

Testing Report

Customer Name: SHENZHEN SHIXINZHONGXIN TECHNOLOGY.CO.,LTD

Product Name: BT Antenna

Sample Model: F-6988

Reference Standard: *GB/T9410-2008; ANSI/IEEE Std 149-1979*

Issue Date: 2022.9.27

Engineer: junwei Li	Date:2022.09.27
Auditor: chao Ma	Date:2022.09.27
Approver: xiao Chen	Date:2022.09.27

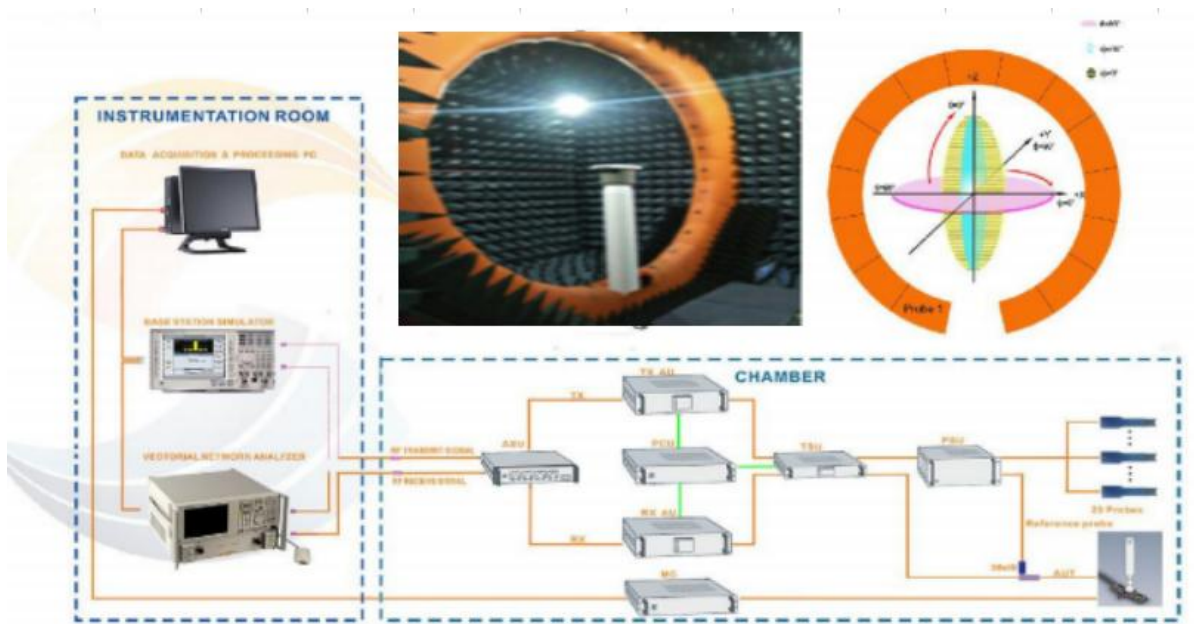
1. General Information

1.1 General Information of testing institutions

Name	Shenzhen Hetuo Technology Co.,Ltd.
Addresses	Room 1202B, Building C6, Hengfeng Industrial City, Xixiang, Baoan District, Shenzhen
Tel	18665849001
E-mail	18665849001@163.com
Equipment	Agilent 5071C

1.2 Testing principle

Multi-probe OTA Measurement System



1.3 Test equipment

Equipment	Model No.	Serial No.	Manufacturer	Calibration date	Next calibration date
24 probe microwave chamber	4*3*3	NA	FEITU	2021.3.15	2023.3.14
Network Analyzer	5071C	NA	Agilent	2022.5.13	2023.5.12

1.4 Test uncertainty

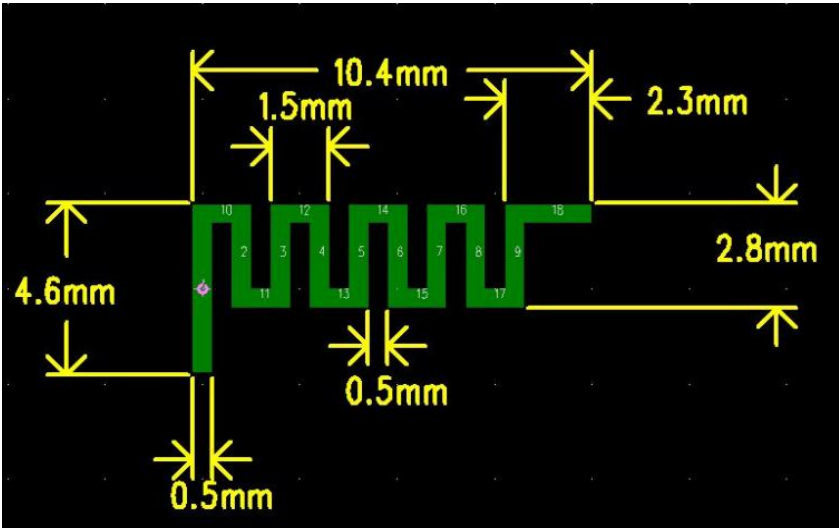
The uncertainty was calculated on the basis of the GUM published by ISO, using the inclusion factor of K=2 and the 95% confidence level to express the extended uncertainty.

Item	Uncertainty
Antenna gain	±0.72dB
Radiation efficiency	±0.72dB

1.5 Test environment

Temperature	24°C±1.5°C
Humidity	45%RH
Pressure	101kPa

1.6 Antenna Photo & Lenght(mm)



2. Sample Information

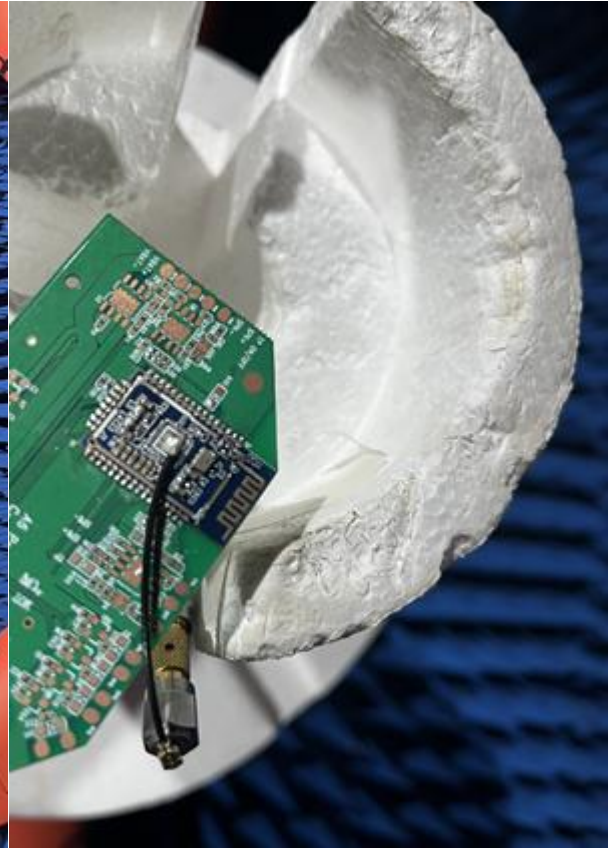
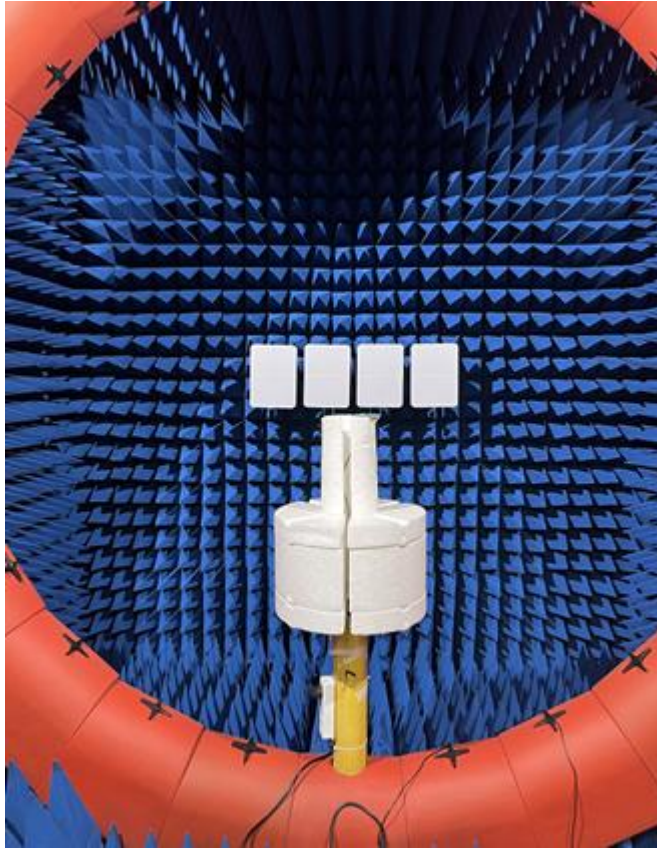
2.1 Client information

Name	SHENZHEN SHIXINZHONGXIN TECHNOLOGY. CO., LTD
Address	A1, Shajing Donghuan Industrial Zone, Bao 'an District, Shenzhen
Contacts	Ma Chao
Tel	18218809918
E-mail	machao@c-chip.com.cn

2.2 Description of EUT(S)

Product Name	BT Antenna
Sample Model	F-6988
Antenna Size	4.6*10.4mm
Antenna Type	PCB antenna
Serial No.	/
Test Item	Antenna Gain,Radiation pattern
Frequency Range	2400-2500MHz
Received Date	2022.09.25
Test Date	2022.09.27
Remark	The length of the RF cable is 50mm

Test Photos



Test data

Frequency (MHz)	2400.0	2410.0	2420.0	2430.0	2440.0	2450.0	2460.0	2470.0	2480.0	2490.0	2500.0
Gain (dBi)	-1.82	-1.63	-2.22	-2.15	-1.57	-1.61	-1.39	-1.23	-1.28	-1.57	-1.23

