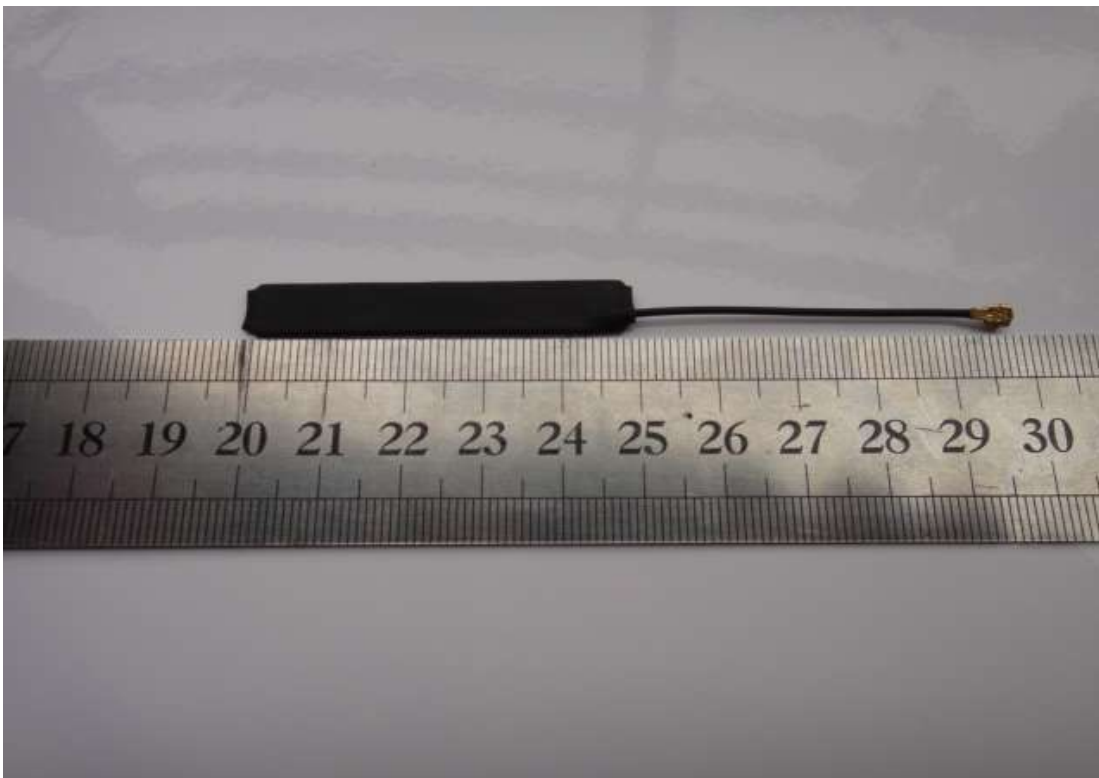


Product Number:HLK-TX-PCB-B10
Product Name: Omni Antenna

Index:

- 1. Reliability Testing**
 - 2. Specification**
 - 3. SParameter Test Data**
 - 4. Antenna Radiation Pattern**
 - 5. Mechanical Drawing**
 - 6. SGS Report**
-



1. Reliability Testing

Test Item	Procedure	Requirement
1. Visual inspection	Applicable methods	follow specification



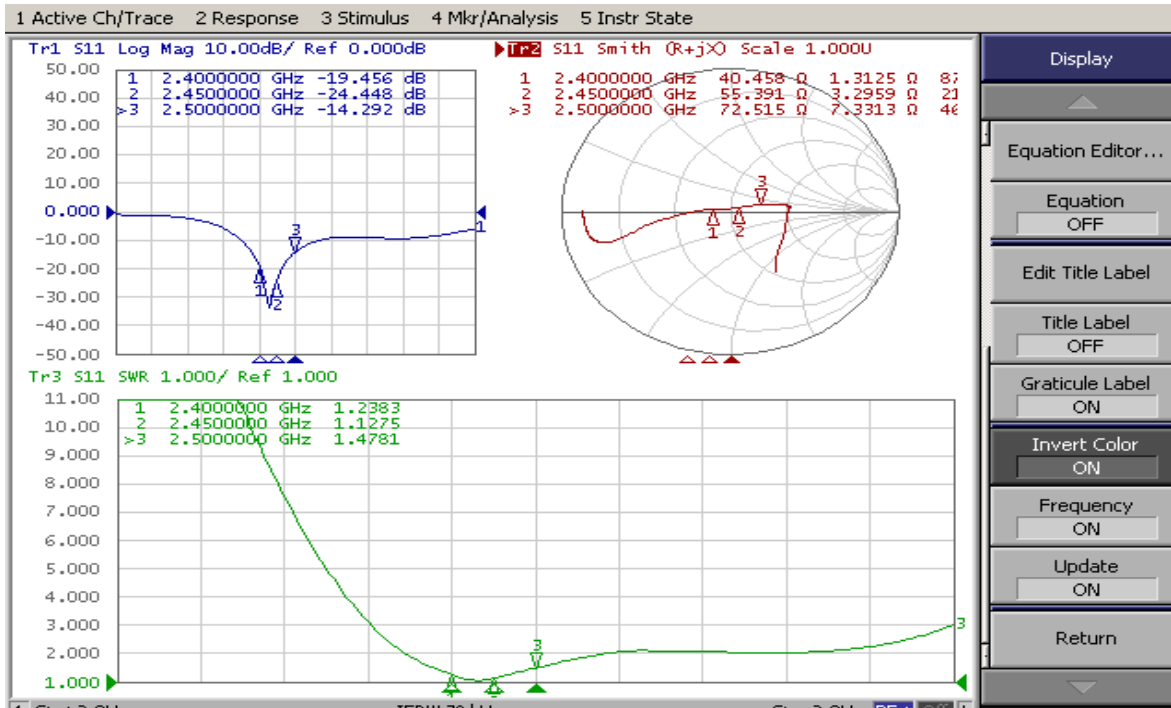
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Shenzhen Hi-Link Electronic co.,Ltd

and Dimension Check	using x5 magnification	
2. Rapid Changing of Temperature	-40°C (30minutes) to 90°C (30minutes); 24 cycles	After 2 hours recovery: 1. no visible damage 2. Freq. Tol.: < ±5%
3. Damp Heat	24 hours at 60°C; 90 ~ 95% RH	After 2 hours recovery: 1. no visible damage 2. Freq. Tol. : < ±5%
4. Endurance	24 hours at 90°C	After 2 hours recovery: 1. no visible damage 2. Freq Tol.: < ±5%

2. Specification

A. Electrical Characteristics	
S.W.R.	2400-2500 MHz: <= 1.6
Antenna Gain	3 ± 0.3 dBi
Impedance	50 Ohm
B. Material	
Material of Radiator	Cu (Plated)
Connector Type	I-PEX
Cable	RG1.13 L=5cm Black
C. Environmental	
Operation Temperature	- 30 °C ~ + 85 °C
Storage Temperature	- 30 °C ~ + 85 °C

3. S Parameter Test data



4. Antenna Radiation Pattern

Testing Equipment Specification:

Antenna Anechoic Chamber Dimension: 8 x 4 x 4 m

Quiet Zone: 600mm @1 GHz

Isolation: >100dB @ 1 MHz ~ 10 GHz

Testing Equipment: Agilent 5071B

Received Antenna: 0.7 ~ 6.0 GHz for Gain Calibration

Double Ridged Horn Antenna

