

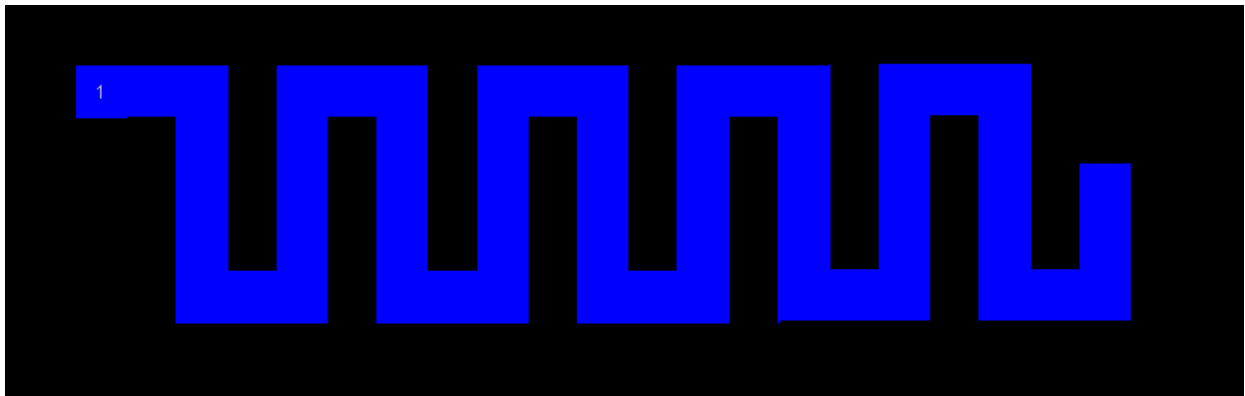
Product specification

Quick Reference Date

	Antenna module on the system board	
Frequenc Range	2400 ~ 2500GHz	
Ant. Port Input Pwr. (dBm)	0 (Typ. BT class 2 output power)	
Tot. Rad. Pwr. (dBm)	-1.2 (Input pwr – loss pwr)	
Peak EIRP(dBm)	0	
Directivity (dBi)	1 (all direction antenna)	
Efficiency (dB)	1.0%	
Gain (dBi)	0 (Avg Gain XY-plane)	
Maximum Power (dBm)	0 (XY-plane)	
Minimum Power (dBm)	0(XY-plane)	
Avg. Power (dBm)	0(XY-plane)	
Input Impendence(ohm)	50	
Polarization Type	V ertical & Horizontal	
V . S . W . R	< 6	

All the technical data and information contained herein are subject to change without prior notice

Antenna Layout & module on the system board



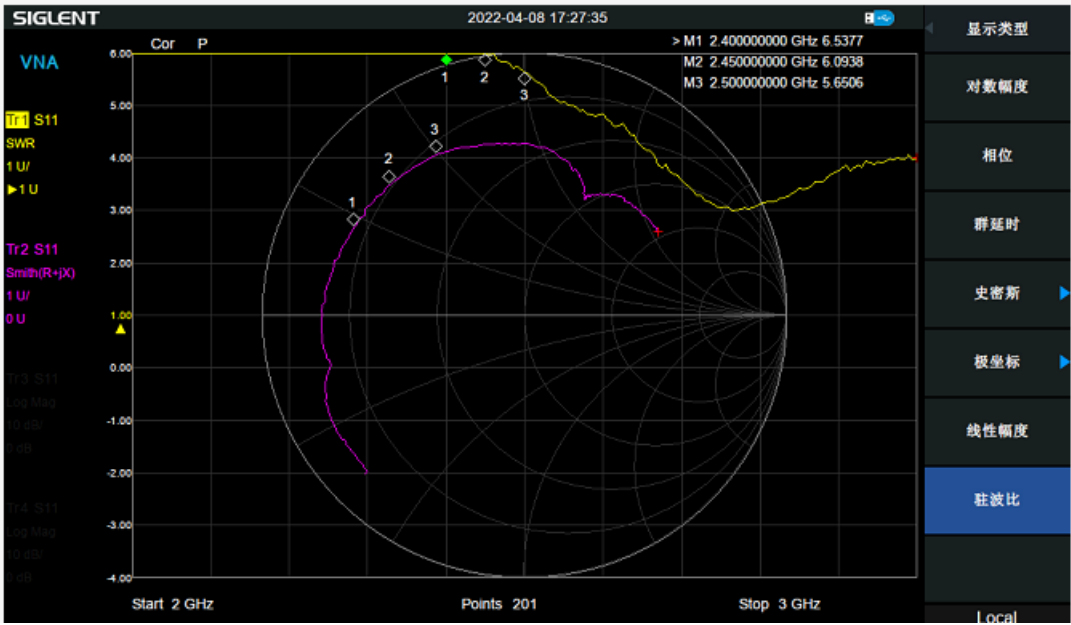
长：10.5mm 宽： 2.55mm

Antenna Gain

Gain Table

Unit in dBi @2.44GHz	XY-plane		XZ-plane		YZ-plane		Efficiency
	Peak	Avg.	Peak	Avg.	Peak	Avg.	
Module Board	0	0	0	0	0	0	0

Return Loss



Far-field Power Distribution(H+V) on X-Y Plane
 Plot Peak Gain(H+V)= 1.35 dB; Plot AvgGain(H+V)= -0.48dB @2.4400 GHz

Far-field Power Distribution(H+V) on X-Z Plane
 Plot Peak Gain(H+V)= 1.68 dBi, Plot AvgGain(H+V)= -3.83dBi @2.40000 GHz

0 15 30 45 60 75 90 105 120 135 150 165 180 195 210 225 240 255 270 285 300 315 330 345

0 -10 -20 -30 -40 dBi

Far-field Power Distribution(H+V) on Y-Z Plane
Plot Peak Gain(H+V)= 1.11 dBi, Plot AvgGain(H+V)= -2.99dBi @2.44000 GHz

This polar plot shows the radiation pattern of the antenna in the Y-Z plane. The radial scale represents power density in dB, ranging from -40 to 0. The angular scale represents the azimuth angle in degrees, ranging from 0 to 345. The plot shows a main lobe centered around 0 degrees with a peak gain of 1.11 dBi. There are also side lobes, with the largest one around 90 degrees reaching approximately -10 dB. The average gain is -2.99 dBi.

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