

# Test Report

## for 18~26.5GHz Broadband Spiral Antenna



Model: HXATBDBS18265

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

Add: Chengdu 610091, China

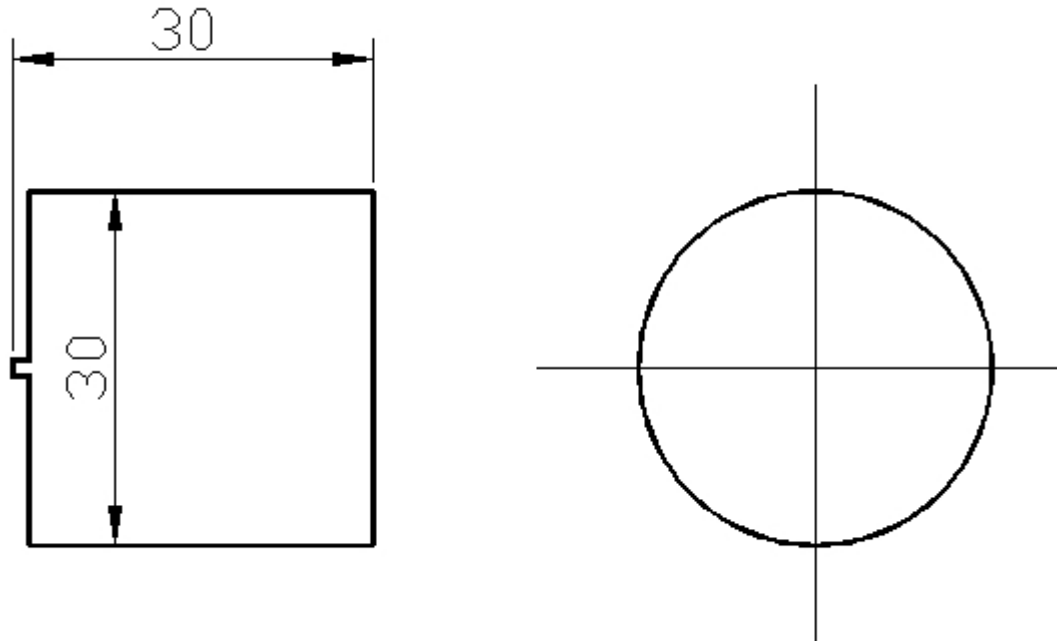
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### Outline Drawing (Size: mm)



### Technical Specification

Frequency Rang	VSWR	Gain	Connector	Axial Ration	Beam width	Size
18~ 26.5GHz	2.5:1	$\geq -4\text{dBic}$	SMA-Female	$\leq 3\text{dB}$	55~120	$\Phi 30\text{mm} \times 30\text{mm}$

### Test Instruments

Agilent 83630B  
HP8563E  
HP8720D

## Test Results

### 1. Gain

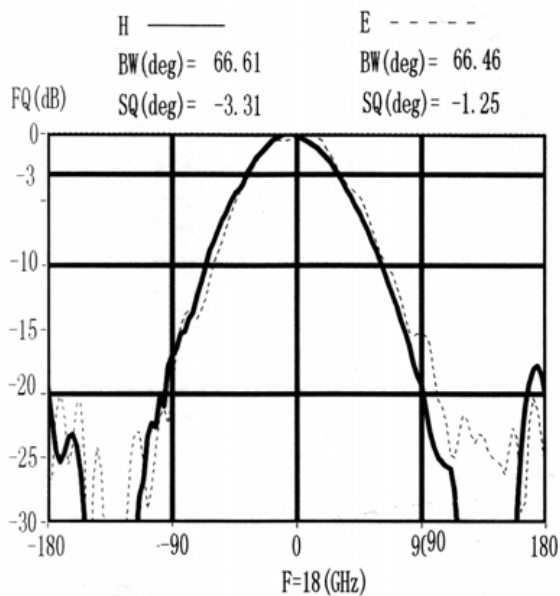
<b>Frequency (GHz)</b>	<b>18.0</b>	<b>20.0</b>	<b>22.0</b>	<b>24.0</b>	<b>26.5</b>
<b>Gain (dBic)</b>	<b>2</b>	<b>0.5</b>	<b>-0.3</b>	<b>-1.1</b>	<b>-3</b>

### 2. Axial Ratio

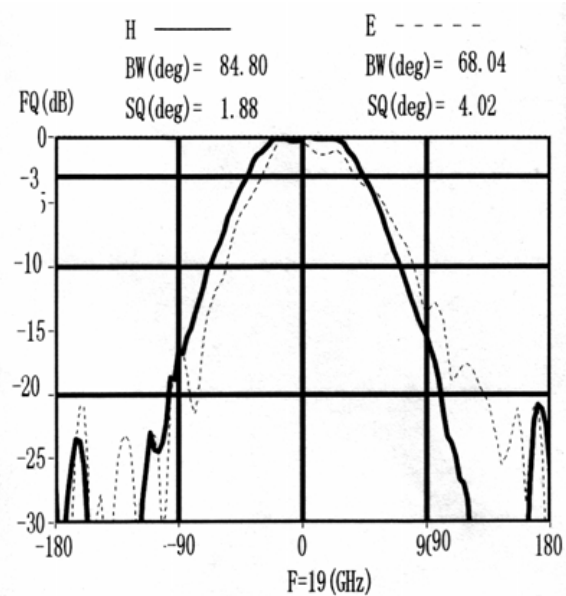
<b>Frequency (GHz)</b>	<b>18.0</b>	<b>20.0</b>	<b>22.0</b>	<b>24.0</b>	<b>26.5</b>
<b>Axial Ratio (dB)</b>	<b>1.5</b>	<b>1.3</b>	<b>1.2</b>	<b>1.5</b>	<b>1.8</b>

### 3. Pattern

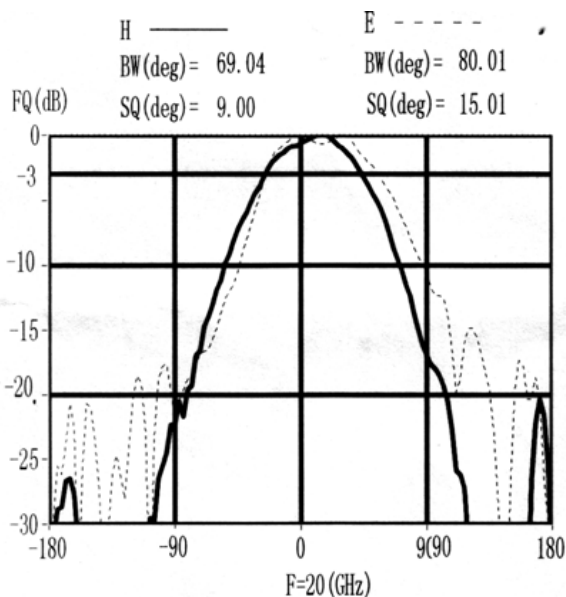
#### 18GHz



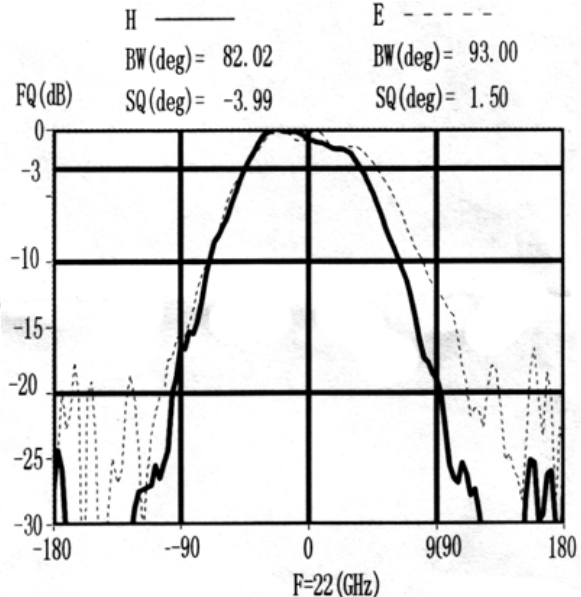
#### 19GHz



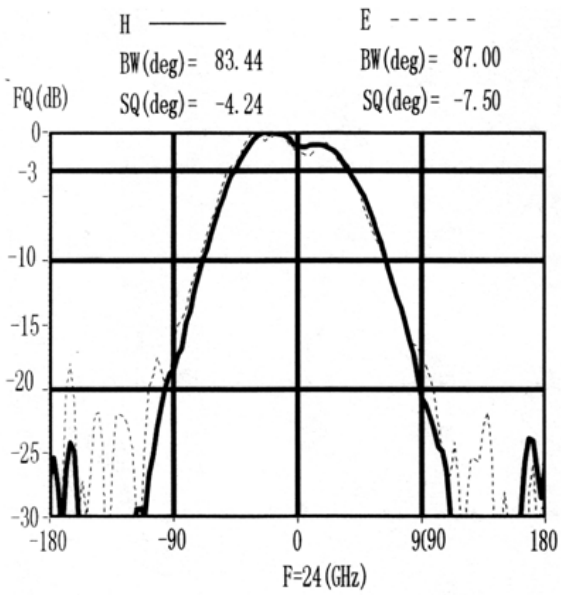
#### 20GHz



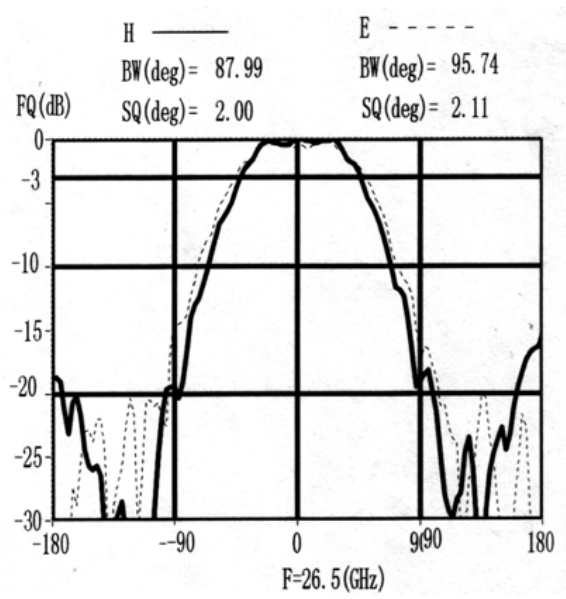
#### 22GHz



### 24GHz



### 26.5GHz



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