




Product Number: BGS-AN1710-90028080G
Product Name: Base Station Antenna 1710-1880MHz 18dBi

1. Specification

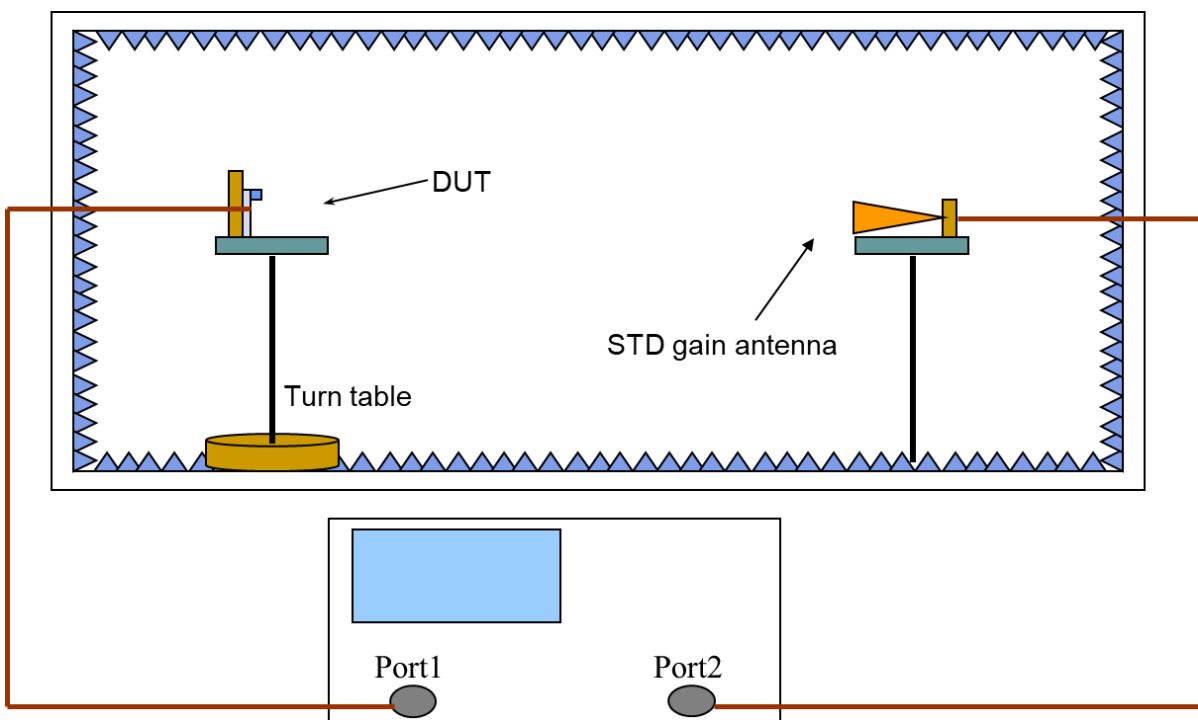
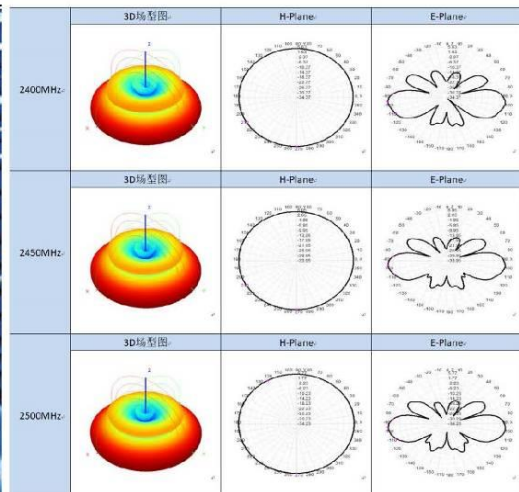
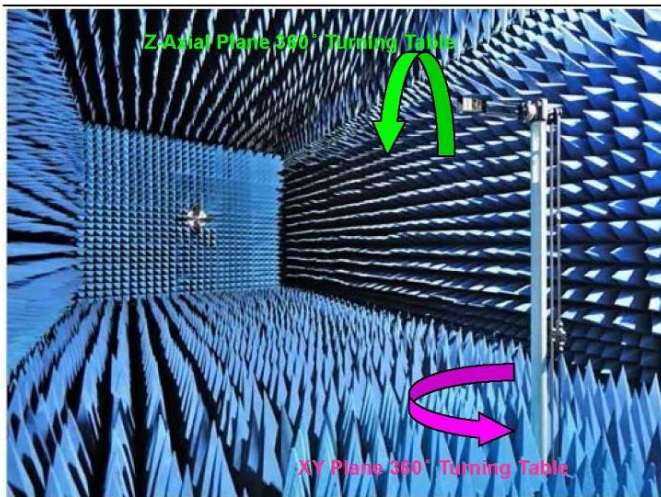
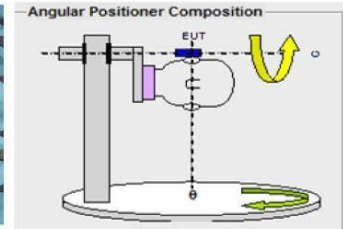
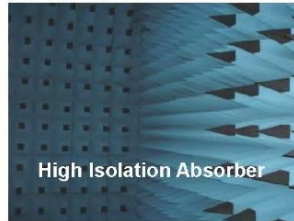
Sample Photo	
	
A. Electrical Characteristics	
Frequency	1710-1880MHz
S.W.R.	≤ 1.5
Antenna Gain	18dBi
Polarization	Vertical
Horizontal Beamwidth	33-38°
Vertical Beamwidth	9-11°
F/B	>24dB
Impedance	50Ohm
Max. Power	100W
B. Material & Mechanical Characteristics	
Connector Type	N connector
Dimension	900*280*80mm
Radome material	Upvc
Mount Pole	$\varnothing 50$ - $\varnothing 90$
Weight	7.7Kg
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 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



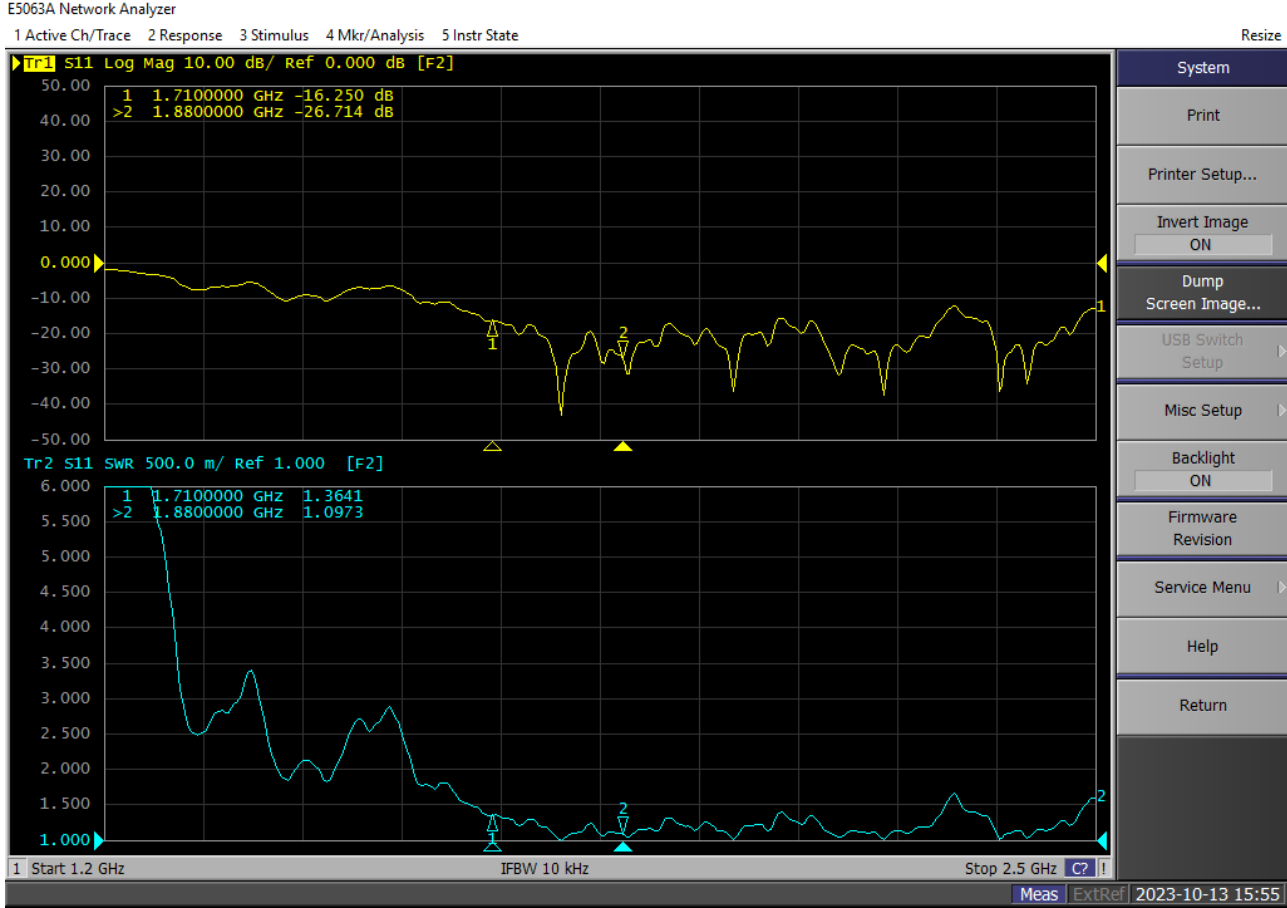


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2. Antenna - S Parameter Test Data

2.1 VSWR





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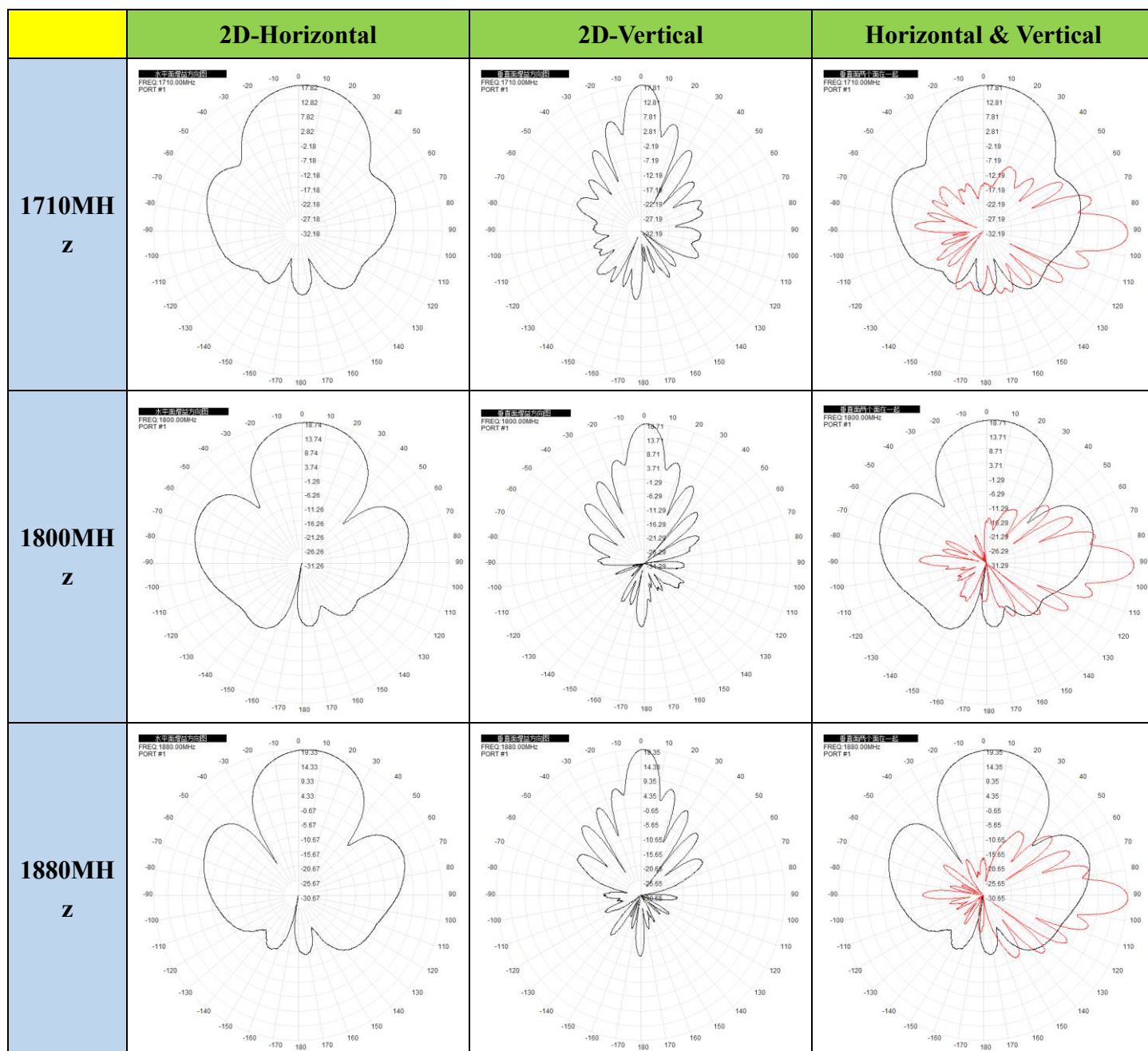
2.2 Gain:

Frequency(MHz)	Gain(dBi)
1710	17.8
1720	17.9
1730	18.3
1740	18.3
1750	18.4
1760	18.7
1770	18.2
1780	18.7
1790	18.7
1800	18.7
1810	18.9
1820	18.9
1830	18.9
1840	19.0
1850	18.9
1860	19.0
1870	19.2
1880	19.3



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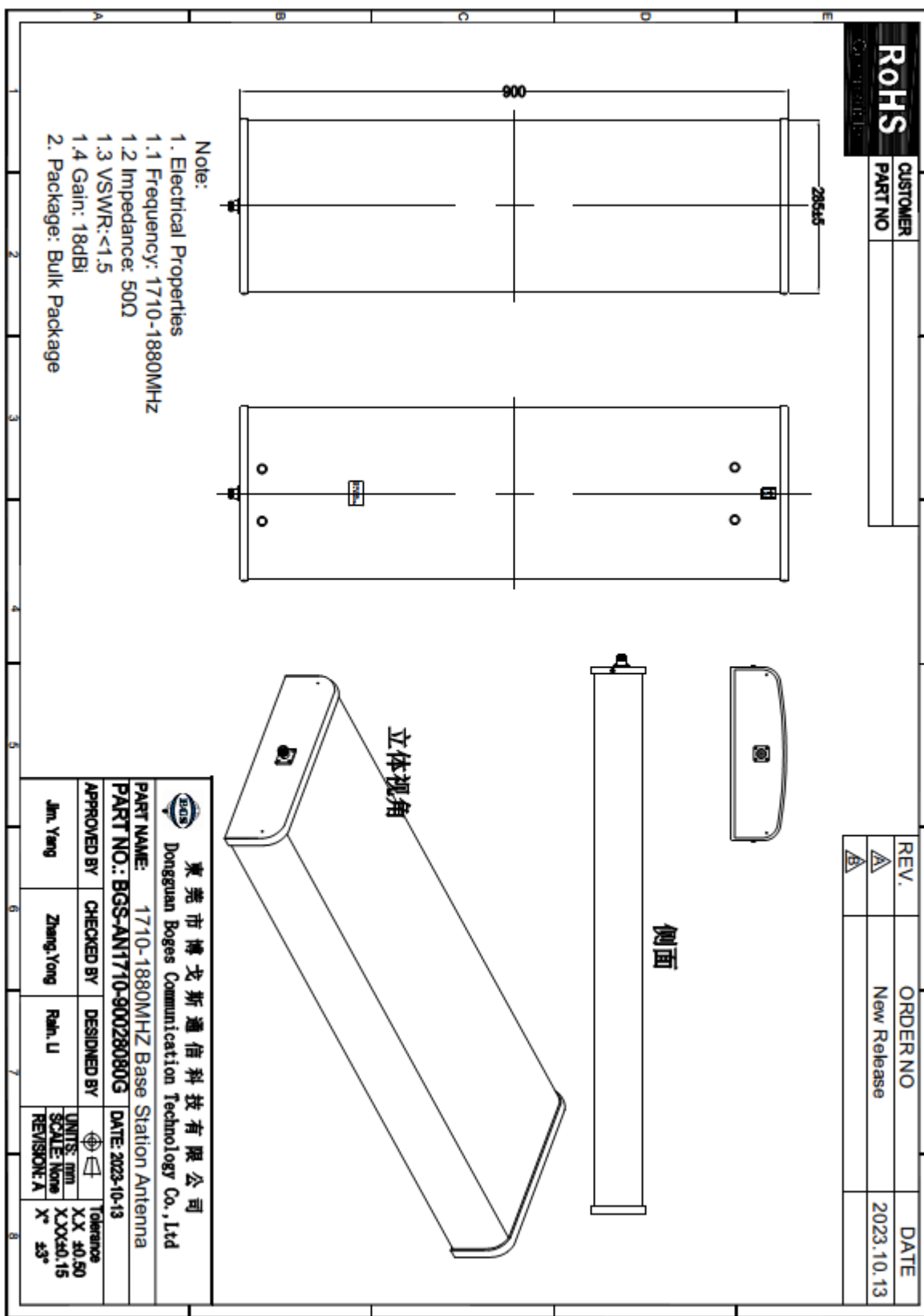
2.3 Radiation Pattern





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3. Mechanical Drawing





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RoHS		CUSTOMER	PART NO	REV.	ORDER NO	DATE
				A	New Release	2023.10.13

		东莞市博文斯通信科技有限公司 Dongguan Boges Communication Technology Co., Ltd	
PART NAME: Antenna Accessories			
PART NO.: BGS-AN1710-90028080G			
APPROVED BY	CHECKED BY	DESIGNED BY	DATE: 2023-10-13
Jin, Yang	Zhang, Yong	Rui, Li	
UNITS: mm	SCALE: None	TOLERANCE	X.X ±0.50
REVISION: A		X°	±0.15
		X°	±3°