

Testing Report

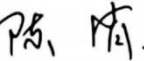
Customer Name: SHENZHEN SHIXINZHONGXIN TECHNOLOGY.CO.,LTD

Product Name: BT Antenna

Sample Model: H20

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

Issue Date: 2024.02.29

Engineer:		Date:2024.02.29
Auditor:		Date:2024.02.29
Approver:		Date:2024.02.29

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



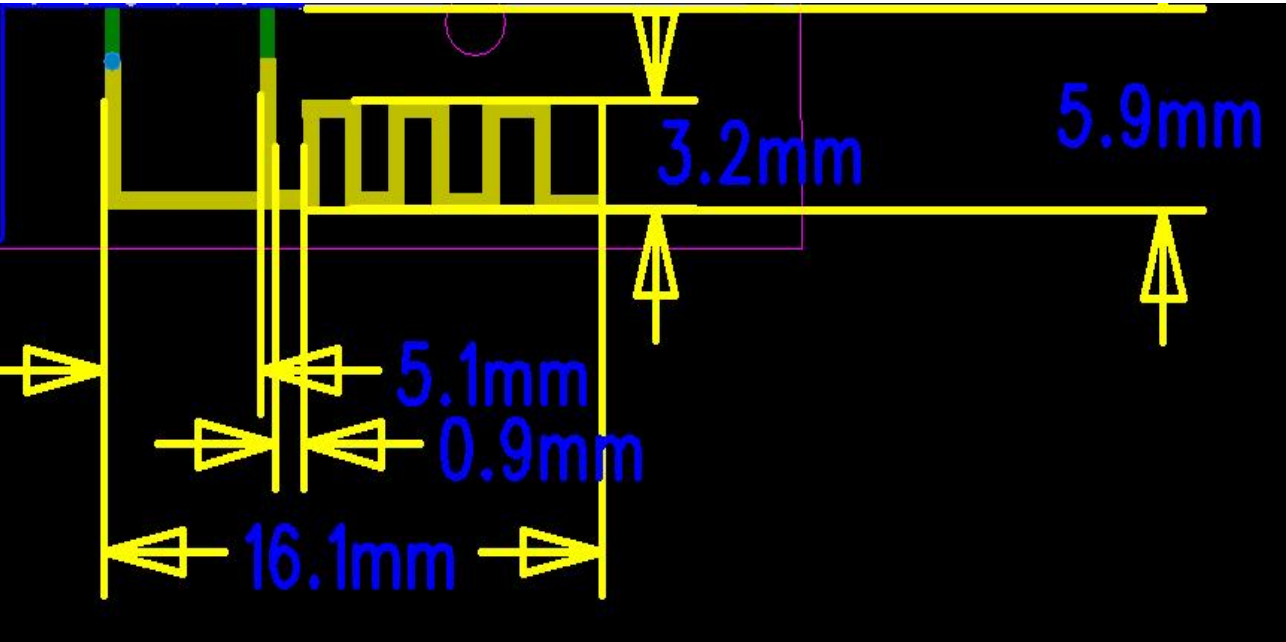
1.3 Test equipment

Equipment	Model No.	Serial No.	Manufacturer	Calibration date	Next calibration date
24 probe microwave chamber	4*3*3	NA	FEITU	2023.12.31	2024.03.01
Network Analyzer	5071C	NA	Agilent	2023.12.31	2024.03.01

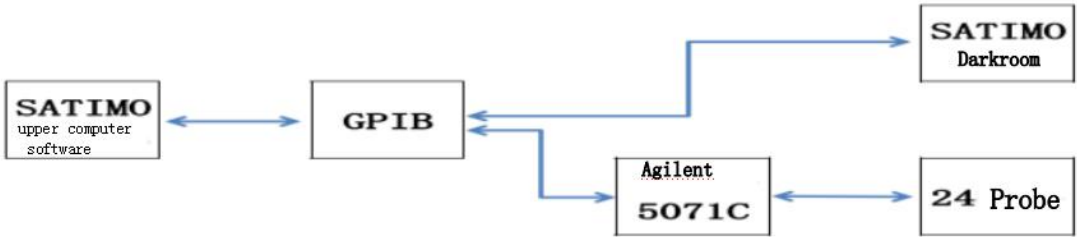
1.4 Test environment

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

1.5 Antenna Photo & Lenght(mm)



1.6 Brief summary of Procedure



1. SATIMO turn on the Upper Computer Software, Name: VeryView99.exe, Version No.: V1.10;
2. VeryView99 via GPIB (General Purpose Interface Bus) to control the shielding room (darkroom)'s SATIMO;
3. Meanwhile, GPIB control the Agilent 5071C to read the Antenna data by 24 Probe;
4. Agilent 5071C will analyse the data and generate the result;
5. Agilent 5071C will feedback to VeryView99 software to generate the test report.

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	H20
Antenna Size	5.9*16.1mm
Antenna Type	PCB antenna
Serial No.	/
Test Item	Antenna Gain,Radiation pattern
Frequency Range	2400-2500MHz
Received Date	2024.02.27
Test Date	2024.02.29
Remark	The length of the RF cable is 50mm



Efficiency (dB)	-8.21	-8.09	-8.28	-8.16	-7.94	-7.82	-7.67	-7.14	-7.17	-6.81	-6.48
Gain (dB)	-2.88	-3.11	-2.82	-2.60	-2.06	-1.72	-1.57	-1.35	-1.13	-1.10	-0.88
Efficiency (%)	15.11	15.53	14.85	15.28	16.08	16.51	17.11	19.32	19.19	20.83	22.51

Gain (dB)											
E1(XZ)波瓣宽度	45.00	71.00	71.00	68.00	69.00	67.00	62.00	58.00	65.00	63.00	66.00
E1(XZ)前后比	2.76	3.20	3.07	4.51	4.73	5.15	5.55	5.17	4.96	5.04	4.04
E2(YZ)波瓣宽度	112.00	163.00	167.00	122.00	127.00	97.00	98.00	88.00	82.00	82.00	84.00

—●— Efficiency (%) ● Max-Min

