CW-WZ-0136

902-928MHz Antenna

Key Features

Frequency: 902-928MHz

RP SMA Male Connector

External Magnetic Base

Dimensions 318*45mm

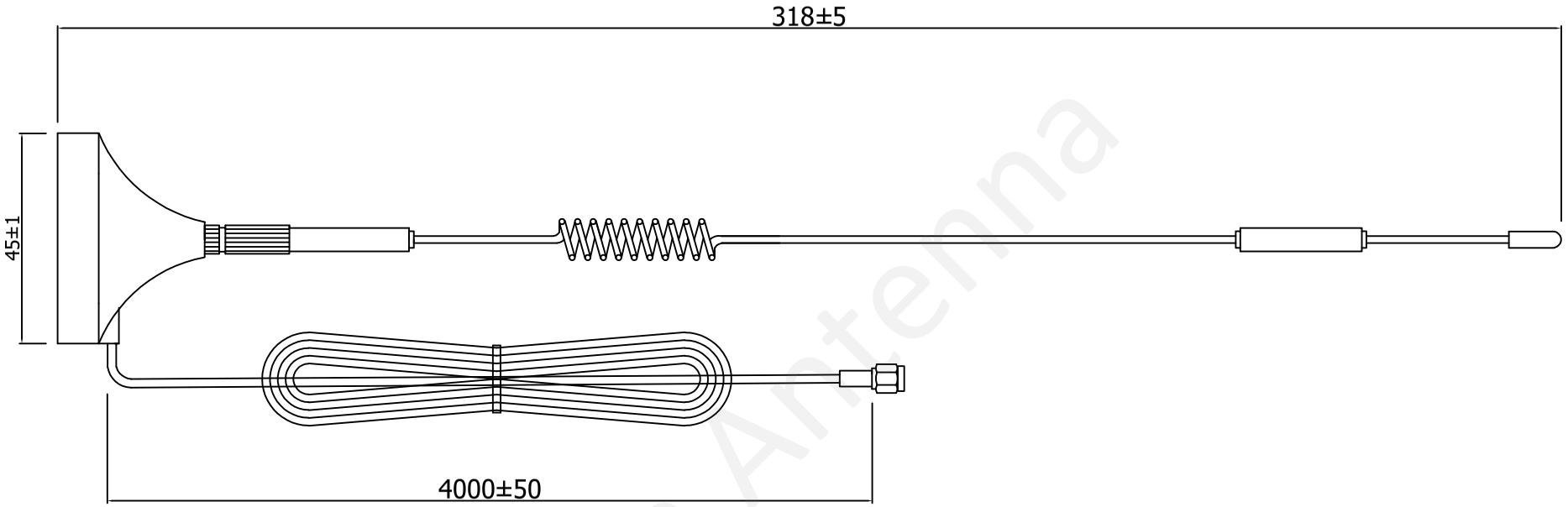
1. Antenna Electrical Characteristics

Band (MHz)	
Frequency (MHz)	902-928MHz
VSWR	3.0
Efficiency (%)	81.9%
Peak Gain (dBi)	2.89
Impendance (Ohm)	50
Polarisation	Vertical
Max. Input Power (W)	10
Connector Type	RP SMA Male

2. Material and environmental characteristics

Inner structure	N/A
Material of Plastic	ABS
Cable Type	RG174/L=4M
Connector Type	RP SMA Male
Dimensions (mm)	318*45MM
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	2023/09/26	New issue



Specification(Free Test):

Frequency Range:902-928MHZ

Impedance: 50Ω

V.S.W.R:≤3.0

100% Continutity,short and open circuit test

Materials,parts and process must by environmentally (ROHS)

NO	Name	Description	Q'TY	Remark
6	Signal Pole	Black steel wire	1	
5	Bottom cover	Black ABS	1	
4	Sticker	29*1MM	1	
3	Magnet	Neodymium iron boron	1	
2	Cable	RG174 Cable	1	
1	Connector	RP SMA Male	1	

XX.	±5.0	Approved
X.	±3.0	
.X	±1.0	Checked
.XX	±0.2	
.XXX	±0.1	Drawing

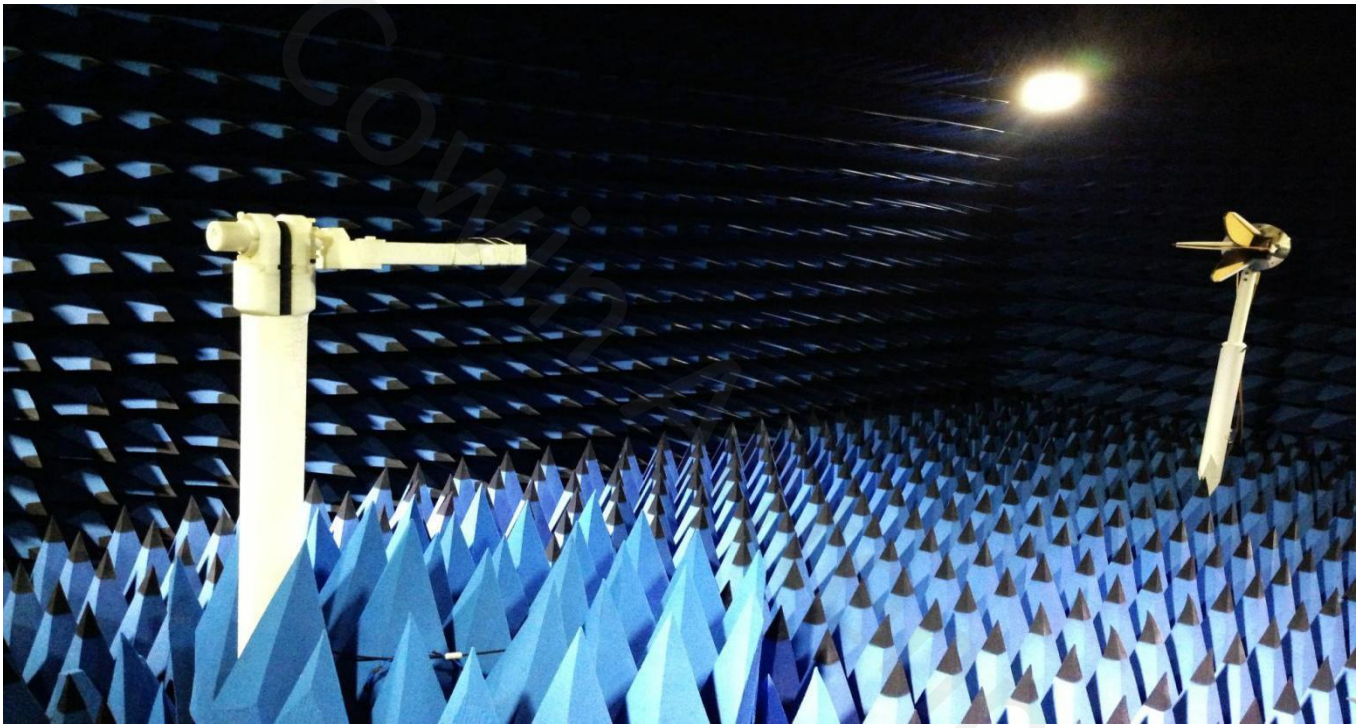
Customer		
Part NO.		
Part name	External antenna	
CW P/NO.	CW-WZ-0136	
REV	Unit	File :
X1	m/m	Sheet : 1/1

Cowin Antenna

4. Antenna test parameters

Antenna Measurement Conditions:

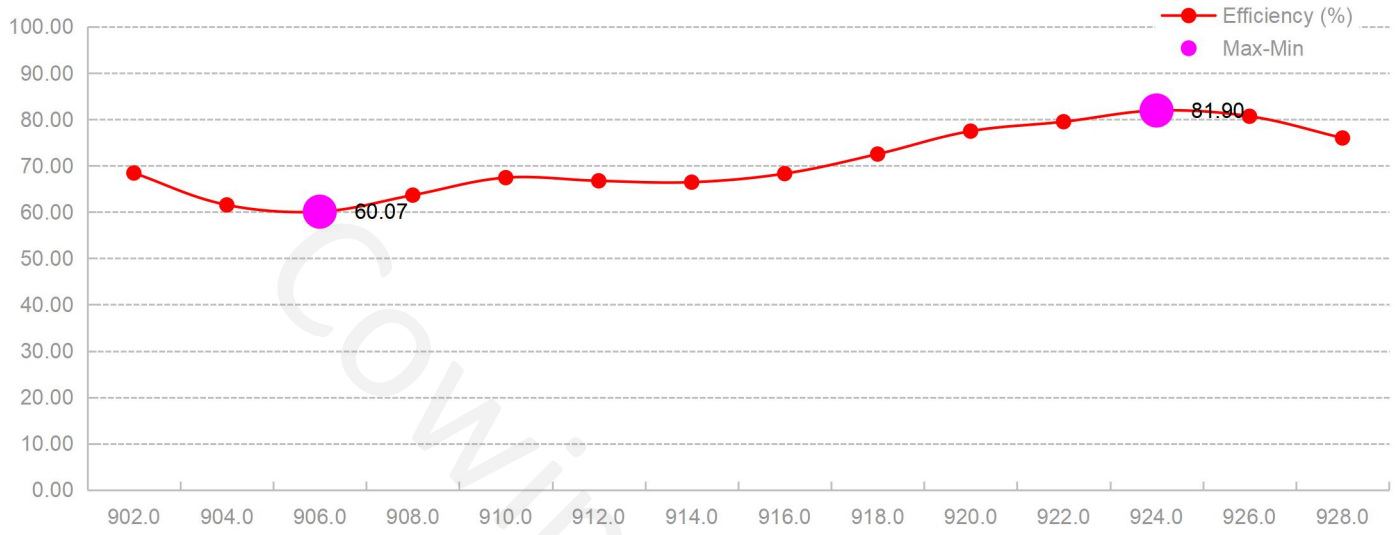
Mounted on Ground Plane of 280 x 80 mm
Measured in Certified 3D Anechoic Chamber
The network analyzer is Agilent 5071c
The comprehensive tester is Agilent cmv500



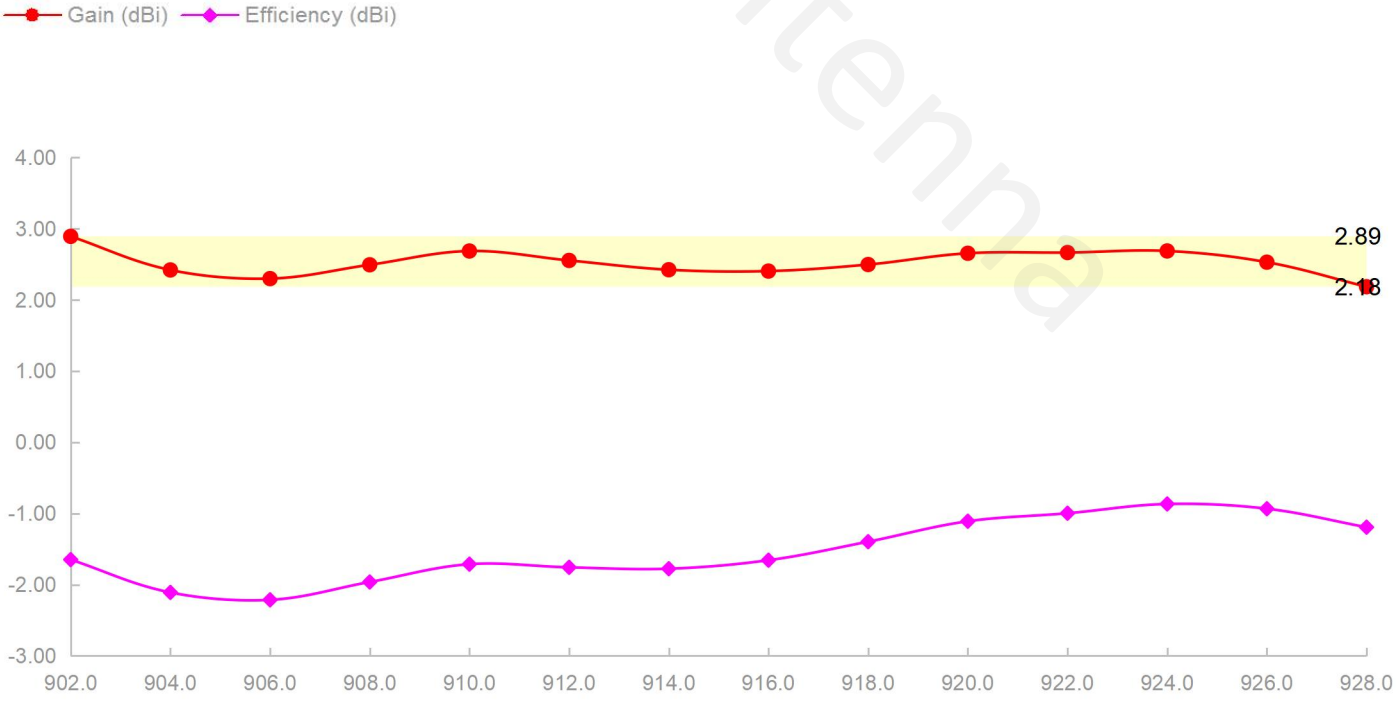
4.1 VSWR

9/25/2023, 10:54 PM

4.2 Efficiency



4.3 Peak gain



4.4 3D&2D Radiation Patterns