

Test Report

for 2.0~4.0GHz Broadband Spiral Antenna



Model: HXATBDBS2040

Chengdu HAIXIN MICROWAVE Technology Co., Ltd

Add: Chengdu 610091, China

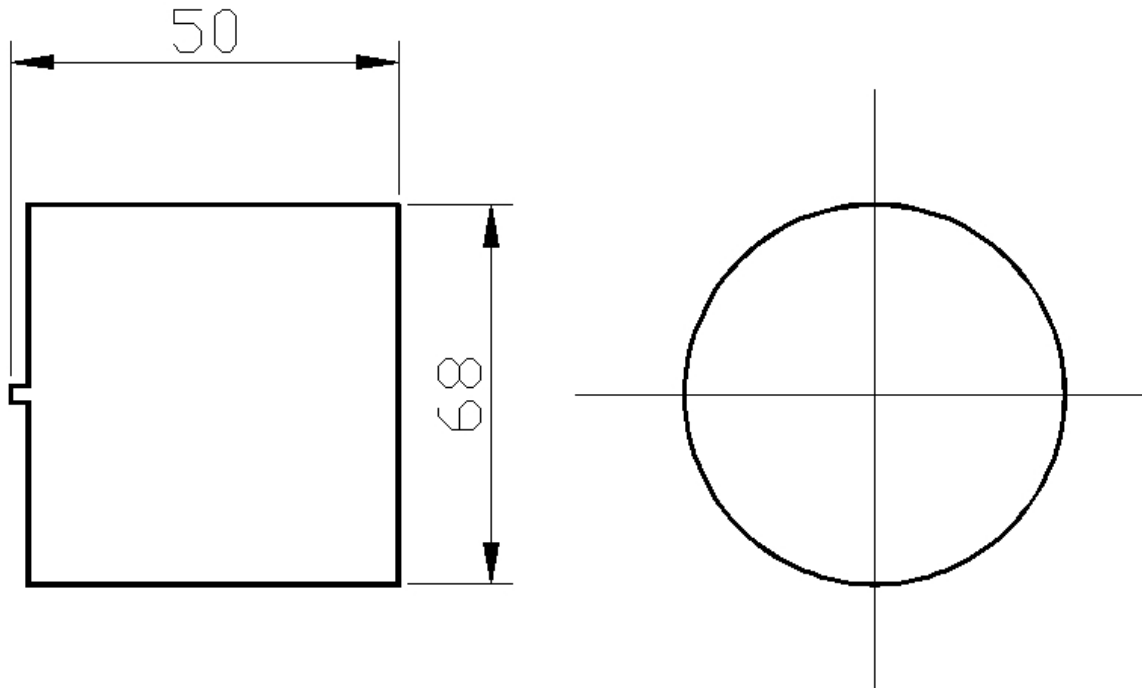
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Outline Drawing (Size: mm)



Technical Specification

Frequency Rang	VSWR	Gain	Connector	Axial Ration	Beam width	Size
2.0~4GHz	2:1	$\geq 1\text{dBic}$	SMA-Female	$\leq 4\text{dB}$	55~120	$\Phi 68\text{mm} \times 50\text{mm}$

Test Instruments

Agilent 83630B
HP8563E
HP8720D

Test Results

1. Gain

Frequency (GHz)	2.0	3.0	4.0
Gain (dBic)	2.2	5.6	6

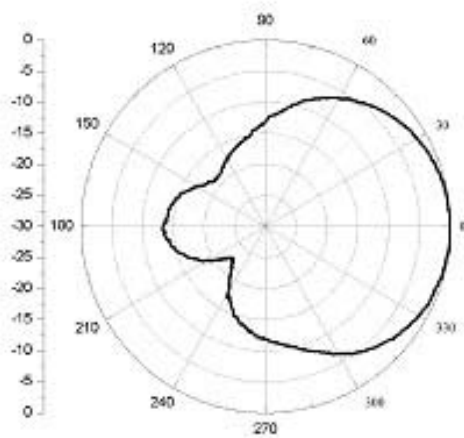
2. Axial Ration

Frequency (GHz)	2.0	3.0	4.0
Axial Ration (dB)	3.8	1.8	2.2

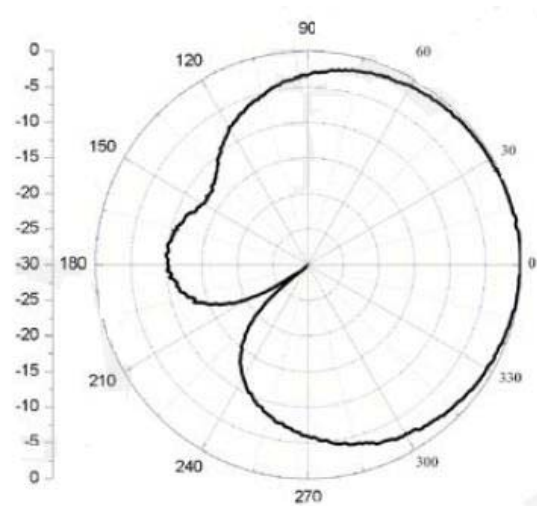
3. Pattern

2000MHz

E Plane

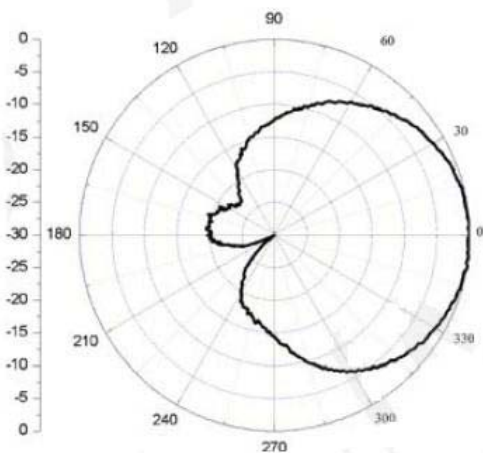


H Plane

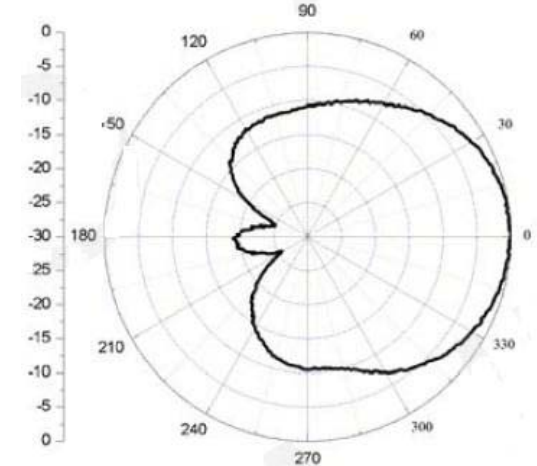


3000MHz

E Plane

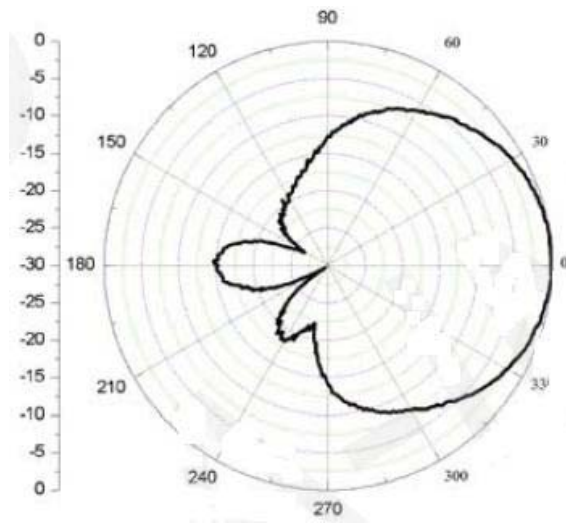


H Plane

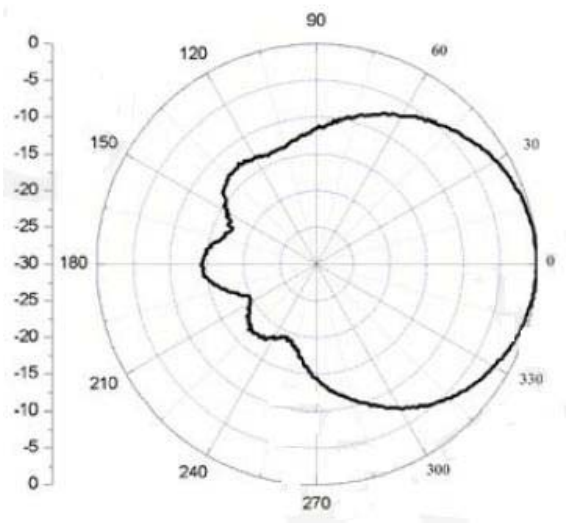


4000MHz

E Plane



H Plane



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