



Shenzhen Shuodian Electronic Technology Co., Ltd

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Specifications

for

VT960S 2.4G Antenna

Customer part number

629-00094-00A

Company part number

VT960S-FPC-2.4G

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Date: April 20, 2022

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1. Confirmation by both parties

1.1 Customer signature for confirmation

Customer: Dongguan Heatmoving Electronics Technology Co., Ltd.

Customer department/position	Signature of confirming person	Confirmation date
Hardware/RF		
Structure		
Project Manager		
Business/purchase		
Review		

1.2 Signature of Shuodian Technology for confirmation

Department/Position	Signature of confirming person	Confirmation date
Antenna Engineer		
Structure Engineer		
Project Manager		
QA		
Review		



2. General

2.1 Scope of application

2.4G Antenna of Dongguan Heatmoving Electronics Technology Co., Ltd.

2.2 Range of operating temperature

The range of operating temperature of this product is from -20°C to +65°C

2.3 Range of storage temperature

This product is stored at -30°C to 75°C

3. General product specifications

NO.	ITEMS	DETAILS
1	Model	MY-VT960S
2	Frequency band	2400-2500MHz
3	VSWR	≤2.0
4	GAIN	3dBi
5	Impedance	50Ω
6	Antenna type	FPC
7	Antenna implementation form	FPC+0.81 coaxial line +0.6 electronic line



8	Antenna picture	
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4.



4. Detailed product specifications

4.1 Product structure parameters

4.11 Product material composition:

No.	Material	Specifications (MM)
1	FPC	Black 31.8*23.1
2	Coaxial line	Black, third-generation terminal: Ø0.81*35mm
3	Electronic line	Red 0.6*14

4.12 Appearance

The product is good in appearance and free of defects such as scars, sweat marks and protrusions that seriously affect the appearance.



4.2 Product electrical performance test data

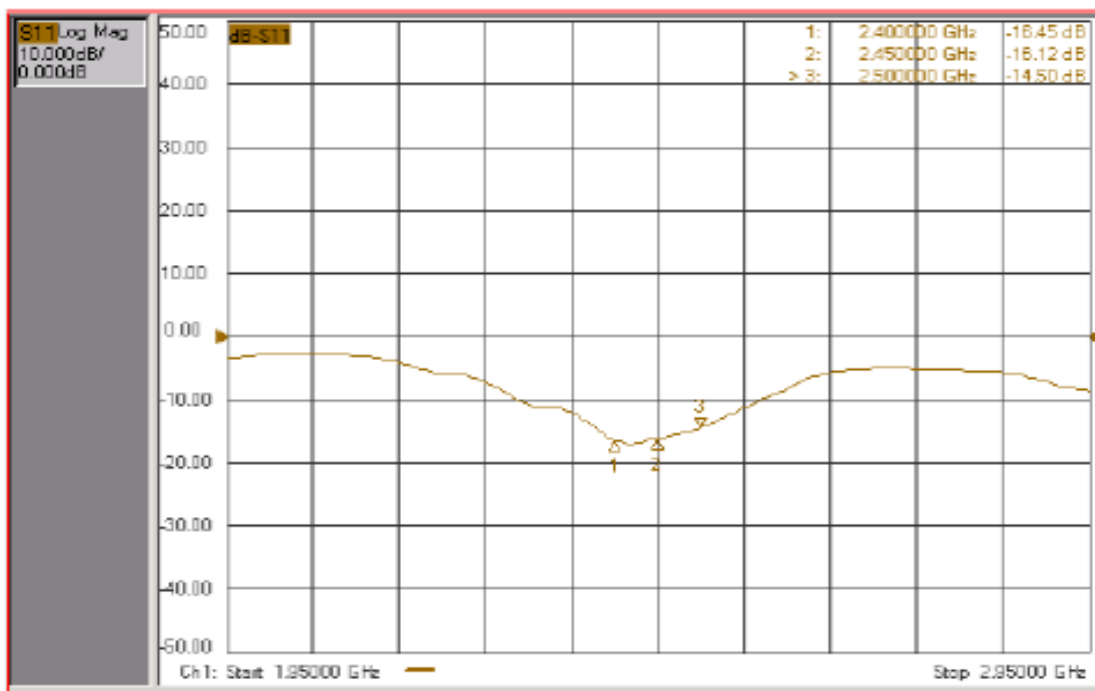
4.21 Test environment and instruments and equipment

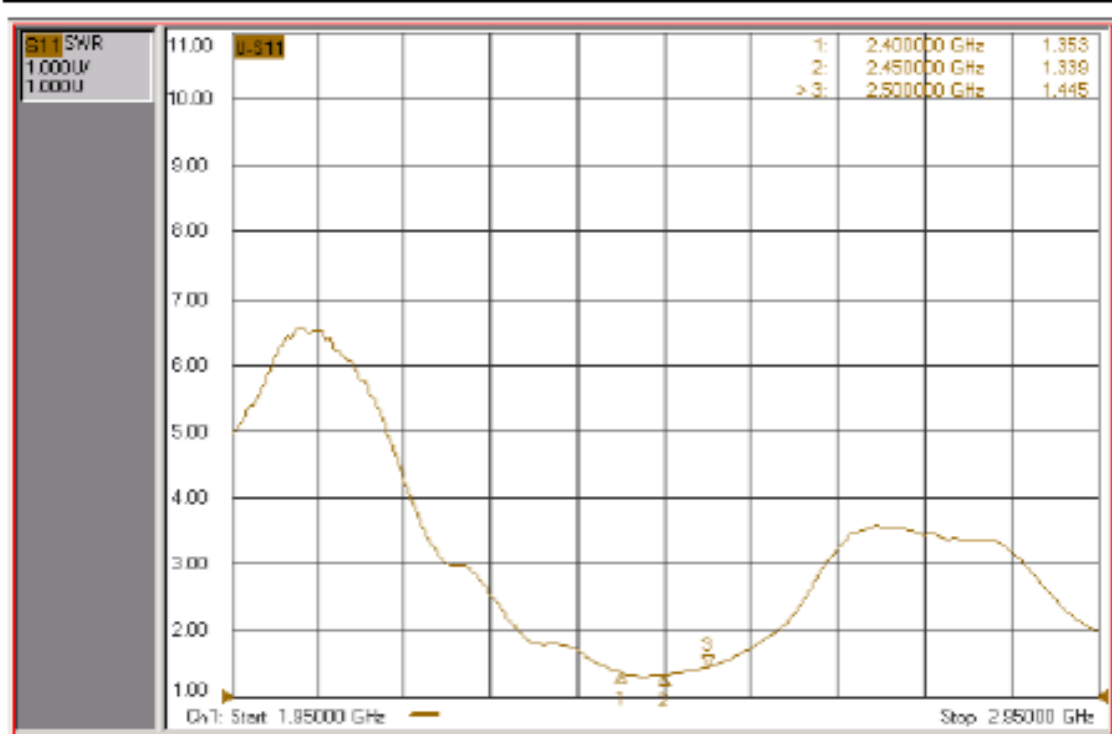
Test environment: Temperature: 10°C--+30°C Relative humidity: ≤80%(+40°C) Atmospheric pressure: 750mmkg±30mmkg	Test equipment: HP8753D network analyzer ETS microwave dark room
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4.22 Product electrical performance test data:

Grounded FPC antenna S11 parameters:

Marker	2400	2450	2500
Returnloss	-16.45	-16.12	-14.50
VSWR	1.35	1.33	1.44

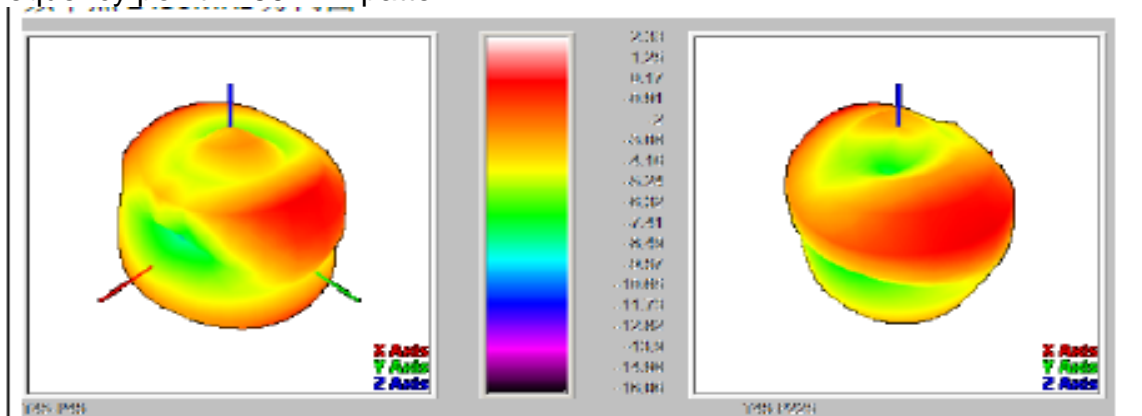


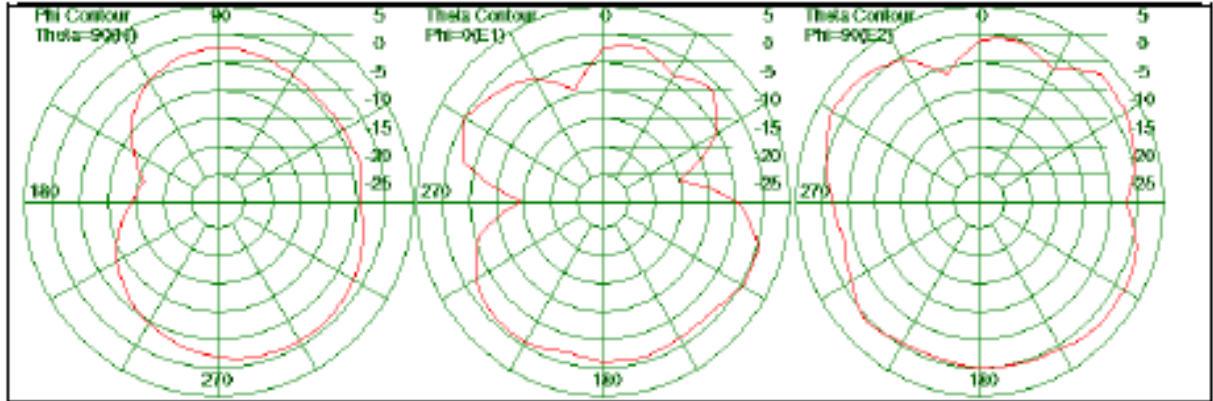


Grounded FPC antenna gain pattern data

Frequency	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Gain	1.82	2.0	2.20	2.17	2.26	2.33	2.71	3.09	3.40	3.67	3.84
Efficien%	61.7	62.9	67.0	68.5	71.9	75.5	79.8	82.9	85.7	87.2	89.1

Frequency point 2450MHz pattern





5. Mode of product packaging

Mode of packaging: Self-sealing bag packaging, 200 pieces per pack.

6.

6. Document history

Document No.	
Release Date	April 20, 2022
Author	Hungjie
Review	WH

7.

Revised History



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Date	Version	Revised Record
April 20, 2022	1.00	New Project