

SPECIFICATION FOR APPROVAL

CUSTOMER NAME: ZYO Smart Display Tech. Co., Ltd.

PRODUCT NAME: 2400~2500/5150~5850MHz- big SMA male head female pin-5DBi , Sword shape black antenna

CUSTOMER P/N: D14-09XS5DB10A

Electronic P/N: UB02S55B5D10A REV: A

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

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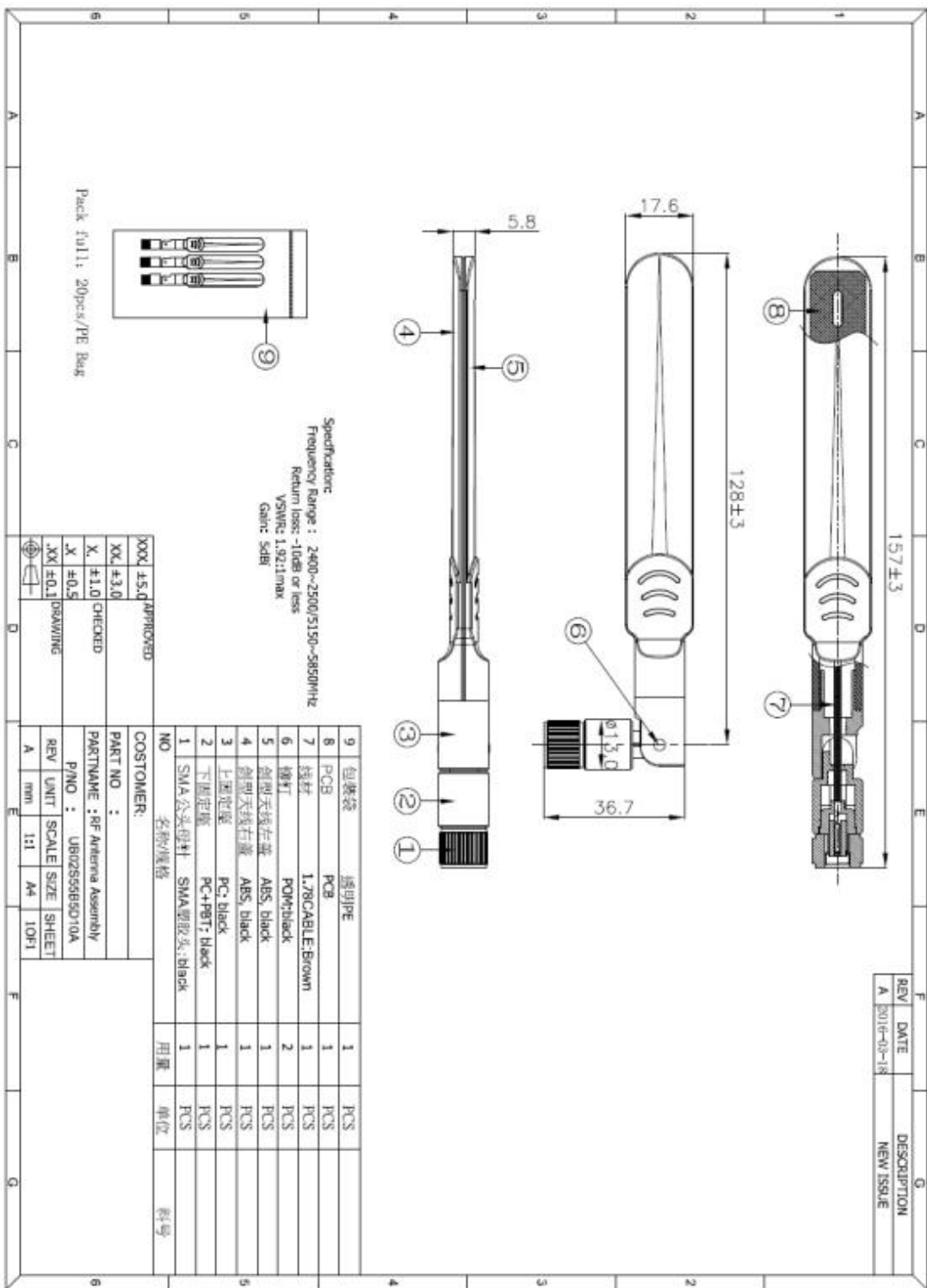
<i>Item</i>	<i>Description</i>
1. -----	Specification
2. -----	Finished Product Image
3-----	Testing Report

Specification:

The Main Technical Parameters

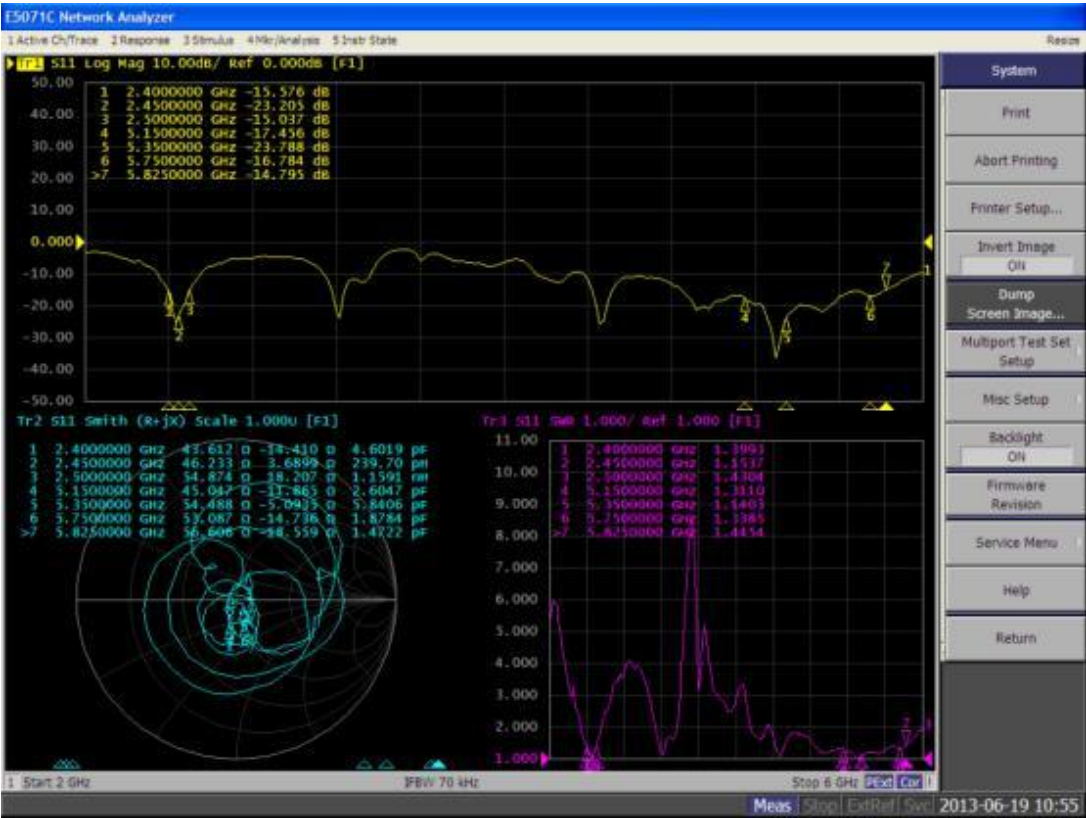
Main Technical Indicators		Main technical specifications	
Frequency Range (MHZ)	2400~2500	Frequency Range (MHZ)	5150~5850
Characteristic impedance (Ω)	50	Impedance(Ω)	50
Peak Gain (dBi)	4.17	Peak Gain(dBi)	4.31
Voltage Output SWR	≦ 1.92	VSWR	≦ 1.92
Maximum power	10W	Admitted Power	10W
Polarization mode	vertical polarization	Polarization	Linear,Vertical
Directionality	Omnidirectional	Radiation	Omni-directional
Connecting way	SMA	Connector Type	SMA
Physical Properties		Physical Properties	
The outside materials of Antenna	ABS	Antenna cover	ABS
Working Temperature	-20℃ ~+70℃	Operating Temp	-20℃ ~+70℃
Storage Temperature	-20℃ ~+70℃	Storage Temp	-20℃ ~+70℃

2. Finished product image

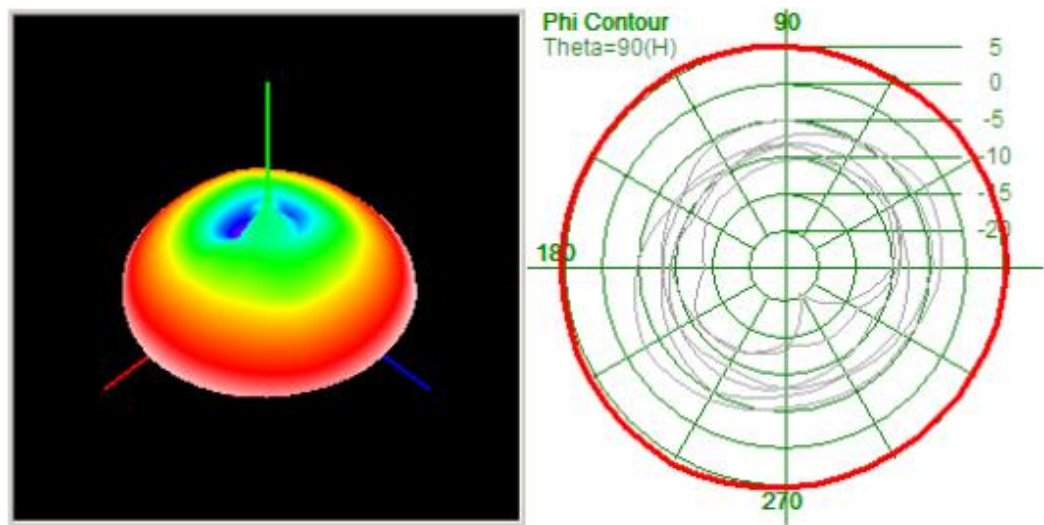


3. Testing report

3.1: Network analyzer testing report



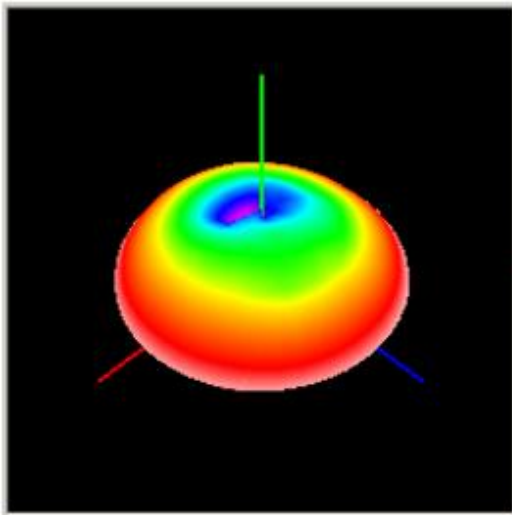
3.2: Darkroom 2D , 3DRaditation Pattern



2.4GHz

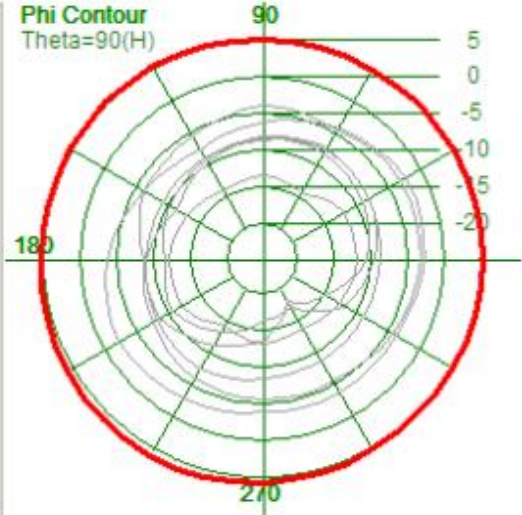
Gain: 3.98Bi

Efficiency:69.94%

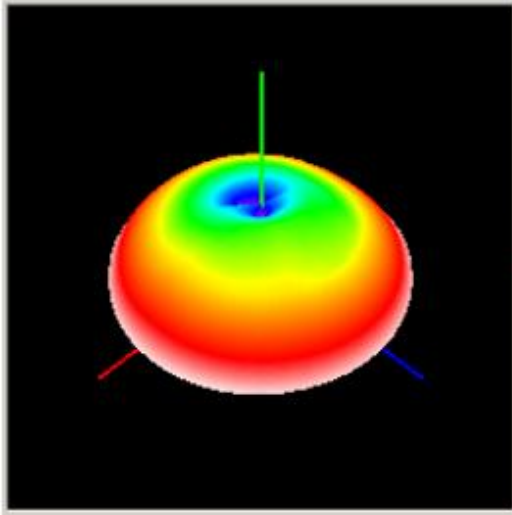


2.45GHz

Gain: 4.17dBi

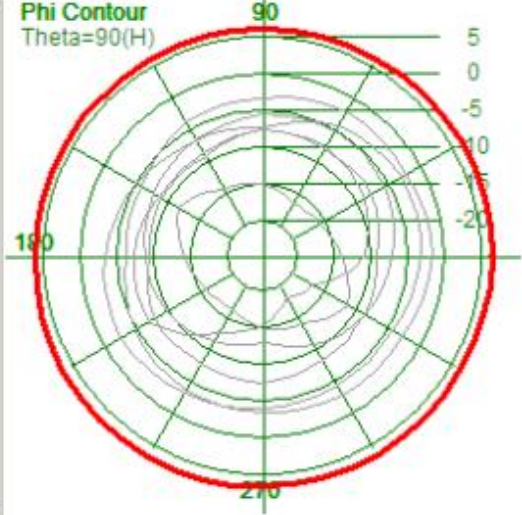


Efficiency: 70.19%

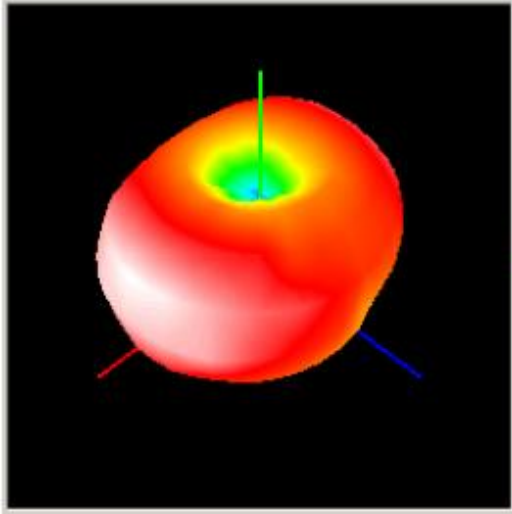


2.5GHz

Gain: 4.14dBi

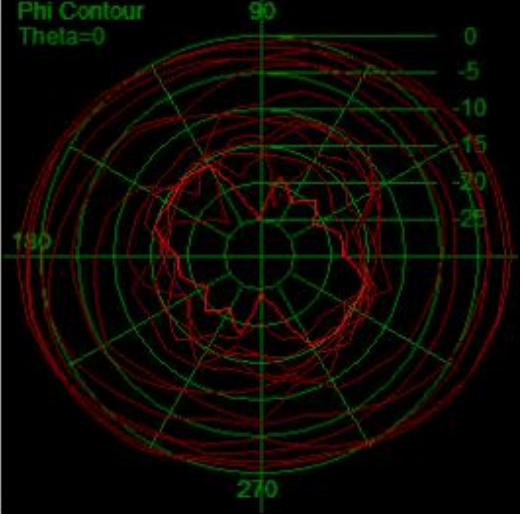


Efficiency: 72.03%

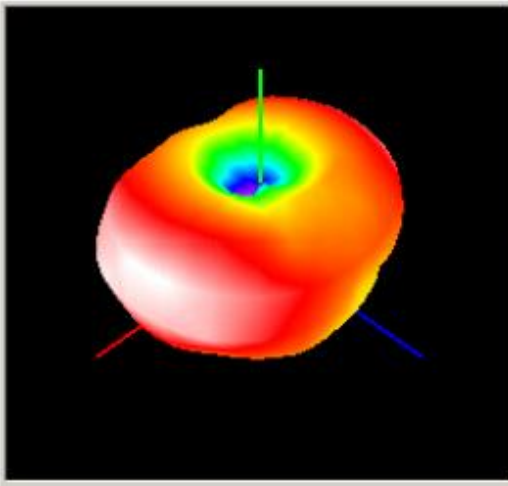


5.15GHz

Gain: 3.99dBi

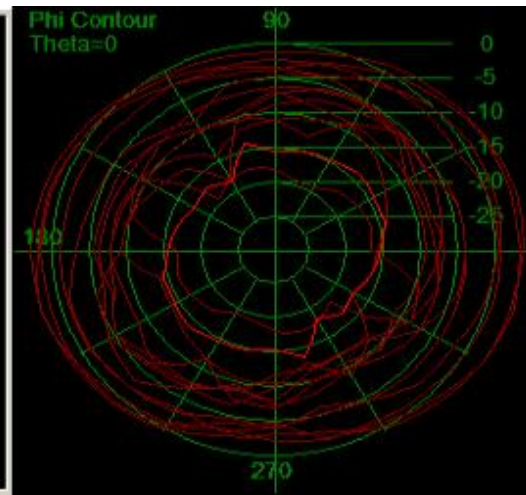


Efficiency: 70.86%

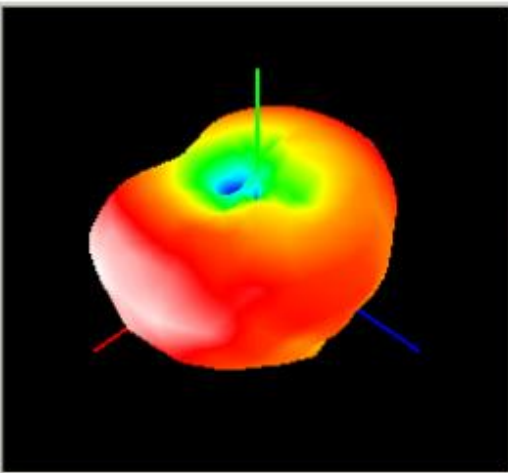


5.35GHz

Gain: 4.22dBi

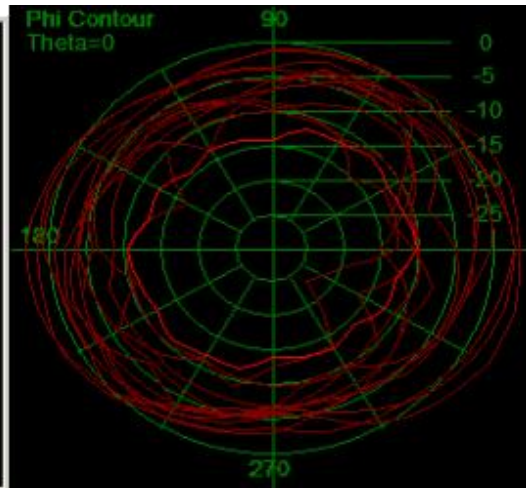


Efficiency: 71.47%

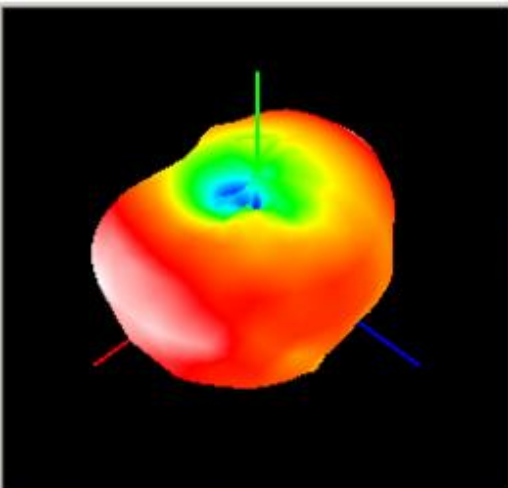


5.75GHz

Gain: 4.31dBi

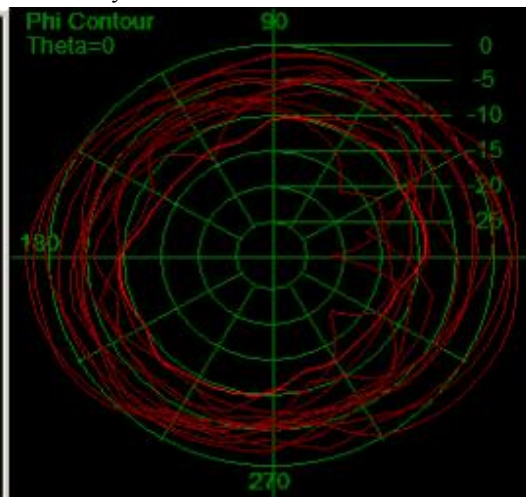


Efficiency: 71.63%



5.825GHz

Gain: 4.26dBi



Efficiency: 72.17%