

# 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 Rang (MHz)	2400-2500MHz
V.S.W.R	$2400 \leq 2.0$ ; $2450 \leq 2.0$ ; $2500 \leq 2.0$ ;
Impedance ( $\Omega$ )	50 $\Omega$
Polarization	Vertical Polarization
<b>Main Structure Specifications</b>	
Size (mm)	$\varnothing 67.8 \times 269$
Length	RG50-3/2500mm (Anti-UV)
Connector Type	SMA
Color	Black (Anti-UV)

## 2、PRODUCT PICTURE

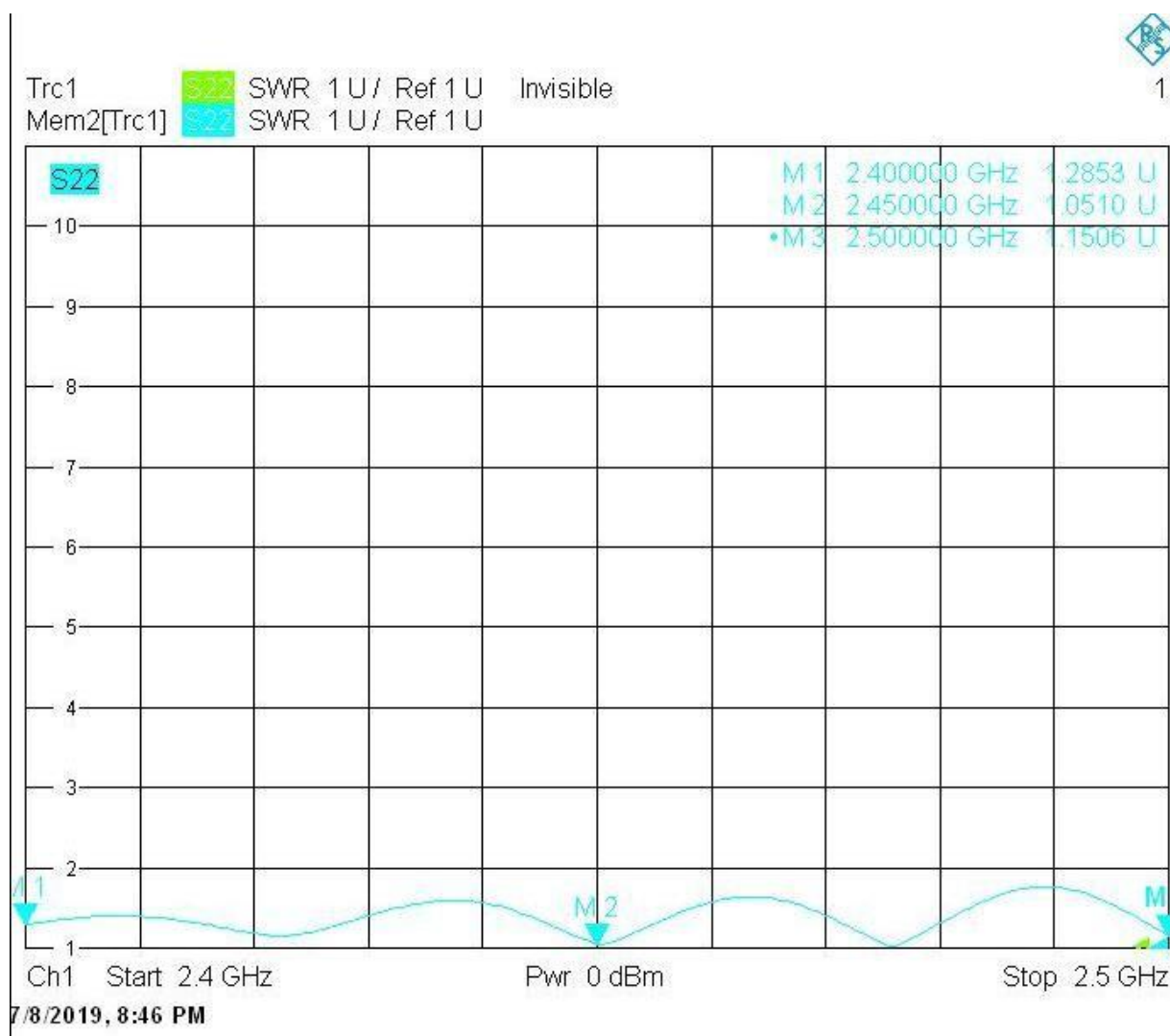


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### 3、STATIONARY WAVE PATTERN

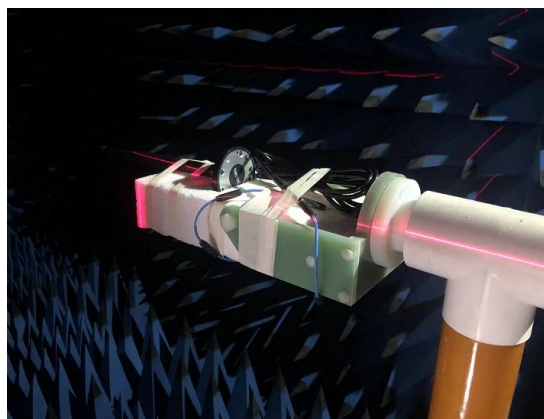
#### SWR



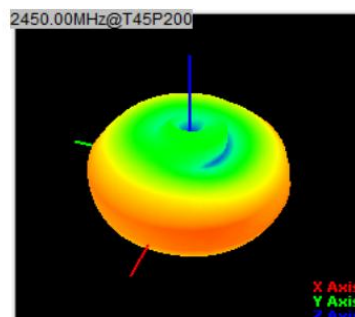
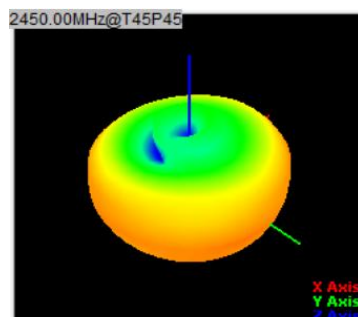
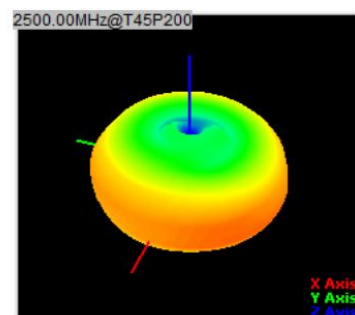
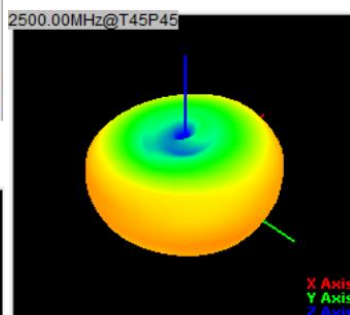
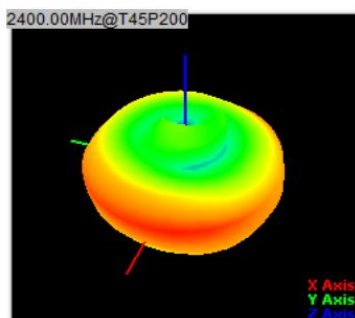
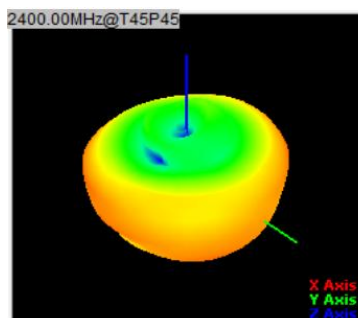
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Gain, efficiency, radiation direction, test:



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
Point Values											
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)	-1.27	-0.98	-0.91	-0.89	-1.10	-1.21	-1.21	-1.26	-1.27	-1.17	-1.49
Peak EIRP (dBm)	2.68	2.89	2.93	2.95	2.98	3.00	3.00	2.94	2.93	2.98	2.59
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)	-1.27	-0.98	-0.91	-0.89	-1.10	-1.21	-1.21	-1.26	-1.27	-1.17	-1.49
Efficiency (%)	74.60	79.90	81.10	81.50	77.60	75.80	75.60	74.70	74.70	76.40	71.00
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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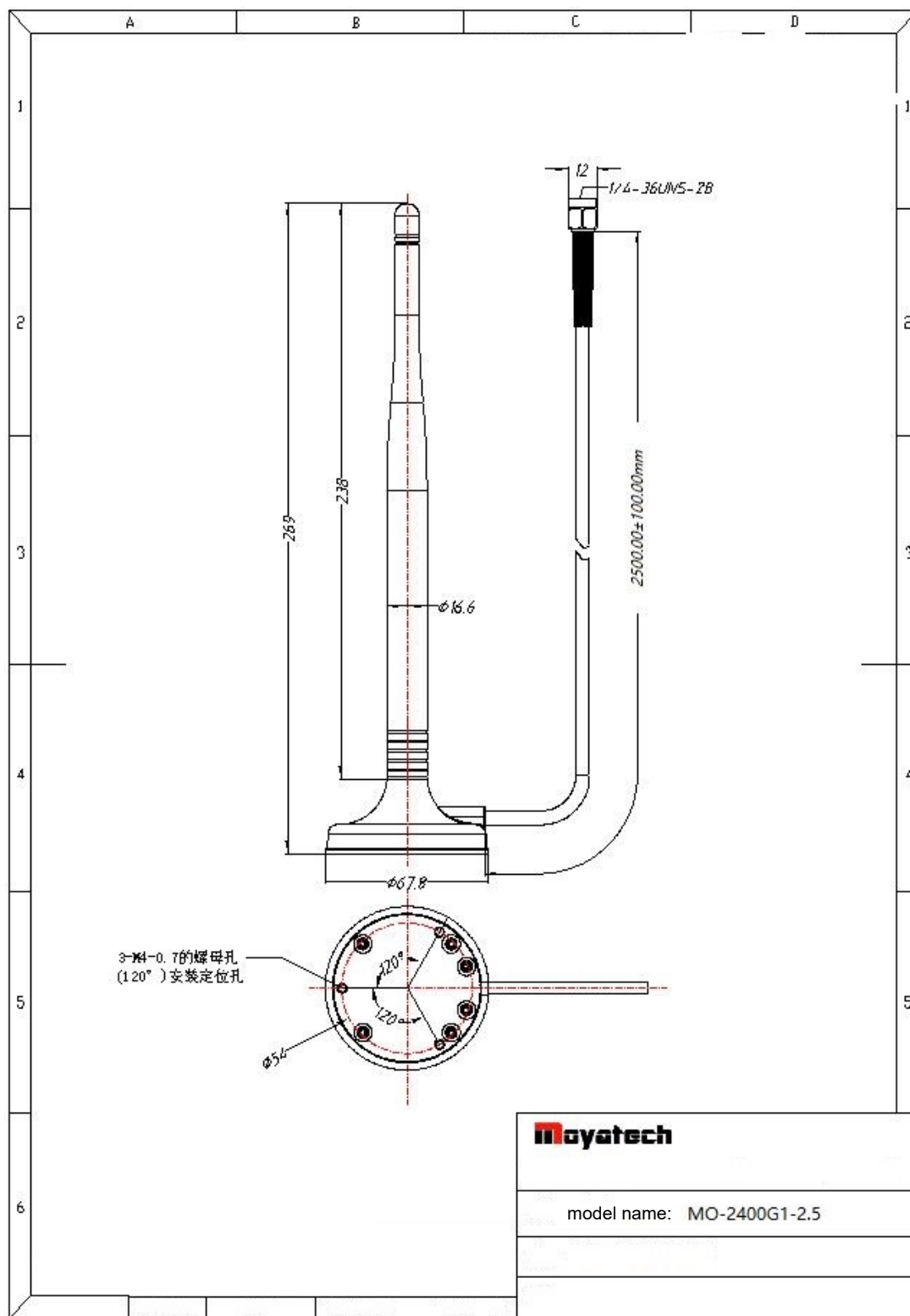
#### 4、CPK REPORT

MOYA CPK REPORT (A/0)												
Vendor		MOYA			Material Name		MO-2400G1-2.5		Drawing No.		100001056	
Project					Test Environment		10-30℃		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	φ 67.8	1.0	1.0	φ 67.8	φ 67.9	φ 67.9	OK	Qualified	Calipers		
3	General	269	5	5	269	269	269	OK	Qualified	Straightedge		

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## 5、PRODUCT SPECIFICATION DRAWING



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