

**TP-LINK®**

# Antenna Specification



Product Number: EAP245 4.0

Product Name: Antenna

**TP-LINK®**

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Product Number: EAP245 4.0

Product Name: Antenna

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## Specification For Approval

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

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

Version: 1.0

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

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

TP-LINK P/N: EAP245 4.0

Description:

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

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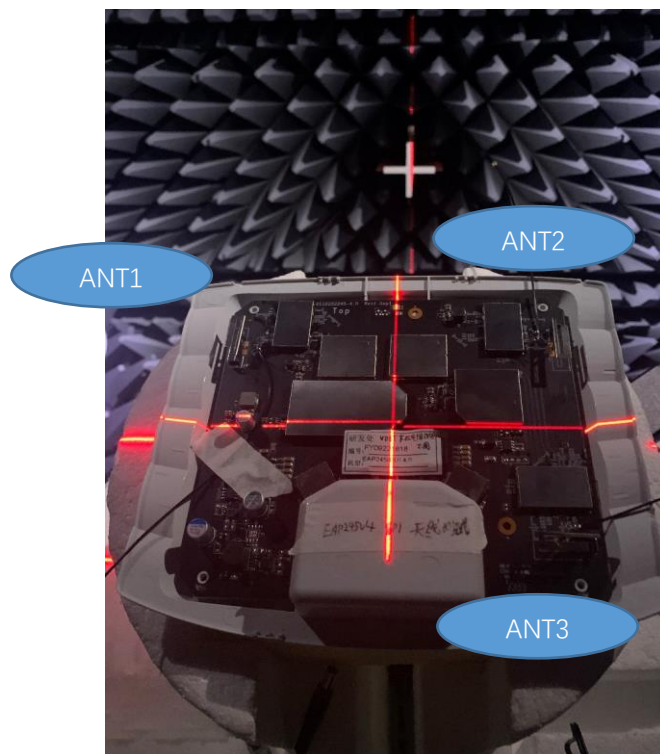
[http:// www.tp-link.com](http://www.tp-link.com)

## Index

I.	Specification .....	2
II.	meter Test Data .....	3
III.	Antenna – Radiation Pattern Test Da .....	5

## I. Specification

Sample Photo



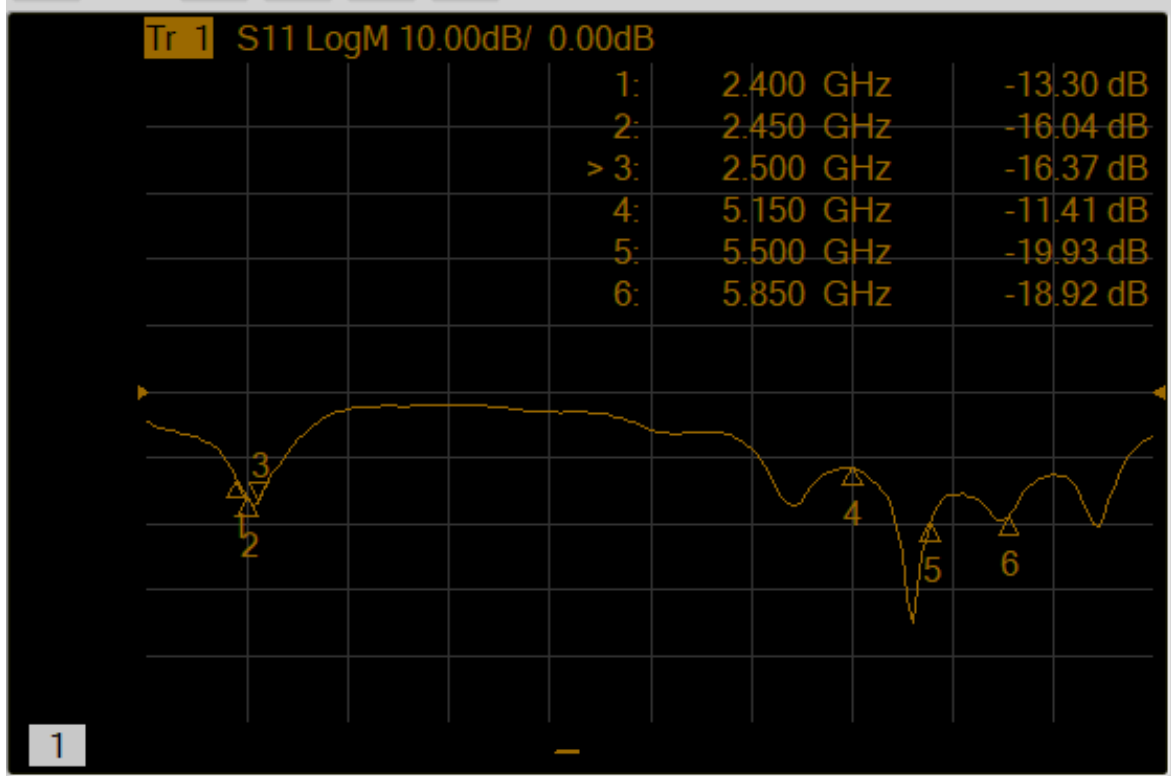
### A. Electrical Characteristics

Frequency	2400 ~ 2500 MHz&5150~5850MHz
Impedance	50 Ohm
S.W.R.	$\leq 2.0$
Antenna Gain	2.0dBi(2400~2500MHz)&3.0dBi (5150~5850MHz)
Max Input Power	$\leq 2$ W
Polarization	Linear
Radiation pattern	Omni-Directional

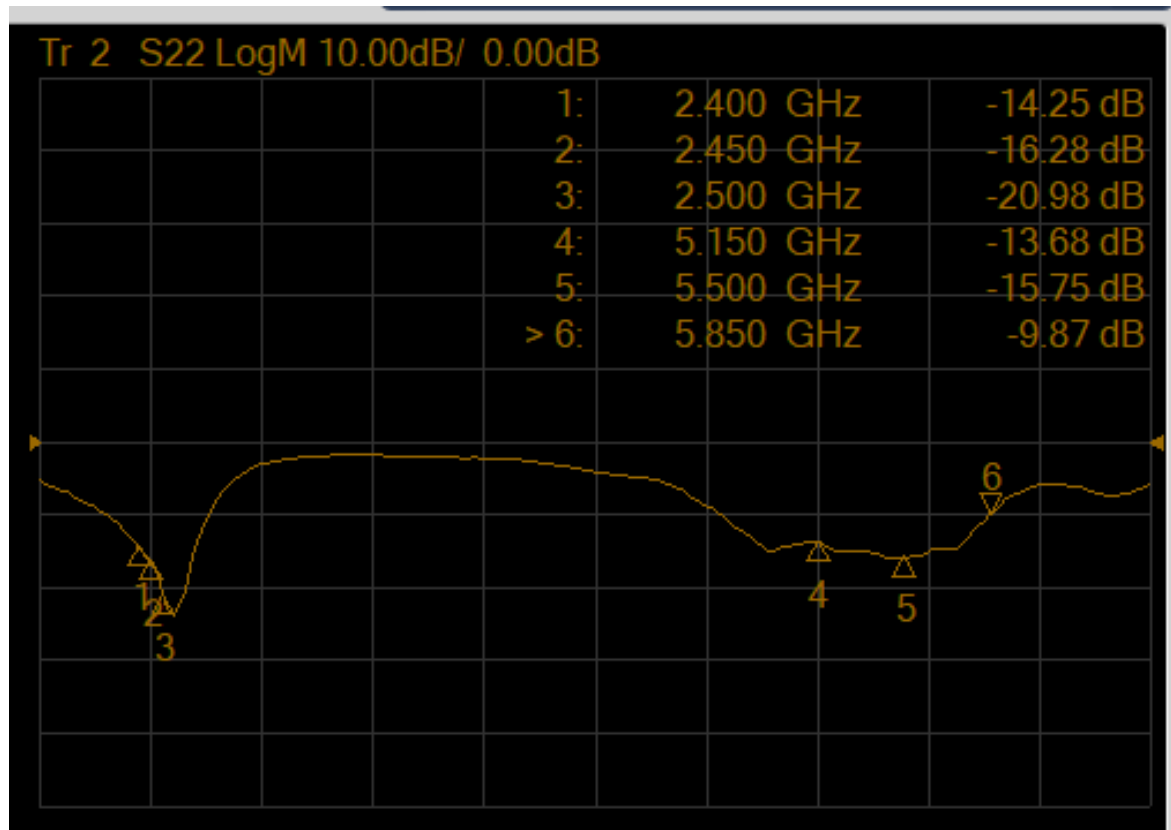
### B. Material & Mechanical Characteristics

Material of Radiator	Cu
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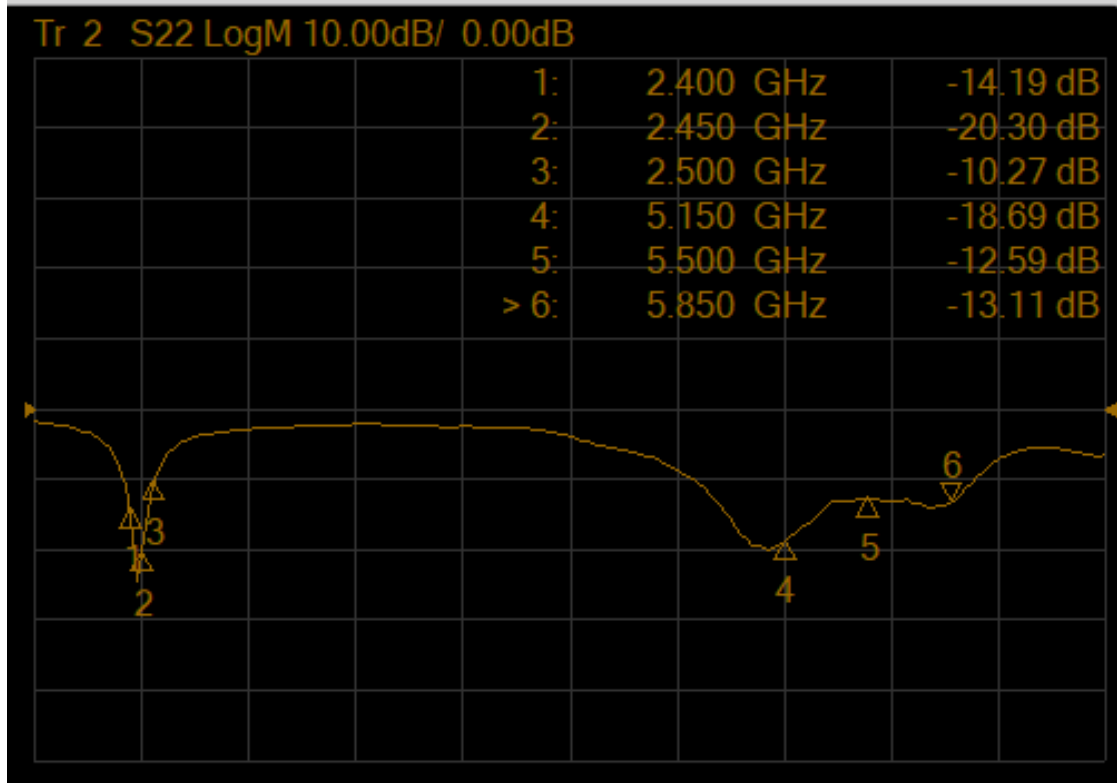
## II. meter Test Data



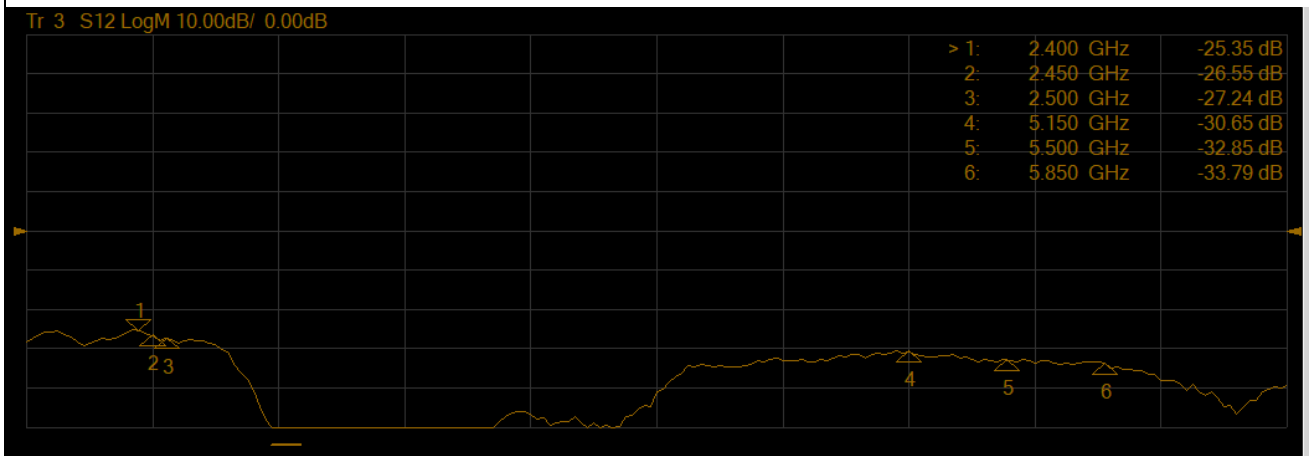
天线 1 回波损耗



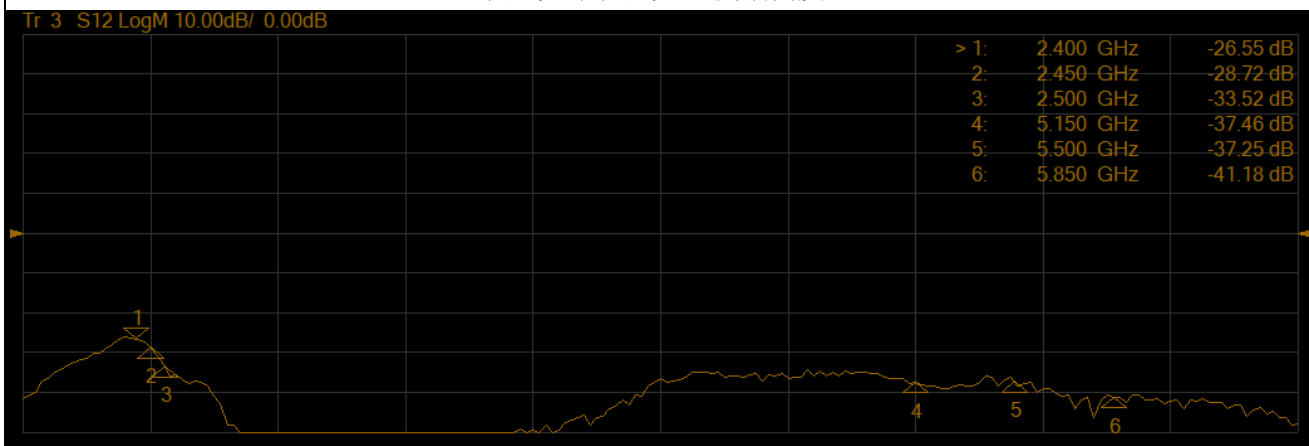
天线 2 回波损耗



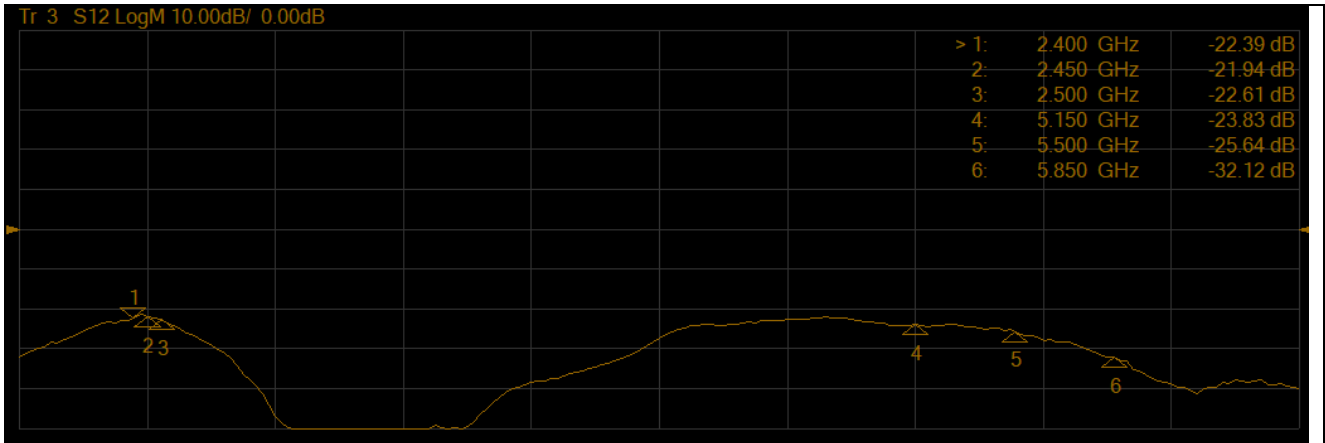
天线 3 回波损耗



天线 1 和天线 2 之间隔离度



天线 1 和天线 3 之间隔离度



天线 2 和天线 3 之间隔离度

### III. Antenna – Radiation Pattern Test Data

Testing Equipment Specification	
Microwave Chamber	Satimo Starlab
Testing Equipment	Agilent E5071C

2400~2500 MHz

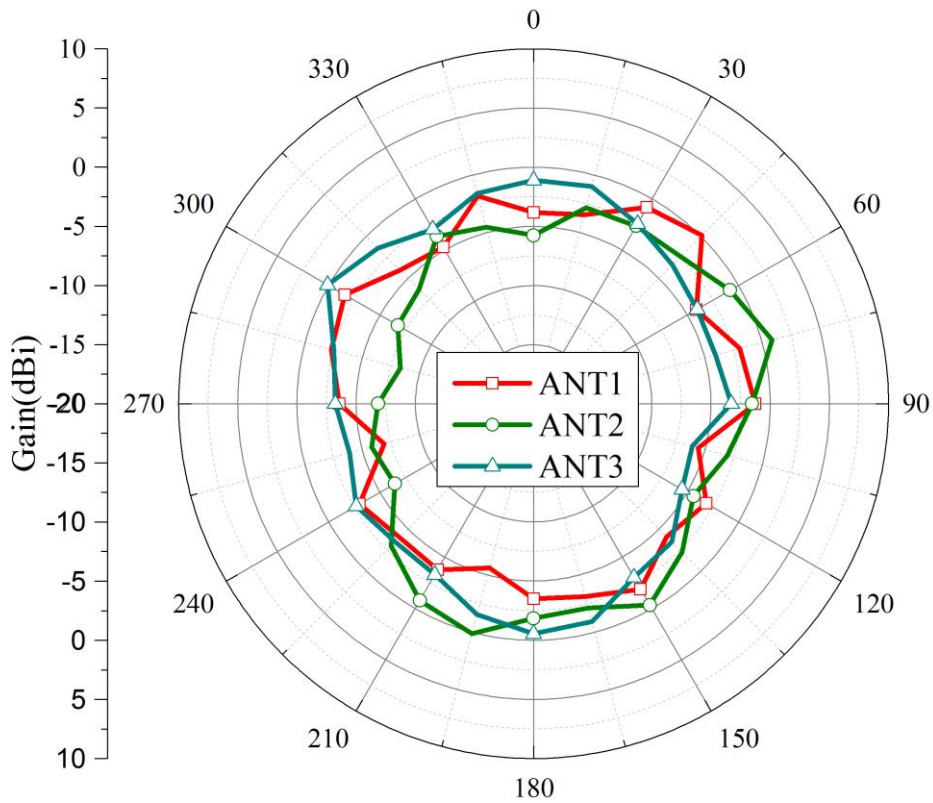
Peak Gain (dB)											
频率	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
ANT1	1.39	1.6	1.56	1.62	1.75	1.79	1.9	1.98	1.76	1.9	1.99
ANT2	1.47	1.82	1.76	1.66	1.69	1.85	1.98	2	1.69	1.71	1.67
ANT3	0.9	1.25	1.25	1.23	1.3	1.36	1.39	1.37	0.97	0.85	0.6



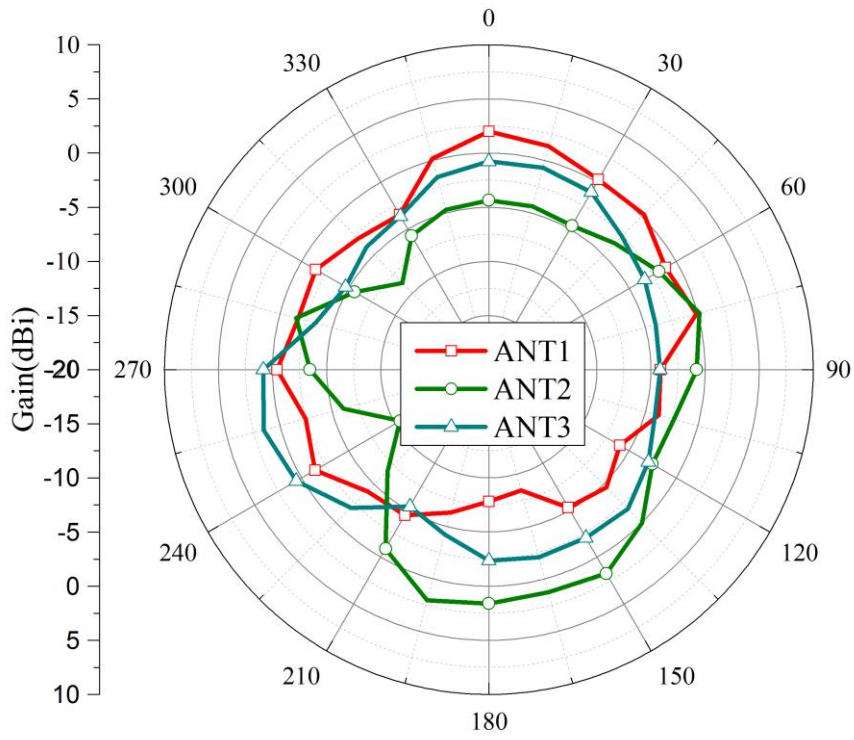
Peak Gain (dB)															
频率	5150	5200	5250	5300	5350	5400	5450	5500	5550	5600	5650	5700	5750	5800	5850
ANT1	2.59	2.56	2.63	2.31	2.56	2.18	2.52	2.46	2.43	2.7	2.59	2.68	3	2.76	2.55
ANT2	2.4	2.73	3	2.48	2.55	2.69	2.64	2.5	2.42	2.47	2.37	2.66	2.65	2.52	2.4
ANT3	2.23	2.48	2.72	2.99	2.93	2.97	2.85	2.65	2.7	2.64	2.19	2.08	2.22	2.24	2.37

2450MHz:

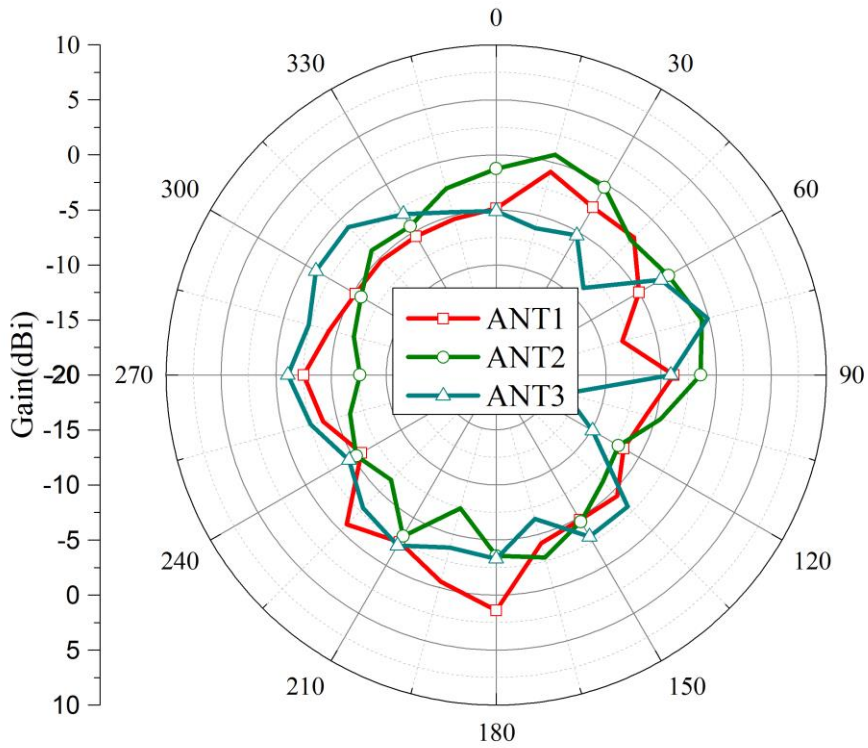
Theta=90°



Theta=60°



5500MHz:  
Theta=90°



Theta=60°

