588 West Jindu Road, Songjiang District, Shanghai, China

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Tino.Pan@sgs.com

TEST REPORT

Application No.: SHEMO10090122102

Applicant: Hanson Technology Limited

FCC ID: YY2-100R

Equipment Under Test (EUT):

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

EUT Name: Wireless touch remote

Model Name: FelTouch 100

Standards: FCC CFR 47 Part 15 Subpart B

Date of Receipt:Nov. 22, 2010Date of Test:Nov. 22, 2010Date of Issue:Dec. 23, 2010

Test Result : PASS*

Tino Pan E&E Section Manager

Authorized Signature:

SGS-CSTC(Shanghai) Co., Ltd.

Test by: Saber dong

Saber Dong

E&E Project Engineer

SGS-CSTC(Shanghai)Co.,Ltd

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

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2 Test Summary

Test	Test Requirement	Test Method	Class / Severity	Result
Radiated Emission	CFR 47 Part 15: 2009	ANSI C63.4: 2009	Class B	PASS
Conducted Emission	CFR 47 Part 15: 2009	ANSI C63.4: 2009	Class B	PASS
150KHz-30MHz	CFK 47 Falt 13. 2009	ANSI C03.4: 2009	Class B	PASS

Remark: The product (Wireless touch remote) contains a transmitter (FCC ID:YY2-100T) and a receiver (FCC ID:YY2-100R). This report (Report No.: SHEMO10090122102) is for receiver. For the transmitter, please refer to the report SHEMO10090122101.

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4 General Information

4.1 Client Information

Applicant: Hanson Technology Limited

Address of Applicant: Room 22B, No. 20, Lane 380, Tian Yao Qiao Road, Shangha,

200030, China

Manufacturer: Hanson Technology Limited

Address of Manufacturer: Room 22B, No. 20, Lane 380, Tian Yao Qiao Road, Shangha,

200030, China

4.2 General Description of E.U.T.

EUT Name: Wireless touch remote

Model No.: FelTouch 100

Serial No.: Not supplied by the client

4.3 Details of E.U.T.

Power Supply: PC USB port supply

Power Cord: N/A

4.4 Description of Support Units

Name / Function	Model No.	Remark
Notebook	2876-A65/Tinkpad X100	N/A
AC Adapter of Notebook	Lenovo 65W 20V	N/A
Display	LZ850A60684	Display
Keyboard	KU-0225	Keyboard
Mouse	M028UOL	Mouse
Transmitter	FelTouch 100	Remote controller

4.5 Standards Applicable for Testing

The standards used were CFR 47 Part 2: 2008, CFR 47 Part 15: 2009, ANSI C63.4: 2009.

Table 1: Tests Carried Out Under CFR 47 Part 15: 2009:

Standard		Status
FCC Part 15 Subpart B: 2009	Radiated Emission	√
FCC Part 15 Subpart B: 2009	Conducted Emission	V

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✓ Indicates that the test is not applicable
 ✓ Indicates that the test is applicable

4.6 Abnormalities from Standard Conditions

None.

4.7 Test Location

All tests were performed at:

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

No.588 West Jindu Road, Songjiang District, Shanghai, China. 201612.

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

4.8 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: 2011-07-29.

• 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: 2011-09-29.

• 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.

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4.9 Measurement Uncertainty

According to CISPR 16-4-2.

Test Item	Frequency Range	Measurement Uncertainty		
Conducted Emission	150KHz – 30MHz	3.5dB		
Radiated Emission	30MHz – 1000MHz	4.0dB		

Note: The measurement uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

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5 Equipment Used during Test

Radiated Emission

Item	Test Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Due date
1	EMI test receiver	Rohde & Schwarz	ESU40	100109	2010-06-04	2011-06-03
2	Antenna	SCHWARZBECK	VULB9168	9168-313	2010-06-04	2011-06-03
3	CONTROLLER	INNCO	CO200	474	/	/
4	Antenna	SCHWARZBECK	BBHA9120D	9120D-679	2010-06-04	2011-06-03
5	Antenna	SCHWARZBECK		9170-373	2010-06-04	2011-06-03

Conducted Emission

Item	Test Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Due date
1	EMI test receiver	Rohde & Schwarz	ESCS30	100086	2010-06-04	2011-06-03
2	Line impedance stabilization network	SCHWARZBECK	NSLK8127	8127-490	2010-05-08	2011-05-07
3	Line impedance stabilization network	ETS	3816/2	00034161	2010-08-02	2011-08-01

General Equipment

Item	Test Equipment Manufacturer		Model No.	Serial No.	Cal. Date	Cal.Due date
1	Atmosphere pressure meter Shanghai ZhongXuan Electronic Co;Ltd		BY-2003P	/	2010-10-15	2011-10-14
2	Digital Multimeter FLUKE		17B	10560713	2010-10-16	2011-10-15
3	Thermo-Hygrometer ZHICHEN		ZC1-2	01050033	2010-10-21	2011-10-20
4	Digital illuminance meter	TES electrical electronic Corp.	TES-1330A	050602219	2010-10-16	2011-10-15

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6 Emission Test Results

6.1 Radiated Emissions, 30MHz to 1GHz

Test Requirement: CFR 47 Part 15
Test Method: ANSI C63.4
Test Date: Nov. 26, 2010
Frequency Range: 30MHz to 1GHz

Measurement Distance: 3m Class: N/A

Detector: Peak for pre-scan (120kHz resolution bandwidth)

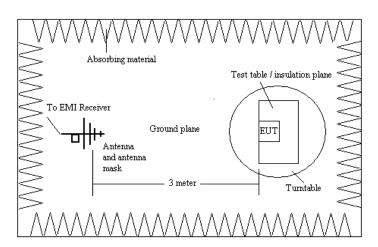
Result: **PASS**

Operating Environment:

Temperature: 24.0 °C Humidity: 56 % RH Atmospheric Pressure: 1014 mbar

EUT Operation: The EUT was set to achieve maximum emission.

Test setup:

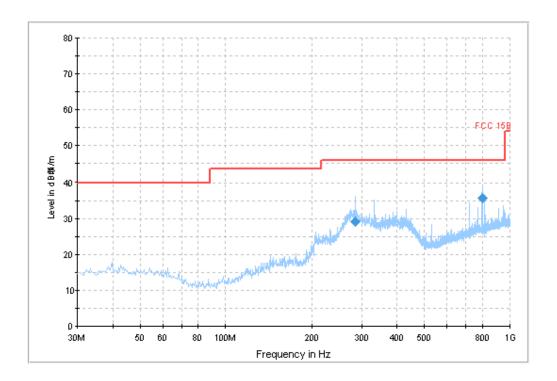


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Test data:

Horizontal:



Final Result 1

Frequenc (MHz)	QuasiPeak (dBpy/m)	Meas. Time (ms)	Bandwidth (kHz)	Antenna height (cm)	Polarity	Turntable position (deg)	Corr. (dB)	Margin (dB)
285.42960	0 29.1	1000.000	120.000	127.0	V	217.0	-8.3	16.9
799.46272	0 35.6	1000.000	120.000	109.0	V	96.0	1.5	10.4

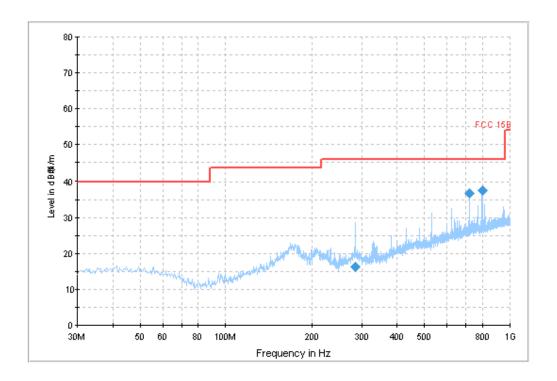
(continuation of the "Final Result 1" table from column 9 ...)

Frequency (MHz)	Limit (dBuv/m)	Comment
285.429600	46.0	
799.462720	46.0	

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Vertical:



Final Result 1

Frequency	QuasiPeak	Meas.	Bandwidth	Antenna	Polarity		Corr.	Margin
(MHz)	(dBµy/m)	Time	(kHz)	height		position	(dB)	(dB)
		(ms)		(cm)		(dea)		
284.691360	16.1	1000.000	120.000	134.0	V	53.0	-8.3	29.9
719.999520	36.7	1000.000	120.000	100.0	V	190.0	0.8	9.3
799.144000	37.5	1000.000	120.000	100.0	V	188.0	1.5	8.5

(continuation of the "Final Result 1" table from column 9 ...)

Frequency (MHz)	Limit (dBuv/m)	Comment
284.691360	46.0	
719.999520	46.0	
799.144000	46.0	

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6.2 Conducted Emissions Mains Terminals, 150kHz to 30MHz

Test Requirement: CFR 47 Part 15
Test Method: ANSI C63.4
Test Date: Nov. 26, 2010

Frequency Range: 150KHz to 30MHz

Class / Severity: N/A

Detector: Peak for pre-scan (9kHz Resolution Bandwidth for 0.15-30MHz)

Quasi-Peak if maximised peak within 6dB of Quasi-Peak limit

Operating Environment:

Temperature: 22.0 °C Humidity: 49 % RH Atmospheric Pressure: 1003 mbar

EUT Operation: Keep the EUT in normal operate mode.

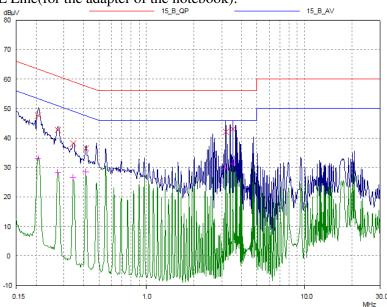
An initial pre-scan was performed on the live and neutral lines with peak detector.

Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission were detected.

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L Line(for the adapter of the notebook):



QP Limit

QP Delta

Final Measurement Results

Frequency

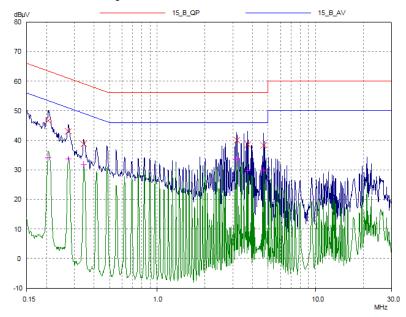
QP Level

MHz	dBµV	dBµ∨	dB
0.2063	47.66	63.35	15.69
0.27484	42.69	60.97	18.28
0.34354	38.07	59.12	21.05
0.41264	36.50	57.59	21.09
3.17303	42.15	56.00	13.85
3.51934	43.11	56.00	12.89
Frequency	AV Level	AV Limit	AV Delta
Frequency MHz	AV Level dBμV	A∀ Limit dBµV	AV Delta dB
MHz	dBµ∨	dΒμV	dB
MHz 0.2063	dBμ√ 33.07	dBμ√ 53.35	dB 20.28
MHz 0.2063 0.27484	dBμ√ 33.07 28.37	dBμ√ 53.35 50.97	dB 20.28 22.60
MHz 0.2063 0.27484 0.34354	dBμV 33.07 28.37 26.65	dBμV 53.35 50.97 49.12	dB 20.28 22.60 22.47

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N Line (for the adapter of the notebook):



Final Measurement Results

Frequency	QP Level	QP Limit	QP Delta
MHz	dBµV	dBµ∨	dB
0.20466	46.56	63.42	16.86
0.27484	43.04	60.97	17.93
0.34354	38.68	59.12	20.44
3.17303	40.00	56.00	16.00
3.72122	38.54	56.00	17.46
4.68857	38.32	56.00	17.68
Frequency	AV Level	AV Limit	AV Delta
MHz	dBµ∨	dBµ∨	dB
0.20466	34.02	53.42	19.40
0.27484	33.60	50.97	17.37
0.34354	31.90	49.12	17.22
3.17303	33.51	46.00	12.49
3.72122	29.84	46.00	16.16
4.68857	29.77	46.00	16.23

End of Report.