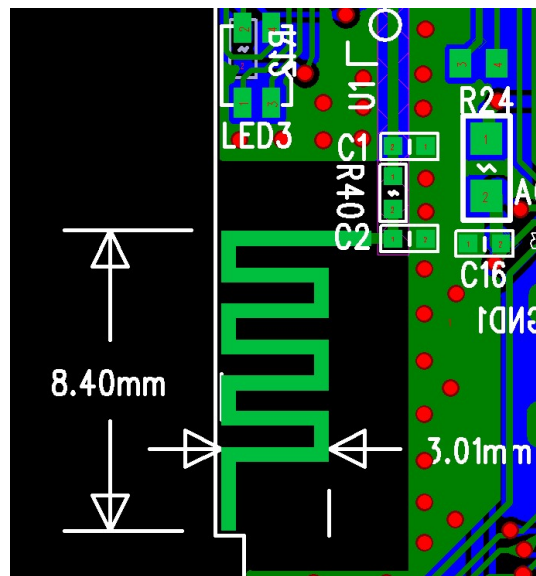


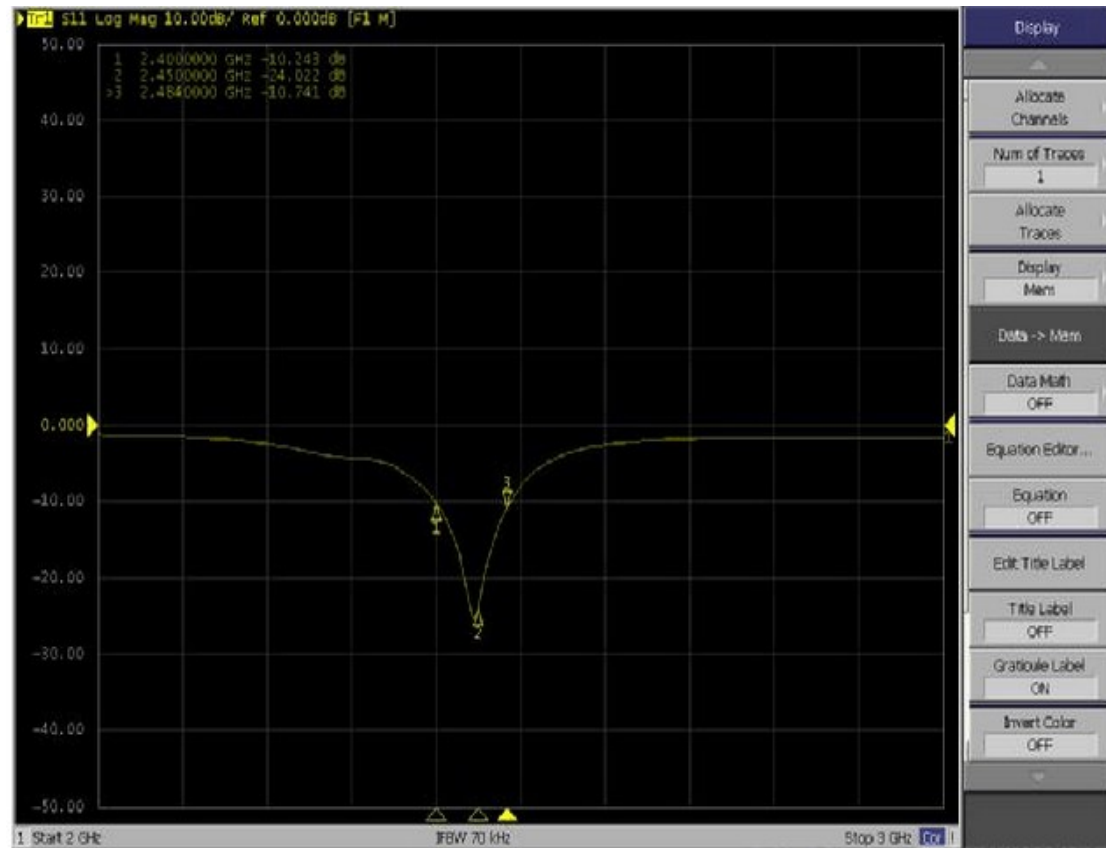
1.Electrical Characteristics

Item	Specification
Model	BF01
Manufacturer	Smartal Electronic Co.,Limited
Type	PCB Meander Line Antenna
Central frequency	2.441 GHz
Bandwidth	78 MHz (Typical value)
Gain	1dBi
Polarization	Linear
VSWR	2 max.
Azimuth Bandwidth	Omni-directional
Impedance	50Ω
Rated Power (max.)	4dBm
Maximum Input Power	10dBm
Operation Temperature	-40 C ~ +85 C

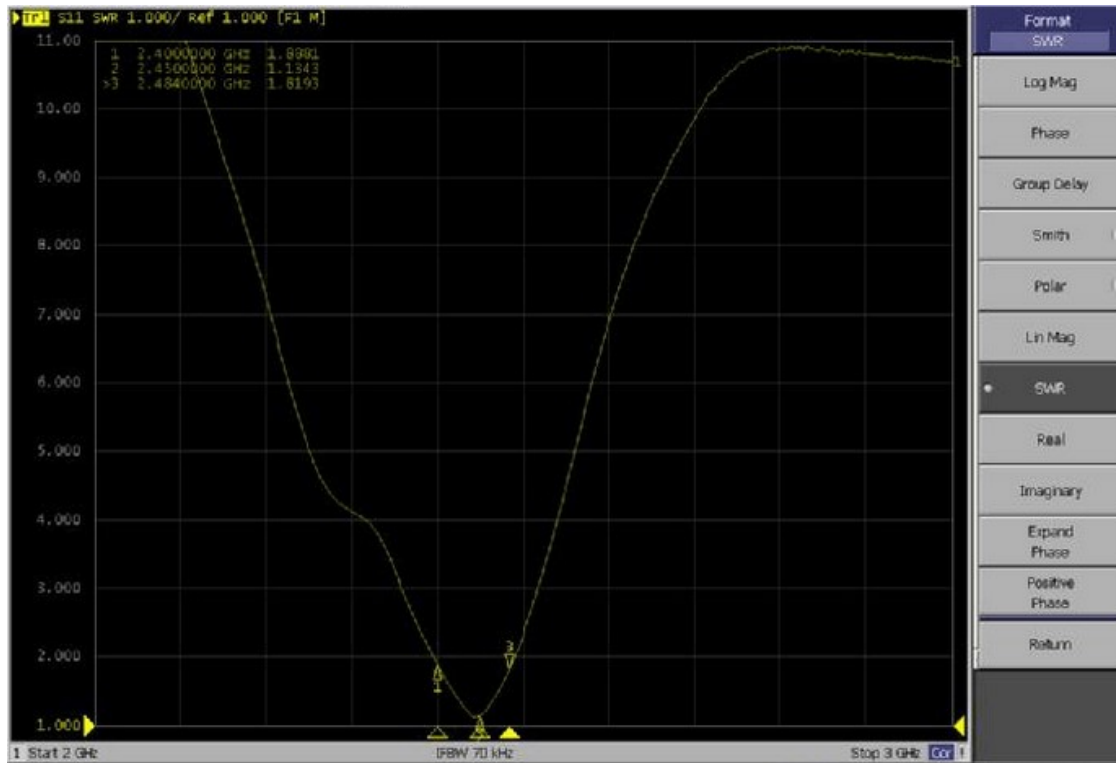
2.The suggestion of matching circuit



3. The Measurement of S-Parameter and VSWR



Frequency(GHz)	S11(dB)
2.402	-10.24
2.441	-24.02
2.480	-10.74



Frequency(GHz)	VSWR
2.402	1.88
2.441	1.13
2.480	1.81

The reference:

Return Loss	-6.02dB	-7.36dB	-10dB	-13dB	-20dB
VSWR	3	2.5	1.92	1.576	1.22
Return Power Ratio	25%	18.37%	10%	5%	0.98%

