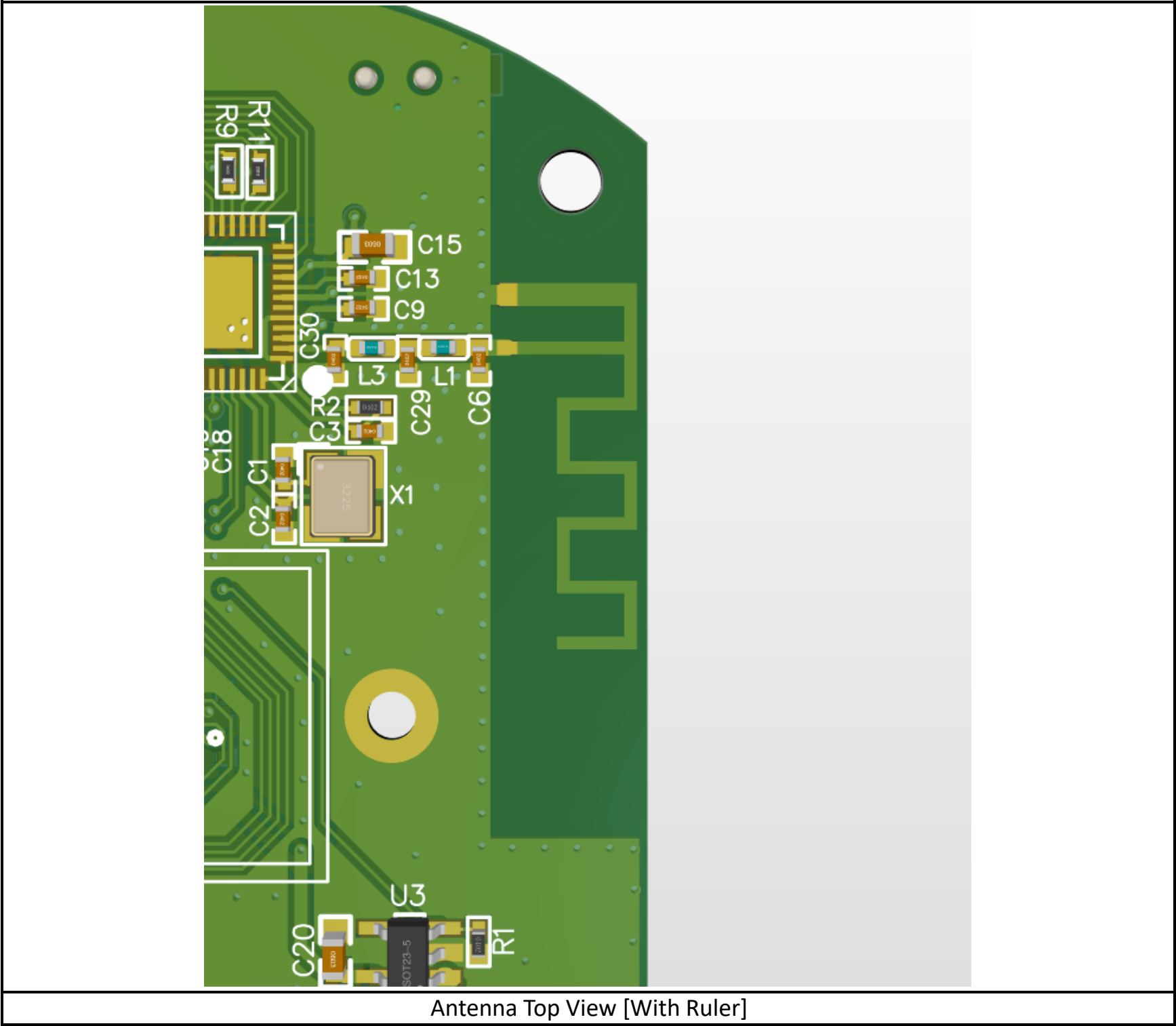


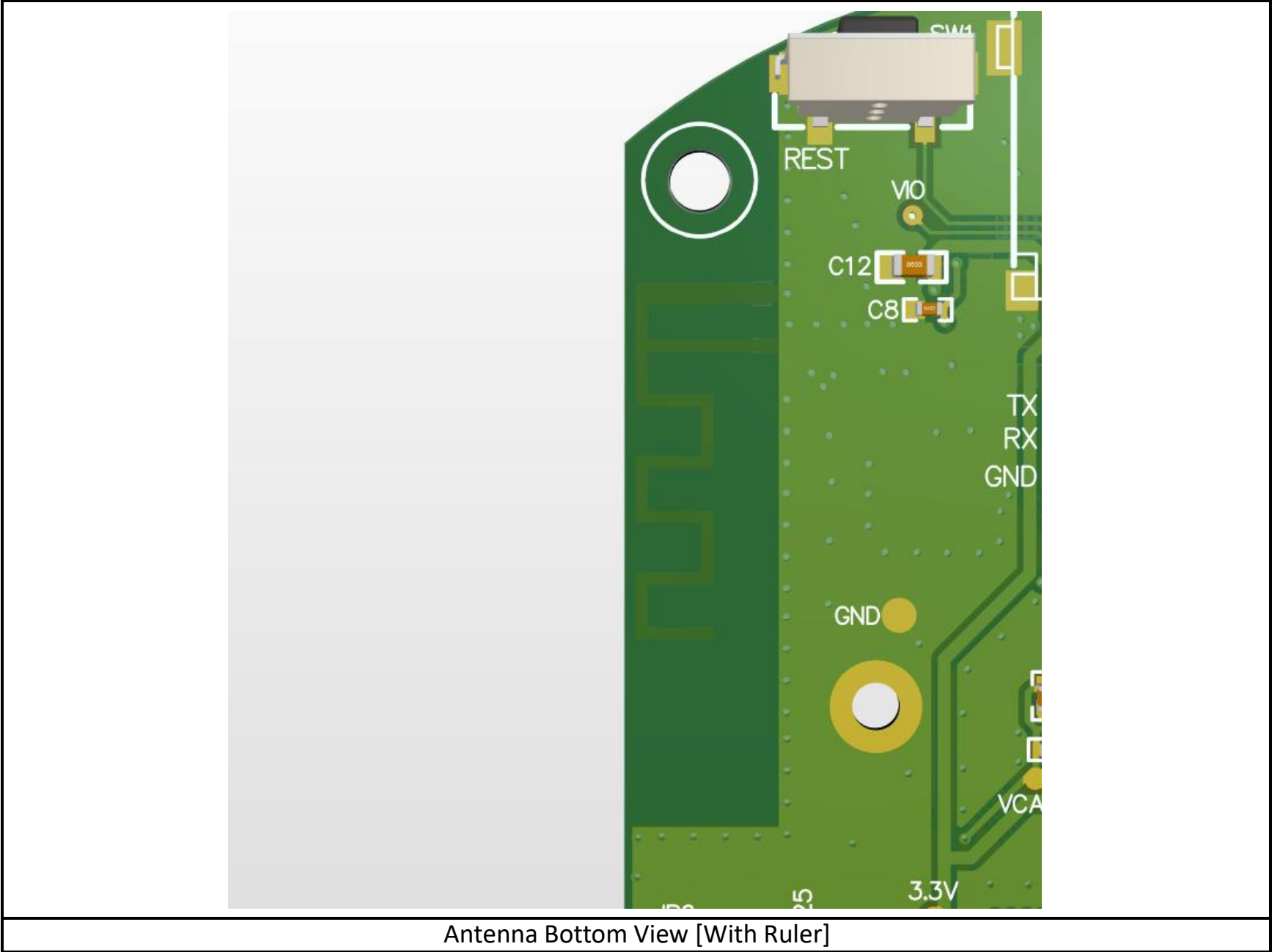
Y2 PCB Antenna

Hardware Parameters

Config	Description
Project Name	Y2S
Product Model	Y2S-WIFI
Antenna Material	Copper
Antenna Dimensions	14.4MM*5.4MM
Antenna size	Y2S
Antenna frequency	2412-2484Mhz
Antenna impedance	50 Ω
Antenna Standing Wave	<2db,
Return loss	<-10db
Power capacity	3W
Gain(dBi)	3.85(peak)
Installation	Embedded PCBA
Input Voltage	5V/1A
Hardware Version	1.3
Software Version	202406171914

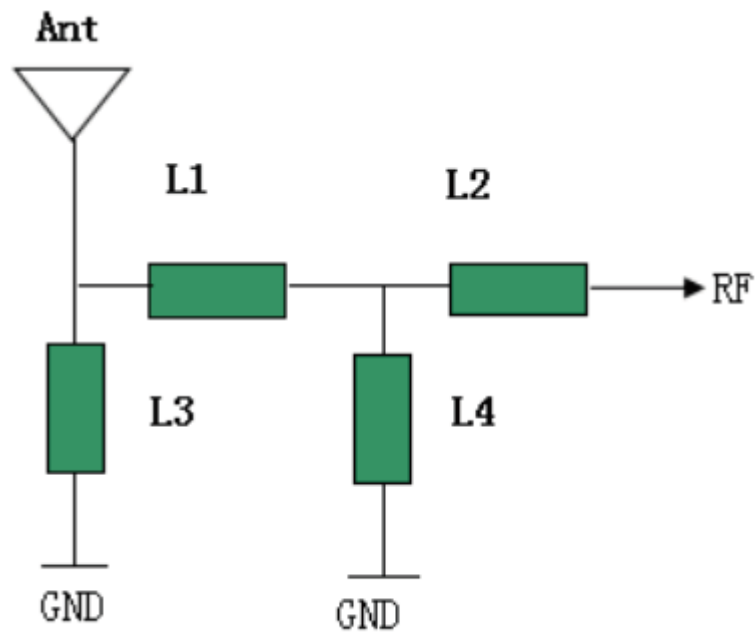
Antenna Photo





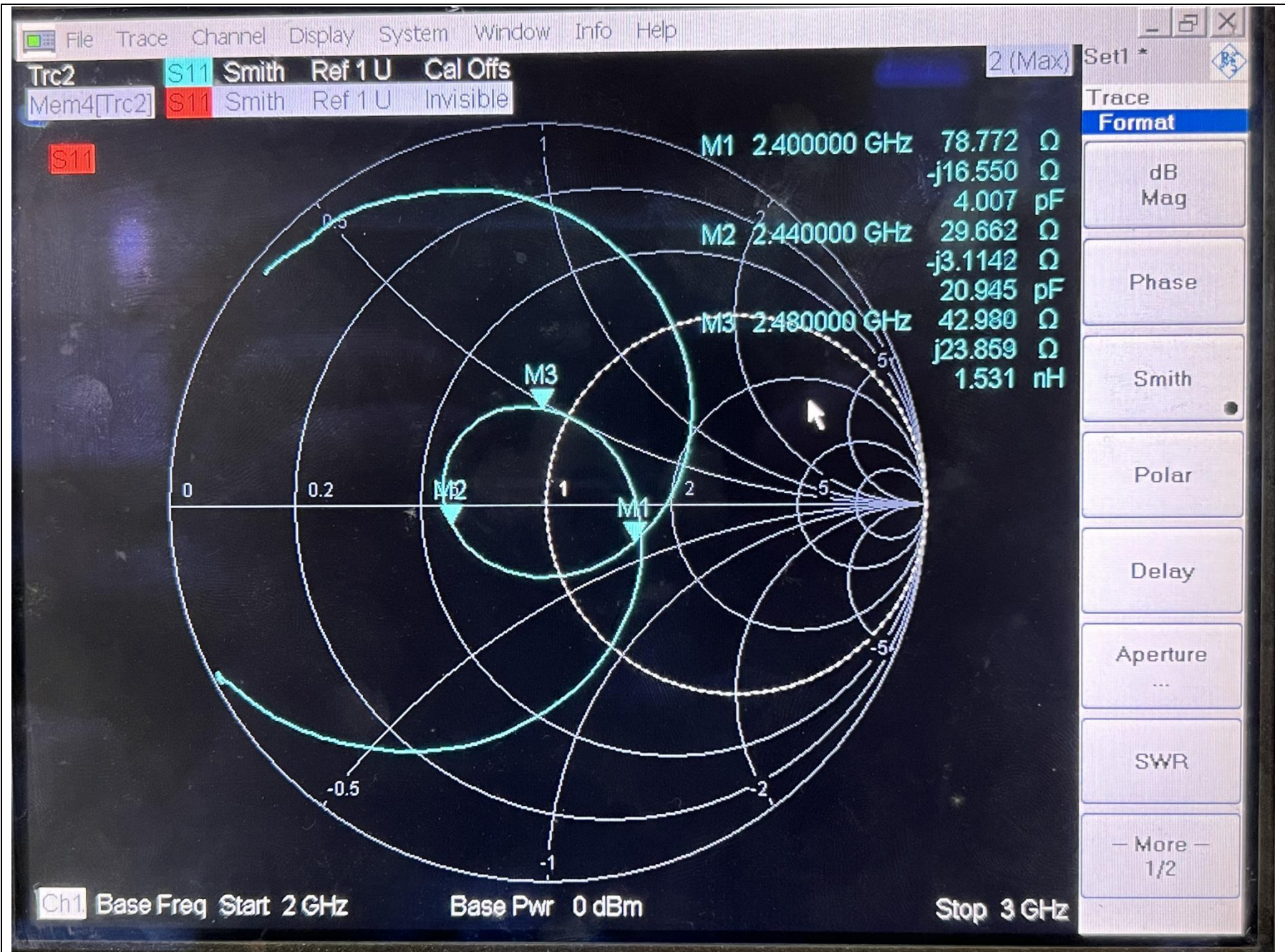
Antenna Performance (OTA)

Antenna Matching Recommendations:



Antenna	
Element	Value
L1 (0201)	
L2 (0201)	
L3 (0201)	
L4 (0201)	
匹配无修改	

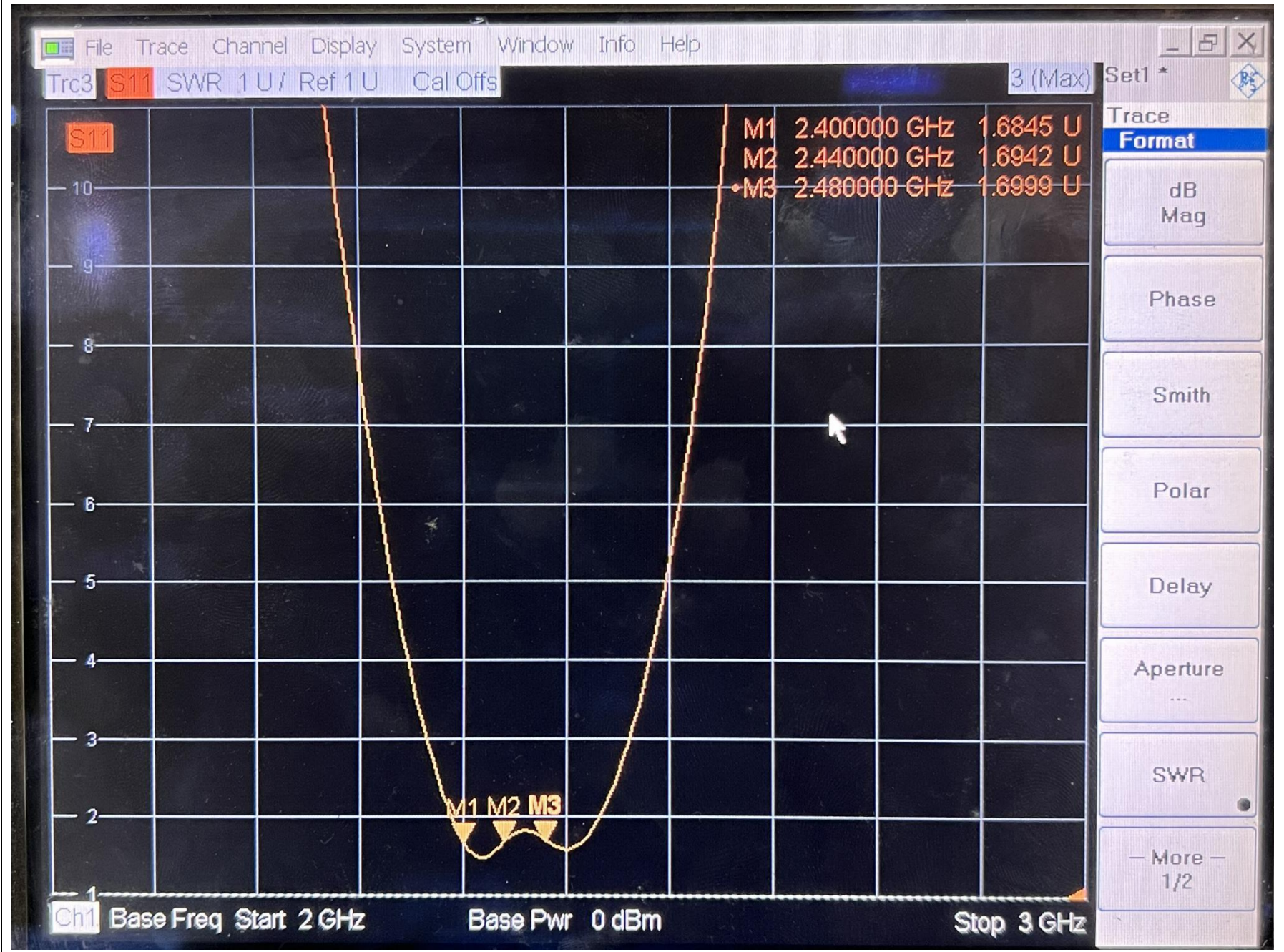
Smith Chart:



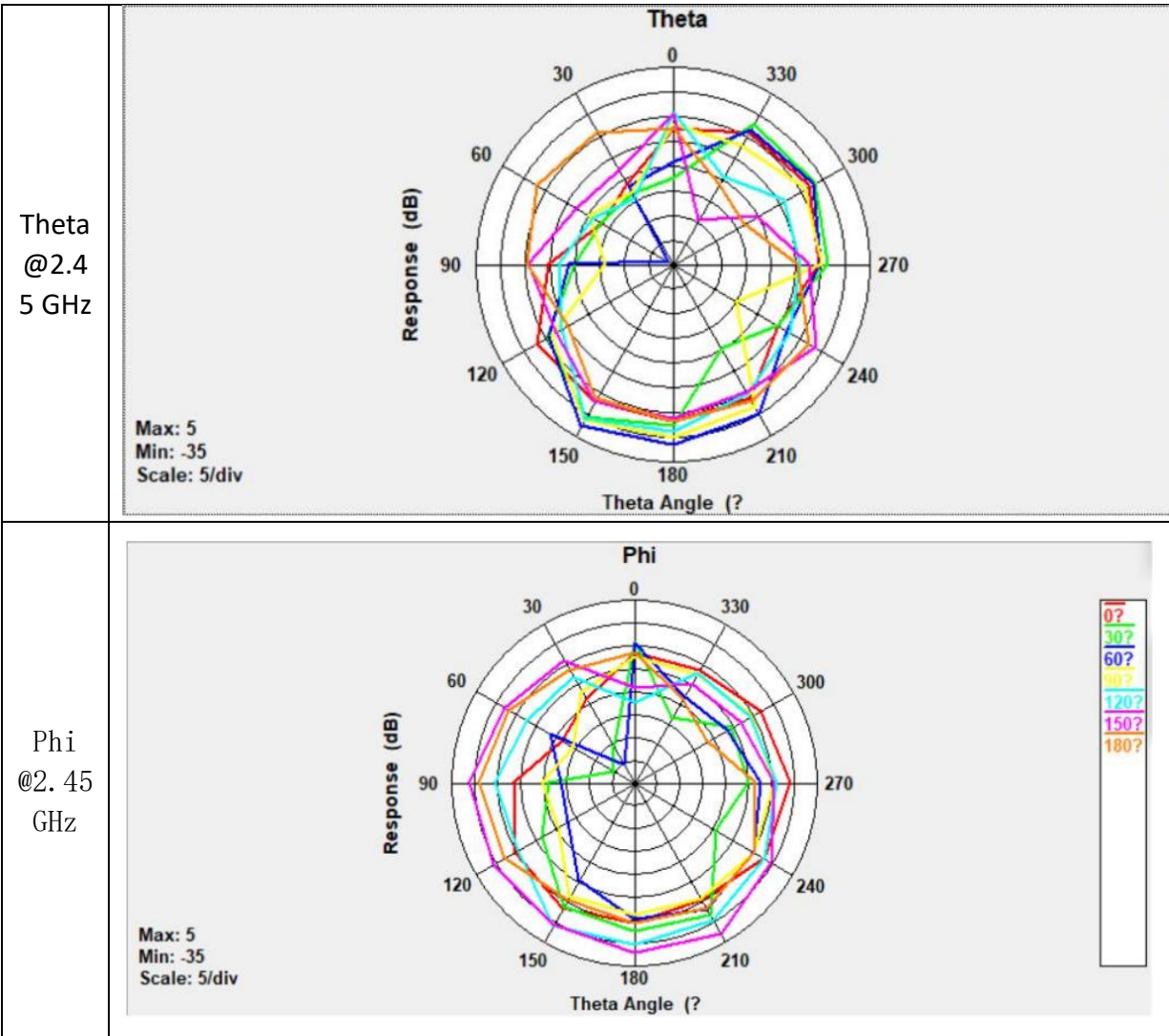
Return loss diagram:

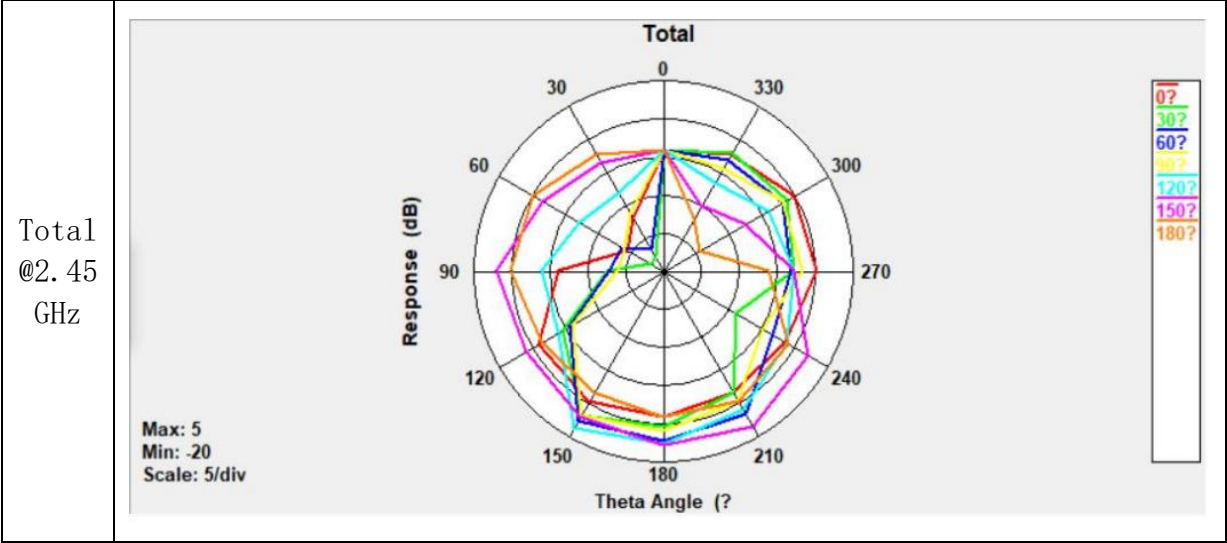


Standing wave diagram:



Antenna Pattern/Gain Measurement data/Table:





Typical free space gain

Frequency	2400MHz	2410MHz	2420MHz	2430MHz	2440MHz	2450MHZ	2460MHZ
Gain(dBi)	3.71	3.75	3.62	3.55	3.51	3.72	3.85
Frequency	2470MHz	2480MHz	2490MHz	2500MHz			
Gain(dBi)	3.71	3.54	3.35	3.30			