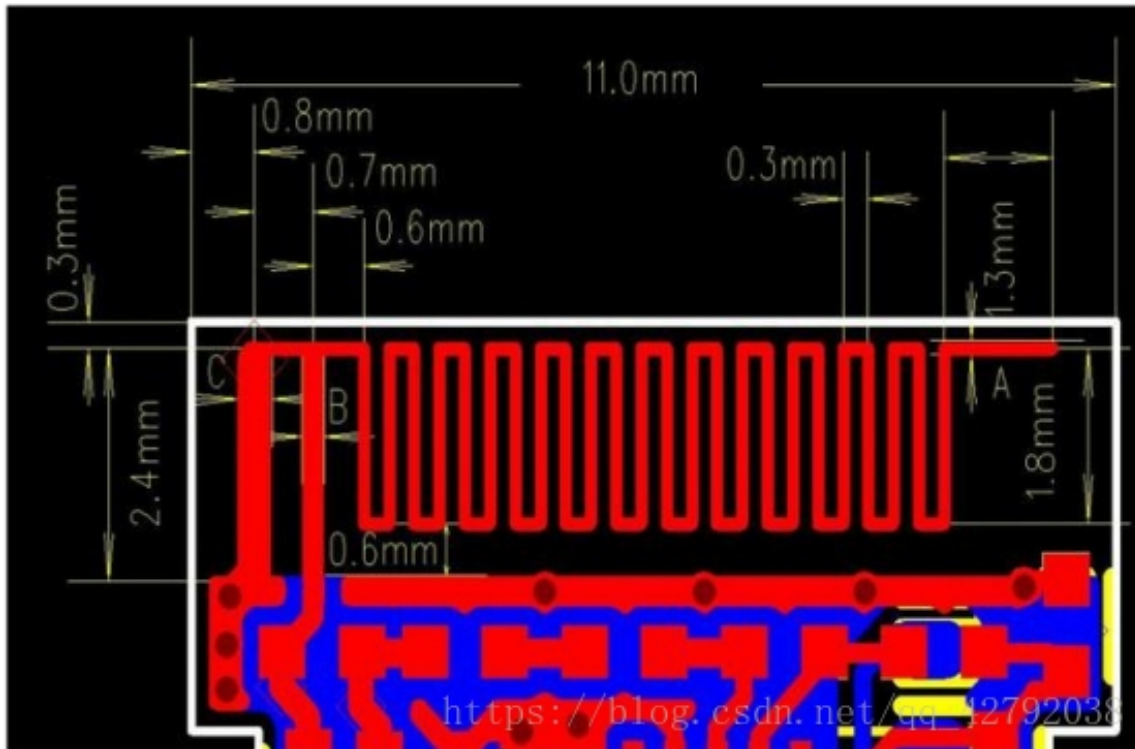


The small size Nano Dongle is designed with PCB antenna for frequency 2400-2500MHZ, and the max gain is -5dBi.

The specific size of the antenna is shown below (the plate is two layers of Fr4, the plate thickness is 1.0mm) :

The antenna line width A: 0.15mm; B: 0.25mm; C: 0.4mm

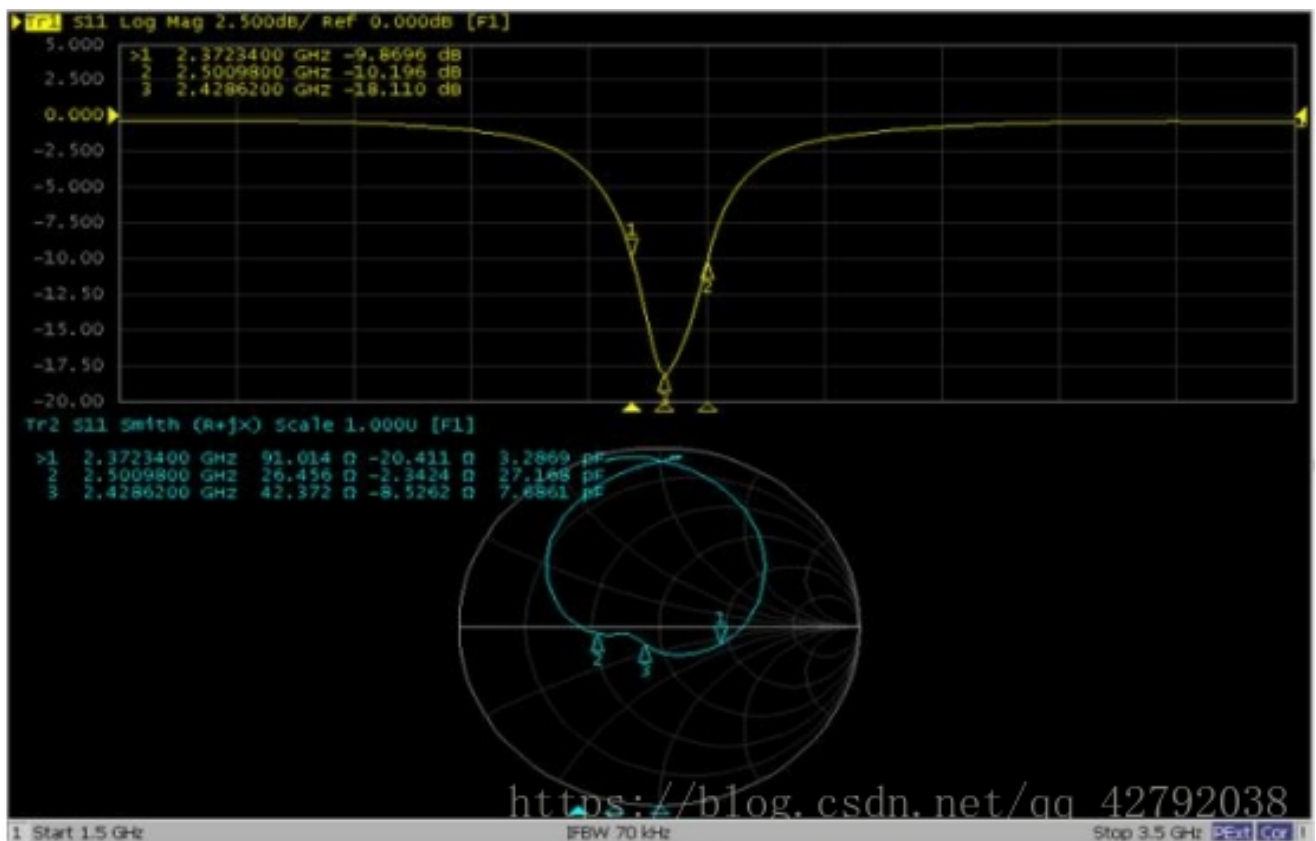


Manufacturer: GUANGZHOU RANTION TECHNOLOGY CO., LTD.

Address: Room 7002 and 7003, 7th Floor, Digital Entertainment Industrial Park, Greater Bay Area, No. 28 Huangpu Park West Road, Huangpu District, Guangzhou, China.

Model No.: DK-10S

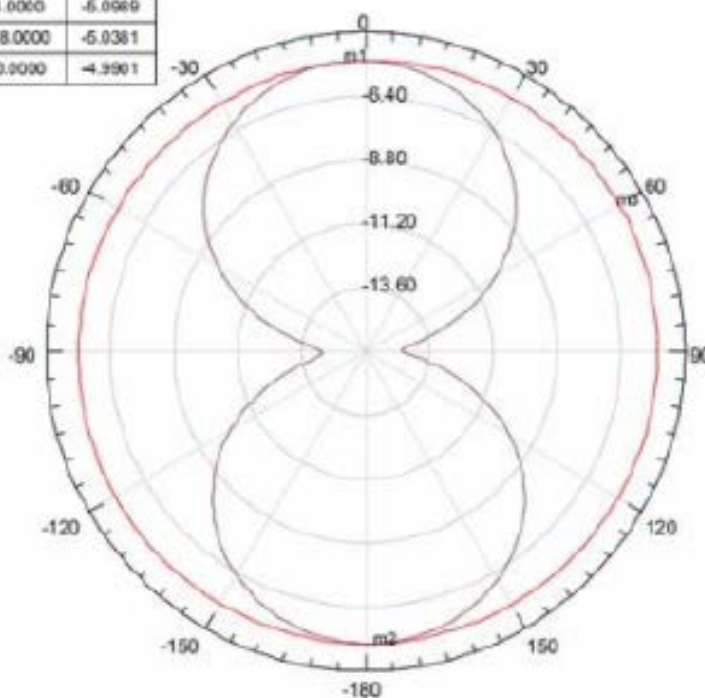
Antenna performance S11 is as follows, and the operating band covers the entire 2.4G ISM band:



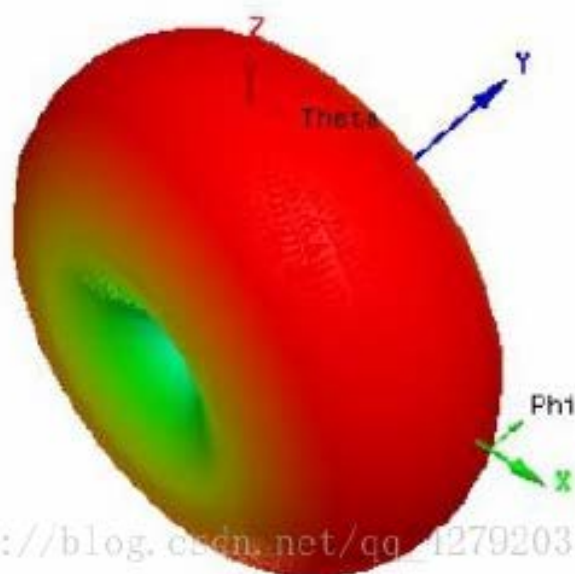
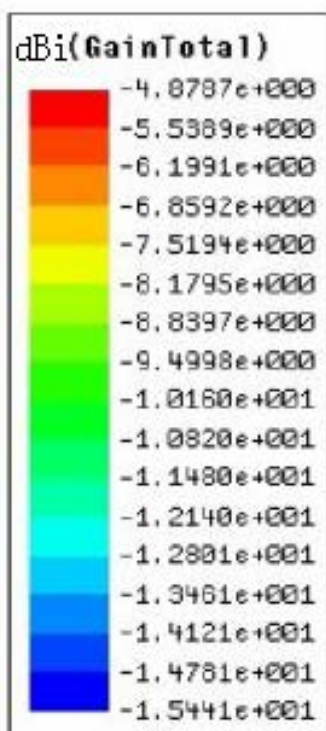
The 2D and 3D gains are as follows, and the maximum gain of the antenna is only about -5dBi:

2450MHZ

name	Theta	Ang	Mag
m1	-4.0000	-4.0000	-5.0989
m2	178.0000	178.0000	-5.0381
m3	60.0000	60.0000	-4.3901



Curve Info	
—	dBi(Gain Total)
Setup1 : Sweep1	
Phi=0deg	
—	dBi(Gain Total)
Setup1 : Sweep1	
Phi=90deg	



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