



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

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Report No.: SHEM111000139005  
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## ***TEST REPORT***

**Application No.:** SHEM111000139005  
**Applicant :** HANSON TECHNOLOGY LIMITED

**Equipment under Test (EUT)**

**NOTE:** The following sample(s) submitted was/were identified on behalf of the client as

**EUT Name:** Magic Touchpad  
**Brand Name:** Feltouch  
**Model No:** MAGIC 100  
**Standards:** EN 62479 (2010-09)  
**Date of Receipt:** Oct. 18, 2011  
**Date of Test:** Oct. 20, 2011 to Nov 09, 2011  
**Date of Issue:** Nov 18, 2011

<b>Test Result :</b>	PASS *
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\* In the configuration tested, the EUT complied with the standards specified above.

The CE mark as shown below can be used, under the responsibility of the manufacturer, after completion of an EC Declaration of Conformity and compliance with all relevant EC Directives.

E&E Section Head  
SGS-CSTC(Shanghai) Co., Ltd.



E&E EMC Engineer  
SGS-CSTC(Shanghai) Co., Ltd.

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### 1 Change History

Version	Change Contents	Author	Date
V1.0	First Edition	Zenger zhang	18-Nov-2011

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## 3 General Information

### 3.1 Client Information

Applicant: HANSON TECHNOLOGY LIMITED  
Address of Applicant: Rm 1503, Kun Yang Building, No. 798, Zhao Jia Bang Road,  
Shanghai, China  
Manufacturer: HANSON TECHNOLOGY LIMITED  
Address of Manufacturer: Rm 1503, Kun Yang Building, No. 798, Zhao Jia Bang Road,  
Shanghai, China

### 3.2 General Description of E.U.T.

EUT Name: Magic Touchpad  
Brand Name: Feltouch  
Model No: MAGIC 100  
Supported Frequency Bands: 2.402GHz to 2.480GHz  
Test Frequency Bands: 2.402GHz to 2.480GHz

### 3.3 Details of E.U.T.

Bluetooth Version: V3.0  
AC Adaptor : No Adaptor  
Battery: Fix Battery

### 3.4 Medium Access Protocol

The medium access protocol can be implemented by the equipment, declared by the manufacturer.

### 3.5 Description of Support Units

The EUT has been tested independently.

### 3.6 Standards Applicable for Testing

The applicant requested (R&TTE) RSM part tests for the EUT.  
The standards used were EN 62479:2010



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### 3.7 Test Location

Tests were performed at:

SGS-CSTC EMC Laboratory, No.588 West Jindu Road, Songjiang District, Shanghai, China

Tel: +86 21 6191 5666 Fax: +86 21 6191 5655

### 3.8 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: 2014-07-26.

- **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: 2012-03-17.

- **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. Expiry Date: 2014-09-20.

- **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-3172 and C-3514 respectively. Date of Registration: 2009-11-30. Date of Expiry: 2012-03-17.



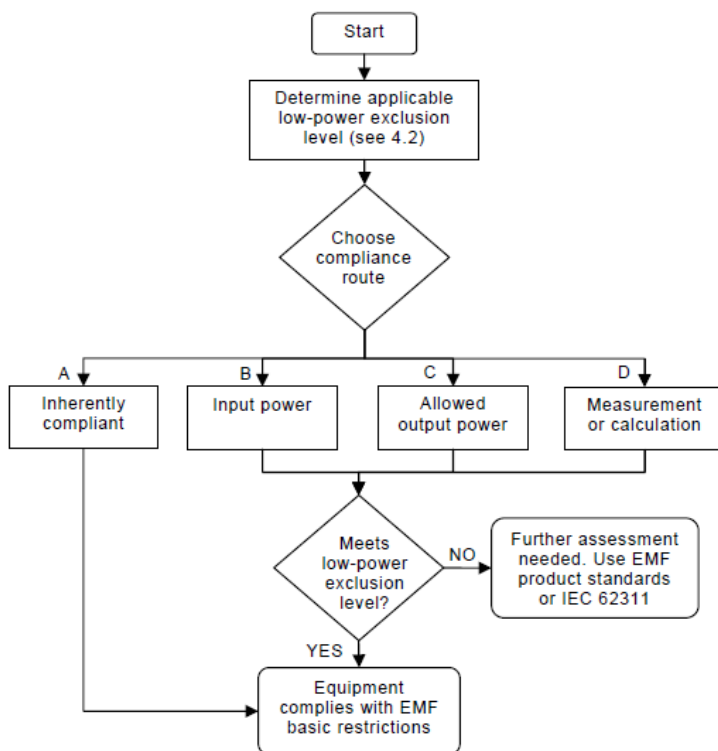
## 4 EN 62479 REQUIREMENT

### 4.1 Human exposure to the Electromagnetic fields

EN 62479:2010 Assessment of the compliance of low power electronic and electrical equipment with the basic restrictions related to human exposure to electromagnetic fields (10 MHz to 300 GHz)

The object of this standard is to demonstrate the compliance of such apparatus with the basic restrictions or reference levels on exposure of the general public related to electric, magnetic, electromagnetic fields as well as induced and contact current.

### 4.2 Compliance Assessment Procedure and Limit





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**Table A.1 – Example values of SAR-based  $P_{\max}$  for some cases described by ICNIRP, IEEE Std C95.1-1999 and IEEE Std C95.1-2005**

Guideline / Standard	SAR limit, $SAR_{\max}$ W/kg	Averaging mass, $m$ g	$P_{\max}$ mW	Exposure tier <sup>a</sup>	Region of body <sup>a</sup>
ICNIRP [1]	2	10	20	General public	Head and trunk
	4	10	40	General public	Limbs
	10	10	100	Occupational	Head and trunk
	20	10	200	Occupational	Limbs
IEEE Std C95.1-1999 [2]	1,6	1	1,6	Uncontrolled environment	Head, trunk, arms, legs
	4	10	40	Uncontrolled environment	Hands, wrists, feet and ankles
	8	1	8	Controlled environment	Head, trunk, arms, legs
	20	10	200	Controlled environment	Hands, wrists, feet and ankles
IEEE Std C95.1-2005 [3]	2	10	20	Action level	Body except extremities and pinnae
	4	10	40	Action level	Extremities and pinnae
	10	10	100	Controlled environment	Body except extremities and pinnae
	20	10	200	Controlled environment	Extremities and pinnae

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### 4.3 Max Power Output

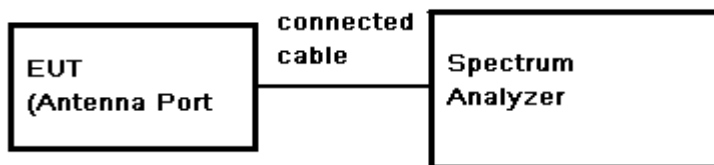
Test Date: Nov 03, 2011

Test Requirement: EN 62479 clause 4.2

Test Method: IEEE Std C95.1-2005

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

Test Configuration:



Measurement Record:

Frequency (MHz)	Reading Peak Power(dBm)	Antenna Gain(dBi)	Cable Loss (dB)	Output Peak Power (dBm)	P <sub>Max</sub> (mW)	Limit (mW)	Result
2402	-3.84	0.6	0.9	-2.34	0.583	20	PASS
2441	-3.49	0.6	0.9	-1.99	0.632	20	PASS
2480	-3.17	0.6	0.9	-1.67	0.681	20	PASS





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## 5 Appendix A: Instruments Used during Test

Item	Test Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Due date
1	Spectrum Analyzer	Rohde & Schwarz	FSP-30	100324	2011-04-19	2012-04-17
2	EMI test receiver	Rohde & Schwarz	ESU40	100109	2011-06-04	2012-06-03
3	Low noise amplifier	TESEQ	LNA6900	70133	2011-07-06	2012-07-05
4	Ultra broadband antenna	Rohde & Schwarz	HL562	100227	2010-12-09	2011-12-08
5	Horn Antenna	Rohde & Schwarz	HF906	100284	2011-03-12	2012-03-10
6	ANTENNA	SCHWARZBECK	VULB9168	9168-313	2011-06-04	2012-06-03
7	Atmosphere pressure meter	Shanghai ZhongXuan Electronic Co;Ltd	BY-2003P	--	2011-10-15	2012-10-14
8	CLAMP METER	FLUKE	316	86080010	2011-04-22	2012-4-20
9	Thermo-Hygrometer	ZHICHEN	ZC1-2	01050033	2011-10-15	2012-10-14
10	TEMPERATURE & HUMIDITY BOX	KSON	THS-D2C-100	K40723	2011-01-22	2012-01-21
11	High-low temperature cabinet	Shanghai YuanZhen	GW2050	--	2011-06-17	2012-06-16
12	DC power	KIKUSUI	PMC35—3	NF100260	2011-01-16	2012-01-15
13	High pass Filter	FSCW	HP 12/2800-5AA2	19A45-02	2011-04-08	2012-04-07

*The end of report*

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