

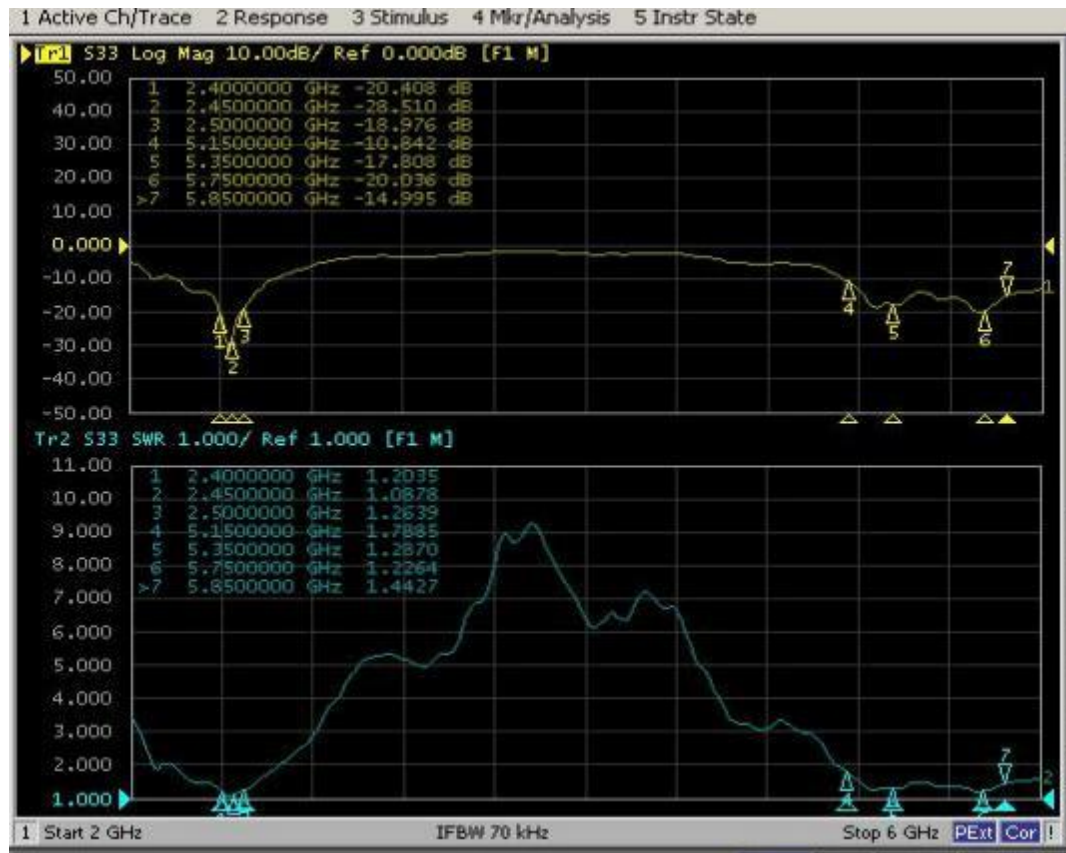
Dual-Band Antenna for 2.4G/5G

1. Main technical specifications

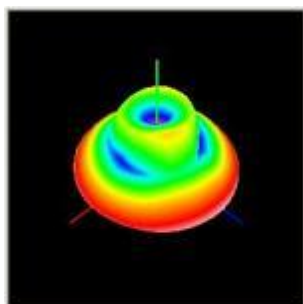
Main technical specifications	
Frequency Range (MHZ)	2400~2500 5150~5825
Impedance(Ω)	50 ± 10
Gain(dBi)	3 ± 0.5
VSWR	≤ 2.0
Admitted Power	10W
Polarization	Linear,Vertical
Connector Type	SMA
Physical Properties	
Antenna Base	TPE
Operating Temp	$-20^{\circ}\text{C} \sim +65^{\circ}\text{C}$
Storage Temp	$-30^{\circ}\text{C} \sim +75^{\circ}\text{C}$

2 Test result

2.1 : S parameter:



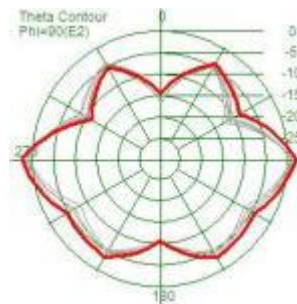
3.2 : 2D 、3DRaditation Pattern



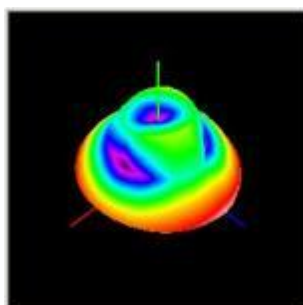
2.4GHz



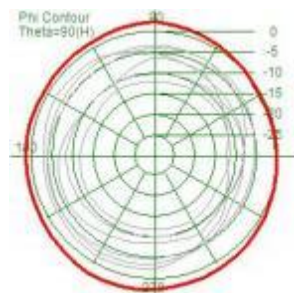
Gain: 3.41dBi



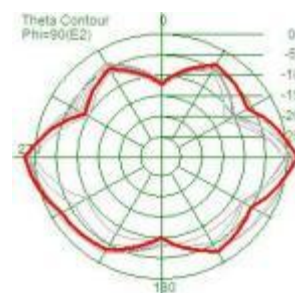
Efficiency:55.25%



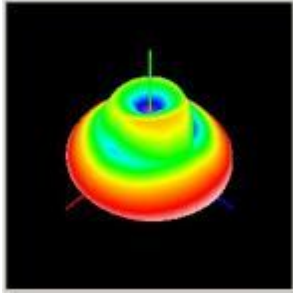
2.45GHz



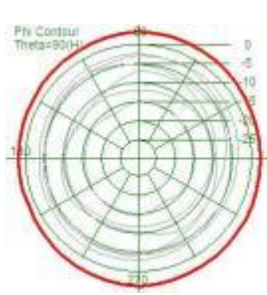
Gain: 3.34dBi



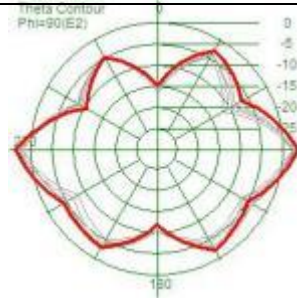
Efficiency:64.32%



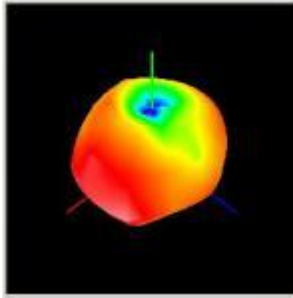
2.5GHz



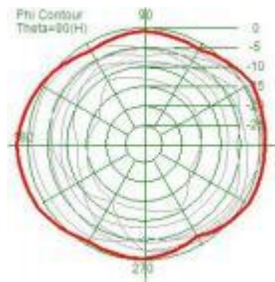
Gain: 3.12dBi



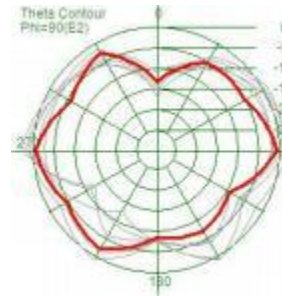
Efficiency: 67.12%



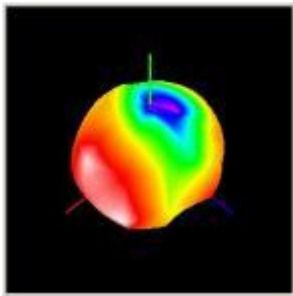
5.15GHz



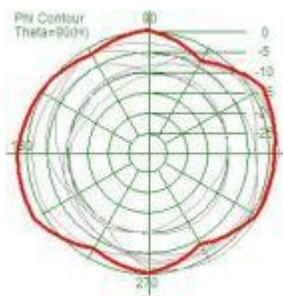
Gain: 2.89dBi



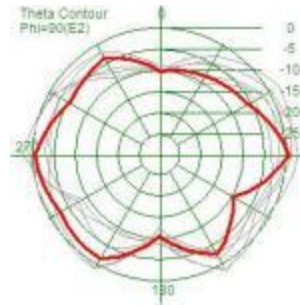
Efficiency: 57.66%



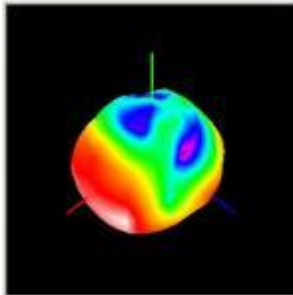
5.35GHz



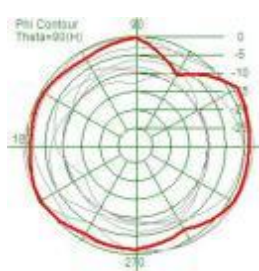
Gain: 2.98dBi



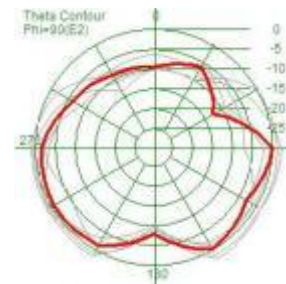
Efficiency: 63.55%



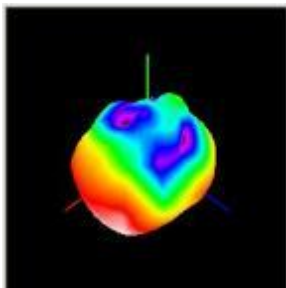
5.75GHz



Gain: 3.33dBi



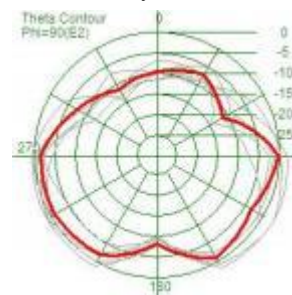
Efficiency: 68.55%



5.825GHz



Gain: 3.55dBi



Efficiency: 67.88%

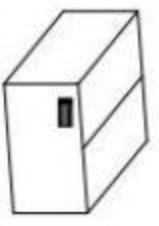
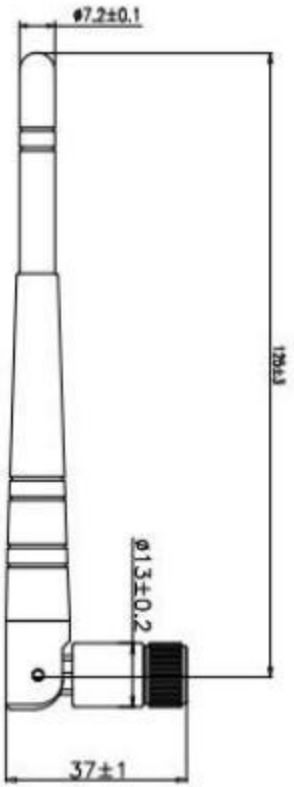
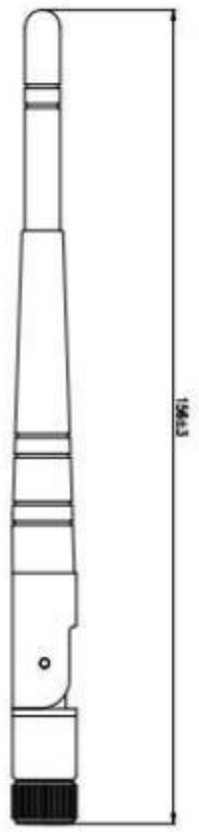
3. Test environment:



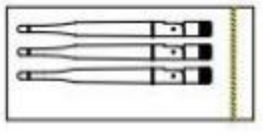
4. Product photo and Mechanical Dimensions(mm):



REV	DATE	DESCRIPTION
A	2002-03-14	NEW ISSUE



- 1. 外箱須貼上IPCS/ROHS環保標簽至外箱標籤上;
 - 2. 外箱須貼上IPCS外箱標簽至外箱左上角。
- (注: 如果標簽客戶有要求則按客戶要求來貼, 否則按此標簽貼)。



- 1. Pack fail: 25pcs/7E Blue
- 2. 須貼上IPCS標簽至包裝中間位置。

Specification:
 Frequency Range : 2.400~25.000MHz
 51.50~58.25MHz
 Return loss: -9.5dB or less
 VSWR: 1.92:1max
 Gain (Peak): 3dBi

APPROVED	CHECKED	PARAING	DATE
XX ±5.0	X ±1.0	.XX ±0.1	

CUSTOMER:			
PART NO :			
PARTNAME :	RF Antenna Assembly		
P/N0 :	02500029A		
REV	UNIT	SCALE	SIZE
A	mm	1:1	A4

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