

Manufacturer: SHENZHEN HAOHUALIANHE TECHNOLOGY CO., LTD  
Address: 701、801, Building 4, No. A3, 4th Industrail Park, Heshuikou  
Community, Gongming Street, Guangming District, Shenzhen  
Model Number: A19ANT



Bluetooth Antenna  
specification&Test report

Yichip Microelectronics  
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Test Company	TA Technology (Shanghai) Co., Ltd.
Test Address	Building 1, No. 400, Fangchun Road, China (Shanghai) Pilot Free Trade Zone
Test Date	2020/7/24
Test Instrument	Keysight E5071B

## antenna design specification

Antenna dimensions as blow picture show: the material is FR4 and the thickness is 1.6mm of PCB.



## Gian and Efficiency

Frequency (MHz)	Efficiency(%)	Gain(dBi)
2402	14.86	-0.93
2420	12.54	-1.17
2440	9.92	-2.03
2460	7.46	-2.47
2480	6.11	-2.98