



CE EMC TEST REPORT

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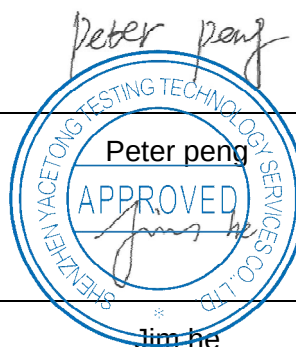
DONGGUAN HONGYUANWEI Technology Co.,LTD

**155 East Central Road, Xiansha Second Industrial Zone,
GaoBu Town, Dongguan City, Guangdong Province**

MANUFACTURER	:	DONGGUAN HONGYUANWEI Technology Co.,LTD
PRODUCT NAME	:	PCB Antenna
MODEL NAME	:	JR1602FCC
TRADE NAME	:	N/A
Test Standard	:	IEEE149-1979
TEST DATE	:	2020-06-20
ISSUE DATE	:	2020-06-30

Testing Engineer :

Authorized Signatory :





DIRECTORY

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Change History		
Issue	Date	Reason
1.0	2020-06-30	First edition



1. Technical Information

Note: Provide by manufacturer.

1.1. Manufacturer and Factory Information

Applicant:	DONGGUAN HONGYUANWEI Technology Co.,LTD
Applicant Address:	155 East Central Road, Xiansha Second Industrial Zone, GaoBu Town, Dongguan City, Guangdong Province
Manufacturer:	DONGGUAN HONGYUANWEI Technology Co.,LTD
Manufacturer Address:	155 East Central Road, Xiansha Second Industrial Zone, GaoBu Town, Dongguan City, Guangdong Province

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

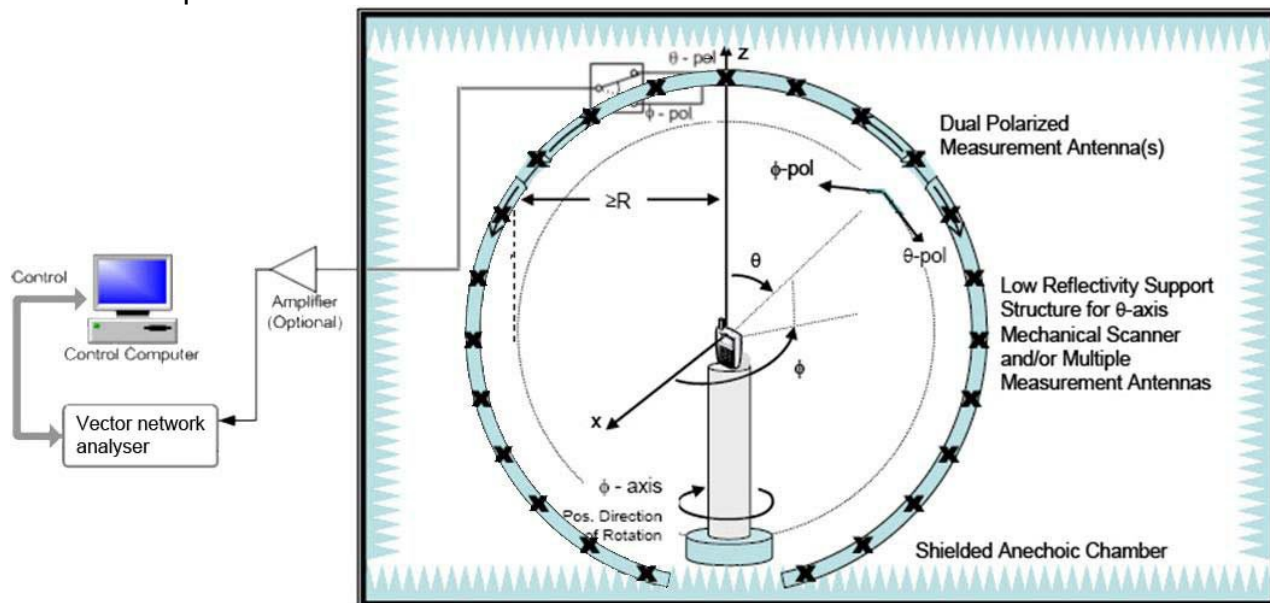
2.3.1. Gain

Frequency (MHz)	Efficiency (%)	Gain (dBi)
频率	效率	增益
2400	9.4125	-5.4572
2410	10.3365	-5.5592
2420	11.2108	-5.4025
2430	11.9845	-4.8572
2440	13.5167	-4.3316
2450	15.3369	-3.7154
2460	16.0597	-3.5542
2470	17.1025	-3.4413
2480	17.3316	-3.4063
2490	18.2557	-3.3521
2500	19.1582	-2.9571



Annex A Photographs

1. Test Setup

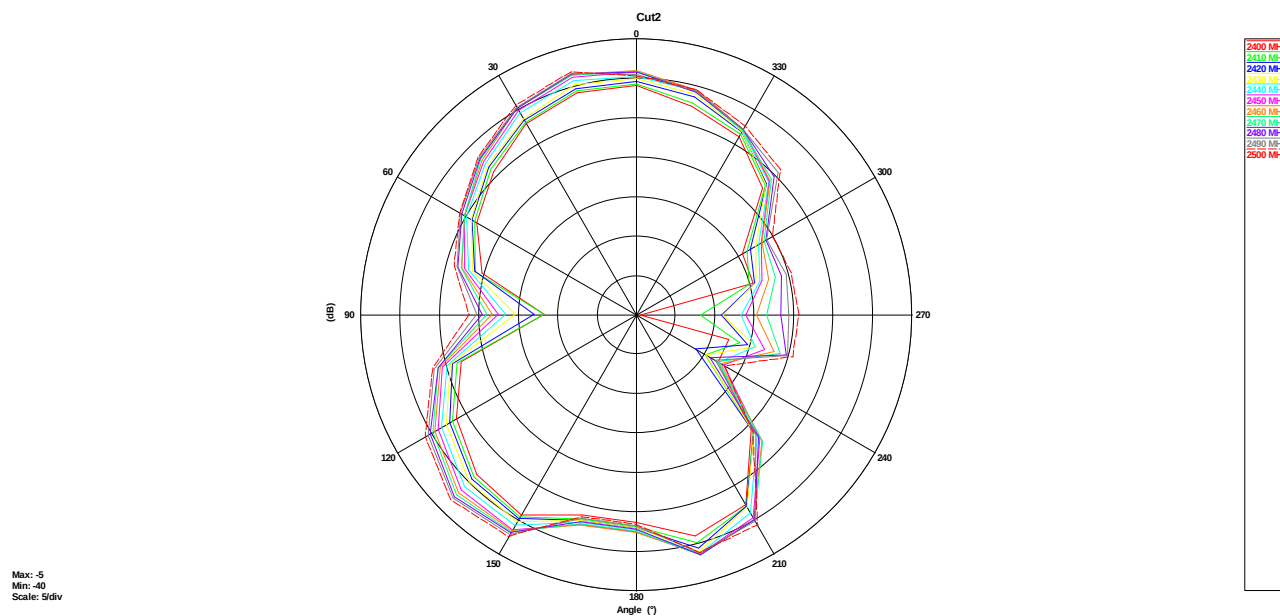




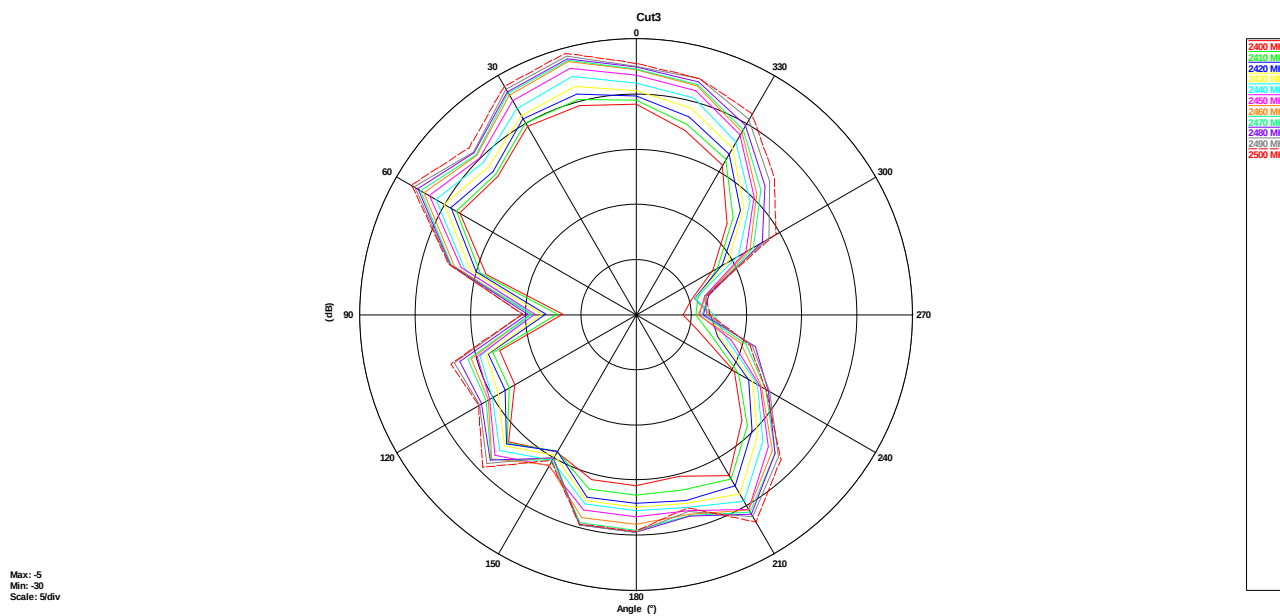
Annex B Figures

1. 2D Radiation Pattern

Phi=0°



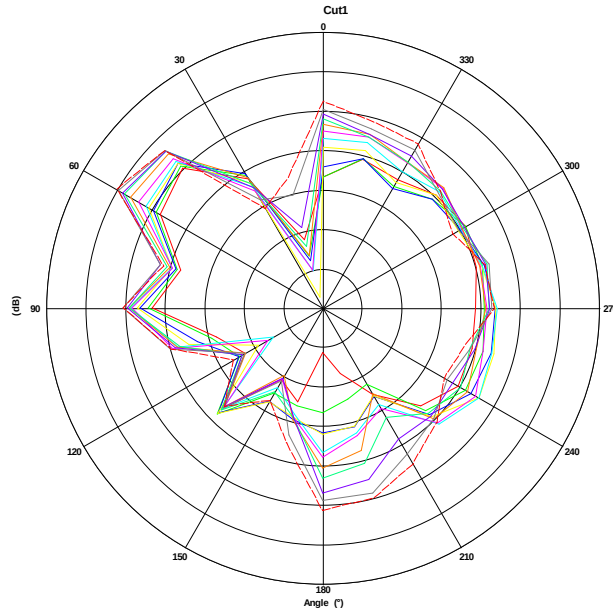
Phi=90°





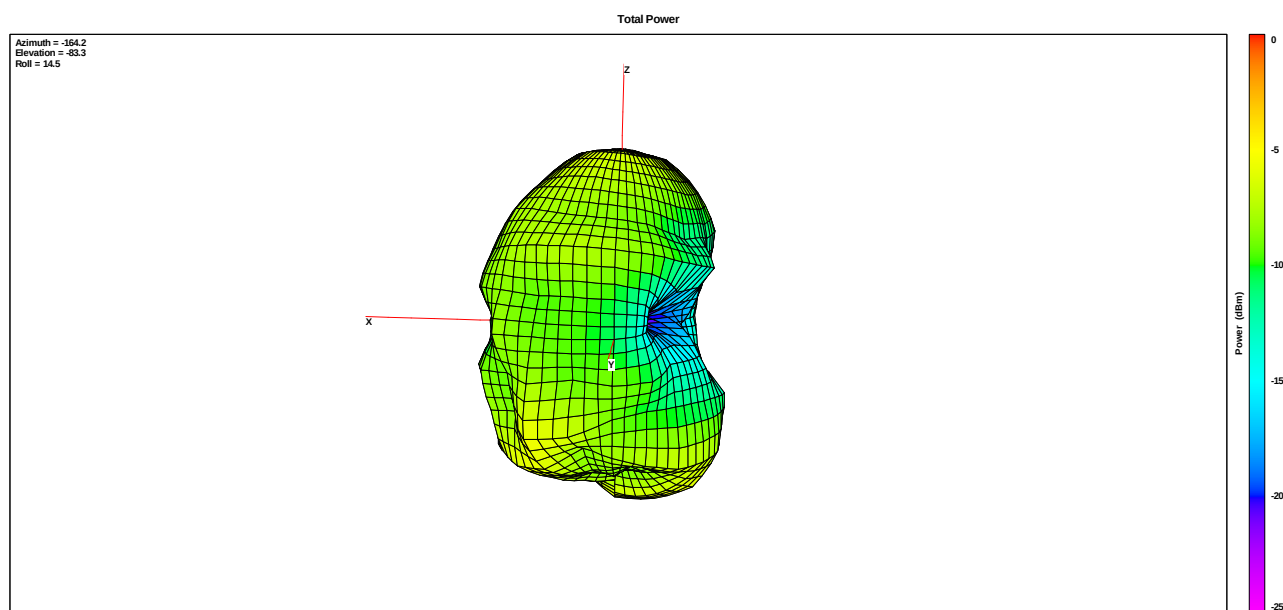
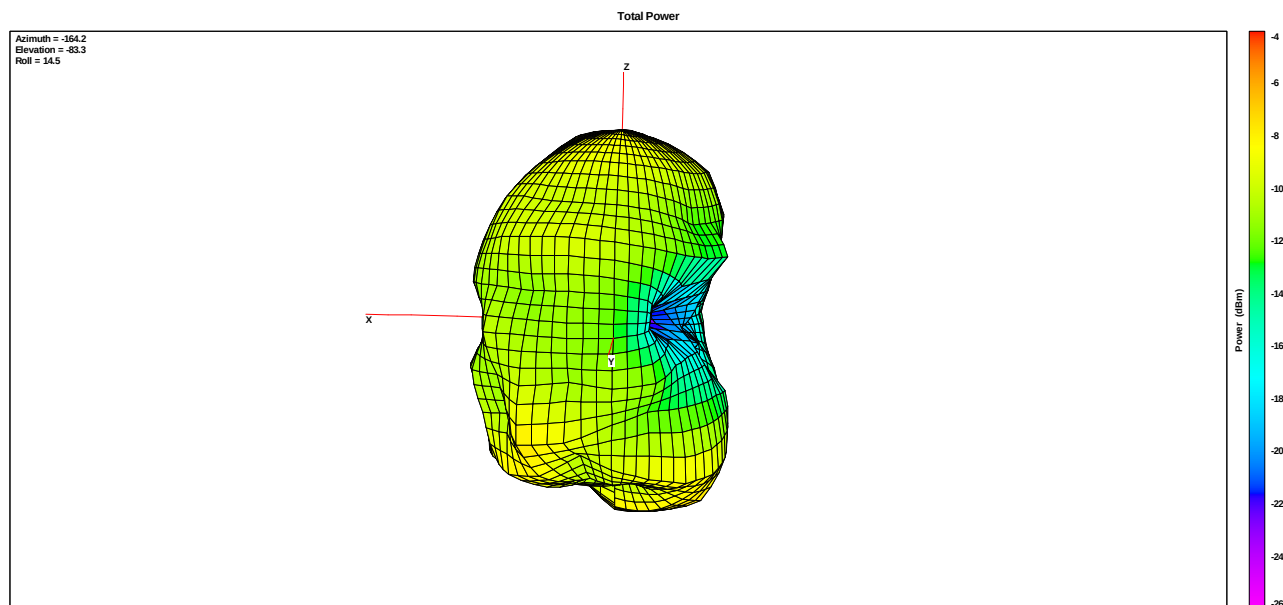
Theta=90°

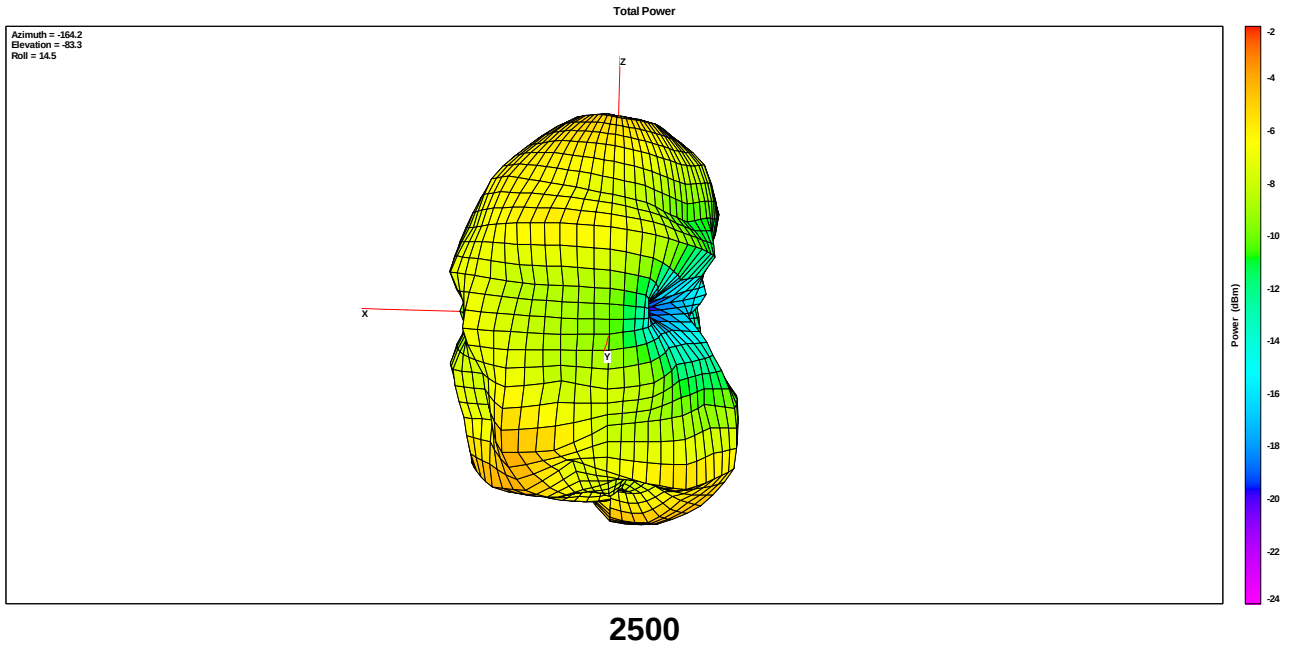
Max: -10
Min: -45
Scale: 5/div





2. 3D Radiation Pattern







Annex C Photographs

EUT

Photo 1

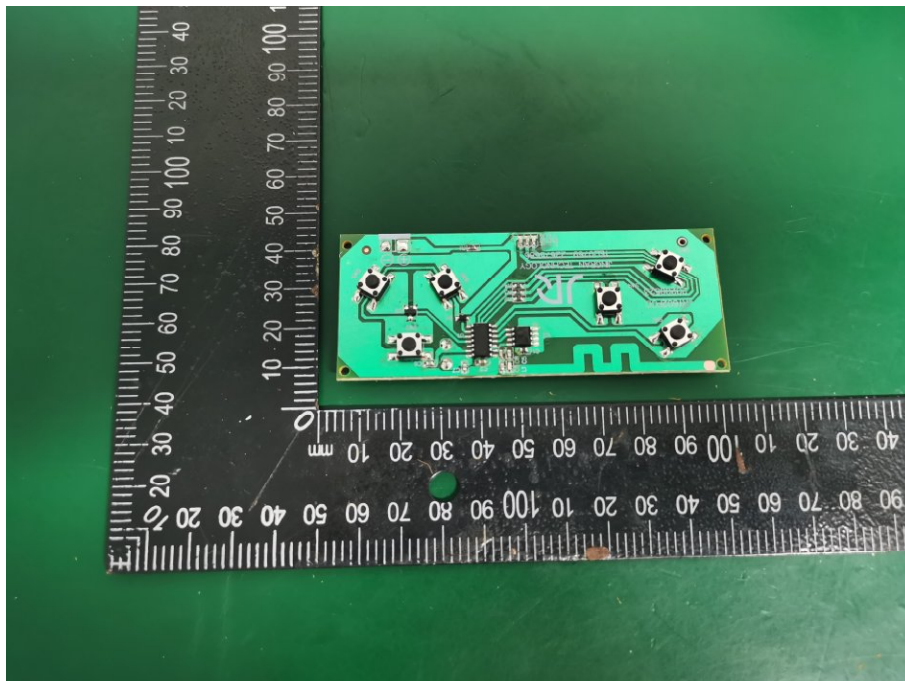
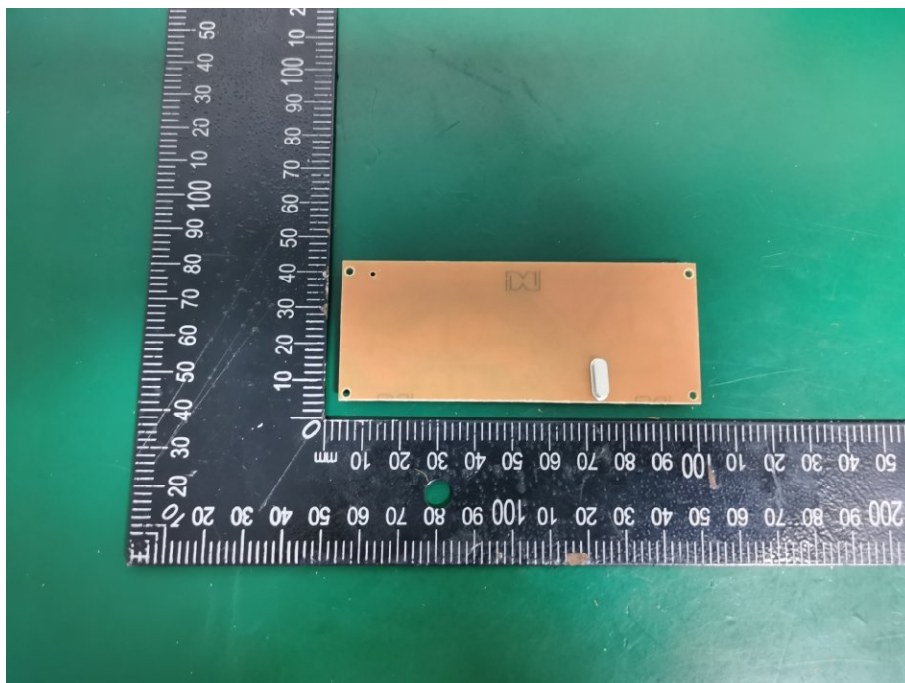


Photo 2



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