

**TP-LINK®**

# Antenna Specification



Product Number:

Product Name: Antenna

**TP-LINK®**

## Specification For Approval

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

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

Version: 1.0

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

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

TP-LINK P/N: \_\_\_\_\_

Description: Tapo P105(US)1.0

<b>TP-LINK Checked By:</b>
<b>Customer Approved By:</b>

**TP-LINK®**

**TP-LINK TECHNOLOGIES CO., LTD.**

South Buiding, No.5 Keyuan Road,  
Central Zone, Science&Technology Park,  
Nanshan, Shenzhen, P.R.China

TEL: + 86 755 26612350

+ 86 755 26504400

[http:// www.tp-link.com](http://www.tp-link.com)

Product Number:  
Product Name: Antenna



## Index

I.	Specification .....	1
II.	Antenna – Radiation Pattern Test Data .....	2

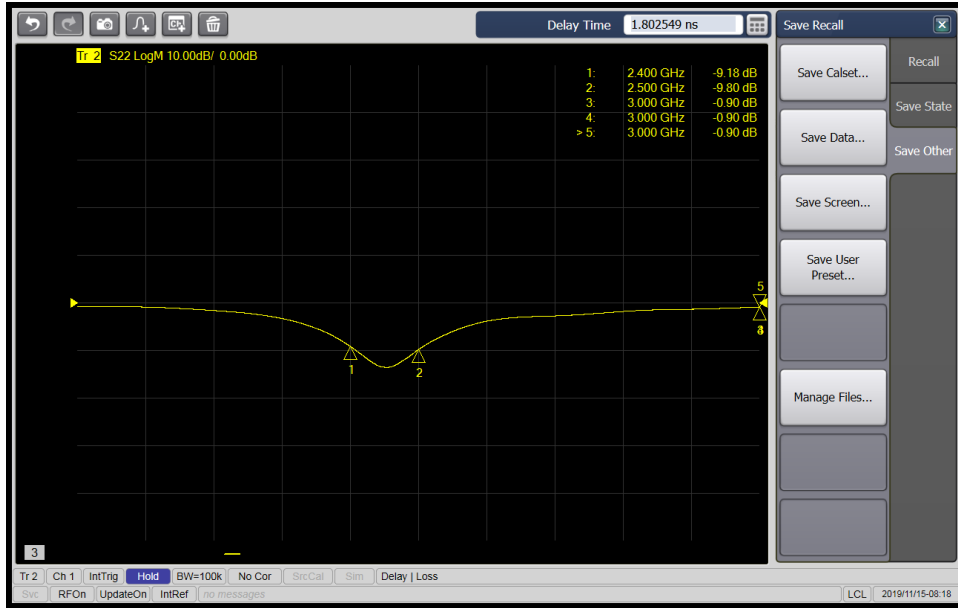
## I. Specification

A. Electrical Characteristics	
Frequency	2400 ~ 2500MHz
Impedance	50 Ohm
S.W.R.	$\leq 2.0$
Antenna Type	Monopole
Antenna Gain	-1.11dBi@2.4~2.5GHz
Polarization	Linear
Radiation pattern	Omni-Directional

## II. Antenna – Radiation Pattern Test Data

Testing Equipment Specification	
Microwave Chamber	ETS
Testing Equipment	Agilent 5071B

### S 参数



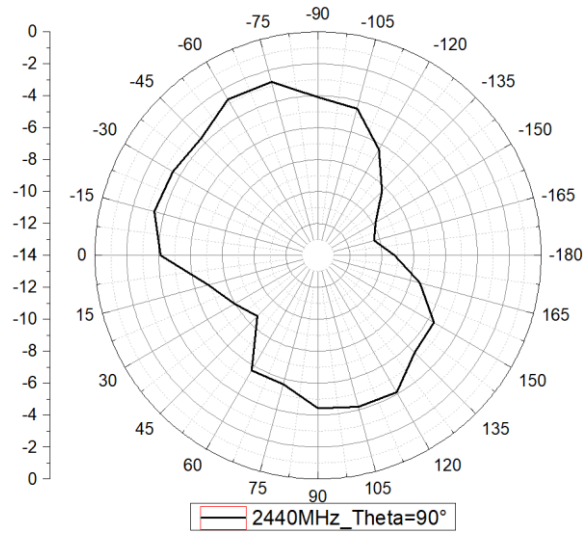
### PeakGain

Peak Gain											
Freq (MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Gain (dB)	-1.34	-1.18	-1.17	-1.11	-1.24	-1.17	-1.33	-1.39	-1.47	-1.55	-1.67

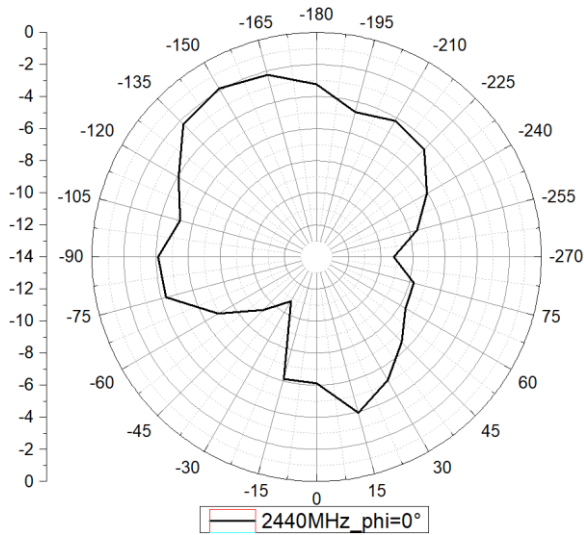
### Efficiency

Efficiency											
Freq (MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
%	30.56	31.35	32.03	32.14	32.71	33.27	33.16	32.76	32.08	31.61	31.07

Theta=90°



Phi=0°



Phi=90°

