

ANTENNA TEST REPORT

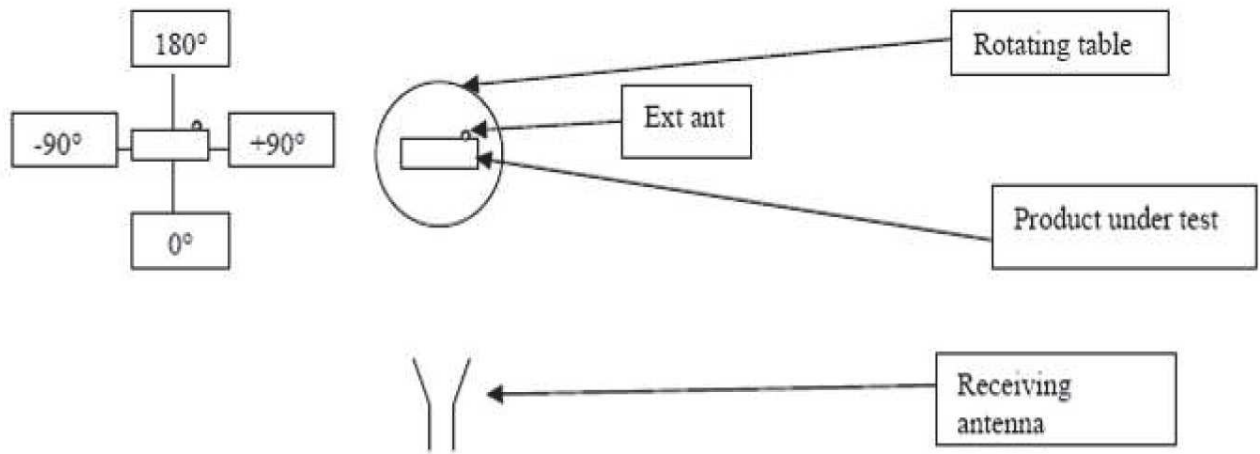
Applicant	Shaoxing Zhicheng Audio Technology Co., Ltd
Address	No. 28, Tianle Road, Chengdong Economic Development Zone, Shengzhou City, Zhejiang Province

Manufacturer or Supplier	Shenzhen Xincheng Ruijia Electronics Co., Ltd.
Address	3rd Floor, No. 7, Minmei Avenue, Shayi Community, Shajing Street, Baoan District, Shenzhen
Product	PCB Antenna
Brand Name	TEXAS INSTRUMENTS
Model	Board #2: Compact 2.4GHz PCB Antenna
Max. Peak Gain	-1.17 dBi
Data of test	July 26, 2023

Test by EMC Department	Approved by EMC Department
钟红胜	钟红胜

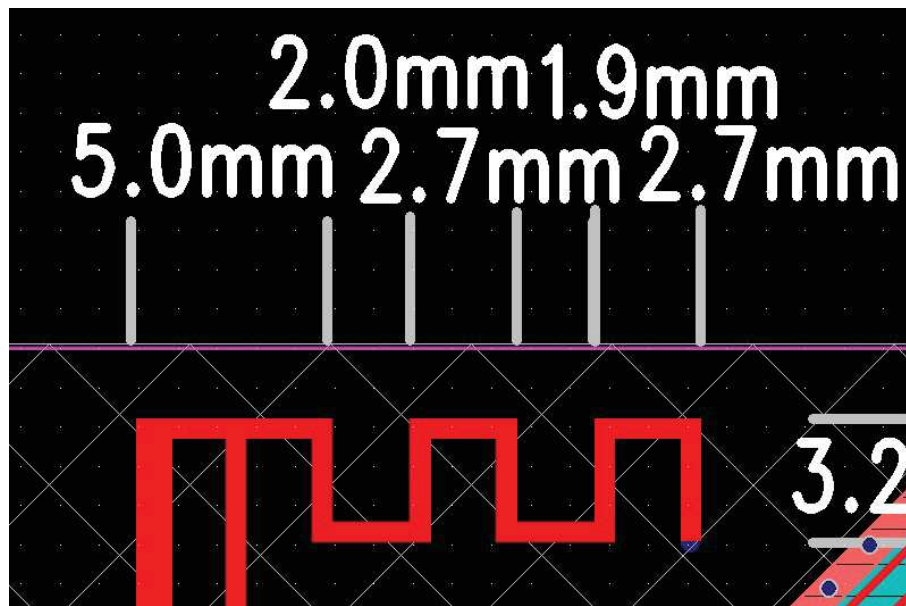
1. MEASUREMENTS SETUP

Orientation



Top view

2. SIZE OF THE ANTENNA



3. TEST INSTRUMENTS

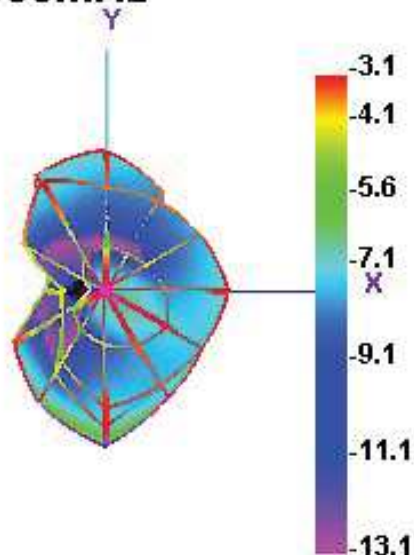
Equipment	Manufacturer	Model No	Next Cal
Radio Communication Analyzer	Anritsu	8820c	July. 26,23
Network analyzer	Agilent	E5071B	July. 26,23

4. TEST RESULTS

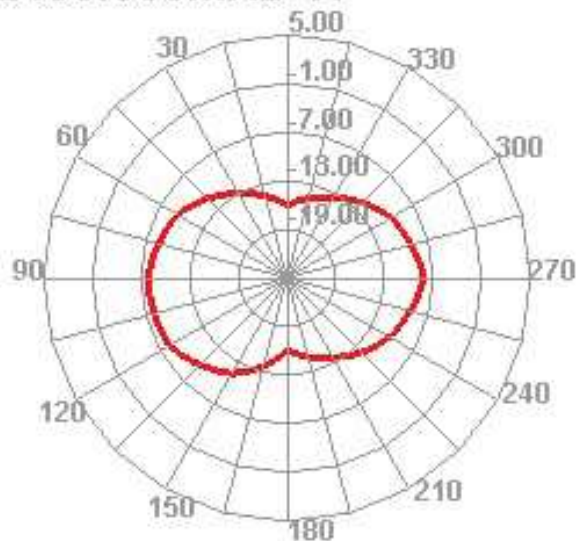
ANTENNA	Freq	Effi (dB)	GAIN(dBi)
PCB	2400	0.98	-1.17
	2420	-0.58	-2.56
	2440	-2.06	-4.21
	2460	-2.86	-5.01
	2480	-3.11	-5.26
	2500	-4.26	-6.41

5. Different radiation patterns are related to the positioning of the antenna

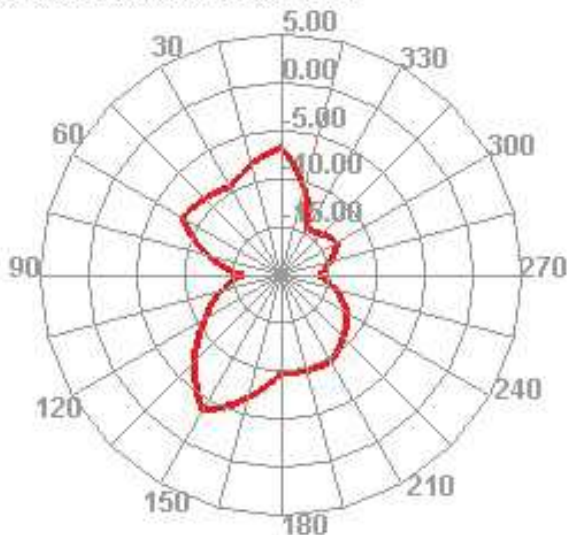
2400.000MHz



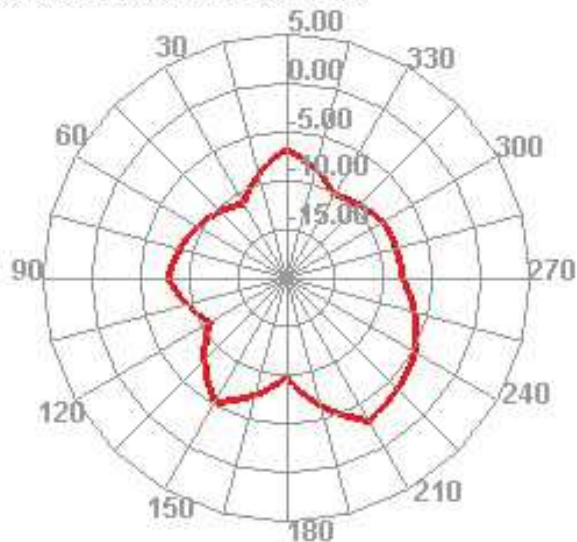
2400.000MHz H



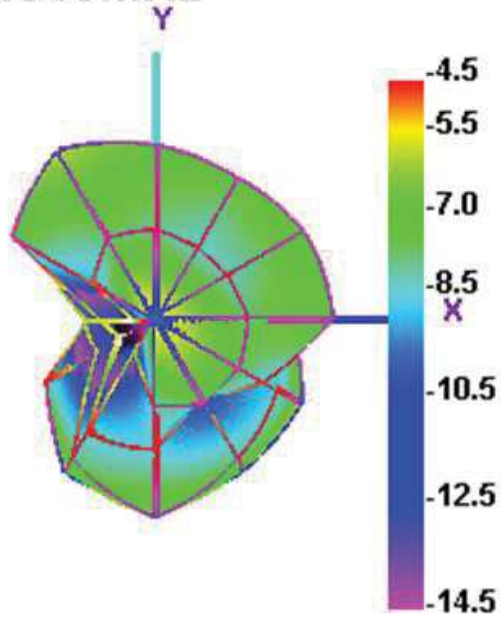
2400.000MHz E1



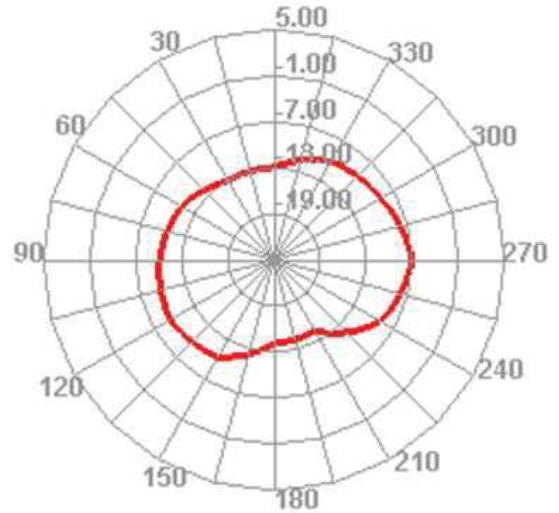
2400.000MHz E2



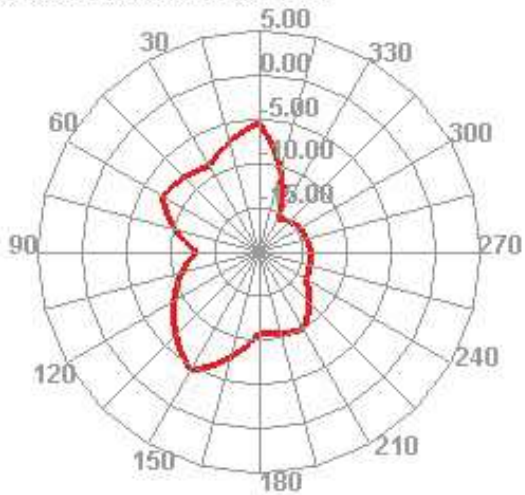
2450.000MHz



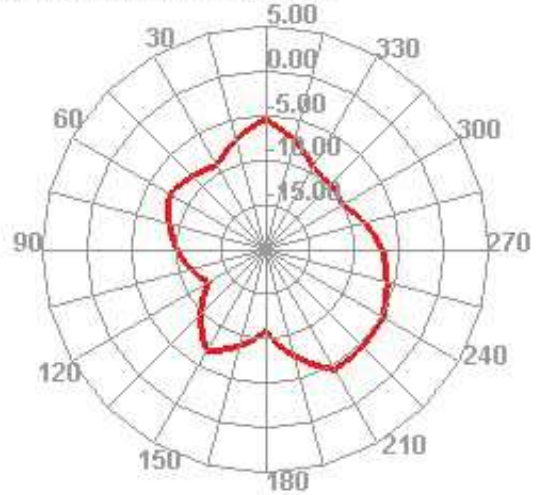
2450.000MHz H



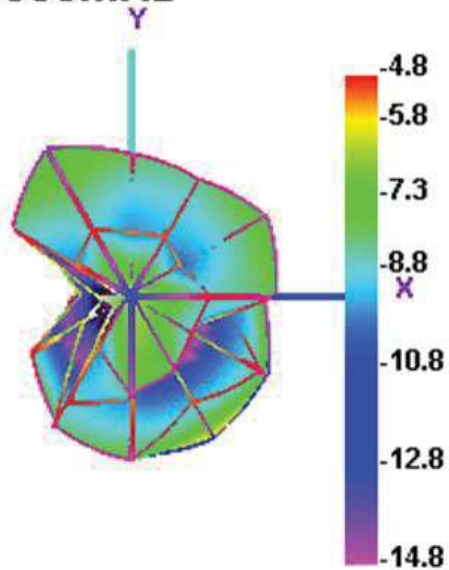
2450.000MHz E1



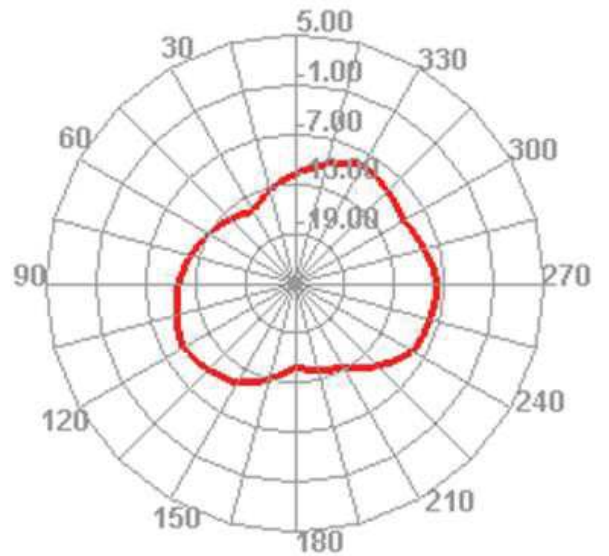
2450.000MHz E2



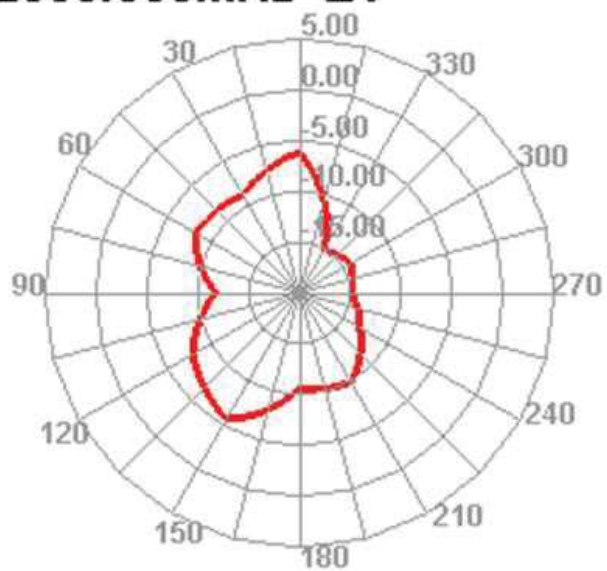
2500.000MHz



2500.000MHz H



2500.000MHz E1



2500.000MHz E2

