

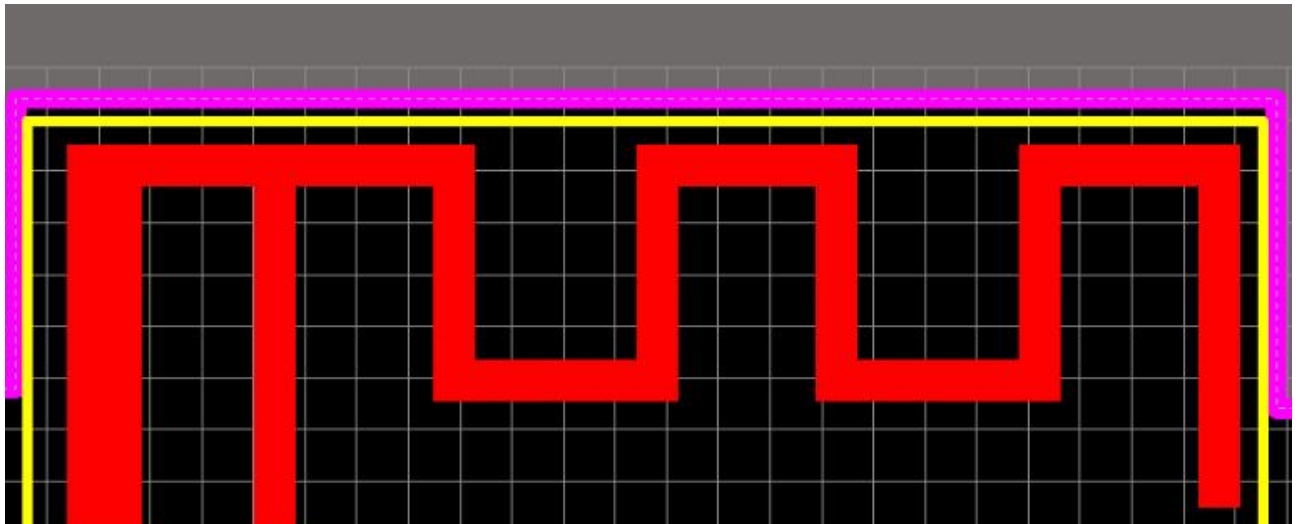
Product specification

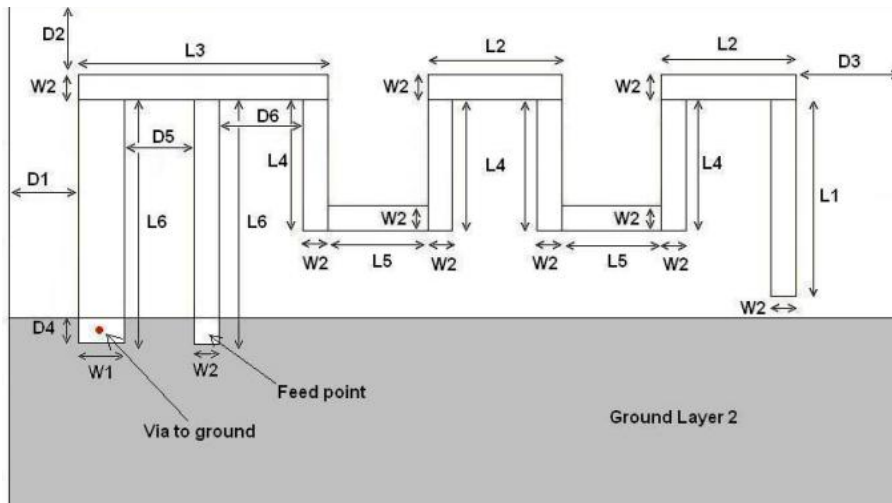
Quick Reference Date

	Antenna module on the system board	
Frequenc Range	2400~ 2500MHz	
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)	1.2	
Directivity(dBi)	1(all direction antenna)	
Efficiency(dB)	60.2%	
Gain(dBi)	1.2(Avg Gain XY-plane)	
Maximum Power(dBm)	1.7(XY-plane)	
Minimum Power(dBm)	-4(XY-plane)	
Avg. Power(dBm)	-0.5(XY-plane)	
Input Impendence(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





L1	3.94 mm
L2	2.70 mm
L3	5.00 mm
L4	2.64 mm
L5	2.00 mm
L6	4.90 mm
W1	0.90 mm
W2	0.50 mm
D1	0.50 mm
D2	0.30 mm
D3	0.30 mm
D4	0.50 mm
D5	1.40mm
D6	1.70 mm

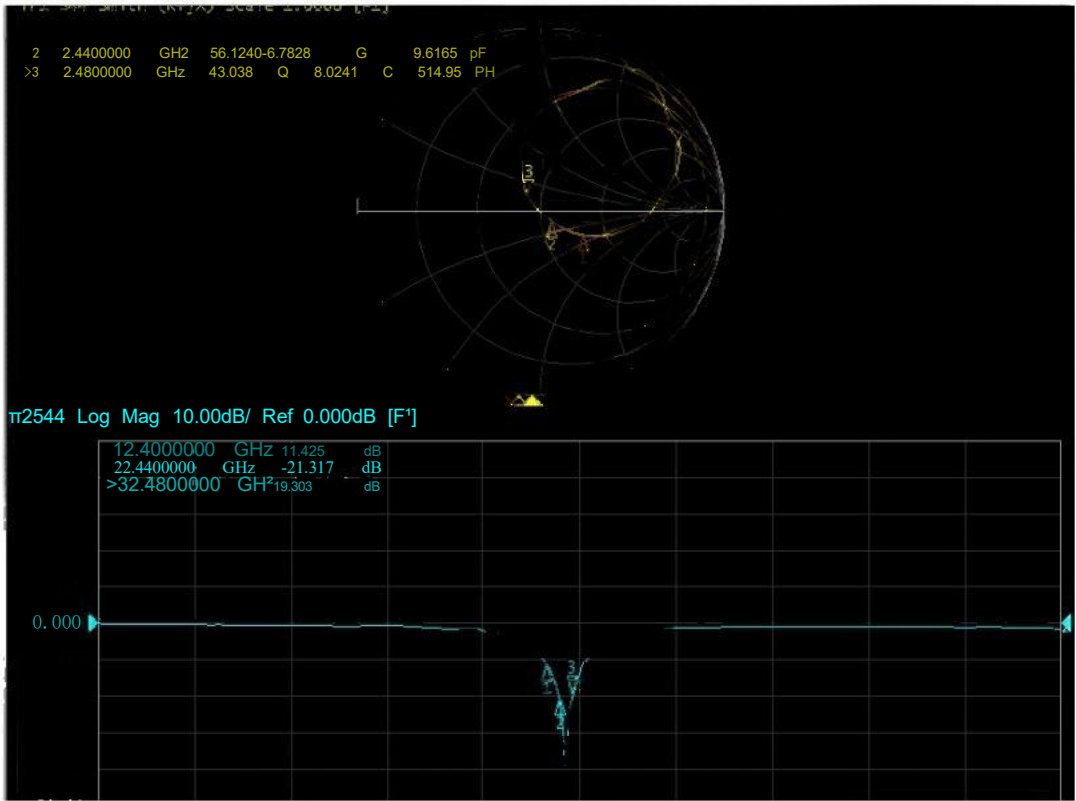
Table:Antennna Dimensions

Antenna Gain

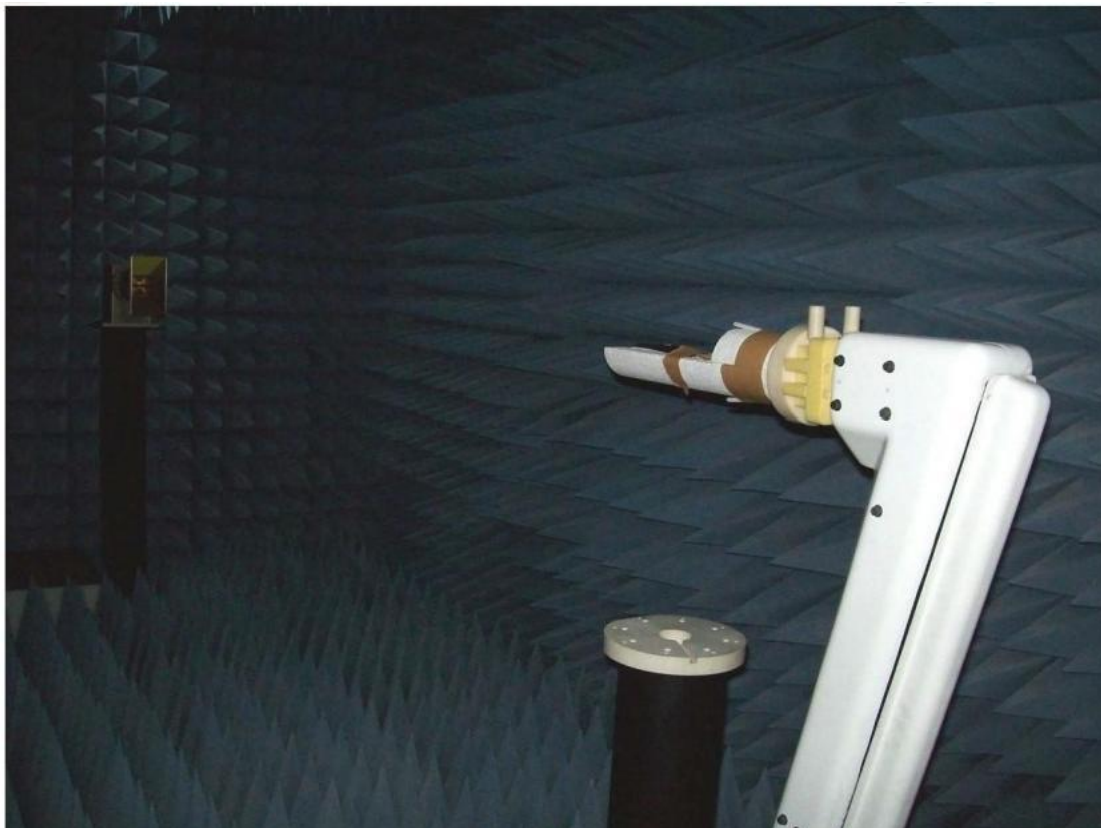
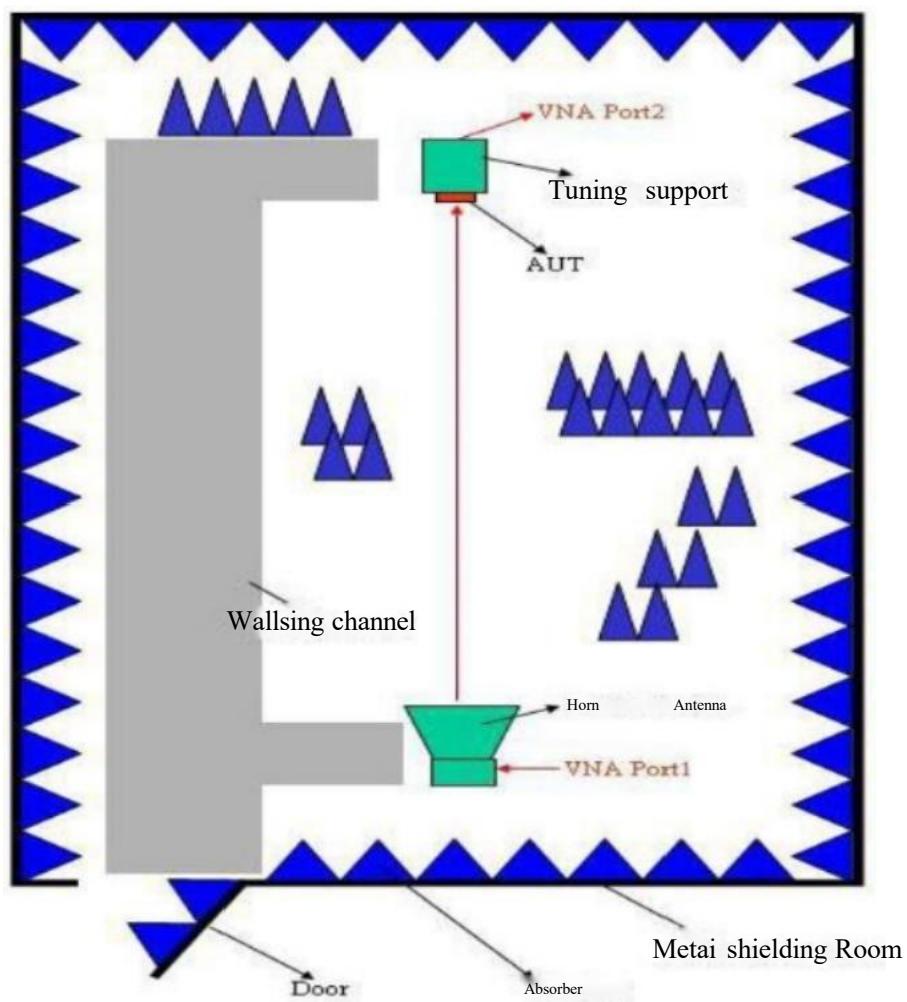
Gain Table

Unit in dBi @2.44GHz	XY-plane		XZ-plane		YZ-plane		Efficiency
	Peak	Avg.	Peak	Avg.	Peak	Avg.	
Module Board	1.2	-0.5	1.9	-3.6	1.1	-3.0	60.2 %

Return Loss

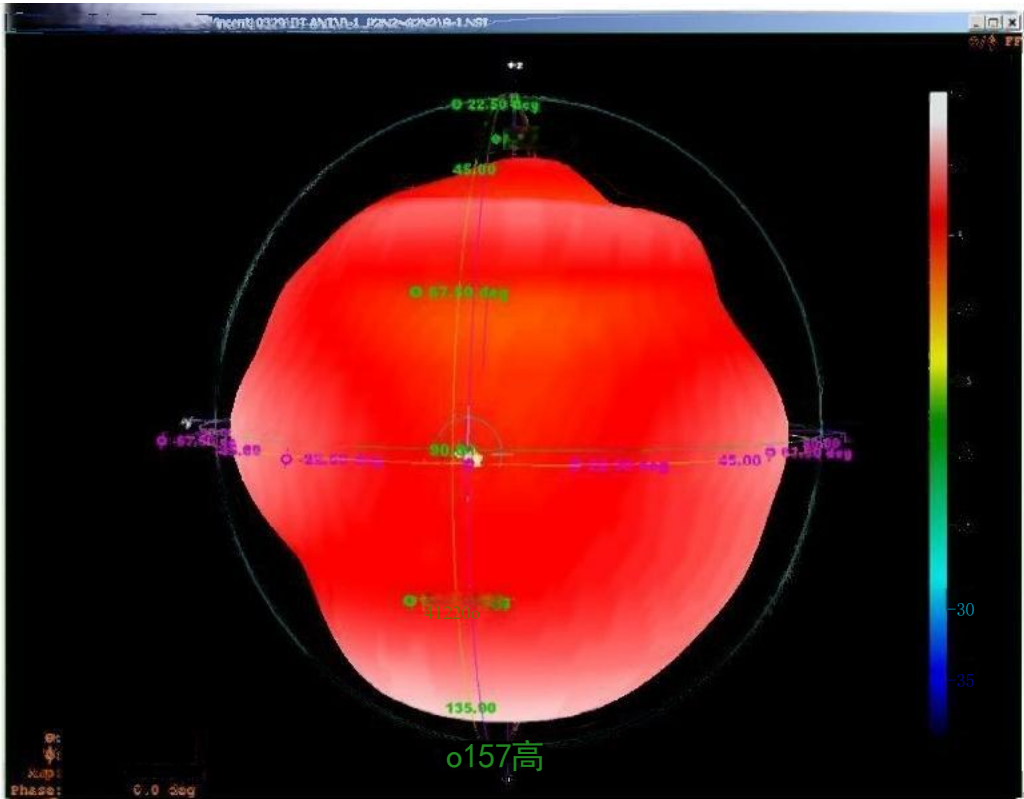


The Environment of Antenna Radiation Pattern



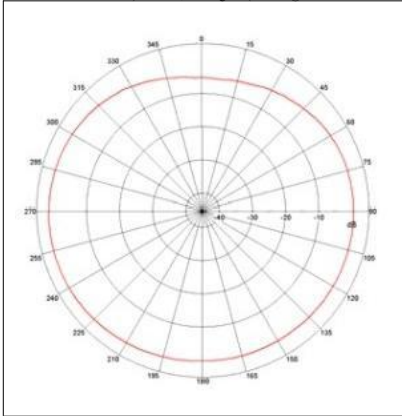
3D radiation pattern diagram

BeC=radattenpatttem2013V



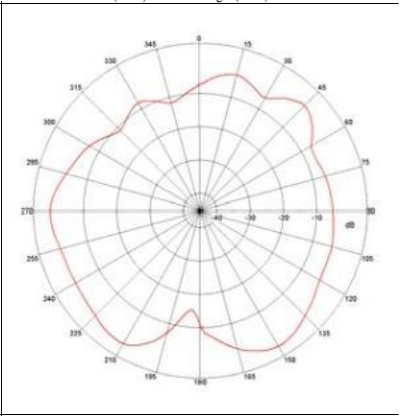
XY-plane

Far-field Power Distribution(H+V) on X-Y Plane
PxPeakGain(H+V)-135dB;Pkt Angmm(H+V)-4.024500GHz



XZ-plane

Far-field Power Distribution(H+V)on X-Z Plane
Ptx Pak Gain(H+V)-168dB;Pkt Avgan(H+V)-3838248000GHz



YZ-plane

Far-field Power Distribution(H+V)on Y-Z Plane
Ptx Pak Gain(H+V)-168dB;Pkt Avgan(H+V)-3838248000GHz

