



Appendix D: Test Data for E-UTRA Band 2

Product Name: 4G FIXED WIRELESS PHONE
Test Model: LS830

Environmental Conditions

Temperature:	23.8° C
Relative Humidity:	52.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Ling Zhu
Supervised by:	Li Huan





D.1 Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band2	1.4MHz	QPSK	18607	1RB#0	22.46	PASS
Band2	1.4MHz	QPSK	18607	1RB#2	22.36	PASS
Band2	1.4MHz	QPSK	18607	1RB#5	22.54	PASS
Band2	1.4MHz	QPSK	18607	3RB#0	22.49	PASS
Band2	1.4MHz	QPSK	18607	3RB#1	22.61	PASS
Band2	1.4MHz	QPSK	18607	3RB#3	22.56	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	21.63	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	22.29	PASS
Band2	1.4MHz	QPSK	18900	1RB#2	22.32	PASS
Band2	1.4MHz	QPSK	18900	1RB#5	22.48	PASS
Band2	1.4MHz	QPSK	18900	3RB#0	22.41	PASS
Band2	1.4MHz	QPSK	18900	3RB#1	22.56	PASS
Band2	1.4MHz	QPSK	18900	3RB#3	22.39	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	21.45	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	22.61	PASS
Band2	1.4MHz	QPSK	19193	1RB#2	22.18	PASS
Band2	1.4MHz	QPSK	19193	1RB#5	22.14	PASS
Band2	1.4MHz	QPSK	19193	3RB#0	22.33	PASS
Band2	1.4MHz	QPSK	19193	3RB#1	22.28	PASS
Band2	1.4MHz	QPSK	19193	3RB#3	22.23	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	21.34	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	21.41	PASS
Band2	1.4MHz	16QAM	18607	1RB#2	21.85	PASS
Band2	1.4MHz	16QAM	18607	1RB#5	21.65	PASS
Band2	1.4MHz	16QAM	18607	3RB#0	21.33	PASS
Band2	1.4MHz	16QAM	18607	3RB#1	21.46	PASS
Band2	1.4MHz	16QAM	18607	3RB#3	21.35	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	20.56	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	21.40	PASS
Band2	1.4MHz	16QAM	18900	1RB#2	21.56	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



Band2	1.4MHz	16QAM	18900	1RB#5	21.57	PASS
Band2	1.4MHz	16QAM	18900	3RB#0	21.19	PASS
Band2	1.4MHz	16QAM	18900	3RB#1	21.35	PASS
Band2	1.4MHz	16QAM	18900	3RB#3	21.29	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	20.60	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	21.18	PASS
Band2	1.4MHz	16QAM	19193	1RB#2	21.14	PASS
Band2	1.4MHz	16QAM	19193	1RB#5	21.06	PASS
Band2	1.4MHz	16QAM	19193	3RB#0	21.18	PASS
Band2	1.4MHz	16QAM	19193	3RB#1	21.17	PASS
Band2	1.4MHz	16QAM	19193	3RB#3	21.37	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	20.36	PASS
Band2	3MHz	QPSK	18615	1RB#0	22.33	PASS
Band2	3MHz	QPSK	18615	1RB#8	22.58	PASS
Band2	3MHz	QPSK	18615	1RB#14	22.45	PASS
Band2	3MHz	QPSK	18615	8RB#0	21.45	PASS
Band2	3MHz	QPSK	18615	8RB#4	21.42	PASS
Band2	3MHz	QPSK	18615	8RB#7	21.46	PASS
Band2	3MHz	QPSK	18615	15RB#0	21.52	PASS
Band2	3MHz	QPSK	18900	1RB#0	22.29	PASS
Band2	3MHz	QPSK	18900	1RB#8	22.52	PASS
Band2	3MHz	QPSK	18900	1RB#14	22.31	PASS
Band2	3MHz	QPSK	18900	8RB#0	21.38	PASS
Band2	3MHz	QPSK	18900	8RB#4	21.44	PASS
Band2	3MHz	QPSK	18900	8RB#7	21.42	PASS
Band2	3MHz	QPSK	18900	15RB#0	21.46	PASS
Band2	3MHz	QPSK	19185	1RB#0	22.14	PASS
Band2	3MHz	QPSK	19185	1RB#8	22.28	PASS
Band2	3MHz	QPSK	19185	1RB#14	22.22	PASS
Band2	3MHz	QPSK	19185	8RB#0	21.48	PASS
Band2	3MHz	QPSK	19185	8RB#4	21.48	PASS
Band2	3MHz	QPSK	19185	8RB#7	21.43	PASS
Band2	3MHz	QPSK	19185	15RB#0	21.46	PASS
Band2	3MHz	16QAM	18615	1RB#0	21.63	PASS
Band2	3MHz	16QAM	18615	1RB#8	21.35	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



Band2	3MHz	16QAM	18615	1RB#14	21.57	PASS
Band2	3MHz	16QAM	18615	8RB#0	20.39	PASS
Band2	3MHz	16QAM	18615	8RB#4	20.65	PASS
Band2	3MHz	16QAM	18615	8RB#7	20.46	PASS
Band2	3MHz	16QAM	18615	15RB#0	20.42	PASS
Band2	3MHz	16QAM	18900	1RB#0	21.27	PASS
Band2	3MHz	16QAM	18900	1RB#8	21.25	PASS
Band2	3MHz	16QAM	18900	1RB#14	21.02	PASS
Band2	3MHz	16QAM	18900	8RB#0	20.35	PASS
Band2	3MHz	16QAM	18900	8RB#4	20.50	PASS
Band2	3MHz	16QAM	18900	8RB#7	20.50	PASS
Band2	3MHz	16QAM	18900	15RB#0	20.46	PASS
Band2	3MHz	16QAM	19185	1RB#0	21.40	PASS
Band2	3MHz	16QAM	19185	1RB#8	21.62	PASS
Band2	3MHz	16QAM	19185	1RB#14	21.47	PASS
Band2	3MHz	16QAM	19185	8RB#0	20.62	PASS
Band2	3MHz	16QAM	19185	8RB#4	20.44	PASS
Band2	3MHz	16QAM	19185	8RB#7	20.40	PASS
Band2	3MHz	16QAM	19185	15RB#0	20.38	PASS
Band2	5MHz	QPSK	18625	1RB#0	22.39	PASS
Band2	5MHz	QPSK	18625	1RB#12	22.65	PASS
Band2	5MHz	QPSK	18625	1RB#24	22.39	PASS
Band2	5MHz	QPSK	18625	12RB#0	21.41	PASS
Band2	5MHz	QPSK	18625	12RB#6	21.49	PASS
Band2	5MHz	QPSK	18625	12RB#13	21.54	PASS
Band2	5MHz	QPSK	18625	25RB#0	21.49	PASS
Band2	5MHz	QPSK	18900	1RB#0	22.44	PASS
Band2	5MHz	QPSK	18900	1RB#12	22.63	PASS
Band2	5MHz	QPSK	18900	1RB#24	22.80	PASS
Band2	5MHz	QPSK	18900	12RB#0	21.51	PASS
Band2	5MHz	QPSK	18900	12RB#6	21.58	PASS
Band2	5MHz	QPSK	18900	12RB#13	21.61	PASS
Band2	5MHz	QPSK	18900	25RB#0	21.54	PASS
Band2	5MHz	QPSK	19175	1RB#0	22.45	PASS
Band2	5MHz	QPSK	19175	1RB#12	22.31	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



Band2	5MHz	QPSK	19175	1RB#24	22.33	PASS
Band2	5MHz	QPSK	19175	12RB#0	21.29	PASS
Band2	5MHz	QPSK	19175	12RB#6	21.35	PASS
Band2	5MHz	QPSK	19175	12RB#13	21.43	PASS
Band2	5MHz	QPSK	19175	25RB#0	21.39	PASS
Band2	5MHz	16QAM	18625	1RB#0	21.43	PASS
Band2	5MHz	16QAM	18625	1RB#12	21.33	PASS
Band2	5MHz	16QAM	18625	1RB#24	21.35	PASS
Band2	5MHz	16QAM	18625	12RB#0	20.56	PASS
Band2	5MHz	16QAM	18625	12RB#6	20.61	PASS
Band2	5MHz	16QAM	18625	12RB#13	20.57	PASS
Band2	5MHz	16QAM	18625	25RB#0	20.55	PASS
Band2	5MHz	16QAM	18900	1RB#0	21.30	PASS
Band2	5MHz	16QAM	18900	1RB#12	21.46	PASS
Band2	5MHz	16QAM	18900	1RB#24	21.34	PASS
Band2	5MHz	16QAM	18900	12RB#0	20.59	PASS
Band2	5MHz	16QAM	18900	12RB#6	20.65	PASS
Band2	5MHz	16QAM	18900	12RB#13	20.58	PASS
Band2	5MHz	16QAM	18900	25RB#0	20.73	PASS
Band2	5MHz	16QAM	19175	1RB#0	21.37	PASS
Band2	5MHz	16QAM	19175	1RB#12	21.19	PASS
Band2	5MHz	16QAM	19175	1RB#24	21.20	PASS
Band2	5MHz	16QAM	19175	12RB#0	20.50	PASS
Band2	5MHz	16QAM	19175	12RB#6	20.49	PASS
Band2	5MHz	16QAM	19175	12RB#13	20.33	PASS
Band2	5MHz	16QAM	19175	25RB#0	20.47	PASS
Band2	10MHz	QPSK	18650	1RB#0	22.48	PASS
Band2	10MHz	QPSK	18650	1RB#24	22.52	PASS
Band2	10MHz	QPSK	18650	1RB#49	22.39	PASS
Band2	10MHz	QPSK	18650	25RB#0	21.60	PASS
Band2	10MHz	QPSK	18650	25RB#12	21.57	PASS
Band2	10MHz	QPSK	18650	25RB#25	21.69	PASS
Band2	10MHz	QPSK	18650	50RB#0	21.56	PASS
Band2	10MHz	QPSK	18900	1RB#0	22.06	PASS
Band2	10MHz	QPSK	18900	1RB#24	22.70	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



Band2	10MHz	QPSK	18900	1RB#49	22.38	PASS
Band2	10MHz	QPSK	18900	25RB#0	21.59	PASS
Band2	10MHz	QPSK	18900	25RB#12	21.61	PASS
Band2	10MHz	QPSK	18900	25RB#25	21.52	PASS
Band2	10MHz	QPSK	18900	50RB#0	21.59	PASS
Band2	10MHz	QPSK	19150	1RB#0	21.03	PASS
Band2	10MHz	QPSK	19150	1RB#24	22.65	PASS
Band2	10MHz	QPSK	19150	1RB#49	21.46	PASS
Band2	10MHz	QPSK	19150	25RB#0	21.74	PASS
Band2	10MHz	QPSK	19150	25RB#12	21.72	PASS
Band2	10MHz	QPSK	19150	25RB#25	21.79	PASS
Band2	10MHz	QPSK	19150	50RB#0	22.08	PASS
Band2	10MHz	16QAM	18650	1RB#0	21.41	PASS
Band2	10MHz	16QAM	18650	1RB#24	21.69	PASS
Band2	10MHz	16QAM	18650	1RB#49	21.54	PASS
Band2	10MHz	16QAM	18650	25RB#0	20.63	PASS
Band2	10MHz	16QAM	18650	25RB#12	20.69	PASS
Band2	10MHz	16QAM	18650	25RB#25	20.72	PASS
Band2	10MHz	16QAM	18650	50RB#0	20.61	PASS
Band2	10MHz	16QAM	18900	1RB#0	21.15	PASS
Band2	10MHz	16QAM	18900	1RB#24	21.81	PASS
Band2	10MHz	16QAM	18900	1RB#49	21.48	PASS
Band2	10MHz	16QAM	18900	25RB#0	20.69	PASS
Band2	10MHz	16QAM	18900	25RB#12	20.76	PASS
Band2	10MHz	16QAM	18900	25RB#25	20.58	PASS
Band2	10MHz	16QAM	18900	50RB#0	20.77	PASS
Band2	10MHz	16QAM	19150	1RB#0	20.01	PASS
Band2	10MHz	16QAM	19150	1RB#24	21.62	PASS
Band2	10MHz	16QAM	19150	1RB#49	20.43	PASS
Band2	10MHz	16QAM	19150	25RB#0	20.85	PASS
Band2	10MHz	16QAM	19150	25RB#12	20.63	PASS
Band2	10MHz	16QAM	19150	25RB#25	20.84	PASS
Band2	10MHz	16QAM	19150	50RB#0	21.16	PASS
Band2	15MHz	QPSK	18675	1RB#0	22.39	PASS
Band2	15MHz	QPSK	18675	1RB#38	22.72	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



Band2	15MHz	QPSK	18675	1RB#74	21.95	PASS
Band2	15MHz	QPSK	18675	38RB#0	21.56	PASS
Band2	15MHz	QPSK	18675	38RB#18	21.48	PASS
Band2	15MHz	QPSK	18675	38RB#37	21.51	PASS
Band2	15MHz	QPSK	18675	75RB#0	21.68	PASS
Band2	15MHz	QPSK	18900	1RB#0	22.10	PASS
Band2	15MHz	QPSK	18900	1RB#38	22.41	PASS
Band2	15MHz	QPSK	18900	1RB#74	22.32	PASS
Band2	15MHz	QPSK	18900	38RB#0	21.16	PASS
Band2	15MHz	QPSK	18900	38RB#18	21.98	PASS
Band2	15MHz	QPSK	18900	38RB#37	21.35	PASS
Band2	15MHz	QPSK	18900	75RB#0	21.54	PASS
Band2	15MHz	QPSK	19125	1RB#0	21.94	PASS
Band2	15MHz	QPSK	19125	1RB#38	22.21	PASS
Band2	15MHz	QPSK	19125	1RB#74	22.06	PASS
Band2	15MHz	QPSK	19125	38RB#0	20.97	PASS
Band2	15MHz	QPSK	19125	38RB#18	21.42	PASS
Band2	15MHz	QPSK	19125	38RB#37	21.32	PASS
Band2	15MHz	QPSK	19125	75RB#0	21.38	PASS
Band2	15MHz	16QAM	18675	1RB#0	21.53	PASS
Band2	15MHz	16QAM	18675	1RB#38	22.16	PASS
Band2	15MHz	16QAM	18675	1RB#74	21.16	PASS
Band2	15MHz	16QAM	18675	38RB#0	21.41	PASS
Band2	15MHz	16QAM	18675	38RB#18	21.74	PASS
Band2	15MHz	16QAM	18675	38RB#37	21.52	PASS
Band2	15MHz	16QAM	18675	75RB#0	20.61	PASS
Band2	15MHz	16QAM	18900	1RB#0	21.28	PASS
Band2	15MHz	16QAM	18900	1RB#38	21.52	PASS
Band2	15MHz	16QAM	18900	1RB#74	21.47	PASS
Band2	15MHz	16QAM	18900	38RB#0	21.17	PASS
Band2	15MHz	16QAM	18900	38RB#18	21.42	PASS
Band2	15MHz	16QAM	18900	38RB#37	21.38	PASS
Band2	15MHz	16QAM	18900	75RB#0	20.58	PASS
Band2	15MHz	16QAM	19125	1RB#0	21.14	PASS
Band2	15MHz	16QAM	19125	1RB#38	21.11	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



Band2	15MHz	16QAM	19125	1RB#74	21.31	PASS
Band2	15MHz	16QAM	19125	38RB#0	21.01	PASS
Band2	15MHz	16QAM	19125	38RB#18	21.44	PASS
Band2	15MHz	16QAM	19125	38RB#37	21.39	PASS
Band2	15MHz	16QAM	19125	75RB#0	20.53	PASS
Band2	20MHz	QPSK	18700	1RB#0	22.49	PASS
Band2	20MHz	QPSK	18700	1RB#49	23.04	PASS
Band2	20MHz	QPSK	18700	1RB#99	21.60	PASS
Band2	20MHz	QPSK	18700	50RB#0	21.69	PASS
Band2	20MHz	QPSK	18700	50RB#25	21.67	PASS
Band2	20MHz	QPSK	18700	50RB#50	21.54	PASS
Band2	20MHz	QPSK	18700	100RB#0	21.52	PASS
Band2	20MHz	QPSK	18900	1RB#0	21.46	PASS
Band2	20MHz	QPSK	18900	1RB#49	22.95	PASS
Band2	20MHz	QPSK	18900	1RB#99	22.37	PASS
Band2	20MHz	QPSK	18900	50RB#0	21.42	PASS
Band2	20MHz	QPSK	18900	50RB#25	21.40	PASS
Band2	20MHz	QPSK	18900	50RB#50	21.53	PASS
Band2	20MHz	QPSK	18900	100RB#0	21.62	PASS
Band2	20MHz	QPSK	19100	1RB#0	22.35	PASS
Band2	20MHz	QPSK	19100	1RB#49	22.03	PASS
Band2	20MHz	QPSK	19100	1RB#99	21.93	PASS
Band2	20MHz	QPSK	19100	50RB#0	21.39	PASS
Band2	20MHz	QPSK	19100	50RB#25	21.36	PASS
Band2	20MHz	QPSK	19100	50RB#50	21.27	PASS
Band2	20MHz	QPSK	19100	100RB#0	21.39	PASS
Band2	20MHz	16QAM	18700	1RB#0	21.37	PASS
Band2	20MHz	16QAM	18700	1RB#49	21.45	PASS
Band2	20MHz	16QAM	18700	1RB#99	20.53	PASS
Band2	20MHz	16QAM	18700	50RB#0	20.76	PASS
Band2	20MHz	16QAM	18700	50RB#25	20.82	PASS
Band2	20MHz	16QAM	18700	50RB#50	20.69	PASS
Band2	20MHz	16QAM	18700	100RB#0	20.65	PASS
Band2	20MHz	16QAM	18900	1RB#0	20.73	PASS
Band2	20MHz	16QAM	18900	1RB#49	23.09	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



Band2	20MHz	16QAM	18900	1RB#99	21.81	PASS
Band2	20MHz	16QAM	18900	50RB#0	20.54	PASS
Band2	20MHz	16QAM	18900	50RB#25	20.51	PASS
Band2	20MHz	16QAM	18900	50RB#50	20.56	PASS
Band2	20MHz	16QAM	18900	100RB#0	20.55	PASS
Band2	20MHz	16QAM	19100	1RB#0	21.23	PASS
Band2	20MHz	16QAM	19100	1RB#49	21.02	PASS
Band2	20MHz	16QAM	19100	1RB#99	20.93	PASS
Band2	20MHz	16QAM	19100	50RB#0	20.57	PASS
Band2	20MHz	16QAM	19100	50RB#25	20.56	PASS
Band2	20MHz	16QAM	19100	50RB#50	20.54	PASS
Band2	20MHz	16QAM	19100	100RB#0	20.51	PASS





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

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band2	1.4MHz	QPSK	18607	1RB#0	4.43	13	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	4.95	13	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	4.62	13	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	5.17	13	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	4.36	13	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	4.98	13	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	5.46	13	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	5.79	13	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	5.67	13	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	5.89	13	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	5.29	13	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	5.78	13	PASS
Band2	3MHz	QPSK	18615	1RB#0	4.36	13	PASS
Band2	3MHz	QPSK	18615	15RB#0	5.09	13	PASS
Band2	3MHz	QPSK	18900	1RB#0	4.73	13	PASS
Band2	3MHz	QPSK	18900	15RB#0	5.28	13	PASS
Band2	3MHz	QPSK	19185	1RB#0	4.66	13	PASS
Band2	3MHz	QPSK	19185	15RB#0	5.14	13	PASS
Band2	3MHz	16QAM	18615	1RB#0	5.50	13	PASS
Band2	3MHz	16QAM	18615	15RB#0	5.94	13	PASS
Band2	3MHz	16QAM	18900	1RB#0	5.77	13	PASS
Band2	3MHz	16QAM	18900	15RB#0	6.14	13	PASS
Band2	3MHz	16QAM	19185	1RB#0	5.56	13	PASS
Band2	3MHz	16QAM	19185	15RB#0	5.97	13	PASS
Band2	5MHz	QPSK	18625	1RB#0	4.50	13	PASS
Band2	5MHz	QPSK	18625	25RB#0	5.08	13	PASS
Band2	5MHz	QPSK	18900	1RB#0	4.91	13	PASS
Band2	5MHz	QPSK	18900	25RB#0	5.18	13	PASS
Band2	5MHz	QPSK	19175	1RB#0	4.58	13	PASS
Band2	5MHz	QPSK	19175	25RB#0	5.05	13	PASS
Band2	5MHz	16QAM	18625	1RB#0	5.33	13	PASS
Band2	5MHz	16QAM	18625	25RB#0	5.88	13	PASS
Band2	5MHz	16QAM	18900	1RB#0	5.55	13	PASS
Band2	5MHz	16QAM	18900	25RB#0	5.95	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



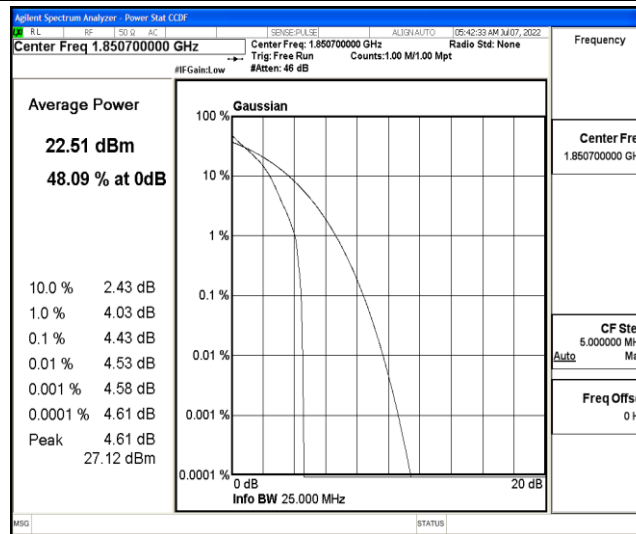
Band2	5MHz	16QAM	19175	1RB#0	5.46	13	PASS
Band2	5MHz	16QAM	19175	25RB#0	5.82	13	PASS
Band2	10MHz	QPSK	18650	1RB#0	4.33	13	PASS
Band2	10MHz	QPSK	18650	50RB#0	5.11	13	PASS
Band2	10MHz	QPSK	18900	1RB#0	5.01	13	PASS
Band2	10MHz	QPSK	18900	50RB#0	5.10	13	PASS
Band2	10MHz	QPSK	19150	1RB#0	5.20	13	PASS
Band2	10MHz	QPSK	19150	50RB#0	5.08	13	PASS
Band2	10MHz	16QAM	18650	1RB#0	5.23	13	PASS
Band2	10MHz	16QAM	18650	50RB#0	5.94	13	PASS
Band2	10MHz	16QAM	18900	1RB#0	5.88	13	PASS
Band2	10MHz	16QAM	18900	50RB#0	5.91	13	PASS
Band2	10MHz	16QAM	19150	1RB#0	6.23	13	PASS
Band2	10MHz	16QAM	19150	50RB#0	5.93	13	PASS
Band2	15MHz	QPSK	18675	1RB#0	4.37	13	PASS
Band2	15MHz	QPSK	18675	75RB#0	5.33	13	PASS
Band2	15MHz	QPSK	18900	1RB#0	5.11	13	PASS
Band2	15MHz	QPSK	18900	75RB#0	5.23	13	PASS
Band2	15MHz	QPSK	19125	1RB#0	4.96	13	PASS
Band2	15MHz	QPSK	19125	75RB#0	5.41	13	PASS
Band2	15MHz	16QAM	18675	1RB#0	5.37	13	PASS
Band2	15MHz	16QAM	18675	75RB#0	6.02	13	PASS
Band2	15MHz	16QAM	18900	1RB#0	5.74	13	PASS
Band2	15MHz	16QAM	18900	75RB#0	5.97	13	PASS
Band2	15MHz	16QAM	19125	1RB#0	6.08	13	PASS
Band2	15MHz	16QAM	19125	75RB#0	6.12	13	PASS
Band2	20MHz	QPSK	18700	1RB#0	4.41	13	PASS
Band2	20MHz	QPSK	18700	100RB#0	5.17	13	PASS
Band2	20MHz	QPSK	18900	1RB#0	4.96	13	PASS
Band2	20MHz	QPSK	18900	100RB#0	5.04	13	PASS
Band2	20MHz	QPSK	19100	1RB#0	4.54	13	PASS
Band2	20MHz	QPSK	19100	100RB#0	5.43	13	PASS
Band2	20MHz	16QAM	18700	1RB#0	5.26	13	PASS
Band2	20MHz	16QAM	18700	100RB#0	6.00	13	PASS
Band2	20MHz	16QAM	18900	1RB#0	5.95	13	PASS
Band2	20MHz	16QAM	18900	100RB#0	5.92	13	PASS
Band2	20MHz	16QAM	19100	1RB#0	6.00	13	PASS
Band2	20MHz	16QAM	19100	100RB#0	6.16	13	PASS



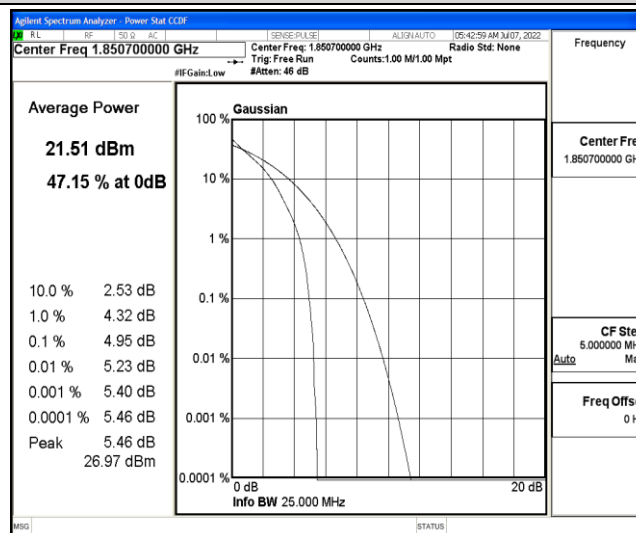


Test Graphs

Band2-1.4MHz-QPSK-18607-1RB#0

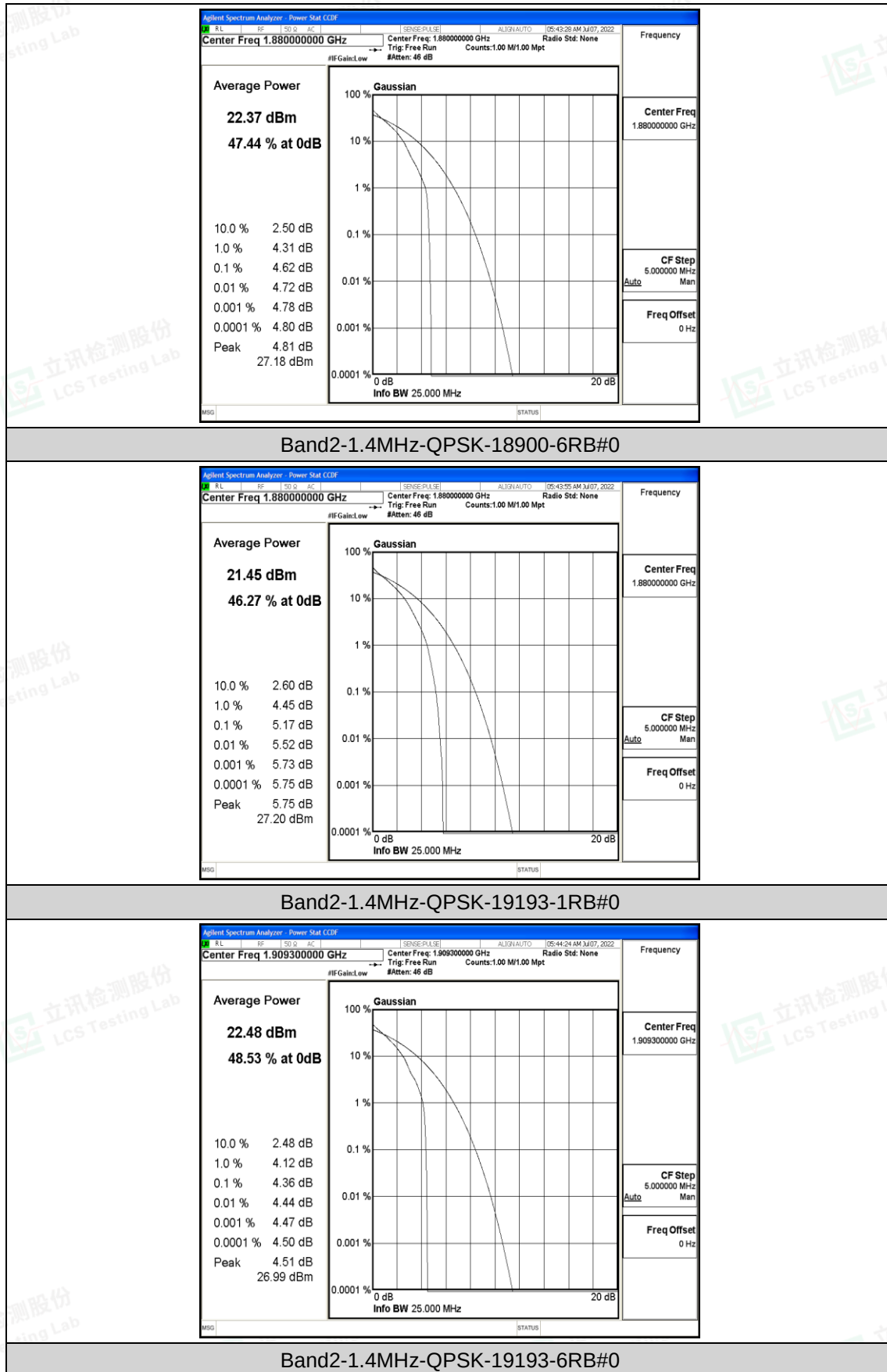


Band2-1.4MHz-QPSK-18607-6RB#0



Band2-1.4MHz-QPSK-18900-1RB#0



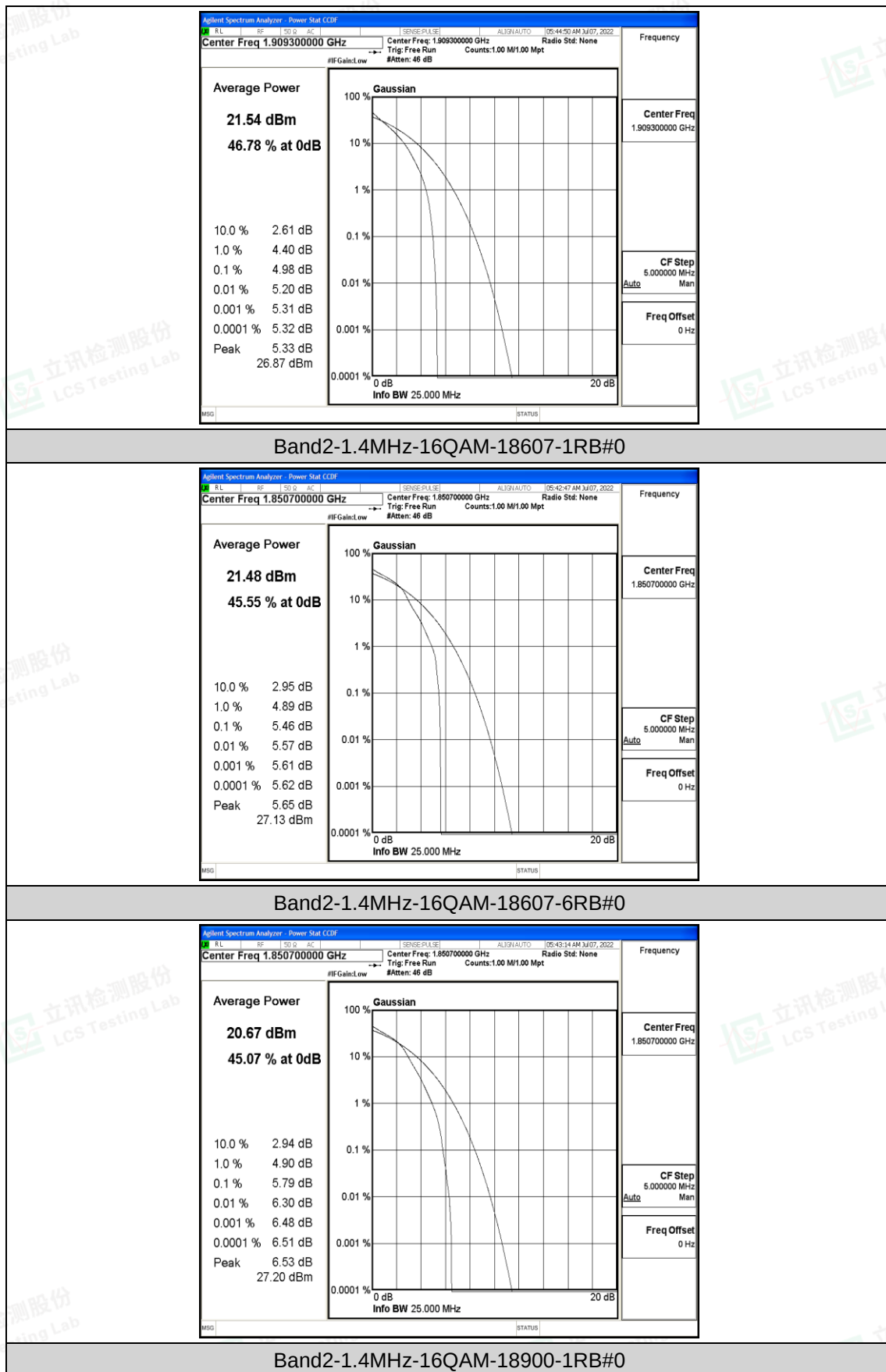


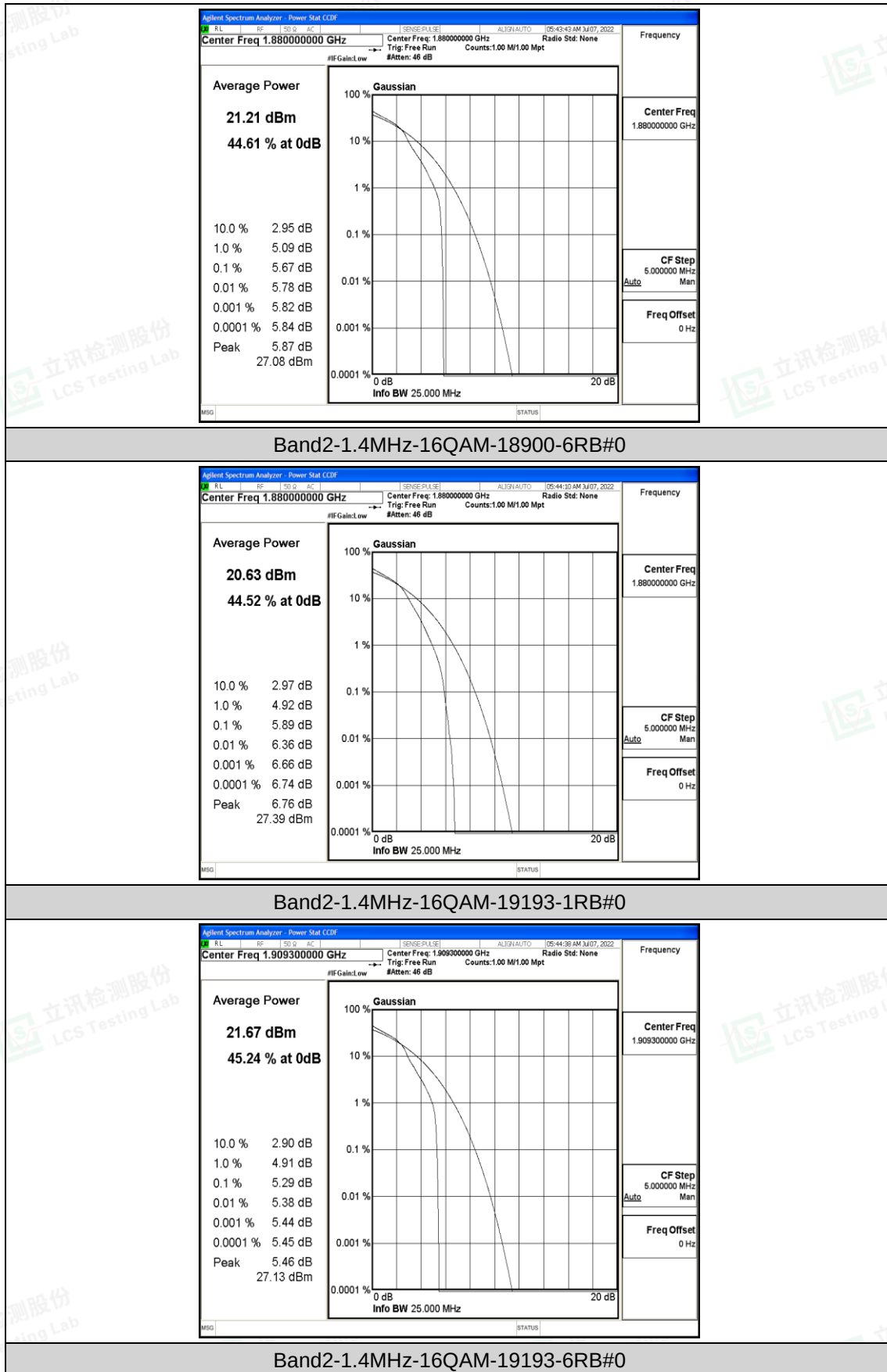
Shenzhen LCS Compliance Testing Laboratory Ltd.

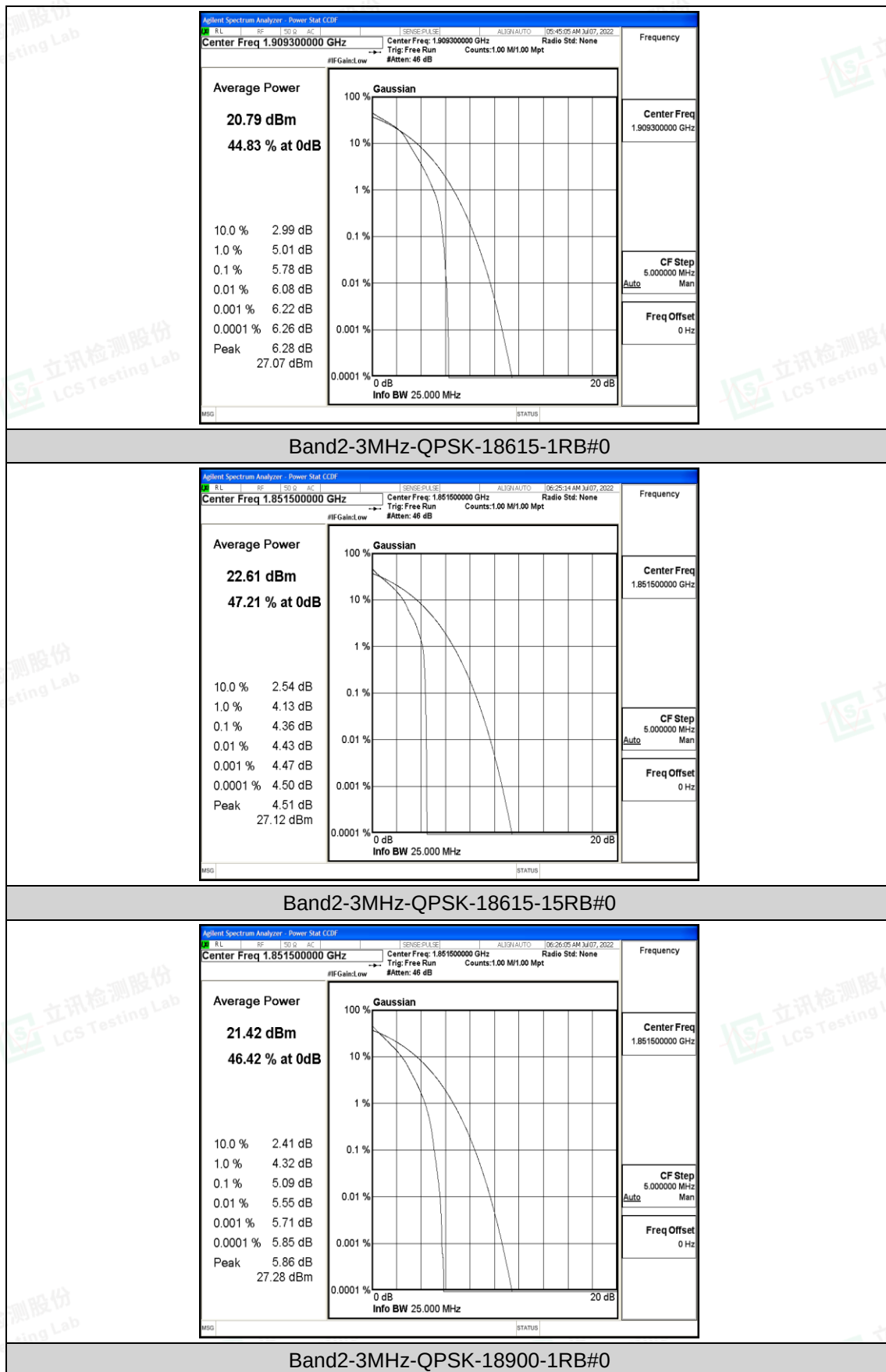
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

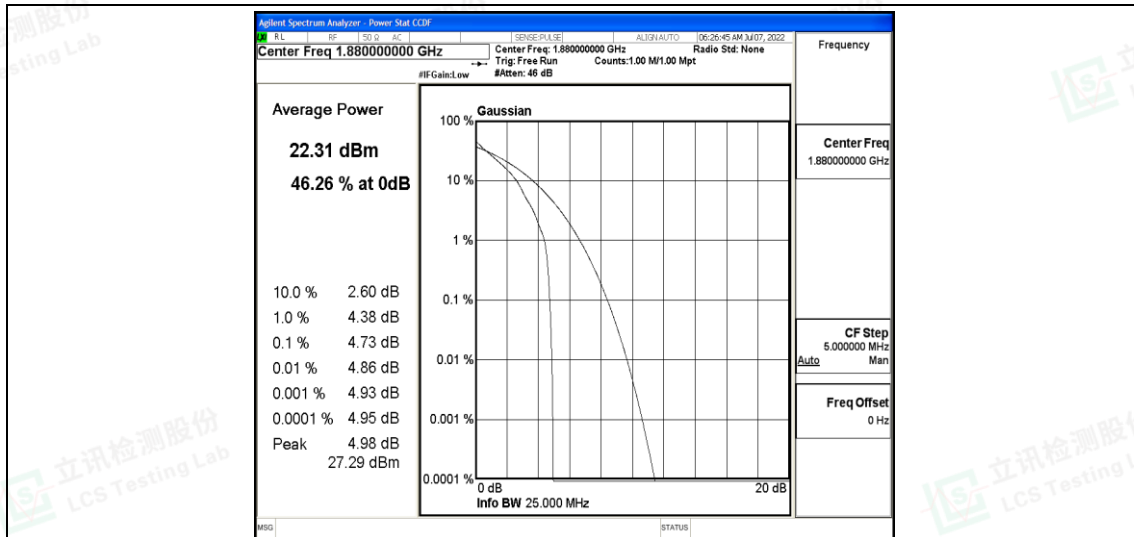
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

Scan code to check authenticity

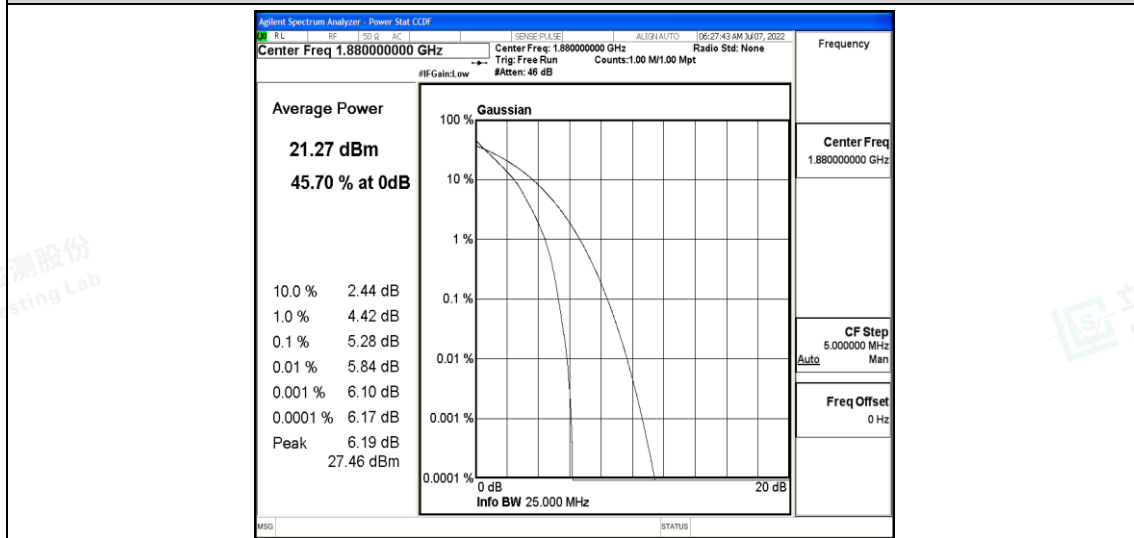




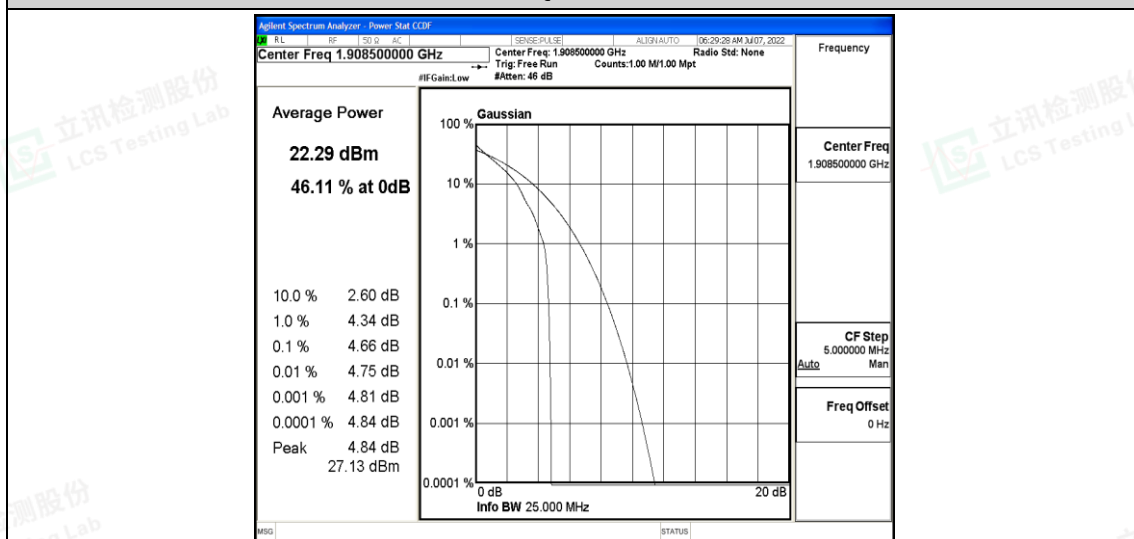




Band2-3MHz-QPSK-18900-15RB#0



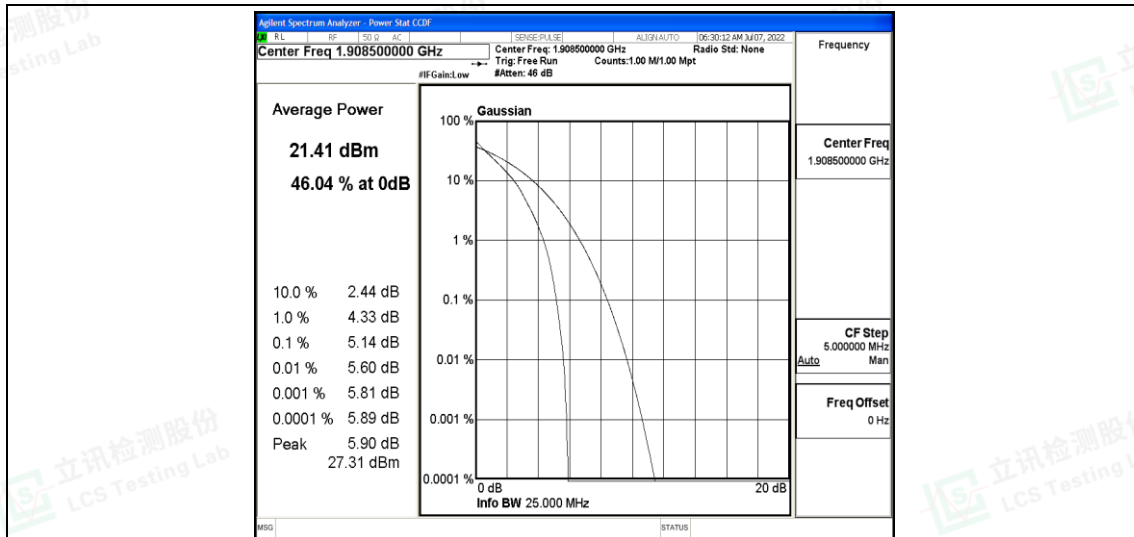
Band2-3MHz-QPSK-19185-1RB#0



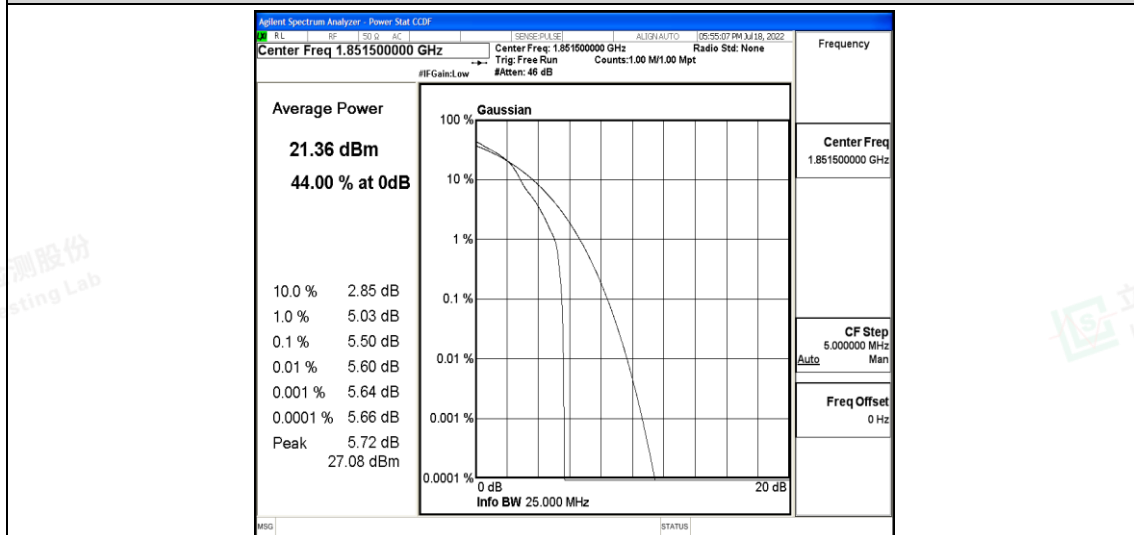
Band2-3MHz-QPSK-19185-15RB#0



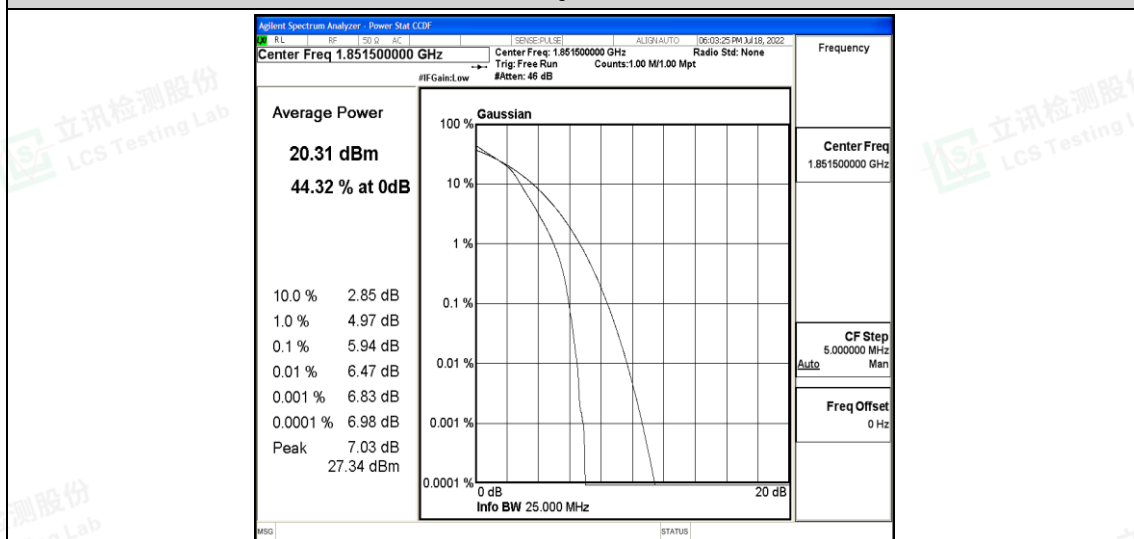
Shenzhen LCS Compliance Testing Laboratory Ltd.
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com
Scan code to check authenticity



Band2-3MHz-16QAM-18615-1RB#0

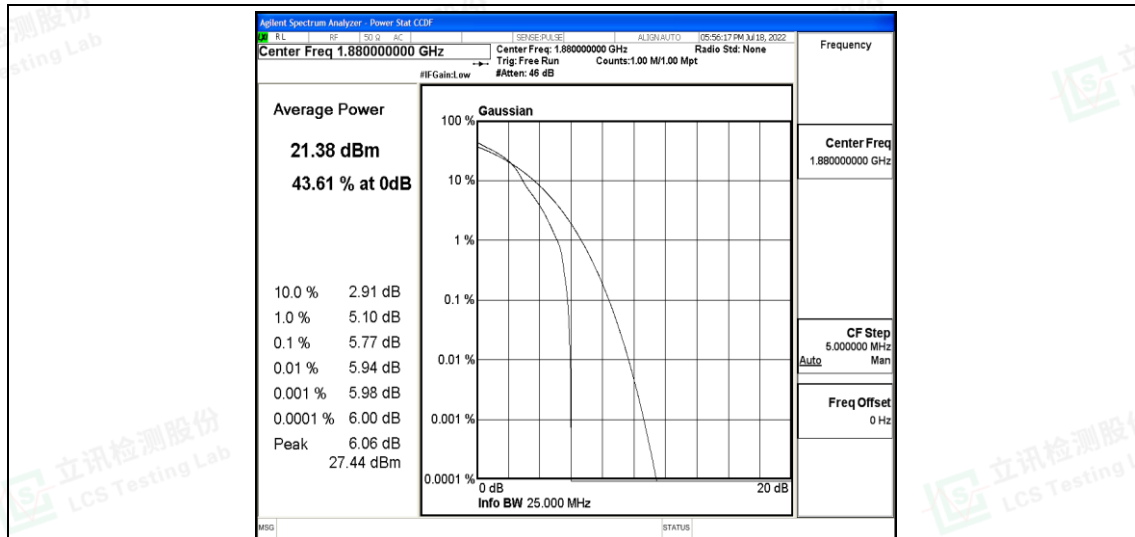


Band2-3MHz-16QAM-18615-15RB#0

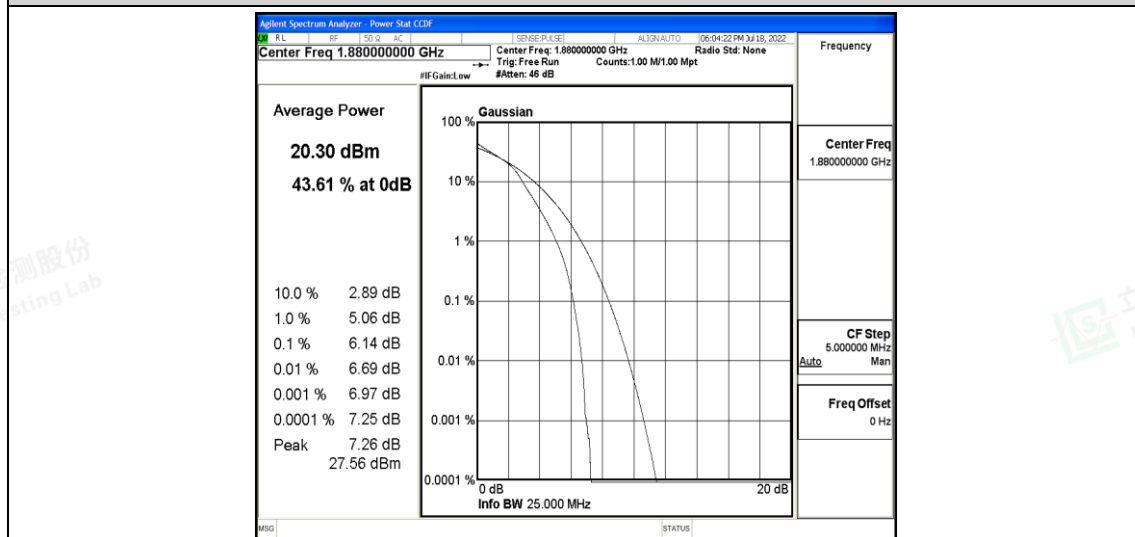


Band2-3MHz-16QAM-18900-1RB#0

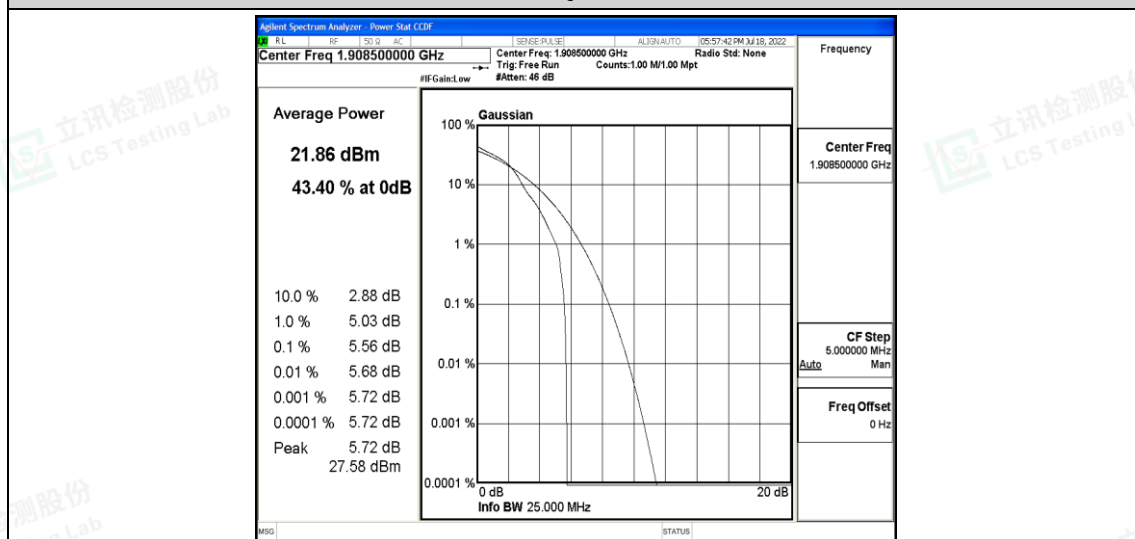




Band2-3MHz-16QAM-18900-15RB#0

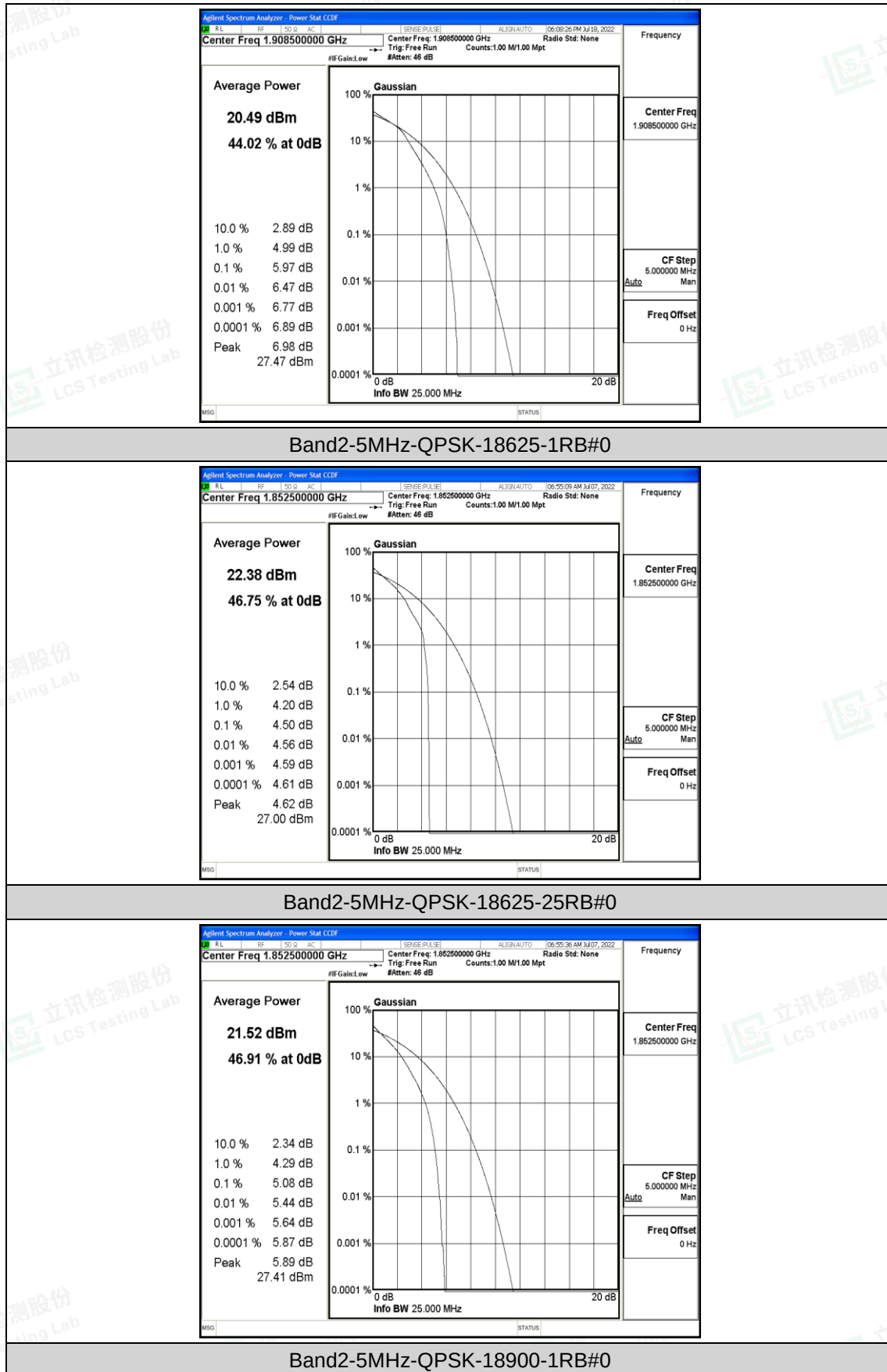


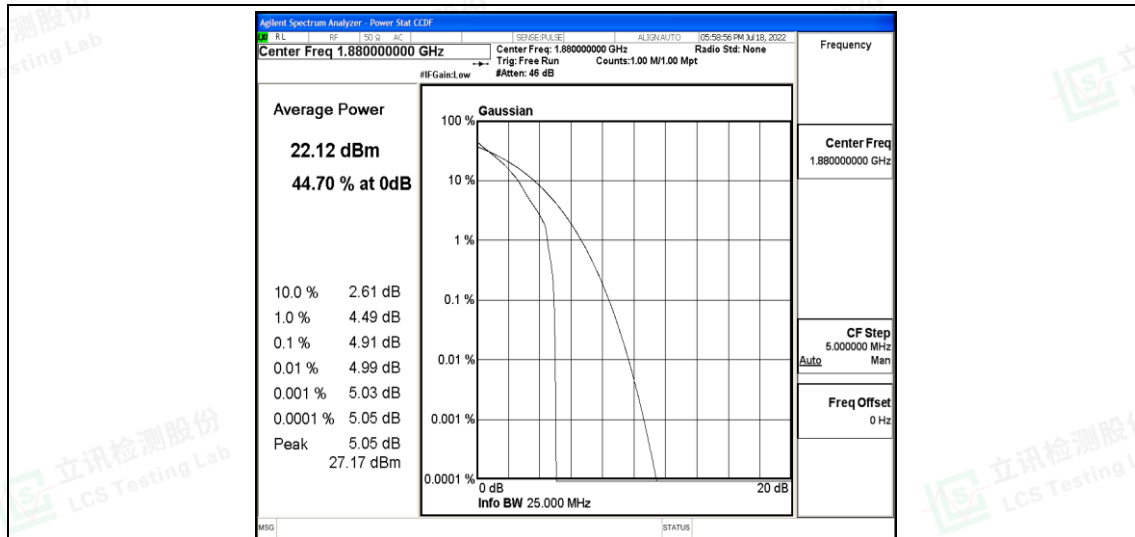
Band2-3MHz-16QAM-19185-1RB#0



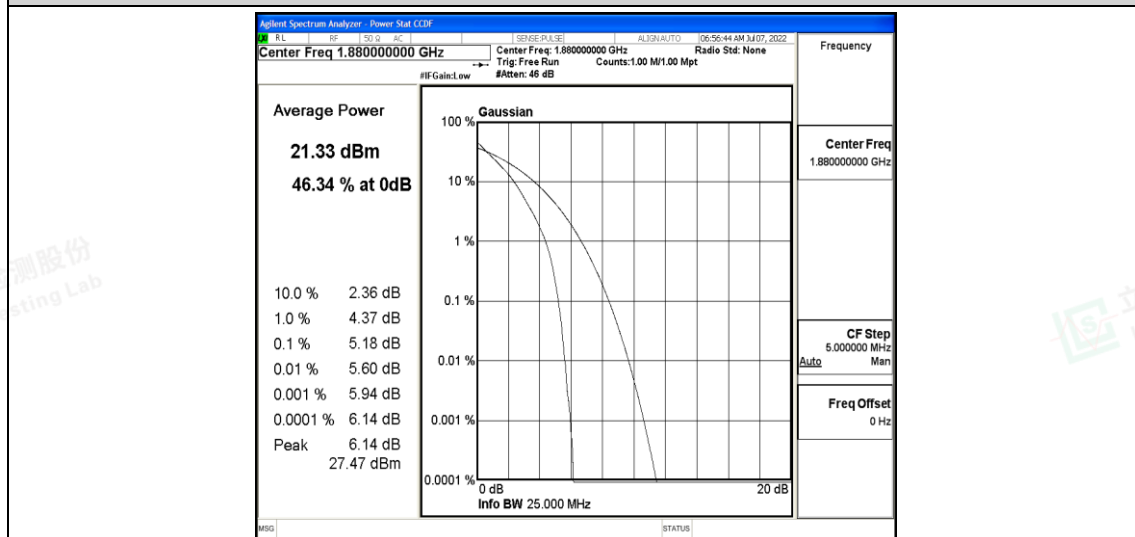
Band2-3MHz-16QAM-19185-15RB#0



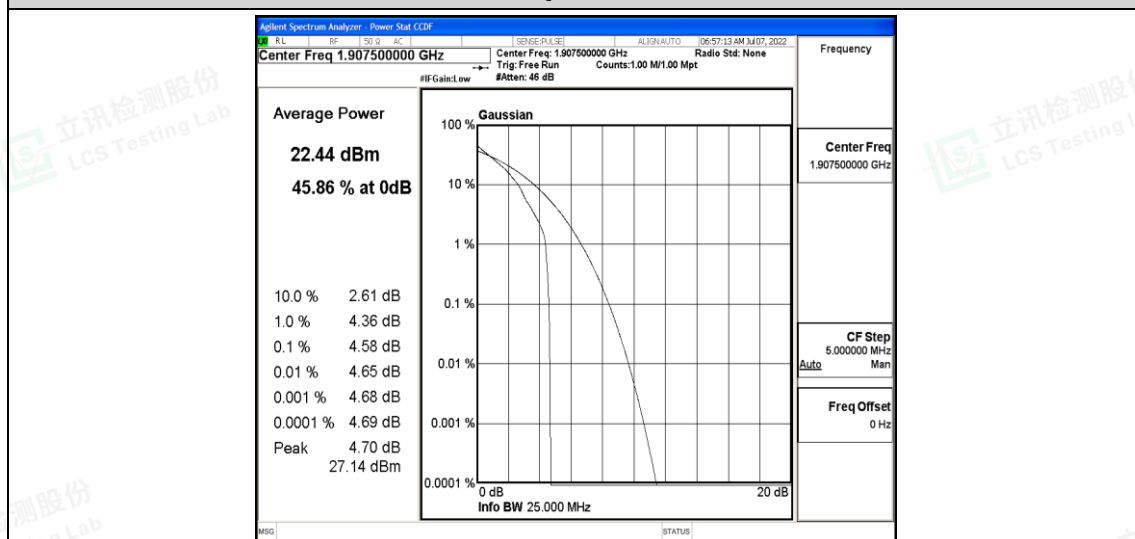




Band2-5MHz-QPSK-18900-25RB#0

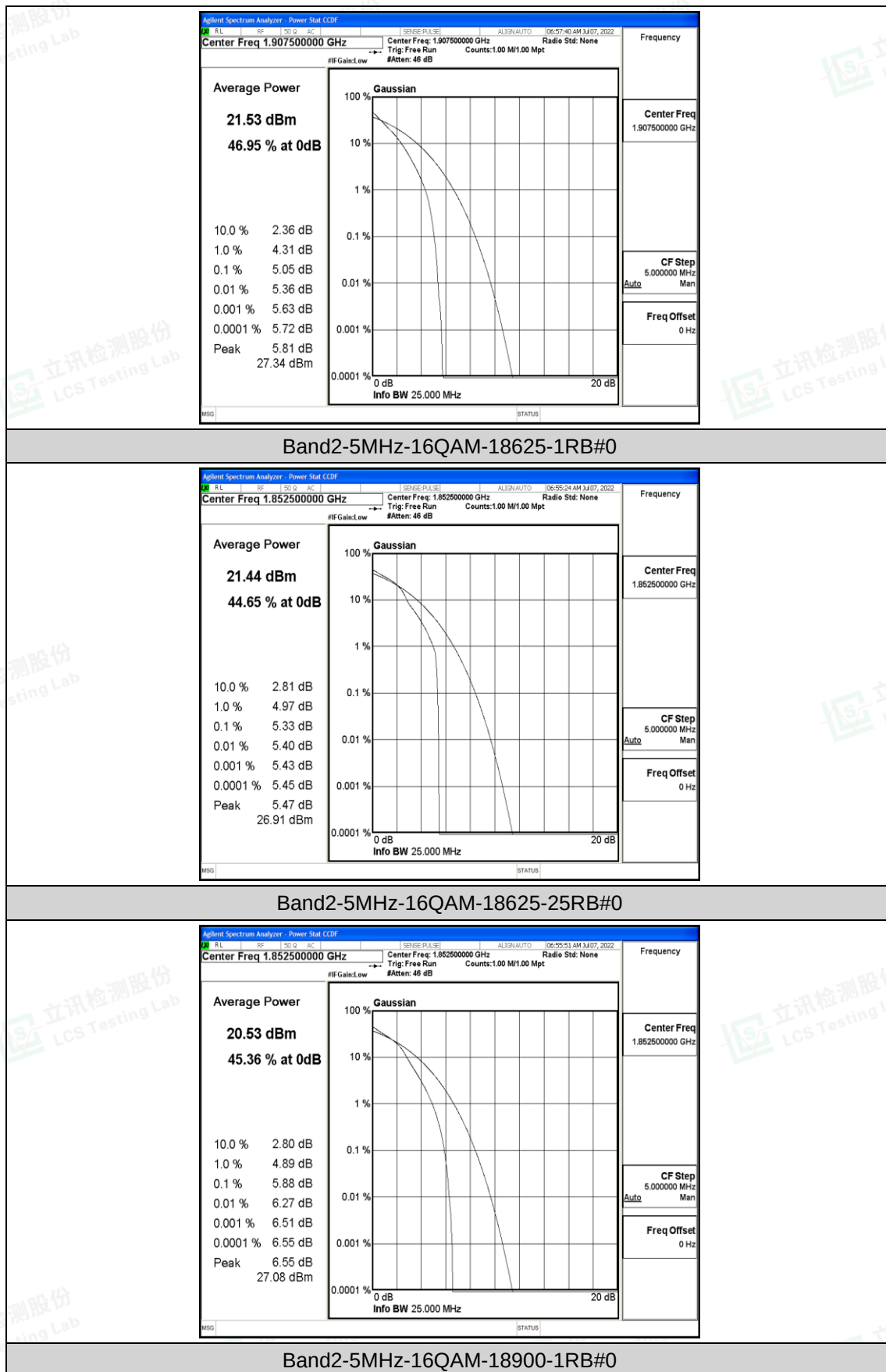


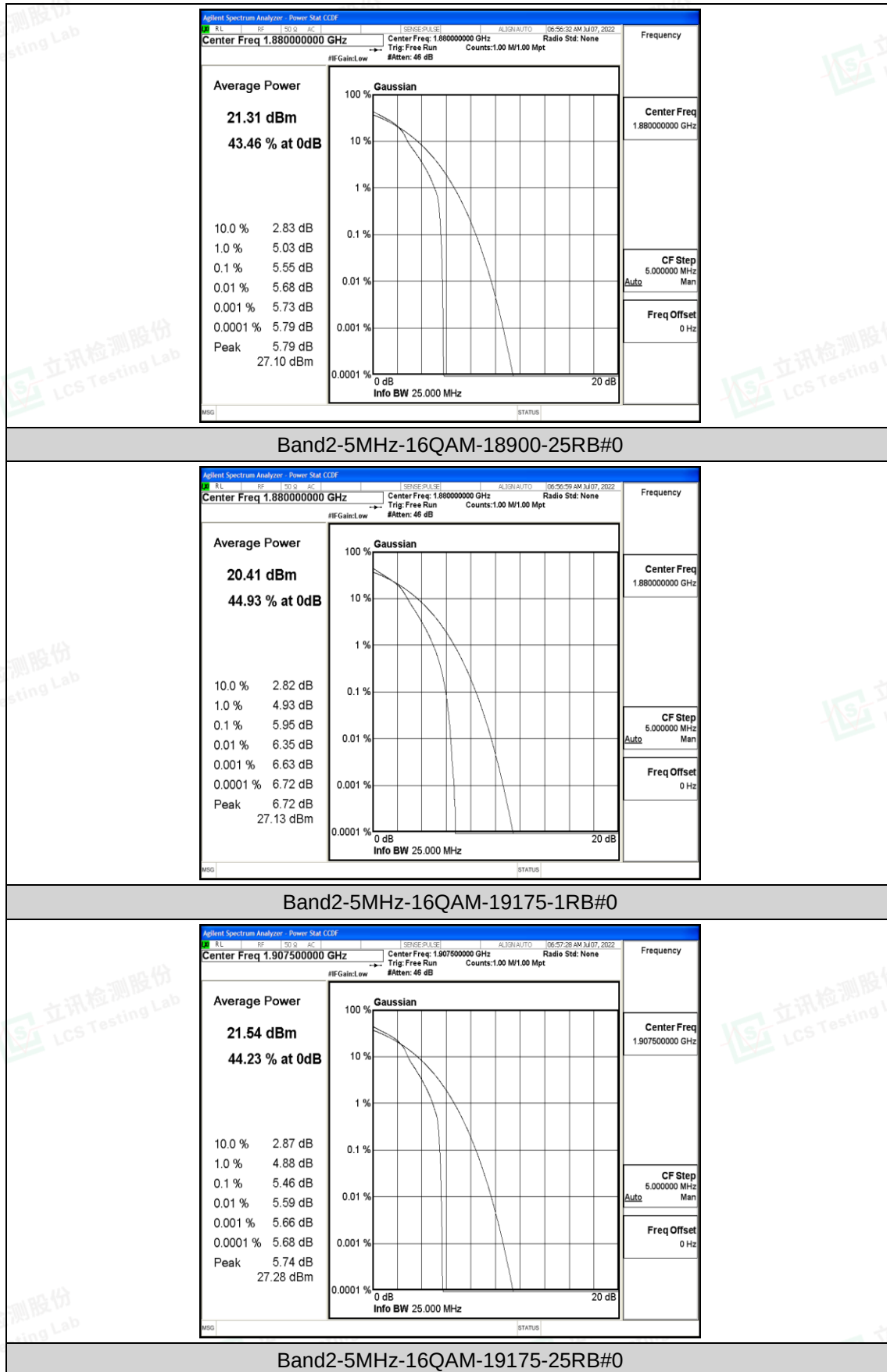
Band2-5MHz-QPSK-19175-1RB#0

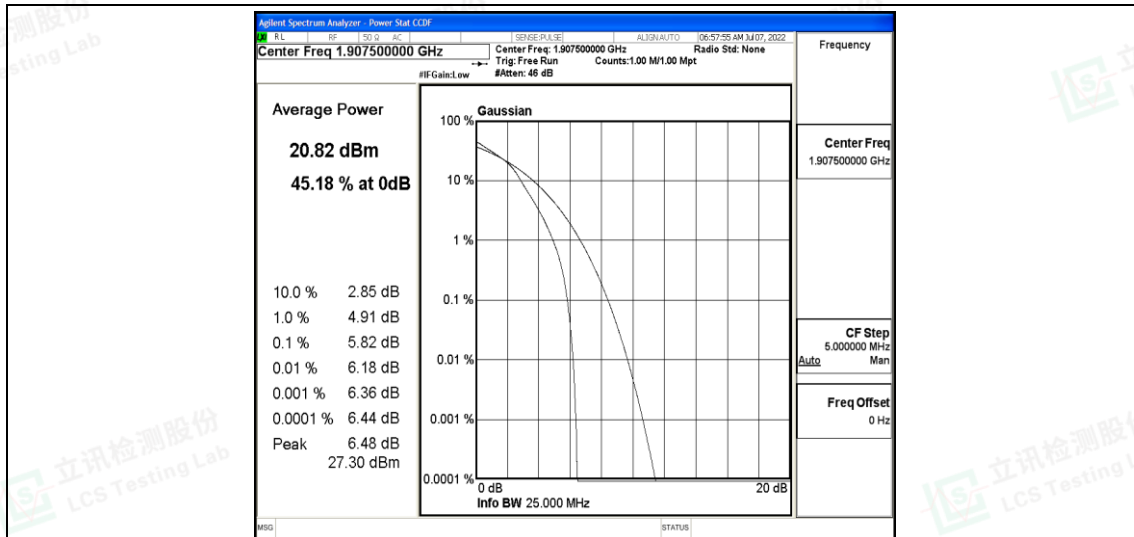


Band2-5MHz-QPSK-19175-25RB#0

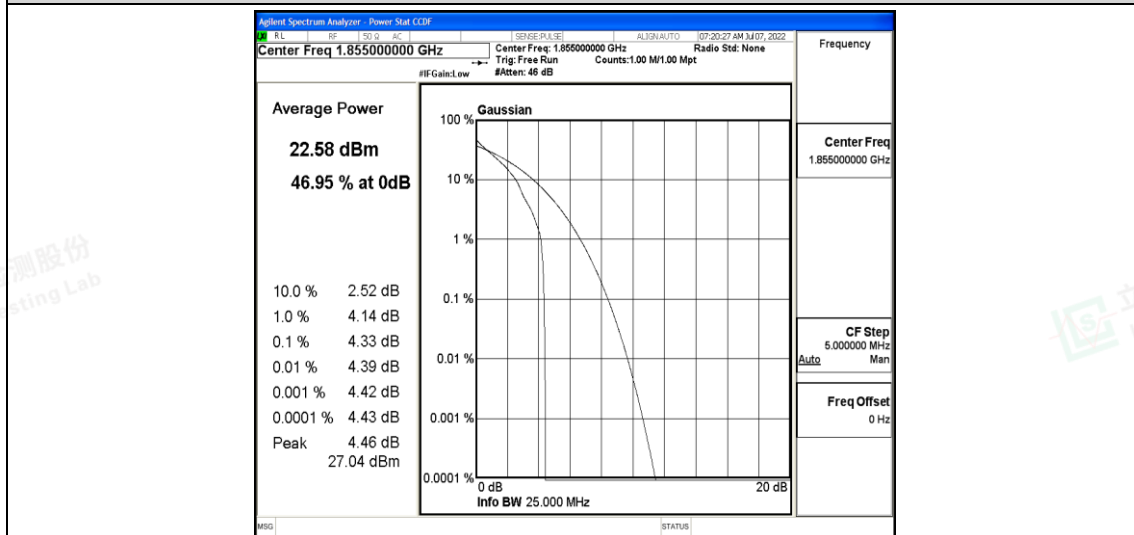




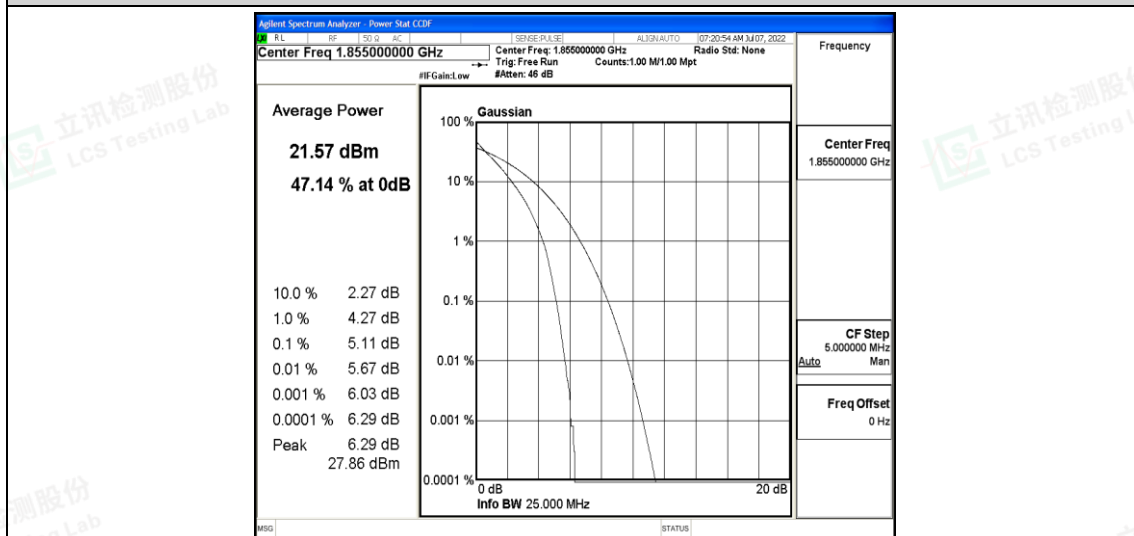




Band2-10MHz-QPSK-18650-1RB#0



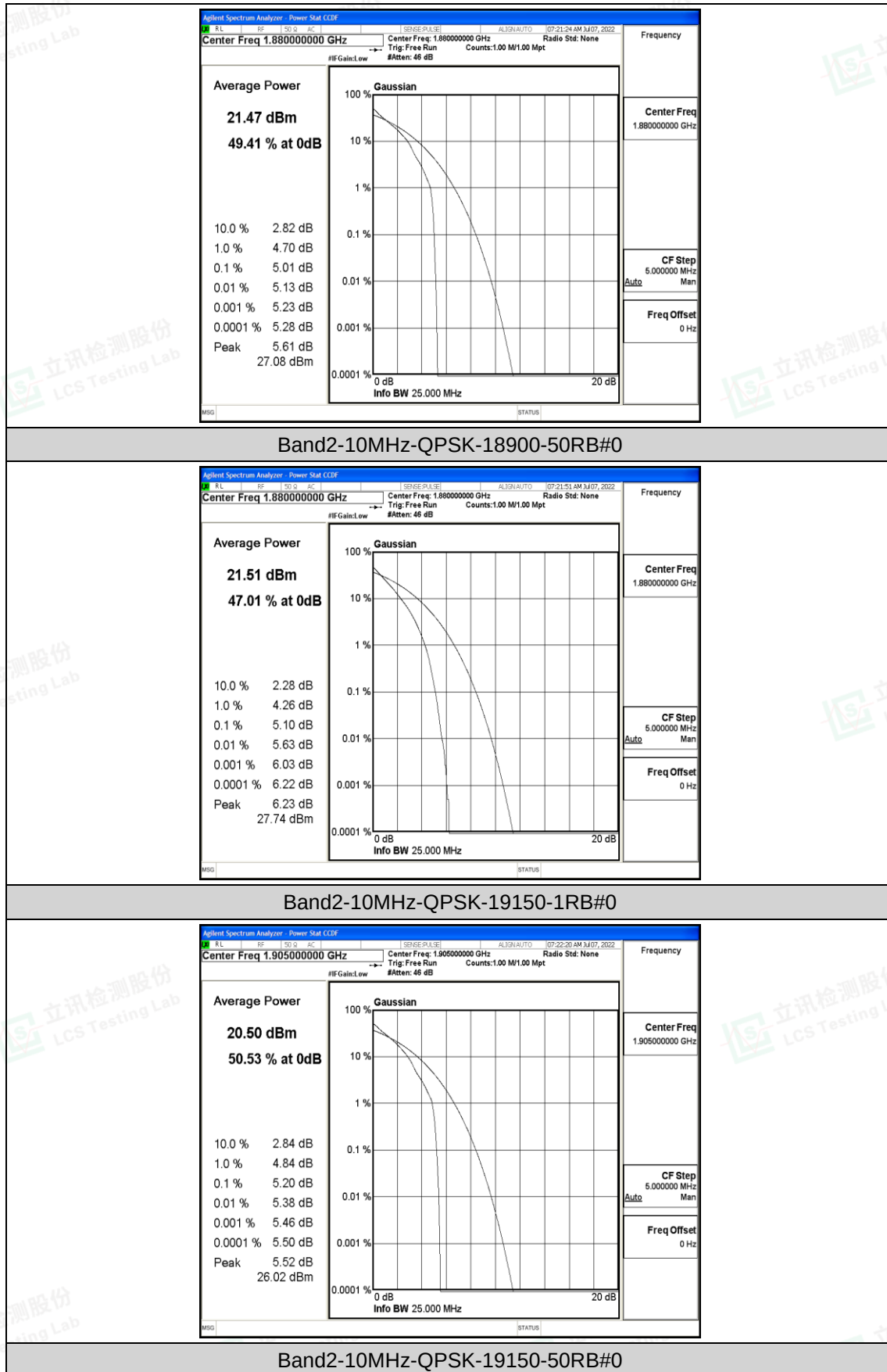
Band2-10MHz-QPSK-18650-50RB#0

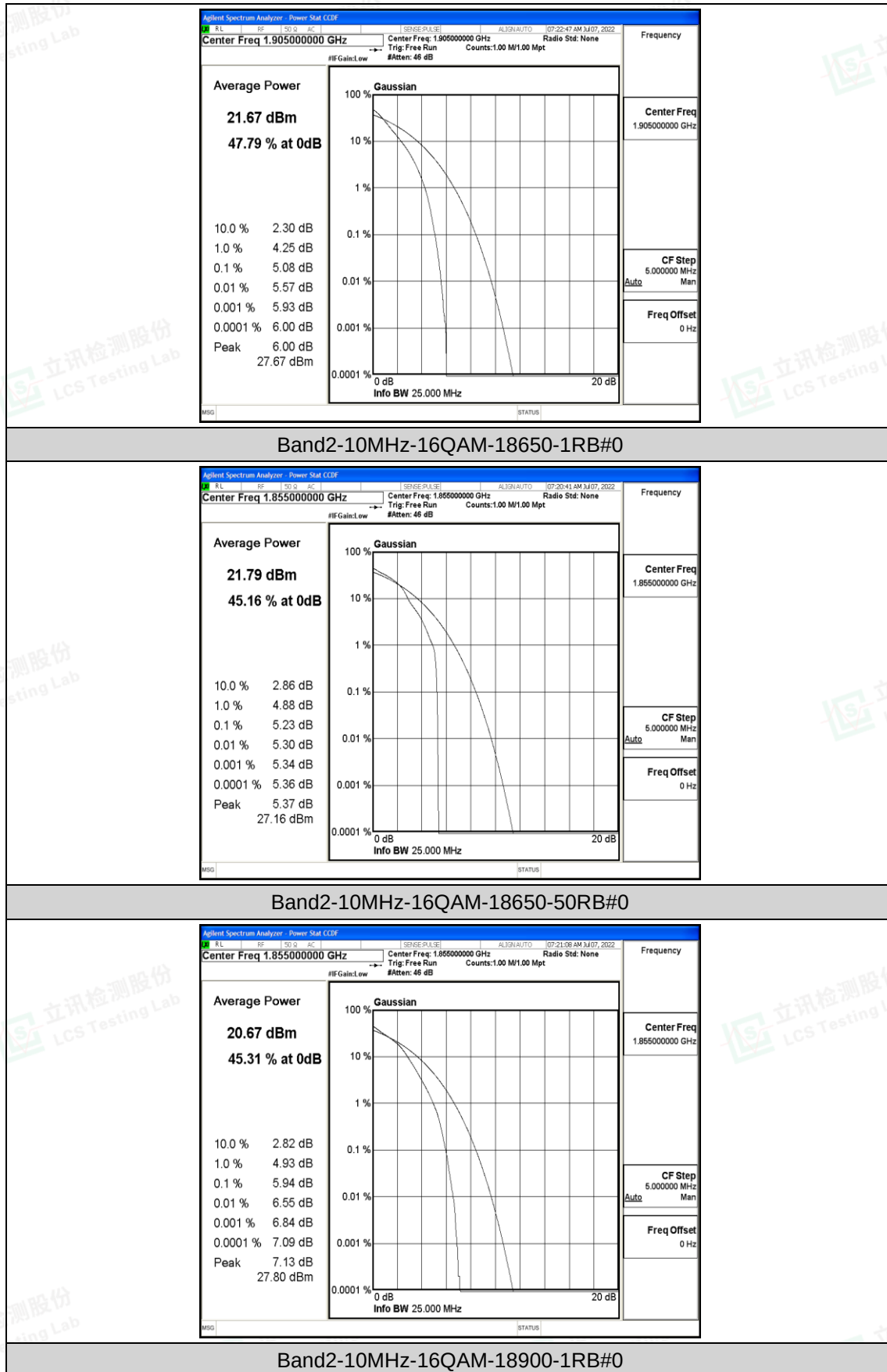


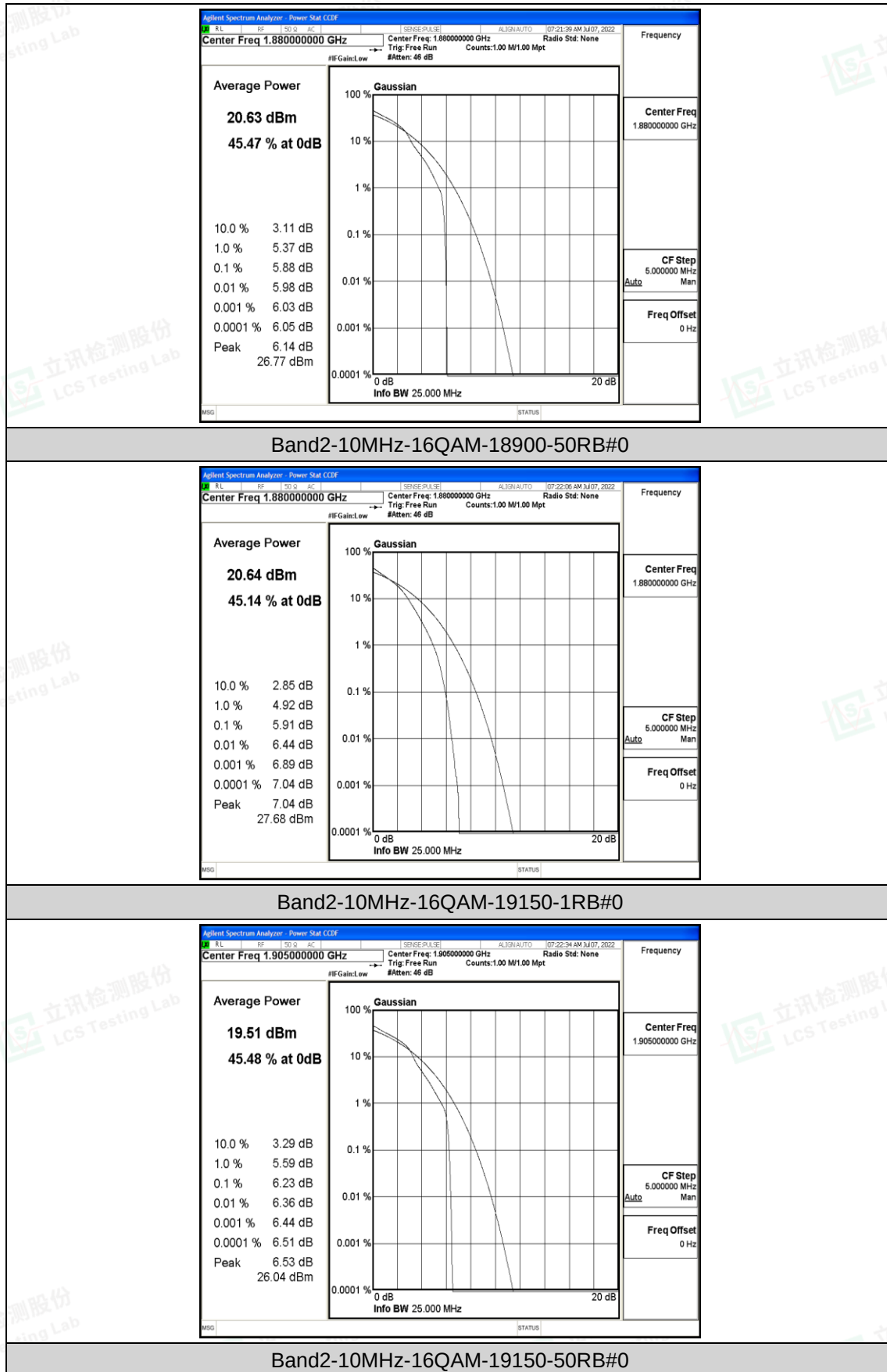
Band2-10MHz-QPSK-18900-1RB#0

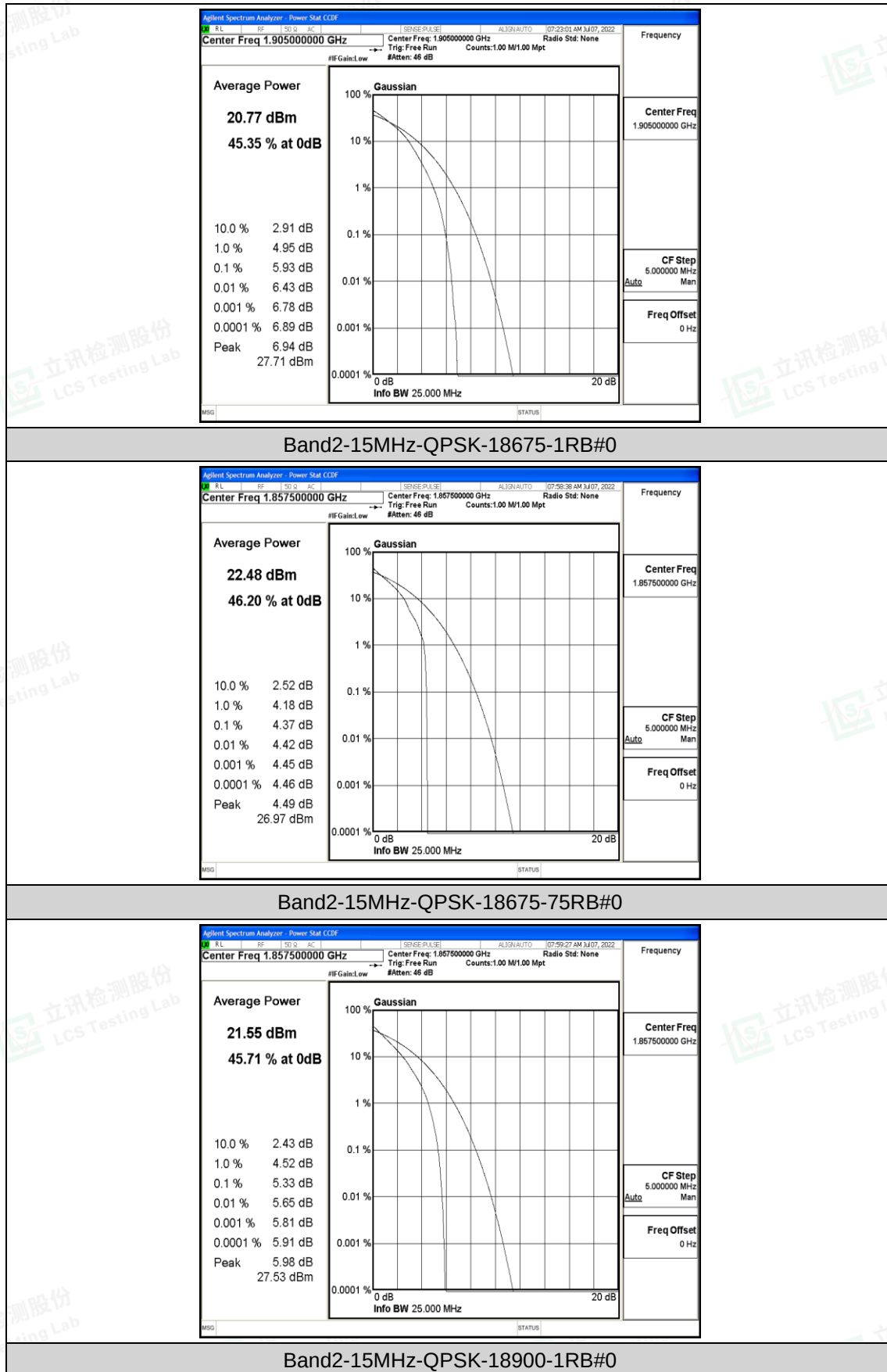


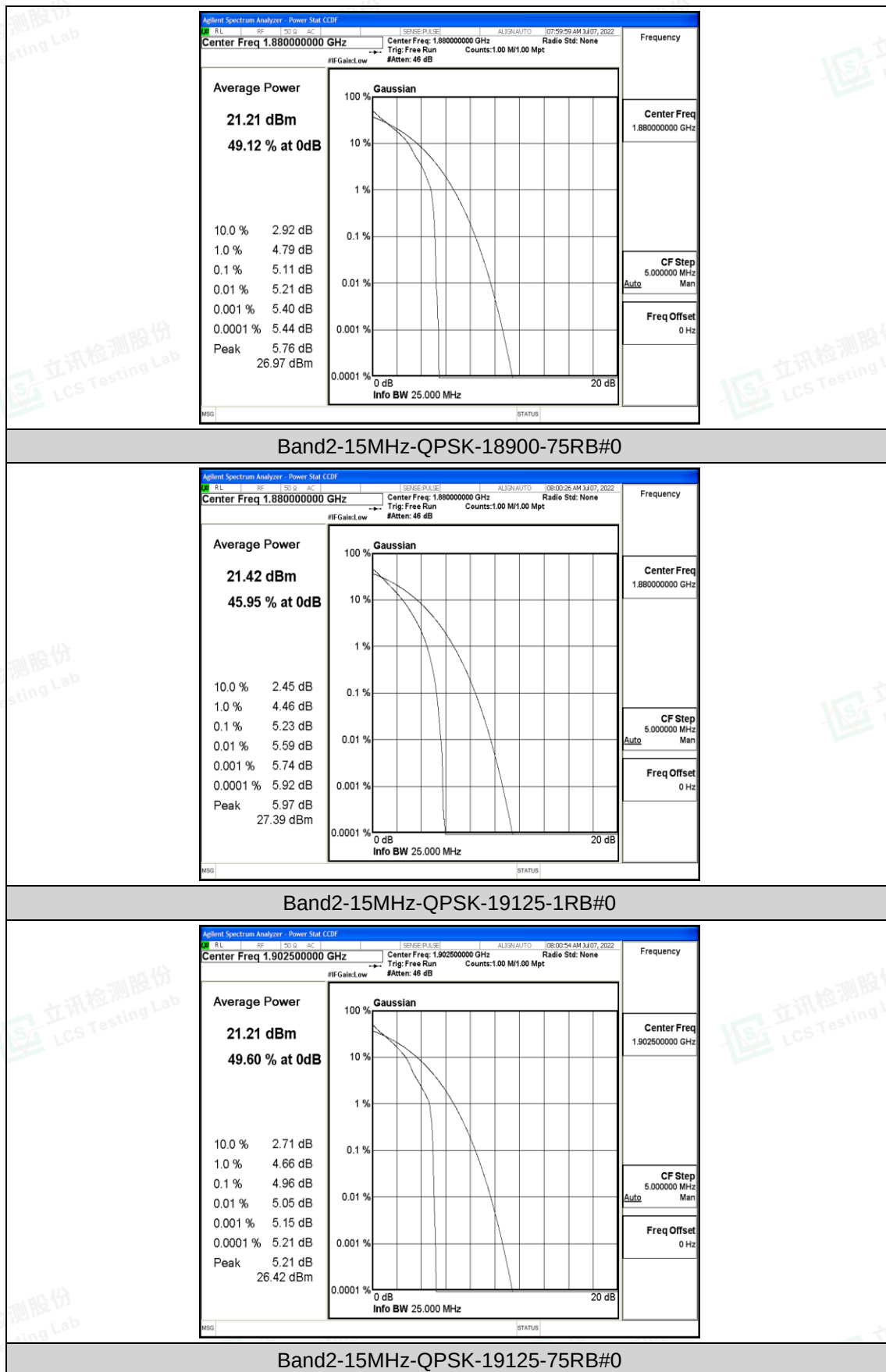
Shenzhen LCS Compliance Testing Laboratory Ltd.
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com
Scan code to check authenticity

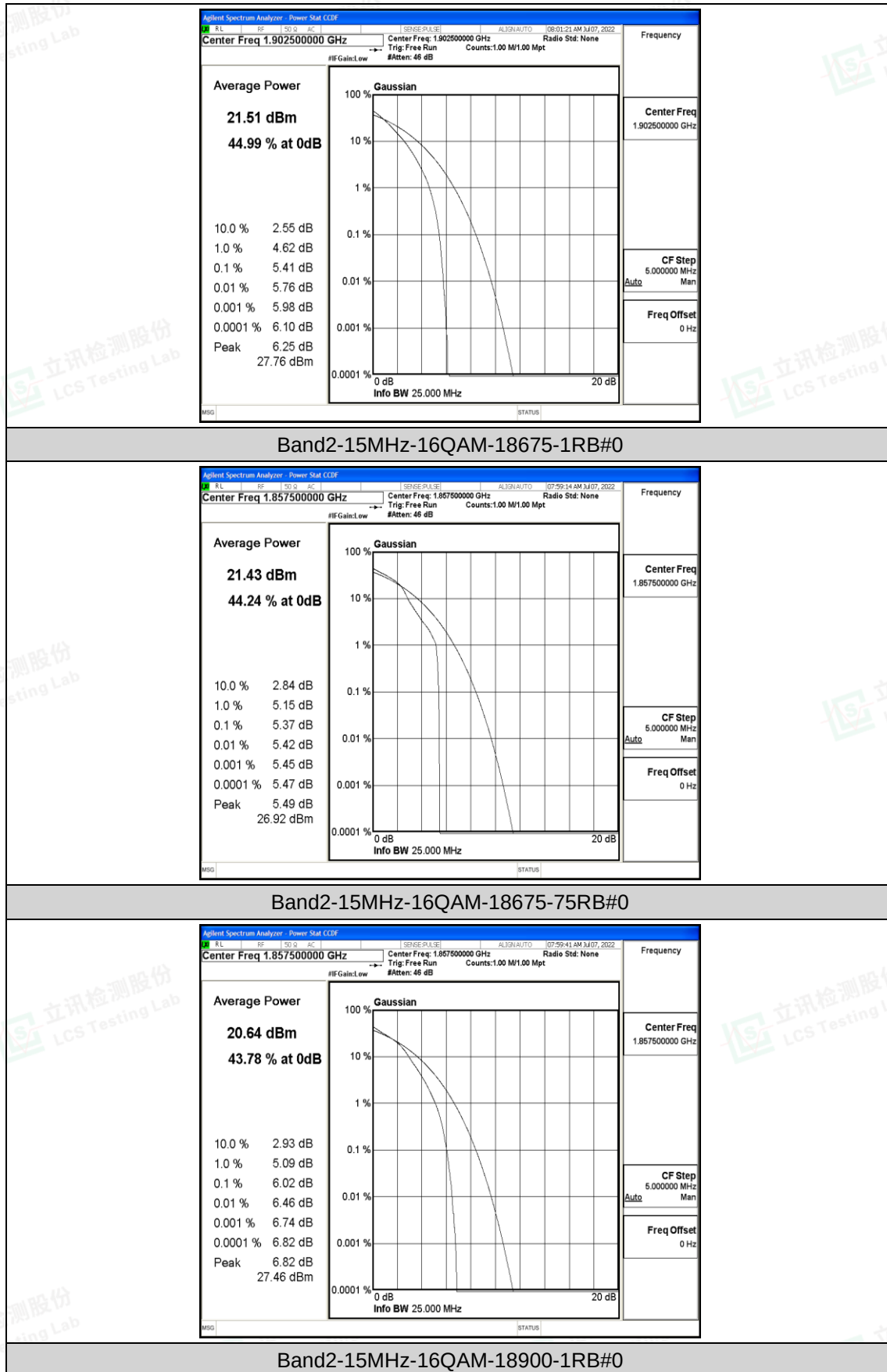


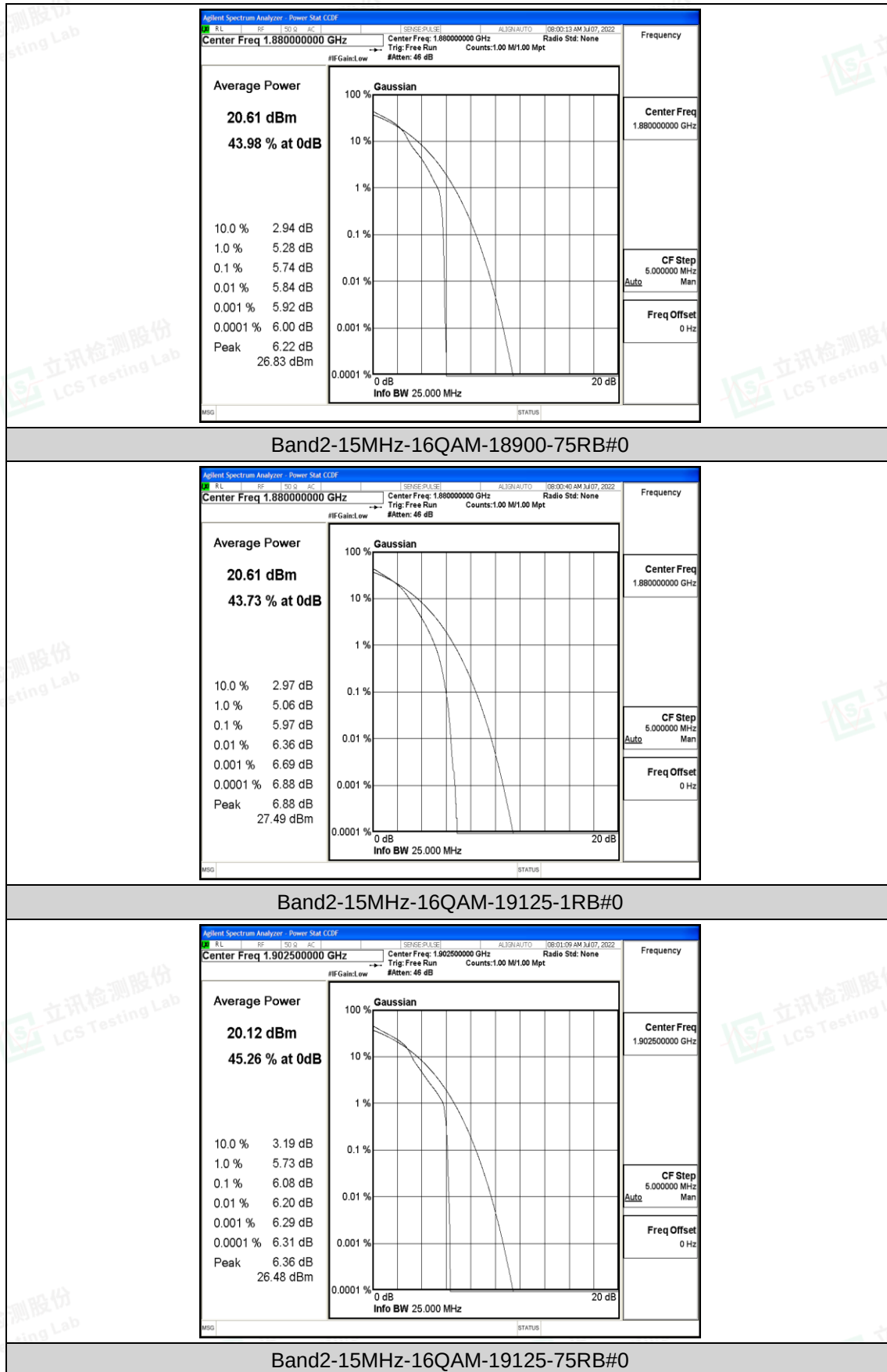


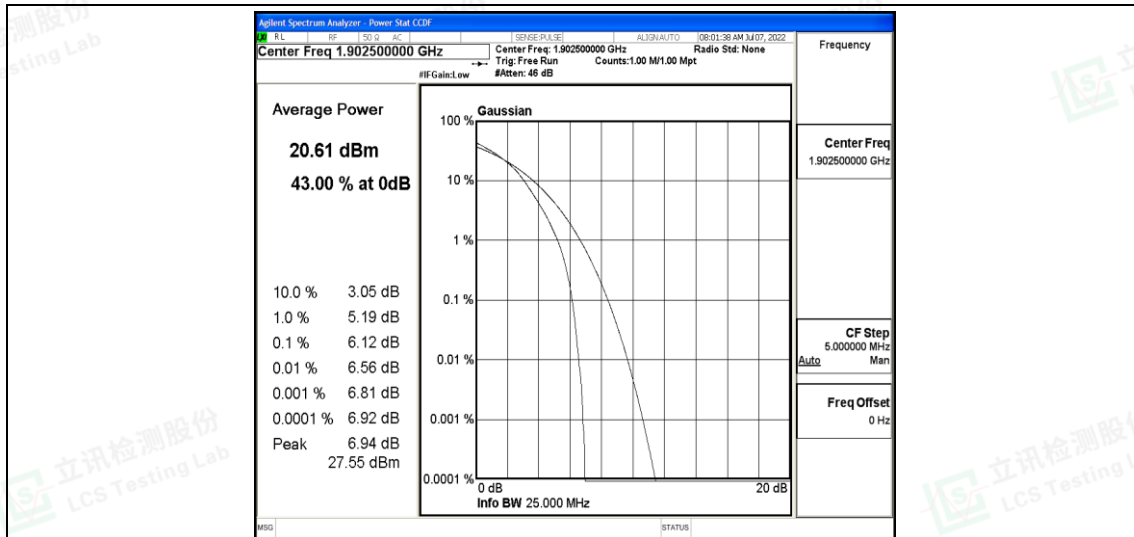




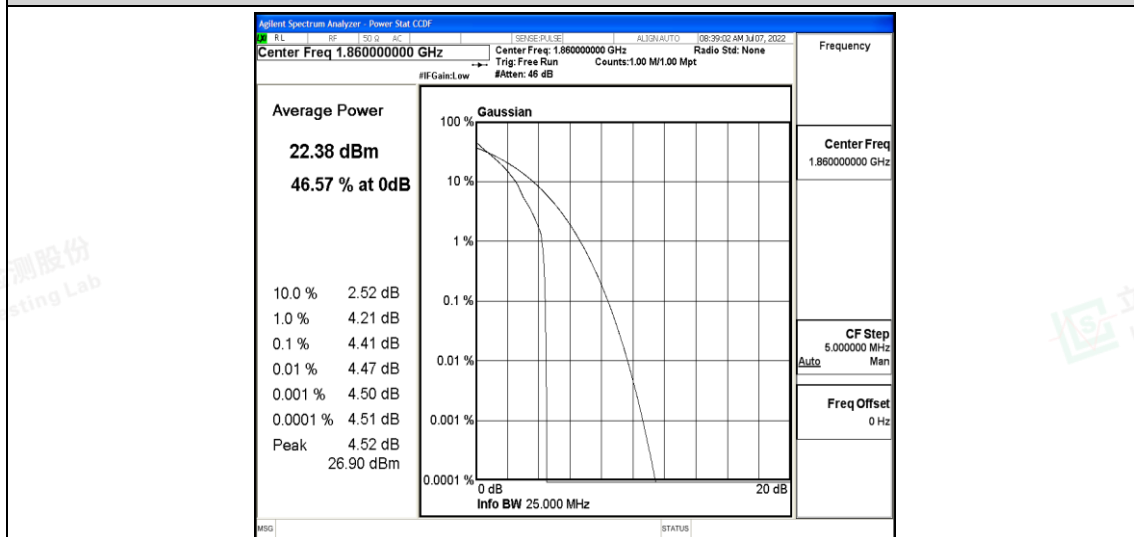




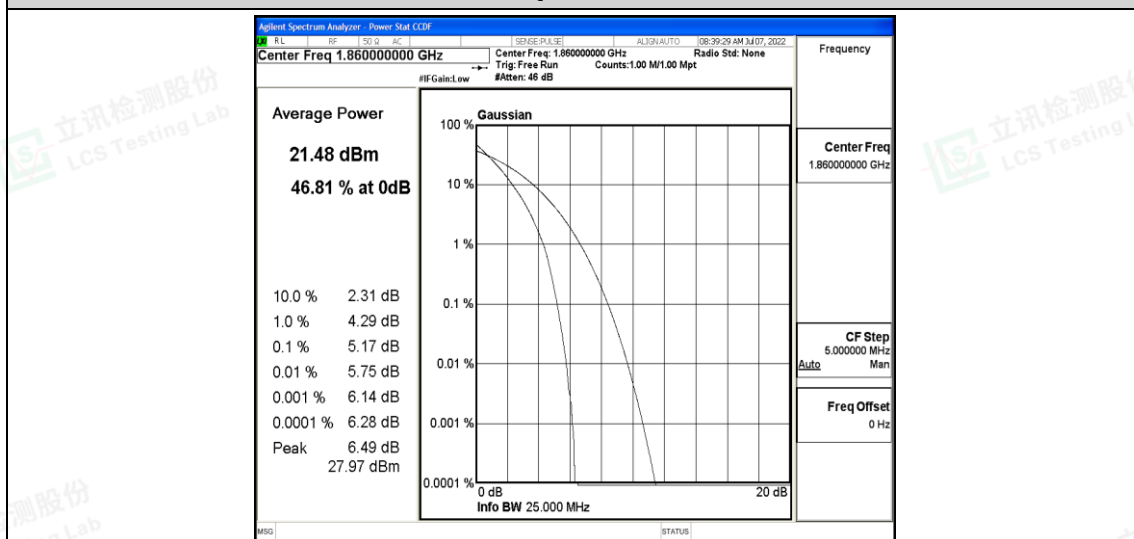




Band2-20MHz-QPSK-18700-1RB#0

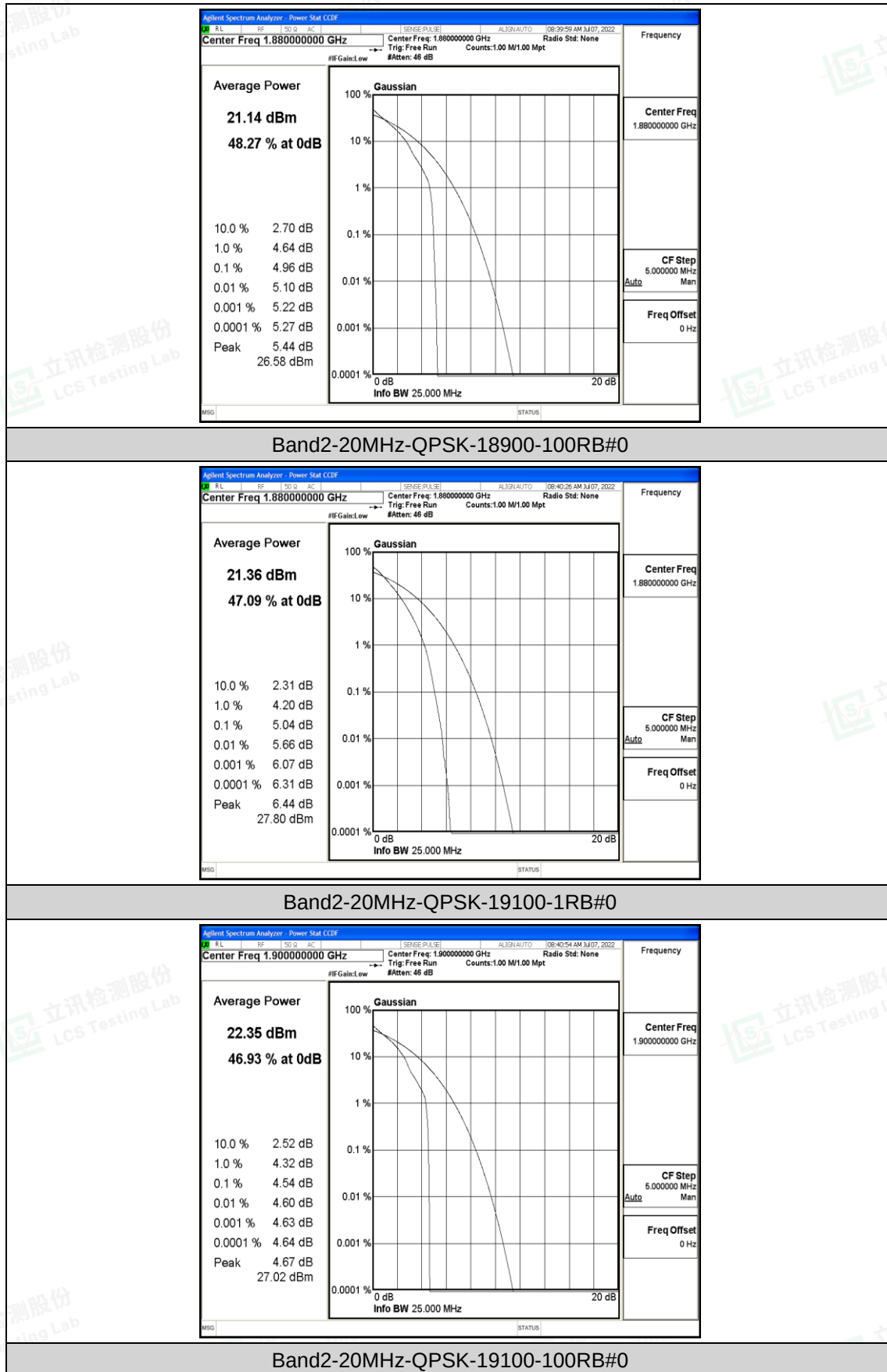


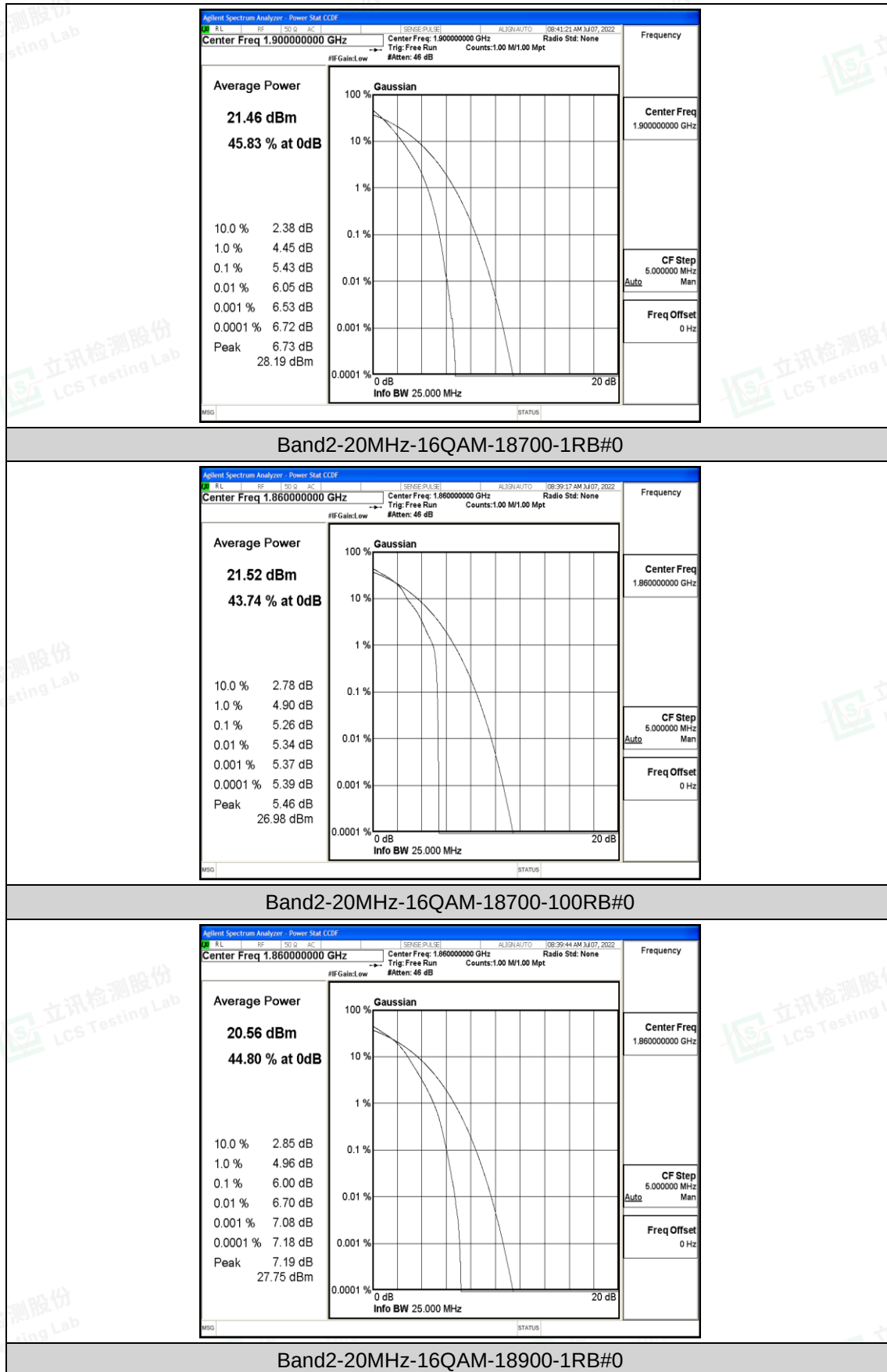
Band2-20MHz-QPSK-18700-100RB#0

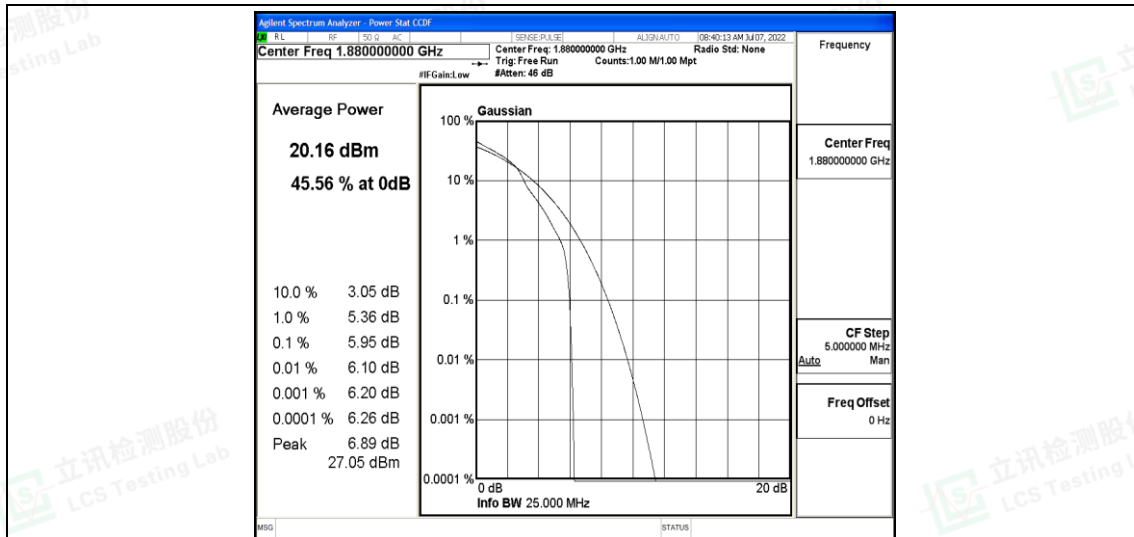


Band2-20MHz-QPSK-18900-1RB#0

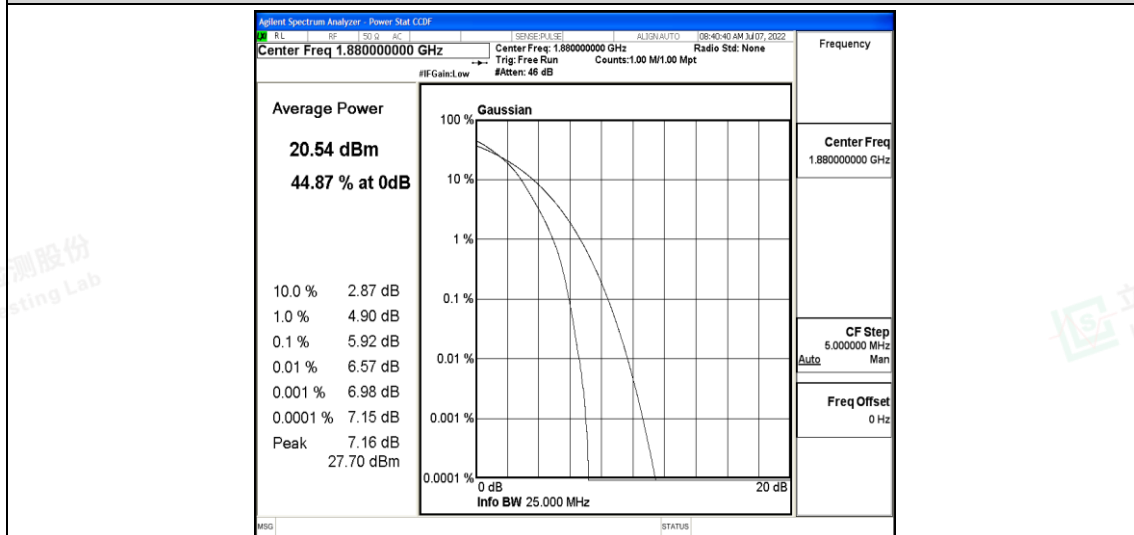




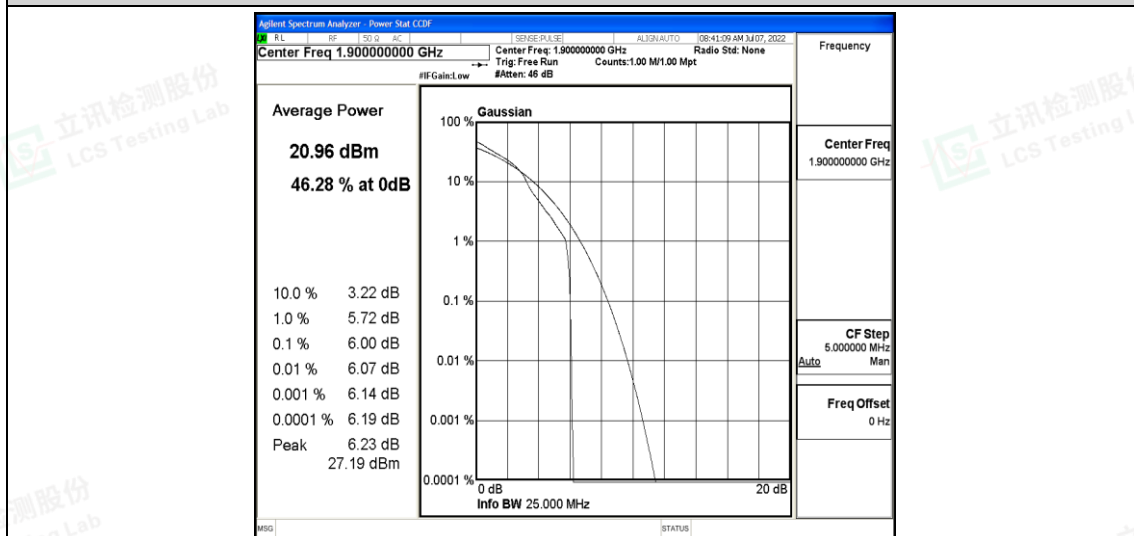




Band2-20MHz-16QAM-18900-100RB#0

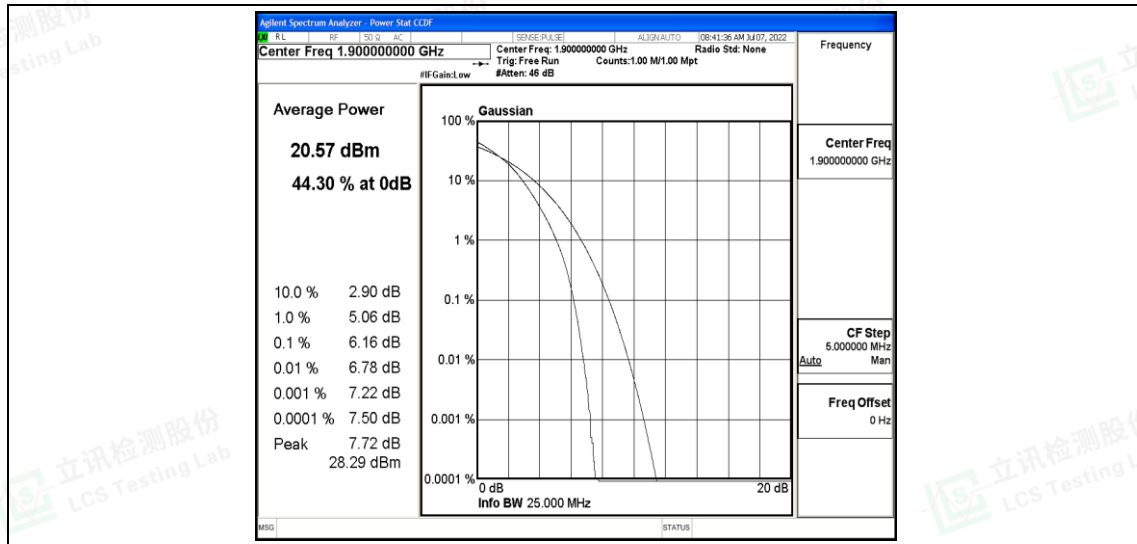


Band2-20MHz-16QAM-19100-1RB#0



Band2-20MHz-16QAM-19100-100RB#0







D.3 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band2	1.4MHz	QPSK	18607	6RB#0	1.0946	1.312	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	1.0927	1.290	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	1.0925	1.284	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	1.0988	1.285	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	1.0987	1.300	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	1.0919	1.302	PASS
Band2	3MHz	QPSK	18615	15RB#0	2.7020	2.941	PASS
Band2	3MHz	QPSK	18900	15RB#0	2.6980	2.986	PASS
Band2	3MHz	QPSK	19185	15RB#0	2.6965	2.968	PASS
Band2	3MHz	16QAM	18615	15RB#0	2.6887	2.953	PASS
Band2	3MHz	16QAM	18900	15RB#0	2.6855	2.970	PASS
Band2	3MHz	16QAM	19185	15RB#0	2.6879	2.971	PASS
Band2	5MHz	QPSK	18625	25RB#0	4.5124	5.027	PASS
Band2	5MHz	QPSK	18900	25RB#0	4.5006	5.019	PASS
Band2	5MHz	QPSK	19175	25RB#0	4.4874	4.958	PASS
Band2	5MHz	16QAM	18625	25RB#0	4.5060	4.999	PASS
Band2	5MHz	16QAM	18900	25RB#0	4.5059	4.993	PASS
Band2	5MHz	16QAM	19175	25RB#0	4.4986	5.020	PASS
Band2	10MHz	QPSK	18650	50RB#0	8.9708	9.942	PASS
Band2	10MHz	QPSK	18900	50RB#0	8.9574	9.938	PASS
Band2	10MHz	QPSK	19150	50RB#0	8.9566	9.807	PASS
Band2	10MHz	16QAM	18650	50RB#0	8.9570	9.750	PASS
Band2	10MHz	16QAM	18900	50RB#0	8.9645	9.787	PASS
Band2	10MHz	16QAM	19150	50RB#0	8.9171	9.796	PASS
Band2	15MHz	QPSK	18675	75RB#0	13.459	14.64	PASS
Band2	15MHz	QPSK	18900	75RB#0	13.454	14.60	PASS
Band2	15MHz	QPSK	19125	75RB#0	13.435	14.81	PASS
Band2	15MHz	16QAM	18675	75RB#0	13.434	14.69	PASS
Band2	15MHz	16QAM	18900	75RB#0	13.399	14.65	PASS
Band2	15MHz	16QAM	19125	75RB#0	13.450	14.54	PASS
Band2	20MHz	QPSK	18700	100RB#0	17.894	19.51	PASS
Band2	20MHz	QPSK	18900	100RB#0	17.859	19.37	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



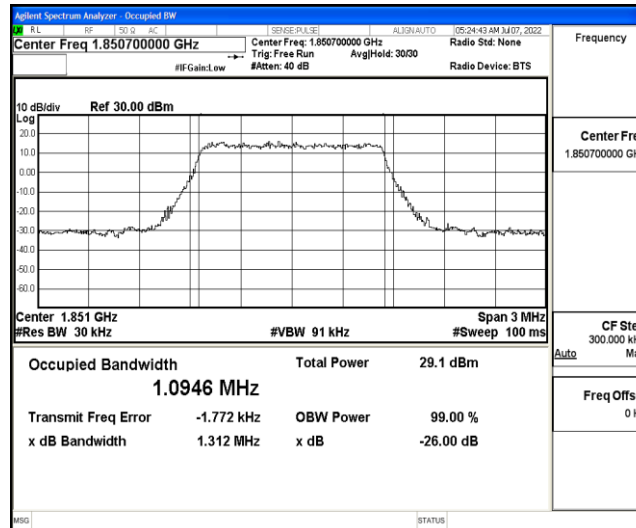
Band2	20MHz	QPSK	19100	100RB#0	17.957	19.69	PASS
Band2	20MHz	16QAM	18700	100RB#0	17.868	19.48	PASS
Band2	20MHz	16QAM	18900	100RB#0	17.920	19.34	PASS
Band2	20MHz	16QAM	19100	100RB#0	17.931	19.43	PASS



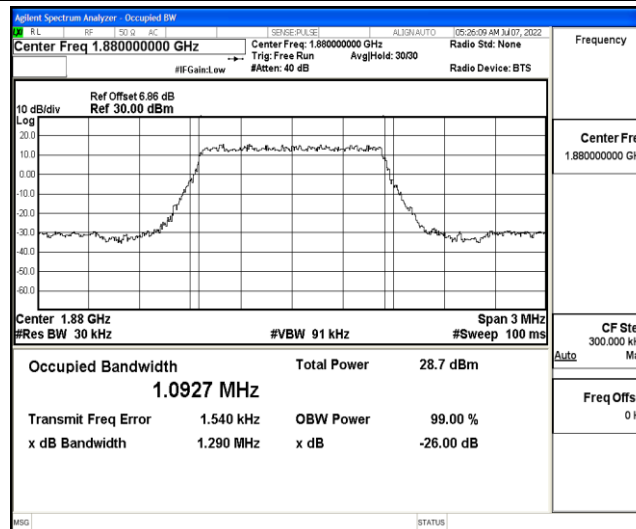


Test Graphs

Band2-1.4MHz-QPSK-18607-6RB#0

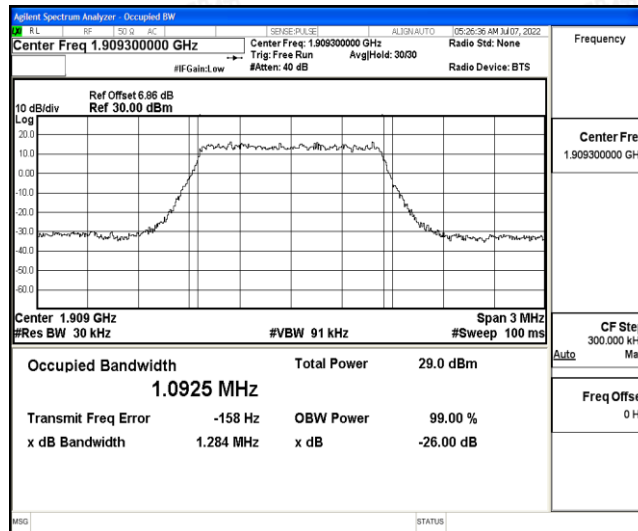


Band2-1.4MHz-QPSK-18900-6RB#0

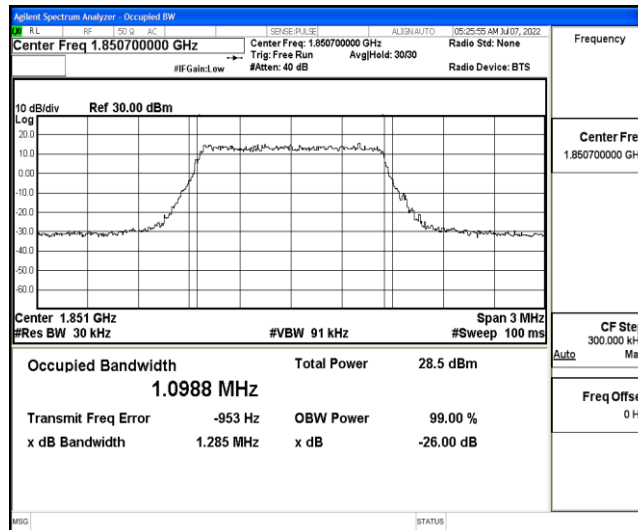


Band2-1.4MHz-QPSK-19193-6RB#0

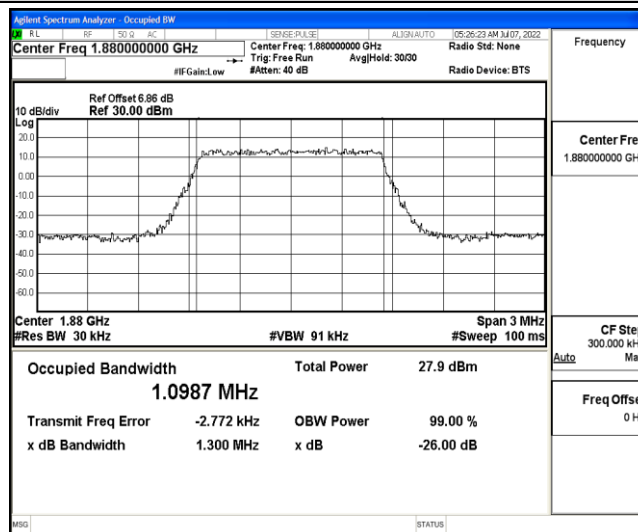




Band2-1.4MHz-16QAM-18607-6RB#0



Band2-1.4MHz-16QAM-18900-6RB#0



Band2-1.4MHz-16QAM-19193-6RB#0

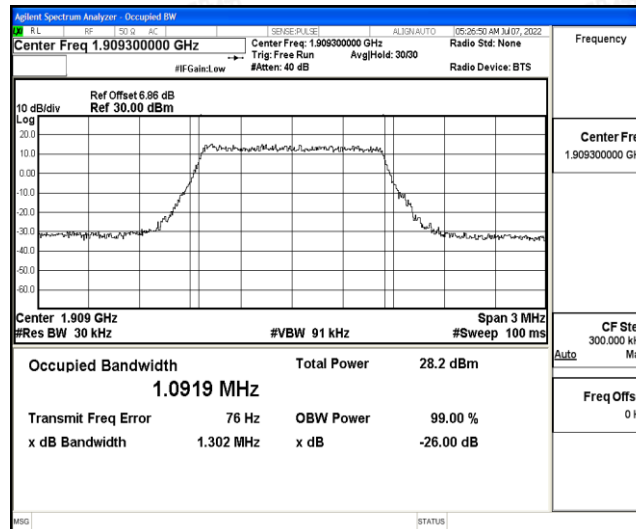


Shenzhen LCS Compliance Testing Laboratory Ltd.

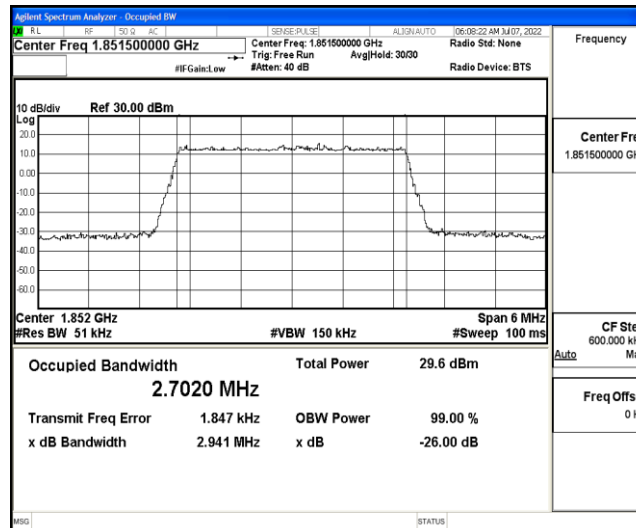
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

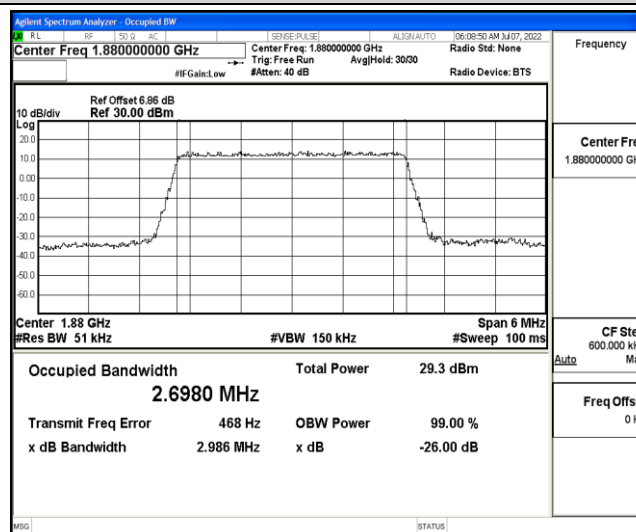
Scan code to check authenticity



Band2-3MHz-QPSK-18615-15RB#0



Band2-3MHz-QPSK-18900-15RB#0



Band2-3MHz-QPSK-19185-15RB#0

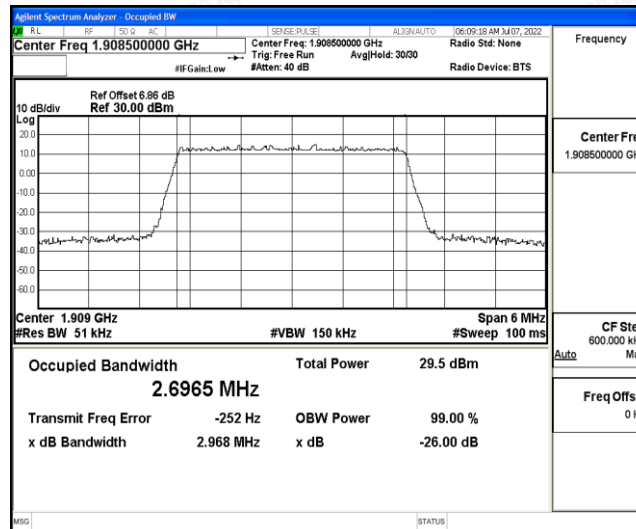


Shenzhen LCS Compliance Testing Laboratory Ltd.

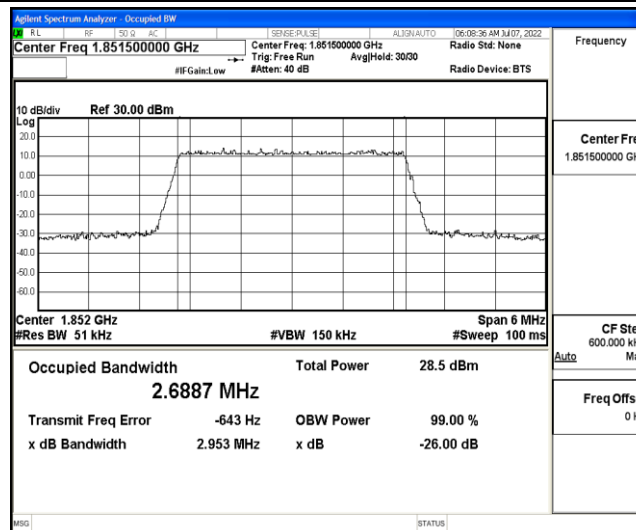
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

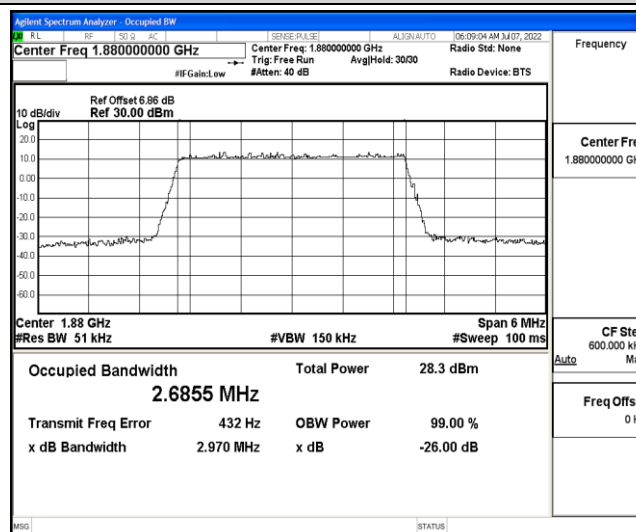
Scan code to check authenticity



Band2-3MHz-16QAM-18615-15RB#0



Band2-3MHz-16QAM-18900-15RB#0



Band2-3MHz-16QAM-19185-15RB#0

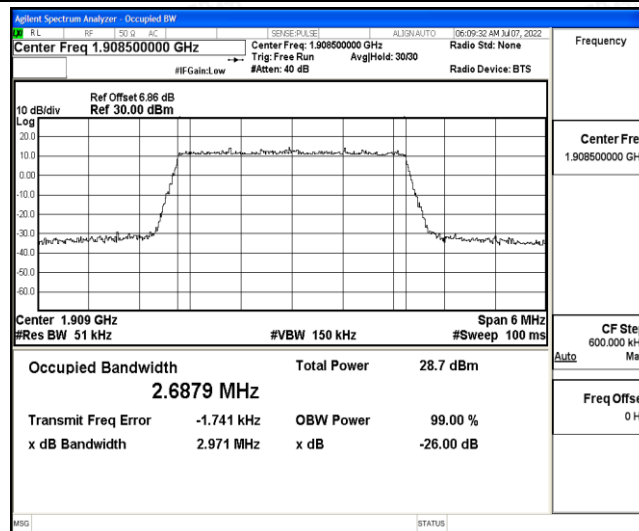


Shenzhen LCS Compliance Testing Laboratory Ltd.

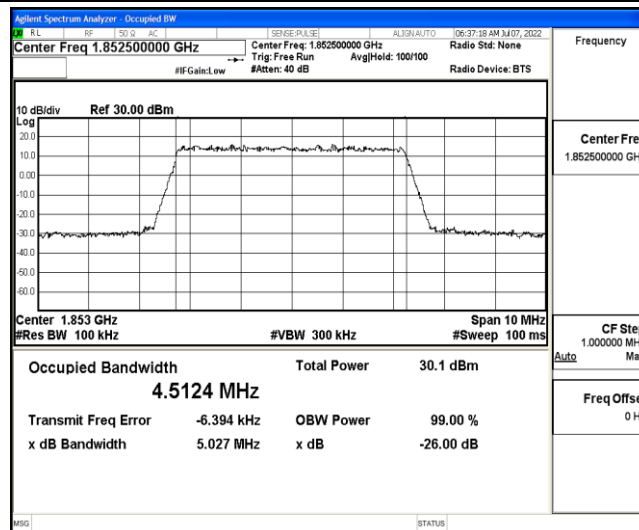
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

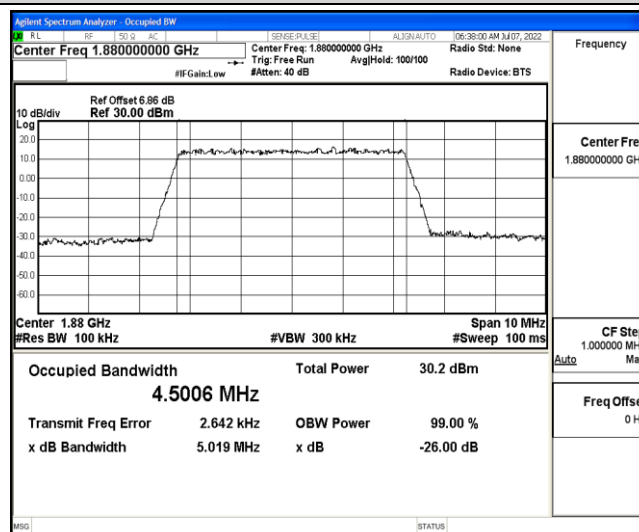
Scan code to check authenticity



Band2-5MHz-QPSK-18625-25RB#0



Band2-5MHz-QPSK-18900-25RB#0



Band2-5MHz-QPSK-19175-25RB#0

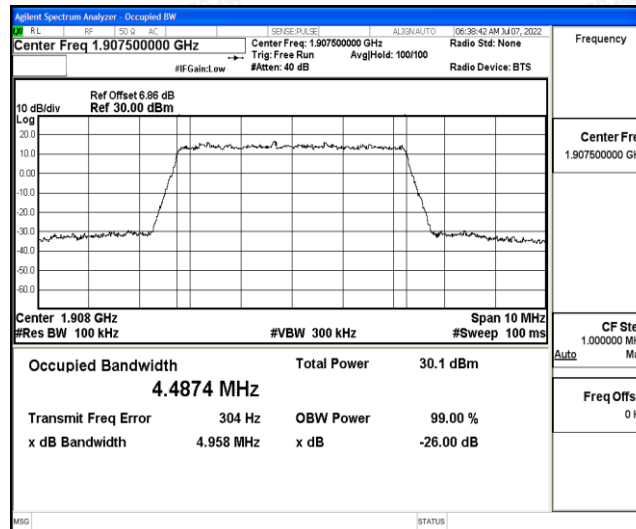


Shenzhen LCS Compliance Testing Laboratory Ltd.

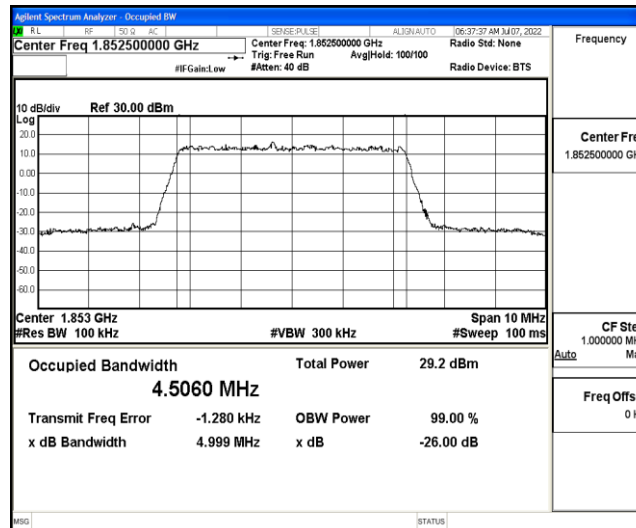
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

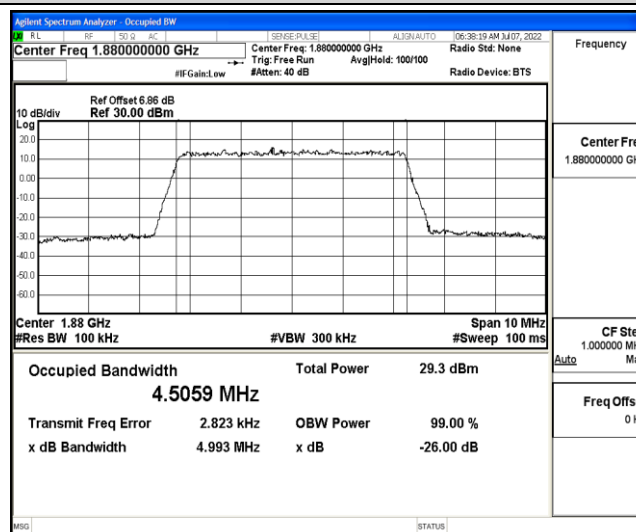
Scan code to check authenticity



Band2-5MHz-16QAM-18625-25RB#0



Band2-5MHz-16QAM-18900-25RB#0



Band2-5MHz-16QAM-19175-25RB#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