



Appendix H: Test Data for E-UTRA Band 12

Product Name: Kids Smartwatch

Test Model: x6

Environmental Conditions

Temperature:	22.5° C
Relative Humidity:	53.8%
ATM Pressure:	100.0 kPa
Test Engineer:	Ling Zhu
Supervised by:	Li Huan





H.1 Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	22.46	PASS
Band12	1.4MHz	QPSK	23017	1RB#2	22.60	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	22.52	PASS
Band12	1.4MHz	QPSK	23017	3RB#0	22.61	PASS
Band12	1.4MHz	QPSK	23017	3RB#1	22.52	PASS
Band12	1.4MHz	QPSK	23017	3RB#3	22.58	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	22.44	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	23.38	PASS
Band12	1.4MHz	QPSK	23095	1RB#2	23.29	PASS
Band12	1.4MHz	QPSK	23095	1RB#5	23.24	PASS
Band12	1.4MHz	QPSK	23095	3RB#0	23.11	PASS
Band12	1.4MHz	QPSK	23095	3RB#1	23.07	PASS
Band12	1.4MHz	QPSK	23095	3RB#3	23.02	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	22.99	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	23.73	PASS
Band12	1.4MHz	QPSK	23173	1RB#2	23.69	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	23.72	PASS
Band12	1.4MHz	QPSK	23173	3RB#0	23.67	PASS
Band12	1.4MHz	QPSK	23173	3RB#1	23.73	PASS
Band12	1.4MHz	QPSK	23173	3RB#3	23.77	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	22.77	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	21.36	PASS
Band12	1.4MHz	16QAM	23017	1RB#2	21.56	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	21.46	PASS
Band12	1.4MHz	16QAM	23017	3RB#0	21.39	PASS
Band12	1.4MHz	16QAM	23017	3RB#1	21.32	PASS
Band12	1.4MHz	16QAM	23017	3RB#3	21.44	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	21.25	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	22.27	PASS
Band12	1.4MHz	16QAM	23095	1RB#2	22.24	PASS



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Band12	1.4MHz	16QAM	23095	1RB#5	22.15	PASS
Band12	1.4MHz	16QAM	23095	3RB#0	21.91	PASS
Band12	1.4MHz	16QAM	23095	3RB#1	21.84	PASS
Band12	1.4MHz	16QAM	23095	3RB#3	21.82	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	21.98	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	22.75	PASS
Band12	1.4MHz	16QAM	23173	1RB#2	23.05	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	22.77	PASS
Band12	1.4MHz	16QAM	23173	3RB#0	22.52	PASS
Band12	1.4MHz	16QAM	23173	3RB#1	22.49	PASS
Band12	1.4MHz	16QAM	23173	3RB#3	22.43	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	21.89	PASS
Band12	3MHz	QPSK	23025	1RB#0	23.00	PASS
Band12	3MHz	QPSK	23025	1RB#8	23.28	PASS
Band12	3MHz	QPSK	23025	1RB#14	23.09	PASS
Band12	3MHz	QPSK	23025	8RB#0	22.58	PASS
Band12	3MHz	QPSK	23025	8RB#4	22.51	PASS
Band12	3MHz	QPSK	23025	8RB#7	22.57	PASS
Band12	3MHz	QPSK	23025	15RB#0	22.63	PASS
Band12	3MHz	QPSK	23095	1RB#0	23.12	PASS
Band12	3MHz	QPSK	23095	1RB#8	23.45	PASS
Band12	3MHz	QPSK	23095	1RB#14	23.37	PASS
Band12	3MHz	QPSK	23095	8RB#0	22.84	PASS
Band12	3MHz	QPSK	23095	8RB#4	22.91	PASS
Band12	3MHz	QPSK	23095	8RB#7	22.79	PASS
Band12	3MHz	QPSK	23095	15RB#0	22.80	PASS
Band12	3MHz	QPSK	23165	1RB#0	23.70	PASS
Band12	3MHz	QPSK	23165	1RB#8	23.68	PASS
Band12	3MHz	QPSK	23165	1RB#14	23.75	PASS
Band12	3MHz	QPSK	23165	8RB#0	22.92	PASS
Band12	3MHz	QPSK	23165	8RB#4	23.00	PASS
Band12	3MHz	QPSK	23165	8RB#7	22.89	PASS
Band12	3MHz	QPSK	23165	15RB#0	22.82	PASS
Band12	3MHz	16QAM	23025	1RB#0	22.00	PASS
Band12	3MHz	16QAM	23025	1RB#8	22.27	PASS



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Band12	3MHz	16QAM	23025	1RB#14	22.06	PASS
Band12	3MHz	16QAM	23025	8RB#0	21.68	PASS
Band12	3MHz	16QAM	23025	8RB#4	21.75	PASS
Band12	3MHz	16QAM	23025	8RB#7	21.74	PASS
Band12	3MHz	16QAM	23025	15RB#0	21.72	PASS
Band12	3MHz	16QAM	23095	1RB#0	21.97	PASS
Band12	3MHz	16QAM	23095	1RB#8	22.29	PASS
Band12	3MHz	16QAM	23095	1RB#14	22.18	PASS
Band12	3MHz	16QAM	23095	8RB#0	21.82	PASS
Band12	3MHz	16QAM	23095	8RB#4	21.79	PASS
Band12	3MHz	16QAM	23095	8RB#7	21.99	PASS
Band12	3MHz	16QAM	23095	15RB#0	21.82	PASS
Band12	3MHz	16QAM	23165	1RB#0	22.86	PASS
Band12	3MHz	16QAM	23165	1RB#8	22.76	PASS
Band12	3MHz	16QAM	23165	1RB#14	22.79	PASS
Band12	3MHz	16QAM	23165	8RB#0	22.10	PASS
Band12	3MHz	16QAM	23165	8RB#4	22.10	PASS
Band12	3MHz	16QAM	23165	8RB#7	22.13	PASS
Band12	3MHz	16QAM	23165	15RB#0	21.96	PASS
Band12	5MHz	QPSK	23035	1RB#0	22.53	PASS
Band12	5MHz	QPSK	23035	1RB#12	23.09	PASS
Band12	5MHz	QPSK	23035	1RB#24	22.78	PASS
Band12	5MHz	QPSK	23035	12RB#0	22.59	PASS
Band12	5MHz	QPSK	23035	12RB#6	22.55	PASS
Band12	5MHz	QPSK	23035	12RB#13	22.57	PASS
Band12	5MHz	QPSK	23035	25RB#0	22.51	PASS
Band12	5MHz	QPSK	23095	1RB#0	22.94	PASS
Band12	5MHz	QPSK	23095	1RB#12	23.38	PASS
Band12	5MHz	QPSK	23095	1RB#24	23.21	PASS
Band12	5MHz	QPSK	23095	12RB#0	22.92	PASS
Band12	5MHz	QPSK	23095	12RB#6	22.91	PASS
Band12	5MHz	QPSK	23095	12RB#13	23.11	PASS
Band12	5MHz	QPSK	23095	25RB#0	22.98	PASS
Band12	5MHz	QPSK	23155	1RB#0	23.52	PASS
Band12	5MHz	QPSK	23155	1RB#12	24.03	PASS



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Band12	5MHz	QPSK	23155	1RB#24	23.51	PASS
Band12	5MHz	QPSK	23155	12RB#0	22.83	PASS
Band12	5MHz	QPSK	23155	12RB#6	22.82	PASS
Band12	5MHz	QPSK	23155	12RB#13	22.83	PASS
Band12	5MHz	QPSK	23155	25RB#0	22.81	PASS
Band12	5MHz	16QAM	23035	1RB#0	21.35	PASS
Band12	5MHz	16QAM	23035	1RB#12	21.96	PASS
Band12	5MHz	16QAM	23035	1RB#24	21.67	PASS
Band12	5MHz	16QAM	23035	12RB#0	21.56	PASS
Band12	5MHz	16QAM	23035	12RB#6	21.52	PASS
Band12	5MHz	16QAM	23035	12RB#13	21.55	PASS
Band12	5MHz	16QAM	23035	25RB#0	21.52	PASS
Band12	5MHz	16QAM	23095	1RB#0	21.81	PASS
Band12	5MHz	16QAM	23095	1RB#12	22.23	PASS
Band12	5MHz	16QAM	23095	1RB#24	22.10	PASS
Band12	5MHz	16QAM	23095	12RB#0	21.91	PASS
Band12	5MHz	16QAM	23095	12RB#6	21.89	PASS
Band12	5MHz	16QAM	23095	12RB#13	22.08	PASS
Band12	5MHz	16QAM	23095	25RB#0	21.99	PASS
Band12	5MHz	16QAM	23155	1RB#0	22.57	PASS
Band12	5MHz	16QAM	23155	1RB#12	22.86	PASS
Band12	5MHz	16QAM	23155	1RB#24	22.61	PASS
Band12	5MHz	16QAM	23155	12RB#0	21.89	PASS
Band12	5MHz	16QAM	23155	12RB#6	21.78	PASS
Band12	5MHz	16QAM	23155	12RB#13	21.94	PASS
Band12	5MHz	16QAM	23155	25RB#0	21.80	PASS
Band12	10MHz	QPSK	23060	1RB#0	22.27	PASS
Band12	10MHz	QPSK	23060	1RB#24	23.34	PASS
Band12	10MHz	QPSK	23060	1RB#49	22.74	PASS
Band12	10MHz	QPSK	23060	25RB#0	22.68	PASS
Band12	10MHz	QPSK	23060	25RB#12	22.60	PASS
Band12	10MHz	QPSK	23060	25RB#25	22.87	PASS
Band12	10MHz	QPSK	23060	50RB#0	22.98	PASS
Band12	10MHz	QPSK	23095	1RB#0	22.35	PASS
Band12	10MHz	QPSK	23095	1RB#24	23.49	PASS



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Band12	10MHz	QPSK	23095	1RB#49	23.38	PASS
Band12	10MHz	QPSK	23095	25RB#0	22.82	PASS
Band12	10MHz	QPSK	23095	25RB#12	22.77	PASS
Band12	10MHz	QPSK	23095	25RB#25	22.83	PASS
Band12	10MHz	QPSK	23095	50RB#0	22.98	PASS
Band12	10MHz	QPSK	23130	1RB#0	22.55	PASS
Band12	10MHz	QPSK	23130	1RB#24	24.02	PASS
Band12	10MHz	QPSK	23130	1RB#49	23.23	PASS
Band12	10MHz	QPSK	23130	25RB#0	23.11	PASS
Band12	10MHz	QPSK	23130	25RB#12	23.07	PASS
Band12	10MHz	QPSK	23130	25RB#25	22.73	PASS
Band12	10MHz	QPSK	23130	50RB#0	23.28	PASS
Band12	10MHz	16QAM	23060	1RB#0	21.19	PASS
Band12	10MHz	16QAM	23060	1RB#24	22.32	PASS
Band12	10MHz	16QAM	23060	1RB#49	21.71	PASS
Band12	10MHz	16QAM	23060	25RB#0	21.61	PASS
Band12	10MHz	16QAM	23060	25RB#12	21.55	PASS
Band12	10MHz	16QAM	23060	25RB#25	21.82	PASS
Band12	10MHz	16QAM	23060	50RB#0	21.54	PASS
Band12	10MHz	16QAM	23095	1RB#0	21.04	PASS
Band12	10MHz	16QAM	23095	1RB#24	22.21	PASS
Band12	10MHz	16QAM	23095	1RB#49	22.12	PASS
Band12	10MHz	16QAM	23095	25RB#0	21.81	PASS
Band12	10MHz	16QAM	23095	25RB#12	21.78	PASS
Band12	10MHz	16QAM	23095	25RB#25	22.26	PASS
Band12	10MHz	16QAM	23095	50RB#0	21.97	PASS
Band12	10MHz	16QAM	23130	1RB#0	21.47	PASS
Band12	10MHz	16QAM	23130	1RB#24	23.00	PASS
Band12	10MHz	16QAM	23130	1RB#49	22.28	PASS
Band12	10MHz	16QAM	23130	25RB#0	22.05	PASS
Band12	10MHz	16QAM	23130	25RB#12	22.00	PASS
Band12	10MHz	16QAM	23130	25RB#25	21.80	PASS
Band12	10MHz	16QAM	23130	50RB#0	21.84	PASS



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H.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	5.20	13	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	5.47	13	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	4.74	13	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	6.05	13	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	6.35	13	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	5.59	13	PASS
Band12	3MHz	QPSK	23025	15RB#0	5.22	13	PASS
Band12	3MHz	QPSK	23095	15RB#0	5.55	13	PASS
Band12	3MHz	QPSK	23165	15RB#0	4.71	13	PASS
Band12	3MHz	16QAM	23025	15RB#0	6.16	13	PASS
Band12	3MHz	16QAM	23095	15RB#0	6.43	13	PASS
Band12	3MHz	16QAM	23165	15RB#0	5.60	13	PASS
Band12	5MHz	QPSK	23035	25RB#0	5.25	13	PASS
Band12	5MHz	QPSK	23095	25RB#0	5.52	13	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.87	13	PASS
Band12	5MHz	16QAM	23035	25RB#0	6.08	13	PASS
Band12	5MHz	16QAM	23095	25RB#0	6.34	13	PASS
Band12	5MHz	16QAM	23155	25RB#0	5.69	13	PASS
Band12	10MHz	QPSK	23060	50RB#0	5.46	13	PASS
Band12	10MHz	QPSK	23095	50RB#0	5.51	13	PASS
Band12	10MHz	QPSK	23130	50RB#0	5.22	13	PASS
Band12	10MHz	16QAM	23060	50RB#0	6.30	13	PASS
Band12	10MHz	16QAM	23095	50RB#0	6.35	13	PASS
Band12	10MHz	16QAM	23130	50RB#0	6.11	13	PASS



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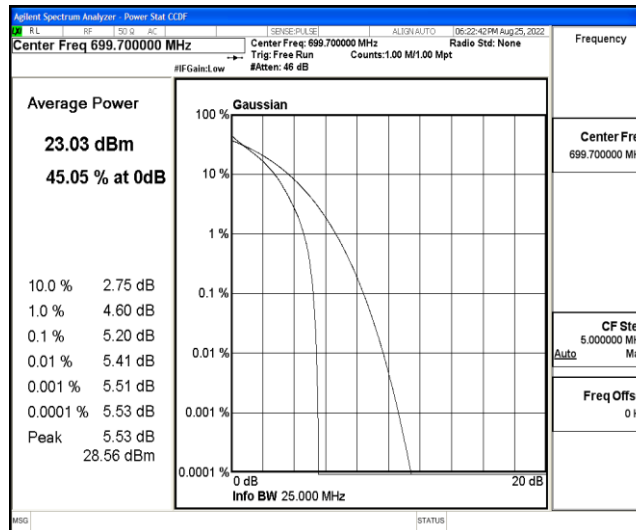
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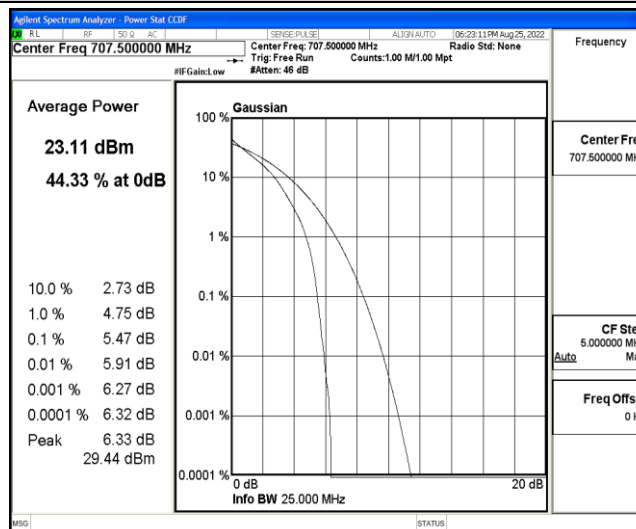


Test Graphs

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



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



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

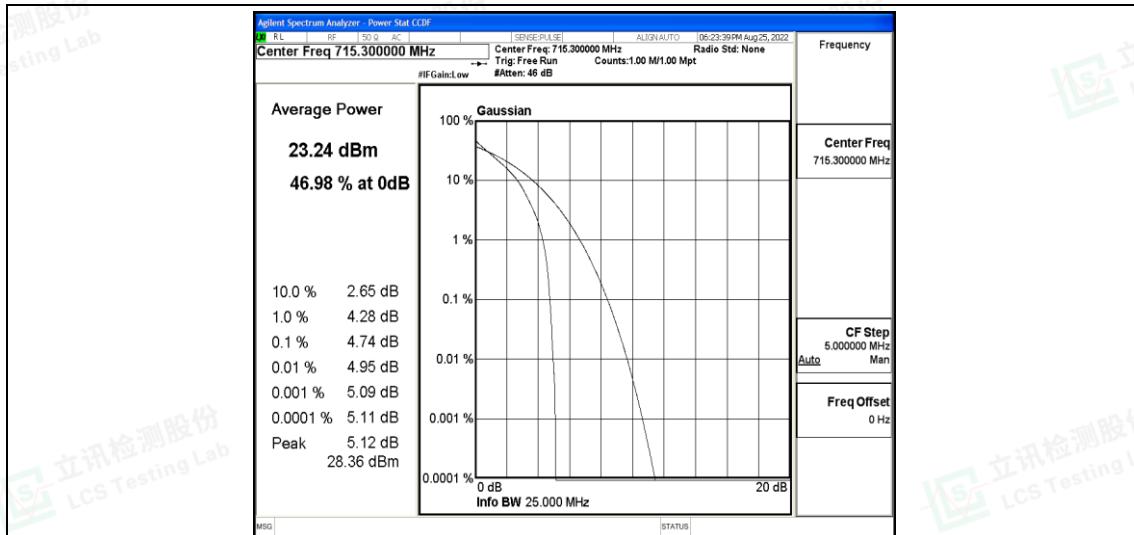


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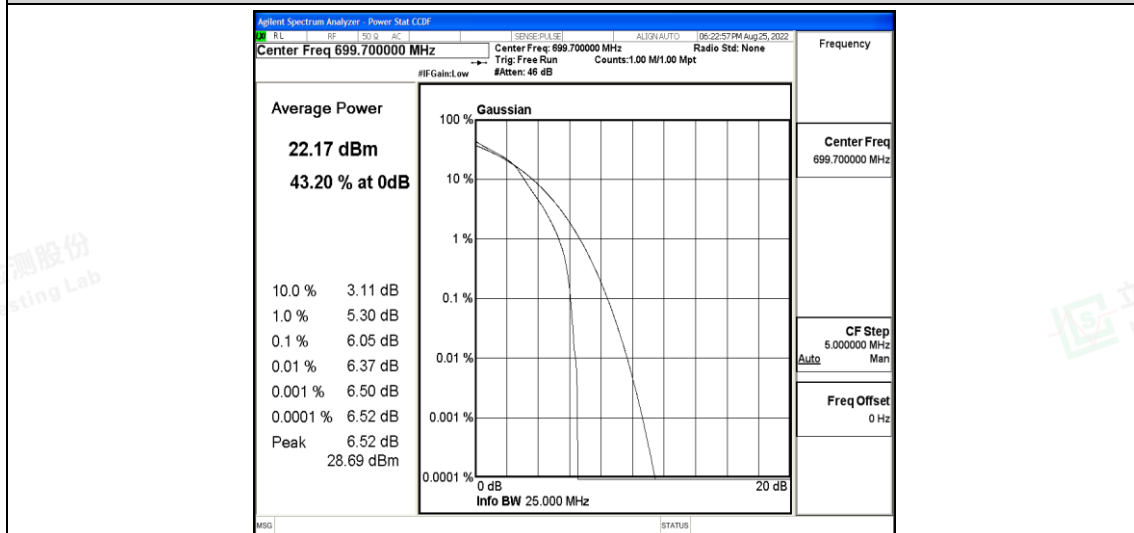
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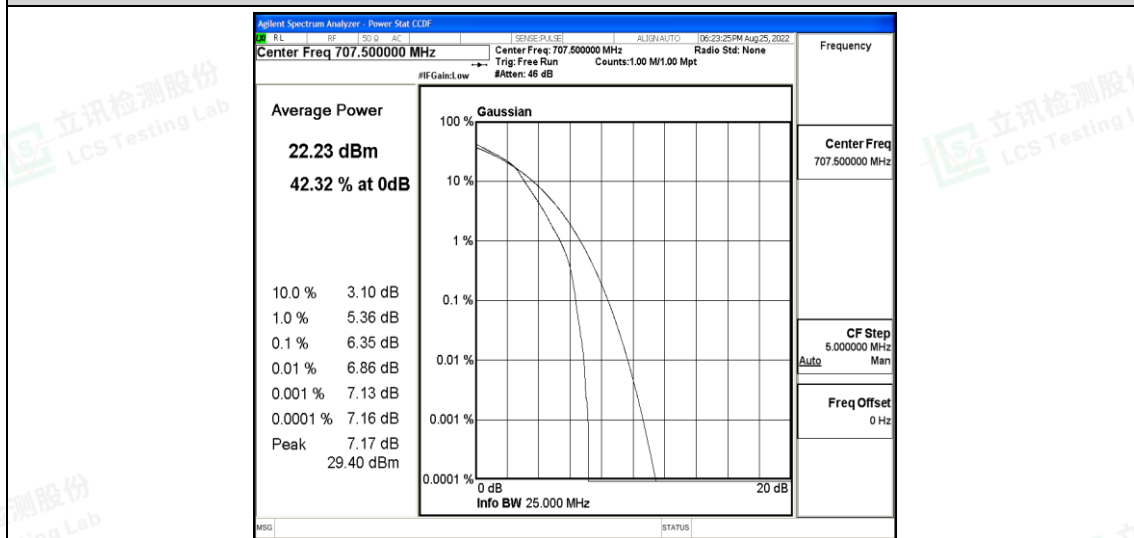
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Band12-1.4MHz-16QAM-23017-6RB#0



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



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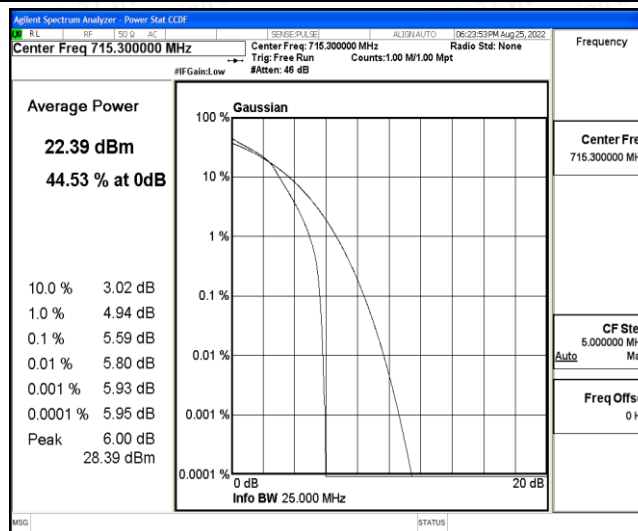
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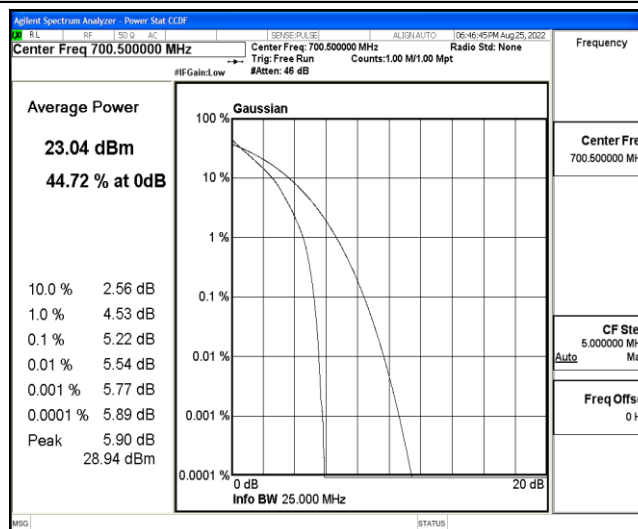
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Band12-1.4MHz-16QAM-23173-6RB#0



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



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

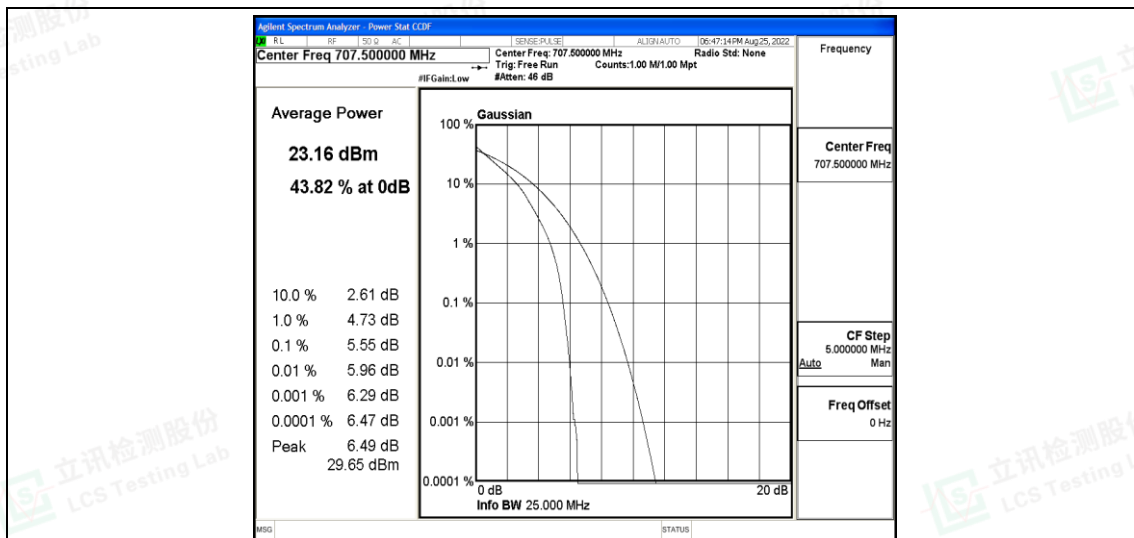


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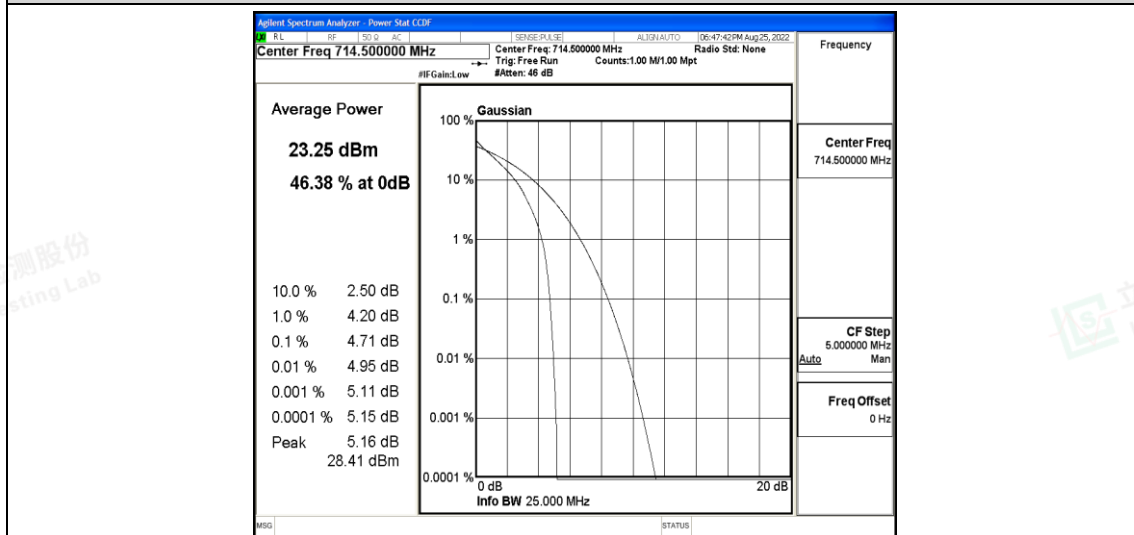
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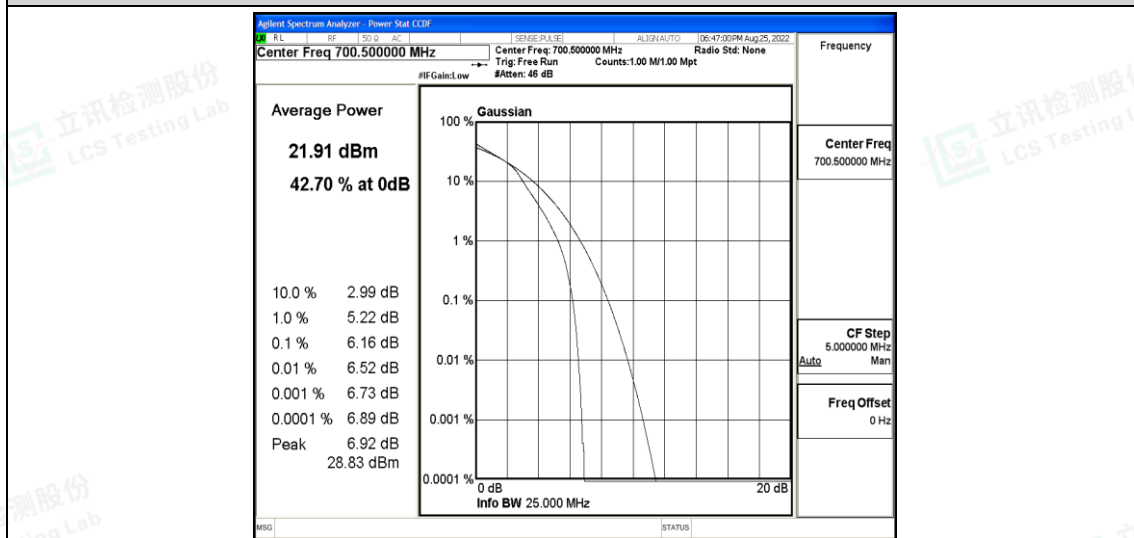
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Band12-3MHz-QPSK-23165-15RB#0



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



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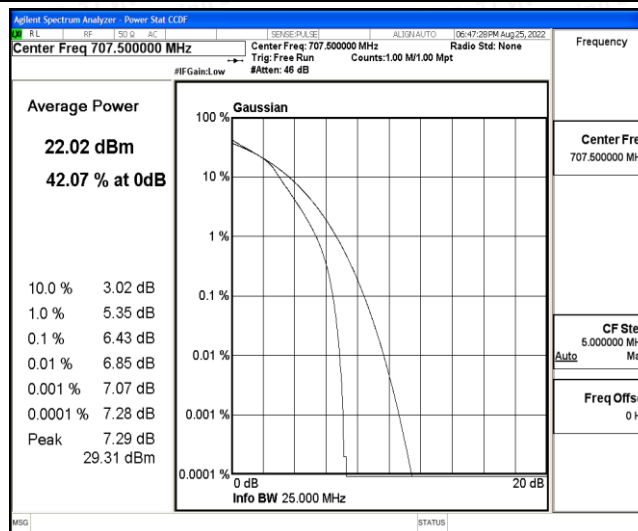
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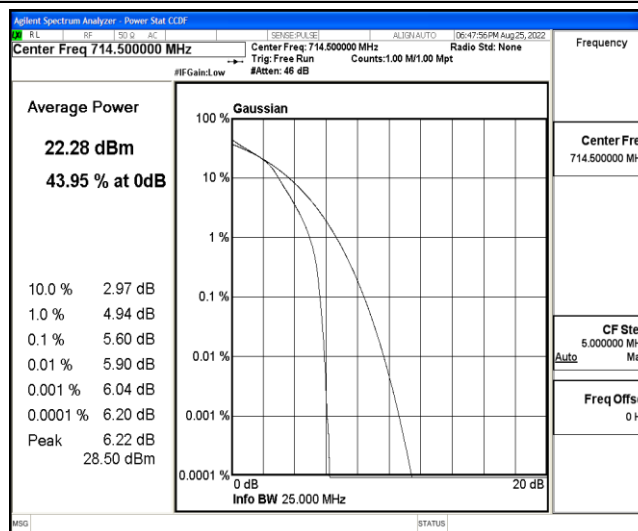
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Band12-3MHz-16QAM-23095-15RB#0



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



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

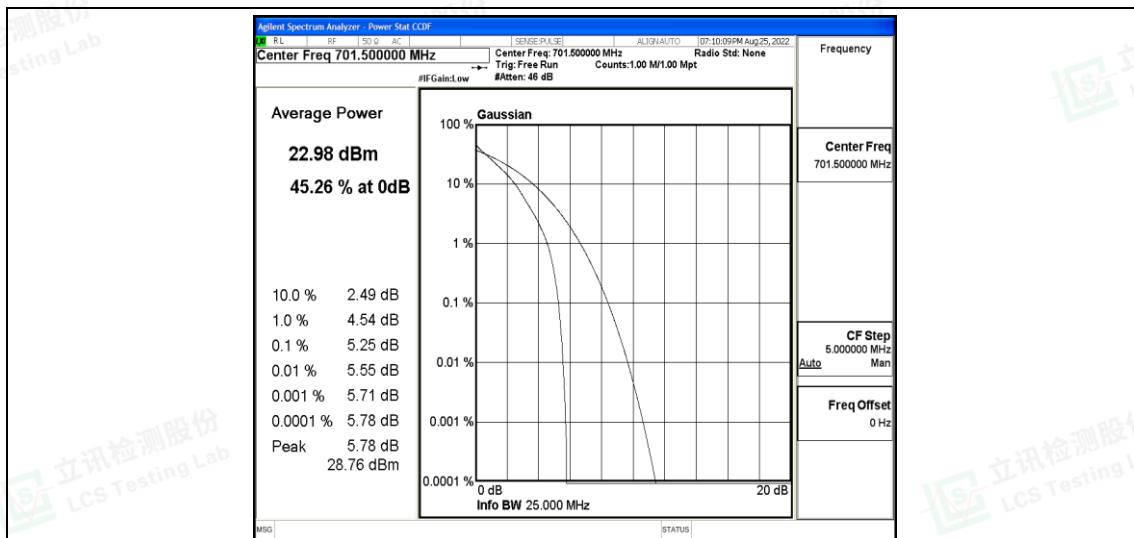


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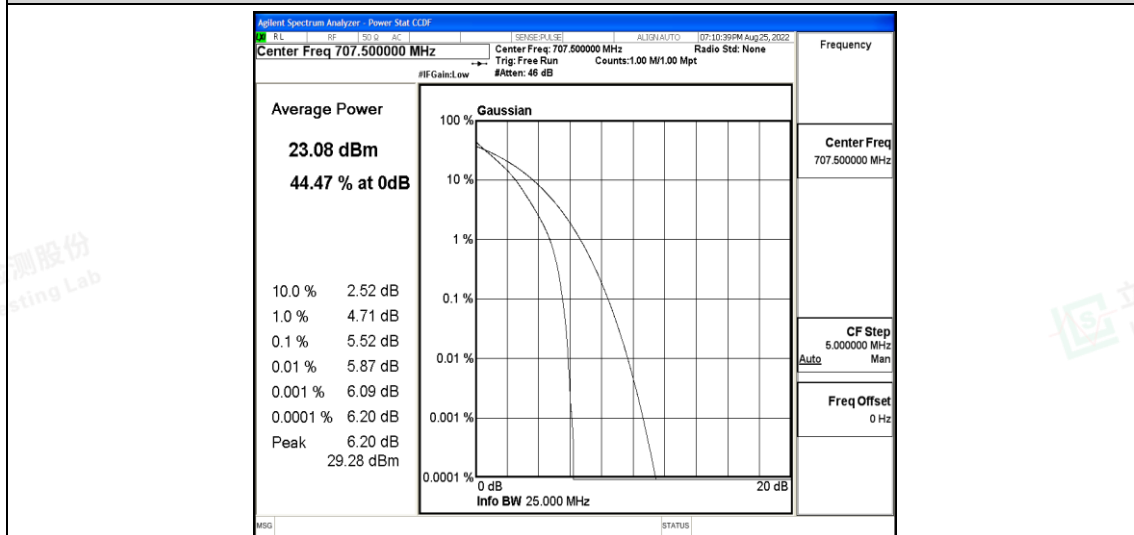
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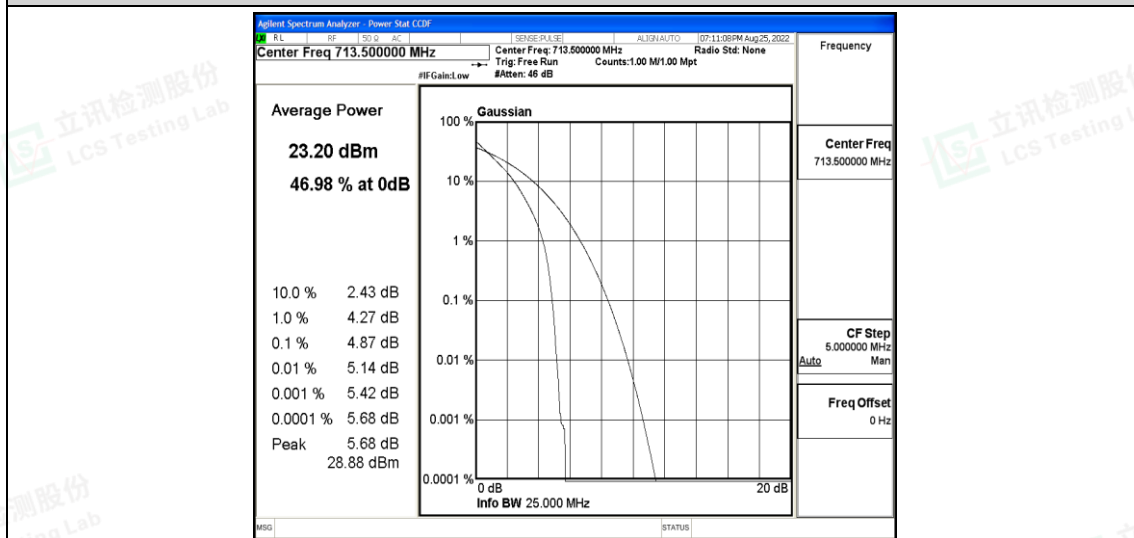
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Band12-5MHz-QPSK-23095-25RB#0



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



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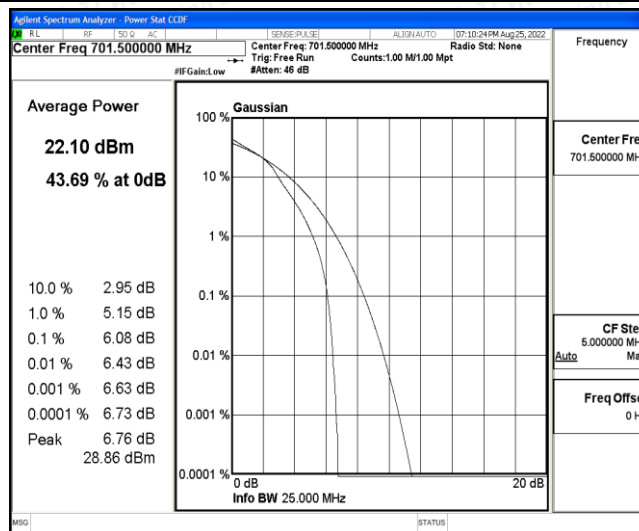
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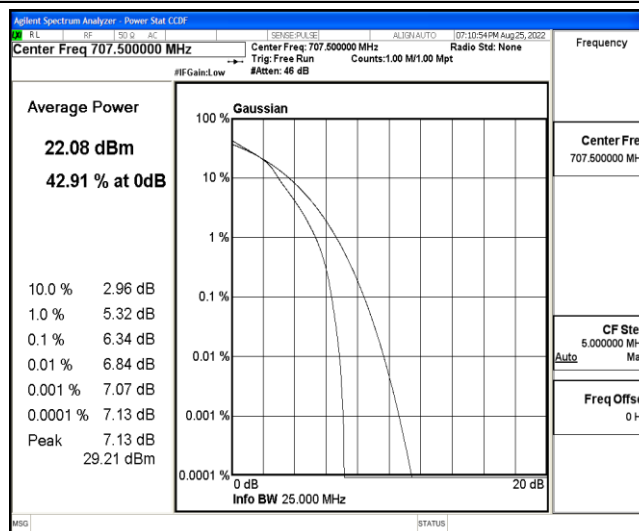
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Band12-5MHz-16QAM-23035-25RB#0



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



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

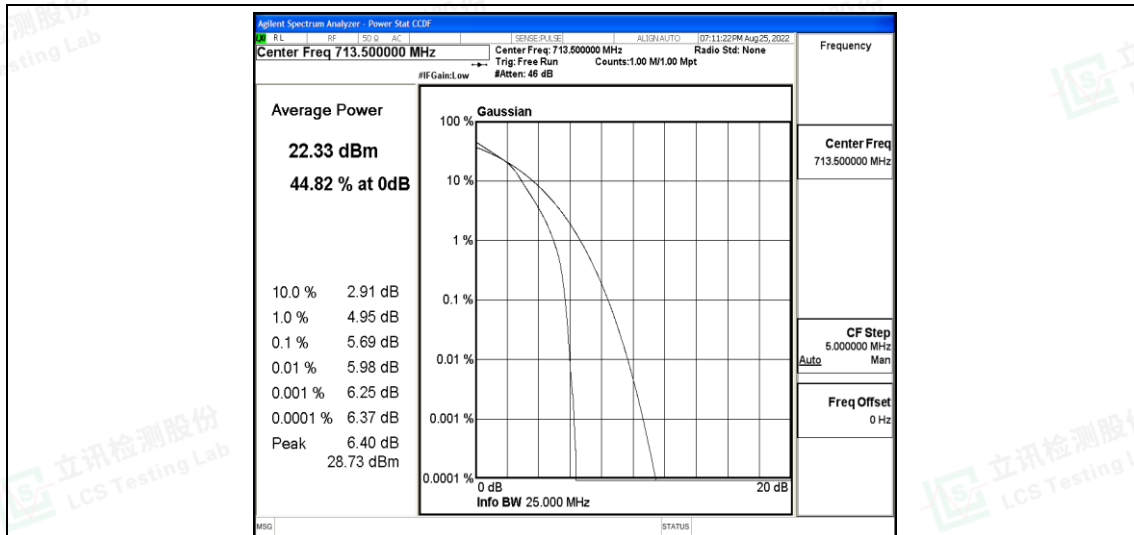


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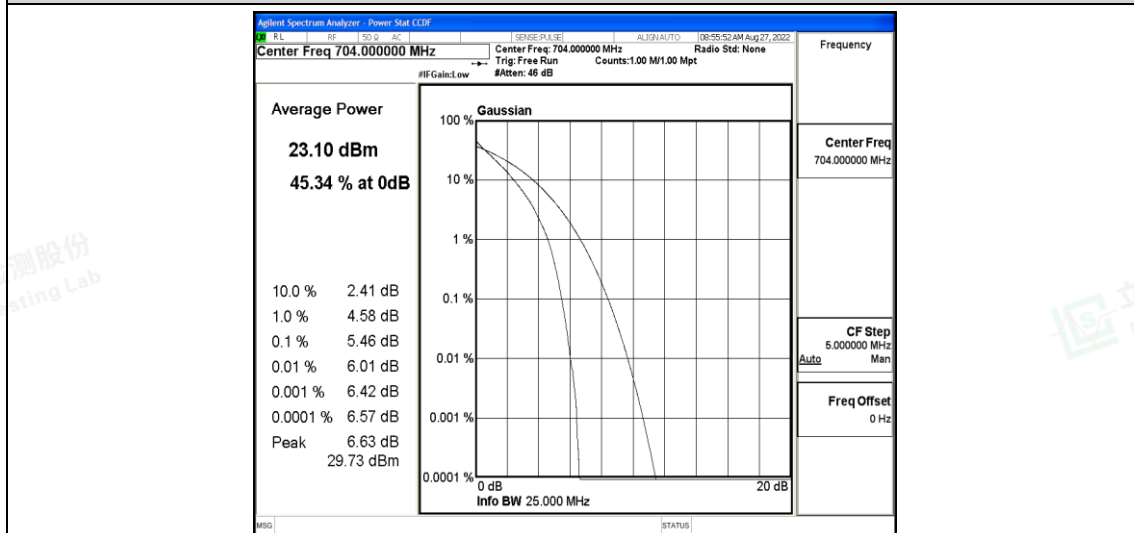
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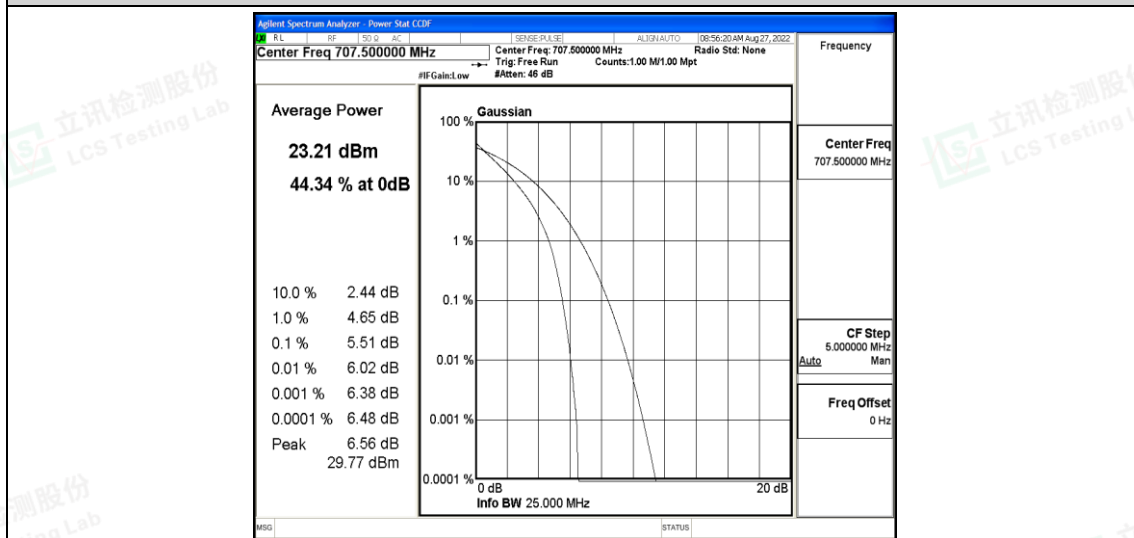
Scan code to check authenticity



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



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



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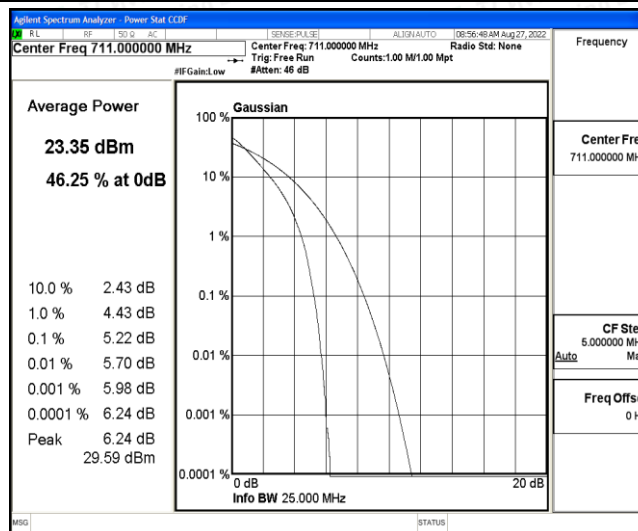
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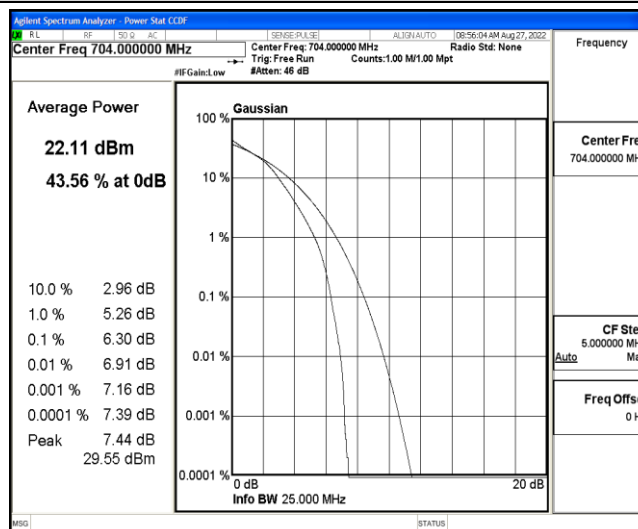
Scan code to check authenticity



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



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



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

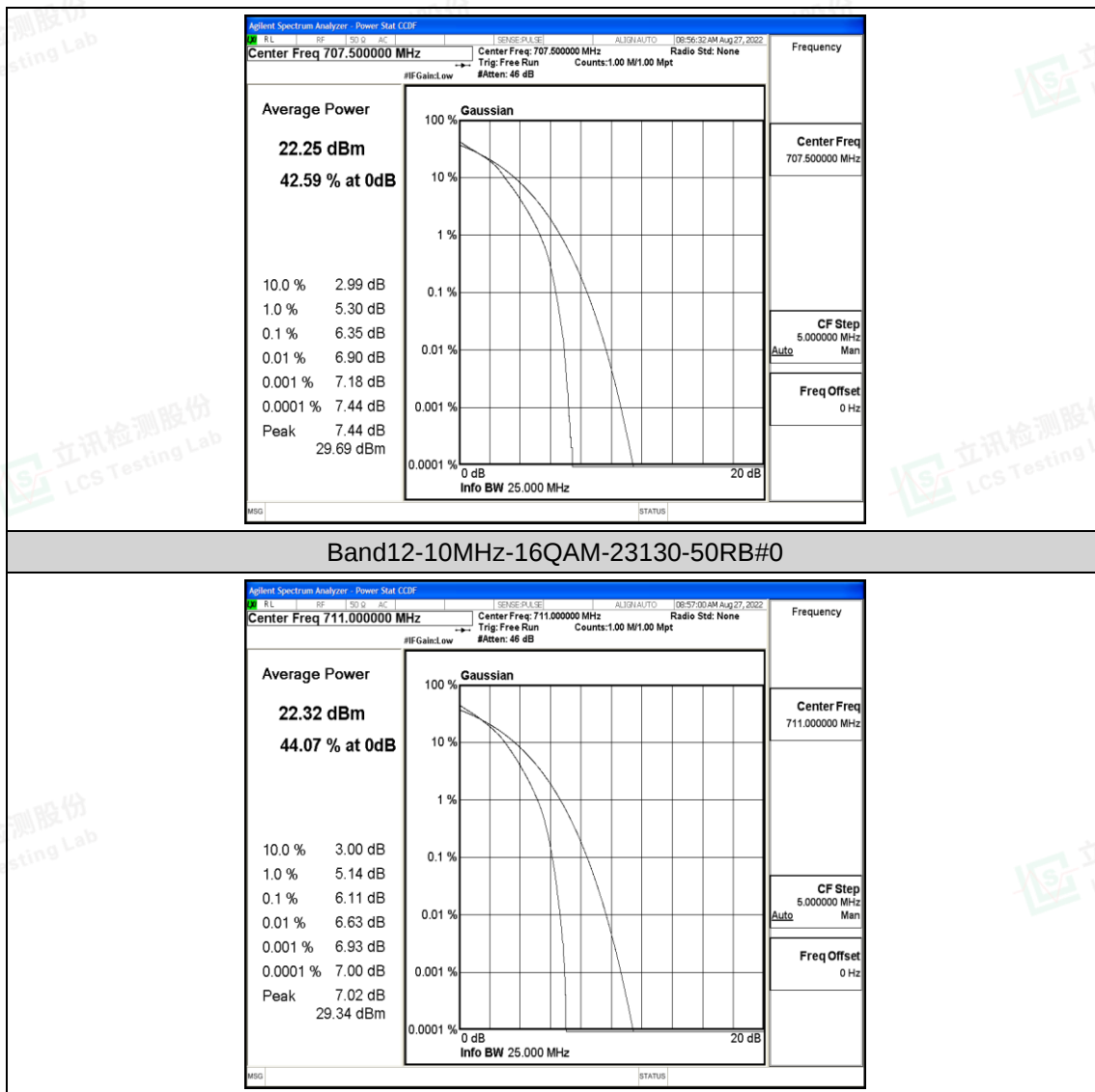


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H.3 26dB Bandwidth and Occupied Bandwidth

Test Result

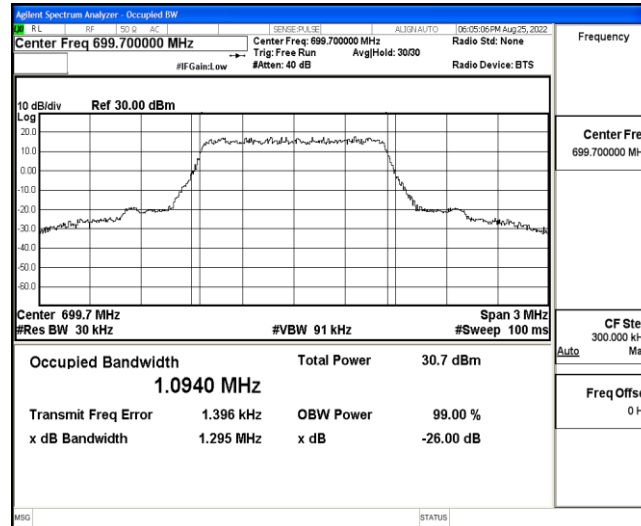
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	1.0940	1.295	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	1.0969	1.282	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	1.0943	1.282	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	1.0934	1.275	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	1.0939	1.275	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	1.1002	1.273	PASS
Band12	3MHz	QPSK	23025	15RB#0	2.7008	2.971	PASS
Band12	3MHz	QPSK	23095	15RB#0	2.6972	2.976	PASS
Band12	3MHz	QPSK	23165	15RB#0	2.7000	2.954	PASS
Band12	3MHz	16QAM	23025	15RB#0	2.6910	2.953	PASS
Band12	3MHz	16QAM	23095	15RB#0	2.6960	2.960	PASS
Band12	3MHz	16QAM	23165	15RB#0	2.6978	2.975	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.4961	5.034	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.4994	4.997	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.5002	4.975	PASS
Band12	5MHz	16QAM	23035	25RB#0	4.4958	4.969	PASS
Band12	5MHz	16QAM	23095	25RB#0	4.5274	5.020	PASS
Band12	5MHz	16QAM	23155	25RB#0	4.4965	5.011	PASS
Band12	10MHz	QPSK	23060	50RB#0	8.9795	9.918	PASS
Band12	10MHz	QPSK	23095	50RB#0	8.9908	9.899	PASS
Band12	10MHz	QPSK	23130	50RB#0	8.9379	9.848	PASS
Band12	10MHz	16QAM	23060	50RB#0	8.9646	9.890	PASS
Band12	10MHz	16QAM	23095	50RB#0	8.9857	9.943	PASS
Band12	10MHz	16QAM	23130	50RB#0	8.9206	9.742	PASS



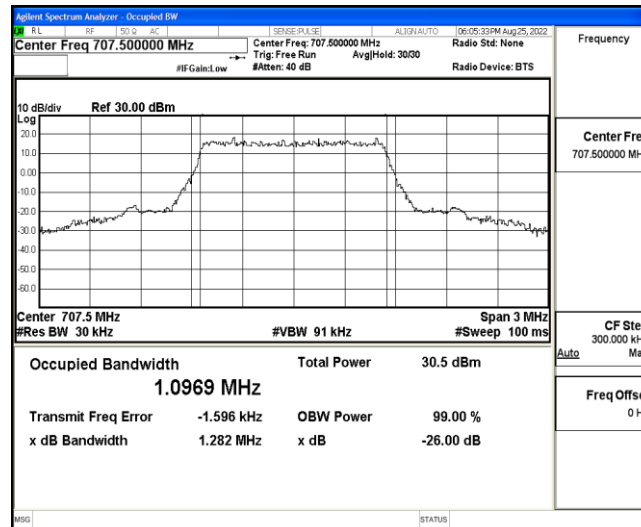


Test Graphs

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



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



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

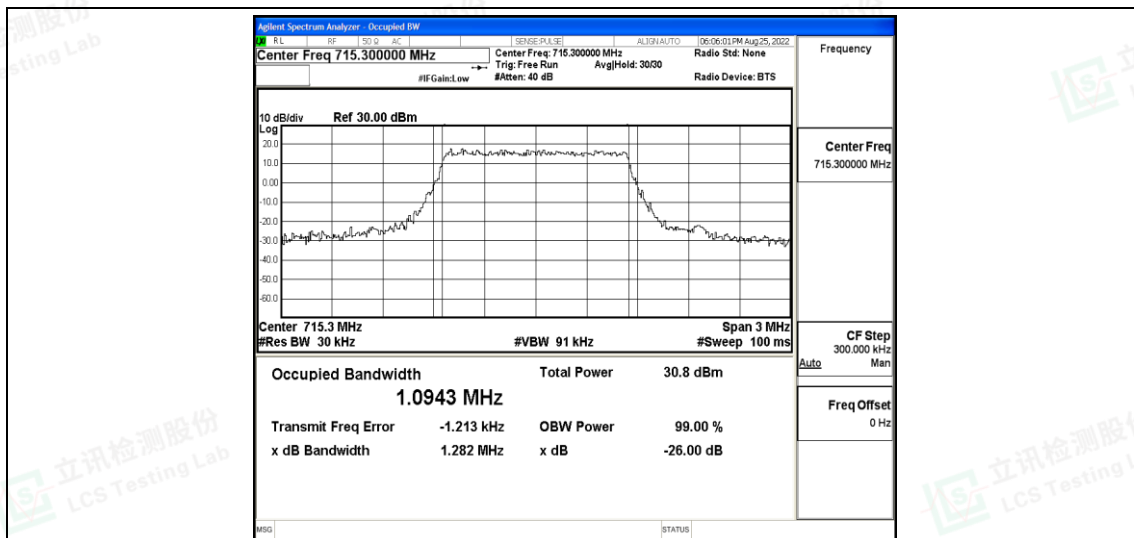


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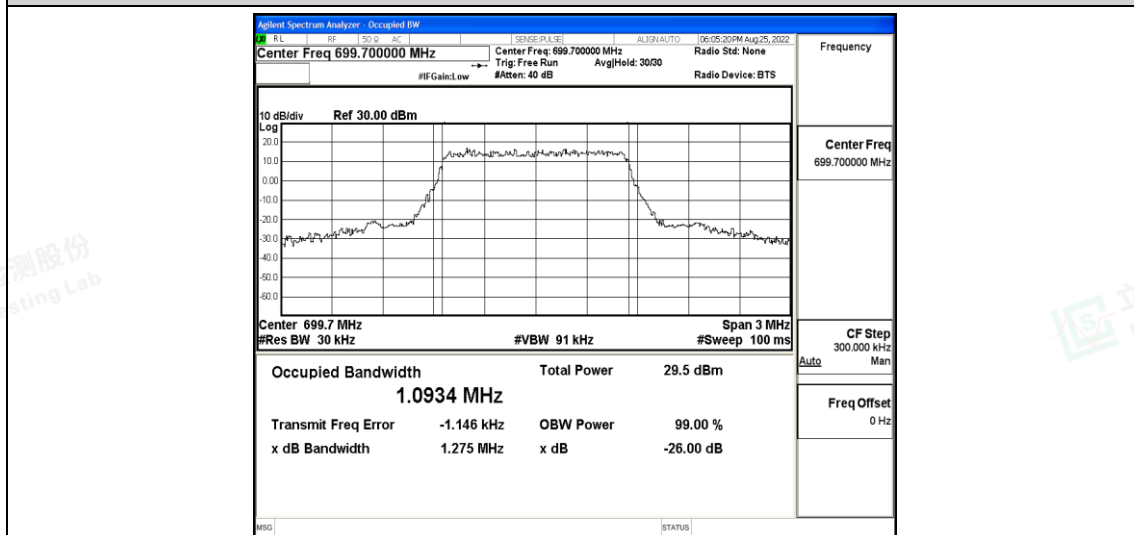
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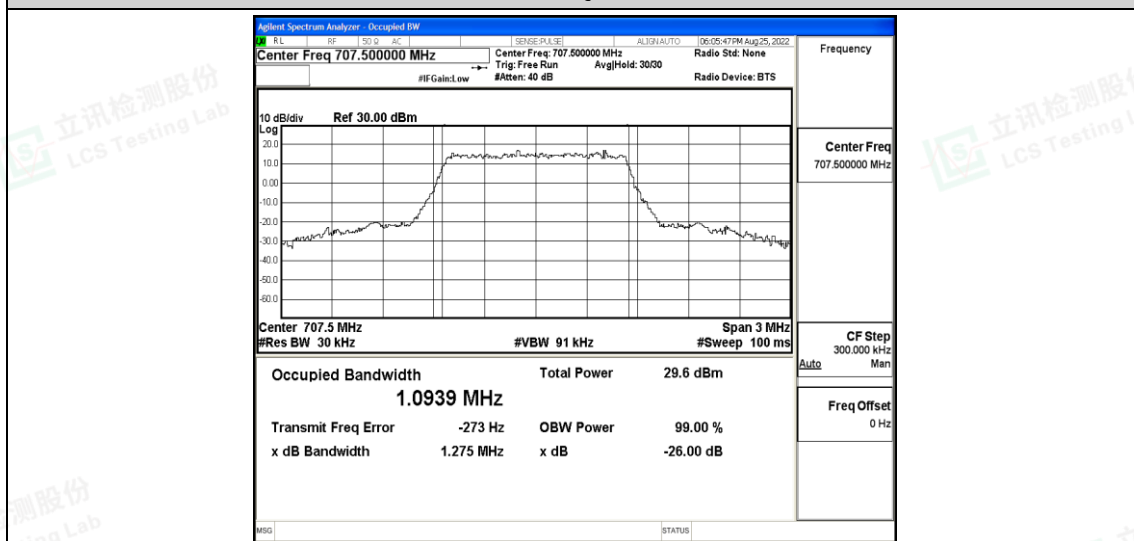
Scan code to check authenticity



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



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



Shenzhen LCS Compliance Testing Laboratory Ltd.

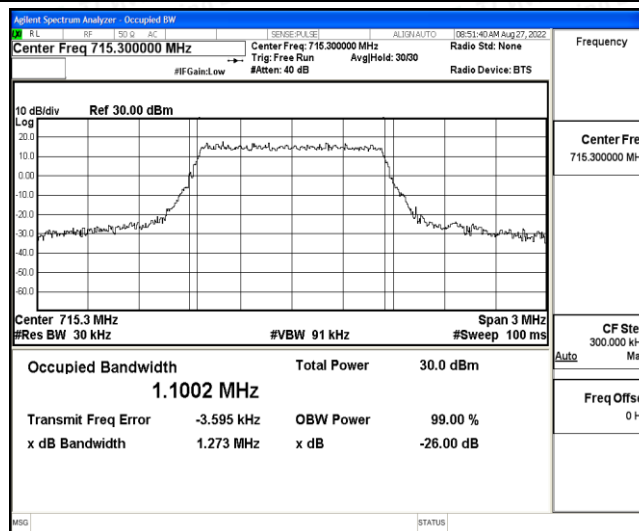
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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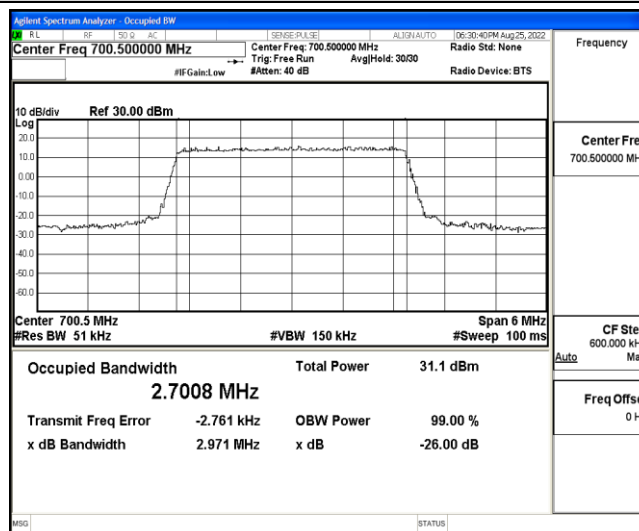
Scan code to check authenticity



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



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



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

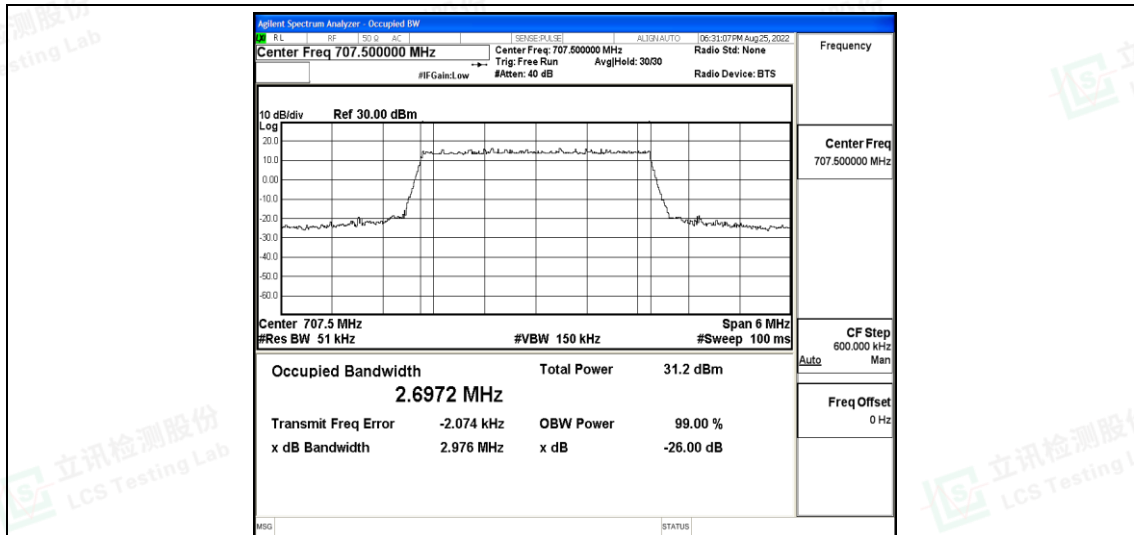


Shenzhen LCS Compliance Testing Laboratory Ltd.

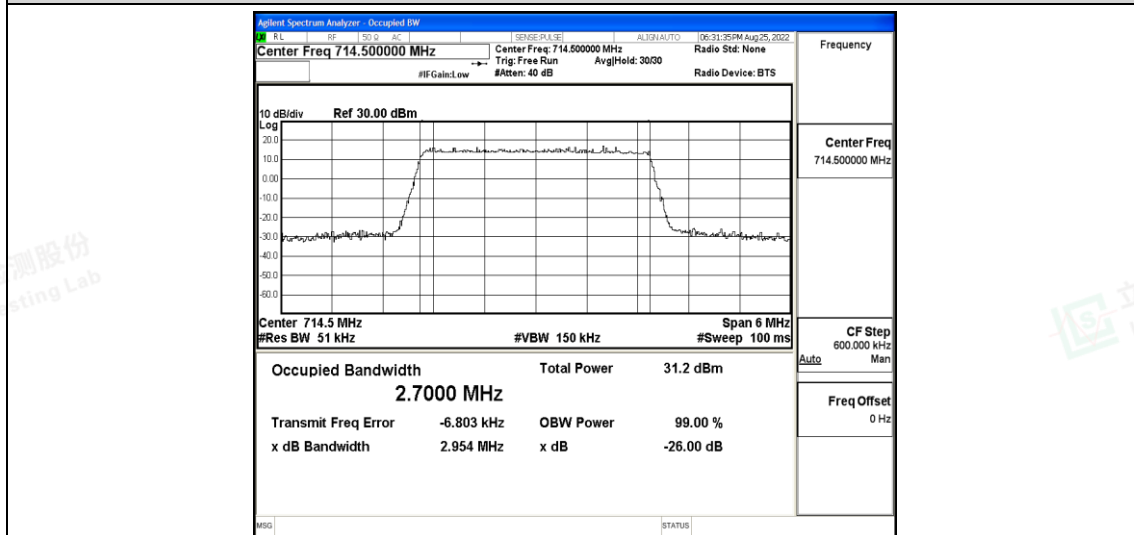
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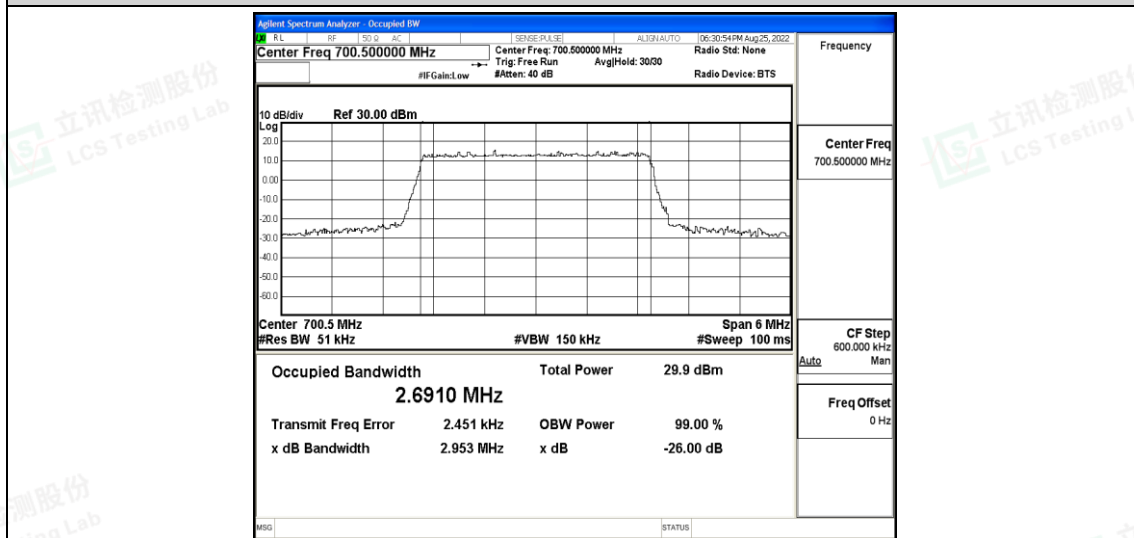
Scan code to check authenticity



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



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



Shenzhen LCS Compliance Testing Laboratory Ltd.

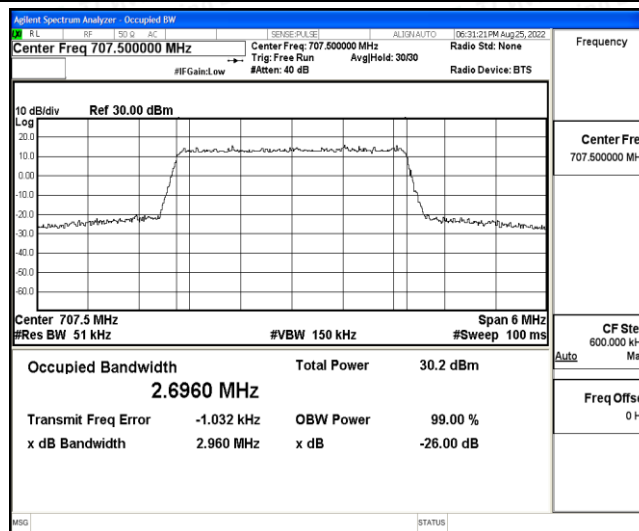
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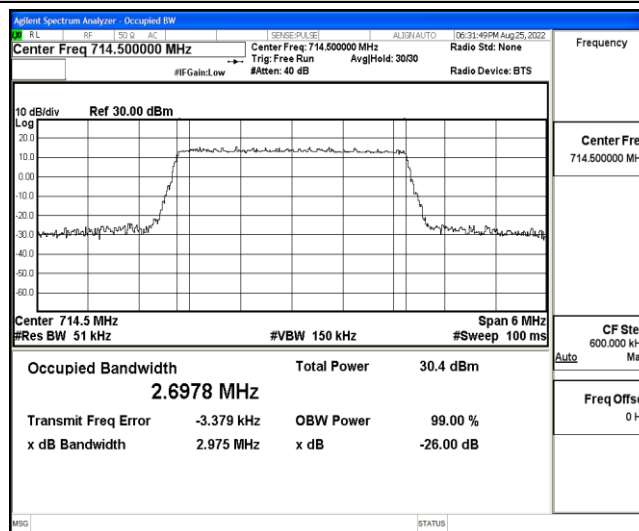
Scan code to check authenticity



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



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



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

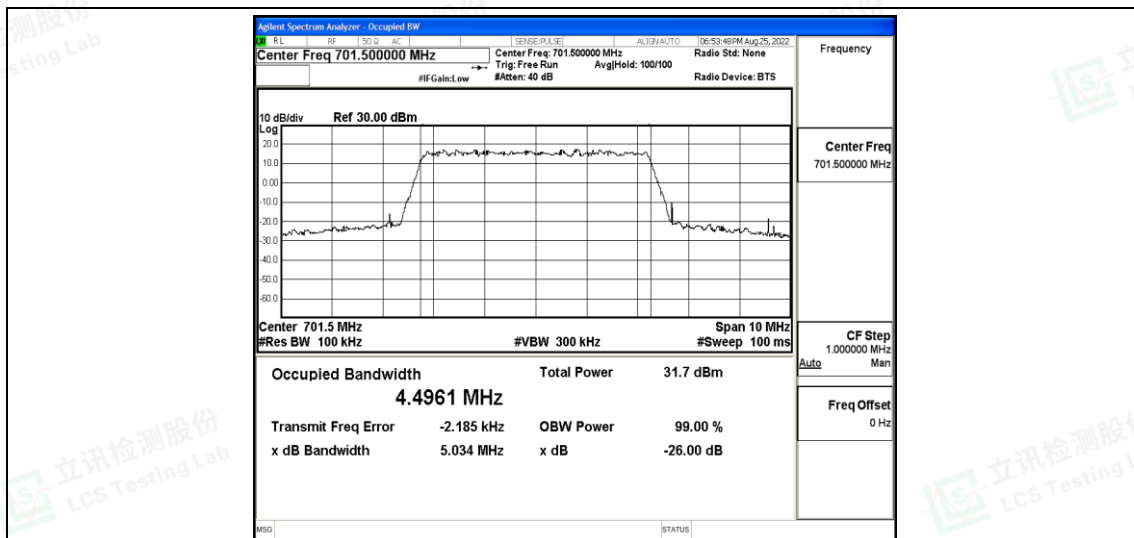


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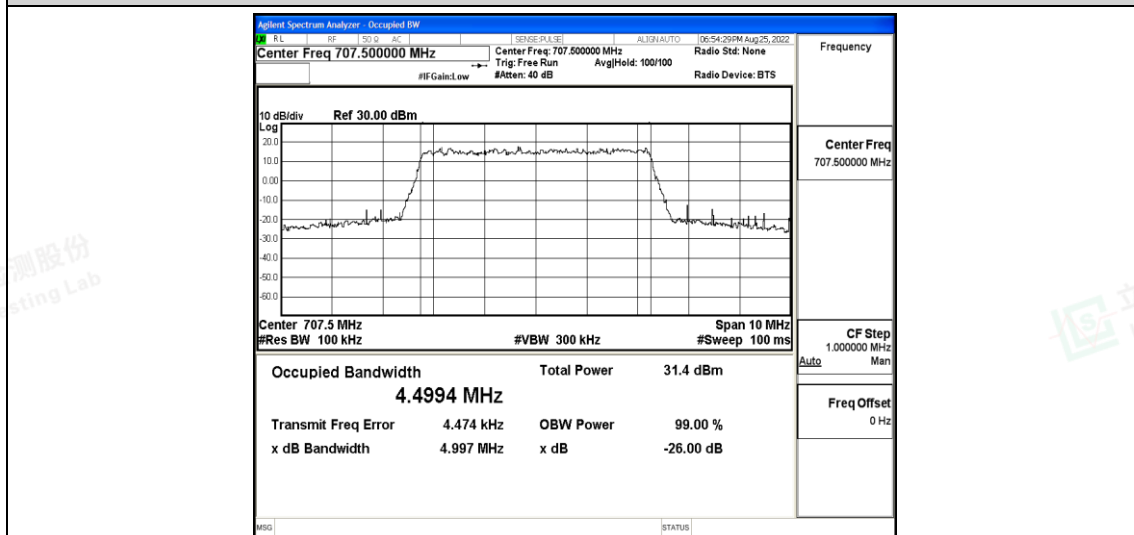
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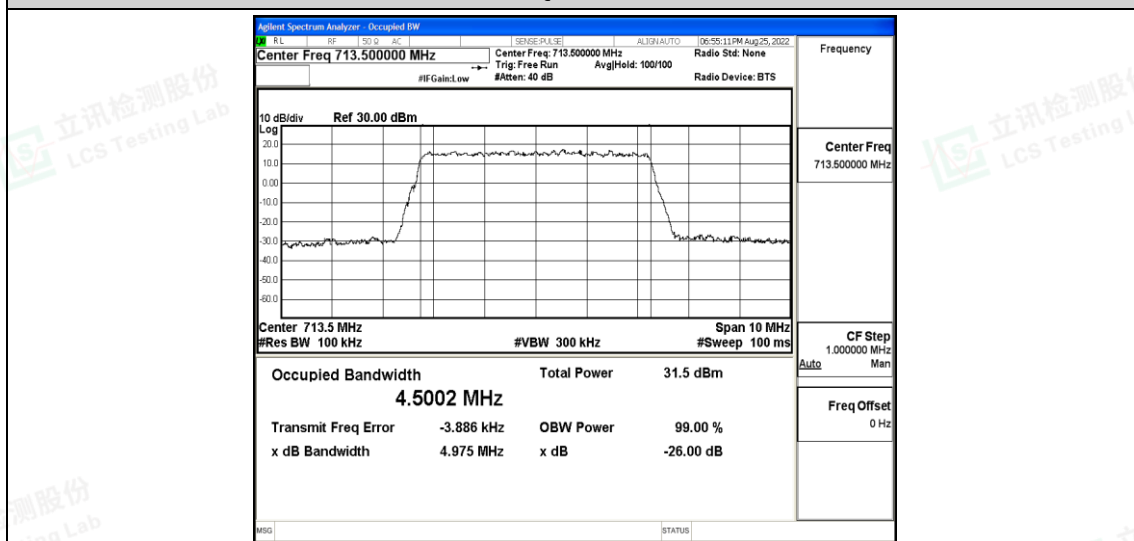
Scan code to check authenticity



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



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



Shenzhen LCS Compliance Testing Laboratory Ltd.

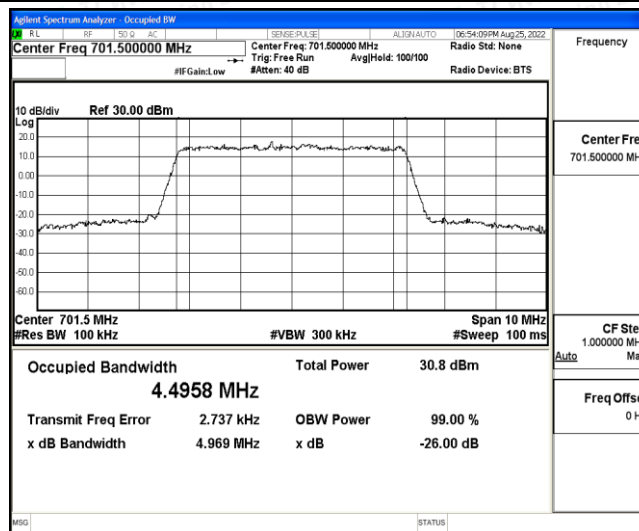
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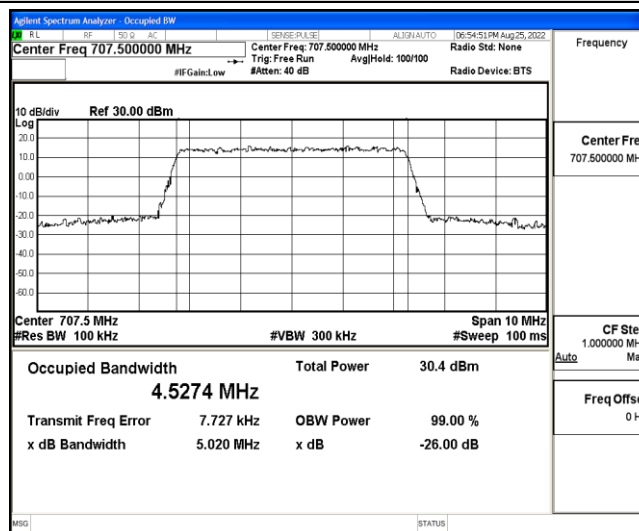
Scan code to check authenticity



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



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



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

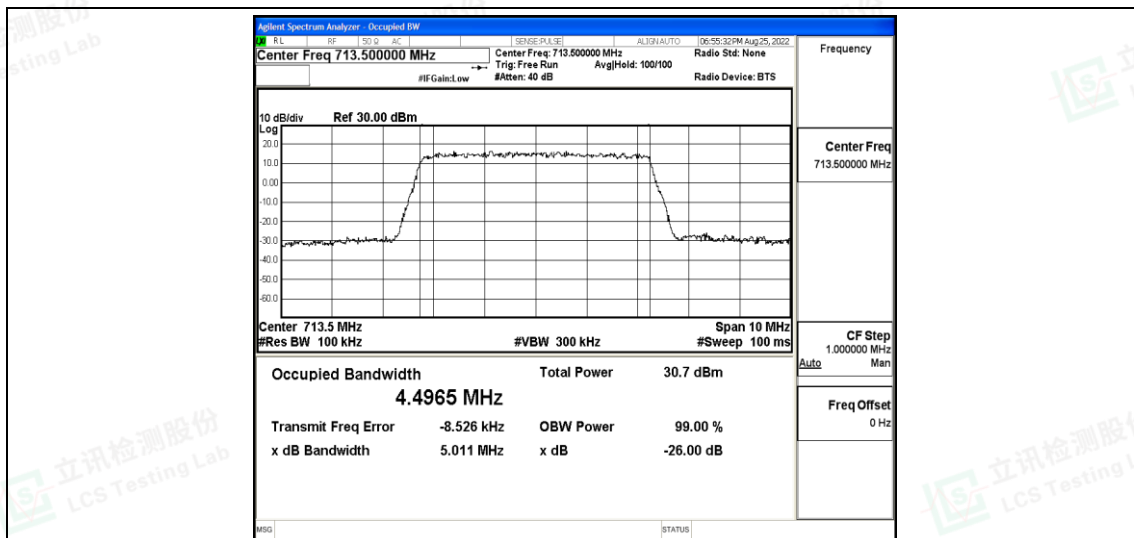


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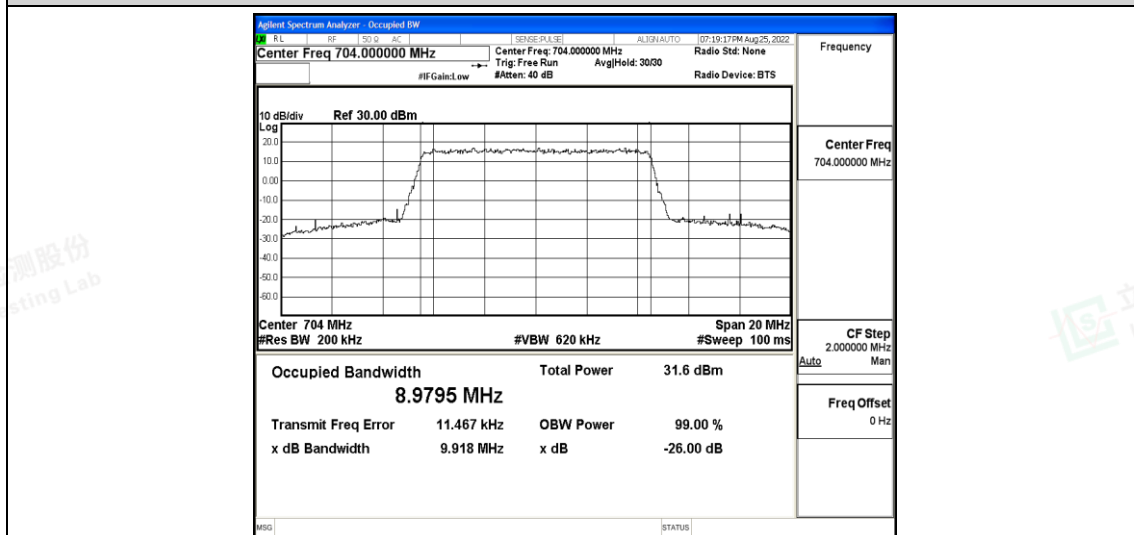
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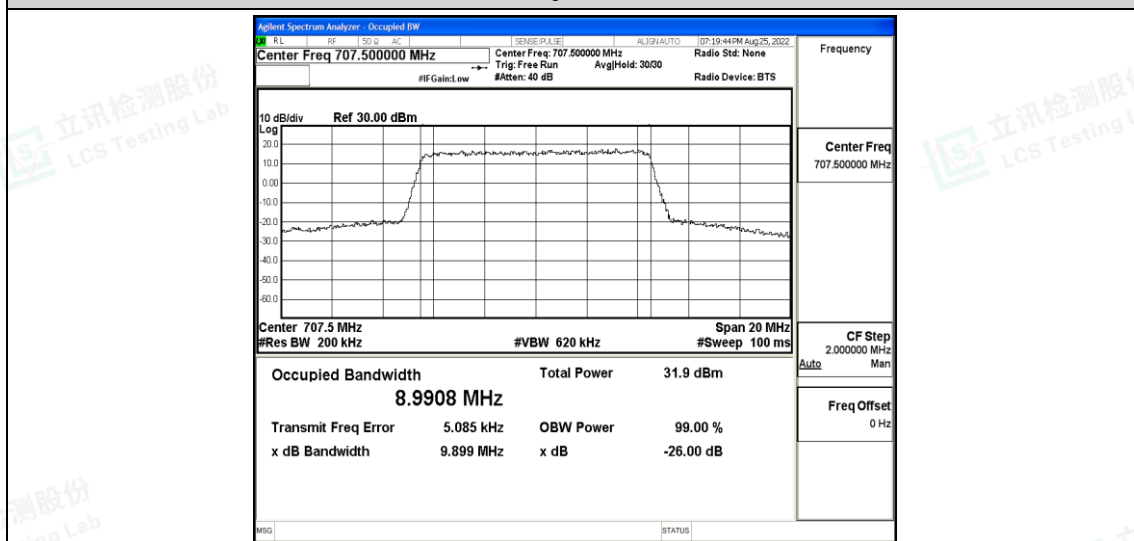
Scan code to check authenticity



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



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



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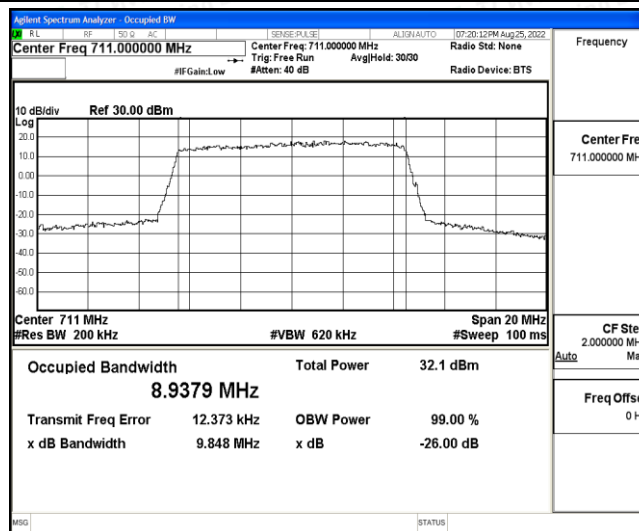
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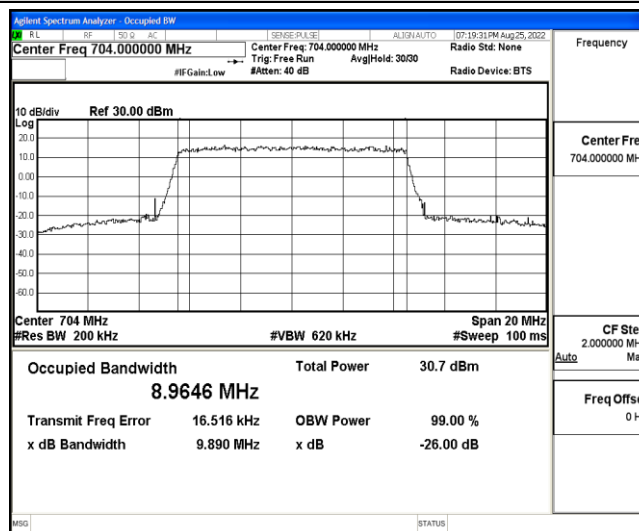
Scan code to check authenticity



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



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



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

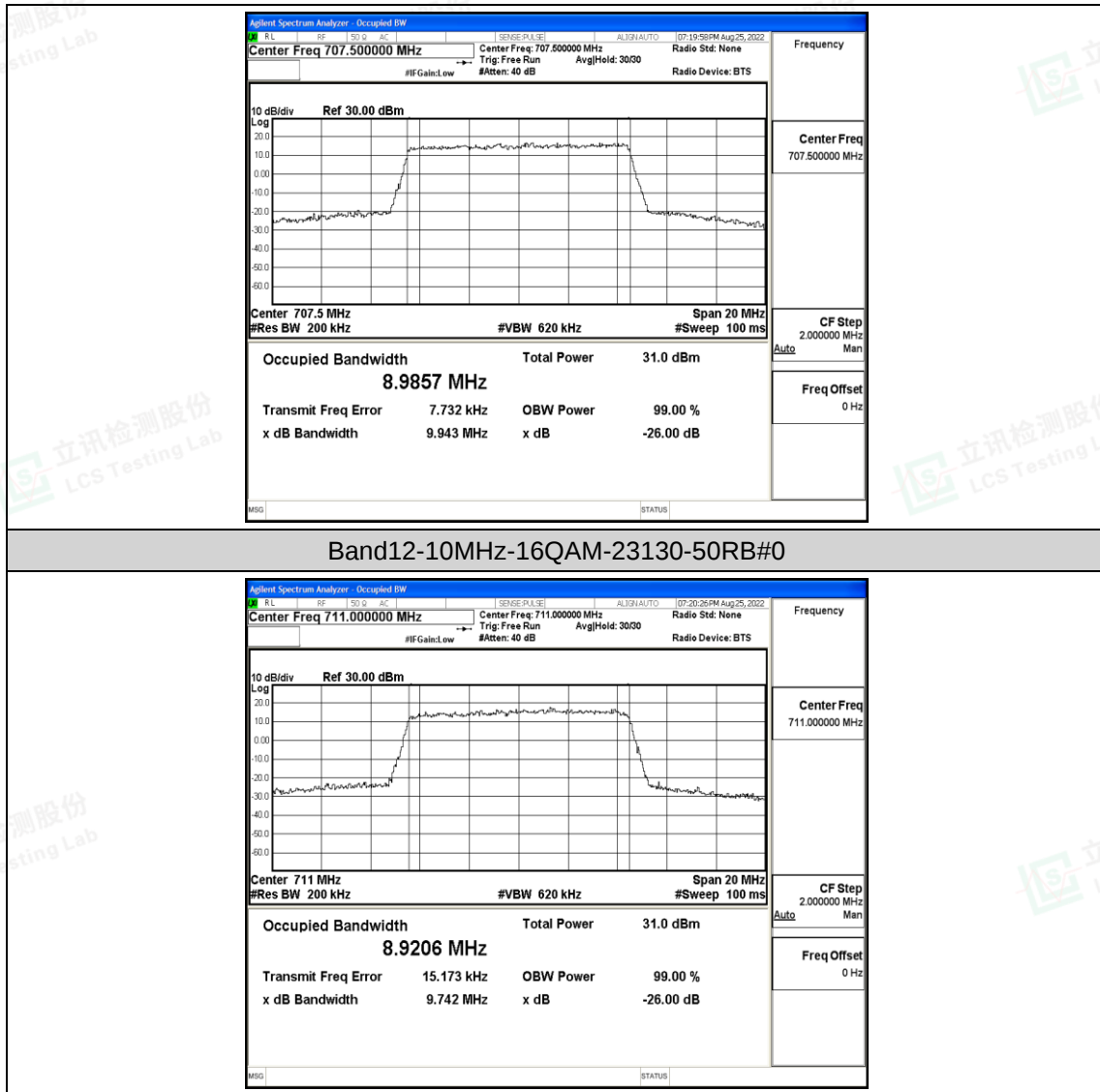


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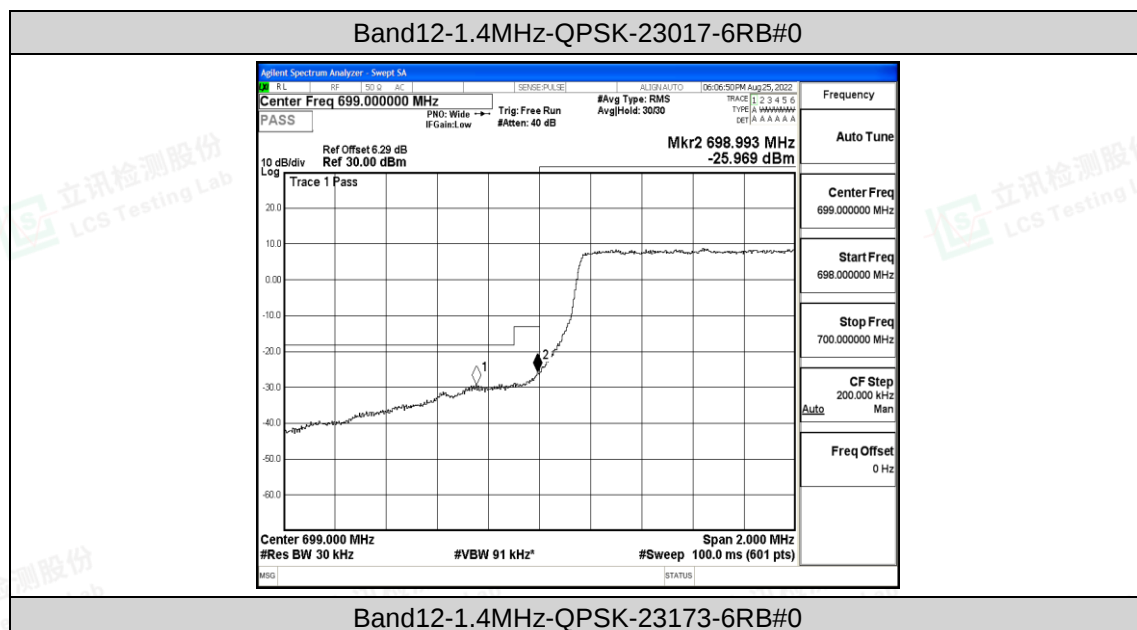


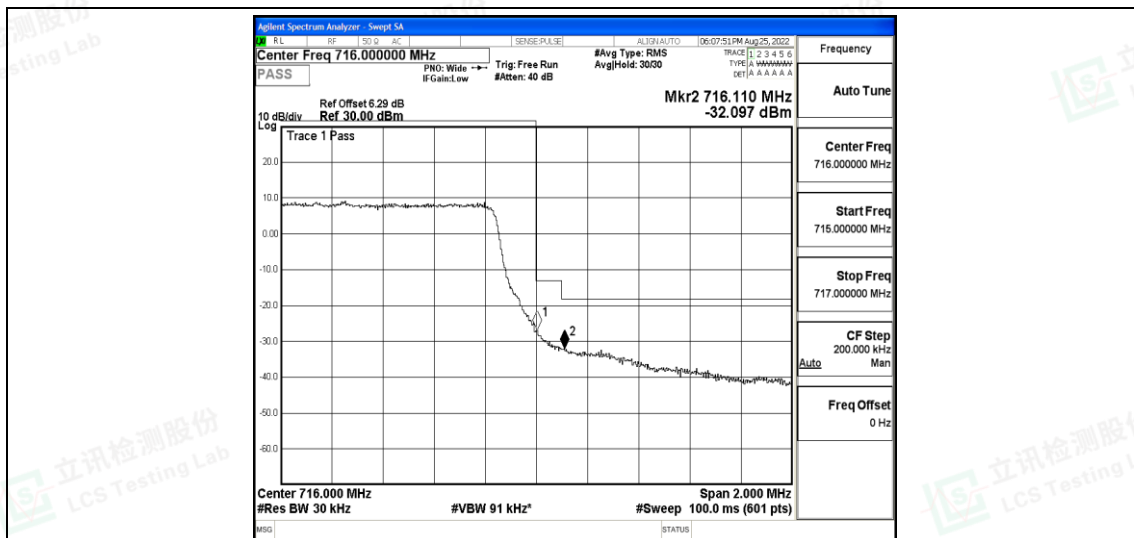
H.4 Band Edge

Test Result

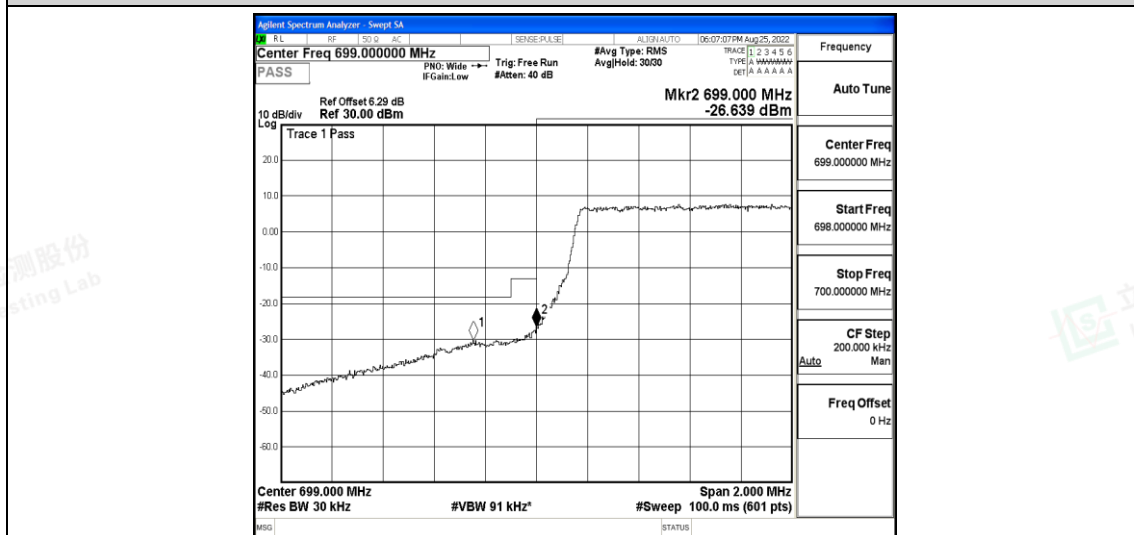
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	-29.21,-25.97	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	-26.84,-32.10	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	-30.17,-26.64	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	-28.59,-33.17	PASS
Band12	3MHz	QPSK	23025	15RB#0	-30.09,-24.23	PASS
Band12	3MHz	QPSK	23165	15RB#0	-24.54,-34.24	PASS
Band12	3MHz	16QAM	23025	15RB#0	-31.39,-26.14	PASS
Band12	3MHz	16QAM	23165	15RB#0	-27.48,-35.65	PASS
Band12	5MHz	QPSK	23035	25RB#0	-24.63	PASS
Band12	5MHz	QPSK	23155	25RB#0	-25.97	PASS
Band12	5MHz	16QAM	23035	25RB#0	-26.07	PASS
Band12	5MHz	16QAM	23155	25RB#0	-26.50	PASS
Band12	10MHz	QPSK	23060	50RB#0	-28.22,-26.91	PASS
Band12	10MHz	QPSK	23130	50RB#0	-28.29,-30.31	PASS
Band12	10MHz	16QAM	23060	50RB#0	-30.08,-28.45	PASS
Band12	10MHz	16QAM	23130	50RB#0	-29.83,-31.73	PASS

Test Graphs

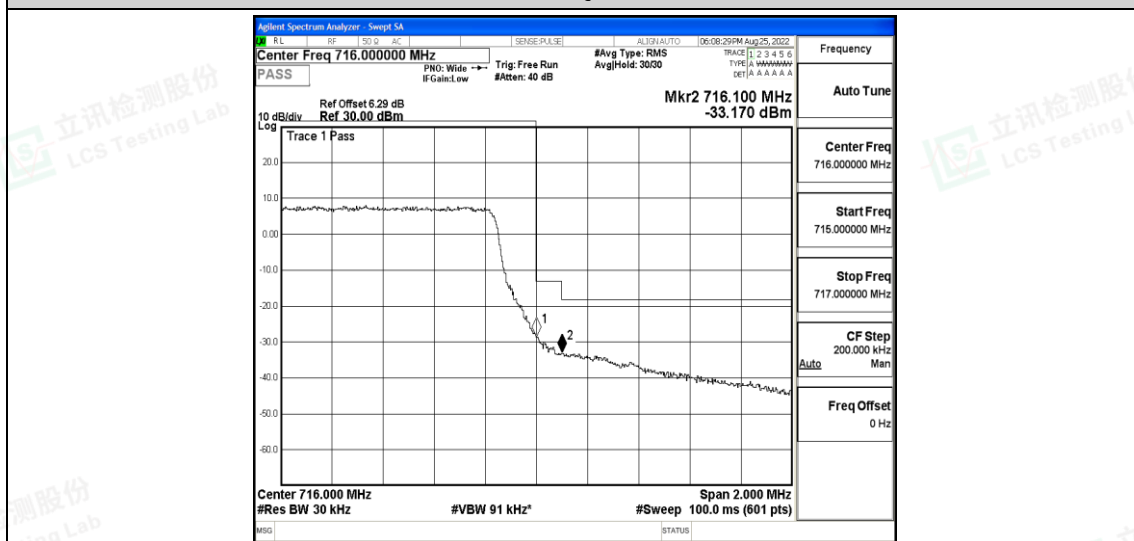




Band12-1.4MHz-16QAM-23017-6RB#0



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



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