

BLE04 Antenna test report

Customer Name: Shenzhen Medesigner Technology Co.,Ltd

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Product Name: BLE Module

Sample Model: BLE04

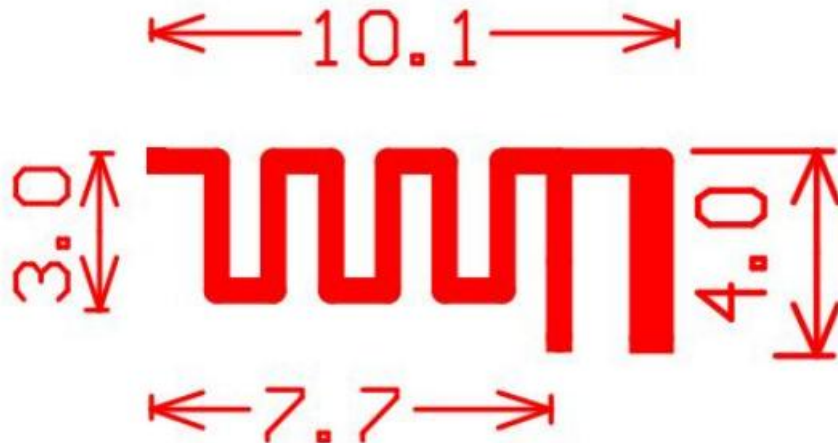
Reference Standard: GB/T 9410-2008, ANSI/IEEE Std 149-1979

Issue Date: 2022.10.31

一、 Description of EUT(S)

Product Name	BLE Module
Sample Model	BLE04
Antenna Size	10.1*4.0mm
Antenna Type	PCB antenna
Serial No.	/
Test Item	Antenna gain; Efficiency; Radiation pattern
Frequency Range	2400MHz-2500MHz
Received Date	2022.10.28
Test Date	2022.10.28
Remark	The length of the RF cable is 15mm

二、 Antenna Photo & Length (mm)



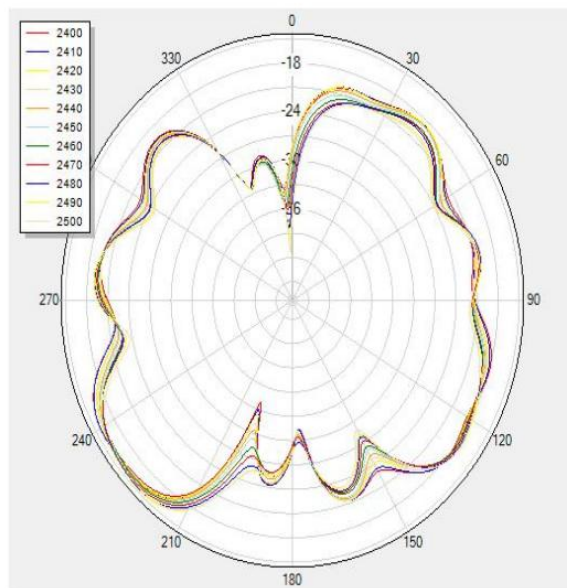
三、 Typical free space gain

Frequency/MHz	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Peak Gain/dBi	-14.17	-14.22	-14.34	-14.21	-14.3	-14.15	-14.35	-14.17	-13.87	-13.74	-13.73

四、 Typical free space radiation pattern

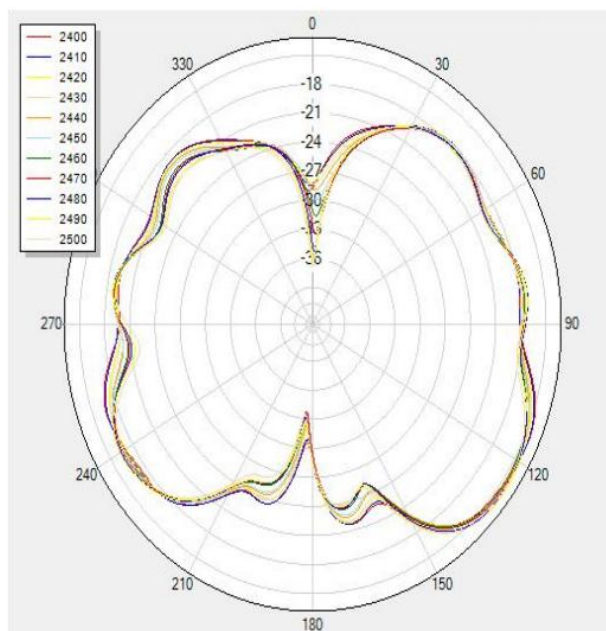
(1) X-Z Plane:

V Phi=0



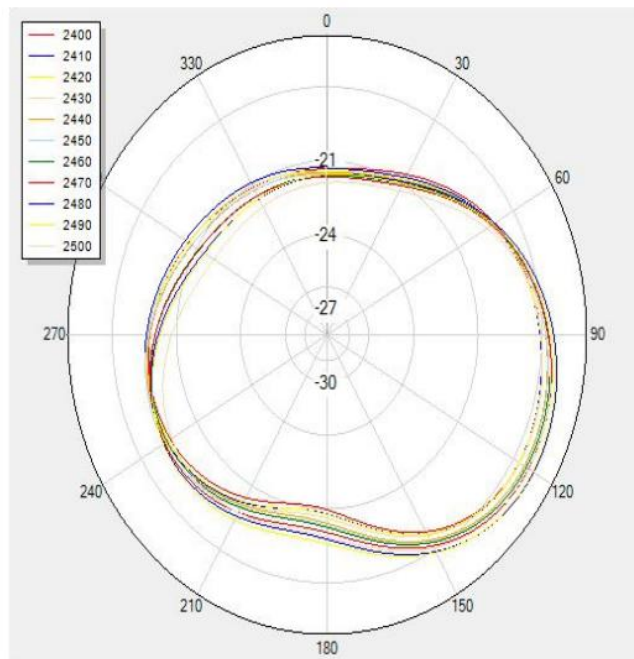
(2) Y-Z Plane:

V Phi=90



(3) X-Y Plane:

H Theta=90



Typical Free Space 3D Radiation Pattern 2.45GHz:

