



Appendix C: Test Data for E-UTRA Band 12

Product Name: VEHICLE GPS TRACKER

Test Model: T399L

Environmental Conditions

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





C.1 Conducted Output Power Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	22.40	PASS
Band12	1.4MHz	64QAM	23017	1RB#0	22.52	PASS
Band12	1.4MHz	QPSK	23017	1RB#2	22.50	PASS
Band12	1.4MHz	64QAM	23017	1RB#2	22.49	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	22.48	PASS
Band12	1.4MHz	64QAM	23017	1RB#5	22.47	PASS
Band12	1.4MHz	QPSK	23017	3RB#0	22.46	PASS
Band12	1.4MHz	64QAM	23017	3RB#0	22.46	PASS
Band12	1.4MHz	QPSK	23017	3RB#1	22.46	PASS
Band12	1.4MHz	64QAM	23017	3RB#1	22.51	PASS
Band12	1.4MHz	QPSK	23017	3RB#3	22.50	PASS
Band12	1.4MHz	64QAM	23017	3RB#3	22.50	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	22.50	PASS
Band12	1.4MHz	64QAM	23017	6RB#0	22.50	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	23.25	PASS
Band12	1.4MHz	64QAM	23095	1RB#0	22.96	PASS
Band12	1.4MHz	QPSK	23095	1RB#2	23.15	PASS
Band12	1.4MHz	64QAM	23095	1RB#2	23.08	PASS
Band12	1.4MHz	QPSK	23095	1RB#5	23.29	PASS
Band12	1.4MHz	64QAM	23095	1RB#5	23.50	PASS
Band12	1.4MHz	QPSK	23095	3RB#0	23.17	PASS
Band12	1.4MHz	64QAM	23095	3RB#0	22.61	PASS
Band12	1.4MHz	QPSK	23095	3RB#1	23.24	PASS
Band12	1.4MHz	64QAM	23095	3RB#1	22.61	PASS
Band12	1.4MHz	QPSK	23095	3RB#3	23.39	PASS
Band12	1.4MHz	64QAM	23095	3RB#3	22.68	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	22.50	PASS
Band12	1.4MHz	64QAM	23095	6RB#0	21.81	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	23.20	PASS
Band12	1.4MHz	64QAM	23173	1RB#0	21.89	PASS
Band12	1.4MHz	QPSK	23173	1RB#2	23.05	PASS
Band12	1.4MHz	64QAM	23173	1RB#2	21.93	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	23.10	PASS
Band12	1.4MHz	64QAM	23173	1RB#5	21.88	PASS
Band12	1.4MHz	QPSK	23173	3RB#0	23.27	PASS
Band12	1.4MHz	64QAM	23173	3RB#0	22.23	PASS
Band12	1.4MHz	QPSK	23173	3RB#1	23.27	PASS





Band12	1.4MHz	64QAM	23173	3RB#1	22.31	PASS
Band12	1.4MHz	QPSK	23173	3RB#3	23.34	PASS
Band12	1.4MHz	64QAM	23173	3RB#3	22.52	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	22.41	PASS
Band12	1.4MHz	64QAM	23173	6RB#0	21.82	PASS
Band12	3MHz	QPSK	23025	1RB#0	22.92	PASS
Band12	3MHz	64QAM	23025	1RB#0	22.05	PASS
Band12	3MHz	QPSK	23025	1RB#8	22.94	PASS
Band12	3MHz	64QAM	23025	1RB#8	22.09	PASS
Band12	3MHz	QPSK	23025	1RB#14	23.01	PASS
Band12	3MHz	64QAM	23025	1RB#14	22.10	PASS
Band12	3MHz	QPSK	23025	8RB#0	22.26	PASS
Band12	3MHz	64QAM	23025	8RB#0	21.58	PASS
Band12	3MHz	QPSK	23025	8RB#4	22.32	PASS
Band12	3MHz	64QAM	23025	8RB#4	21.70	PASS
Band12	3MHz	QPSK	23025	8RB#7	22.42	PASS
Band12	3MHz	64QAM	23025	8RB#7	21.53	PASS
Band12	3MHz	QPSK	23025	15RB#0	22.24	PASS
Band12	3MHz	64QAM	23025	15RB#0	21.49	PASS
Band12	3MHz	QPSK	23095	1RB#0	23.13	PASS
Band12	3MHz	64QAM	23095	1RB#0	22.08	PASS
Band12	3MHz	QPSK	23095	1RB#8	23.19	PASS
Band12	3MHz	64QAM	23095	1RB#8	22.05	PASS
Band12	3MHz	QPSK	23095	1RB#14	23.25	PASS
Band12	3MHz	64QAM	23095	1RB#14	22.03	PASS
Band12	3MHz	QPSK	23095	8RB#0	22.32	PASS
Band12	3MHz	64QAM	23095	8RB#0	21.76	PASS
Band12	3MHz	QPSK	23095	8RB#4	22.29	PASS
Band12	3MHz	64QAM	23095	8RB#4	21.66	PASS
Band12	3MHz	QPSK	23095	8RB#7	22.25	PASS
Band12	3MHz	64QAM	23095	8RB#7	21.63	PASS
Band12	3MHz	QPSK	23095	15RB#0	22.38	PASS
Band12	3MHz	64QAM	23095	15RB#0	21.44	PASS
Band12	3MHz	QPSK	23165	1RB#0	23.03	PASS
Band12	3MHz	64QAM	23165	1RB#0	22.75	PASS
Band12	3MHz	QPSK	23165	1RB#8	23.13	PASS
Band12	3MHz	64QAM	23165	1RB#8	22.65	PASS
Band12	3MHz	QPSK	23165	1RB#14	23.06	PASS
Band12	3MHz	64QAM	23165	1RB#14	23.01	PASS
Band12	3MHz	QPSK	23165	8RB#0	22.23	PASS
Band12	3MHz	64QAM	23165	8RB#0	21.56	PASS
Band12	3MHz	QPSK	23165	8RB#4	22.23	PASS
Band12	3MHz	64QAM	23165	8RB#4	21.56	PASS





Band12	3MHz	QPSK	23165	8RB#7	22.31	PASS
Band12	3MHz	64QAM	23165	8RB#7	21.64	PASS
Band12	3MHz	QPSK	23165	15RB#0	22.19	PASS
Band12	3MHz	64QAM	23165	15RB#0	21.44	PASS
Band12	5MHz	QPSK	23035	1RB#0	23.21	PASS
Band12	5MHz	64QAM	23035	1RB#0	21.94	PASS
Band12	5MHz	QPSK	23035	1RB#12	23.21	PASS
Band12	5MHz	64QAM	23035	1RB#12	21.88	PASS
Band12	5MHz	QPSK	23035	1RB#24	23.32	PASS
Band12	5MHz	64QAM	23035	1RB#24	21.74	PASS
Band12	5MHz	QPSK	23035	12RB#0	22.33	PASS
Band12	5MHz	64QAM	23035	12RB#0	21.51	PASS
Band12	5MHz	QPSK	23035	12RB#6	22.33	PASS
Band12	5MHz	64QAM	23035	12RB#6	21.51	PASS
Band12	5MHz	QPSK	23035	12RB#13	22.42	PASS
Band12	5MHz	64QAM	23035	12RB#13	21.44	PASS
Band12	5MHz	QPSK	23035	25RB#0	22.38	PASS
Band12	5MHz	64QAM	23035	25RB#0	21.61	PASS
Band12	5MHz	QPSK	23095	1RB#0	23.11	PASS
Band12	5MHz	64QAM	23095	1RB#0	22.65	PASS
Band12	5MHz	QPSK	23095	1RB#12	23.07	PASS
Band12	5MHz	64QAM	23095	1RB#12	22.65	PASS
Band12	5MHz	QPSK	23095	1RB#24	23.18	PASS
Band12	5MHz	64QAM	23095	1RB#24	22.65	PASS
Band12	5MHz	QPSK	23095	12RB#0	22.31	PASS
Band12	5MHz	64QAM	23095	12RB#0	21.57	PASS
Band12	5MHz	QPSK	23095	12RB#6	22.36	PASS
Band12	5MHz	64QAM	23095	12RB#6	21.42	PASS
Band12	5MHz	QPSK	23095	12RB#13	22.29	PASS
Band12	5MHz	64QAM	23095	12RB#13	21.56	PASS
Band12	5MHz	QPSK	23095	25RB#0	22.39	PASS
Band12	5MHz	64QAM	23095	25RB#0	21.58	PASS
Band12	5MHz	QPSK	23155	1RB#0	23.20	PASS
Band12	5MHz	64QAM	23155	1RB#0	22.07	PASS
Band12	5MHz	QPSK	23155	1RB#12	23.00	PASS
Band12	5MHz	64QAM	23155	1RB#12	22.11	PASS
Band12	5MHz	QPSK	23155	1RB#24	22.96	PASS
Band12	5MHz	64QAM	23155	1RB#24	22.00	PASS
Band12	5MHz	QPSK	23155	12RB#0	22.18	PASS
Band12	5MHz	64QAM	23155	12RB#0	21.36	PASS
Band12	5MHz	QPSK	23155	12RB#6	22.29	PASS
Band12	5MHz	64QAM	23155	12RB#6	21.36	PASS
Band12	5MHz	QPSK	23155	12RB#13	22.52	PASS





Band12	5MHz	64QAM	23155	12RB#13	21.54	PASS
Band12	5MHz	QPSK	23155	25RB#0	22.39	PASS
Band12	5MHz	64QAM	23155	25RB#0	21.56	PASS
Band12	10MHz	QPSK	23060	1RB#0	23.11	PASS
Band12	10MHz	64QAM	23060	1RB#0	22.54	PASS
Band12	10MHz	QPSK	23060	1RB#24	23.07	PASS
Band12	10MHz	64QAM	23060	1RB#24	22.49	PASS
Band12	10MHz	QPSK	23060	1RB#49	23.10	PASS
Band12	10MHz	64QAM	23060	1RB#49	22.13	PASS
Band12	10MHz	QPSK	23060	25RB#0	22.29	PASS
Band12	10MHz	64QAM	23060	25RB#0	21.51	PASS
Band12	10MHz	QPSK	23060	25RB#12	22.29	PASS
Band12	10MHz	64QAM	23060	25RB#12	21.51	PASS
Band12	10MHz	QPSK	23060	25RB#25	22.19	PASS
Band12	10MHz	64QAM	23060	25RB#25	21.50	PASS
Band12	10MHz	QPSK	23060	50RB#0	22.37	PASS
Band12	10MHz	64QAM	23060	50RB#0	21.60	PASS
Band12	10MHz	QPSK	23095	1RB#0	23.45	PASS
Band12	10MHz	64QAM	23095	1RB#0	22.33	PASS
Band12	10MHz	QPSK	23095	1RB#24	23.32	PASS
Band12	10MHz	64QAM	23095	1RB#24	22.43	PASS
Band12	10MHz	QPSK	23095	1RB#49	23.28	PASS
Band12	10MHz	64QAM	23095	1RB#49	21.70	PASS
Band12	10MHz	QPSK	23095	25RB#0	22.46	PASS
Band12	10MHz	64QAM	23095	25RB#0	21.61	PASS
Band12	10MHz	QPSK	23095	25RB#12	22.46	PASS
Band12	10MHz	64QAM	23095	25RB#12	21.64	PASS
Band12	10MHz	QPSK	23095	25RB#25	22.34	PASS
Band12	10MHz	64QAM	23095	25RB#25	21.57	PASS
Band12	10MHz	QPSK	23095	50RB#0	22.47	PASS
Band12	10MHz	64QAM	23095	50RB#0	21.49	PASS
Band12	10MHz	QPSK	23130	1RB#0	22.98	PASS
Band12	10MHz	64QAM	23130	1RB#0	23.03	PASS
Band12	10MHz	QPSK	23130	1RB#24	23.07	PASS
Band12	10MHz	64QAM	23130	1RB#24	23.00	PASS
Band12	10MHz	QPSK	23130	1RB#49	23.02	PASS
Band12	10MHz	64QAM	23130	1RB#49	23.01	PASS
Band12	10MHz	QPSK	23130	25RB#0	22.17	PASS
Band12	10MHz	64QAM	23130	25RB#0	21.51	PASS
Band12	10MHz	QPSK	23130	25RB#12	22.25	PASS
Band12	10MHz	64QAM	23130	25RB#12	21.52	PASS
Band12	10MHz	QPSK	23130	25RB#25	22.37	PASS
Band12	10MHz	64QAM	23130	25RB#25	21.48	PASS





Band12	10MHz	QPSK	23130	50RB#0	22.21	PASS
Band12	10MHz	64QAM	23130	50RB#0	21.54	PASS





C.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	4.67	13	PASS
Band12	1.4MHz	64QAM	23017	1RB#0	5.21	13	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	5.29	13	PASS
Band12	1.4MHz	64QAM	23017	6RB#0	6.01	13	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	4.73	13	PASS
Band12	1.4MHz	64QAM	23095	1RB#0	5.25	13	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	5.33	13	PASS
Band12	1.4MHz	64QAM	23095	6RB#0	6.05	13	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	4.14	13	PASS
Band12	1.4MHz	64QAM	23173	1RB#0	4.71	13	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	4.78	13	PASS
Band12	1.4MHz	64QAM	23173	6RB#0	5.49	13	PASS
Band12	3MHz	QPSK	23025	1RB#0	4.79	13	PASS
Band12	3MHz	64QAM	23025	1RB#0	5.63	13	PASS
Band12	3MHz	QPSK	23025	15RB#0	5.37	13	PASS
Band12	3MHz	64QAM	23025	15RB#0	6.04	13	PASS
Band12	3MHz	QPSK	23095	1RB#0	4.79	13	PASS
Band12	3MHz	64QAM	23095	1RB#0	5.60	13	PASS
Band12	3MHz	QPSK	23095	15RB#0	5.36	13	PASS
Band12	3MHz	64QAM	23095	15RB#0	6.12	13	PASS
Band12	3MHz	QPSK	23165	1RB#0	4.47	13	PASS
Band12	3MHz	64QAM	23165	1RB#0	5.24	13	PASS
Band12	3MHz	QPSK	23165	15RB#0	4.93	13	PASS
Band12	3MHz	64QAM	23165	15RB#0	5.70	13	PASS
Band12	5MHz	QPSK	23035	1RB#0	4.84	13	PASS
Band12	5MHz	64QAM	23035	1RB#0	5.59	13	PASS
Band12	5MHz	QPSK	23035	25RB#0	5.49	13	PASS
Band12	5MHz	64QAM	23035	25RB#0	6.13	13	PASS
Band12	5MHz	QPSK	23095	1RB#0	4.84	13	PASS
Band12	5MHz	64QAM	23095	1RB#0	5.61	13	PASS
Band12	5MHz	QPSK	23095	25RB#0	5.51	13	PASS
Band12	5MHz	64QAM	23095	25RB#0	6.14	13	PASS
Band12	5MHz	QPSK	23155	1RB#0	4.78	13	PASS
Band12	5MHz	64QAM	23155	1RB#0	5.47	13	PASS
Band12	5MHz	QPSK	23155	25RB#0	5.28	13	PASS
Band12	5MHz	64QAM	23155	25RB#0	5.90	13	PASS



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Scan code to check authenticity

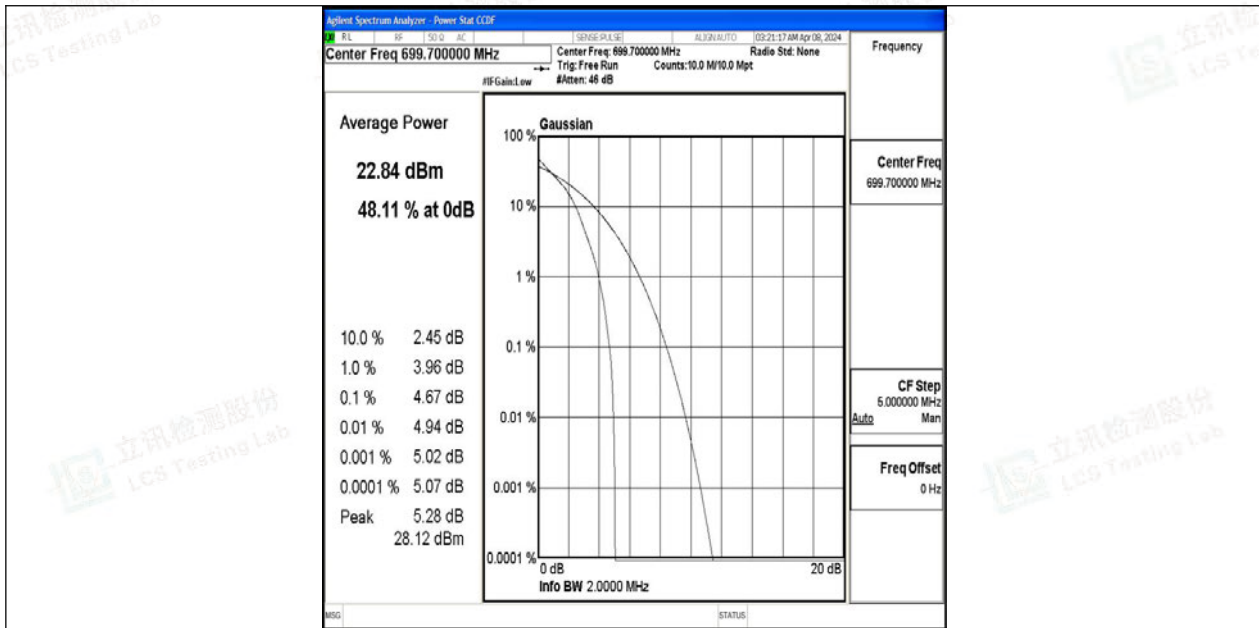


Band12	10MHz	QPSK	23060	1RB#0	4.75	13	PASS
Band12	10MHz	64QAM	23060	1RB#0	5.40	13	PASS
Band12	10MHz	QPSK	23060	50RB#0	5.49	13	PASS
Band12	10MHz	64QAM	23060	50RB#0	6.17	13	PASS
Band12	10MHz	QPSK	23095	1RB#0	4.82	13	PASS
Band12	10MHz	64QAM	23095	1RB#0	5.51	13	PASS
Band12	10MHz	QPSK	23095	50RB#0	5.52	13	PASS
Band12	10MHz	64QAM	23095	50RB#0	6.17	13	PASS
Band12	10MHz	QPSK	23130	1RB#0	4.79	13	PASS
Band12	10MHz	64QAM	23130	1RB#0	5.60	13	PASS
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Band12	10MHz	64QAM	23130	50RB#0	6.10	13	PASS

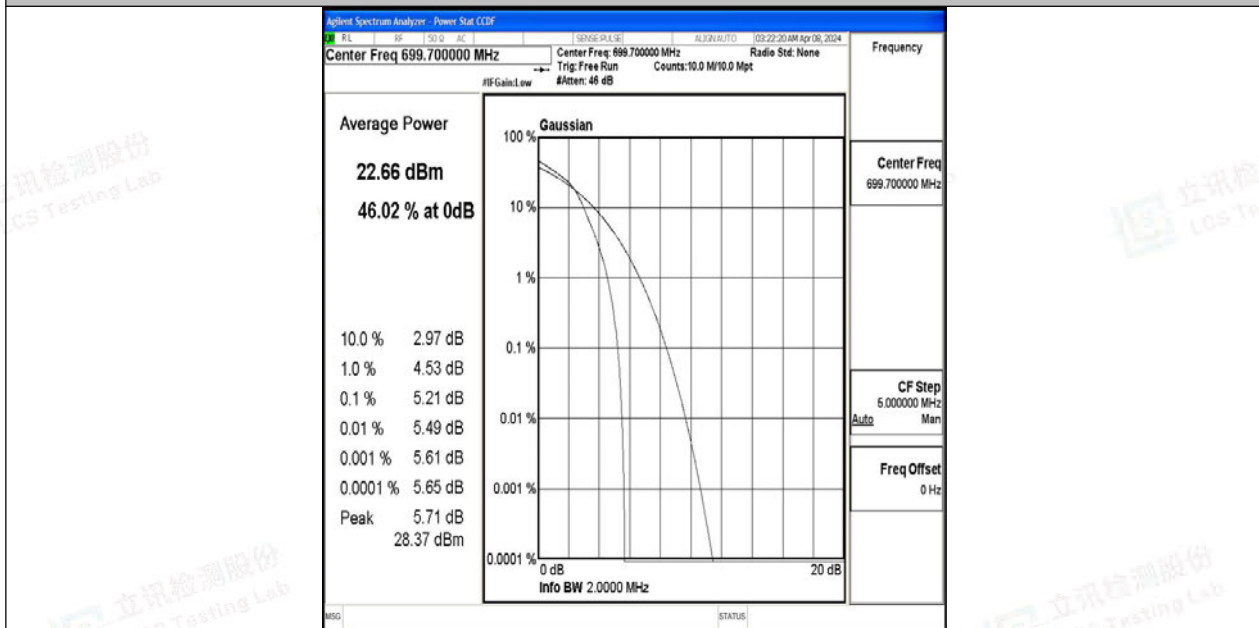




Test Graphs

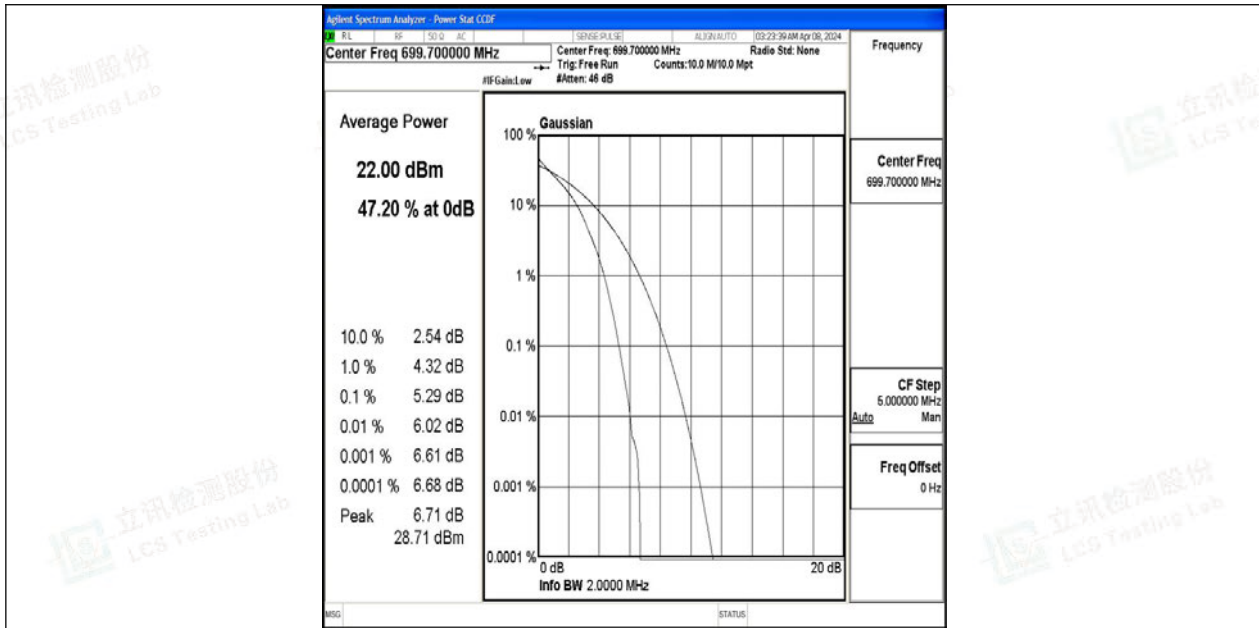


Band12-1.4MHz-QPSK-23017-1RB#0-PASS

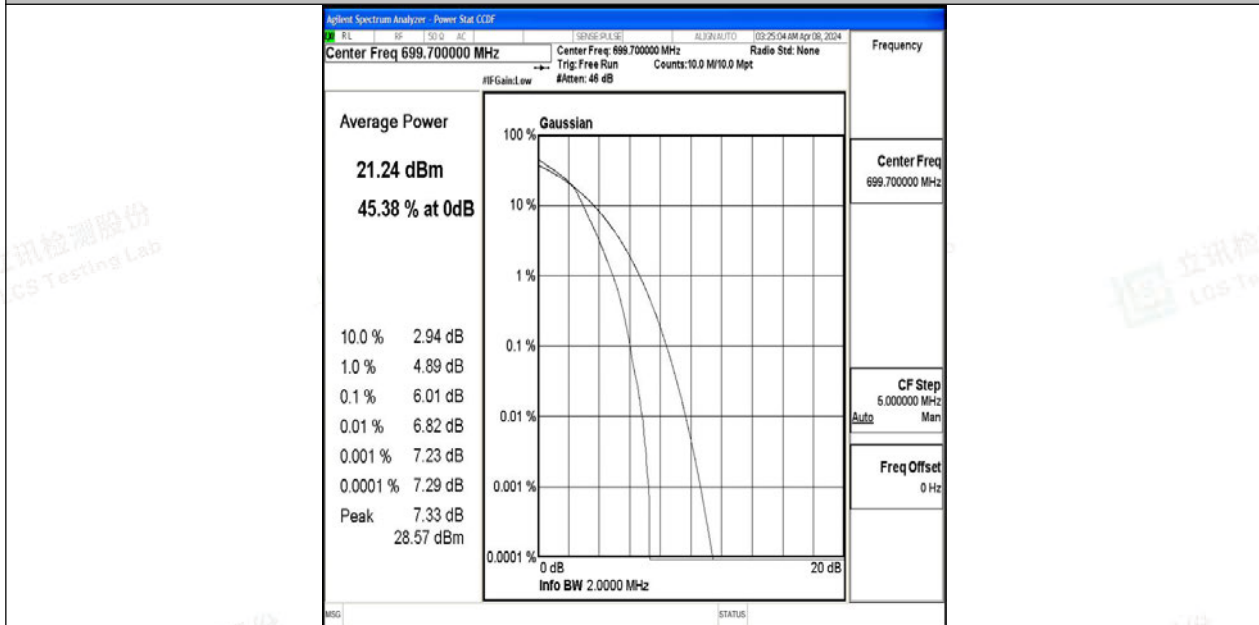


Band12-1.4MHz-64QAM-23017-1RB#0-PASS



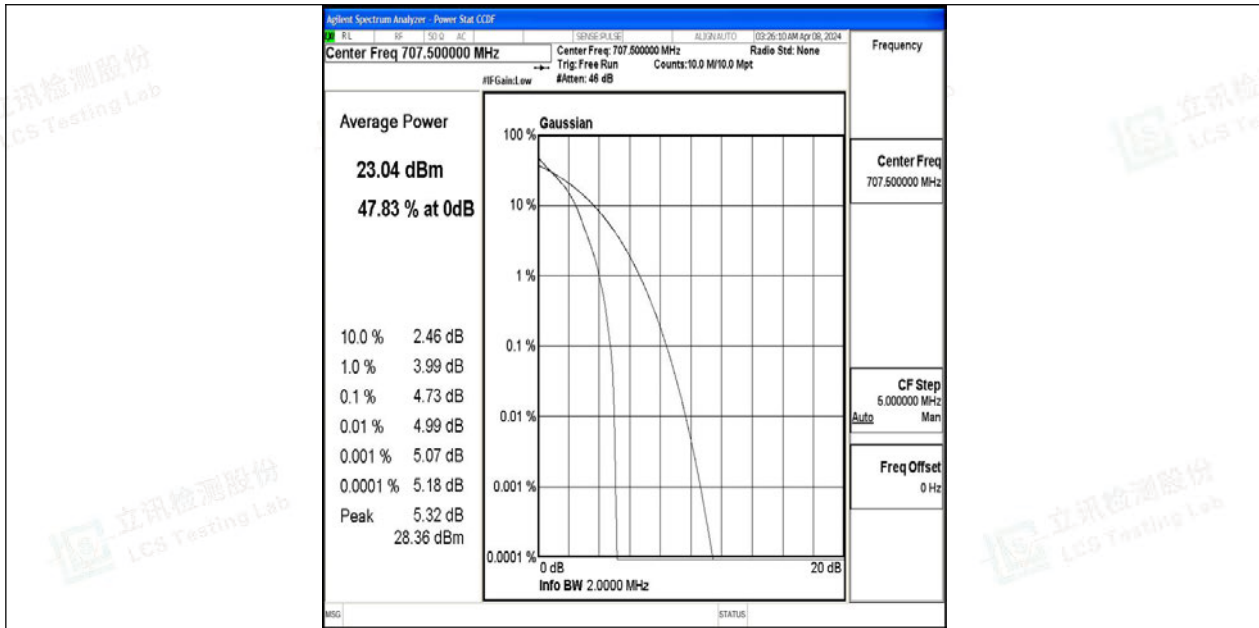


Band12-1.4MHz-QPSK-23017-6RB#0-PASS

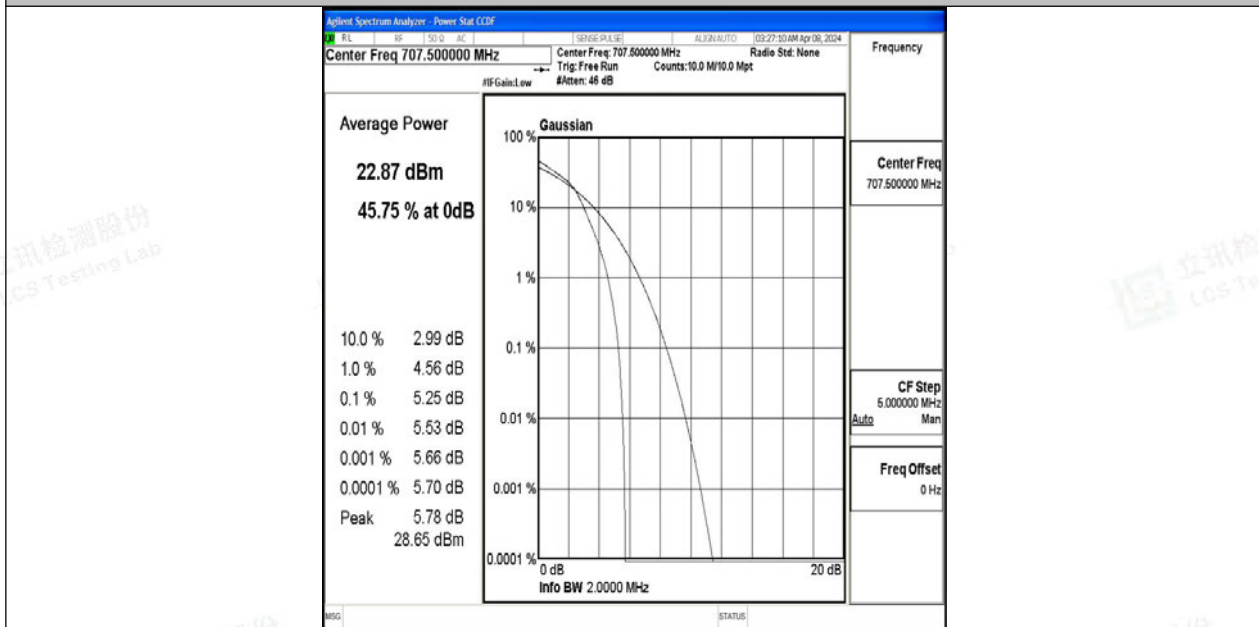


Band12-1.4MHz-64QAM-23017-6RB#0-PASS



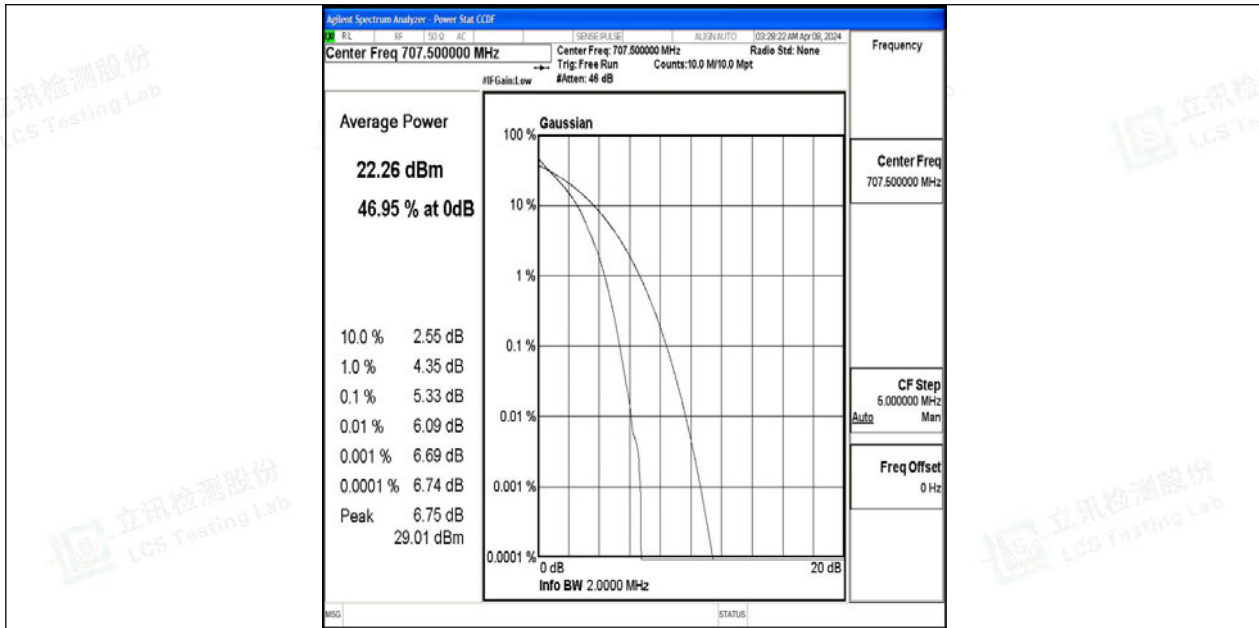


Band12-1.4MHz-QPSK-23095-1RB#0-PASS

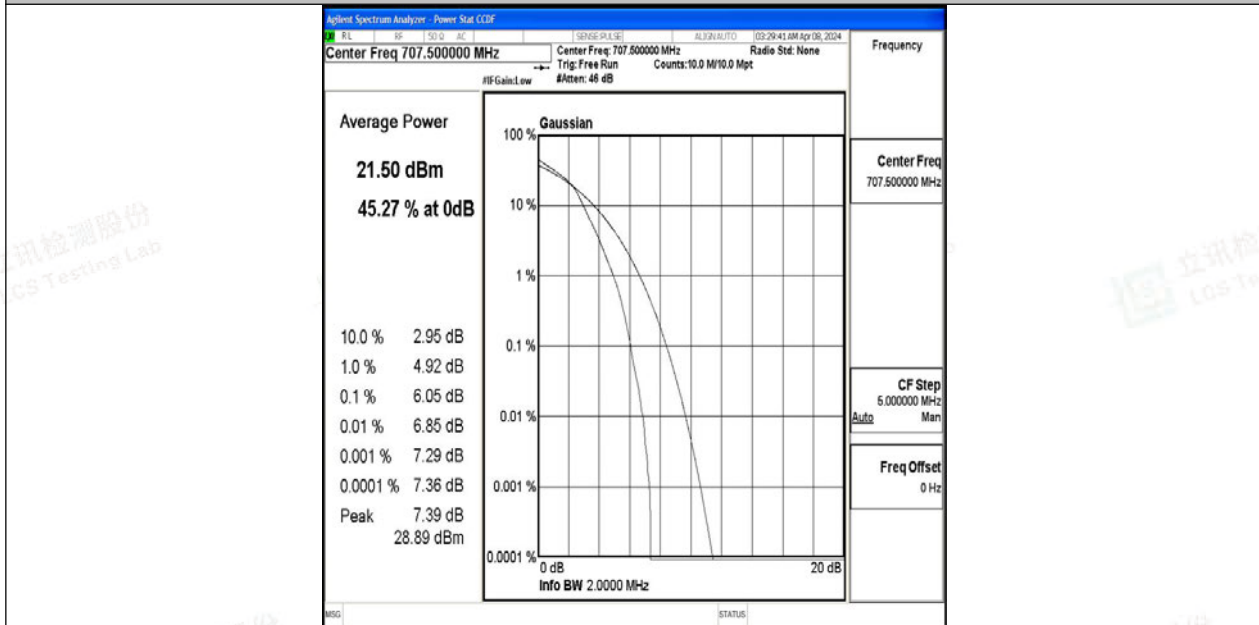


Band12-1.4MHz-64QAM-23095-1RB#0-PASS



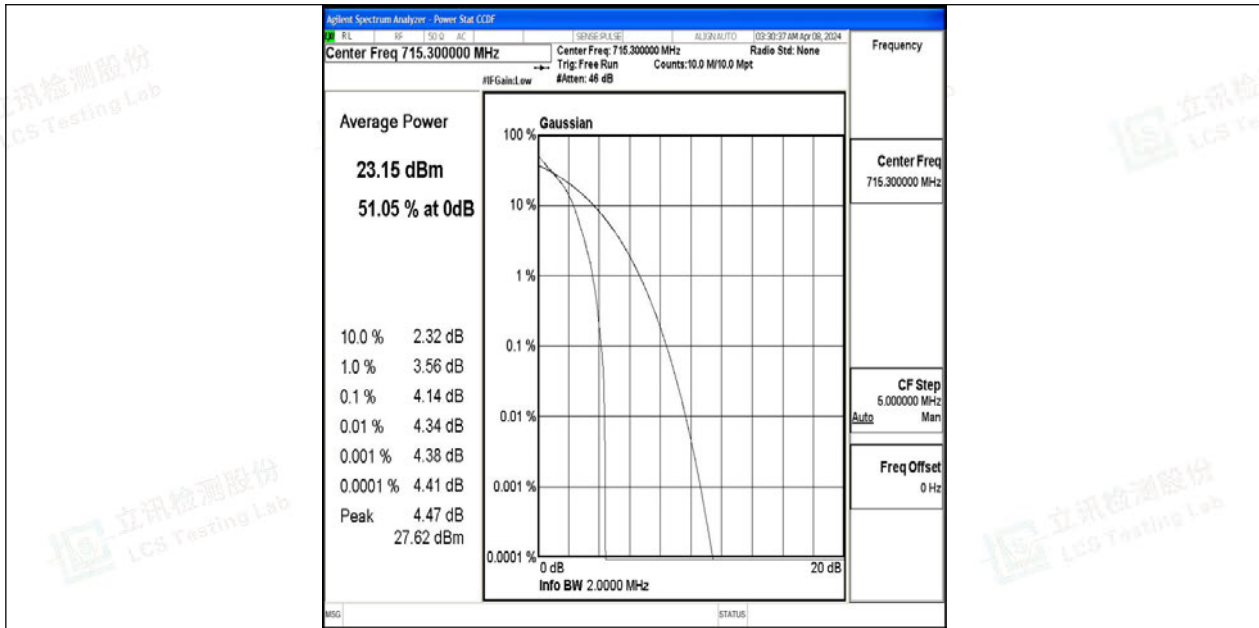


Band12-1.4MHz-QPSK-23095-6RB#0-PASS

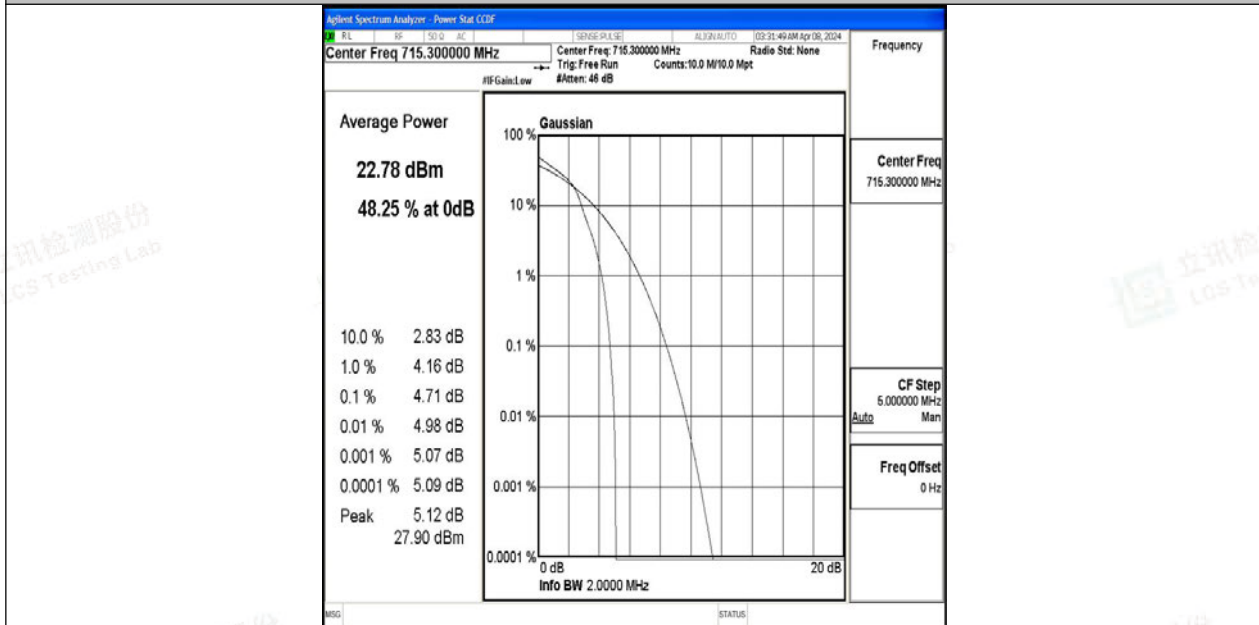


Band12-1.4MHz-64QAM-23095-6RB#0-PASS



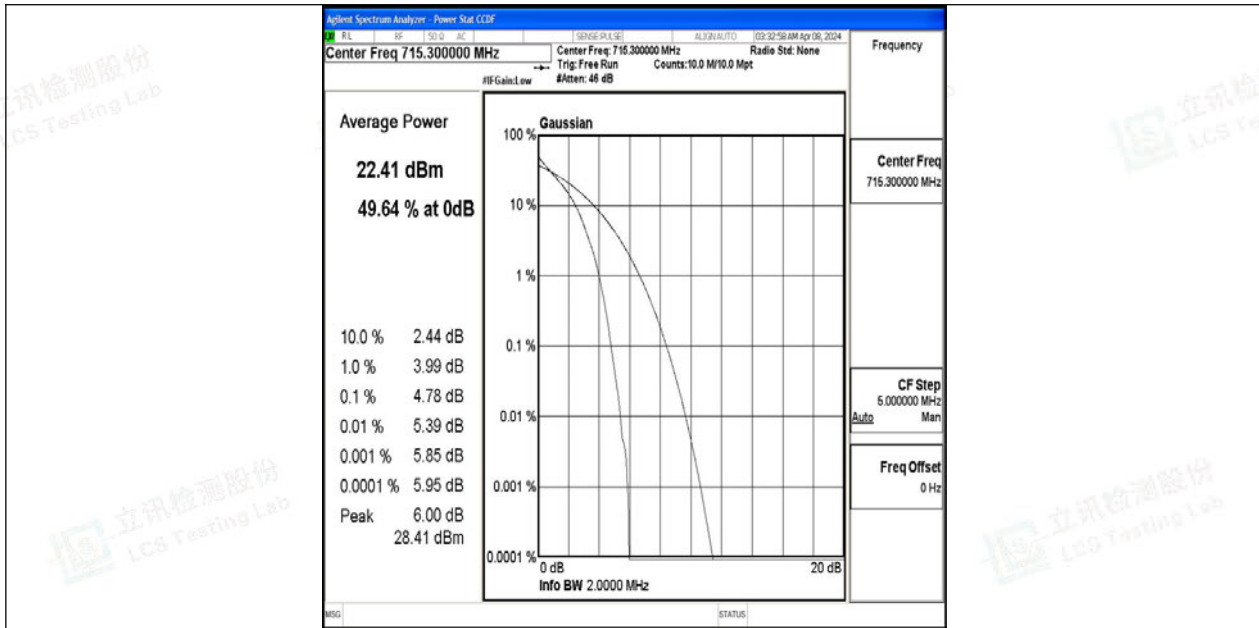


Band12-1.4MHz-QPSK-23173-1RB#0-PASS

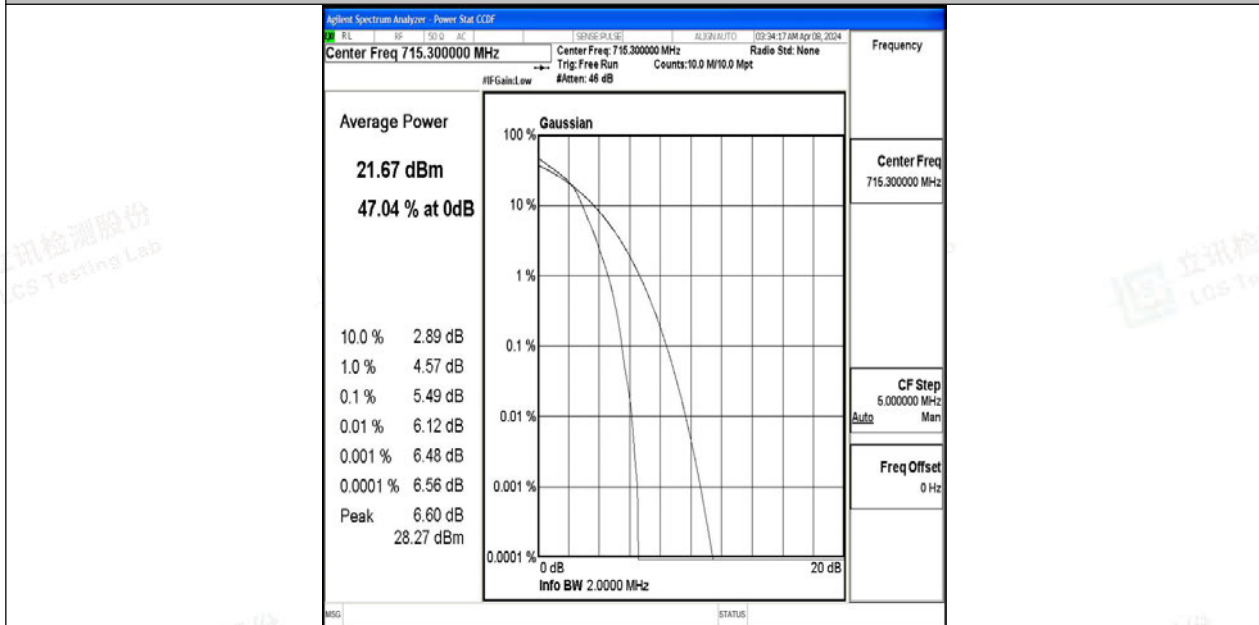


Band12-1.4MHz-64QAM-23173-1RB#0-PASS



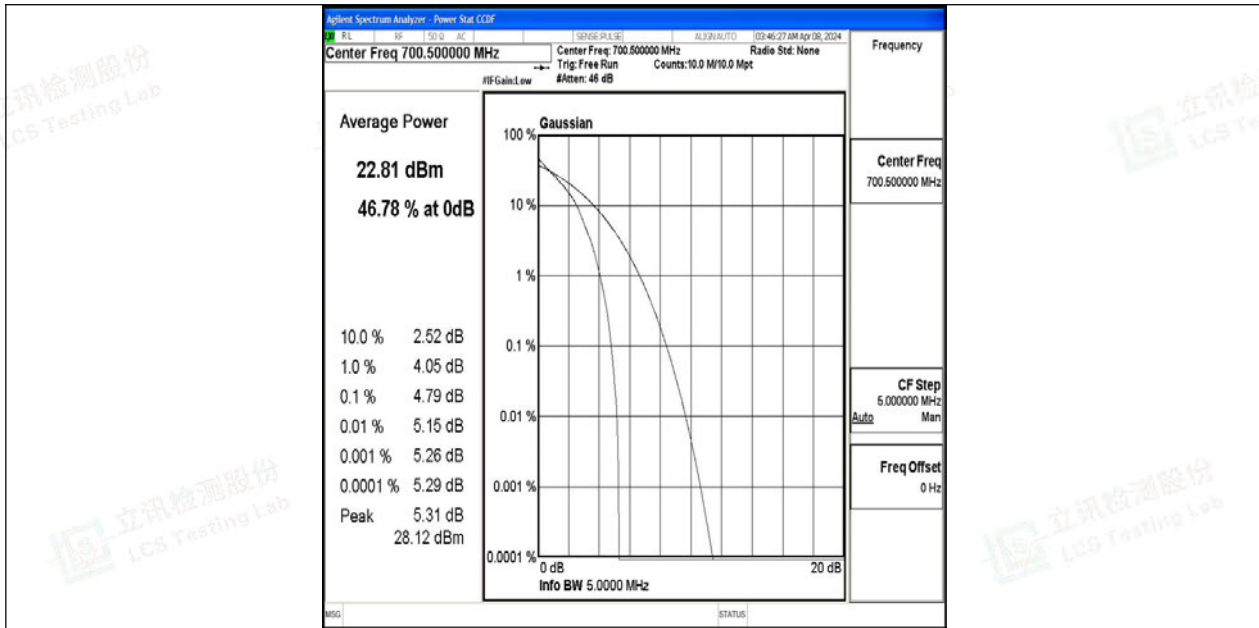


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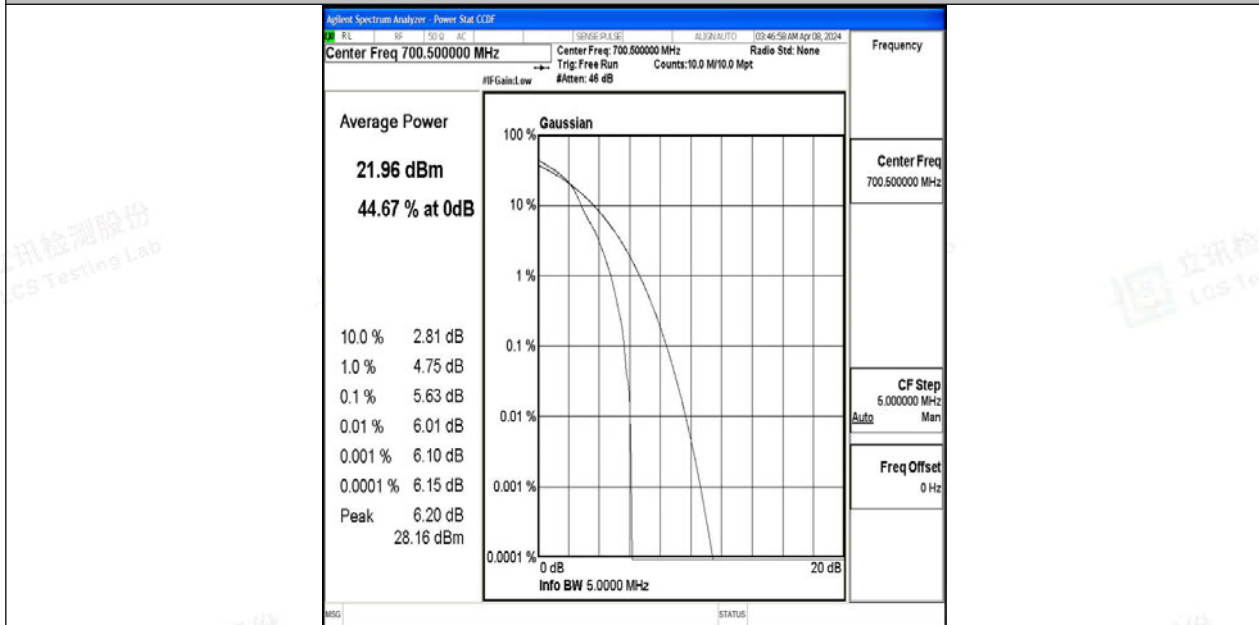


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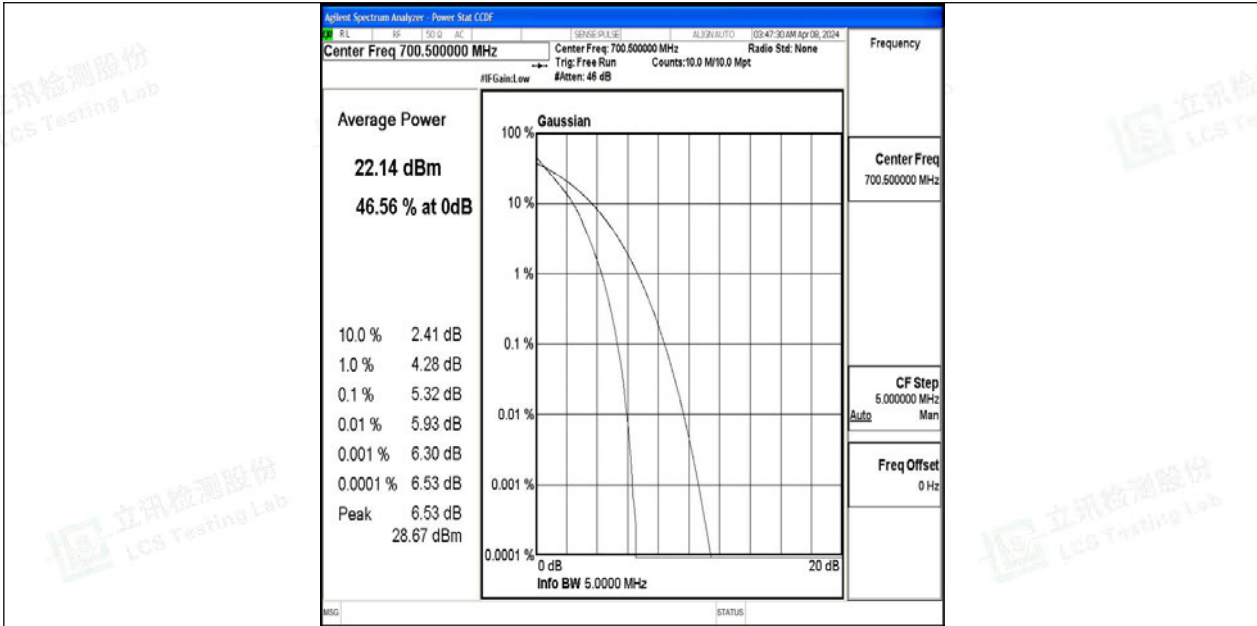


Band12-3MHz-QPSK-23025-1RB#0-PASS

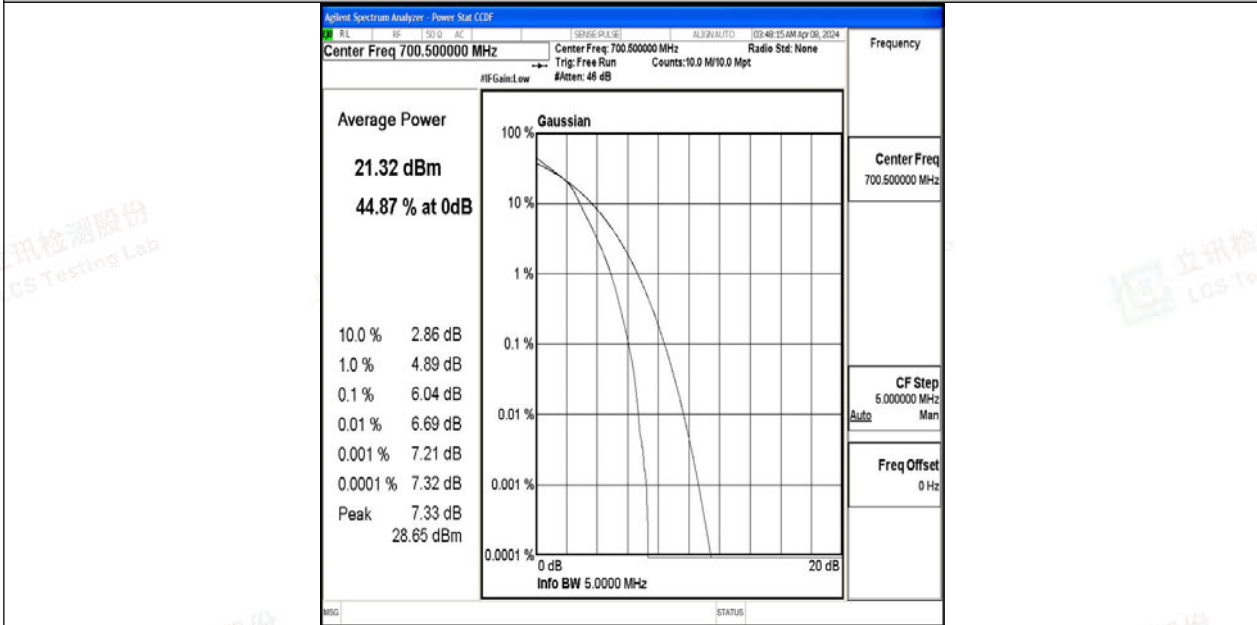


Band12-3MHz-64QAM-23025-1RB#0-PASS



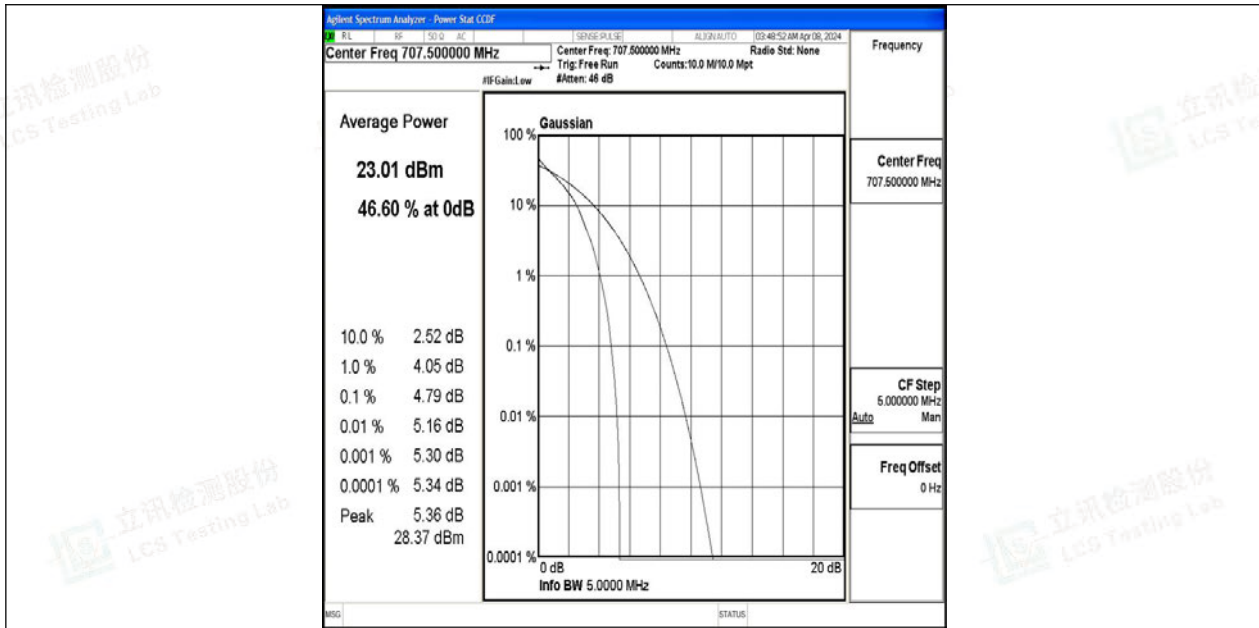


Band12-3MHz-QPSK-23025-15RB#0-PASS

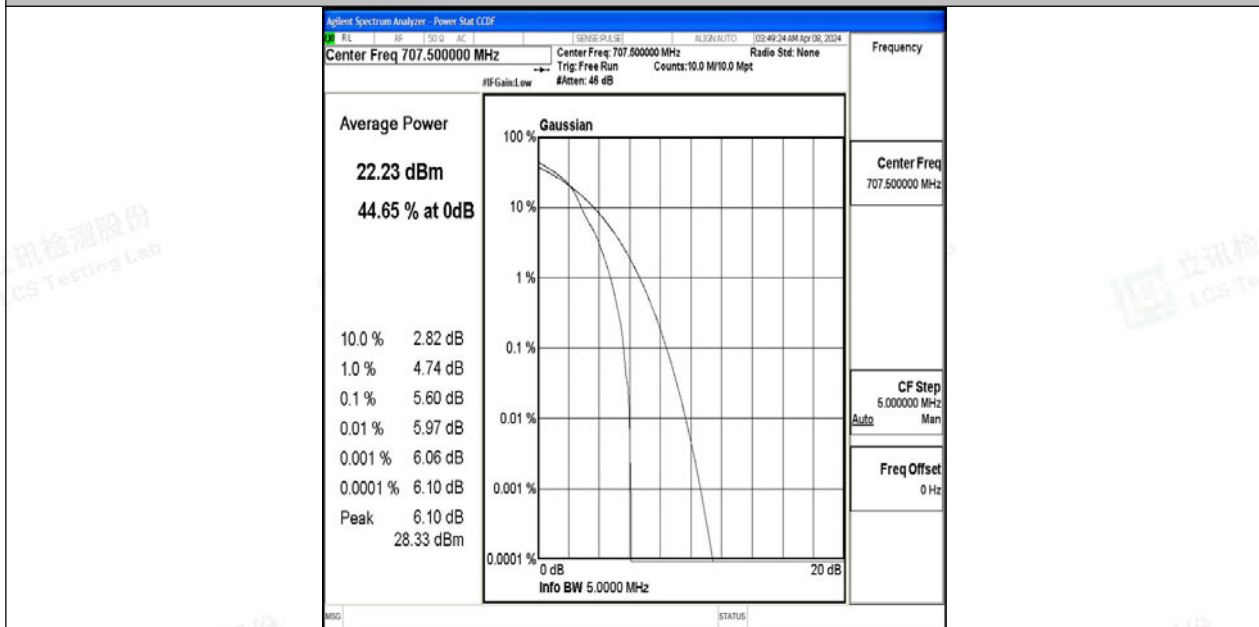


Band12-3MHz-64QAM-23025-15RB#0-PASS

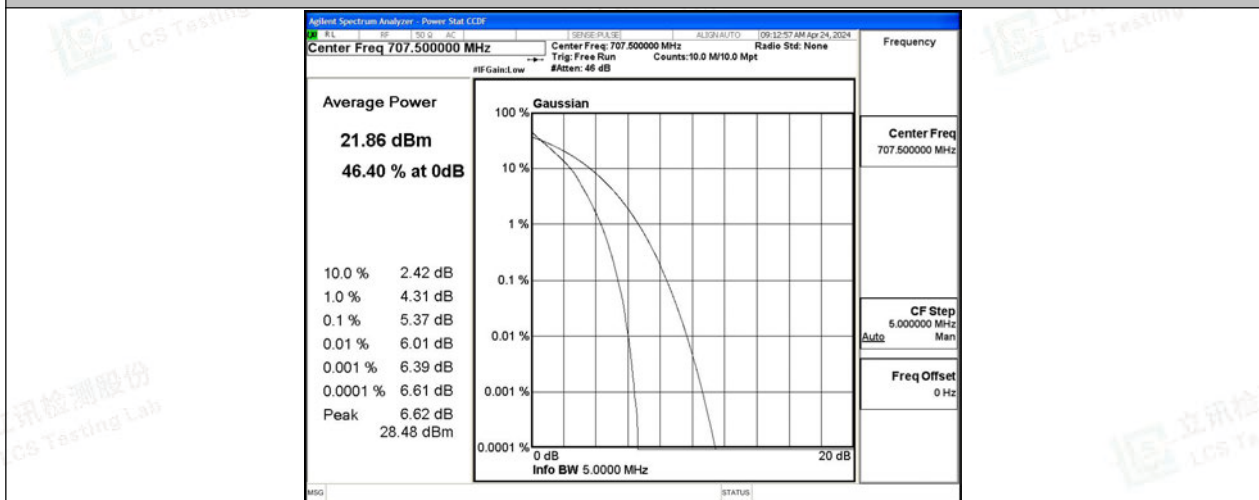




Band12-3MHz-QPSK-23095-1RB#0-PASS

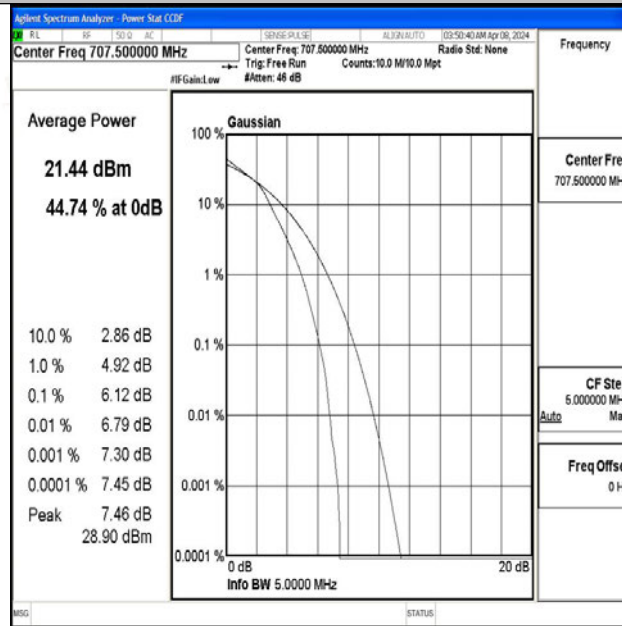


Band12-3MHz-64QAM-23095-1RB#0-PASS

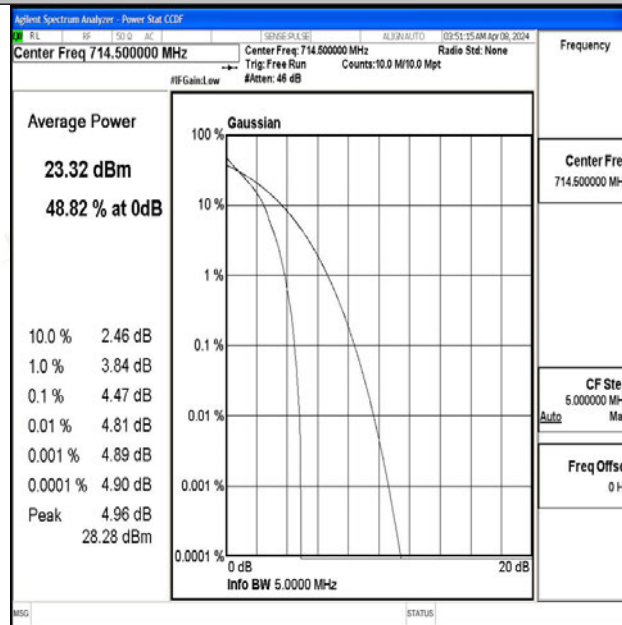




Band12-3MHz-QPSK-23095-15RB#0-PASS

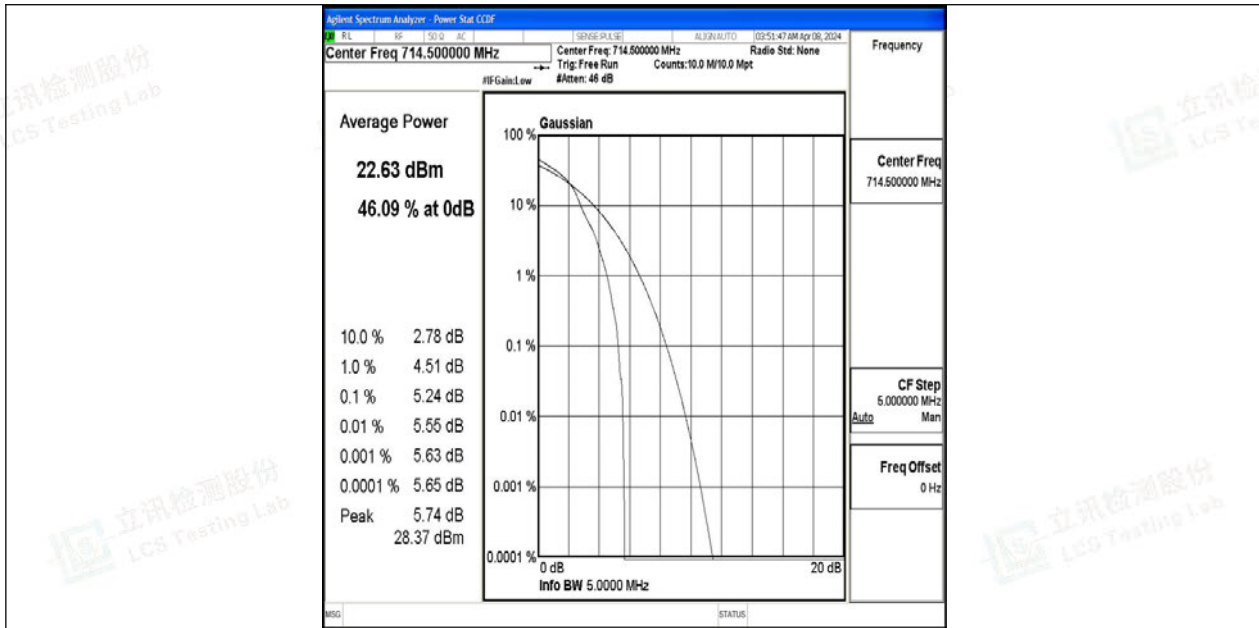


Band12-3MHz-64QAM-23095-15RB#0-PASS

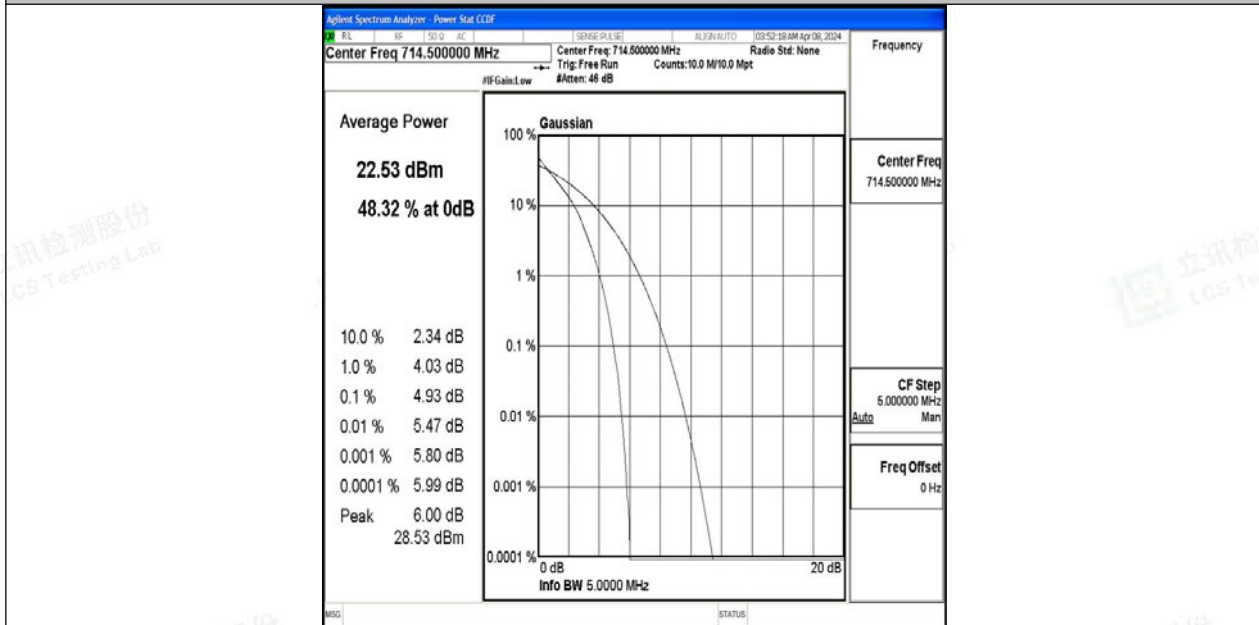


Band12-3MHz-QPSK-23165-1RB#0-PASS



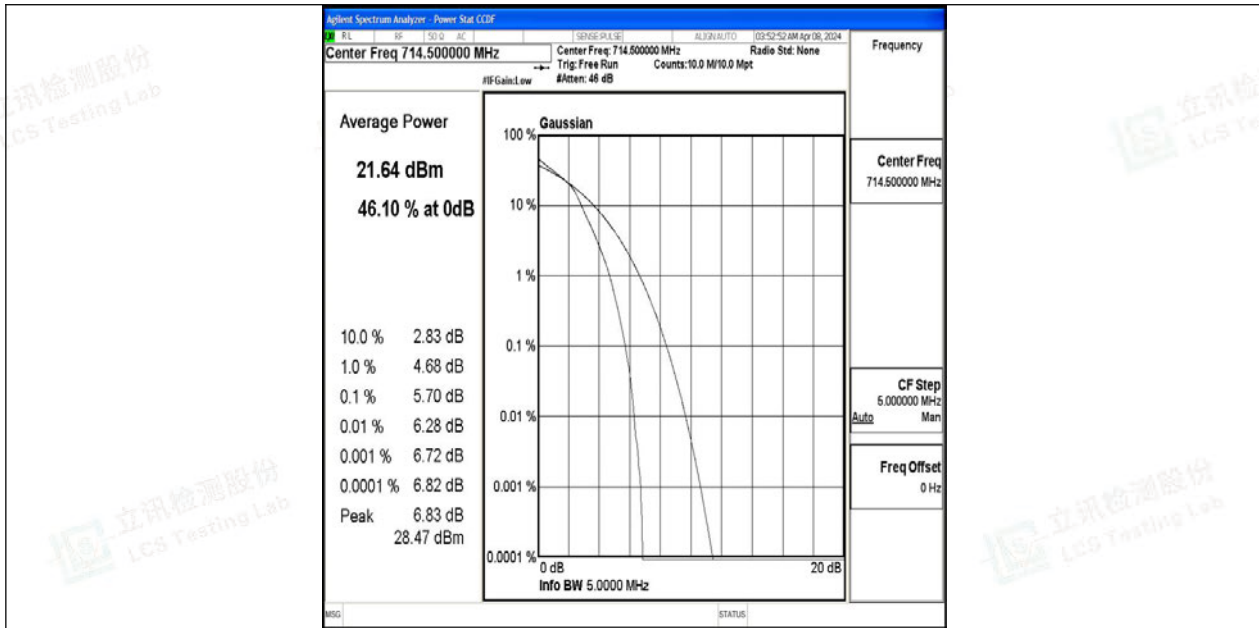


Band12-3MHz-64QAM-23165-1RB#0-PASS

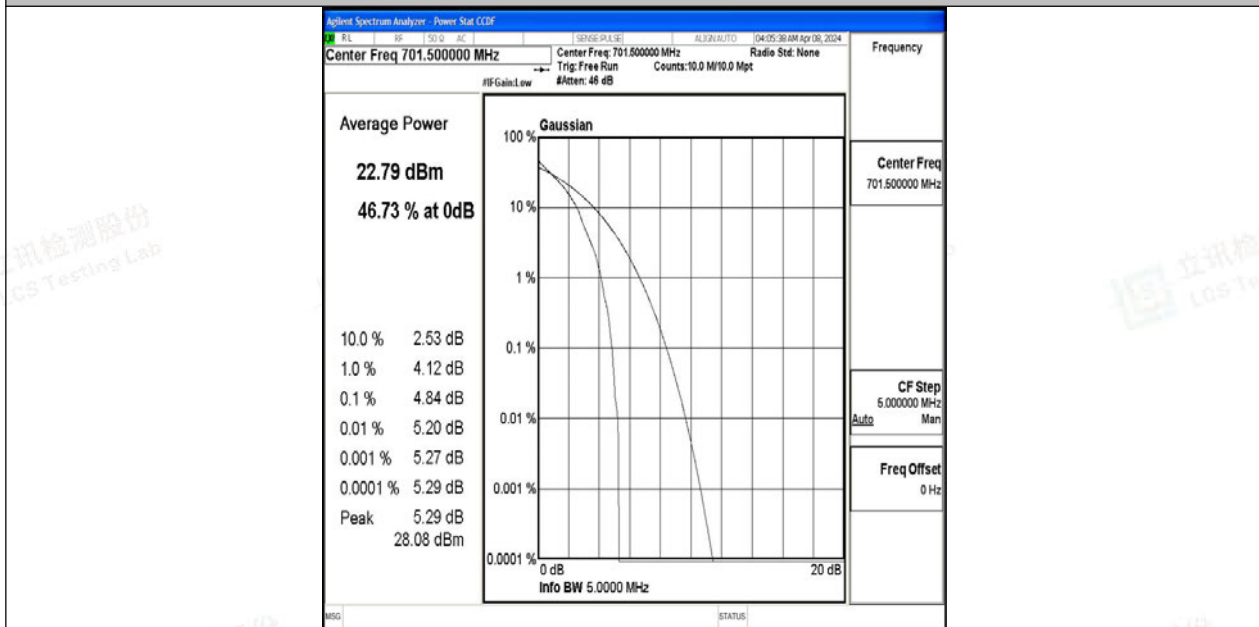


Band12-3MHz-QPSK-23165-15RB#0-PASS



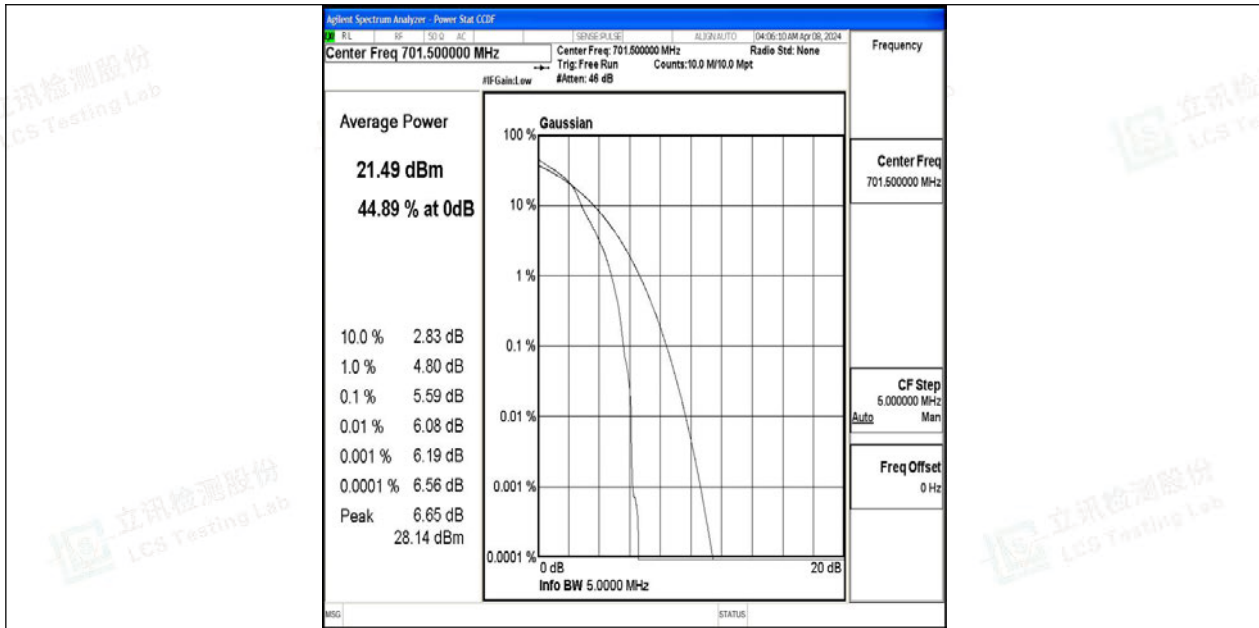


Band12-3MHz-64QAM-23165-15RB#0-PASS

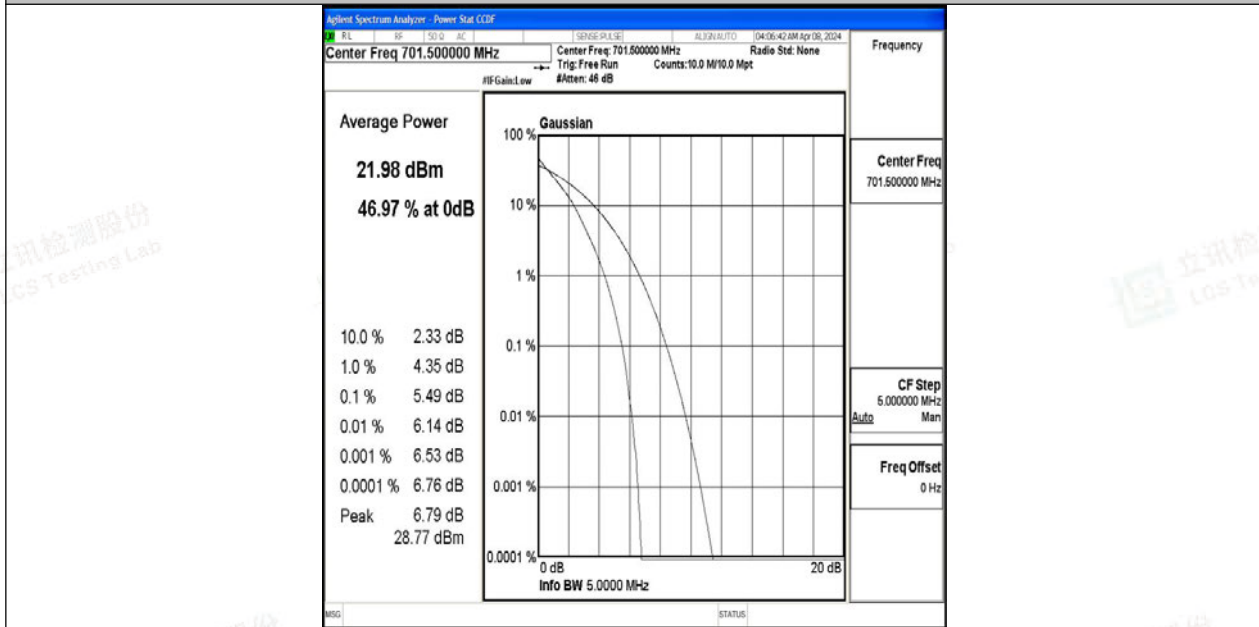


Band12-5MHz-QPSK-23035-1RB#0-PASS



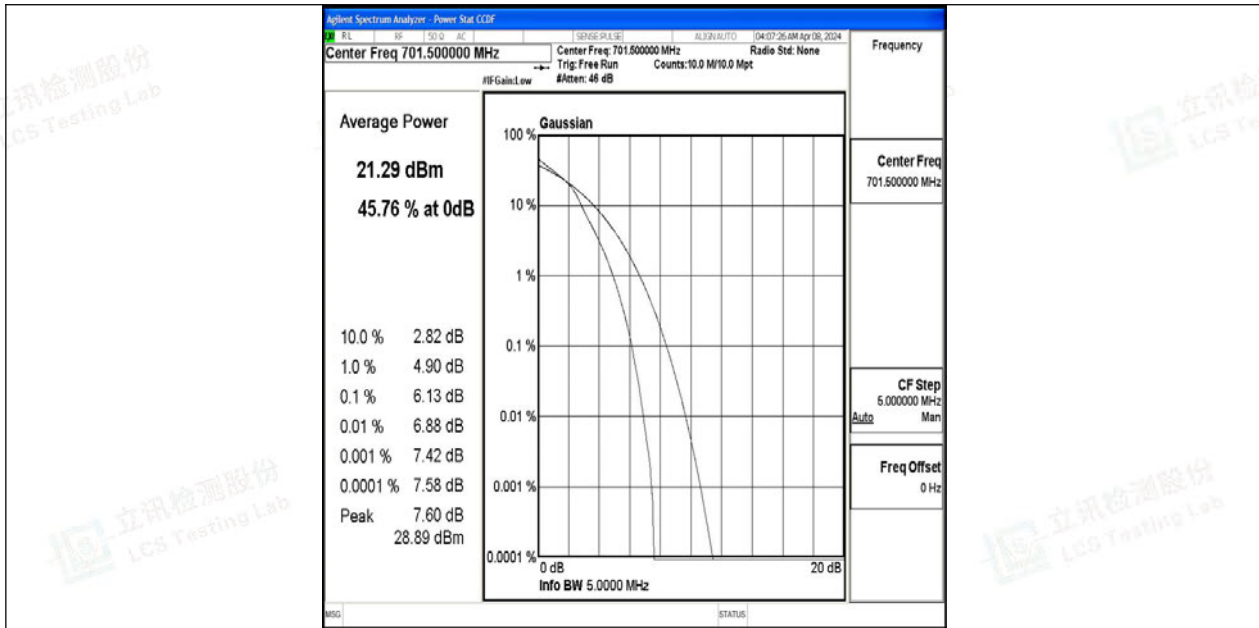


Band12-5MHz-64QAM-23035-1RB#0-PASS

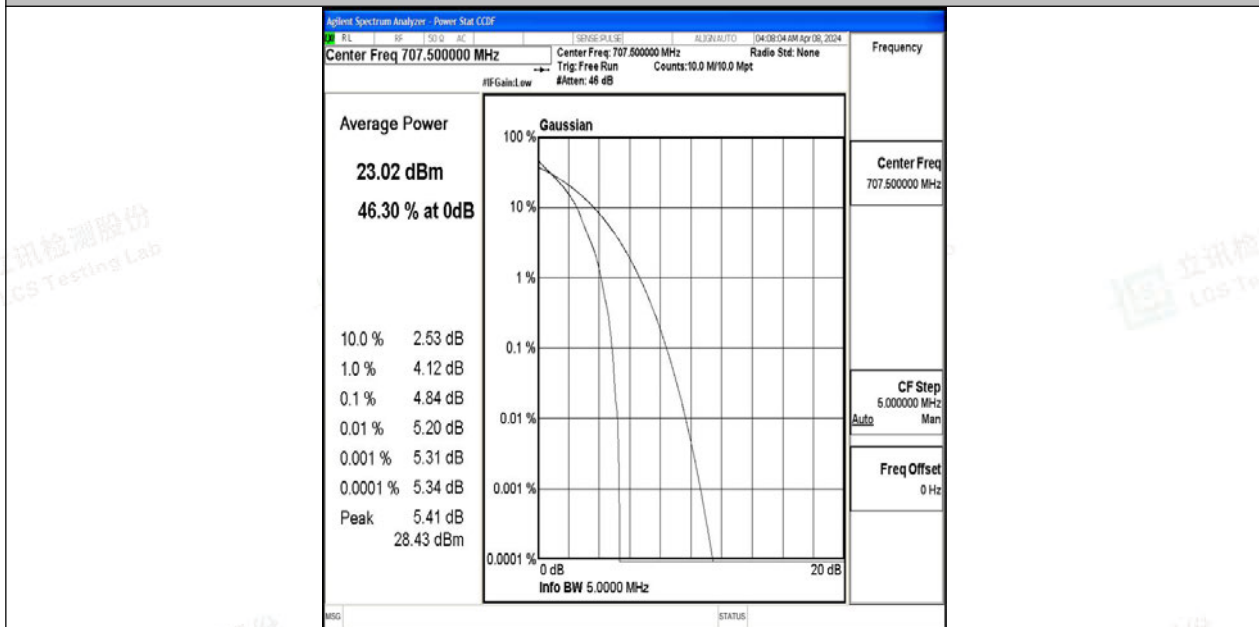


Band12-5MHz-QPSK-23035-25RB#0-PASS



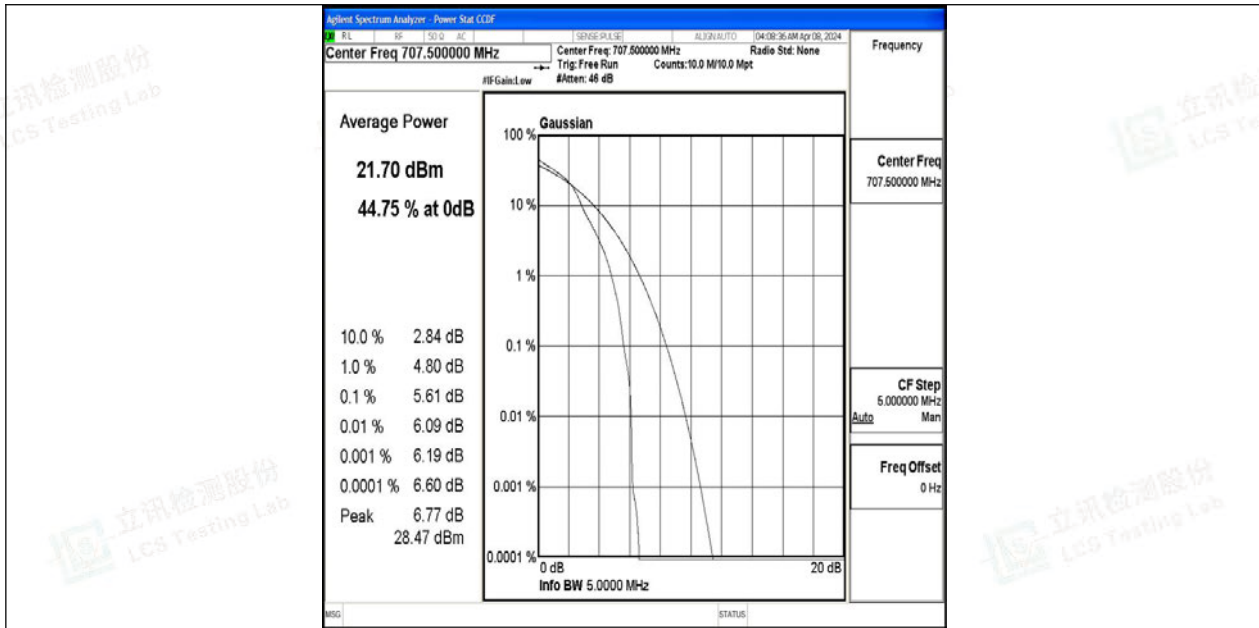


Band12-5MHz-64QAM-23035-25RB#0-PASS

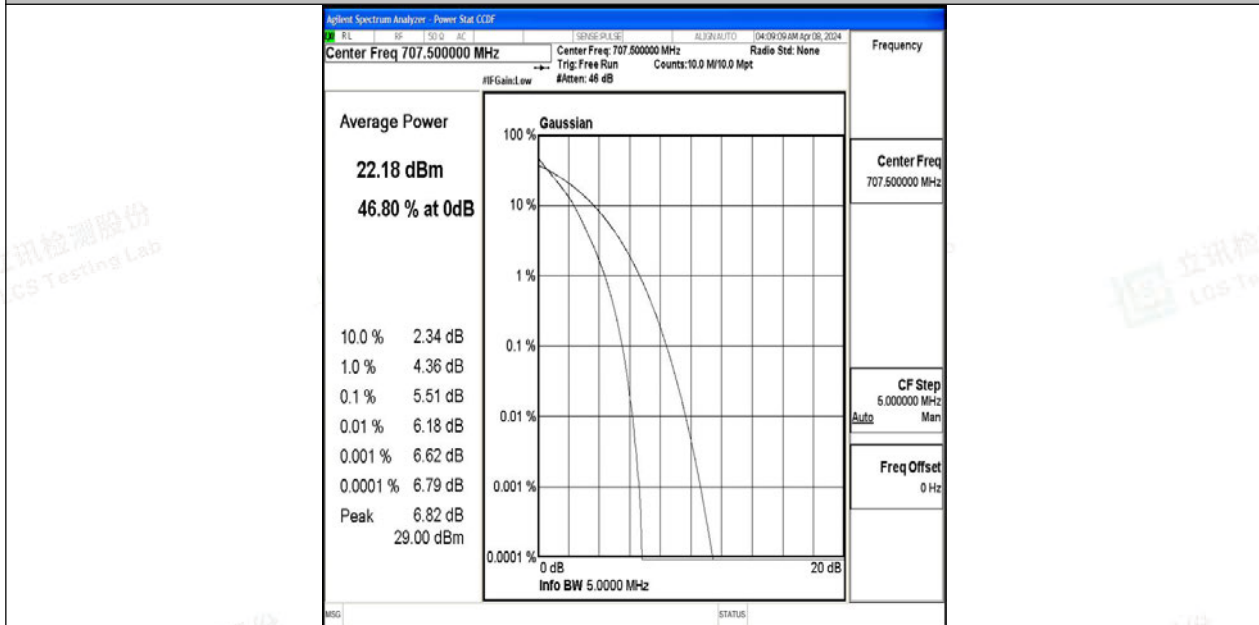


Band12-5MHz-QPSK-23095-1RB#0-PASS



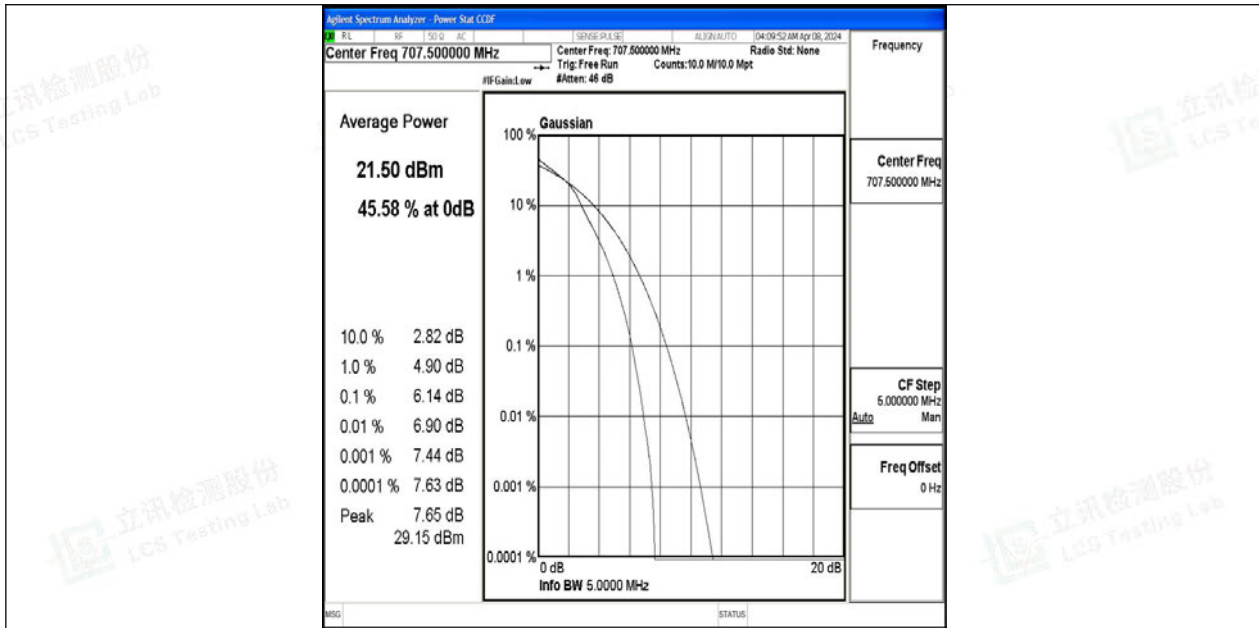


Band12-5MHz-64QAM-23095-1RB#0-PASS

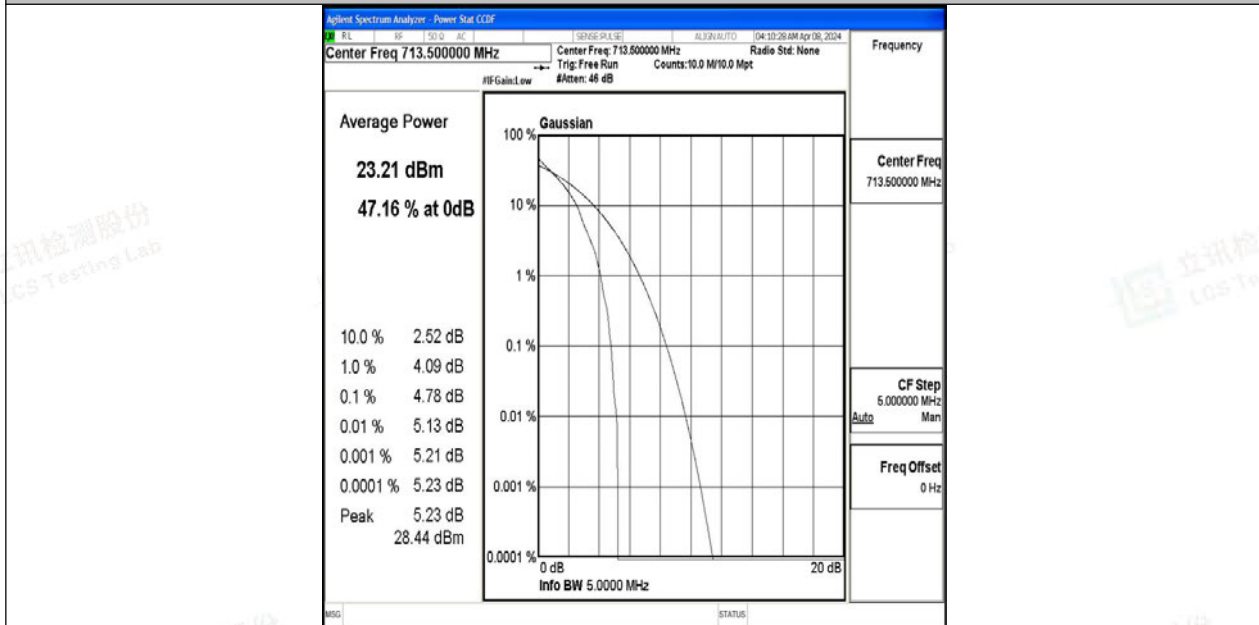


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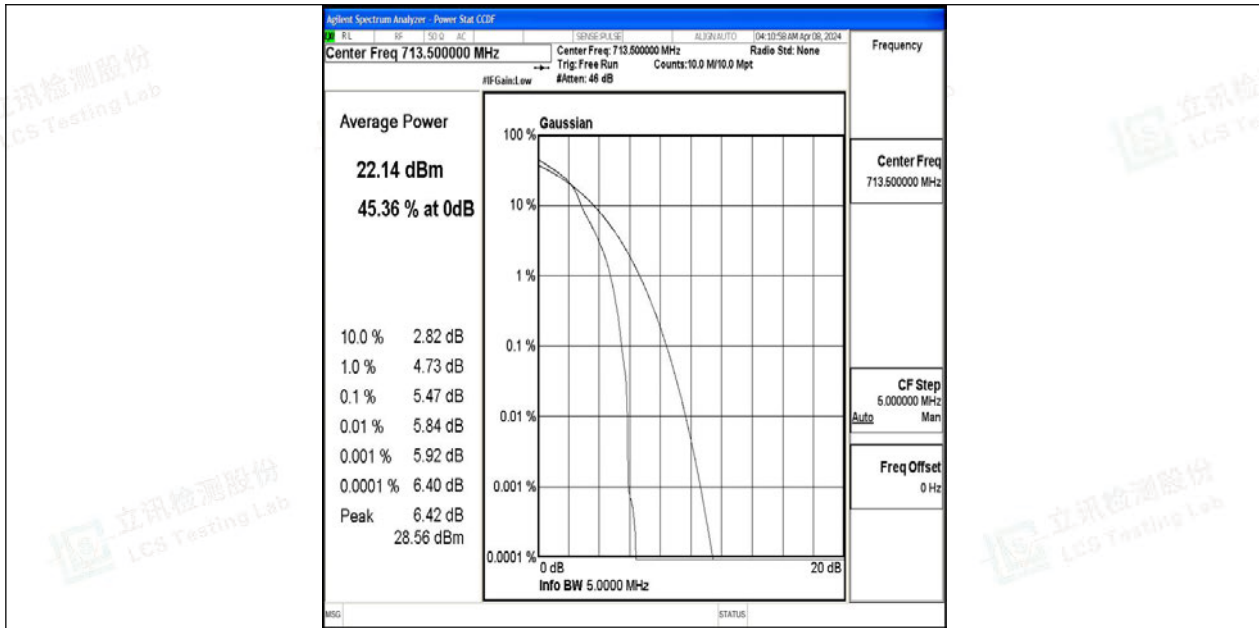


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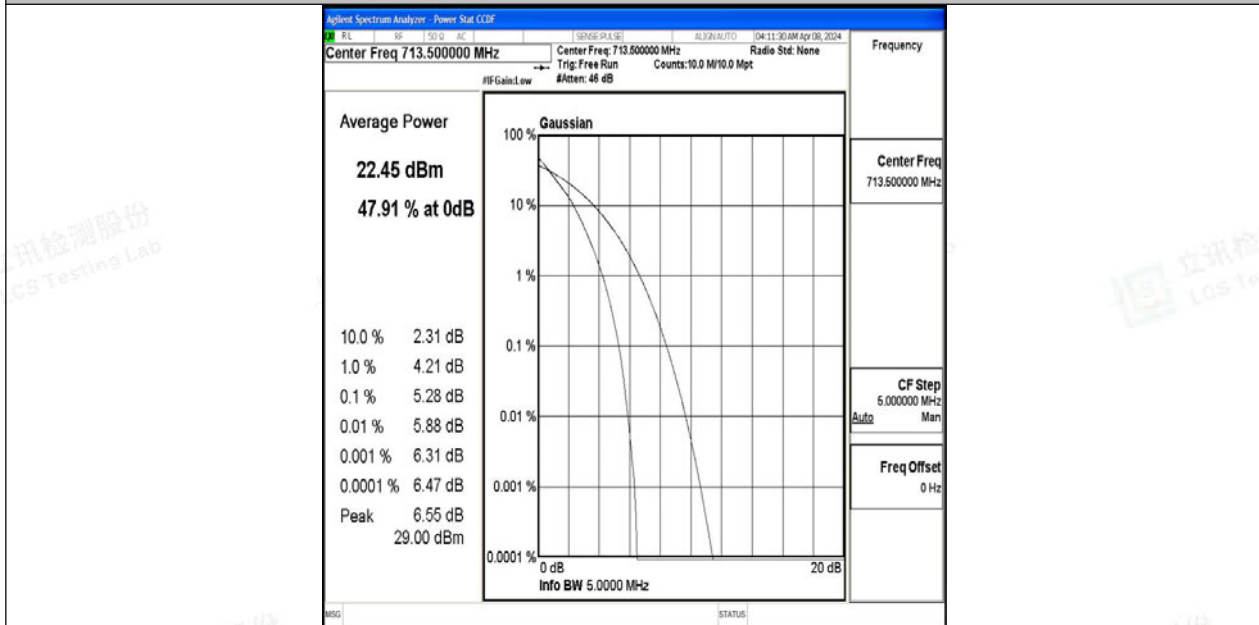


Band12-5MHz-QPSK-23155-1RB#0-PASS



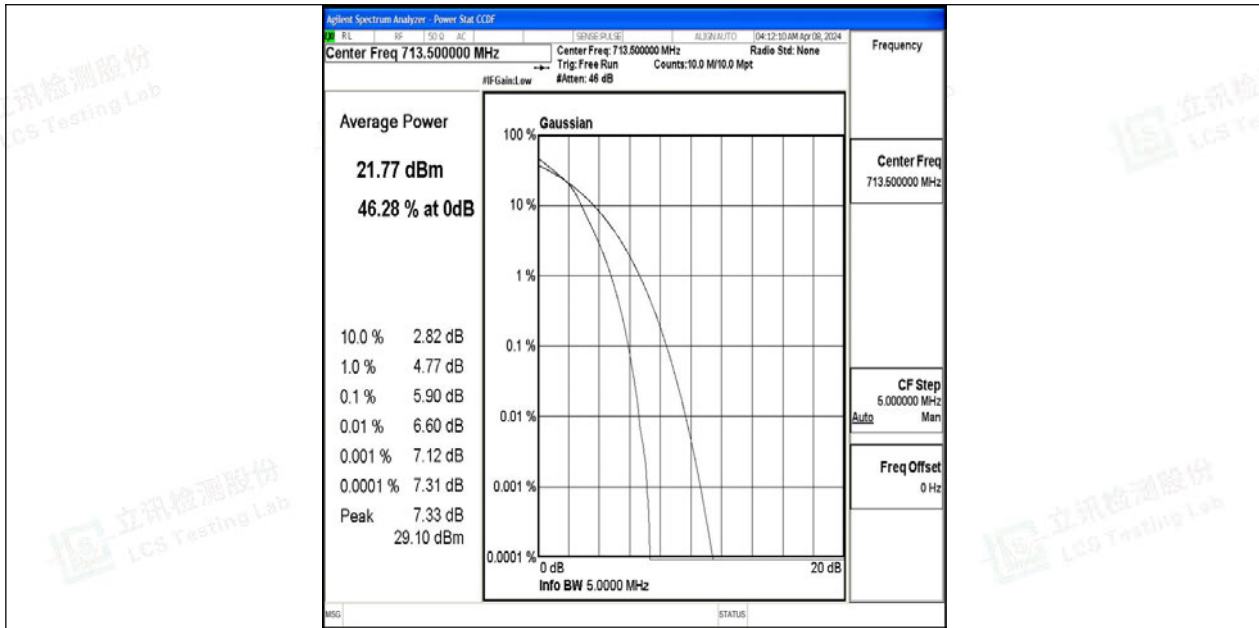


Band12-5MHz-64QAM-23155-1RB#0-PASS

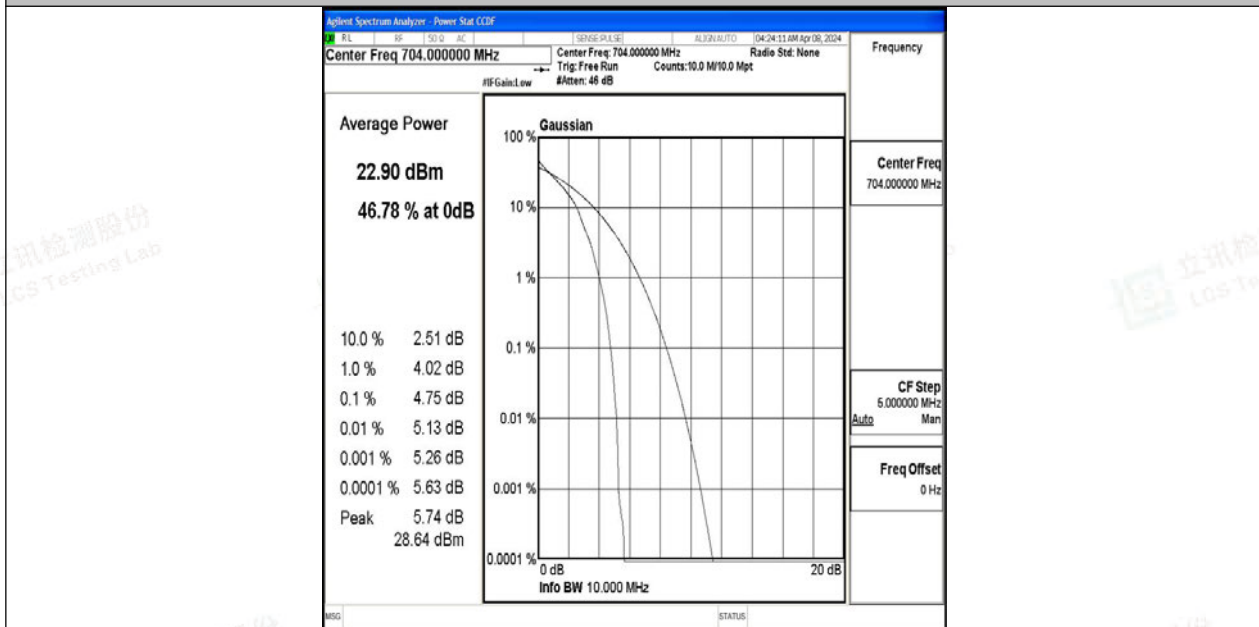


Band12-5MHz-QPSK-23155-25RB#0-PASS



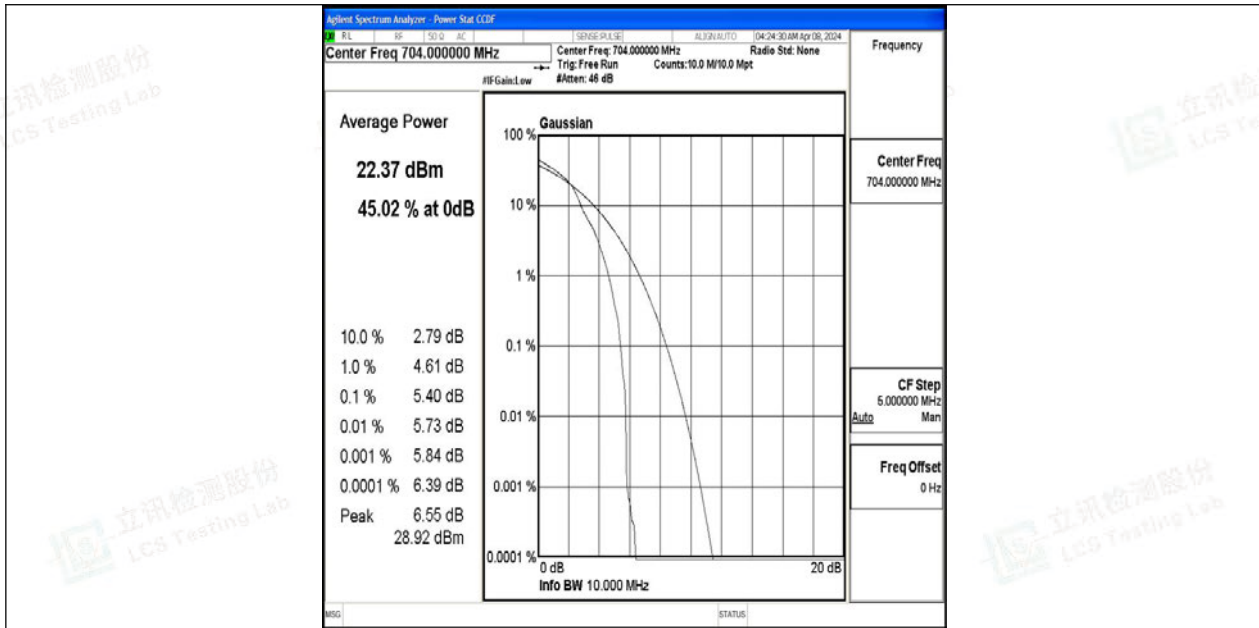


Band12-5MHz-64QAM-23155-25RB#0-PASS

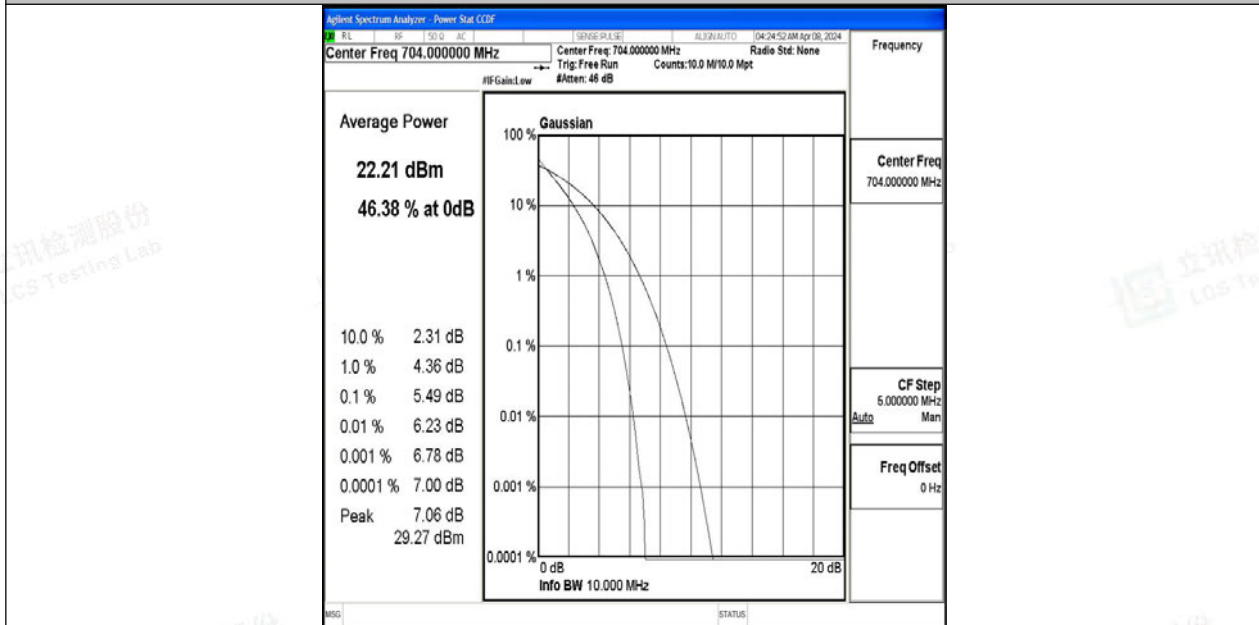


Band12-10MHz-QPSK-23060-1RB#0-PASS



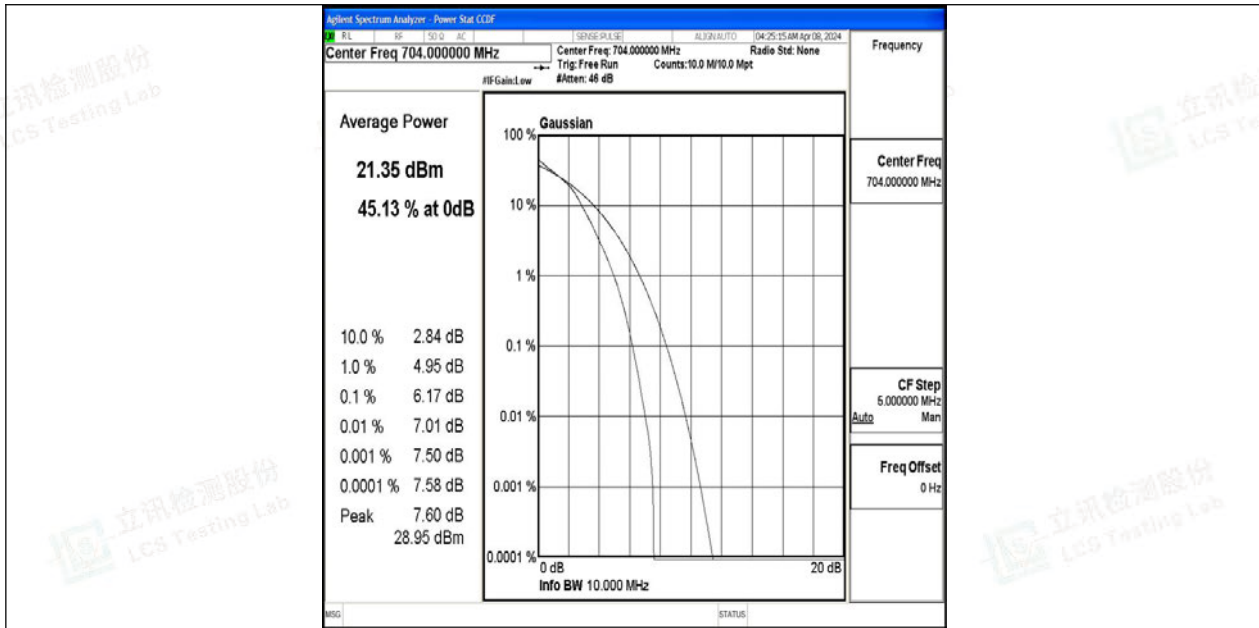


Band12-10MHz-64QAM-23060-1RB#0-PASS

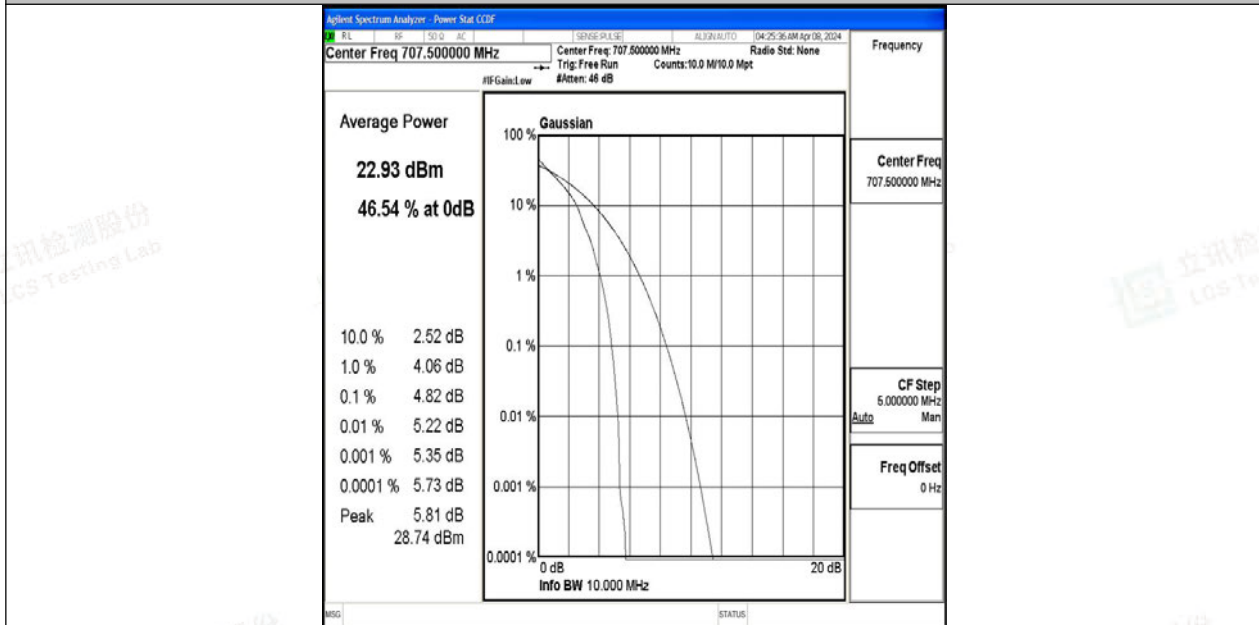


Band12-10MHz-QPSK-23060-50RB#0-PASS



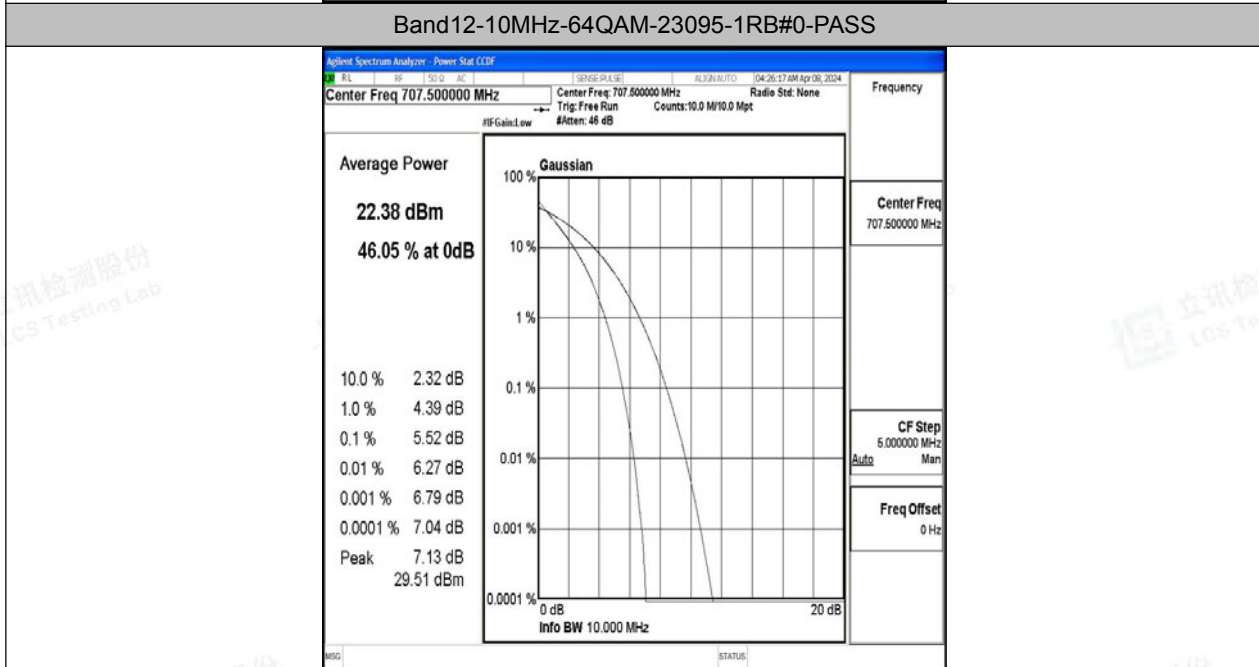
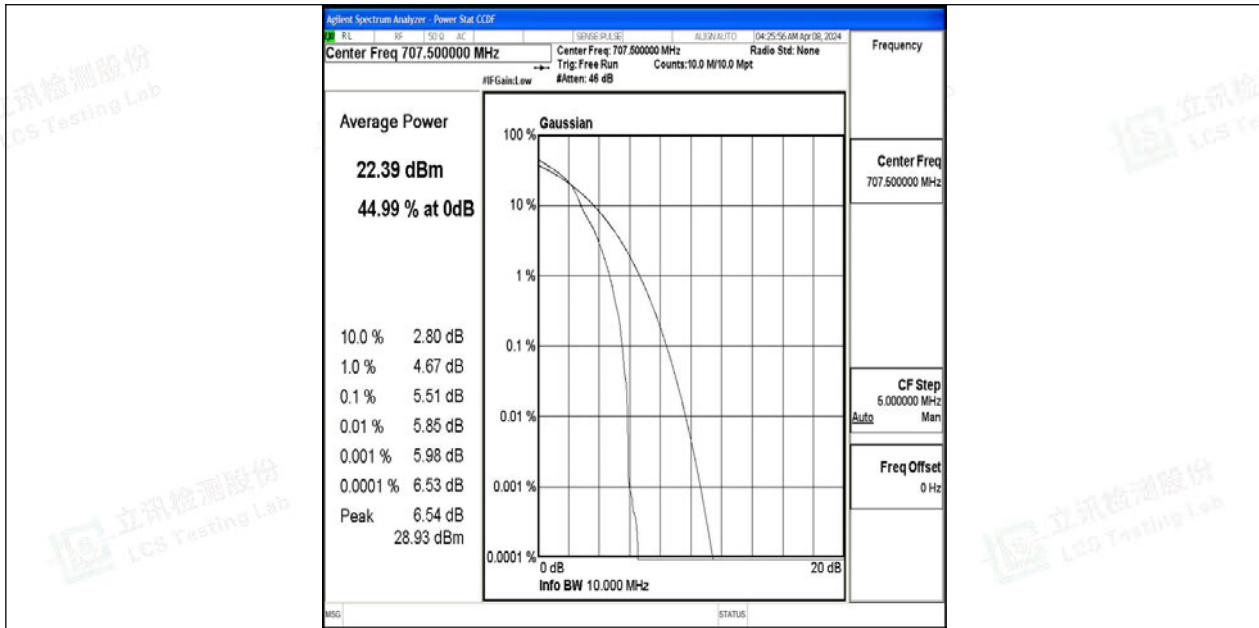


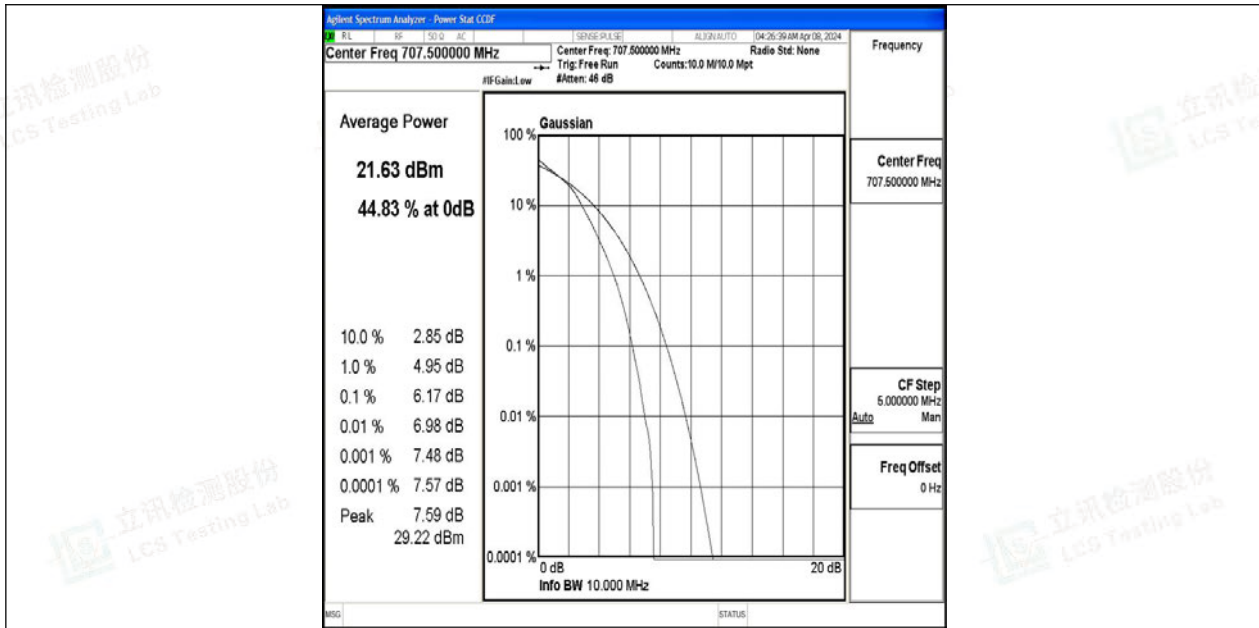
Band12-10MHz-64QAM-23060-50RB#0-PASS



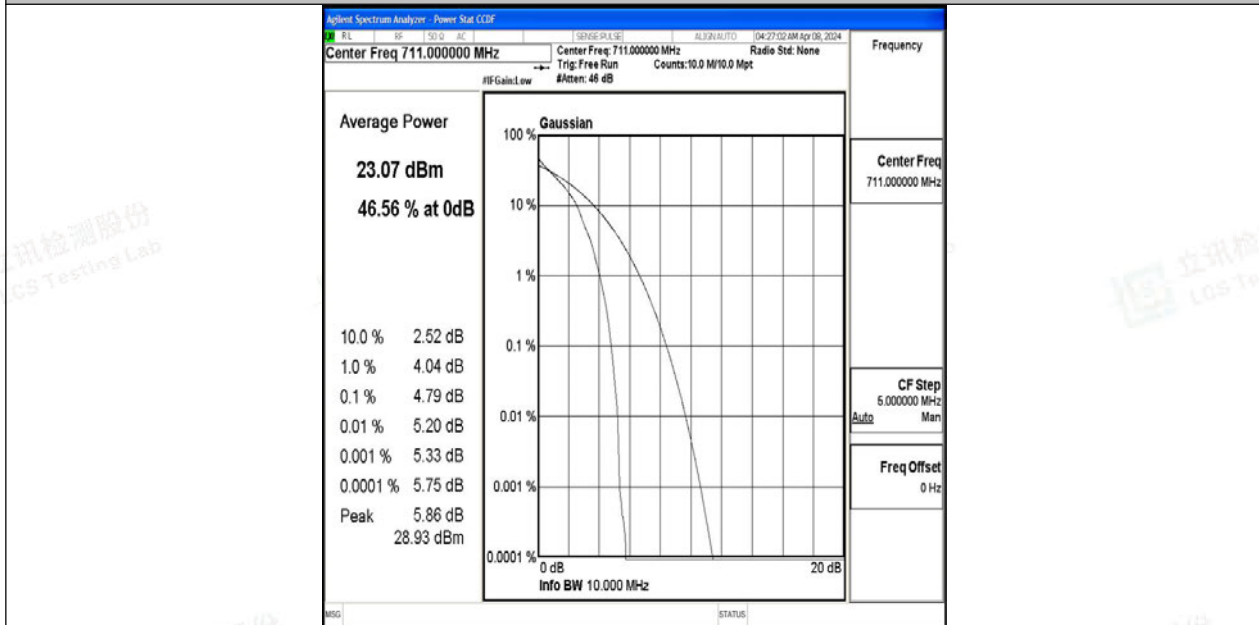
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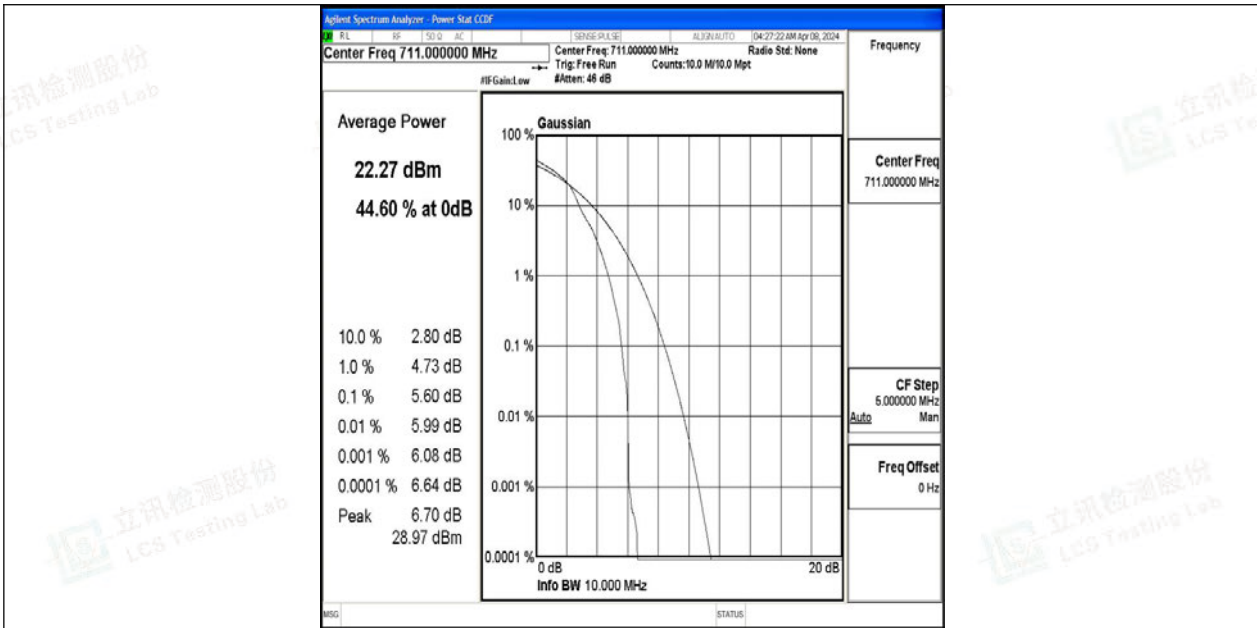


Band12-10MHz-64QAM-23095-50RB#0-PASS

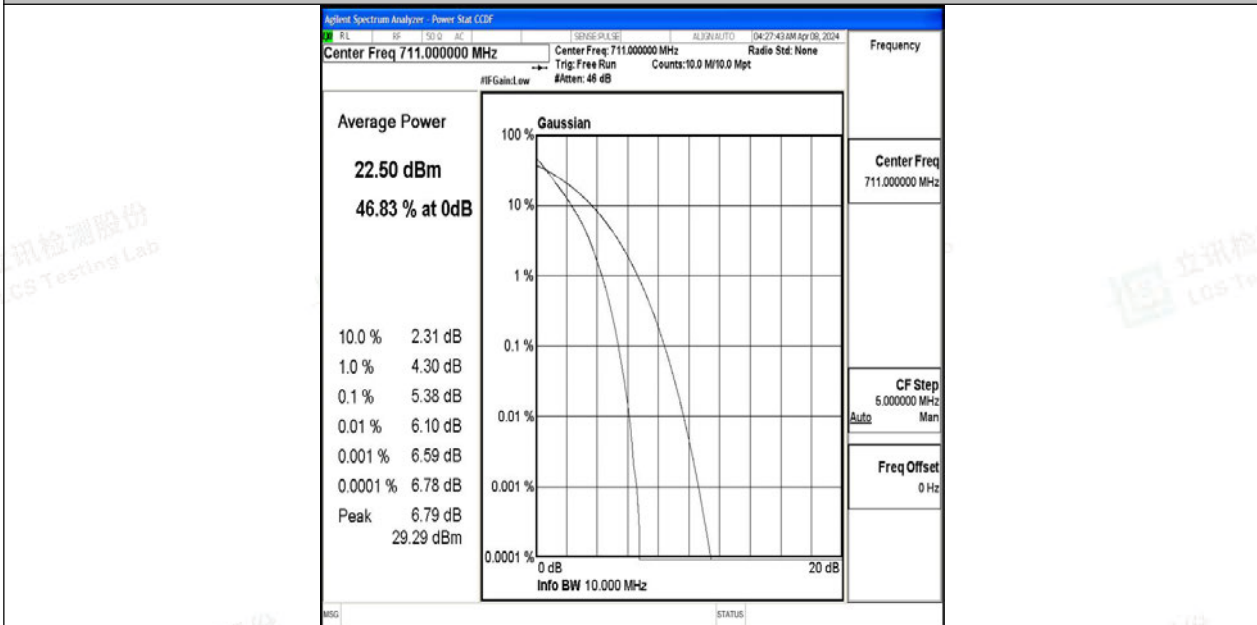


Band12-10MHz-QPSK-23130-1RB#0-PASS



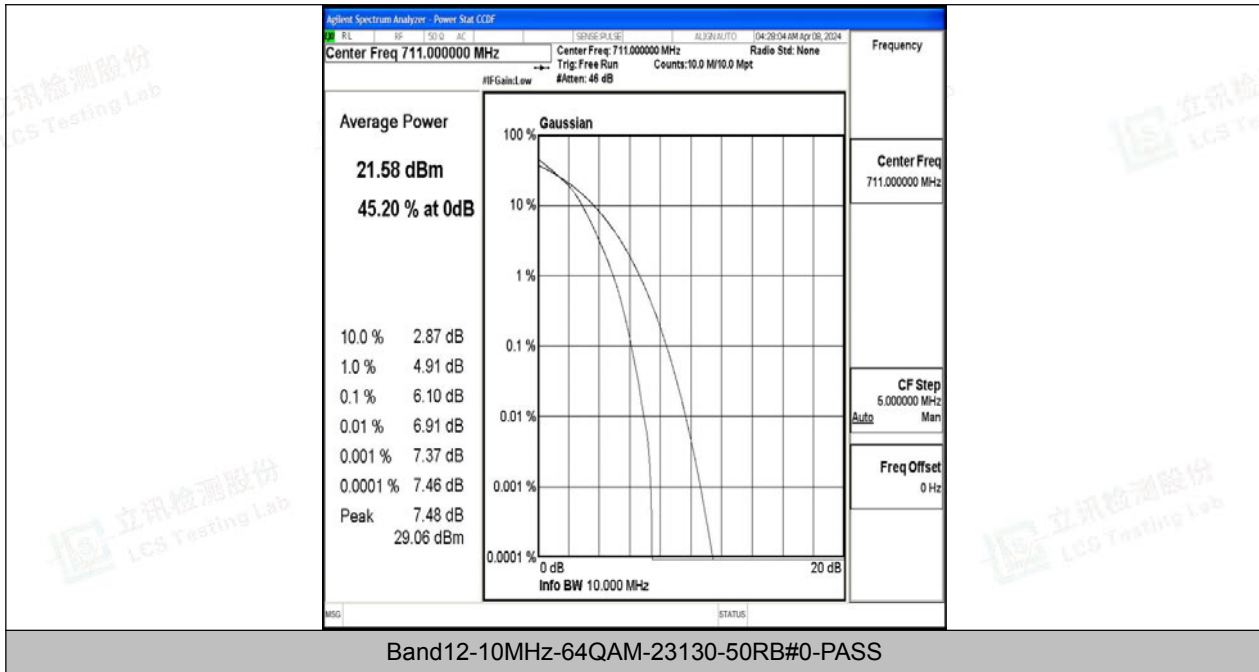


Band12-10MHz-64QAM-23130-1RB#0-PASS



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







C.3 26dB Bandwidth and Occupied Bandwidth

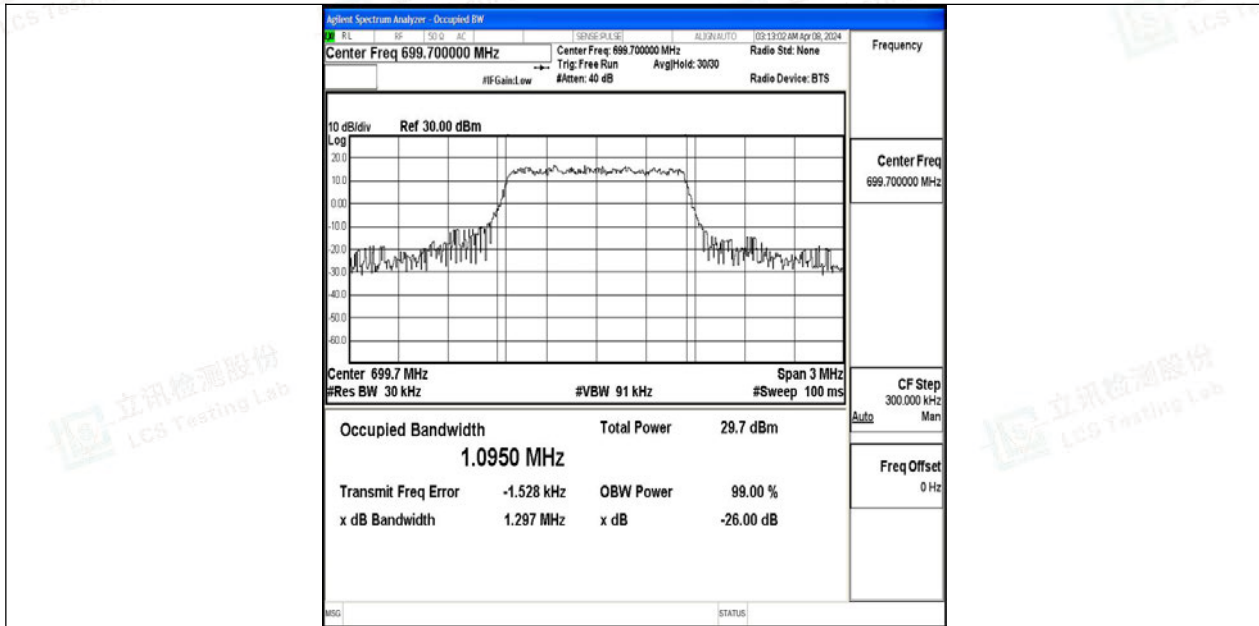
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	1.0950	1.297	PASS
Band12	1.4MHz	64QAM	23017	6RB#0	1.1042	1.293	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	1.0948	1.288	PASS
Band12	1.4MHz	64QAM	23095	6RB#0	1.1035	1.284	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	1.0950	1.296	PASS
Band12	1.4MHz	64QAM	23173	6RB#0	1.1045	1.357	PASS
Band12	3MHz	QPSK	23025	15RB#0	2.6991	3.184	PASS
Band12	3MHz	64QAM	23025	15RB#0	2.7028	3.031	PASS
Band12	3MHz	QPSK	23095	15RB#0	2.7091	3.077	PASS
Band12	3MHz	64QAM	23095	15RB#0	2.6992	3.099	PASS
Band12	3MHz	QPSK	23165	15RB#0	2.7049	3.193	PASS
Band12	3MHz	64QAM	23165	15RB#0	2.7010	3.099	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.5217	5.292	PASS
Band12	5MHz	64QAM	23035	25RB#0	4.5314	5.296	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.5224	5.352	PASS
Band12	5MHz	64QAM	23095	25RB#0	4.5210	5.341	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.5132	5.226	PASS
Band12	5MHz	64QAM	23155	25RB#0	4.5101	5.194	PASS
Band12	10MHz	QPSK	23060	50RB#0	8.9903	9.982	PASS
Band12	10MHz	64QAM	23060	50RB#0	8.9878	10.18	PASS
Band12	10MHz	QPSK	23095	50RB#0	9.0063	10.14	PASS
Band12	10MHz	64QAM	23095	50RB#0	9.0001	10.12	PASS
Band12	10MHz	QPSK	23130	50RB#0	8.9958	10.10	PASS
Band12	10MHz	64QAM	23130	50RB#0	8.9878	10.07	PASS

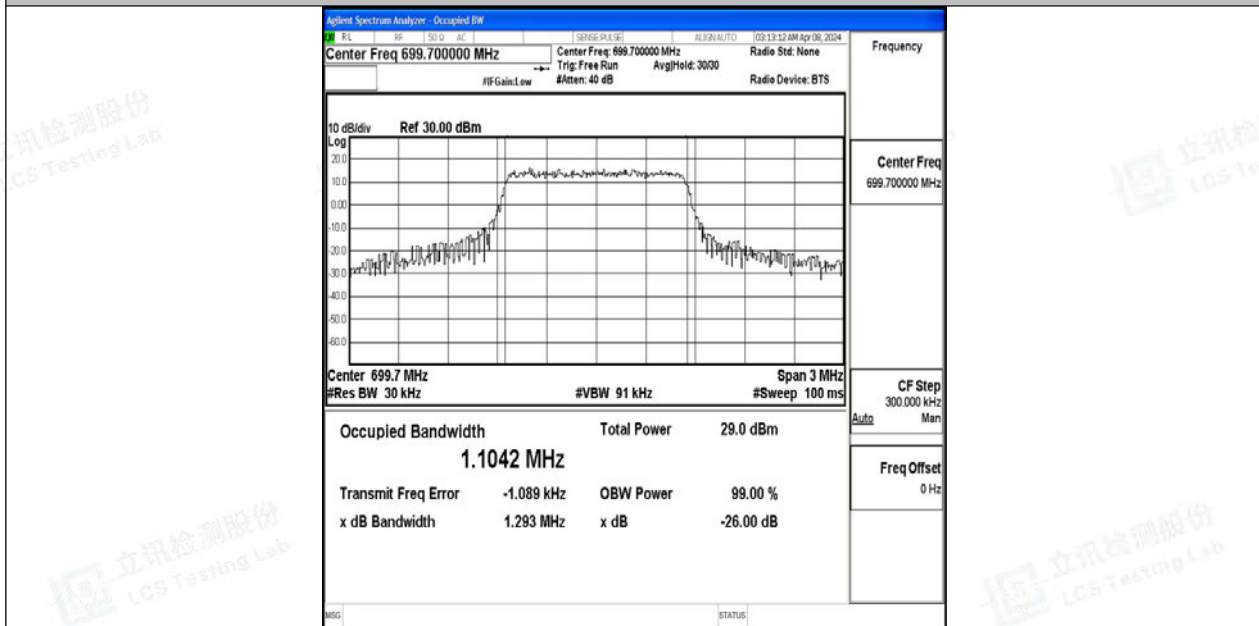




Test Graphs

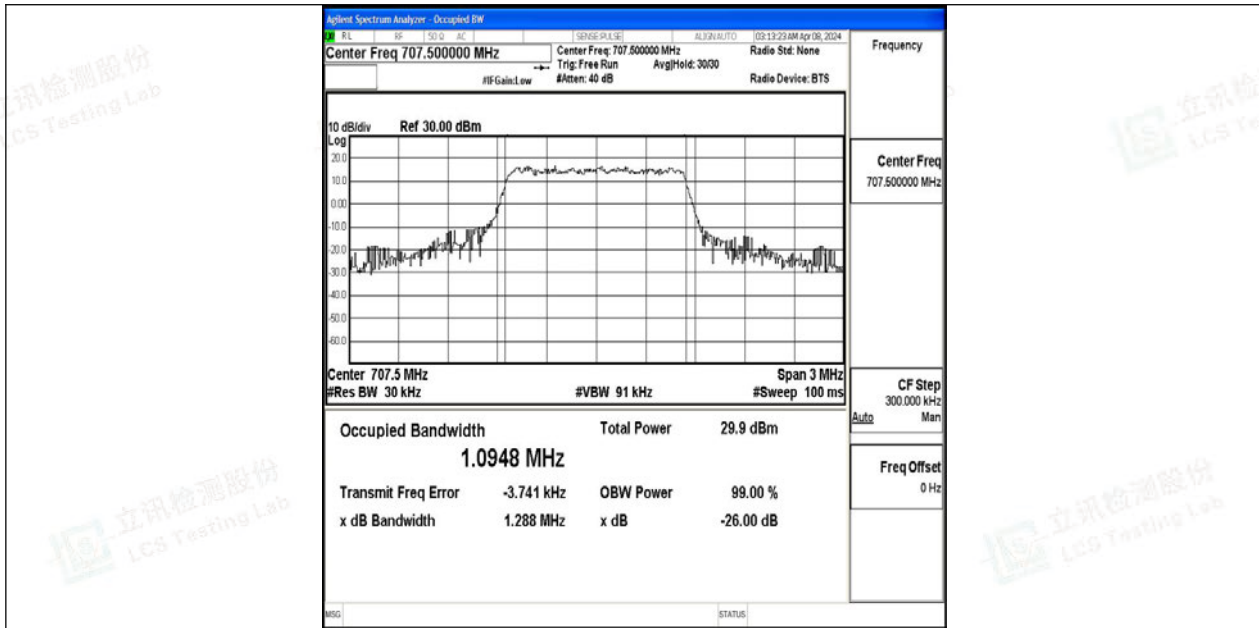


Band12-1.4MHz-QPSK-23017-6RB#0-PASS

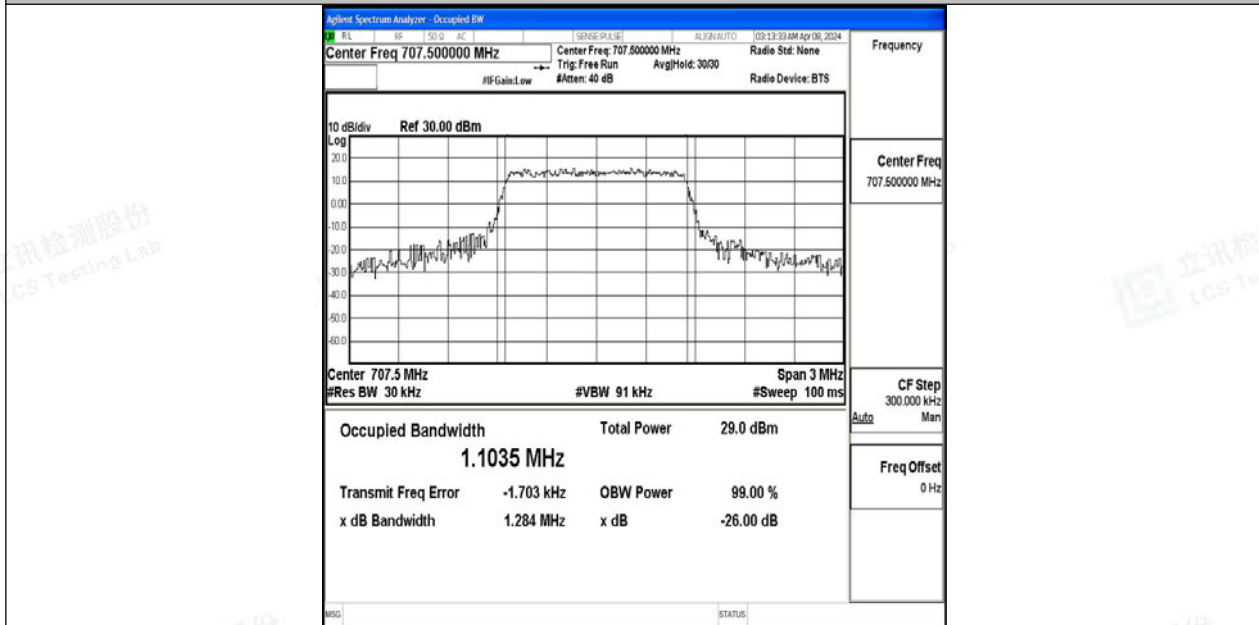


Band12-1.4MHz-64QAM-23017-6RB#0-PASS



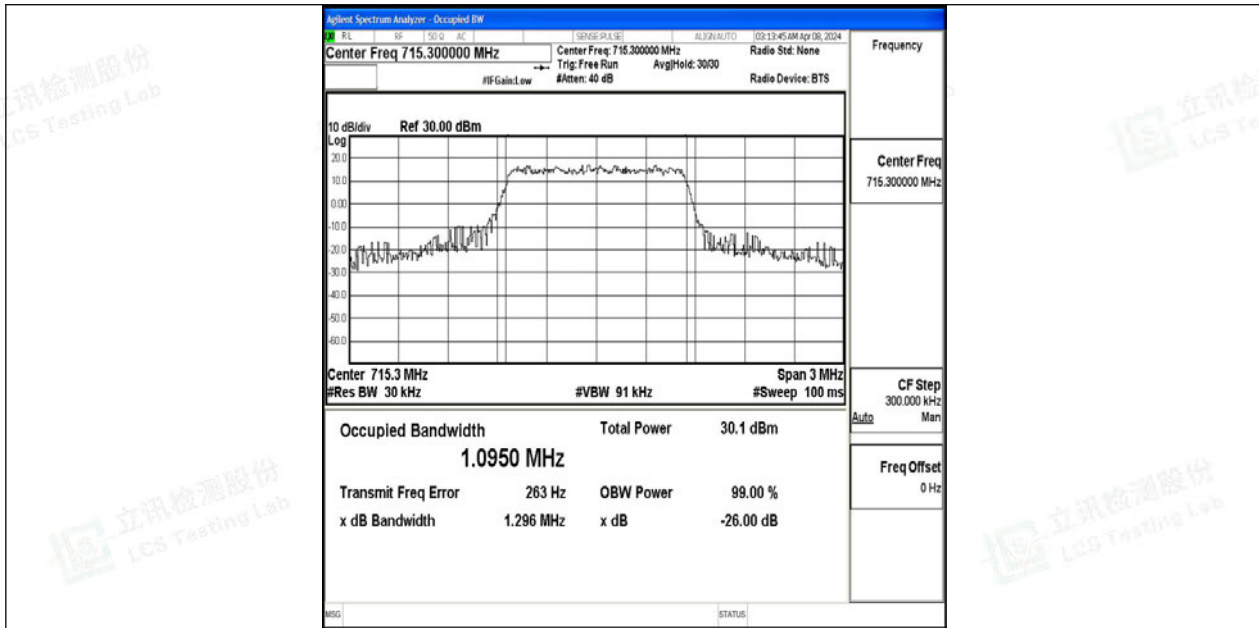


Band12-1.4MHz-QPSK-23095-6RB#0-PASS

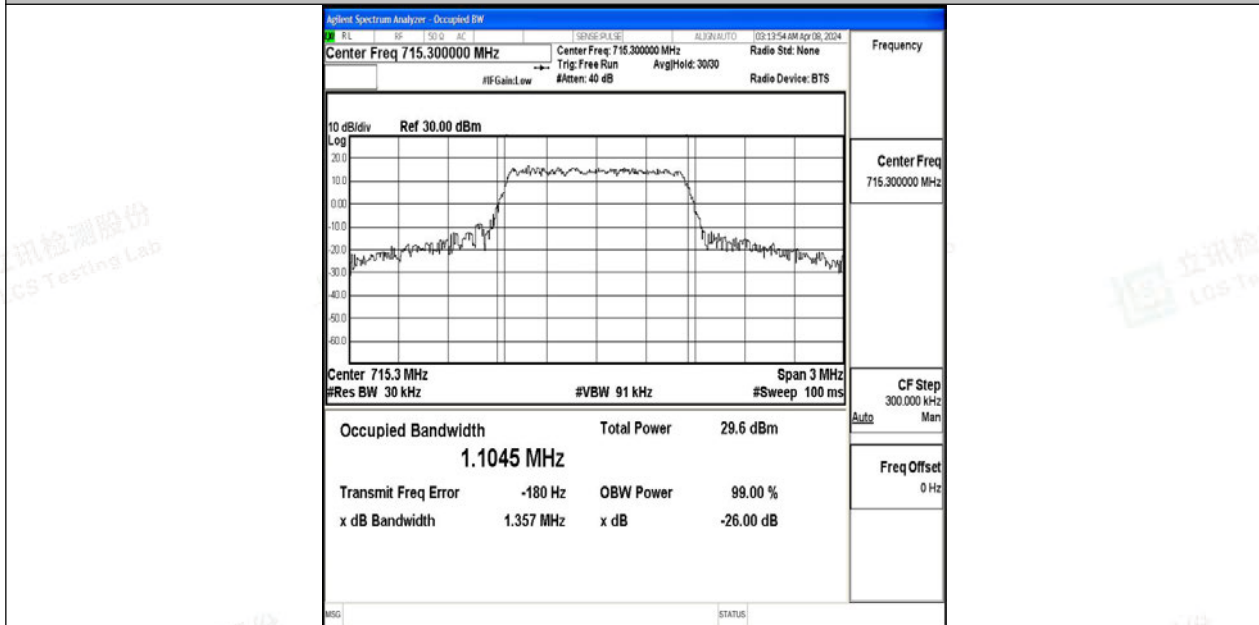


Band12-1.4MHz-64QAM-23095-6RB#0-PASS



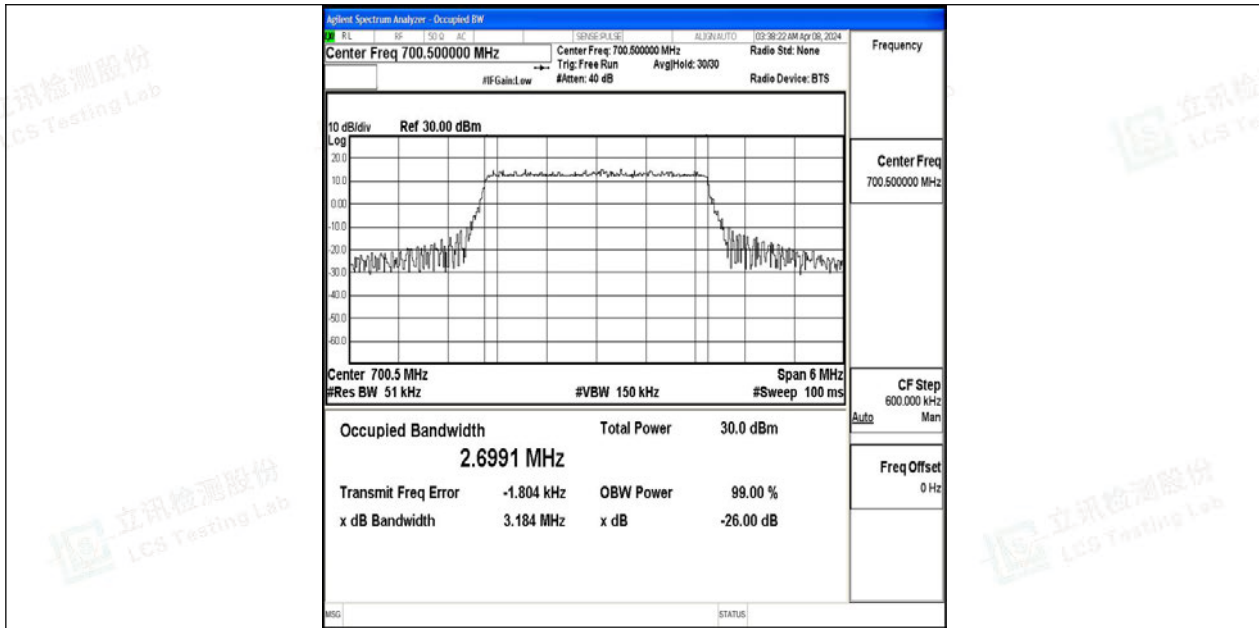


Band12-1.4MHz-QPSK-23173-6RB#0-PASS

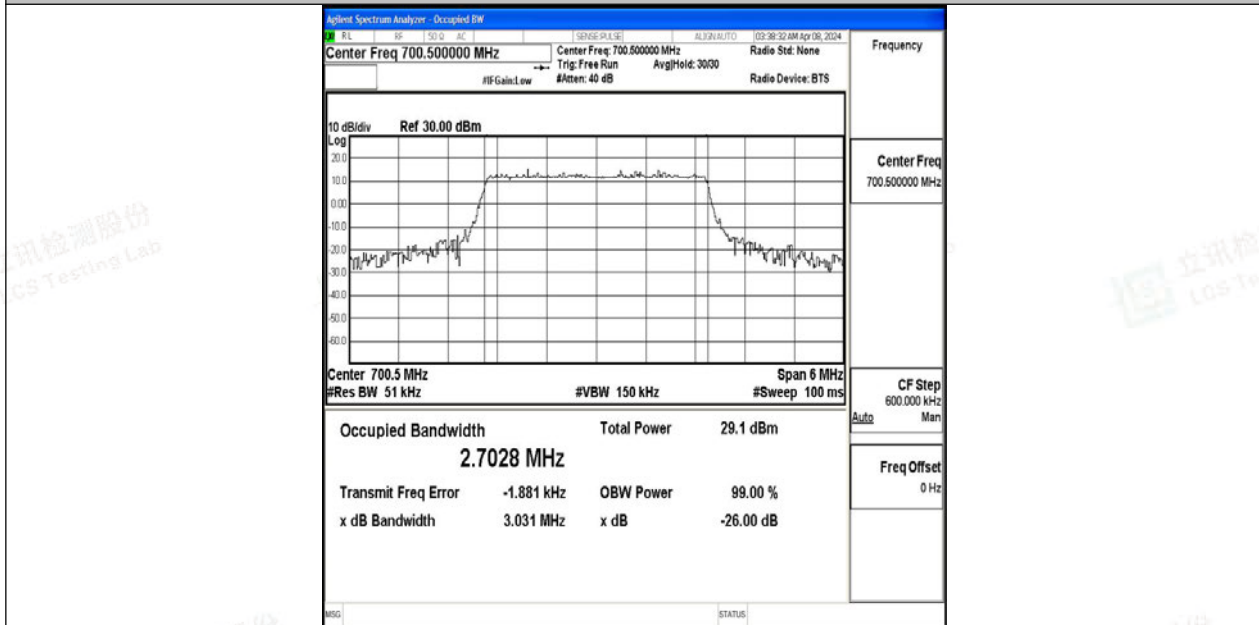


Band12-1.4MHz-64QAM-23173-6RB#0-PASS



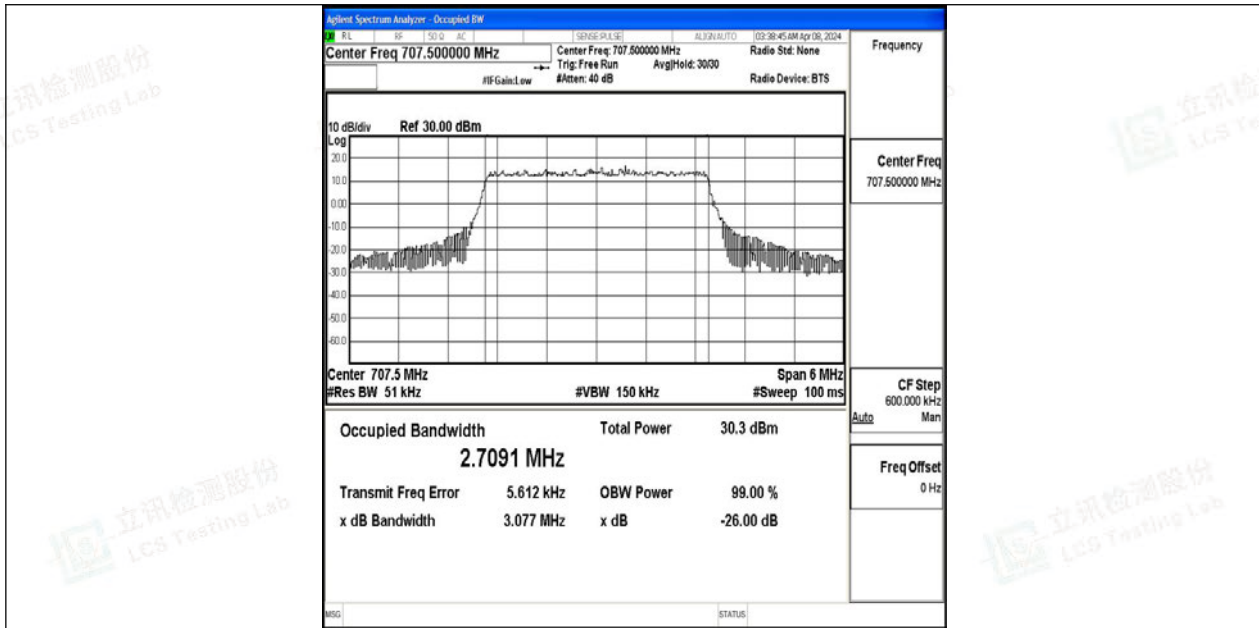


Band12-3MHz-QPSK-23025-15RB#0-PASS

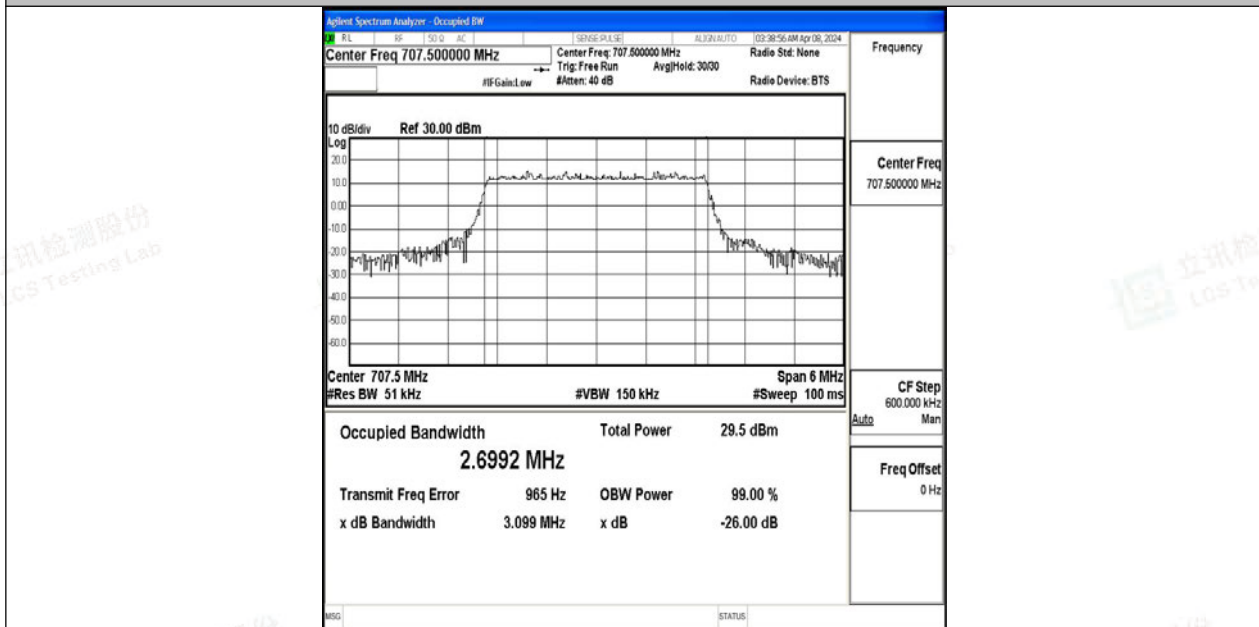


Band12-3MHz-64QAM-23025-15RB#0-PASS



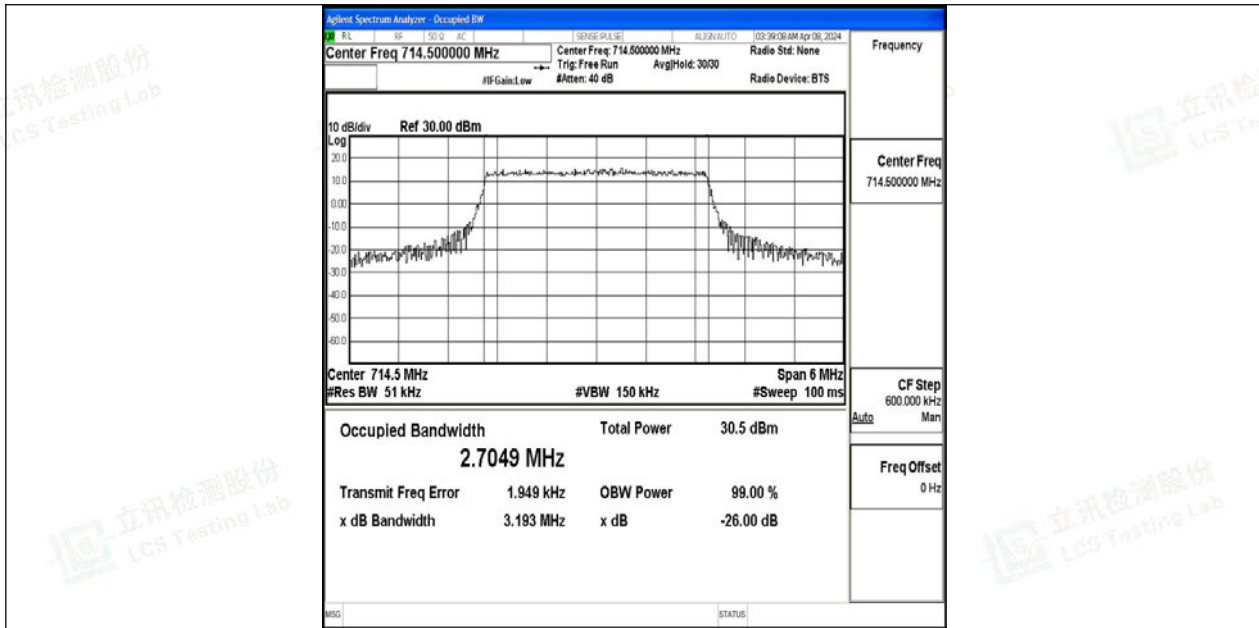


Band12-3MHz-QPSK-23095-15RB#0-PASS

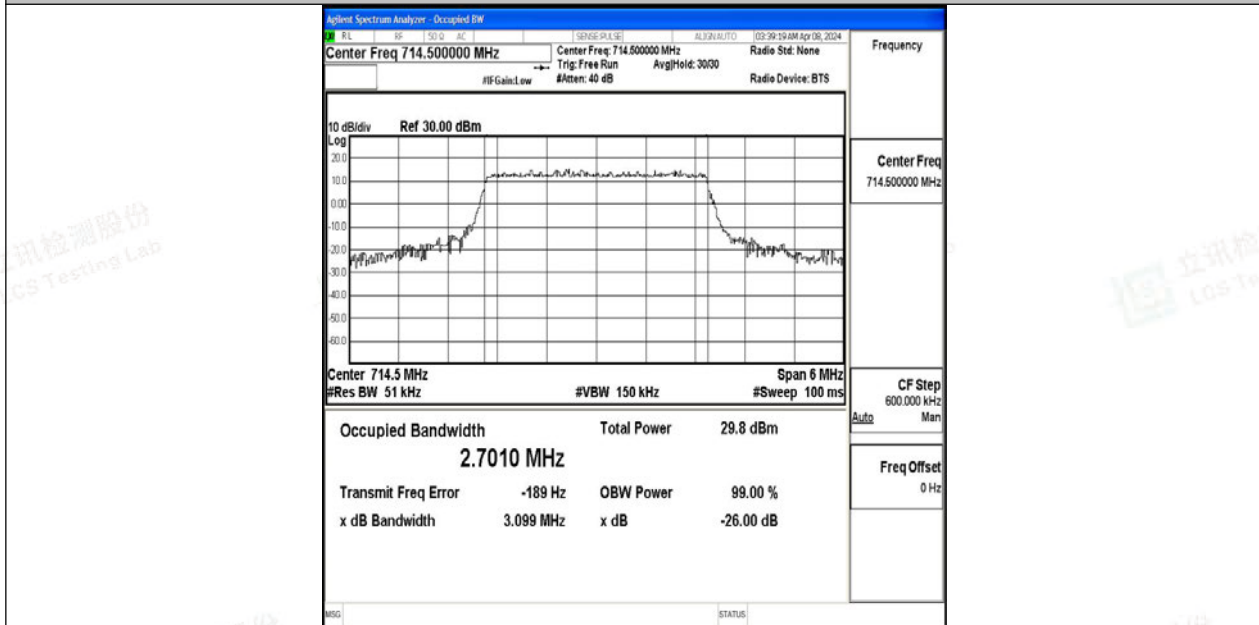


Band12-3MHz-64QAM-23095-15RB#0-PASS



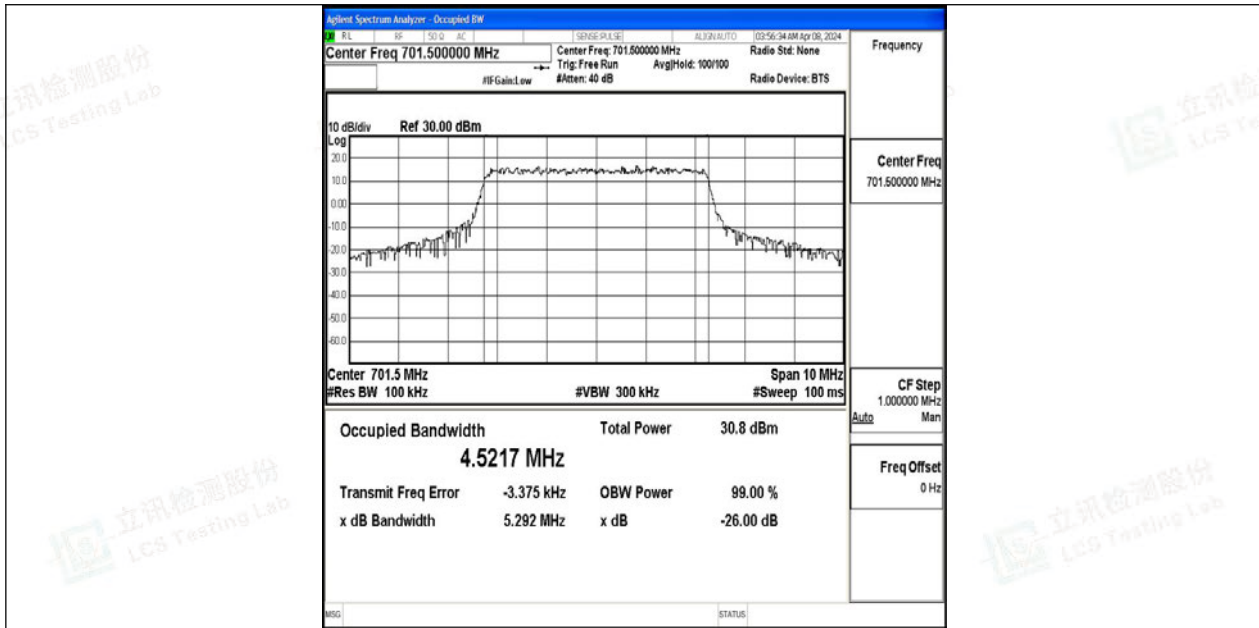


Band12-3MHz-QPSK-23165-15RB#0-PASS

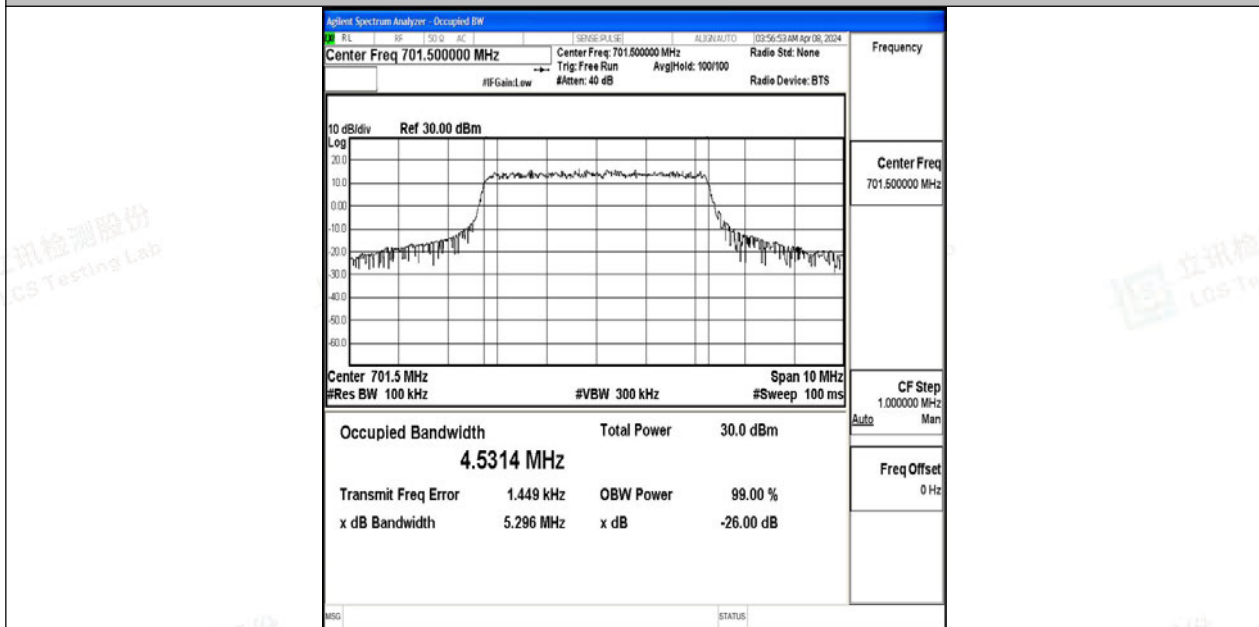


Band12-3MHz-64QAM-23165-15RB#0-PASS



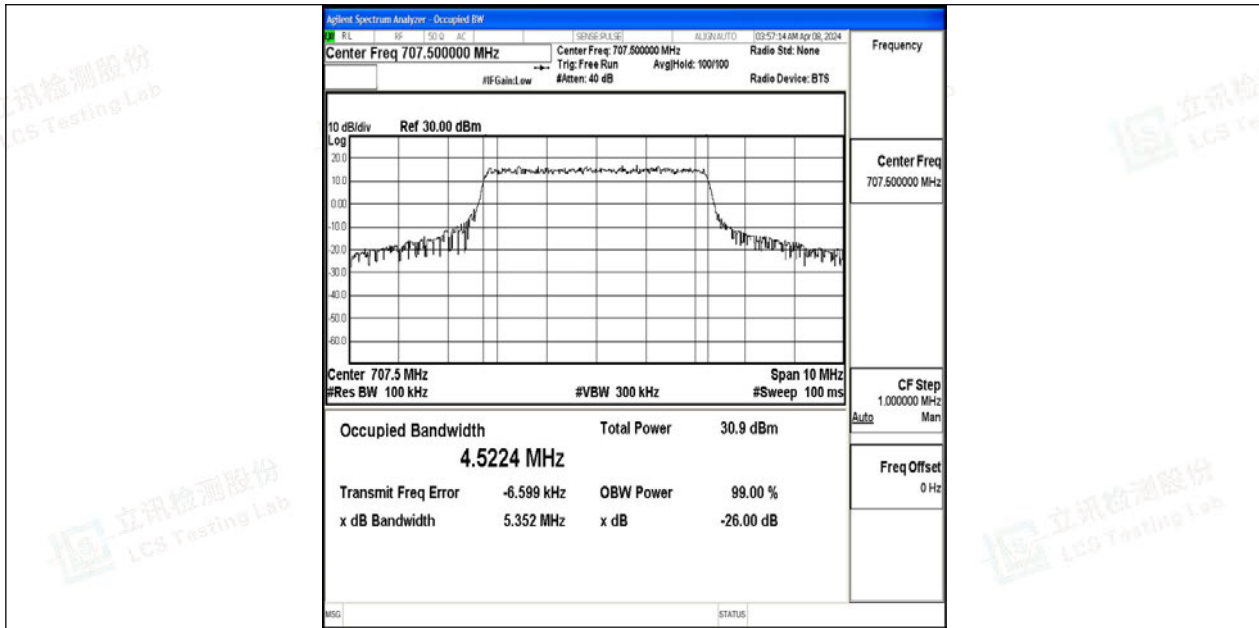


Band12-5MHz-QPSK-23035-25RB#0-PASS

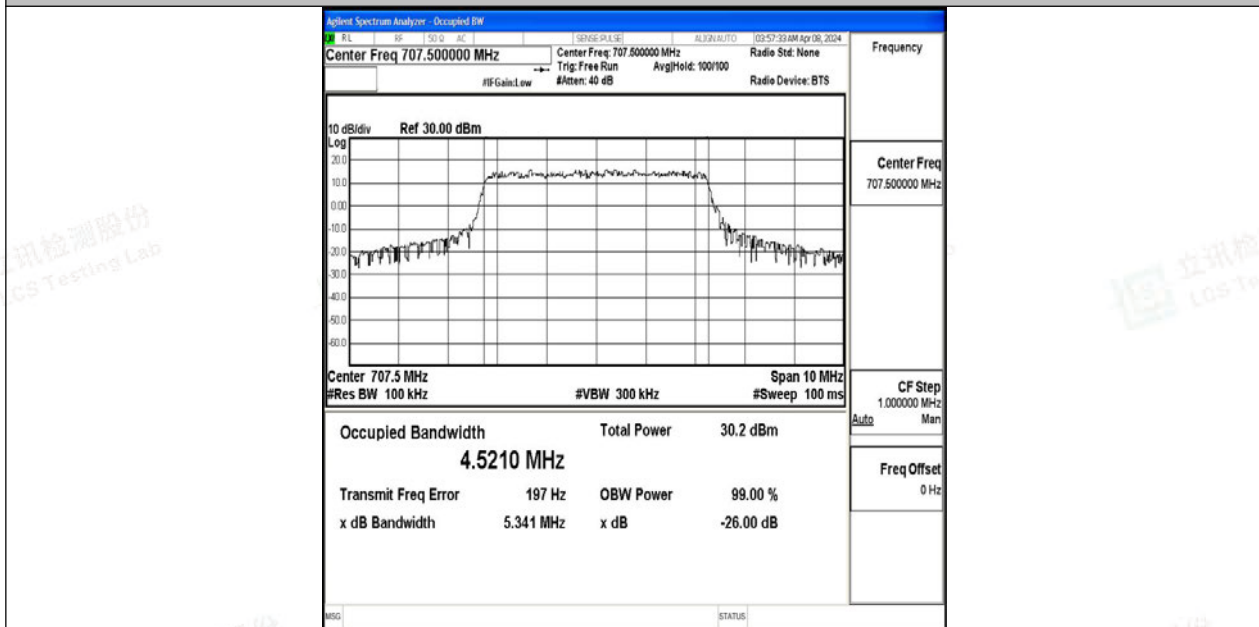


Band12-5MHz-64QAM-23035-25RB#0-PASS



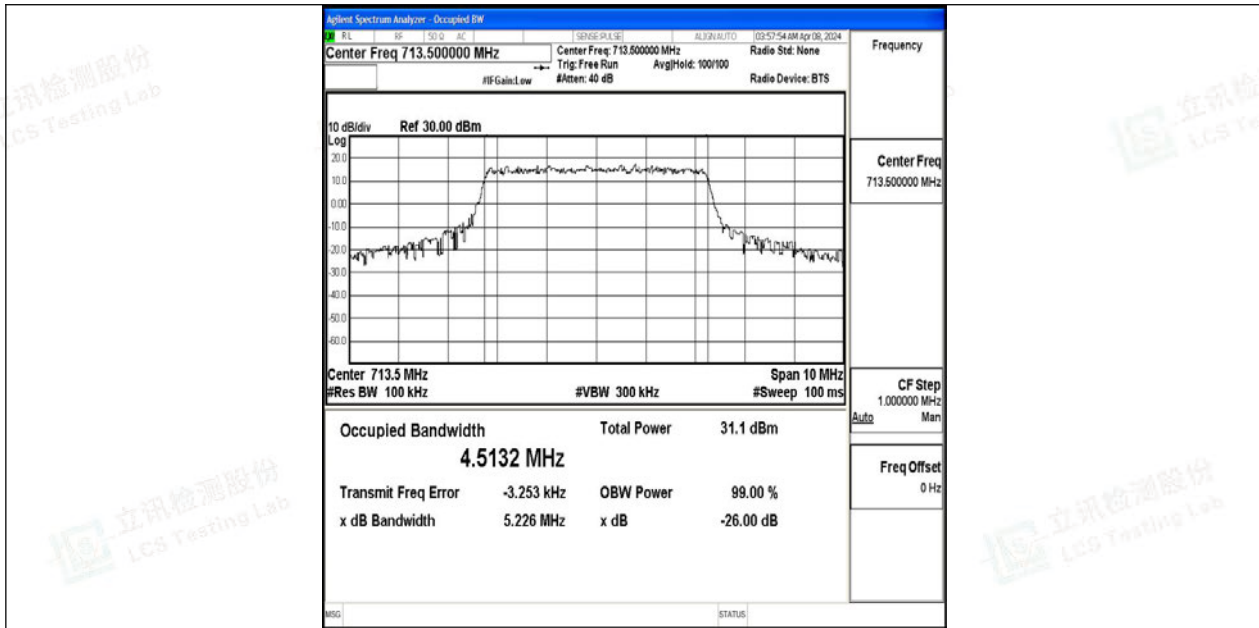


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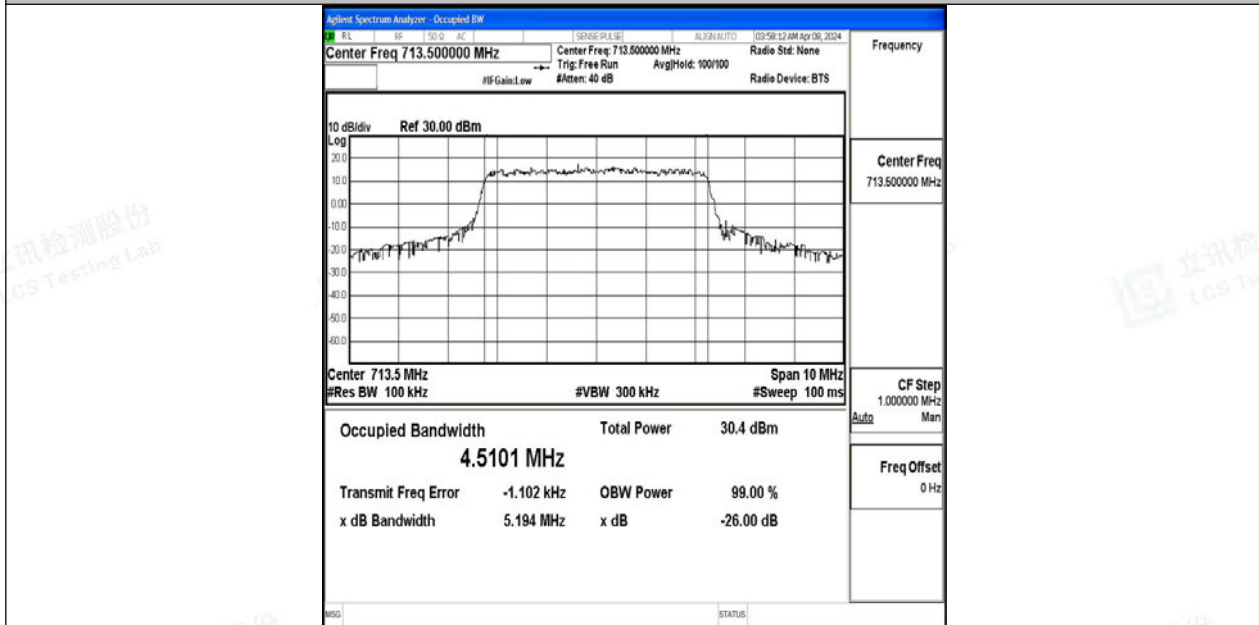


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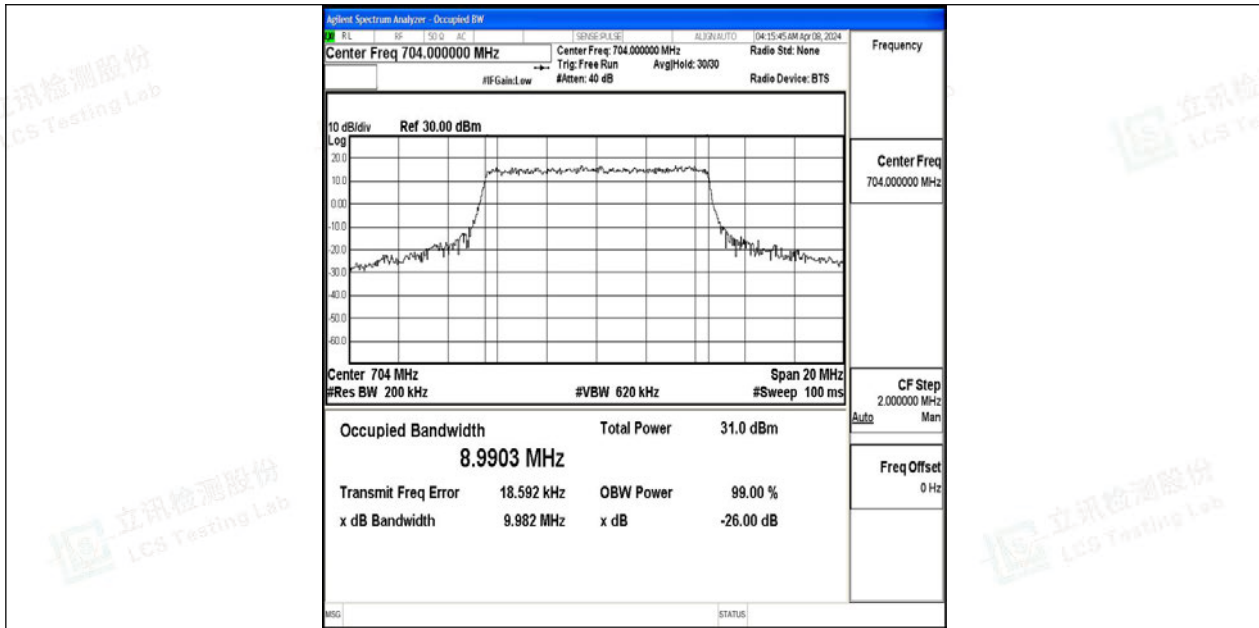


Band12-5MHz-QPSK-23155-25RB#0-PASS

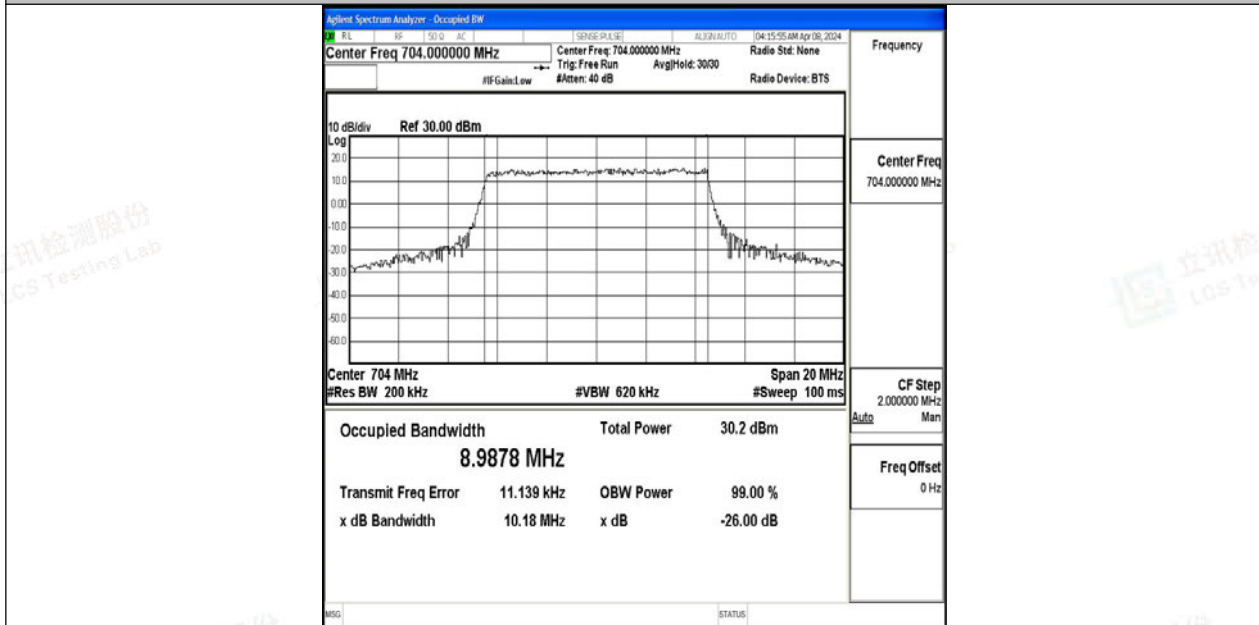


Band12-5MHz-64QAM-23155-25RB#0-PASS



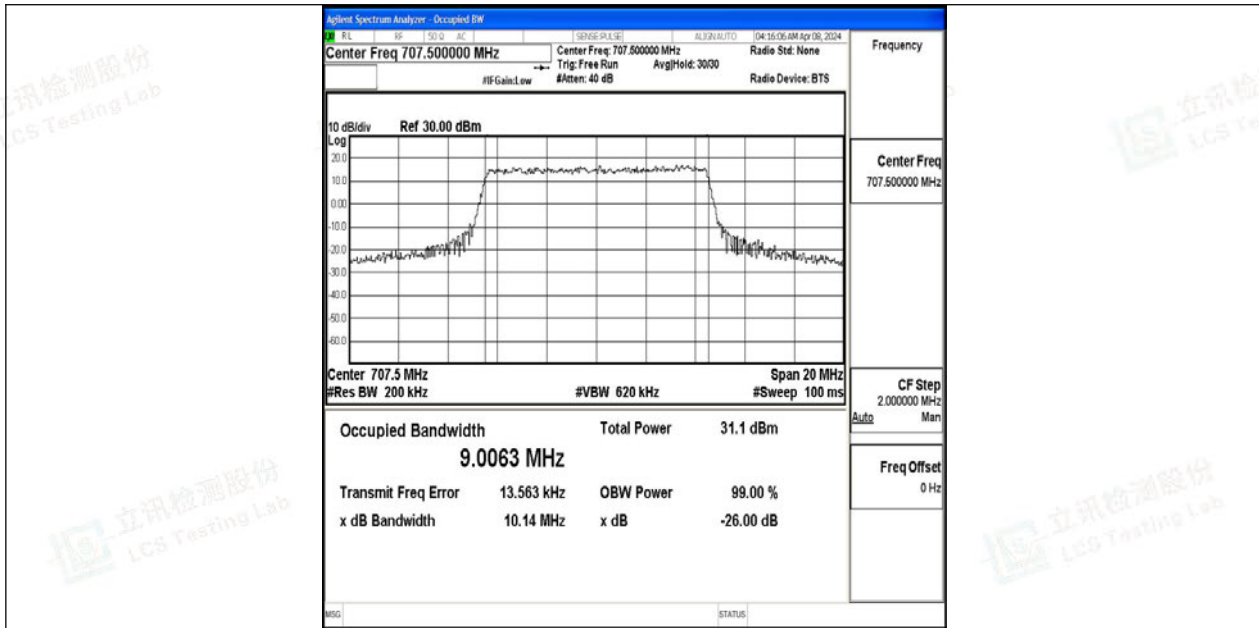


Band12-10MHz-QPSK-23060-50RB#0-PASS

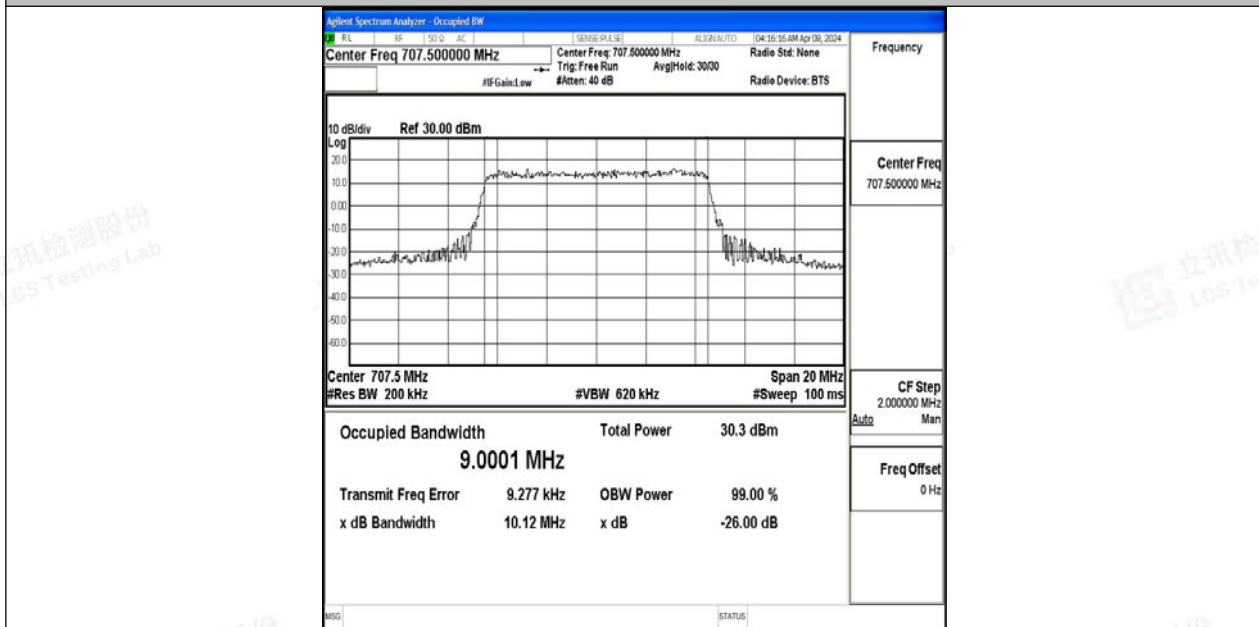


Band12-10MHz-64QAM-23060-50RB#0-PASS



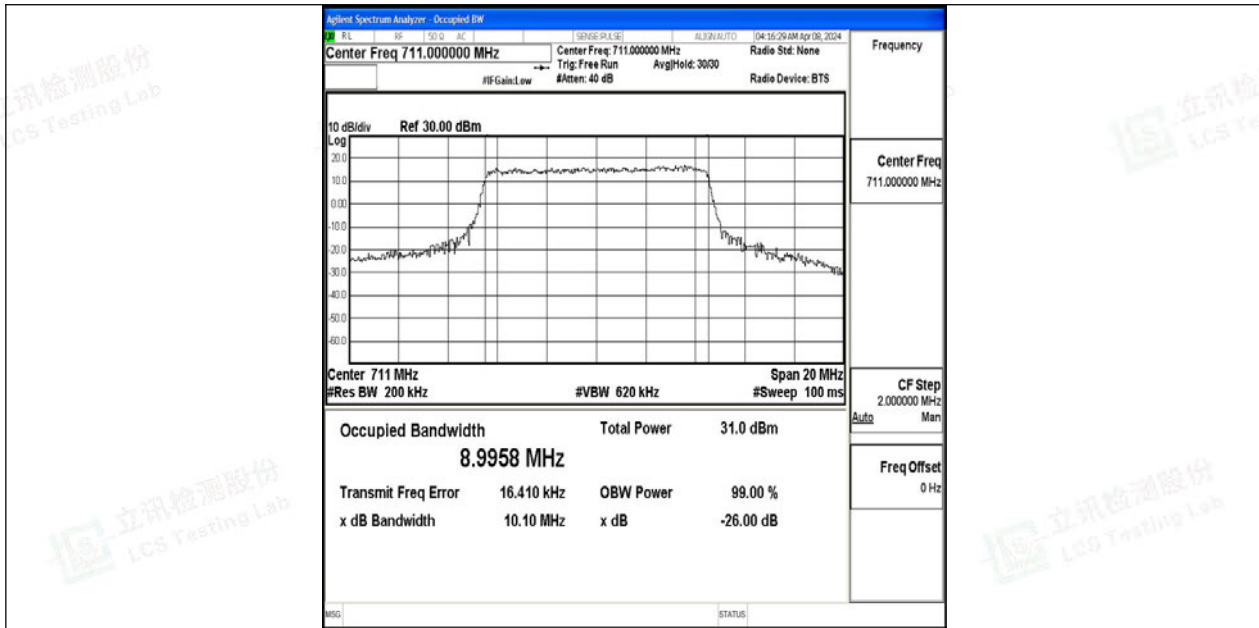


Band12-10MHz-QPSK-23095-50RB#0-PASS

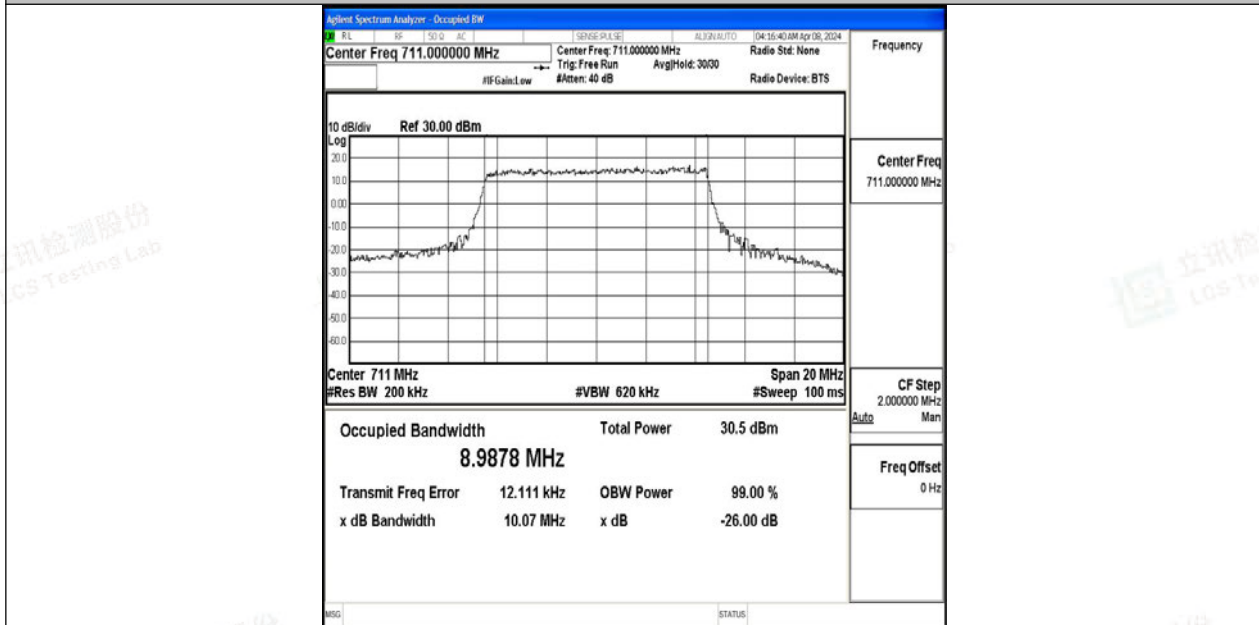


Band12-10MHz-64QAM-23095-50RB#0-PASS





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



Band12-10MHz-64QAM-23130-50RB#0-PASS



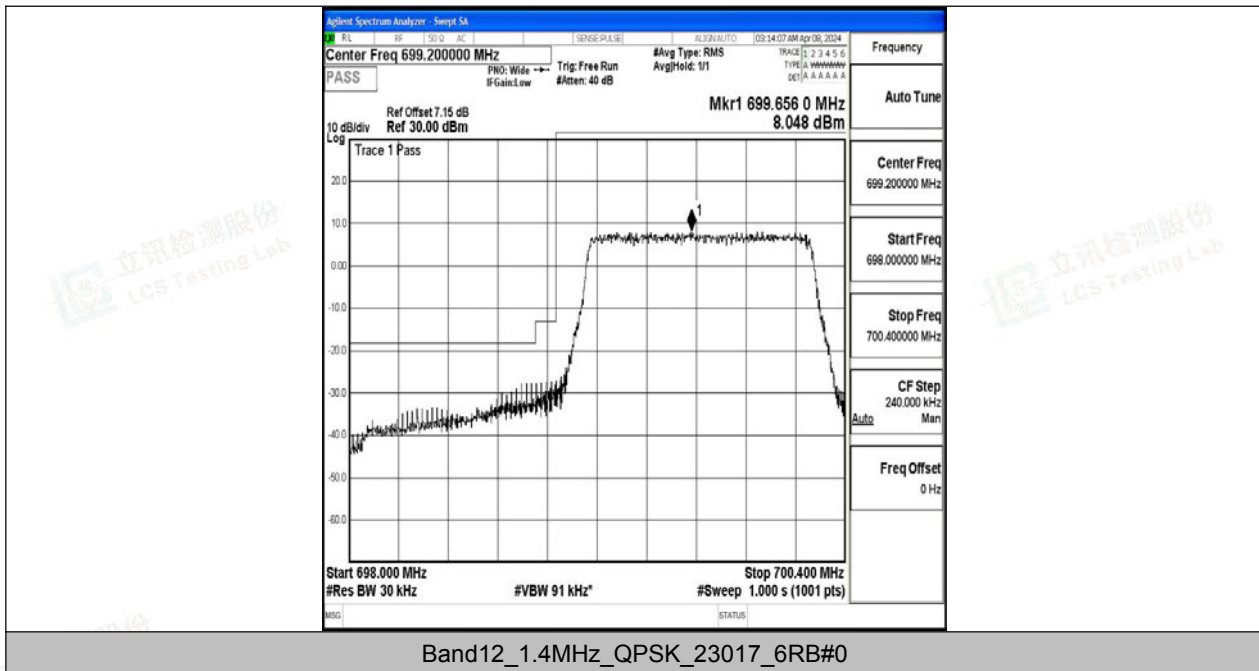


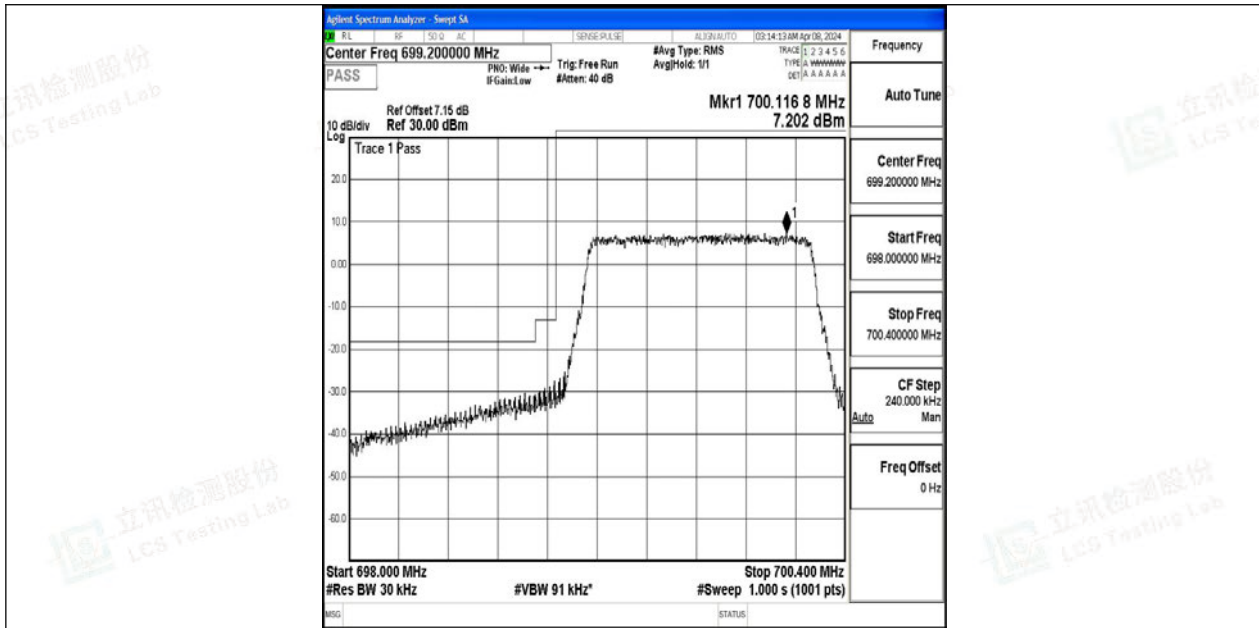
C.4 Band Edge

Test Result

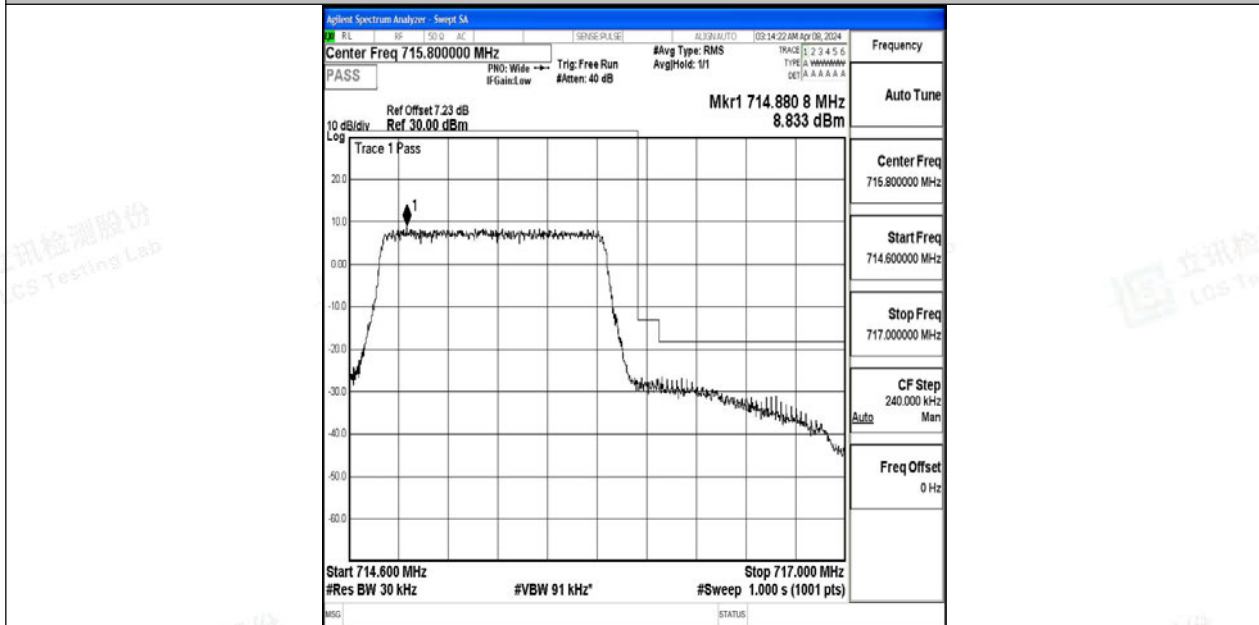
Band	Bandwidth	Modulation	Channel	RB Configuration	Peak Frequency	Result(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	698.88	-27.87	PASS
Band12	1.4MHz	64QAM	23017	6RB#0	698.85	-30.28	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	716.11	-26.54	PASS
Band12	1.4MHz	64QAM	23173	6RB#0	716.14	-26.29	PASS
Band12	3MHz	QPSK	23025	15RB#0	698.99	-23.69	PASS
Band12	3MHz	64QAM	23025	15RB#0	699.00	-24.70	PASS
Band12	3MHz	QPSK	23165	15RB#0	716.01	-23.07	PASS
Band12	3MHz	64QAM	23165	15RB#0	716.00	-25.92	PASS
Band12	5MHz	QPSK	23035	25RB#0	698.88	-35.03	PASS
Band12	5MHz	64QAM	23035	25RB#0	698.85	-35.79	PASS
Band12	5MHz	QPSK	23155	25RB#0	716.11	-34.14	PASS
Band12	5MHz	64QAM	23155	25RB#0	716.15	-34.64	PASS
Band12	10MHz	QPSK	23060	50RB#0	698.89	-38.58	PASS
Band12	10MHz	64QAM	23060	50RB#0	698.70	-40.16	PASS
Band12	10MHz	QPSK	23130	50RB#0	716.16	-40.08	PASS
Band12	10MHz	64QAM	23130	50RB#0	716.13	-40.70	PASS

Test Graphs



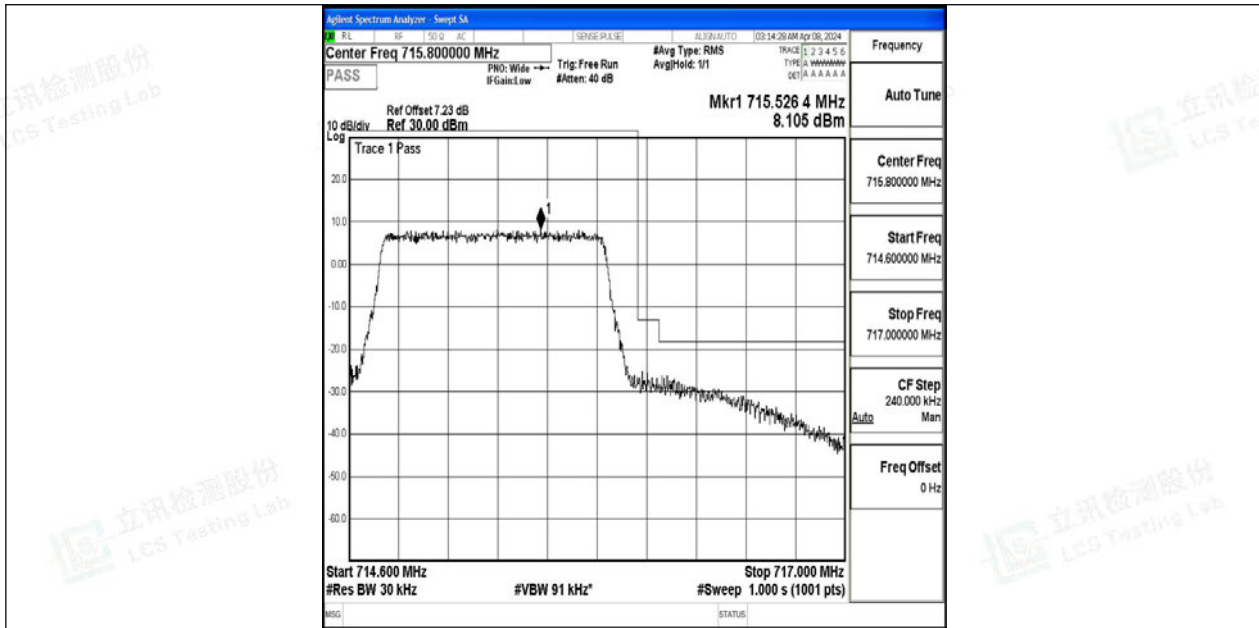


Band12_1.4MHz_64QAM_23017_6RB#0

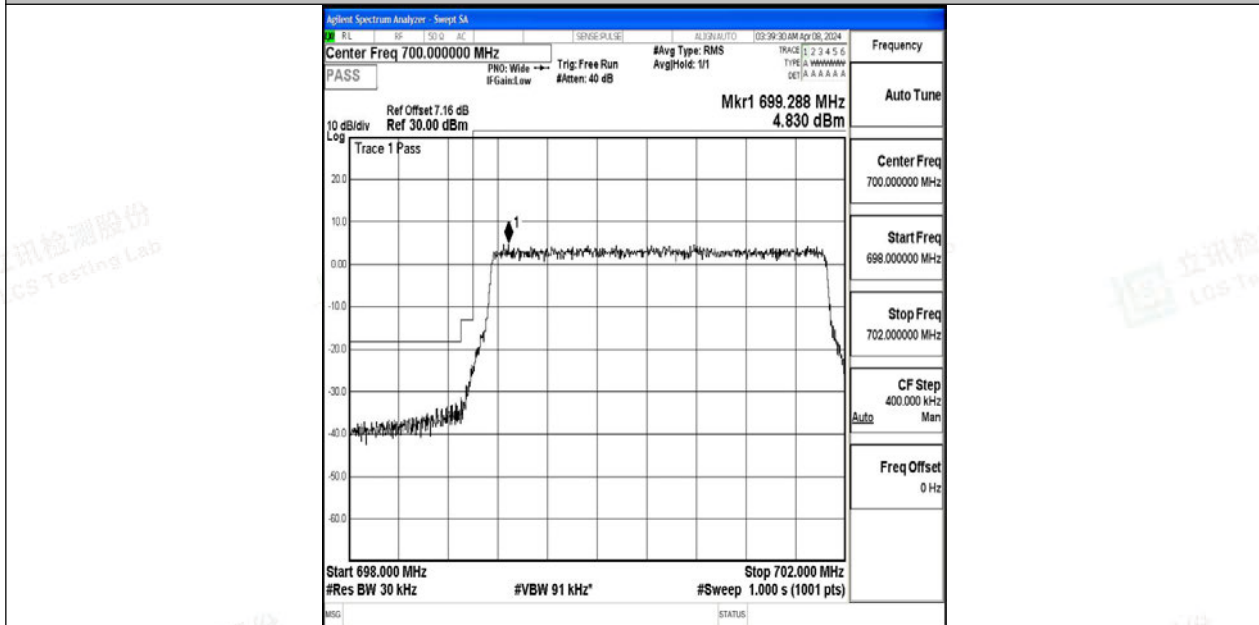


Band12_1.4MHz_QPSK_23173_6RB#0



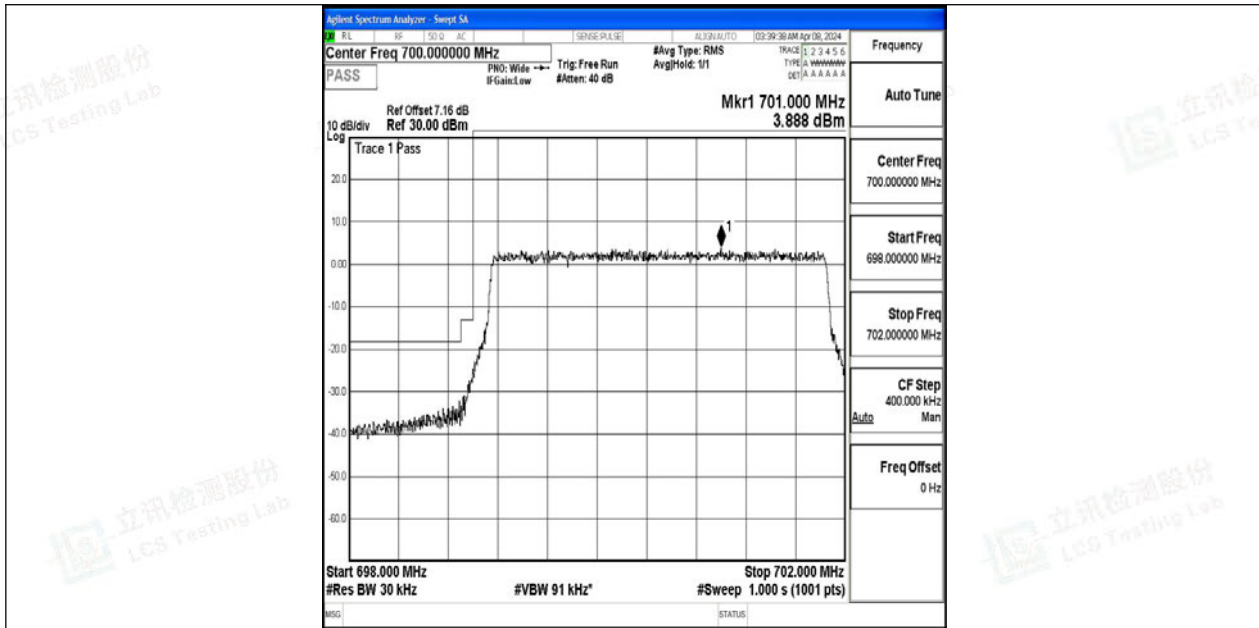


Band12_1.4MHz_64QAM_23173_6RB#0

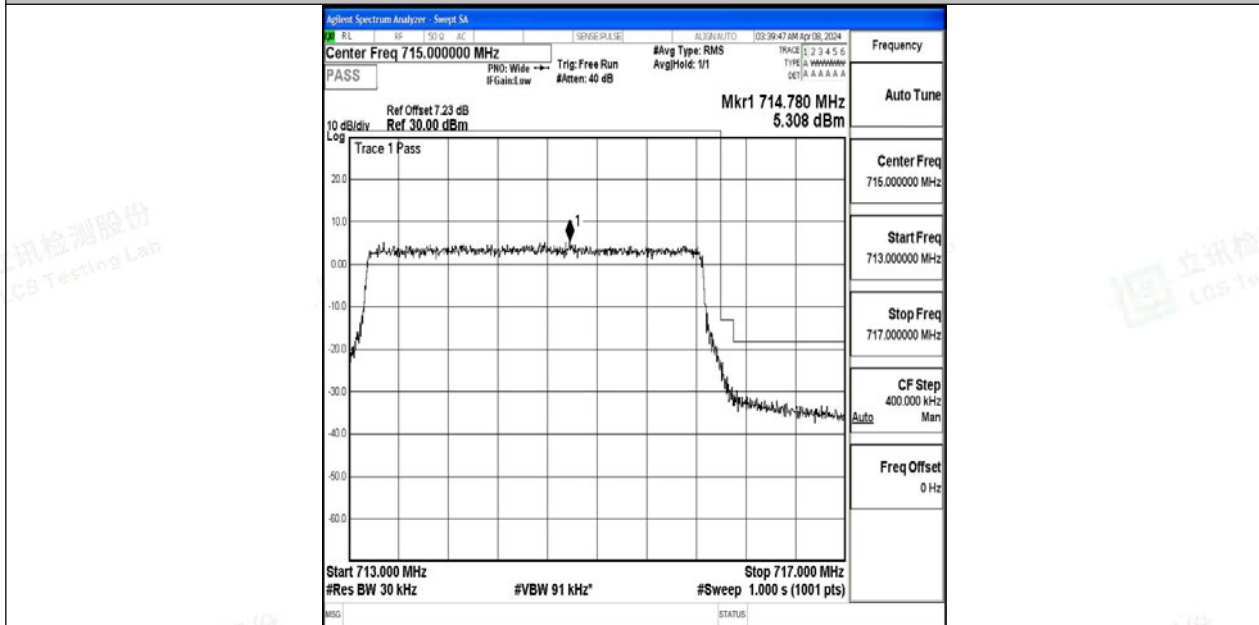


Band12_3MHz_QPSK_23025_15RB#0



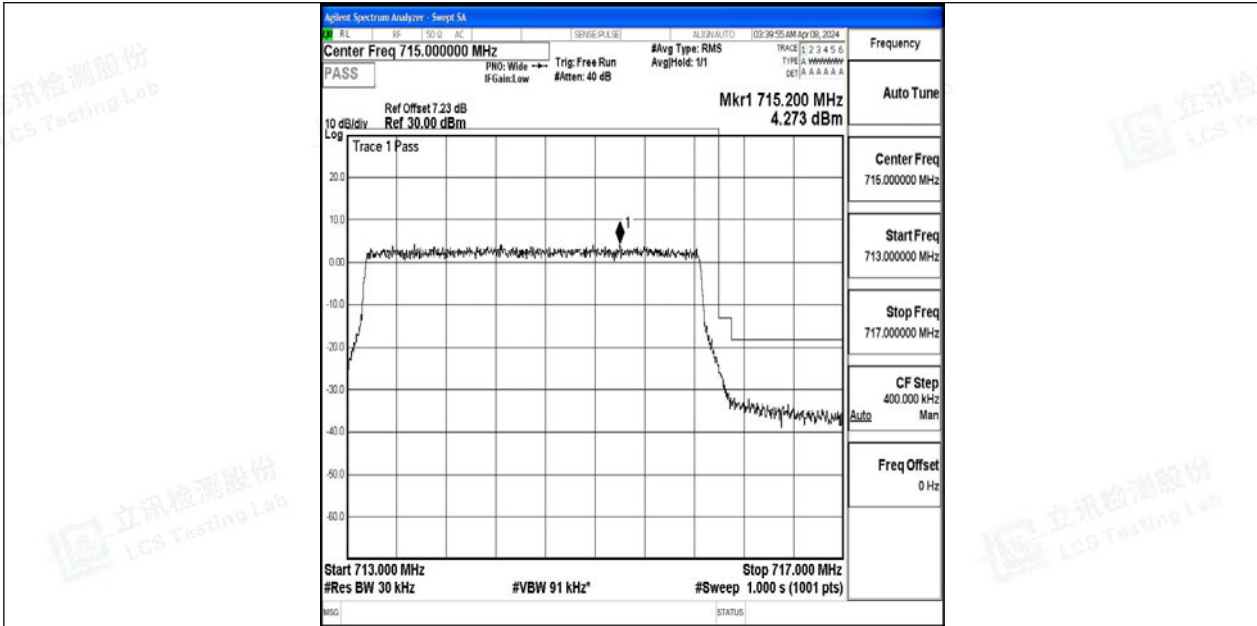


Band12_3MHz_64QAM_23025_15RB#0

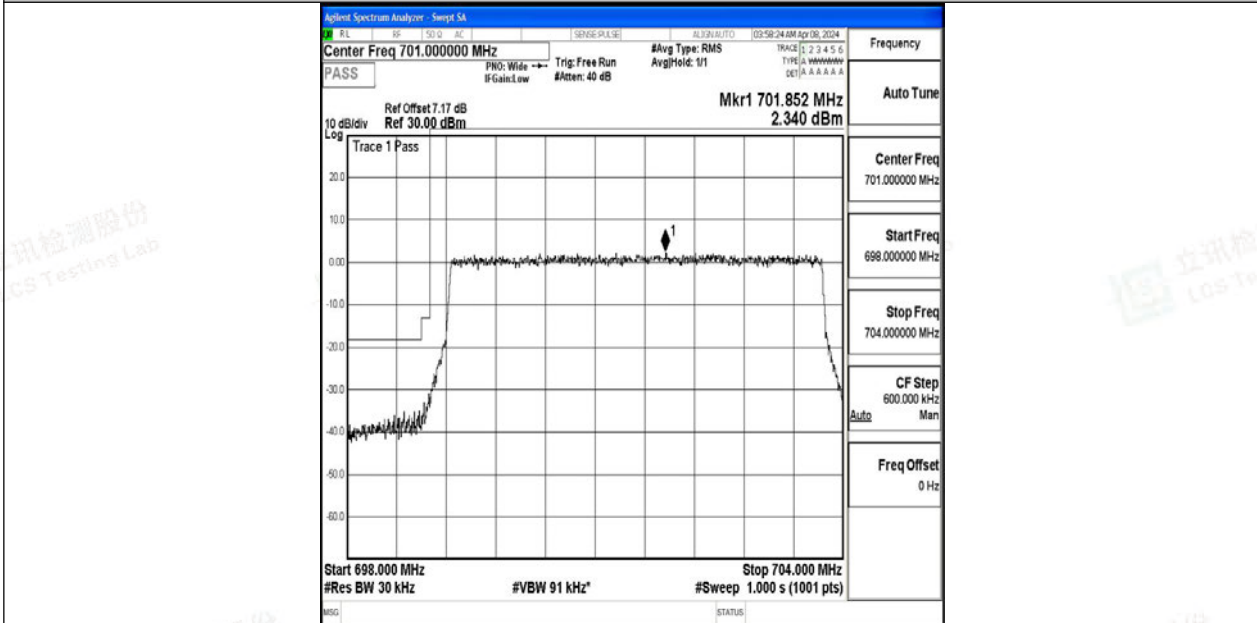


Band12_3MHz_QPSK_23165_15RB#0



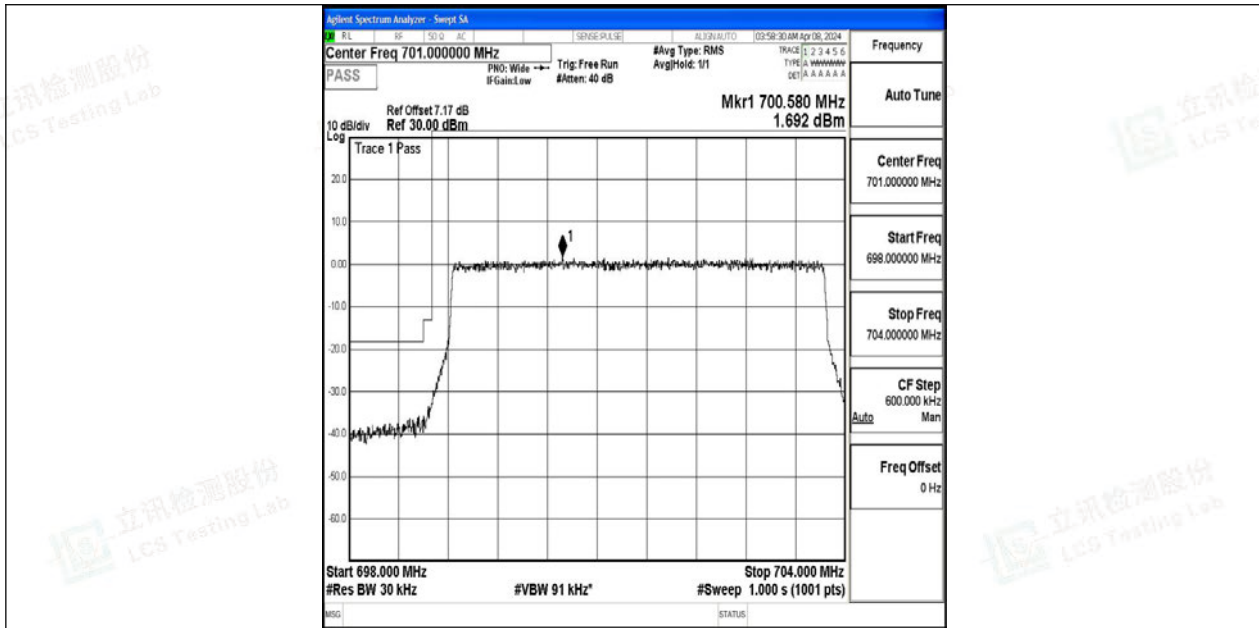


Band12_3MHz_64QAM_23165_15RB#0

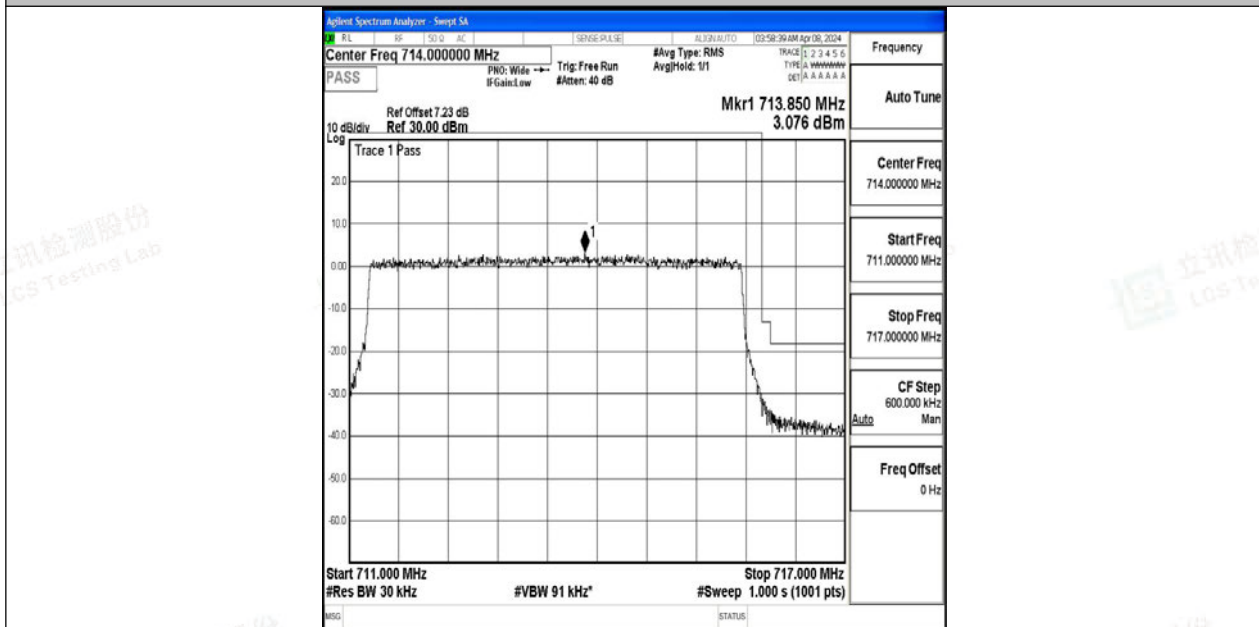


Band12_5MHz_QPSK_23035_25RB#0



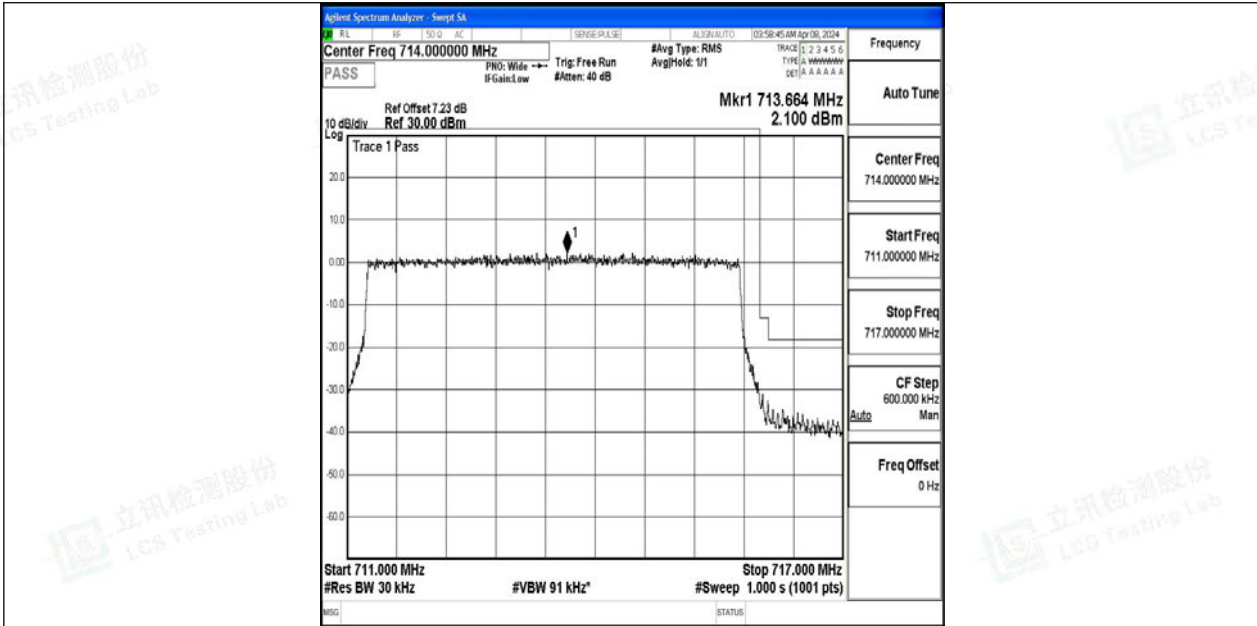


Band12_5MHz_64QAM_23035_25RB#0

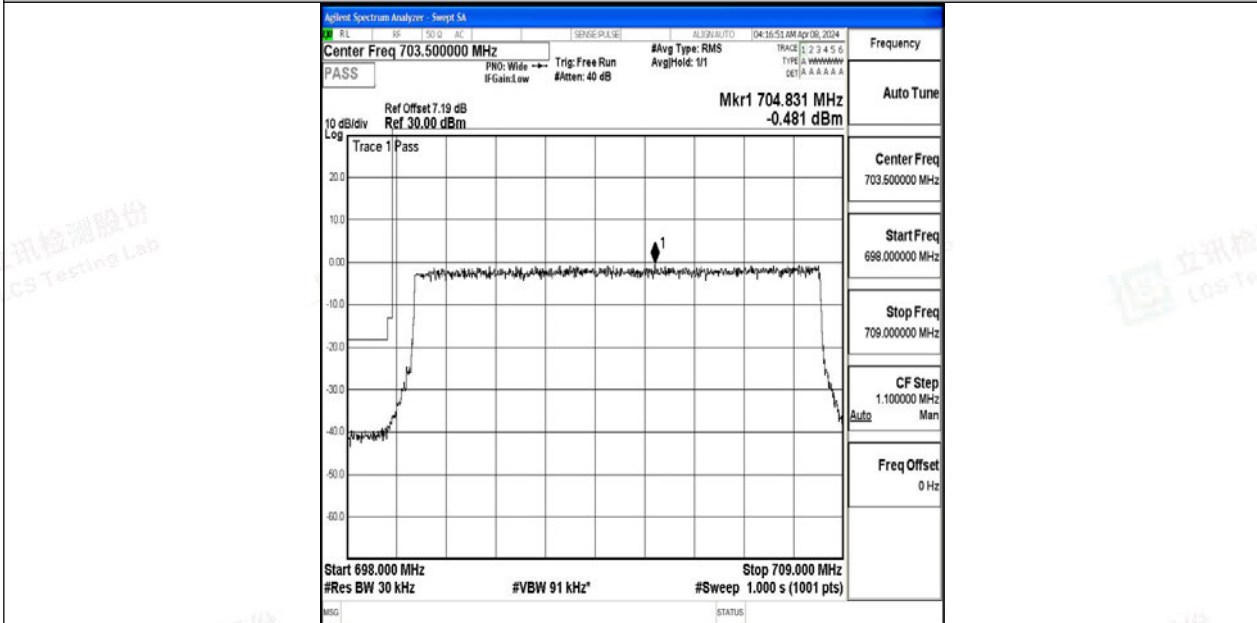


Band12_5MHz_QPSK_23155_25RB#0



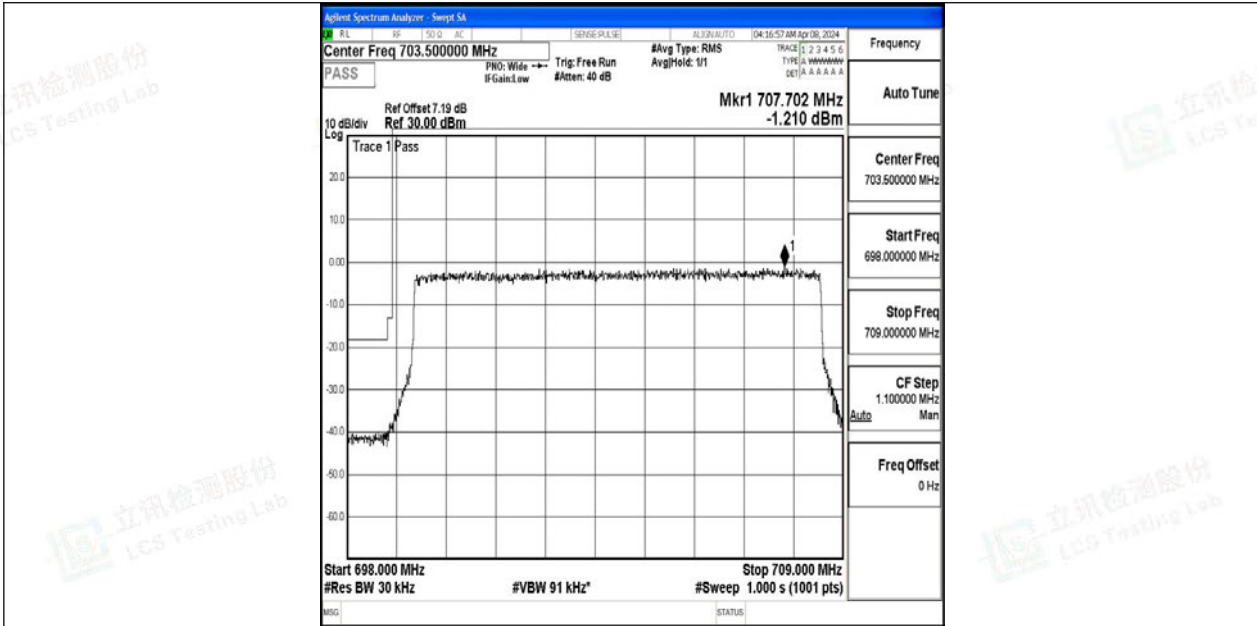


Band12_5MHz_64QAM_23155_25RB#0

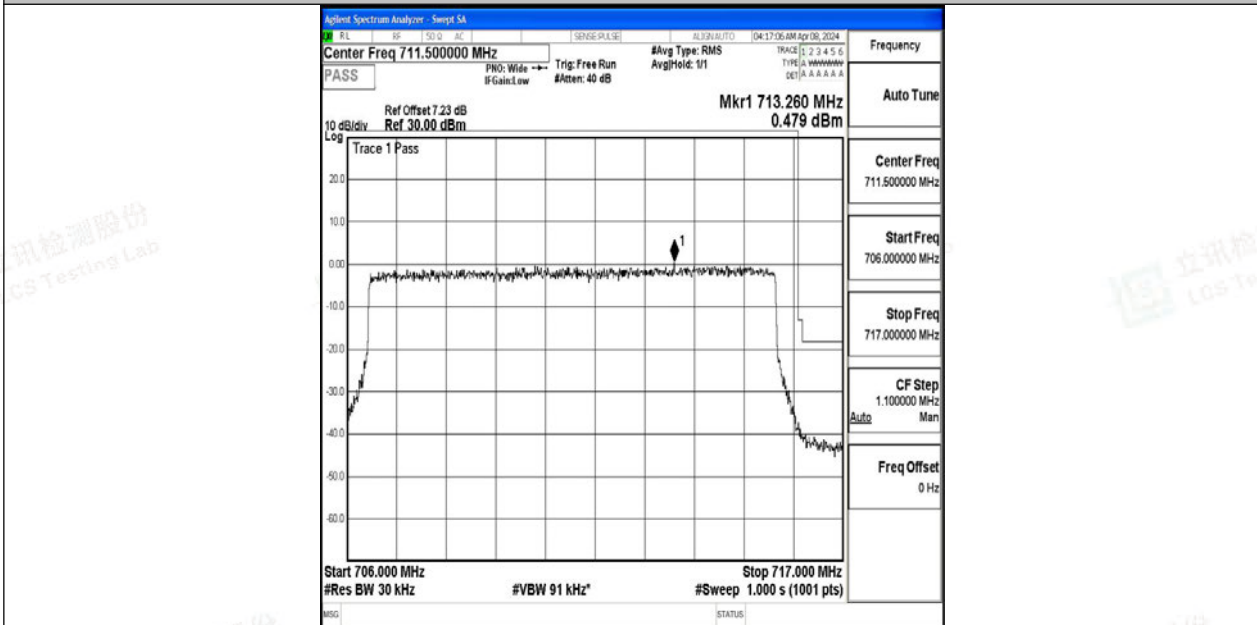


Band12_10MHz_QPSK_23060_50RB#0



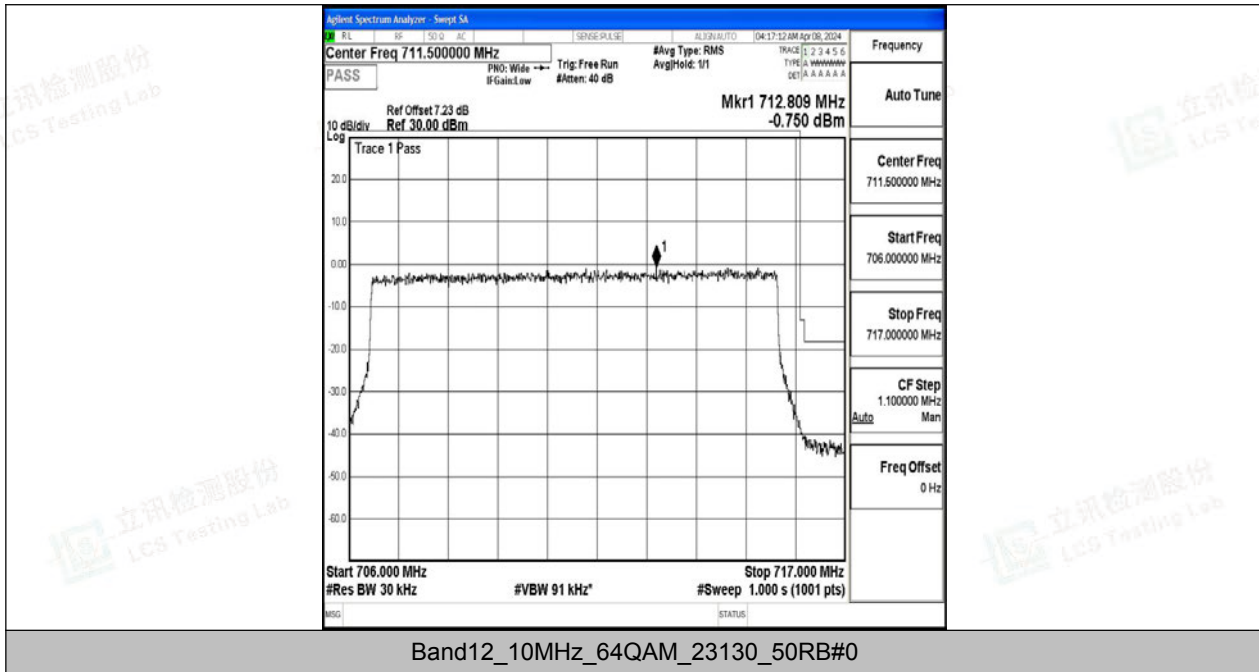


Band12_10MHz_64QAM_23060_50RB#0



Band12_10MHz_QPSK_23130_50RB#0







C.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	-56.58	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	0.15~30	-51.90	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	30~1000	-44.85	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	1000~3000	-45.25	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	3000~10000	-44.27	PASS
Band12	1.4MHz	64QAM	23017	1RB#0	0.009~0.15	-54.99	PASS
Band12	1.4MHz	64QAM	23017	1RB#0	0.15~30	-52.61	PASS
Band12	1.4MHz	64QAM	23017	1RB#0	30~1000	-46.55	PASS
Band12	1.4MHz	64QAM	23017	1RB#0	1000~3000	-44.32	PASS
Band12	1.4MHz	64QAM	23017	1RB#0	3000~10000	-44.06	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	0.009~0.15	-57.28	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	0.15~30	-52.17	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	30~1000	-44.62	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	1000~3000	-44.76	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	3000~10000	-44.19	PASS
Band12	1.4MHz	64QAM	23095	1RB#0	0.009~0.15	-58.31	PASS
Band12	1.4MHz	64QAM	23095	1RB#0	0.15~30	-52.95	PASS
Band12	1.4MHz	64QAM	23095	1RB#0	30~1000	-46.77	PASS
Band12	1.4MHz	64QAM	23095	1RB#0	1000~3000	-42.02	PASS
Band12	1.4MHz	64QAM	23095	1RB#0	3000~10000	-44.00	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	0.009~0.15	-56.40	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	0.15~30	-52.06	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	30~1000	-47.15	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	1000~3000	-44.83	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	3000~10000	-44.09	PASS
Band12	1.4MHz	64QAM	23173	1RB#0	0.009~0.15	-57.74	PASS
Band12	1.4MHz	64QAM	23173	1RB#0	0.15~30	-53.00	PASS
Band12	1.4MHz	64QAM	23173	1RB#0	30~1000	-43.81	PASS
Band12	1.4MHz	64QAM	23173	1RB#0	1000~3000	-45.00	PASS
Band12	1.4MHz	64QAM	23173	1RB#0	3000~10000	-44.05	PASS
Band12	3MHz	QPSK	23025	1RB#0	0.009~0.15	-56.26	PASS
Band12	3MHz	QPSK	23025	1RB#0	0.15~30	-49.87	PASS
Band12	3MHz	QPSK	23025	1RB#0	30~1000	-48.55	PASS
Band12	3MHz	QPSK	23025	1RB#0	1000~3000	-44.05	PASS
Band12	3MHz	QPSK	23025	1RB#0	3000~10000	-44.27	PASS
Band12	3MHz	64QAM	23025	1RB#0	0.009~0.15	-57.05	PASS





Band12	3MHz	64QAM	23025	1RB#0	0.15~30	-53.72	PASS
Band12	3MHz	64QAM	23025	1RB#0	30~1000	-46.71	PASS
Band12	3MHz	64QAM	23025	1RB#0	1000~3000	-44.59	PASS
Band12	3MHz	64QAM	23025	1RB#0	3000~10000	-43.82	PASS
Band12	3MHz	QPSK	23095	1RB#0	0.009~0.15	-59.09	PASS
Band12	3MHz	QPSK	23095	1RB#0	0.15~30	-53.55	PASS
Band12	3MHz	QPSK	23095	1RB#0	30~1000	-50.34	PASS
Band12	3MHz	QPSK	23095	1RB#0	1000~3000	-45.75	PASS
Band12	3MHz	QPSK	23095	1RB#0	3000~10000	-44.13	PASS
Band12	3MHz	64QAM	23095	1RB#0	0.009~0.15	-54.29	PASS
Band12	3MHz	64QAM	23095	1RB#0	0.15~30	-51.18	PASS
Band12	3MHz	64QAM	23095	1RB#0	30~1000	-48.46	PASS
Band12	3MHz	64QAM	23095	1RB#0	1000~3000	-45.49	PASS
Band12	3MHz	64QAM	23095	1RB#0	3000~10000	-44.01	PASS
Band12	3MHz	QPSK	23165	1RB#0	0.009~0.15	-60.62	PASS
Band12	3MHz	QPSK	23165	1RB#0	0.15~30	-52.75	PASS
Band12	3MHz	QPSK	23165	1RB#0	30~1000	-53.32	PASS
Band12	3MHz	QPSK	23165	1RB#0	1000~3000	-44.42	PASS
Band12	3MHz	QPSK	23165	1RB#0	3000~10000	-43.89	PASS
Band12	3MHz	64QAM	23165	1RB#0	0.009~0.15	-59.16	PASS
Band12	3MHz	64QAM	23165	1RB#0	0.15~30	-51.56	PASS
Band12	3MHz	64QAM	23165	1RB#0	30~1000	-49.06	PASS
Band12	3MHz	64QAM	23165	1RB#0	1000~3000	-44.28	PASS
Band12	3MHz	64QAM	23165	1RB#0	3000~10000	-44.09	PASS
Band12	5MHz	QPSK	23035	1RB#0	0.009~0.15	-56.85	PASS
Band12	5MHz	QPSK	23035	1RB#0	0.15~30	-54.14	PASS
Band12	5MHz	QPSK	23035	1RB#0	30~1000	-58.30	PASS
Band12	5MHz	QPSK	23035	1RB#0	1000~3000	-45.19	PASS
Band12	5MHz	QPSK	23035	1RB#0	3000~10000	-44.06	PASS
Band12	5MHz	64QAM	23035	1RB#0	0.009~0.15	-58.59	PASS
Band12	5MHz	64QAM	23035	1RB#0	0.15~30	-52.23	PASS
Band12	5MHz	64QAM	23035	1RB#0	30~1000	-58.01	PASS
Band12	5MHz	64QAM	23035	1RB#0	1000~3000	-45.99	PASS
Band12	5MHz	64QAM	23035	1RB#0	3000~10000	-43.50	PASS
Band12	5MHz	QPSK	23095	1RB#0	0.009~0.15	-58.07	PASS
Band12	5MHz	QPSK	23095	1RB#0	0.15~30	-51.41	PASS
Band12	5MHz	QPSK	23095	1RB#0	30~1000	-60.41	PASS
Band12	5MHz	QPSK	23095	1RB#0	1000~3000	-44.59	PASS
Band12	5MHz	QPSK	23095	1RB#0	3000~10000	-43.75	PASS
Band12	5MHz	64QAM	23095	1RB#0	0.009~0.15	-57.23	PASS
Band12	5MHz	64QAM	23095	1RB#0	0.15~30	-51.76	PASS
Band12	5MHz	64QAM	23095	1RB#0	30~1000	-61.96	PASS
Band12	5MHz	64QAM	23095	1RB#0	1000~3000	-46.80	PASS



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Scan code to check authenticity

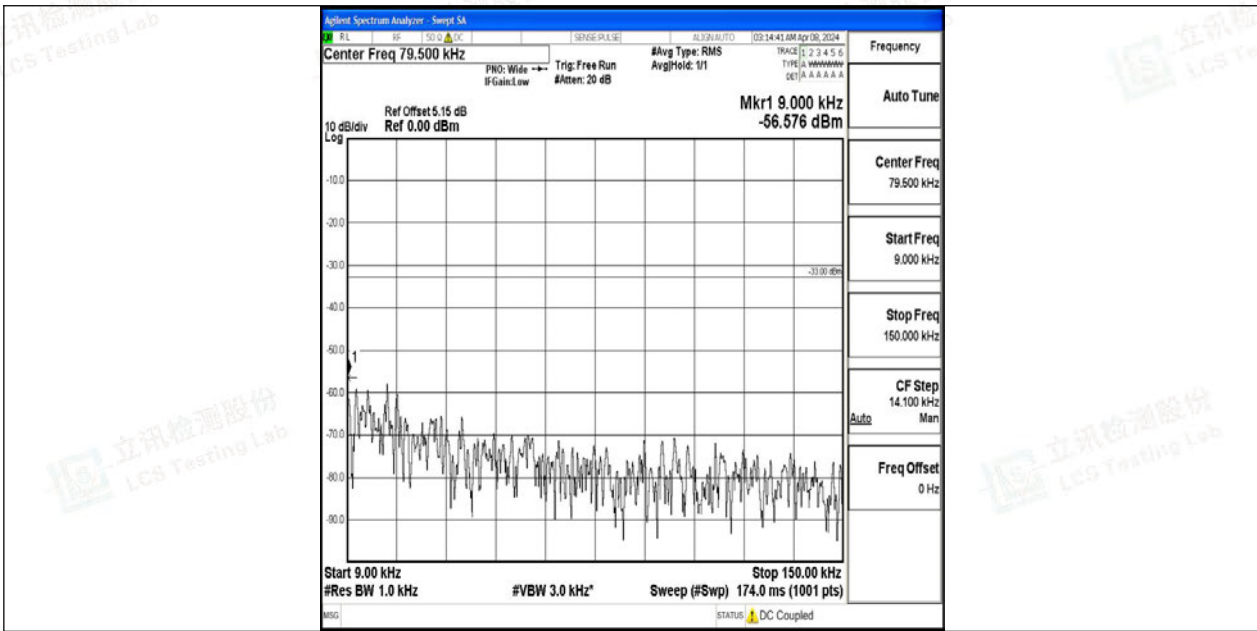


Band12	5MHz	64QAM	23095	1RB#0	3000~10000	-44.15	PASS
Band12	5MHz	QPSK	23155	1RB#0	0.009~0.15	-56.30	PASS
Band12	5MHz	QPSK	23155	1RB#0	0.15~30	-53.83	PASS
Band12	5MHz	QPSK	23155	1RB#0	30~1000	-60.75	PASS
Band12	5MHz	QPSK	23155	1RB#0	1000~3000	-44.08	PASS
Band12	5MHz	QPSK	23155	1RB#0	3000~10000	-43.99	PASS
Band12	5MHz	64QAM	23155	1RB#0	0.009~0.15	-56.99	PASS
Band12	5MHz	64QAM	23155	1RB#0	0.15~30	-51.72	PASS
Band12	5MHz	64QAM	23155	1RB#0	30~1000	-60.15	PASS
Band12	5MHz	64QAM	23155	1RB#0	1000~3000	-46.59	PASS
Band12	5MHz	64QAM	23155	1RB#0	3000~10000	-44.18	PASS
Band12	10MHz	QPSK	23060	1RB#0	0.009~0.15	-57.42	PASS
Band12	10MHz	QPSK	23060	1RB#0	0.15~30	-52.19	PASS
Band12	10MHz	QPSK	23060	1RB#0	30~1000	-62.70	PASS
Band12	10MHz	QPSK	23060	1RB#0	1000~3000	-45.19	PASS
Band12	10MHz	QPSK	23060	1RB#0	3000~10000	-44.13	PASS
Band12	10MHz	64QAM	23060	1RB#0	0.009~0.15	-55.82	PASS
Band12	10MHz	64QAM	23060	1RB#0	0.15~30	-52.83	PASS
Band12	10MHz	64QAM	23060	1RB#0	30~1000	-62.64	PASS
Band12	10MHz	64QAM	23060	1RB#0	1000~3000	-46.10	PASS
Band12	10MHz	64QAM	23060	1RB#0	3000~10000	-44.10	PASS
Band12	10MHz	QPSK	23095	1RB#0	0.009~0.15	-56.67	PASS
Band12	10MHz	QPSK	23095	1RB#0	0.15~30	-51.63	PASS
Band12	10MHz	QPSK	23095	1RB#0	30~1000	-62.55	PASS
Band12	10MHz	QPSK	23095	1RB#0	1000~3000	-45.39	PASS
Band12	10MHz	QPSK	23095	1RB#0	3000~10000	-43.81	PASS
Band12	10MHz	64QAM	23095	1RB#0	0.009~0.15	-54.57	PASS
Band12	10MHz	64QAM	23095	1RB#0	0.15~30	-53.09	PASS
Band12	10MHz	64QAM	23095	1RB#0	30~1000	-62.88	PASS
Band12	10MHz	64QAM	23095	1RB#0	1000~3000	-45.35	PASS
Band12	10MHz	64QAM	23095	1RB#0	3000~10000	-43.70	PASS
Band12	10MHz	QPSK	23130	1RB#0	0.009~0.15	-58.18	PASS
Band12	10MHz	QPSK	23130	1RB#0	0.15~30	-51.93	PASS
Band12	10MHz	QPSK	23130	1RB#0	30~1000	-62.26	PASS
Band12	10MHz	QPSK	23130	1RB#0	1000~3000	-44.92	PASS
Band12	10MHz	QPSK	23130	1RB#0	3000~10000	-43.76	PASS
Band12	10MHz	64QAM	23130	1RB#0	0.009~0.15	-60.53	PASS
Band12	10MHz	64QAM	23130	1RB#0	0.15~30	-52.14	PASS
Band12	10MHz	64QAM	23130	1RB#0	30~1000	-62.37	PASS
Band12	10MHz	64QAM	23130	1RB#0	1000~3000	-45.26	PASS
Band12	10MHz	64QAM	23130	1RB#0	3000~10000	-43.78	PASS

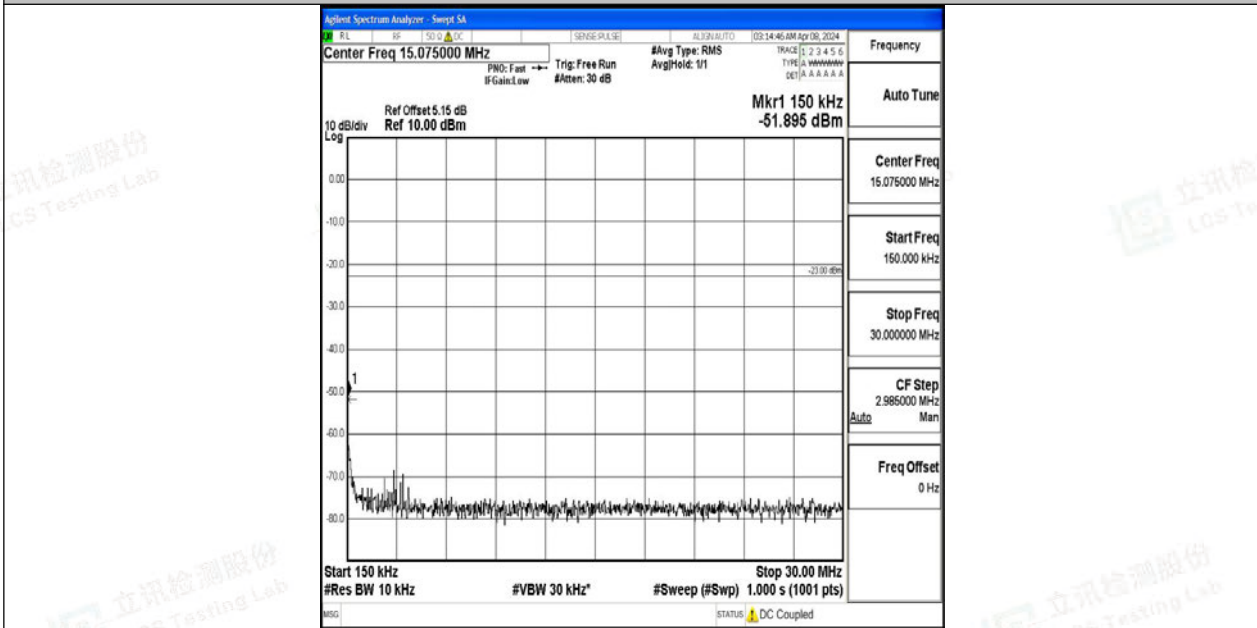




Test Graphs



Band12_1.4MHz_QPSK_23017_1RB#0_0.009~0.15_0.009~0.15



Band12_1.4MHz_QPSK_23017_1RB#0_0.15~30_0.15~30

