



Appendix J: Test Data for E-UTRA Band 12

Product Name: Smartphone

Test Model: Smooth 5

Environmental Conditions

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





J.1 Conducted Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	21.82	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	21.02	PASS
Band12	1.4MHz	QPSK	23017	1RB#2	21.82	PASS
Band12	1.4MHz	16QAM	23017	1RB#2	21.10	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	21.74	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	20.95	PASS
Band12	1.4MHz	QPSK	23017	3RB#0	21.75	PASS
Band12	1.4MHz	16QAM	23017	3RB#0	20.78	PASS
Band12	1.4MHz	QPSK	23017	3RB#1	21.74	PASS
Band12	1.4MHz	16QAM	23017	3RB#1	20.78	PASS
Band12	1.4MHz	QPSK	23017	3RB#3	21.76	PASS
Band12	1.4MHz	16QAM	23017	3RB#3	20.77	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	20.83	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	19.71	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	21.77	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	20.72	PASS
Band12	1.4MHz	QPSK	23095	1RB#2	21.95	PASS
Band12	1.4MHz	16QAM	23095	1RB#2	20.94	PASS
Band12	1.4MHz	QPSK	23095	1RB#5	21.85	PASS
Band12	1.4MHz	16QAM	23095	1RB#5	20.76	PASS
Band12	1.4MHz	QPSK	23095	3RB#0	21.83	PASS
Band12	1.4MHz	16QAM	23095	3RB#0	20.78	PASS
Band12	1.4MHz	QPSK	23095	3RB#1	21.85	PASS
Band12	1.4MHz	16QAM	23095	3RB#1	20.78	PASS
Band12	1.4MHz	QPSK	23095	3RB#3	21.87	PASS
Band12	1.4MHz	16QAM	23095	3RB#3	20.77	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	20.90	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	19.89	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	22.00	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	21.22	PASS
Band12	1.4MHz	QPSK	23173	1RB#2	22.20	PASS
Band12	1.4MHz	16QAM	23173	1RB#2	21.40	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	22.02	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	21.28	PASS
Band12	1.4MHz	QPSK	23173	3RB#0	22.09	PASS
Band12	1.4MHz	16QAM	23173	3RB#0	21.08	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	22.07	PASS
Band12	1.4MHz	16QAM	23173	3RB#1	21.08	PASS
Band12	1.4MHz	QPSK	23173	3RB#3	22.08	PASS
Band12	1.4MHz	16QAM	23173	3RB#3	21.01	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	21.21	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	20.18	PASS
Band12	3MHz	QPSK	23025	1RB#0	21.73	PASS
Band12	3MHz	16QAM	23025	1RB#0	21.01	PASS
Band12	3MHz	QPSK	23025	1RB#8	21.71	PASS
Band12	3MHz	16QAM	23025	1RB#8	20.90	PASS
Band12	3MHz	QPSK	23025	1RB#14	21.63	PASS
Band12	3MHz	16QAM	23025	1RB#14	20.86	PASS
Band12	3MHz	QPSK	23025	8RB#0	20.74	PASS
Band12	3MHz	16QAM	23025	8RB#0	19.81	PASS
Band12	3MHz	QPSK	23025	8RB#4	20.70	PASS
Band12	3MHz	16QAM	23025	8RB#4	19.79	PASS
Band12	3MHz	QPSK	23025	8RB#7	20.79	PASS
Band12	3MHz	16QAM	23025	8RB#7	19.80	PASS
Band12	3MHz	QPSK	23025	15RB#0	20.76	PASS
Band12	3MHz	16QAM	23025	15RB#0	19.73	PASS
Band12	3MHz	QPSK	23095	1RB#0	21.77	PASS
Band12	3MHz	16QAM	23095	1RB#0	21.06	PASS
Band12	3MHz	QPSK	23095	1RB#8	21.84	PASS
Band12	3MHz	16QAM	23095	1RB#8	21.06	PASS
Band12	3MHz	QPSK	23095	1RB#14	21.82	PASS
Band12	3MHz	16QAM	23095	1RB#14	21.04	PASS
Band12	3MHz	QPSK	23095	8RB#0	20.90	PASS
Band12	3MHz	16QAM	23095	8RB#0	19.85	PASS
Band12	3MHz	QPSK	23095	8RB#4	20.88	PASS
Band12	3MHz	16QAM	23095	8RB#4	19.84	PASS
Band12	3MHz	QPSK	23095	8RB#7	20.90	PASS
Band12	3MHz	16QAM	23095	8RB#7	19.86	PASS
Band12	3MHz	QPSK	23095	15RB#0	20.86	PASS
Band12	3MHz	16QAM	23095	15RB#0	19.75	PASS
Band12	3MHz	QPSK	23165	1RB#0	22.01	PASS
Band12	3MHz	16QAM	23165	1RB#0	20.97	PASS
Band12	3MHz	QPSK	23165	1RB#8	22.04	PASS
Band12	3MHz	16QAM	23165	1RB#8	21.05	PASS
Band12	3MHz	QPSK	23165	1RB#14	22.13	PASS
Band12	3MHz	16QAM	23165	1RB#14	21.10	PASS





Band12	3MHz	QPSK	23165	8RB#0	21.16	PASS
Band12	3MHz	16QAM	23165	8RB#0	20.12	PASS
Band12	3MHz	QPSK	23165	8RB#4	21.15	PASS
Band12	3MHz	16QAM	23165	8RB#4	20.13	PASS
Band12	3MHz	QPSK	23165	8RB#7	21.15	PASS
Band12	3MHz	16QAM	23165	8RB#7	20.09	PASS
Band12	3MHz	QPSK	23165	15RB#0	21.09	PASS
Band12	3MHz	16QAM	23165	15RB#0	19.97	PASS
Band12	5MHz	QPSK	23035	1RB#0	21.77	PASS
Band12	5MHz	16QAM	23035	1RB#0	20.77	PASS
Band12	5MHz	QPSK	23035	1RB#12	21.70	PASS
Band12	5MHz	16QAM	23035	1RB#12	20.82	PASS
Band12	5MHz	QPSK	23035	1RB#24	21.63	PASS
Band12	5MHz	16QAM	23035	1RB#24	20.75	PASS
Band12	5MHz	QPSK	23035	12RB#0	20.71	PASS
Band12	5MHz	16QAM	23035	12RB#0	19.64	PASS
Band12	5MHz	QPSK	23035	12RB#6	20.66	PASS
Band12	5MHz	16QAM	23035	12RB#6	19.63	PASS
Band12	5MHz	QPSK	23035	12RB#13	20.73	PASS
Band12	5MHz	16QAM	23035	12RB#13	19.73	PASS
Band12	5MHz	QPSK	23035	25RB#0	20.77	PASS
Band12	5MHz	16QAM	23035	25RB#0	19.72	PASS
Band12	5MHz	QPSK	23095	1RB#0	21.76	PASS
Band12	5MHz	16QAM	23095	1RB#0	20.98	PASS
Band12	5MHz	QPSK	23095	1RB#12	21.93	PASS
Band12	5MHz	16QAM	23095	1RB#12	21.19	PASS
Band12	5MHz	QPSK	23095	1RB#24	21.85	PASS
Band12	5MHz	16QAM	23095	1RB#24	21.16	PASS
Band12	5MHz	QPSK	23095	12RB#0	20.88	PASS
Band12	5MHz	16QAM	23095	12RB#0	19.96	PASS
Band12	5MHz	QPSK	23095	12RB#6	20.86	PASS
Band12	5MHz	16QAM	23095	12RB#6	19.93	PASS
Band12	5MHz	QPSK	23095	12RB#13	20.92	PASS
Band12	5MHz	16QAM	23095	12RB#13	19.94	PASS
Band12	5MHz	QPSK	23095	25RB#0	20.91	PASS
Band12	5MHz	16QAM	23095	25RB#0	19.85	PASS
Band12	5MHz	QPSK	23155	1RB#0	21.98	PASS
Band12	5MHz	16QAM	23155	1RB#0	21.01	PASS
Band12	5MHz	QPSK	23155	1RB#12	22.12	PASS
Band12	5MHz	16QAM	23155	1RB#12	21.14	PASS





Band12	5MHz	QPSK	23155	1RB#24	22.14	PASS
Band12	5MHz	16QAM	23155	1RB#24	21.19	PASS
Band12	5MHz	QPSK	23155	12RB#0	21.02	PASS
Band12	5MHz	16QAM	23155	12RB#0	20.08	PASS
Band12	5MHz	QPSK	23155	12RB#6	20.98	PASS
Band12	5MHz	16QAM	23155	12RB#6	20.01	PASS
Band12	5MHz	QPSK	23155	12RB#13	20.89	PASS
Band12	5MHz	16QAM	23155	12RB#13	19.94	PASS
Band12	5MHz	QPSK	23155	25RB#0	21.04	PASS
Band12	5MHz	16QAM	23155	25RB#0	19.98	PASS
Band12	10MHz	QPSK	23060	1RB#0	21.67	PASS
Band12	10MHz	16QAM	23060	1RB#0	20.97	PASS
Band12	10MHz	QPSK	23060	1RB#24	21.81	PASS
Band12	10MHz	16QAM	23060	1RB#24	21.08	PASS
Band12	10MHz	QPSK	23060	1RB#49	21.75	PASS
Band12	10MHz	16QAM	23060	1RB#49	21.12	PASS
Band12	10MHz	QPSK	23060	25RB#0	20.79	PASS
Band12	10MHz	16QAM	23060	25RB#0	19.76	PASS
Band12	10MHz	QPSK	23060	25RB#12	20.82	PASS
Band12	10MHz	16QAM	23060	25RB#12	19.78	PASS
Band12	10MHz	QPSK	23060	25RB#25	20.83	PASS
Band12	10MHz	16QAM	23060	25RB#25	19.73	PASS
Band12	10MHz	QPSK	23060	50RB#0	20.79	PASS
Band12	10MHz	16QAM	23060	50RB#0	19.81	PASS
Band12	10MHz	QPSK	23095	1RB#0	21.72	PASS
Band12	10MHz	16QAM	23095	1RB#0	21.00	PASS
Band12	10MHz	QPSK	23095	1RB#24	21.91	PASS
Band12	10MHz	16QAM	23095	1RB#24	21.18	PASS
Band12	10MHz	QPSK	23095	1RB#49	21.95	PASS
Band12	10MHz	16QAM	23095	1RB#49	21.16	PASS
Band12	10MHz	QPSK	23095	25RB#0	21.07	PASS
Band12	10MHz	16QAM	23095	25RB#0	20.04	PASS
Band12	10MHz	QPSK	23095	25RB#12	21.01	PASS
Band12	10MHz	16QAM	23095	25RB#12	20.09	PASS
Band12	10MHz	QPSK	23095	25RB#25	21.12	PASS
Band12	10MHz	16QAM	23095	25RB#25	20.11	PASS
Band12	10MHz	QPSK	23095	50RB#0	21.09	PASS
Band12	10MHz	16QAM	23095	50RB#0	20.09	PASS
Band12	10MHz	QPSK	23130	1RB#0	21.83	PASS
Band12	10MHz	16QAM	23130	1RB#0	20.78	PASS





Band12	10MHz	QPSK	23130	1RB#24	22.06	PASS
Band12	10MHz	16QAM	23130	1RB#24	21.14	PASS
Band12	10MHz	QPSK	23130	1RB#49	22.11	PASS
Band12	10MHz	16QAM	23130	1RB#49	21.08	PASS
Band12	10MHz	QPSK	23130	25RB#0	21.03	PASS
Band12	10MHz	16QAM	23130	25RB#0	20.03	PASS
Band12	10MHz	QPSK	23130	25RB#12	21.04	PASS
Band12	10MHz	16QAM	23130	25RB#12	20.06	PASS
Band12	10MHz	QPSK	23130	25RB#25	21.01	PASS
Band12	10MHz	16QAM	23130	25RB#25	19.95	PASS
Band12	10MHz	QPSK	23130	50RB#0	20.99	PASS
Band12	10MHz	16QAM	23130	50RB#0	19.92	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
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J.2 Peak-to-Average Ratio(CCDF)

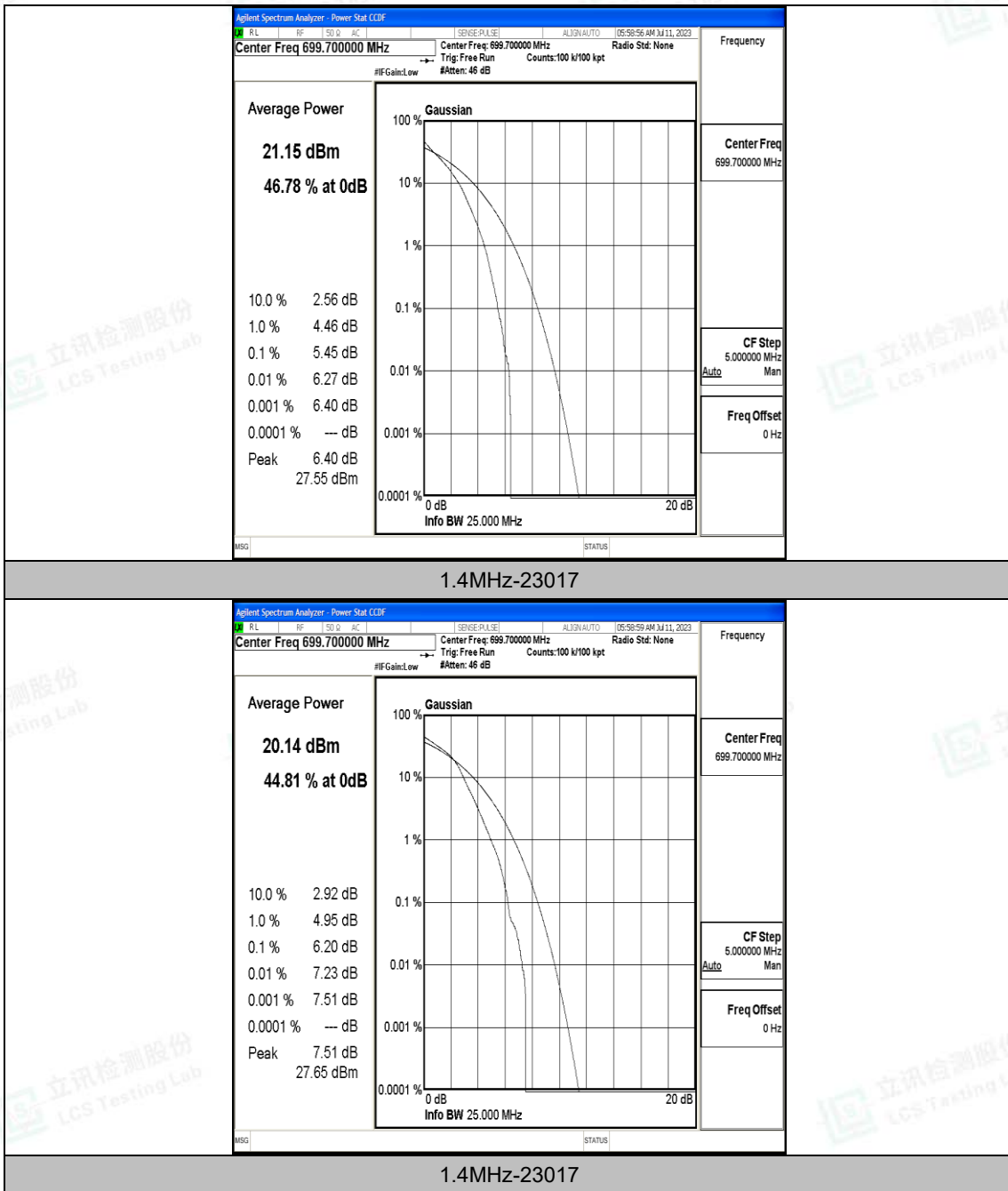
Test Result

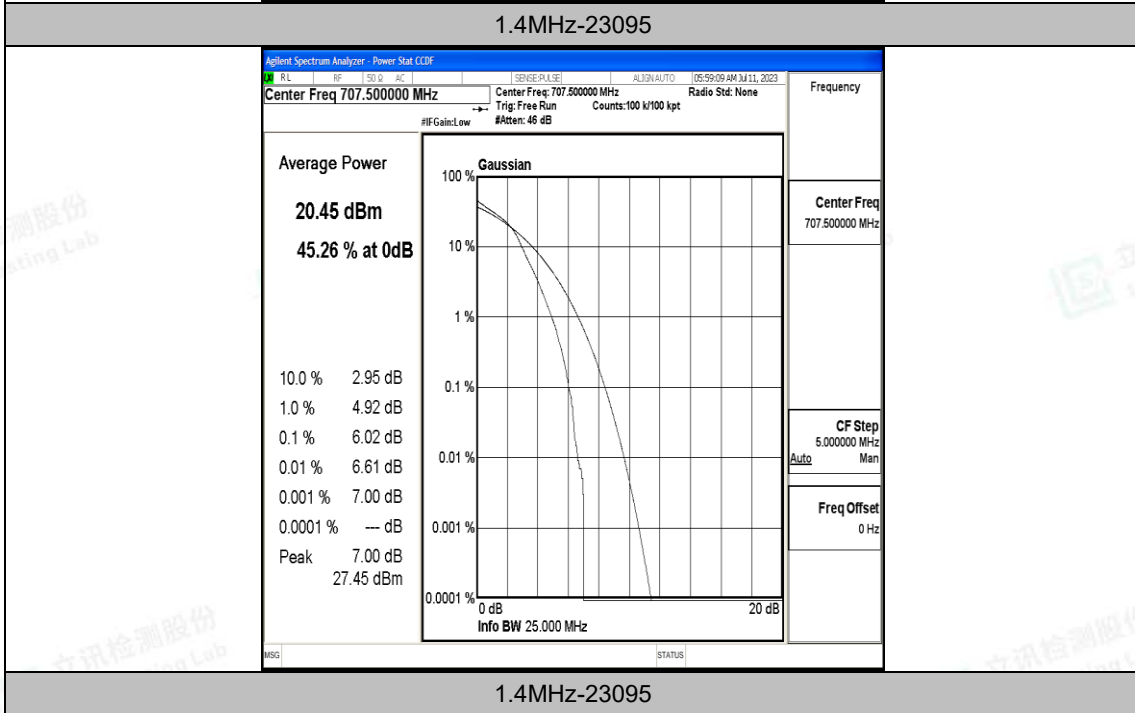
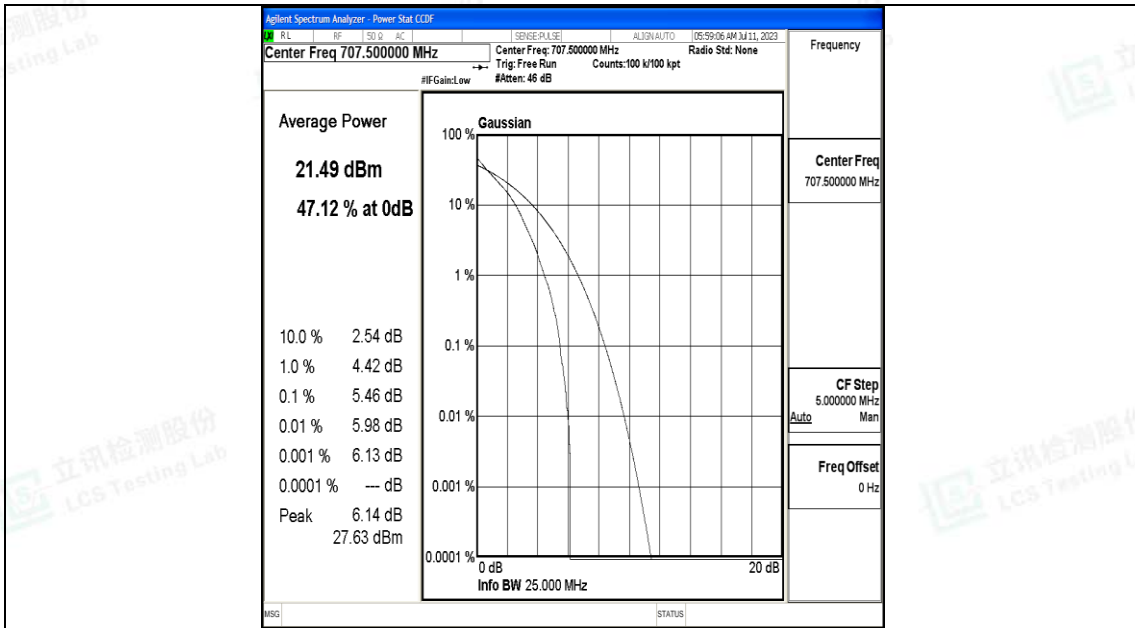
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	5.45	13	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	6.20	13	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	5.46	13	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	6.02	13	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	5.01	13	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	5.99	13	PASS
Band12	3MHz	QPSK	23025	15RB#0	5.52	13	PASS
Band12	3MHz	16QAM	23025	15RB#0	6.14	13	PASS
Band12	3MHz	QPSK	23095	15RB#0	5.63	13	PASS
Band12	3MHz	16QAM	23095	15RB#0	6.21	13	PASS
Band12	3MHz	QPSK	23165	15RB#0	5.09	13	PASS
Band12	3MHz	16QAM	23165	15RB#0	5.87	13	PASS
Band12	5MHz	QPSK	23035	25RB#0	5.30	13	PASS
Band12	5MHz	16QAM	23035	25RB#0	6.03	13	PASS
Band12	5MHz	QPSK	23095	25RB#0	5.61	13	PASS
Band12	5MHz	16QAM	23095	25RB#0	6.23	13	PASS
Band12	5MHz	QPSK	23155	25RB#0	5.25	13	PASS
Band12	5MHz	16QAM	23155	25RB#0	6.05	13	PASS
Band12	10MHz	QPSK	23060	50RB#0	5.49	13	PASS
Band12	10MHz	16QAM	23060	50RB#0	6.24	13	PASS
Band12	10MHz	QPSK	23095	50RB#0	5.45	13	PASS
Band12	10MHz	16QAM	23095	50RB#0	6.24	13	PASS
Band12	10MHz	QPSK	23130	50RB#0	5.45	13	PASS
Band12	10MHz	16QAM	23130	50RB#0	6.26	13	PASS

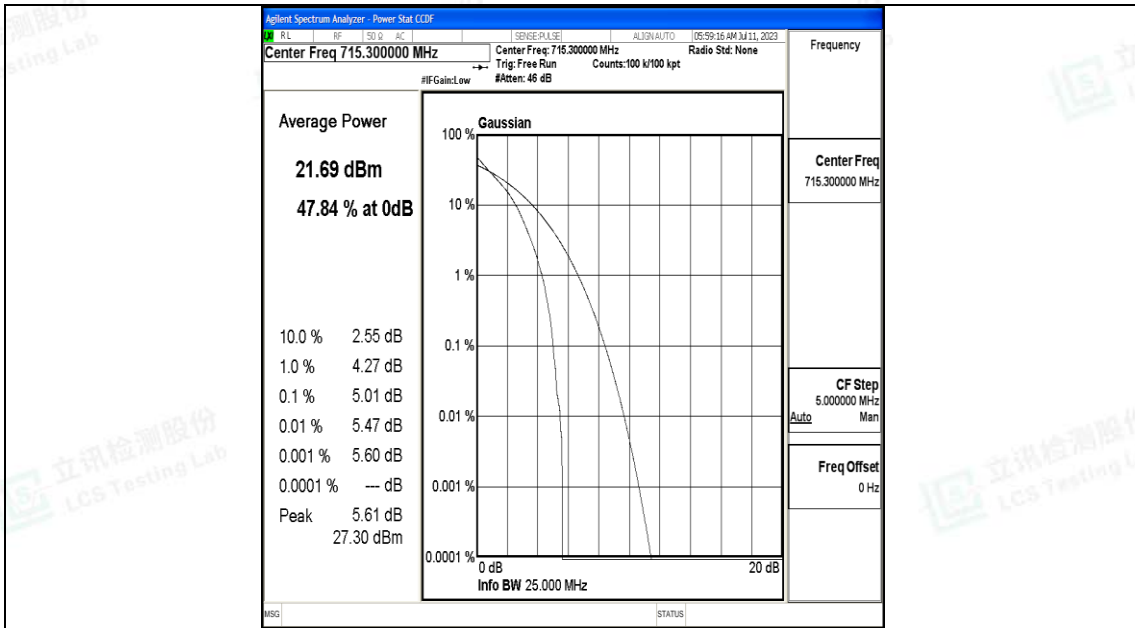




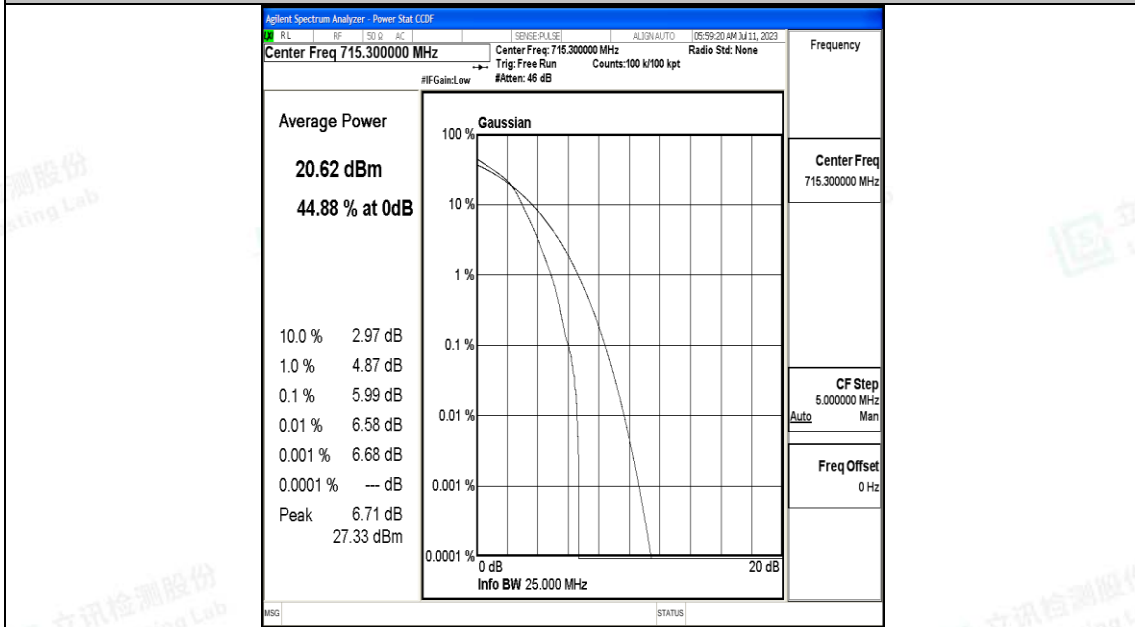
Test Graphs





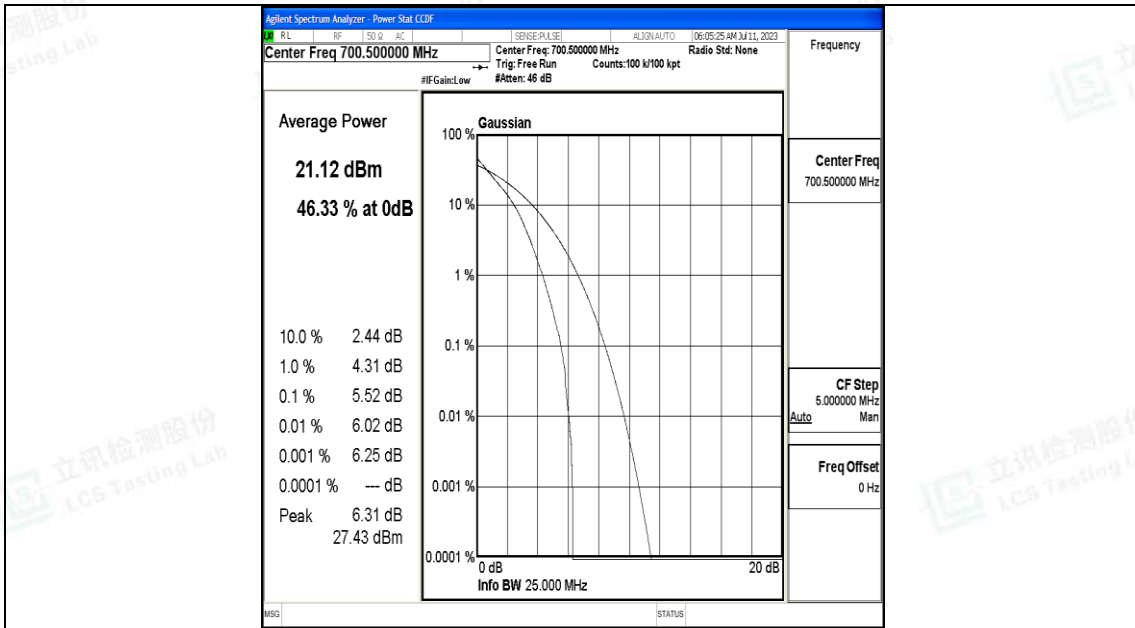


1.4MHz-23173

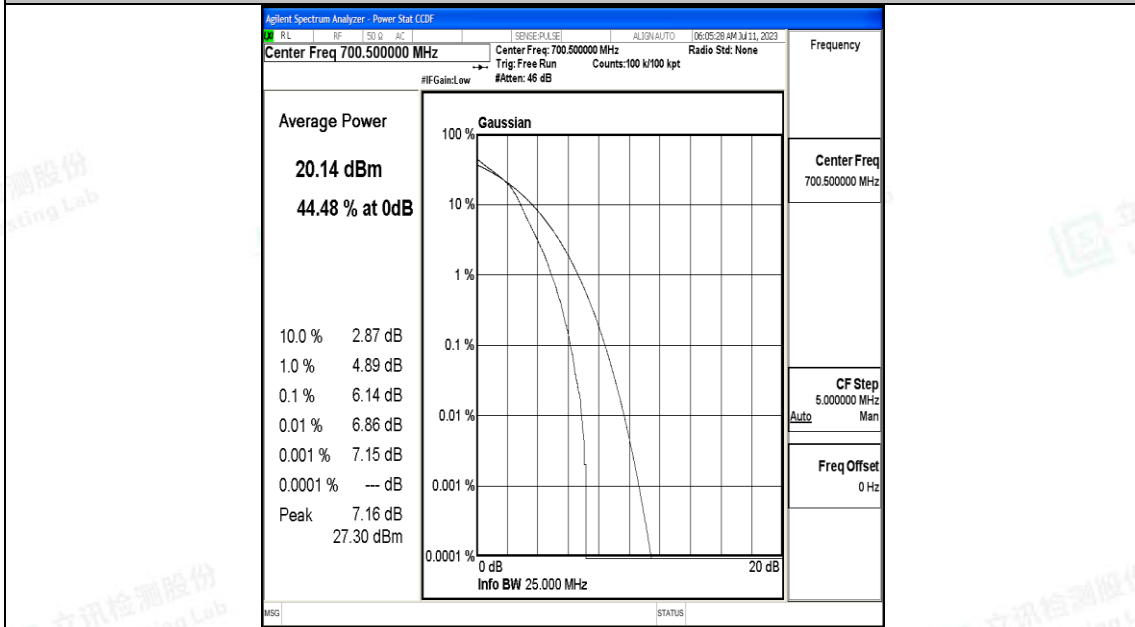


1.4MHz-23173



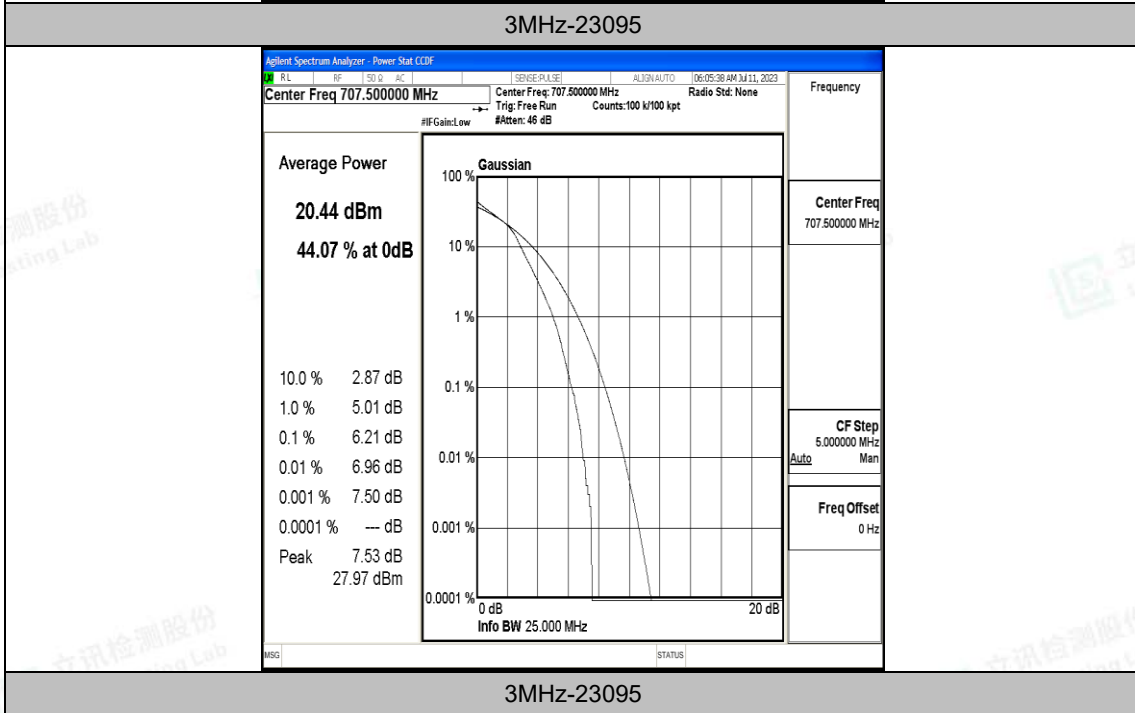
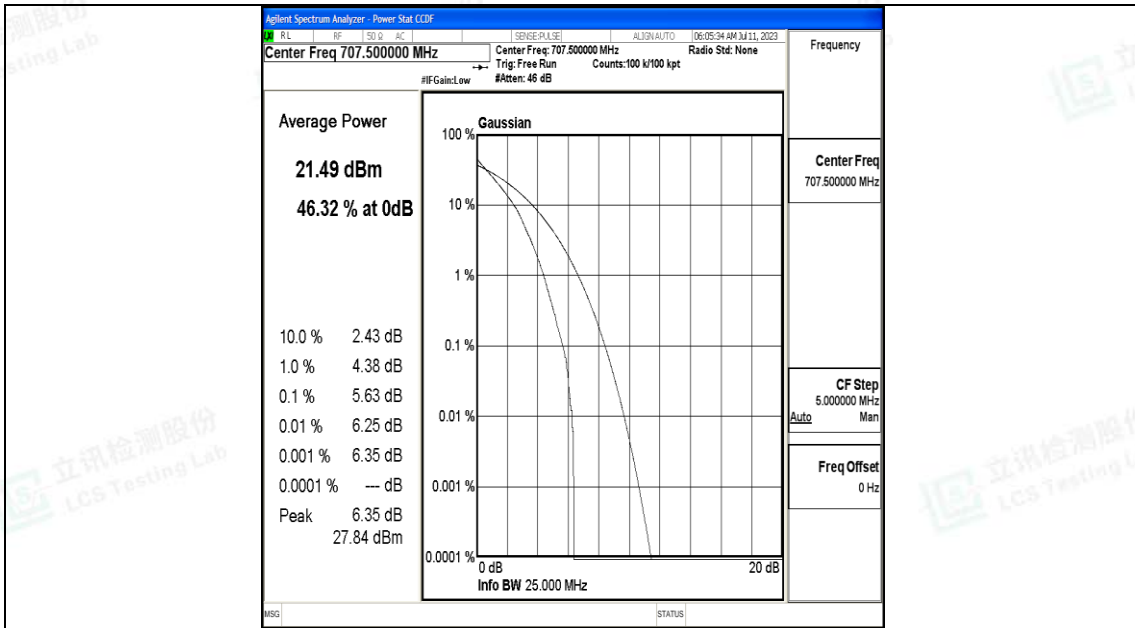


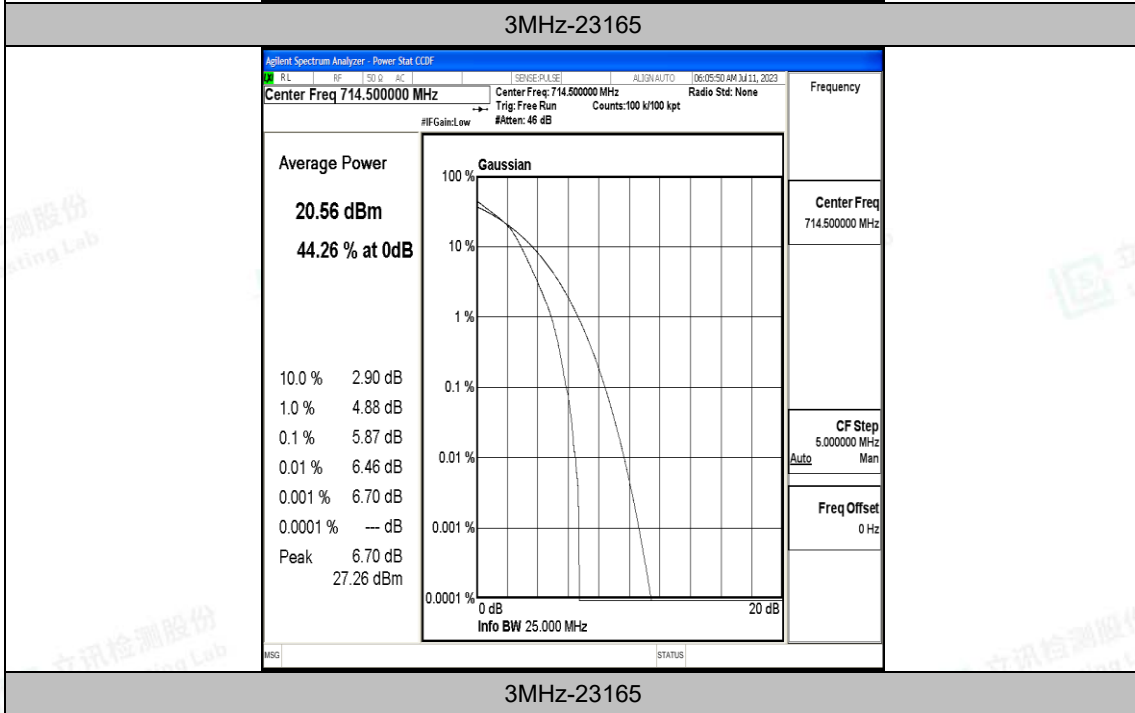
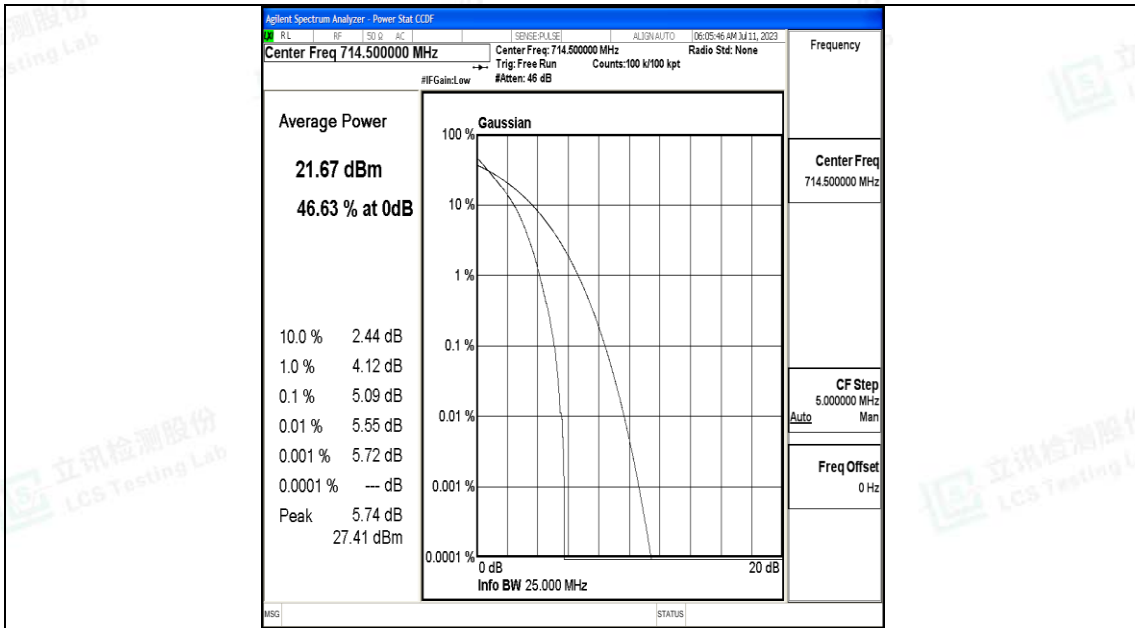
3MHz-23025

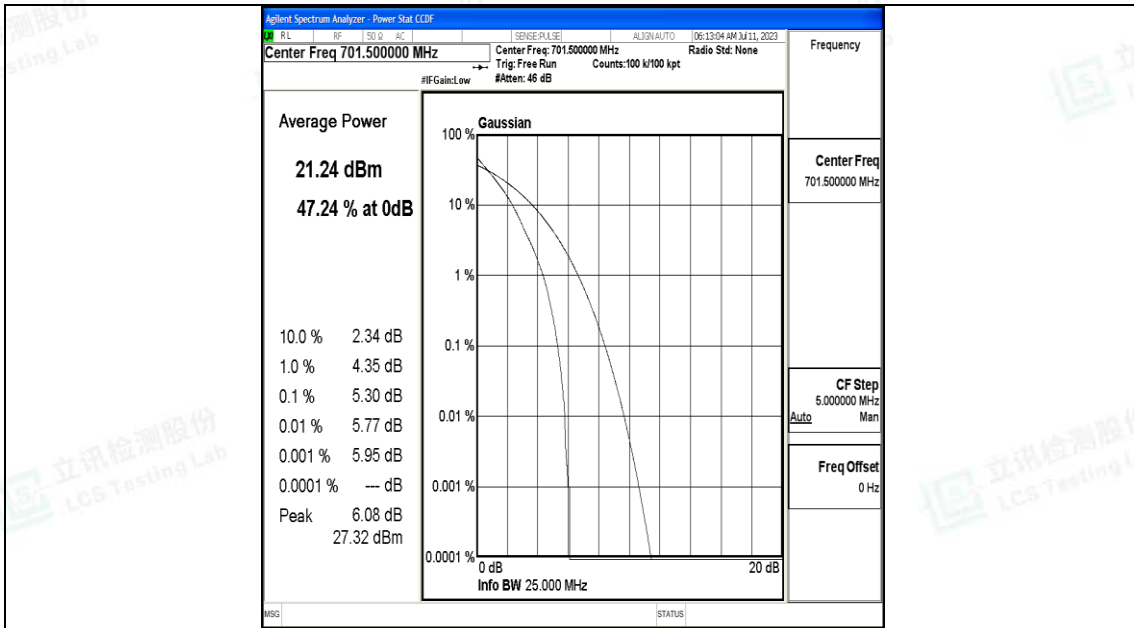


3MHz-23025

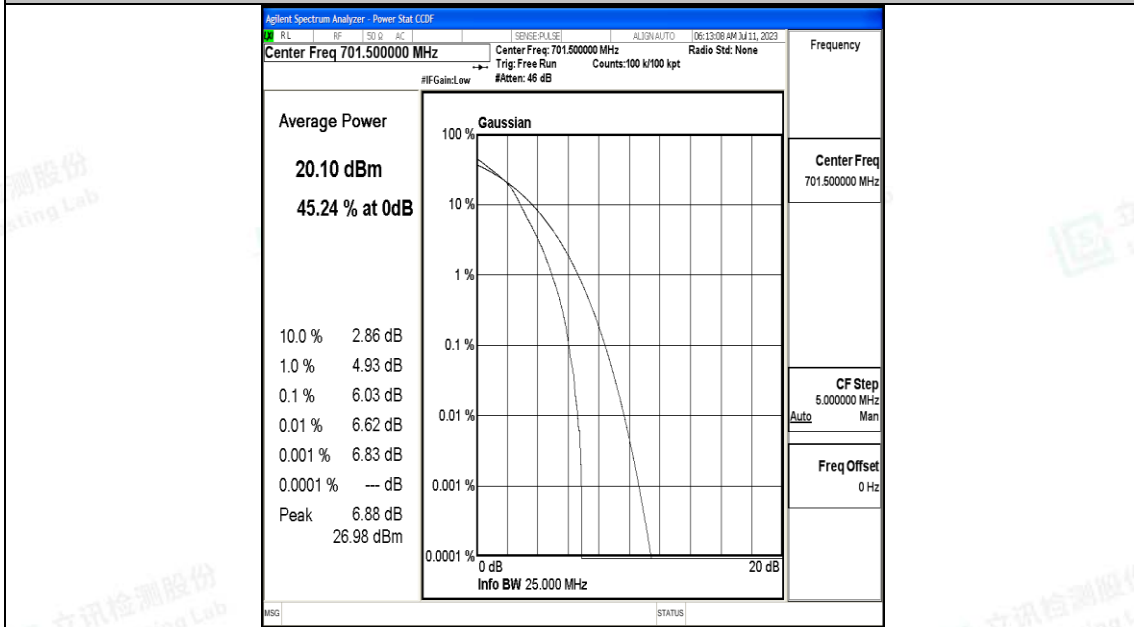






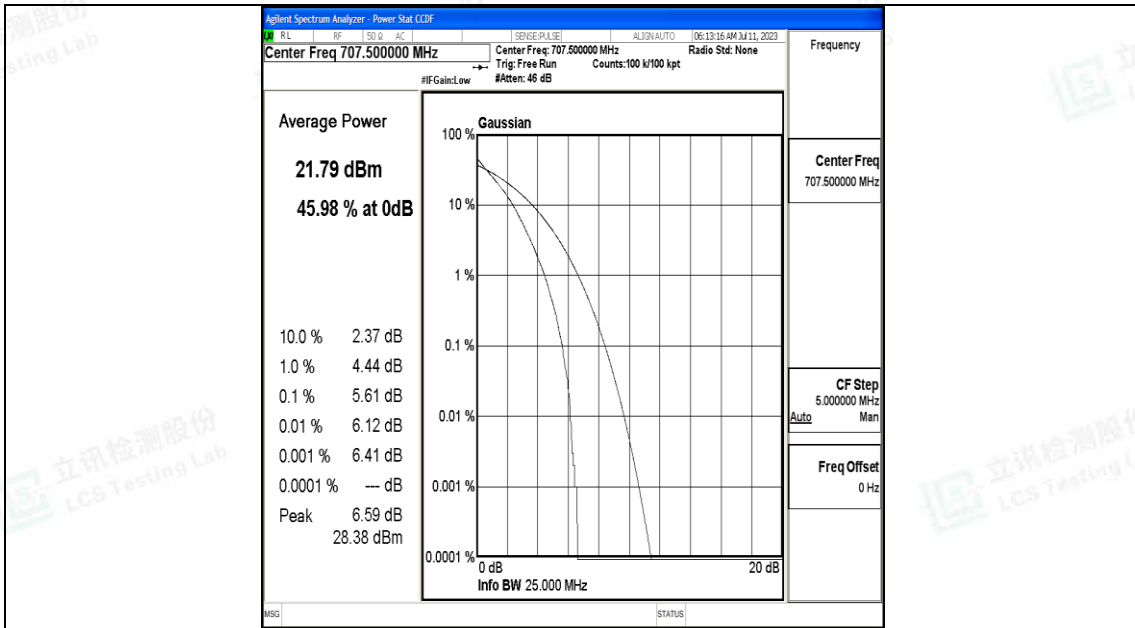


5MHz-23035

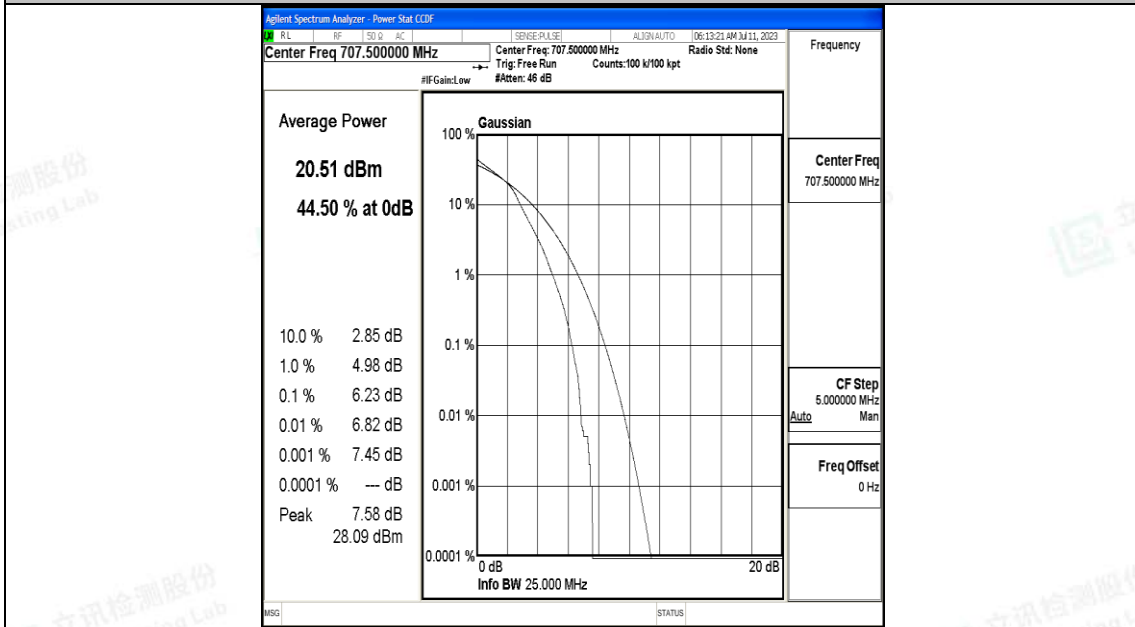


5MHz-23035



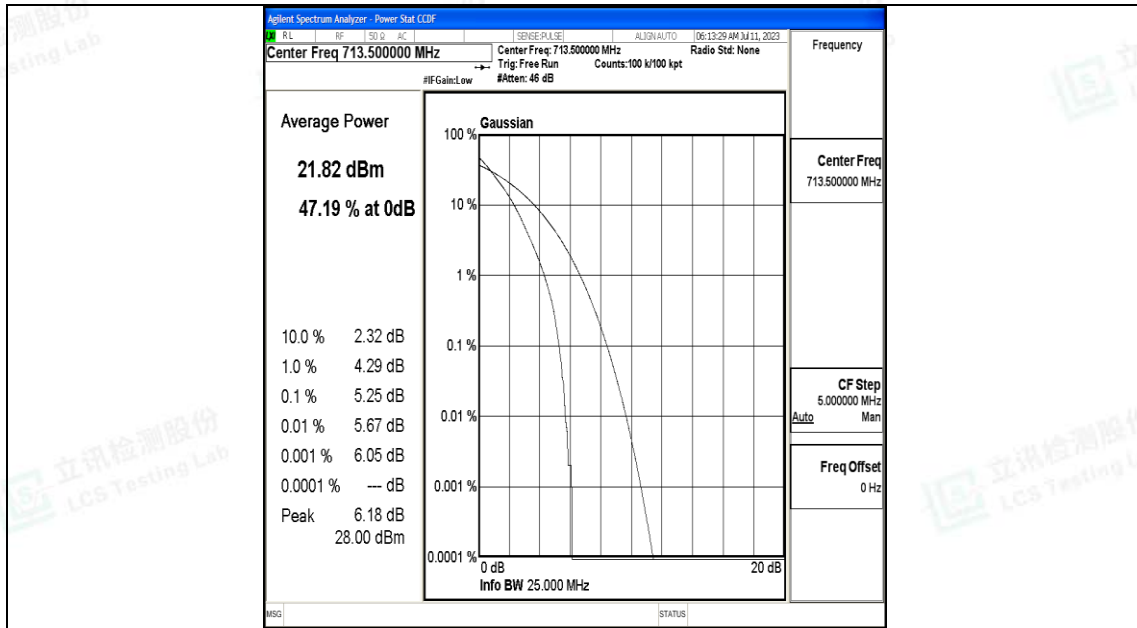


5MHz-23095

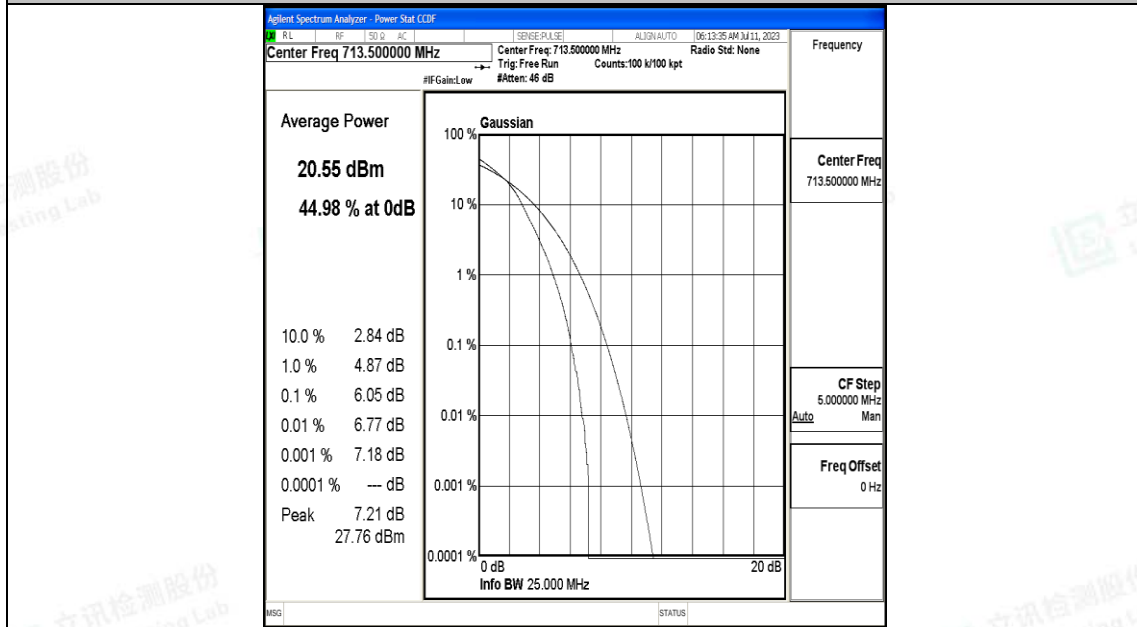


5MHz-23095



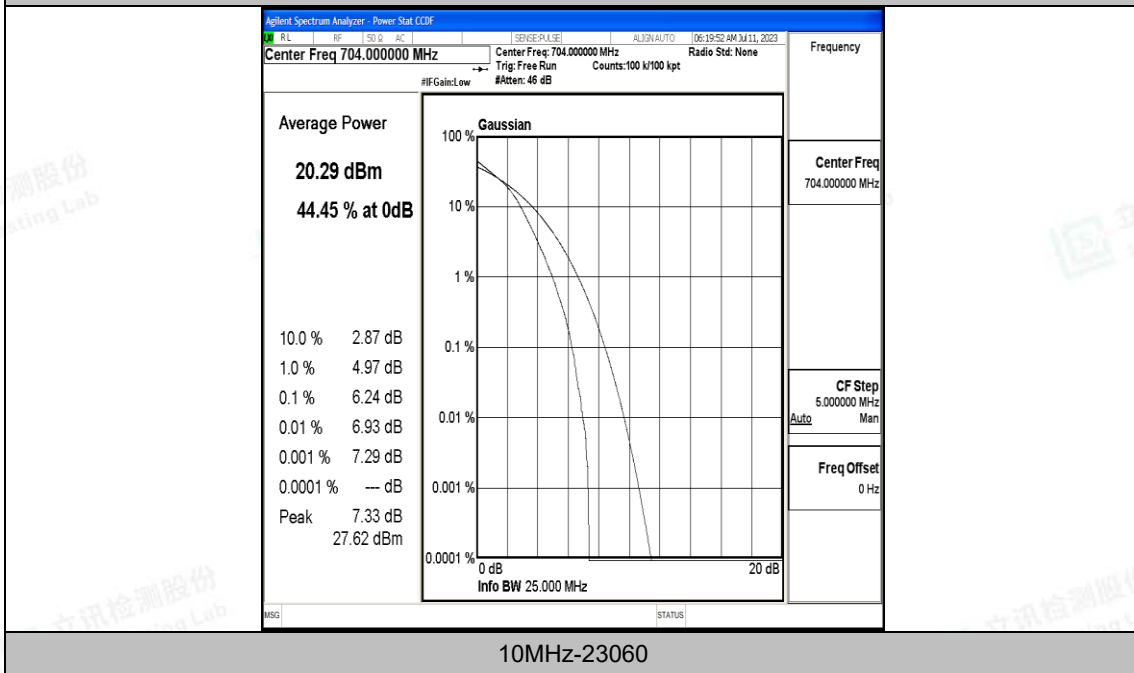
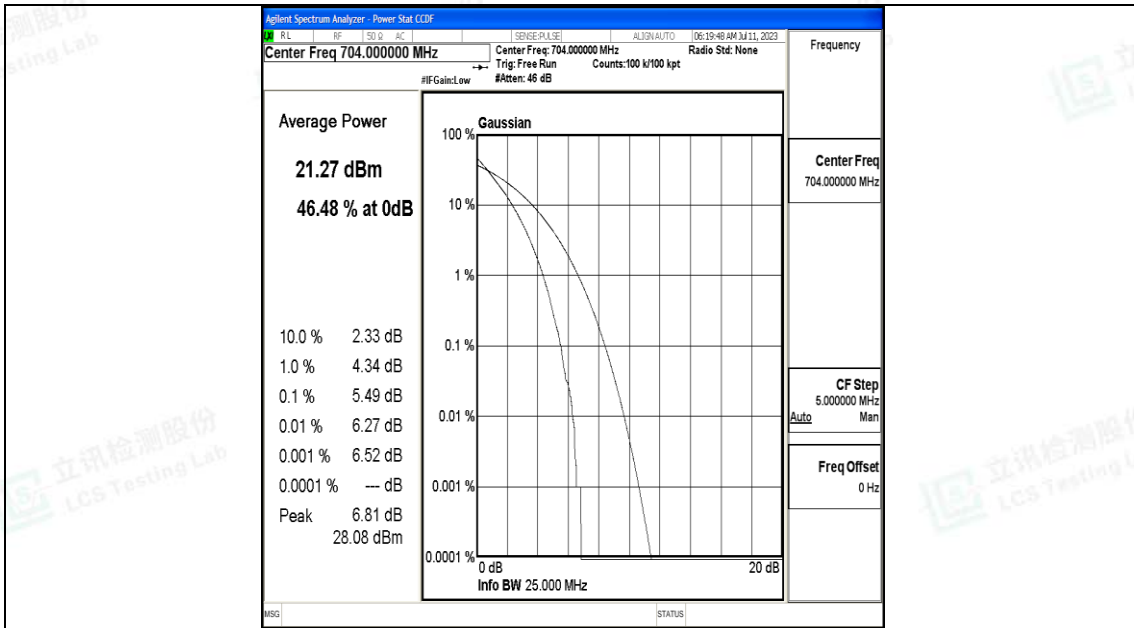


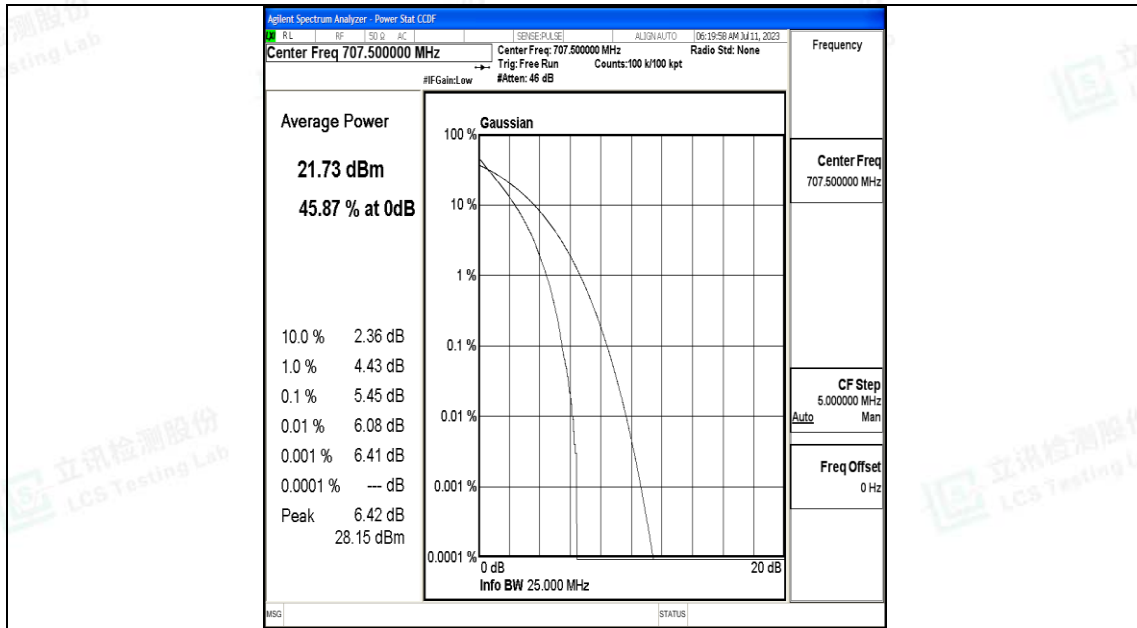
5MHz-23155



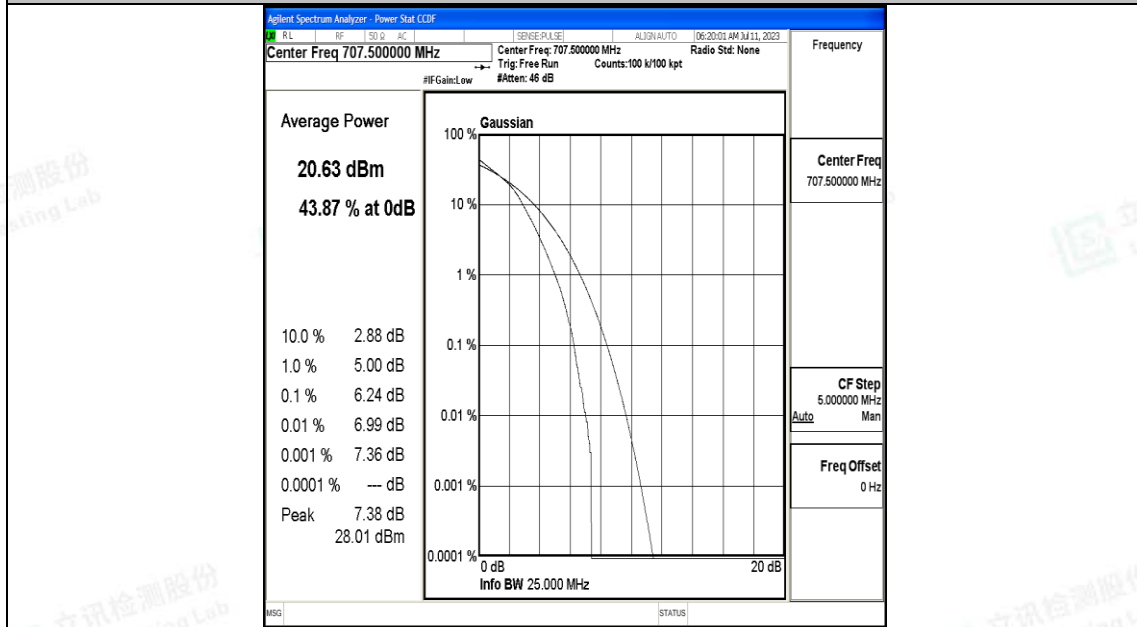
5MHz-23155





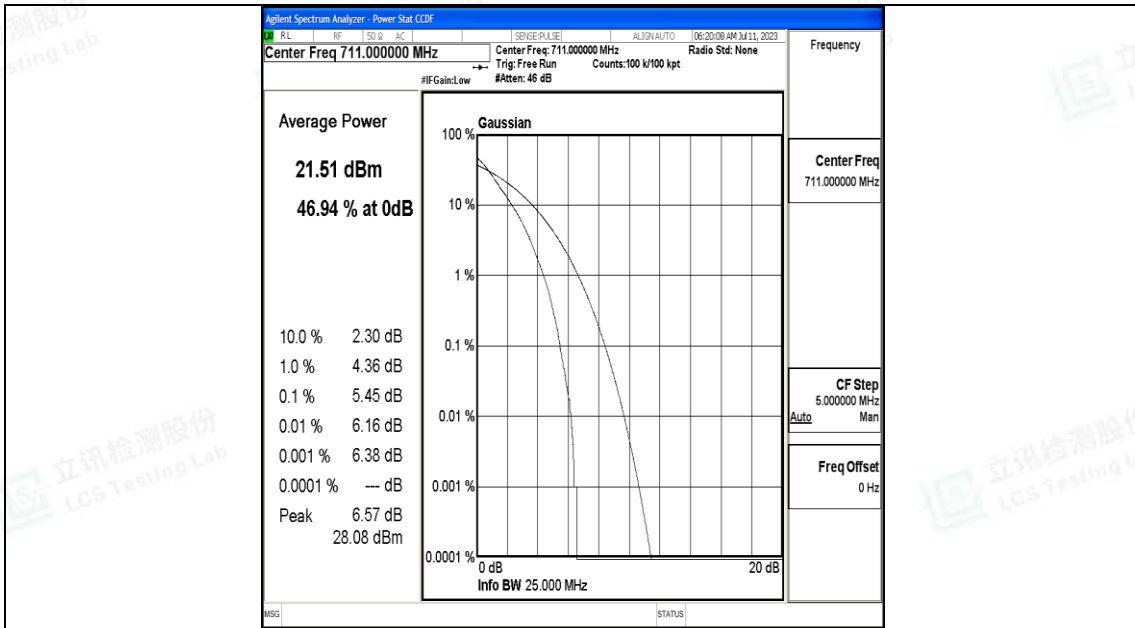


10MHz-23095

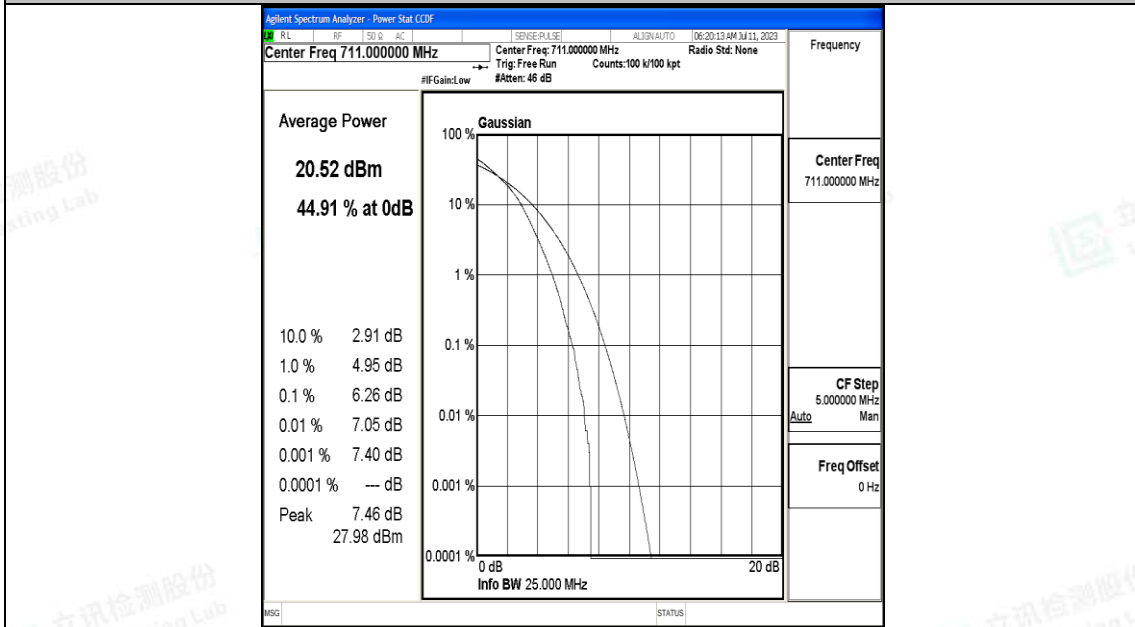


10MHz-23095





10MHz-23130



10MHz-23130





J.3 26dB Bandwidth and Occupied Bandwidth

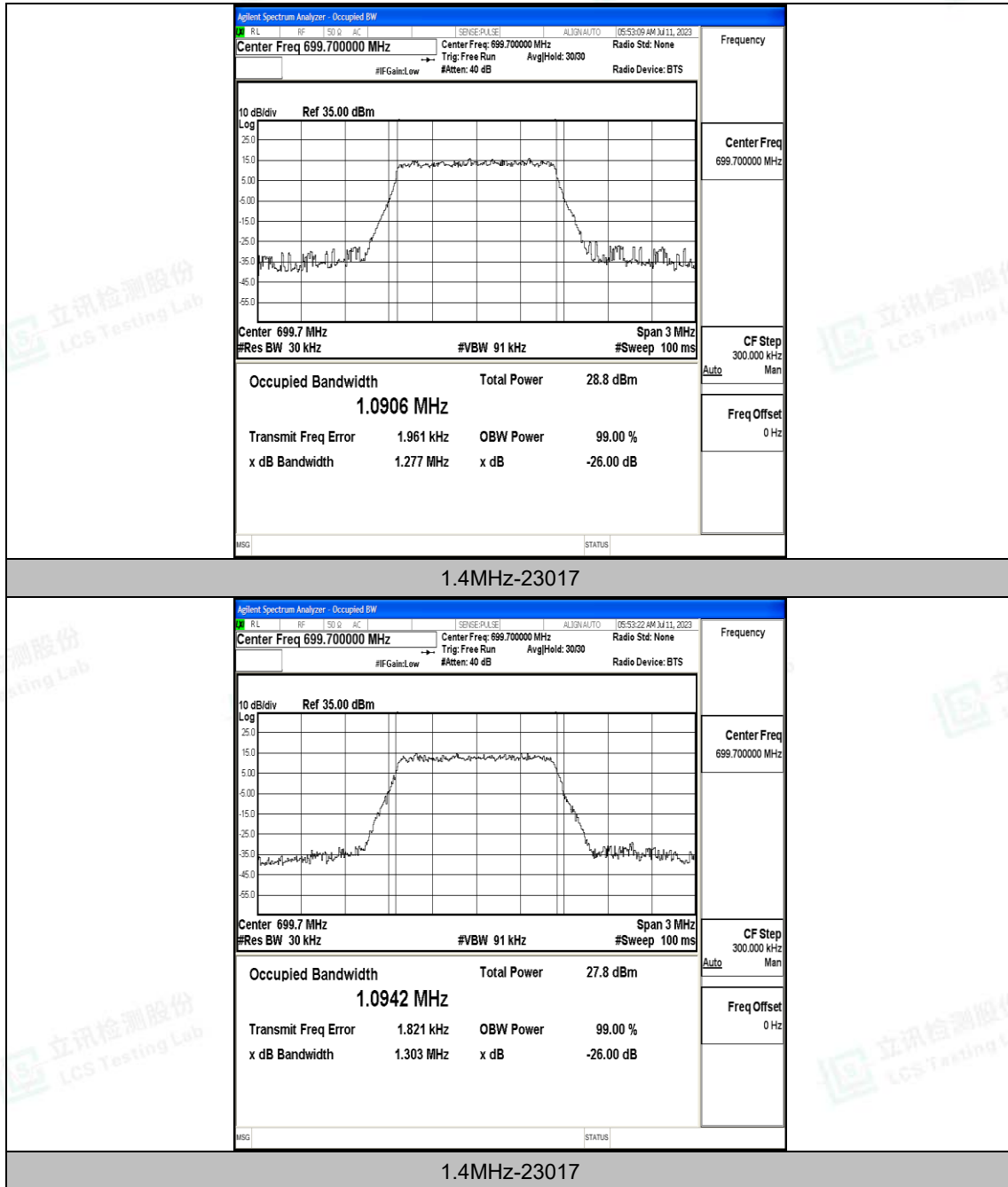
Test Result

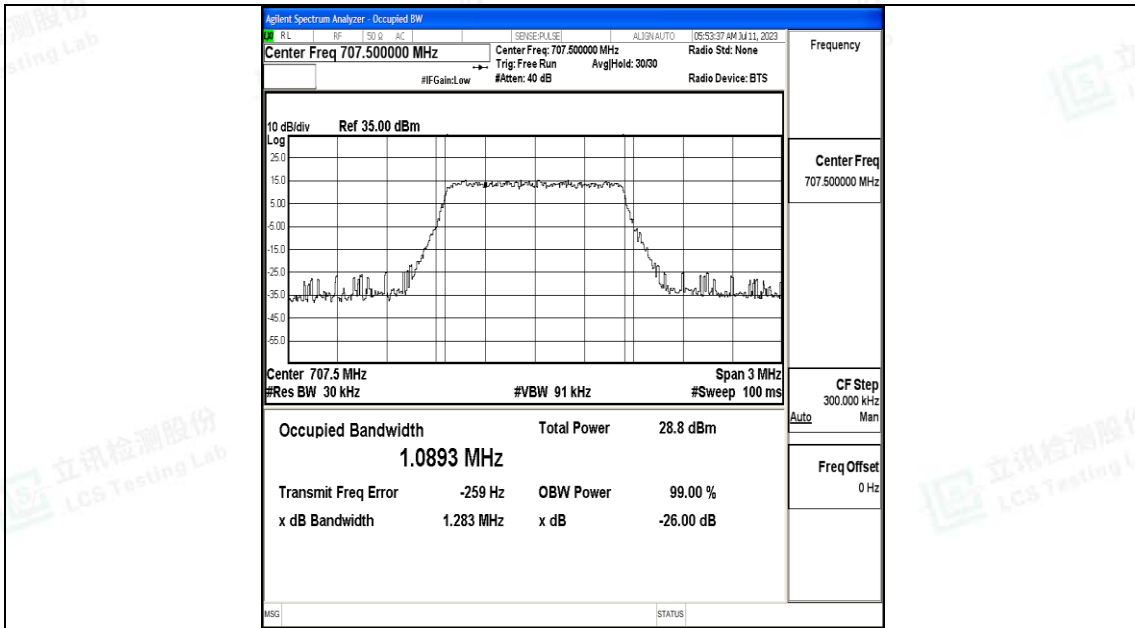
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	1.0906	1.277	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	1.0942	1.303	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	1.0893	1.283	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	1.0971	1.315	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	1.0857	1.278	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	1.0917	1.299	PASS
Band12	3MHz	QPSK	23025	15RB#0	2.6840	2.886	PASS
Band12	3MHz	16QAM	23025	15RB#0	2.6821	3.313	PASS
Band12	3MHz	QPSK	23095	15RB#0	2.6940	2.915	PASS
Band12	3MHz	16QAM	23095	15RB#0	2.6857	2.887	PASS
Band12	3MHz	QPSK	23165	15RB#0	2.6784	2.892	PASS
Band12	3MHz	16QAM	23165	15RB#0	2.6785	2.869	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.5117	5.163	PASS
Band12	5MHz	16QAM	23035	25RB#0	4.5019	5.089	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.5398	5.206	PASS
Band12	5MHz	16QAM	23095	25RB#0	4.5173	5.151	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.5040	5.135	PASS
Band12	5MHz	16QAM	23155	25RB#0	4.5023	5.124	PASS
Band12	10MHz	QPSK	23060	50RB#0	9.0051	10.11	PASS
Band12	10MHz	16QAM	23060	50RB#0	8.9578	9.955	PASS
Band12	10MHz	QPSK	23095	50RB#0	9.0501	10.16	PASS
Band12	10MHz	16QAM	23095	50RB#0	9.0309	10.06	PASS
Band12	10MHz	QPSK	23130	50RB#0	8.9833	10.10	PASS
Band12	10MHz	16QAM	23130	50RB#0	8.9773	9.945	PASS



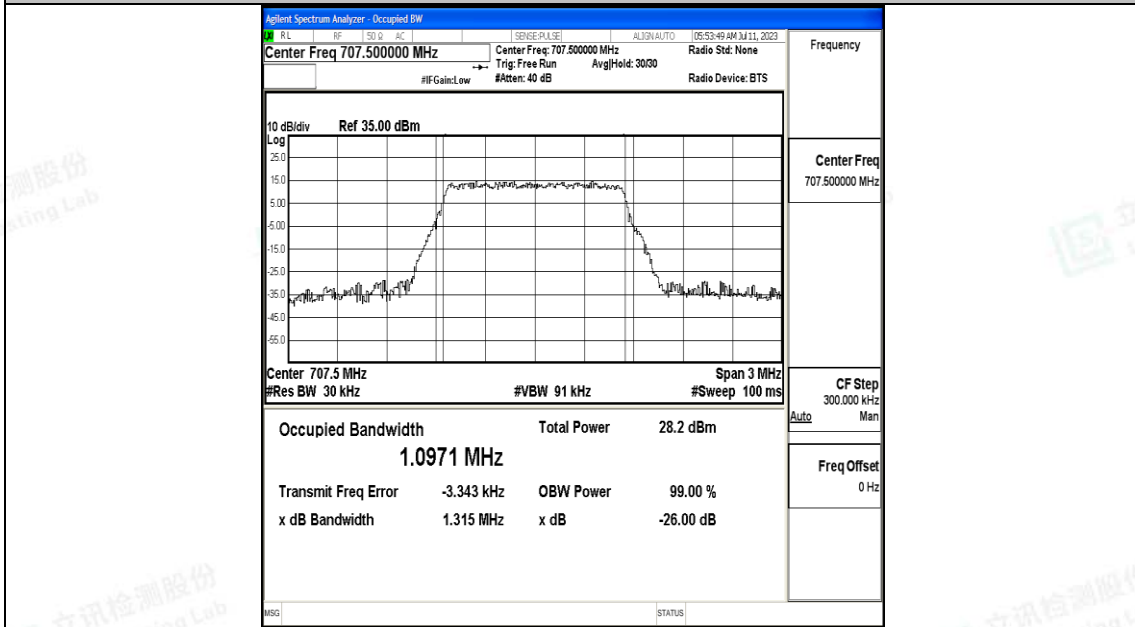


Test Graphs



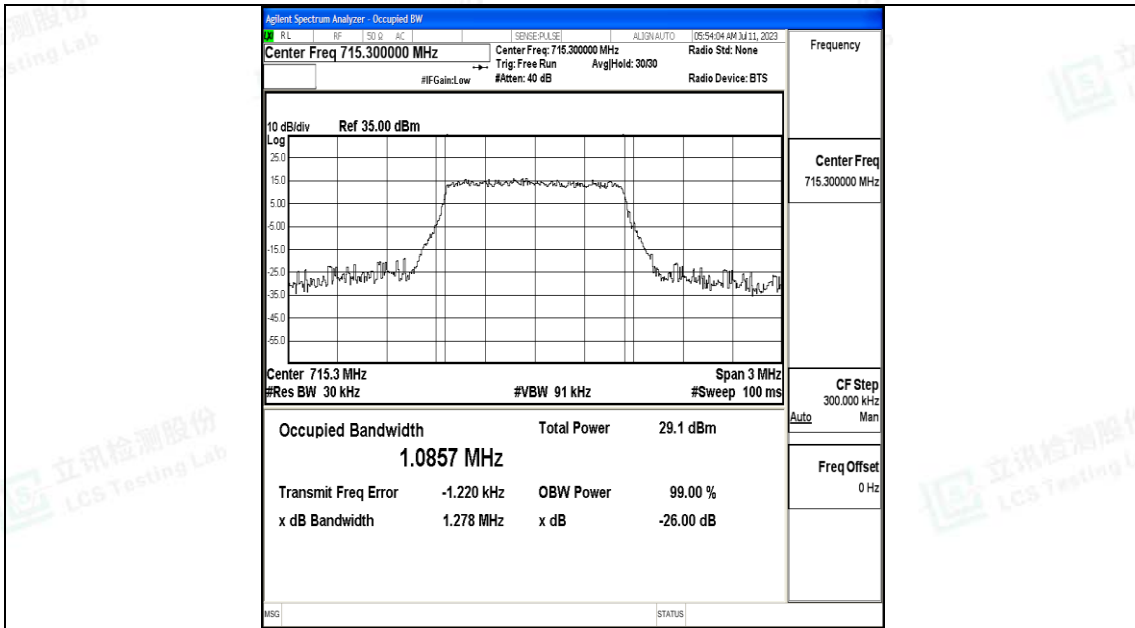


1.4MHz-23095

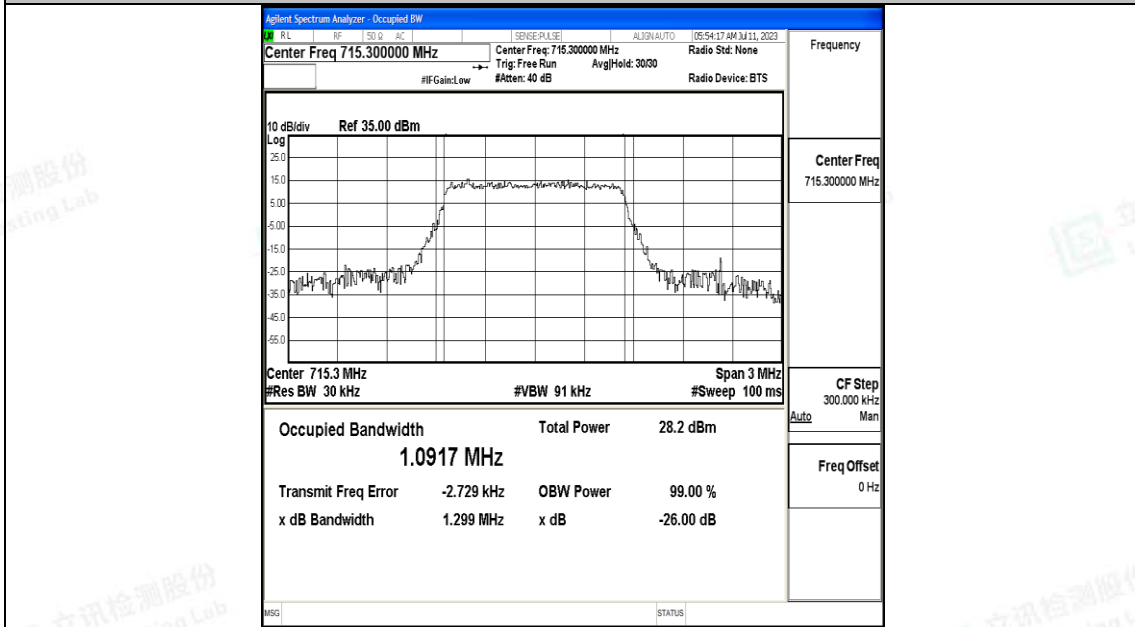


1.4MHz-23095



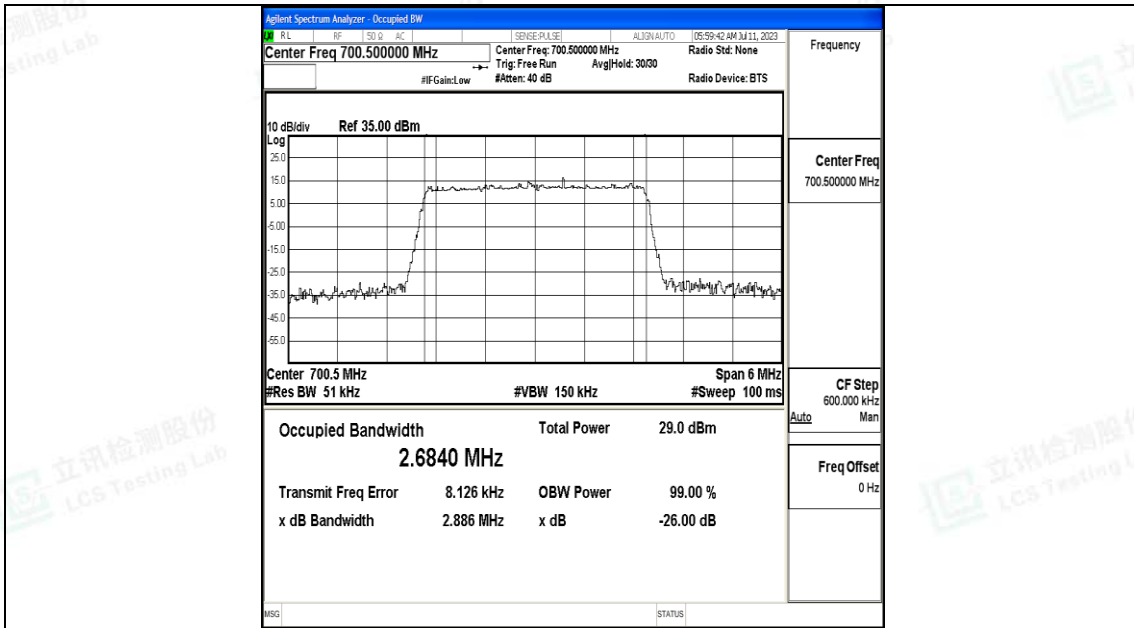


1.4MHz-23173

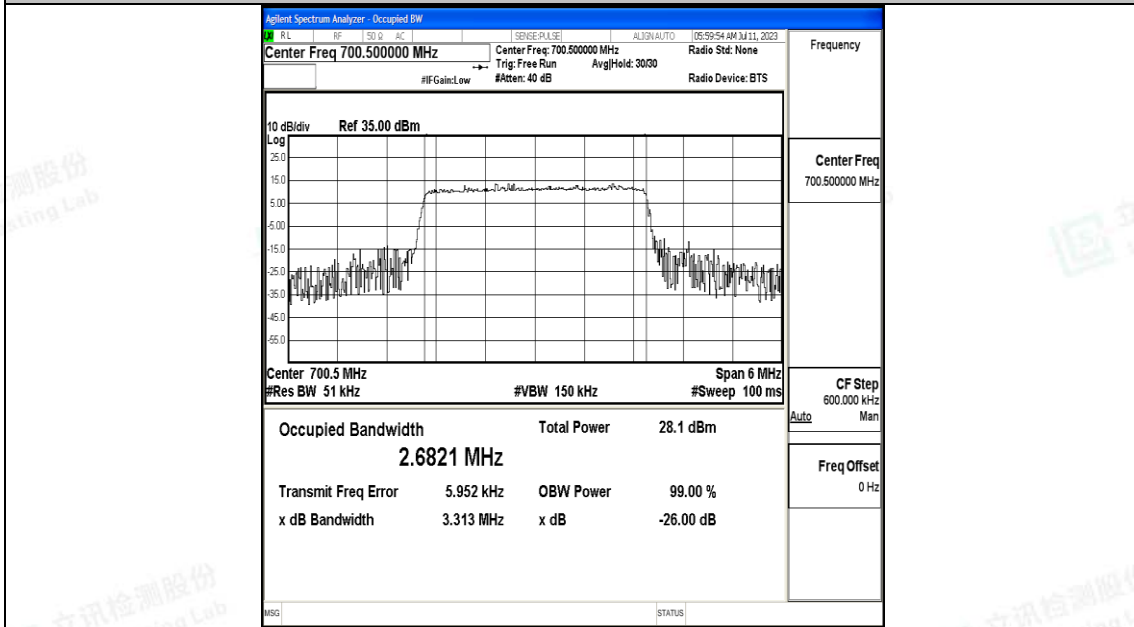


1.4MHz-23173



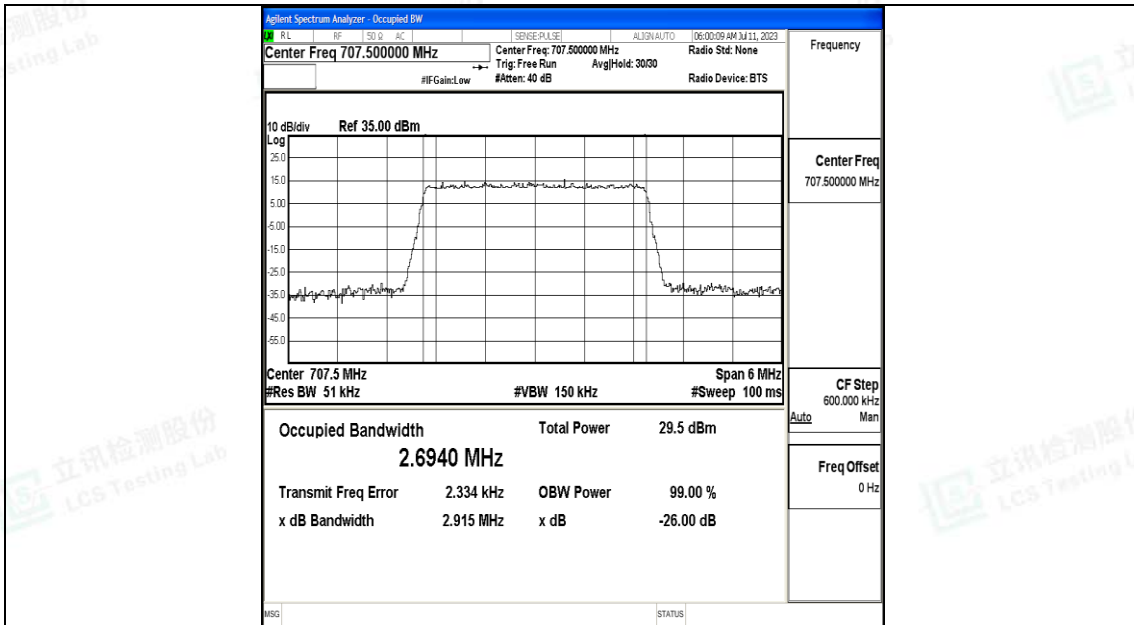


3MHz-23025

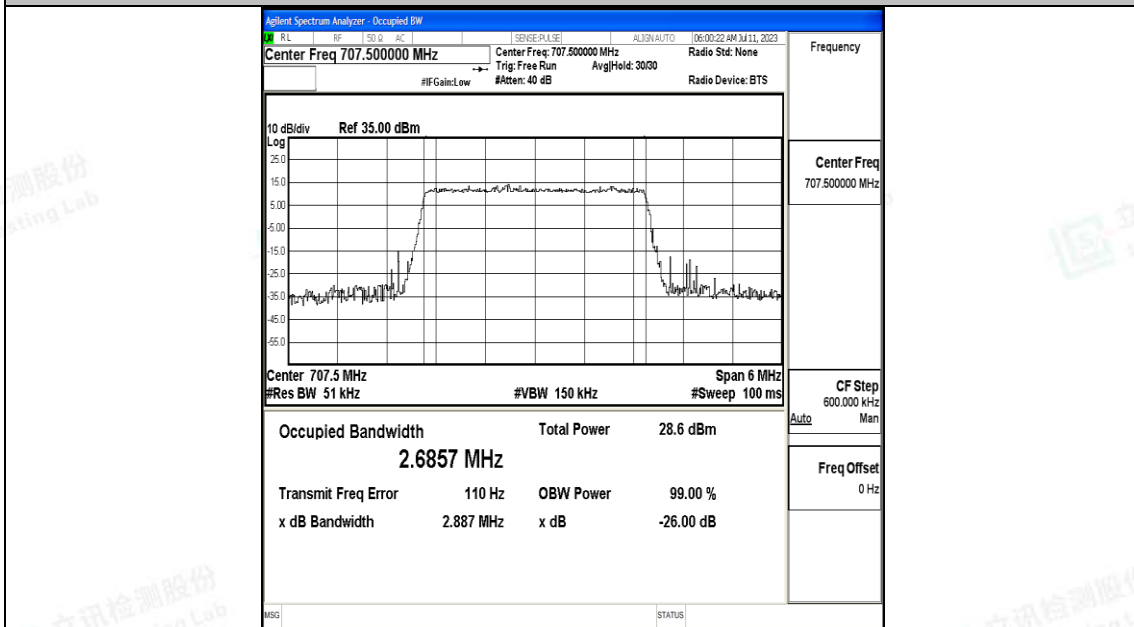


3MHz-23025



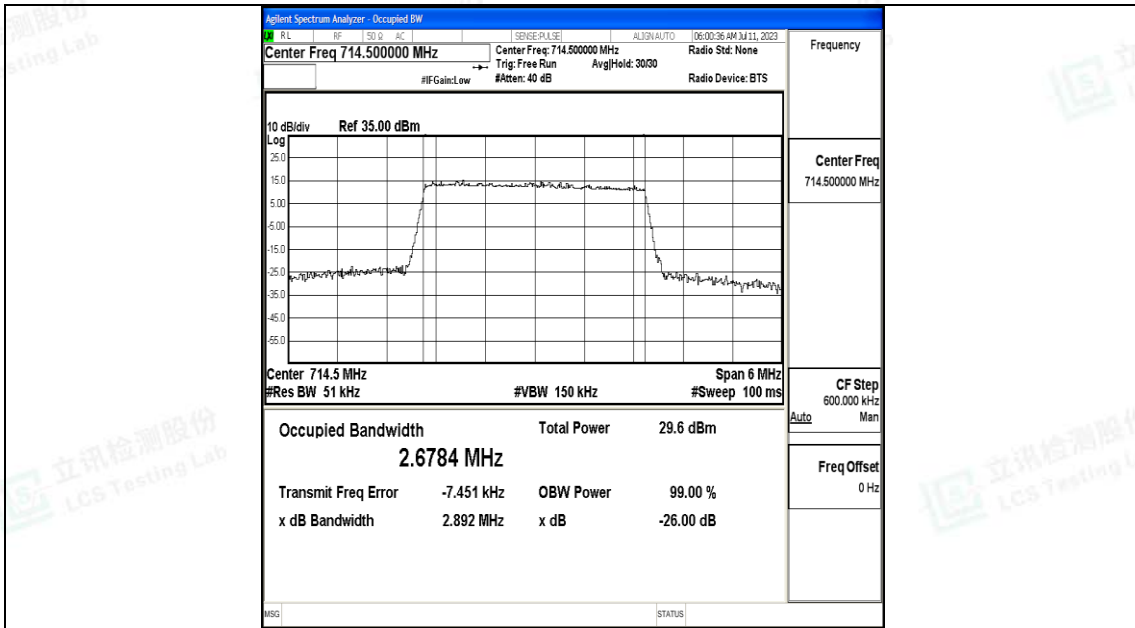


3MHz-23095

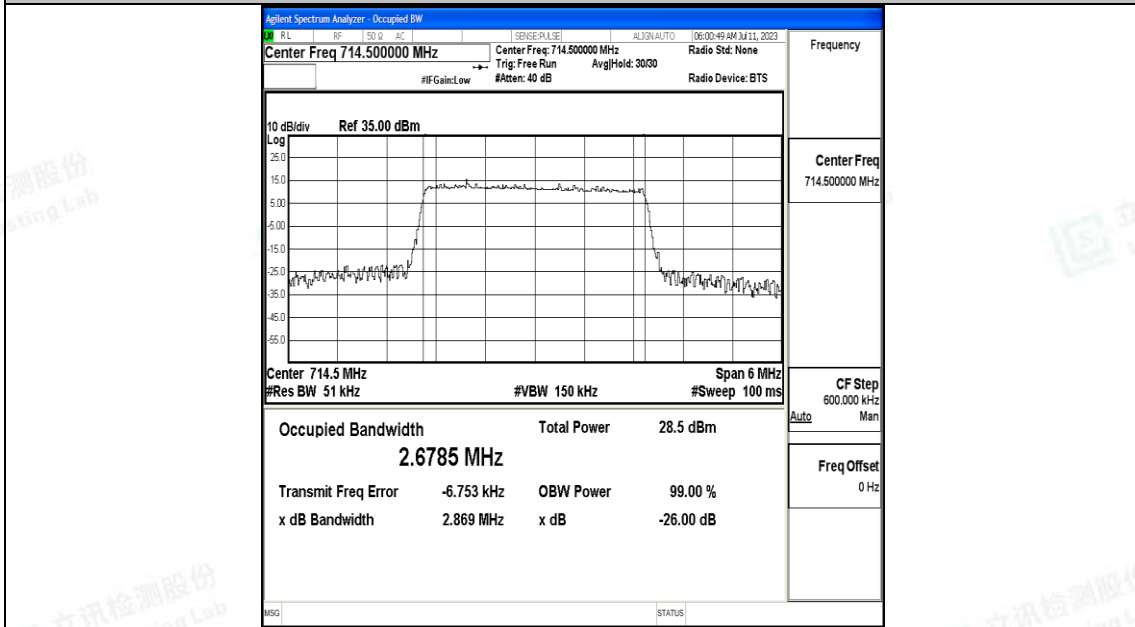


3MHz-23095



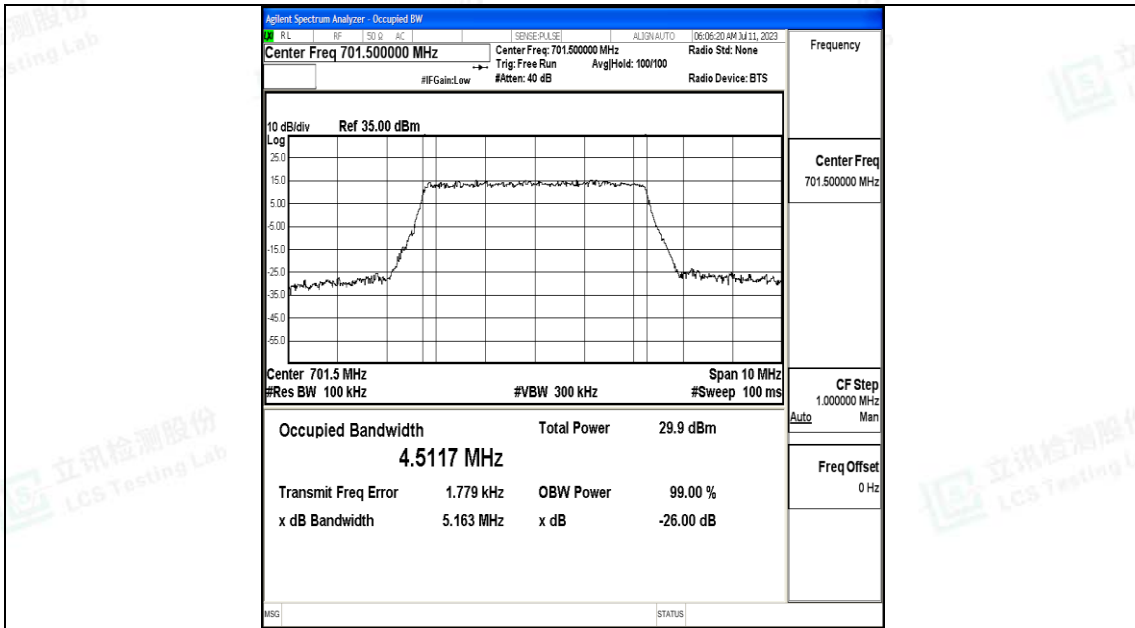


3MHz-23165

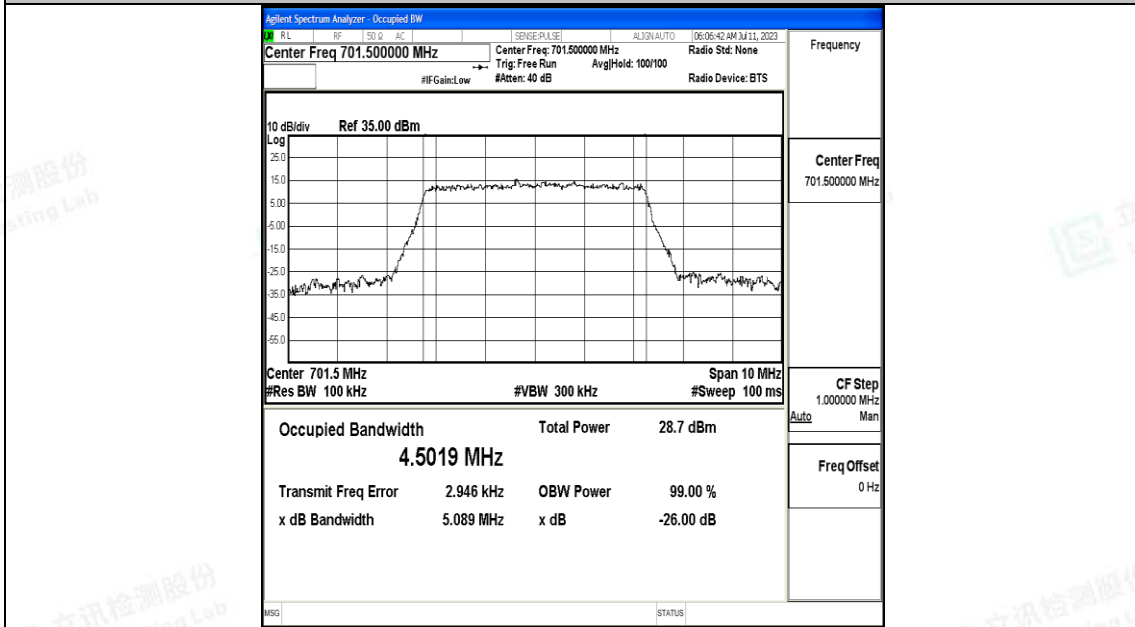


3MHz-23165



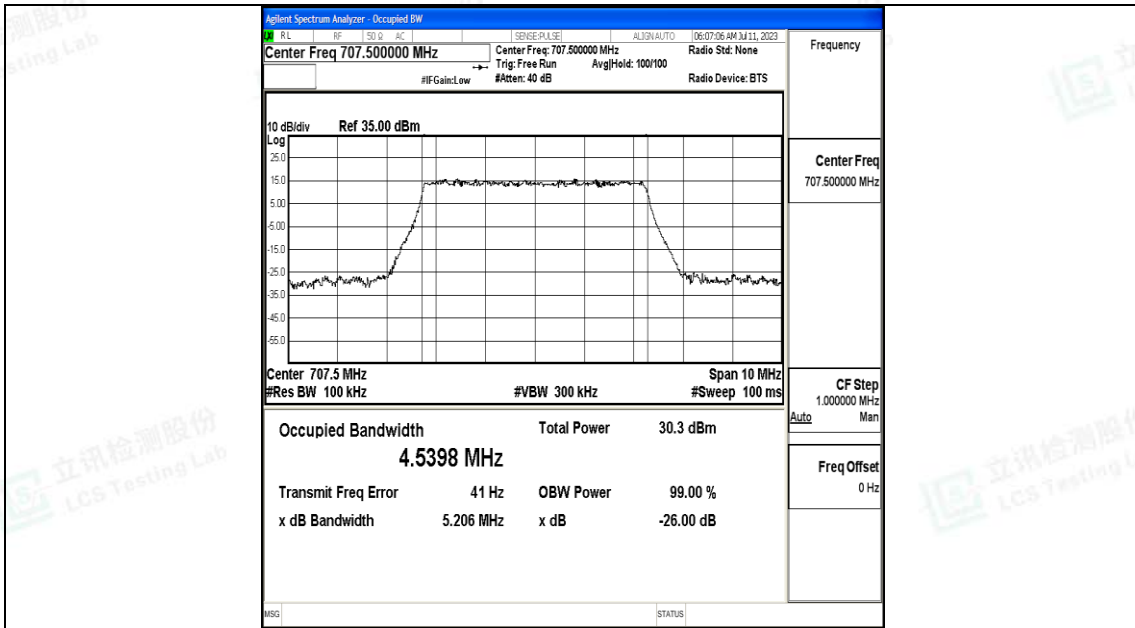


5MHz-23035

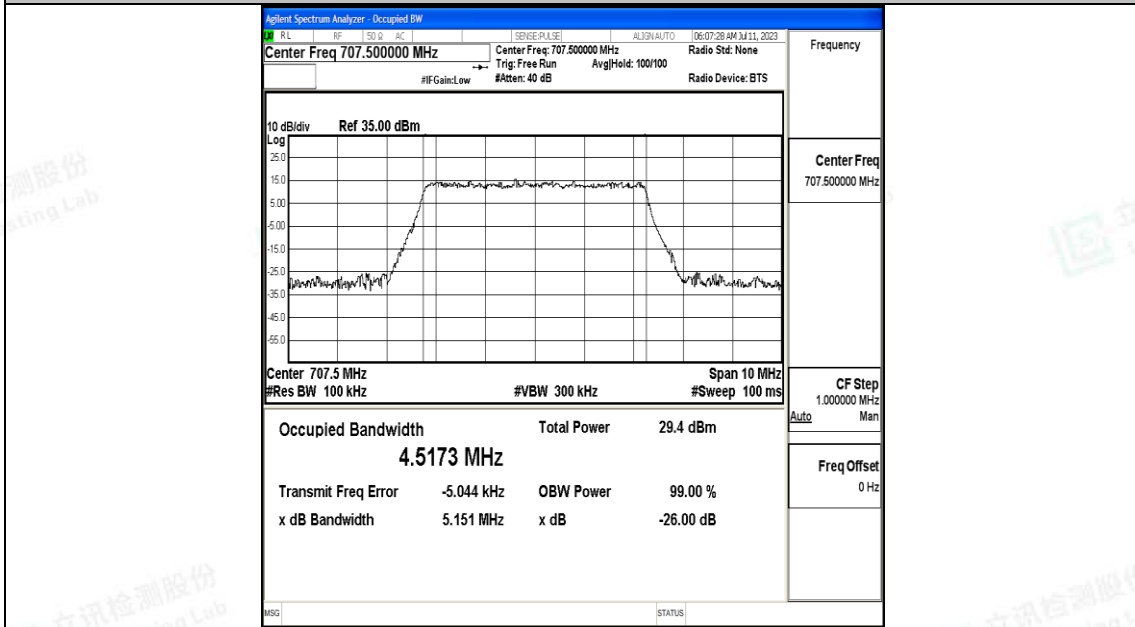


5MHz-23035



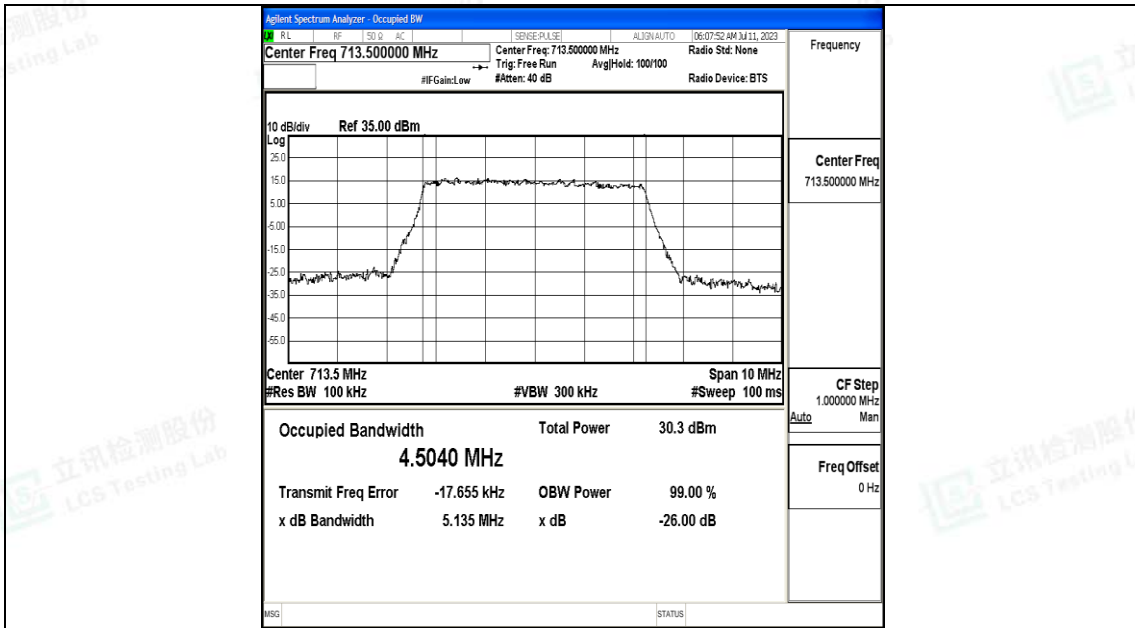


5MHz-23095



5MHz-23095



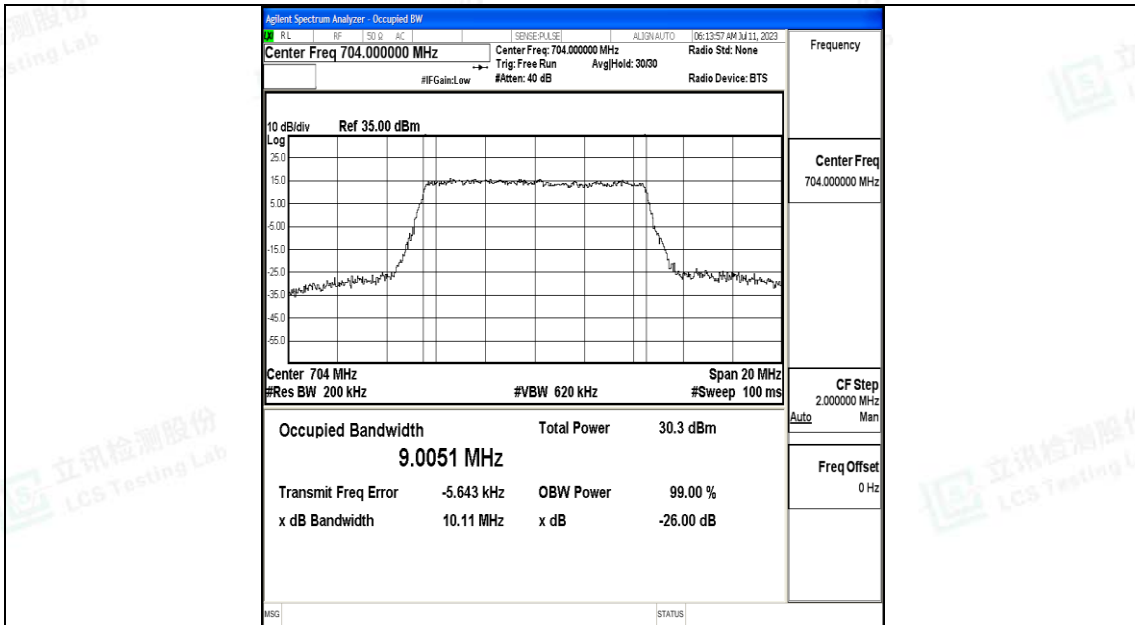


5MHz-23155

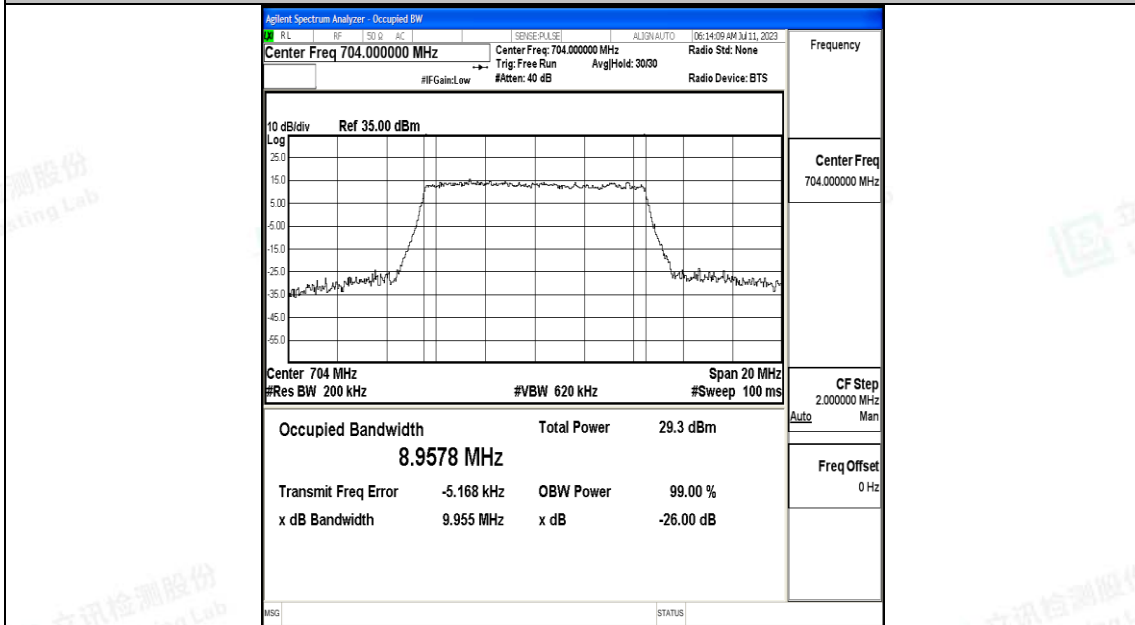


5MHz-23155



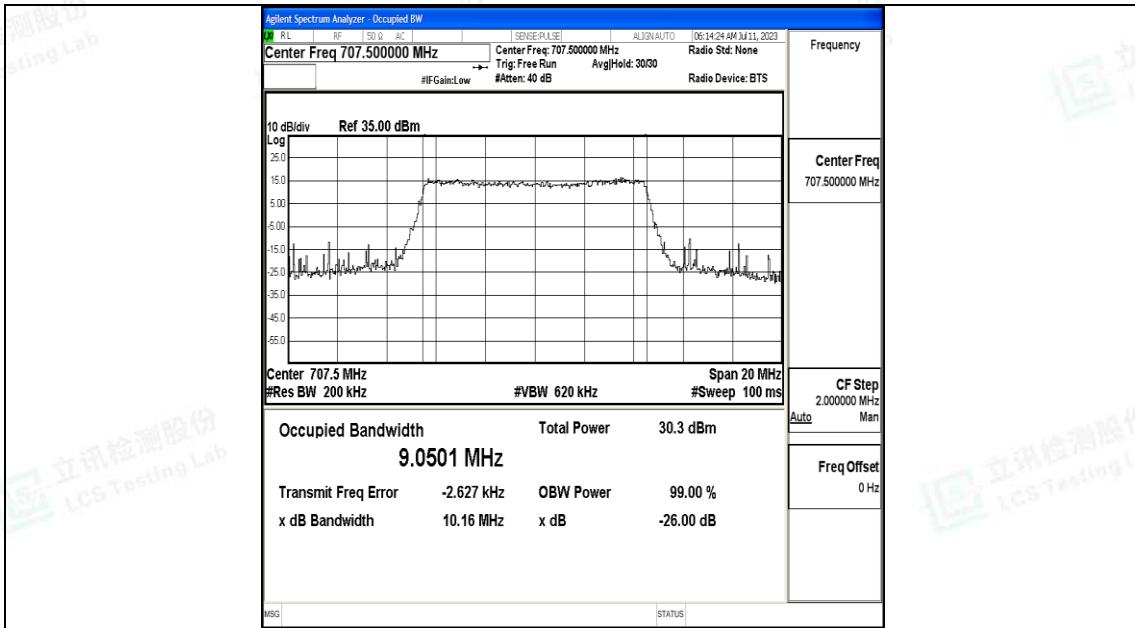


10MHz-23060

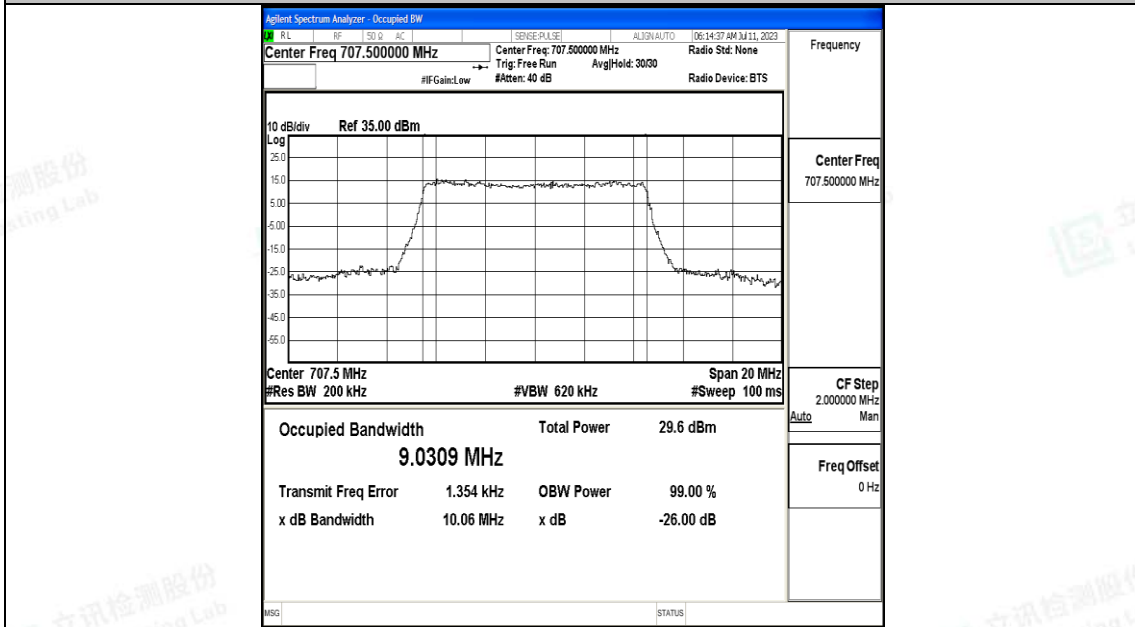


10MHz-23060



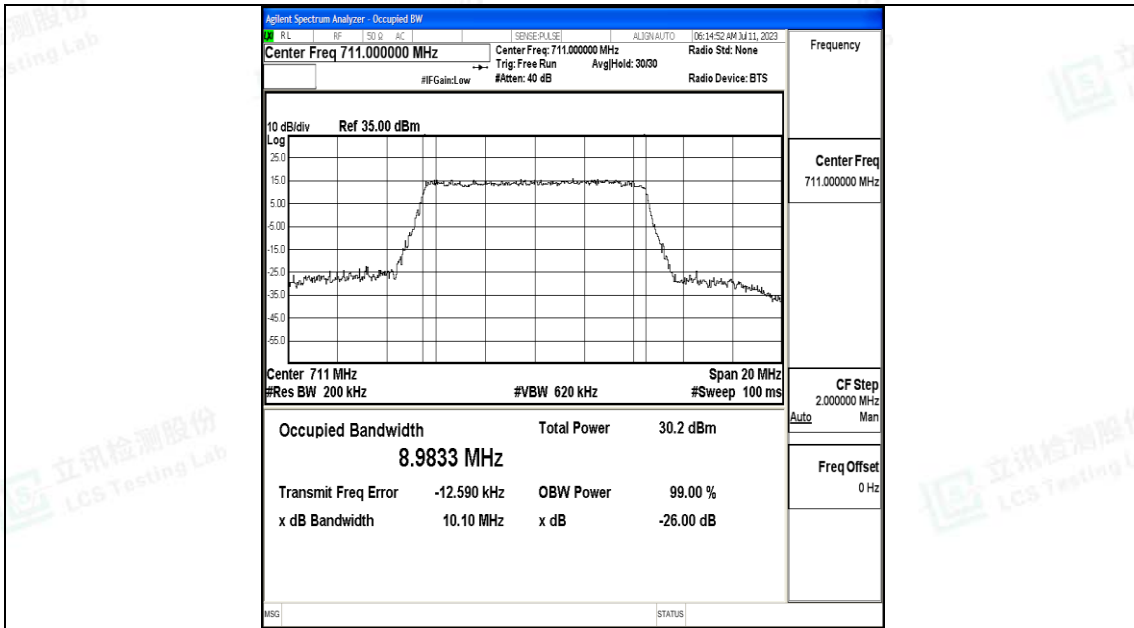


10MHz-23095

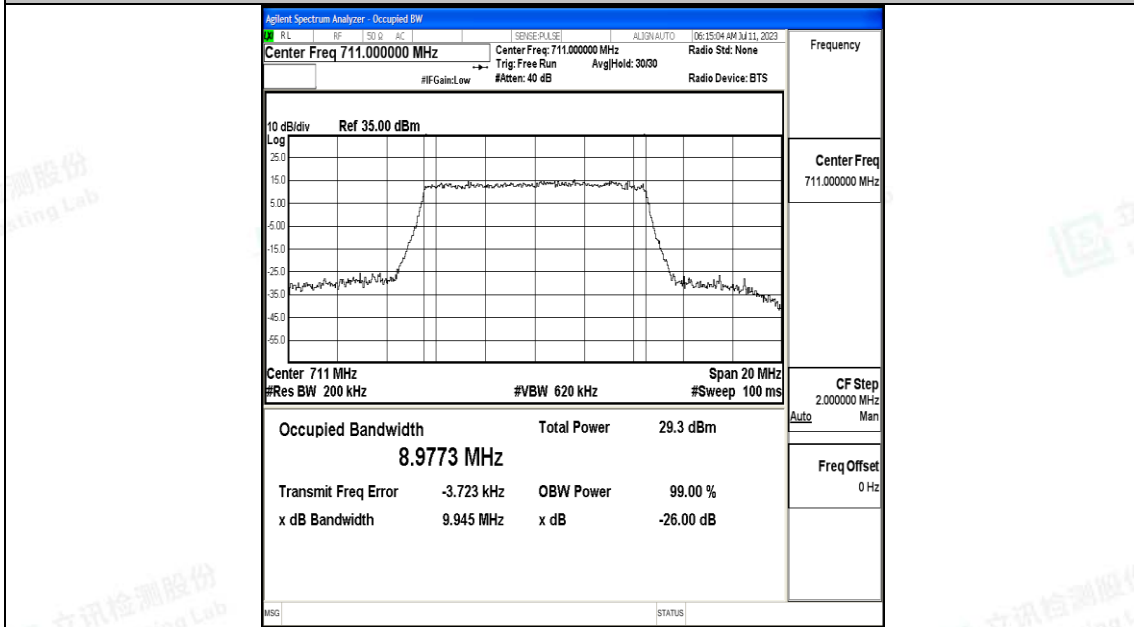


10MHz-23095





10MHz-23130



10MHz-23130



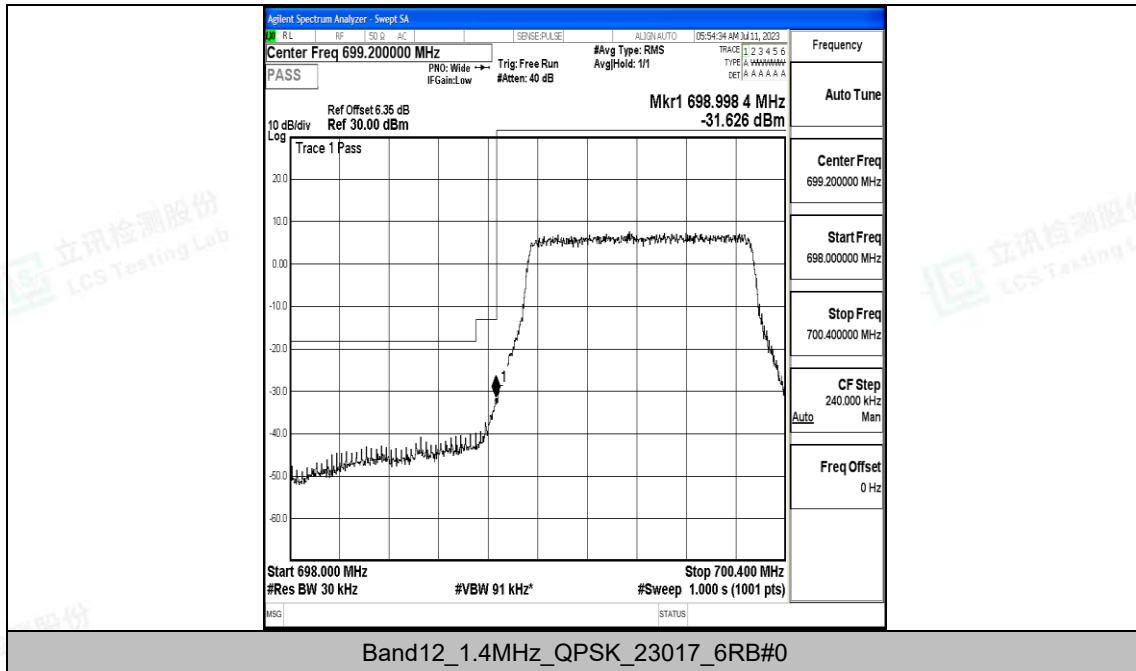


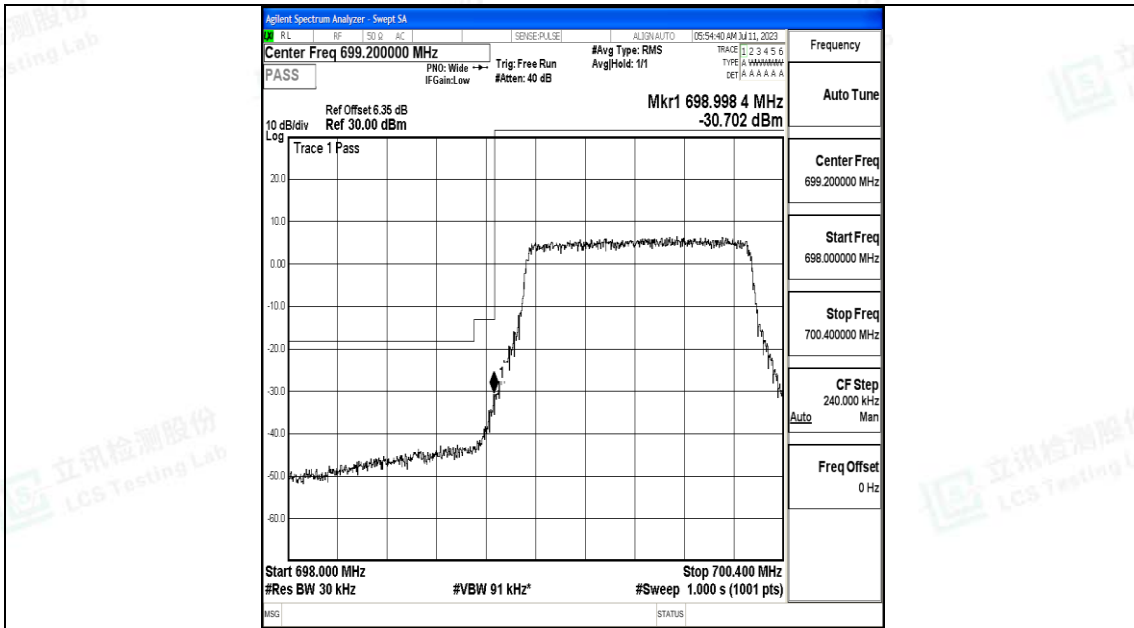
J.4 Band Edge

Test Result

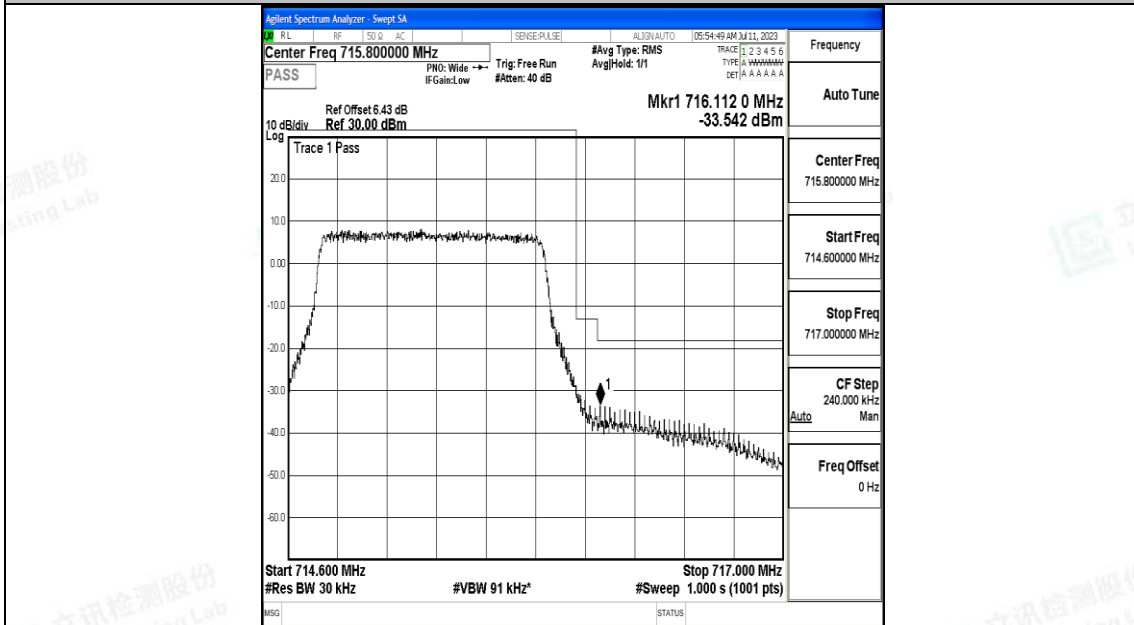
Band	Bandwidth	Modulation	Channel	RB Configuration	Peak Frequency	Result(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	699.00	-31.63	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	699.00	-30.70	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	716.11	-33.54	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	716.34	-32.53	PASS
Band12	3MHz	QPSK	23025	15RB#0	698.75	-37.60	PASS
Band12	3MHz	16QAM	23025	15RB#0	698.67	-35.41	PASS
Band12	3MHz	QPSK	23165	15RB#0	716.20	-37.81	PASS
Band12	3MHz	16QAM	23165	15RB#0	716.16	-40.11	PASS
Band12	5MHz	QPSK	23035	25RB#0	698.86	-35.45	PASS
Band12	5MHz	16QAM	23035	25RB#0	698.89	-35.28	PASS
Band12	5MHz	QPSK	23155	25RB#0	716.10	-34.91	PASS
Band12	5MHz	16QAM	23155	25RB#0	716.10	-36.32	PASS
Band12	10MHz	QPSK	23060	50RB#0	698.88	-38.46	PASS
Band12	10MHz	16QAM	23060	50RB#0	698.87	-41.66	PASS
Band12	10MHz	QPSK	23130	50RB#0	716.19	-40.82	PASS
Band12	10MHz	16QAM	23130	50RB#0	716.12	-42.67	PASS

Test Graphs



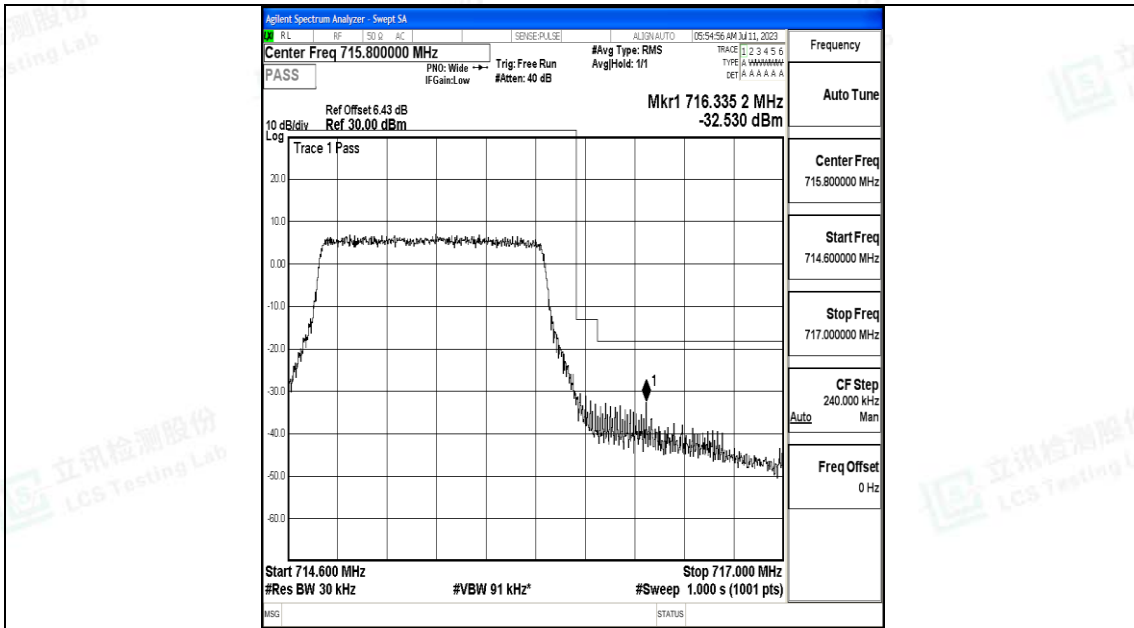


Band12_1.4MHz_16QAM_23017_6RB#0

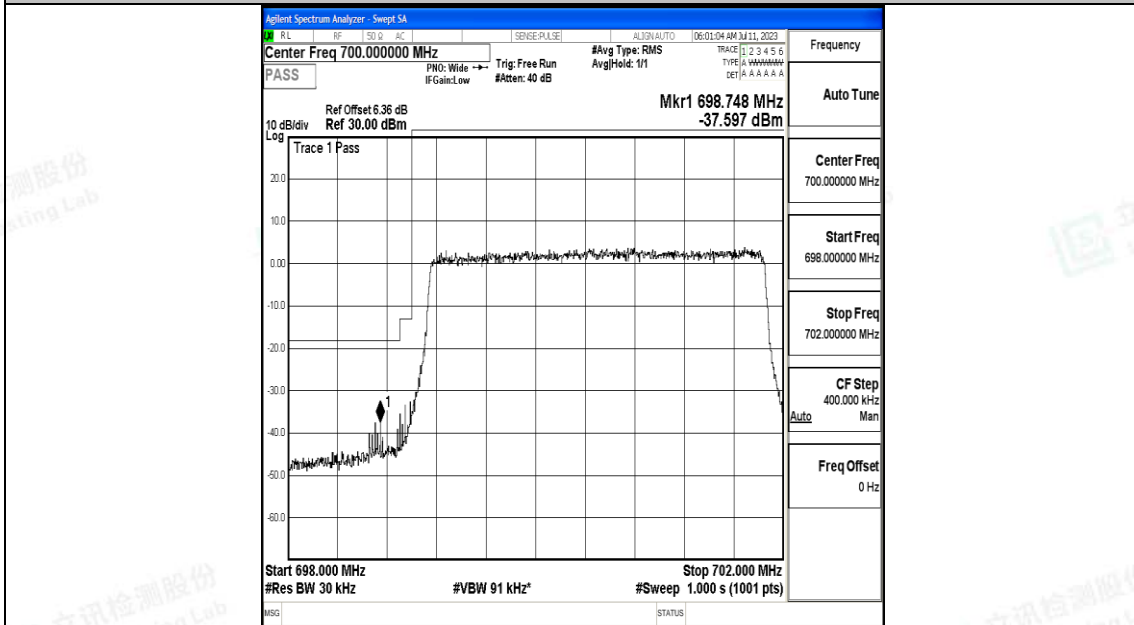


Band12_1.4MHz_QPSK_23173_6RB#0



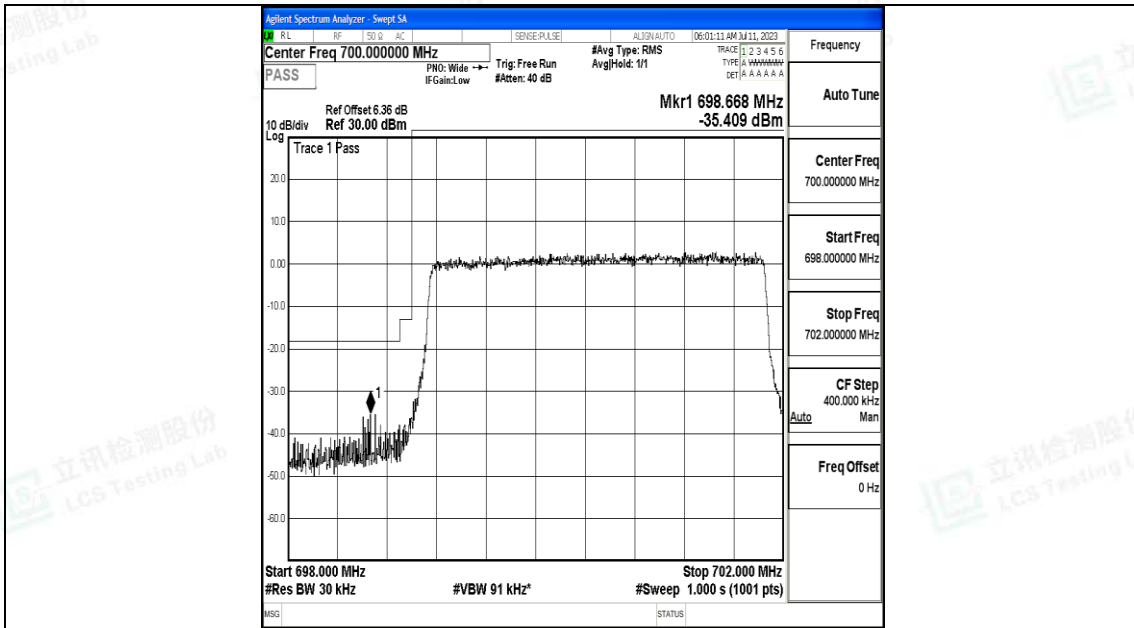


Band12_1.4MHz_16QAM_23173_6RB#0

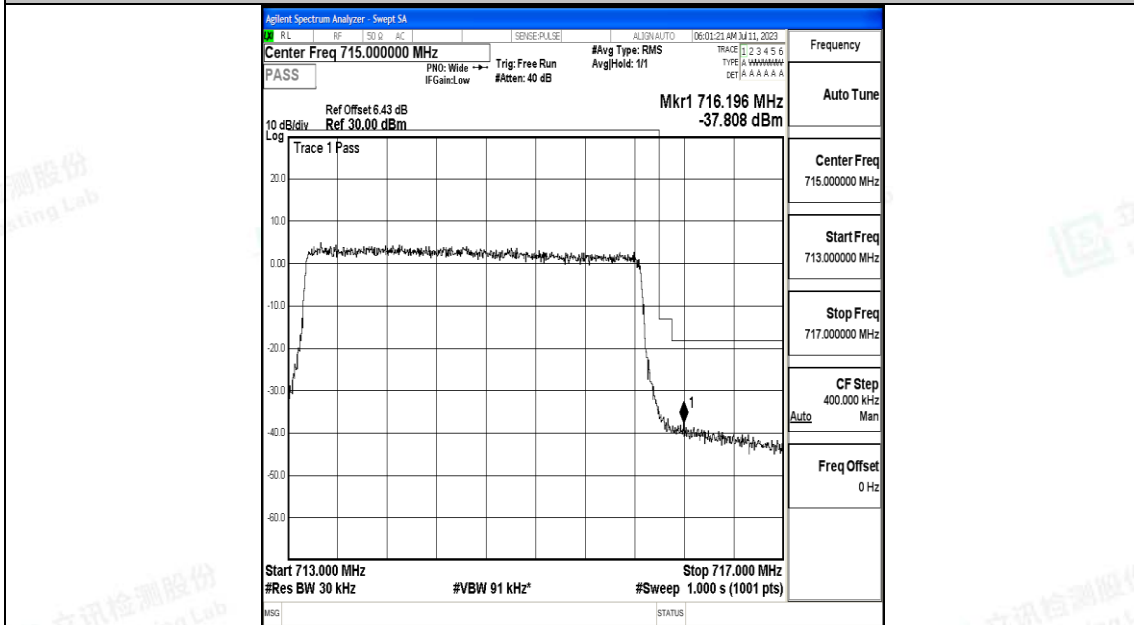


Band12_3MHz_QPSK_23025_15RB#0



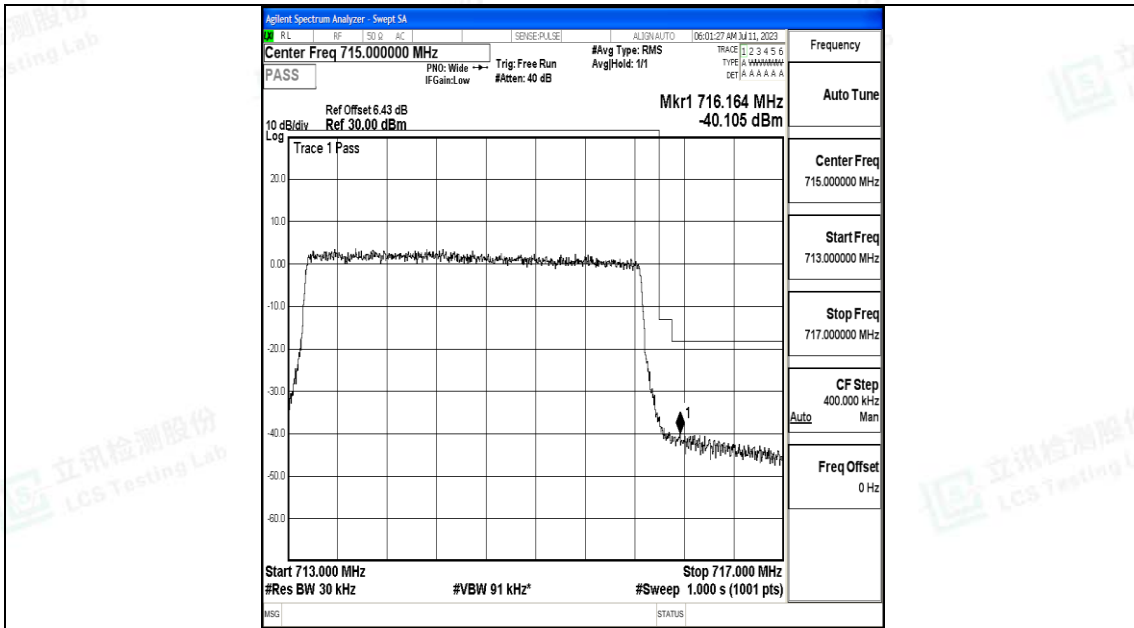


Band12_3MHz_16QAM_23025_15RB#0

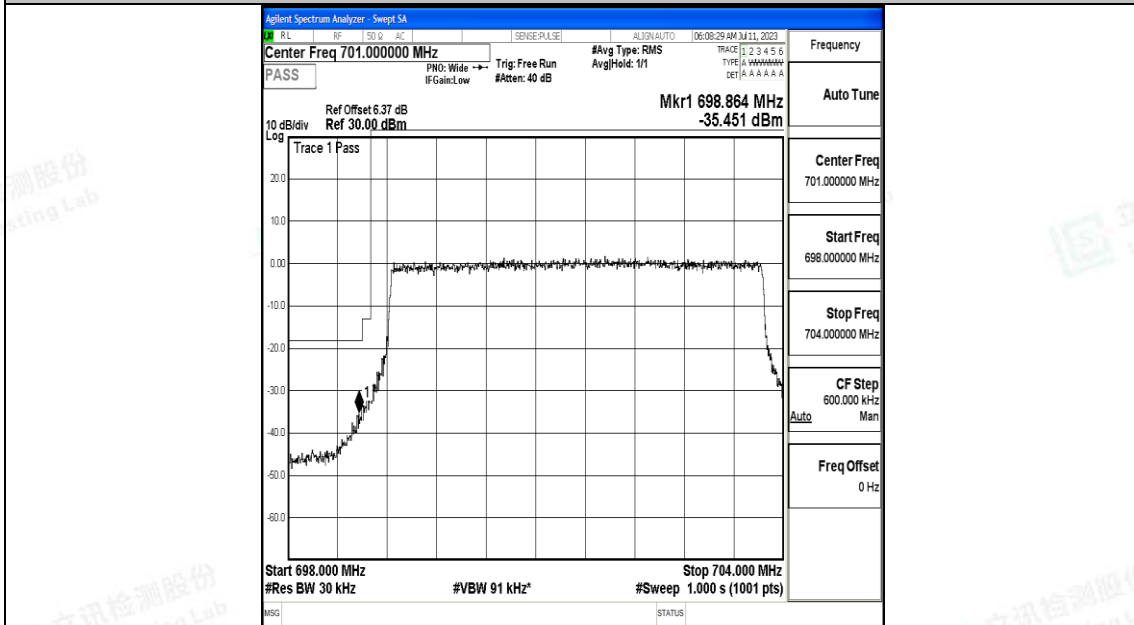


Band12_3MHz_QPSK_23165_15RB#0



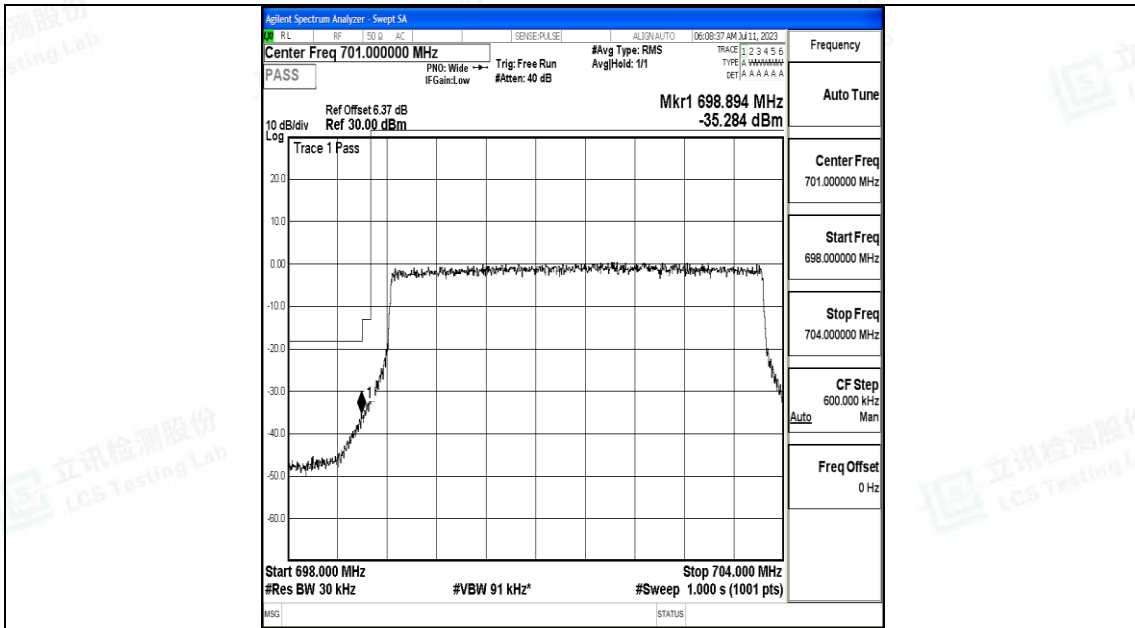


Band12_3MHz_16QAM_23165_15RB#0

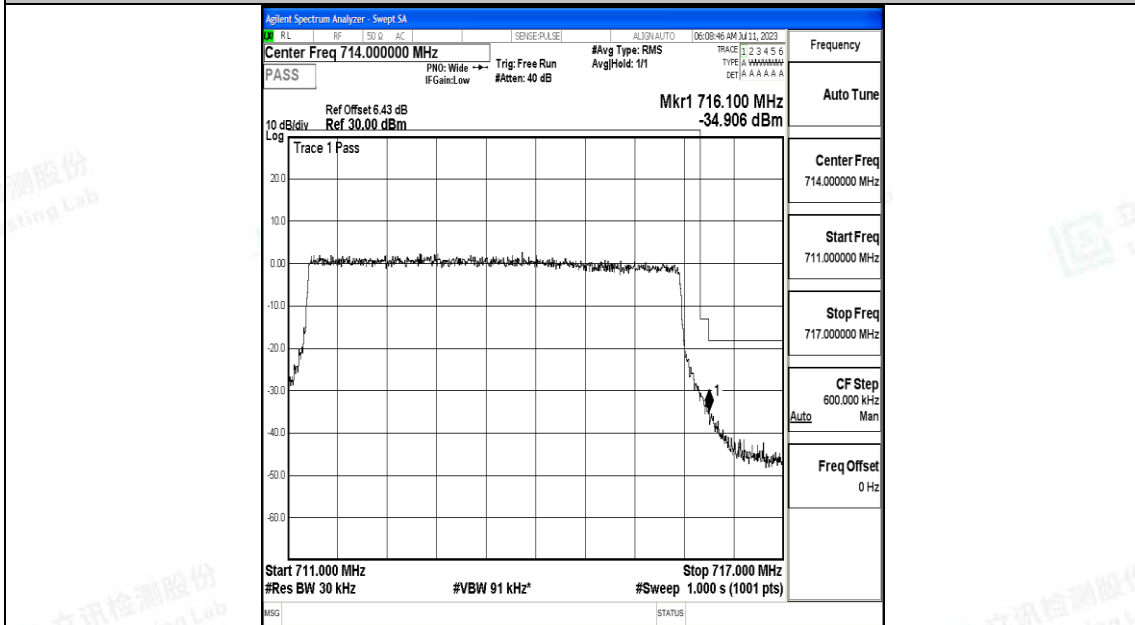


Band12_5MHz_QPSK_23035_25RB#0



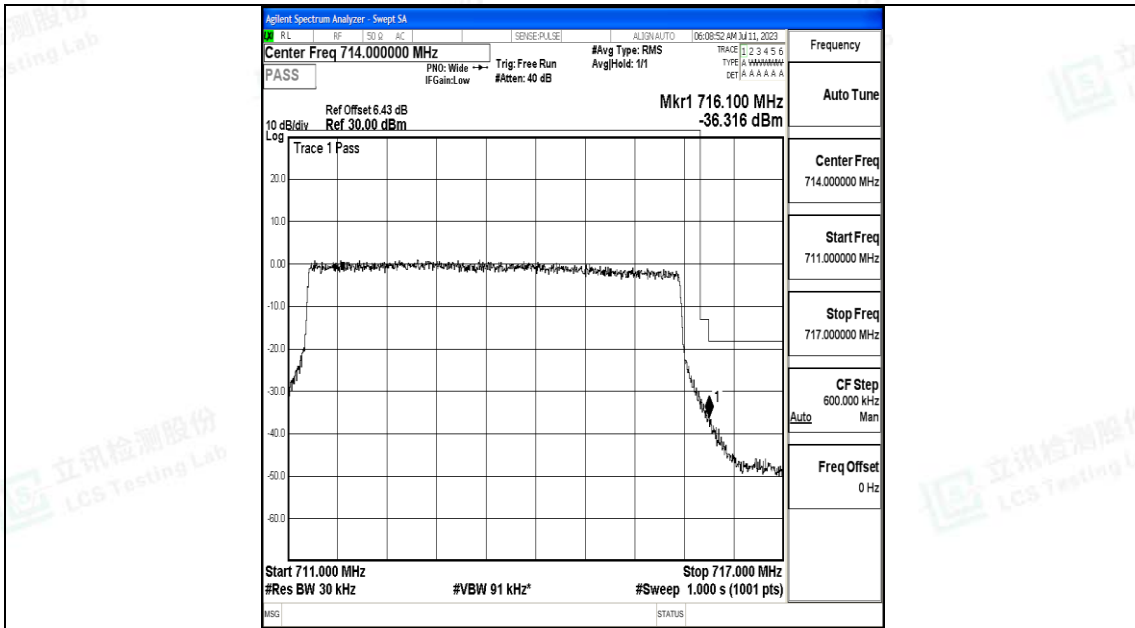


Band12_5MHz_16QAM_23035_25RB#0

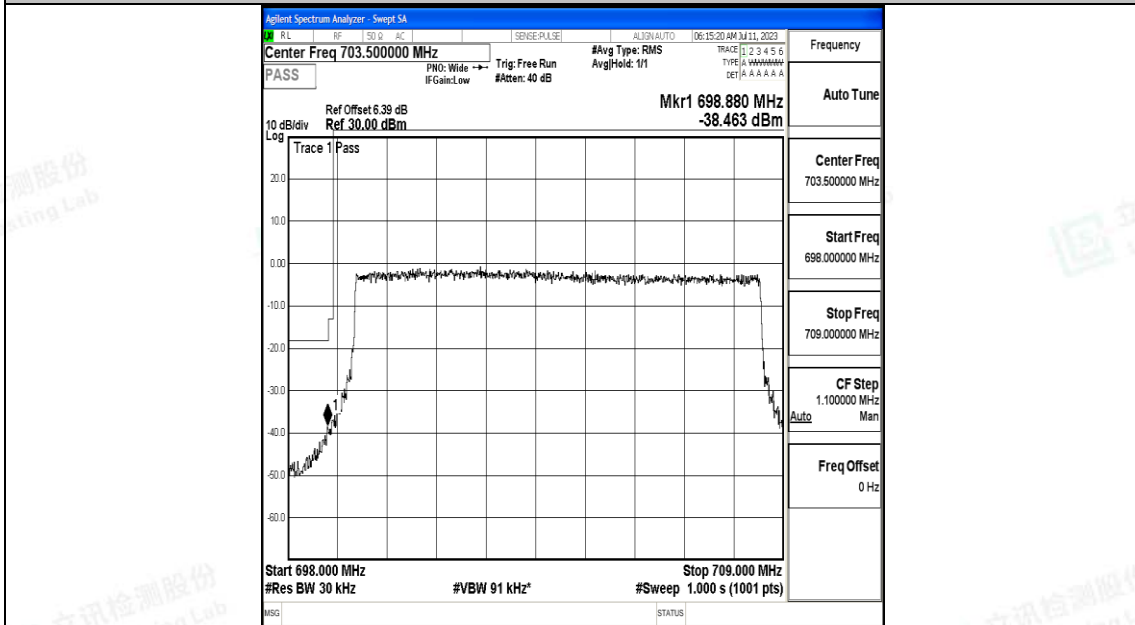


Band12_5MHz_QPSK_23155_25RB#0



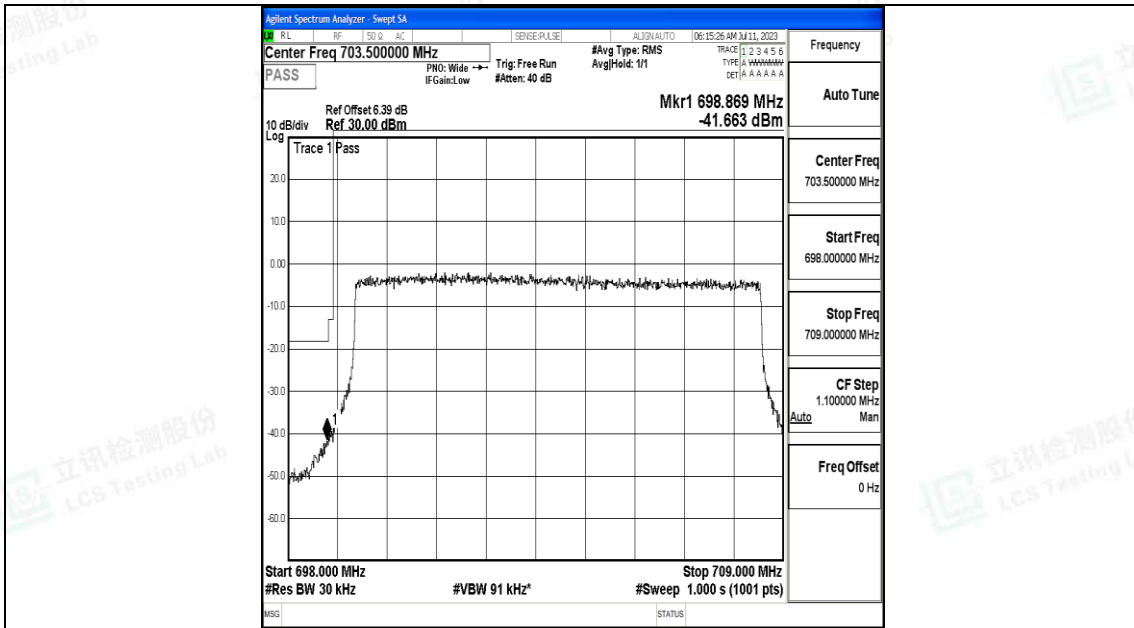


Band12_5MHz_16QAM_23155_25RB#0

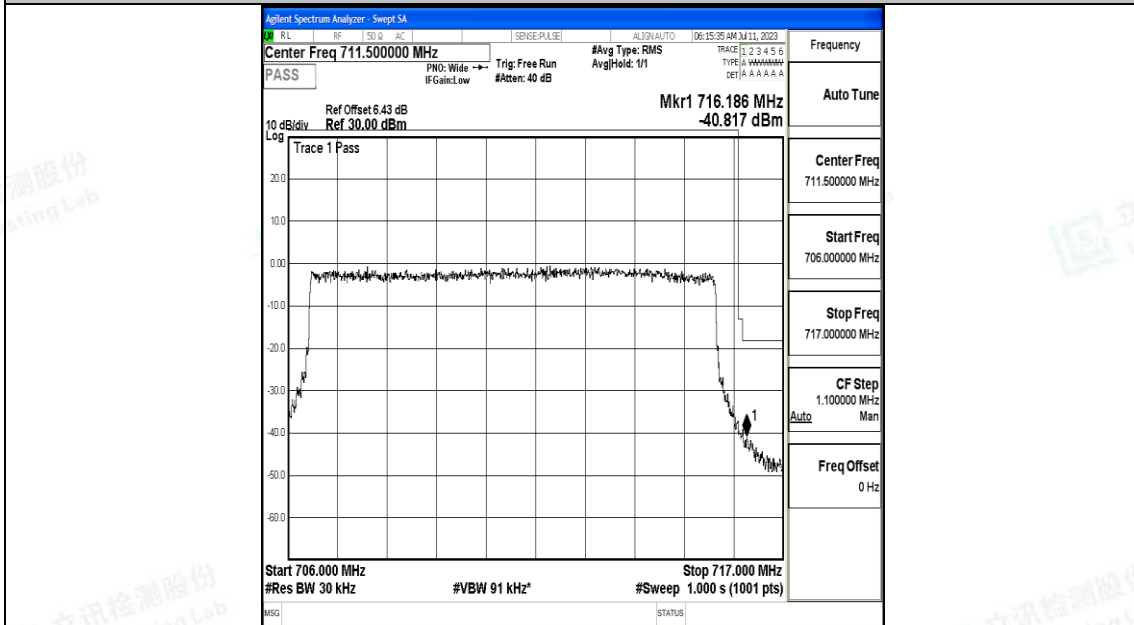


Band12_10MHz_QPSK_23060_50RB#0



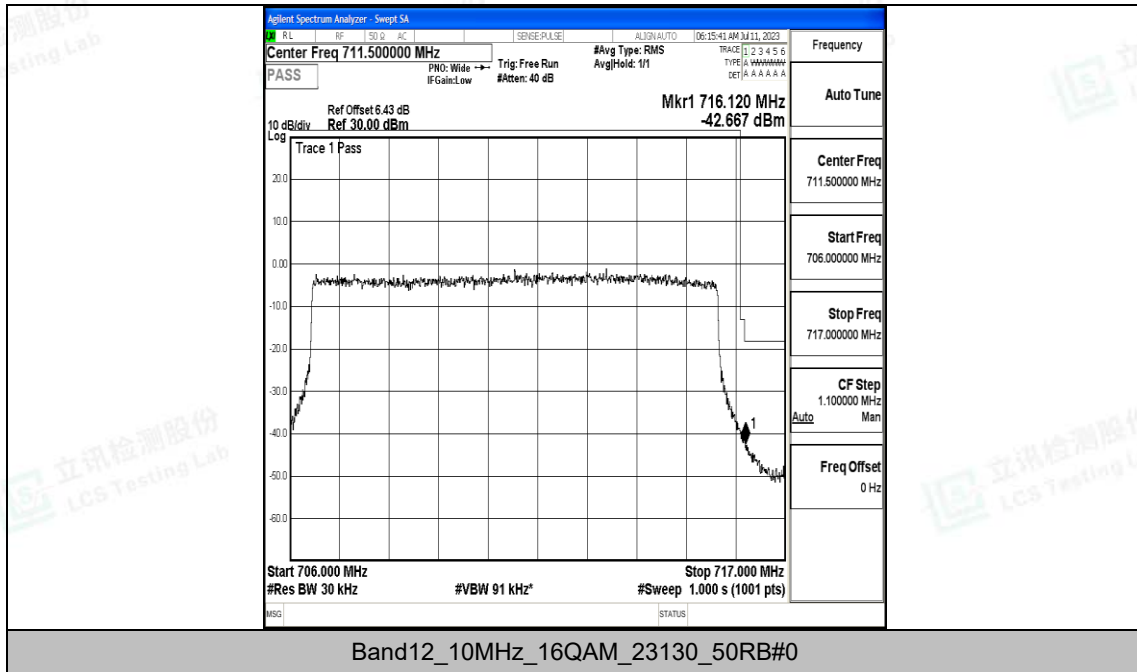


Band12_10MHz_16QAM_23060_50RB#0



Band12_10MHz_QPSK_23130_50RB#0







J.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	-58.60	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	0.15~30	-52.61	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	30~1000	-54.59	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	1000~3000	-45.57	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	3000~10000	-40.39	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	0.009~0.15	-59.40	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	0.15~30	-52.70	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	30~1000	-39.70	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	1000~3000	-45.75	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	3000~10000	-40.30	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	0.009~0.15	-59.23	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	0.15~30	-52.83	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	30~1000	-51.00	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	1000~3000	-46.16	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	3000~10000	-39.29	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	0.009~0.15	-58.86	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	0.15~30	-53.81	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	30~1000	-51.36	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	1000~3000	-44.64	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	3000~10000	-37.94	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	0.009~0.15	-58.16	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	0.15~30	-52.75	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	30~1000	-51.69	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	1000~3000	-41.65	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	3000~10000	-37.55	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	0.009~0.15	-58.03	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	0.15~30	-51.08	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	30~1000	-52.26	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	1000~3000	-41.82	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	3000~10000	-37.47	PASS
Band12	3MHz	QPSK	23025	1RB#0	0.009~0.15	-56.78	PASS
Band12	3MHz	QPSK	23025	1RB#0	0.15~30	-52.99	PASS
Band12	3MHz	QPSK	23025	1RB#0	30~1000	-45.32	PASS
Band12	3MHz	QPSK	23025	1RB#0	1000~3000	-45.13	PASS
Band12	3MHz	QPSK	23025	1RB#0	3000~10000	-40.16	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
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 Scan code to check authenticity



Band12	3MHz	16QAM	23025	1RB#0	0.009~0.15	-56.62	PASS
Band12	3MHz	16QAM	23025	1RB#0	0.15~30	-55.58	PASS
Band12	3MHz	16QAM	23025	1RB#0	30~1000	-43.91	PASS
Band12	3MHz	16QAM	23025	1RB#0	1000~3000	-43.93	PASS
Band12	3MHz	16QAM	23025	1RB#0	3000~10000	-40.71	PASS
Band12	3MHz	QPSK	23095	1RB#0	0.009~0.15	-58.03	PASS
Band12	3MHz	QPSK	23095	1RB#0	0.15~30	-53.38	PASS
Band12	3MHz	QPSK	23095	1RB#0	30~1000	-58.59	PASS
Band12	3MHz	QPSK	23095	1RB#0	1000~3000	-45.91	PASS
Band12	3MHz	QPSK	23095	1RB#0	3000~10000	-38.99	PASS
Band12	3MHz	16QAM	23095	1RB#0	0.009~0.15	-57.31	PASS
Band12	3MHz	16QAM	23095	1RB#0	0.15~30	-53.89	PASS
Band12	3MHz	16QAM	23095	1RB#0	30~1000	-59.97	PASS
Band12	3MHz	16QAM	23095	1RB#0	1000~3000	-46.86	PASS
Band12	3MHz	16QAM	23095	1RB#0	3000~10000	-40.47	PASS
Band12	3MHz	QPSK	23165	1RB#0	0.009~0.15	-58.43	PASS
Band12	3MHz	QPSK	23165	1RB#0	0.15~30	-53.12	PASS
Band12	3MHz	QPSK	23165	1RB#0	30~1000	-61.64	PASS
Band12	3MHz	QPSK	23165	1RB#0	1000~3000	-40.35	PASS
Band12	3MHz	QPSK	23165	1RB#0	3000~10000	-38.17	PASS
Band12	3MHz	16QAM	23165	1RB#0	0.009~0.15	-56.53	PASS
Band12	3MHz	16QAM	23165	1RB#0	0.15~30	-51.79	PASS
Band12	3MHz	16QAM	23165	1RB#0	30~1000	-61.09	PASS
Band12	3MHz	16QAM	23165	1RB#0	1000~3000	-41.08	PASS
Band12	3MHz	16QAM	23165	1RB#0	3000~10000	-39.38	PASS
Band12	5MHz	QPSK	23035	1RB#0	0.009~0.15	-58.83	PASS
Band12	5MHz	QPSK	23035	1RB#0	0.15~30	-52.92	PASS
Band12	5MHz	QPSK	23035	1RB#0	30~1000	-62.84	PASS
Band12	5MHz	QPSK	23035	1RB#0	1000~3000	-46.09	PASS
Band12	5MHz	QPSK	23035	1RB#0	3000~10000	-40.83	PASS
Band12	5MHz	16QAM	23035	1RB#0	0.009~0.15	-59.00	PASS
Band12	5MHz	16QAM	23035	1RB#0	0.15~30	-53.95	PASS
Band12	5MHz	16QAM	23035	1RB#0	30~1000	-62.88	PASS
Band12	5MHz	16QAM	23035	1RB#0	1000~3000	-45.36	PASS
Band12	5MHz	16QAM	23035	1RB#0	3000~10000	-40.38	PASS
Band12	5MHz	QPSK	23095	1RB#0	0.009~0.15	-58.08	PASS
Band12	5MHz	QPSK	23095	1RB#0	0.15~30	-51.79	PASS
Band12	5MHz	QPSK	23095	1RB#0	30~1000	-62.80	PASS
Band12	5MHz	QPSK	23095	1RB#0	1000~3000	-43.36	PASS
Band12	5MHz	QPSK	23095	1RB#0	3000~10000	-41.09	PASS



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Scan code to check authenticity



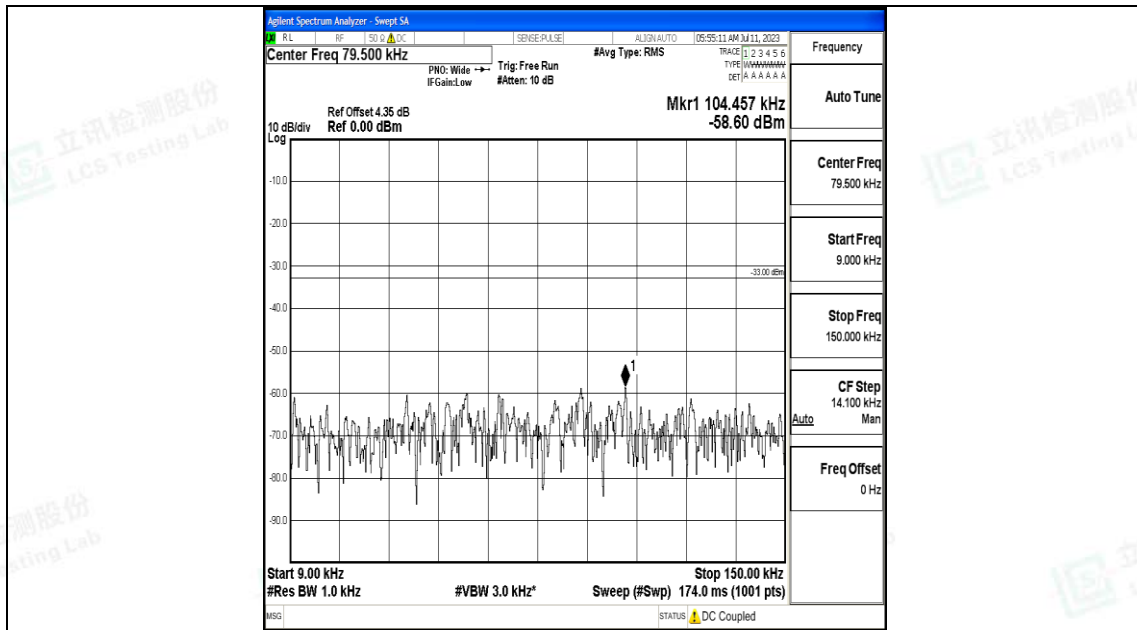
Band12	5MHz	16QAM	23095	1RB#0	0.009~0.15	-60.77	PASS
Band12	5MHz	16QAM	23095	1RB#0	0.15~30	-52.69	PASS
Band12	5MHz	16QAM	23095	1RB#0	30~1000	-62.81	PASS
Band12	5MHz	16QAM	23095	1RB#0	1000~3000	-44.82	PASS
Band12	5MHz	16QAM	23095	1RB#0	3000~10000	-40.88	PASS
Band12	5MHz	QPSK	23155	1RB#0	0.009~0.15	-59.16	PASS
Band12	5MHz	QPSK	23155	1RB#0	0.15~30	-54.61	PASS
Band12	5MHz	QPSK	23155	1RB#0	30~1000	-62.80	PASS
Band12	5MHz	QPSK	23155	1RB#0	1000~3000	-40.71	PASS
Band12	5MHz	QPSK	23155	1RB#0	3000~10000	-40.65	PASS
Band12	5MHz	16QAM	23155	1RB#0	0.009~0.15	-59.07	PASS
Band12	5MHz	16QAM	23155	1RB#0	0.15~30	-53.51	PASS
Band12	5MHz	16QAM	23155	1RB#0	30~1000	-62.82	PASS
Band12	5MHz	16QAM	23155	1RB#0	1000~3000	-42.61	PASS
Band12	5MHz	16QAM	23155	1RB#0	3000~10000	-41.36	PASS
Band12	10MHz	QPSK	23060	1RB#0	0.009~0.15	-59.39	PASS
Band12	10MHz	QPSK	23060	1RB#0	0.15~30	-52.60	PASS
Band12	10MHz	QPSK	23060	1RB#0	30~1000	-62.76	PASS
Band12	10MHz	QPSK	23060	1RB#0	1000~3000	-44.43	PASS
Band12	10MHz	QPSK	23060	1RB#0	3000~10000	-40.11	PASS
Band12	10MHz	16QAM	23060	1RB#0	0.009~0.15	-58.36	PASS
Band12	10MHz	16QAM	23060	1RB#0	0.15~30	-51.86	PASS
Band12	10MHz	16QAM	23060	1RB#0	30~1000	-62.71	PASS
Band12	10MHz	16QAM	23060	1RB#0	1000~3000	-45.39	PASS
Band12	10MHz	16QAM	23060	1RB#0	3000~10000	-40.35	PASS
Band12	10MHz	QPSK	23095	1RB#0	0.009~0.15	-55.42	PASS
Band12	10MHz	QPSK	23095	1RB#0	0.15~30	-53.87	PASS
Band12	10MHz	QPSK	23095	1RB#0	30~1000	-62.87	PASS
Band12	10MHz	QPSK	23095	1RB#0	1000~3000	-43.14	PASS
Band12	10MHz	QPSK	23095	1RB#0	3000~10000	-38.71	PASS
Band12	10MHz	16QAM	23095	1RB#0	0.009~0.15	-59.56	PASS
Band12	10MHz	16QAM	23095	1RB#0	0.15~30	-53.77	PASS
Band12	10MHz	16QAM	23095	1RB#0	30~1000	-62.80	PASS
Band12	10MHz	16QAM	23095	1RB#0	1000~3000	-44.85	PASS
Band12	10MHz	16QAM	23095	1RB#0	3000~10000	-43.17	PASS
Band12	10MHz	QPSK	23130	1RB#0	0.009~0.15	-59.06	PASS
Band12	10MHz	QPSK	23130	1RB#0	0.15~30	-52.31	PASS
Band12	10MHz	QPSK	23130	1RB#0	30~1000	-62.65	PASS
Band12	10MHz	QPSK	23130	1RB#0	1000~3000	-45.68	PASS
Band12	10MHz	QPSK	23130	1RB#0	3000~10000	-40.29	PASS



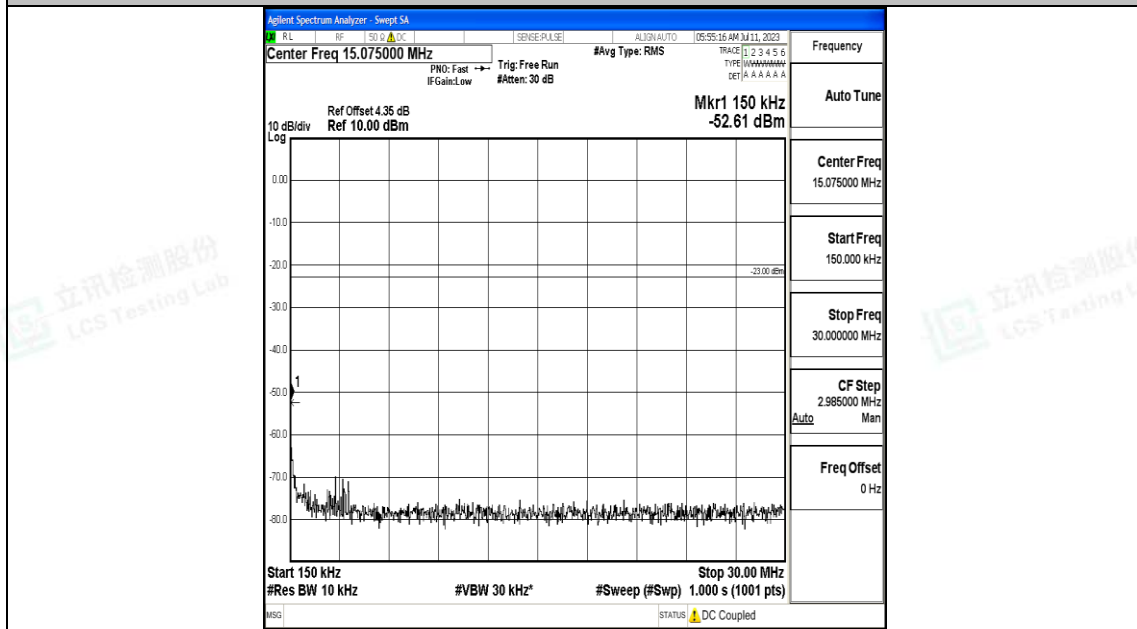


Band12	10MHz	16QAM	23130	1RB#0	0.009~0.15	-57.81	PASS
Band12	10MHz	16QAM	23130	1RB#0	0.15~30	-53.38	PASS
Band12	10MHz	16QAM	23130	1RB#0	30~1000	-62.86	PASS
Band12	10MHz	16QAM	23130	1RB#0	1000~3000	-45.90	PASS
Band12	10MHz	16QAM	23130	1RB#0	3000~10000	-40.27	PASS

Test Graphs

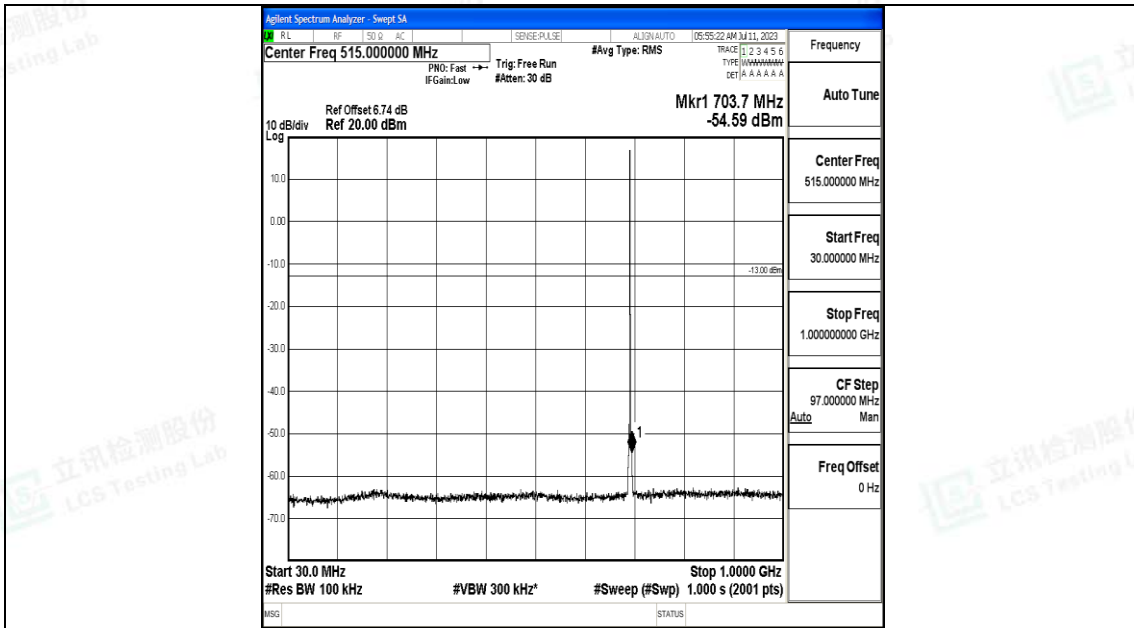


Band12_1.4MHz_QPSK_23017_1RB#0_0.009~0.15_0.009~0.15

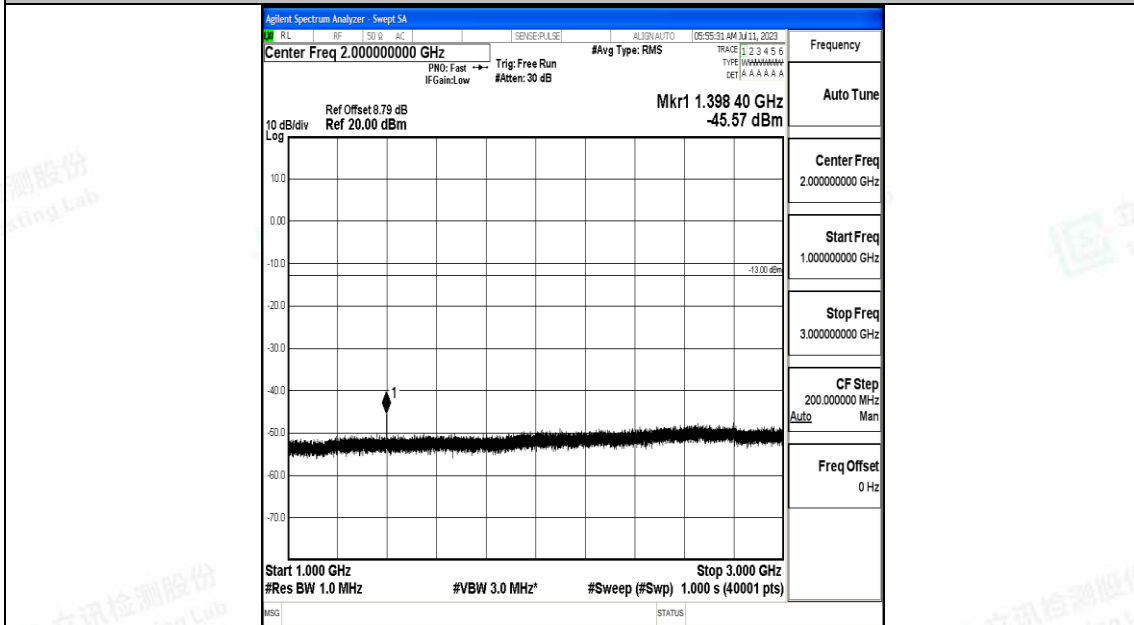


Band12_1.4MHz_QPSK_23017_1RB#0_0.15~30_0.15~30



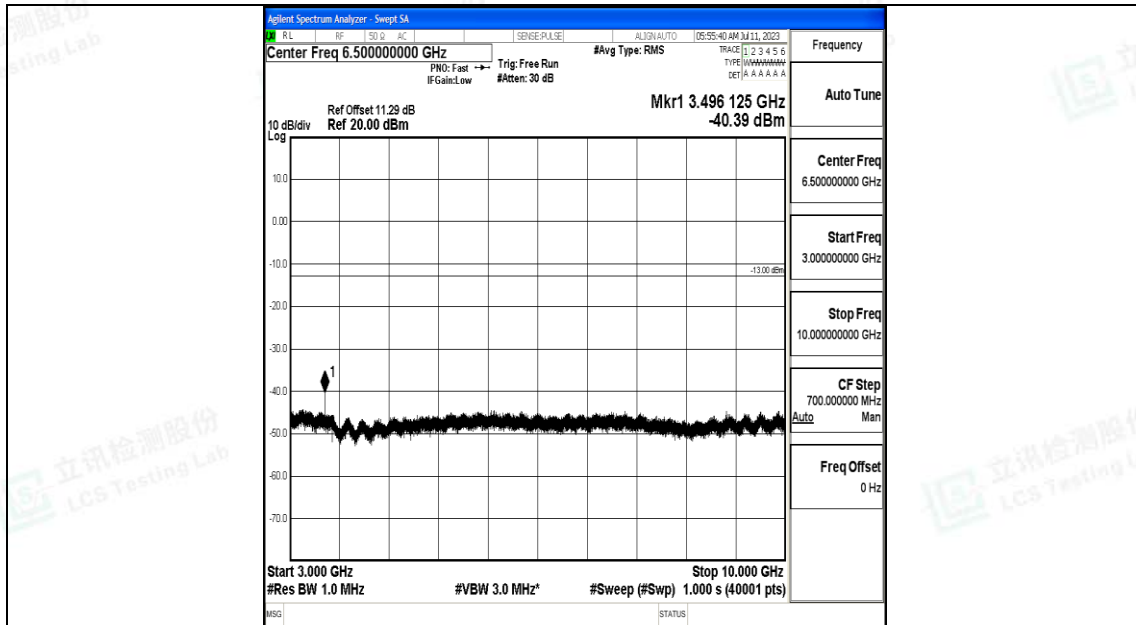


Band12_1.4MHz_QPSK_23017_1RB#0_30~1000_30~1000

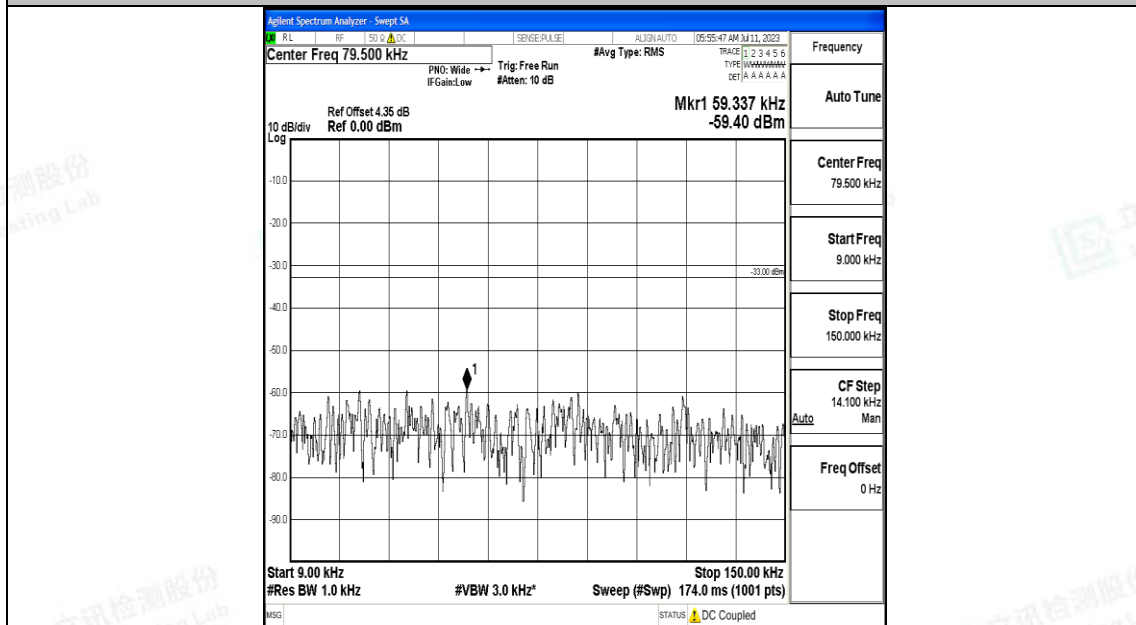


Band12_1.4MHz_QPSK_23017_1RB#0_1000~3000_1000~3000



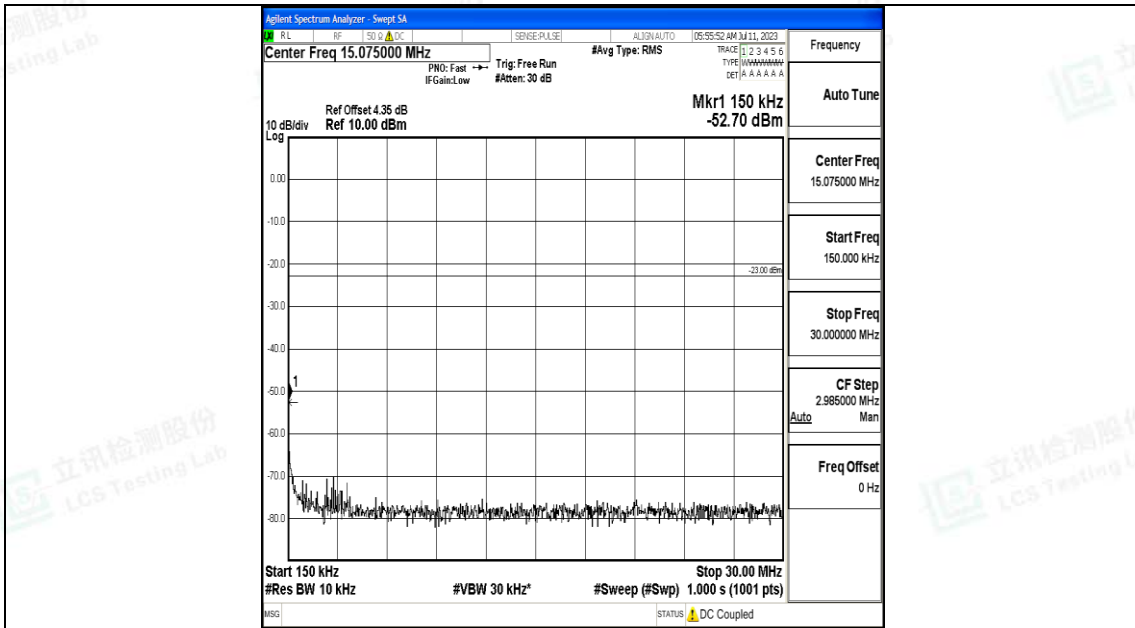


Band12_1.4MHz_QPSK_23017_1RB#0_3000~10000_3000~10000

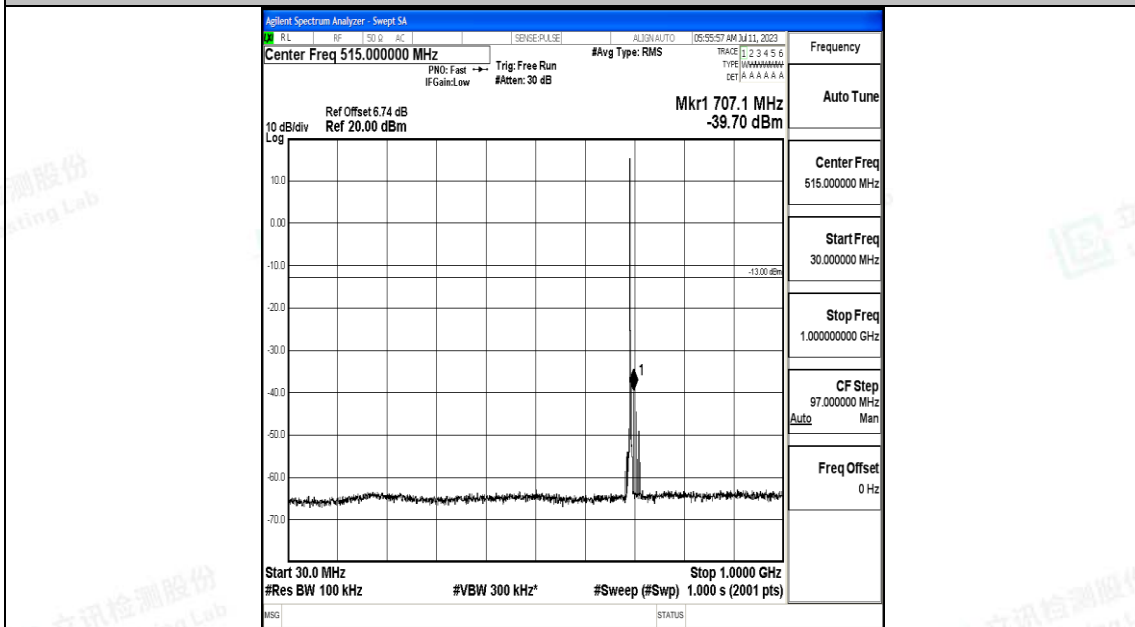


Band12_1.4MHz_16QAM_23017_1RB#0_0.009~0.15_0.009~0.15



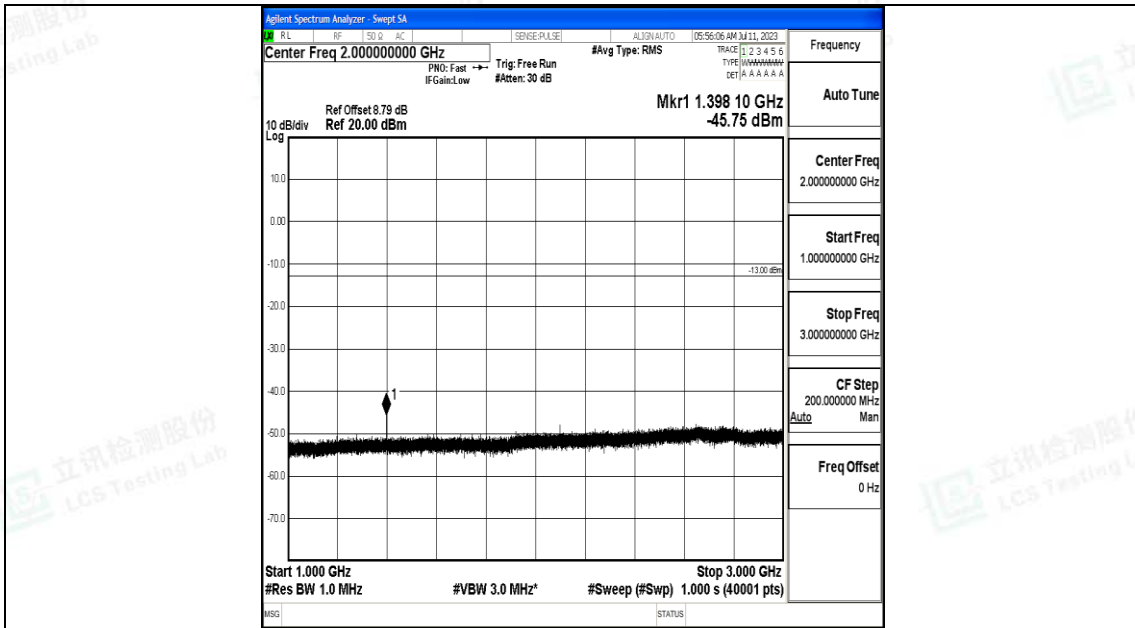


Band12_1.4MHz_16QAM_23017_1RB#0_0.15~30_0.15~30

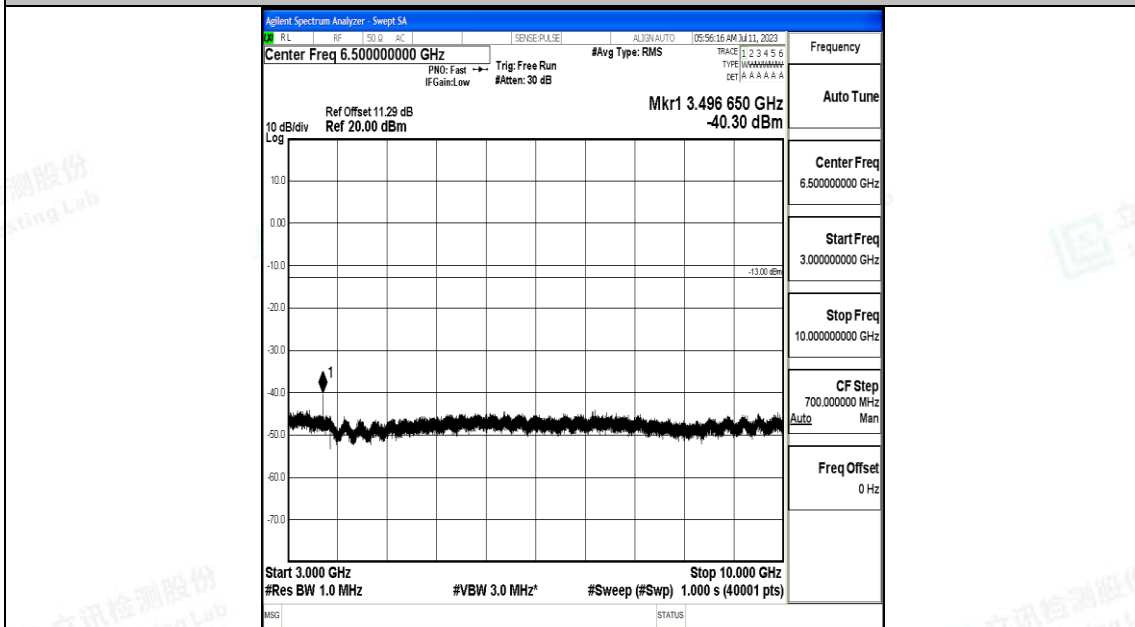


Band12_1.4MHz_16QAM_23017_1RB#0_30~1000_30~1000



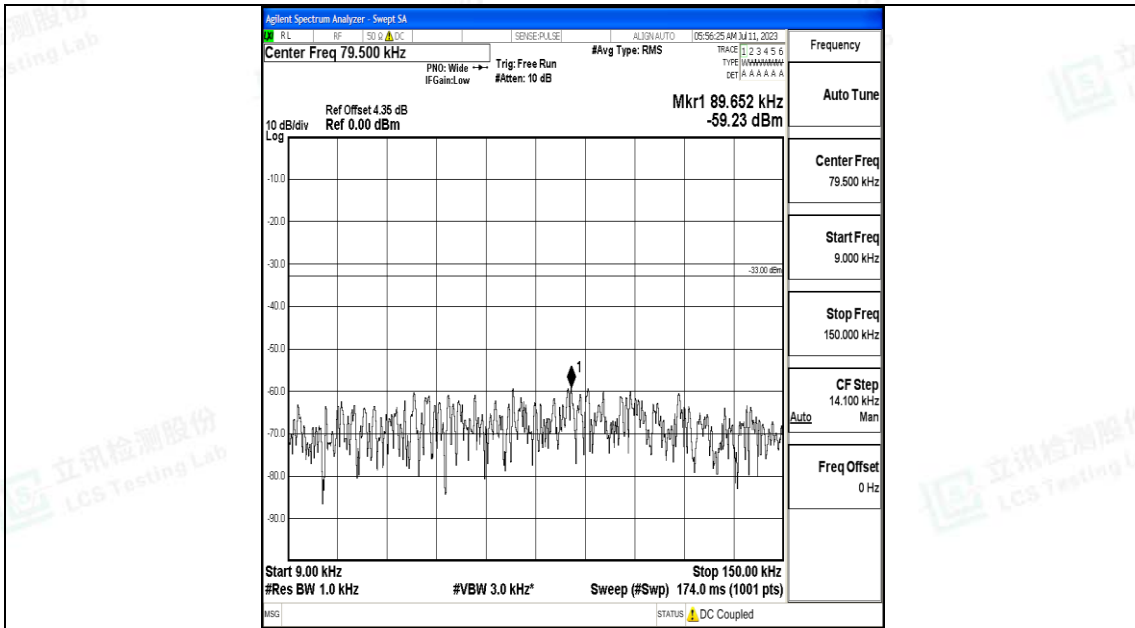


Band12_1.4MHz_16QAM_23017_1RB#0_1000~3000_1000~3000

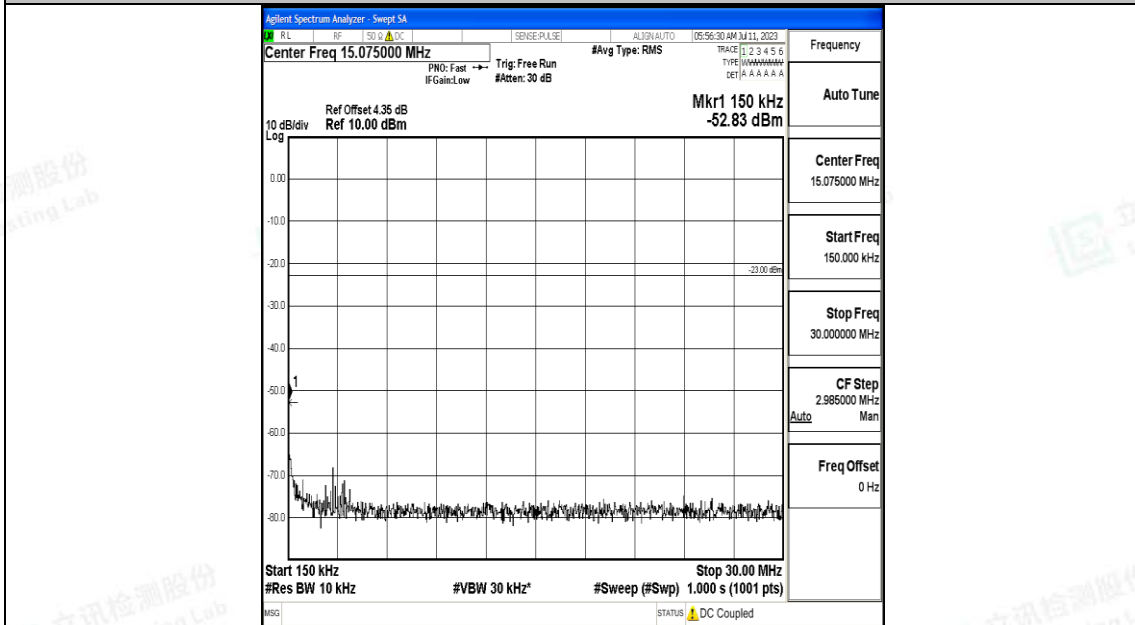


Band12_1.4MHz_16QAM_23017_1RB#0_3000~10000_3000~10000



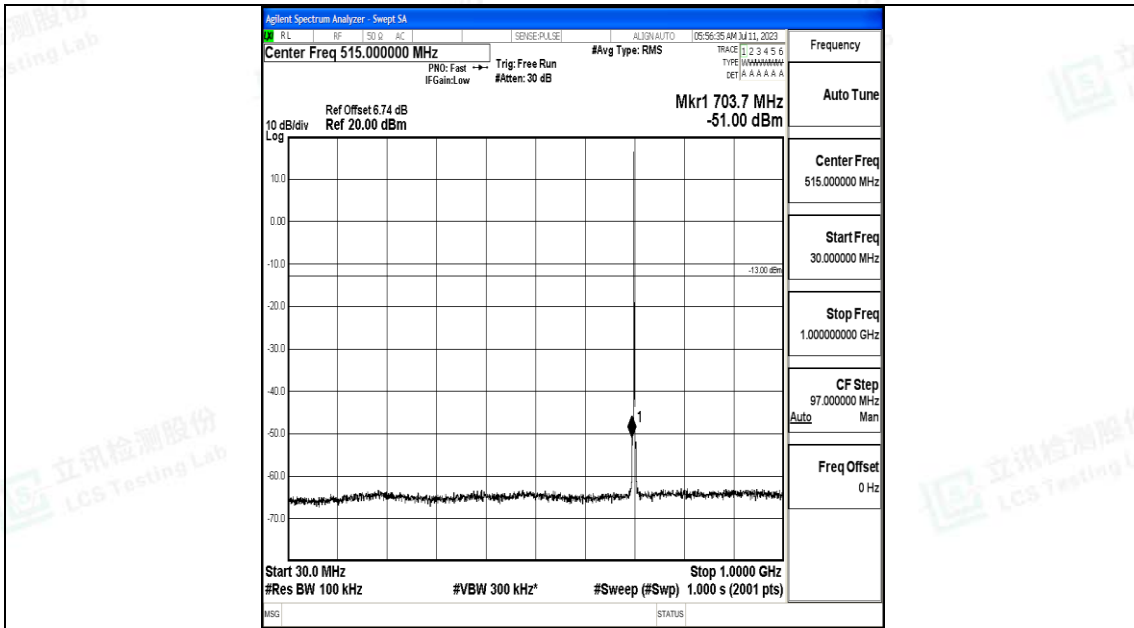


Band12_1.4MHz_QPSK_23095_1RB#0_0.009~0.15_0.009~0.15

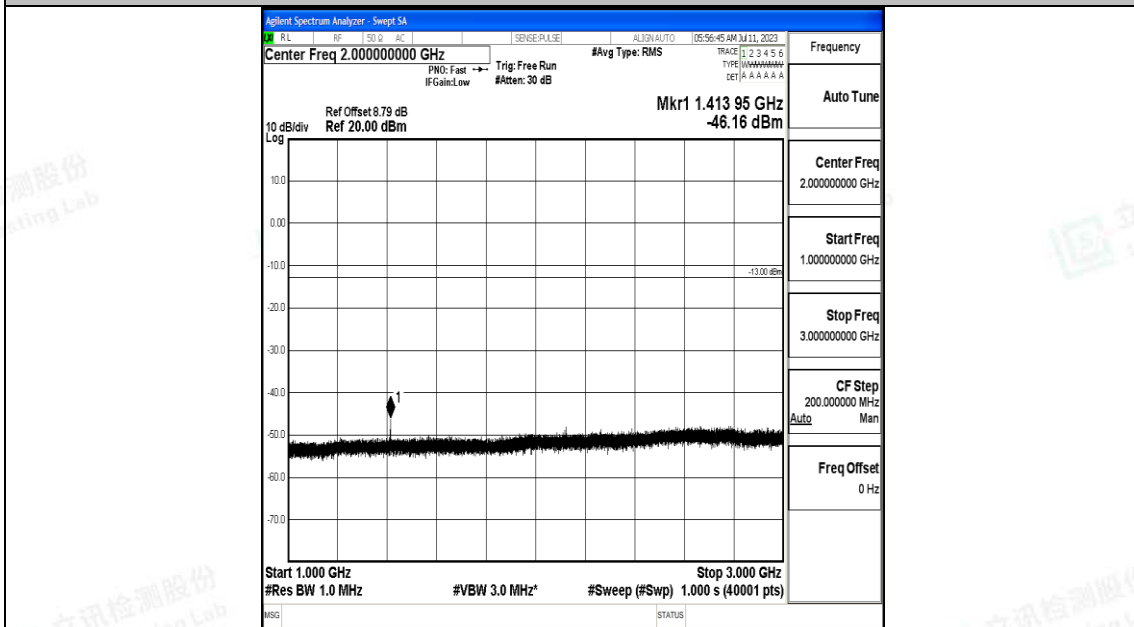


Band12_1.4MHz_QPSK_23095_1RB#0_0.15~30_0.15~30



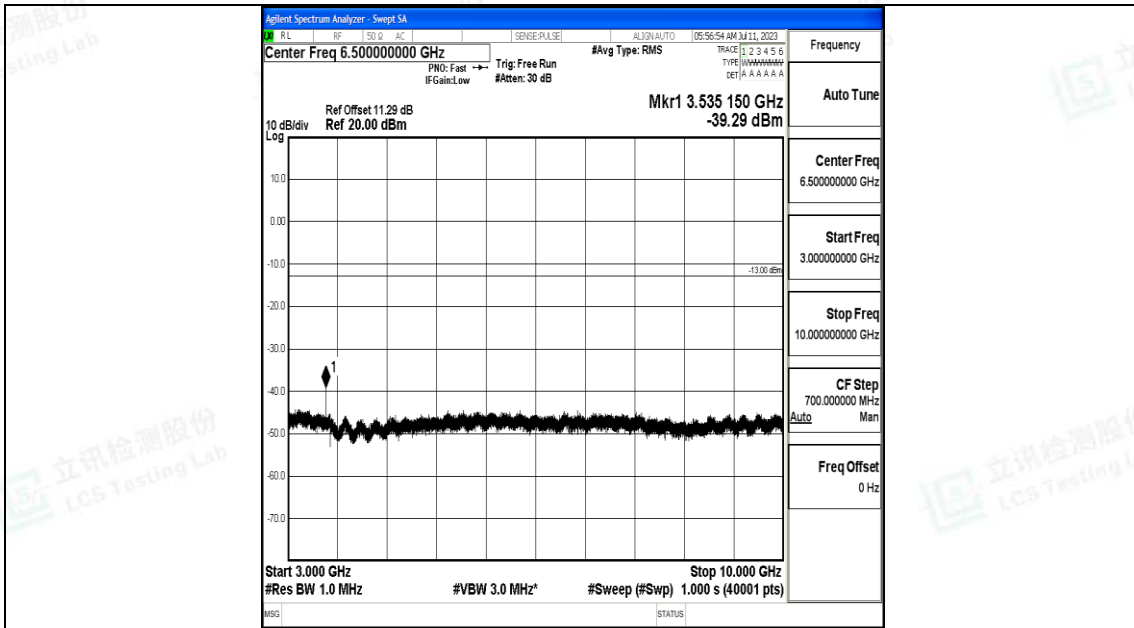


Band12_1.4MHz_QPSK_23095_1RB#0_30~1000_30~1000

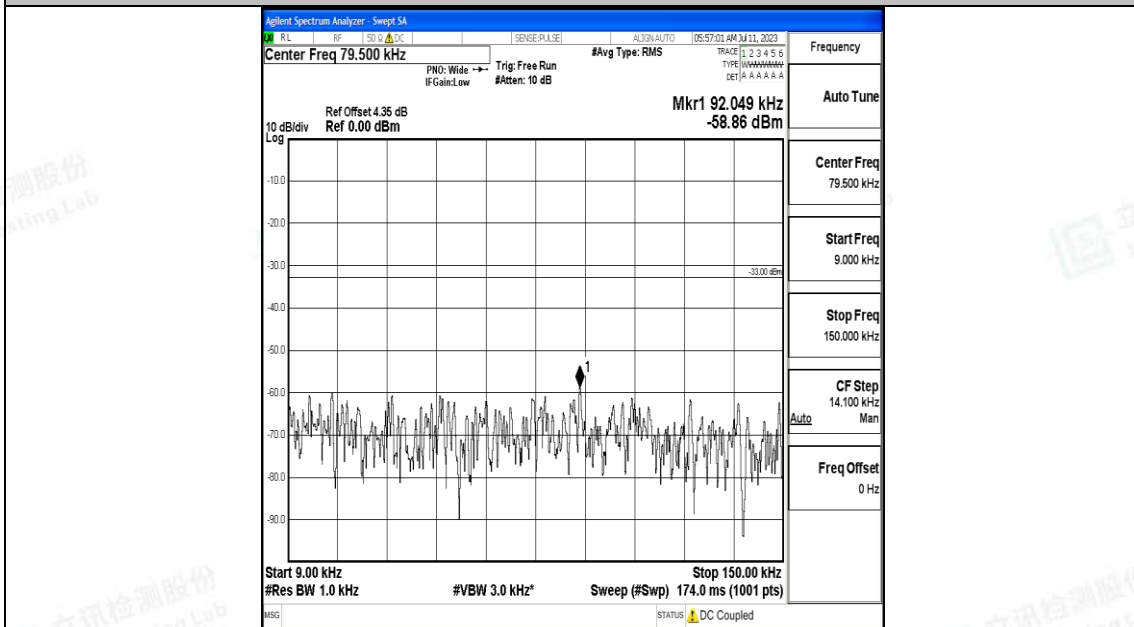


Band12_1.4MHz_QPSK_23095_1RB#0_1000~3000_1000~3000



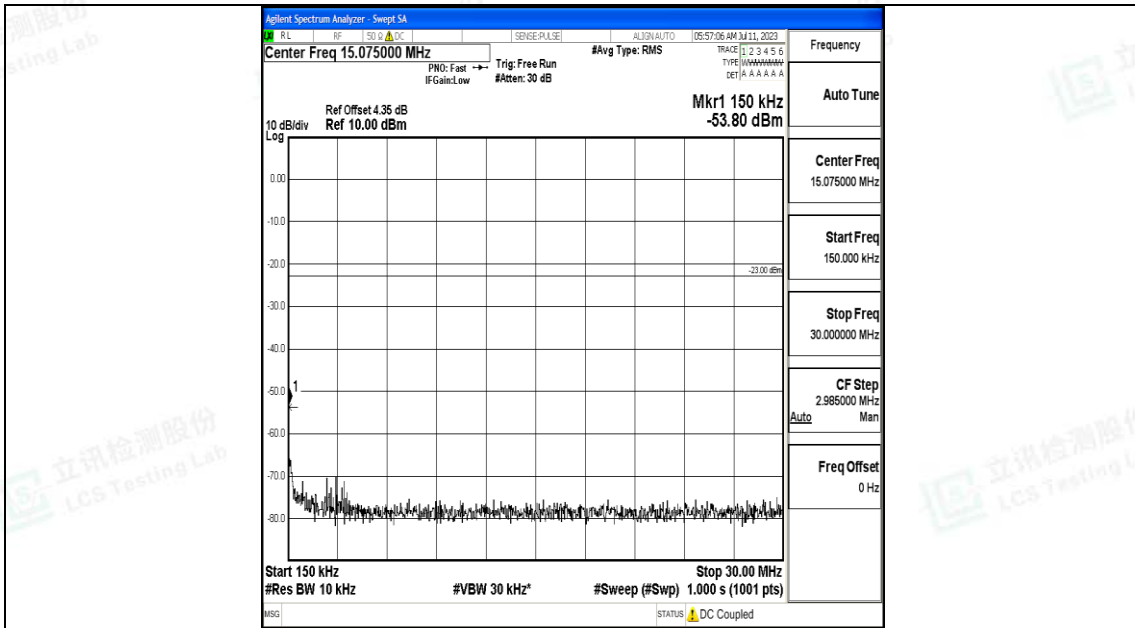


Band12_1.4MHz_QPSK_23095_1RB#0_3000~10000_3000~10000

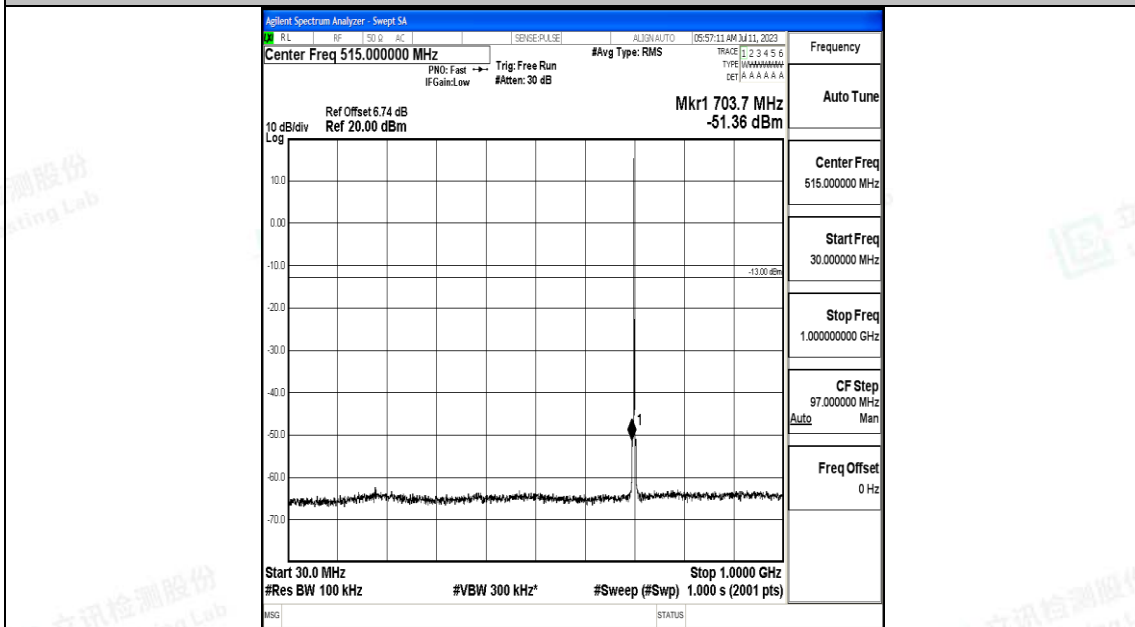


Band12_1.4MHz_16QAM_23095_1RB#0_0.009~0.15_0.009~0.15



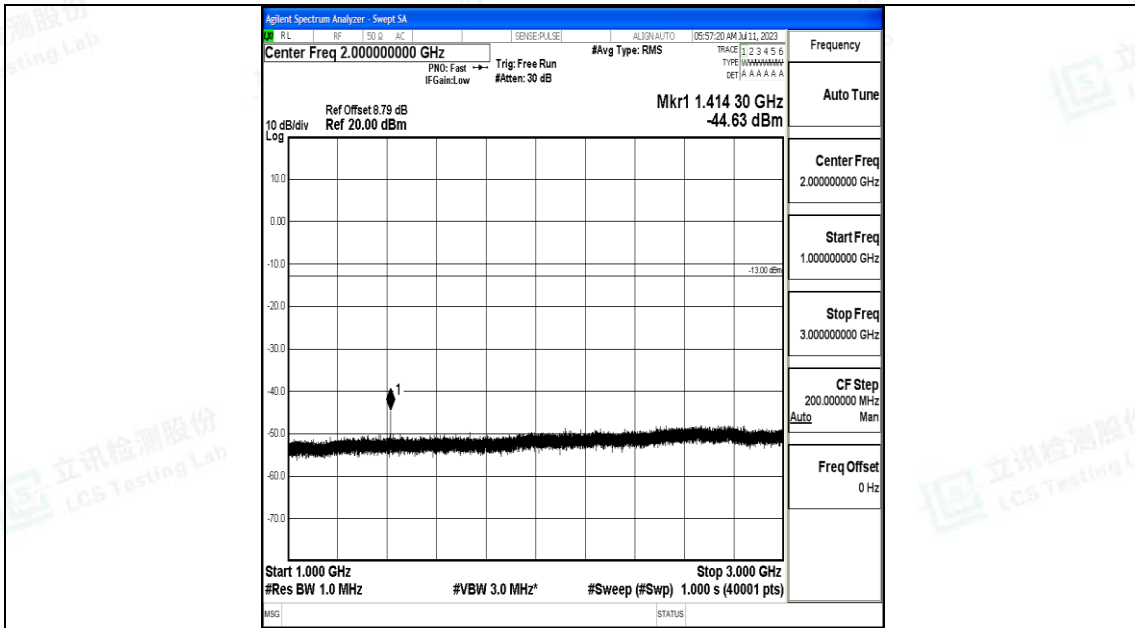


Band12_1.4MHz_16QAM_23095_1RB#0_0.15~30_0.15~30

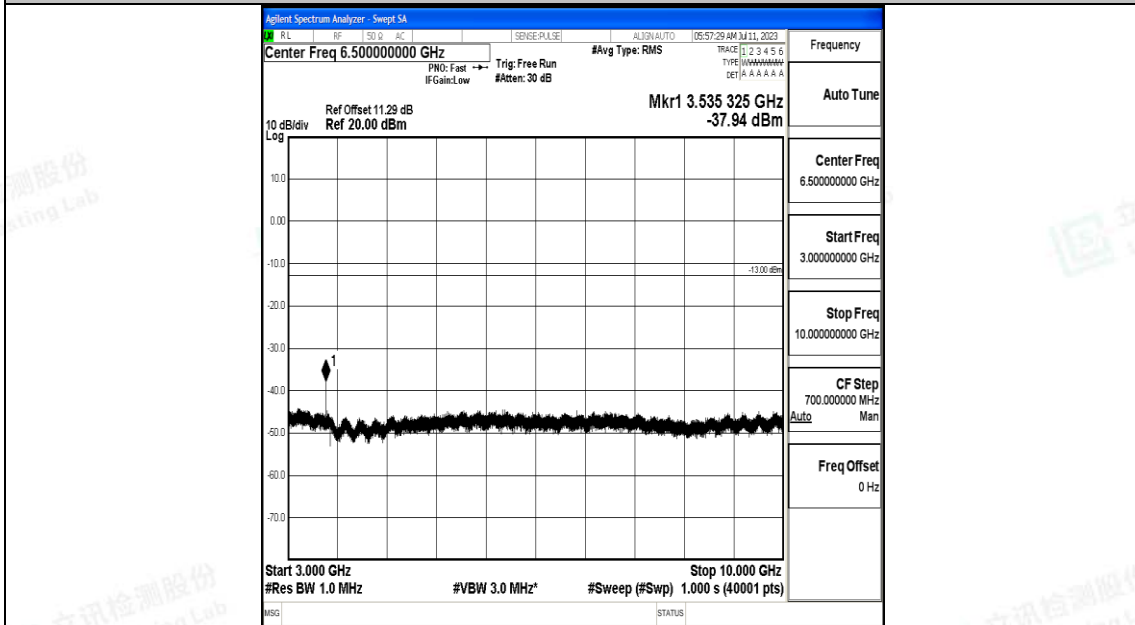


Band12_1.4MHz_16QAM_23095_1RB#0_30~1000_30~1000



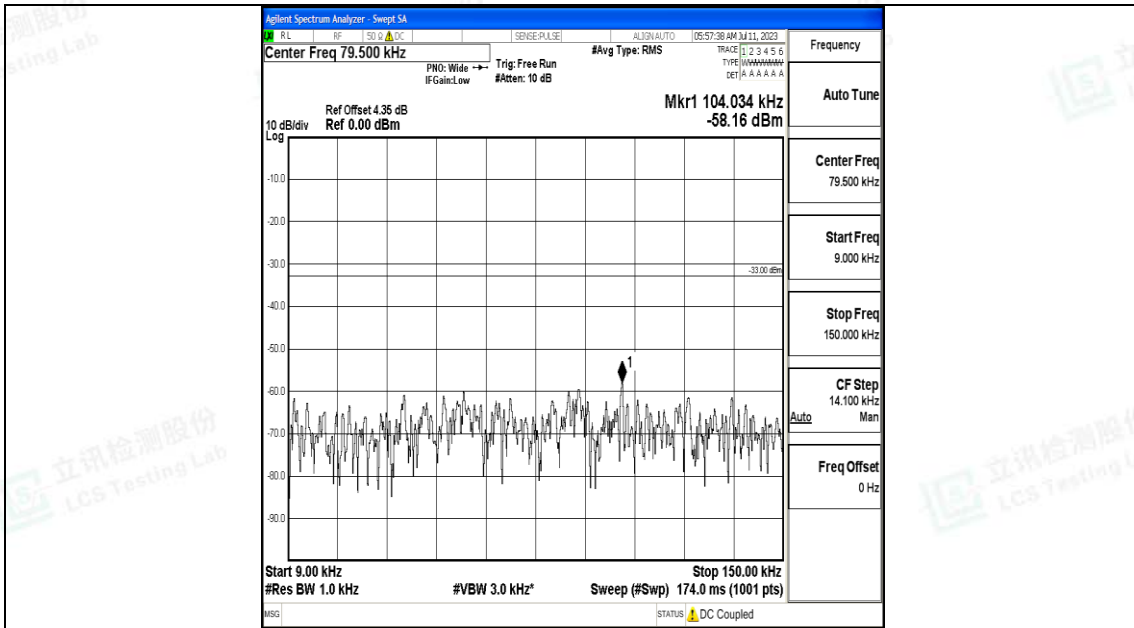


Band12_1.4MHz_16QAM_23095_1RB#0_1000~3000_1000~3000

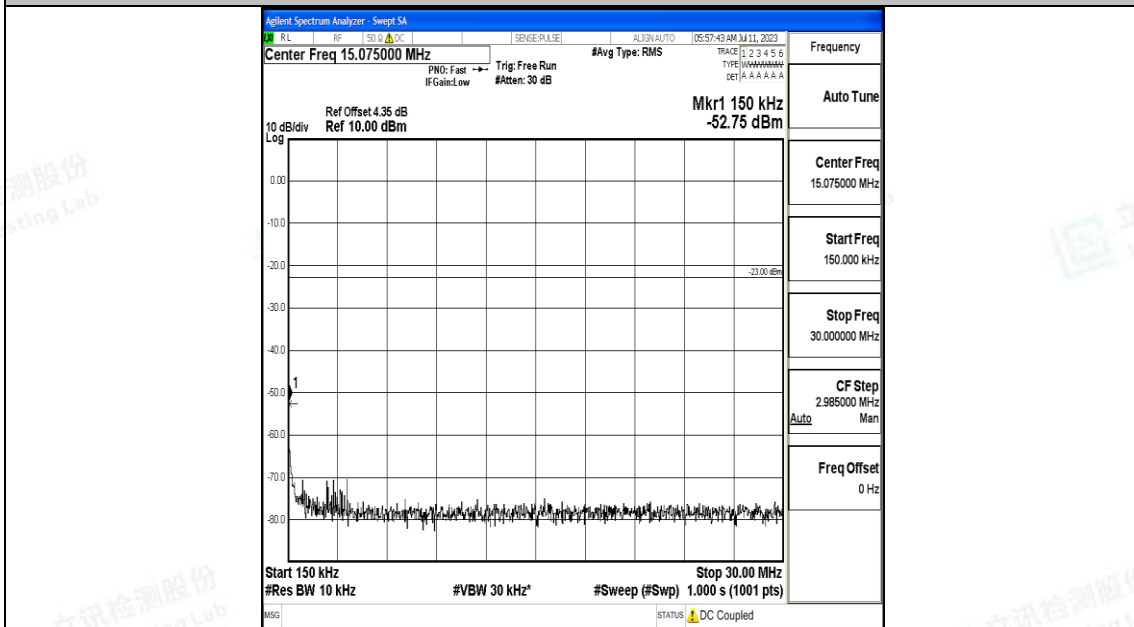


Band12_1.4MHz_16QAM_23095_1RB#0_3000~10000_3000~10000



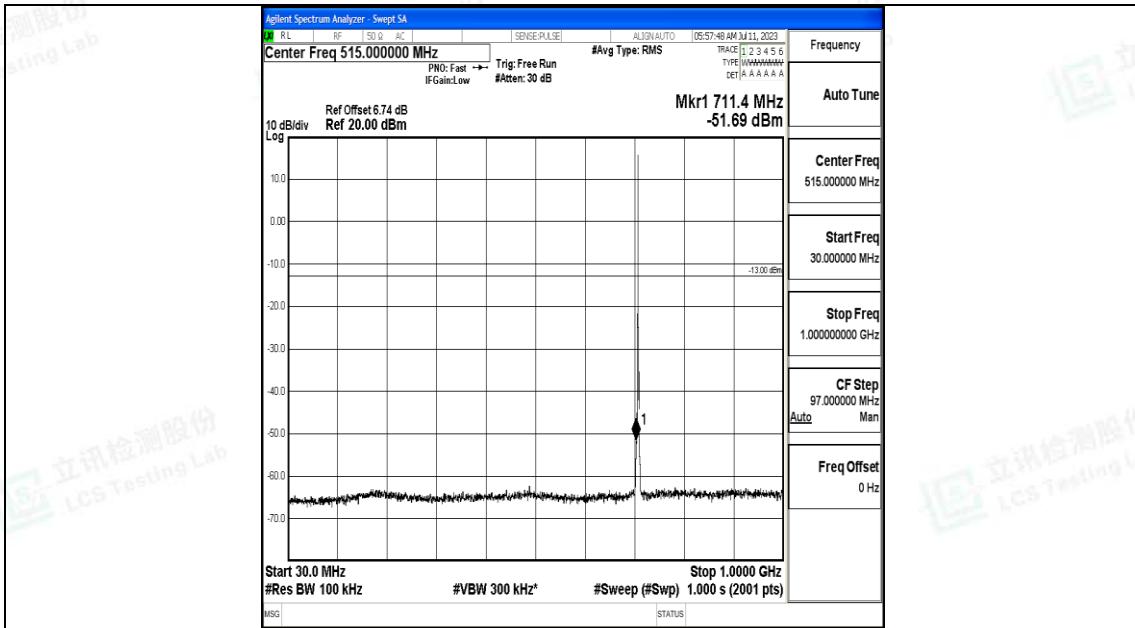


Band12_1.4MHz_QPSK_23173_1RB#0_0.009~0.15_0.009~0.15

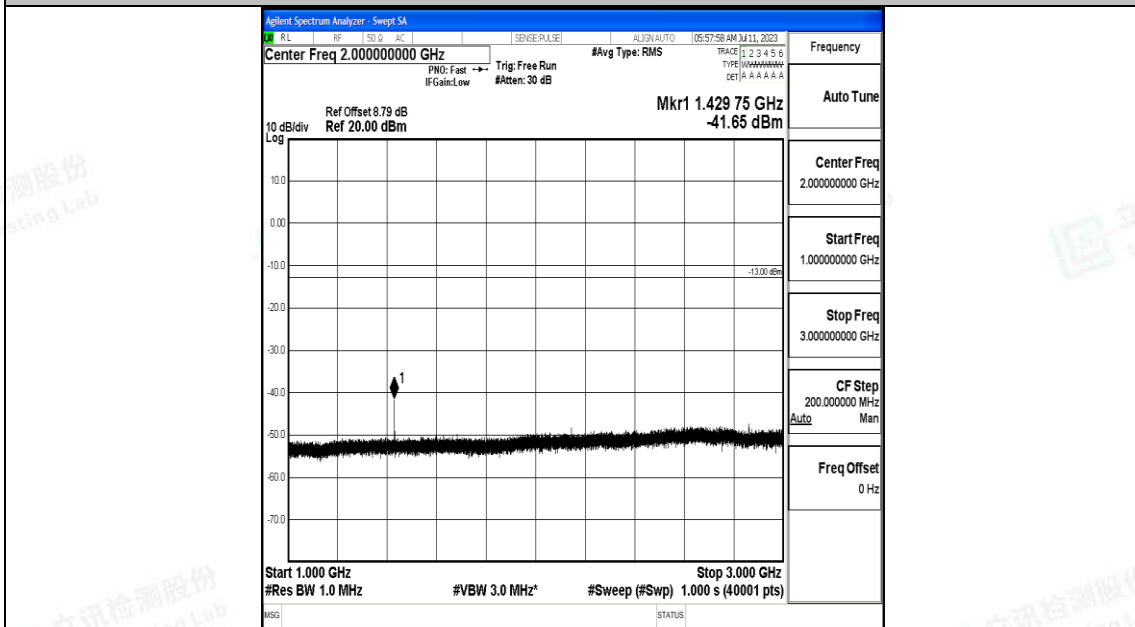


Band12_1.4MHz_QPSK_23173_1RB#0_0.15~30_0.15~30



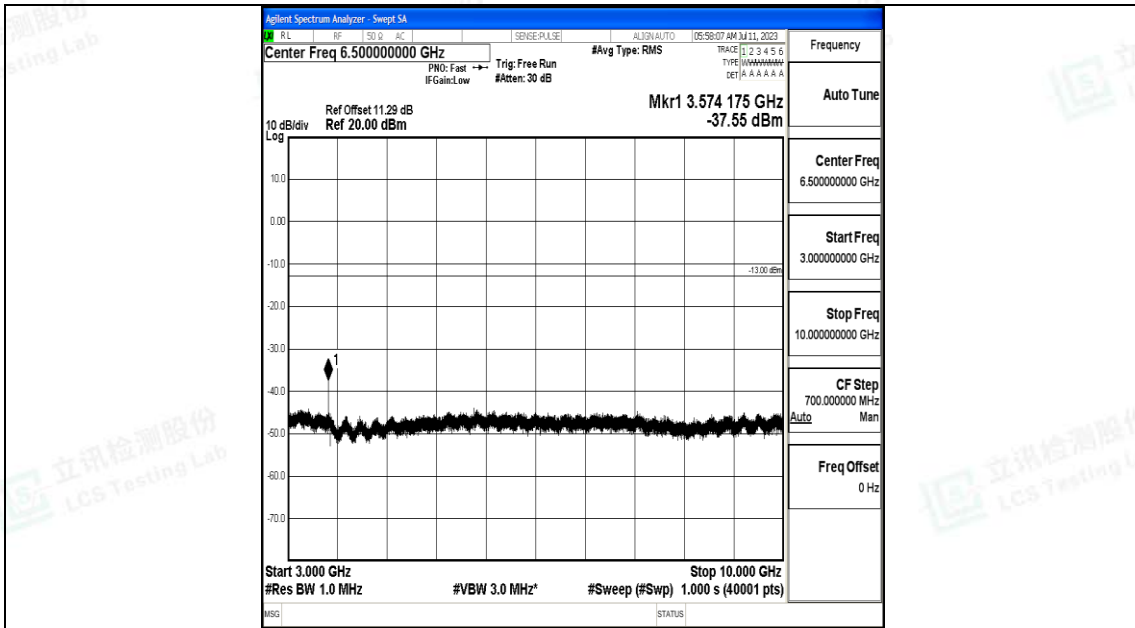


Band12_1.4MHz_QPSK_23173_1RB#0_30~1000_30~1000

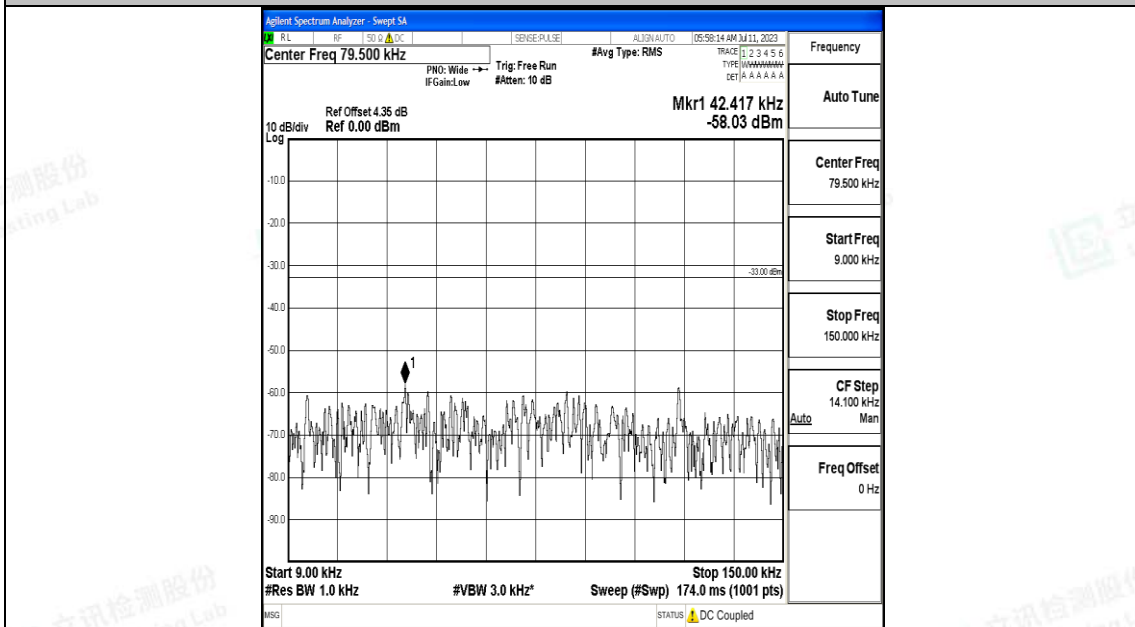


Band12_1.4MHz_QPSK_23173_1RB#0_1000~3000_1000~3000



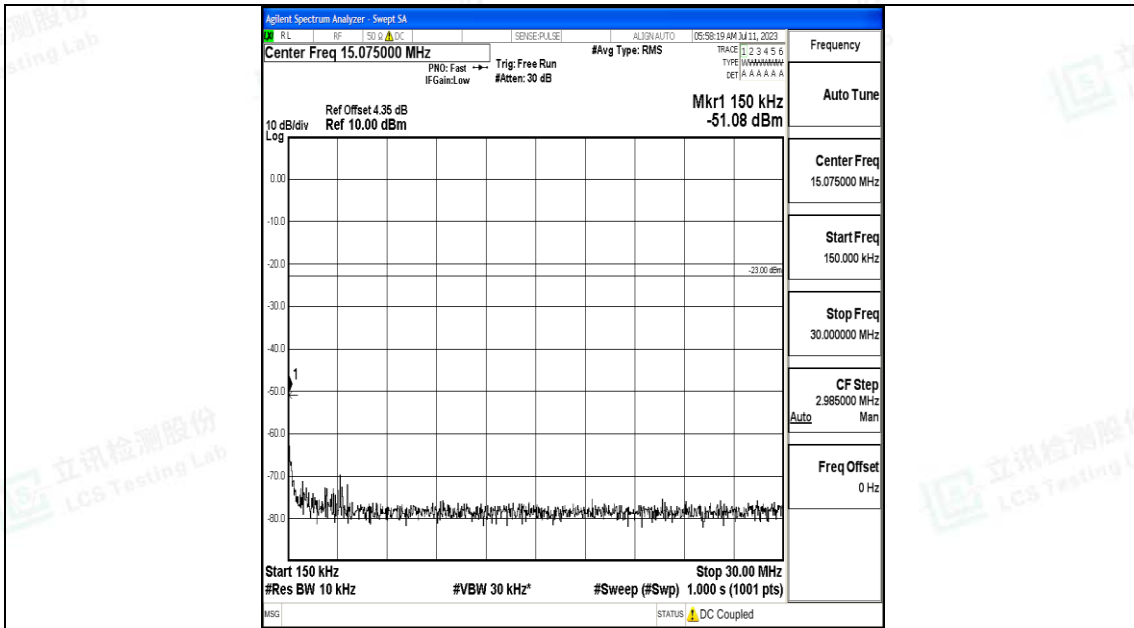


Band12_1.4MHz_QPSK_23173_1RB#0_3000~10000_3000~10000

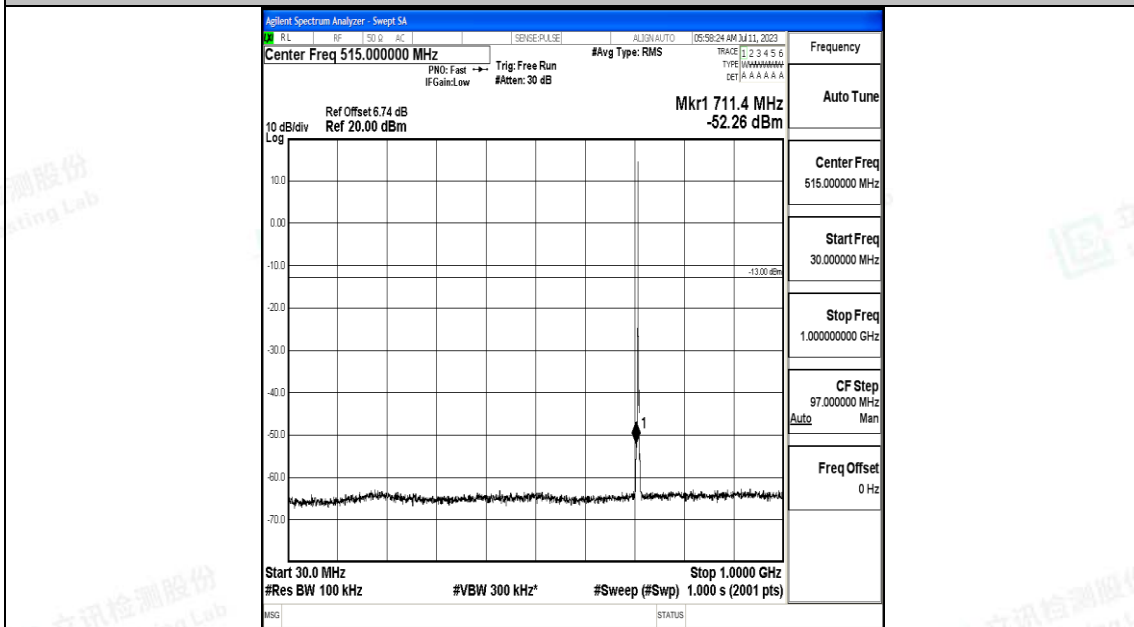


Band12_1.4MHz_16QAM_23173_1RB#0_0.009~0.15_0.009~0.15



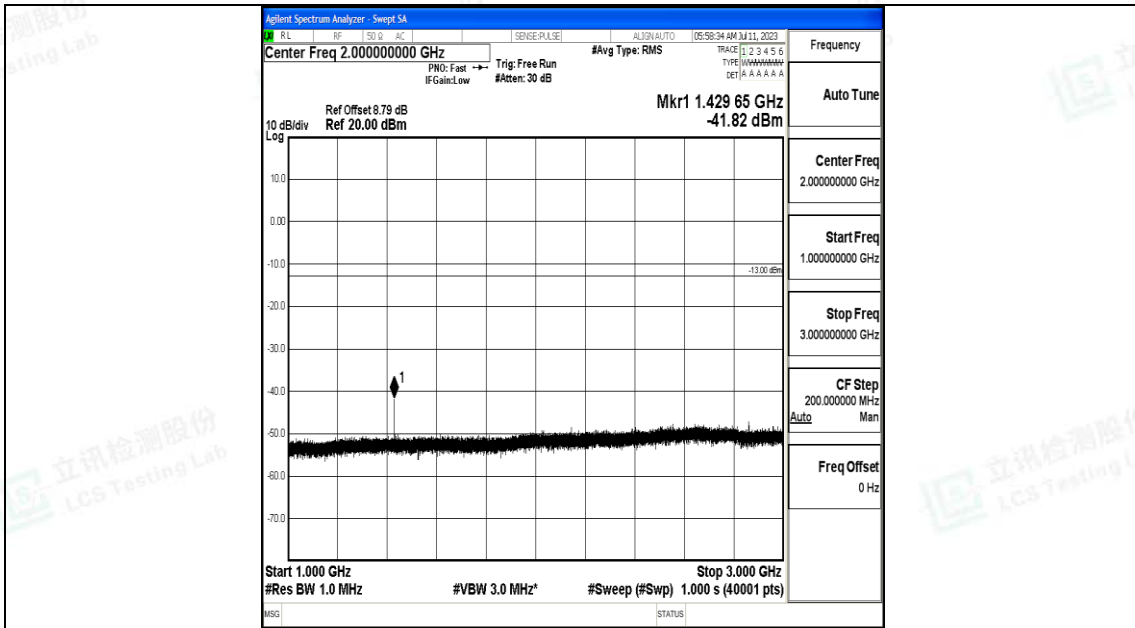


Band12_1.4MHz_16QAM_23173_1RB#0_0.15~30_0.15~30

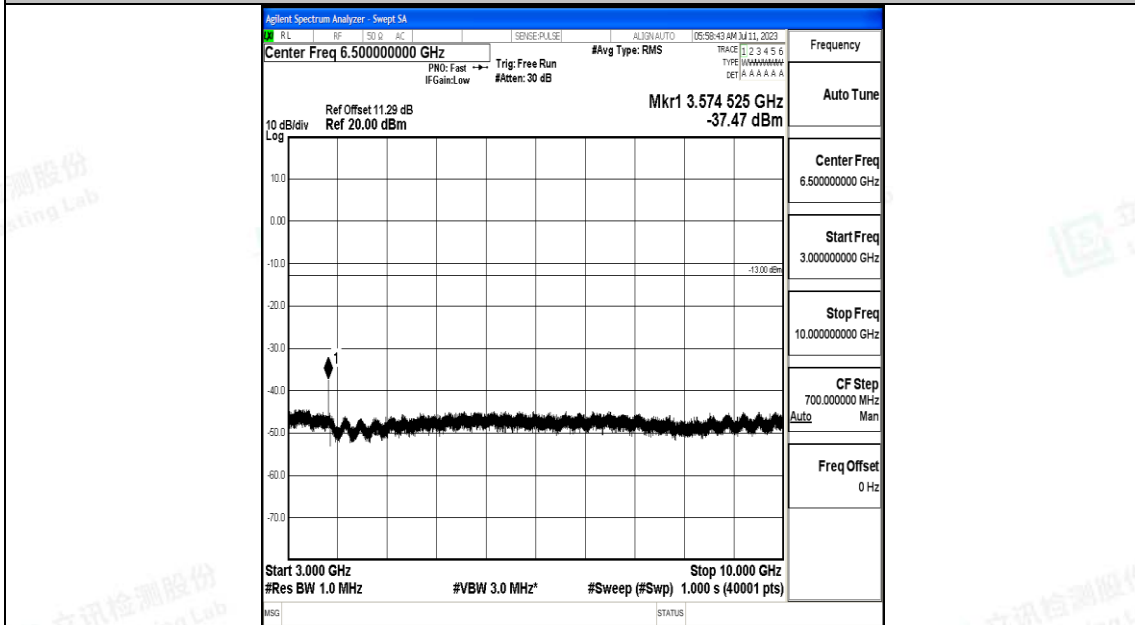


Band12_1.4MHz_16QAM_23173_1RB#0_30~1000_30~1000



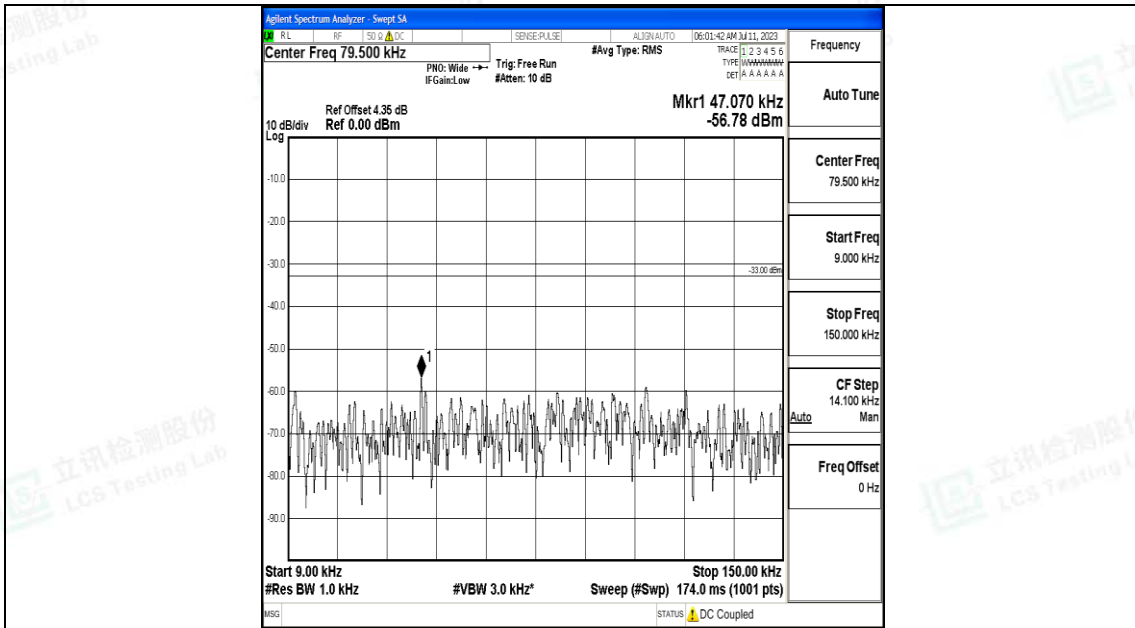


Band12_1.4MHz_16QAM_23173_1RB#0_1000~3000_1000~3000

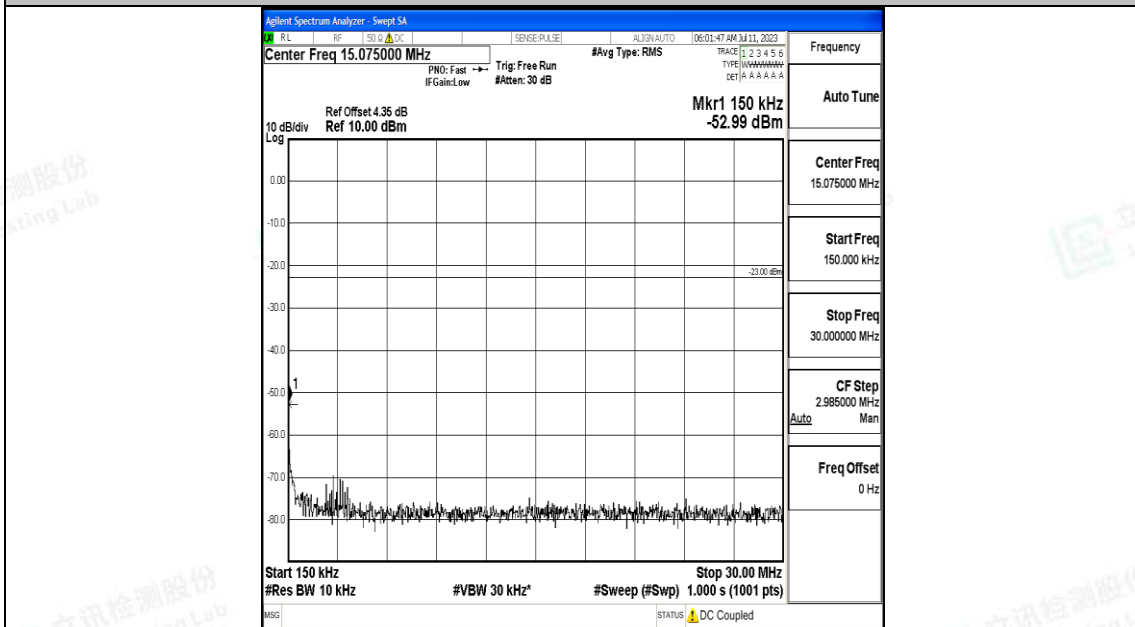


Band12_1.4MHz_16QAM_23173_1RB#0_3000~10000_3000~10000



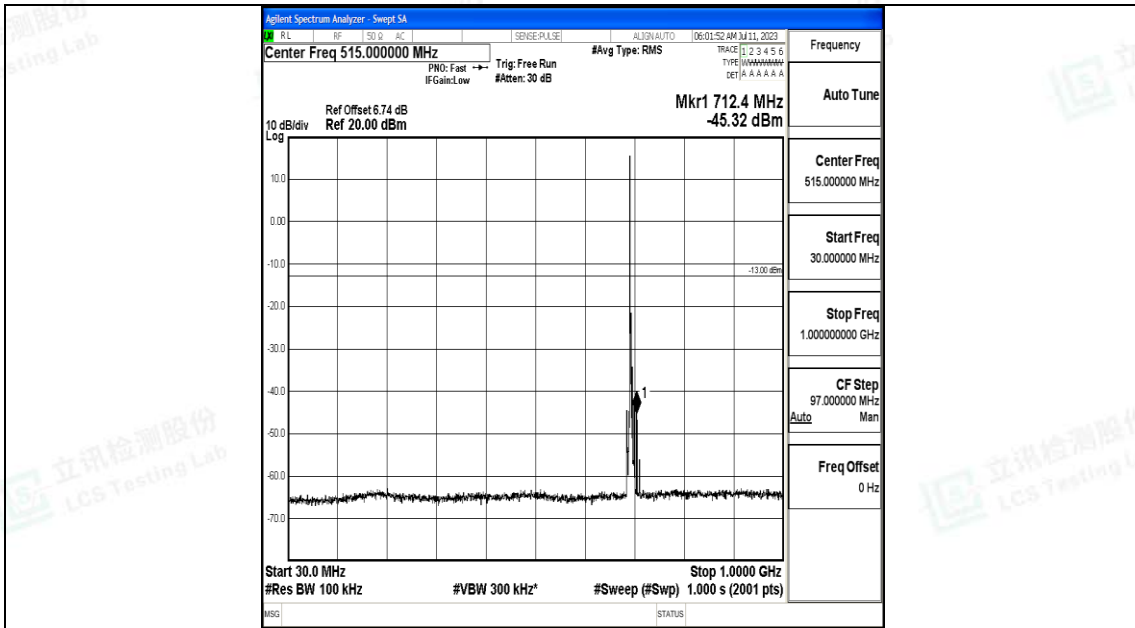


Band12_3MHz_QPSK_23025_1RB#0_0.009~0.15_0.009~0.15

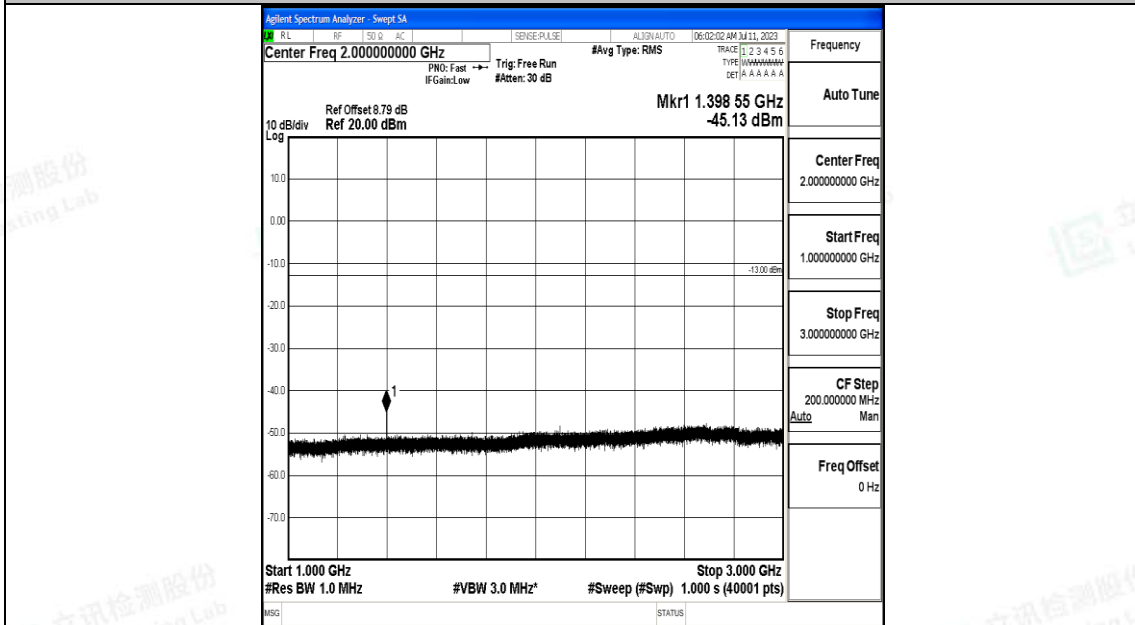


Band12_3MHz_QPSK_23025_1RB#0_0.15~30_0.15~30



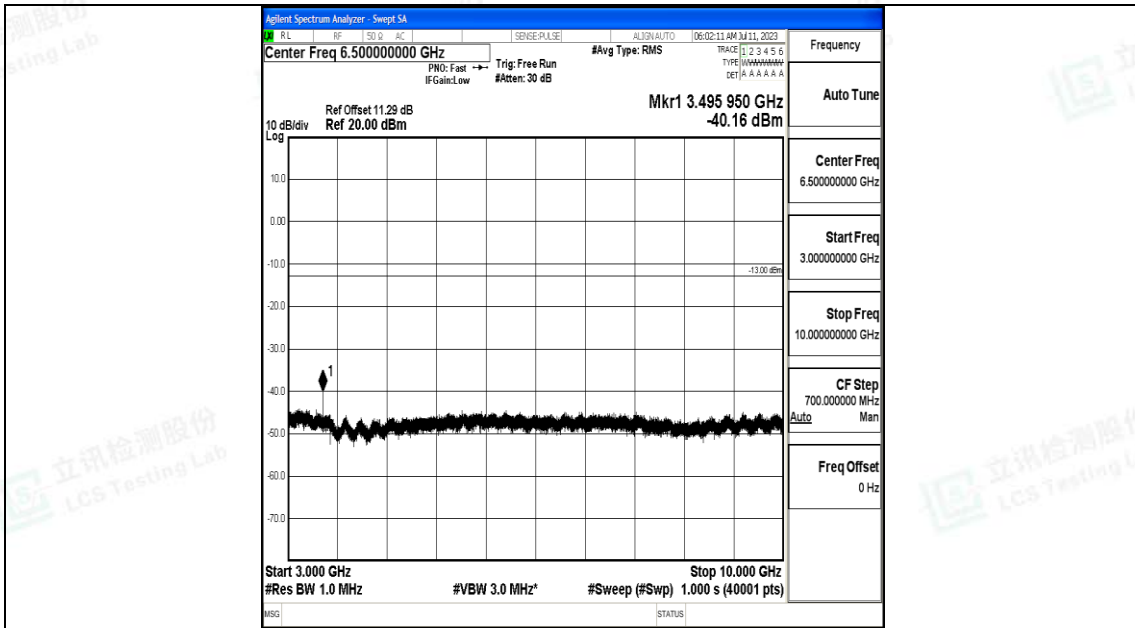


Band12_3MHz_QPSK_23025_1RB#0_30~1000_30~1000

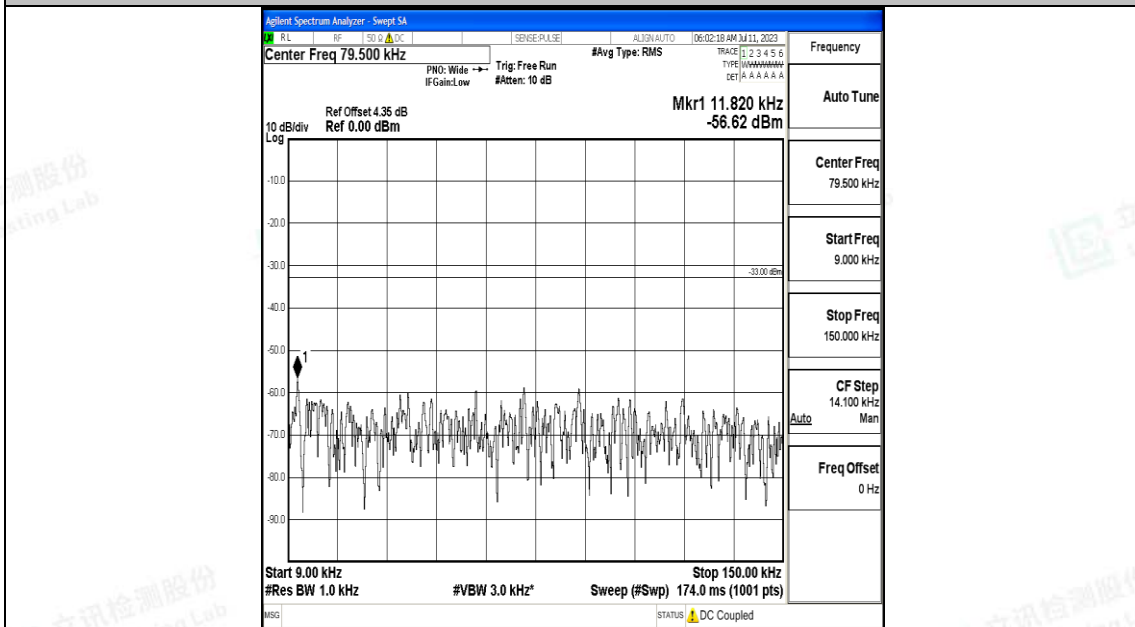


Band12_3MHz_QPSK_23025_1RB#0_1000~3000_1000~3000



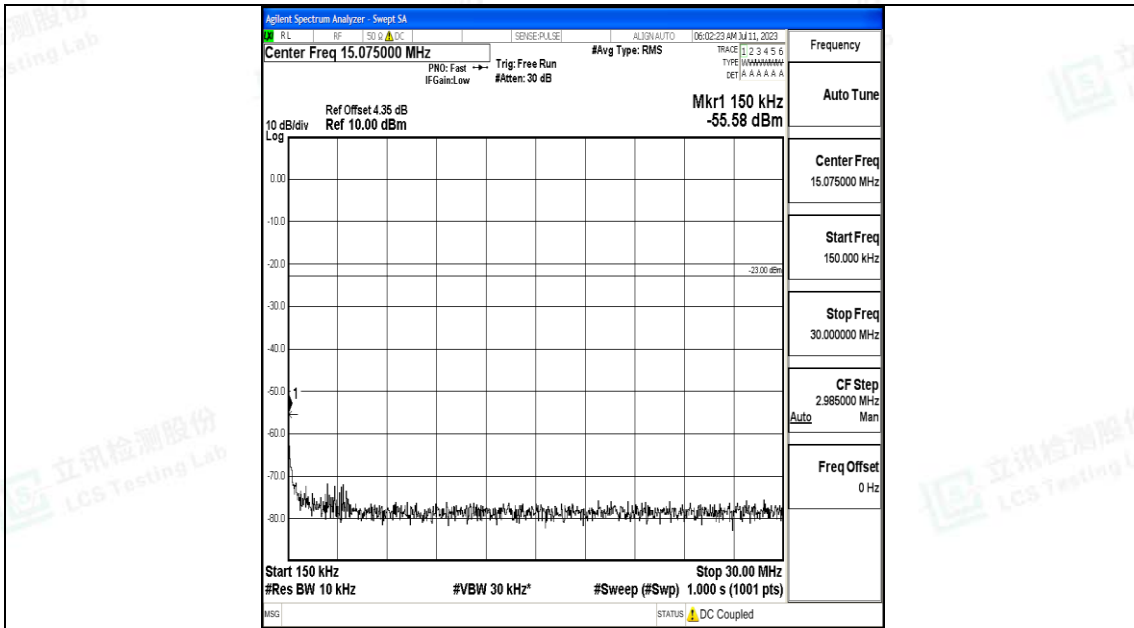


Band12_3MHz_QPSK_23025_1RB#0_3000~10000_3000~10000

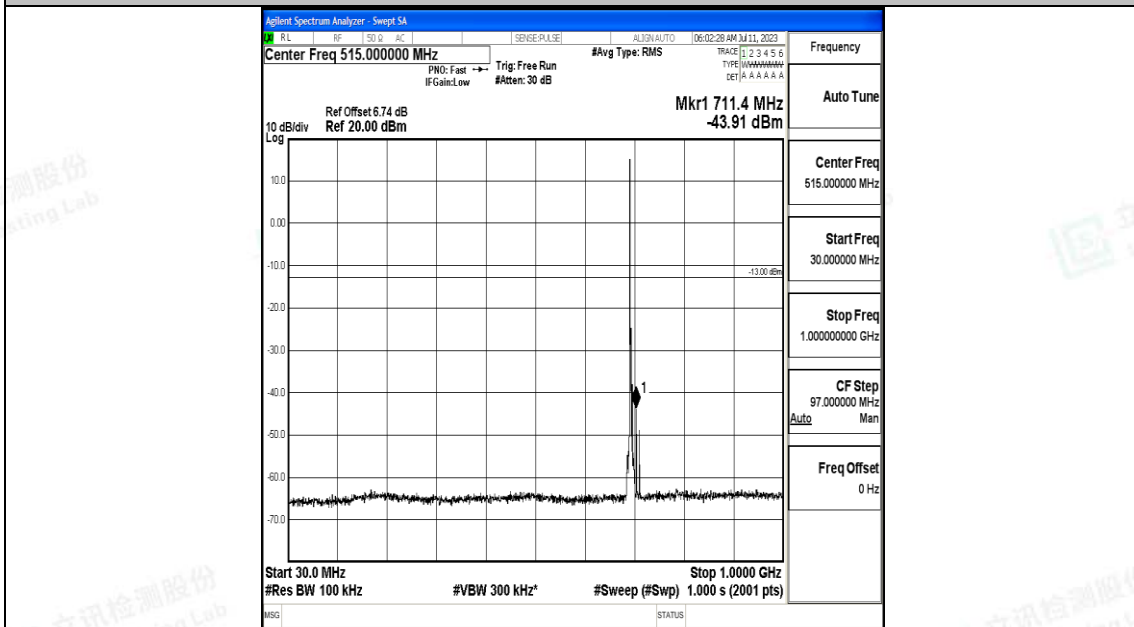


Band12_3MHz_16QAM_23025_1RB#0_0.009~0.15_0.009~0.15



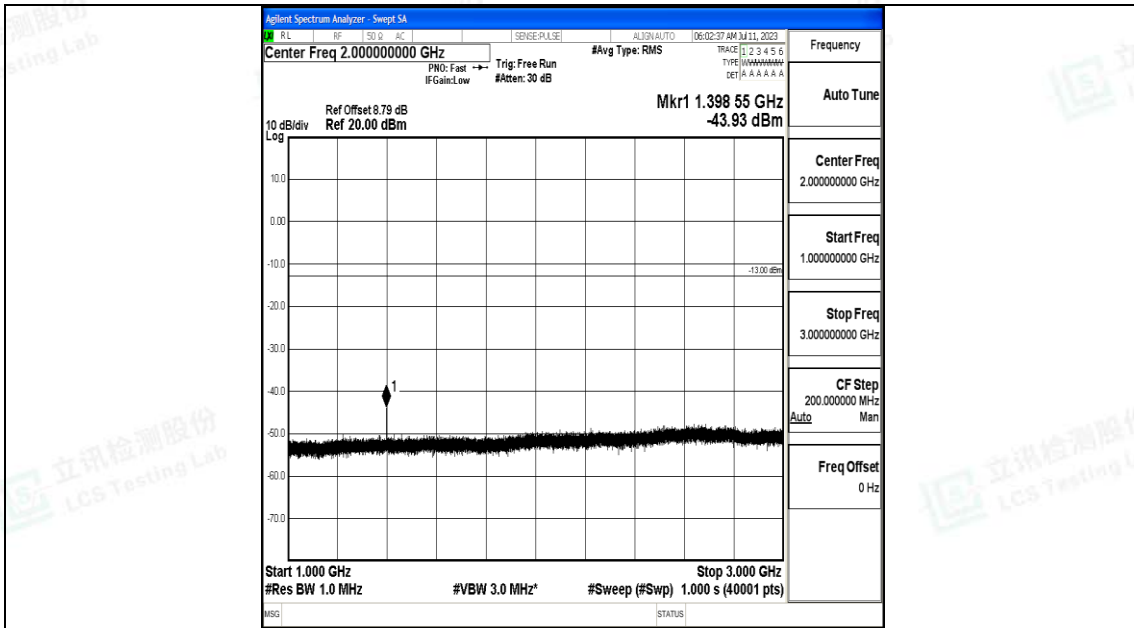


Band12_3MHz_16QAM_23025_1RB#0_0.15~30_0.15~30

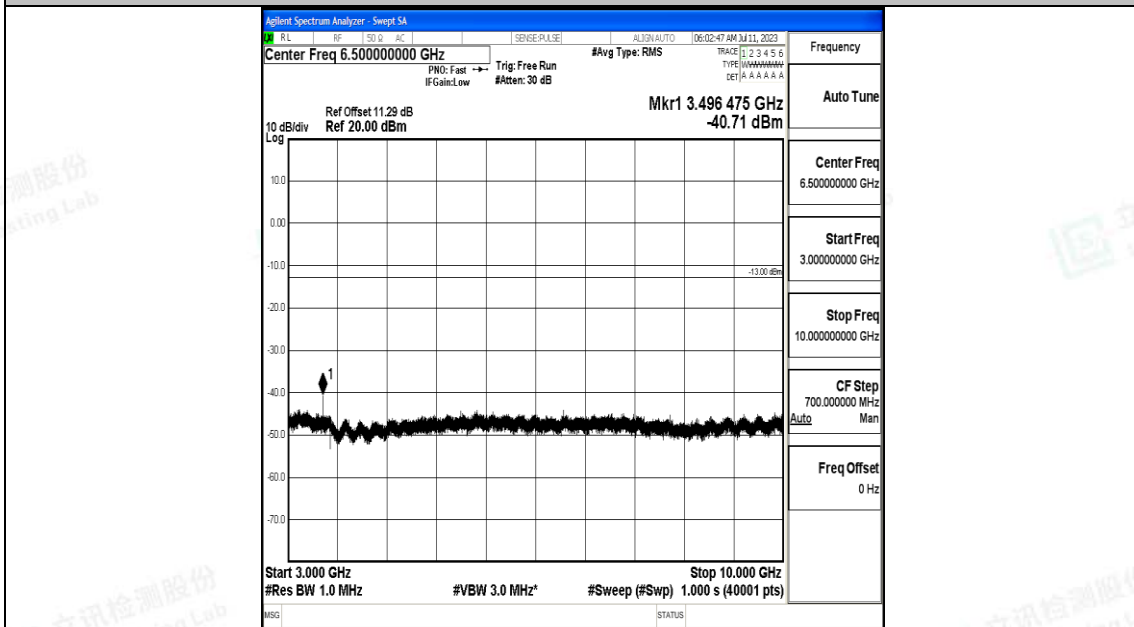


Band12_3MHz_16QAM_23025_1RB#0_30~1000_30~1000



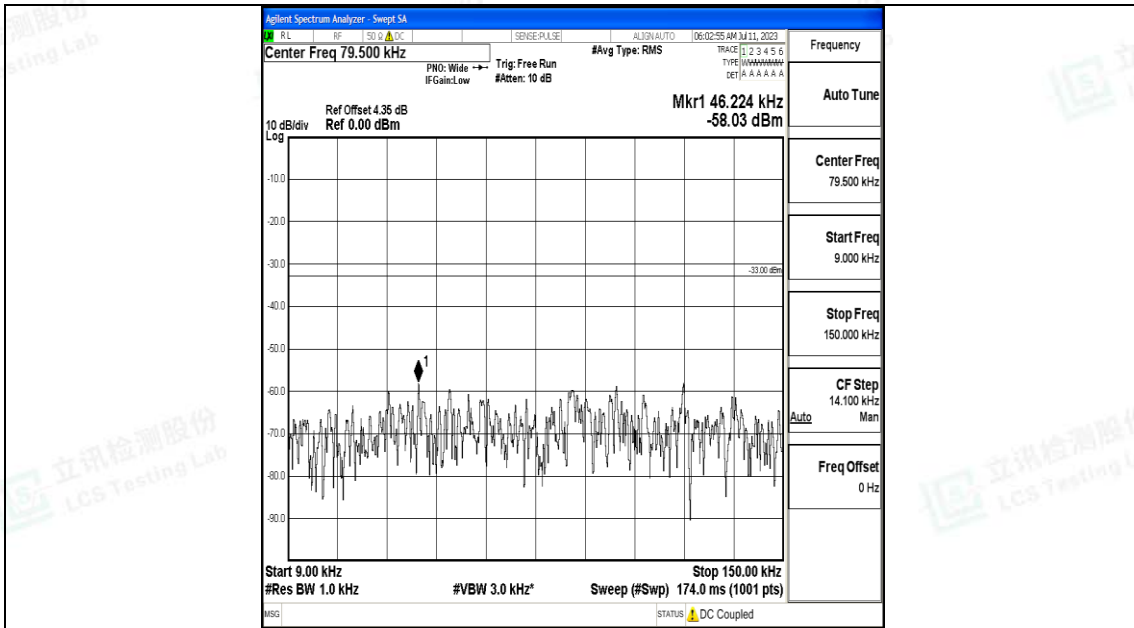


Band12_3MHz_16QAM_23025_1RB#0_1000~3000_1000~3000

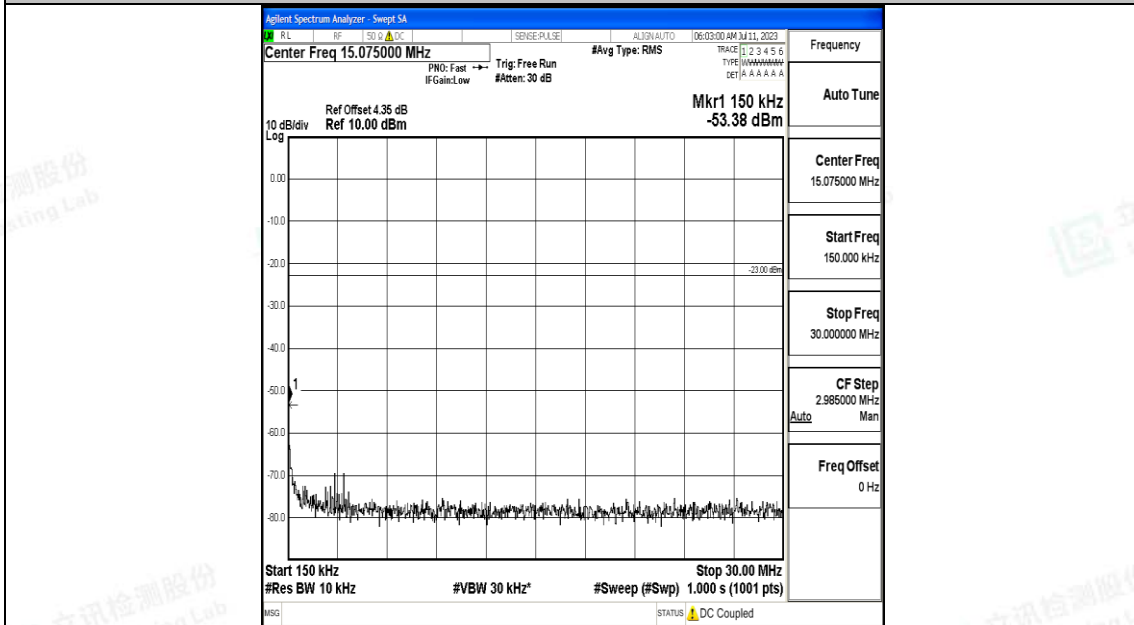


Band12_3MHz_16QAM_23025_1RB#0_3000~10000_3000~10000





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

