

Antenna Test Report

Customer Name :

Product Name :

Onboard antenna

Manufacturer :

Dongguan CYANHE Electronic Technology Co., Ltd

CHECKED BY :

LI LIU

APPROVED BY:

YU JIANG BO

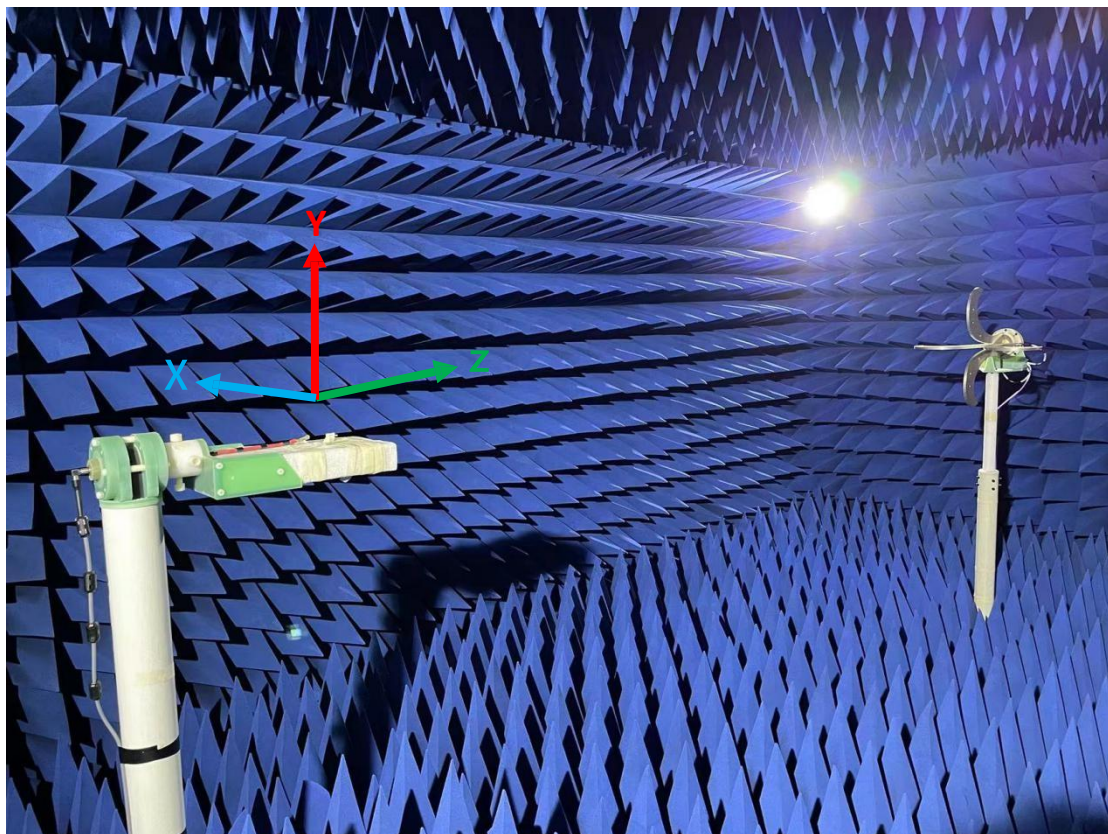
Date :

June 17th, 2025

1 Basic description

1.1 Test site

project	configuration information	remarks
Laboratory name	<i>QH Laboratories</i>	
Darkroom system	<i>ETS 7*3*3</i>	
Testing instruments	<i>E5071C、CMW500</i>	
Relative coordinates	<i>See figure</i>	
Passive testing point	<i>See figure</i>	

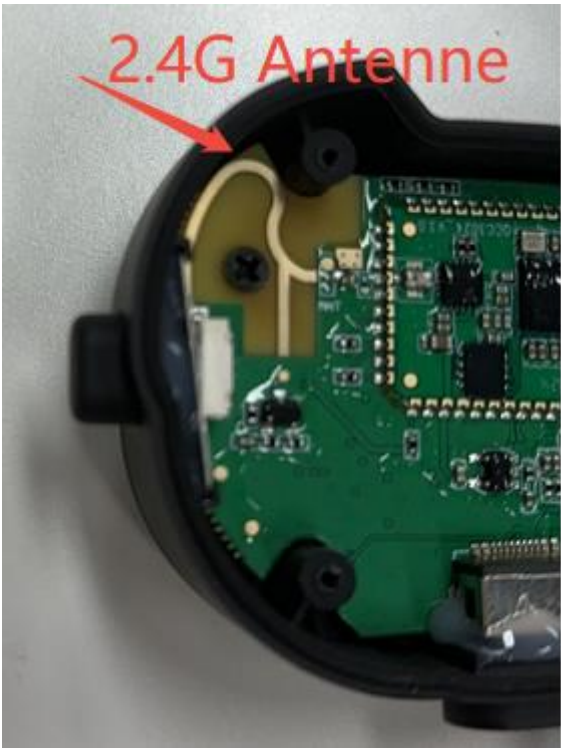


H-Face: XoY

E1-Face: XoZ

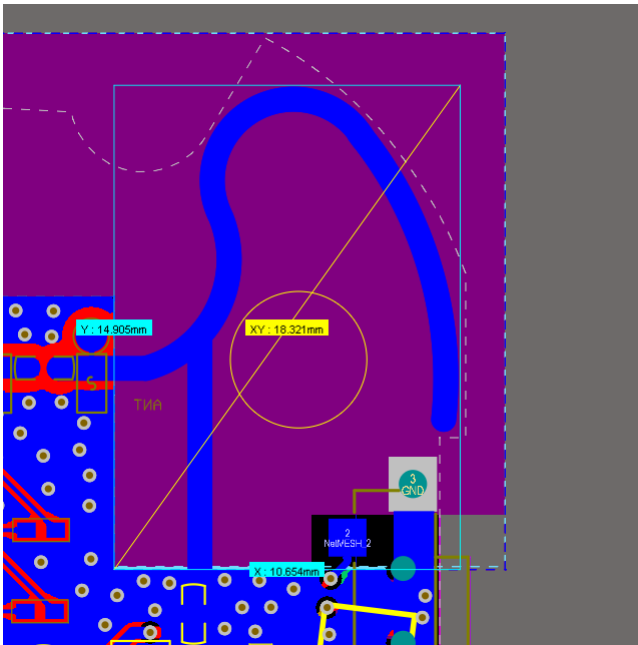
E2-Face: YoZ

1.2 Test object



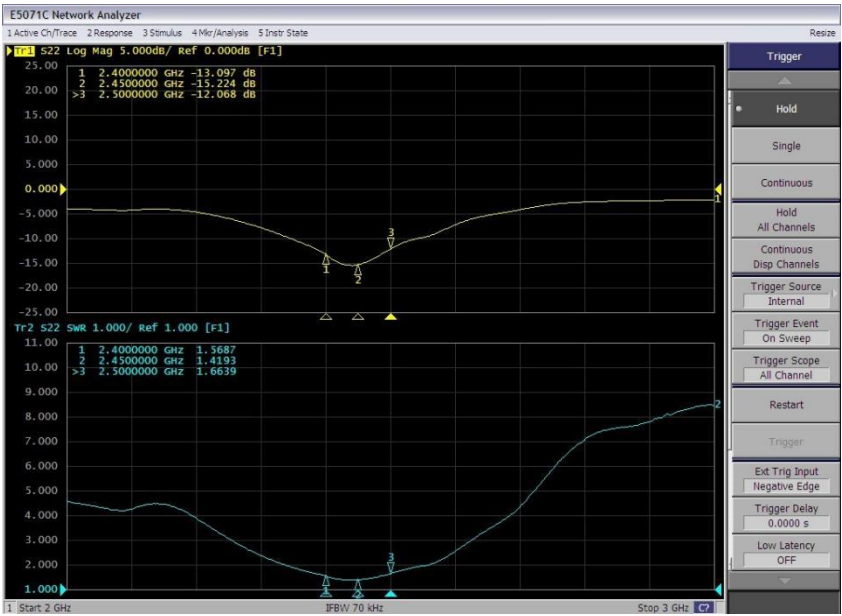
1.3 Test antenna

Antenna name	pattern	form	remarks
2.4G Antenna	<i>Pifa</i>	<i>Onboard</i>	<i>See figure</i>



2 Vector network analyzer testing

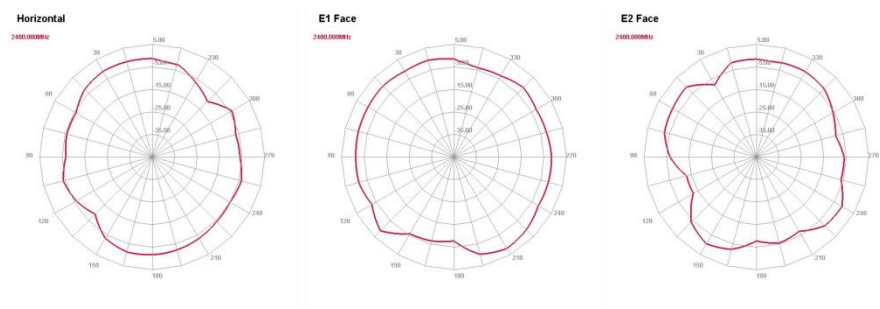
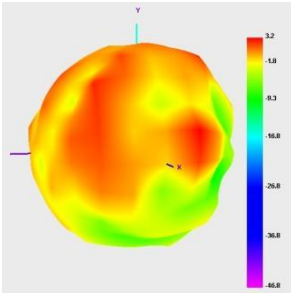
2.1 Voltage standing wave ratio



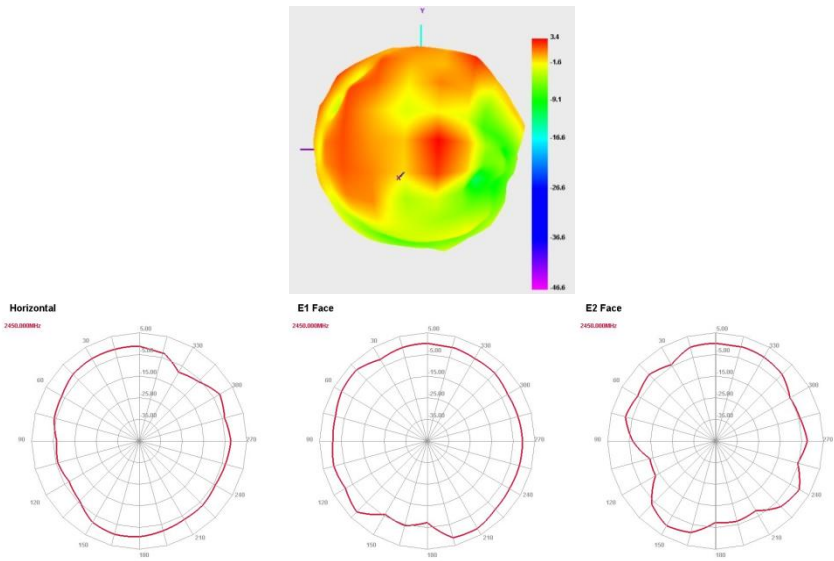
3 Dark room testing

3.1 2D/3D Radiation pattern

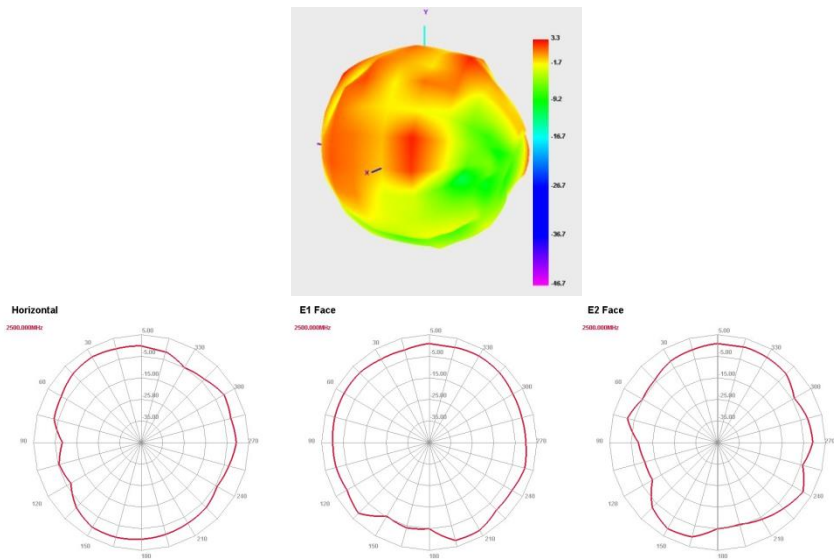
2400MHz



2450MHz



2500MHz



4 Antenna gain & efficiency

2.4G Antenna		
Frequency (MHZ)	Gain (dBi)	Efficiency (%)
2400	3.12	67.39
2450	3.80	68.65
2500	3.54	65.12