

Acknowledgment

Recognized manufacturers: _____

Manufacturer: Shenzhen Kexin wireless Technology Co., LTD

Description: 2.4G Plastic Antenna/ RPSMA-JW

Model: _____

(Product Type)

Customer:				
Customer Approval	Check	Reviewer	Approve	Date
Provider:				
Provider Approval	Maker	Check	Approve	Date

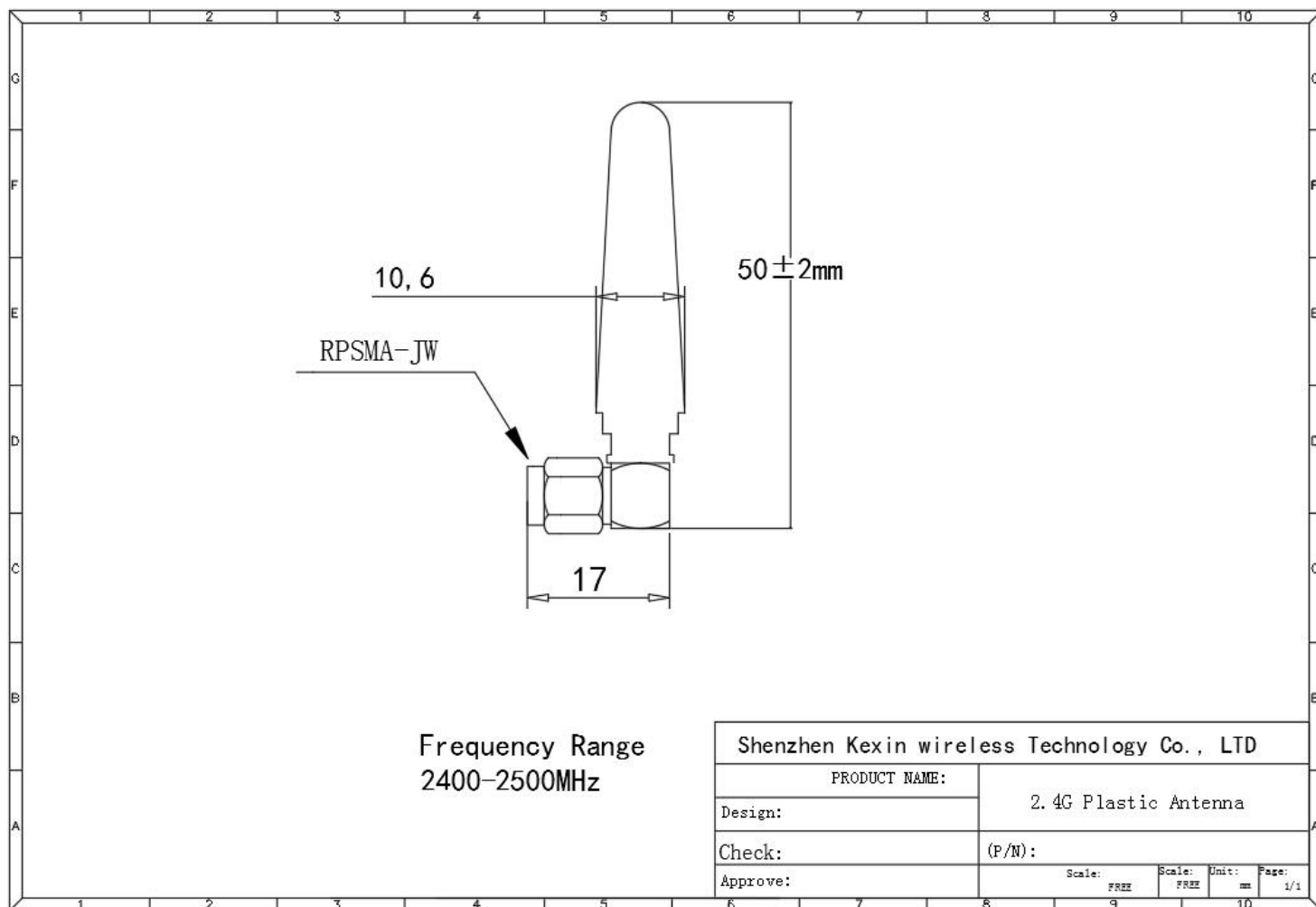
Document preparation, modification and cancellation records

Version	Date	Change content
V1	2024.01.30	First production

1、Table of Product Performance Parameters

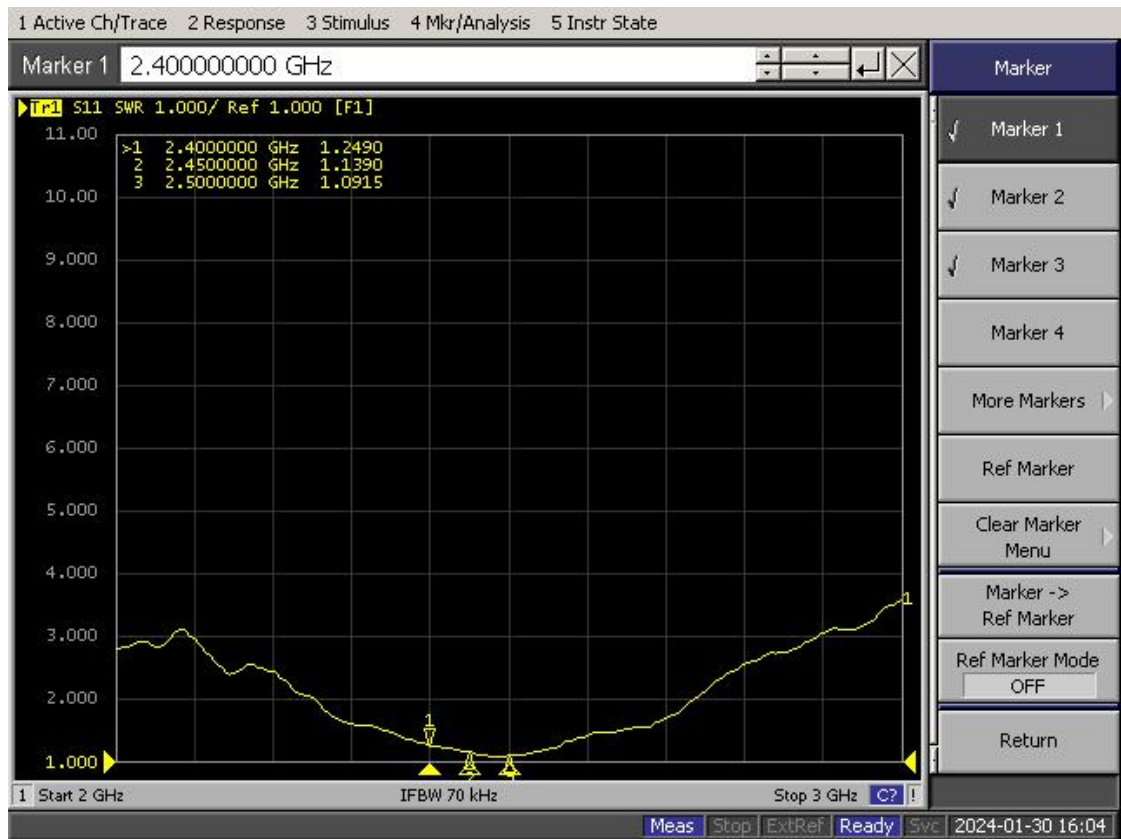
Electrical Specifications	
Frequency Range (MHz)	2400~2500
Input Impedence (Ω)	50
V.S.W.R	<2.0 (Unmatched devices are for reference only)
Gain (dBi)	1.93 (Max)
Polarization Type	Vertical
Maximum power(W)	10W
Vertical lobe Angle (E)	28~50°
Water plane lobe Angle (H)	360°
Mechanical Specifications	
Material	Plastic&Plastic
Connect Type	RPSMA-JW
Size	17*10.6*50 mm
Storage Temp	-25 ~ +75°C

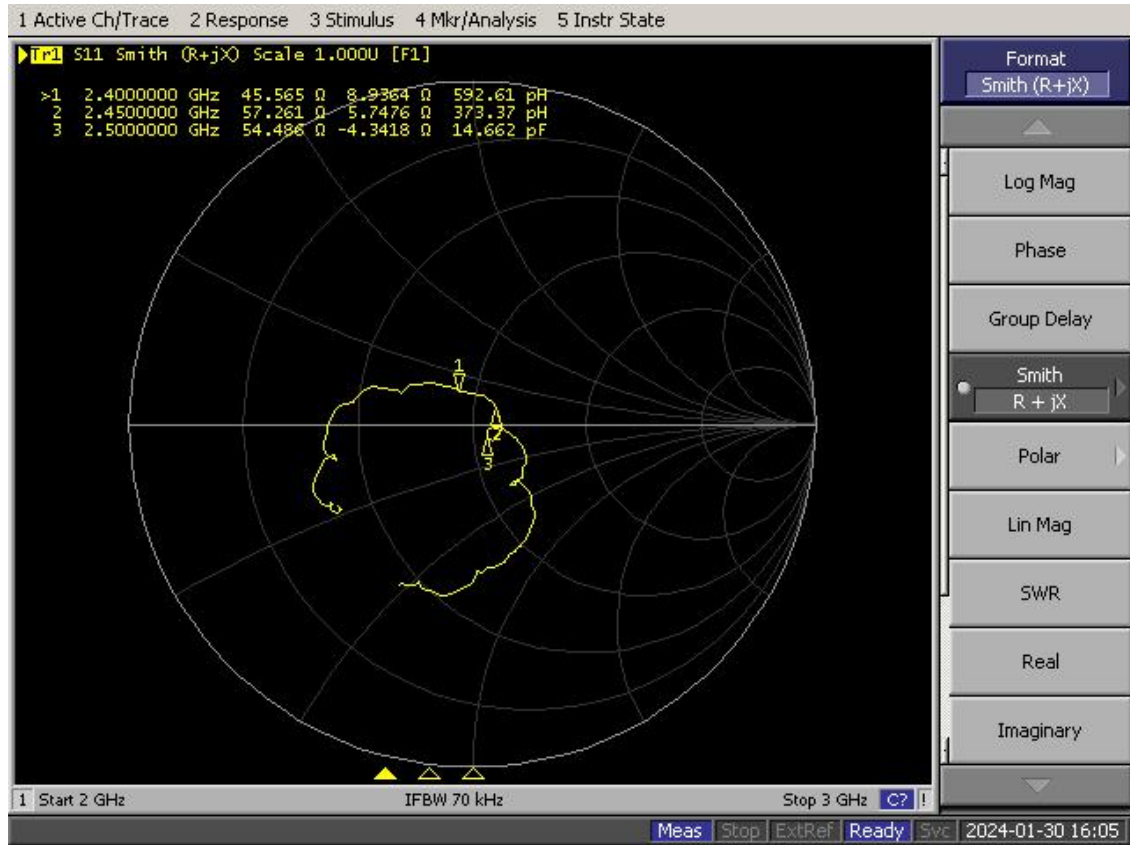
2、Product Structure Drawing



3、Electrical test report

3.1



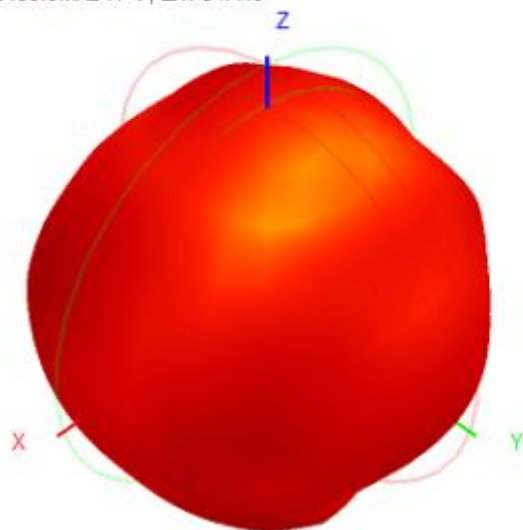


3.2 Efficiency&gain

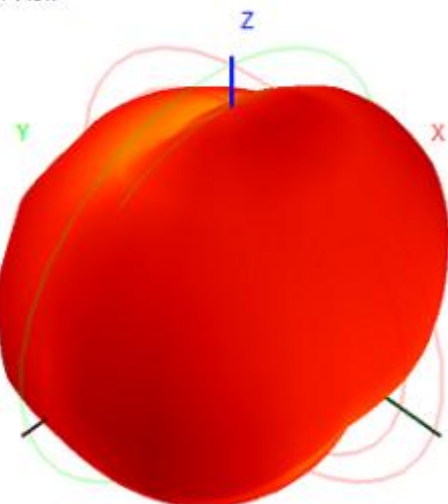
Frequency (MHz)	Efficiency (%)	Peak Gain (dBi)
2400	64.43	1.93
2450	63.49	1.88
2500	63.62	1.80

3.3 3D&2D Pattern

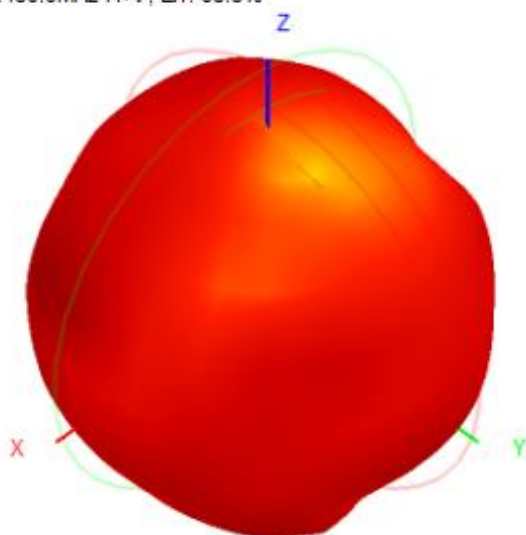
2400.0MHz H+V, Eff: 64.4%



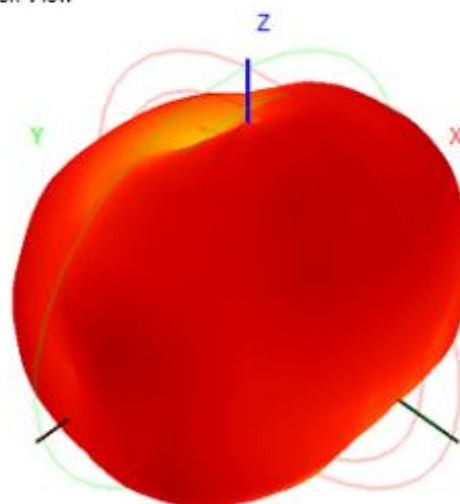
Back View



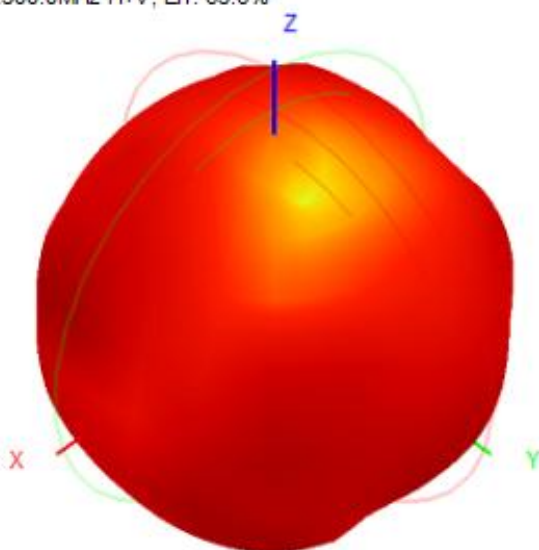
2450.0MHz H+V, Eff: 63.5%



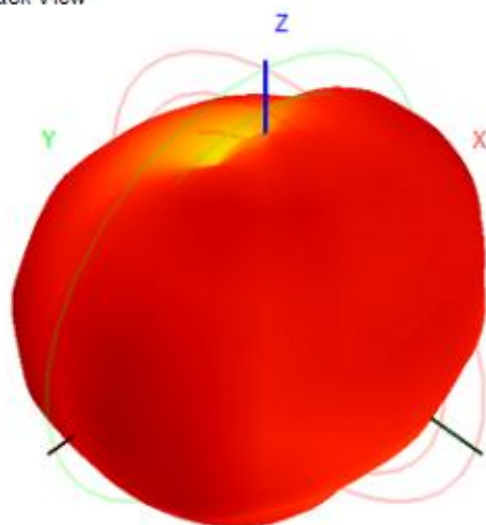
Back View



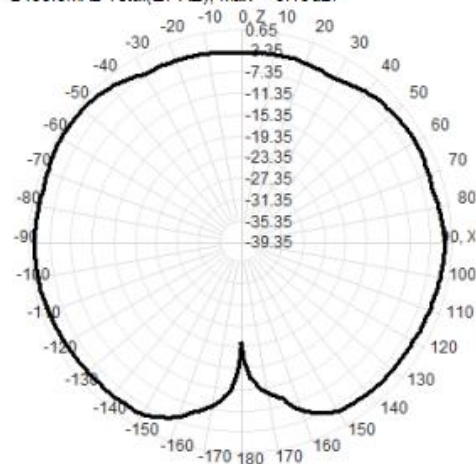
2500.0MHz H+V, Eff: 63.6%



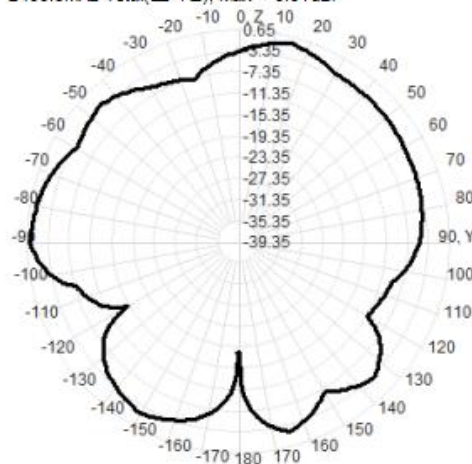
Back View



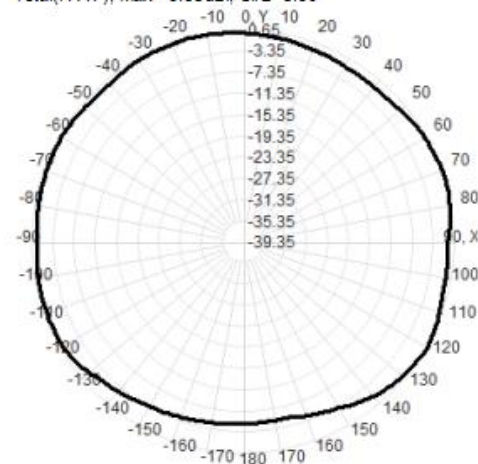
2400.0MHz Total(E1-XZ), Max=-0.19dBi



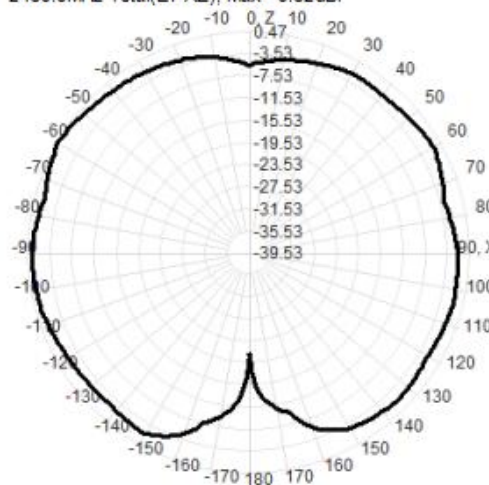
2400.0MHz Total(E2-YZ), Max=-0.01dBi



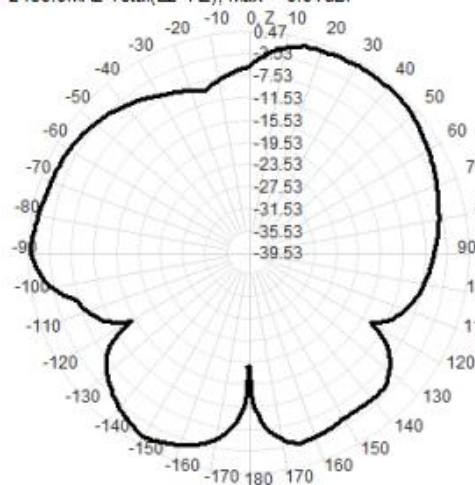
Total(H-XY), Max= 0.65dBi, CirD=5.98



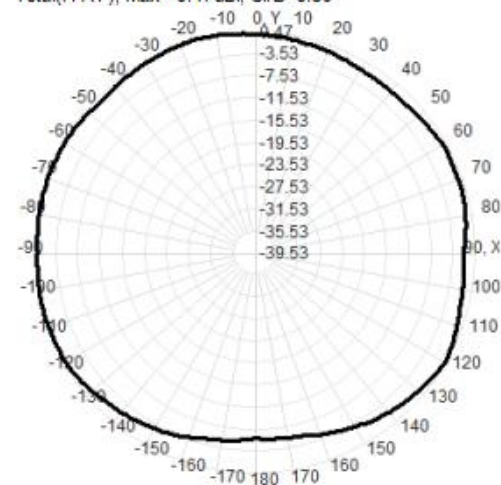
2450.0MHz Total(E1-XZ), Max= 0.32dBi



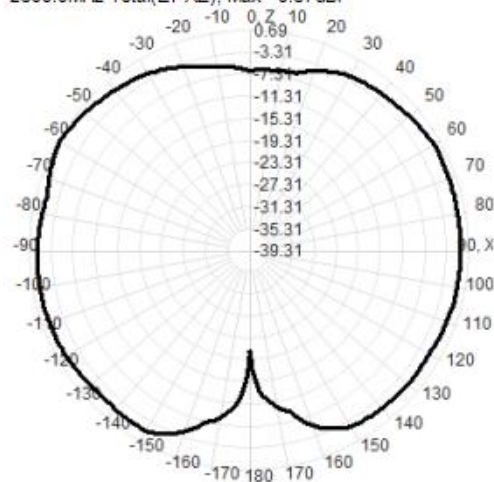
2450.0MHz Total(E2-YZ), Max=-0.01dBi



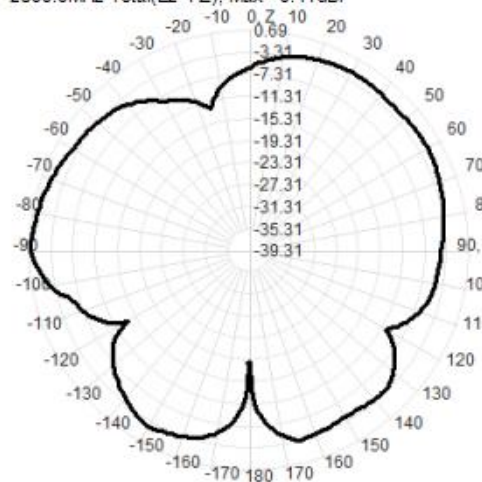
Total(H-XY), Max= 0.47dBi, CirD=6.58



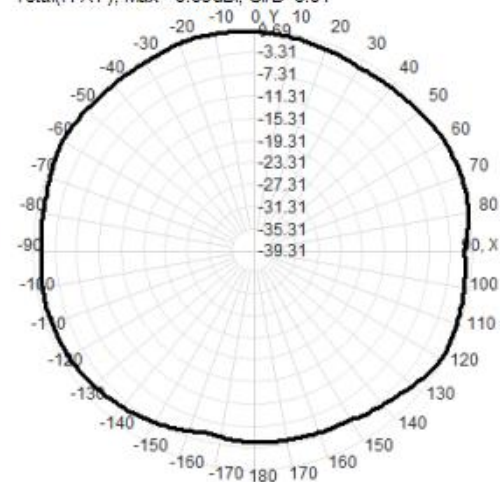
2500.0MHz Total(E1-XZ), Max= 0.37dBi



2500.0MHz Total(E2-YZ), Max= 0.41dBi



Total(H-XY), Max= 0.69dBi, CirD=6.01



4. Product pictures

