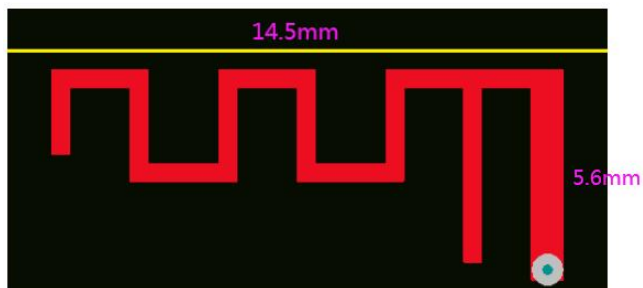


# TK51A ANTENNA SPECIFICATION

## Summary

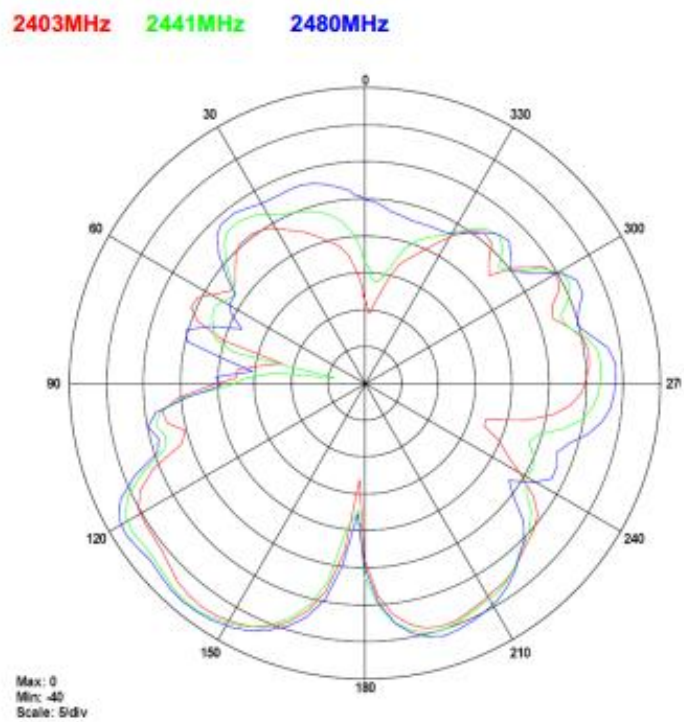
|                            |                                                                               |         |         |          |         |          |
|----------------------------|-------------------------------------------------------------------------------|---------|---------|----------|---------|----------|
| ITEM                       | Keyboard ANT SPEC                                                             |         |         |          |         |          |
| Model Name                 | TK51A                                                                         |         |         |          |         |          |
| Center<br>Frequency<br>dBi | Horizontal                                                                    |         |         | Vertical |         |          |
|                            | 2403MHz                                                                       | 2441MHz | 2480MHz | 2403MHz  | 2441MHz | 24800MHz |
|                            | -3.47                                                                         | -3.20   | -2.65   | -7.3     | -4.9    | -3.5     |
| MAX. Gain                  | -2.65dBi                                                                      |         |         |          |         |          |
| Polarization               | Horizontal and Vertical                                                       |         |         |          |         |          |
| Azimuth Beam<br>Pattern    | Omni-directional                                                              |         |         |          |         |          |
| Impedance                  | 50 Ohm                                                                        |         |         |          |         |          |
| Antenna Length             | 14.5mm                                                                        |         |         |          |         |          |
| Manufacture                | DONGGUAN SHUO CHUANG ELECTRONICS CO LTD                                       |         |         |          |         |          |
| Address                    | Shijie Town, Dongguan City, Guangdong Province Development Industrial<br>Park |         |         |          |         |          |

## Antenna Photo & Length (mm)



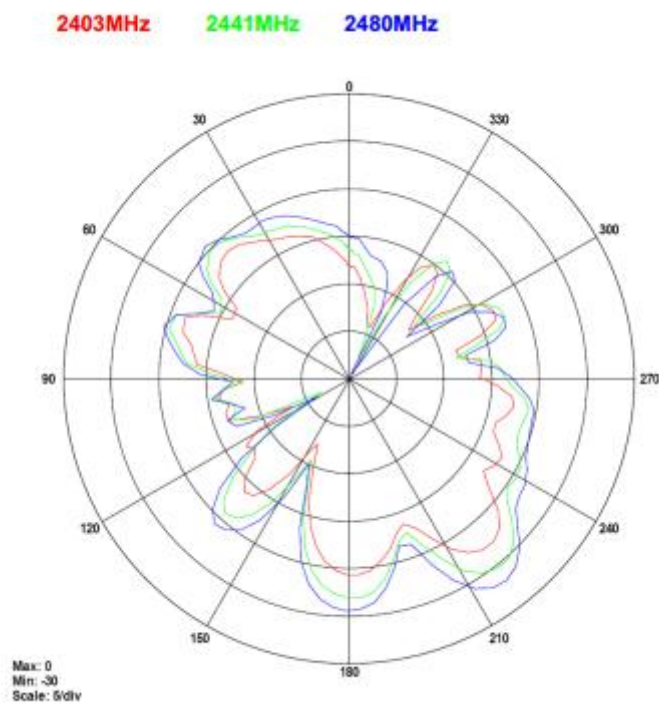


Horizontal: 2403 MHz 2441 MHz 2480 MHz  
Gain (dBi)



| Frequency<br>(MHz) | Gain(dBi) |        |       |
|--------------------|-----------|--------|-------|
|                    | Max       | Min    | Avg   |
| 2403               | -3.47     | -28.52 | -9.85 |
| 2441               | -3.20     | -36.42 | -8.68 |
| 2480               | -2.65     | -24.45 | -7.35 |

Vertical: 2403 MHz 2441 MHz 2480 MHz  
Gain (dBi)



| Frequency<br>(MHz) | Gain(dBi) |       |       |
|--------------------|-----------|-------|-------|
|                    | Max       | Min   | Avg   |
| 2403               | -7.3      | -24.6 | -13.4 |
| 2441               | -4.9      | -27.6 | -11.8 |
| 2480               | -3.5      | -29.4 | -12.5 |