



# Antenna Specification



Product Number: EC60(US) 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: EC60(US) 4.0

Description:

|                       |
|-----------------------|
| TP-LINK Checked By:   |
| Customer Approved By: |

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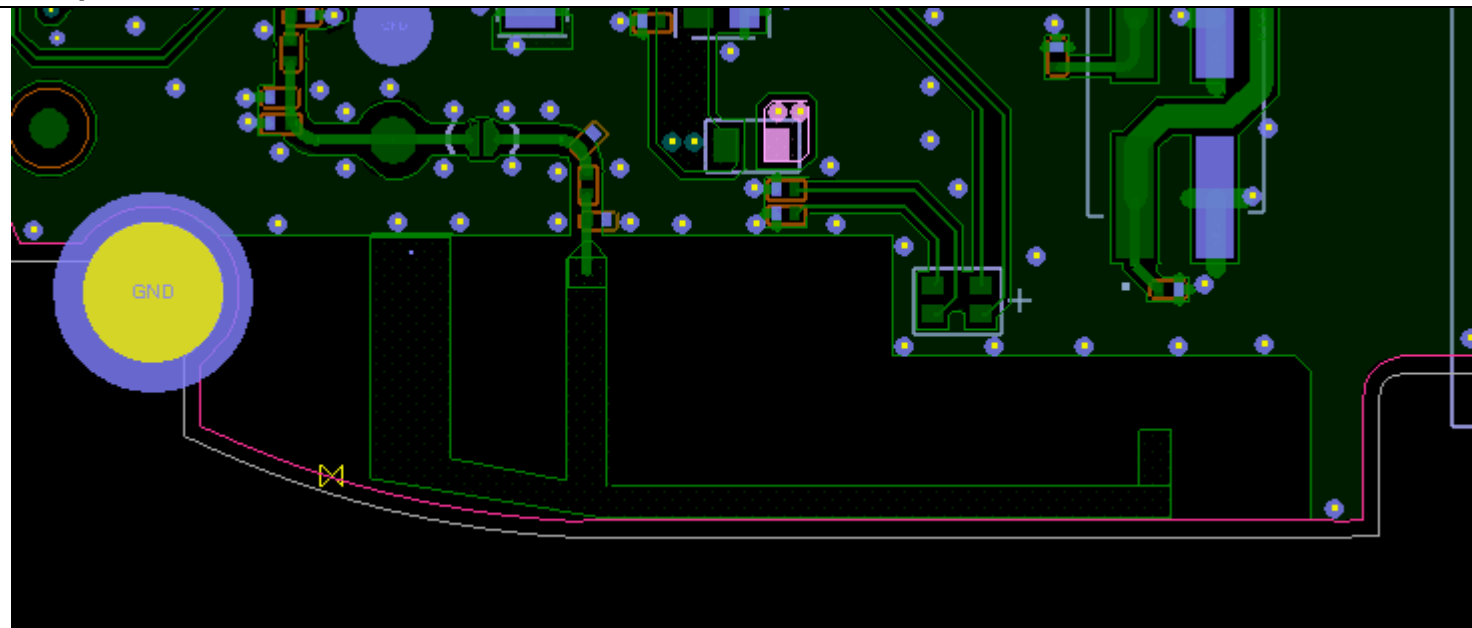
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## I. Specification

Sample Photo



### A. Electrical Characteristics

|                   |                  |
|-------------------|------------------|
| Frequency         | 2400 ~ 2500 MHz  |
| Impedance         | 50 Ohm           |
| S.W.R.            | $\leq 2.0$       |
| Antenna Gain      | 3.59dBi          |
| Max Input Power   | $\leq 2$ W       |
| Polarization      | Linear           |
| Radiation pattern | Omni-Directional |

### B. Material & Mechanical Characteristics

|                      |    |
|----------------------|----|
| Material of Radiator | Cu |
|----------------------|----|

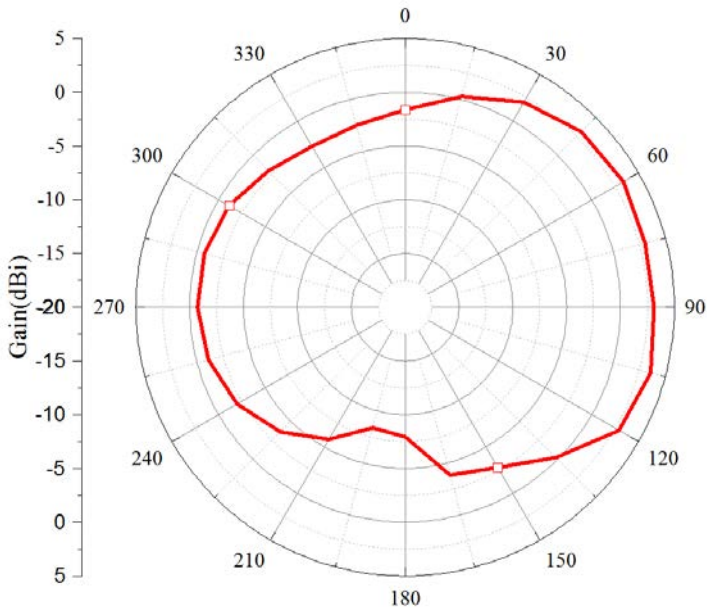
II. Antenna – Radiation Pattern Test Da

| 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 |
| ANT            | 3.36 | 3.34 | 3.33 | 3.34 | 3.41 | 3.59 | 3.49 | 3.44 | 3.26 | 3.08 | 2.98 |

2450MHz:  
Theta=90°



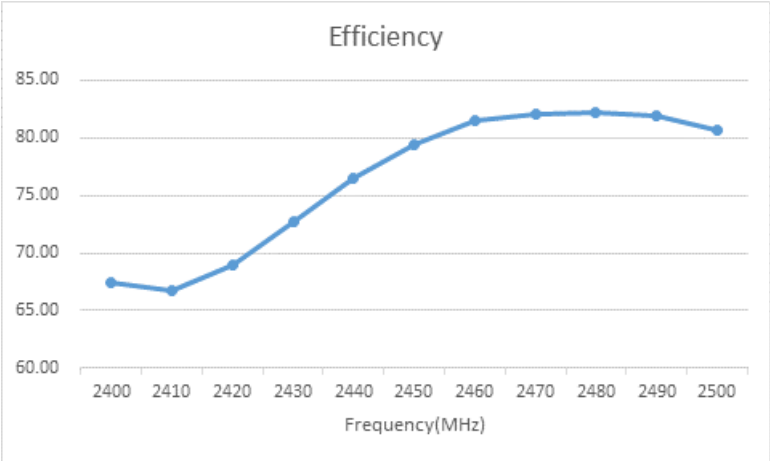
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Efficiency:

|            |       |       |       |       |       |       |       |       |       |       |       |
|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Frequency  | 2400  | 2410  | 2420  | 2430  | 2440  | 2450  | 2460  | 2470  | 2480  | 2490  | 2500  |
| Efficiency | 67.44 | 66.80 | 69.02 | 72.67 | 76.52 | 79.47 | 81.49 | 82.12 | 82.16 | 81.86 | 80.70 |



PeakGain:

|           |      |      |      |      |      |      |      |      |      |      |      |
|-----------|------|------|------|------|------|------|------|------|------|------|------|
| Frequency | 2400 | 2410 | 2420 | 2430 | 2440 | 2450 | 2460 | 2470 | 2480 | 2490 | 2500 |
| PeakGain  | 3.36 | 3.34 | 3.33 | 3.34 | 3.41 | 3.59 | 3.49 | 3.44 | 3.26 | 3.08 | 2.98 |

