

CW-WZ-0080

2.4-2.5G External Antenna

Key Features

Frequency: 2.4-2.5G

SMA Male Connector

External Rubber

Dimensions 14*18.3 mm



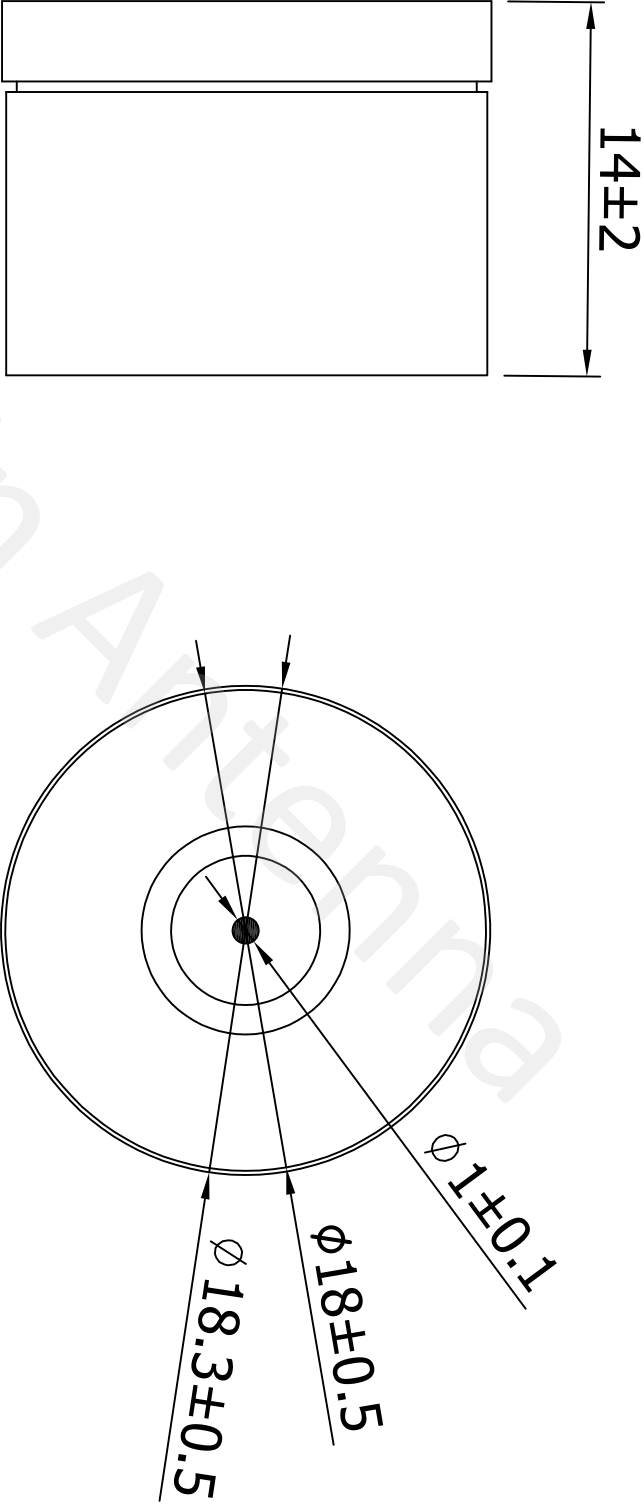
1. Antenna Electrical Characteristics

Band (MHz)	
Frequency (MHz)	2.4-2.5G
VSWR	2:1
Efficiency (%)	44.41%
Peak Gain (dBi)	1.54
Impedance (Ohm)	50
Polarisation	Vertical
Max. Input Power (W)	10
Connector Type	SMA Male

2. Material and environmental characteristics

Inner structure	Spring
Material of Plastic	POM
Cable Type	N/A
Connector Type	SMA Male
Dimensions (mm)	14*18.3MM
Antenna color	Black
Operation Temperature	-40 to +80
Storage Temperature	-40 to +80
Antenna Storage life(year)	10
Substance Compliance	ROHS

REV	Date	Description
X1	2022/06/27	New issue



Specification(Free Test):
Frequency Range: 2.4-2.5G
Impedance: 50Ω
V.S.W.R: ≤2.0
100% Continuity,short and open circuit test
Materials,parts and process must by environmentally (ROHS)

3	Rod sleeve	Black ABS	1	
2	Spring	Brass	1	
1	Connector	SMA Male	1	
NO	Name	Description	Q'TY	Remark
XX.	±5.0	Approved		
X.	±3.0			
X	±1.0	Checked		
.XX	±0.2			
.XXX	±0.1	Drawing		
			REV	Unit
			X1	m/m
				Sheet : 1/1

4. Antenna test parameters

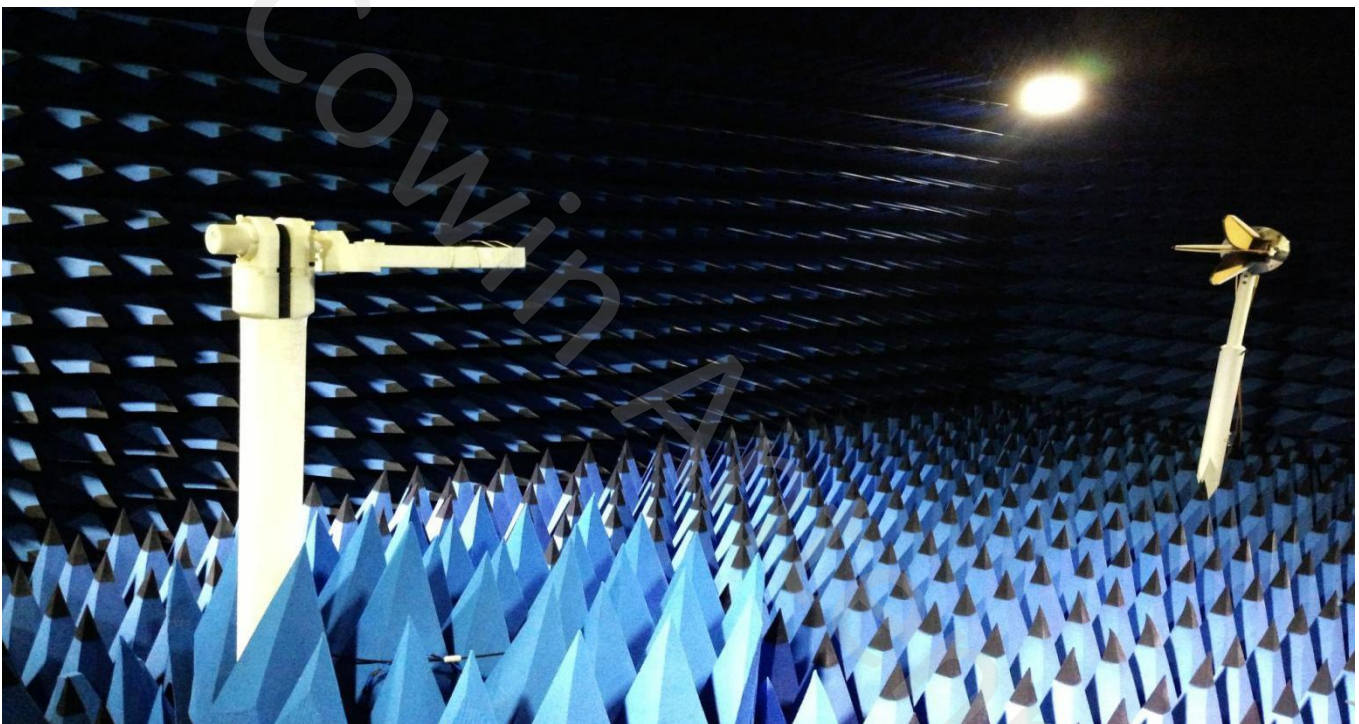
Antenna Measurement Conditions:

Mounted on Ground Plane of 280 x 80 mm

Measured in Certified 3D Anechoic Chamber

The network analyzer is Agilent 5071c

The comprehensive tester is Agilent cmv500

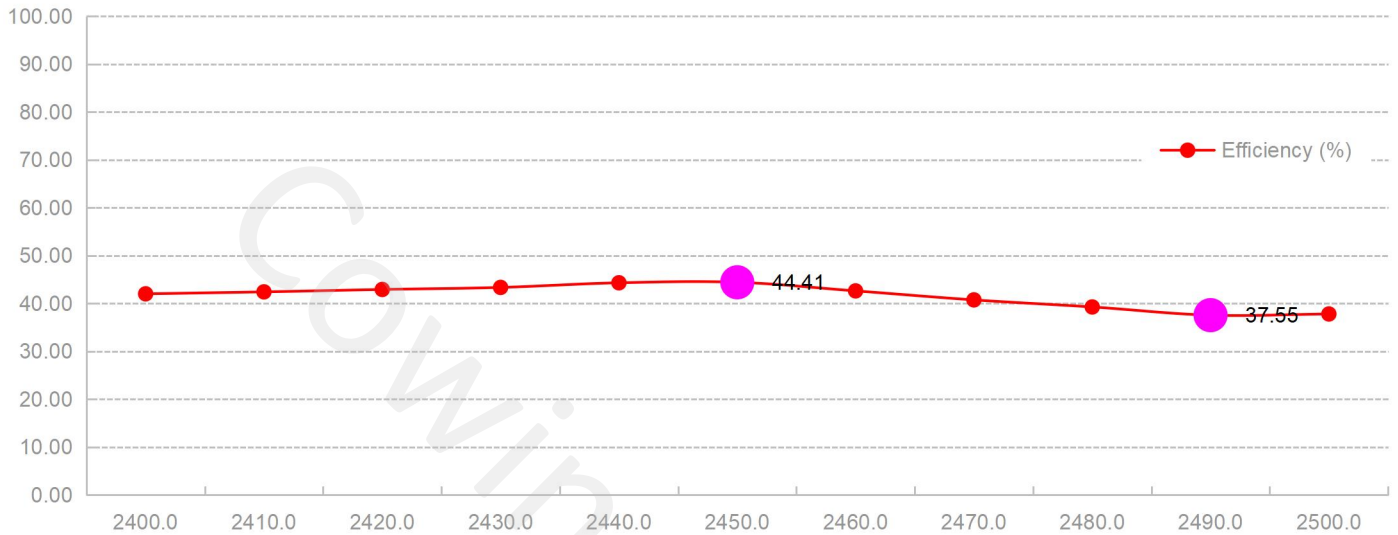


4.1 VSWR

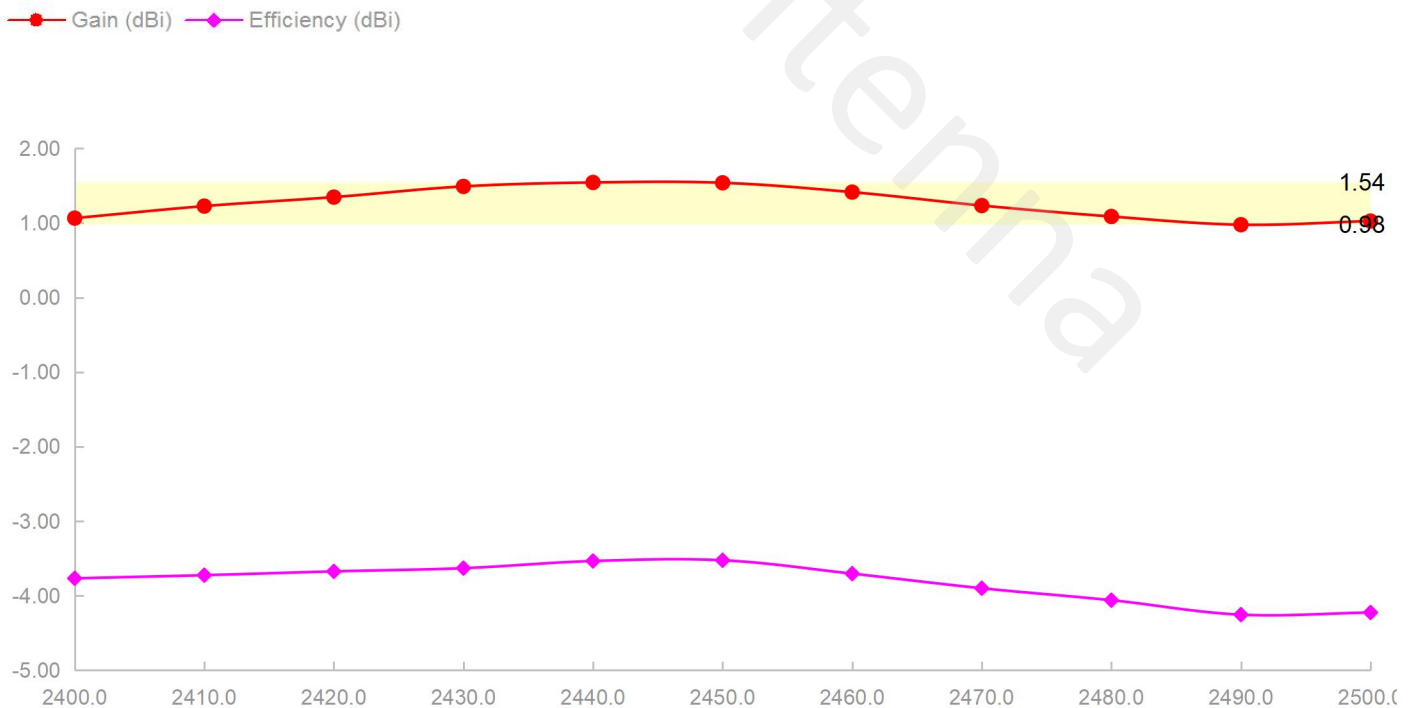


6/27/2022, 2:40 AM

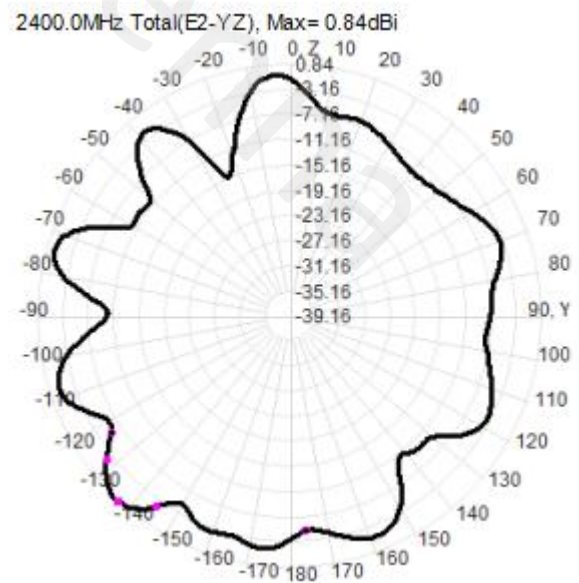
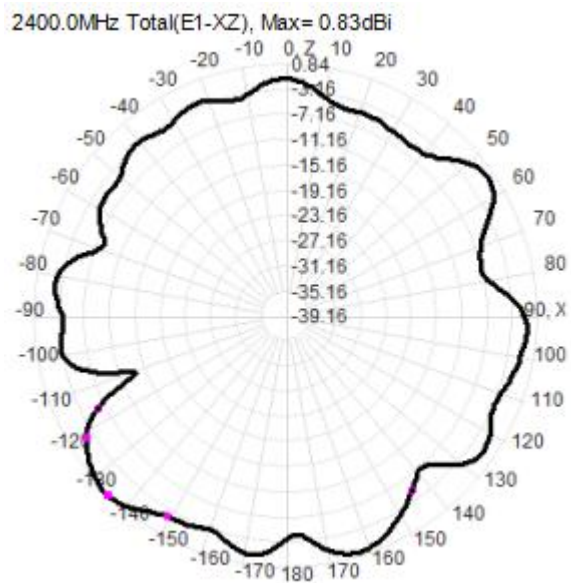
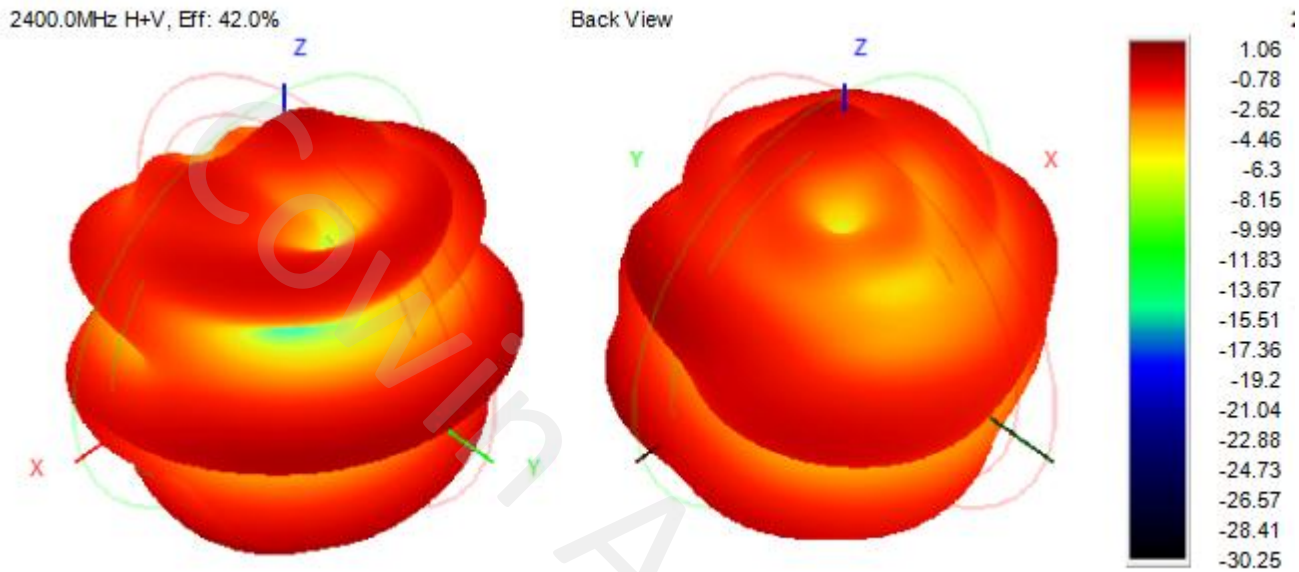
4.2 Efficiency



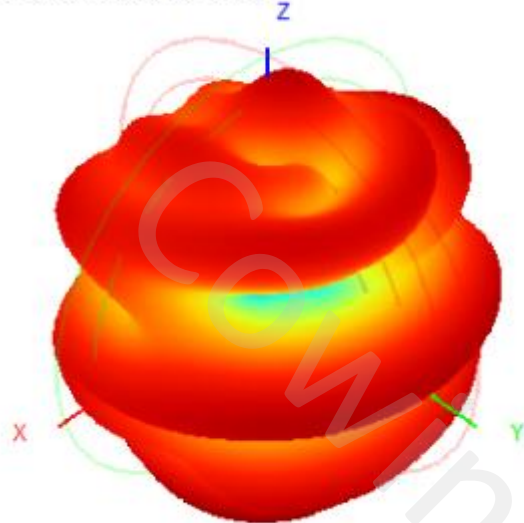
4.3 Peak gain



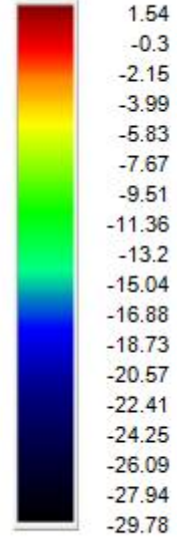
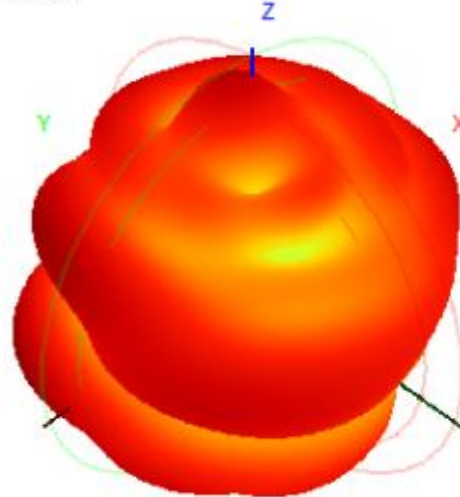
4.4 3D&2D Radiation Patterns



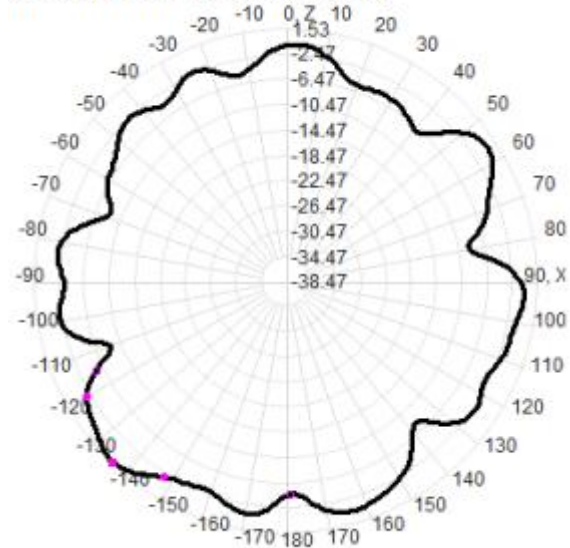
2450.0MHz H+V, Eff: 44.4%



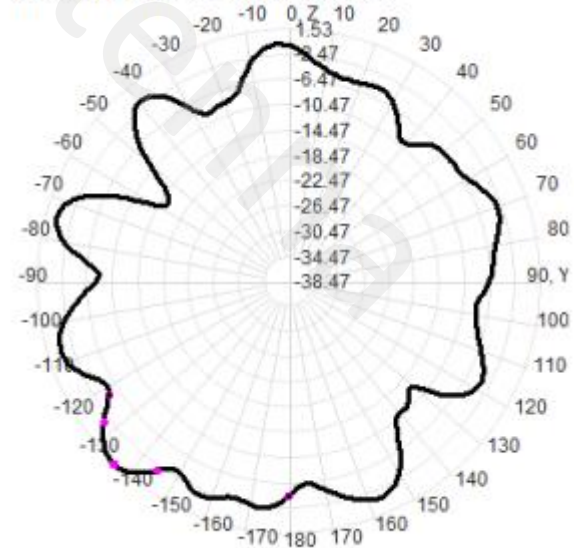
Back View



2450.0MHz Total(E1-XZ), Max= 1.07dBi

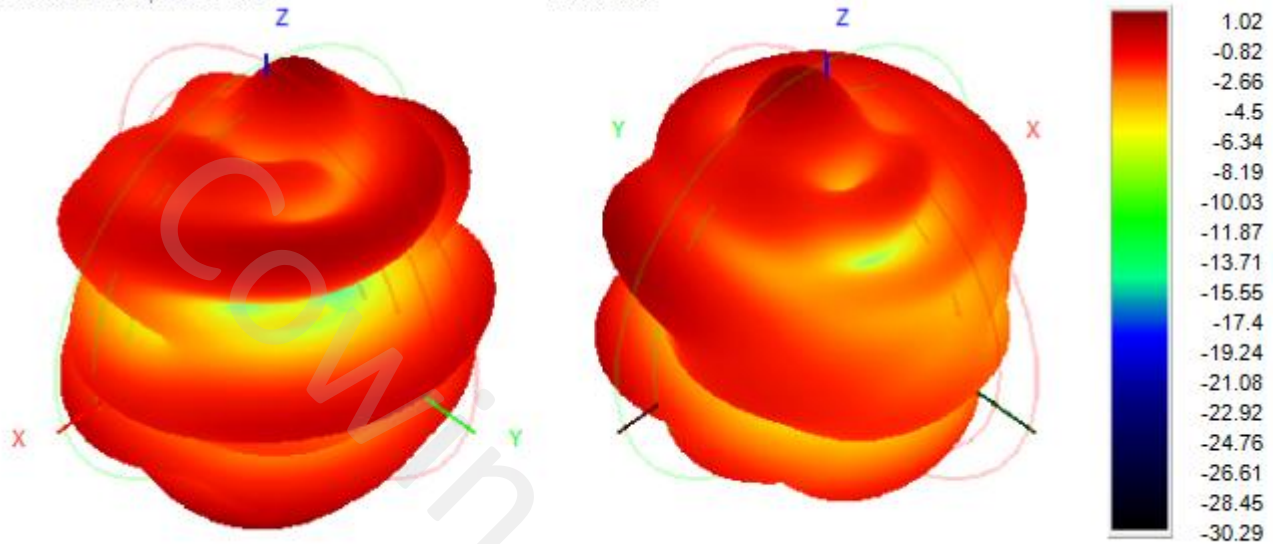


2450.0MHz Total(E2-YZ), Max= 1.53dBi



2500.0MHz H+V, Eff: 37.8%

Back View



2500.0MHz Total(E1-XZ), Max= 0.78dBi

2500.0MHz Total(E2-YZ), Max= 0.90dBi

