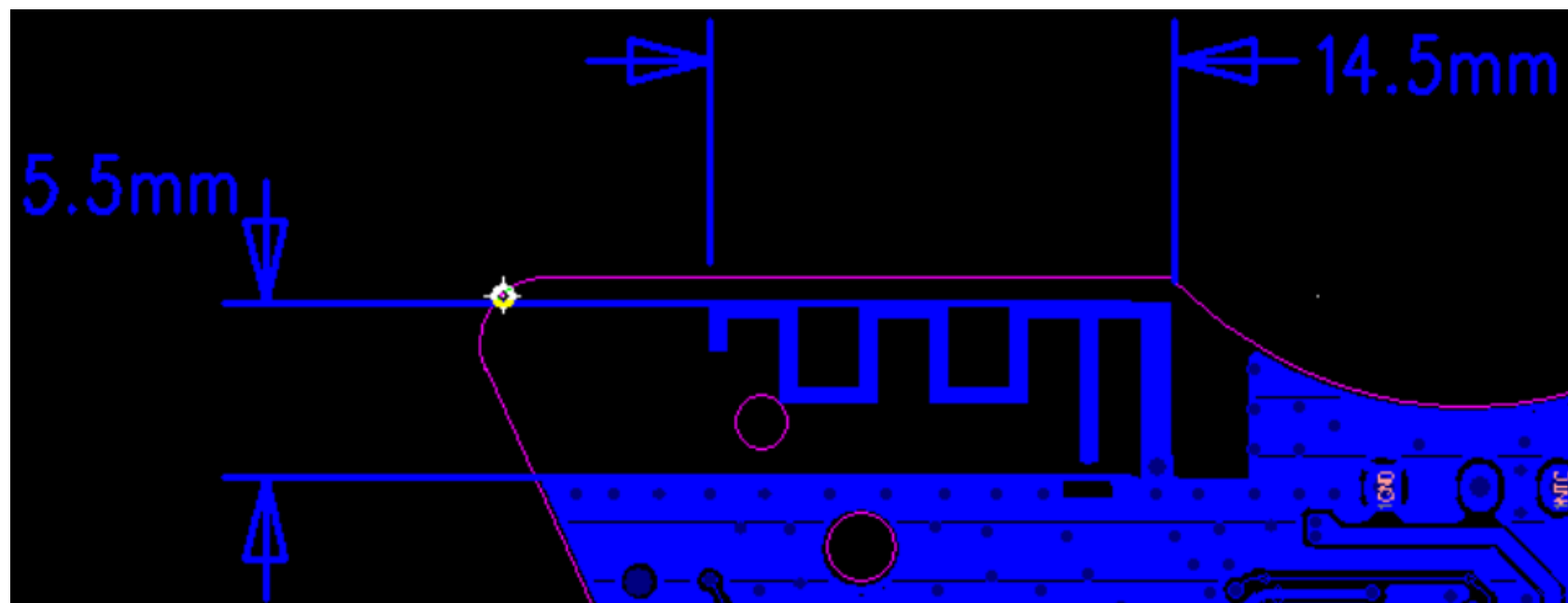


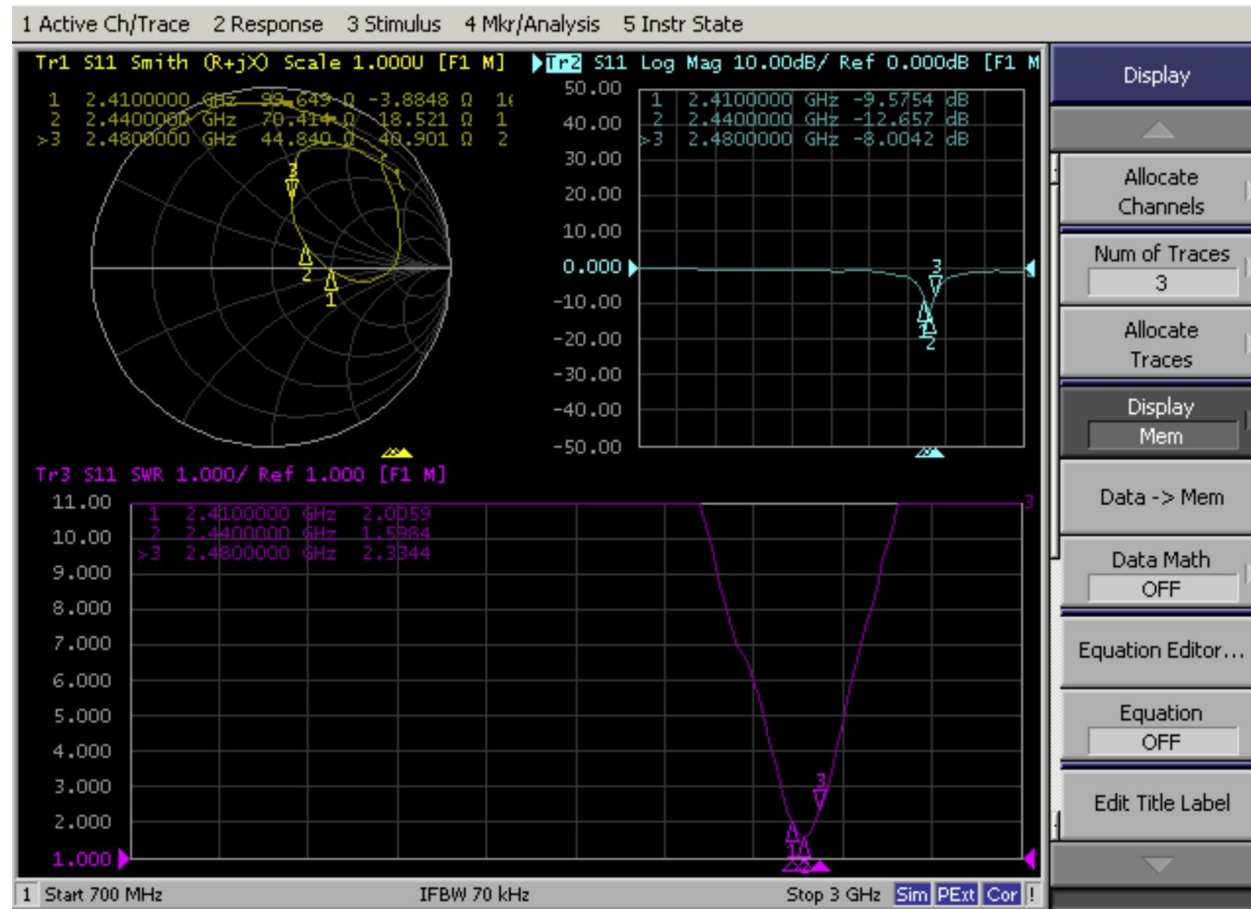
1. Electrical Characteristics

Manufacturer	Topway EM Enterprise Ltd.	
Address	8F., Block B, Building 6, Baoneng Science and technology park, Qingxiang RD., Qinghu Industrial Park, Longhua New District, Shenzhen, China 518109	
Type of antenna	PCB Antenna	
No.	Item	Specifications
1	Frequenc Range	2400 ~ 2500MHz
2	Band Width	100MHz typ.
3	peak Gain	-3dBi
4	V.S.W.R	≤ 2.0
5	Polarization	Linear
6	Azimuth Beam width	Omni-directional
7	Impedance	50 Ω

All the technical data and information contained herein are subject to change without prior notice

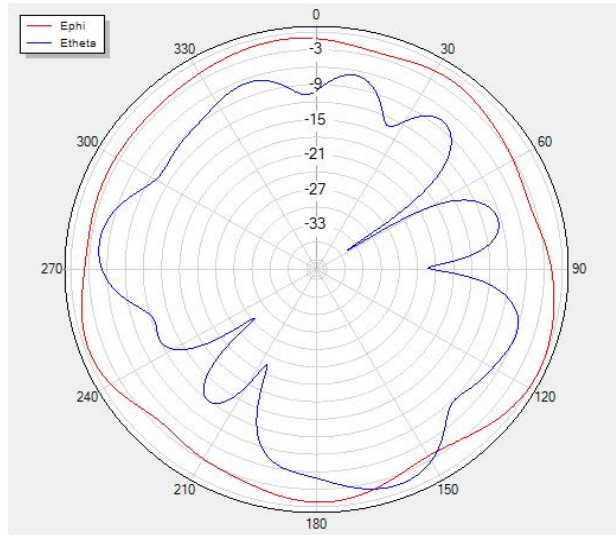


3. Return Loss

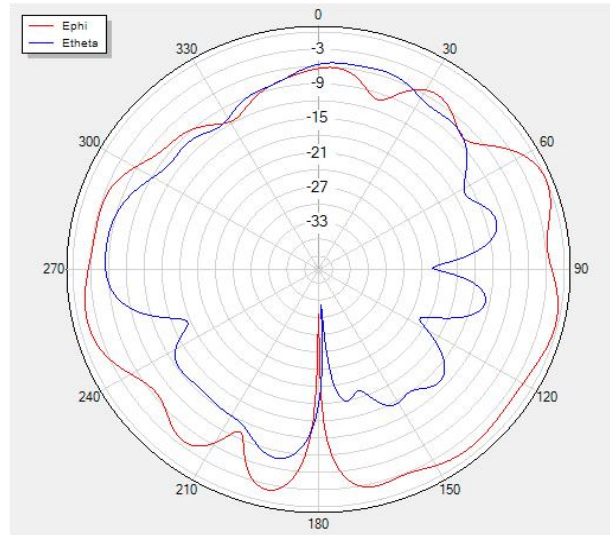


4. Radiation Pattern

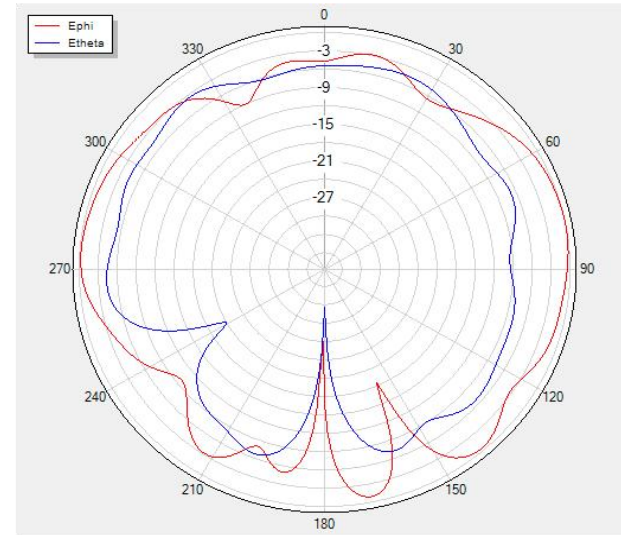
Theta=90 freq=2440MHz



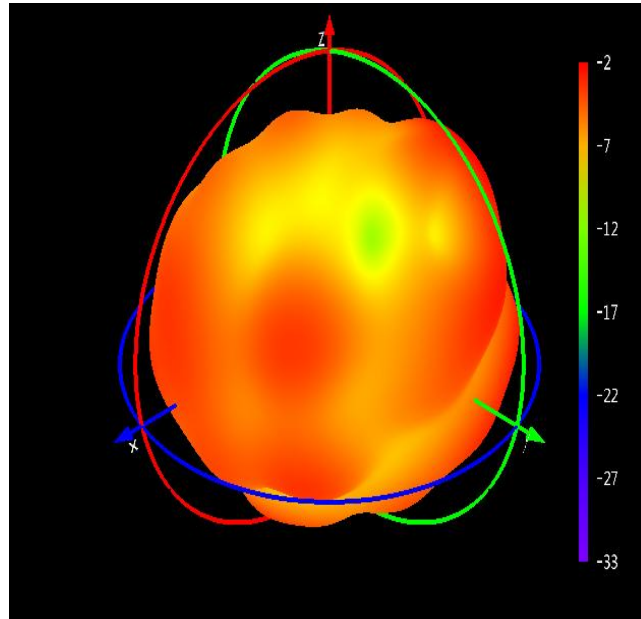
Phi=90 freq=2440MHz



Phi=0 freq=2440MHz



3D Radiation Pattern



Frequency (MHz)	2400	2450	2500
Peak Gain (dBi)	-6.82	-5.3	-3
Efficiency (%)	20.81	29.52	50.16