Product specification

Quick Reference Date

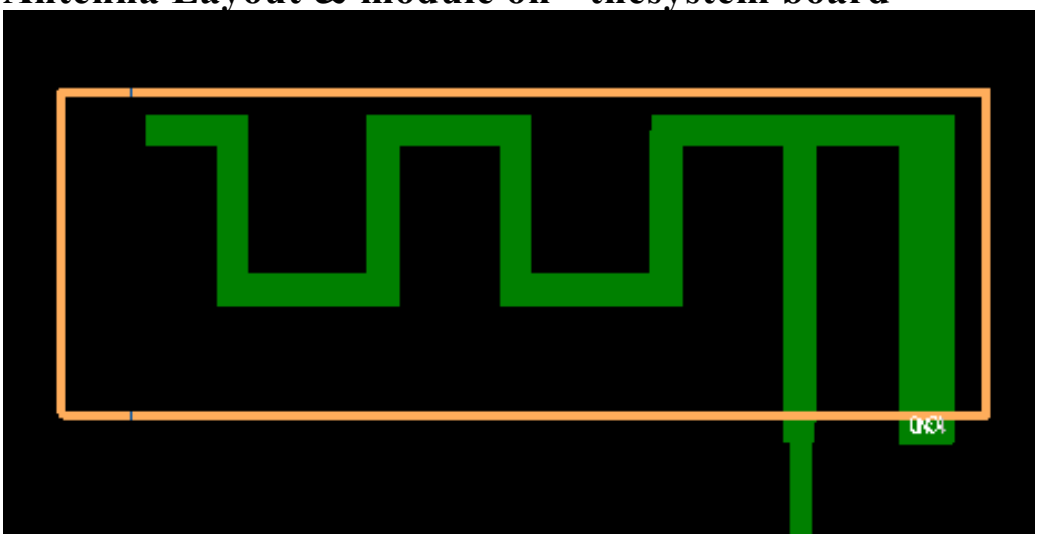
Frequency ID	1	6	11
Frequency (MHz)	**2400.0**	**2450.0**	**2500.0**
Efficiency (dBi)	**-3.10**	**-2.83**	**-3.21**
Gain (dBi)	2.01	2.36	1.97
Efficiency (%)	**48.98**	**52.13**	**47.73**
Directivity (dB)	**5.11**	**5.19**	**5.18**
Peak Gain Position (Theta)	96.00	97.00	122.00
Peak Gain Position (Phi)	50.00	50.00	55.00
Efficiency ThetaPol (%)	24.10	25.99	24.47
Efficiency PhiPol (%)	24.88	26.15	23.26
Upper Hem. Efficiency (%)	22.79	23.99	21.88
Lower Hem. Efficiency (%)	26.18	28.14	25.84
Frequency (MHz)	**2400.0**	**2450.0**	**2500.0**
Efficiency (dBi)	**-3.10**	**-2.83**	**-3.21**
Gain (dBi)	2.01	2.36	1.97

Manufacturer: Shenzhen Xi Fan Technology Co., Ltd.
Address of Manufacturer: RM 1320# Caiyunxuan, Wanling Apartment, Xicheng Industrial Zone, Xixiang Street, Bao'an District, Shenzhen, China

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

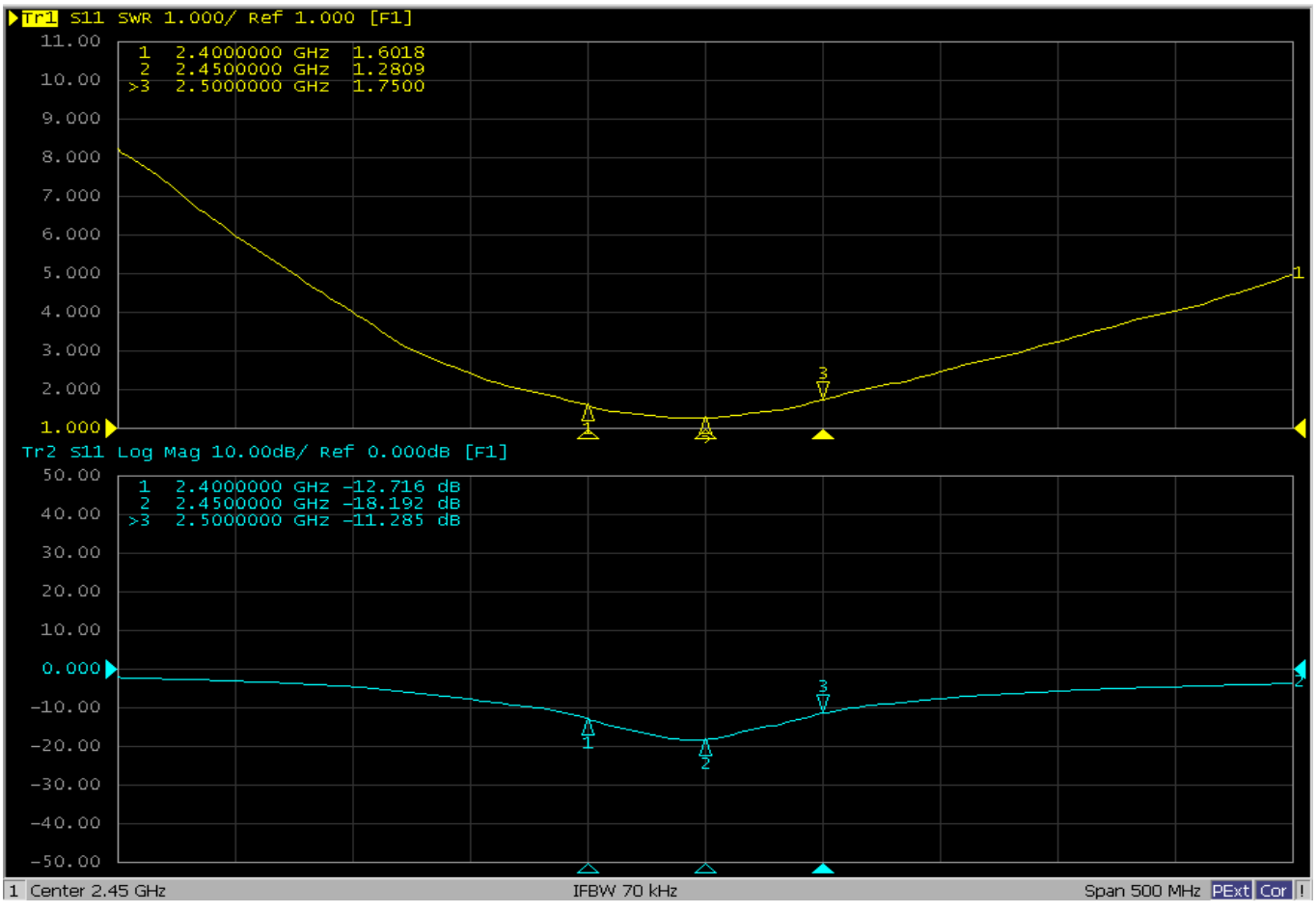
Antenna size:1.5cm*0.5cm
Type of Antenna: PCB Antenna

Antenna Layout & module on thesystem board

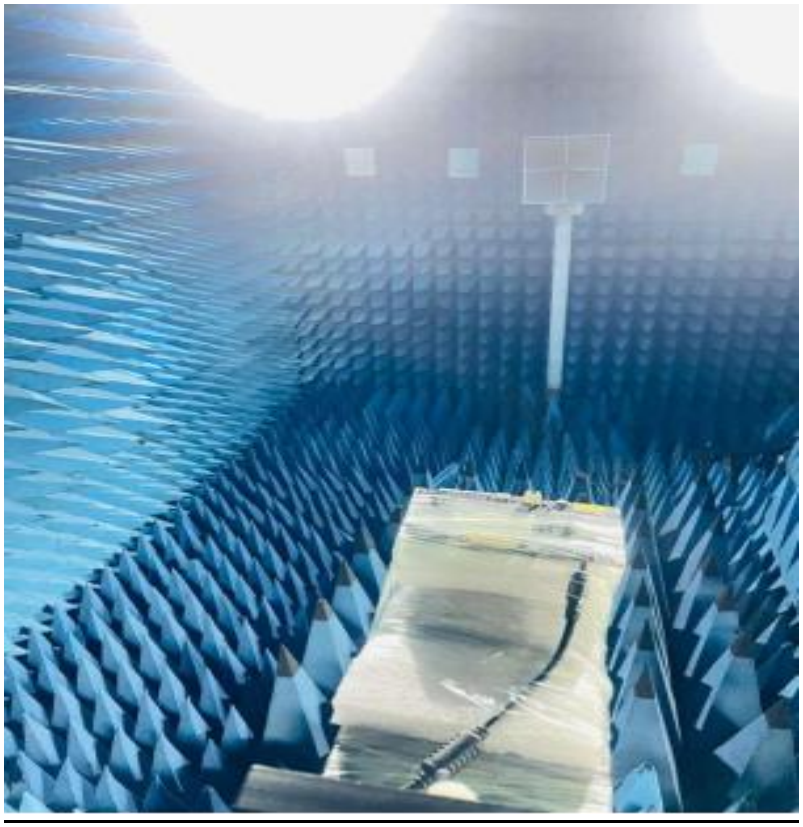


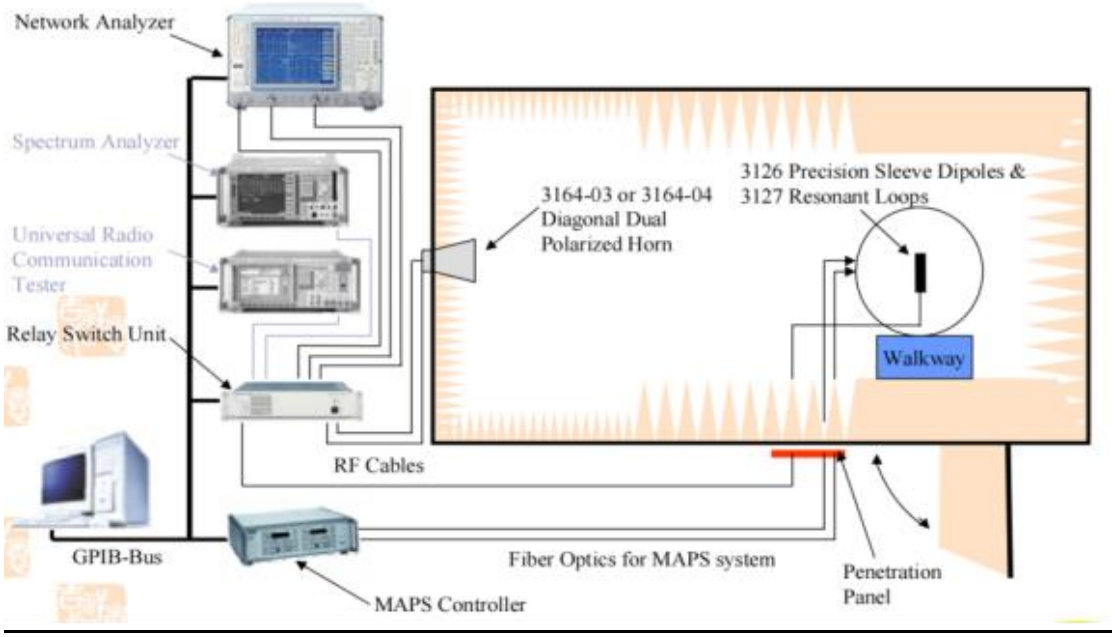
Antenna Gain Gain Table

T90(H) Roundness	11.19	11.57	15.13
Gain 15deg (dBi)			
E1(XZ) Beam width	90.00	92.00	90.00
E1(XZ) Ratio before and after	7.73	7.70	9.17
E2(YZ) Beam width	65.00	62.00	58.00
E2(YZ) Ratio before and after	0.54	0.47	0.11
Maximum gain ratio axis (P)	15.26	15.48	10.72
The angle of elevation of 10 degrees is the worst (maximum) for the major axis ratio (P).	57.13	65.92	53.08
Hc(XY) Beam width	73.00	75.00	123.00
Hc(XY) Ratio before and after	4.39	4.74	4.40
Left-handed circular polarization efficiency (%)	24.54	26.33	20.95
Right-handed circular polarization efficiency (%)	24.44	25.80	26.77
T90(H) Roundness	11.19	11.57	15.13



The Environment of Antenna Radiation Pattern

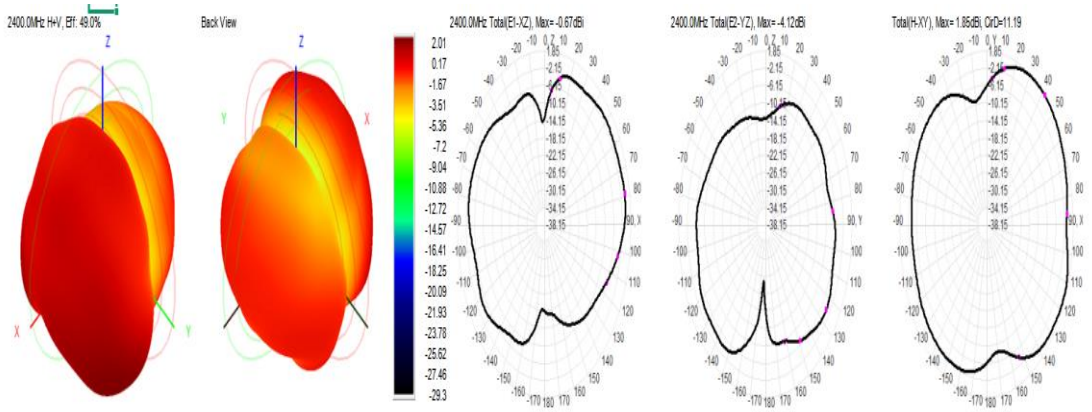




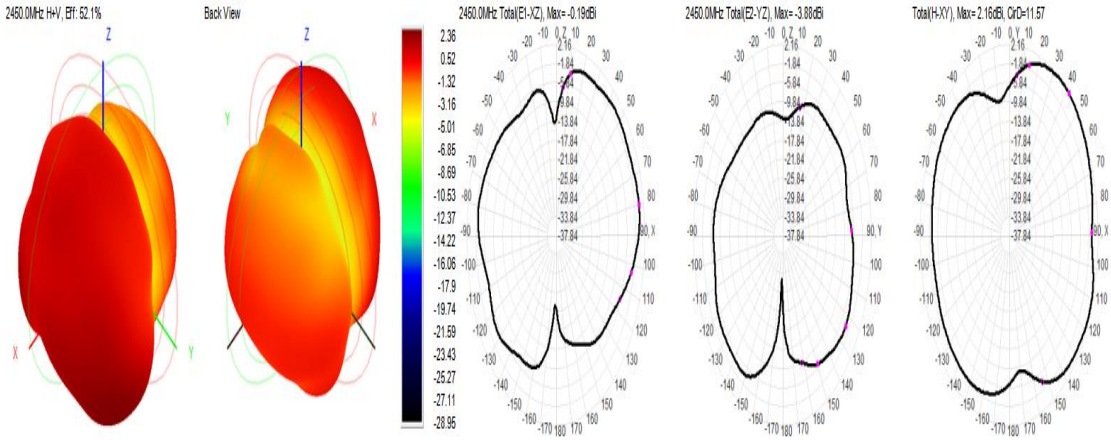
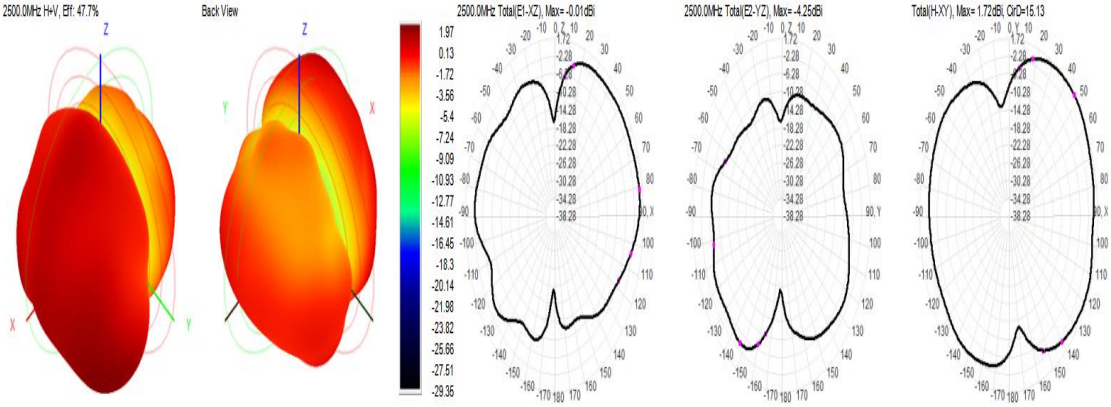
3D radiation pattern diagram

XY-plane XZ-plane YZ-plane

2400.0MHz



2450.0MHZ



2500.0MHz