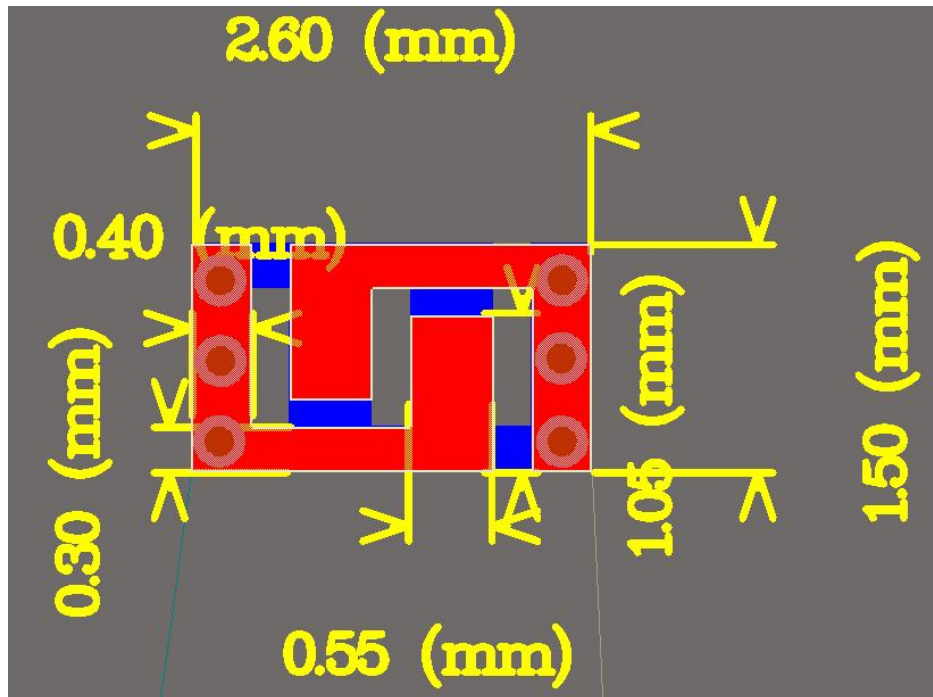


Antenna Specifications

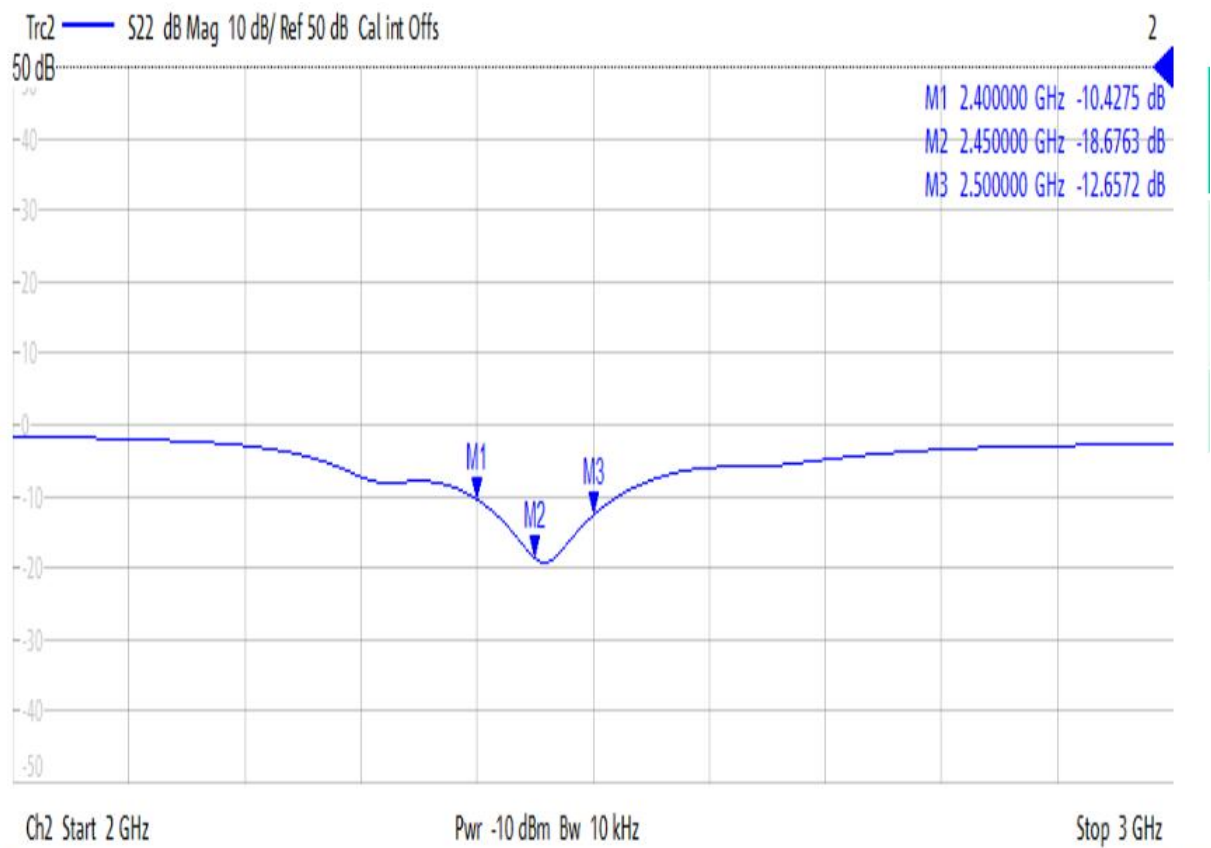
1. Summary

Manufacturer	Shenzhen Stepp Technology Co., Ltd.
Address	4th Floor, Block A, Building A3, Huafeng Century Science and Technology Park, Xixiang Street, Bao'an District, Shenzhen, China
Antena Tye	PCB Antenna
Antenna Model	ST003
Frequency Rang	2400 – 2500 MHz
VSWR	≤1.92
Impedance	50 ohms
Return Loss	-10 dB Max
Radiation	Omni-directional
Gain (Peak)	-1.2dBi
Polarization	Linear, Vertical
Operating Temperature	-40 ~ +85°C
Dimension (mm)L*W*T	2.6*1.5*0.8

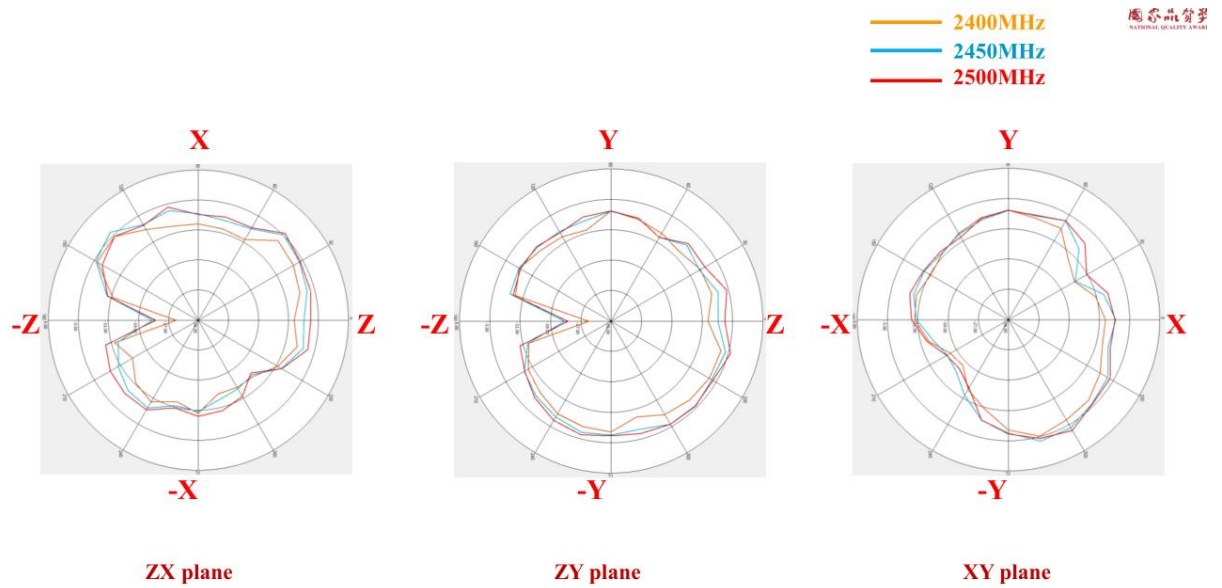
2. Antenna Dimension



3. Return Loss



4. 2D Radiation Patterns



	XZ-Plane		YZ-Plane		XY-Plane	
Frequency [MHz]	Max. Value (dB)	Ave. Value (dB)	Max. Value (dB)	Ave. Value (dB)	Max. Value (dB)	Ave. Value (dB)
2400 MHz	-3.3	-9.21	-5.95	-9.87	-3.11	-9.52
2450 MHz	-1.79	-6.72	-5.68	-8.42	-1.77	-8.19
2500 MHz	-2.17	-6.63	-3.32	-8.02	-1.2	-7.83