



Antenna Specification



Product Number: 3101503202

Product Name: Antenna

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Product Number: 3101503202

Product Name: Antenna

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Specification For Approval

Date: _____

File No. : _____

Version: 1.0

Customer: _____ / _____

Customer P/N : _____ / _____

TP-LINK P/N: 3101503202

Description:

Antenna|2.4-2.5GHz&5.15-5.5GHz|2.0dBi&1.0dBi|LP|Omni|2W|I-PEX|47m
m|D1.13mm|DECO X90|无|X3020-WI047REV1.0|绿色|否|自制品/I-PEX 朝
向需管控/黑色 Cable|

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South Buiding, No.5 Keyuan Road,
Central Zone, Science&Technology Park,
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TEL: + 86 755 26612350

+ 86 755 26504400

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VII.	Packing Drawing	错误!未定义书签。

I. Specification

Sample Photo



A. Electrical Characteristics

Frequency	2400 ~ 2500MHz&5150 ~ 5500MHz
Impedance	50 Ohm
S.W.R.	<= 2.0
Antenna Type	Dipole
Antenna Gain	2.0dBi & 1.0dBi
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

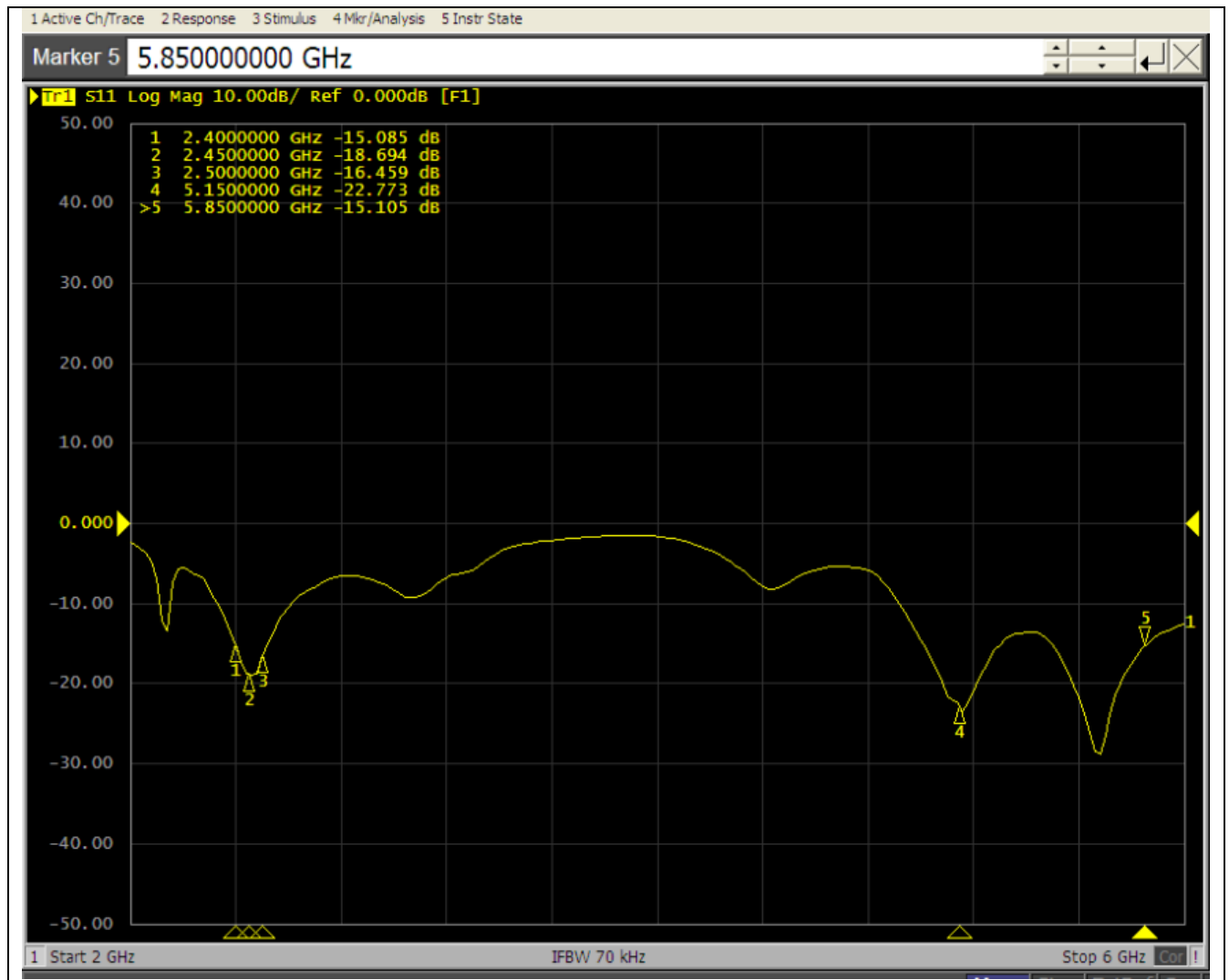
Operation Temperature	- 40℃ ~ + 65℃
Storage Temperature	- 40℃ ~ + 70℃

Product Number: 3101503202

Product Name: Antenna

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II.

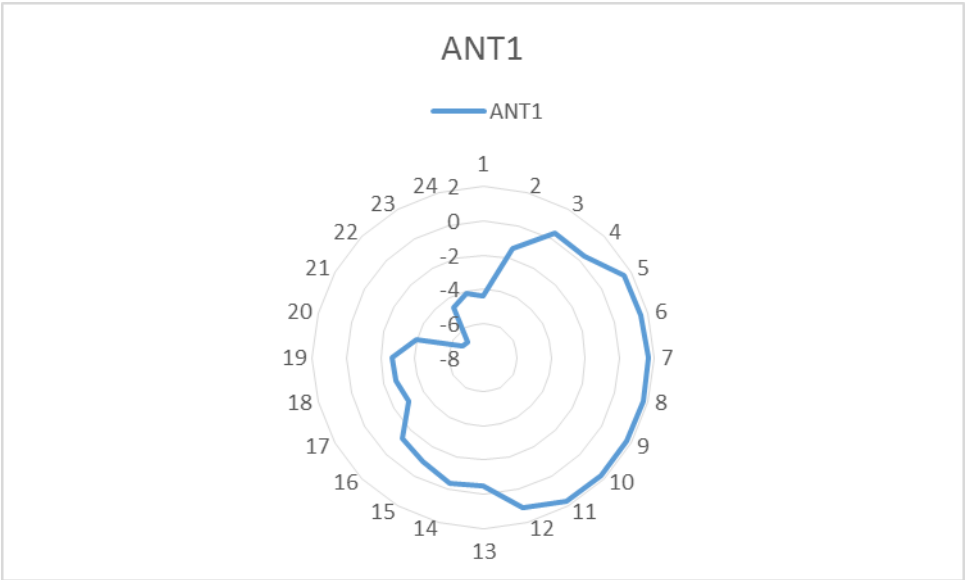
III. Antenna – S Parameter Test Data**IV. Antenna – Radiation Pattern Test Data**

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

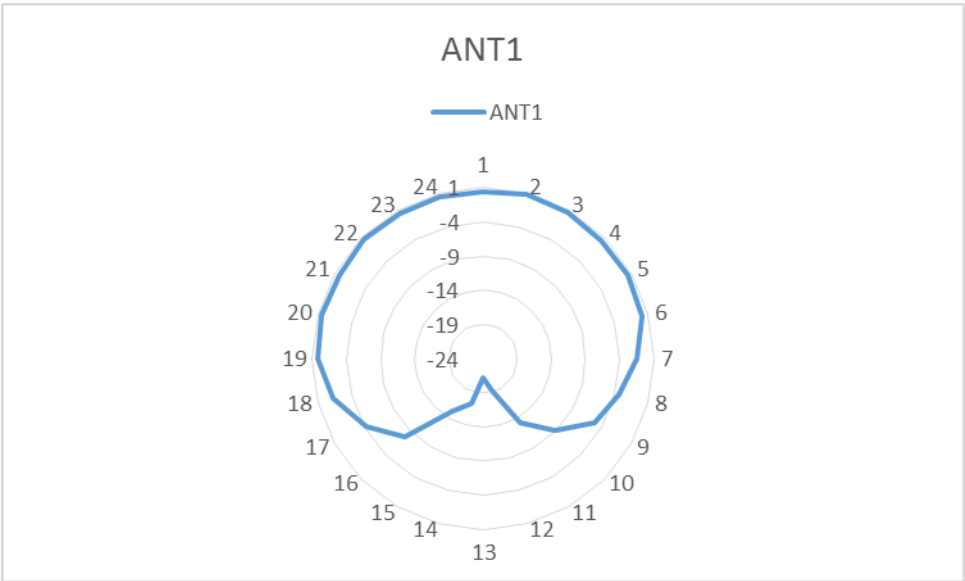
Freq. (MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Peak Gain (dBi)	1.78	1.89	1.85	1.71	1.83	1.93	1.88	1.84	1.94	1.97	1.87
Freq. (MHz)	5150	5200	5250	5300	5350	5400	5450	5500			
Peak Gain (dBi)	0.83	0.85	0.92	0.89	0.87	0.90	0.98	0.96			

Theta=90°

2.45GHz



5200MHz



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Antenna Specification



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TP-LINK P/N: 3101503203

Description:

Antenna|2.4-2.5GHz&5.15-5.5GHz|2.0dBi&1.0dBi|LP|Omni|2W|I-PEX|47m
m|D1.13mm|DECO X90|无|X3020-WI047REV1.0|绿色|否|自制件/I-PEX 朝
向需管控/灰色 Cable|

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I. Specification

Sample Photo**A. Electrical Characteristics**

Frequency	2400 ~ 2500MHz&5150 ~ 5500MHz
Impedance	50 Ohm
S.W.R.	<= 2.0
Antenna Type	Dipole
Antenna Gain	2.0dBi & 1.0dBi
Max Input Power	2 W
Polarization	Linear
Radiation pattern	Omni-Directional

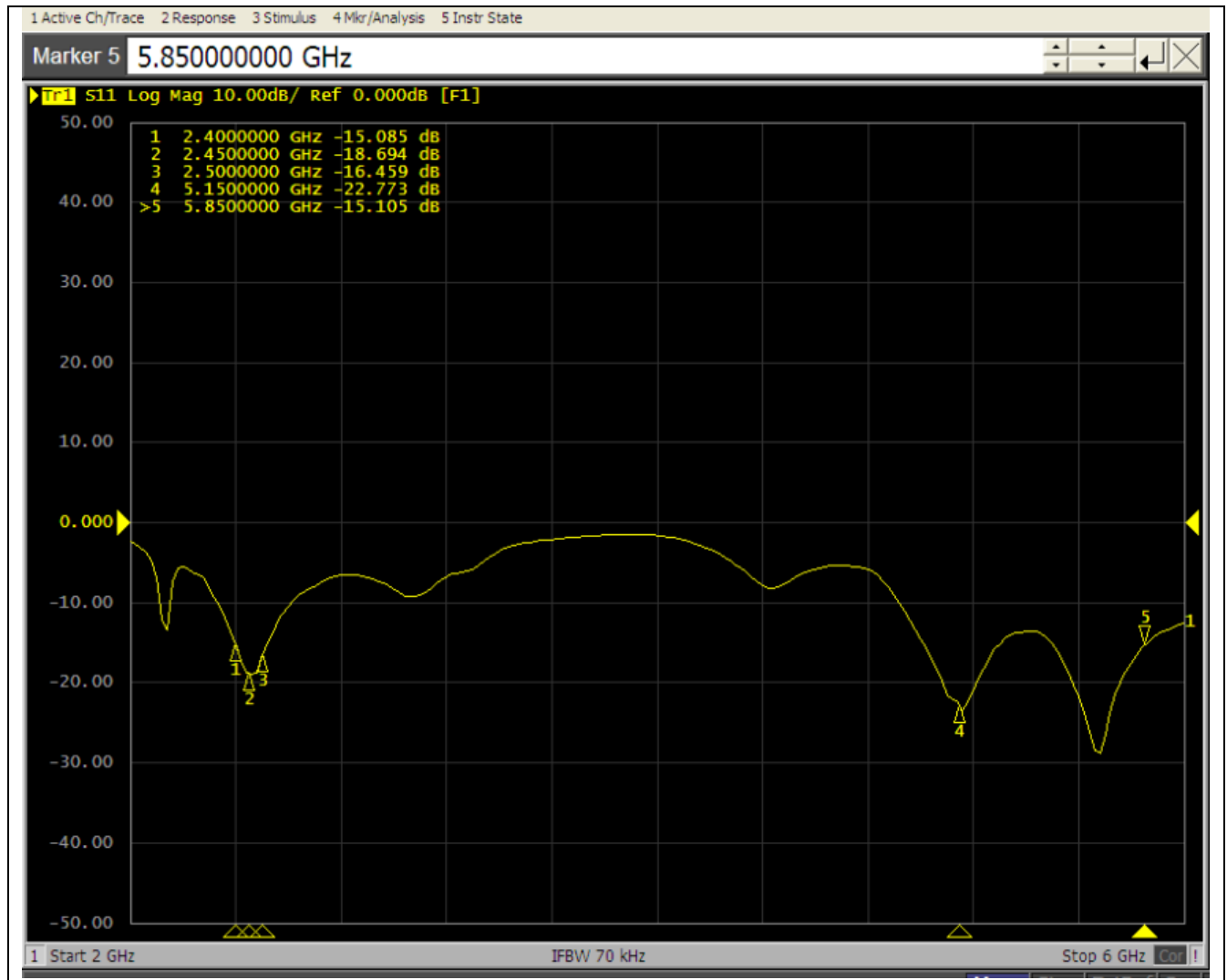
B. Material & Mechanical Characteristics

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

C. Environmental

Operation Temperature	- 40℃ ~ + 65℃
Storage Temperature	- 40℃ ~ + 70℃

II. Antenna – S Parameter Test Data



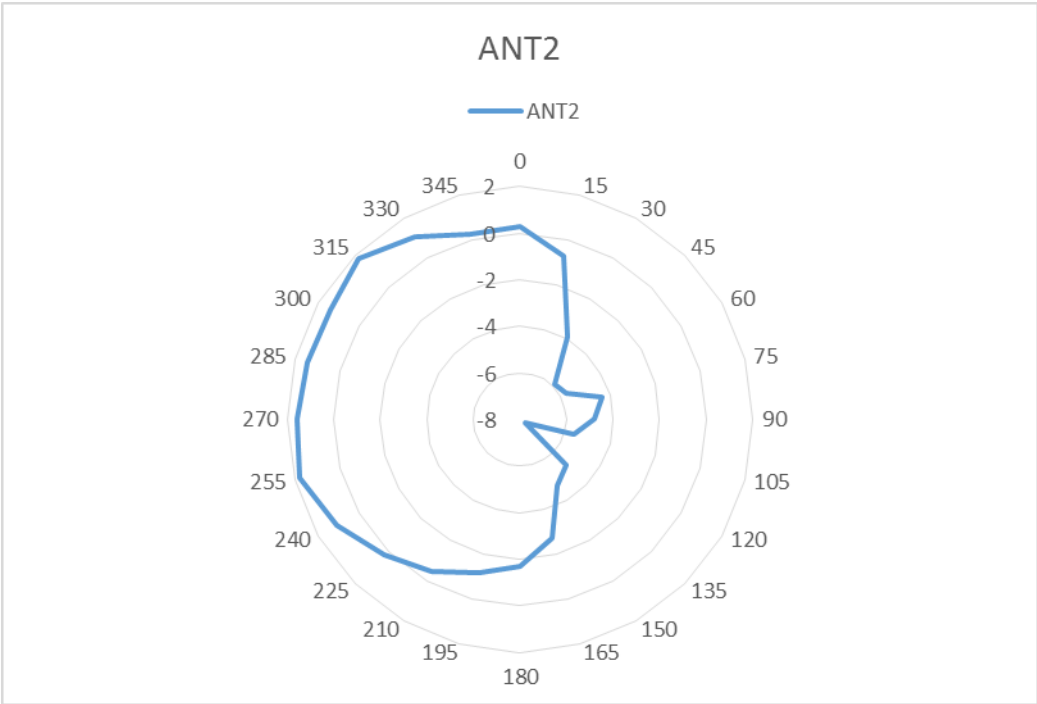
III. Antenna – Radiation Pattern Test Data

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

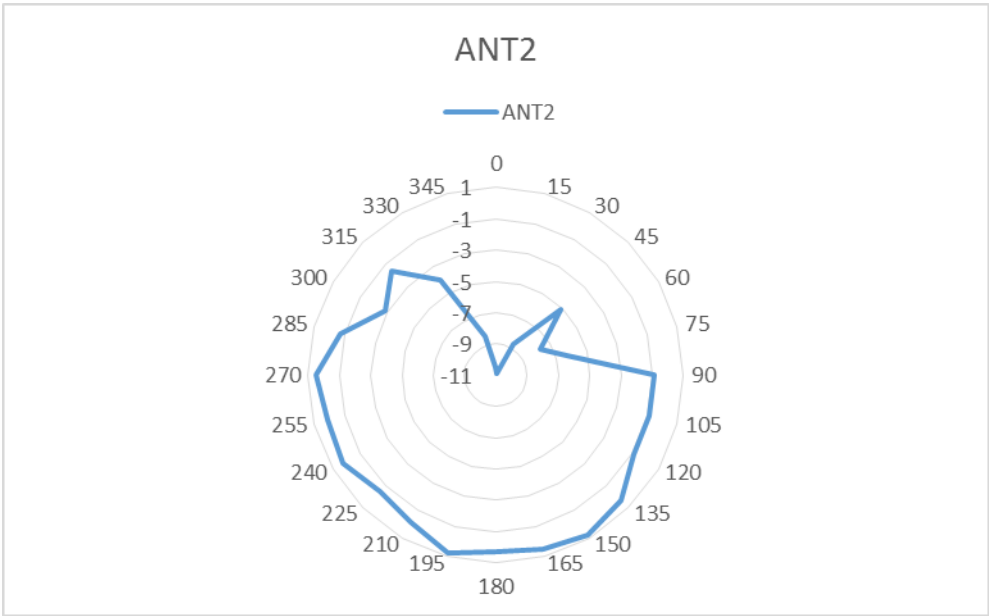
Freq. (MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Peak Gain (dBi)	1.99	1.92	1.93	1.71	1.85	1.94	1.86	1.75	1.77	1.82	1.91
Freq. (MHz)	5150	5200	5250	5300	5350	5400	5450	5500			
Peak Gain (dBi)	0.87	0.86	0.88	0.90	0.91	0.94	0.95	0.96			

Theta=90°

2.45GHz



5200MHz





Antenna Specification



Product Number: 3101503204

Product Name: Antenna

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Specification For Approval

Date: _____

File No. : _____

Version: 1.0

Customer: _____ / _____

Customer P/N : _____ / _____

TP-LINK P/N: 3101503204

Description: Antenna|5.15-5.5GHz|1.0dBi|LP|Omni|2W|I-PEX|112mm|D1.13mm|DECO
X90|无|X2010-WI112REV1.0|绿色|否|自制件/蓝色 Cable

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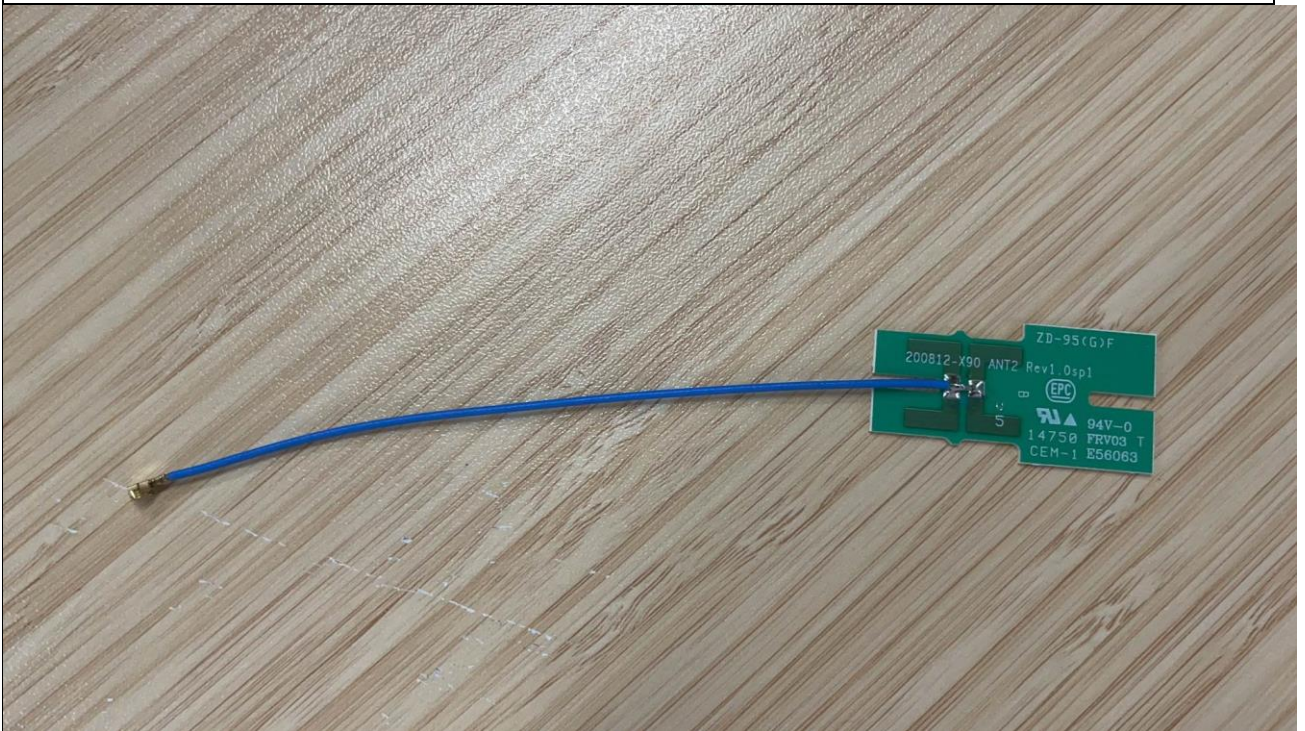
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VII.	Packing Drawing	错误!未定义书签。

I. Specification

Sample Photo

A. Electrical Characteristics

Frequency	5150 ~ 5500MHz
Impedance	50 Ohm
S.W.R.	<= 2.0
Antenna Type	Dipole
Antenna Gain	1.0dBi
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 (Blue)
Connector Type	I-PEX
Connector Pull Test	3Kg

C. Environmental

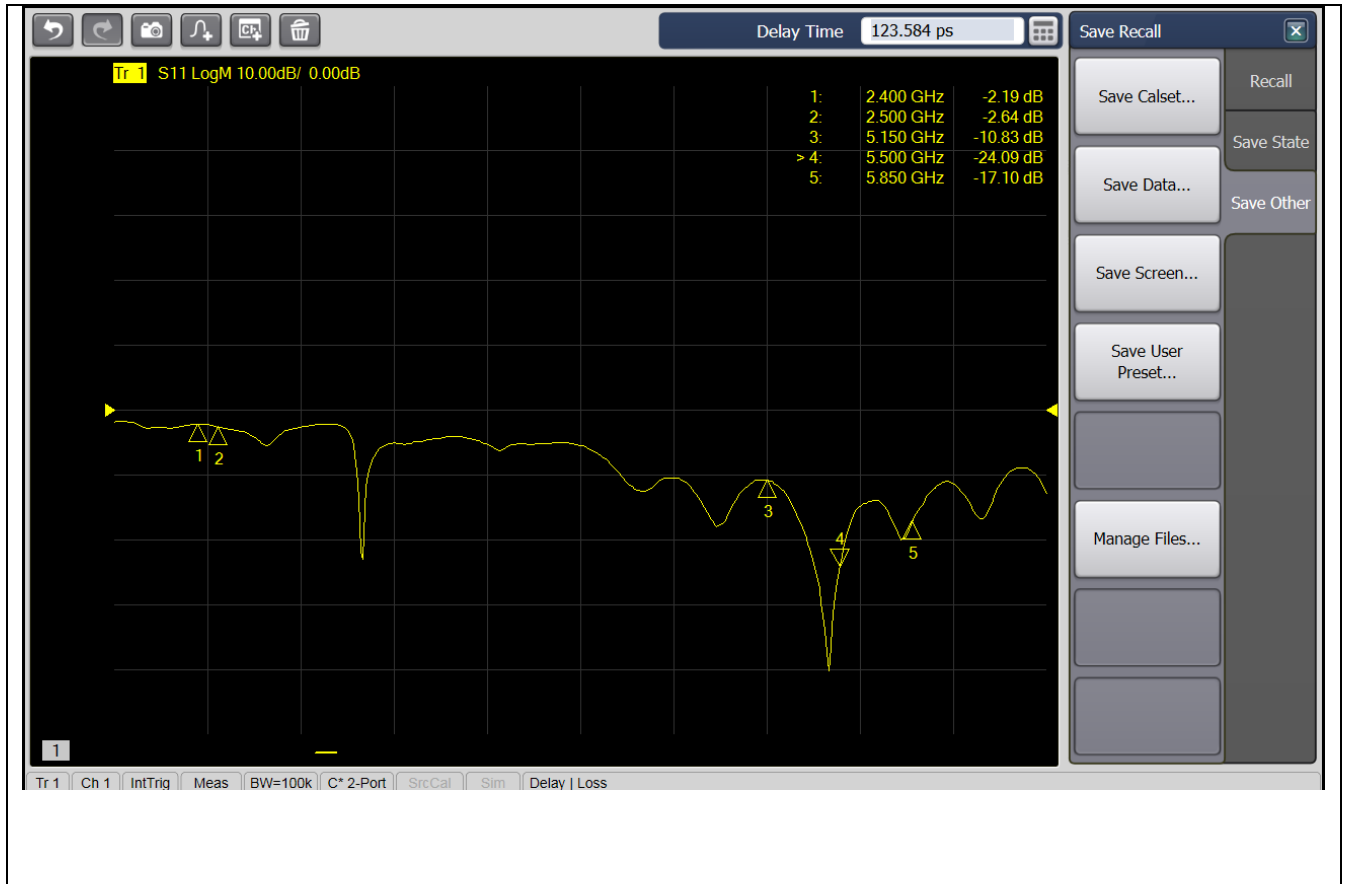
Operation Temperature	- 40℃ ~ + 65℃
Storage Temperature	- 40℃ ~ + 70℃

Product Number: 3101503204

Product Name: Antenna

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II. Antenna – S Parameter Test Data

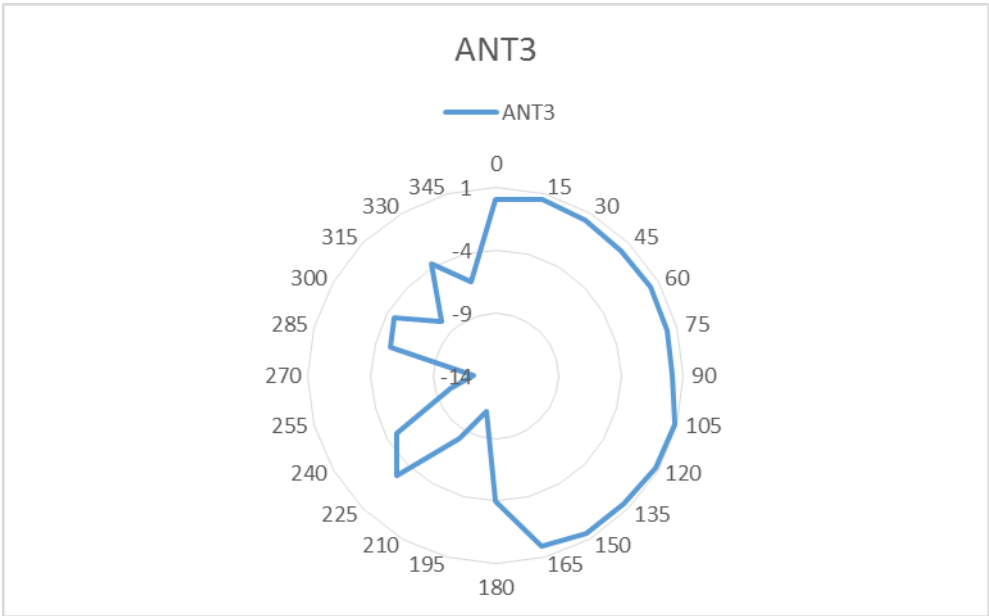


III. Antenna – Radiation Pattern Test Data

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

Freq. (MHz)	5150	5200	5250	5300	5350	5400	5450	5500
Peak Gain (dBi)	0.88	0.94	0.89	0.91	0.96	0.86	0.88	0.93

Theta=90°



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Antenna Specification



Product Number: 3101503205

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Date: _____

File No. : _____

Version: 1.0

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Customer P/N : _____ / _____

TP-LINK P/N: 3101503205

Description: Antenna|5.15-5.5GHz|1.0dBi|LP|Omni|2W|I-PEX|155mm|D1.13mm|DECO
X90|无|X2010-WI155REV1.0|绿色|否|[[自制件/橙色 Cable]

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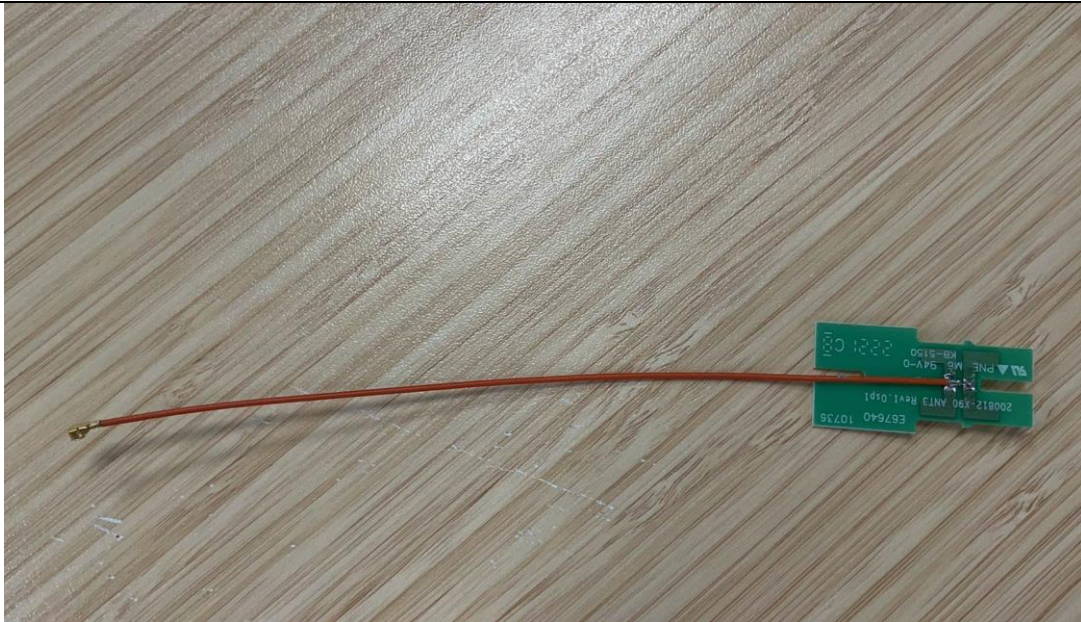
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VII. Packing Drawing	错误!未定义书签。

I. Specification

Sample Photo**A. Electrical Characteristics**

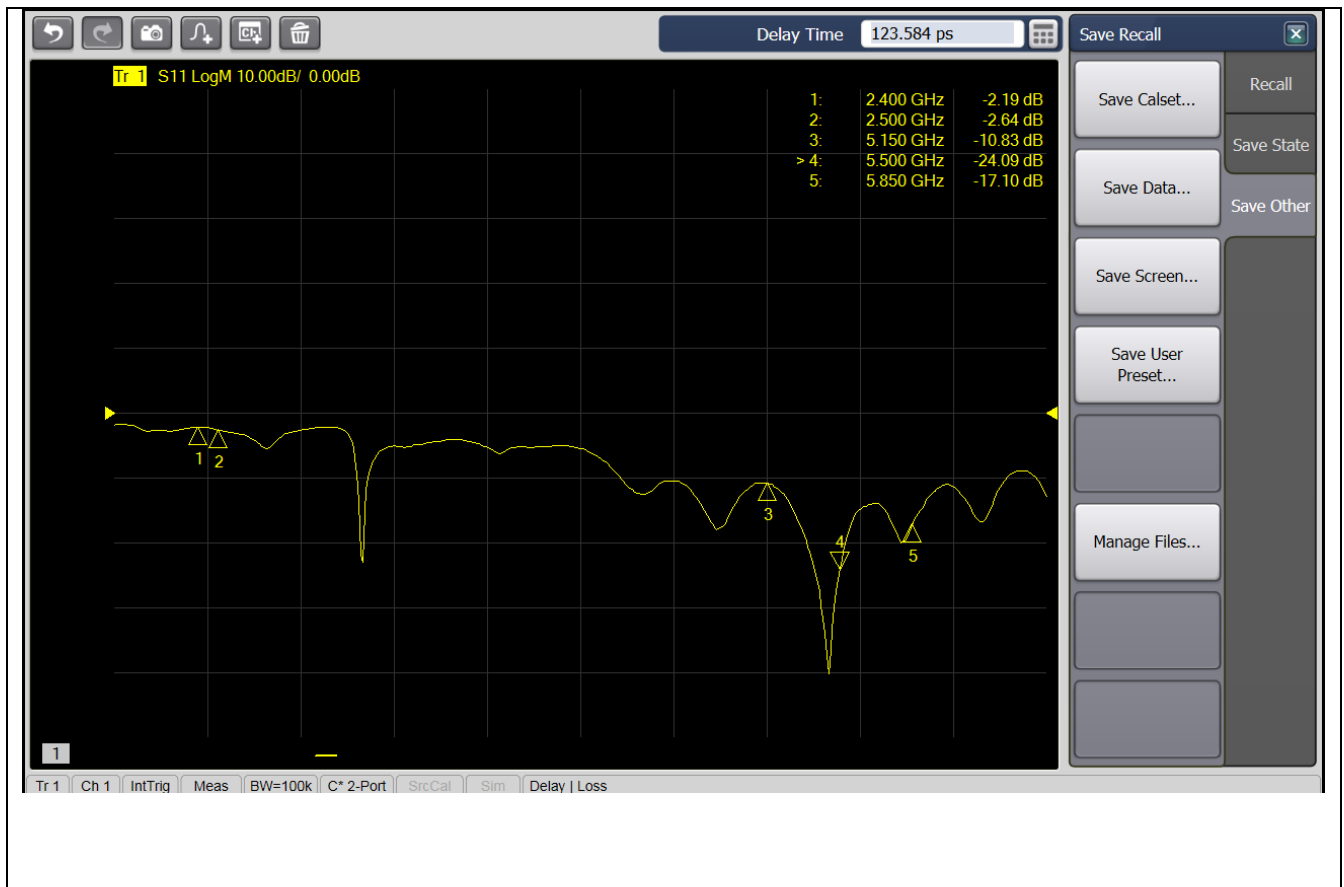
Frequency	5150 ~ 5500MHz
Impedance	50 Ohm
S.W.R.	<= 2.0
Antenna Type	Dipole
Antenna Gain	1.0dBi
Max Input Power	2 W
Polarization	Linear
Radiation pattern	Omni-Directional

B. Material & Mechanical Characteristics

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

C. Environmental

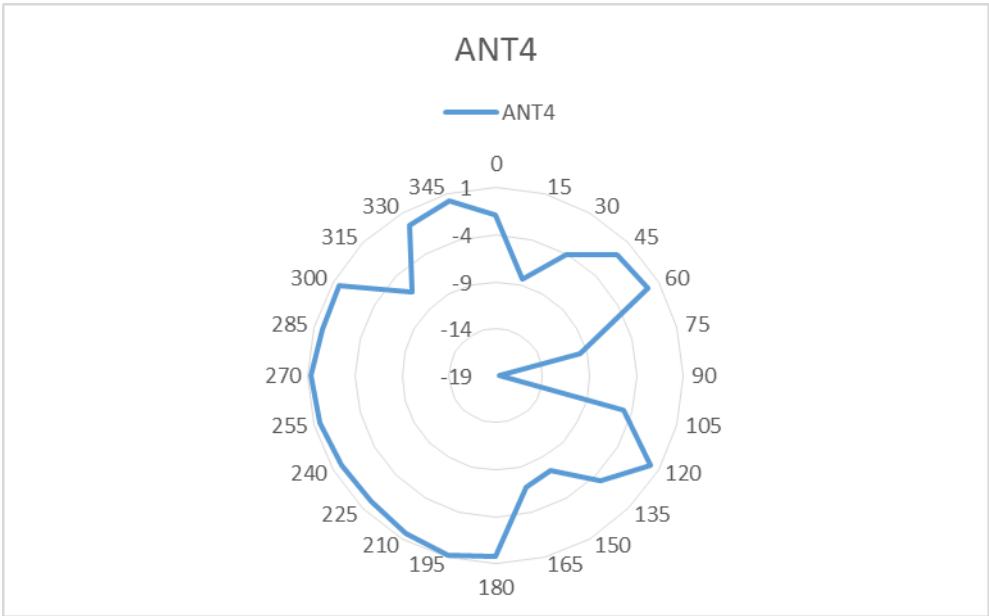
Operation Temperature	- 40℃ ~ + 65℃
Storage Temperature	- 40℃ ~ + 70℃

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)	5150	5200	5250	5300	5350	5400	5450	5500
Peak Gain (dBi)	0.86	0.89	0.90	0.92	0.91	0.94	0.97	0.91

Theta=90°



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Version: 1.0

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Customer P/N : _____ / _____

TP-LINK P/N: ANT1

Description:

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VII.	Packing Drawing	错误!未定义书签。

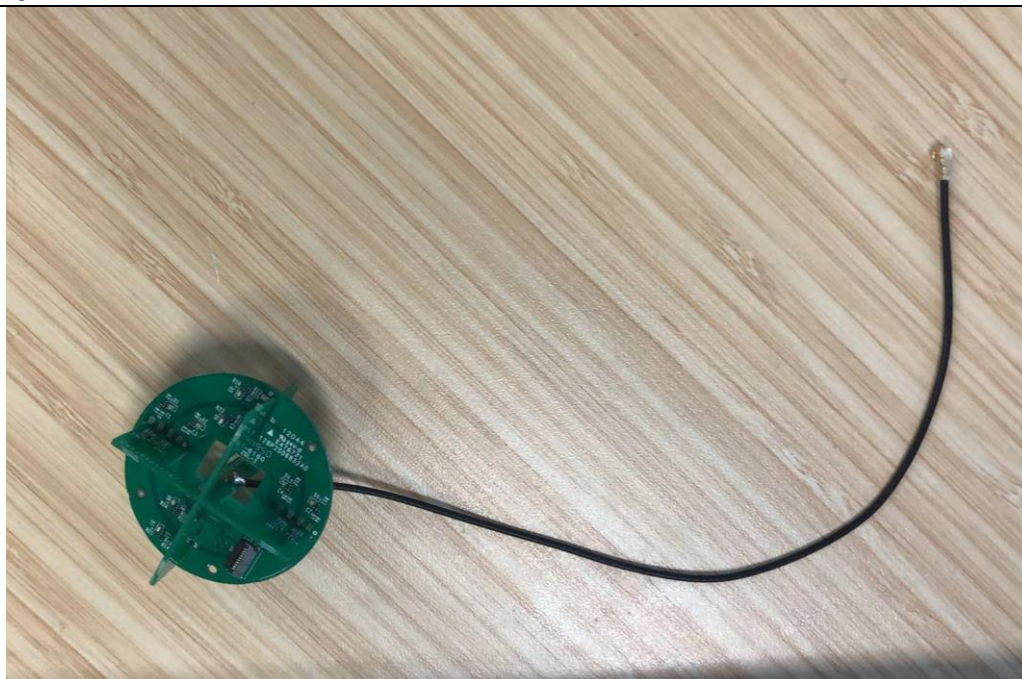
Product Number:

Product Name: Antenna

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I. Specification

Sample Photo



A. Electrical Characteristics

Frequency	5450 ~ 5750MHz
Impedance	50 Ohm
S.W.R.	≤ 2.0
Antenna Type	Dipole
Antenna Gain	1.0dBi
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

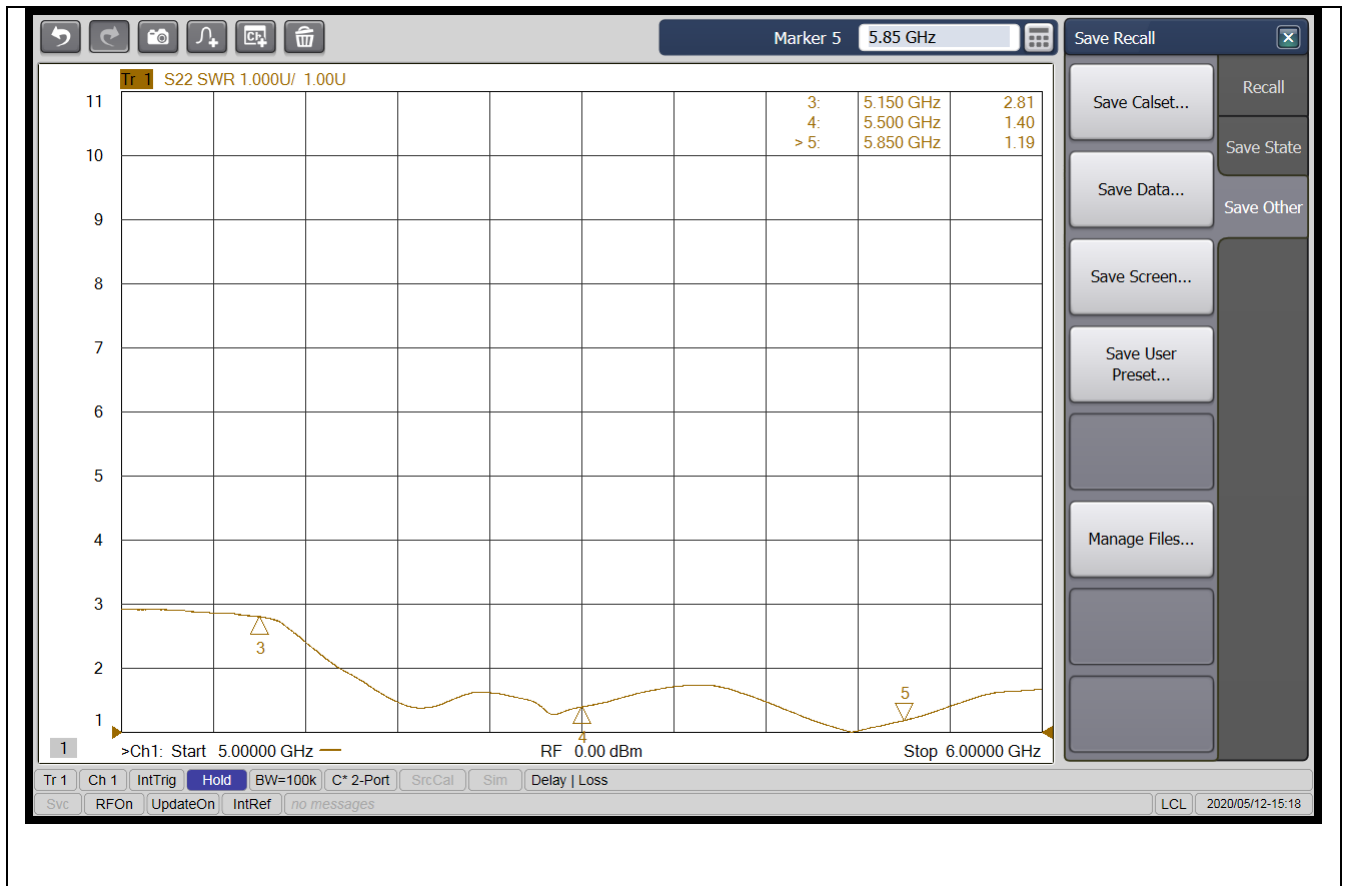
Operation Temperature	- 40℃ ~ + 65℃
Storage Temperature	- 40℃ ~ + 70℃

Product Number:

Product Name: Antenna

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II.



III. Antenna – Radiation Pattern Test Data

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

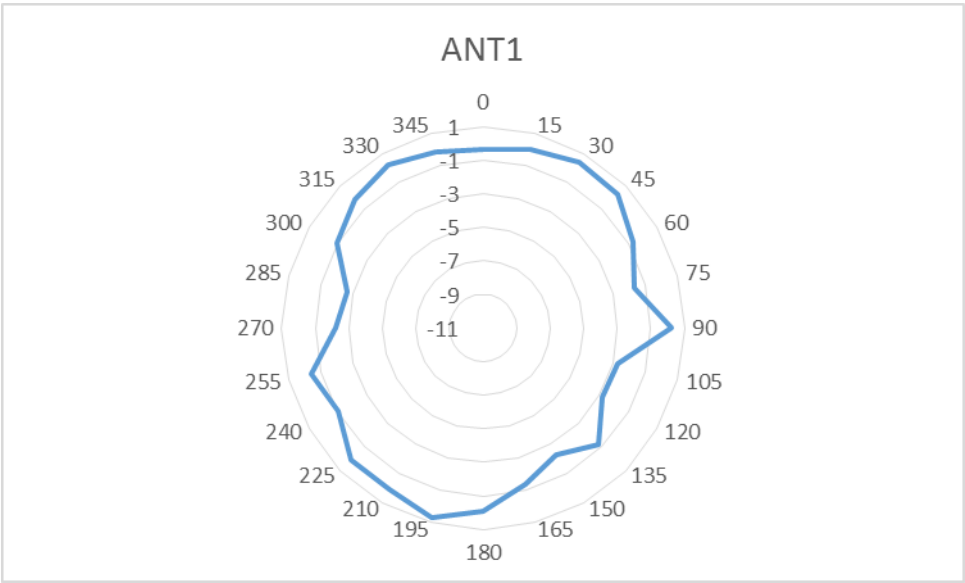
Freq. (MHz)	5450	5500	5550	5600	5650	5700	5750
Peak Gain (dBi)	0.89	0.90	0.86	0.92	0.88	0.96	0.92

Product Number:

Product Name: Antenna



Theta=90°
5600MHz





Antenna Specification



Product Number:

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Version: 1.0

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Customer P/N : _____ / _____

TP-LINK P/N: ANT2

Description:

TP-LINK Checked By:
Customer Approved By:

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Nanshan, Shenzhen, P.R.China

TEL: + 86 755 26612350

+ 86 755 26504400

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VII. Packing Drawing	错误!未定义书签。

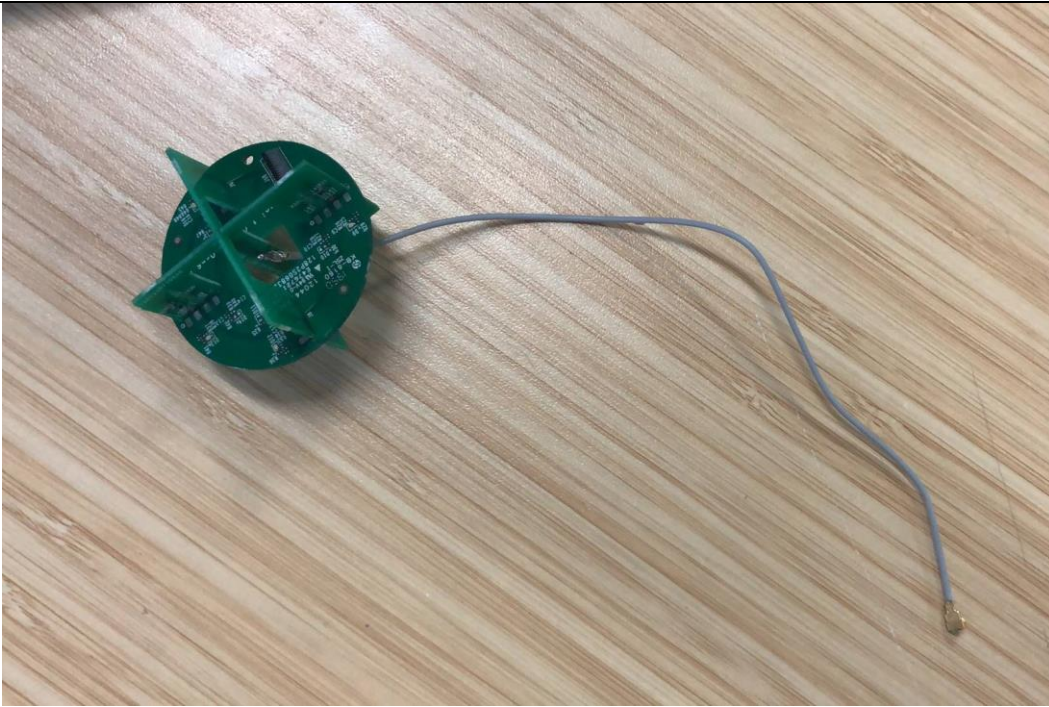
Product Number:

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I. Specification

Sample Photo



A. Electrical Characteristics

Frequency	5450 ~ 5750MHz
Impedance	50 Ohm
S.W.R.	≤ 2.0
Antenna Type	Dipole
Antenna Gain	1.0dBi
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 (Gray)
Connector Type	I-PEX
Connector Pull Test	3Kg

C. Environmental

Operation Temperature	- 40℃ ~ + 65℃
Storage Temperature	- 40℃ ~ + 70℃

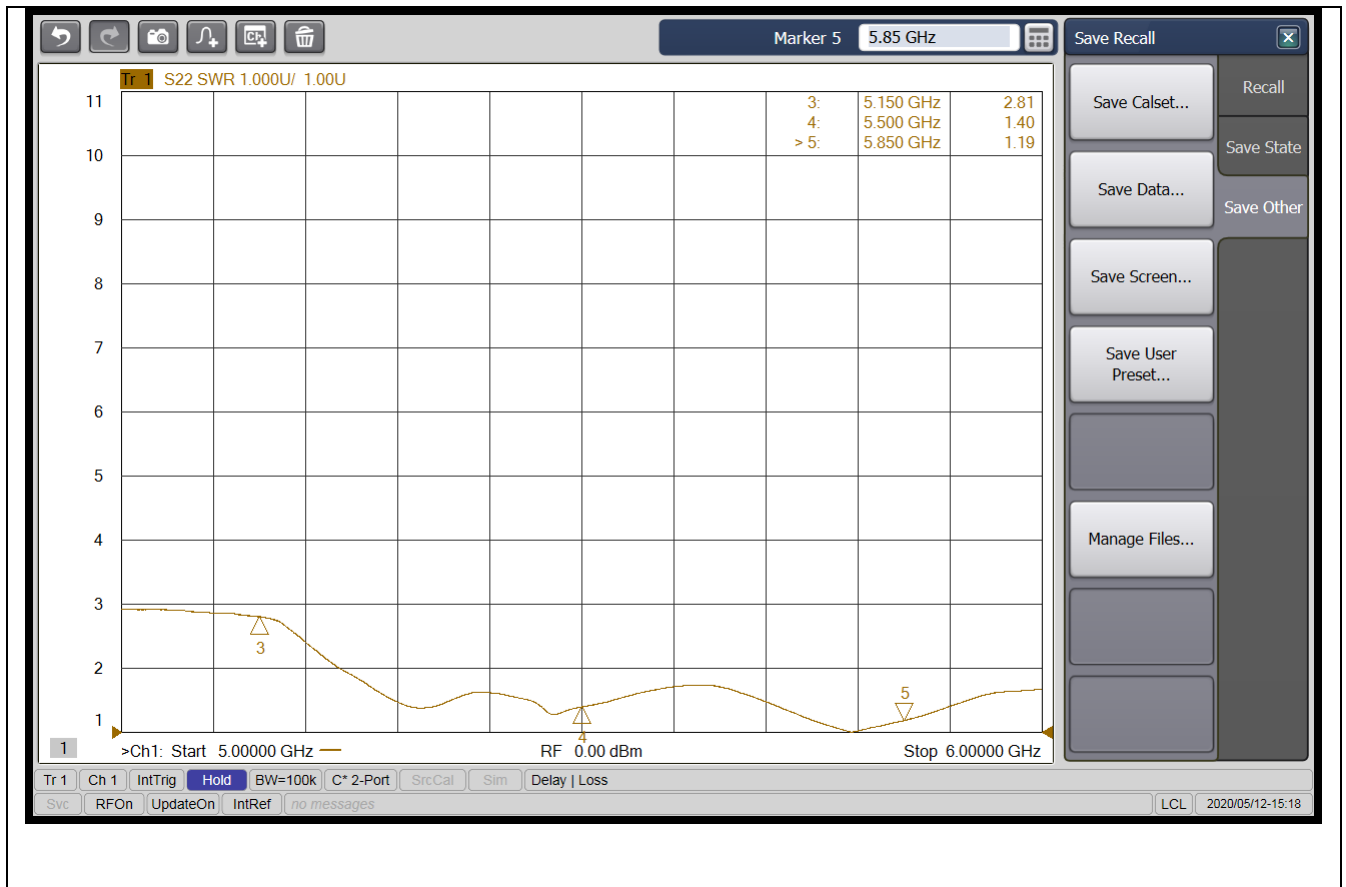
Product Number:

Product Name: Antenna

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II.

III. ata



IV. Antenna – Radiation Pattern Test Data

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

Freq. (MHz)	5450	5500	5550	5600	5650	5700	5750
Peak Gain (dBi)	0.94	0.91	0.89	0.85	0.92	0.94	0.97

Product Number:

Product Name: Antenna



Theta=90°
5600MHz

