

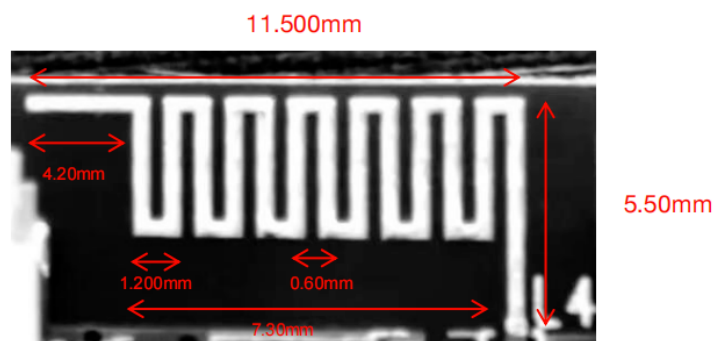
Product specification

Quick Reference Date

	Antenna module on the system board	
Model Name	C19 2.4G ANT	
Frequenc Range	2402 ~ 2480MHz	
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)	0.8	
Directivity (dBi)	1 (all direction antenna)	
Efficiency (dB)	6 0.2 %	
Gain (dBi)	1.7(Avg Gain XY-plane)	
Maximum Power (dBm)	1.7 (XY-plane)	
Minimum Power (dBm)	-4(XY-plane)	
Avg. Power (dBm)	-0.5(XY-plane)	
Issued by: SHENZHEN FEIMIN TECHNOLOGY CO.,LTD		
Input Impedence(ohm)	50	
Polarization Type	V ertical & Horizontal	
V . S . W . R	< 1.4	

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

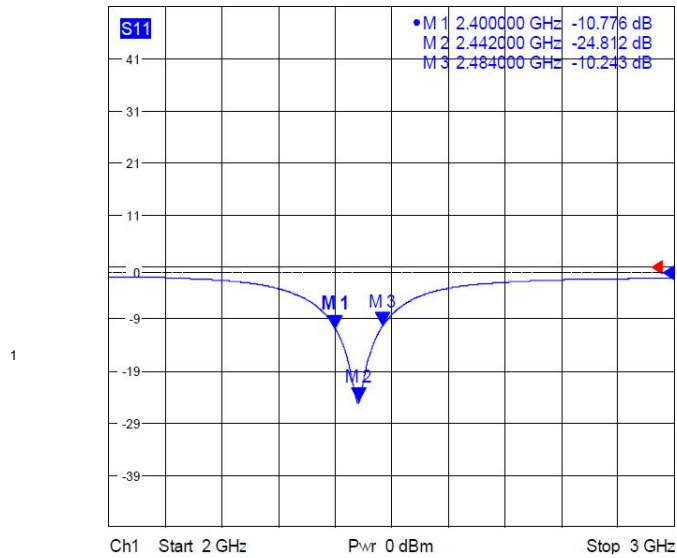
Antenna Layout & module on the system board



Manufacture's Name : Dongguan KWD Electronic Co.,Ltd
Address : 3rd Floor,Building 1,No.15,3rd street of Tanglian
Lian Hu community, Tangxia Town Dongguan city,
Guangdong Province

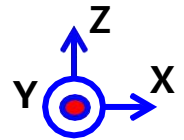
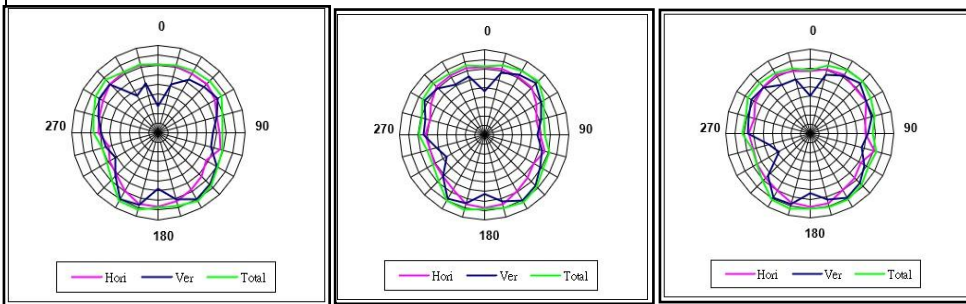
Return Loss & Radiation

Return Loss

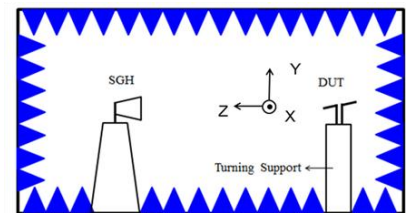


Frequency(MHz)	S11 (dB)
2400	-10.77
2450	-24.81
2484	-10.243

Radiation



	2400MHz	2450MHz	2500MHz
Efficiency	70.56%	75.25%	71.01%



Frequency (MHz)	Gain(dB)		
	Max	Min	Avg
2400	1.653691	-10.0815	-8.48713
2450	0.845801	-18.5605	-7.88012
2500	0.685586	-14.0318	-6.79139

Frequency (MHz)	Gain(dB)		
	Max	Min	Avg
2400	1.73178	-9.0025	-7.58761
2450	0.93681	-13.5841	-6.78563
2500	0.86694	-13.6952	-6.77845

Frequency (MHz)	Gain(dB)		
	Max	Min	Avg
2400	1.65254	-8.7845	-6.74564
2450	0.94561	-12.4785	-7.78487
2500	0.84567	-12.4786	-7.96342