

FCC ID: 2BWI9-HR1101

Antenna specifications

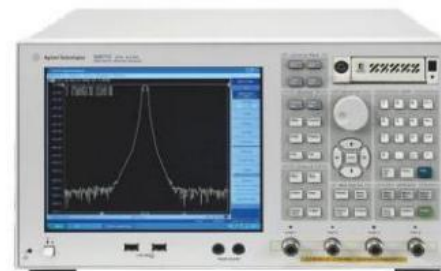
Shenzhen eIoT Technology Co.,Ltd

Address: 25th Floor, Block B, Building 7, Shenzhen International Innovation Valley,
Nanshan District, Shenzhen, China.

1.Test equipment



OTA-800
Model : ETS



5071C
Model : Agilent



8960
Model : Agilent

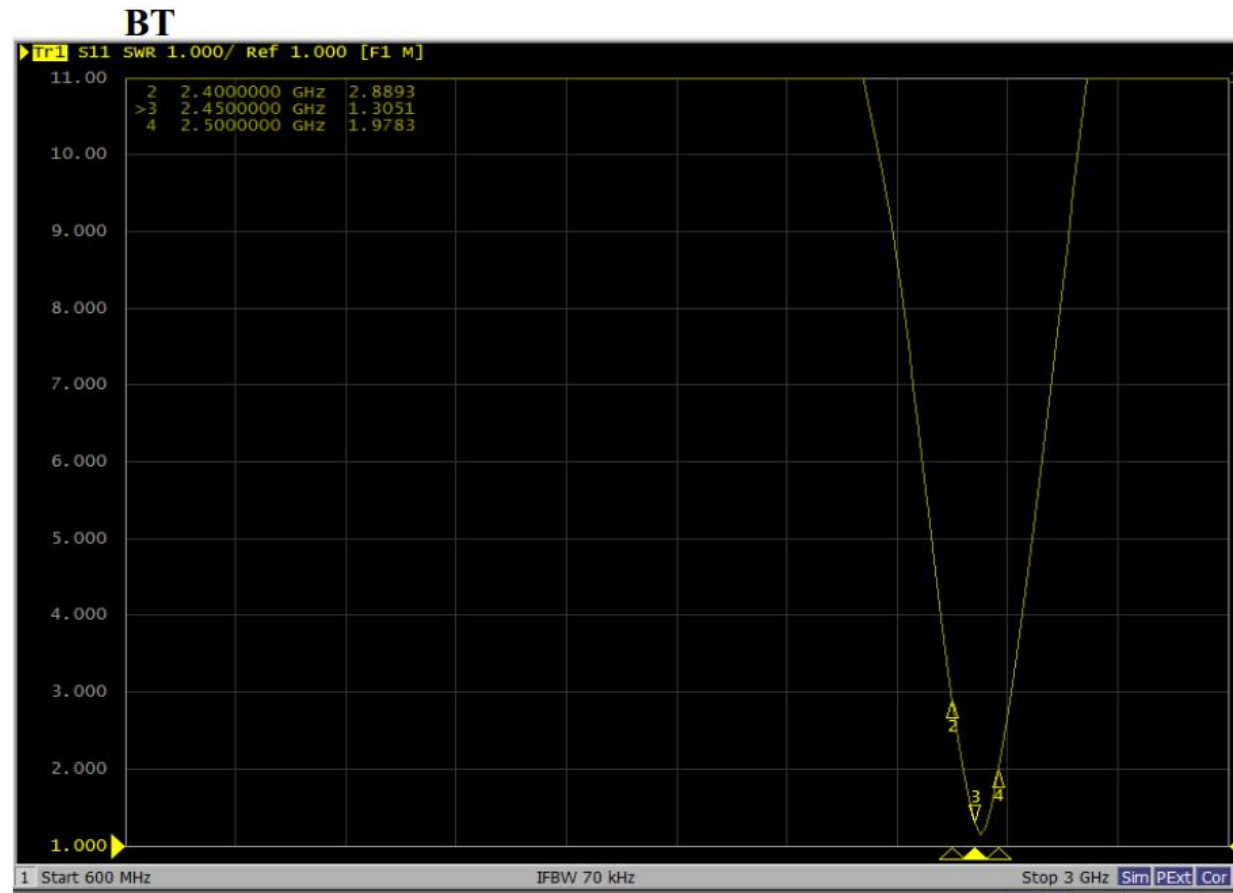


CMW500
Model : ROHDE&SCHWAR

2.Electrical Performance Index

Electrical Parameter	
Frequency Range (MHz)	2400~2500
VSWR	≤ 2.89
Input impedance(Ω)	50
Gain(dBi)	-6.12
Radiation efficiency(%)	2.80%
Max power(w)	4dBm
Antenna Type	monopole
Working Temperature($^{\circ}\text{C}$)	-40~ +80

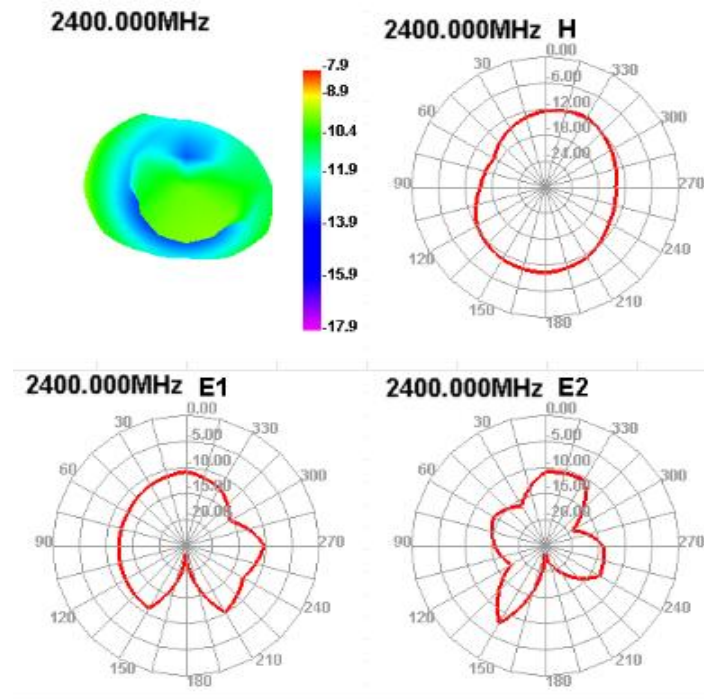
3. Antenna S11 data



4. Antenna Efficiency/Gain (free space)

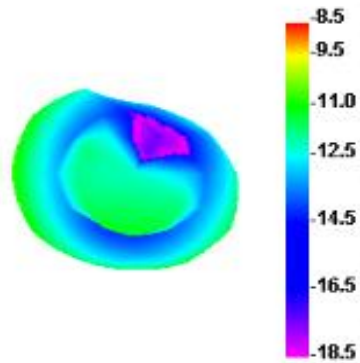
BT		
Freq	Effi	Gain
(MHz)	(%)	(dBi)
2400	2.15	-6.71
2410	2.36	-6.80
2420	1.95	-6.12
2430	1.87	-6.53
2440	1.92	-6.33
2450	2.02	-7.00
2460	1.87	-6.76
2470	1.92	-6.25
2480	2.02	-6.84
2490	1.97	-6.51
2500	2.21	-6.75

5. 2D 3D Radiation Pattern

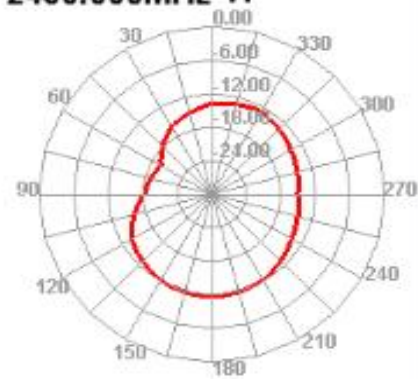


2400MHz

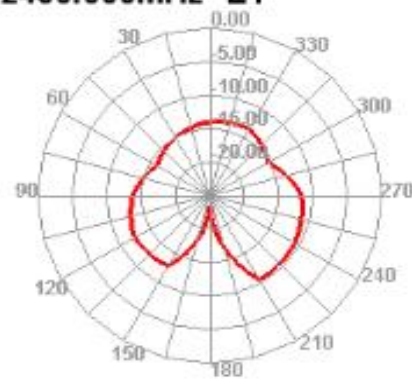
2450.000MHz



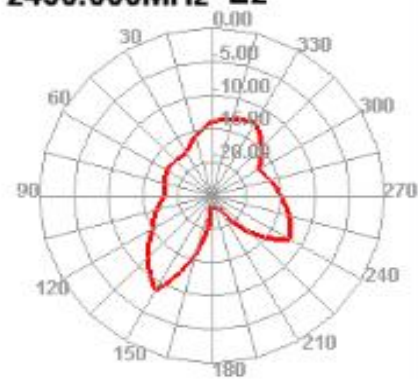
2450.000MHz H



2450.000MHz E1

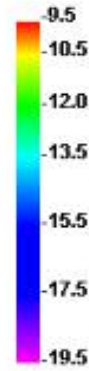
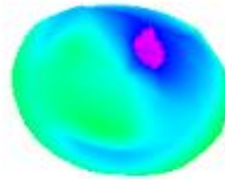


2450.000MHz E2

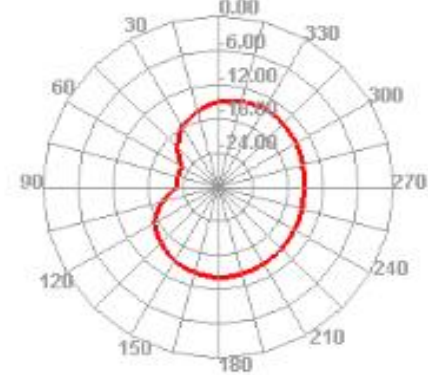


2450MHz

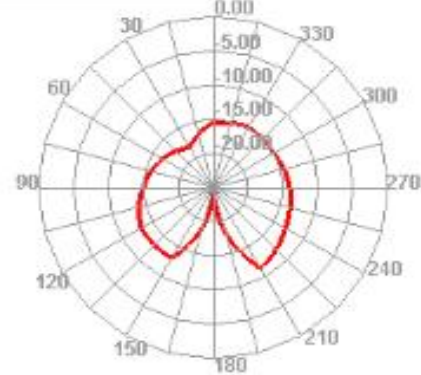
2500.000MHz



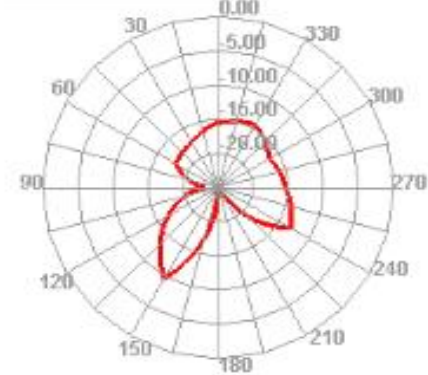
2500.000MHz H



2500.000MHz E1



2500.000MHz E2



2500MHz

6. Antenna Drawing

