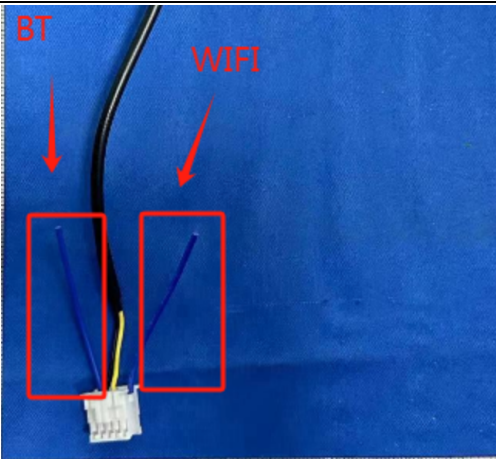


# Antenna Specification

Antenna picture	
Antenna Type	Internal antenna
Antenna Peak Gain	4 dBi
Operating Band	2400 MHz ~ 22500 MHz
Test laboratory name and Address	No.180, 301, Jiang Shi Road, Shiwei Community, Ma Tian Street, Guangming District, Shenzhen
Antenna Manufacturer	Shenzhen Xinwu Technology Co., Ltd.
Model name	Car Multimedia Player
Test Date	2023-6-27
Test Conductor	Fenghuijuan



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## Equipment List

Table 1 Equipment List

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Due Date
Network Analyzer	Keysight	E5071C	MY46527808	2023/1/9	2024/1/8
Anechoic Chamber	Sunyield	SY-16	SI1727	2023/5/10	2024/5/9

## Test Method

Table 2 Test Method

Name	Antenna Performance
Parameter	Radiation Efficiency
Test Method	IEEE Standard Test Procedures for Antennas
Standard No.	ANSI/IEEE Std 149-2021
Test Software Being Used	PMS
Software Version	V2.8.5

## Test Result

### Efficiency and Gain

Table 3 Antenna Efficiency and Gain

Frequency (MHz)	Gain (dBi)	Efficiency (dB)	Efficiency (%)
2400	3.71	-2.16	60.86
2410	3.97	-1.98	63.42
2420	4.00	-2.02	62.78
2430	3.80	-2.12	61.31
2440	3.85	-2.02	62.86
2450	3.92	-2.07	62.02
2460	3.90	-2.09	61.84
2470	3.71	-2.13	61.22
2480	3.74	-2.13	61.23
2490	3.74	-2.09	61.83
2500	3.73	-2.13	61.27

## Radiation Pattern

Table 4 Product coordinates

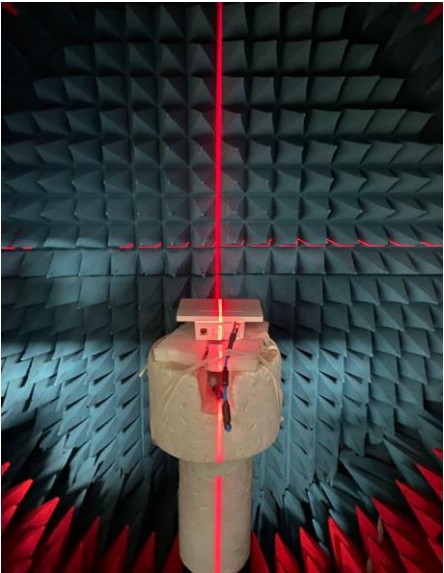
Product Coordinates


Table 5 3D radiation pattern

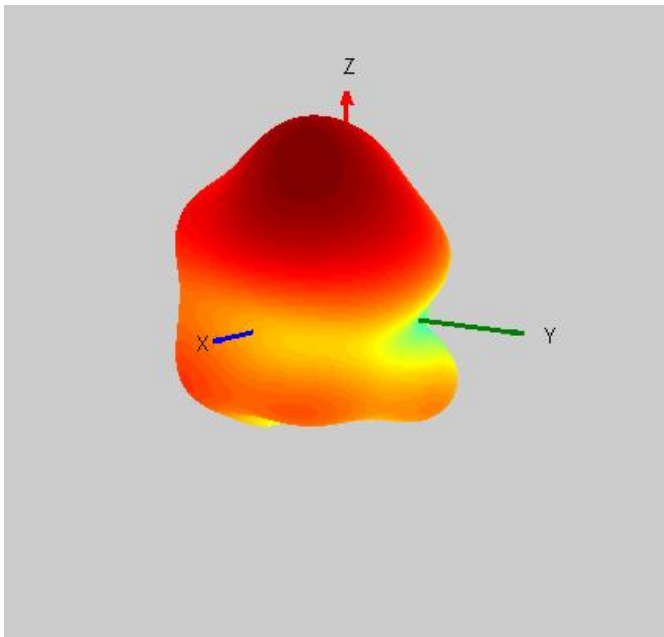
3D Radiation Pattern at 2450MHz


Table 6 Radiation pattern in XY Plane

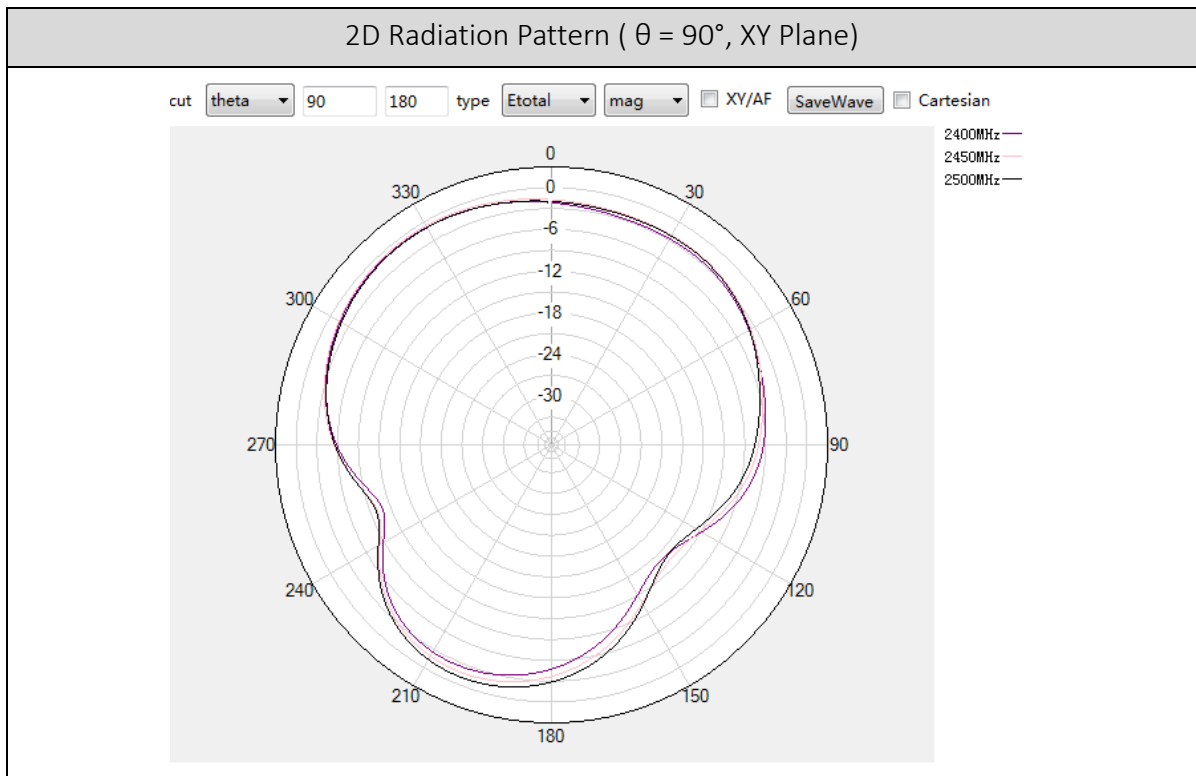


Table 7 Radiation pattern in XZ Plane

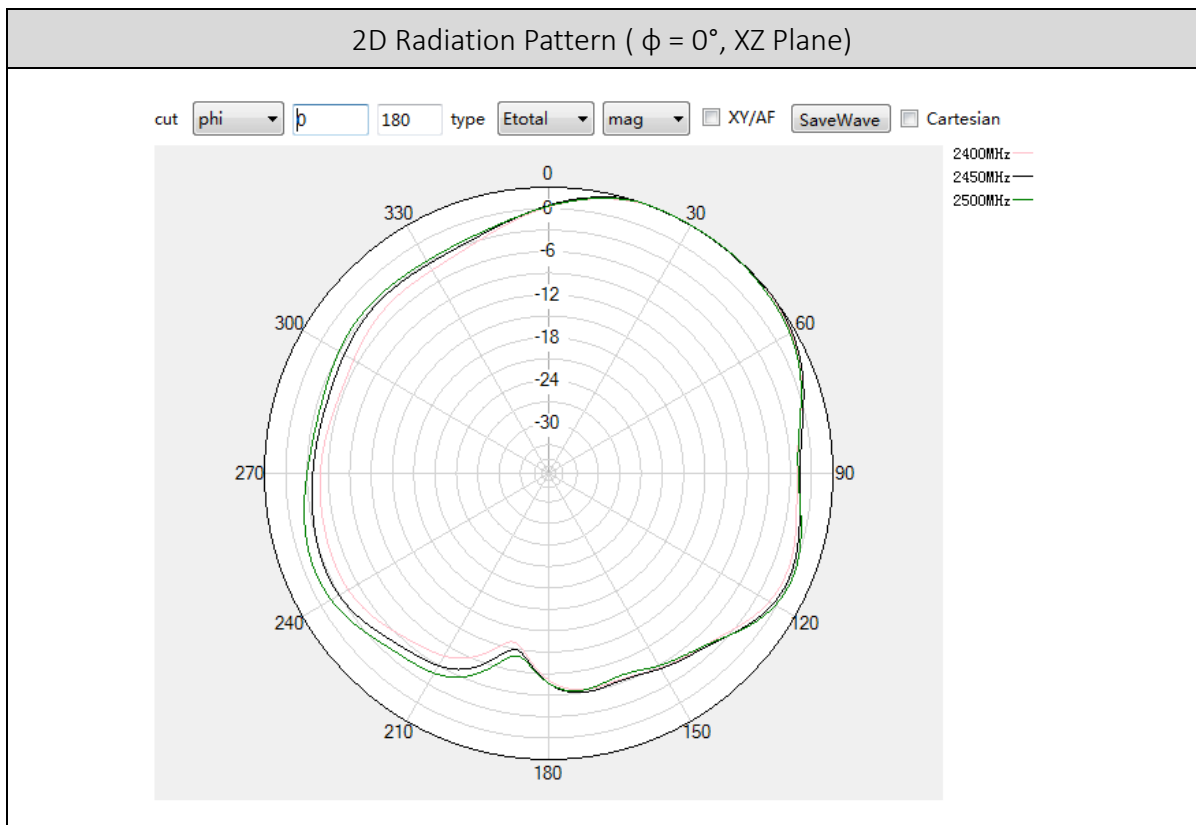


Table 8 Radiation pattern in YZ Plane

