

1.Description of antenna characteristics

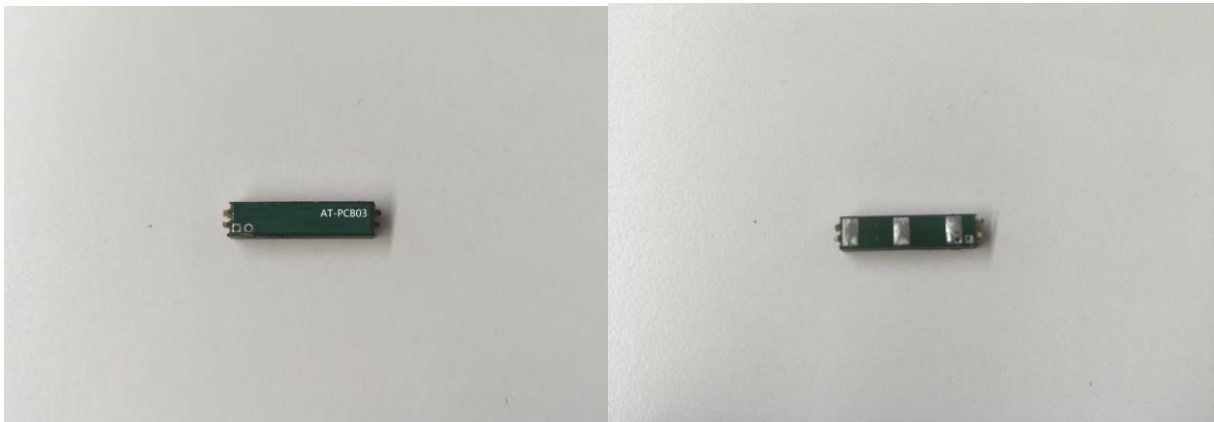


chart1.Actual effect picture of antenna

1.1 Summary

Design Specifications	Typical	Units
Antenna form	PCB SMT welding	\
工作频率(working Frequency)	2400~2500	MHz
增益 (Gain)	2.5	dBi
天线效率 (Antenna efficiency)	55	%
电压驻波比 (VSWR)	<2	\
极化方式(Polarization)	Vertical polarization	\
轴比(Axial Ratio)	\	\
辐射方向(Radiation pattern)	Orientation; Horizontal beam 120 degrees; Vertical beam 120 degrees	\

输入阻抗(impedance)	50	ohm
功率容量(Power handling)	33	dBm
天线接口(Interface)	On board SMT	\
天线尺寸(Overall dimensions)	18.1mm*4.4mm*3.6mm	\
重量(Weight)	\	\
工作温度(Operatin Temp)	-30° -70°	\
储存温度(Storing Temp)	-30° -70°	\

2. Antenna test environment

2.1 Test equipment

天线测试时矢量网络分析仪 ROHDE&SCHWARZ ZNB 20

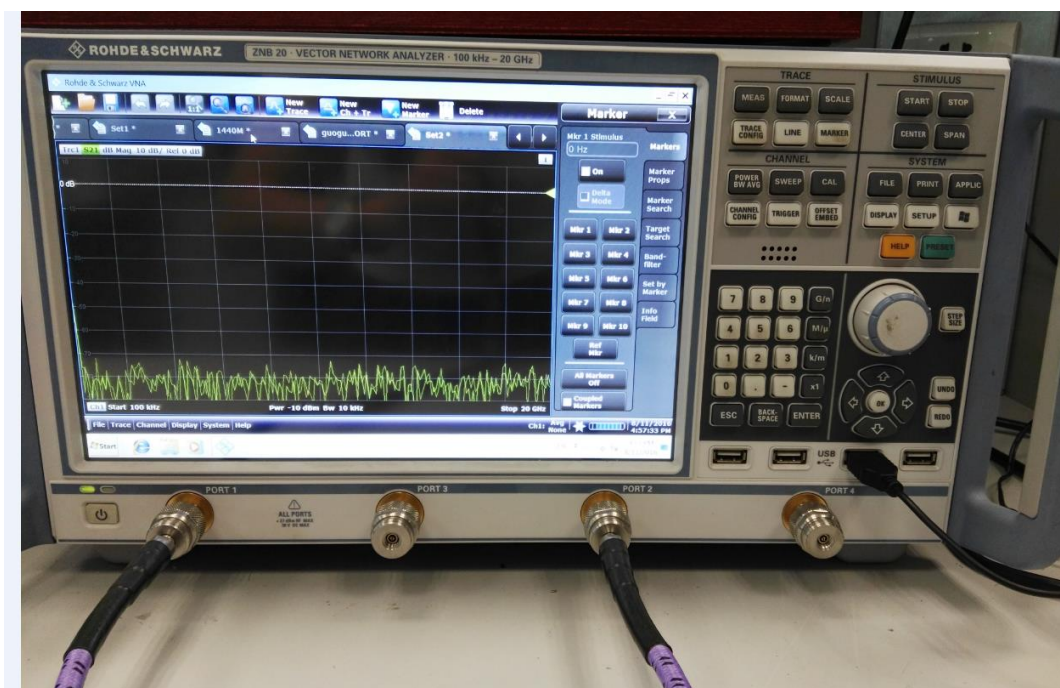


chart2.Vector network analyzer

2.2 testing environment



chart3. testing environment

2.3 test result

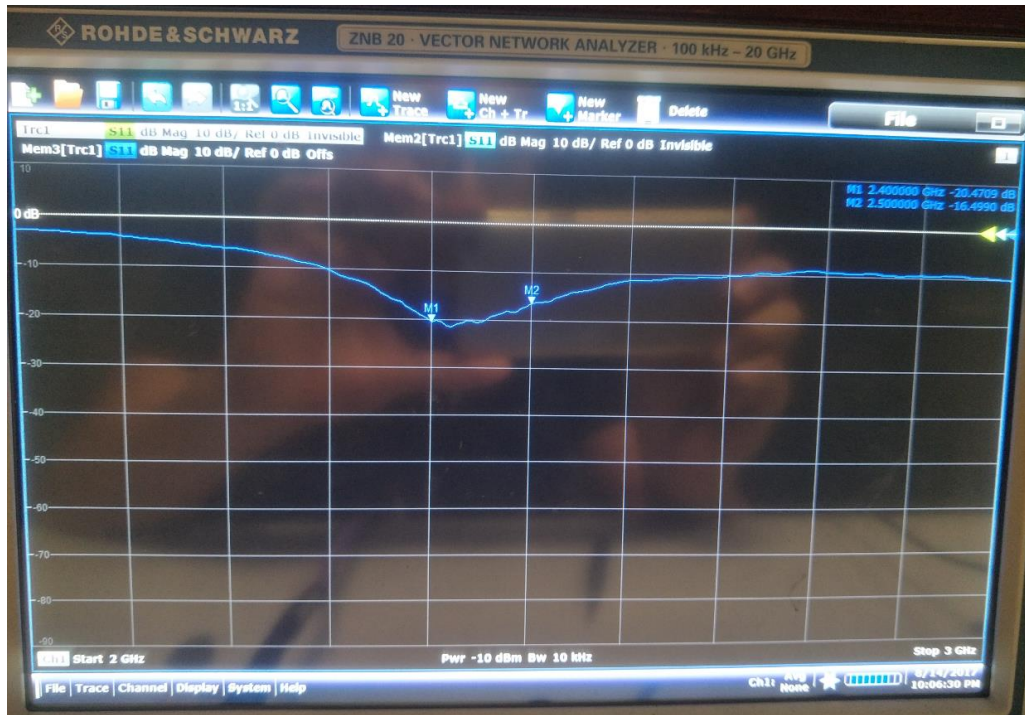


chart4.Return loss

VSWR

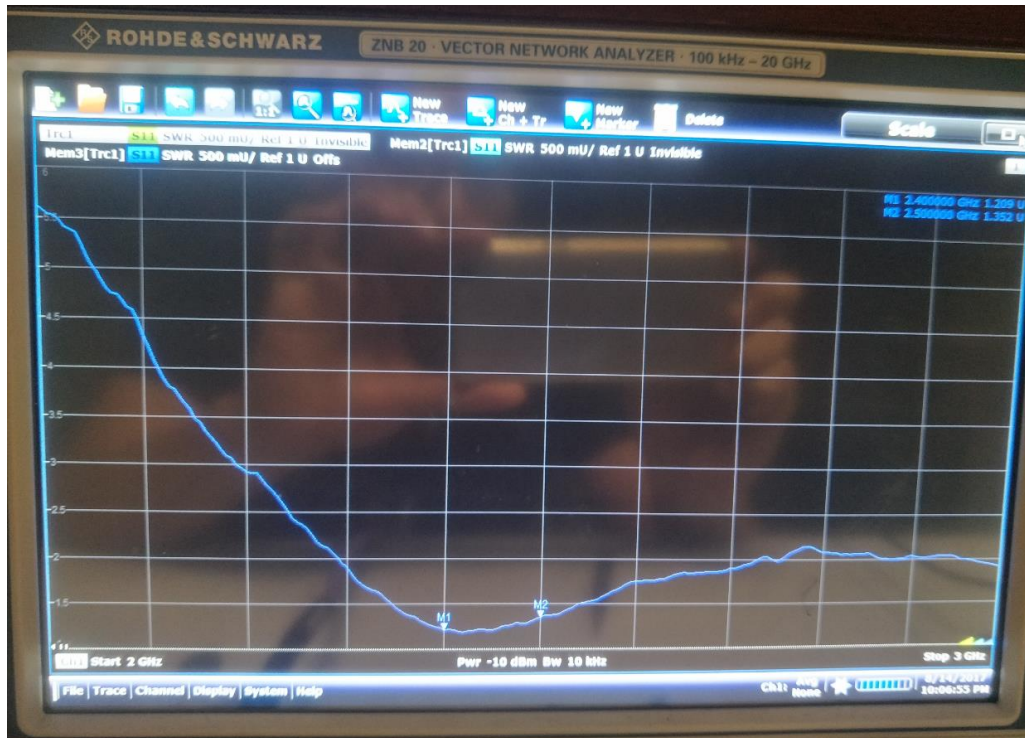


chart45.VSWR

3. Antenna size(单位:mm)

