



Appendix G: Test Data for E-UTRA Band 4

Product Name: mobile phone

Test Model: F31

Environmental Conditions

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



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



G.1 Conducted Output Power Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	22.66	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	21.52	PASS
Band4	1.4MHz	QPSK	19957	1RB#2	22.76	PASS
Band4	1.4MHz	16QAM	19957	1RB#2	21.73	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	22.66	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	21.46	PASS
Band4	1.4MHz	QPSK	19957	3RB#0	22.70	PASS
Band4	1.4MHz	16QAM	19957	3RB#0	21.48	PASS
Band4	1.4MHz	QPSK	19957	3RB#1	22.73	PASS
Band4	1.4MHz	16QAM	19957	3RB#1	21.48	PASS
Band4	1.4MHz	QPSK	19957	3RB#3	22.71	PASS
Band4	1.4MHz	16QAM	19957	3RB#3	21.49	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	21.76	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	20.70	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	22.70	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	21.52	PASS
Band4	1.4MHz	QPSK	20175	1RB#2	22.79	PASS
Band4	1.4MHz	16QAM	20175	1RB#2	21.64	PASS
Band4	1.4MHz	QPSK	20175	1RB#5	22.69	PASS
Band4	1.4MHz	16QAM	20175	1RB#5	21.48	PASS
Band4	1.4MHz	QPSK	20175	3RB#0	22.75	PASS
Band4	1.4MHz	16QAM	20175	3RB#0	21.58	PASS
Band4	1.4MHz	QPSK	20175	3RB#1	22.76	PASS
Band4	1.4MHz	16QAM	20175	3RB#1	21.60	PASS
Band4	1.4MHz	QPSK	20175	3RB#3	22.75	PASS
Band4	1.4MHz	16QAM	20175	3RB#3	21.55	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	21.74	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	20.52	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	22.48	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	21.26	PASS
Band4	1.4MHz	QPSK	20393	1RB#2	22.62	PASS
Band4	1.4MHz	16QAM	20393	1RB#2	21.37	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	22.50	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	21.28	PASS
Band4	1.4MHz	QPSK	20393	3RB#0	22.62	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



Band4	1.4MHz	16QAM	20393	3RB#0	21.35	PASS
Band4	1.4MHz	QPSK	20393	3RB#1	22.63	PASS
Band4	1.4MHz	16QAM	20393	3RB#1	21.36	PASS
Band4	1.4MHz	QPSK	20393	3RB#3	22.65	PASS
Band4	1.4MHz	16QAM	20393	3RB#3	21.29	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	21.57	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	20.54	PASS
Band4	3MHz	QPSK	19965	1RB#0	22.67	PASS
Band4	3MHz	16QAM	19965	1RB#0	21.64	PASS
Band4	3MHz	QPSK	19965	1RB#8	22.72	PASS
Band4	3MHz	16QAM	19965	1RB#8	21.64	PASS
Band4	3MHz	QPSK	19965	1RB#14	22.68	PASS
Band4	3MHz	16QAM	19965	1RB#14	21.68	PASS
Band4	3MHz	QPSK	19965	8RB#0	21.66	PASS
Band4	3MHz	16QAM	19965	8RB#0	20.63	PASS
Band4	3MHz	QPSK	19965	8RB#4	21.67	PASS
Band4	3MHz	16QAM	19965	8RB#4	20.64	PASS
Band4	3MHz	QPSK	19965	8RB#7	21.73	PASS
Band4	3MHz	16QAM	19965	8RB#7	20.64	PASS
Band4	3MHz	QPSK	19965	15RB#0	21.65	PASS
Band4	3MHz	16QAM	19965	15RB#0	20.66	PASS
Band4	3MHz	QPSK	20175	1RB#0	22.71	PASS
Band4	3MHz	16QAM	20175	1RB#0	21.58	PASS
Band4	3MHz	QPSK	20175	1RB#8	22.72	PASS
Band4	3MHz	16QAM	20175	1RB#8	21.50	PASS
Band4	3MHz	QPSK	20175	1RB#14	22.71	PASS
Band4	3MHz	16QAM	20175	1RB#14	21.43	PASS
Band4	3MHz	QPSK	20175	8RB#0	21.65	PASS
Band4	3MHz	16QAM	20175	8RB#0	20.61	PASS
Band4	3MHz	QPSK	20175	8RB#4	21.67	PASS
Band4	3MHz	16QAM	20175	8RB#4	20.62	PASS
Band4	3MHz	QPSK	20175	8RB#7	21.59	PASS
Band4	3MHz	16QAM	20175	8RB#7	20.58	PASS
Band4	3MHz	QPSK	20175	15RB#0	21.62	PASS
Band4	3MHz	16QAM	20175	15RB#0	20.52	PASS
Band4	3MHz	QPSK	20385	1RB#0	22.51	PASS
Band4	3MHz	16QAM	20385	1RB#0	21.32	PASS
Band4	3MHz	QPSK	20385	1RB#8	22.53	PASS
Band4	3MHz	16QAM	20385	1RB#8	21.29	PASS
Band4	3MHz	QPSK	20385	1RB#14	22.53	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



Band4	3MHz	16QAM	20385	1RB#14	21.26	PASS
Band4	3MHz	QPSK	20385	8RB#0	21.45	PASS
Band4	3MHz	16QAM	20385	8RB#0	20.48	PASS
Band4	3MHz	QPSK	20385	8RB#4	21.53	PASS
Band4	3MHz	16QAM	20385	8RB#4	20.49	PASS
Band4	3MHz	QPSK	20385	8RB#7	21.47	PASS
Band4	3MHz	16QAM	20385	8RB#7	20.48	PASS
Band4	3MHz	QPSK	20385	15RB#0	21.46	PASS
Band4	3MHz	16QAM	20385	15RB#0	20.40	PASS
Band4	5MHz	QPSK	19975	1RB#0	22.65	PASS
Band4	5MHz	16QAM	19975	1RB#0	21.57	PASS
Band4	5MHz	QPSK	19975	1RB#12	22.82	PASS
Band4	5MHz	16QAM	19975	1RB#12	21.65	PASS
Band4	5MHz	QPSK	19975	1RB#24	22.71	PASS
Band4	5MHz	16QAM	19975	1RB#24	21.57	PASS
Band4	5MHz	QPSK	19975	12RB#0	21.53	PASS
Band4	5MHz	16QAM	19975	12RB#0	20.44	PASS
Band4	5MHz	QPSK	19975	12RB#6	21.56	PASS
Band4	5MHz	16QAM	19975	12RB#6	20.50	PASS
Band4	5MHz	QPSK	19975	12RB#13	21.75	PASS
Band4	5MHz	16QAM	19975	12RB#13	20.67	PASS
Band4	5MHz	QPSK	19975	25RB#0	21.64	PASS
Band4	5MHz	16QAM	19975	25RB#0	20.67	PASS
Band4	5MHz	QPSK	20175	1RB#0	22.64	PASS
Band4	5MHz	16QAM	20175	1RB#0	21.67	PASS
Band4	5MHz	QPSK	20175	1RB#12	22.69	PASS
Band4	5MHz	16QAM	20175	1RB#12	21.73	PASS
Band4	5MHz	QPSK	20175	1RB#24	22.57	PASS
Band4	5MHz	16QAM	20175	1RB#24	21.60	PASS
Band4	5MHz	QPSK	20175	12RB#0	21.61	PASS
Band4	5MHz	16QAM	20175	12RB#0	20.66	PASS
Band4	5MHz	QPSK	20175	12RB#6	21.60	PASS
Band4	5MHz	16QAM	20175	12RB#6	20.62	PASS
Band4	5MHz	QPSK	20175	12RB#13	21.56	PASS
Band4	5MHz	16QAM	20175	12RB#13	20.59	PASS
Band4	5MHz	QPSK	20175	25RB#0	21.67	PASS
Band4	5MHz	16QAM	20175	25RB#0	20.59	PASS
Band4	5MHz	QPSK	20375	1RB#0	22.46	PASS
Band4	5MHz	16QAM	20375	1RB#0	21.37	PASS
Band4	5MHz	QPSK	20375	1RB#12	22.60	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



Band4	5MHz	16QAM	20375	1RB#12	21.44	PASS
Band4	5MHz	QPSK	20375	1RB#24	22.52	PASS
Band4	5MHz	16QAM	20375	1RB#24	21.32	PASS
Band4	5MHz	QPSK	20375	12RB#0	21.45	PASS
Band4	5MHz	16QAM	20375	12RB#0	20.47	PASS
Band4	5MHz	QPSK	20375	12RB#6	21.45	PASS
Band4	5MHz	16QAM	20375	12RB#6	20.43	PASS
Band4	5MHz	QPSK	20375	12RB#13	21.50	PASS
Band4	5MHz	16QAM	20375	12RB#13	20.45	PASS
Band4	5MHz	QPSK	20375	25RB#0	21.48	PASS
Band4	5MHz	16QAM	20375	25RB#0	20.49	PASS
Band4	10MHz	QPSK	20000	1RB#0	22.63	PASS
Band4	10MHz	16QAM	20000	1RB#0	21.63	PASS
Band4	10MHz	QPSK	20000	1RB#24	22.86	PASS
Band4	10MHz	16QAM	20000	1RB#24	21.87	PASS
Band4	10MHz	QPSK	20000	1RB#49	22.71	PASS
Band4	10MHz	16QAM	20000	1RB#49	21.74	PASS
Band4	10MHz	QPSK	20000	25RB#0	21.54	PASS
Band4	10MHz	16QAM	20000	25RB#0	20.50	PASS
Band4	10MHz	QPSK	20000	25RB#12	21.58	PASS
Band4	10MHz	16QAM	20000	25RB#12	20.52	PASS
Band4	10MHz	QPSK	20000	25RB#25	21.75	PASS
Band4	10MHz	16QAM	20000	25RB#25	20.74	PASS
Band4	10MHz	QPSK	20000	50RB#0	21.69	PASS
Band4	10MHz	16QAM	20000	50RB#0	20.71	PASS
Band4	10MHz	QPSK	20175	1RB#0	22.74	PASS
Band4	10MHz	16QAM	20175	1RB#0	21.54	PASS
Band4	10MHz	QPSK	20175	1RB#24	22.80	PASS
Band4	10MHz	16QAM	20175	1RB#24	21.63	PASS
Band4	10MHz	QPSK	20175	1RB#49	22.55	PASS
Band4	10MHz	16QAM	20175	1RB#49	21.38	PASS
Band4	10MHz	QPSK	20175	25RB#0	21.67	PASS
Band4	10MHz	16QAM	20175	25RB#0	20.72	PASS
Band4	10MHz	QPSK	20175	25RB#12	21.71	PASS
Band4	10MHz	16QAM	20175	25RB#12	20.70	PASS
Band4	10MHz	QPSK	20175	25RB#25	21.59	PASS
Band4	10MHz	16QAM	20175	25RB#25	20.58	PASS
Band4	10MHz	QPSK	20175	50RB#0	21.59	PASS
Band4	10MHz	16QAM	20175	50RB#0	20.62	PASS
Band4	10MHz	QPSK	20350	1RB#0	22.49	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



Band4	10MHz	16QAM	20350	1RB#0	21.29	PASS
Band4	10MHz	QPSK	20350	1RB#24	22.59	PASS
Band4	10MHz	16QAM	20350	1RB#24	21.34	PASS
Band4	10MHz	QPSK	20350	1RB#49	22.52	PASS
Band4	10MHz	16QAM	20350	1RB#49	21.23	PASS
Band4	10MHz	QPSK	20350	25RB#0	21.49	PASS
Band4	10MHz	16QAM	20350	25RB#0	20.54	PASS
Band4	10MHz	QPSK	20350	25RB#12	21.53	PASS
Band4	10MHz	16QAM	20350	25RB#12	20.54	PASS
Band4	10MHz	QPSK	20350	25RB#25	21.55	PASS
Band4	10MHz	16QAM	20350	25RB#25	20.56	PASS
Band4	10MHz	QPSK	20350	50RB#0	21.48	PASS
Band4	10MHz	16QAM	20350	50RB#0	20.49	PASS
Band4	15MHz	QPSK	20025	1RB#0	22.61	PASS
Band4	15MHz	16QAM	20025	1RB#0	21.59	PASS
Band4	15MHz	QPSK	20025	1RB#38	22.83	PASS
Band4	15MHz	16QAM	20025	1RB#38	21.78	PASS
Band4	15MHz	QPSK	20025	1RB#74	22.63	PASS
Band4	15MHz	16QAM	20025	1RB#74	21.64	PASS
Band4	15MHz	QPSK	20025	38RB#0	21.75	PASS
Band4	15MHz	16QAM	20025	38RB#0	21.74	PASS
Band4	15MHz	QPSK	20025	38RB#18	21.74	PASS
Band4	15MHz	16QAM	20025	38RB#18	21.73	PASS
Band4	15MHz	QPSK	20025	38RB#37	21.73	PASS
Band4	15MHz	16QAM	20025	38RB#37	21.73	PASS
Band4	15MHz	QPSK	20025	75RB#0	21.73	PASS
Band4	15MHz	16QAM	20025	75RB#0	20.67	PASS
Band4	15MHz	QPSK	20175	1RB#0	22.62	PASS
Band4	15MHz	16QAM	20175	1RB#0	21.79	PASS
Band4	15MHz	QPSK	20175	1RB#38	22.59	PASS
Band4	15MHz	16QAM	20175	1RB#38	21.75	PASS
Band4	15MHz	QPSK	20175	1RB#74	22.35	PASS
Band4	15MHz	16QAM	20175	1RB#74	21.51	PASS
Band4	15MHz	QPSK	20175	38RB#0	21.69	PASS
Band4	15MHz	16QAM	20175	38RB#0	21.69	PASS
Band4	15MHz	QPSK	20175	38RB#18	21.69	PASS
Band4	15MHz	16QAM	20175	38RB#18	21.69	PASS
Band4	15MHz	QPSK	20175	38RB#37	21.68	PASS
Band4	15MHz	16QAM	20175	38RB#37	21.69	PASS
Band4	15MHz	QPSK	20175	75RB#0	21.69	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



Band4	15MHz	16QAM	20175	75RB#0	20.64	PASS
Band4	15MHz	QPSK	20325	1RB#0	22.50	PASS
Band4	15MHz	16QAM	20325	1RB#0	21.30	PASS
Band4	15MHz	QPSK	20325	1RB#38	22.57	PASS
Band4	15MHz	16QAM	20325	1RB#38	21.32	PASS
Band4	15MHz	QPSK	20325	1RB#74	22.41	PASS
Band4	15MHz	16QAM	20325	1RB#74	21.21	PASS
Band4	15MHz	QPSK	20325	38RB#0	21.60	PASS
Band4	15MHz	16QAM	20325	38RB#0	21.57	PASS
Band4	15MHz	QPSK	20325	38RB#18	21.58	PASS
Band4	15MHz	16QAM	20325	38RB#18	21.62	PASS
Band4	15MHz	QPSK	20325	38RB#37	21.56	PASS
Band4	15MHz	16QAM	20325	38RB#37	21.61	PASS
Band4	15MHz	QPSK	20325	75RB#0	21.61	PASS
Band4	15MHz	16QAM	20325	75RB#0	20.57	PASS
Band4	20MHz	QPSK	20050	1RB#0	22.45	PASS
Band4	20MHz	16QAM	20050	1RB#0	21.36	PASS
Band4	20MHz	QPSK	20050	1RB#49	22.96	PASS
Band4	20MHz	16QAM	20050	1RB#49	21.81	PASS
Band4	20MHz	QPSK	20050	1RB#99	22.48	PASS
Band4	20MHz	16QAM	20050	1RB#99	21.33	PASS
Band4	20MHz	QPSK	20050	50RB#0	21.52	PASS
Band4	20MHz	16QAM	20050	50RB#0	20.56	PASS
Band4	20MHz	QPSK	20050	50RB#25	21.55	PASS
Band4	20MHz	16QAM	20050	50RB#25	20.46	PASS
Band4	20MHz	QPSK	20050	50RB#50	21.69	PASS
Band4	20MHz	16QAM	20050	50RB#50	20.67	PASS
Band4	20MHz	QPSK	20050	100RB#0	21.61	PASS
Band4	20MHz	16QAM	20050	100RB#0	20.62	PASS
Band4	20MHz	QPSK	20175	1RB#0	22.58	PASS
Band4	20MHz	16QAM	20175	1RB#0	21.62	PASS
Band4	20MHz	QPSK	20175	1RB#49	22.80	PASS
Band4	20MHz	16QAM	20175	1RB#49	21.90	PASS
Band4	20MHz	QPSK	20175	1RB#99	22.32	PASS
Band4	20MHz	16QAM	20175	1RB#99	21.37	PASS
Band4	20MHz	QPSK	20175	50RB#0	21.76	PASS
Band4	20MHz	16QAM	20175	50RB#0	20.80	PASS
Band4	20MHz	QPSK	20175	50RB#25	21.77	PASS
Band4	20MHz	16QAM	20175	50RB#25	20.80	PASS
Band4	20MHz	QPSK	20175	50RB#50	21.50	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



Band4	20MHz	16QAM	20175	50RB#50	20.58	PASS
Band4	20MHz	QPSK	20175	100RB#0	21.63	PASS
Band4	20MHz	16QAM	20175	100RB#0	20.66	PASS
Band4	20MHz	QPSK	20300	1RB#0	22.36	PASS
Band4	20MHz	16QAM	20300	1RB#0	21.17	PASS
Band4	20MHz	QPSK	20300	1RB#49	22.63	PASS
Band4	20MHz	16QAM	20300	1RB#49	21.45	PASS
Band4	20MHz	QPSK	20300	1RB#99	22.23	PASS
Band4	20MHz	16QAM	20300	1RB#99	21.06	PASS
Band4	20MHz	QPSK	20300	50RB#0	21.63	PASS
Band4	20MHz	16QAM	20300	50RB#0	20.70	PASS
Band4	20MHz	QPSK	20300	50RB#25	21.64	PASS
Band4	20MHz	16QAM	20300	50RB#25	20.69	PASS
Band4	20MHz	QPSK	20300	50RB#50	21.60	PASS
Band4	20MHz	16QAM	20300	50RB#50	20.61	PASS
Band4	20MHz	QPSK	20300	100RB#0	21.57	PASS
Band4	20MHz	16QAM	20300	100RB#0	20.59	PASS





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

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	4.37	13	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	5.46	13	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	5.07	13	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	5.90	13	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	4.94	13	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	5.97	13	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	5.35	13	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	6.17	13	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	4.55	13	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	5.62	13	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	5.11	13	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	5.95	13	PASS
Band4	3MHz	QPSK	19965	1RB#0	4.40	13	PASS
Band4	3MHz	16QAM	19965	1RB#0	5.31	13	PASS
Band4	3MHz	QPSK	19965	15RB#0	5.17	13	PASS
Band4	3MHz	16QAM	19965	15RB#0	5.97	13	PASS
Band4	3MHz	QPSK	20175	1RB#0	4.96	13	PASS
Band4	3MHz	16QAM	20175	1RB#0	5.85	13	PASS
Band4	3MHz	QPSK	20175	15RB#0	5.42	13	PASS
Band4	3MHz	16QAM	20175	15RB#0	6.22	13	PASS
Band4	3MHz	QPSK	20385	1RB#0	4.73	13	PASS
Band4	3MHz	16QAM	20385	1RB#0	5.62	13	PASS
Band4	3MHz	QPSK	20385	15RB#0	5.24	13	PASS
Band4	3MHz	16QAM	20385	15RB#0	6.06	13	PASS
Band4	5MHz	QPSK	19975	1RB#0	4.58	13	PASS
Band4	5MHz	16QAM	19975	1RB#0	5.24	13	PASS
Band4	5MHz	QPSK	19975	25RB#0	5.38	13	PASS
Band4	5MHz	16QAM	19975	25RB#0	6.07	13	PASS
Band4	5MHz	QPSK	20175	1RB#0	5.06	13	PASS
Band4	5MHz	16QAM	20175	1RB#0	5.60	13	PASS
Band4	5MHz	QPSK	20175	25RB#0	5.57	13	PASS
Band4	5MHz	16QAM	20175	25RB#0	6.24	13	PASS
Band4	5MHz	QPSK	20375	1RB#0	4.96	13	PASS
Band4	5MHz	16QAM	20375	1RB#0	5.53	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



Band4	5MHz	QPSK	20375	25RB#0	5.48	13	PASS
Band4	5MHz	16QAM	20375	25RB#0	6.17	13	PASS
Band4	10MHz	QPSK	20000	1RB#0	4.46	13	PASS
Band4	10MHz	16QAM	20000	1RB#0	5.38	13	PASS
Band4	10MHz	QPSK	20000	50RB#0	5.31	13	PASS
Band4	10MHz	16QAM	20000	50RB#0	6.04	13	PASS
Band4	10MHz	QPSK	20175	1RB#0	4.86	13	PASS
Band4	10MHz	16QAM	20175	1RB#0	5.79	13	PASS
Band4	10MHz	QPSK	20175	50RB#0	5.54	13	PASS
Band4	10MHz	16QAM	20175	50RB#0	6.26	13	PASS
Band4	10MHz	QPSK	20350	1RB#0	4.92	13	PASS
Band4	10MHz	16QAM	20350	1RB#0	5.69	13	PASS
Band4	10MHz	QPSK	20350	50RB#0	5.49	13	PASS
Band4	10MHz	16QAM	20350	50RB#0	6.25	13	PASS
Band4	15MHz	QPSK	20025	1RB#0	4.49	13	PASS
Band4	15MHz	16QAM	20025	1RB#0	5.43	13	PASS
Band4	15MHz	QPSK	20025	75RB#0	5.57	13	PASS
Band4	15MHz	16QAM	20025	75RB#0	6.13	13	PASS
Band4	15MHz	QPSK	20175	1RB#0	4.77	13	PASS
Band4	15MHz	16QAM	20175	1RB#0	5.66	13	PASS
Band4	15MHz	QPSK	20175	75RB#0	5.84	13	PASS
Band4	15MHz	16QAM	20175	75RB#0	6.35	13	PASS
Band4	15MHz	QPSK	20325	1RB#0	5.00	13	PASS
Band4	15MHz	16QAM	20325	1RB#0	5.86	13	PASS
Band4	15MHz	QPSK	20325	75RB#0	5.80	13	PASS
Band4	15MHz	16QAM	20325	75RB#0	6.31	13	PASS
Band4	20MHz	QPSK	20050	1RB#0	4.41	13	PASS
Band4	20MHz	16QAM	20050	1RB#0	5.15	13	PASS
Band4	20MHz	QPSK	20050	100RB#0	5.34	13	PASS
Band4	20MHz	16QAM	20050	100RB#0	6.11	13	PASS
Band4	20MHz	QPSK	20175	1RB#0	4.58	13	PASS
Band4	20MHz	16QAM	20175	1RB#0	5.30	13	PASS
Band4	20MHz	QPSK	20175	100RB#0	5.53	13	PASS
Band4	20MHz	16QAM	20175	100RB#0	6.28	13	PASS
Band4	20MHz	QPSK	20300	1RB#0	5.12	13	PASS
Band4	20MHz	16QAM	20300	1RB#0	6.05	13	PASS
Band4	20MHz	QPSK	20300	100RB#0	5.62	13	PASS
Band4	20MHz	16QAM	20300	100RB#0	6.28	13	PASS



Shenzhen LCS Compliance Testing Laboratory Ltd.

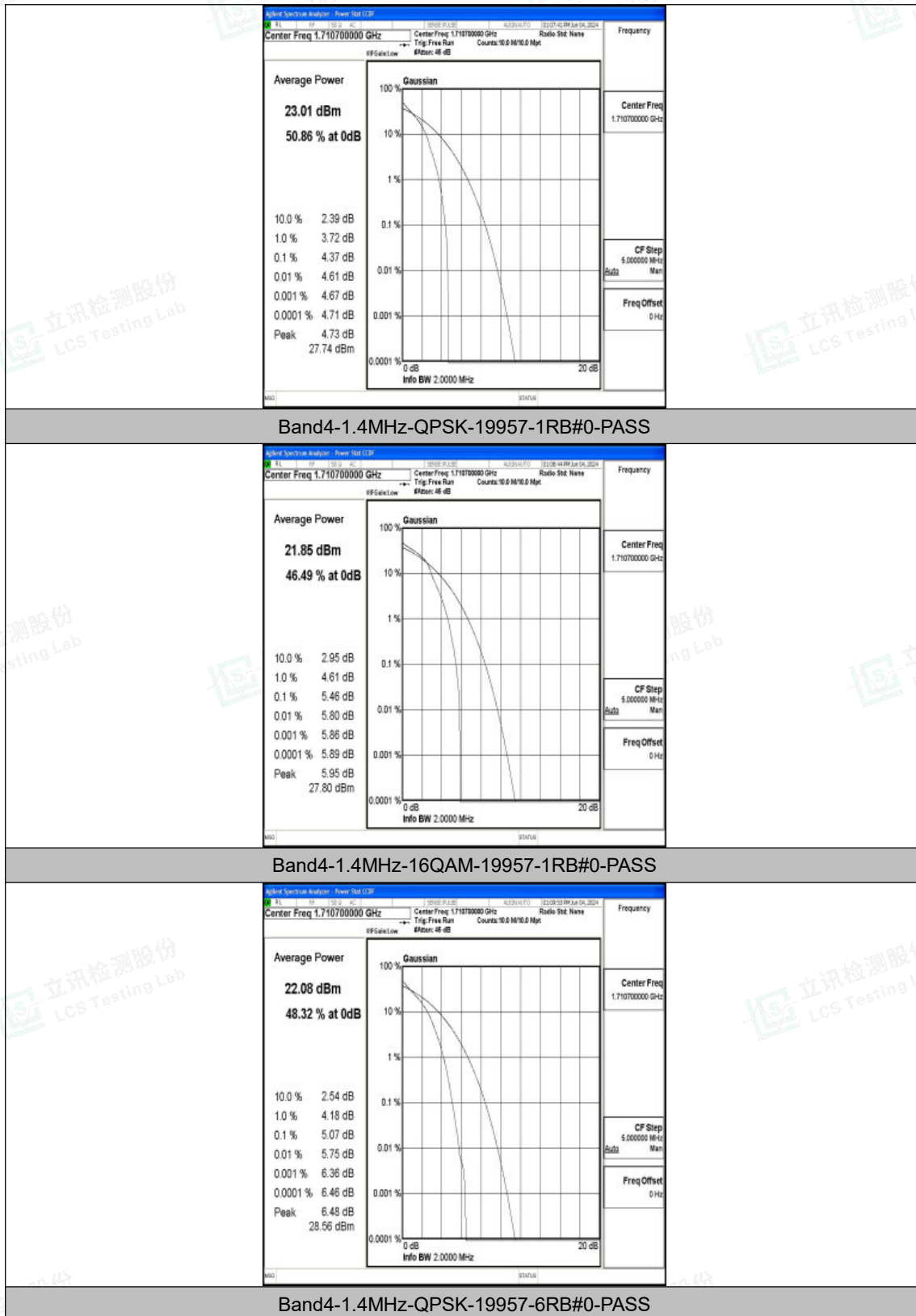
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

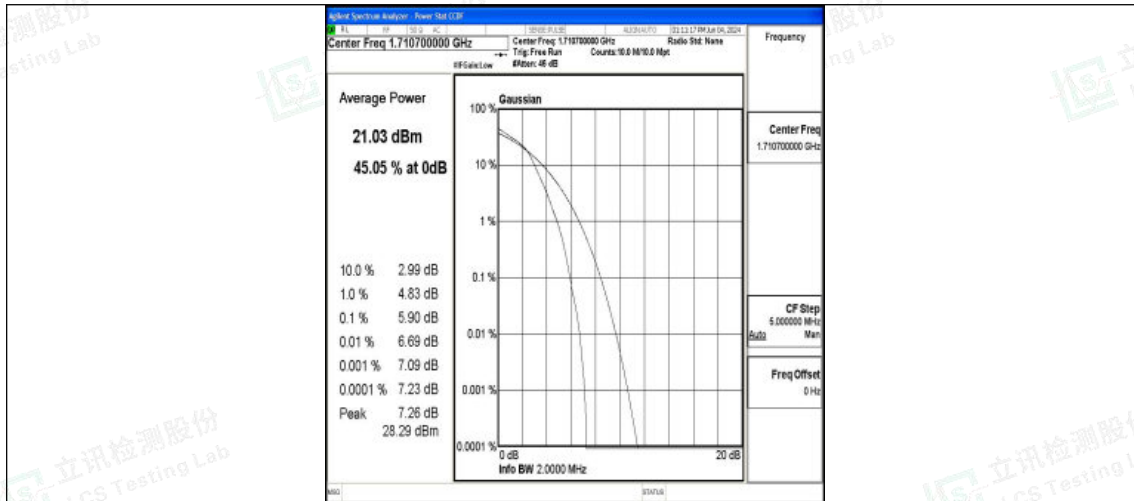
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

Scan code to check authenticity

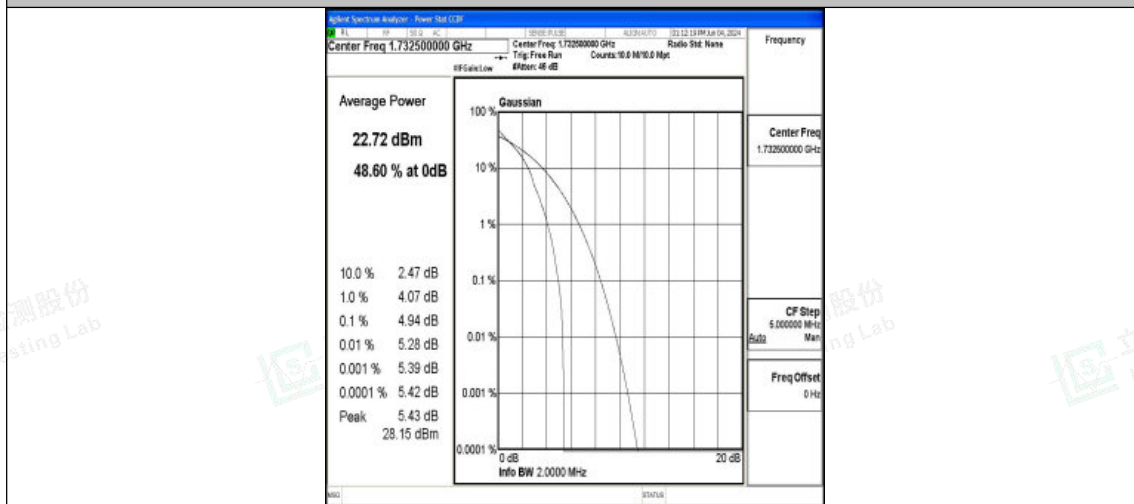


Test Graphs

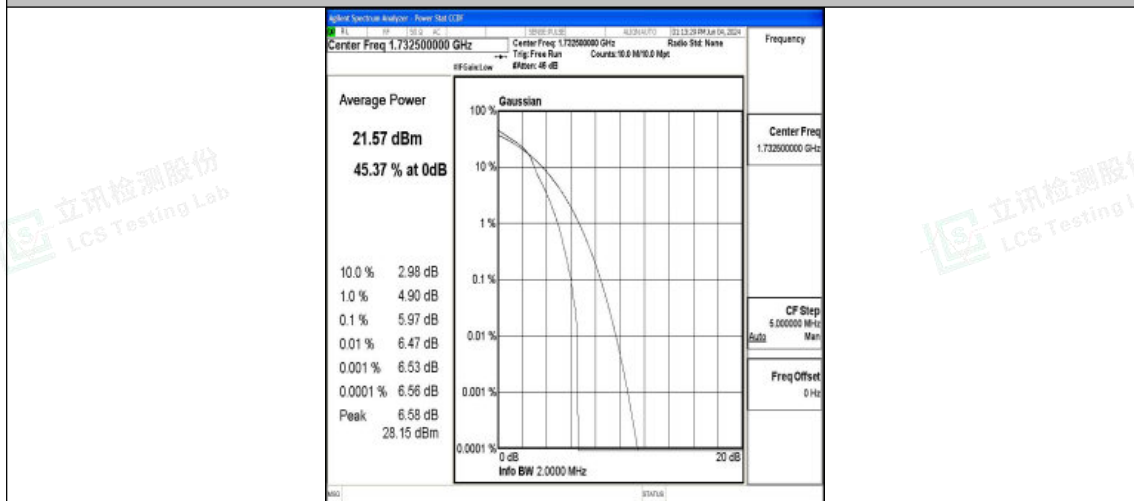




Band4-1.4MHz-16QAM-19957-6RB#0-PASS

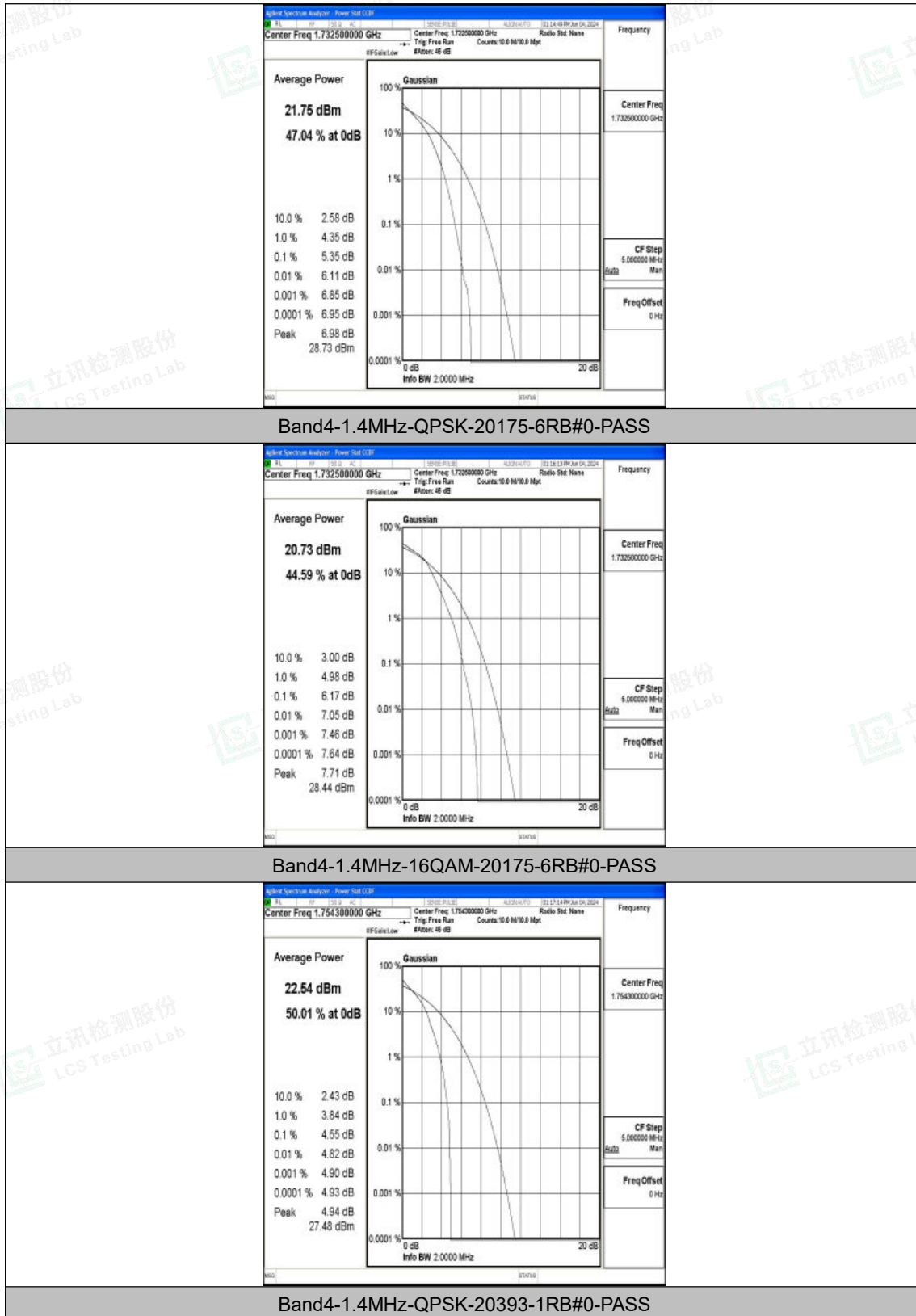


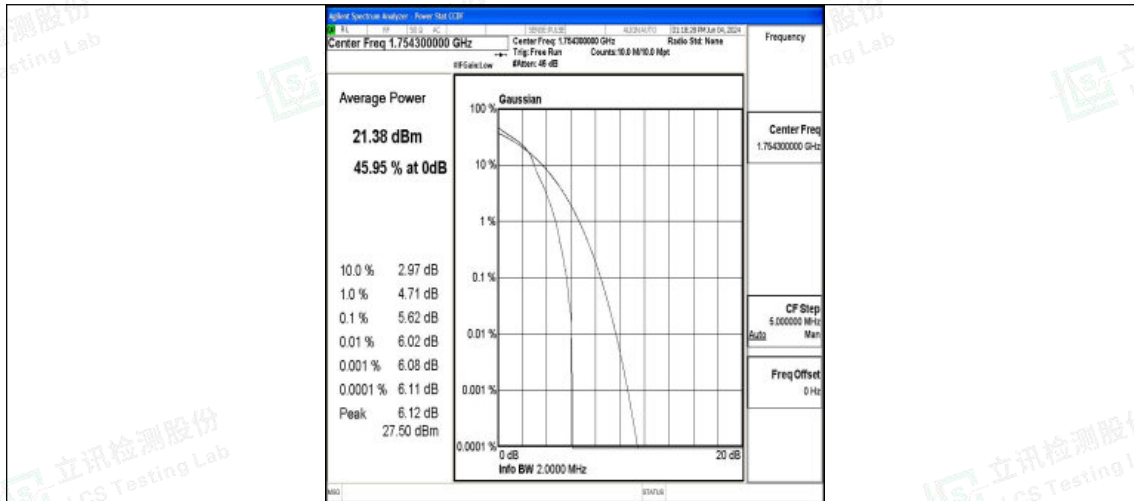
Band4-1.4MHz-QPSK-20175-1RB#0-PASS



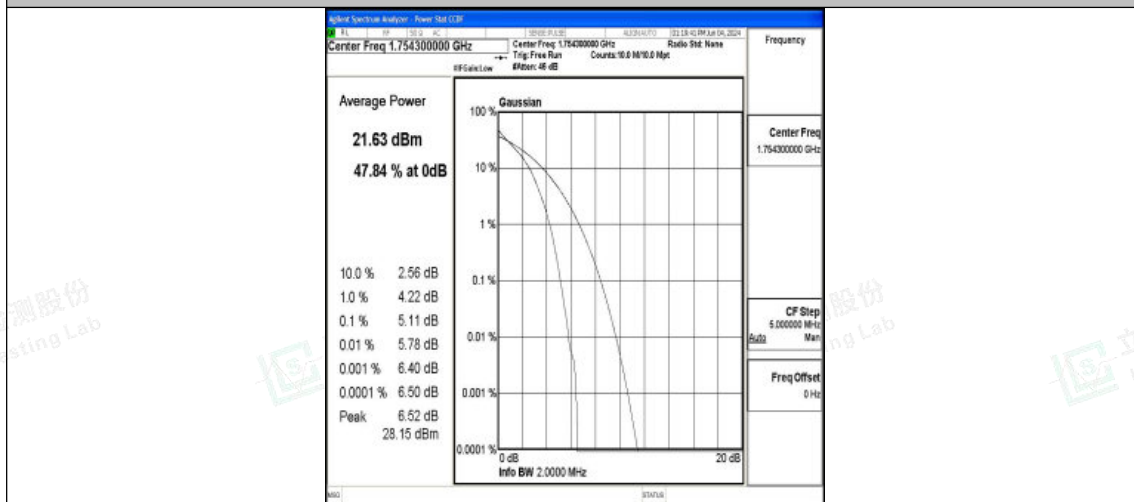
Band4-1.4MHz-16QAM-20175-1RB#0-PASS



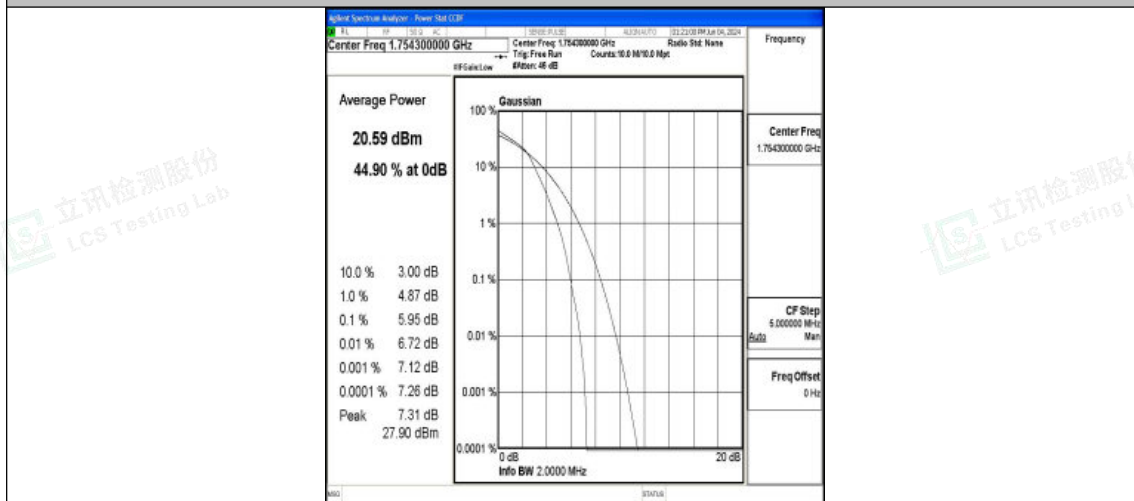




Band4-1.4MHz-16QAM-20393-1RB#0-PASS



Band4-1.4MHz-QPSK-20393-6RB#0-PASS



Band4-1.4MHz-16QAM-20393-6RB#0-PASS

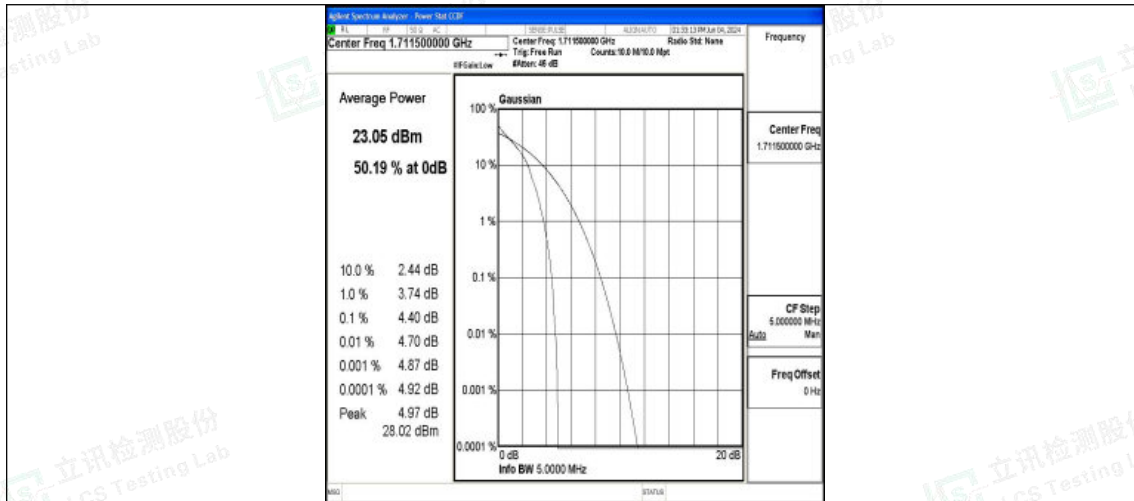


Shenzhen LCS Compliance Testing Laboratory Ltd.

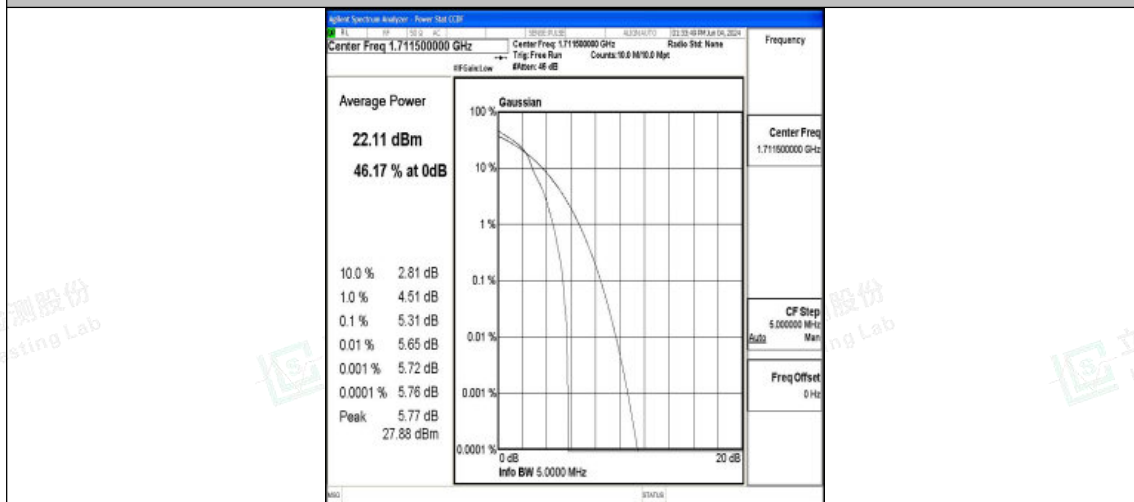
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

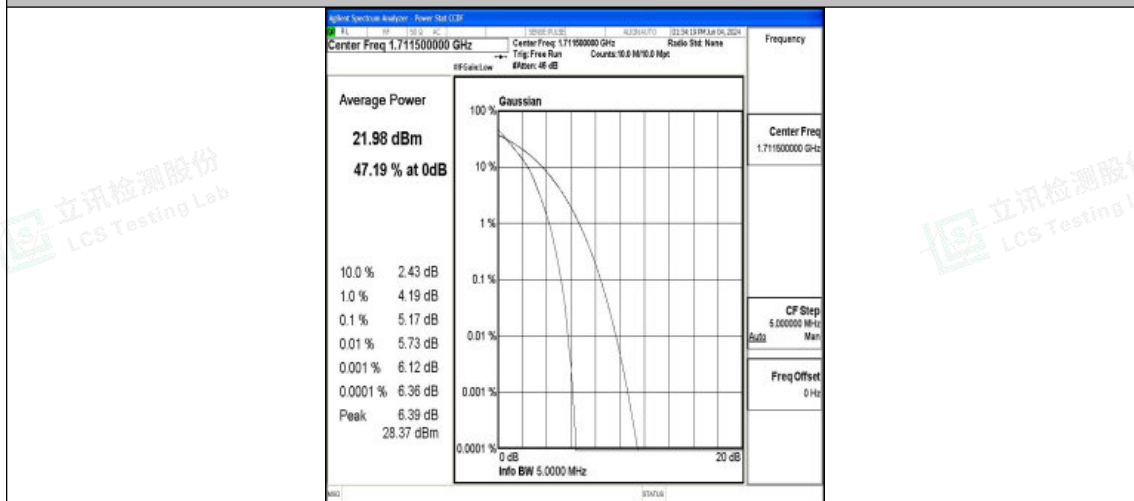
Scan code to check authenticity



Band4-3MHz-QPSK-19965-1RB#0-PASS



Band4-3MHz-16QAM-19965-1RB#0-PASS



Band4-3MHz-QPSK-19965-15RB#0-PASS

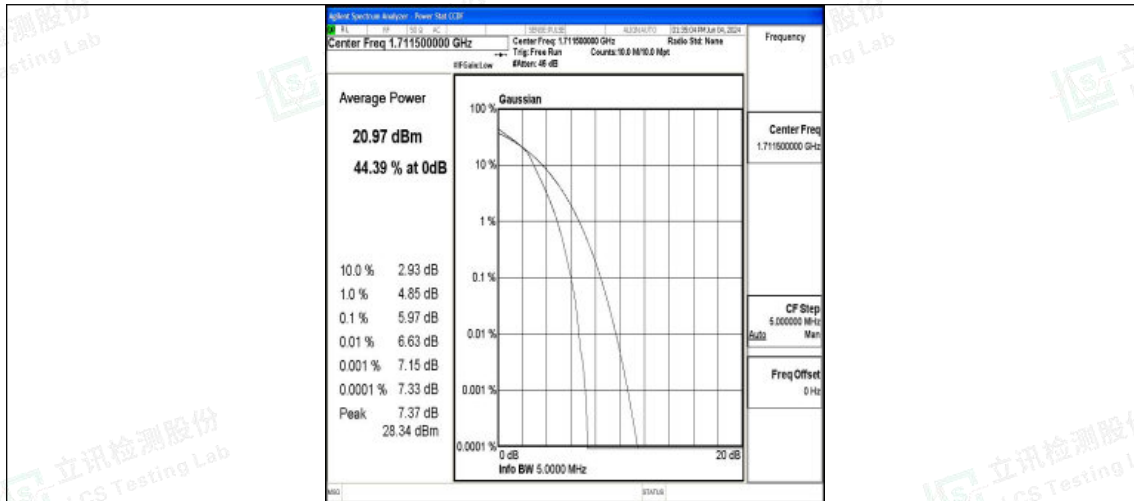


Shenzhen LCS Compliance Testing Laboratory Ltd.

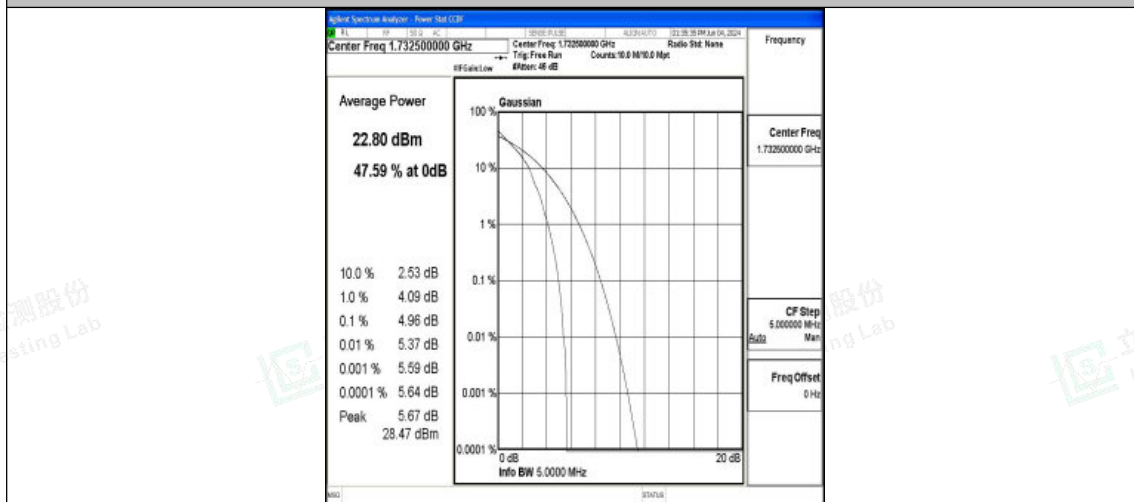
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

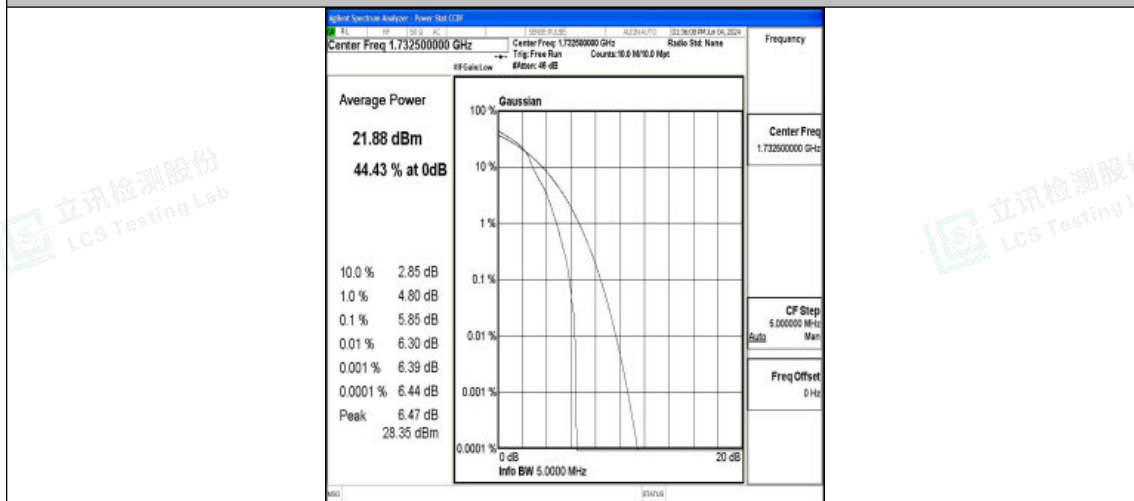
Scan code to check authenticity



Band4-3MHz-16QAM-19965-15RB#0-PASS



Band4-3MHz-QPSK-20175-1RB#0-PASS



Band4-3MHz-16QAM-20175-1RB#0-PASS

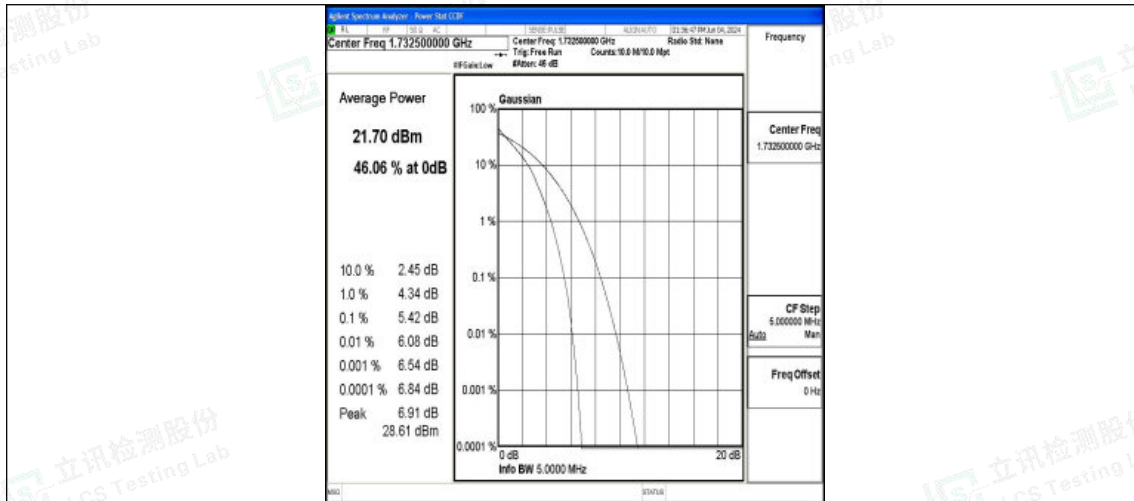


Shenzhen LCS Compliance Testing Laboratory Ltd.

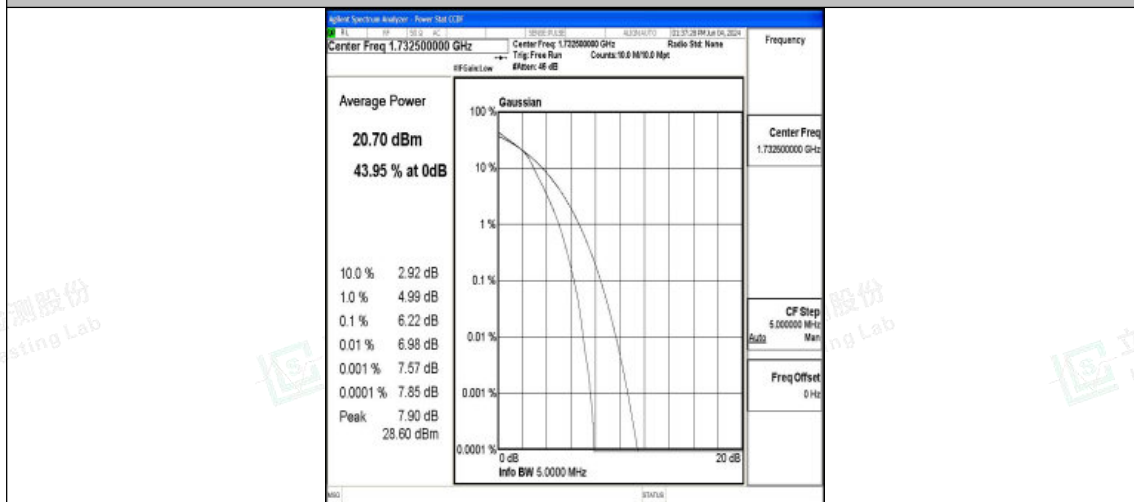
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

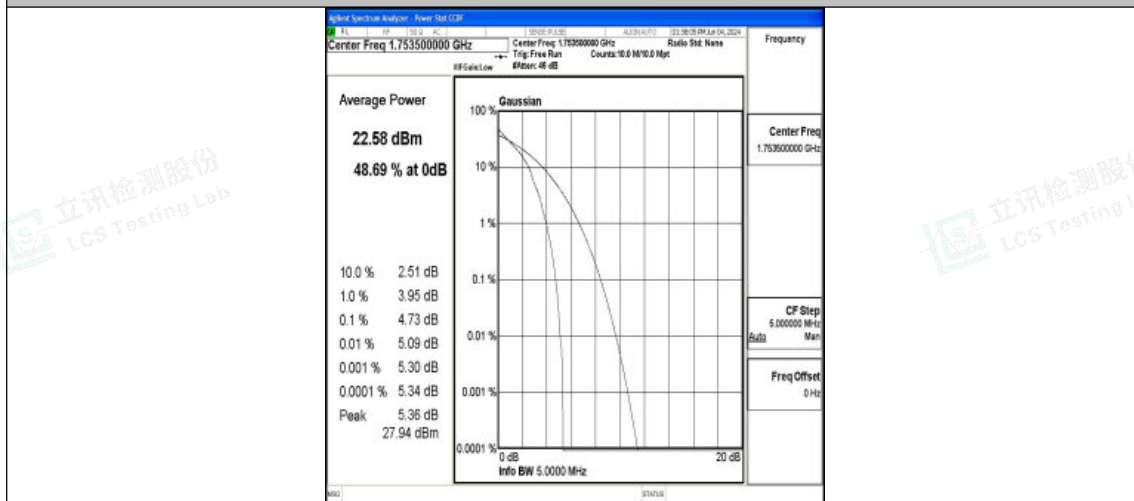
Scan code to check authenticity



Band4-3MHz-QPSK-20175-15RB#0-PASS



Band4-3MHz-16QAM-20175-15RB#0-PASS



Band4-3MHz-QPSK-20385-1RB#0-PASS

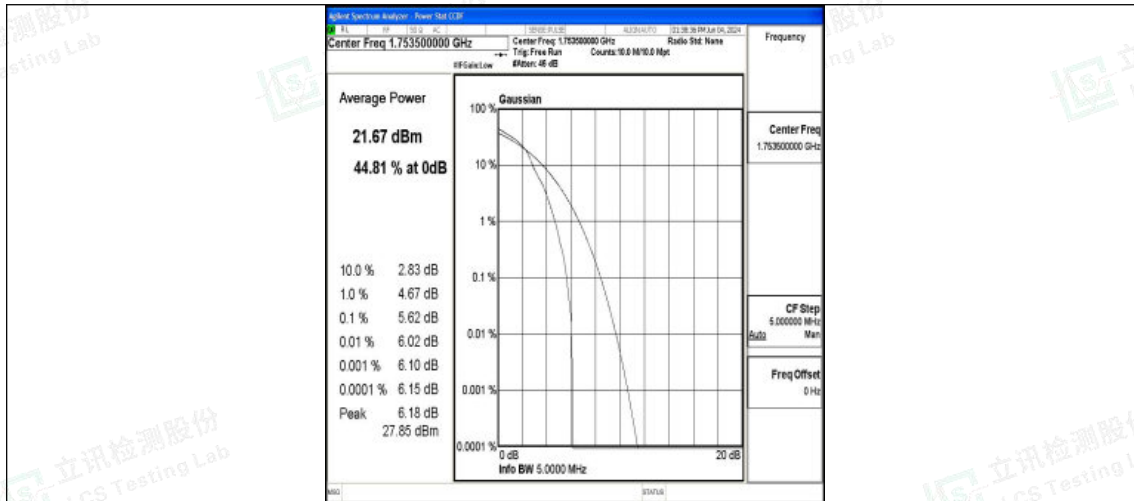


Shenzhen LCS Compliance Testing Laboratory Ltd.

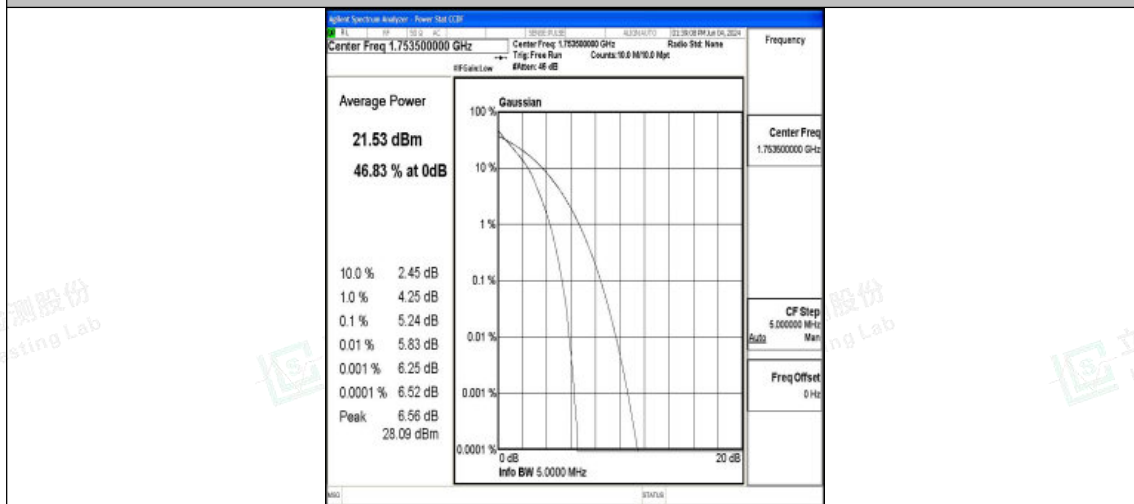
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

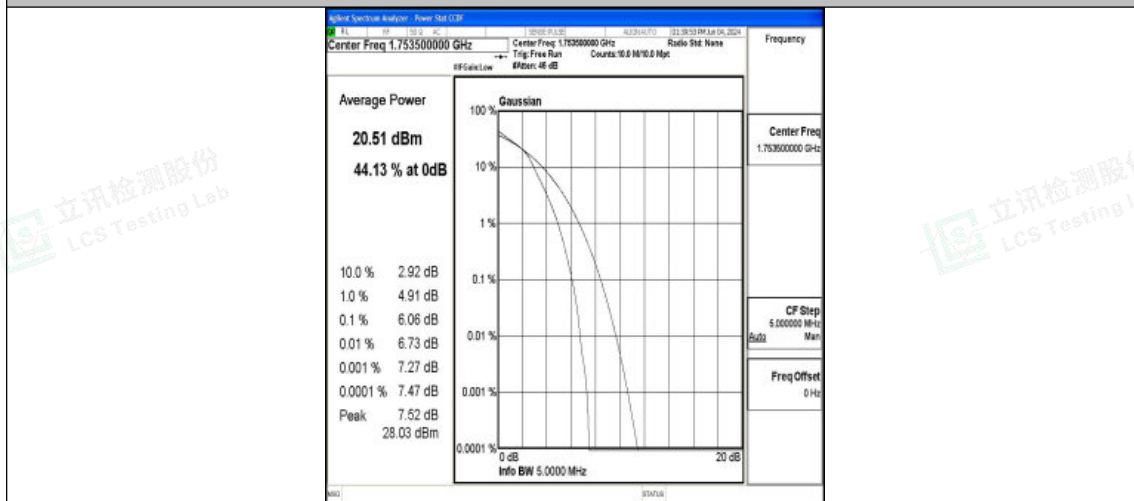
Scan code to check authenticity



Band4-3MHz-16QAM-20385-1RB#0-PASS

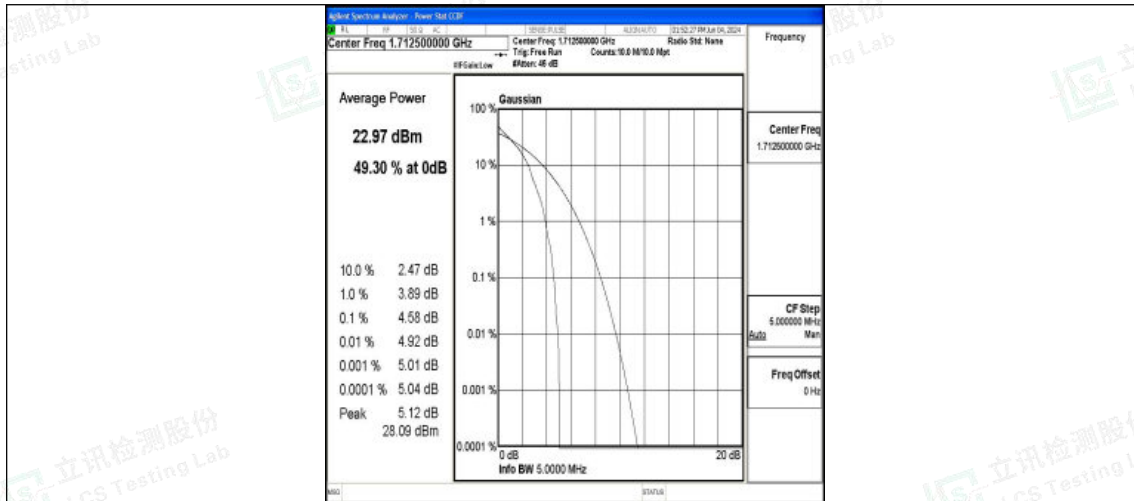


Band4-3MHz-QPSK-20385-15RB#0-PASS

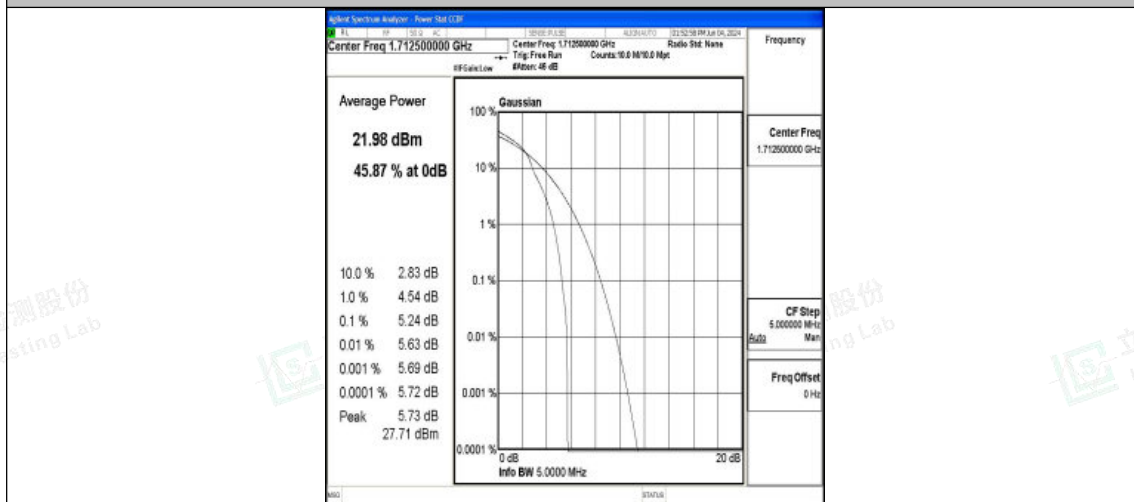


Band4-3MHz-16QAM-20385-15RB#0-PASS

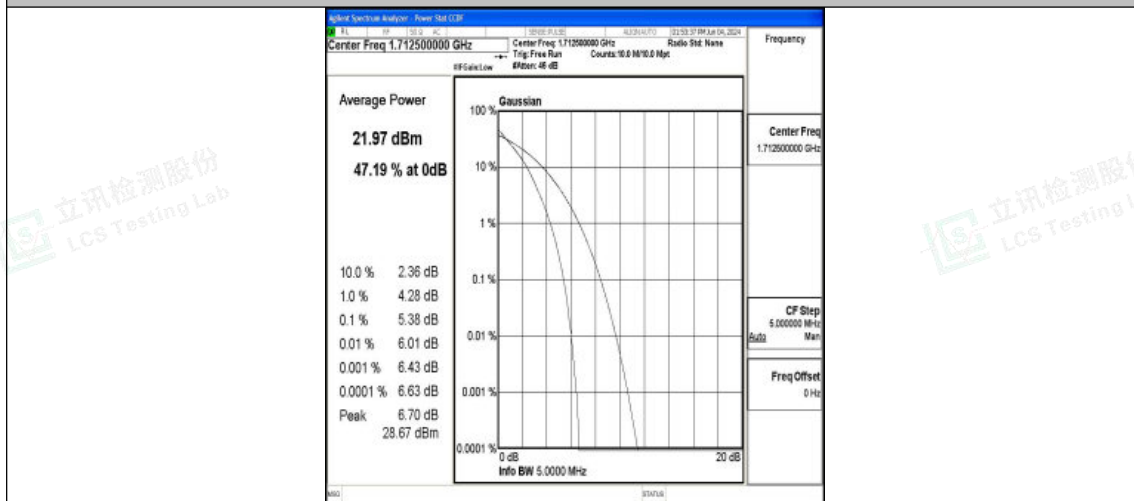




Band4-5MHz-QPSK-19975-1RB#0-PASS



Band4-5MHz-16QAM-19975-1RB#0-PASS



Band4-5MHz-QPSK-19975-25RB#0-PASS

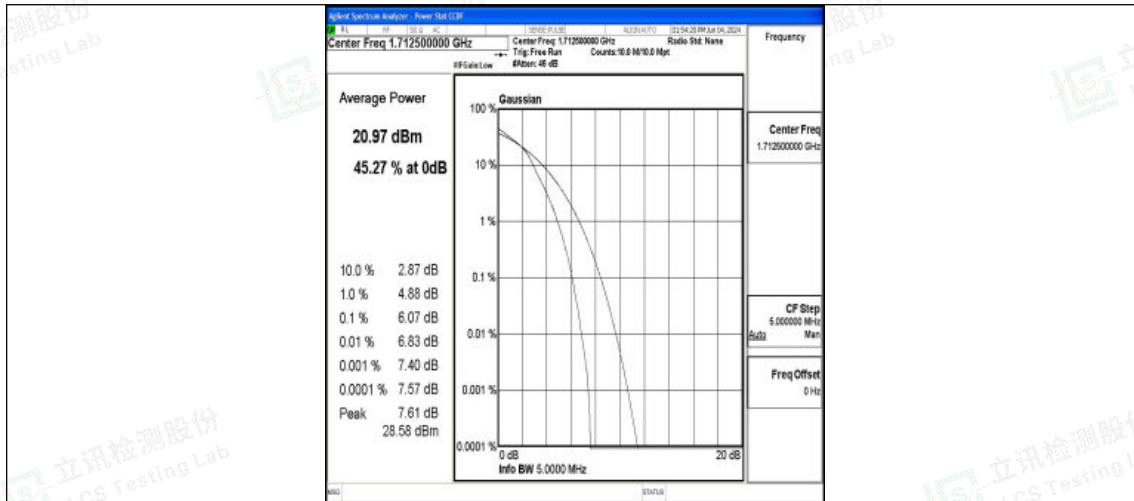


Shenzhen LCS Compliance Testing Laboratory Ltd.

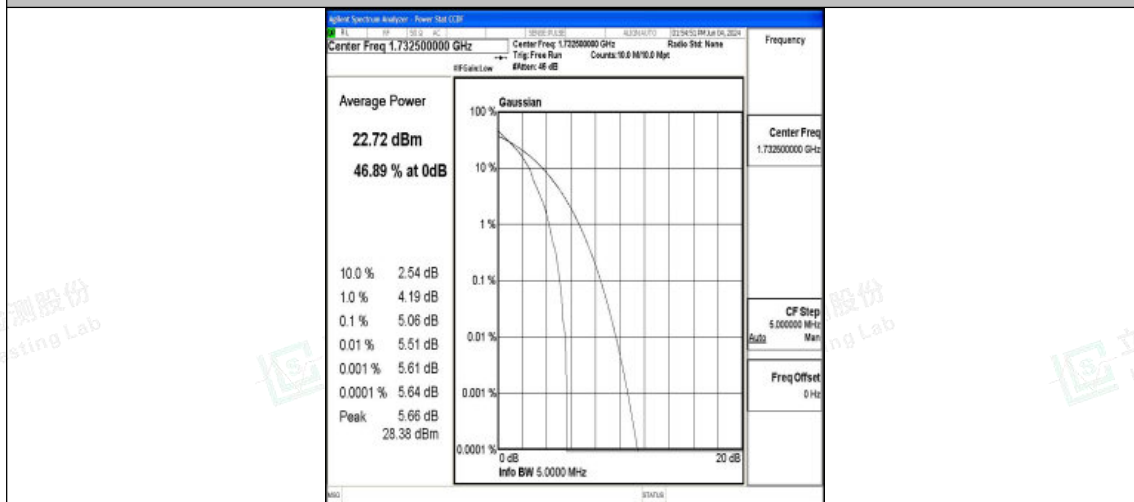
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

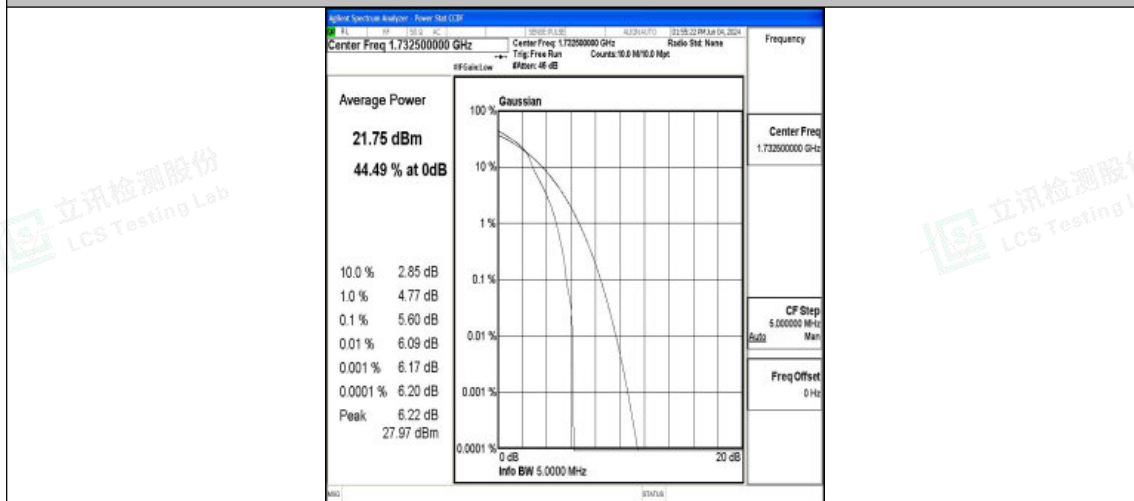
Scan code to check authenticity



Band4-5MHz-16QAM-19975-25RB#0-PASS

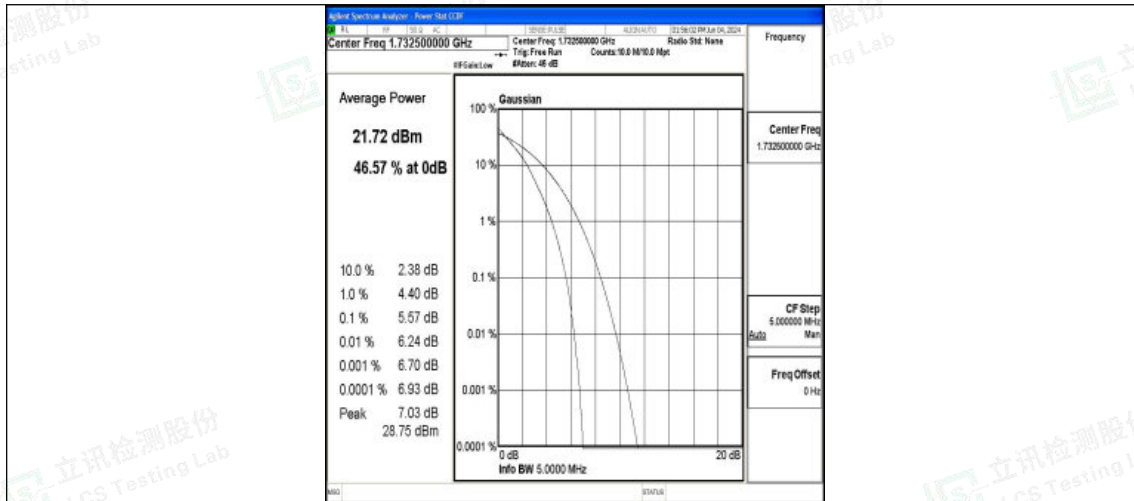


Band4-5MHz-QPSK-20175-1RB#0-PASS

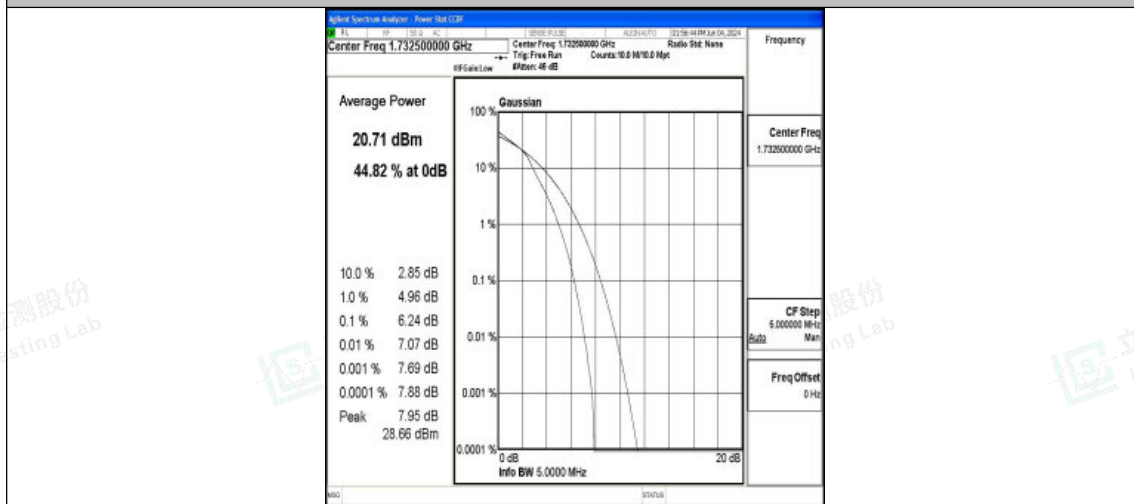


Band4-5MHz-16QAM-20175-1RB#0-PASS

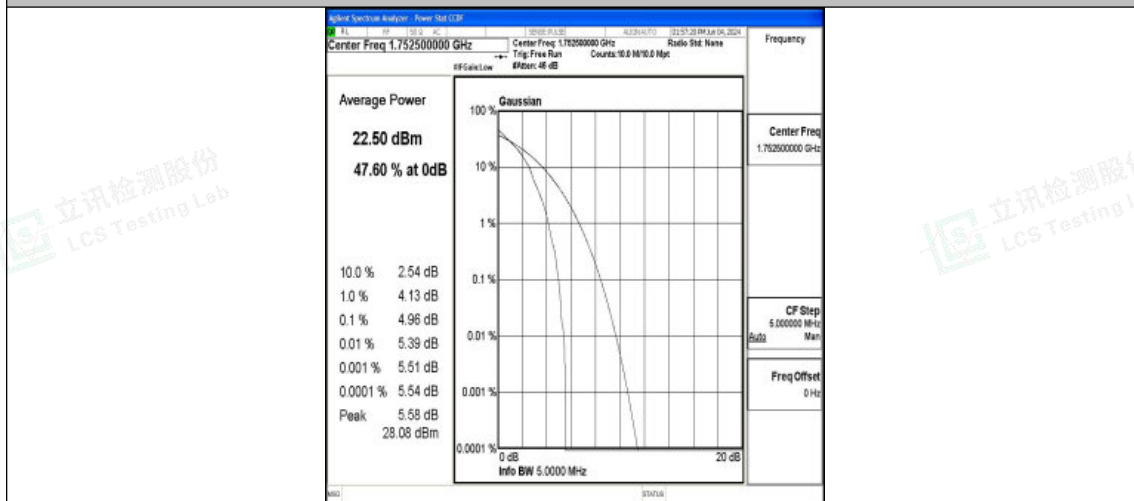




Band4-5MHz-QPSK-20175-25RB#0-PASS



Band4-5MHz-16QAM-20175-25RB#0-PASS



Band4-5MHz-QPSK-20375-1RB#0-PASS

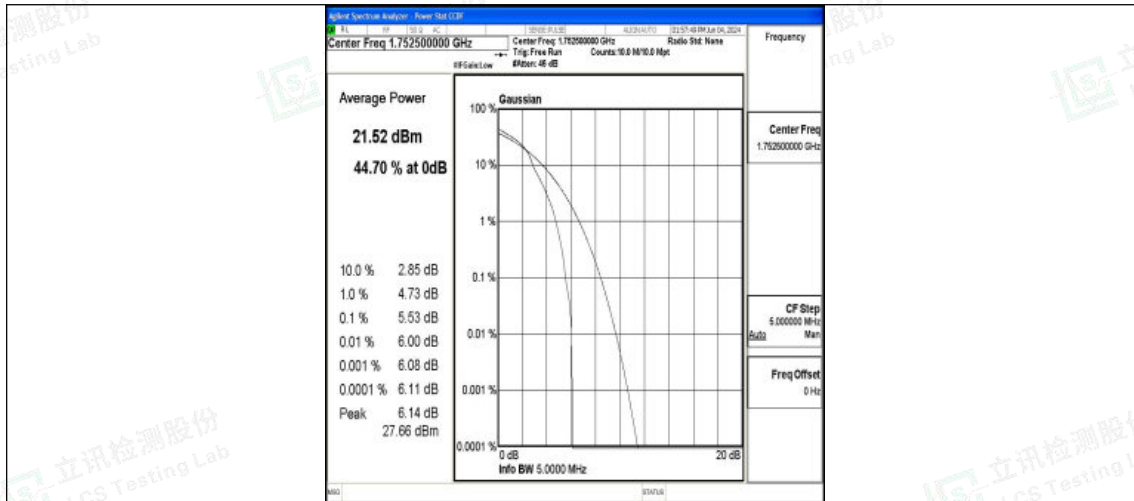


Shenzhen LCS Compliance Testing Laboratory Ltd.

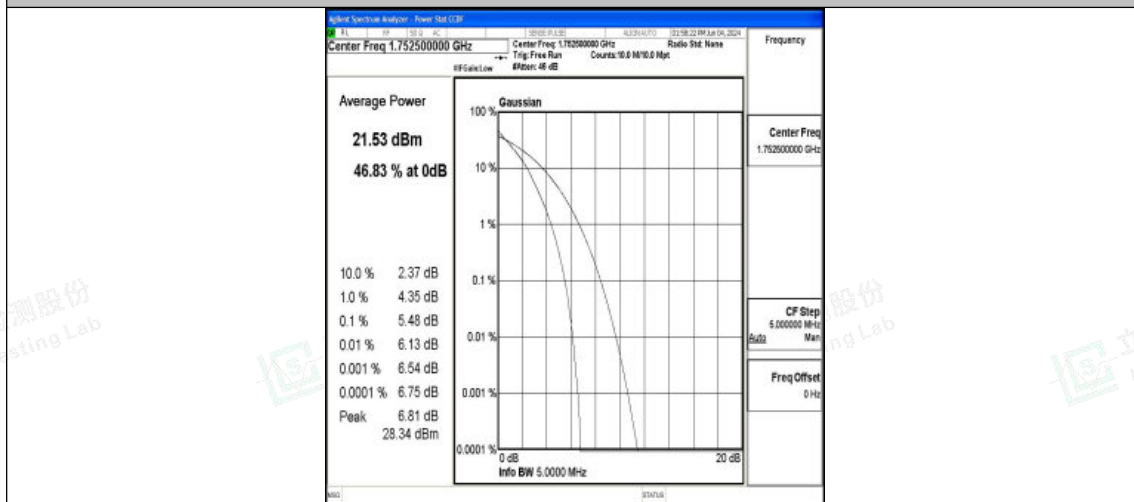
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

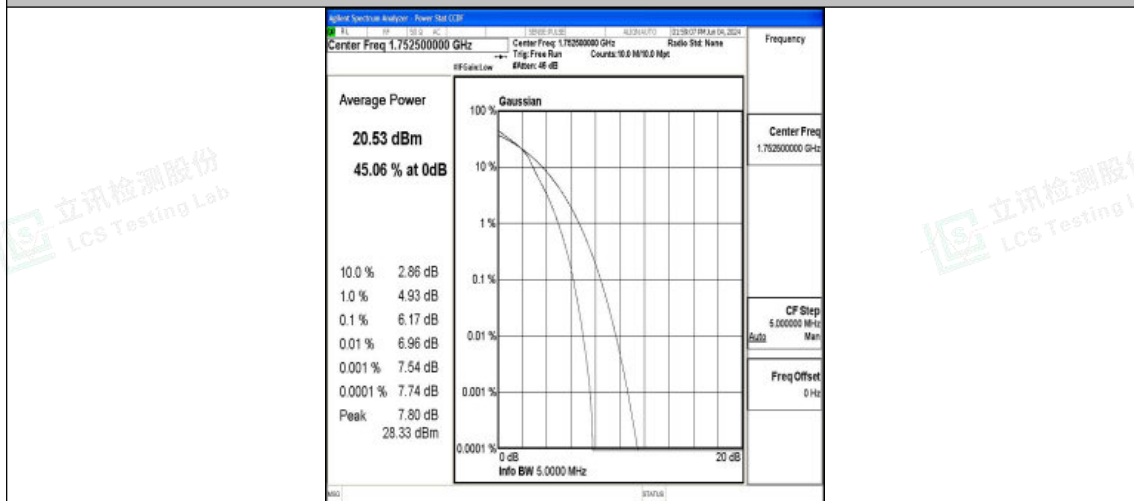
Scan code to check authenticity



Band4-5MHz-16QAM-20375-1RB#0-PASS



Band4-5MHz-QPSK-20375-25RB#0-PASS



Band4-5MHz-16QAM-20375-25RB#0-PASS

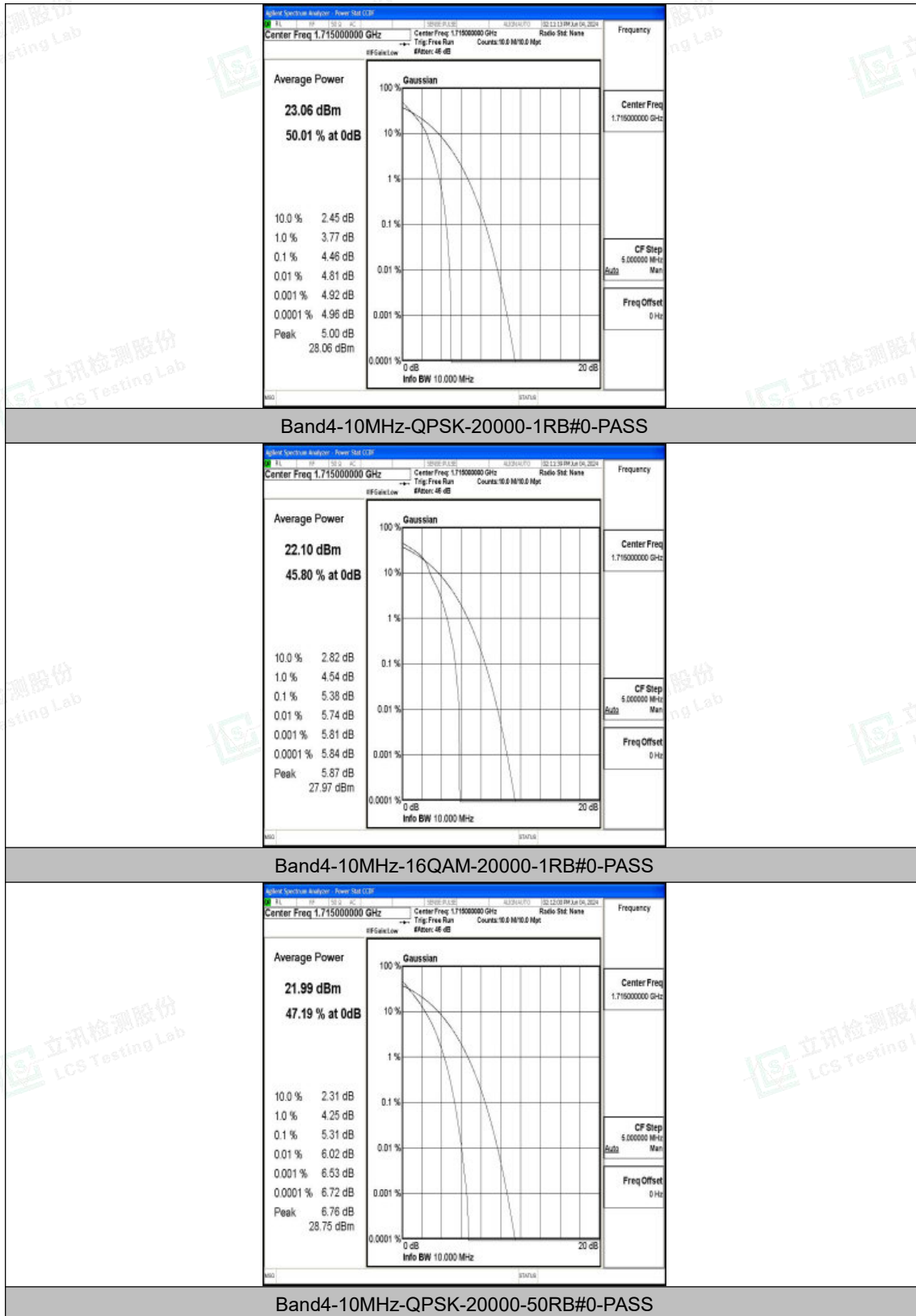


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

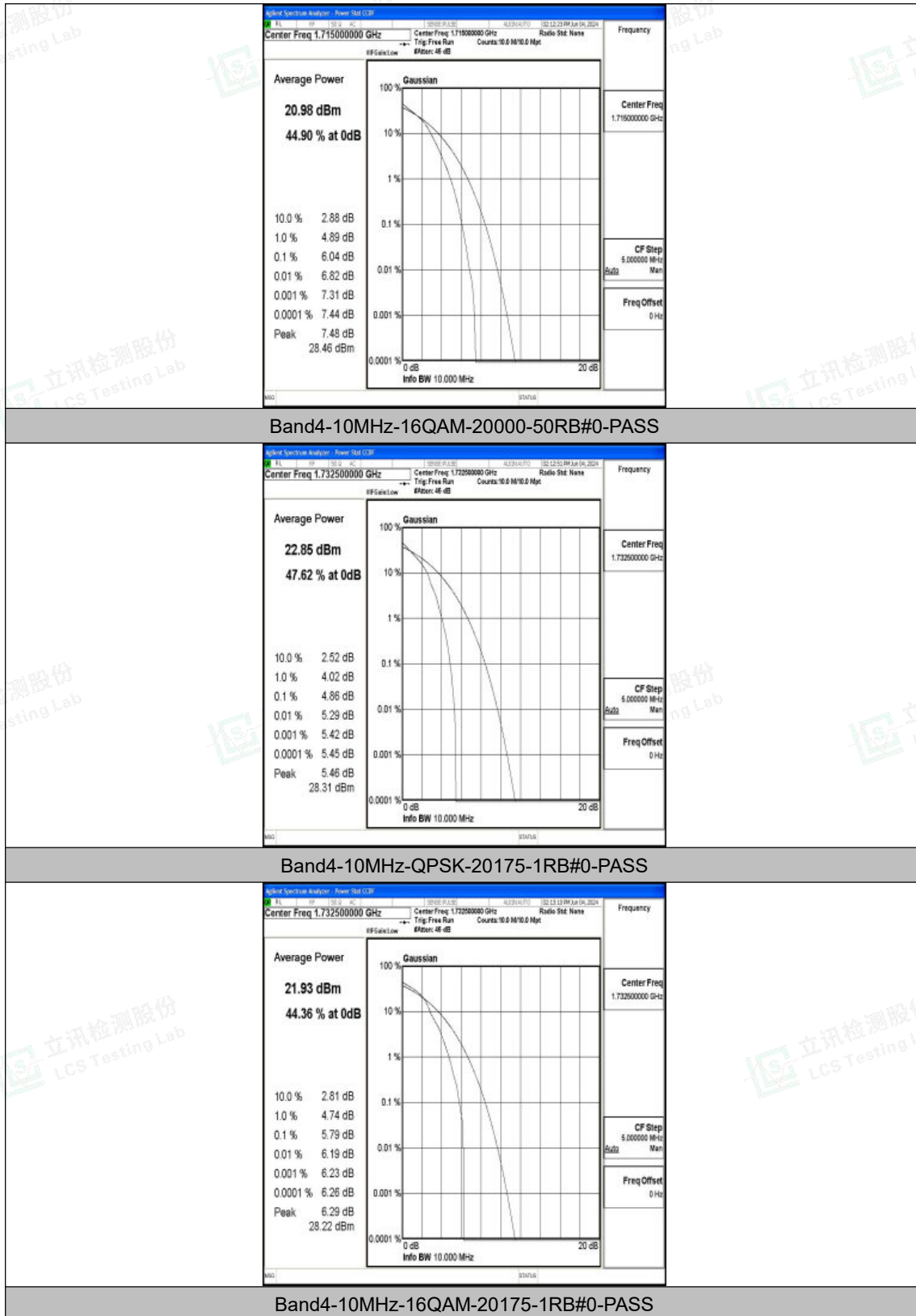


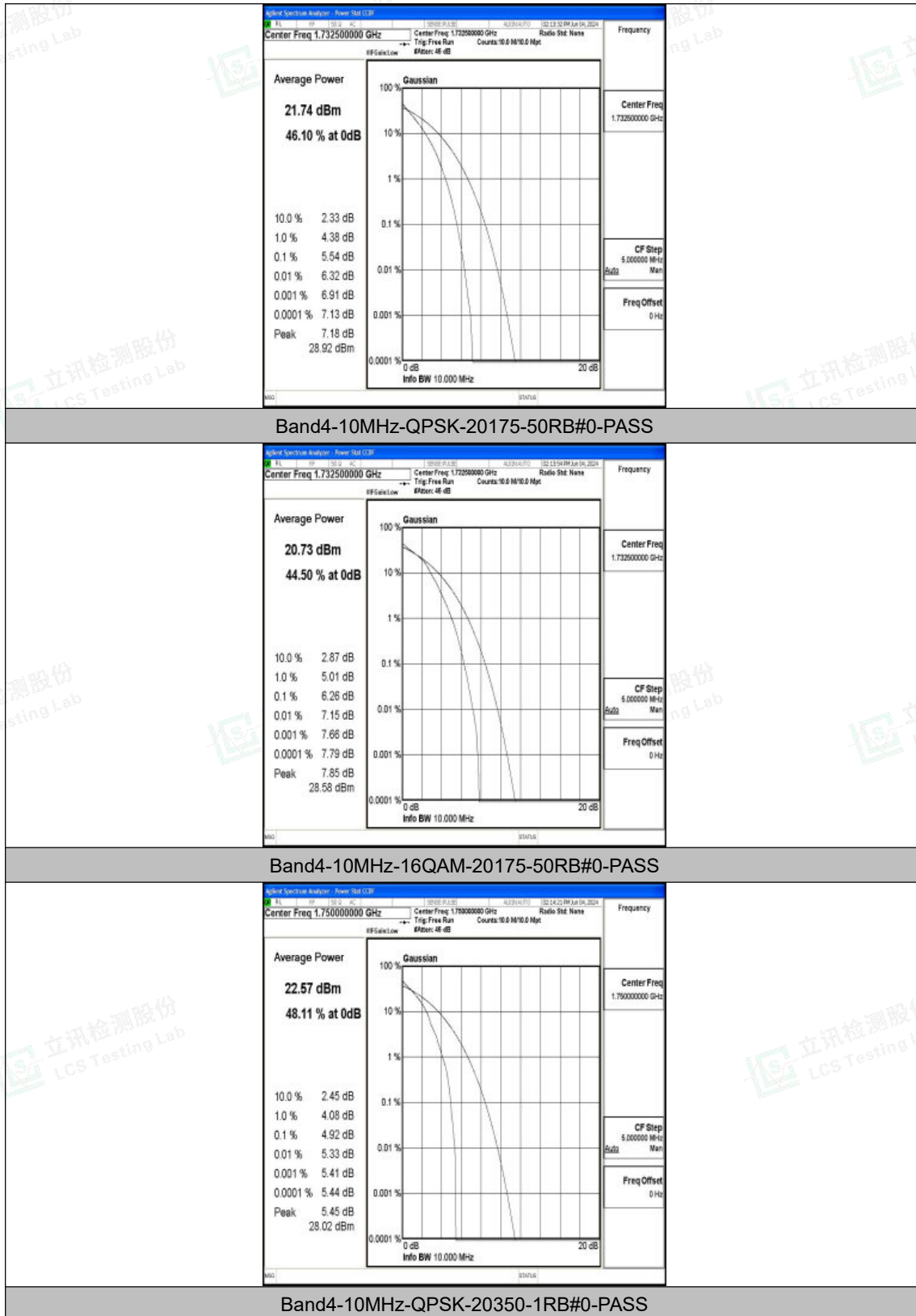
Shenzhen LCS Compliance Testing Laboratory Ltd.

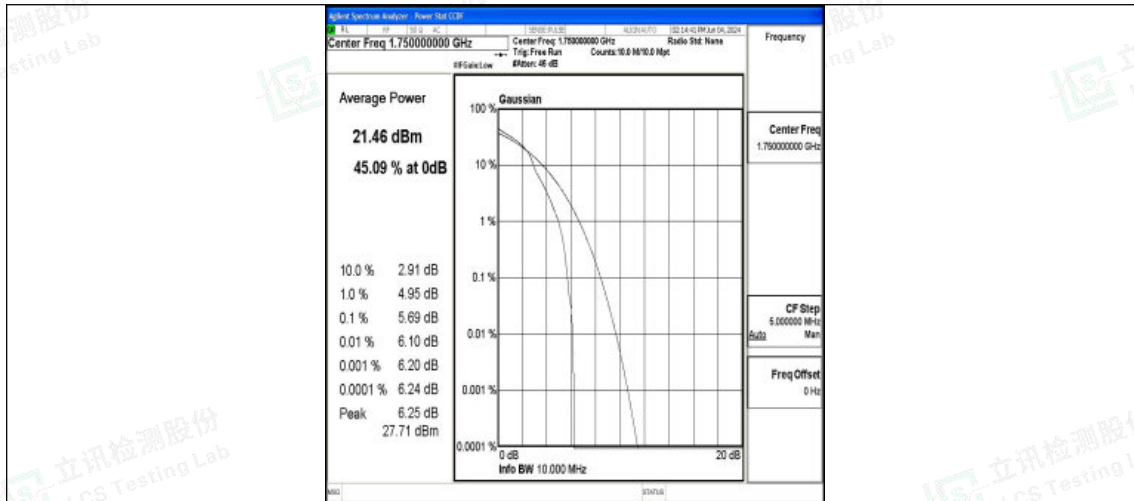
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

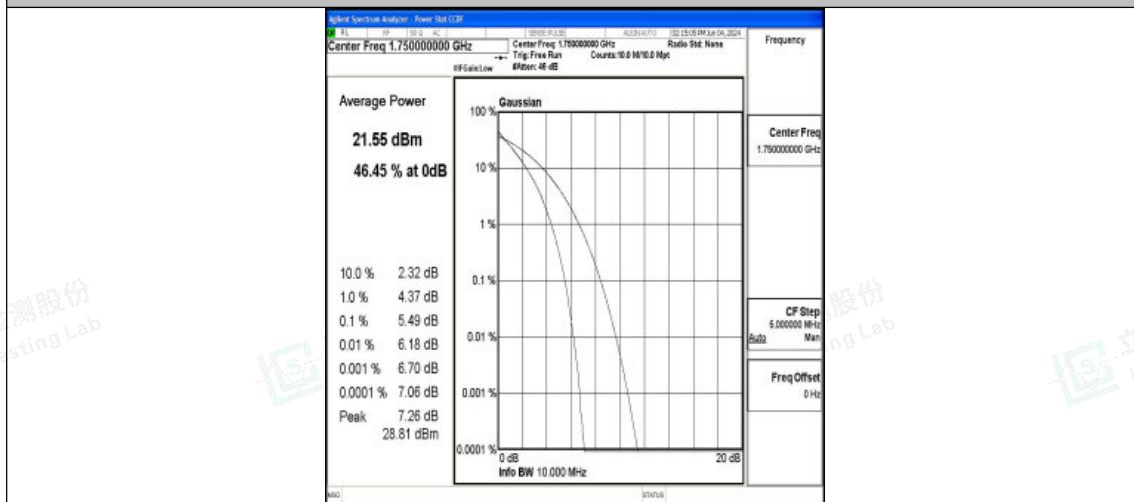
Scan code to check authenticity



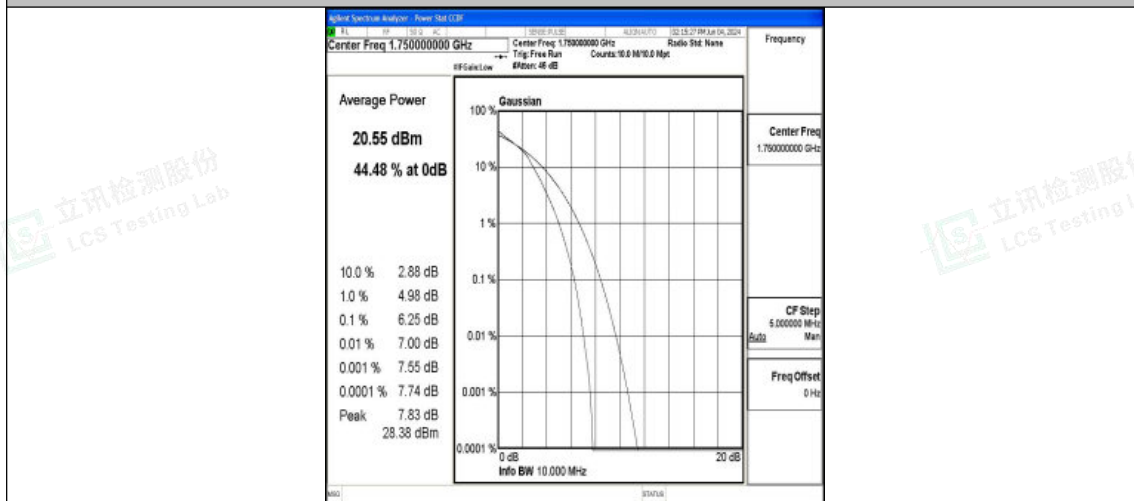




Band4-10MHz-16QAM-20350-1RB#0-PASS



Band4-10MHz-QPSK-20350-50RB#0-PASS



Band4-10MHz-16QAM-20350-50RB#0-PASS

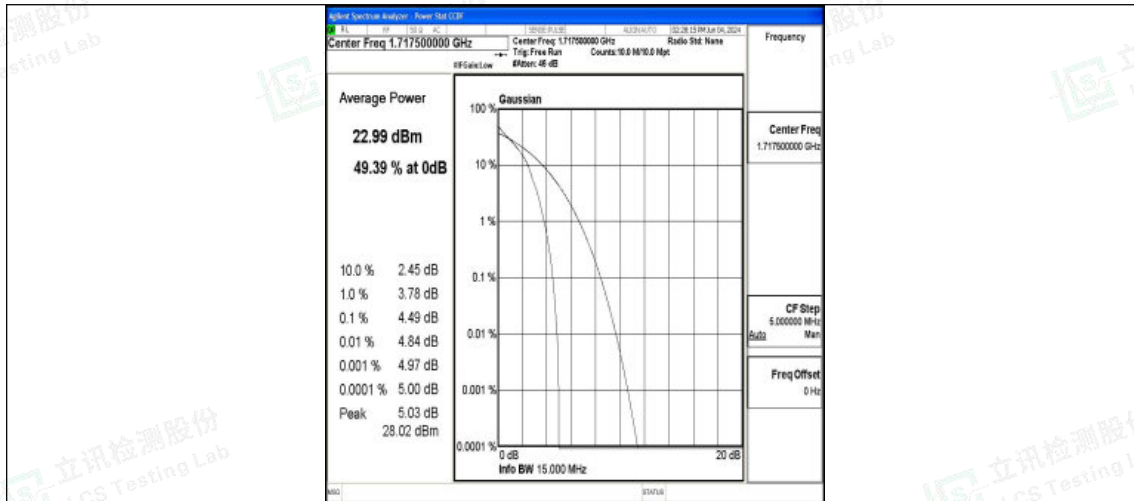


Shenzhen LCS Compliance Testing Laboratory Ltd.

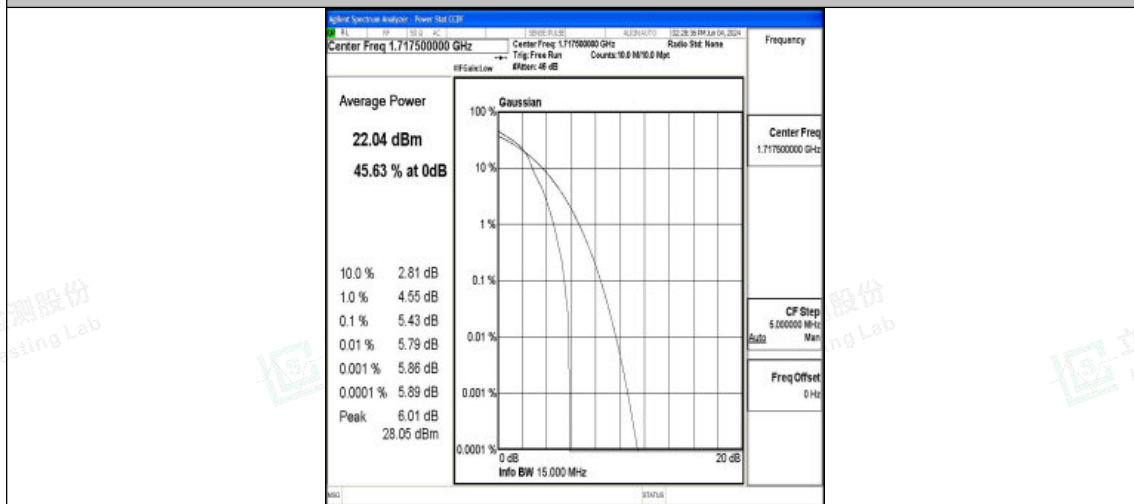
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

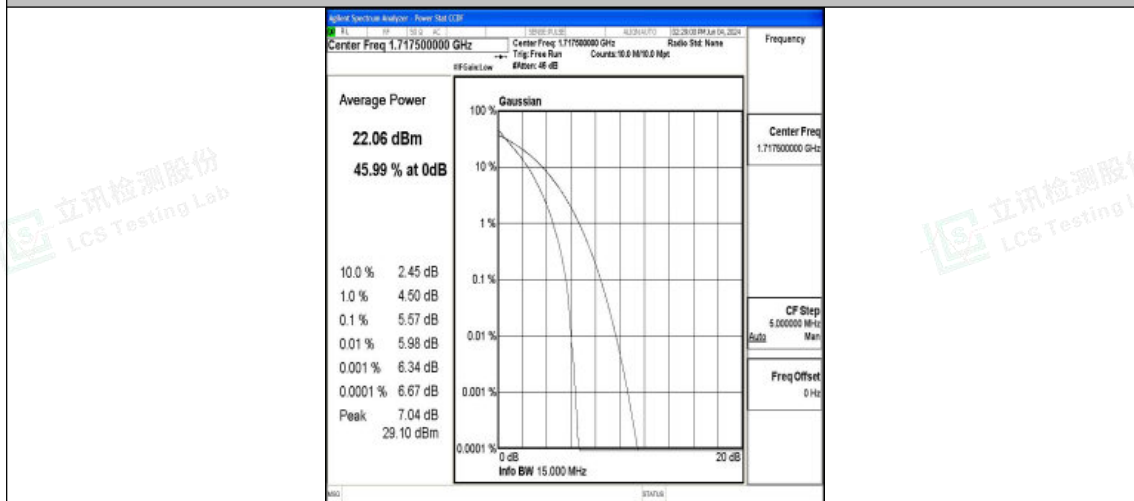
Scan code to check authenticity



Band4-15MHz-QPSK-20025-1RB#0-PASS



Band4-15MHz-16QAM-20025-1RB#0-PASS



Band4-15MHz-QPSK-20025-75RB#0-PASS

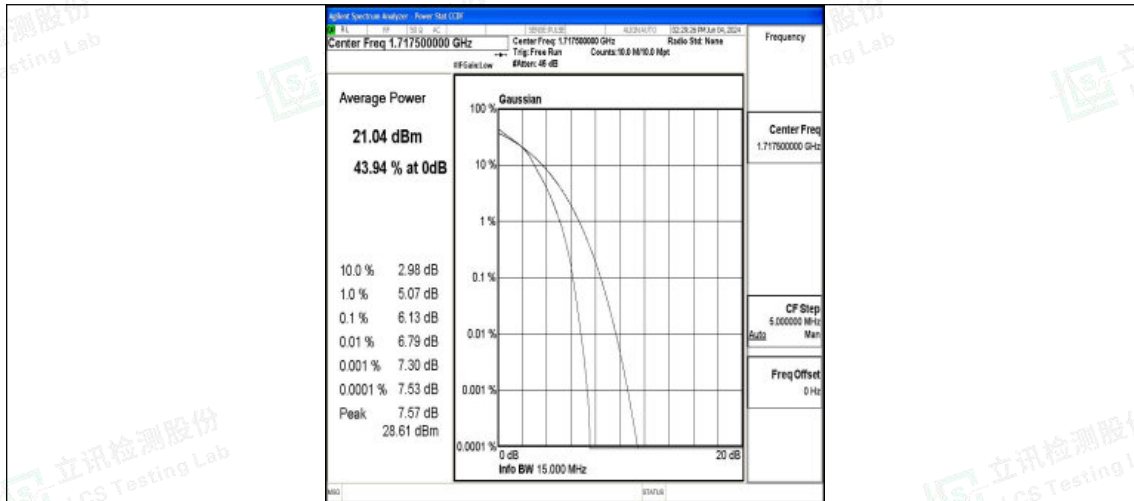


Shenzhen LCS Compliance Testing Laboratory Ltd.

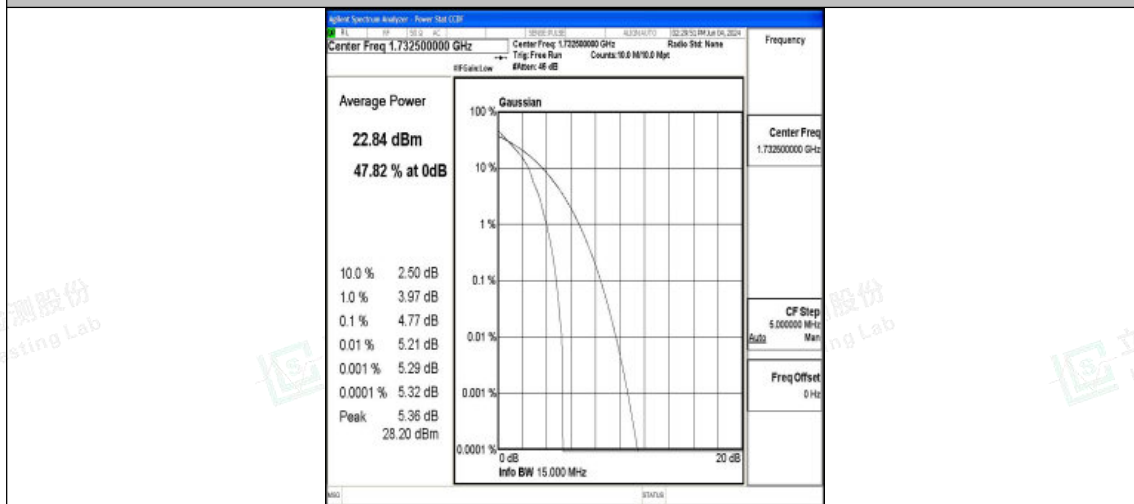
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

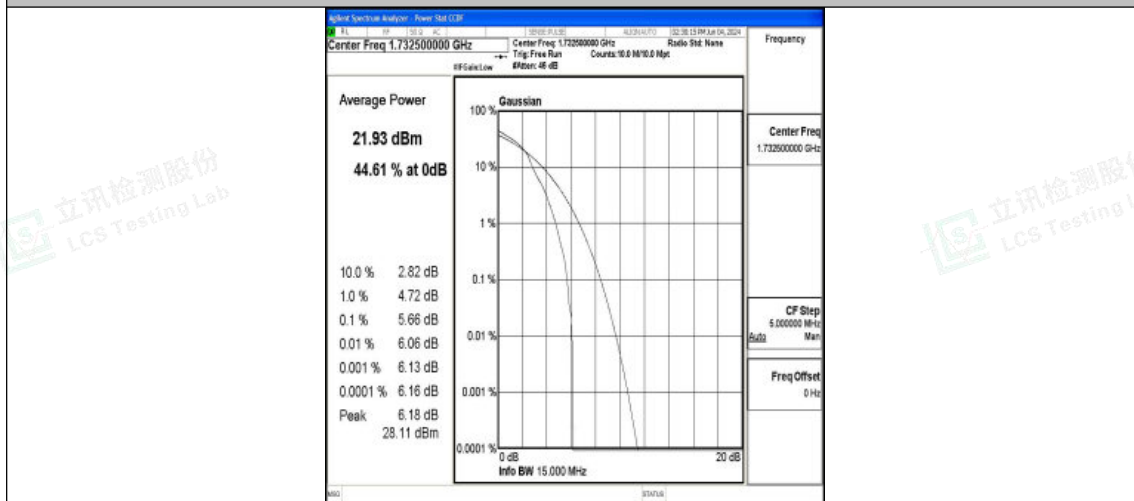
Scan code to check authenticity



Band4-15MHz-16QAM-20025-75RB#0-PASS

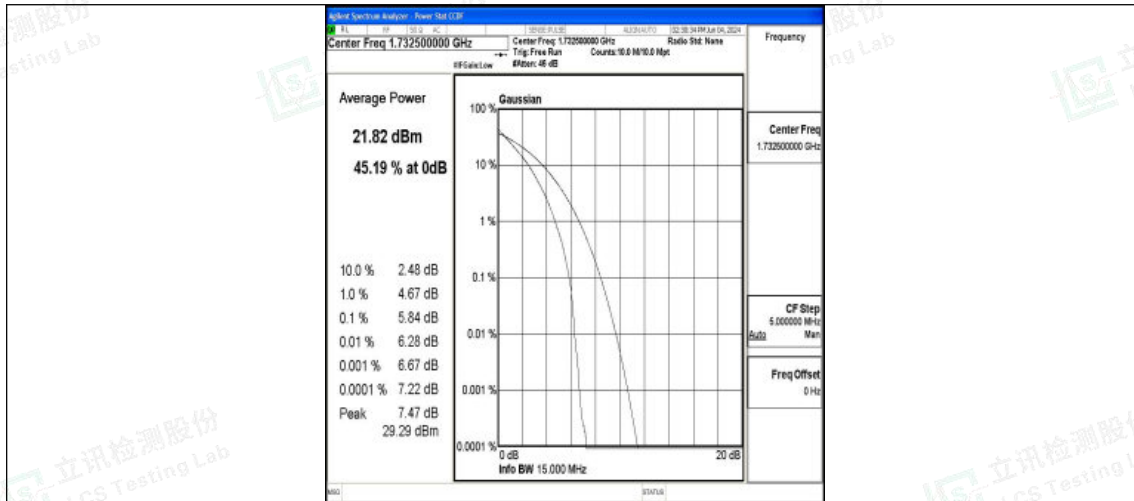


Band4-15MHz-QPSK-20175-1RB#0-PASS

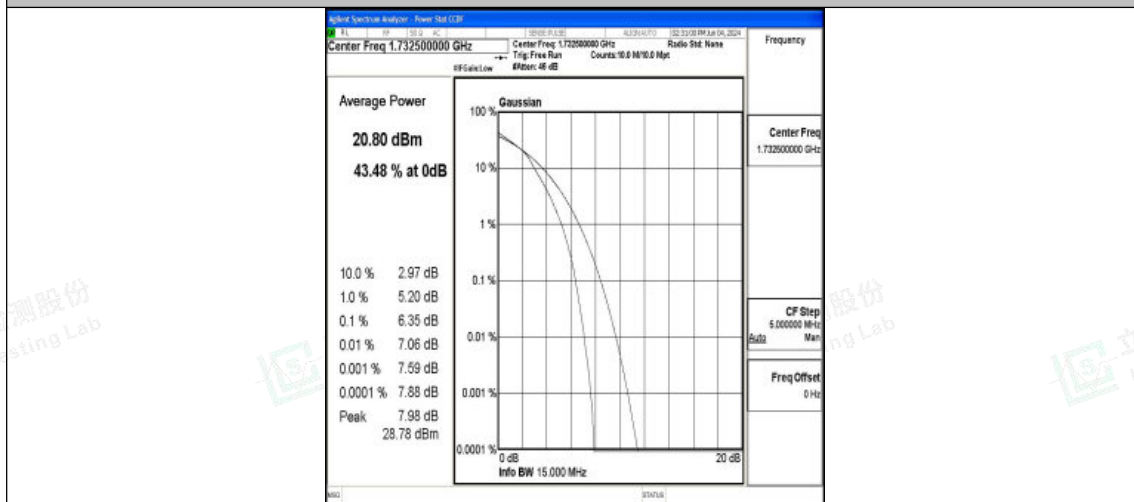


Band4-15MHz-16QAM-20175-1RB#0-PASS

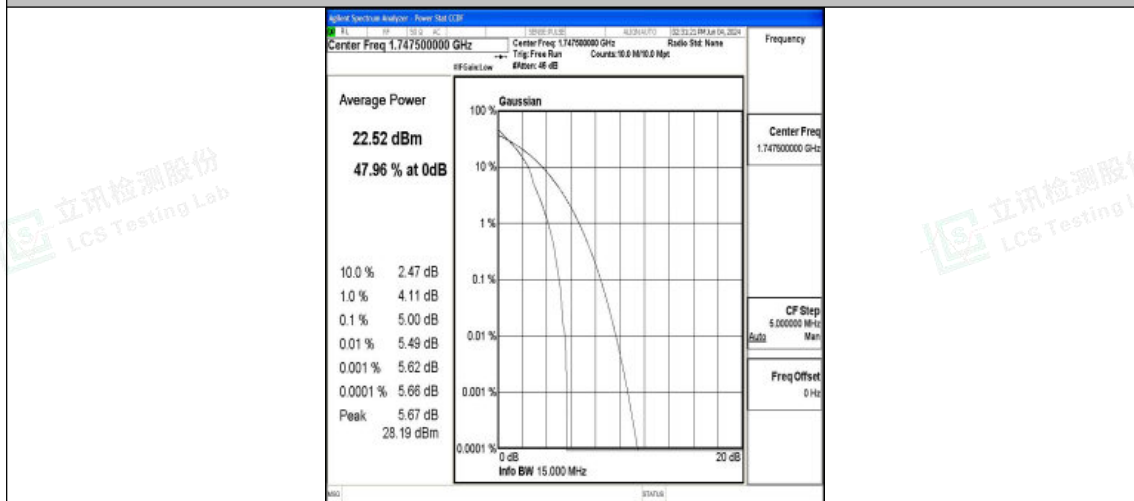




Band4-15MHz-QPSK-20175-75RB#0-PASS

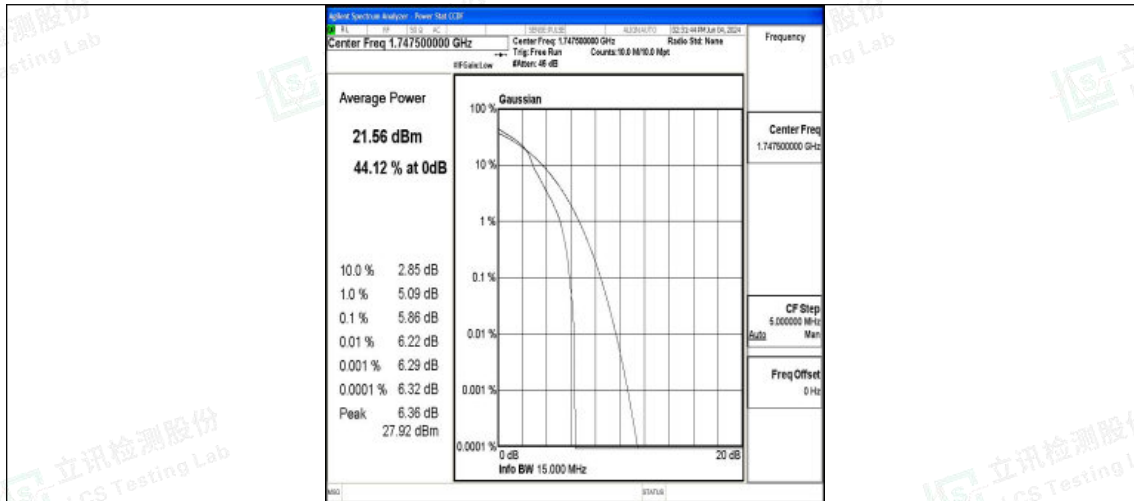


Band4-15MHz-16QAM-20175-75RB#0-PASS

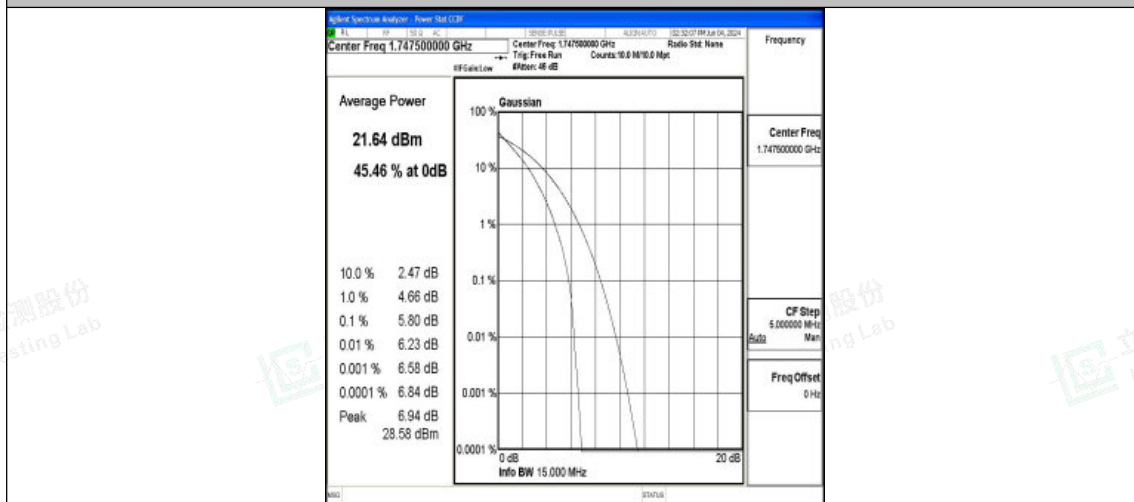


Band4-15MHz-QPSK-20325-1RB#0-PASS

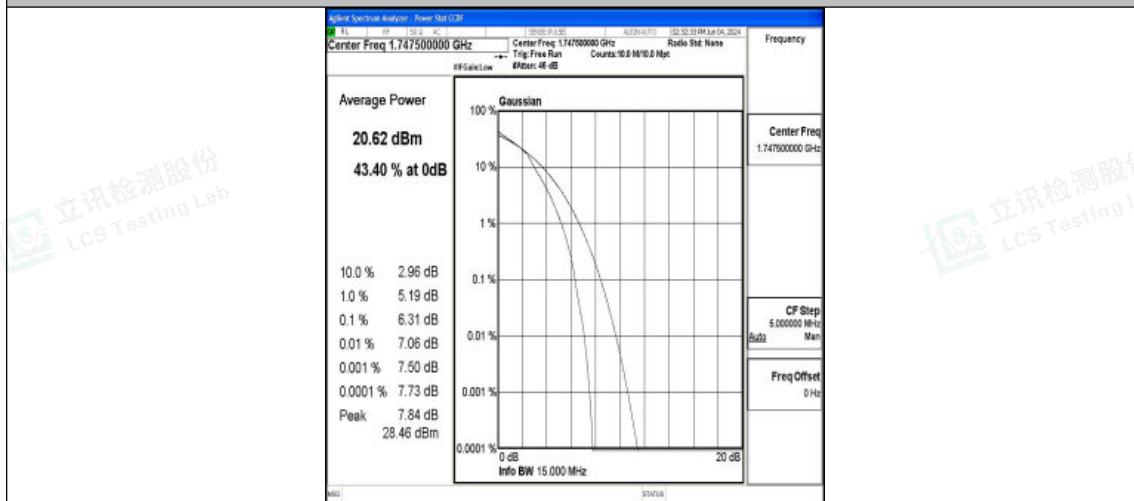




Band4-15MHz-16QAM-20325-1RB#0-PASS

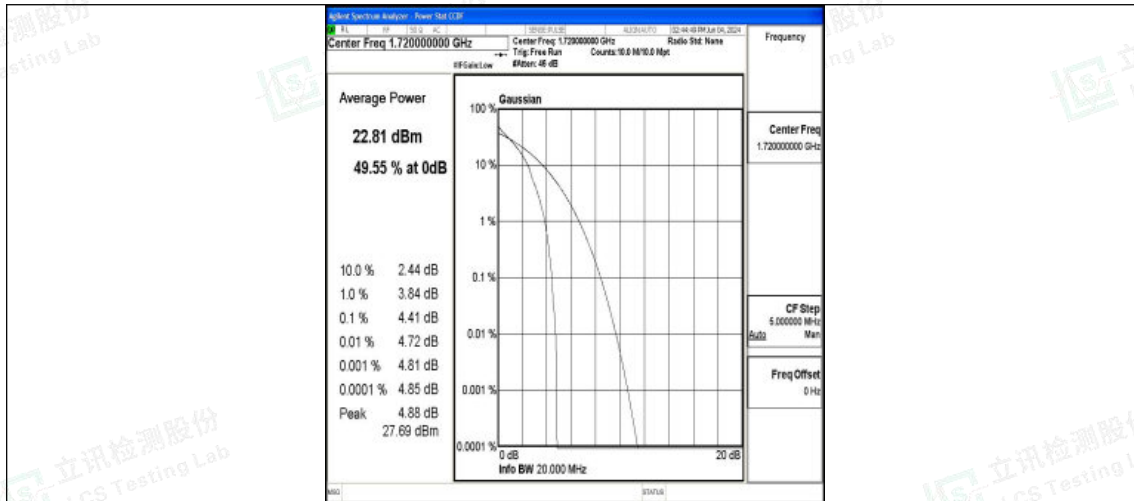


Band4-15MHz-QPSK-20325-75RB#0-PASS

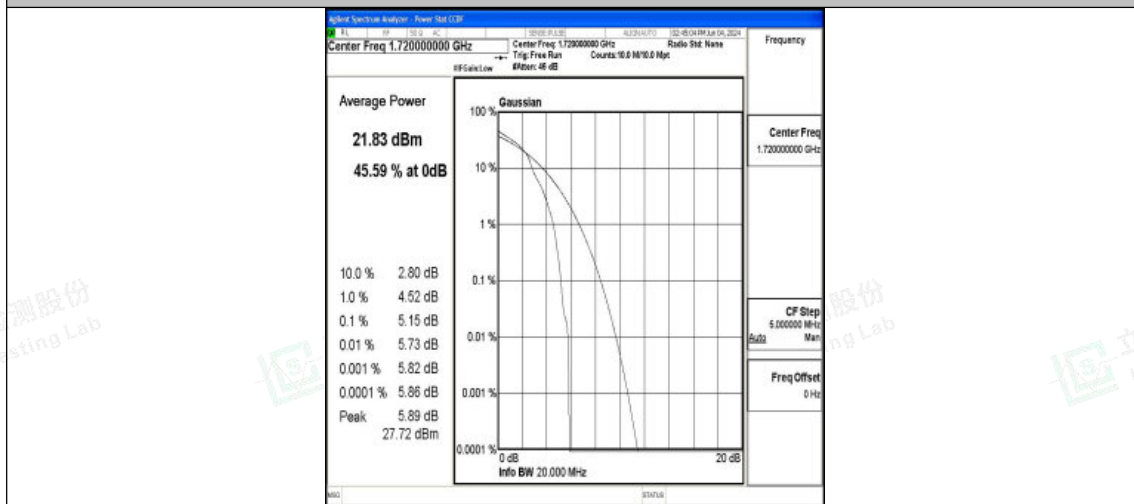


Band4-15MHz-16QAM-20325-75RB#0-PASS

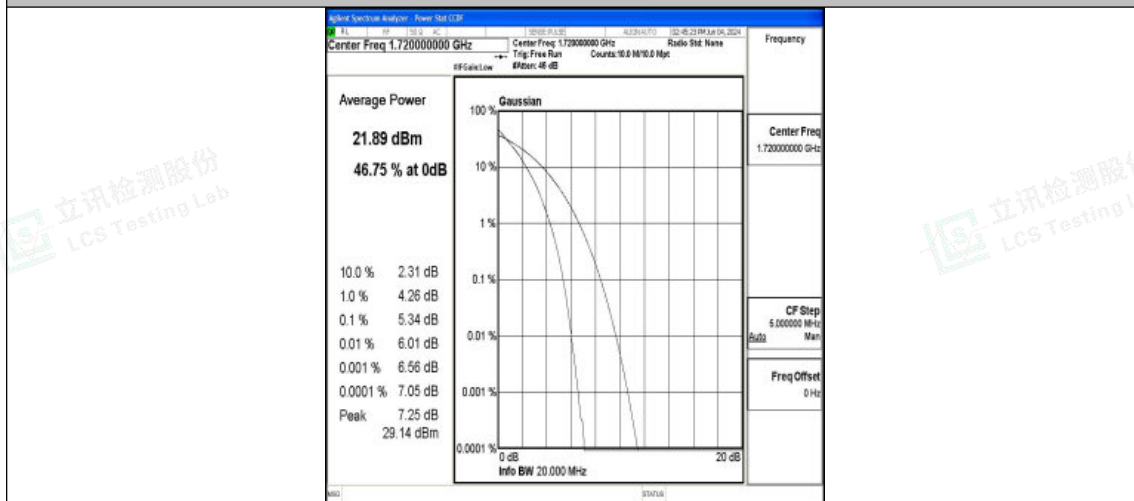




Band4-20MHz-QPSK-20050-1RB#0-PASS



Band4-20MHz-16QAM-20050-1RB#0-PASS



Band4-20MHz-QPSK-20050-100RB#0-PASS

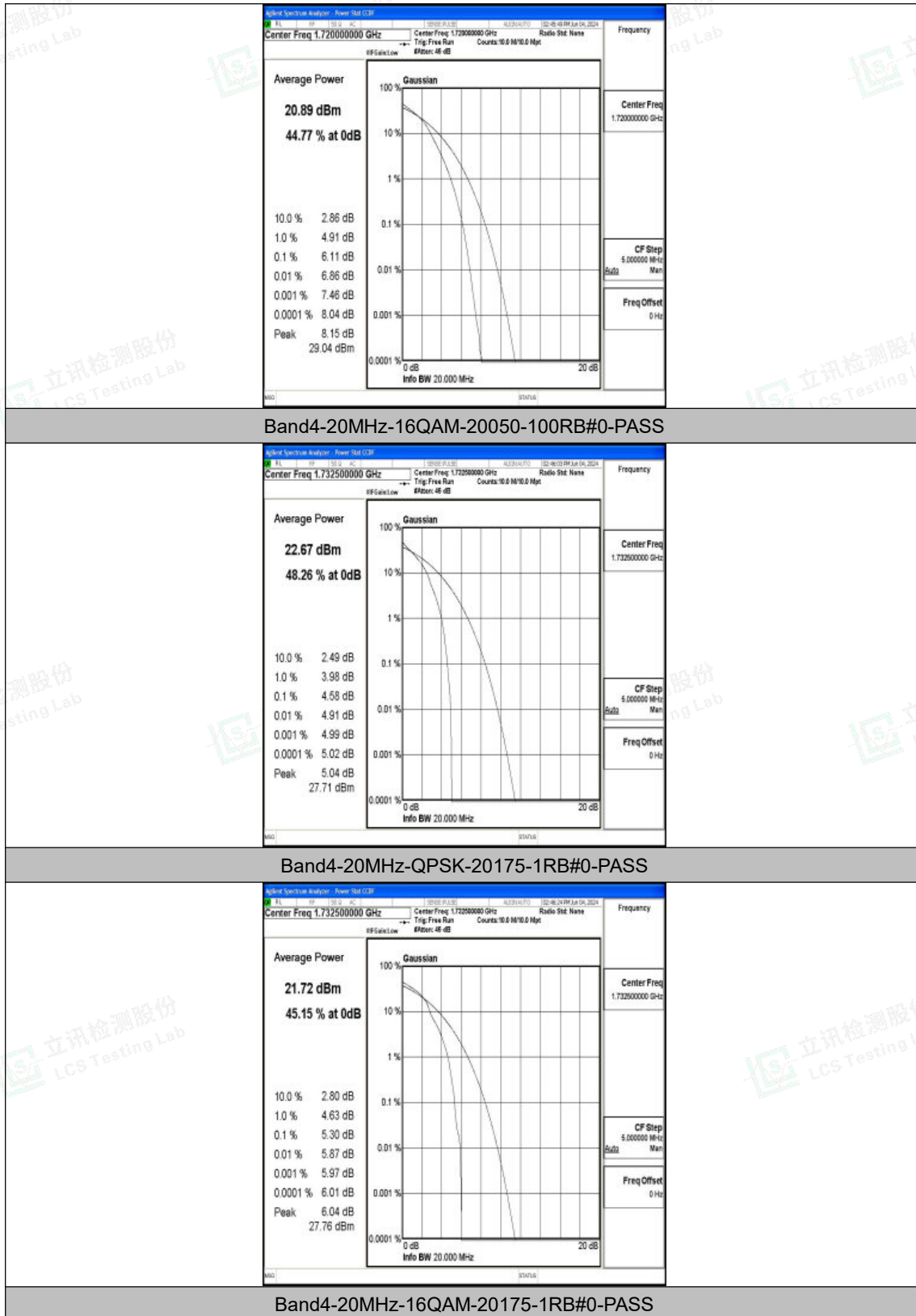


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

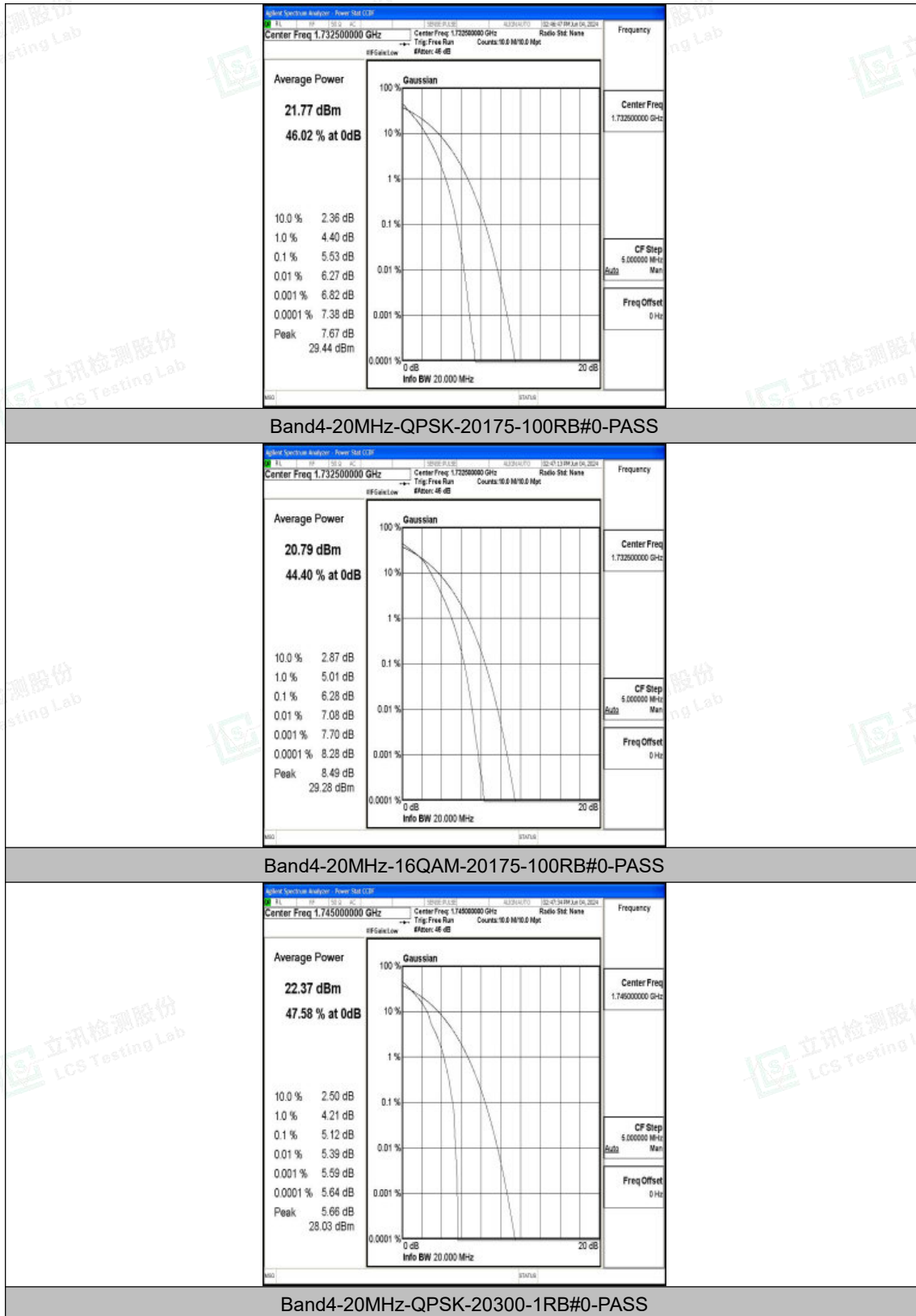


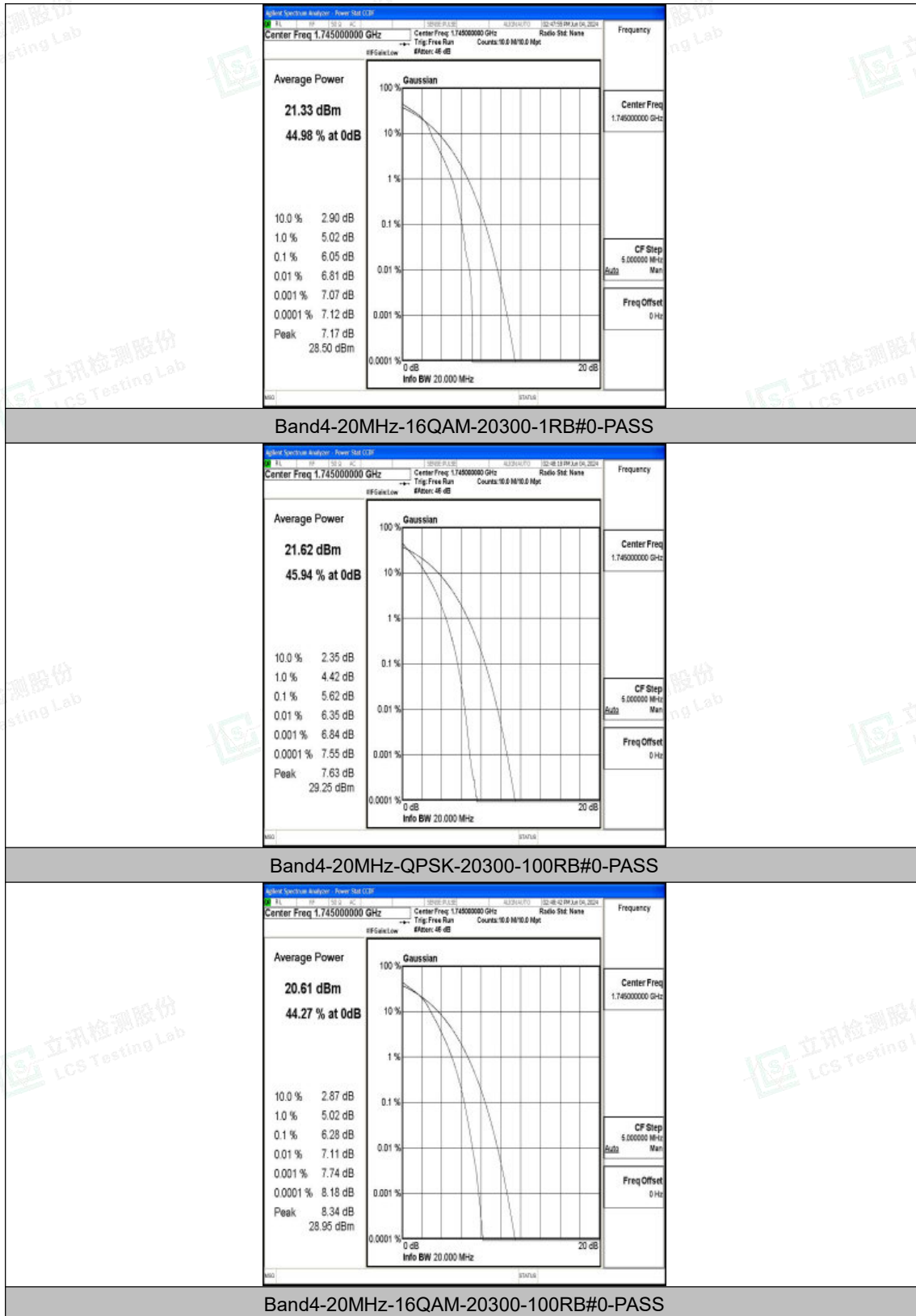
Shenzhen LCS Compliance Testing Laboratory Ltd.

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







G.3 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	1.0911	1.288	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1.0947	1.308	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	1.0859	1.279	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.0922	1.300	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1.0917	1.280	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1.0939	1.306	PASS
Band4	3MHz	QPSK	19965	15RB#0	2.6870	2.884	PASS
Band4	3MHz	16QAM	19965	15RB#0	2.6799	2.888	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.6868	2.887	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.6795	2.905	PASS
Band4	3MHz	QPSK	20385	15RB#0	2.6898	2.875	PASS
Band4	3MHz	16QAM	20385	15RB#0	2.6796	2.905	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.4865	4.934	PASS
Band4	5MHz	16QAM	19975	25RB#0	4.4884	4.898	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.4930	4.949	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.4858	4.897	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.5010	4.934	PASS
Band4	5MHz	16QAM	20375	25RB#0	4.4878	4.899	PASS
Band4	10MHz	QPSK	20000	50RB#0	8.9657	9.744	PASS
Band4	10MHz	16QAM	20000	50RB#0	8.9797	9.737	PASS
Band4	10MHz	QPSK	20175	50RB#0	8.9710	9.794	PASS
Band4	10MHz	16QAM	20175	50RB#0	8.9552	9.712	PASS
Band4	10MHz	QPSK	20350	50RB#0	9.0086	9.729	PASS
Band4	10MHz	16QAM	20350	50RB#0	8.9873	9.806	PASS
Band4	15MHz	QPSK	20025	75RB#0	13.448	15.26	PASS
Band4	15MHz	16QAM	20025	75RB#0	13.457	14.58	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.489	14.57	PASS
Band4	15MHz	16QAM	20175	75RB#0	13.467	14.61	PASS
Band4	15MHz	QPSK	20325	75RB#0	13.443	14.66	PASS
Band4	15MHz	16QAM	20325	75RB#0	13.494	14.52	PASS
Band4	20MHz	QPSK	20050	100RB#0	17.895	19.33	PASS
Band4	20MHz	16QAM	20050	100RB#0	17.905	19.43	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



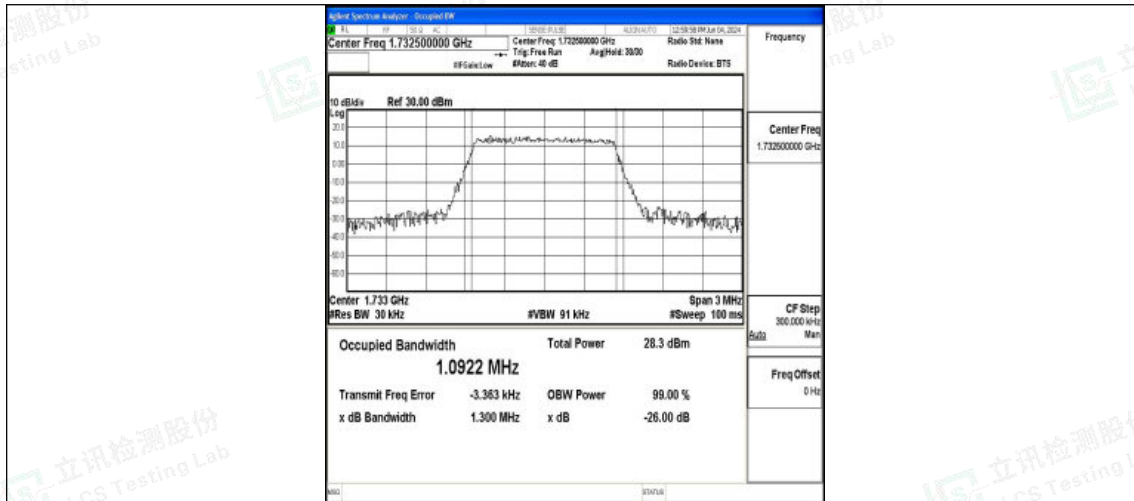
Band4	20MHz	QPSK	20175	100RB#0	17.961	19.33	PASS
Band4	20MHz	16QAM	20175	100RB#0	17.947	19.32	PASS
Band4	20MHz	QPSK	20300	100RB#0	17.990	19.48	PASS
Band4	20MHz	16QAM	20300	100RB#0	17.927	19.39	PASS



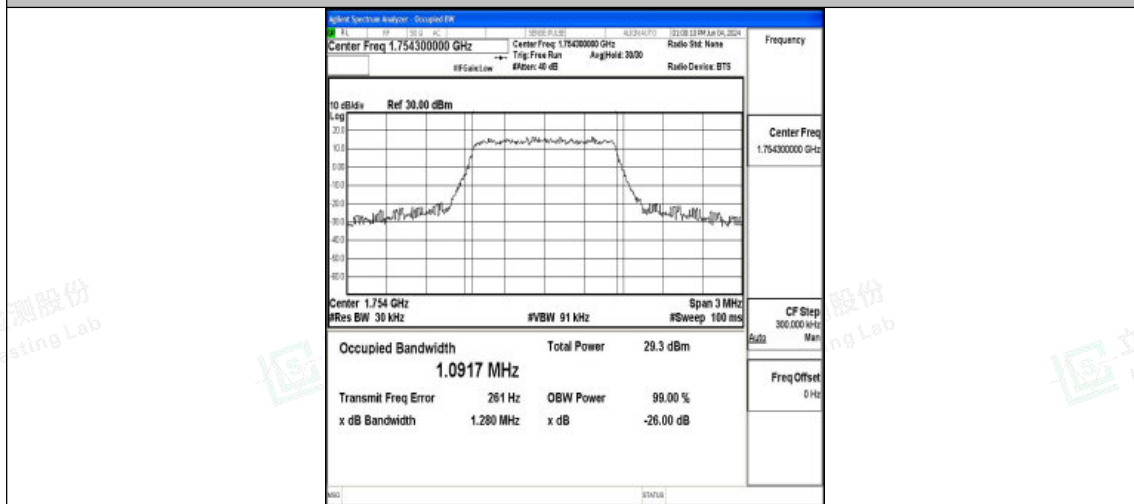


Test Graphs

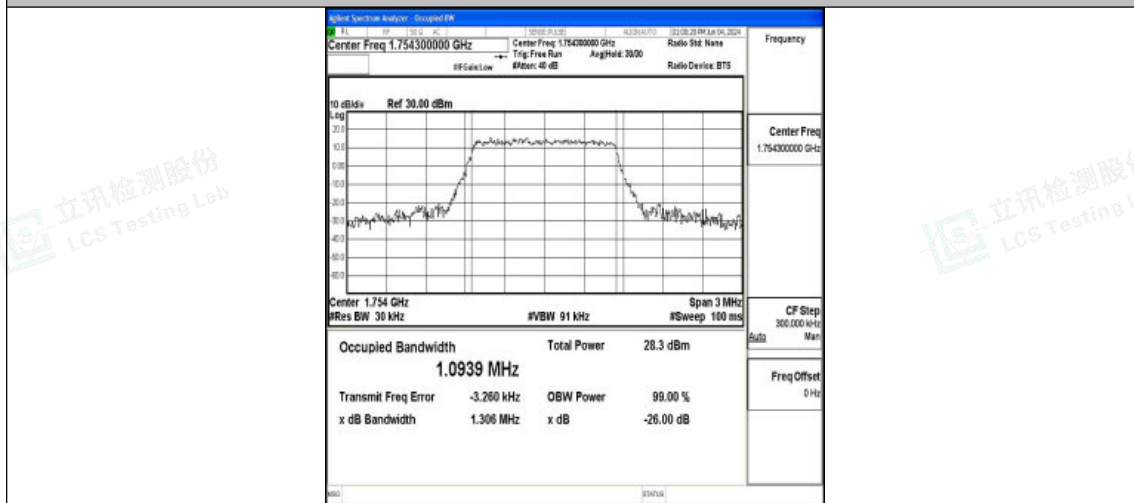




Band4-1.4MHz-16QAM-20175-6RB#0-PASS



Band4-1.4MHz-QPSK-20393-6RB#0-PASS



Band4-1.4MHz-16QAM-20393-6RB#0-PASS

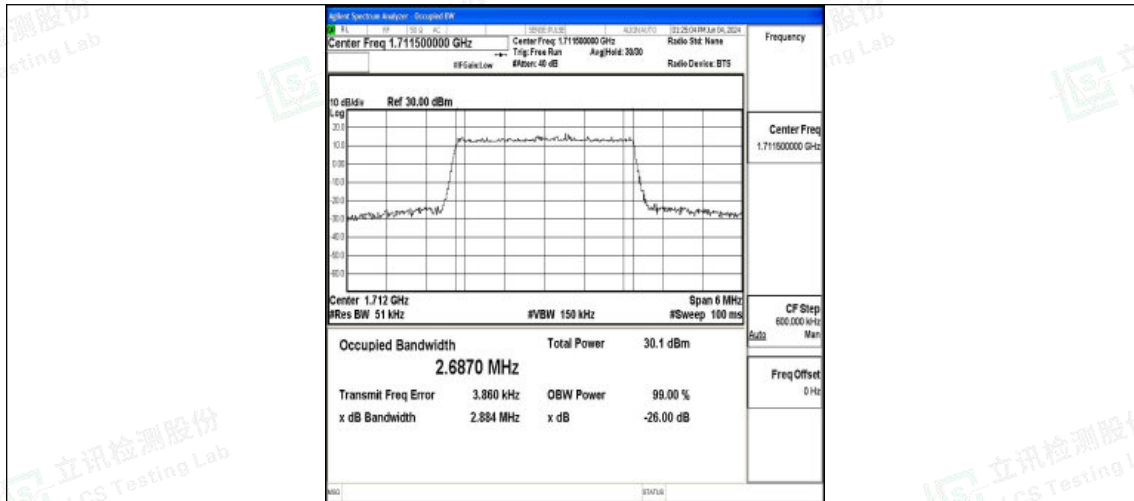


Shenzhen LCS Compliance Testing Laboratory Ltd.

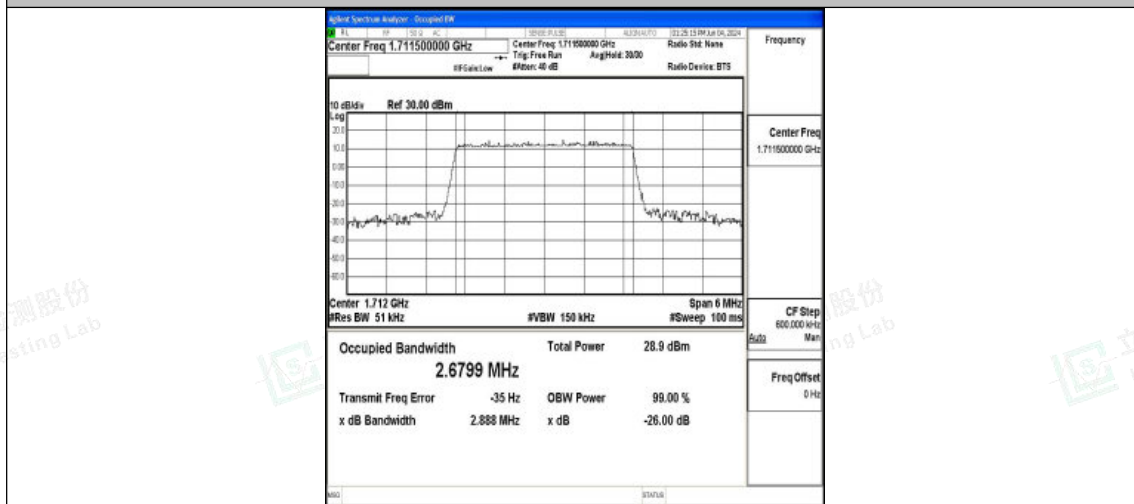
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

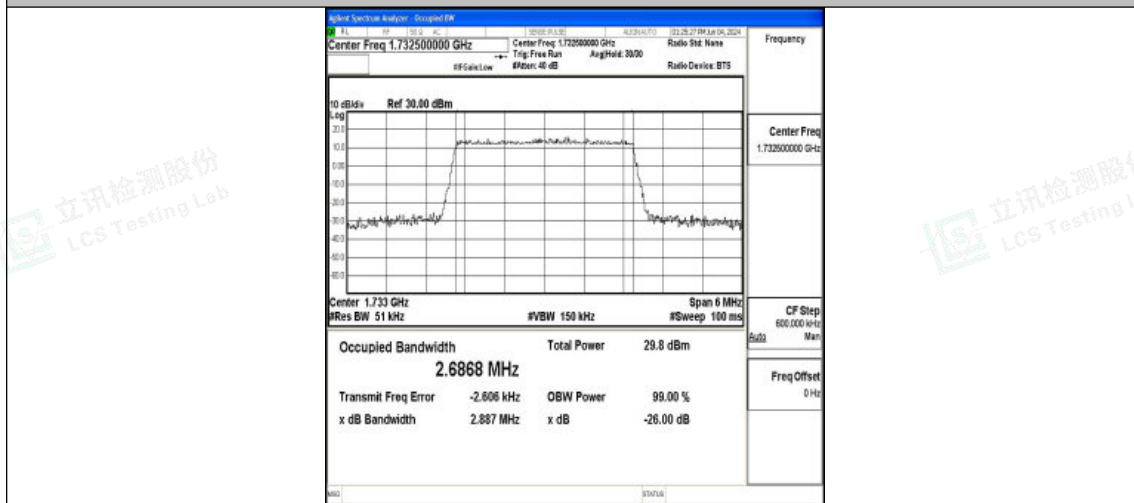
Scan code to check authenticity



Band4-3MHz-QPSK-19965-15RB#0-PASS



Band4-3MHz-16QAM-19965-15RB#0-PASS



Band4-3MHz-QPSK-20175-15RB#0-PASS

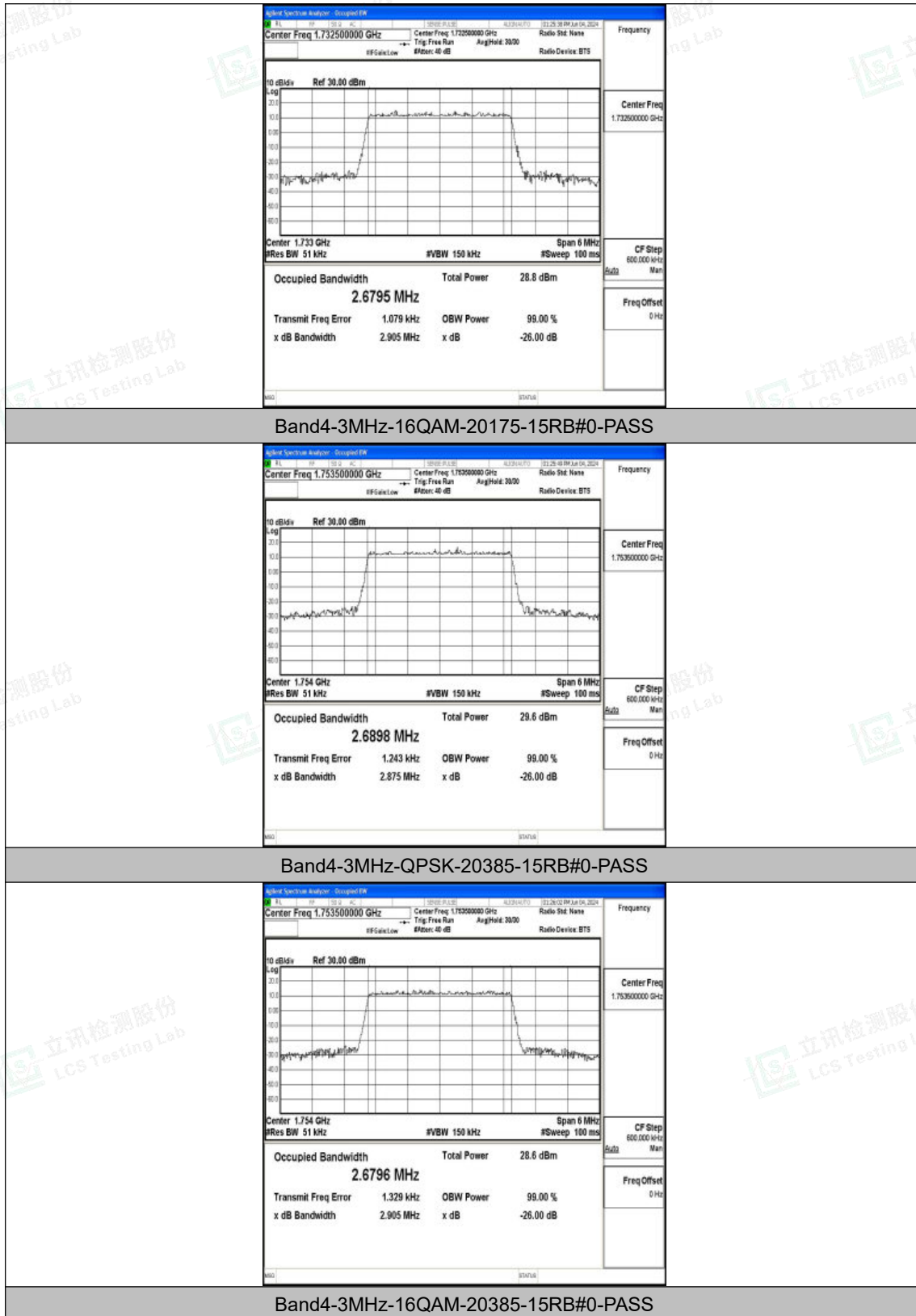


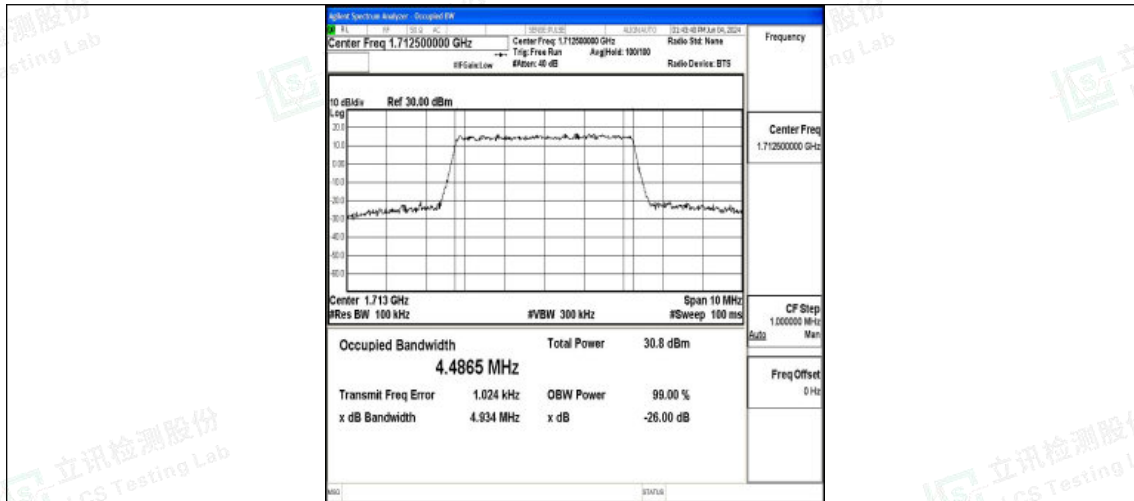
Shenzhen LCS Compliance Testing Laboratory Ltd.

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

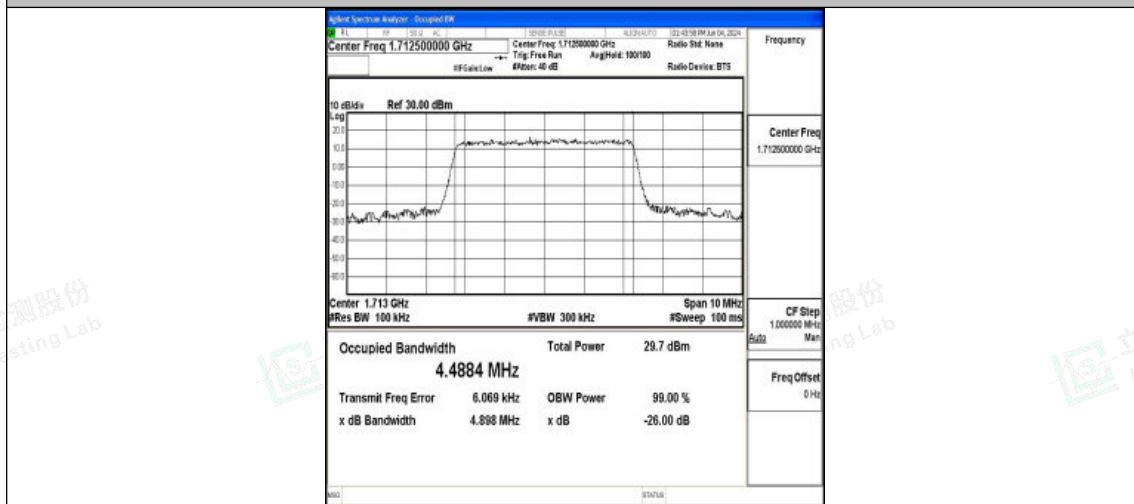
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

Scan code to check authenticity

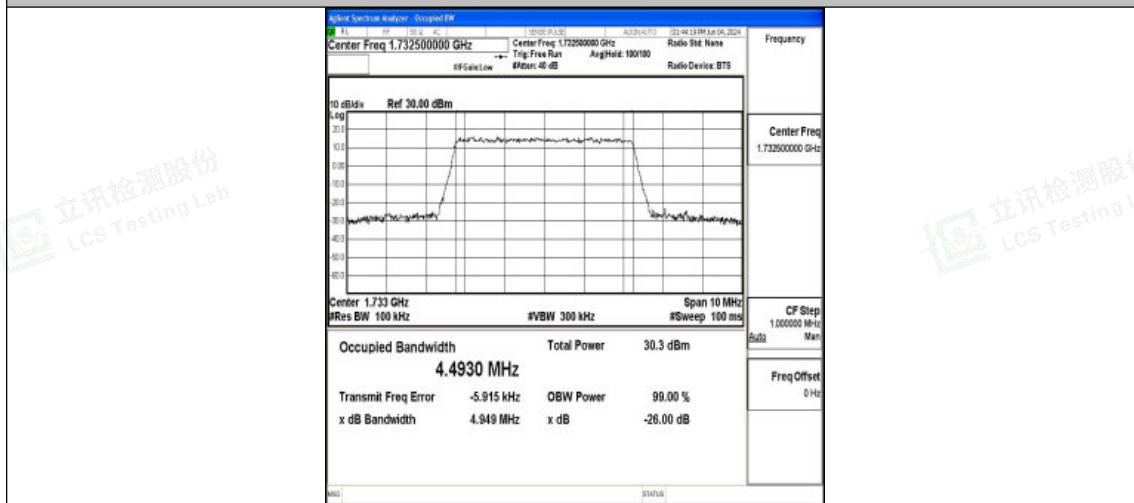




Band4-5MHz-QPSK-19975-25RB#0-PASS



Band4-5MHz-16QAM-19975-25RB#0-PASS



Band4-5MHz-QPSK-20175-25RB#0-PASS

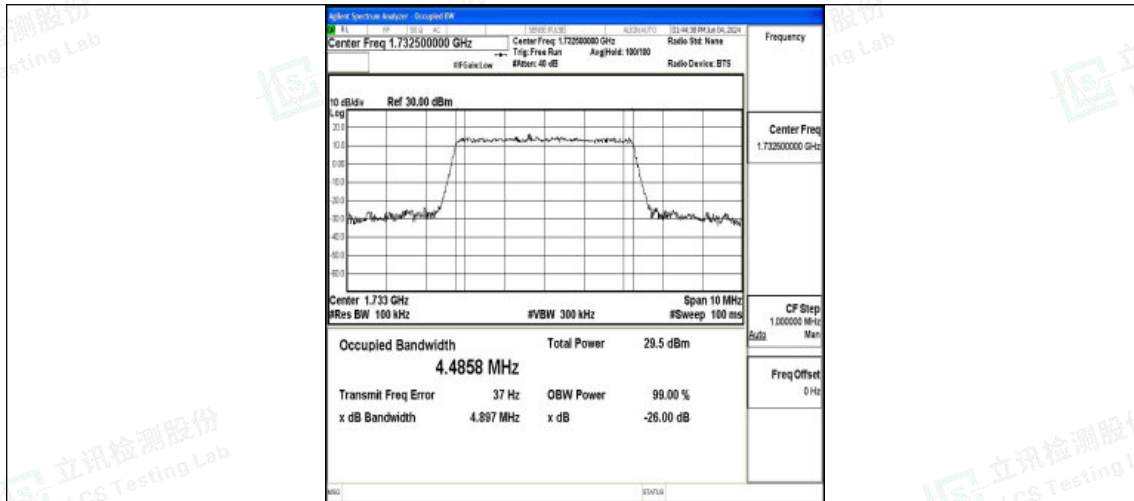


Shenzhen LCS Compliance Testing Laboratory Ltd.

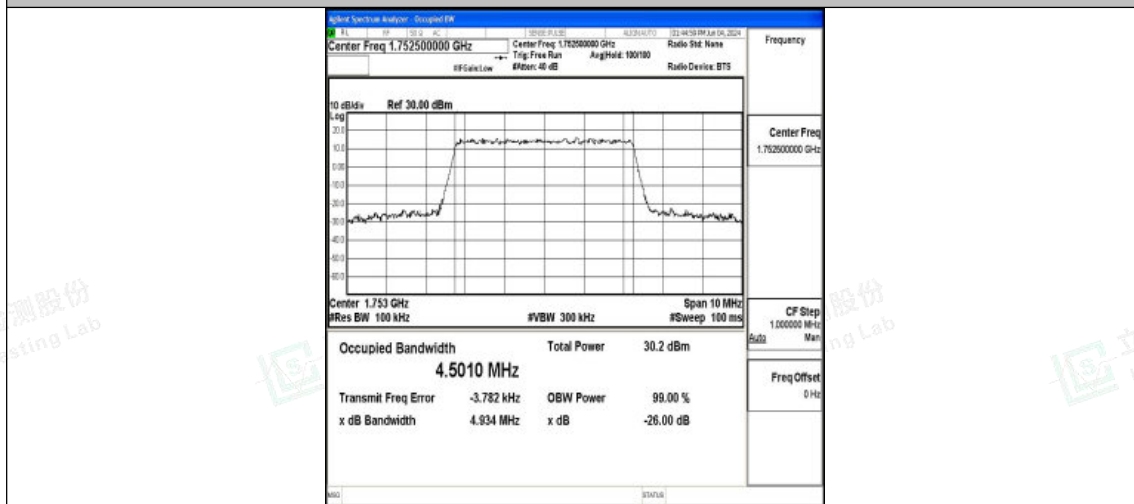
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

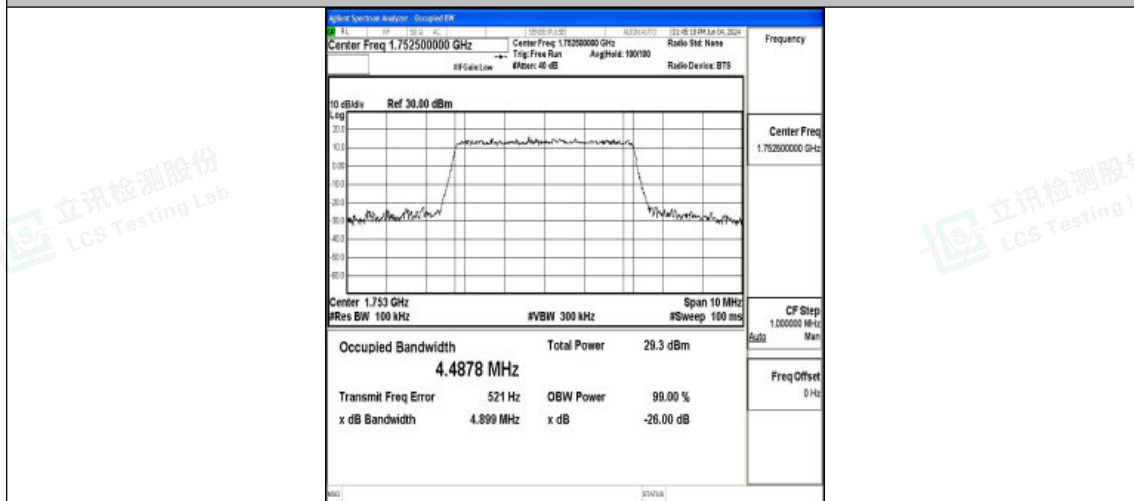
Scan code to check authenticity



Band4-5MHz-16QAM-20175-25RB#0-PASS



Band4-5MHz-QPSK-20375-25RB#0-PASS



Band4-5MHz-16QAM-20375-25RB#0-PASS

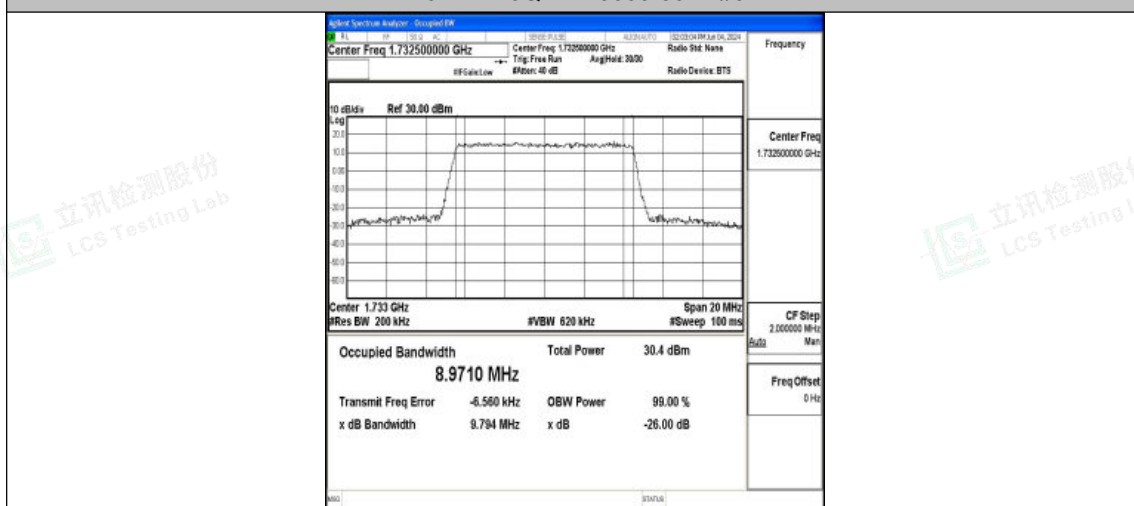
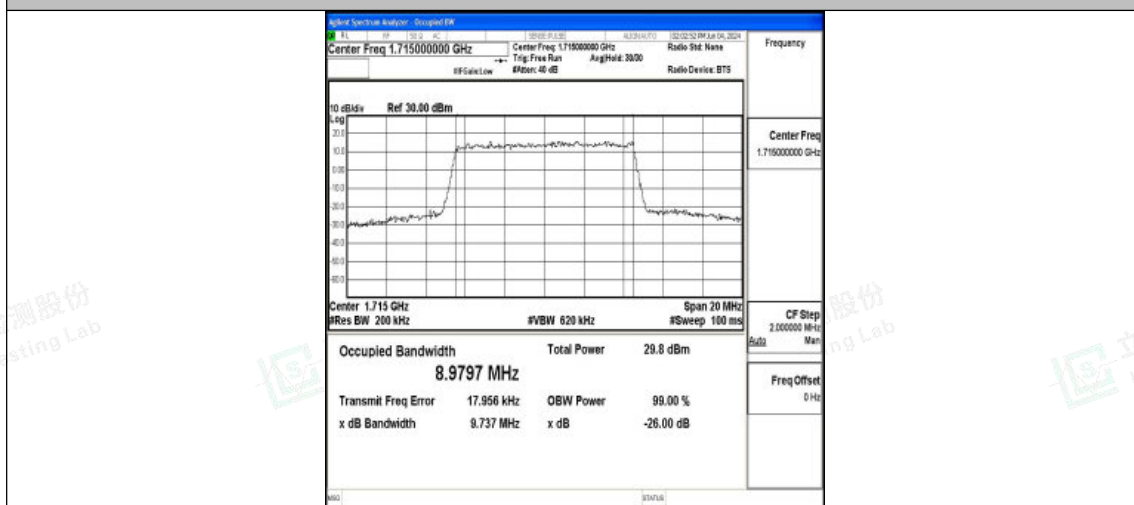
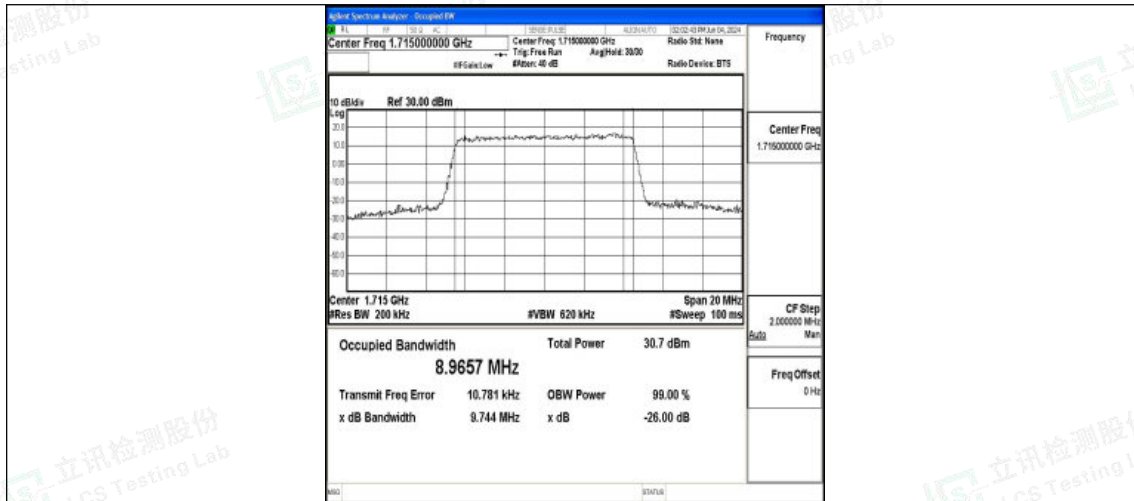


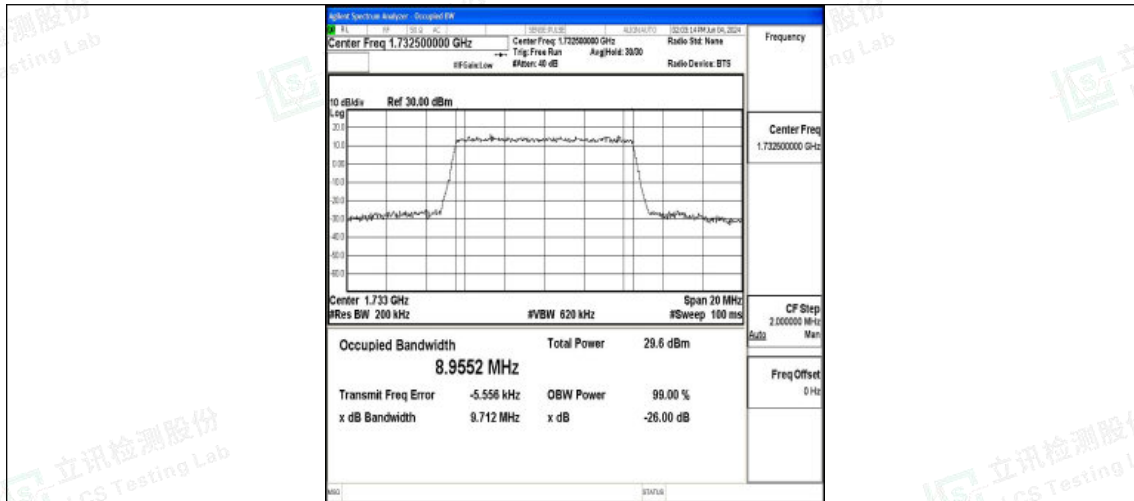
Shenzhen LCS Compliance Testing Laboratory Ltd.

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

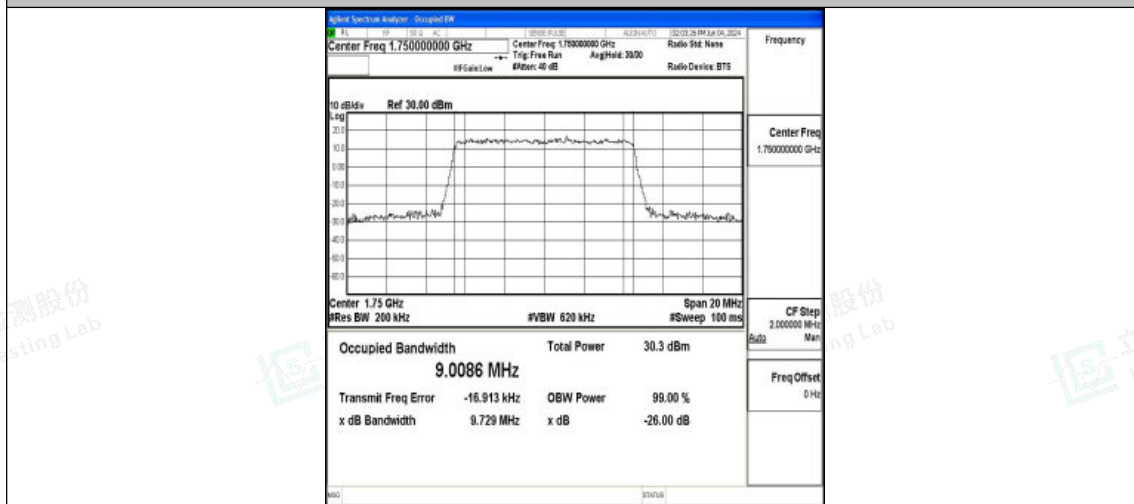
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

Scan code to check authenticity

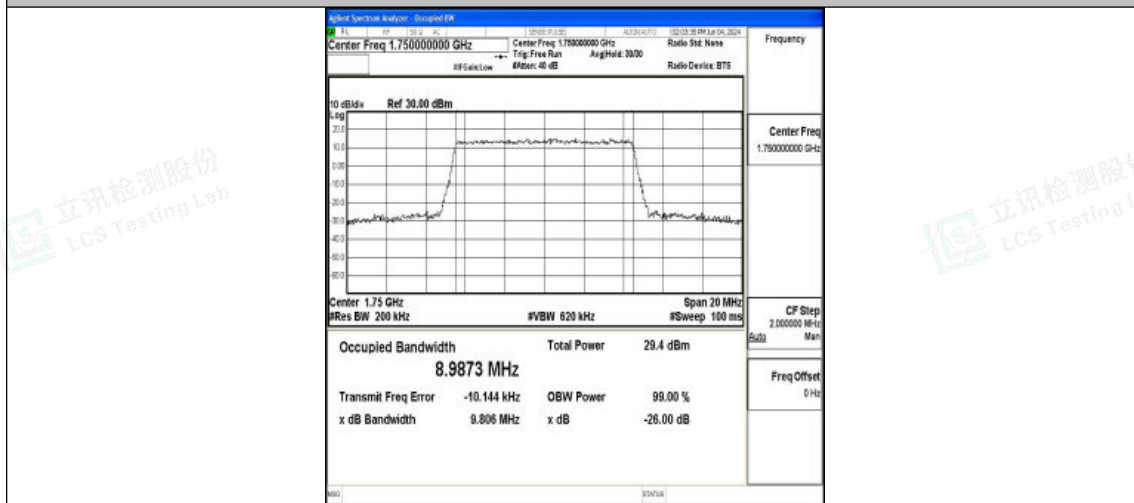




Band4-10MHz-16QAM-20175-50RB#0-PASS

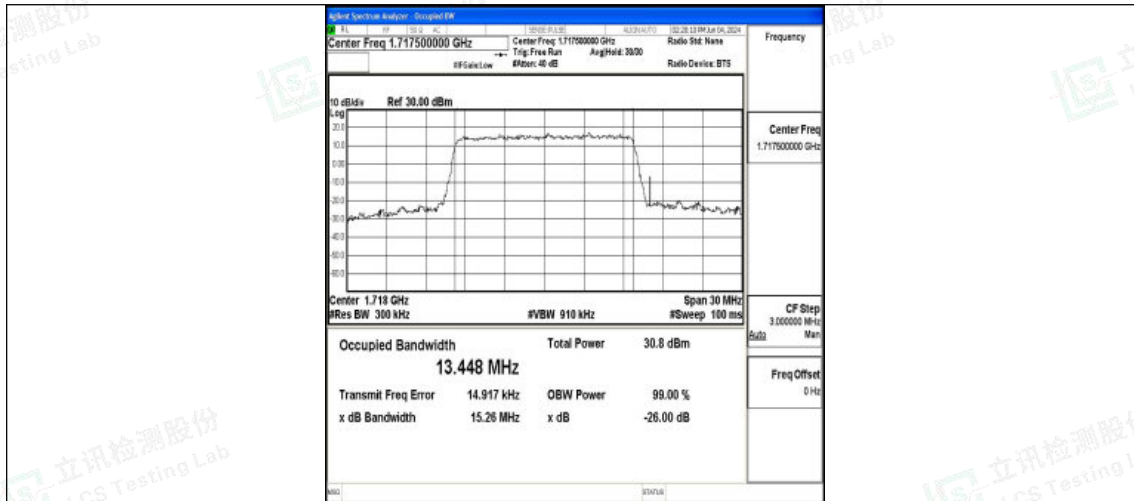


Band4-10MHz-QPSK-20350-50RB#0-PASS

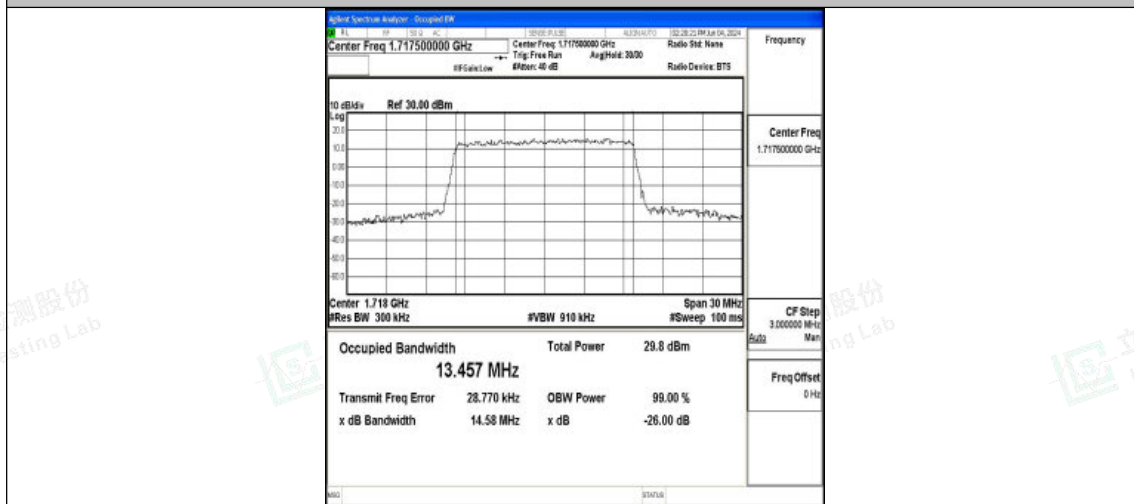


Band4-10MHz-16QAM-20350-50RB#0-PASS

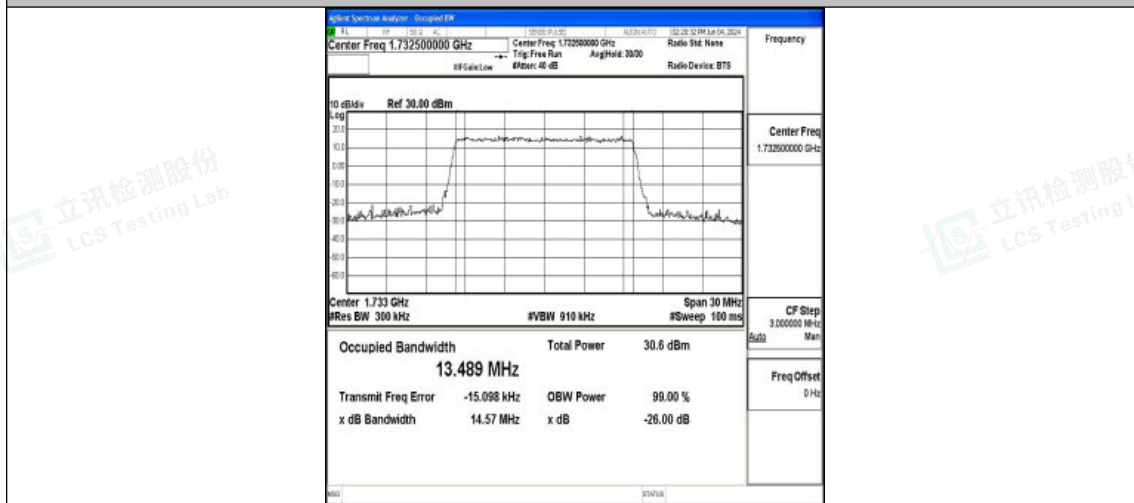




Band4-15MHz-QPSK-20025-75RB#0-PASS



Band4-15MHz-16QAM-20025-75RB#0-PASS



Band4-15MHz-QPSK-20175-75RB#0-PASS

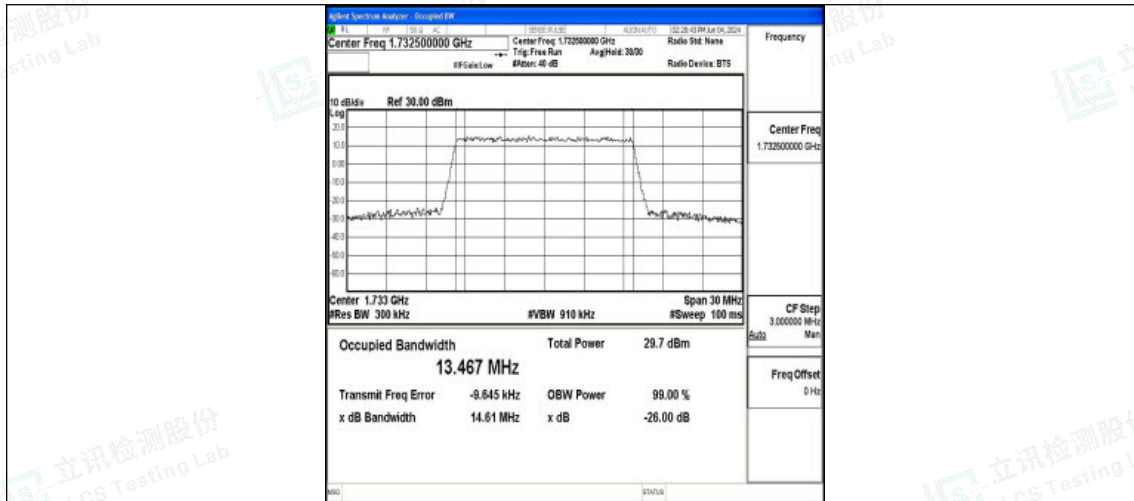


Shenzhen LCS Compliance Testing Laboratory Ltd.

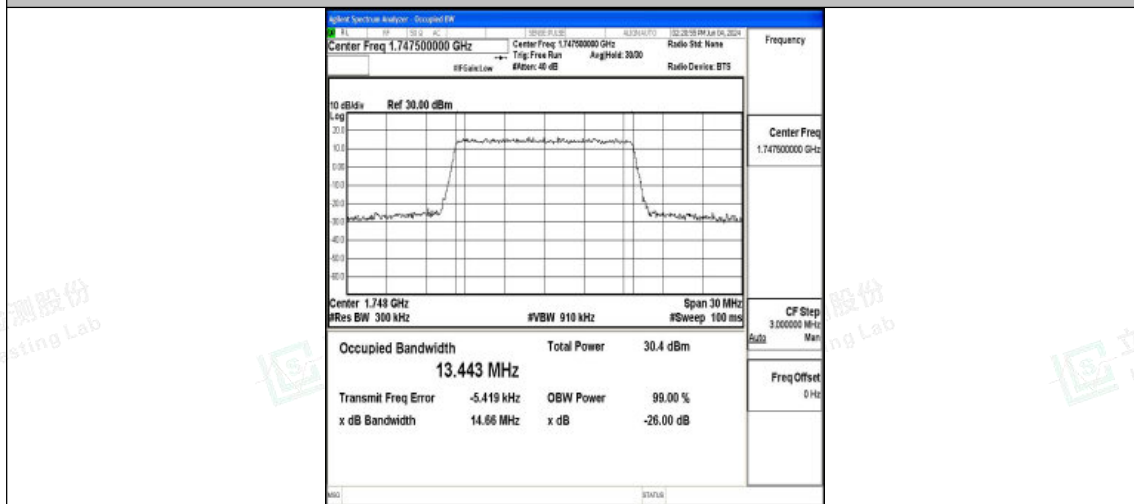
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

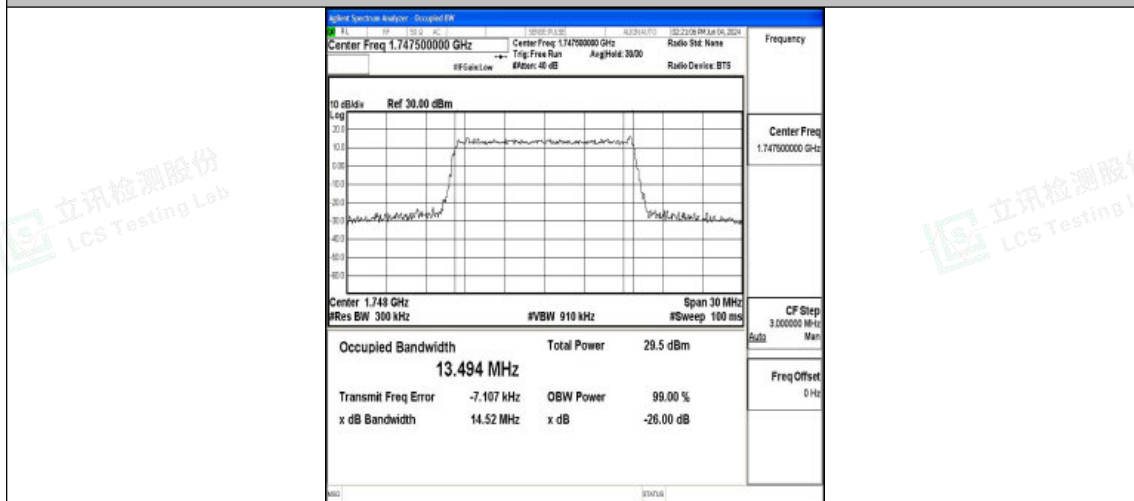
Scan code to check authenticity



Band4-15MHz-16QAM-20175-75RB#0-PASS

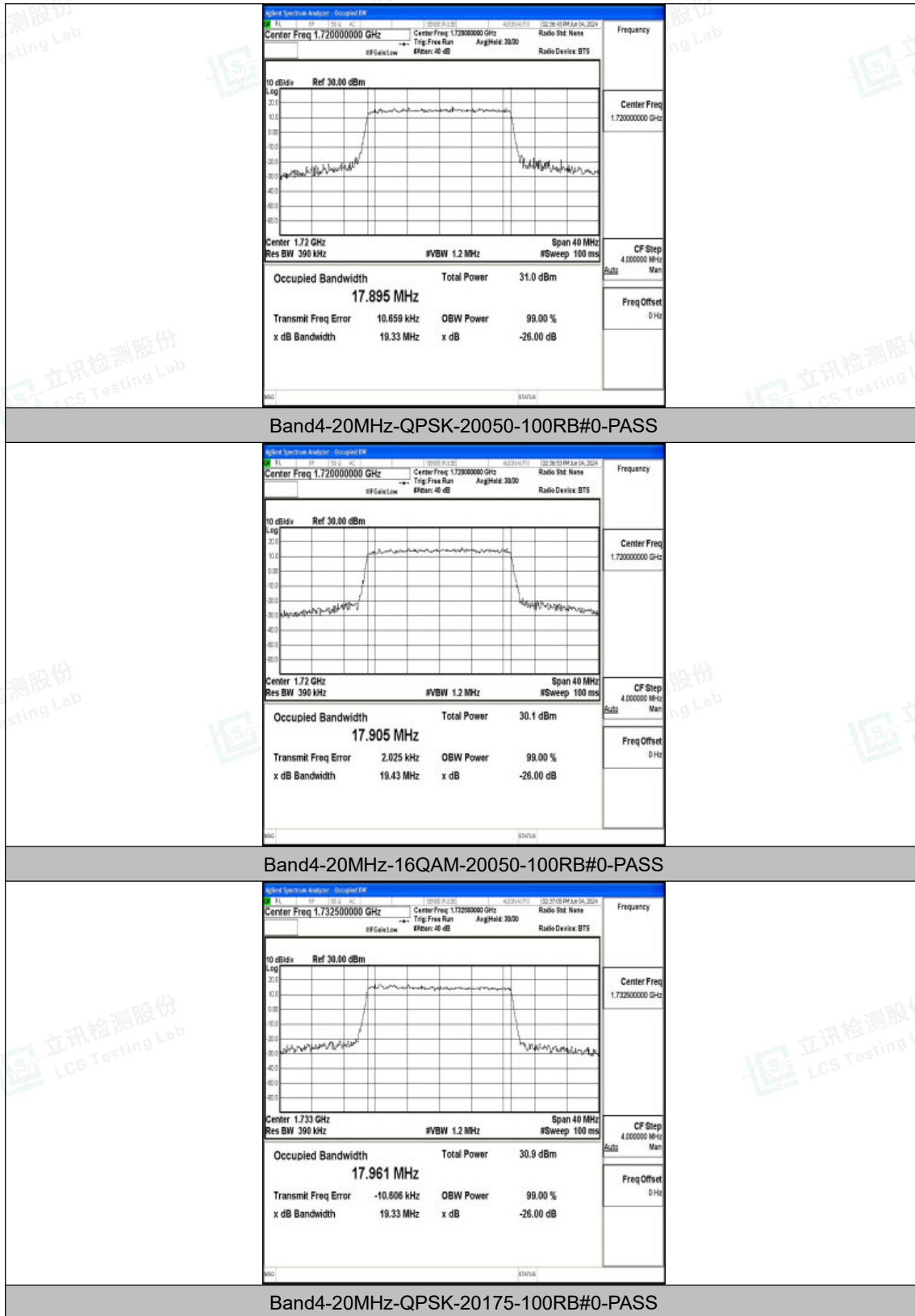


Band4-15MHz-QPSK-20325-75RB#0-PASS



Band4-15MHz-16QAM-20325-75RB#0-PASS



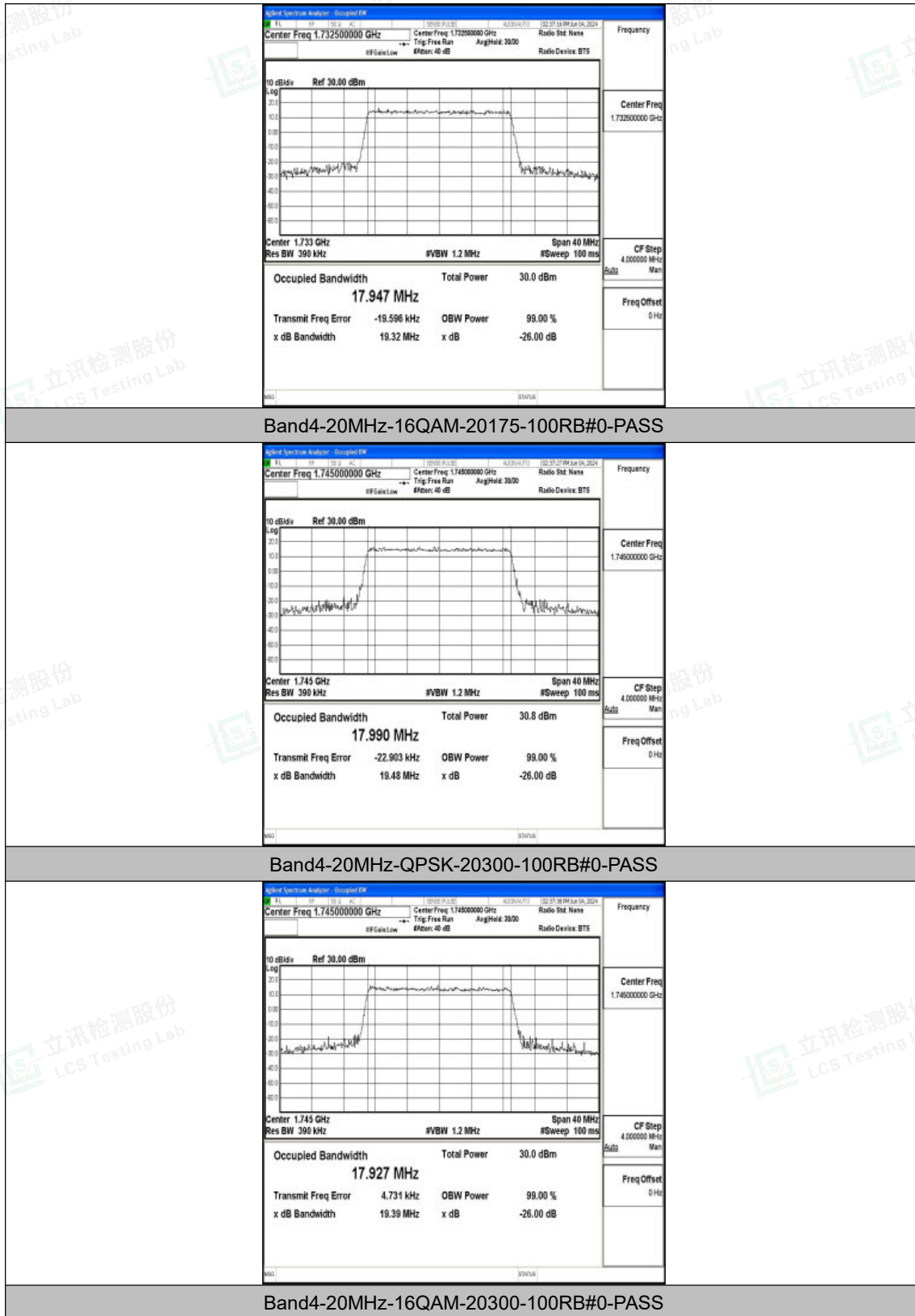


Shenzhen LCS Compliance Testing Laboratory Ltd.

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





G.4 Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Peak Frequency	Result(dBm)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	1710.00	-32.64	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1710.00	-34.14	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1755.00	-31.50	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1755.00	-33.95	PASS
Band4	3MHz	QPSK	19965	15RB#0	1709.99	-33.87	PASS
Band4	3MHz	16QAM	19965	15RB#0	1710.00	-35.79	PASS
Band4	3MHz	QPSK	20385	15RB#0	1755.00	-34.92	PASS
Band4	3MHz	16QAM	20385	15RB#0	1755.00	-36.29	PASS
Band4	5MHz	QPSK	19975	25RB#0	1709.97	-33.34	PASS
Band4	5MHz	16QAM	19975	25RB#0	1709.99	-34.56	PASS
Band4	5MHz	QPSK	20375	25RB#0	1755.00	-34.31	PASS
Band4	5MHz	16QAM	20375	25RB#0	1755.00	-34.07	PASS
Band4	10MHz	QPSK	20000	50RB#0	1709.95	-36.18	PASS
Band4	10MHz	16QAM	20000	50RB#0	1709.96	-38.30	PASS
Band4	10MHz	QPSK	20350	50RB#0	1755.07	-37.55	PASS
Band4	10MHz	16QAM	20350	50RB#0	1755.03	-38.15	PASS
Band4	15MHz	QPSK	20025	75RB#0	1709.94	-36.04	PASS
Band4	15MHz	16QAM	20025	75RB#0	1709.93	-38.57	PASS
Band4	15MHz	QPSK	20325	75RB#0	1755.02	-37.44	PASS
Band4	15MHz	16QAM	20325	75RB#0	1755.01	-38.69	PASS
Band4	20MHz	QPSK	20050	100RB#0	1709.95	-39.77	PASS
Band4	20MHz	16QAM	20050	100RB#0	1709.99	-40.78	PASS
Band4	20MHz	QPSK	20300	100RB#0	1755.12	-39.65	PASS
Band4	20MHz	16QAM	20300	100RB#0	1755.16	-40.88	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

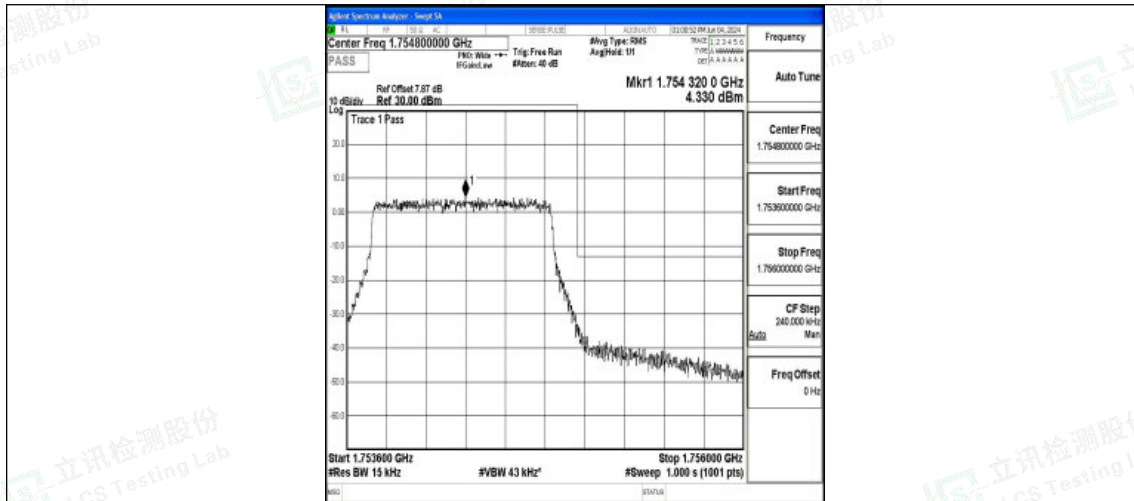
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

Scan code to check authenticity

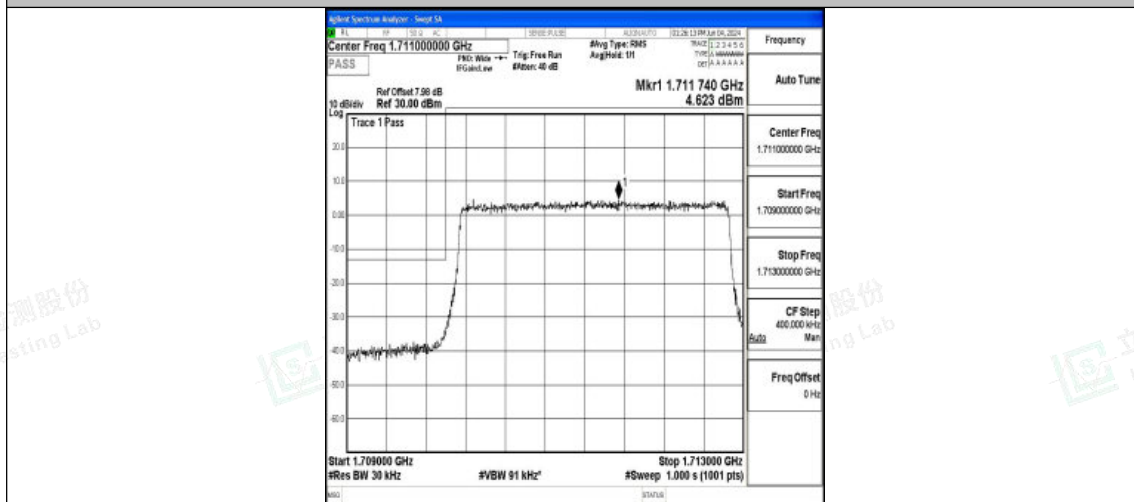


Test Graphs

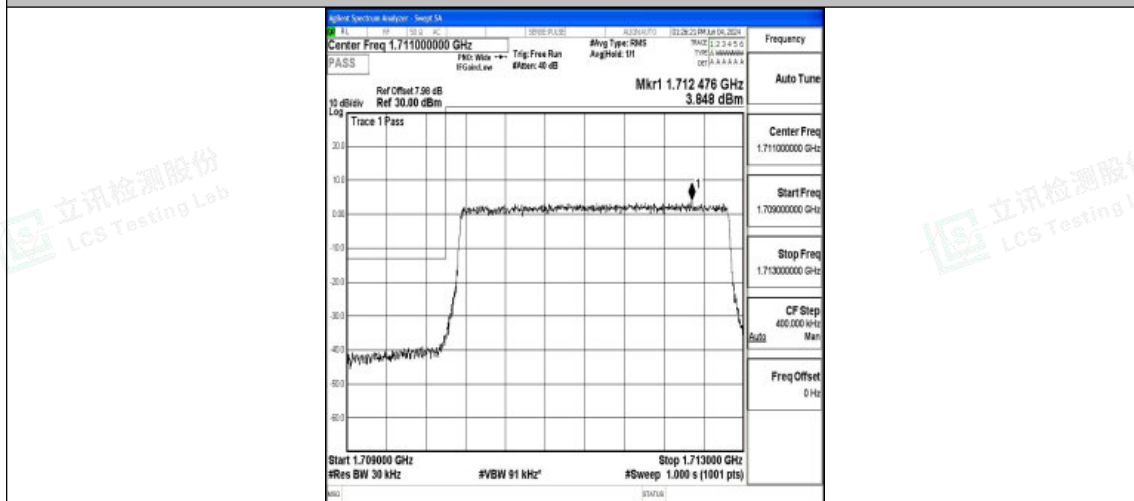




Band4_1.4MHz_16QAM_20393_6RB#0

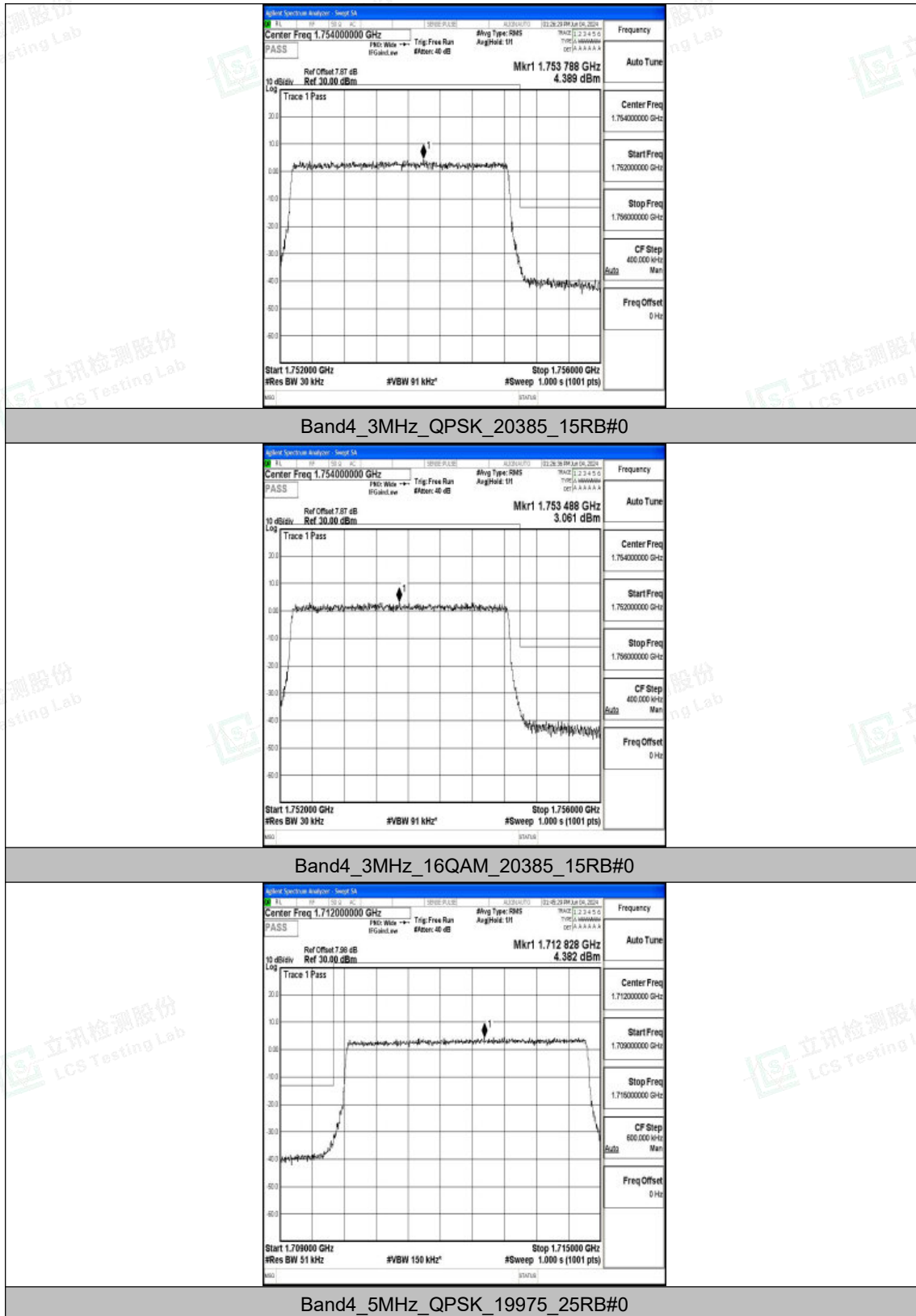


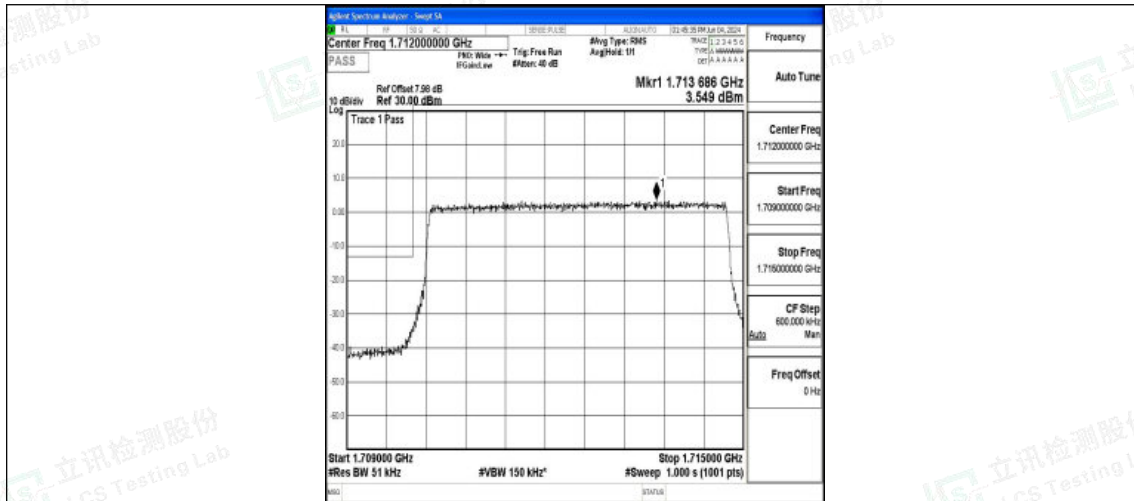
Band4_3MHz_QPSK_19965_15RB#0



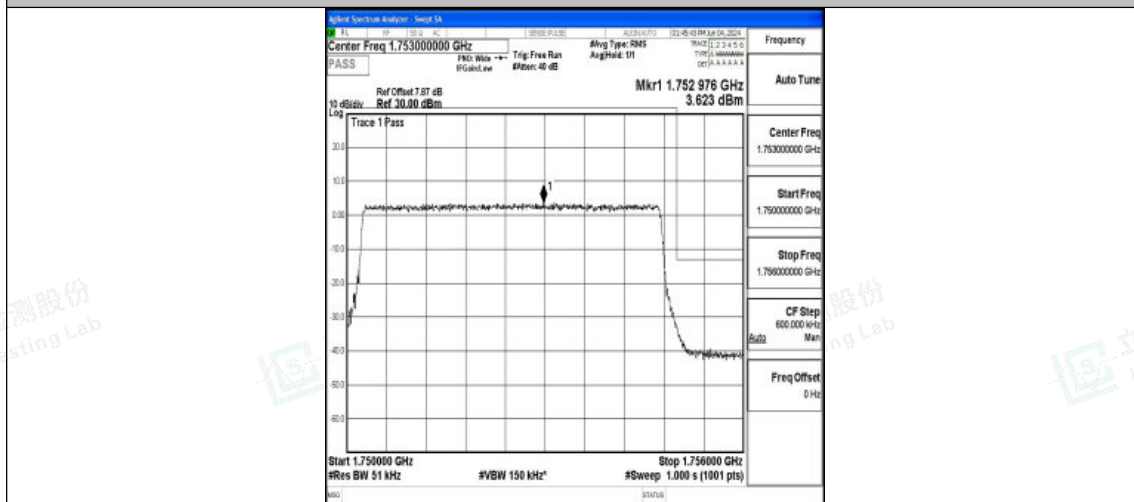
Band4_3MHz_16QAM_19965_15RB#0



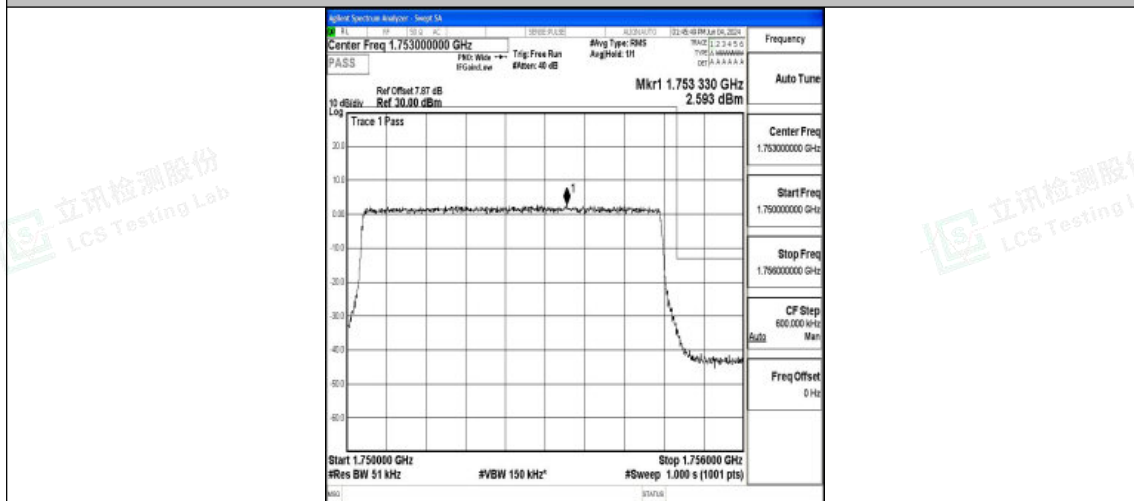




Band4_5MHz_16QAM_19975_25RB#0

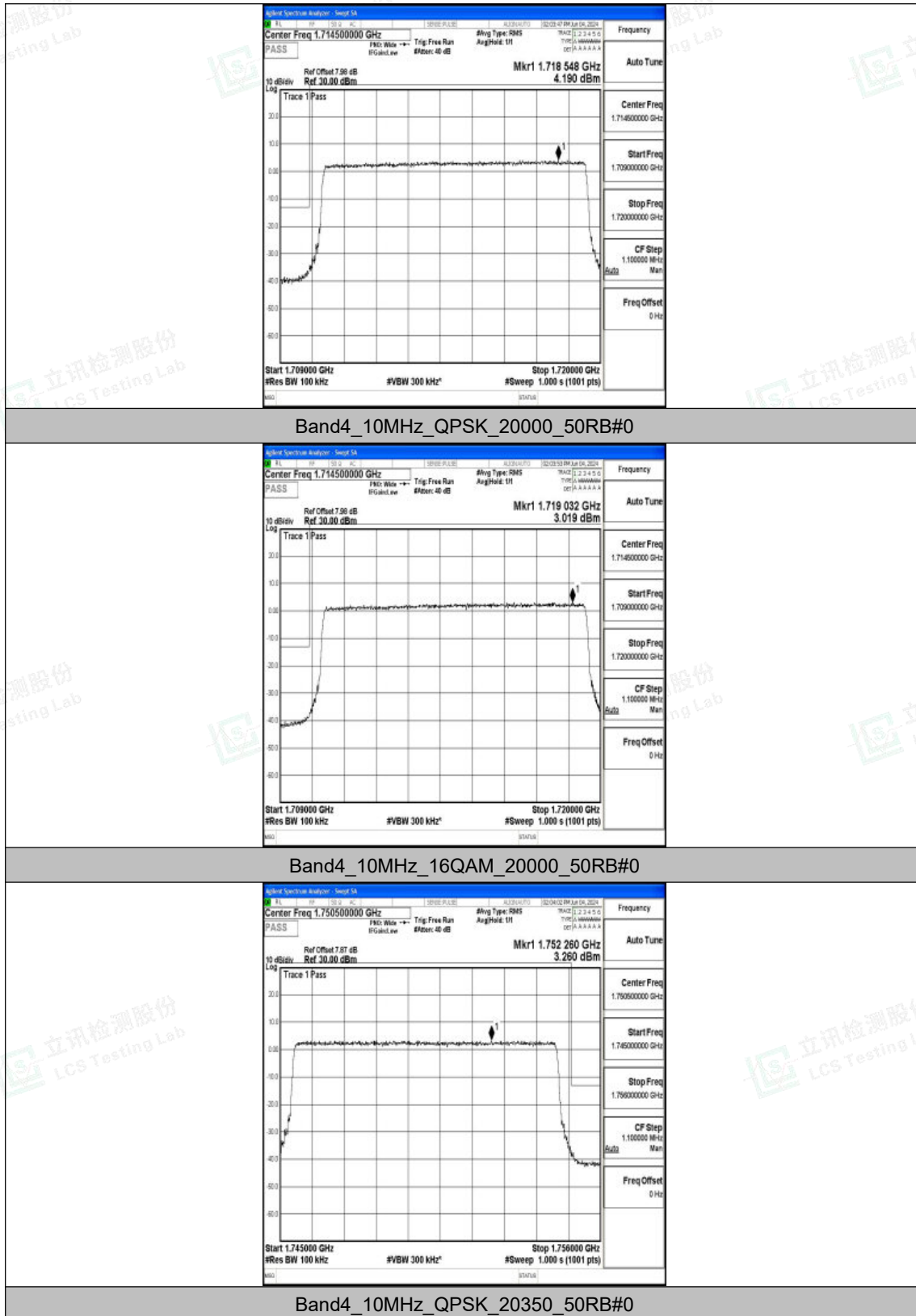


Band4_5MHz_QPSK_20375_25RB#0



Band4_5MHz_16QAM_20375_25RB#0



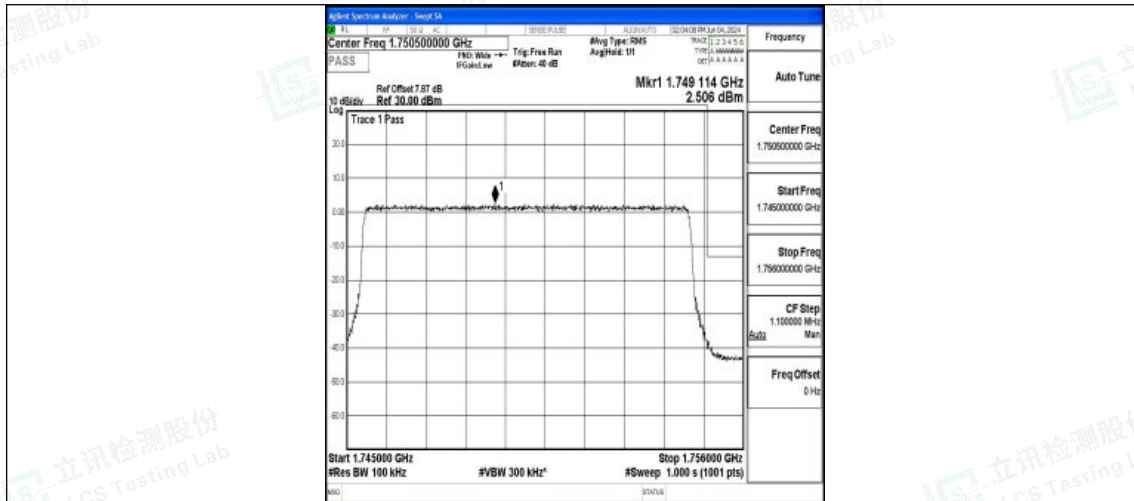


Shenzhen LCS Compliance Testing Laboratory Ltd.

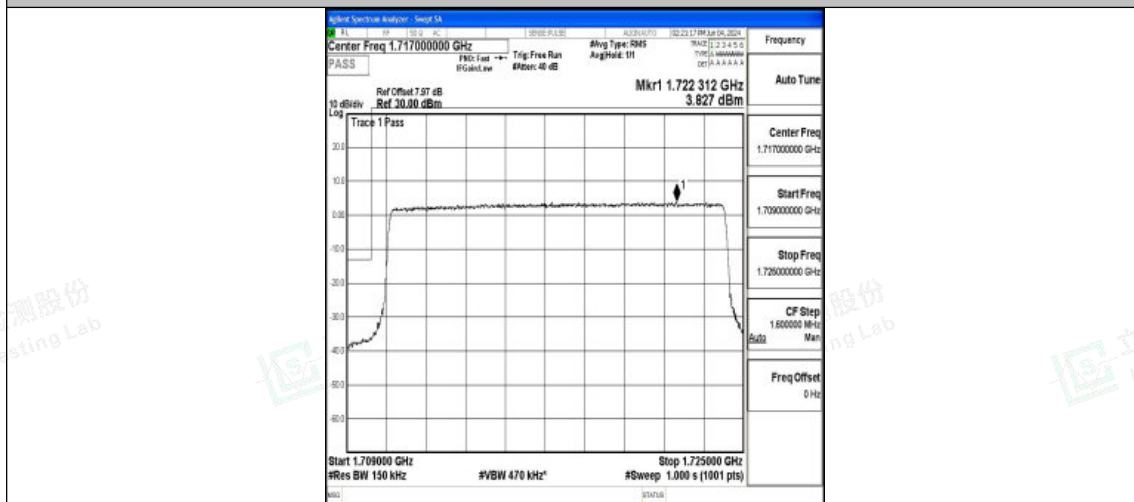
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

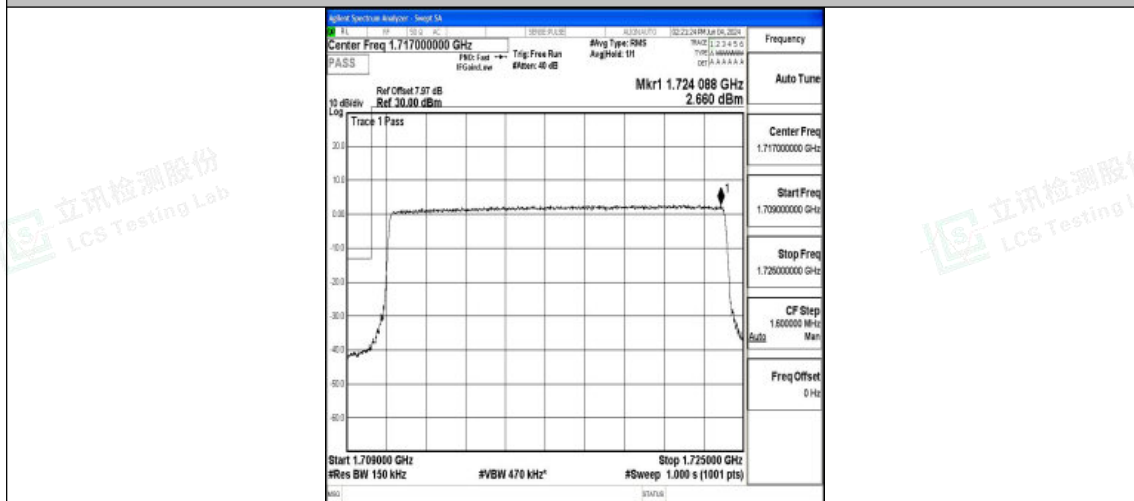
Scan code to check authenticity



Band4_10MHz_16QAM_20350_50RB#0

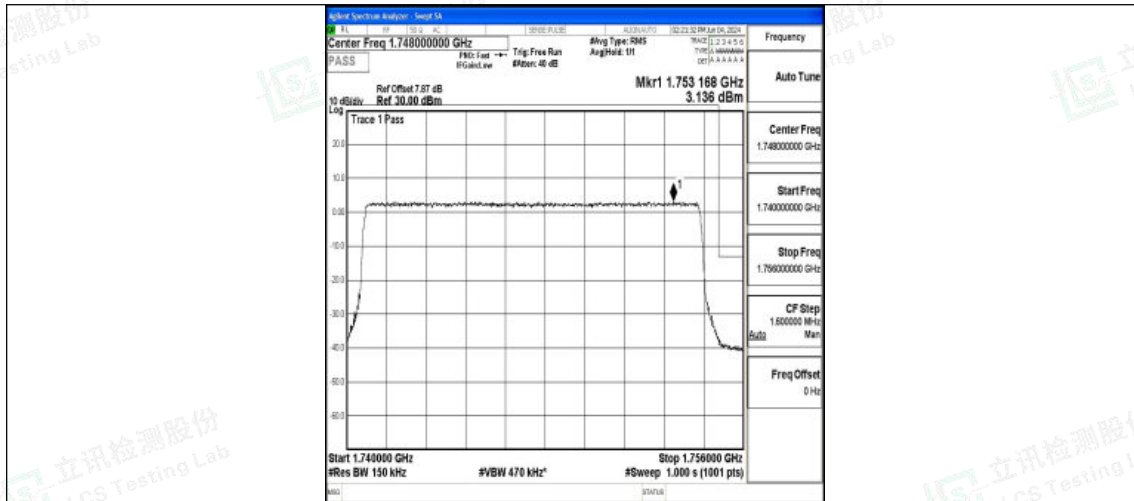


Band4_15MHz_QPSK_20025_75RB#0

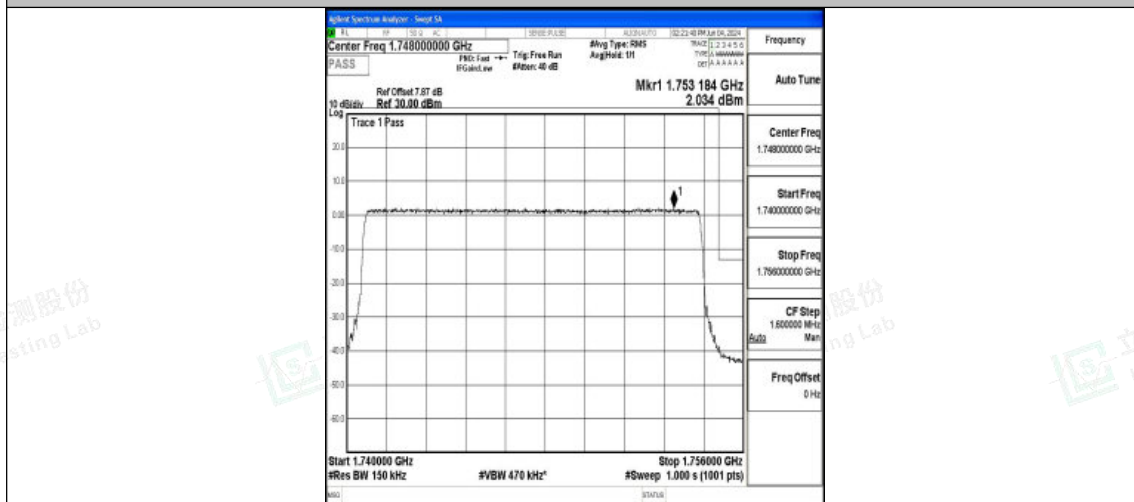


Band4_15MHz_16QAM_20025_75RB#0

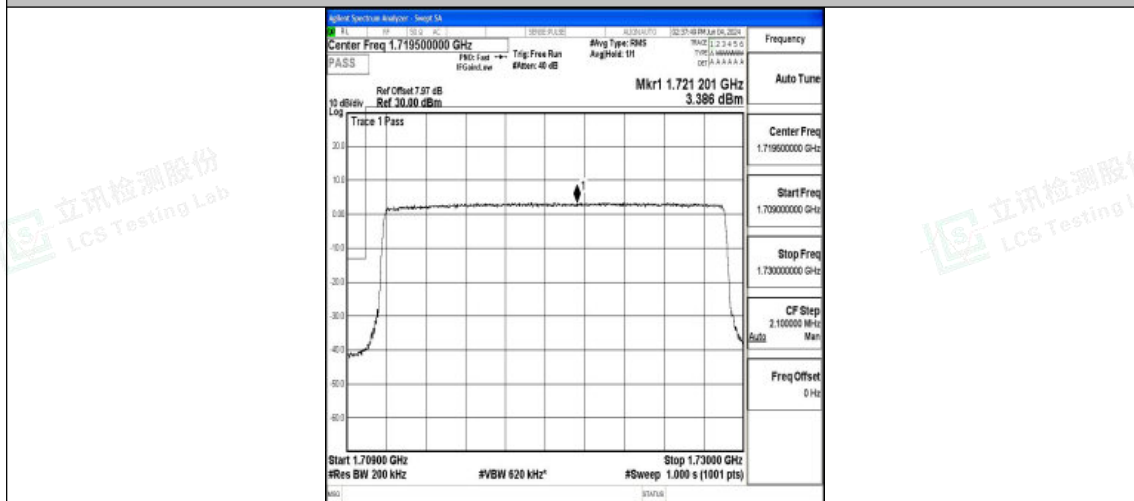




Band4_15MHz_QPSK_20325_75RB#0



Band4_15MHz_16QAM_20325_75RB#0



Band4_20MHz_QPSK_20050_100RB#0

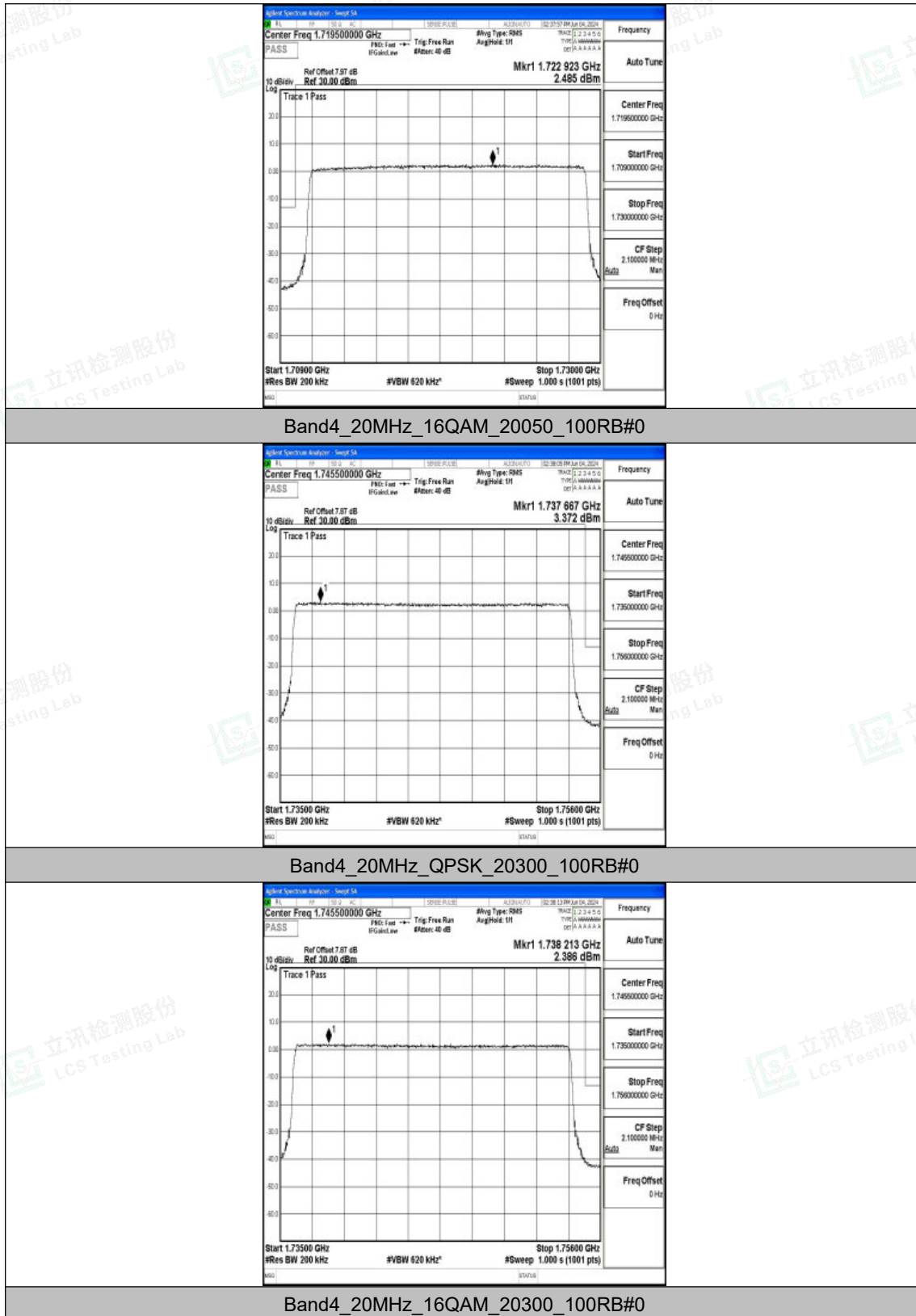


Shenzhen LCS Compliance Testing Laboratory Ltd.

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



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



G.5 Conducted Spurious Emission

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	0.009~0.15	-58.49	PASS
Band4	1.4MHz	QPSK	19957	1RB#0	0.15~30	-53.14	PASS
Band4	1.4MHz	QPSK	19957	1RB#0	30~1000	-61.99	PASS
Band4	1.4MHz	QPSK	19957	1RB#0	1000~3000	-37.38	PASS
Band4	1.4MHz	QPSK	19957	1RB#0	3000~20000	-32.97	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	0.009~0.15	-57.78	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	0.15~30	-51.12	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	30~1000	-62.39	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	1000~3000	-36.57	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	3000~20000	-33.17	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	0.009~0.15	-58.12	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	0.15~30	-53.21	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	30~1000	-62.12	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	1000~3000	-38.78	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	3000~20000	-33.11	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	0.009~0.15	-58.55	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	0.15~30	-49.72	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	30~1000	-62.08	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	1000~3000	-39.10	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	3000~20000	-32.92	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	0.009~0.15	-59.18	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	0.15~30	-51.35	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	30~1000	-62.24	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	1000~3000	-38.60	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	3000~20000	-33.22	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	0.009~0.15	-58.07	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	0.15~30	-50.77	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	30~1000	-62.03	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	1000~3000	-39.18	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	3000~20000	-33.43	PASS
Band4	3MHz	QPSK	19965	1RB#0	0.009~0.15	-58.75	PASS
Band4	3MHz	QPSK	19965	1RB#0	0.15~30	-51.90	PASS
Band4	3MHz	QPSK	19965	1RB#0	30~1000	-62.29	PASS
Band4	3MHz	QPSK	19965	1RB#0	1000~3000	-37.35	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



Band4	3MHz	QPSK	19965	1RB#0	3000~20000	-33.23	PASS
Band4	3MHz	16QAM	19965	1RB#0	0.009~0.15	-57.25	PASS
Band4	3MHz	16QAM	19965	1RB#0	0.15~30	-51.89	PASS
Band4	3MHz	16QAM	19965	1RB#0	30~1000	-62.12	PASS
Band4	3MHz	16QAM	19965	1RB#0	1000~3000	-38.05	PASS
Band4	3MHz	16QAM	19965	1RB#0	3000~20000	-33.26	PASS
Band4	3MHz	QPSK	20175	1RB#0	0.009~0.15	-54.31	PASS
Band4	3MHz	QPSK	20175	1RB#0	0.15~30	-54.13	PASS
Band4	3MHz	QPSK	20175	1RB#0	30~1000	-62.15	PASS
Band4	3MHz	QPSK	20175	1RB#0	1000~3000	-40.08	PASS
Band4	3MHz	QPSK	20175	1RB#0	3000~20000	-33.12	PASS
Band4	3MHz	16QAM	20175	1RB#0	0.009~0.15	-57.66	PASS
Band4	3MHz	16QAM	20175	1RB#0	0.15~30	-51.47	PASS
Band4	3MHz	16QAM	20175	1RB#0	30~1000	-61.92	PASS
Band4	3MHz	16QAM	20175	1RB#0	1000~3000	-39.08	PASS
Band4	3MHz	16QAM	20175	1RB#0	3000~20000	-33.13	PASS
Band4	3MHz	QPSK	20385	1RB#0	0.009~0.15	-58.06	PASS
Band4	3MHz	QPSK	20385	1RB#0	0.15~30	-50.95	PASS
Band4	3MHz	QPSK	20385	1RB#0	30~1000	-62.21	PASS
Band4	3MHz	QPSK	20385	1RB#0	1000~3000	-45.69	PASS
Band4	3MHz	QPSK	20385	1RB#0	3000~20000	-32.86	PASS
Band4	3MHz	16QAM	20385	1RB#0	0.009~0.15	-58.16	PASS
Band4	3MHz	16QAM	20385	1RB#0	0.15~30	-52.65	PASS
Band4	3MHz	16QAM	20385	1RB#0	30~1000	-62.04	PASS
Band4	3MHz	16QAM	20385	1RB#0	1000~3000	-41.81	PASS
Band4	3MHz	16QAM	20385	1RB#0	3000~20000	-33.24	PASS
Band4	5MHz	QPSK	19975	1RB#0	0.009~0.15	-58.80	PASS
Band4	5MHz	QPSK	19975	1RB#0	0.15~30	-53.18	PASS
Band4	5MHz	QPSK	19975	1RB#0	30~1000	-62.13	PASS
Band4	5MHz	QPSK	19975	1RB#0	1000~3000	-37.57	PASS
Band4	5MHz	QPSK	19975	1RB#0	3000~20000	-33.09	PASS
Band4	5MHz	16QAM	19975	1RB#0	0.009~0.15	-58.88	PASS
Band4	5MHz	16QAM	19975	1RB#0	0.15~30	-51.83	PASS
Band4	5MHz	16QAM	19975	1RB#0	30~1000	-62.23	PASS
Band4	5MHz	16QAM	19975	1RB#0	1000~3000	-29.07	PASS
Band4	5MHz	16QAM	19975	1RB#0	3000~20000	-33.16	PASS
Band4	5MHz	QPSK	20175	1RB#0	0.009~0.15	-55.09	PASS
Band4	5MHz	QPSK	20175	1RB#0	0.15~30	-52.68	PASS
Band4	5MHz	QPSK	20175	1RB#0	30~1000	-62.09	PASS
Band4	5MHz	QPSK	20175	1RB#0	1000~3000	-41.58	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



Band4	5MHz	QPSK	20175	1RB#0	3000~20000	-33.14	PASS
Band4	5MHz	16QAM	20175	1RB#0	0.009~0.15	-55.07	PASS
Band4	5MHz	16QAM	20175	1RB#0	0.15~30	-53.23	PASS
Band4	5MHz	16QAM	20175	1RB#0	30~1000	-62.92	PASS
Band4	5MHz	16QAM	20175	1RB#0	1000~3000	-39.10	PASS
Band4	5MHz	16QAM	20175	1RB#0	3000~20000	-33.38	PASS
Band4	5MHz	QPSK	20375	1RB#0	0.009~0.15	-58.34	PASS
Band4	5MHz	QPSK	20375	1RB#0	0.15~30	-51.98	PASS
Band4	5MHz	QPSK	20375	1RB#0	30~1000	-62.89	PASS
Band4	5MHz	QPSK	20375	1RB#0	1000~3000	-44.68	PASS
Band4	5MHz	QPSK	20375	1RB#0	3000~20000	-33.10	PASS
Band4	5MHz	16QAM	20375	1RB#0	0.009~0.15	-57.64	PASS
Band4	5MHz	16QAM	20375	1RB#0	0.15~30	-51.53	PASS
Band4	5MHz	16QAM	20375	1RB#0	30~1000	-62.74	PASS
Band4	5MHz	16QAM	20375	1RB#0	1000~3000	-45.15	PASS
Band4	5MHz	16QAM	20375	1RB#0	3000~20000	-33.11	PASS
Band4	10MHz	QPSK	20000	1RB#0	0.009~0.15	-56.14	PASS
Band4	10MHz	QPSK	20000	1RB#0	0.15~30	-52.60	PASS
Band4	10MHz	QPSK	20000	1RB#0	30~1000	-62.19	PASS
Band4	10MHz	QPSK	20000	1RB#0	1000~3000	-39.61	PASS
Band4	10MHz	QPSK	20000	1RB#0	3000~20000	-33.00	PASS
Band4	10MHz	16QAM	20000	1RB#0	0.009~0.15	-58.47	PASS
Band4	10MHz	16QAM	20000	1RB#0	0.15~30	-52.23	PASS
Band4	10MHz	16QAM	20000	1RB#0	30~1000	-61.86	PASS
Band4	10MHz	16QAM	20000	1RB#0	1000~3000	-38.02	PASS
Band4	10MHz	16QAM	20000	1RB#0	3000~20000	-32.68	PASS
Band4	10MHz	QPSK	20175	1RB#0	0.009~0.15	-58.01	PASS
Band4	10MHz	QPSK	20175	1RB#0	0.15~30	-52.19	PASS
Band4	10MHz	QPSK	20175	1RB#0	30~1000	-61.82	PASS
Band4	10MHz	QPSK	20175	1RB#0	1000~3000	-39.06	PASS
Band4	10MHz	QPSK	20175	1RB#0	3000~20000	-32.58	PASS
Band4	10MHz	16QAM	20175	1RB#0	0.009~0.15	-56.90	PASS
Band4	10MHz	16QAM	20175	1RB#0	0.15~30	-50.76	PASS
Band4	10MHz	16QAM	20175	1RB#0	30~1000	-62.02	PASS
Band4	10MHz	16QAM	20175	1RB#0	1000~3000	-39.91	PASS
Band4	10MHz	16QAM	20175	1RB#0	3000~20000	-32.74	PASS
Band4	10MHz	QPSK	20350	1RB#0	0.009~0.15	-59.74	PASS
Band4	10MHz	QPSK	20350	1RB#0	0.15~30	-50.94	PASS
Band4	10MHz	QPSK	20350	1RB#0	30~1000	-62.13	PASS
Band4	10MHz	QPSK	20350	1RB#0	1000~3000	-44.33	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



Band4	10MHz	QPSK	20350	1RB#0	3000~20000	-33.19	PASS
Band4	10MHz	16QAM	20350	1RB#0	0.009~0.15	-57.52	PASS
Band4	10MHz	16QAM	20350	1RB#0	0.15~30	-52.84	PASS
Band4	10MHz	16QAM	20350	1RB#0	30~1000	-61.92	PASS
Band4	10MHz	16QAM	20350	1RB#0	1000~3000	-43.75	PASS
Band4	10MHz	16QAM	20350	1RB#0	3000~20000	-33.24	PASS
Band4	15MHz	QPSK	20025	1RB#0	0.009~0.15	-57.38	PASS
Band4	15MHz	QPSK	20025	1RB#0	0.15~30	-51.35	PASS
Band4	15MHz	QPSK	20025	1RB#0	30~1000	-62.75	PASS
Band4	15MHz	QPSK	20025	1RB#0	1000~3000	-39.62	PASS
Band4	15MHz	QPSK	20025	1RB#0	3000~20000	-32.70	PASS
Band4	15MHz	16QAM	20025	1RB#0	0.009~0.15	-56.35	PASS
Band4	15MHz	16QAM	20025	1RB#0	0.15~30	-53.70	PASS
Band4	15MHz	16QAM	20025	1RB#0	30~1000	-62.54	PASS
Band4	15MHz	16QAM	20025	1RB#0	1000~3000	-39.08	PASS
Band4	15MHz	16QAM	20025	1RB#0	3000~20000	-33.24	PASS
Band4	15MHz	QPSK	20175	1RB#0	0.009~0.15	-58.72	PASS
Band4	15MHz	QPSK	20175	1RB#0	0.15~30	-50.26	PASS
Band4	15MHz	QPSK	20175	1RB#0	30~1000	-62.96	PASS
Band4	15MHz	QPSK	20175	1RB#0	1000~3000	-39.39	PASS
Band4	15MHz	QPSK	20175	1RB#0	3000~20000	-33.30	PASS
Band4	15MHz	16QAM	20175	1RB#0	0.009~0.15	-57.42	PASS
Band4	15MHz	16QAM	20175	1RB#0	0.15~30	-50.95	PASS
Band4	15MHz	16QAM	20175	1RB#0	30~1000	-63.07	PASS
Band4	15MHz	16QAM	20175	1RB#0	1000~3000	-38.16	PASS
Band4	15MHz	16QAM	20175	1RB#0	3000~20000	-32.93	PASS
Band4	15MHz	QPSK	20325	1RB#0	0.009~0.15	-55.15	PASS
Band4	15MHz	QPSK	20325	1RB#0	0.15~30	-52.34	PASS
Band4	15MHz	QPSK	20325	1RB#0	30~1000	-62.18	PASS
Band4	15MHz	QPSK	20325	1RB#0	1000~3000	-44.64	PASS
Band4	15MHz	QPSK	20325	1RB#0	3000~20000	-33.47	PASS
Band4	15MHz	16QAM	20325	1RB#0	0.009~0.15	-56.52	PASS
Band4	15MHz	16QAM	20325	1RB#0	0.15~30	-55.60	PASS
Band4	15MHz	16QAM	20325	1RB#0	30~1000	-62.07	PASS
Band4	15MHz	16QAM	20325	1RB#0	1000~3000	-41.39	PASS
Band4	15MHz	16QAM	20325	1RB#0	3000~20000	-32.67	PASS
Band4	20MHz	QPSK	20050	1RB#0	0.009~0.15	-58.76	PASS
Band4	20MHz	QPSK	20050	1RB#0	0.15~30	-52.02	PASS
Band4	20MHz	QPSK	20050	1RB#0	30~1000	-62.13	PASS
Band4	20MHz	QPSK	20050	1RB#0	1000~3000	-36.45	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

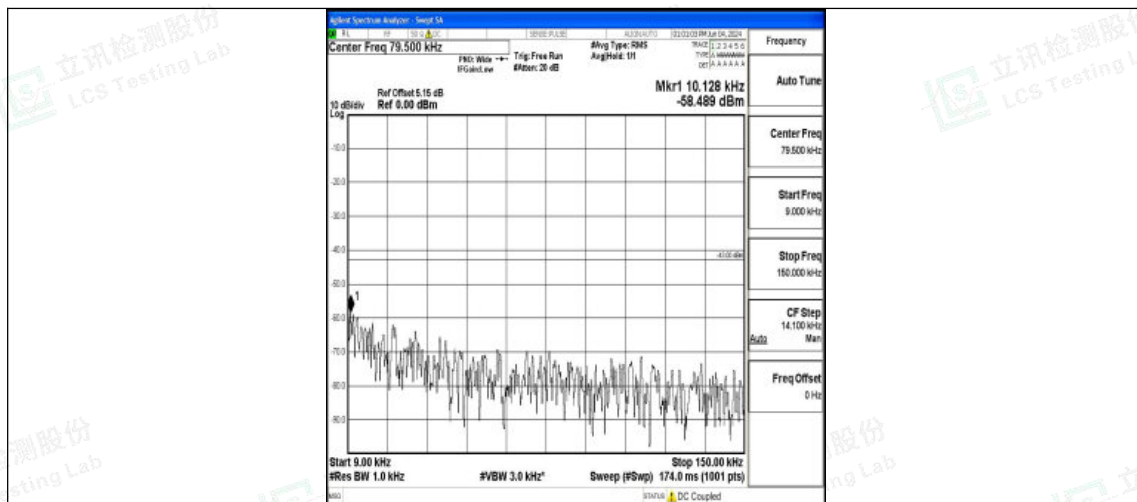
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

Scan code to check authenticity



Band4	20MHz	QPSK	20050	1RB#0	3000~20000	-32.74	PASS
Band4	20MHz	16QAM	20050	1RB#0	0.009~0.15	-56.07	PASS
Band4	20MHz	16QAM	20050	1RB#0	0.15~30	-52.89	PASS
Band4	20MHz	16QAM	20050	1RB#0	30~1000	-62.17	PASS
Band4	20MHz	16QAM	20050	1RB#0	1000~3000	-38.67	PASS
Band4	20MHz	16QAM	20050	1RB#0	3000~20000	-33.08	PASS
Band4	20MHz	QPSK	20175	1RB#0	0.009~0.15	-55.79	PASS
Band4	20MHz	QPSK	20175	1RB#0	0.15~30	-51.52	PASS
Band4	20MHz	QPSK	20175	1RB#0	30~1000	-61.78	PASS
Band4	20MHz	QPSK	20175	1RB#0	1000~3000	-40.55	PASS
Band4	20MHz	QPSK	20175	1RB#0	3000~20000	-33.14	PASS
Band4	20MHz	16QAM	20175	1RB#0	0.009~0.15	-55.70	PASS
Band4	20MHz	16QAM	20175	1RB#0	0.15~30	-51.44	PASS
Band4	20MHz	16QAM	20175	1RB#0	30~1000	-62.23	PASS
Band4	20MHz	16QAM	20175	1RB#0	1000~3000	-42.65	PASS
Band4	20MHz	16QAM	20175	1RB#0	3000~20000	-32.75	PASS
Band4	20MHz	QPSK	20300	1RB#0	0.009~0.15	-57.81	PASS
Band4	20MHz	QPSK	20300	1RB#0	0.15~30	-51.81	PASS
Band4	20MHz	QPSK	20300	1RB#0	30~1000	-62.05	PASS
Band4	20MHz	QPSK	20300	1RB#0	1000~3000	-47.73	PASS
Band4	20MHz	QPSK	20300	1RB#0	3000~20000	-32.68	PASS
Band4	20MHz	16QAM	20300	1RB#0	0.009~0.15	-55.07	PASS
Band4	20MHz	16QAM	20300	1RB#0	0.15~30	-53.01	PASS
Band4	20MHz	16QAM	20300	1RB#0	30~1000	-62.19	PASS
Band4	20MHz	16QAM	20300	1RB#0	1000~3000	-47.67	PASS
Band4	20MHz	16QAM	20300	1RB#0	3000~20000	-33.12	PASS

Test Graphs



Shenzhen LCS Compliance Testing Laboratory Ltd.

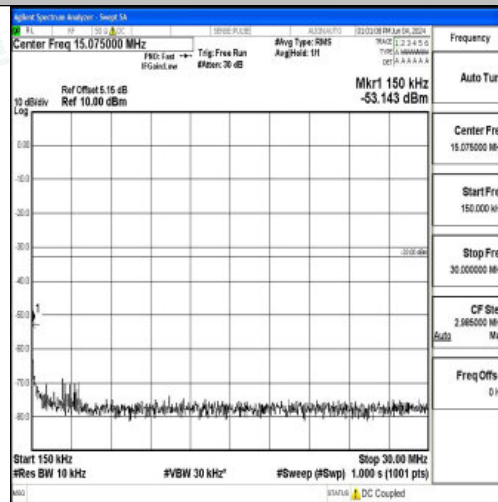
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

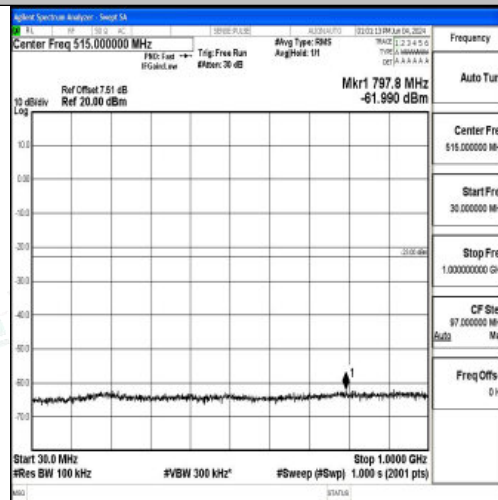
Scan code to check authenticity



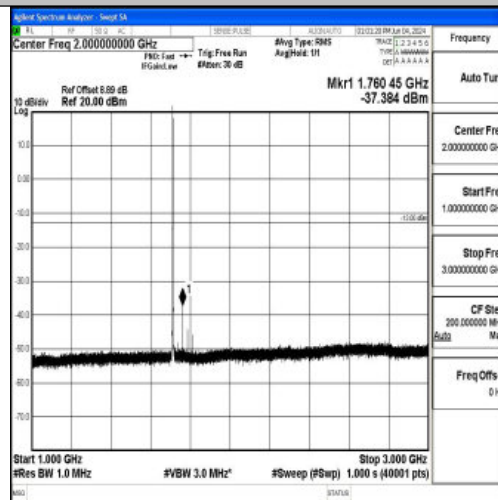
Band4_1.4MHz_QPSK_19957_1RB#0_0.009~0.15_0.009~0.15



Band4_1.4MHz_QPSK_19957_1RB#0_0.15~30_0.15~30



Band4_1.4MHz_QPSK_19957_1RB#0_30~1000_30~1000



Band4_1.4MHz_QPSK_19957_1RB#0_1000~3000_1000~3000

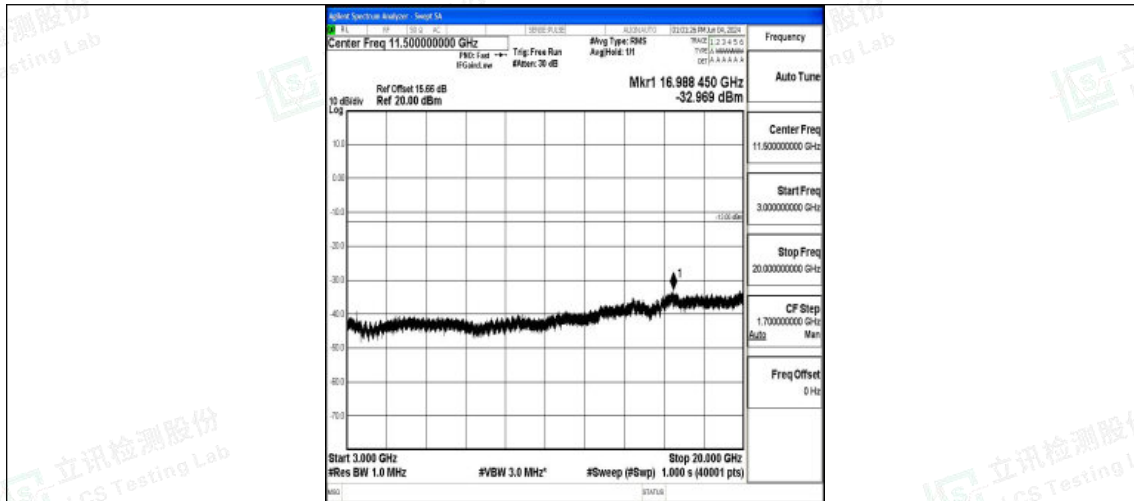


Shenzhen LCS Compliance Testing Laboratory Ltd.

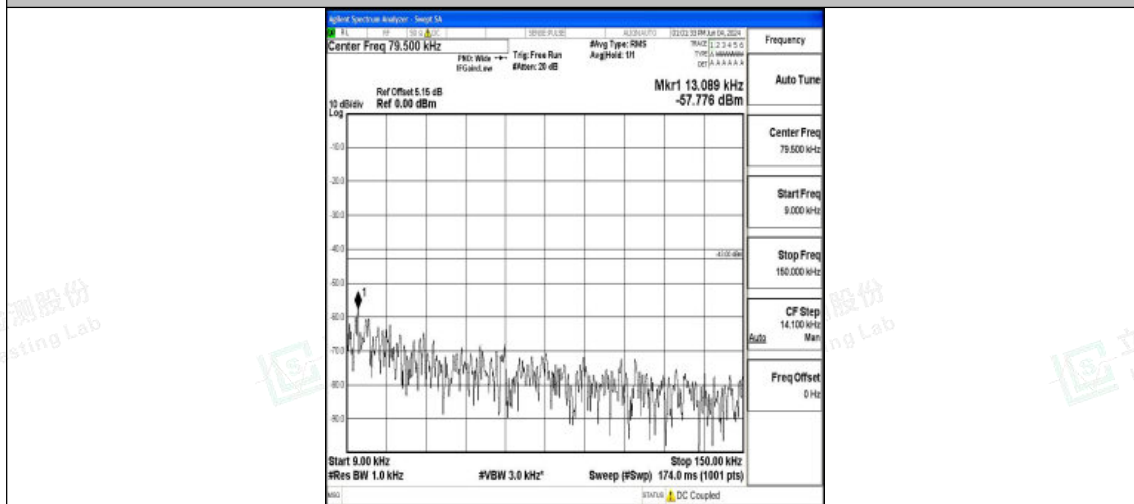
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

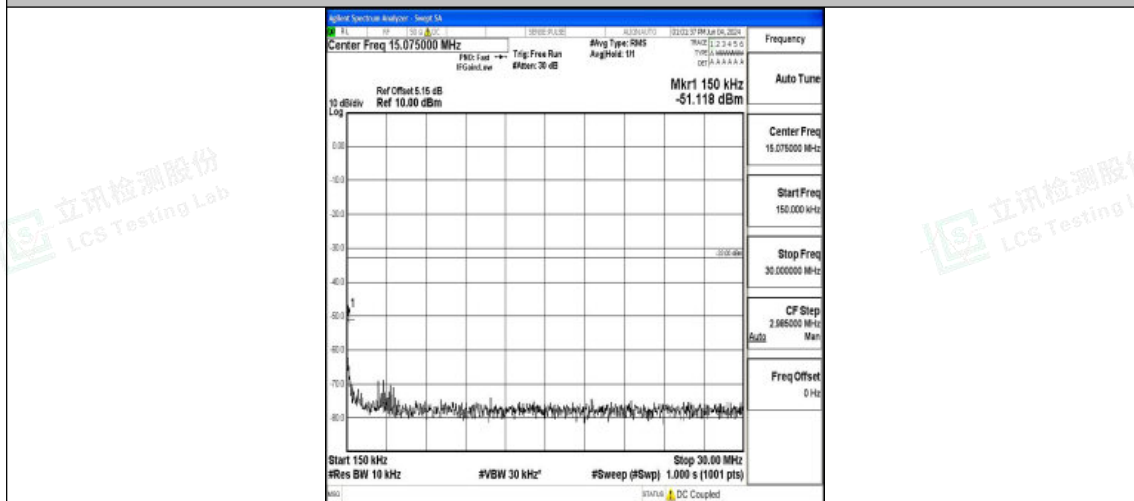
Scan code to check authenticity



Band4_1.4MHz_QPSK_19957_1RB#0_3000~20000_3000~20000

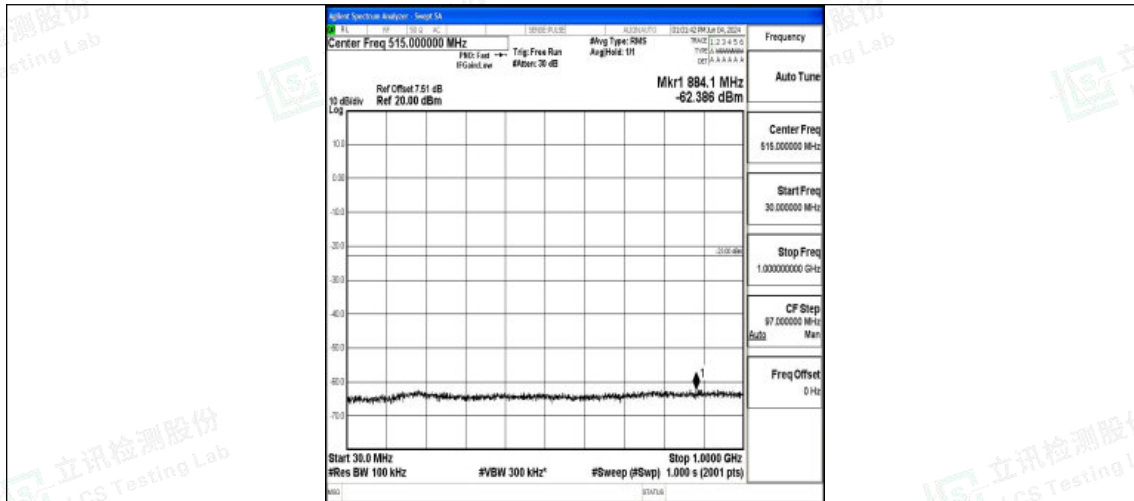


Band4_1.4MHz_16QAM_19957_1RB#0_0.009~0.15_0.009~0.15

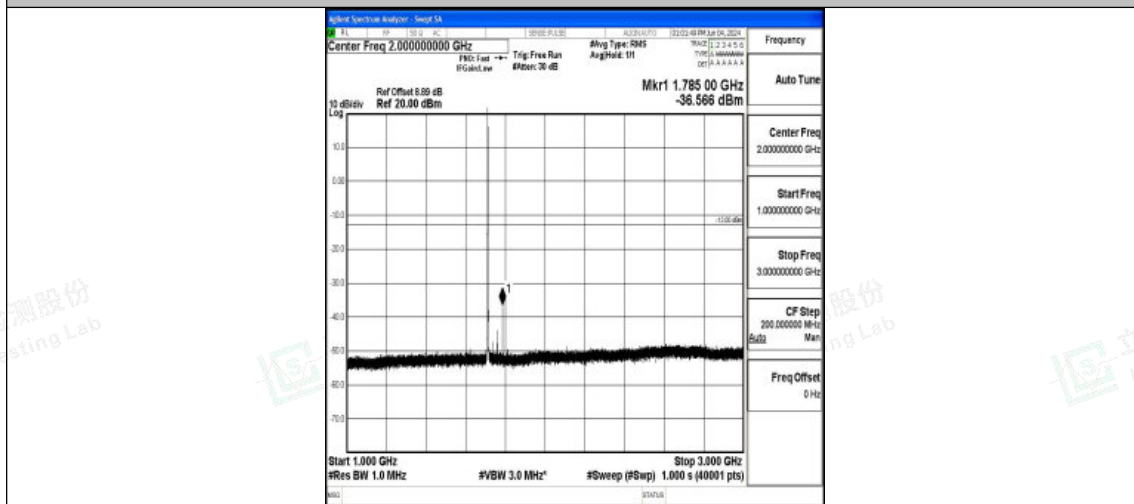


Band4_1.4MHz_16QAM_19957_1RB#0_0.15~30_0.15~30

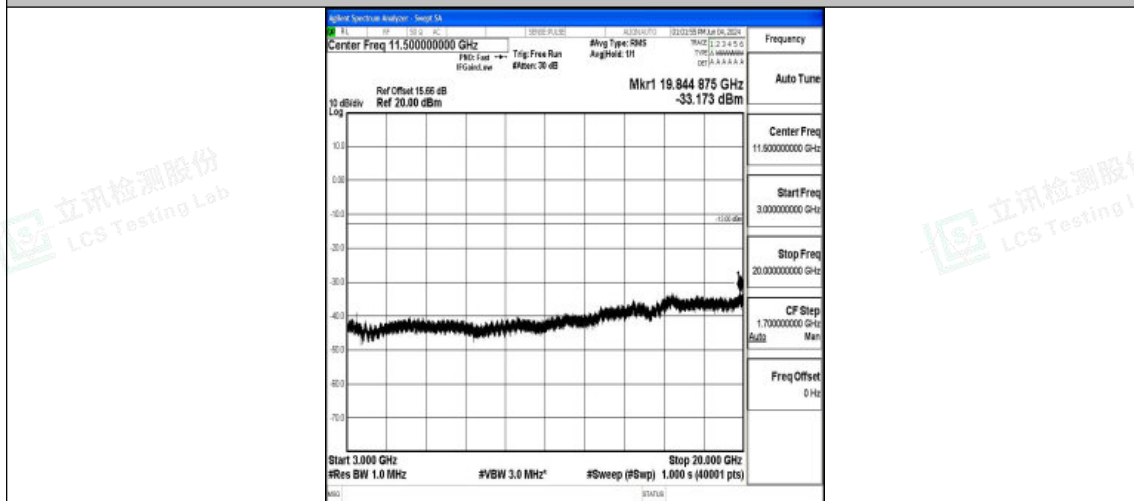




Band4_1.4MHz_16QAM_19957_1RB#0_30~1000_30~1000

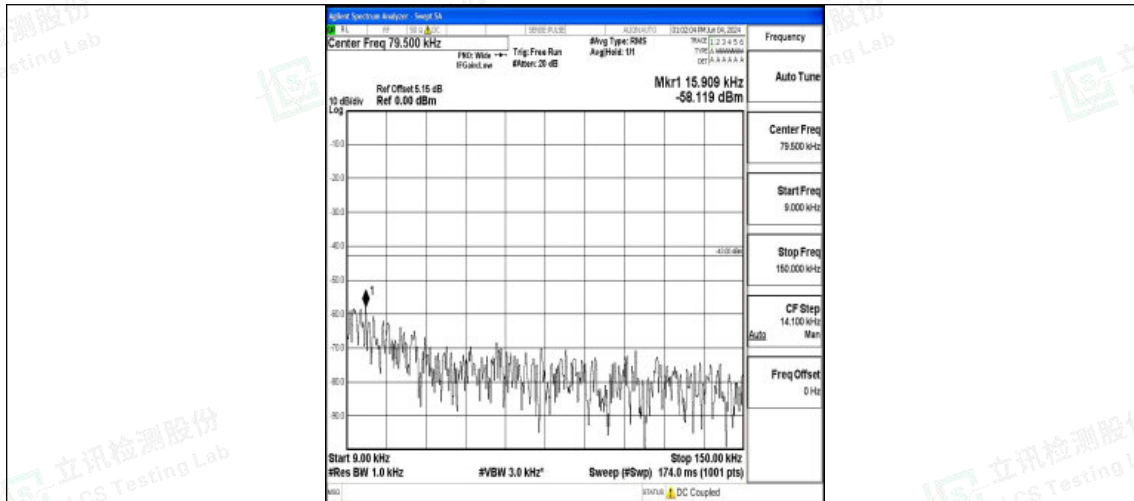


Band4_1.4MHz_16QAM_19957_1RB#0_1000~3000_1000~3000

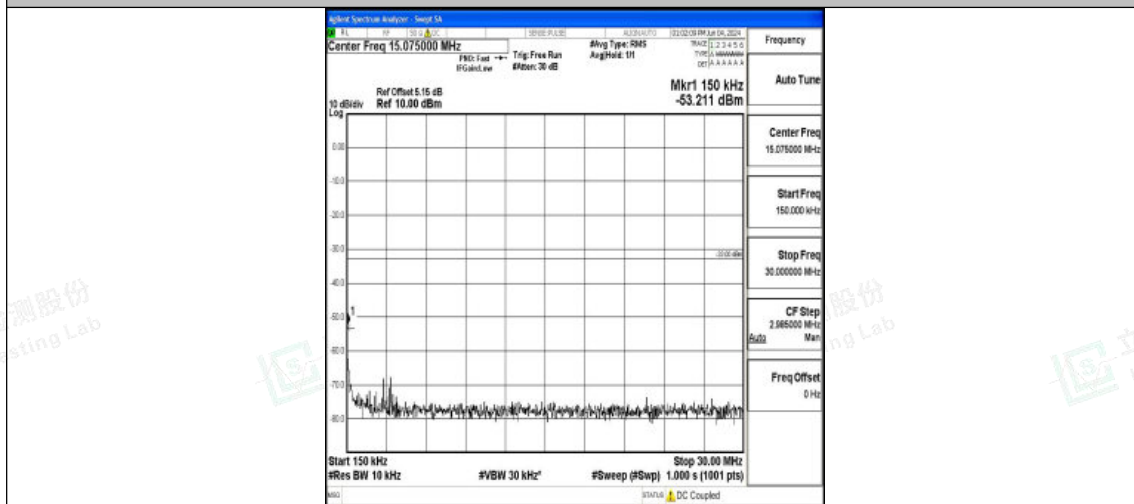


Band4_1.4MHz_16QAM_19957_1RB#0_3000~20000_3000~20000

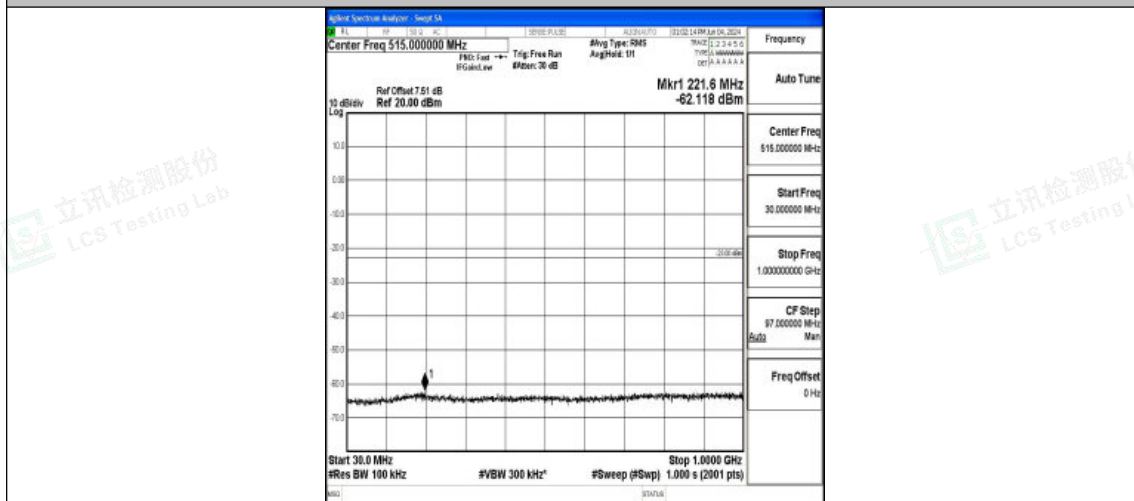




Band4_1.4MHz_QPSK_20175_1RB#0_0.009~0.15_0.009~0.15



Band4_1.4MHz_QPSK_20175_1RB#0_0.15~30_0.15~30



Band4_1.4MHz_QPSK_20175_1RB#0_30~1000_30~1000

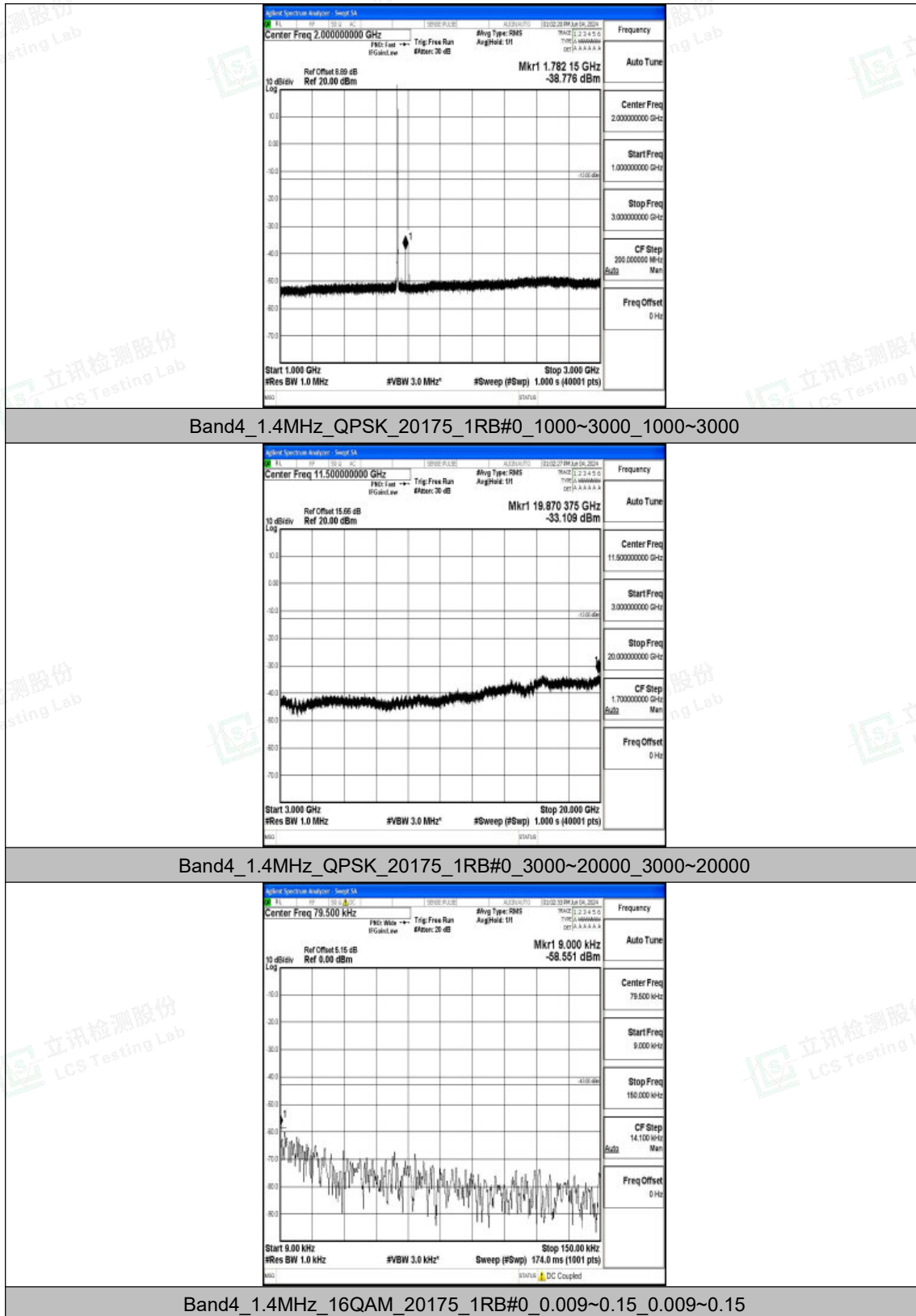


Shenzhen LCS Compliance Testing Laboratory Ltd.

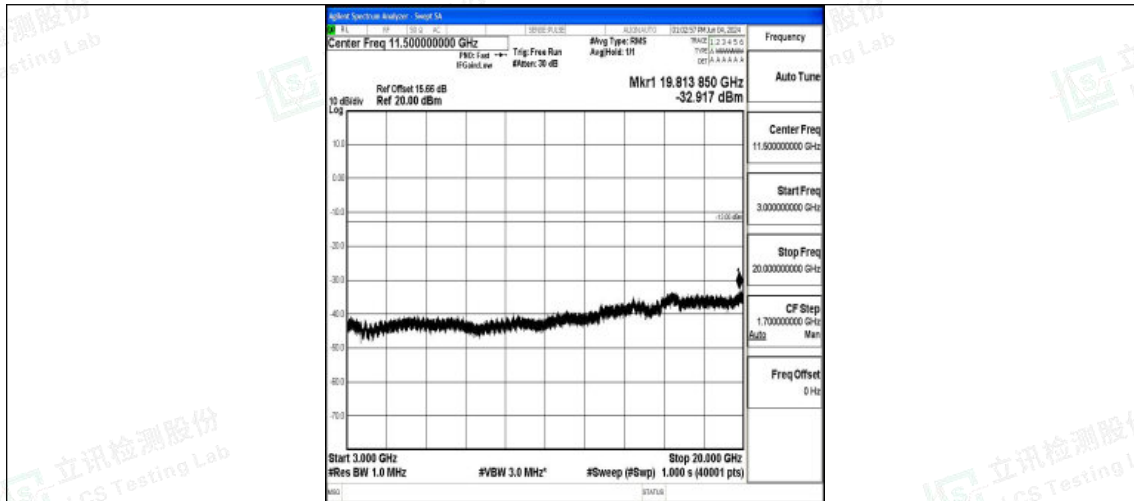
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

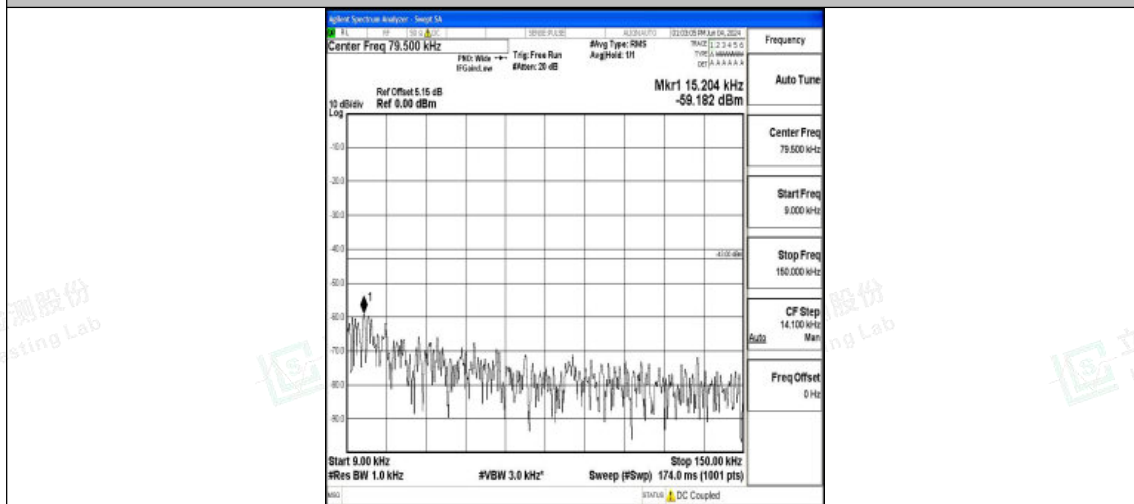
Scan code to check authenticity



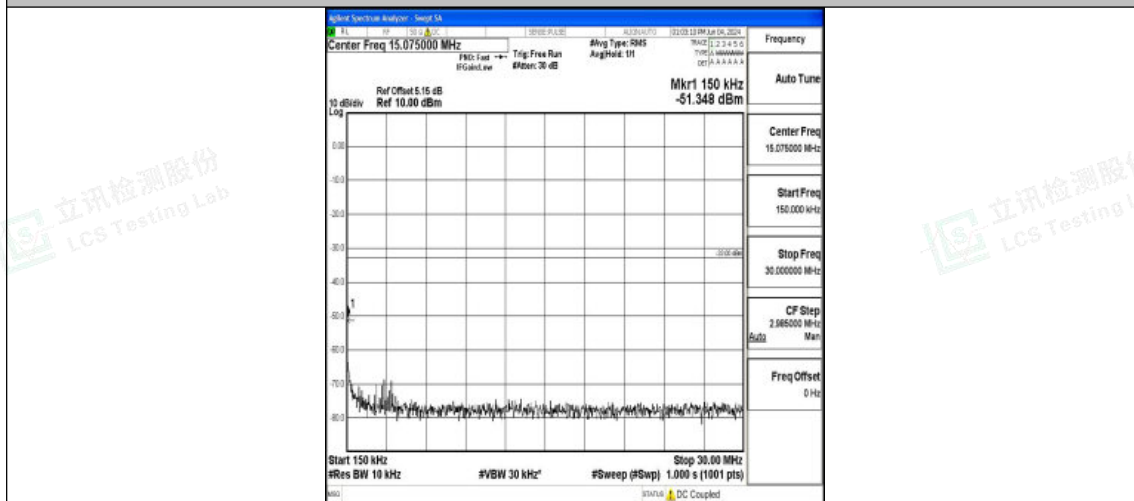




Band4_1.4MHz_16QAM_20175_1RB#0_3000~20000_3000~20000



Band4_1.4MHz_QPSK_20393_1RB#0_0.009~0.15_0.009~0.15



Band4_1.4MHz_QPSK_20393_1RB#0_0.15~30_0.15~30



