

Antenna specification

SHENZHEN QIN XIN INDUSTRY CO.,LTD

Customer Name:	Shenzhen VIG Technology Co., Ltd
Project frequency band:	2400-2500MHZ
Project name:	AT-KSMJ-150
Antenna number:	2.4G Copper Tube Antenna
Antenna gain:	2.45dBi
Version:	1.0

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一、Antenna characteristic description

This report mainly describes the physical characteristics and electrical performance of 2.4G antennas under various testing conditions.

1.1 Antenna schematic diagram



1.2 Antenna test results

Smith chart:



VSWR:

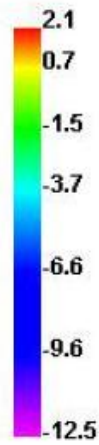
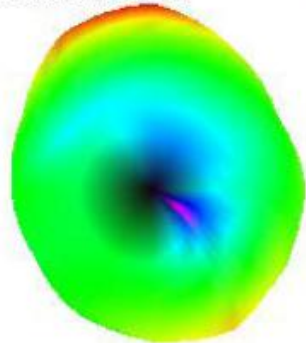


Antenna efficiency:

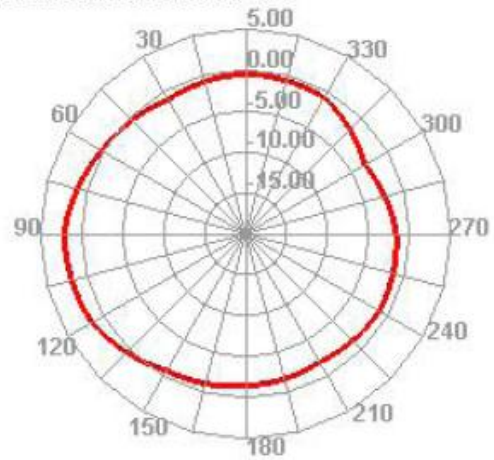
Freq (MHz)	Effi (%)	Gain (dBi)
2400	54.24	2.14
2410	60.27	2.2
2420	63.1	2.04
2430	62.84	1.94
2440	62.11	1.98
2450	62.56	2.37
2460	67.8	2.45
2470	68.59	2.13
2480	70.2	2

Antenna pattern:

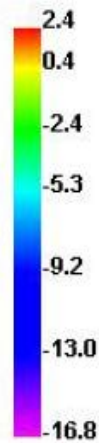
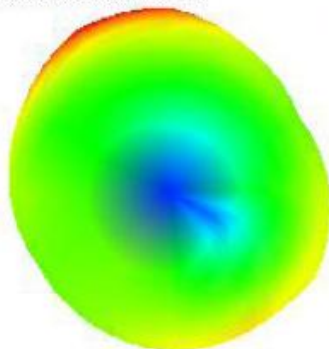
2400.000MHz



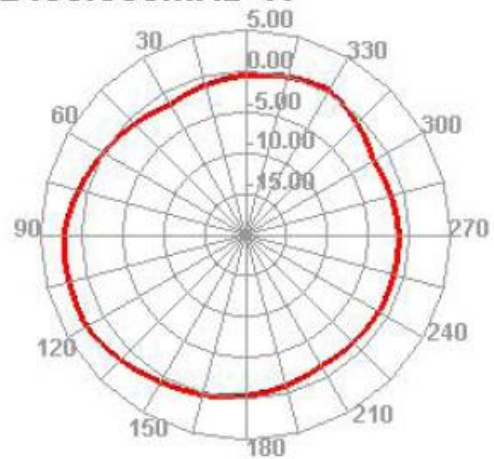
2400.000MHz H



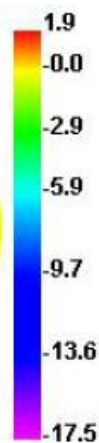
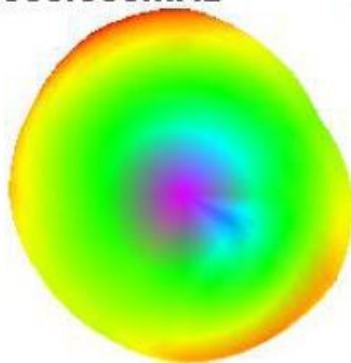
2450.000MHz



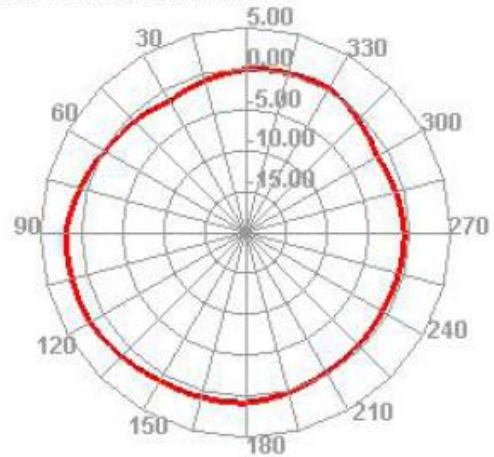
2450.000MHz H



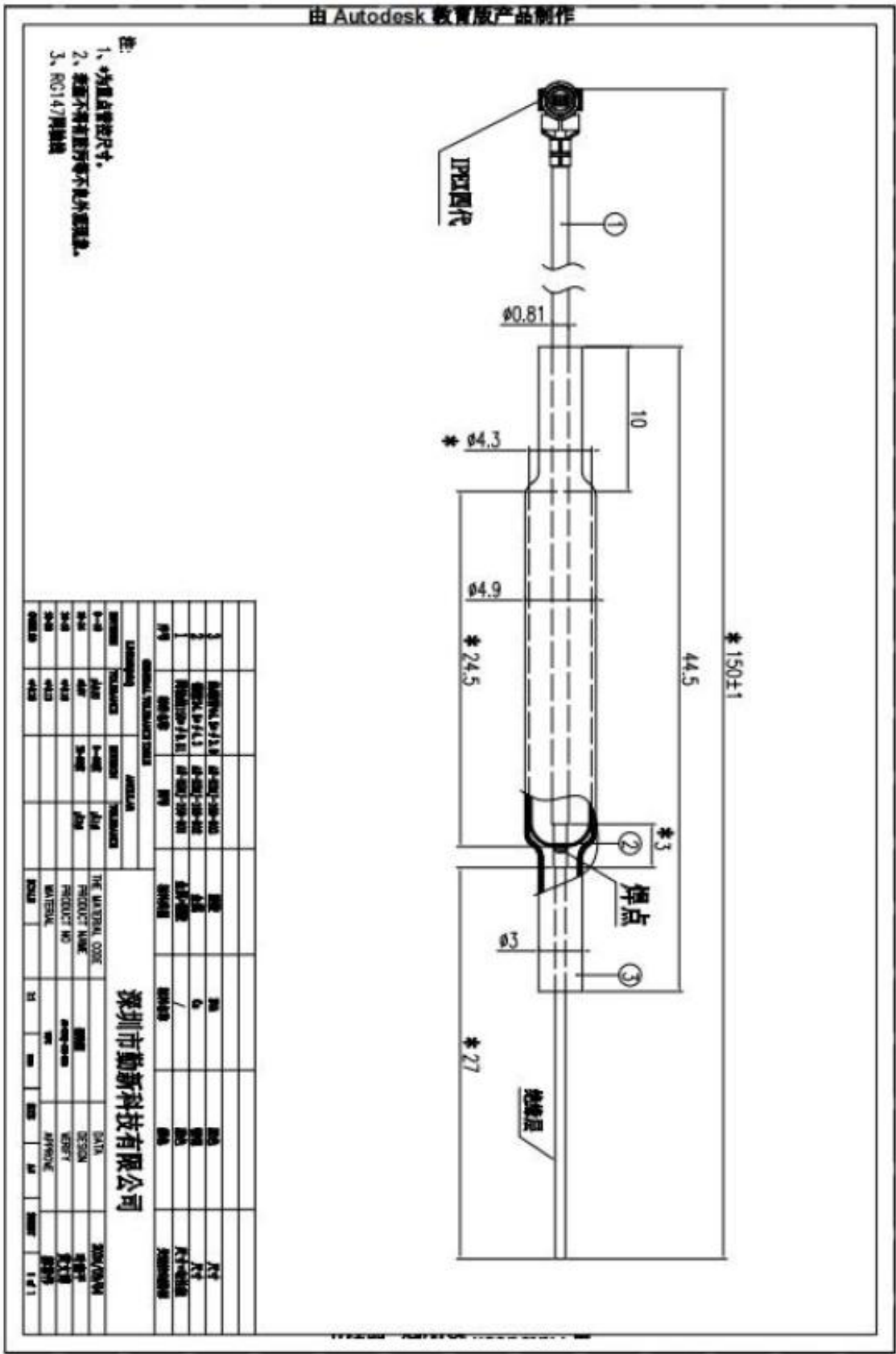
2500.000MHz



2500.000MHz H



Antenna size diagram:



Unit: mm