




Product Number: BGS-AN0433-25625640G
Product Name: 433Mhz Flat Panel Antenna 5dBi

1. Specification

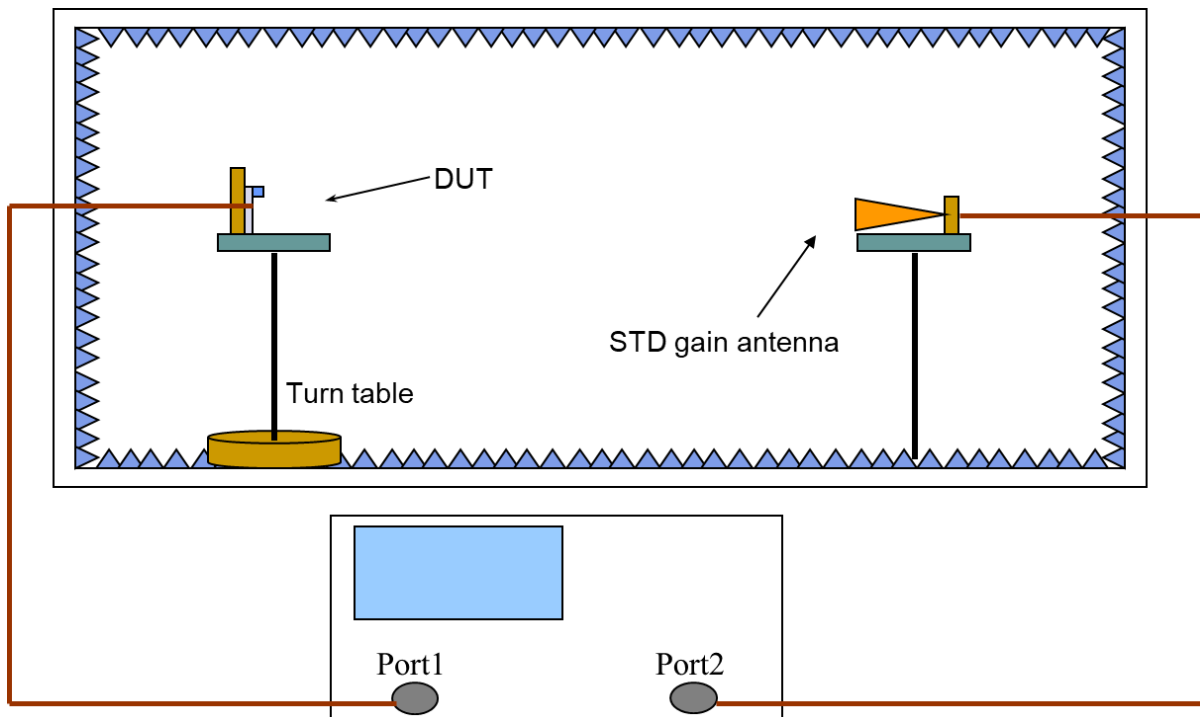
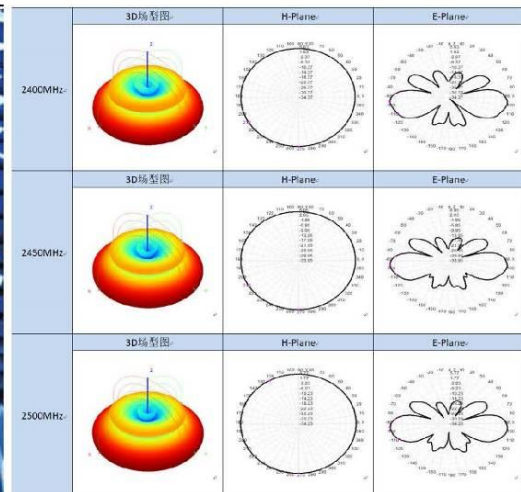
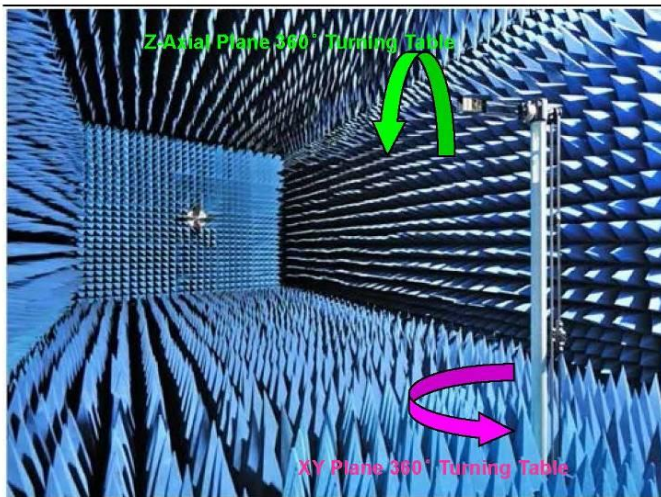
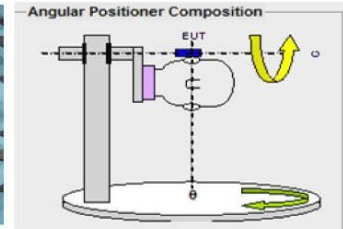
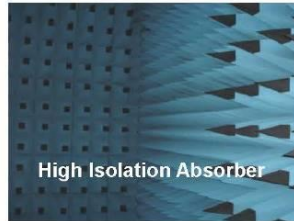
Sample Photo	
	
A. Electrical Characteristics	
Frequency	433MHz
S.W.R.	<= 1.8
Antenna Gain	5dBi
Polarization	Vertical
Horizontal Beamwidth	115°
Vertical Beamwidth	104°
F/B	>5.6dB
Impedance	50Ohm
Max. Power	50W
B. Material & Mechanical Characteristics	
Connector Type	N connector
Dimension	256*256*40mm
Radome material	ABS
Weight	1.0Kg
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

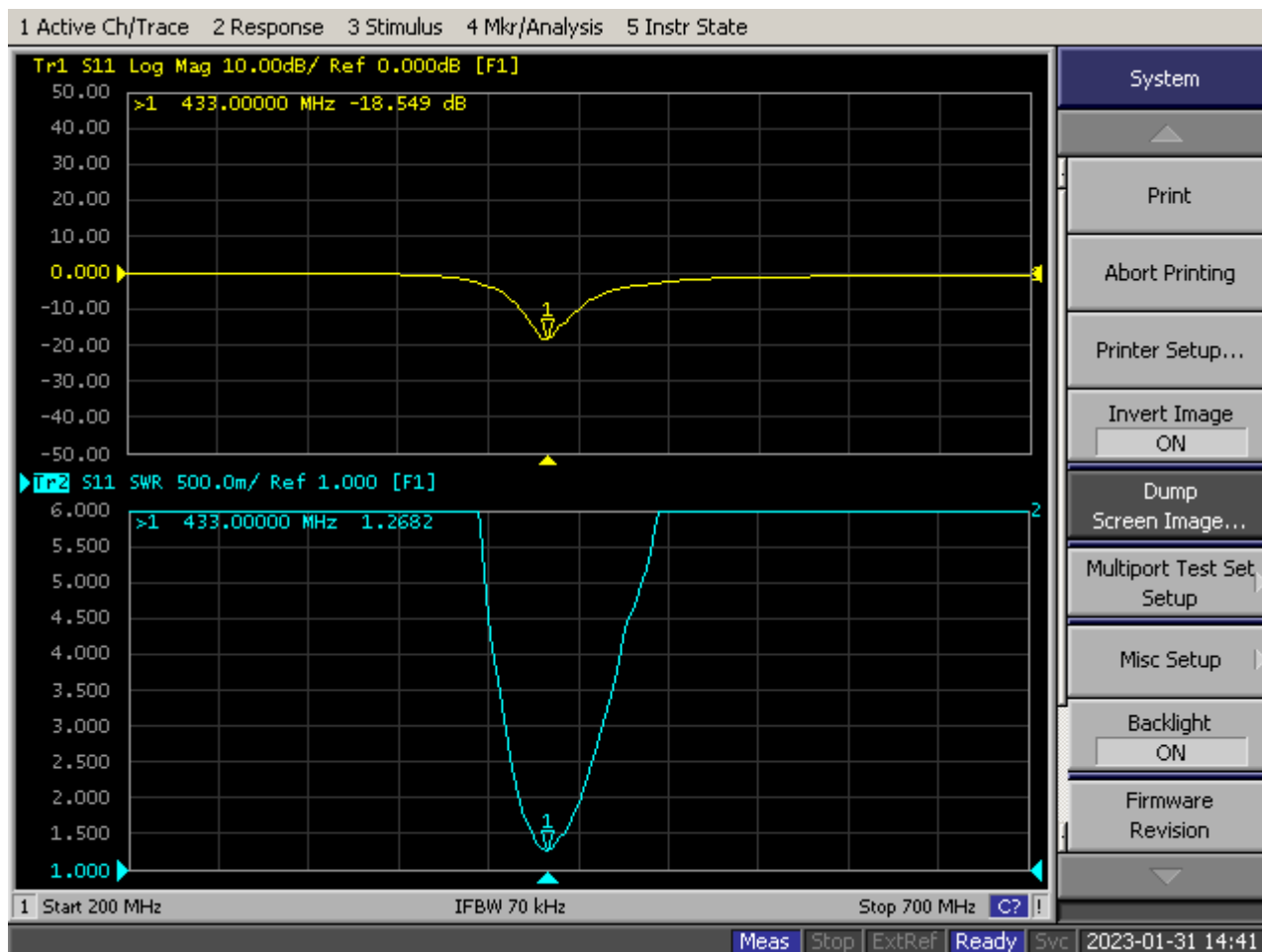




Product Number: BGS-AN0433-25625640G
Product Name: 433MHz Flat Panel Antenna 5dBi

2. Antenna - S Parameter Test Data

2.1 VSWR





Product Number: BGS-AN0433-25625640G
Product Name: 433Mhz Flat Panel Antenna 5dBi

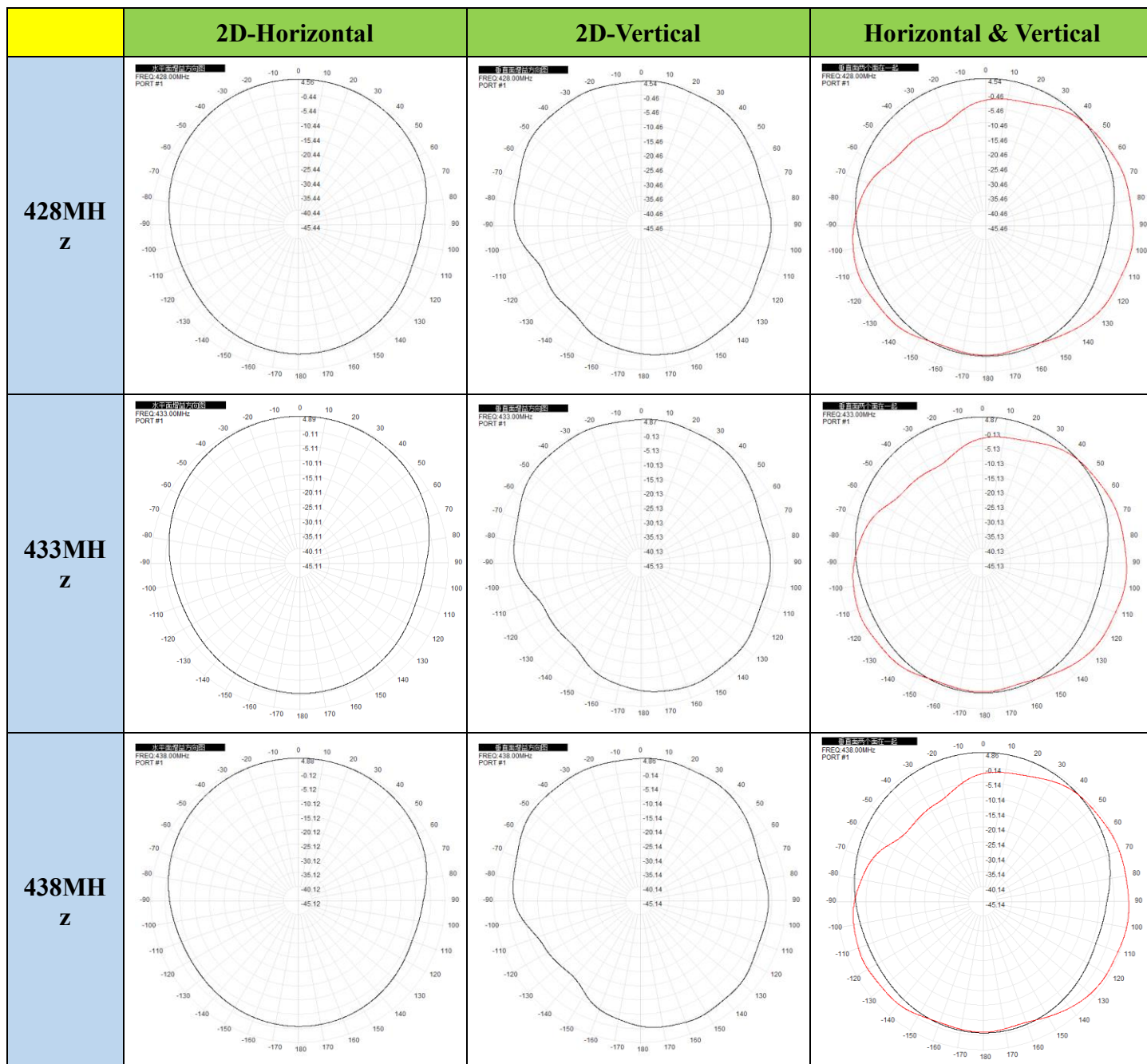
2.2 Gain:

Frequency(MHz)	Gain(dBi)
428	4.5601
429	4.6141
430	4.6876
431	4.7699
432	4.8469
433	4.8917
434	4.9044
435	4.896
436	4.8836
437	4.8781
438	4.8752



Product Number: BGS-AN0433-25625640G
Product Name: 433Mhz Flat Panel Antenna 5dBi

2.3 Radiation Pattern





Product Number: BGS-AN0433-25625640G
 Product Name: 433Mhz Flat Panel Antenna 5dBi

3. Mechanical Drawing

