

Test Report

for 2.0~18.0GHz Broadband Spiral Antenna



Model: HXATBDBS20180A

Chengdu HAIXIN MICROWAVE Technology Co., Ltd

Add: Chengdu 610091, China

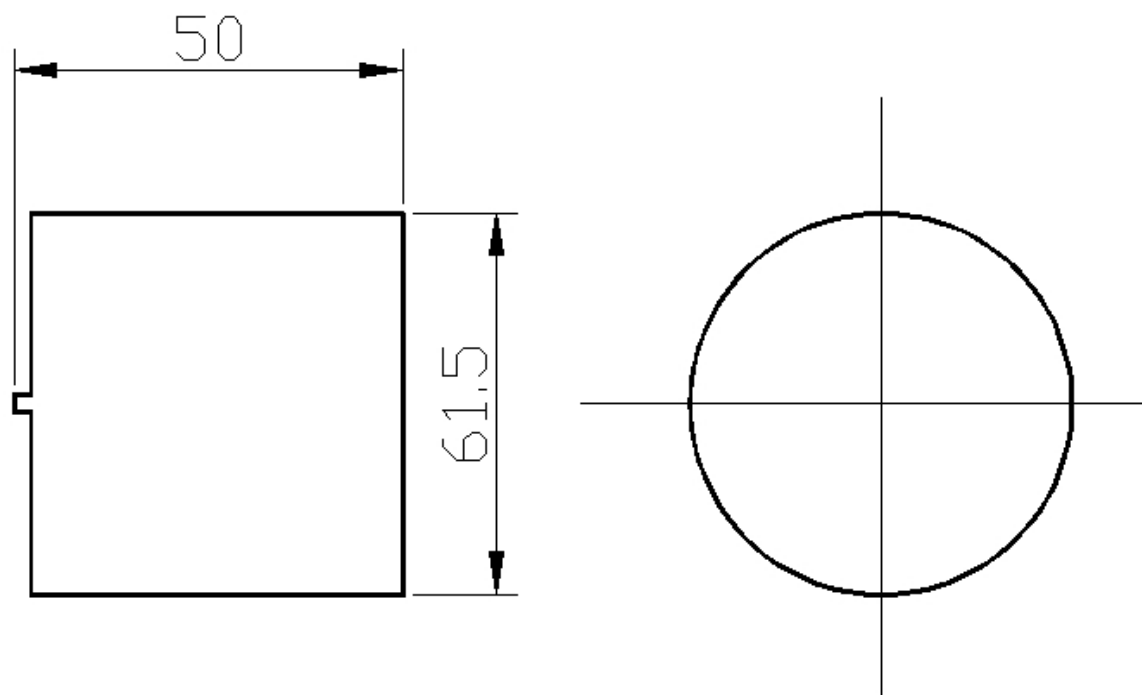
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Outline Drawing (Size: mm)



Technical Specification

Frequency Rang	VSWR	Gain	Connector	Axial Ration	Beam width	Size
2.0~18GHz	2.5:1	$\geq -7\text{dBic}$	SMA-Female	$\leq 3\text{dB}$	55~135	$\Phi 61.5\text{mm} \times 50\text{mm}$

Test Instruments

Agilent 83630B
HP8563E
HP8720D

Test Results

1. Gain

Frequency (GHz)	2.0	6.0	10.0	14.0	18.0
Gain (dBic)	-7	3	3	1	-1

2. Axial Ration

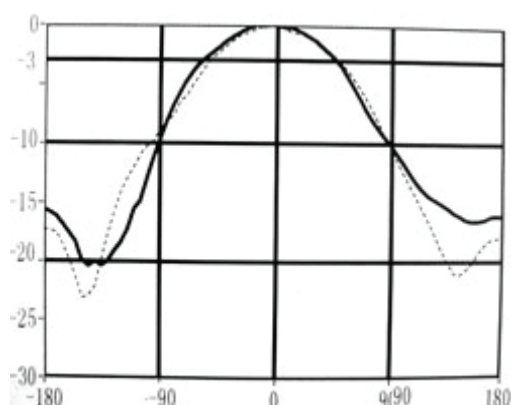
Frequency (GHz)	2.0	6.0	10.0	14.0	18.0
Axial Ration (dB)	2.2	0.9	1	1.8	2.7

3. Pattern

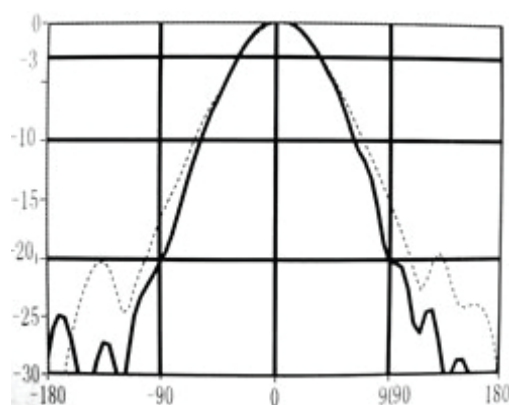
E Plane- - - -

H Plane-----

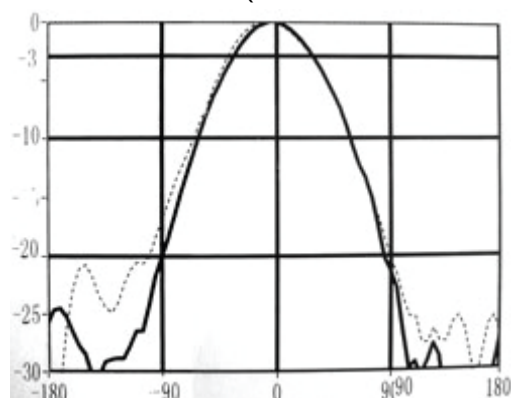
2000MHz(100° /103°)



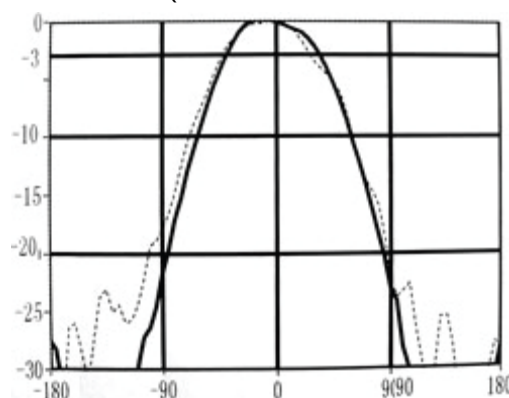
6000MHz(67° /64°)



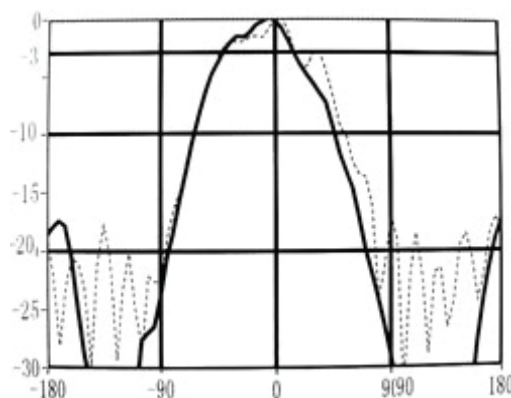
8000MHz(66° /62°)



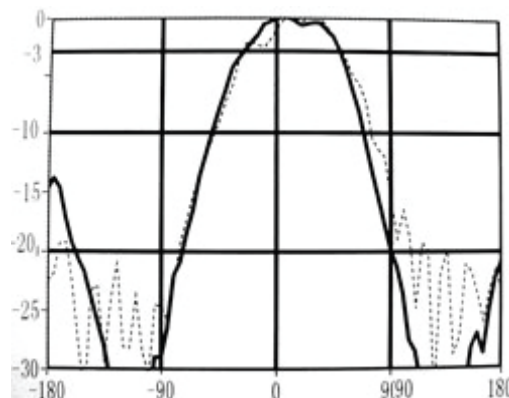
12000MHz(70° /74°)



16000MHz(59° /55°)



18000MHz(78° /76°)



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