


Product Number: BGS-AN3700-18618628G

Product Name: 3.7-4.2Ghz UWB Flat Panel Antenna 14dBi

1. Specification

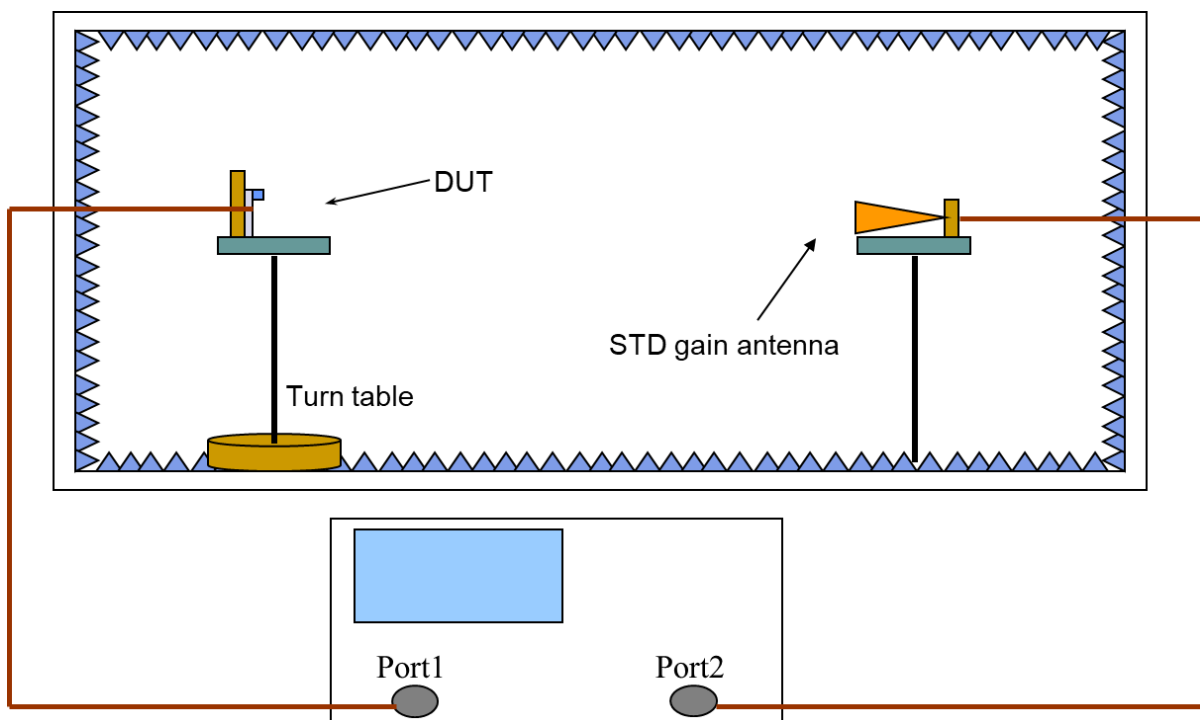
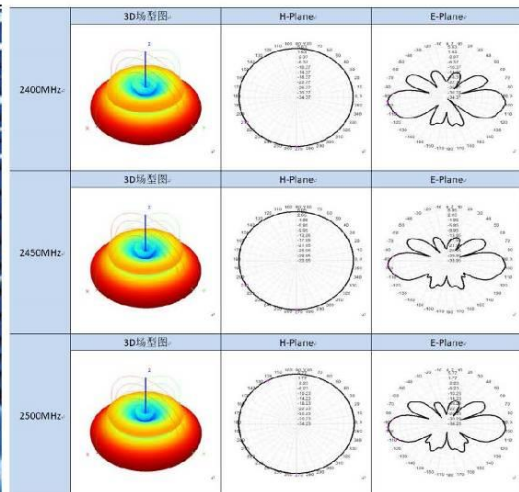
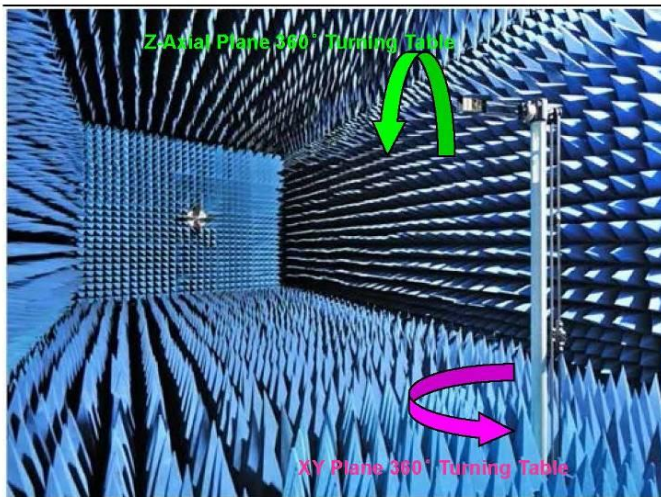
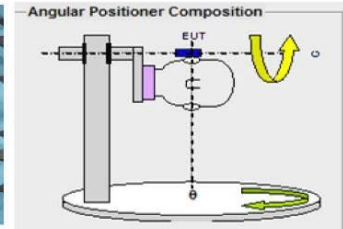
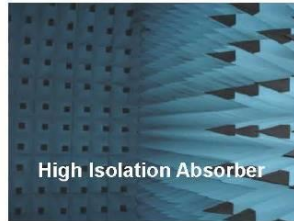
Sample Photo	
	
A. Electrical Characteristics	
Frequency	3700-4200MHz
S.W.R.	<= 1.8
Antenna Gain	14dBi
Polarization	Vertical
Horizontal Beamwidth	33-44°
Vertical Beamwidth	32-39°
F/B	>25dB
Impedance	50Ohm
Max. Power	50W
B. Material & Mechanical Characteristics	
Connector Type	N connector
Dimension	186*186*28mm
Radome material	ABS
Weight	0.835Kg
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

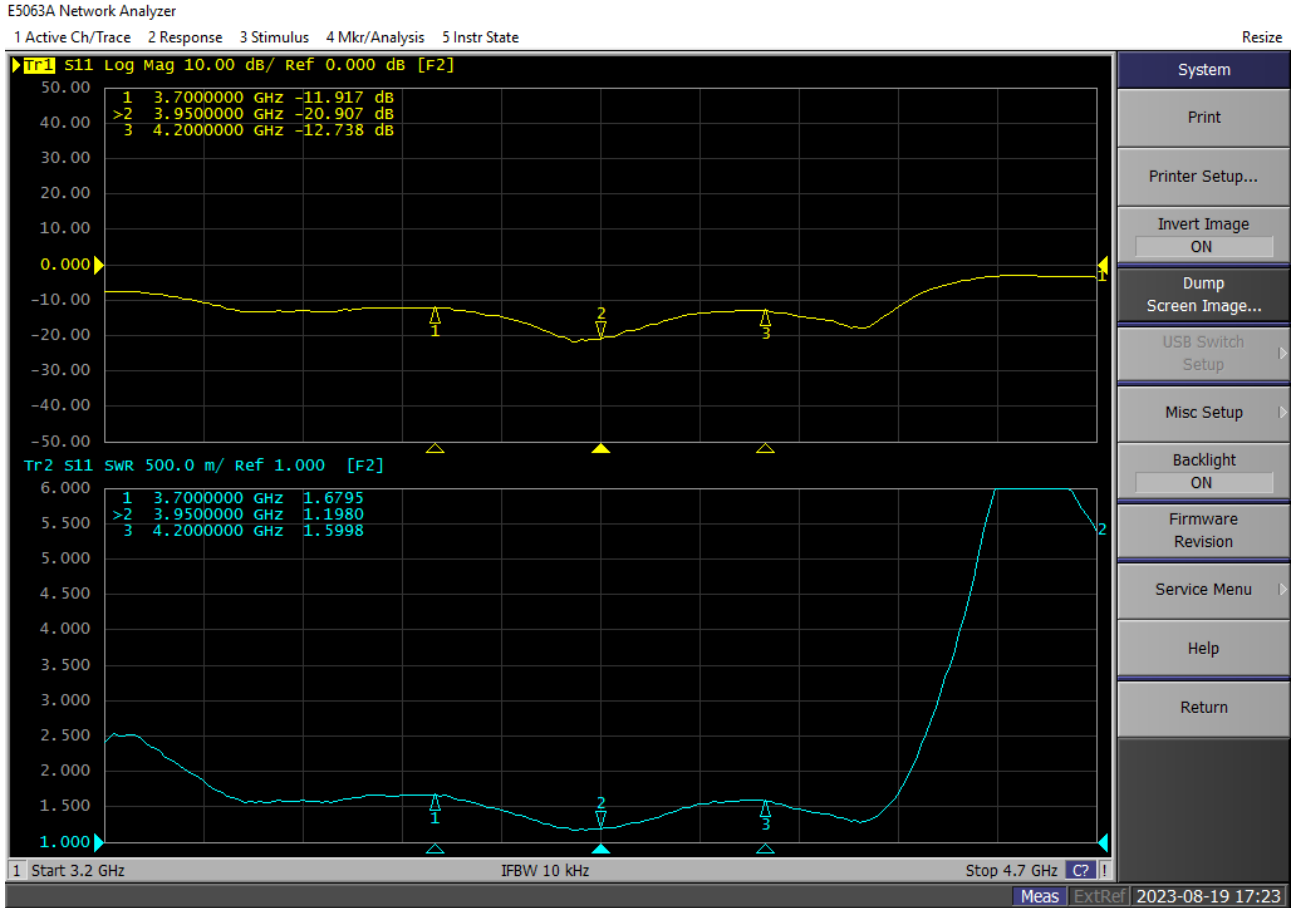




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2. Antenna - S Parameter Test Data

2.1 VSWR





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2.2 Gain:

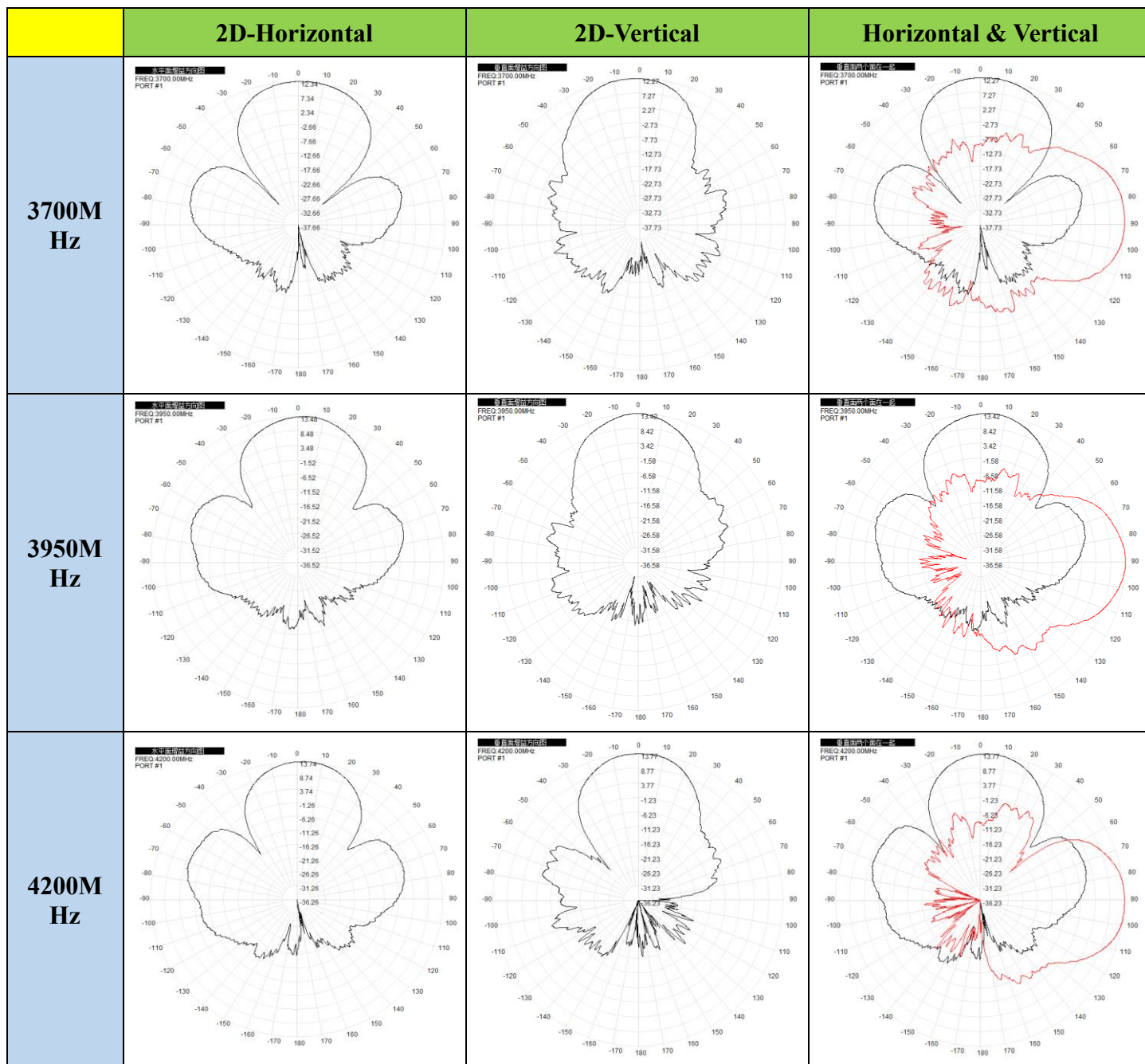
Frequency(MHz)	Gain(dBi)
3700	12.3
3750	12.5
3800	13.1
3850	13.3
3900	13.6
3950	13.5
4000	13.5
4050	13.9
4100	13.8
4150	13.6
4200	13.8



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2.3 Radiation Pattern

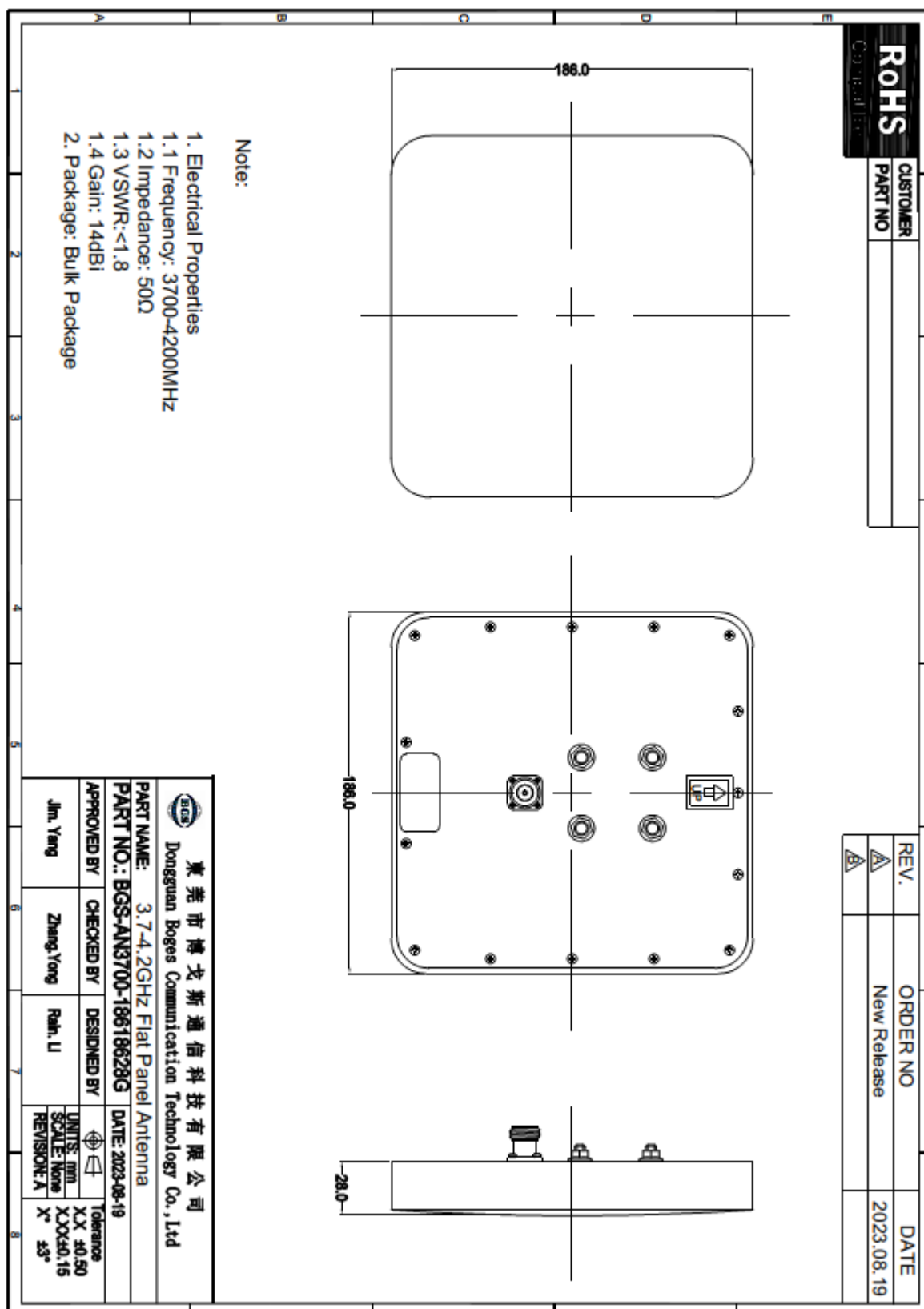




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3. Mechanical Drawing



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