



**SGS-CSTC Standards Technical Services
(Shanghai) Co., Ltd.**

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Report No.: SHEM150100023703
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1 Cover Page

FCC MPE REPORT

Application No.:	SHEM1501000237CR
Applicant:	Sybercare Technologies Inc.
FCC ID:	2AD8DSCBTM5000
Equipment Under Test (EUT): NOTE: The following sample(s) submitted was/were identified on behalf of the client as	
Product Name:	Electronic Thermometer
Model No.(EUT):	SCBTM5000
Standards:	FCC Rules 47 CFR §2.1091 KDB447498 D01 General RF Exposure Guidance
Date of Receipt:	January 26, 2015
Date of Test:	February 09, 2015 to February 13, 2015
Date of Issue:	February 15, 2015
Test Result:	Pass*

* In the configuration tested, the EUT complied with the standards specified above.



Tony Wu
E&E Section Manager

SGS-CSTC (Shanghai) Co., Ltd.



The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report. If the product in this report is used in any configuration other than that detailed in the report, the manufacturer must ensure the new system complies with all relevant standards.

The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government. All test results in this report can be traceable to National or International Standards.

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2 Version

Revision Record				
Version	Chapter	Date	Modifier	Remark
00	/	February 15, 2015	/	Original

Authorized for issue by:			
Engineer		Eddy Zong _____	 _____
Clerk		Susie Liu _____	 _____
Reviewer		Keny Xu _____	 _____
		Print Name	

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4 General Information

4.1 Client Information

Applicant:	Sybercare Technologies Inc.
Address of Applicant:	2F Jiasunqi Bldg, high-tech industrial, NO.24-9 Shengliqiaodong Rd, Zhangjiakou, China
Manufacturer:	Sybercare Technologies Inc.
Address of Manufacturer:	2F Jiasunqi Bldg, high-tech industrial, NO.24-9 Shengliqiaodong Rd, Zhangjiakou, China
Factory:	Sybercare Technologies Inc.
Address of Factory:	2F Jiasunqi Bldg, high-tech industrial, NO.24-9 Shengliqiaodong Rd, Zhangjiakou, China

4.2 General Description of E.U.T.

Product Description:	Portable product
Power Supply:	DC 3V by button cell
	Supply the EUT with new battery during the testing.

4.3 Details of E.U.T.

Operation Frequency:	2402MHz-2480MHz
Bluetooth Version:	4.0 Single mode
Modulation Type:	GFSK
Number of Channel:	40
Antenna Type	Integral
Antenna Gain	3dBi

4.4 Test Location

All tests were performed at SGS E&E EMC lab

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4.5 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

- **CNAS (No. CNAS L0599)**

CNAS has accredited SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd. to ISO/IEC 17025:2005 General Requirements for the Competence of Testing and Calibration Laboratories (CNAS-CL01 Accreditation Criteria for the Competence of Testing and Calibration Laboratories) for the competence in the field of testing. Date of expiry: 2017-07-14.

- **FCC – Registration No.: 402683**

SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd. has been registered and fully described in a report filed with the Federal Communications Commission (FCC). The acceptance letter from the FCC is maintained in our files. Registration No.: 402683, Expiry Date: 2017-09-16.

- **Industry Canada (IC) – IC Assigned Code: 8617A**

The 3m Semi-anechoic chamber of SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 8617A-1. Expiry Date: 2017-06-18.

- **VCCI (Member No.: 3061)**

The 3m Semi-anechoic chamber and Shielded Room of SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd. has been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: R-3868 and C-4336 respectively. Date of Registration: 2012-05-29. Date of Expiry: 2015-05-28.

5 Test Standards and Limits

According to §1.1310 Radiofrequency radiation exposure limits:

The limit for general population/uncontrolled exposures

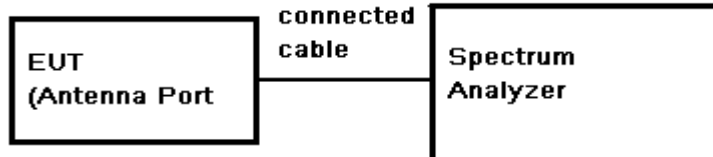
Frequency	Power density(mW/cm ²)	Averaging time(minutes)
300MHz~1.5GHz	f/1500	30
1.5GHz~100GHz	1.0	30

6 Measurement and Calculation

6.1 Maximum transmit power

EUT Operation: Test in fixing frequency operating mode at lowest, middle and highest frequency.

Test Configuration:



Test Data:

Test mode	Channel	Reading Peak Power (dBm)	Cable Loss (dB)	Peak Power (dBm)	Peak Power (mW)	Peak Power Limit (dBm)	Result
GFSK	Low	-9.17	0.5	-8.67	0.14	30	PASS
	Mid	-7.27	0.5	-6.77	0.21	30	PASS
	High	-5.96	0.5	-5.46	0.28	30	PASS

6.2 MPE Calculation

The Max Conducted Peak Output Power is 0.28mW;

The best case gain of the antenna is 3dBi. 3dB logarithmic terms convert to numeric result is nearly 1.995

According to the formula. calculate the EIRP test result:

$$\text{EIRP} = P \times G = 0.28 \text{ mW} \times 1.995 = 0.559\text{mW} < 10\text{mW}$$

So the SAR report is not required.

7 EUT Constructional Details

Refer to the < SCBTM5000_External Photos > & < SCBTM5000 _Internal Photos>.

--End of the Report--