

Antenna specification

Quick Reference Date

Item	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)	0.31 dBm	
Directivity (dBi)	2.4(all direction antenna)	
Efficiency (dB)	30.251%	
Gain (dBi)	0.31 (Avg Gain XY-plane)	
Maximum Power (dBm)	-0.31 dBm	
Minimum Power)	-0.81 dBm (XY-plane)	
Avg. Power (dBm)	-0.18dBm (XY-plane)	
Input Impendence(ohm)	50 ohms	
Polarization Type	Vertical & Horizontal	
V. S.W. R	< 1.4	

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

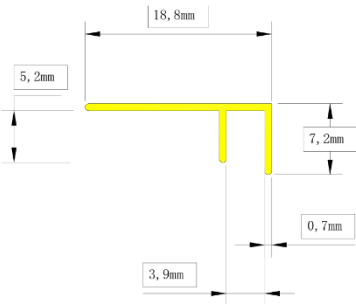
Antenna Layout

& module on the system board



Antenna size diagram

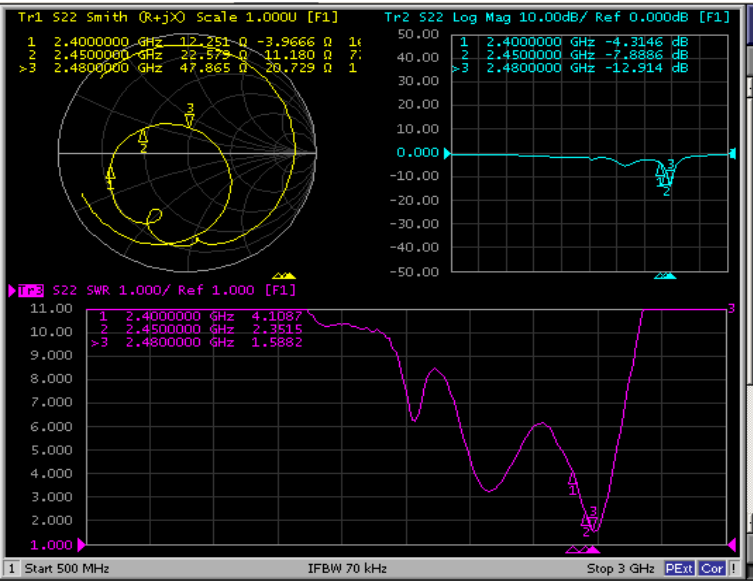
Size : L 18.8mm
W 7.2mm
H 0.02mm



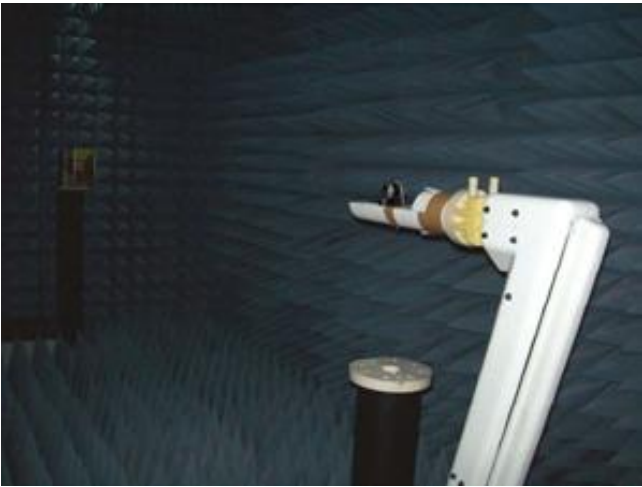
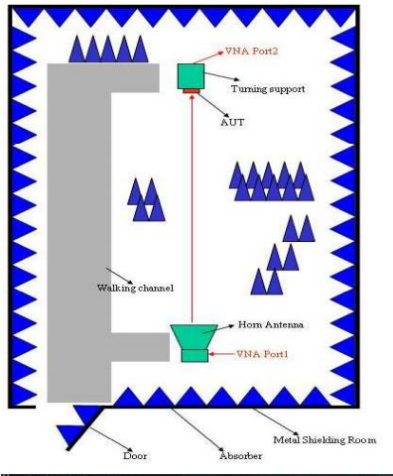
Antenna Gain

FRequency	Efficiency	Gain
2400	28.44%	-0.81
2410	29.37%	-0.6
2420	30.68%	-0.49
2430	31.19%	-0.24
2440	31.15%	-0.17
2450	31.56%	-0.09
2460	31.21%	0.19
2470	30.18%	0.31
2480	28.48%	0.30

Return Loss

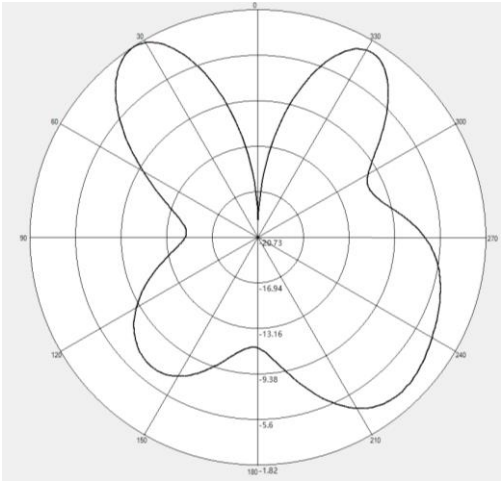


The Environment of Antenna Radiation Pattern

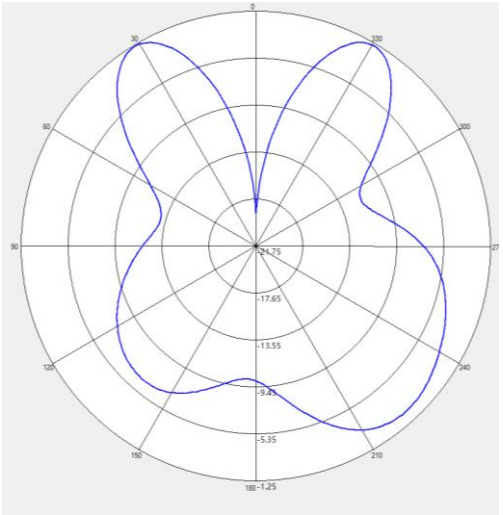


3D radiation pattern diagram

2402 MHz



2440 MHz



2480 MHz

