

Content

Item

Description

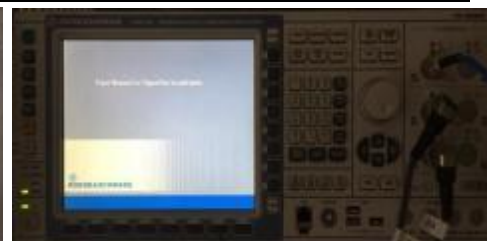
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1. Electrical Specification

Characteristics	Specifications	Unit
Outline Dimensions	59.5x39.8,L50	mm
Frequency	900-920	MHz
Impedance	50	Ω
VSWR	< 2	
Polarization	Linear Polarization	
Efficiency	>38	%
Connector Type	RF 1	
Operating temperature	-25°C~+85°C	
Storage Temp	-25°C~+50°C	
Model	UB01C50F1D4772A	

2. Test Items and Equipment

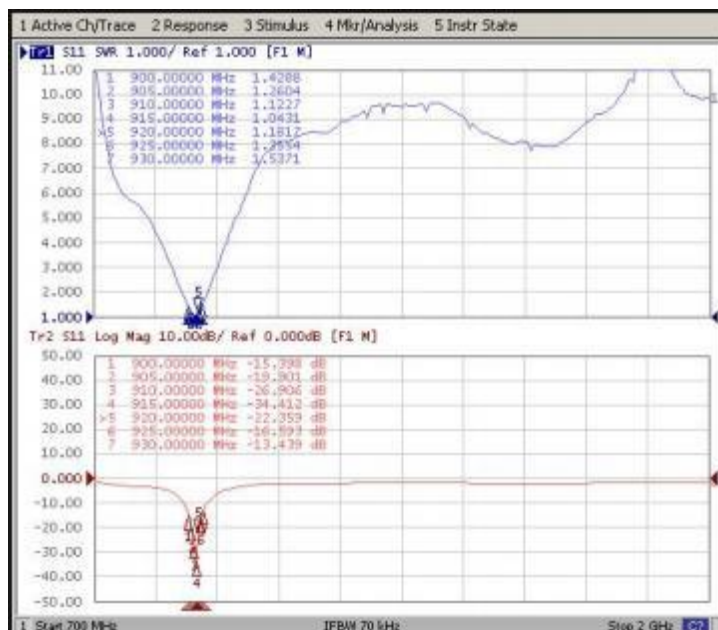
	Test items	Test equipment
S Parameter	1.Return Loss 2.VSWR	Network analyzer (Agilent E5071B)
The whole machine of Passive parameters	1.Frequency 2.Gain 3.Radiation Pattern	1.3D microwave darkroom (5m*5m*5m) 2.Network analyzer (Agilent E5071B)
The whole machine of Active parameters	1.TRP 2.TIS	1.3D microwave darkroom (5m*5m*5m) 2.Comprehensive test instrument (CMW500)



3.S Parameter

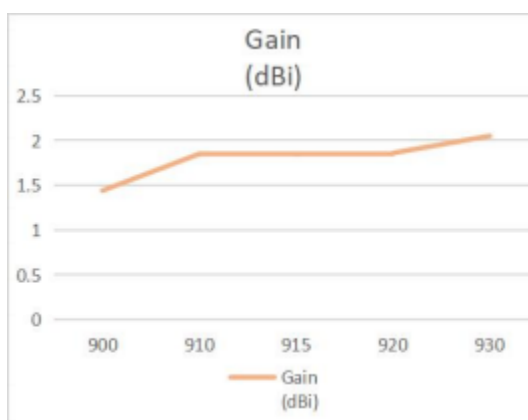
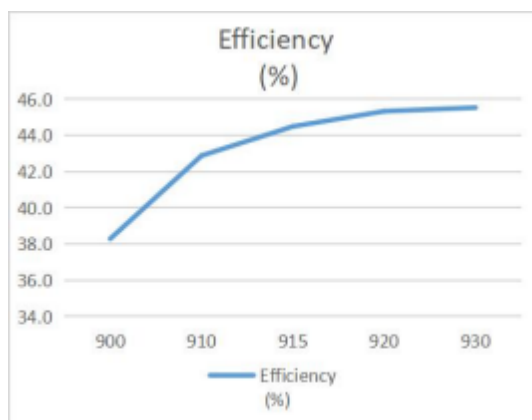
Frequency (MHz)	Return Loss(dB)	VSWR
900	-15.39	1.42
915	-34.41	1.04
930	-13.43	1.53

* Voltage Standing Wave Ratio(VSWR)
Return Loss(RL)
 $RL = 20 * \log_{10}[(VSWR + 1) / (VSWR - 1)]$

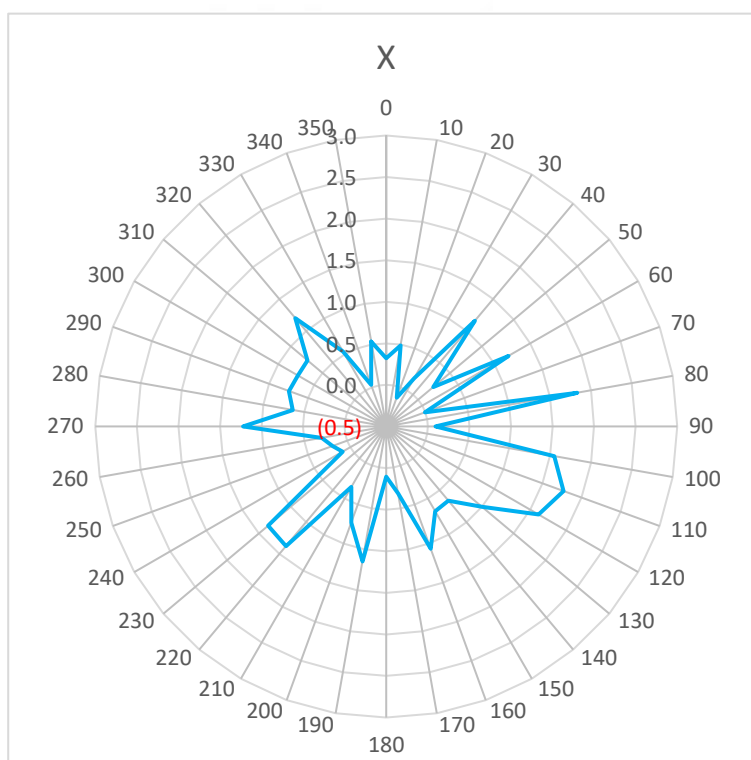
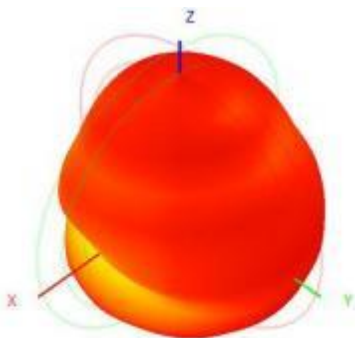


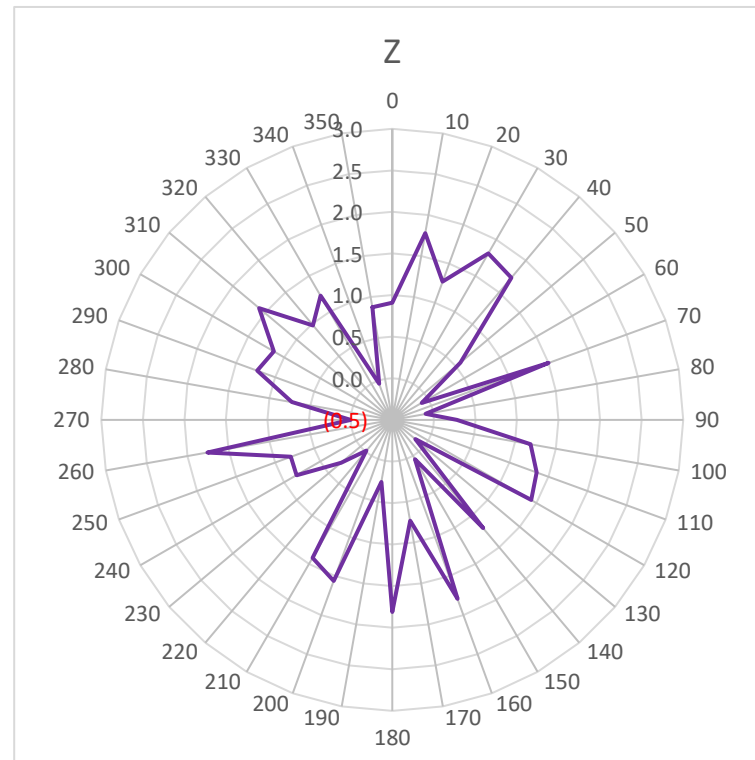
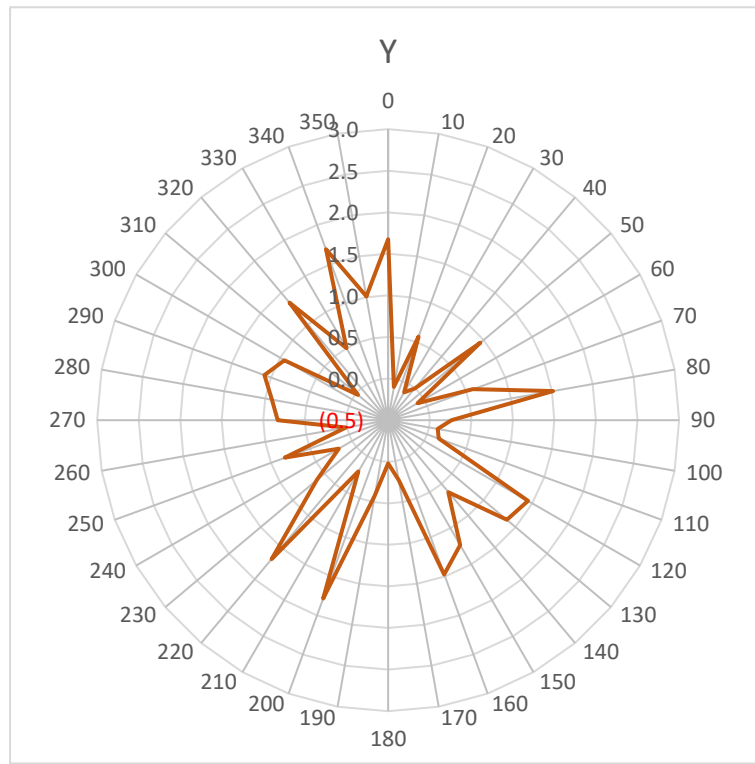
4. Efficiency and Gain

Frequency (MHz)	900	910	915	920	930
Efficiency (%)	38.29	42.88	44.49	45.33	45.53
Gain (dBi)	1.44	1.85	1.85	1.86	2.05



5. Radiation Pattern

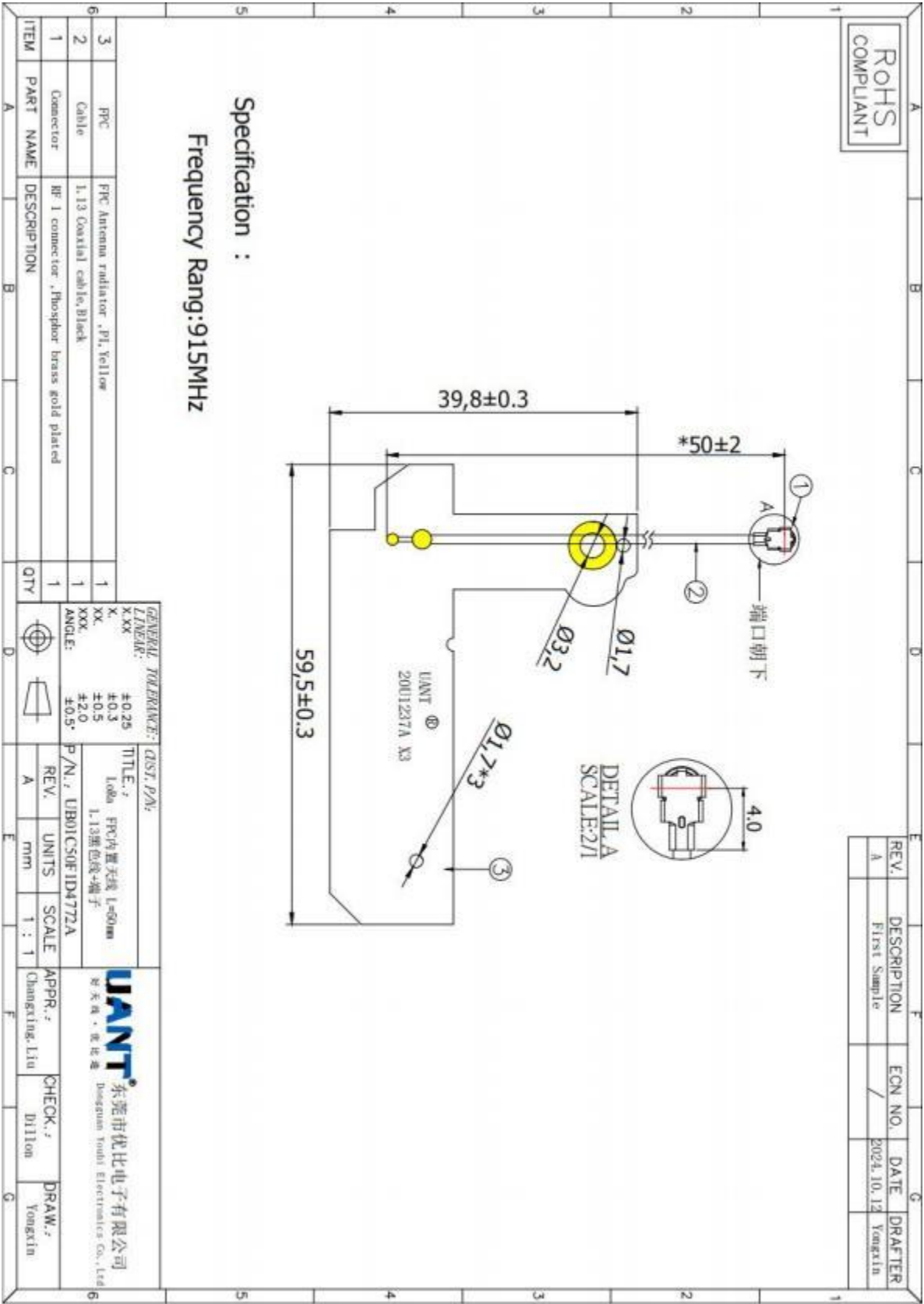




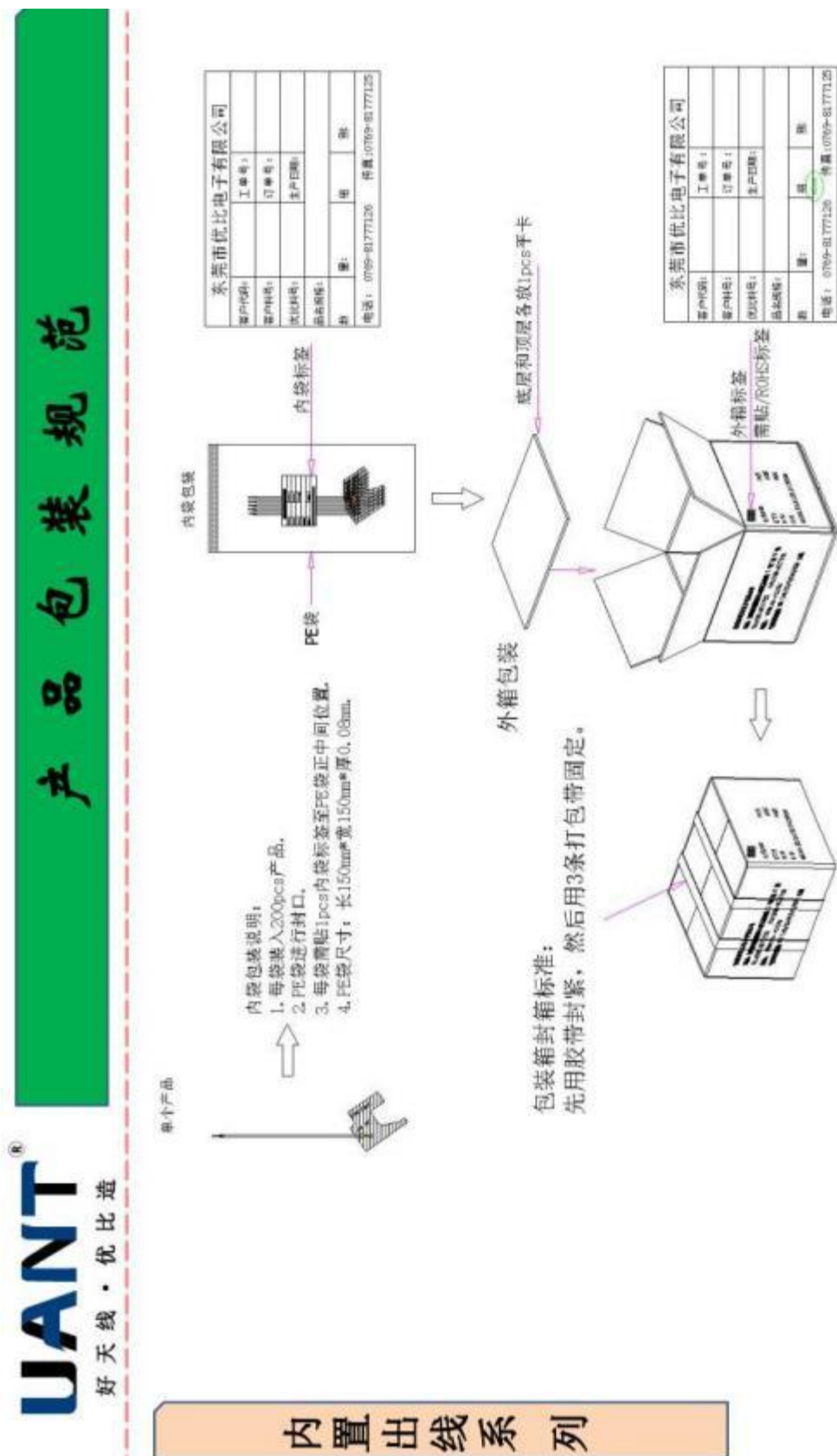
6. Antenna installation diagram



7.Mechanical Specification



8.Packaging



注：
此份包装规范适用于FPC, PCB天线类的线材总长<90mm带ipex和不带ipex产品，属于通用类型。
1. 中号纸箱装10000pcs产品每箱。