

**TP-LINK®**

# Antenna Specification



Product Number: 3101503165

Product Name: Antenna

**TP-LINK®**

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Product Number: 3101503165

Product Name: Antenna

**TP-LINK®**

## Specification For Approval

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

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

Version: 1.0

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

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

TP-LINK P/N: 3101503165

Description:

Antenna|2.4-2.5GHz&5.15-5.85GHz|1.5dBi&1.5dBi|LP|Omni|2W|I-PEX|60  
mm|D1.13mm|WPA8631|无|X3015-WI060REV1.0|绿色|否|[自制件/I-PEX 朝  
向需管控/黑色线长 60mm/软管长度 43mm]

**TP-LINK Checked By:**

**Customer Approved By:**

**TP-LINK®**

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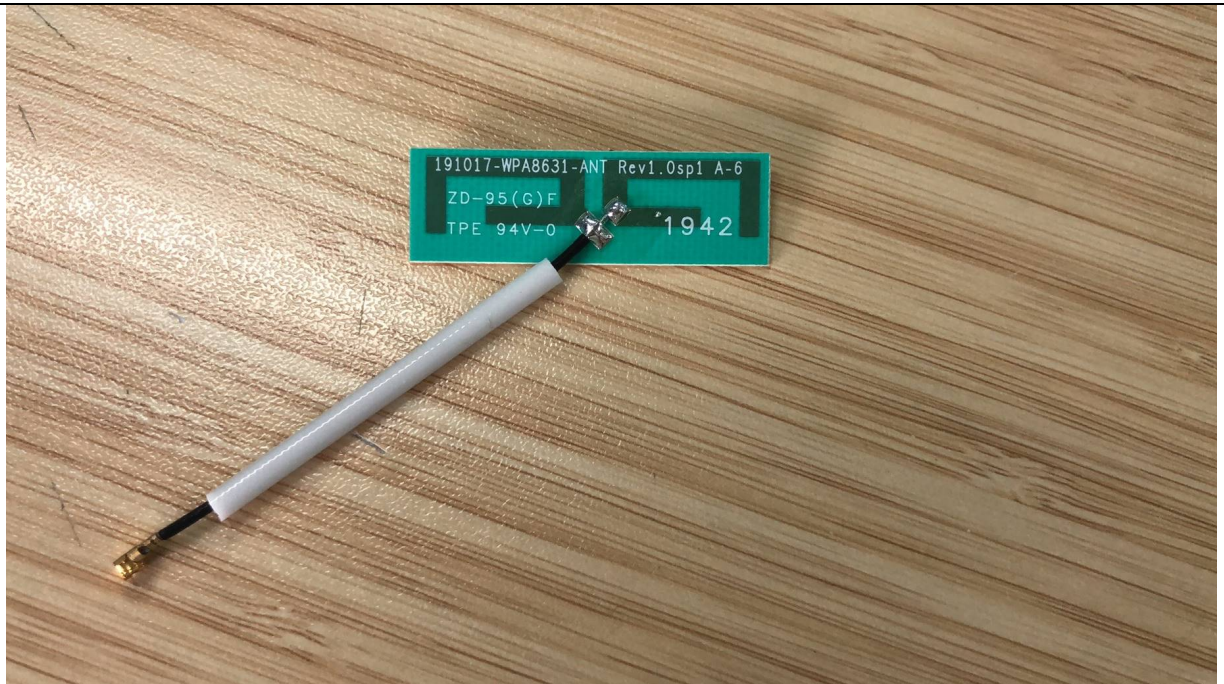
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## I. Specification

### Sample Photo



#### A. Electrical Characteristics

Frequency	2400 ~ 2500MHz & 5150 ~ 5850MHz
Impedance	50 Ohm
S.W.R.	<= 2.0
Antenna Type	Dipole
Antenna Gain	1.5dBi & 1.5dBi
Max Input Power	2 W
Polarization	Linear
Radiation pattern	Omni-Directional

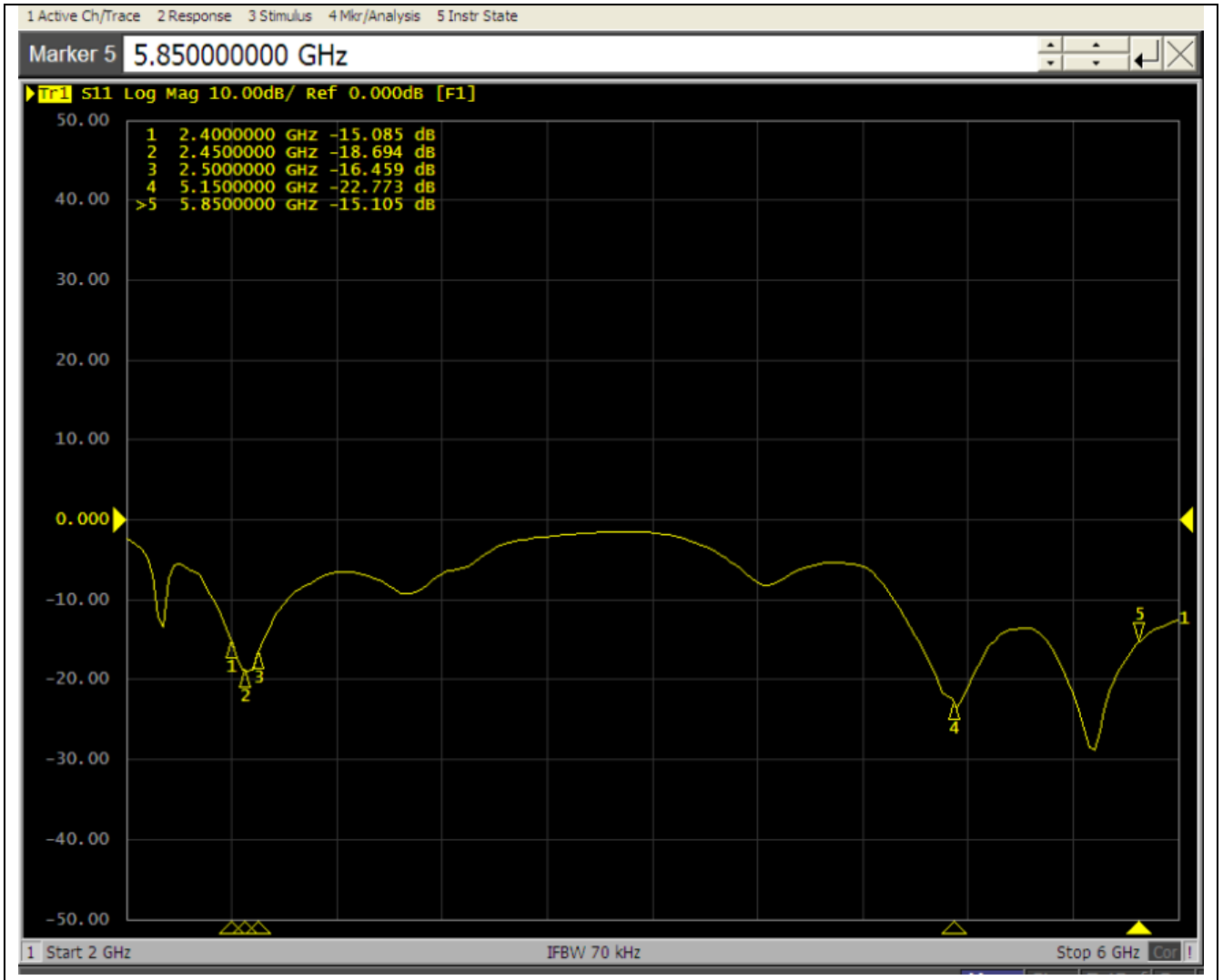
#### B. Material & Mechanical Characteristics

Material of Radiator	Cu
Cable Type	O.D. 1.13mm (Black)
Connector Type	I-PEX
Connector Pull Test	3Kg

#### C. Environmental

Operation Temperature	- 40°C ~ + 65°C
Storage Temperature	- 40°C ~ + 60°C

## II. Antenna – S Parameter Test Data



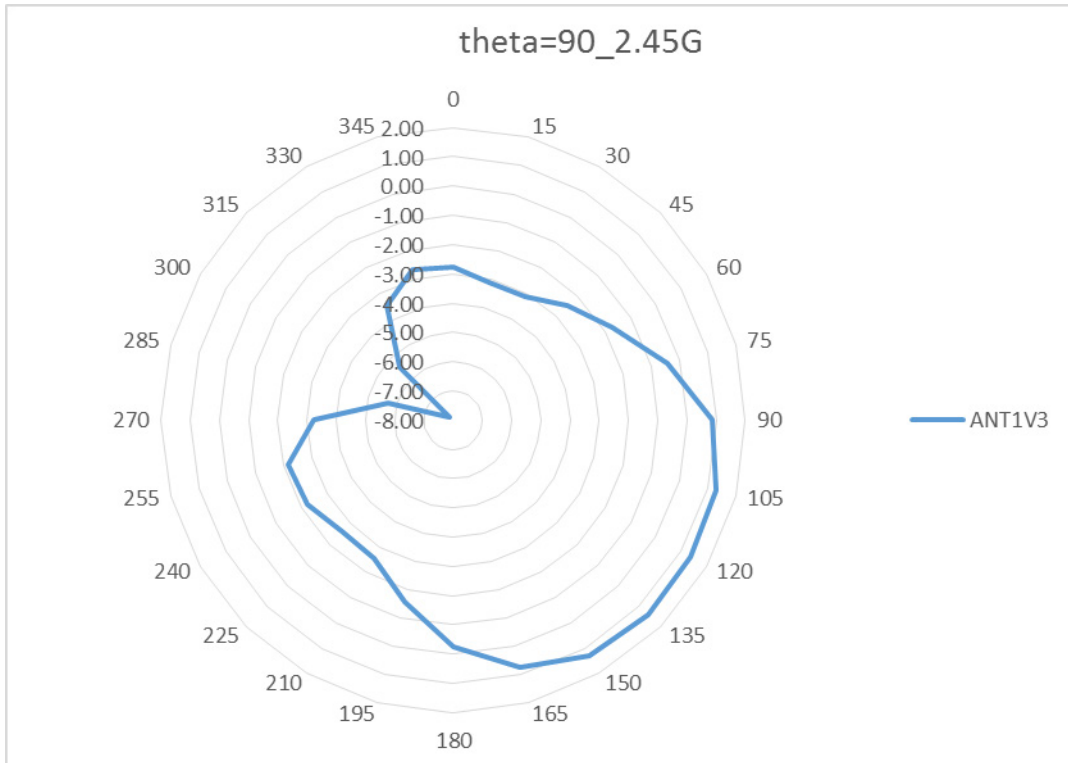
## III. Antenna – Radiation Pattern Test Data

Testing Equipment Specification	
Microwave Chamber	Satimo SG24-S
Testing Equipment	Agilent 5071B

Freq. (MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Peak Gain (dBi)	1.45	1.34	1.40	1.35	1.39	1.42	1.43	1.33	1.35	1.24	1.29
Freq. (MHz)	5150	5200	5250	5300	5350	5400	5450	5500	5550	5600	5650
Peak Gain (dBi)	1.47	1.48	1.41	1.45	1.39	1.48	1.42	1.38	1.39	1.46	1.45
Freq. (MHz)	5700	5750	5800	5850							
Peak Gain (dBi)	1.44	1.38	1.49	1.46							

Theta=90°

2450MHz



5200MHz

