

Dongle Antenna Specification

Dongle PCB Antenna

The Nano Dongle antenna adopts the ultra-small antenna, and because of the limited area of PCB, the gain of the antenna will be smaller than that of other antennas. The communication distance can reach about 15 ~ 20 meters. The size of Dongle PCB antenna is 8.8* 2.8mm and the thickness of PCB is 0.6mm. The specific size of the antenna is shown in figure 1, the physical object is shown in figure 2.

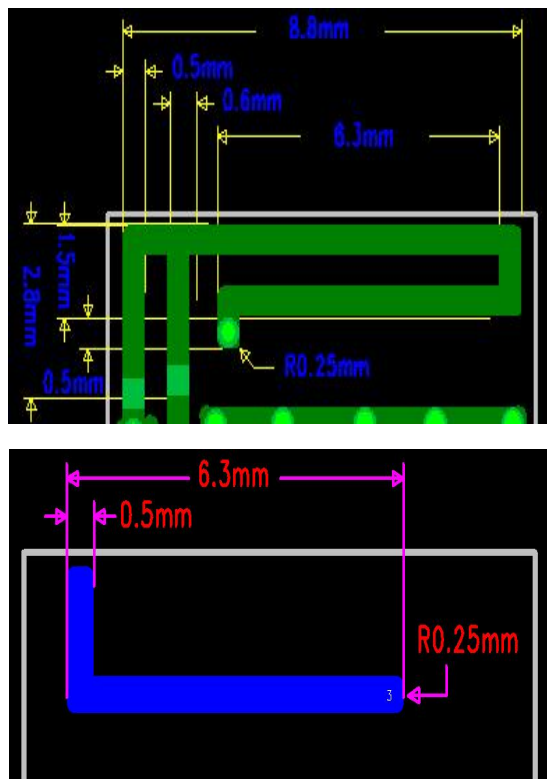


Figure 1 :Nano Dongle

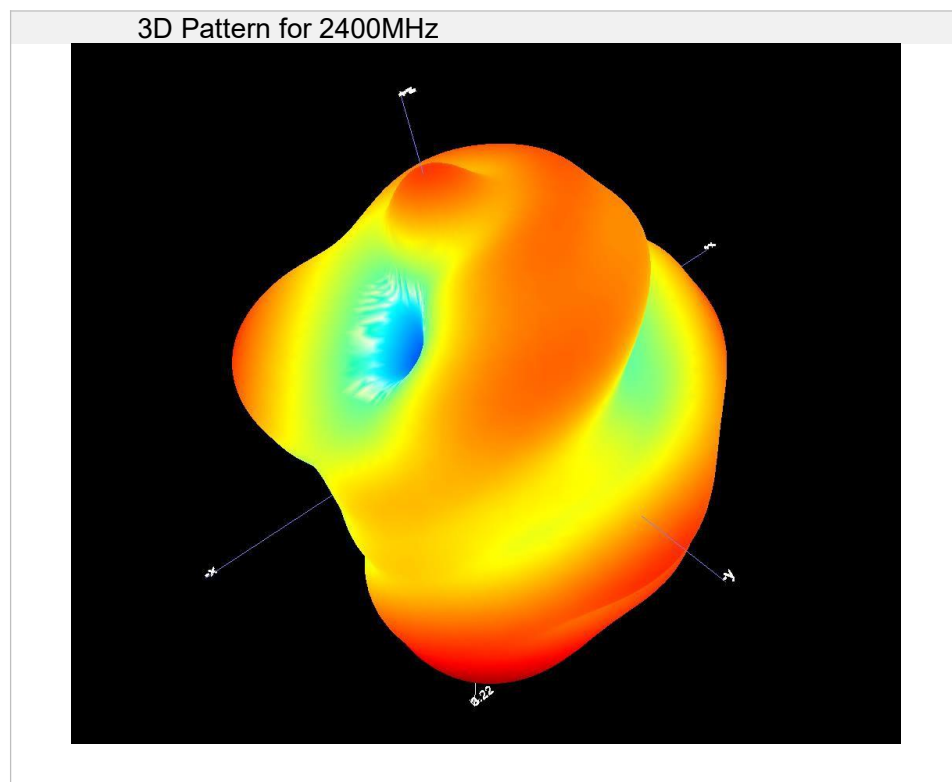


Figure 2: Nano Dongle Antenna

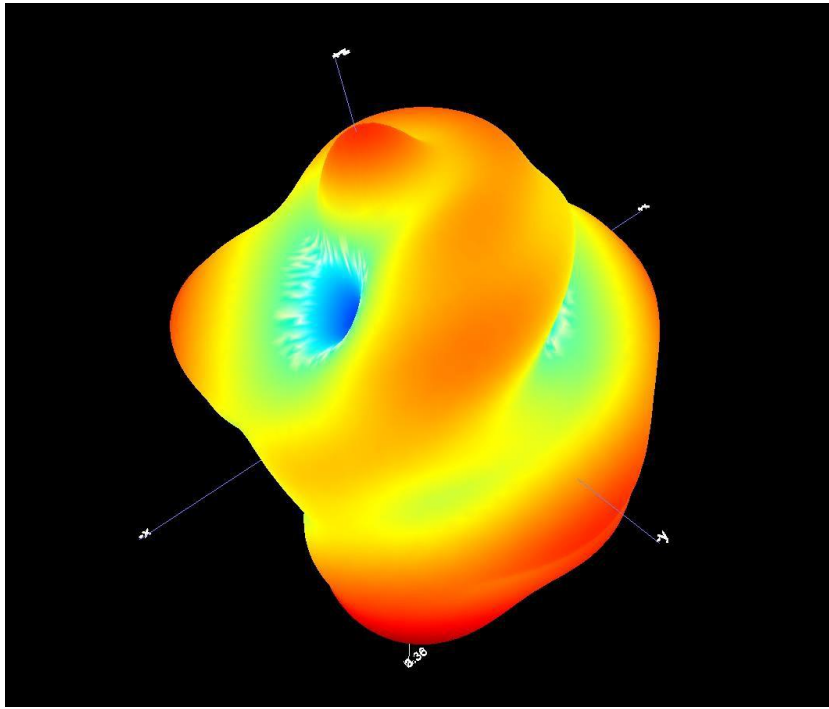
A.1 Gain and Efficiency

Frequency	Gain (dBi)	Efficiency (%)
2400MHz	3.22	57
2410MHz	3.14	58
2420MHz	3.08	57
2430MHz	3.27	56
2440MHz	3.29	56
2450MHz	3.36	56
2460MHz	3.10	54
2470MHz	2.87	53
2480MHz	2.96	54
2490MHz	2.89	53
2500MHz	2.45	52

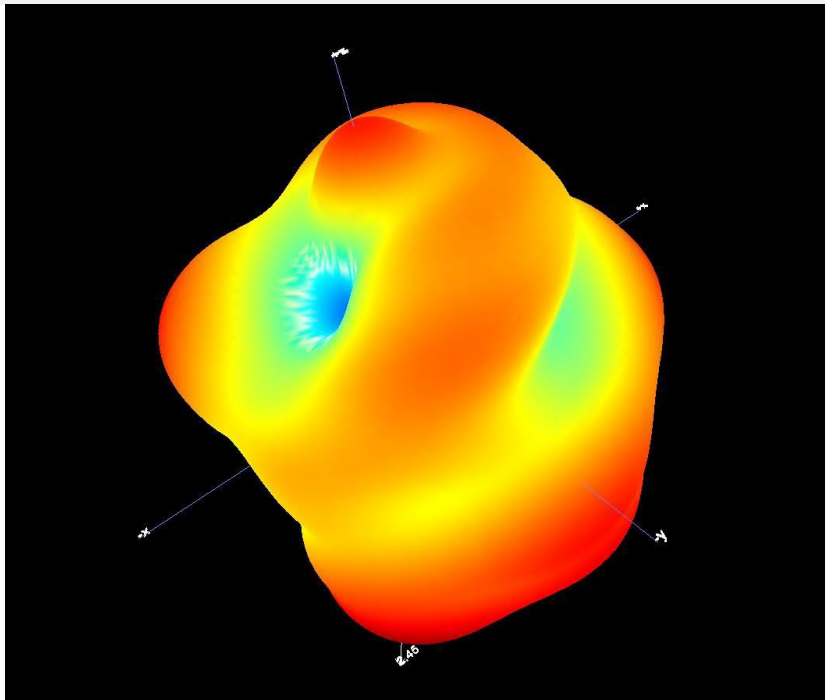
3D Pattern



3D Pattern for 2450MHz

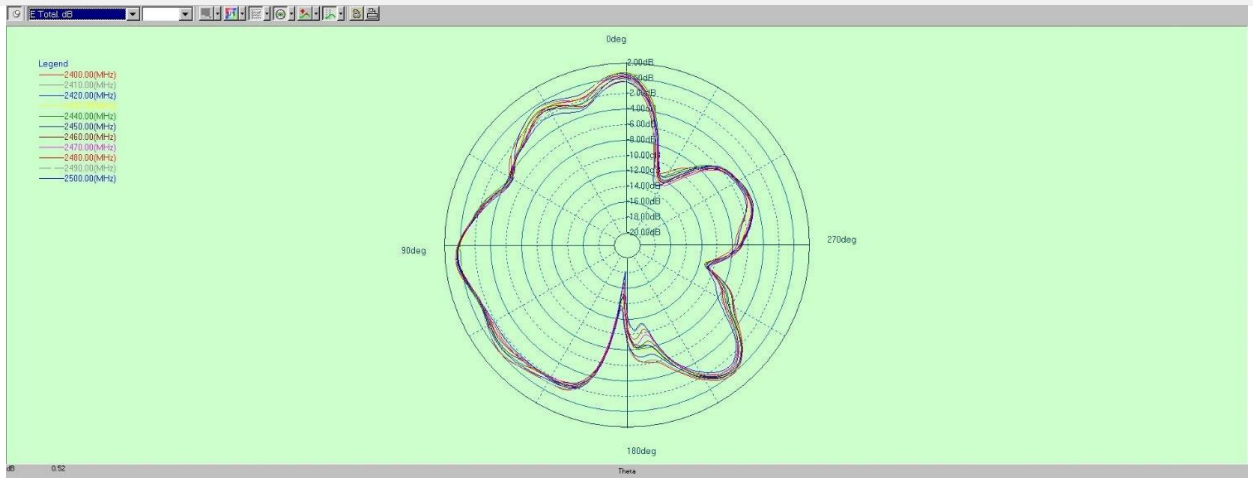


3D Pattern for 2500MHz

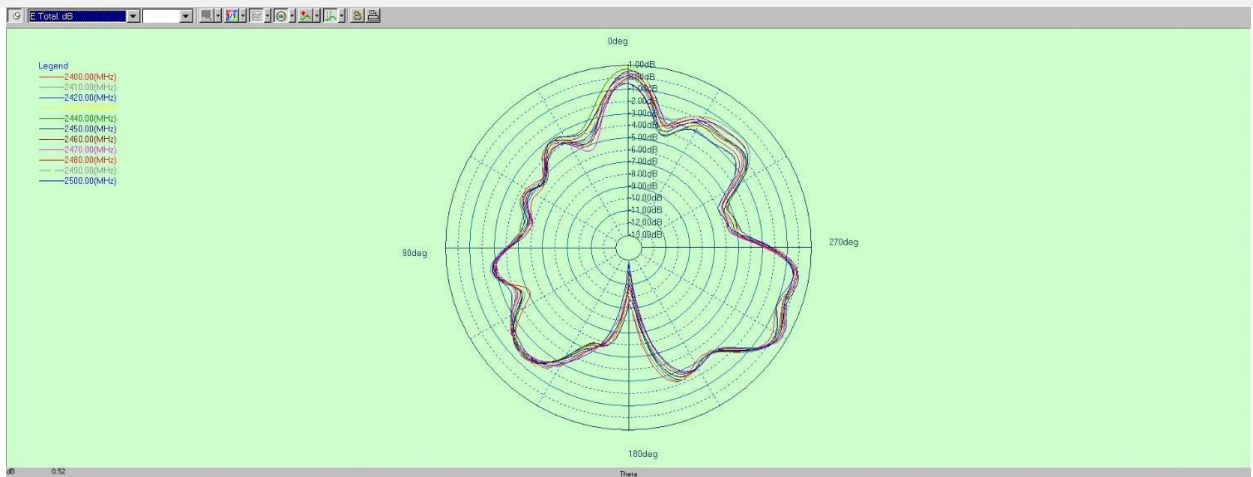


1D Radiation Pattern

PHI=0



PHI=90



THETA=90

