



## Appendix L: Test Data for E-UTRA Band 12

Product Name: smart handheld terminal

Test Model: KP36

### 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	23.19	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	23.33	PASS
Band12	1.4MHz	QPSK	23017	1RB#2	23.37	PASS
Band12	1.4MHz	16QAM	23017	1RB#2	23.33	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	23.38	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	23.39	PASS
Band12	1.4MHz	QPSK	23017	3RB#0	22.50	PASS
Band12	1.4MHz	16QAM	23017	3RB#0	23.65	PASS
Band12	1.4MHz	QPSK	23017	3RB#1	23.74	PASS
Band12	1.4MHz	16QAM	23017	3RB#1	23.76	PASS
Band12	1.4MHz	QPSK	23017	3RB#3	23.70	PASS
Band12	1.4MHz	16QAM	23017	3RB#3	23.84	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	23.74	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	22.80	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	23.80	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	23.79	PASS
Band12	1.4MHz	QPSK	23095	1RB#2	23.74	PASS
Band12	1.4MHz	16QAM	23095	1RB#2	23.85	PASS
Band12	1.4MHz	QPSK	23095	1RB#5	23.79	PASS
Band12	1.4MHz	16QAM	23095	1RB#5	23.70	PASS
Band12	1.4MHz	QPSK	23095	3RB#0	22.97	PASS
Band12	1.4MHz	16QAM	23095	3RB#0	22.47	PASS
Band12	1.4MHz	QPSK	23095	3RB#1	22.44	PASS
Band12	1.4MHz	16QAM	23095	3RB#1	22.22	PASS
Band12	1.4MHz	QPSK	23095	3RB#3	22.40	PASS
Band12	1.4MHz	16QAM	23095	3RB#3	22.43	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	22.46	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	21.53	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	22.67	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	22.73	PASS
Band12	1.4MHz	QPSK	23173	1RB#2	22.51	PASS
Band12	1.4MHz	16QAM	23173	1RB#2	22.58	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	22.64	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	22.47	PASS
Band12	1.4MHz	QPSK	23173	3RB#0	21.85	PASS



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Scan code to check authenticity



Band12	1.4MHz	16QAM	23173	3RB#0	22.79	PASS
Band12	1.4MHz	QPSK	23173	3RB#1	23.19	PASS
Band12	1.4MHz	16QAM	23173	3RB#1	22.83	PASS
Band12	1.4MHz	QPSK	23173	3RB#3	22.70	PASS
Band12	1.4MHz	16QAM	23173	3RB#3	22.56	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	22.74	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	21.96	PASS
Band12	3MHz	QPSK	23025	1RB#0	23.34	PASS
Band12	3MHz	16QAM	23025	1RB#0	23.39	PASS
Band12	3MHz	QPSK	23025	1RB#8	23.35	PASS
Band12	3MHz	16QAM	23025	1RB#8	22.31	PASS
Band12	3MHz	QPSK	23025	1RB#14	22.25	PASS
Band12	3MHz	16QAM	23025	1RB#14	22.31	PASS
Band12	3MHz	QPSK	23025	8RB#0	22.25	PASS
Band12	3MHz	16QAM	23025	8RB#0	23.30	PASS
Band12	3MHz	QPSK	23025	8RB#4	23.43	PASS
Band12	3MHz	16QAM	23025	8RB#4	23.35	PASS
Band12	3MHz	QPSK	23025	8RB#7	22.26	PASS
Band12	3MHz	16QAM	23025	8RB#7	22.32	PASS
Band12	3MHz	QPSK	23025	15RB#0	22.36	PASS
Band12	3MHz	16QAM	23025	15RB#0	22.26	PASS
Band12	3MHz	QPSK	23095	1RB#0	23.28	PASS
Band12	3MHz	16QAM	23095	1RB#0	23.16	PASS
Band12	3MHz	QPSK	23095	1RB#8	23.09	PASS
Band12	3MHz	16QAM	23095	1RB#8	22.26	PASS
Band12	3MHz	QPSK	23095	1RB#14	22.26	PASS
Band12	3MHz	16QAM	23095	1RB#14	22.23	PASS
Band12	3MHz	QPSK	23095	8RB#0	22.16	PASS
Band12	3MHz	16QAM	23095	8RB#0	22.19	PASS
Band12	3MHz	QPSK	23095	8RB#4	22.32	PASS
Band12	3MHz	16QAM	23095	8RB#4	22.33	PASS
Band12	3MHz	QPSK	23095	8RB#7	21.30	PASS
Band12	3MHz	16QAM	23095	8RB#7	21.33	PASS
Band12	3MHz	QPSK	23095	15RB#0	21.23	PASS
Band12	3MHz	16QAM	23095	15RB#0	21.19	PASS
Band12	3MHz	QPSK	23165	1RB#0	22.34	PASS
Band12	3MHz	16QAM	23165	1RB#0	22.39	PASS
Band12	3MHz	QPSK	23165	1RB#8	22.27	PASS
Band12	3MHz	16QAM	23165	1RB#8	21.42	PASS
Band12	3MHz	QPSK	23165	1RB#14	21.31	PASS



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Band12	3MHz	16QAM	23165	1RB#14	21.27	PASS
Band12	3MHz	QPSK	23165	8RB#0	21.42	PASS
Band12	3MHz	16QAM	23165	8RB#0	22.21	PASS
Band12	3MHz	QPSK	23165	8RB#4	22.11	PASS
Band12	3MHz	16QAM	23165	8RB#4	22.19	PASS
Band12	3MHz	QPSK	23165	8RB#7	21.32	PASS
Band12	3MHz	16QAM	23165	8RB#7	21.21	PASS
Band12	3MHz	QPSK	23165	15RB#0	21.22	PASS
Band12	3MHz	16QAM	23165	15RB#0	21.15	PASS
Band12	5MHz	QPSK	23035	1RB#0	21.63	PASS
Band12	5MHz	16QAM	23035	1RB#0	21.81	PASS
Band12	5MHz	QPSK	23035	1RB#12	21.75	PASS
Band12	5MHz	16QAM	23035	1RB#12	20.71	PASS
Band12	5MHz	QPSK	23035	1RB#24	20.78	PASS
Band12	5MHz	16QAM	23035	1RB#24	20.73	PASS
Band12	5MHz	QPSK	23035	12RB#0	20.70	PASS
Band12	5MHz	16QAM	23035	12RB#0	21.89	PASS
Band12	5MHz	QPSK	23035	12RB#6	21.89	PASS
Band12	5MHz	16QAM	23035	12RB#6	21.71	PASS
Band12	5MHz	QPSK	23035	12RB#13	22.50	PASS
Band12	5MHz	16QAM	23035	12RB#13	22.27	PASS
Band12	5MHz	QPSK	23035	25RB#0	22.13	PASS
Band12	5MHz	16QAM	23035	25RB#0	21.51	PASS
Band12	5MHz	QPSK	23095	1RB#0	21.47	PASS
Band12	5MHz	16QAM	23095	1RB#0	21.26	PASS
Band12	5MHz	QPSK	23095	1RB#12	21.33	PASS
Band12	5MHz	16QAM	23095	1RB#12	22.25	PASS
Band12	5MHz	QPSK	23095	1RB#24	22.38	PASS
Band12	5MHz	16QAM	23095	1RB#24	22.19	PASS
Band12	5MHz	QPSK	23095	12RB#0	21.48	PASS
Band12	5MHz	16QAM	23095	12RB#0	21.38	PASS
Band12	5MHz	QPSK	23095	12RB#6	21.43	PASS
Band12	5MHz	16QAM	23095	12RB#6	21.37	PASS
Band12	5MHz	QPSK	23095	12RB#13	22.64	PASS
Band12	5MHz	16QAM	23095	12RB#13	22.67	PASS
Band12	5MHz	QPSK	23095	25RB#0	22.49	PASS
Band12	5MHz	16QAM	23095	25RB#0	21.68	PASS
Band12	5MHz	QPSK	23155	1RB#0	21.69	PASS
Band12	5MHz	16QAM	23155	1RB#0	21.68	PASS
Band12	5MHz	QPSK	23155	1RB#12	21.70	PASS



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Band12	5MHz	16QAM	23155	1RB#12	22.47	PASS
Band12	5MHz	QPSK	23155	1RB#24	22.33	PASS
Band12	5MHz	16QAM	23155	1RB#24	22.12	PASS
Band12	5MHz	QPSK	23155	12RB#0	21.45	PASS
Band12	5MHz	16QAM	23155	12RB#0	21.36	PASS
Band12	5MHz	QPSK	23155	12RB#6	21.20	PASS
Band12	5MHz	16QAM	23155	12RB#6	21.33	PASS
Band12	5MHz	QPSK	23155	12RB#13	22.23	PASS
Band12	5MHz	16QAM	23155	12RB#13	22.34	PASS
Band12	5MHz	QPSK	23155	25RB#0	22.21	PASS
Band12	5MHz	16QAM	23155	25RB#0	21.51	PASS
Band12	10MHz	QPSK	23060	1RB#0	21.39	PASS
Band12	10MHz	16QAM	23060	1RB#0	21.45	PASS
Band12	10MHz	QPSK	23060	1RB#24	21.40	PASS
Band12	10MHz	16QAM	23060	1RB#24	22.55	PASS
Band12	10MHz	QPSK	23060	1RB#49	22.64	PASS
Band12	10MHz	16QAM	23060	1RB#49	22.41	PASS
Band12	10MHz	QPSK	23060	25RB#0	21.70	PASS
Band12	10MHz	16QAM	23060	25RB#0	21.68	PASS
Band12	10MHz	QPSK	23060	25RB#12	21.70	PASS
Band12	10MHz	16QAM	23060	25RB#12	21.70	PASS
Band12	10MHz	QPSK	23060	25RB#25	21.52	PASS
Band12	10MHz	16QAM	23060	25RB#25	21.38	PASS
Band12	10MHz	QPSK	23060	50RB#0	21.44	PASS
Band12	10MHz	16QAM	23060	50RB#0	20.38	PASS
Band12	10MHz	QPSK	23095	1RB#0	20.15	PASS
Band12	10MHz	16QAM	23095	1RB#0	20.21	PASS
Band12	10MHz	QPSK	23095	1RB#24	20.36	PASS
Band12	10MHz	16QAM	23095	1RB#24	20.98	PASS
Band12	10MHz	QPSK	23095	1RB#49	21.03	PASS
Band12	10MHz	16QAM	23095	1RB#49	21.20	PASS
Band12	10MHz	QPSK	23095	25RB#0	20.23	PASS
Band12	10MHz	16QAM	23095	25RB#0	20.30	PASS
Band12	10MHz	QPSK	23095	25RB#12	20.23	PASS
Band12	10MHz	16QAM	23095	25RB#12	20.22	PASS
Band12	10MHz	QPSK	23095	25RB#25	21.52	PASS
Band12	10MHz	16QAM	23095	25RB#25	21.35	PASS
Band12	10MHz	QPSK	23095	50RB#0	21.50	PASS
Band12	10MHz	16QAM	23095	50RB#0	20.63	PASS
Band12	10MHz	QPSK	23130	1RB#0	20.65	PASS



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Band12	10MHz	16QAM	23130	1RB#0	22.00	PASS
Band12	10MHz	QPSK	23130	1RB#24	21.82	PASS
Band12	10MHz	16QAM	23130	1RB#24	21.75	PASS
Band12	10MHz	QPSK	23130	1RB#49	22.07	PASS
Band12	10MHz	16QAM	23130	1RB#49	21.99	PASS
Band12	10MHz	QPSK	23130	25RB#0	21.87	PASS
Band12	10MHz	16QAM	23130	25RB#0	20.50	PASS
Band12	10MHz	QPSK	23130	25RB#12	21.73	PASS
Band12	10MHz	16QAM	23130	25RB#12	21.97	PASS
Band12	10MHz	QPSK	23130	25RB#25	21.84	PASS
Band12	10MHz	16QAM	23130	25RB#25	21.79	PASS
Band12	10MHz	QPSK	23130	50RB#0	21.90	PASS
Band12	10MHz	16QAM	23130	50RB#0	21.45	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	4.85	13	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	5.33	13	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	5.43	13	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	6.16	13	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	4.70	13	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	5.21	13	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	5.31	13	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	6.03	13	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	4.16	13	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	4.74	13	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	4.82	13	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	5.47	13	PASS
Band12	3MHz	QPSK	23025	1RB#0	4.81	13	PASS
Band12	3MHz	16QAM	23025	1RB#0	5.64	13	PASS
Band12	3MHz	QPSK	23025	15RB#0	5.35	13	PASS
Band12	3MHz	16QAM	23025	15RB#0	6.11	13	PASS
Band12	3MHz	QPSK	23095	1RB#0	4.76	13	PASS
Band12	3MHz	16QAM	23095	1RB#0	5.55	13	PASS
Band12	3MHz	QPSK	23095	15RB#0	5.37	13	PASS
Band12	3MHz	16QAM	23095	15RB#0	6.11	13	PASS
Band12	3MHz	QPSK	23165	1RB#0	4.51	13	PASS
Band12	3MHz	16QAM	23165	1RB#0	5.26	13	PASS
Band12	3MHz	QPSK	23165	15RB#0	4.98	13	PASS
Band12	3MHz	16QAM	23165	15RB#0	5.72	13	PASS
Band12	5MHz	QPSK	23035	1RB#0	4.88	13	PASS
Band12	5MHz	16QAM	23035	1RB#0	5.62	13	PASS
Band12	5MHz	QPSK	23035	25RB#0	5.49	13	PASS
Band12	5MHz	16QAM	23035	25RB#0	6.14	13	PASS
Band12	5MHz	QPSK	23095	1RB#0	4.86	13	PASS
Band12	5MHz	16QAM	23095	1RB#0	5.48	13	PASS
Band12	5MHz	QPSK	23095	25RB#0	5.49	13	PASS
Band12	5MHz	16QAM	23095	25RB#0	6.12	13	PASS
Band12	5MHz	QPSK	23155	1RB#0	4.75	13	PASS
Band12	5MHz	16QAM	23155	1RB#0	5.51	13	PASS
Band12	5MHz	QPSK	23155	25RB#0	5.30	13	PASS



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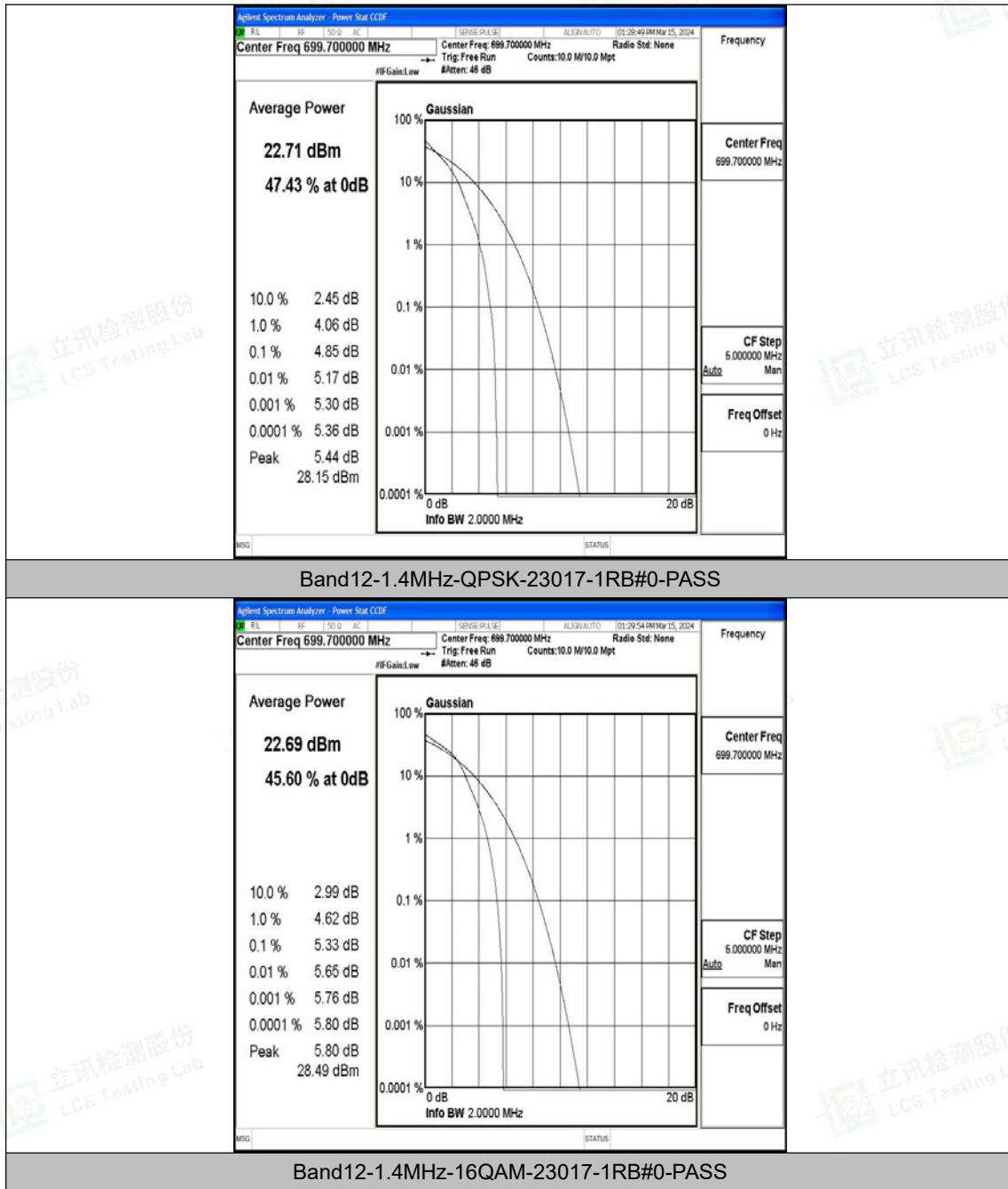
Band12	5MHz	16QAM	23155	25RB#0	5.92	13	PASS
Band12	10MHz	QPSK	23060	1RB#0	4.80	13	PASS
Band12	10MHz	16QAM	23060	1RB#0	5.64	13	PASS
Band12	10MHz	QPSK	23060	50RB#0	5.49	13	PASS
Band12	10MHz	16QAM	23060	50RB#0	6.16	13	PASS
Band12	10MHz	QPSK	23095	1RB#0	4.86	13	PASS
Band12	10MHz	16QAM	23095	1RB#0	5.53	13	PASS
Band12	10MHz	QPSK	23095	50RB#0	5.53	13	PASS
Band12	10MHz	16QAM	23095	50RB#0	6.19	13	PASS
Band12	10MHz	QPSK	23130	1RB#0	4.79	13	PASS
Band12	10MHz	16QAM	23130	1RB#0	5.58	13	PASS
Band12	10MHz	QPSK	23130	50RB#0	5.40	13	PASS
Band12	10MHz	16QAM	23130	50RB#0	6.11	13	PASS

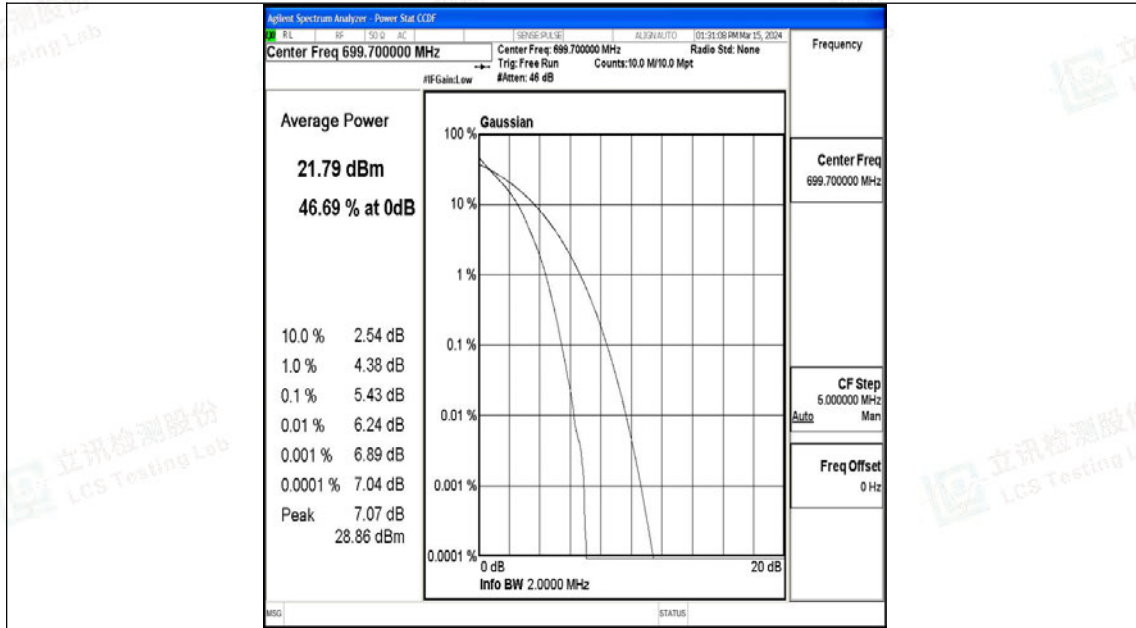




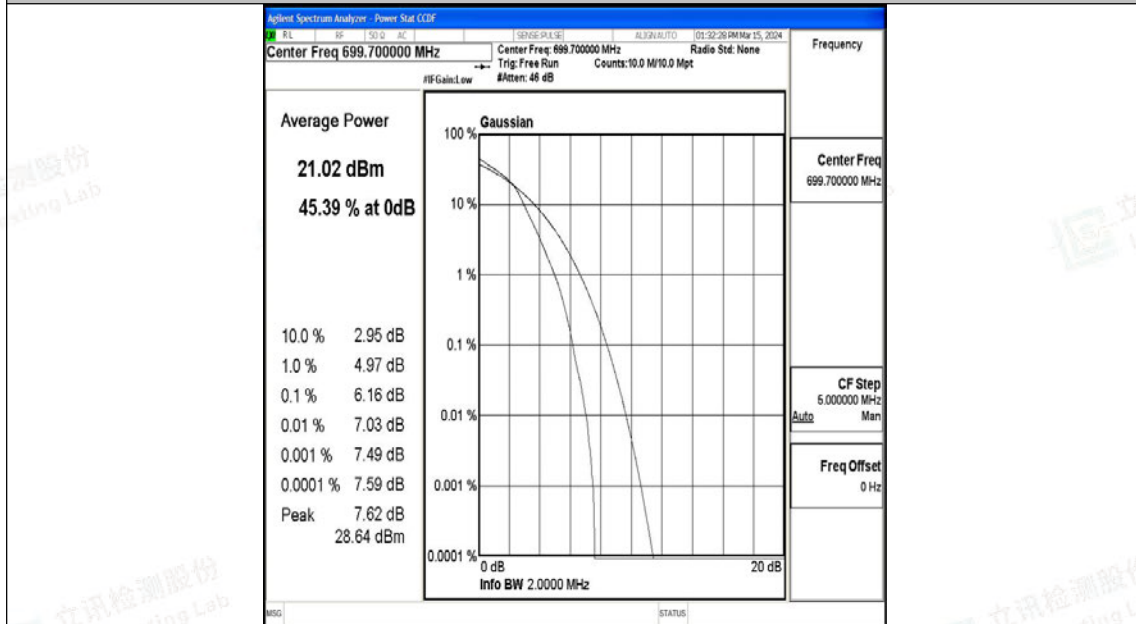


### Test Graphs



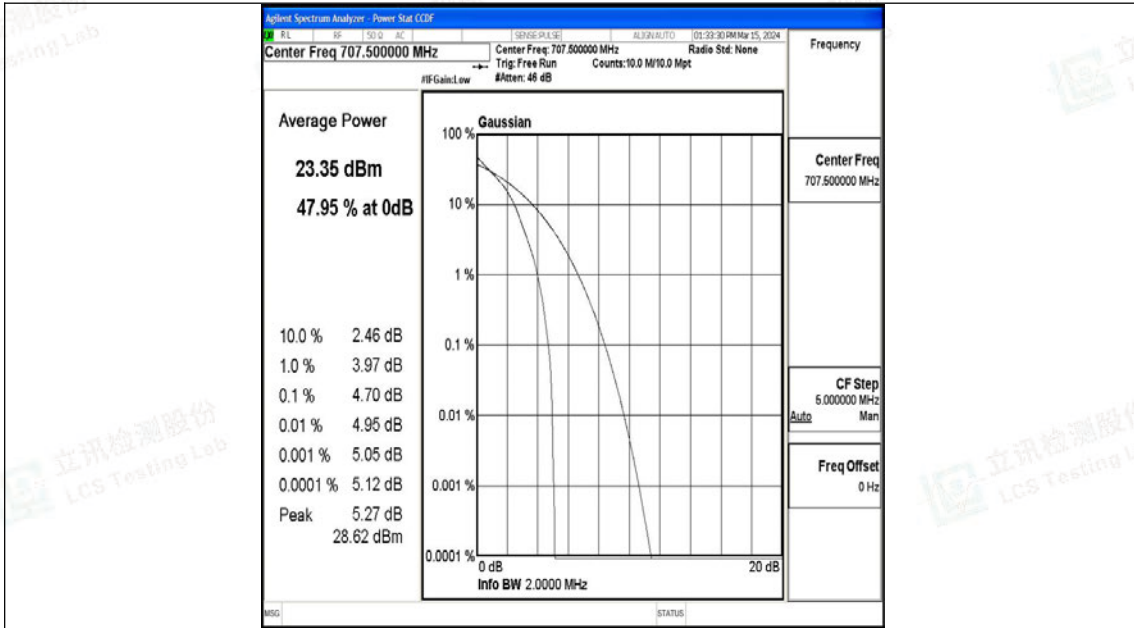


Band12-1.4MHz-QPSK-23017-6RB#0-PASS

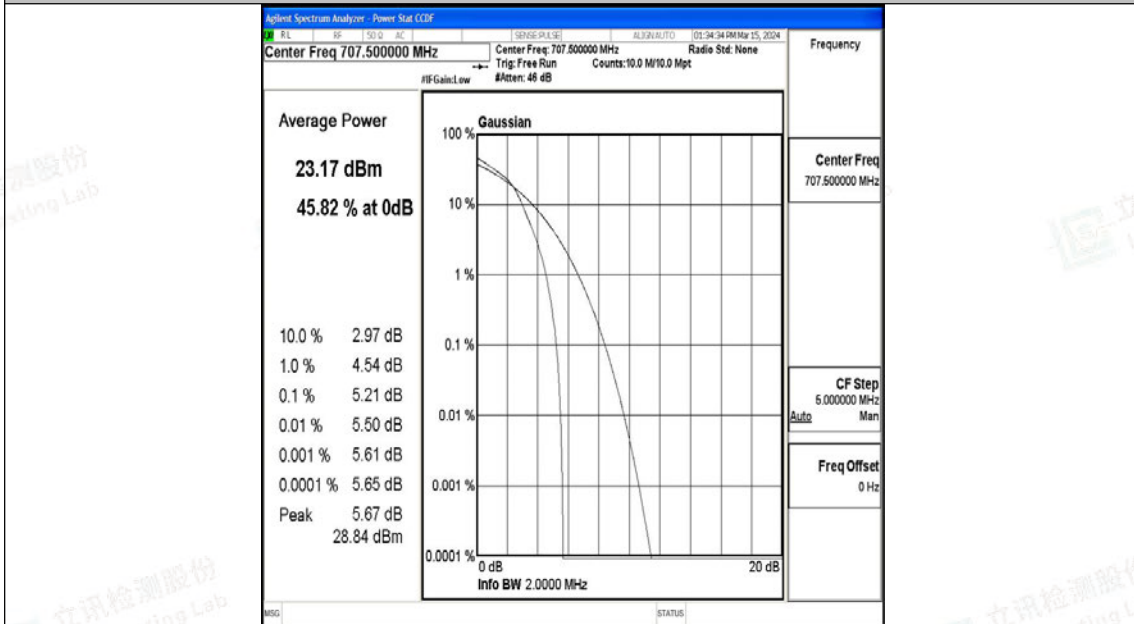


Band12-1.4MHz-16QAM-23017-6RB#0-PASS



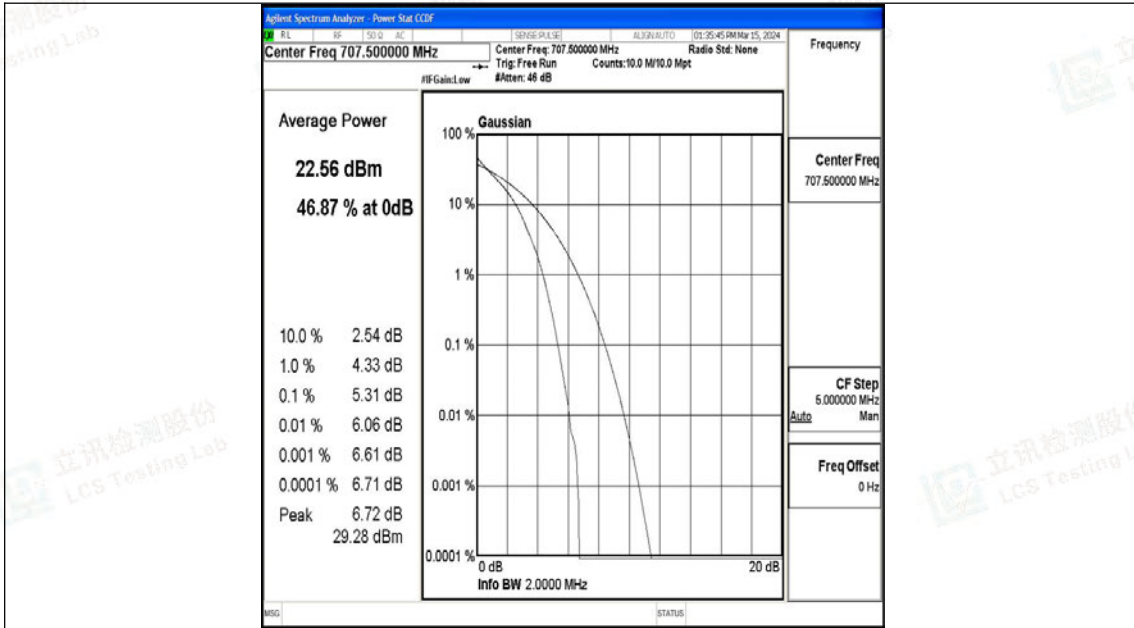


Band12-1.4MHz-QPSK-23095-1RB#0-PASS

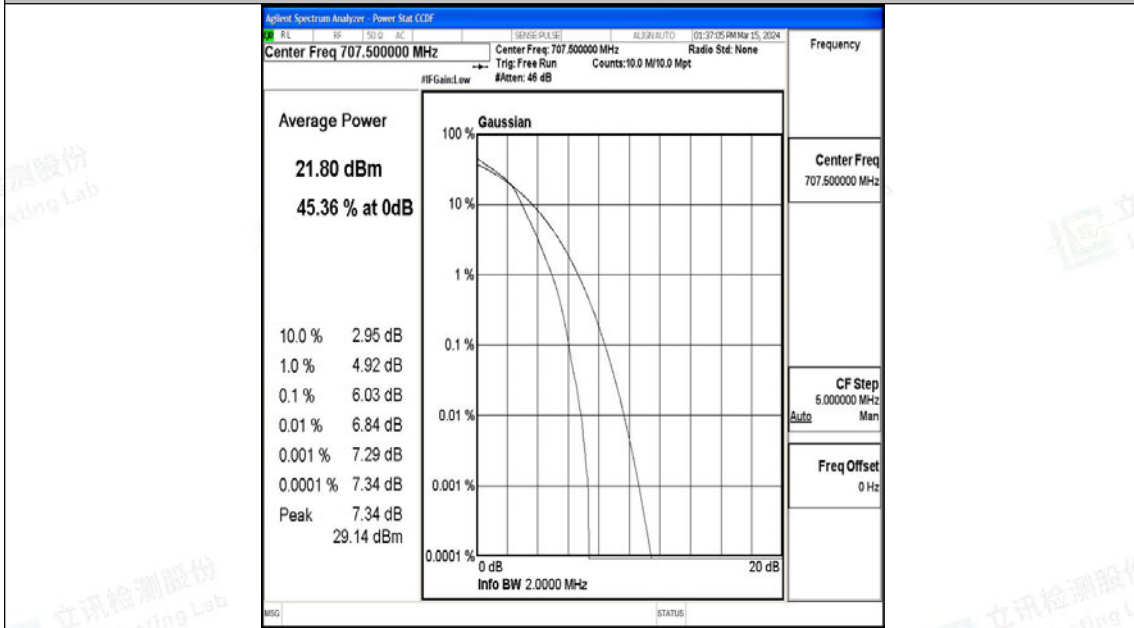


Band12-1.4MHz-16QAM-23095-1RB#0-PASS



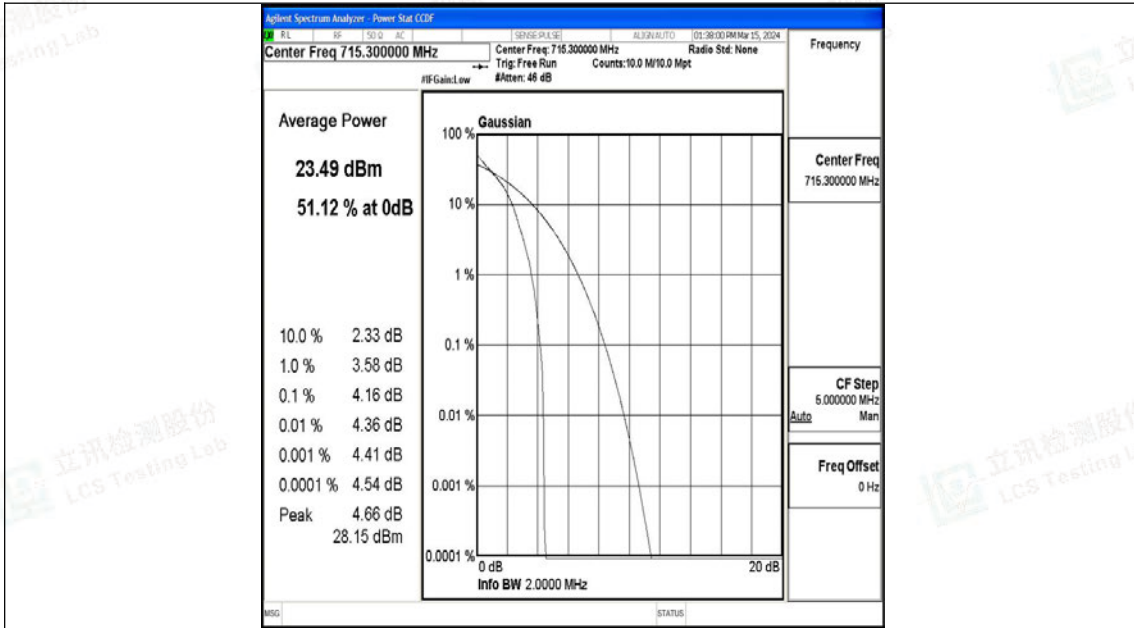


Band12-1.4MHz-QPSK-23095-6RB#0-PASS

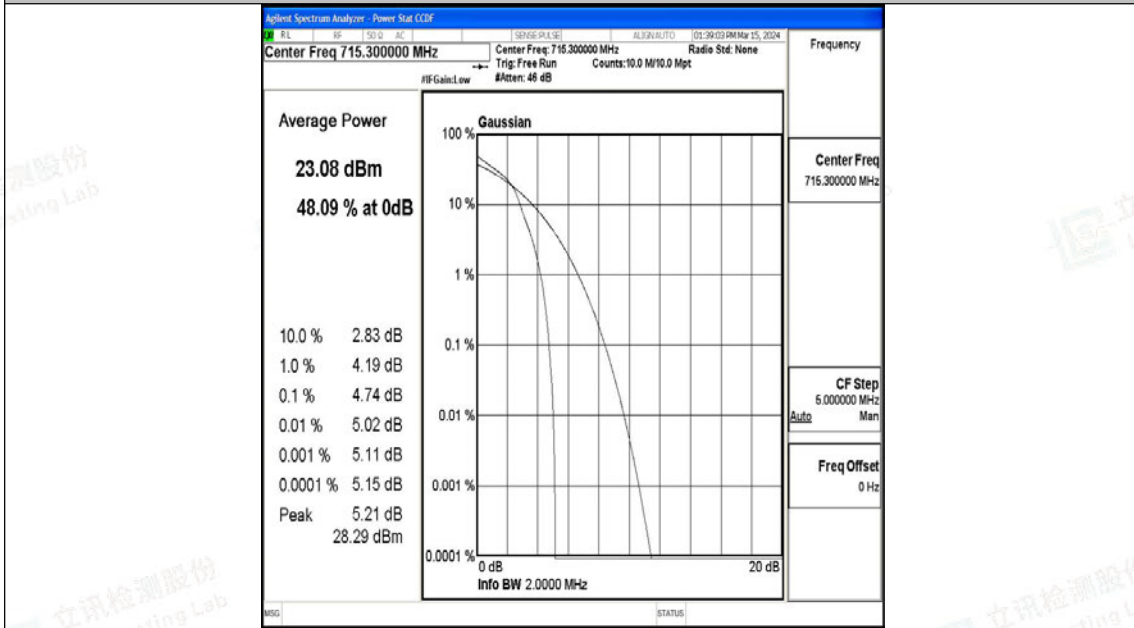


Band12-1.4MHz-16QAM-23095-6RB#0-PASS





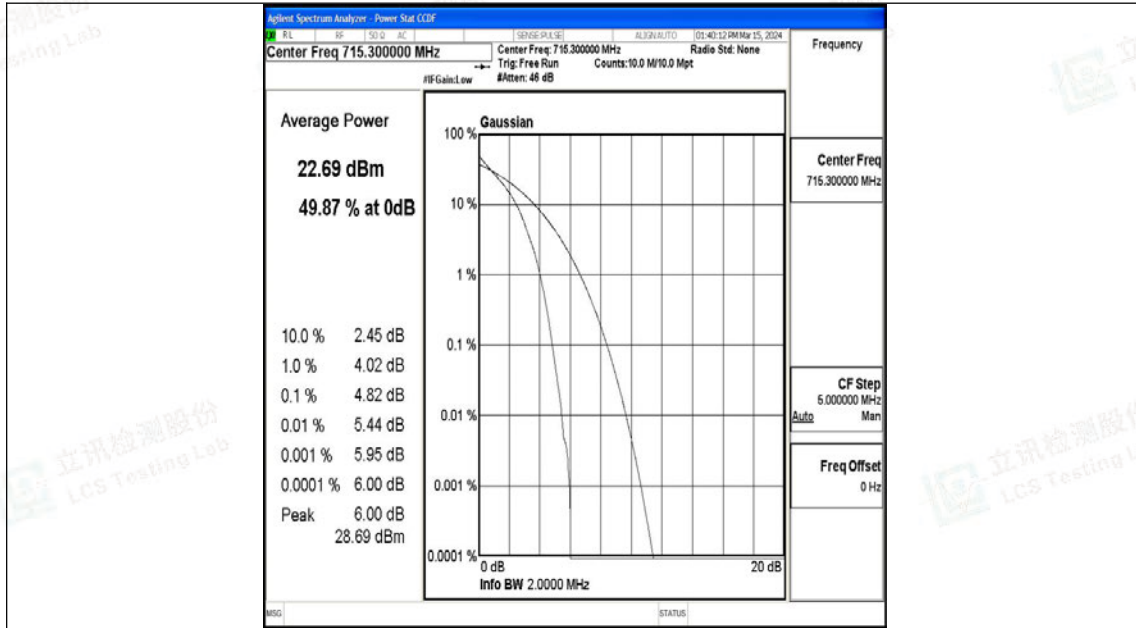
Band12-1.4MHz-QPSK-23173-1RB#0-PASS



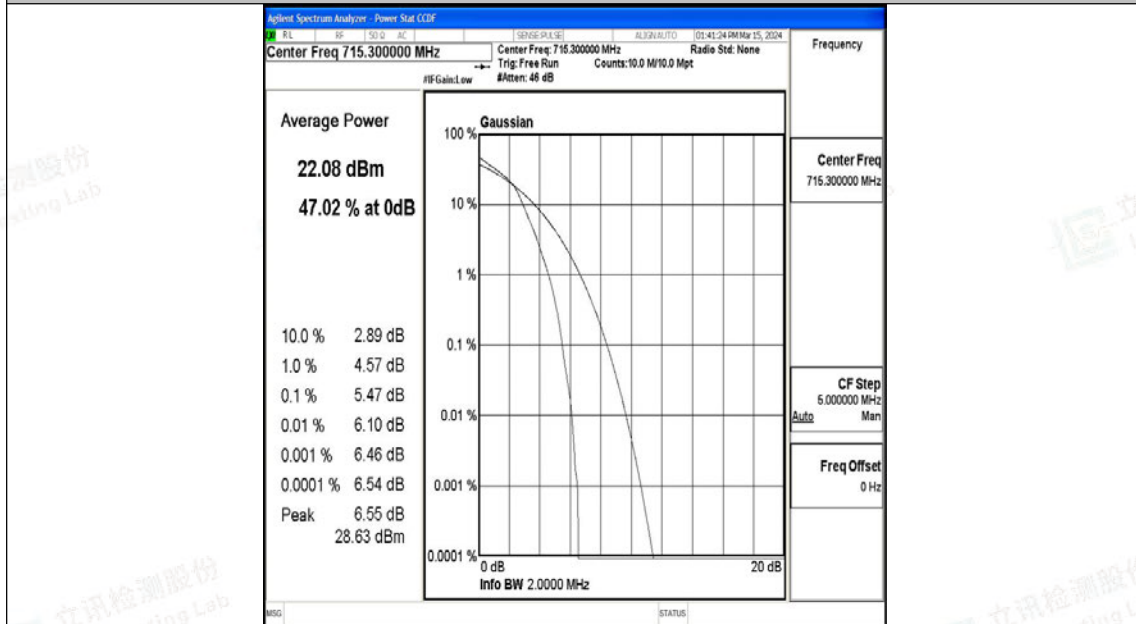
Band12-1.4MHz-16QAM-23173-1RB#0-PASS





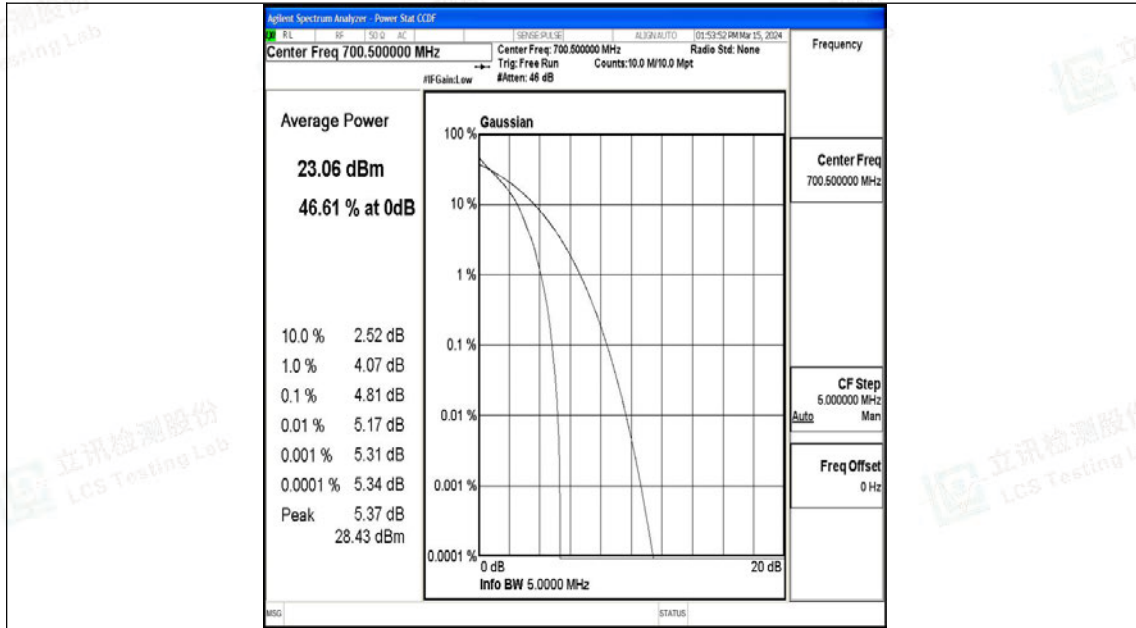


Band12-1.4MHz-QPSK-23173-6RB#0-PASS

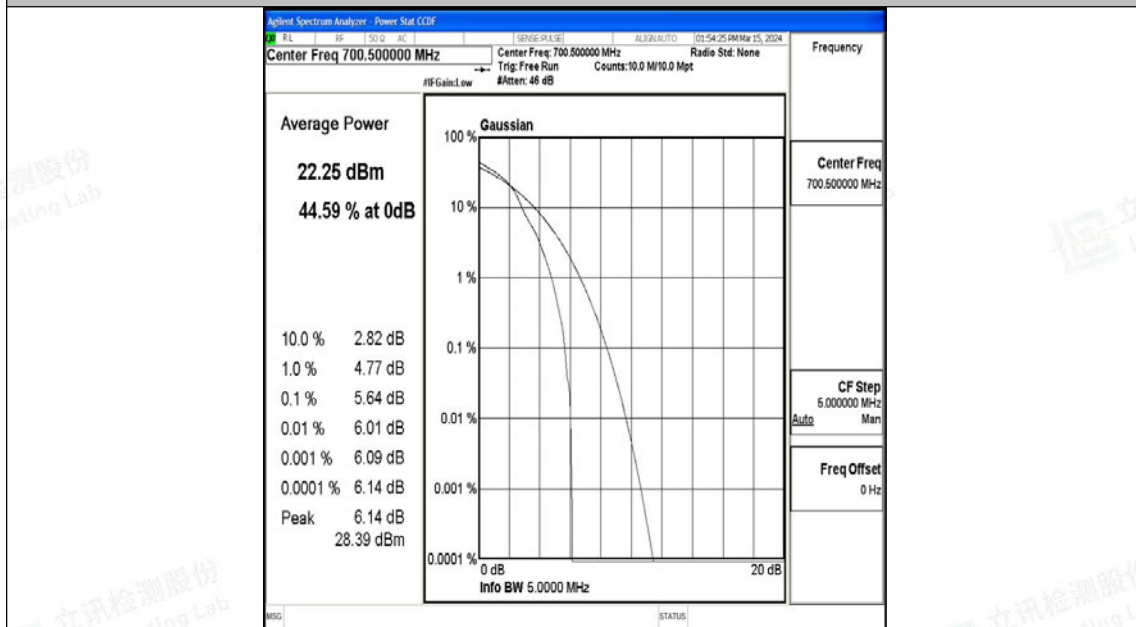


Band12-1.4MHz-16QAM-23173-6RB#0-PASS



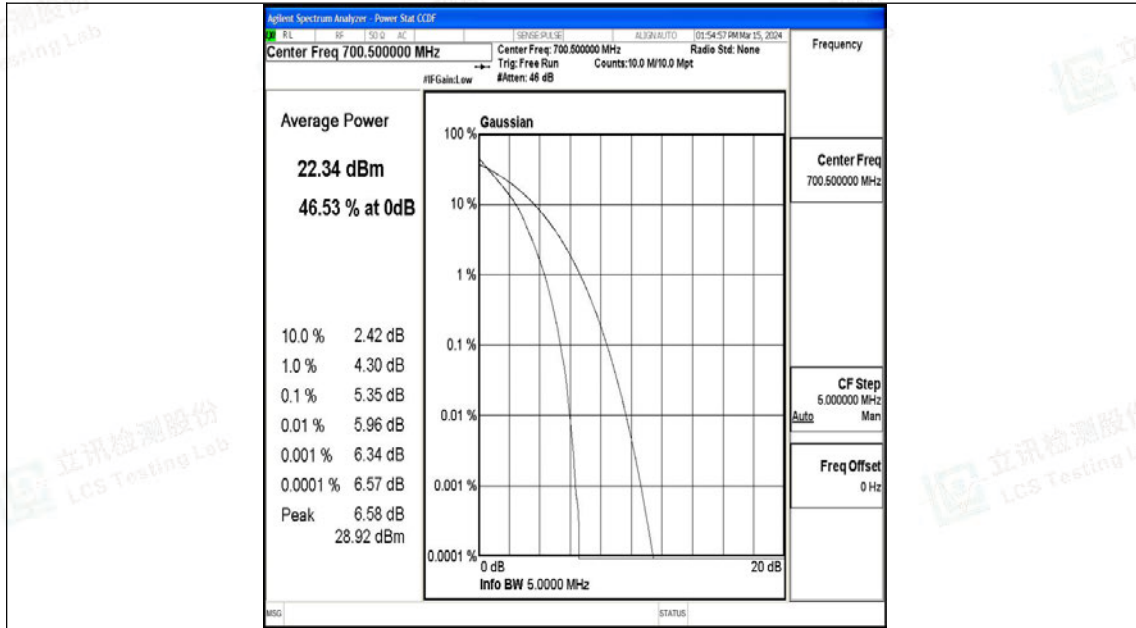


Band12-3MHz-QPSK-23025-1RB#0-PASS

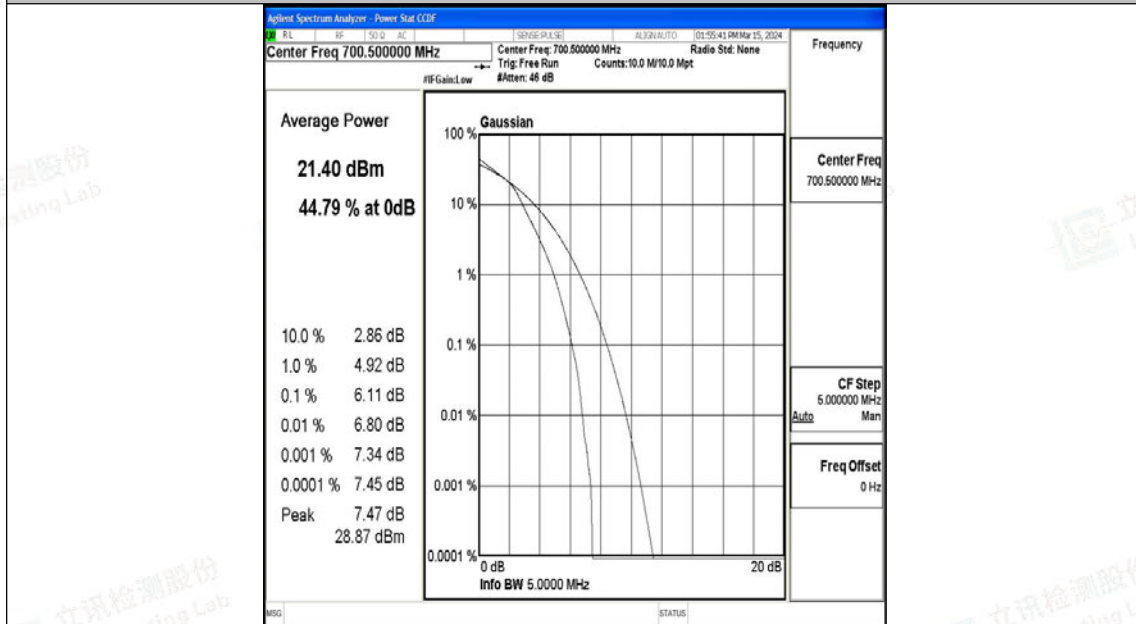


Band12-3MHz-16QAM-23025-1RB#0-PASS



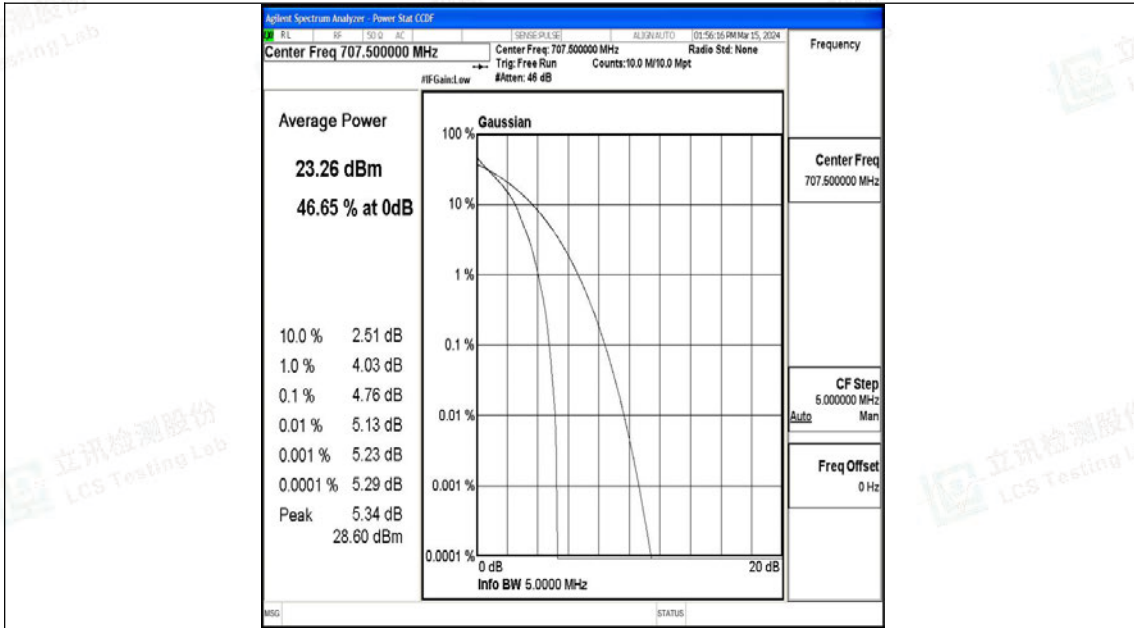


Band12-3MHz-QPSK-23025-15RB#0-PASS

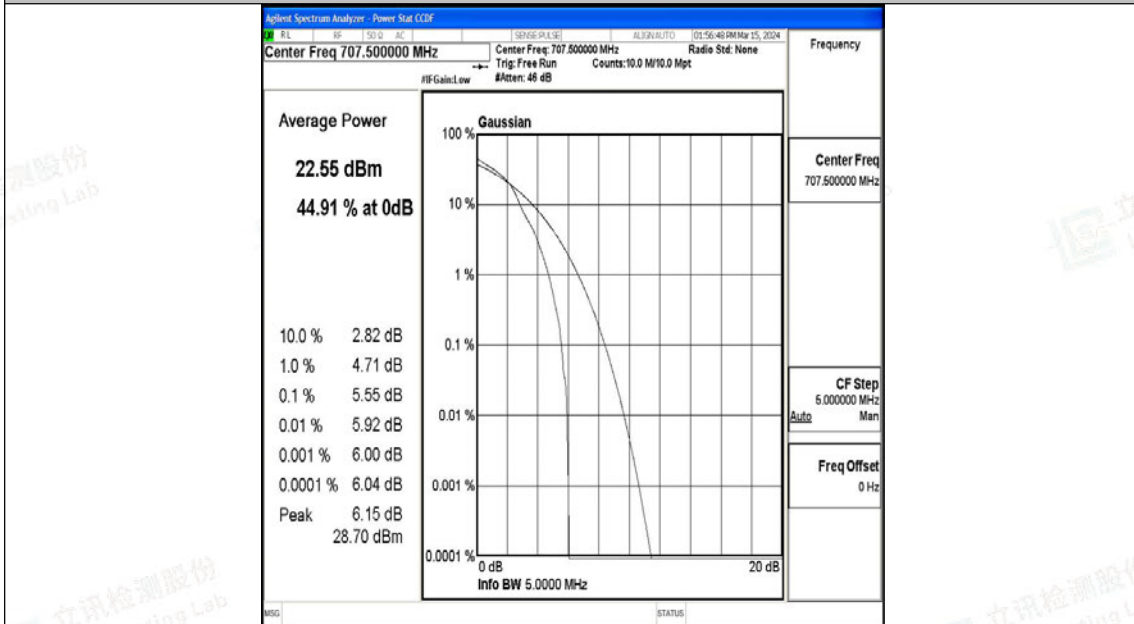


Band12-3MHz-16QAM-23025-15RB#0-PASS



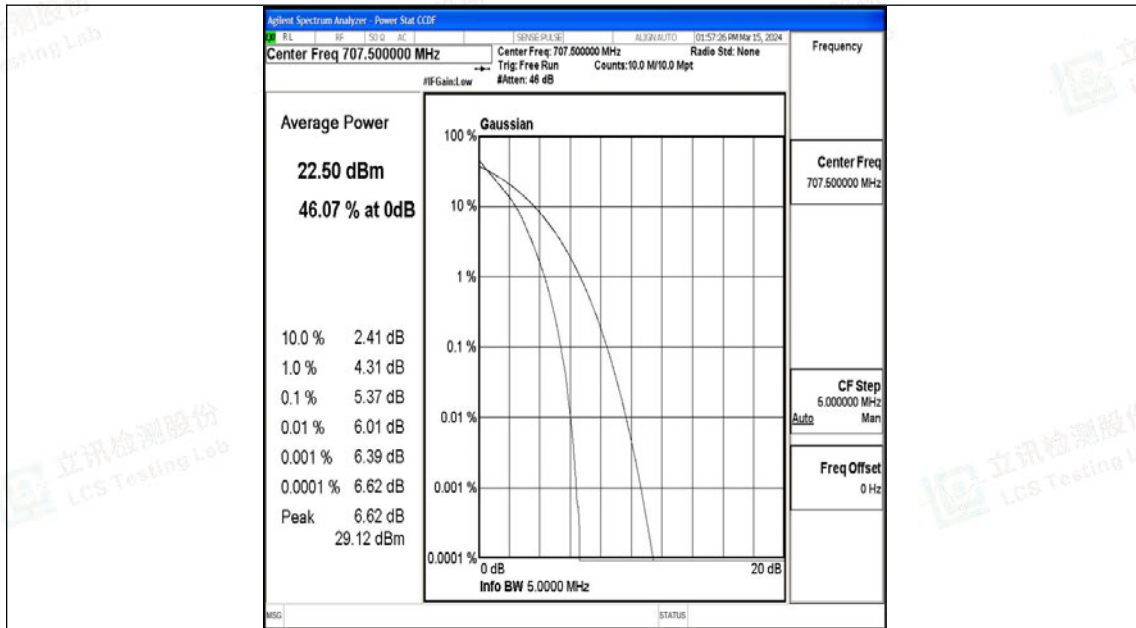


Band12-3MHz-QPSK-23095-1RB#0-PASS

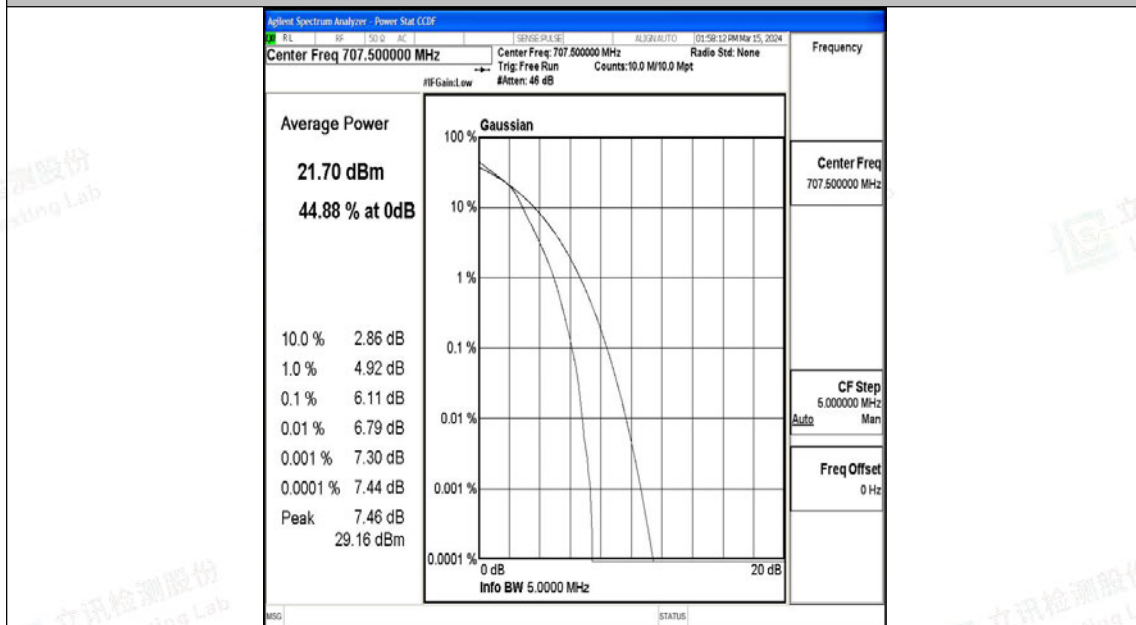


Band12-3MHz-16QAM-23095-1RB#0-PASS





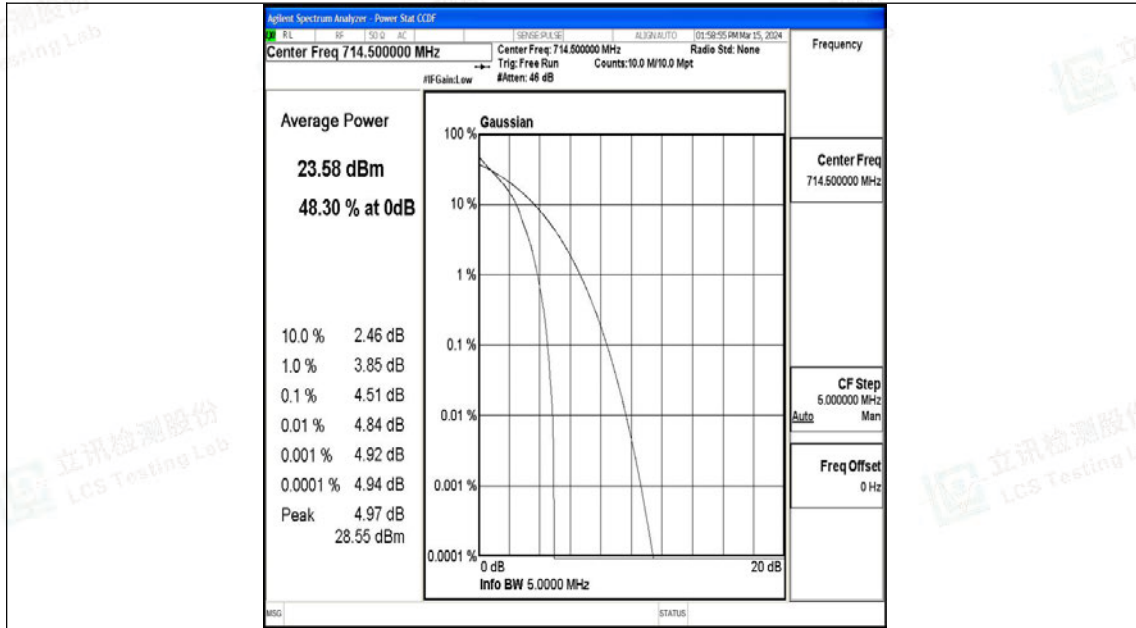
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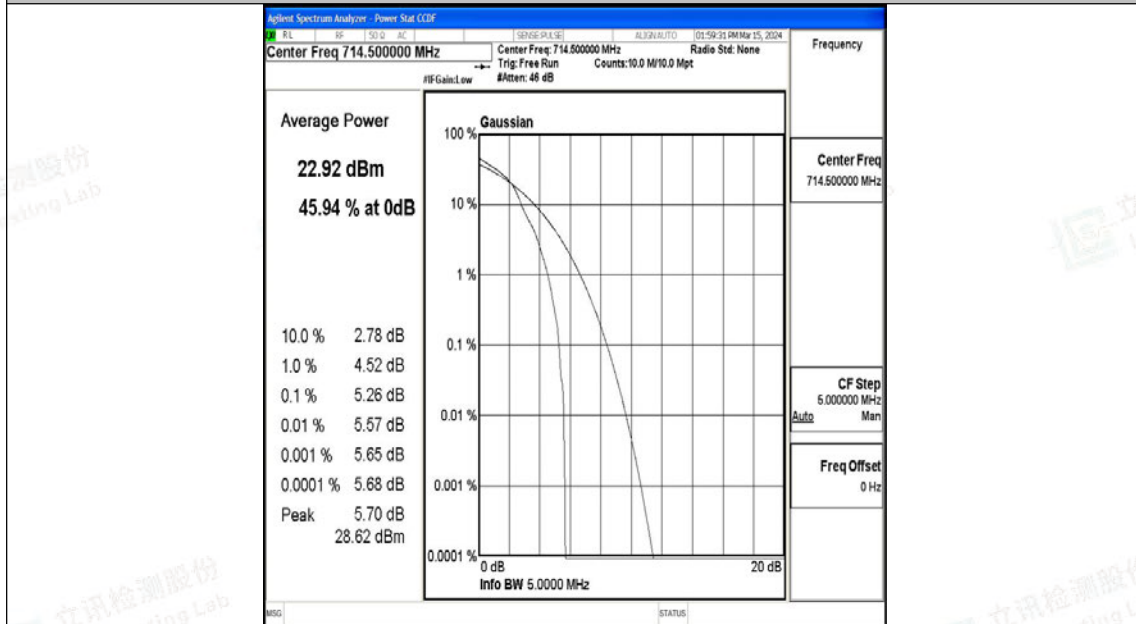
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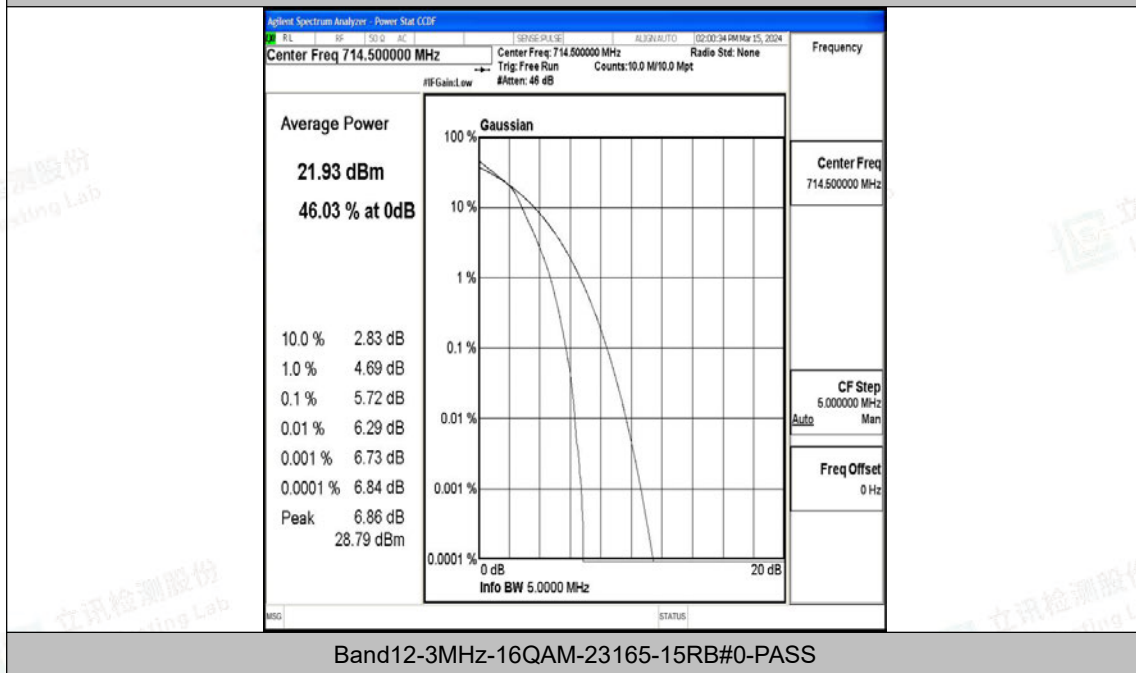
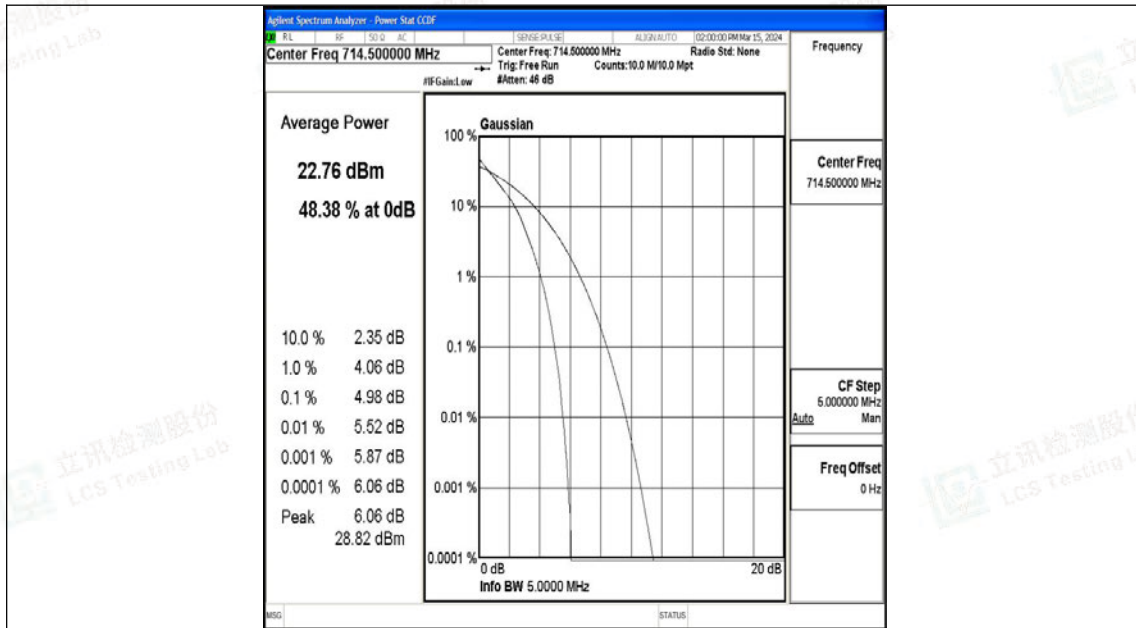


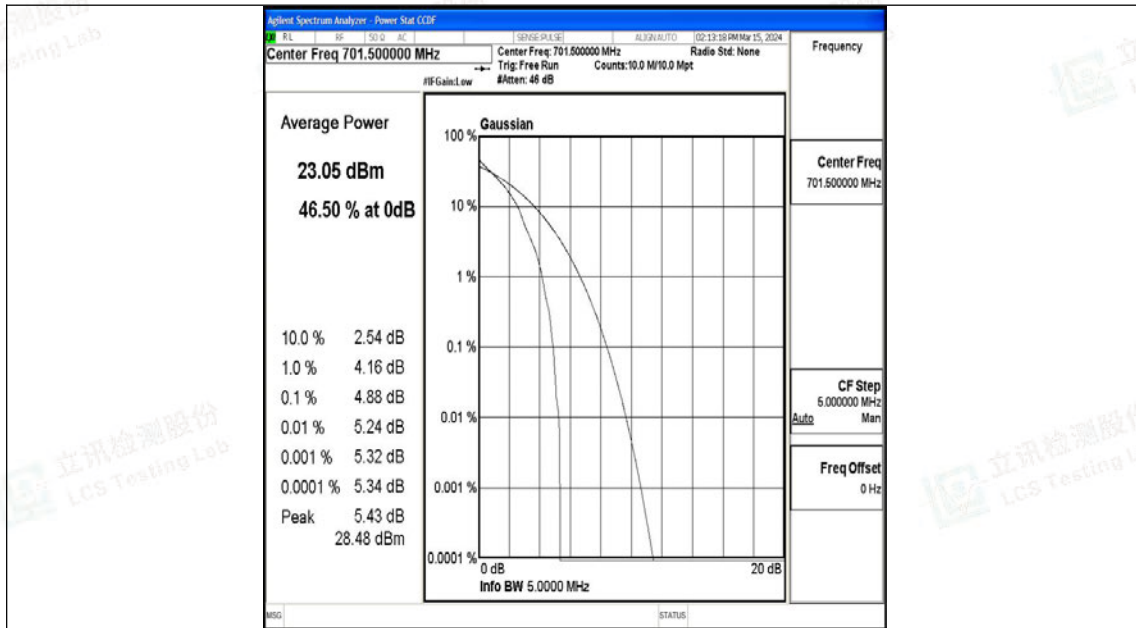
Band12-3MHz-QPSK-23165-1RB#0-PASS



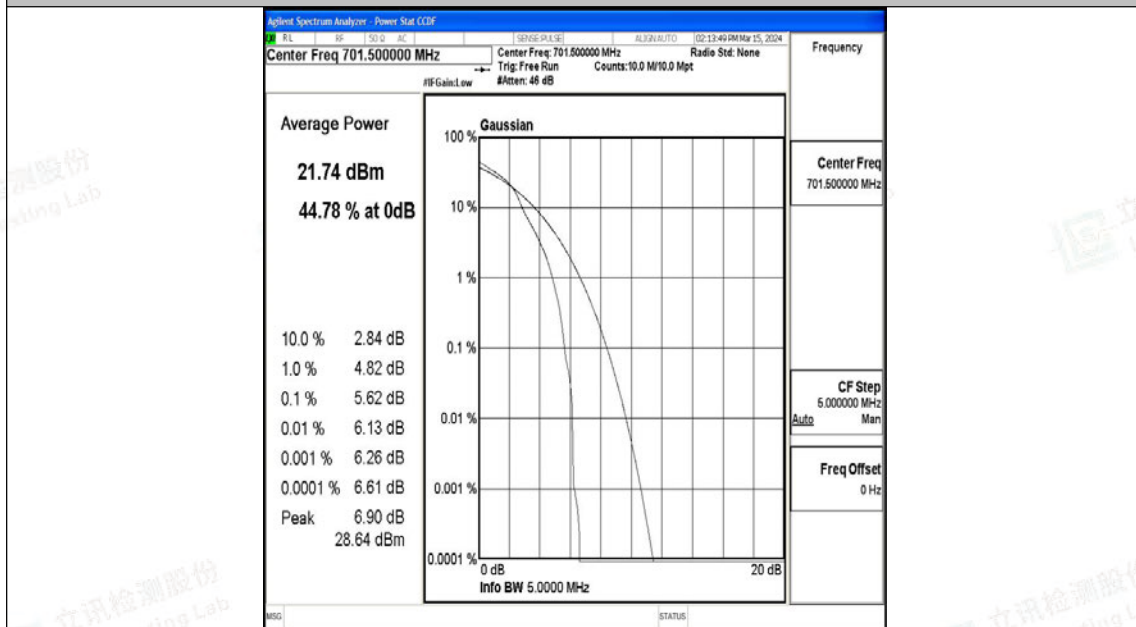
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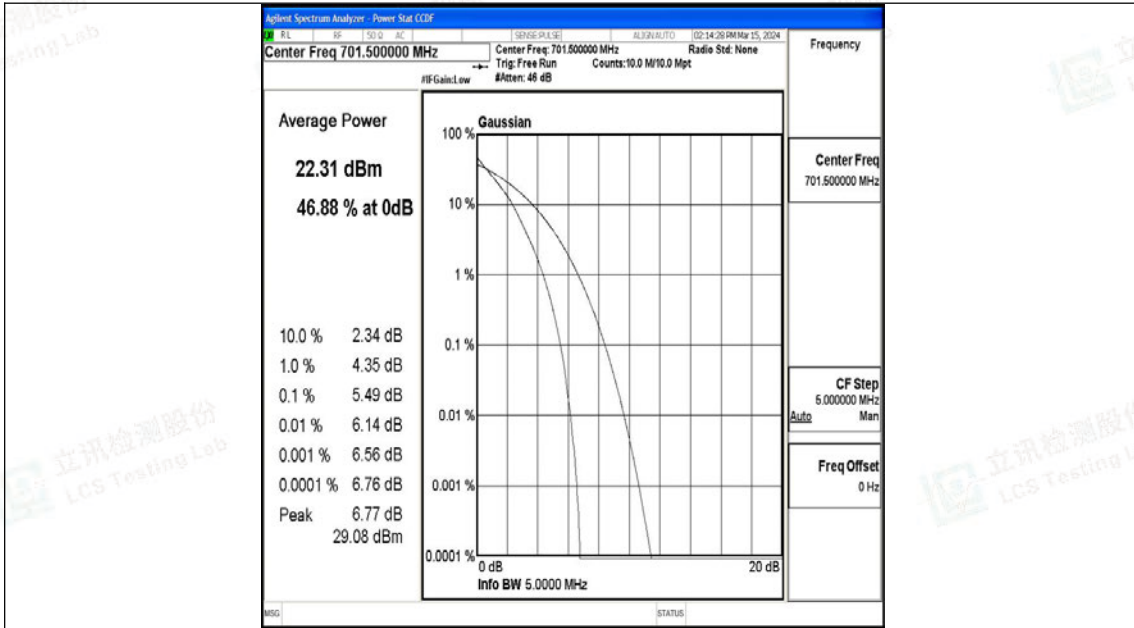


Band12-5MHz-QPSK-23035-1RB#0-PASS

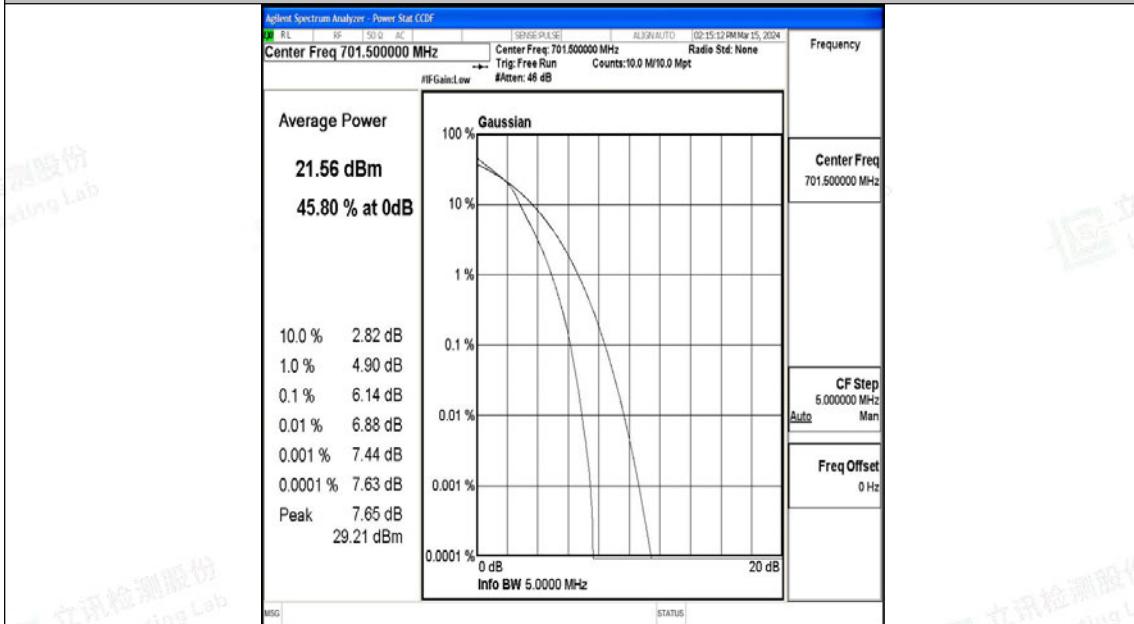


Band12-5MHz-16QAM-23035-1RB#0-PASS



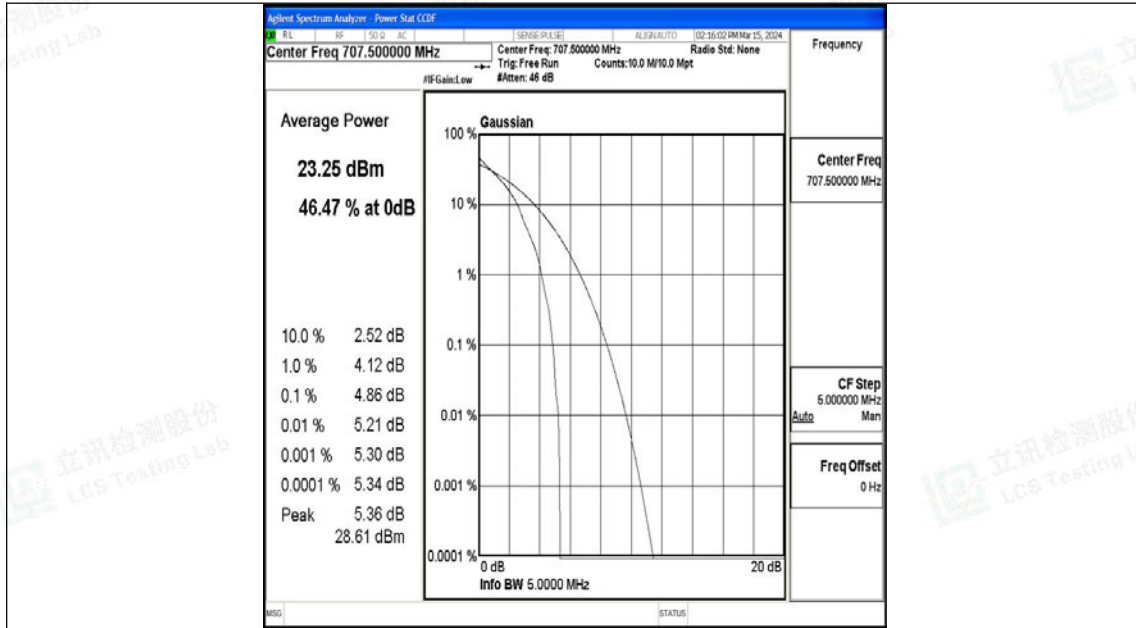


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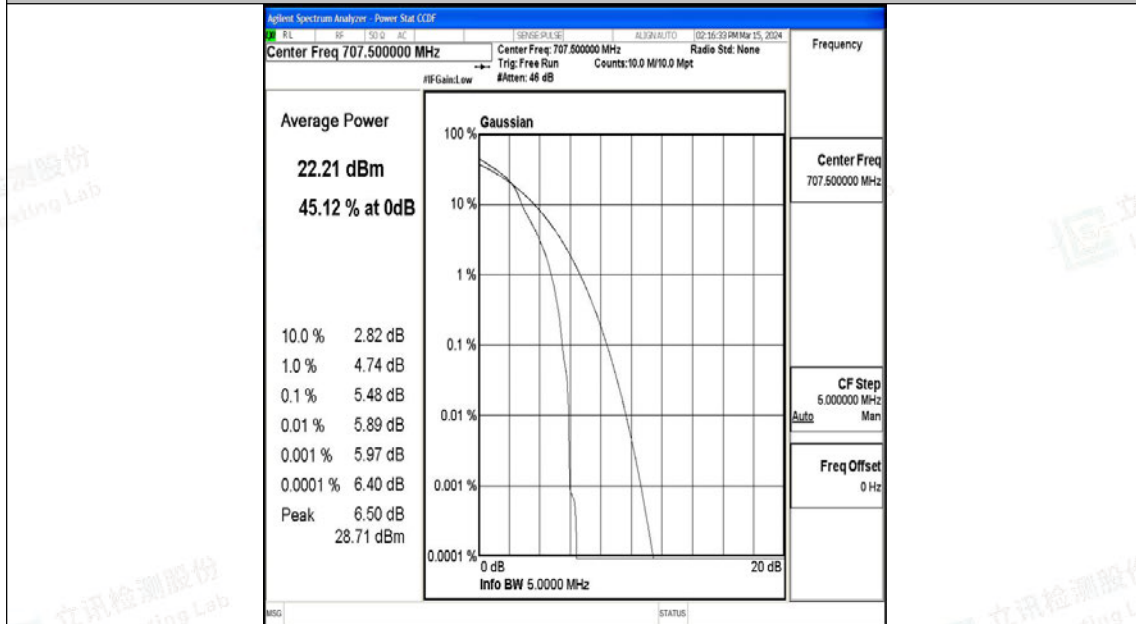


Band12-5MHz-16QAM-23035-25RB#0-PASS





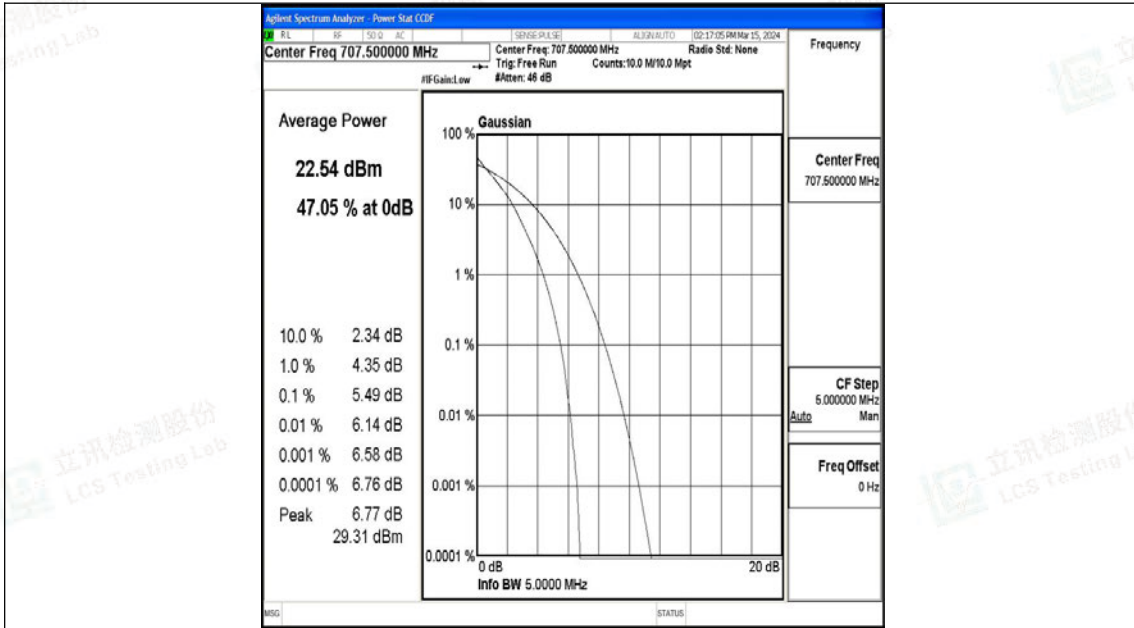
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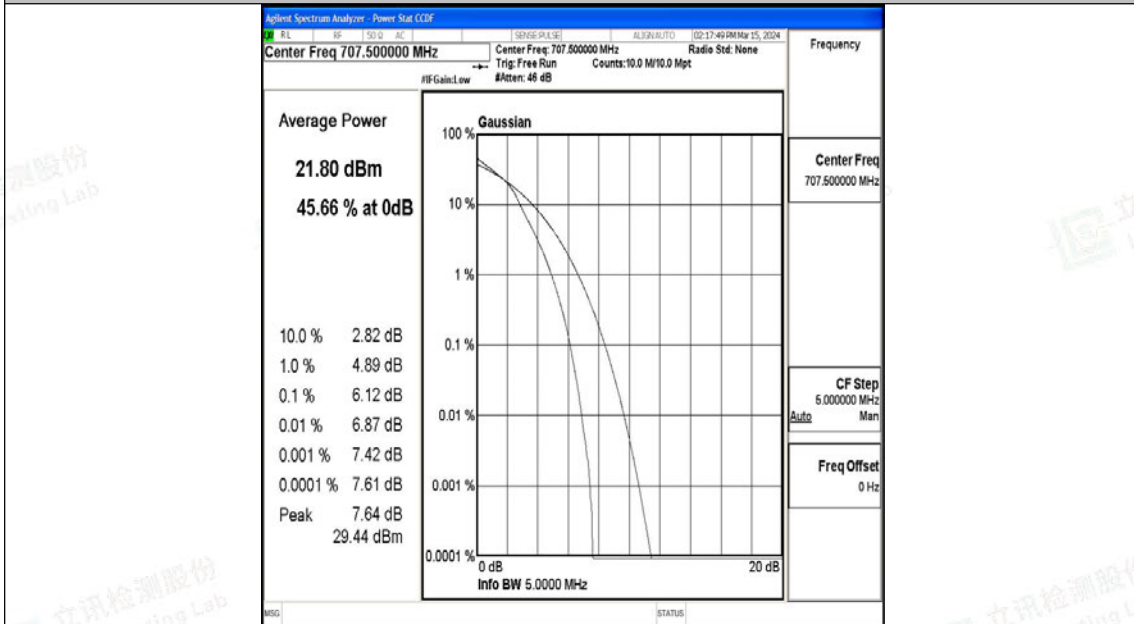
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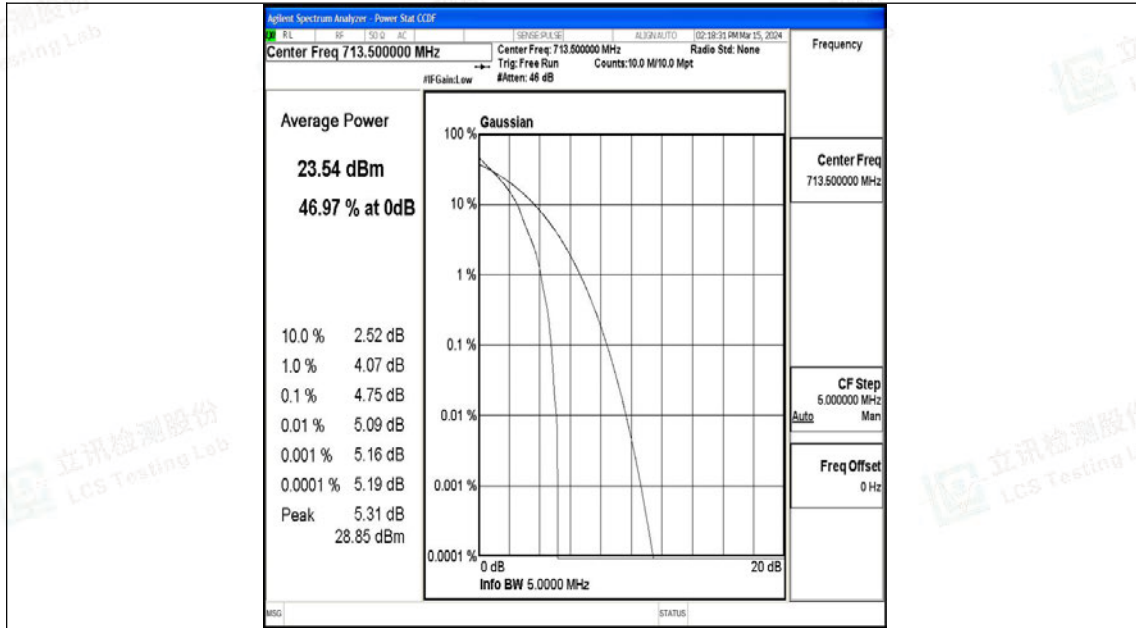


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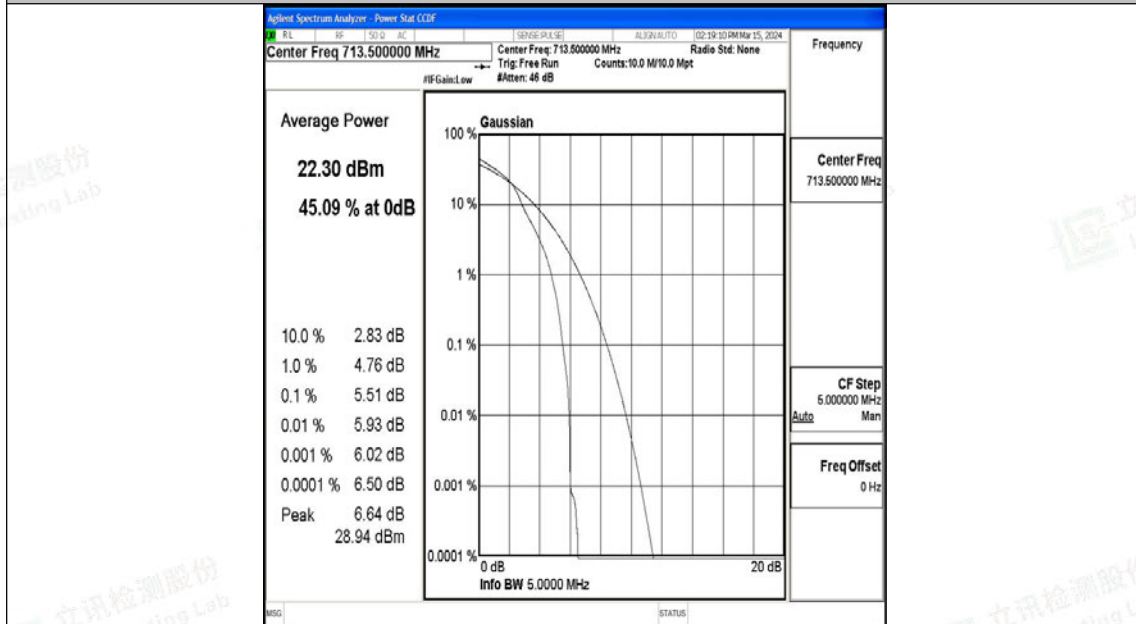


Band12-5MHz-16QAM-23095-25RB#0-PASS



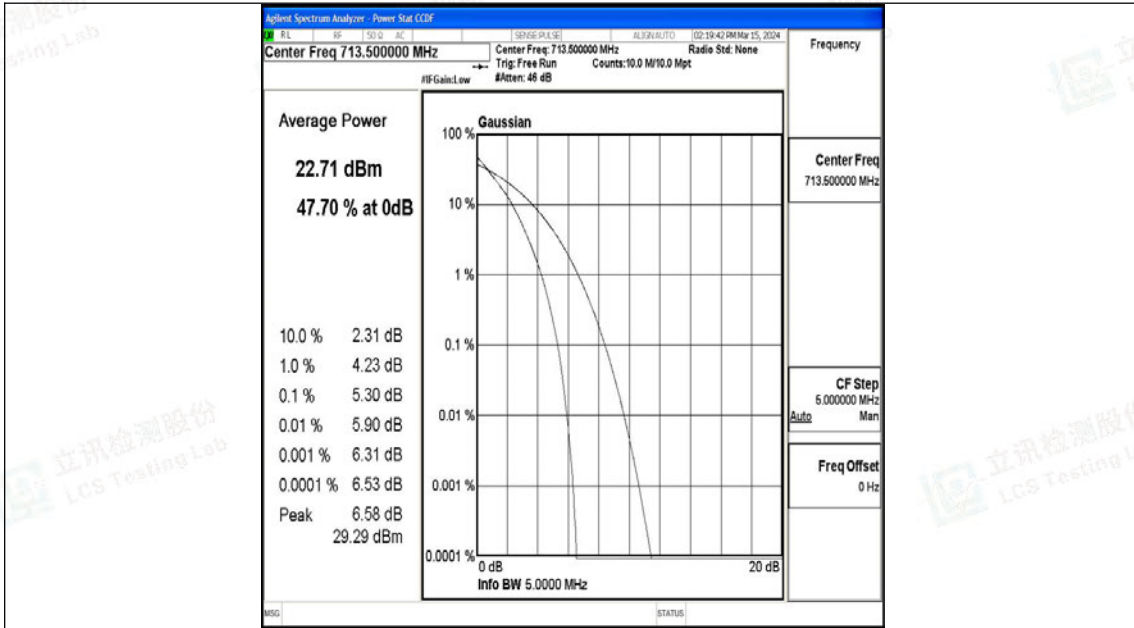


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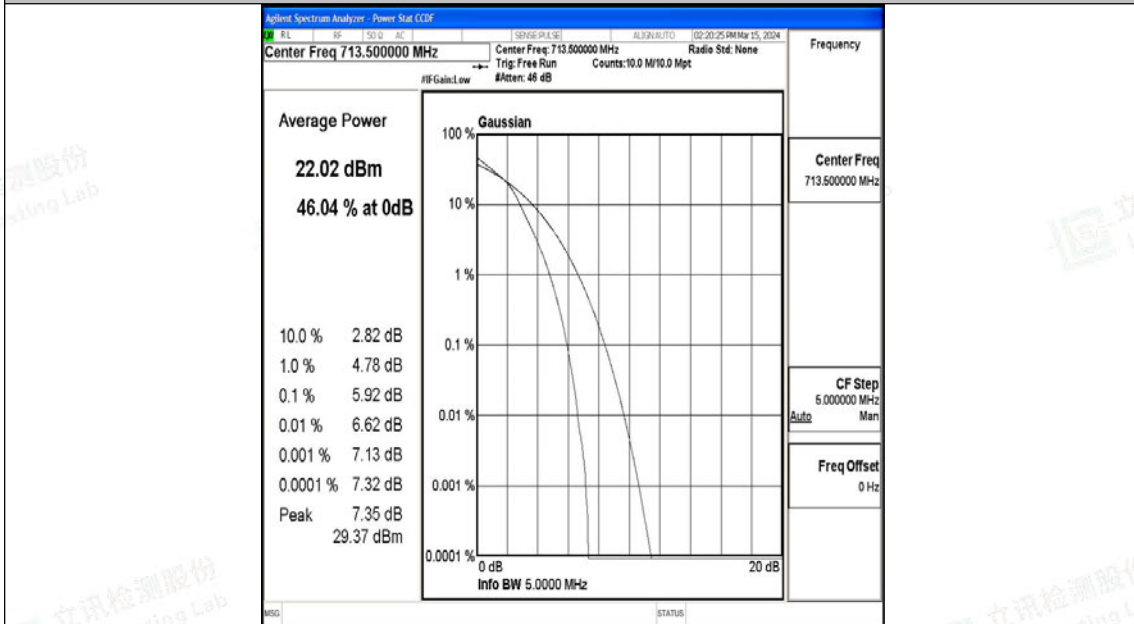


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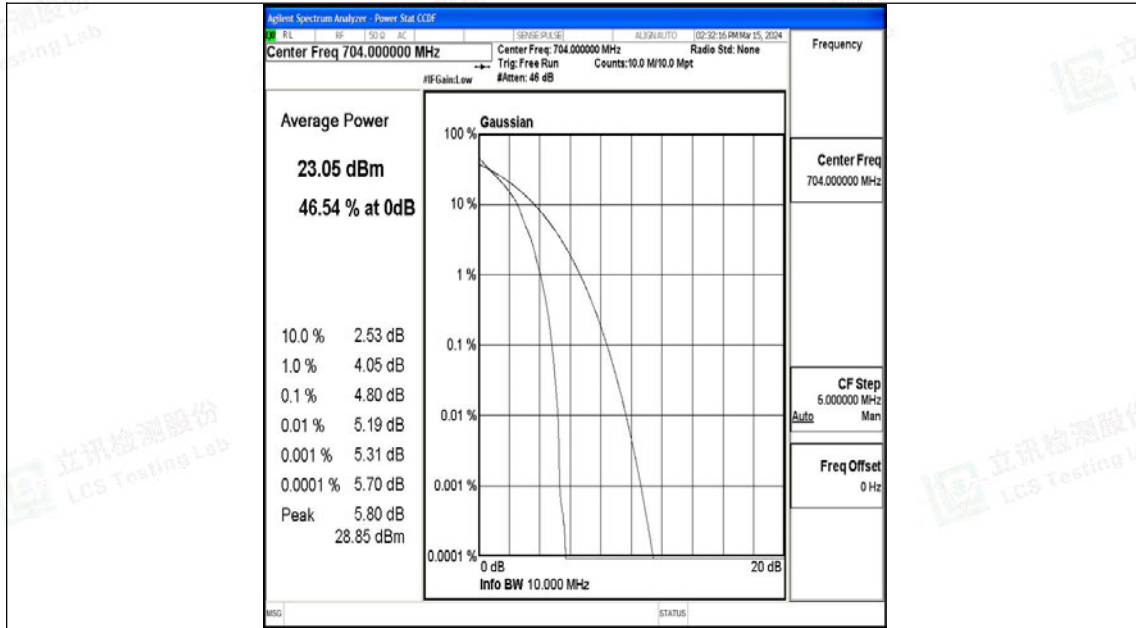


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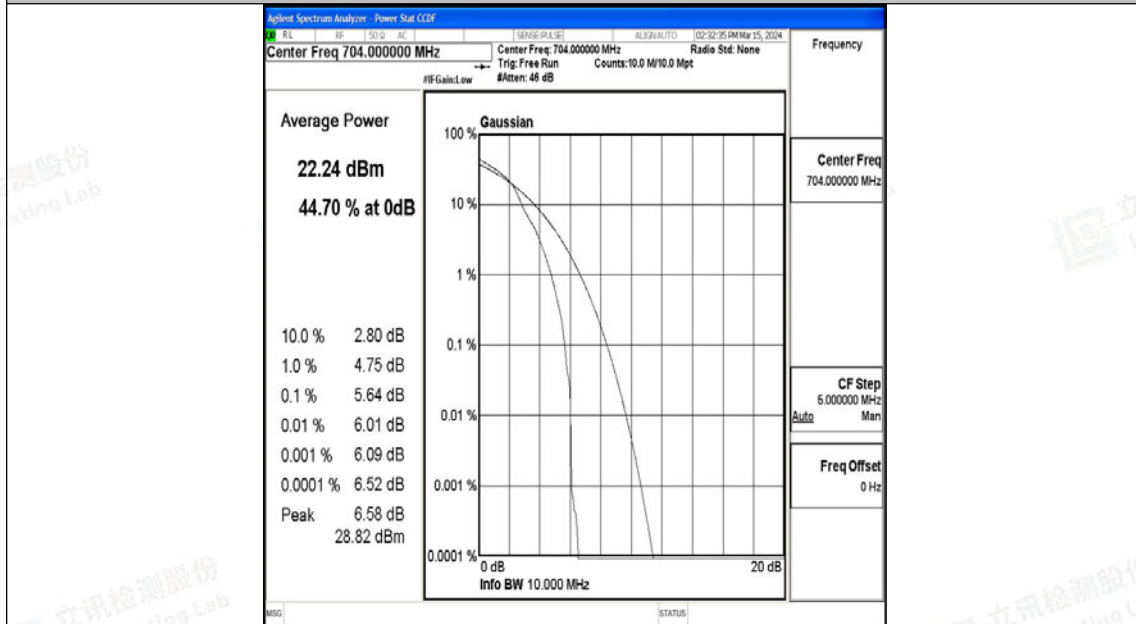


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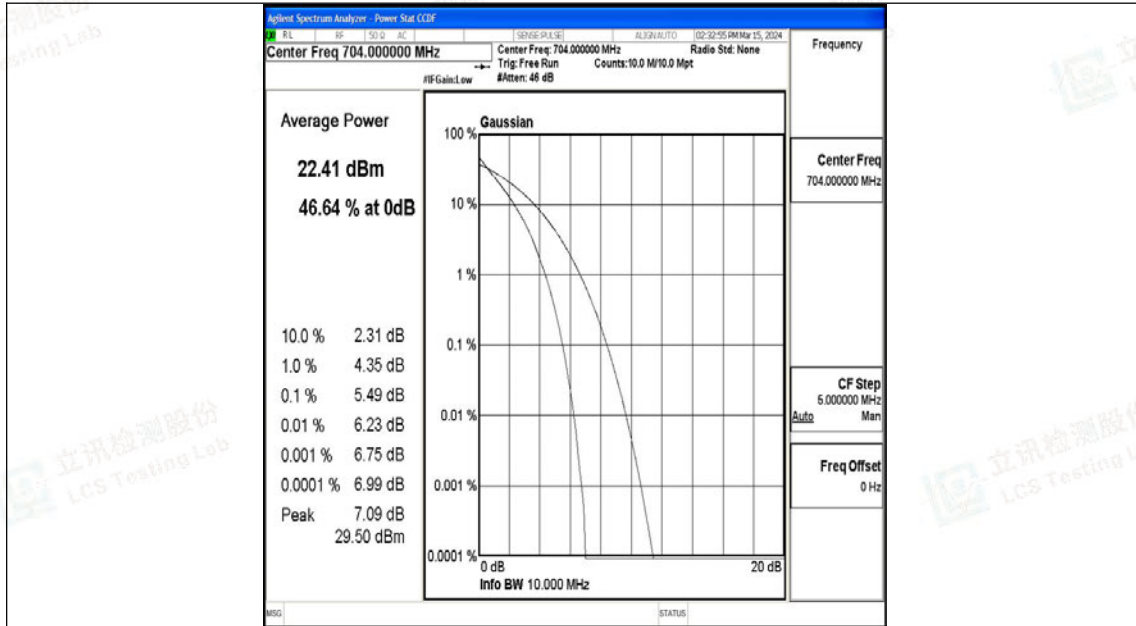


Band12-10MHz-QPSK-23060-1RB#0-PASS

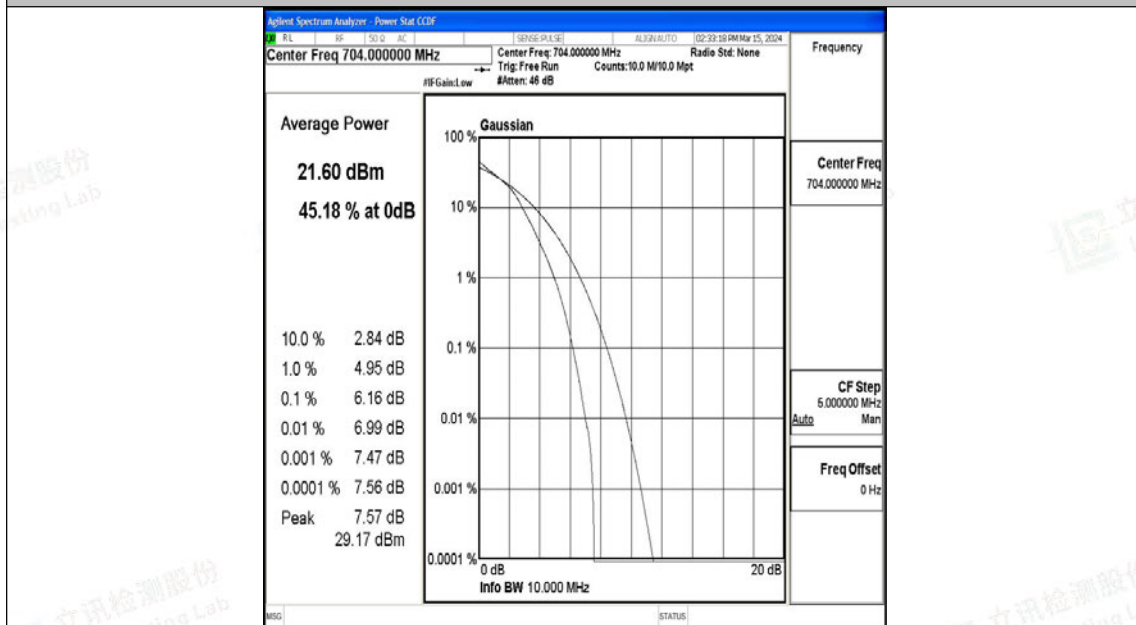


Band12-10MHz-16QAM-23060-1RB#0-PASS





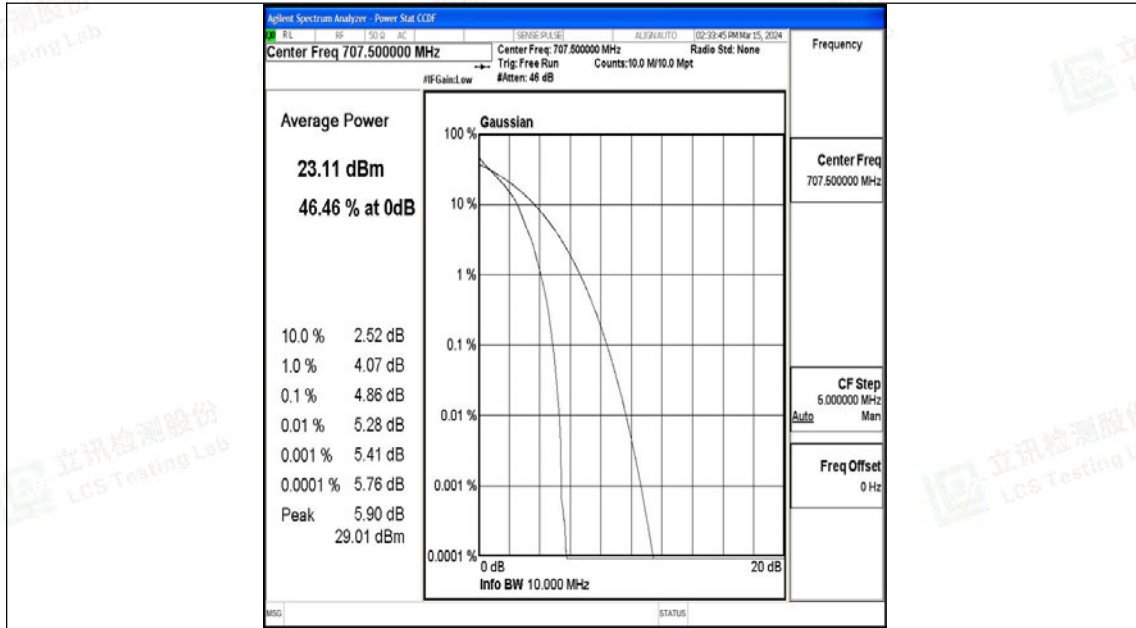
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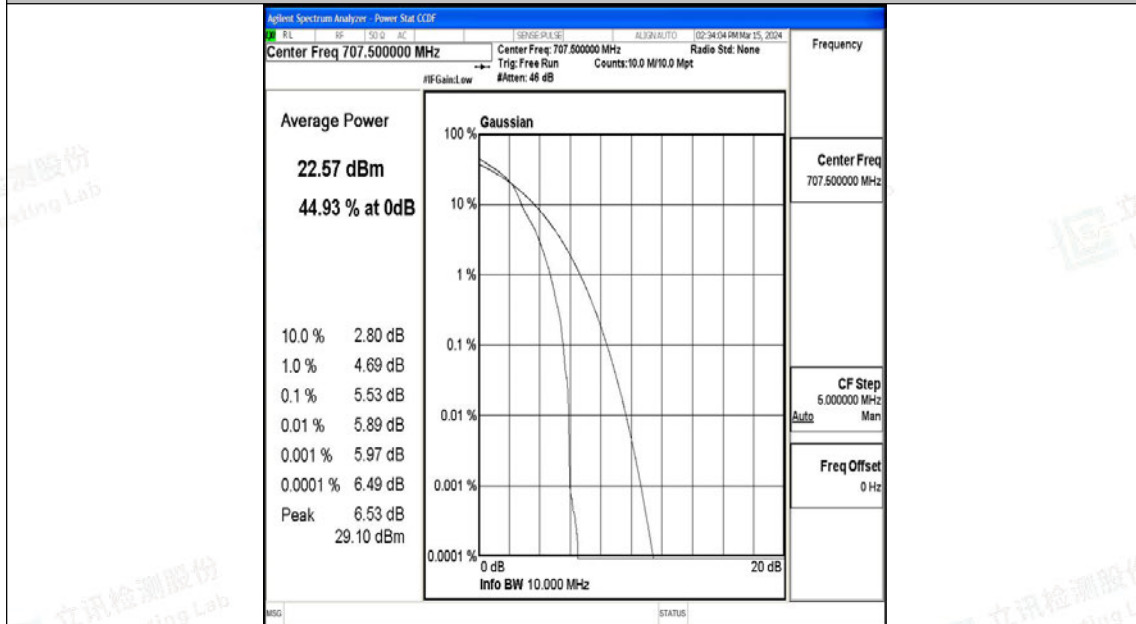
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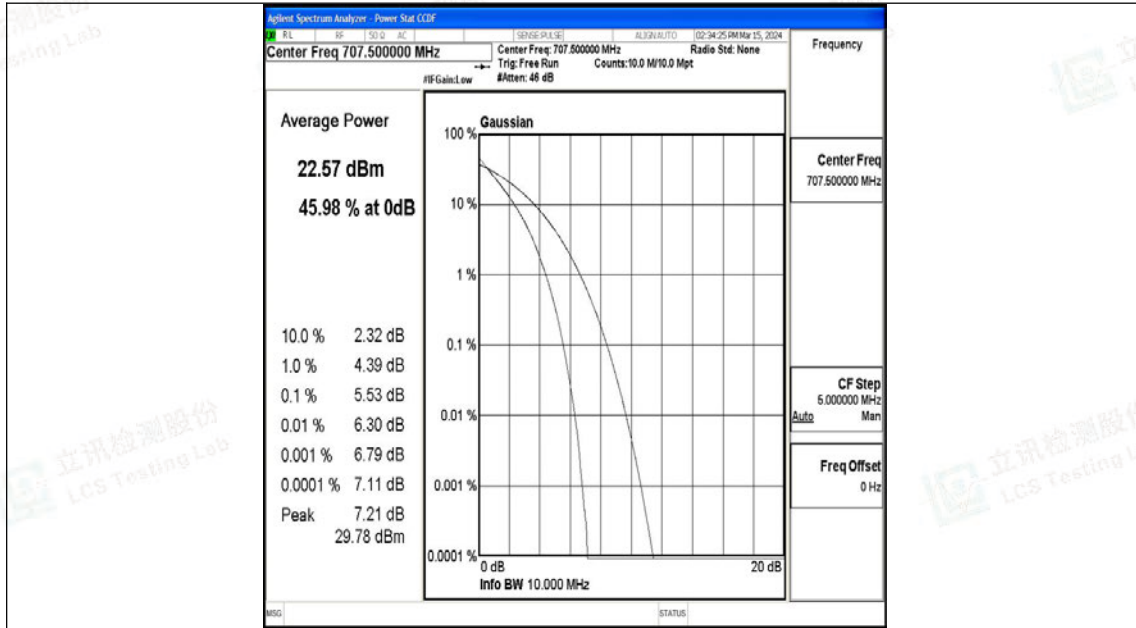


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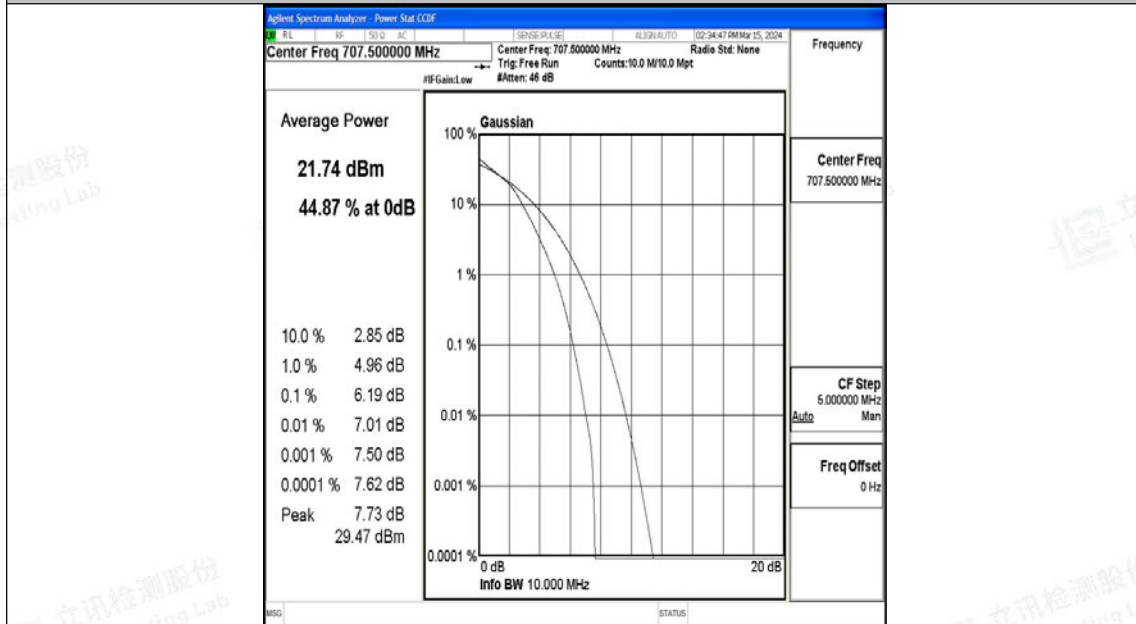


Band12-10MHz-16QAM-23095-1RB#0-PASS



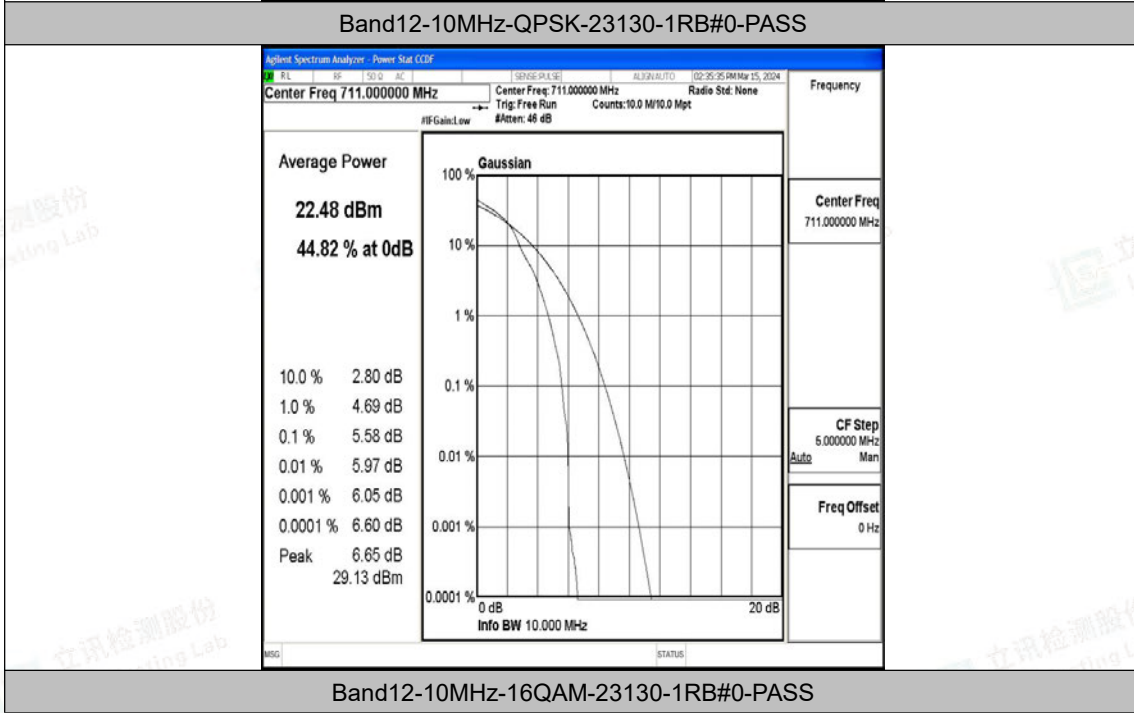
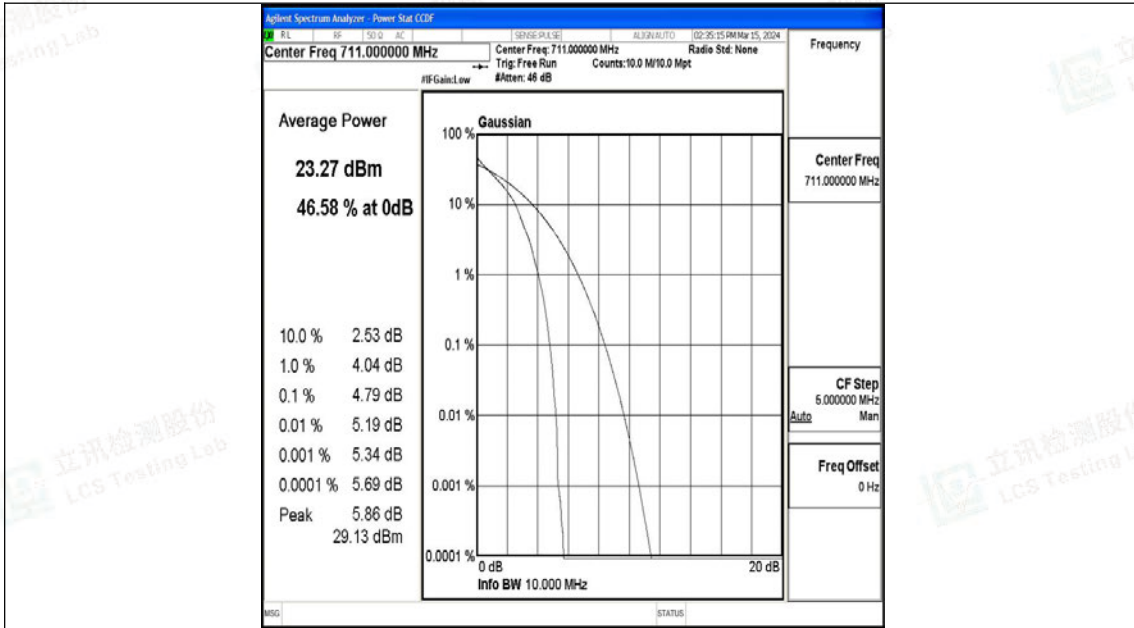


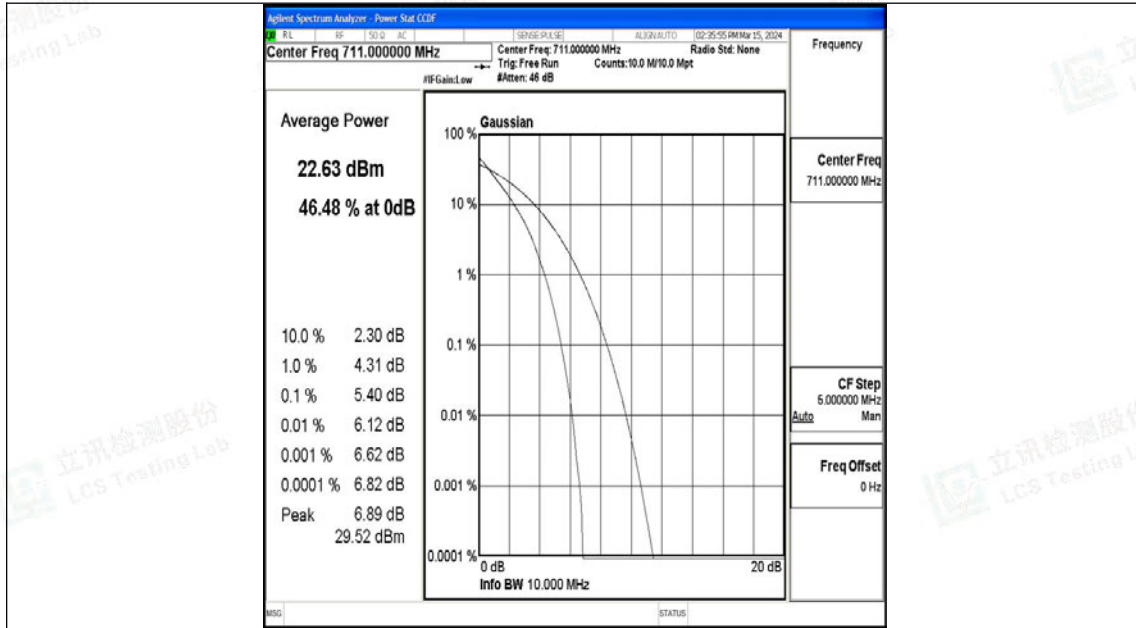
Band12-10MHz-QPSK-23095-50RB#0-PASS



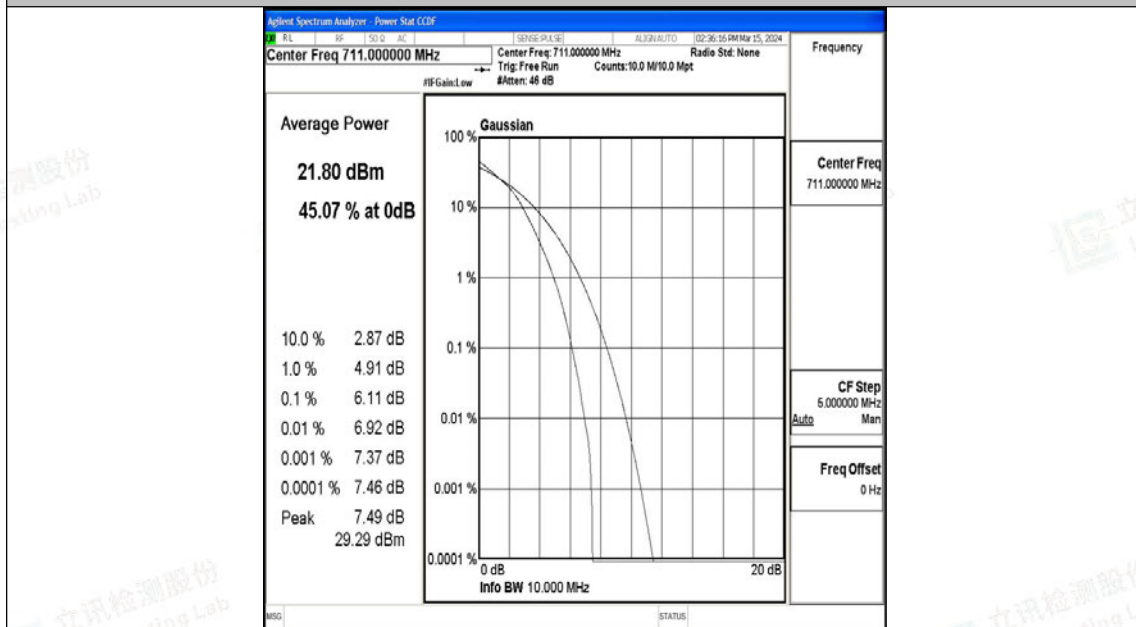
Band12-10MHz-16QAM-23095-50RB#0-PASS







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



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





## 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	1.0943	1.301	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	1.1084	1.294	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	1.0967	1.293	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	1.1048	1.278	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	1.0960	1.298	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	1.1042	1.354	PASS
Band12	3MHz	QPSK	23025	15RB#0	2.7229	3.092	PASS
Band12	3MHz	16QAM	23025	15RB#0	2.7100	3.118	PASS
Band12	3MHz	QPSK	23095	15RB#0	2.7130	3.175	PASS
Band12	3MHz	16QAM	23095	15RB#0	2.7007	3.053	PASS
Band12	3MHz	QPSK	23165	15RB#0	2.7027	3.127	PASS
Band12	3MHz	16QAM	23165	15RB#0	2.7013	3.039	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.5184	5.330	PASS
Band12	5MHz	16QAM	23035	25RB#0	4.5136	5.228	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.5235	5.292	PASS
Band12	5MHz	16QAM	23095	25RB#0	4.5255	5.311	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.5078	5.309	PASS
Band12	5MHz	16QAM	23155	25RB#0	4.5060	5.254	PASS
Band12	10MHz	QPSK	23060	50RB#0	8.9898	10.04	PASS
Band12	10MHz	16QAM	23060	50RB#0	8.9908	10.22	PASS
Band12	10MHz	QPSK	23095	50RB#0	8.9937	9.987	PASS
Band12	10MHz	16QAM	23095	50RB#0	8.9896	10.16	PASS
Band12	10MHz	QPSK	23130	50RB#0	8.9967	10.16	PASS
Band12	10MHz	16QAM	23130	50RB#0	8.9790	10.08	PASS



Shenzhen LCS Compliance Testing Laboratory Ltd.

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

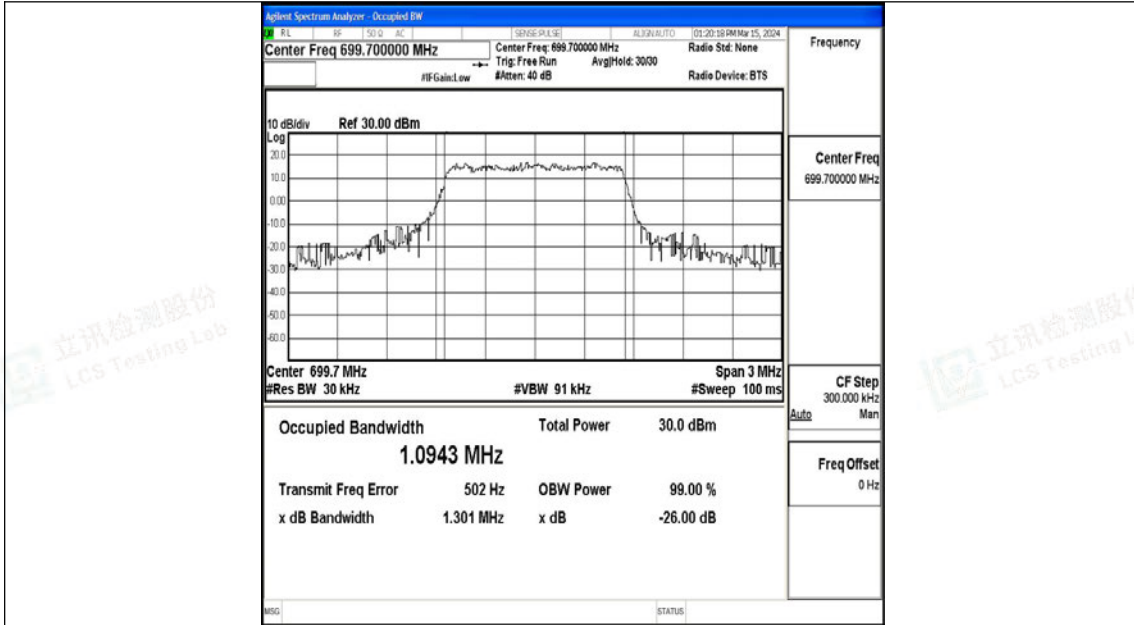
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

Scan code to check authenticity

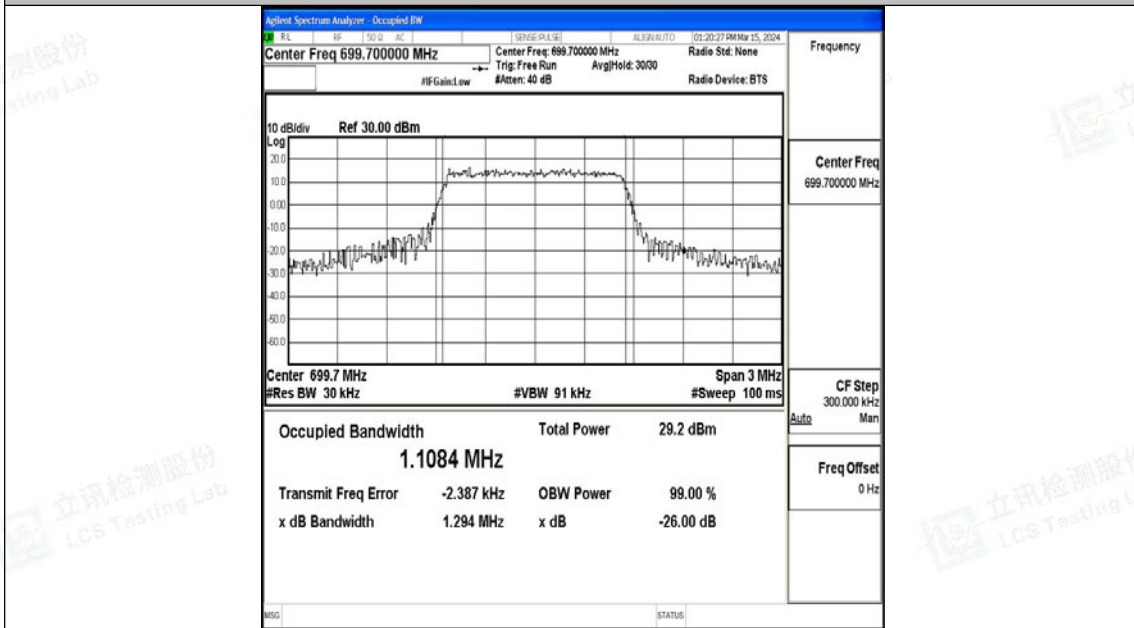




### Test Graphs

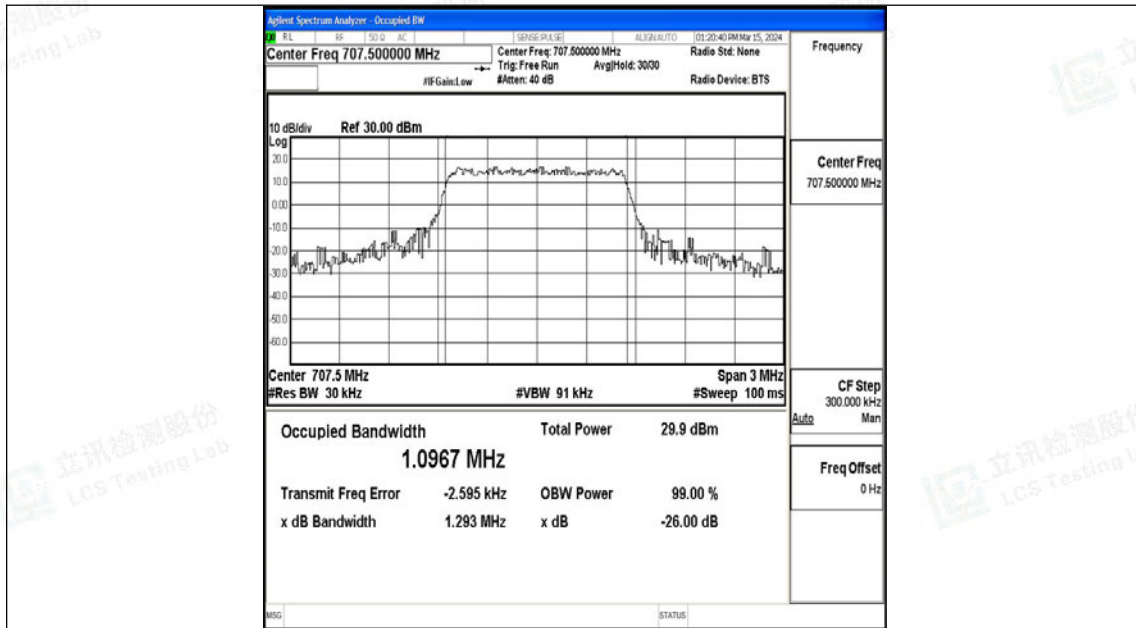


Band12-1.4MHz-QPSK-23017-6RB#0-PASS

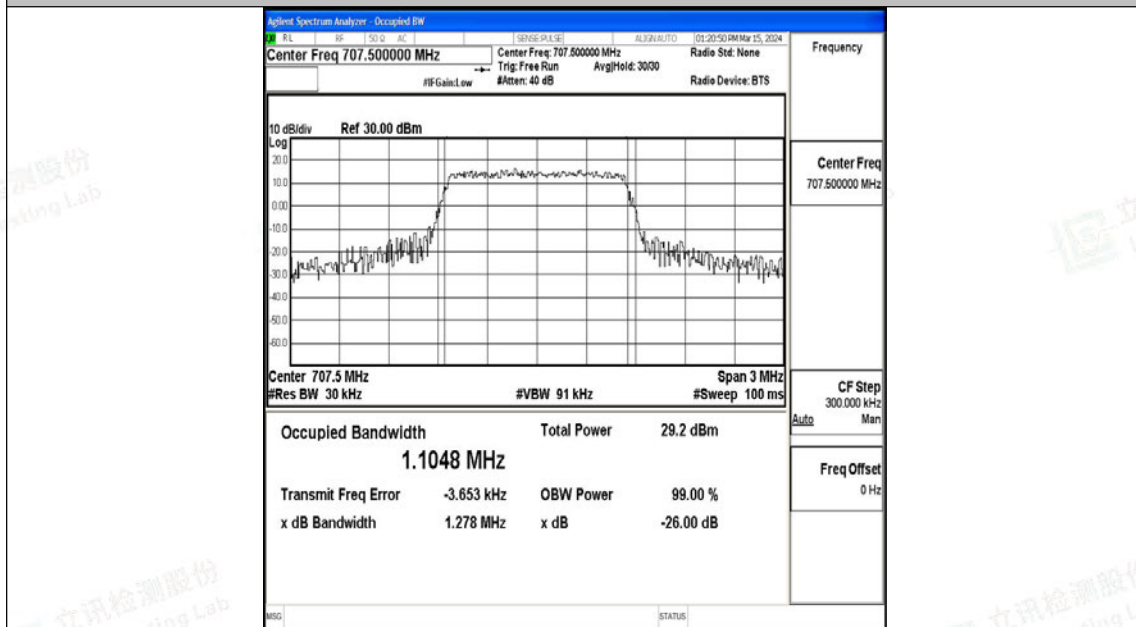


Band12-1.4MHz-16QAM-23017-6RB#0-PASS



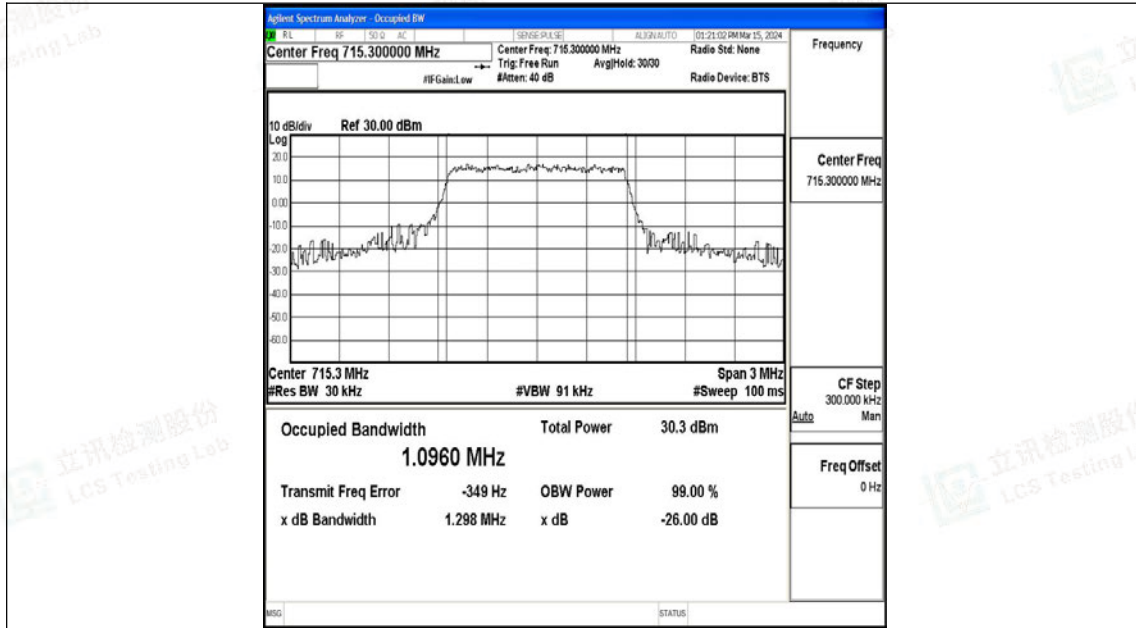


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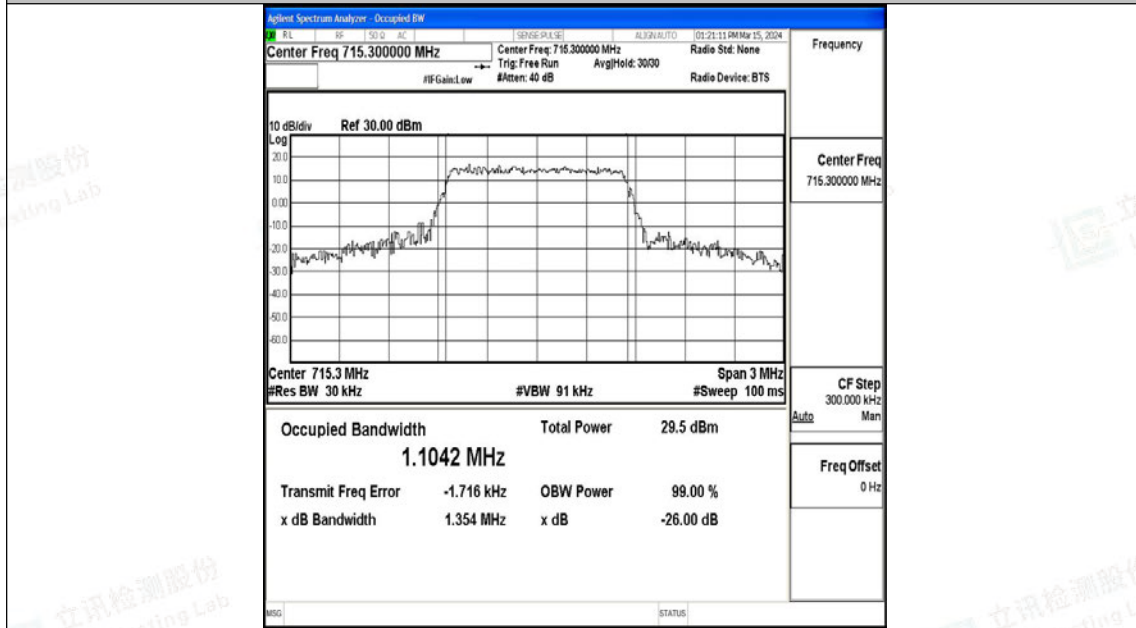


Band12-1.4MHz-16QAM-23095-6RB#0-PASS



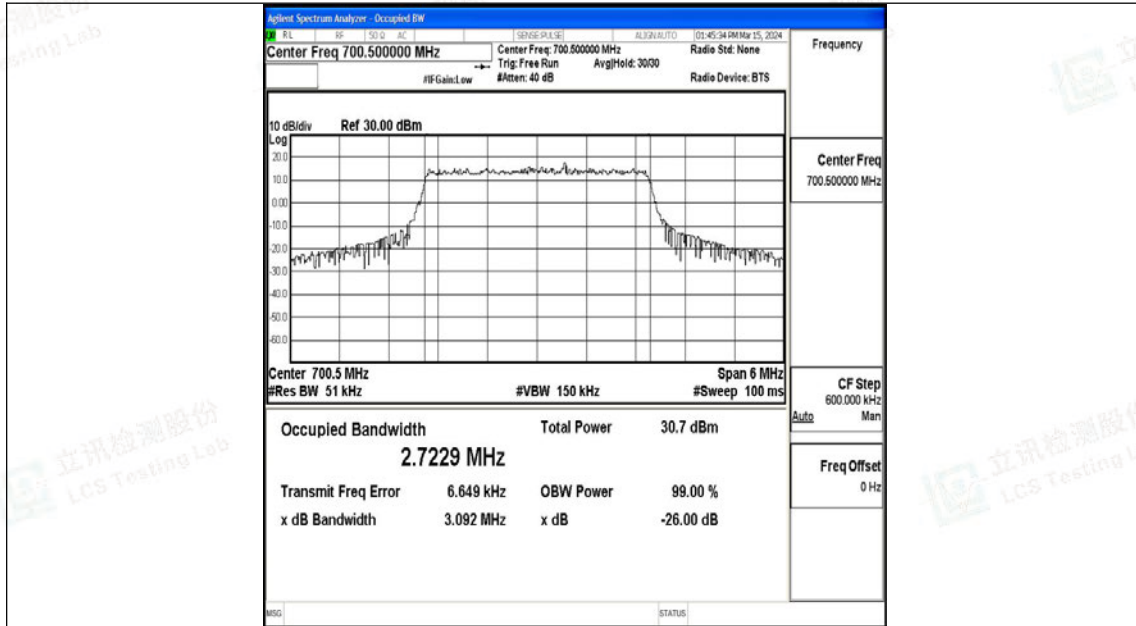


Band12-1.4MHz-QPSK-23173-6RB#0-PASS

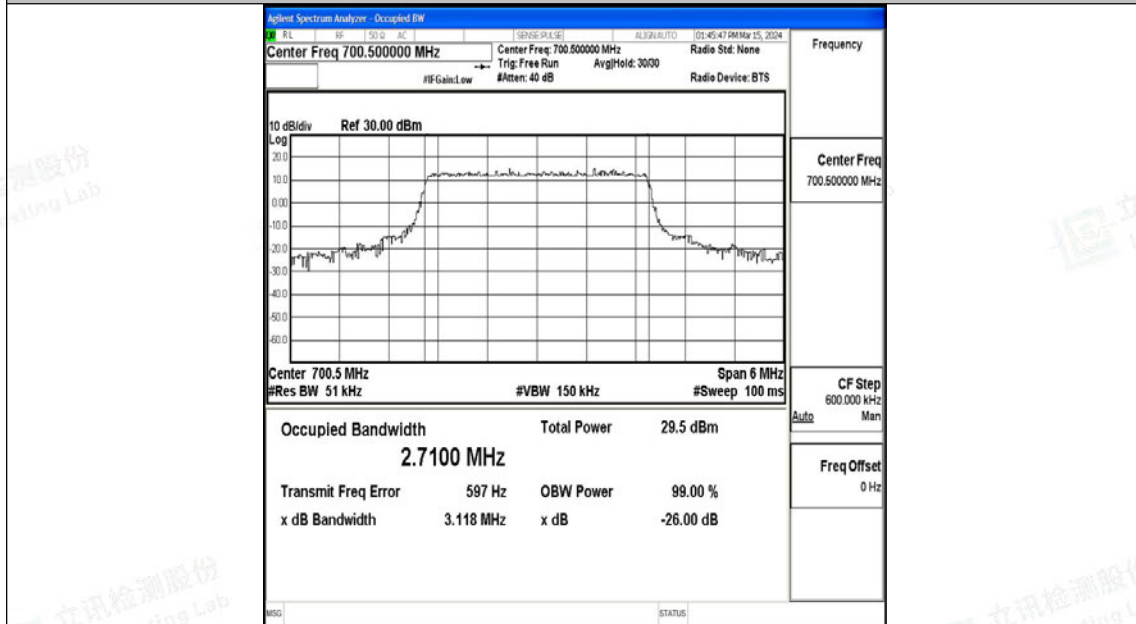


Band12-1.4MHz-16QAM-23173-6RB#0-PASS



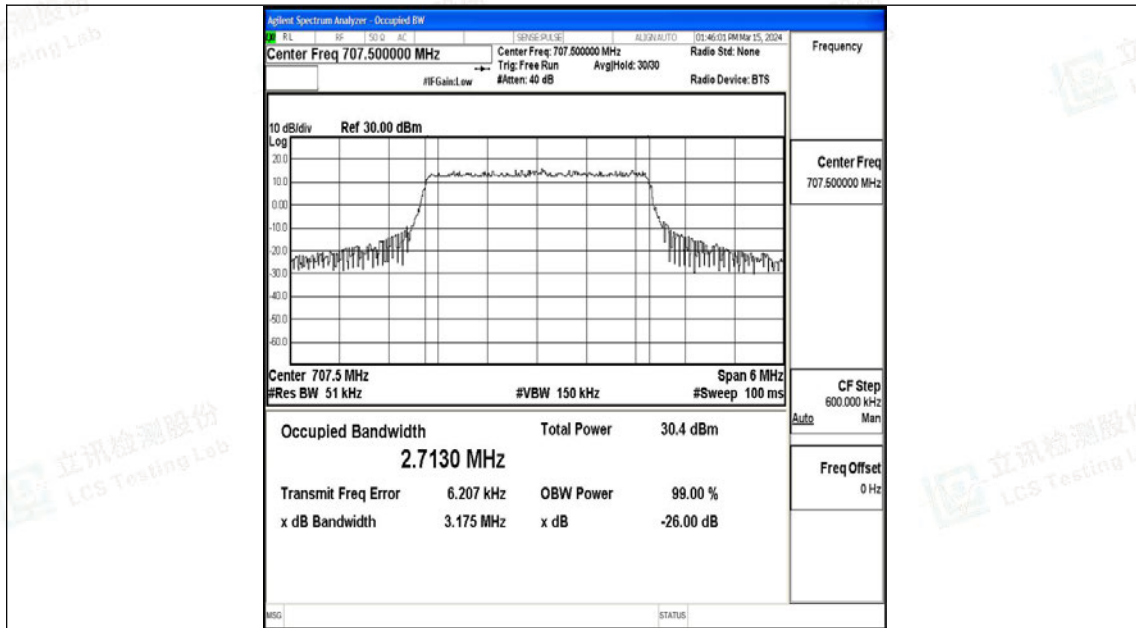


Band12-3MHz-QPSK-23025-15RB#0-PASS

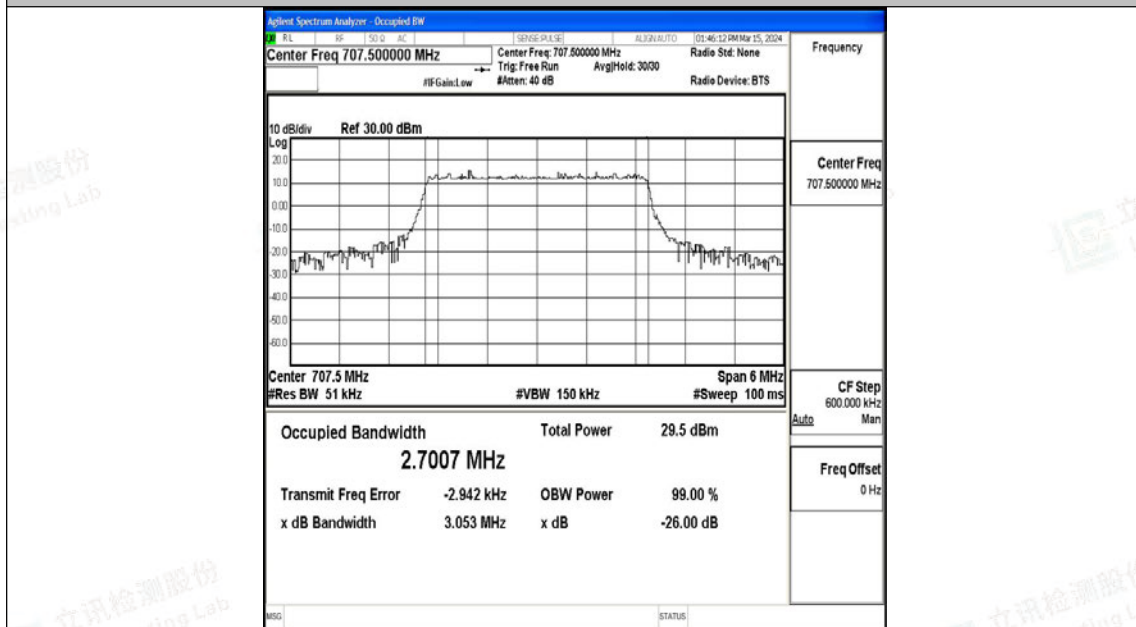


Band12-3MHz-16QAM-23025-15RB#0-PASS





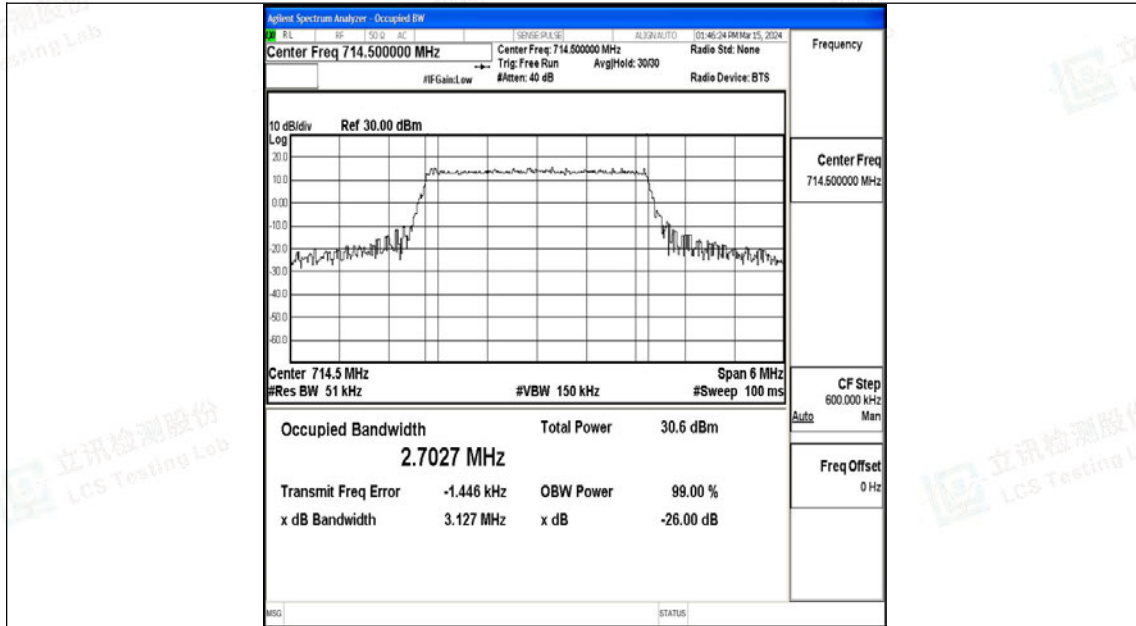
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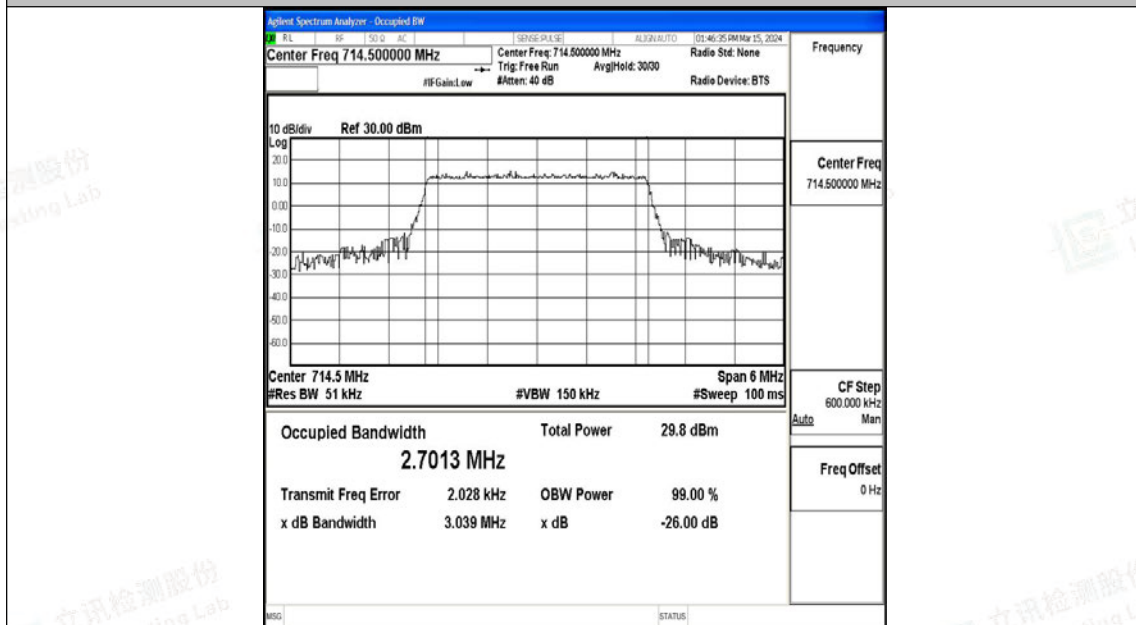
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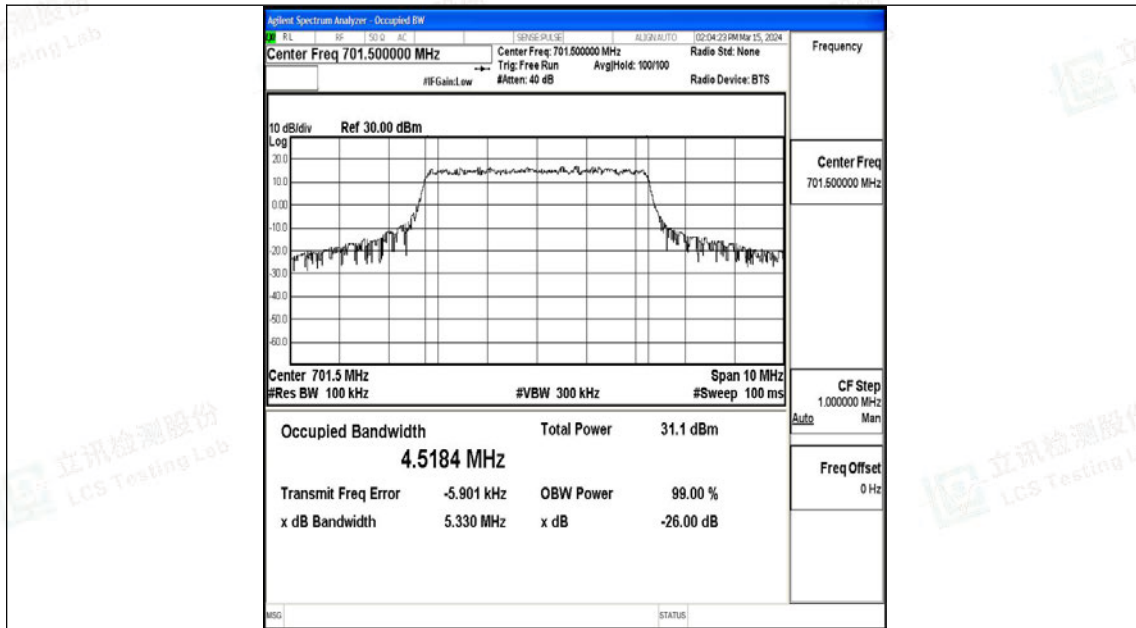


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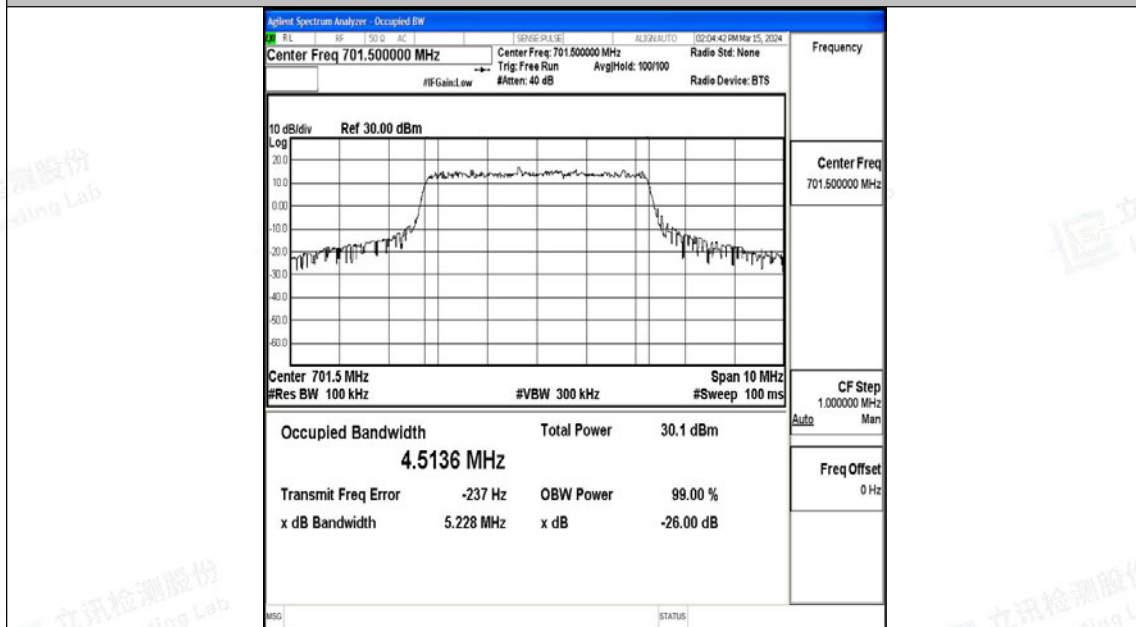


Band12-3MHz-16QAM-23165-15RB#0-PASS



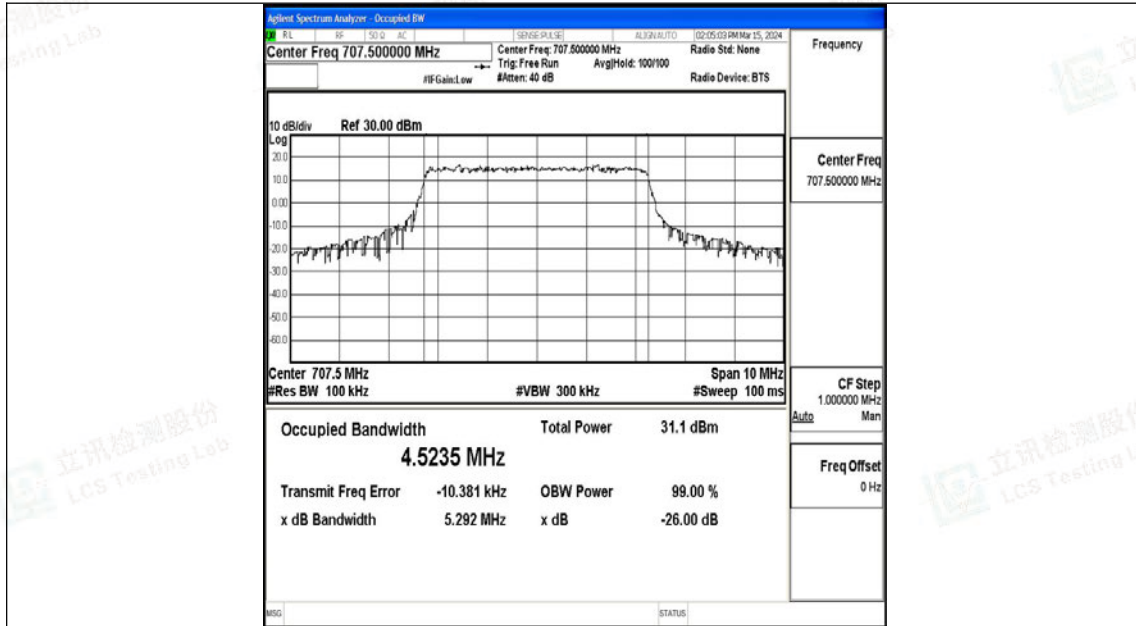


Band12-5MHz-QPSK-23035-25RB#0-PASS

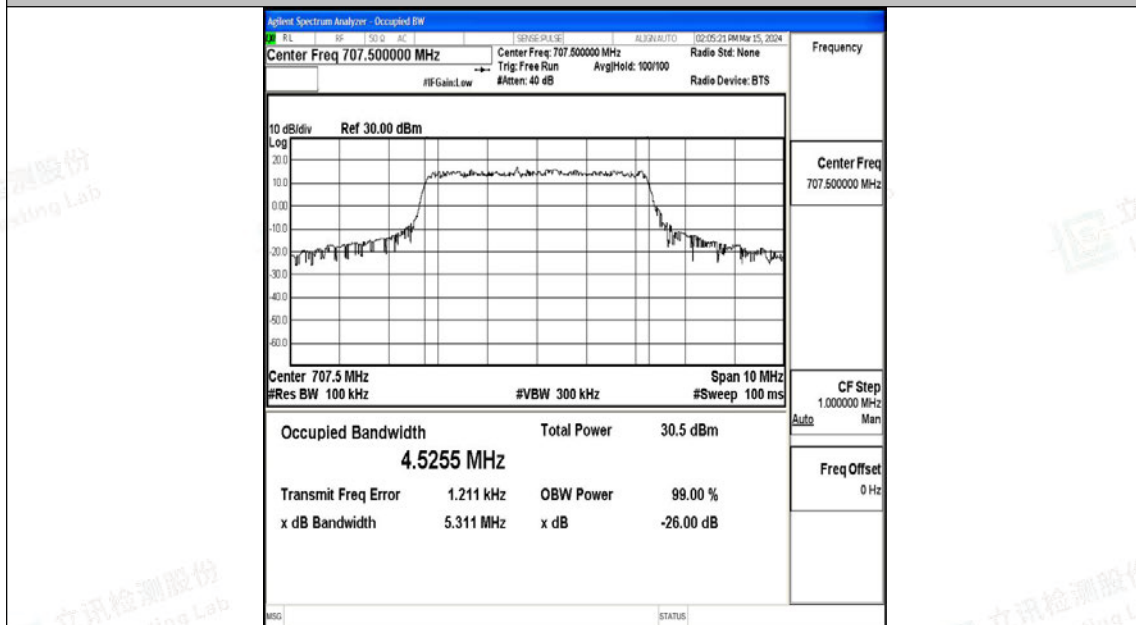


Band12-5MHz-16QAM-23035-25RB#0-PASS



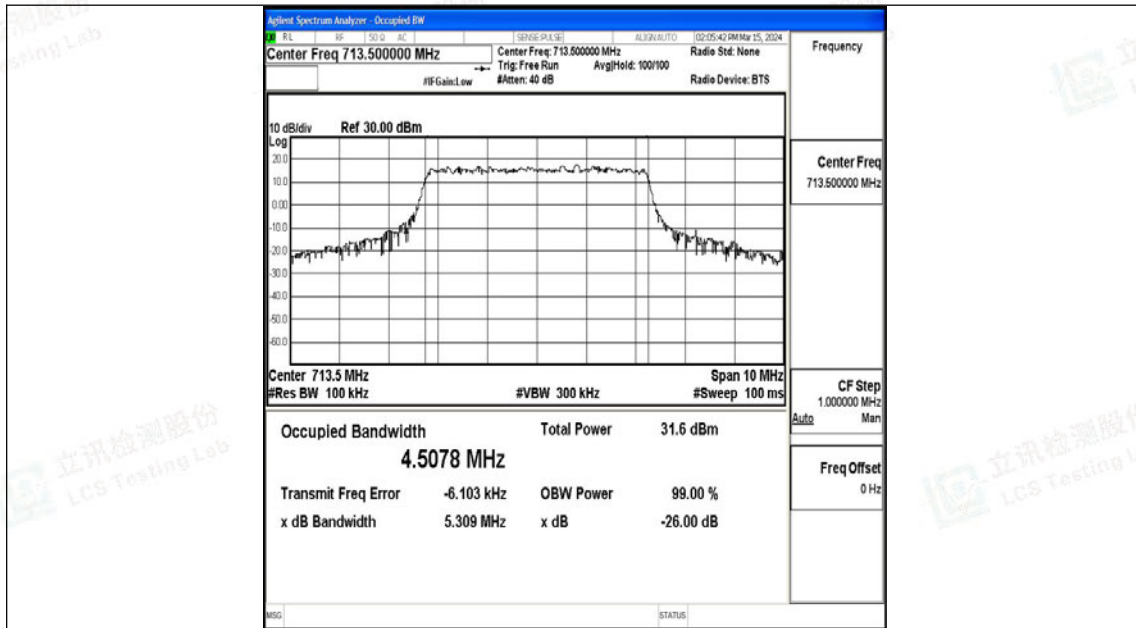


Band12-5MHz-QPSK-23095-25RB#0-PASS

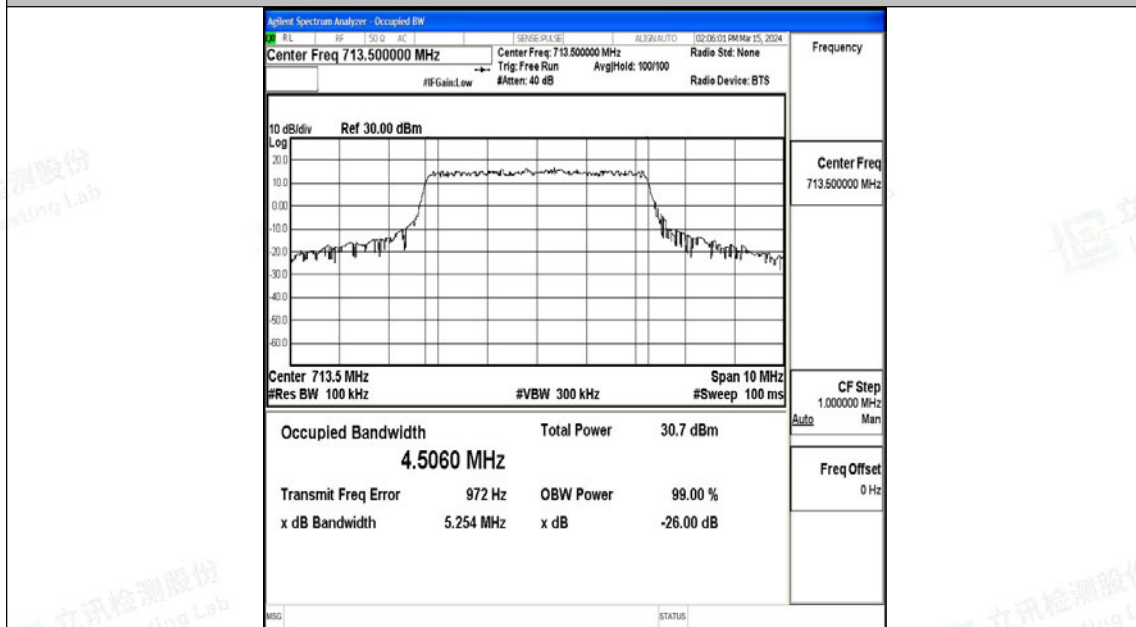


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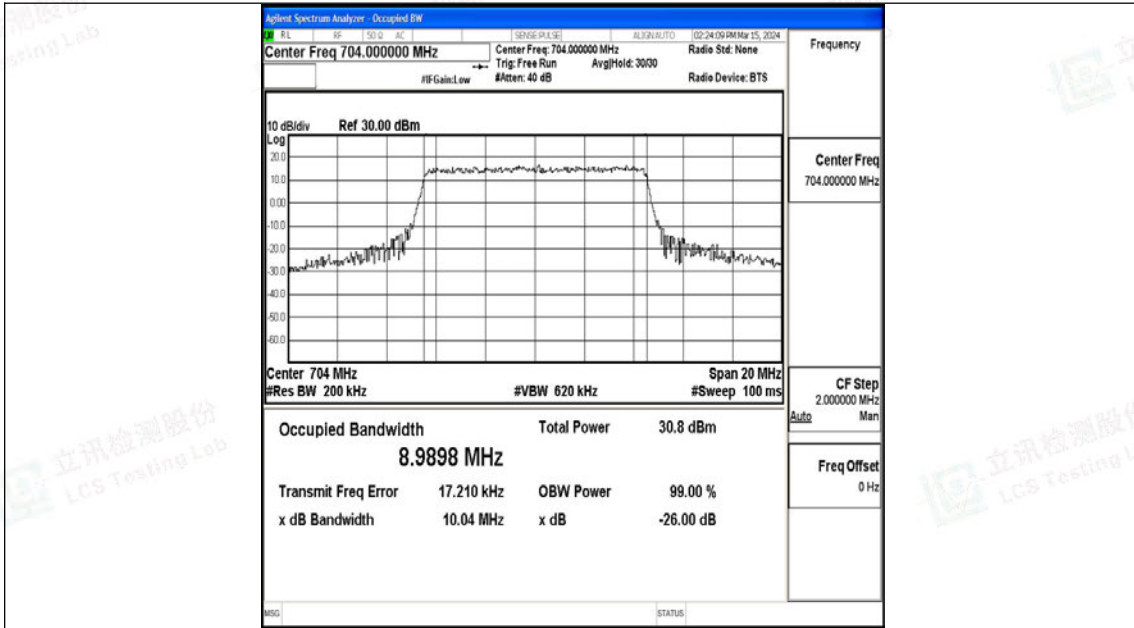


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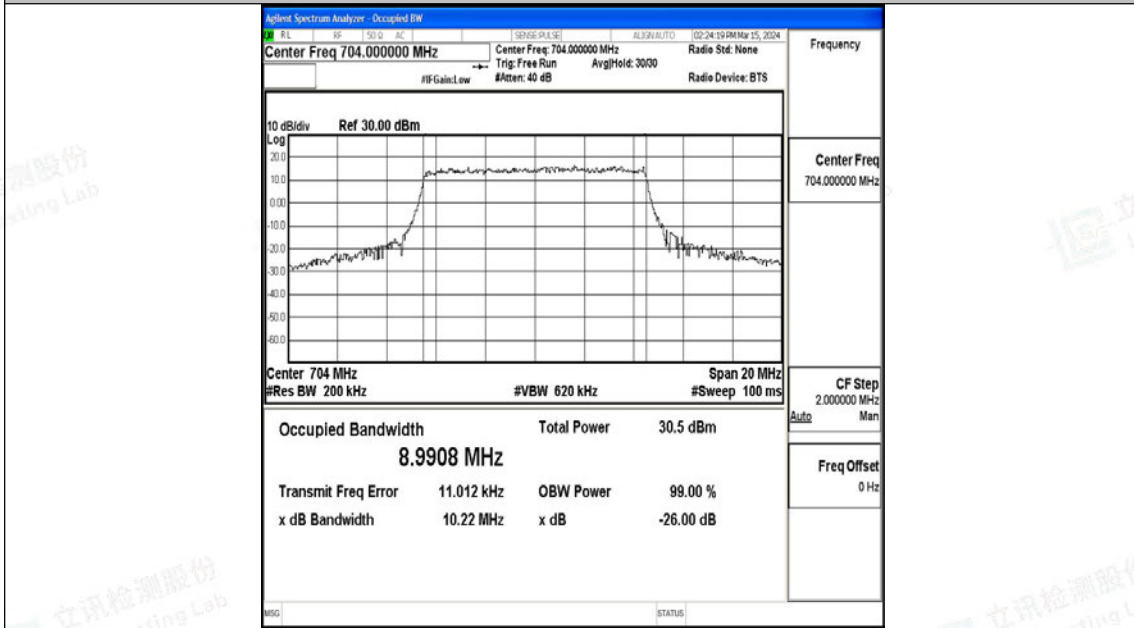


Band12-5MHz-16QAM-23155-25RB#0-PASS





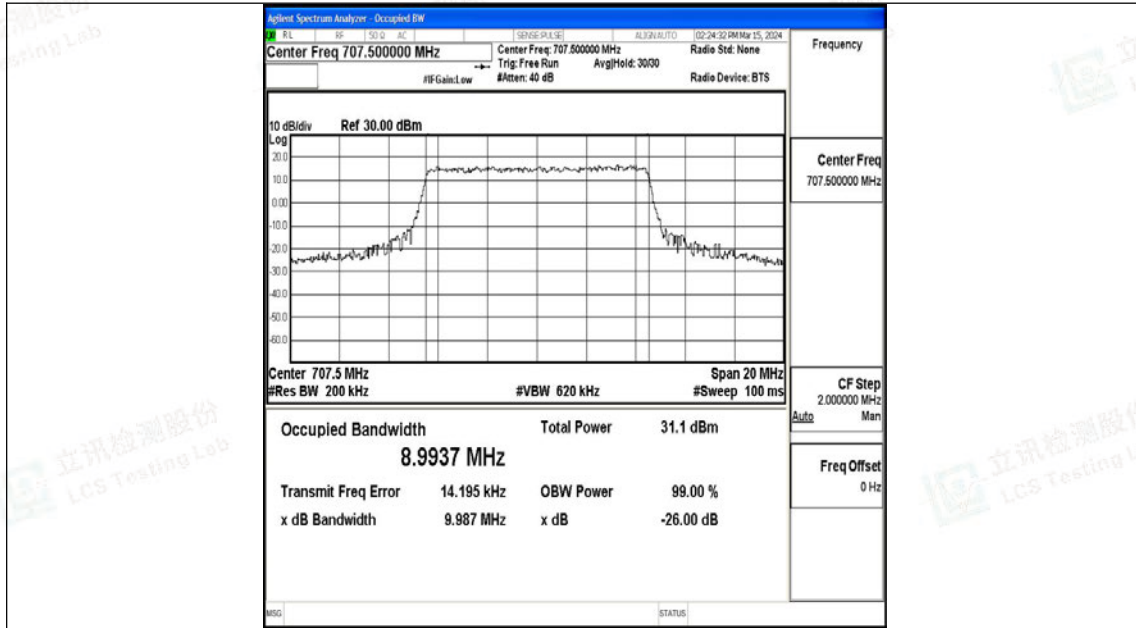
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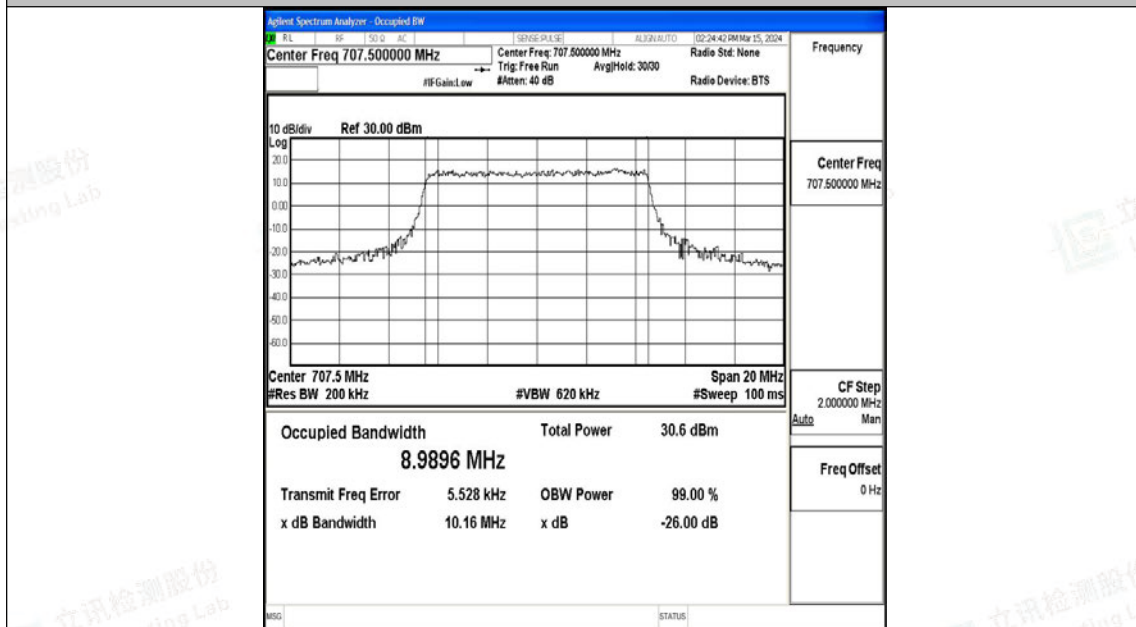
Band12-10MHz-16QAM-23060-50RB#0-PASS





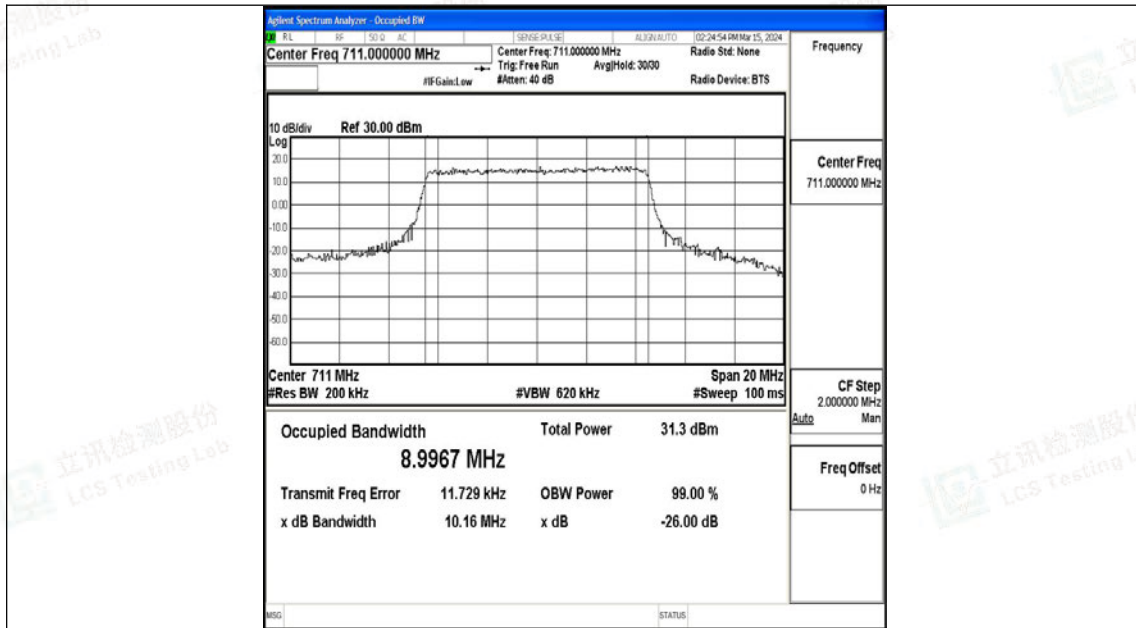


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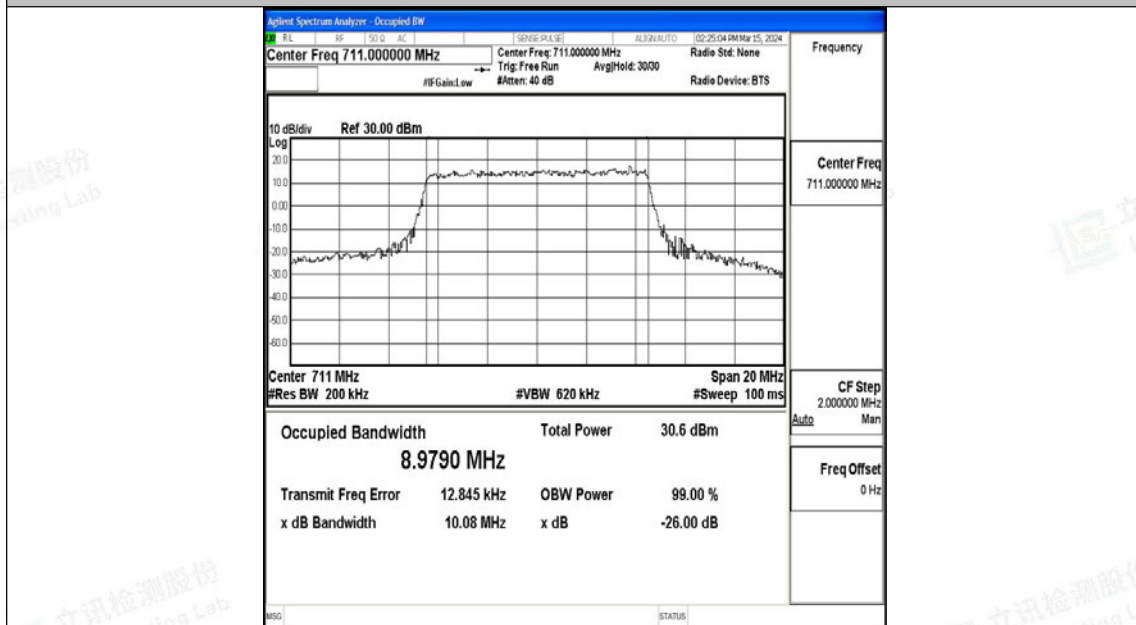


Band12-10MHz-16QAM-23095-50RB#0-PASS





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



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



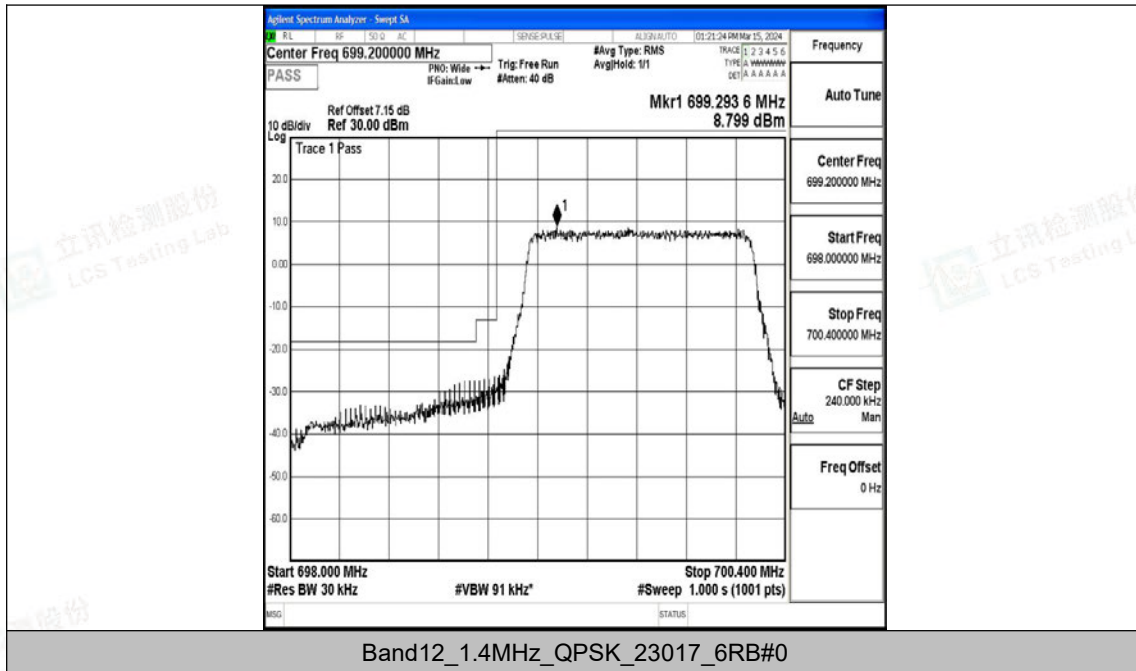


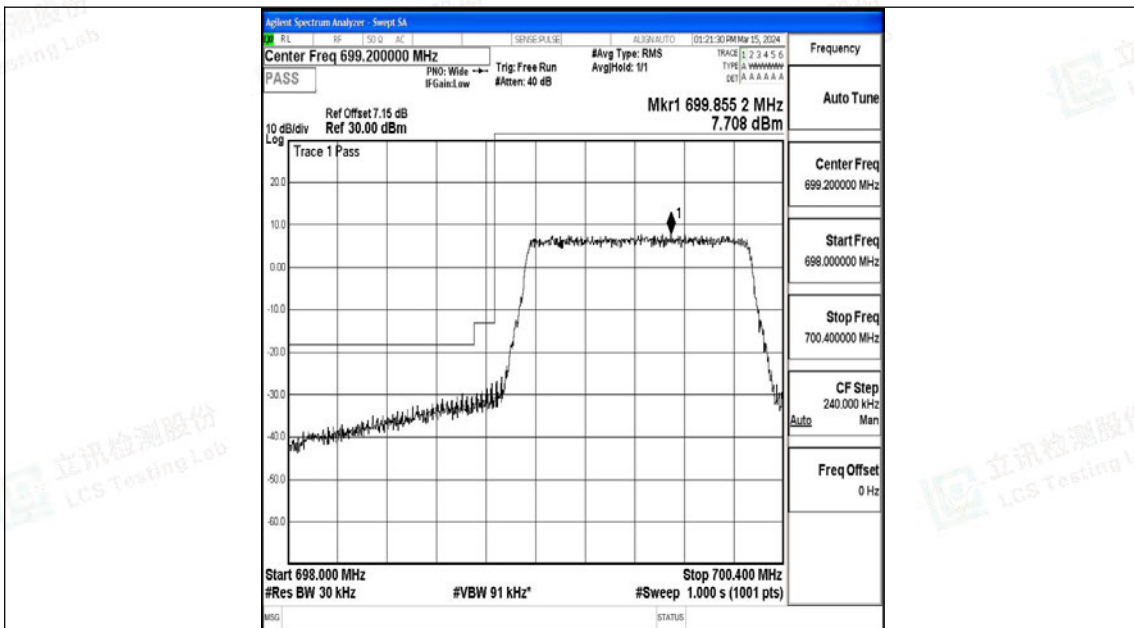
### L.4 Band Edge

#### Test Result

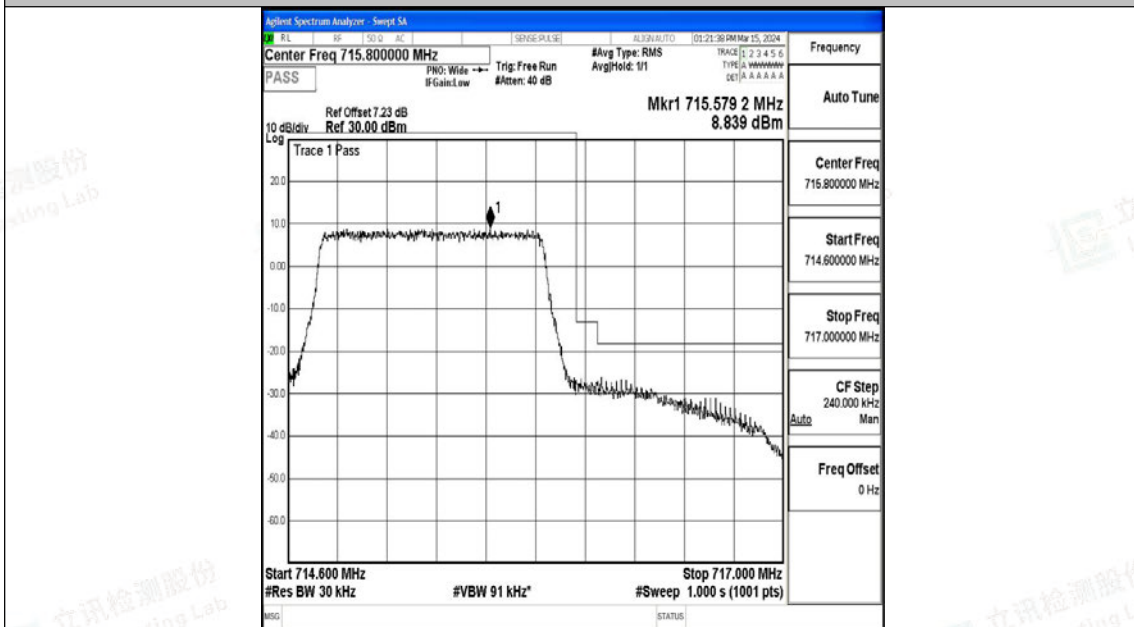
Band	Bandwidth	Modulation	Channel	RB Configuration	Peak Frequency	Result(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	698.87	-27.42	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	698.84	-29.87	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	716.12	-26.25	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	716.13	-26.54	PASS
Band12	3MHz	QPSK	23025	15RB#0	699.00	-23.34	PASS
Band12	3MHz	16QAM	23025	15RB#0	699.00	-25.08	PASS
Band12	3MHz	QPSK	23165	15RB#0	716.00	-23.45	PASS
Band12	3MHz	16QAM	23165	15RB#0	716.00	-24.76	PASS
Band12	5MHz	QPSK	23035	25RB#0	698.87	-34.68	PASS
Band12	5MHz	16QAM	23035	25RB#0	698.85	-35.50	PASS
Band12	5MHz	QPSK	23155	25RB#0	716.11	-34.50	PASS
Band12	5MHz	16QAM	23155	25RB#0	716.11	-32.23	PASS
Band12	10MHz	QPSK	23060	50RB#0	698.72	-39.25	PASS
Band12	10MHz	16QAM	23060	50RB#0	698.87	-40.09	PASS
Band12	10MHz	QPSK	23130	50RB#0	716.12	-39.78	PASS
Band12	10MHz	16QAM	23130	50RB#0	716.19	-40.21	PASS

#### Test Graphs



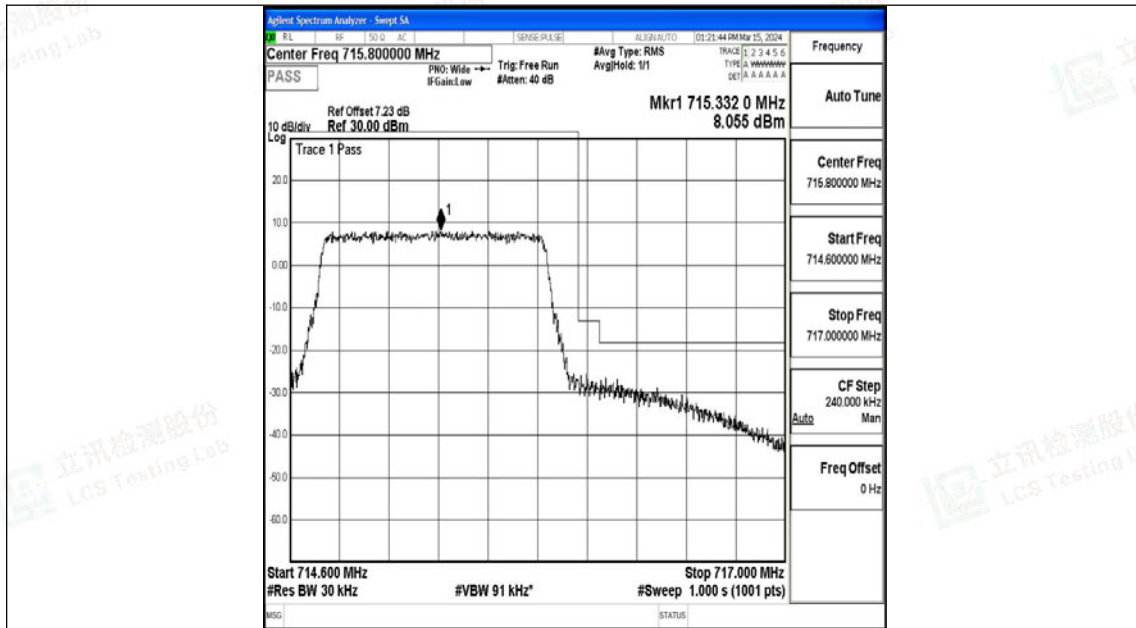


Band12\_1.4MHz\_16QAM\_23017\_6RB#0

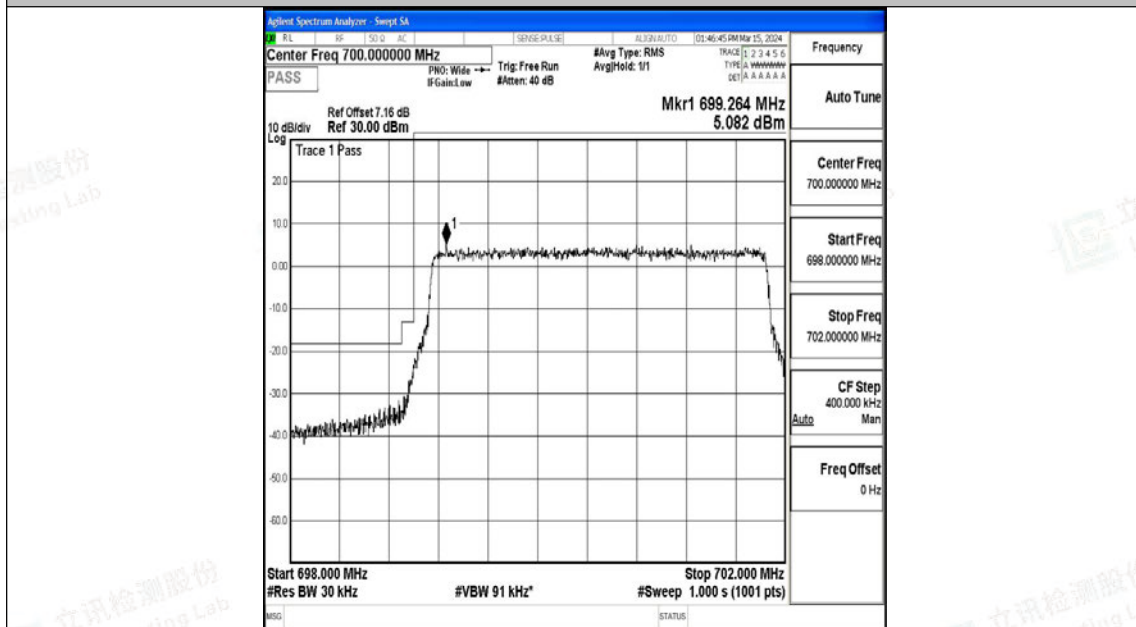


Band12\_1.4MHz\_QPSK\_23173\_6RB#0





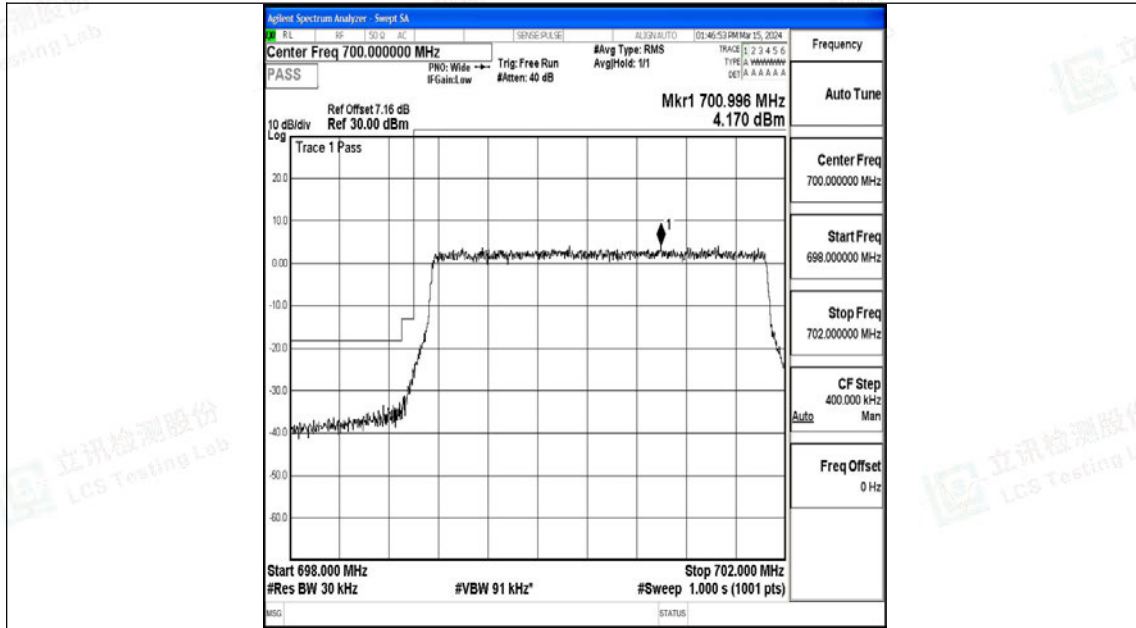
Band12\_1.4MHz\_16QAM\_23173\_6RB#0



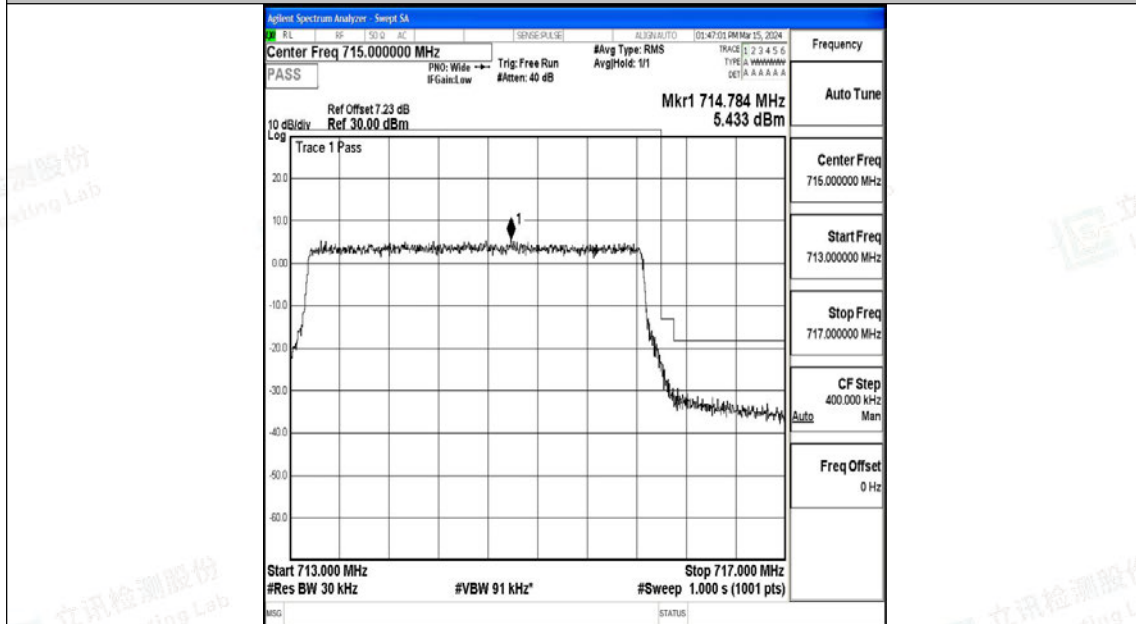
Band12\_3MHz\_QPSK\_23025\_15RB#0





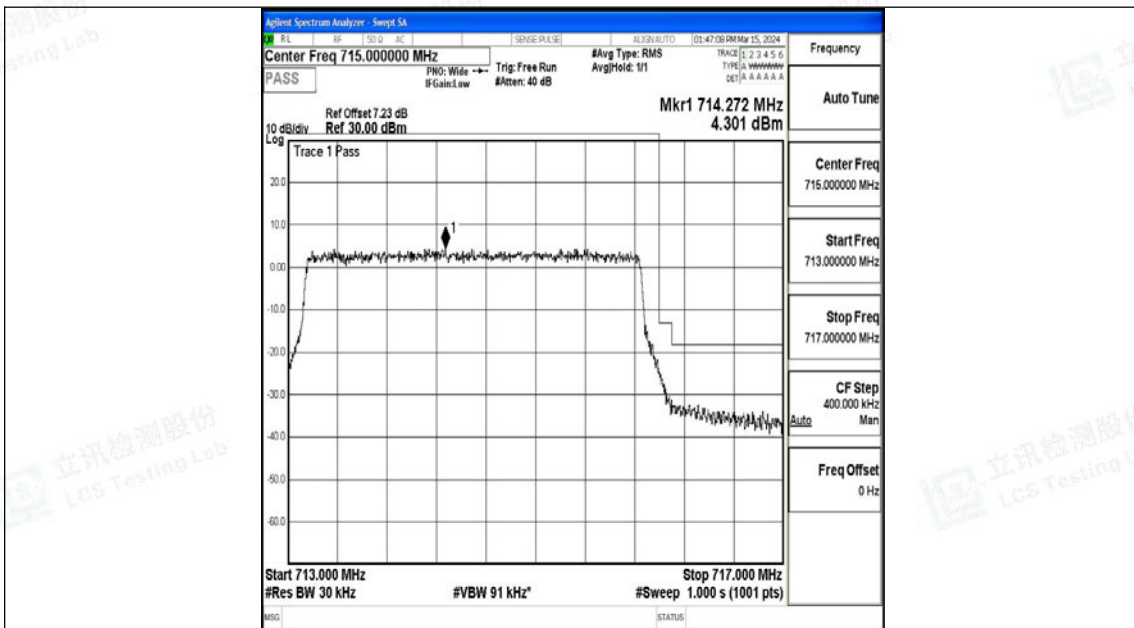


Band12\_3MHz\_16QAM\_23025\_15RB#0

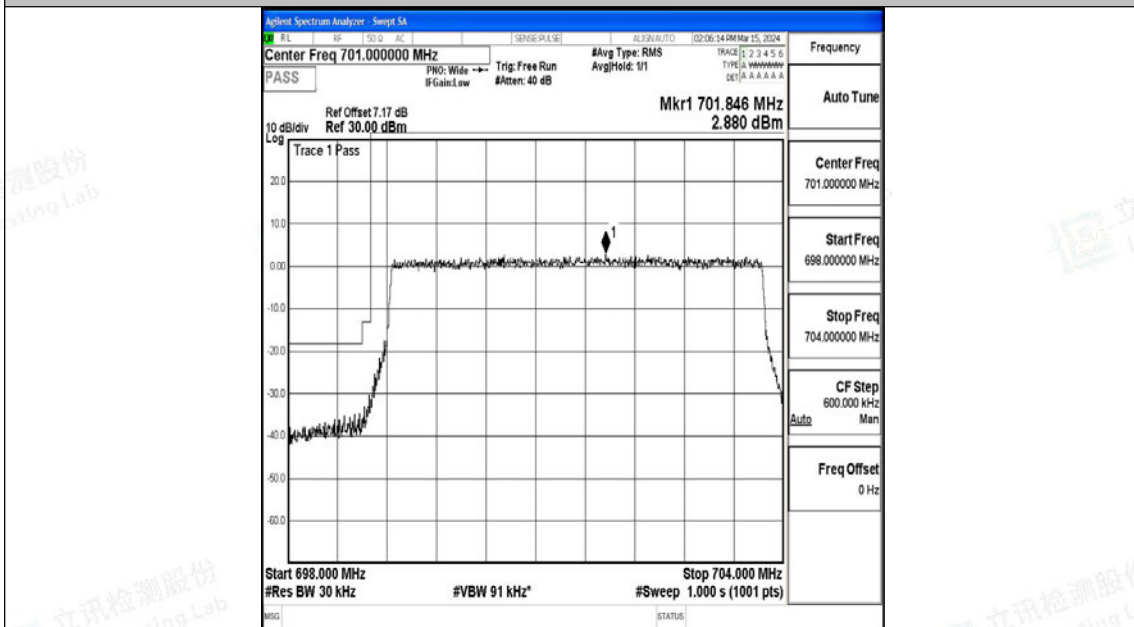


Band12\_3MHz\_QPSK\_23165\_15RB#0



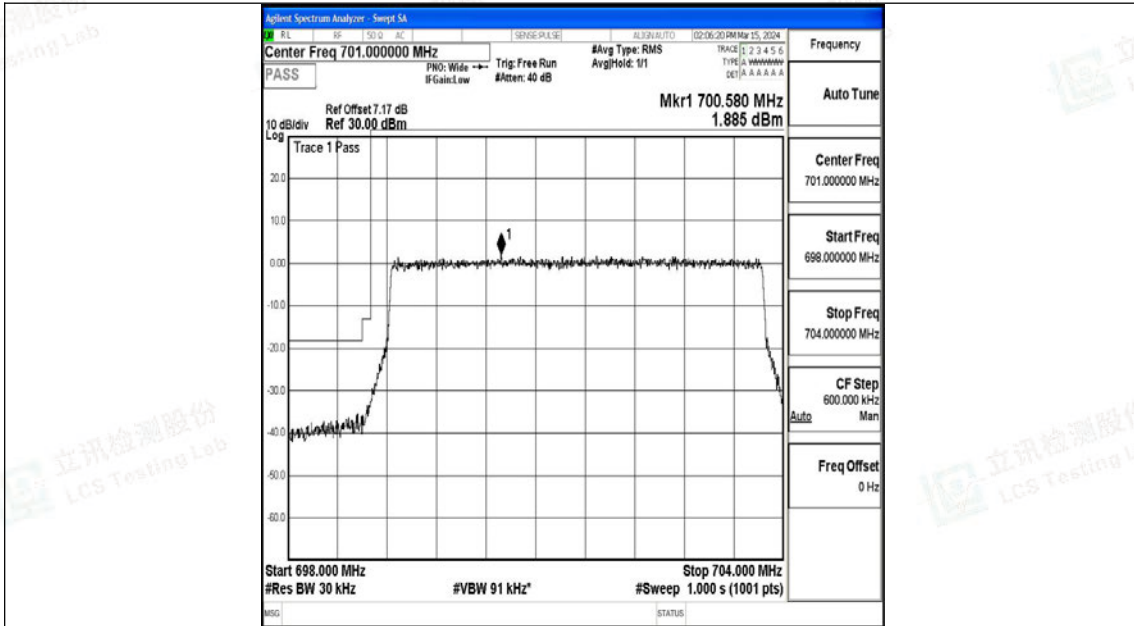


Band12\_3MHz\_16QAM\_23165\_15RB#0

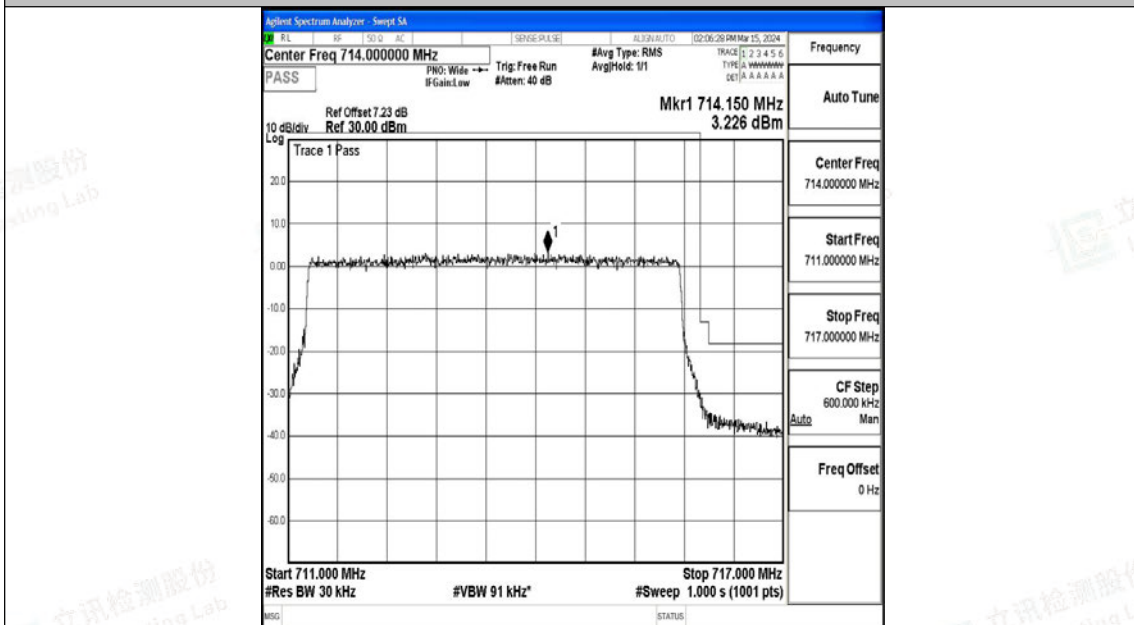


Band12\_5MHz\_QPSK\_23035\_25RB#0



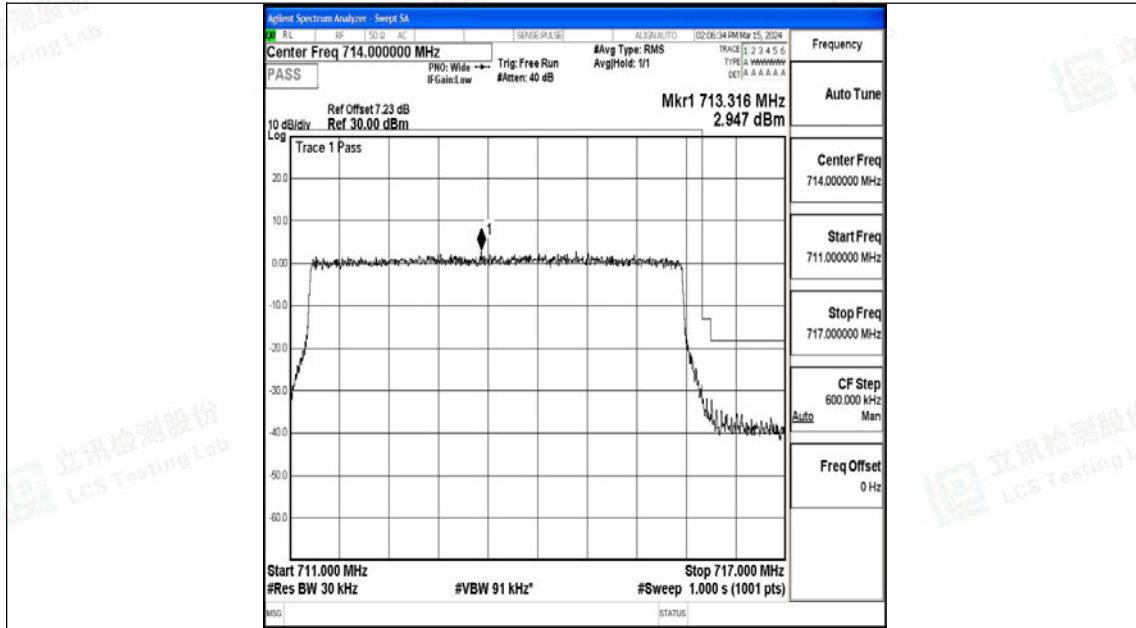


Band12\_5MHz\_16QAM\_23035\_25RB#0

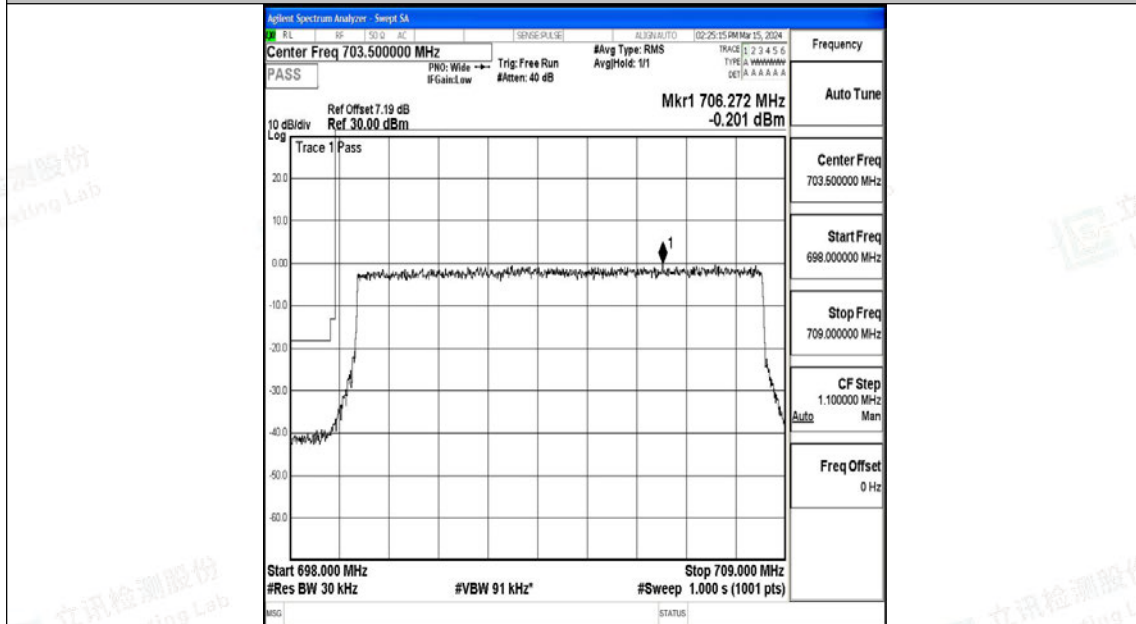


Band12\_5MHz\_QPSK\_23155\_25RB#0



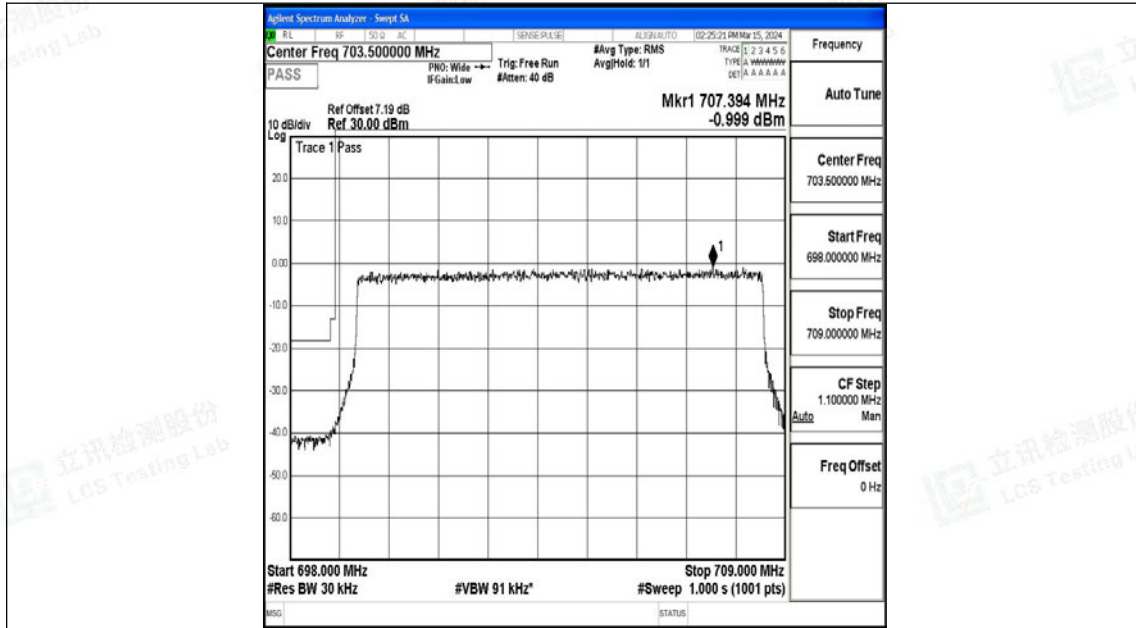


Band12\_5MHz\_16QAM\_23155\_25RB#0

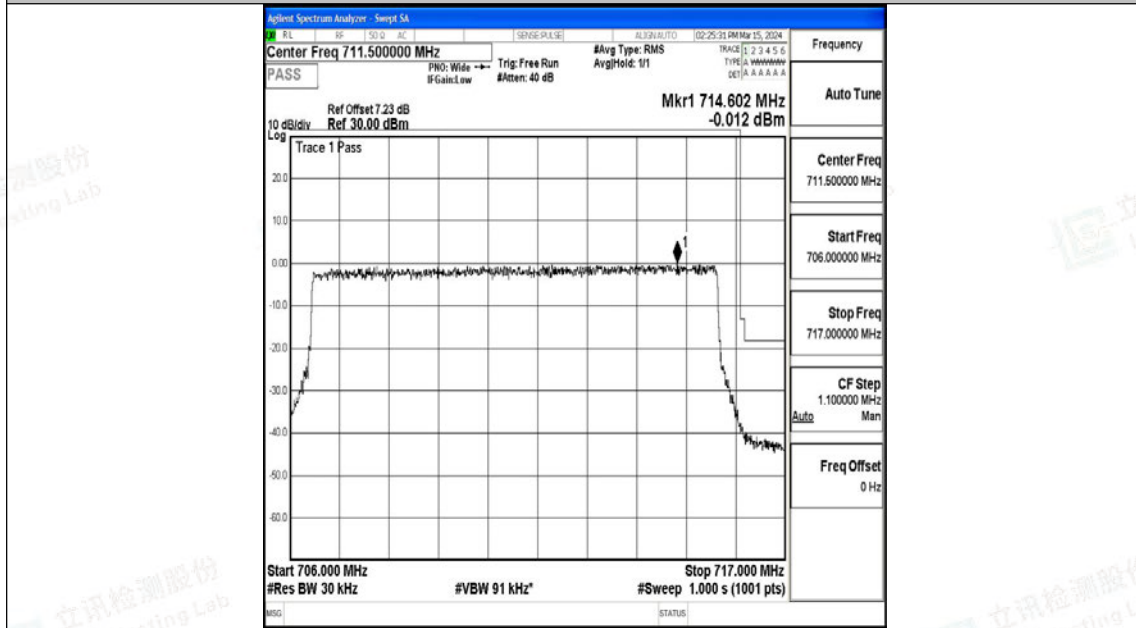


Band12\_10MHz\_QPSK\_23060\_50RB#0





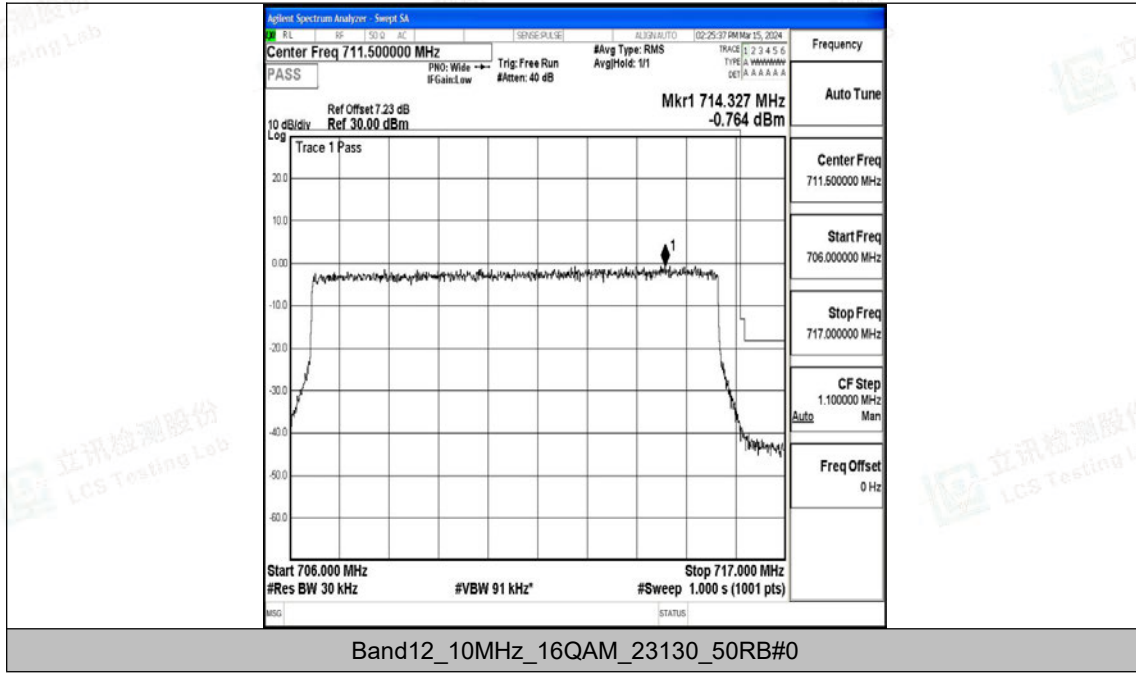
Band12\_10MHz\_16QAM\_23060\_50RB#0



Band12\_10MHz\_QPSK\_23130\_50RB#0









## 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	-53.40	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	0.15~30	-53.55	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	30~1000	-46.00	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	1000~3000	-44.66	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	3000~10000	-43.74	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	0.009~0.15	-54.69	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	0.15~30	-51.88	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	30~1000	-44.08	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	1000~3000	-43.37	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	3000~10000	-44.37	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	0.009~0.15	-59.00	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	0.15~30	-52.52	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	30~1000	-45.84	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	1000~3000	-45.03	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	3000~10000	-44.01	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	0.009~0.15	-57.93	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	0.15~30	-52.09	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	30~1000	-44.76	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	1000~3000	-43.81	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	3000~10000	-44.23	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	0.009~0.15	-57.13	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	0.15~30	-52.05	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	30~1000	-45.36	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	1000~3000	-44.01	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	3000~10000	-44.28	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	0.009~0.15	-58.81	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	0.15~30	-54.33	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	30~1000	-47.79	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	1000~3000	-43.37	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	3000~10000	-44.08	PASS
Band12	3MHz	QPSK	23025	1RB#0	0.009~0.15	-54.35	PASS
Band12	3MHz	QPSK	23025	1RB#0	0.15~30	-51.85	PASS
Band12	3MHz	QPSK	23025	1RB#0	30~1000	-47.87	PASS
Band12	3MHz	QPSK	23025	1RB#0	1000~3000	-44.70	PASS
Band12	3MHz	QPSK	23025	1RB#0	3000~10000	-44.16	PASS



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

Scan code to check authenticity



Band12	3MHz	16QAM	23025	1RB#0	0.009~0.15	-56.98	PASS
Band12	3MHz	16QAM	23025	1RB#0	0.15~30	-51.90	PASS
Band12	3MHz	16QAM	23025	1RB#0	30~1000	-50.34	PASS
Band12	3MHz	16QAM	23025	1RB#0	1000~3000	-43.67	PASS
Band12	3MHz	16QAM	23025	1RB#0	3000~10000	-44.16	PASS
Band12	3MHz	QPSK	23095	1RB#0	0.009~0.15	-55.59	PASS
Band12	3MHz	QPSK	23095	1RB#0	0.15~30	-49.47	PASS
Band12	3MHz	QPSK	23095	1RB#0	30~1000	-48.65	PASS
Band12	3MHz	QPSK	23095	1RB#0	1000~3000	-45.01	PASS
Band12	3MHz	QPSK	23095	1RB#0	3000~10000	-44.32	PASS
Band12	3MHz	16QAM	23095	1RB#0	0.009~0.15	-57.04	PASS
Band12	3MHz	16QAM	23095	1RB#0	0.15~30	-52.30	PASS
Band12	3MHz	16QAM	23095	1RB#0	30~1000	-48.43	PASS
Band12	3MHz	16QAM	23095	1RB#0	1000~3000	-45.01	PASS
Band12	3MHz	16QAM	23095	1RB#0	3000~10000	-44.01	PASS
Band12	3MHz	QPSK	23165	1RB#0	0.009~0.15	-58.96	PASS
Band12	3MHz	QPSK	23165	1RB#0	0.15~30	-52.04	PASS
Band12	3MHz	QPSK	23165	1RB#0	30~1000	-50.81	PASS
Band12	3MHz	QPSK	23165	1RB#0	1000~3000	-43.63	PASS
Band12	3MHz	QPSK	23165	1RB#0	3000~10000	-43.23	PASS
Band12	3MHz	16QAM	23165	1RB#0	0.009~0.15	-57.06	PASS
Band12	3MHz	16QAM	23165	1RB#0	0.15~30	-53.92	PASS
Band12	3MHz	16QAM	23165	1RB#0	30~1000	-51.30	PASS
Band12	3MHz	16QAM	23165	1RB#0	1000~3000	-42.99	PASS
Band12	3MHz	16QAM	23165	1RB#0	3000~10000	-44.25	PASS
Band12	5MHz	QPSK	23035	1RB#0	0.009~0.15	-55.79	PASS
Band12	5MHz	QPSK	23035	1RB#0	0.15~30	-53.80	PASS
Band12	5MHz	QPSK	23035	1RB#0	30~1000	-57.15	PASS
Band12	5MHz	QPSK	23035	1RB#0	1000~3000	-44.98	PASS
Band12	5MHz	QPSK	23035	1RB#0	3000~10000	-44.15	PASS
Band12	5MHz	16QAM	23035	1RB#0	0.009~0.15	-61.28	PASS
Band12	5MHz	16QAM	23035	1RB#0	0.15~30	-50.42	PASS
Band12	5MHz	16QAM	23035	1RB#0	30~1000	-58.93	PASS
Band12	5MHz	16QAM	23035	1RB#0	1000~3000	-46.02	PASS
Band12	5MHz	16QAM	23035	1RB#0	3000~10000	-43.81	PASS
Band12	5MHz	QPSK	23095	1RB#0	0.009~0.15	-57.34	PASS
Band12	5MHz	QPSK	23095	1RB#0	0.15~30	-51.23	PASS
Band12	5MHz	QPSK	23095	1RB#0	30~1000	-60.65	PASS
Band12	5MHz	QPSK	23095	1RB#0	1000~3000	-44.77	PASS
Band12	5MHz	QPSK	23095	1RB#0	3000~10000	-44.38	PASS



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Scan code to check authenticity



Band12	5MHz	16QAM	23095	1RB#0	0.009~0.15	-58.29	PASS
Band12	5MHz	16QAM	23095	1RB#0	0.15~30	-52.79	PASS
Band12	5MHz	16QAM	23095	1RB#0	30~1000	-61.05	PASS
Band12	5MHz	16QAM	23095	1RB#0	1000~3000	-45.44	PASS
Band12	5MHz	16QAM	23095	1RB#0	3000~10000	-43.98	PASS
Band12	5MHz	QPSK	23155	1RB#0	0.009~0.15	-56.70	PASS
Band12	5MHz	QPSK	23155	1RB#0	0.15~30	-50.94	PASS
Band12	5MHz	QPSK	23155	1RB#0	30~1000	-59.32	PASS
Band12	5MHz	QPSK	23155	1RB#0	1000~3000	-44.07	PASS
Band12	5MHz	QPSK	23155	1RB#0	3000~10000	-43.95	PASS
Band12	5MHz	16QAM	23155	1RB#0	0.009~0.15	-58.14	PASS
Band12	5MHz	16QAM	23155	1RB#0	0.15~30	-55.11	PASS
Band12	5MHz	16QAM	23155	1RB#0	30~1000	-59.09	PASS
Band12	5MHz	16QAM	23155	1RB#0	1000~3000	-44.53	PASS
Band12	5MHz	16QAM	23155	1RB#0	3000~10000	-44.32	PASS
Band12	10MHz	QPSK	23060	1RB#0	0.009~0.15	-61.22	PASS
Band12	10MHz	QPSK	23060	1RB#0	0.15~30	-52.63	PASS
Band12	10MHz	QPSK	23060	1RB#0	30~1000	-61.96	PASS
Band12	10MHz	QPSK	23060	1RB#0	1000~3000	-45.24	PASS
Band12	10MHz	QPSK	23060	1RB#0	3000~10000	-44.25	PASS
Band12	10MHz	16QAM	23060	1RB#0	0.009~0.15	-57.18	PASS
Band12	10MHz	16QAM	23060	1RB#0	0.15~30	-52.38	PASS
Band12	10MHz	16QAM	23060	1RB#0	30~1000	-62.00	PASS
Band12	10MHz	16QAM	23060	1RB#0	1000~3000	-45.22	PASS
Band12	10MHz	16QAM	23060	1RB#0	3000~10000	-43.95	PASS
Band12	10MHz	QPSK	23095	1RB#0	0.009~0.15	-58.66	PASS
Band12	10MHz	QPSK	23095	1RB#0	0.15~30	-50.23	PASS
Band12	10MHz	QPSK	23095	1RB#0	30~1000	-61.99	PASS
Band12	10MHz	QPSK	23095	1RB#0	1000~3000	-45.28	PASS
Band12	10MHz	QPSK	23095	1RB#0	3000~10000	-44.27	PASS
Band12	10MHz	16QAM	23095	1RB#0	0.009~0.15	-56.67	PASS
Band12	10MHz	16QAM	23095	1RB#0	0.15~30	-51.73	PASS
Band12	10MHz	16QAM	23095	1RB#0	30~1000	-61.96	PASS
Band12	10MHz	16QAM	23095	1RB#0	1000~3000	-44.08	PASS
Band12	10MHz	16QAM	23095	1RB#0	3000~10000	-43.81	PASS
Band12	10MHz	QPSK	23130	1RB#0	0.009~0.15	-55.31	PASS
Band12	10MHz	QPSK	23130	1RB#0	0.15~30	-51.41	PASS
Band12	10MHz	QPSK	23130	1RB#0	30~1000	-62.04	PASS
Band12	10MHz	QPSK	23130	1RB#0	1000~3000	-45.41	PASS
Band12	10MHz	QPSK	23130	1RB#0	3000~10000	-43.94	PASS



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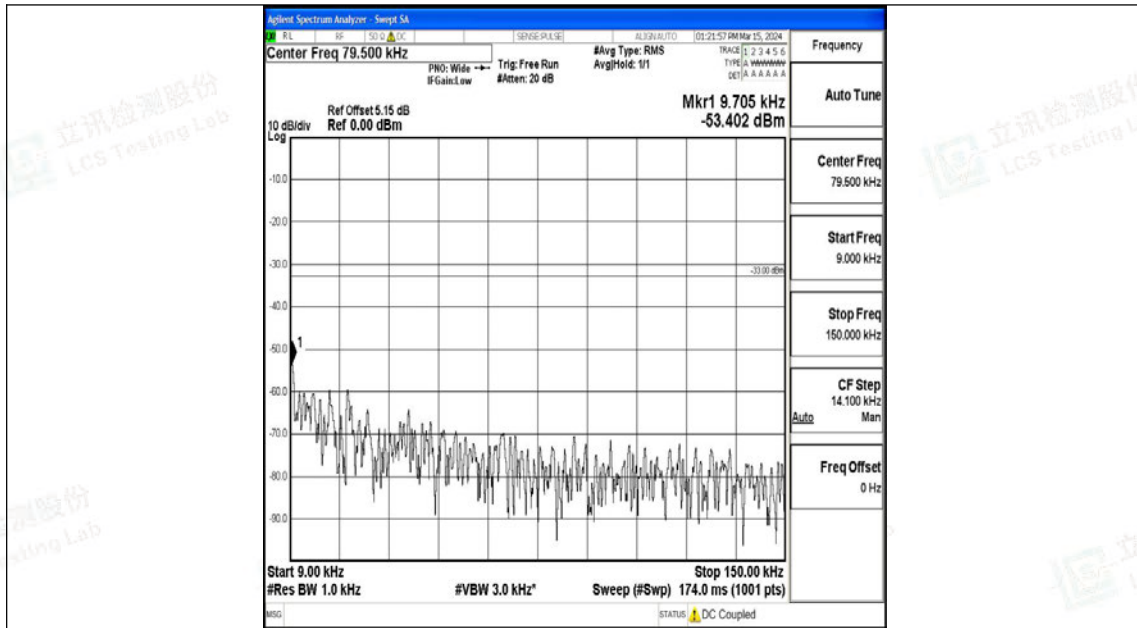
Scan code to check authenticity



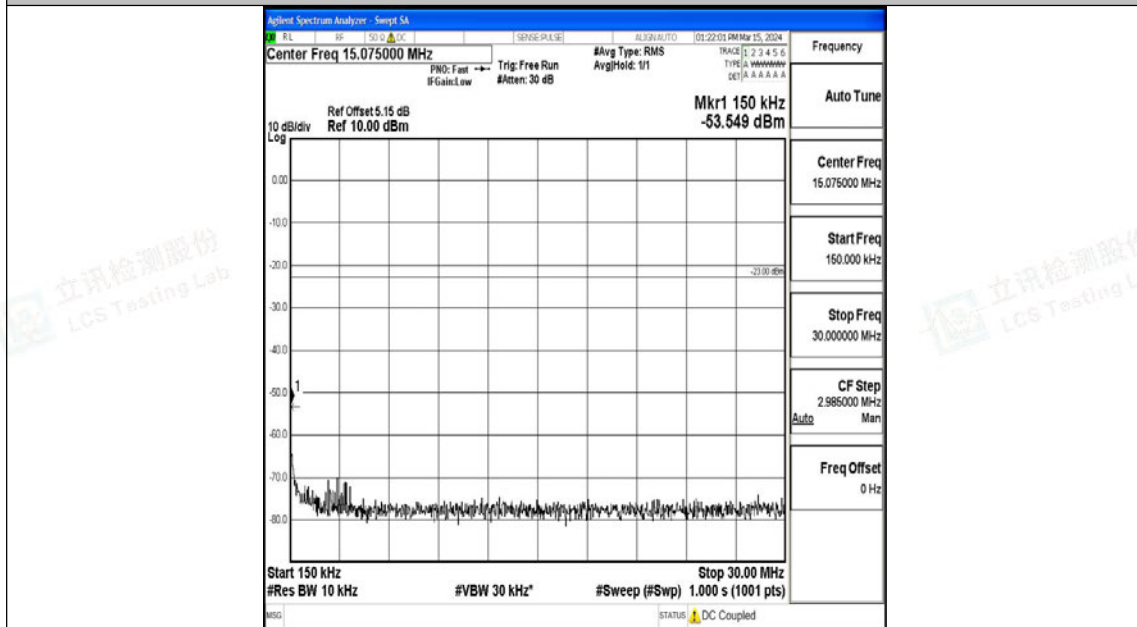


Band12	10MHz	16QAM	23130	1RB#0	0.009~0.15	-56.39	PASS
Band12	10MHz	16QAM	23130	1RB#0	0.15~30	-51.74	PASS
Band12	10MHz	16QAM	23130	1RB#0	30~1000	-62.25	PASS
Band12	10MHz	16QAM	23130	1RB#0	1000~3000	-45.25	PASS
Band12	10MHz	16QAM	23130	1RB#0	3000~10000	-44.29	PASS

### 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

