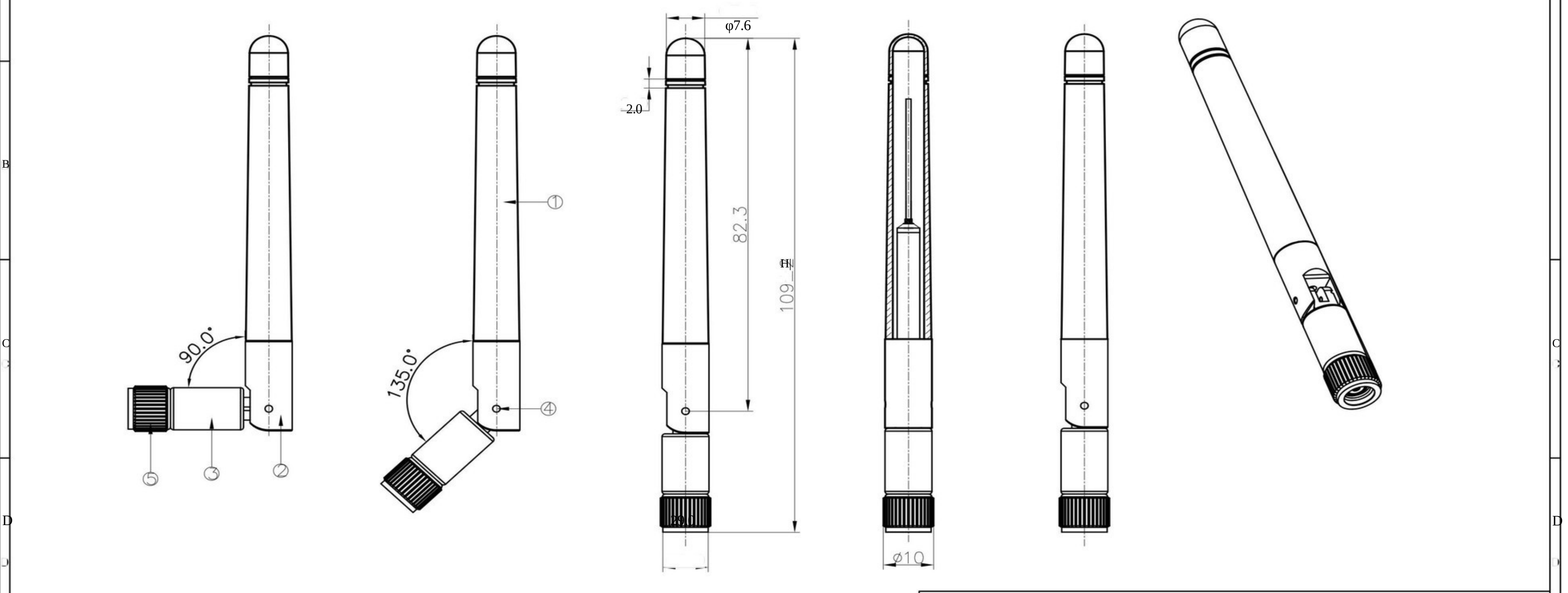


1	2	3	4	five	Serial number	date	cause	Confirming
					person			
					A			
					B			



7	HX-RG-78U	wire rod	RG178 L=85.00mm	one
six	HX-AN0104-05	brass	Brass 04.5*23mm	one
five	SMA260-ZG8MRANT	SMA male pin	Copper is black.	
one				
four	HX-AN01-1213Z	Positioning column	Black zinc plating on copper	
three	HX-AN57-01	Connecting cylinder	PA-6 black	one
2	HX-AN57-02	connector	PA-6 black	one
one	HX-AN57-03	Plastic body	TPE	1 Chen Hui
No.	Part Number	Name	Material	Qty
1				
2				
three				
four				
five				
six				
seven				
x				
8				

part name	Small s antenna 2.4G 2DB	product name	Small s antenna 2.4G 2DB
Part item number	HX-A04-WIFI	Product item	
number HX-A04-WIFI.dwg			
one	scaling	NONE	unit mm
Approver	reviewer	mapper	Dimensional tolerance
			x. Shi 0.5
			x.x ±0.1
			X.xx main 0.05
			Rev.
			A

Index:

1.Reliability Testing

2.Specification

3.S Parameter Test Data

4.Antenna Radiation Pattern

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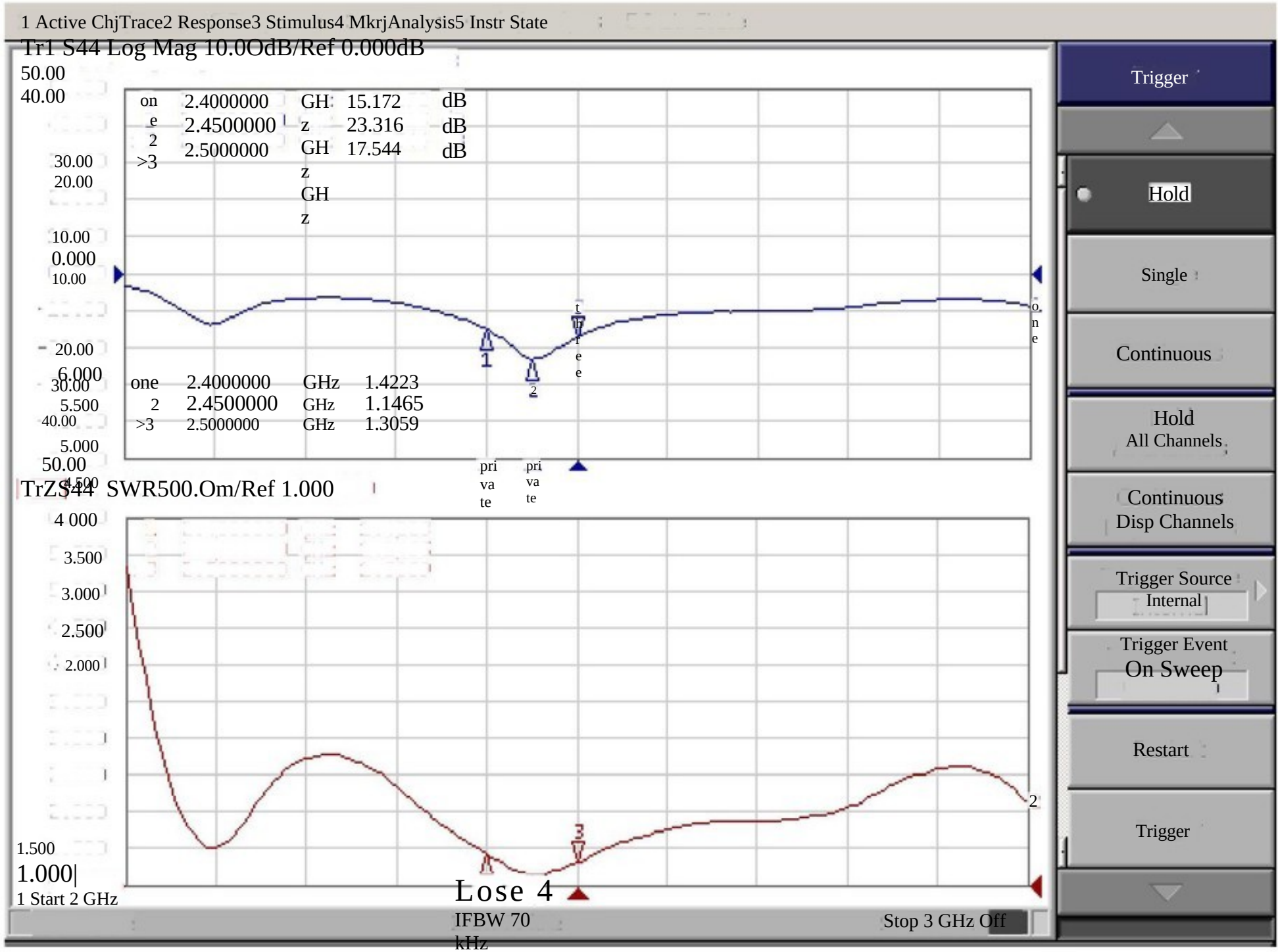
1. Reliability Testing

Test Item	Procedure	Requirement
1. Visual inspection	Applicable methods	follow specification
and Dimension Check	using x5 magnification	
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) Typical	<=2.0	2400~2500
Antenna Gain Impedance	@	MHz
B.Material	2.0dBi	
Material of Radiator Connector	50 Ohm	
Type Material of Coaxial Cable		
C.Environmental		
Operation Temperature	CU	
Storage Temperature	SMA	
	RG-178	
	mm	
	30°C~+85°C	
	-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

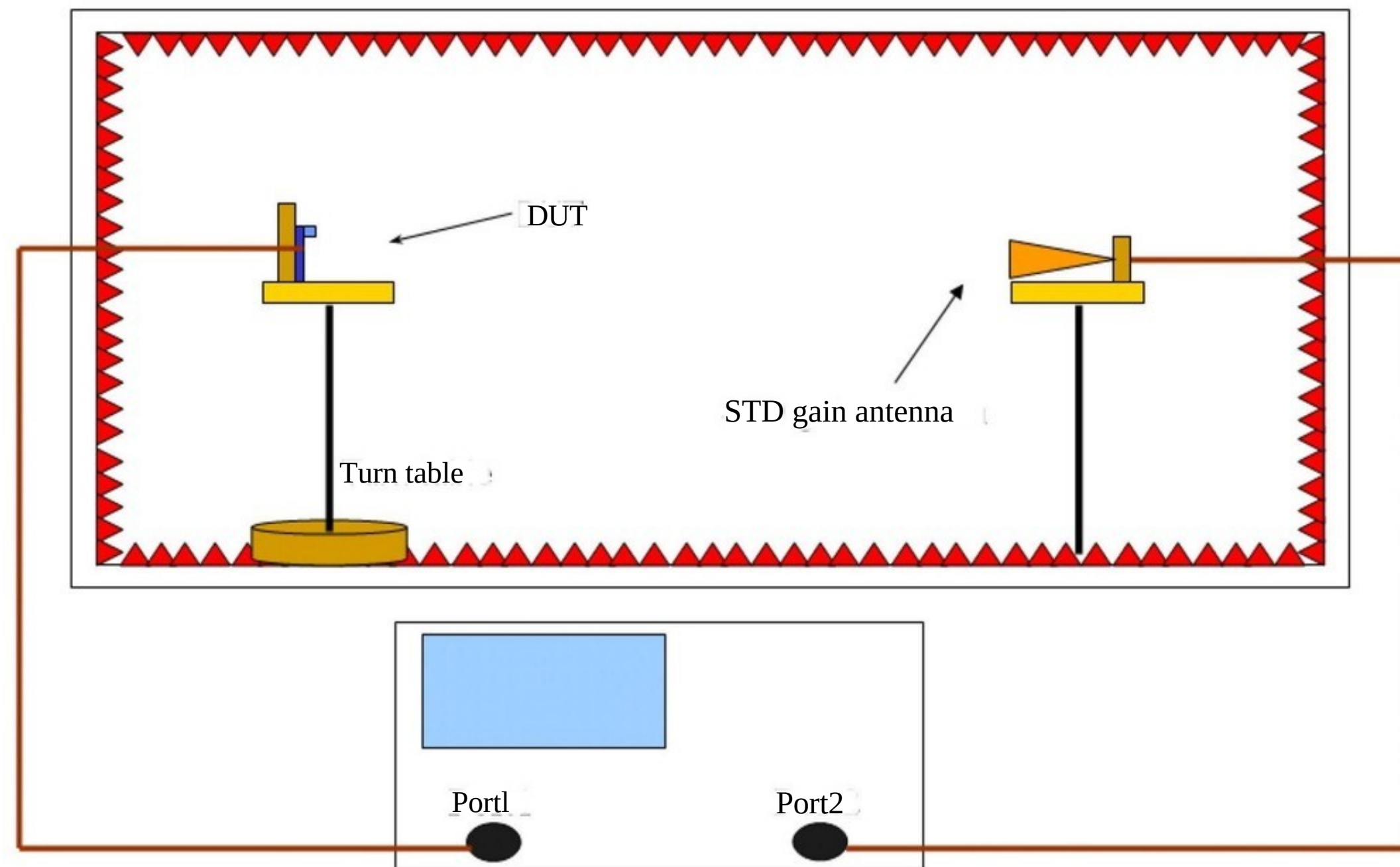
Quiet Zone: 600mm @ 1 GHz

Isolation: >100dB @ 1MHz~10 GHz

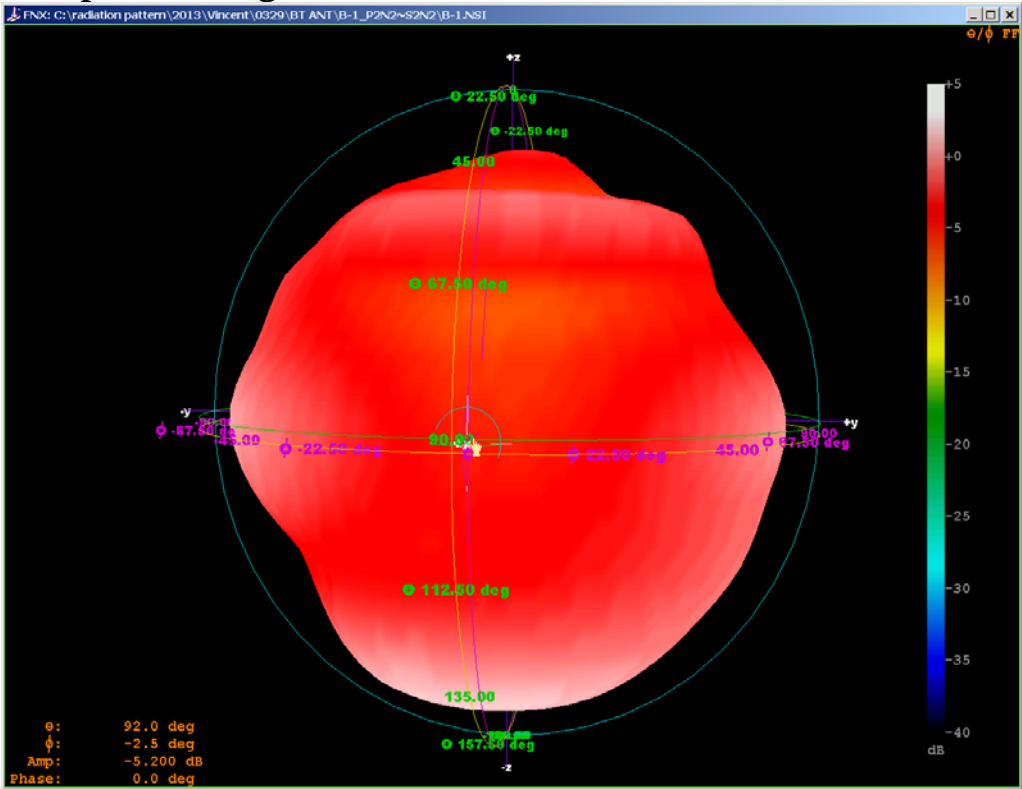
Testing Equipment: Agilent 5071B

Received Antenna: 0.7~6.0 GHz for Gain Calibration

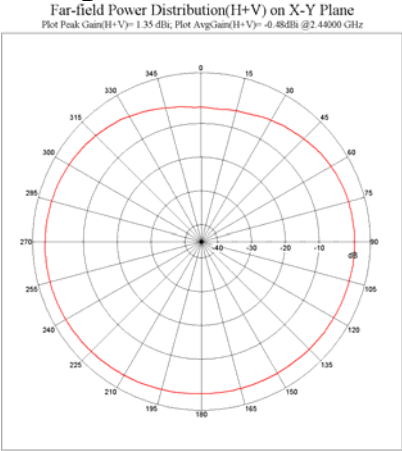
Double Ridged Horn Antenna



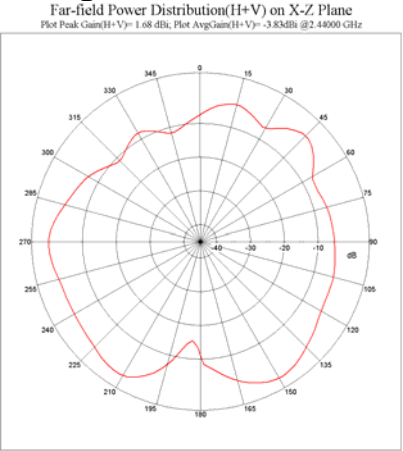
3D radiation pattern diagram



XY-plane



XZ-plane



YZ-plane

