

# Antenna Specification

## Specification For Approval

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

Version: 1.0

**Manufacture: TP-Link Corporation Limited**

**Address: Room 901, 9/F. , New East Ocean Centre, 9 Science Museum Road, Tsim Sha Tsui, Kowloon, Hong Kong**

Product Model: Deco XE75 pro 3.0

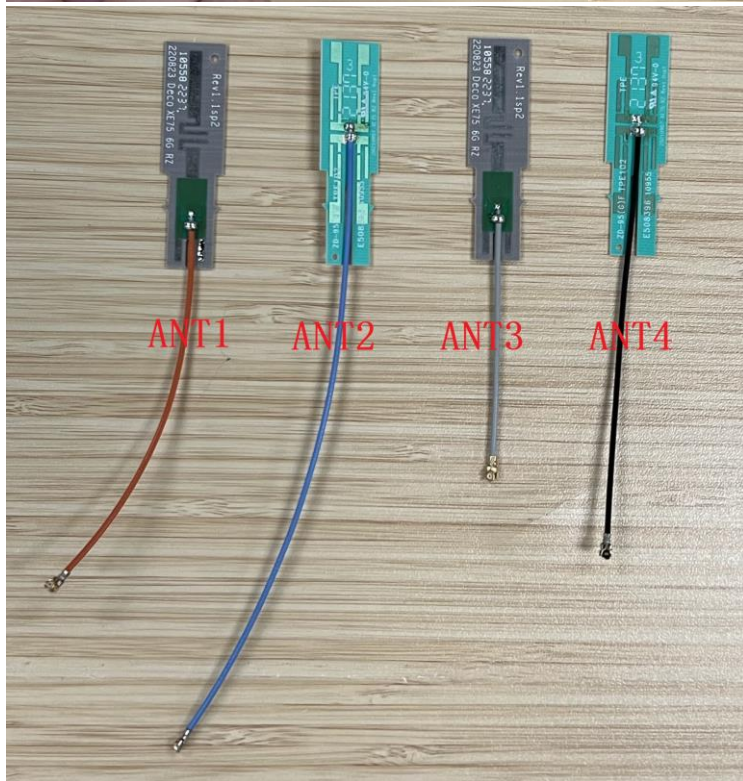
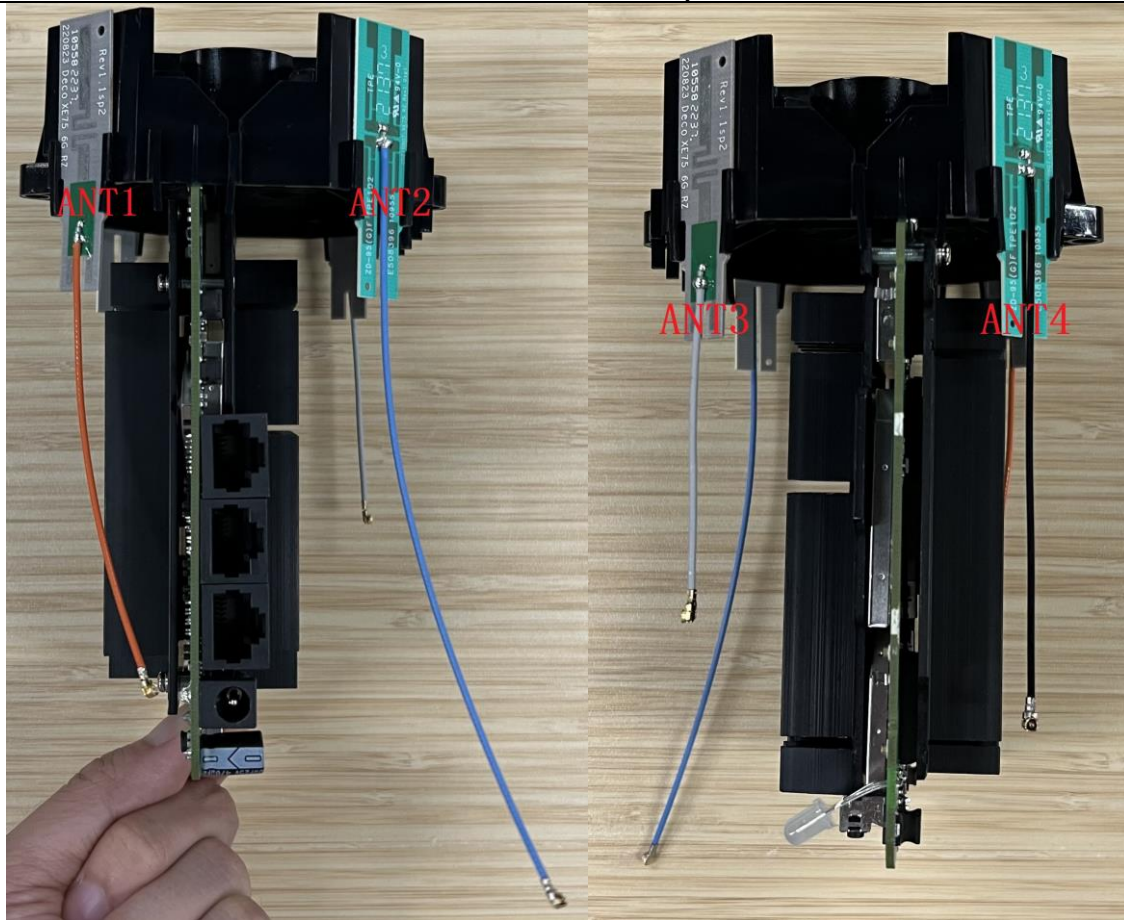
**Checked By:**

# Index

I. Antenna Distribution.....	3
II. Electrical Characteristics .....	4
III. Antenna Peak Gain.....	4
IV. Antenna Radiation Pattern .....	5

# I. Antenna Distribution

Deco XE75 pro 3.0



## II. Electrical Characteristics

Ant1	
Frequency	5925-7125MHz
Impedance	50Ohm
Antenna Type	Dipole
Antenna Gain	0.96dBi@5925-7125MHz
Radiation pattern	Omni-Directional

Ant2	
Frequency	2400~2500 & 5150~5850MHz
Impedance	50Ohm
Antenna Type	Dipole
Antenna Gain	1.97dBi@2400~2500MHz 0.97dBi@5150~5850MHz
Radiation pattern	Omni-Directional

Ant3	
Frequency	5925-7125MHz
Impedance	50Ohm
Antenna Type	Dipole
Antenna Gain	0.99dBi@5925-7125MHz
Radiation pattern	Omni-Directional

Ant4	
Frequency	2400~2500 & 5150~5850MHz
Impedance	50Ohm
Antenna Type	Dipole
Antenna Gain	1.95dBi@2400~2500MHz 0.95dBi@5150~5850MHz
Radiation pattern	Omni-Directional

## III. Antenna Peak Gain

Ant1											
Frequency(MHz)	5925	5975	6025	6075	6125	6175	6225	6275	6325	6375	6425
Gain(dBi)	0.91	0.93	0.90	0.89	0.95	0.93	0.93	0.96	0.90	0.92	0.95
Frequency(MHz)	6475	6525	6575	6625	6675	6725	6775	6825	6875	6925	6975
Gain(dBi)	0.94	0.92	0.94	0.91	0.96	0.92	0.90	0.89	0.94	0.95	0.91
Frequency(MHz)	7025	7075	7125								
Gain(dBi)	0.93	0.88	0.81								

Ant2											
Frequency(MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Gain(dBi)	1.91	1.96	1.97	1.93	1.89	1.94	1.95	1.95	1.97	1.83	1.90
Frequency(MHz)	5150	5200	5250	5300	5350	5400	5450	5500	5550	5600	5650
Gain(dBi)	0.79	0.87	0.93	0.83	0.90	0.89	0.92	0.97	0.95	0.89	0.95
Frequency(MHz)	5700	5750	5800	5850							
Gain(dBi)	0.92	0.93	0.91	0.89							

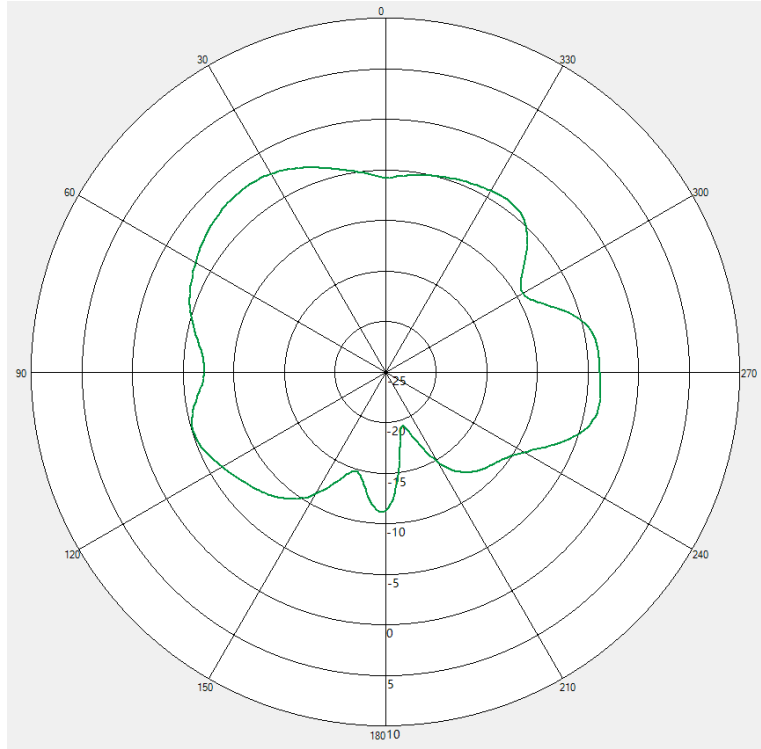
<b>Ant3</b>											
<b>Frequency(MHz)</b>	5925	5975	6025	6075	6125	6175	6225	6275	6325	6375	6425
<b>Gain(dBi)</b>	0.92	0.97	0.91	0.99	0.89	0.98	0.93	0.96	0.94	0.95	0.93
<b>Frequency(MHz)</b>	6475	6525	6575	6625	6675	6725	6775	6825	6875	6925	6975
<b>Gain(dBi)</b>	0.92	0.89	0.97	0.90	0.94	0.93	0.96	0.97	0.94	0.89	0.91
<b>Frequency(MHz)</b>	7025	7075	7125								
<b>Gain(dBi)</b>	0.85	0.90	0.91								

<b>Ant4</b>											
<b>Frequency(MHz)</b>	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
<b>Gain(dBi)</b>	1.88	1.89	1.91	1.95	1.92	1.89	1.91	1.85	1.84	1.85	1.90
<b>Frequency(MHz)</b>	5150	5200	5250	5300	5350	5400	5450	5500	5550	5600	5650
<b>Gain(dBi)</b>	0.89	0.91	0.94	0.94	0.93	0.89	0.95	0.91	0.94	0.90	0.89
<b>Frequency(MHz)</b>	5700	5750	5800	5850							
<b>Gain(dBi)</b>	0.94	0.89	0.82	0.80							

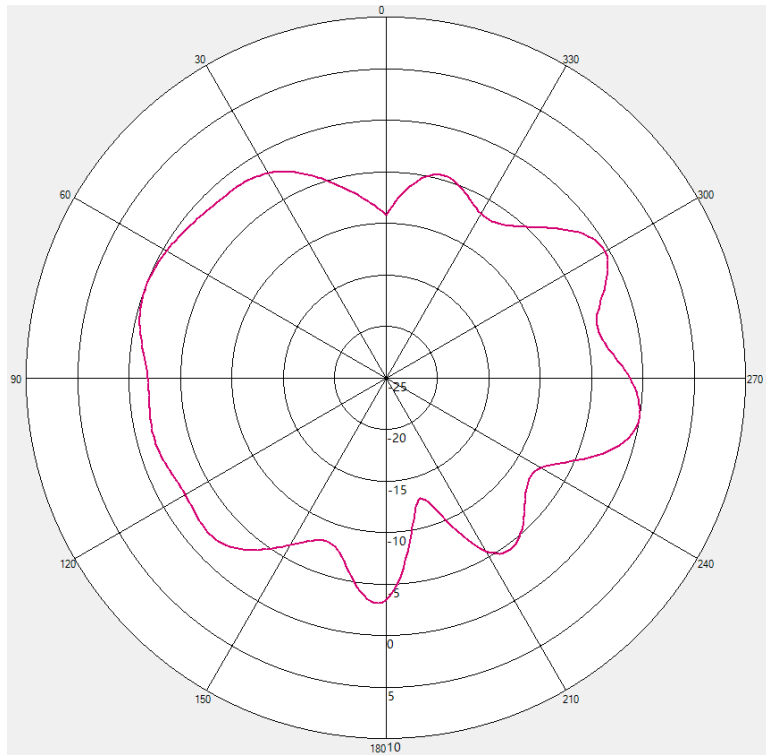
## IV. Antenna Radiation Pattern

<b>Ant1</b>
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6275MHz

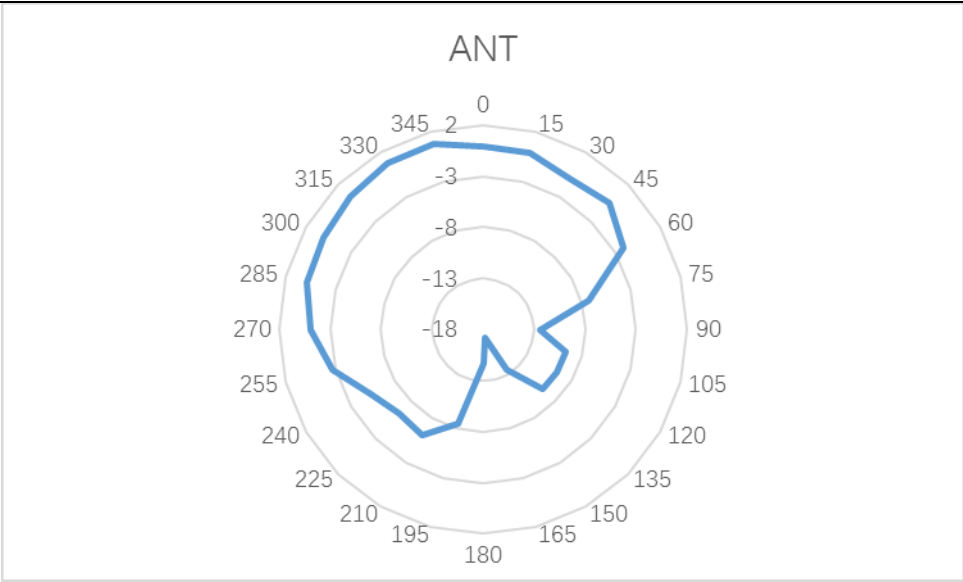


6925MHz

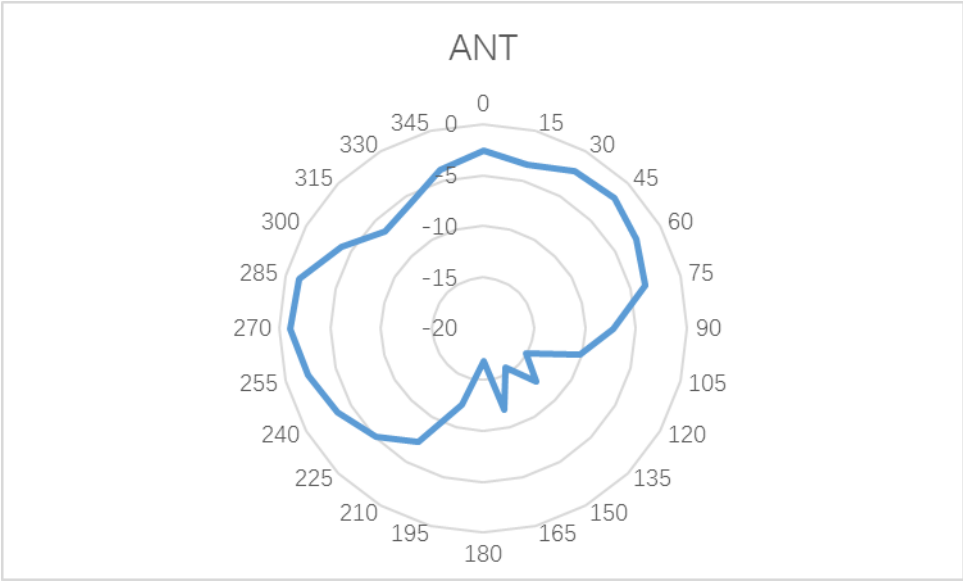


**Ant2**

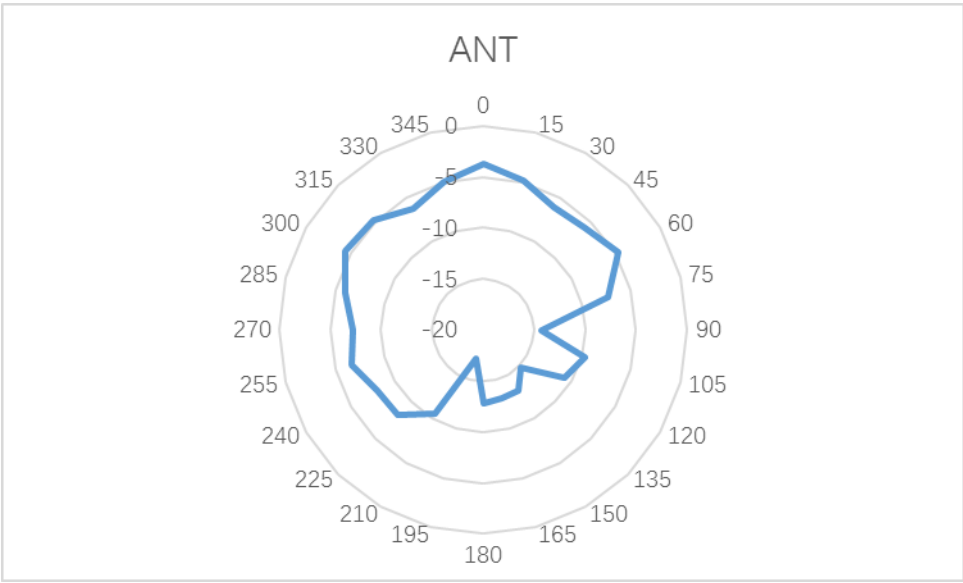
2440MHz



5250MHz

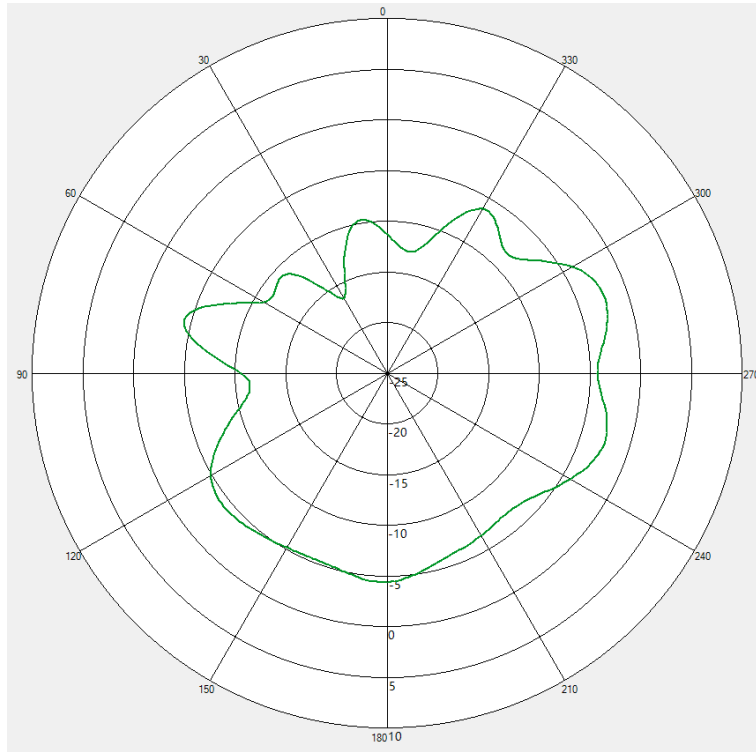


5750MHz

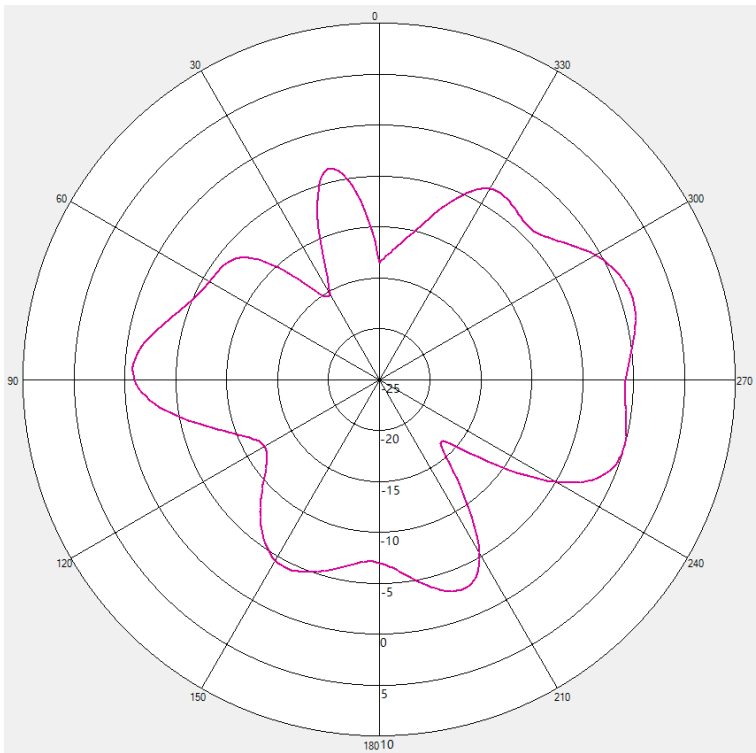


**Ant3**

6275MHz



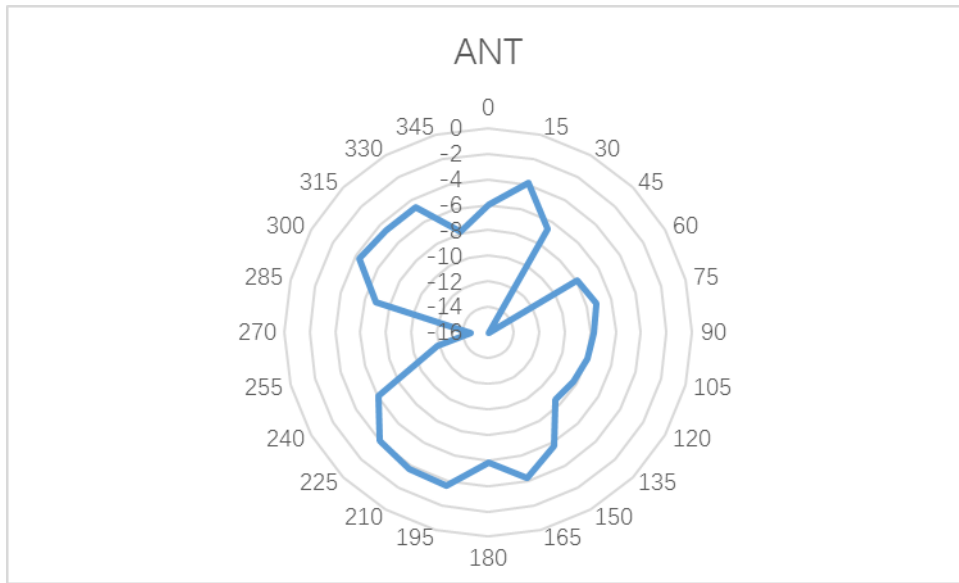
6925MHz



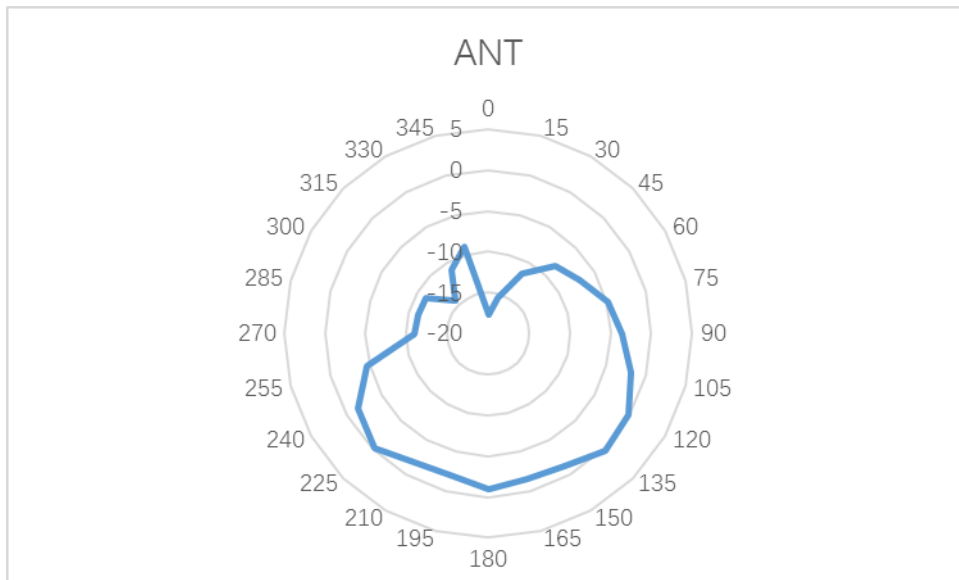
Ant4



2440MHz



5250MHz



5750MHz

