

# TP-LINK®

# Antenna Specification



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**Product Number: 3101503773**

**Product Name: Antenna**

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**Specification For Approval**

Product Number: 3101503773

Product Name: Antenna

**TP-LINK®**

Date: \_\_\_\_\_

File No. : \_\_\_\_\_

Version: 1.0

Customer: \_\_\_\_\_ / \_\_\_\_\_

Customer P/N : \_\_\_\_\_ / \_\_\_\_\_

TP-LINK P/N: 3101503773

Description: Antenna|2.4-2.5GHz|2.0dBi|LP|Omni|2W||-PEX|110mm|D1.13mm|小叉改  
(自动化)|无|X1020-RI110REV3.0|黑色|PPE-HB+ABS-HB/光面+纹面|不防水  
[灰色线/自制件/3101503679 改自动化/热缩覆膜]

**TP-LINK Checked By:**

**Customer Approved By:**

**TP-LINK®**

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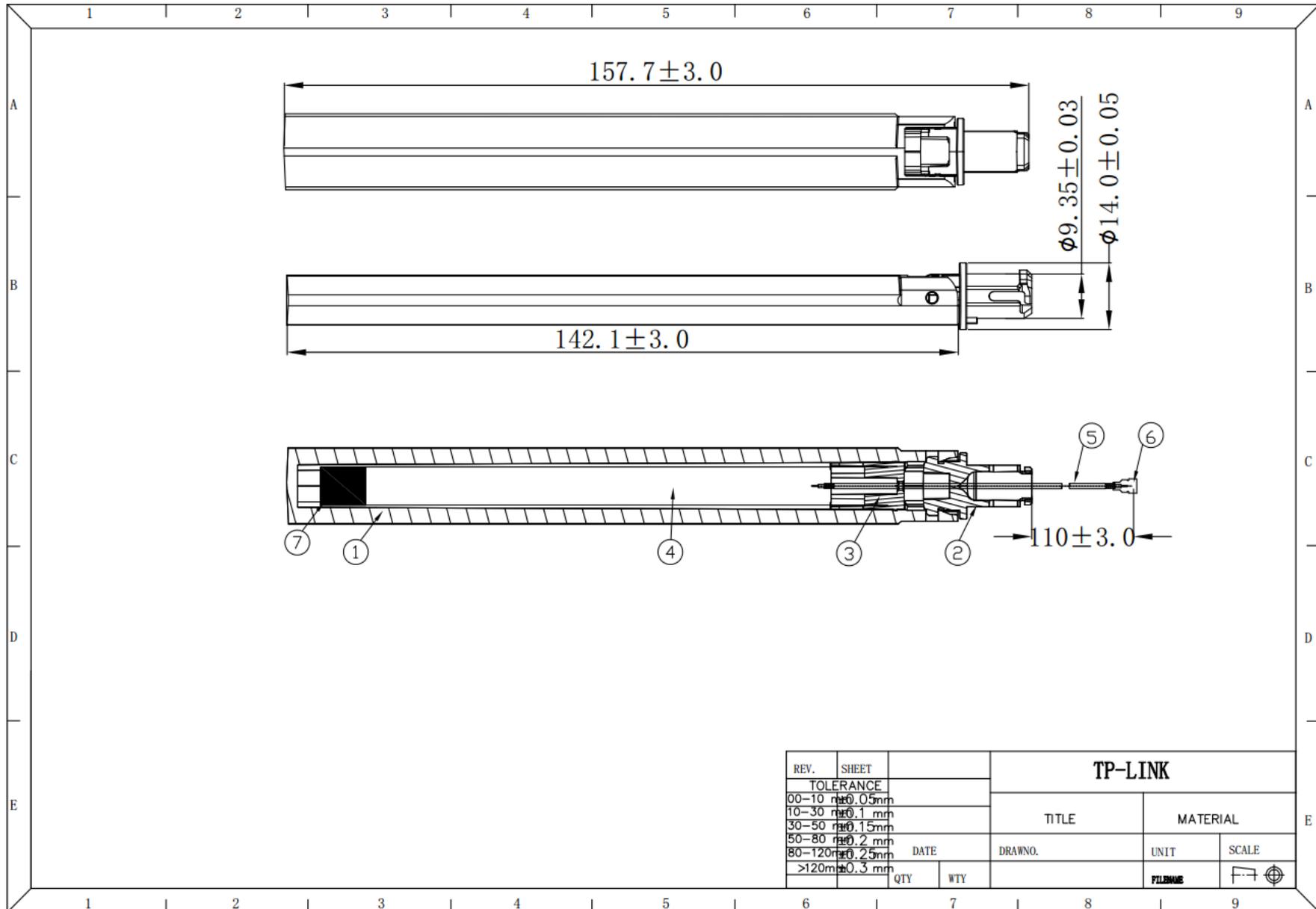
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## I. Specification

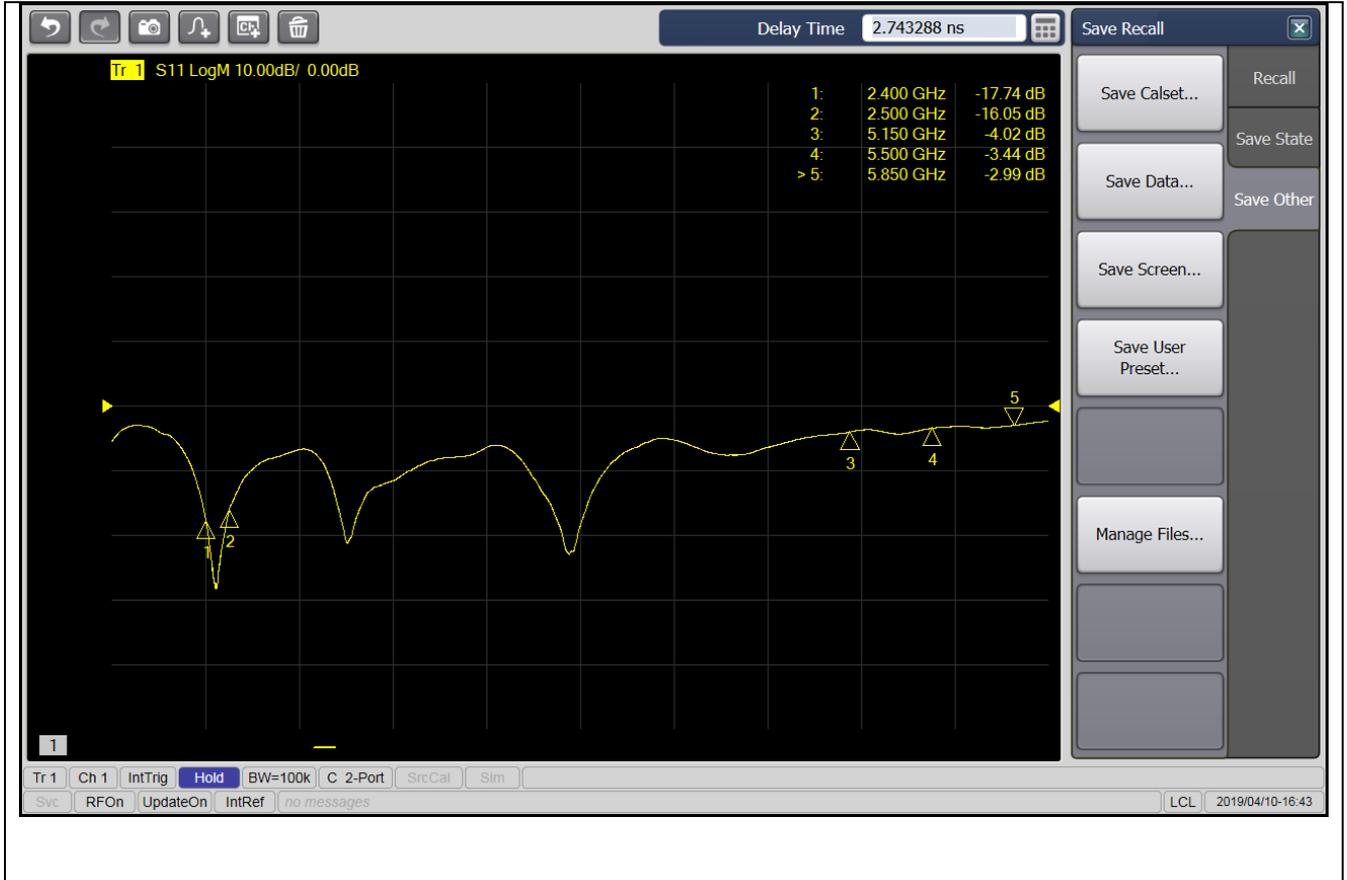
Sample Photo	
	
A. Electrical Characteristics	
Frequency	2400~2500MHz
Impedance	50 Ohm
S.W.R.	<= 2.0
Antenna Type	Dipole
Antenna Gain	2.0dBi
Max Input Power	2 W
Polarization	Linear
Radiation pattern	Omni-Directional
B. Material & Mechanical Characteristics	
Material of Radiator	Cu
Material of Plastic	Body: ABS-HB Holder: PC、ABS
Cable Type	O.D. 1.13mm (gray)
Connector Type	I-PEX
Connector Pull Test	3Kg
C. Environmental	
Operation Temperature	- 40°C ~ + 60°C
Storage Temperature	- 40°C ~ + 60°C

## II. Characteristics and Reliability Test

### III. Mechanical Drawing and Material Description



### IV. Antenna – S Parameter Test Data



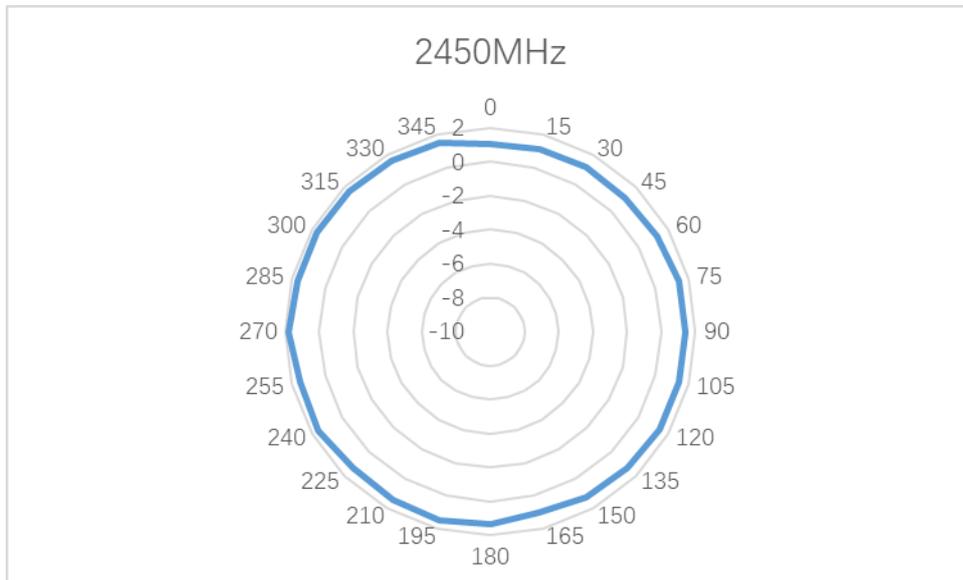
### V. Antenna – Radiation Pattern Test Data

Testing Equipment Specification	
Microwave Chamber	ETS
Testing Equipment	Agilent 5071B

PeakGain:

Freq	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Gain	1.92	2.00	1.90	1.68	1.71	1.77	1.68	1.78	1.65	1.55	1.48

Theta=90°



Phi=0°

