



Product Number: BGS-AN7500-18618628G  
Product Name: 6800-7500MHZ Flat Panel Antenna 19dBi

## 1. Specification

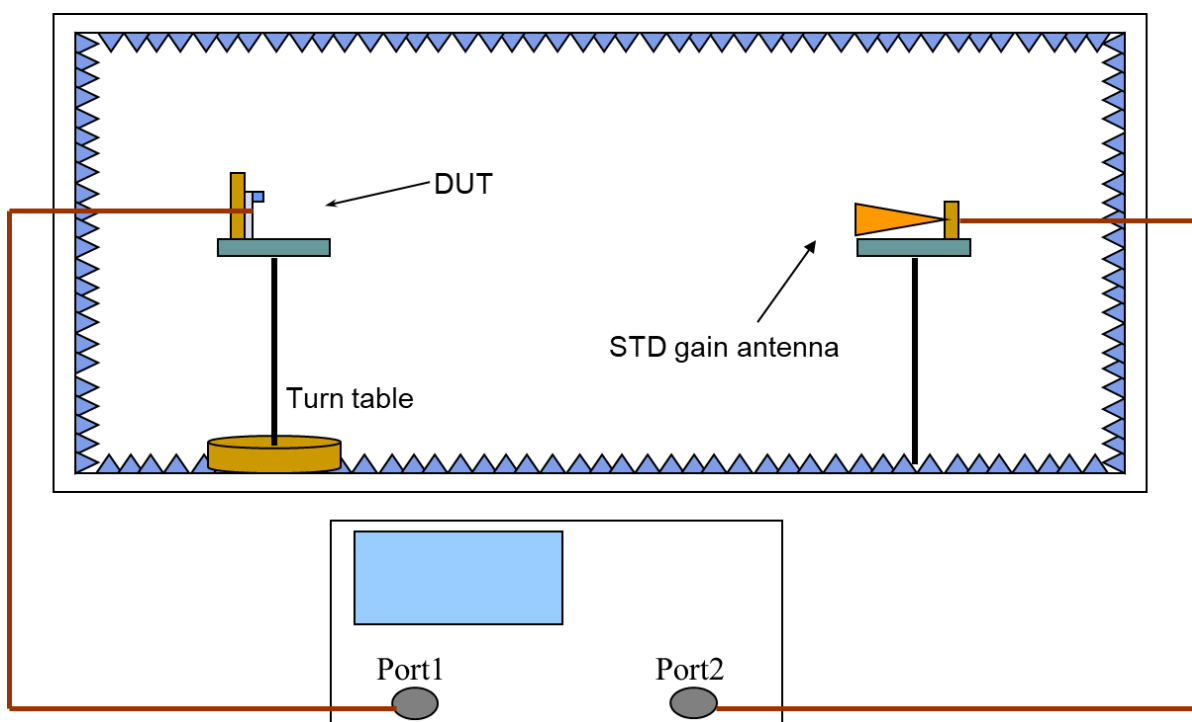
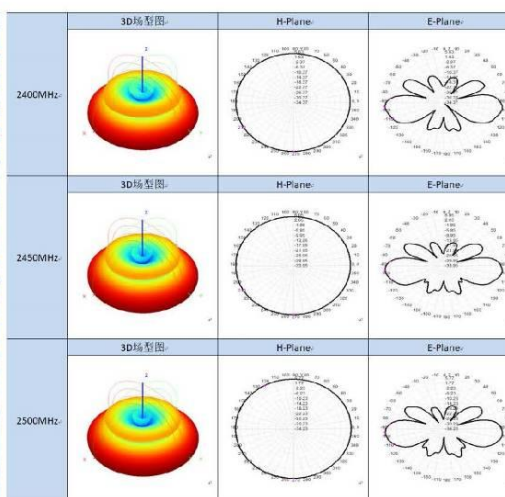
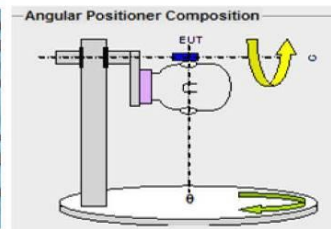
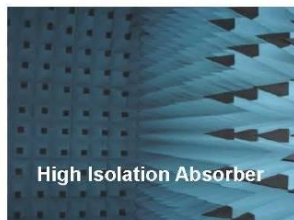
Sample Photo	
	
A. Electrical Characteristics	
Frequency	6800-7500MHz
S.W.R.	<2.0
Antenna Gain	17-19dBi
Polarization	Vertical
Horizontal Beamwidth	12-14°
Vertical Beamwidth	11-14°
F/B	29-37dB
Impedance	50Ohm
Max. Power	50W
B. Material & Mechanical Characteristics	
Connector Type	N connector
Dimension	186*186*28mm
Radome material	ABS
Mount Pole	∅30-∅50
Weight	0.37Kg
C. Environmental	
Operation Temperature	- 40 °C ~ + 85 °C
Storage Temperature	- 40 °C ~ + 85 °C
Operation Humidity	< 95%
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 m<sup>3</sup>
- .Freq. Range: 0.4 ~ 18.0 GHz
- .Double Ridge Horn Antenna
- .VNA: Agilent E5071C
- .3D Turning Table and Positioner
- .ADT Solution 3D Testing Software





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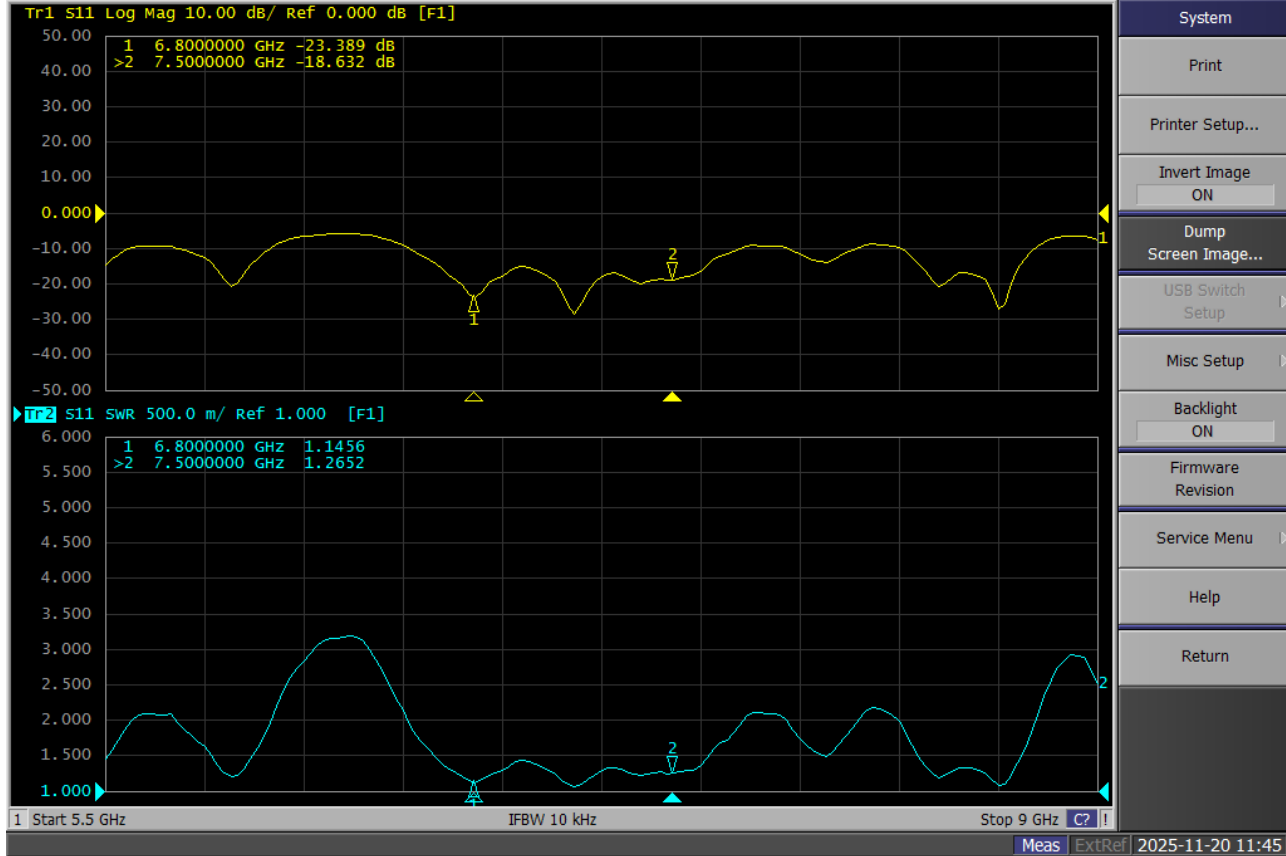
## 2. Antenna - S Parameter Test Data

### 2.1 VSWR

E5063A Network Analyzer

1 Active Ch/Trace 2 Response 3 Stimulus 4 Mkr/Analysis 5 Instr State

Resize





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## 2.2 Gain:

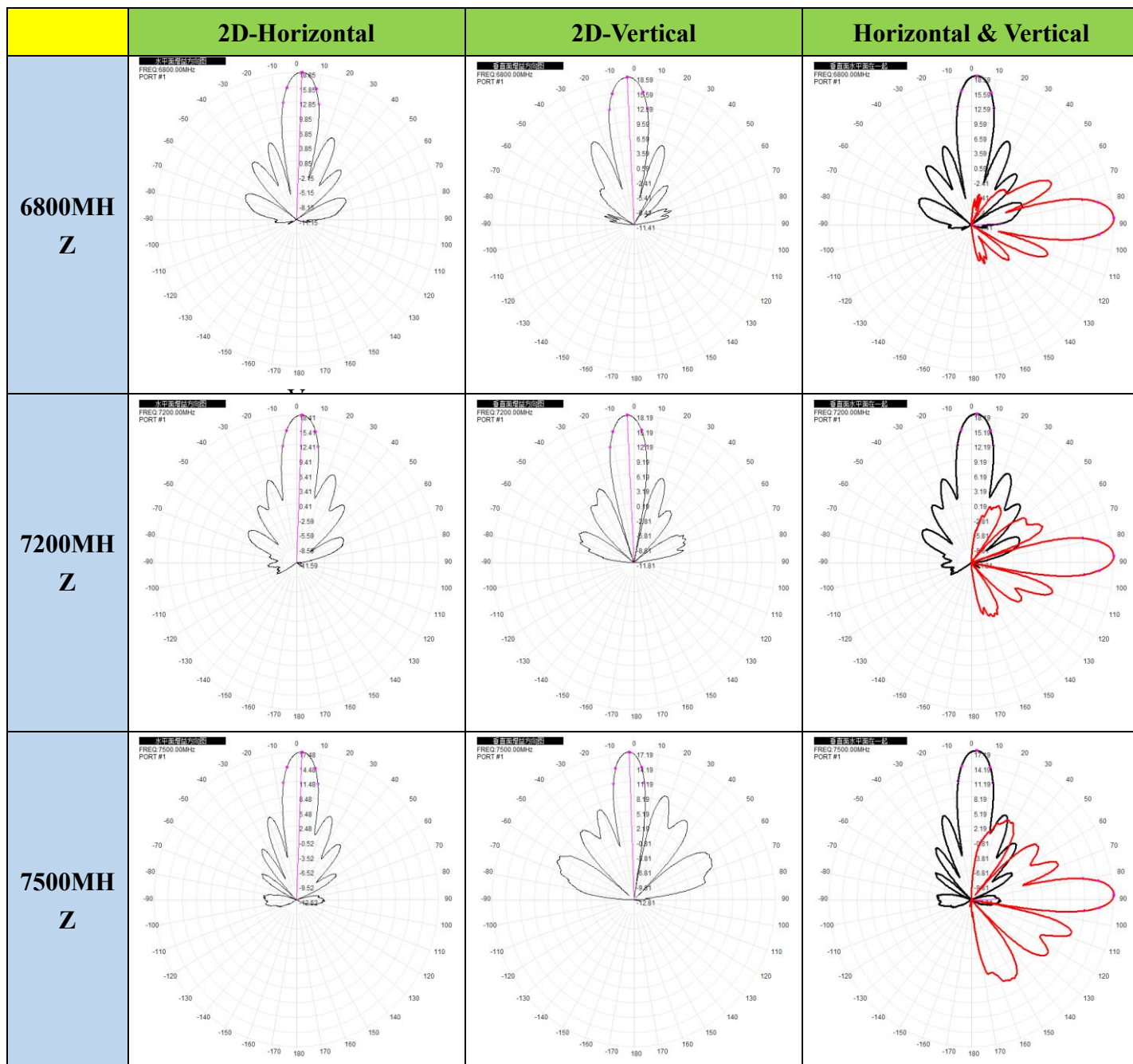
Frequency(MHz)	Gain(dBi)
6800	18.9
6850	18.0
6900	18.4
6950	19.1
7000	18.7
7050	18.5
7100	18.9
7150	18.3
7200	18.4
7250	18.1
7300	18.2
7350	18.1
7400	18.3
7450	17.1
7500	17.5



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## 2.3 Radiation Pattern

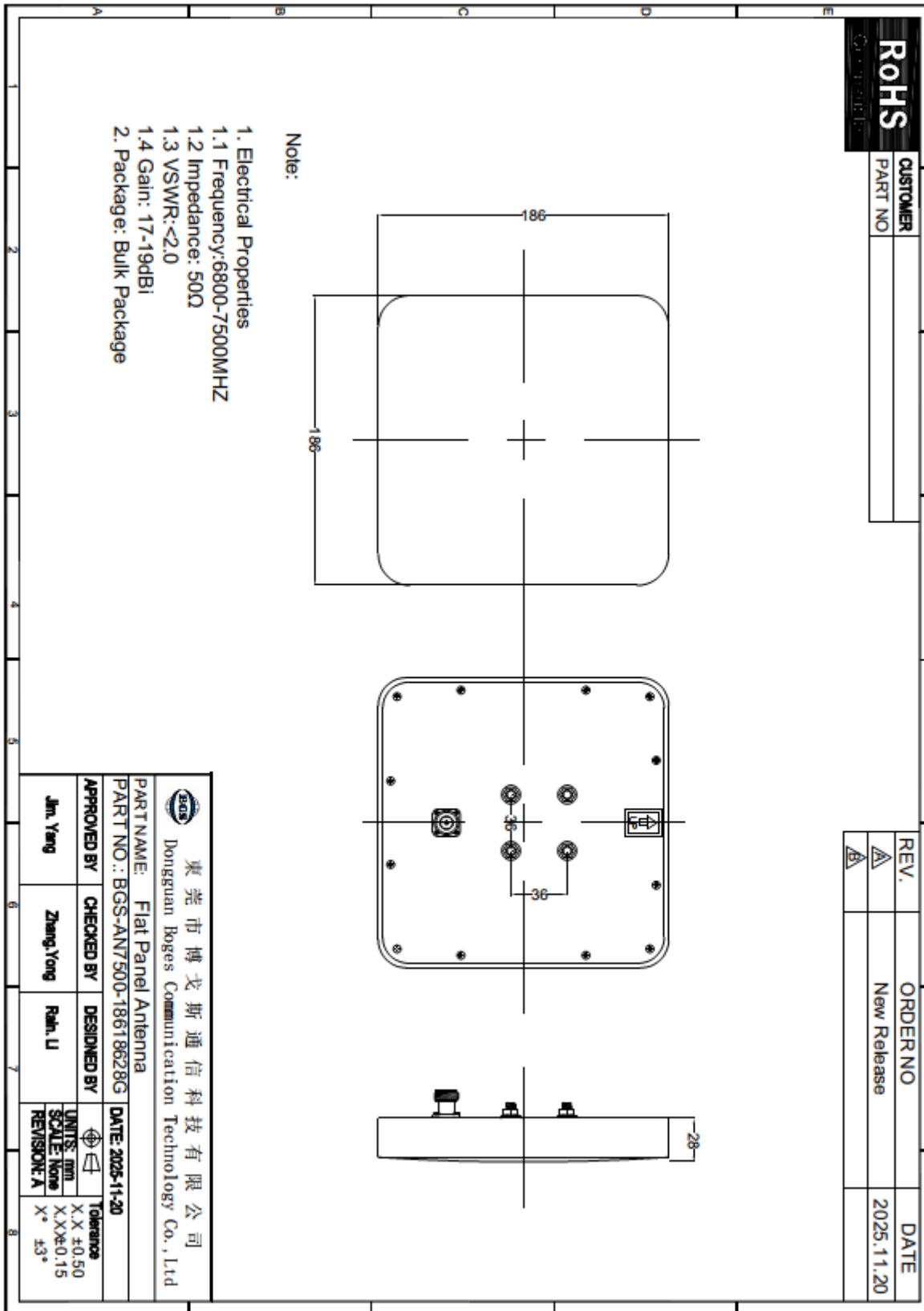




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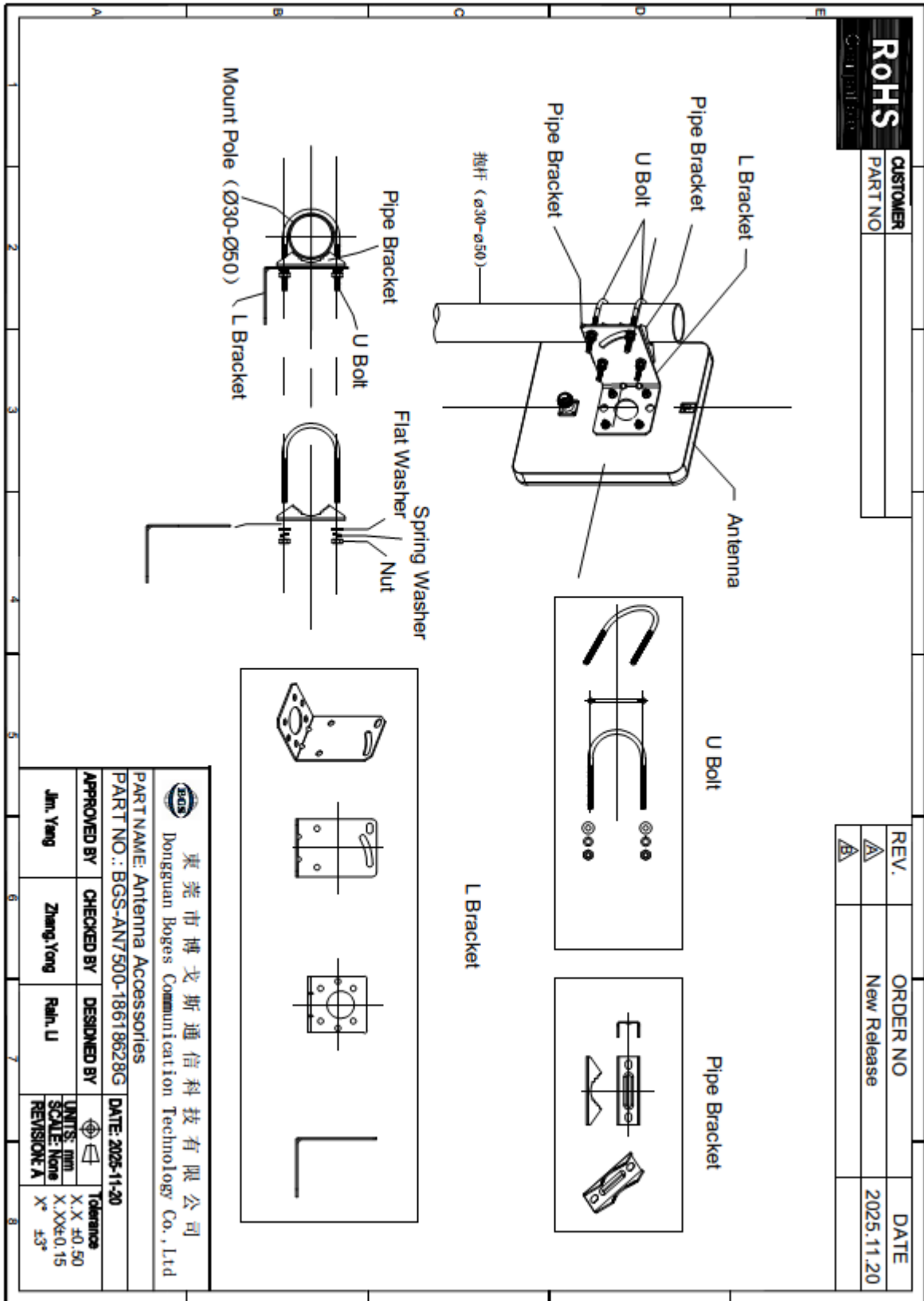
### 3. Mechanical Drawing





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东莞市博戈斯通信科技有限公司 Dongguan Boges Communication Technology Co., Ltd			
PARTNAME: Antenna Accessories			
PART NO.: BGS-AN7500-18618628G		DATE: 2025-11-20	
APPROVED BY	CHECKED BY	DESIGNED BY	Tolerance
Jin Yang	Zhang Yong	Rain U	X.X ±0.50 X.XX ±0.15 X° ±3°
UNITS: mm	SCALE: None	REVISION: A	