

DONGGUAN CITY AITE PRECISION HARDWARE PARTS CO.LTD
Tel:+86 0769-87630186
Room 101, Building 9, No. 198 Zhenxing Avenue, Xiegang Town,
Dongguan City, Guangdong Province

1
GENERAL INFORMATION

1.1 Test Environment Condition

Ambient Temperature	19 to 25 °C
Ambient Relative Humidity	45 to 55 %
Ambient Pressure	N/A (Not applicable)

1.2 Announce

- (1) The test report is invalid if not marked with the signatures of the persons responsible for preparing and approving the test report.
- (2) The test report is invalid if there is any evidence and/or falsification.
- (3) The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein.
- (4) This document may not be altered or revised in any way unless done so and all revisions are duly noted in the revisions section.
- (5) Content of the test report, in part or in full, cannot be used for publicity and/or promotional purposes without prior written approval from the laboratory.

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2 PRODUCT INFORMATION

2.1 Applicant

Applicant	Vocci Inc.
Address	8 The Green, Suite A, Dover, DE 19901, USA
Contact Person	Felix Lyu
Telephone Number	+1(650)2182796
Fax Number	
E-mail Address	support@vocci.ai

2.2 Manufacturer

Manufacturer	Vocci Inc.
Address	8 The Green, Suite A, Dover, DE 19901, USA
Contact Person	N/A
Telephone Number	N/A
Fax Number	N/A
E-mail Address	N/A

2.3 General Description for Equipment under Test (EUT)

EUT Type	Bluetooth Antenna
Model Name	Metal ring Antenna
Antenna Type	Metal ring Antenna
Hardware Version	N/A
Serial Number	N/A
Dimensions	N/A

2.4 Technical Information

Frequency Range	2400MHz~ 2500MHz
Test Frequencies	2400MHz, 2440MHz, 2480MHz

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3 SUMMARY OF TEST RESULTS

3.1 Test Standards

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

3.2 Test Verdict

Report Section	Description	Remark
ANNEX A.1	Gain And Efficiency	--
ANNEX B	Radiation Pattern	--

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4 GENERAL TEST CONFIGURATIONS

4.1 Test Condition

Environment Parameter	Selected Values During Tests		
	Temperature	Voltage	Relative Humidity
Normal Temperature, Normal Voltage (NTNV)	25°C	N/A	51%

4.2 Test Equipment List

Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due
Vector Network Analyzer	Agilent	E5071C	MY46103472	2025.11.07	2026.11.07
5*4*3 Full Anechoic Chamber	ETS	5*4*3	N/A	2025.11.07	2026.11.07

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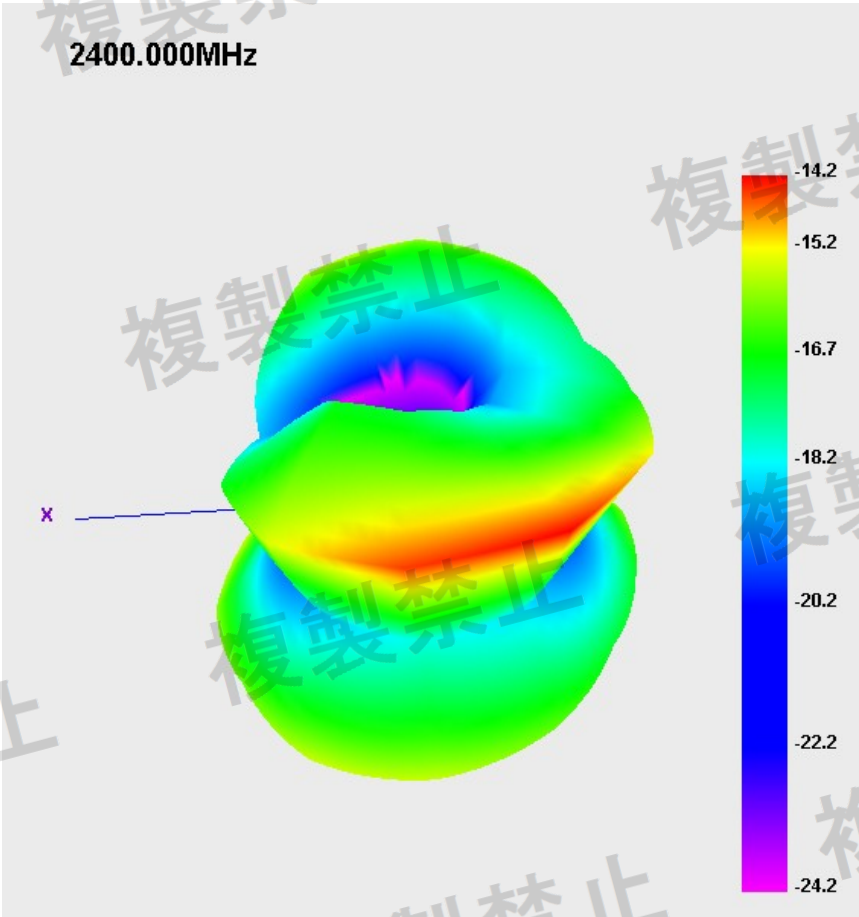
ANNEX A TEST RESULTS

A.1 Gain and Efficiency

Frequency	Gain (dBi)	Efficiency (%)
2400MHz	-14.23	1.29
2440MHz	-12.52	1.8
2480MHz	-11.51	1.92

ANNEX B RADIATION PATTERN

3D Pattern



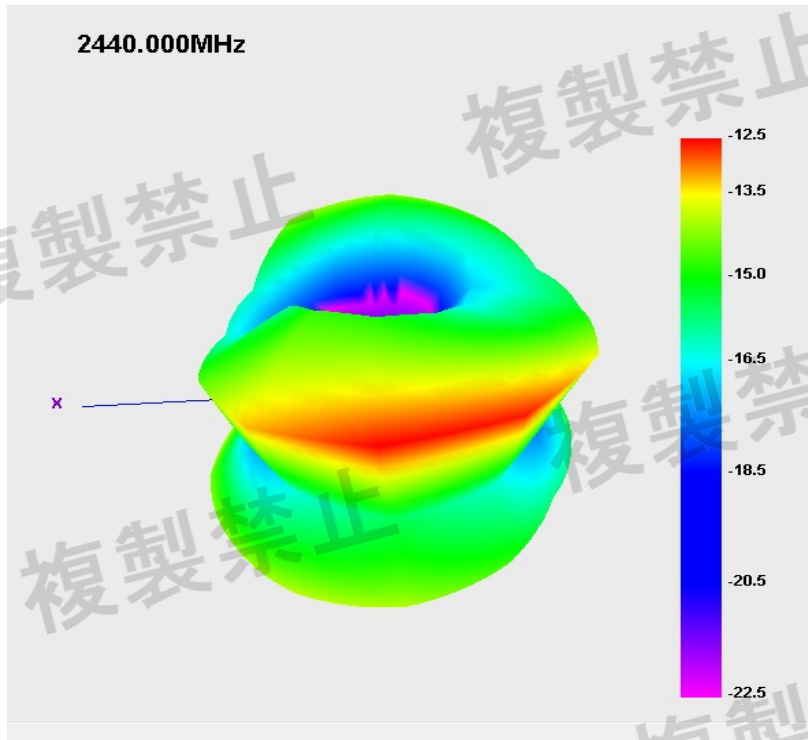
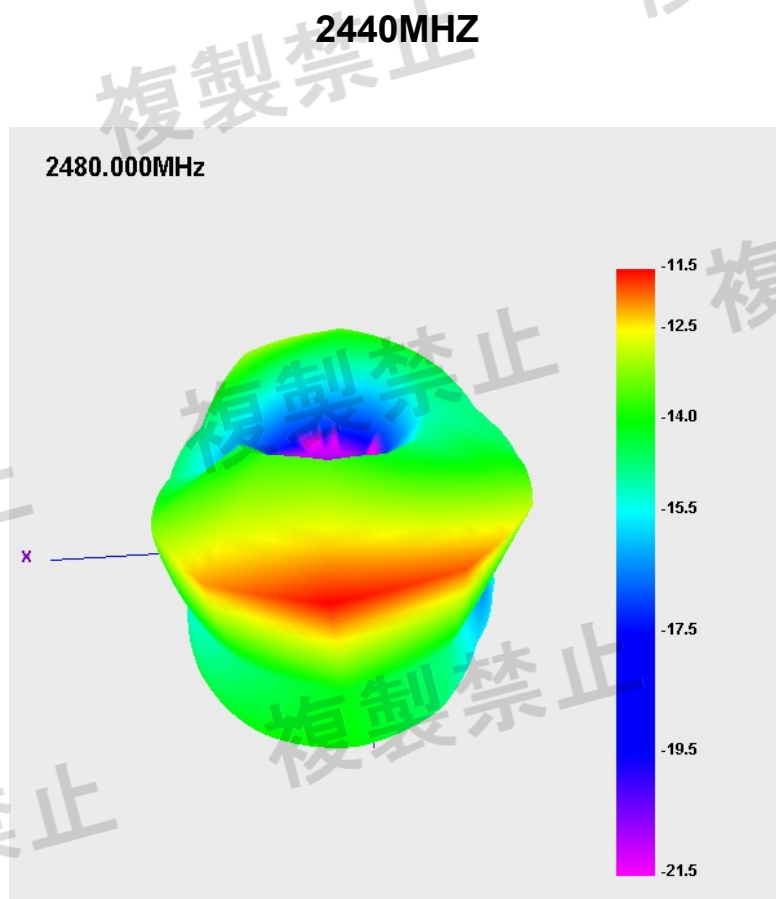
2400MHZ

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3D Pattern



2480MHZ

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2D Pattern

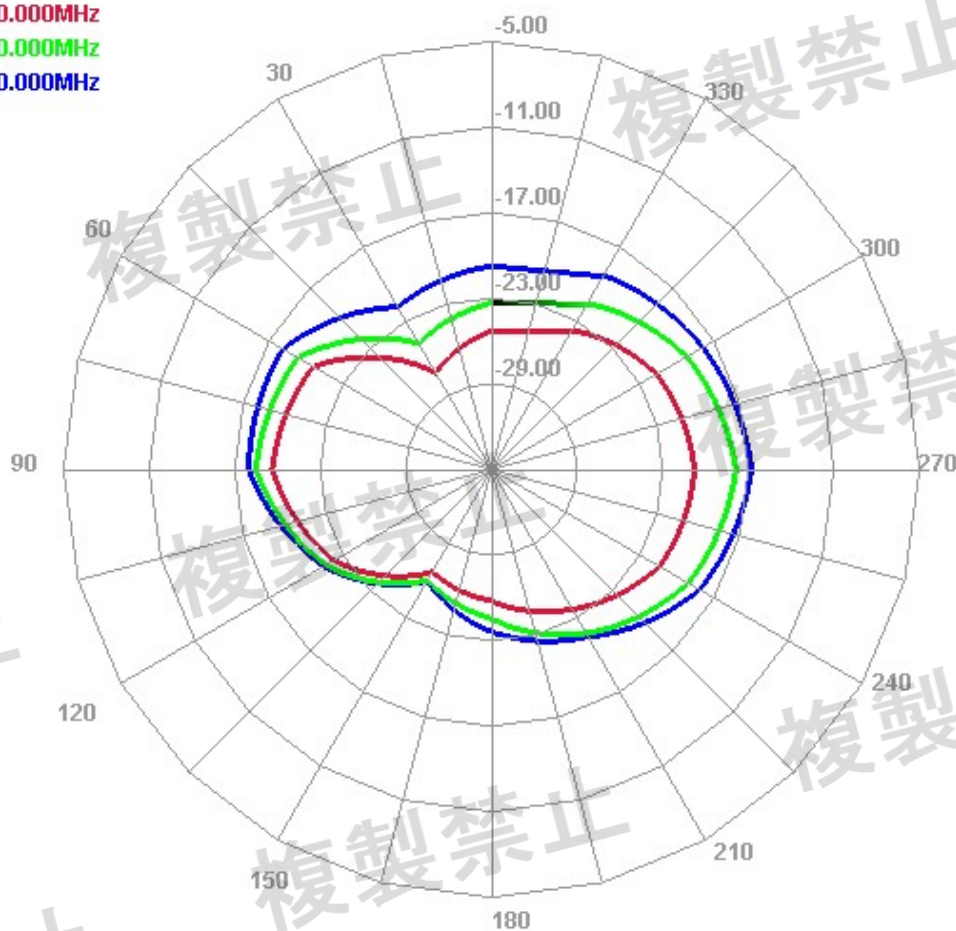
Horizontal

Horizontal

2400.000MHz

2440.000MHz

2480.000MHz



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2D Pattern

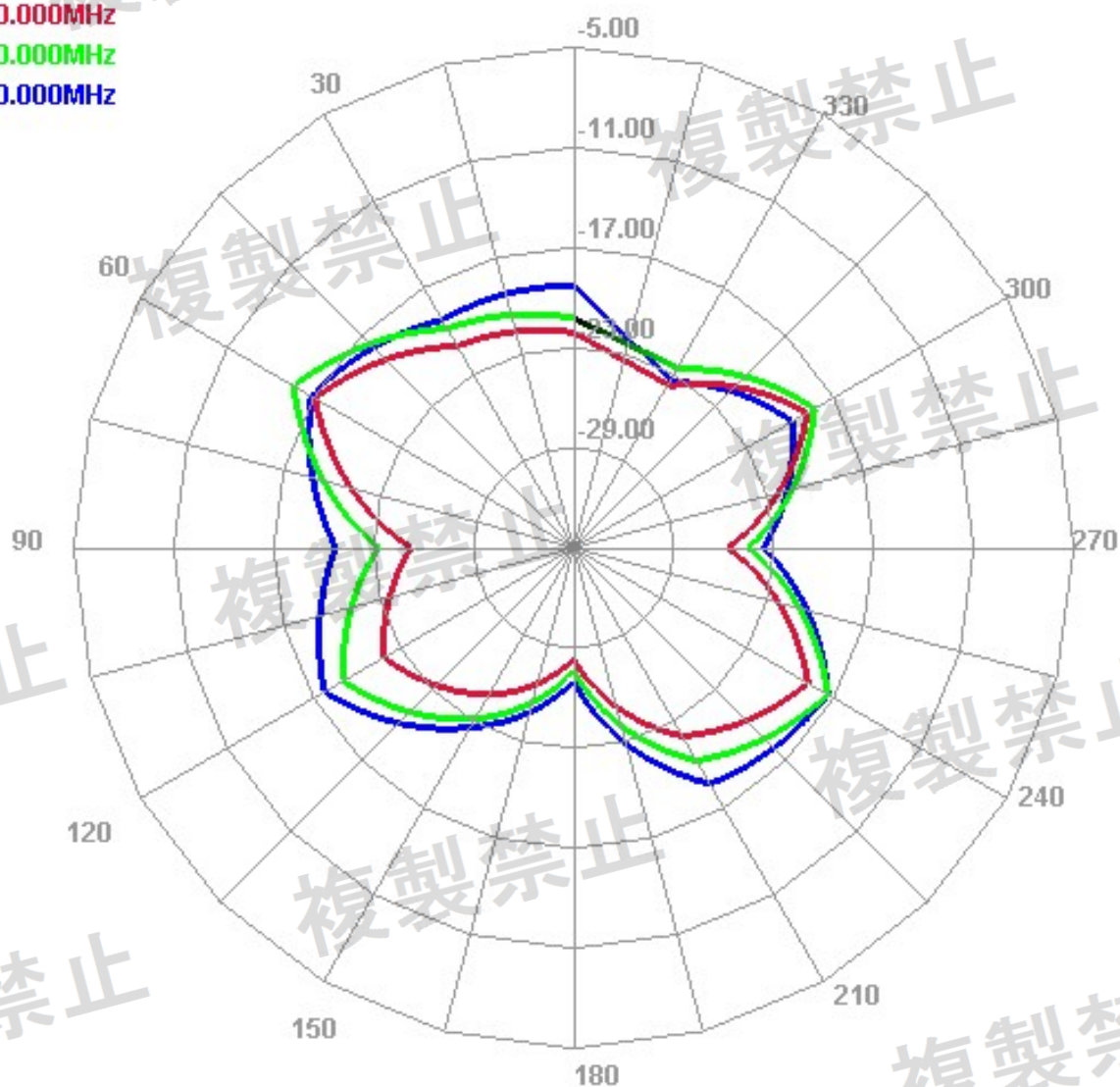
E1 Face

E1 Face

2400.000MHz

2440.000MHz

2480.000MHz



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2D Pattern

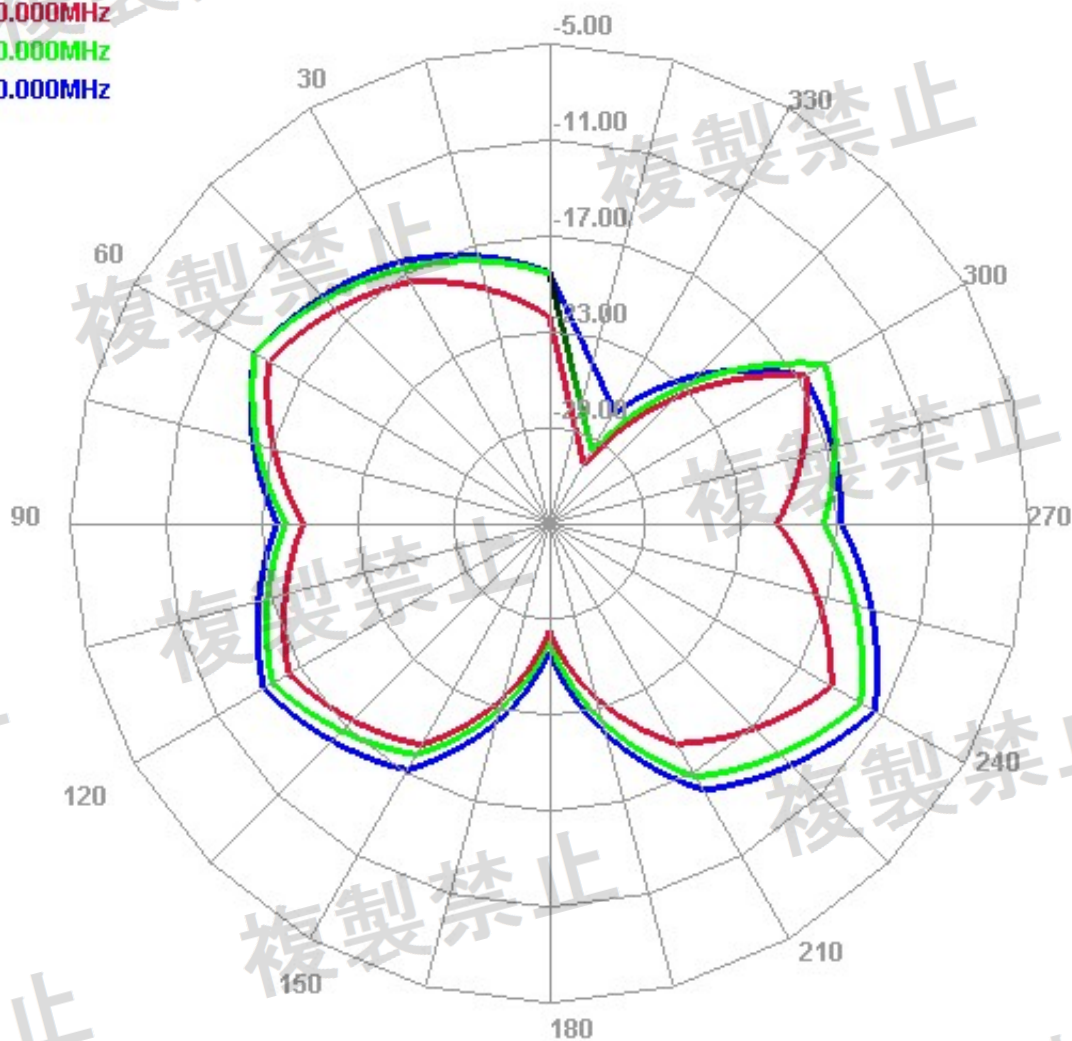
E2 Face

E2 Face

2400.000MHz

2440.000MHz

2480.000MHz



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A photograph of the interior of an anechoic chamber. The walls, floor, and ceiling are covered with blue, pyramidal-shaped electromagnetic absorbers designed to eliminate reflections. In the center, a measurement setup is visible, consisting of a probe mounted on a vertical stand and a small electronic device (possibly a power supply or amplifier) resting on a yellow platform. The lighting is bright, highlighting the texture of the absorbers.

Antenna shape

