Product Datasheet

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

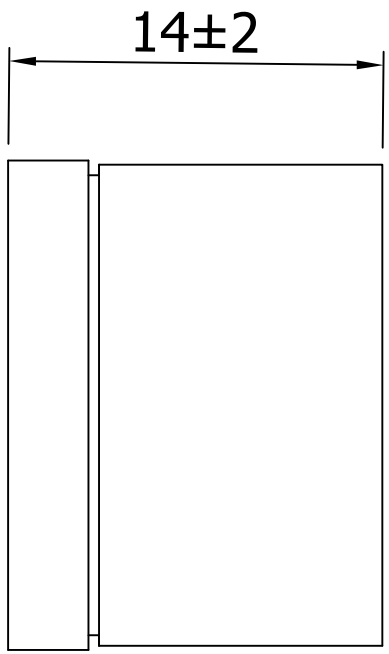
1. Antenna Electrical Characteristics

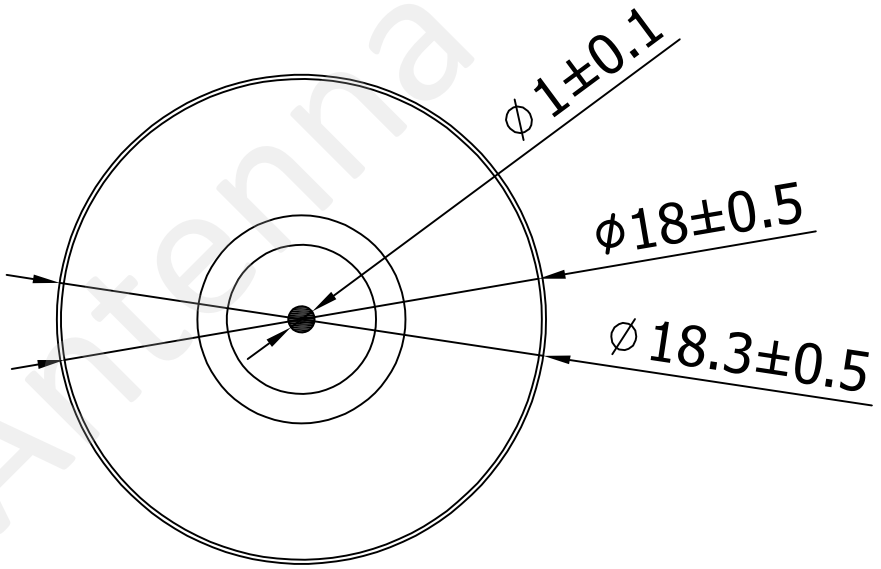
Band (MHz)	
Frequency (MHz)	2.4-2.5G
VSWR	2:1
Efficiency (%)	44.41%
Peak Gain (dBi)	1.54
Impendance (Ohm)	50
Polarisation	Vertical
Max. Input Power (W)	10
Connector Type	SMA Male

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% Continutity,short and open circuit test

Materials,parts and process must by environmentally (ROHS)

NO	Name	Description	Q'TY	Remark
3	Rod sleeve	Black ABS	1	
2	Spring	Brass	1	
1	Connector	SMA Male	1	

XX.	±5.0	Approved	Customer	
X.	±3.0		Part NO.	
.X	±1.0	Checked	Part name	External antenna
.XX	±0.2		CW P/NO.	CW-WZ-0080
.XXX	±0.1	Drawing	REV / Unit / File :	
			X1 / m/m / Sheet :	1/1

Cowin Antenna

4. Antenna test parameters

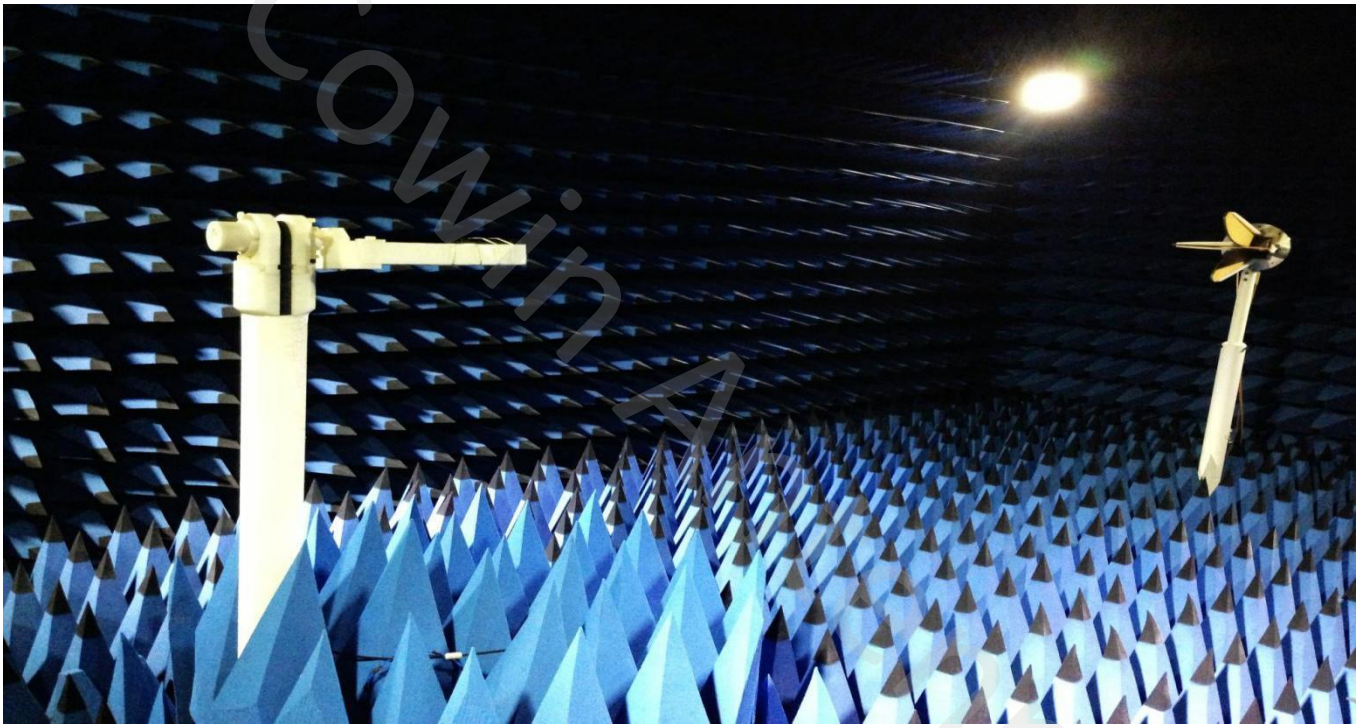
Antenna Measurement Conditions:

Mounted on Ground Plane of 280 x 80 mm

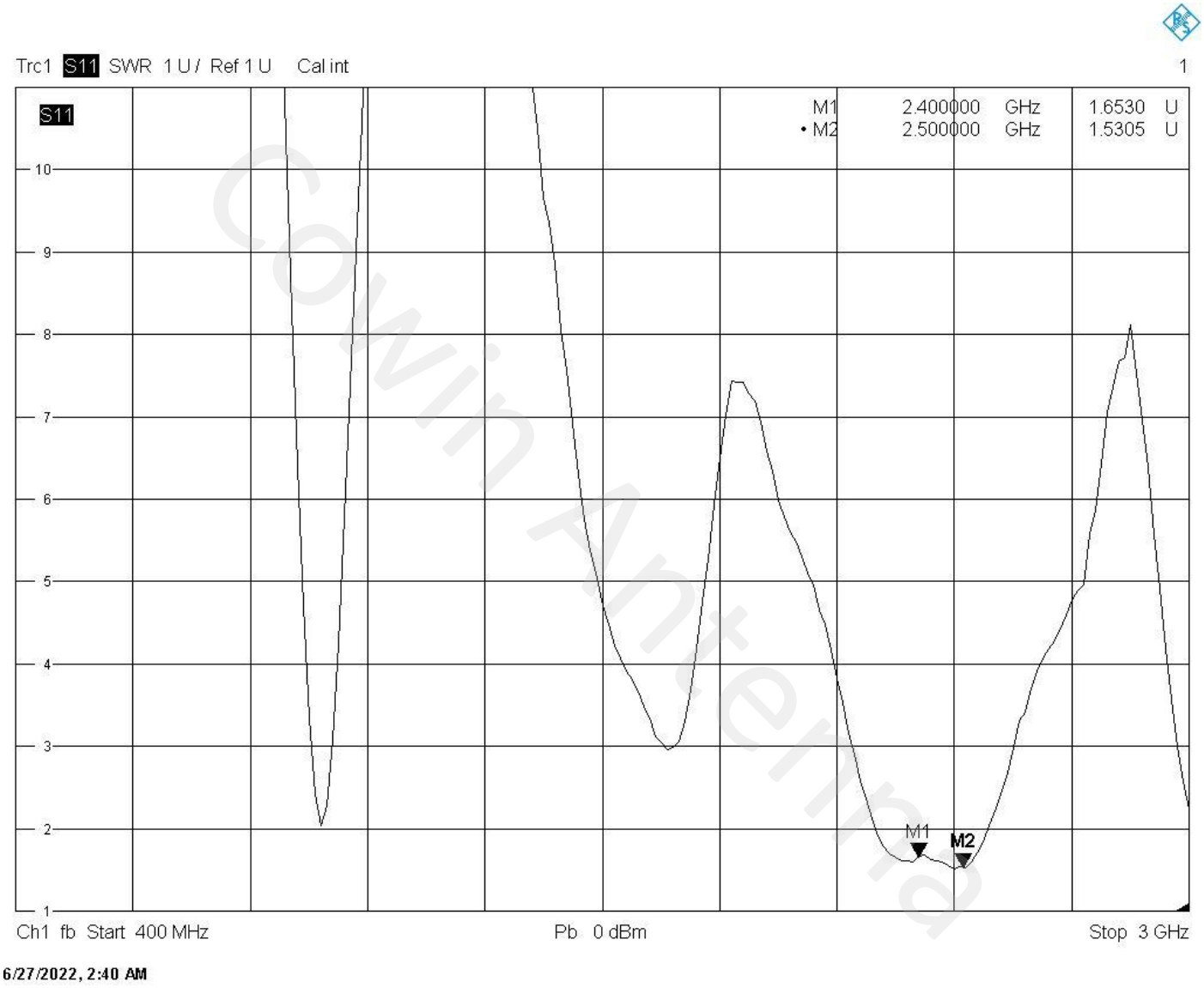
Measured in Certified 3D Anechoic Chamber

The network analyzer is Agilent 5071c

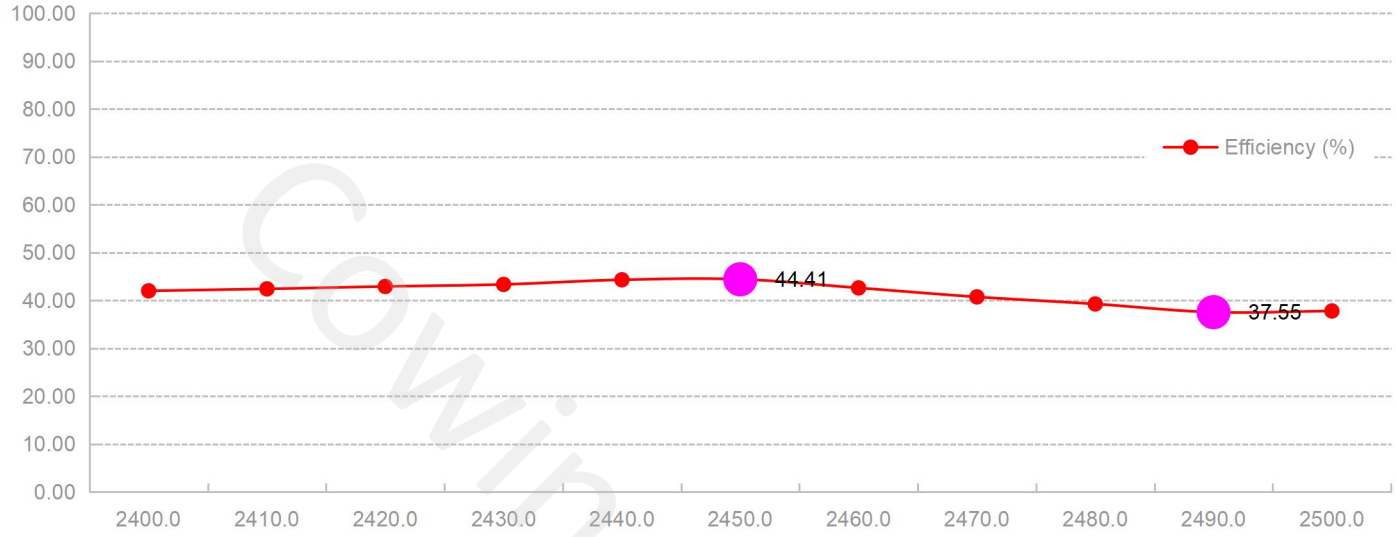
The comprehensive tester is Agilent cmv500



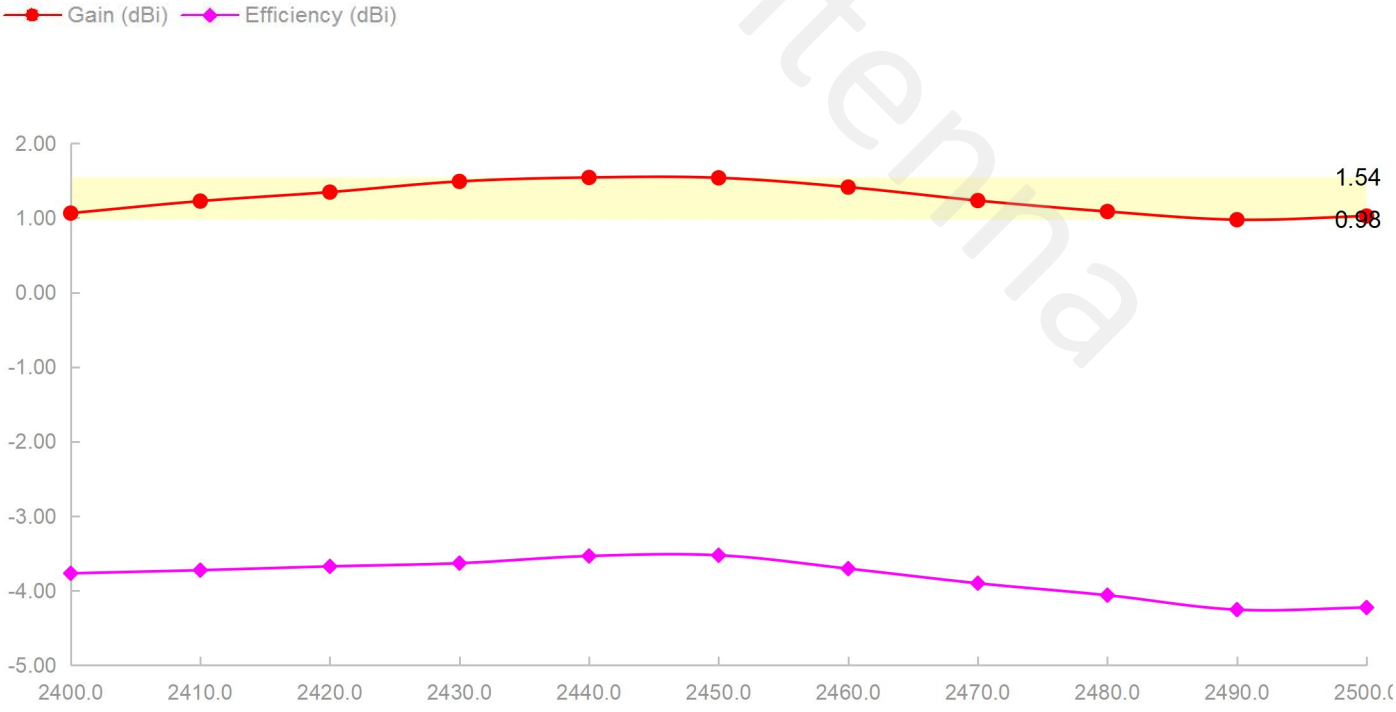
4.1 VSWR



4.2 Efficiency



4.3 Peak gain



4.4 3D&2D Radiation Patterns