



Appendix I: Test Data for E-UTRA Band 12

Product Name: Smart Phone

Test Model: HPPL63A

Environmental Conditions

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





I.1 Conducted Output Power Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	23.81	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	23.35	PASS
Band12	1.4MHz	QPSK	23017	1RB#2	23.84	PASS
Band12	1.4MHz	16QAM	23017	1RB#2	23.35	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	23.94	PASS
Band12	1.4MHz	QPSK	23017	3RB#0	23.83	PASS
Band12	1.4MHz	16QAM	23017	3RB#0	22.91	PASS
Band12	1.4MHz	QPSK	23017	3RB#1	23.84	PASS
Band12	1.4MHz	16QAM	23017	3RB#1	23.25	PASS
Band12	1.4MHz	QPSK	23017	3RB#3	23.76	PASS
Band12	1.4MHz	16QAM	23017	3RB#3	22.34	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	22.96	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	22.09	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	22.51	PASS
Band12	1.4MHz	QPSK	23095	1RB#2	23.91	PASS
Band12	1.4MHz	16QAM	23095	1RB#2	22.63	PASS
Band12	1.4MHz	QPSK	23095	1RB#5	23.92	PASS
Band12	1.4MHz	16QAM	23095	1RB#5	22.58	PASS
Band12	1.4MHz	QPSK	23095	3RB#0	23.92	PASS
Band12	1.4MHz	16QAM	23095	3RB#0	22.95	PASS
Band12	1.4MHz	QPSK	23095	3RB#1	23.81	PASS
Band12	1.4MHz	16QAM	23095	3RB#1	22.98	PASS
Band12	1.4MHz	16QAM	23095	3RB#3	22.95	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	22.90	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	22.16	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	23.77	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	23.23	PASS
Band12	1.4MHz	QPSK	23173	1RB#2	23.78	PASS
Band12	1.4MHz	16QAM	23173	1RB#2	23.21	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	23.64	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	23.50	PASS
Band12	1.4MHz	QPSK	23173	3RB#0	23.80	PASS
Band12	1.4MHz	16QAM	23173	3RB#0	22.73	PASS
Band12	1.4MHz	QPSK	23173	3RB#1	23.84	PASS



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Scan code to check authenticity



Band12	1.4MHz	16QAM	23173	3RB#1	22.73	PASS
Band12	1.4MHz	QPSK	23173	3RB#3	23.80	PASS
Band12	1.4MHz	16QAM	23173	3RB#3	22.83	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	22.20	PASS
Band12	3MHz	QPSK	23025	1RB#0	23.64	PASS
Band12	3MHz	16QAM	23025	1RB#0	22.59	PASS
Band12	3MHz	QPSK	23025	1RB#8	23.62	PASS
Band12	3MHz	16QAM	23025	1RB#8	22.52	PASS
Band12	3MHz	QPSK	23025	1RB#14	23.56	PASS
Band12	3MHz	16QAM	23025	1RB#14	22.59	PASS
Band12	3MHz	QPSK	23025	8RB#0	22.79	PASS
Band12	3MHz	16QAM	23025	8RB#0	22.20	PASS
Band12	3MHz	QPSK	23025	8RB#4	22.83	PASS
Band12	3MHz	16QAM	23025	8RB#4	22.20	PASS
Band12	3MHz	QPSK	23025	8RB#7	22.86	PASS
Band12	3MHz	16QAM	23025	8RB#7	22.11	PASS
Band12	3MHz	QPSK	23025	15RB#0	22.75	PASS
Band12	3MHz	16QAM	23025	15RB#0	22.03	PASS
Band12	3MHz	QPSK	23095	1RB#0	23.70	PASS
Band12	3MHz	16QAM	23095	1RB#0	22.43	PASS
Band12	3MHz	QPSK	23095	1RB#8	23.70	PASS
Band12	3MHz	16QAM	23095	1RB#8	22.42	PASS
Band12	3MHz	QPSK	23095	1RB#14	23.72	PASS
Band12	3MHz	16QAM	23095	1RB#14	22.46	PASS
Band12	3MHz	QPSK	23095	8RB#0	22.62	PASS
Band12	3MHz	16QAM	23095	8RB#0	22.17	PASS
Band12	3MHz	QPSK	23095	8RB#4	22.67	PASS
Band12	3MHz	16QAM	23095	8RB#4	22.07	PASS
Band12	3MHz	QPSK	23095	8RB#7	22.67	PASS
Band12	3MHz	16QAM	23095	8RB#7	22.14	PASS
Band12	3MHz	QPSK	23095	15RB#0	22.78	PASS
Band12	3MHz	16QAM	23095	15RB#0	21.81	PASS
Band12	3MHz	QPSK	23165	1RB#0	23.68	PASS
Band12	3MHz	16QAM	23165	1RB#0	23.17	PASS
Band12	3MHz	QPSK	23165	1RB#8	23.74	PASS
Band12	3MHz	16QAM	23165	1RB#8	23.08	PASS
Band12	3MHz	QPSK	23165	1RB#14	23.63	PASS
Band12	3MHz	16QAM	23165	1RB#14	23.01	PASS
Band12	3MHz	QPSK	23165	8RB#0	22.75	PASS
Band12	3MHz	16QAM	23165	8RB#0	22.05	PASS





Band12	3MHz	QPSK	23165	8RB#4	22.66	PASS
Band12	3MHz	16QAM	23165	8RB#4	22.06	PASS
Band12	3MHz	QPSK	23165	8RB#7	22.77	PASS
Band12	3MHz	16QAM	23165	8RB#7	22.05	PASS
Band12	3MHz	QPSK	23165	15RB#0	22.77	PASS
Band12	3MHz	16QAM	23165	15RB#0	21.80	PASS
Band12	5MHz	QPSK	23035	1RB#0	23.71	PASS
Band12	5MHz	16QAM	23035	1RB#0	22.34	PASS
Band12	5MHz	QPSK	23035	1RB#12	23.77	PASS
Band12	5MHz	16QAM	23035	1RB#12	22.27	PASS
Band12	5MHz	QPSK	23035	1RB#24	23.80	PASS
Band12	5MHz	16QAM	23035	1RB#24	22.20	PASS
Band12	5MHz	QPSK	23035	12RB#0	22.82	PASS
Band12	5MHz	16QAM	23035	12RB#0	21.91	PASS
Band12	5MHz	QPSK	23035	12RB#6	22.90	PASS
Band12	5MHz	16QAM	23035	12RB#6	21.92	PASS
Band12	5MHz	QPSK	23035	12RB#13	22.75	PASS
Band12	5MHz	16QAM	23035	12RB#13	21.86	PASS
Band12	5MHz	16QAM	23035	25RB#0	22.04	PASS
Band12	5MHz	QPSK	23095	1RB#0	23.57	PASS
Band12	5MHz	16QAM	23095	1RB#0	23.01	PASS
Band12	5MHz	QPSK	23095	1RB#12	23.57	PASS
Band12	5MHz	16QAM	23095	1RB#12	22.99	PASS
Band12	5MHz	QPSK	23095	1RB#24	23.59	PASS
Band12	5MHz	16QAM	23095	1RB#24	23.07	PASS
Band12	5MHz	QPSK	23095	12RB#0	22.64	PASS
Band12	5MHz	16QAM	23095	12RB#0	21.94	PASS
Band12	5MHz	QPSK	23095	12RB#6	22.81	PASS
Band12	5MHz	16QAM	23095	12RB#6	21.98	PASS
Band12	5MHz	QPSK	23095	12RB#13	22.78	PASS
Band12	5MHz	16QAM	23095	12RB#13	21.83	PASS
Band12	5MHz	QPSK	23095	25RB#0	22.69	PASS
Band12	5MHz	16QAM	23095	25RB#0	21.71	PASS
Band12	5MHz	QPSK	23155	1RB#0	23.51	PASS
Band12	5MHz	16QAM	23155	1RB#0	22.42	PASS
Band12	5MHz	QPSK	23155	1RB#12	23.52	PASS
Band12	5MHz	16QAM	23155	1RB#12	22.53	PASS
Band12	5MHz	QPSK	23155	1RB#24	23.49	PASS
Band12	5MHz	16QAM	23155	1RB#24	22.50	PASS
Band12	5MHz	QPSK	23155	12RB#0	22.63	PASS



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Band12	5MHz	16QAM	23155	12RB#0	21.86	PASS
Band12	5MHz	QPSK	23155	12RB#6	22.64	PASS
Band12	5MHz	16QAM	23155	12RB#6	21.86	PASS
Band12	5MHz	QPSK	23155	12RB#13	22.81	PASS
Band12	5MHz	16QAM	23155	12RB#13	21.89	PASS
Band12	5MHz	QPSK	23155	25RB#0	22.67	PASS
Band12	5MHz	16QAM	23155	25RB#0	21.90	PASS
Band12	10MHz	QPSK	23060	1RB#0	23.64	PASS
Band12	10MHz	16QAM	23060	1RB#0	22.54	PASS
Band12	10MHz	16QAM	23060	1RB#24	22.45	PASS
Band12	10MHz	QPSK	23060	1RB#49	23.33	PASS
Band12	10MHz	16QAM	23060	1RB#49	22.48	PASS
Band12	10MHz	QPSK	23060	25RB#0	22.85	PASS
Band12	10MHz	16QAM	23060	25RB#0	21.88	PASS
Band12	10MHz	16QAM	23060	25RB#12	21.84	PASS
Band12	10MHz	QPSK	23060	25RB#25	22.78	PASS
Band12	10MHz	16QAM	23060	25RB#25	21.78	PASS
Band12	10MHz	QPSK	23060	50RB#0	22.80	PASS
Band12	10MHz	16QAM	23060	50RB#0	21.97	PASS
Band12	10MHz	QPSK	23095	1RB#0	23.88	PASS
Band12	10MHz	16QAM	23095	1RB#0	22.74	PASS
Band12	10MHz	QPSK	23095	1RB#24	23.85	PASS
Band12	10MHz	16QAM	23095	1RB#24	22.75	PASS
Band12	10MHz	16QAM	23095	1RB#49	22.80	PASS
Band12	10MHz	QPSK	23095	25RB#0	22.69	PASS
Band12	10MHz	16QAM	23095	25RB#0	21.98	PASS
Band12	10MHz	QPSK	23095	25RB#12	22.70	PASS
Band12	10MHz	16QAM	23095	25RB#12	21.98	PASS
Band12	10MHz	QPSK	23095	25RB#25	22.72	PASS
Band12	10MHz	16QAM	23095	25RB#25	21.97	PASS
Band12	10MHz	QPSK	23095	50RB#0	22.76	PASS
Band12	10MHz	16QAM	23095	50RB#0	21.99	PASS
Band12	10MHz	QPSK	23130	1RB#0	23.58	PASS
Band12	10MHz	16QAM	23130	1RB#0	23.51	PASS
Band12	10MHz	QPSK	23130	1RB#24	23.48	PASS
Band12	10MHz	QPSK	23130	25RB#25	22.80	PASS
Band12	10MHz	16QAM	23130	25RB#25	21.95	PASS
Band12	10MHz	QPSK	23130	50RB#0	22.64	PASS
Band12	10MHz	16QAM	23130	50RB#0	21.83	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	23.78	PASS



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Band12	1.4MHz	QPSK	23095	1RB#0	23.89	PASS
Band12	1.4MHz	QPSK	23095	3RB#3	23.81	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	22.95	PASS
Band12	5MHz	QPSK	23035	25RB#0	22.93	PASS
Band12	10MHz	QPSK	23060	1RB#24	23.56	PASS
Band12	10MHz	QPSK	23060	25RB#12	22.85	PASS
Band12	10MHz	QPSK	23095	1RB#49	23.67	PASS
Band12	10MHz	16QAM	23130	1RB#24	22.79	PASS
Band12	10MHz	QPSK	23130	1RB#49	23.34	PASS
Band12	10MHz	16QAM	23130	1RB#49	22.87	PASS
Band12	10MHz	QPSK	23130	25RB#0	22.61	PASS
Band12	10MHz	16QAM	23130	25RB#0	21.89	PASS
Band12	10MHz	QPSK	23130	25RB#12	22.62	PASS
Band12	10MHz	16QAM	23130	25RB#12	21.89	PASS





I.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	4.55	13	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	5.55	13	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	5.10	13	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	5.83	13	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	4.49	13	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	5.40	13	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	5.03	13	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	5.76	13	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	4.00	13	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	4.99	13	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	4.76	13	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	5.43	13	PASS
Band12	3MHz	QPSK	23025	1RB#0	4.55	13	PASS
Band12	3MHz	16QAM	23025	1RB#0	5.41	13	PASS
Band12	3MHz	QPSK	23025	15RB#0	5.08	13	PASS
Band12	3MHz	16QAM	23025	15RB#0	5.77	13	PASS
Band12	3MHz	QPSK	23095	1RB#0	4.25	13	PASS
Band12	3MHz	16QAM	23095	1RB#0	5.12	13	PASS
Band12	3MHz	QPSK	23095	15RB#0	5.06	13	PASS
Band12	3MHz	16QAM	23095	15RB#0	5.81	13	PASS
Band12	3MHz	QPSK	23165	1RB#0	4.17	13	PASS
Band12	3MHz	16QAM	23165	1RB#0	5.14	13	PASS
Band12	3MHz	QPSK	23165	15RB#0	4.91	13	PASS
Band12	3MHz	16QAM	23165	15RB#0	5.62	13	PASS
Band12	5MHz	QPSK	23035	1RB#0	4.70	13	PASS
Band12	5MHz	16QAM	23035	1RB#0	5.29	13	PASS
Band12	5MHz	QPSK	23035	25RB#0	5.29	13	PASS
Band12	5MHz	16QAM	23035	25RB#0	5.93	13	PASS
Band12	5MHz	QPSK	23095	1RB#0	4.32	13	PASS
Band12	5MHz	16QAM	23095	1RB#0	5.02	13	PASS
Band12	5MHz	QPSK	23095	25RB#0	5.33	13	PASS
Band12	5MHz	16QAM	23095	25RB#0	5.98	13	PASS
Band12	5MHz	QPSK	23155	1RB#0	4.56	13	PASS
Band12	5MHz	16QAM	23155	1RB#0	5.25	13	PASS



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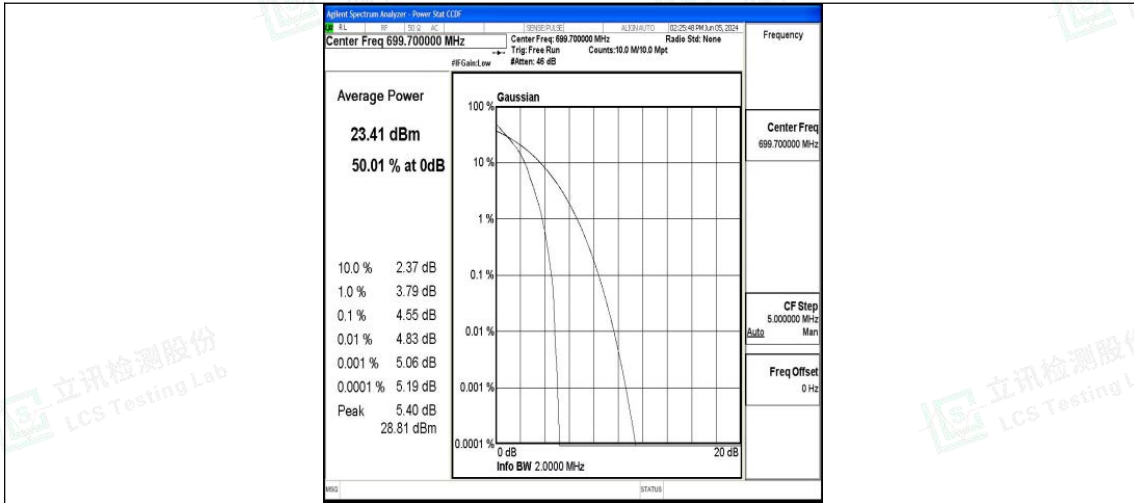


Band12	5MHz	QPSK	23155	25RB#0	5.24	13	PASS
Band12	5MHz	16QAM	23155	25RB#0	5.90	13	PASS
Band12	10MHz	QPSK	23060	1RB#0	4.54	13	PASS
Band12	10MHz	16QAM	23060	1RB#0	5.41	13	PASS
Band12	10MHz	QPSK	23060	50RB#0	5.36	13	PASS
Band12	10MHz	16QAM	23060	50RB#0	5.97	13	PASS
Band12	10MHz	QPSK	23095	1RB#0	4.21	13	PASS
Band12	10MHz	16QAM	23095	1RB#0	5.12	13	PASS
Band12	10MHz	QPSK	23095	50RB#0	5.33	13	PASS
Band12	10MHz	16QAM	23095	50RB#0	6.00	13	PASS
Band12	10MHz	QPSK	23130	1RB#0	4.40	13	PASS
Band12	10MHz	16QAM	23130	1RB#0	5.30	13	PASS
Band12	10MHz	QPSK	23130	50RB#0	5.31	13	PASS
Band12	10MHz	16QAM	23130	50RB#0	5.99	13	PASS

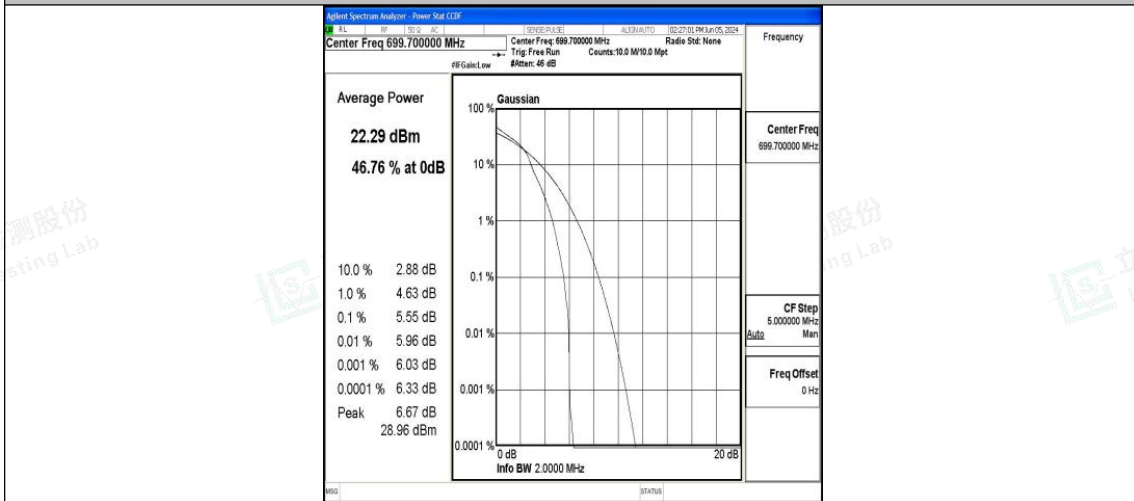




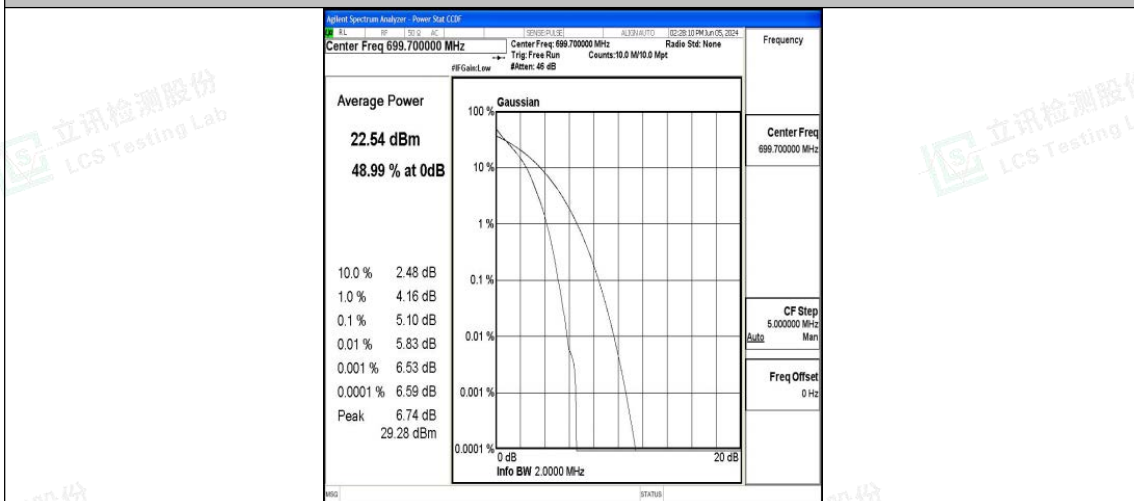
Test Graphs



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

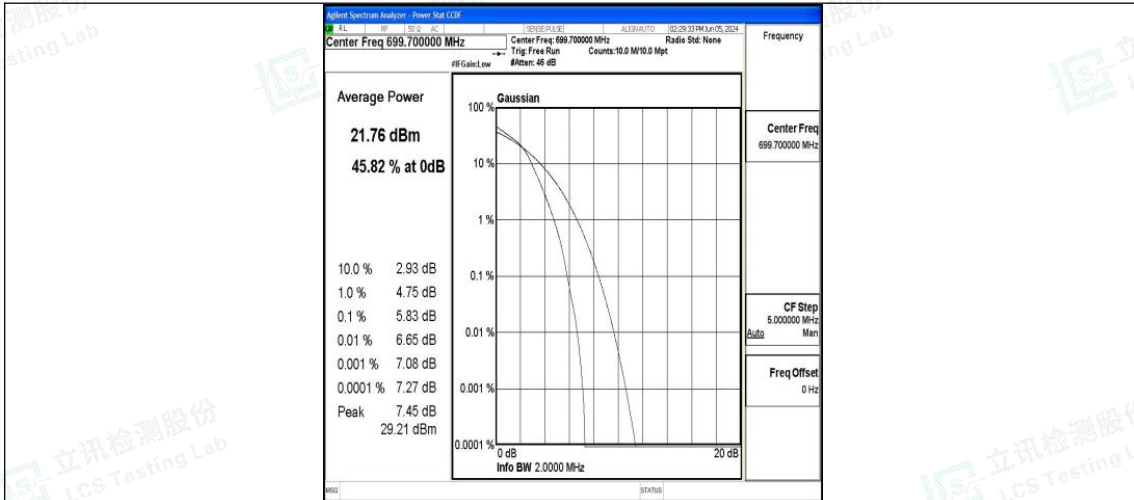


Band12-1.4MHz-16QAM-23017-1RB#0-PASS

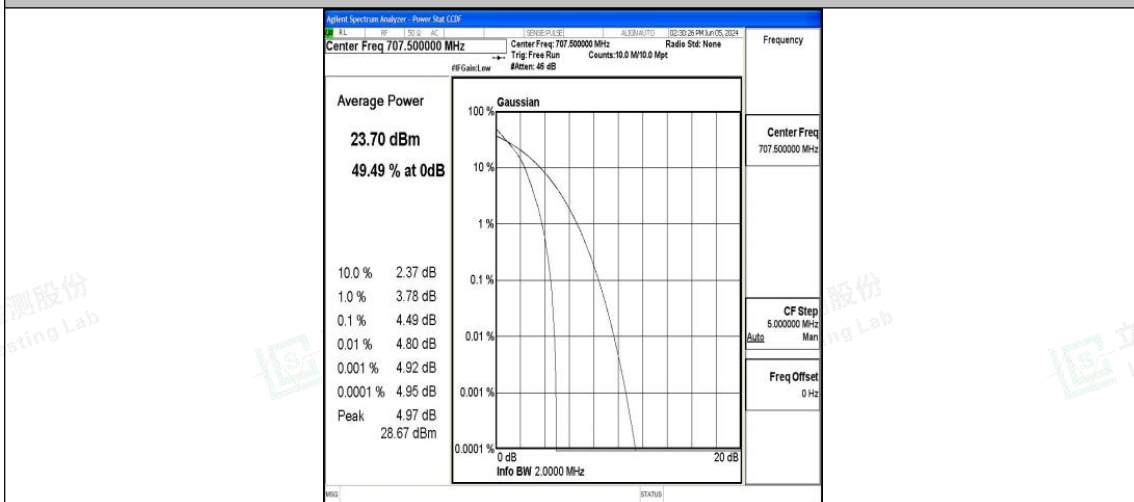


Band12-1.4MHz-QPSK-23017-6RB#0-PASS

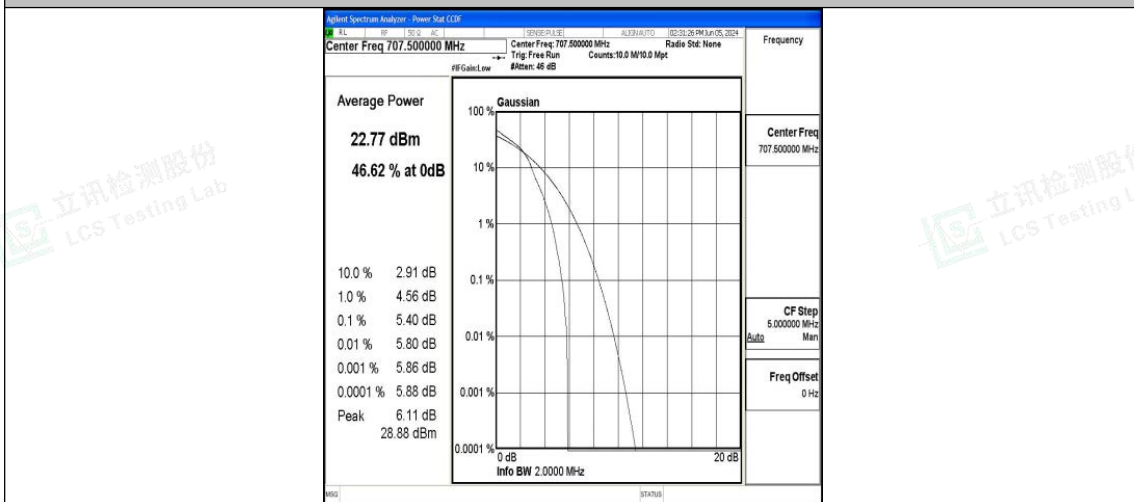




Band12-1.4MHz-16QAM-23017-6RB#0-PASS

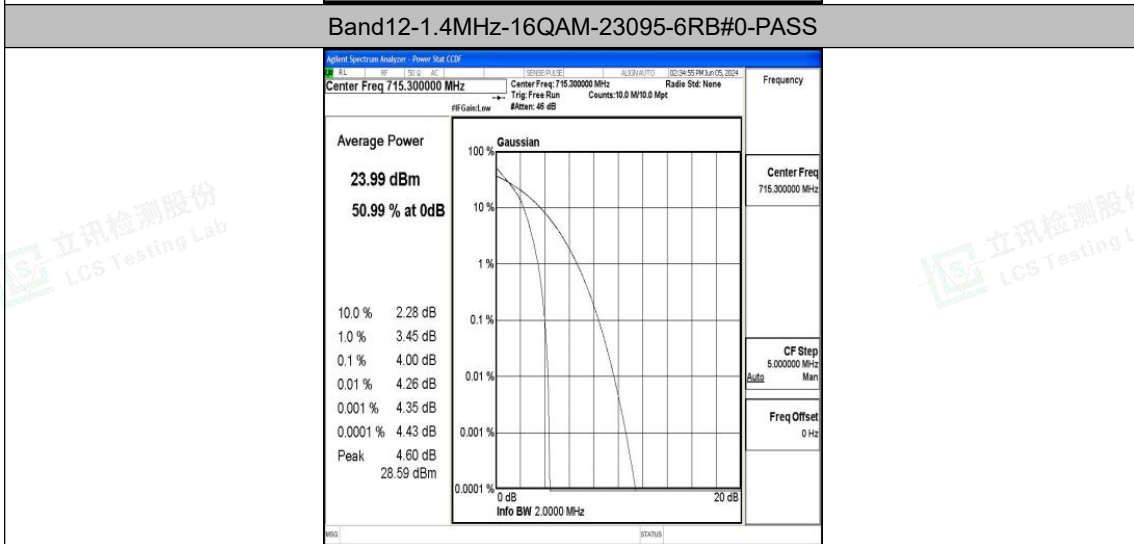
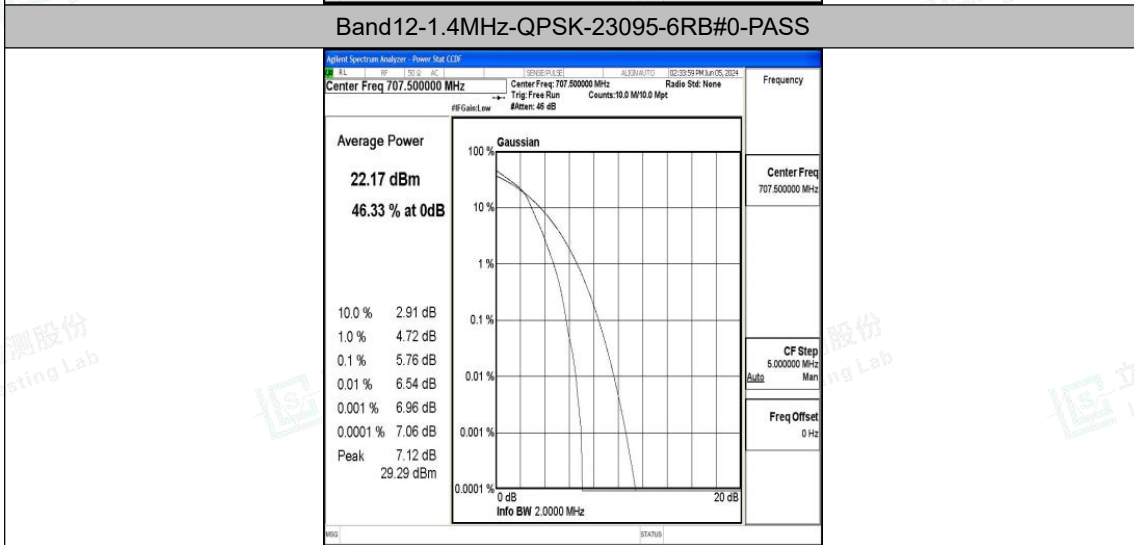
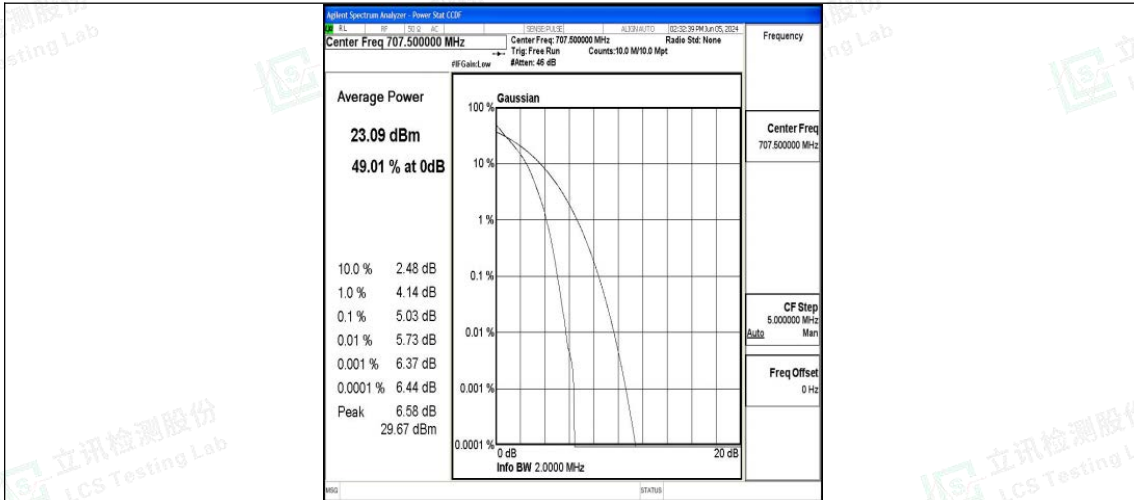


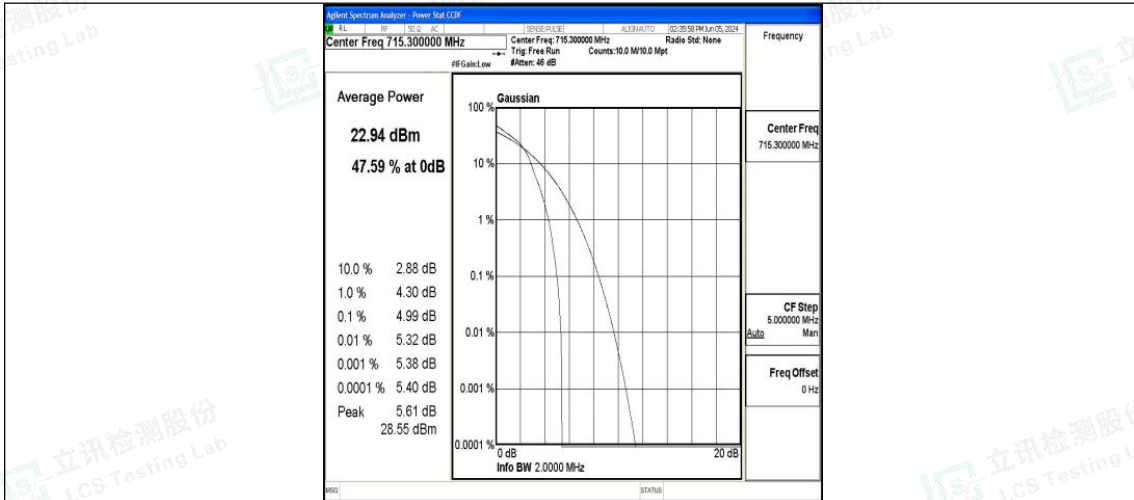
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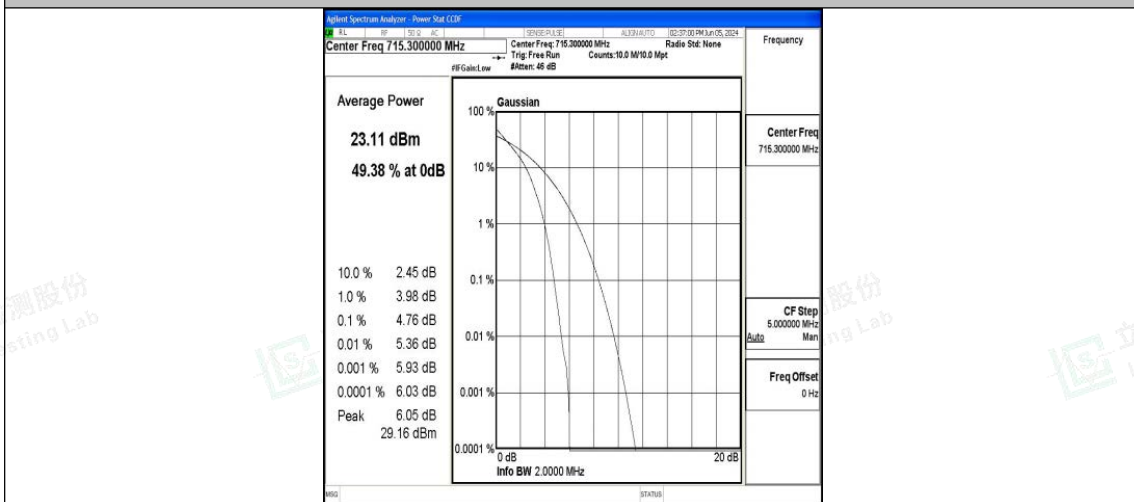
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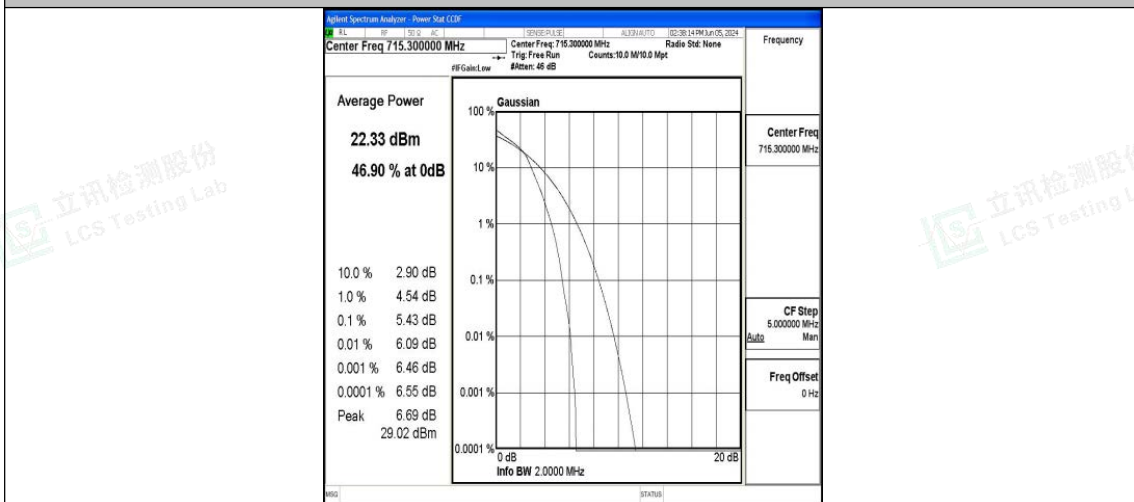




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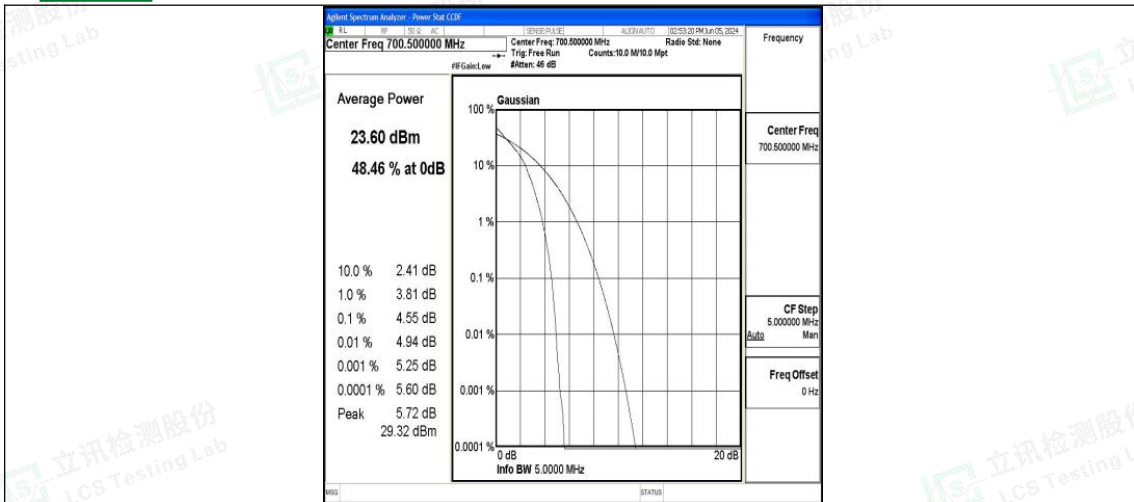


Band12-1.4MHz-QPSK-23173-6RB#0-PASS

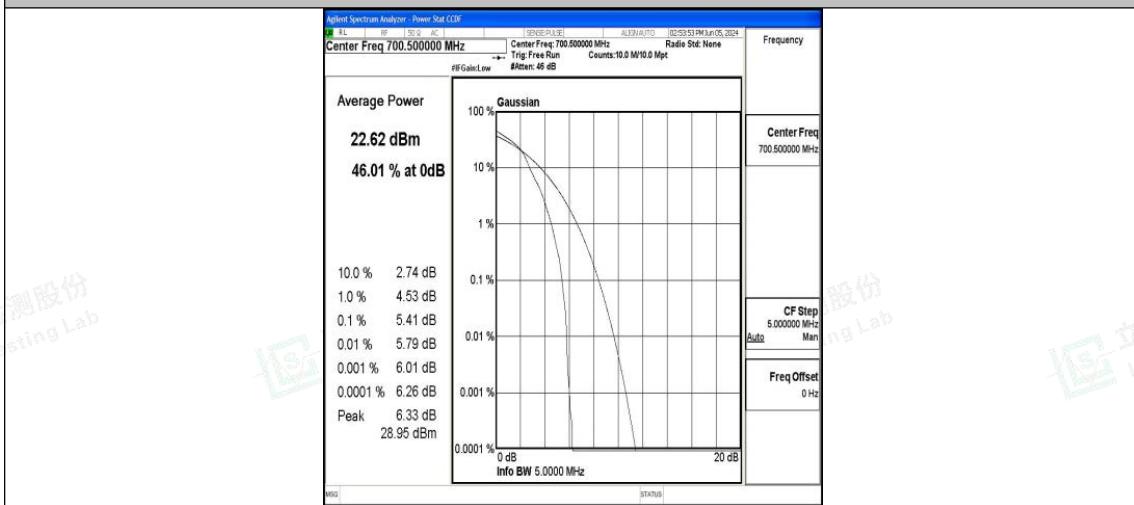


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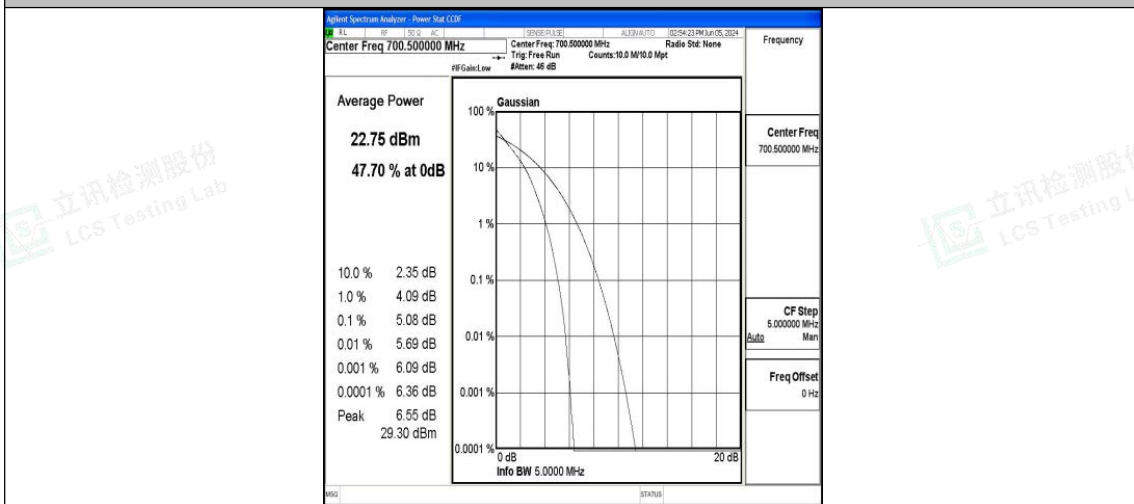




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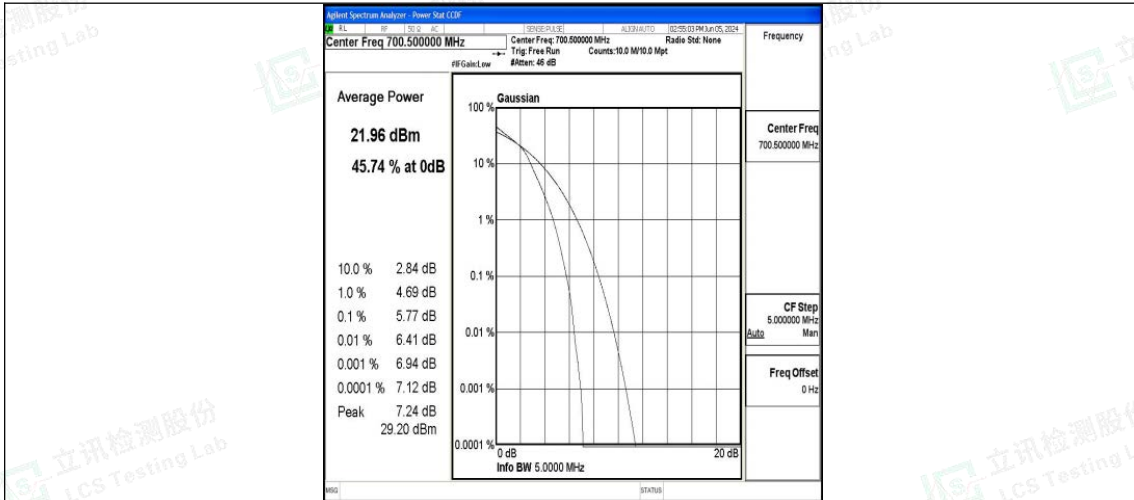


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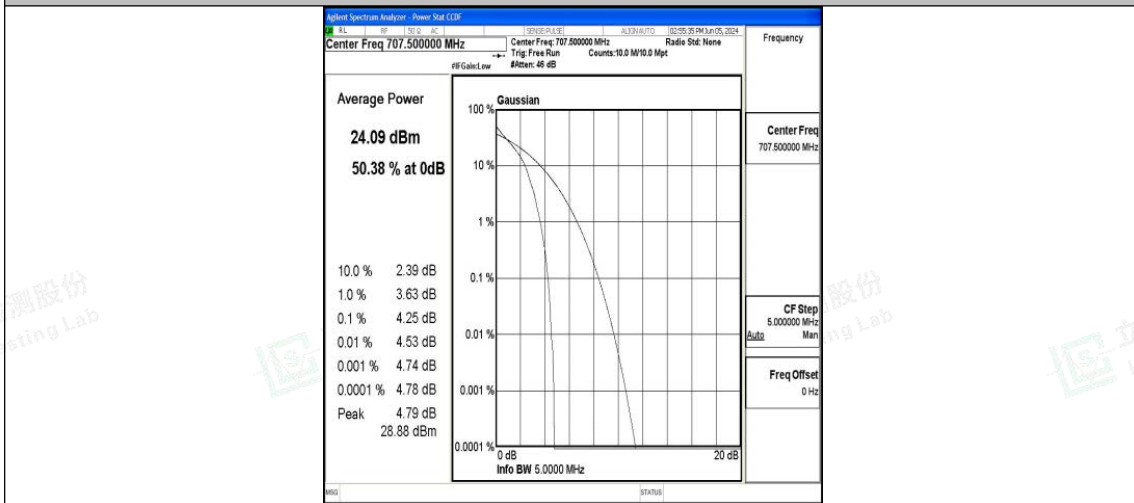


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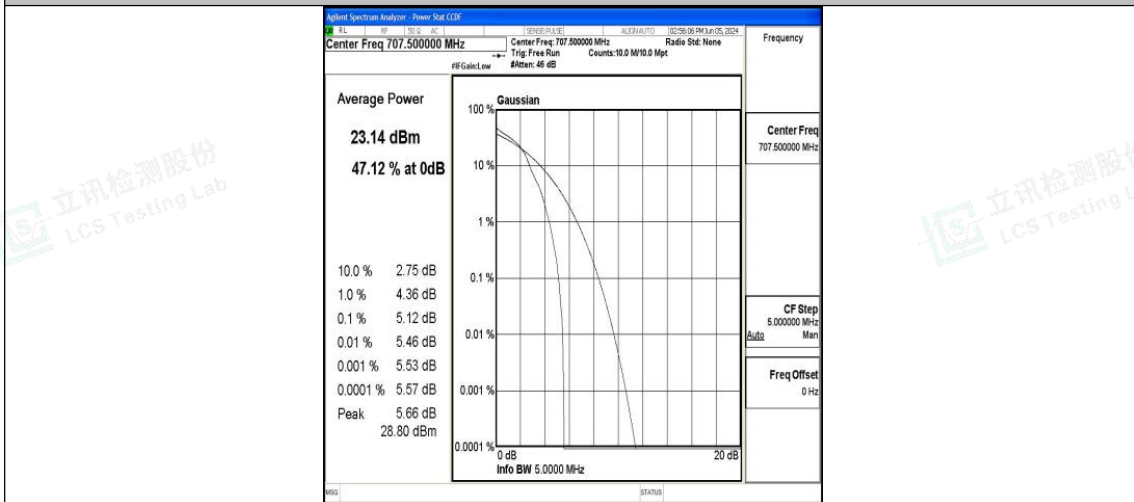




Band12-3MHz-16QAM-23025-15RB#0-PASS

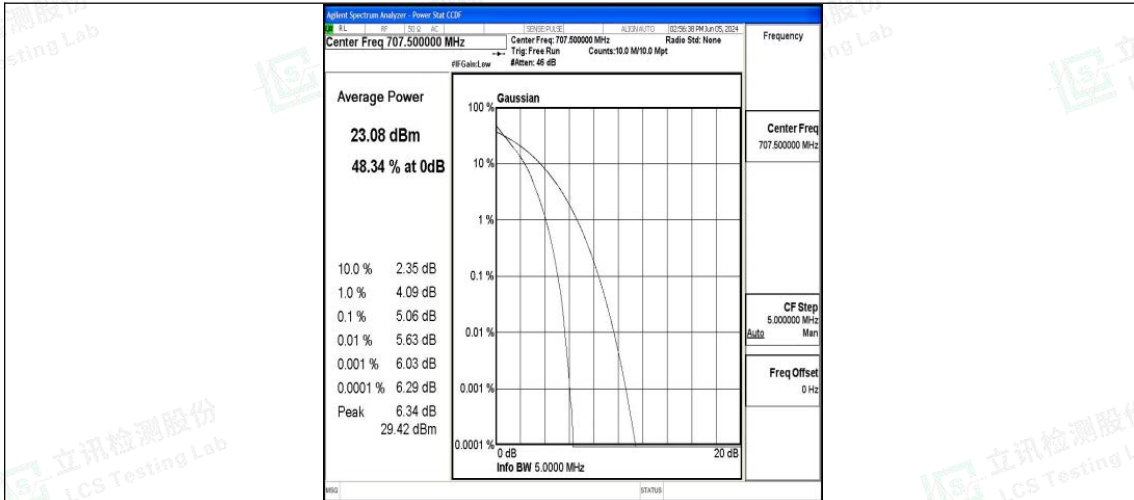


Band12-3MHz-QPSK-23095-1RB#0-PASS

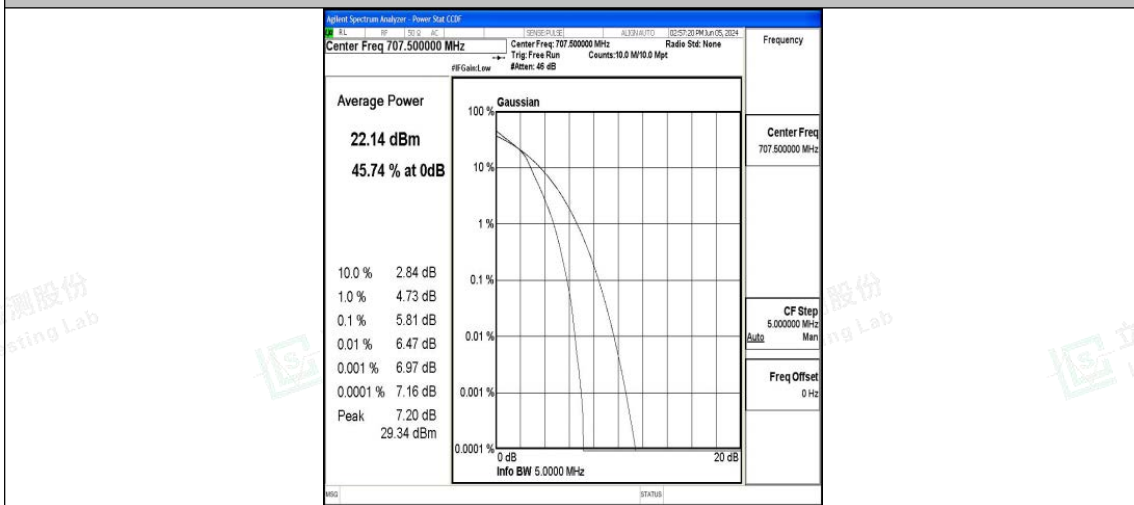


Band12-3MHz-16QAM-23095-1RB#0-PASS

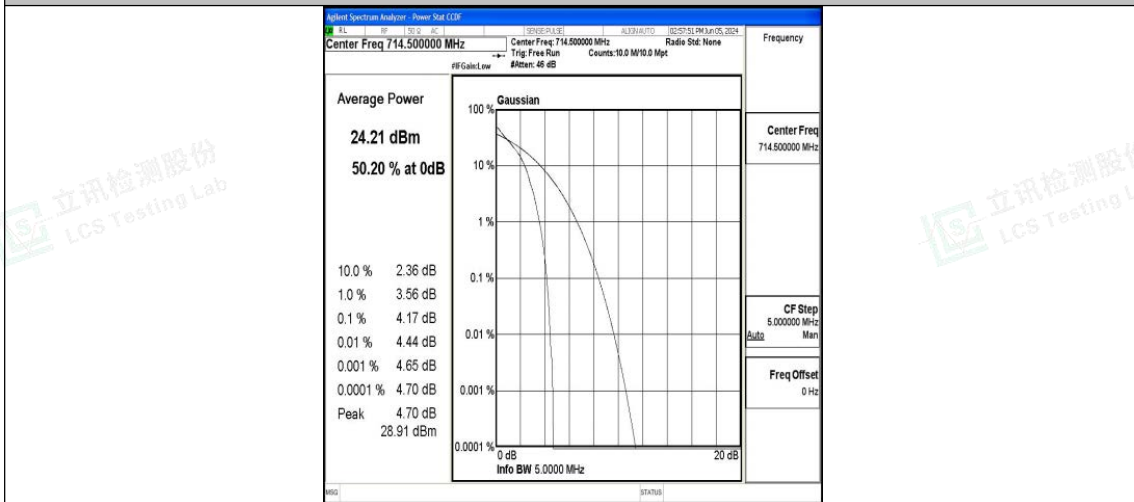




Band12-3MHz-QPSK-23095-15RB#0-PASS

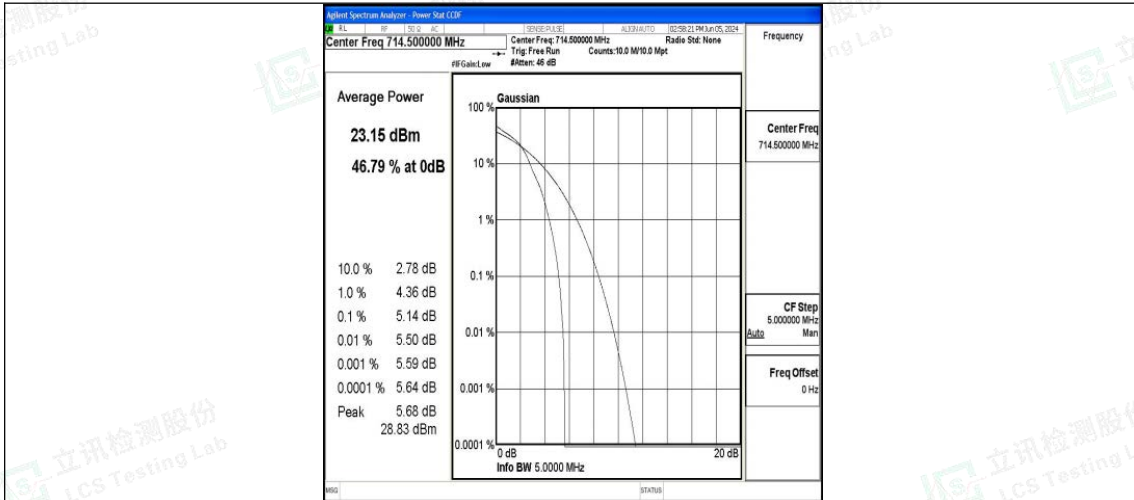


Band12-3MHz-16QAM-23095-15RB#0-PASS

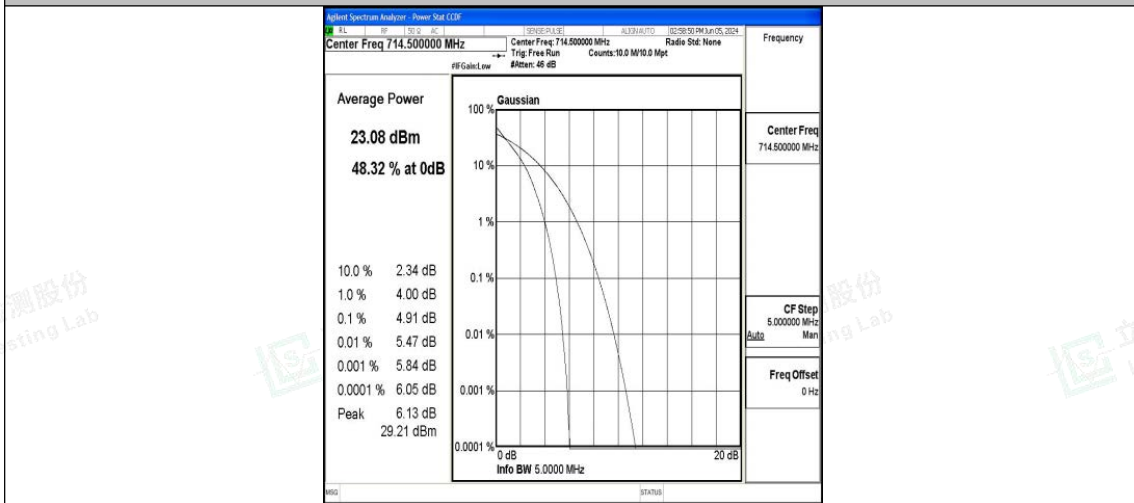


Band12-3MHz-QPSK-23165-1RB#0-PASS

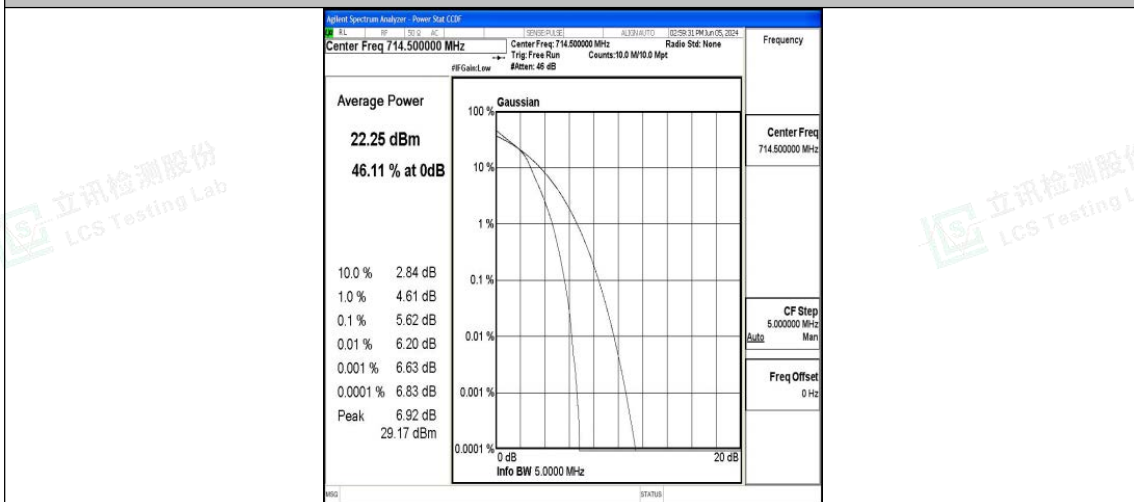




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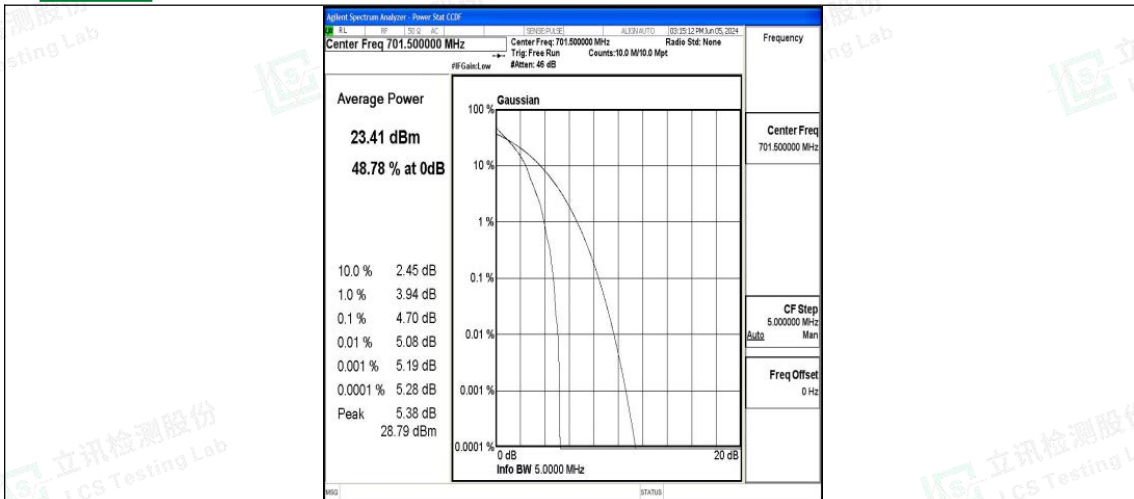


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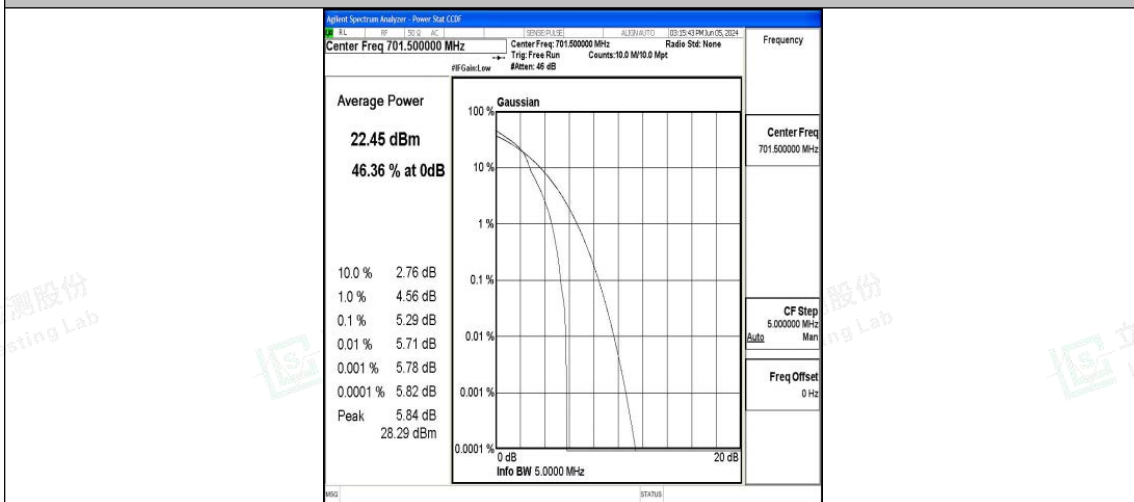


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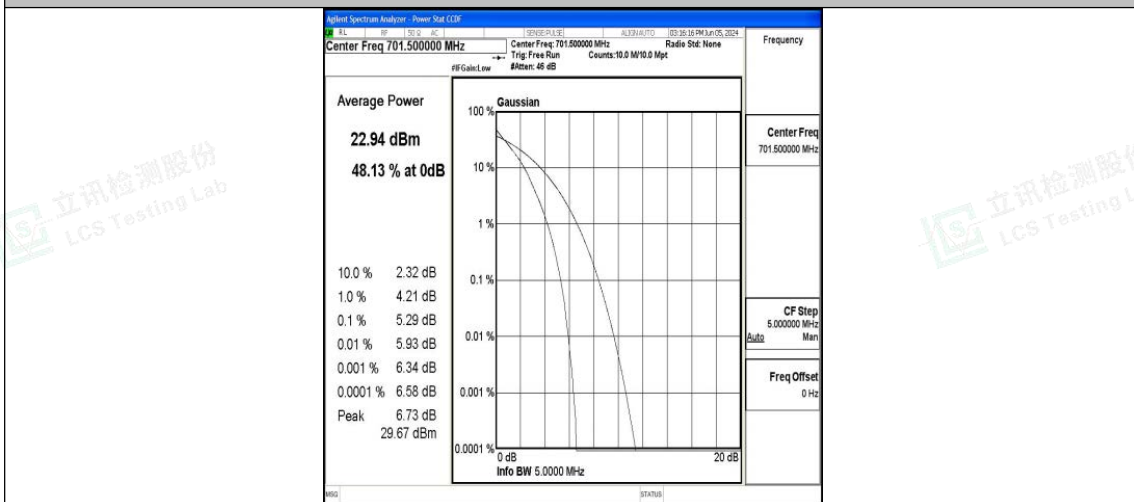




Band12-5MHz-QPSK-23035-1RB#0-PASS

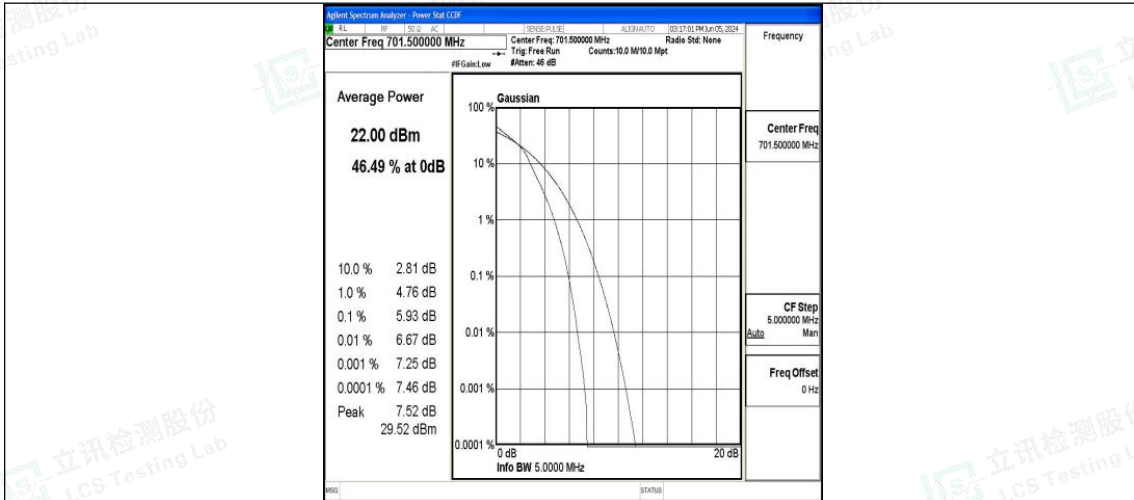


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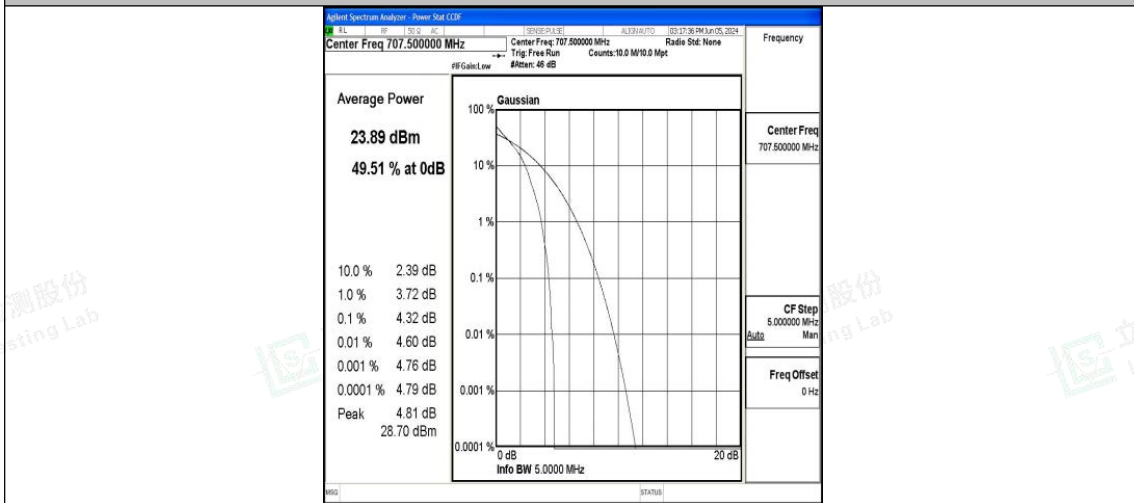


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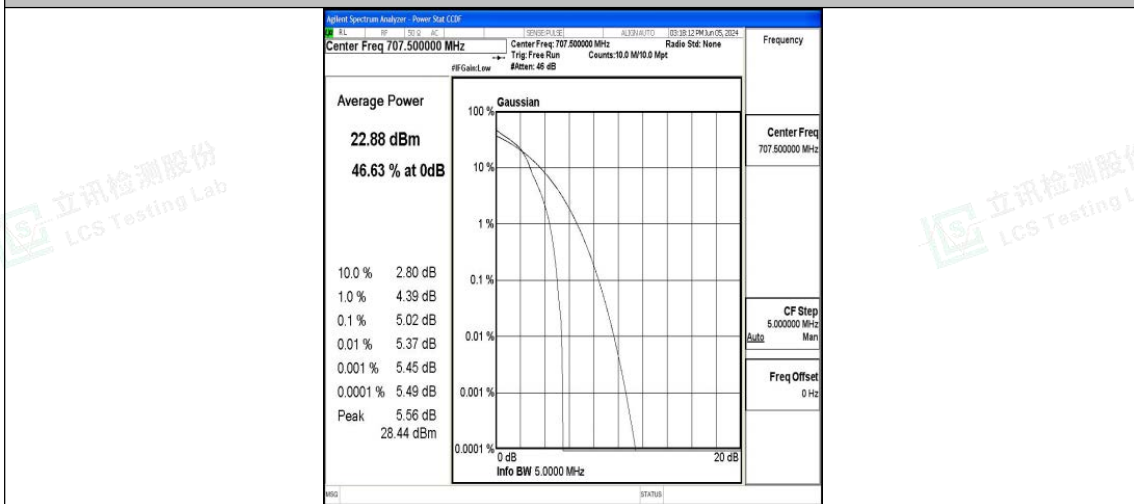




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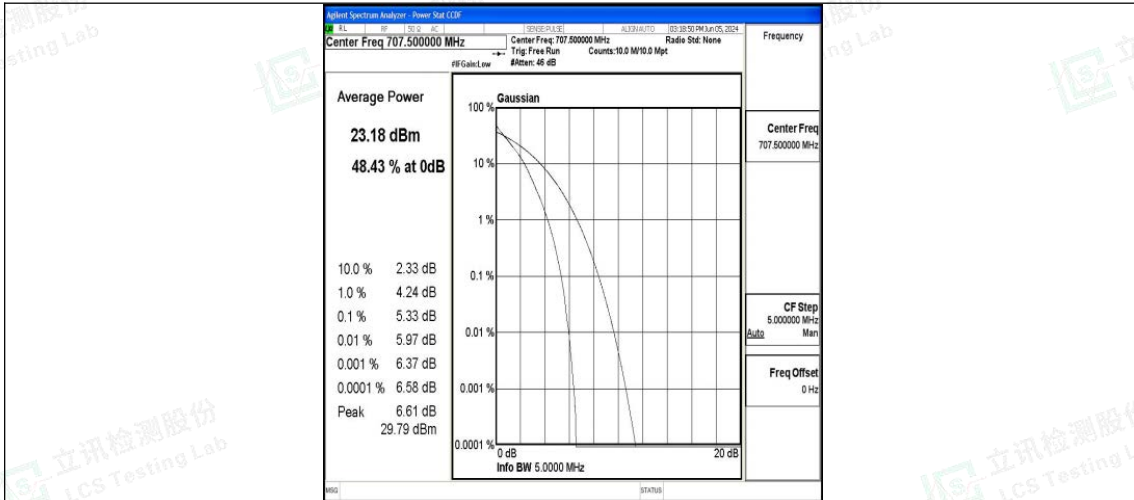


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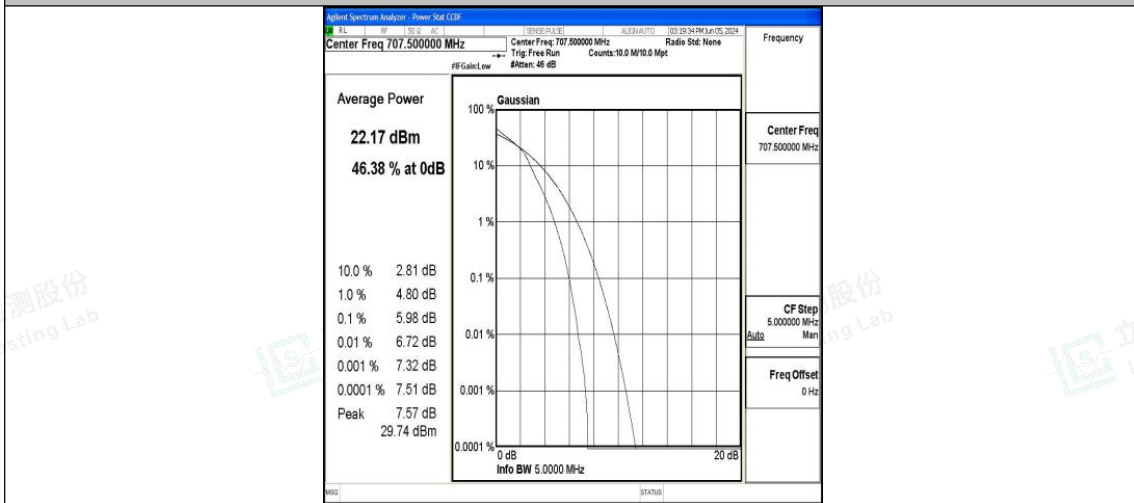


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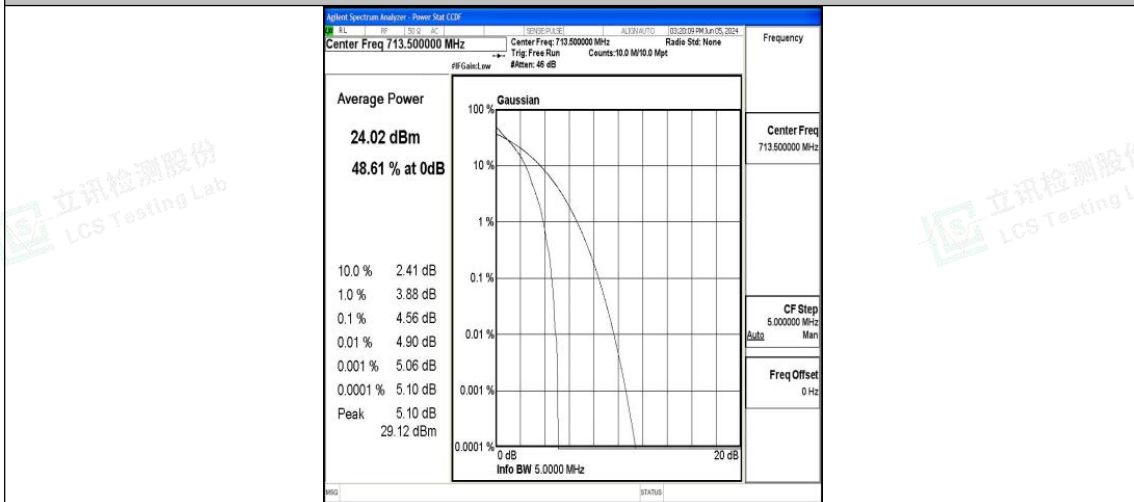




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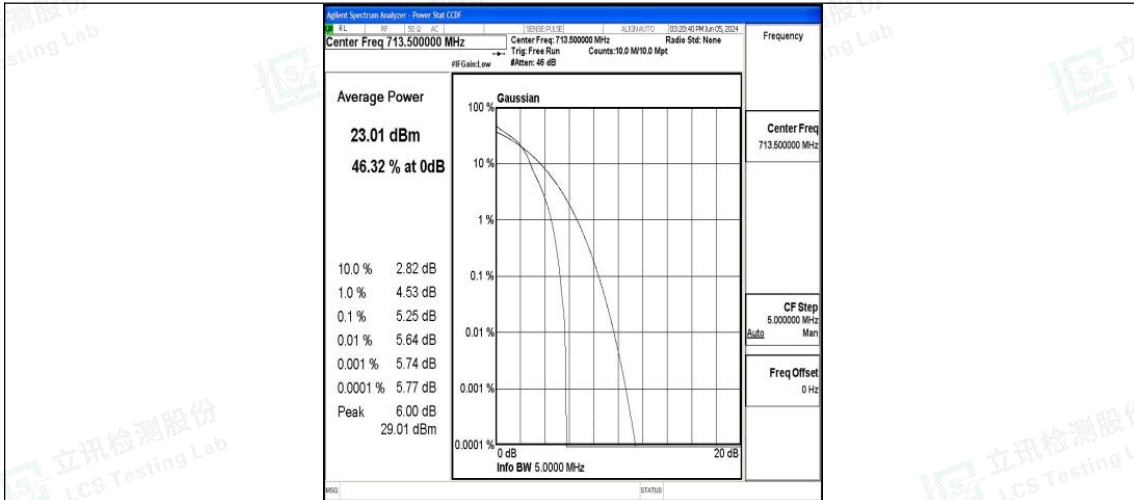


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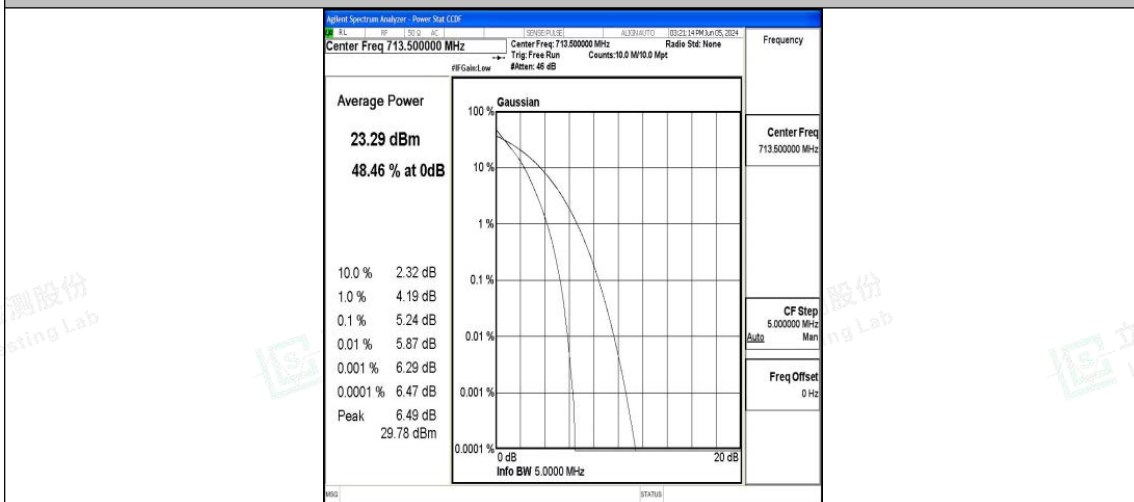


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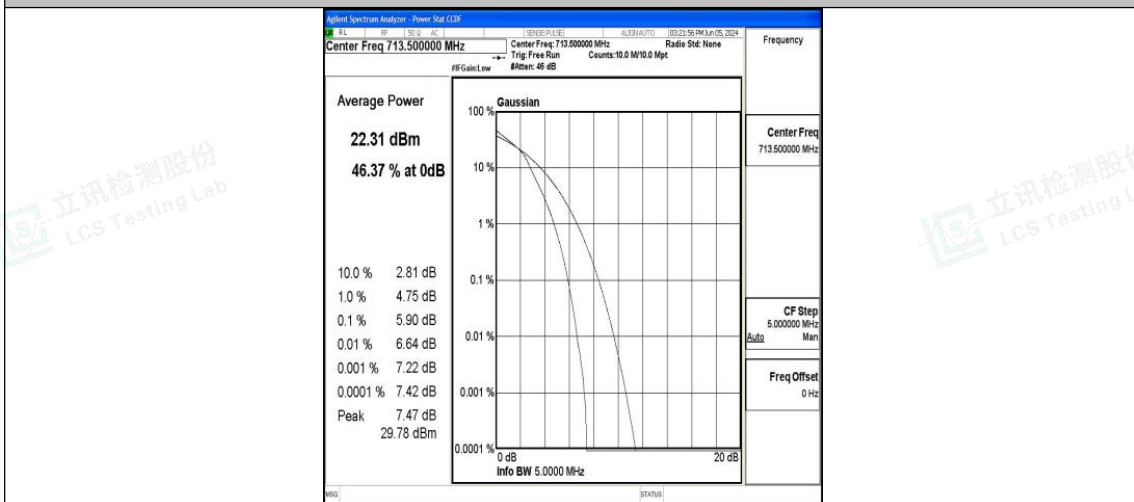




Band12-5MHz-16QAM-23155-1RB#0-PASS

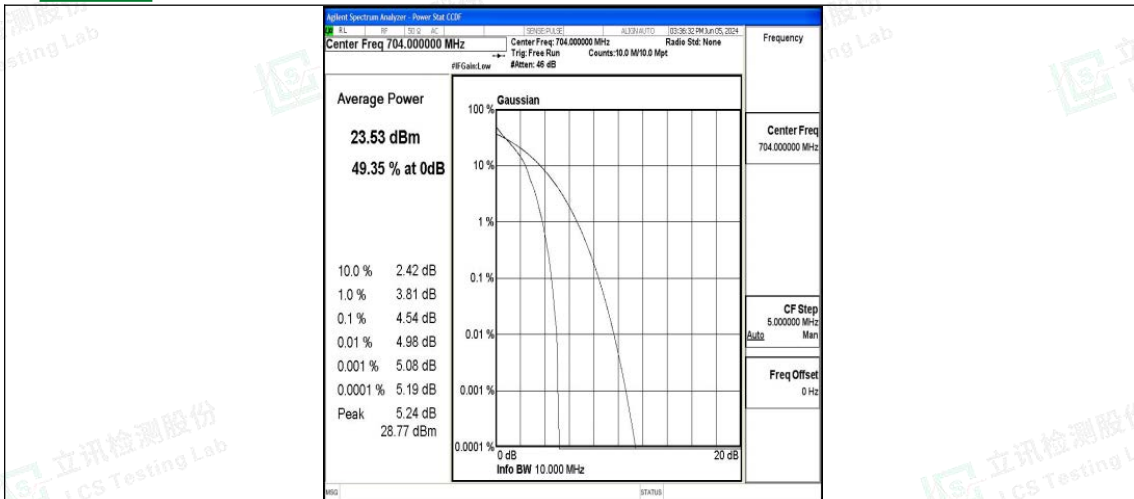


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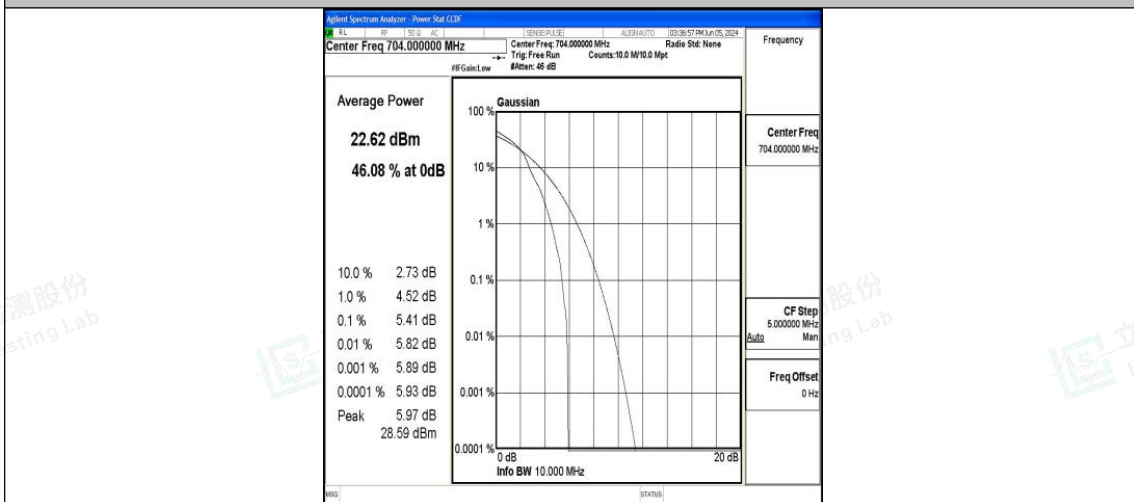


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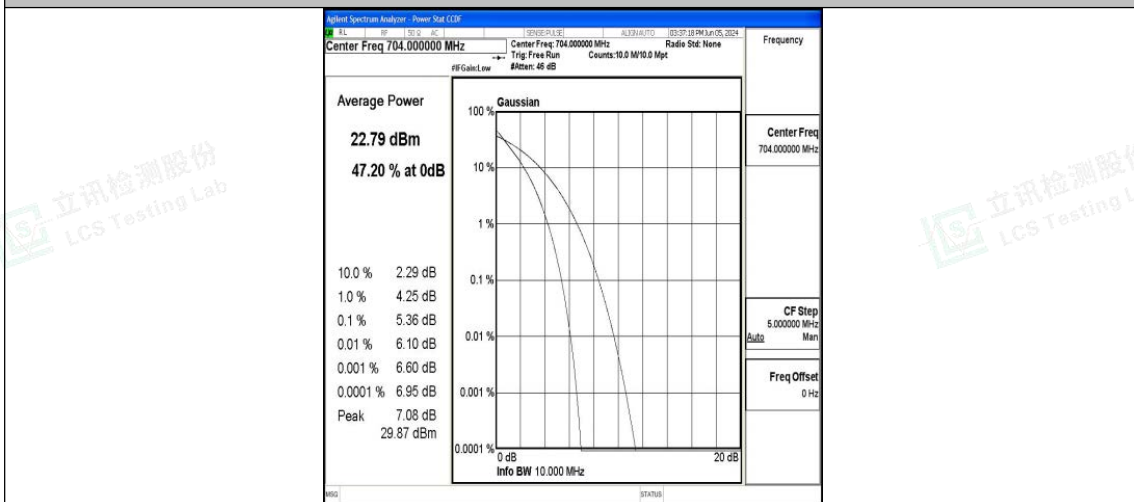




Band12-10MHz-QPSK-23060-1RB#0-PASS

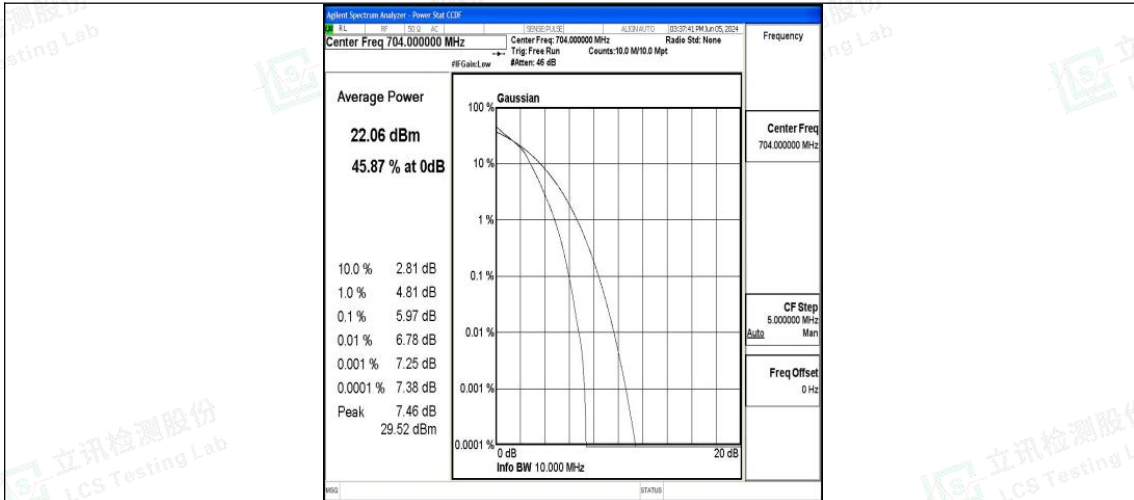


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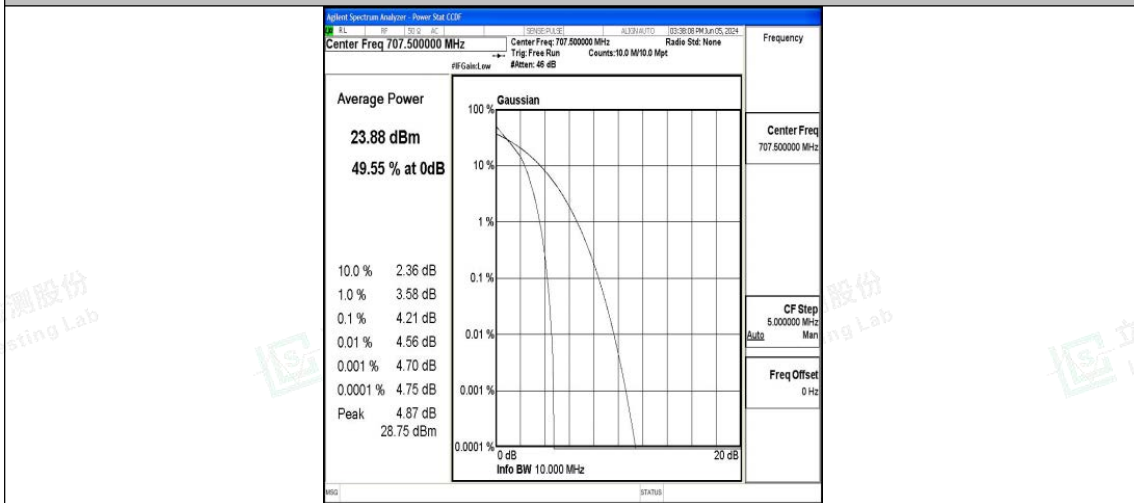


Band12-10MHz-QPSK-23060-50RB#0-PASS

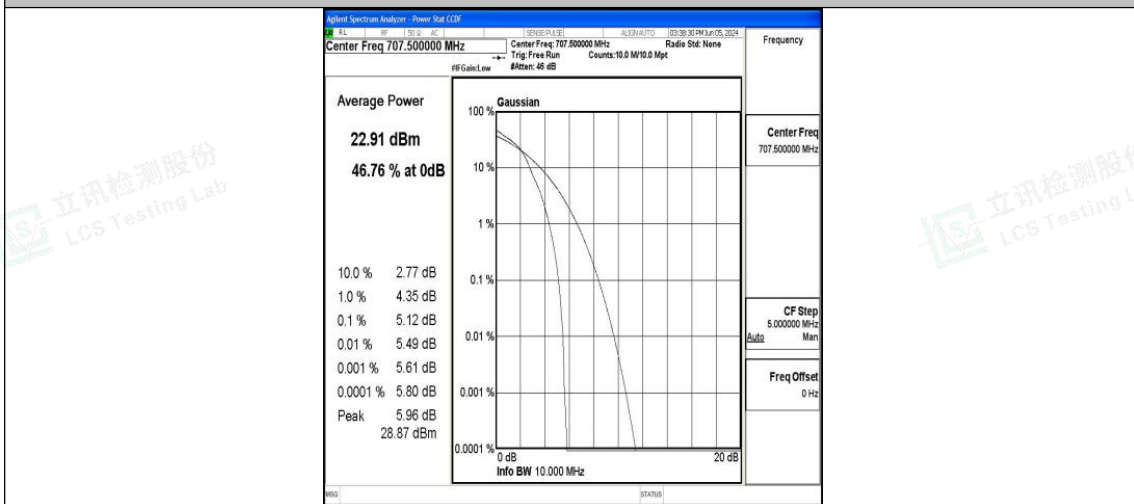




Band12-10MHz-16QAM-23060-50RB#0-PASS

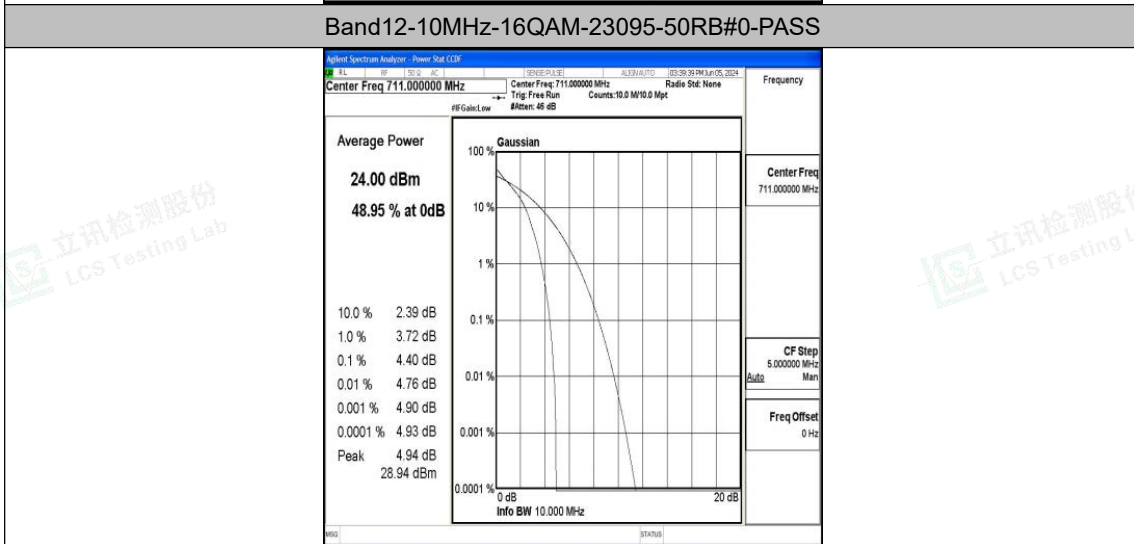
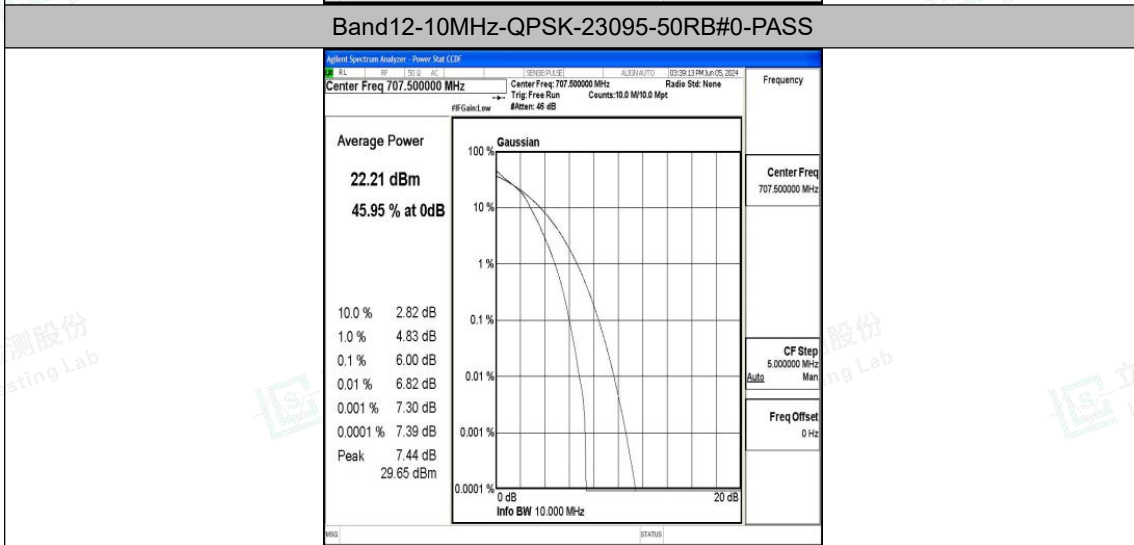
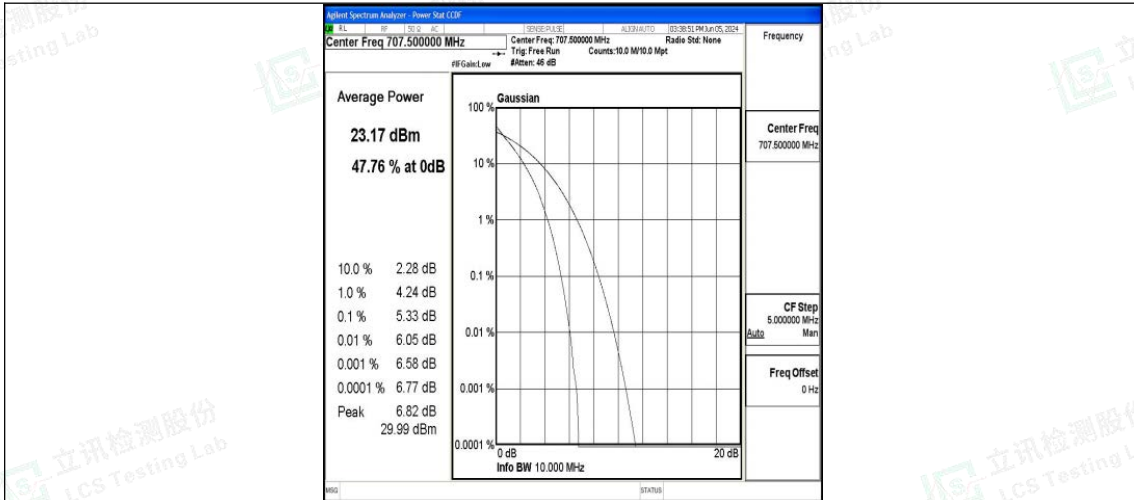


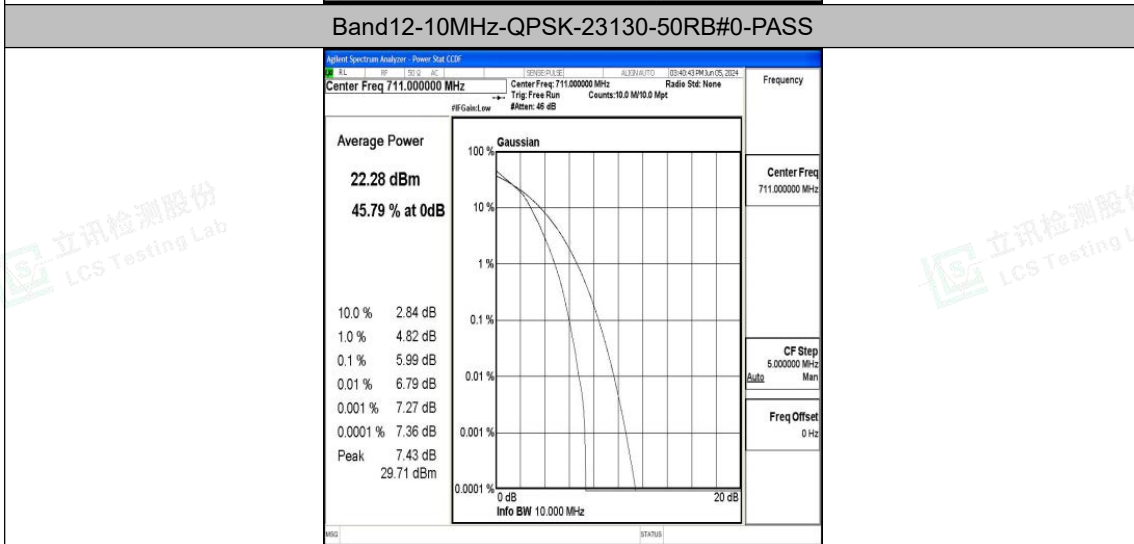
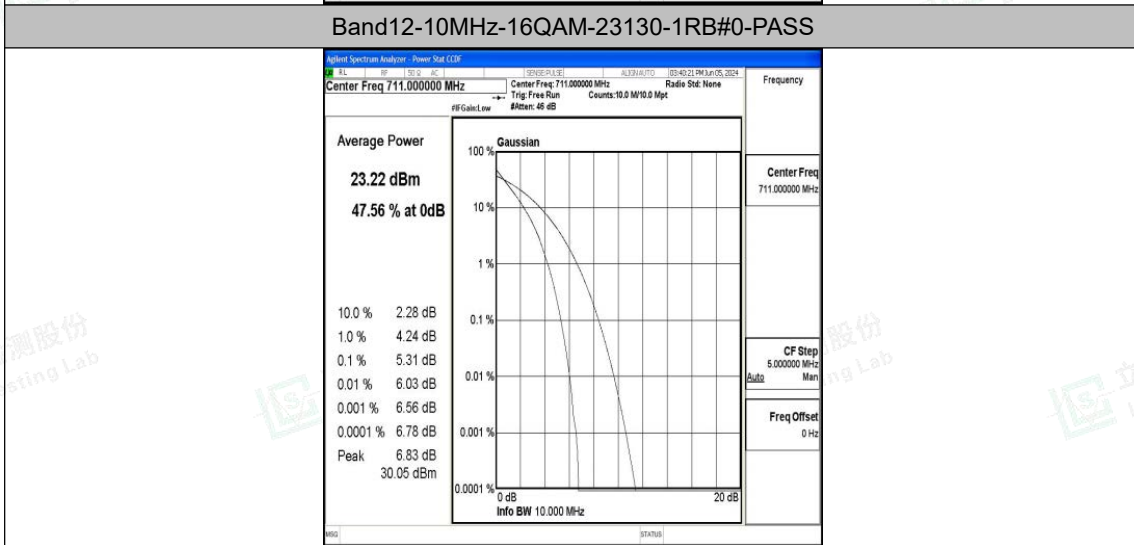
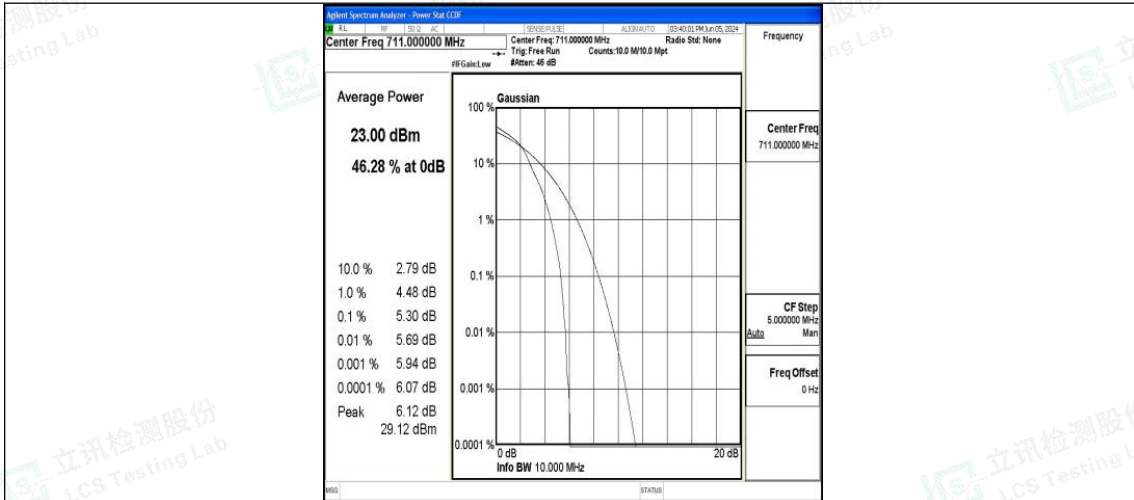
Band12-10MHz-QPSK-23095-1RB#0-PASS



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









I.3 26dB Bandwidth and Occupied Bandwidth

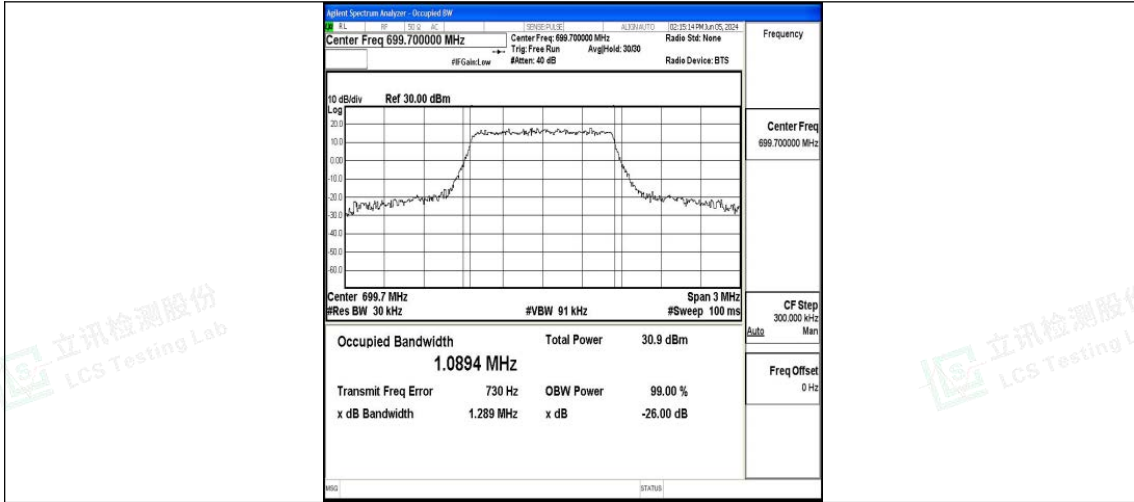
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	1.0894	1.289	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	1.0984	1.286	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	1.0898	1.289	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	1.0942	1.304	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	1.0883	1.273	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	1.0986	1.305	PASS
Band12	3MHz	QPSK	23025	15RB#0	2.6870	2.887	PASS
Band12	3MHz	16QAM	23025	15RB#0	2.6787	2.911	PASS
Band12	3MHz	QPSK	23095	15RB#0	2.6831	2.916	PASS
Band12	3MHz	16QAM	23095	15RB#0	2.6778	2.898	PASS
Band12	3MHz	QPSK	23165	15RB#0	2.6830	2.908	PASS
Band12	3MHz	16QAM	23165	15RB#0	2.6834	2.891	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.5181	5.154	PASS
Band12	5MHz	16QAM	23035	25RB#0	4.5084	5.150	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.5231	5.193	PASS
Band12	5MHz	16QAM	23095	25RB#0	4.5123	5.126	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.5160	5.206	PASS
Band12	5MHz	16QAM	23155	25RB#0	4.5142	5.168	PASS
Band12	10MHz	QPSK	23060	50RB#0	8.9927	10.13	PASS
Band12	10MHz	16QAM	23060	50RB#0	8.9925	10.01	PASS
Band12	10MHz	QPSK	23095	50RB#0	9.0244	10.17	PASS
Band12	10MHz	16QAM	23095	50RB#0	9.0134	10.02	PASS
Band12	10MHz	QPSK	23130	50RB#0	9.0194	10.18	PASS
Band12	10MHz	16QAM	23130	50RB#0	9.0015	10.06	PASS

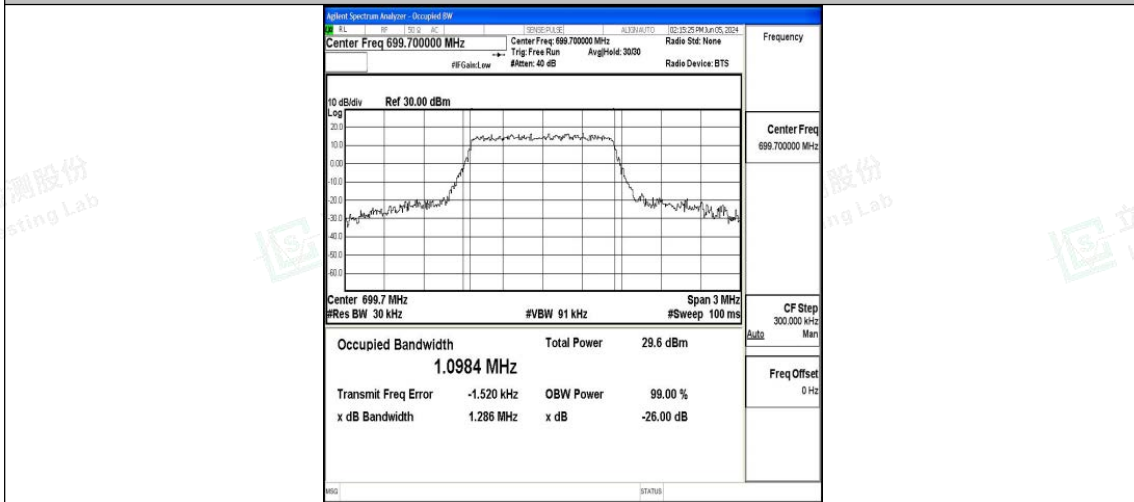




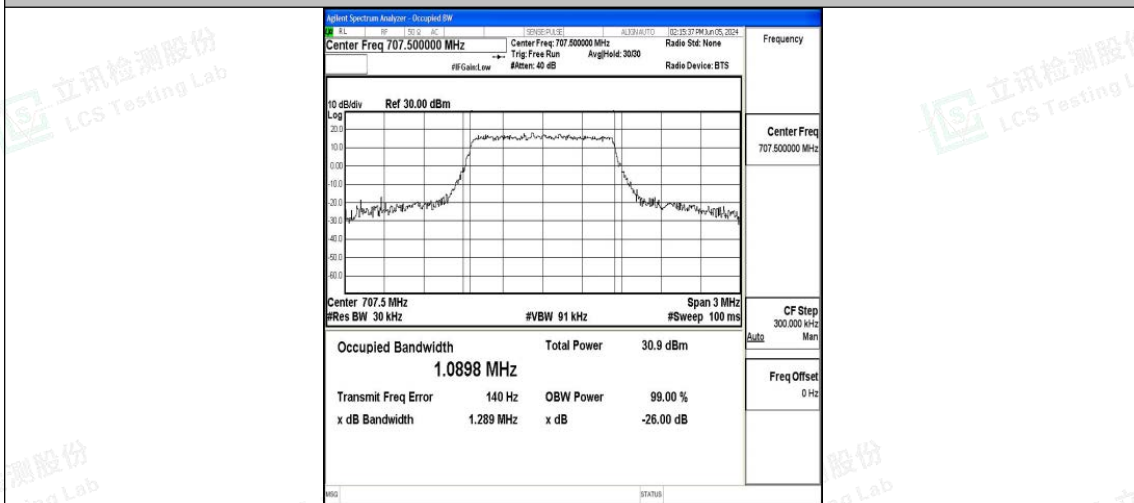
Test Graphs



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

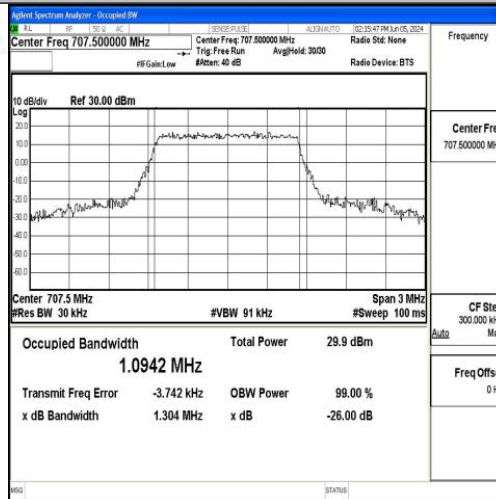


Band12-1.4MHz-16QAM-23017-6RB#0-PASS

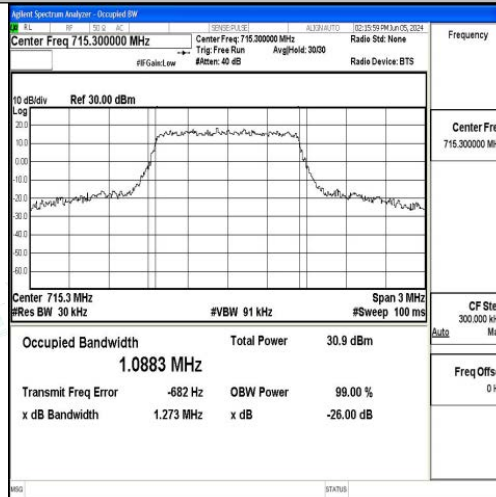




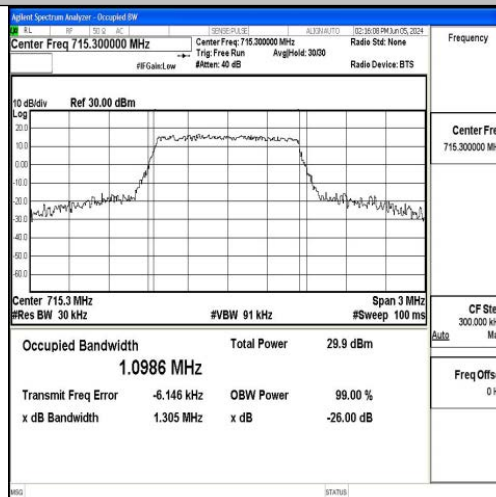
Band12-1.4MHz-QPSK-23095-6RB#0-PASS



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

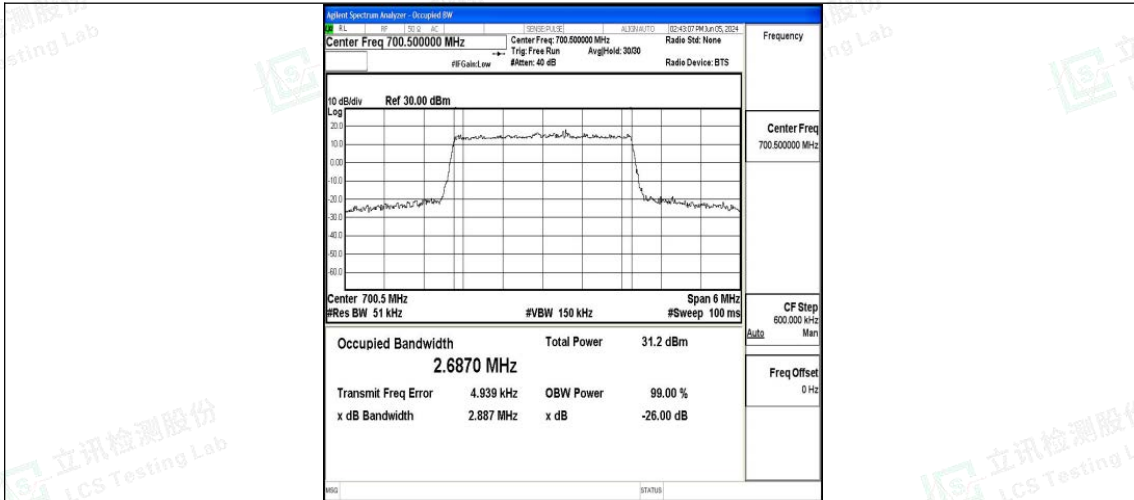


Band12-1.4MHz-QPSK-23173-6RB#0-PASS

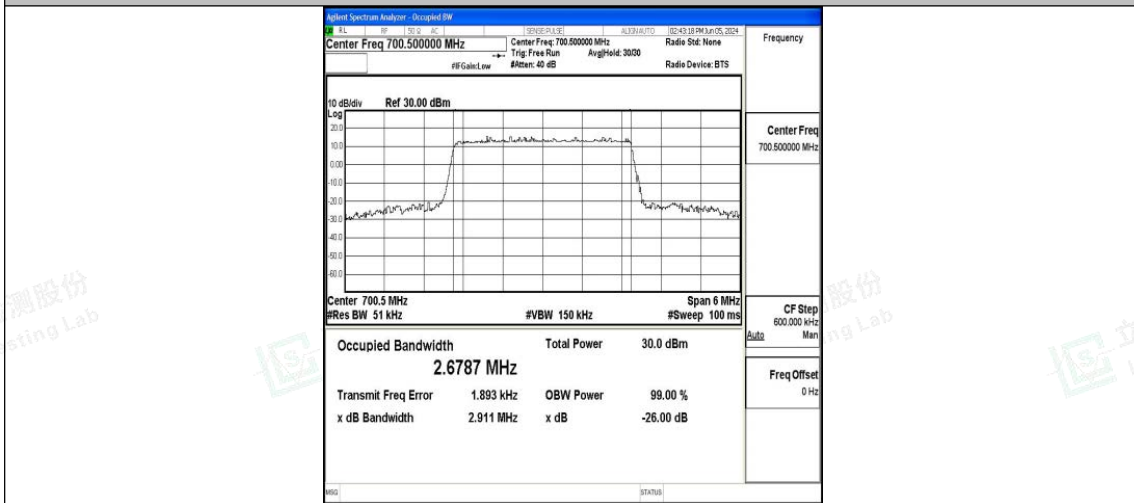


Band12-1.4MHz-16QAM-23173-6RB#0-PASS

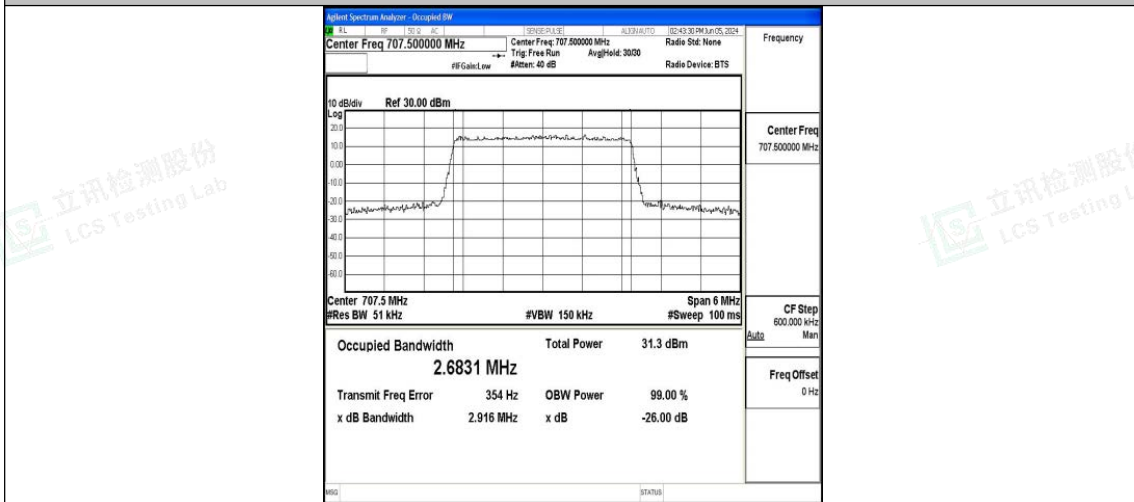




Band12-3MHz-QPSK-23025-15RB#0-PASS

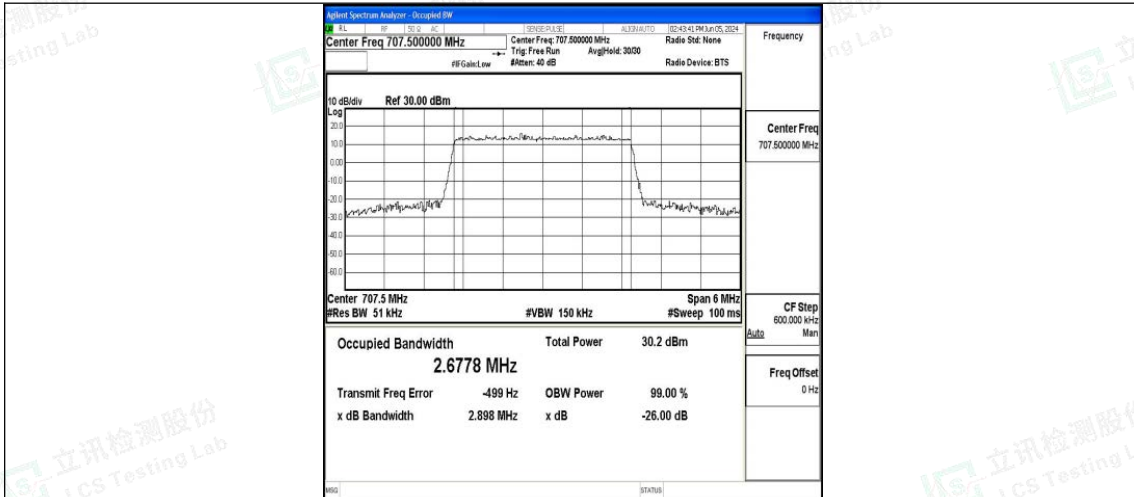


Band12-3MHz-16QAM-23025-15RB#0-PASS

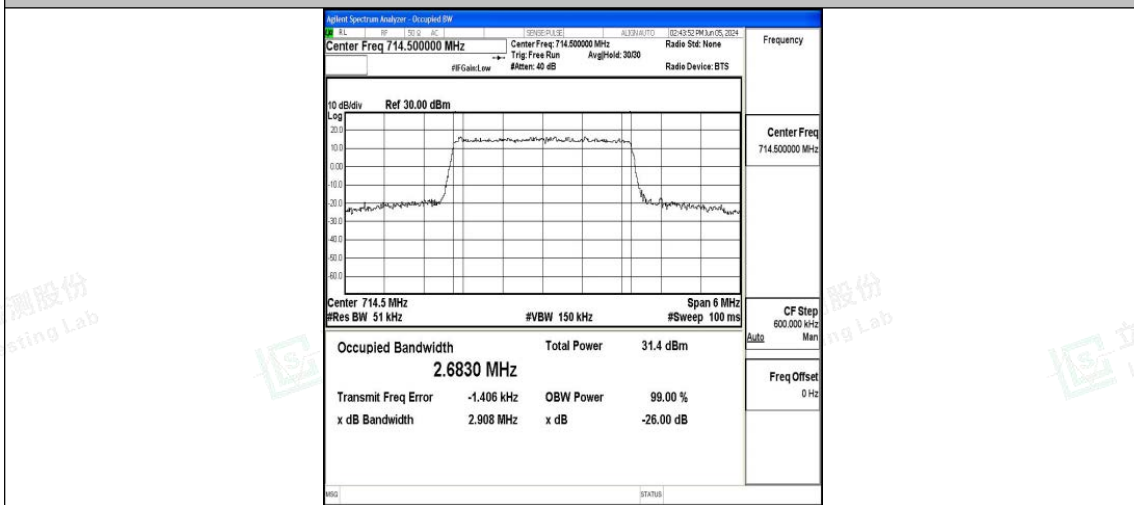


Band12-3MHz-QPSK-23095-15RB#0-PASS

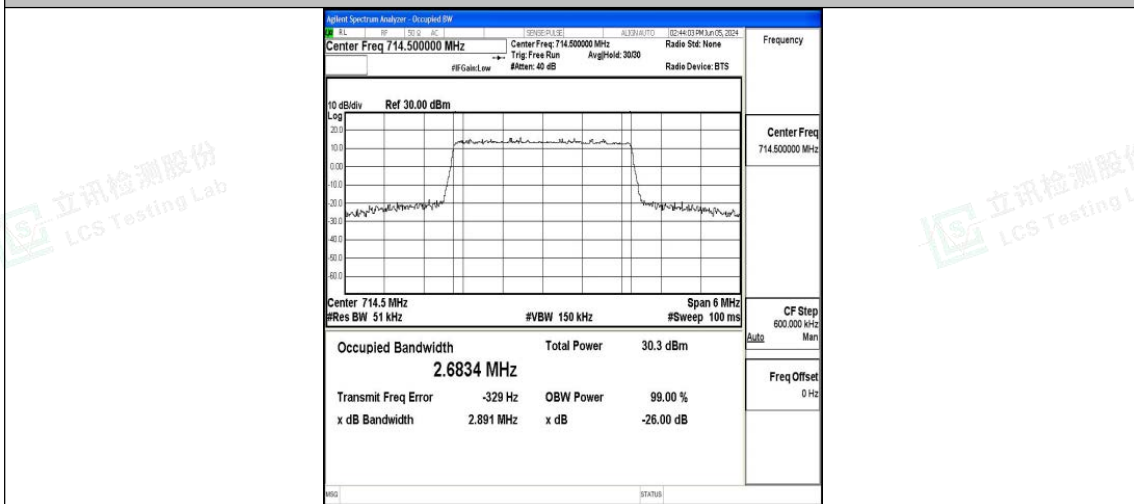




Band12-3MHz-16QAM-23095-15RB#0-PASS

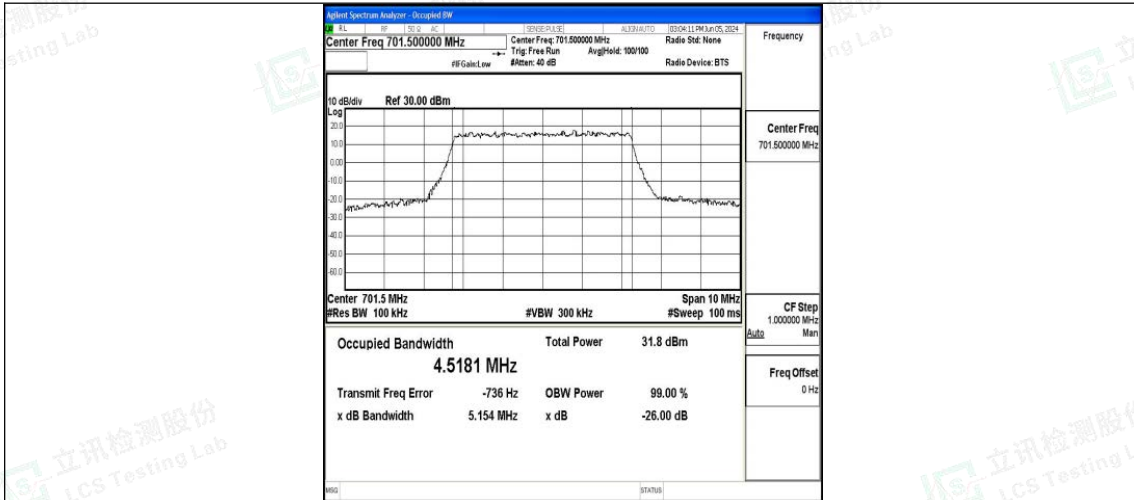


Band12-3MHz-QPSK-23165-15RB#0-PASS

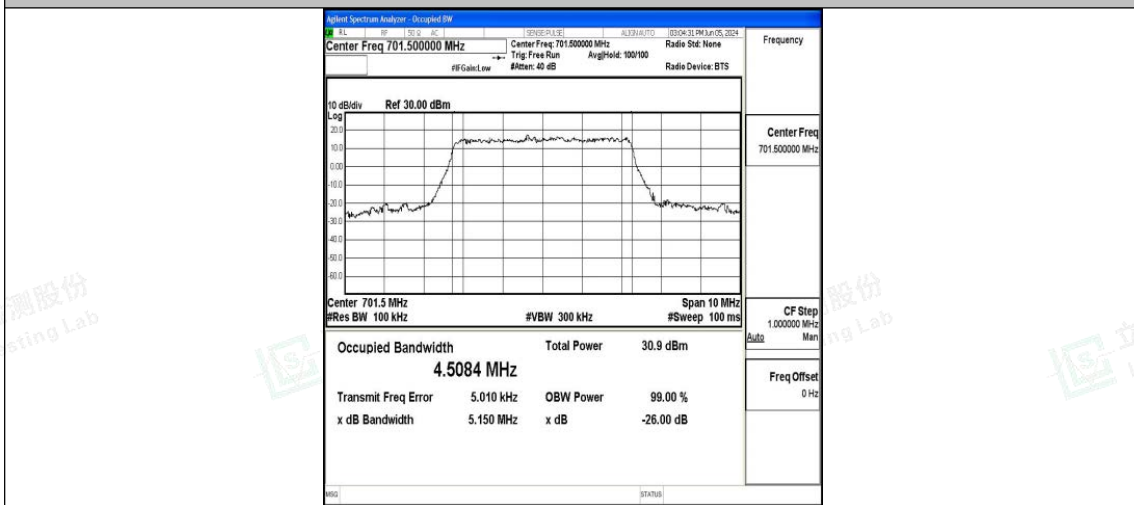


Band12-3MHz-16QAM-23165-15RB#0-PASS

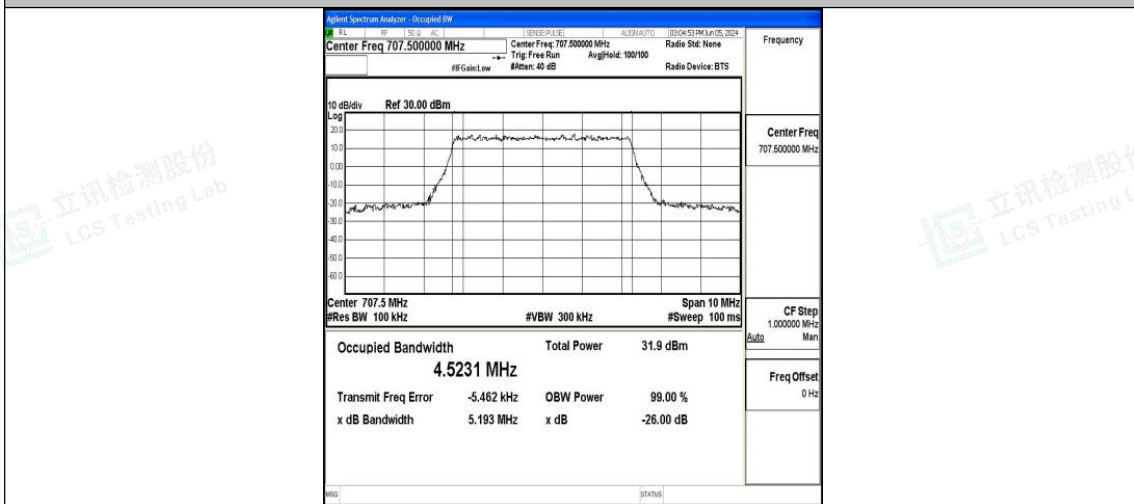




Band12-5MHz-QPSK-23035-25RB#0-PASS

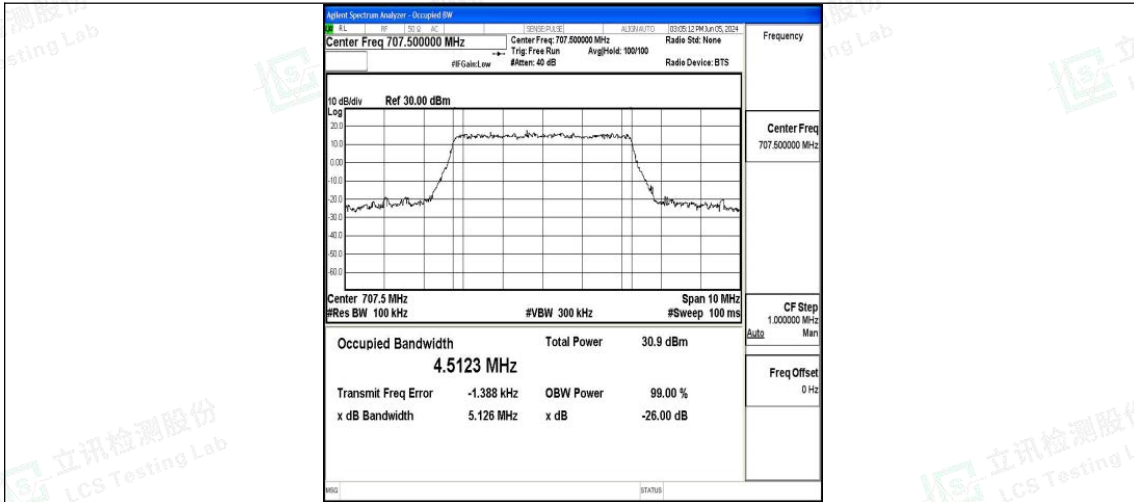


Band12-5MHz-16QAM-23035-25RB#0-PASS

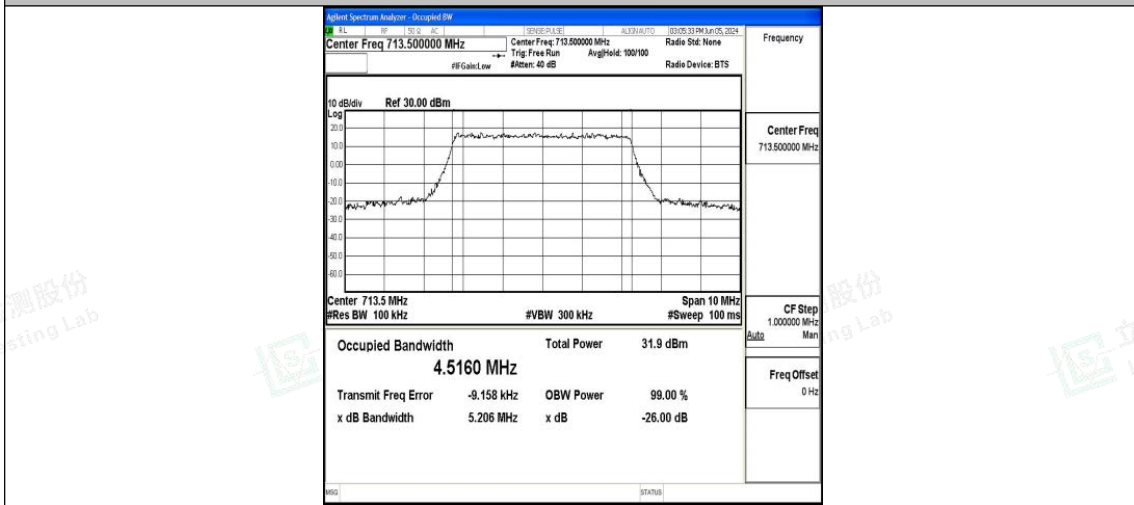


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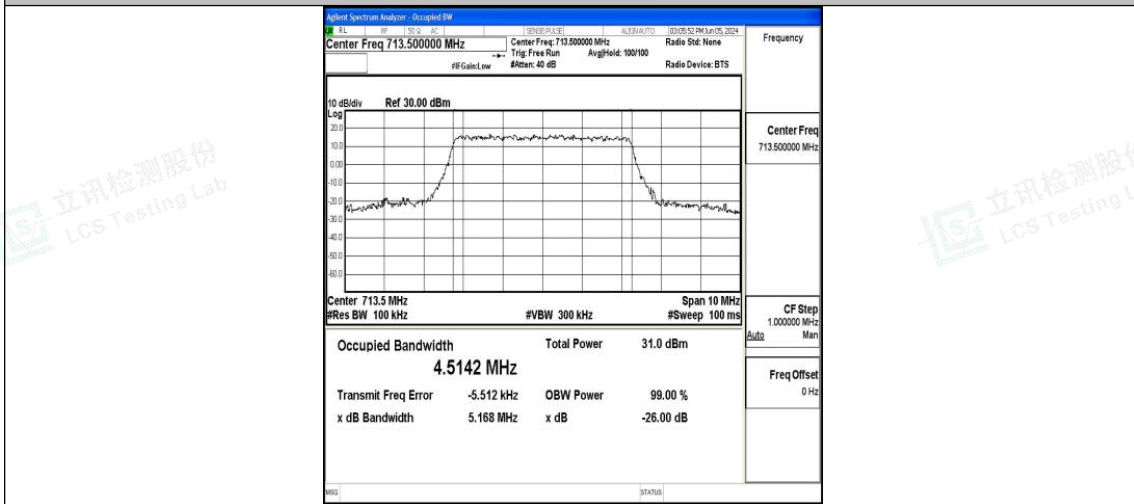




Band12-5MHz-16QAM-23095-25RB#0-PASS

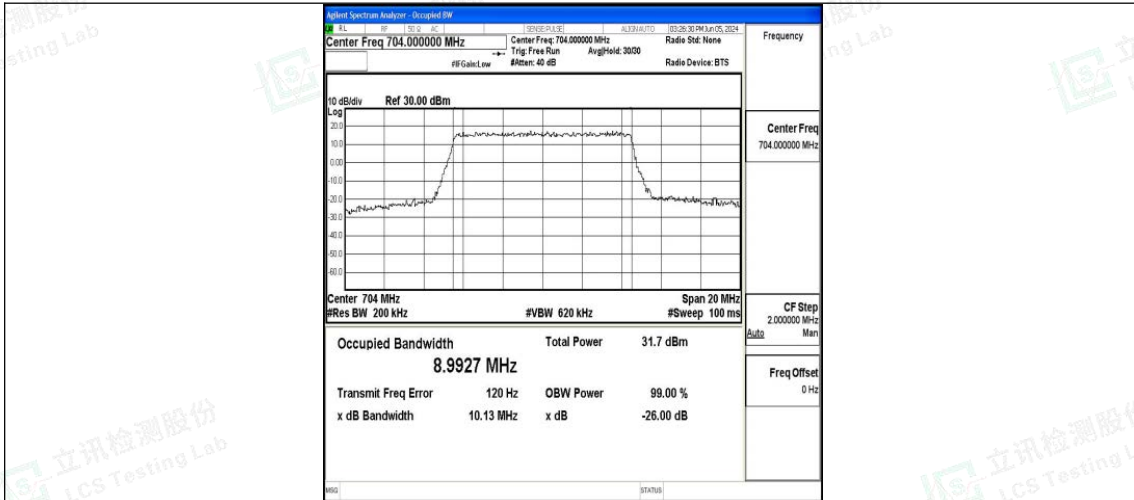


Band12-5MHz-QPSK-23155-25RB#0-PASS

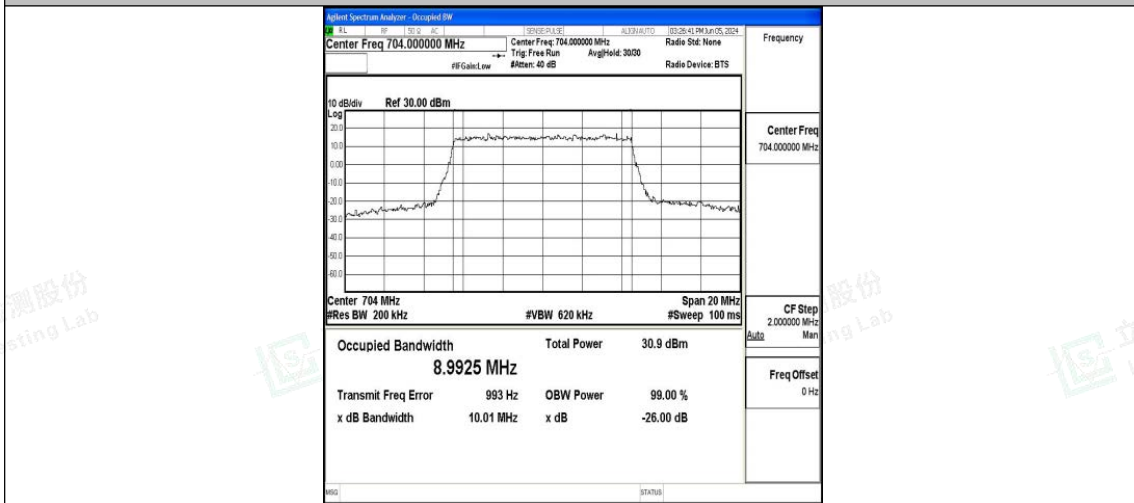


Band12-5MHz-16QAM-23155-25RB#0-PASS

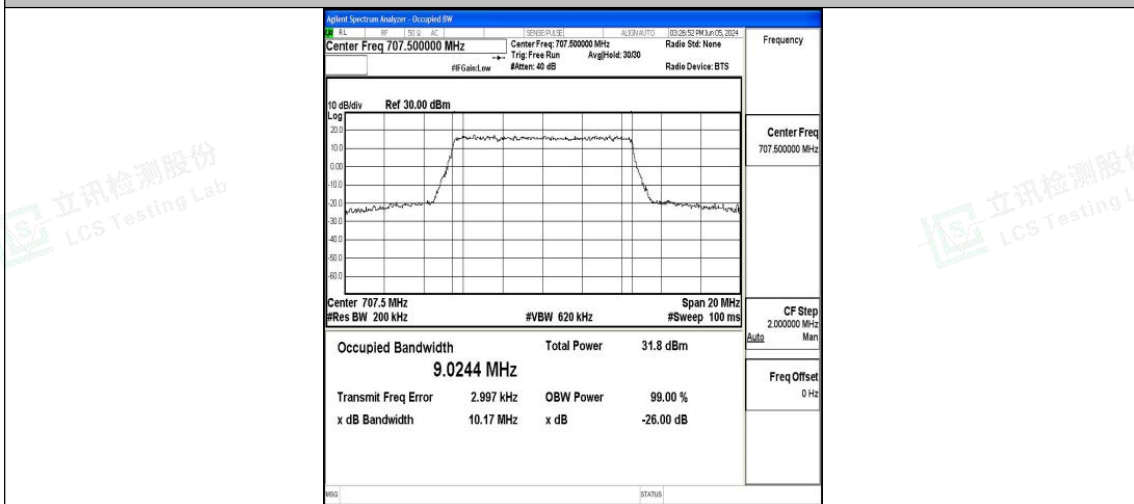




Band12-10MHz-QPSK-23060-50RB#0-PASS

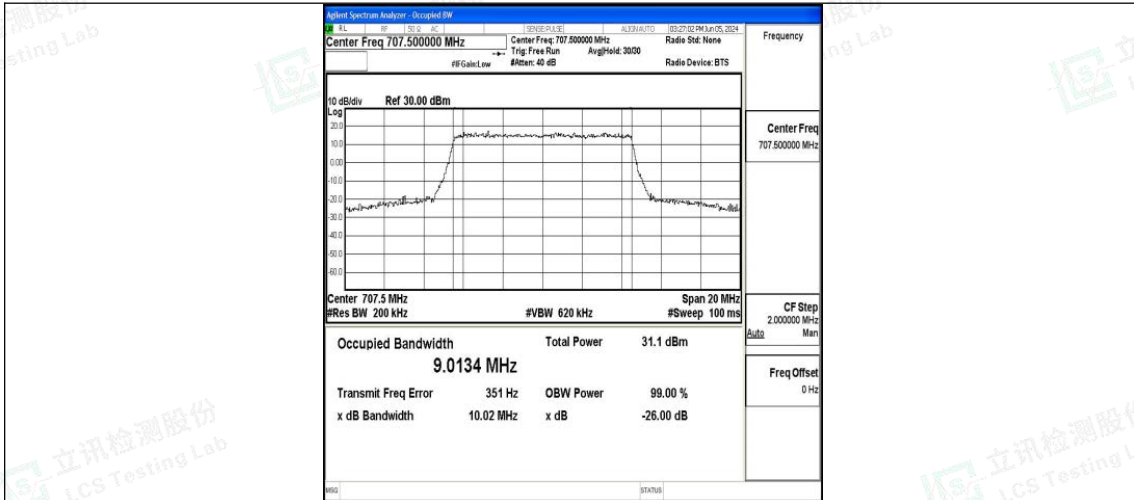


Band12-10MHz-16QAM-23060-50RB#0-PASS

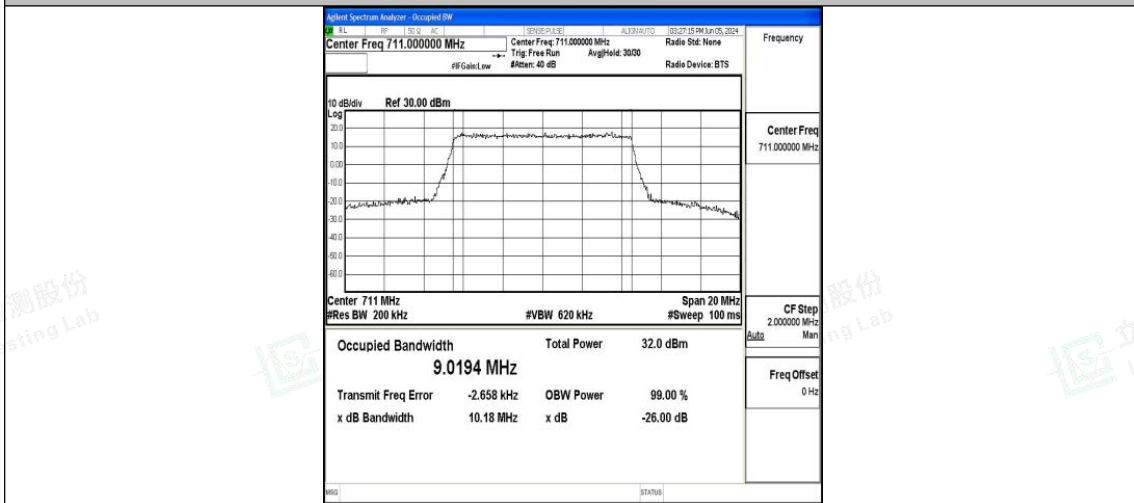


Band12-10MHz-QPSK-23095-50RB#0-PASS

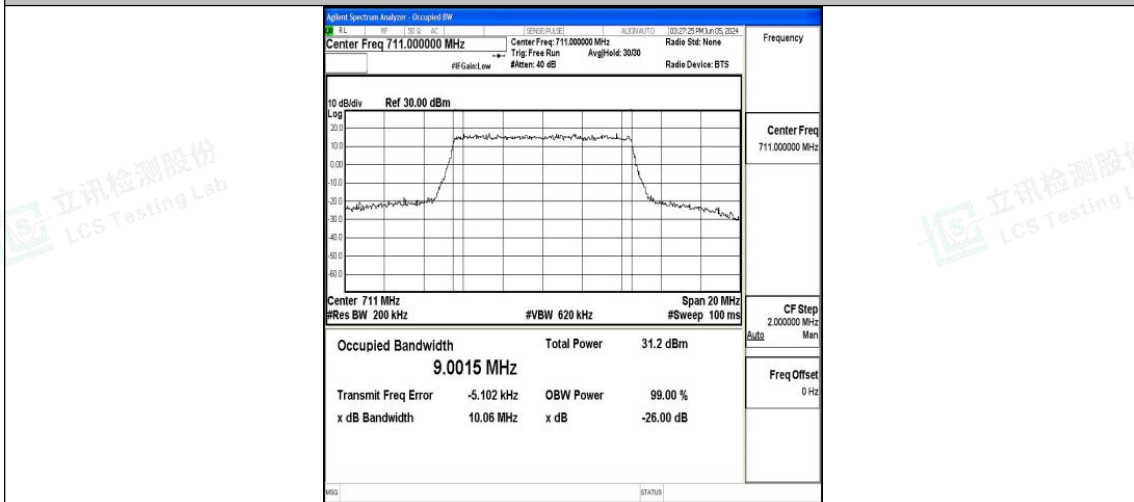




Band12-10MHz-16QAM-23095-50RB#0-PASS



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



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



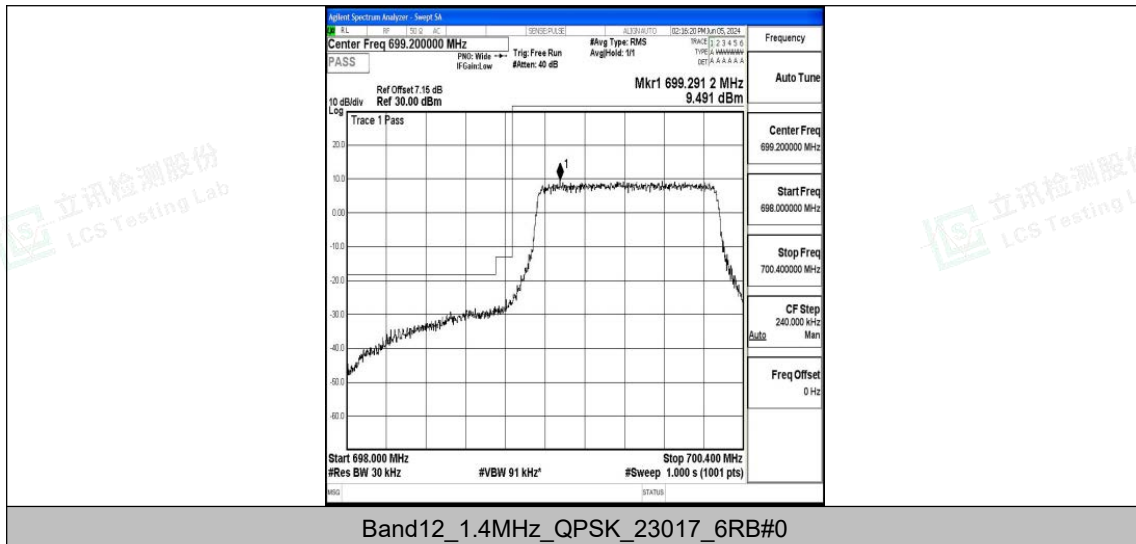


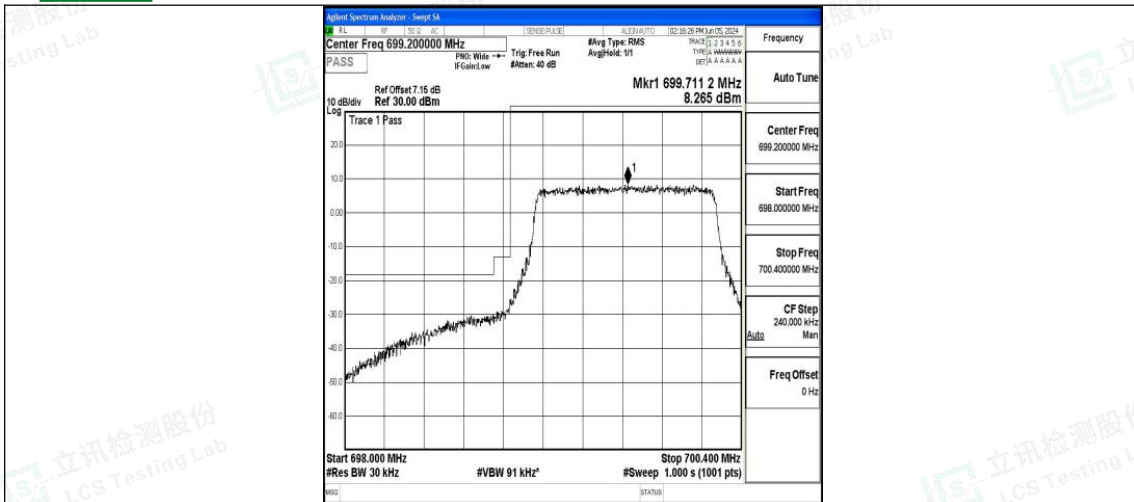
I.4 Band Edge

Test Result

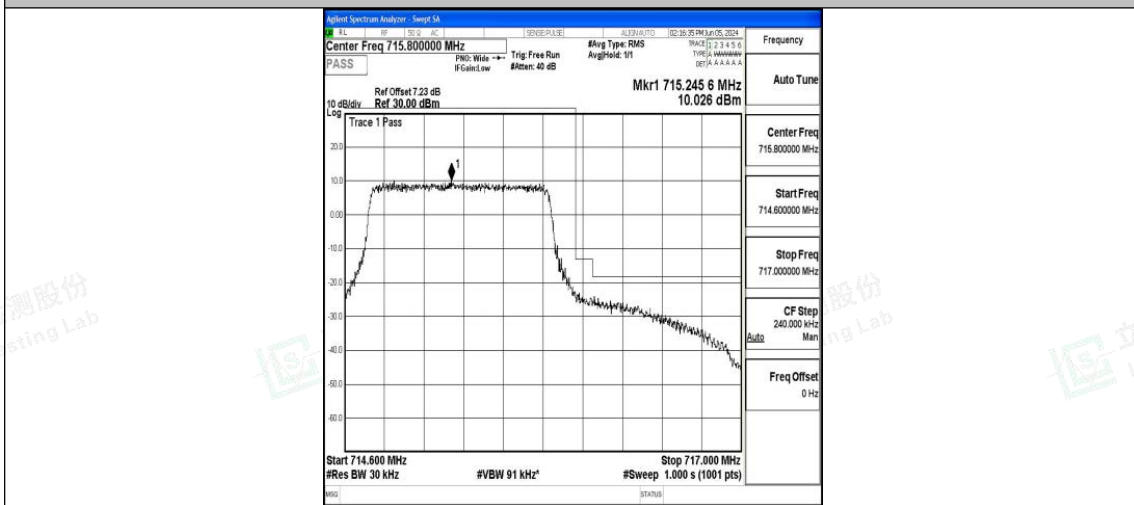
Band	Bandwidth	Modulation	Channel	RB Configuration	Peak Frequency	Result(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	698.90	-27.69	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	698.90	-30.21	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	716.11	-24.16	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	716.11	-27.32	PASS
Band12	3MHz	QPSK	23025	15RB#0	698.87	-31.23	PASS
Band12	3MHz	16QAM	23025	15RB#0	698.89	-33.35	PASS
Band12	3MHz	QPSK	23165	15RB#0	716.17	-29.39	PASS
Band12	3MHz	16QAM	23165	15RB#0	716.10	-31.23	PASS
Band12	5MHz	QPSK	23035	25RB#0	698.86	-30.24	PASS
Band12	5MHz	16QAM	23035	25RB#0	698.88	-32.18	PASS
Band12	5MHz	QPSK	23155	25RB#0	716.11	-29.40	PASS
Band12	5MHz	16QAM	23155	25RB#0	716.11	-30.48	PASS
Band12	10MHz	QPSK	23060	50RB#0	698.89	-35.70	PASS
Band12	10MHz	16QAM	23060	50RB#0	698.85	-36.89	PASS
Band12	10MHz	QPSK	23130	50RB#0	716.16	-34.78	PASS
Band12	10MHz	16QAM	23130	50RB#0	716.12	-36.31	PASS

Test Graphs

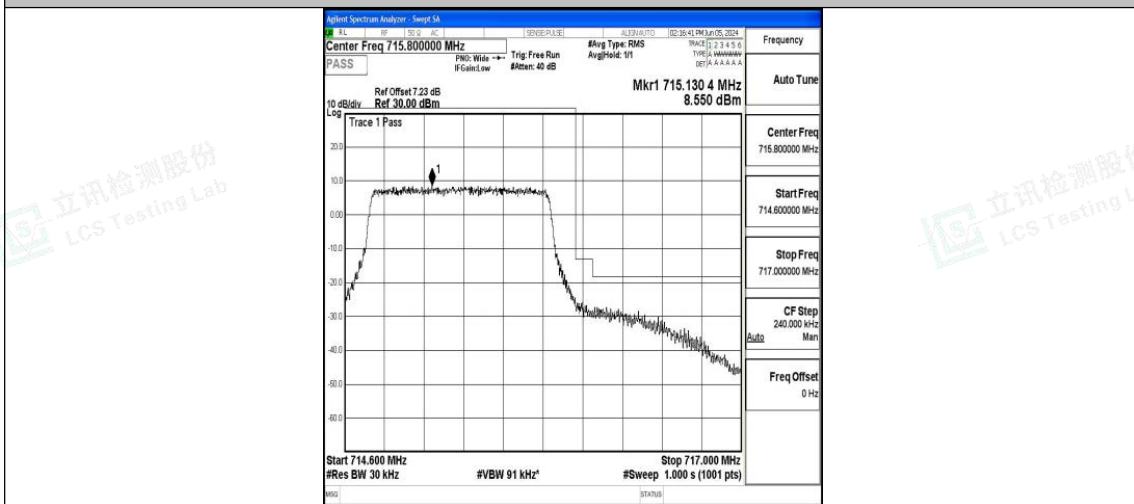




Band12_1.4MHz_16QAM_23017_6RB#0

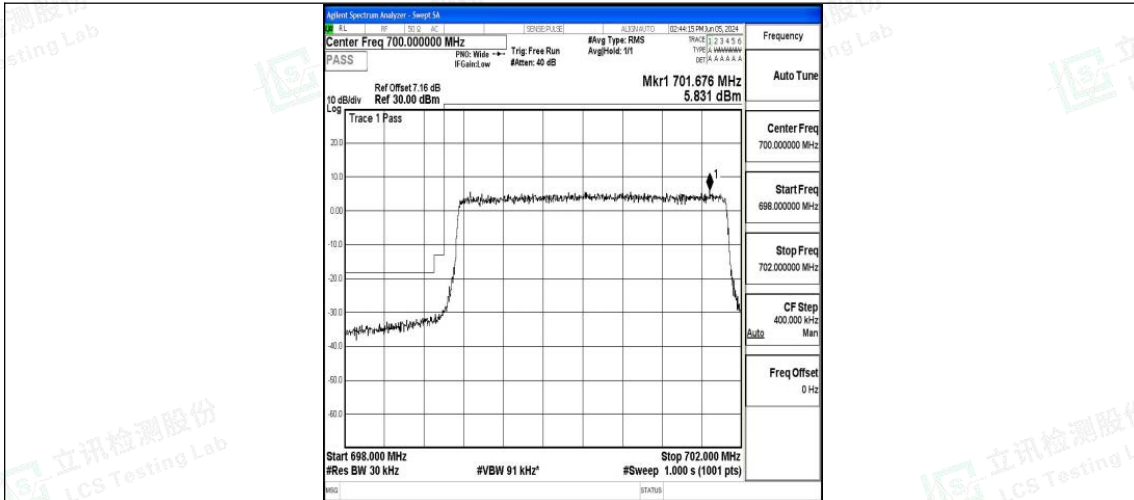


Band12_1.4MHz_QPSK_23173_6RB#0

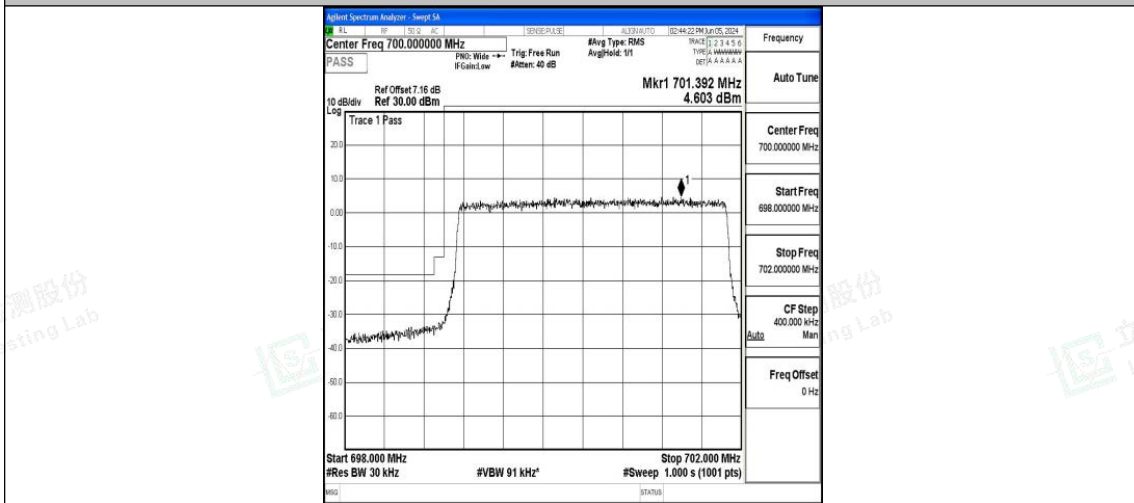


Band12_1.4MHz_16QAM_23173_6RB#0

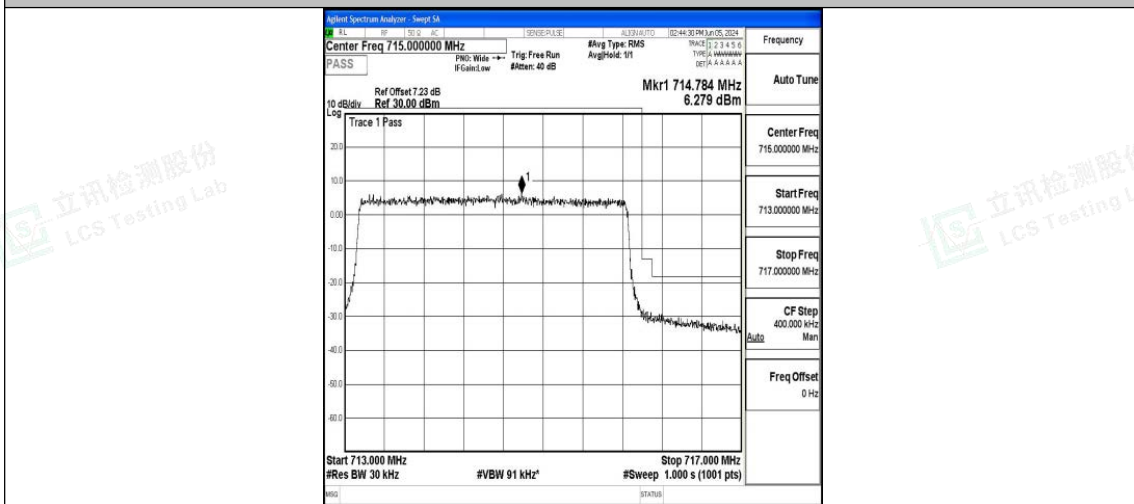




Band12_3MHz_QPSK_23025_15RB#0

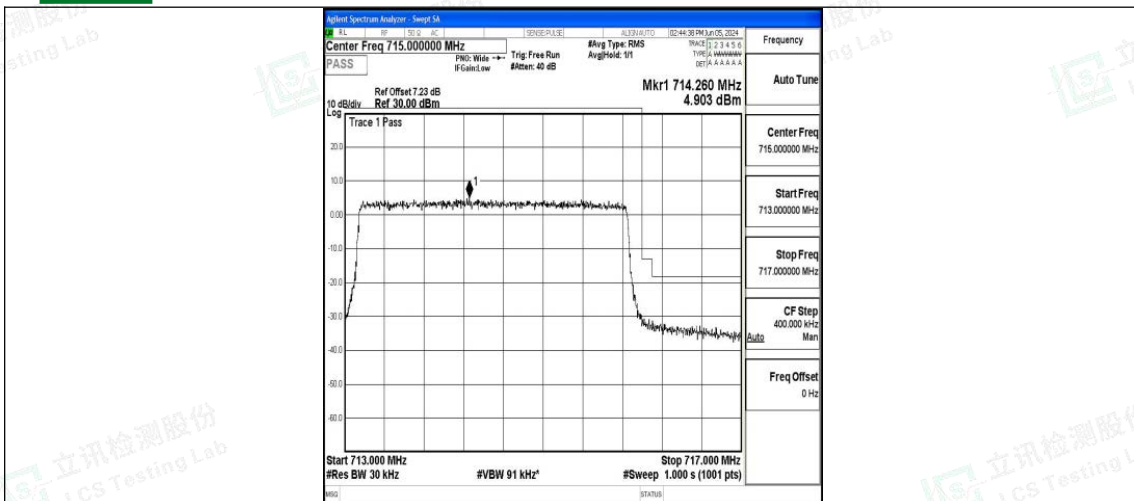


Band12_3MHz_16QAM_23025_15RB#0

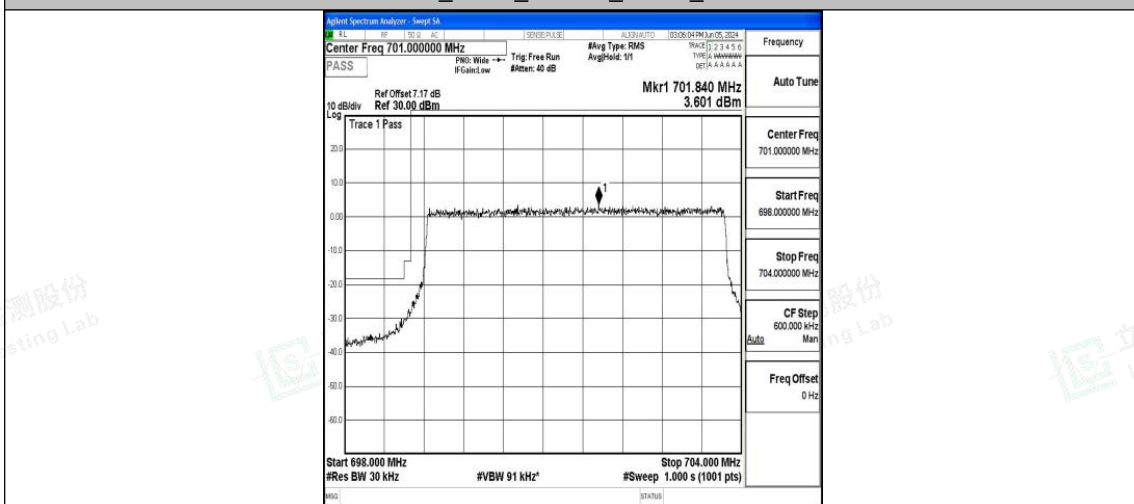


Band12_3MHz_QPSK_23165_15RB#0

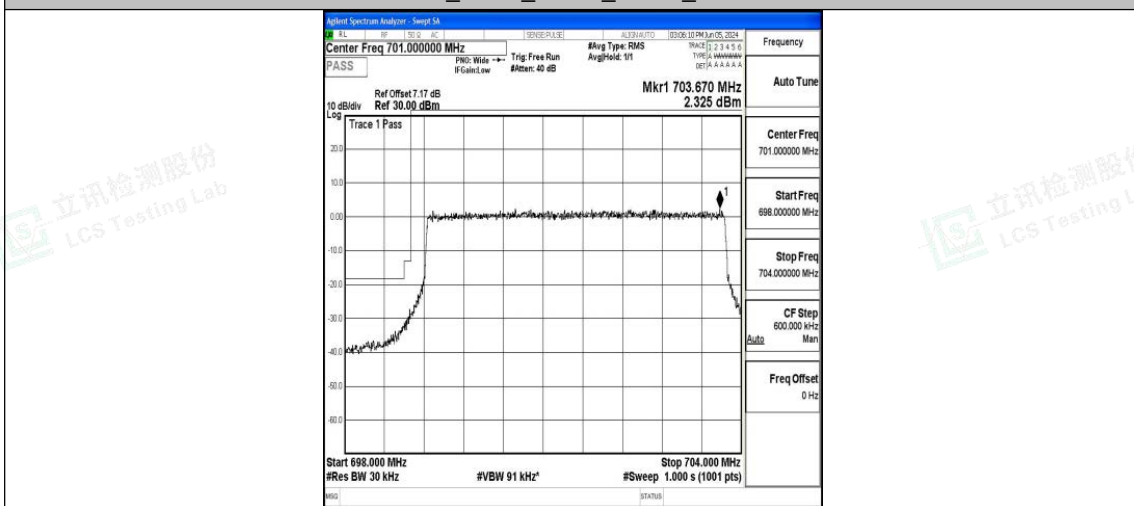




Band12_3MHz_16QAM_23165_15RB#0

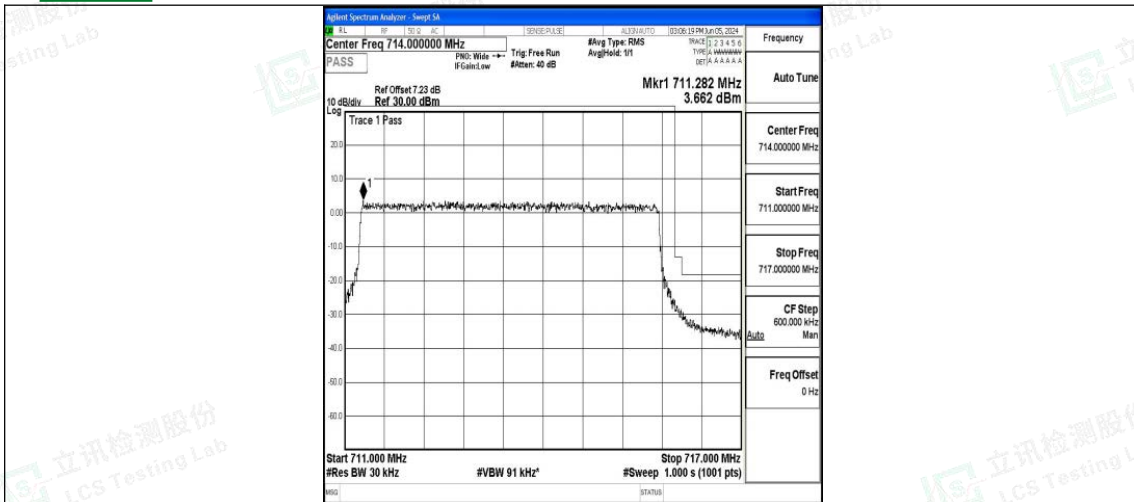


Band12_5MHz_QPSK_23035_25RB#0

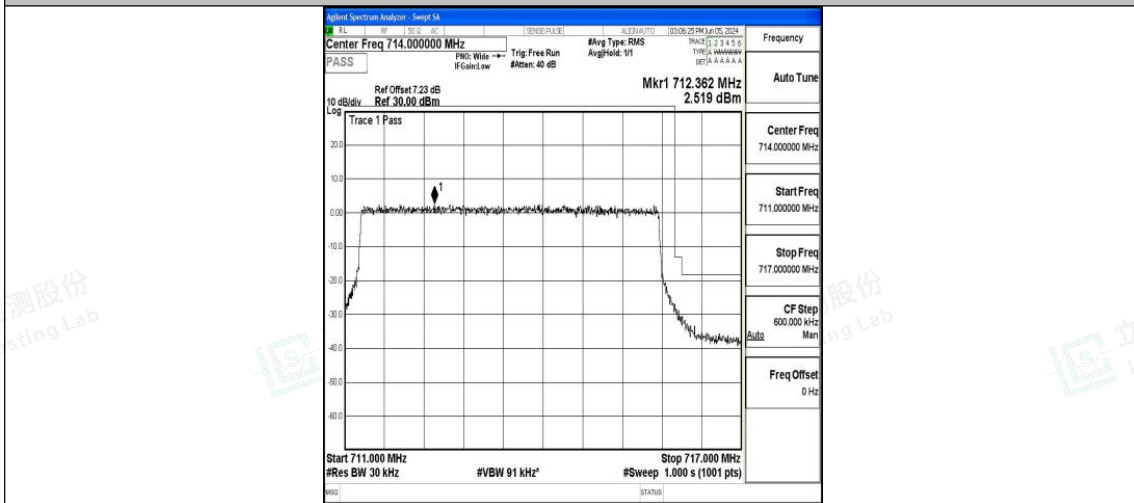


Band12_5MHz_16QAM_23035_25RB#0

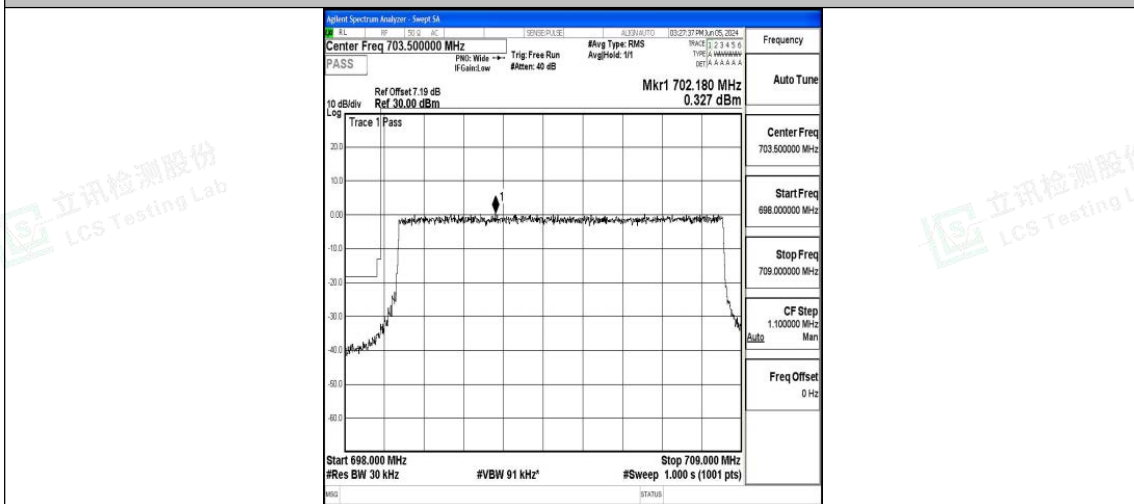




Band12_5MHz_QPSK_23155_25RB#0

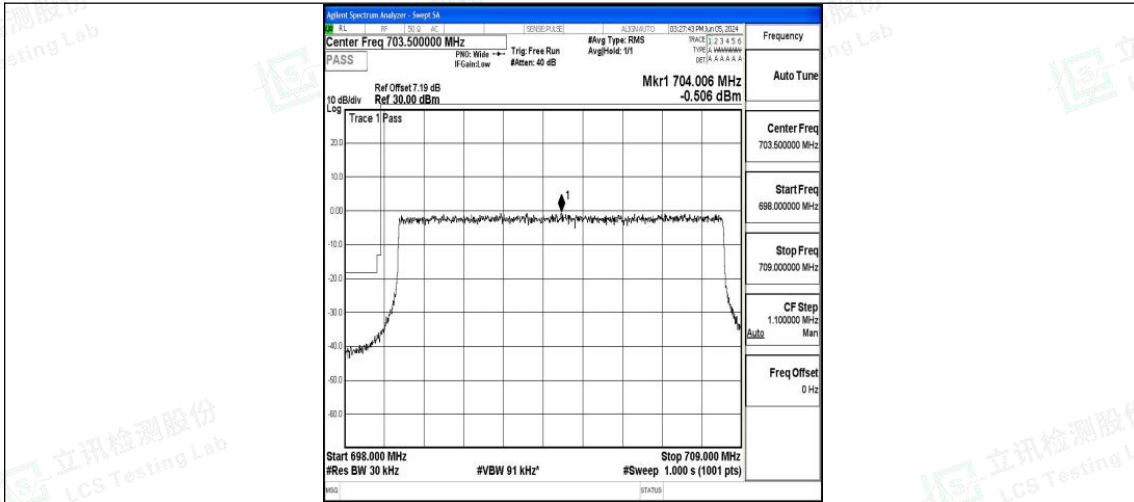


Band12_5MHz_16QAM_23155_25RB#0

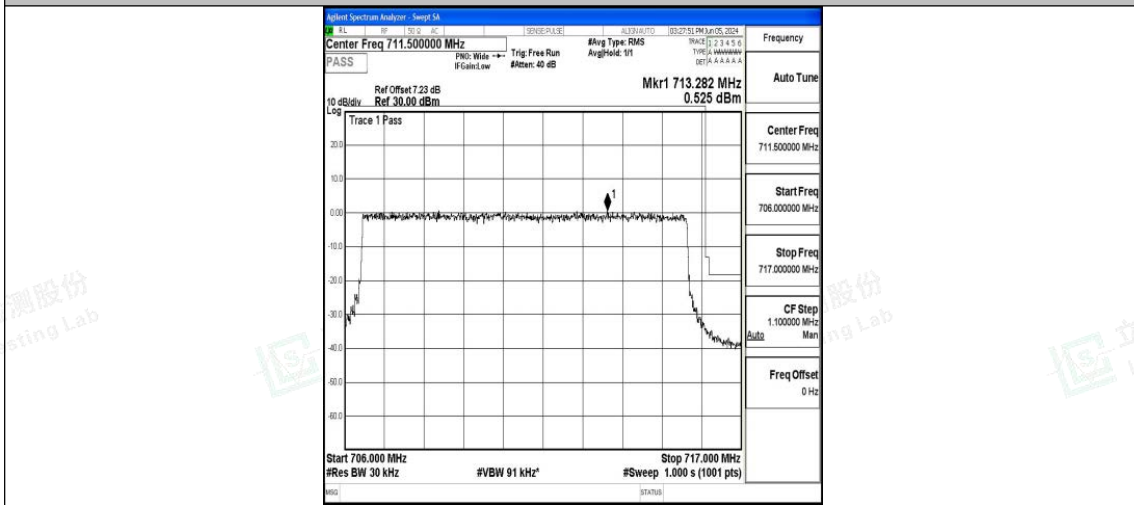


Band12_10MHz_QPSK_23060_50RB#0

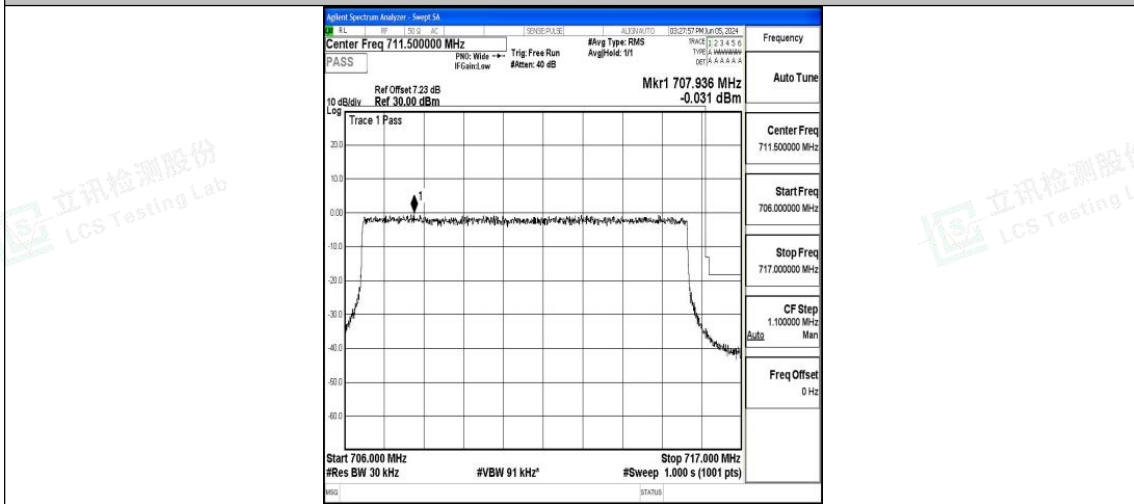




Band12_10MHz_16QAM_23060_50RB#0



Band12_10MHz_QPSK_23130_50RB#0



Band12_10MHz_16QAM_23130_50RB#0





I.5 Conducted Spurious Emission

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	0.009~0.15	-57.69	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	0.15~30	-52.32	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	30~1000	-48.23	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	1000~3000	-41.62	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	3000~10000	-44.36	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	0.009~0.15	-56.27	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	0.15~30	-51.76	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	30~1000	-44.49	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	1000~3000	-41.99	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	3000~10000	-44.11	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	0.009~0.15	-56.97	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	0.15~30	-50.69	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	30~1000	-49.36	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	1000~3000	-42.67	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	3000~10000	-43.88	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	0.009~0.15	-55.31	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	0.15~30	-52.47	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	30~1000	-49.14	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	1000~3000	-43.30	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	3000~10000	-43.94	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	0.009~0.15	-58.06	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	0.15~30	-52.36	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	30~1000	-48.84	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	1000~3000	-46.00	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	3000~10000	-44.02	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	0.009~0.15	-58.46	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	0.15~30	-52.47	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	30~1000	-48.96	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	1000~3000	-46.02	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	3000~10000	-43.91	PASS
Band12	3MHz	QPSK	23025	1RB#0	0.009~0.15	-53.88	PASS
Band12	3MHz	QPSK	23025	1RB#0	0.15~30	-53.26	PASS
Band12	3MHz	QPSK	23025	1RB#0	30~1000	-43.11	PASS
Band12	3MHz	QPSK	23025	1RB#0	1000~3000	-41.51	PASS



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Scan code to check authenticity



Band12	3MHz	QPSK	23025	1RB#0	3000~10000	-44.13	PASS
Band12	3MHz	16QAM	23025	1RB#0	0.009~0.15	-56.85	PASS
Band12	3MHz	16QAM	23025	1RB#0	0.15~30	-53.52	PASS
Band12	3MHz	16QAM	23025	1RB#0	30~1000	-56.51	PASS
Band12	3MHz	16QAM	23025	1RB#0	1000~3000	-40.62	PASS
Band12	3MHz	16QAM	23025	1RB#0	3000~10000	-44.01	PASS
Band12	3MHz	QPSK	23095	1RB#0	0.009~0.15	-59.05	PASS
Band12	3MHz	QPSK	23095	1RB#0	0.15~30	-52.48	PASS
Band12	3MHz	QPSK	23095	1RB#0	30~1000	-58.55	PASS
Band12	3MHz	QPSK	23095	1RB#0	1000~3000	-44.39	PASS
Band12	3MHz	QPSK	23095	1RB#0	3000~10000	-43.90	PASS
Band12	3MHz	16QAM	23095	1RB#0	0.009~0.15	-56.61	PASS
Band12	3MHz	16QAM	23095	1RB#0	0.15~30	-53.04	PASS
Band12	3MHz	16QAM	23095	1RB#0	30~1000	-59.07	PASS
Band12	3MHz	16QAM	23095	1RB#0	1000~3000	-43.51	PASS
Band12	3MHz	16QAM	23095	1RB#0	3000~10000	-43.64	PASS
Band12	3MHz	QPSK	23165	1RB#0	0.009~0.15	-56.83	PASS
Band12	3MHz	QPSK	23165	1RB#0	0.15~30	-52.36	PASS
Band12	3MHz	QPSK	23165	1RB#0	30~1000	-59.51	PASS
Band12	3MHz	QPSK	23165	1RB#0	1000~3000	-41.86	PASS
Band12	3MHz	QPSK	23165	1RB#0	3000~10000	-43.75	PASS
Band12	3MHz	16QAM	23165	1RB#0	0.009~0.15	-61.13	PASS
Band12	3MHz	16QAM	23165	1RB#0	0.15~30	-50.69	PASS
Band12	3MHz	16QAM	23165	1RB#0	30~1000	-59.55	PASS
Band12	3MHz	16QAM	23165	1RB#0	1000~3000	-42.44	PASS
Band12	3MHz	16QAM	23165	1RB#0	3000~10000	-44.03	PASS
Band12	5MHz	QPSK	23035	1RB#0	0.009~0.15	-58.80	PASS
Band12	5MHz	QPSK	23035	1RB#0	0.15~30	-51.00	PASS
Band12	5MHz	QPSK	23035	1RB#0	30~1000	-61.99	PASS
Band12	5MHz	QPSK	23035	1RB#0	1000~3000	-41.67	PASS
Band12	5MHz	QPSK	23035	1RB#0	3000~10000	-43.83	PASS
Band12	5MHz	16QAM	23035	1RB#0	0.009~0.15	-56.48	PASS
Band12	5MHz	16QAM	23035	1RB#0	0.15~30	-52.41	PASS
Band12	5MHz	16QAM	23035	1RB#0	30~1000	-61.82	PASS
Band12	5MHz	16QAM	23035	1RB#0	1000~3000	-42.67	PASS
Band12	5MHz	16QAM	23035	1RB#0	3000~10000	-43.79	PASS
Band12	5MHz	QPSK	23095	1RB#0	0.009~0.15	-58.43	PASS
Band12	5MHz	QPSK	23095	1RB#0	0.15~30	-52.13	PASS
Band12	5MHz	QPSK	23095	1RB#0	30~1000	-51.45	PASS
Band12	5MHz	QPSK	23095	1RB#0	1000~3000	-41.83	PASS



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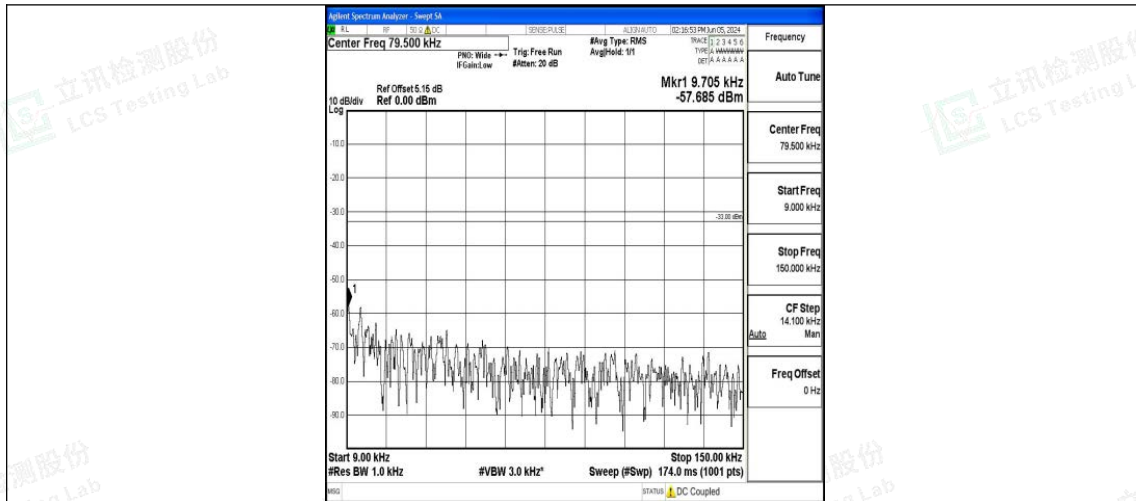
Band12	5MHz	QPSK	23095	1RB#0	3000~10000	-44.10	PASS
Band12	5MHz	16QAM	23095	1RB#0	0.009~0.15	-56.74	PASS
Band12	5MHz	16QAM	23095	1RB#0	0.15~30	-52.30	PASS
Band12	5MHz	16QAM	23095	1RB#0	30~1000	-47.69	PASS
Band12	5MHz	16QAM	23095	1RB#0	1000~3000	-42.82	PASS
Band12	5MHz	16QAM	23095	1RB#0	3000~10000	-44.00	PASS
Band12	5MHz	QPSK	23155	1RB#0	0.009~0.15	-55.77	PASS
Band12	5MHz	QPSK	23155	1RB#0	0.15~30	-53.93	PASS
Band12	5MHz	QPSK	23155	1RB#0	30~1000	-47.87	PASS
Band12	5MHz	QPSK	23155	1RB#0	1000~3000	-43.73	PASS
Band12	5MHz	QPSK	23155	1RB#0	3000~10000	-44.06	PASS
Band12	5MHz	16QAM	23155	1RB#0	0.009~0.15	-58.55	PASS
Band12	5MHz	16QAM	23155	1RB#0	0.15~30	-54.15	PASS
Band12	5MHz	16QAM	23155	1RB#0	30~1000	-46.27	PASS
Band12	5MHz	16QAM	23155	1RB#0	1000~3000	-44.48	PASS
Band12	5MHz	16QAM	23155	1RB#0	3000~10000	-43.70	PASS
Band12	10MHz	QPSK	23060	1RB#0	0.009~0.15	-58.07	PASS
Band12	10MHz	QPSK	23060	1RB#0	0.15~30	-52.77	PASS
Band12	10MHz	QPSK	23060	1RB#0	30~1000	-61.72	PASS
Band12	10MHz	QPSK	23060	1RB#0	1000~3000	-42.11	PASS
Band12	10MHz	QPSK	23060	1RB#0	3000~10000	-44.19	PASS
Band12	10MHz	16QAM	23060	1RB#0	0.009~0.15	-58.25	PASS
Band12	10MHz	16QAM	23060	1RB#0	0.15~30	-52.73	PASS
Band12	10MHz	16QAM	23060	1RB#0	30~1000	-62.08	PASS
Band12	10MHz	16QAM	23060	1RB#0	1000~3000	-43.70	PASS
Band12	10MHz	16QAM	23060	1RB#0	3000~10000	-44.29	PASS
Band12	10MHz	QPSK	23095	1RB#0	0.009~0.15	-57.66	PASS
Band12	10MHz	QPSK	23095	1RB#0	0.15~30	-52.84	PASS
Band12	10MHz	QPSK	23095	1RB#0	30~1000	-61.64	PASS
Band12	10MHz	QPSK	23095	1RB#0	1000~3000	-43.26	PASS
Band12	10MHz	QPSK	23095	1RB#0	3000~10000	-44.27	PASS
Band12	10MHz	16QAM	23095	1RB#0	0.009~0.15	-55.94	PASS
Band12	10MHz	16QAM	23095	1RB#0	0.15~30	-51.94	PASS
Band12	10MHz	16QAM	23095	1RB#0	30~1000	-61.99	PASS
Band12	10MHz	16QAM	23095	1RB#0	1000~3000	-42.29	PASS
Band12	10MHz	16QAM	23095	1RB#0	3000~10000	-43.88	PASS
Band12	10MHz	QPSK	23130	1RB#0	0.009~0.15	-57.41	PASS
Band12	10MHz	QPSK	23130	1RB#0	0.15~30	-50.24	PASS
Band12	10MHz	QPSK	23130	1RB#0	30~1000	-61.86	PASS
Band12	10MHz	QPSK	23130	1RB#0	1000~3000	-44.19	PASS



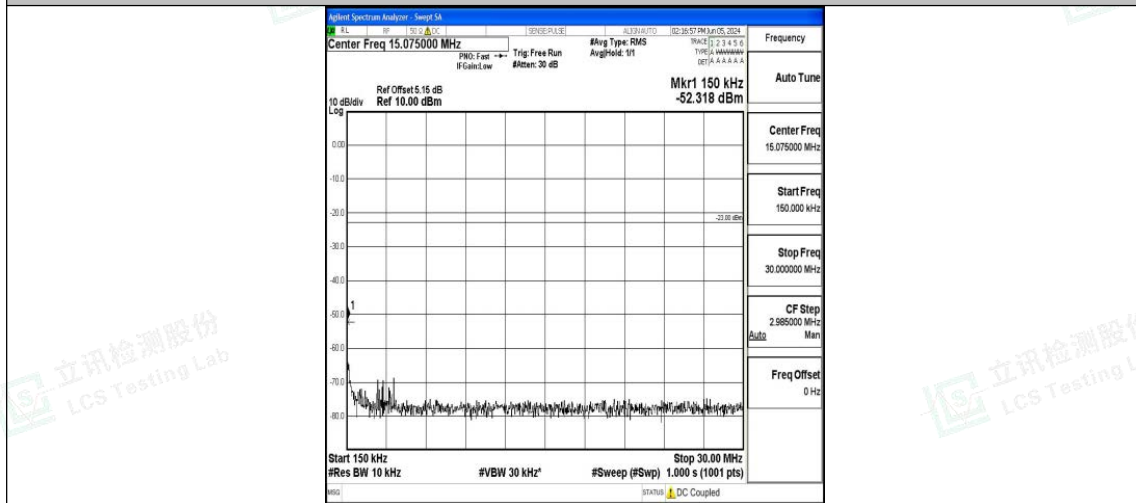


Band12	10MHz	QPSK	23130	1RB#0	3000~10000	-44.12	PASS
Band12	10MHz	16QAM	23130	1RB#0	0.009~0.15	-55.32	PASS
Band12	10MHz	16QAM	23130	1RB#0	0.15~30	-52.52	PASS
Band12	10MHz	16QAM	23130	1RB#0	30~1000	-62.05	PASS
Band12	10MHz	16QAM	23130	1RB#0	1000~3000	-45.32	PASS
Band12	10MHz	16QAM	23130	1RB#0	3000~10000	-44.12	PASS

Test Graphs

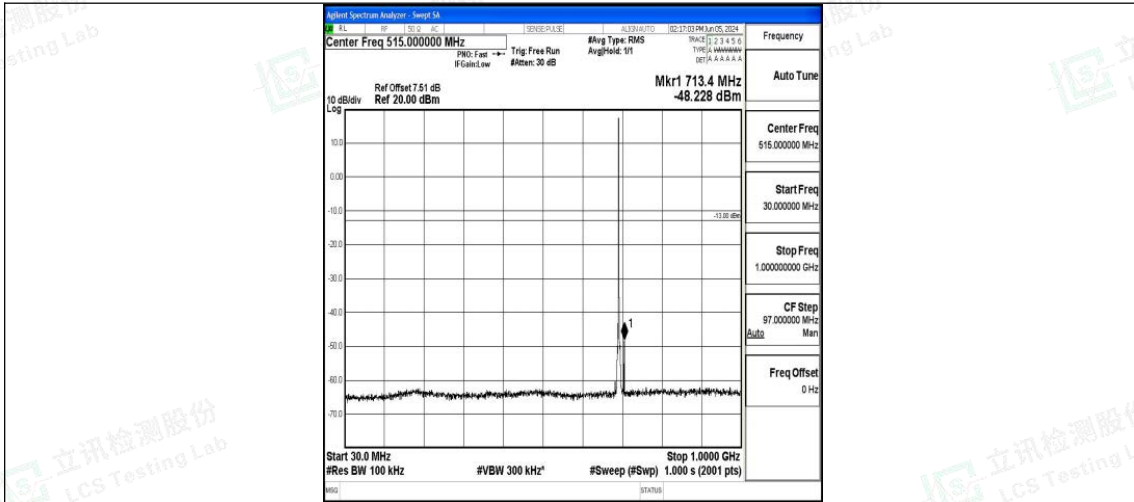


Band12_1.4MHz_QPSK_23017_1RB#0_0.009~0.15_0.009~0.15

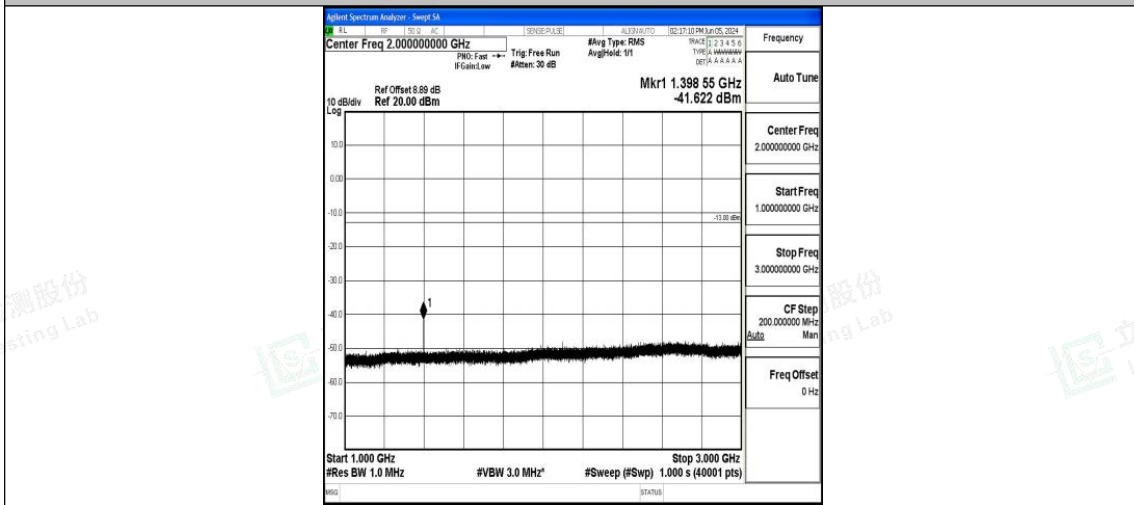


Band12_1.4MHz_QPSK_23017_1RB#0_0.15~30_0.15~30

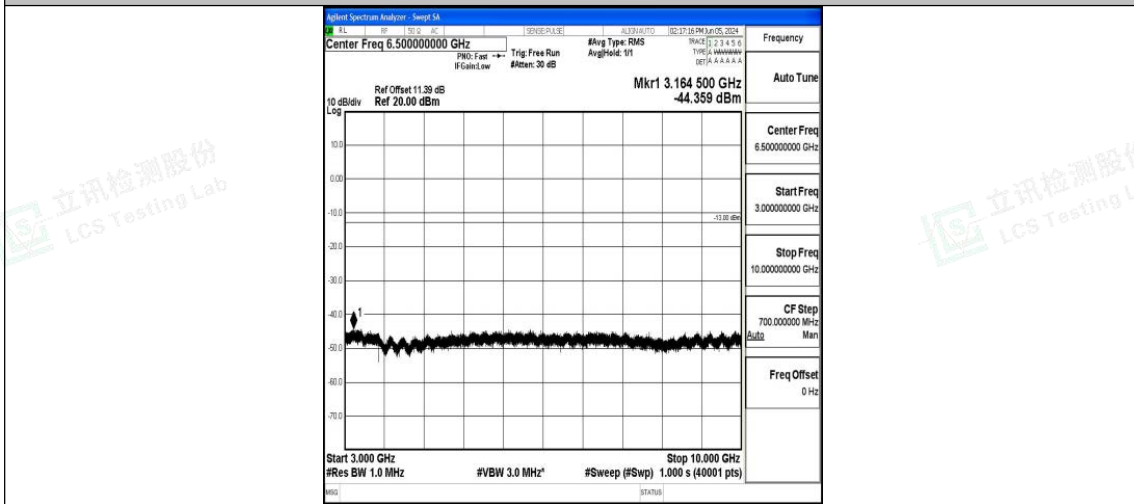




Band12_1.4MHz_QPSK_23017_1RB#0_30~1000_30~1000

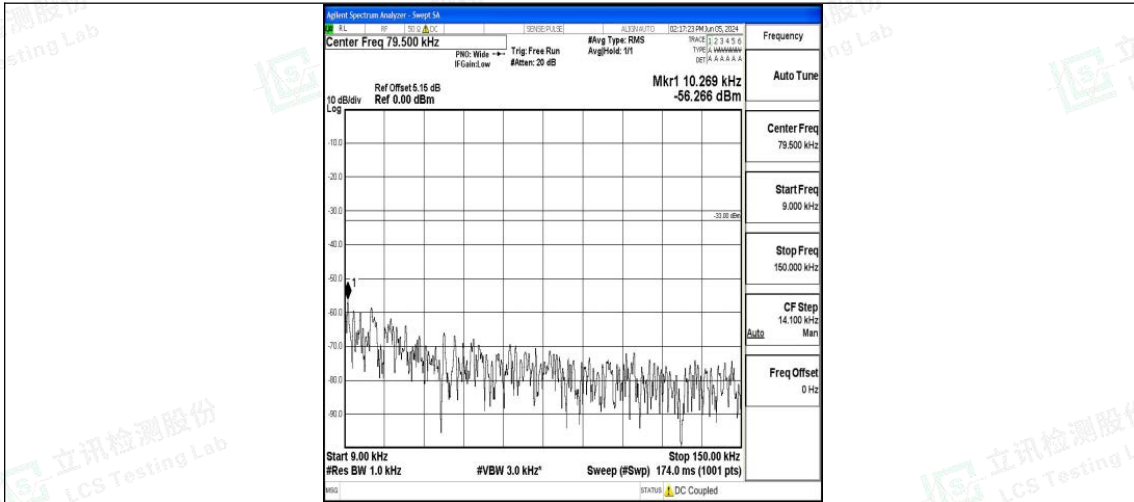


Band12_1.4MHz_QPSK_23017_1RB#0_1000~3000_1000~3000

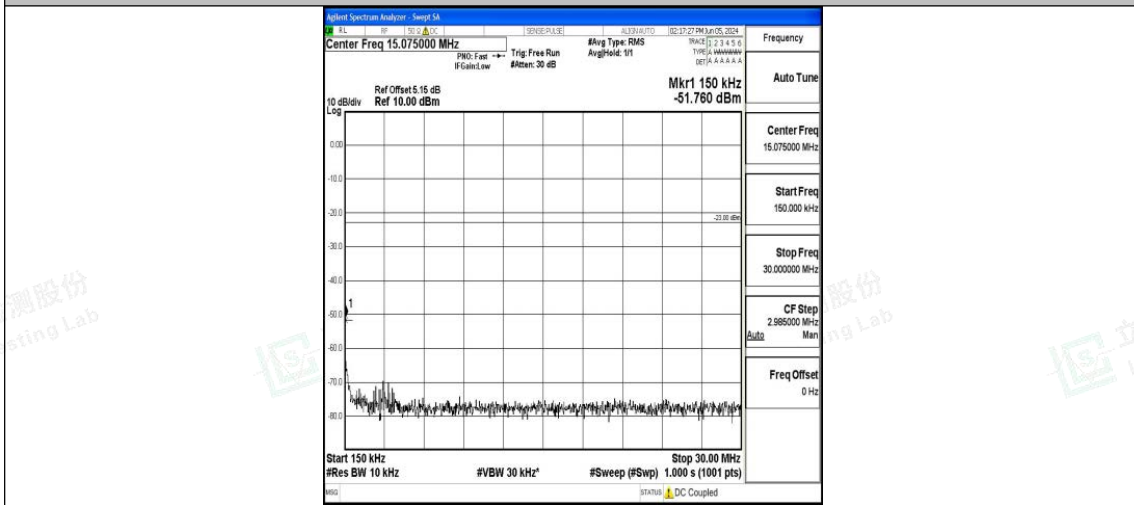


Band12_1.4MHz_QPSK_23017_1RB#0_3000~10000_3000~10000

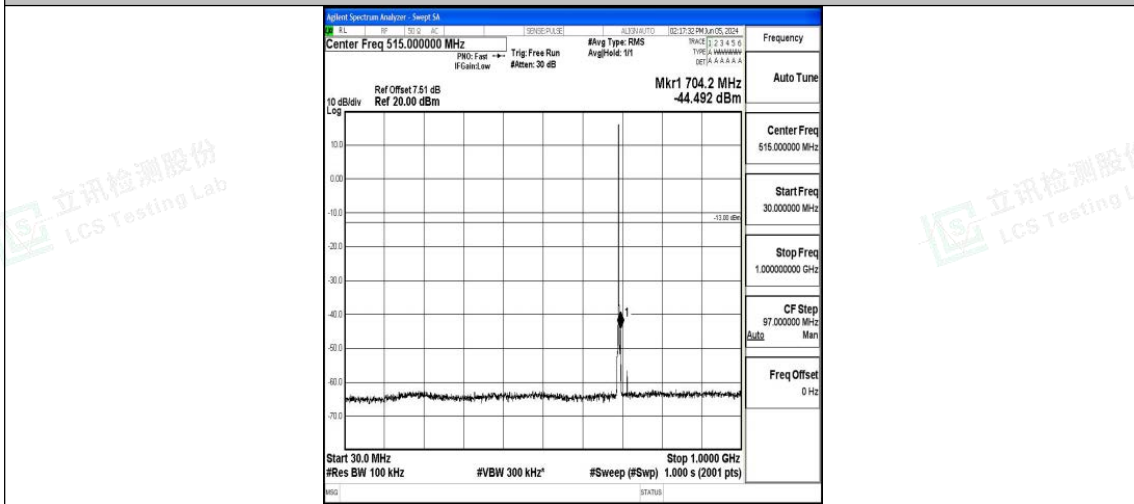




Band12_1.4MHz_16QAM_23017_1RB#0_0.009~0.15_0.009~0.15

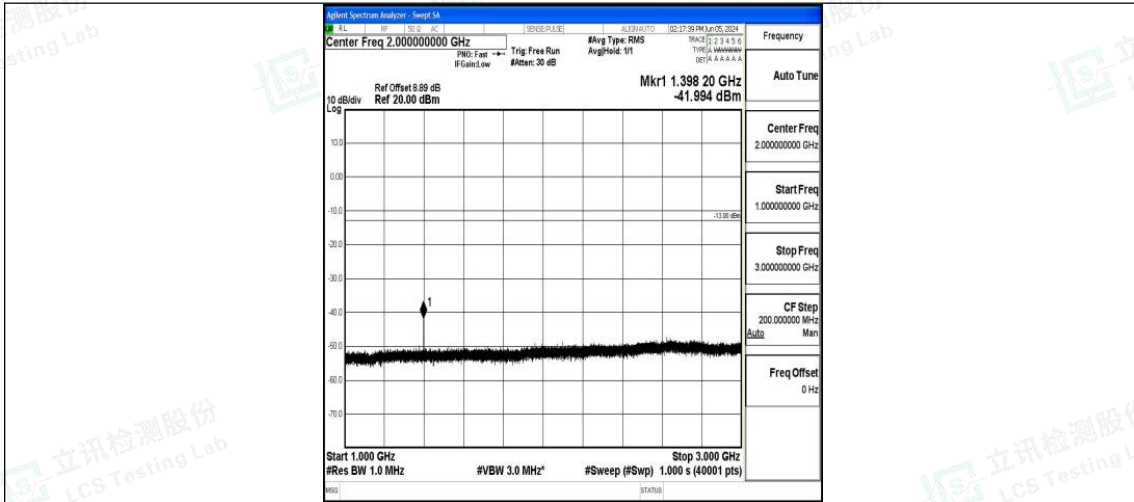


Band12_1.4MHz_16QAM_23017_1RB#0_0.15~30_0.15~30

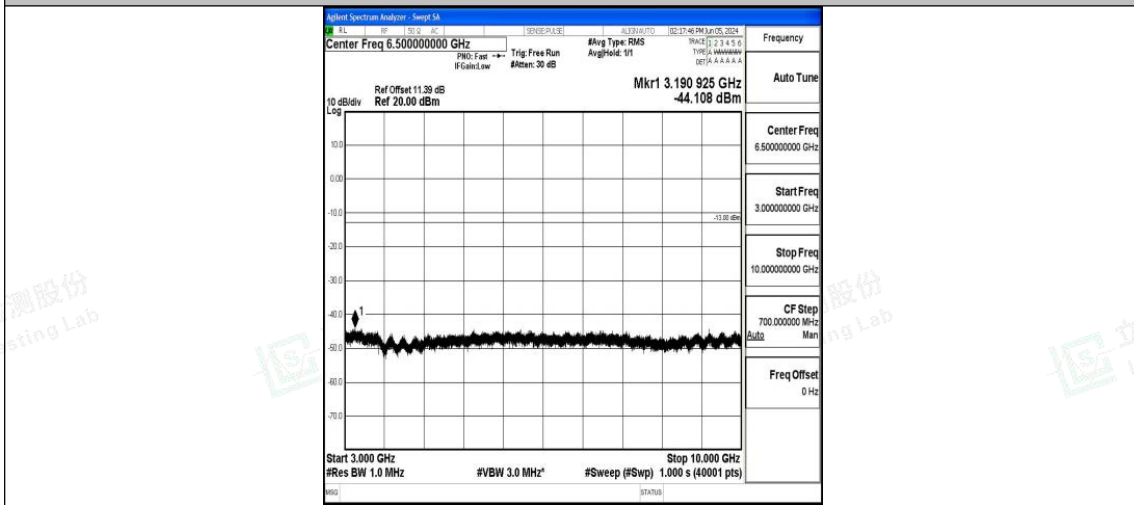


Band12_1.4MHz_16QAM_23017_1RB#0_30~1000_30~1000

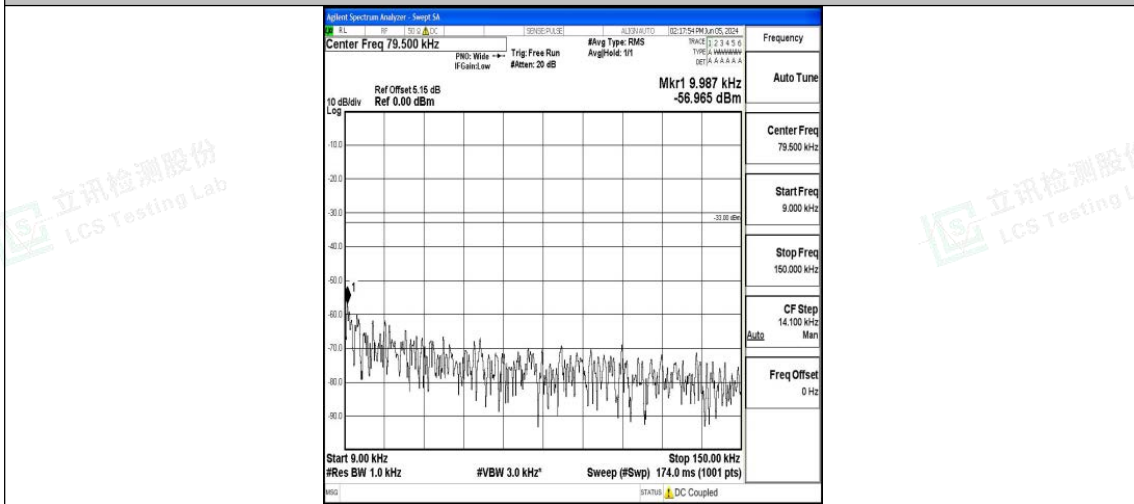




Band12_1.4MHz_16QAM_23017_1RB#0_1000~3000_1000~3000

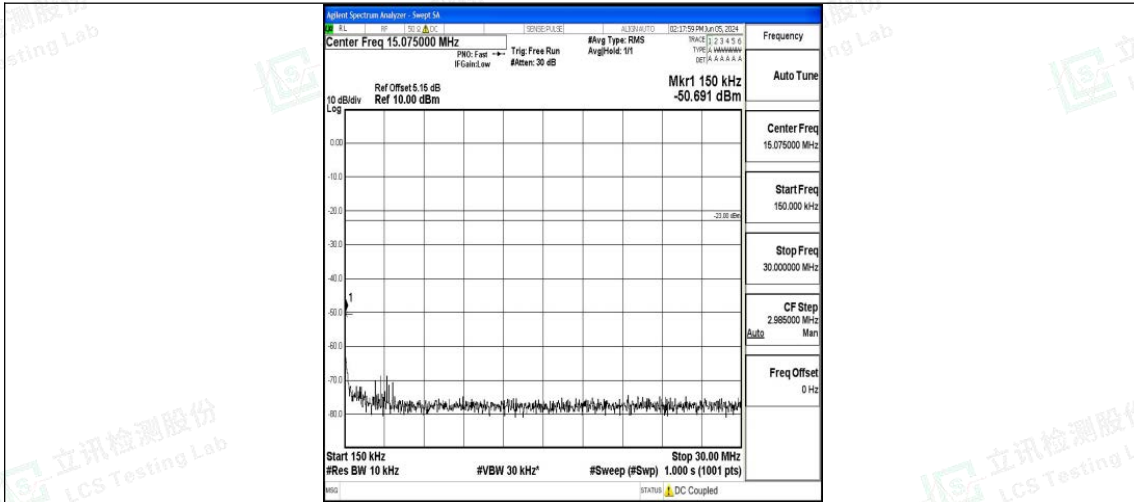


Band12_1.4MHz_16QAM_23017_1RB#0_3000~10000_3000~10000

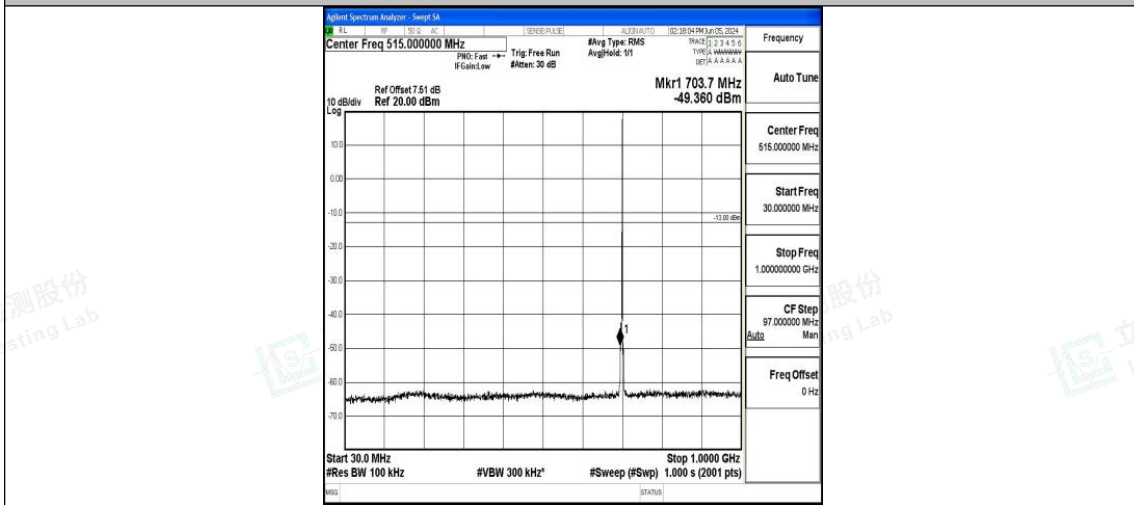


Band12_1.4MHz_QPSK_23095_1RB#0_0.009~0.15_0.009~0.15

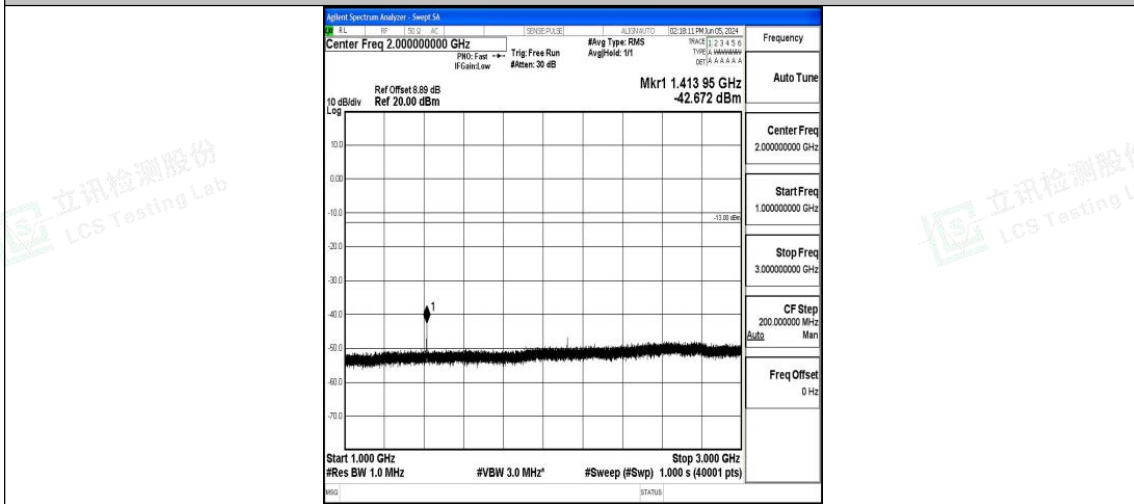




Band12_1.4MHz_QPSK_23095_1RB#0_0.15~30_0.15~30

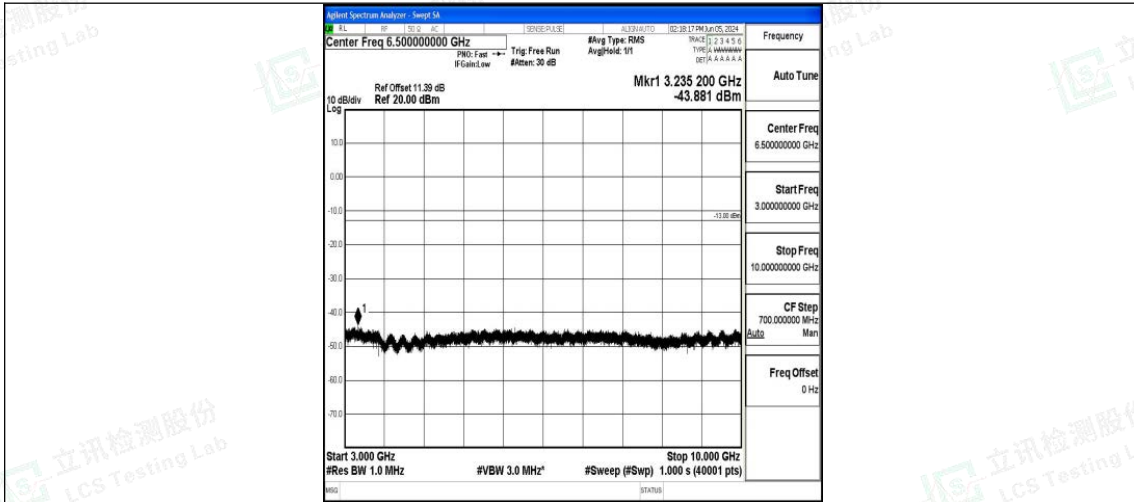


Band12_1.4MHz_QPSK_23095_1RB#0_30~1000_30~1000

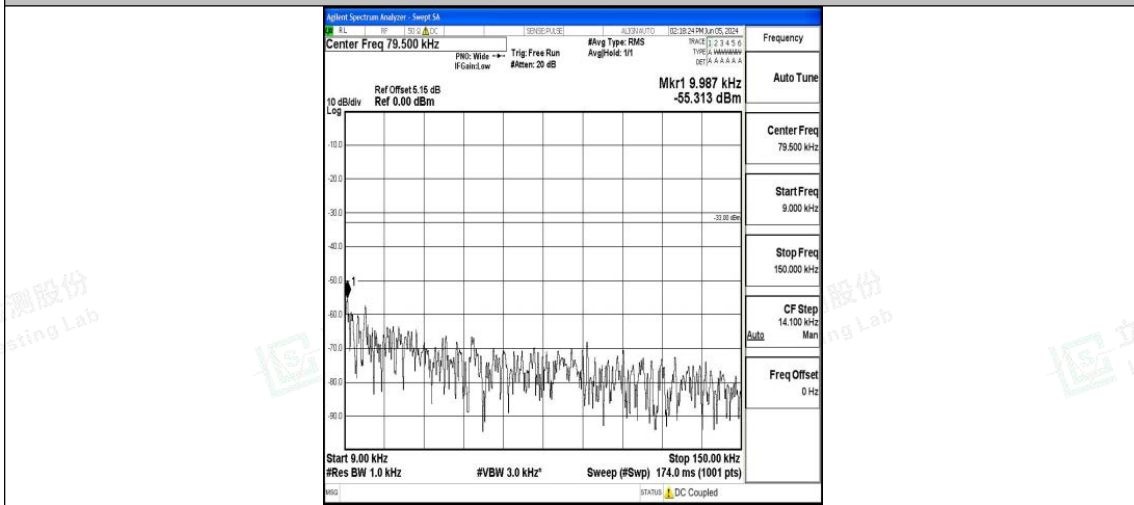


Band12_1.4MHz_QPSK_23095_1RB#0_1000~3000_1000~3000

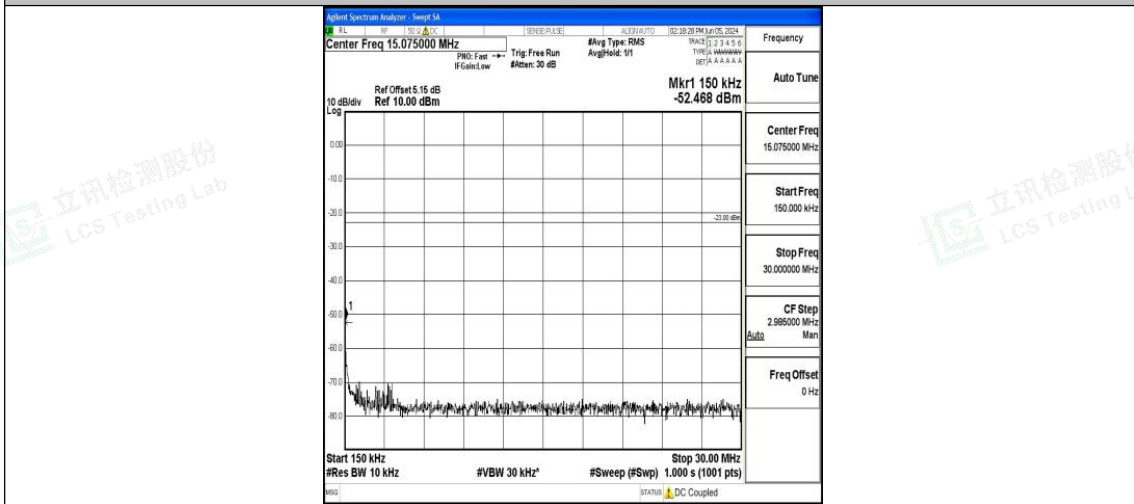




Band12_1.4MHz_QPSK_23095_1RB#0_3000~10000_3000~10000

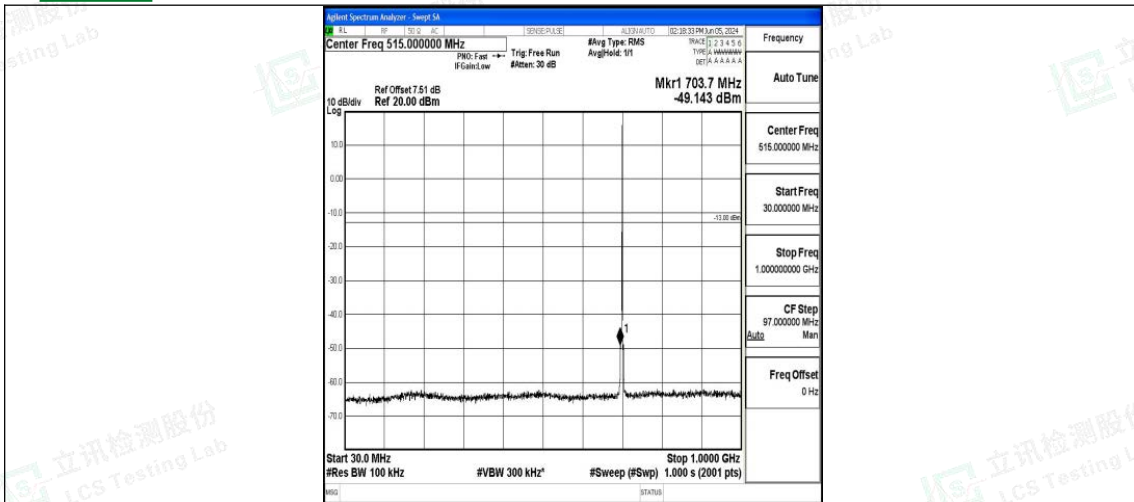


Band12_1.4MHz_16QAM_23095_1RB#0_0.009~0.15_0.009~0.15

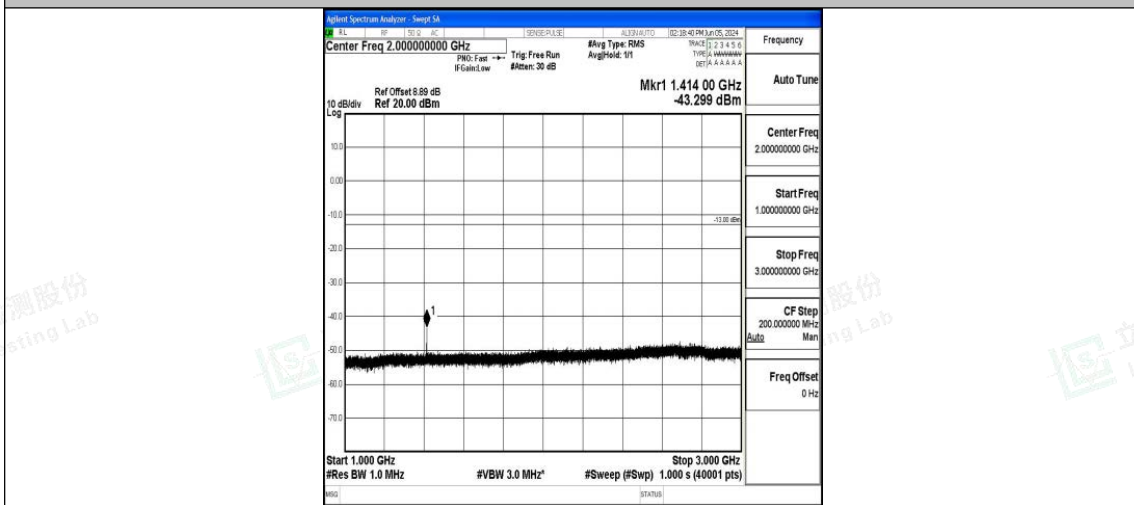


Band12_1.4MHz_16QAM_23095_1RB#0_0.15~30_0.15~30

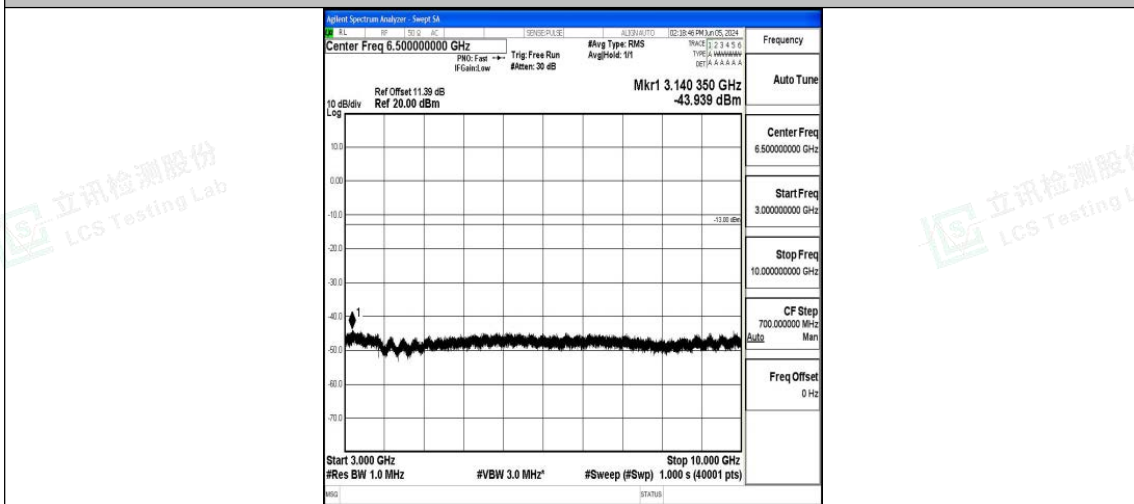




Band12_1.4MHz_16QAM_23095_1RB#0_30~1000_30~1000

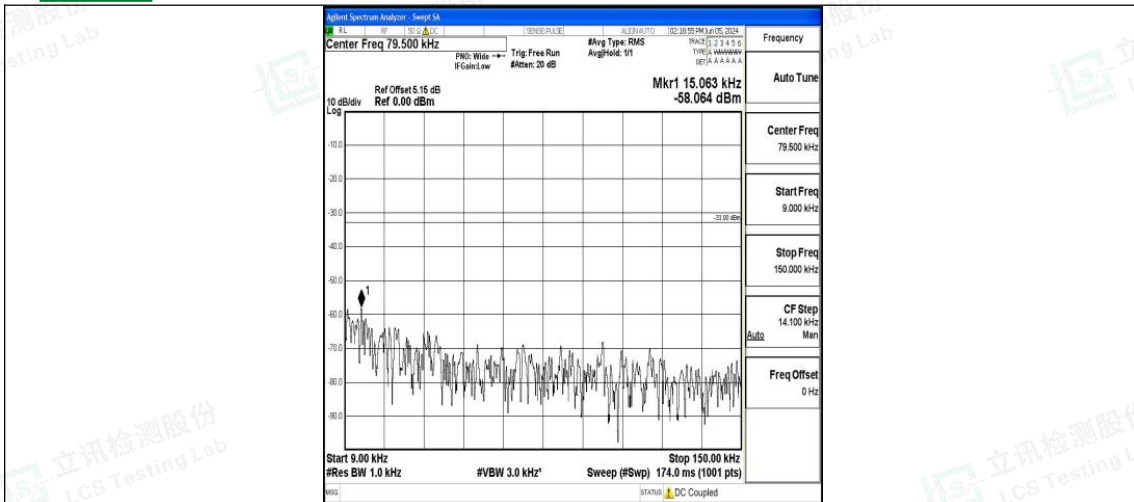


Band12_1.4MHz_16QAM_23095_1RB#0_1000~3000_1000~3000

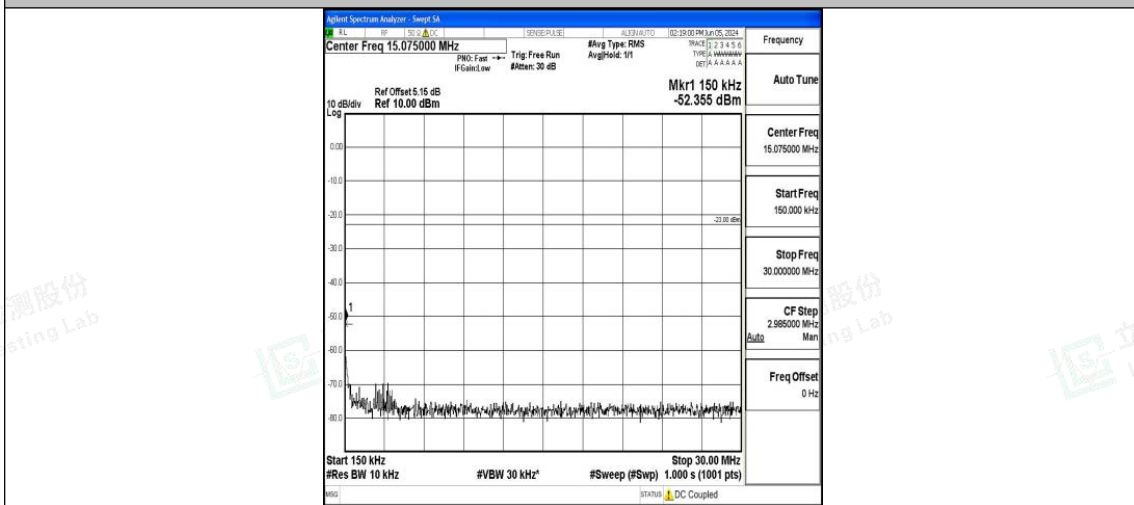


Band12_1.4MHz_16QAM_23095_1RB#0_3000~10000_3000~10000

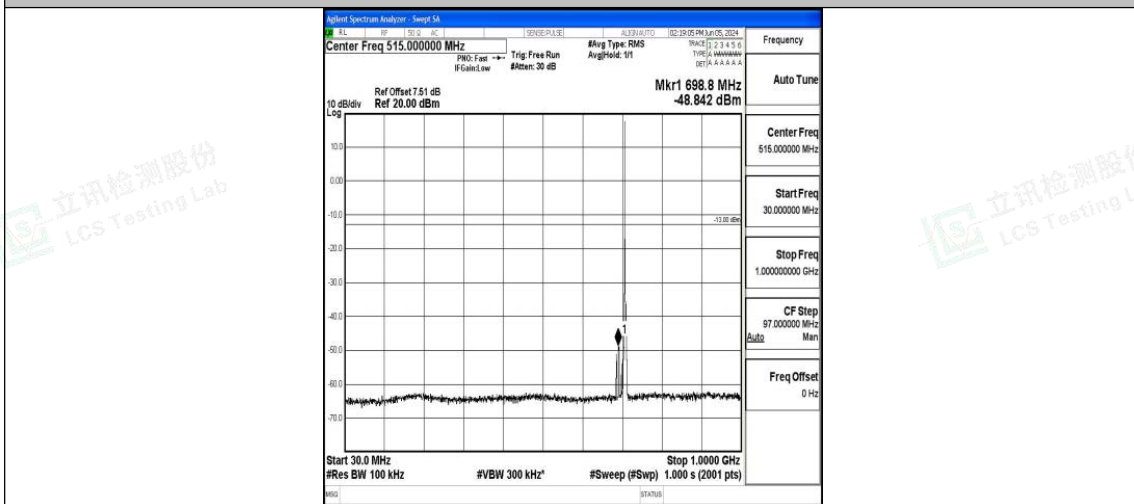




Band12_1.4MHz_QPSK_23173_1RB#0_0.009~0.15_0.009~0.15

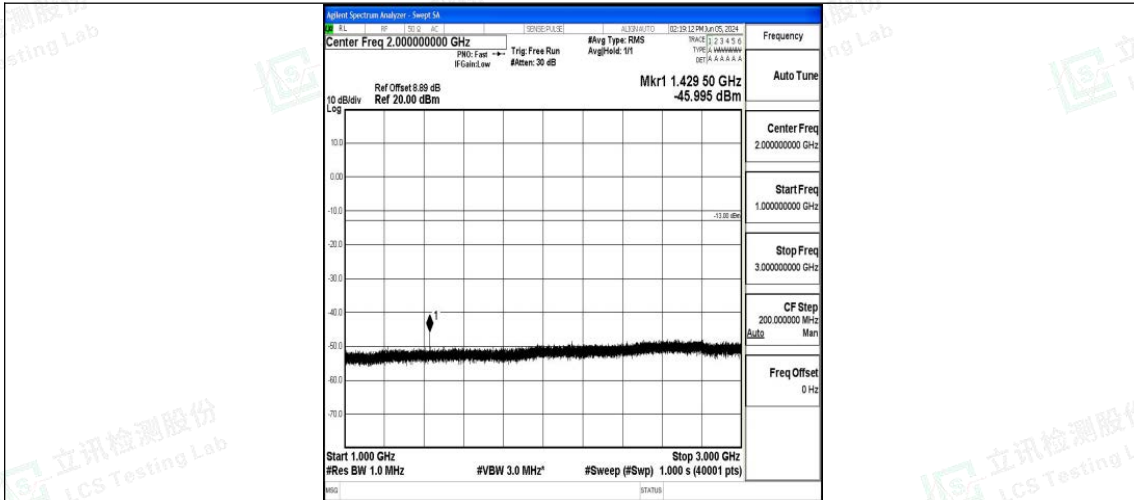


Band12_1.4MHz_QPSK_23173_1RB#0_0.15~30_0.15~30

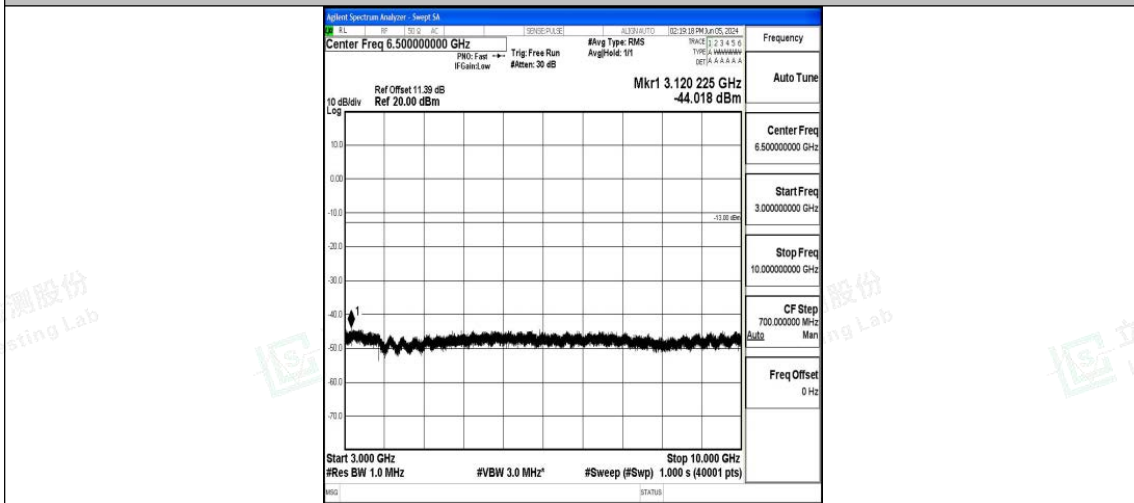


Band12_1.4MHz_QPSK_23173_1RB#0_30~1000_30~1000

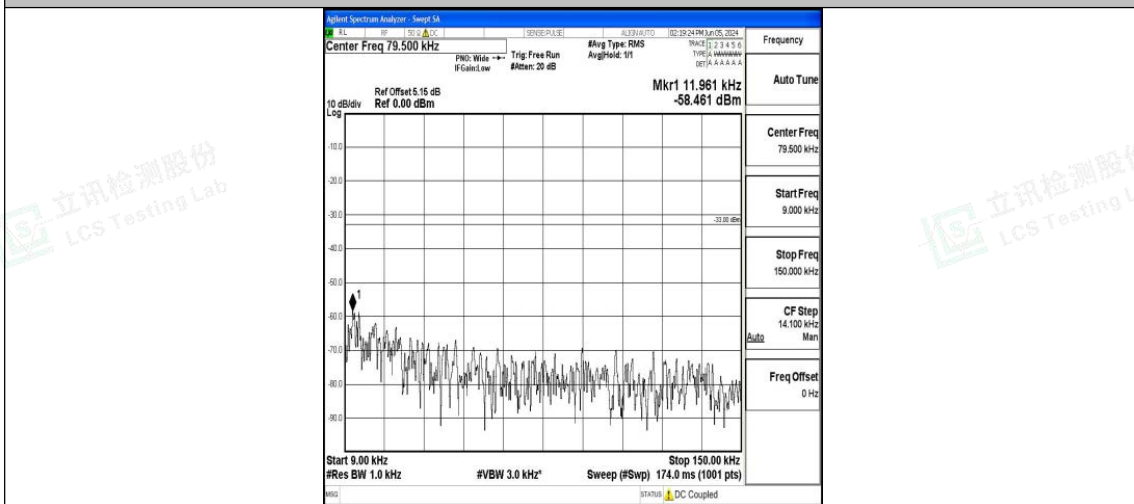




Band12_1.4MHz_QPSK_23173_1RB#0_1000~3000_1000~3000

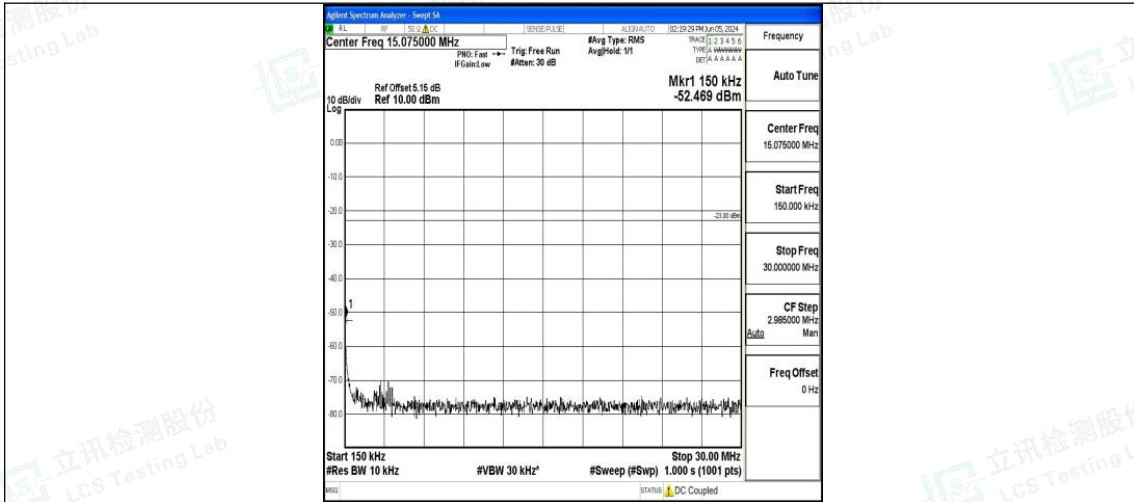


Band12_1.4MHz_QPSK_23173_1RB#0_3000~10000_3000~10000

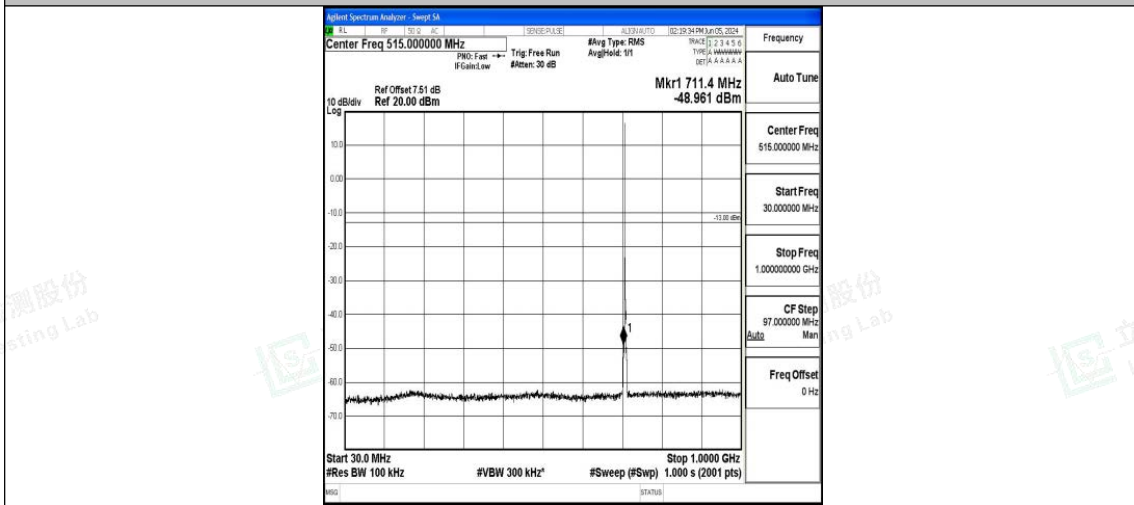


Band12_1.4MHz_16QAM_23173_1RB#0_0.009~0.15_0.009~0.15

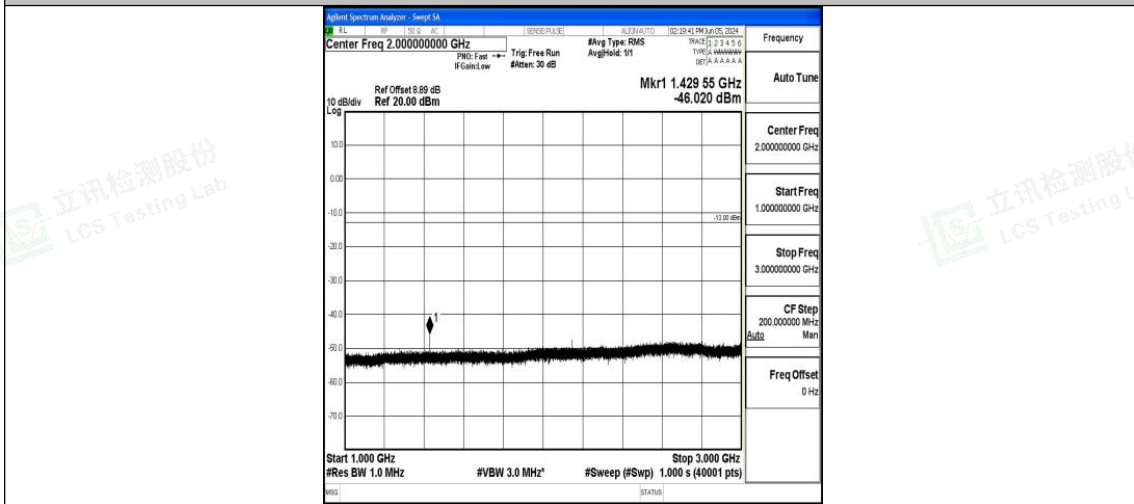




Band12_1.4MHz_16QAM_23173_1RB#0_0.15~30_0.15~30

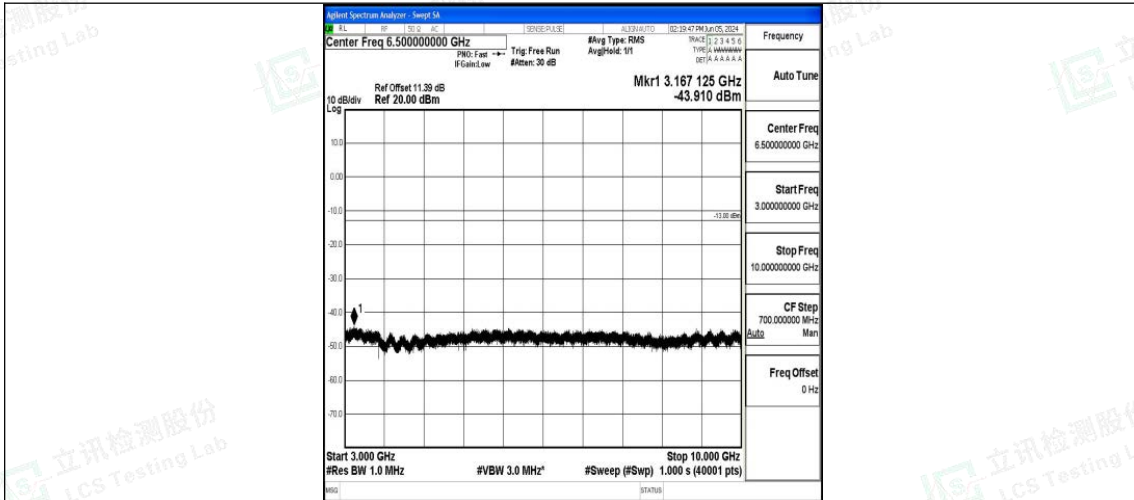


Band12_1.4MHz_16QAM_23173_1RB#0_30~1000_30~1000

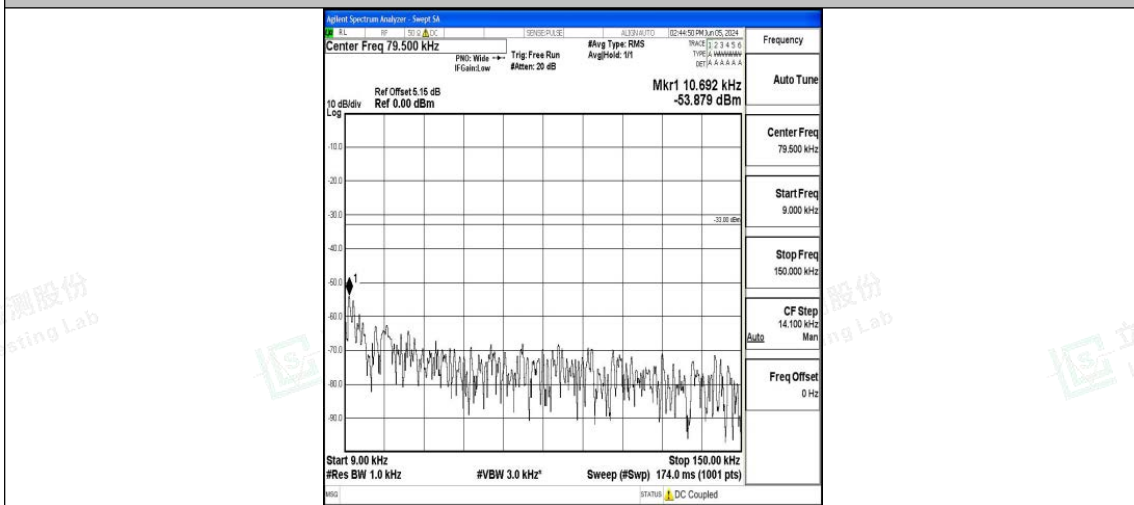


Band12_1.4MHz_16QAM_23173_1RB#0_1000~3000_1000~3000

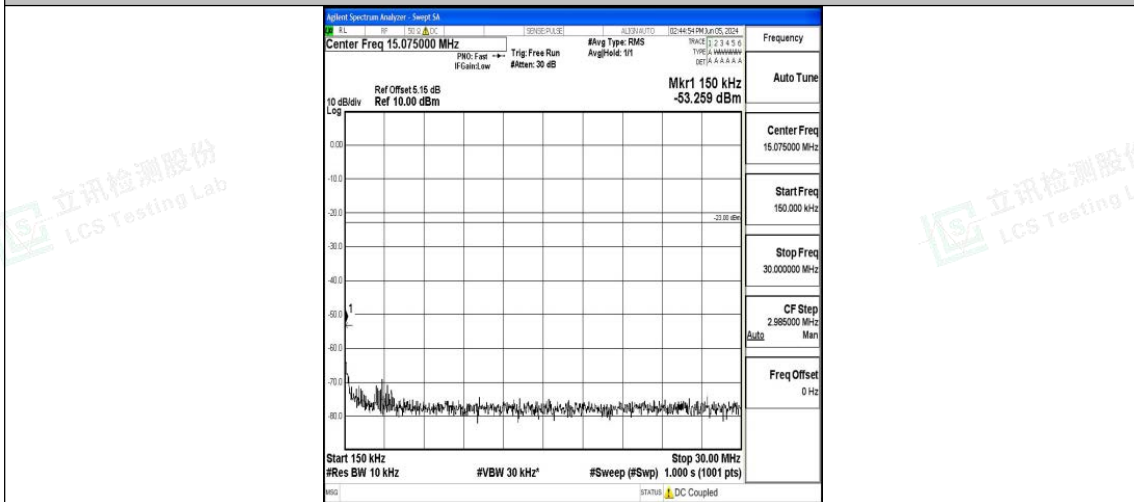




Band12_1.4MHz_16QAM_23173_1RB#0_3000~10000_3000~10000

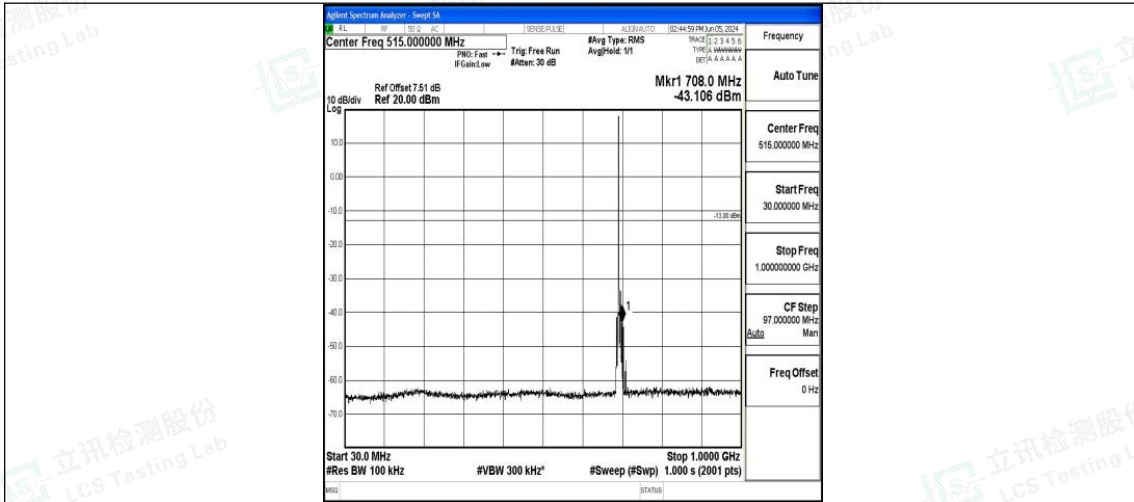


Band12_3MHz_QPSK_23025_1RB#0_0.009~0.15_0.009~0.15

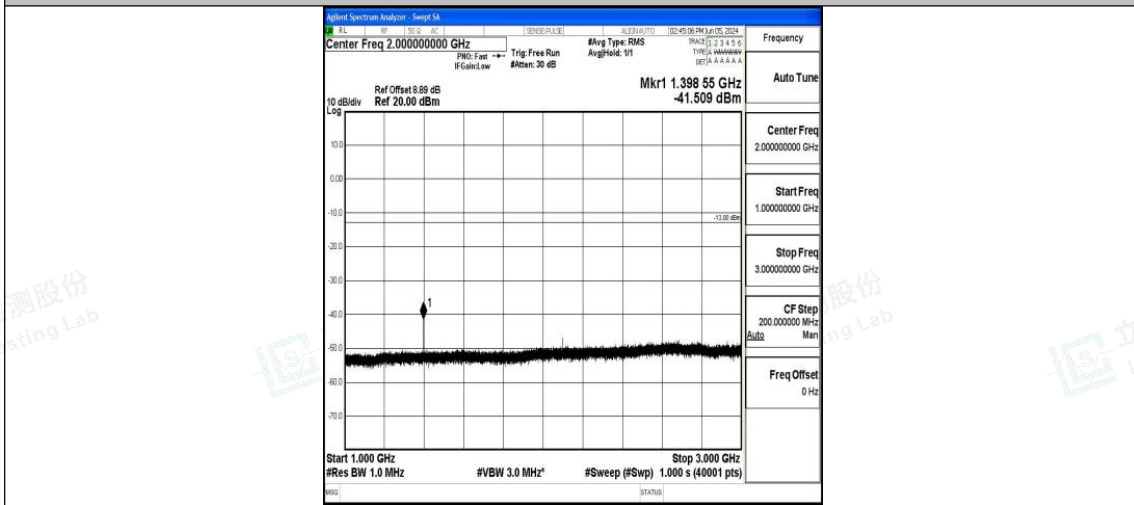


Band12_3MHz_QPSK_23025_1RB#0_0.15~30_0.15~30

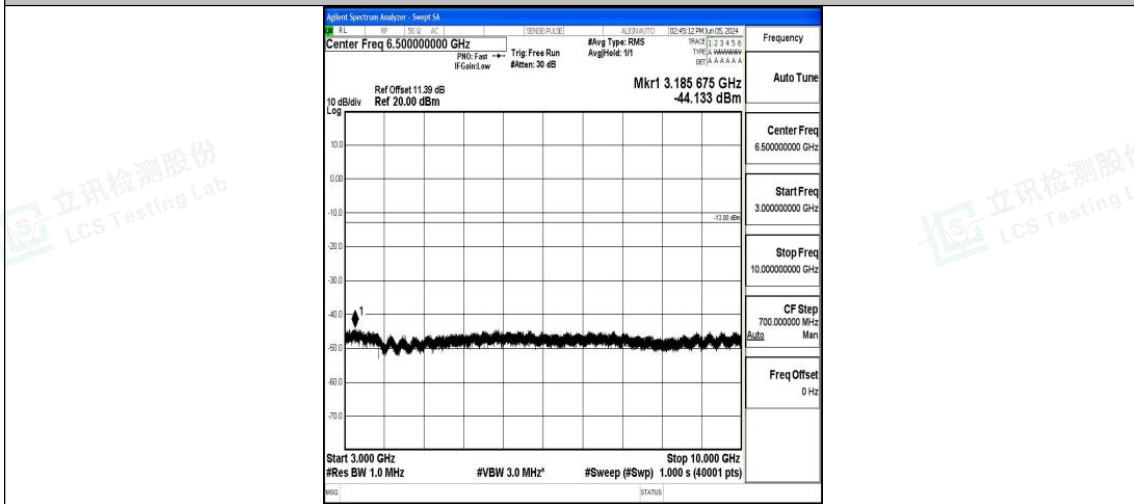




Band12_3MHz_QPSK_23025_1RB#0_30~1000_30~1000



Band12_3MHz_QPSK_23025_1RB#0_1000~3000_1000~3000



Band12_3MHz_QPSK_23025_1RB#0_3000~10000_3000~10000

