



深圳市鑫恒阳科技有限公司

<https://www.xhy-2008.com>

Number	Effective date	Change record
V1.0	2024-07-23	Initial release



深圳市鑫恒阳科技有限公司

<https://www.xhy-2008.com>

一、基本参数

W.01.00001061

A. Electrical Characteristics	
Frequency	860MHz-915MHz
VSWR	< 2.0
Avg Efficiency	>30%
Impedance	50 ± 25 Ohm
Polarization	
Peak Gain	0.61dBi
B. Material & Mechanical Characteristics	
Material of Radiator	AP 胶棒天线 Black
Cable Type	/
Connector Type	SMA-J
Dimension	87mm±3mm
C. Environmental	
Operation Temperature	- 20 °C ~ + 60 °C
Storage Temperature	- 30 °C ~ + 70 °C



深圳市鑫恒阳科技有限公司

<https://www.xhy-2008.com>

二、电性规格

Those specifications were specially defined for AP 胶棒天线 model.

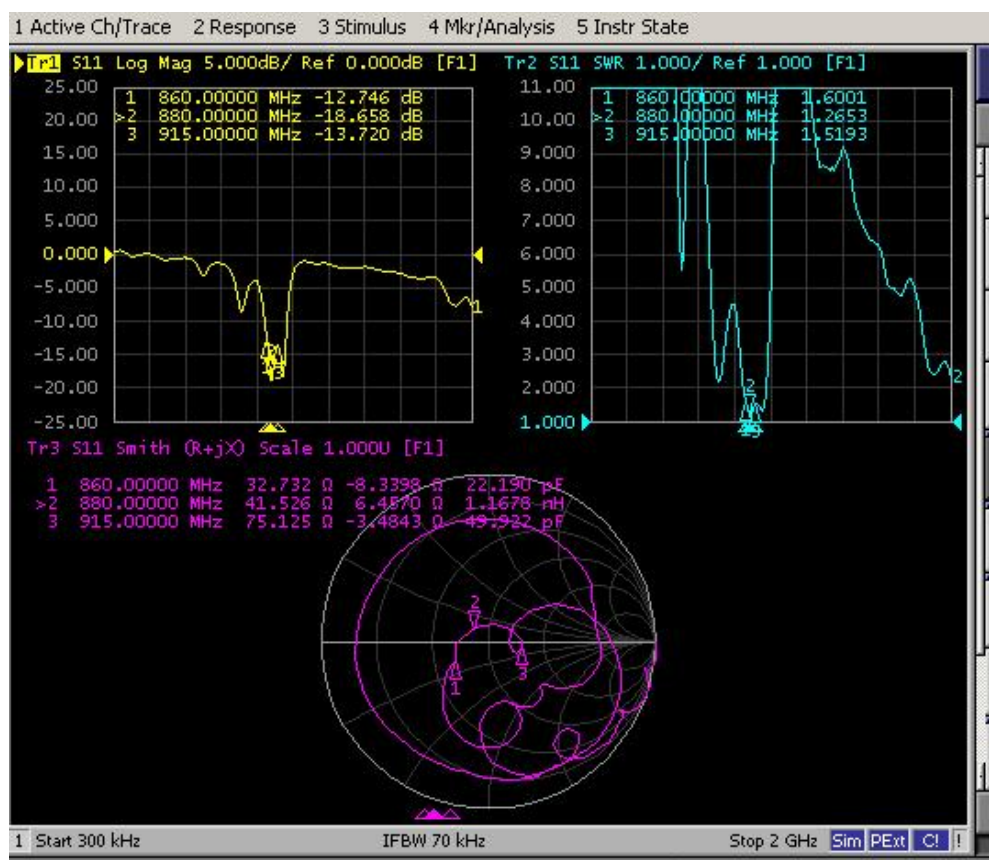
三、VSWR

1 测量方法

1.A 50Ω coaxial cable is connected to the antenna. Then this cable is connected to a network analyzer to measure the VSWR

2.Keeping this jig away from metal at least 20cm

2 测量频率点和驻波比





深圳市鑫恒阳科技有限公司

<https://www.xhy-2008.com>

四、 暗室简介

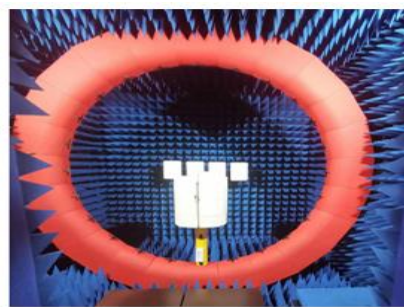
Introduction:

Microwave darkroom and no reflection chamber, absorbing short wave darkroom dark room. Microwave darkroom by electromagnetic shielding room, filtering and isolation, grounding device, the ventilation duct, indoor distribution system, monitoring system, ceiling wave material part. It is based on the wave absorbing material as the lining of the shield room, it can absorb the most of the electromagnetic energy into the six wall is a better simulation of the free space conditions.

The main working principle of microwave anechoic chamber is according to the electromagnetic wave in the medium from the low magnetic guide magnetic direction of propagation rules, absorbing materials to guide the electromagnetic wave using high permeability, through resonance, a substantial absorption of electromagnetic wave radiation energy, by coupling the electromagnetic energy into heat energy.

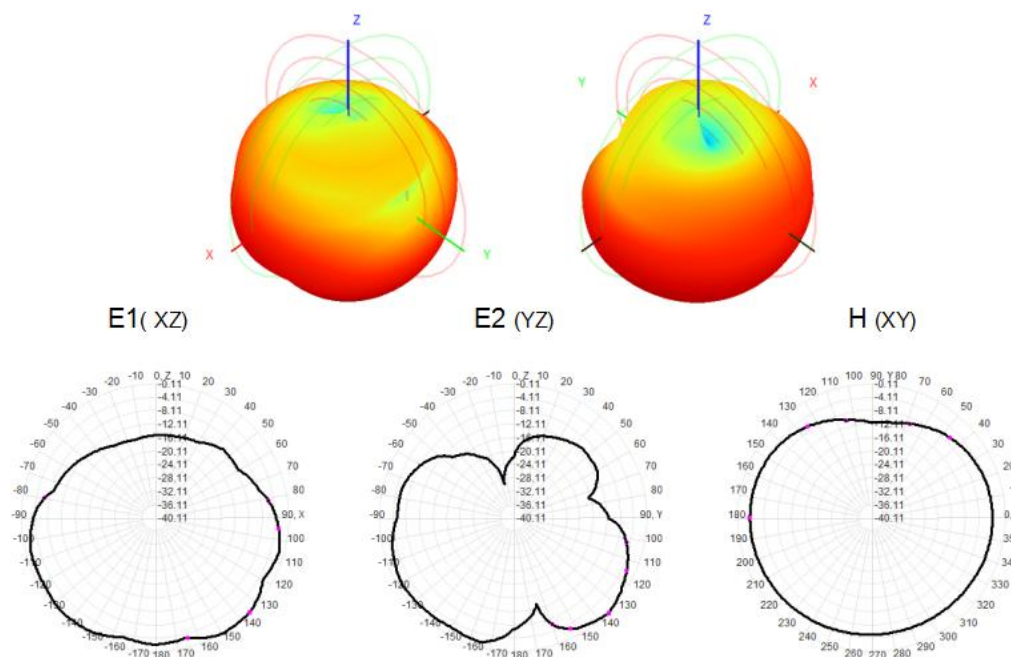
main performance :

Frequency range:400MHz ~ 6GHz ceiling reflected wave loss materials: 400MHz ~ 6GHz is equal to or more than 15dB (microwave absorbing material by composite wave absorbing materials, namely tapered containing carbon sponge suction wave material paste in ferrite)



五、天线性能

无源场型图-860MHZ-915MHZ



无源效率增益

Frep (MHz)	Effi (%)	Gain (dBi)
860	31.65	-0.07
865	32.27	-0.05
870	33.29	-0.01
875	34.47	0.02
880	35.58	0.05
885	37.14	0.18
890	38.51	0.36
895	39.46	0.53
900	39.54	0.59
905	38.80	0.61
910	37.21	0.54
915	35.17	0.47



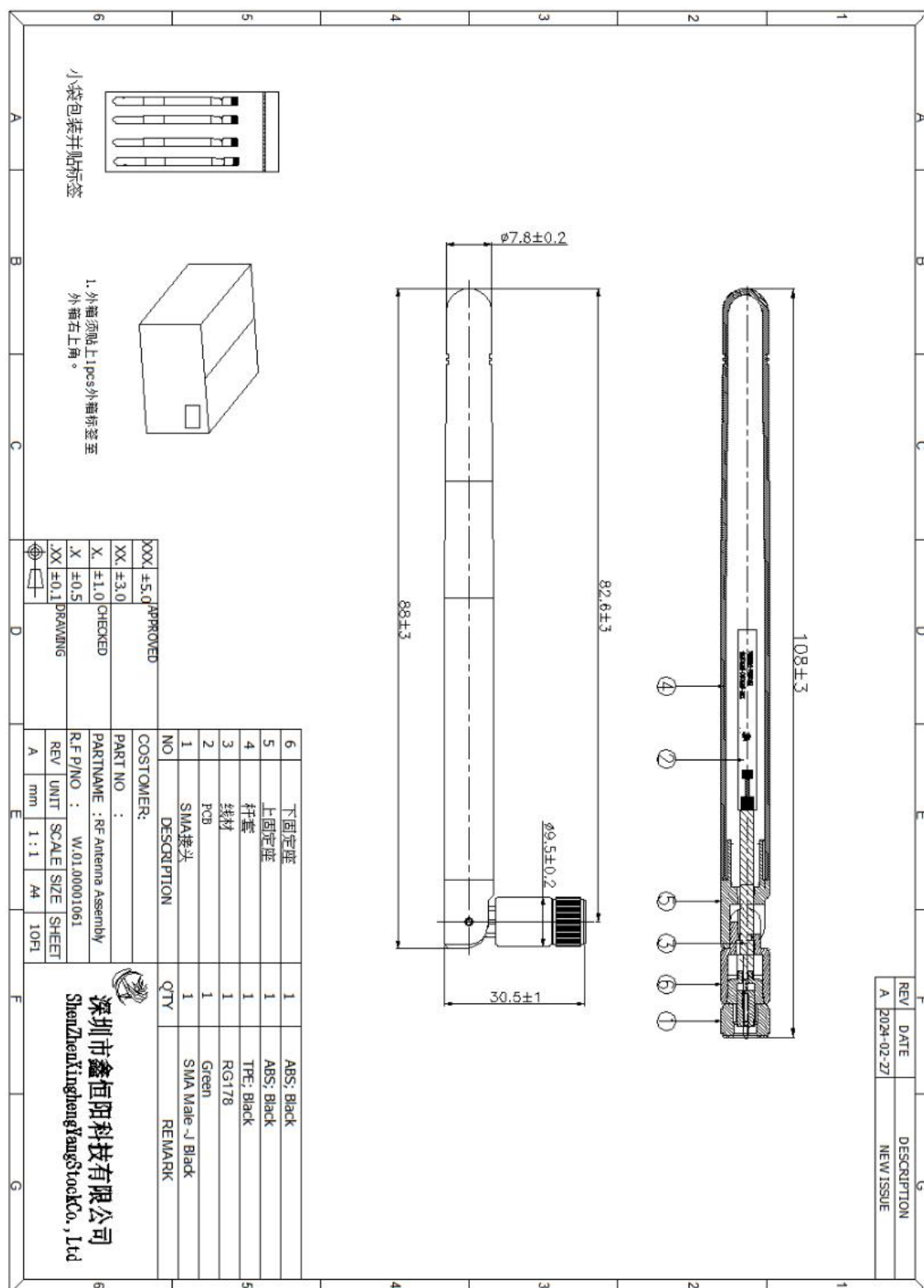
深圳市鑫恒阳科技有限公司

<https://www.xhy-2008.com>

六、天线图片



七、天线图纸尺寸





深圳市鑫恒阳科技有限公司

<https://www.xhy-2008.com>

八、ROHS

Antenna W. 01. 00001061 meets RoHS requirements.

九、 产品包装说明

A. packing should meet the moistureproof, vibration, pressure and mildew proof, etc.

B. the smallest packing unit logo must have the manufacturer trademarks, product model, name, code and quantity.

C. in the attached packing list, certificate of approval, and the factory inspection report.

*****END*****