

TP-LINK®

Antenna Specification



Product Number: 6035500079

Product Name: Antenna

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Product Number: 6035500079

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Specification For Approval

Date: _____

File No. : _____

Version: 1.0

Customer: _____ / _____

Customer P/N : _____ / _____

TP-LINK P/N: 6035500079

Description: 天线金属片|1254-AD000REV1.0| TP7-535-027| A1| C7701(t=0.3mm)|
25.4*14.6*3.6|29.0*16.9|内置 PIFA 天线]

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 ~ 2500 MHz
Impedance	50 Ohm
S.W.R.	<= 2.0
Antenna Gain	2.98dBi
Max Input Power	<= 2 W
Polarization	Linear
Radiation pattern	Omni-Directional
B. Material & Mechanical Characteristics	
Material of Radiator	Cu

II. Mechanical Drawing and Material Description

1	2	3	4	5	6	7	8
TP7-537-089						版本	更改内容
						A2	更改角度公差

Technical drawing of the antenna metal plate. The main view shows a plate with a total width of 23mm and a height of 11.5mm. It features a central slot with a width of 3mm and a depth of 3mm. The plate has a 90° bend on the left side with a thickness of 1.3mm. The bottom view shows a series of small rectangular features with dimensions 3-1, 3-2, and 3-3. A detail view on the right shows a 90° bend with a thickness of 0.3mm and a height of 7.9±0.15mm.

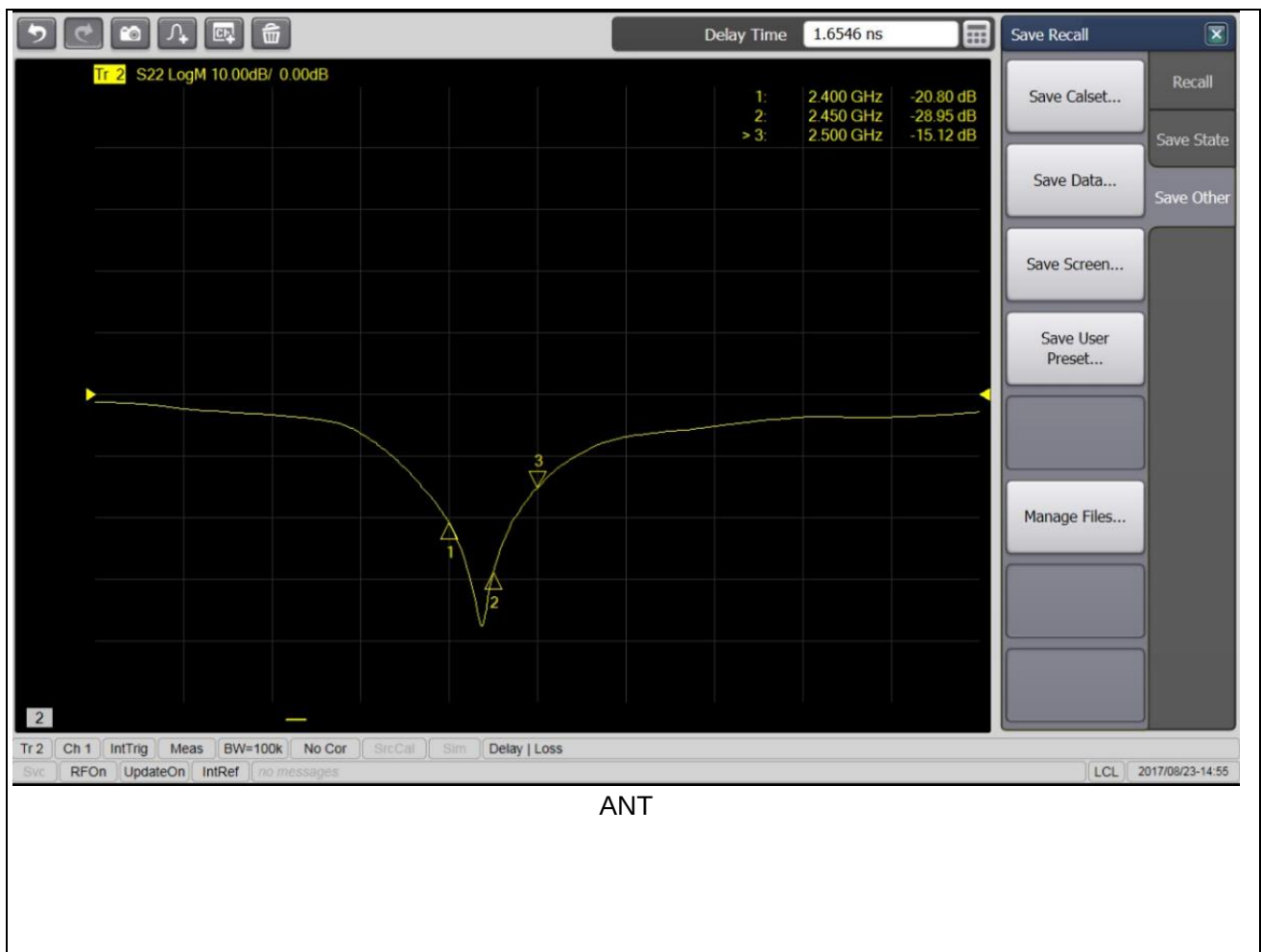
3D perspective view of the antenna metal plate, showing its L-shaped profile and the central slot.

技术要求:

1. 未注倒圆角R0.2;
2. 冲压毛刺面在内, 去除所有的锐边与毛刺;
3. 注意校正工件冲压后的平整度, 平整度要求控制在0.1mm以内;
4. 工件表面不能有各类划伤痕迹, 折弯侧面不能有明显拖伤。

版本:	页数:	设计:	普联技术	
A2	1 / 1			
未注公差		校对:	名称: 天线金属片	
00-10 mm	±0.05 mm			
10-30 mm	±0.1 mm	批准:	图号: TP7-537-089	
30-50 mm	±0.15 mm			
50-80mm	±0.2 mm	日期:	2016-08-21	
80-120mm	±0.25 mm			
>120mm	±0.3 mm	数量:	重量: *	
角度:	±2.0°	1		
		型号:	HS200	

III. meter Test Data



IV. Antenna – Radiation Pattern Test Data

Testing Equipment Specification	
Microwave Chamber	Satimo Starlab
Testing Equipment	Agilent E5071C

2400~2500 MHz

Peak Gain(dB)											
Freq(MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
ANT1	2.97	2.98	2.91	2.96	2.95	2.95	2.96	2.94	2.95	2.97	2.94

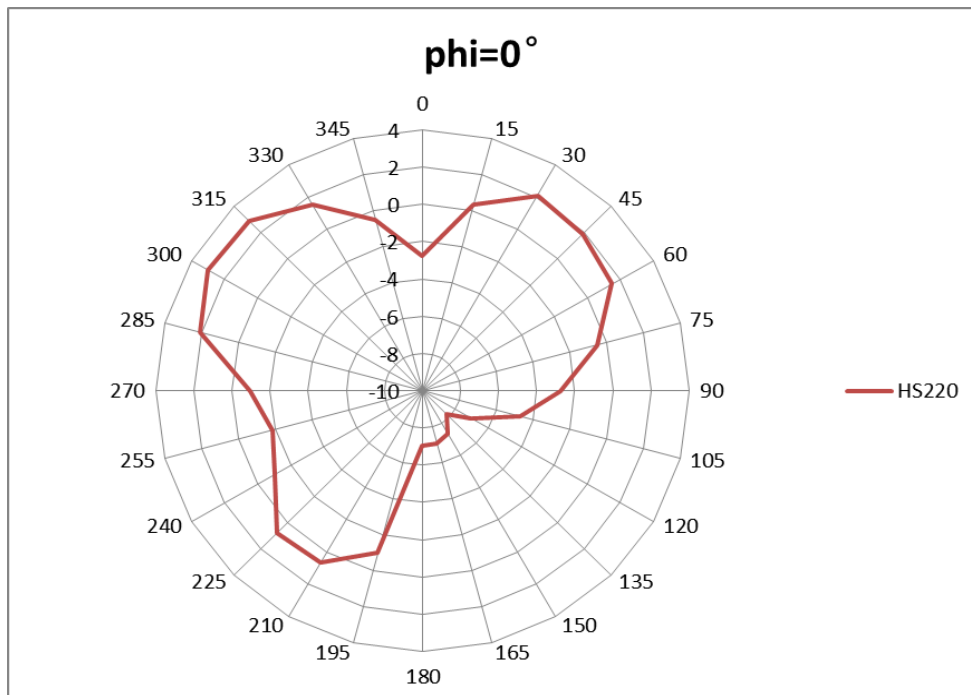
Product Number: 6035500079

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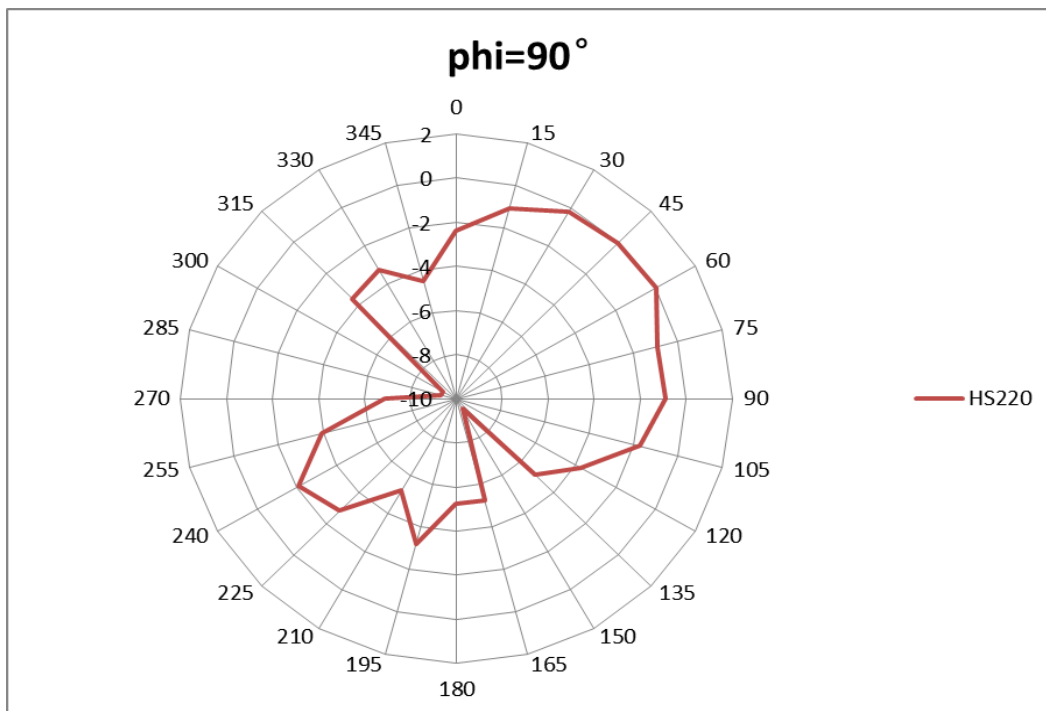
Phi=0°

2450 MHz



Phi=90°

2450MHz



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Theta=90°

2450 MHz

