

TP-LINK®

Antenna Specification



Product Number:

Product Name: Antenna

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Product Number:

Product Name: Antenna

TP-LINK®

Specification For Approval

Date: 2019.08.19

File No. : _____

Version: 1.0

Customer: _____ / _____

Customer P/N : _____ / _____

TP-LINK P/N: _____

Description: Antenna|2.4-2.5GHz|1.93dBi

TP-LINK Checked By:

Customer Approved By:

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)

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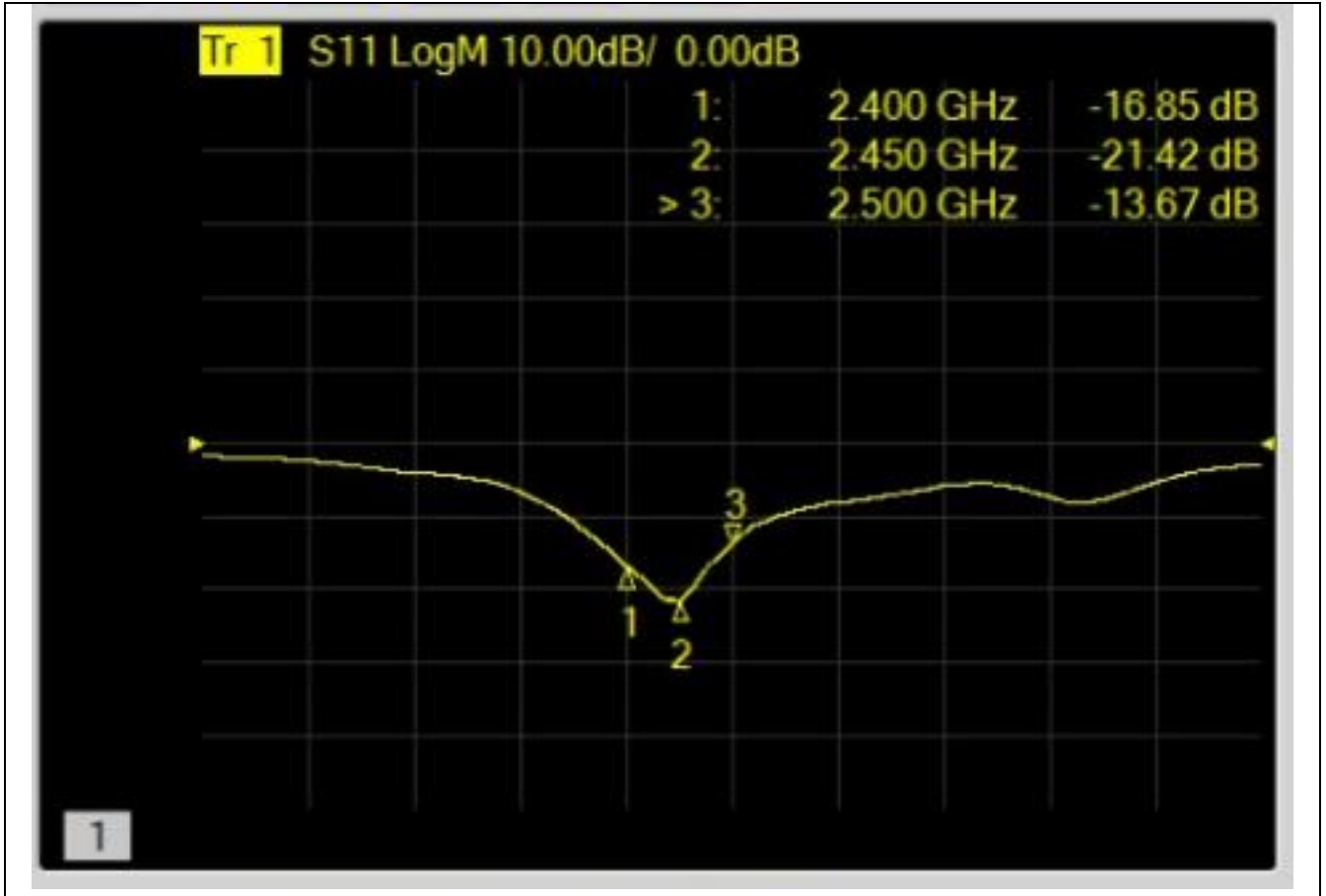
I. Specification

Sample Photo	
A. Electrical Characteristics	
Frequency	2400~2500MHz
Impedance	50 Ohm
S.W.R.	≤ 2.0
Antenna Type	IFA
Antenna Gain	1.93dBi@2.400-2.500GHz;
Max Input Power	
Polarization	Linear
Radiation pattern	Omni-Directional

II. Characteristics and Reliability Test

Test Items		Test Condition and Procedure	Requirements
C1	S.W.R.	Set DUT on Network Analyzer; make individual calibration to test	Directive DUT specification
C2	Antenna Gain	Set DUT on Antenna Chamber; make individual calibration to test	Directive DUT specification
M4	Solderability	MIL-STD-202G, 210F, cond. A Solder iron: 350+- 10°C; Duration: 5 seconds	1. Mounted on PCB 2. No Visual Damage
M7	Dimension	Inspection of dimension, color, material, package, surface process	Directive DUT specification

III. Antenna – S Parameter Test Data

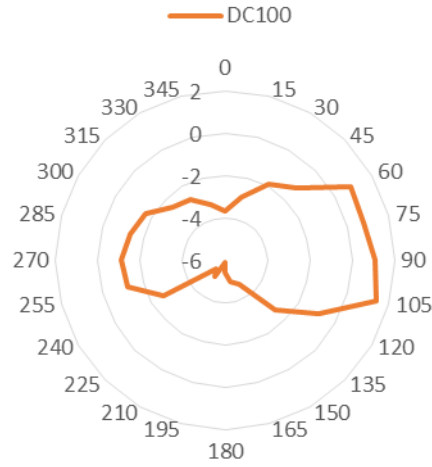


IV. Antenna – Radiation Pattern Test Data

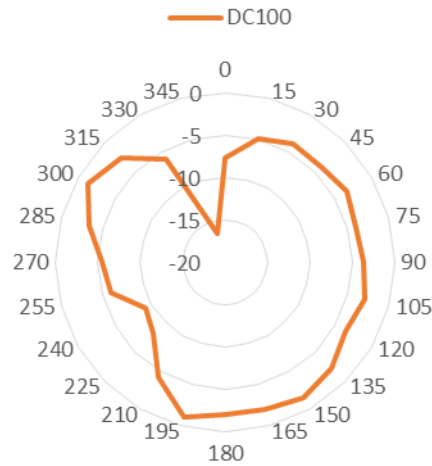
Testing Equipment Specification	
Microwave Chamber	Satimo SG24-S
Testing Equipment	Agilent 5071B

Freq.(MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Peak Gain(dBi)	1.42	1.50	1.55	1.73	1.84	1.75	1.93	1.83	1.73	1.66	1.57

theta90° (XOY) Radiation Pattern at 2.45GHz



phi0° (XOZ) Radiation Pattern at 2.45GHz



phi90° (YOZ) Radiation Pattern at 2.45GHz

