

SPECIFICATION FOR APPROVAL

CUSTOMER NAME:

PRODUCT NAME: 2400~2500/5150~5850MHz-External Antenna

CUSTOMER P/N:

P/N: UB02S55B5D10A

REV: A

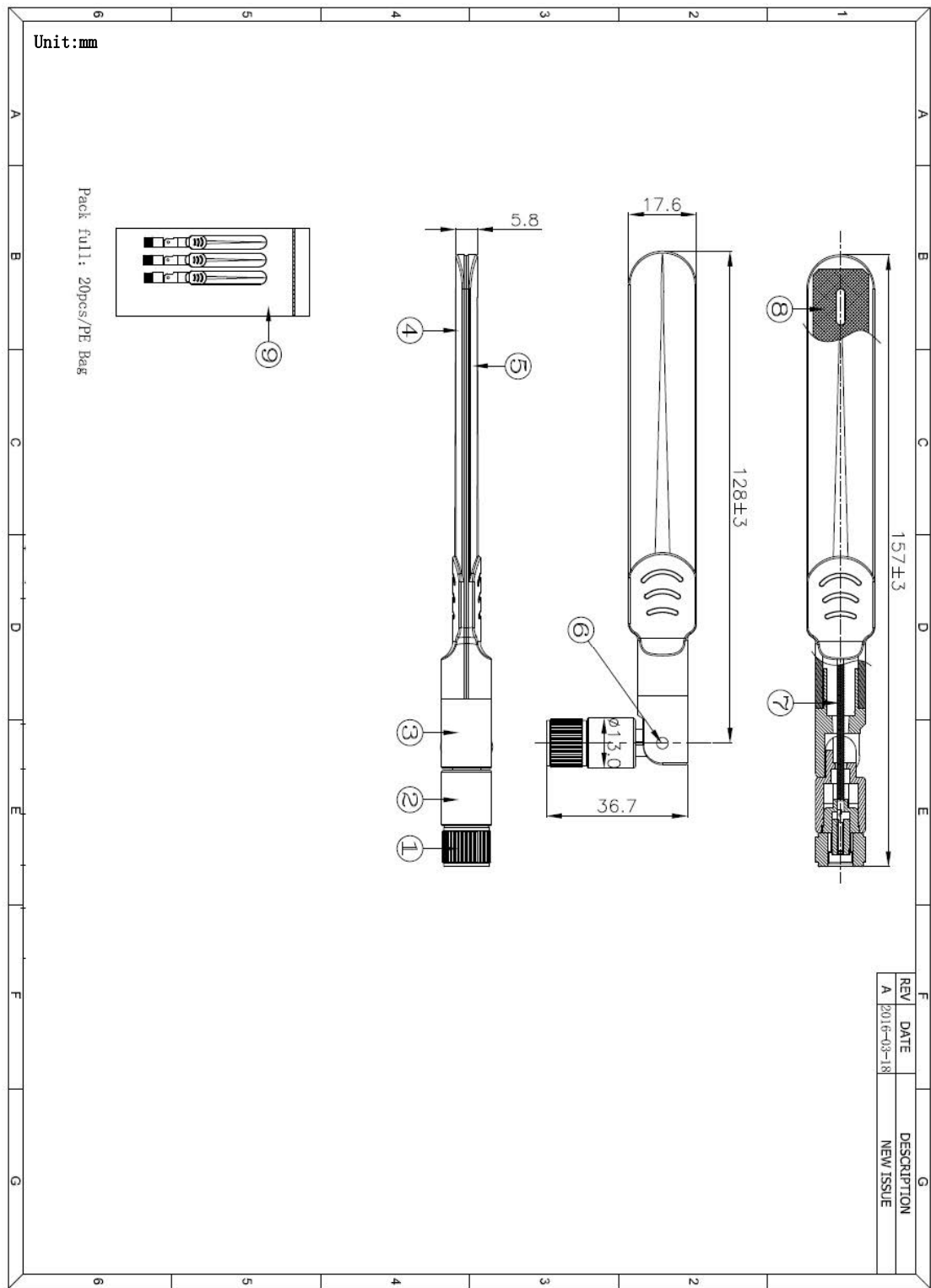
	MANUFACTURER SIGNATURE	CUSTOMER SIGNATURE
CHECKED BY:		
AUDITOR BY:		
APPROVED BY:		
DATE:	2016-03-18	

一、specification table:

Main technical parameters of the product

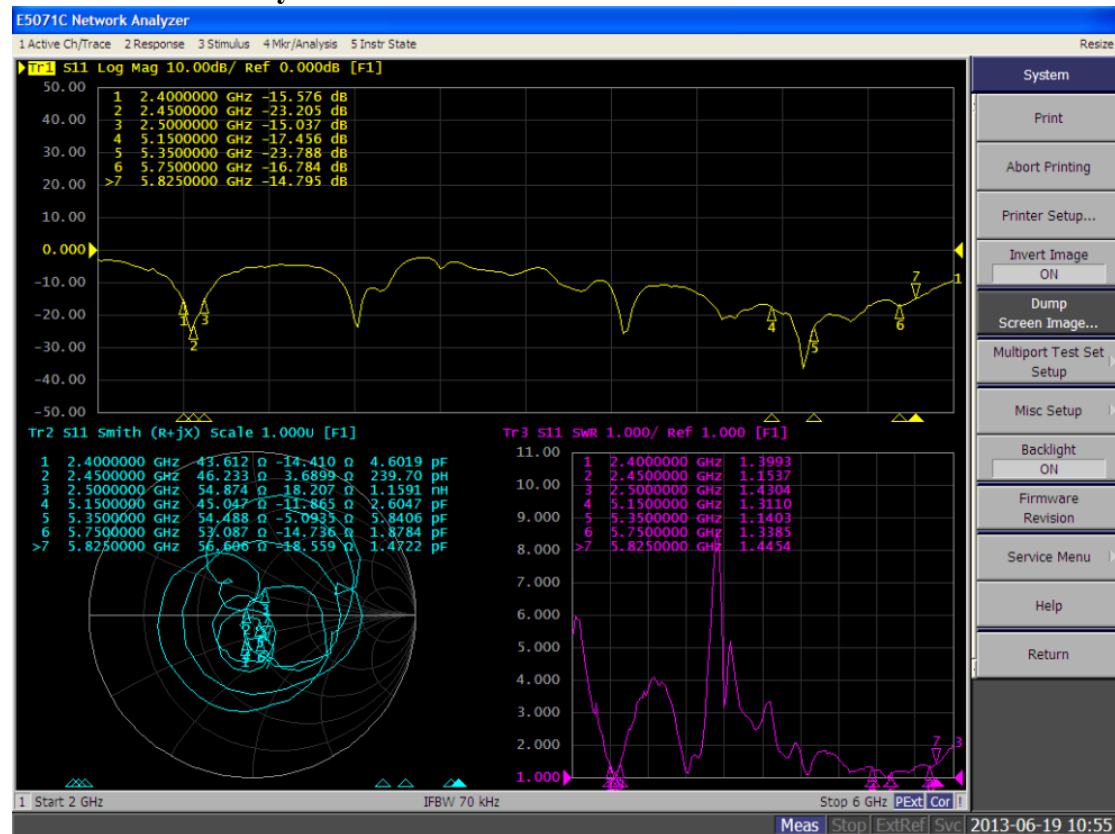
主要技术指标		Main technical specifications	
频率范围 (MHZ)	2400~2500/ 5150~5850	Frequency Range (MHZ)	2400~2500/ 5150~5850
特性阻抗(Ω)	50	Impedance(Ω)	50
峰值增益(dBi)	4 $\pm$ 0.5	Peak Gain(dBi)	4 $\pm$ 0.5
输出电压 驻波比	$\leq$ 1.92	VSWR	$\leq$ 1.92
最大功率	10W	Admitted Power	10W
极化方式	垂直极化	Polarization	Linear,Vertical
方向性	全向性	Radiation	Omni-directional
连接方式	SMA	Connector Type	SMA
物理性能		Physical Properties	
天线外套材料	ABS	Antenna cover	ABS
工作温度	-20 $^{\circ}$ C~+70 $^{\circ}$ C	Operating Temp	-20 $^{\circ}$ C~+70 $^{\circ}$ C
保存温度	-20 $^{\circ}$ C~+70 $^{\circ}$ C	Storage Temp	-20 $^{\circ}$ C~+70 $^{\circ}$ C

11、Finished product picture:

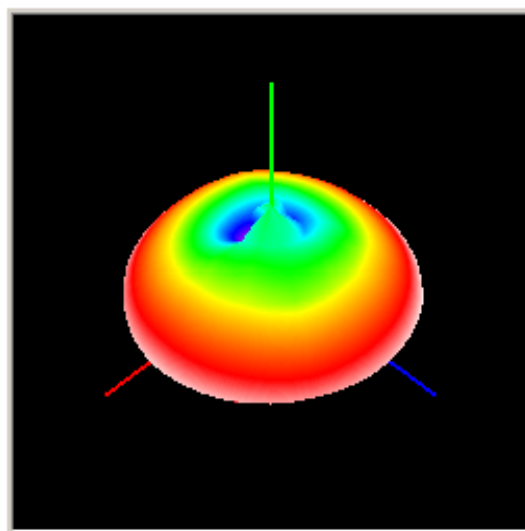


三、test Result

3.1: Network Analyzer Test Result

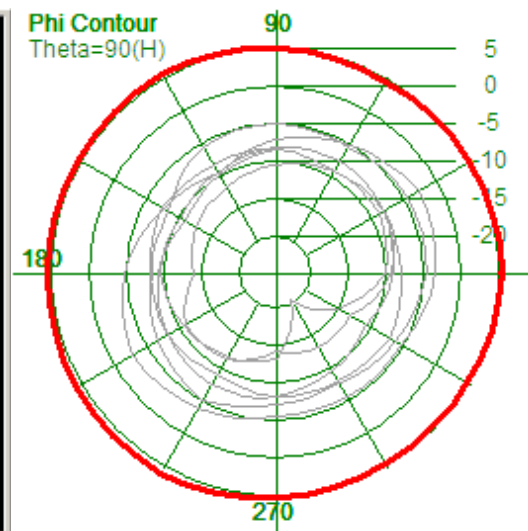


3.2: darkroom 2D、3DRaditation Pattern

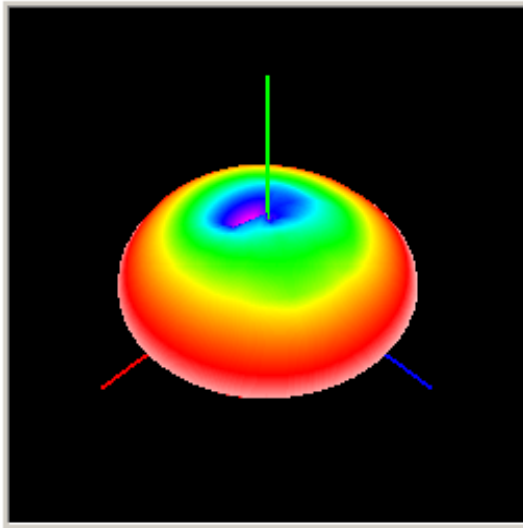


2.4GHz

Gain: 3.98Bi

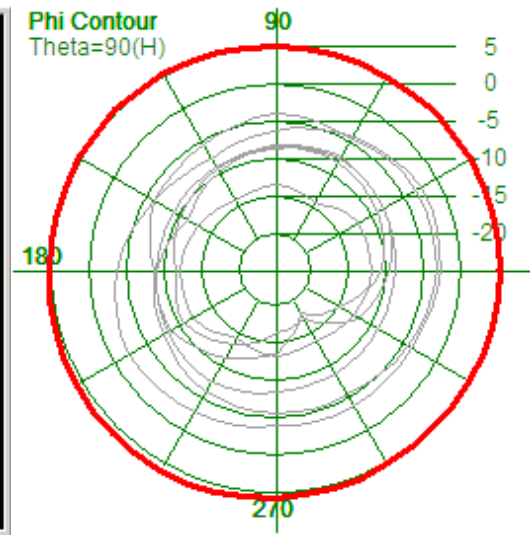


Efficiency:69.94%

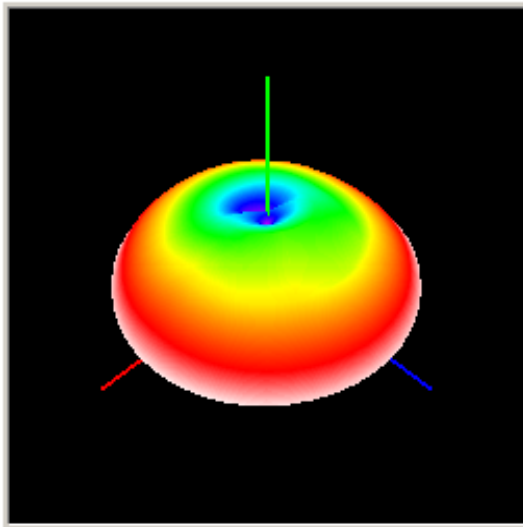


2.45GHz

Gain: 4.17dBi

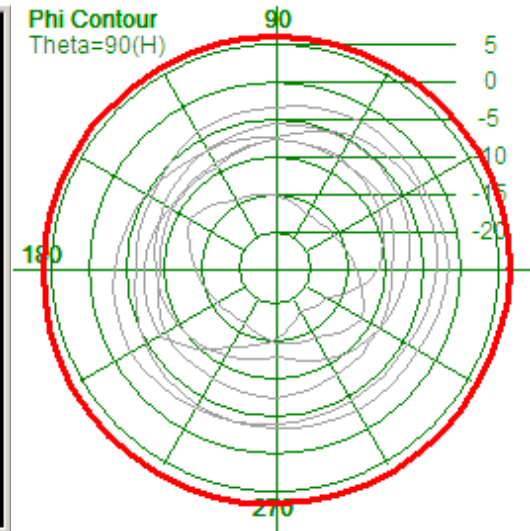


Efficiency: 70.19%

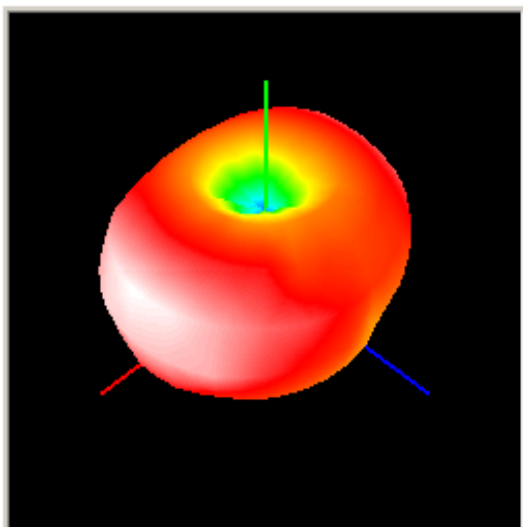


2.5GHz

Gain: 4.14dBi

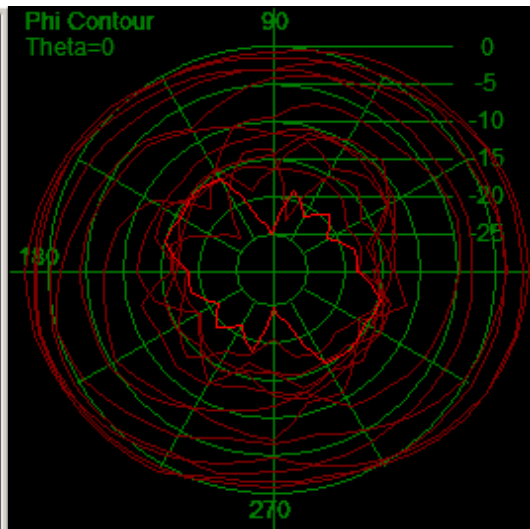


Efficiency: 72.03%

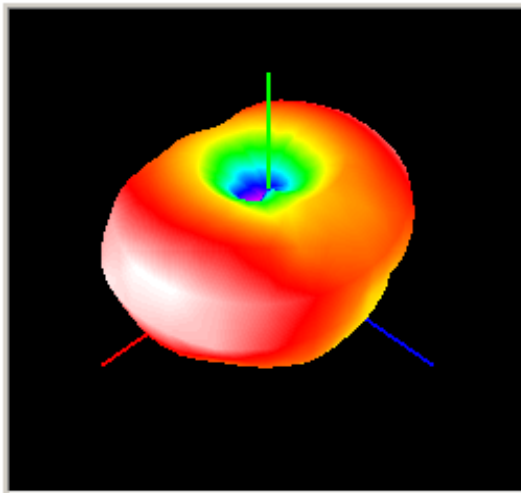


5.15GHz

Gain: 3.99dBi

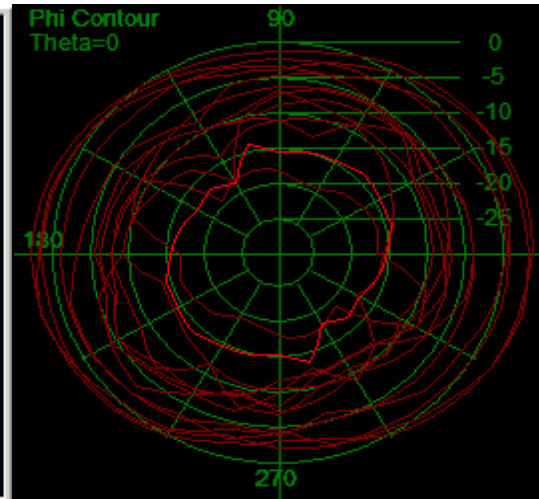


Efficiency: 70.86%

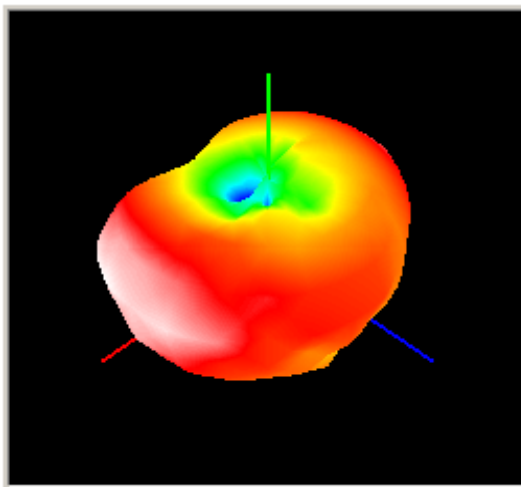


5.35GHz

Gain: 4.22dBi

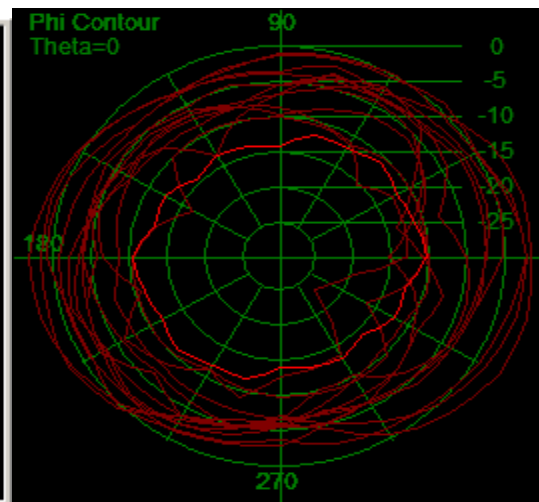


Efficiency: 71.47%

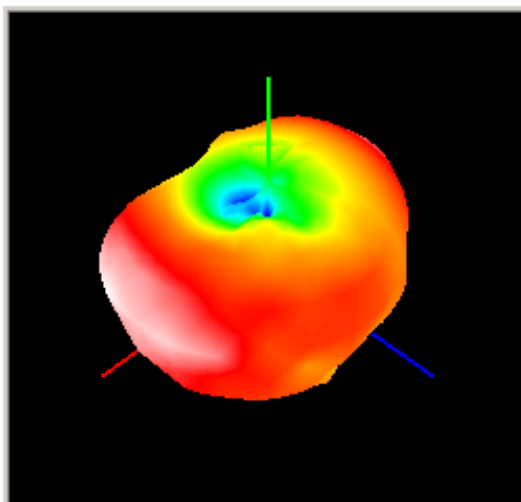


5.75GHz

Gain: 4.31dBi

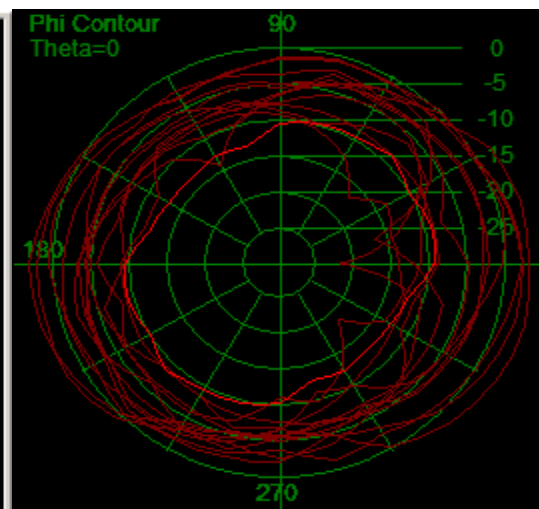


Efficiency: 71.63%



5.825GHz

Gain: 4.26dBi



Efficiency: 72.17%