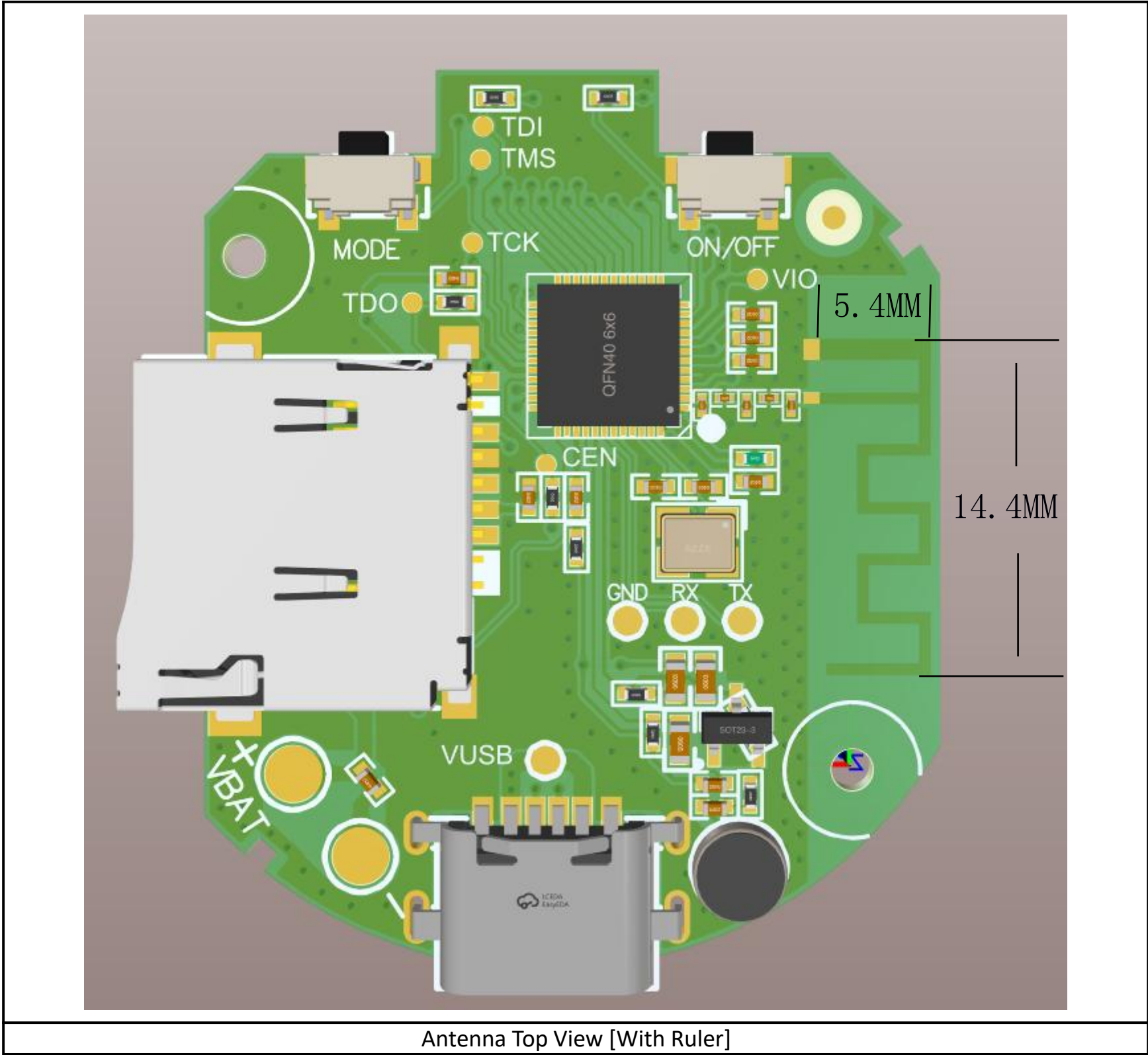


A9N PCB Antenna

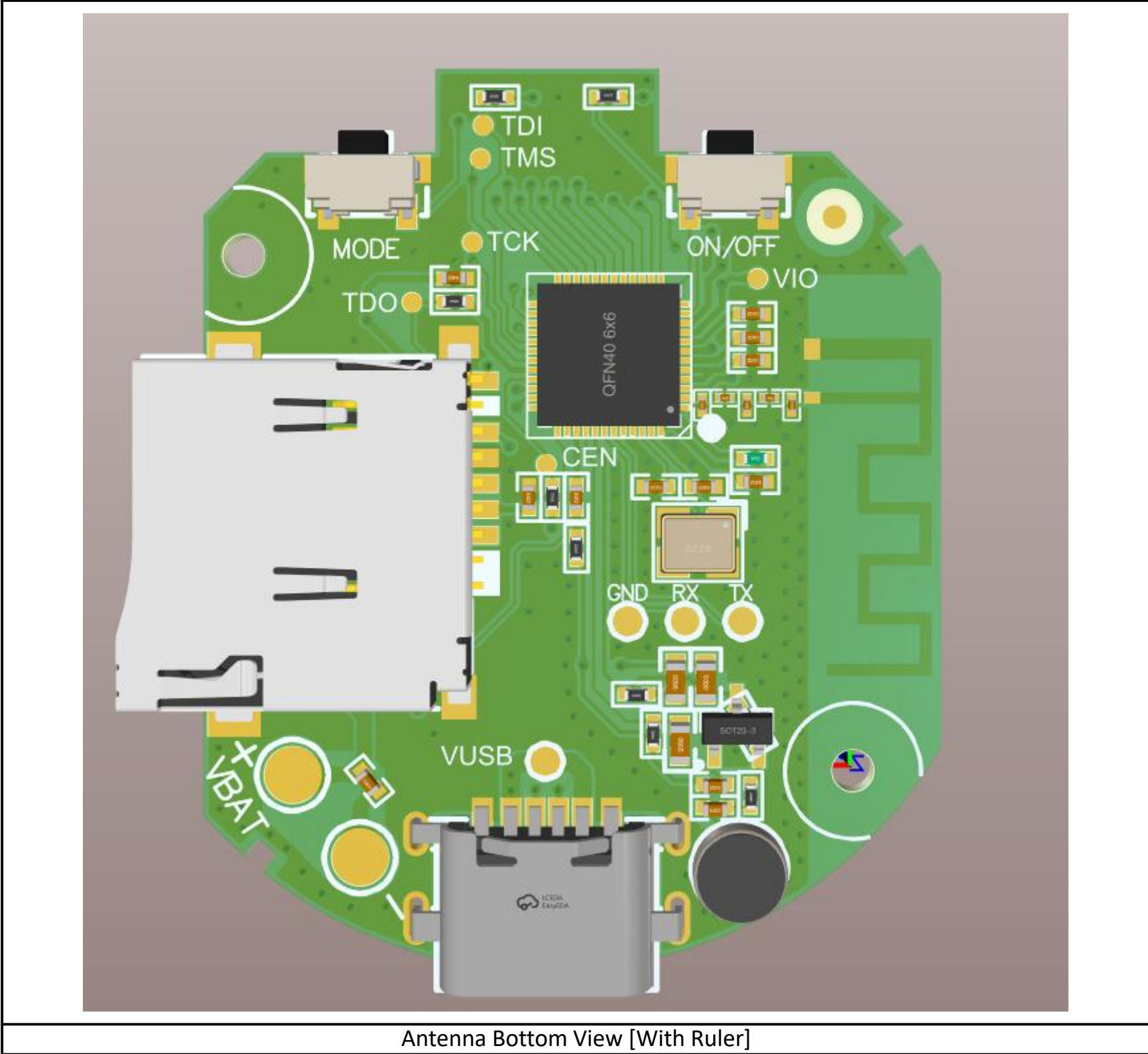
Hardware Parameters

Config	Description
Project Name	A9N
Product Model	A9N-WIFI
Antenna Type	PCB Antenna
Antenna Dimensions	14.4MM*5.4MM
Antenna size	A9N
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

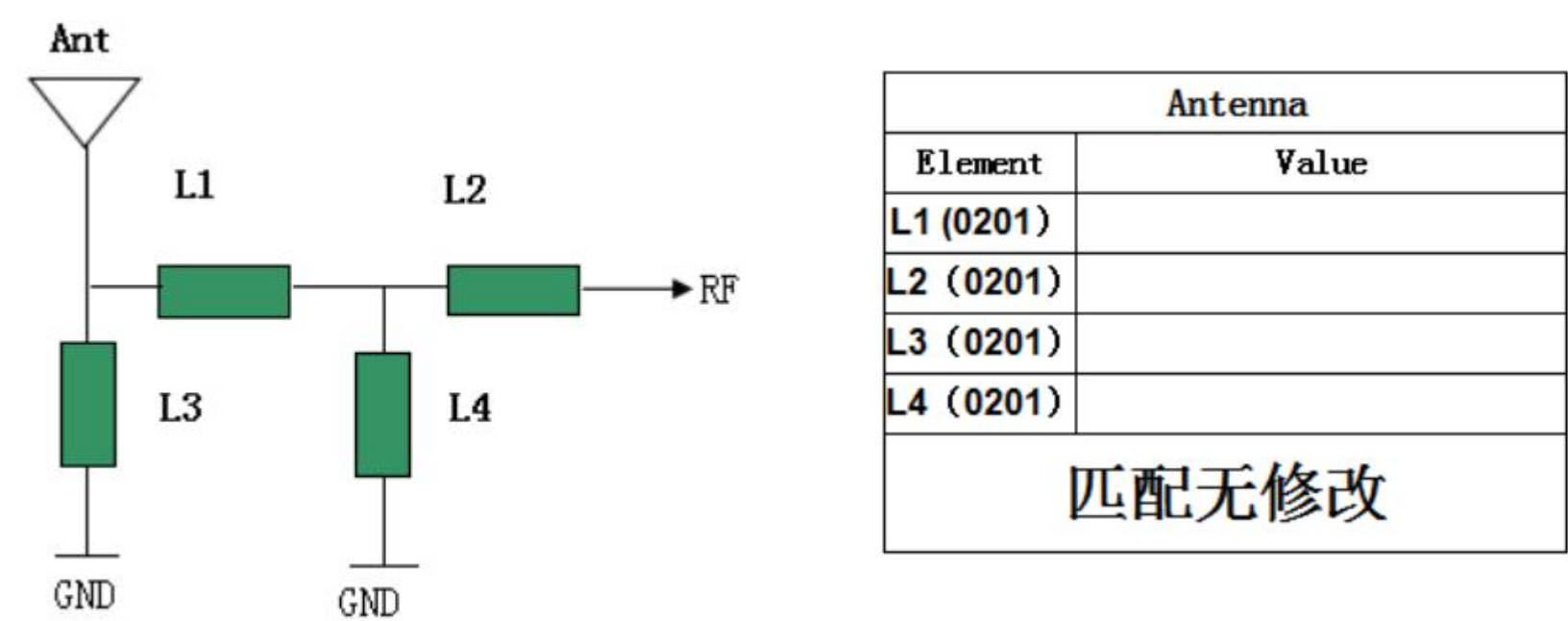


Antenna Top View [With Ruler]

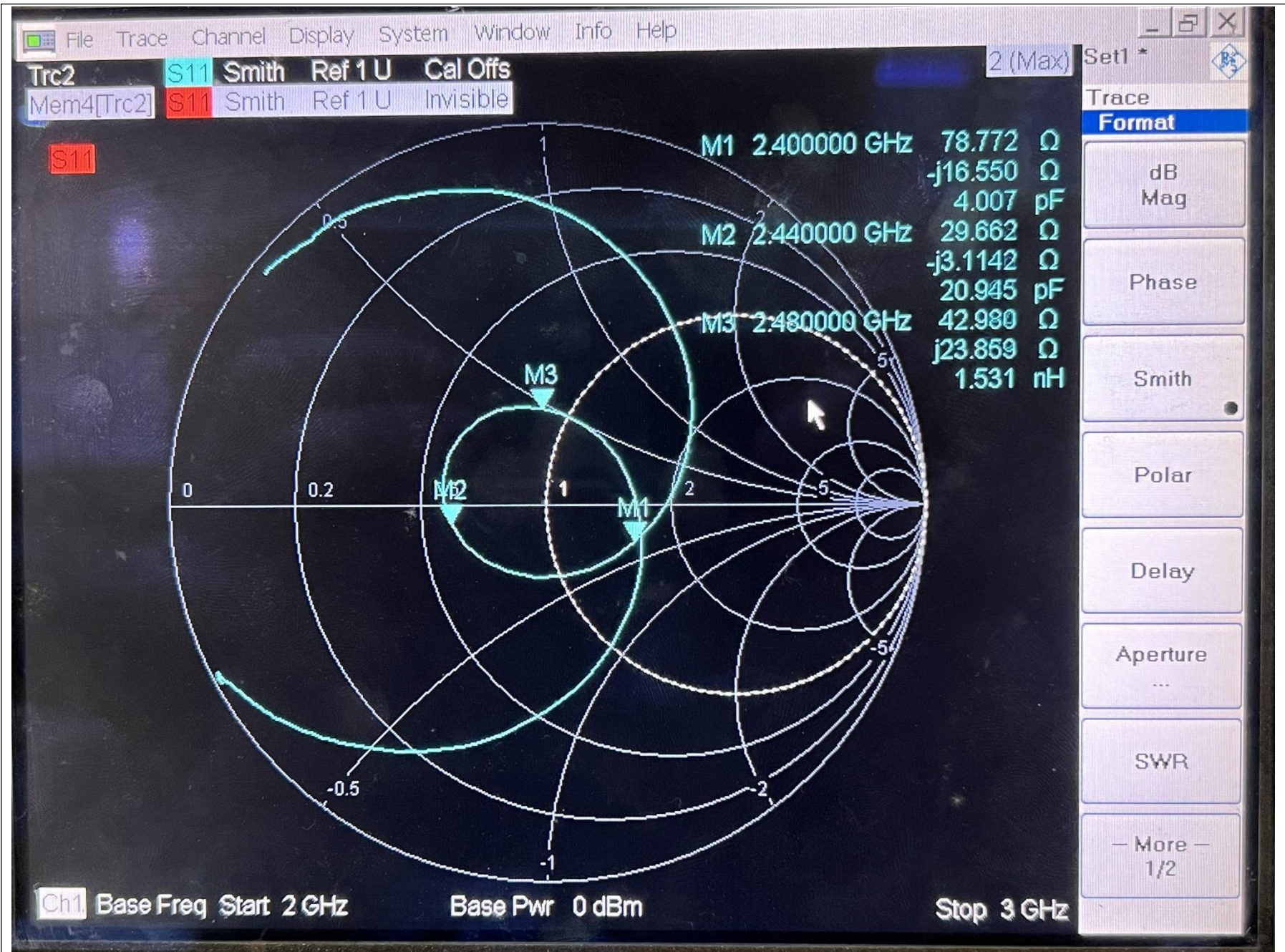


Antenna Performance (OTA)

Antenna Matching Recommendations:



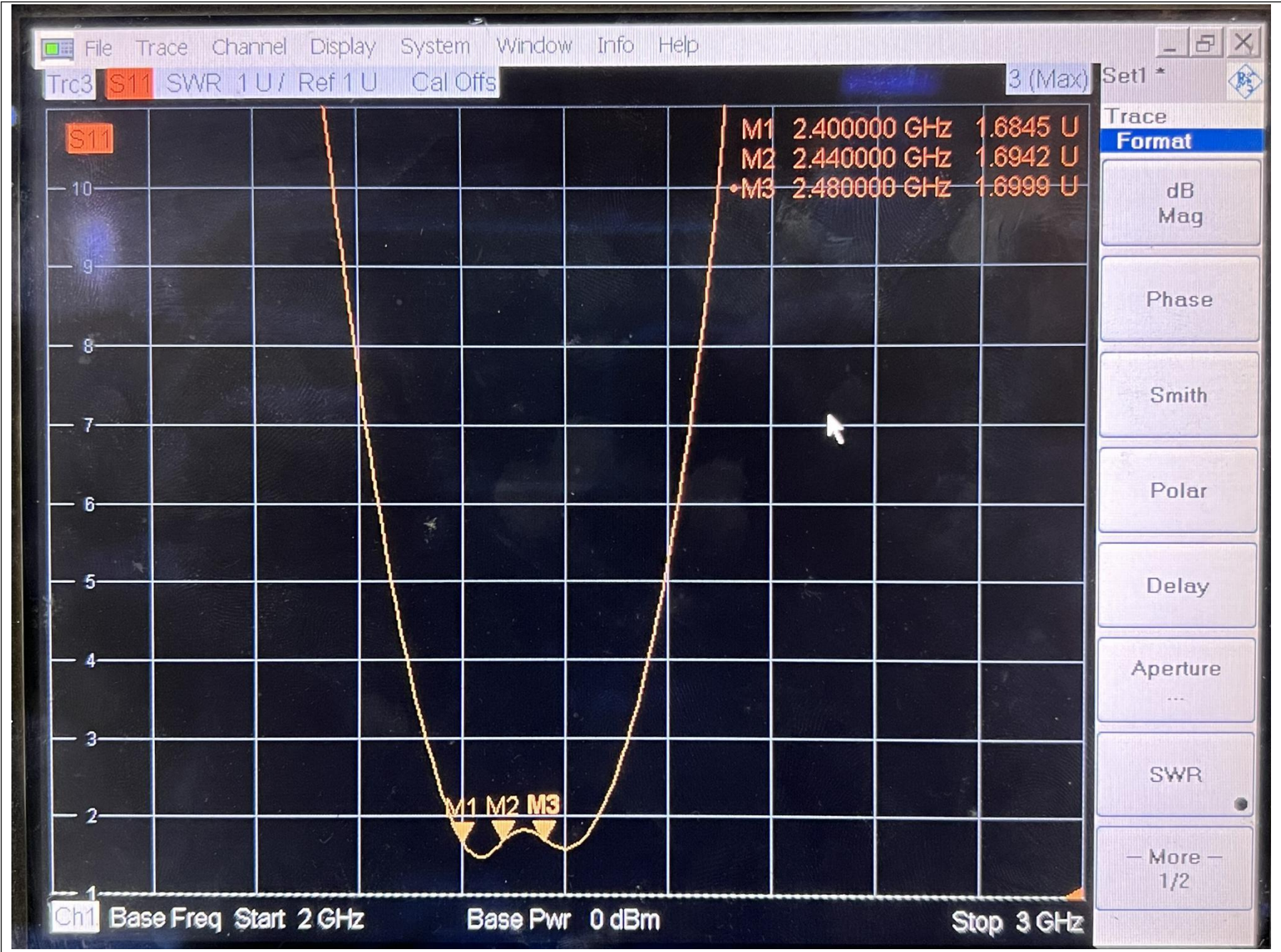
Smith Chart:



Return loss diagram:

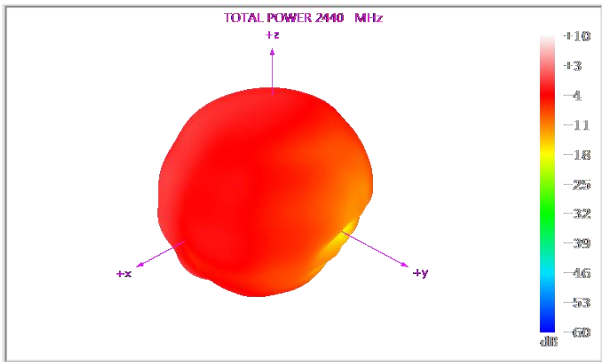


Standing wave diagram:

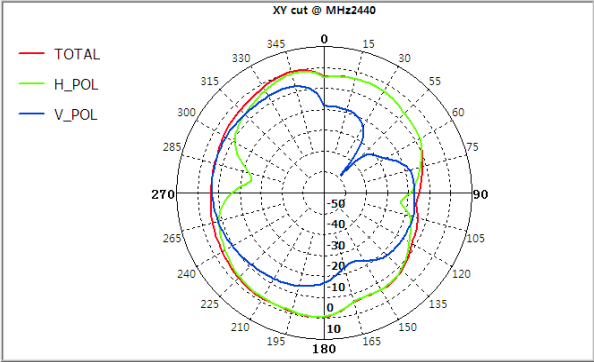


Typical free space gain

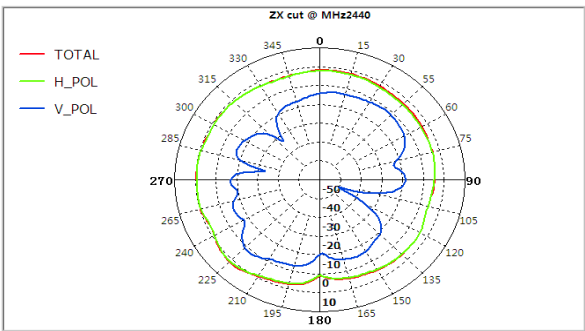
Frequency	2400MHZ	2410MHZ	2420MHZ	2430MHZ	2440MHZ	2450MHZ	2460MHZ
Gain(dBi)	3.71	3.75	3.62	3.55	3.51	3.72	3.85
Frequency	2470MHZ	2480MHZ	2490MHZ	2500MHZ			
Gain(dBi)	3.71	3.54	3.35	3.30			



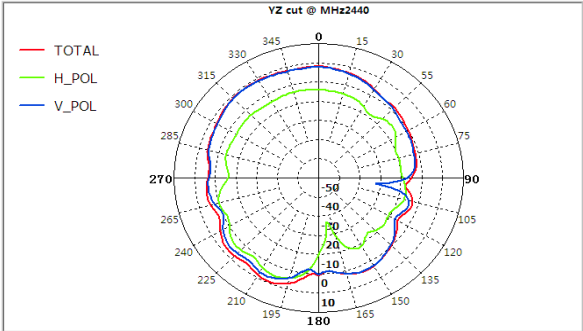
3D-plane@2.44GHz



2D-plane XOY @2.44GHz



2D-plane XOZ@2.44GHz



2D-plane YOZ @2.44GHz