

# Test Report

## for 6.0~18.0GHz Broadband Spiral Antenna



Model: **HXATBDBS60180**

**Chengdu HAIXIN MICROWAVE Technology Co., Ltd**

Add: Chengdu 610091, China

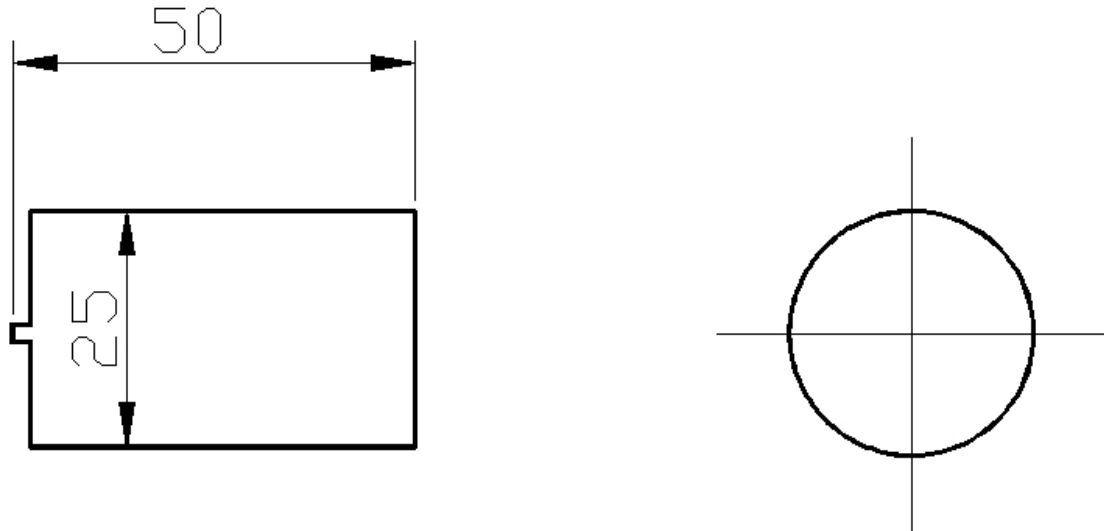
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### Outline Drawing (Size: mm)



### Technical Specification

Frequency Rang	VSWR	Gain	Connector	Axial Ration	Beam width	Size
6.0~18GHz	2.5:1	$\geq 0$ dBic	SMA-Female	$\leq 4$ dB	50~120	$\Phi 25$ mm×50mm

### Test Instruments

Agilent 83630B  
HP8563E  
HP8720D

## Test Results

### 1. Gain

<b>Frequency (GHz)</b>	<b>6.0</b>	<b>10.0</b>	<b>12.0</b>	<b>14.0</b>	<b>18.0</b>
<b>Gain (dBic)</b>	<b>0.6</b>	<b>1.4</b>	<b>2.2</b>	<b>2.1</b>	<b>3.7</b>

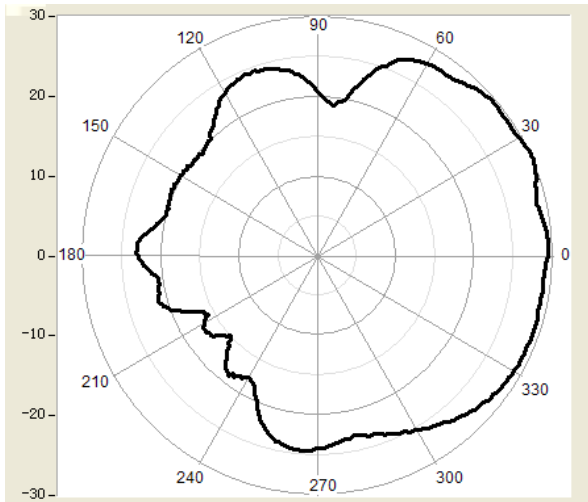
### 2. Axial Ration

<b>Frequency (GHz)</b>	<b>6.0</b>	<b>10.0</b>	<b>12.0</b>	<b>14.0</b>	<b>18.0</b>
<b>Axial Ration (dB)</b>	<b>3.2</b>	<b>3.5</b>	<b>2.8</b>	<b>1.8</b>	<b>1.6</b>

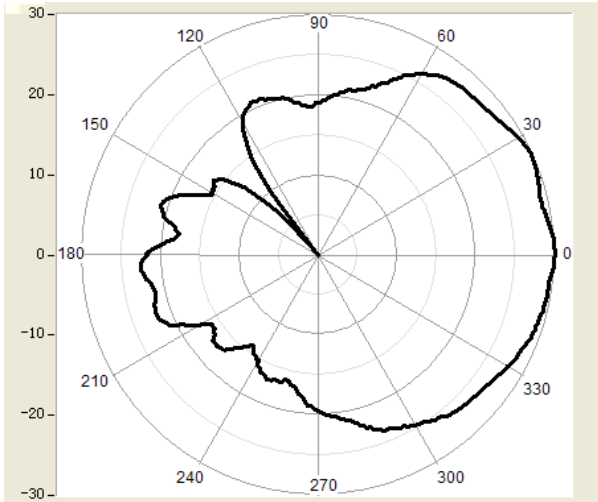
### 3. Pattern

6000MHz

E Plane (114° )

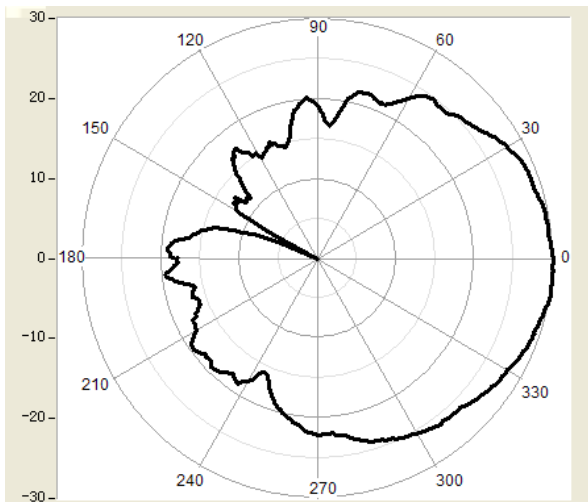


H Plane (92° )

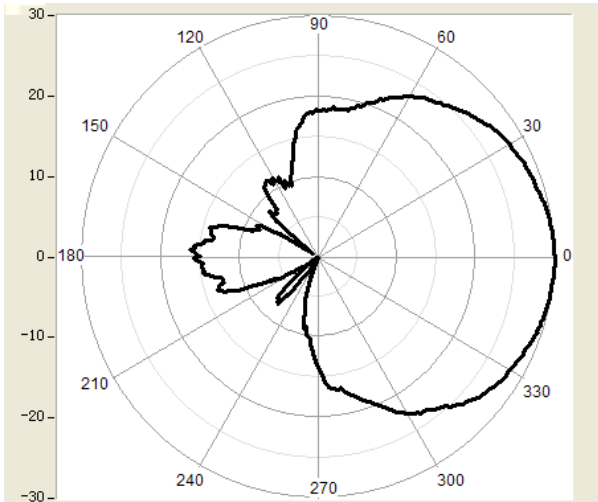


10000MHz

E Plane (73° )

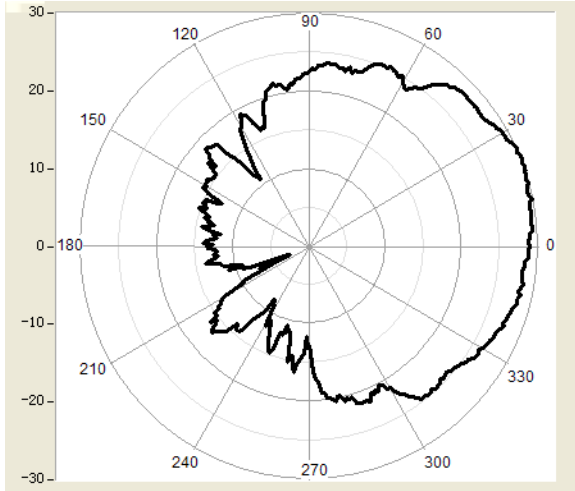


H Plane (76° )

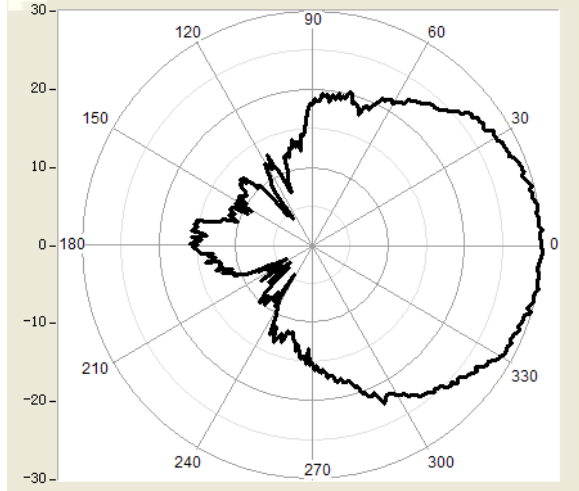


12000MHz

E Plane (74° )

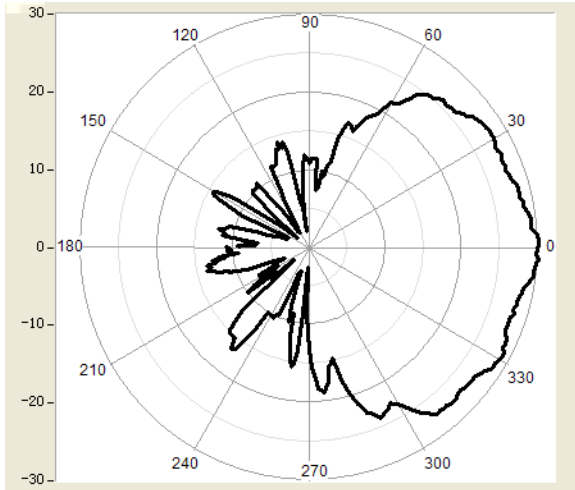


H Plane (68° )

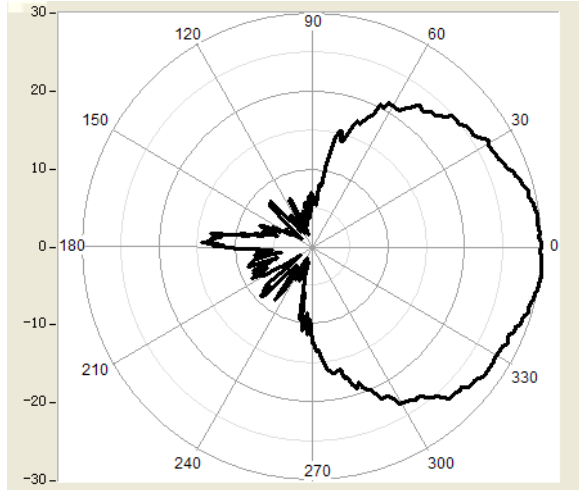


18000MHz

E Plane (74° )



H Plane (77° )



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