

承 认 书

SPECIFICATION FOR APPROVAL

客 户 名 称

CUSTOMER NAME:

产 品 名 称

PRODUCT NAME: 2.4G - 2.28dBi 小 SMA 铜头公针黑色天线

客 户 料 号

CUSTOMER P/N:

电子料号

P/N:

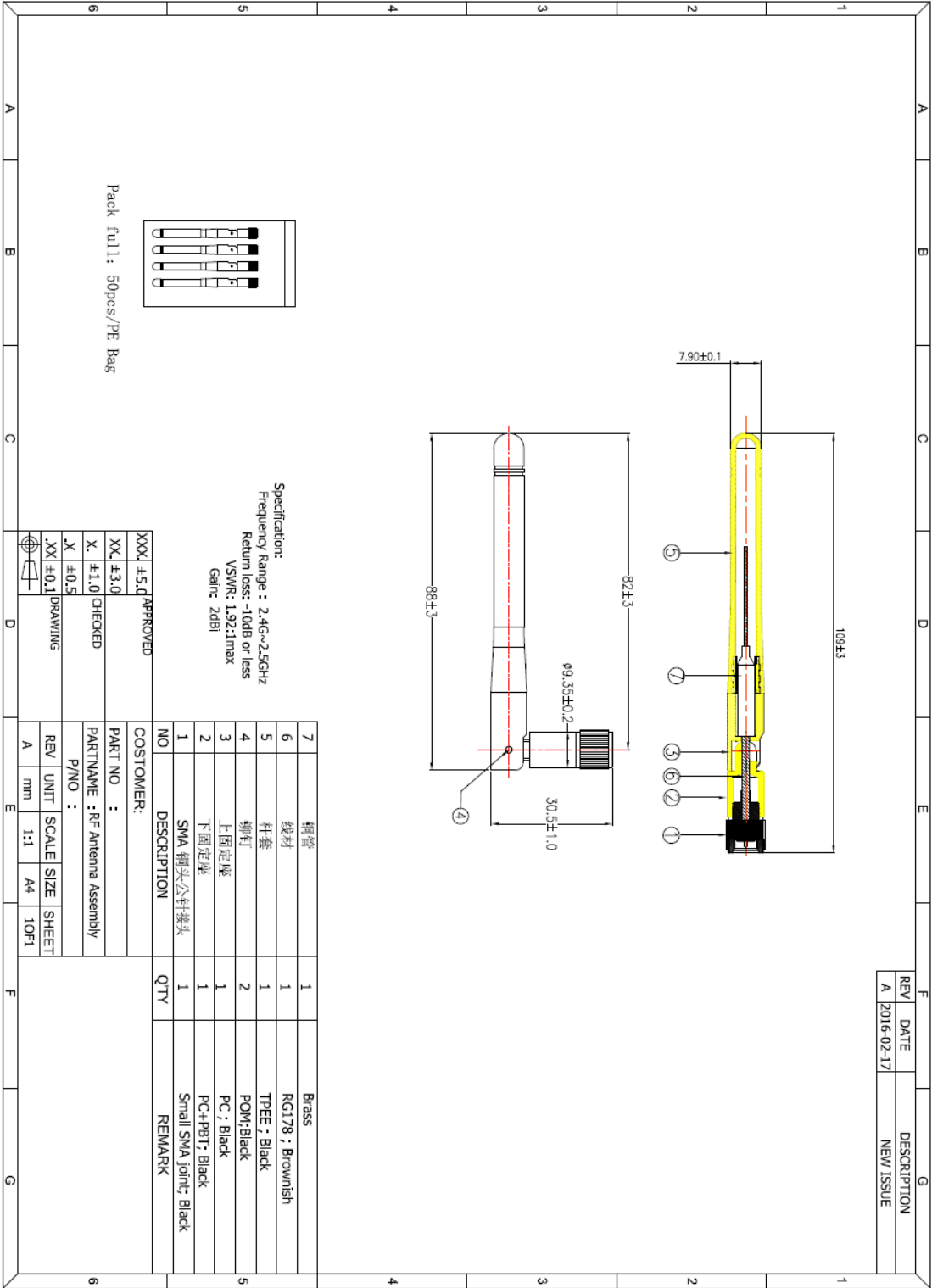
REV: A

	MANUFACTURER SIGNATURE	CUSTOMER SIGNATURE
CHECKED BY:		
AUDITOR BY:		
APPROVED BY:		
DATE:	2016-07-06	

一、规格表:

产品主要技术参数

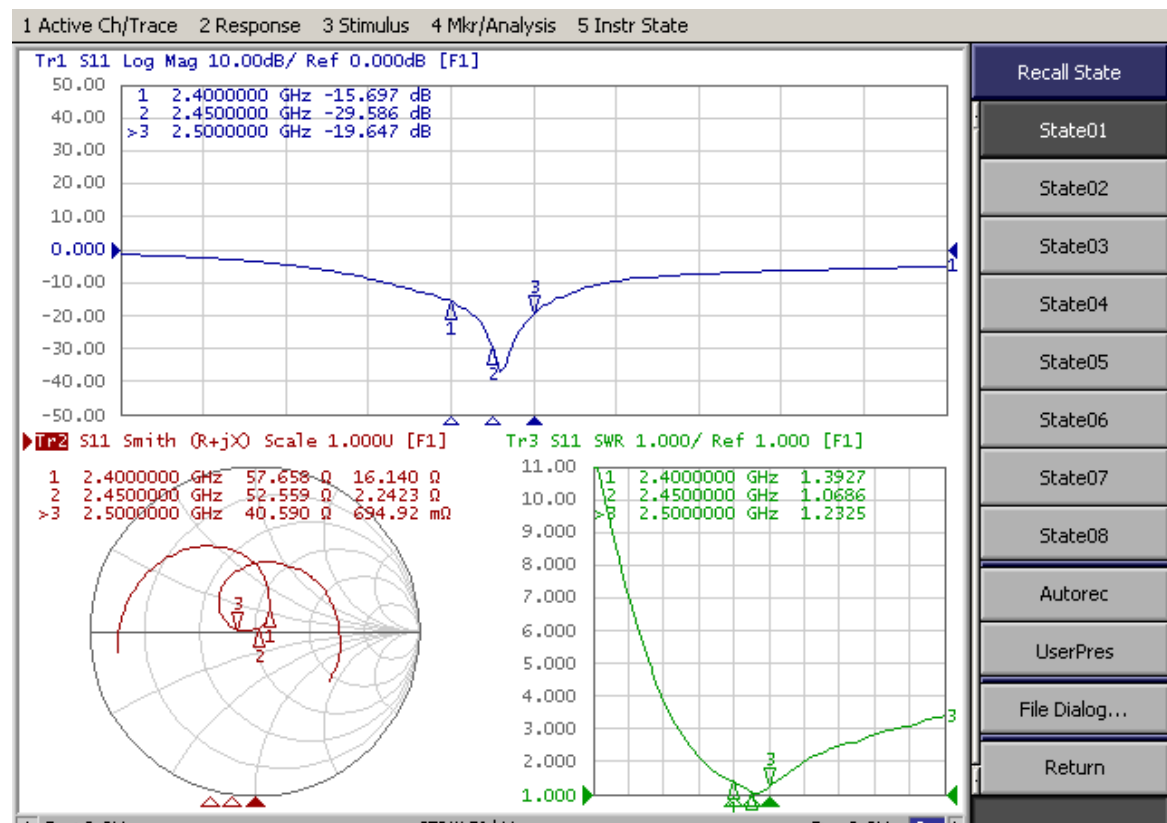
主要技术指标		Main technical specifications	
频率范围 (MHZ)	2400-2500	Frequency Range (MHZ)	2400-2500
特性阻抗(Ω)	50	Impedance(Ω)	50
增益(dBi)	2.28	Gain(dBi)	2.28
输出电压 驻波比	≤ 1.92	VSWR	≤ 1.92
最大功率	10W	Admitted Power	10W
极化方式	垂直极化	Polarization	Linear,Vertical
方向性	全向性	Radiation	Omni-directional
连接方式	SMA	Connector Type	SMA
物理性能		Physical Properties	
天线外套材料	TPEE	Antenna cover	TPEE
工作温度	-20℃~+70℃	Operating Temp	-20℃~+70℃
保存温度	-20℃~+70℃	Storage Temp	-20℃~+70℃



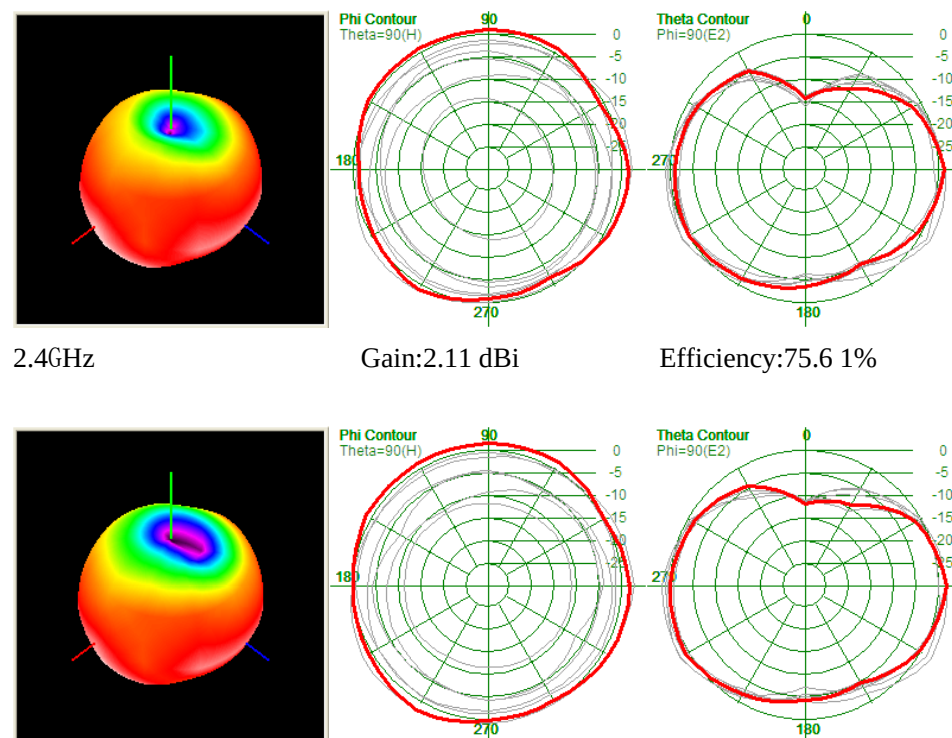
11、成品图:

三、测试报告

3.1: 网络分析仪测试报告



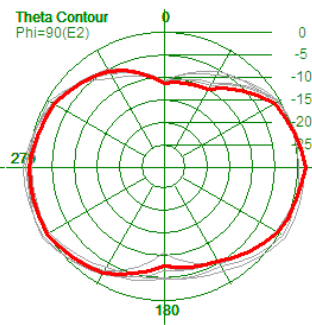
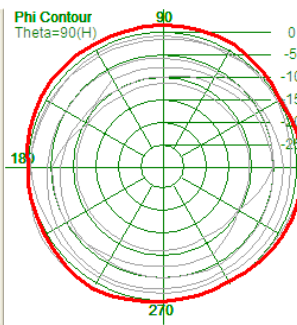
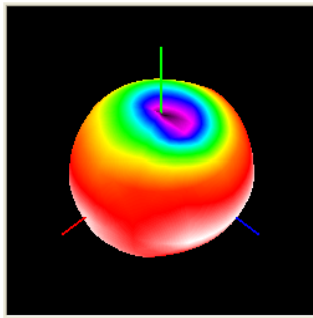
3.2: 暗室 2D、3DRadiation Pattern



2.45GHz

Gain: 2.23dBi

Efficiency: 78.45%



2.5GHz

Gain: 2.36dBi

Efficiency: 79.32%

Frequency ID	1	2	3	4	5	6	7	8	9	10	11
Frequency (MHz)	2400.0	2410.0	2420.0	2430.0	2440.0	2450.0	2460.0	2470.0	2480.0	2490.0	2500.0
Efficiency (dBi)	-2.06	-2.14	-2.28	-2.38	-2.47	-2.54	-2.66	-2.70	-2.65	-2.57	-2.39
Gain (dBi)	2.25	2.20	2.28	2.09	2.00	1.88	1.65	1.46	1.43	1.49	1.68
Efficiency (%)	62.27	61.05	59.18	57.76	56.56	55.71	54.24	53.75	54.29	55.28	57.72
Directivity (dB)	4.31	4.43	4.48	4.47	4.48	4.42	4.31	4.15	4.09	4.06	4.07
Peak Gain Position (Theta)	115.00	115.00	115.00	114.00	114.00	113.00	113.00	150.00	66.00	67.00	70.00
Peak Gain Position (Phi)	347.00	348.00	348.00	349.00	348.00	349.00	349.00	300.00	236.00	237.00	239.00
Efficiency ThetaPol (%)	50.12	48.76	46.77	45.08	43.78	42.89	41.65	41.30	41.82	42.73	44.74
Efficiency PhiPol (%)	12.15	12.28	12.41	12.68	12.79	12.83	12.60	12.45	12.47	12.55	12.98
Upper Hem. Efficiency (%)	30.92	29.69	28.52	28.00	28.02	28.41	28.48	29.00	29.74	30.51	31.83
Lower Hem. Efficiency (%)	31.35	31.36	30.66	29.75	28.54	27.30	25.76	24.76	24.55	24.77	25.89