



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

**Product Name: Puya**

**Test Model: HPPAP39**

### 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	22.67	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	22.49	PASS
Band12	1.4MHz	QPSK	23017	1RB#2	22.58	PASS
Band12	1.4MHz	16QAM	23017	1RB#2	22.61	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	22.63	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	22.52	PASS
Band12	1.4MHz	QPSK	23017	3RB#0	22.71	PASS
Band12	1.4MHz	16QAM	23017	3RB#0	21.45	PASS
Band12	1.4MHz	QPSK	23017	3RB#1	22.59	PASS
Band12	1.4MHz	16QAM	23017	3RB#1	21.44	PASS
Band12	1.4MHz	QPSK	23017	3RB#3	22.73	PASS
Band12	1.4MHz	16QAM	23017	3RB#3	21.47	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	21.54	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	21.36	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	22.63	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	21.99	PASS
Band12	1.4MHz	QPSK	23095	1RB#2	22.69	PASS
Band12	1.4MHz	16QAM	23095	1RB#2	22.44	PASS
Band12	1.4MHz	QPSK	23095	1RB#5	22.61	PASS
Band12	1.4MHz	16QAM	23095	1RB#5	22.13	PASS
Band12	1.4MHz	QPSK	23095	3RB#0	22.71	PASS
Band12	1.4MHz	16QAM	23095	3RB#0	21.32	PASS
Band12	1.4MHz	QPSK	23095	3RB#1	22.73	PASS
Band12	1.4MHz	16QAM	23095	3RB#1	21.32	PASS
Band12	1.4MHz	QPSK	23095	3RB#3	22.69	PASS
Band12	1.4MHz	16QAM	23095	3RB#3	21.26	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	21.68	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	20.77	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	22.51	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	21.04	PASS
Band12	1.4MHz	QPSK	23173	1RB#2	22.55	PASS
Band12	1.4MHz	16QAM	23173	1RB#2	21.66	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	22.47	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	21.72	PASS
Band12	1.4MHz	QPSK	23173	3RB#0	22.48	PASS
Band12	1.4MHz	16QAM	23173	3RB#0	21.35	PASS



Shenzhen LCS Compliance Testing Laboratory Ltd.  
 Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China  
 Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com  
 Scan code to check authenticity



Band12	1.4MHz	QPSK	23173	3RB#1	22.49	PASS
Band12	1.4MHz	16QAM	23173	3RB#1	21.30	PASS
Band12	1.4MHz	QPSK	23173	3RB#3	22.56	PASS
Band12	1.4MHz	16QAM	23173	3RB#3	21.29	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	21.49	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	20.63	PASS
Band12	3MHz	QPSK	23025	1RB#0	22.61	PASS
Band12	3MHz	16QAM	23025	1RB#0	21.32	PASS
Band12	3MHz	QPSK	23025	1RB#8	22.58	PASS
Band12	3MHz	16QAM	23025	1RB#8	21.50	PASS
Band12	3MHz	QPSK	23025	1RB#14	22.67	PASS
Band12	3MHz	16QAM	23025	1RB#14	21.64	PASS
Band12	3MHz	QPSK	23025	8RB#0	21.65	PASS
Band12	3MHz	16QAM	23025	8RB#0	21.31	PASS
Band12	3MHz	QPSK	23025	8RB#4	21.62	PASS
Band12	3MHz	16QAM	23025	8RB#4	21.32	PASS
Band12	3MHz	QPSK	23025	8RB#7	21.61	PASS
Band12	3MHz	16QAM	23025	8RB#7	20.93	PASS
Band12	3MHz	QPSK	23025	15RB#0	21.74	PASS
Band12	3MHz	16QAM	23025	15RB#0	21.08	PASS
Band12	3MHz	QPSK	23095	1RB#0	22.81	PASS
Band12	3MHz	16QAM	23095	1RB#0	21.37	PASS
Band12	3MHz	QPSK	23095	1RB#8	22.79	PASS
Band12	3MHz	16QAM	23095	1RB#8	21.43	PASS
Band12	3MHz	QPSK	23095	1RB#14	22.72	PASS
Band12	3MHz	16QAM	23095	1RB#14	21.37	PASS
Band12	3MHz	QPSK	23095	8RB#0	21.52	PASS
Band12	3MHz	16QAM	23095	8RB#0	20.83	PASS
Band12	3MHz	QPSK	23095	8RB#4	21.69	PASS
Band12	3MHz	16QAM	23095	8RB#4	20.84	PASS
Band12	3MHz	QPSK	23095	8RB#7	21.62	PASS
Band12	3MHz	16QAM	23095	8RB#7	20.79	PASS
Band12	3MHz	QPSK	23095	15RB#0	21.65	PASS
Band12	3MHz	16QAM	23095	15RB#0	20.57	PASS
Band12	3MHz	QPSK	23165	1RB#0	22.54	PASS
Band12	3MHz	16QAM	23165	1RB#0	21.83	PASS
Band12	3MHz	QPSK	23165	1RB#8	22.44	PASS
Band12	3MHz	16QAM	23165	1RB#8	21.60	PASS
Band12	3MHz	QPSK	23165	1RB#14	22.46	PASS
Band12	3MHz	16QAM	23165	1RB#14	21.74	PASS



Shenzhen LCS Compliance Testing Laboratory Ltd.

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

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

Scan code to check authenticity



Band12	3MHz	QPSK	23165	8RB#0	21.24	PASS
Band12	3MHz	16QAM	23165	8RB#0	20.86	PASS
Band12	3MHz	QPSK	23165	8RB#4	21.51	PASS
Band12	3MHz	16QAM	23165	8RB#4	21.05	PASS
Band12	3MHz	QPSK	23165	8RB#7	21.48	PASS
Band12	3MHz	16QAM	23165	8RB#7	20.70	PASS
Band12	3MHz	QPSK	23165	15RB#0	21.35	PASS
Band12	3MHz	16QAM	23165	15RB#0	20.79	PASS
Band12	5MHz	QPSK	23035	1RB#0	22.62	PASS
Band12	5MHz	16QAM	23035	1RB#0	20.85	PASS
Band12	5MHz	QPSK	23035	1RB#12	22.68	PASS
Band12	5MHz	16QAM	23035	1RB#12	20.88	PASS
Band12	5MHz	QPSK	23035	1RB#24	22.68	PASS
Band12	5MHz	16QAM	23035	1RB#24	21.00	PASS
Band12	5MHz	QPSK	23035	12RB#0	21.64	PASS
Band12	5MHz	16QAM	23035	12RB#0	21.07	PASS
Band12	5MHz	QPSK	23035	12RB#6	21.61	PASS
Band12	5MHz	16QAM	23035	12RB#6	21.05	PASS
Band12	5MHz	QPSK	23035	12RB#13	21.72	PASS
Band12	5MHz	16QAM	23035	12RB#13	20.55	PASS
Band12	5MHz	QPSK	23035	25RB#0	21.69	PASS
Band12	5MHz	16QAM	23035	25RB#0	21.05	PASS
Band12	5MHz	QPSK	23095	1RB#0	22.55	PASS
Band12	5MHz	16QAM	23095	1RB#0	21.93	PASS
Band12	5MHz	QPSK	23095	1RB#12	22.51	PASS
Band12	5MHz	16QAM	23095	1RB#12	21.81	PASS
Band12	5MHz	QPSK	23095	1RB#24	22.51	PASS
Band12	5MHz	16QAM	23095	1RB#24	21.85	PASS
Band12	5MHz	QPSK	23095	12RB#0	21.61	PASS
Band12	5MHz	16QAM	23095	12RB#0	20.68	PASS
Band12	5MHz	QPSK	23095	12RB#6	21.78	PASS
Band12	5MHz	16QAM	23095	12RB#6	20.70	PASS
Band12	5MHz	QPSK	23095	12RB#13	21.53	PASS
Band12	5MHz	16QAM	23095	12RB#13	20.73	PASS
Band12	5MHz	QPSK	23095	25RB#0	21.74	PASS
Band12	5MHz	16QAM	23095	25RB#0	20.57	PASS
Band12	5MHz	QPSK	23155	1RB#0	22.66	PASS
Band12	5MHz	16QAM	23155	1RB#0	21.23	PASS
Band12	5MHz	QPSK	23155	1RB#12	22.59	PASS
Band12	5MHz	16QAM	23155	1RB#12	21.18	PASS



Shenzhen LCS Compliance Testing Laboratory Ltd.

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

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

Scan code to check authenticity



Band12	5MHz	QPSK	23155	1RB#24	22.52	PASS
Band12	5MHz	16QAM	23155	1RB#24	21.20	PASS
Band12	5MHz	QPSK	23155	12RB#0	21.51	PASS
Band12	5MHz	16QAM	23155	12RB#0	20.45	PASS
Band12	5MHz	QPSK	23155	12RB#6	21.35	PASS
Band12	5MHz	16QAM	23155	12RB#6	20.27	PASS
Band12	5MHz	QPSK	23155	12RB#13	21.37	PASS
Band12	5MHz	16QAM	23155	12RB#13	20.76	PASS
Band12	5MHz	QPSK	23155	25RB#0	21.40	PASS
Band12	5MHz	16QAM	23155	25RB#0	20.94	PASS
Band12	10MHz	QPSK	23060	1RB#0	22.62	PASS
Band12	10MHz	16QAM	23060	1RB#0	21.53	PASS
Band12	10MHz	QPSK	23060	1RB#24	22.68	PASS
Band12	10MHz	16QAM	23060	1RB#24	21.24	PASS
Band12	10MHz	QPSK	23060	1RB#49	22.59	PASS
Band12	10MHz	16QAM	23060	1RB#49	21.29	PASS
Band12	10MHz	QPSK	23060	25RB#0	21.45	PASS
Band12	10MHz	16QAM	23060	25RB#0	20.64	PASS
Band12	10MHz	QPSK	23060	25RB#12	21.87	PASS
Band12	10MHz	16QAM	23060	25RB#12	20.64	PASS
Band12	10MHz	QPSK	23060	25RB#25	21.77	PASS
Band12	10MHz	16QAM	23060	25RB#25	20.65	PASS
Band12	10MHz	QPSK	23060	50RB#0	21.75	PASS
Band12	10MHz	16QAM	23060	50RB#0	21.23	PASS
Band12	10MHz	QPSK	23095	1RB#0	22.50	PASS
Band12	10MHz	16QAM	23095	1RB#0	21.46	PASS
Band12	10MHz	QPSK	23095	1RB#24	22.59	PASS
Band12	10MHz	16QAM	23095	1RB#24	21.48	PASS
Band12	10MHz	QPSK	23095	1RB#49	22.55	PASS
Band12	10MHz	16QAM	23095	1RB#49	21.36	PASS
Band12	10MHz	QPSK	23095	25RB#0	21.79	PASS
Band12	10MHz	16QAM	23095	25RB#0	20.93	PASS
Band12	10MHz	QPSK	23095	25RB#12	21.78	PASS
Band12	10MHz	16QAM	23095	25RB#12	20.96	PASS
Band12	10MHz	QPSK	23095	25RB#25	21.53	PASS
Band12	10MHz	16QAM	23095	25RB#25	20.82	PASS
Band12	10MHz	QPSK	23095	50RB#0	21.65	PASS
Band12	10MHz	16QAM	23095	50RB#0	20.77	PASS
Band12	10MHz	QPSK	23130	1RB#0	22.56	PASS
Band12	10MHz	16QAM	23130	1RB#0	22.16	PASS



Shenzhen LCS Compliance Testing Laboratory Ltd.

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

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

Scan code to check authenticity



Band12	10MHz	QPSK	23130	1RB#24	22.52	PASS
Band12	10MHz	16QAM	23130	1RB#24	22.09	PASS
Band12	10MHz	QPSK	23130	1RB#49	22.58	PASS
Band12	10MHz	16QAM	23130	1RB#49	21.24	PASS
Band12	10MHz	QPSK	23130	25RB#0	21.69	PASS
Band12	10MHz	16QAM	23130	25RB#0	21.07	PASS
Band12	10MHz	QPSK	23130	25RB#12	21.56	PASS
Band12	10MHz	16QAM	23130	25RB#12	20.71	PASS
Band12	10MHz	QPSK	23130	25RB#25	21.48	PASS
Band12	10MHz	16QAM	23130	25RB#25	21.05	PASS
Band12	10MHz	QPSK	23130	50RB#0	21.70	PASS
Band12	10MHz	16QAM	23130	50RB#0	20.61	PASS





## I.2 Peak-to-Average Ratio(CCDF)

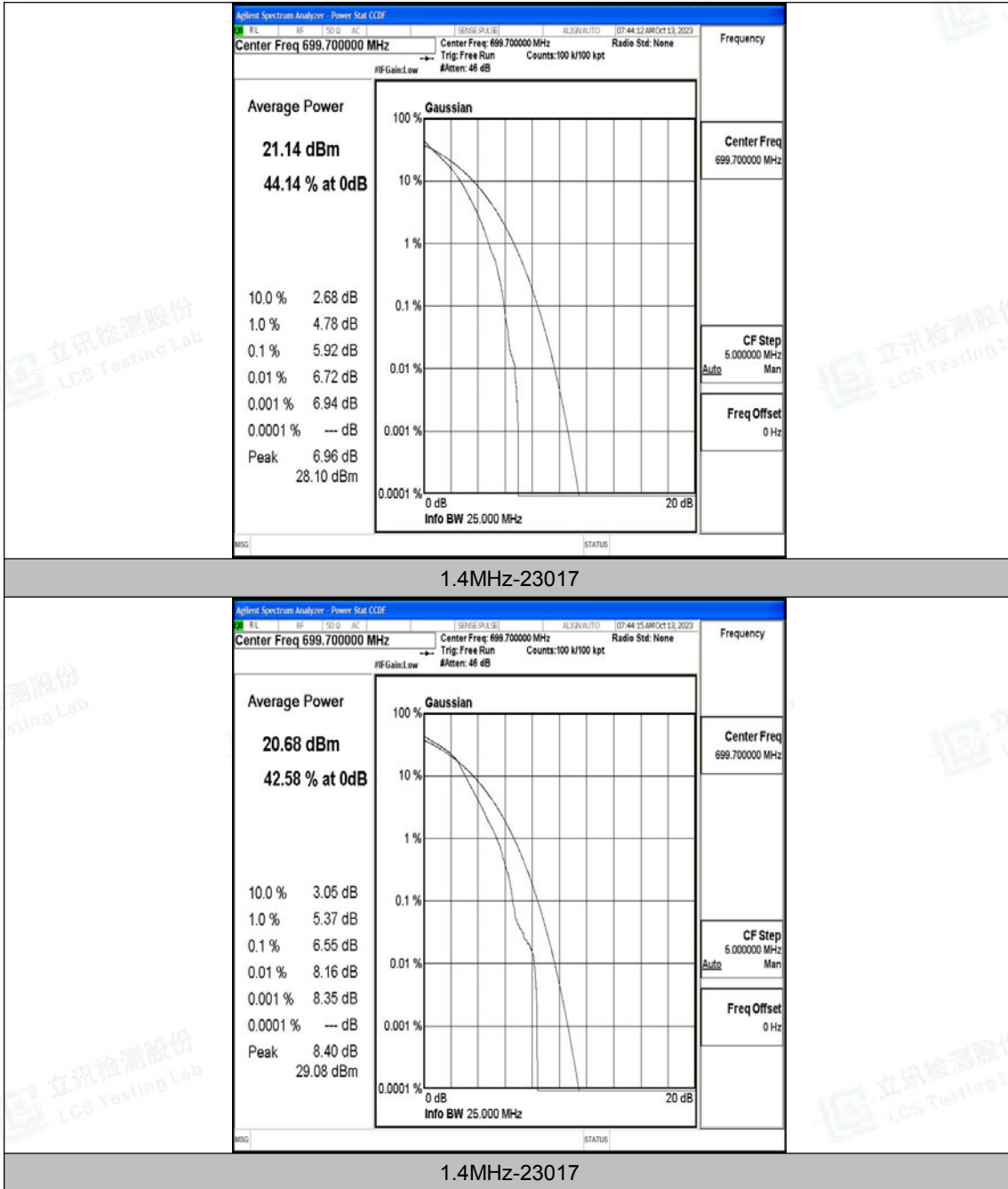
### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	5.92	13	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	6.55	13	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	5.92	13	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	6.73	13	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	6.07	13	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	6.49	13	PASS
Band12	3MHz	QPSK	23025	15RB#0	6.19	13	PASS
Band12	3MHz	16QAM	23025	15RB#0	6.88	13	PASS
Band12	3MHz	QPSK	23095	15RB#0	6.08	13	PASS
Band12	3MHz	16QAM	23095	15RB#0	6.86	13	PASS
Band12	3MHz	QPSK	23165	15RB#0	5.79	13	PASS
Band12	3MHz	16QAM	23165	15RB#0	6.79	13	PASS
Band12	5MHz	QPSK	23035	25RB#0	6.07	13	PASS
Band12	5MHz	16QAM	23035	25RB#0	6.73	13	PASS
Band12	5MHz	QPSK	23095	25RB#0	6.00	13	PASS
Band12	5MHz	16QAM	23095	25RB#0	6.67	13	PASS
Band12	5MHz	QPSK	23155	25RB#0	5.94	13	PASS
Band12	5MHz	16QAM	23155	25RB#0	6.56	13	PASS
Band12	10MHz	QPSK	23060	50RB#0	6.03	13	PASS
Band12	10MHz	16QAM	23060	50RB#0	6.66	13	PASS
Band12	10MHz	QPSK	23095	50RB#0	6.20	13	PASS
Band12	10MHz	16QAM	23095	50RB#0	6.81	13	PASS
Band12	10MHz	QPSK	23130	50RB#0	5.93	13	PASS
Band12	10MHz	16QAM	23130	50RB#0	6.61	13	PASS

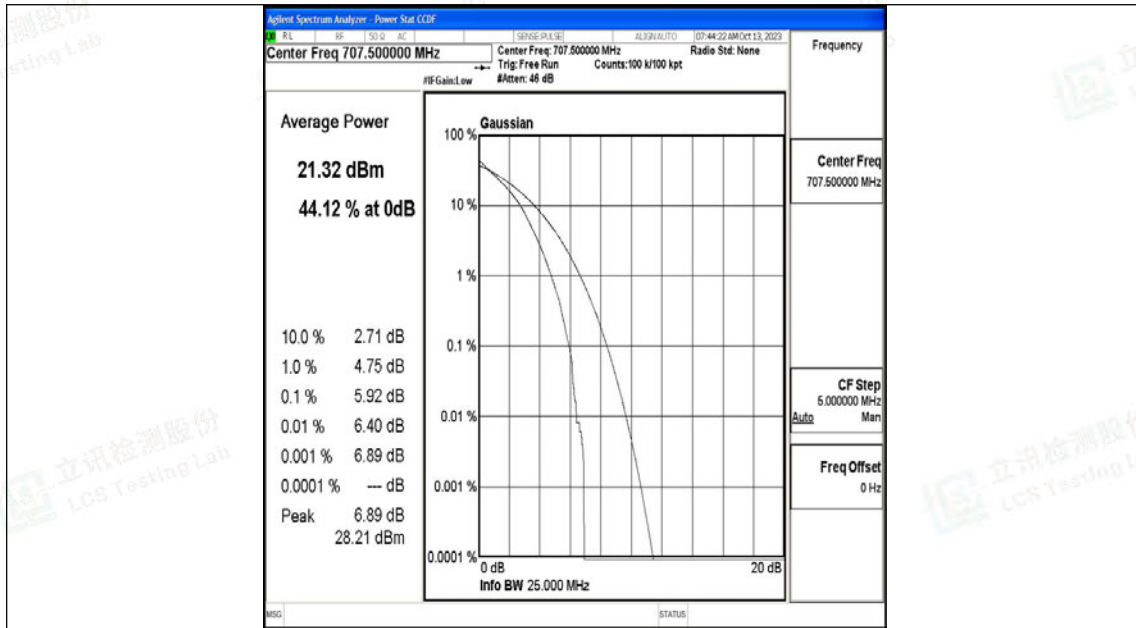




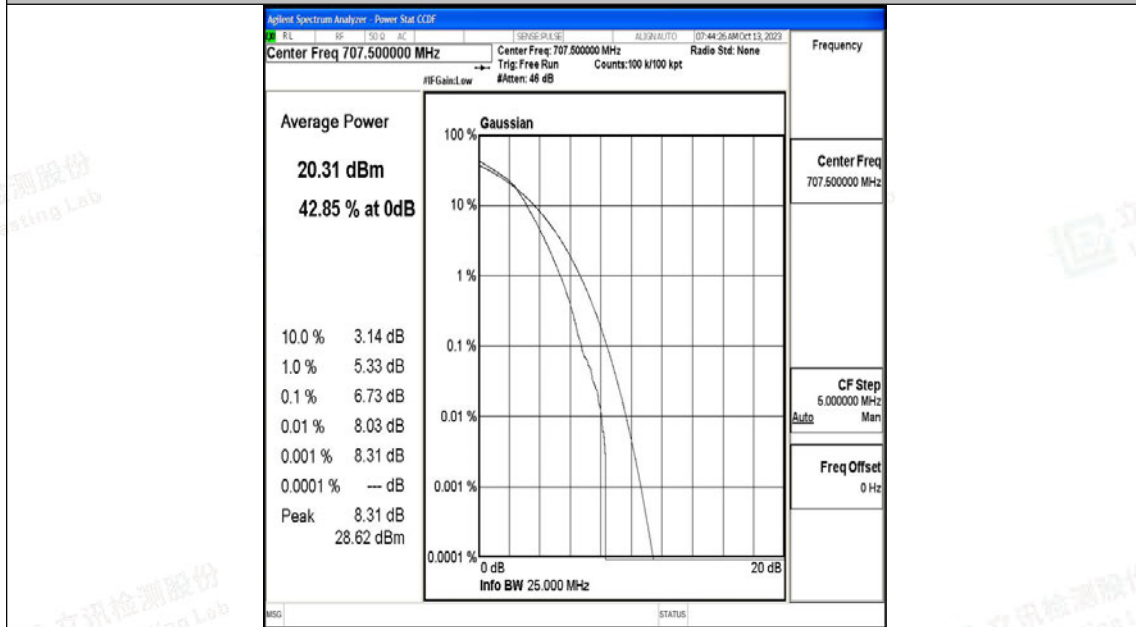
### Test Graphs





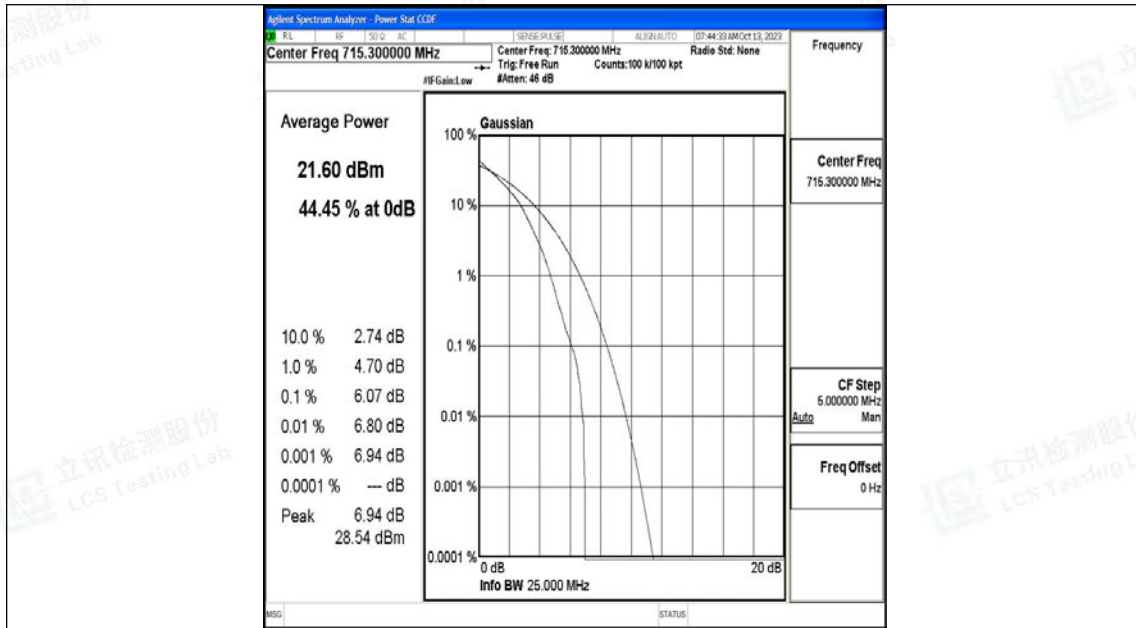


1.4MHz-23095

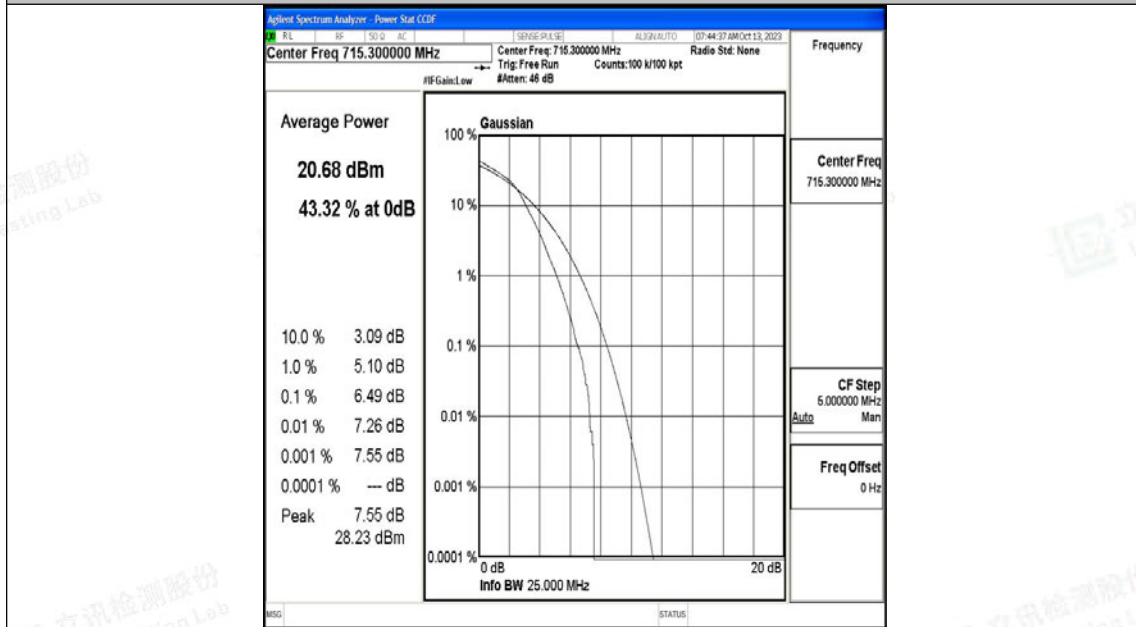


1.4MHz-23095



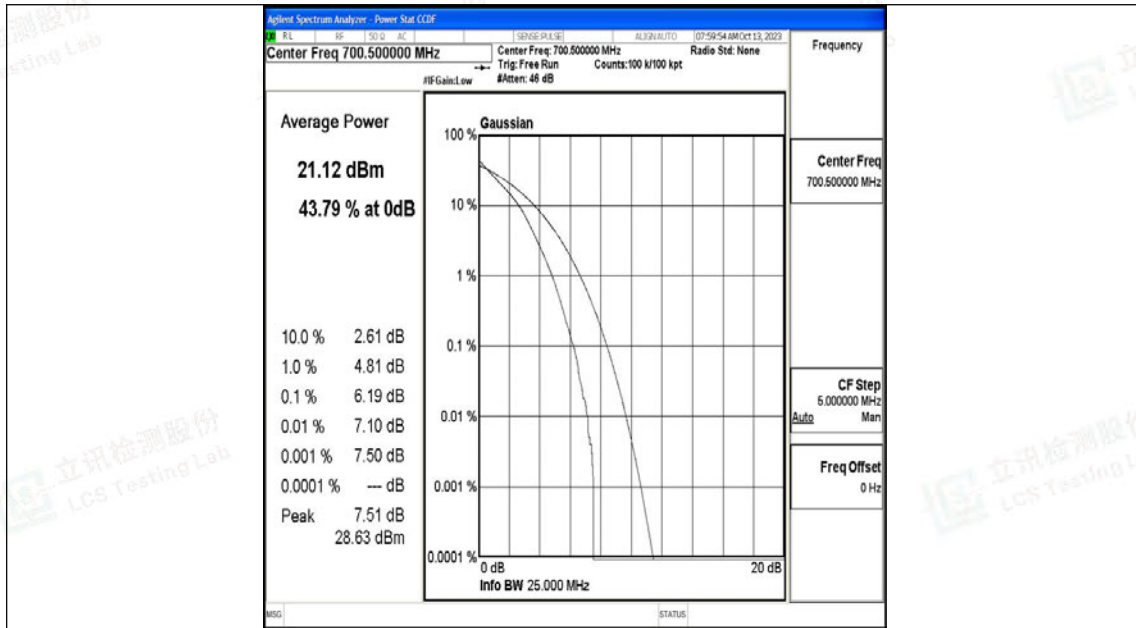


1.4MHz-23173

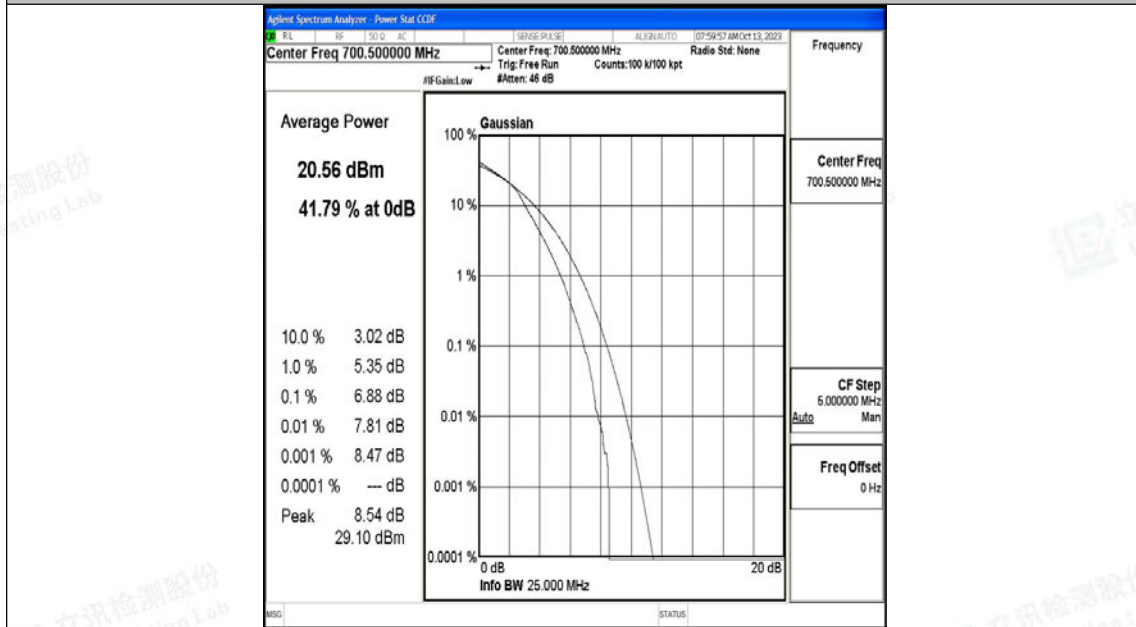


1.4MHz-23173



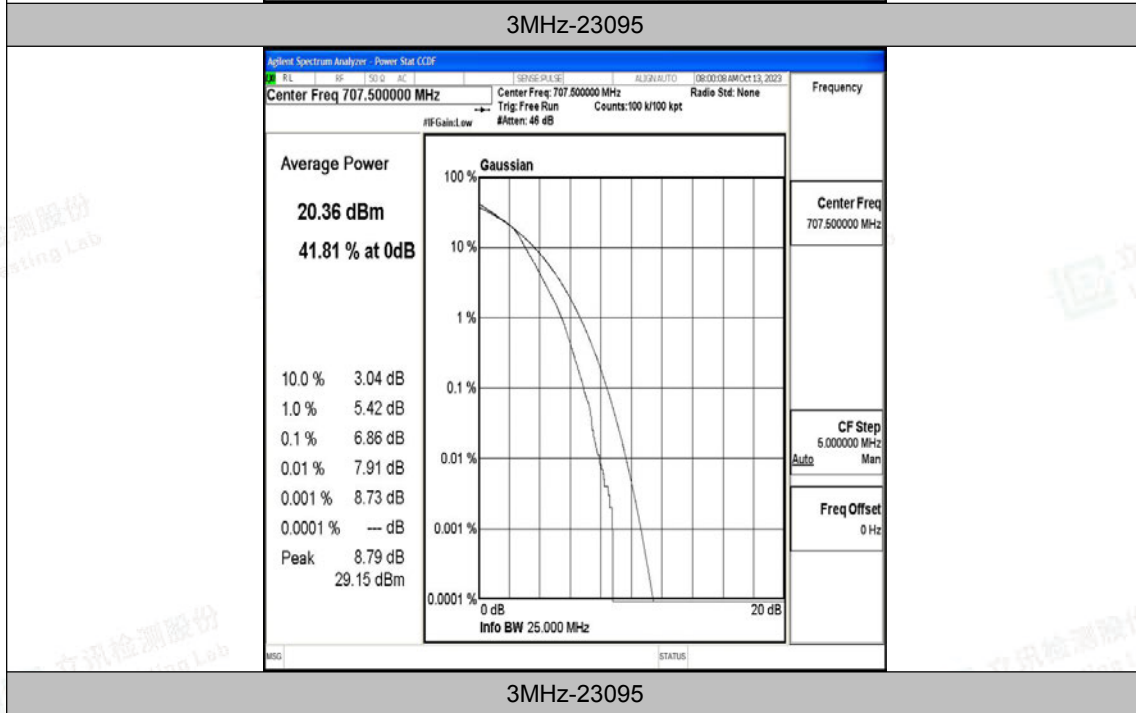
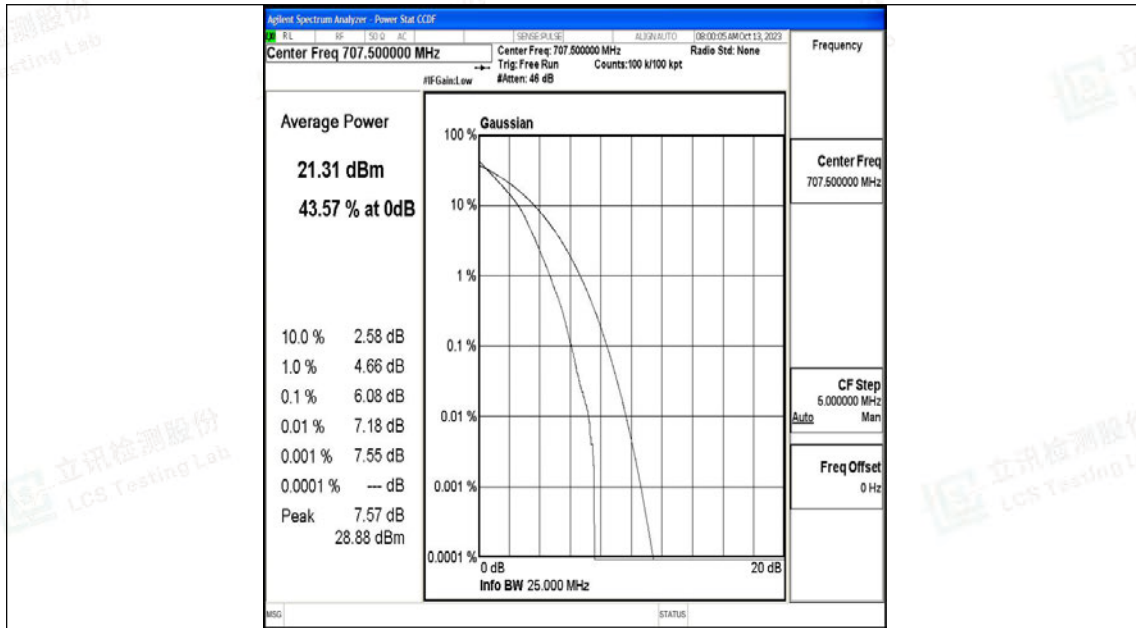


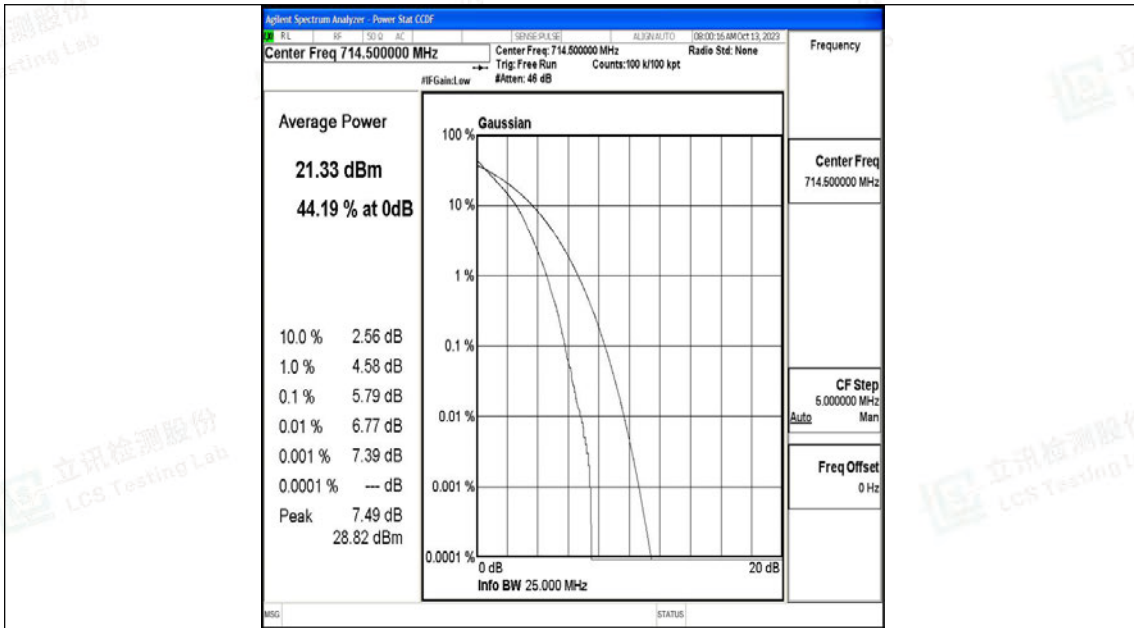
3MHz-23025



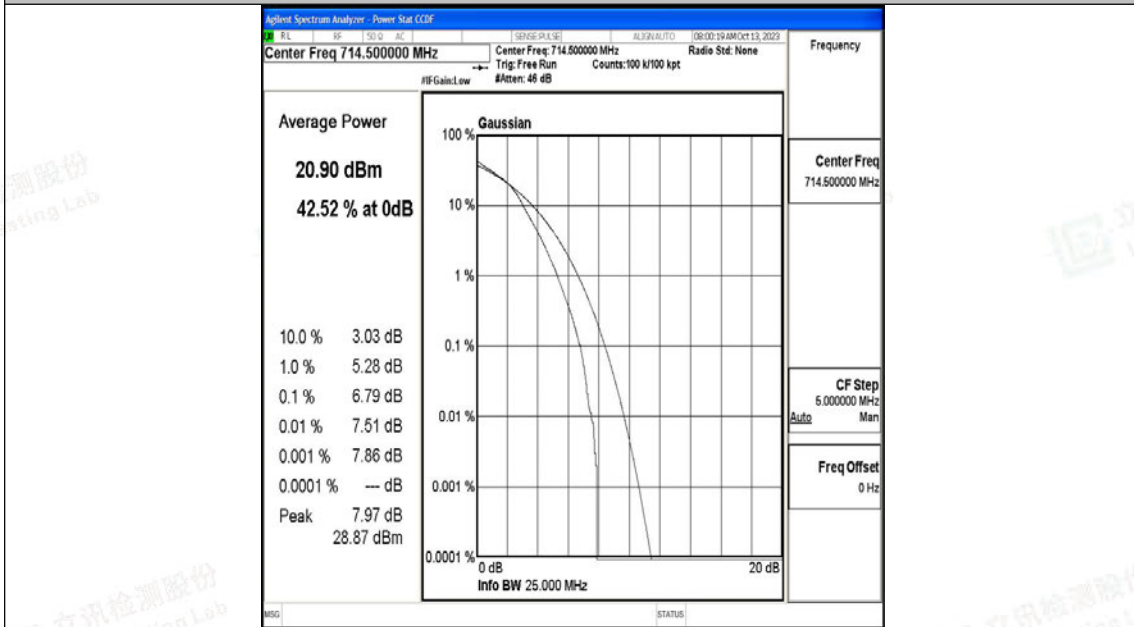
3MHz-23025





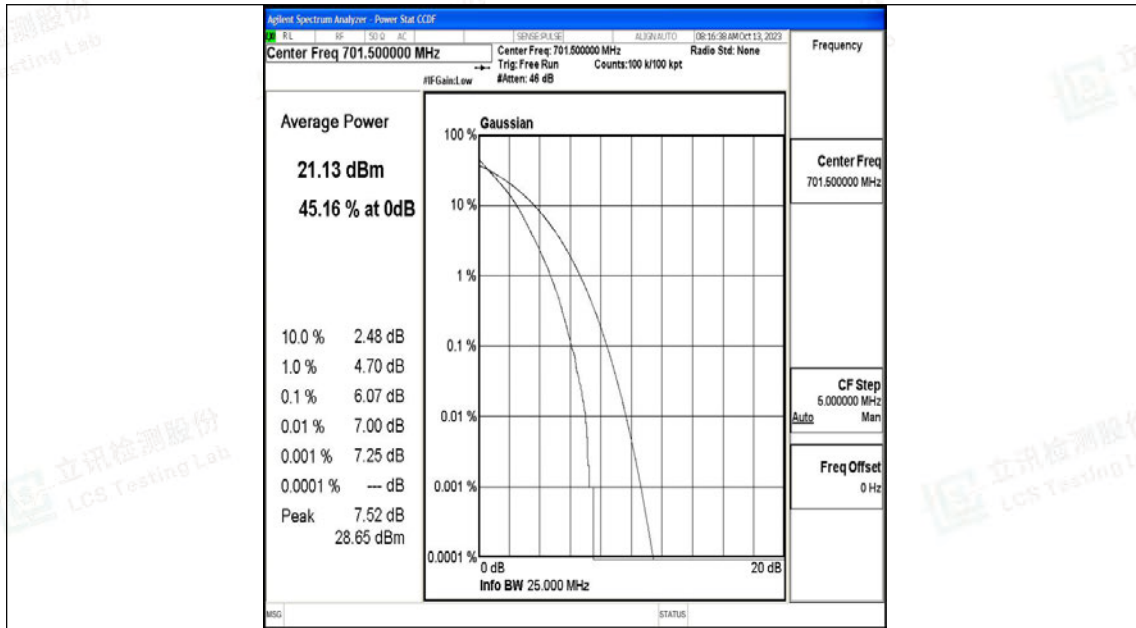


3MHz-23165

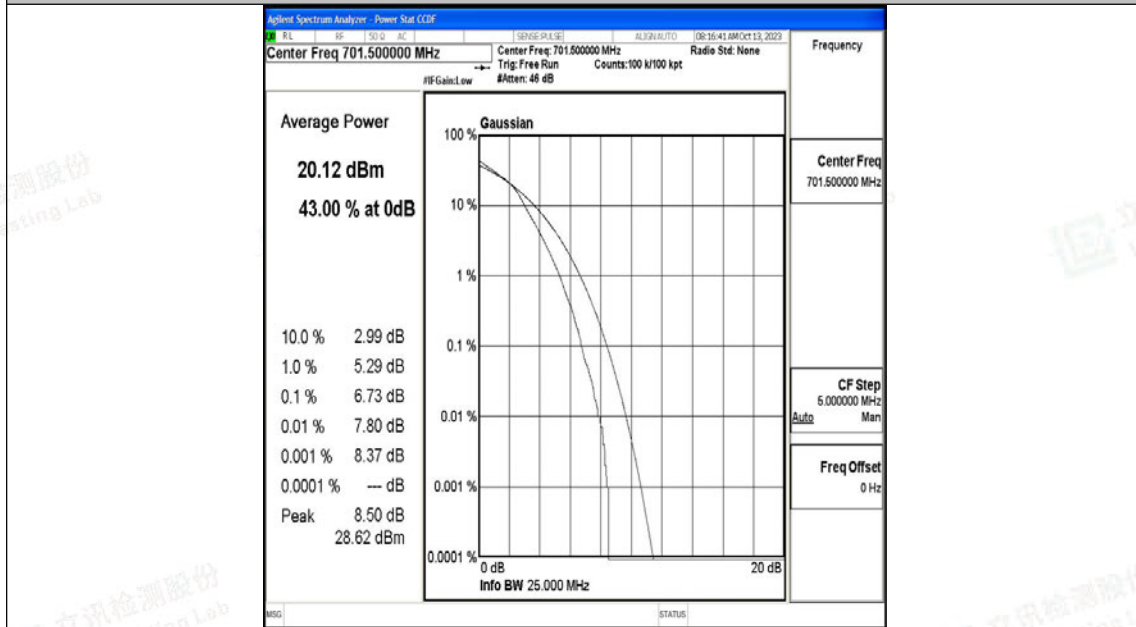


3MHz-23165



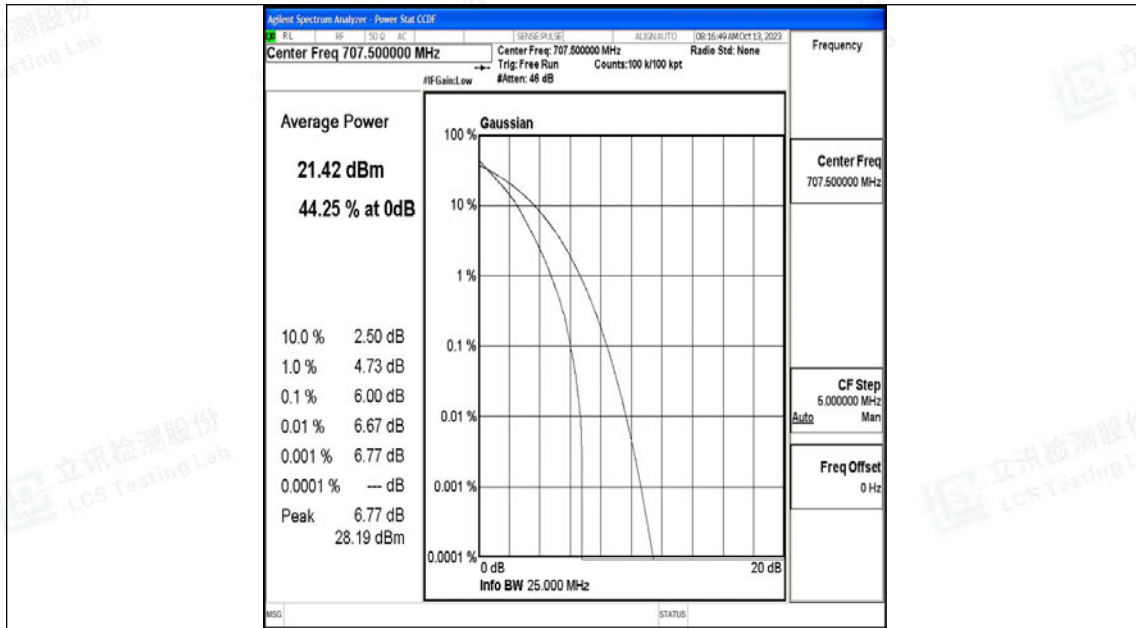


5MHz-23035

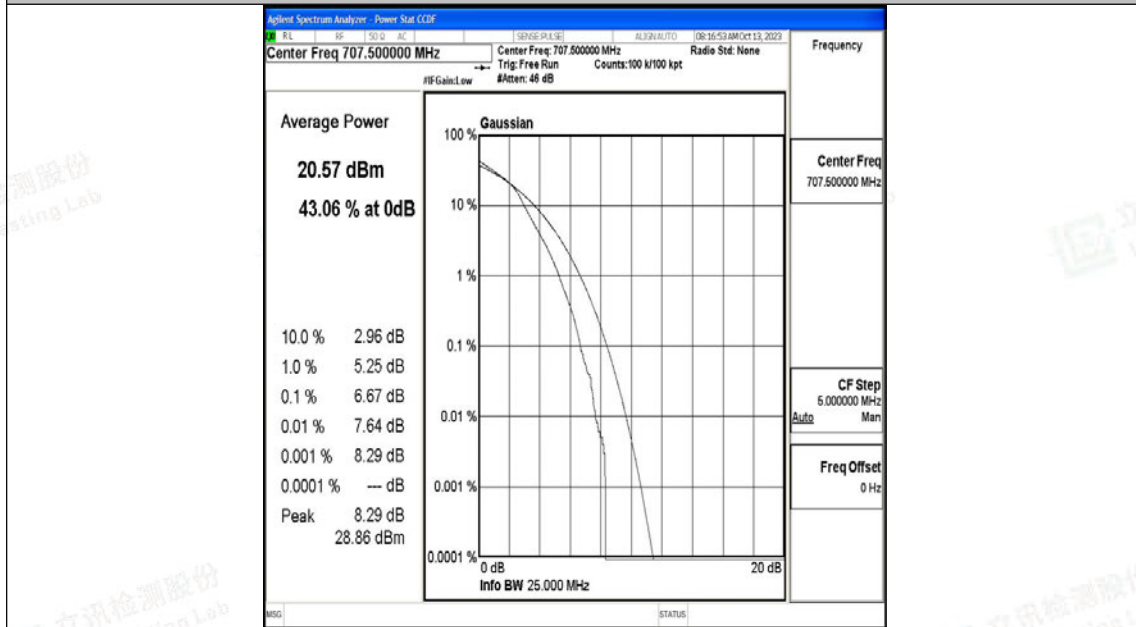


5MHz-23035



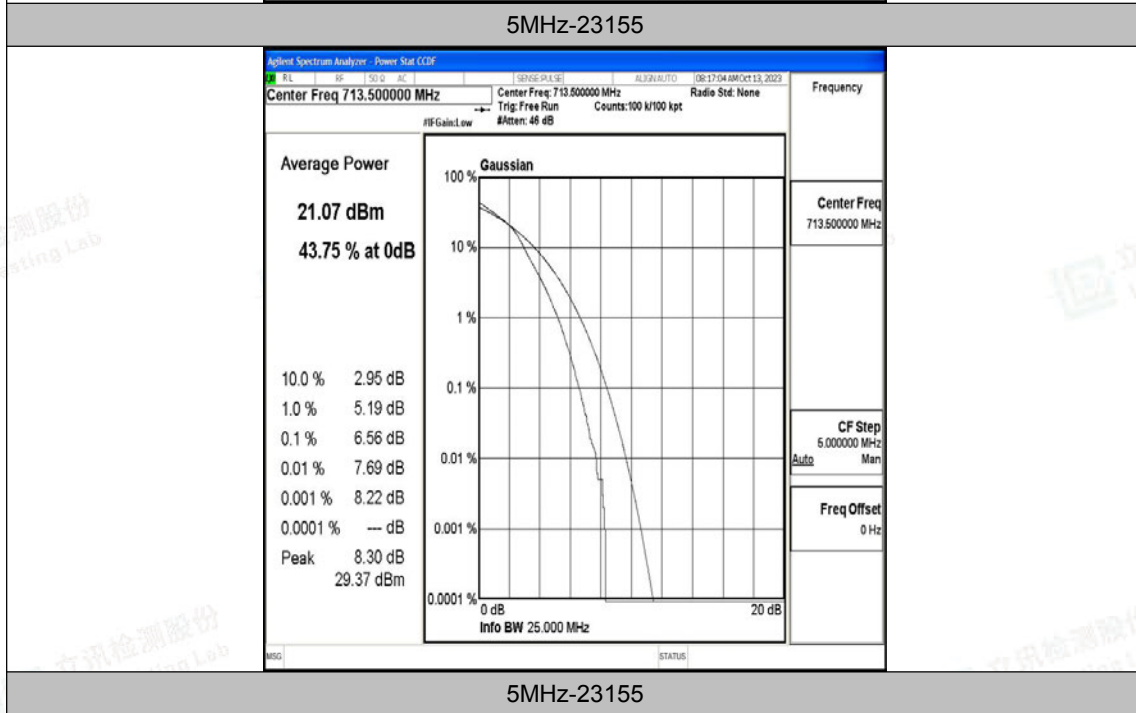
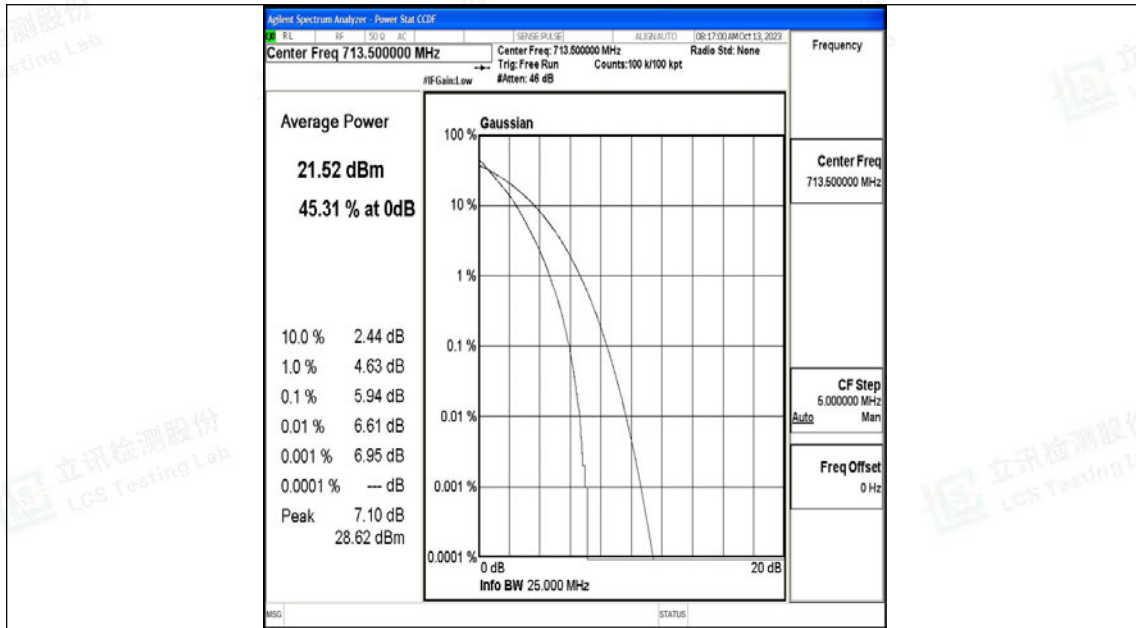


5MHz-23095

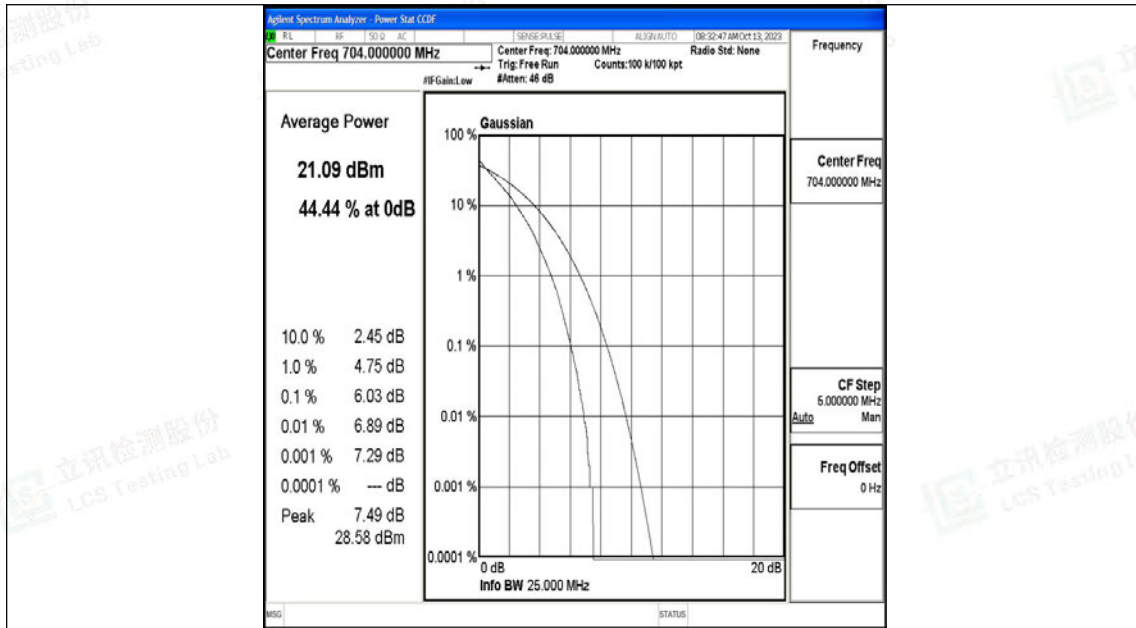


5MHz-23095

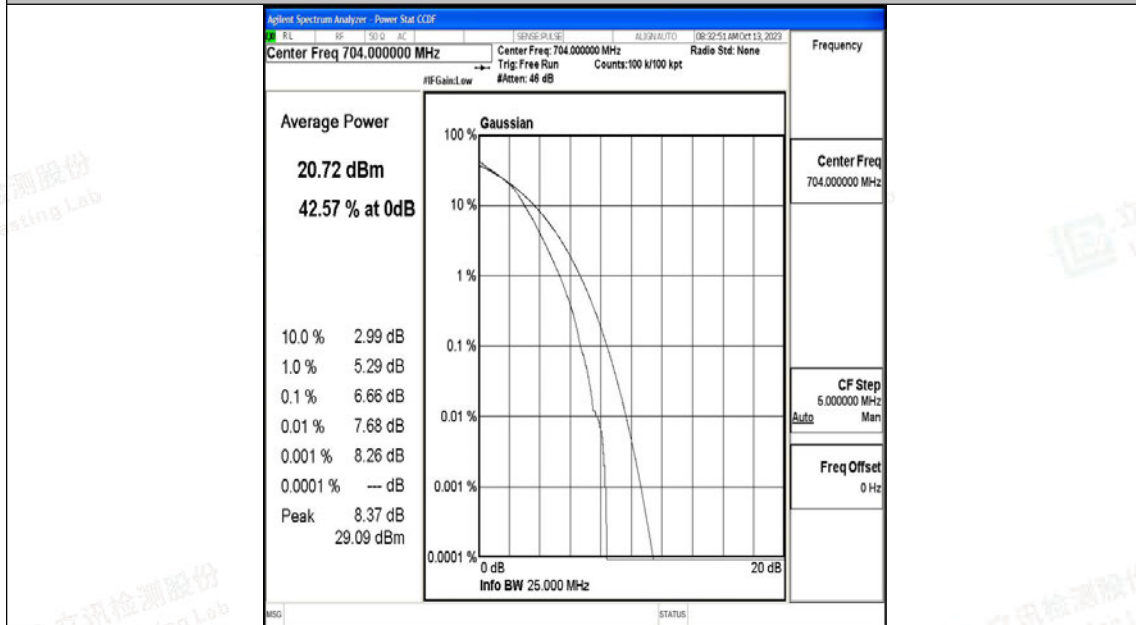






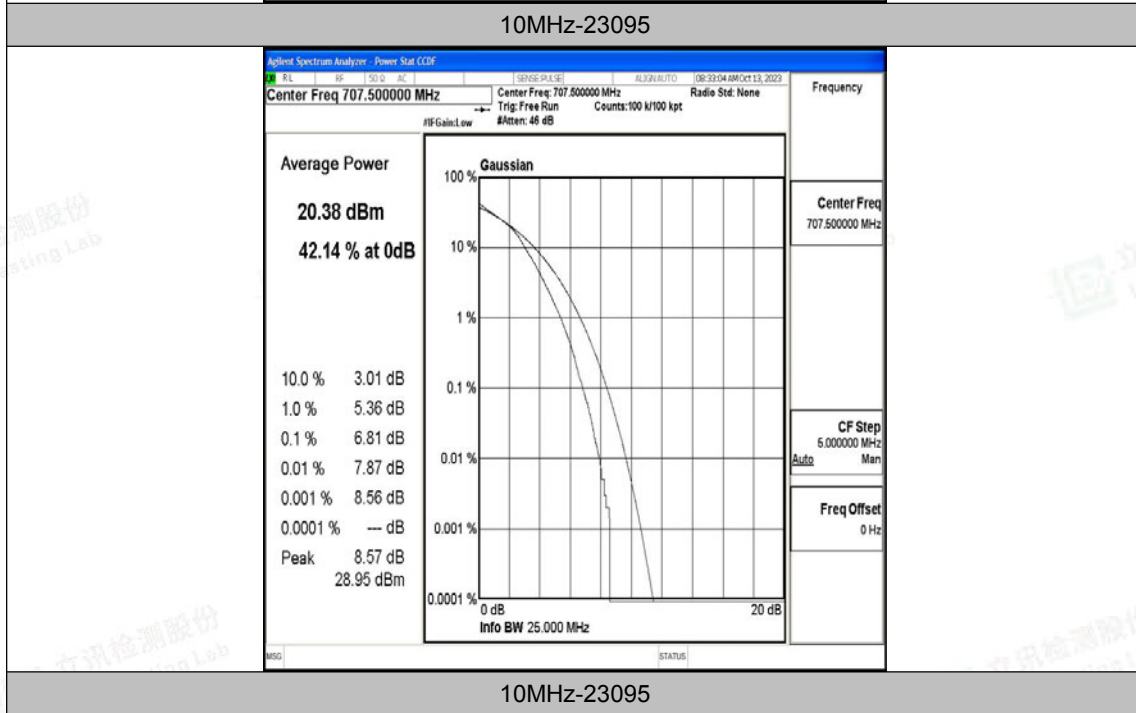
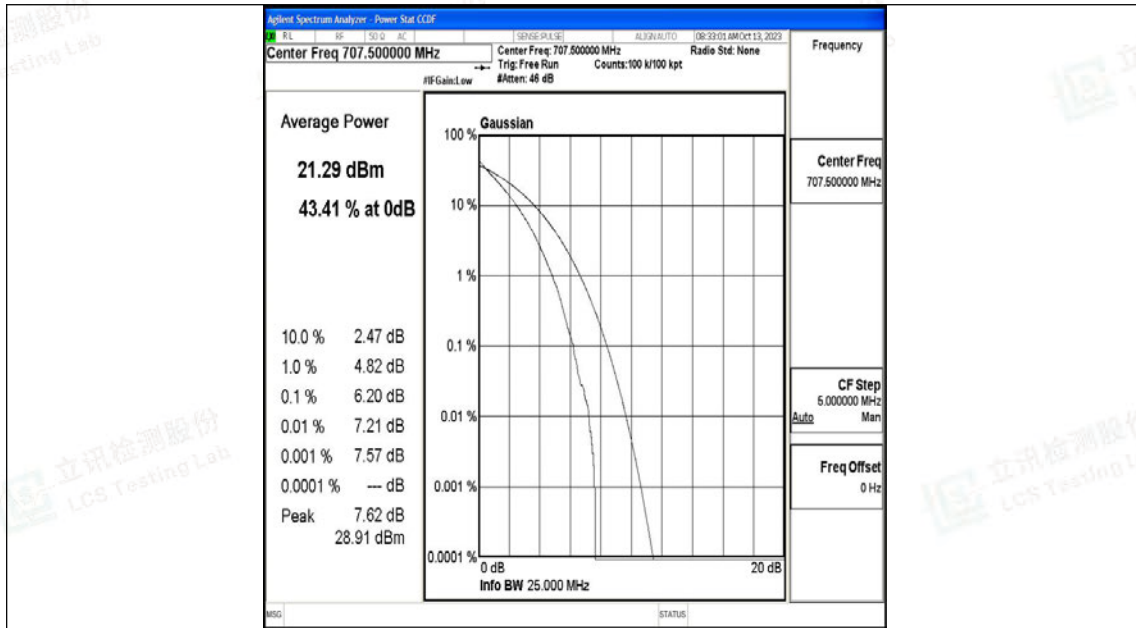


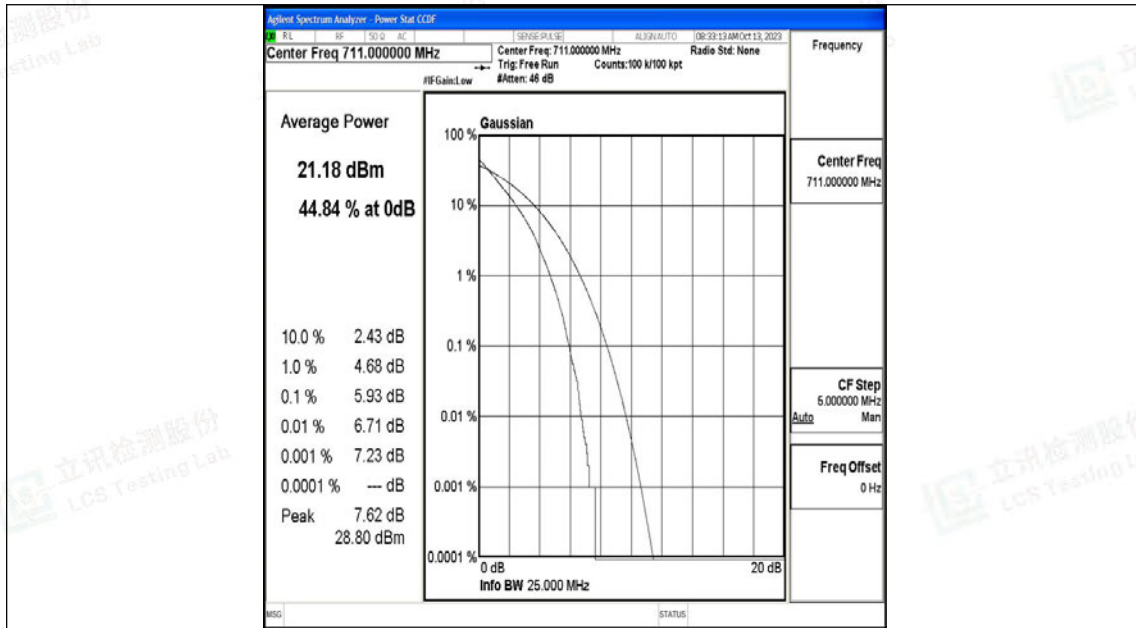
10MHz-23060



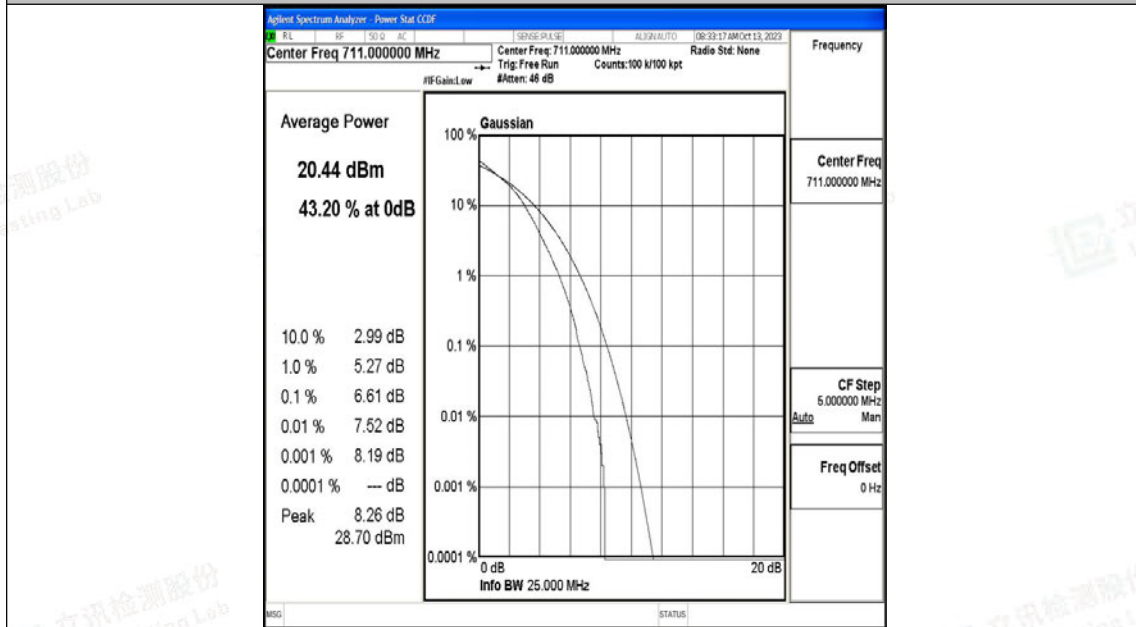
10MHz-23060







10MHz-23130



10MHz-23130





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

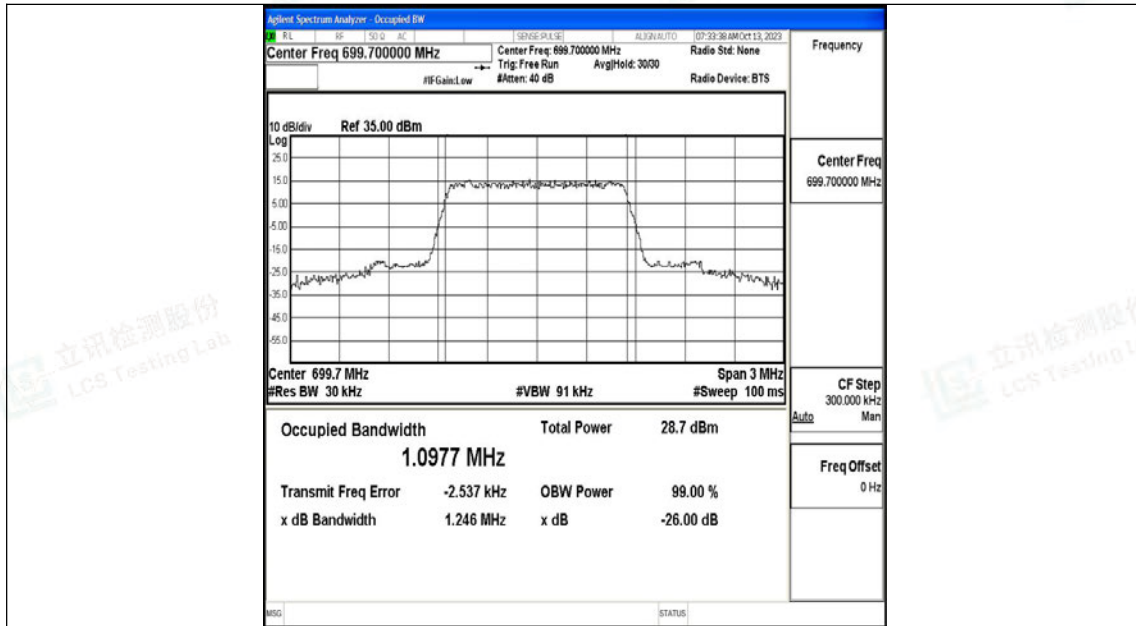
#### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	1.0977	1.246	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	1.1033	1.258	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	1.0913	1.239	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	1.1062	1.243	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	1.0927	1.241	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	1.1028	1.249	PASS
Band12	3MHz	QPSK	23025	15RB#0	2.7043	3.024	PASS
Band12	3MHz	16QAM	23025	15RB#0	2.7019	3.037	PASS
Band12	3MHz	QPSK	23095	15RB#0	2.7135	3.049	PASS
Band12	3MHz	16QAM	23095	15RB#0	2.7122	3.023	PASS
Band12	3MHz	QPSK	23165	15RB#0	2.7083	3.000	PASS
Band12	3MHz	16QAM	23165	15RB#0	2.7110	3.017	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.5321	4.983	PASS
Band12	5MHz	16QAM	23035	25RB#0	4.5131	4.955	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.5256	4.987	PASS
Band12	5MHz	16QAM	23095	25RB#0	4.5179	4.977	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.5068	4.964	PASS
Band12	5MHz	16QAM	23155	25RB#0	4.5065	4.976	PASS
Band12	10MHz	QPSK	23060	50RB#0	8.9850	9.891	PASS
Band12	10MHz	16QAM	23060	50RB#0	8.9883	9.897	PASS
Band12	10MHz	QPSK	23095	50RB#0	9.0164	9.866	PASS
Band12	10MHz	16QAM	23095	50RB#0	8.9894	9.973	PASS
Band12	10MHz	QPSK	23130	50RB#0	8.9866	9.881	PASS
Band12	10MHz	16QAM	23130	50RB#0	8.9964	9.912	PASS

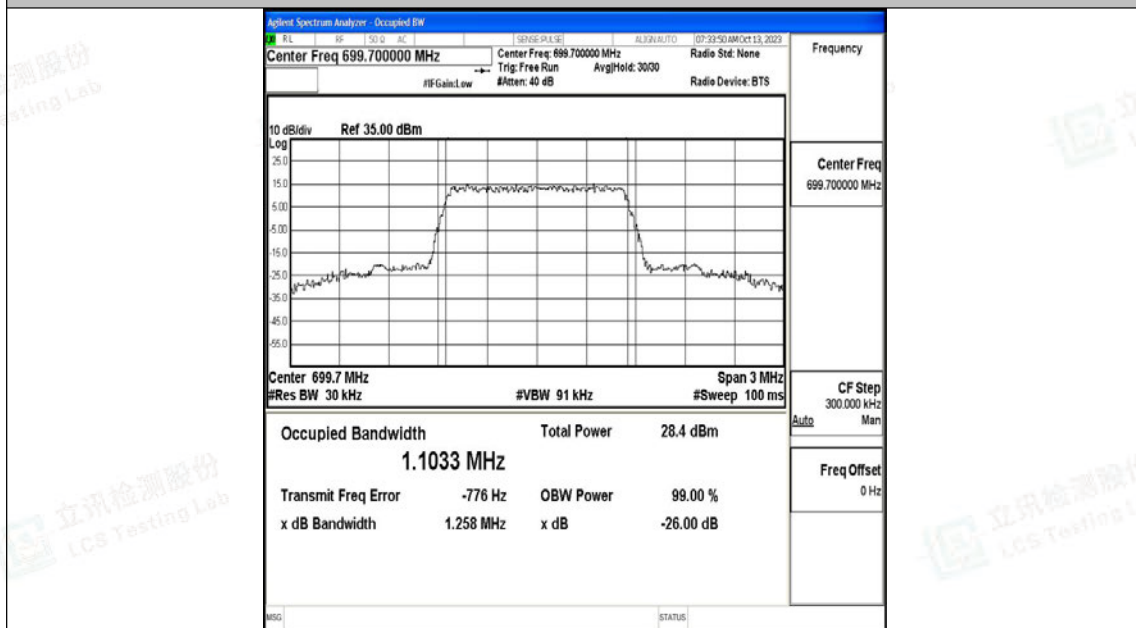




### Test Graphs

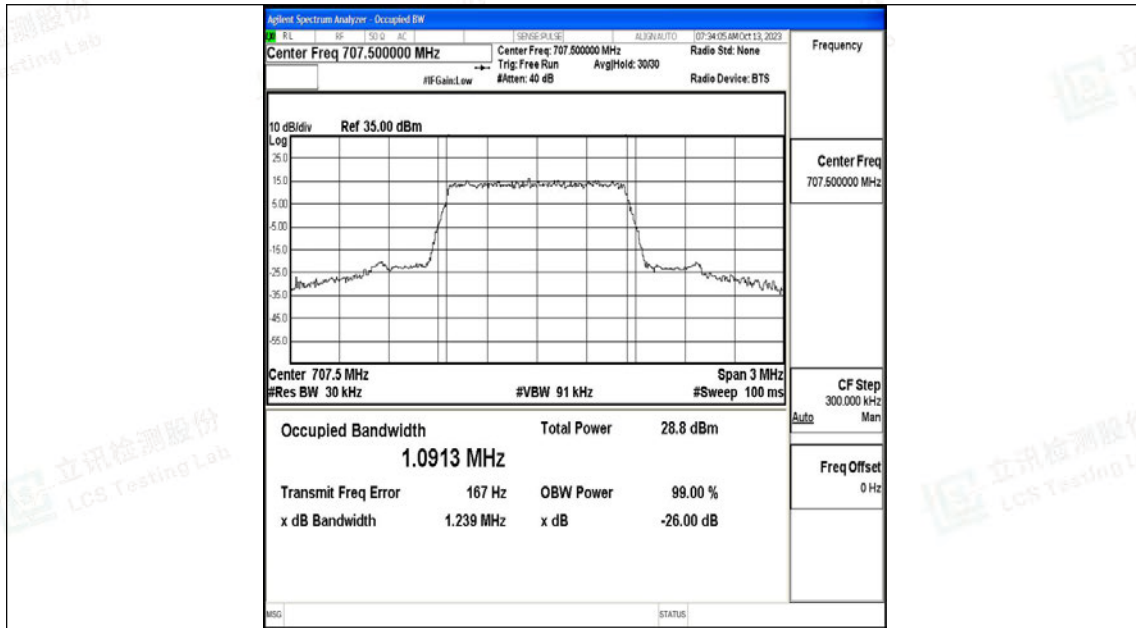


1.4MHz-23017

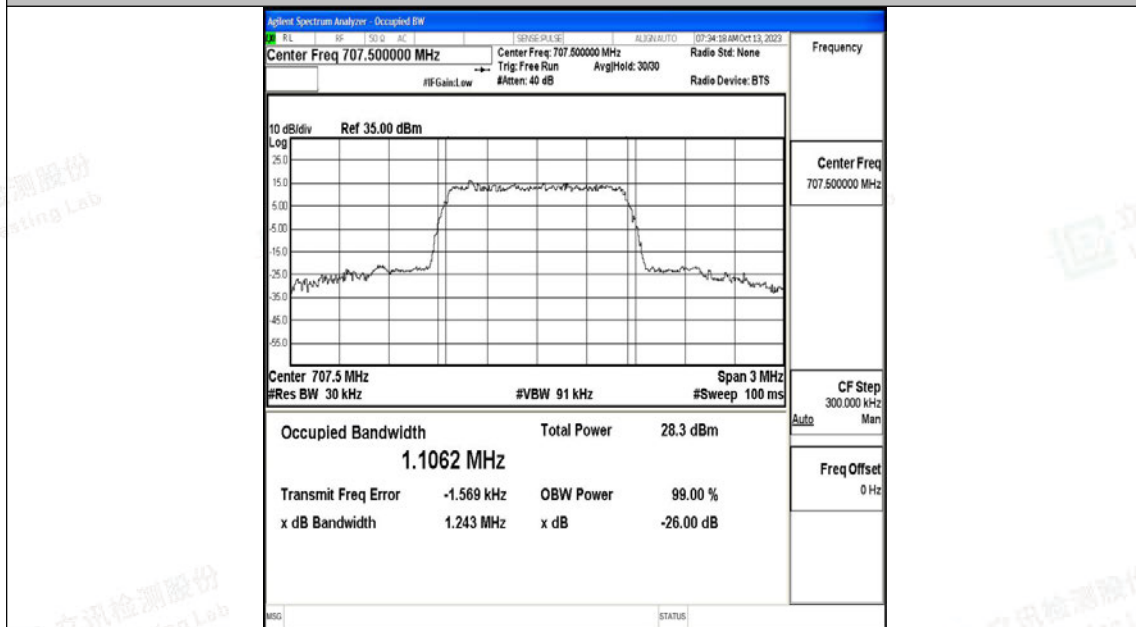


1.4MHz-23017



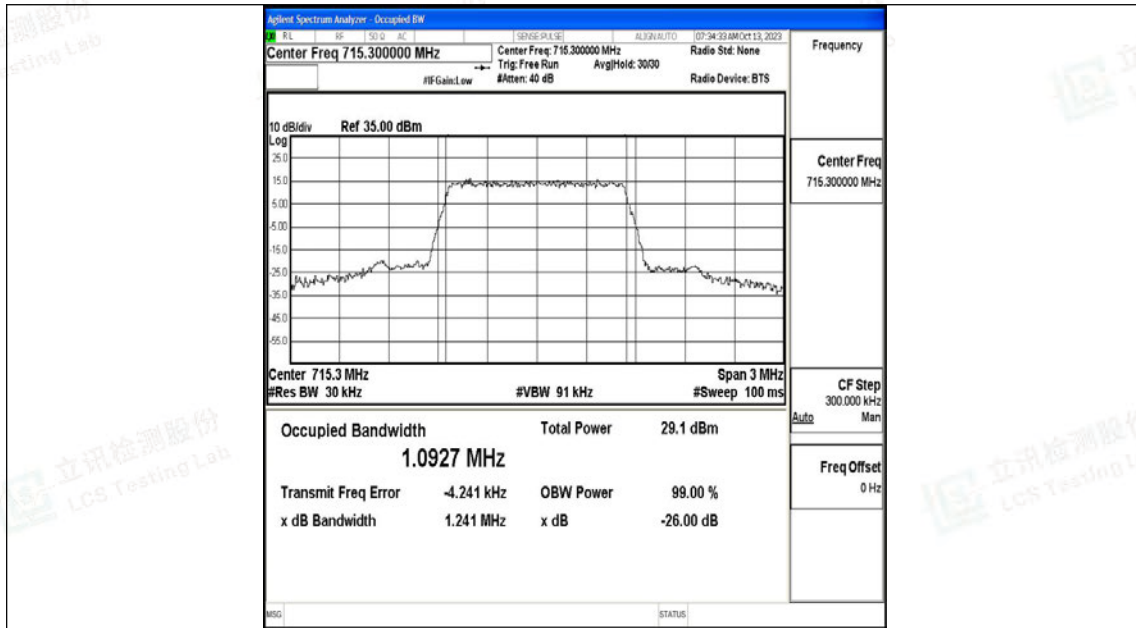


1.4MHz-23095

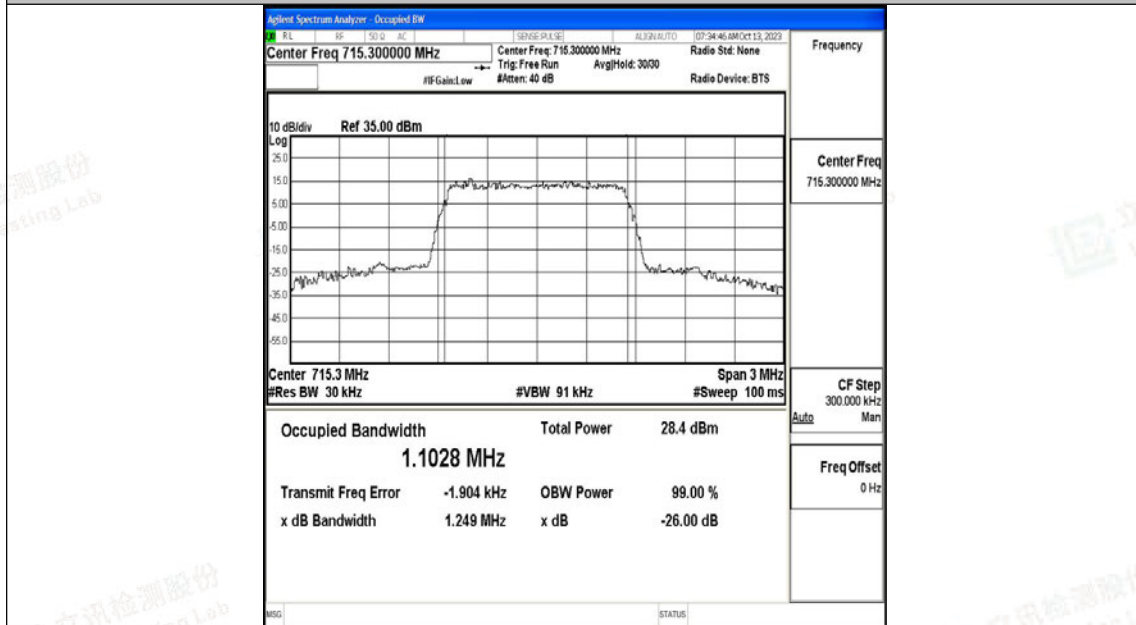


1.4MHz-23095



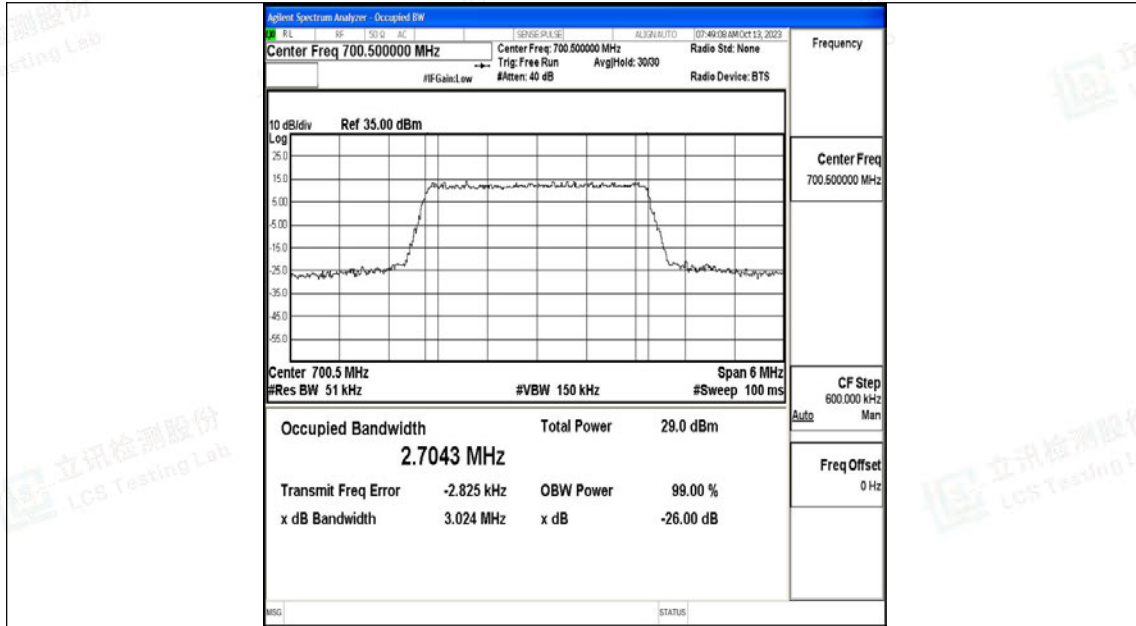


1.4MHz-23173

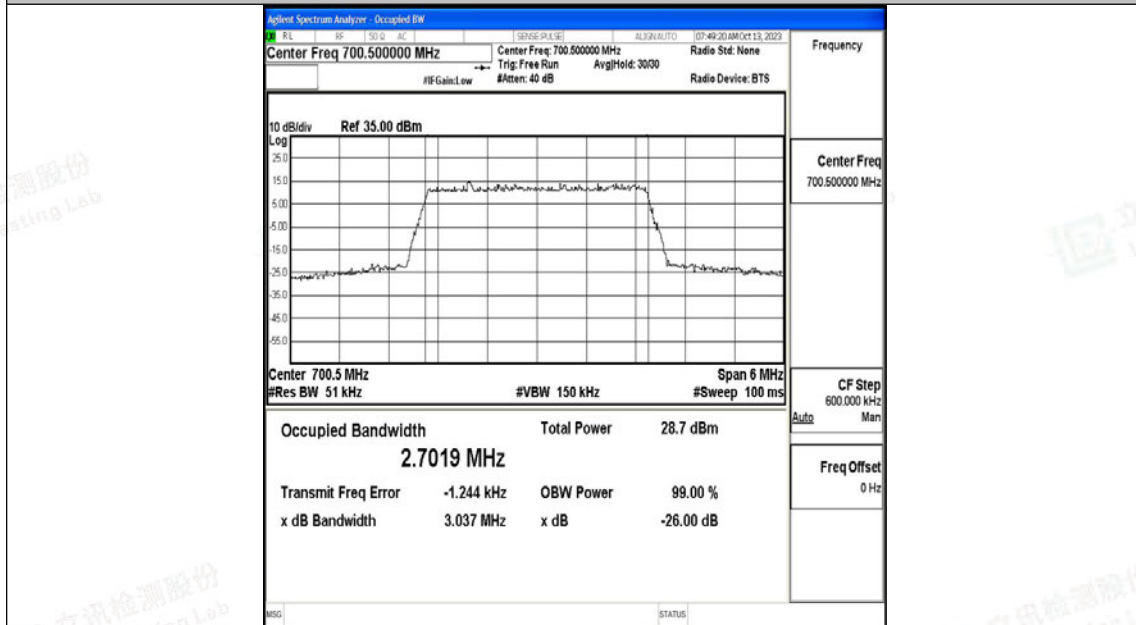


1.4MHz-23173





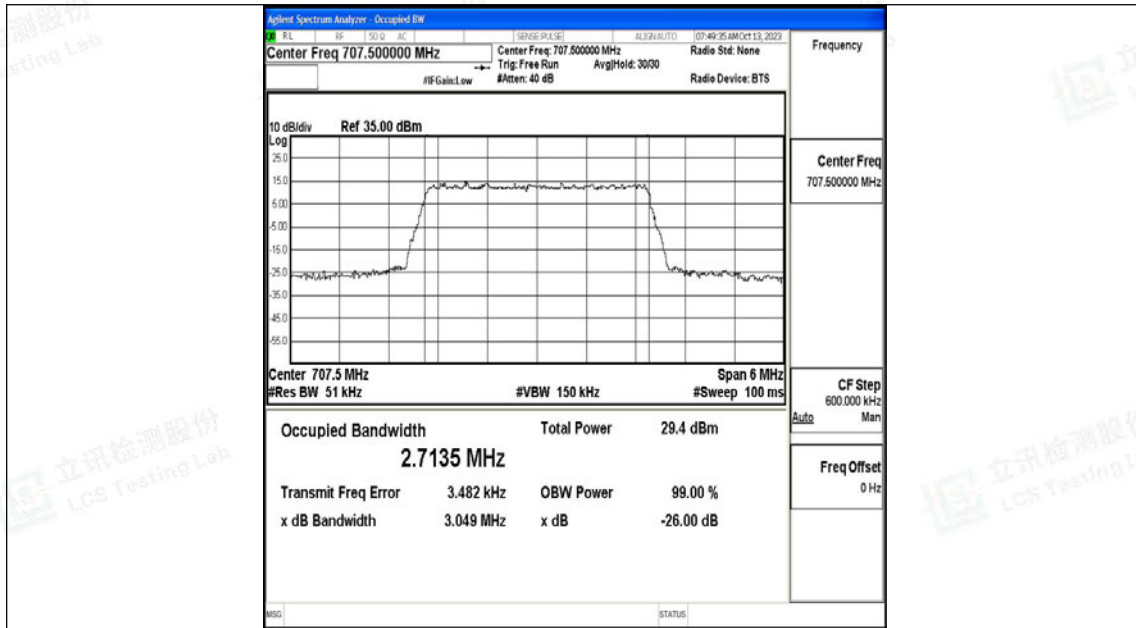
3MHz-23025



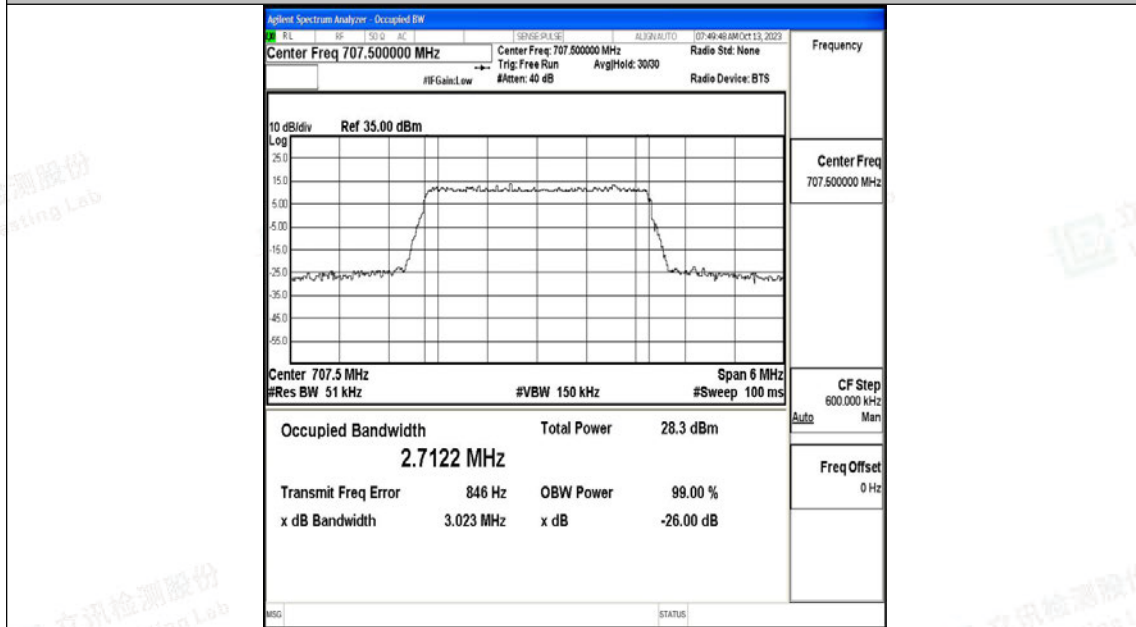
3MHz-23025





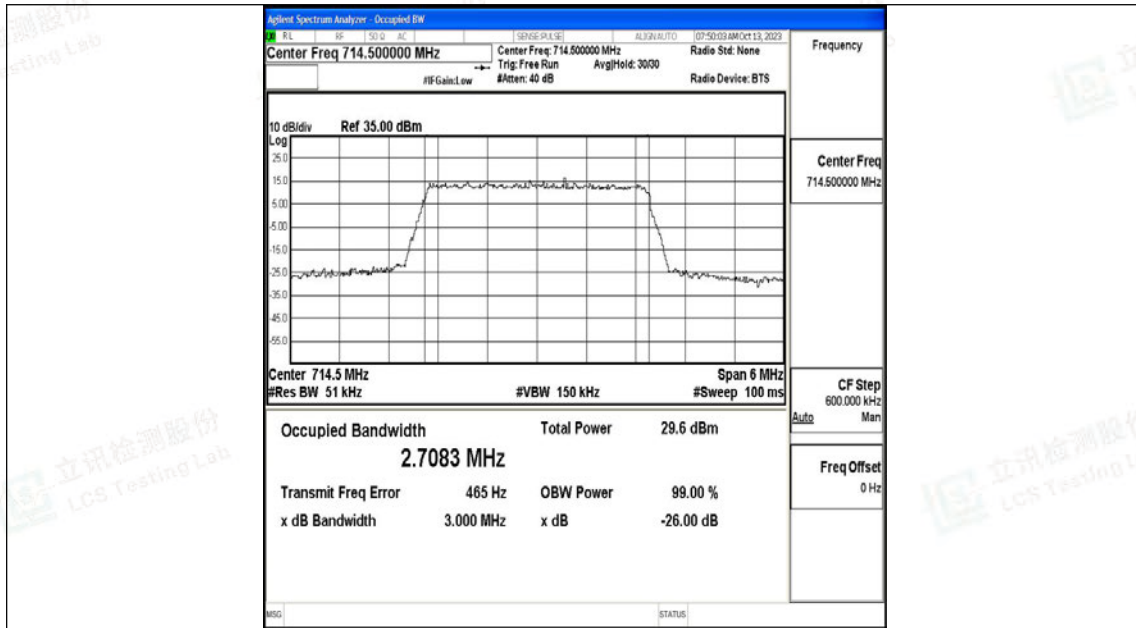


3MHz-23095

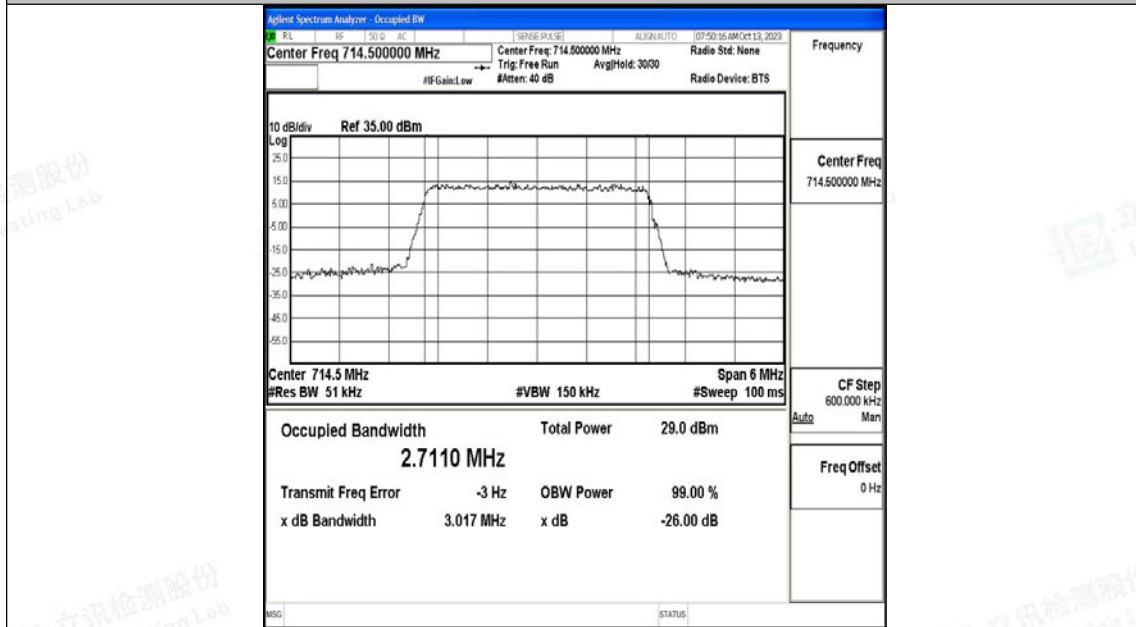


3MHz-23095



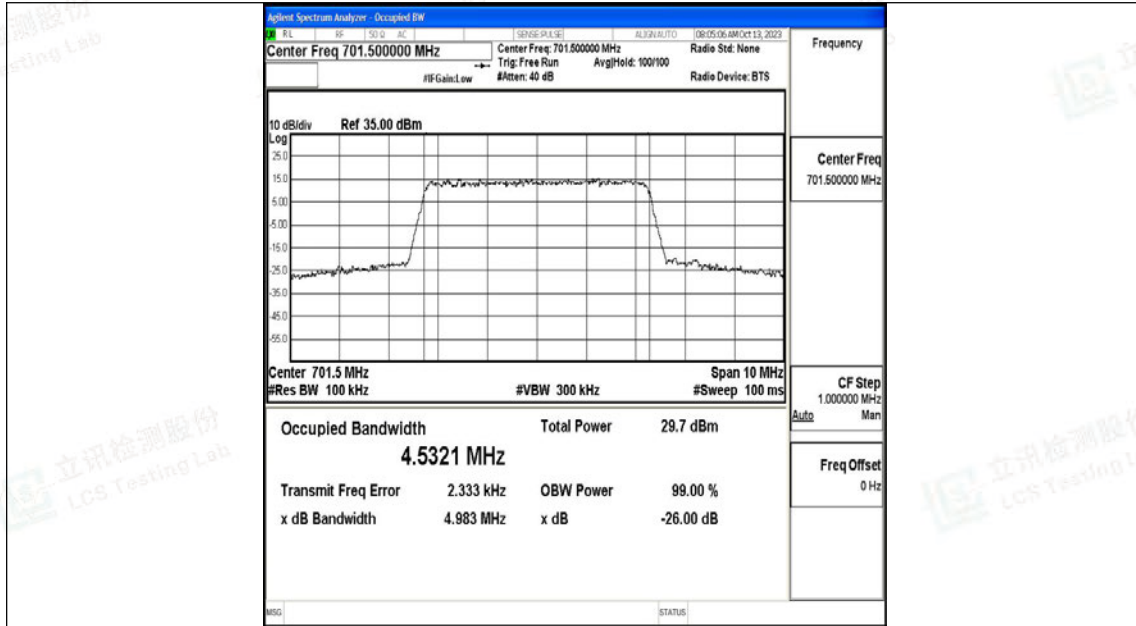


3MHz-23165

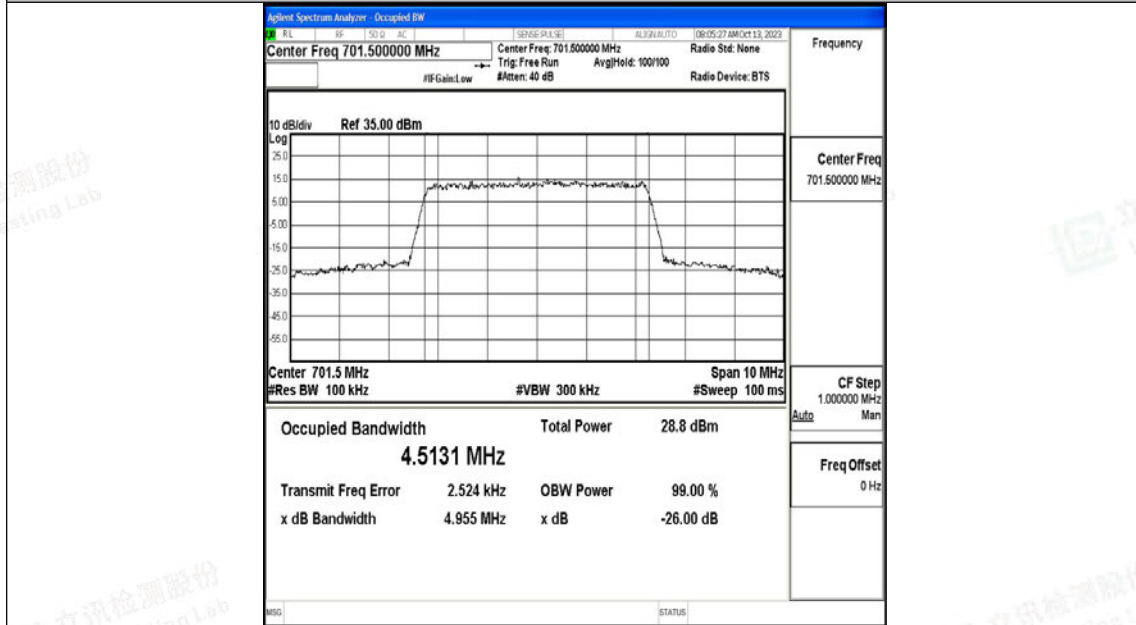


3MHz-23165



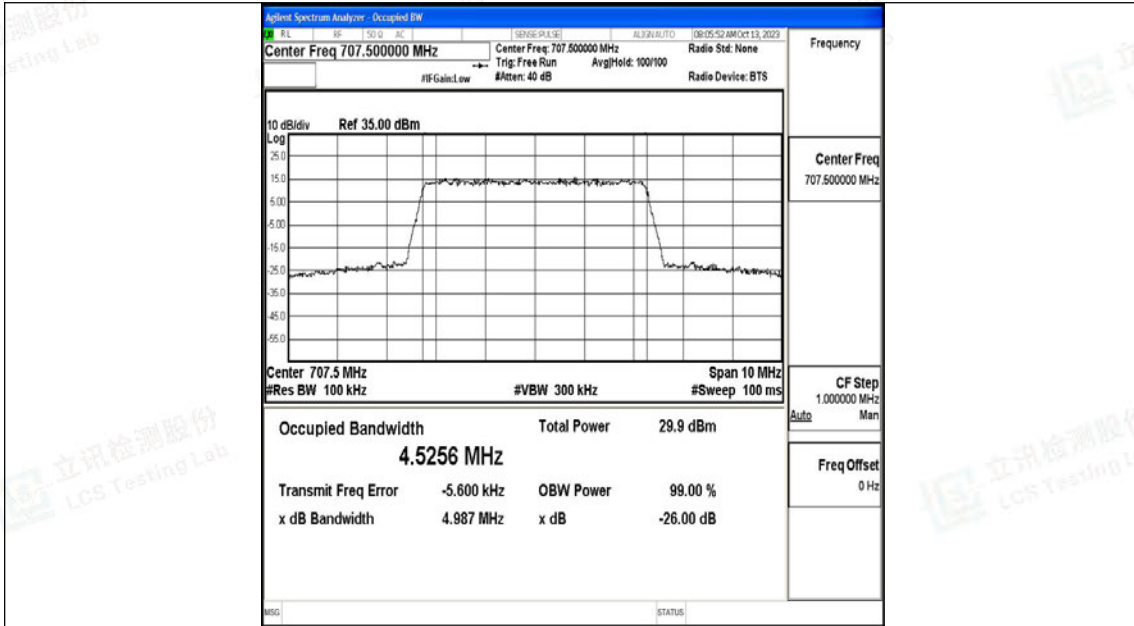


5MHz-23035

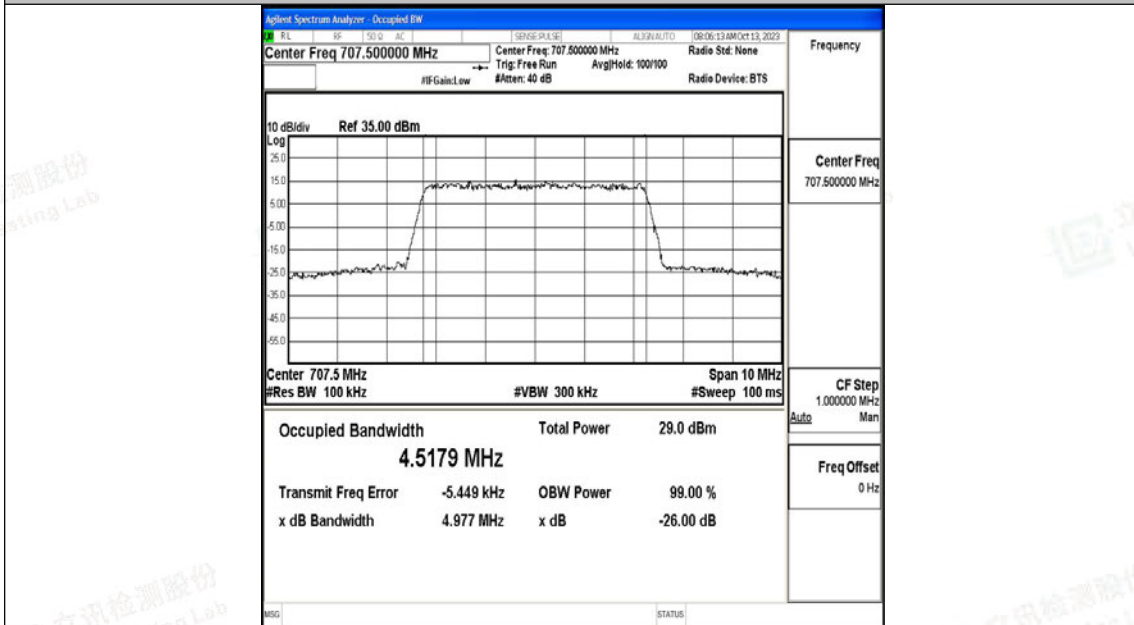


5MHz-23035





5MHz-23095

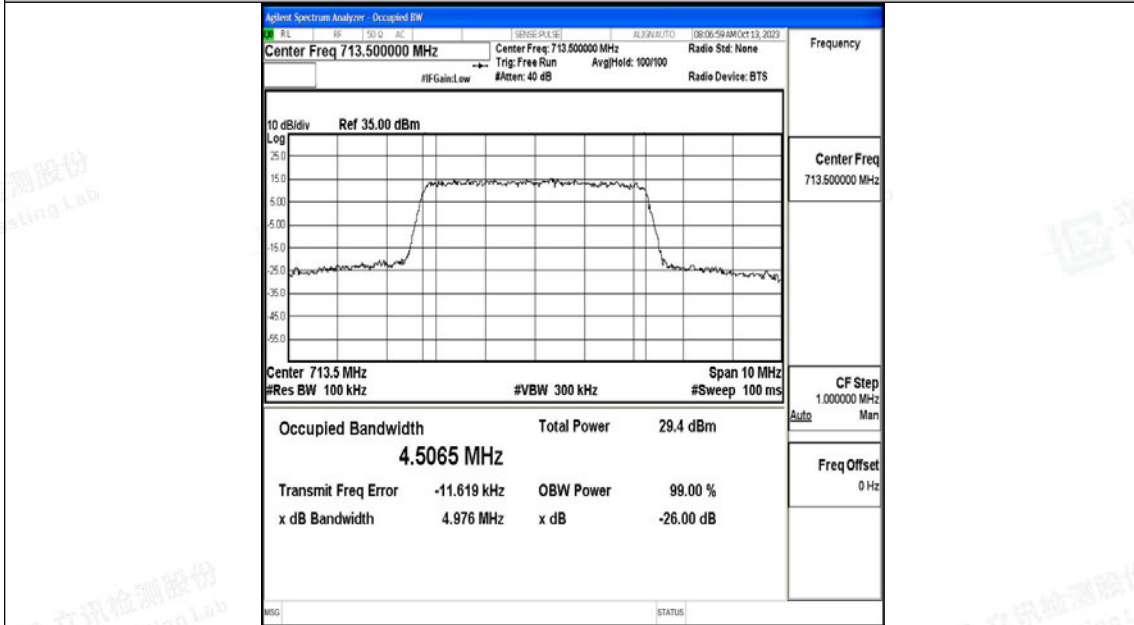


5MHz-23095



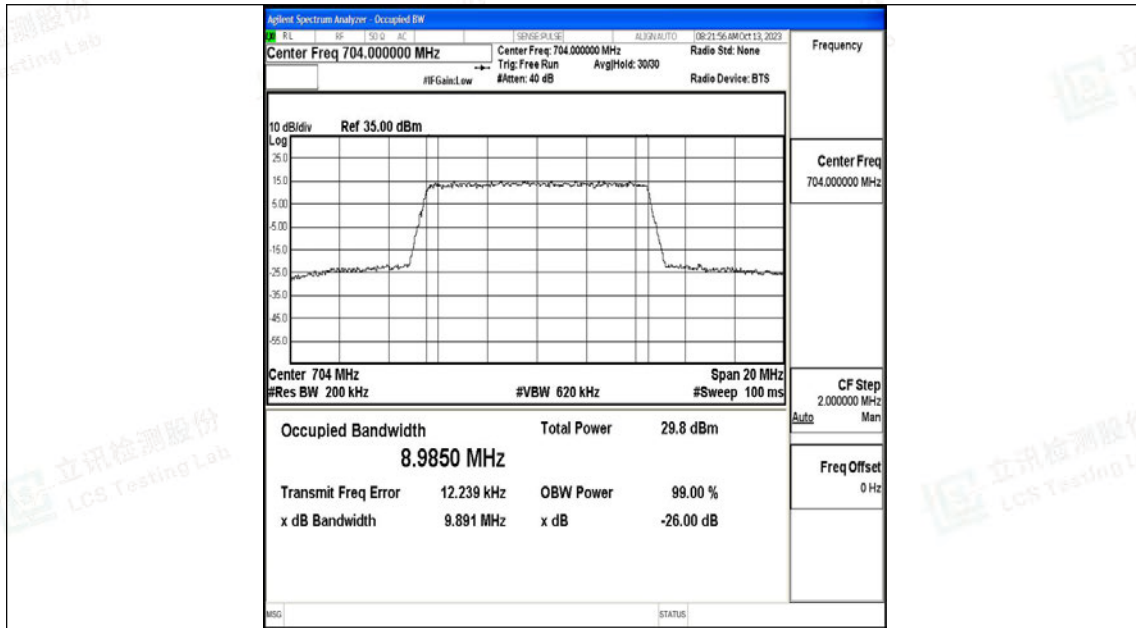


5MHz-23155

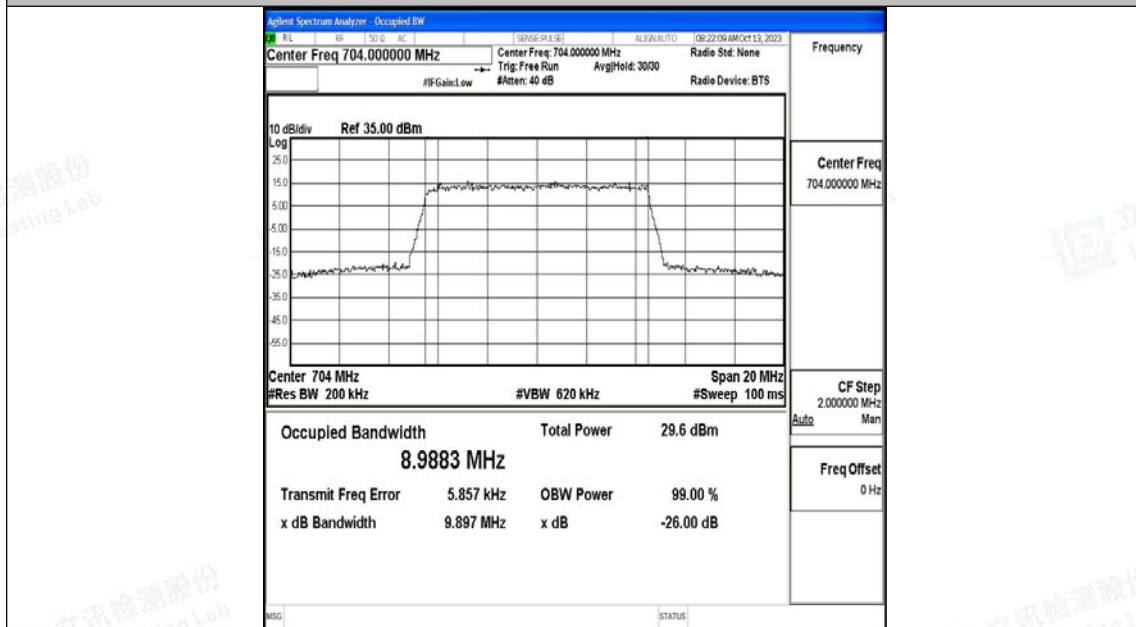


5MHz-23155



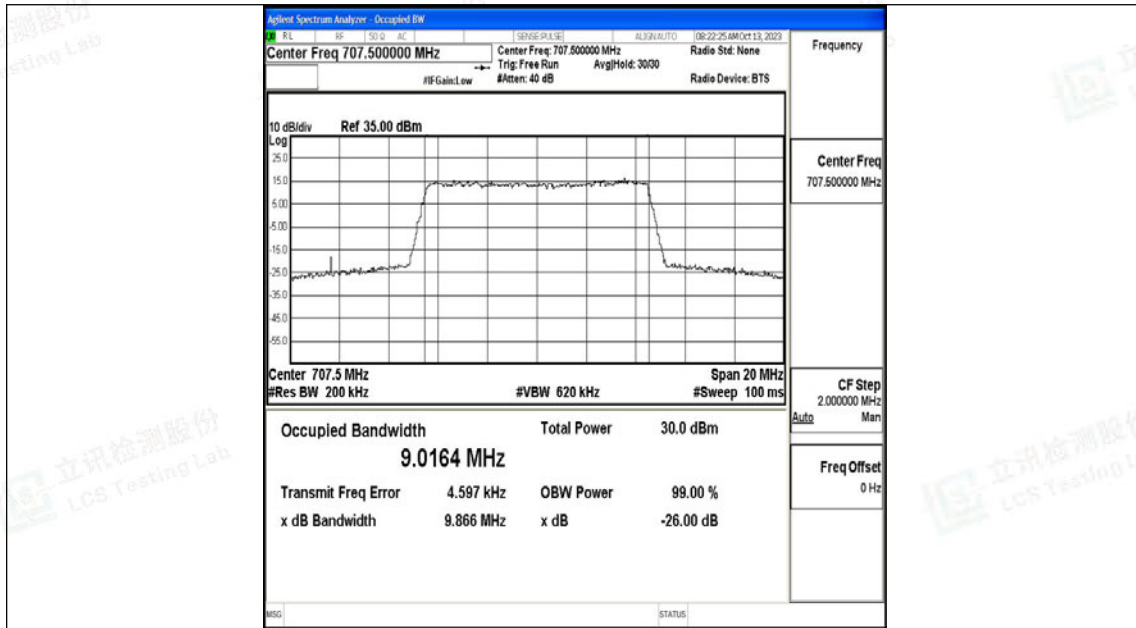


10MHz-23060

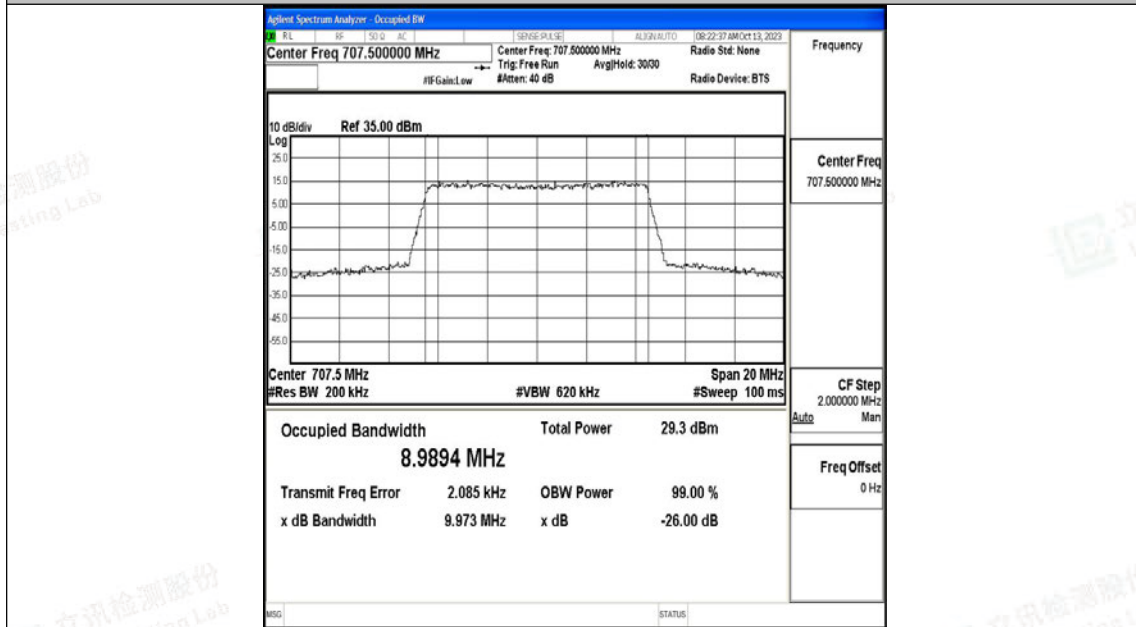


10MHz-23060



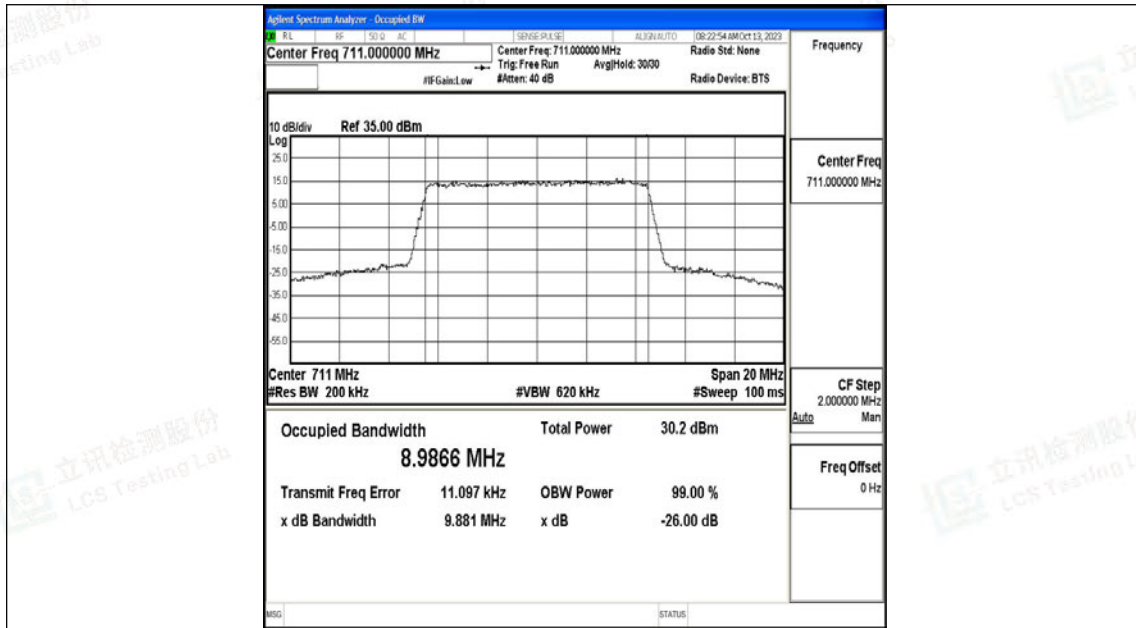


10MHz-23095



10MHz-23095





10MHz-23130



10MHz-23130





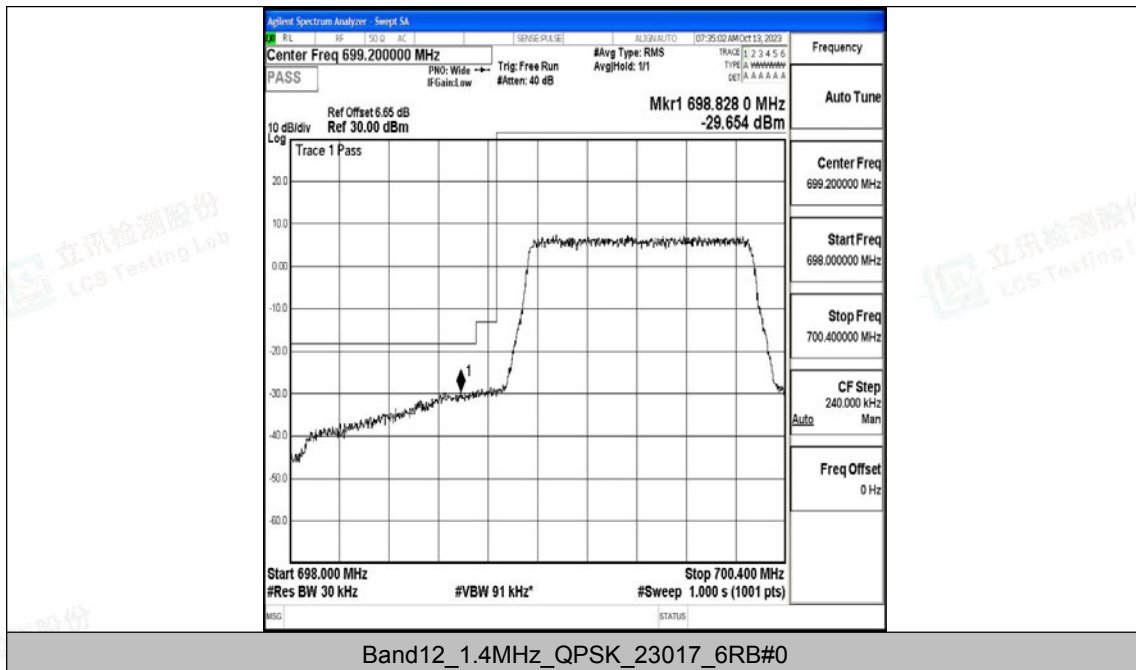


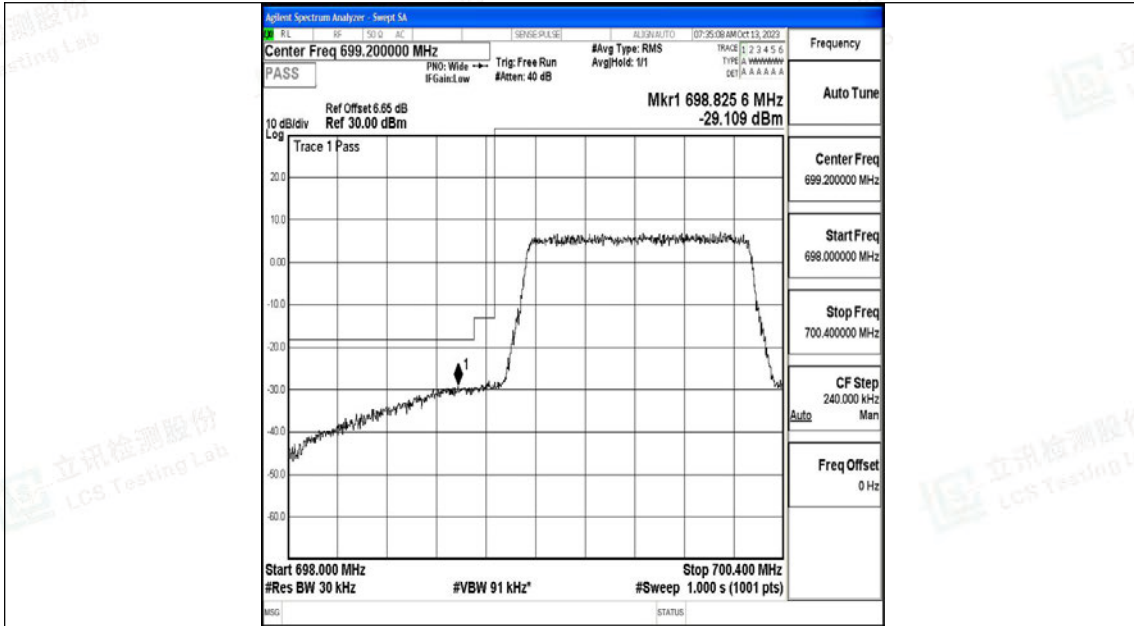
### I.4 Band Edge

#### Test Result

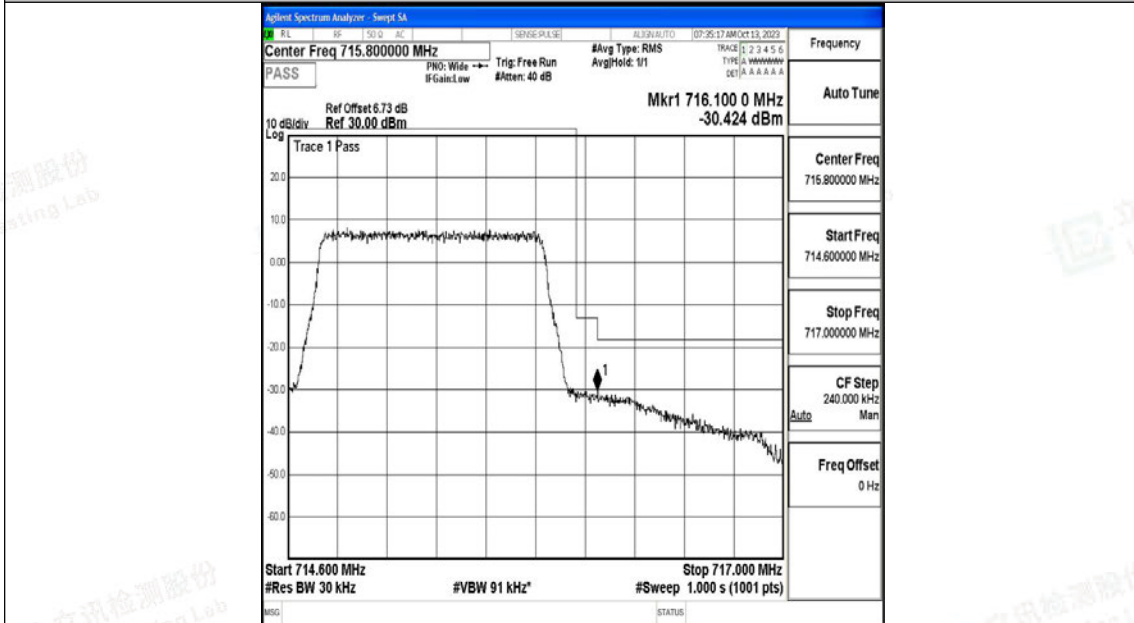
Band	Bandwidth	Modulation	Channel	RB Configuration	Peak Frequency	Result(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	698.83	-29.65	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	698.83	-29.11	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	716.10	-30.42	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	716.17	-30.46	PASS
Band12	3MHz	QPSK	23025	15RB#0	698.99	-26.18	PASS
Band12	3MHz	16QAM	23025	15RB#0	699.00	-26.23	PASS
Band12	3MHz	QPSK	23165	15RB#0	716.00	-25.75	PASS
Band12	3MHz	16QAM	23165	15RB#0	716.01	-27.19	PASS
Band12	5MHz	QPSK	23035	25RB#0	698.79	-34.85	PASS
Band12	5MHz	16QAM	23035	25RB#0	698.81	-35.06	PASS
Band12	5MHz	QPSK	23155	25RB#0	716.32	-35.91	PASS
Band12	5MHz	16QAM	23155	25RB#0	716.12	-34.86	PASS
Band12	10MHz	QPSK	23060	50RB#0	698.69	-38.18	PASS
Band12	10MHz	16QAM	23060	50RB#0	698.14	-37.79	PASS
Band12	10MHz	QPSK	23130	50RB#0	716.14	-37.31	PASS
Band12	10MHz	16QAM	23130	50RB#0	716.26	-38.21	PASS

#### Test Graphs



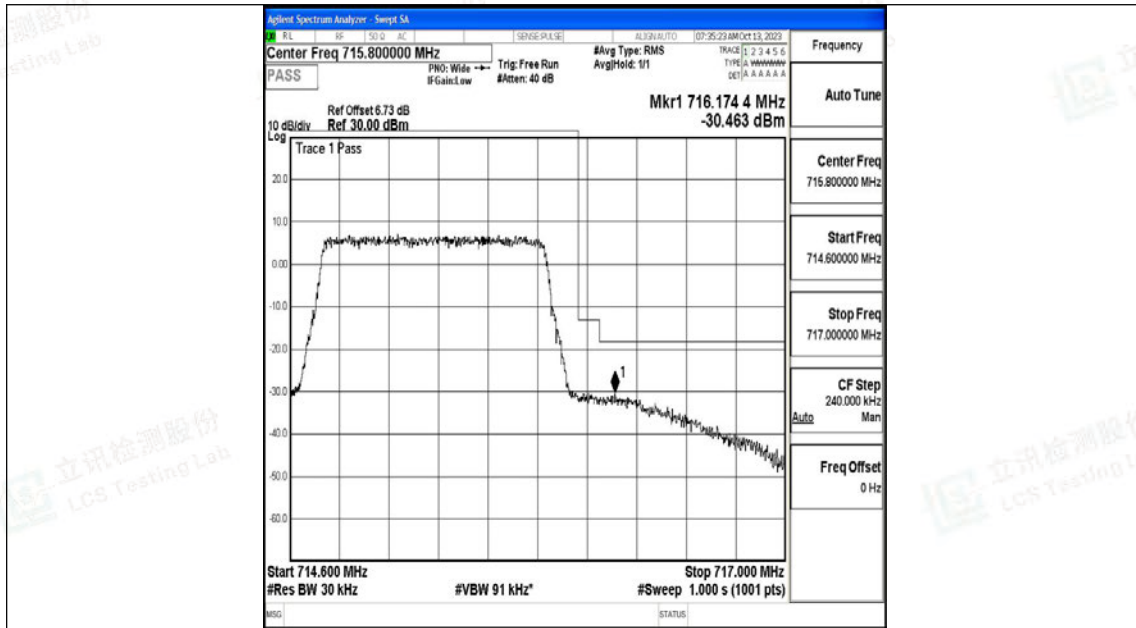


Band12\_1.4MHz\_16QAM\_23017\_6RB#0

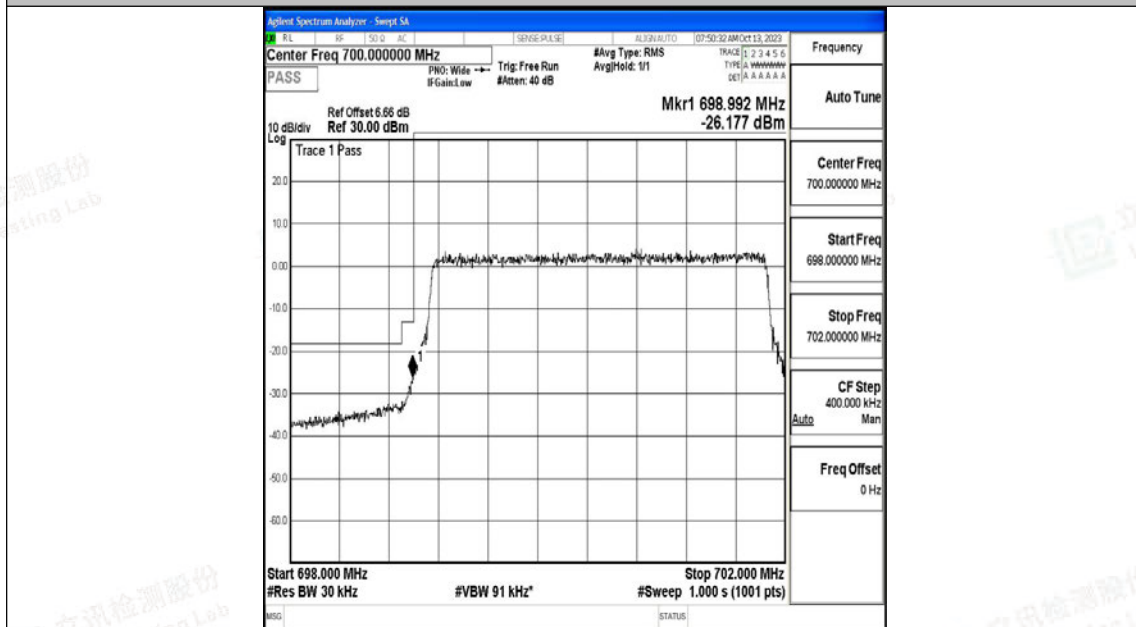


Band12\_1.4MHz\_QPSK\_23173\_6RB#0



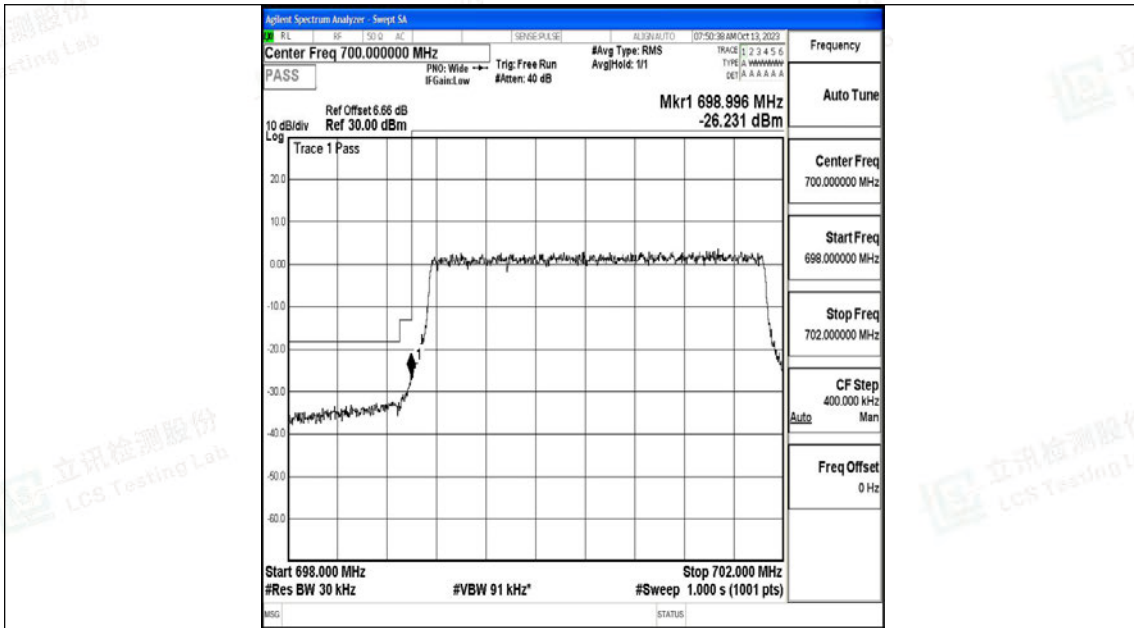


Band12\_1.4MHz\_16QAM\_23173\_6RB#0

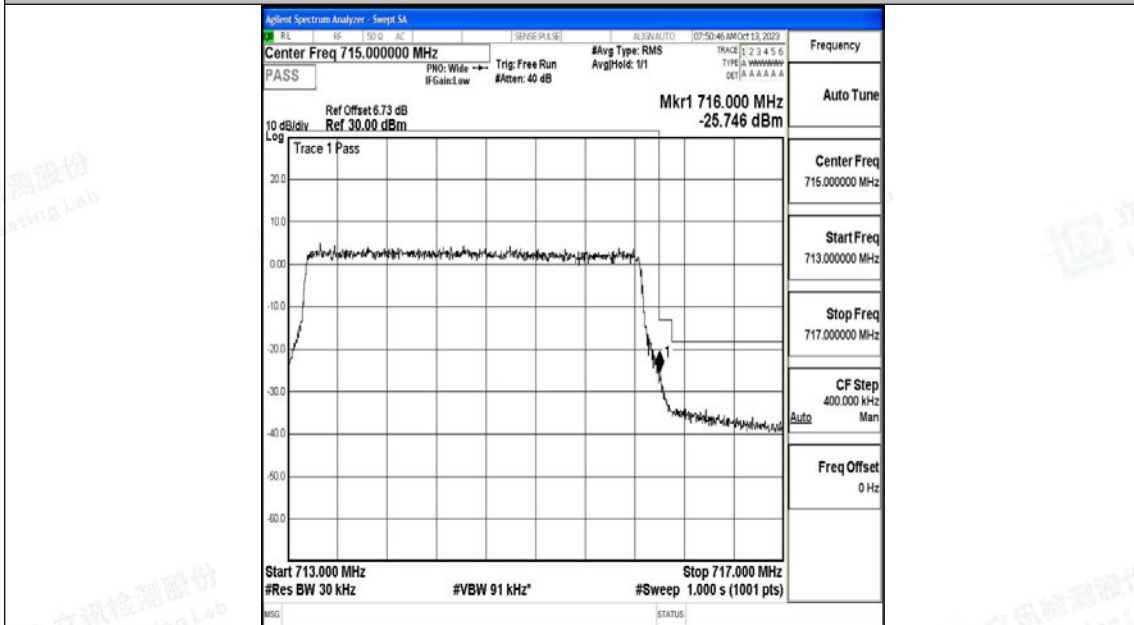


Band12\_3MHz\_QPSK\_23025\_15RB#0



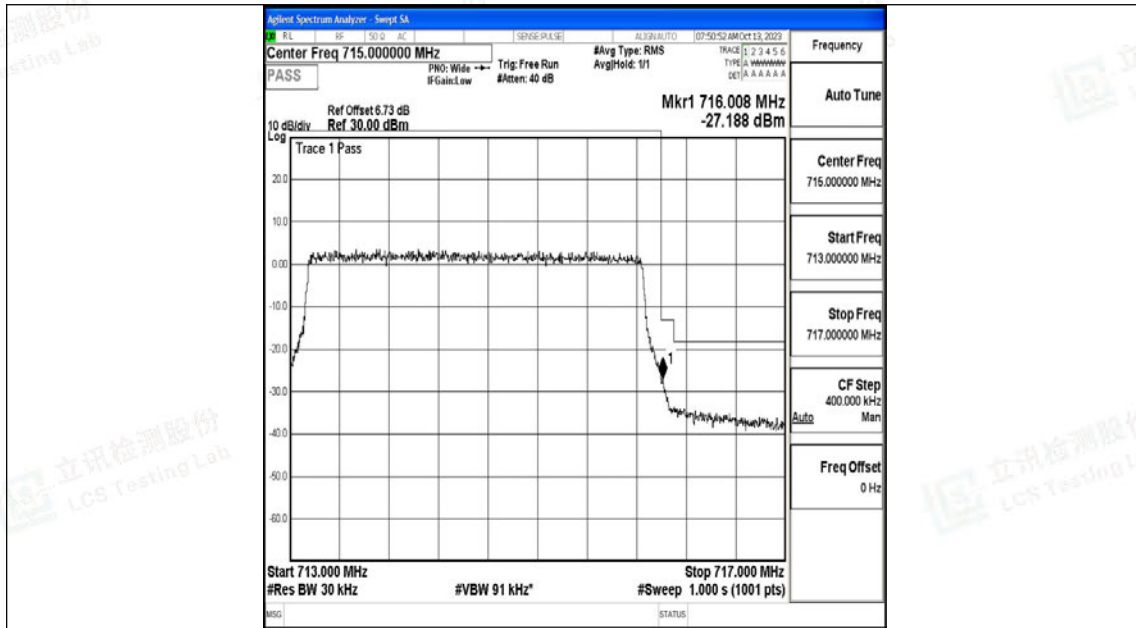


Band12\_3MHz\_16QAM\_23025\_15RB#0

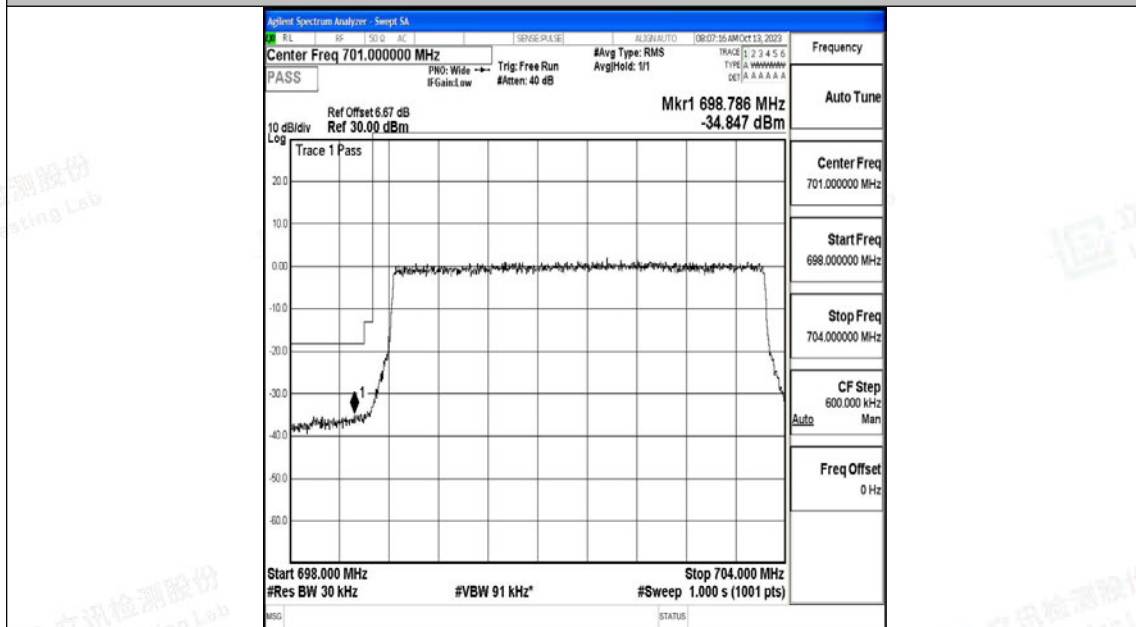


Band12\_3MHz\_QPSK\_23165\_15RB#0



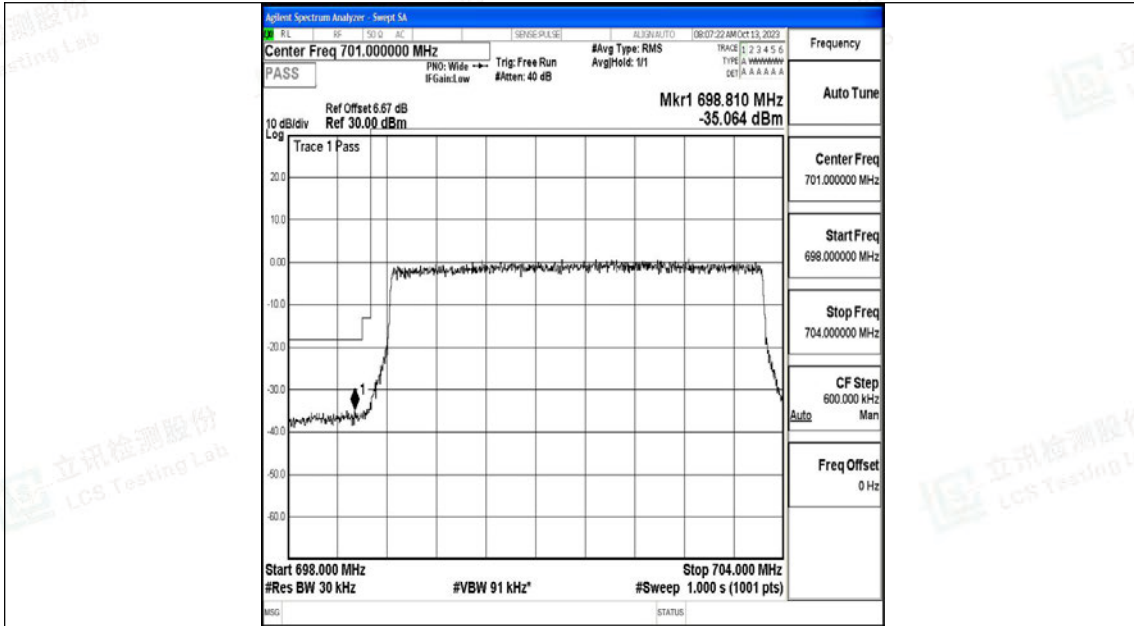


Band12\_3MHz\_16QAM\_23165\_15RB#0

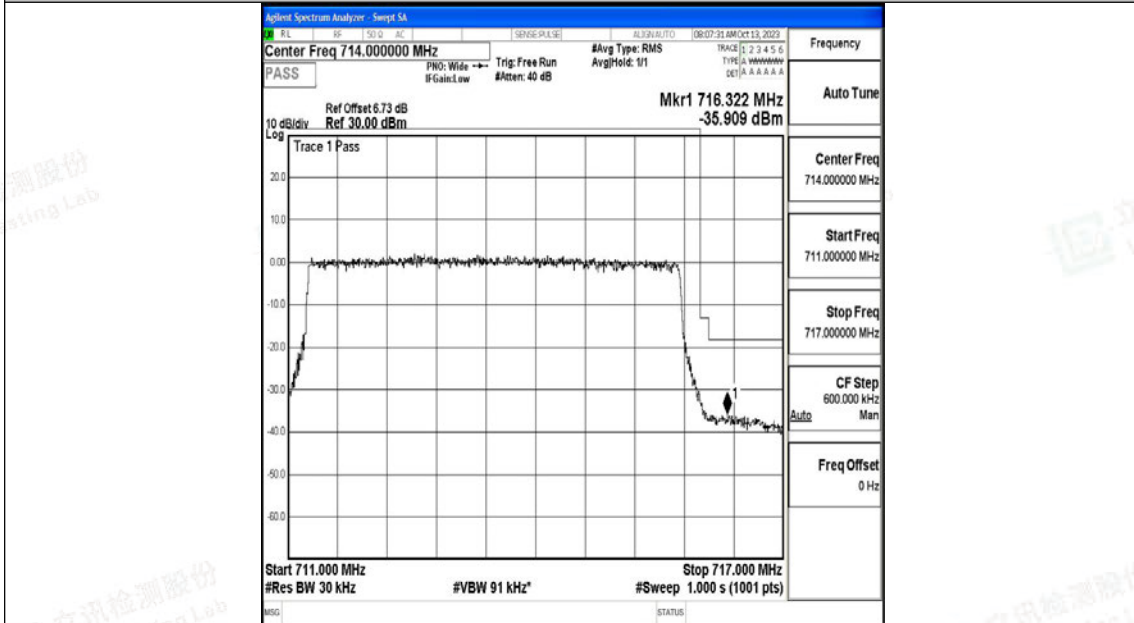


Band12\_5MHz\_QPSK\_23035\_25RB#0



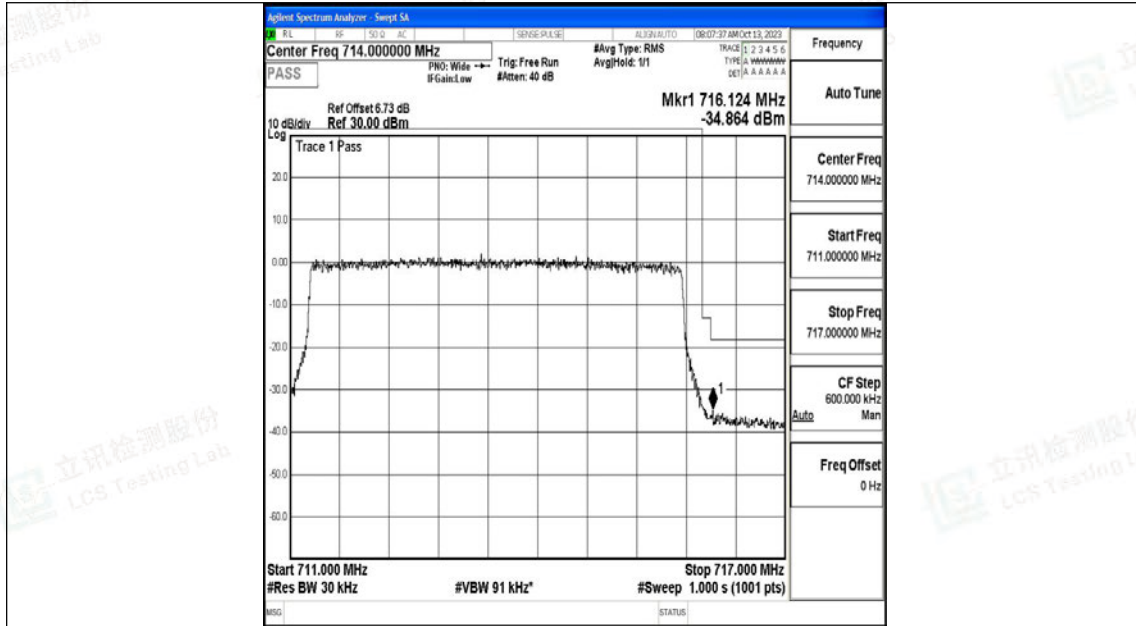


Band12\_5MHz\_16QAM\_23035\_25RB#0

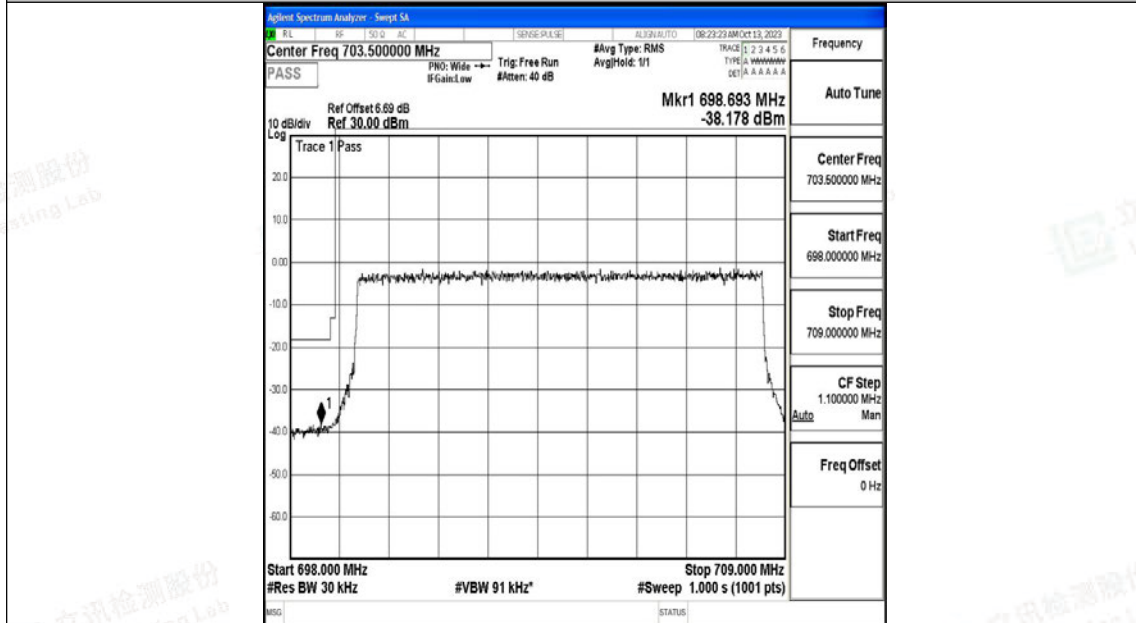


Band12\_5MHz\_QPSK\_23155\_25RB#0



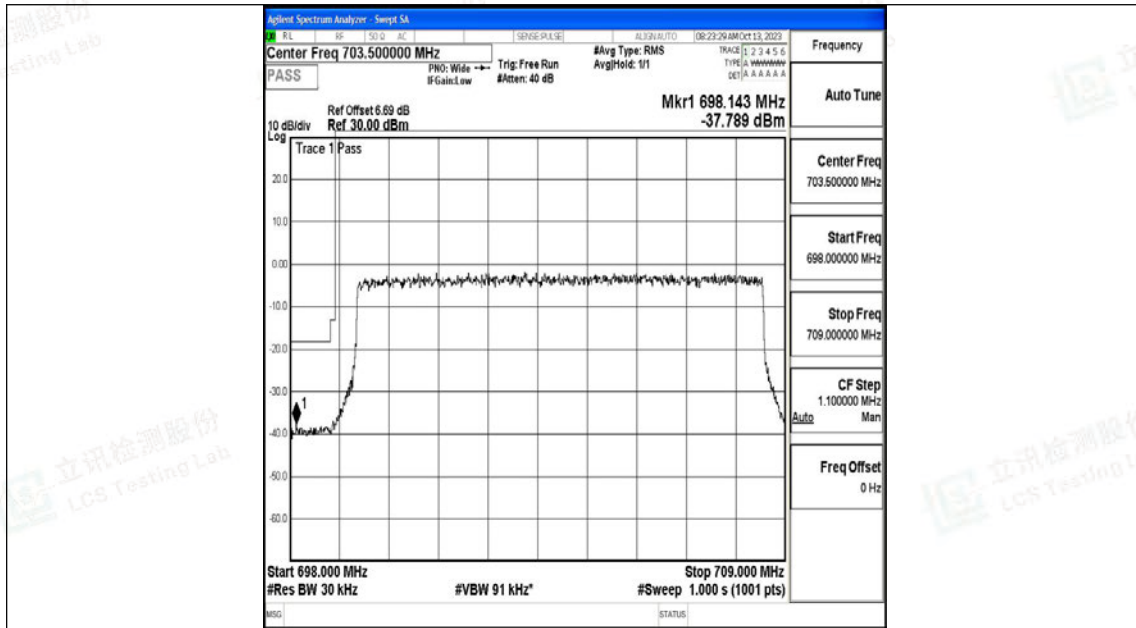


Band12\_5MHz\_16QAM\_23155\_25RB#0

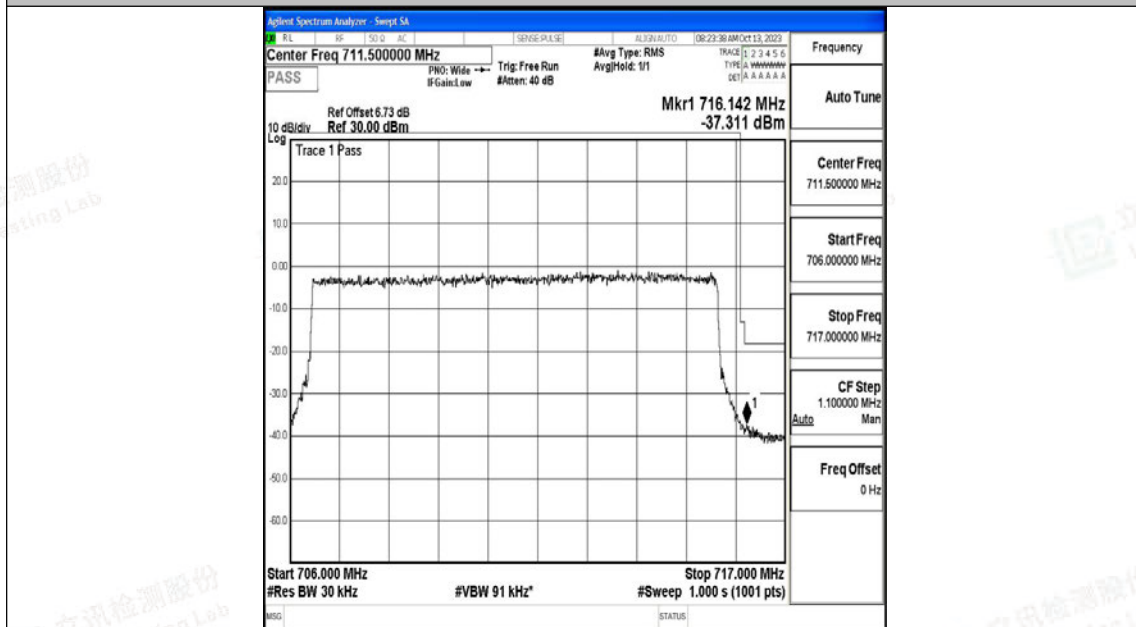


Band12\_10MHz\_QPSK\_23060\_50RB#0





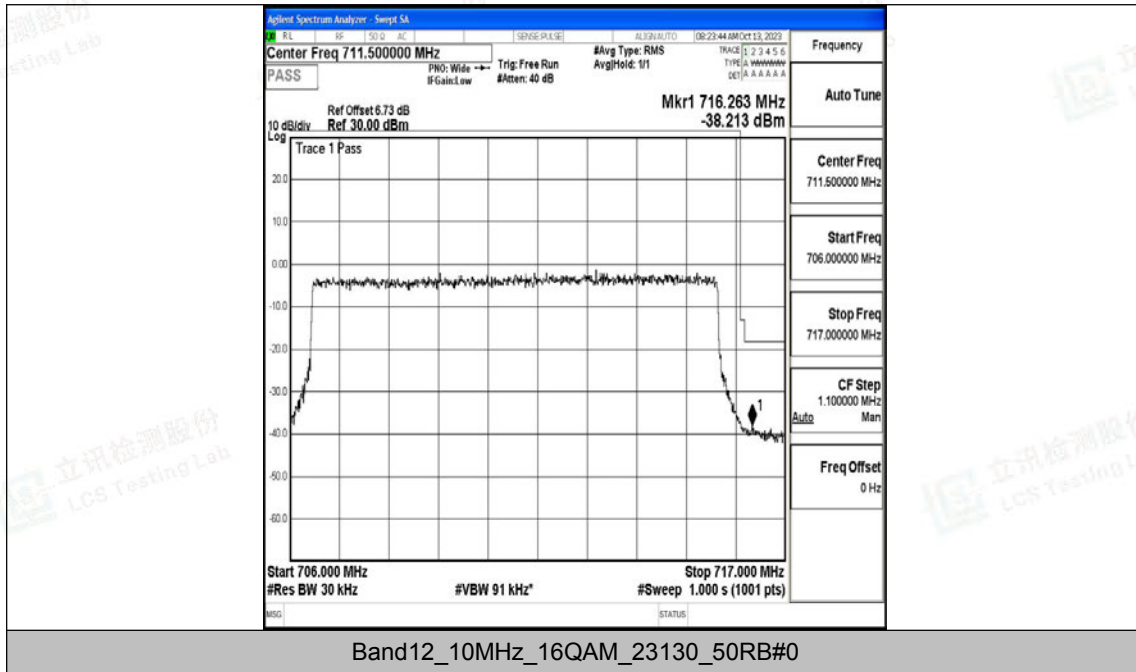
Band12\_10MHz\_16QAM\_23060\_50RB#0



Band12\_10MHz\_QPSK\_23130\_50RB#0









### 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	-51.03	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	30~1000	-59.91	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	1000~3000	-46.38	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	3000~10000	-44.45	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	0.009~0.15	-58.57	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	0.15~30	-50.72	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	30~1000	-60.14	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	1000~3000	-46.25	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	3000~10000	-44.74	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	0.009~0.15	-58.77	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	0.15~30	-51.85	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	30~1000	-59.49	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	1000~3000	-44.08	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	3000~10000	-44.43	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	0.009~0.15	-56.96	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	0.15~30	-52.97	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	30~1000	-58.62	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	1000~3000	-44.37	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	3000~10000	-44.24	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	0.009~0.15	-58.25	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	0.15~30	-51.97	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	30~1000	-59.71	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	1000~3000	-41.23	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	3000~10000	-44.56	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	0.009~0.15	-58.23	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	0.15~30	-51.84	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	30~1000	-59.39	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	1000~3000	-41.39	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	3000~10000	-44.46	PASS
Band12	3MHz	QPSK	23025	1RB#0	0.009~0.15	-58.51	PASS
Band12	3MHz	QPSK	23025	1RB#0	0.15~30	-51.70	PASS
Band12	3MHz	QPSK	23025	1RB#0	30~1000	-59.51	PASS
Band12	3MHz	QPSK	23025	1RB#0	1000~3000	-47.34	PASS
Band12	3MHz	QPSK	23025	1RB#0	3000~10000	-44.83	PASS





Band12	3MHz	16QAM	23025	1RB#0	0.009~0.15	-59.36	PASS
Band12	3MHz	16QAM	23025	1RB#0	0.15~30	-54.31	PASS
Band12	3MHz	16QAM	23025	1RB#0	30~1000	-60.60	PASS
Band12	3MHz	16QAM	23025	1RB#0	1000~3000	-46.29	PASS
Band12	3MHz	16QAM	23025	1RB#0	3000~10000	-44.68	PASS
Band12	3MHz	QPSK	23095	1RB#0	0.009~0.15	-58.59	PASS
Band12	3MHz	QPSK	23095	1RB#0	0.15~30	-51.09	PASS
Band12	3MHz	QPSK	23095	1RB#0	30~1000	-59.88	PASS
Band12	3MHz	QPSK	23095	1RB#0	1000~3000	-43.01	PASS
Band12	3MHz	QPSK	23095	1RB#0	3000~10000	-44.32	PASS
Band12	3MHz	16QAM	23095	1RB#0	0.009~0.15	-60.53	PASS
Band12	3MHz	16QAM	23095	1RB#0	0.15~30	-54.14	PASS
Band12	3MHz	16QAM	23095	1RB#0	30~1000	-61.13	PASS
Band12	3MHz	16QAM	23095	1RB#0	1000~3000	-42.44	PASS
Band12	3MHz	16QAM	23095	1RB#0	3000~10000	-44.64	PASS
Band12	3MHz	QPSK	23165	1RB#0	0.009~0.15	-56.86	PASS
Band12	3MHz	QPSK	23165	1RB#0	0.15~30	-51.71	PASS
Band12	3MHz	QPSK	23165	1RB#0	30~1000	-60.32	PASS
Band12	3MHz	QPSK	23165	1RB#0	1000~3000	-42.97	PASS
Band12	3MHz	QPSK	23165	1RB#0	3000~10000	-44.26	PASS
Band12	3MHz	16QAM	23165	1RB#0	0.009~0.15	-58.02	PASS
Band12	3MHz	16QAM	23165	1RB#0	0.15~30	-53.31	PASS
Band12	3MHz	16QAM	23165	1RB#0	30~1000	-61.42	PASS
Band12	3MHz	16QAM	23165	1RB#0	1000~3000	-42.33	PASS
Band12	3MHz	16QAM	23165	1RB#0	3000~10000	-44.54	PASS
Band12	5MHz	QPSK	23035	1RB#0	0.009~0.15	-57.30	PASS
Band12	5MHz	QPSK	23035	1RB#0	0.15~30	-54.17	PASS
Band12	5MHz	QPSK	23035	1RB#0	30~1000	-61.61	PASS
Band12	5MHz	QPSK	23035	1RB#0	1000~3000	-47.01	PASS
Band12	5MHz	QPSK	23035	1RB#0	3000~10000	-44.44	PASS
Band12	5MHz	16QAM	23035	1RB#0	0.009~0.15	-60.86	PASS
Band12	5MHz	16QAM	23035	1RB#0	0.15~30	-54.63	PASS
Band12	5MHz	16QAM	23035	1RB#0	30~1000	-61.87	PASS
Band12	5MHz	16QAM	23035	1RB#0	1000~3000	-46.99	PASS
Band12	5MHz	16QAM	23035	1RB#0	3000~10000	-44.91	PASS
Band12	5MHz	QPSK	23095	1RB#0	0.009~0.15	-59.42	PASS
Band12	5MHz	QPSK	23095	1RB#0	0.15~30	-52.64	PASS
Band12	5MHz	QPSK	23095	1RB#0	30~1000	-62.01	PASS
Band12	5MHz	QPSK	23095	1RB#0	1000~3000	-42.22	PASS
Band12	5MHz	QPSK	23095	1RB#0	3000~10000	-44.51	PASS



Shenzhen LCS Compliance Testing Laboratory Ltd.

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

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

Scan code to check authenticity



Band12	5MHz	16QAM	23095	1RB#0	0.009~0.15	-60.88	PASS
Band12	5MHz	16QAM	23095	1RB#0	0.15~30	-53.16	PASS
Band12	5MHz	16QAM	23095	1RB#0	30~1000	-62.76	PASS
Band12	5MHz	16QAM	23095	1RB#0	1000~3000	-42.73	PASS
Band12	5MHz	16QAM	23095	1RB#0	3000~10000	-44.67	PASS
Band12	5MHz	QPSK	23155	1RB#0	0.009~0.15	-56.70	PASS
Band12	5MHz	QPSK	23155	1RB#0	0.15~30	-52.53	PASS
Band12	5MHz	QPSK	23155	1RB#0	30~1000	-62.15	PASS
Band12	5MHz	QPSK	23155	1RB#0	1000~3000	-47.46	PASS
Band12	5MHz	QPSK	23155	1RB#0	3000~10000	-44.38	PASS
Band12	5MHz	16QAM	23155	1RB#0	0.009~0.15	-60.28	PASS
Band12	5MHz	16QAM	23155	1RB#0	0.15~30	-52.39	PASS
Band12	5MHz	16QAM	23155	1RB#0	30~1000	-60.91	PASS
Band12	5MHz	16QAM	23155	1RB#0	1000~3000	-47.85	PASS
Band12	5MHz	16QAM	23155	1RB#0	3000~10000	-44.14	PASS
Band12	10MHz	QPSK	23060	1RB#0	0.009~0.15	-57.57	PASS
Band12	10MHz	QPSK	23060	1RB#0	0.15~30	-53.04	PASS
Band12	10MHz	QPSK	23060	1RB#0	30~1000	-62.43	PASS
Band12	10MHz	QPSK	23060	1RB#0	1000~3000	-45.72	PASS
Band12	10MHz	QPSK	23060	1RB#0	3000~10000	-44.50	PASS
Band12	10MHz	16QAM	23060	1RB#0	0.009~0.15	-58.97	PASS
Band12	10MHz	16QAM	23060	1RB#0	0.15~30	-54.13	PASS
Band12	10MHz	16QAM	23060	1RB#0	30~1000	-62.53	PASS
Band12	10MHz	16QAM	23060	1RB#0	1000~3000	-47.09	PASS
Band12	10MHz	16QAM	23060	1RB#0	3000~10000	-44.61	PASS
Band12	10MHz	QPSK	23095	1RB#0	0.009~0.15	-56.46	PASS
Band12	10MHz	QPSK	23095	1RB#0	0.15~30	-52.25	PASS
Band12	10MHz	QPSK	23095	1RB#0	30~1000	-62.46	PASS
Band12	10MHz	QPSK	23095	1RB#0	1000~3000	-42.08	PASS
Band12	10MHz	QPSK	23095	1RB#0	3000~10000	-44.74	PASS
Band12	10MHz	16QAM	23095	1RB#0	0.009~0.15	-59.91	PASS
Band12	10MHz	16QAM	23095	1RB#0	0.15~30	-53.33	PASS
Band12	10MHz	16QAM	23095	1RB#0	30~1000	-62.44	PASS
Band12	10MHz	16QAM	23095	1RB#0	1000~3000	-42.78	PASS
Band12	10MHz	16QAM	23095	1RB#0	3000~10000	-44.89	PASS
Band12	10MHz	QPSK	23130	1RB#0	0.009~0.15	-58.77	PASS
Band12	10MHz	QPSK	23130	1RB#0	0.15~30	-54.13	PASS
Band12	10MHz	QPSK	23130	1RB#0	30~1000	-62.65	PASS
Band12	10MHz	QPSK	23130	1RB#0	1000~3000	-42.94	PASS
Band12	10MHz	QPSK	23130	1RB#0	3000~10000	-44.68	PASS



Shenzhen LCS Compliance Testing Laboratory Ltd.

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

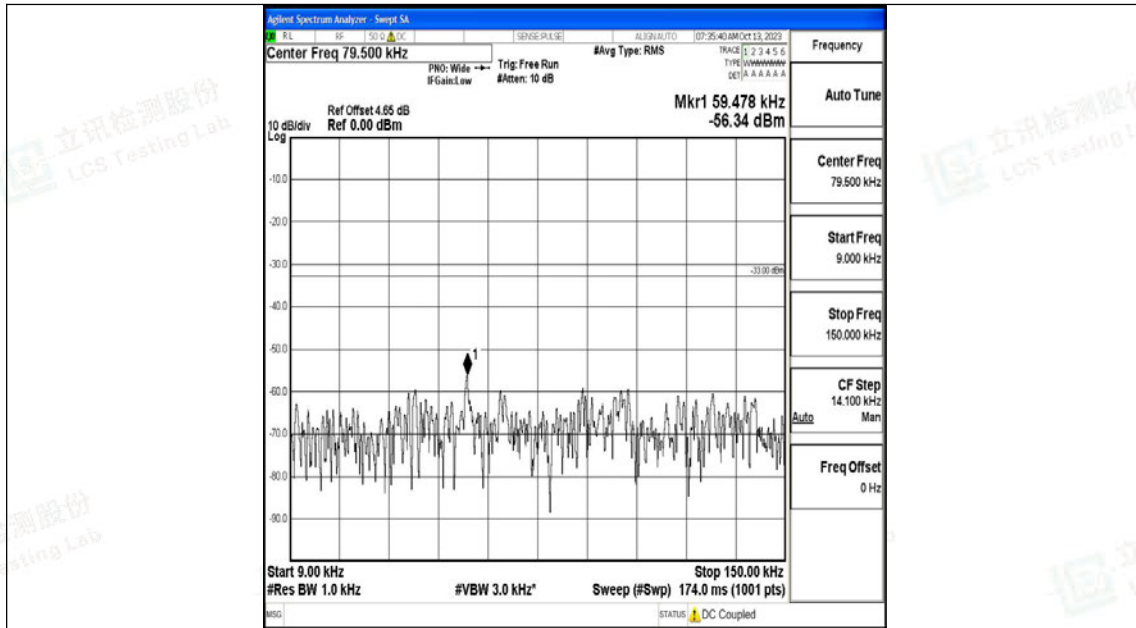
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

Scan code to check authenticity

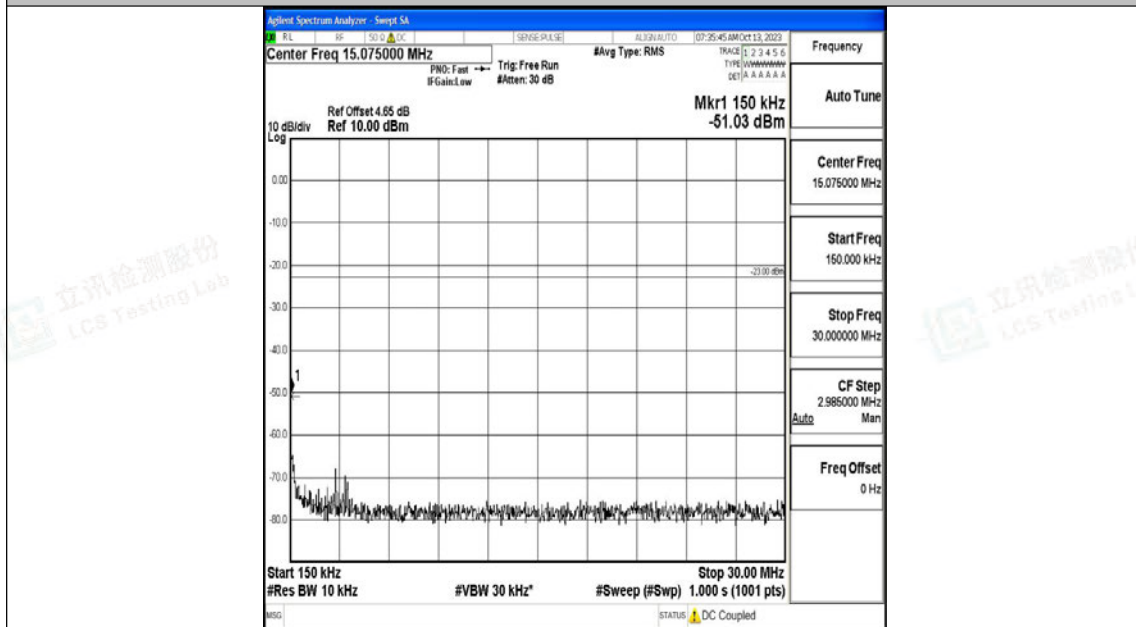


Band12	10MHz	16QAM	23130	1RB#0	0.009~0.15	-58.71	PASS
Band12	10MHz	16QAM	23130	1RB#0	0.15~30	-52.22	PASS
Band12	10MHz	16QAM	23130	1RB#0	30~1000	-62.60	PASS
Band12	10MHz	16QAM	23130	1RB#0	1000~3000	-42.46	PASS
Band12	10MHz	16QAM	23130	1RB#0	3000~10000	-44.41	PASS

### Test Graphs

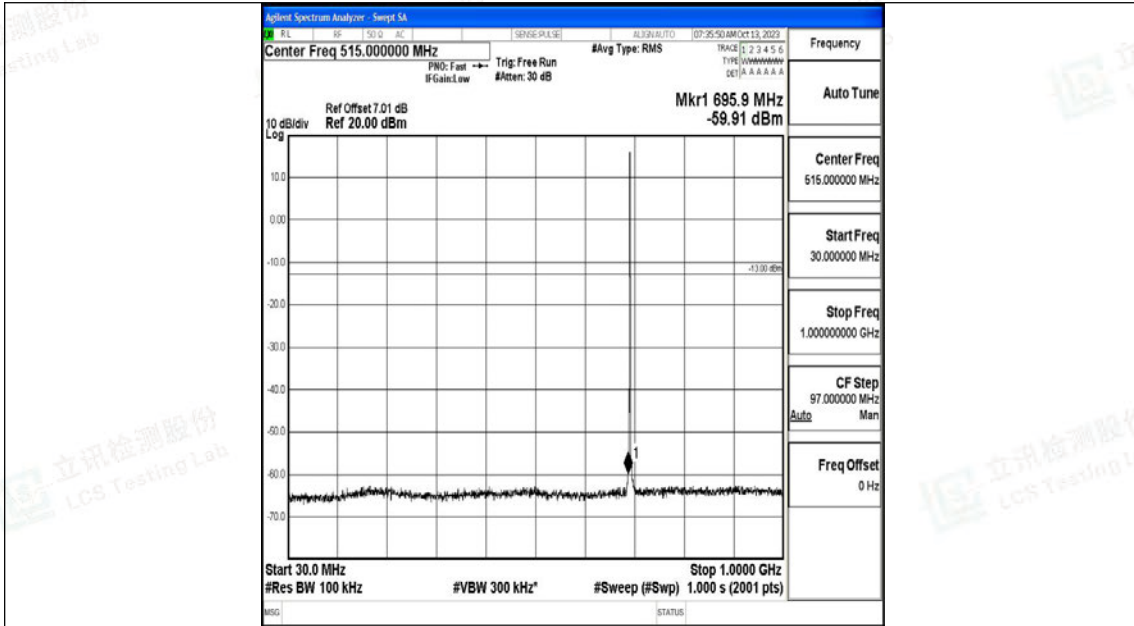


Band12\_1.4MHz\_QPSK\_23017\_1RB#0\_0.009~0.15\_0.009~0.15

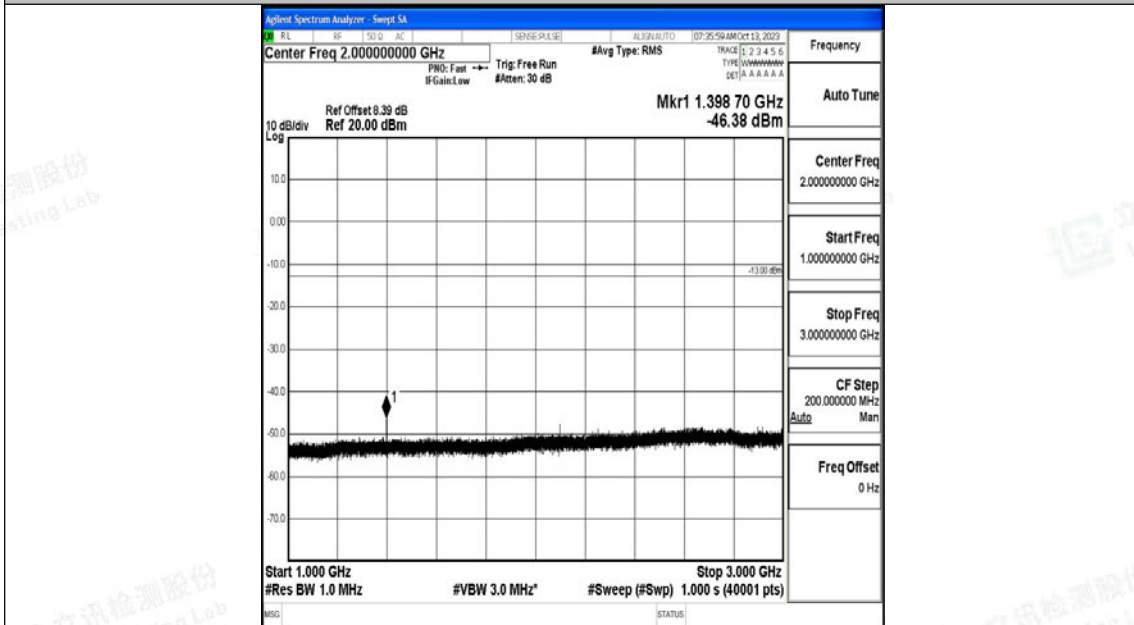


Band12\_1.4MHz\_QPSK\_23017\_1RB#0\_0.15~30\_0.15~30



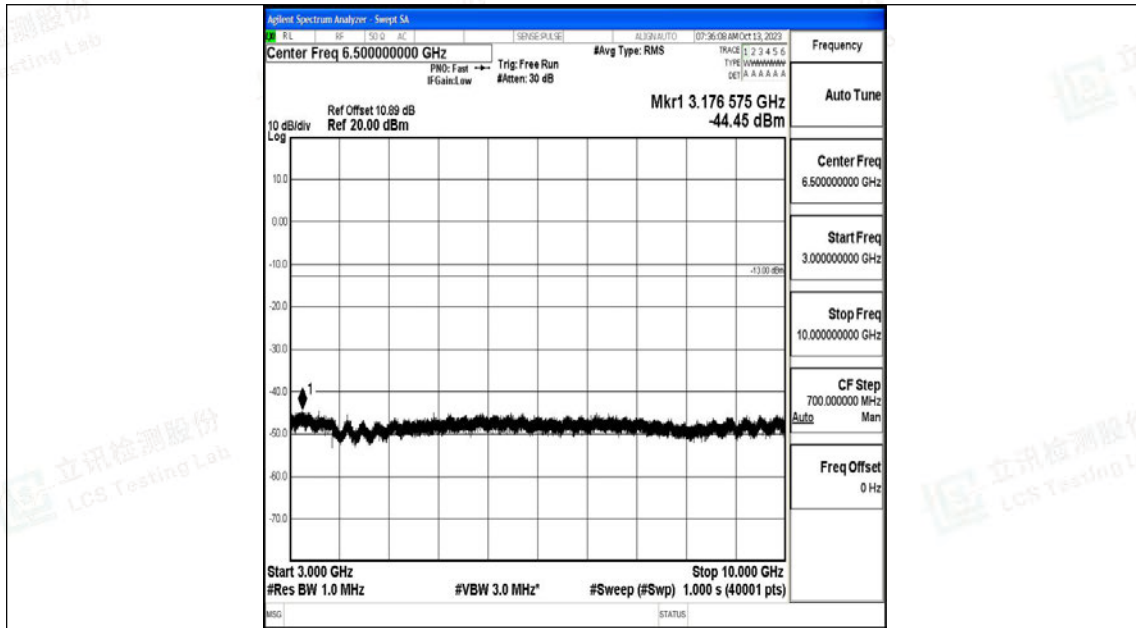


Band12\_1.4MHz\_QPSK\_23017\_1RB#0\_30~1000\_30~1000

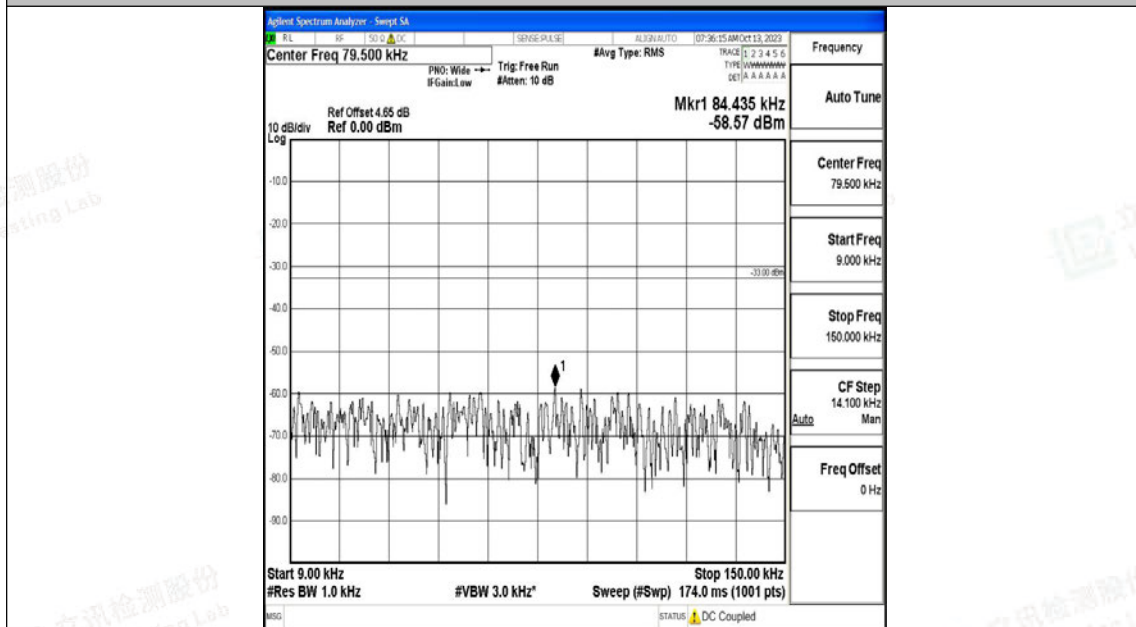


Band12\_1.4MHz\_QPSK\_23017\_1RB#0\_1000~3000\_1000~3000



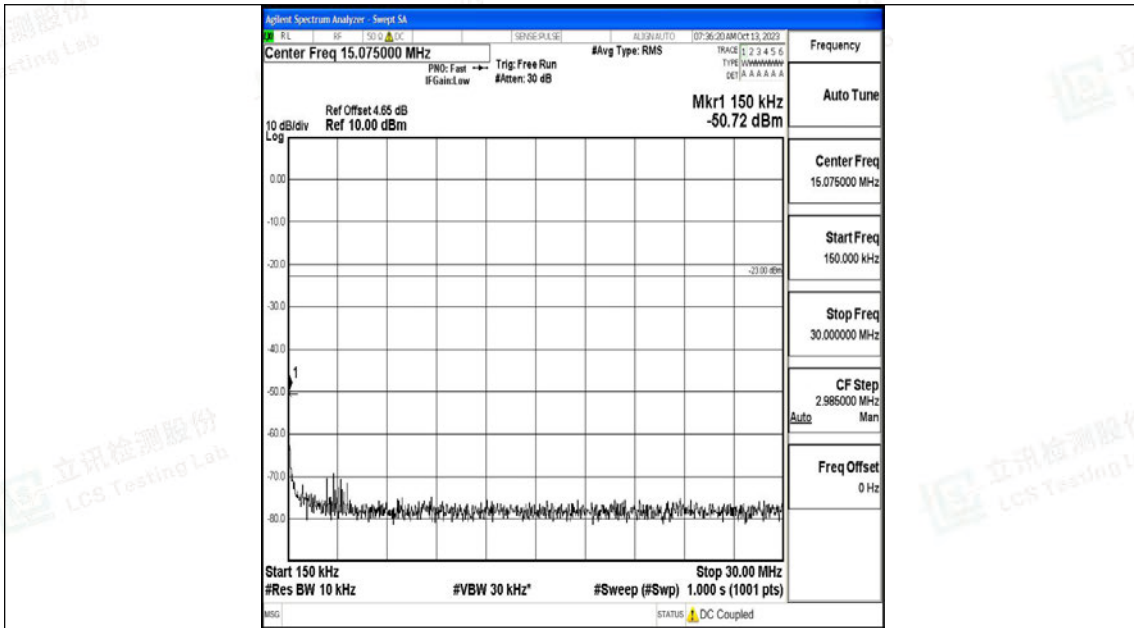


Band12\_1.4MHz\_QPSK\_23017\_1RB#0\_3000~10000\_3000~10000

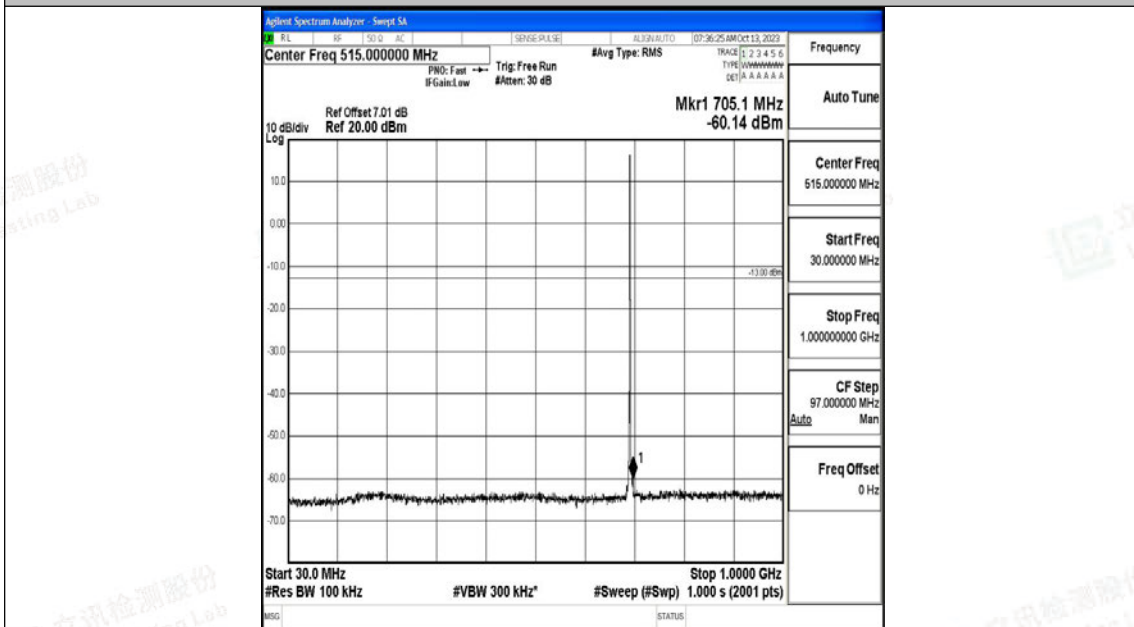


Band12\_1.4MHz\_16QAM\_23017\_1RB#0\_0.009~0.15\_0.009~0.15





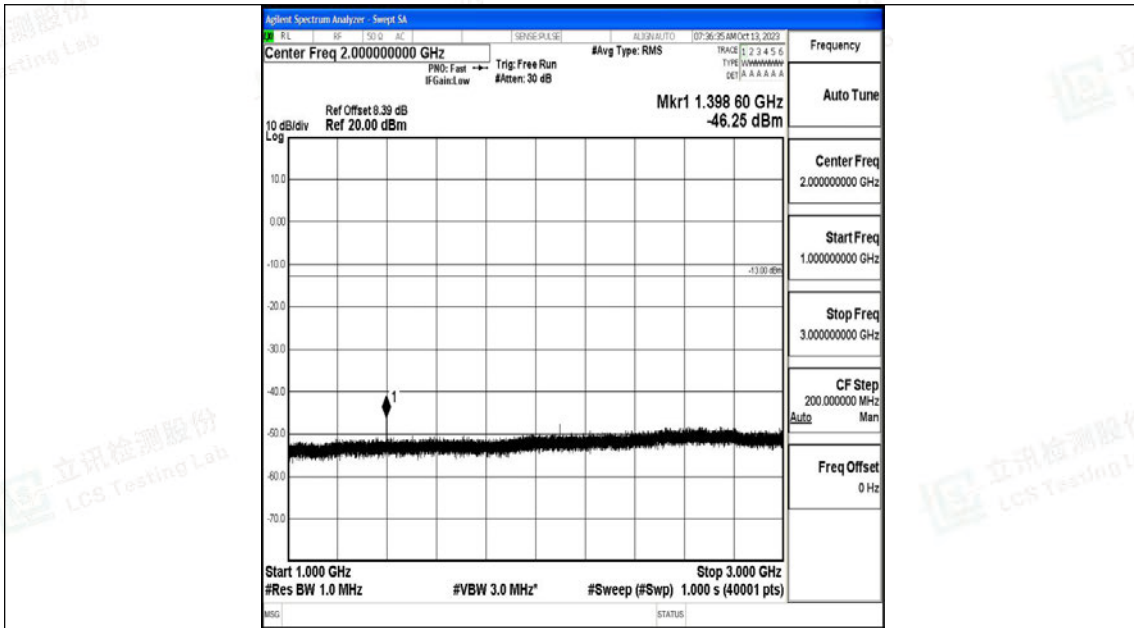
Band12\_1.4MHz\_16QAM\_23017\_1RB#0\_0.15~30\_0.15~30



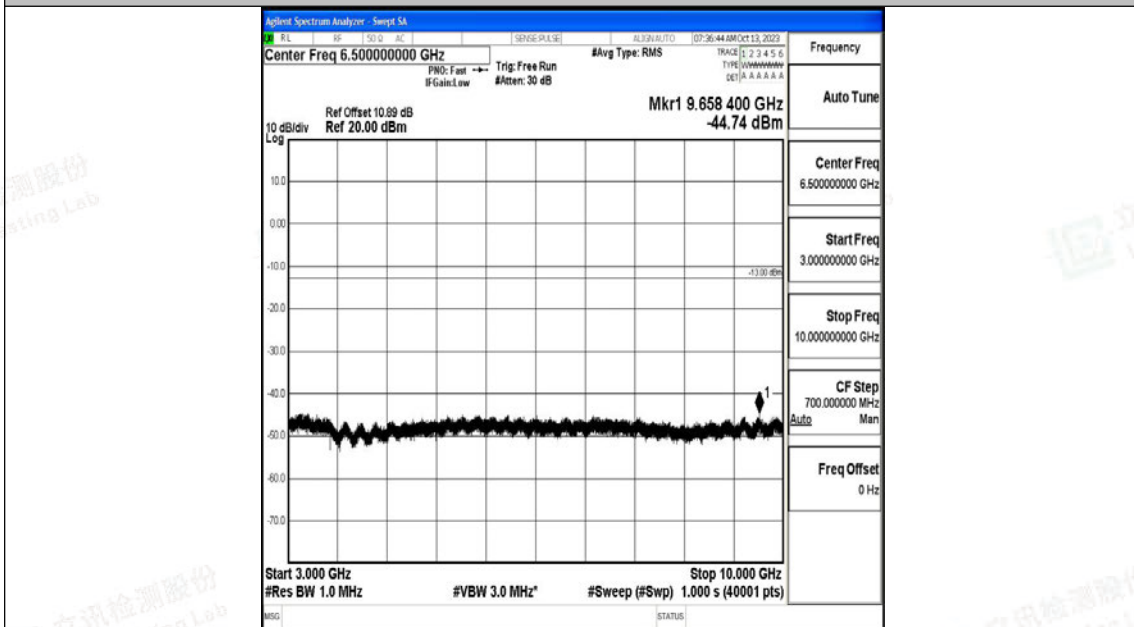
Band12\_1.4MHz\_16QAM\_23017\_1RB#0\_30~1000\_30~1000





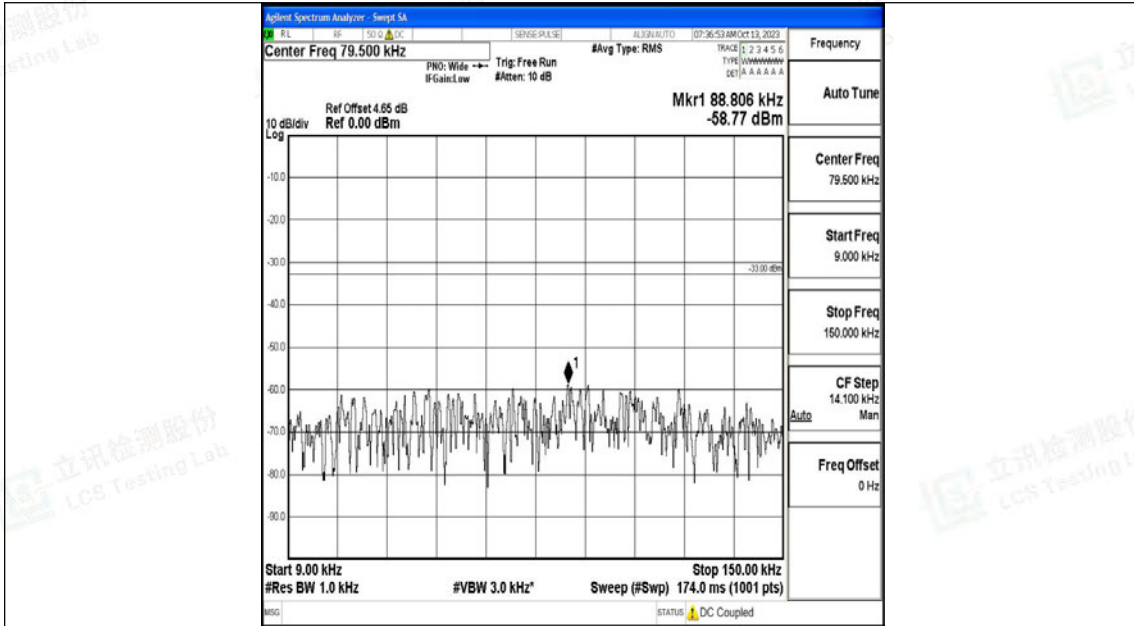


Band12\_1.4MHz\_16QAM\_23017\_1RB#0\_1000~3000\_1000~3000

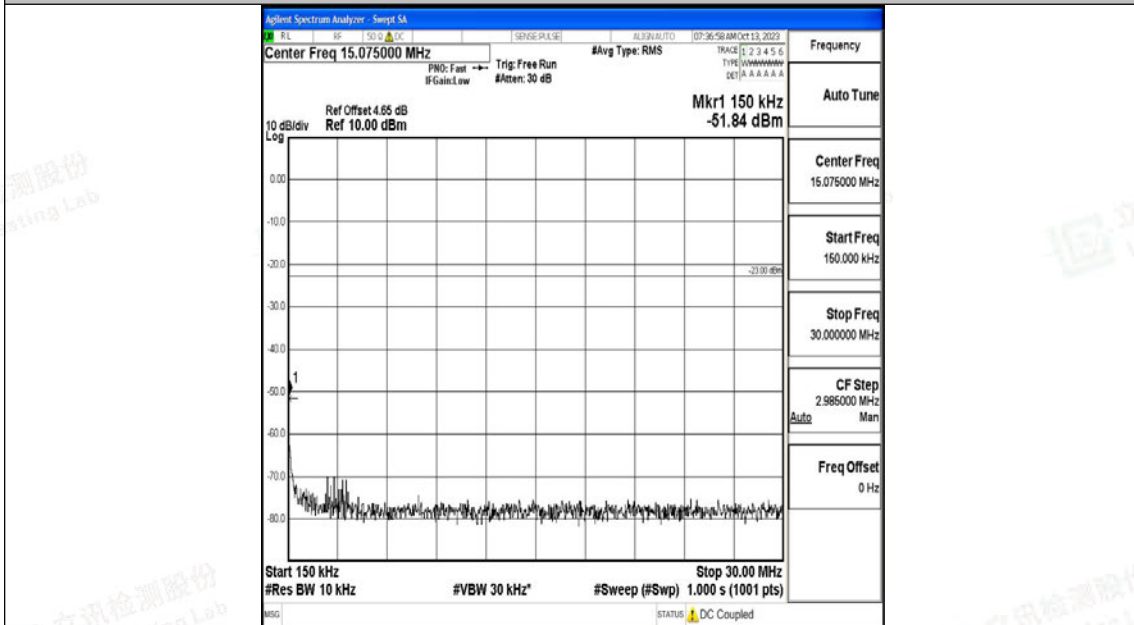


Band12\_1.4MHz\_16QAM\_23017\_1RB#0\_3000~10000\_3000~10000



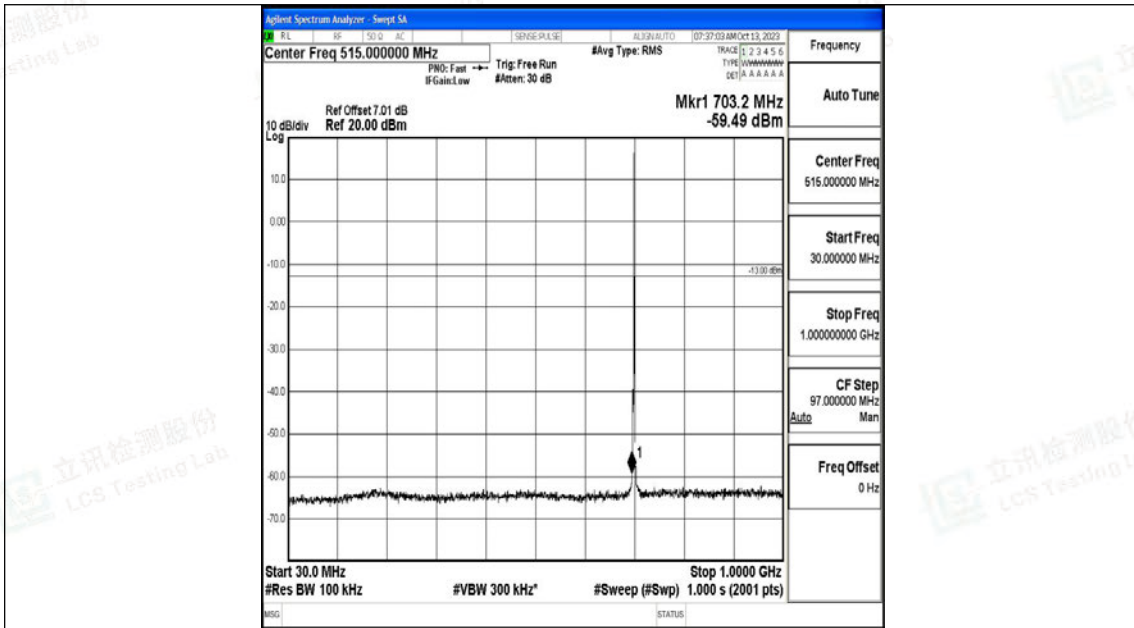


Band12\_1.4MHz\_QPSK\_23095\_1RB#0\_0.009~0.15\_0.009~0.15

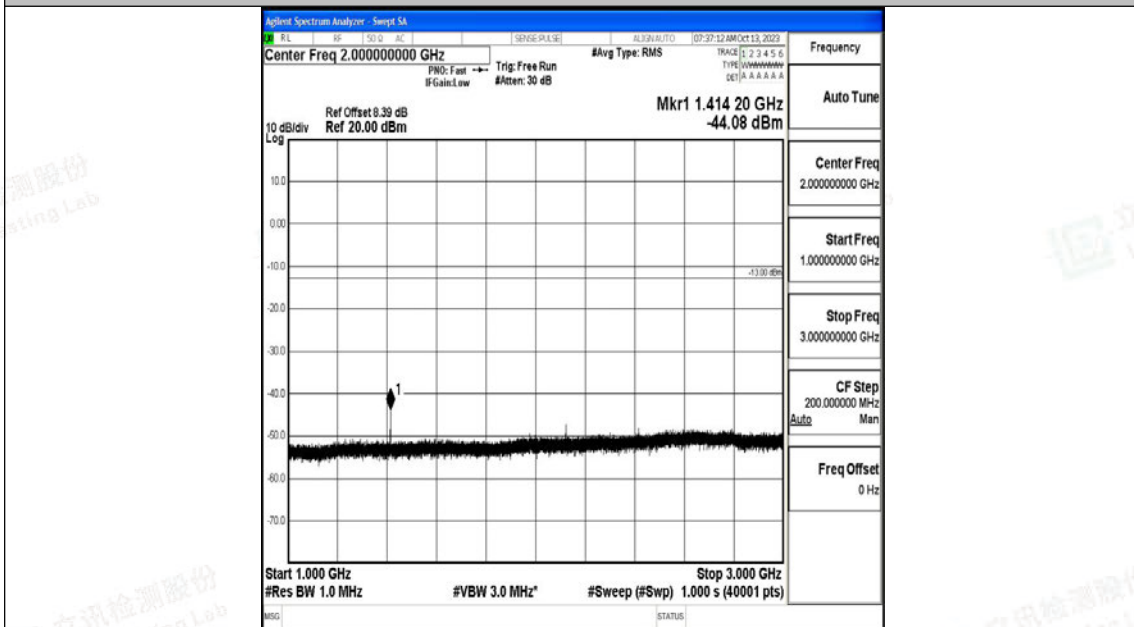


Band12\_1.4MHz\_QPSK\_23095\_1RB#0\_0.15~30\_0.15~30



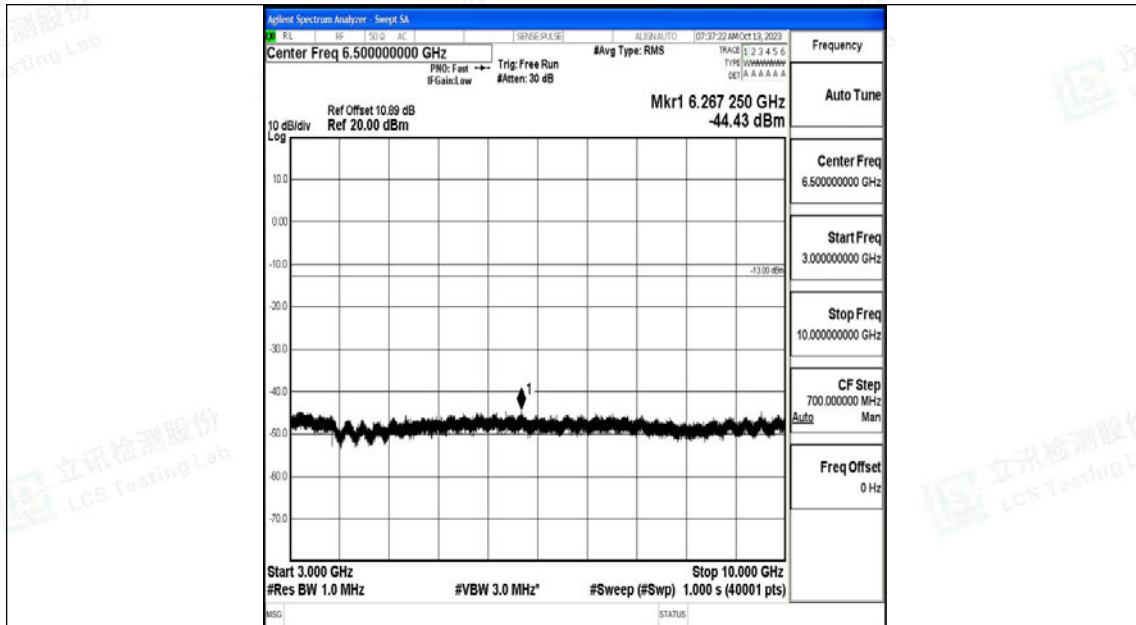


Band12\_1.4MHz\_QPSK\_23095\_1RB#0\_30~1000\_30~1000

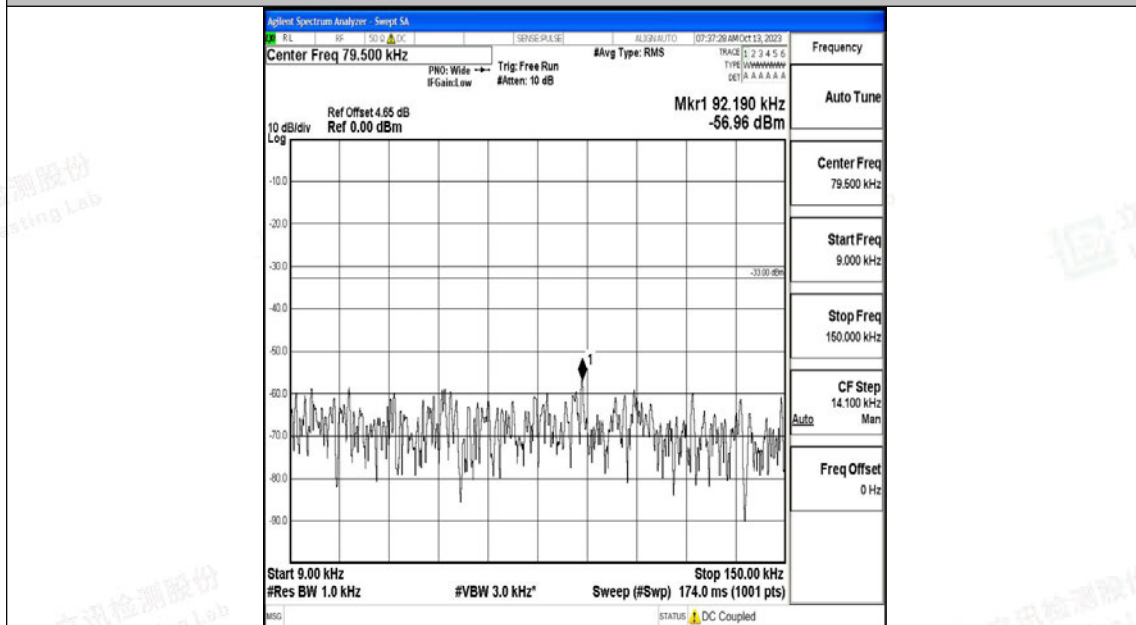


Band12\_1.4MHz\_QPSK\_23095\_1RB#0\_1000~3000\_1000~3000



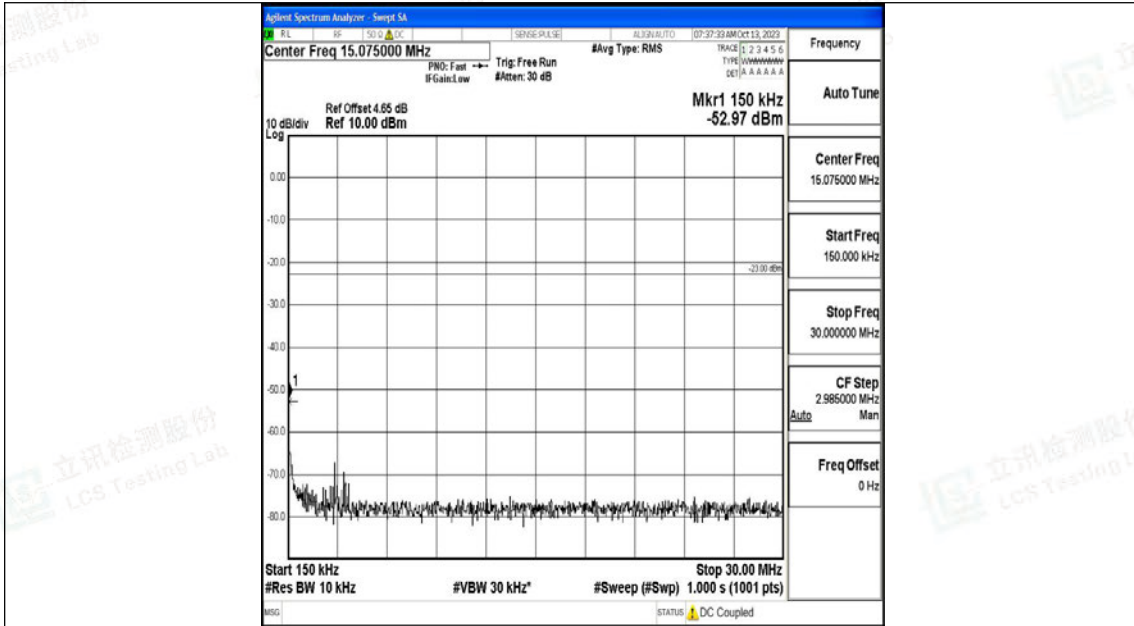


Band12\_1.4MHz\_QPSK\_23095\_1RB#0\_3000~10000\_3000~10000

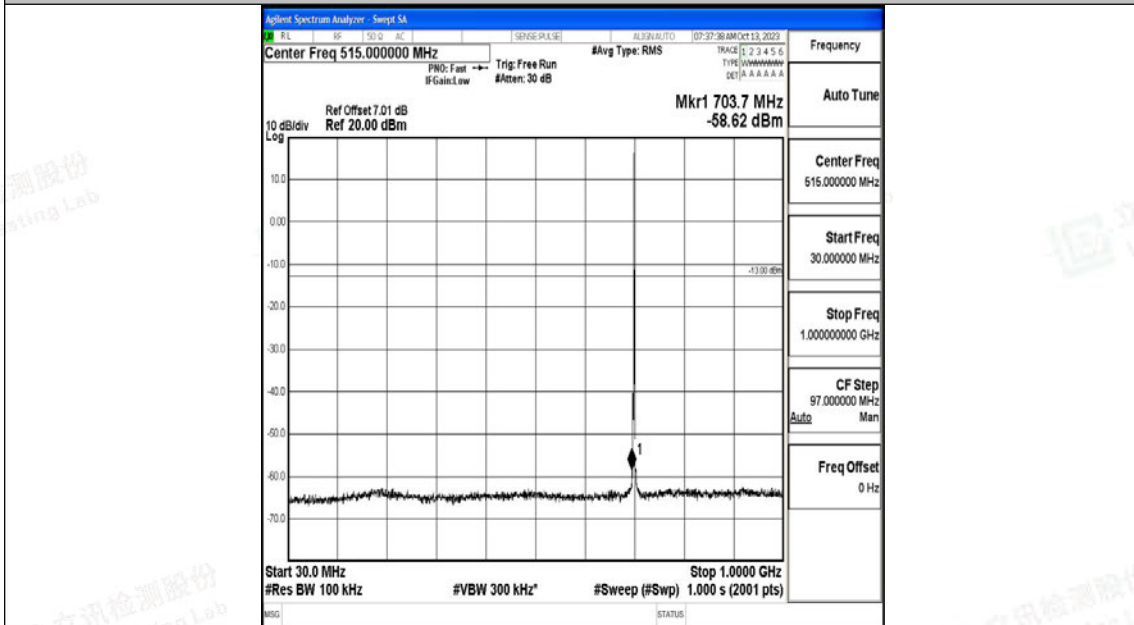


Band12\_1.4MHz\_16QAM\_23095\_1RB#0\_0.009~0.15\_0.009~0.15



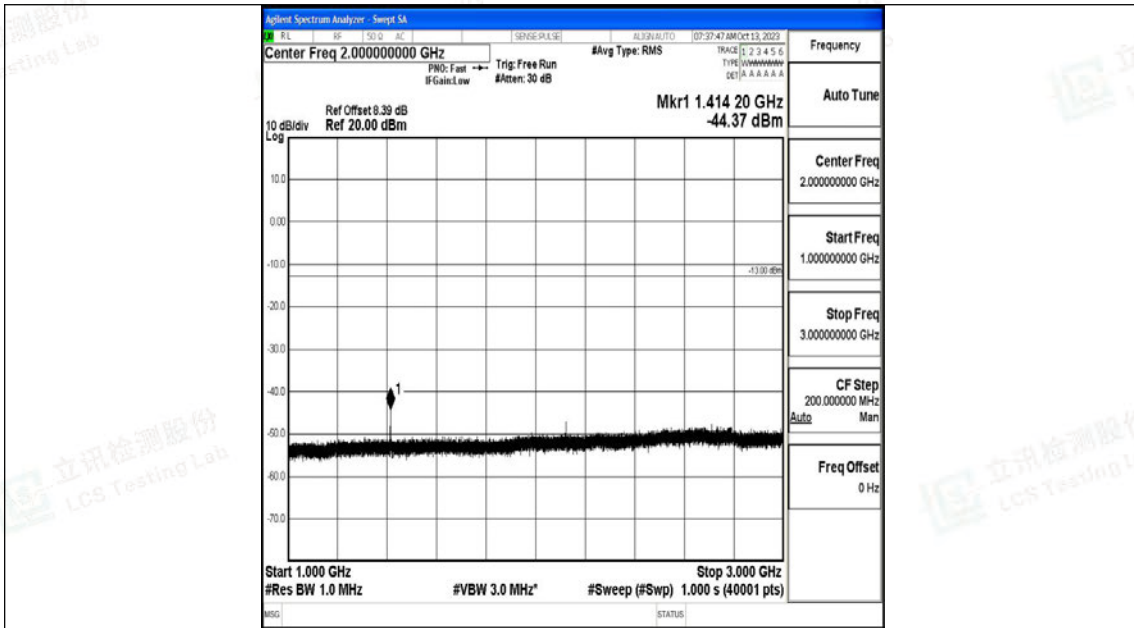


Band12\_1.4MHz\_16QAM\_23095\_1RB#0\_0.15~30\_0.15~30

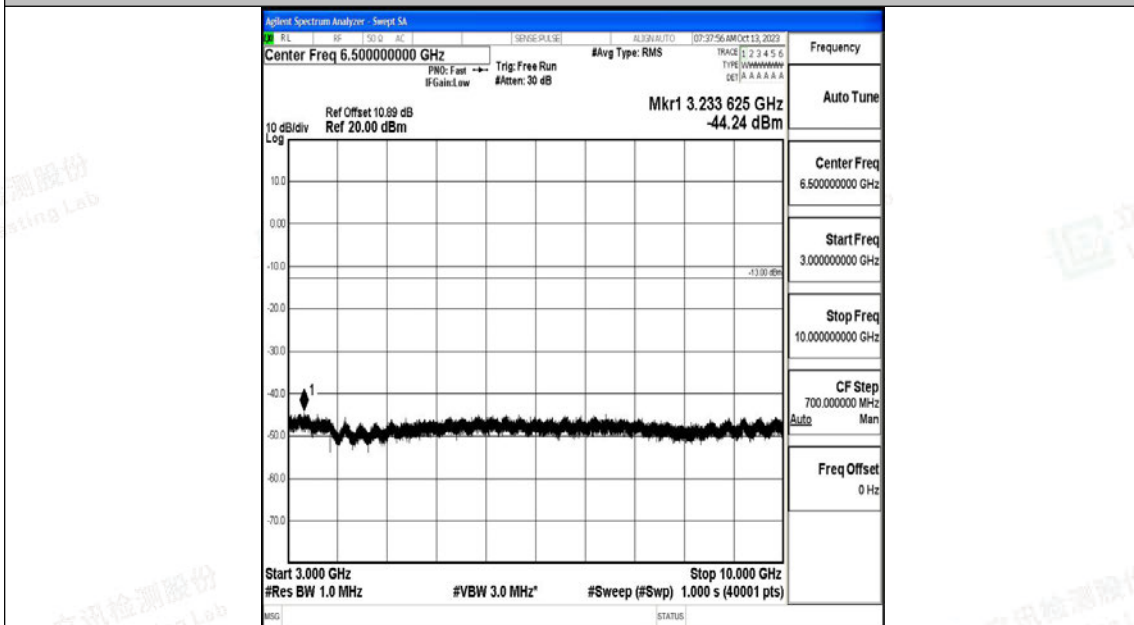


Band12\_1.4MHz\_16QAM\_23095\_1RB#0\_30~1000\_30~1000



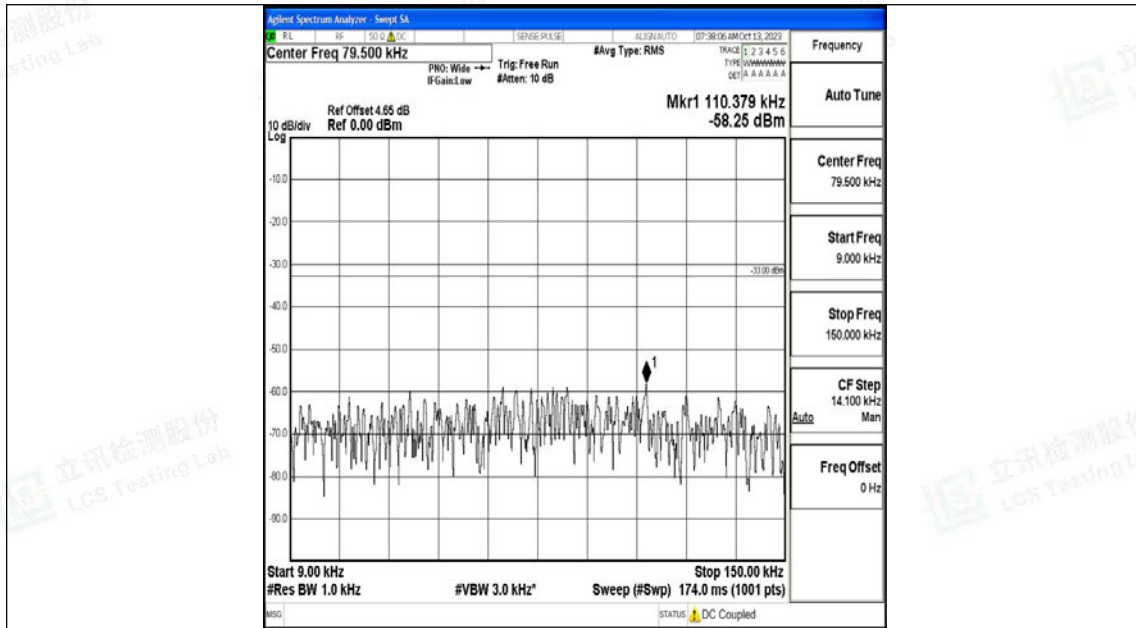


Band12\_1.4MHz\_16QAM\_23095\_1RB#0\_1000~3000\_1000~3000

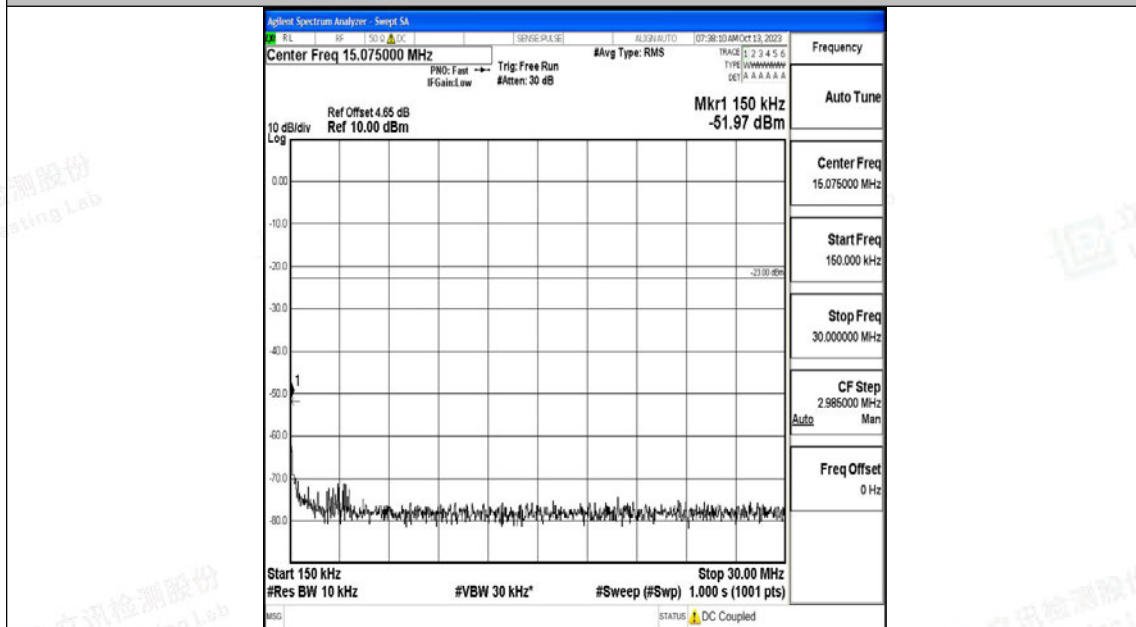


Band12\_1.4MHz\_16QAM\_23095\_1RB#0\_3000~10000\_3000~10000





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

