



TEST REPORT ISSUED FOR

NANYANG ZHICHUANGYUAN Technology Co.,LTD

**Building 1 Intersection of Pangu Avenue and Gongye Road,
Tongbai Industrial Cluster, Tongbai County, Nanyang City,
Henan Province**

MANUFACTURER	:	NANYANG ZHICHUANGYUAN Technology Co.,LTD
PRODUCT NAME	:	PCB Antenna
MODEL NAME	:	JR1752TX
TRADE NAME	:	N/A
Test Standard	:	IEEE149-1979
TEST DATE	:	2024-5-25~2024-6-3
ISSUE DATE	:	2024-6-3

Testing Engineer :

Peter peng

Peter peng

Authorized Signatory :

Jim he

Jim he





DIRECTORY

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Change History		
Issue	Date	Reason
1.0	2024-6-3	First edition



1. Technical Information

Note: Provide by manufacturer.

1.1. Manufacturer and Factory Information

Applicant:	NANYANG ZHICHUANGYUAN Technology Co.,LTD
Applicant Address:	Building 1 Intersection of Pangu Avenue and Gongye Road, Tongbai Industrial Cluster, Tongbai County, Nanyang City, Henan Province
Manufacturer:	NANYANG ZHICHUANGYUAN Technology Co.,LTD
Manufacturer Address:	Building 1 Intersection of Pangu Avenue and Gongye Road, Tongbai Industrial Cluster, Tongbai County, Nanyang City, Henan Province
Gain (Max):	-3.81 dBi

1.2. Equipment Under Test (EUT) Description

Wireless Type	Bluetooth
Frequency	2402MHz-2480MHz





2. Test Results

2.1. Applied Reference Documents

Leading reference documents for testing:

No.	Identity	Document Title
1	IEEE149-1979	IEEE Standard Test Procedures for Antennas

2.2. Test Conditions

Test Environment Conditions:

Relative Humidity:	15 ... 75 %
Temperature:	+10 °C to +30 °C

2.3. Test Results lists

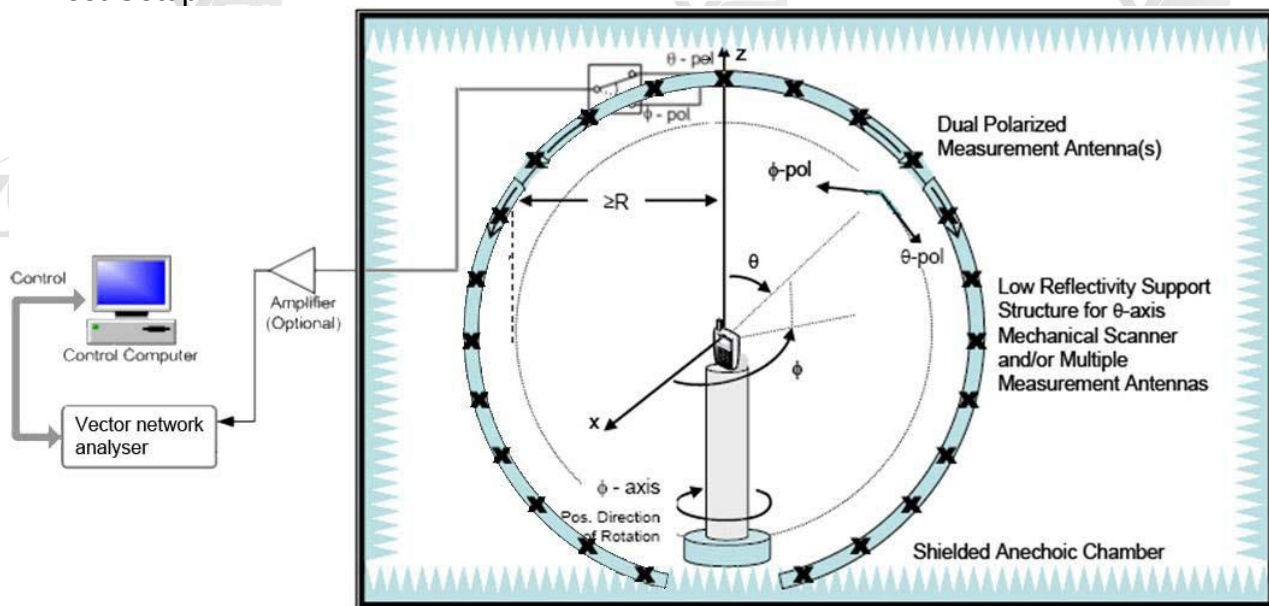
2.3.1. Gain

Frequency (MHz)	Efficiency (%)	Gain (dBi)
2400	10.5413	-3.81
2410	10.4419	-4.24
2420	11.5534	-4.35
2430	11.7156	-4.65
2440	13.2369	-4.85
2450	15.1228	-5.18
2460	16.3369	-7.25
2470	17.2872	-7.65
2480	17.6624	-7.85
2490	18.4219	-7.96
2500	19.2996	-7.56



Annex A Photographs

1. Test Setup

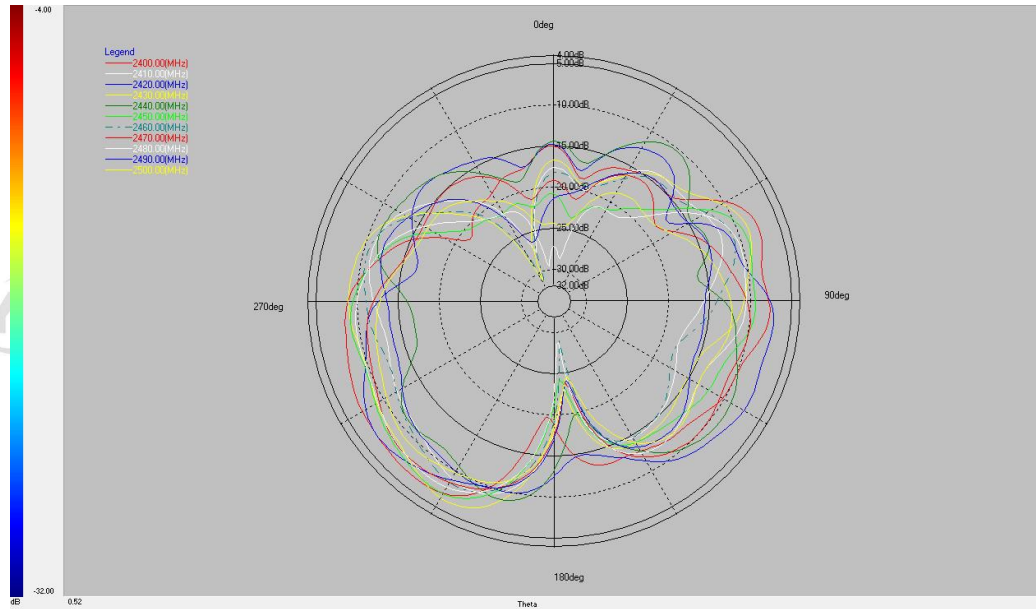




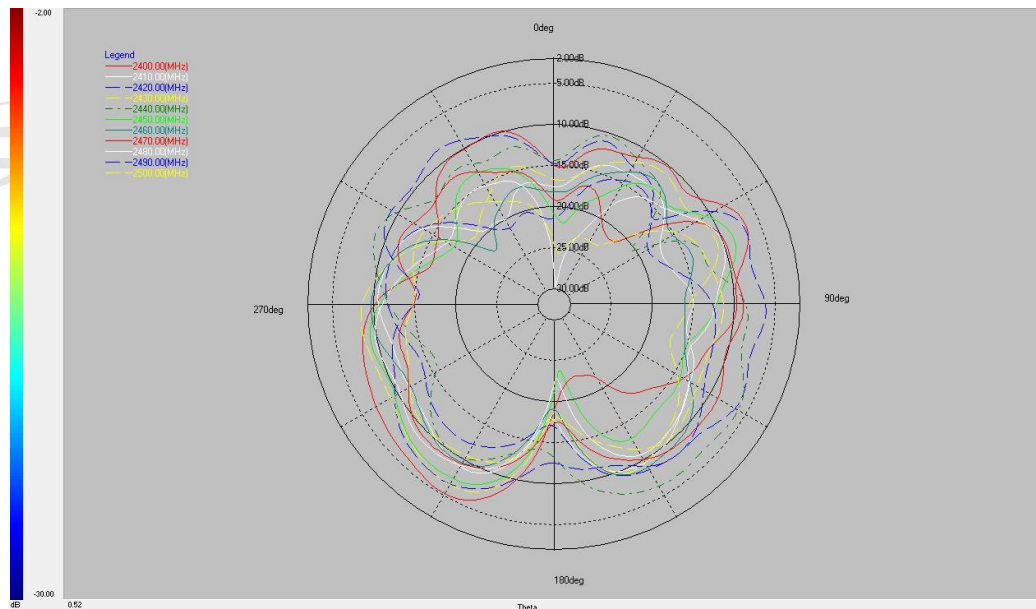
Annex B Figures

1. 2D Radiation Pattern

Phi=0°



Phi=90°



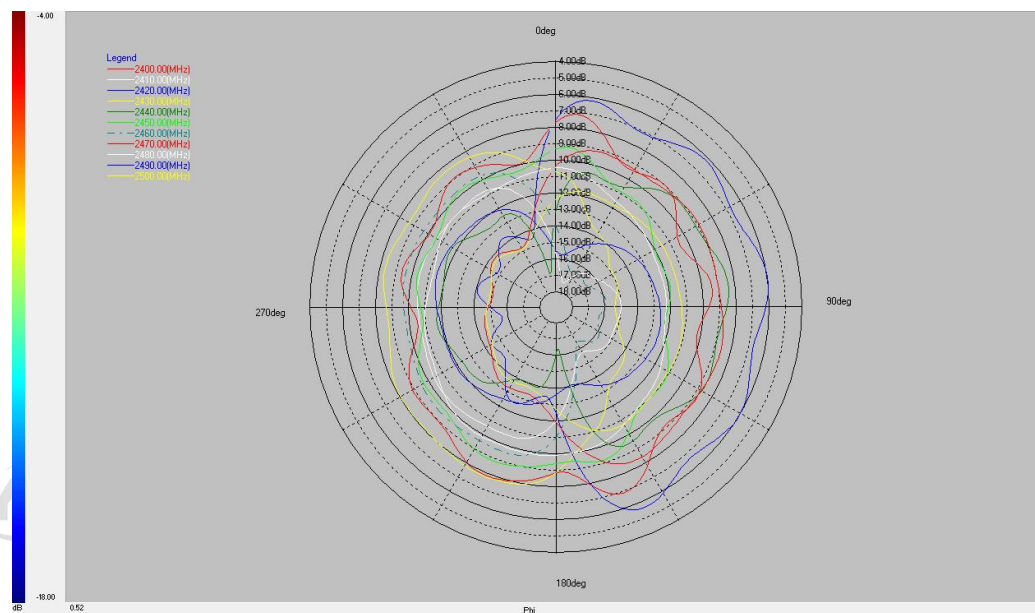


Theta=90°

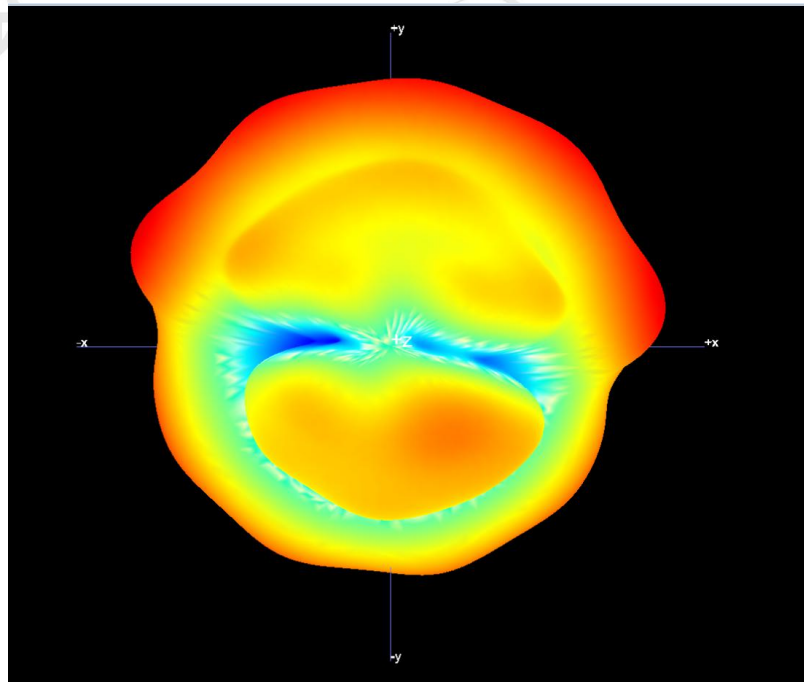


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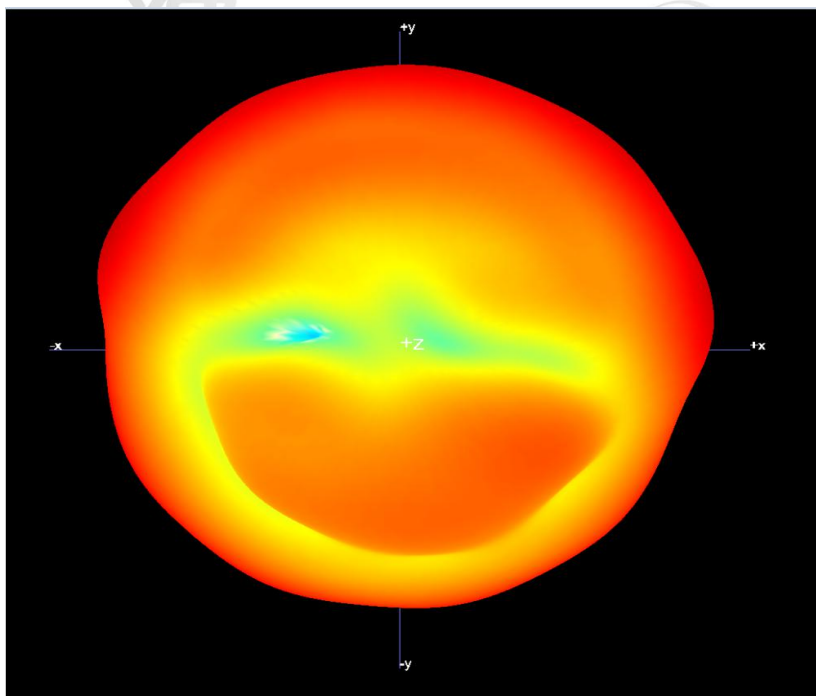
Report No. YCT2024SZ0525769A



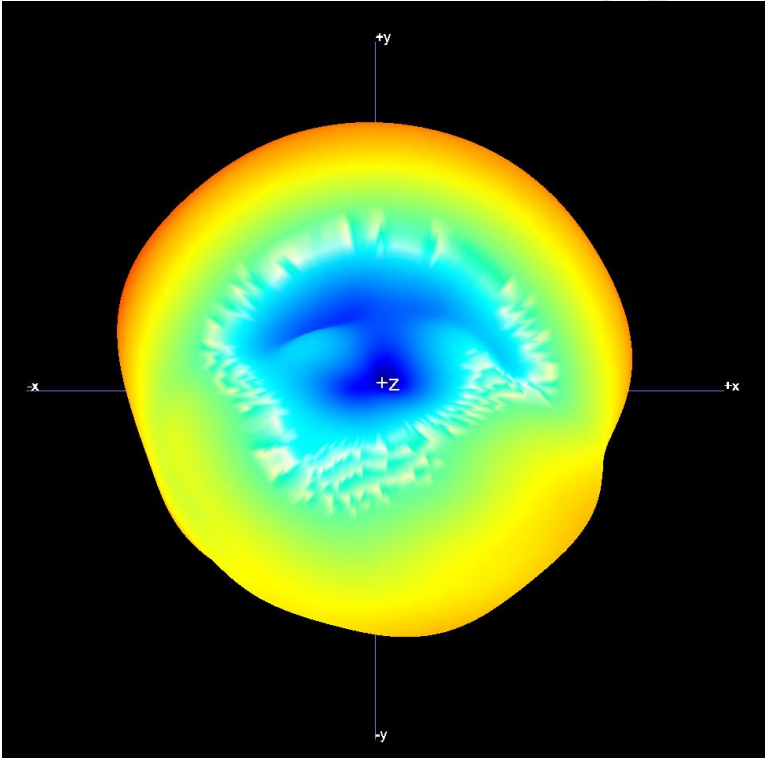
2. 3D Radiation Pattern



2400MHz



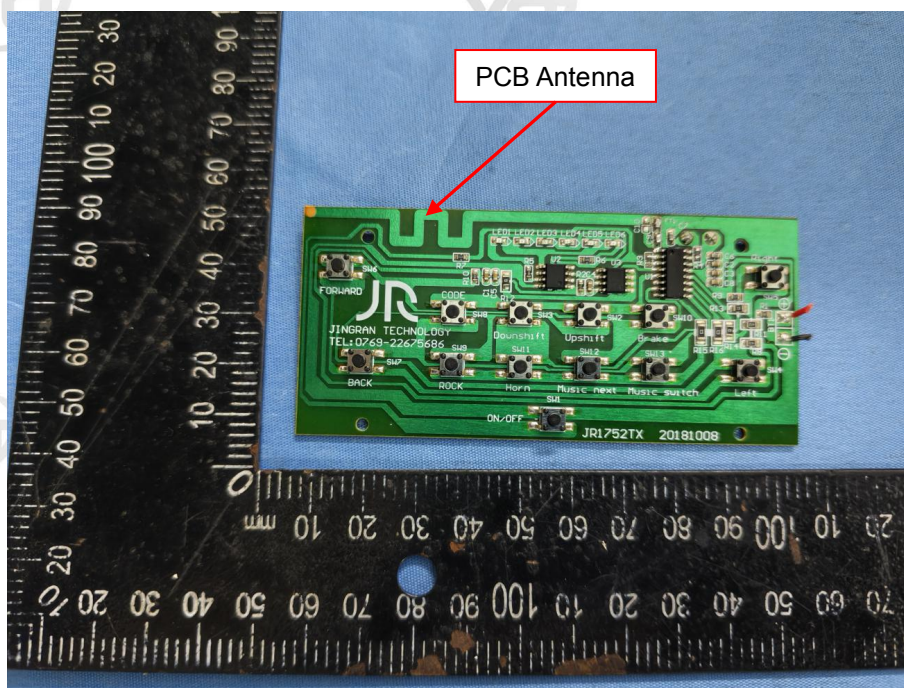
2450MHz



2500MHz

Annex C Photographs

EUT
Photo 1



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