

CW-WZ-0160

868MHz External Antenna

Key Features

Frequency:868MHz

SMA Connector

Dimensions:280*30mm

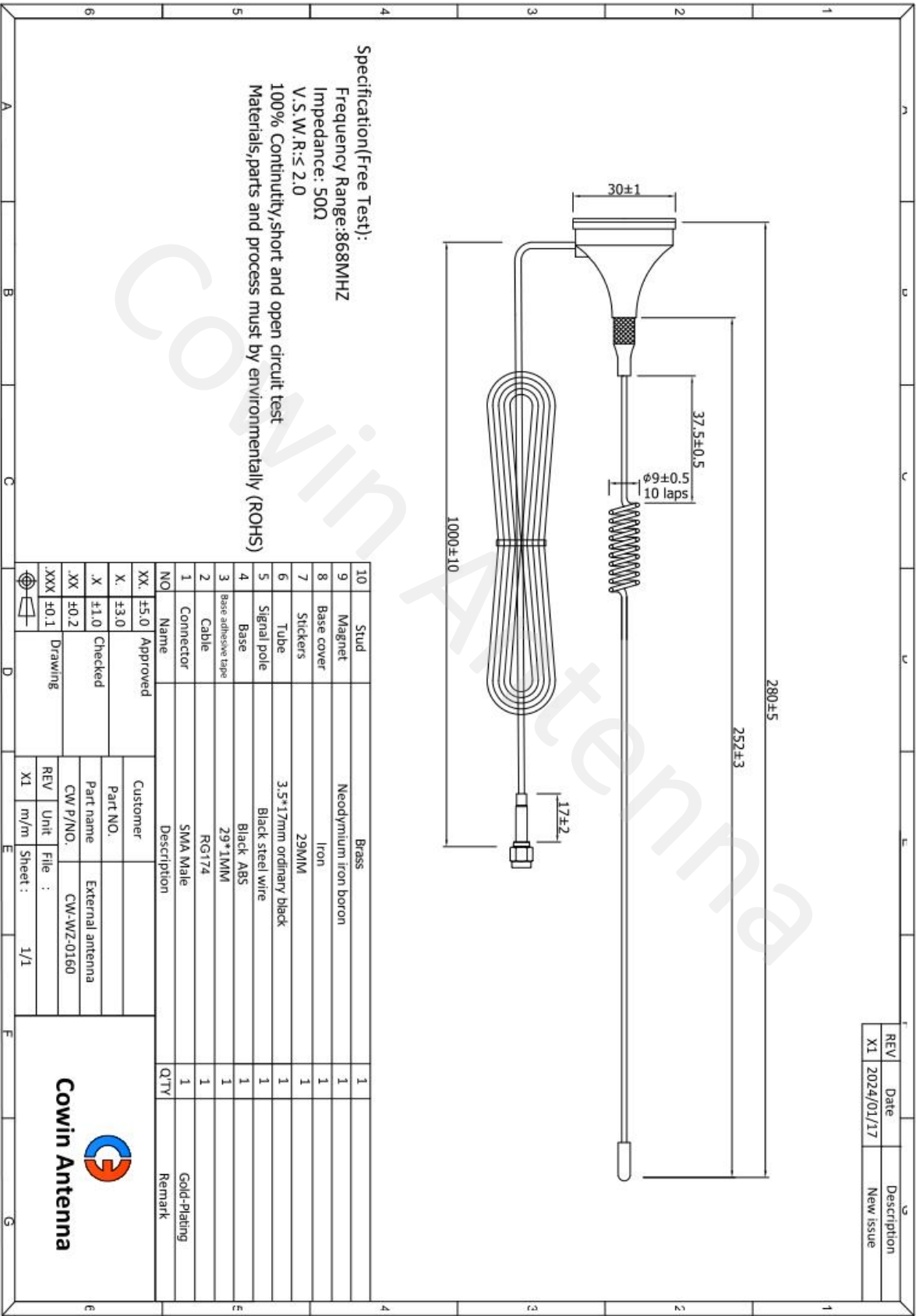


1. Antenna Electrical Characteristics

Band (MHz)	
Frequency (MHz)	868MHz
VSWR	≤2.0
Efficiency (%)	42.5%
Peak Gain (dBi)	1.39
Impedance (Ohm)	50
Polarisation	Vertical
Max. Input Power (W)	10
Connector Type	SMA

2. Material and environmental characteristics

External structure	ABS
Inner structure	Steel wire
Cable Type	RG174
Connector Type	SMA
Dimensions (mm)	280*30 MM
Antenna color	Black
Operation Temperature	-40 to +80
Storage Temperature	-40 to +80
Antenna Storage life(year)	10
Substance Compliance	ROHS



4. Antenna test parameters

Antenna Measurement Conditions:

Mounted on Ground Plane of 280 x 80 mm

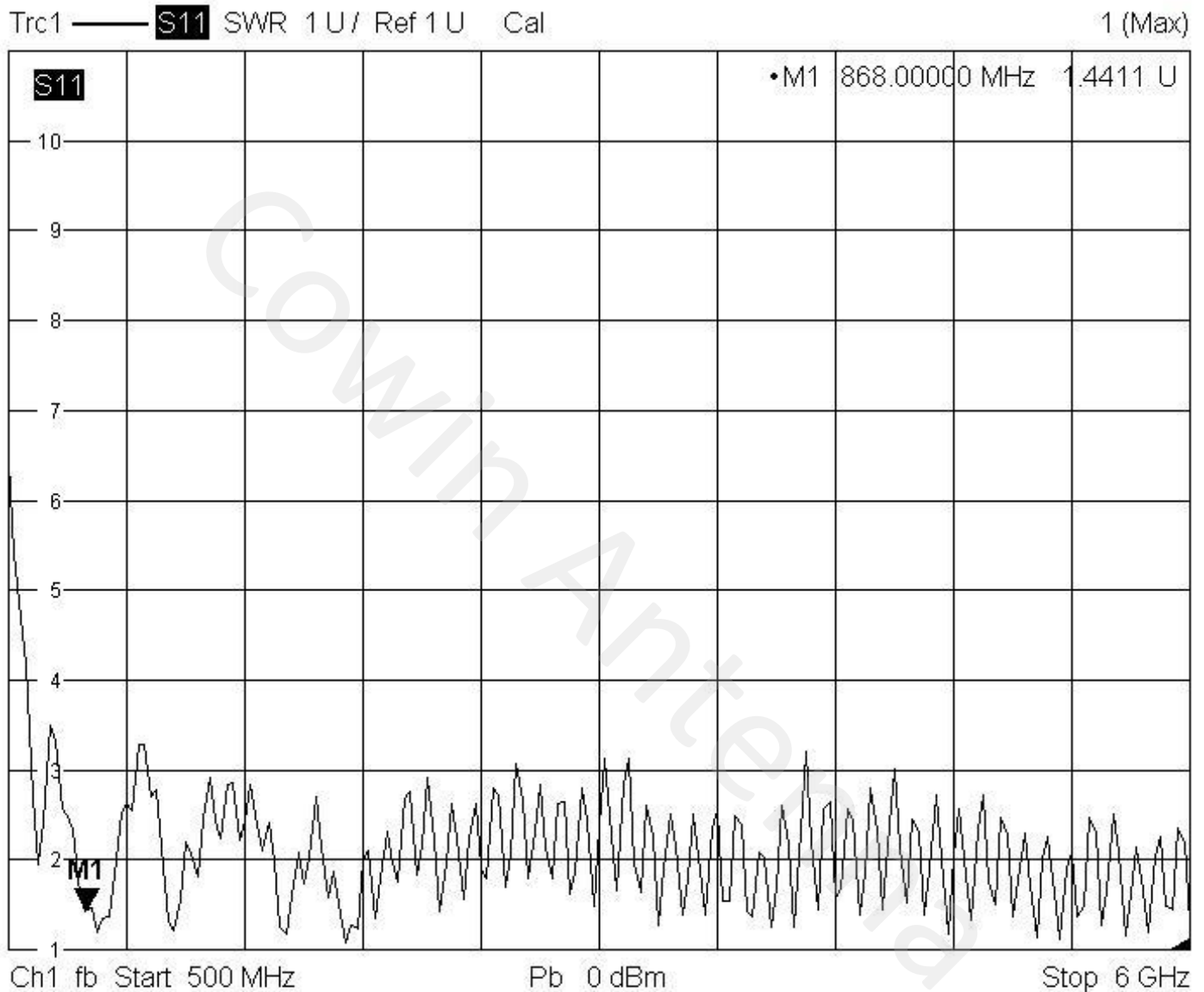
Measured in Certified 3D Anechoic Chamber

The network analyzer is Agilent 5071c

The comprehensive tester is Agilent cmv500

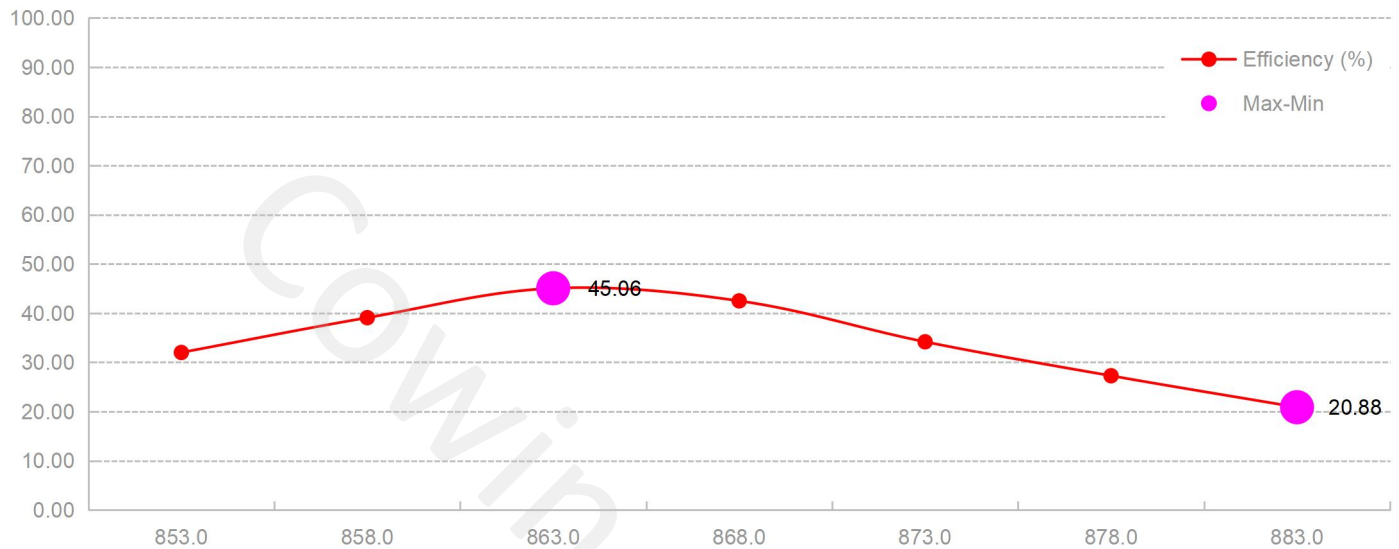


4.1 VSWR

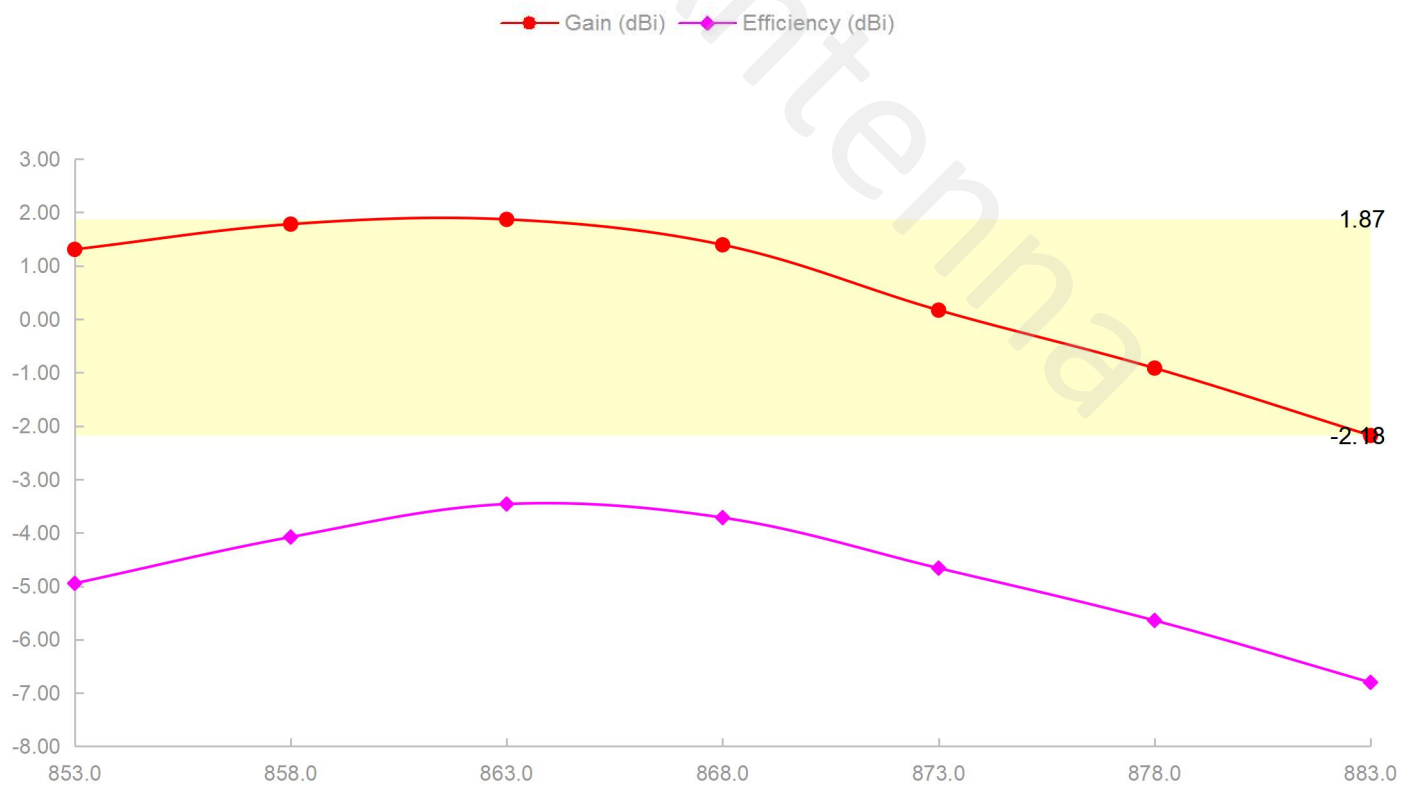


1/17/2024, 10:54 AM

4.2 Efficiency

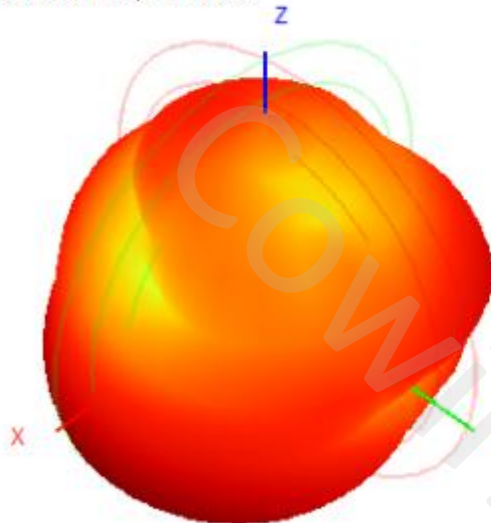


4.3 Peak gain

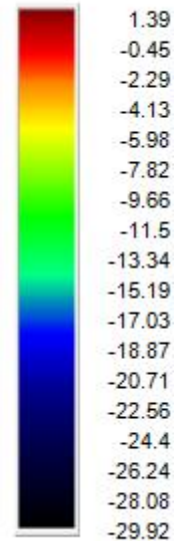
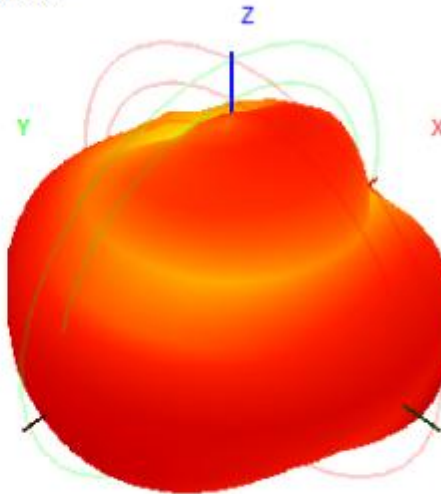


4.4 3D&2D Radiation Patterns

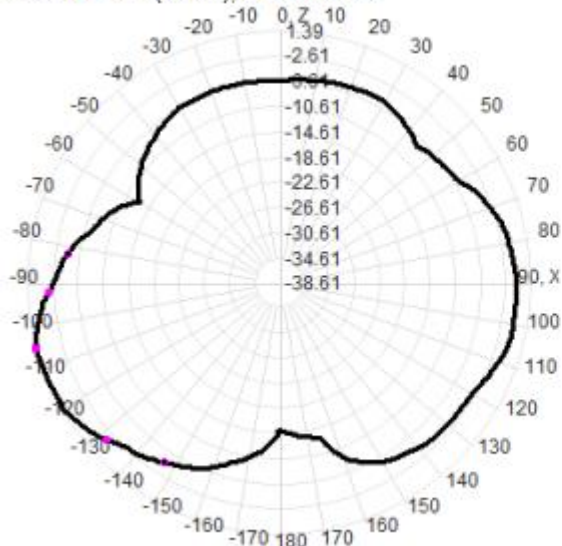
868.0MHz H+V, Eff: 42.5%



Back View



868.0MHz Total(E1-XZ), Max= 1.39dBi



868.0MHz Total(E2-YZ), Max= -2.04dBi

