



2.4G Antenna specification&Test report

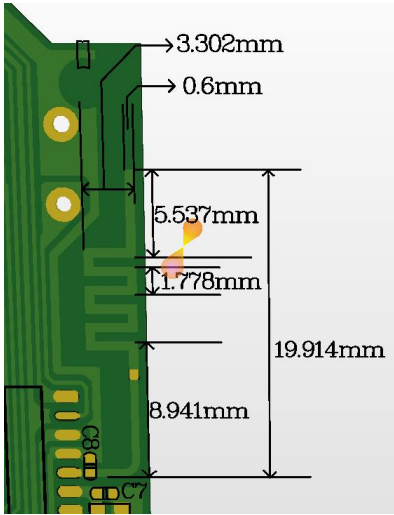
Yichip Microelectronics

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Manufacturer	Ccompany	Dongguan Zhuotong Electronics Co., Ltd.
Manufacturer	Address	2nd Floor, No. 2 Jintan 7th Street, Danwu Village, Shijie Town, Dongguan City.
Test	Date	2020/7/24
Test Instrument		Keysight E5071B
Antenna type		PCB Antenna

1.antenna design specification

Antennadimensionsasblowpictureshow: thematerialisFR4andthethicknessis1.6mmofPCB.
 Gian and Efficiency.

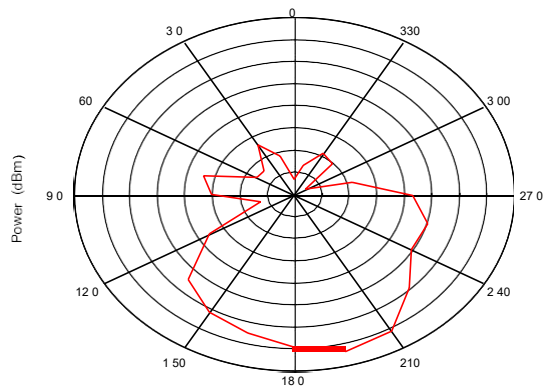


Frequency (MHz)	Efficiency(%)	Gain(dBi)
2402	12.77	-2.33
2410	20.15	-0.40
2415	25.71	0.95
2420	30.32	1.59
2430	30.90	1.63
2440	33.26	2.52
2450	38.93	3.55
2455	38.73	3.34
2460	36.32	2.93
2465	35.23	2.87
2470	35.82	2.53
2475	33.02	1.93
2480	31.62	1.42

2.3D and 1D Radiation Patterns

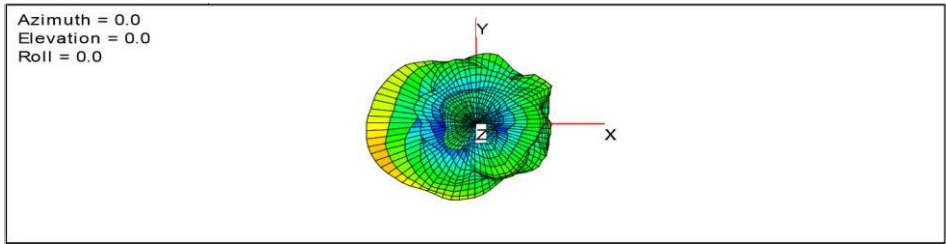
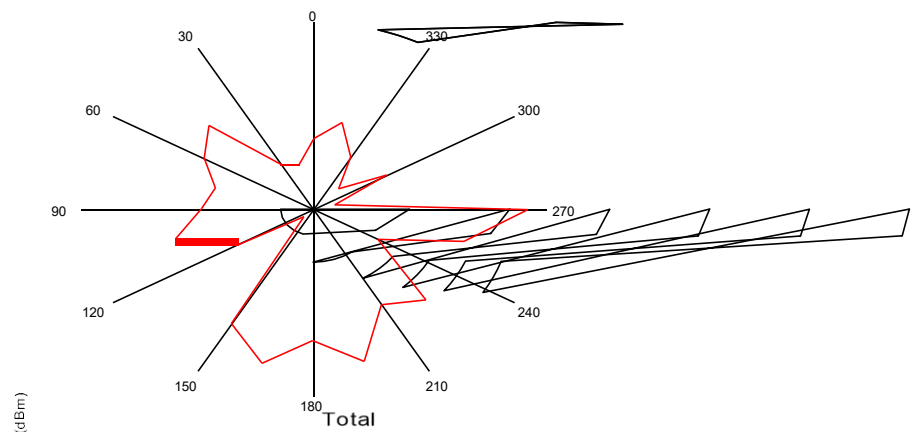
Cut1

Max: 4
Min: -4
Scale: 1/div

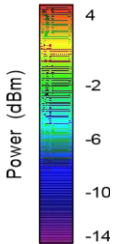


Angle

Cut2



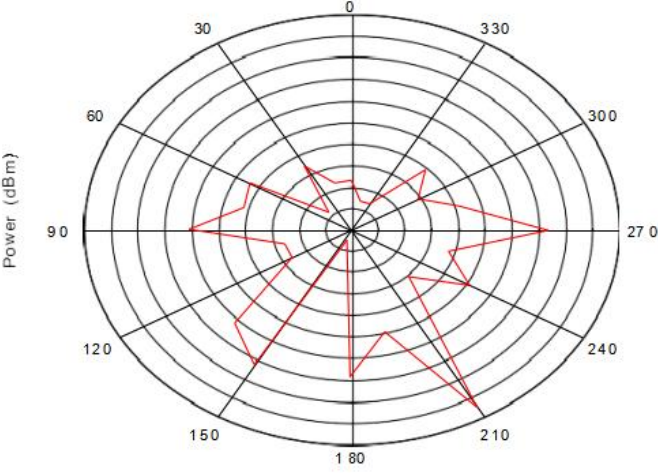
Max: 4
Min: -10
Scale: 2/div



Angle

Cut3

Max: 3
Min: -7
Scale: 1/div



Angle