

Shenzhen Radiomaster Co.,Ltd

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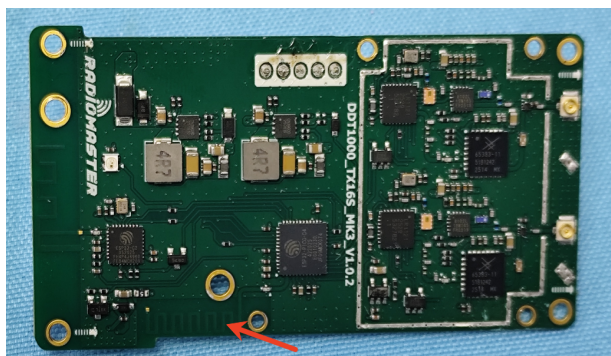
Antenna test report

Quick Reference Date

	Antenna module on the system board	
Frequenc Range	2400 ~ 2500MHz	
Ant. Port Input Pwr. (dBm)	0 (Typ. BT+WIFI 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)	6 0.2 %	
Gain (dBi)	1.35	
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

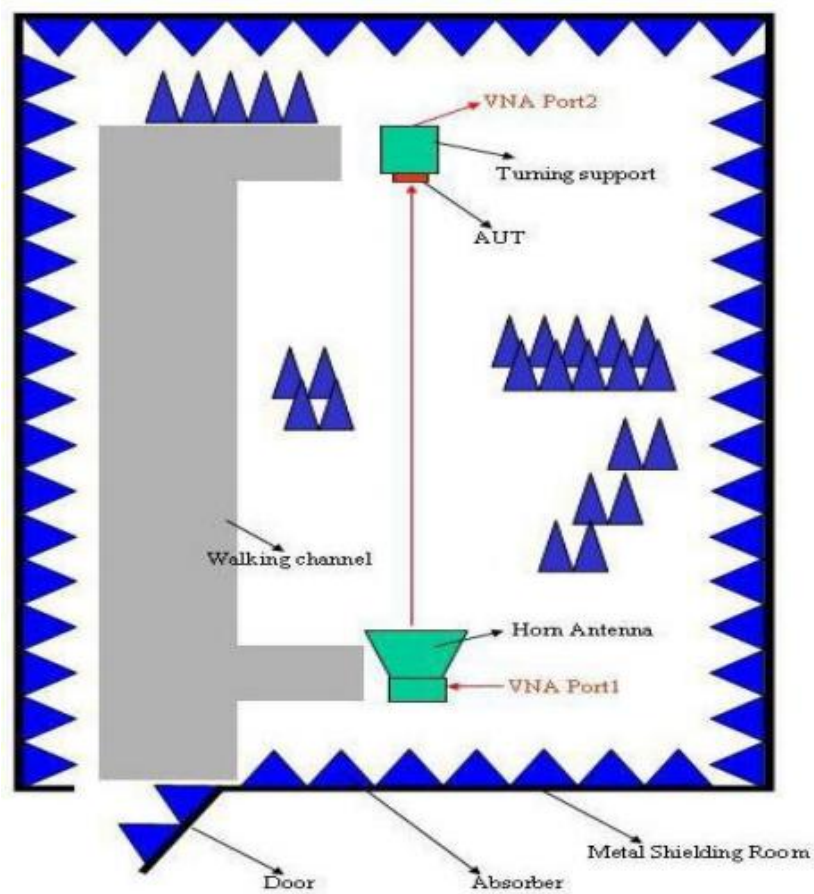
Gain Table

Frequenc 2400-2500MHz	2400		2450		2500		Efficiency
	Peak	Avg.	Peak	Avg.	Peak	Avg.	
Gain(dBi)	1.27	-0.11	1.32	-3.08	1.35	-3.11	6 1 .3%

Return Loss

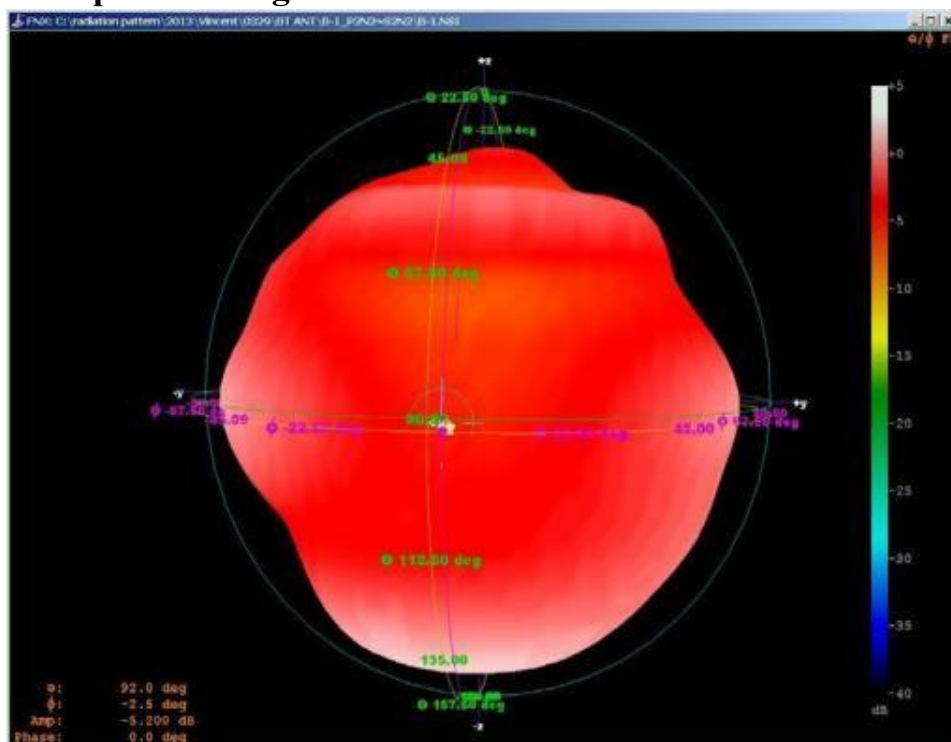


The Environment of Antenna Radiation Pattern





3D radiation pattern diagram



XY-plane

Far-field Power Distribution(HaV) on X-Y Plane

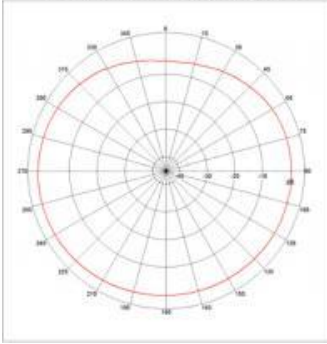
XZ-plane

Far-field Power Distribution(HaV) on X-Z Plane

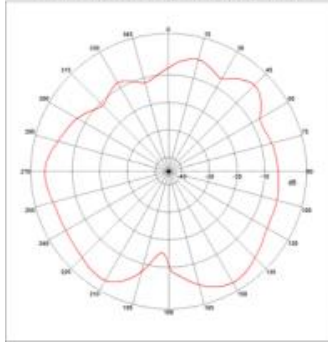
YZ-plane

Far-field Power Distribution(HaV) on Y-Z Plane

Far-field Power Distribution(H+V) on X-Y Plane
Plot Peak Gain(H+V)= 1.15 dBs, Plot Angle(H+V)= 0.0000 (27.0000/20)



Far-field Power Distribution(H+V) on X-Z Plane
Plot Peak Gain(H+V)= 1.08 dBs, Plot Angle(H+V)= 0.0000 (27.0000/20)



Far-field Power Distribution(H+V) on Y-Z Plane
Plot Peak Gain(H+V)= 1.11 dBs, Plot Angle(H+V)= 0.0000 (27.0000/20)

