FCC TEST REPORT

CATEGORY	:	Portable
PRODUCT NAME	:	Creative FreePoint Travel mini
FCC ID.	:	IBA-NWUT1S
FILING TYPE	:	Certification
BRAND NAME	:	Creative
MODEL NAME	:	NWUT1S
APPLICANT	:	**Creative Technology Ltd** 31 International Business Park, Creative Resource, Singapore 609921
MANUFACTURER	:	**Paten Wireless Technology Co., Ltd.** Da-Ning Industrial Zone, Humen, Dongguan, Guangdong, China
ISSUED BY	:	**SPORTON INTERNATIONAL INC.** 6F, No. 106, Sec. 1, Hsin Tai Wu Rd., His Chih, Taipei Hsien, Taiwan, R.O.C.

Statements:

The test result in this report refers exclusively to the presented test model / sample.
Without written approval of SPORTON International Inc., the test report shall not be reproduced except in full.

Certificate or Test Report could not be used by the applicant to claim the product endorsement by CNLA, NVLAP or any agency of U.S. government.

The test equipment used to perform the test are calibrated and traceable to NML/ROC or NIST/USA.

Dr. Alan Lane
Vice General Manager
Sporton International Inc.

NVLAP®
Lab Code: 200079-0

Table of Contents

History of this test report

Original Report Issue Date: Nov. 08, 2004

Report No.: FR492409

■ No additional attachment.

☐ Additional attachment were issued as following record:

Attachment No.	Issue Date	Description

CERTIFICATE OF COMPLIANCE

with

47 CFR FCC Part 15 Subpart C (Section 15.249)

PRODUCT NAME	:	Creative FreePoint Travel mini
BRAND NAME	:	Creative
MODEL NAME	:	NWUT1S
APPLICANT	:	**Creative Technology Ltd** 31 International Business Park, Creative Resource, Singapore 609921
MANUFACTURER	:	**Paten Wireless Technology Co., Ltd.** Da-Ning Industrial Zone, Humen, Dongguan, Guangdong, China

I **HEREBY** CERTIFY THAT:

The measurements shown in this test report were made in accordance with the procedures given in ANSI C63.4 - 2003 and all test are performed according to 47 CFR FCC Part 15. Testing was carried out on Nov. 08, 2004 at SPORTON International Inc. LAB.

Dr. Alan Lane
Vice General Manager
Sporton International Inc.

1. General Description of Equipment under Test

1.1. Applicant

Creative Technology Ltd
31 International Business Park, Creative Resource, Singapore 609921

1.2. Manufacturer

Paten Wireless Technology Co., Ltd.
Da-Ning Industrial Zone, Humen, Dongguan, Guangdong, China

1.3. Basic Description of Equipment under Test

This product is a 2.4GHz wireless travel mouse. The radio technical data has been listed on section " Features of Equipment under Test ". The interface of the receiver is USB.

1.4. Features of Equipment under Test

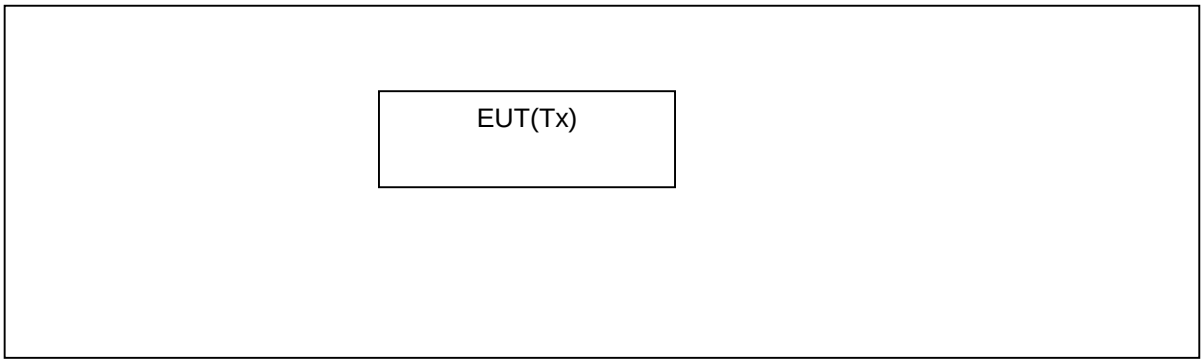
Items		Description
Type of Modulation	:	FSK
Number of Channels	:	8
Frequency Band	:	2403MHz ~ 2430MHz
Carrier Frequency	:	See section 1.5 for details
Channel Bandwidth	:	120kHz
Antenna Type	:	Printed Antenna
Testing Duty Cycle	:	100.00%
Power Rating (DC/AC, Voltage)	:	3 VDC (battery powered)
Temperature Range (Operating)	:	0 ~ 55 ℃

1.5. Table for Carrier Frequencies

Channel	Frequency	Channel	Frequency
01	2403 MHz	05	2419 MHz
02	2407 MHz	06	2422 MHz
03	2411 MHz	07	2426 MHz
04	2415 MHz	08	2430 MHz

2. Test Configuration of the Equipment under Test

2.1. Connection Diagram of Test System



2.2. The Test Mode Description

Spurious emission below 1GHz is independent of channel selection, so only channel 08 was tested.
AC conduction emission is independent of channel selection, so only channel 08 was tested.

2.3. Description of Test Supporting Units

Support unit	Brand	Model No.	Serial No.	FCC ID	Data cable (m)
Notebook	COMPAQ	PRESARIO 1500	SP0004	DoC	-
Printer	EPSON	Stylus Color 680	SP0016	DoC	1

3. General Information of Test

3.1. Test Facility

Test Site Location : No. 52, Hwa Ya 1st Rd., Hwa Ya Technology Park, Kwei-Shan Hsiag, Tao Yuan Hsien, Taiwan, R.O.C.

: TEL 886-3-327-3456

: FAX 886-3-318-0055

Test Site No : 03CH03-HY / TH01-HY

3.2. Test Conditions

Normal Voltage	: 3.0VDC (battery powered)
Extreme Voltages	: 2.7VDC and 3.3VDC (battery powered)
Normal Temperature	: 20℃
Extreme Temperature	: 0 ℃ and 55 ℃

3.3. Standards for Methods of Measurement

Here is the list of the standards followed in this test report.
ANSI C63.4-2003
47 CFR Part 15 Subpart C (Section 15.249)

3.4. DoC Statement

This EUT is also classified as a device of computer peripheral Class B which DoC has to be followed. It has been verified according to the rule of 47 CFR part 15 Subpart B, and found that all the requirements has been fulfilled.

3.5. Frequency Range Investigated

Radiated emission test: from 30 MHz to 10th carrier harmonic

3.6. Test Distance

The test distance of radiated emission (30MHz~1GHz) test from antenna to EUT is 3 M.
The test distance of radiated emission (1GHz~10th carrier harmonic) test from antenna to EUT is 1 M.

3.7. Test Software

During testing, Channel & Power Controlling Software: This was provided by the manufacturer and is able to let the test engineer select the operating channel as well as the RF output power. The parameters for channel selection is trying to offer the test engineer the ability to fix the operating channel for testing, both normal data and continuously transmitting modes are allowed, and that for RF output power selection is for the setting of RF output power expected by the customer and is going to be fixed on the firmware of the final end product.

4. List of Measurements

4.1. Summary of the Test Results

Applied Standard: 47 CFR Part 15 and Part 2

Paragraph	FCC Rule	Description of Test	Result
5.1	15.249	Maximum Carrier Field Strength	Pass
5.2	15.207	AC Power Line Conducted Emission	Pass
5.3	15.209/15.249	Spurious Radiated Emission	Pass
5.4	15.203	Antenna Requirement	Pass

5. Test Result

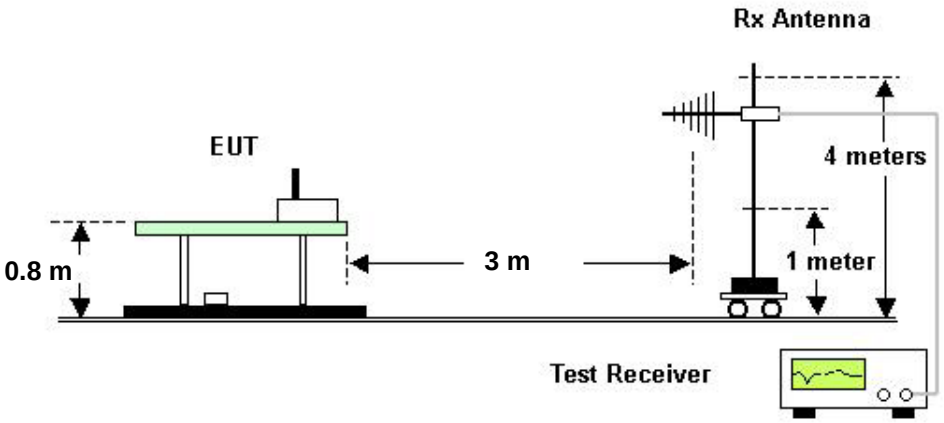
5.1. Test of Maximum Carrier Field Strength

5.1.1. Measuring Instruments

Item 6~17 of the table is on section 6.

5.1.2. Test Procedures

1. Configure the EUT according to ANSI C63.4.
2. The turn table was rotated by 360 degrees to determine the position of the highest radiation.
3. The height of the broadband receiving antenna was varied between one meter and four meters above ground to find the maximum emission field strength of both horizontal and vertical polarization.
4. For carrier field strength emission, the antenna tower was scan (from 1 M to 4 M) and then the turn table was rotated (from 0 degree to 360 degrees) to find the maximum reading.
5. For carrier field strength emission, use 1MHz VBW and RBW for peak reading. Then 1MHz RBW and 10Hz VBW for average reading in spectrum analyzer.
6. Test Setup Layout



5.1.3. Test Result

- Temperature: 26°C
- Relative Humidity: 64%
- Duty Cycle of the Equipment During the Test: 100.00%
- Test Engineer: Sam Lee

Channel	Frequency	Level	Over Limit	Limit Line	Read Level	Detector
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	
01	2403 MHz	63.02	-9.02	94.00	32.98	Average
01	2403 MHz	65.17	8.83	114.00	35.13	Peak
05	2419 MHz	62.83	8.83	94.00	44.90	Average
05	2419 MHz	64.65	-9.35	114.00	38.80	Peak
08	2430 MHz	63.25	9.25	94.00	33.12	Average
08	2430 MHz	64.97	-9.03	114.00	34.84	Peak

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

5.2. Test of AC Power Line Conducted Emission

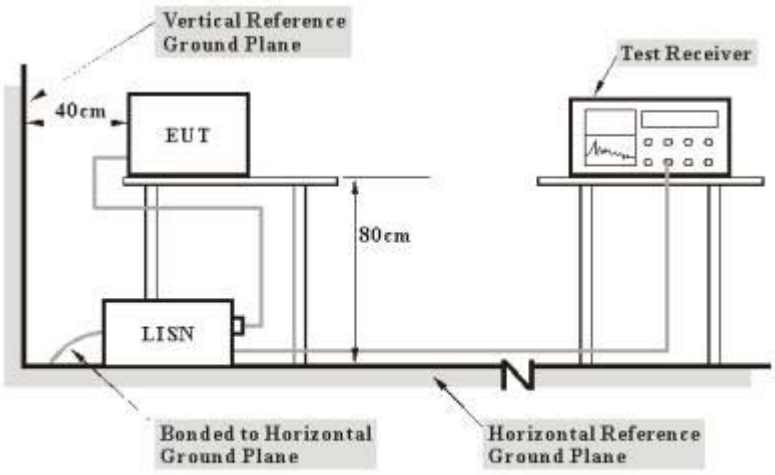
5.2.1. Measuring Instruments

Please reference item 1~5 in chapter 6 for the instruments used for testing.

5.2.2. Test Procedures

1. Configure the EUT according to ANSI C63.4.
2. The EUT has to be placed 0.4 meter far from the conducting wall of the shielding room and at least 80 centimeters from any other grounded conducting surface.
3. Connect EUT to the power mains through a line impedance stabilization network (LISN)
4. All the support units are connected to the other LISNs. The LISN should provides 50uH/50ohms coupling impedance.
5. The frequency range from 150 KHz to 30 MHz was searched.
6. Use the Channel & Power Controlling software to make the EUT working on selected channel and expected output power, then use the “H” Patter Generator software to make the supporting equipments stay on working condition.
7. Set the test-receiver system to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
8. The measurement has to be done between each power line and ground at the power terminal for each RF channel. Only one RF channel has to be investigated since this test is independent with the RF channel selection.

5.2.3. Test Setup Layout



Note: 1. Support units were connected to second LISN.
2. Both of LISNs (AMN) 80 cm from EUT and at the least 80 cm from other units and other metal planes support units.

5.2.4. Test Result of Conducted Emission

- Temperature: 26°C
- Relative Humidity: 64%
- Test Engineer: Hikaru Chan

Line to Ground

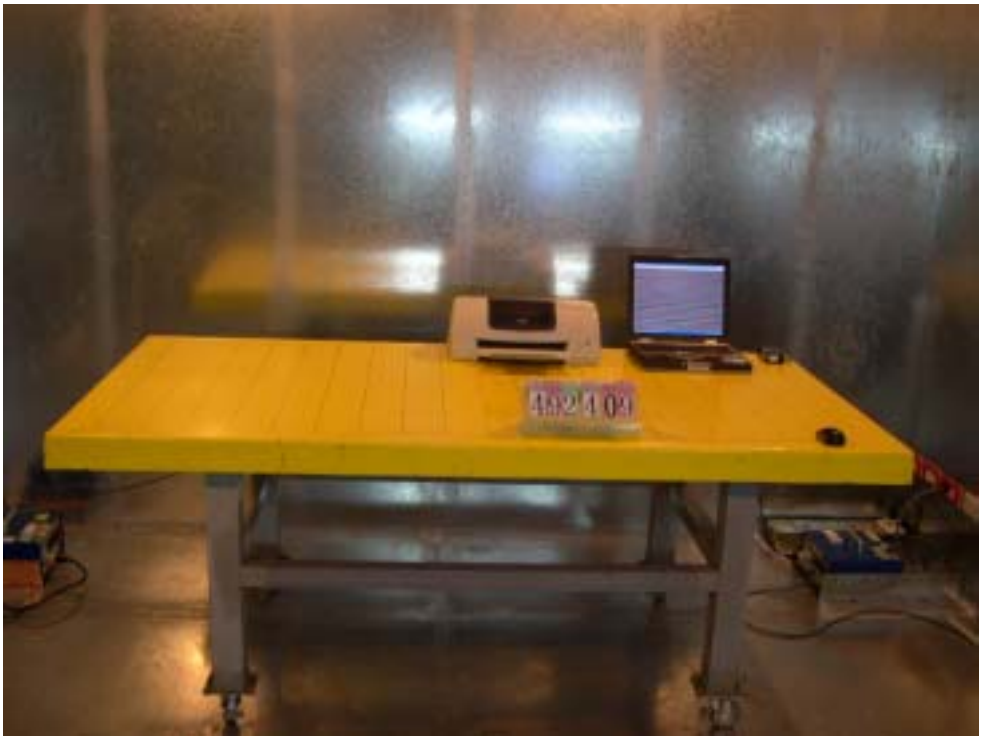
	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	@0.1500000	58.21	-7.79	66.00	57.77	0.10	0.34	QP
2	0.1500000	42.50	-13.50	56.00	42.06	0.10	0.34	Average
3	0.2303960	36.04	-26.40	62.44	35.90	0.10	0.04	QP
4	0.2303960	22.77	-29.67	52.44	22.63	0.10	0.04	Average
5	0.8849860	32.16	-23.84	56.00	31.59	0.10	0.47	QP
6	0.8849860	23.85	-22.15	46.00	23.28	0.10	0.47	Average
7	2.240	19.86	-26.14	46.00	19.71	0.12	0.03	Average
8	2.240	30.00	-26.00	56.00	29.85	0.12	0.03	QP
9	4.360	22.51	-23.49	46.00	22.22	0.20	0.09	Average
10	4.360	29.78	-26.22	56.00	29.49	0.20	0.09	QP
11	11.320	33.36	-26.64	60.00	32.56	0.20	0.60	QP
12	11.320	27.51	-22.49	50.00	26.71	0.20	0.60	Average

Neutral to Ground

	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.1515980	57.53	-8.38	65.91	57.10	0.10	0.33	QP
2	0.1515980	42.26	-13.65	55.91	41.83	0.10	0.33	Average
3	0.2094380	37.23	-26.00	63.23	37.12	0.10	0.01	QP
4	0.2094380	20.49	-32.74	53.23	20.38	0.10	0.01	Average
5	1.150	31.08	-24.92	56.00	30.62	0.10	0.36	QP
6	1.150	22.75	-23.25	46.00	22.29	0.10	0.36	Average
7	3.040	20.38	-25.62	46.00	20.21	0.10	0.07	Average
8	3.040	28.36	-27.64	56.00	28.19	0.10	0.07	QP
9	4.600	30.11	-25.89	56.00	29.91	0.12	0.08	QP
10	4.600	23.37	-22.63	46.00	23.17	0.12	0.08	Average
11	10.560	32.42	-27.58	60.00	31.75	0.20	0.47	QP
12	10.560	25.71	-24.29	50.00	25.04	0.20	0.47	Average

5.2.5. Photographs of Conducted Emission Test Configuration

FRONT VIEW



REAR VIEW

5.3. Test of Spurious Radiated Emission

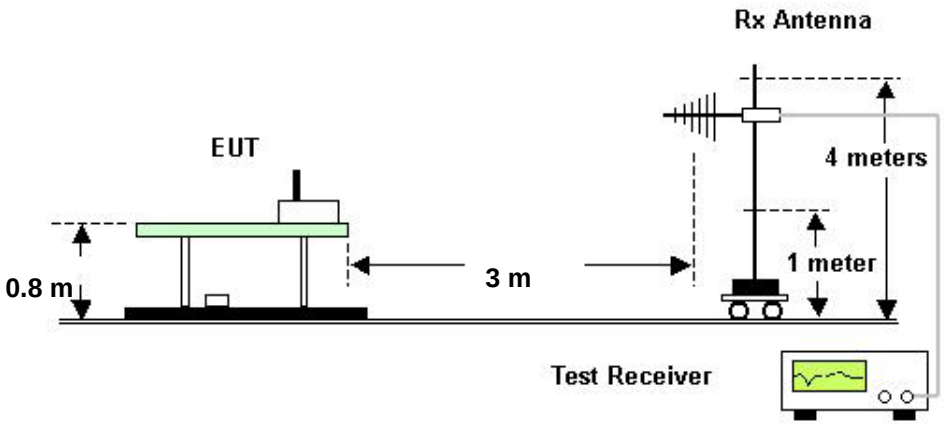
5.3.1. Measuring Instruments

Please reference item 6~17 in chapter 6 for the instruments used for testing.

5.3.2. Test Procedures

1. Configure the EUT according to ANSI C63.4.
2. The EUT was placed on the top of the turn table 0.8 meter above ground.
3. The phase center of the receiving antenna mounted on the top of a height-variable antenna tower was placed 3 meters far away from the turn table.
4. Power on the EUT and all the supporting units.
5. The turn table was rotated by 360 degrees to determine the position of the highest radiation.
6. The height of the broadband receiving antenna was varied between one meter and four meters above ground to find the maximum emission field strength of both horizontal and vertical polarization.
7. For each suspected emission, the antenna tower was scan (from 1 M to 4 M) and then the turn table was rotated (from 0 degree to 360 degrees) to find the maximum reading.
8. Set the test-receiver system to Peak or CISPR quasi-peak Detect Function with specified bandwidth under Maximum Hold Mode.
9. For emission above 1GHz, use 1MHz VBW and RBW for peak reading. Then 1MHz RBW and 10Hz VBW for average reading in spectrum analyzer.
10. If the emission level of the EUT in peak mode was 3 dB lower than the average limit specified, then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions which do not have 3 dB margin will be repeated one by one using the quasi-peak method for below 1GHz and average method for above the 1GHz. the reported.
11. For testing above 1GHz, the emission level of the EUT in peak mode was 20dB higher than average limit (that means the emission level in peak mode also complies with the limit in average mode), then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.

5.3.3. Test Setup Layout



5.3.4. Test Results for CH 08 / 2430 MHz (for emission below 1GHz)

- Temperature: 26°C
- Relative Humidity: 64%
- Duty Cycle of the Equipment During the Test: 100.00%
- Test Engineer: Steve Chen

(A) Polarization: Horizontal

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	61.110	14.58	-25.42	40.00	30.82	10.43	1.31	27.98	Peak	---	---
2	66.380	13.94	-26.06	40.00	30.48	10.06	1.37	27.97	Peak	---	---
3	178.750	24.05	-19.45	43.50	35.17	14.20	2.42	27.74	Peak	---	---
1	358.400	19.03	-26.97	46.00	27.72	15.57	3.33	27.59	Peak	---	---
2	707.200	25.04	-20.96	46.00	28.26	20.79	4.70	28.71	Peak	---	---
3	957.600	31.64	-14.36	46.00	31.27	22.96	5.65	28.24	Peak	145	172

(B) Polarization: Vertical

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	55.500	14.84	-25.16	40.00	30.66	10.91	1.26	27.99	Peak	---	---
2	62.300	17.34	-22.66	40.00	33.65	10.34	1.32	27.97	Peak	---	---
3	66.380	15.52	-24.48	40.00	32.06	10.06	1.37	27.97	Peak	---	---
1	407.200	19.67	-26.33	46.00	27.28	16.74	3.51	27.86	Peak	---	---
2	666.400	24.45	-21.55	46.00	27.93	20.60	4.65	28.73	Peak	---	---
3	957.600	31.28	-14.72	46.00	30.91	22.96	5.65	28.24	Peak	---	---
4	957.600	31.28	-14.72	46.00	30.91	22.96	5.65	28.24	Peak	---	---

Note:
Emission level (dBuV/m) = 20 log Emission level (uV/m)
Corrected Reading: Probe Factor + Cable Loss + Read Level - Preamp Factor = Level

5.3.5. Test Results for CH 01 / 2403 MHz (for emission above 1GHz)

- Temperature: 26°C
- Relative Humidity: 64%
- Duty Cycle of the Equipment During the Test: 100.00%
- Test Engineer: Steve Chen

(A) Polarization: Horizontal

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	1692.000	35.30	-18.70	54.00	47.08	26.02	1.56	39.36	Peak	---	---
2	1822.000	36.50	-17.50	54.00	47.83	26.56	1.58	39.47	Peak	---	---
3	4806.000	48.46	-5.54	54.00	53.24	32.96	2.40	40.14	Peak	---	---

(B) Polarization: Vertical

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	1348.000	34.09	-19.91	54.00	47.12	24.82	1.35	39.20	Peak	---	---
2	1924.000	36.81	-17.19	54.00	47.77	27.02	1.58	39.56	Peak	---	---
3	4806.000	44.46	-9.54	54.00	49.24	32.96	2.40	40.14	Peak	---	---

Note:
Emission level (dBuV/m) = 20 log Emission level (uV/m)
Corrected Reading: Probe Factor + Cable Loss + Read Level - Preamp Factor = Level

5.3.6. Test Results for CH 05 / 2419 MHz (for emission above 1GHz)

- Temperature: 26°C
- Relative Humidity: 64%
- Duty Cycle of the Equipment During the Test: 100.00%
- Test Engineer: Steve Chen

(A) Polarization: Horizontal

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	1356.000	34.65	-19.35	54.00	47.66	24.85	1.34	39.20	Peak	---	---
2	1892.000	36.69	-17.31	54.00	47.78	26.86	1.59	39.54	Peak	---	---
3	4838.000	46.16	-7.84	54.00	50.81	33.02	2.47	40.14	Peak	---	---

(B) Polarization: Vertical

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	1446.000	35.03	-18.97	54.00	47.72	25.04	1.46	39.19	Peak	---	---
2	1860.000	35.58	-18.42	54.00	46.69	26.79	1.62	39.52	Peak	---	---
3	4838.000	44.15	-9.85	54.00	48.80	33.02	2.47	40.14	Peak	---	---

Note:
Emission level (dBuV/m) = 20 log Emission level (uV/m)
Corrected Reading: Probe Factor + Cable Loss + Read Level - Preamp Factor = Level

5.3.7. Test Results for CH 08 / 2430 MHz (for emission above 1GHz)

- Temperature: 26°C
- Relative Humidity: 64%
- Duty Cycle of the Equipment During the Test: 100.00%
- Test Engineer: Steve Chen

(A) Polarization: Horizontal

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	1100.000	33.67	-20.33	54.00	47.30	24.39	1.21	39.23	Peak	---	---
2	1918.000	36.66	-17.34	54.00	47.62	27.02	1.58	39.56	Peak	---	---
3	4862.000	46.95	-7.05	54.00	51.49	33.05	2.55	40.14	Peak	---	---

(B) Polarization: Vertical

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	1030.000	36.35	-17.65	54.00	47.56	26.65	1.63	39.49	Peak	---	---
2	2134.000	37.41	-16.59	54.00	47.65	27.71	1.68	39.63	Peak	---	---
3	4838.000	46.16	-7.84	54.00	50.81	33.02	2.47	40.14	Peak	---	---

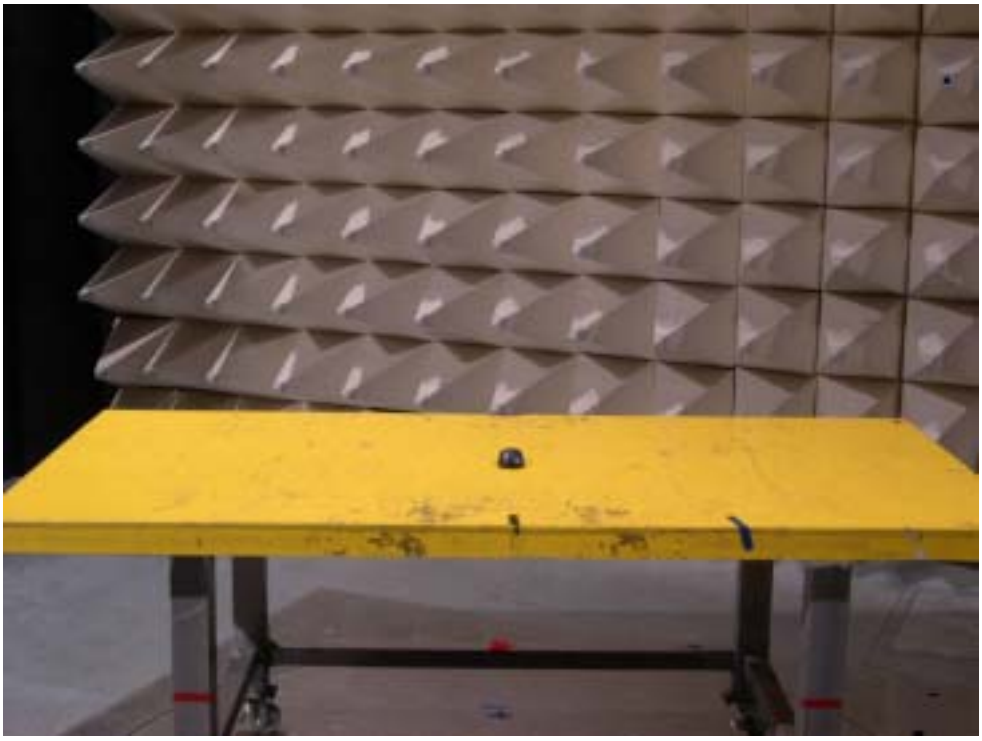
Note:

Emission level (dBuV/m) = 20 log Emission level (uV/m)

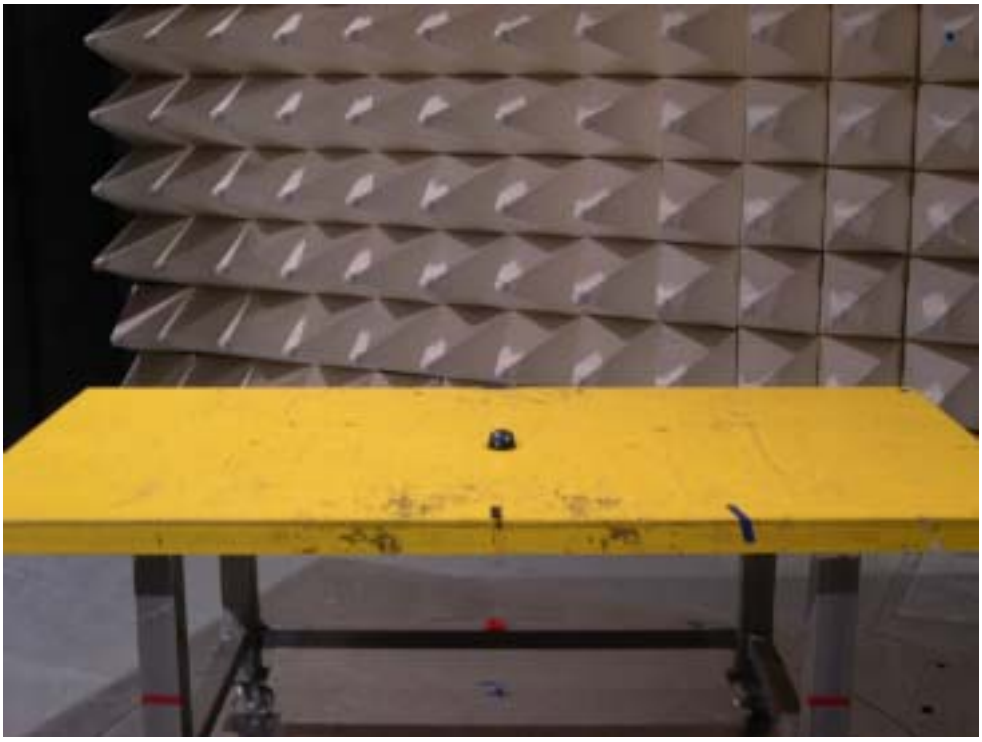
Corrected Reading: Probe Factor + Cable Loss + Read Level - Preamp Factor = Level

5.3.8. Photographs of Radiated Emission Test Configuration

FRONT VIEW



REAR VIEW



5.4. Antenna Requirements

5.4.1. Standard Applicable

47 CFR Part15 Section 15.203:
An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

5.4.2. Antenna Connected Construction

There is no antenna connector for printed antenna.

6. List of Measuring Equipments Used

Items	Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
1	Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
2	EMC Receiver	R&S	ESCS 30	100174	9 KHz – 2.75 GHz	Feb. 16, 2004	Conduction (CO04-HY)
3	LISN	MessTec	NNB-2/16Z	2001/004	9 KHz – 30 MHz	Jun. 09, 2004	Conduction (CO04-HY)
4	LISN (Support Unit)	MessTec	NNB-2/16Z	99041	9 KHz – 30 MHz	Apr. 27, 2004	Conduction (CO04-HY)
5	EMI Filter	LINDGREN	LRE-2030	2651	< 450 Hz	N/A	Conduction (CO04-HY)
6	RF Cable-CON	UTIFLEX	3102-26886-4	CB044	9KHz~30MHz	Apr. 21, 2004	Conduction (CO04-HY)
7	3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	30MHz~1GHz 3m	Jun. 21, 2004	Radiation (03CH03-HY)
8	Spectrum analyzer	R&S	FSP40	100004	9KHZ~40GHz	Aug. 22, 2004	Radiation (03CH03-HY)
9	Amplifier	HP	8447D	2944A09072	100KHz – 1.3GHz	Nov. 05, 2003	Radiation (03CH03-HY)
10	Biconical Antenna	SCHWARZBECK	VHBB 9124	301	30MHz –200MHz	Jul. 28, 2004	Radiation (03CH03-HY)
11	Log Antenna	SCHWARZBECK	VUSLP 9111	221	200MHz -1GHz	Jul. 28, 2004	Radiation (03CH03-HY)
12	RF Cable-R03m	Jye Bao	RG142	CB021	30MHz~1GHz	Dec. 03, 2003	Radiation (03CH03-HY)
13	Amplifier	MITEQ	AFS44	849984	100MHz~26.5GHz	Mar. 26, 2004	Radiation (03CH03-HY)
14	Horn Antenna	EMCO	3115	6821	1GHz – 18GHz	Sep. 11, 2004	Radiation (03CH03-HY)
15	Turn Table	HD	DS 420	420/650/00	0 ~ 360 degree	N/A	Radiation (03CH03-HY)
16	Antenna Mast	HD	MA 240	240/560/00	1 m - 4 m	N/A	Radiation (03CH03-HY)
17	Horn Antenna	Schwarzbeck	BBHA9170	154	15GHz~40GHz	Jun. 09, 2004	Radiation (03CH03-HY)
18	RF Cable-HIGH	Jye Bao	RG142	CB030-HIGH	1GHz~29.5GHz	Dec. 05, 2003	Radiation (03CH03-HY)

※ Calibration Interval of instruments listed above is one year.

Items	Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
19	Spectrum analyzer	R&S	FSP7	838858/014	9KHZ~7GHZ	Sep. 02, 2004	Conducted (TH01-HY)
20	Power meter	R&S	NRVS	100444	DC~40GHz	Jun. 15, 2004	Conducted (TH01-HY)
21	Power sensor	R&S	NRV-Z55	100049	DC~40GHz	Jun. 15, 2004	Conducted (TH01-HY)
22	Power Sensor	R&S	NRV-Z32	100057	30MHz-6GHz	Jun. 15, 2004	Conducted (TH01-HY)
23	AC power source	HPC	HPA-500W	HPA-9100024	AC 0~300V	Jun. 16, 2004	Conducted (TH01-HY)
24	AC power source	G.W.	GPC-6030D	C671845	DC 1V~60V	Nov. 06, 2003	Conducted (TH01-HY)
25	Temp. and Humidity Chamber	KSON	THS-C3L	612	N/A	Sep. 30, 2004	Conducted (TH01-HY)
26	RF CABLE-1m	Jye Bao	RG142	CB034-1m	20MHz~7GHz	Jan. 01, 2004	Conducted (TH01-HY)
27	RF CABLE-2m	Jye Bao	RG142	CB035-2m	20MHz~1GHz	Jan. 01, 2004	Conducted (TH01-HY)

APPENDIX A. Photographs of EUT

SPORTON International Inc.
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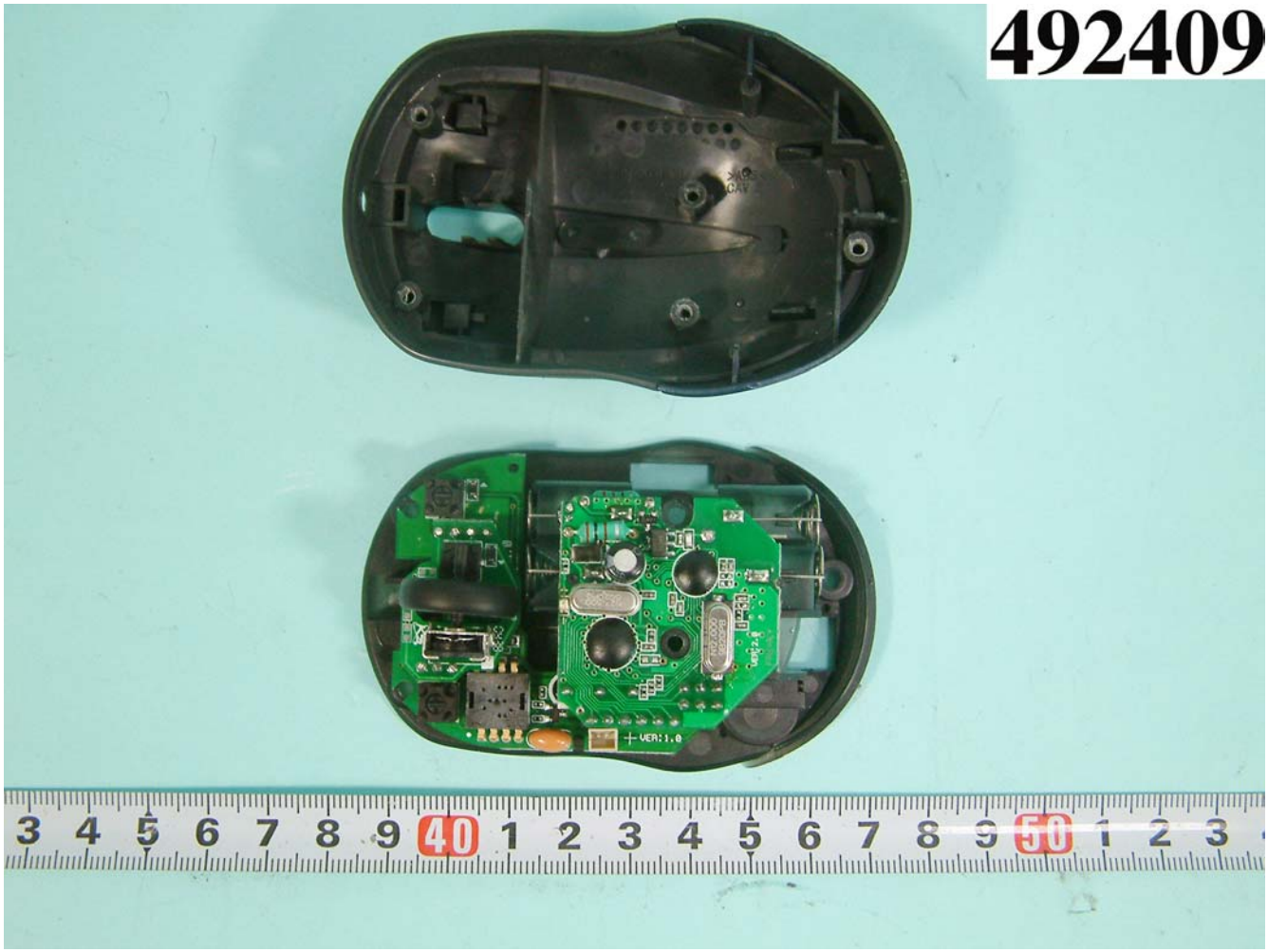
492409
7 8 9 40 1 2 3 4 5 6 7 8 9 50



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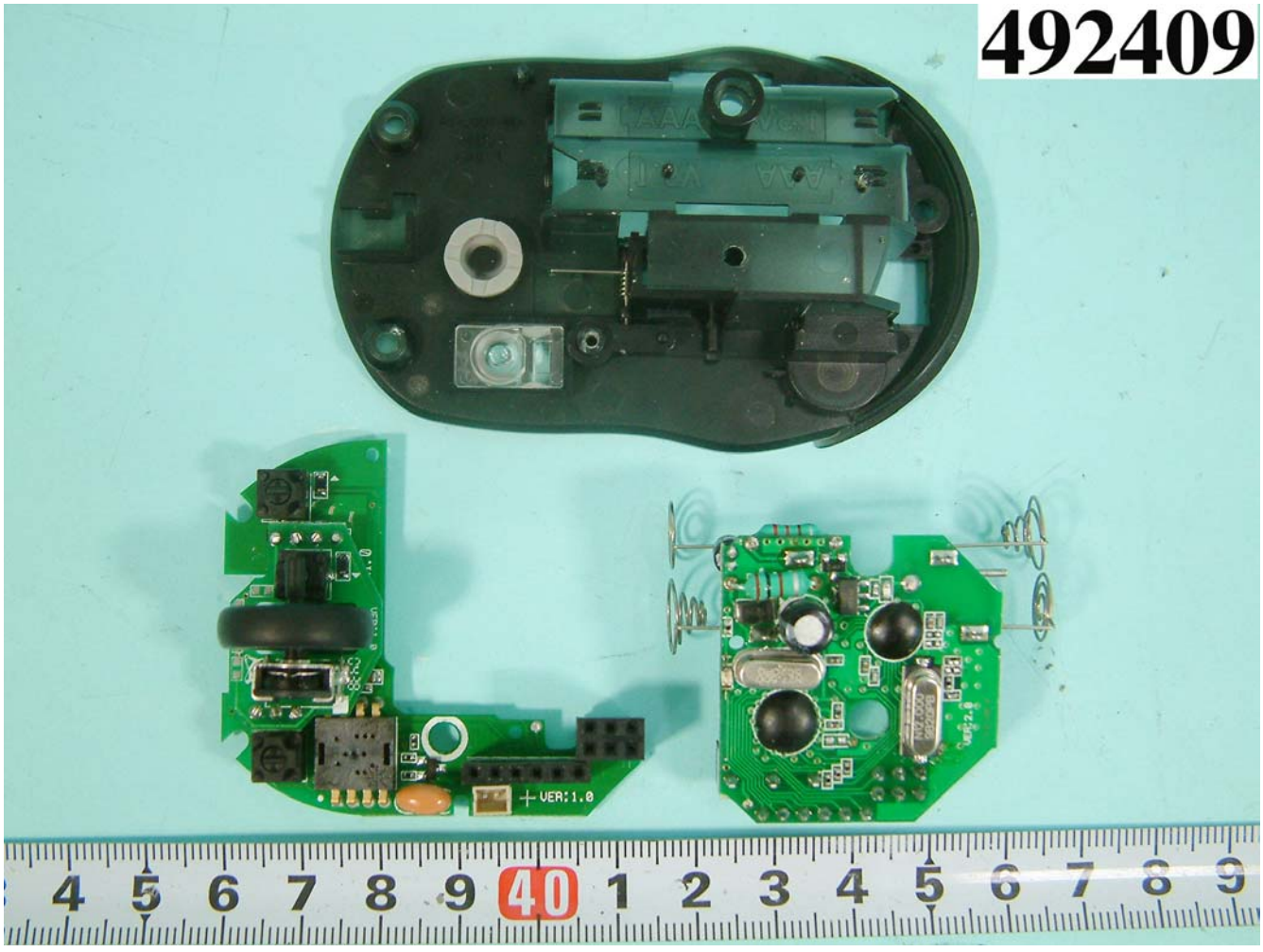

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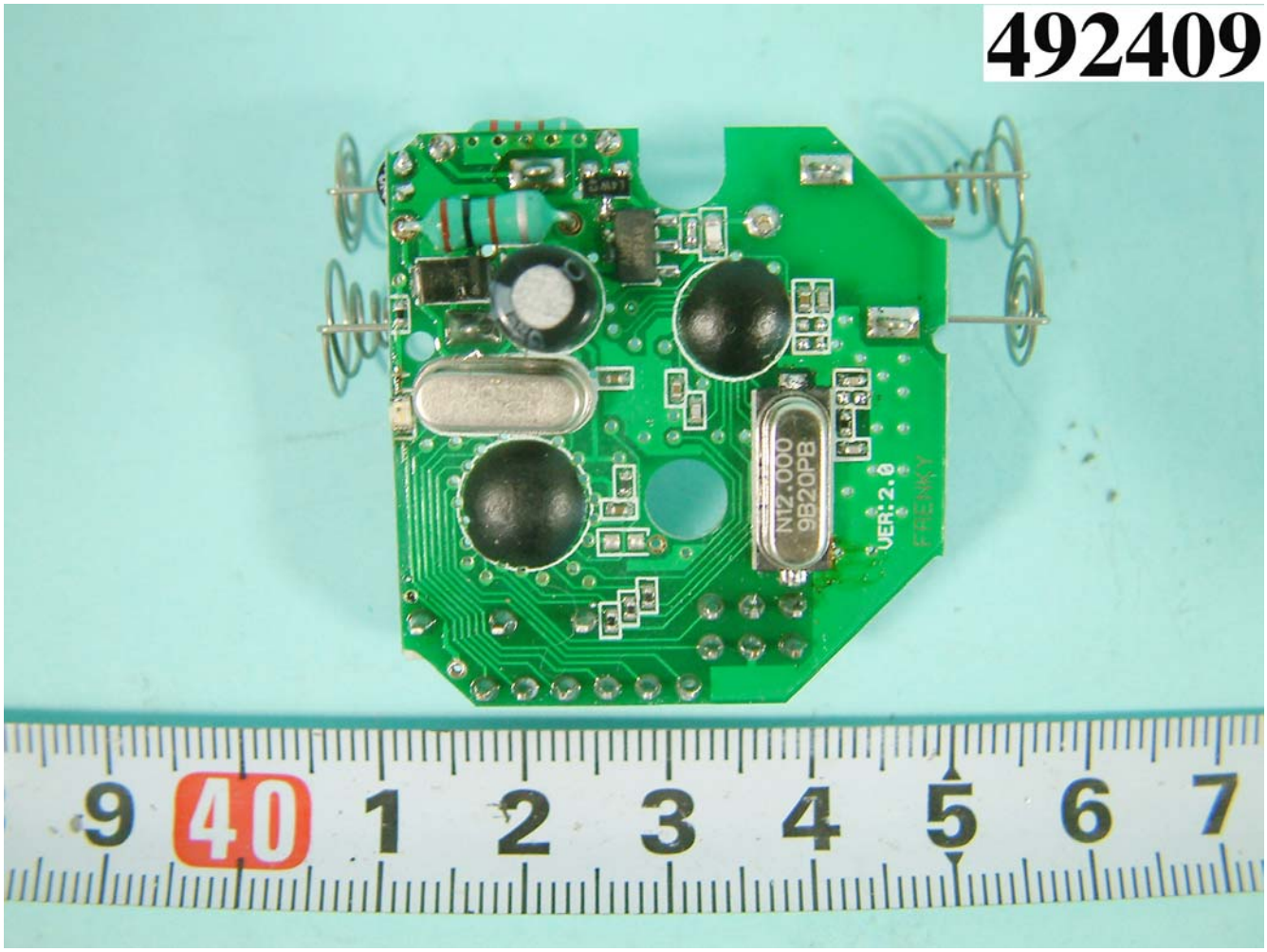
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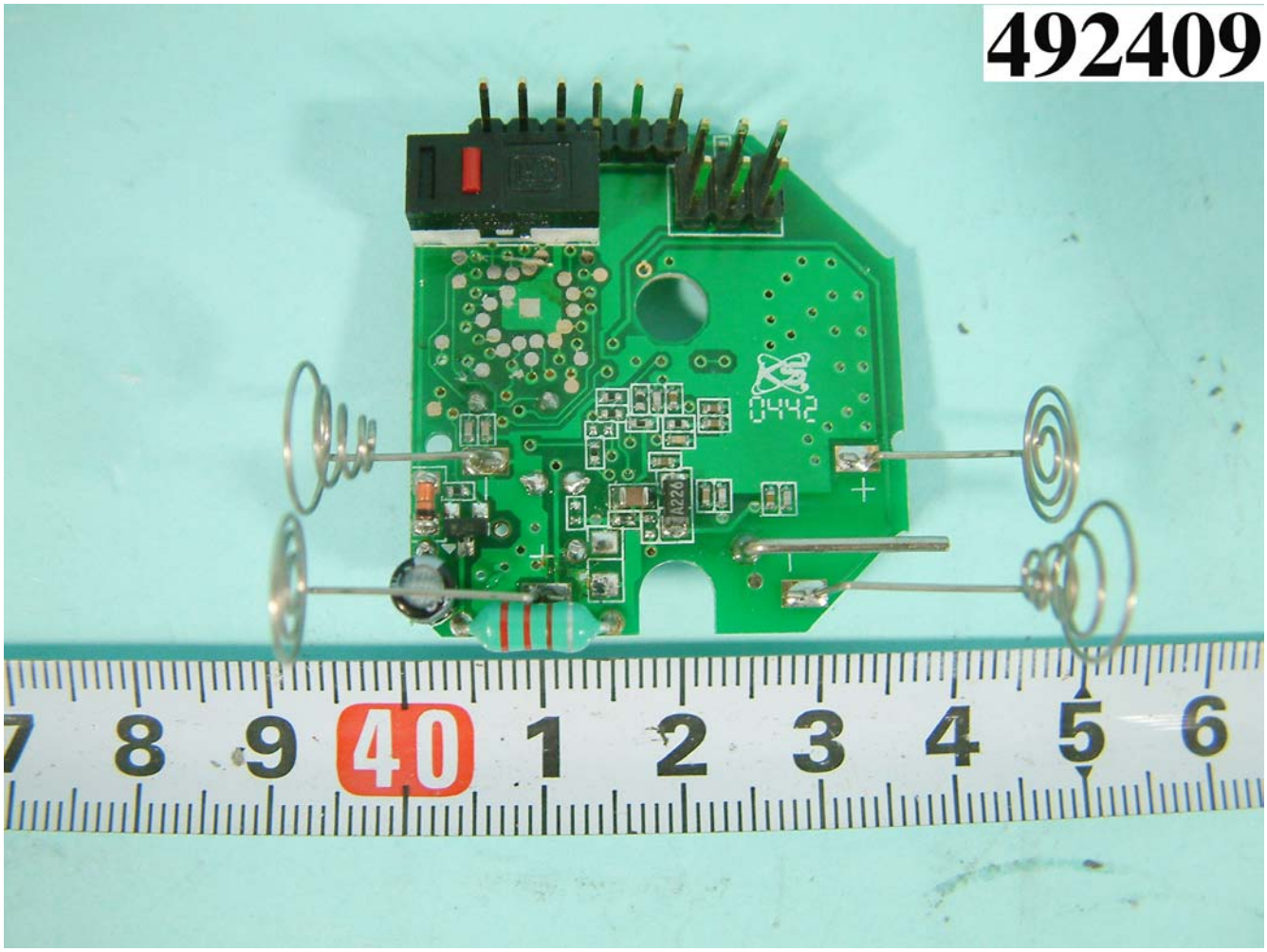
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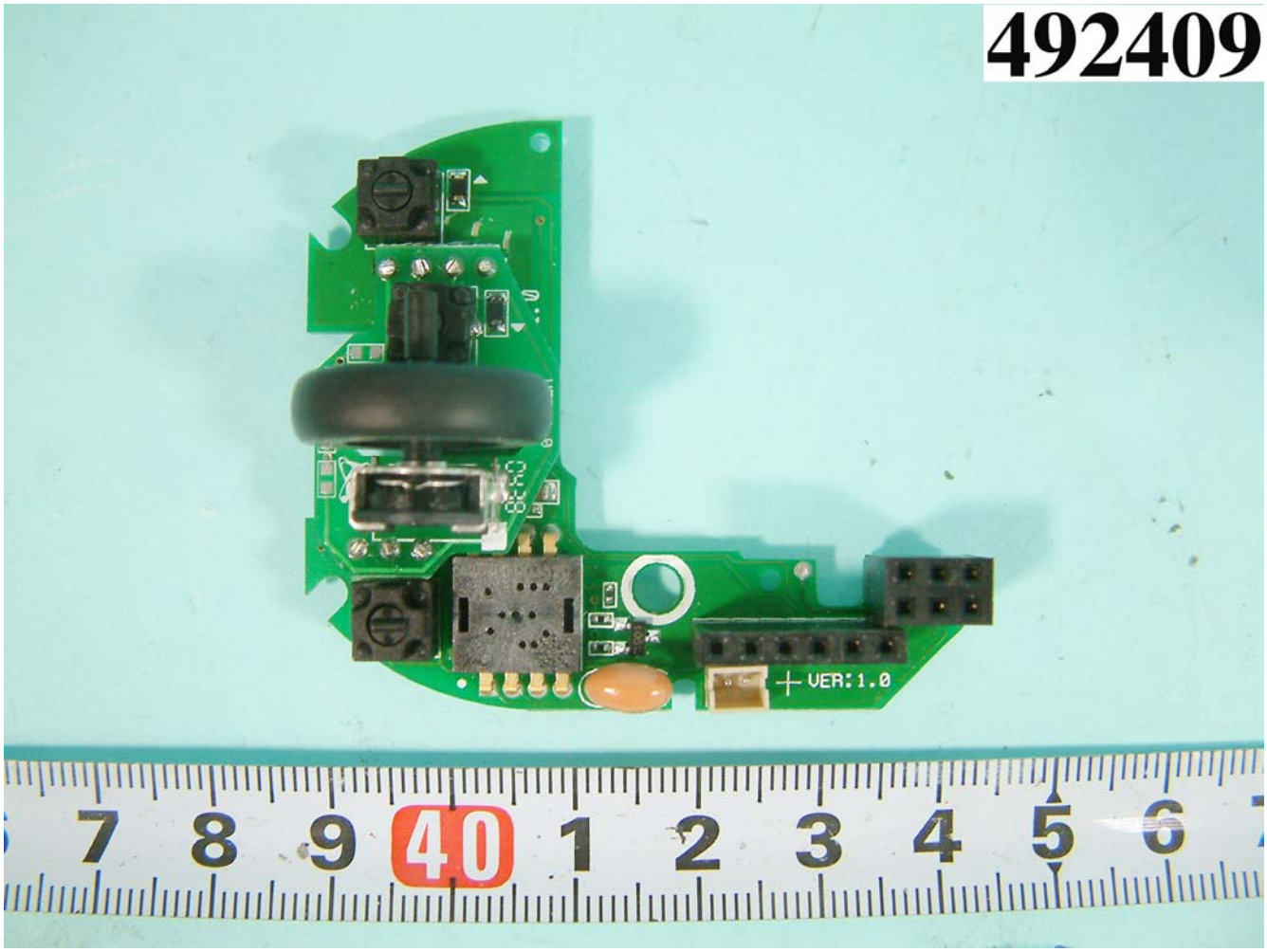
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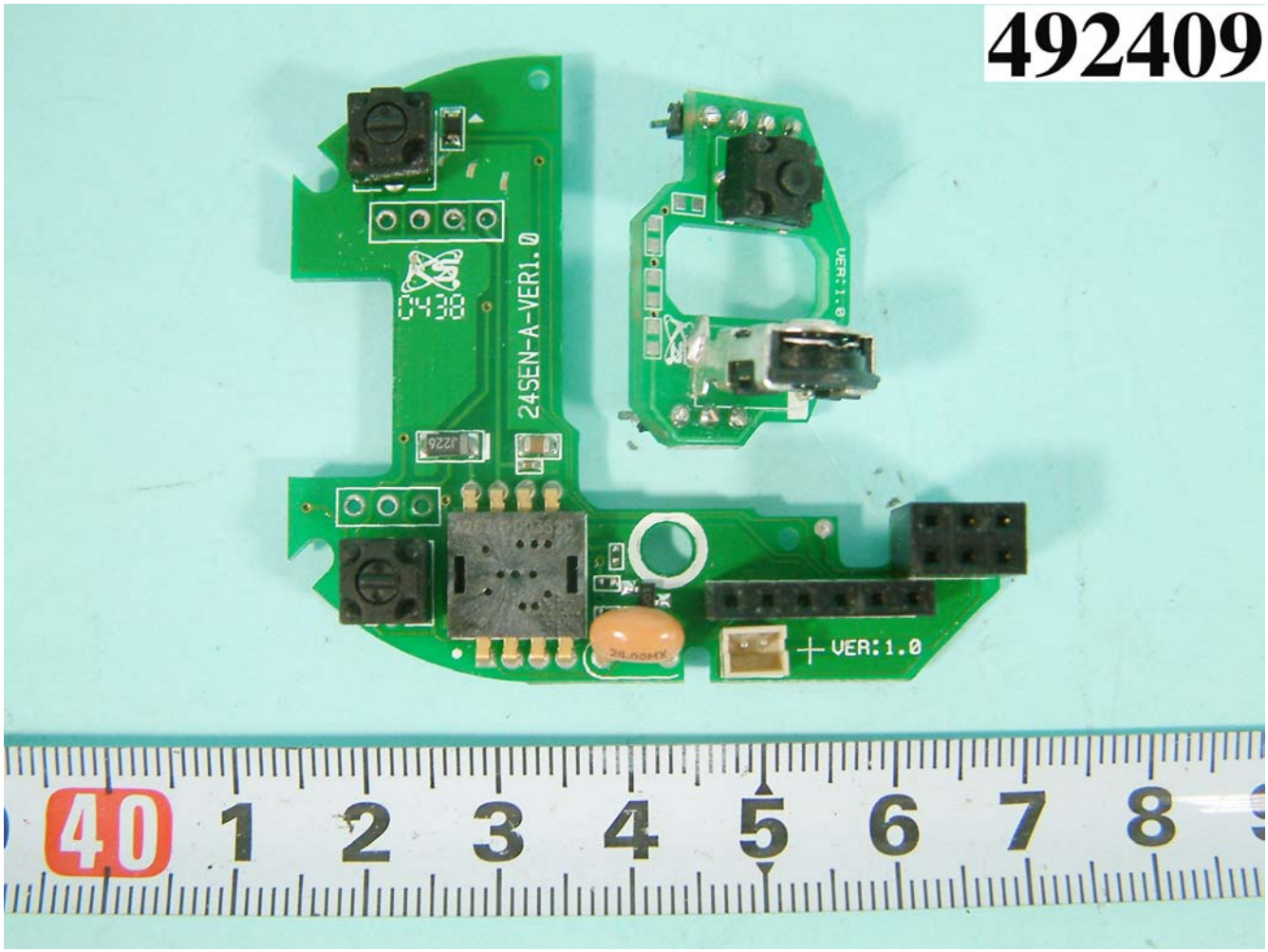

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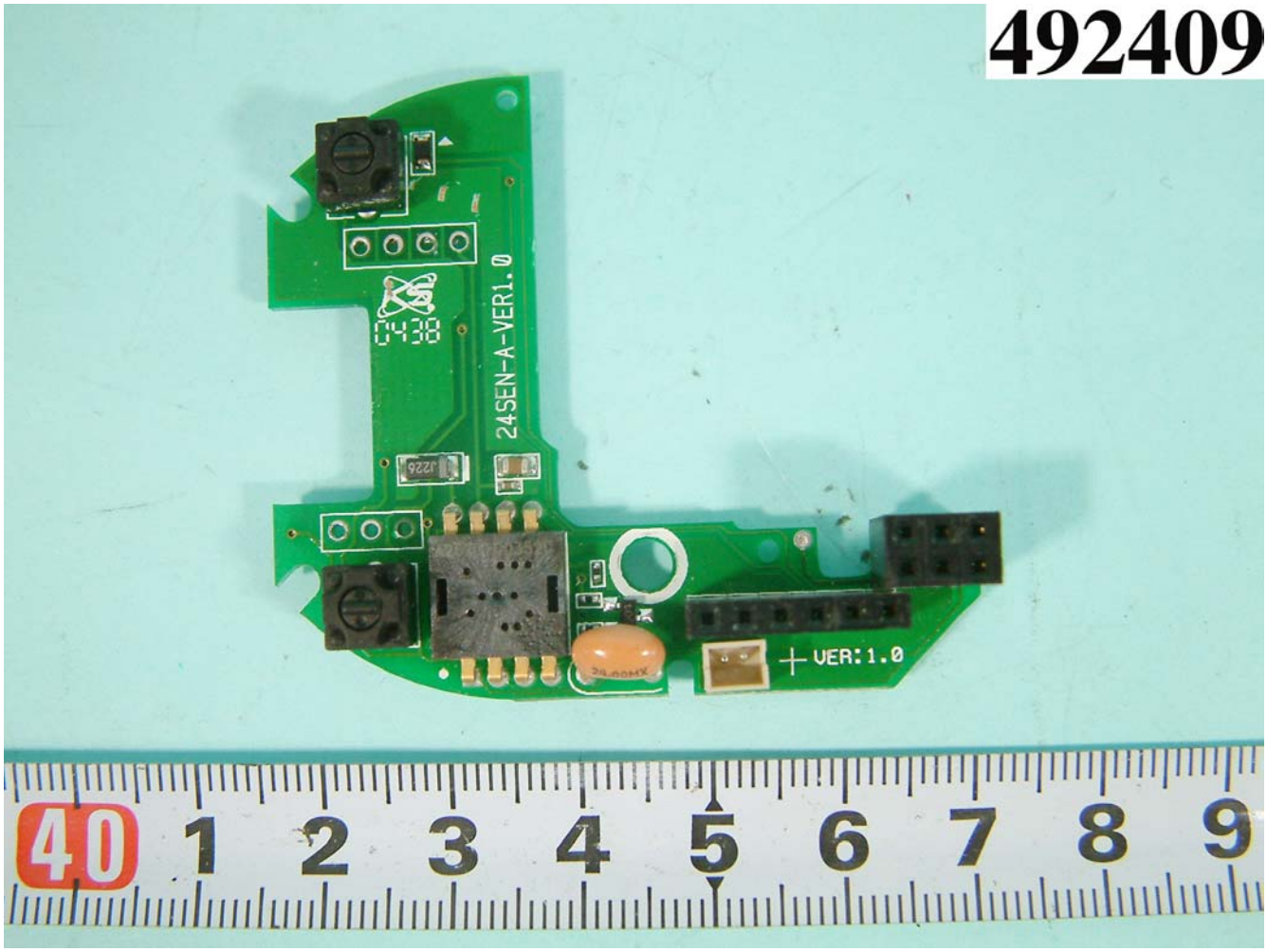

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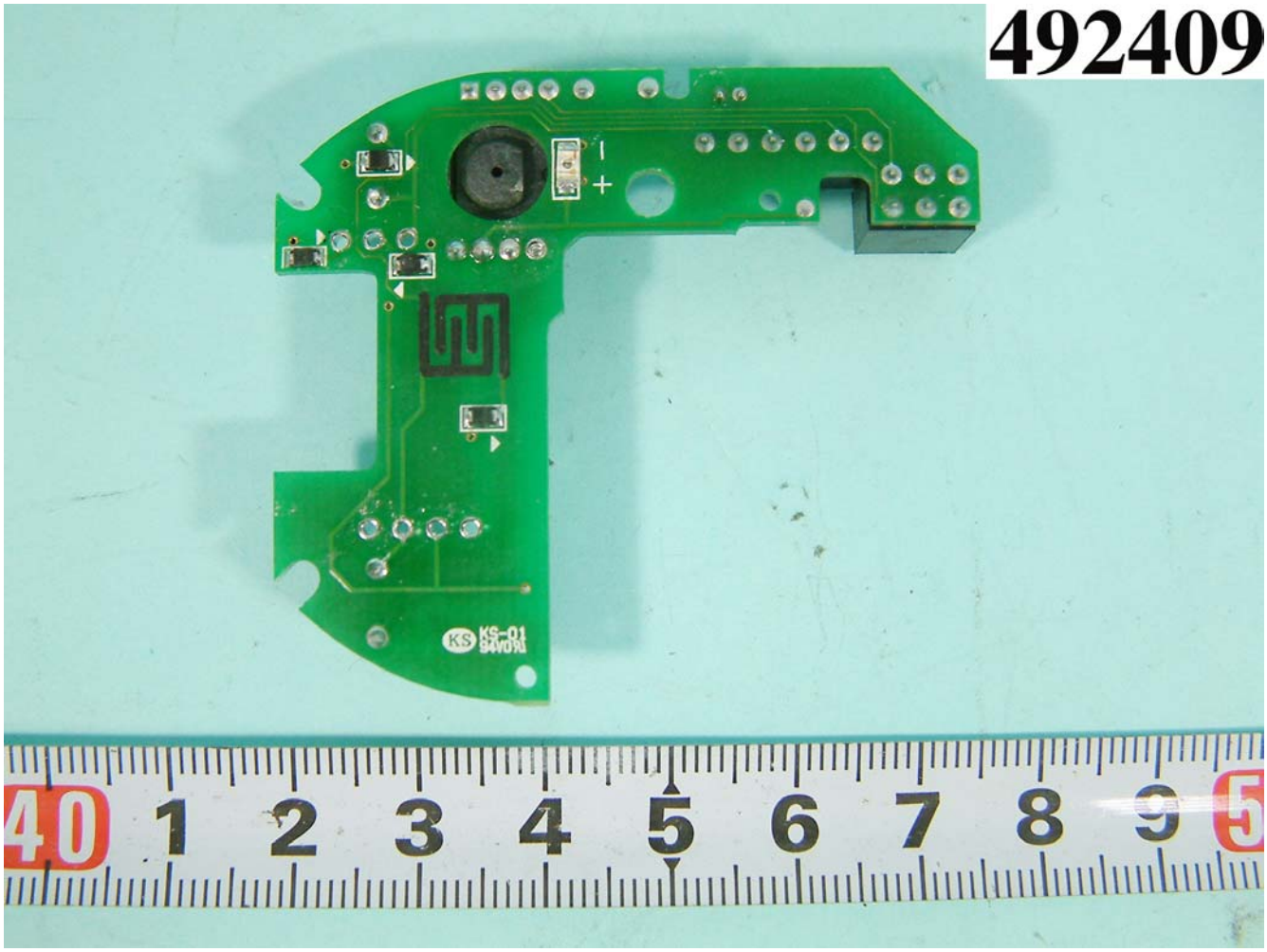
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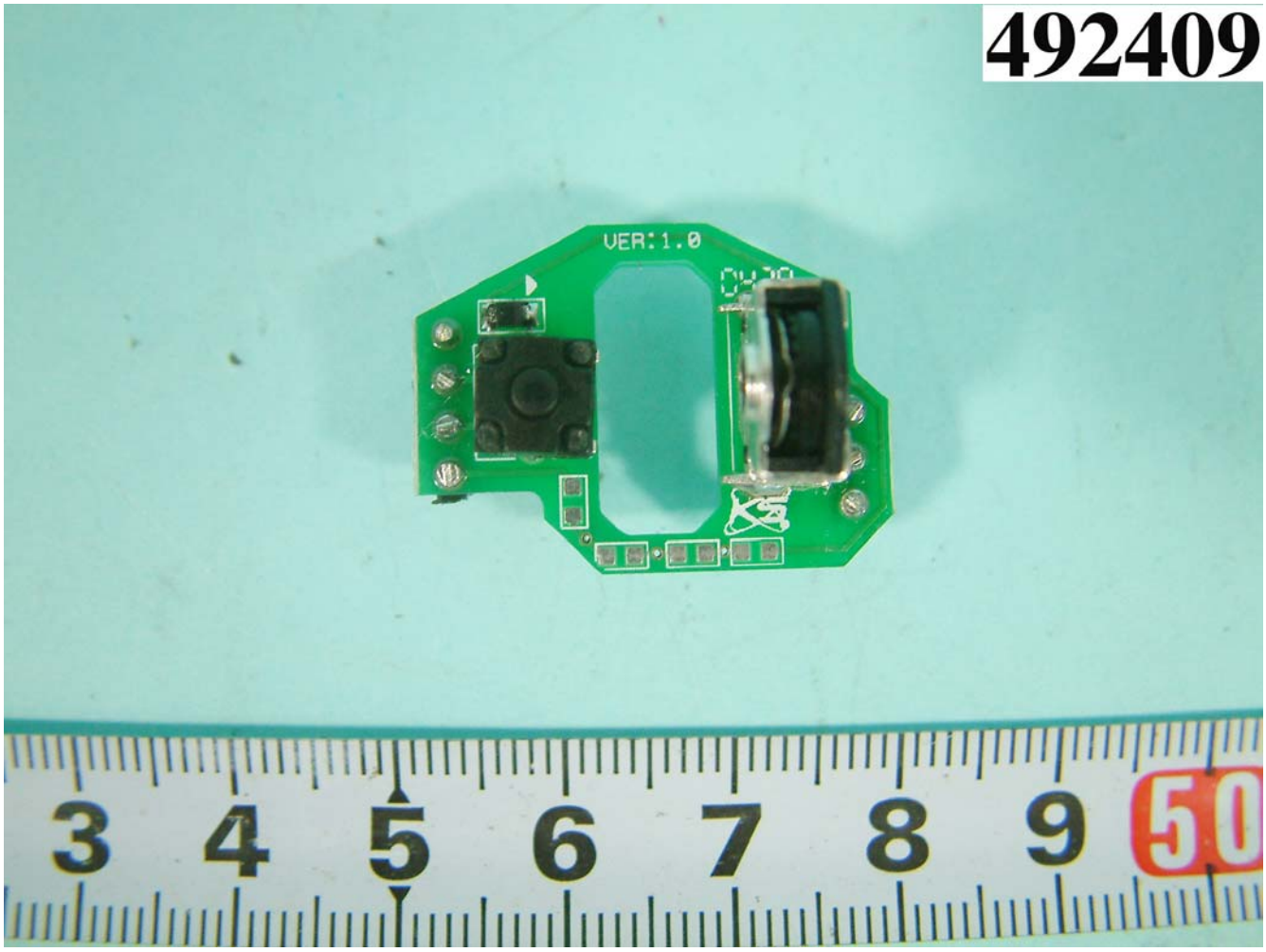

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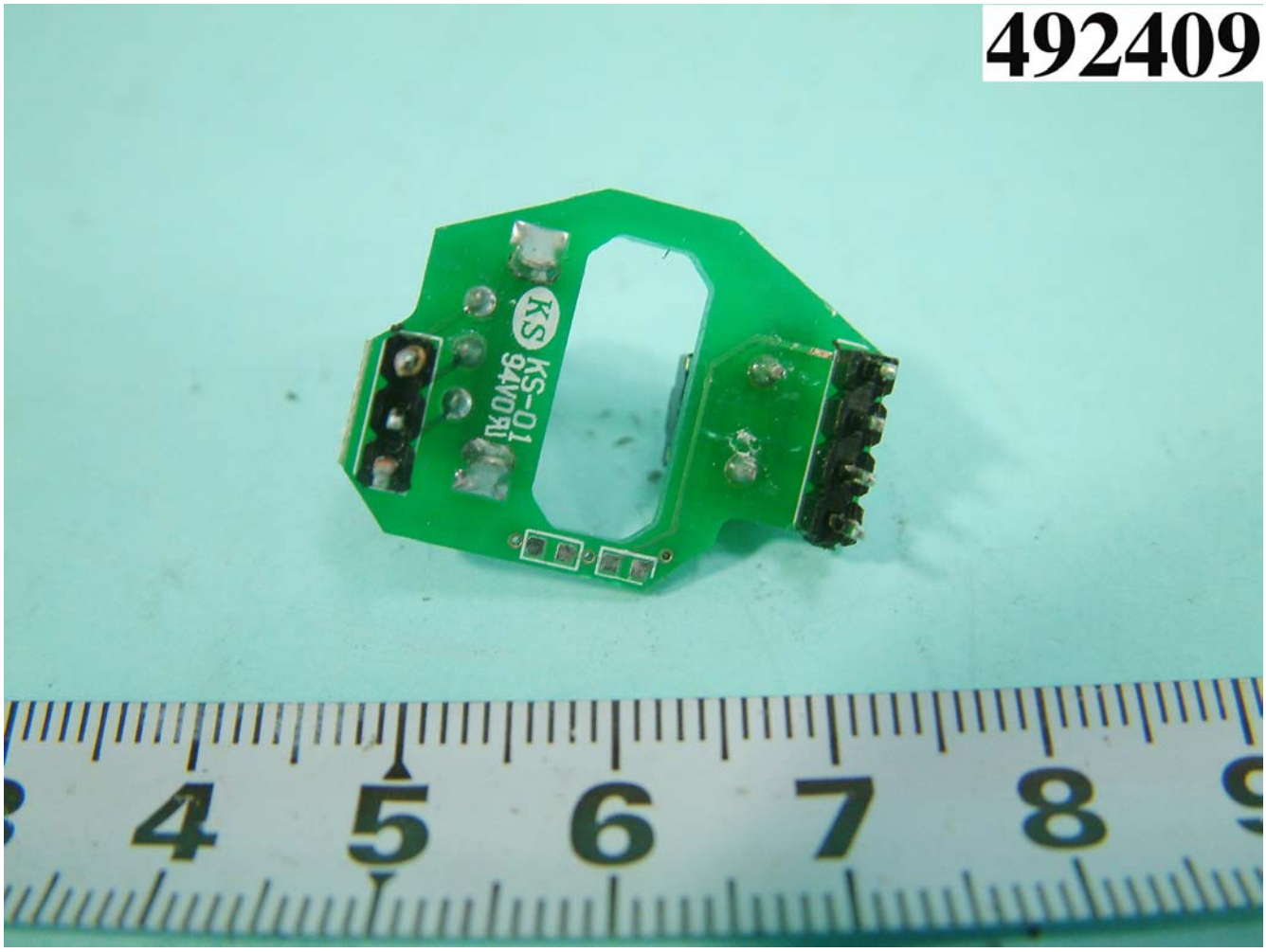

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