



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

**Product Name: Smartphone**

**Test Model: 65PA1-1**

### Environmental Conditions

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





## I.1 Conducted Power Output Data

### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	23.73	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	23.36	PASS
Band12	1.4MHz	QPSK	23017	1RB#2	23.67	PASS
Band12	1.4MHz	16QAM	23017	1RB#2	23.39	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	23.72	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	23.43	PASS
Band12	1.4MHz	QPSK	23017	3RB#0	23.91	PASS
Band12	1.4MHz	16QAM	23017	3RB#0	22.52	PASS
Band12	1.4MHz	QPSK	23017	3RB#1	23.89	PASS
Band12	1.4MHz	16QAM	23017	3RB#1	22.50	PASS
Band12	1.4MHz	QPSK	23017	3RB#3	23.96	PASS
Band12	1.4MHz	16QAM	23017	3RB#3	22.54	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	22.83	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	22.01	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	23.60	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	22.54	PASS
Band12	1.4MHz	QPSK	23095	1RB#2	23.50	PASS
Band12	1.4MHz	16QAM	23095	1RB#2	22.74	PASS
Band12	1.4MHz	QPSK	23095	1RB#5	23.51	PASS
Band12	1.4MHz	16QAM	23095	1RB#5	22.56	PASS
Band12	1.4MHz	QPSK	23095	3RB#0	23.64	PASS
Band12	1.4MHz	16QAM	23095	3RB#0	22.80	PASS
Band12	1.4MHz	QPSK	23095	3RB#1	23.77	PASS
Band12	1.4MHz	16QAM	23095	3RB#1	22.72	PASS
Band12	1.4MHz	QPSK	23095	3RB#3	23.76	PASS
Band12	1.4MHz	16QAM	23095	3RB#3	22.75	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	22.69	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	21.89	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	23.45	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	22.91	PASS
Band12	1.4MHz	QPSK	23173	1RB#2	23.38	PASS
Band12	1.4MHz	16QAM	23173	1RB#2	22.92	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	23.34	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	22.95	PASS
Band12	1.4MHz	QPSK	23173	3RB#0	23.39	PASS
Band12	1.4MHz	16QAM	23173	3RB#0	22.25	PASS





Band12	1.4MHz	QPSK	23173	3RB#1	23.42	PASS
Band12	1.4MHz	16QAM	23173	3RB#1	22.25	PASS
Band12	1.4MHz	QPSK	23173	3RB#3	23.32	PASS
Band12	1.4MHz	16QAM	23173	3RB#3	22.28	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	22.37	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	21.51	PASS
Band12	3MHz	QPSK	23025	1RB#0	23.70	PASS
Band12	3MHz	16QAM	23025	1RB#0	22.75	PASS
Band12	3MHz	QPSK	23025	1RB#8	23.75	PASS
Band12	3MHz	16QAM	23025	1RB#8	22.64	PASS
Band12	3MHz	QPSK	23025	1RB#14	23.74	PASS
Band12	3MHz	16QAM	23025	1RB#14	22.77	PASS
Band12	3MHz	QPSK	23025	8RB#0	22.81	PASS
Band12	3MHz	16QAM	23025	8RB#0	21.85	PASS
Band12	3MHz	QPSK	23025	8RB#4	22.81	PASS
Band12	3MHz	16QAM	23025	8RB#4	21.85	PASS
Band12	3MHz	QPSK	23025	8RB#7	22.76	PASS
Band12	3MHz	16QAM	23025	8RB#7	21.85	PASS
Band12	3MHz	QPSK	23025	15RB#0	22.82	PASS
Band12	3MHz	16QAM	23025	15RB#0	21.81	PASS
Band12	3MHz	QPSK	23095	1RB#0	23.65	PASS
Band12	3MHz	16QAM	23095	1RB#0	22.54	PASS
Band12	3MHz	QPSK	23095	1RB#8	23.57	PASS
Band12	3MHz	16QAM	23095	1RB#8	22.53	PASS
Band12	3MHz	QPSK	23095	1RB#14	23.60	PASS
Band12	3MHz	16QAM	23095	1RB#14	22.26	PASS
Band12	3MHz	QPSK	23095	8RB#0	22.59	PASS
Band12	3MHz	16QAM	23095	8RB#0	21.81	PASS
Band12	3MHz	QPSK	23095	8RB#4	22.59	PASS
Band12	3MHz	16QAM	23095	8RB#4	21.79	PASS
Band12	3MHz	QPSK	23095	8RB#7	22.72	PASS
Band12	3MHz	16QAM	23095	8RB#7	21.90	PASS
Band12	3MHz	QPSK	23095	15RB#0	22.75	PASS
Band12	3MHz	16QAM	23095	15RB#0	21.70	PASS
Band12	3MHz	QPSK	23165	1RB#0	23.52	PASS
Band12	3MHz	16QAM	23165	1RB#0	22.60	PASS
Band12	3MHz	QPSK	23165	1RB#8	23.49	PASS
Band12	3MHz	16QAM	23165	1RB#8	22.41	PASS
Band12	3MHz	QPSK	23165	1RB#14	23.37	PASS
Band12	3MHz	16QAM	23165	1RB#14	22.54	PASS





Band12	3MHz	QPSK	23165	8RB#0	22.39	PASS
Band12	3MHz	16QAM	23165	8RB#0	21.40	PASS
Band12	3MHz	QPSK	23165	8RB#4	22.38	PASS
Band12	3MHz	16QAM	23165	8RB#4	21.39	PASS
Band12	3MHz	QPSK	23165	8RB#7	22.18	PASS
Band12	3MHz	16QAM	23165	8RB#7	21.32	PASS
Band12	3MHz	QPSK	23165	15RB#0	22.31	PASS
Band12	3MHz	16QAM	23165	15RB#0	21.35	PASS
Band12	5MHz	QPSK	23035	1RB#0	23.87	PASS
Band12	5MHz	16QAM	23035	1RB#0	22.11	PASS
Band12	5MHz	QPSK	23035	1RB#12	23.82	PASS
Band12	5MHz	16QAM	23035	1RB#12	22.10	PASS
Band12	5MHz	QPSK	23035	1RB#24	23.82	PASS
Band12	5MHz	16QAM	23035	1RB#24	22.07	PASS
Band12	5MHz	QPSK	23035	12RB#0	22.78	PASS
Band12	5MHz	16QAM	23035	12RB#0	21.78	PASS
Band12	5MHz	QPSK	23035	12RB#6	22.80	PASS
Band12	5MHz	16QAM	23035	12RB#6	21.78	PASS
Band12	5MHz	QPSK	23035	12RB#13	22.85	PASS
Band12	5MHz	16QAM	23035	12RB#13	21.67	PASS
Band12	5MHz	QPSK	23035	25RB#0	22.82	PASS
Band12	5MHz	16QAM	23035	25RB#0	21.86	PASS
Band12	5MHz	QPSK	23095	1RB#0	23.74	PASS
Band12	5MHz	16QAM	23095	1RB#0	22.58	PASS
Band12	5MHz	QPSK	23095	1RB#12	23.64	PASS
Band12	5MHz	16QAM	23095	1RB#12	22.51	PASS
Band12	5MHz	QPSK	23095	1RB#24	23.62	PASS
Band12	5MHz	16QAM	23095	1RB#24	22.45	PASS
Band12	5MHz	QPSK	23095	12RB#0	22.61	PASS
Band12	5MHz	16QAM	23095	12RB#0	21.69	PASS
Band12	5MHz	QPSK	23095	12RB#6	22.62	PASS
Band12	5MHz	16QAM	23095	12RB#6	21.69	PASS
Band12	5MHz	QPSK	23095	12RB#13	22.67	PASS
Band12	5MHz	16QAM	23095	12RB#13	21.62	PASS
Band12	5MHz	QPSK	23095	25RB#0	22.72	PASS
Band12	5MHz	16QAM	23095	25RB#0	21.60	PASS
Band12	5MHz	QPSK	23155	1RB#0	23.53	PASS
Band12	5MHz	16QAM	23155	1RB#0	22.48	PASS
Band12	5MHz	QPSK	23155	1RB#12	23.56	PASS
Band12	5MHz	16QAM	23155	1RB#12	22.37	PASS





Band12	5MHz	QPSK	23155	1RB#24	23.45	PASS
Band12	5MHz	16QAM	23155	1RB#24	22.27	PASS
Band12	5MHz	QPSK	23155	12RB#0	22.39	PASS
Band12	5MHz	16QAM	23155	12RB#0	21.41	PASS
Band12	5MHz	QPSK	23155	12RB#6	22.46	PASS
Band12	5MHz	16QAM	23155	12RB#6	21.41	PASS
Band12	5MHz	QPSK	23155	12RB#13	22.38	PASS
Band12	5MHz	16QAM	23155	12RB#13	21.43	PASS
Band12	5MHz	QPSK	23155	25RB#0	22.35	PASS
Band12	5MHz	16QAM	23155	25RB#0	21.54	PASS
Band12	10MHz	QPSK	23060	1RB#0	23.76	PASS
Band12	10MHz	16QAM	23060	1RB#0	22.74	PASS
Band12	10MHz	QPSK	23060	1RB#24	23.77	PASS
Band12	10MHz	16QAM	23060	1RB#24	22.59	PASS
Band12	10MHz	QPSK	23060	1RB#49	23.62	PASS
Band12	10MHz	16QAM	23060	1RB#49	22.62	PASS
Band12	10MHz	QPSK	23060	25RB#0	22.75	PASS
Band12	10MHz	16QAM	23060	25RB#0	21.73	PASS
Band12	10MHz	QPSK	23060	25RB#12	22.77	PASS
Band12	10MHz	16QAM	23060	25RB#12	21.74	PASS
Band12	10MHz	QPSK	23060	25RB#25	22.80	PASS
Band12	10MHz	16QAM	23060	25RB#25	21.77	PASS
Band12	10MHz	QPSK	23060	50RB#0	22.76	PASS
Band12	10MHz	16QAM	23060	50RB#0	21.73	PASS
Band12	10MHz	QPSK	23095	1RB#0	23.77	PASS
Band12	10MHz	16QAM	23095	1RB#0	22.41	PASS
Band12	10MHz	QPSK	23095	1RB#24	23.58	PASS
Band12	10MHz	16QAM	23095	1RB#24	22.39	PASS
Band12	10MHz	QPSK	23095	1RB#49	23.42	PASS
Band12	10MHz	16QAM	23095	1RB#49	22.20	PASS
Band12	10MHz	QPSK	23095	25RB#0	22.70	PASS
Band12	10MHz	16QAM	23095	25RB#0	21.85	PASS
Band12	10MHz	QPSK	23095	25RB#12	22.70	PASS
Band12	10MHz	16QAM	23095	25RB#12	21.84	PASS
Band12	10MHz	QPSK	23095	25RB#25	22.71	PASS
Band12	10MHz	16QAM	23095	25RB#25	21.71	PASS
Band12	10MHz	QPSK	23095	50RB#0	22.78	PASS
Band12	10MHz	16QAM	23095	50RB#0	21.76	PASS
Band12	10MHz	QPSK	23130	1RB#0	23.88	PASS
Band12	10MHz	16QAM	23130	1RB#0	22.48	PASS





Band12	10MHz	QPSK	23130	1RB#24	23.72	PASS
Band12	10MHz	16QAM	23130	1RB#24	22.39	PASS
Band12	10MHz	QPSK	23130	1RB#49	23.45	PASS
Band12	10MHz	16QAM	23130	1RB#49	22.14	PASS
Band12	10MHz	QPSK	23130	25RB#0	22.69	PASS
Band12	10MHz	16QAM	23130	25RB#0	21.88	PASS
Band12	10MHz	QPSK	23130	25RB#12	22.68	PASS
Band12	10MHz	16QAM	23130	25RB#12	21.84	PASS
Band12	10MHz	QPSK	23130	25RB#25	22.35	PASS
Band12	10MHz	16QAM	23130	25RB#25	21.53	PASS
Band12	10MHz	QPSK	23130	50RB#0	22.47	PASS
Band12	10MHz	16QAM	23130	50RB#0	21.61	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	6RB#0	5.49	13	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	6.06	13	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	5.97	13	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	6.28	13	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	5.40	13	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	5.94	13	PASS
Band12	3MHz	QPSK	23025	15RB#0	5.46	13	PASS
Band12	3MHz	16QAM	23025	15RB#0	6.34	13	PASS
Band12	3MHz	QPSK	23095	15RB#0	5.68	13	PASS
Band12	3MHz	16QAM	23095	15RB#0	6.37	13	PASS
Band12	3MHz	QPSK	23165	15RB#0	5.26	13	PASS
Band12	3MHz	16QAM	23165	15RB#0	6.25	13	PASS
Band12	5MHz	QPSK	23035	25RB#0	5.54	13	PASS
Band12	5MHz	16QAM	23035	25RB#0	6.14	13	PASS
Band12	5MHz	QPSK	23095	25RB#0	5.66	13	PASS
Band12	5MHz	16QAM	23095	25RB#0	6.36	13	PASS
Band12	5MHz	QPSK	23155	25RB#0	5.25	13	PASS
Band12	5MHz	16QAM	23155	25RB#0	6.09	13	PASS
Band12	10MHz	QPSK	23060	50RB#0	5.54	13	PASS
Band12	10MHz	16QAM	23060	50RB#0	6.29	13	PASS
Band12	10MHz	QPSK	23095	50RB#0	5.63	13	PASS
Band12	10MHz	16QAM	23095	50RB#0	6.35	13	PASS
Band12	10MHz	QPSK	23130	50RB#0	5.59	13	PASS
Band12	10MHz	16QAM	23130	50RB#0	6.23	13	PASS



Shenzhen LCS Compliance Testing Laboratory Ltd.

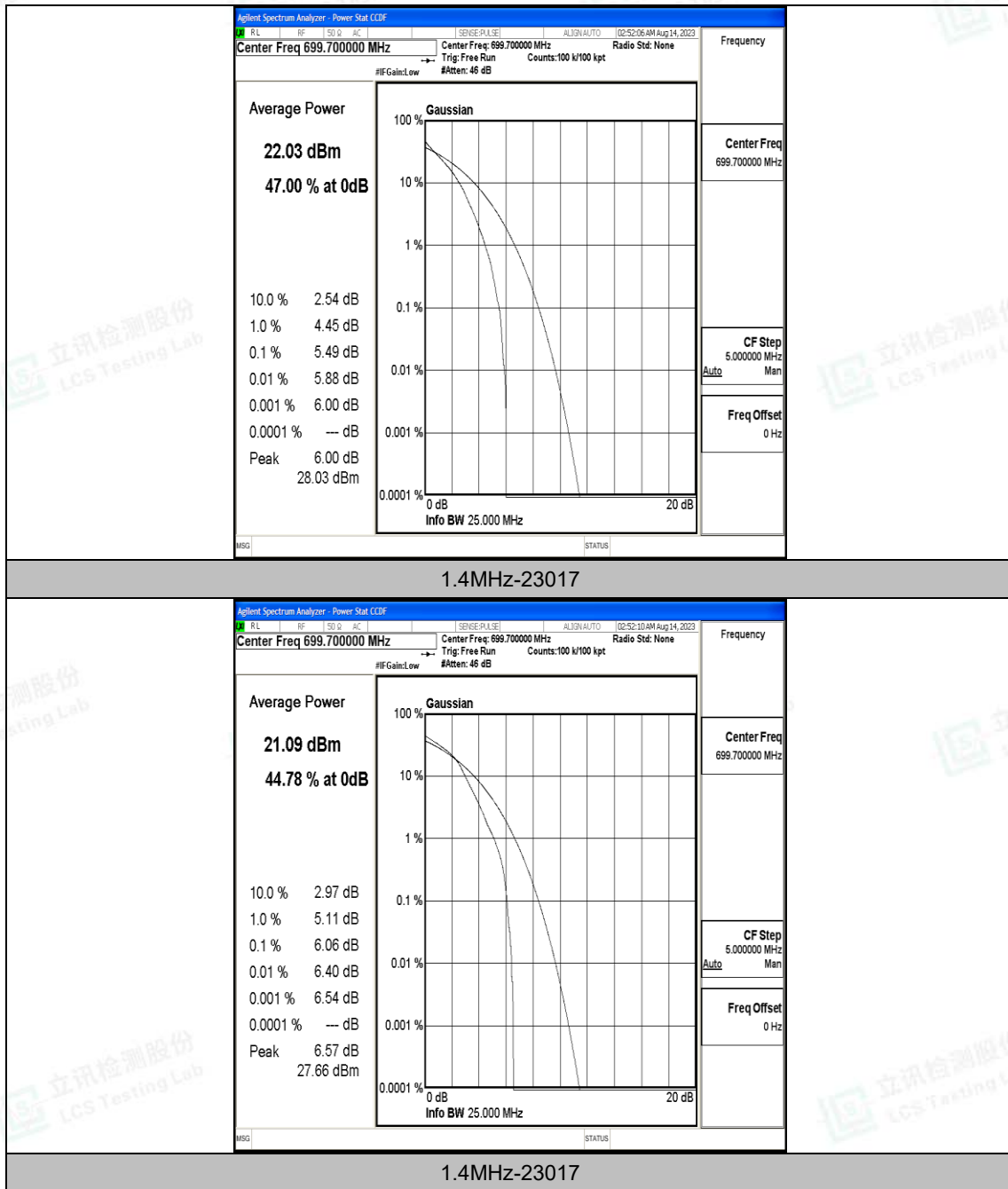
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

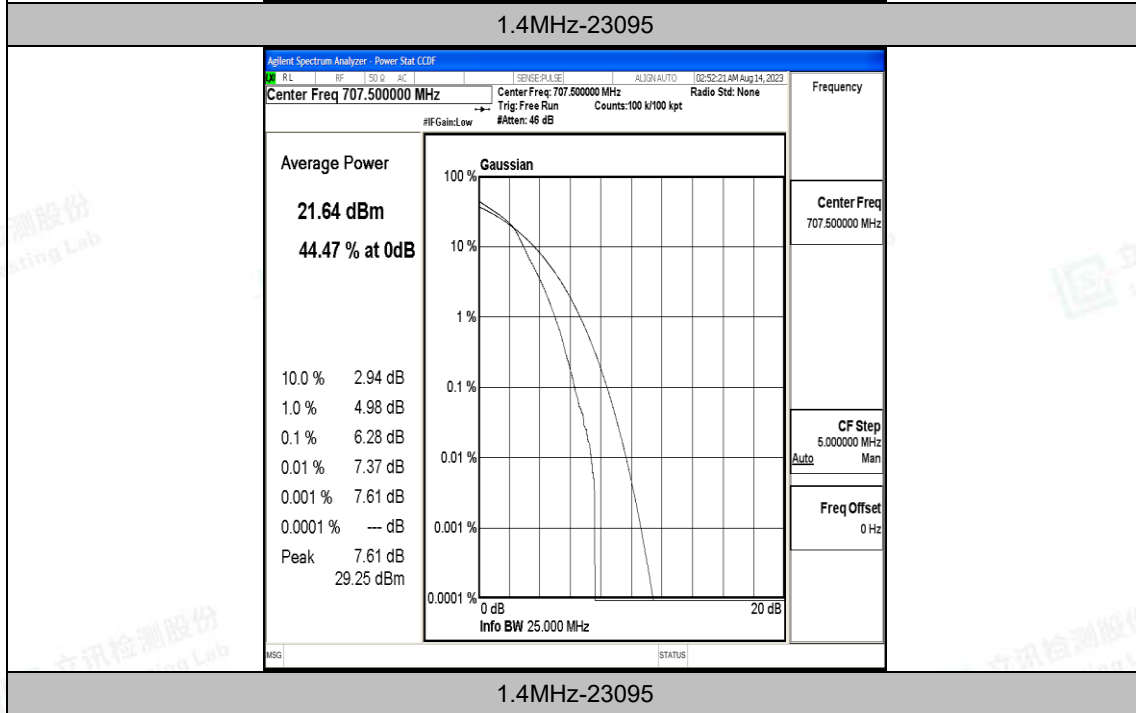
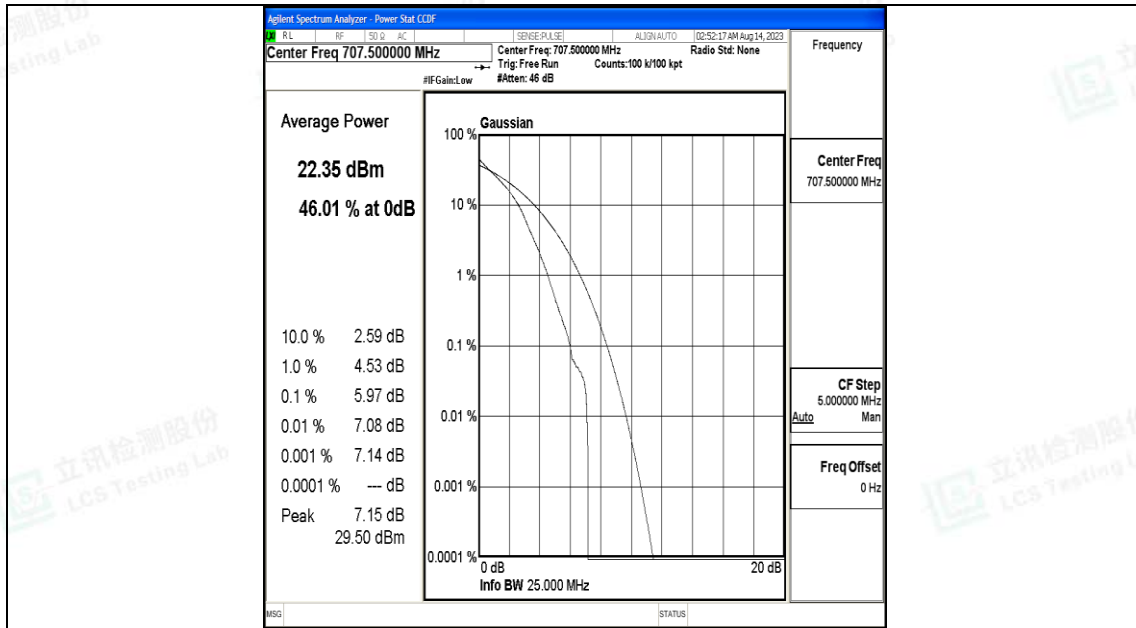
Scan code to check authenticity

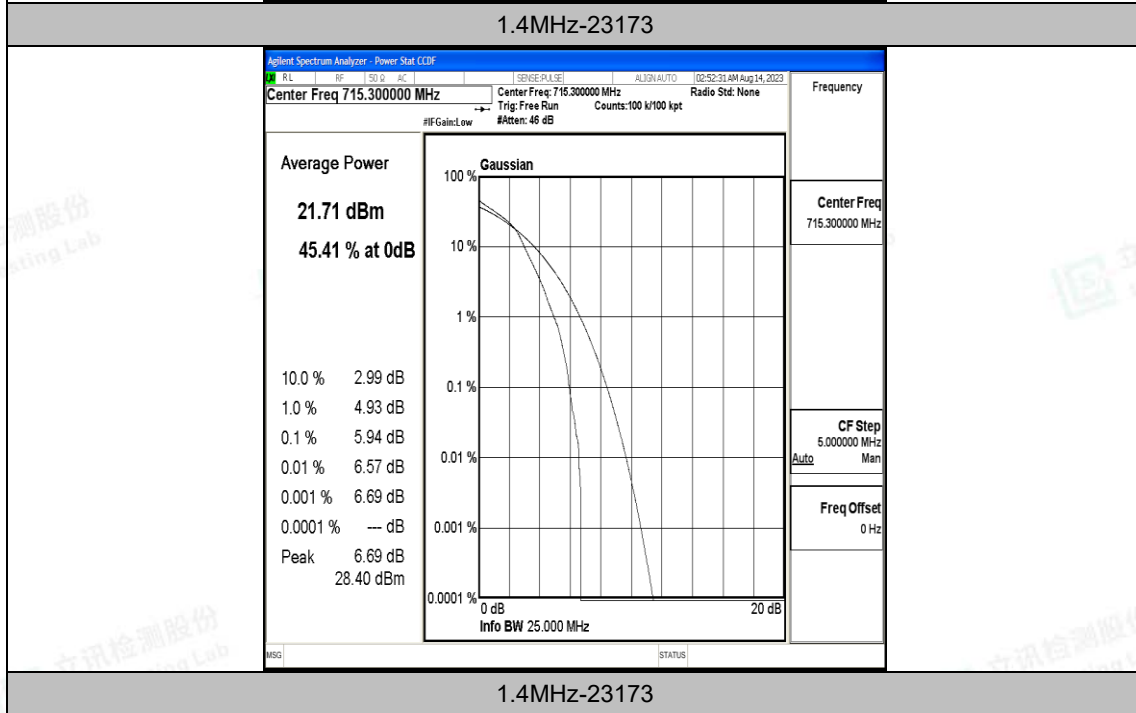
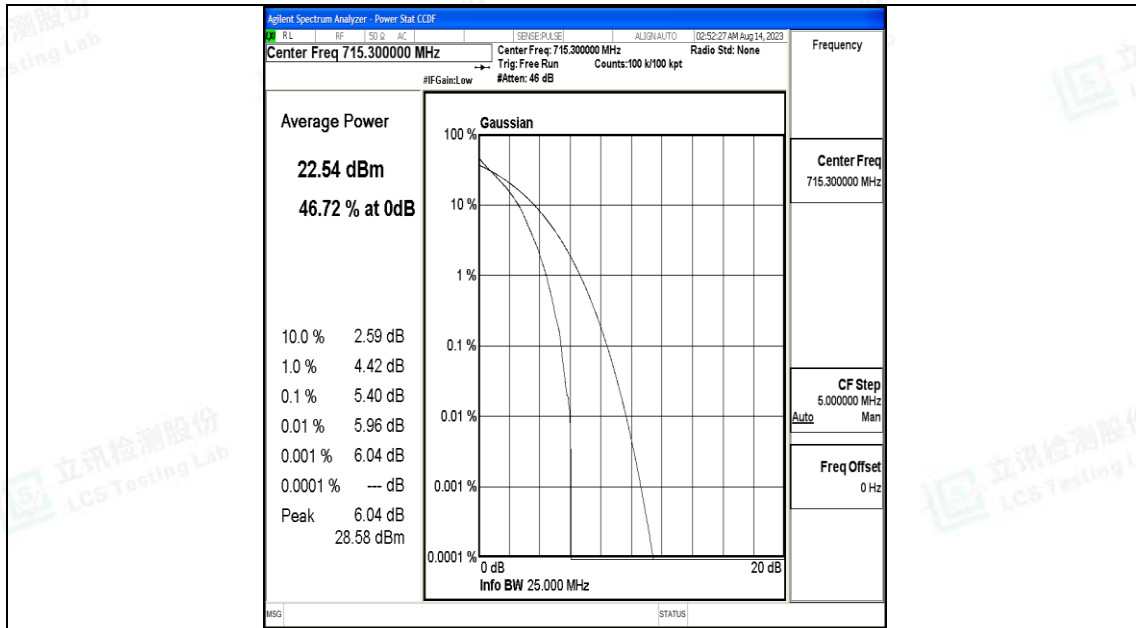


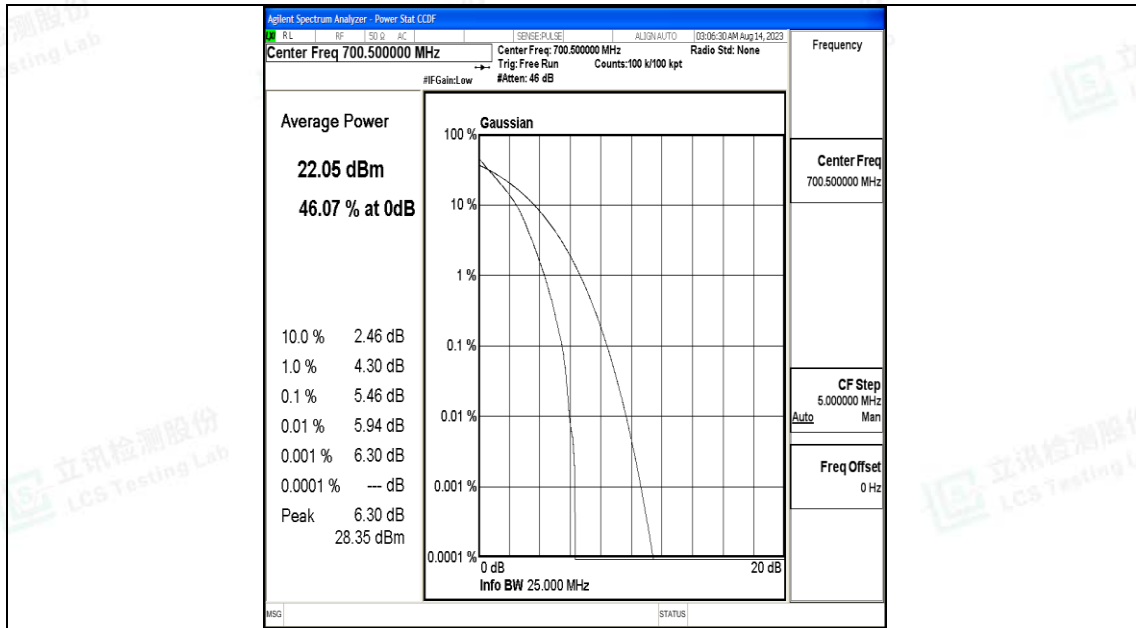
### Test Graphs



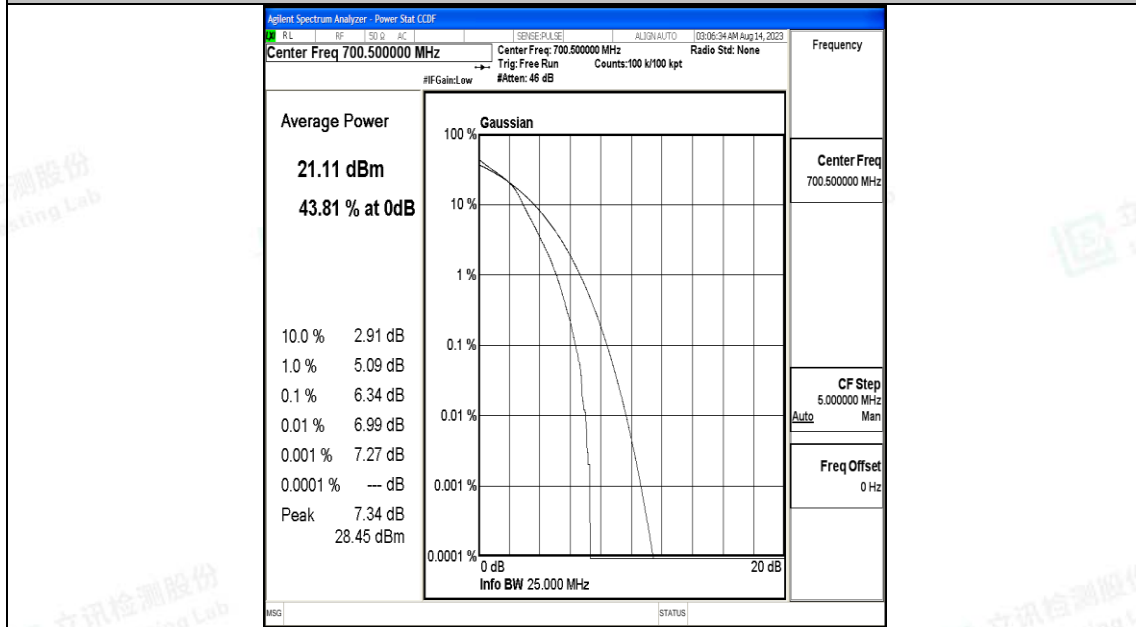






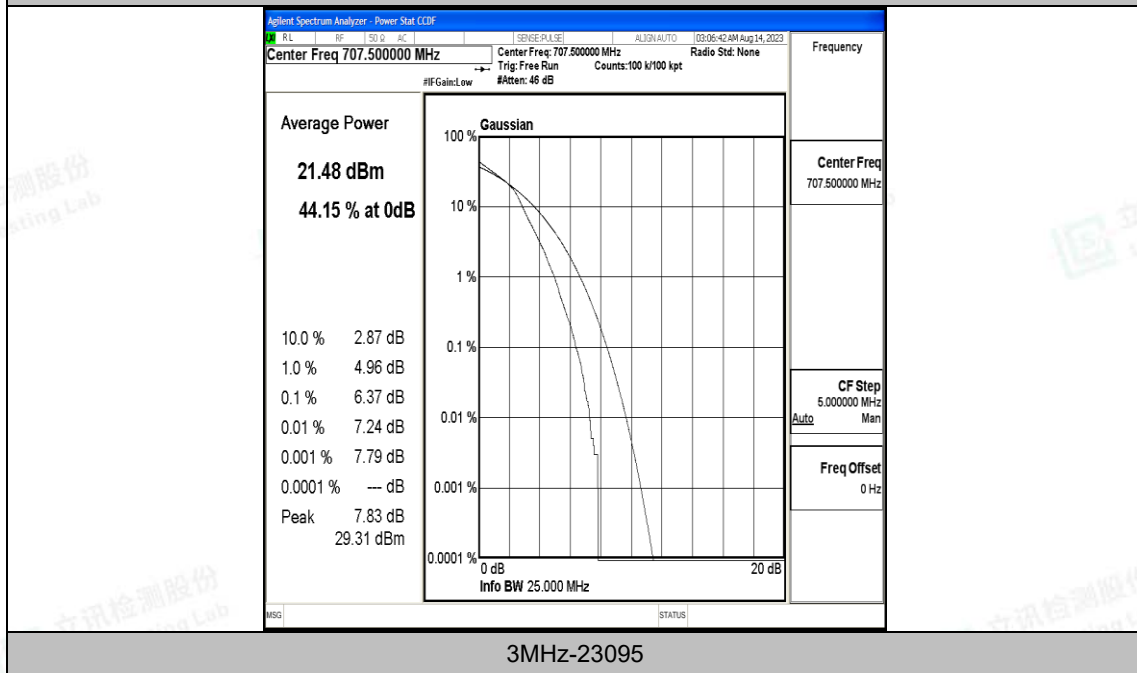
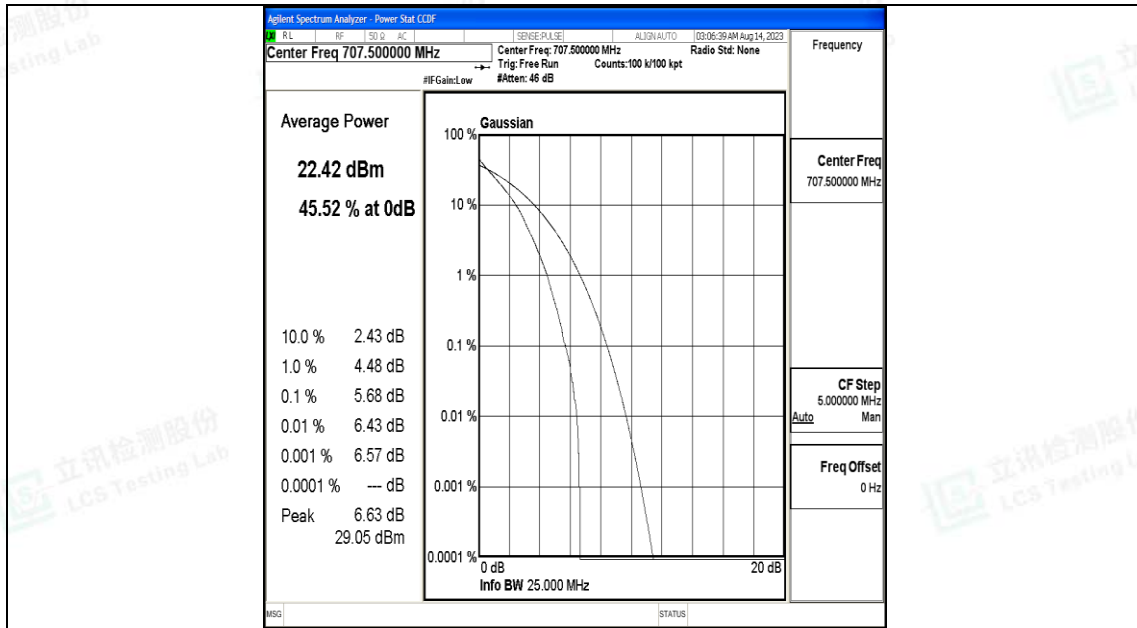


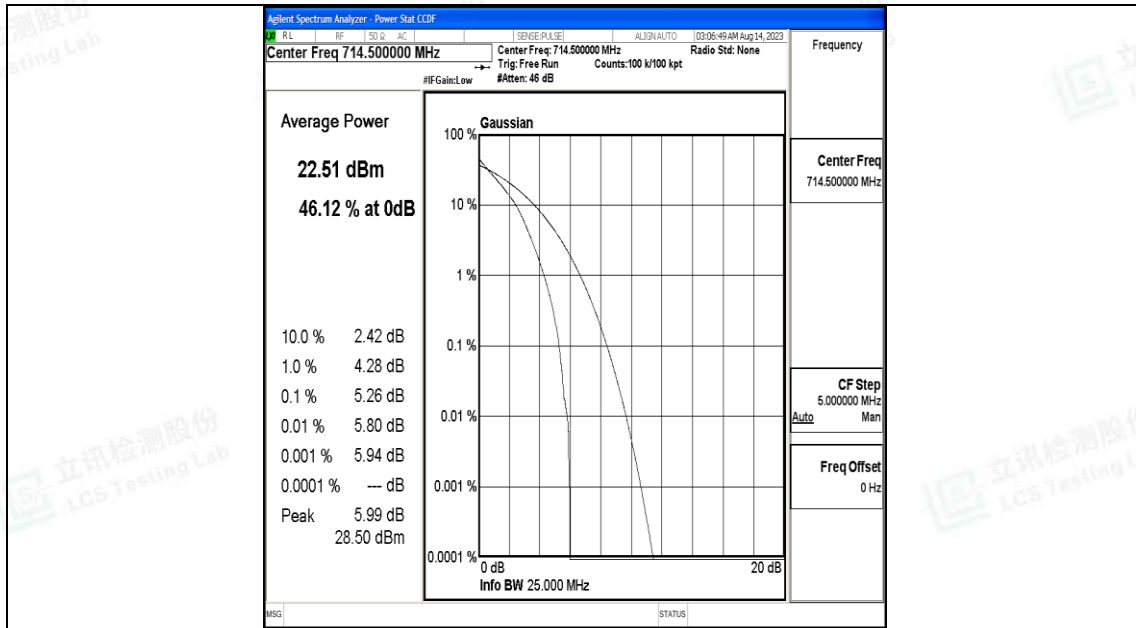
3MHz-23025



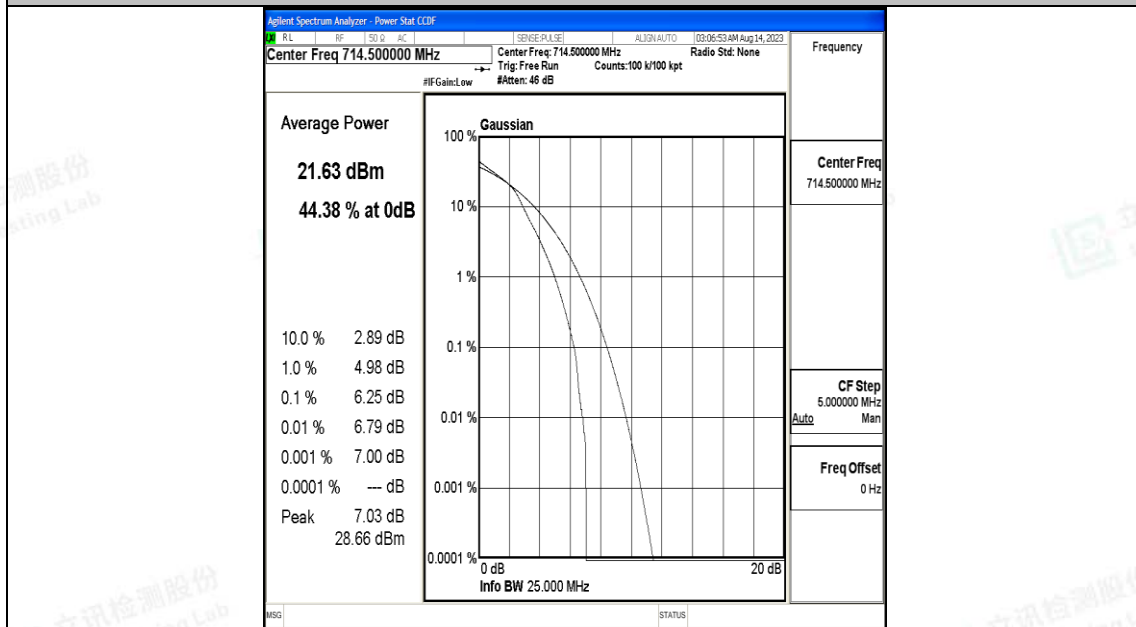
3MHz-23025





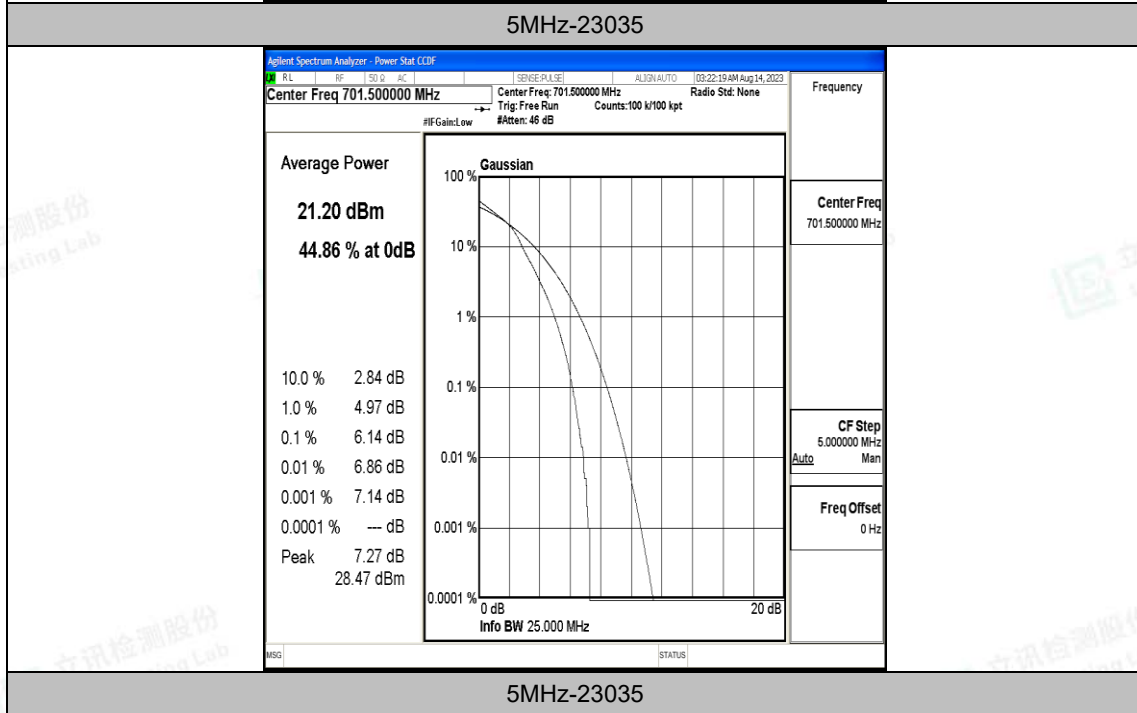
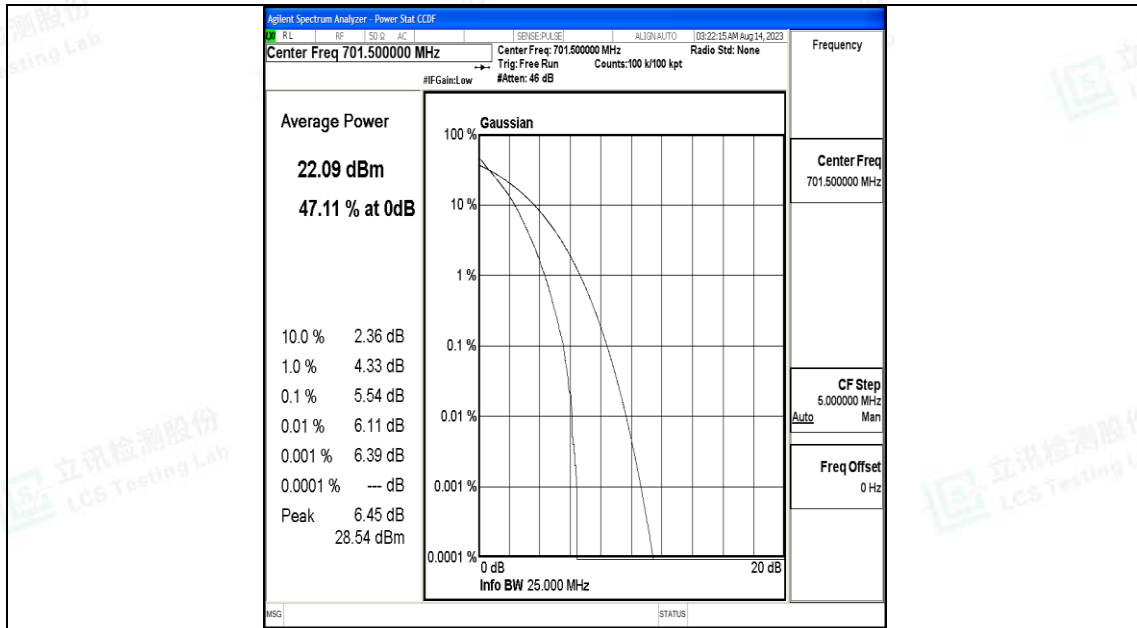


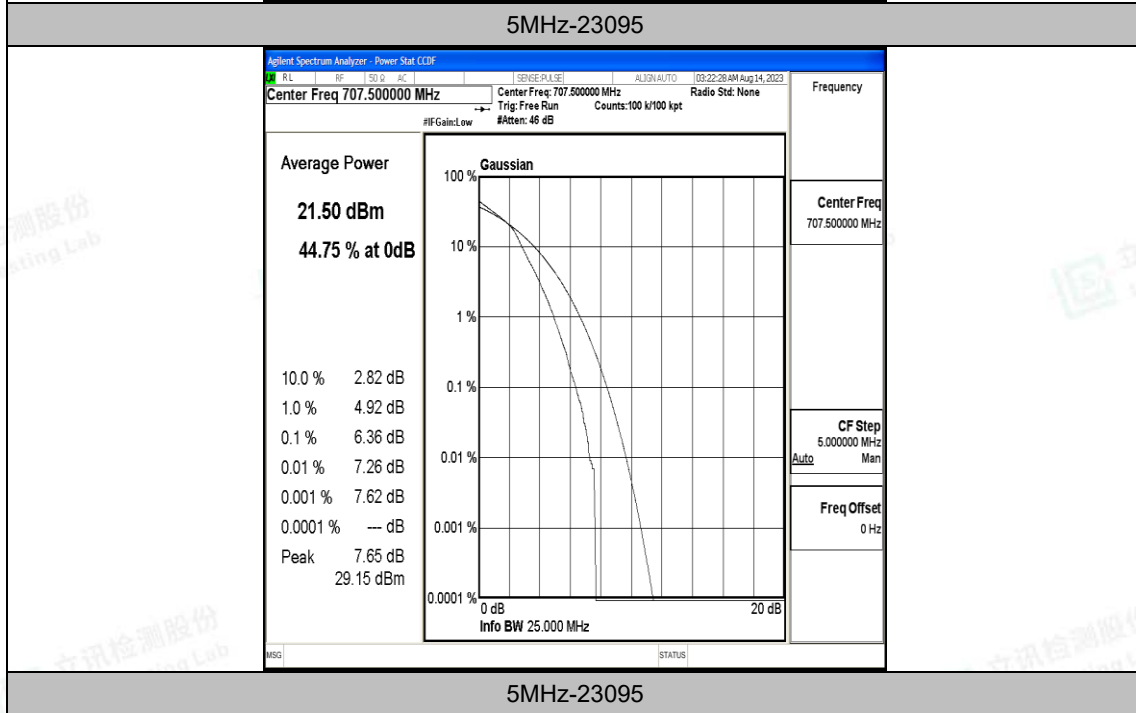
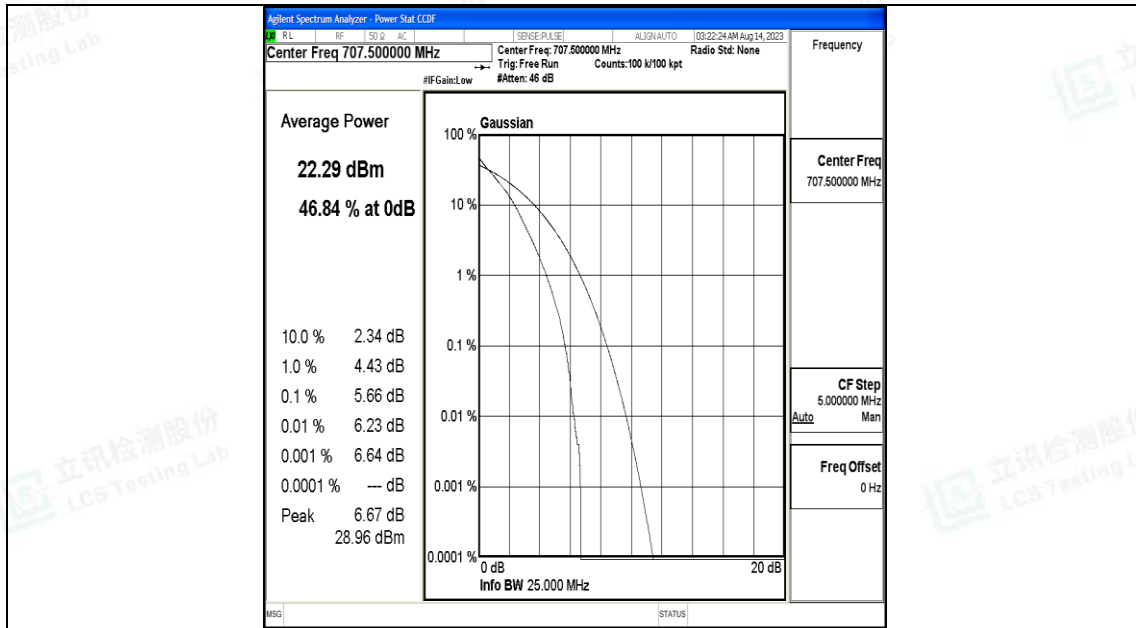
3MHz-23165

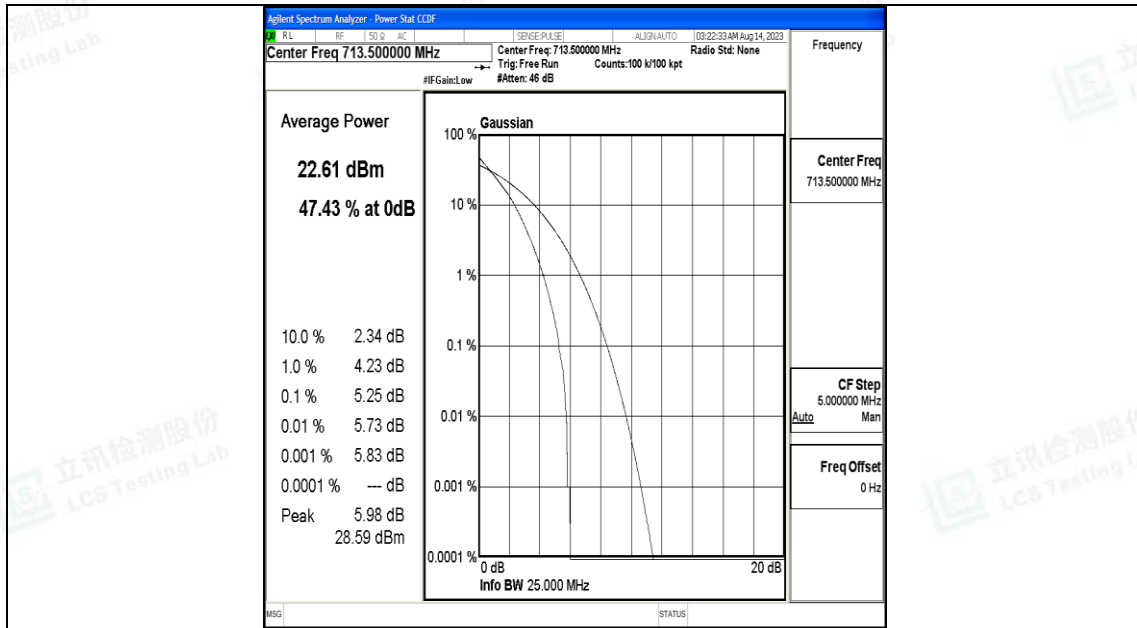


3MHz-23165

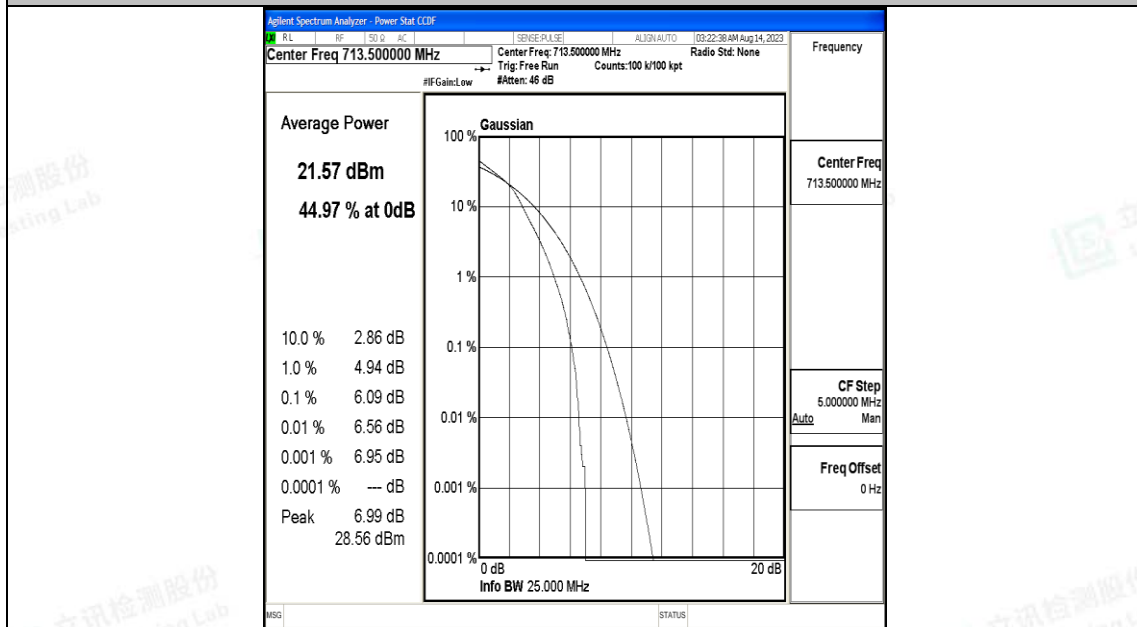








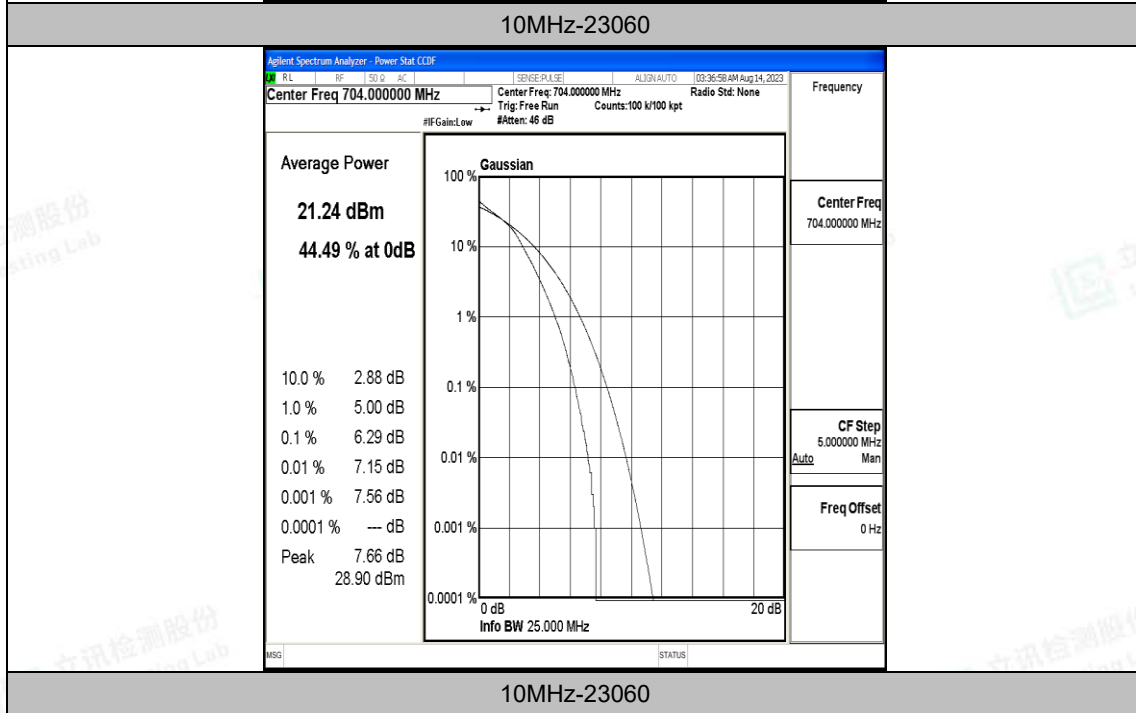
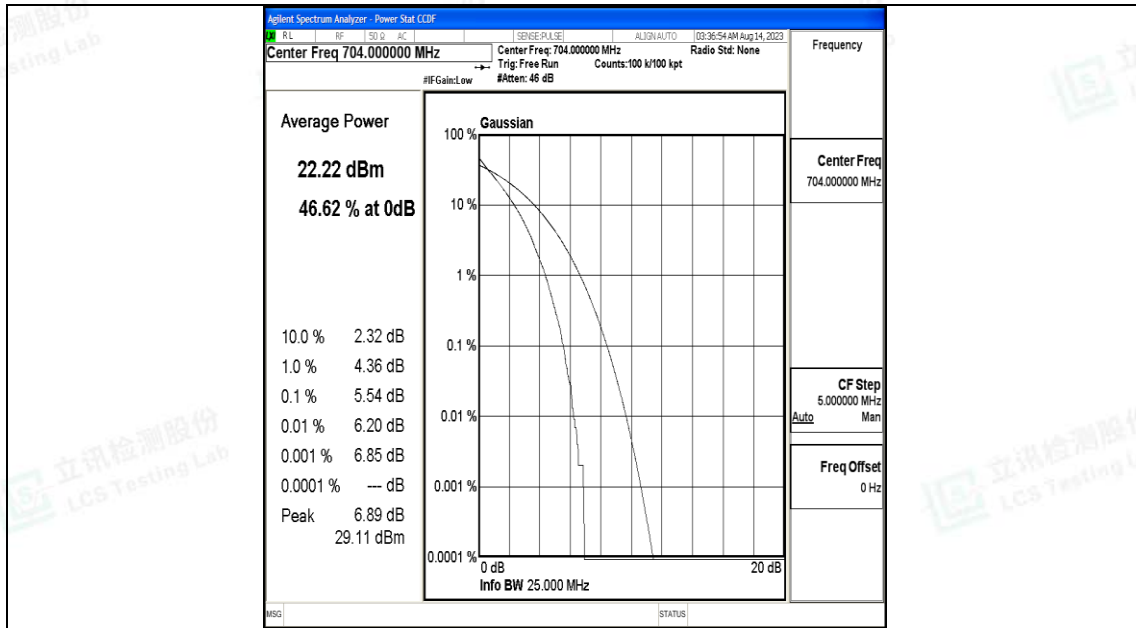
5MHz-23155

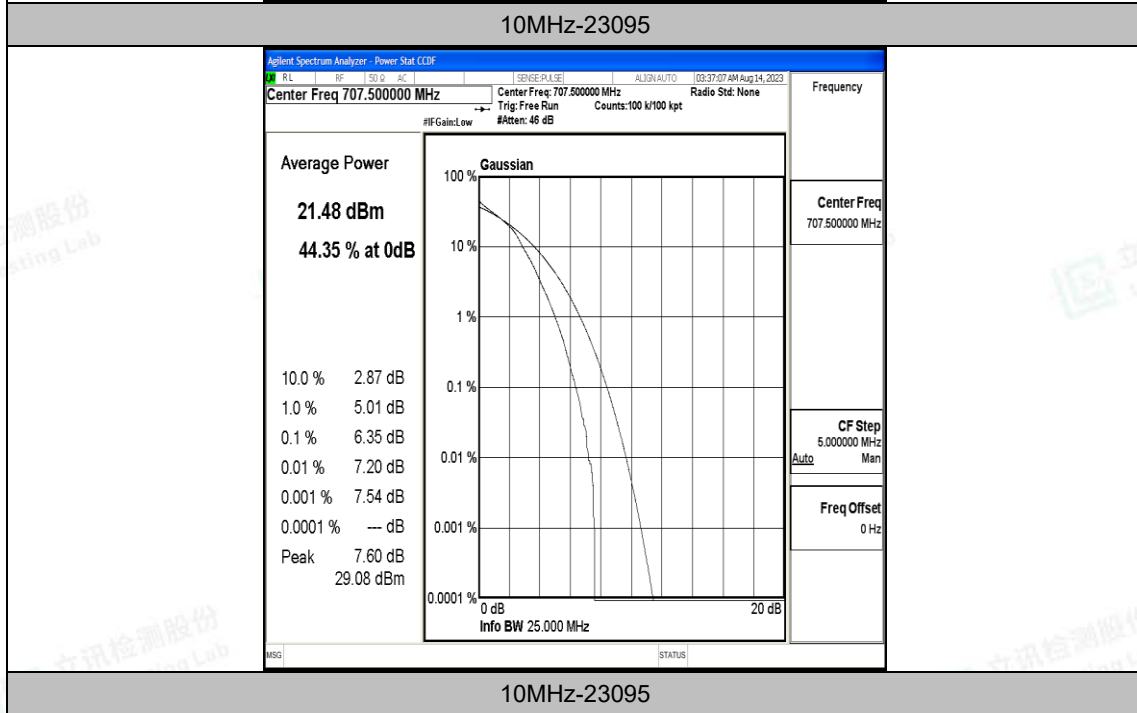
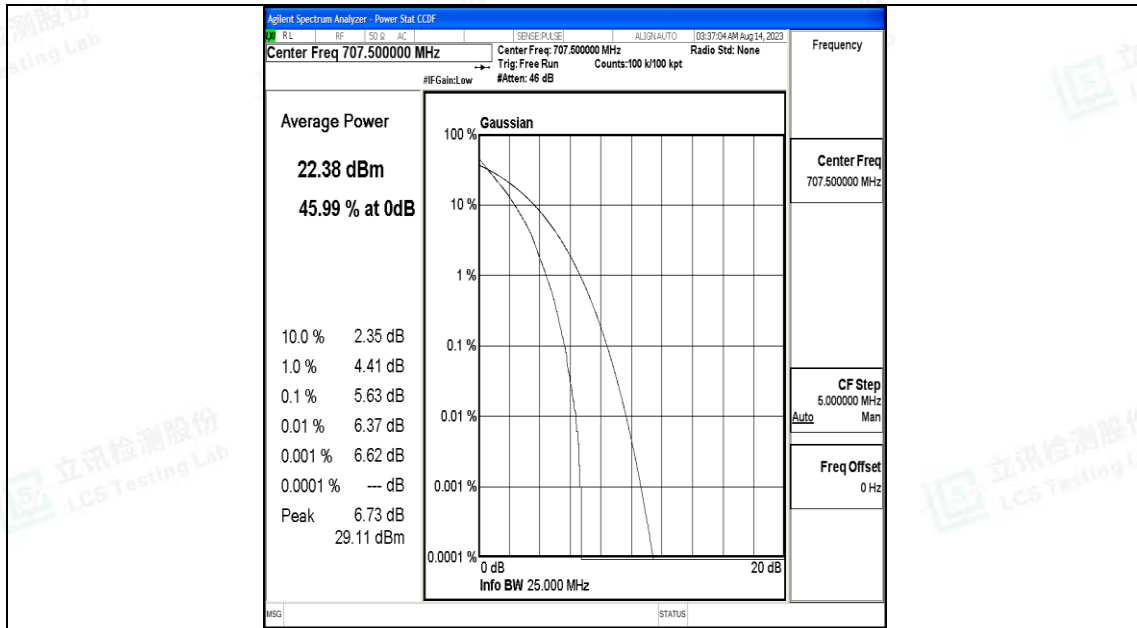


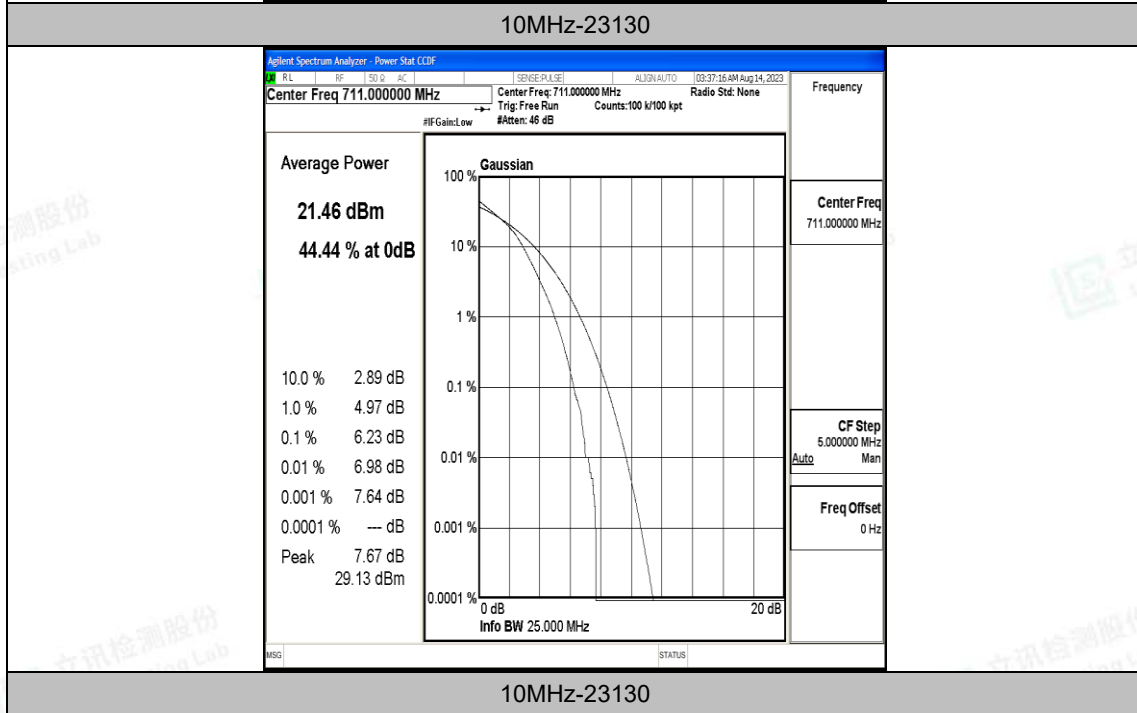
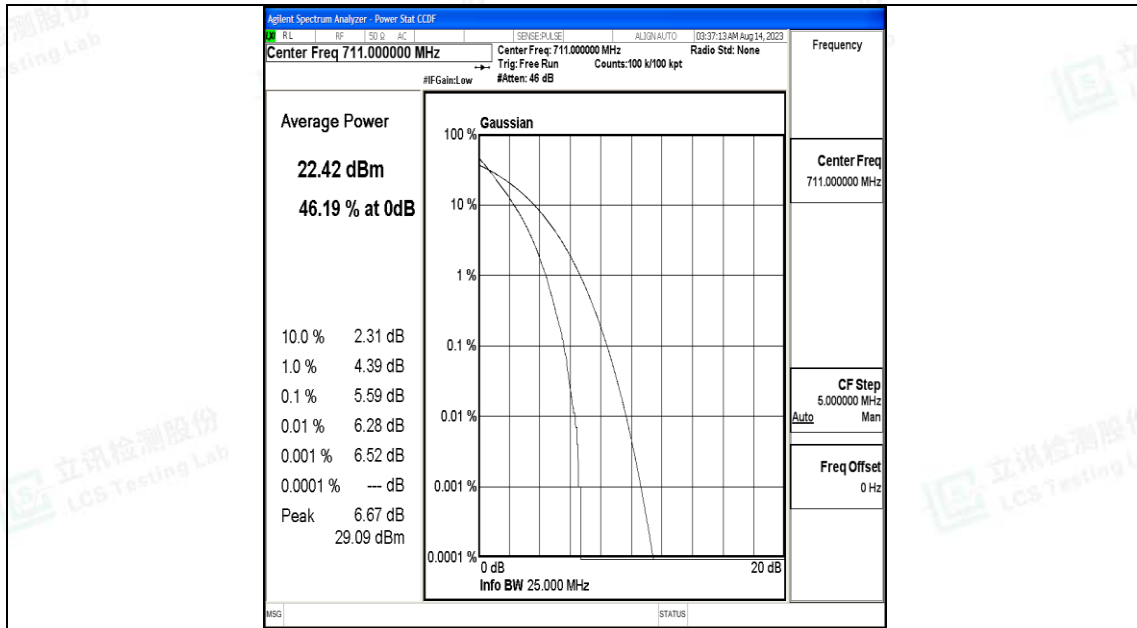
5MHz-23155













### I.3 26dB Bandwidth and Occupied Bandwidth

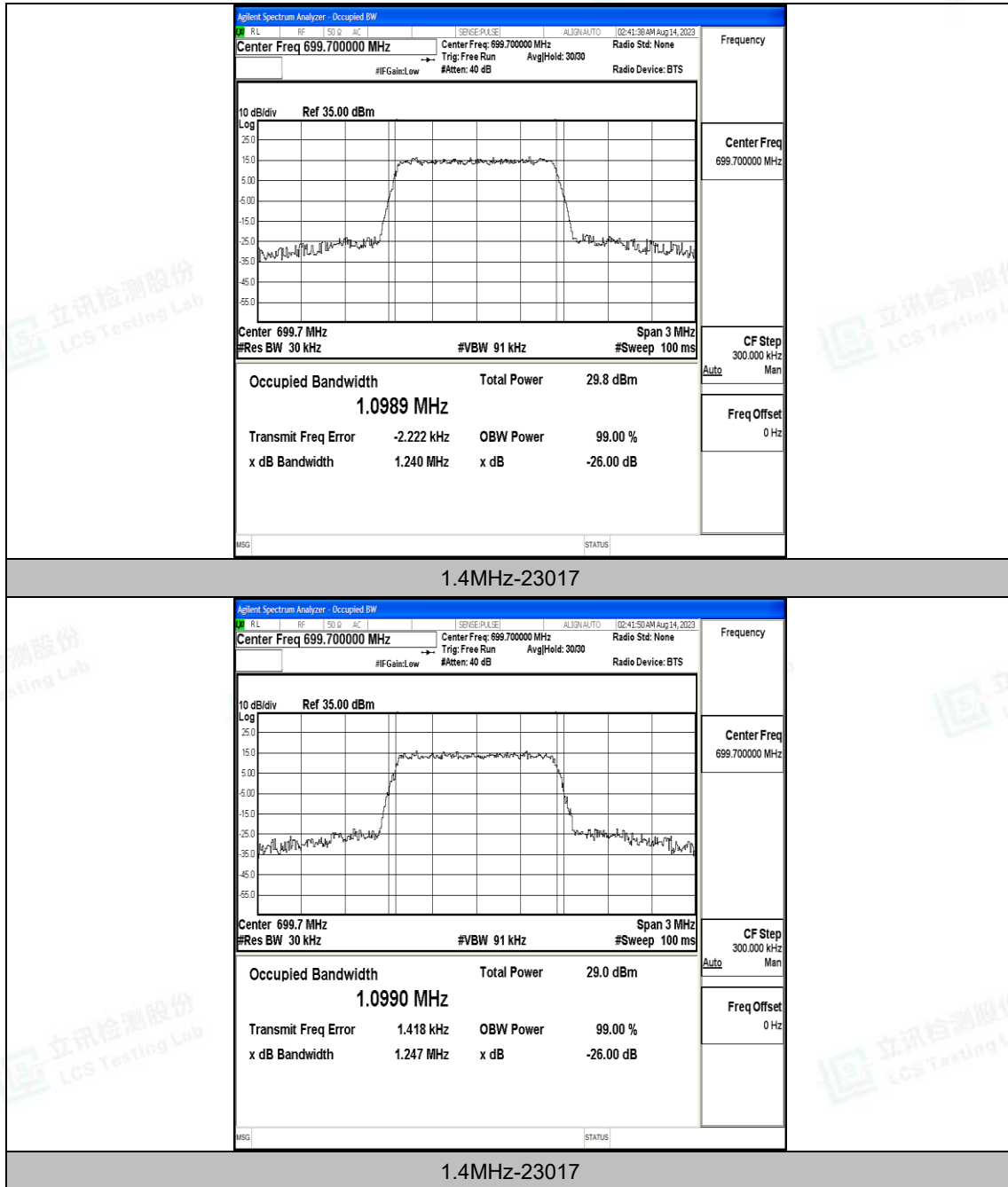
#### Test Result

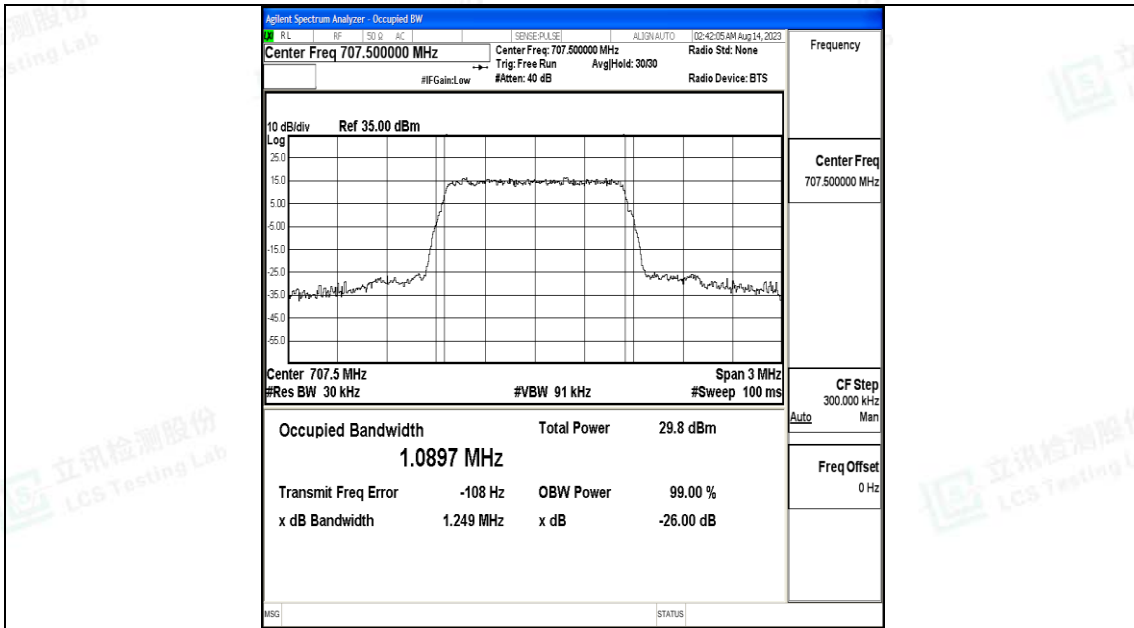
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	1.0989	1.240	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	1.0990	1.247	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	1.0897	1.249	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	1.1001	1.254	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	1.0922	1.244	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	1.1039	1.245	PASS
Band12	3MHz	QPSK	23025	15RB#0	2.7024	3.002	PASS
Band12	3MHz	16QAM	23025	15RB#0	2.6930	3.033	PASS
Band12	3MHz	QPSK	23095	15RB#0	2.7040	3.017	PASS
Band12	3MHz	16QAM	23095	15RB#0	2.6898	3.019	PASS
Band12	3MHz	QPSK	23165	15RB#0	2.7044	3.022	PASS
Band12	3MHz	16QAM	23165	15RB#0	2.7111	3.037	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.5068	4.958	PASS
Band12	5MHz	16QAM	23035	25RB#0	4.5028	4.960	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.5211	4.979	PASS
Band12	5MHz	16QAM	23095	25RB#0	4.5067	4.956	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.5147	4.971	PASS
Band12	5MHz	16QAM	23155	25RB#0	4.4995	4.956	PASS
Band12	10MHz	QPSK	23060	50RB#0	8.9873	9.977	PASS
Band12	10MHz	16QAM	23060	50RB#0	8.9550	9.885	PASS
Band12	10MHz	QPSK	23095	50RB#0	9.0027	9.949	PASS
Band12	10MHz	16QAM	23095	50RB#0	9.0045	9.903	PASS
Band12	10MHz	QPSK	23130	50RB#0	8.9929	9.939	PASS
Band12	10MHz	16QAM	23130	50RB#0	8.9879	9.935	PASS



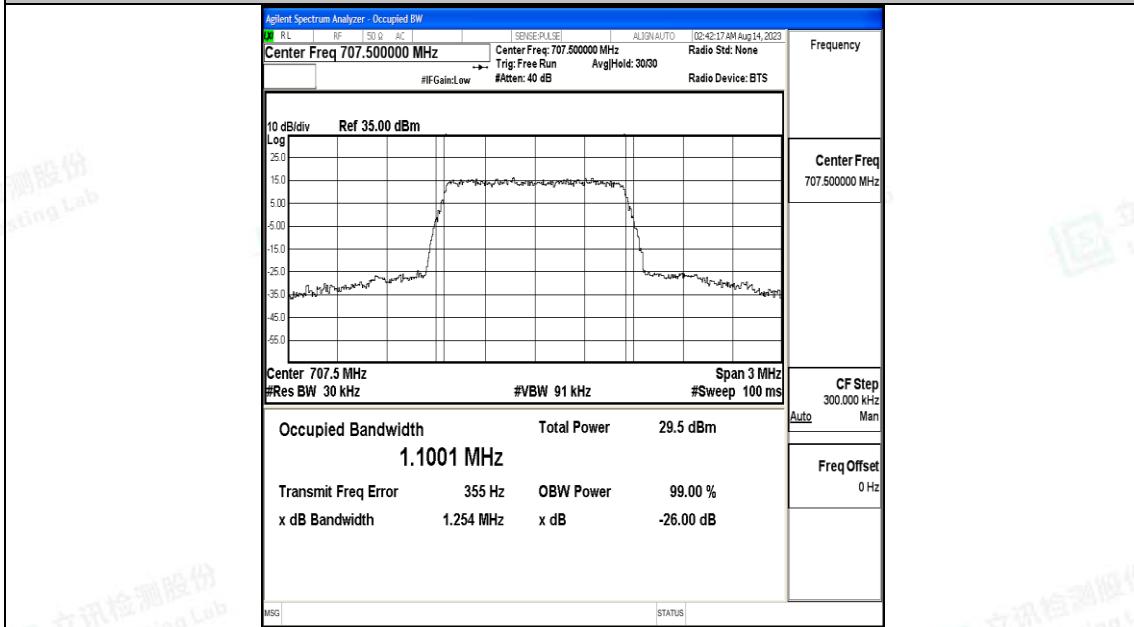


### Test Graphs



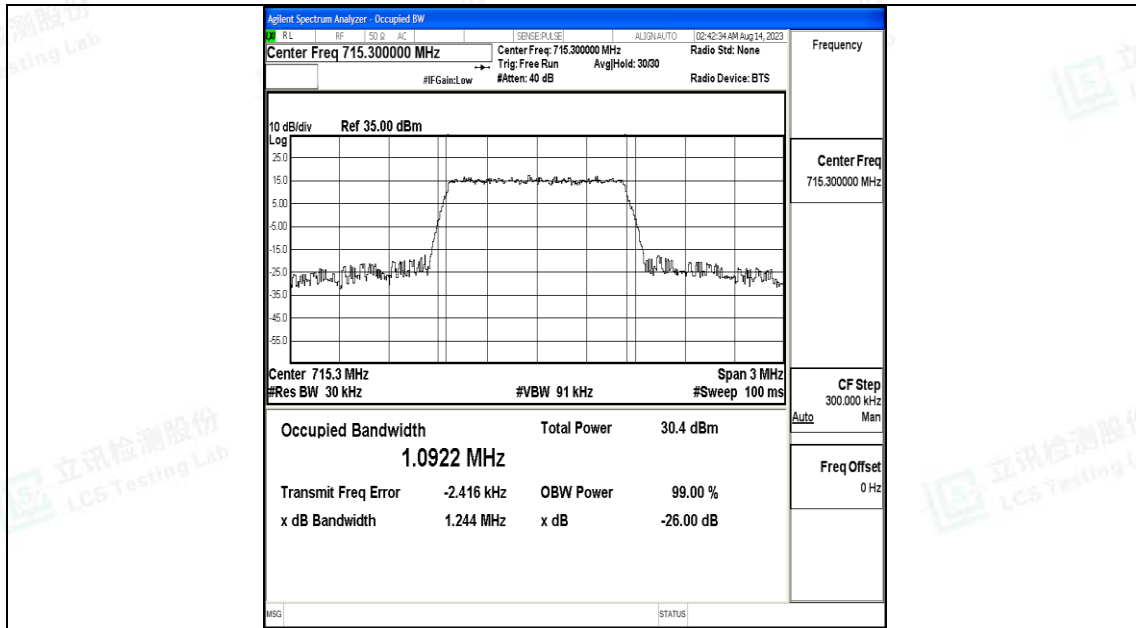


1.4MHz-23095

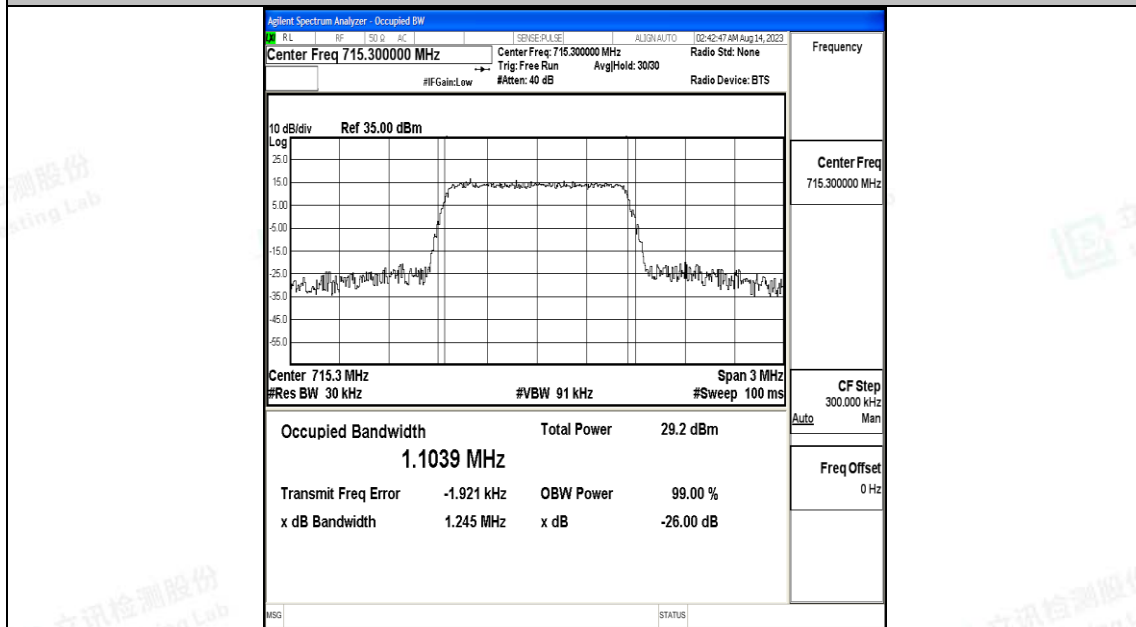


1.4MHz-23095



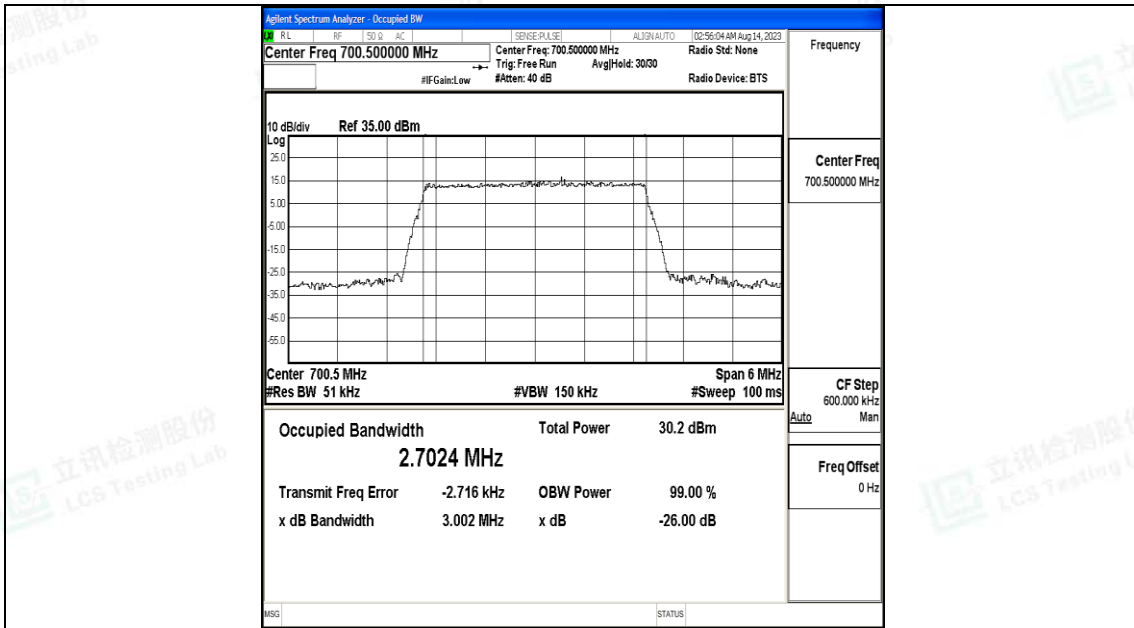


1.4MHz-23173

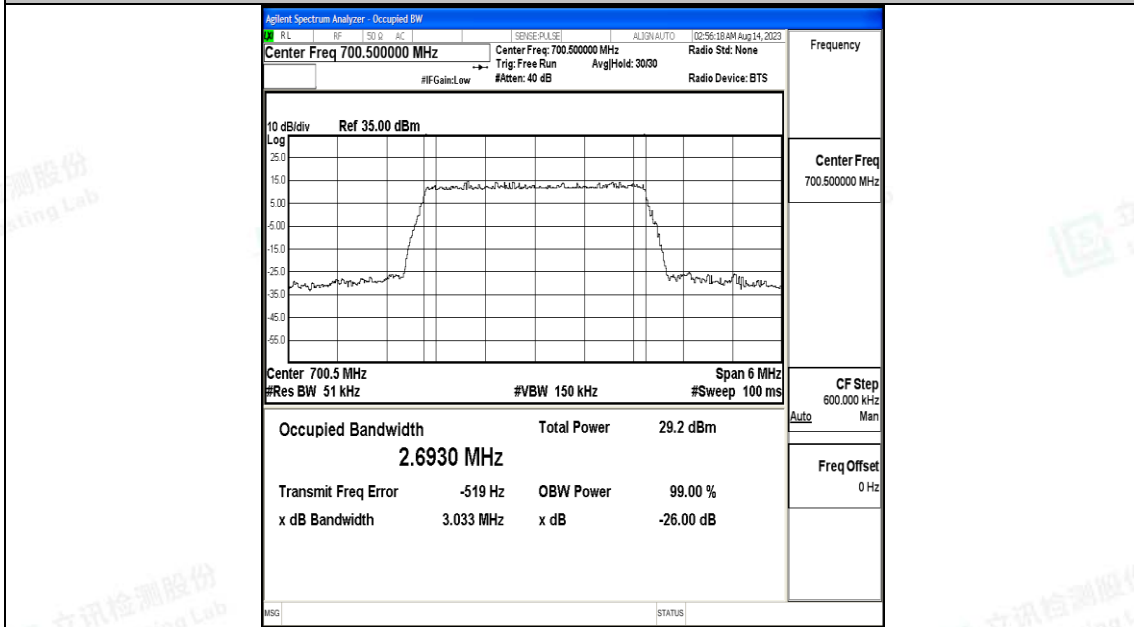


1.4MHz-23173





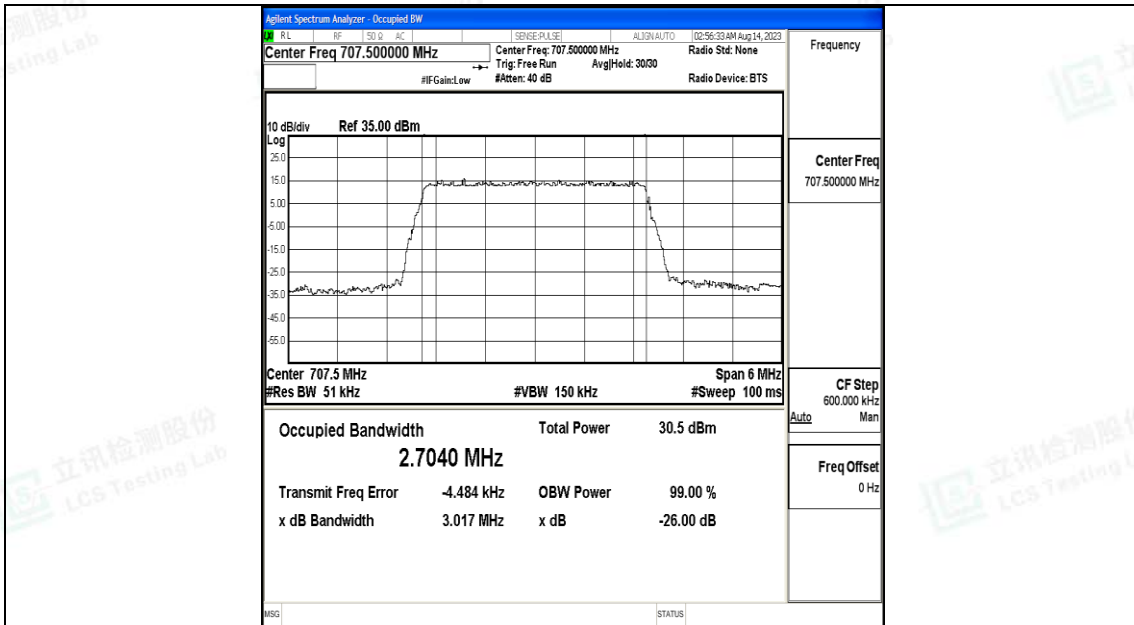
3MHz-23025



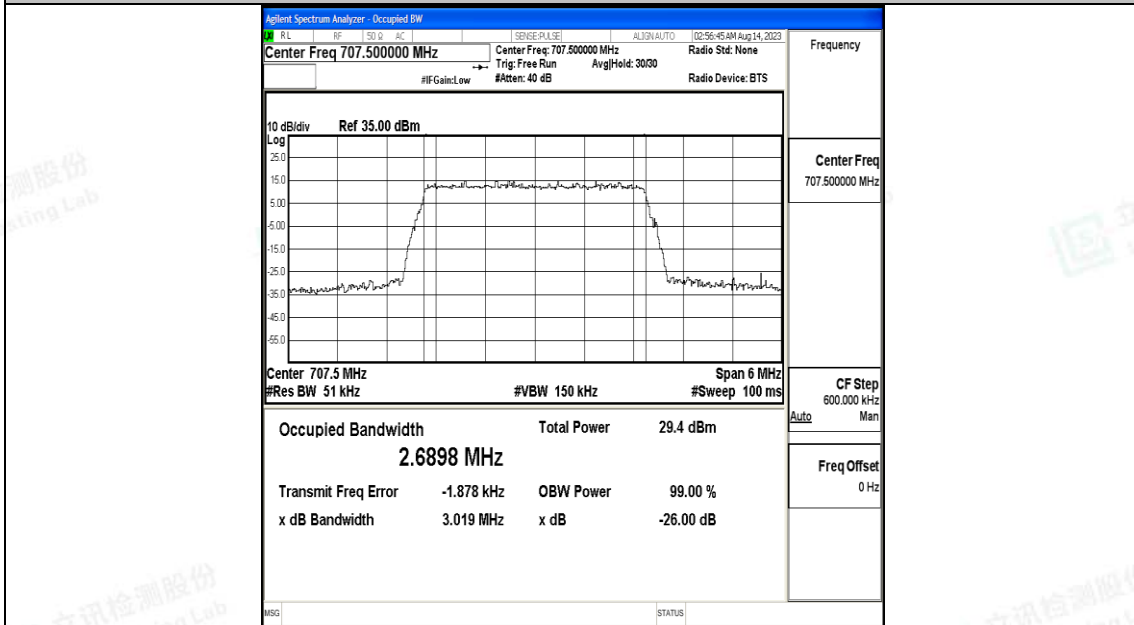
3MHz-23025





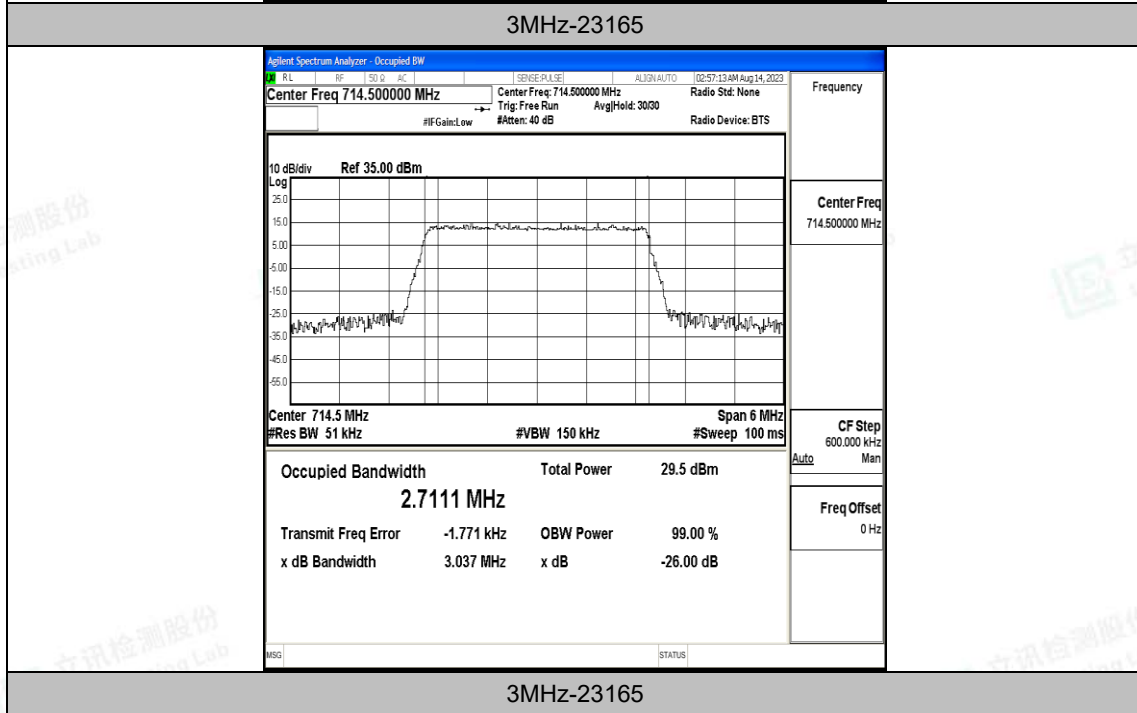
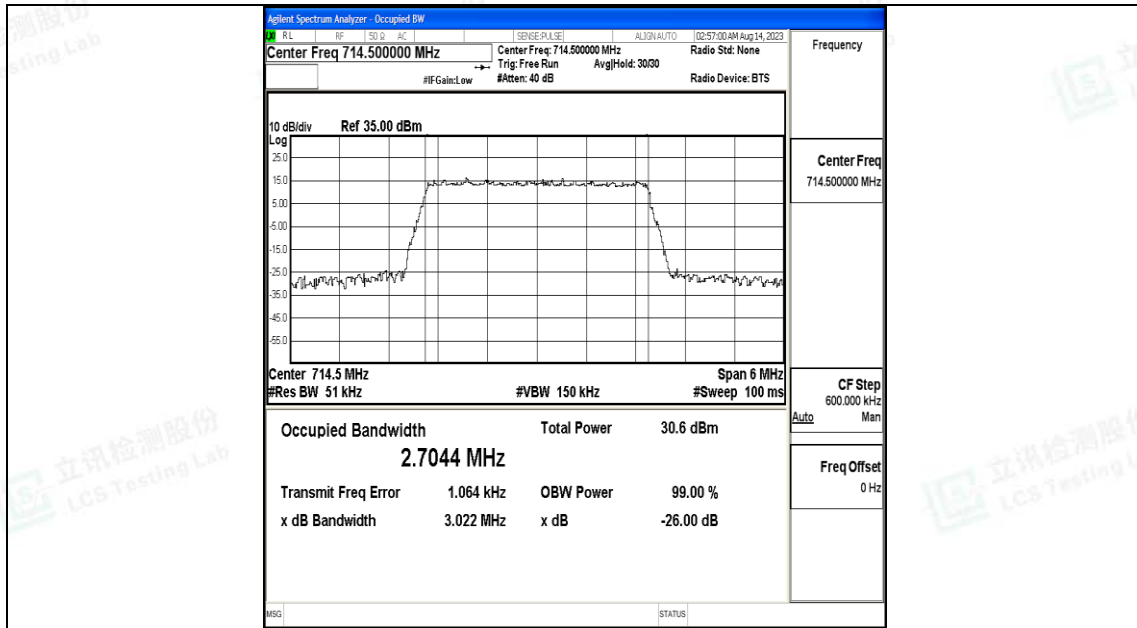


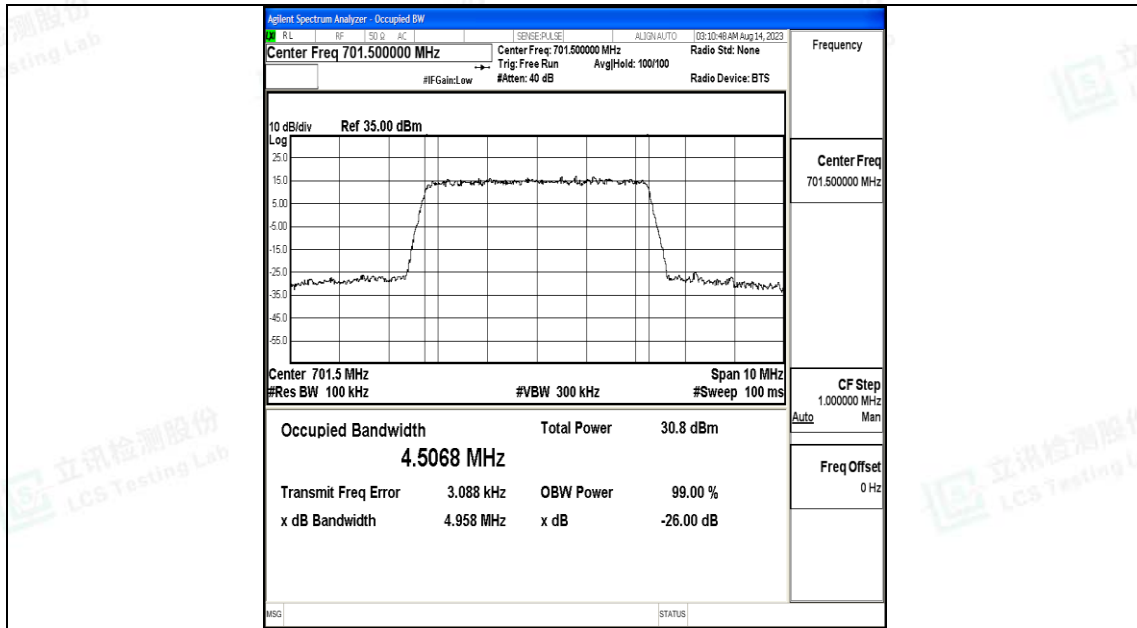
3MHz-23095



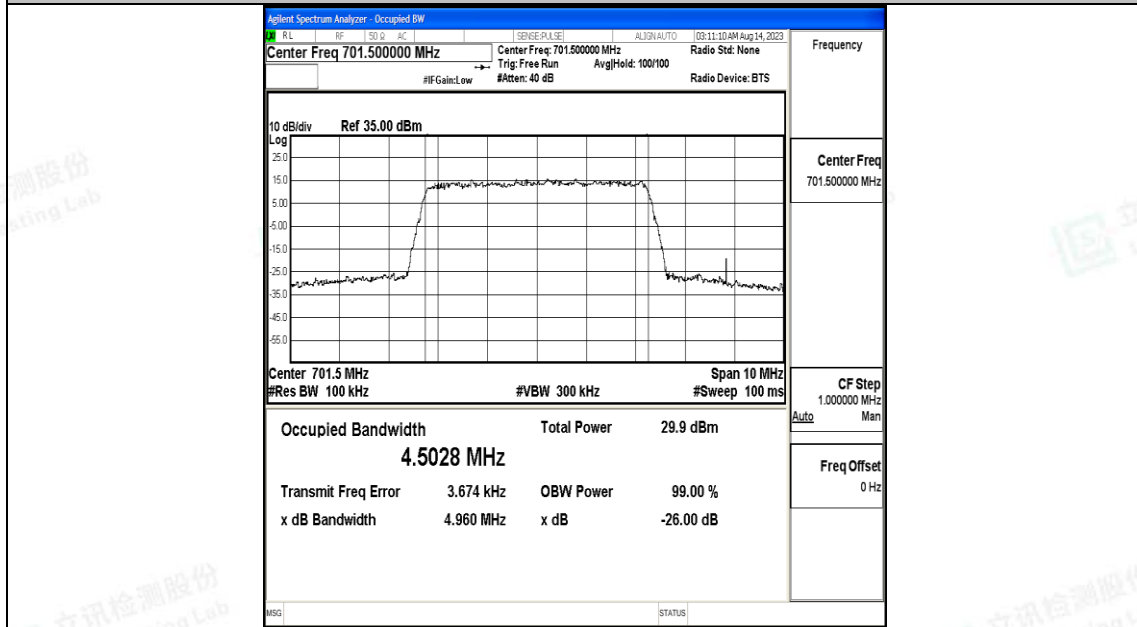
3MHz-23095





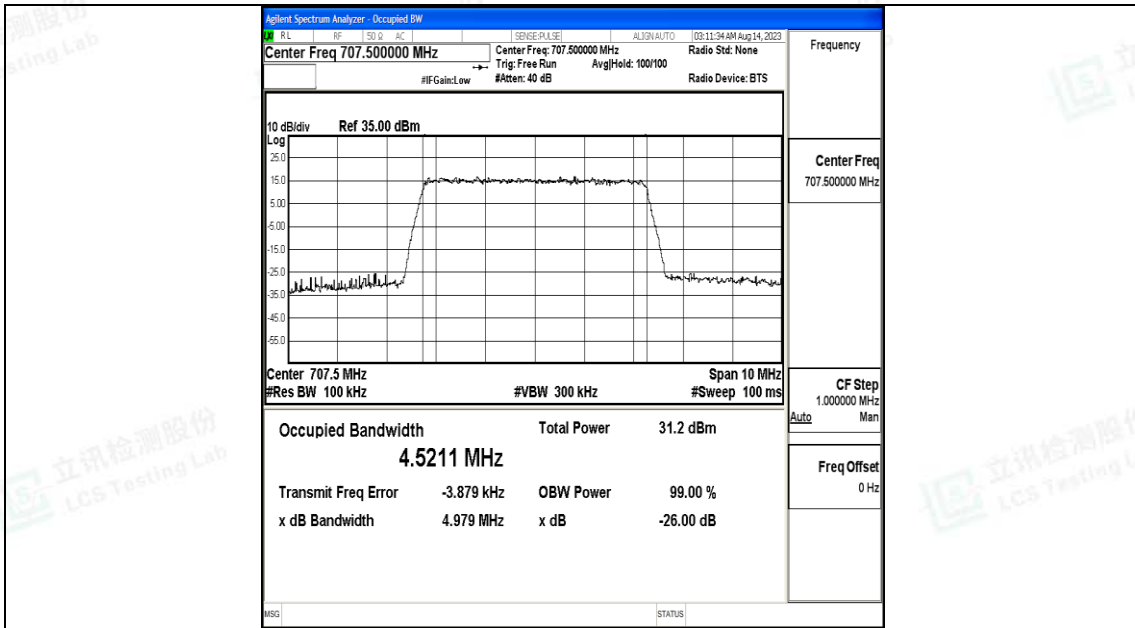


5MHz-23035

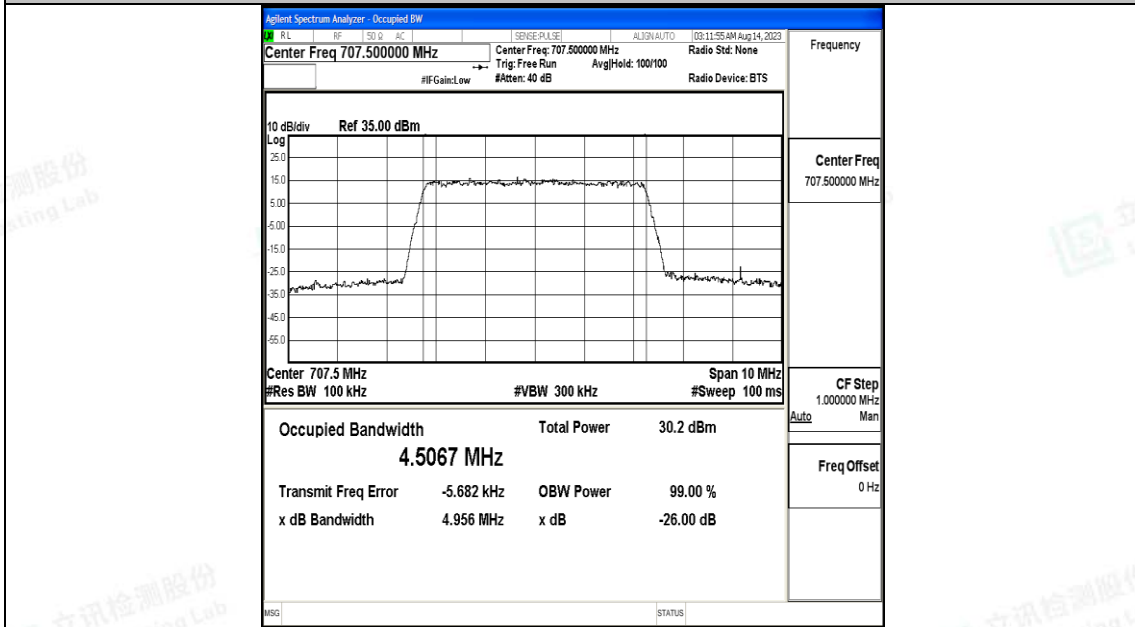


5MHz-23035



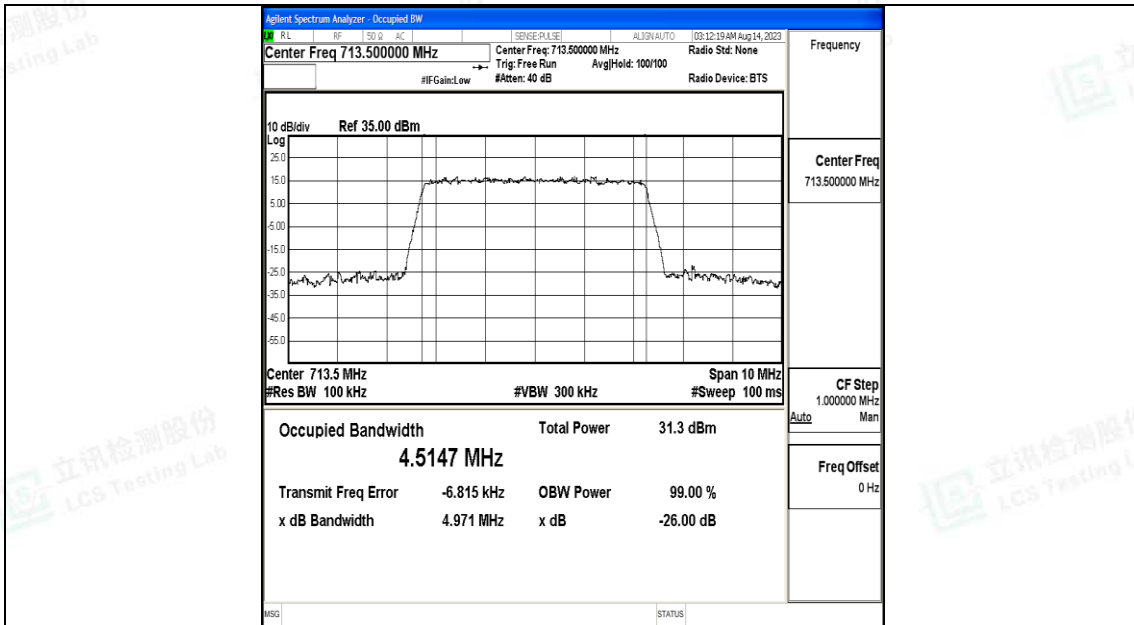


5MHz-23095

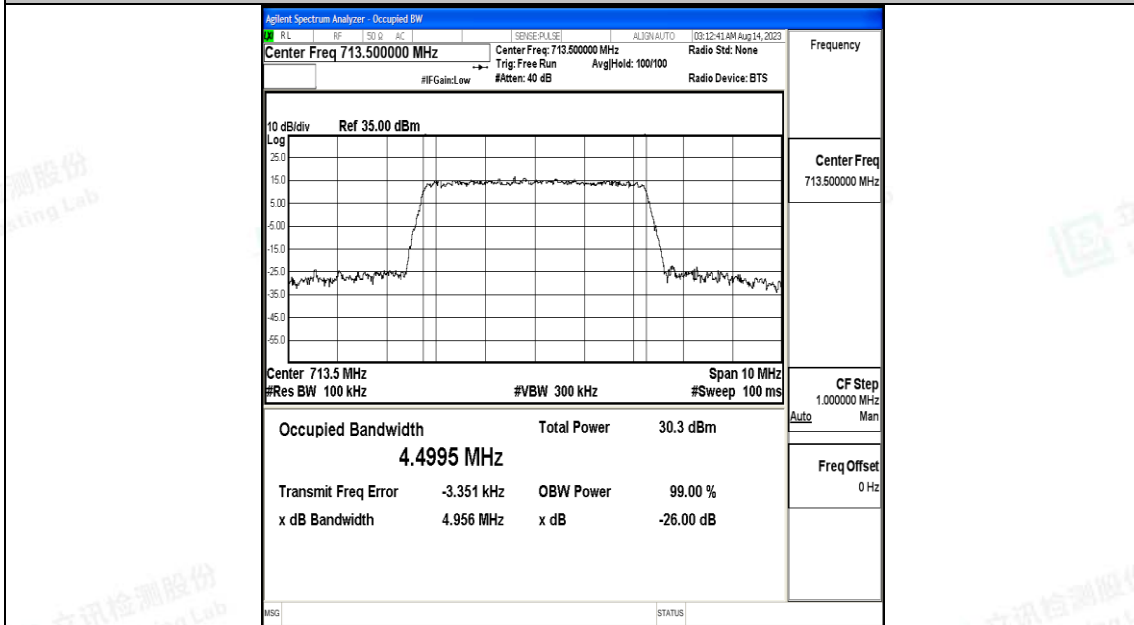


5MHz-23095



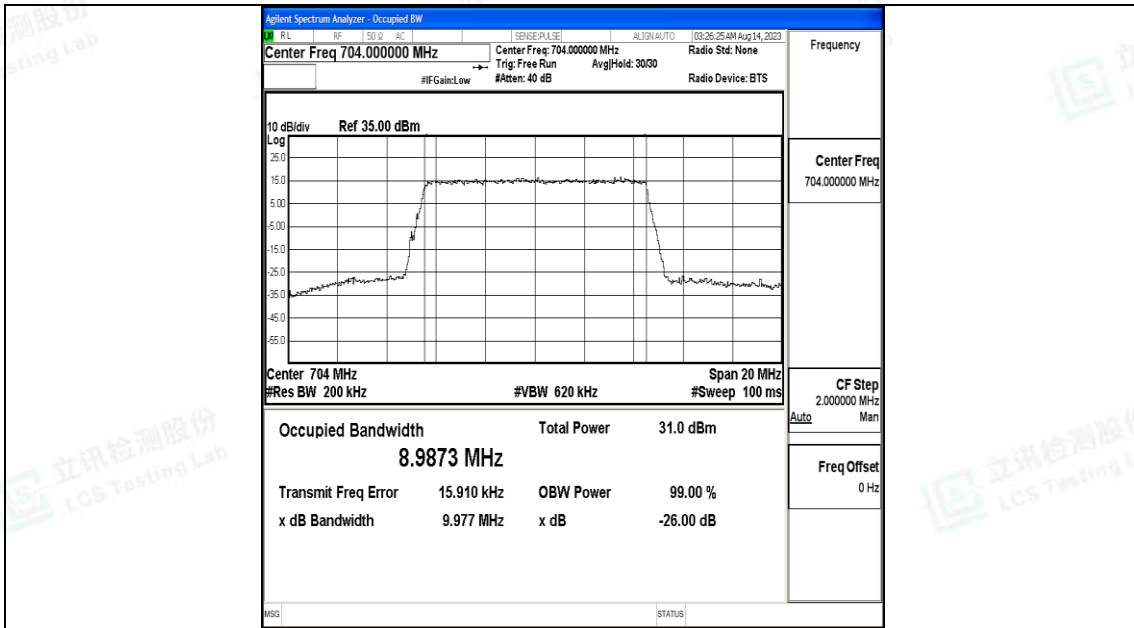


5MHz-23155

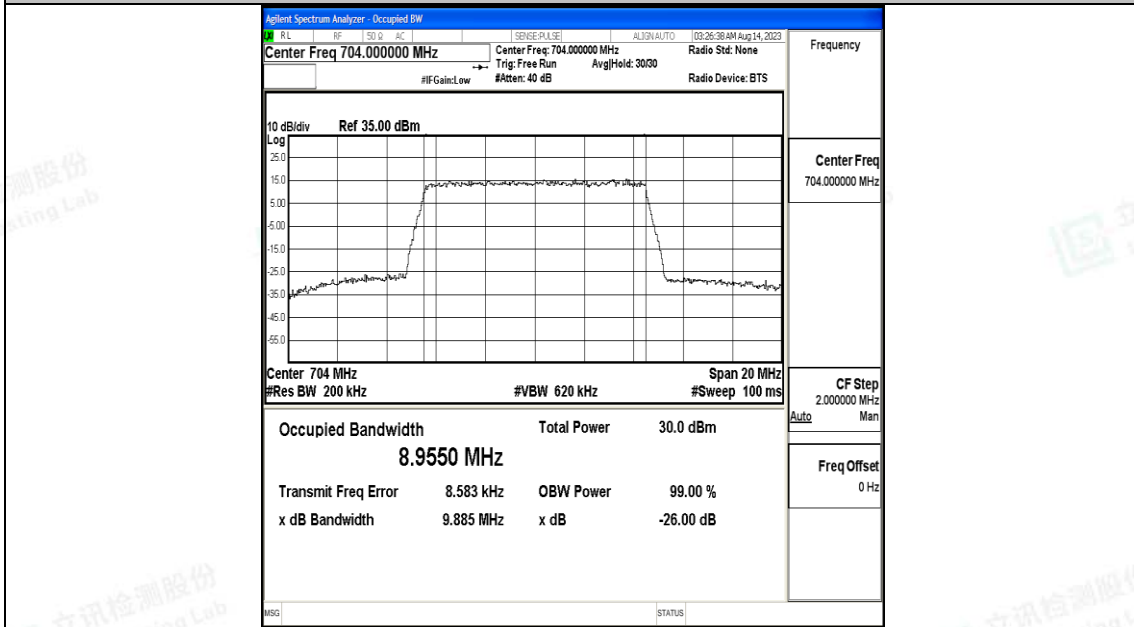


5MHz-23155



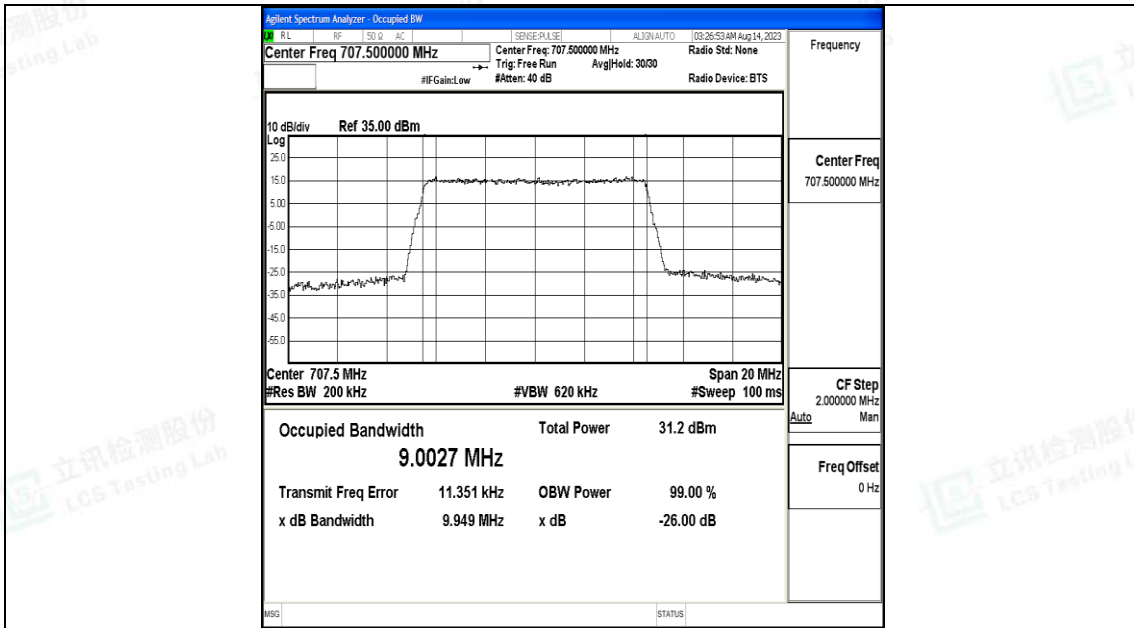


10MHz-23060

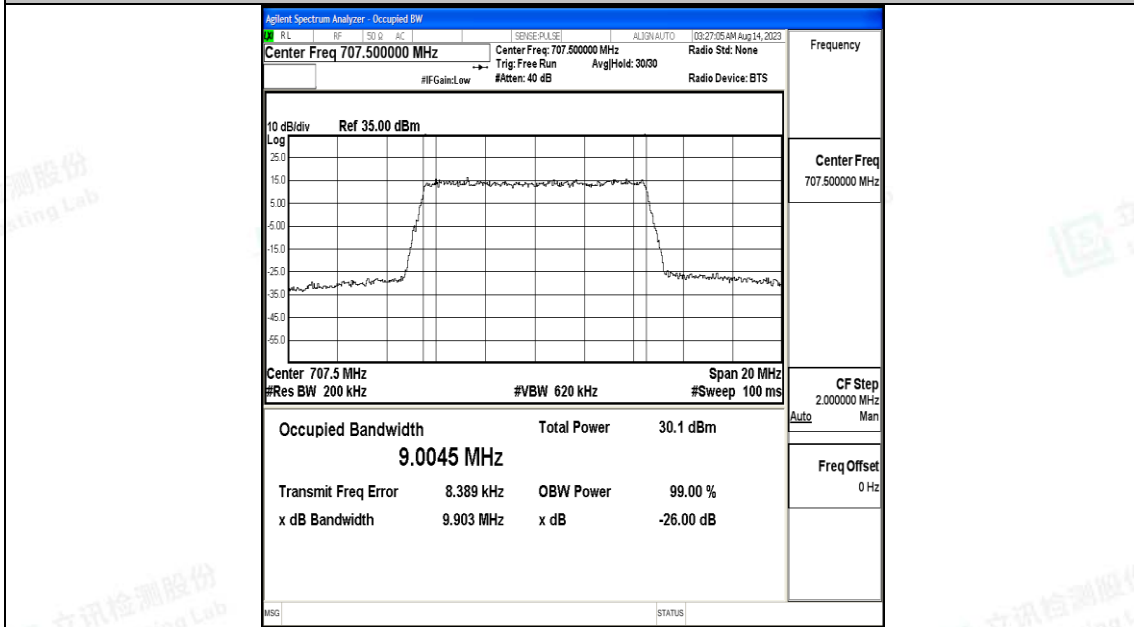


10MHz-23060



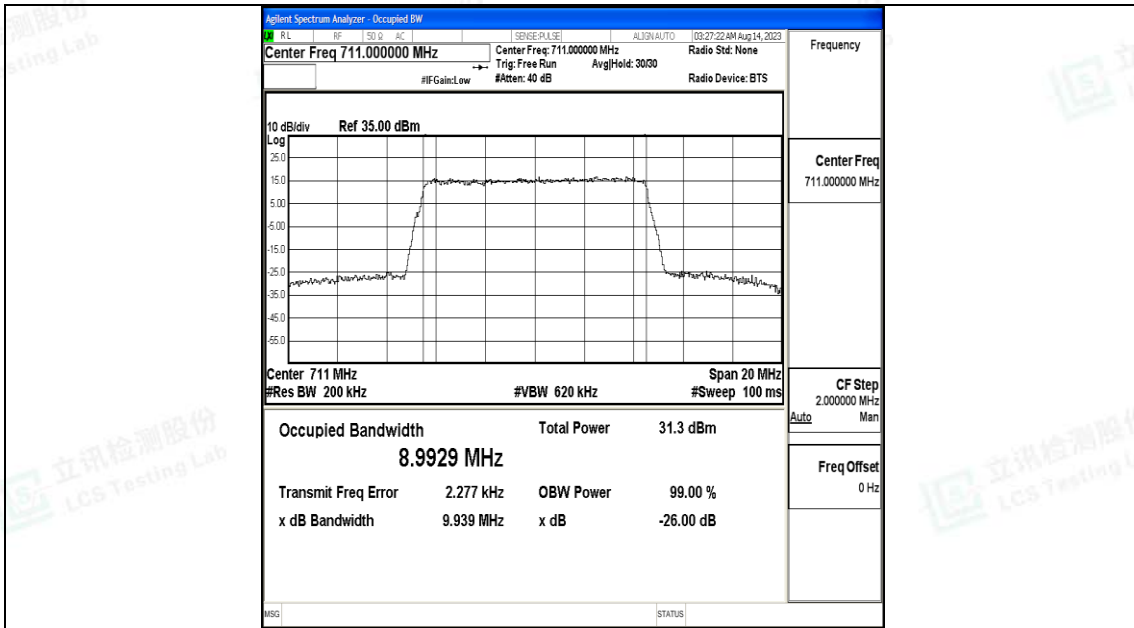


10MHz-23095

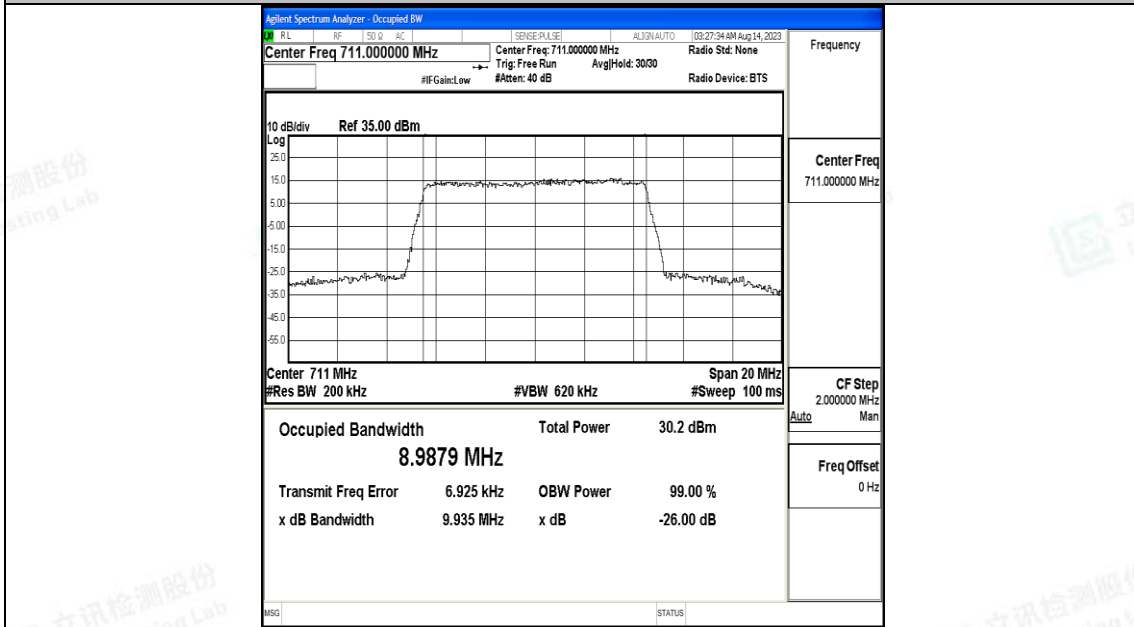


10MHz-23095





10MHz-23130



10MHz-23130





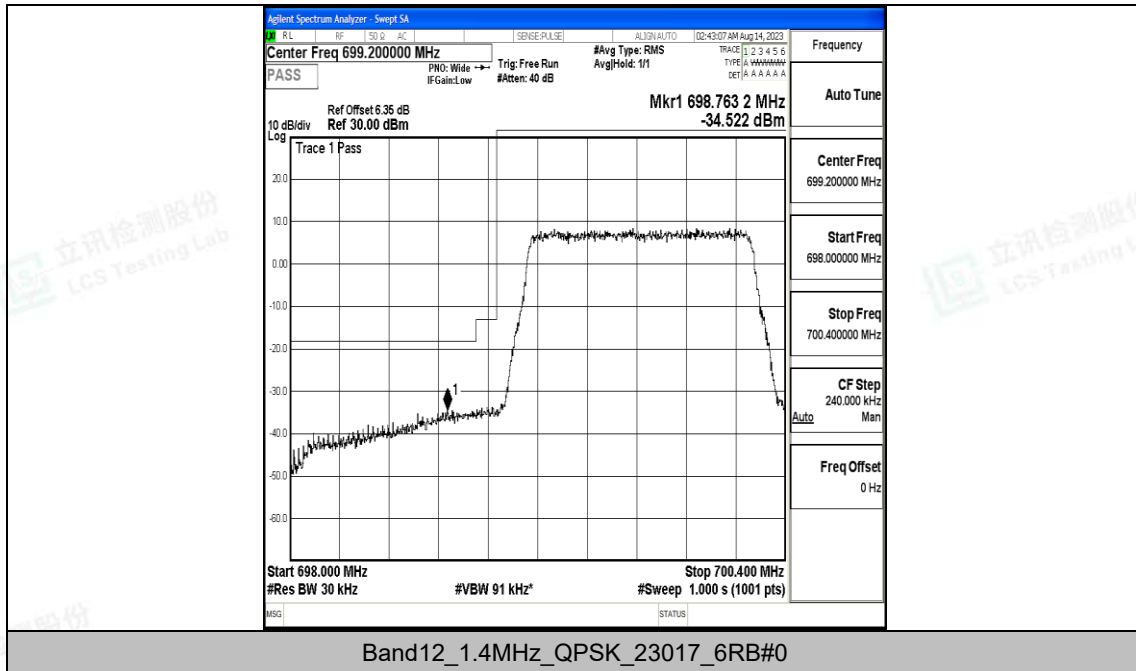


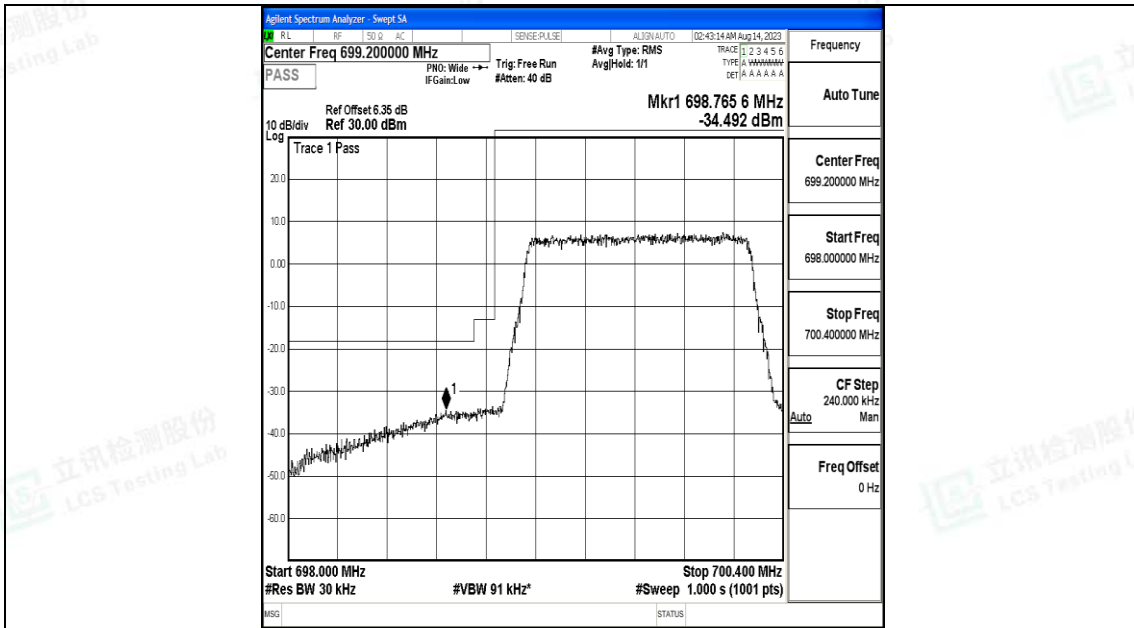
### I.4 Band Edge

#### Test Result

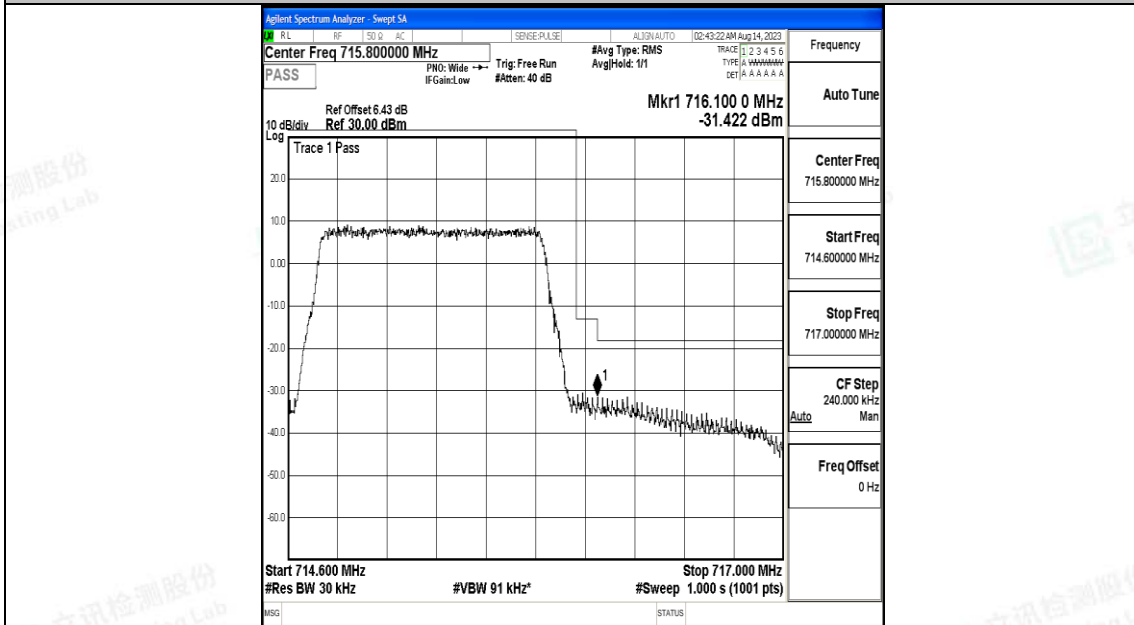
Band	Bandwidth	Modulation	Channel	RB Configuration	Peak Frequency	Result(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	698.76	-34.52	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	698.77	-34.49	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	716.10	-31.42	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	716.19	-31.91	PASS
Band12	3MHz	QPSK	23025	15RB#0	699.00	-25.17	PASS
Band12	3MHz	16QAM	23025	15RB#0	699.00	-27.06	PASS
Band12	3MHz	QPSK	23165	15RB#0	716.00	-23.89	PASS
Band12	3MHz	16QAM	23165	15RB#0	716.00	-26.01	PASS
Band12	5MHz	QPSK	23035	25RB#0	699.00	-34.52	PASS
Band12	5MHz	16QAM	23035	25RB#0	698.99	-35.46	PASS
Band12	5MHz	QPSK	23155	25RB#0	716.01	-34.70	PASS
Band12	5MHz	16QAM	23155	25RB#0	716.01	-35.39	PASS
Band12	10MHz	QPSK	23060	50RB#0	698.87	-43.71	PASS
Band12	10MHz	16QAM	23060	50RB#0	698.69	-43.45	PASS
Band12	10MHz	QPSK	23130	50RB#0	716.11	-42.51	PASS
Band12	10MHz	16QAM	23130	50RB#0	716.16	-43.50	PASS

#### Test Graphs



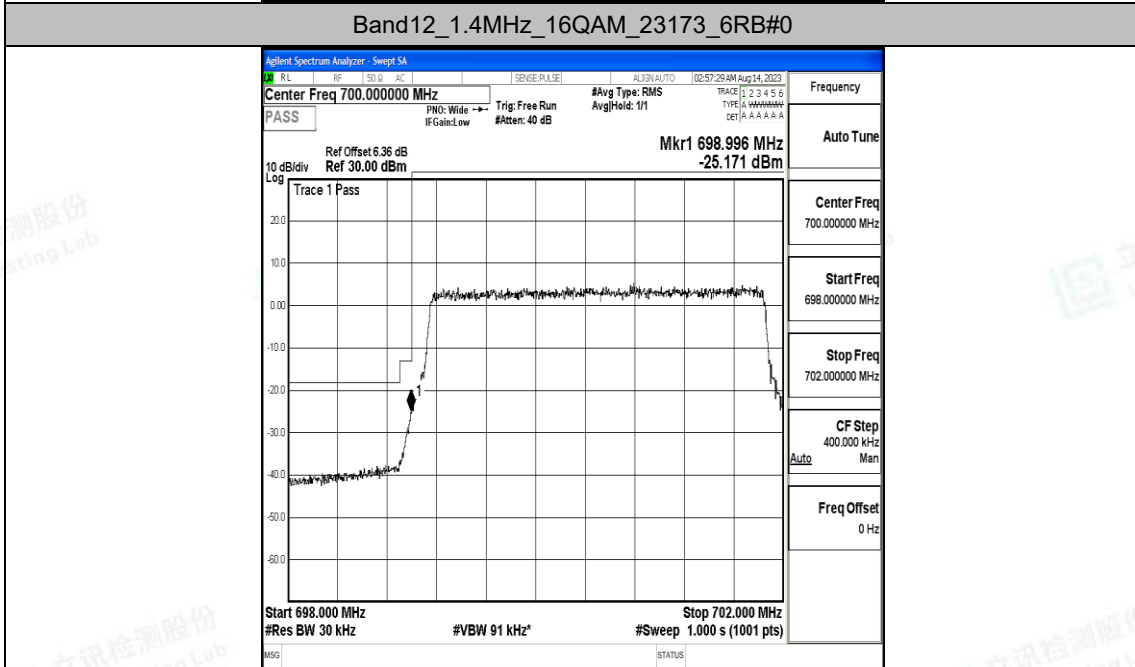
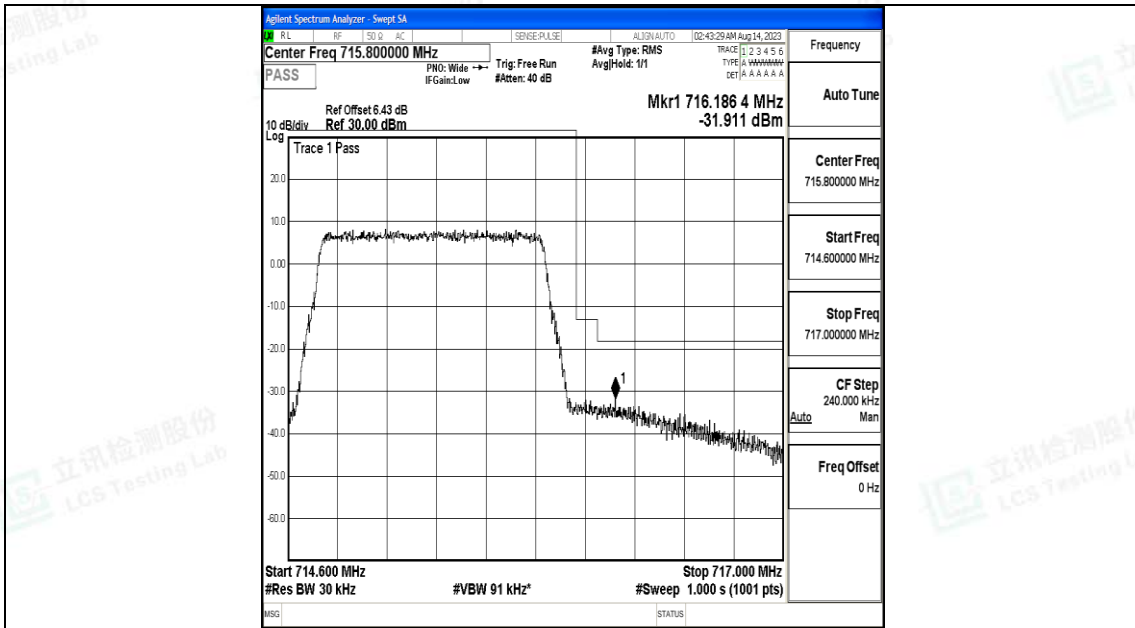


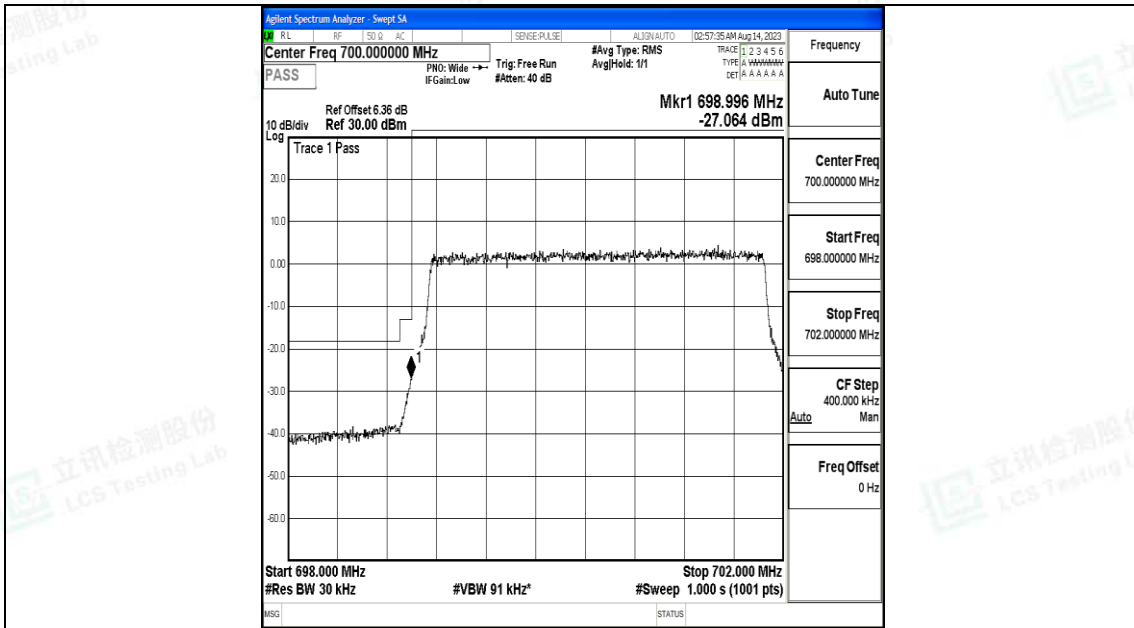
Band12\_1.4MHz\_16QAM\_23017\_6RB#0



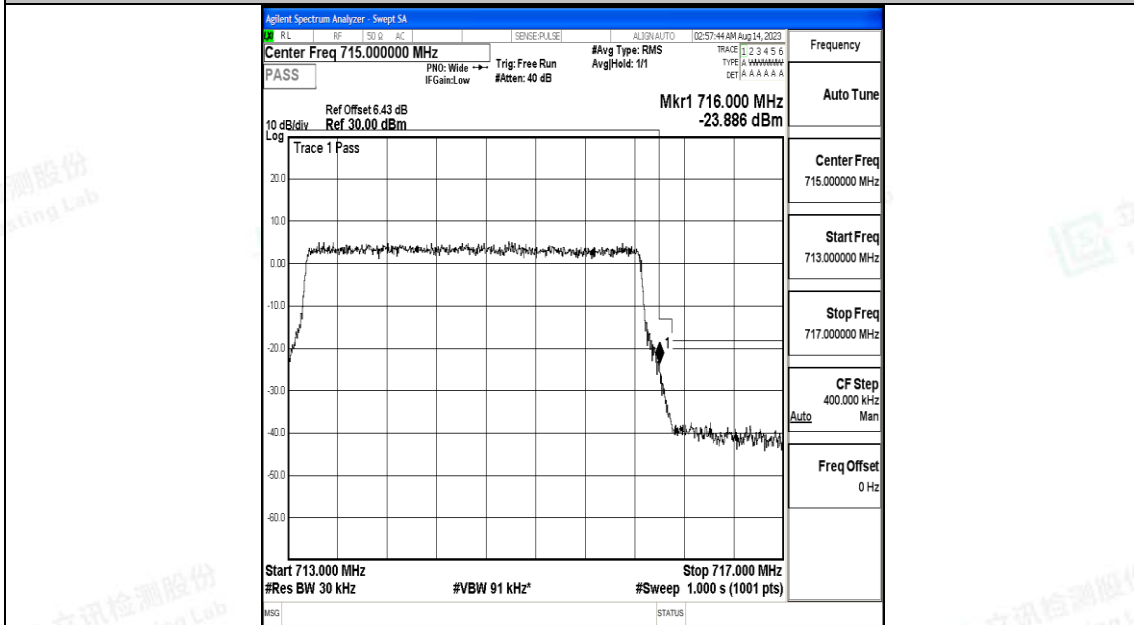
Band12\_1.4MHz\_QPSK\_23173\_6RB#0





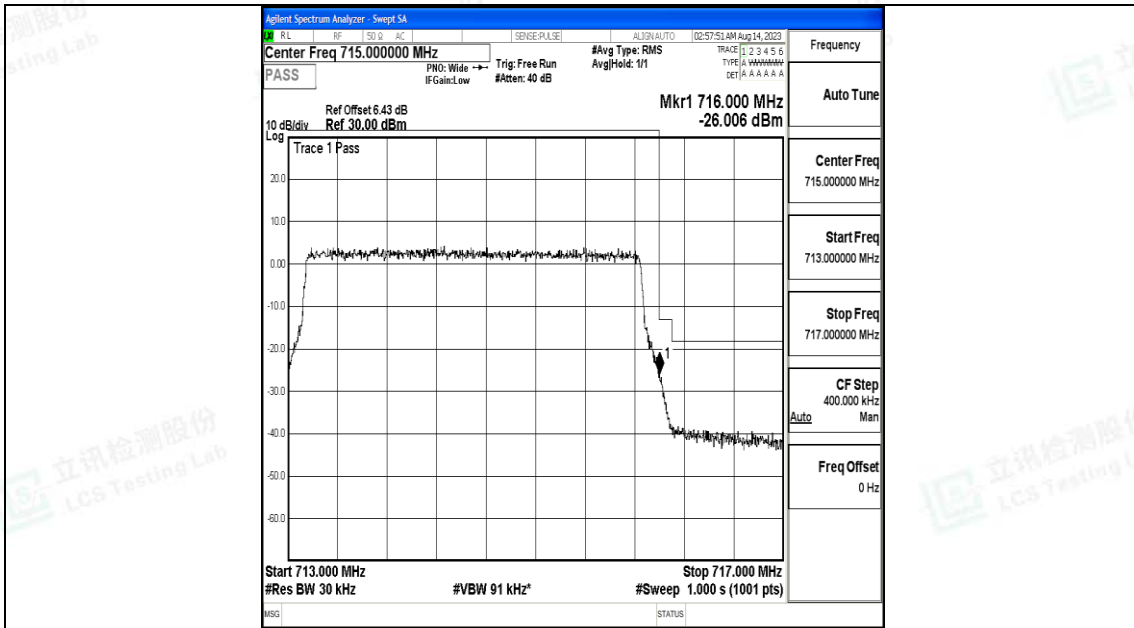


Band12\_3MHz\_16QAM\_23025\_15RB#0

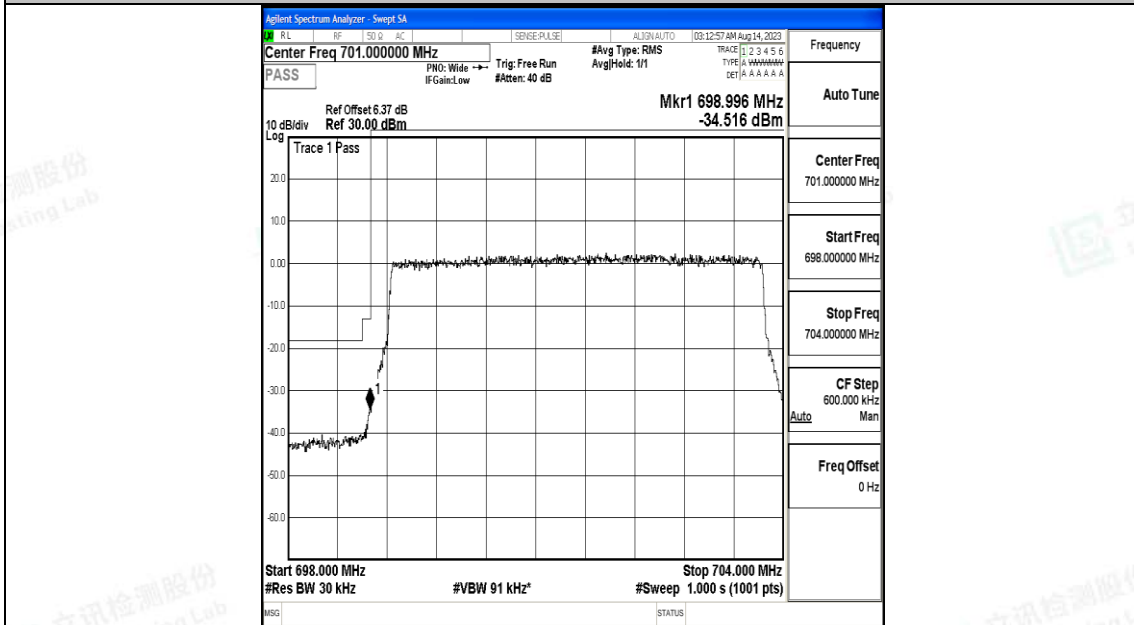


Band12\_3MHz\_QPSK\_23165\_15RB#0



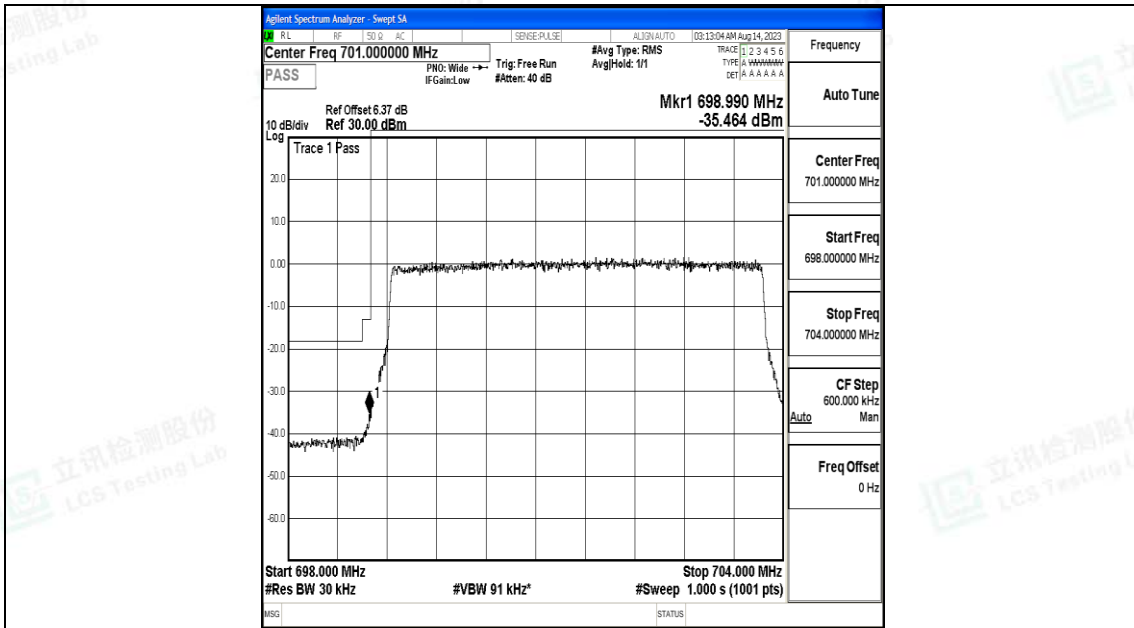


Band12\_3MHz\_16QAM\_23165\_15RB#0

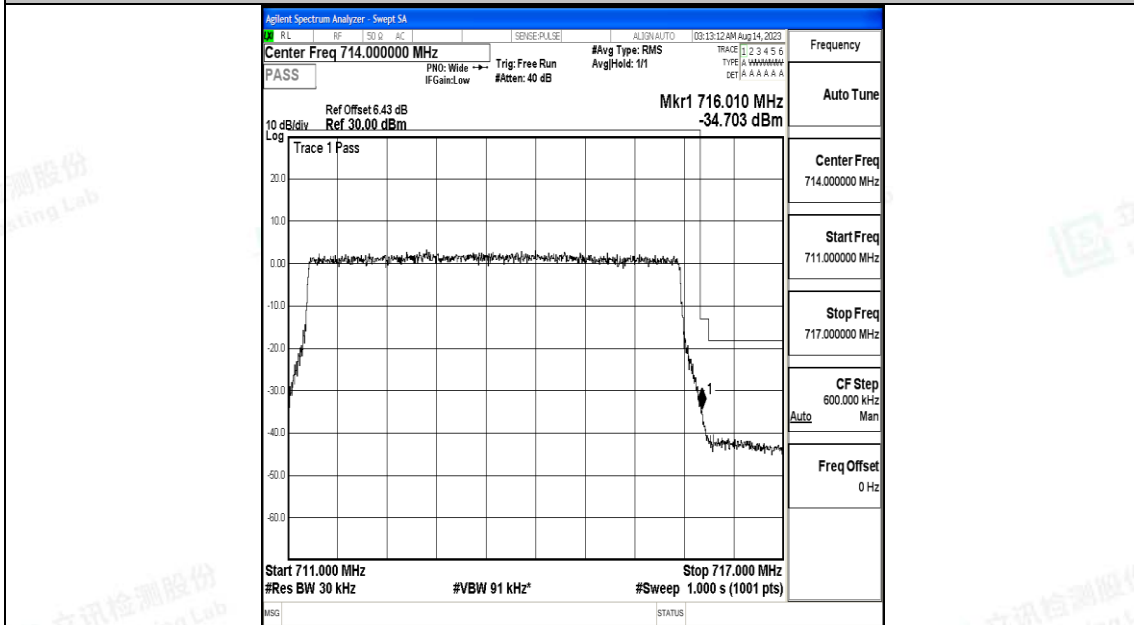


Band12\_5MHz\_QPSK\_23035\_25RB#0



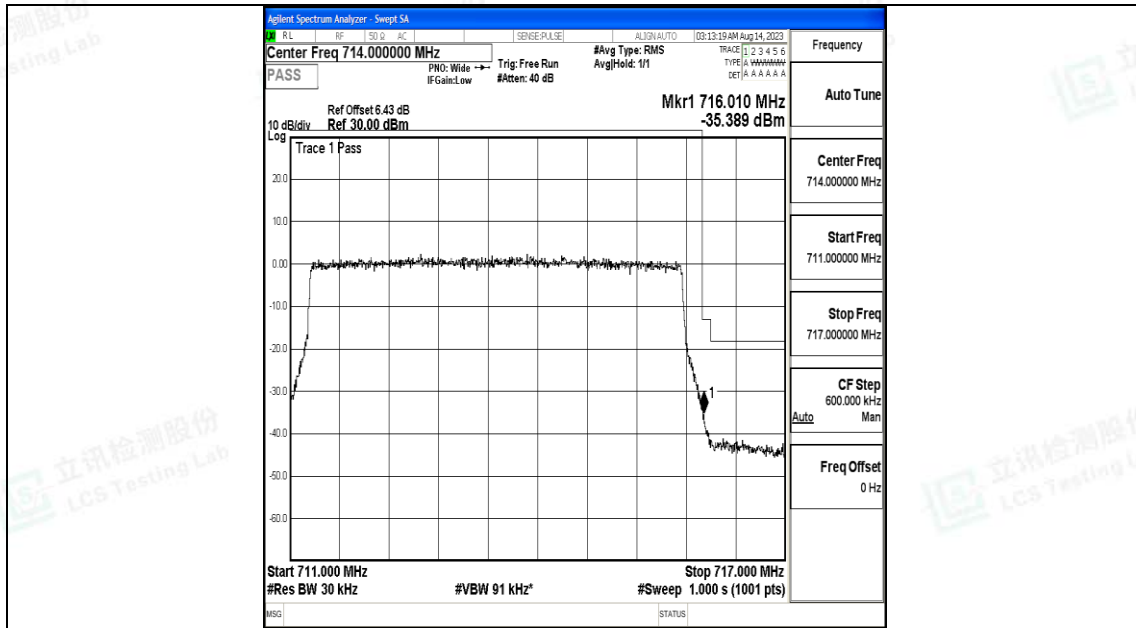


Band12\_5MHz\_16QAM\_23035\_25RB#0

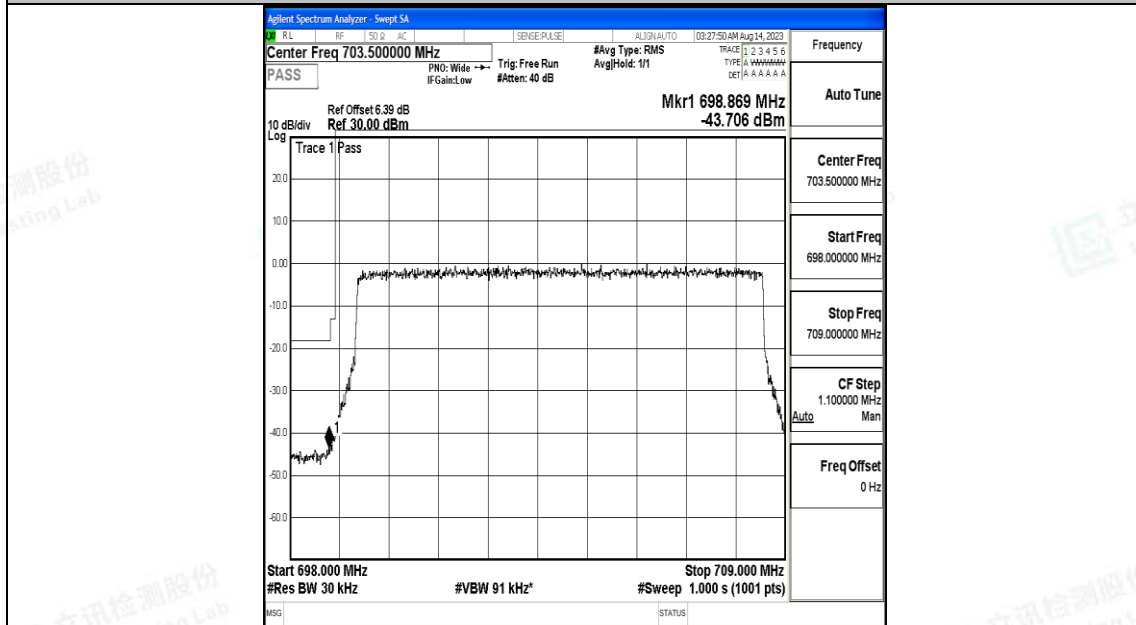


Band12\_5MHz\_QPSK\_23155\_25RB#0



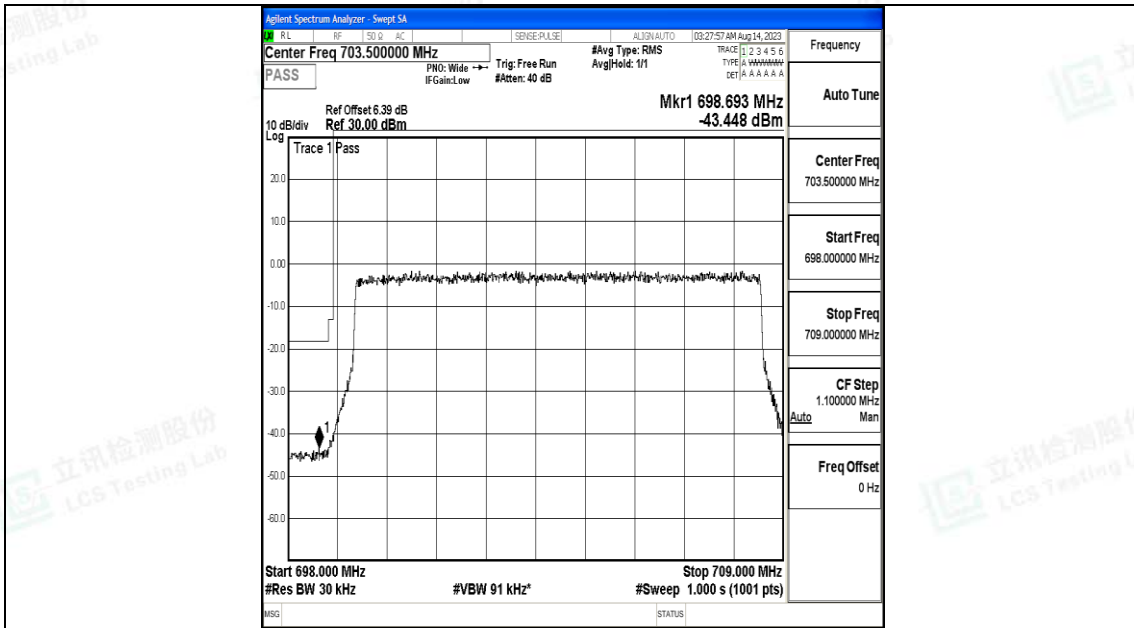


Band12\_5MHz\_16QAM\_23155\_25RB#0

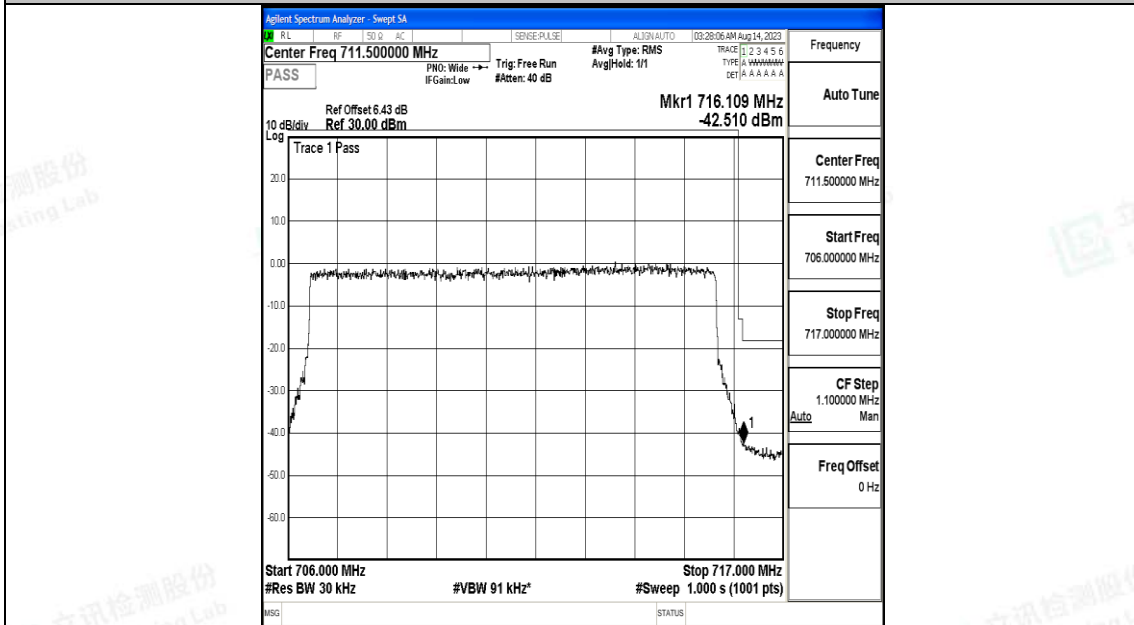


Band12\_10MHz\_QPSK\_23060\_50RB#0





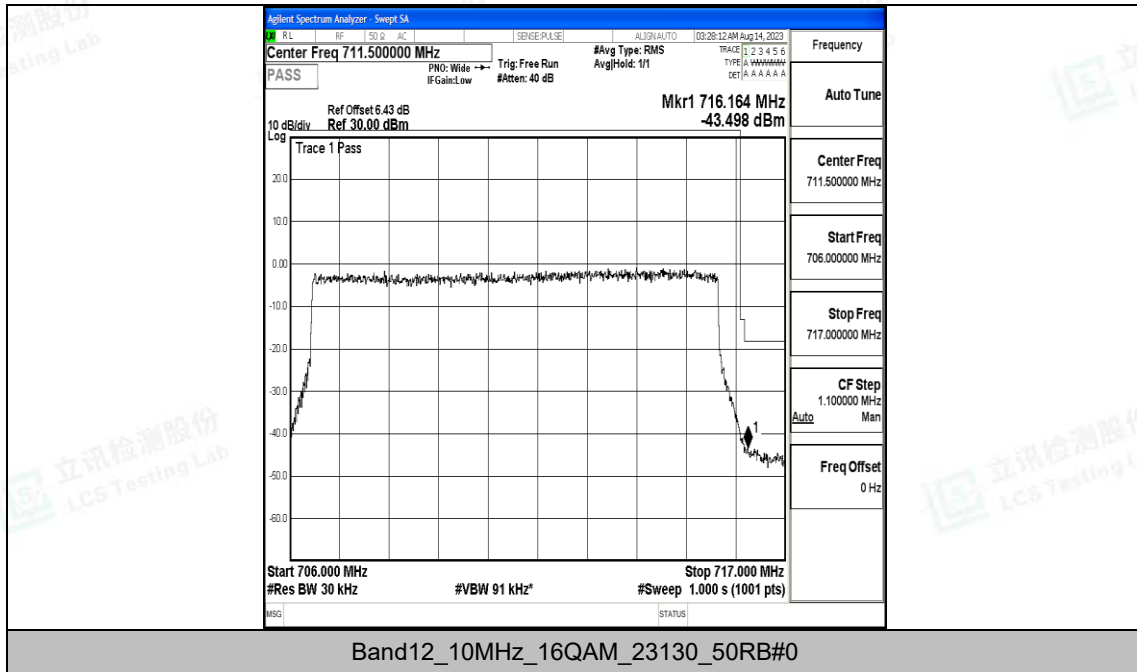
Band12\_10MHz\_16QAM\_23060\_50RB#0



Band12\_10MHz\_QPSK\_23130\_50RB#0









## 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	-56.34	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	0.15~30	-52.80	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	30~1000	-60.53	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	1000~3000	-43.70	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	3000~10000	-42.44	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	0.009~0.15	-55.69	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	0.15~30	-51.62	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	30~1000	-59.68	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	1000~3000	-44.95	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	3000~10000	-42.32	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	0.009~0.15	-55.46	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	0.15~30	-52.87	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	30~1000	-59.19	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	1000~3000	-43.78	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	3000~10000	-42.25	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	0.009~0.15	-55.64	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	0.15~30	-55.33	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	30~1000	-59.48	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	1000~3000	-43.03	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	3000~10000	-41.56	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	0.009~0.15	-55.67	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	0.15~30	-53.12	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	30~1000	-60.21	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	1000~3000	-38.69	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	3000~10000	-42.56	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	0.009~0.15	-55.41	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	0.15~30	-54.09	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	30~1000	-59.24	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	1000~3000	-40.20	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	3000~10000	-42.85	PASS
Band12	3MHz	QPSK	23025	1RB#0	0.009~0.15	-55.31	PASS
Band12	3MHz	QPSK	23025	1RB#0	0.15~30	-53.36	PASS
Band12	3MHz	QPSK	23025	1RB#0	30~1000	-59.82	PASS
Band12	3MHz	QPSK	23025	1RB#0	1000~3000	-44.44	PASS
Band12	3MHz	QPSK	23025	1RB#0	3000~10000	-42.26	PASS





Band12	3MHz	16QAM	23025	1RB#0	0.009~0.15	-54.46	PASS
Band12	3MHz	16QAM	23025	1RB#0	0.15~30	-52.48	PASS
Band12	3MHz	16QAM	23025	1RB#0	30~1000	-61.47	PASS
Band12	3MHz	16QAM	23025	1RB#0	1000~3000	-45.12	PASS
Band12	3MHz	16QAM	23025	1RB#0	3000~10000	-42.91	PASS
Band12	3MHz	QPSK	23095	1RB#0	0.009~0.15	-54.22	PASS
Band12	3MHz	QPSK	23095	1RB#0	0.15~30	-53.19	PASS
Band12	3MHz	QPSK	23095	1RB#0	30~1000	-58.82	PASS
Band12	3MHz	QPSK	23095	1RB#0	1000~3000	-41.00	PASS
Band12	3MHz	QPSK	23095	1RB#0	3000~10000	-41.94	PASS
Band12	3MHz	16QAM	23095	1RB#0	0.009~0.15	-56.12	PASS
Band12	3MHz	16QAM	23095	1RB#0	0.15~30	-52.28	PASS
Band12	3MHz	16QAM	23095	1RB#0	30~1000	-60.97	PASS
Band12	3MHz	16QAM	23095	1RB#0	1000~3000	-43.01	PASS
Band12	3MHz	16QAM	23095	1RB#0	3000~10000	-42.38	PASS
Band12	3MHz	QPSK	23165	1RB#0	0.009~0.15	-54.95	PASS
Band12	3MHz	QPSK	23165	1RB#0	0.15~30	-51.76	PASS
Band12	3MHz	QPSK	23165	1RB#0	30~1000	-60.73	PASS
Band12	3MHz	QPSK	23165	1RB#0	1000~3000	-40.08	PASS
Band12	3MHz	QPSK	23165	1RB#0	3000~10000	-42.36	PASS
Band12	3MHz	16QAM	23165	1RB#0	0.009~0.15	-56.12	PASS
Band12	3MHz	16QAM	23165	1RB#0	0.15~30	-53.18	PASS
Band12	3MHz	16QAM	23165	1RB#0	30~1000	-60.35	PASS
Band12	3MHz	16QAM	23165	1RB#0	1000~3000	-41.21	PASS
Band12	3MHz	16QAM	23165	1RB#0	3000~10000	-42.48	PASS
Band12	5MHz	QPSK	23035	1RB#0	0.009~0.15	-55.54	PASS
Band12	5MHz	QPSK	23035	1RB#0	0.15~30	-52.85	PASS
Band12	5MHz	QPSK	23035	1RB#0	30~1000	-61.30	PASS
Band12	5MHz	QPSK	23035	1RB#0	1000~3000	-42.43	PASS
Band12	5MHz	QPSK	23035	1RB#0	3000~10000	-42.30	PASS
Band12	5MHz	16QAM	23035	1RB#0	0.009~0.15	-58.98	PASS
Band12	5MHz	16QAM	23035	1RB#0	0.15~30	-52.74	PASS
Band12	5MHz	16QAM	23035	1RB#0	30~1000	-62.53	PASS
Band12	5MHz	16QAM	23035	1RB#0	1000~3000	-44.90	PASS
Band12	5MHz	16QAM	23035	1RB#0	3000~10000	-43.75	PASS
Band12	5MHz	QPSK	23095	1RB#0	0.009~0.15	-55.41	PASS
Band12	5MHz	QPSK	23095	1RB#0	0.15~30	-53.74	PASS
Band12	5MHz	QPSK	23095	1RB#0	30~1000	-62.31	PASS
Band12	5MHz	QPSK	23095	1RB#0	1000~3000	-42.41	PASS
Band12	5MHz	QPSK	23095	1RB#0	3000~10000	-42.42	PASS



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Scan code to check authenticity



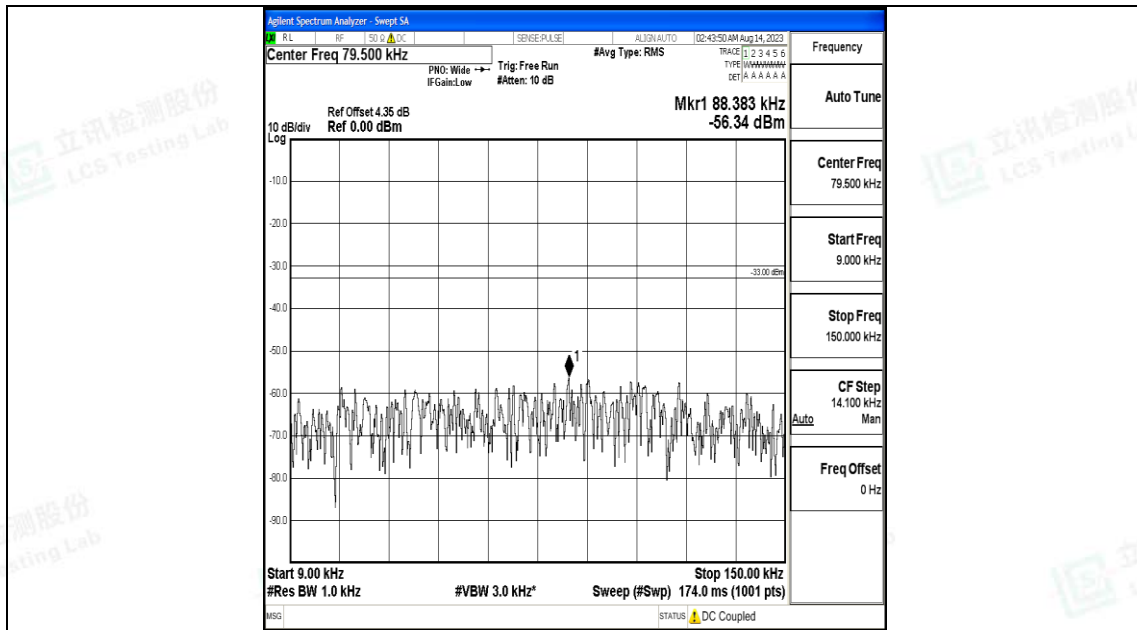
Band12	5MHz	16QAM	23095	1RB#0	0.009~0.15	-57.94	PASS
Band12	5MHz	16QAM	23095	1RB#0	0.15~30	-53.85	PASS
Band12	5MHz	16QAM	23095	1RB#0	30~1000	-62.04	PASS
Band12	5MHz	16QAM	23095	1RB#0	1000~3000	-43.68	PASS
Band12	5MHz	16QAM	23095	1RB#0	3000~10000	-43.87	PASS
Band12	5MHz	QPSK	23155	1RB#0	0.009~0.15	-53.92	PASS
Band12	5MHz	QPSK	23155	1RB#0	0.15~30	-54.57	PASS
Band12	5MHz	QPSK	23155	1RB#0	30~1000	-62.32	PASS
Band12	5MHz	QPSK	23155	1RB#0	1000~3000	-40.21	PASS
Band12	5MHz	QPSK	23155	1RB#0	3000~10000	-41.61	PASS
Band12	5MHz	16QAM	23155	1RB#0	0.009~0.15	-57.75	PASS
Band12	5MHz	16QAM	23155	1RB#0	0.15~30	-53.54	PASS
Band12	5MHz	16QAM	23155	1RB#0	30~1000	-62.91	PASS
Band12	5MHz	16QAM	23155	1RB#0	1000~3000	-41.77	PASS
Band12	5MHz	16QAM	23155	1RB#0	3000~10000	-44.09	PASS
Band12	10MHz	QPSK	23060	1RB#0	0.009~0.15	-54.13	PASS
Band12	10MHz	QPSK	23060	1RB#0	0.15~30	-52.96	PASS
Band12	10MHz	QPSK	23060	1RB#0	30~1000	-62.70	PASS
Band12	10MHz	QPSK	23060	1RB#0	1000~3000	-43.91	PASS
Band12	10MHz	QPSK	23060	1RB#0	3000~10000	-40.11	PASS
Band12	10MHz	16QAM	23060	1RB#0	0.009~0.15	-56.70	PASS
Band12	10MHz	16QAM	23060	1RB#0	0.15~30	-53.31	PASS
Band12	10MHz	16QAM	23060	1RB#0	30~1000	-62.92	PASS
Band12	10MHz	16QAM	23060	1RB#0	1000~3000	-44.45	PASS
Band12	10MHz	16QAM	23060	1RB#0	3000~10000	-42.56	PASS
Band12	10MHz	QPSK	23095	1RB#0	0.009~0.15	-52.66	PASS
Band12	10MHz	QPSK	23095	1RB#0	0.15~30	-51.40	PASS
Band12	10MHz	QPSK	23095	1RB#0	30~1000	-62.83	PASS
Band12	10MHz	QPSK	23095	1RB#0	1000~3000	-41.95	PASS
Band12	10MHz	QPSK	23095	1RB#0	3000~10000	-42.42	PASS
Band12	10MHz	16QAM	23095	1RB#0	0.009~0.15	-56.90	PASS
Band12	10MHz	16QAM	23095	1RB#0	0.15~30	-51.43	PASS
Band12	10MHz	16QAM	23095	1RB#0	30~1000	-62.88	PASS
Band12	10MHz	16QAM	23095	1RB#0	1000~3000	-43.93	PASS
Band12	10MHz	16QAM	23095	1RB#0	3000~10000	-42.33	PASS
Band12	10MHz	QPSK	23130	1RB#0	0.009~0.15	-52.22	PASS
Band12	10MHz	QPSK	23130	1RB#0	0.15~30	-53.71	PASS
Band12	10MHz	QPSK	23130	1RB#0	30~1000	-62.78	PASS
Band12	10MHz	QPSK	23130	1RB#0	1000~3000	-41.53	PASS
Band12	10MHz	QPSK	23130	1RB#0	3000~10000	-42.86	PASS



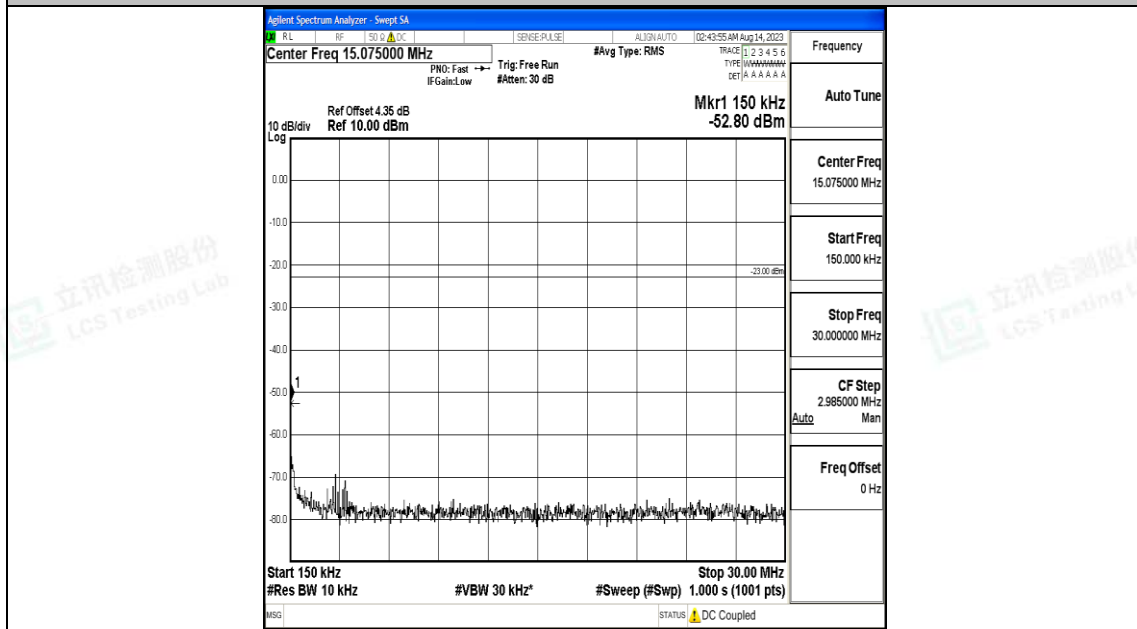


Band12	10MHz	16QAM	23130	1RB#0	0.009~0.15	-57.93	PASS
Band12	10MHz	16QAM	23130	1RB#0	0.15~30	-53.75	PASS
Band12	10MHz	16QAM	23130	1RB#0	30~1000	-63.17	PASS
Band12	10MHz	16QAM	23130	1RB#0	1000~3000	-44.28	PASS
Band12	10MHz	16QAM	23130	1RB#0	3000~10000	-43.27	PASS

### Test Graphs

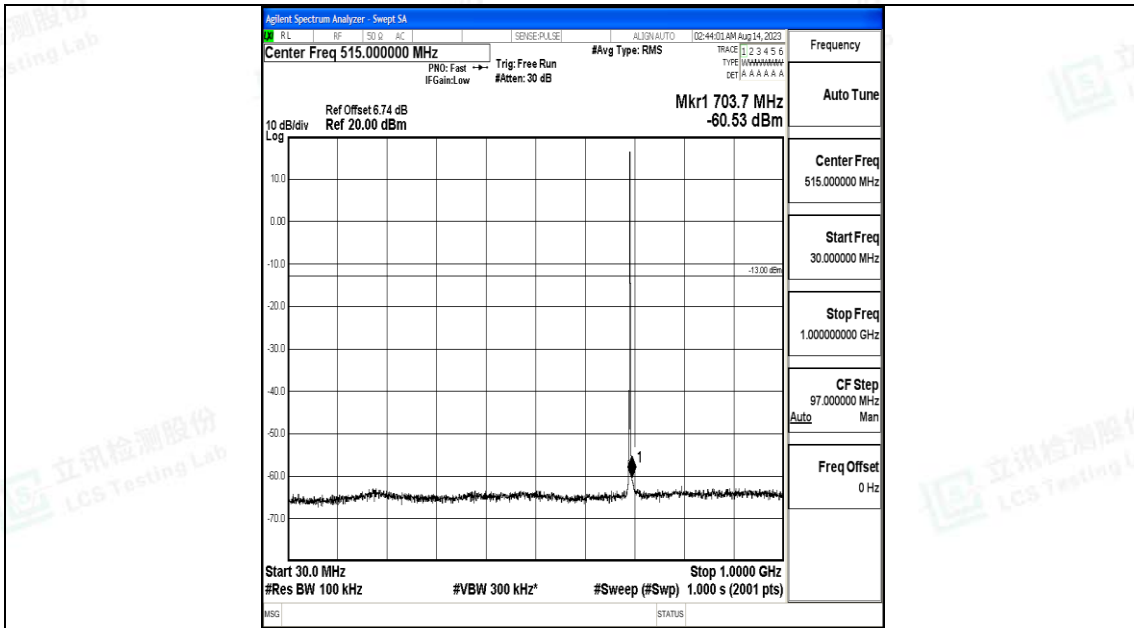


Band12\_1.4MHz\_QPSK\_23017\_1RB#0\_0.009~0.15\_0.009~0.15

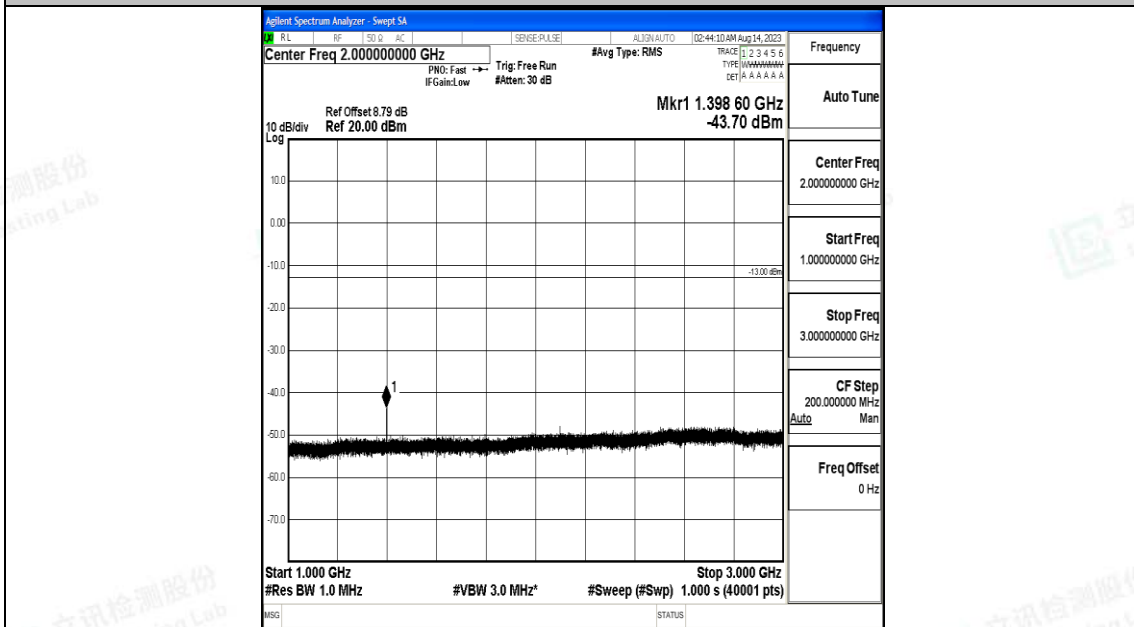


Band12\_1.4MHz\_QPSK\_23017\_1RB#0\_0.15~30\_0.15~30



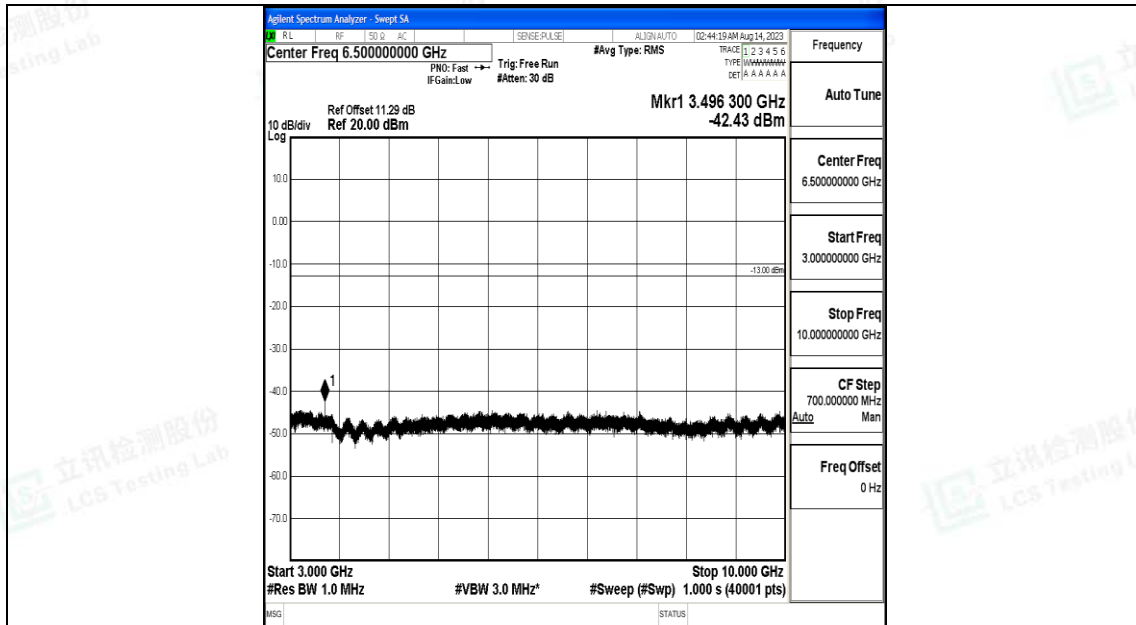


Band12\_1.4MHz\_QPSK\_23017\_1RB#0\_30~1000\_30~1000

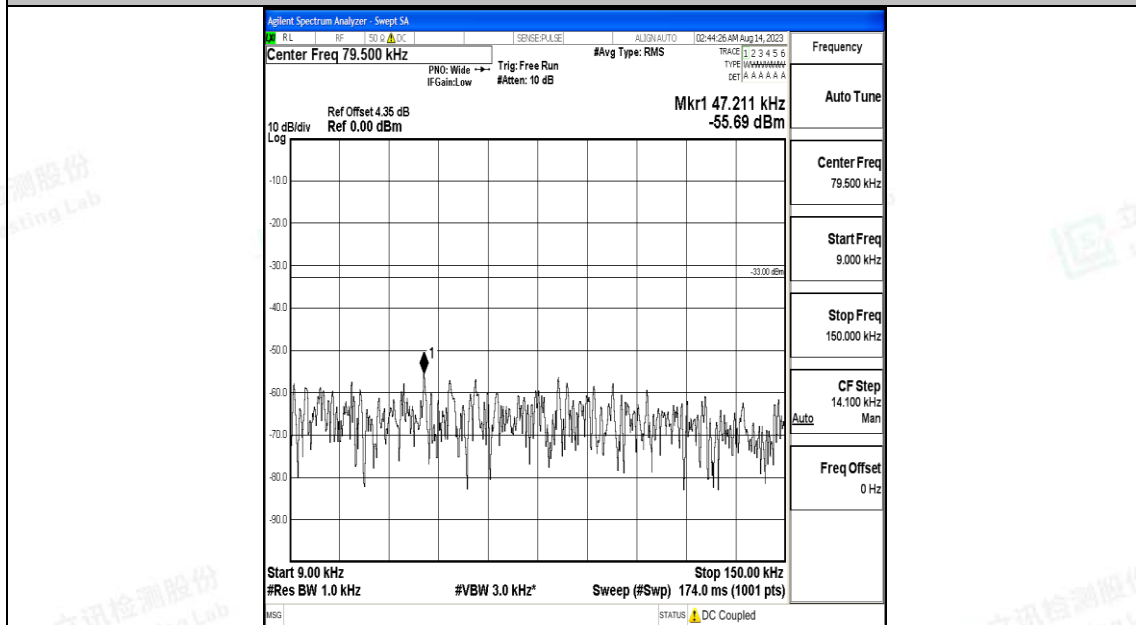


Band12\_1.4MHz\_QPSK\_23017\_1RB#0\_1000~3000\_1000~3000



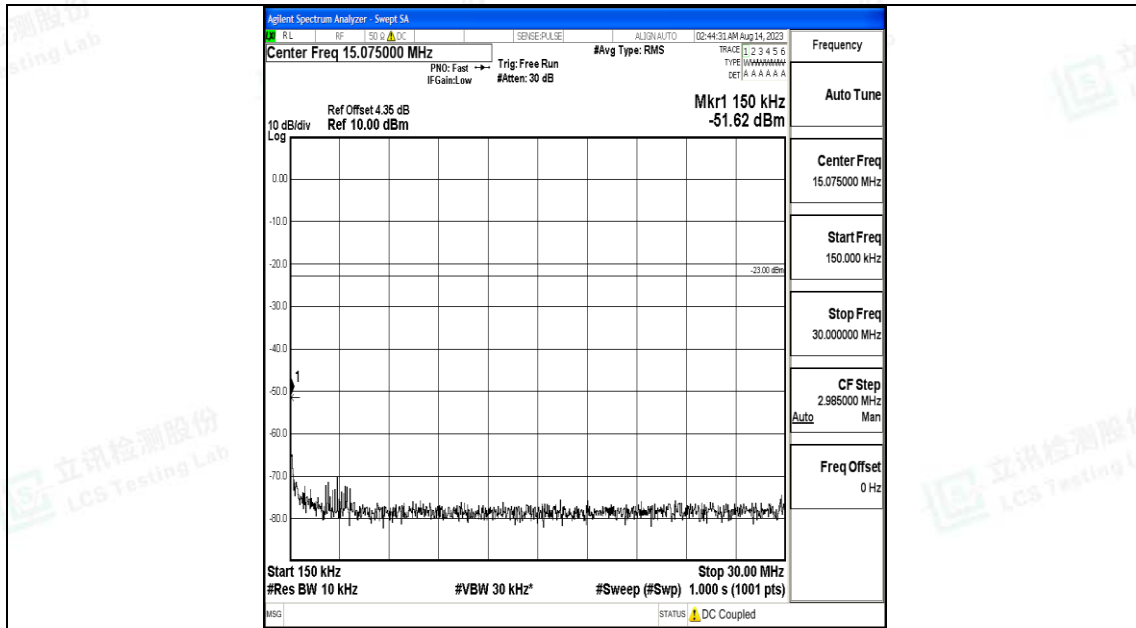


Band12\_1.4MHz\_QPSK\_23017\_1RB#0\_3000~10000\_3000~10000

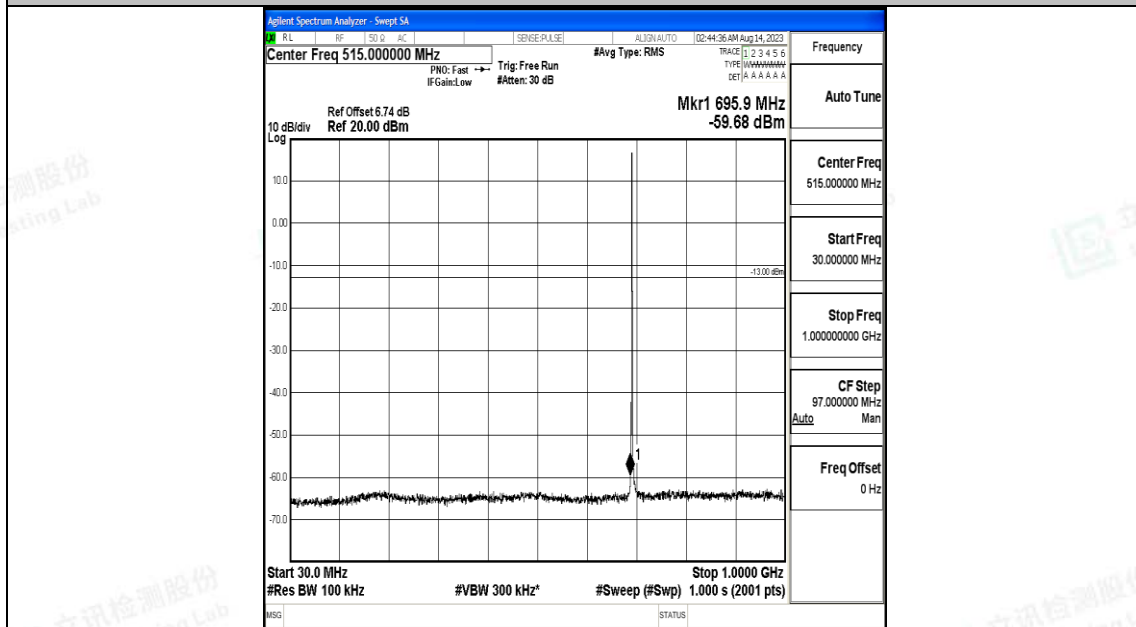


Band12\_1.4MHz\_16QAM\_23017\_1RB#0\_0.009~0.15\_0.009~0.15





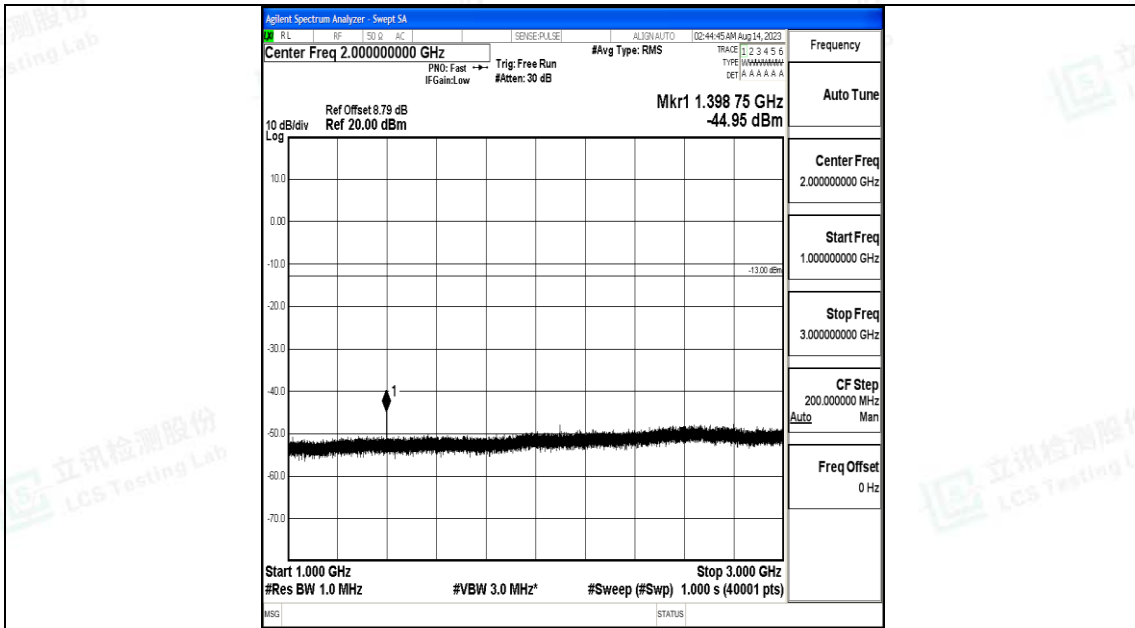
Band12\_1.4MHz\_16QAM\_23017\_1RB#0\_0.15~30\_0.15~30



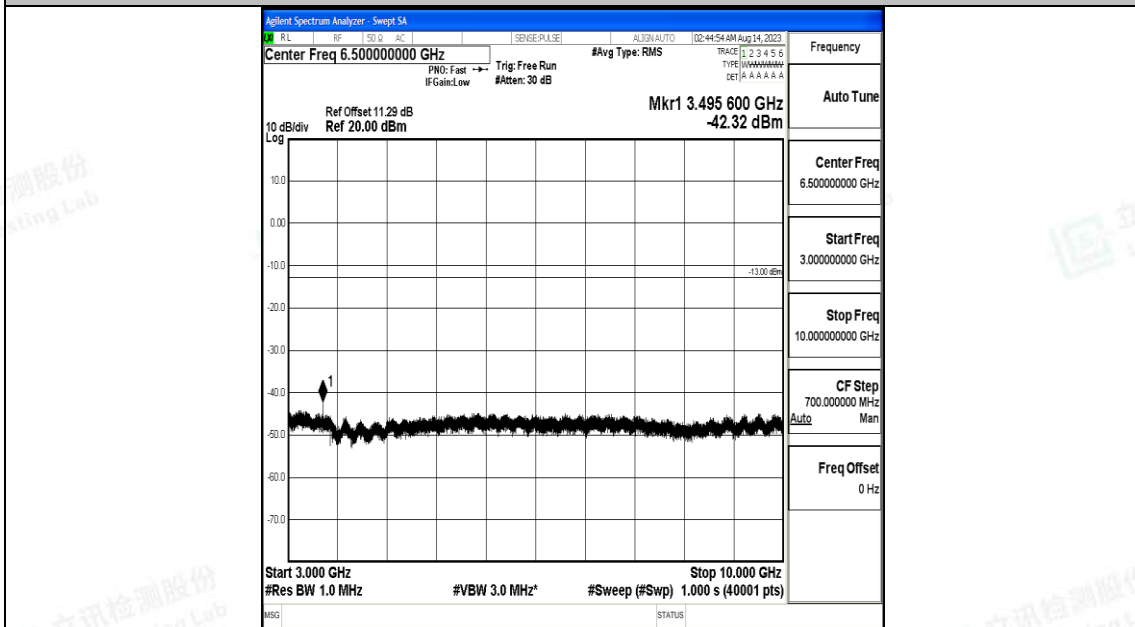
Band12\_1.4MHz\_16QAM\_23017\_1RB#0\_30~1000\_30~1000





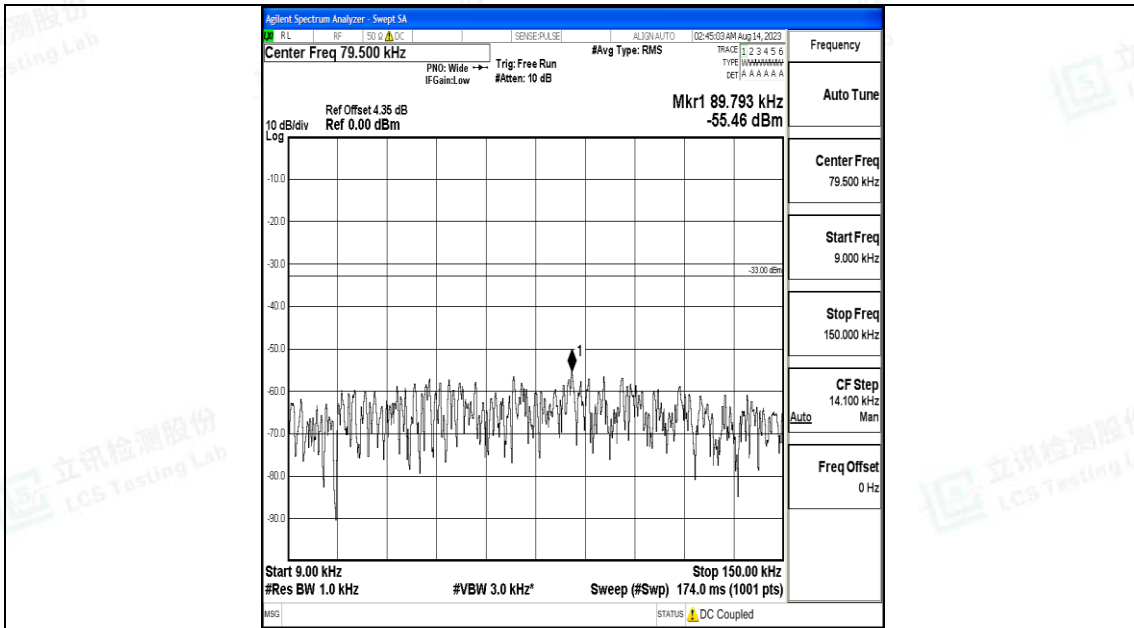


Band12\_1.4MHz\_16QAM\_23017\_1RB#0\_1000~3000\_1000~3000

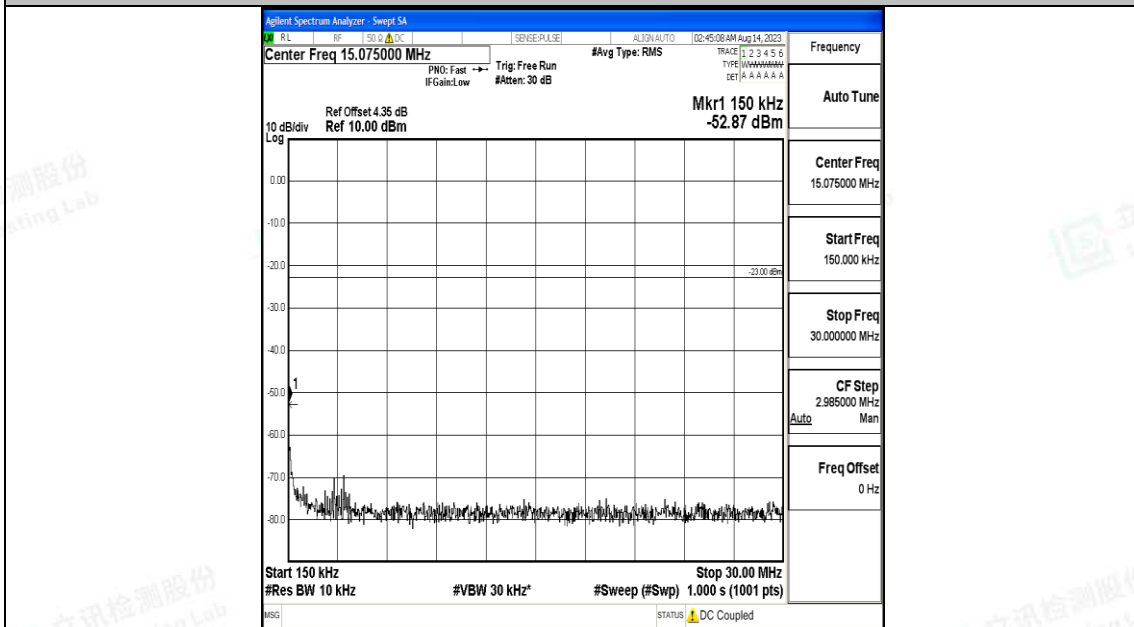


Band12\_1.4MHz\_16QAM\_23017\_1RB#0\_3000~10000\_3000~10000



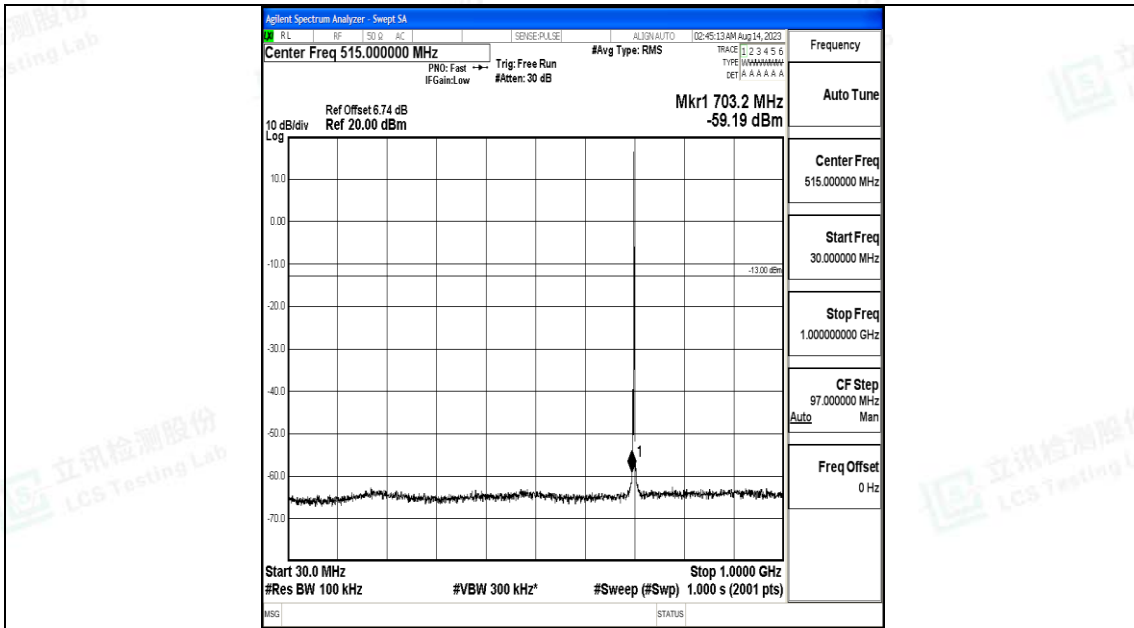


Band12\_1.4MHz\_QPSK\_23095\_1RB#0\_0.009~0.15\_0.009~0.15

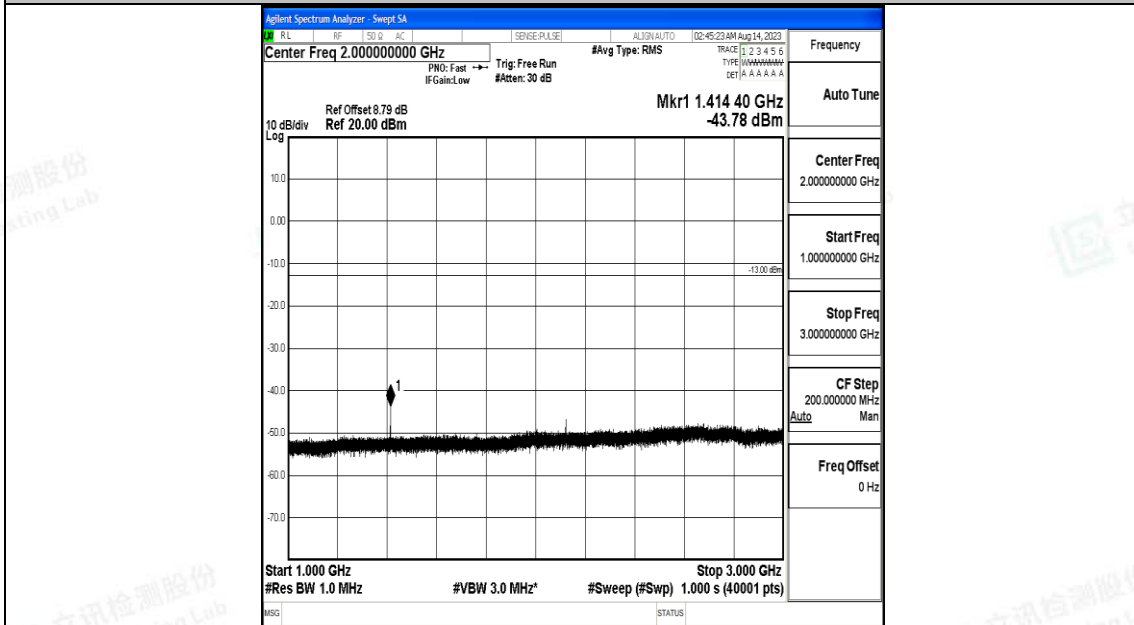


Band12\_1.4MHz\_QPSK\_23095\_1RB#0\_0.15~30\_0.15~30



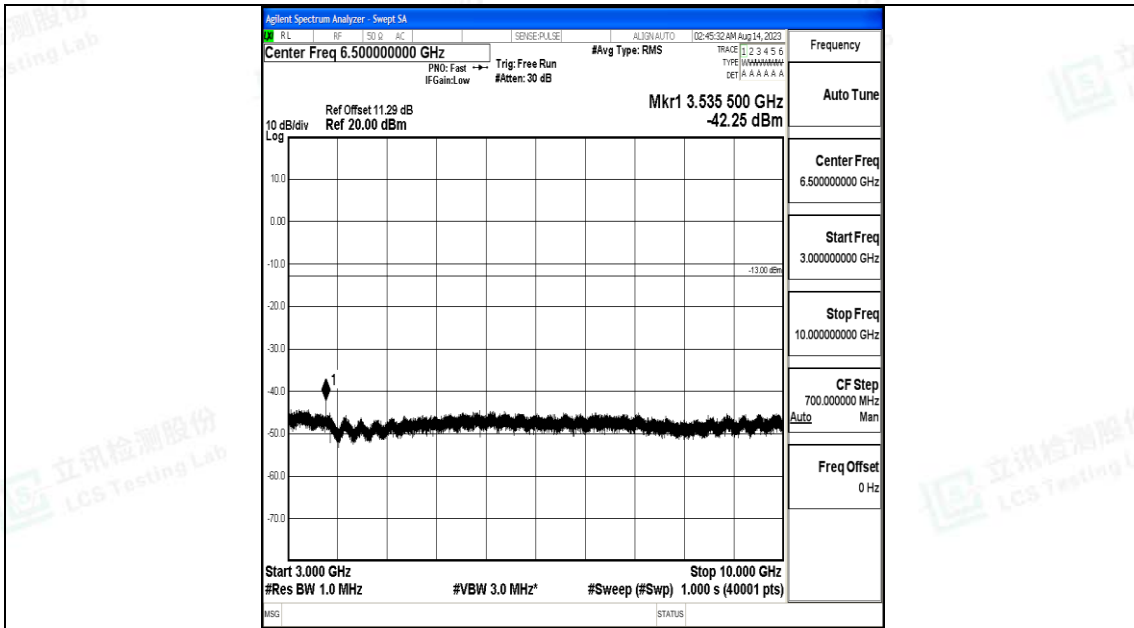


Band12\_1.4MHz\_QPSK\_23095\_1RB#0\_30~1000\_30~1000

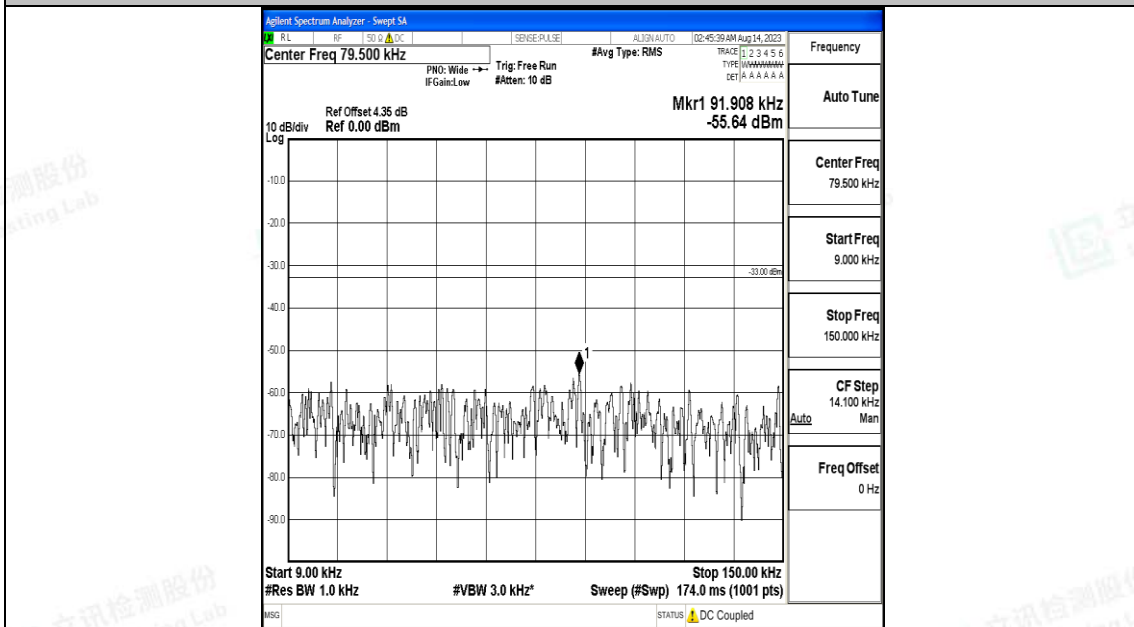


Band12\_1.4MHz\_QPSK\_23095\_1RB#0\_1000~3000\_1000~3000



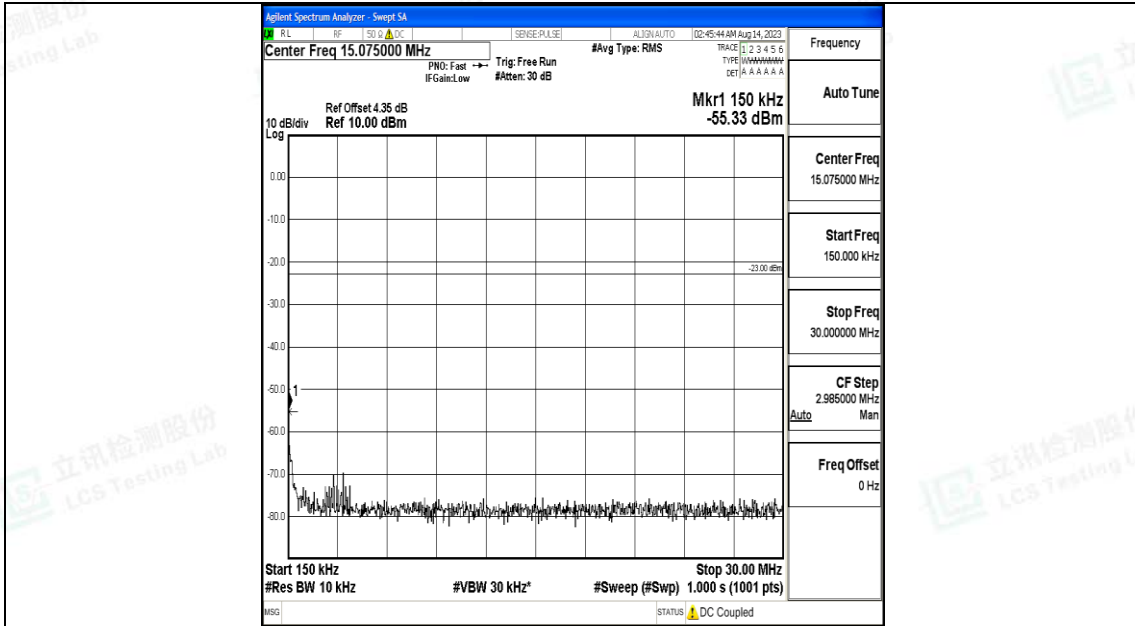


Band12\_1.4MHz\_QPSK\_23095\_1RB#0\_3000~10000\_3000~10000

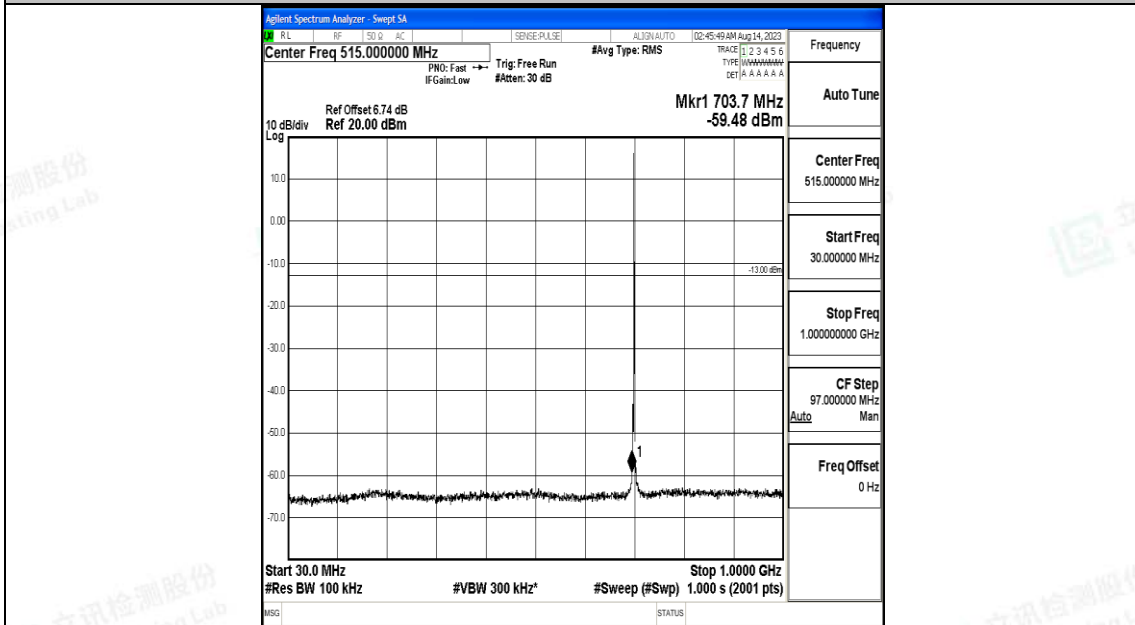


Band12\_1.4MHz\_16QAM\_23095\_1RB#0\_0.009~0.15\_0.009~0.15



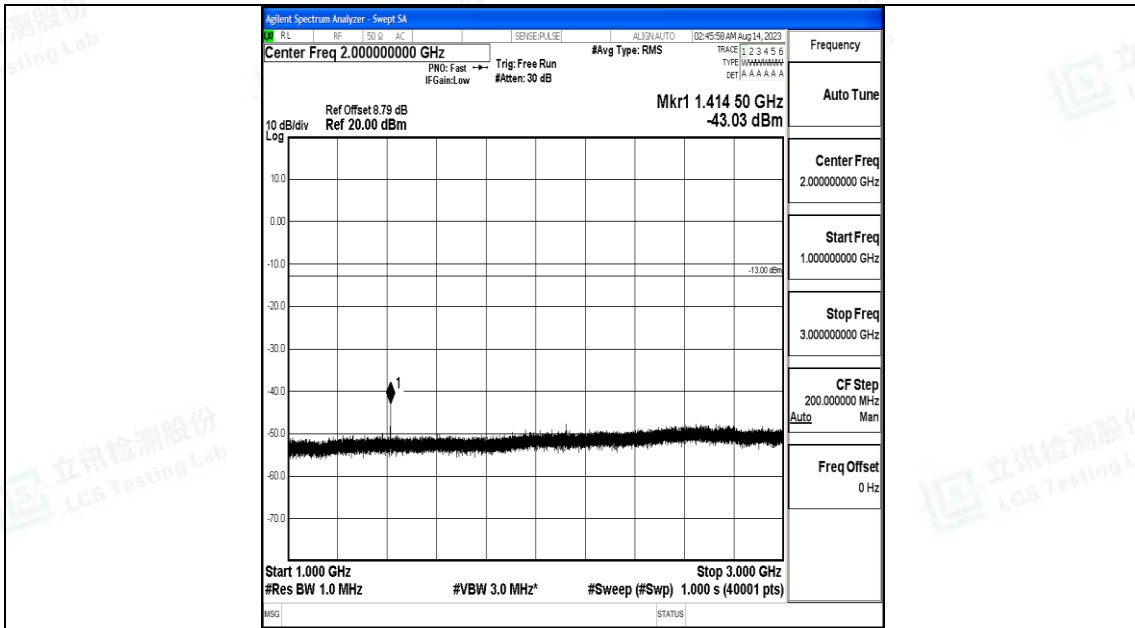


Band12\_1.4MHz\_16QAM\_23095\_1RB#0\_0.15~30\_0.15~30

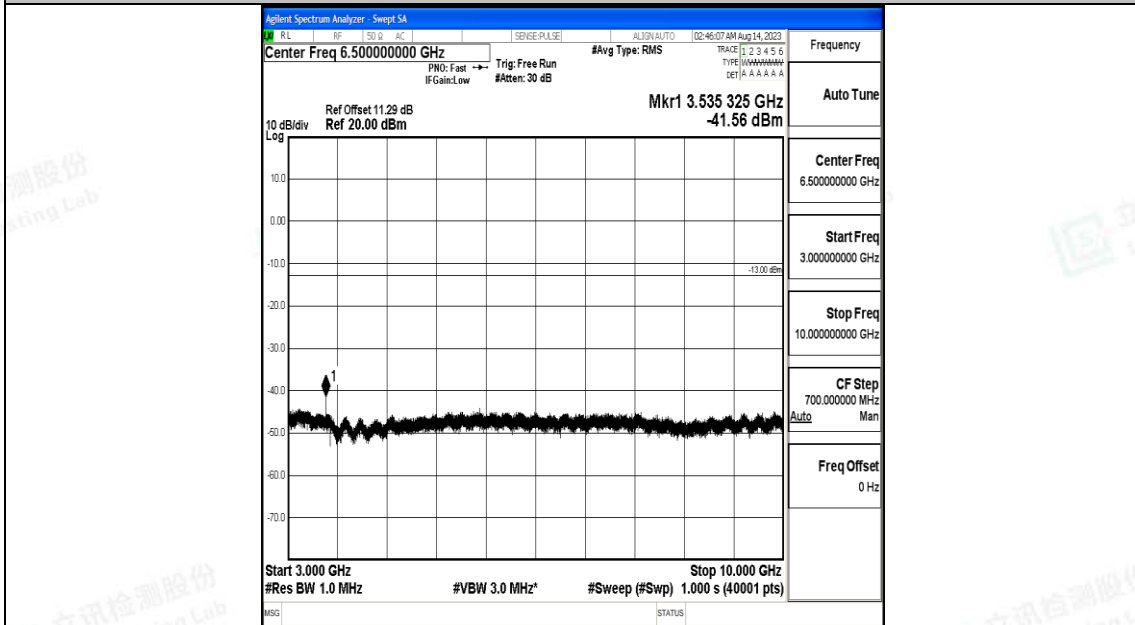


Band12\_1.4MHz\_16QAM\_23095\_1RB#0\_30~1000\_30~1000



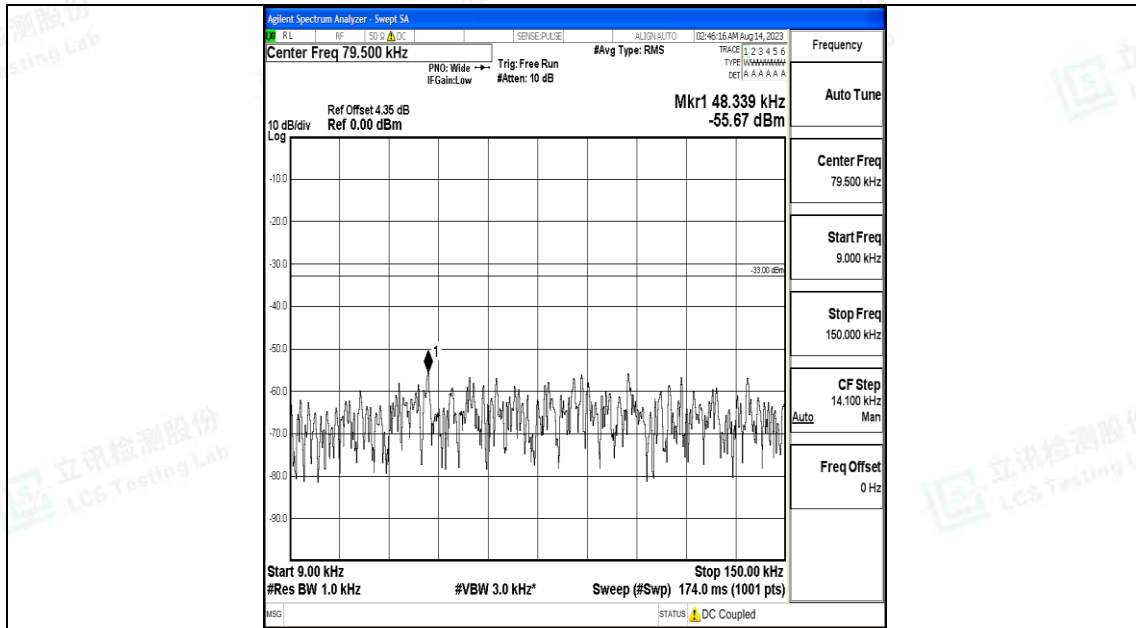


Band12\_1.4MHz\_16QAM\_23095\_1RB#0\_1000~3000\_1000~3000

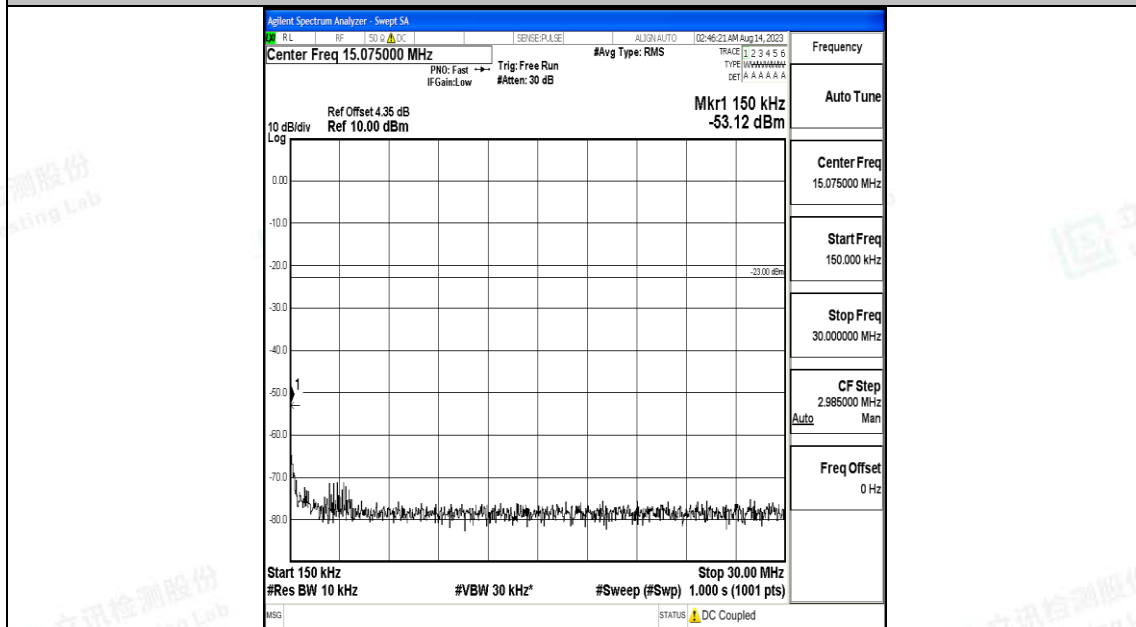


Band12\_1.4MHz\_16QAM\_23095\_1RB#0\_3000~10000\_3000~10000



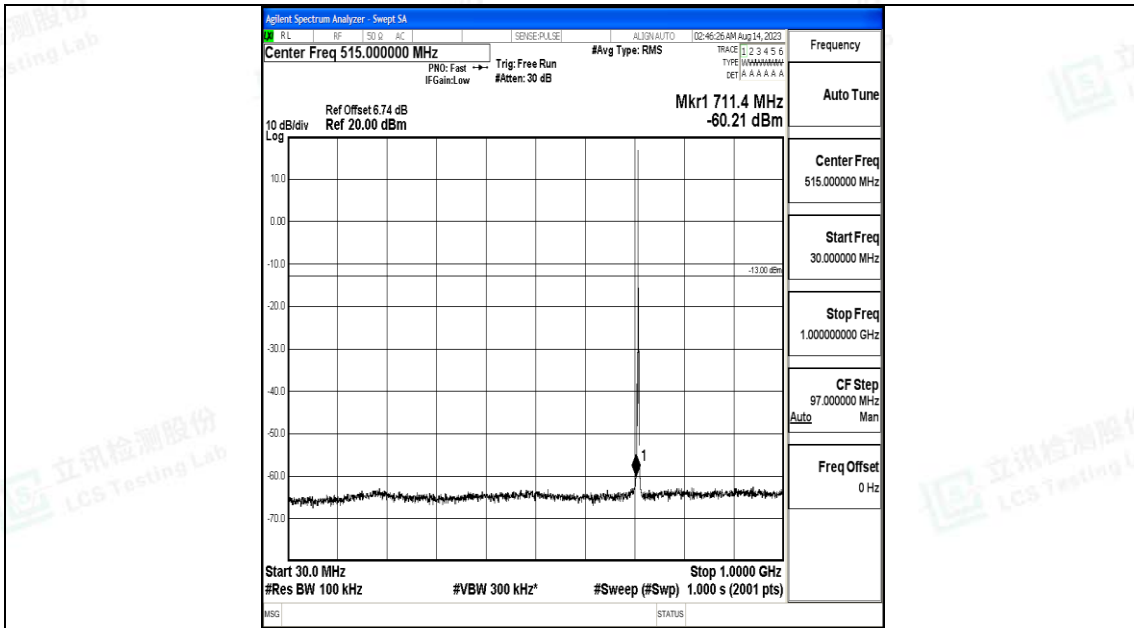


Band12\_1.4MHz\_QPSK\_23173\_1RB#0\_0.009~0.15\_0.009~0.15

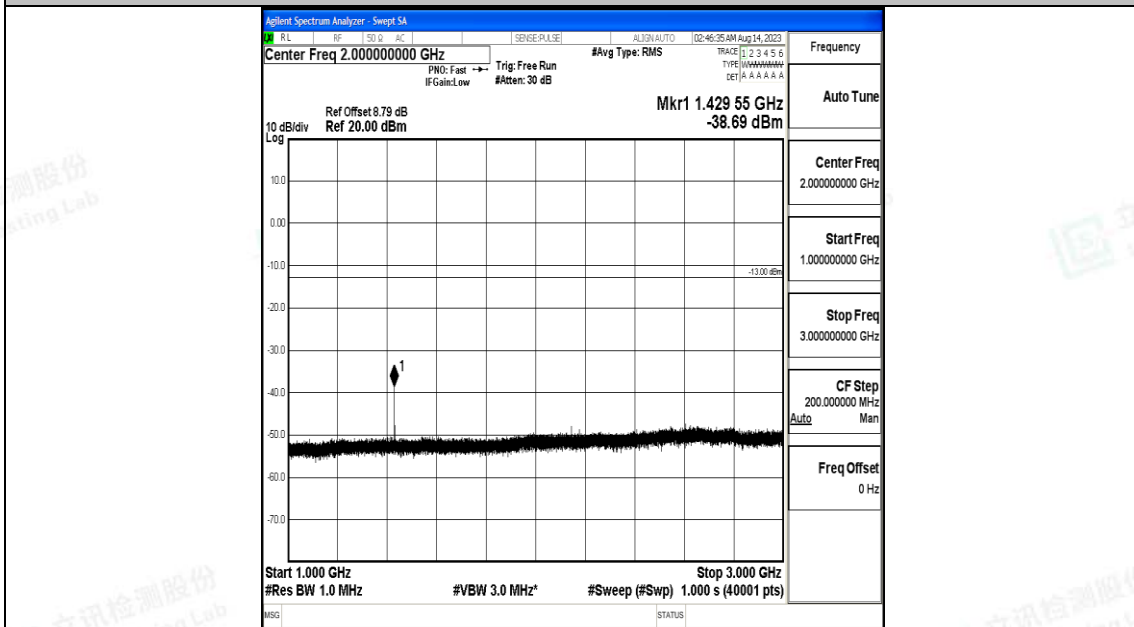


Band12\_1.4MHz\_QPSK\_23173\_1RB#0\_0.15~30\_0.15~30





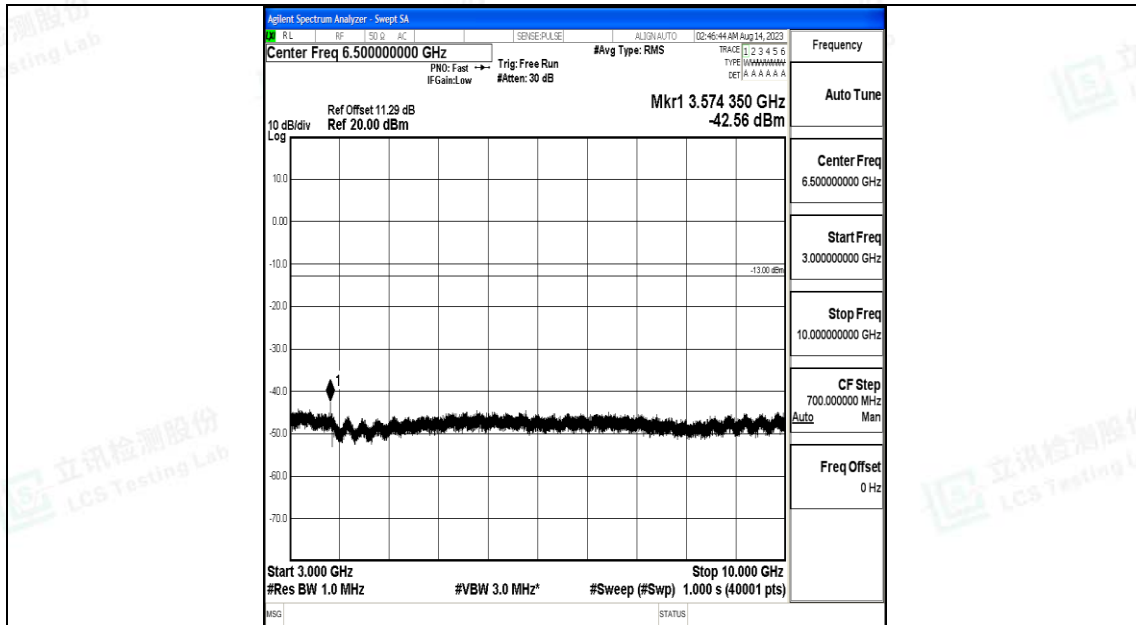
Band12\_1.4MHz\_QPSK\_23173\_1RB#0\_30~1000\_30~1000



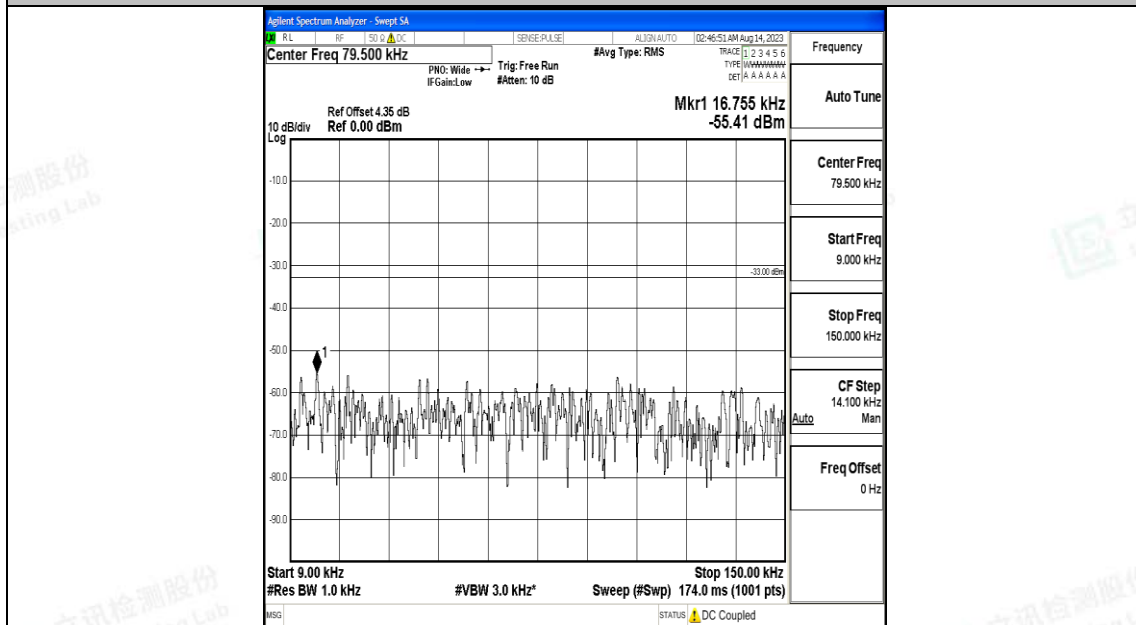
Band12\_1.4MHz\_QPSK\_23173\_1RB#0\_1000~3000\_1000~3000





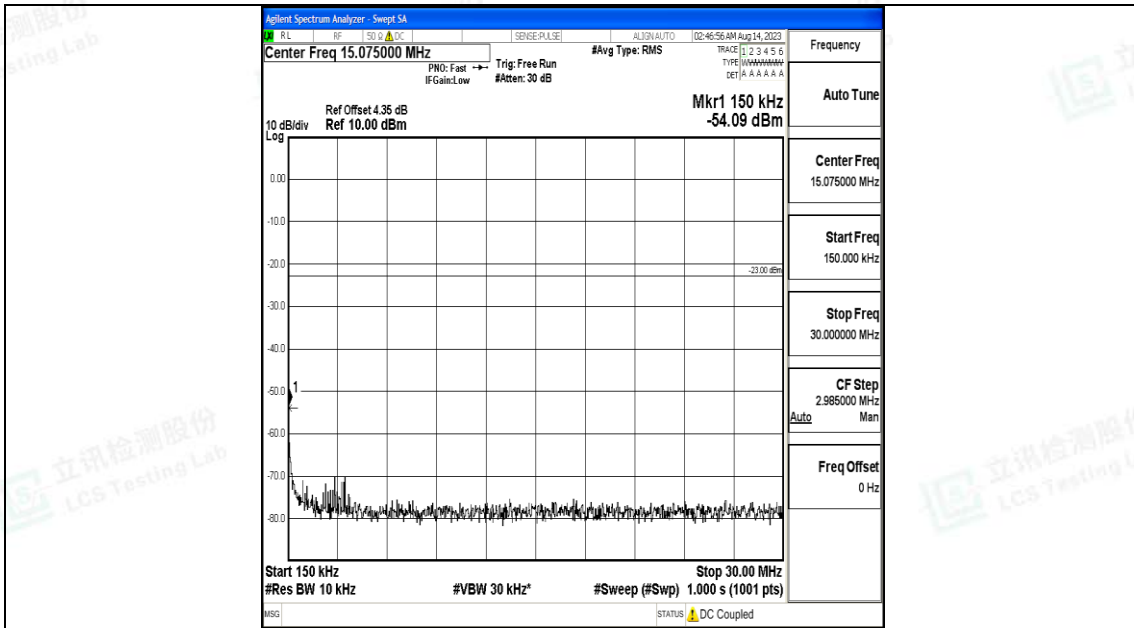


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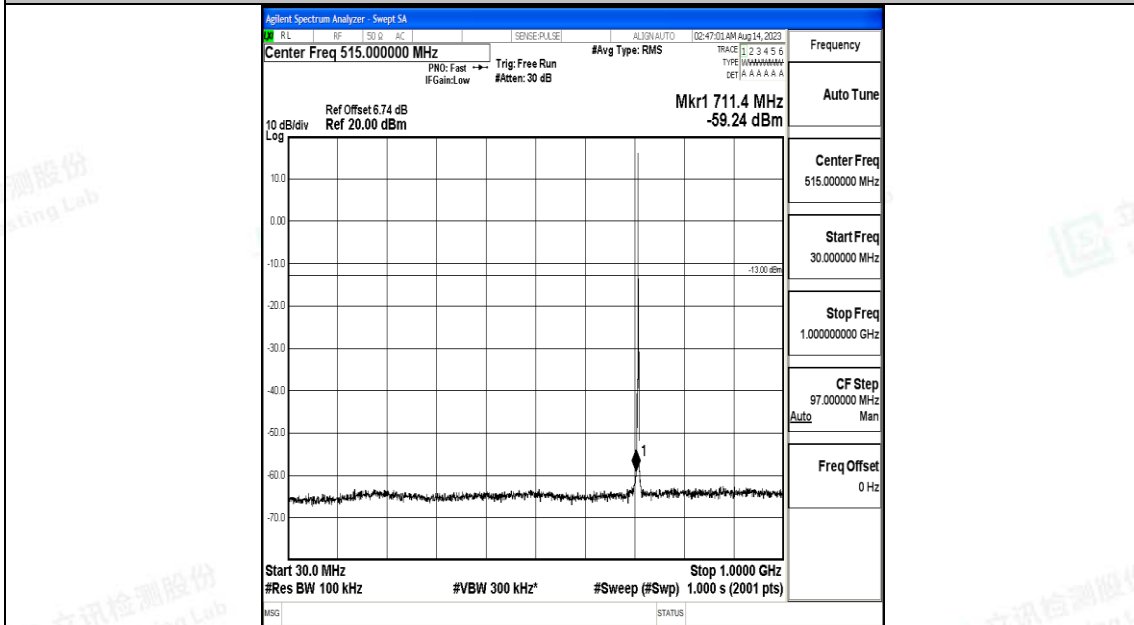


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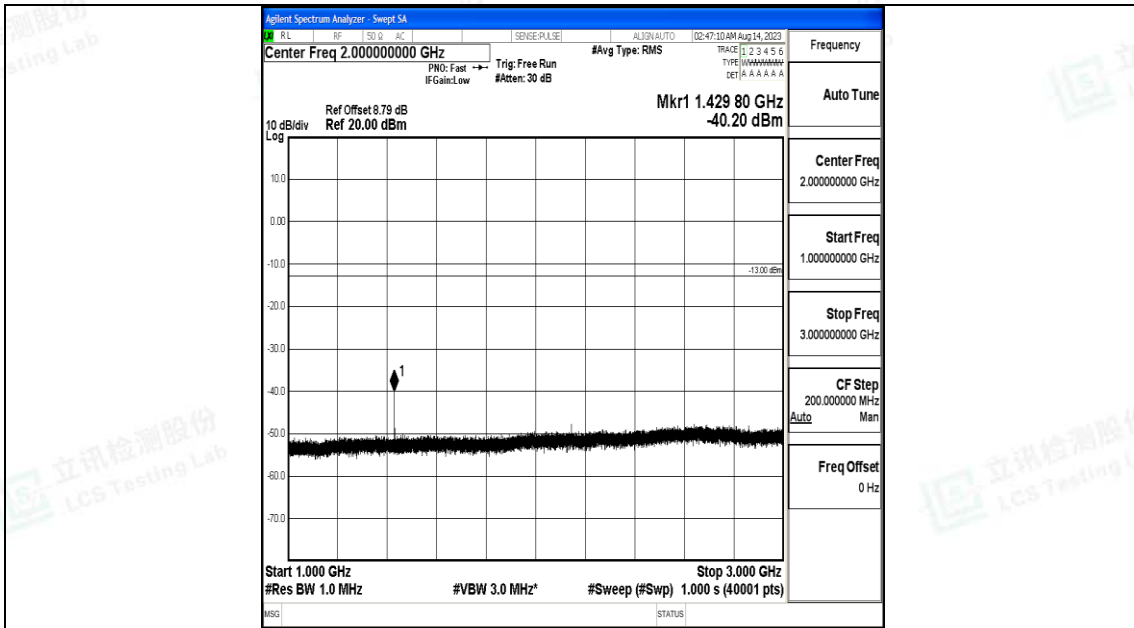


Band12\_1.4MHz\_16QAM\_23173\_1RB#0\_0.15~30\_0.15~30

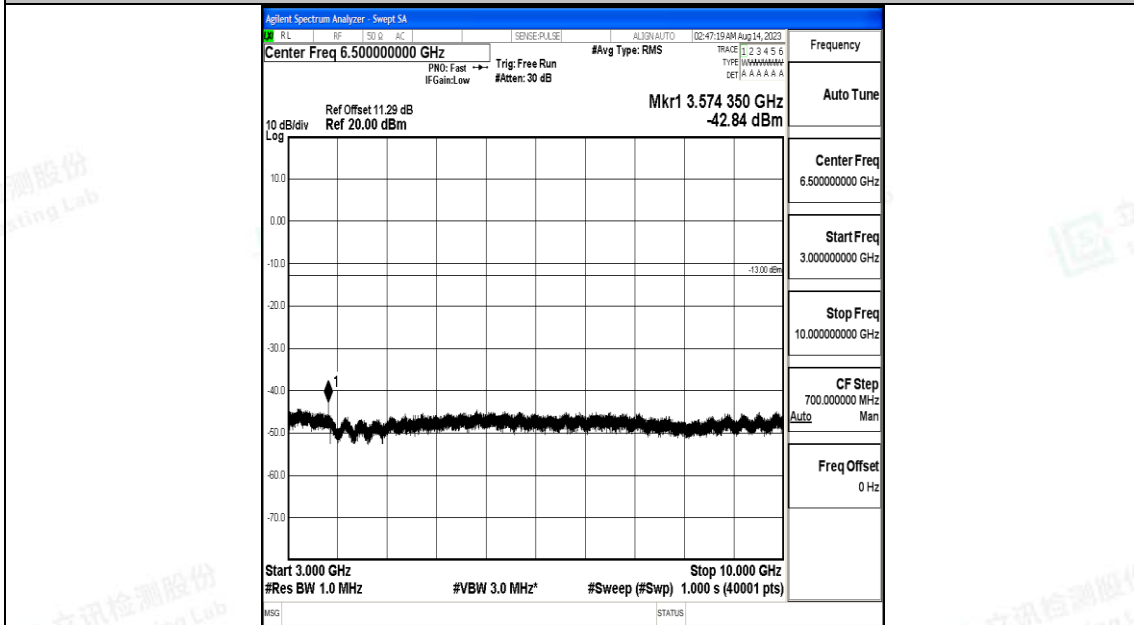


Band12\_1.4MHz\_16QAM\_23173\_1RB#0\_30~1000\_30~1000



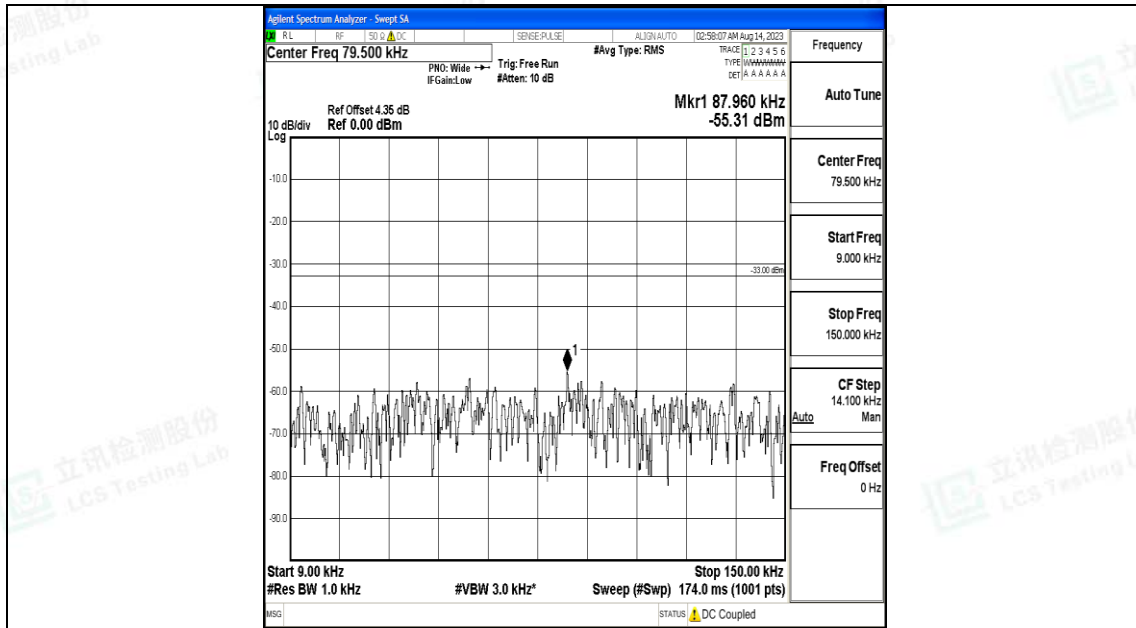


Band12\_1.4MHz\_16QAM\_23173\_1RB#0\_1000~3000\_1000~3000

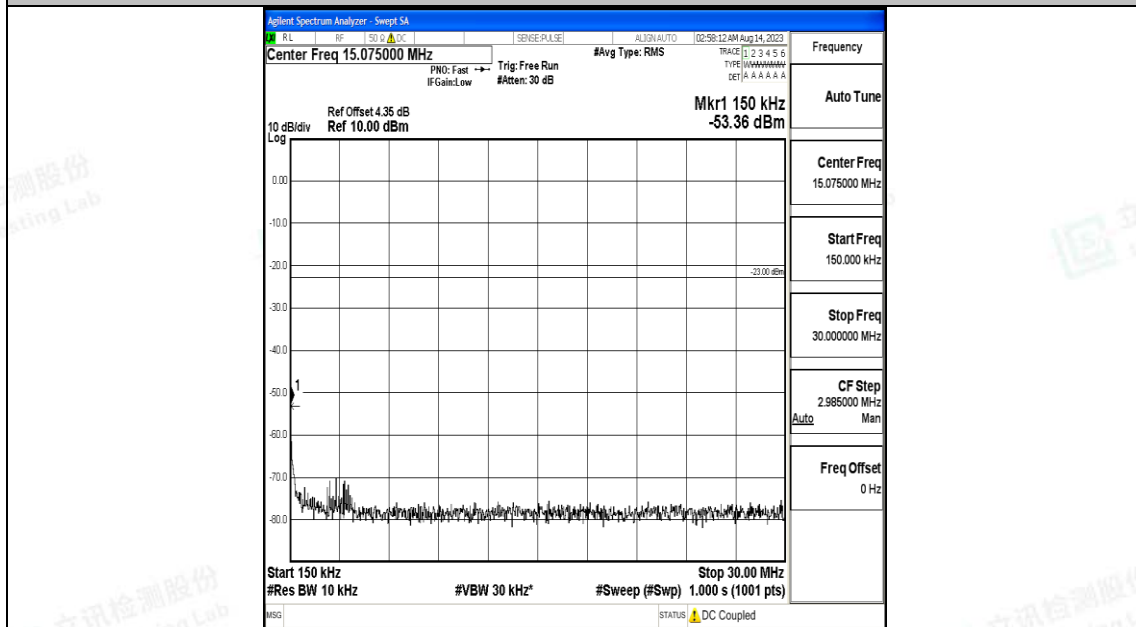


Band12\_1.4MHz\_16QAM\_23173\_1RB#0\_3000~10000\_3000~10000



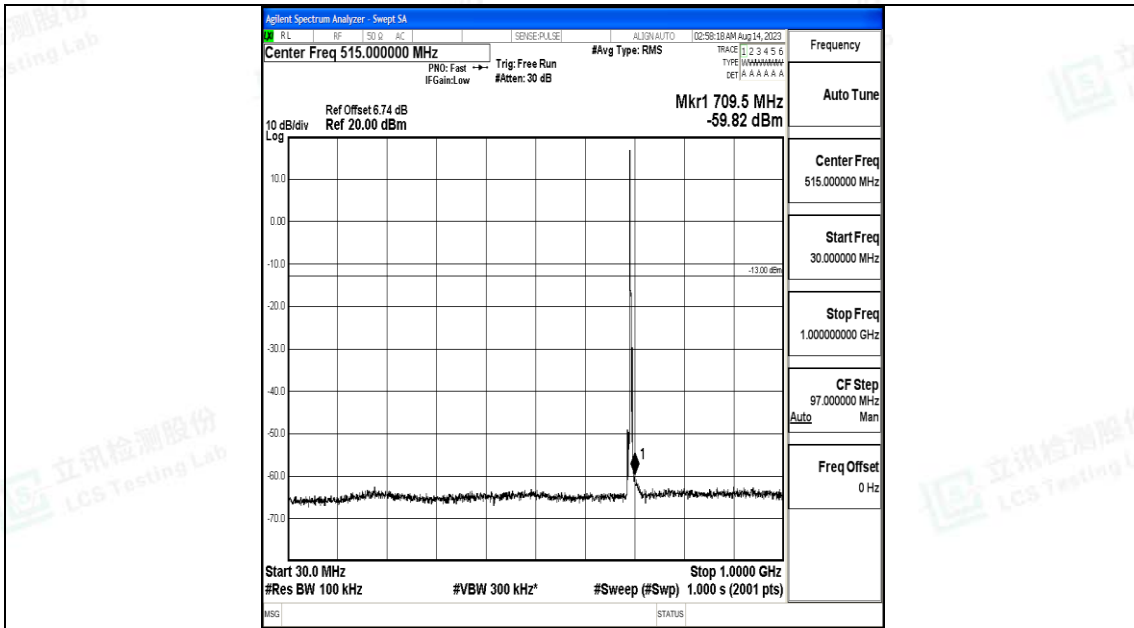


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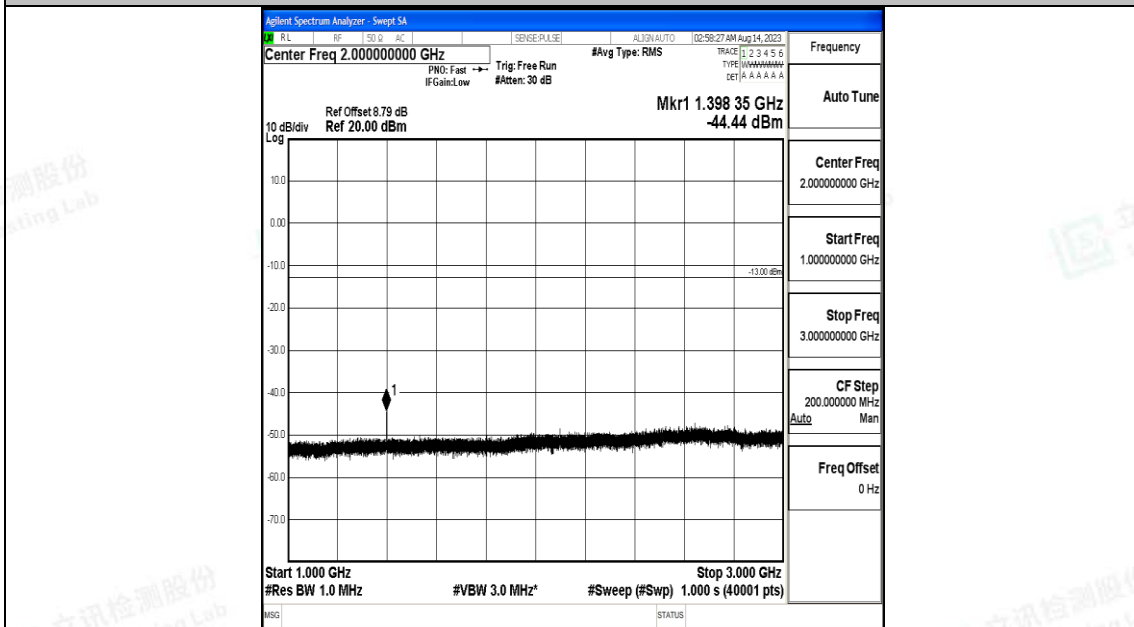


Band12\_3MHz\_QPSK\_23025\_1RB#0\_0.15~30\_0.15~30



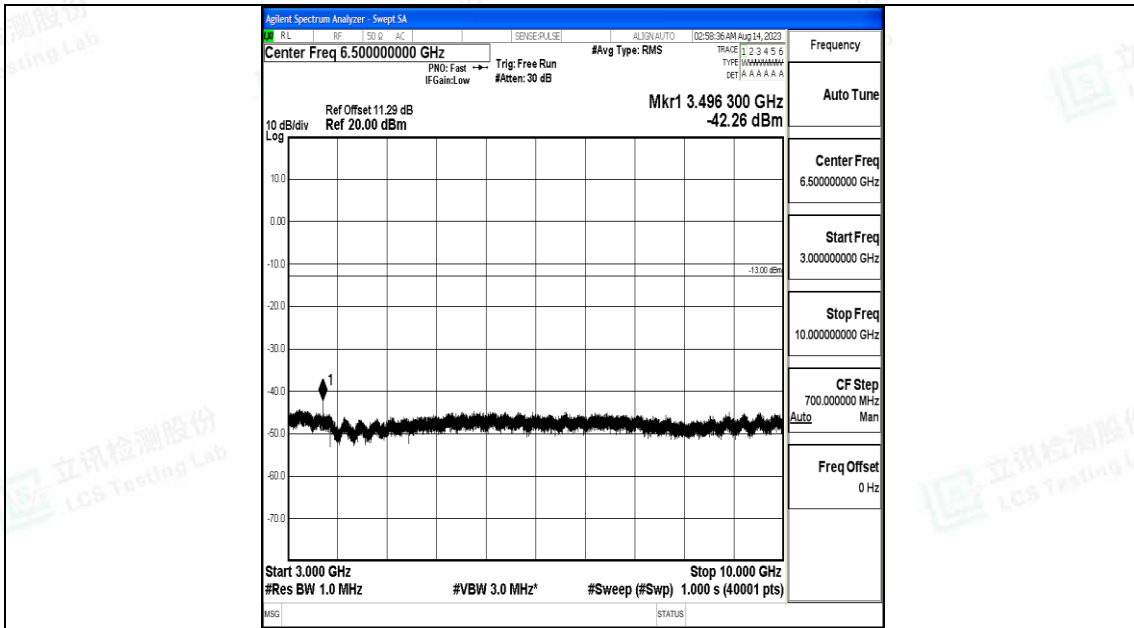


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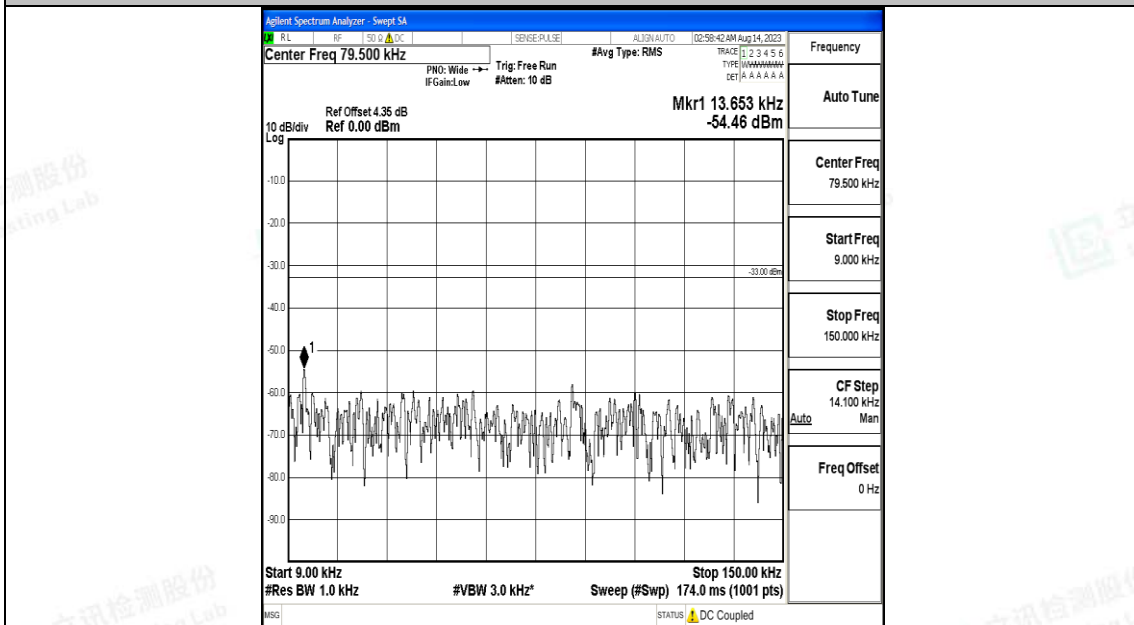


Band12\_3MHz\_QPSK\_23025\_1RB#0\_1000~3000\_1000~3000



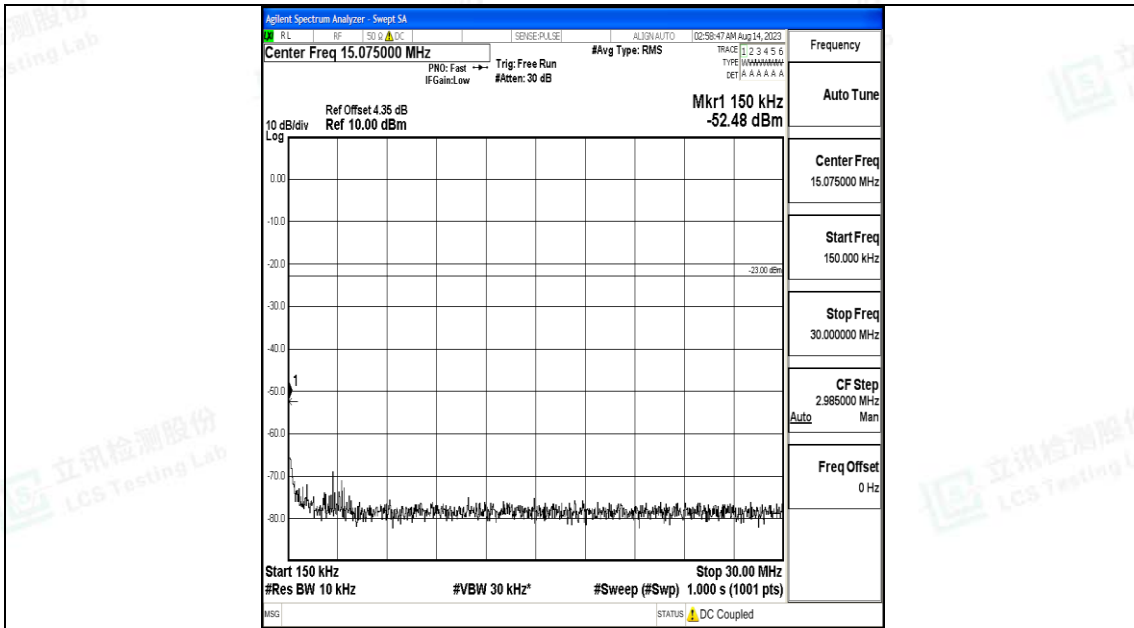


Band12\_3MHz\_QPSK\_23025\_1RB#0\_3000~10000\_3000~10000

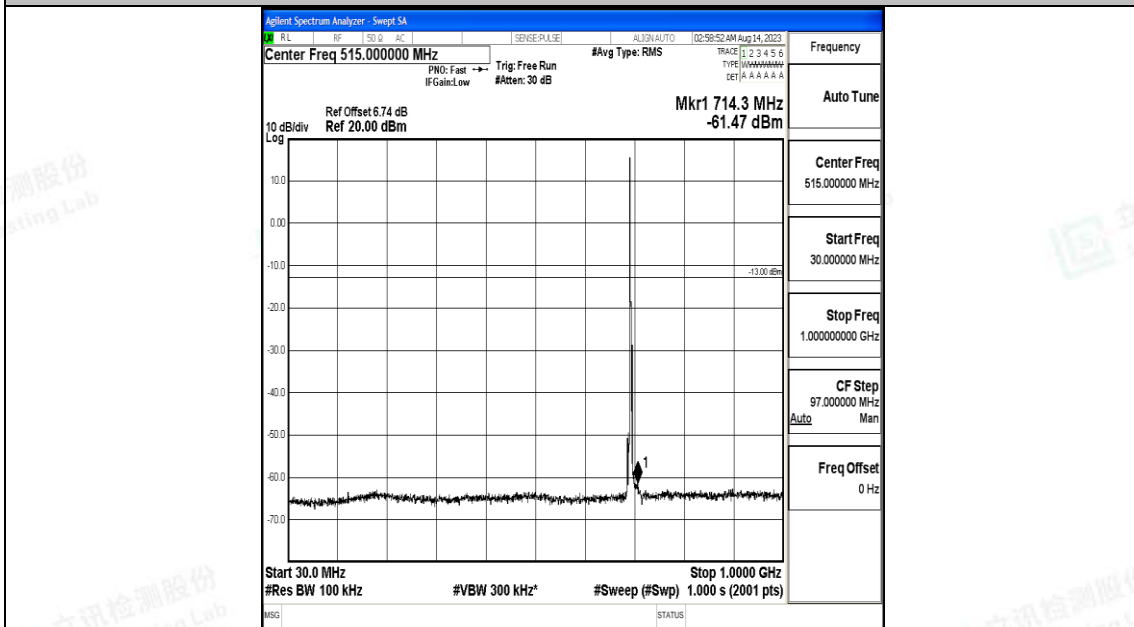


Band12\_3MHz\_16QAM\_23025\_1RB#0\_0.009~0.15\_0.009~0.15



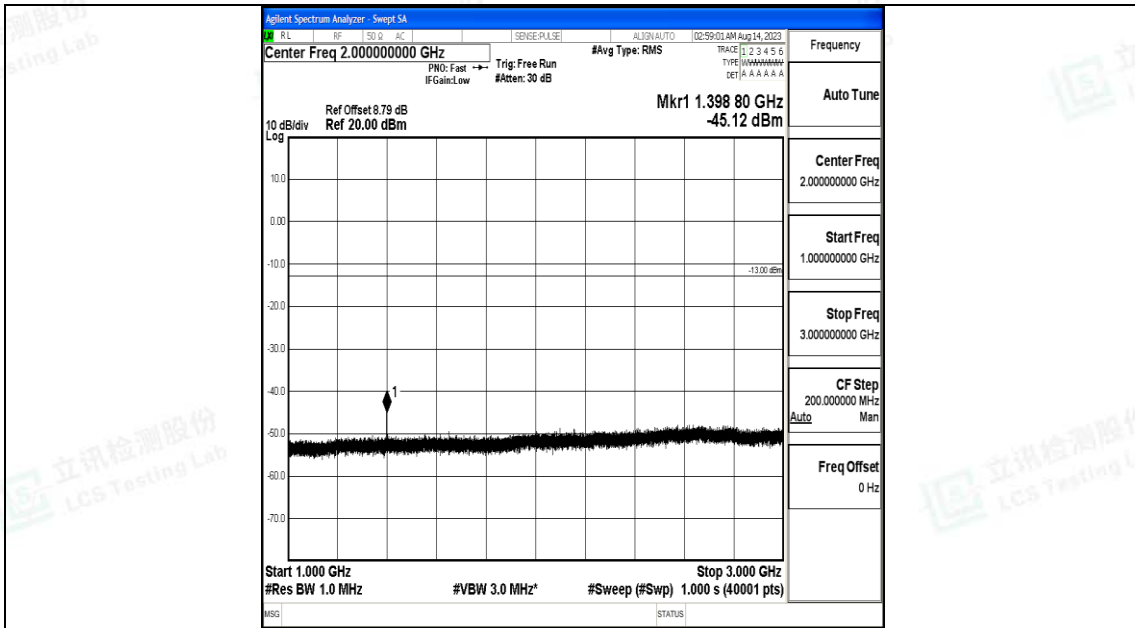


Band12\_3MHz\_16QAM\_23025\_1RB#0\_0.15~30\_0.15~30

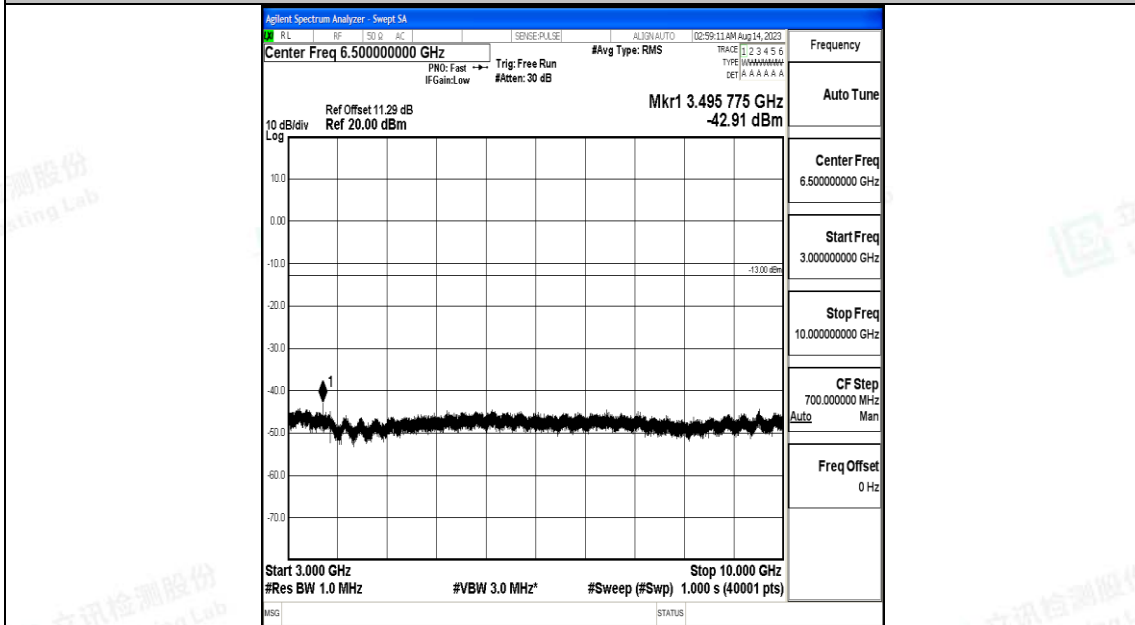


Band12\_3MHz\_16QAM\_23025\_1RB#0\_30~1000\_30~1000





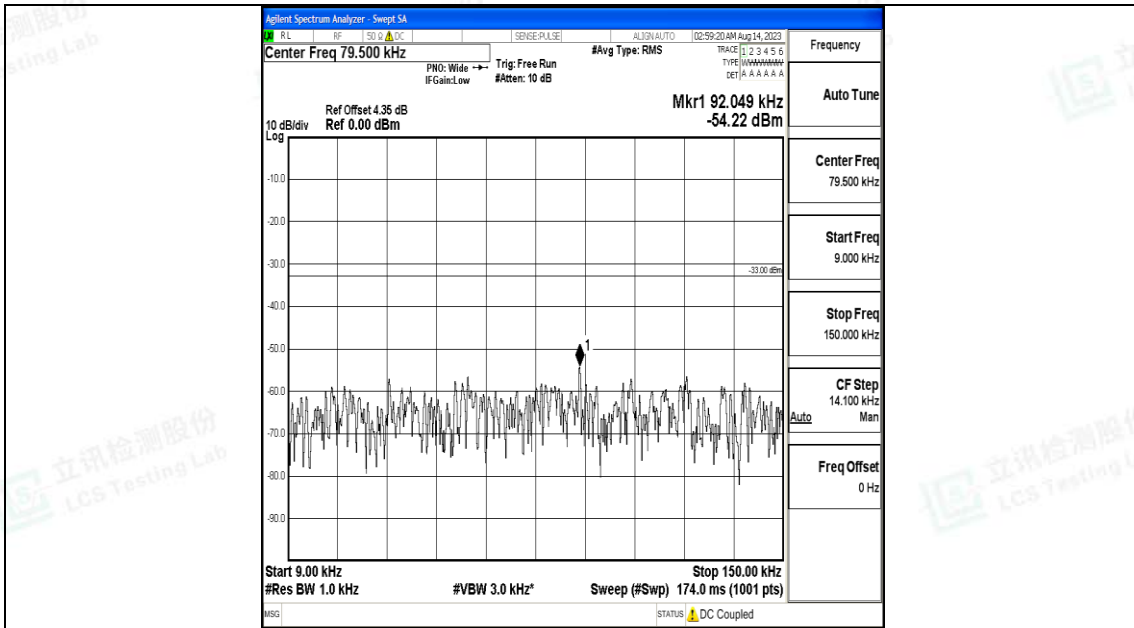
Band12\_3MHz\_16QAM\_23025\_1RB#0\_1000~3000\_1000~3000



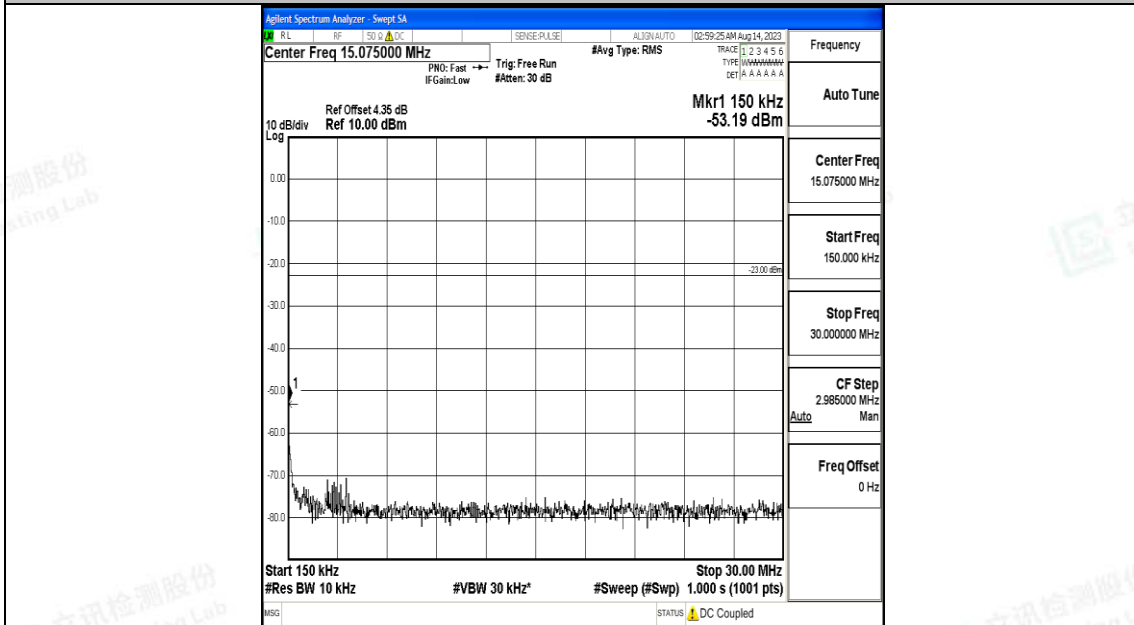
Band12\_3MHz\_16QAM\_23025\_1RB#0\_3000~10000\_3000~10000







Band12\_3MHz\_QPSK\_23095\_1RB#0\_0.009~0.15\_0.009~0.15



Band12\_3MHz\_QPSK\_23095\_1RB#0\_0.15~30\_0.15~30

