

# **MOYA ELECTRONIC TECHNOLOGY CO., LTD**

## **ANTENNA PRODUCT SPECIFICATION**

**Customer: Arctech Solar**

**Vendor: MOYA**

**Frequency Rang (MHz) : 2400MHz-2500MHz**

**Antenna Name: MO-2400G1-2.5**

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## CATALOGUE

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## 1、PRODUCT TECHNICAL SPECIFICATION

Antenna Name	MO2400G1-2.5
<b>Main Electrical Specifications</b>	
Frequency Range (MHz)	2400-2500MHz
V.S.W.R	2400≤2.0; 2450≤2.0; 2500≤2.0;
Impedance (Ω)	50 Ω
Polarization	Vertical Polarization
<b>Main Structure Specifications</b>	
Size (mm)	Ø67.8×269
Length	RG50-3/2500mm (Anti-UV)
Connector Type	SMA
Color	Black (Anti-UV)

## 2、PRODUCT PICTURE

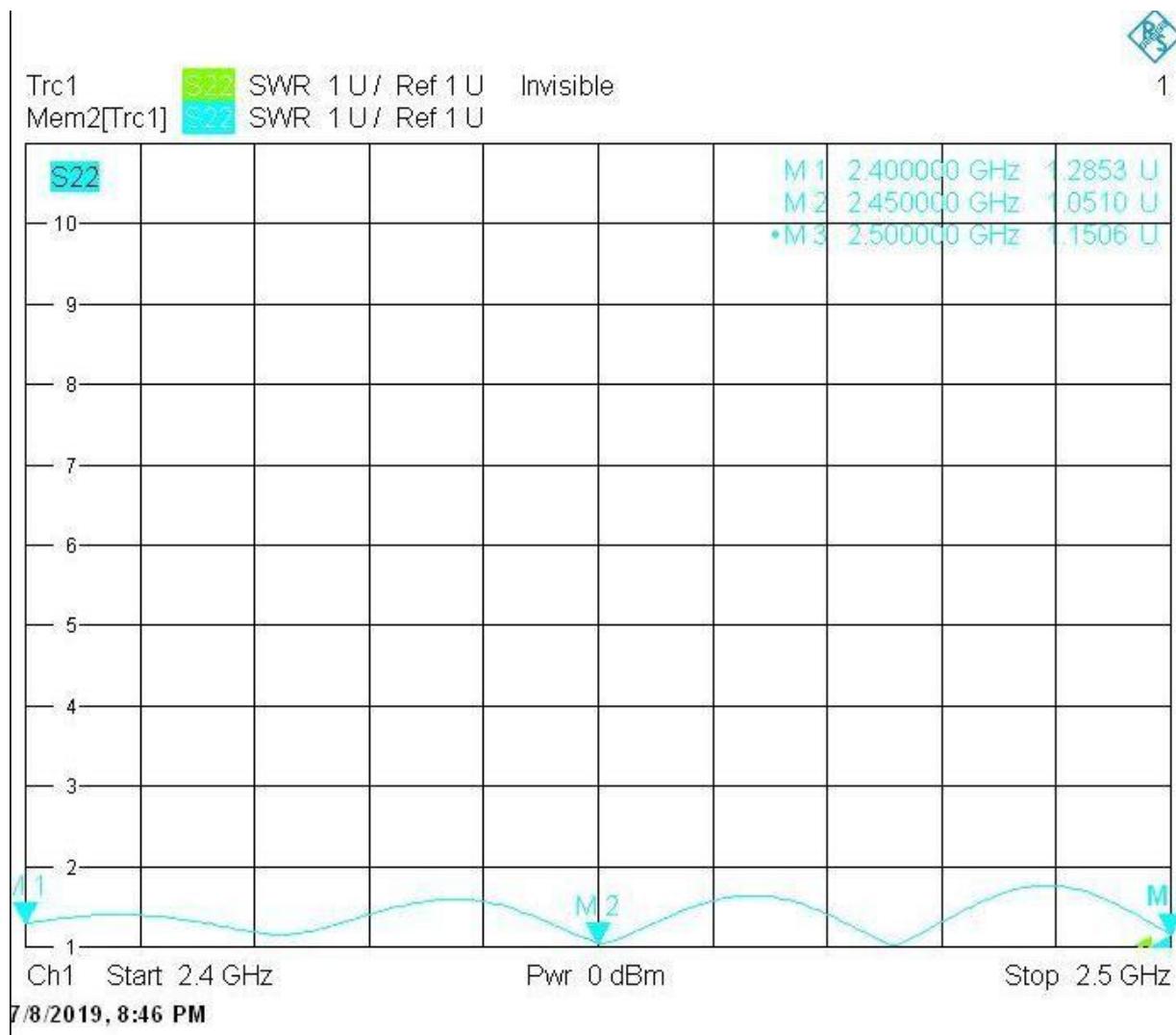


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### 3. STATIONARY WAVE PATTERN

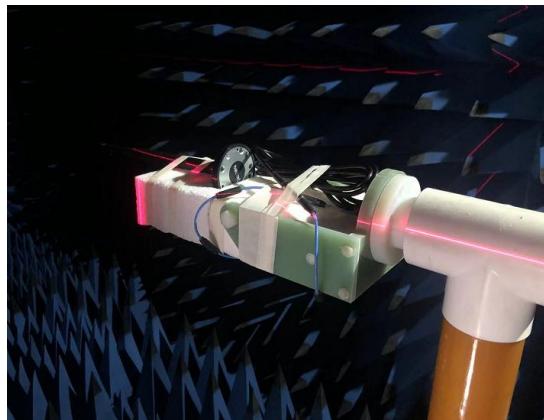
#### SWR



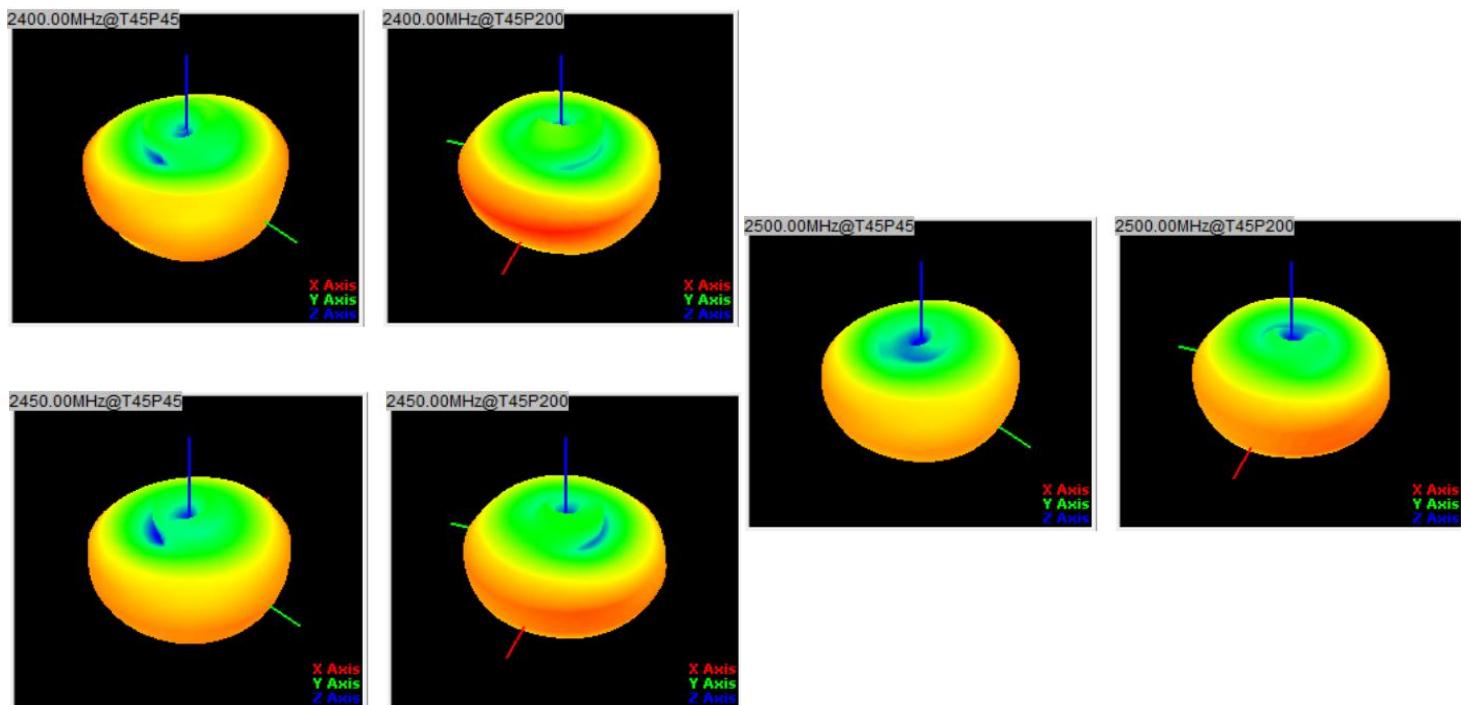
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## Gain, efficiency, radiation direction, test:



FEITUKEJI											
Frequency ID	1	2	3	4	5	6	7	8	9	10	11
Frequency (MHz)	2400.0	2410.0	2420.0	2430.0	2440.0	2450.0	2460.0	2470.0	2480.0	2490.0	2500.0
<b>Point Values</b>											
Ant. Port Input Pwr. (dBm)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tot. Rad. Pwr. (dBm)	<b>-1.27</b>	<b>-0.98</b>	<b>-0.91</b>	<b>-0.89</b>	<b>-1.10</b>	<b>-1.21</b>	<b>-1.21</b>	<b>-1.26</b>	<b>-1.27</b>	<b>-1.17</b>	<b>-1.49</b>
Peak EIRP (dBm)	<b>2.68</b>	<b>2.89</b>	<b>2.93</b>	<b>2.95</b>	<b>2.98</b>	<b>3.00</b>	<b>3.00</b>	<b>2.94</b>	<b>2.93</b>	<b>2.98</b>	<b>2.59</b>
Directivity (dBi)	4.05	4.06	4.05	4.04	4.09	4.14	4.20	4.20	4.19	4.15	4.08
Efficiency (dB)	<b>-1.27</b>	<b>-0.98</b>	<b>-0.91</b>	<b>-0.89</b>	<b>-1.10</b>	<b>-1.21</b>	<b>-1.21</b>	<b>-1.26</b>	<b>-1.27</b>	<b>-1.17</b>	<b>-1.49</b>
Efficiency (%)	<b>74.60</b>	<b>79.90</b>	<b>81.10</b>	<b>81.50</b>	<b>77.60</b>	<b>75.80</b>	<b>75.60</b>	<b>74.70</b>	<b>74.70</b>	<b>76.40</b>	<b>71.00</b>
Gain (dBi)	2.68	2.89	2.93	2.95	2.98	3.00	3.00	2.94	2.93	2.98	2.59


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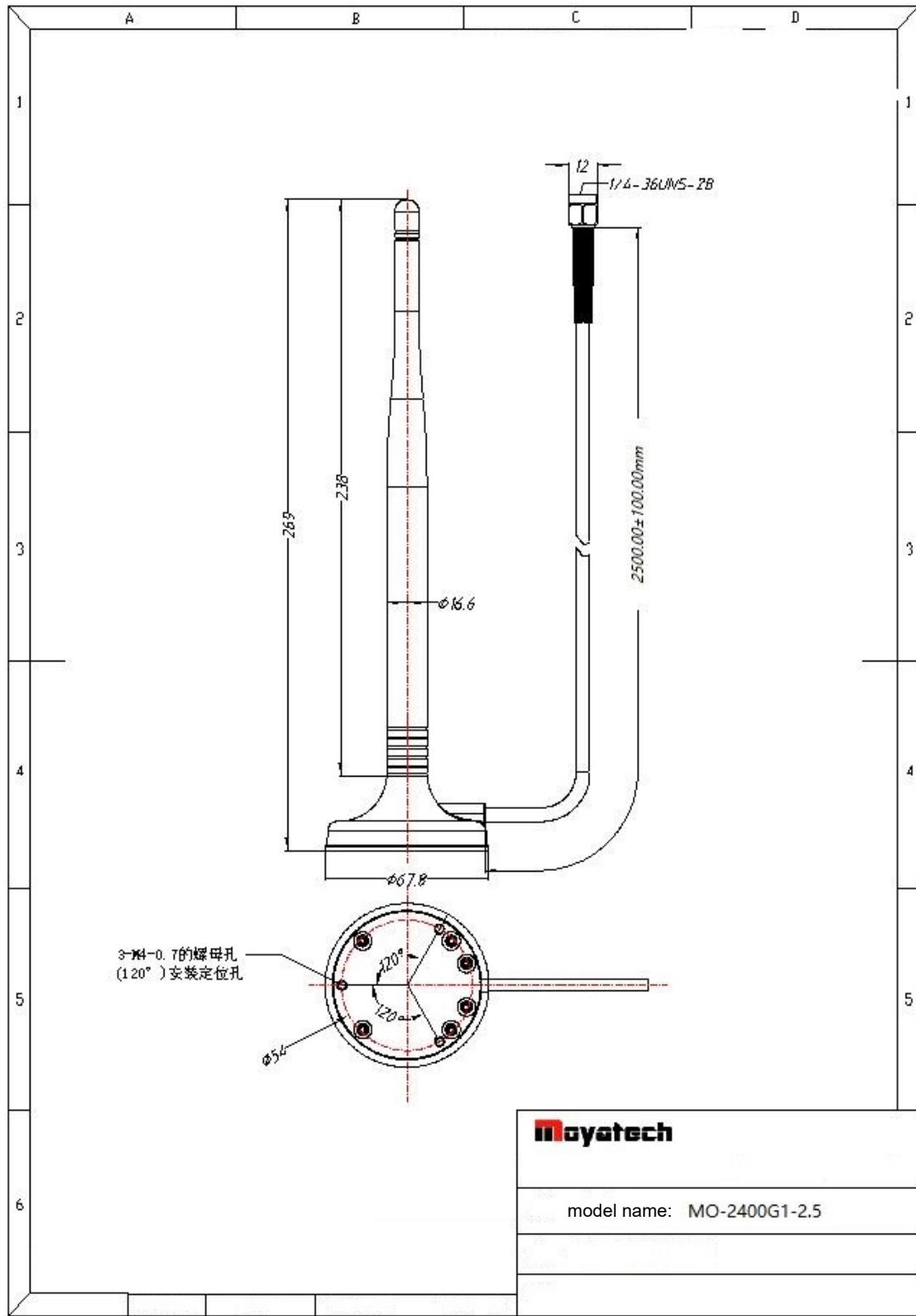
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#### 4、CPK REPORT

MOYA CPK REPORT (A/0)										
Vendor		MOYA			Material Name	MO-2400G1-2.5		Drawing No.	100001056	
Project					Test Environment	10-30°C		Description	A/0	
Product Name		Sucker Antenna			Tester	Bin Wang		Mould Date		
Part No.		MO2400G1-2.5			Date	2022-09-02		Test Mold Date		
Measure					Sample			Test Result		
Dim. Designator	Performance	Nominal	+ Tolerance	- Tolerance	1	2	3	Determine	Reviewer Comment	Tooling
1	General	2500	100	100	2522	2515	2519	OK	Qualified	Tape measure
2	Critical	§ 67.8	1.0	1.0	§ 67.8	§ 67.9	§ 67.9	OK	Qualified	Calipers
3	General	269	5	5	269	269	269	OK	Qualified	Straightedge

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**5. PRODUCT SPECIFICATION DRAWING**[www.moyatech.cn](http://www.moyatech.cn)

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