

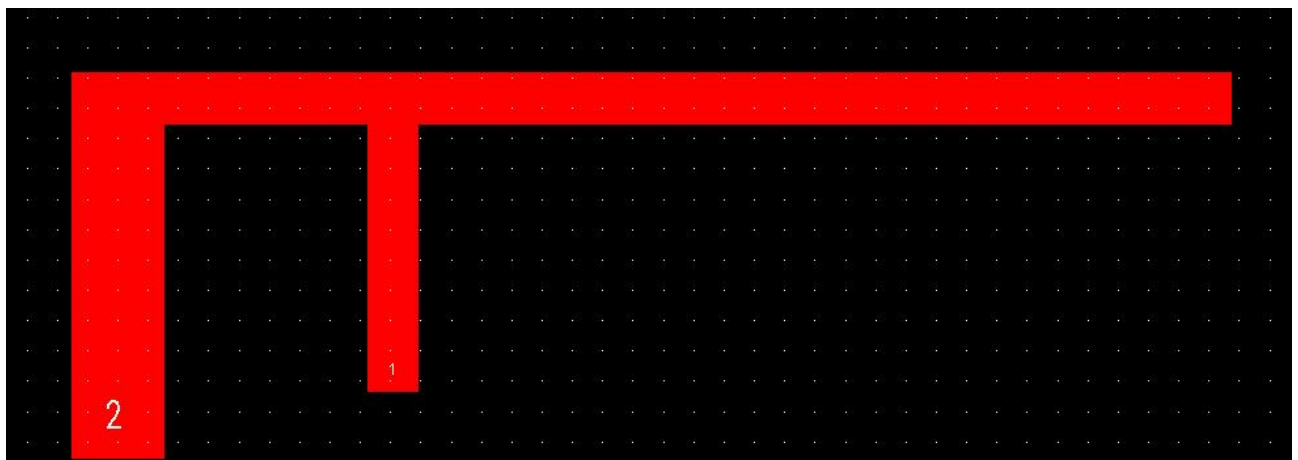
Product specification

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(Peak 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

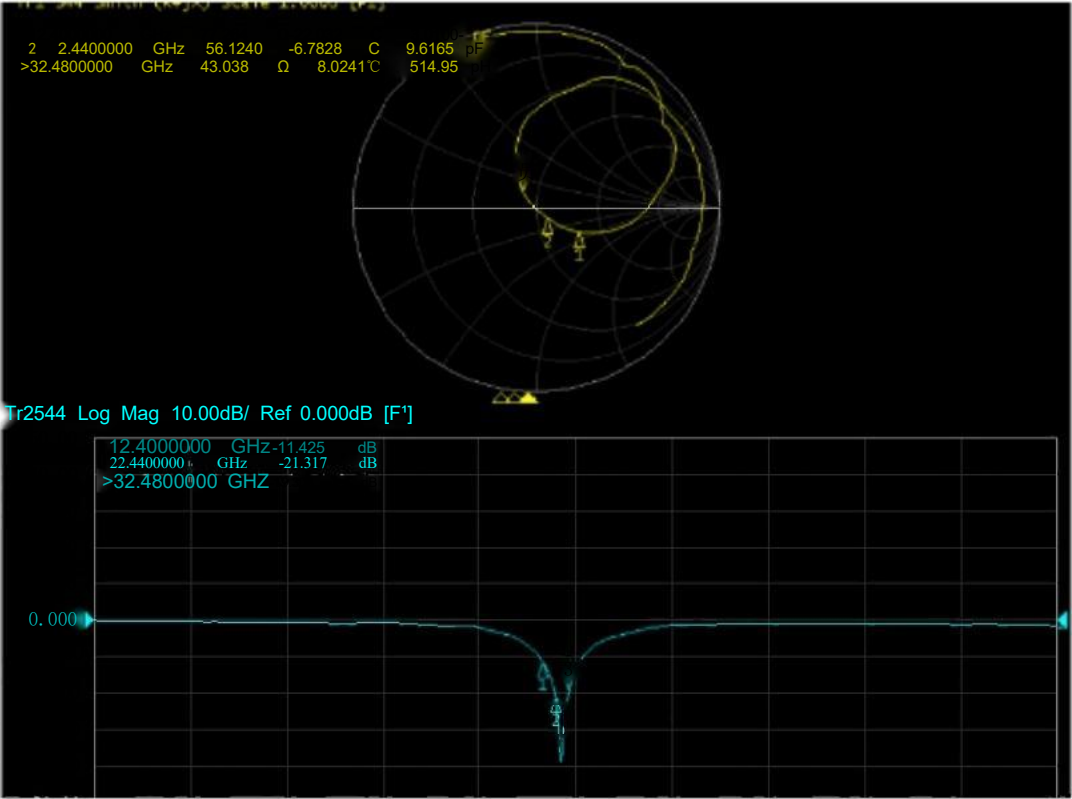


Antenna Gain

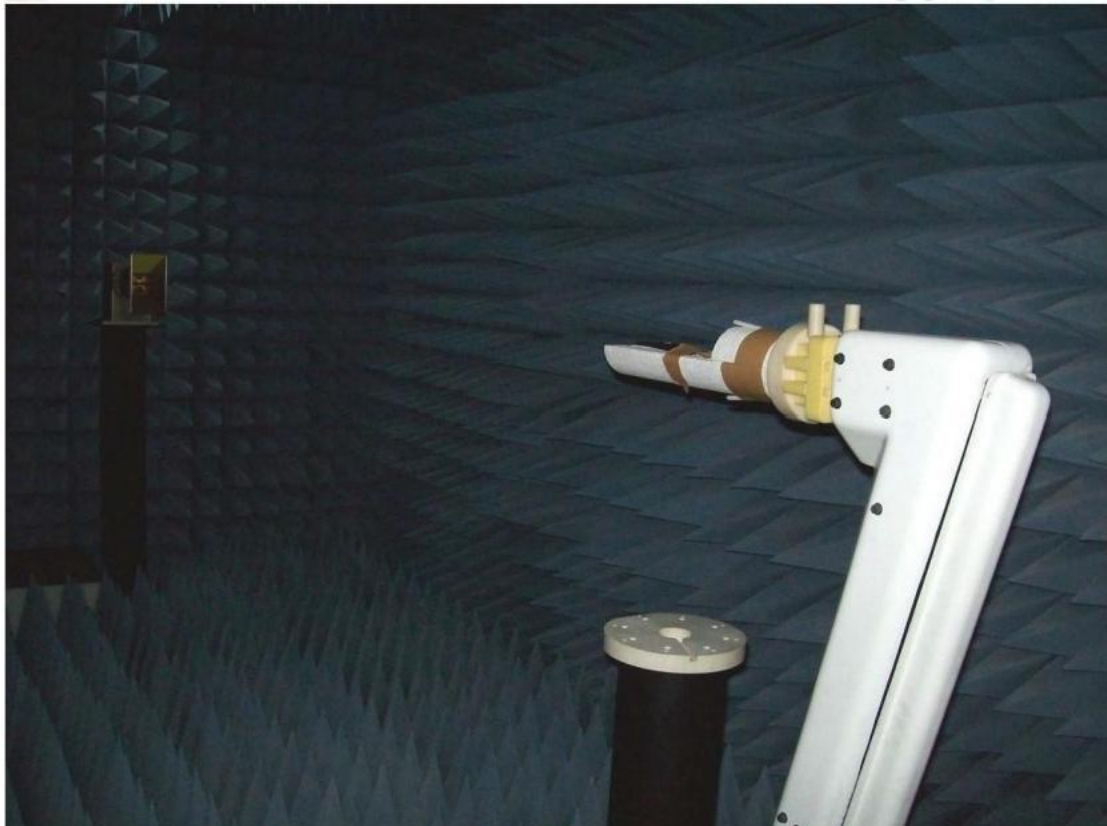
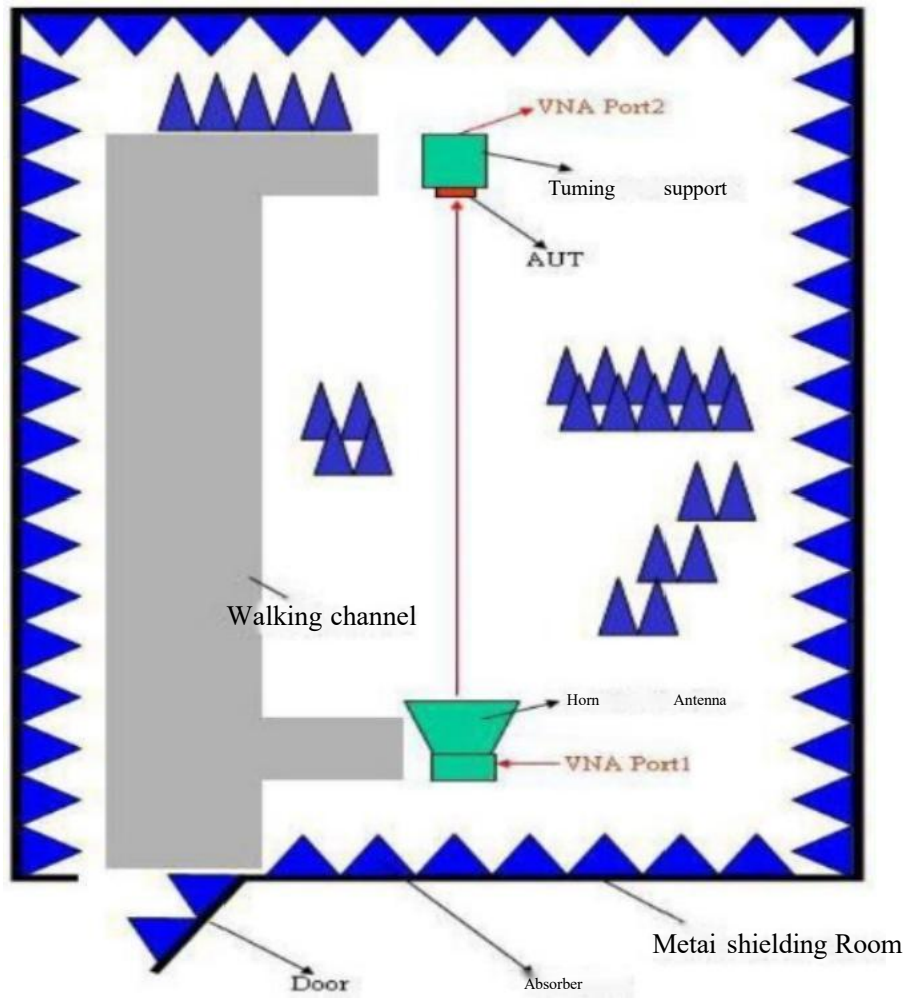
Gain Table

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 %

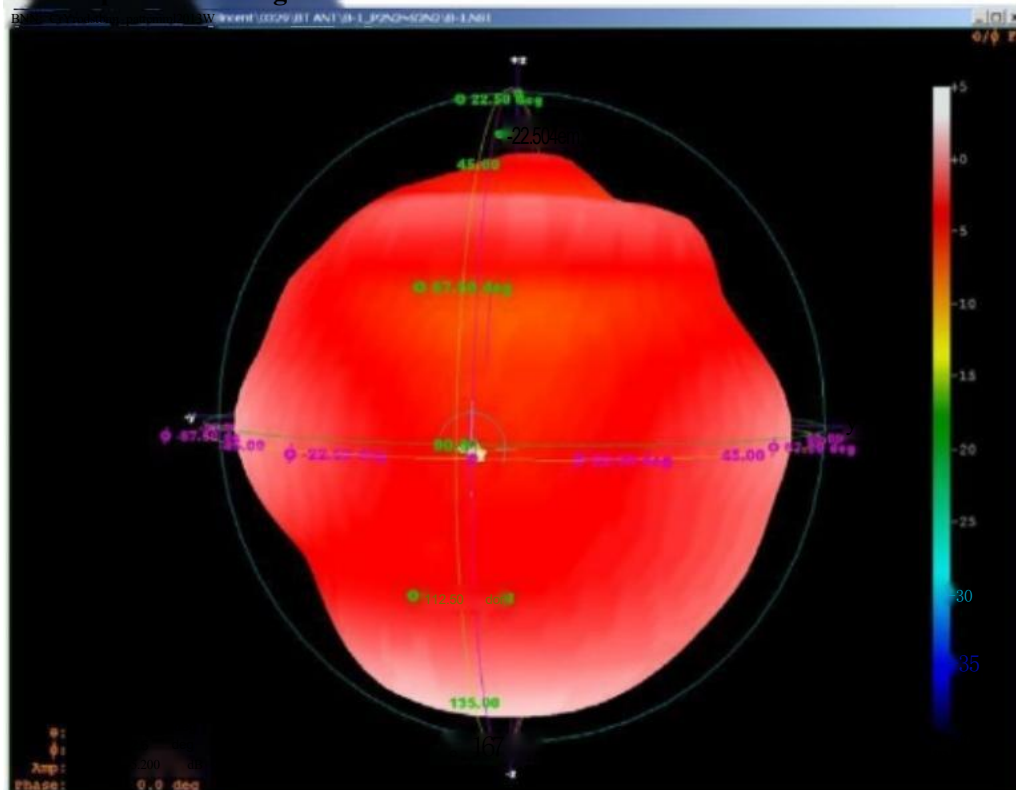
Return Loss



The Environment of Antenna Radiation Pattern

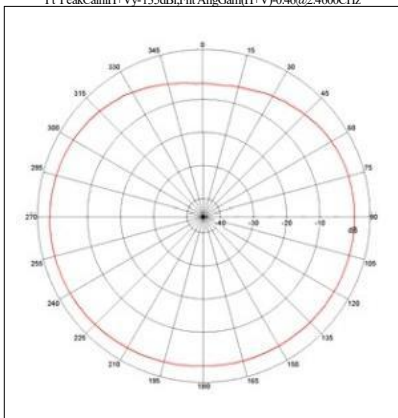


3D radiation pattern diagram



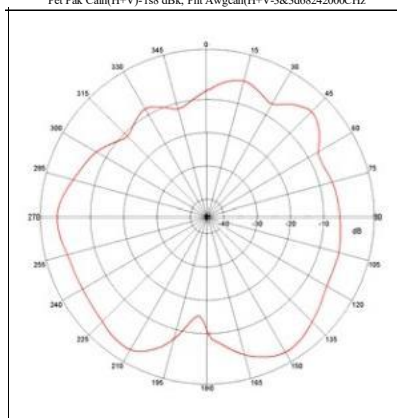
XY-plane

Far-field Power Distribution(H+V) on X-Y Plane
Pet Peak Gain(H+V)-135dB; Pnt AvgGain(H+V)-0.46@24000Hz



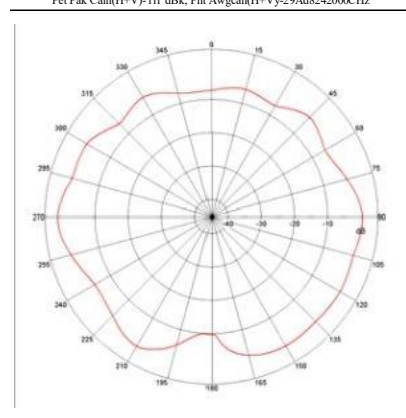
XZ-plane

Far-field Power Distribution(H+V) on X-Z Plane
Pet Peak Gain(H+V)-111 dB; Pnt AvgGain(H+V)-3.36@24000Hz



YZ-plane

Far-field Power Distribution(H+V) on Y-Z Plane
Pet Peak Gain(H+V)-111 dB; Pnt AvgGain(H+V)-29.4@24000Hz



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