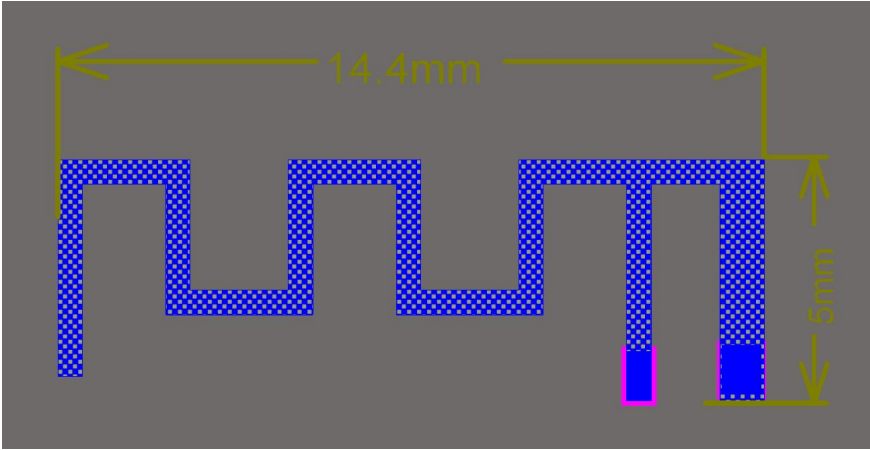


ANTENNA SPECIFICATION

1. Antenna Description

Antenna plate	Internal antenna
Market name/Model name	ESP32
Manufacture	Iton Technology Corp
Antenna Max. Gain	1.58dBi
Frequency Range	2400-2500MHz
Connect Type	Integer antenna
VSWR	1.1
Antenna Type	PCB Antenna

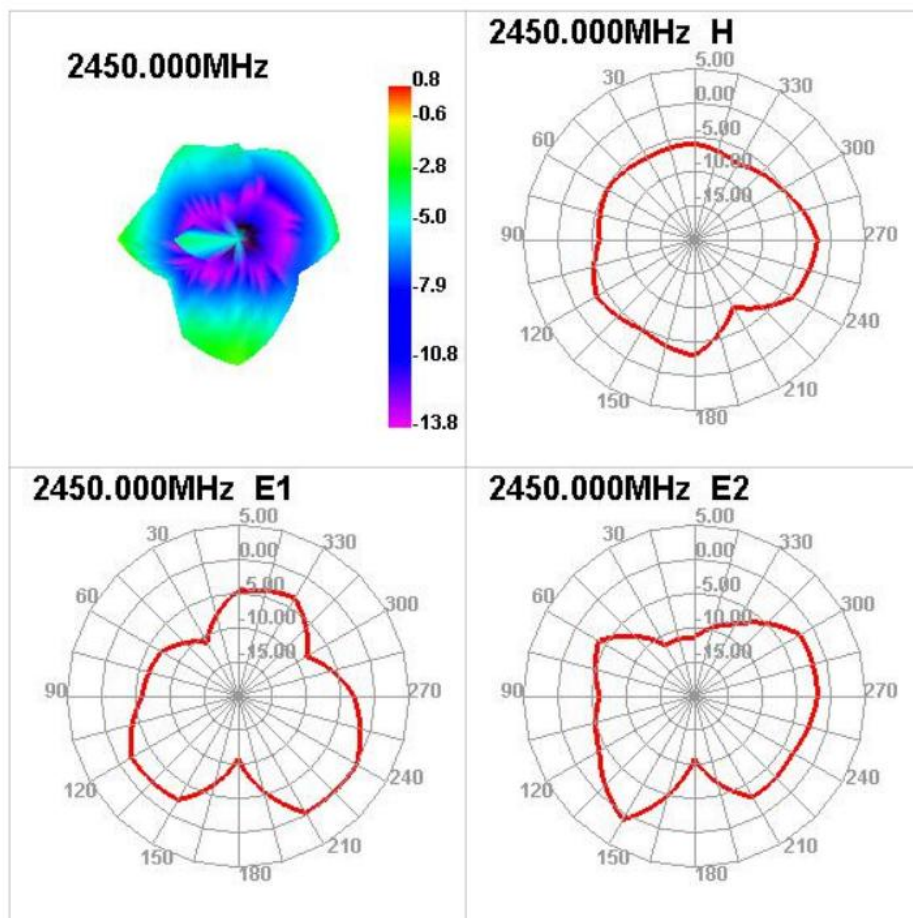
2. Picture of antenna



3. Antenna Gain

Fre (MHz)	Eff (%) (dB)	Gain (dB)
2400	46.1	1.58
2410	42.93	1.11
2420	41.3	1.13
2430	39.68	1.31
2440	36.83	1.14
2450	36.05	0.81
2460	36.59	0.71
2470	36.64	0.78
2480	37.38	0.89
2490	38.29	1.09
2500	37.36	1.04

4. Antenna Radiation Pattern



5. Antenna Return Loss

