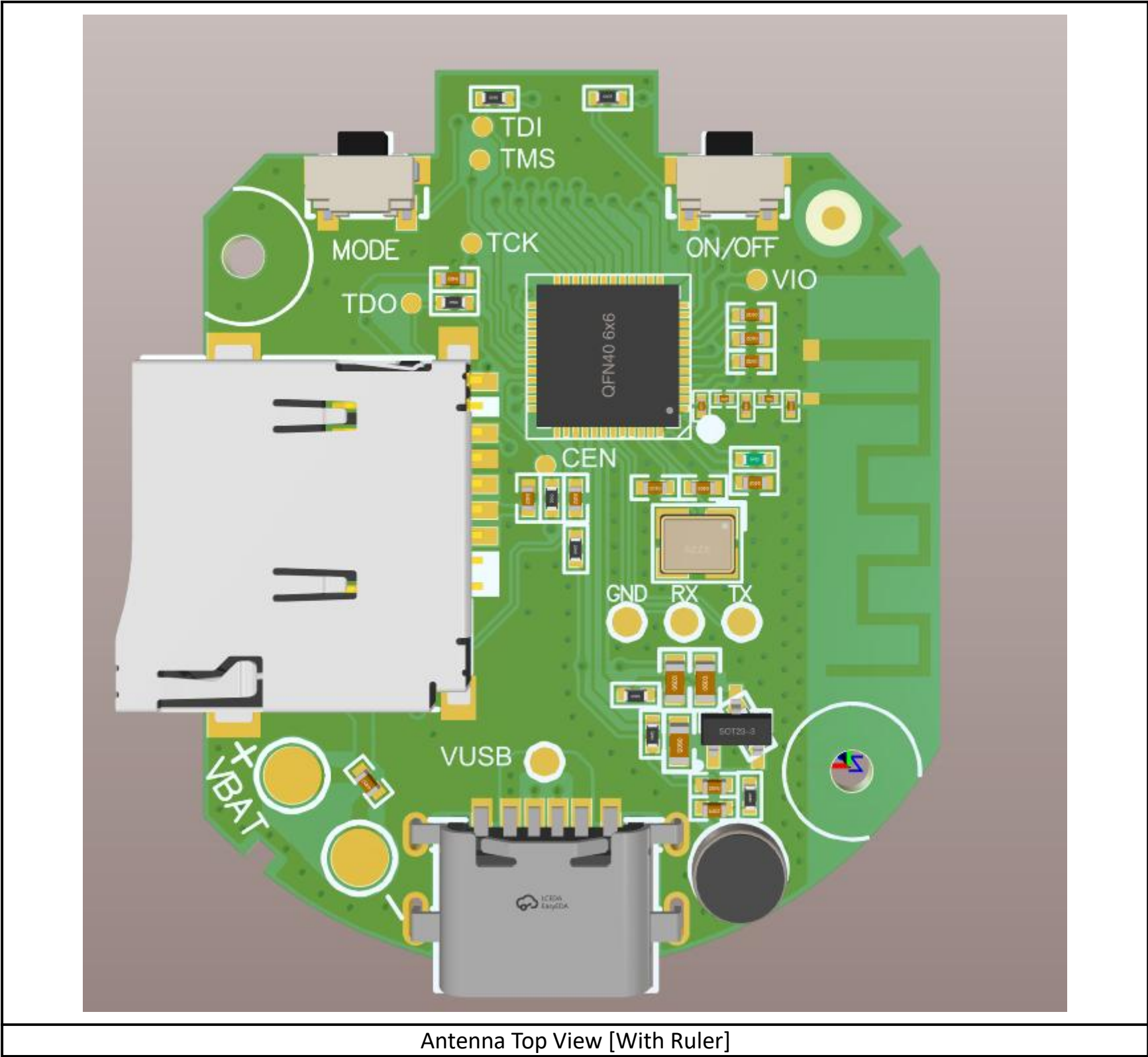


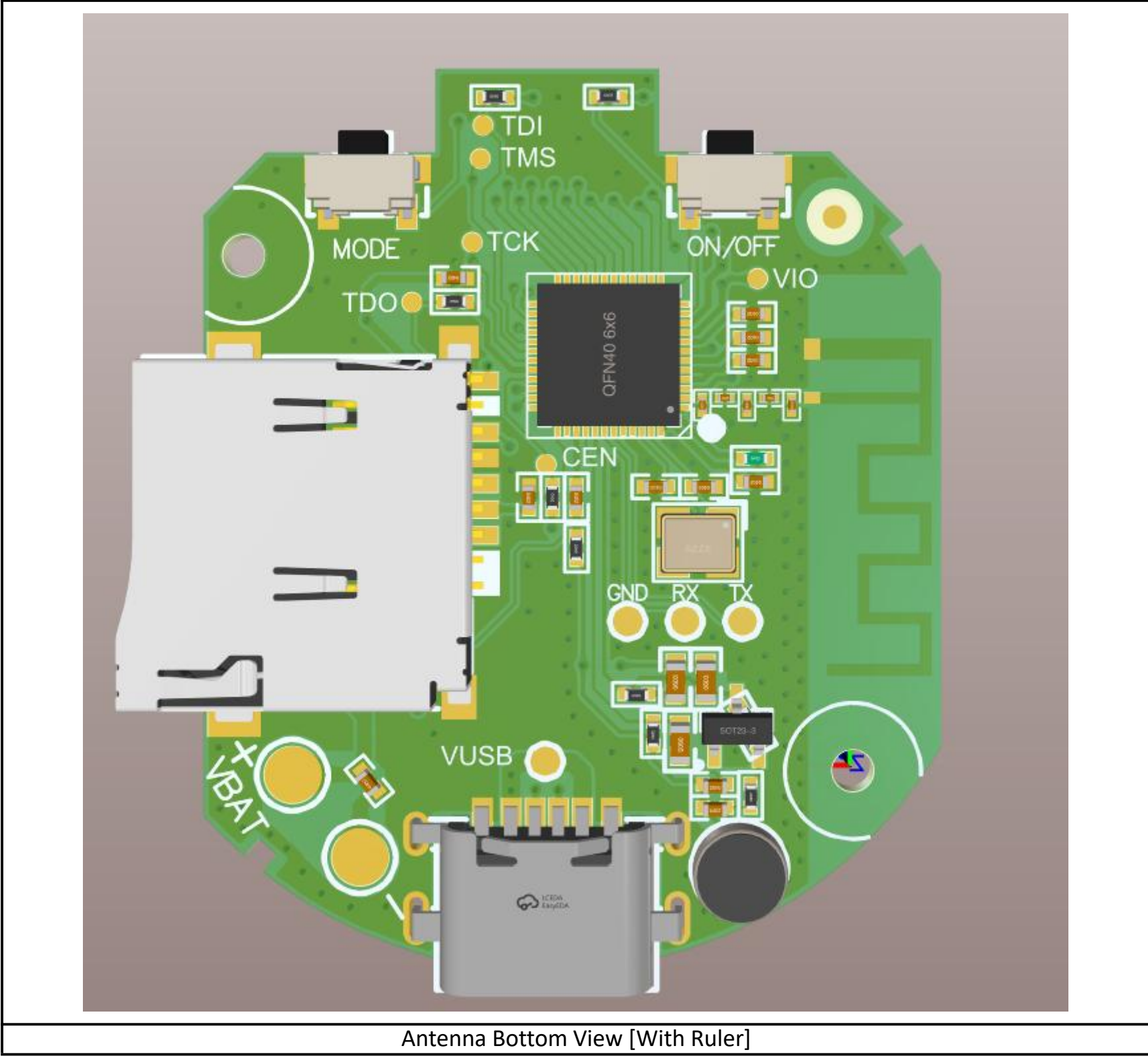
B4 PCB Antenna

Hardware Parameters

Config	Description
Project Name	B4
Product Model	B4-WIFI
Antenna Material	copper
Antenna Dimensions	14.4MM*5.4MM
Antenna size	B4
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	V1.3
Software Version	202412251914

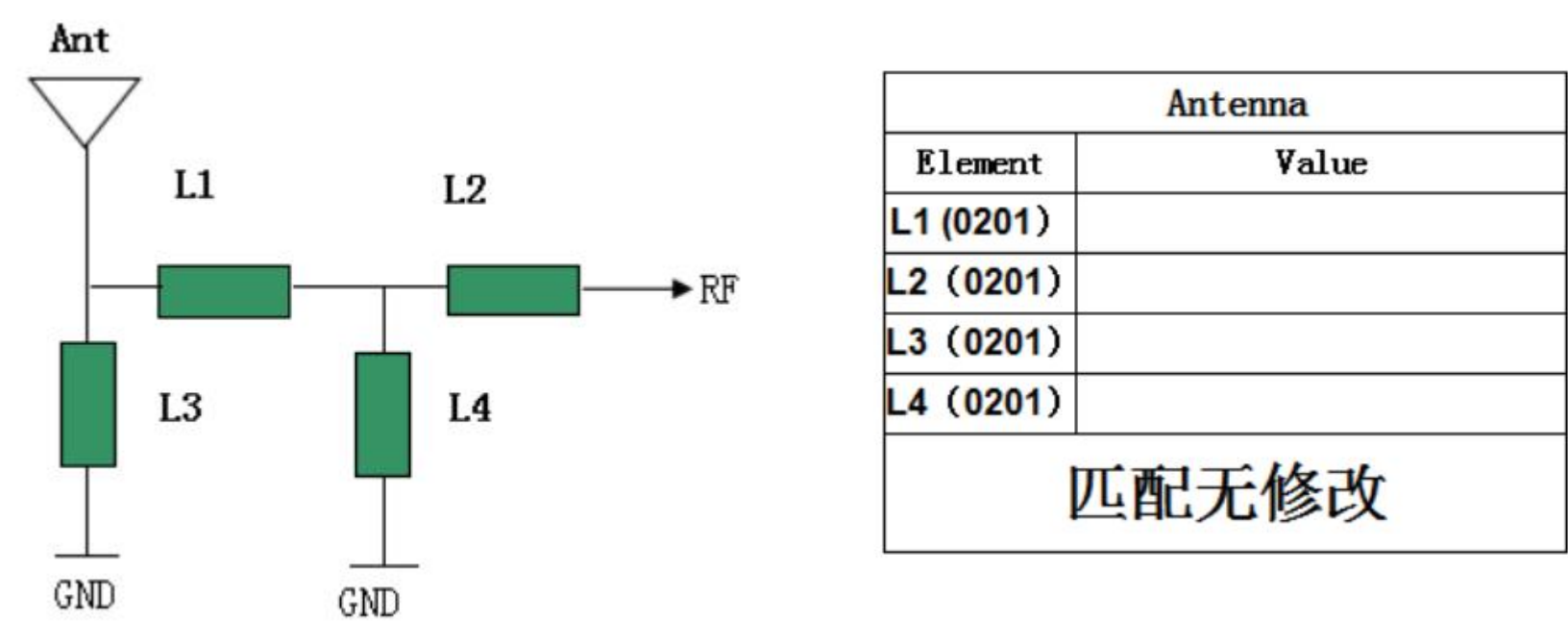
Antenna Photo



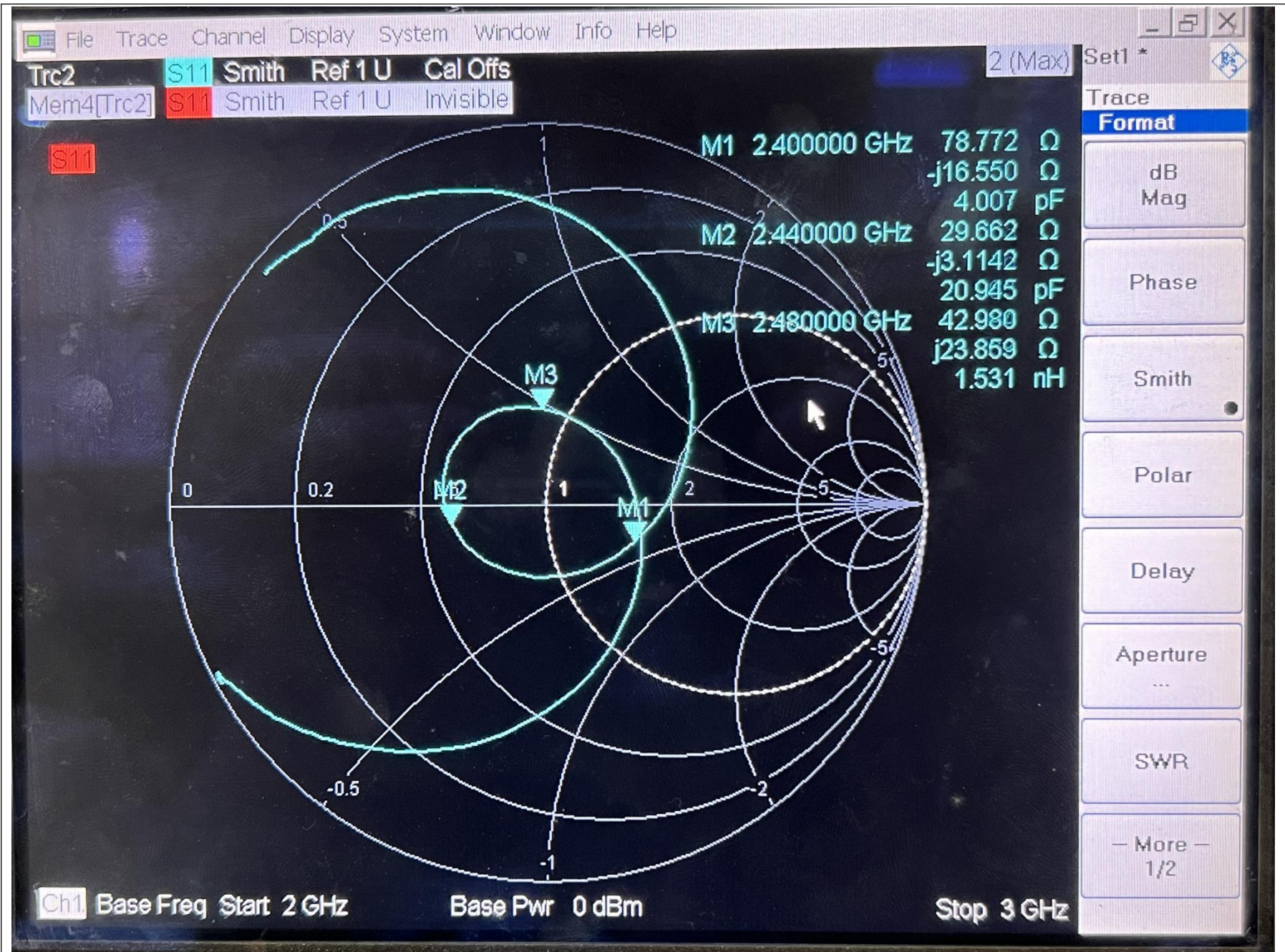


Antenna Performance (OTA)

Antenna Matching Recommendations:



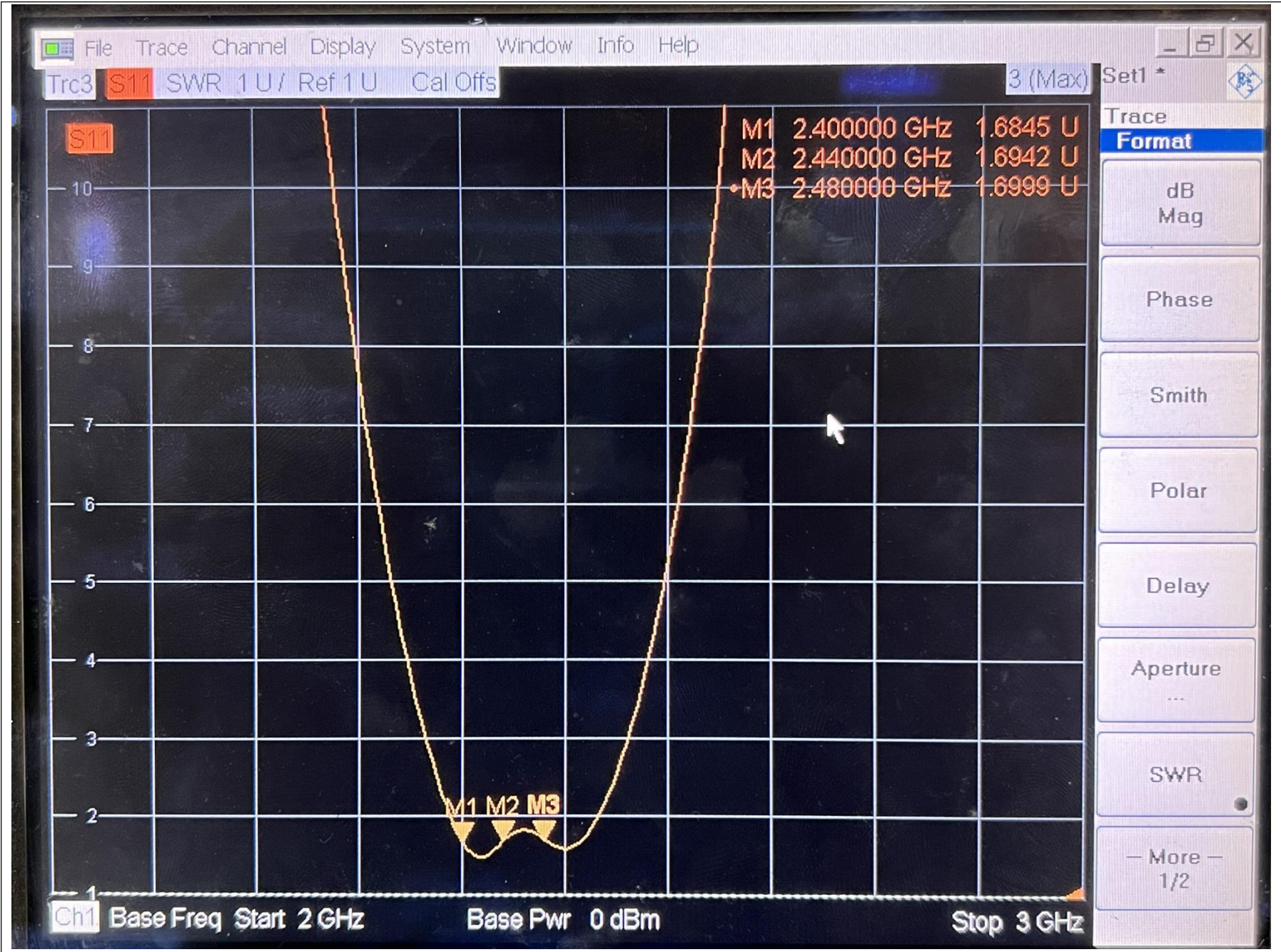
Smith Chart:



Return loss diagram:



Standing wave diagram:



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			

谢长廷