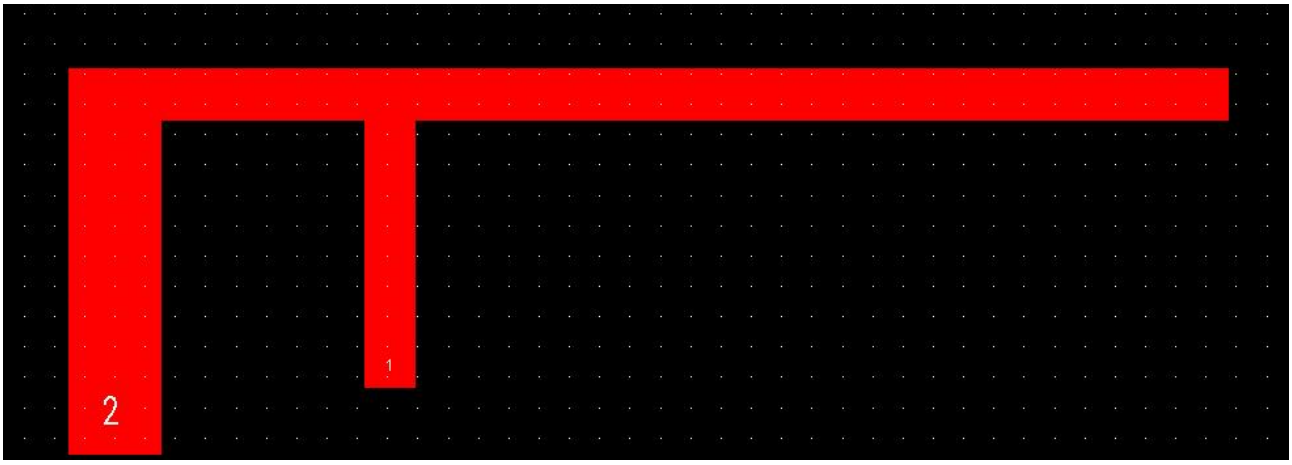
Product specification

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)	1.9(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

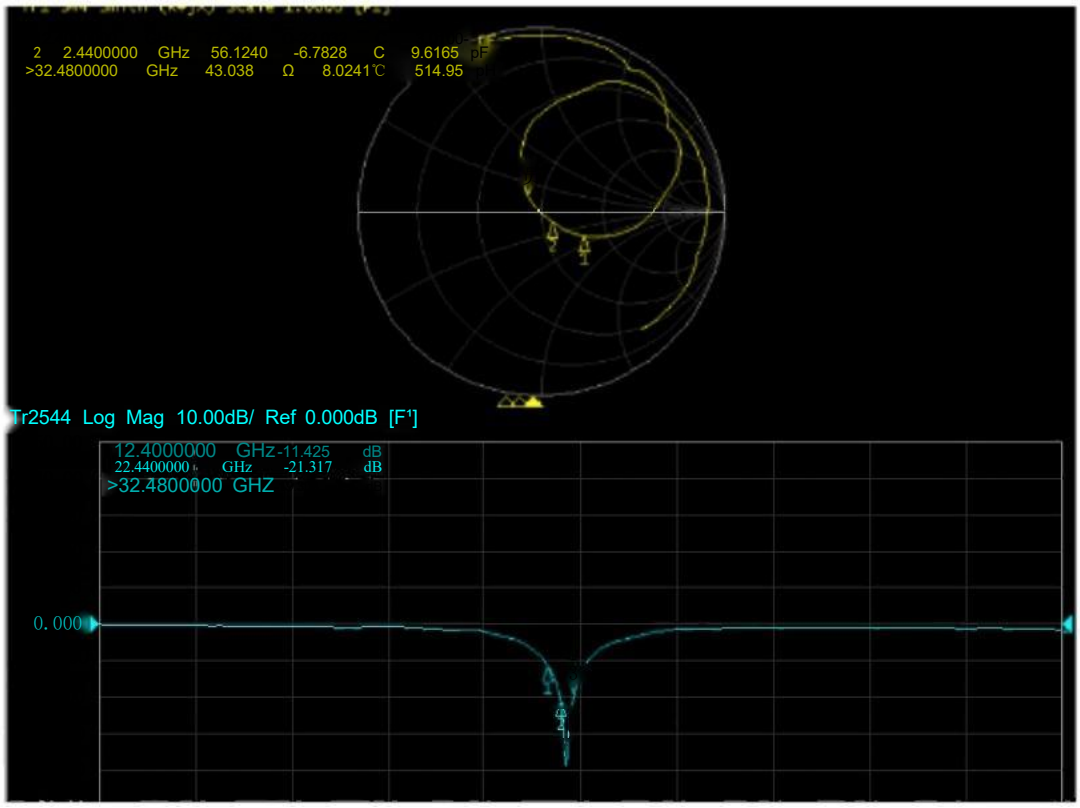


Antenna Gain

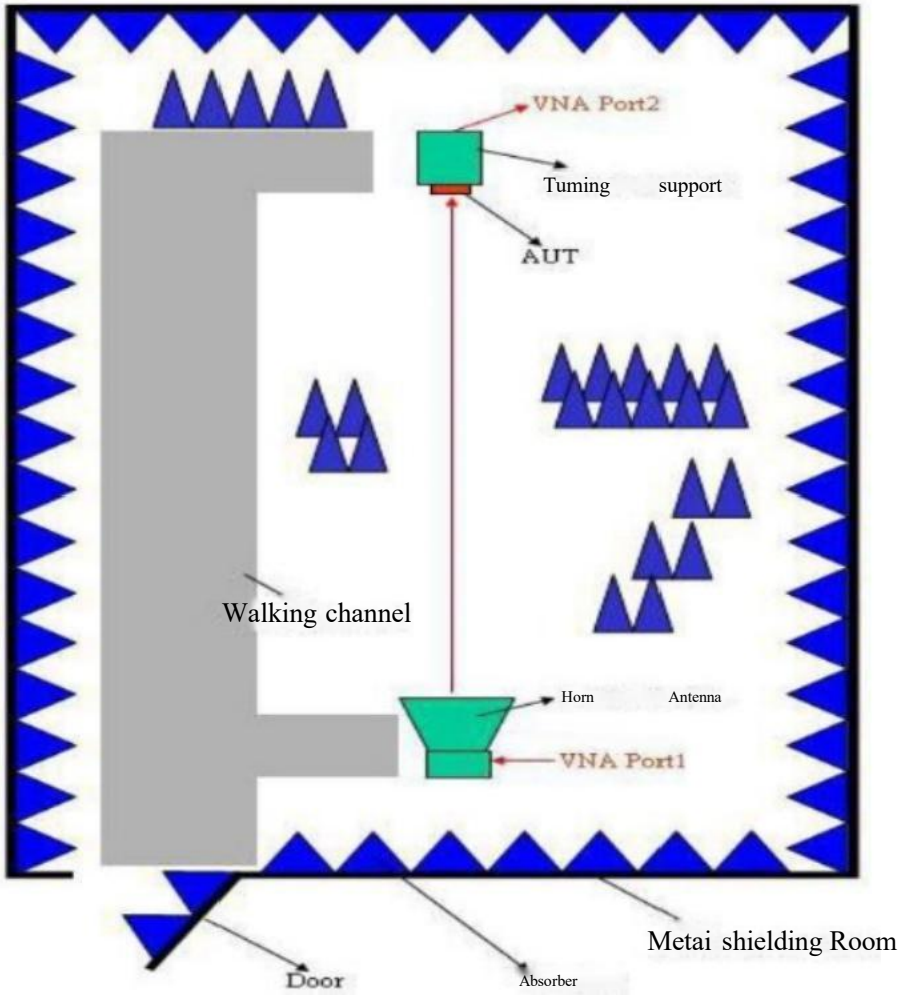
Gain Table

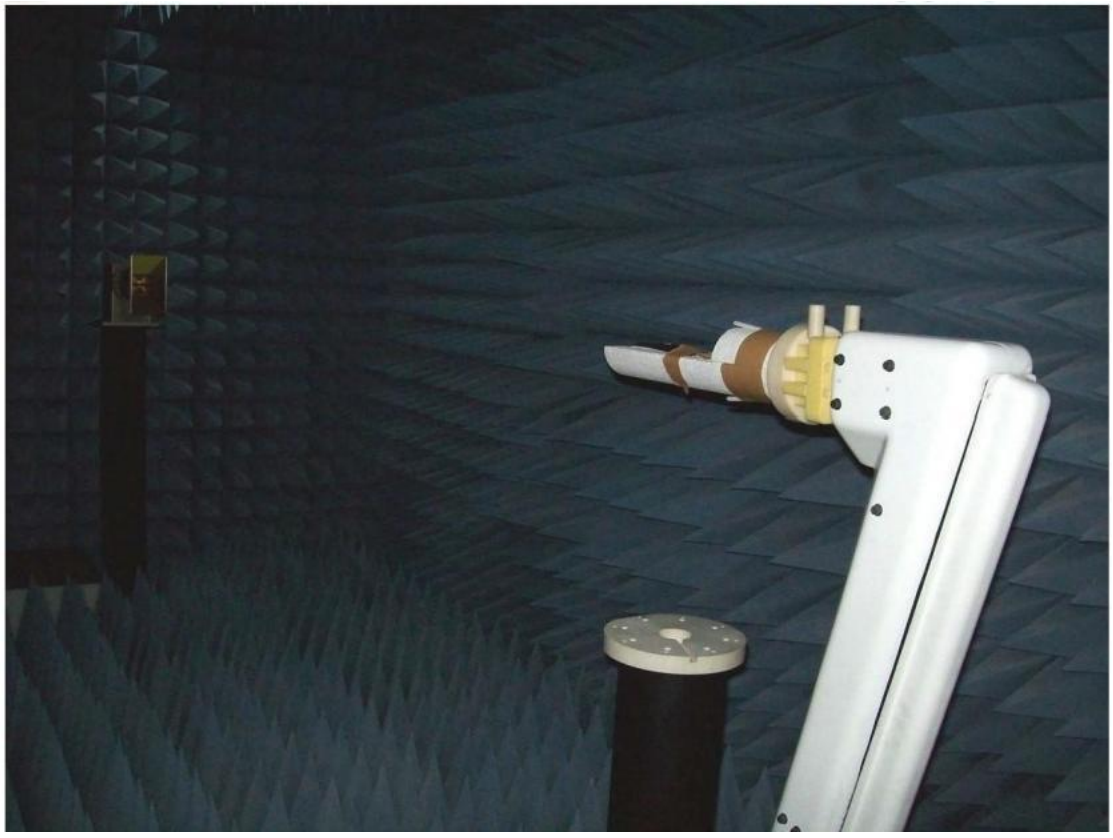
Unit in dBi @2.44GHz	XY-plane		XZ-plane		YZ-plane		Efficiency
	Peak	Avg.	Peak	Avg.	Peak	Avg.	
Module Board	1.2	-0.5	1.9	-3.6	1.1	-3.0	60.2 %

Retum Loss

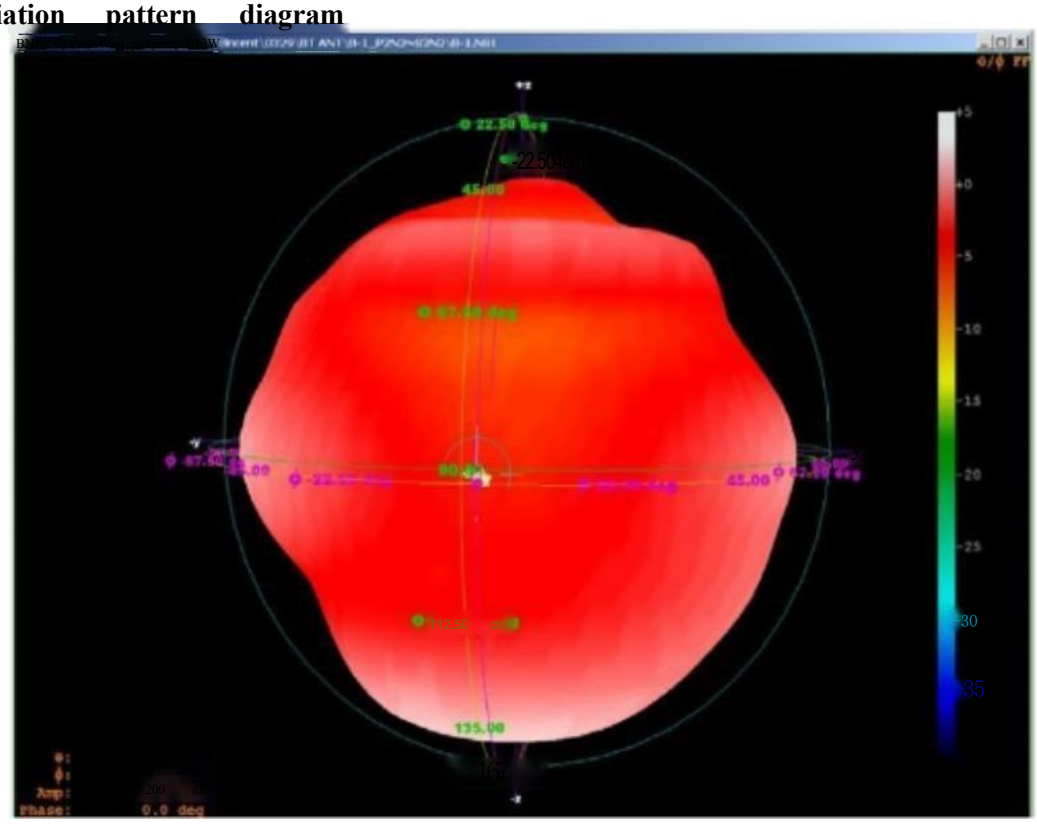

2 2.4400000 GHz 56.1240 -6.7828 C 9.6165 pF
>32.4800000 GHz 43.038 Ω 8.0241℃ 514.95
Tr2544 Log Mag 10.00dB/ Ref 0.000dB [F¹]
12.4000000 GHz -11.425 dB
22.4400000 GHz -21.317 dB
>32.4800000 GHZ
0.000

The Environment of Antenna Radiation Pattem



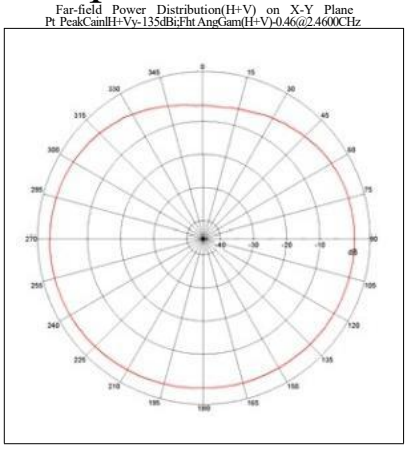


3D radiation pattern diagram



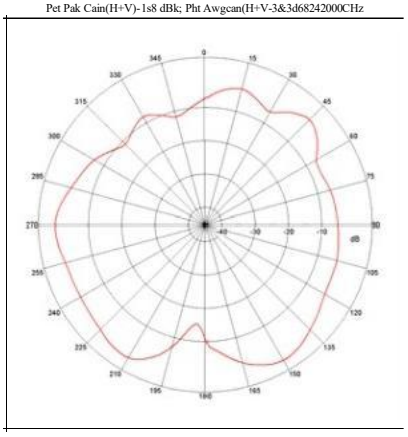
XY-plane

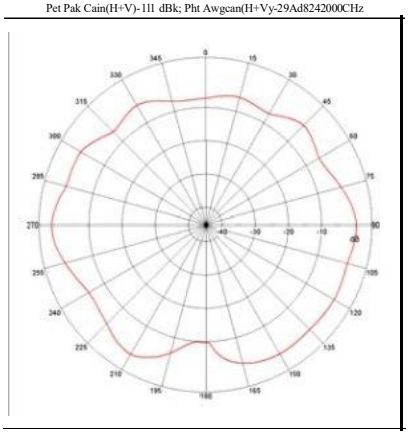
Far-field Power Distribution(H+V) on X-Y Plane
Pt PeakCainIH+Vy-135dBi;Fht AngGam(H+V)-0.46@2.4600CHz



XZ-plane

Far-field Power Distribution(H+V)on X-Z Plane
Pet Pak Cain(H+V)-1s8 dBk; Pht Awgcan(H+V-3&3d68242000CHz



YZ-plane

Far-field Power Distribution(H+V)on Y-Z Plane
Pet Pak Cain(H+V)-111 dBk; Pht Awgcan(H+Vy-29Ad8242000CHz