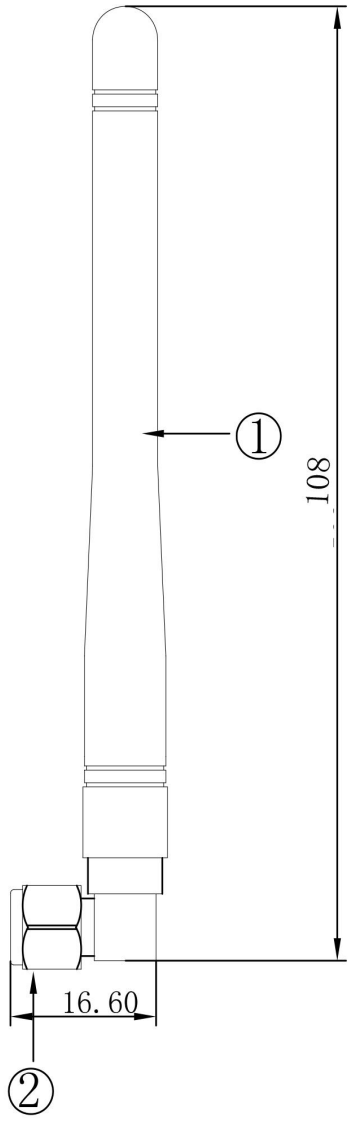
RoHS Compatible

序号	日期	原因	确认人
A			
B			
C			



No.	Part Number	Description	Material	Finished	O'ty
2	HX-SMAM-09	SMA Male M	Brass	Gold Plated	1
1	HX-AN106-01	Antenna Body	TPE	Black	1

东莞市千木电子科技有限公司

零件名称	2.4GAP Antenna	产品名称	2.4GAP Antenna
零件料号	HX-A13	产品料号	HX-A13
缩放比例	NONE	单位	mm

核准人	审核人	制图人	尺寸公差	Rev.
		张文	x. ±0.5 x.x ±0.1 x.xx ±0.05 x° ±1°	A

Index:

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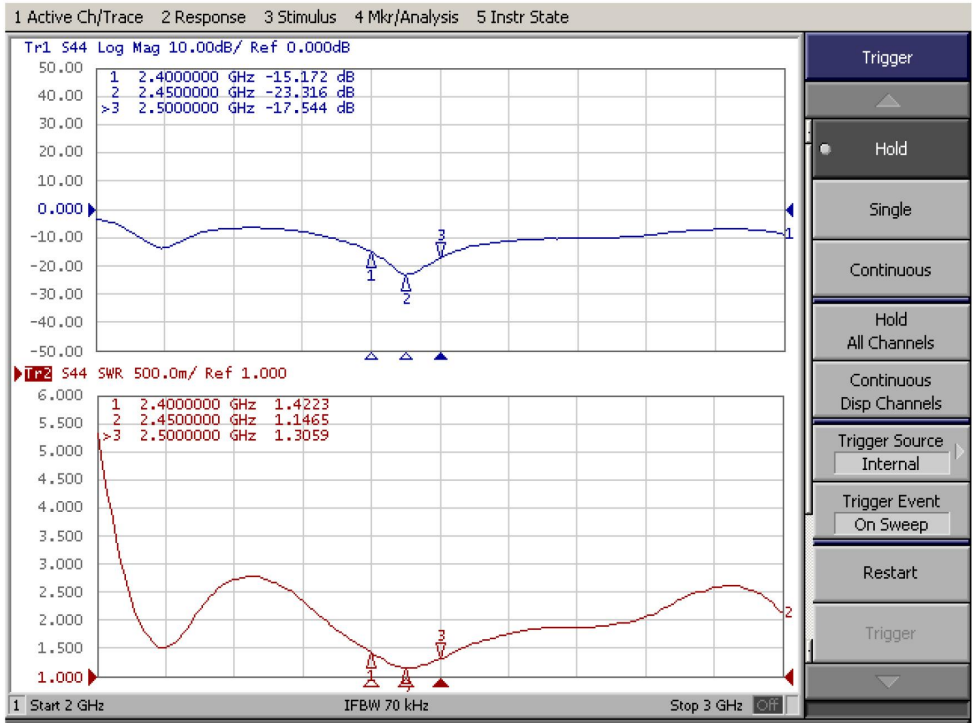
1. Reliability Testing

Test Item	Procedure	Requirement
1. Visual inspection and Dimension Check	Applicable methods using x5 magnification	follow specification
2. Rapid Changing of Temperature	-40˚C (30minutes) to 80˚C (30minutes); 24 cycles	After 2 hours recovery: 1. no visible damage 2. bandwidth tolerance < ±5%
3. Damp Heat	24 hours at 60˚C; 90 ~ 95% RH	After 2 hours recovery: 1. no visible damage 2. bandwidth tolerance < ±5%
4. Endurance	24 hours at 80˚C	After 2 hours recovery: 1. no visible damage 2. bandwidth tolerance < ±5%
5. Connector Pull Strength Test	>= 1.0 Kg	Hold 2~3S: 1. no visible damage 2. bandwidth tolerance < ±5%

2. Specification

A. Electrical Characteristics	
S.W.R.(Tested in PC)	<= 2.0 @ 2400~2500 MHz
Typical Antenna Gain	2.0dBi
Impedance	50 Ohm
B. Material	
Material of Radiator	CU
Connector Type	SMA
C. Environmental	
Operation Temperature	- 30 ˚C ~ + 85 ˚C
Storage Temperature	- 30 ˚C ~ + 85 ˚C

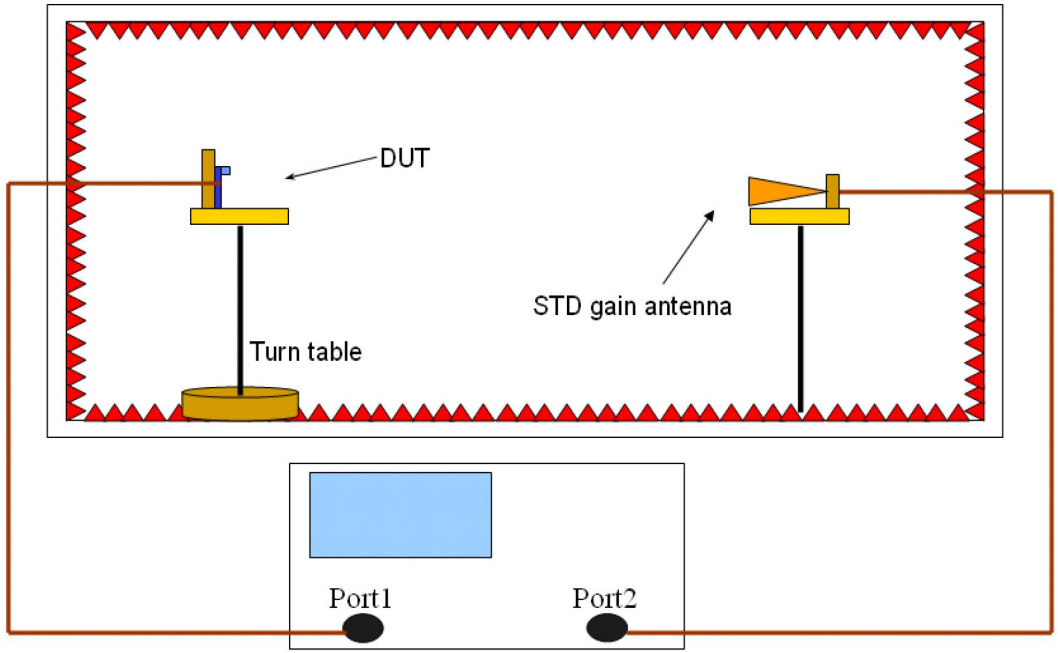
3. S.W.R. Testing Result



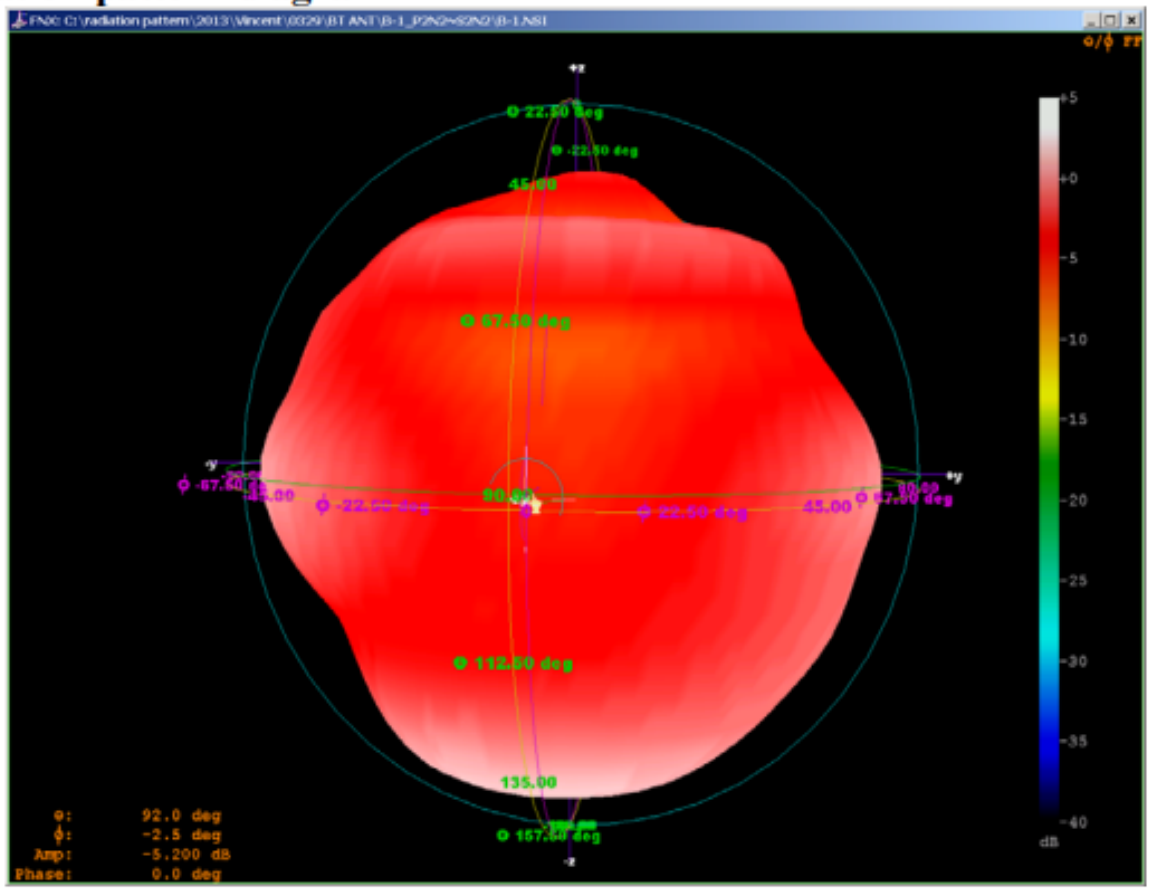
4. Antenna Radiation Pattern

Testing Equipment Specification:

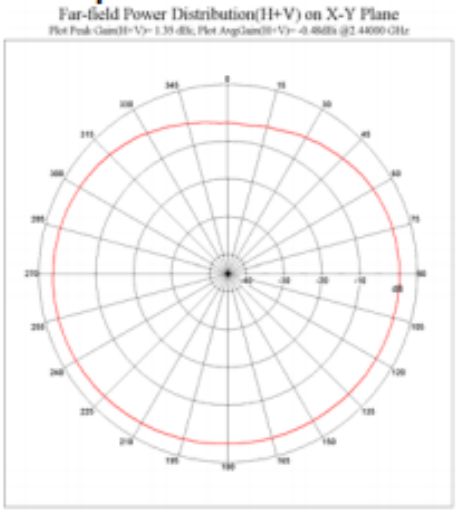
Antenna Anechoic Chamber Dimension: 8 x 4 x 4 m
Quite Zone: 600mm @1 GHz
Isolation: >100dB @ 1 MHz ~ 10 GHz
Testing Equipment: Agilent 5071B
Received Antenna: 0.7 ~ 6.0 GHz for Gain Calibration
Double Ridged Horn Antenna



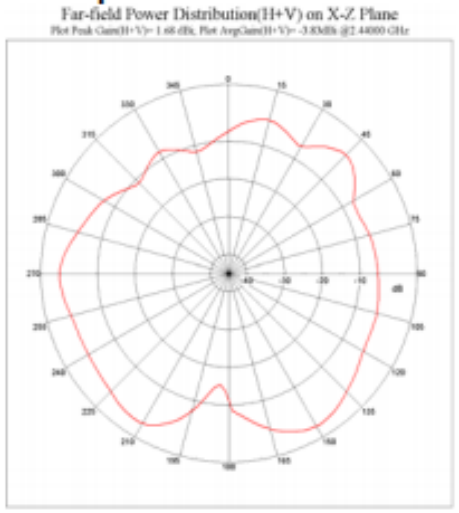
3D radiation pattern diagram



XY-plane



XZ-plane



YZ-plane