

1. Specification

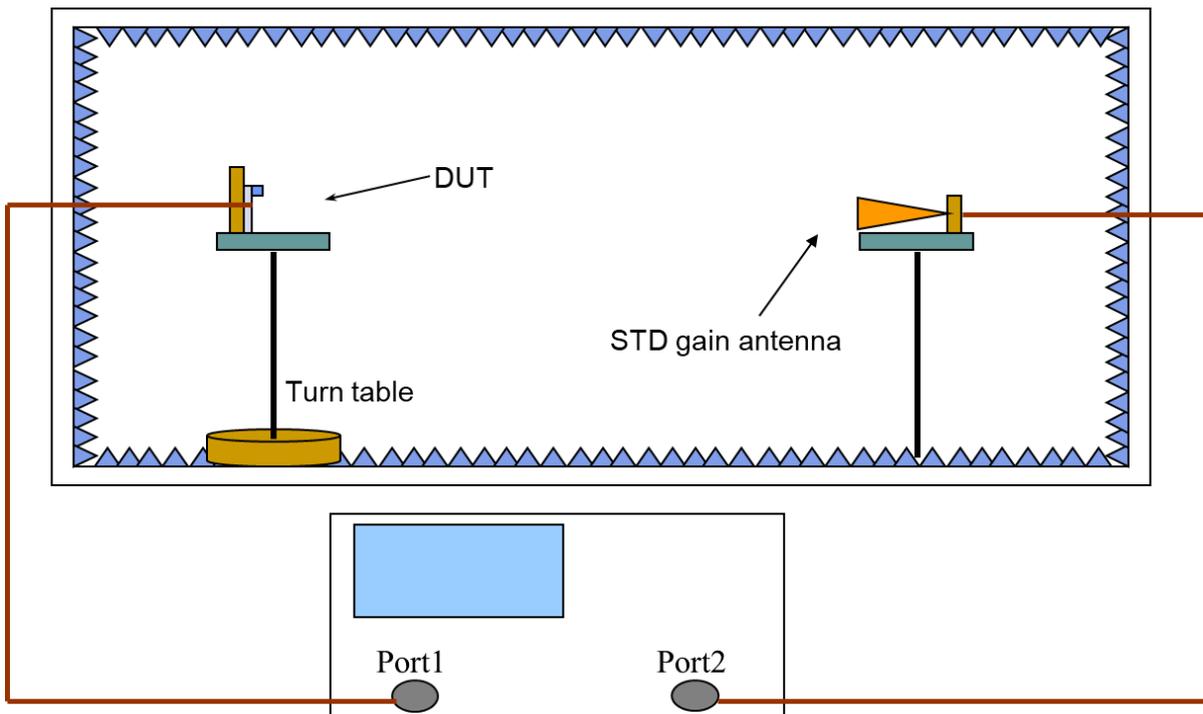
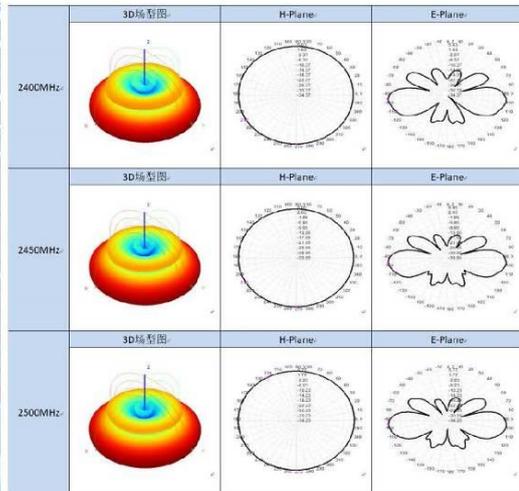
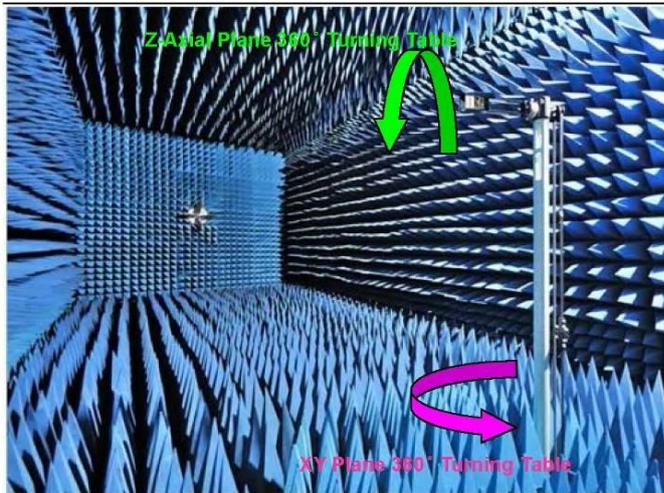
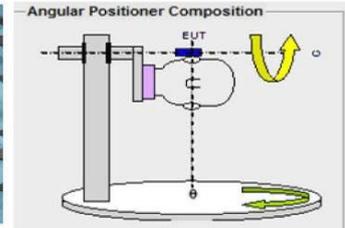
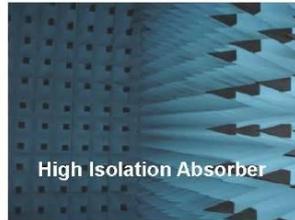
Sample Photo	
	
A. Electrical Characteristics	
Frequency	2000-2500MHz
Impedance	50 Ohm
S.W.R.	<2.0
Antenna Gain	24dBi
Polarization	Vertical
Horizontal Beamwidth(3dB)	9±3 °
Vertical Beamwidth(3dB)	12±3 °
Front-to-Back Ratio	>24dB
Max Power	30W
B. Material & Mechanical Characteristics	
Connector Type	N Male connector
Cable	RG303, Length:30CM
Dimension	900*600mm
Weight	3Kg
Dish material	Die cast Aluminum
C. Environmental	
Operation Temperature	- 40 °C ~ + 80 °C
Storage Temperature	- 40 °C ~ + 80 °C
Rated Wind Velocity	36.9m/s

Test Equipment & Conditions

1. Network Analyzer: Keysight E5071C

2. 3D Chamber Test System

- .Chamber Size: 9 x 5 x 4 m³
- .Freq. Range: 0.4 ~ 18.0 GHz
- .Double Ridge Horn Antenna
- .VNA: Agilent E5071C
- .3D Turning Table and Positioner
- .ADT Solution 3D Testing Software



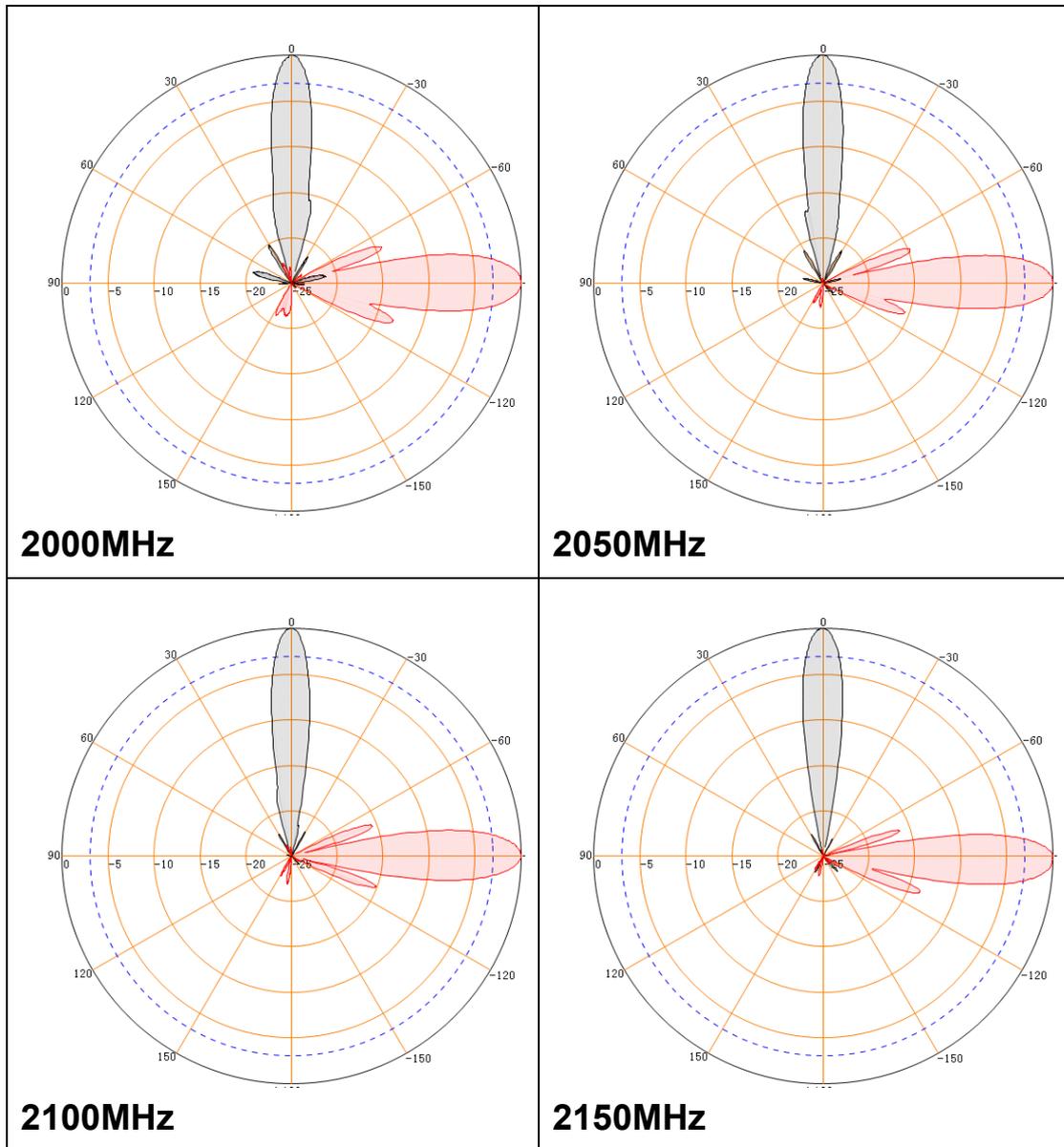
Product Number: BGS-AN2000-900600G
 Product Name: 2.0-2.5GHZ 24dBi Grid Antenna

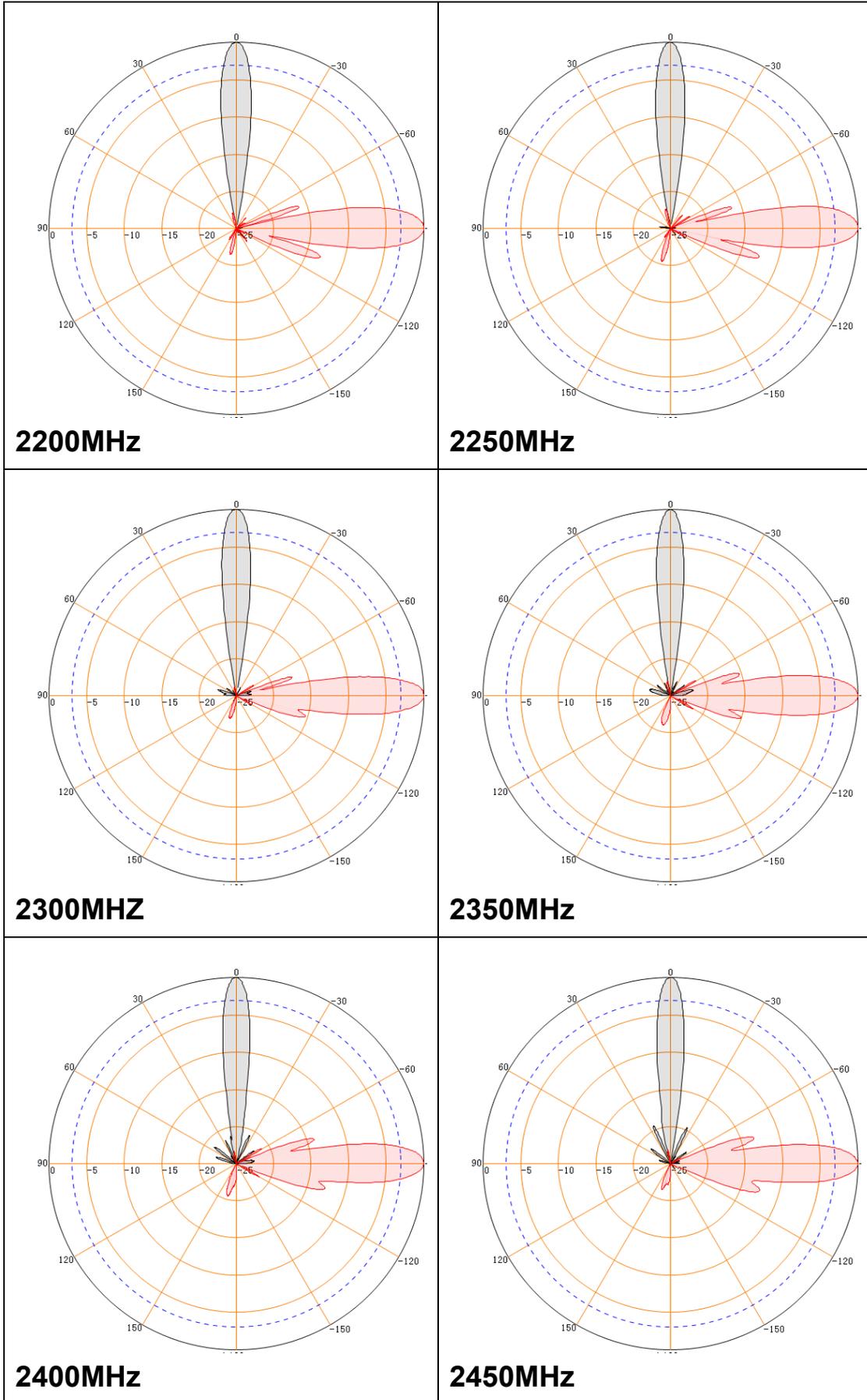
2. Antenna - S Parameter Test Data

2.1. VSWR

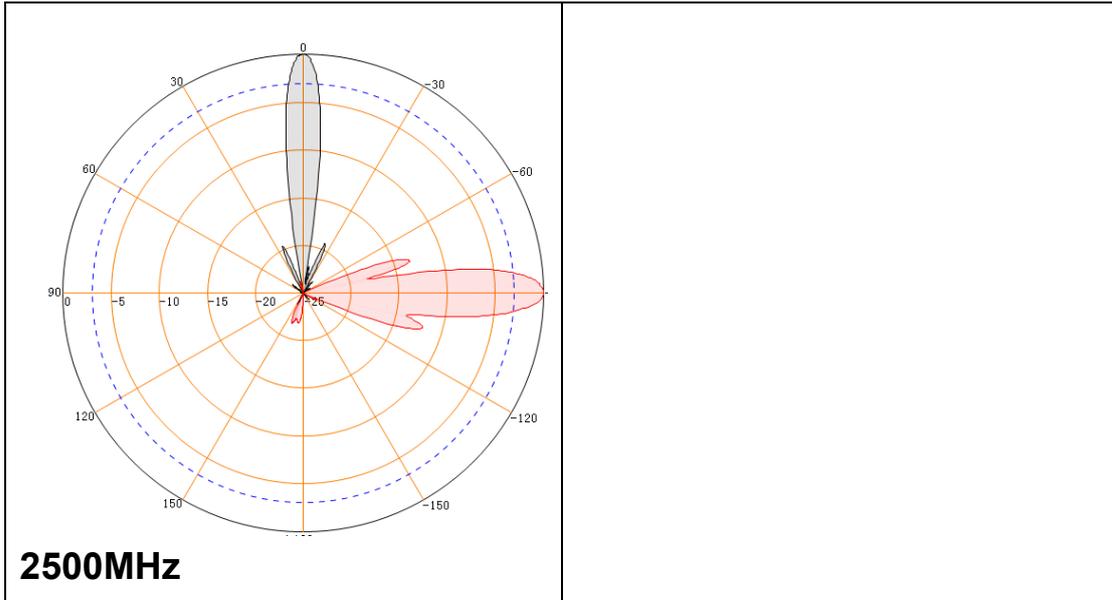


2.2 Radiation Pattern



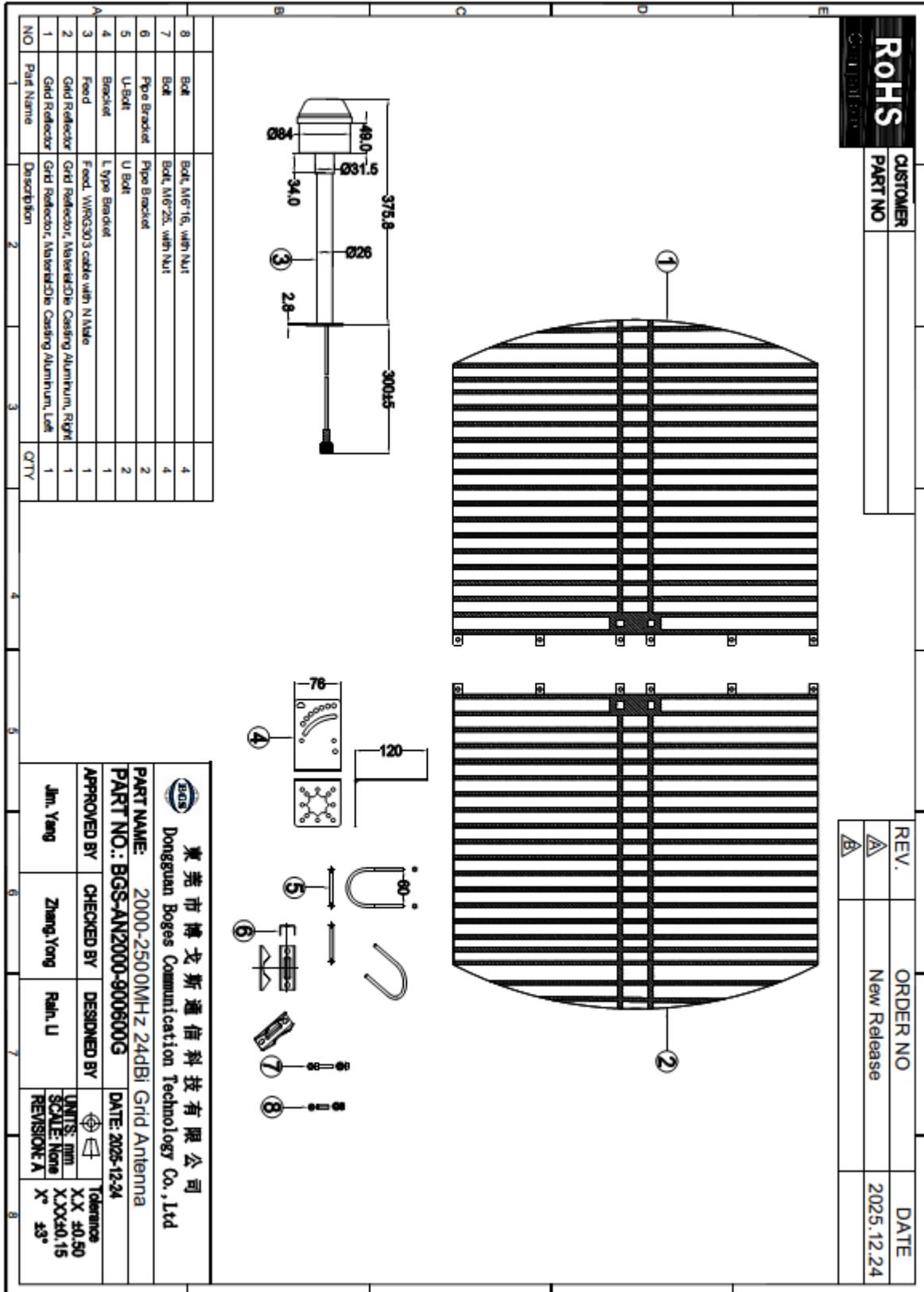


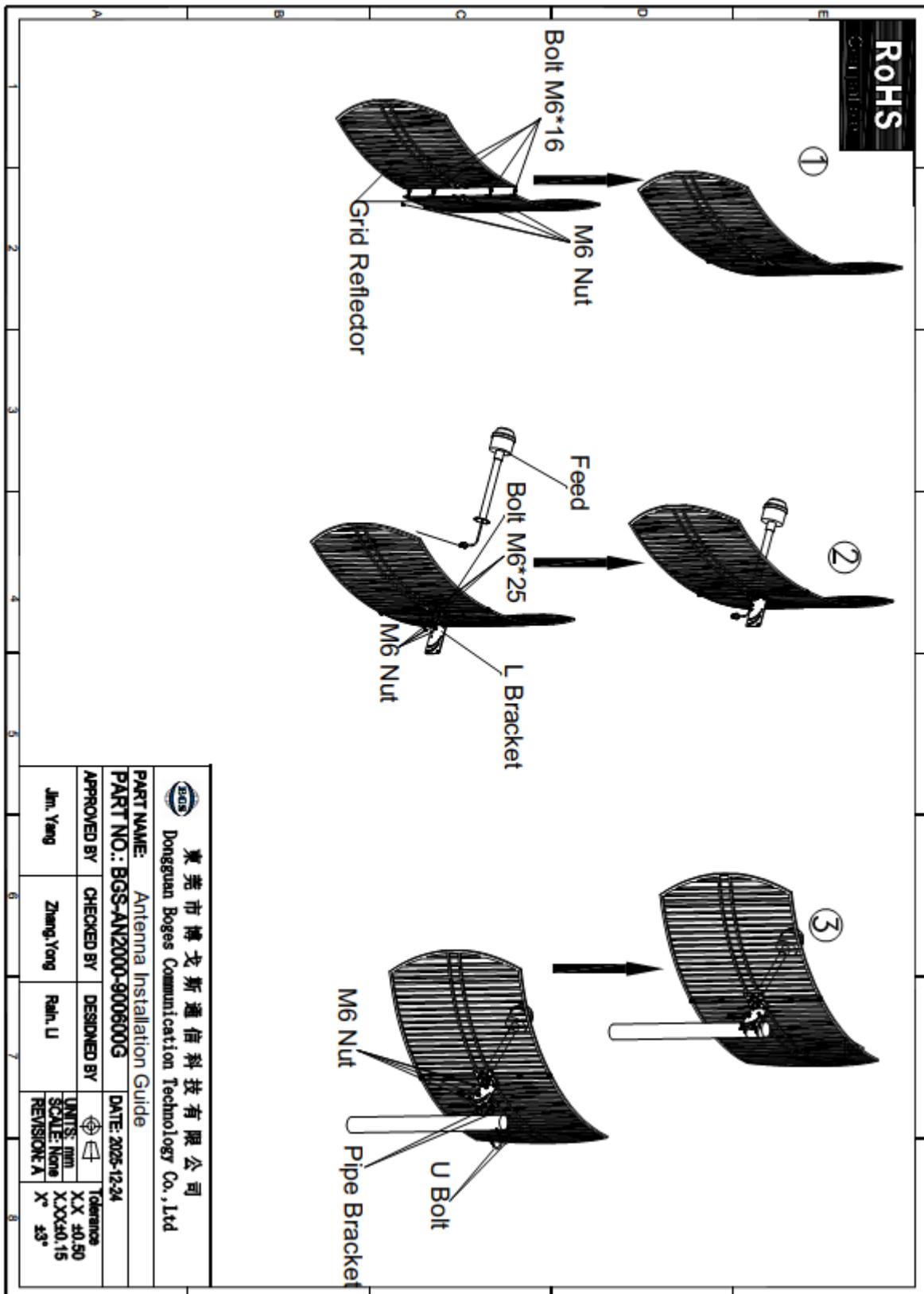
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3. Mechanical Drawing





东莞市博戈斯通信科技有限公司 Dongguan Boges Communication Technology Co., Ltd		Antenna Installation Guide	
PART NAME:		DATE: 2025-12-24	
PART NO.: BGS-AN2000-900600G		Tolerance XX ±0.50 XX±0.15 X° ±3°	
APPROVED BY: Jin Yang	CHECKED BY: Zhang Yong	DESIGNED BY: Rui Li	UNITS: mm SCALE: None REVISION: A