



Appendix L: Test Data for E-UTRA Band 12

Product Name: Smart Phone

Test Model: BraX3

Environmental Conditions

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





L.1 Conducted Output Power Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	24.50	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	23.36	PASS
Band12	1.4MHz	QPSK	23017	1RB#2	24.49	PASS
Band12	1.4MHz	16QAM	23017	1RB#2	23.34	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	24.58	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	23.44	PASS
Band12	1.4MHz	QPSK	23017	3RB#0	24.56	PASS
Band12	1.4MHz	16QAM	23017	3RB#0	23.30	PASS
Band12	1.4MHz	QPSK	23017	3RB#1	24.51	PASS
Band12	1.4MHz	16QAM	23017	3RB#1	23.31	PASS
Band12	1.4MHz	QPSK	23017	3RB#3	24.55	PASS
Band12	1.4MHz	16QAM	23017	3RB#3	23.33	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	23.50	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	22.35	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	24.47	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	23.26	PASS
Band12	1.4MHz	QPSK	23095	1RB#2	24.45	PASS
Band12	1.4MHz	16QAM	23095	1RB#2	23.22	PASS
Band12	1.4MHz	QPSK	23095	1RB#5	24.47	PASS
Band12	1.4MHz	16QAM	23095	1RB#5	23.26	PASS
Band12	1.4MHz	QPSK	23095	3RB#0	24.48	PASS
Band12	1.4MHz	16QAM	23095	3RB#0	23.31	PASS
Band12	1.4MHz	QPSK	23095	3RB#1	24.48	PASS
Band12	1.4MHz	16QAM	23095	3RB#1	23.30	PASS
Band12	1.4MHz	QPSK	23095	3RB#3	24.47	PASS
Band12	1.4MHz	16QAM	23095	3RB#3	23.28	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	23.49	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	22.43	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	24.38	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	23.34	PASS
Band12	1.4MHz	QPSK	23173	1RB#2	24.33	PASS
Band12	1.4MHz	16QAM	23173	1RB#2	23.35	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	24.35	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	23.29	PASS
Band12	1.4MHz	QPSK	23173	3RB#0	24.38	PASS
Band12	1.4MHz	16QAM	23173	3RB#0	23.24	PASS
Band12	1.4MHz	QPSK	23173	3RB#1	24.36	PASS



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Scan code to check authenticity



Band12	1.4MHz	16QAM	23173	3RB#1	23.24	PASS
Band12	1.4MHz	QPSK	23173	3RB#3	24.32	PASS
Band12	1.4MHz	16QAM	23173	3RB#3	23.19	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	23.39	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	22.41	PASS
Band12	3MHz	QPSK	23025	1RB#0	24.52	PASS
Band12	3MHz	16QAM	23025	1RB#0	23.49	PASS
Band12	3MHz	QPSK	23025	1RB#8	24.50	PASS
Band12	3MHz	16QAM	23025	1RB#8	23.51	PASS
Band12	3MHz	QPSK	23025	1RB#14	24.47	PASS
Band12	3MHz	16QAM	23025	1RB#14	23.49	PASS
Band12	3MHz	QPSK	23025	8RB#0	23.49	PASS
Band12	3MHz	16QAM	23025	8RB#0	22.51	PASS
Band12	3MHz	QPSK	23025	8RB#4	23.49	PASS
Band12	3MHz	16QAM	23025	8RB#4	22.50	PASS
Band12	3MHz	QPSK	23025	8RB#7	23.48	PASS
Band12	3MHz	16QAM	23025	8RB#7	22.49	PASS
Band12	3MHz	QPSK	23025	15RB#0	23.48	PASS
Band12	3MHz	16QAM	23025	15RB#0	22.50	PASS
Band12	3MHz	QPSK	23095	1RB#0	24.51	PASS
Band12	3MHz	16QAM	23095	1RB#0	23.42	PASS
Band12	3MHz	QPSK	23095	1RB#8	24.52	PASS
Band12	3MHz	16QAM	23095	1RB#8	23.34	PASS
Band12	3MHz	QPSK	23095	1RB#14	24.51	PASS
Band12	3MHz	16QAM	23095	1RB#14	23.33	PASS
Band12	3MHz	QPSK	23095	8RB#0	23.48	PASS
Band12	3MHz	16QAM	23095	8RB#0	22.48	PASS
Band12	3MHz	QPSK	23095	8RB#4	23.49	PASS
Band12	3MHz	16QAM	23095	8RB#4	22.47	PASS
Band12	3MHz	QPSK	23095	8RB#7	23.44	PASS
Band12	3MHz	16QAM	23095	8RB#7	22.46	PASS
Band12	3MHz	QPSK	23095	15RB#0	23.50	PASS
Band12	3MHz	16QAM	23095	15RB#0	22.37	PASS
Band12	3MHz	QPSK	23165	1RB#0	24.41	PASS
Band12	3MHz	16QAM	23165	1RB#0	23.21	PASS
Band12	3MHz	QPSK	23165	1RB#8	24.40	PASS
Band12	3MHz	16QAM	23165	1RB#8	23.18	PASS
Band12	3MHz	QPSK	23165	1RB#14	24.35	PASS
Band12	3MHz	16QAM	23165	1RB#14	23.18	PASS
Band12	3MHz	QPSK	23165	8RB#0	23.47	PASS
Band12	3MHz	16QAM	23165	8RB#0	22.43	PASS
Band12	3MHz	QPSK	23165	8RB#4	23.47	PASS
Band12	3MHz	16QAM	23165	8RB#4	22.43	PASS



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Band12	3MHz	QPSK	23165	8RB#7	23.44	PASS
Band12	3MHz	16QAM	23165	8RB#7	22.40	PASS
Band12	3MHz	QPSK	23165	15RB#0	23.43	PASS
Band12	3MHz	16QAM	23165	15RB#0	22.33	PASS
Band12	5MHz	QPSK	23035	1RB#0	24.72	PASS
Band12	5MHz	16QAM	23035	1RB#0	23.57	PASS
Band12	5MHz	QPSK	23035	1RB#12	24.63	PASS
Band12	5MHz	16QAM	23035	1RB#12	23.45	PASS
Band12	5MHz	QPSK	23035	1RB#24	24.58	PASS
Band12	5MHz	16QAM	23035	1RB#24	23.48	PASS
Band12	5MHz	QPSK	23035	12RB#0	23.55	PASS
Band12	5MHz	16QAM	23035	12RB#0	22.52	PASS
Band12	5MHz	QPSK	23035	12RB#6	23.53	PASS
Band12	5MHz	16QAM	23035	12RB#6	22.51	PASS
Band12	5MHz	QPSK	23035	12RB#13	23.47	PASS
Band12	5MHz	16QAM	23035	12RB#13	22.46	PASS
Band12	5MHz	QPSK	23035	25RB#0	23.52	PASS
Band12	5MHz	16QAM	23035	25RB#0	22.52	PASS
Band12	5MHz	QPSK	23095	1RB#0	24.65	PASS
Band12	5MHz	16QAM	23095	1RB#0	23.64	PASS
Band12	5MHz	QPSK	23095	1RB#12	24.62	PASS
Band12	5MHz	16QAM	23095	1RB#12	23.58	PASS
Band12	5MHz	QPSK	23095	1RB#24	24.62	PASS
Band12	5MHz	16QAM	23095	1RB#24	23.59	PASS
Band12	5MHz	QPSK	23095	12RB#0	23.54	PASS
Band12	5MHz	16QAM	23095	12RB#0	22.61	PASS
Band12	5MHz	QPSK	23095	12RB#6	23.53	PASS
Band12	5MHz	16QAM	23095	12RB#6	22.61	PASS
Band12	5MHz	QPSK	23095	12RB#13	23.50	PASS
Band12	5MHz	16QAM	23095	12RB#13	22.57	PASS
Band12	5MHz	QPSK	23095	25RB#0	23.55	PASS
Band12	5MHz	16QAM	23095	25RB#0	22.50	PASS
Band12	5MHz	QPSK	23155	1RB#0	24.57	PASS
Band12	5MHz	16QAM	23155	1RB#0	23.44	PASS
Band12	5MHz	QPSK	23155	1RB#12	24.59	PASS
Band12	5MHz	16QAM	23155	1RB#12	23.40	PASS
Band12	5MHz	QPSK	23155	1RB#24	24.53	PASS
Band12	5MHz	16QAM	23155	1RB#24	23.39	PASS
Band12	5MHz	QPSK	23155	12RB#0	23.51	PASS
Band12	5MHz	16QAM	23155	12RB#0	22.52	PASS
Band12	5MHz	QPSK	23155	12RB#6	23.52	PASS
Band12	5MHz	16QAM	23155	12RB#6	22.53	PASS
Band12	5MHz	QPSK	23155	12RB#13	23.45	PASS



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Band12	5MHz	16QAM	23155	12RB#13	22.47	PASS
Band12	5MHz	QPSK	23155	25RB#0	23.53	PASS
Band12	5MHz	16QAM	23155	25RB#0	22.54	PASS
Band12	10MHz	QPSK	23060	1RB#0	24.60	PASS
Band12	10MHz	16QAM	23060	1RB#0	23.57	PASS
Band12	10MHz	QPSK	23060	1RB#24	24.44	PASS
Band12	10MHz	16QAM	23060	1RB#24	23.41	PASS
Band12	10MHz	QPSK	23060	1RB#49	24.57	PASS
Band12	10MHz	16QAM	23060	1RB#49	23.59	PASS
Band12	10MHz	QPSK	23060	25RB#0	23.51	PASS
Band12	10MHz	16QAM	23060	25RB#0	22.46	PASS
Band12	10MHz	QPSK	23060	25RB#12	23.50	PASS
Band12	10MHz	16QAM	23060	25RB#12	22.46	PASS
Band12	10MHz	QPSK	23060	25RB#25	23.54	PASS
Band12	10MHz	16QAM	23060	25RB#25	22.50	PASS
Band12	10MHz	QPSK	23060	50RB#0	23.51	PASS
Band12	10MHz	16QAM	23060	50RB#0	22.49	PASS
Band12	10MHz	QPSK	23095	1RB#0	24.55	PASS
Band12	10MHz	16QAM	23095	1RB#0	23.39	PASS
Band12	10MHz	QPSK	23095	1RB#24	24.51	PASS
Band12	10MHz	16QAM	23095	1RB#24	23.35	PASS
Band12	10MHz	QPSK	23095	1RB#49	24.53	PASS
Band12	10MHz	16QAM	23095	1RB#49	23.39	PASS
Band12	10MHz	QPSK	23095	25RB#0	23.51	PASS
Band12	10MHz	16QAM	23095	25RB#0	22.52	PASS
Band12	10MHz	QPSK	23095	25RB#12	23.51	PASS
Band12	10MHz	16QAM	23095	25RB#12	22.51	PASS
Band12	10MHz	QPSK	23095	25RB#25	23.51	PASS
Band12	10MHz	16QAM	23095	25RB#25	22.52	PASS
Band12	10MHz	QPSK	23095	50RB#0	23.52	PASS
Band12	10MHz	16QAM	23095	50RB#0	22.52	PASS
Band12	10MHz	QPSK	23130	1RB#0	24.50	PASS
Band12	10MHz	16QAM	23130	1RB#0	23.32	PASS
Band12	10MHz	QPSK	23130	1RB#24	24.42	PASS
Band12	10MHz	16QAM	23130	1RB#24	23.23	PASS
Band12	10MHz	QPSK	23130	1RB#49	24.42	PASS
Band12	10MHz	16QAM	23130	1RB#49	23.26	PASS
Band12	10MHz	QPSK	23130	25RB#0	23.50	PASS
Band12	10MHz	16QAM	23130	25RB#0	22.51	PASS
Band12	10MHz	QPSK	23130	25RB#12	23.49	PASS
Band12	10MHz	16QAM	23130	25RB#12	22.50	PASS
Band12	10MHz	QPSK	23130	25RB#25	23.43	PASS
Band12	10MHz	16QAM	23130	25RB#25	22.46	PASS



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Band12	10MHz	QPSK	23130	50RB#0	23.48	PASS
Band12	10MHz	16QAM	23130	50RB#0	22.48	PASS





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

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	4.25	13	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	5.26	13	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	5.05	13	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	5.86	13	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	4.07	13	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	5.09	13	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	4.93	13	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	5.74	13	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	4.13	13	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	5.15	13	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	4.91	13	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	5.73	13	PASS
Band12	3MHz	QPSK	23025	1RB#0	4.26	13	PASS
Band12	3MHz	16QAM	23025	1RB#0	5.16	13	PASS
Band12	3MHz	QPSK	23025	15RB#0	5.17	13	PASS
Band12	3MHz	16QAM	23025	15RB#0	5.96	13	PASS
Band12	3MHz	QPSK	23095	1RB#0	3.99	13	PASS
Band12	3MHz	16QAM	23095	1RB#0	4.93	13	PASS
Band12	3MHz	QPSK	23095	15RB#0	4.96	13	PASS
Band12	3MHz	16QAM	23095	15RB#0	5.78	13	PASS
Band12	3MHz	QPSK	23165	1RB#0	4.23	13	PASS
Band12	3MHz	16QAM	23165	1RB#0	5.17	13	PASS
Band12	3MHz	QPSK	23165	15RB#0	5.02	13	PASS
Band12	3MHz	16QAM	23165	15RB#0	5.83	13	PASS
Band12	5MHz	QPSK	23035	1RB#0	4.28	13	PASS
Band12	5MHz	16QAM	23035	1RB#0	5.00	13	PASS
Band12	5MHz	QPSK	23035	25RB#0	5.37	13	PASS
Band12	5MHz	16QAM	23035	25RB#0	6.05	13	PASS
Band12	5MHz	QPSK	23095	1RB#0	4.04	13	PASS
Band12	5MHz	16QAM	23095	1RB#0	4.81	13	PASS
Band12	5MHz	QPSK	23095	25RB#0	5.27	13	PASS
Band12	5MHz	16QAM	23095	25RB#0	5.95	13	PASS
Band12	5MHz	QPSK	23155	1RB#0	4.25	13	PASS
Band12	5MHz	16QAM	23155	1RB#0	4.99	13	PASS
Band12	5MHz	QPSK	23155	25RB#0	5.30	13	PASS
Band12	5MHz	16QAM	23155	25RB#0	5.99	13	PASS



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Band12	10MHz	QPSK	23060	1RB#0	4.26	13	PASS
Band12	10MHz	16QAM	23060	1RB#0	5.16	13	PASS
Band12	10MHz	QPSK	23060	50RB#0	5.33	13	PASS
Band12	10MHz	16QAM	23060	50RB#0	6.04	13	PASS
Band12	10MHz	QPSK	23095	1RB#0	4.25	13	PASS
Band12	10MHz	16QAM	23095	1RB#0	5.17	13	PASS
Band12	10MHz	QPSK	23095	50RB#0	5.30	13	PASS
Band12	10MHz	16QAM	23095	50RB#0	6.02	13	PASS
Band12	10MHz	QPSK	23130	1RB#0	3.92	13	PASS
Band12	10MHz	16QAM	23130	1RB#0	4.85	13	PASS
Band12	10MHz	QPSK	23130	50RB#0	5.23	13	PASS
Band12	10MHz	16QAM	23130	50RB#0	5.98	13	PASS





Test Graphs



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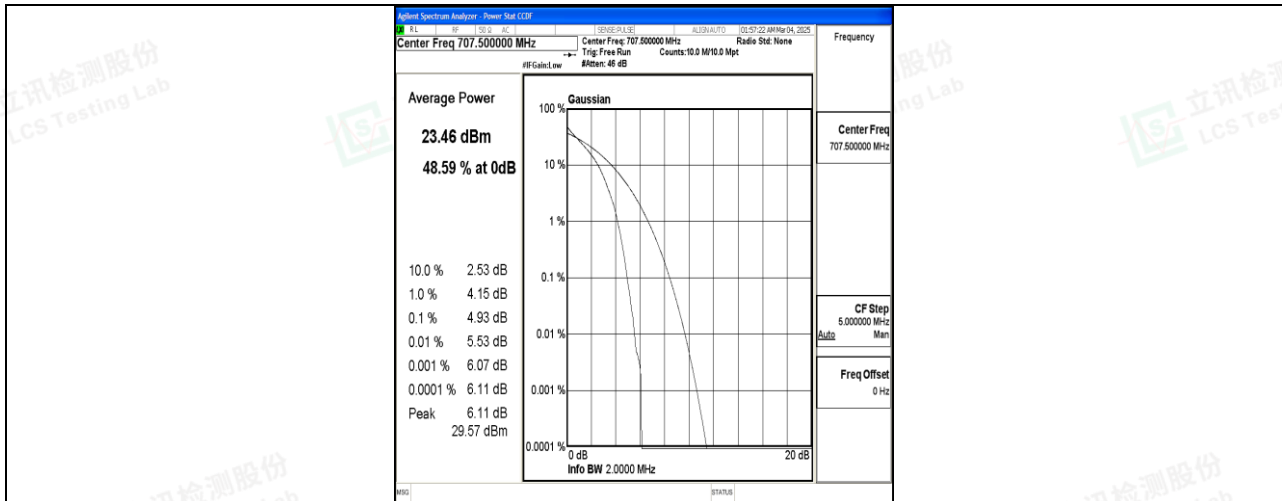


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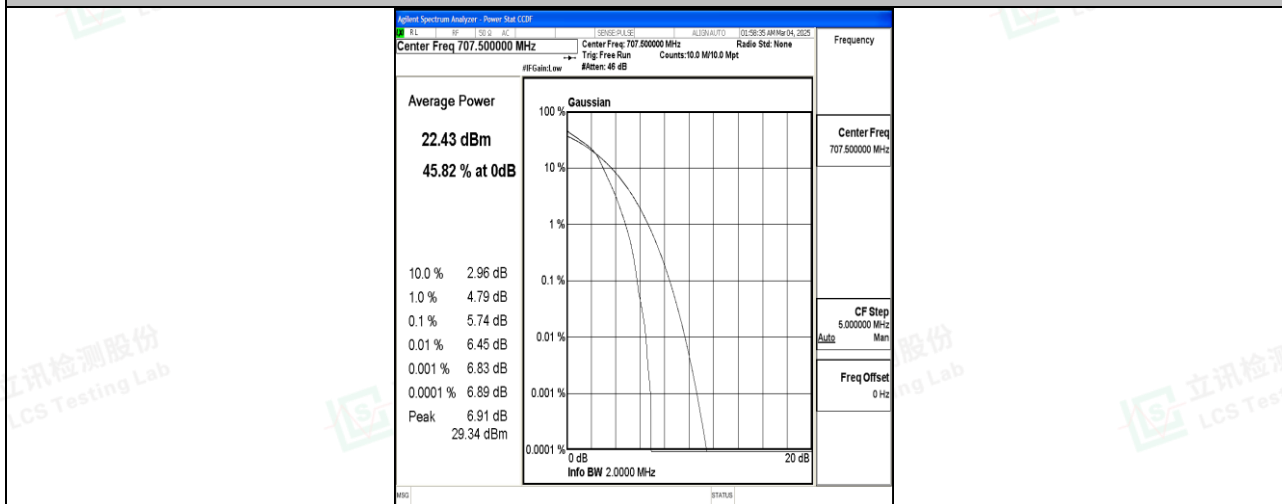
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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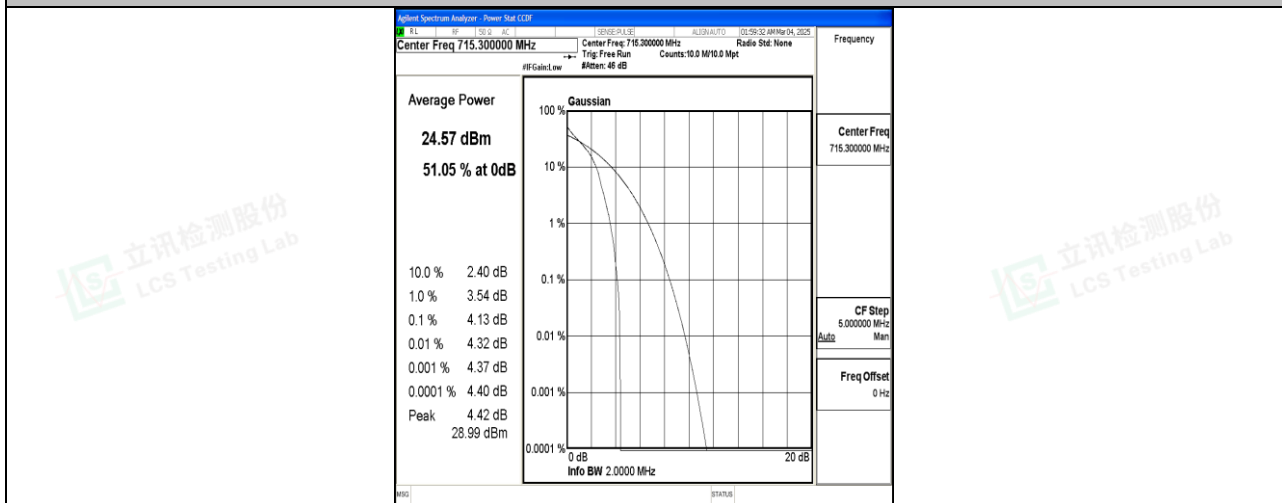
Scan code to check authenticity



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



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



Band12-1.4MHz-QPSK-23173-1RB#0-PASS

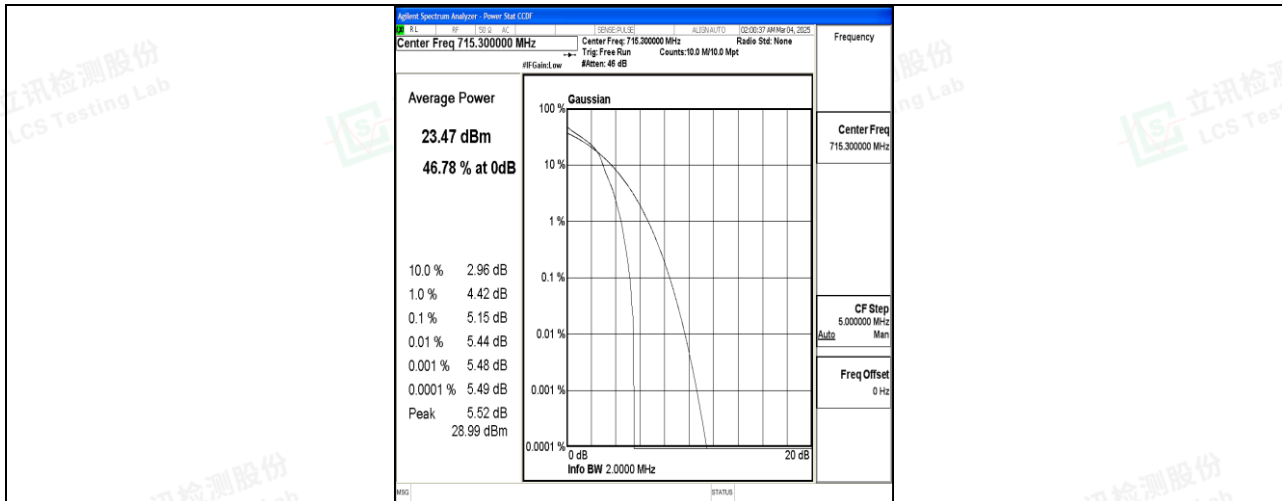


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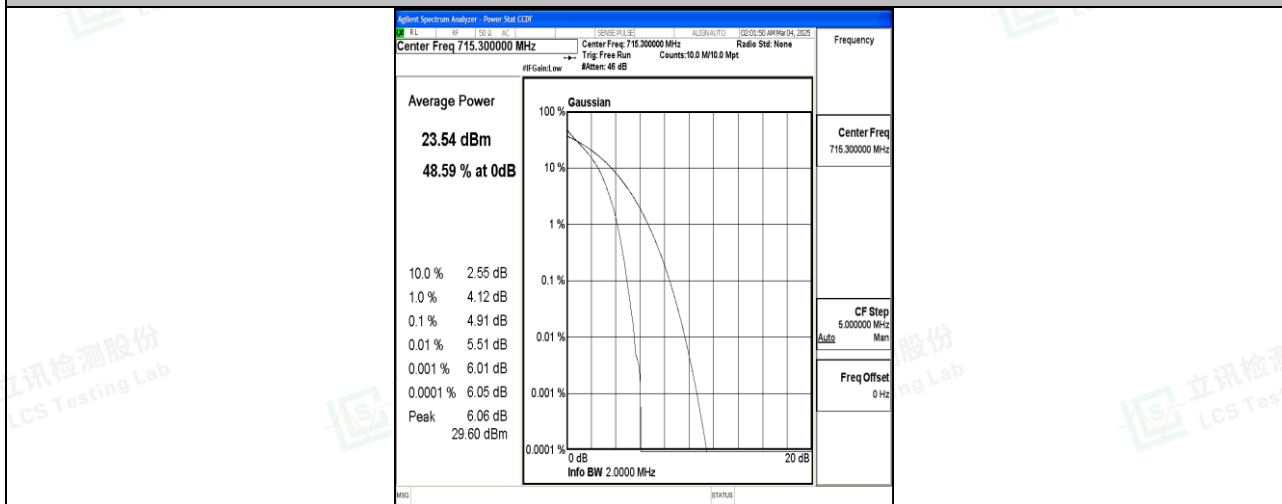
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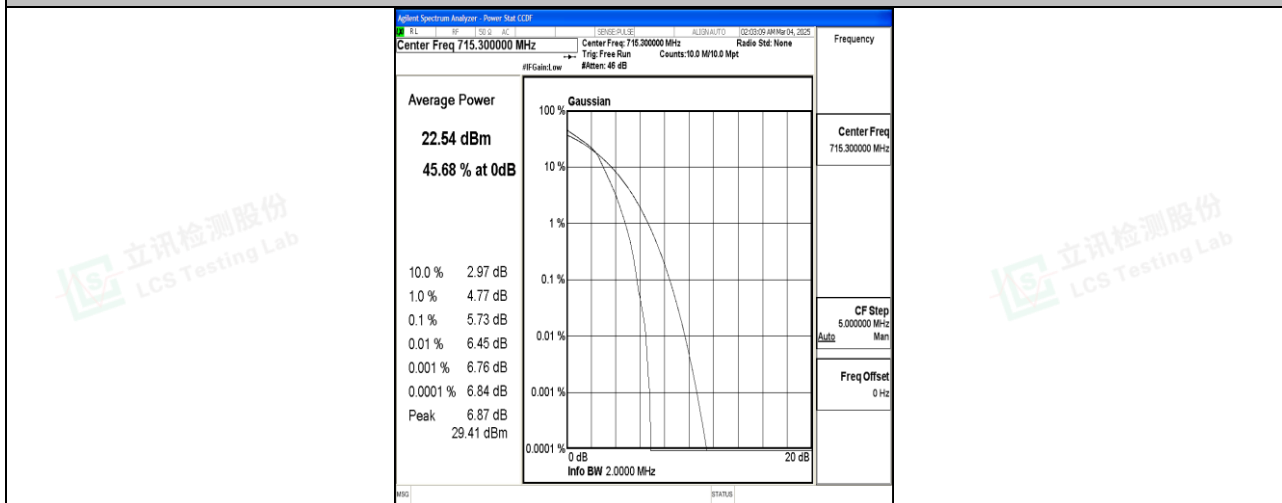
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Band12-1.4MHz-16QAM-23173-1RB#0-PASS



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



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

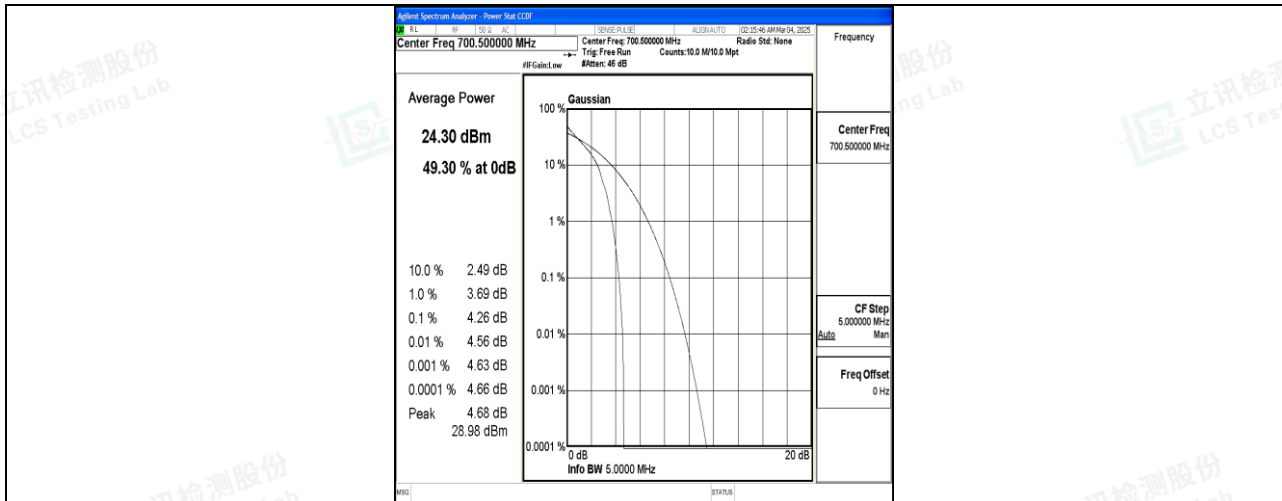


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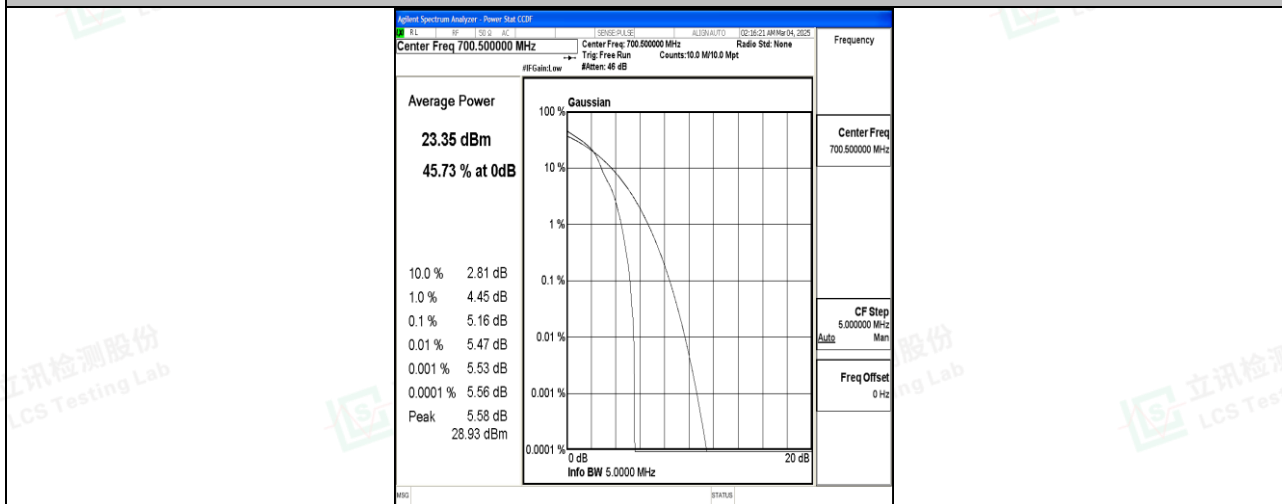
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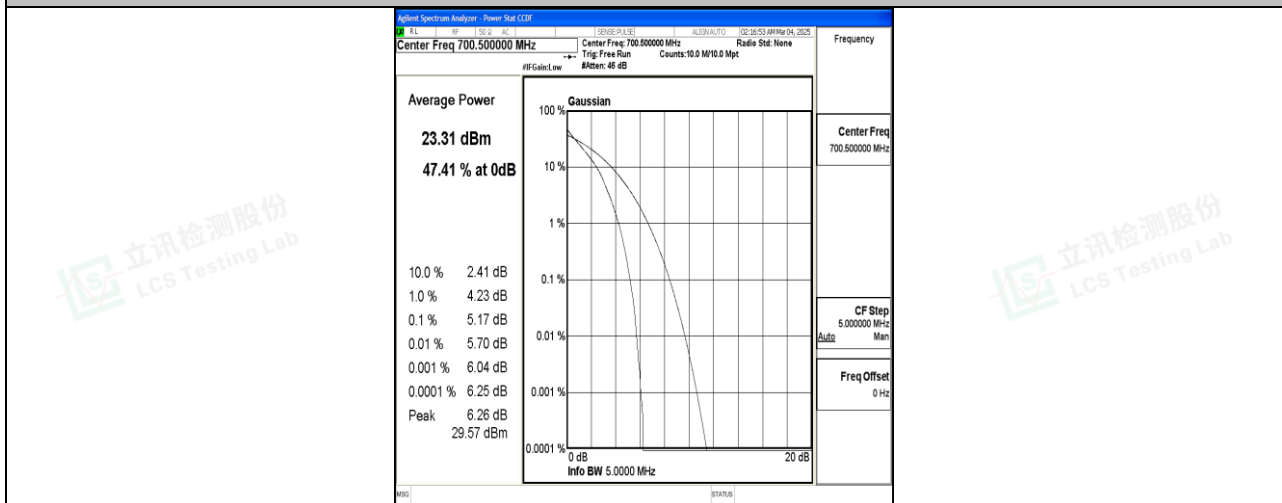
Scan code to check authenticity



Band12-3MHz-QPSK-23025-1RB#0-PASS



Band12-3MHz-16QAM-23025-1RB#0-PASS



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



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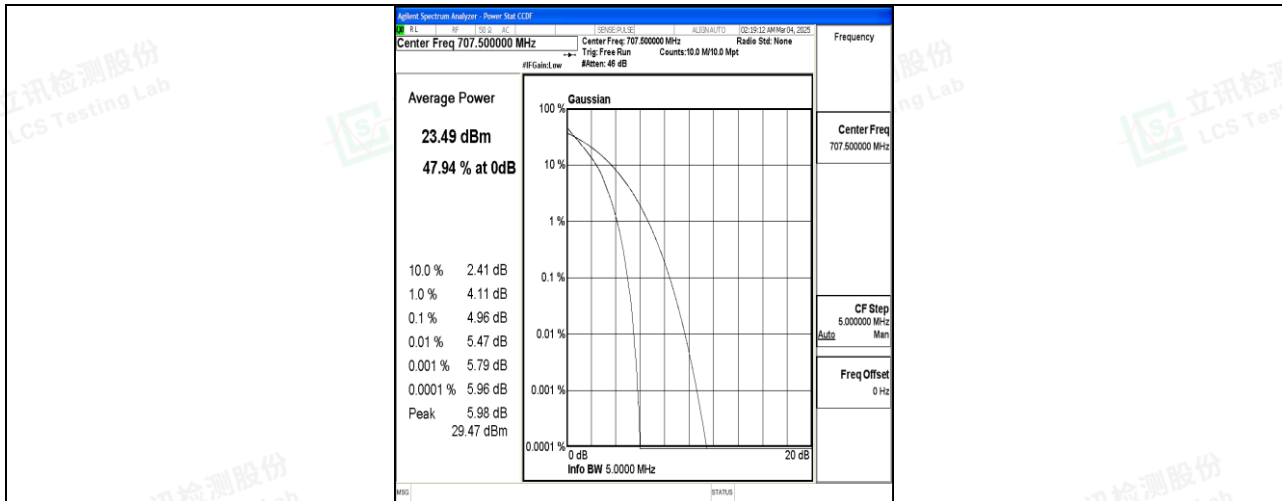


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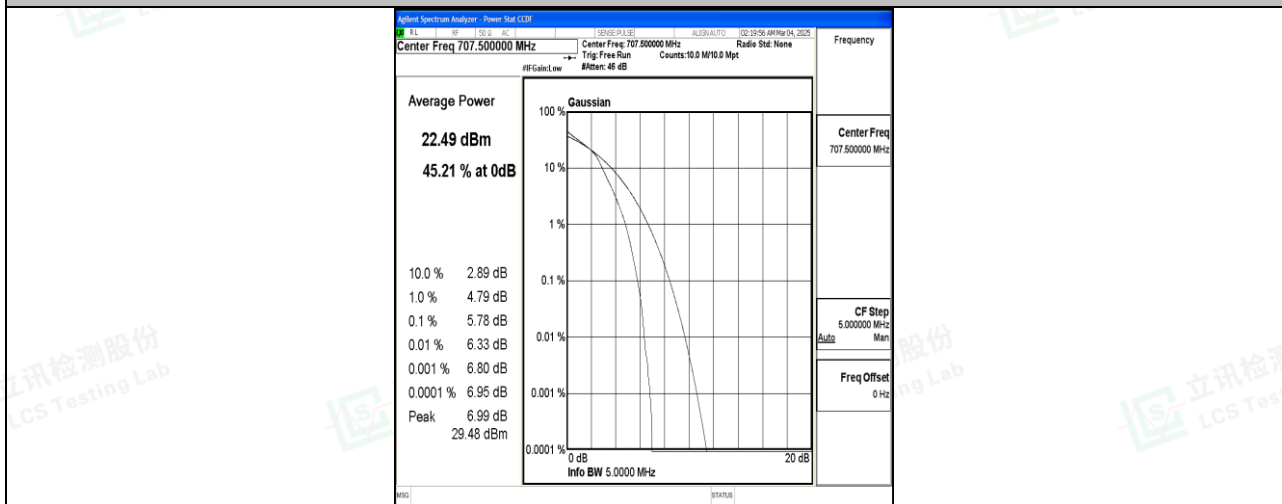
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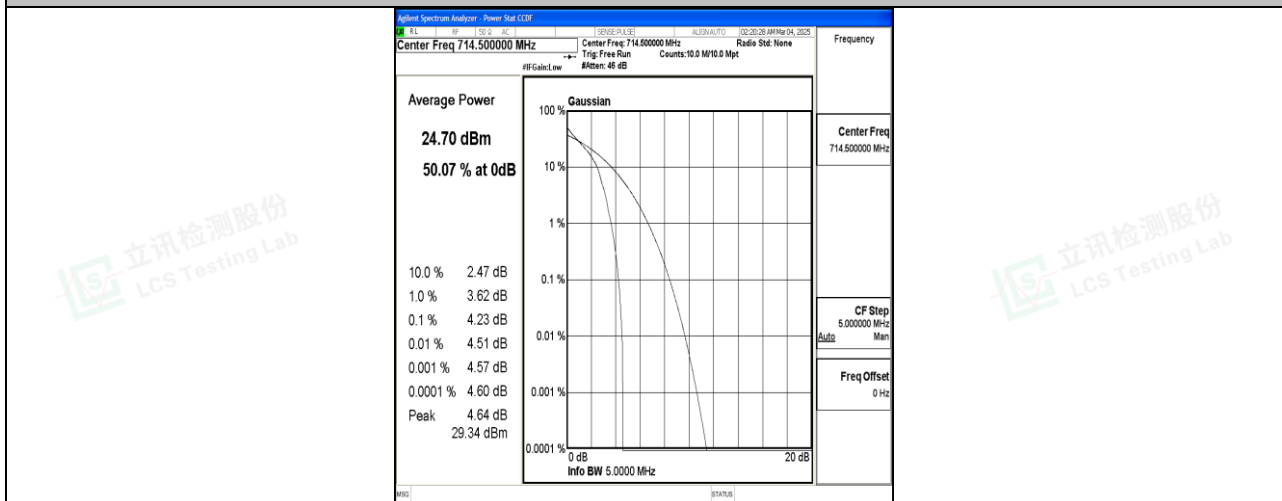
Scan code to check authenticity



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



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



Band12-3MHz-QPSK-23165-1RB#0-PASS



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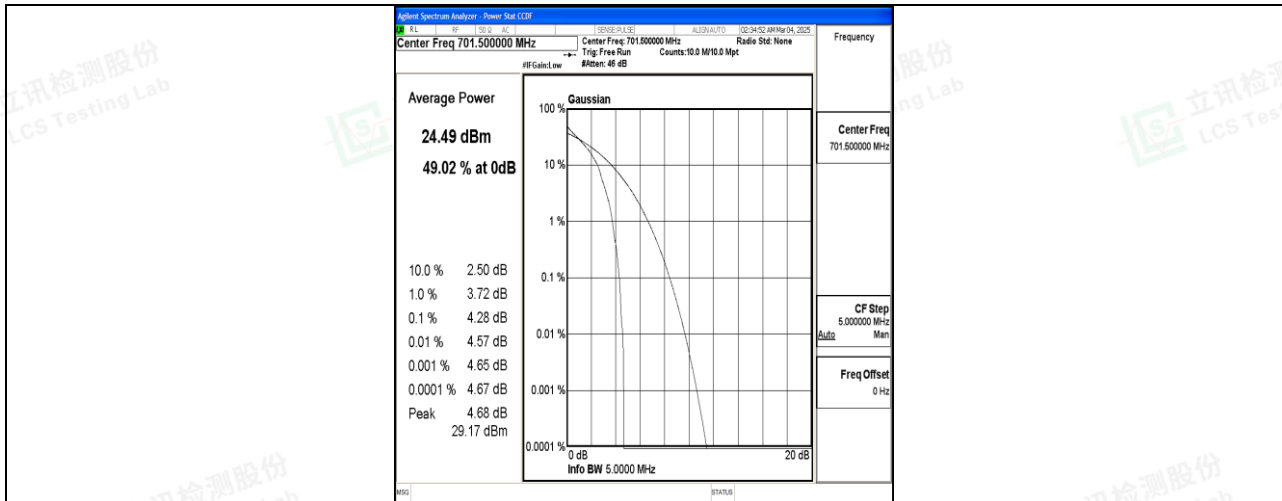


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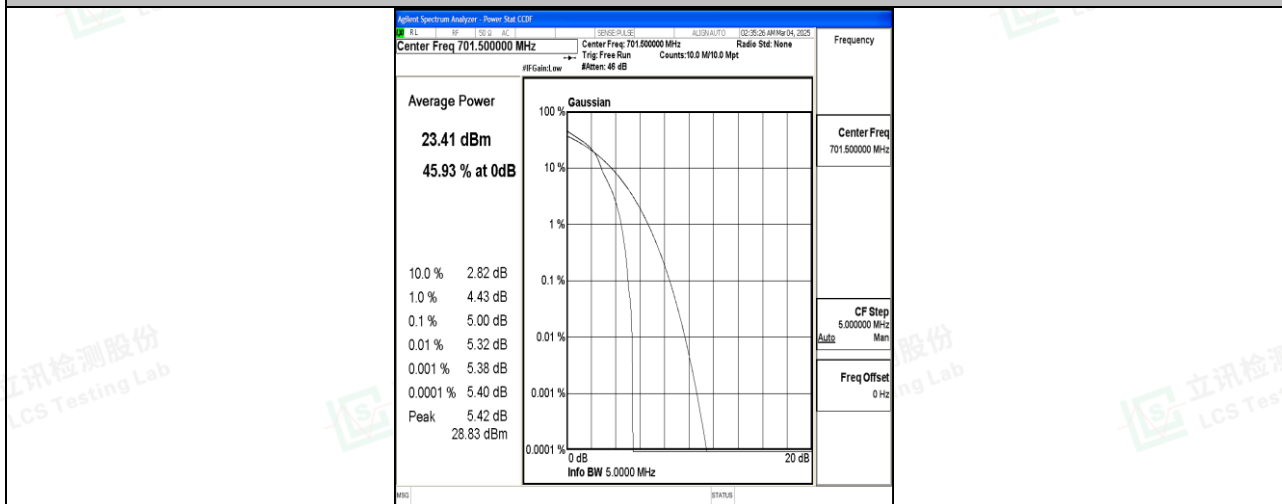
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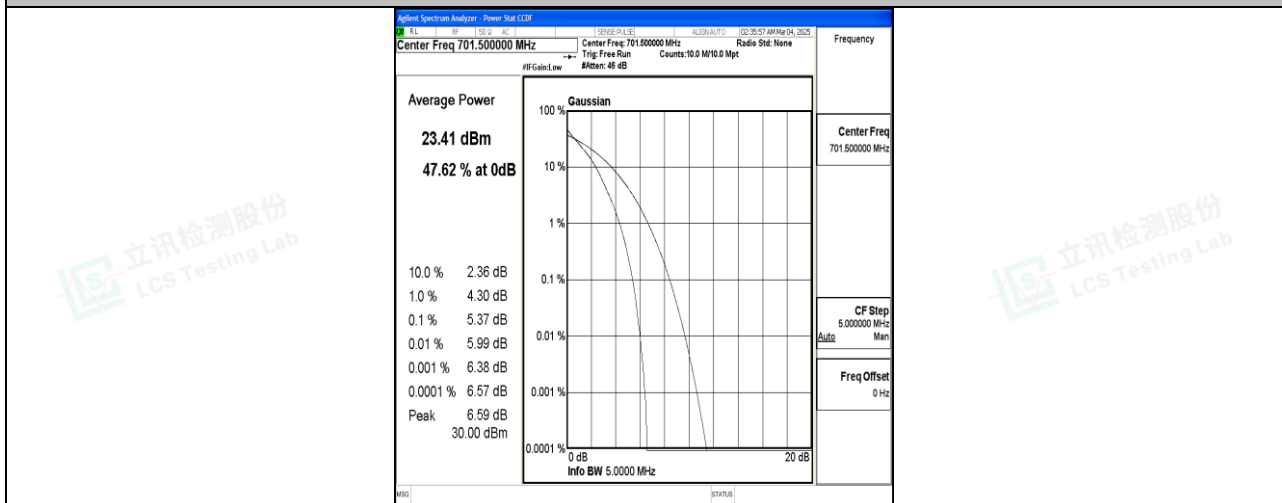
Scan code to check authenticity



Band12-5MHz-QPSK-23035-1RB#0-PASS



Band12-5MHz-16QAM-23035-1RB#0-PASS



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

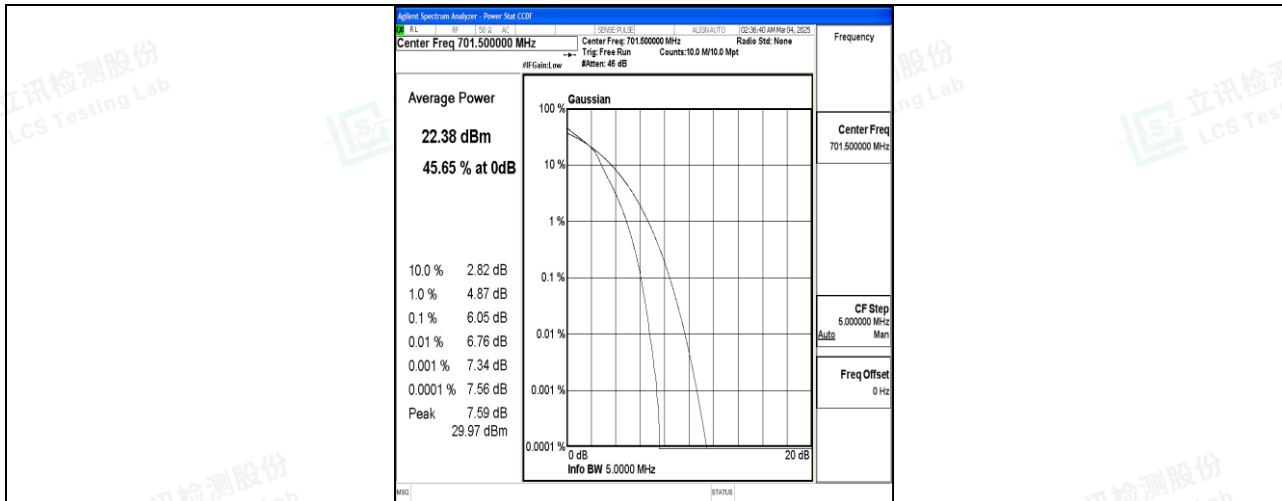


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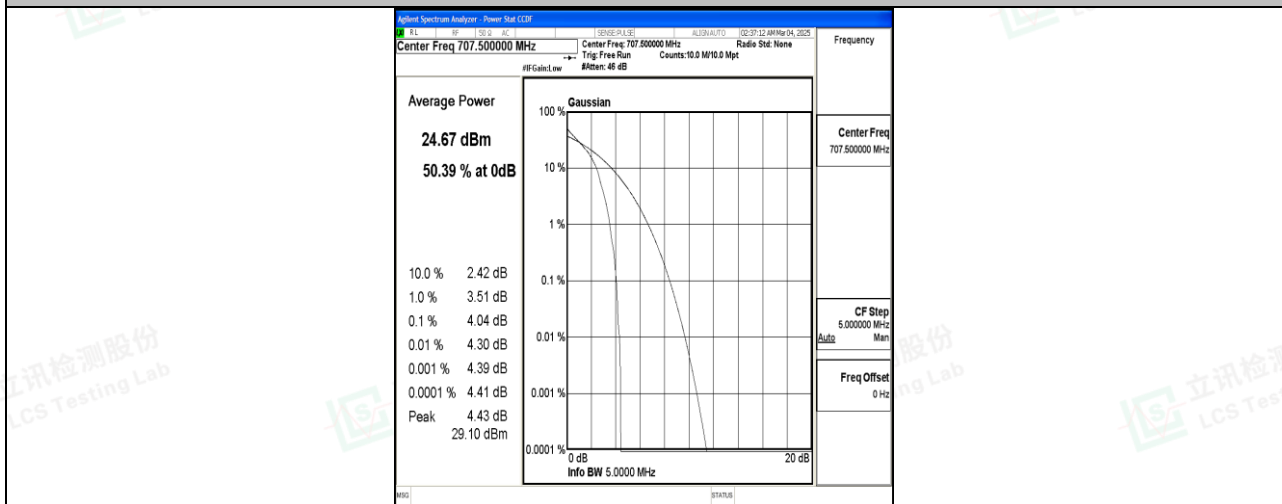
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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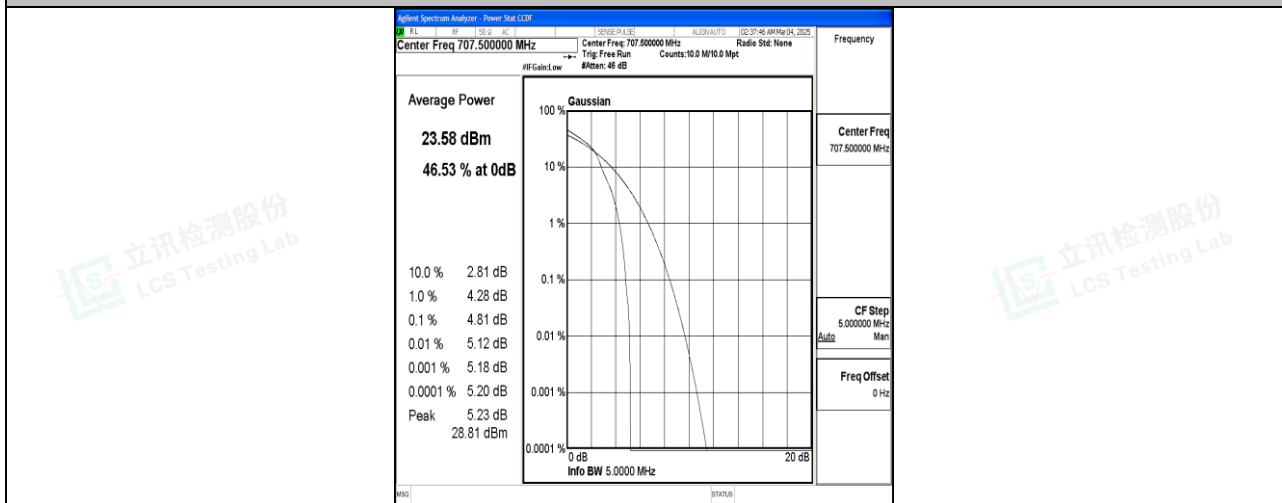
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Band12-5MHz-16QAM-23035-25RB#0-PASS



Band12-5MHz-QPSK-23095-1RB#0-PASS



Band12-5MHz-16QAM-23095-1RB#0-PASS

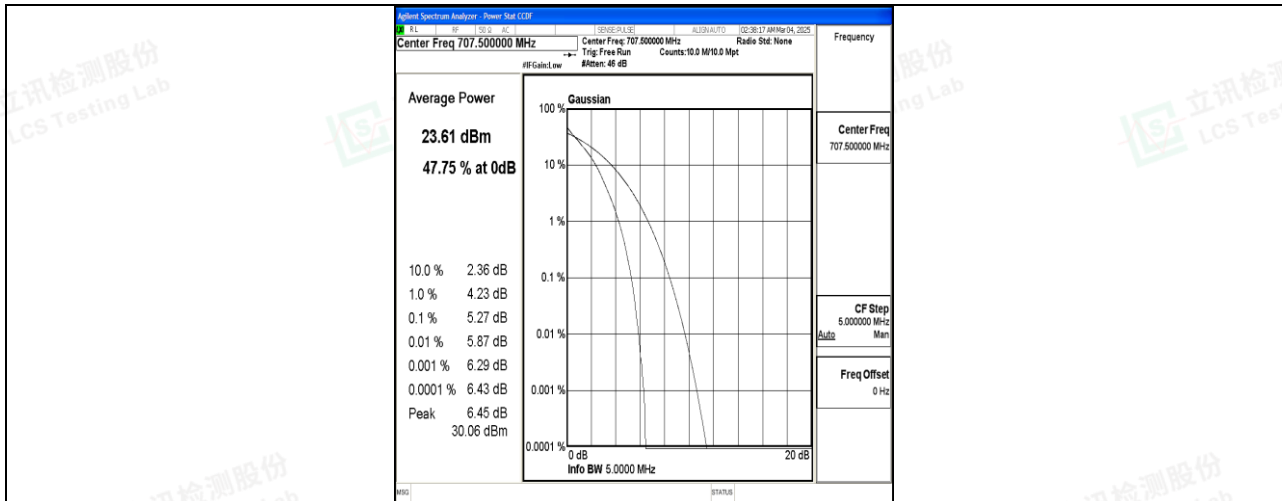


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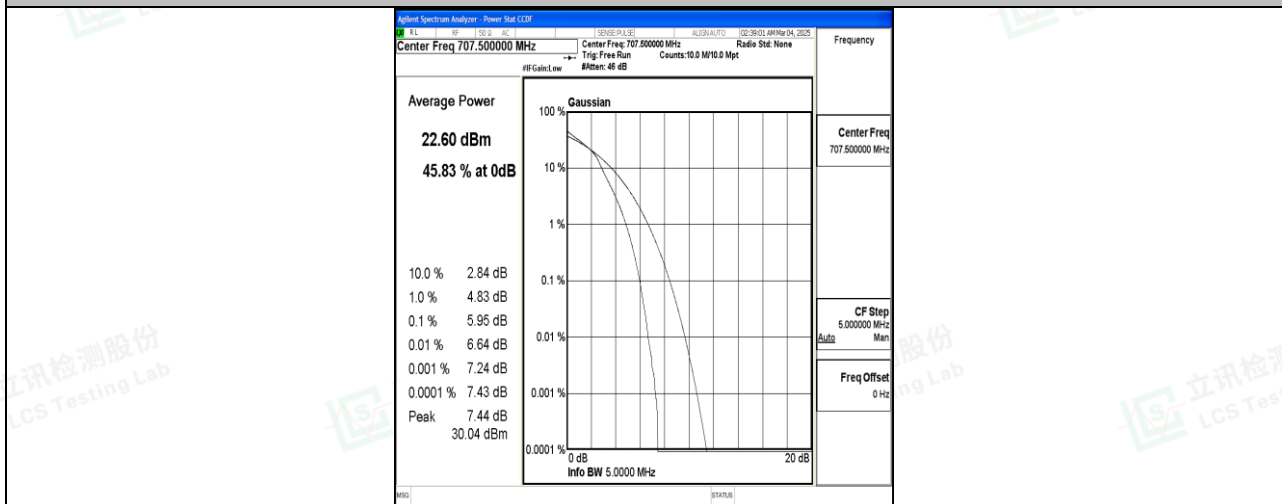
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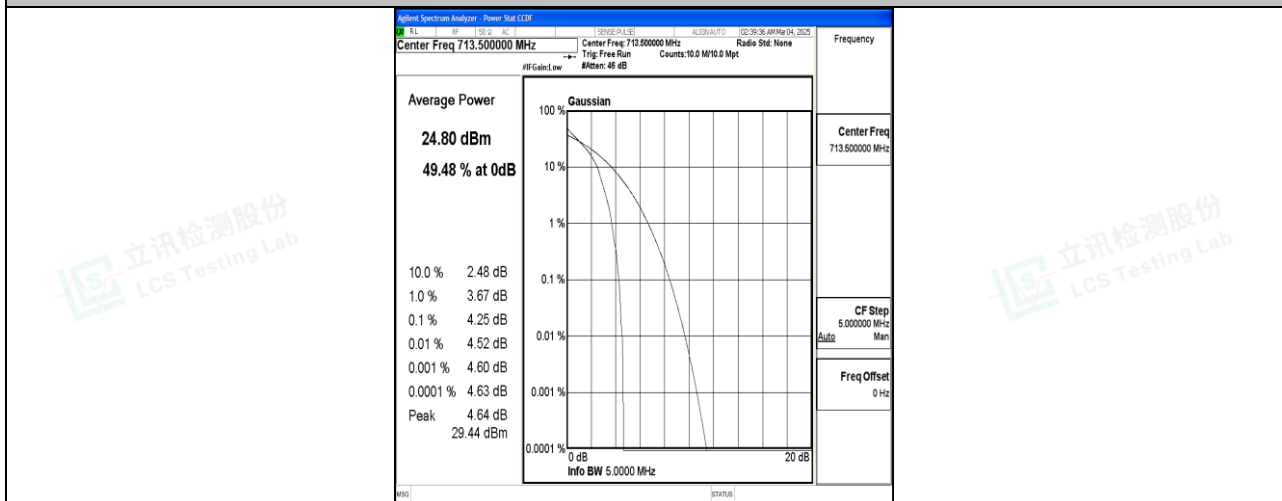
Scan code to check authenticity



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



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



Band12-5MHz-QPSK-23155-1RB#0-PASS

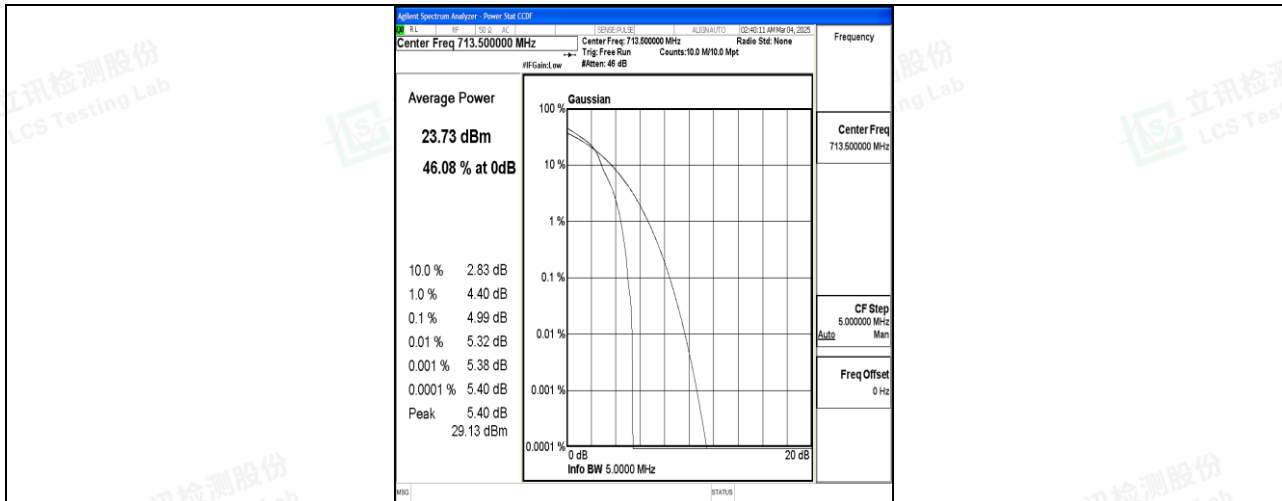


Shenzhen LCS Compliance Testing Laboratory Ltd.

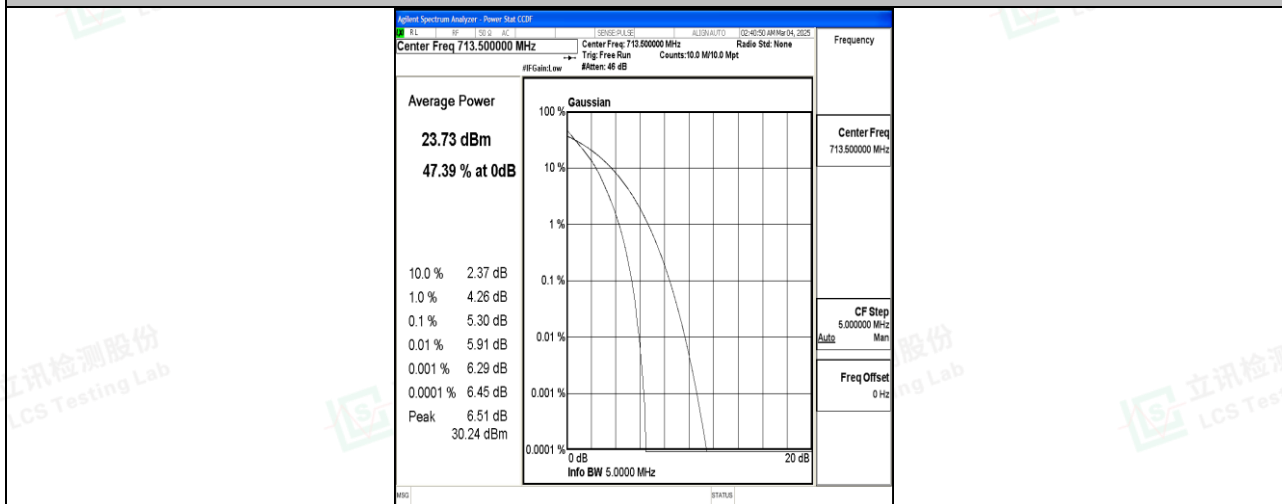
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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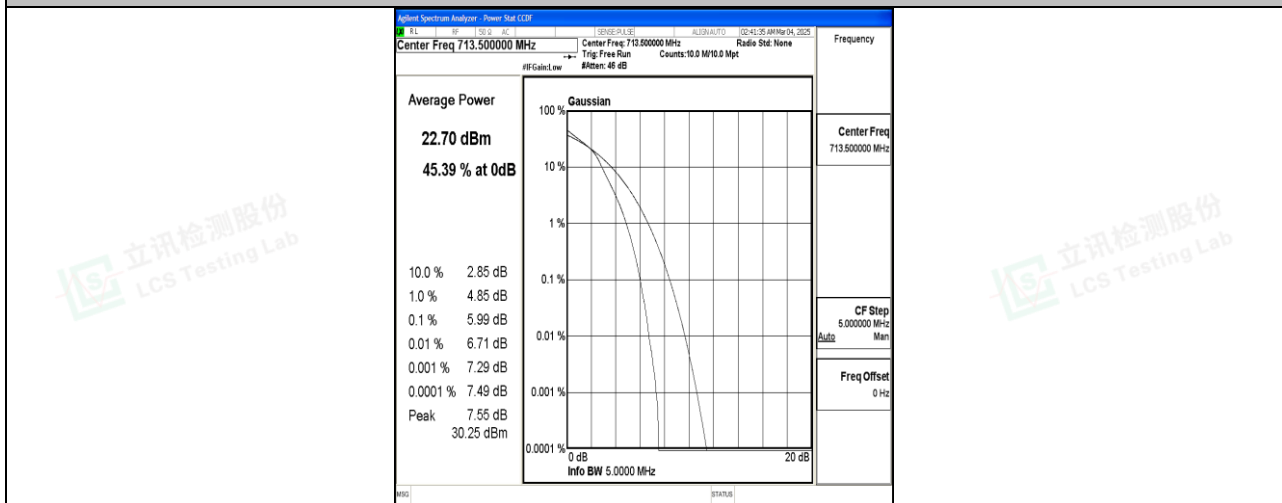
Scan code to check authenticity



Band12-5MHz-16QAM-23155-1RB#0-PASS



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



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

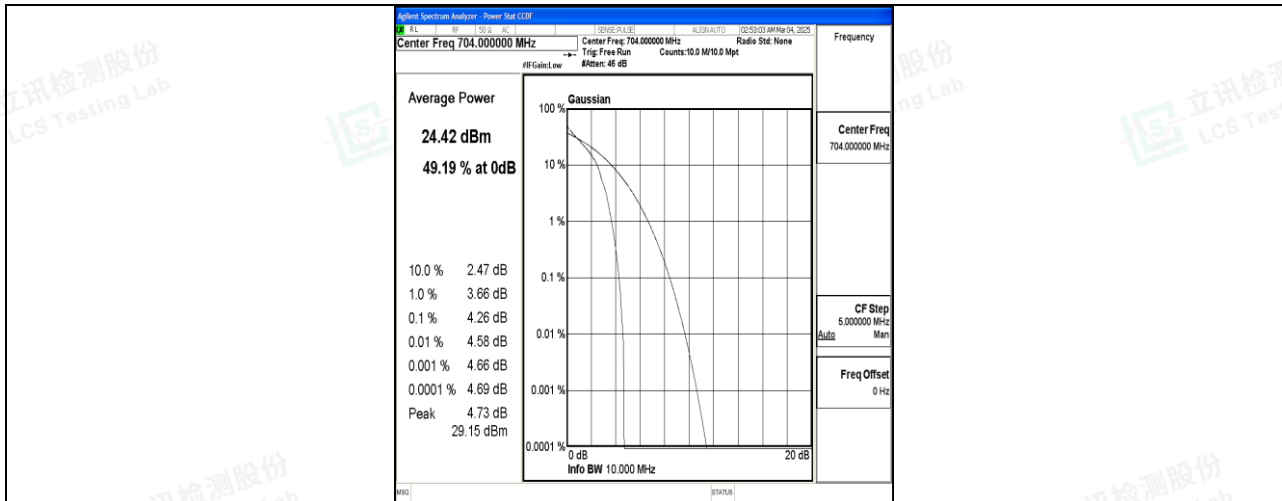


Shenzhen LCS Compliance Testing Laboratory Ltd.

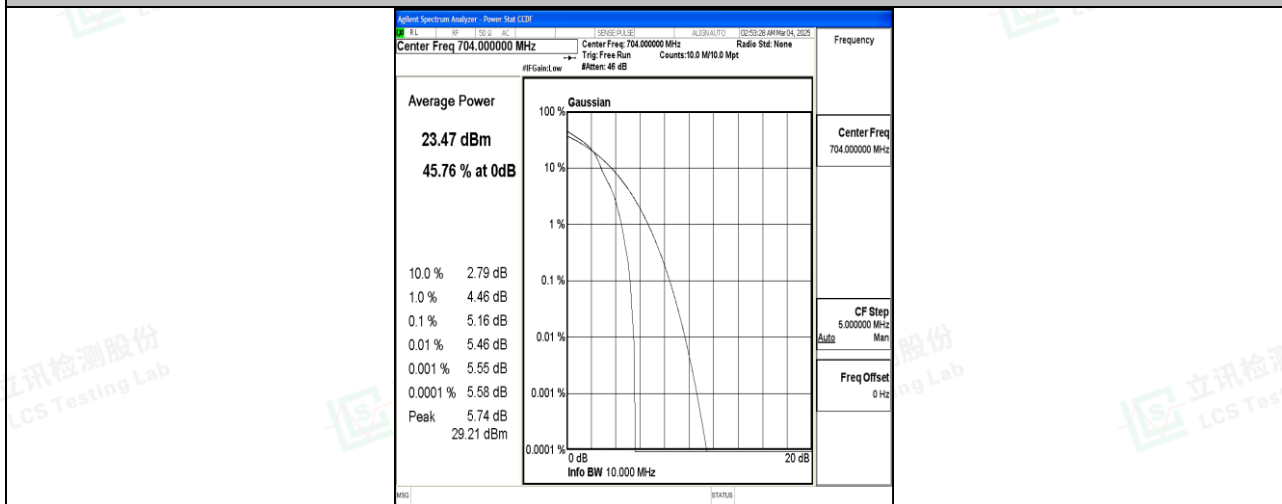
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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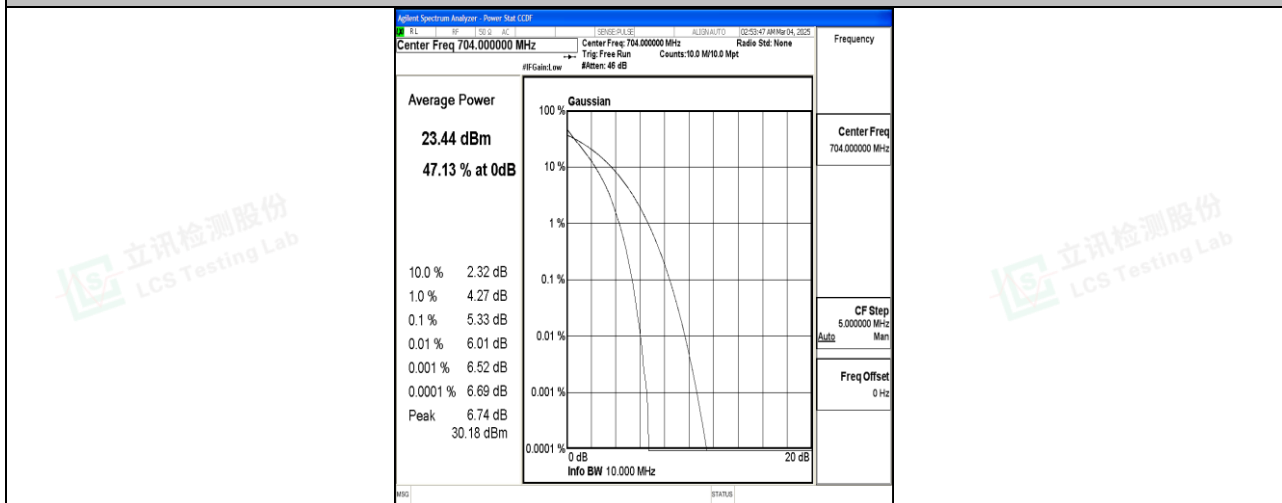
Scan code to check authenticity



Band12-10MHz-QPSK-23060-1RB#0-PASS



Band12-10MHz-16QAM-23060-1RB#0-PASS



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



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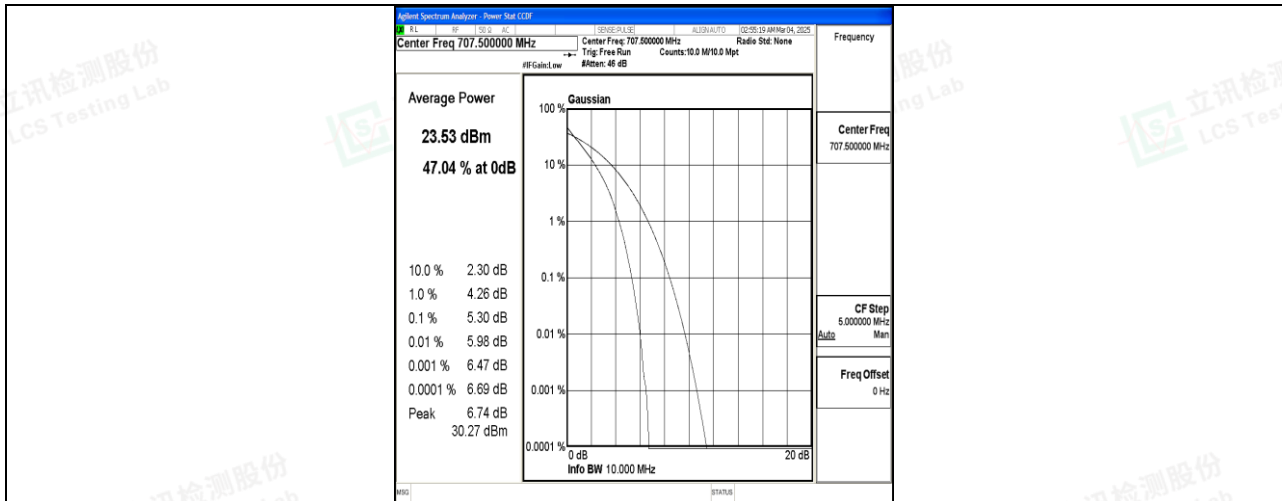


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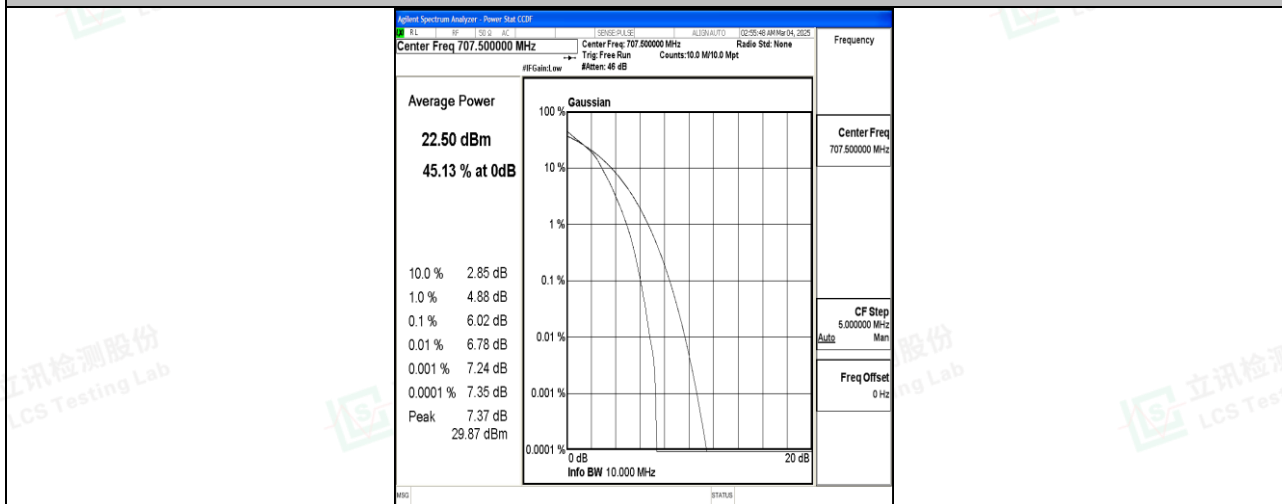
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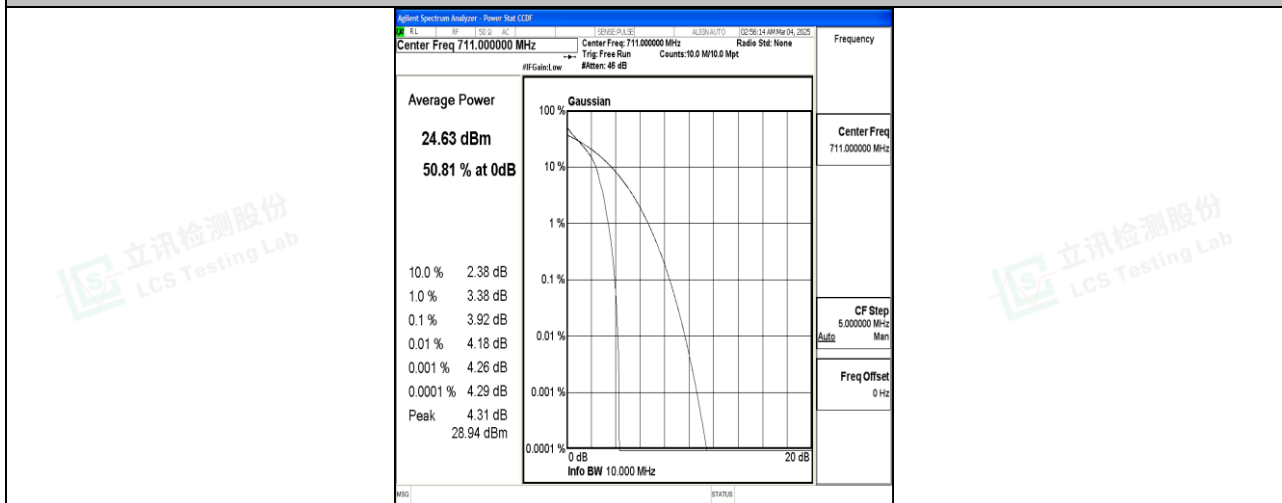
Scan code to check authenticity



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



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



Band12-10MHz-QPSK-23130-1RB#0-PASS

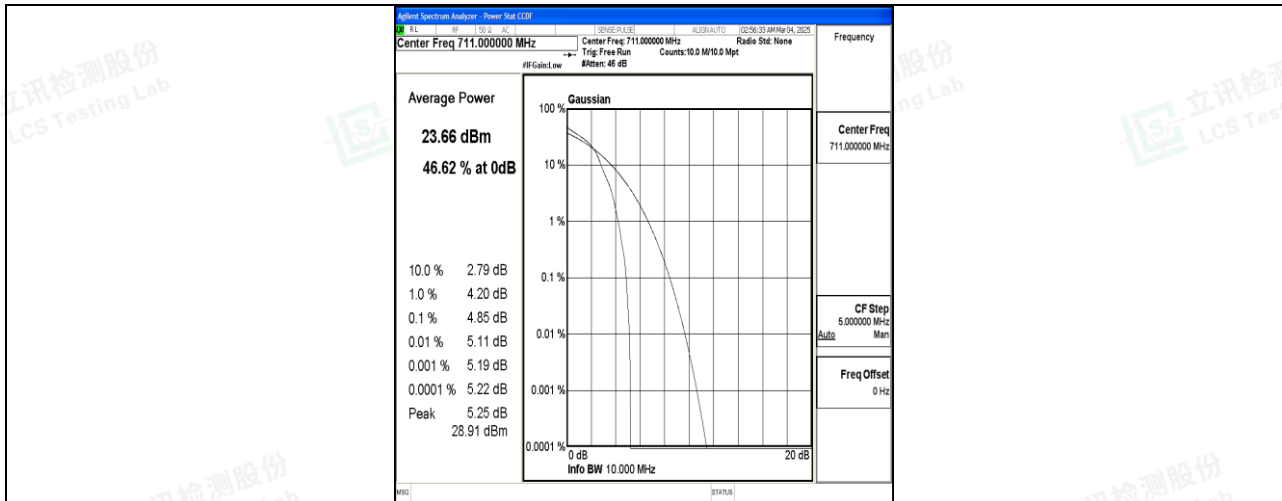


Shenzhen LCS Compliance Testing Laboratory Ltd.

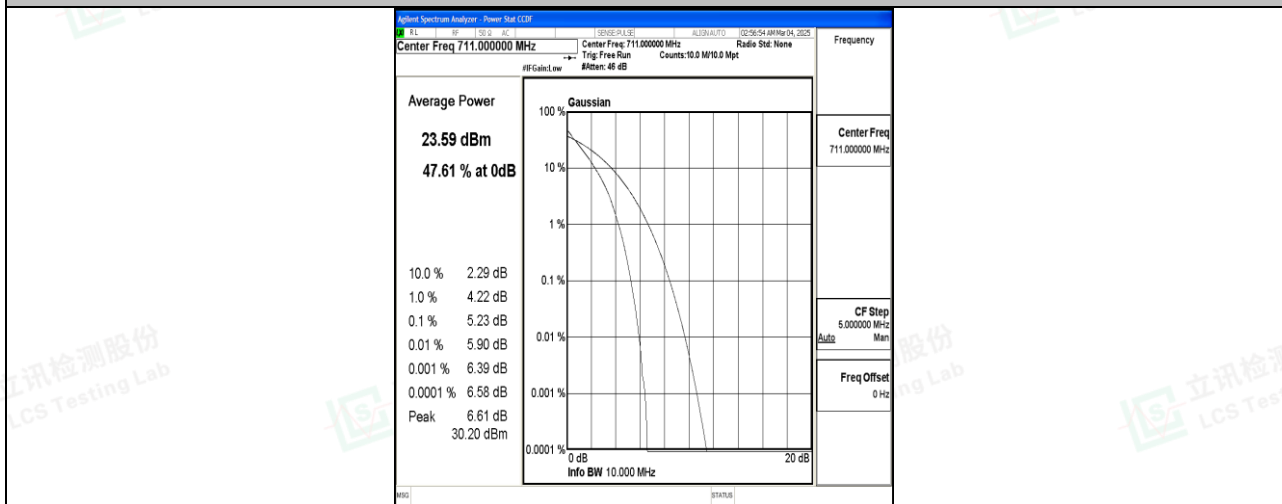
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

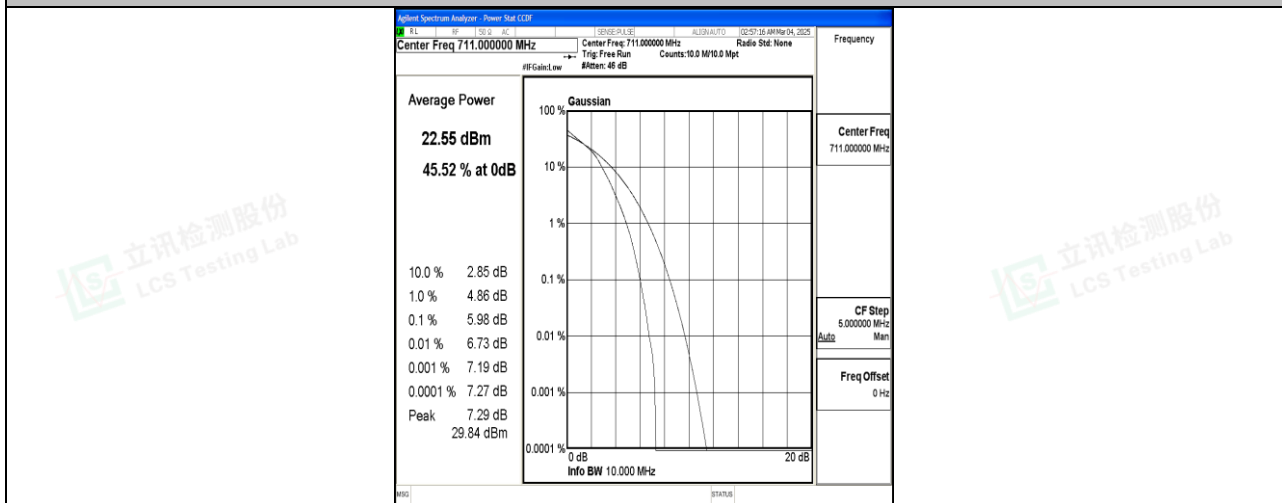
Scan code to check authenticity



Band12-10MHz-16QAM-23130-1RB#0-PASS



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



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



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L.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	1.0916	1.289	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	1.0975	1.293	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	1.0938	1.288	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	1.0966	1.301	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	1.0918	1.306	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	1.0977	1.303	PASS
Band12	3MHz	QPSK	23025	15RB#0	2.7302	3.026	PASS
Band12	3MHz	16QAM	23025	15RB#0	2.7204	2.990	PASS
Band12	3MHz	QPSK	23095	15RB#0	2.7291	3.031	PASS
Band12	3MHz	16QAM	23095	15RB#0	2.7182	2.997	PASS
Band12	3MHz	QPSK	23165	15RB#0	2.7295	3.032	PASS
Band12	3MHz	16QAM	23165	15RB#0	2.7160	2.992	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.4977	4.984	PASS
Band12	5MHz	16QAM	23035	25RB#0	4.4930	4.951	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.4949	5.507	PASS
Band12	5MHz	16QAM	23095	25RB#0	4.5014	4.931	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.4994	4.992	PASS
Band12	5MHz	16QAM	23155	25RB#0	4.4982	4.933	PASS
Band12	10MHz	QPSK	23060	50RB#0	8.9870	9.839	PASS
Band12	10MHz	16QAM	23060	50RB#0	8.9775	9.854	PASS
Band12	10MHz	QPSK	23095	50RB#0	8.9911	9.826	PASS
Band12	10MHz	16QAM	23095	50RB#0	8.9986	10.08	PASS
Band12	10MHz	QPSK	23130	50RB#0	8.9702	9.901	PASS
Band12	10MHz	16QAM	23130	50RB#0	8.9689	9.762	PASS





Test Graphs

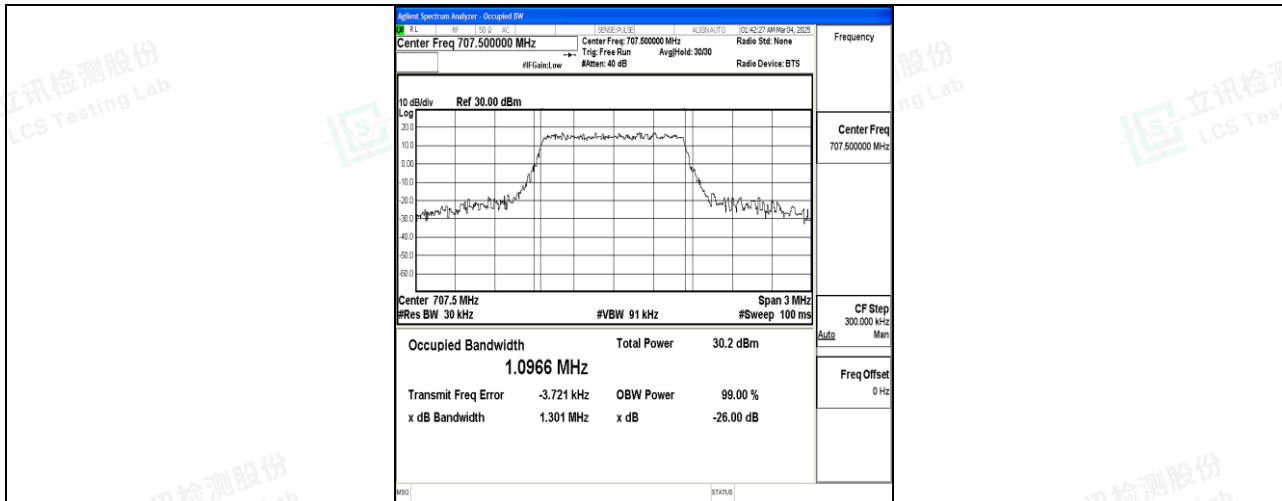


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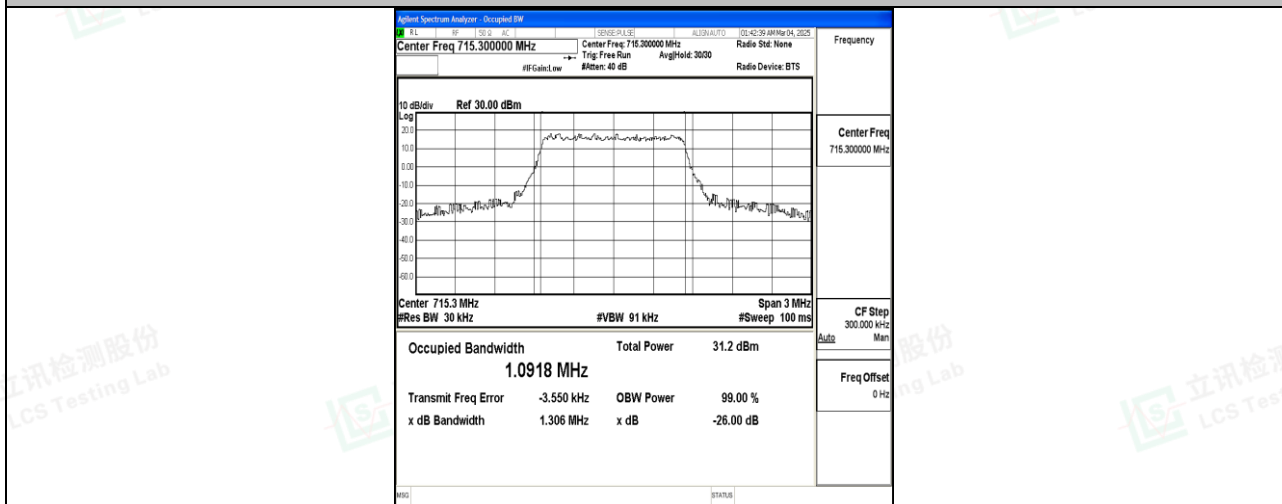
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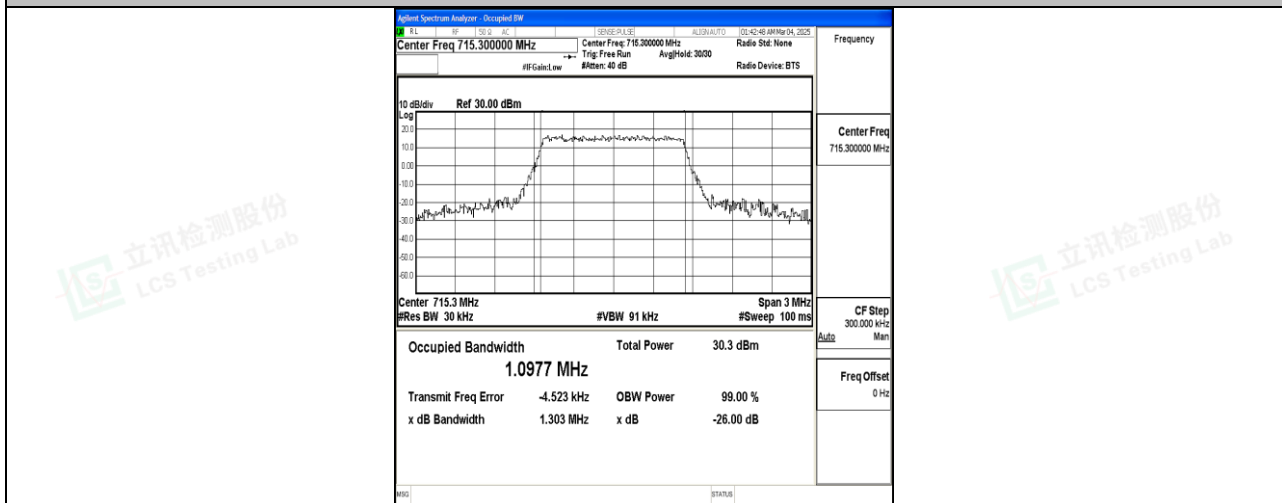
Scan code to check authenticity



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



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



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

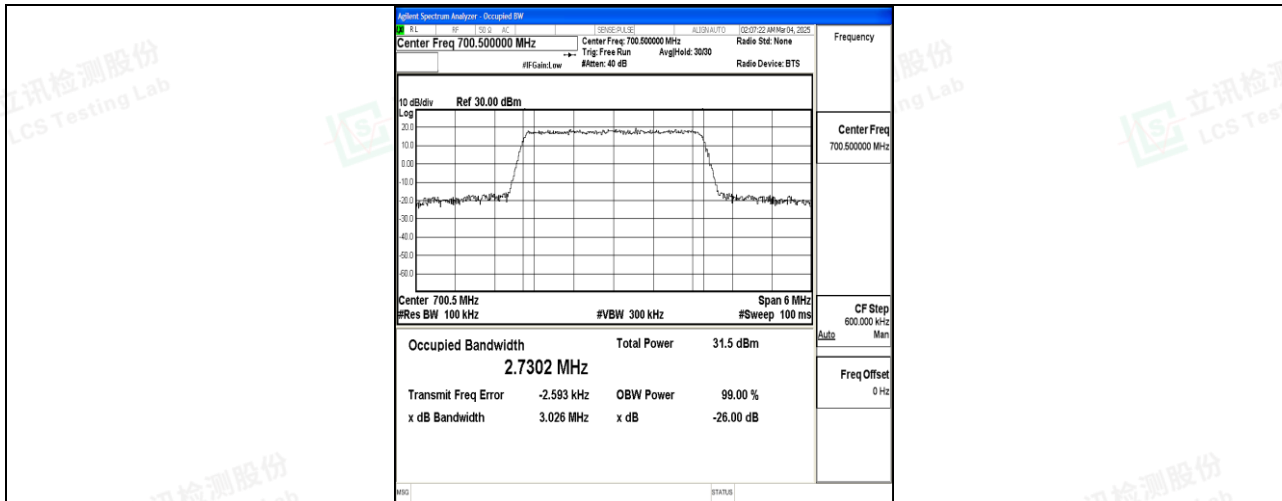


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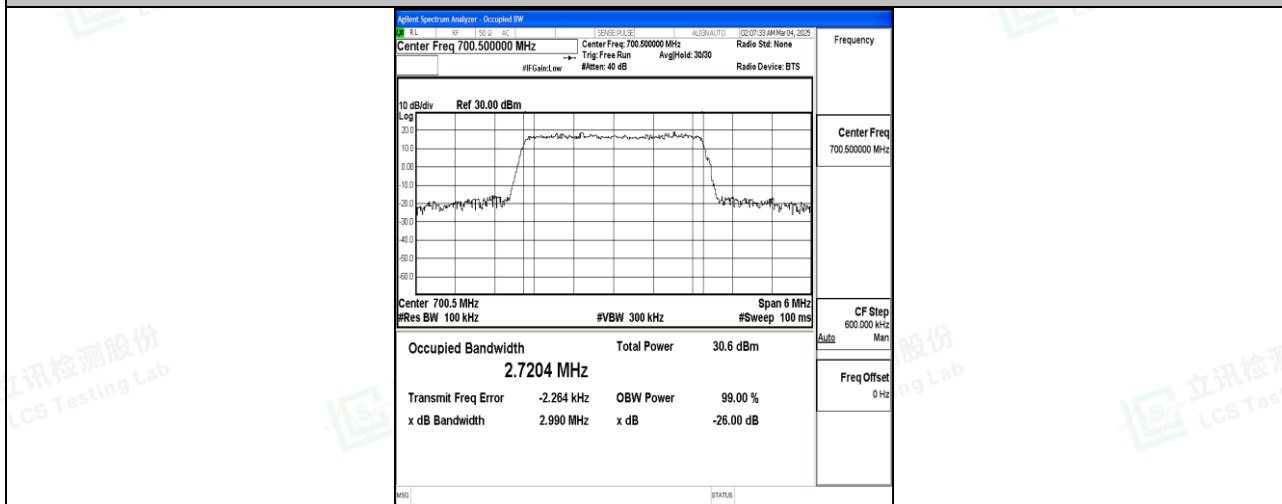
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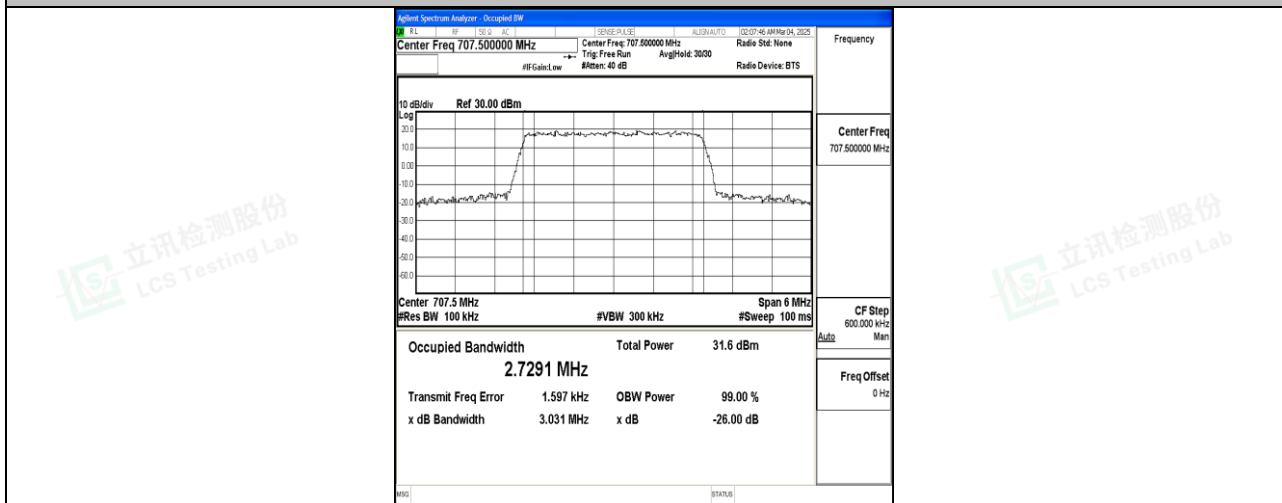
Scan code to check authenticity



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



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



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

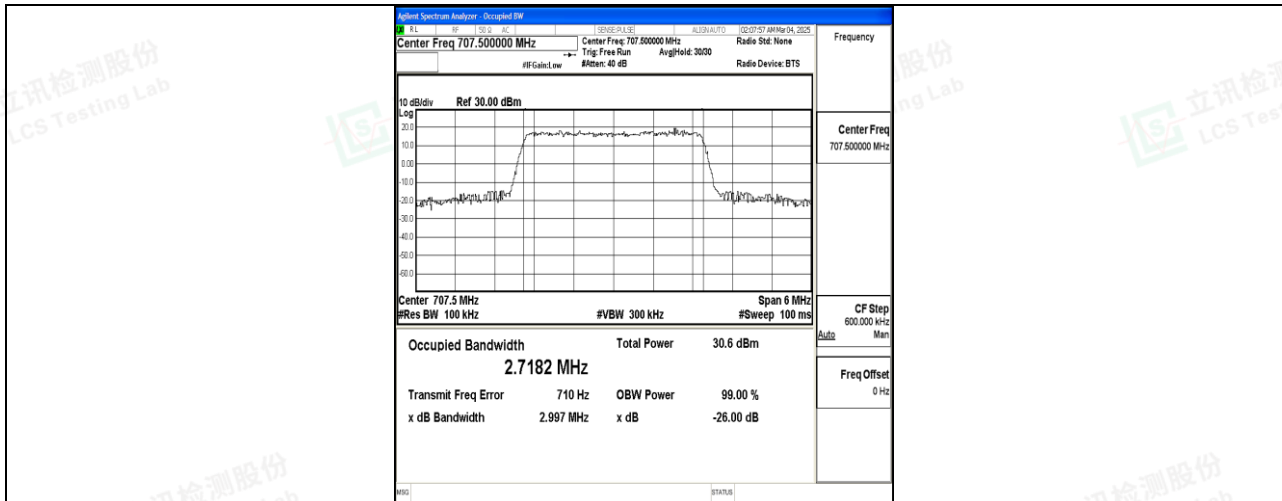


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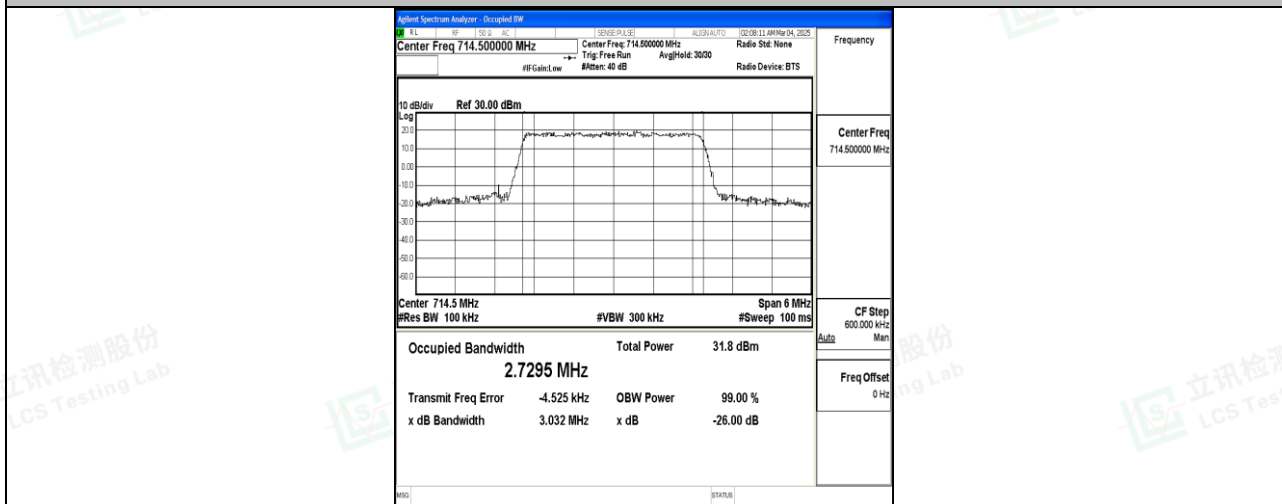
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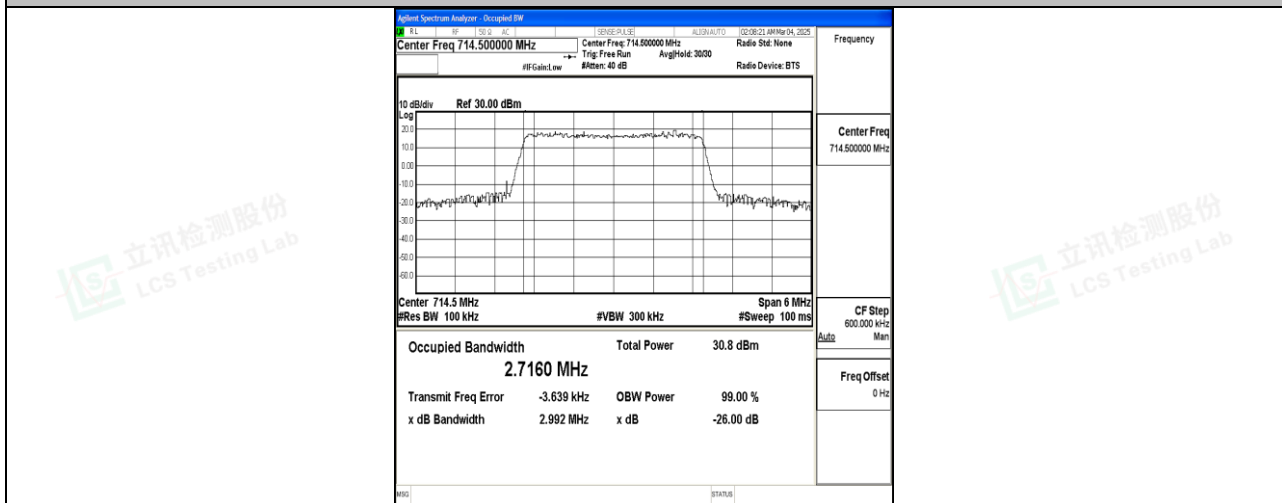
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Band12-3MHz-16QAM-23095-15RB#0-PASS



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



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

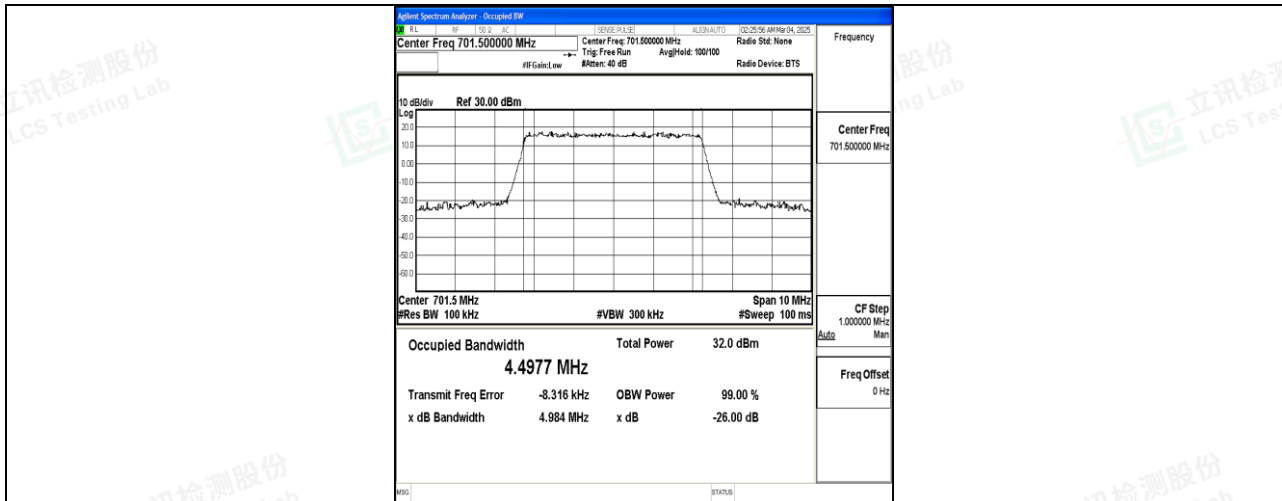


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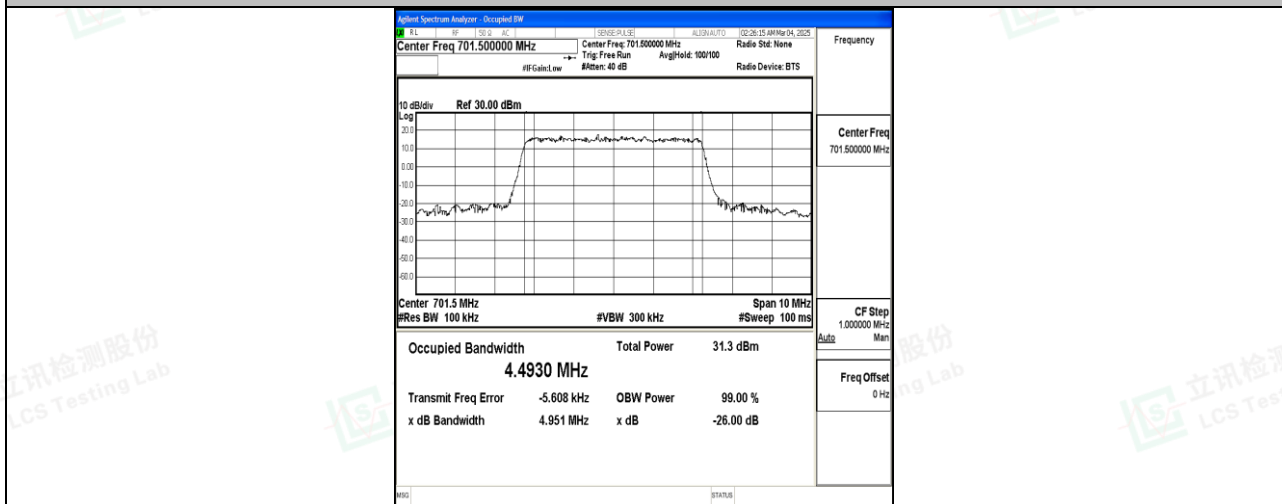
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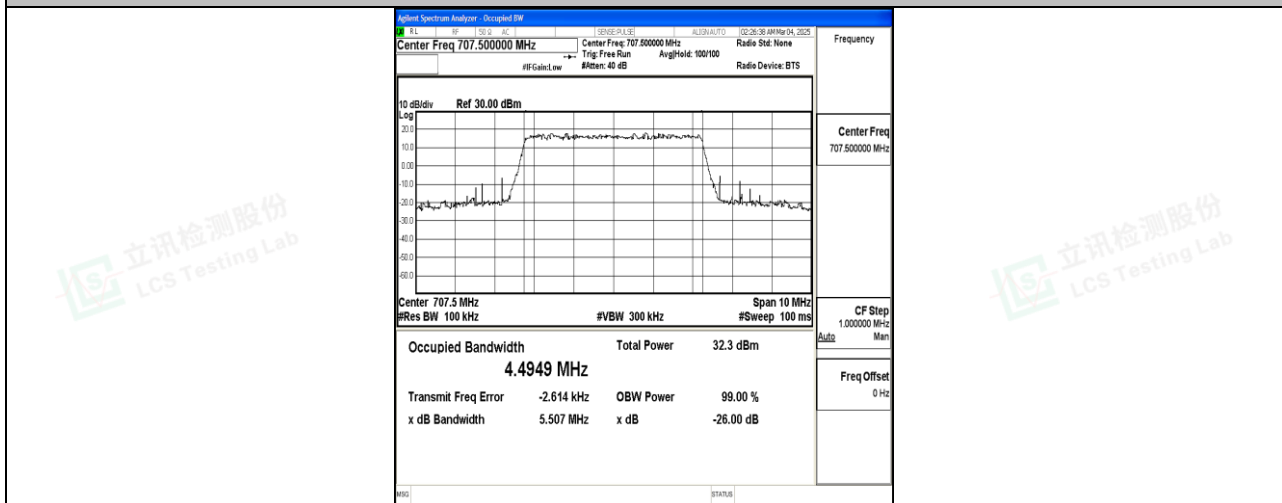
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Band12-5MHz-QPSK-23035-25RB#0-PASS



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



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

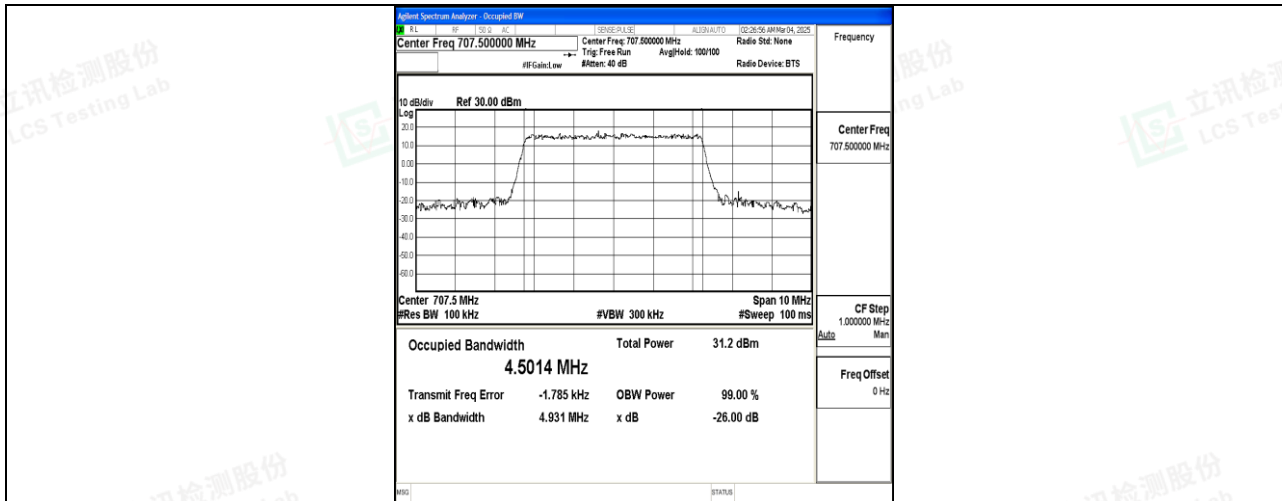


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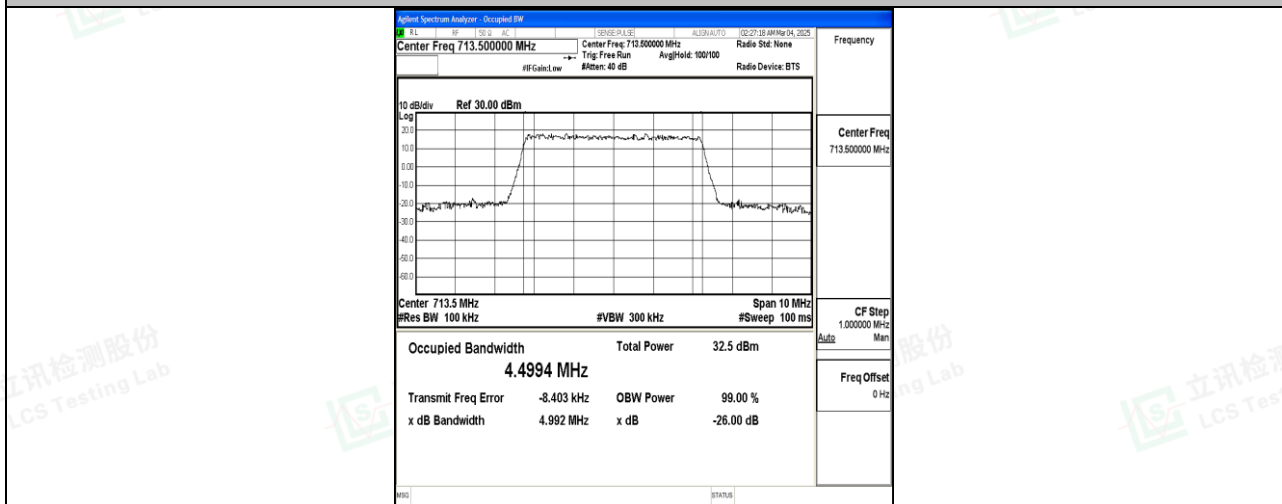
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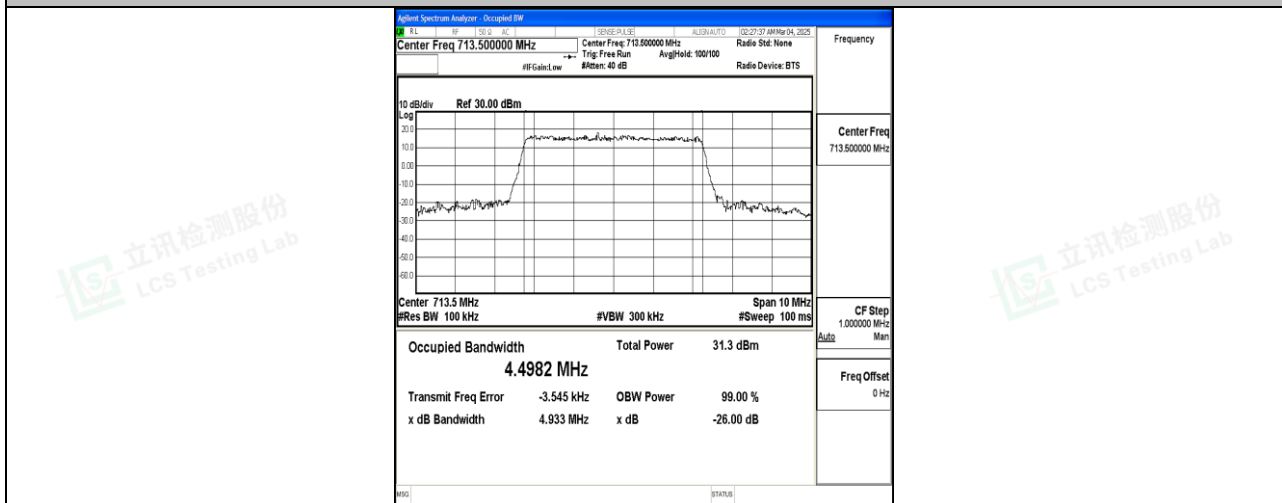
Scan code to check authenticity



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



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



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

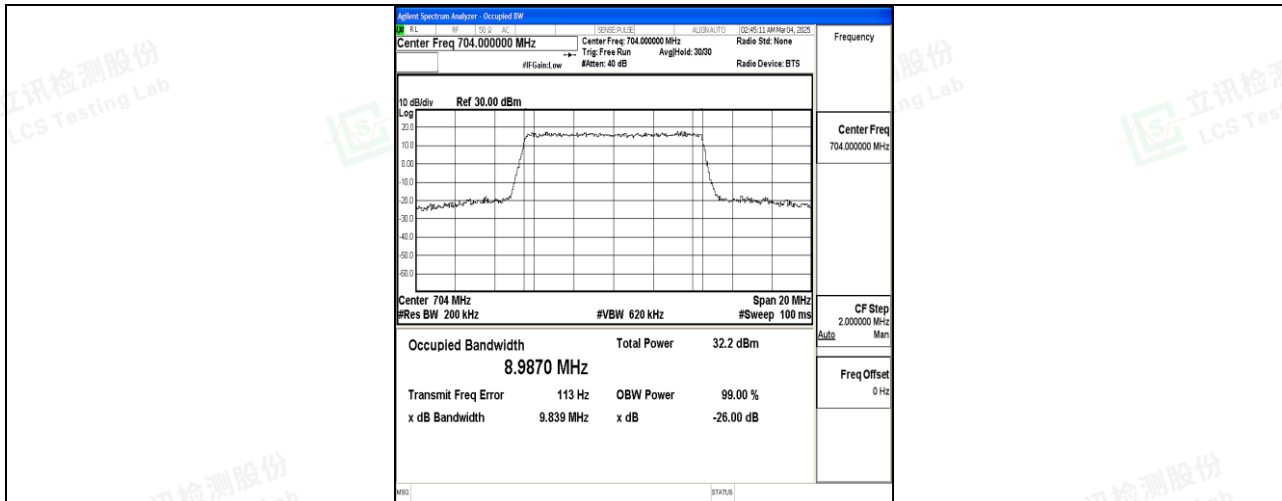


Shenzhen LCS Compliance Testing Laboratory Ltd.

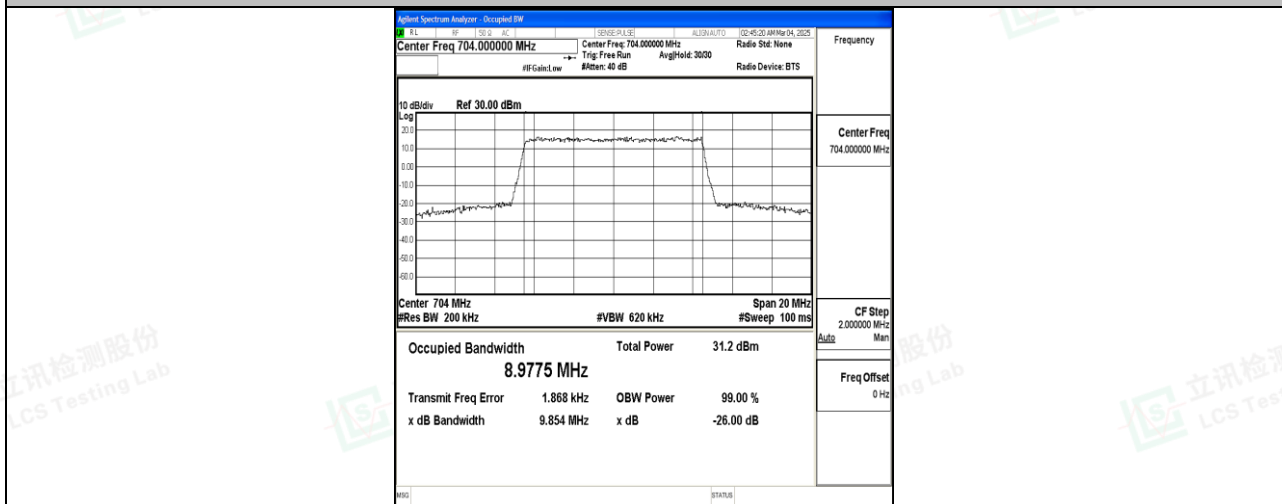
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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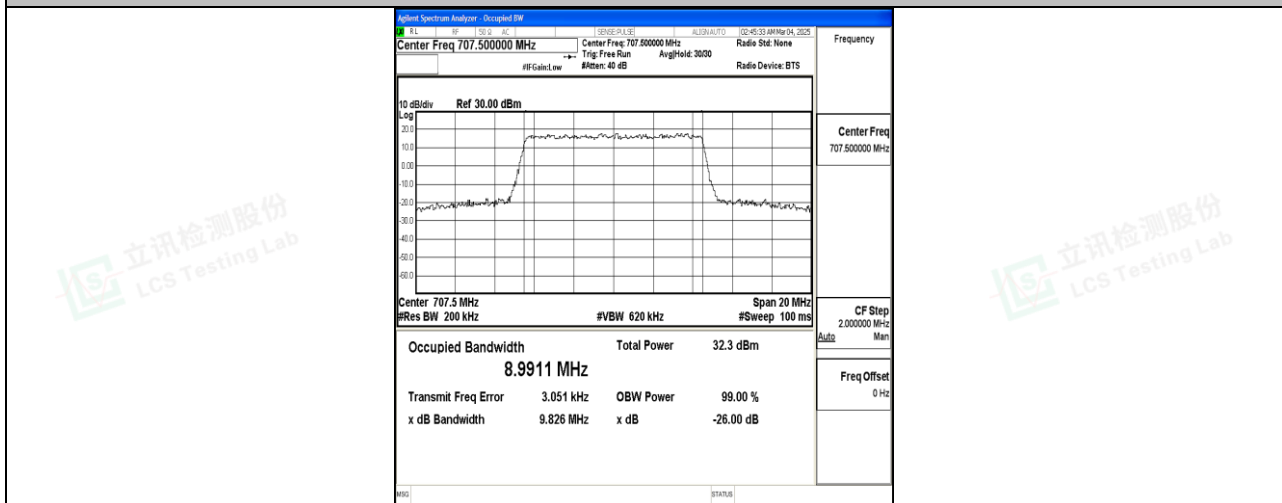
Scan code to check authenticity



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



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



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

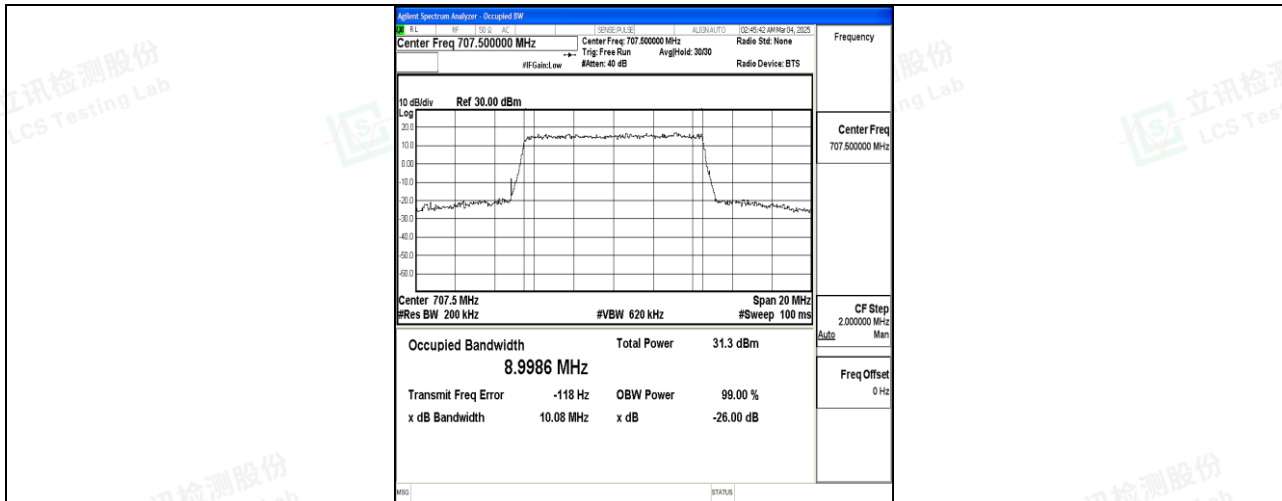


Shenzhen LCS Compliance Testing Laboratory Ltd.

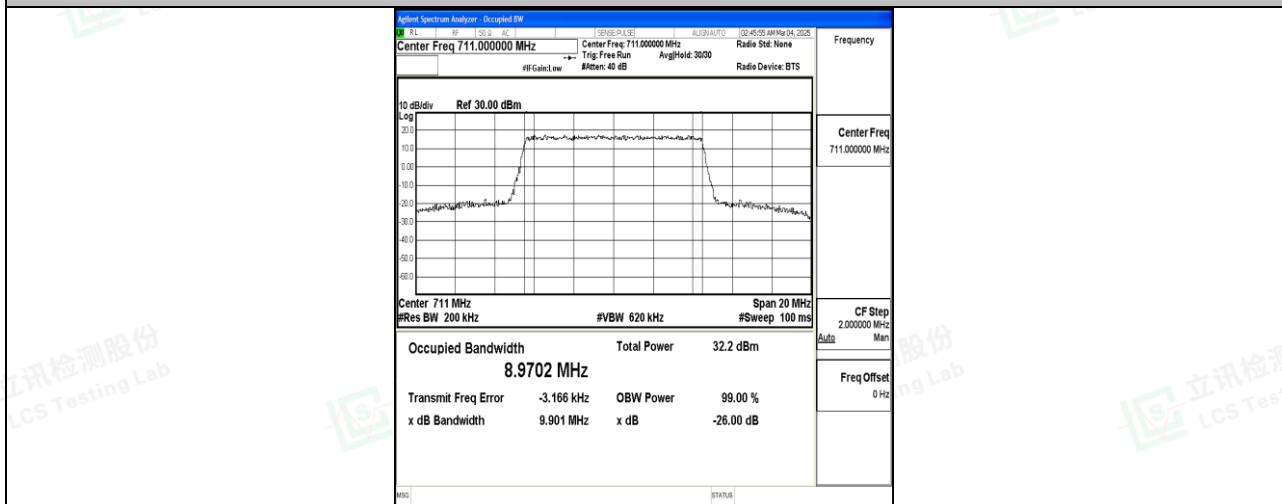
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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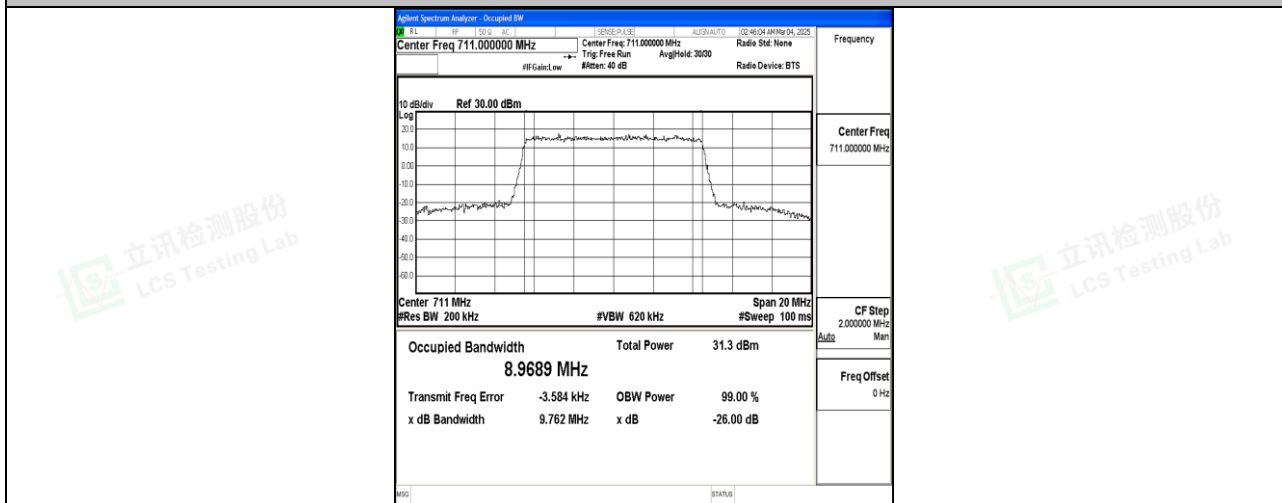
Scan code to check authenticity



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



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



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



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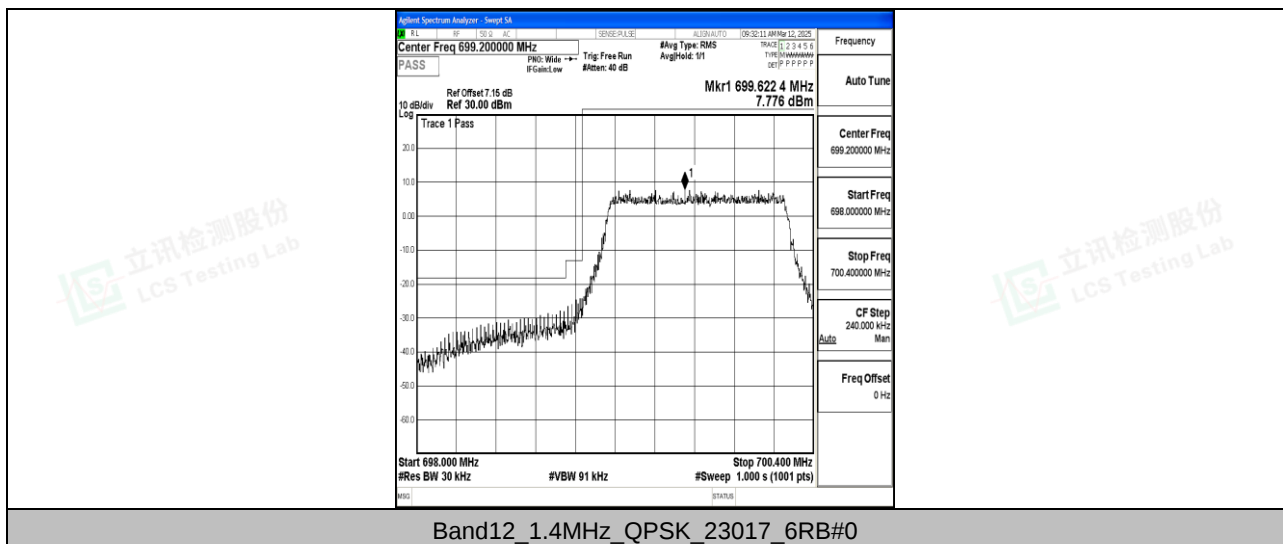


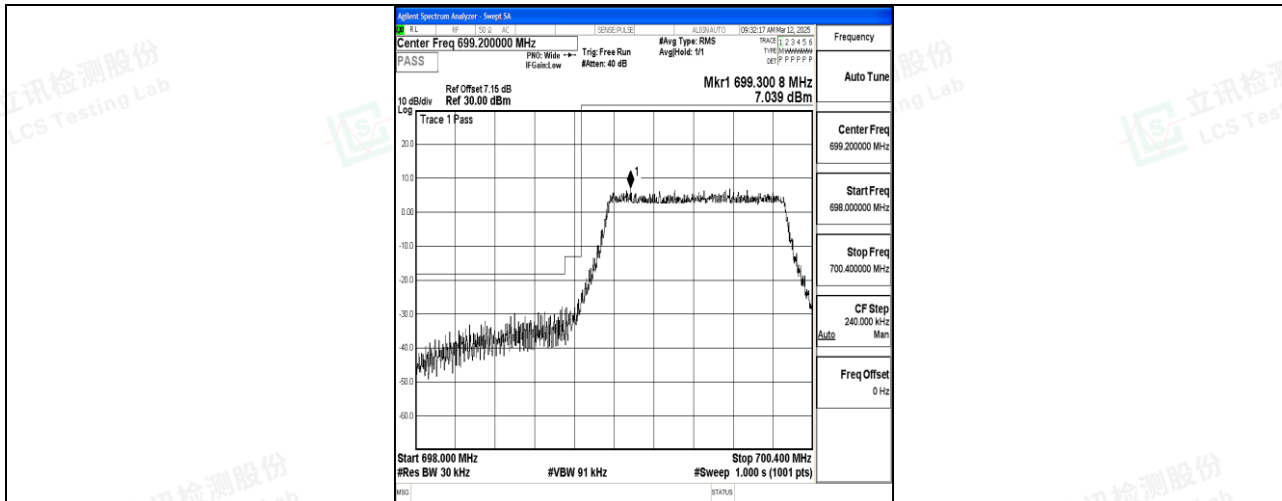
L.4 Band Edge

Test Result

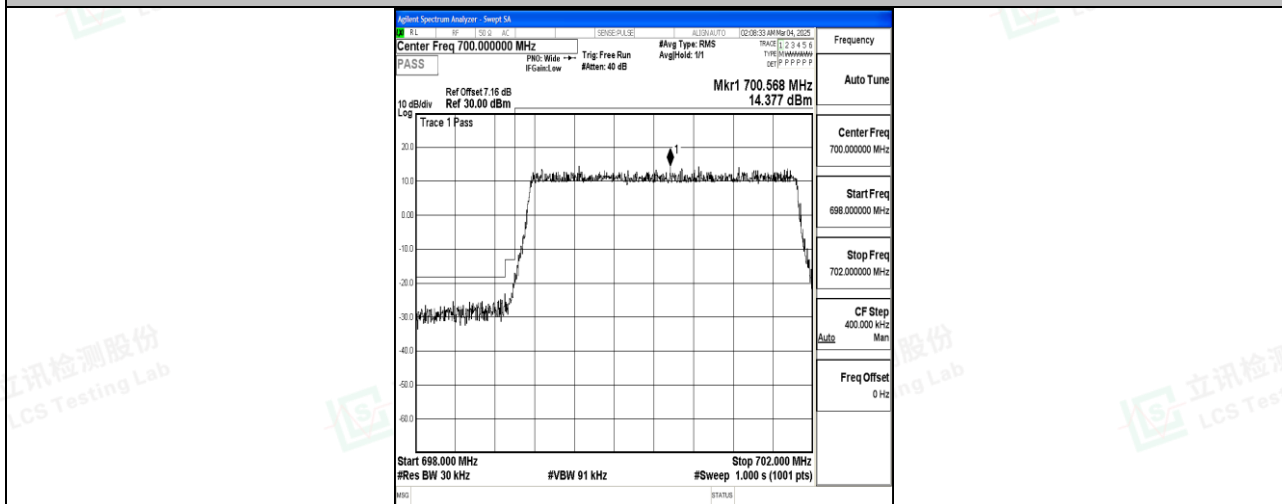
Band	Bandwidth	Modulation	Channel	RB Configuration	Peak Frequency	Result(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	698.87	-27.84	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	698.89	-27.95	PASS
Band12	3MHz	QPSK	23025	15RB#0	699.00	-17.14	PASS
Band12	3MHz	16QAM	23025	15RB#0	698.99	-19.63	PASS
Band12	3MHz	QPSK	23165	15RB#0	716.02	-17.20	PASS
Band12	3MHz	16QAM	23165	15RB#0	716.01	-17.17	PASS
Band12	5MHz	QPSK	23035	25RB#0	698.89	-25.54	PASS
Band12	5MHz	16QAM	23035	25RB#0	699.00	-21.29	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	716.12	-26.64	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	716.18	-27.54	PASS
Band12	5MHz	QPSK	23155	25RB#0	716.00	-19.90	PASS
Band12	5MHz	16QAM	23155	25RB#0	716.23	-26.04	PASS
Band12	10MHz	QPSK	23060	50RB#0	698.81	-28.42	PASS
Band12	10MHz	16QAM	23060	50RB#0	698.80	-31.23	PASS
Band12	10MHz	QPSK	23130	50RB#0	716.14	-28.33	PASS
Band12	10MHz	16QAM	23130	50RB#0	716.42	-31.63	PASS

Test Graphs

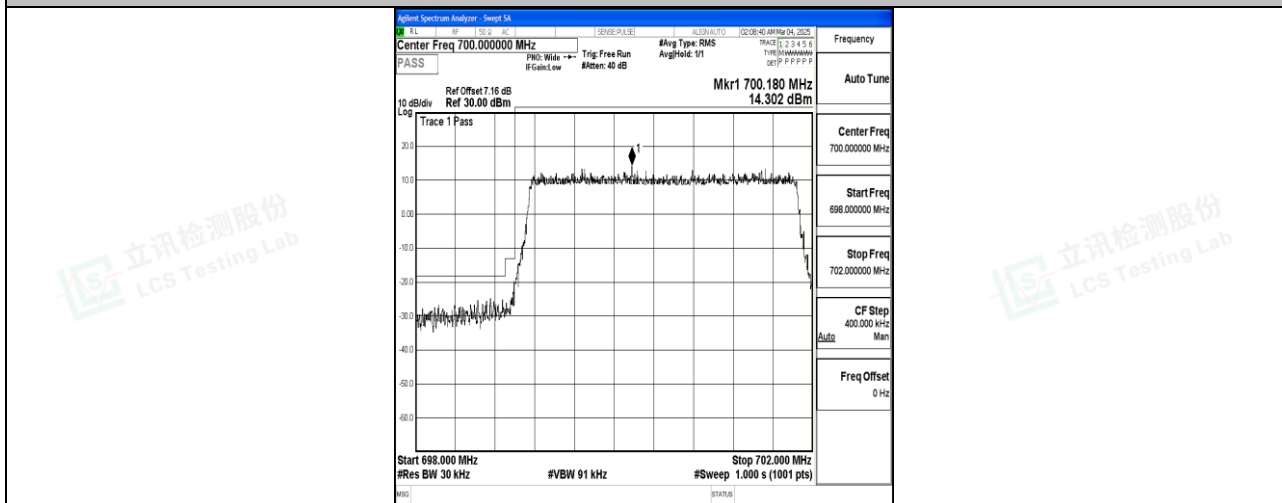




Band12_1.4MHz_16QAM_23017_6RB#0



Band12_3MHz_QPSK_23025_15RB#0



Band12_3MHz_16QAM_23025_15RB#0

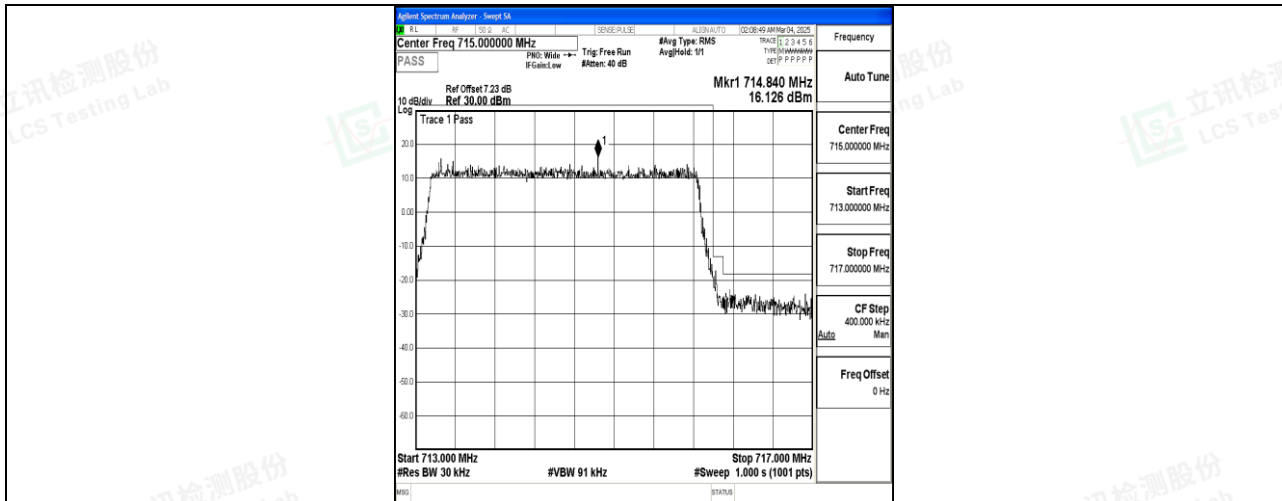


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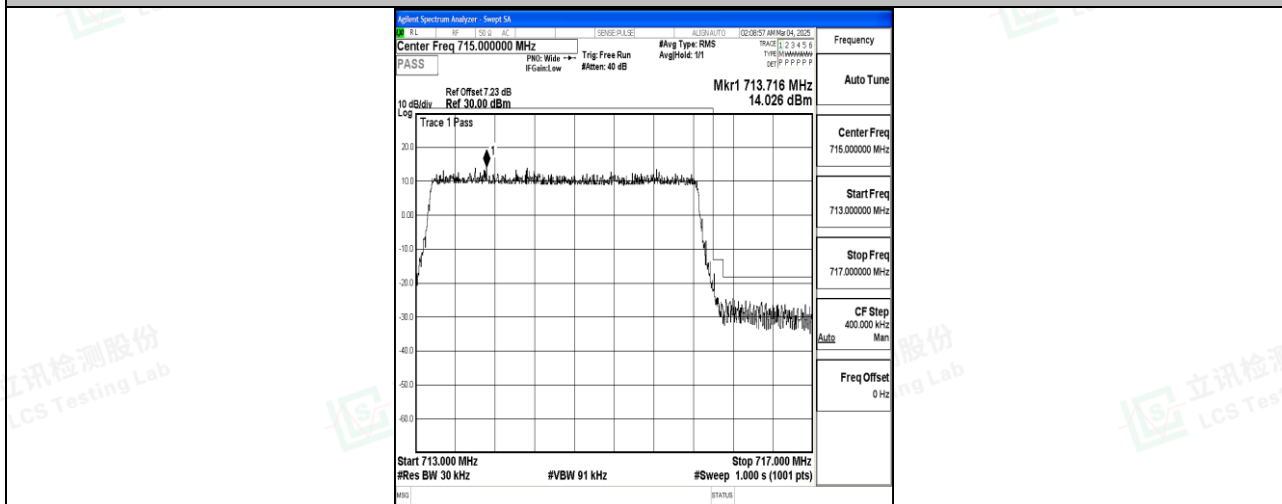
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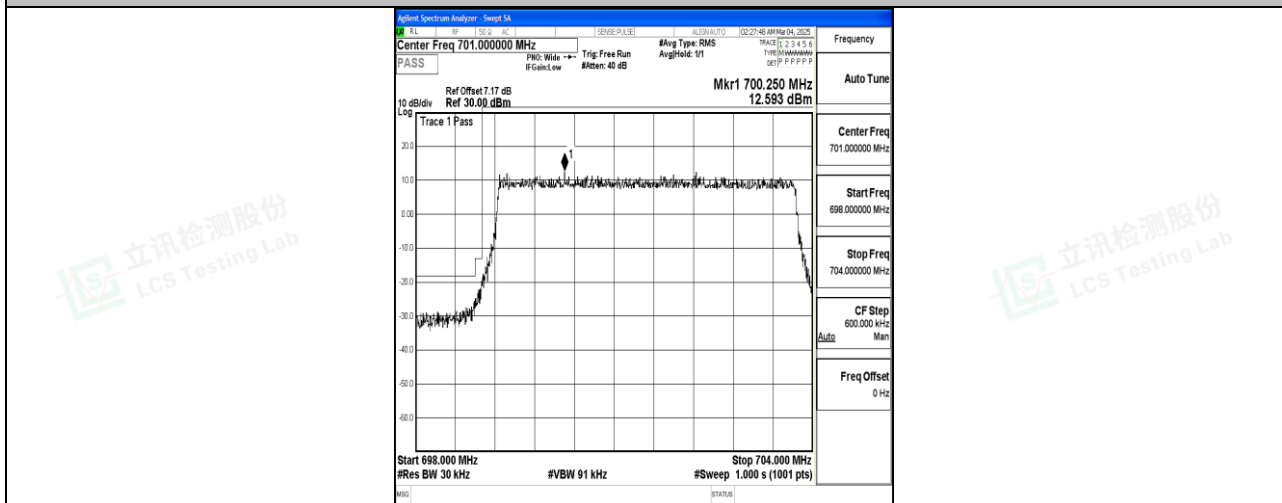
Scan code to check authenticity



Band12_3MHz_QPSK_23165_15RB#0



Band12_3MHz_16QAM_23165_15RB#0



Band12_5MHz_QPSK_23035_25RB#0

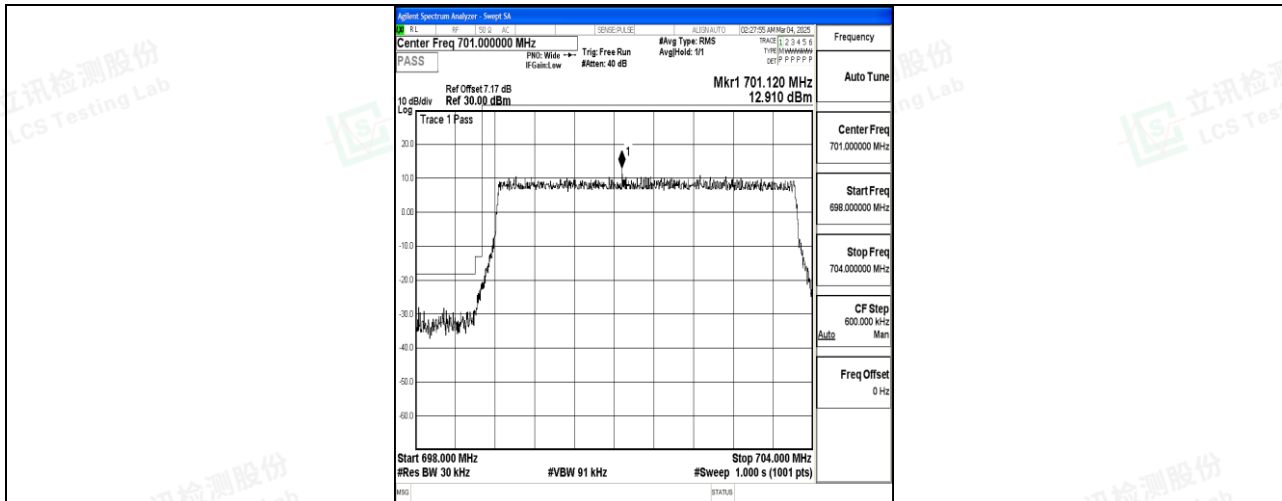


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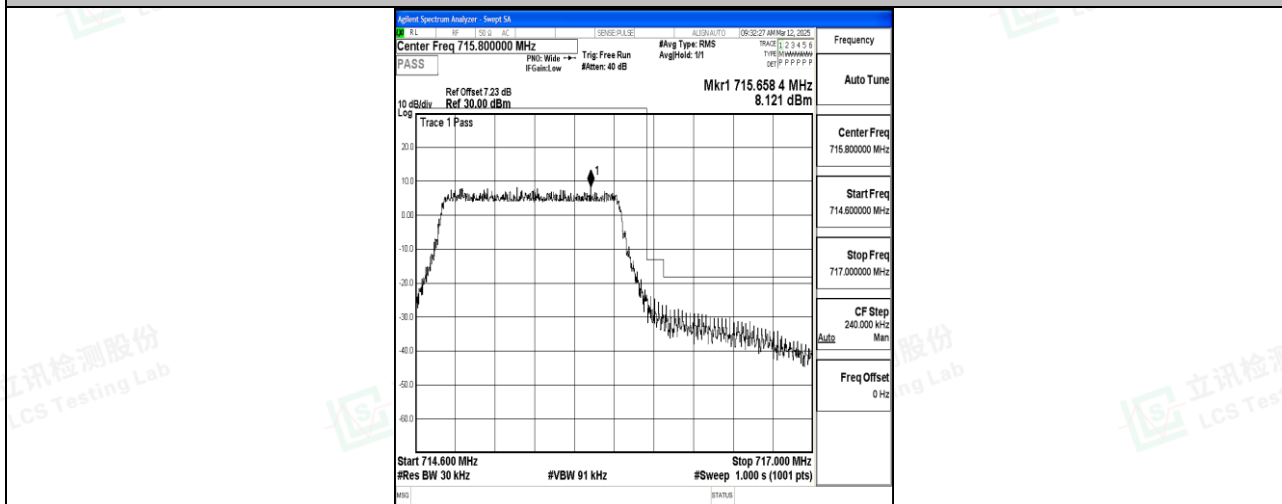
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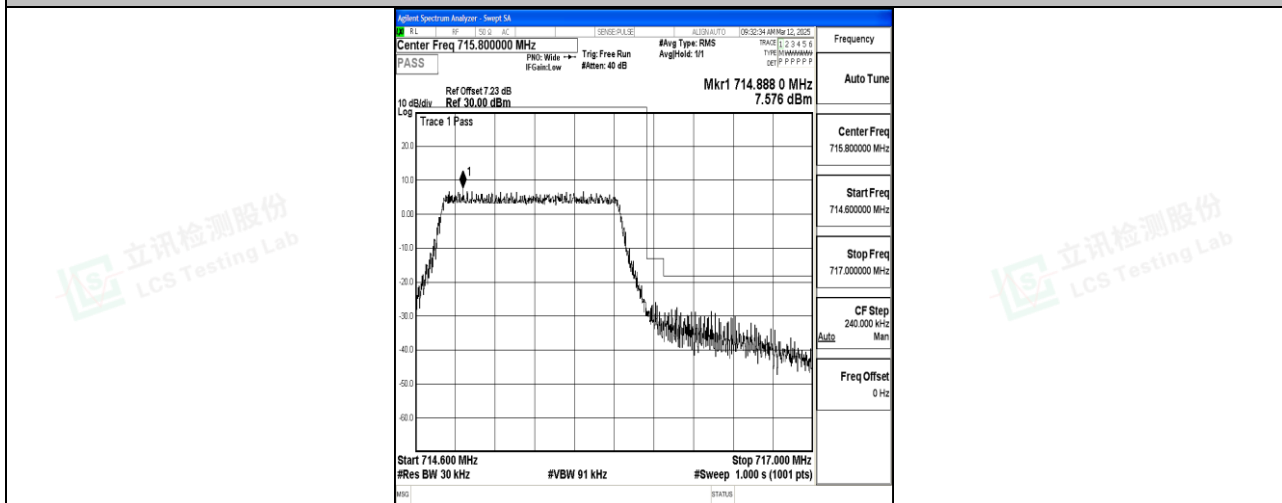
Scan code to check authenticity



Band12_5MHz_16QAM_23035_25RB#0



Band12_1.4MHz_QPSK_23173_6RB#0



Band12_1.4MHz_16QAM_23173_6RB#0

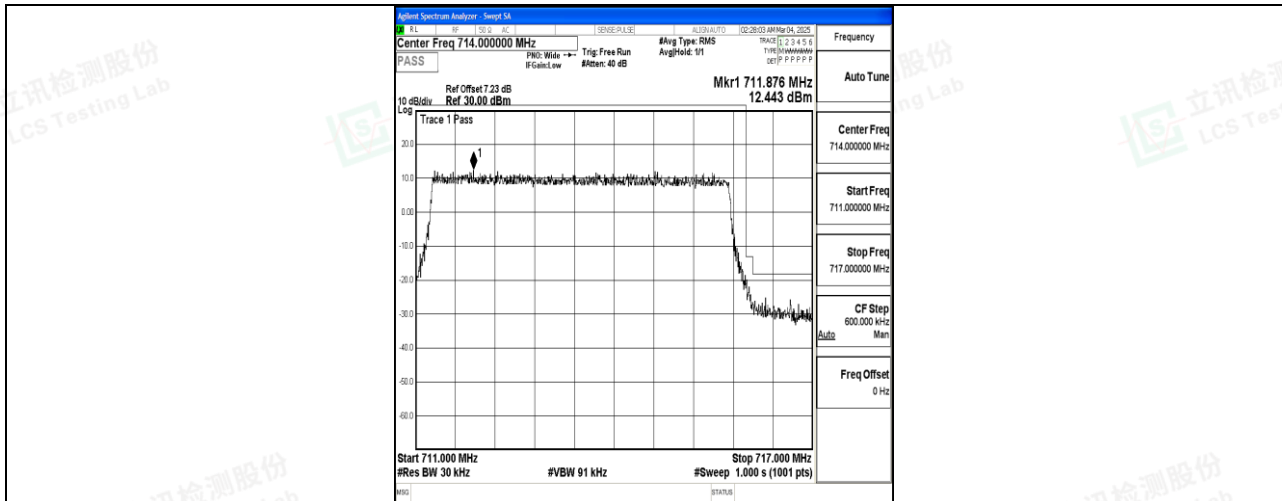


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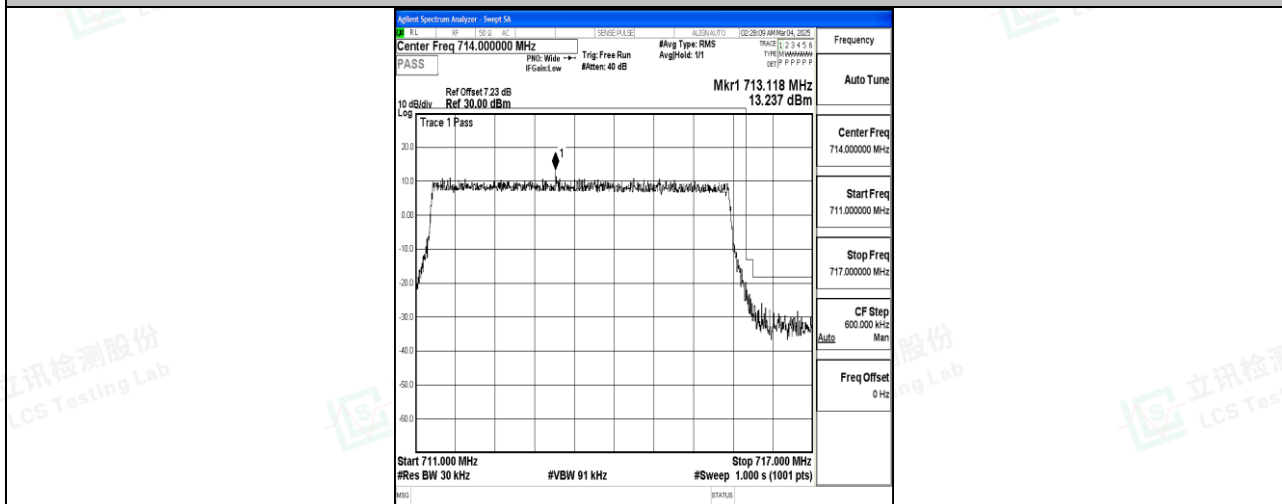
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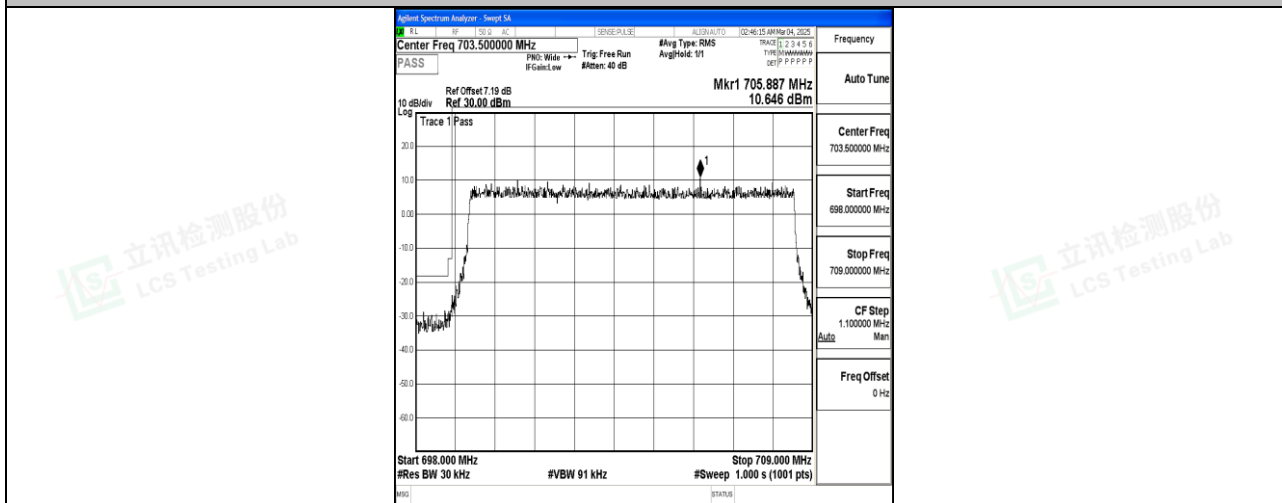
Scan code to check authenticity



Band12_5MHz_QPSK_23155_25RB#0



Band12_5MHz_16QAM_23155_25RB#0



Band12_10MHz_QPSK_23060_50RB#0

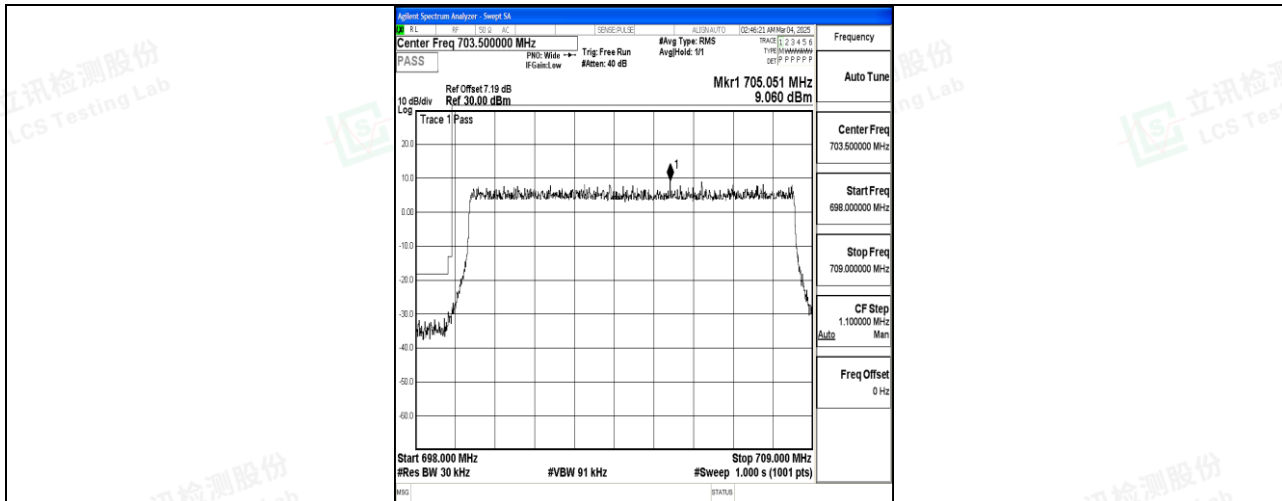


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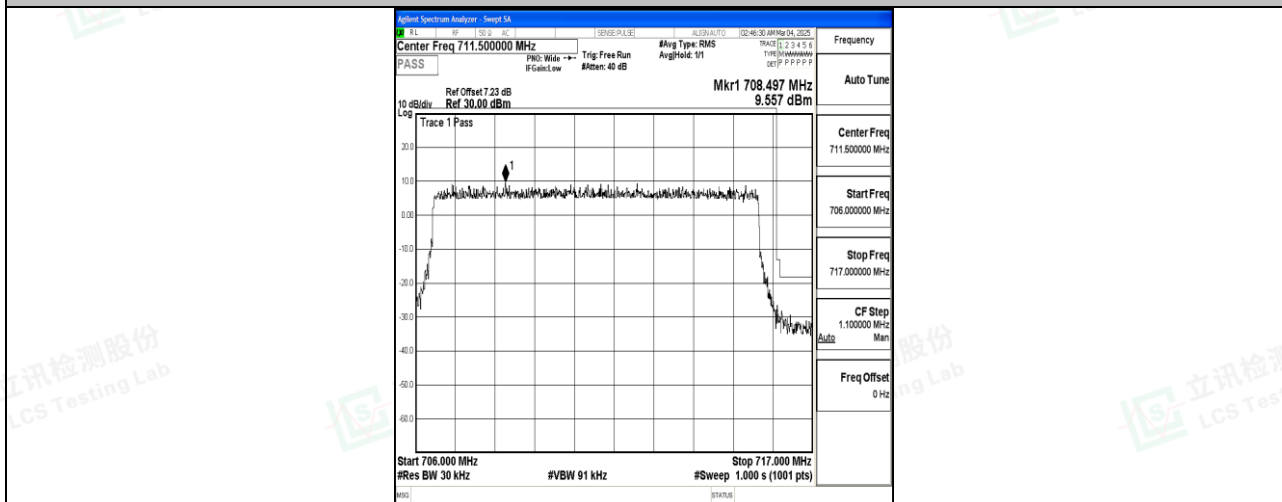
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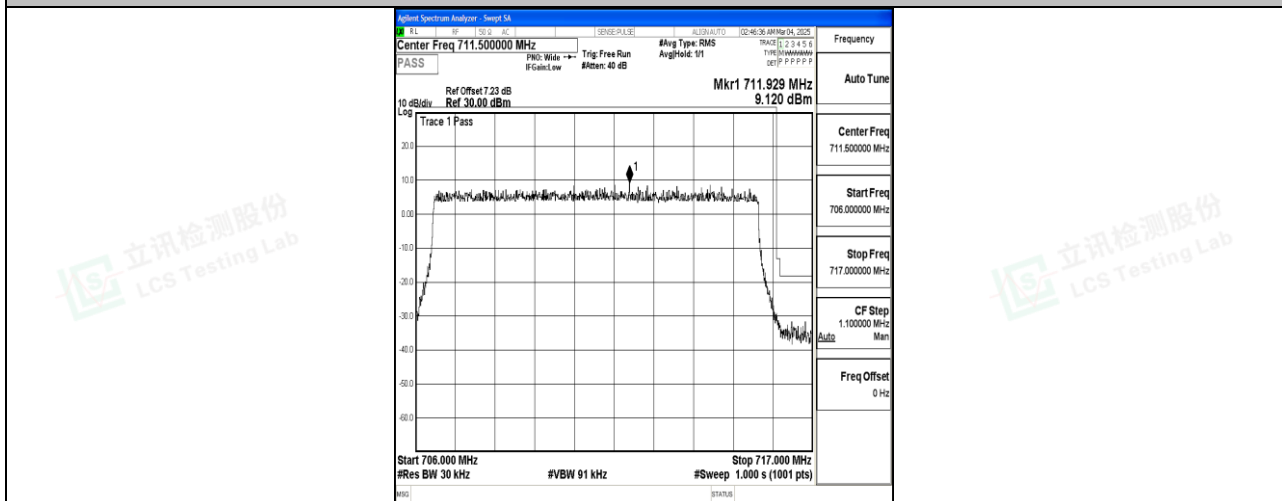
Scan code to check authenticity



Band12_10MHz_16QAM_23060_50RB#0



Band12_10MHz_QPSK_23130_50RB#0



Band12_10MHz_16QAM_23130_50RB#0



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L.5 Conducted Spurious Emission

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	0.009~0.15	-57.09	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	0.15~30	-44.90	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	30~1000	-48.45	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	1000~3000	-36.49	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	3000~10000	-35.12	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	0.009~0.15	-55.88	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	0.15~30	-44.90	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	30~1000	-49.48	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	1000~3000	-36.09	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	3000~10000	-35.69	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	0.009~0.15	-56.99	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	0.15~30	-44.48	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	30~1000	-48.67	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	1000~3000	-35.72	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	3000~10000	-35.38	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	0.009~0.15	-57.07	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	0.15~30	-45.24	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	30~1000	-48.41	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	1000~3000	-34.91	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	3000~10000	-35.29	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	0.009~0.15	-58.95	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	0.15~30	-47.55	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	30~1000	-49.65	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	1000~3000	-35.03	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	3000~10000	-34.91	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	0.009~0.15	-58.06	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	0.15~30	-45.59	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	30~1000	-48.98	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	1000~3000	-35.52	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	3000~10000	-35.41	PASS
Band12	3MHz	QPSK	23025	1RB#0	0.009~0.15	-55.86	PASS
Band12	3MHz	QPSK	23025	1RB#0	0.15~30	-46.24	PASS
Band12	3MHz	QPSK	23025	1RB#0	30~1000	-52.53	PASS
Band12	3MHz	QPSK	23025	1RB#0	1000~3000	-34.38	PASS
Band12	3MHz	QPSK	23025	1RB#0	3000~10000	-35.16	PASS
Band12	3MHz	16QAM	23025	1RB#0	0.009~0.15	-57.84	PASS



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Band12	3MHz	16QAM	23025	1RB#0	0.15~30	-48.68	PASS
Band12	3MHz	16QAM	23025	1RB#0	30~1000	-52.96	PASS
Band12	3MHz	16QAM	23025	1RB#0	1000~3000	-37.79	PASS
Band12	3MHz	16QAM	23025	1RB#0	3000~10000	-35.12	PASS
Band12	3MHz	QPSK	23095	1RB#0	0.009~0.15	-60.13	PASS
Band12	3MHz	QPSK	23095	1RB#0	0.15~30	-45.24	PASS
Band12	3MHz	QPSK	23095	1RB#0	30~1000	-52.99	PASS
Band12	3MHz	QPSK	23095	1RB#0	1000~3000	-36.08	PASS
Band12	3MHz	QPSK	23095	1RB#0	3000~10000	-33.91	PASS
Band12	3MHz	16QAM	23095	1RB#0	0.009~0.15	-58.01	PASS
Band12	3MHz	16QAM	23095	1RB#0	0.15~30	-45.69	PASS
Band12	3MHz	16QAM	23095	1RB#0	30~1000	-52.72	PASS
Band12	3MHz	16QAM	23095	1RB#0	1000~3000	-34.98	PASS
Band12	3MHz	16QAM	23095	1RB#0	3000~10000	-35.22	PASS
Band12	3MHz	QPSK	23165	1RB#0	0.009~0.15	-58.50	PASS
Band12	3MHz	QPSK	23165	1RB#0	0.15~30	-44.15	PASS
Band12	3MHz	QPSK	23165	1RB#0	30~1000	-52.48	PASS
Band12	3MHz	QPSK	23165	1RB#0	1000~3000	-36.04	PASS
Band12	3MHz	QPSK	23165	1RB#0	3000~10000	-35.32	PASS
Band12	3MHz	16QAM	23165	1RB#0	0.009~0.15	-59.14	PASS
Band12	3MHz	16QAM	23165	1RB#0	0.15~30	-46.65	PASS
Band12	3MHz	16QAM	23165	1RB#0	30~1000	-52.57	PASS
Band12	3MHz	16QAM	23165	1RB#0	1000~3000	-34.42	PASS
Band12	3MHz	16QAM	23165	1RB#0	3000~10000	-35.11	PASS
Band12	5MHz	QPSK	23035	1RB#0	0.009~0.15	-57.08	PASS
Band12	5MHz	QPSK	23035	1RB#0	0.15~30	-43.05	PASS
Band12	5MHz	QPSK	23035	1RB#0	30~1000	-52.66	PASS
Band12	5MHz	QPSK	23035	1RB#0	1000~3000	-34.95	PASS
Band12	5MHz	QPSK	23035	1RB#0	3000~10000	-34.67	PASS
Band12	5MHz	16QAM	23035	1RB#0	0.009~0.15	-56.97	PASS
Band12	5MHz	16QAM	23035	1RB#0	0.15~30	-44.23	PASS
Band12	5MHz	16QAM	23035	1RB#0	30~1000	-52.33	PASS
Band12	5MHz	16QAM	23035	1RB#0	1000~3000	-35.99	PASS
Band12	5MHz	16QAM	23035	1RB#0	3000~10000	-35.40	PASS
Band12	5MHz	QPSK	23095	1RB#0	0.009~0.15	-57.91	PASS
Band12	5MHz	QPSK	23095	1RB#0	0.15~30	-48.91	PASS
Band12	5MHz	QPSK	23095	1RB#0	30~1000	-51.85	PASS
Band12	5MHz	QPSK	23095	1RB#0	1000~3000	-36.16	PASS
Band12	5MHz	QPSK	23095	1RB#0	3000~10000	-35.07	PASS
Band12	5MHz	16QAM	23095	1RB#0	0.009~0.15	-55.58	PASS
Band12	5MHz	16QAM	23095	1RB#0	0.15~30	-46.51	PASS
Band12	5MHz	16QAM	23095	1RB#0	30~1000	-52.87	PASS
Band12	5MHz	16QAM	23095	1RB#0	1000~3000	-36.88	PASS



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Band12	5MHz	16QAM	23095	1RB#0	3000~10000	-35.60	PASS
Band12	5MHz	QPSK	23155	1RB#0	0.009~0.15	-57.14	PASS
Band12	5MHz	QPSK	23155	1RB#0	0.15~30	-45.84	PASS
Band12	5MHz	QPSK	23155	1RB#0	30~1000	-51.96	PASS
Band12	5MHz	QPSK	23155	1RB#0	1000~3000	-35.79	PASS
Band12	5MHz	QPSK	23155	1RB#0	3000~10000	-34.19	PASS
Band12	5MHz	16QAM	23155	1RB#0	0.009~0.15	-58.03	PASS
Band12	5MHz	16QAM	23155	1RB#0	0.15~30	-47.58	PASS
Band12	5MHz	16QAM	23155	1RB#0	30~1000	-52.55	PASS
Band12	5MHz	16QAM	23155	1RB#0	1000~3000	-36.48	PASS
Band12	5MHz	16QAM	23155	1RB#0	3000~10000	-34.97	PASS
Band12	10MHz	QPSK	23060	1RB#0	0.009~0.15	-54.90	PASS
Band12	10MHz	QPSK	23060	1RB#0	0.15~30	-42.90	PASS
Band12	10MHz	QPSK	23060	1RB#0	30~1000	-52.69	PASS
Band12	10MHz	QPSK	23060	1RB#0	1000~3000	-36.38	PASS
Band12	10MHz	QPSK	23060	1RB#0	3000~10000	-34.43	PASS
Band12	10MHz	16QAM	23060	1RB#0	0.009~0.15	-56.97	PASS
Band12	10MHz	16QAM	23060	1RB#0	0.15~30	-48.05	PASS
Band12	10MHz	16QAM	23060	1RB#0	30~1000	-52.56	PASS
Band12	10MHz	16QAM	23060	1RB#0	1000~3000	-36.86	PASS
Band12	10MHz	16QAM	23060	1RB#0	3000~10000	-35.20	PASS
Band12	10MHz	QPSK	23095	1RB#0	0.009~0.15	-57.37	PASS
Band12	10MHz	QPSK	23095	1RB#0	0.15~30	-44.96	PASS
Band12	10MHz	QPSK	23095	1RB#0	30~1000	-52.03	PASS
Band12	10MHz	QPSK	23095	1RB#0	1000~3000	-34.89	PASS
Band12	10MHz	QPSK	23095	1RB#0	3000~10000	-34.99	PASS
Band12	10MHz	16QAM	23095	1RB#0	0.009~0.15	-57.91	PASS
Band12	10MHz	16QAM	23095	1RB#0	0.15~30	-46.49	PASS
Band12	10MHz	16QAM	23095	1RB#0	30~1000	-52.67	PASS
Band12	10MHz	16QAM	23095	1RB#0	1000~3000	-36.63	PASS
Band12	10MHz	16QAM	23095	1RB#0	3000~10000	-34.87	PASS
Band12	10MHz	QPSK	23130	1RB#0	0.009~0.15	-55.49	PASS
Band12	10MHz	QPSK	23130	1RB#0	0.15~30	-43.42	PASS
Band12	10MHz	QPSK	23130	1RB#0	30~1000	-52.49	PASS
Band12	10MHz	QPSK	23130	1RB#0	1000~3000	-35.76	PASS
Band12	10MHz	QPSK	23130	1RB#0	3000~10000	-34.85	PASS
Band12	10MHz	16QAM	23130	1RB#0	0.009~0.15	-57.33	PASS
Band12	10MHz	16QAM	23130	1RB#0	0.15~30	-45.85	PASS
Band12	10MHz	16QAM	23130	1RB#0	30~1000	-52.83	PASS
Band12	10MHz	16QAM	23130	1RB#0	1000~3000	-36.65	PASS
Band12	10MHz	16QAM	23130	1RB#0	3000~10000	-35.40	PASS



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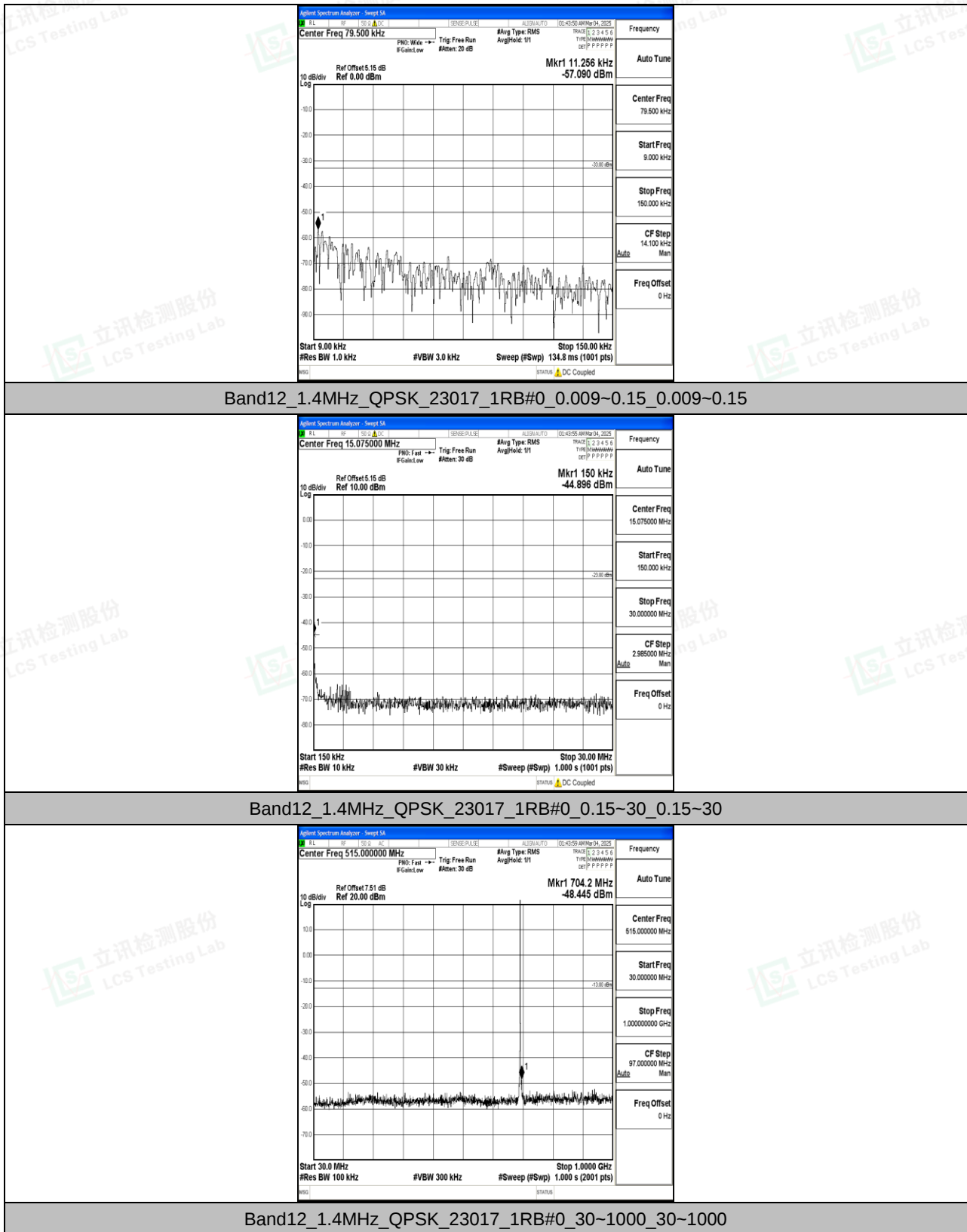
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Test Graphs

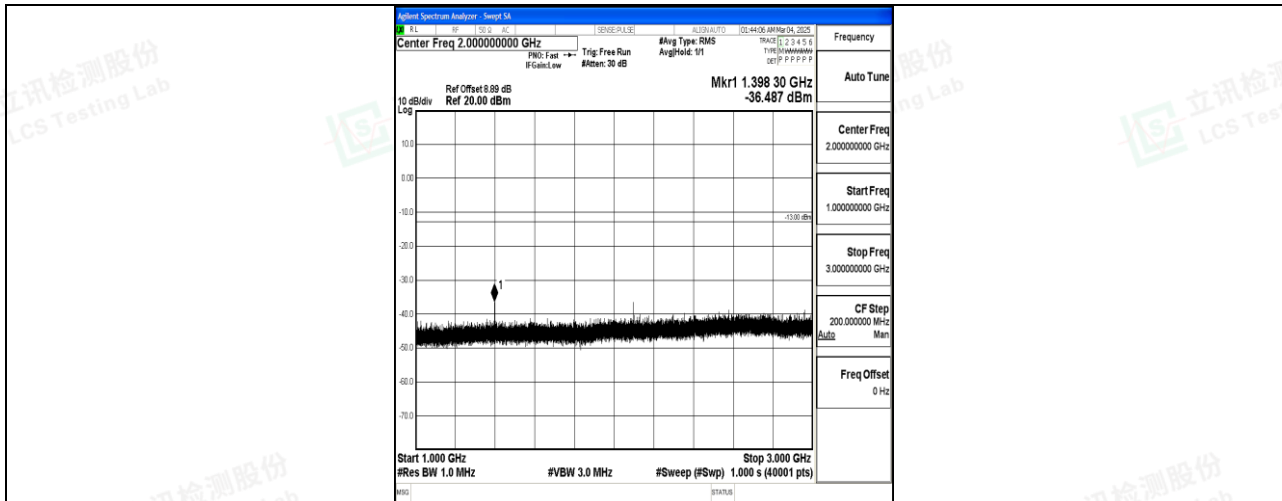


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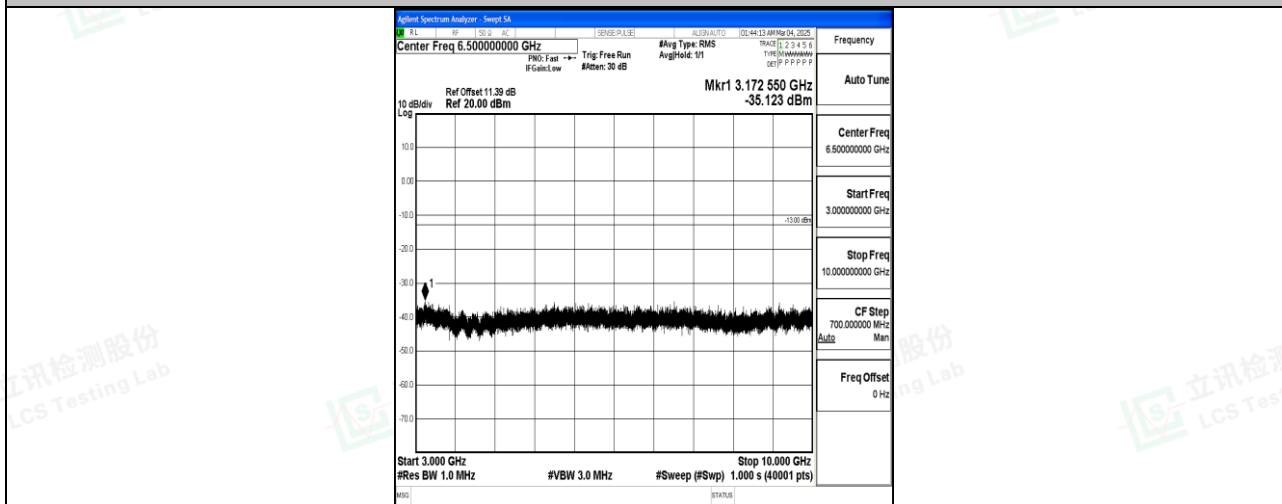
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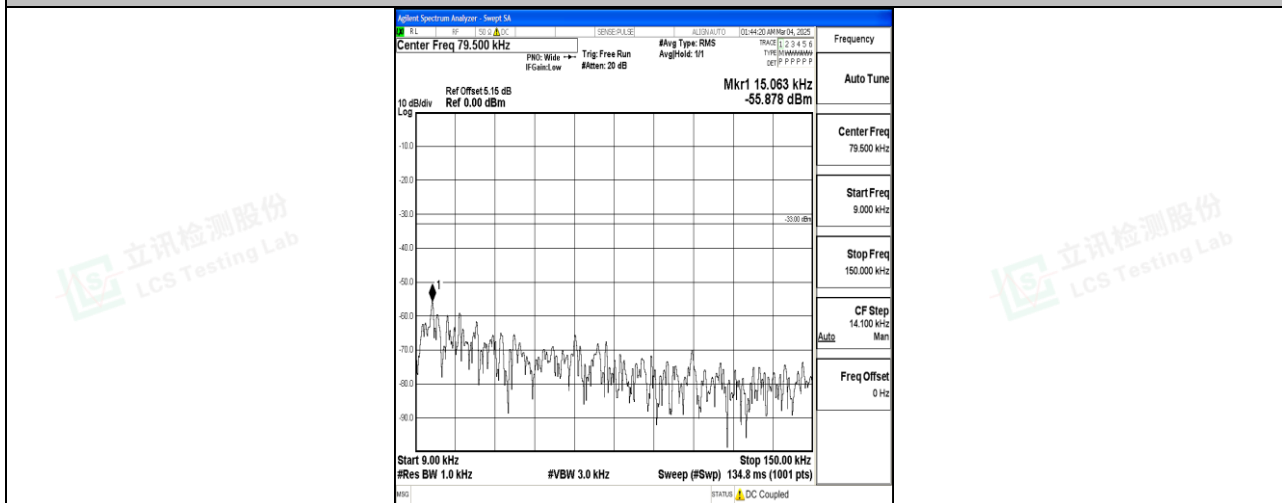
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Band12_1.4MHz_QPSK_23017_1RB#0_1000~3000_1000~3000



Band12_1.4MHz_QPSK_23017_1RB#0_3000~10000_3000~10000



Band12_1.4MHz_16QAM_23017_1RB#0_0.009~0.15_0.009~0.15



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