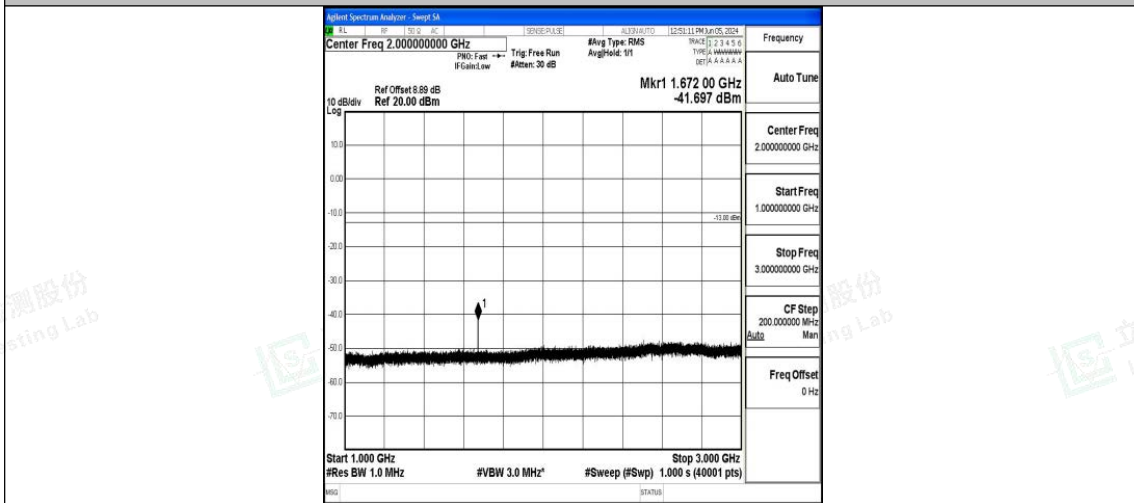


Band5_1.4MHz_16QAM_20525_1RB#0_0.15~30_0.15~30

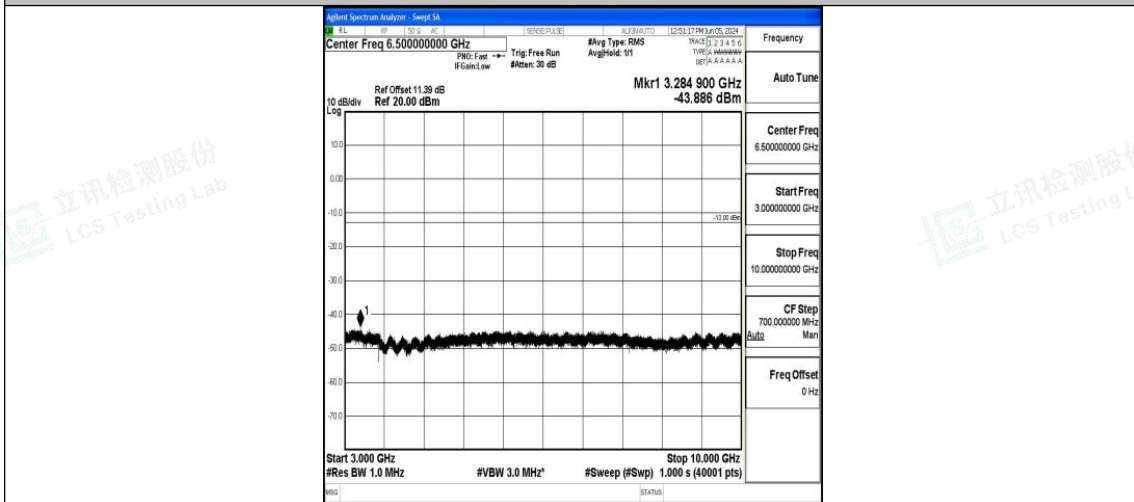




Band5_1.4MHz_16QAM_20525_1RB#0_30~1000_30~1000

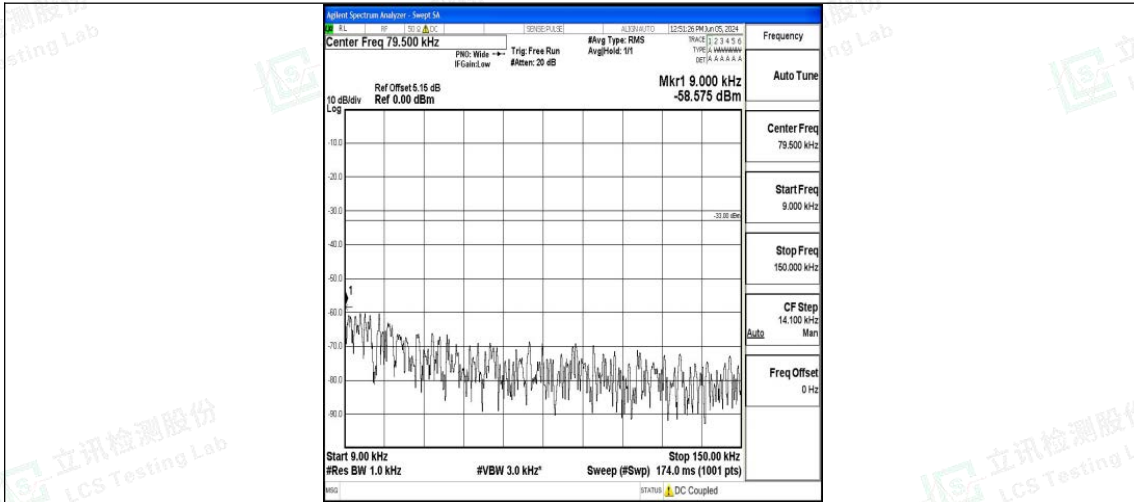


Band5_1.4MHz_16QAM_20525_1RB#0_1000~3000_1000~3000

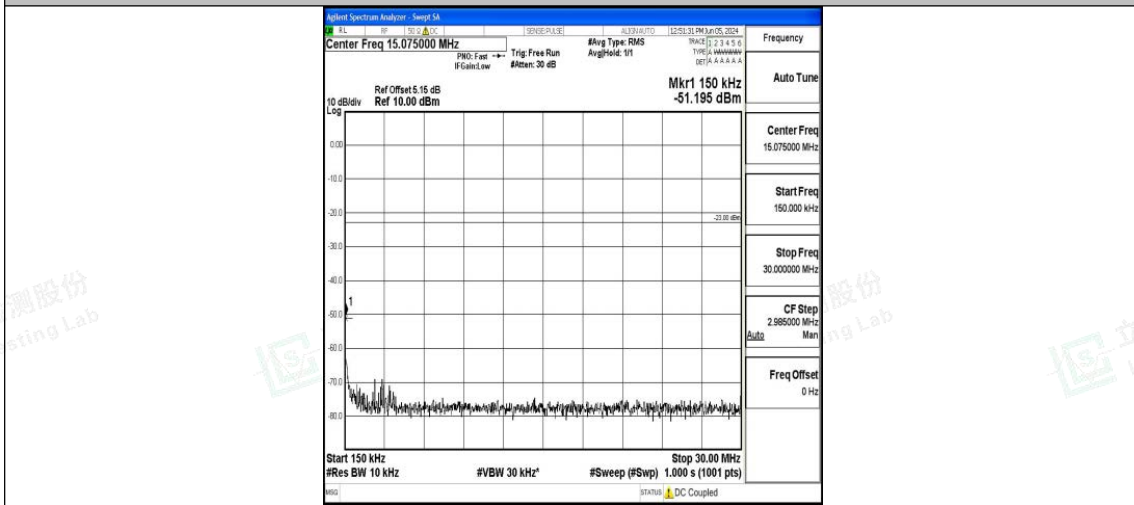


Band5_1.4MHz_16QAM_20525_1RB#0_3000~10000_3000~10000

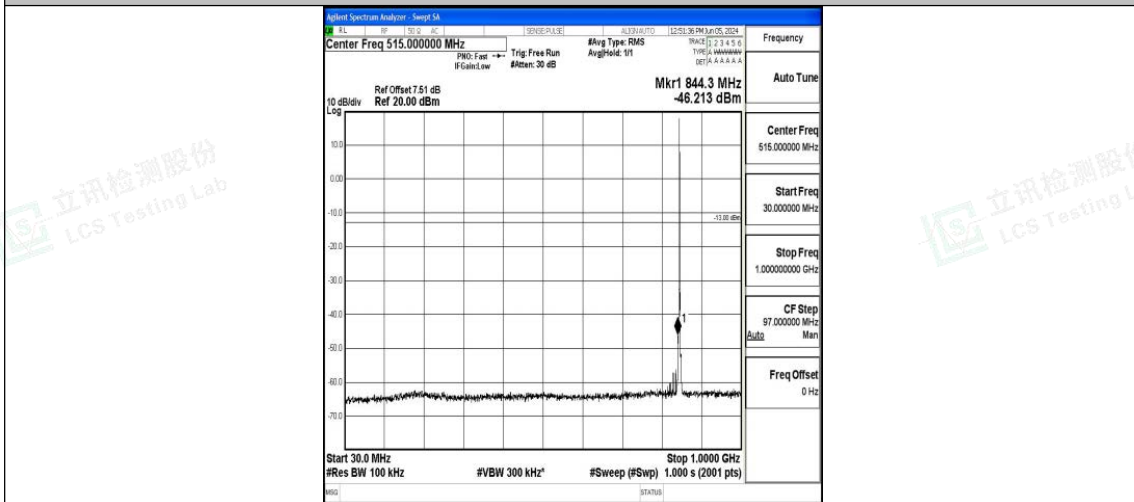




Band5_1.4MHz_QPSK_20643_1RB#0_0.009~0.15_0.009~0.15

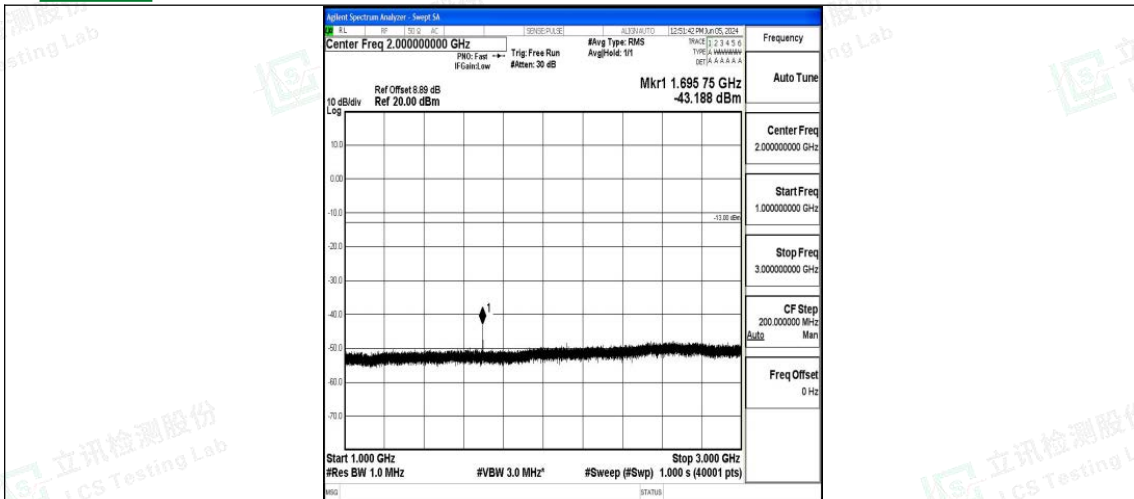


Band5_1.4MHz_QPSK_20643_1RB#0_0.15~30_0.15~30

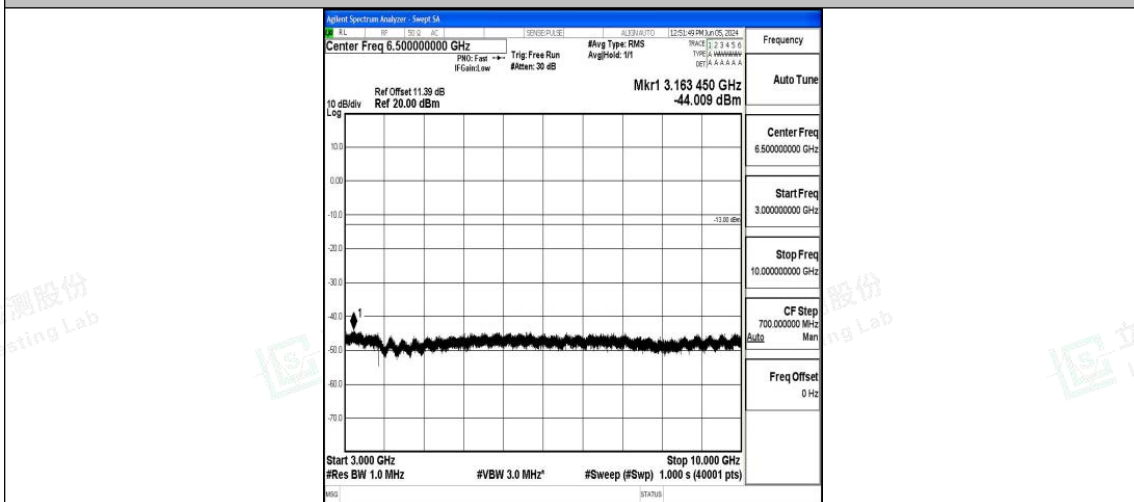


Band5_1.4MHz_QPSK_20643_1RB#0_30~1000_30~1000

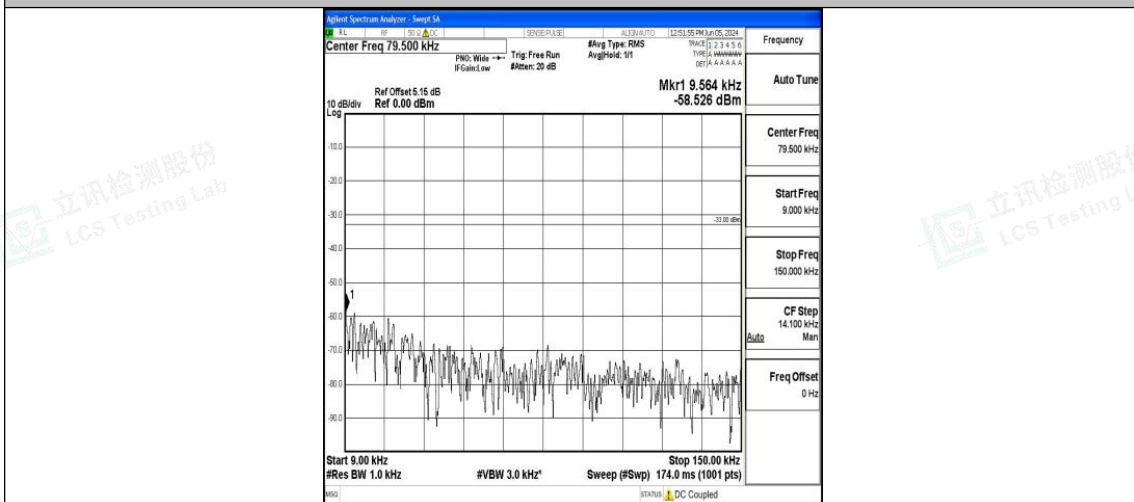




Band5_1.4MHz_QPSK_20643_1RB#0_1000~3000_1000~3000

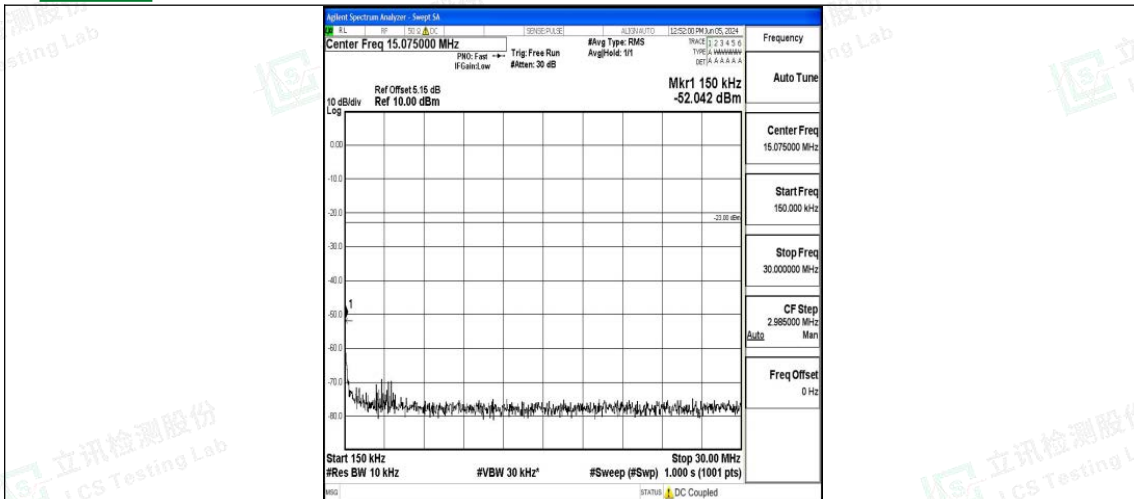


Band5_1.4MHz_QPSK_20643_1RB#0_3000~10000_3000~10000

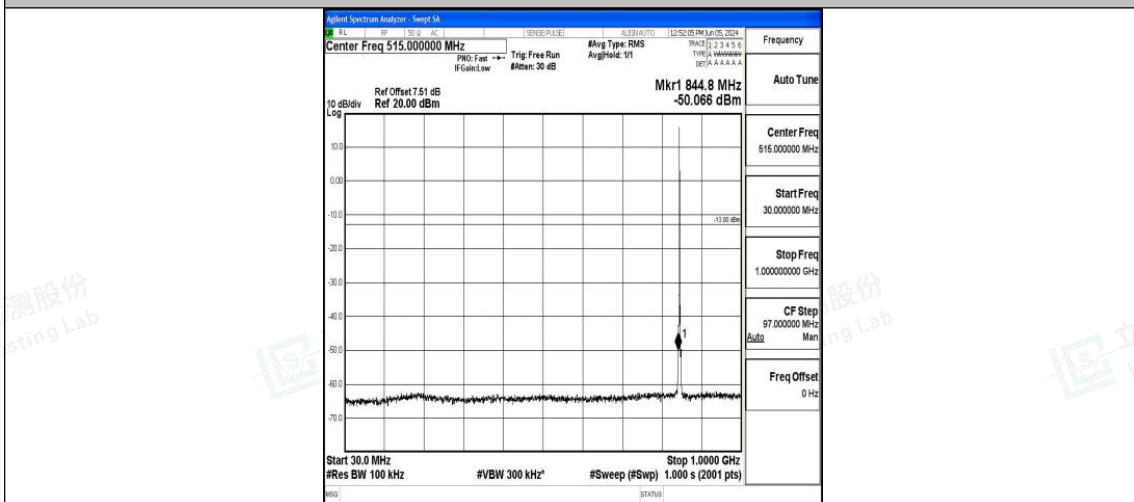


Band5_1.4MHz_16QAM_20643_1RB#0_0.009~0.15_0.009~0.15

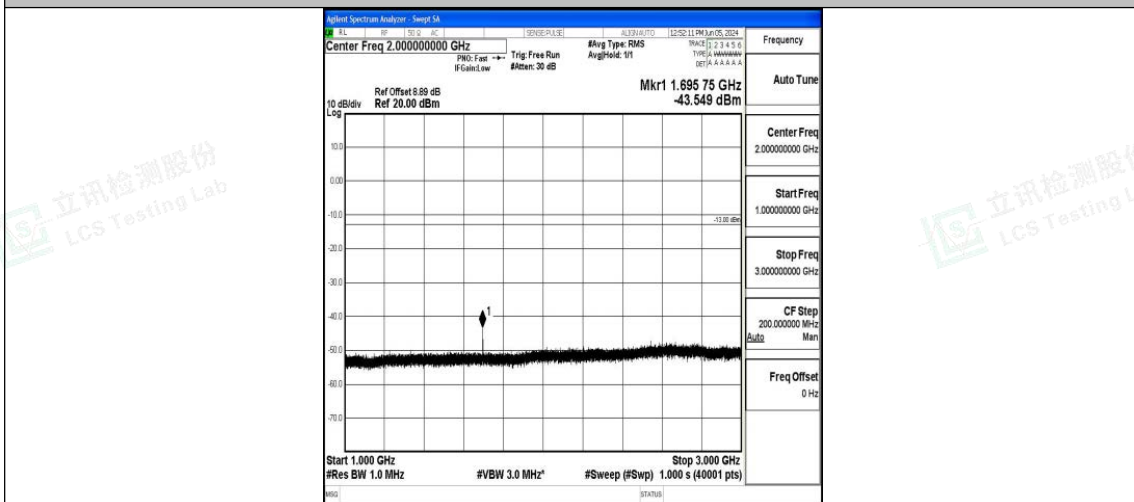




Band5_1.4MHz_16QAM_20643_1RB#0_0.15~30_0.15~30

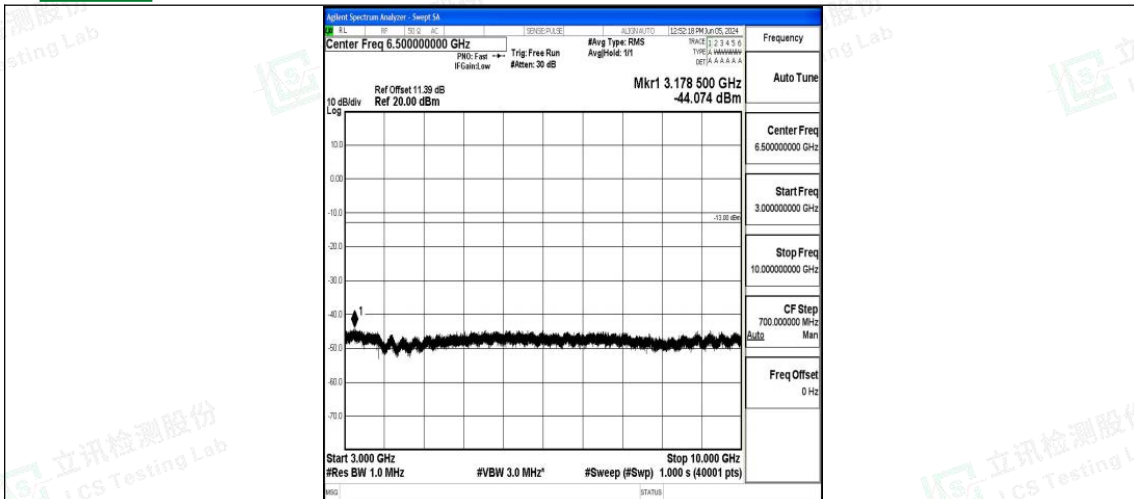


Band5_1.4MHz_16QAM_20643_1RB#0_30~1000_30~1000

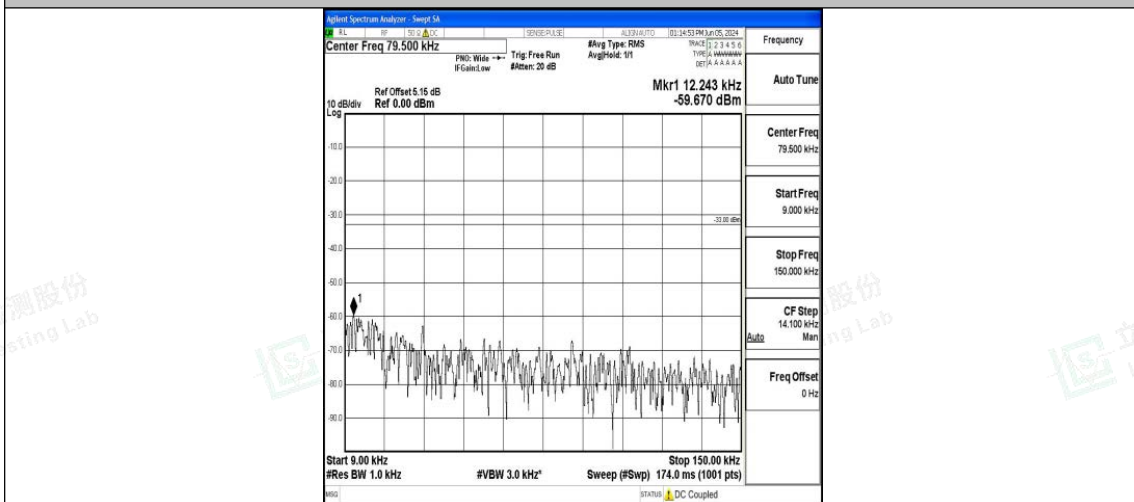


Band5_1.4MHz_16QAM_20643_1RB#0_1000~3000_1000~3000

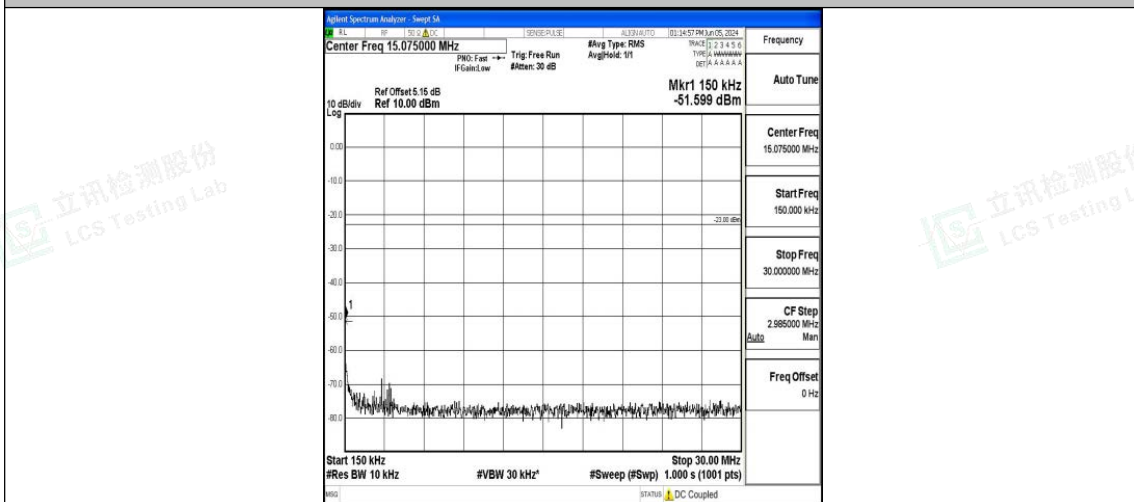




Band5_1.4MHz_16QAM_20643_1RB#0_3000~10000_3000~10000

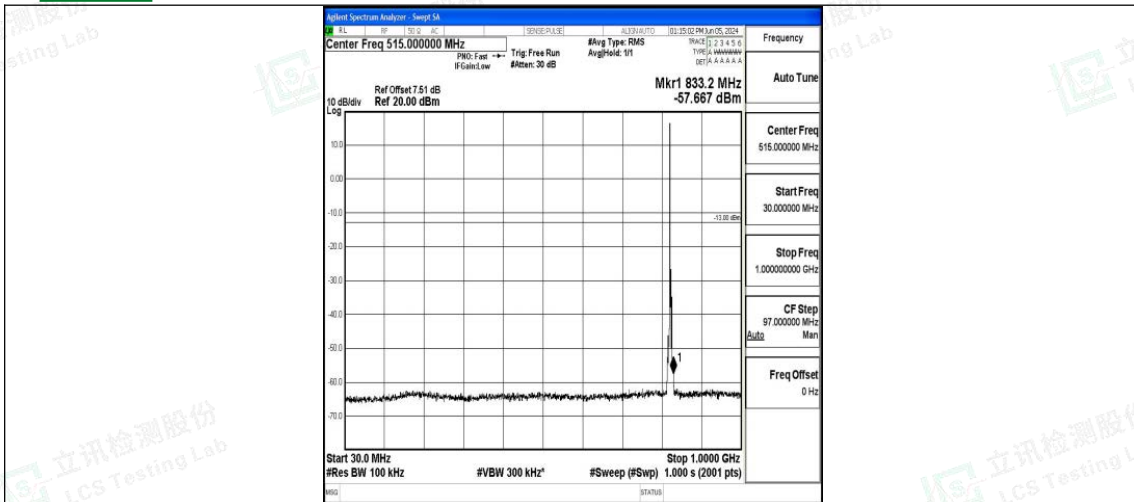


Band5_3MHz_QPSK_20415_1RB#0_0.009~0.15_0.009~0.15

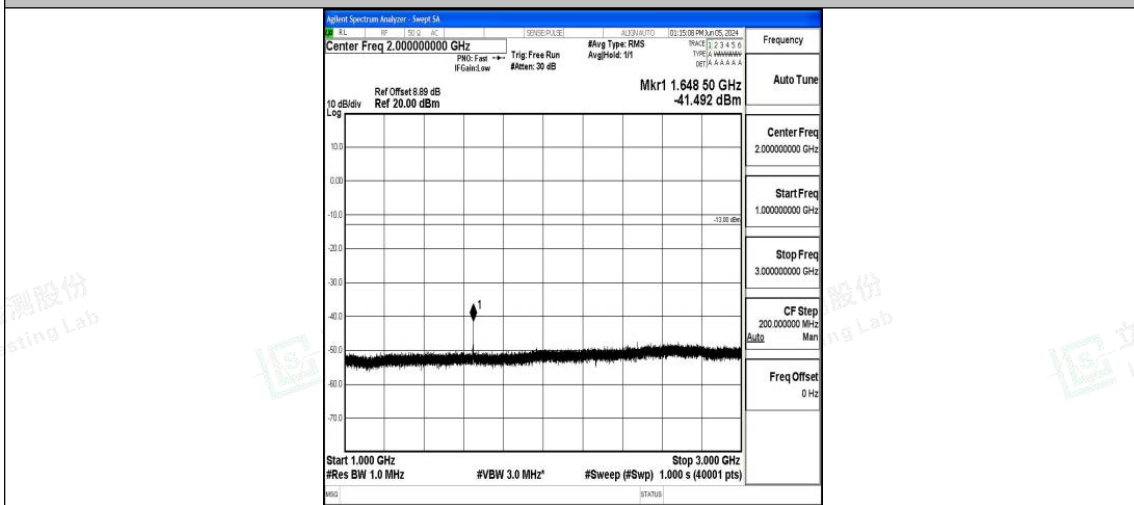


Band5_3MHz_QPSK_20415_1RB#0_0.15~30_0.15~30

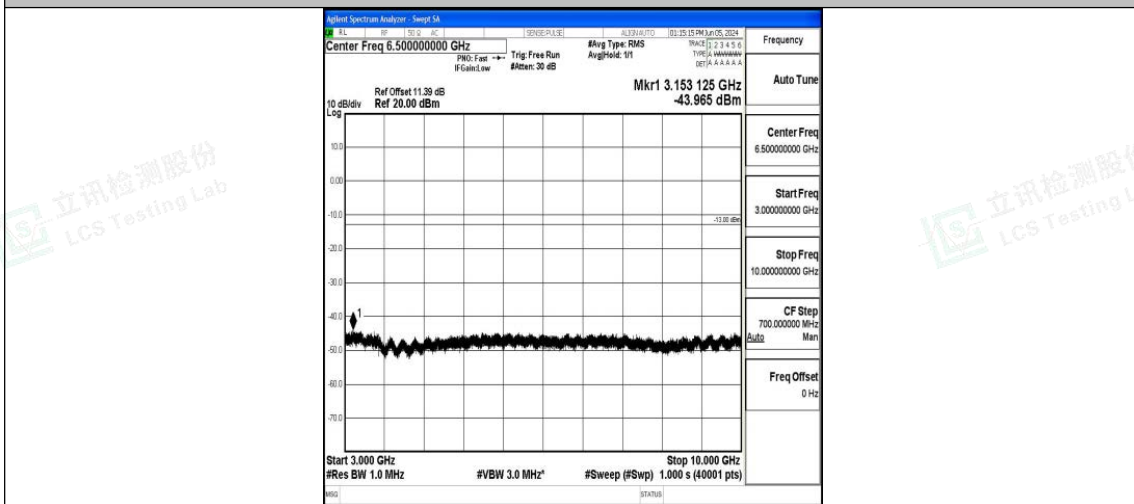




Band5_3MHz_QPSK_20415_1RB#0_30~1000_30~1000



Band5_3MHz_QPSK_20415_1RB#0_1000~3000_1000~3000



Band5_3MHz_QPSK_20415_1RB#0_3000~10000_3000~10000

