

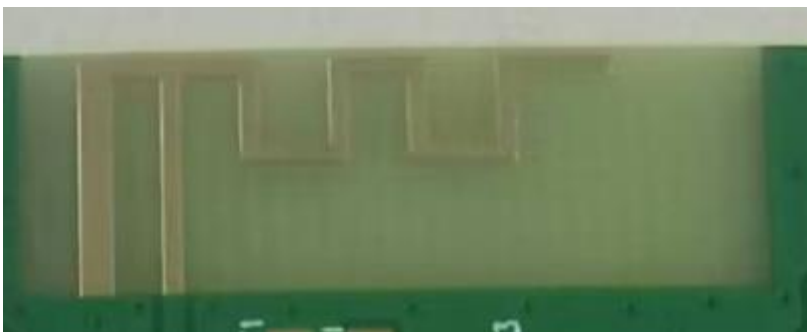
Product specification

Quick Reference Data

	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)	5.35 (all direction antenna)	
Efficiency (dB)	60.2 %	
Gain (dBi)	3.02 (Avg Gain XY-plane)	
Maximum Power (dBm)	3.02 (XY-plane)	
Minimum Power (dBm)	-10.12(XY-plane)	
Avg. Power (dBm)	-2.32(XY-plane)	
Input Impedence(ohm)	50	
Polarization Type	Vertical & Horizontal	
V.S.W.R	< 2	
Antenna type	PCB antenna	
Manufacturer	Ji'an Jieke Electronics Co., Ltd	
Address	Building 1, Hongyuan Science and Technology Park, Jixian Road, Jizhou Industrial Park, Jizhou District, Ji'an City, Jiangxi Province	

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

Antenna Layout & module on the system board



Antenna Gain

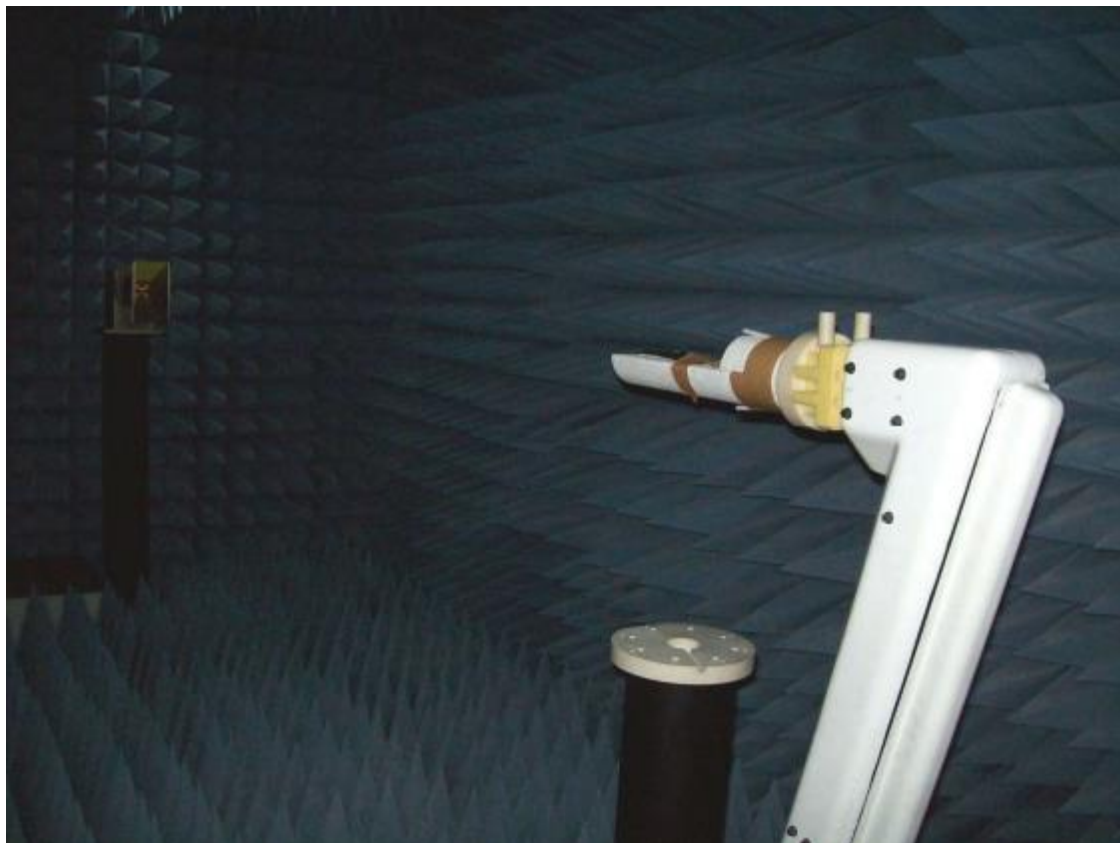
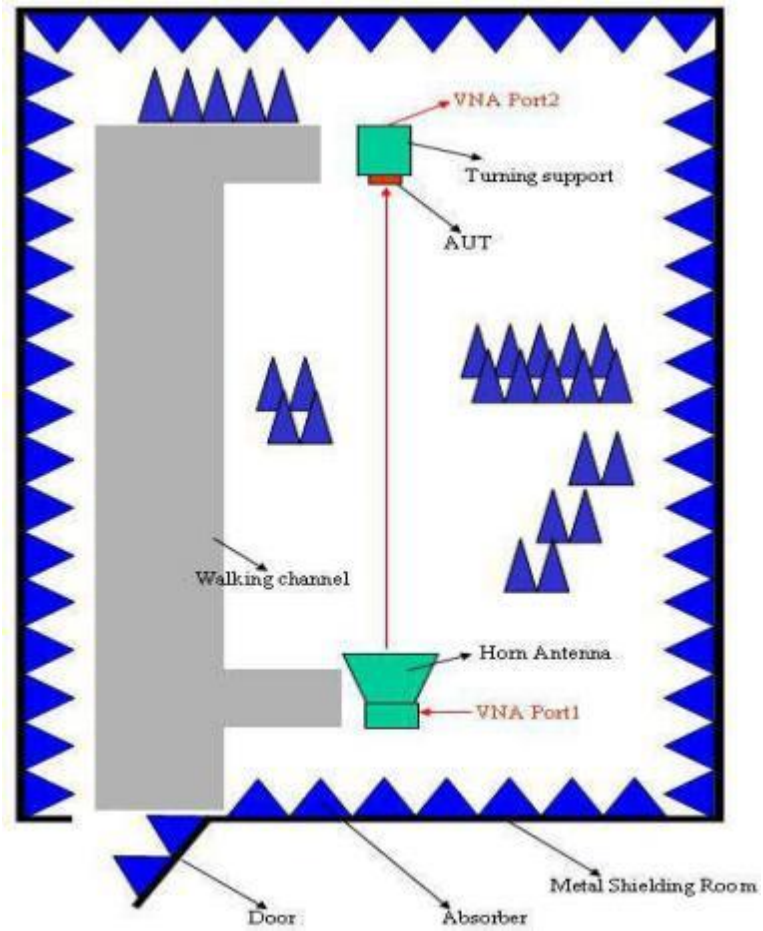
Gain Table

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHS (%)	Max (dB)	Min (dB)	Directivity (dBi)	Beamwidth (3dB)	AttH (dB)	AttV (dB)
2400	46.44	-3.33	1.81	-0.34	17.481	28.957	1.81	-13.62	5.14	0	48.23	48.39
2410	42.95	-3.67	1.39	-0.76	16.234	26.72	1.39	-15.6	5.06	0	48.72	48.9
2420	52	-2.84	2.34	0.19	19.208	32.79	2.34	-15.77	5.18	0	48.66	48.77
2430	57.33	-2.42	2.8	0.65	20.594	36.737	2.8	-14.12	5.22	0	48.25	48.38
2440	56.91	-2.45	2.85	0.7	19.899	37.012	2.85	-12.27	5.3	0	48.11	48.19
2450	58.58	-2.32	3.02	0.87	20.03	38.546	3.02	-10.12	5.35	0	48.74	48.76
2460	56.43	-2.48	2.8	0.65	19.074	37.355	2.8	-10.31	5.28	0	48.75	48.76
2470	52.91	-2.76	2.51	0.36	17.8	35.107	2.51	-11.47	5.28	0	48.81	48.75
2480	49.92	-3.02	2.18	-0.03	16.577	33.346	2.18	-12.88	5.19	0	48.25	48.19
2490	50.09	-3	2.14	-0.01	16.652	33.441	2.14	-13.61	5.14	0	48.71	48.56

Return Loss



The Environment of Antenna Radiation Pattern



3D radiation pattern diagram

