

# Antenna Specification

## Specification For Approval

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

Version: 1.0

Product Model: Deco X50-PoE(US)

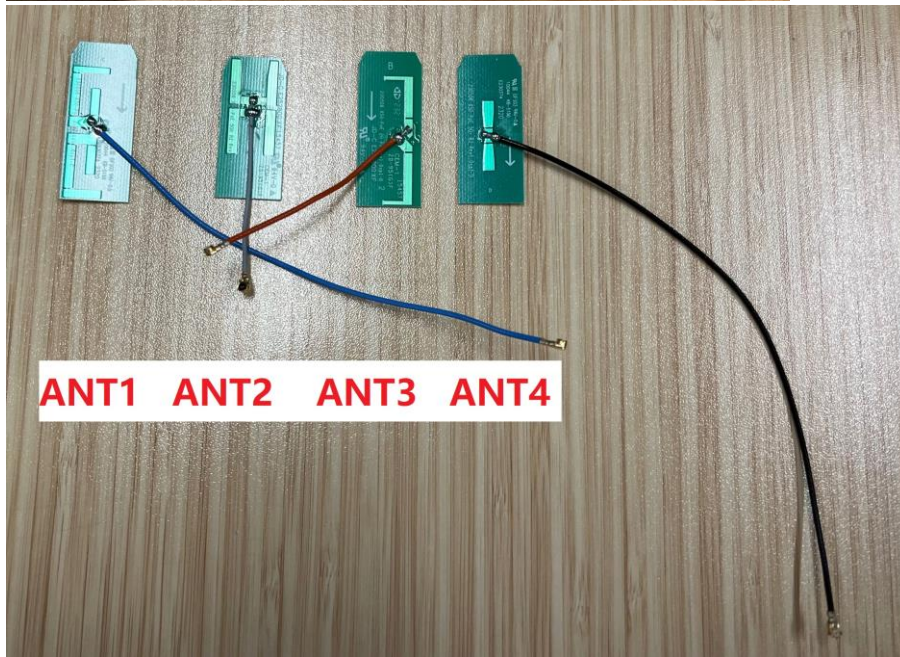
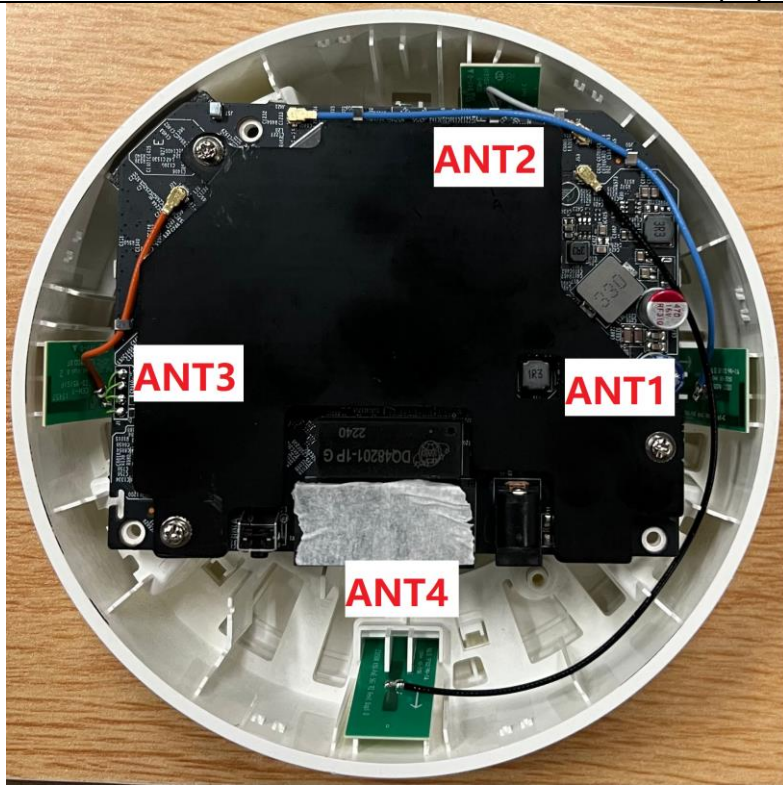
**Checked By:**

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# I. Antenna Distribution

Deco X50-PoE(US)



# II. Electrical Characteristics

Ant1	
Frequency	2400~2500 & 5150~5850MHz
Impedance	50Ohm
Antenna Type	Dipole
Antenna Gain	1.97dBi@2400~2500MHz 0.97dBi@5150~5850MHz

<b>Radiation pattern</b>	Omni-Directional
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<b>Ant2</b>	
<b>Frequency</b>	5150~5850MHz
<b>Impedance</b>	50Ohm
<b>Antenna Type</b>	Dipole
<b>Antenna Gain</b>	0.97dBi@5150~5850MHz
<b>Radiation pattern</b>	Omni-Directional

<b>Ant3</b>	
<b>Frequency</b>	2400~2500MHz
<b>Impedance</b>	50Ohm
<b>Antenna Type</b>	Dipole
<b>Antenna Gain</b>	1.95dBi@2400~2500MHz
<b>Radiation pattern</b>	Omni-Directional

<b>Ant4</b>	
<b>Frequency</b>	5150~5850MHz
<b>Impedance</b>	50Ohm
<b>Antenna Type</b>	Dipole
<b>Antenna Gain</b>	0.98dBi@5150~5850MHz
<b>Radiation pattern</b>	Omni-Directional

### III. Antenna Peak Gain

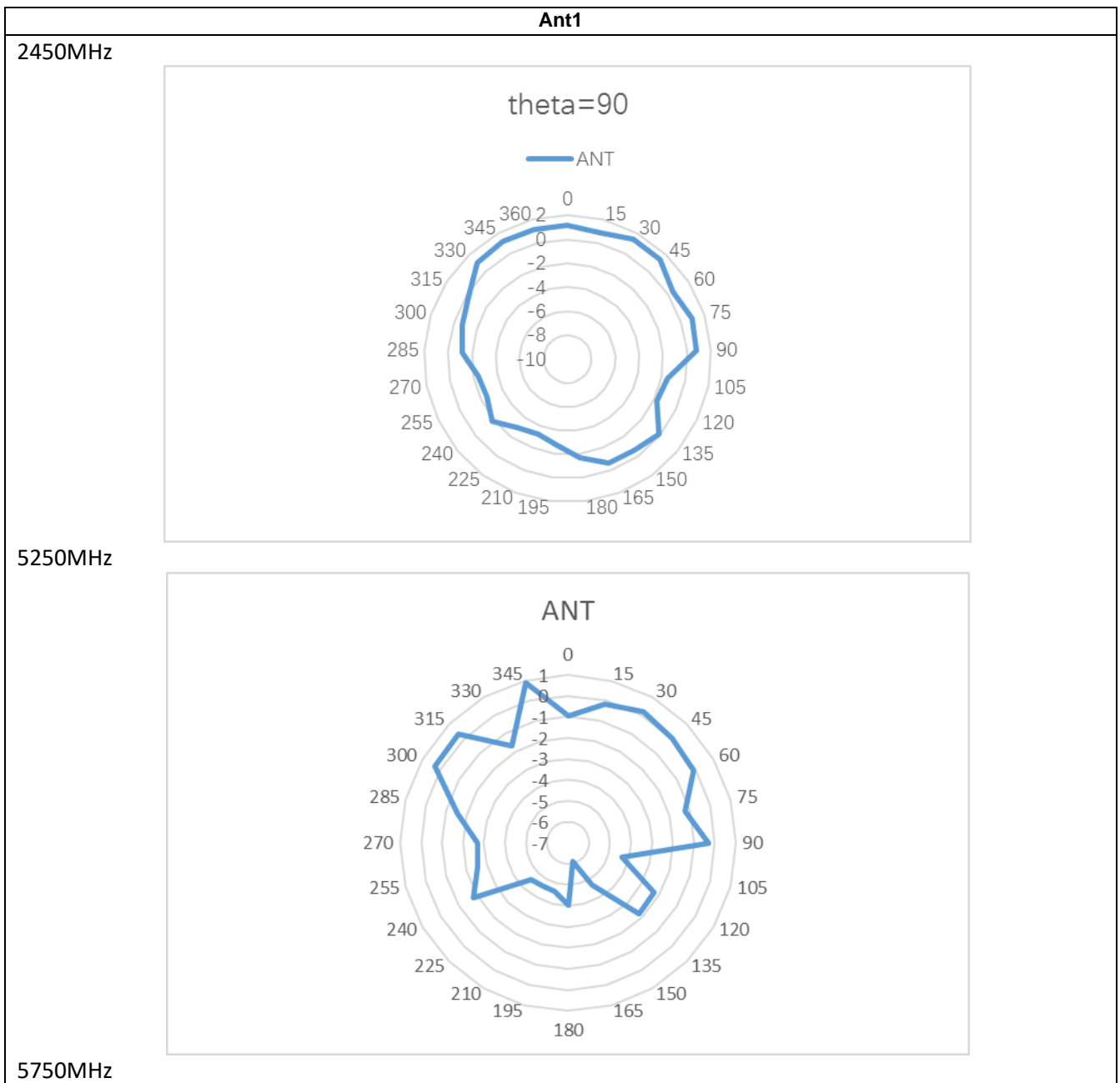
<b>Ant1</b>											
<b>Frequency(MHz)</b>	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
<b>Gain(dBi)</b>	1.83	1.86	1.82	1.84	1.85	1.80	1.79	1.97	1.89	1.83	1.88
<b>Frequency(MHz)</b>	5150	5200	5250	5300	5350	5400	5450	5500	5550	5600	5650
<b>Gain(dBi)</b>	0.79	0.87	0.93	0.83	0.90	0.89	0.92	0.97	0.95	0.89	0.95
<b>Frequency(MHz)</b>	5700	5750	5800	5850							
<b>Gain(dBi)</b>	0.92	0.93	0.91	0.89							

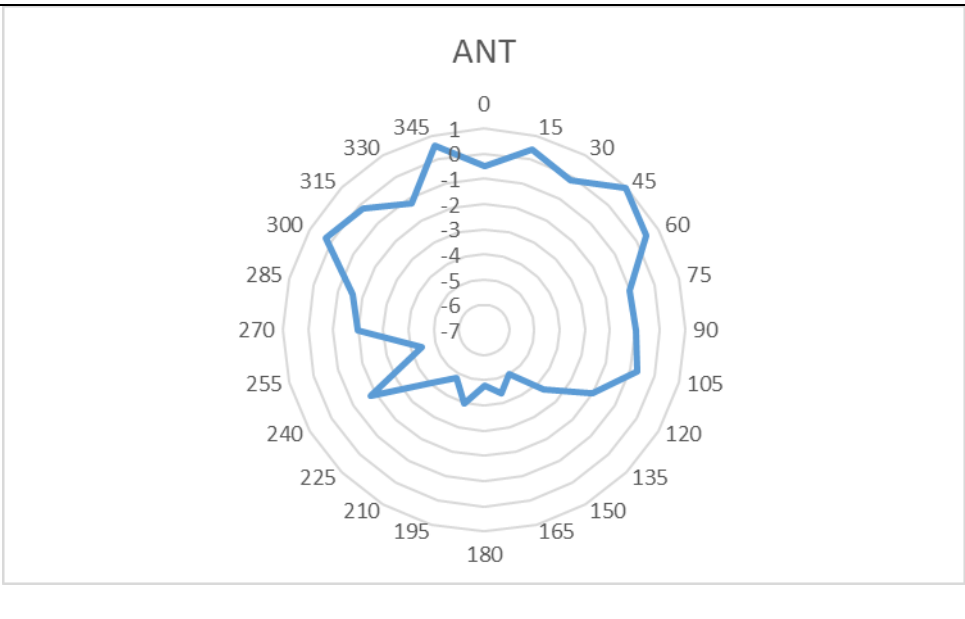
<b>Ant2</b>											
<b>Frequency(MHz)</b>	5150	5200	5250	5300	5350	5400	5450	5500	5550	5600	5650
<b>Gain(dBi)</b>	0.97	0.93	0.97	0.88	0.92	0.89	0.92	0.95	0.96	0.90	0.93
<b>Frequency(MHz)</b>	5700	5750	5800	5850							
<b>Gain(dBi)</b>	0.94	0.96	0.91	0.83							

<b>Ant3</b>											
<b>Frequency(MHz)</b>	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
<b>Gain(dBi)</b>	1.90	1.93	1.91	1.88	1.84	1.91	1.95	1.92	1.90	1.87	1.89

<b>Ant4</b>											
<b>Frequency(MHz)</b>	5150	5200	5250	5300	5350	5400	5450	5500	5550	5600	5650
<b>Gain(dBi)</b>	0.94	0.96	0.98	0.94	0.95	0.94	0.93	0.89	0.95	0.89	0.88
<b>Frequency(MHz)</b>	5700	5750	5800	5850							
<b>Gain(dBi)</b>	0.96	0.92	0.94	0.90							

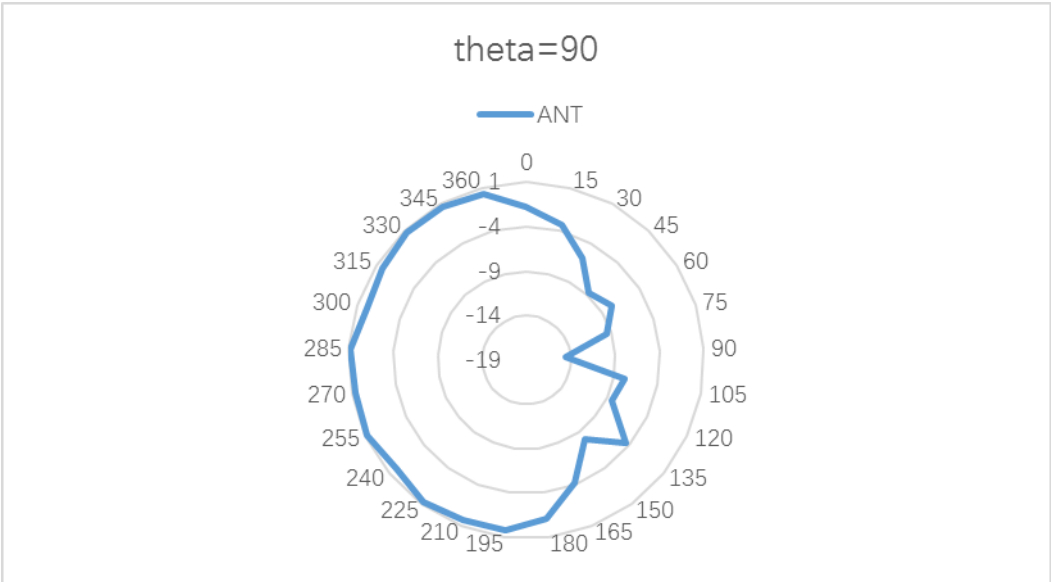
# IV. Antenna Radiation Pattern



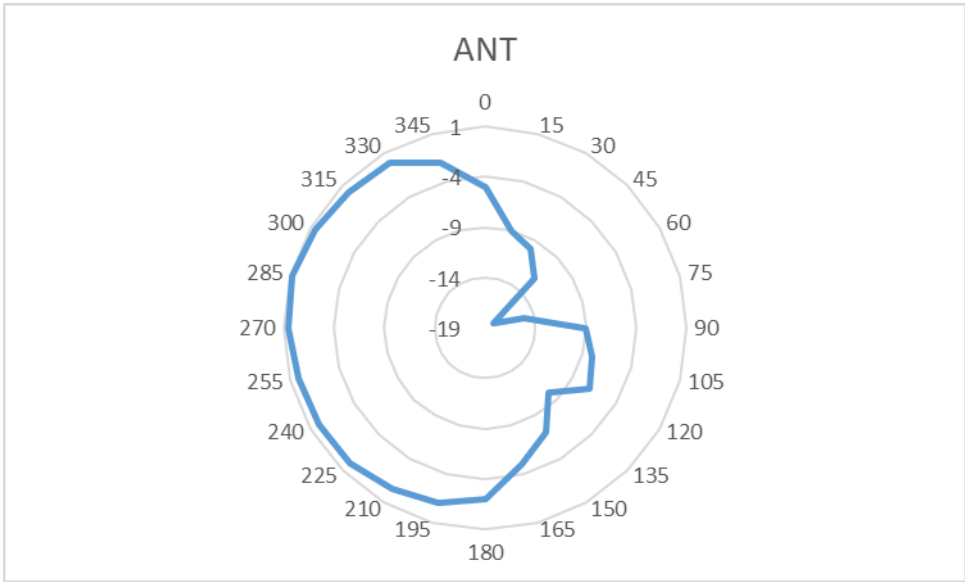


### Ant2

5250MHz

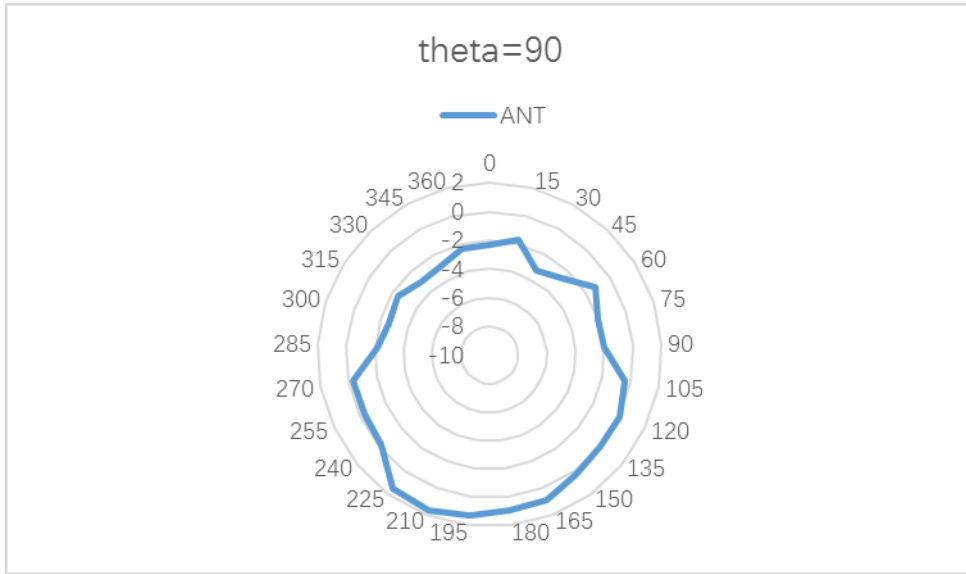


5750MHz



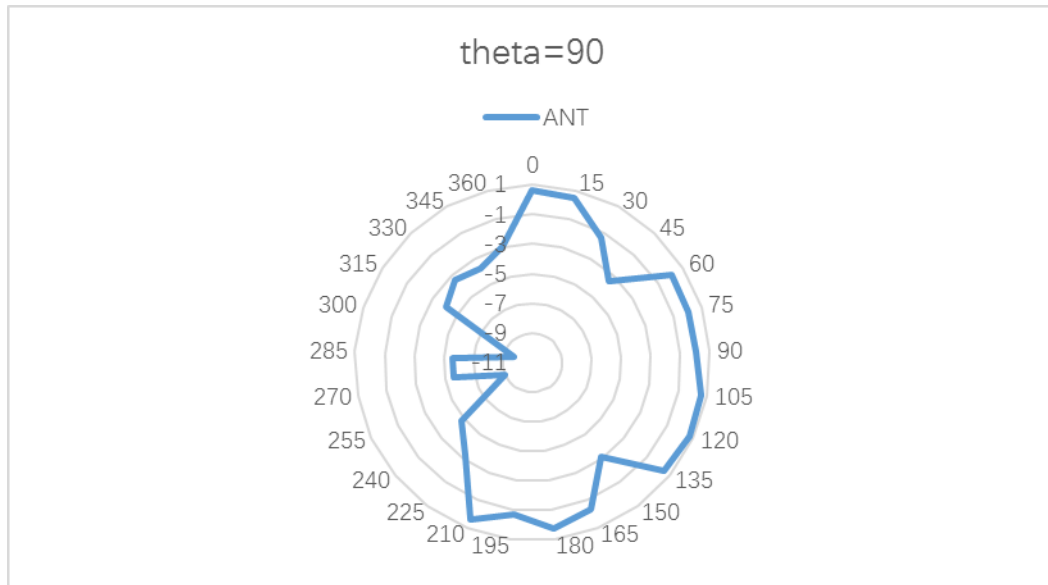
**Ant3**

2440MHz



**Ant4**

5250MHz



5750MHz

# ANT

