



## 2. 4G Antenna specification&Test report

Yichip Microelectronics

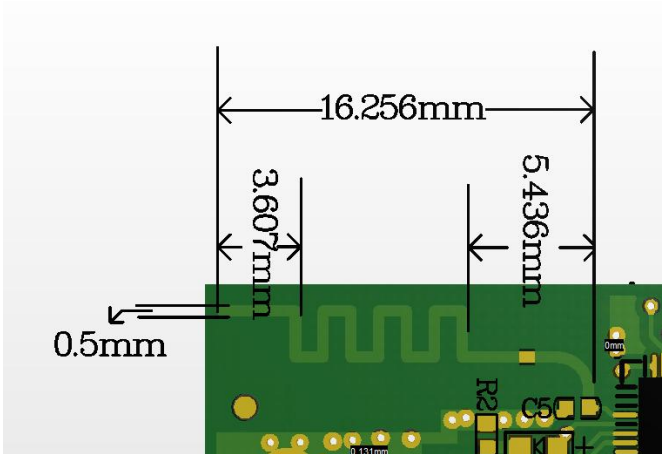
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|                       |                                                                                         |
|-----------------------|-----------------------------------------------------------------------------------------|
| Manufacturer Ccompany | Dongguan Weiji intelligent Technology co.,Ltd                                           |
| Manufacturer Address  | Building 1, No.15, Yanhe Road(N),Xiangxi, Shipai Town, Dongguan, Guangdong Sheng, China |
| Test Date             | 2020/7/24                                                                               |
| Test Instrument       | Keysight E5071B                                                                         |

antenna designspecification

Antennadimensionsas blow picture show: the material is FR4 and thethickness is 1.6mm of PCB.

Gian and Efficiency



| Frequency (MHz) | Efficiency(%) | Gain(dBi) |
|-----------------|---------------|-----------|
| 2402            | 12.77         | -1.33     |
| 2410            | 20.15         | -1.09     |
| 2415            | 25.71         | 0.86      |
| 2420            | 30.32         | 1.39      |
| 2430            | 30.90         | 1.54      |
| 2440            | 33.26         | 2.31      |
| 2450            | 38.93         | 2.93      |
| 2455            | 38.73         | 3.12      |
| 2460            | 36.32         | 3.55      |

|      |              |             |
|------|--------------|-------------|
| 2465 | <b>35.23</b> | <b>3.26</b> |
| 2470 | <b>35.82</b> | <b>2.84</b> |
| 2475 | <b>33.02</b> | <b>1.76</b> |
| 2480 | <b>31.62</b> | <b>1.50</b> |

3D Radiation Patterns  
@2460MHz  
(Unit:dBi)

