

Test Report

for 2.0~18.0GHz Broadband Spiral Antenna



Model: HXATBDBS20180B

Chengdu HAIXIN MICROWAVE Technology Co., Ltd

Add: Chengdu 610091, China

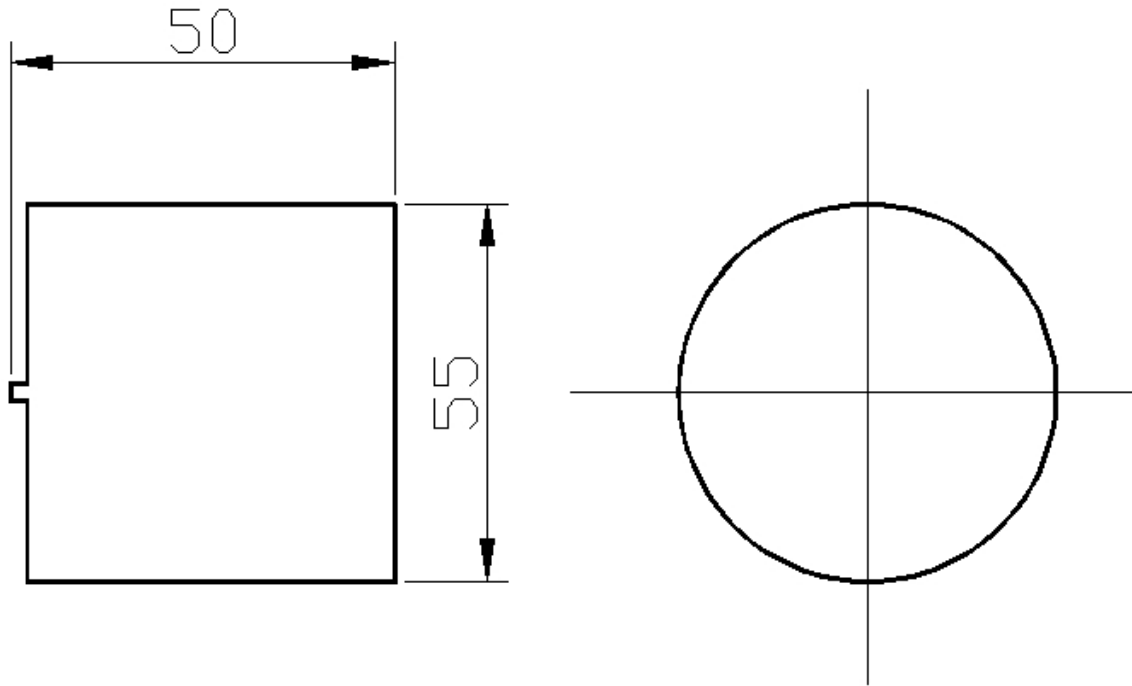
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Email: sale@hxmicrowave.com

Outline Drawing (Size: mm)



Technical Specification

| Frequency Rang | VSWR | Gain | Connector | Axial Ration | Beam width | Size |
|----------------|-------|----------------------|------------|-------------------|------------|---------------------------------------|
| 2.0~18GHz | 2.5:1 | $\geq -4\text{dBic}$ | SMA-Female | $\leq 4\text{dB}$ | 55~135 | $\Phi 55\text{mm} \times 50\text{mm}$ |

Test Instruments

Agilent 83630B
 HP8563E
 HP8720D

Test Results



1. Gain

| | | | | | |
|-----------------|------|-----|-----|------|------|
| Frequency (GHz) | 2.0 | 4.0 | 8.0 | 12.0 | 18.0 |
| Gain (dBic) | -3.5 | 1.4 | 1.6 | 1.7 | 1.8 |

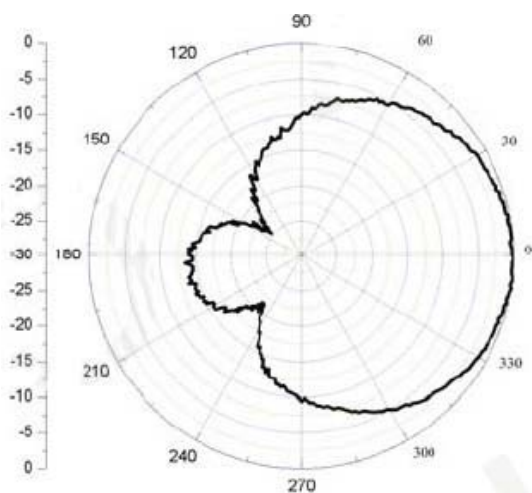
2. Axial Ration

| | | | | | |
|-------------------|-----|-----|-----|------|------|
| Frequency (GHz) | 2.0 | 4.0 | 8.0 | 12.0 | 18.0 |
| Axial Ration (dB) | 3.4 | 1.9 | 2.7 | 1.8 | 3 |

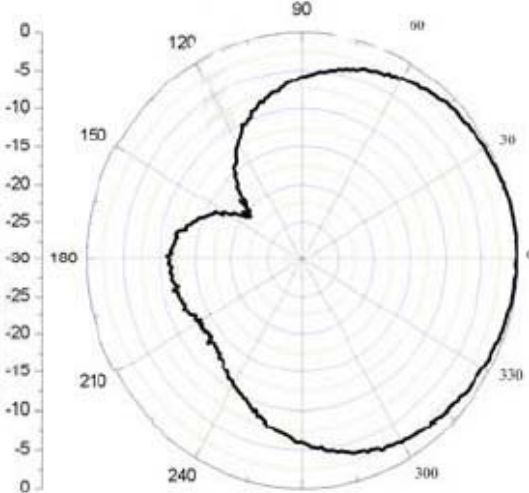
3. Pattern

2000MHz

E Plane (100°)

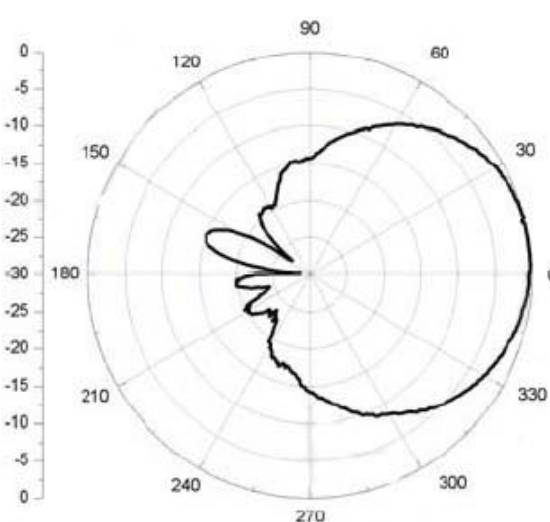


H Plane (135°)

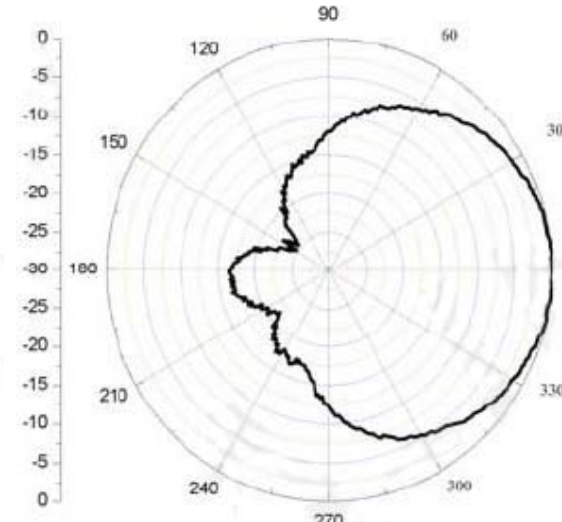


8000MHz

E Plane (65°)



H Plane (80°)



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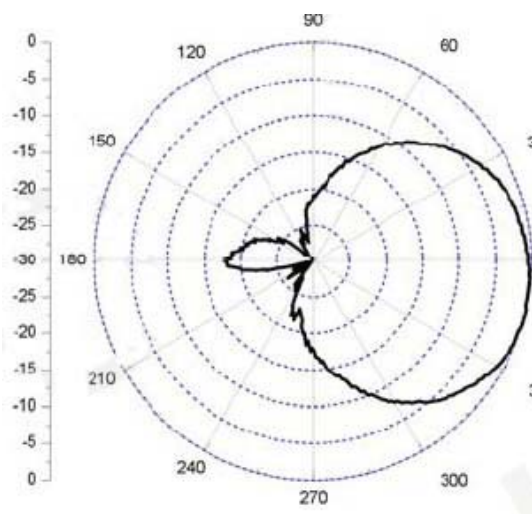
Website: www.hxmwave.com

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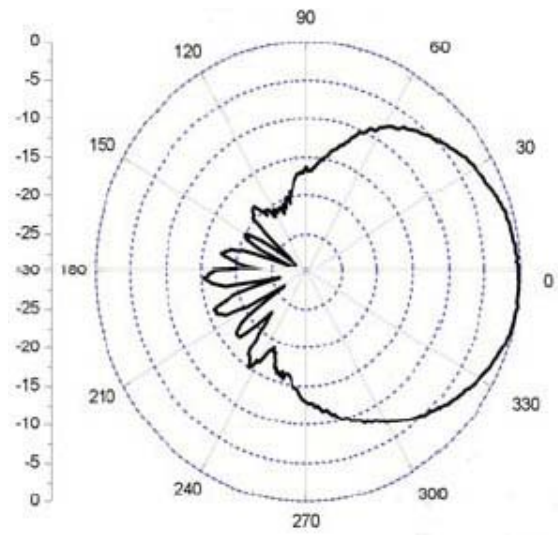
Email: sale@hxmwave.com

12000MHz

E Plane (65°)

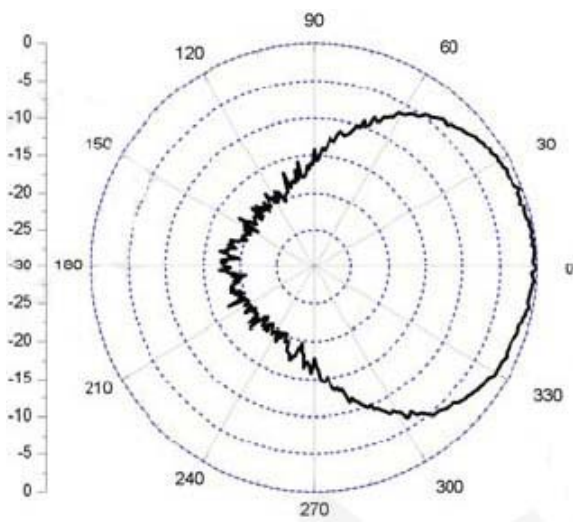


H Plane (75°)

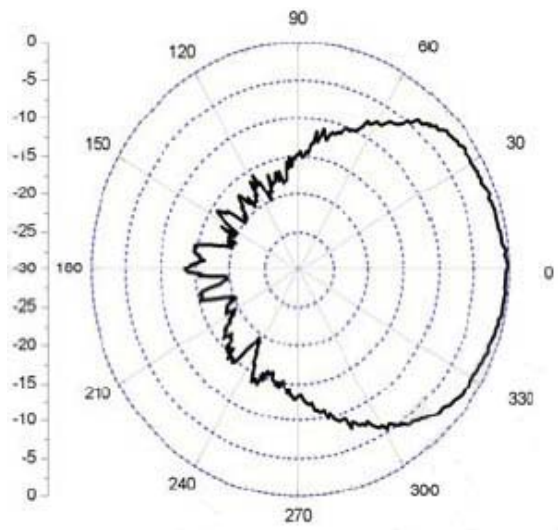


18000MHz

E Plane (75°)



H Plane (95°)



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