



Appendix G: Test Data for E-UTRA Band 12

Product Name: 4G Phone
Test Model: SmartVision3 – KAP22000

Environmental Conditions

Temperature:	23.8° C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Taylor Hu





G.1 Conducted Output Power Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	22.18	PASS
Band12	1.4MHz	QPSK	23017	1RB#2	22.33	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	22.21	PASS
Band12	1.4MHz	QPSK	23017	3RB#0	22.26	PASS
Band12	1.4MHz	QPSK	23017	3RB#1	22.24	PASS
Band12	1.4MHz	QPSK	23017	3RB#3	22.32	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	21.22	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	22.21	PASS
Band12	1.4MHz	QPSK	23095	1RB#2	22.25	PASS
Band12	1.4MHz	QPSK	23095	1RB#5	22.12	PASS
Band12	1.4MHz	QPSK	23095	3RB#0	22.26	PASS
Band12	1.4MHz	QPSK	23095	3RB#1	22.22	PASS
Band12	1.4MHz	QPSK	23095	3RB#3	22.29	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	21.21	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	21.98	PASS
Band12	1.4MHz	QPSK	23173	1RB#2	22.12	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	21.99	PASS
Band12	1.4MHz	QPSK	23173	3RB#0	22.06	PASS
Band12	1.4MHz	QPSK	23173	3RB#1	22.07	PASS
Band12	1.4MHz	QPSK	23173	3RB#3	22.10	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	21.04	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	21.25	PASS
Band12	1.4MHz	16QAM	23017	1RB#2	21.54	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	21.36	PASS
Band12	1.4MHz	16QAM	23017	3RB#0	21.14	PASS
Band12	1.4MHz	16QAM	23017	3RB#1	21.13	PASS
Band12	1.4MHz	16QAM	23017	3RB#3	21.20	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	20.34	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	21.32	PASS
Band12	1.4MHz	16QAM	23095	1RB#2	21.45	PASS
Band12	1.4MHz	16QAM	23095	1RB#5	21.32	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



Band12	1.4MHz	16QAM	23095	3RB#0	21.14	PASS
Band12	1.4MHz	16QAM	23095	3RB#1	21.14	PASS
Band12	1.4MHz	16QAM	23095	3RB#3	21.12	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	20.14	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	20.85	PASS
Band12	1.4MHz	16QAM	23173	1RB#2	21.14	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	20.84	PASS
Band12	1.4MHz	16QAM	23173	3RB#0	20.91	PASS
Band12	1.4MHz	16QAM	23173	3RB#1	20.92	PASS
Band12	1.4MHz	16QAM	23173	3RB#3	20.91	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	20.08	PASS
Band12	3MHz	QPSK	23025	1RB#0	22.32	PASS
Band12	3MHz	QPSK	23025	1RB#8	22.27	PASS
Band12	3MHz	QPSK	23025	1RB#14	22.33	PASS
Band12	3MHz	QPSK	23025	8RB#0	21.26	PASS
Band12	3MHz	QPSK	23025	8RB#4	21.28	PASS
Band12	3MHz	QPSK	23025	8RB#7	21.32	PASS
Band12	3MHz	QPSK	23025	15RB#0	21.30	PASS
Band12	3MHz	QPSK	23095	1RB#0	22.18	PASS
Band12	3MHz	QPSK	23095	1RB#8	22.21	PASS
Band12	3MHz	QPSK	23095	1RB#14	22.15	PASS
Band12	3MHz	QPSK	23095	8RB#0	21.14	PASS
Band12	3MHz	QPSK	23095	8RB#4	21.21	PASS
Band12	3MHz	QPSK	23095	8RB#7	21.13	PASS
Band12	3MHz	QPSK	23095	15RB#0	21.09	PASS
Band12	3MHz	QPSK	23165	1RB#0	22.06	PASS
Band12	3MHz	QPSK	23165	1RB#8	22.00	PASS
Band12	3MHz	QPSK	23165	1RB#14	21.97	PASS
Band12	3MHz	QPSK	23165	8RB#0	21.11	PASS
Band12	3MHz	QPSK	23165	8RB#4	21.02	PASS
Band12	3MHz	QPSK	23165	8RB#7	20.98	PASS
Band12	3MHz	QPSK	23165	15RB#0	21.05	PASS
Band12	3MHz	16QAM	23025	1RB#0	21.43	PASS
Band12	3MHz	16QAM	23025	1RB#8	21.48	PASS
Band12	3MHz	16QAM	23025	1RB#14	21.41	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



Band12	3MHz	16QAM	23025	8RB#0	20.39	PASS
Band12	3MHz	16QAM	23025	8RB#4	20.40	PASS
Band12	3MHz	16QAM	23025	8RB#7	20.41	PASS
Band12	3MHz	16QAM	23025	15RB#0	20.34	PASS
Band12	3MHz	16QAM	23095	1RB#0	21.43	PASS
Band12	3MHz	16QAM	23095	1RB#8	21.35	PASS
Band12	3MHz	16QAM	23095	1RB#14	21.29	PASS
Band12	3MHz	16QAM	23095	8RB#0	20.29	PASS
Band12	3MHz	16QAM	23095	8RB#4	20.27	PASS
Band12	3MHz	16QAM	23095	8RB#7	20.18	PASS
Band12	3MHz	16QAM	23095	15RB#0	20.14	PASS
Band12	3MHz	16QAM	23165	1RB#0	20.94	PASS
Band12	3MHz	16QAM	23165	1RB#8	20.87	PASS
Band12	3MHz	16QAM	23165	1RB#14	20.89	PASS
Band12	3MHz	16QAM	23165	8RB#0	20.12	PASS
Band12	3MHz	16QAM	23165	8RB#4	20.09	PASS
Band12	3MHz	16QAM	23165	8RB#7	20.04	PASS
Band12	3MHz	16QAM	23165	15RB#0	19.95	PASS
Band12	5MHz	QPSK	23035	1RB#0	22.25	PASS
Band12	5MHz	QPSK	23035	1RB#12	22.35	PASS
Band12	5MHz	QPSK	23035	1RB#24	22.14	PASS
Band12	5MHz	QPSK	23035	12RB#0	21.20	PASS
Band12	5MHz	QPSK	23035	12RB#6	21.20	PASS
Band12	5MHz	QPSK	23035	12RB#13	21.30	PASS
Band12	5MHz	QPSK	23035	25RB#0	21.23	PASS
Band12	5MHz	QPSK	23095	1RB#0	22.19	PASS
Band12	5MHz	QPSK	23095	1RB#12	22.23	PASS
Band12	5MHz	QPSK	23095	1RB#24	22.17	PASS
Band12	5MHz	QPSK	23095	12RB#0	21.21	PASS
Band12	5MHz	QPSK	23095	12RB#6	21.16	PASS
Band12	5MHz	QPSK	23095	12RB#13	21.12	PASS
Band12	5MHz	QPSK	23095	25RB#0	21.16	PASS
Band12	5MHz	QPSK	23155	1RB#0	22.03	PASS
Band12	5MHz	QPSK	23155	1RB#12	22.11	PASS
Band12	5MHz	QPSK	23155	1RB#24	21.97	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



Band12	5MHz	QPSK	23155	12RB#0	21.02	PASS
Band12	5MHz	QPSK	23155	12RB#6	21.02	PASS
Band12	5MHz	QPSK	23155	12RB#13	20.92	PASS
Band12	5MHz	QPSK	23155	25RB#0	20.96	PASS
Band12	5MHz	16QAM	23035	1RB#0	21.25	PASS
Band12	5MHz	16QAM	23035	1RB#12	21.40	PASS
Band12	5MHz	16QAM	23035	1RB#24	21.18	PASS
Band12	5MHz	16QAM	23035	12RB#0	20.30	PASS
Band12	5MHz	16QAM	23035	12RB#6	20.25	PASS
Band12	5MHz	16QAM	23035	12RB#13	20.28	PASS
Band12	5MHz	16QAM	23035	25RB#0	20.36	PASS
Band12	5MHz	16QAM	23095	1RB#0	21.33	PASS
Band12	5MHz	16QAM	23095	1RB#12	21.49	PASS
Band12	5MHz	16QAM	23095	1RB#24	21.27	PASS
Band12	5MHz	16QAM	23095	12RB#0	20.31	PASS
Band12	5MHz	16QAM	23095	12RB#6	20.25	PASS
Band12	5MHz	16QAM	23095	12RB#13	20.23	PASS
Band12	5MHz	16QAM	23095	25RB#0	20.26	PASS
Band12	5MHz	16QAM	23155	1RB#0	20.98	PASS
Band12	5MHz	16QAM	23155	1RB#12	21.15	PASS
Band12	5MHz	16QAM	23155	1RB#24	20.97	PASS
Band12	5MHz	16QAM	23155	12RB#0	20.08	PASS
Band12	5MHz	16QAM	23155	12RB#6	20.07	PASS
Band12	5MHz	16QAM	23155	12RB#13	19.92	PASS
Band12	5MHz	16QAM	23155	25RB#0	20.13	PASS
Band12	10MHz	QPSK	23060	1RB#0	22.22	PASS
Band12	10MHz	QPSK	23060	1RB#24	22.37	PASS
Band12	10MHz	QPSK	23060	1RB#49	22.14	PASS
Band12	10MHz	QPSK	23060	25RB#0	21.24	PASS
Band12	10MHz	QPSK	23060	25RB#12	21.26	PASS
Band12	10MHz	QPSK	23060	25RB#25	21.20	PASS
Band12	10MHz	QPSK	23060	50RB#0	21.19	PASS
Band12	10MHz	QPSK	23095	1RB#0	22.25	PASS
Band12	10MHz	QPSK	23095	1RB#24	22.29	PASS
Band12	10MHz	QPSK	23095	1RB#49	22.06	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



Band12	10MHz	QPSK	23095	25RB#0	21.32	PASS
Band12	10MHz	QPSK	23095	25RB#12	21.29	PASS
Band12	10MHz	QPSK	23095	25RB#25	21.24	PASS
Band12	10MHz	QPSK	23095	50RB#0	21.26	PASS
Band12	10MHz	QPSK	23130	1RB#0	22.17	PASS
Band12	10MHz	QPSK	23130	1RB#24	22.20	PASS
Band12	10MHz	QPSK	23130	1RB#49	21.99	PASS
Band12	10MHz	QPSK	23130	25RB#0	21.21	PASS
Band12	10MHz	QPSK	23130	25RB#12	21.21	PASS
Band12	10MHz	QPSK	23130	25RB#25	21.05	PASS
Band12	10MHz	QPSK	23130	50RB#0	21.11	PASS
Band12	10MHz	16QAM	23060	1RB#0	21.43	PASS
Band12	10MHz	16QAM	23060	1RB#24	21.40	PASS
Band12	10MHz	16QAM	23060	1RB#49	21.25	PASS
Band12	10MHz	16QAM	23060	25RB#0	20.28	PASS
Band12	10MHz	16QAM	23060	25RB#12	20.25	PASS
Band12	10MHz	16QAM	23060	25RB#25	20.28	PASS
Band12	10MHz	16QAM	23060	50RB#0	20.20	PASS
Band12	10MHz	16QAM	23095	1RB#0	21.44	PASS
Band12	10MHz	16QAM	23095	1RB#24	21.43	PASS
Band12	10MHz	16QAM	23095	1RB#49	21.20	PASS
Band12	10MHz	16QAM	23095	25RB#0	20.37	PASS
Band12	10MHz	16QAM	23095	25RB#12	20.35	PASS
Band12	10MHz	16QAM	23095	25RB#25	20.31	PASS
Band12	10MHz	16QAM	23095	50RB#0	20.35	PASS
Band12	10MHz	16QAM	23130	1RB#0	21.09	PASS
Band12	10MHz	16QAM	23130	1RB#24	21.16	PASS
Band12	10MHz	16QAM	23130	1RB#49	20.91	PASS
Band12	10MHz	16QAM	23130	25RB#0	20.34	PASS
Band12	10MHz	16QAM	23130	25RB#12	20.33	PASS
Band12	10MHz	16QAM	23130	25RB#25	20.12	PASS
Band12	10MHz	16QAM	23130	50RB#0	20.15	PASS





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

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	5.47	13	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	5.71	13	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	5.23	13	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	6.30	13	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	6.37	13	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	6.14	13	PASS
Band12	3MHz	QPSK	23025	15RB#0	5.44	13	PASS
Band12	3MHz	QPSK	23095	15RB#0	5.67	13	PASS
Band12	3MHz	QPSK	23165	15RB#0	5.22	13	PASS
Band12	3MHz	16QAM	23025	15RB#0	6.28	13	PASS
Band12	3MHz	16QAM	23095	15RB#0	6.46	13	PASS
Band12	3MHz	16QAM	23165	15RB#0	6.06	13	PASS
Band12	5MHz	QPSK	23035	25RB#0	5.54	13	PASS
Band12	5MHz	QPSK	23095	25RB#0	5.72	13	PASS
Band12	5MHz	QPSK	23155	25RB#0	5.33	13	PASS
Band12	5MHz	16QAM	23035	25RB#0	6.25	13	PASS
Band12	5MHz	16QAM	23095	25RB#0	6.40	13	PASS
Band12	5MHz	16QAM	23155	25RB#0	6.09	13	PASS
Band12	10MHz	QPSK	23060	50RB#0	5.54	13	PASS
Band12	10MHz	QPSK	23095	50RB#0	5.60	13	PASS
Band12	10MHz	QPSK	23130	50RB#0	5.54	13	PASS
Band12	10MHz	16QAM	23060	50RB#0	6.33	13	PASS
Band12	10MHz	16QAM	23095	50RB#0	6.31	13	PASS
Band12	10MHz	16QAM	23130	50RB#0	6.32	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

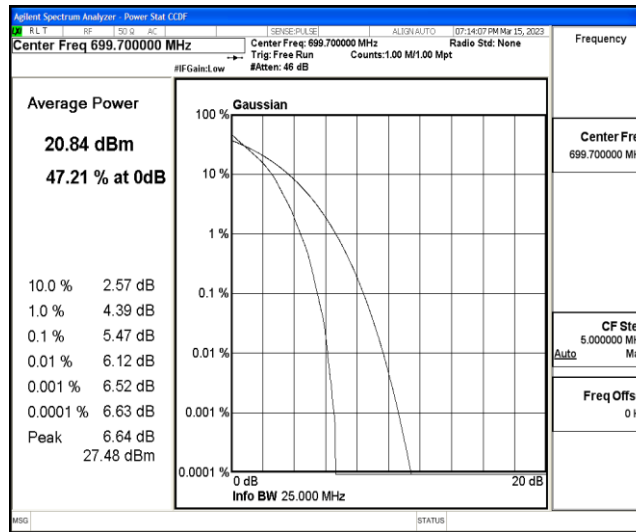
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

Scan code to check authenticity

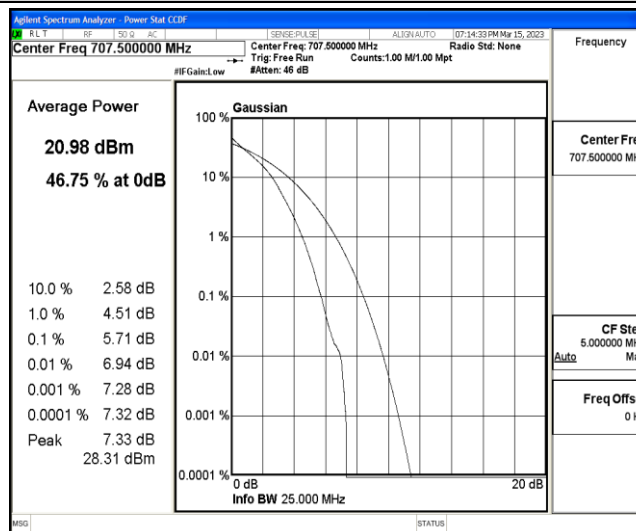


Test Graphs

Band12-1.4MHz-QPSK-23017-6RB#0

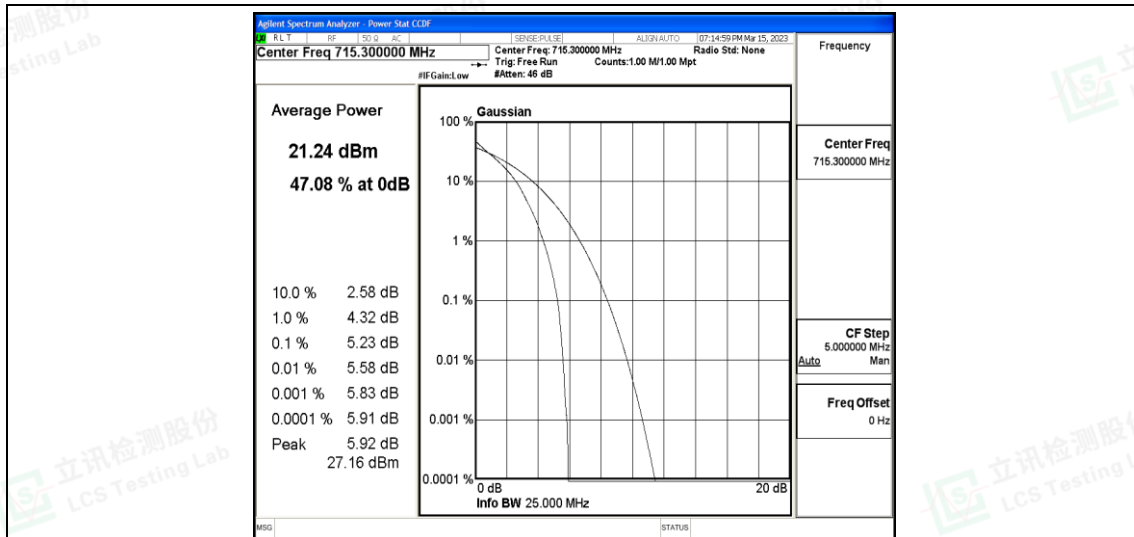


Band12-1.4MHz-QPSK-23095-6RB#0

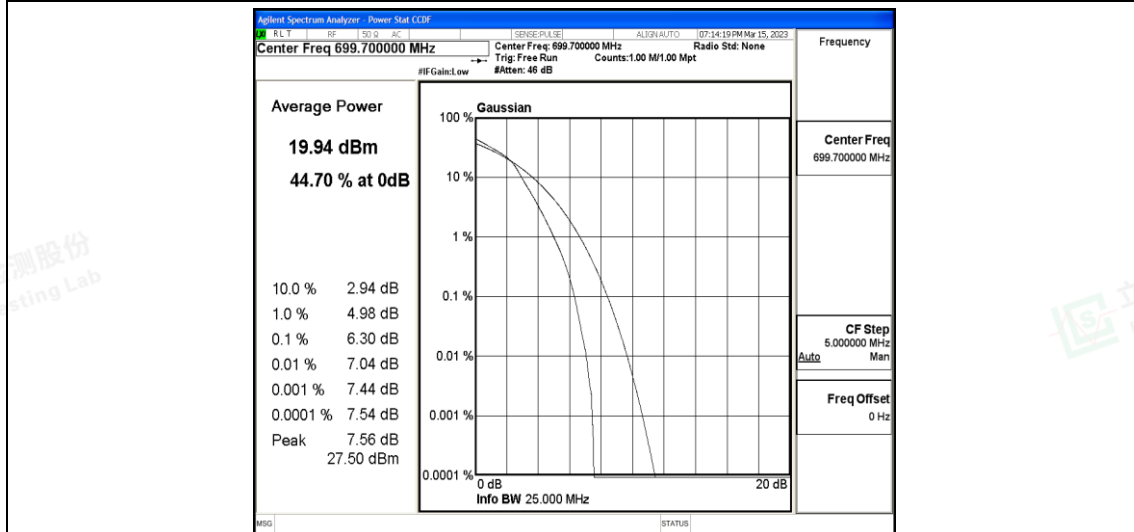


Band12-1.4MHz-QPSK-23173-6RB#0

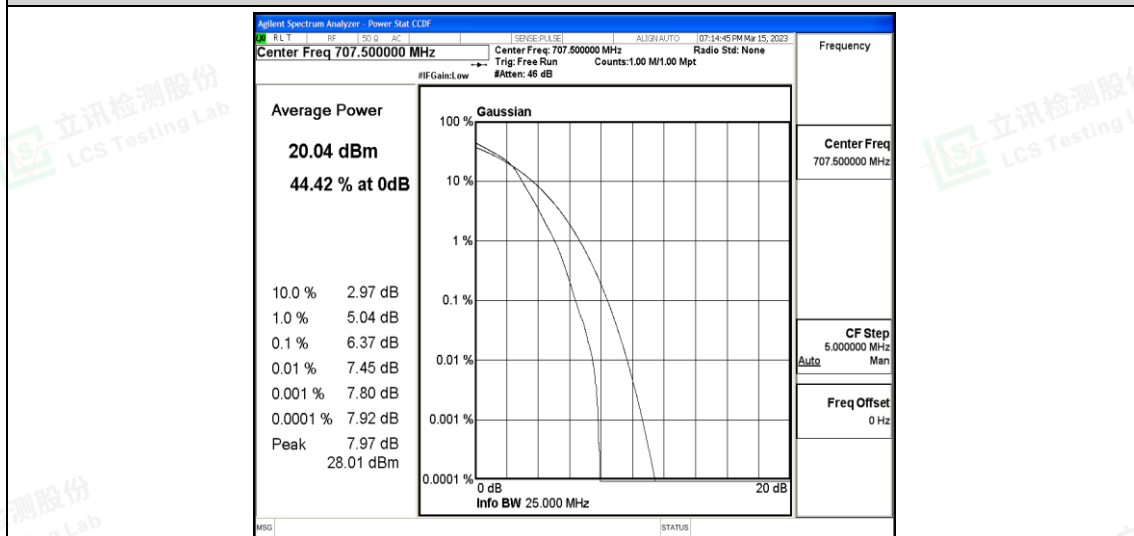




Band12-1.4MHz-16QAM-23017-6RB#0

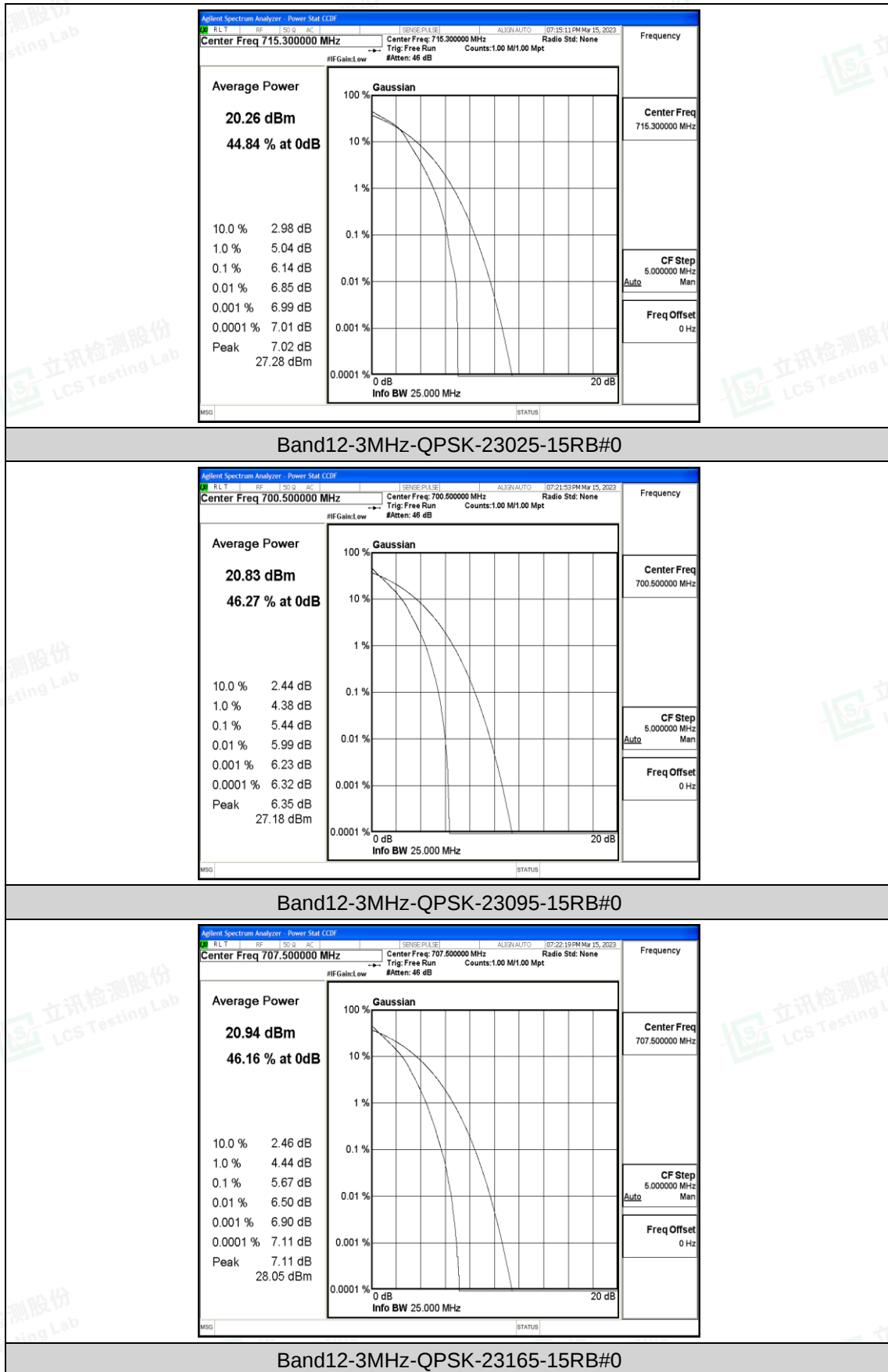


Band12-1.4MHz-16QAM-23095-6RB#0



Band12-1.4MHz-16QAM-23173-6RB#0



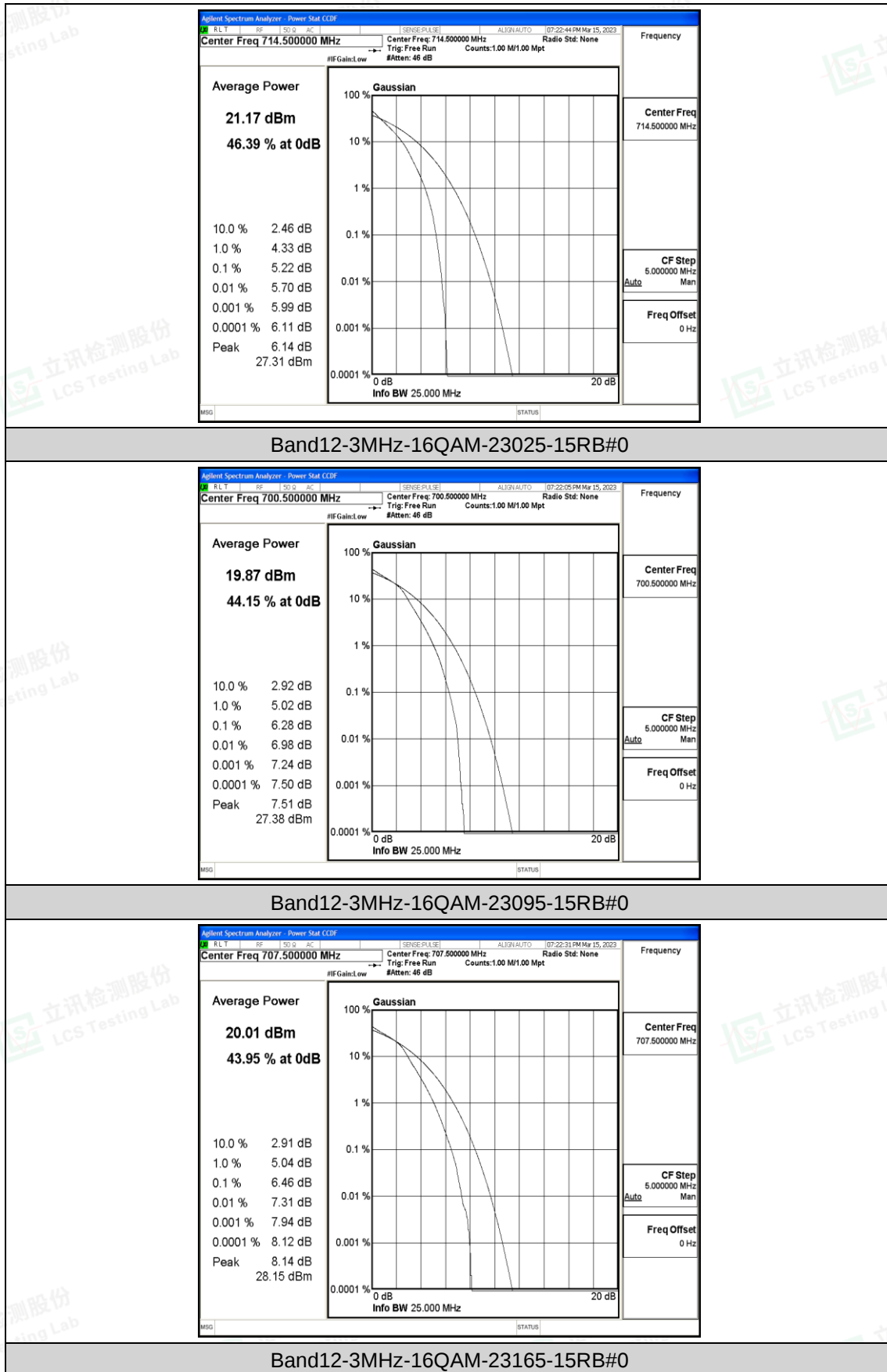


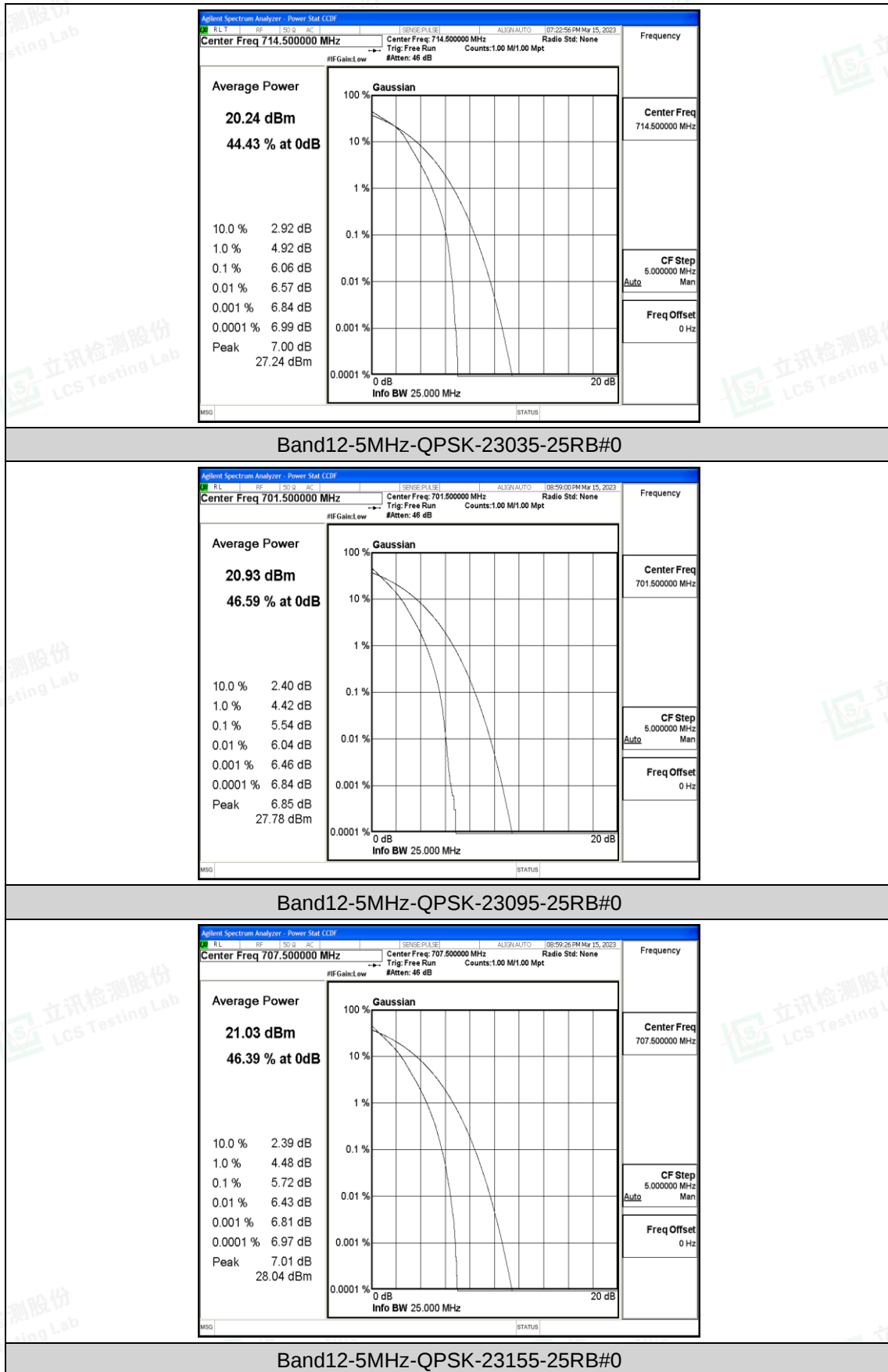
Shenzhen LCS Compliance Testing Laboratory Ltd.

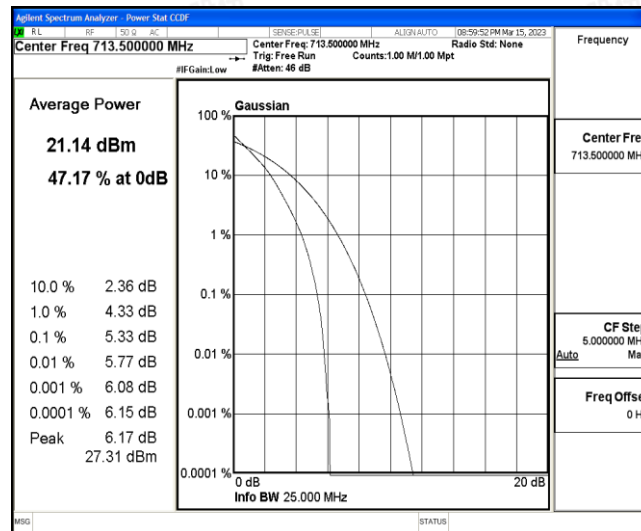
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

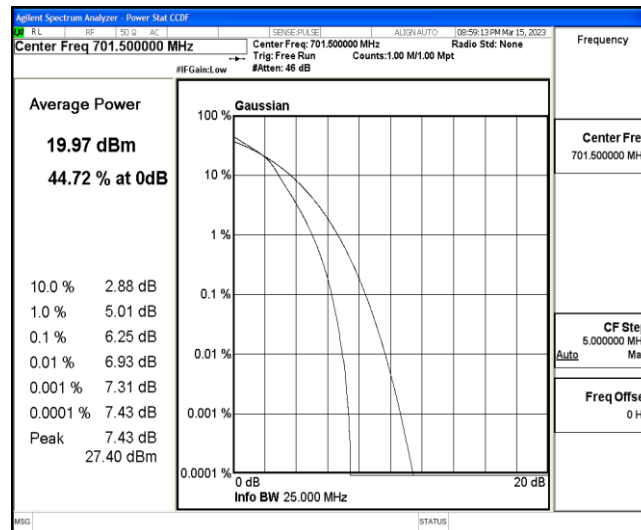
Scan code to check authenticity



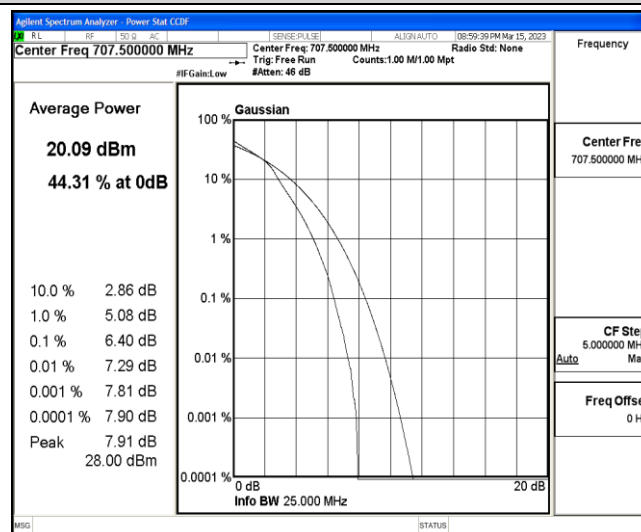




Band12-5MHz-16QAM-23035-25RB#0



Band12-5MHz-16QAM-23095-25RB#0



Band12-5MHz-16QAM-23155-25RB#0

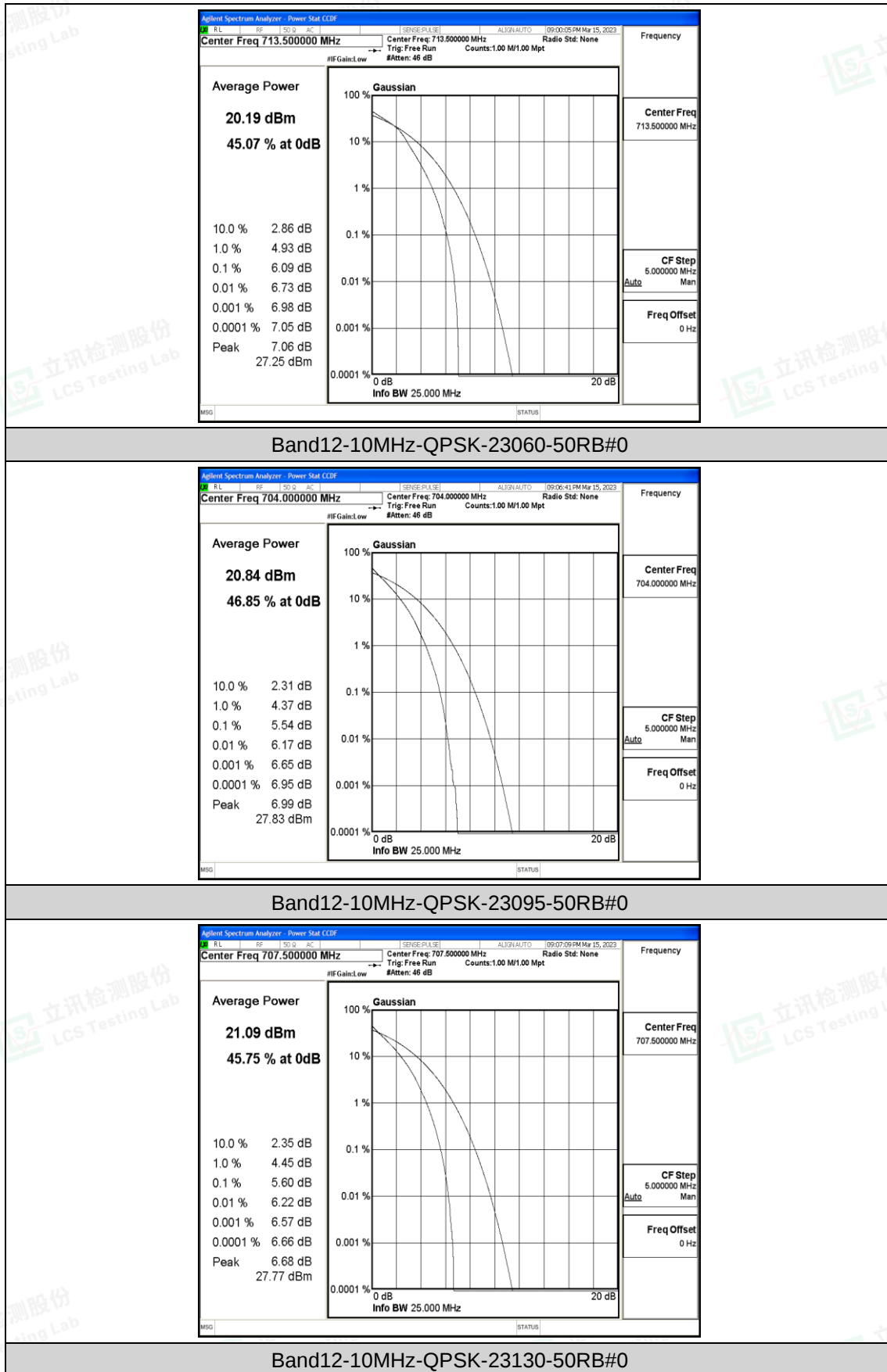


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

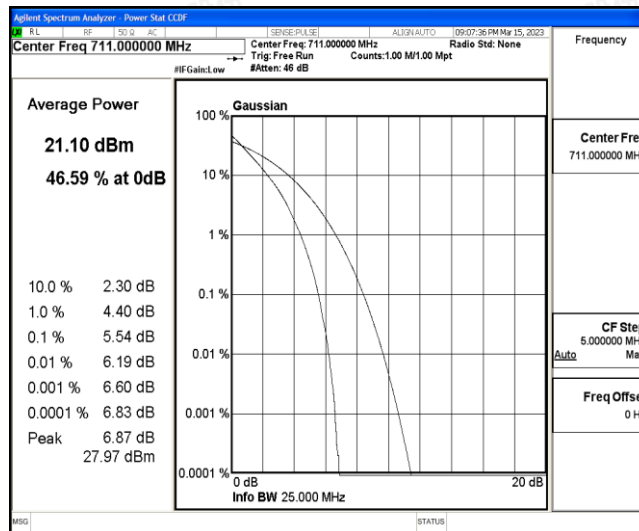


Shenzhen LCS Compliance Testing Laboratory Ltd.

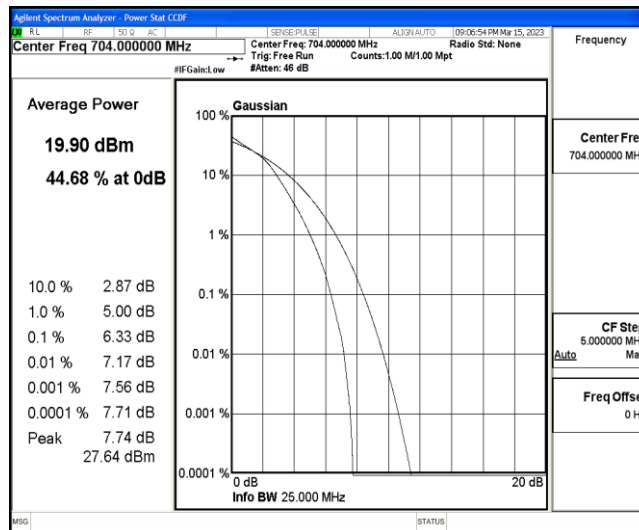
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

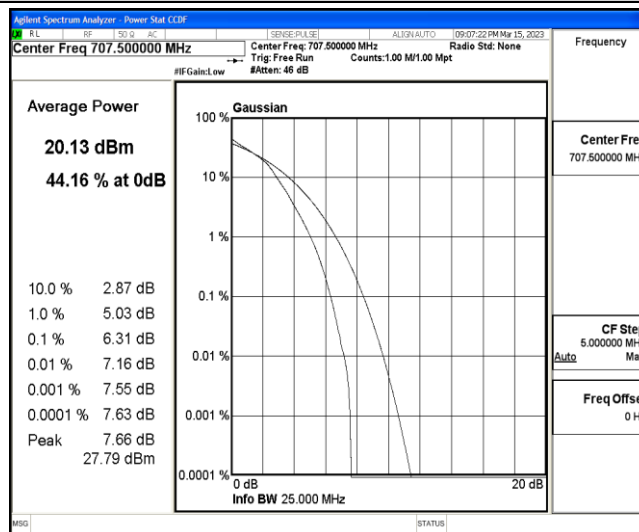
Scan code to check authenticity



Band12-10MHz-16QAM-23060-50RB#0

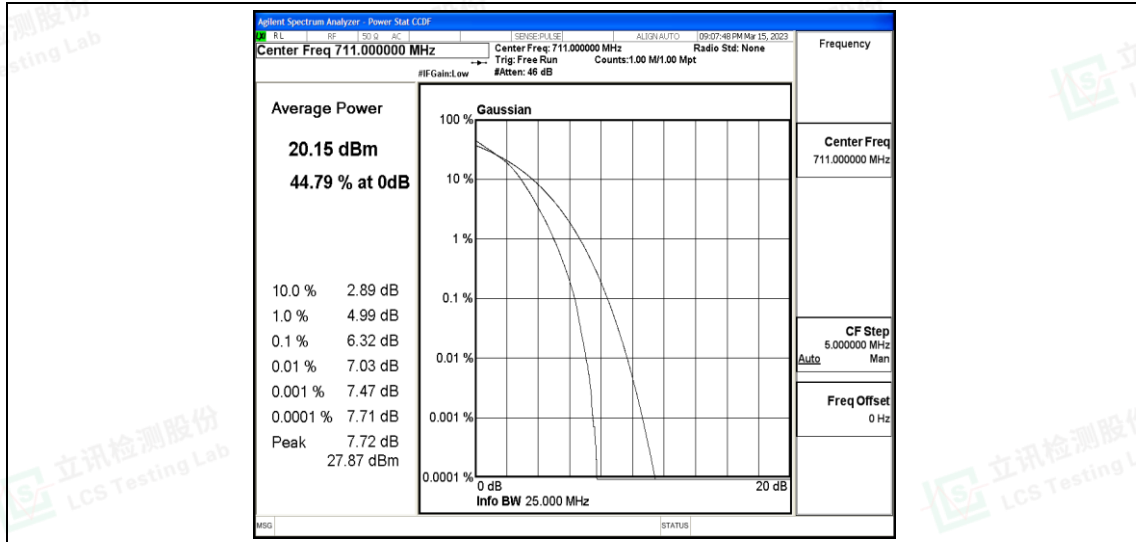


Band12-10MHz-16QAM-23095-50RB#0



Band12-10MHz-16QAM-23130-50RB#0







G.3 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	1.0852	1.271	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	1.0937	1.286	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	1.0946	1.304	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	1.0949	1.303	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	1.0952	1.276	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	1.0865	1.276	PASS
Band12	3MHz	QPSK	23025	15RB#0	2.6820	2.869	PASS
Band12	3MHz	QPSK	23095	15RB#0	2.6917	2.900	PASS
Band12	3MHz	QPSK	23165	15RB#0	2.6856	2.909	PASS
Band12	3MHz	16QAM	23025	15RB#0	2.6857	2.893	PASS
Band12	3MHz	16QAM	23095	15RB#0	2.6801	2.909	PASS
Band12	3MHz	16QAM	23165	15RB#0	2.6822	2.885	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.5318	5.154	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.5085	5.146	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.5090	5.175	PASS
Band12	5MHz	16QAM	23035	25RB#0	4.5148	5.145	PASS
Band12	5MHz	16QAM	23095	25RB#0	4.5376	5.212	PASS
Band12	5MHz	16QAM	23155	25RB#0	4.5239	5.136	PASS
Band12	10MHz	QPSK	23060	50RB#0	8.9901	10.05	PASS
Band12	10MHz	QPSK	23095	50RB#0	9.0165	10.11	PASS
Band12	10MHz	QPSK	23130	50RB#0	8.9786	10.04	PASS
Band12	10MHz	16QAM	23060	50RB#0	8.9883	10.02	PASS
Band12	10MHz	16QAM	23095	50RB#0	9.0080	10.09	PASS
Band12	10MHz	16QAM	23130	50RB#0	8.9941	10.12	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

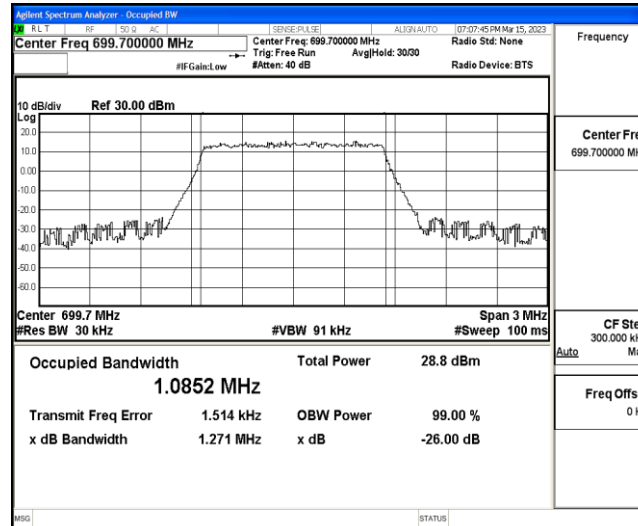
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

Scan code to check authenticity

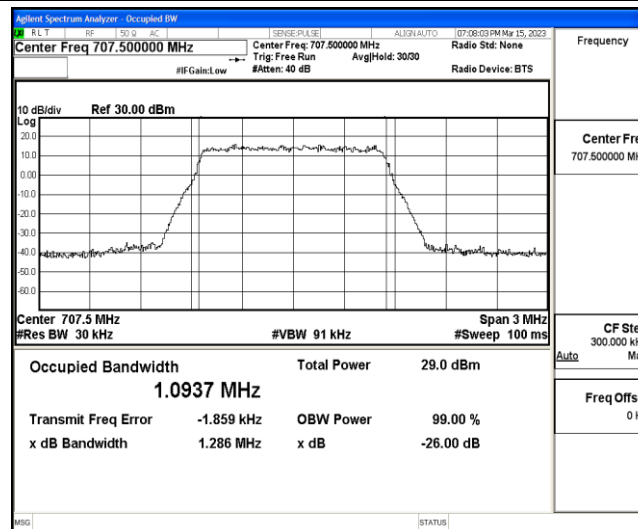


Test Graphs

Band12-1.4MHz-QPSK-23017-6RB#0

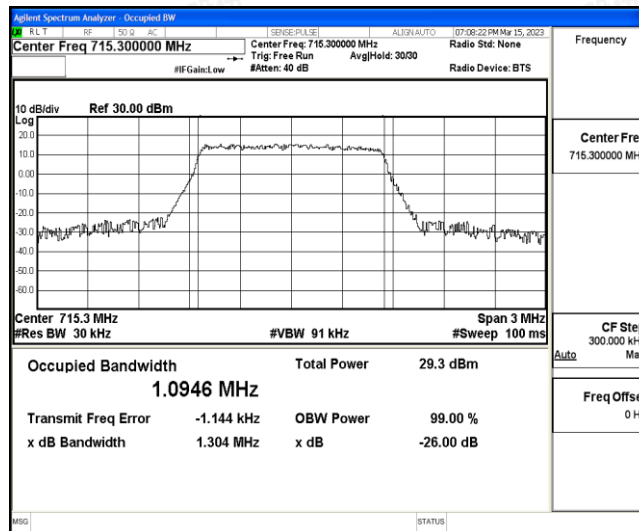


Band12-1.4MHz-QPSK-23095-6RB#0

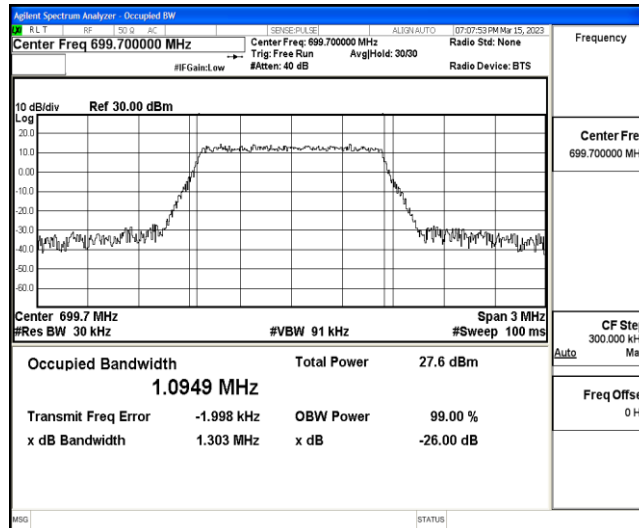


Band12-1.4MHz-QPSK-23173-6RB#0

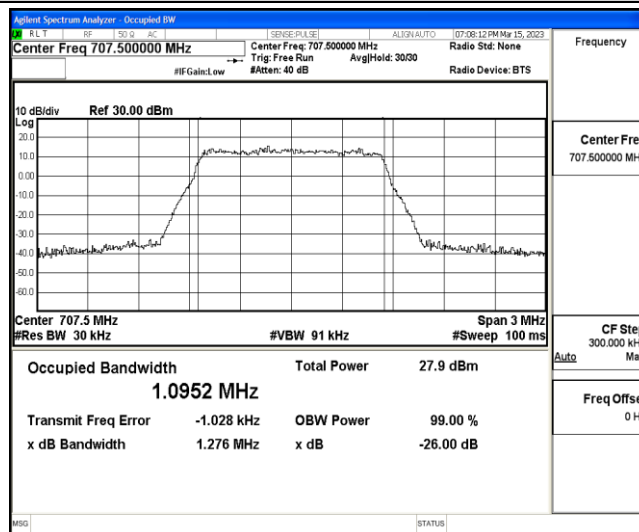




Band12-1.4MHz-16QAM-23017-6RB#0

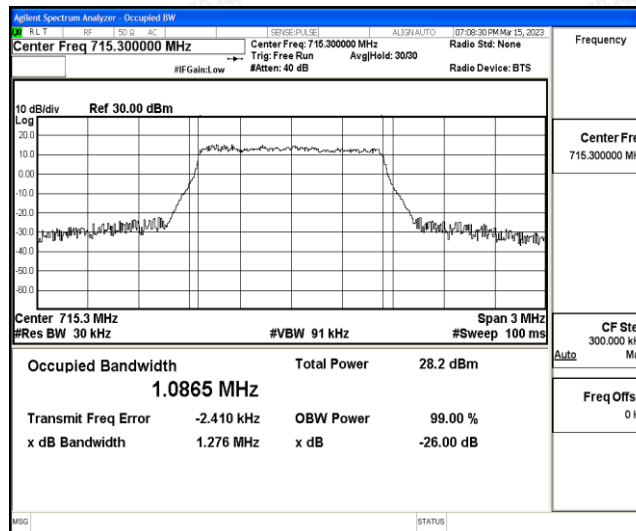


Band12-1.4MHz-16QAM-23095-6RB#0

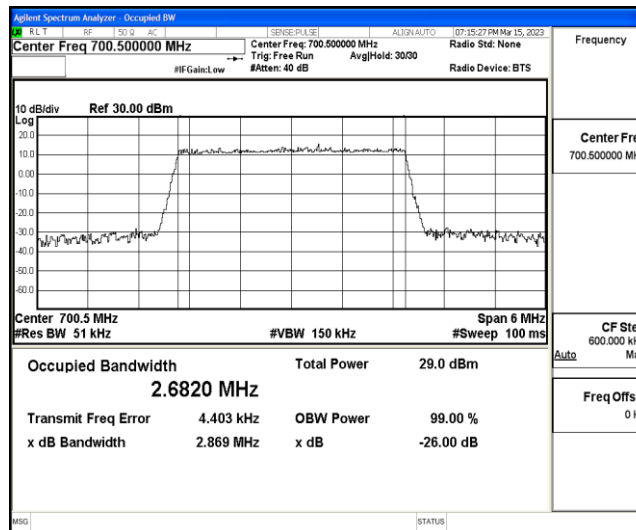


Band12-1.4MHz-16QAM-23173-6RB#0

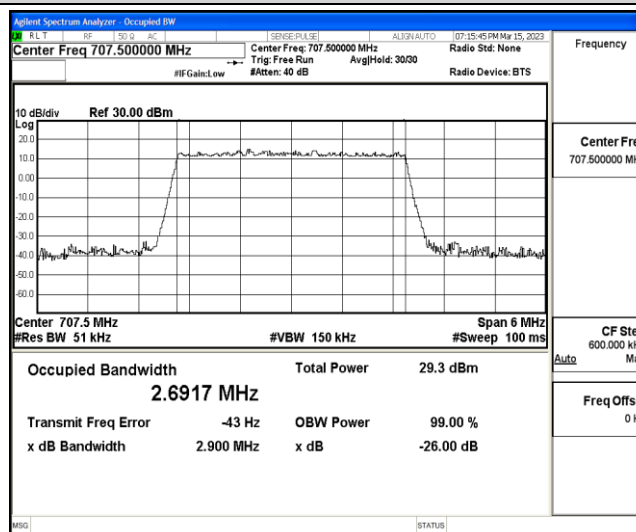




Band12-3MHz-QPSK-23025-15RB#0



Band12-3MHz-QPSK-23095-15RB#0



Band12-3MHz-QPSK-23165-15RB#0

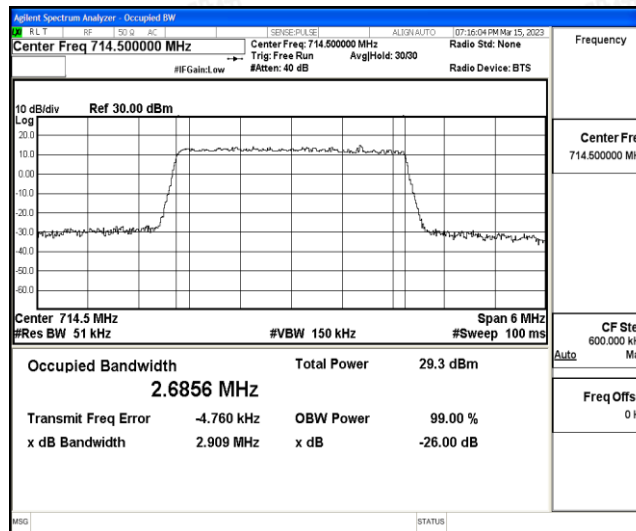


Shenzhen LCS Compliance Testing Laboratory Ltd.

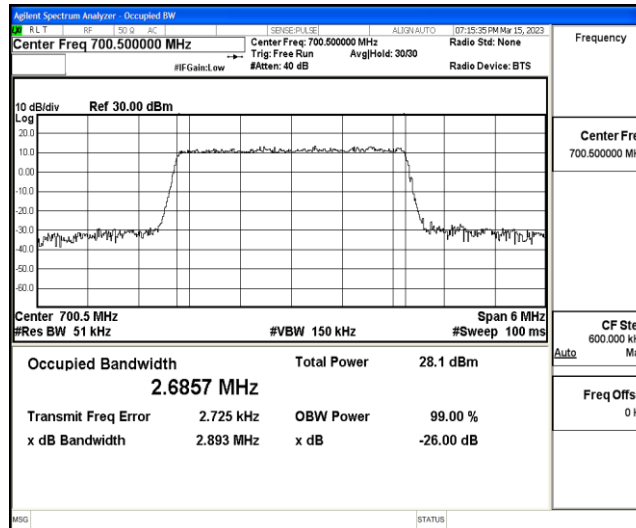
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

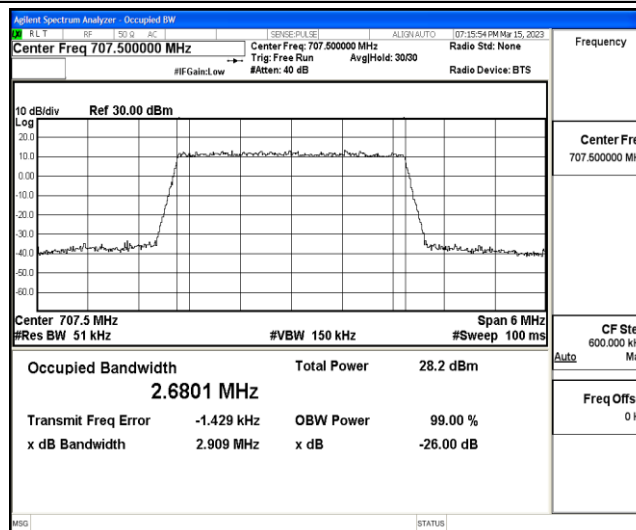
Scan code to check authenticity



Band12-3MHz-16QAM-23025-15RB#0



Band12-3MHz-16QAM-23095-15RB#0



Band12-3MHz-16QAM-23165-15RB#0

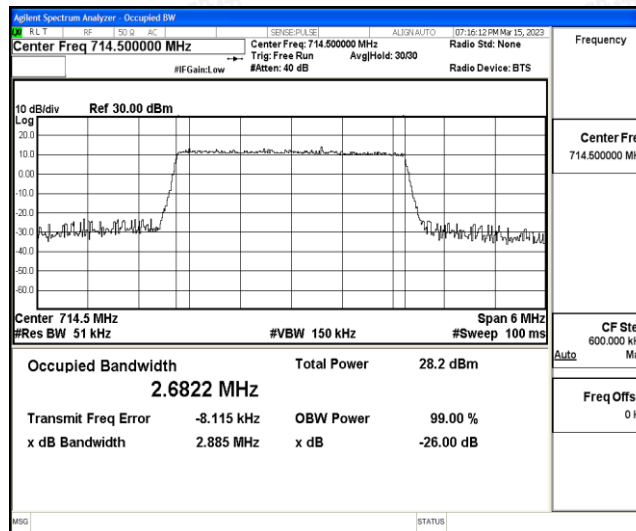


Shenzhen LCS Compliance Testing Laboratory Ltd.

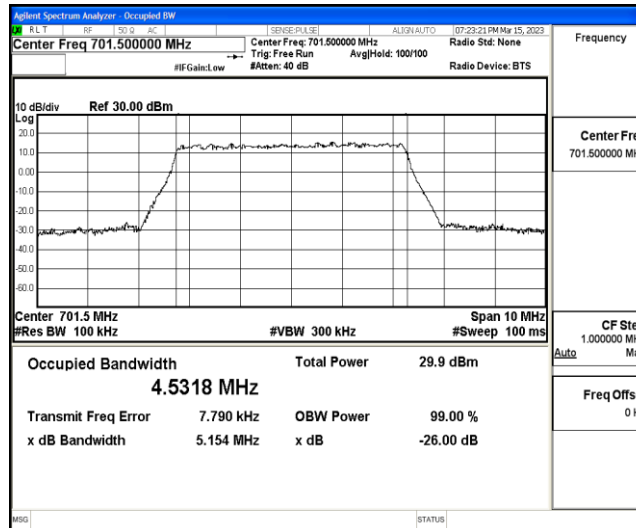
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

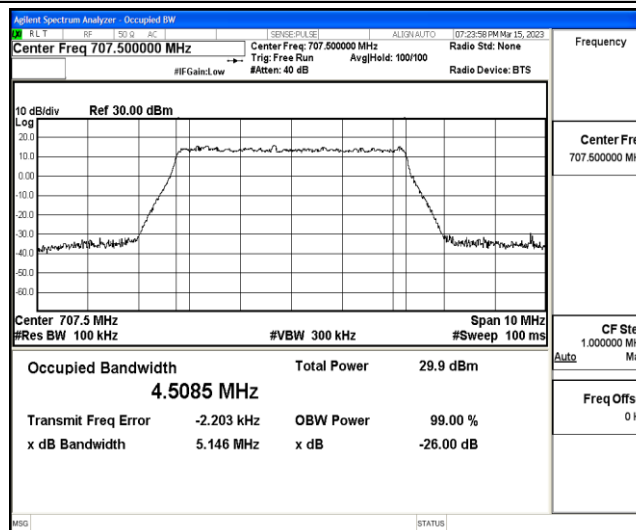
Scan code to check authenticity



Band12-5MHz-QPSK-23035-25RB#0



Band12-5MHz-QPSK-23095-25RB#0



Band12-5MHz-QPSK-23155-25RB#0

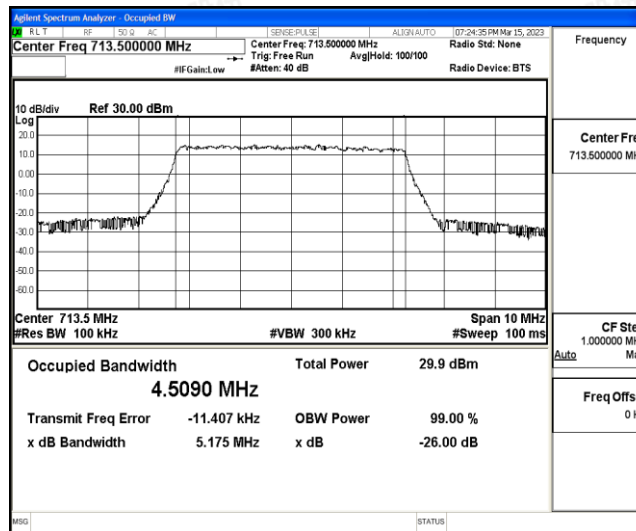


Shenzhen LCS Compliance Testing Laboratory Ltd.

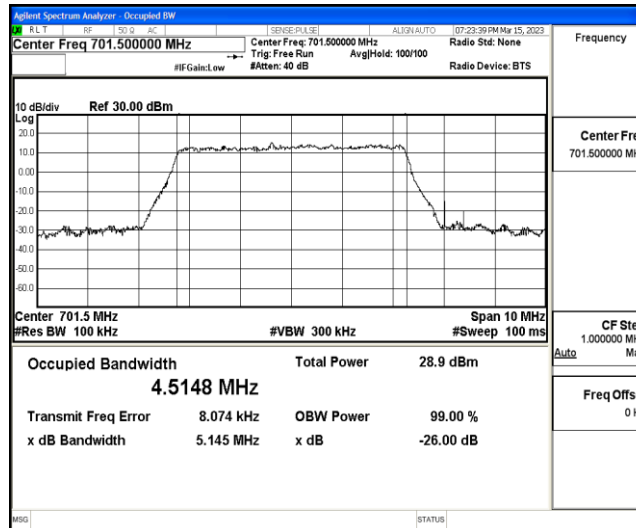
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

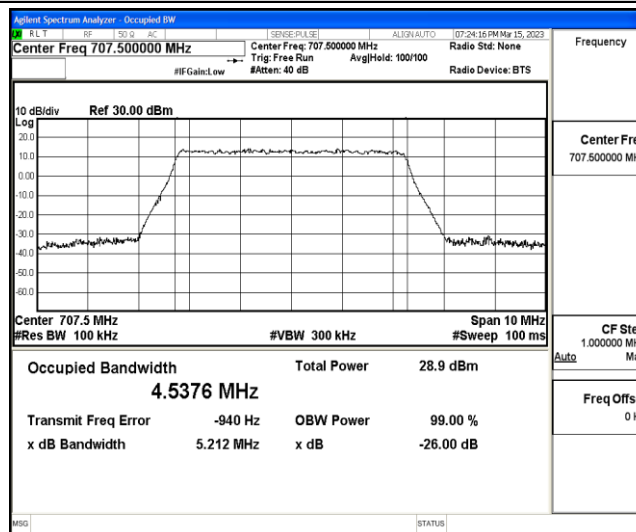
Scan code to check authenticity



Band12-5MHz-16QAM-23035-25RB#0



Band12-5MHz-16QAM-23095-25RB#0



Band12-5MHz-16QAM-23155-25RB#0

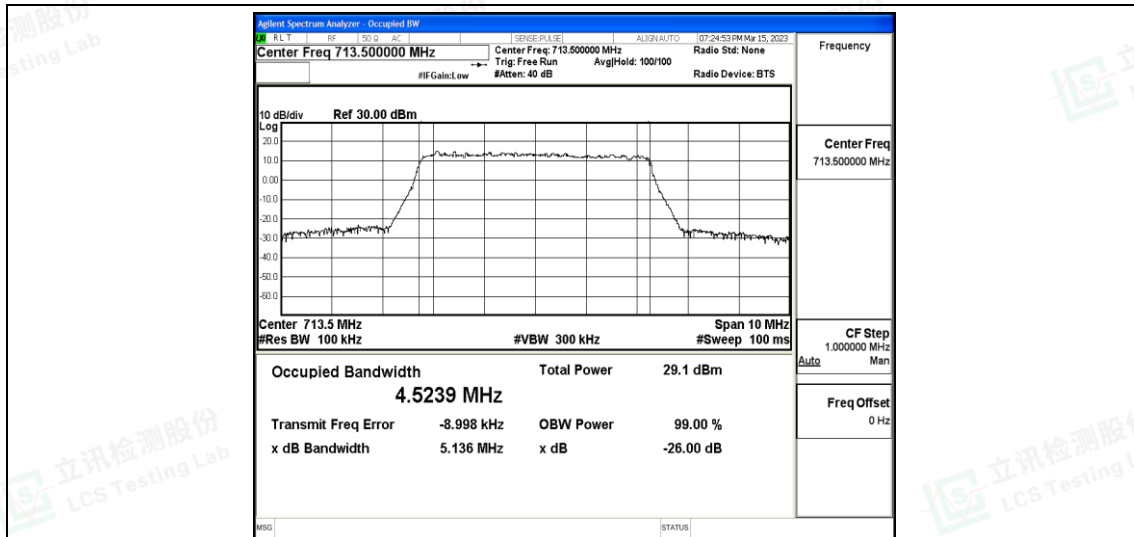


Shenzhen LCS Compliance Testing Laboratory Ltd.

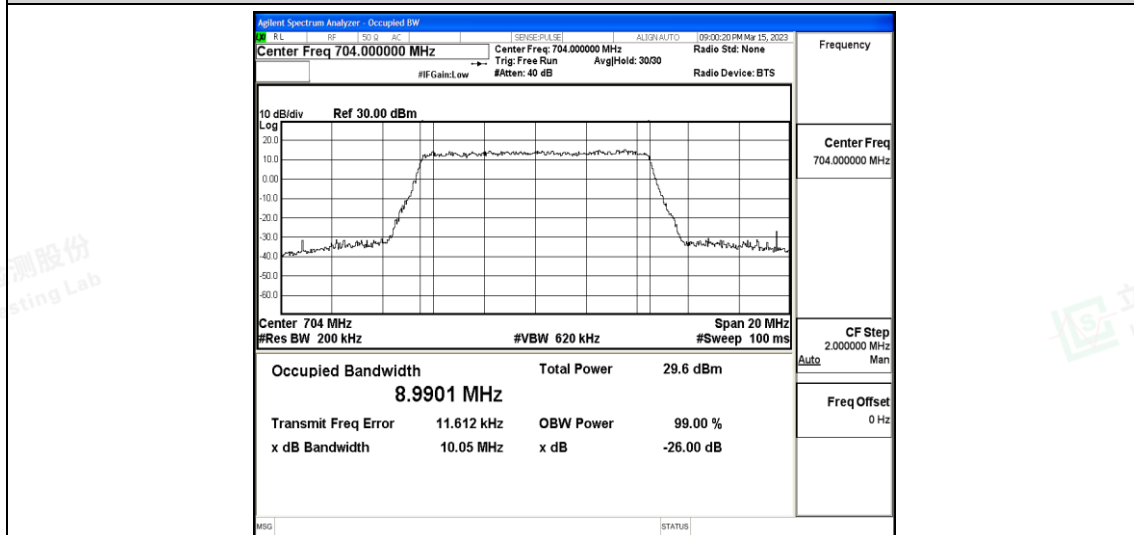
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

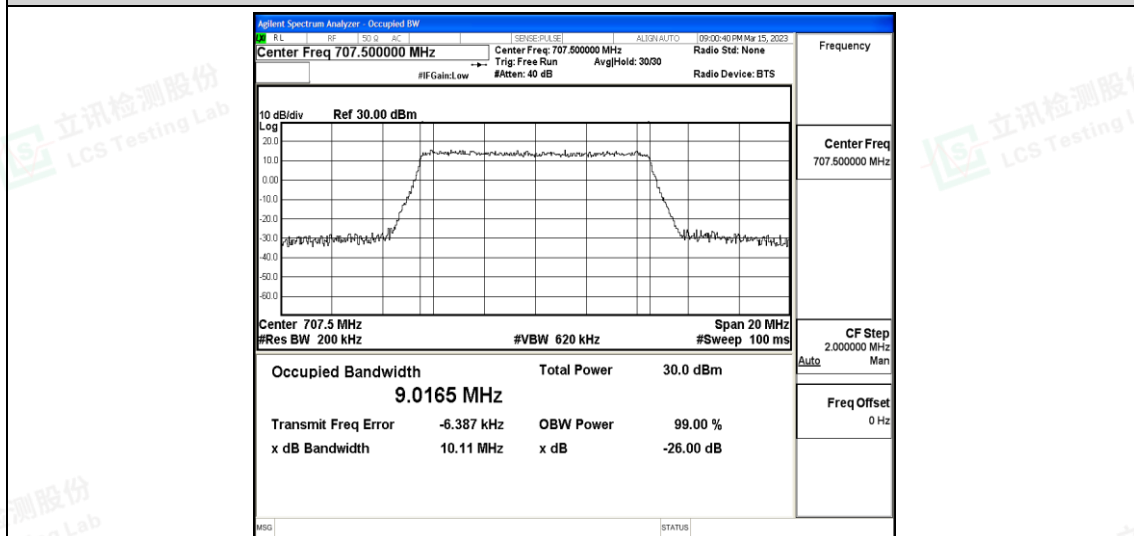
Scan code to check authenticity



Band12-10MHz-QPSK-23060-50RB#0



Band12-10MHz-QPSK-23095-50RB#0



Band12-10MHz-QPSK-23130-50RB#0

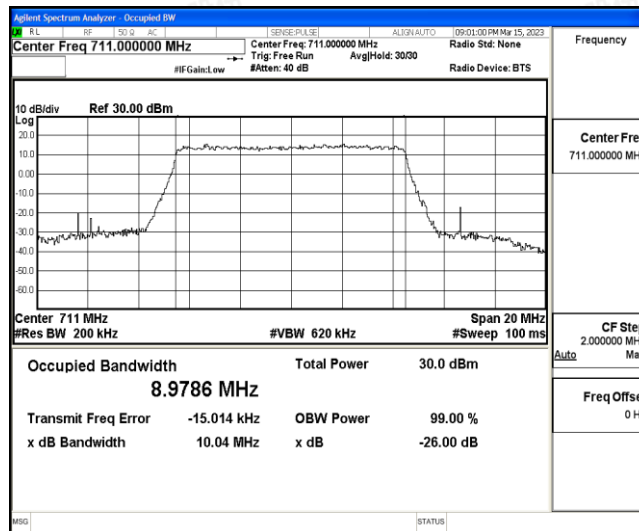


Shenzhen LCS Compliance Testing Laboratory Ltd.

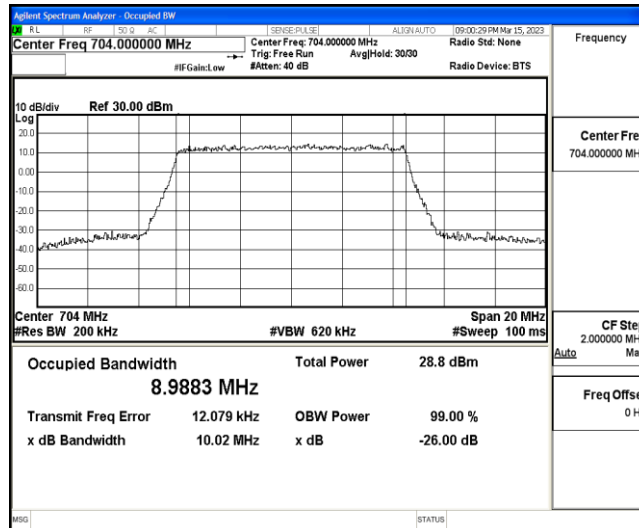
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

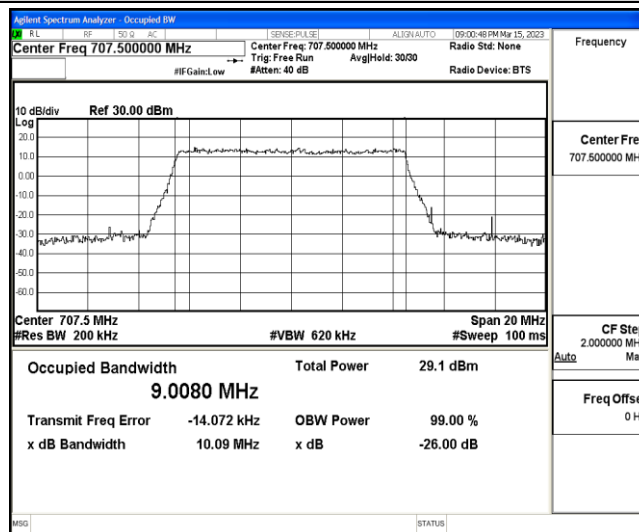
Scan code to check authenticity



Band12-10MHz-16QAM-23060-50RB#0



Band12-10MHz-16QAM-23095-50RB#0



Band12-10MHz-16QAM-23130-50RB#0

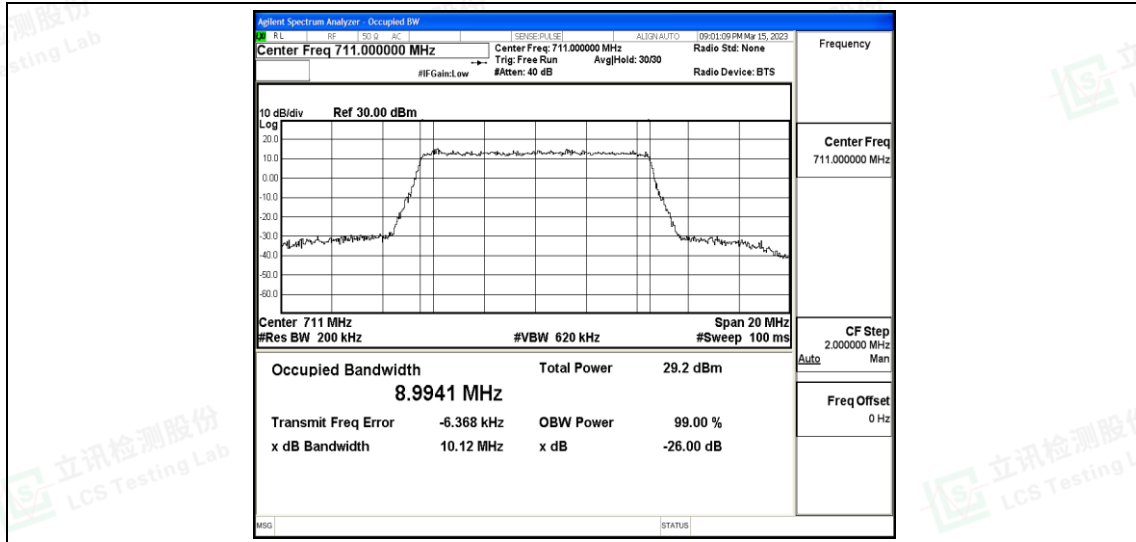


Shenzhen LCS Compliance Testing Laboratory Ltd.

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



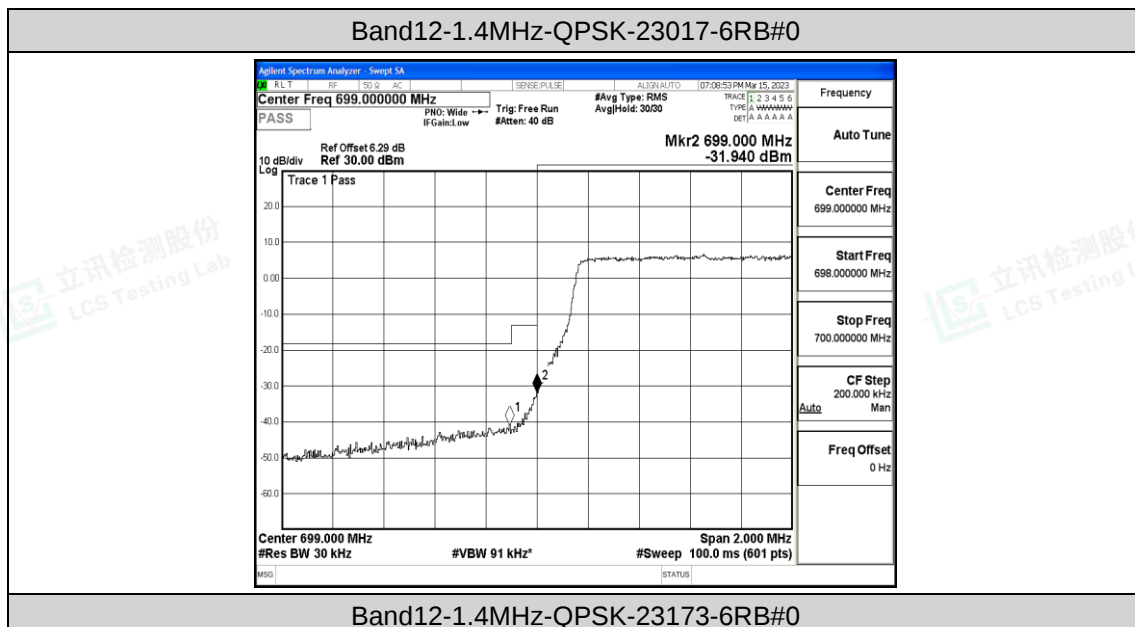


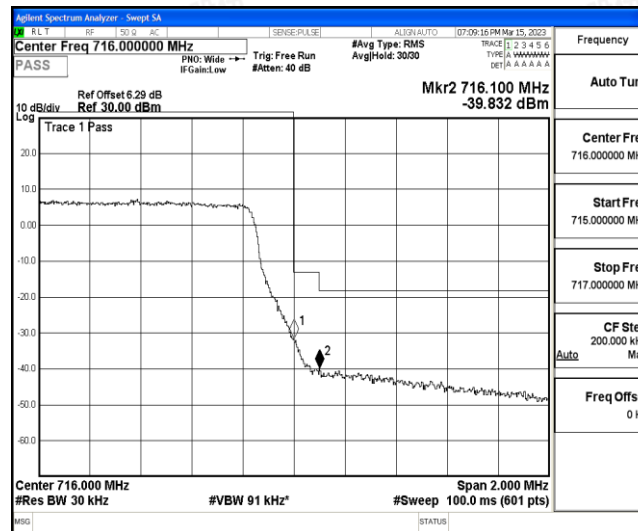
G.4 Band Edge

Test Result

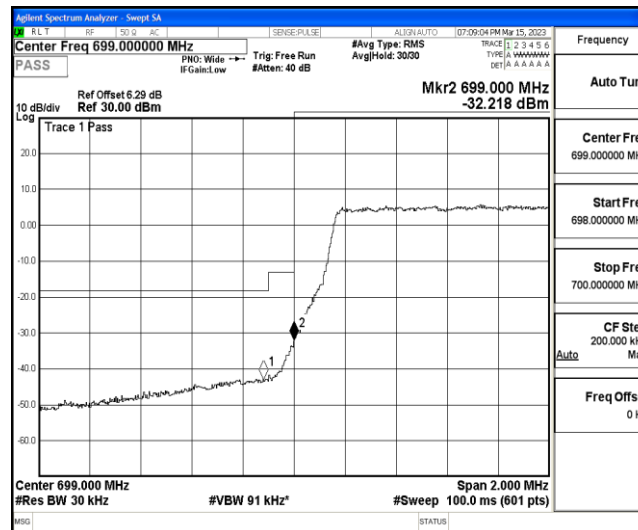
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	-40.82,-31.94	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	-31.67,-39.83	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	-42.88,-32.22	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	-32.56,-41.49	PASS
Band12	3MHz	QPSK	23025	15RB#0	-42.03,-33.10	PASS
Band12	3MHz	QPSK	23165	15RB#0	-34.28,-40.99	PASS
Band12	3MHz	16QAM	23025	15RB#0	-42.47,-35.07	PASS
Band12	3MHz	16QAM	23165	15RB#0	-35.23,-42.27	PASS
Band12	5MHz	QPSK	23035	25RB#0	-24.68	PASS
Band12	5MHz	QPSK	23155	25RB#0	-25.28	PASS
Band12	5MHz	16QAM	23035	25RB#0	-24.95	PASS
Band12	5MHz	16QAM	23155	25RB#0	-24.89	PASS
Band12	10MHz	QPSK	23060	50RB#0	-32.33,-29.96	PASS
Band12	10MHz	QPSK	23130	50RB#0	-30.43,-32.96	PASS
Band12	10MHz	16QAM	23060	50RB#0	-33.33,-31.29	PASS
Band12	10MHz	16QAM	23130	50RB#0	-31.26,-34.00	PASS

Test Graphs

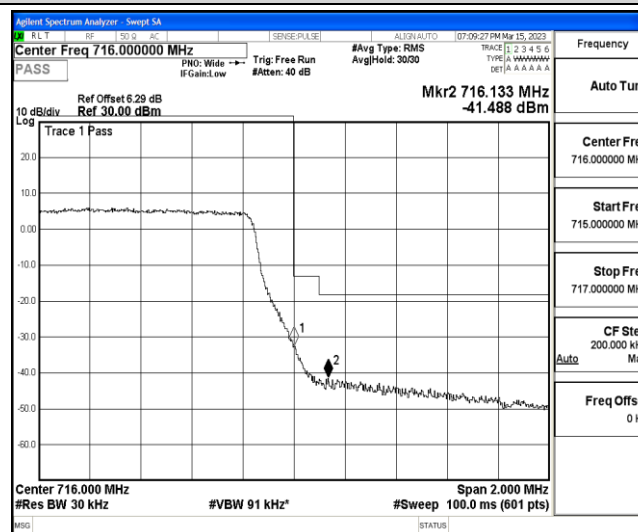




Band12-1.4MHz-16QAM-23017-6RB#0



Band12-1.4MHz-16QAM-23173-6RB#0



Band12-3MHz-QPSK-23025-15RB#0

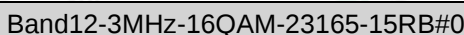
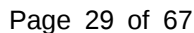


Shenzhen LCS Compliance Testing Laboratory Ltd.

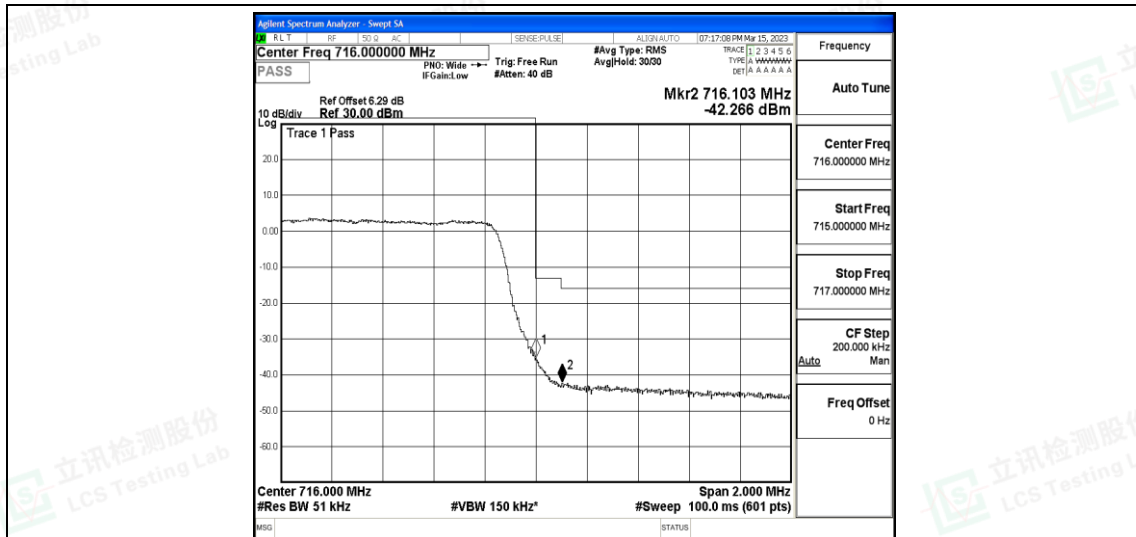
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

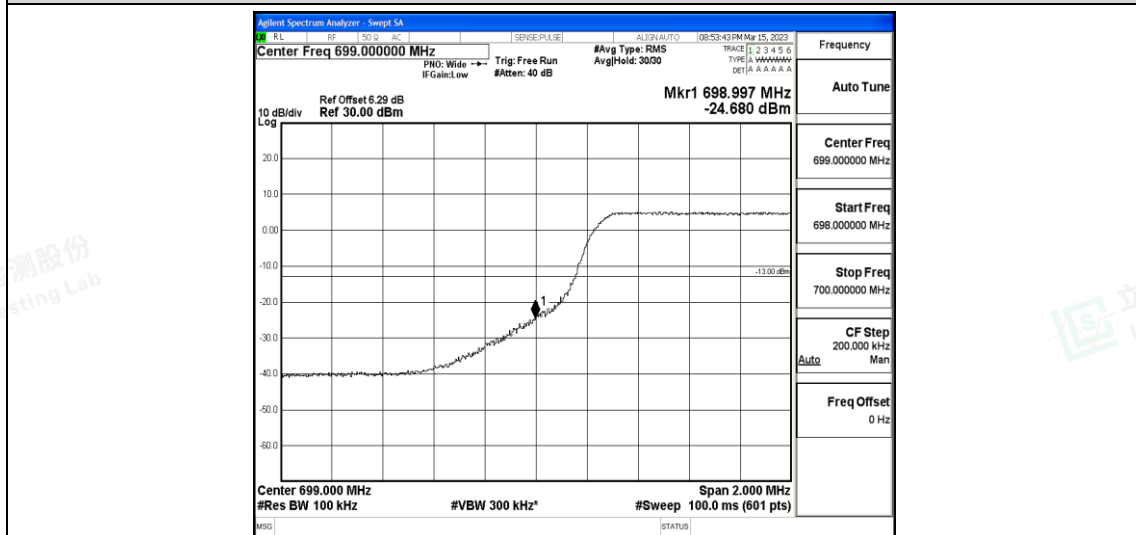
Scan code to check authenticity



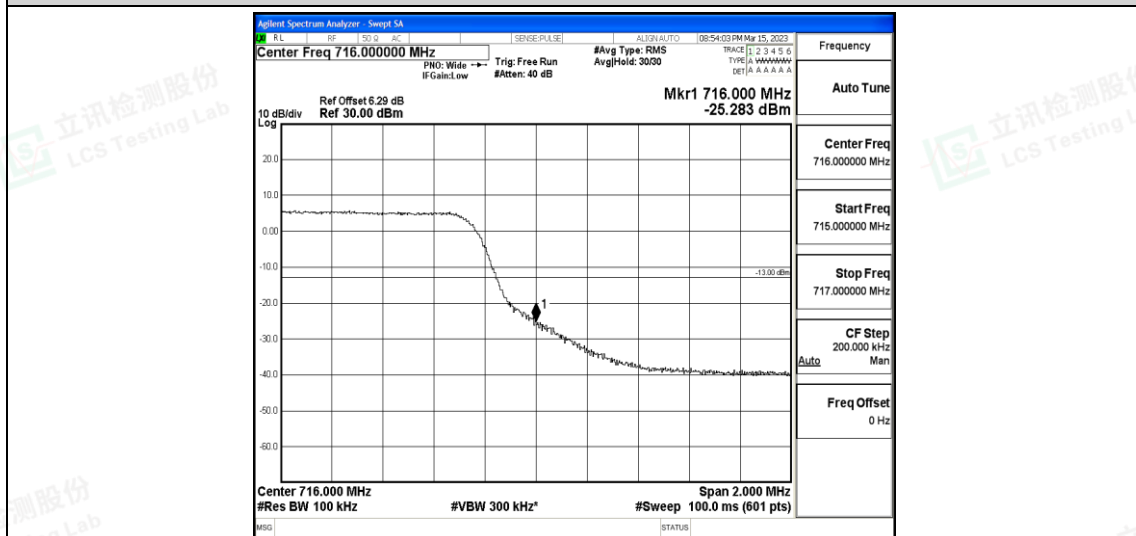
Shenzhen LCS Compliance Testing Laboratory Ltd.
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen,
518000, China
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com
Scan code to check authenticity



Band12-5MHz-QPSK-23035-25RB#0



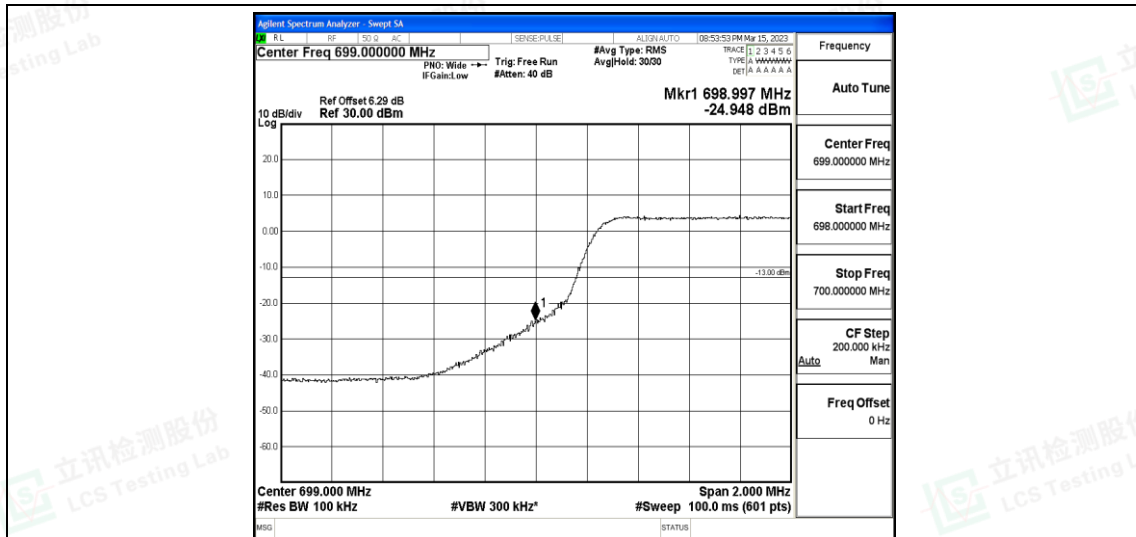
Band12-5MHz-QPSK-23155-25RB#0



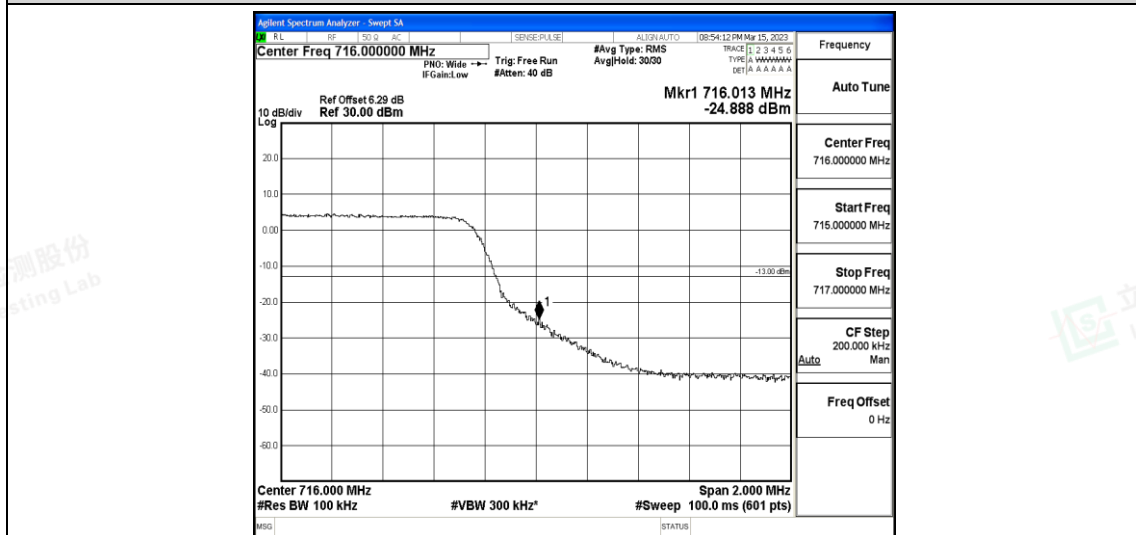
Band12-5MHz-16QAM-23035-25RB#0



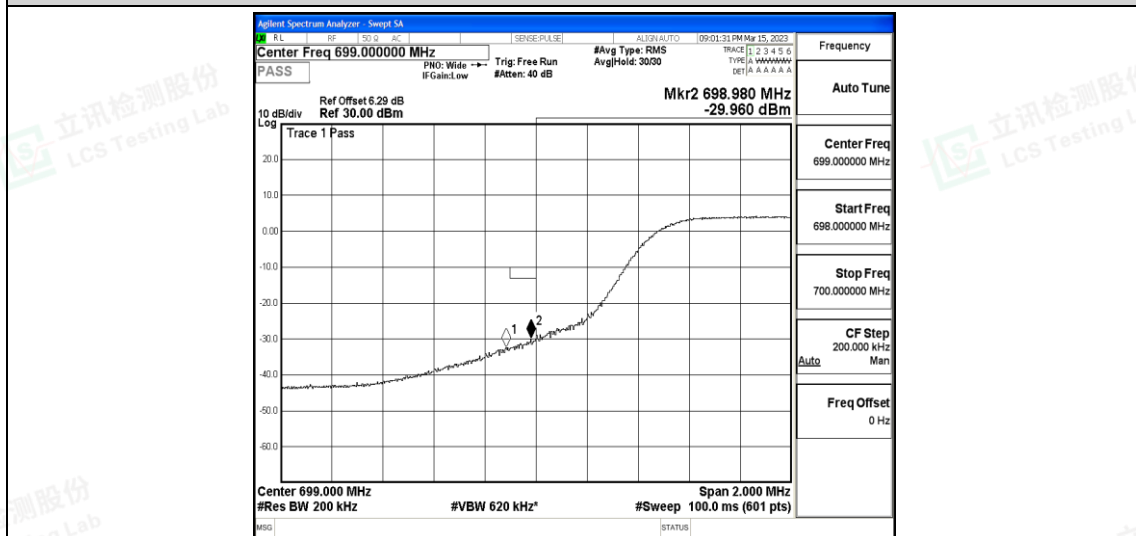
Shenzhen LCS Compliance Testing Laboratory Ltd.
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com
Scan code to check authenticity



Band12-5MHz-16QAM-23155-25RB#0

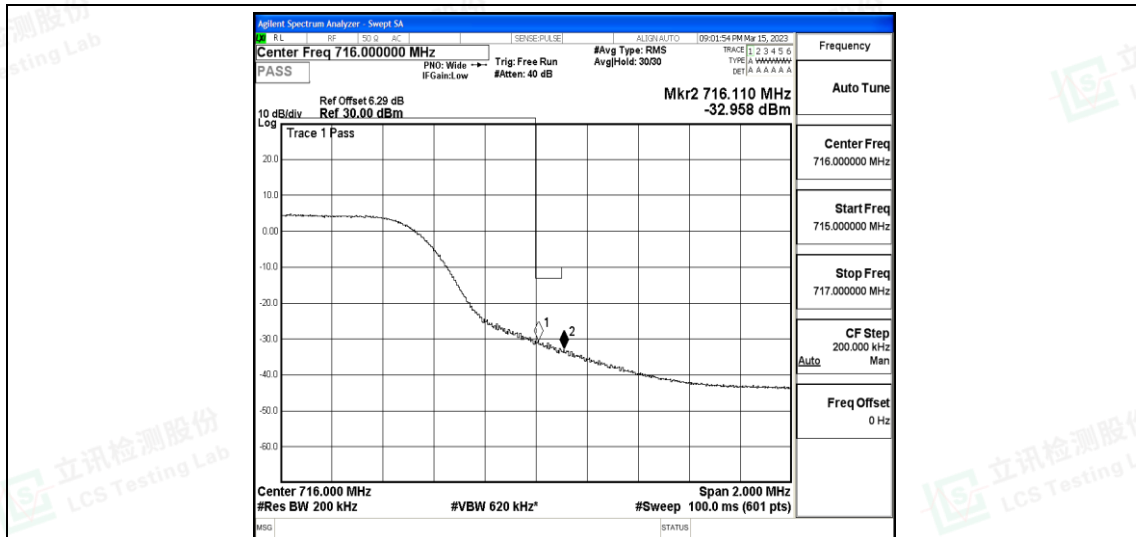


Band12-10MHz-QPSK-23060-50RB#0

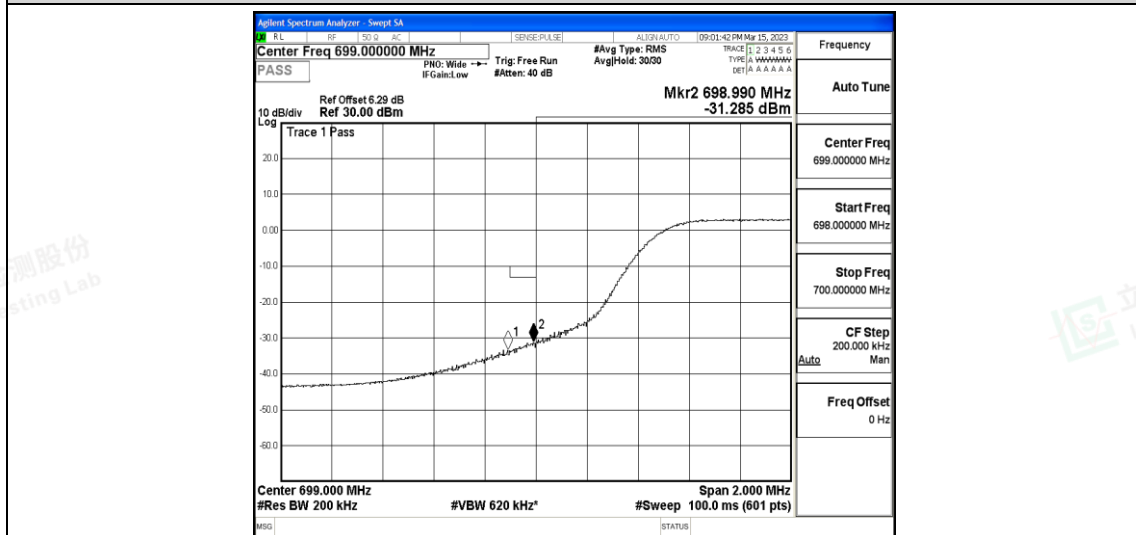


Band12-10MHz-QPSK-23130-50RB#0

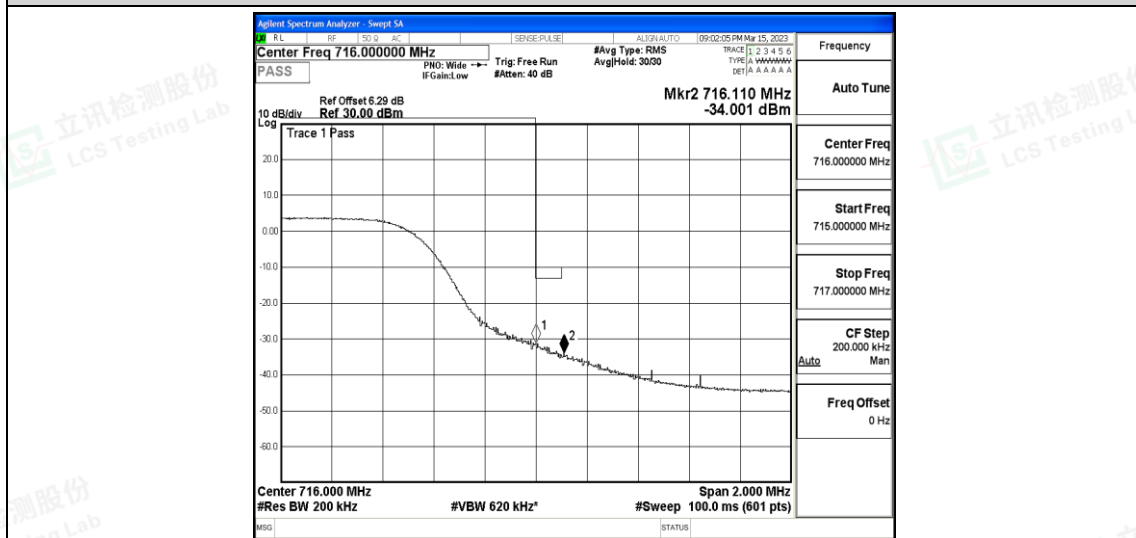




Band12-10MHz-16QAM-23060-50RB#0



Band12-10MHz-16QAM-23130-50RB#0





G.5 Conducted Spurious Emission

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	Range1:0.009~0.15MHz	-57.05	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	Range2:0.15~30MHz	-49.56	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	Range3:30~1000MHz	-41.4	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	Range4:1000~10000MHz	-44.99	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	Range1:0.009~0.15MHz	-55.34	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	Range2:0.15~30MHz	-51.1	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	Range3:30~1000MHz	-40.79	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	Range4:1000~10000MHz	-44.95	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	Range1:0.009~0.15MHz	-54.96	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	Range2:0.15~30MHz	-52.22	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	Range3:30~1000MHz	-41.07	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	Range4:1000~10000MHz	-44.88	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	Range1:0.009~0.15MHz	-55.61	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	Range2:0.15~30MHz	-51.8	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	Range3:30~1000MHz	-40.97	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	Range4:1000~10000MHz	-44.81	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	Range1:0.009~0.15MHz	-56.16	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	Range2:0.15~30MHz	-50.64	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	Range3:30~1000MHz	-40.68	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	Range4:1000~10000MHz	-44.97	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	Range1:0.009~0.15MHz	-54.85	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	Range2:0.15~30MHz	-50.66	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	Range3:30~1000MHz	-40.29	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	Range4:1000~10000MHz	-44.96	PASS
Band12	3MHz	QPSK	23025	1RB#0	Range1:0.009~0.15MHz	-55.39	PASS
Band12	3MHz	QPSK	23025	1RB#0	Range2:0.15~30MHz	-49.36	PASS
Band12	3MHz	QPSK	23025	1RB#0	Range3:30~1000MHz	-40.62	PASS
Band12	3MHz	QPSK	23025	1RB#0	Range4:1000~10000MHz	-44.91	PASS
Band12	3MHz	QPSK	23095	1RB#0	Range1:0.009~0.15MHz	-55.04	PASS
Band12	3MHz	QPSK	23095	1RB#0	Range2:0.15~30MHz	-51.25	PASS
Band12	3MHz	QPSK	23095	1RB#0	Range3:30~1000MHz	-40.07	PASS
Band12	3MHz	QPSK	23095	1RB#0	Range4:1000~10000MHz	-44.88	PASS
Band12	3MHz	QPSK	23165	1RB#0	Range1:0.009~0.15MHz	-56.3	PASS
Band12	3MHz	QPSK	23165	1RB#0	Range2:0.15~30MHz	-52.12	PASS
Band12	3MHz	QPSK	23165	1RB#0	Range3:30~1000MHz	-40.8	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



Band12	3MHz	QPSK	23165	1RB#0	Range4:1000~10000MHz	-44.83	PASS
Band12	3MHz	16QAM	23025	1RB#0	Range1:0.009~0.15MHz	-56.76	PASS
Band12	3MHz	16QAM	23025	1RB#0	Range2:0.15~30MHz	-51.17	PASS
Band12	3MHz	16QAM	23025	1RB#0	Range3:30~1000MHz	-41.21	PASS
Band12	3MHz	16QAM	23025	1RB#0	Range4:1000~10000MHz	-44.79	PASS
Band12	3MHz	16QAM	23095	1RB#0	Range1:0.009~0.15MHz	-55	PASS
Band12	3MHz	16QAM	23095	1RB#0	Range2:0.15~30MHz	-50.83	PASS
Band12	3MHz	16QAM	23095	1RB#0	Range3:30~1000MHz	-40.19	PASS
Band12	3MHz	16QAM	23095	1RB#0	Range4:1000~10000MHz	-44.83	PASS
Band12	3MHz	16QAM	23165	1RB#0	Range1:0.009~0.15MHz	-56.57	PASS
Band12	3MHz	16QAM	23165	1RB#0	Range2:0.15~30MHz	-51.89	PASS
Band12	3MHz	16QAM	23165	1RB#0	Range3:30~1000MHz	-40.7	PASS
Band12	3MHz	16QAM	23165	1RB#0	Range4:1000~10000MHz	-44.83	PASS
Band12	5MHz	QPSK	23035	1RB#0	Range1:0.009~0.15MHz	-54.71	PASS
Band12	5MHz	QPSK	23035	1RB#0	Range2:0.15~30MHz	-50.8	PASS
Band12	5MHz	QPSK	23035	1RB#0	Range3:30~1000MHz	-40.05	PASS
Band12	5MHz	QPSK	23035	1RB#0	Range4:1000~10000MHz	-44.92	PASS
Band12	5MHz	QPSK	23095	1RB#0	Range1:0.009~0.15MHz	-54.81	PASS
Band12	5MHz	QPSK	23095	1RB#0	Range2:0.15~30MHz	-50.49	PASS
Band12	5MHz	QPSK	23095	1RB#0	Range3:30~1000MHz	-40.71	PASS
Band12	5MHz	QPSK	23095	1RB#0	Range4:1000~10000MHz	-44.58	PASS
Band12	5MHz	QPSK	23155	1RB#0	Range1:0.009~0.15MHz	-53.87	PASS
Band12	5MHz	QPSK	23155	1RB#0	Range2:0.15~30MHz	-51.75	PASS
Band12	5MHz	QPSK	23155	1RB#0	Range3:30~1000MHz	-39.79	PASS
Band12	5MHz	QPSK	23155	1RB#0	Range4:1000~10000MHz	-44.93	PASS
Band12	5MHz	16QAM	23035	1RB#0	Range1:0.009~0.15MHz	-55.65	PASS
Band12	5MHz	16QAM	23035	1RB#0	Range2:0.15~30MHz	-50.96	PASS
Band12	5MHz	16QAM	23035	1RB#0	Range3:30~1000MHz	-40.95	PASS
Band12	5MHz	16QAM	23035	1RB#0	Range4:1000~10000MHz	-44.94	PASS
Band12	5MHz	16QAM	23095	1RB#0	Range1:0.009~0.15MHz	-56.02	PASS
Band12	5MHz	16QAM	23095	1RB#0	Range2:0.15~30MHz	-48.92	PASS
Band12	5MHz	16QAM	23095	1RB#0	Range3:30~1000MHz	-40.98	PASS
Band12	5MHz	16QAM	23095	1RB#0	Range4:1000~10000MHz	-44.97	PASS
Band12	5MHz	16QAM	23155	1RB#0	Range1:0.009~0.15MHz	-55.74	PASS
Band12	5MHz	16QAM	23155	1RB#0	Range2:0.15~30MHz	-51.06	PASS
Band12	5MHz	16QAM	23155	1RB#0	Range3:30~1000MHz	-41.08	PASS
Band12	5MHz	16QAM	23155	1RB#0	Range4:1000~10000MHz	-44.92	PASS
Band12	10MHz	QPSK	23060	1RB#0	Range1:0.009~0.15MHz	-53.51	PASS
Band12	10MHz	QPSK	23060	1RB#0	Range2:0.15~30MHz	-50.59	PASS
Band12	10MHz	QPSK	23060	1RB#0	Range3:30~1000MHz	-40.32	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

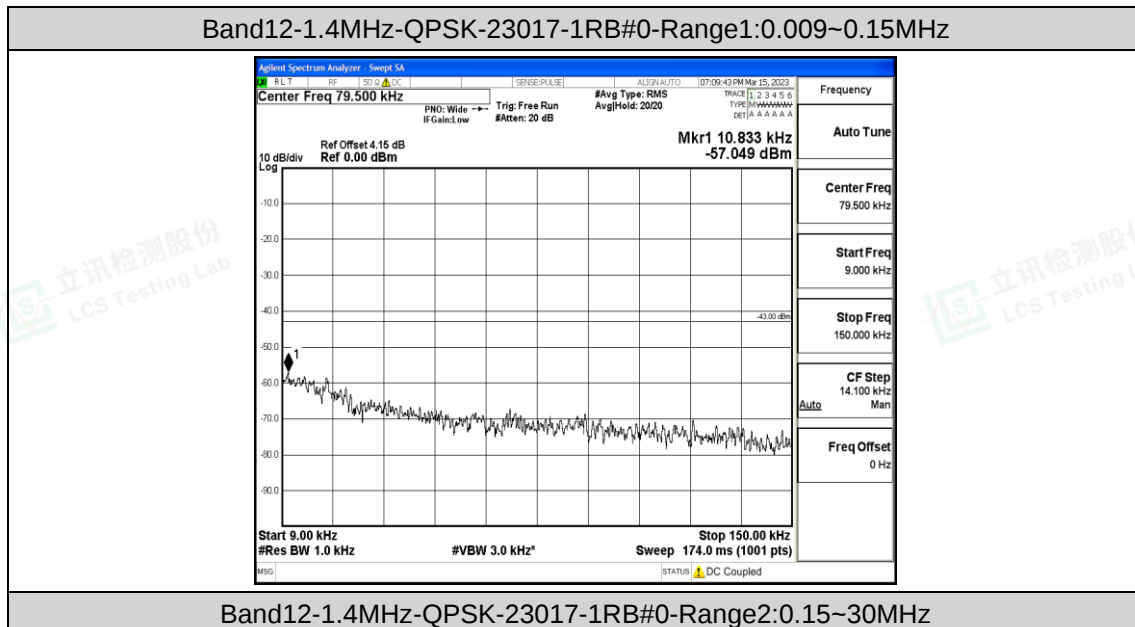
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

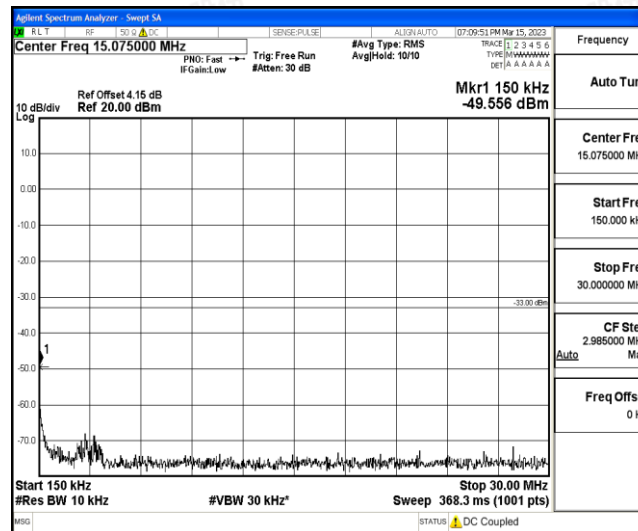
Scan code to check authenticity



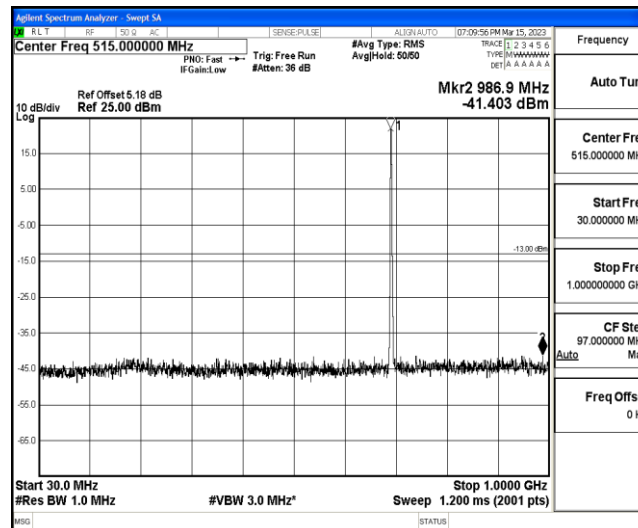
Band12	10MHz	QPSK	23060	1RB#0	Range4:1000~10000MHz	-44.88	PASS
Band12	10MHz	QPSK	23095	1RB#0	Range1:0.009~0.15MHz	-55.36	PASS
Band12	10MHz	QPSK	23095	1RB#0	Range2:0.15~30MHz	-52.21	PASS
Band12	10MHz	QPSK	23095	1RB#0	Range3:30~1000MHz	-41.07	PASS
Band12	10MHz	QPSK	23095	1RB#0	Range4:1000~10000MHz	-44.71	PASS
Band12	10MHz	QPSK	23130	1RB#0	Range1:0.009~0.15MHz	-55.46	PASS
Band12	10MHz	QPSK	23130	1RB#0	Range2:0.15~30MHz	-48.75	PASS
Band12	10MHz	QPSK	23130	1RB#0	Range3:30~1000MHz	-40.93	PASS
Band12	10MHz	QPSK	23130	1RB#0	Range4:1000~10000MHz	-44.98	PASS
Band12	10MHz	16QAM	23060	1RB#0	Range1:0.009~0.15MHz	-55	PASS
Band12	10MHz	16QAM	23060	1RB#0	Range2:0.15~30MHz	-50.12	PASS
Band12	10MHz	16QAM	23060	1RB#0	Range3:30~1000MHz	-40.05	PASS
Band12	10MHz	16QAM	23060	1RB#0	Range4:1000~10000MHz	-44.9	PASS
Band12	10MHz	16QAM	23095	1RB#0	Range1:0.009~0.15MHz	-56.5	PASS
Band12	10MHz	16QAM	23095	1RB#0	Range2:0.15~30MHz	-50.64	PASS
Band12	10MHz	16QAM	23095	1RB#0	Range3:30~1000MHz	-40.14	PASS
Band12	10MHz	16QAM	23095	1RB#0	Range4:1000~10000MHz	-44.9	PASS
Band12	10MHz	16QAM	23130	1RB#0	Range1:0.009~0.15MHz	-55.75	PASS
Band12	10MHz	16QAM	23130	1RB#0	Range2:0.15~30MHz	-51.47	PASS
Band12	10MHz	16QAM	23130	1RB#0	Range3:30~1000MHz	-41.15	PASS
Band12	10MHz	16QAM	23130	1RB#0	Range4:1000~10000MHz	-44.7	PASS

Test Graphs

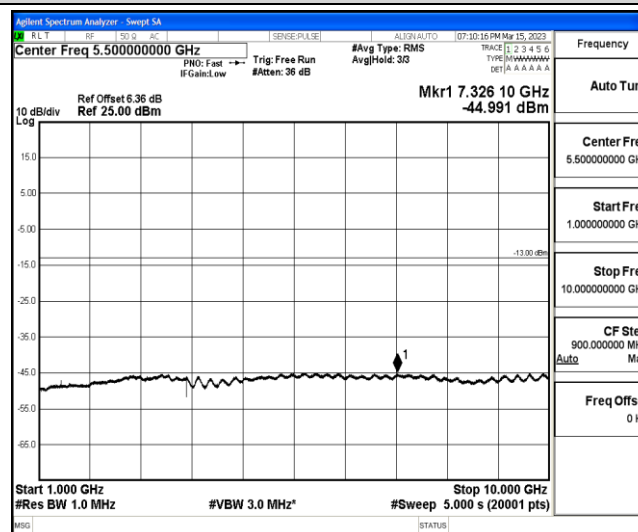




Band12-1.4MHz-QPSK-23017-1RB#0-Range3:30~1000MHz

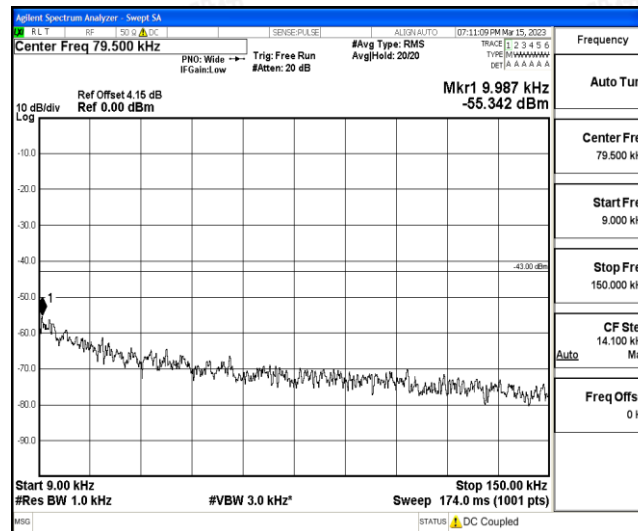


Band12-1.4MHz-QPSK-23017-1RB#0-Range4:1000~10000MHz

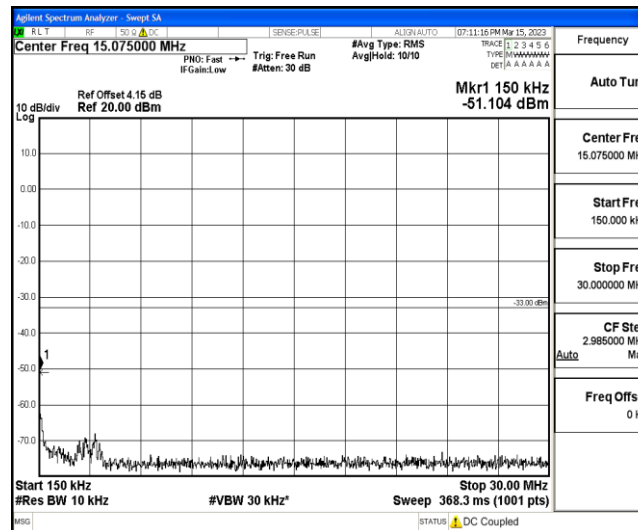


Band12-1.4MHz-QPSK-23095-1RB#0-Range1:0.009~0.15MHz

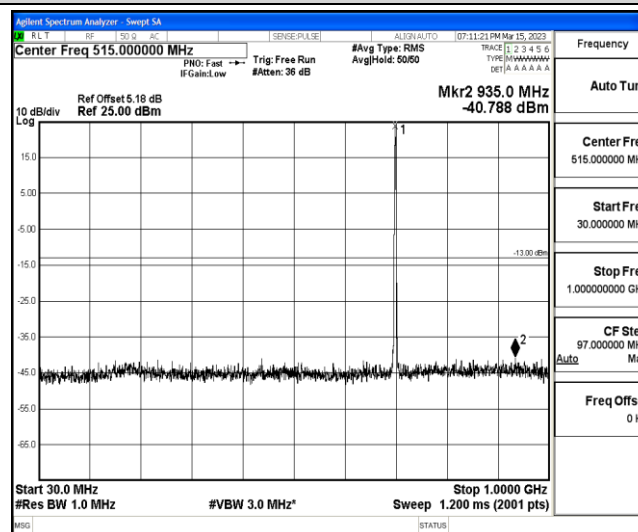




Band12-1.4MHz-QPSK-23095-1RB#0-Range2:0.15~30MHz



Band12-1.4MHz-QPSK-23095-1RB#0-Range3:30~1000MHz



Band12-1.4MHz-QPSK-23095-1RB#0-Range4:1000~10000MHz

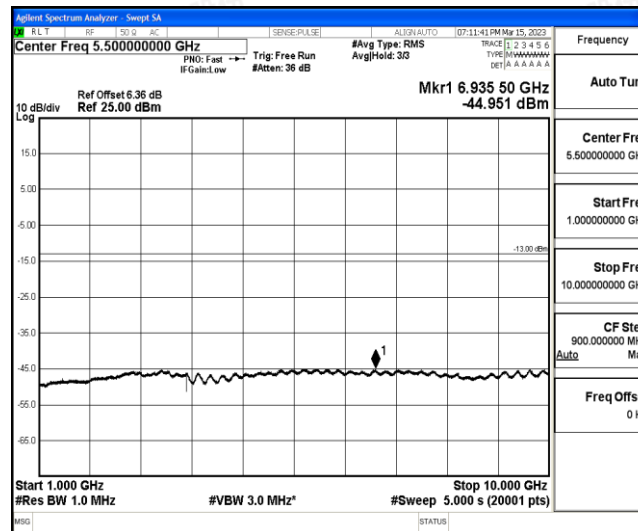


Shenzhen LCS Compliance Testing Laboratory Ltd.

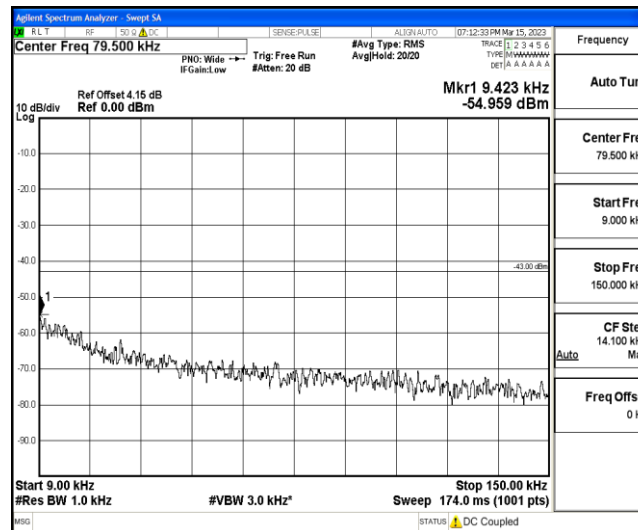
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

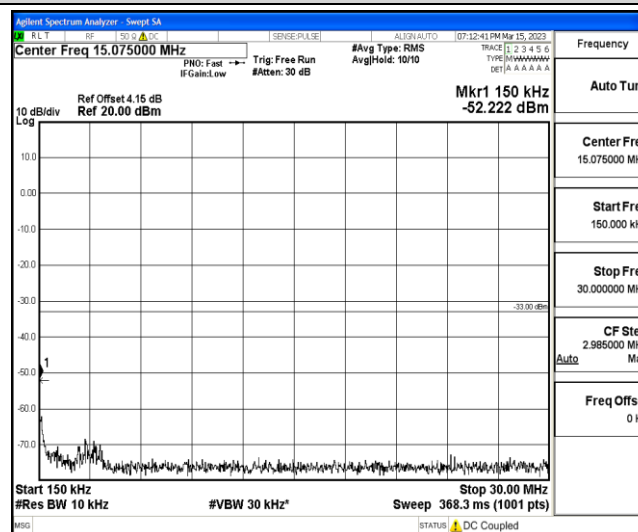
Scan code to check authenticity



Band12-1.4MHz-QPSK-23173-1RB#0-Range1:0.009~0.15MHz

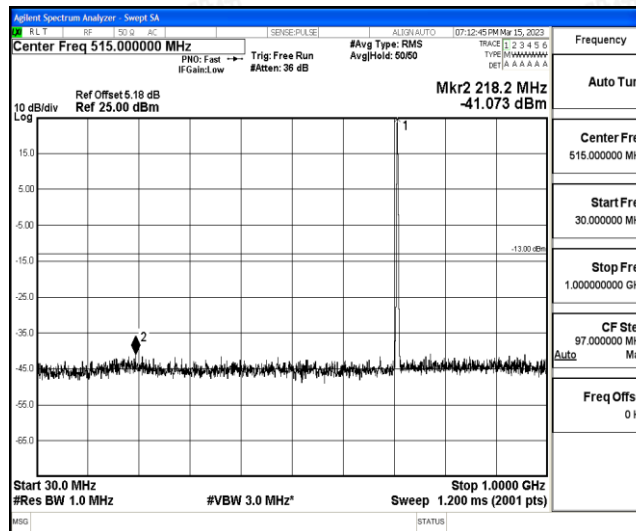


Band12-1.4MHz-QPSK-23173-1RB#0-Range2:0.15~30MHz

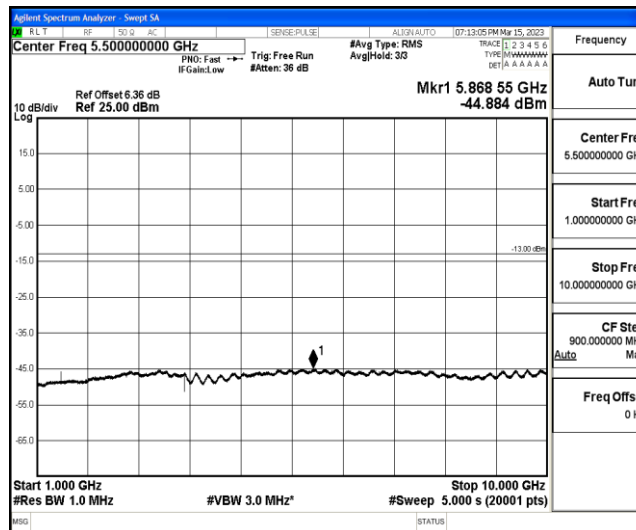


Band12-1.4MHz-QPSK-23173-1RB#0-Range3:30~1000MHz

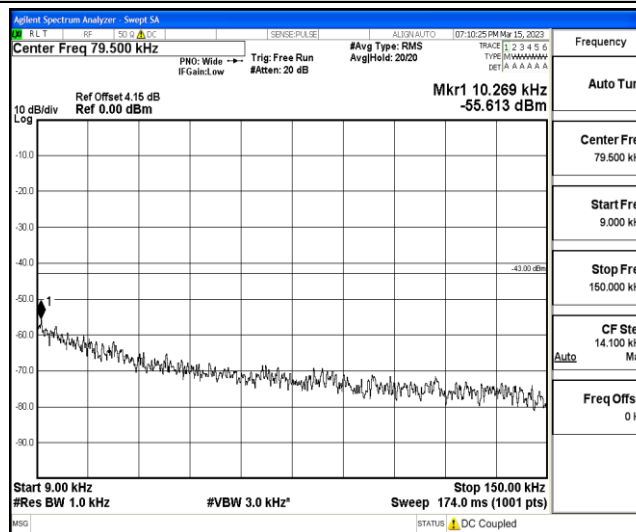




Band12-1.4MHz-QPSK-23173-1RB#0-Range4:1000~10000MHz

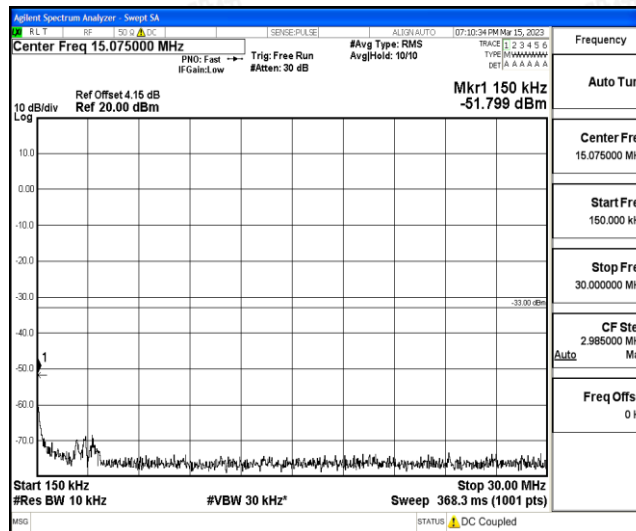


Band12-1.4MHz-16QAM-23017-1RB#0-Range1:0.009~0.15MHz

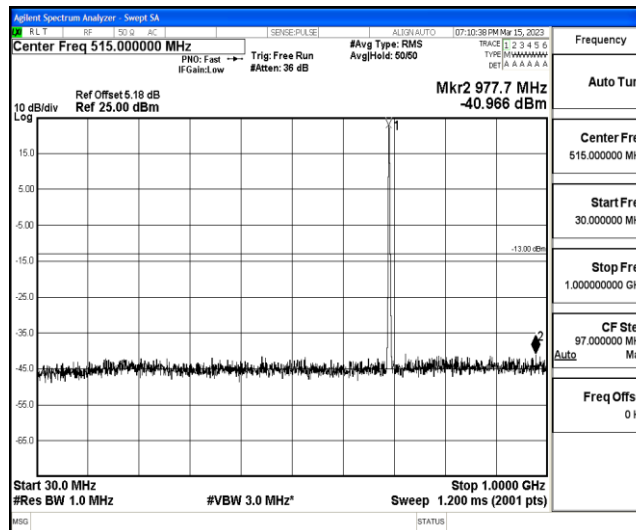


Band12-1.4MHz-16QAM-23017-1RB#0-Range2:0.15~30MHz

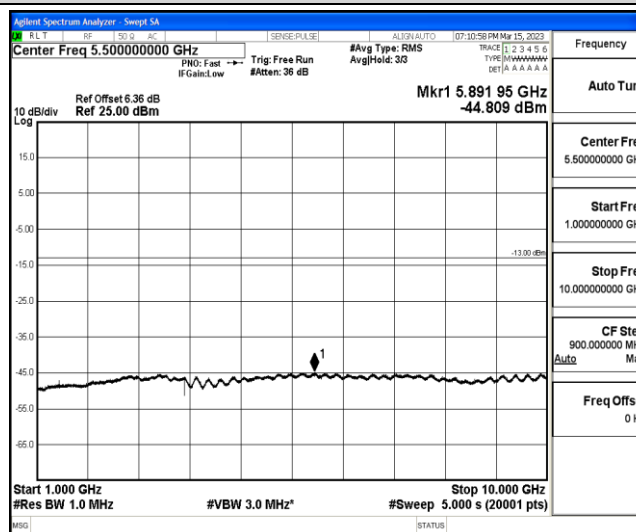




Band12-1.4MHz-16QAM-23017-1RB#0-Range3:30~1000MHz



Band12-1.4MHz-16QAM-23017-1RB#0-Range4:1000~10000MHz



Band12-1.4MHz-16QAM-23095-1RB#0-Range1:0.009~0.15MHz

