

上海尚远通讯科技有限公司

Antenna Specification For Approval

Customer Name: Xiangcheng		Project Name: T2251
Operating Frequency Band: WiFi B/A		
Mainboard Version: T2251_MAIN_PCB V1.0		

Revision Date		Revision Description		Revised By	Version

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(Shenzhen)

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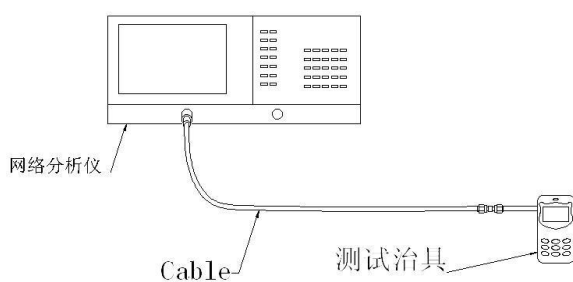
4. S11 Test

S11 测试方法说明

Test Description

Test Equipment: Network Analyzer (E5071C)

Test Method: A 50- Ω coaxial cable is connected to instrument port; calibrate with calibration kit, then connect to SMA connector of prototype fixture. Record return loss and VSWR at corresponding frequency points. Refer to test schematic diagram.



测试示意图

上海尚远通讯科技有限公司天线承认书

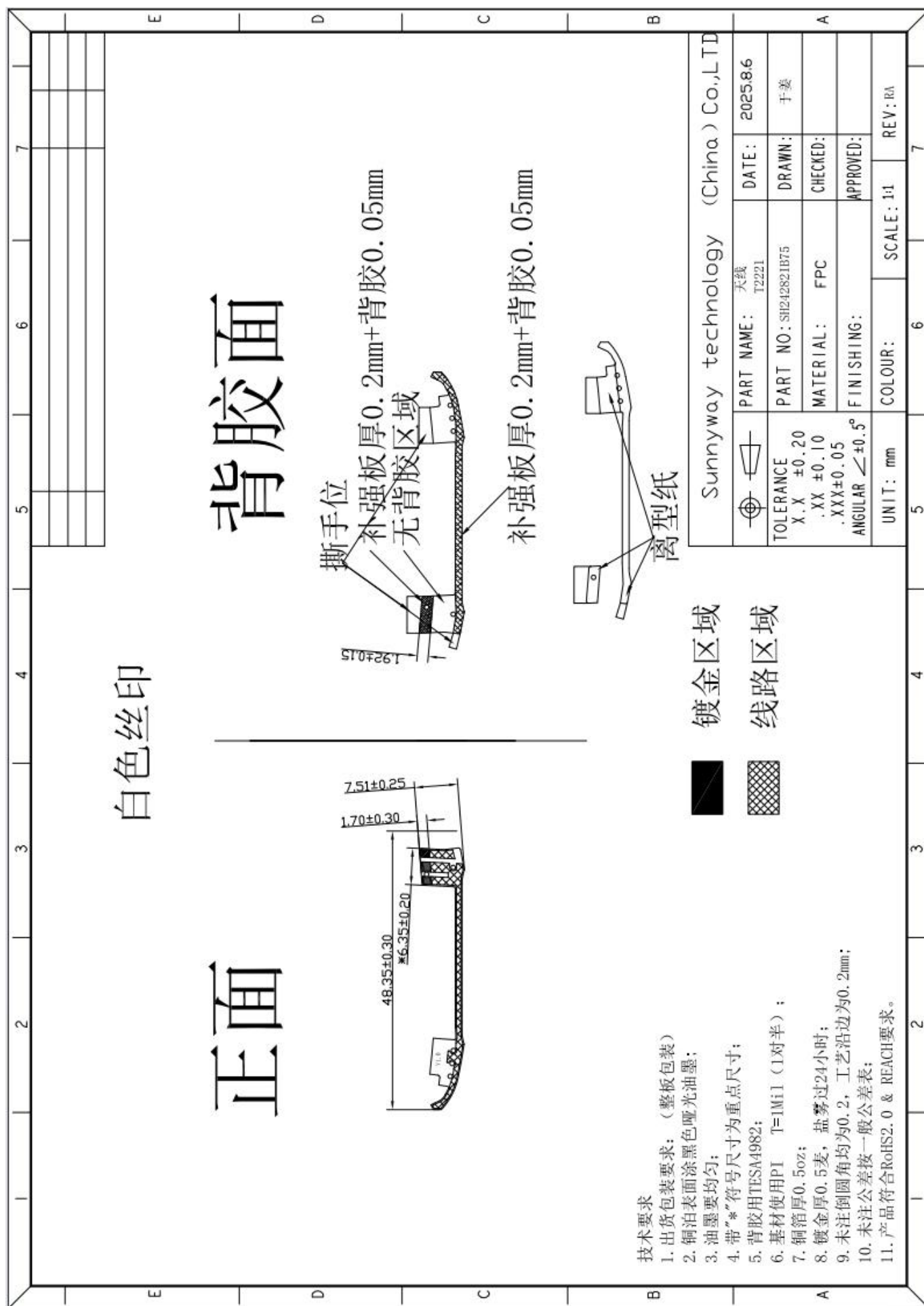
三合一天线无源数据

Fre/Mhz	Effi/dB	Effi/%	Gain(dBi)	Fre/Mhz	Effi/dB	Effi/%	Gain(dBi)	Fre/Mhz	Effi/dB	Effi/%	Gain(dBi)
1550	-2.79	52.6	1.76	2400	-3.88	40.97	1.16	5150	-3.26	47.21	1.70
1555	-3.06	49.43	1.49	2410	-3.86	41.12	1.32	5200	-3.22	47.68	1.68
1560	-3.26	47.21	1.22	2420	-3.68	42.84	1.62	5250	-3.34	46.35	1.60
1565	-3.2	47.86	1.10	2430	-3.67	42.93	1.71	5300	-3.4	45.72	1.55
1570	-2.96	50.58	1.17	2440	-3.65	43.19	1.56	5350	-3.41	45.59	1.70
1575	-3	50.12	1.03	2450	-3.63	43.37	1.83	5400	-3.31	46.7	2.22
1580	-3.05	49.55	1.14	2460	-3.97	40.08	1.88	5450	-3.3	46.82	1.59
1585	-3.01	50	1.44	2470	-3.84	41.27	2.70	5500	-3.41	45.58	1.47
1590	-3.01	50	1.39	2480	-3.97	40.06	1.93	5550	-3.56	44.08	1.60
1595	-2.78	52.72	1.11	2490	-3.96	40.17	2.70	5600	-3.92	40.56	1.68
1600	-2.81	52.36	0.93	2500	-3.89	40.81	1.80	5650	-3.91	40.65	1.56
1605	-2.86	51.76						5700	-4	39.84	1.66
1610	-2.88	51.52						5750	-3.87	40.99	1.70
								5800	-3.94	40.34	2.17
								5850	-4.07	39.14	2.52

WiFi天线有源数据

WIFI OTA test							
freq	Channel	数据一A1		数据二C1		数据三B1	
		TRP	TIS	TRP	TIS	TRP	TIS
WIFI 11a (54M)	36	14.34		14.05		15.14	
	100	14.56		15.73		15.06	
	165	14.61	-73.87	14.84	-73.61	14.69	-74.05
WIFI 11b (11M)	1	17.56		17.44		17.59	
	6	17.89		17.68		18.14	
	11	17.46	-84.78	17.75	-85.53	17.65	-85.11
WIFI 11g	1	15.37		15.69		15.64	
	6	15.63		15.85		15.94	
	11	15.51	-73.46	15.86	-73.77	15.77	-73.71
WIFI 11n	1	14.85		14.52		14.67	
	6	14.97		15.78		15.29	
	11	14.78	-68.69	14.86	-68.45	15.02	-68.83

6. 工程图



7. 样机接地处理

无新增环境处理

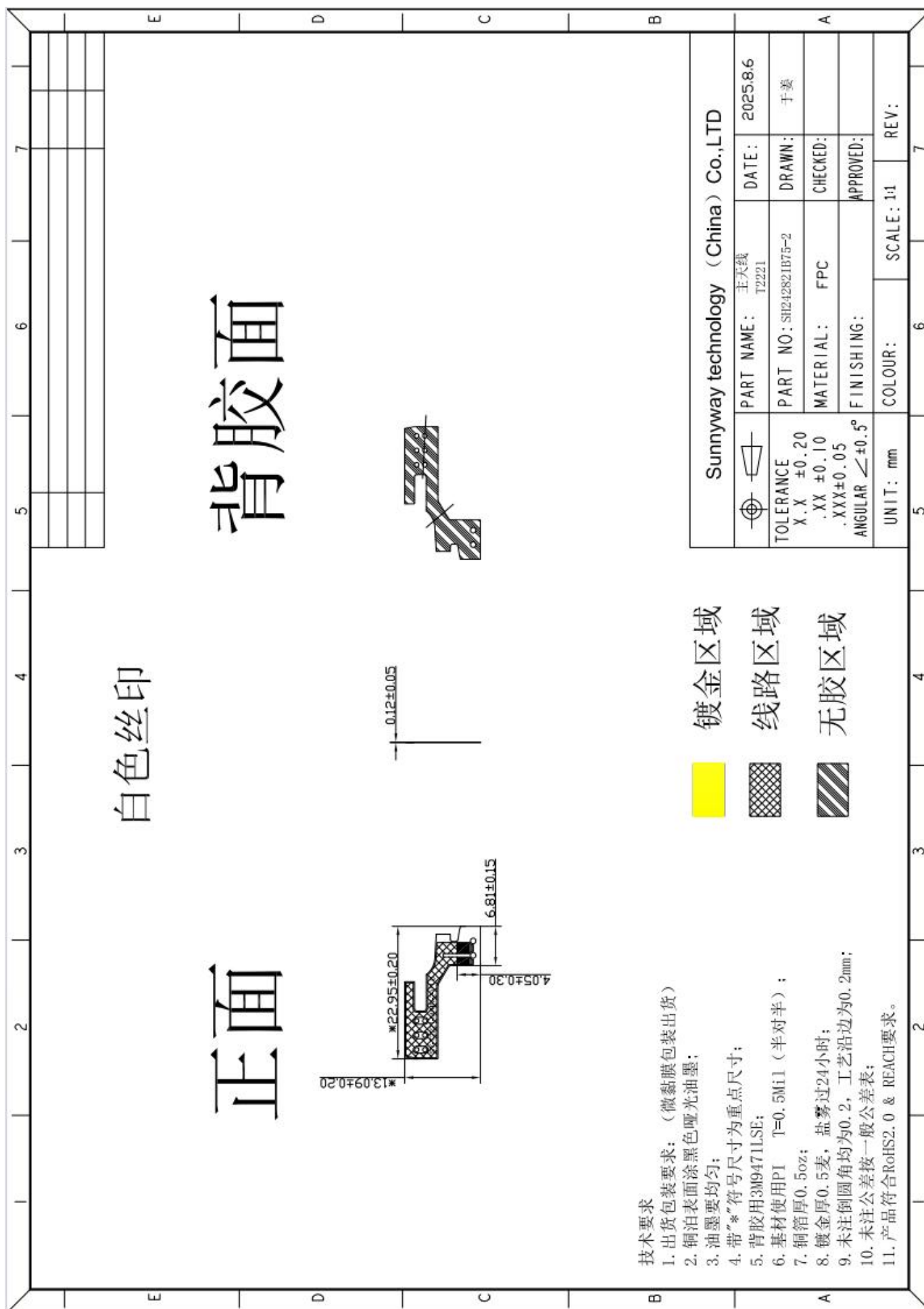
8. 量产天线指标

天线量产时，以驻波比作为量产测试标准。

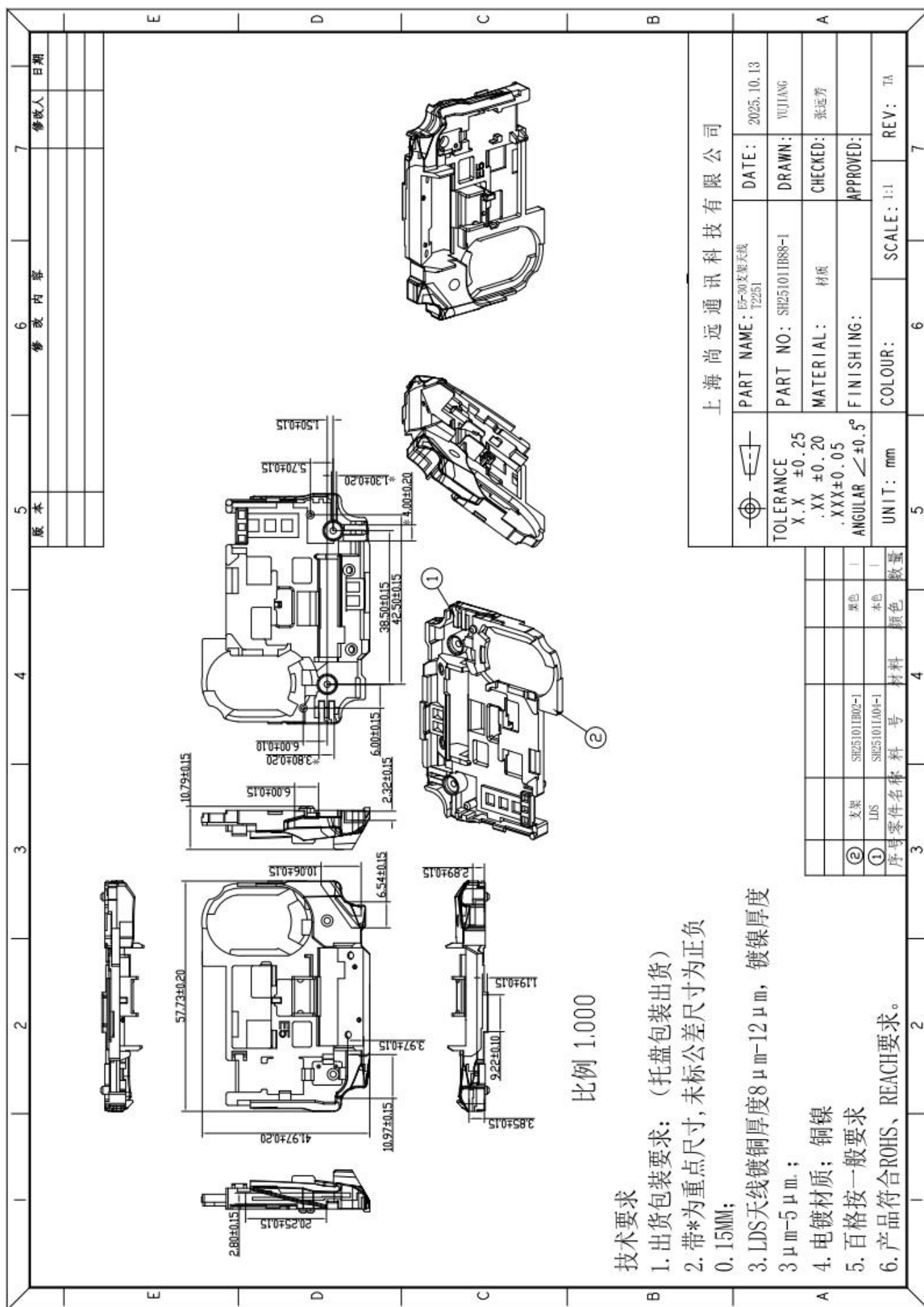
根据项目本身的差异，给出如下标准：

频率（MHz）	量产标准
824--960； 1710--2690	VSWR（量产性能）<VSWR(承认性能)+1
1575； 2400-2500； 5150-5850	VSWR（量产性能）<VSWR(承认性能)+1

8. 工程图



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