

The size of the "F" antenna is as follows, and the maximum gain of the antenna is +3.3dB.

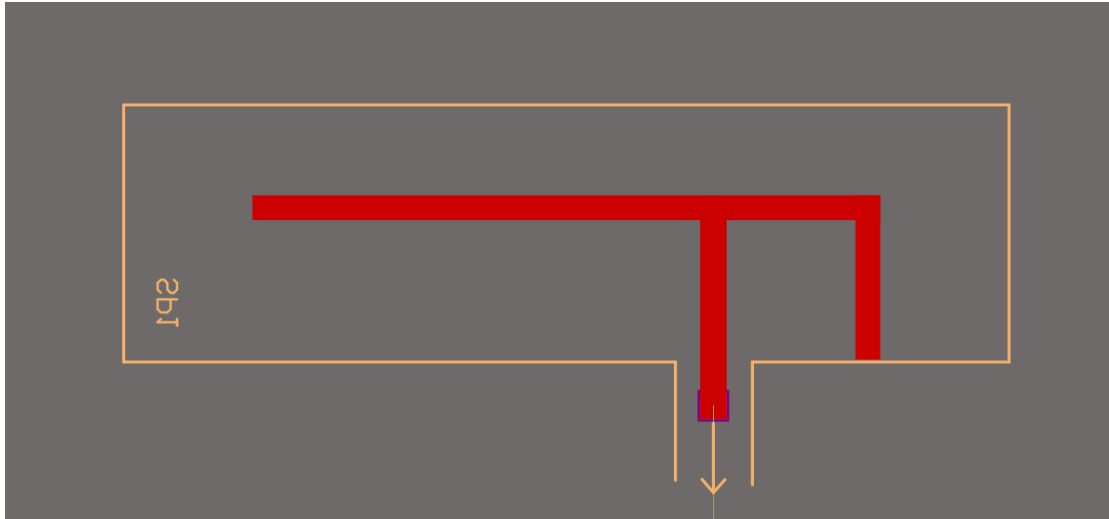


Figure 1 The shape of the antenna

Manufacturer: Shenzhen Fenda Technology co., LTD.

Address: Baoan district Shigon road Fenda science and technology park

The specific parameters are as follows :

#### 1.Frequency Band

Tx:2400MHz~2480 MHz

Rx:2400 MHz ~2480 MHz

#### 2.Antenna Parameters summary(2440MHz)

|                  |               |
|------------------|---------------|
| Gain in XY Plane | 1.1 dB        |
| Gain in XZ Plane | 3.3 dB        |
| Gain in YZ Plane | 1.6 dB        |
| Reflection       | < -15 dB      |
| Antenna Size     | 25.7 x 7.5 mm |

Table 1 Summary of the Properties of the IFA

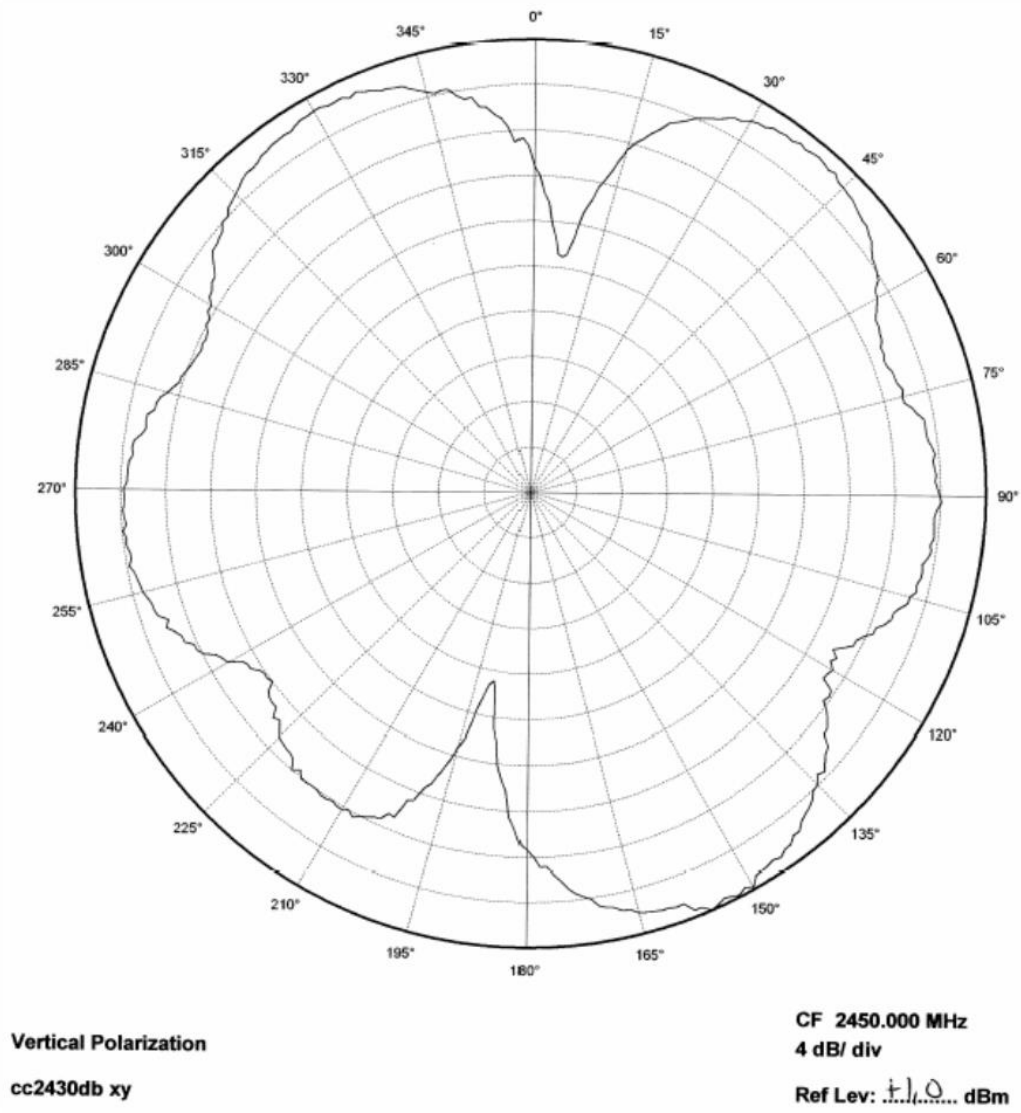


Figure2 XY Plane Vertical Polarization

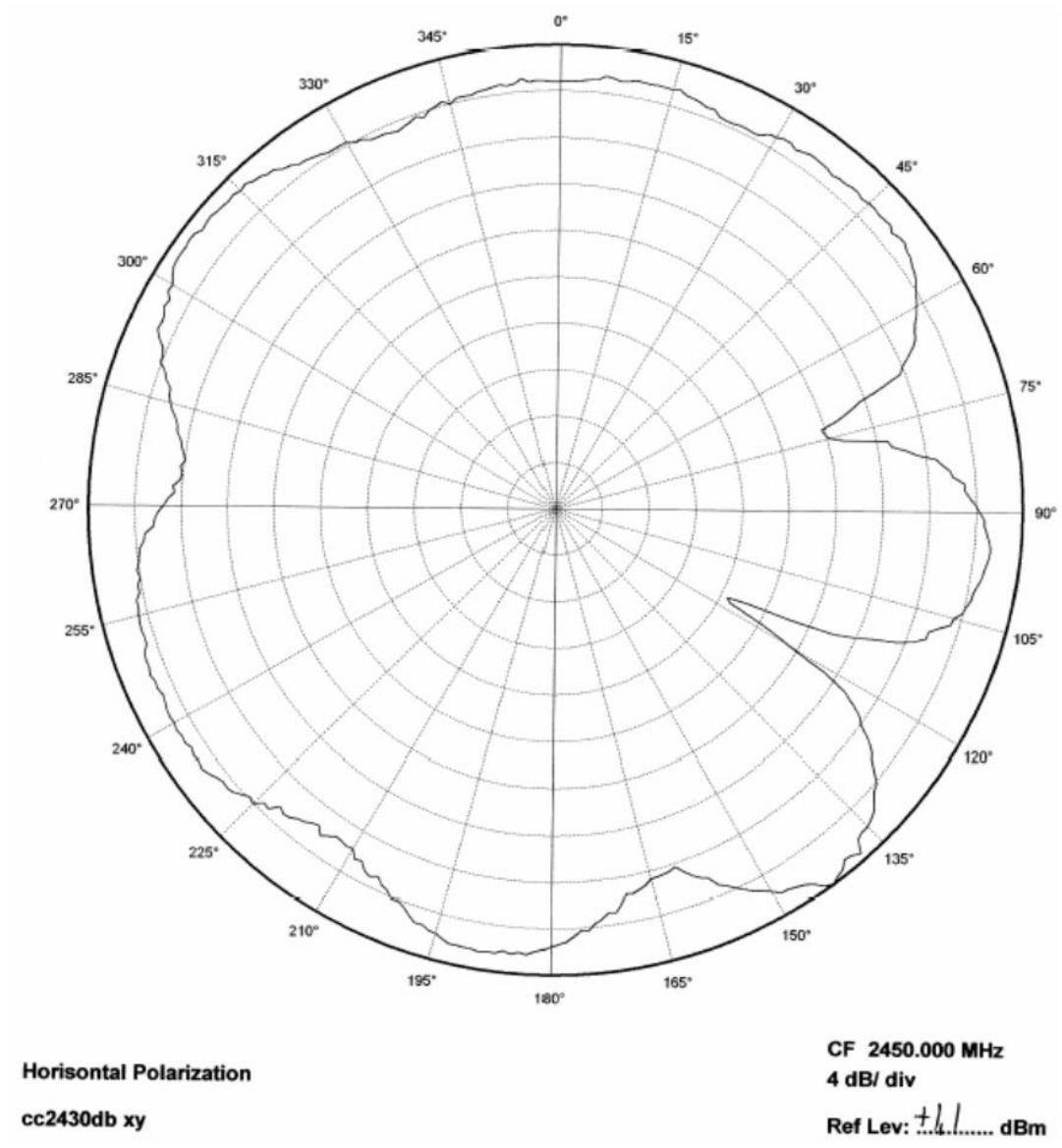
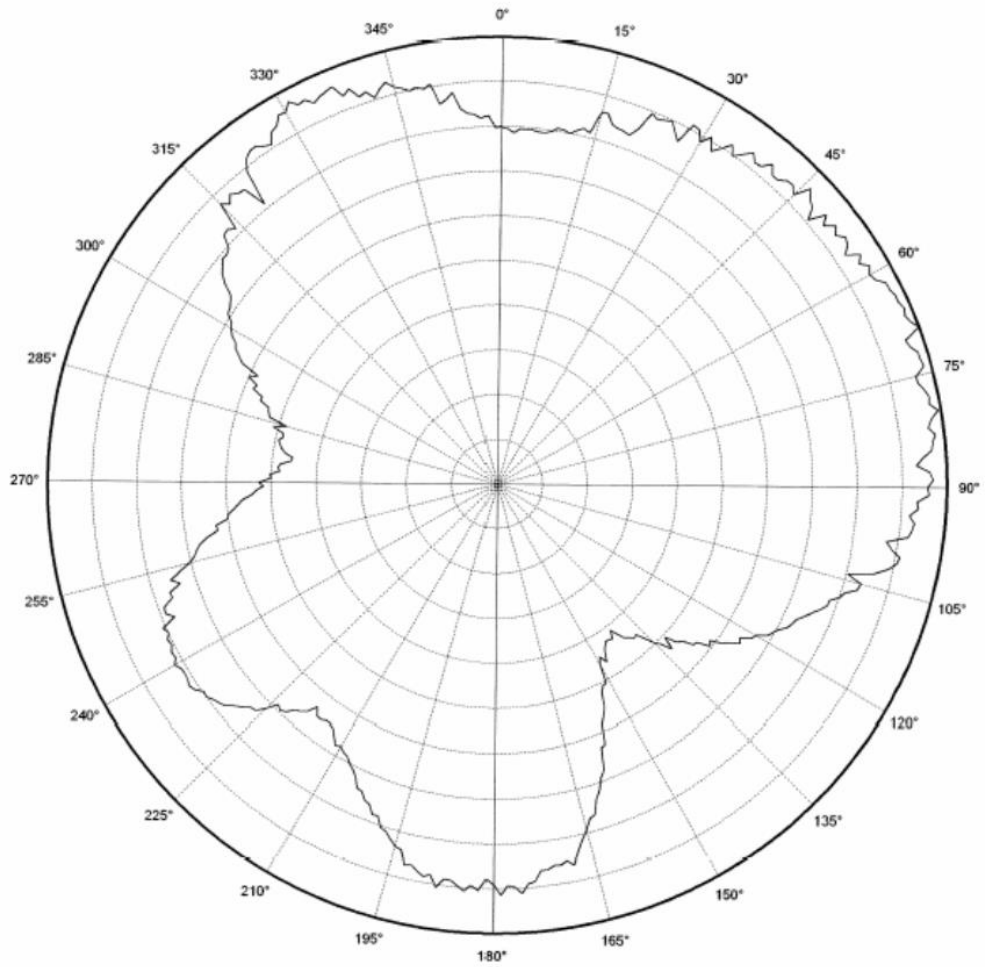


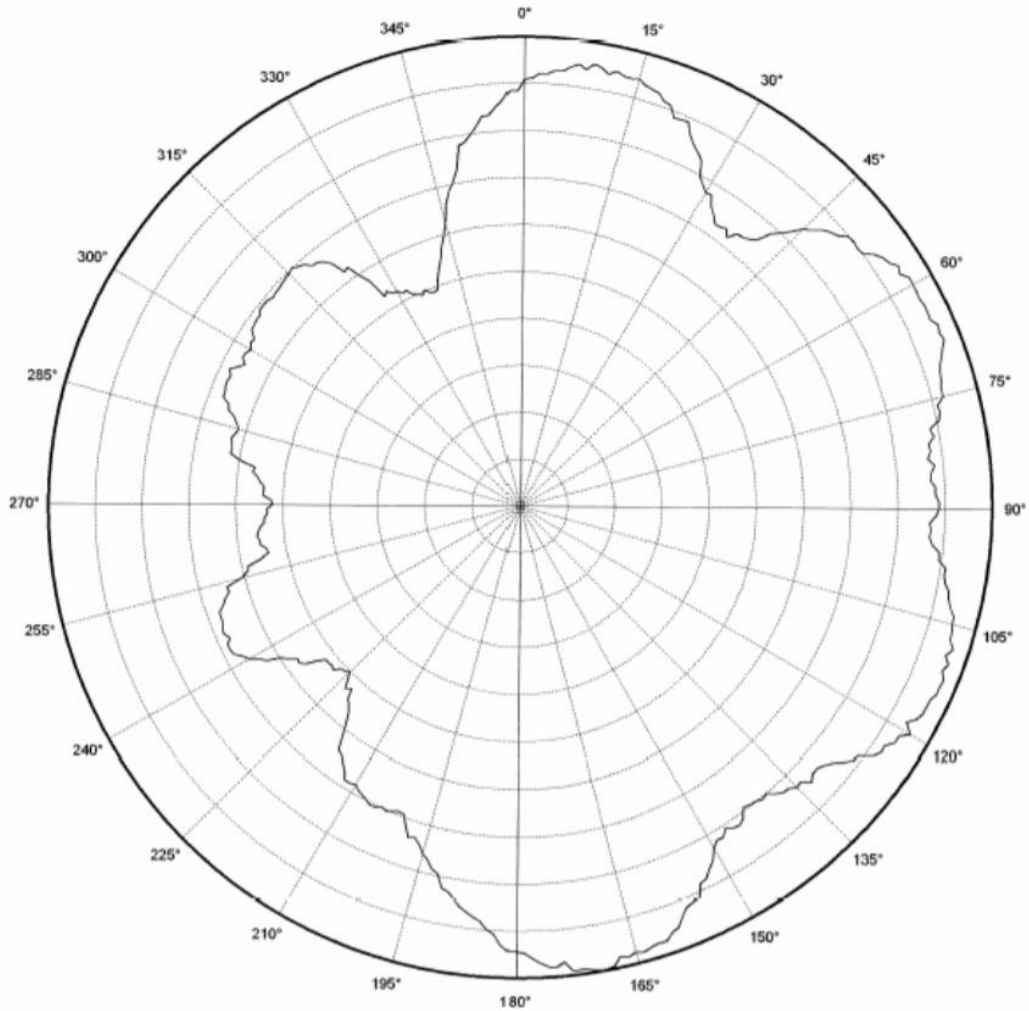
Figure3 XY Plane Horizontal Polarization



Vertical Polarization  
cc2430db xz

CF 2450.000 MHz  
2 dB/ div  
Ref Lev: +33 dBm

Figure4 XZ Plane Vertical Polarization



Horizontal Polarization

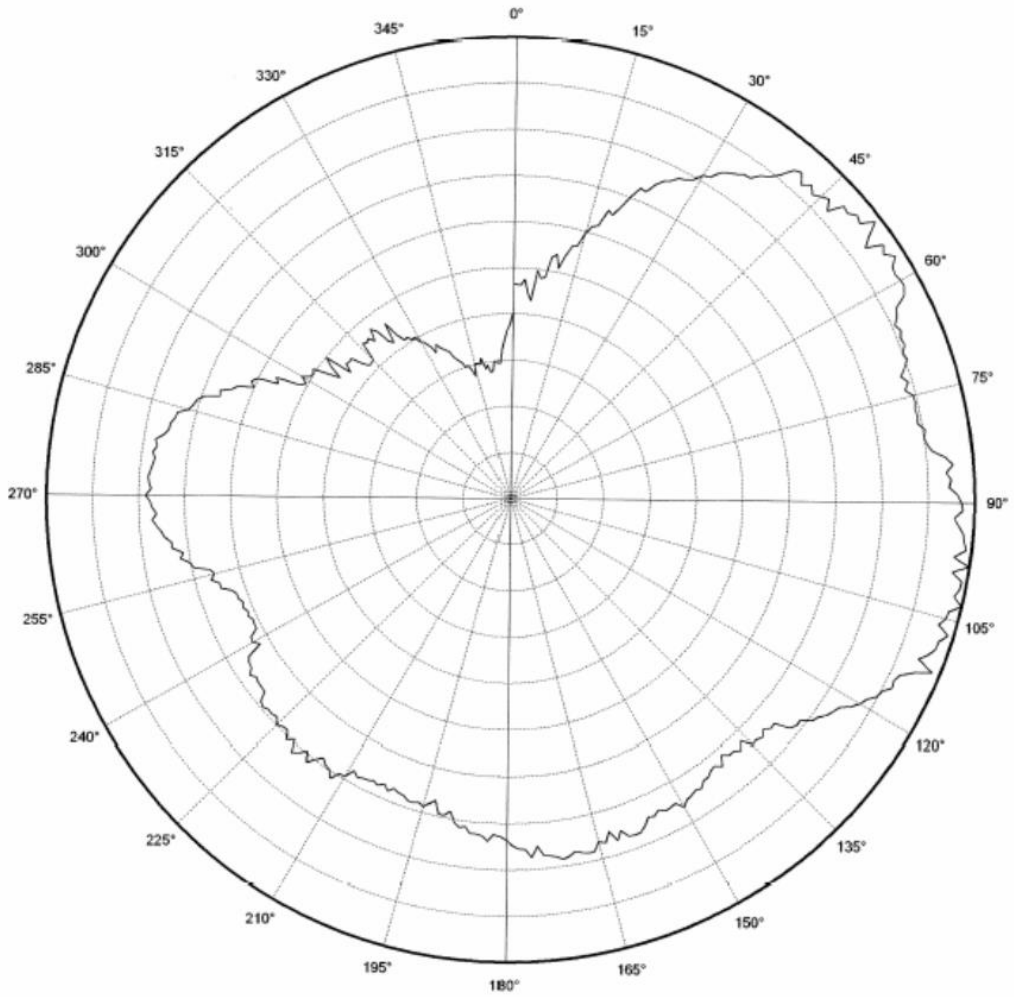
cc2430db xz

CF 2450.000 MHz

3 dB/ div

Ref Lev: *-1.5* dBm

Figure5 XZ Plane Horizontal Polarization



Vertical Polarization

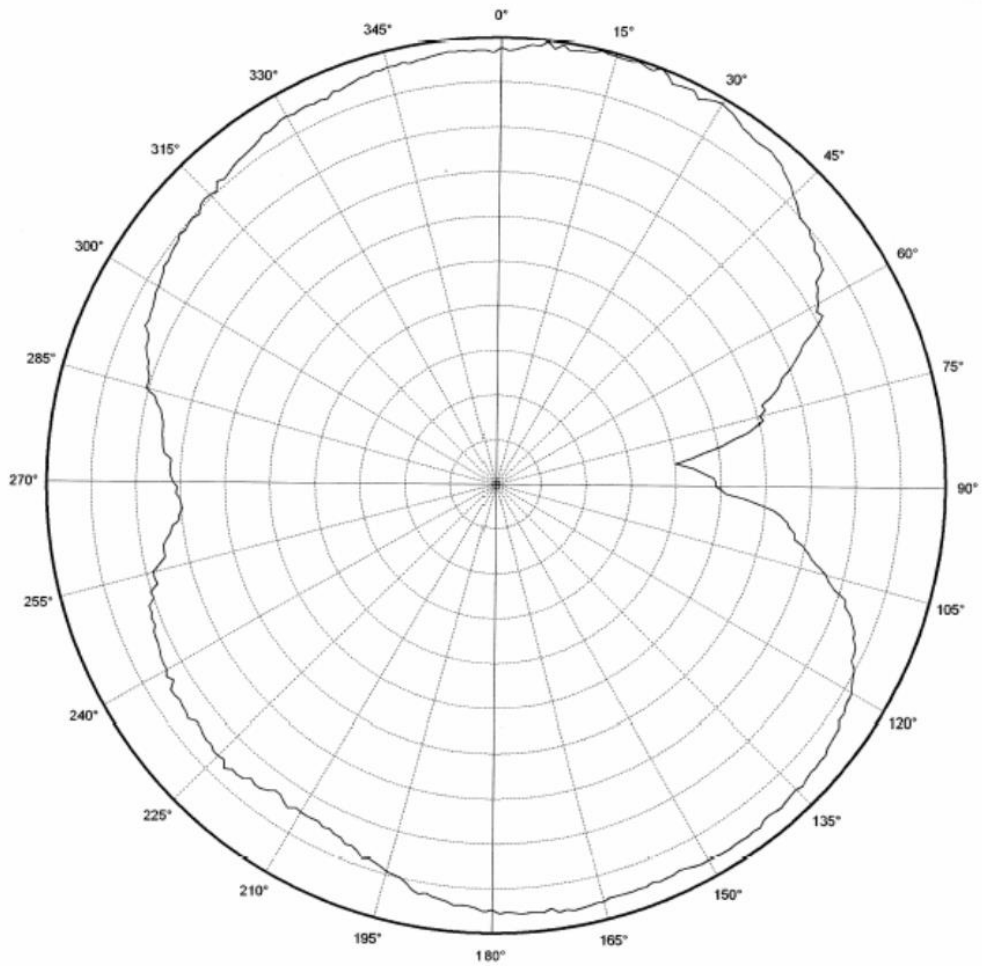
cc2430db yz

CF 2450.000 MHz

2 dB/div

Ref Lev: +1.6 dBm

Figure6 YZ Plane Vertical Polarization



Horizontal Polarization  
cc2430db yz

CF 2450.000 MHz  
5 dB/div  
Ref Lev: +11 dBm

Figure8 YZ Plane Horizontal Polarization

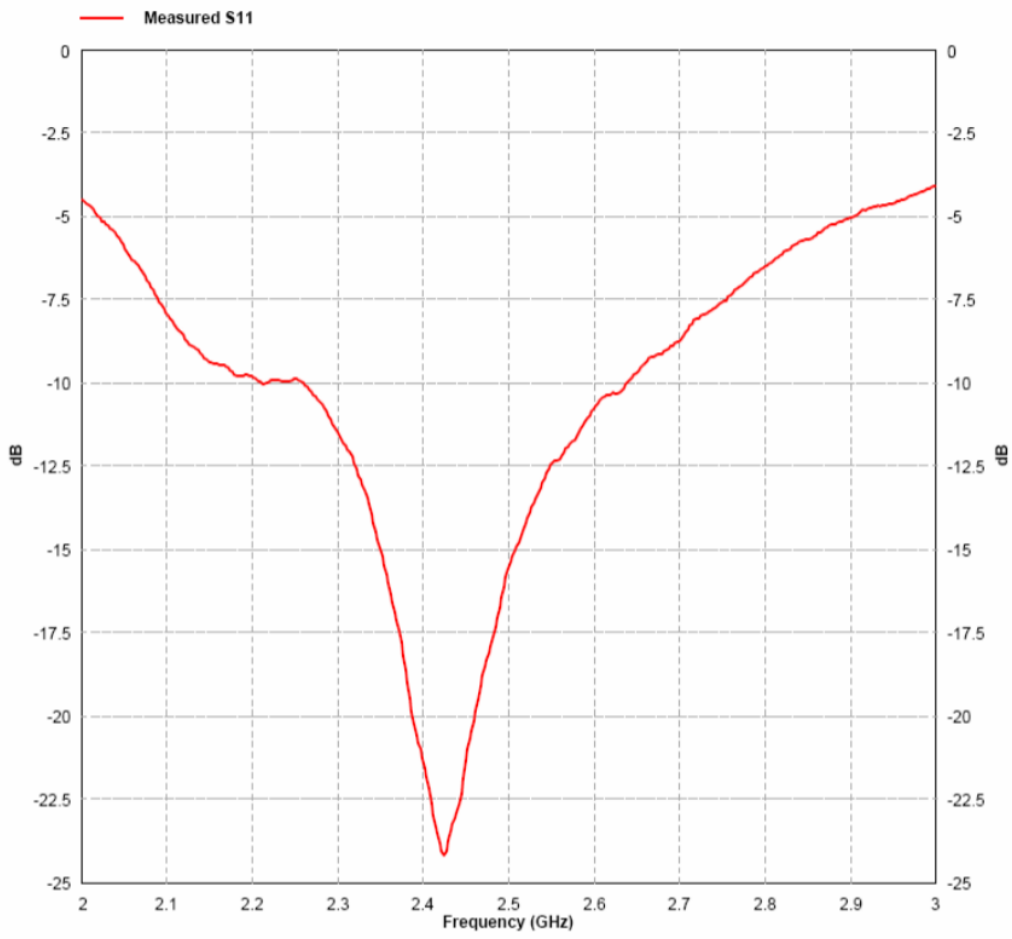


Figure9 Measured Reflection at the Feed Point of the Antenna