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ELECTROMAGNETIC EMISSION COMPLIANCE REPORT

Intouch Care Spider

MODEL: IT300 FCC ID: ST2-IT300

July 24, 2007

| This report concerns (check one): Original grant x Class II change Equipment type: Low Power Intentional Radiator | | | | | | |
|--|--|--|--|--|--|--|
| Company agrees to notify the Comm | es, defer until: (date) | | | | | |
| Transition Rules Request per 15.37? If no, assumed Part 15, Subpart B for unintentional radiators - the new 47 CFR [10-1-90 Edition] provision. | | | | | | |
| Report prepared for: Report prepared by: Report number: | REMOTE PLAY, INC. Advanced Compliance Lab 0048-070710-02 | | | | | |



Lab Code: 200101 The test result in this report IS supported and covered by the NVLAP accreditation

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FCC ID: ST2-IT300

Date: July 24, 2007

1. GENERAL INFORMATION

1.1 Verification of Compliance

EUT: INTOUCH CARE SPIDER

Model: IT300

Applicant: REMOTE PLAY, INC.

Test Type: FCC Part 15C CERTIFICATION

Result: PASS

Tested by: ADVANCED COMPLIANCE LABORATORY

Test Date: July 11-20, 2007

Report Number: 0048-070710-02

The above equipment was tested by Compliance Laboratory, Advanced Technologies, Inc. for compliance with the requirement set forth in the FCC rules and regulations Part 15 subpart C. This said equipment in the configuration described in the report, shows the maximum emission levels emanating from equipment are within the compliance requirements.

The estimated uncertainty of the test result is given as following. The method of uncertainty calculation is provided in Advanced Compliance Lab. Doc. No. 0048-01-01.

| | Prob. Dist. | Uncertainty(dB) | Uncertainty(dB) | Uncertainty(dB) |
|---------------------------------|-------------|-----------------|-----------------|-----------------|
| | | 30-1000MHz | 1-6.5GHz | Conducted |
| Combined Std. Uncertainty u_c | norm. | ±2.36 | ±2.99 | ±1.83 |

Wei Li

Lab Manager

Advanced Compliance Lab

| 1.2 Equipm | nt Modifications |
|------------|------------------|
|------------|------------------|

N/A

1.3 Product Information

System Configuration

| ITEM | DESCRIPTION | FCC ID | CABLE |
|-----------------|-------------------------------|--------------|-------|
| Product | Intouch Care Spider IT300 (1) | ST2-IT300 | |
| Housing | PLASTICS | | |
| Power Supply | 9V DC Battery | | |
| Operation Freq. | 904MHz ~ 926MHz | | |
| Receiver | IT300(RX) | Verification | |

(1) EUT submitted for grant.

1.4 Test Methodology

Radiated tests were performed according to the procedures in ANSI C63.4-2003 at an antenna to EUT distance of 3 meters.

1.5 Test Facility

The open area test site and conducted measurement facility used to collect the radiated and conducted data are located at Hillsborough, New Jersey. This site has been accepted by FCC to perform measurements under Part 15 or 18 in a letter dated May 19, 1997 (Refer to: 31040/PRV 1300F2). The NVLAP Lab code for accreditation of FCC EMC Test Method is: 200101-0.

1.6 Test Equipment

| Manufacture | Model | Serial No. | Description | Last Cal dd/mm/y y | Cal Due dd/mm/y y |
|-----------------|---------|------------|---------------------------------------|--------------------------|----------------------------|
| Hewlett-Packard | HP8546A | 3625A00341 | EMI Receiver | 12/01/07 | 12/01/08 |
| EMCO | 3115 | 4945 | Double Ridge Guide Horn Antenna | 12/02/07 | 12/02/08 |
| EMCO | 3104C | 9307-4396 | 20-300MHz Biconical Antenna | 09/02/07 | 09/02/08 |
| EMCO | 3146 | 9008-2860 | 200-1000MHz Log-Periodic Antenna | 11/08/06 | 11/08/07 |
| Fischer Custom | LISN-2 | 900-4-0008 | Line Impedance Stabilization Networks | 23/08/06 | 23/08/07 |
| Fischer Custom | LISN-2 | 900-4-0009 | Line Impedance Stabilization Networks | 23/08/06 | 23/08/07 |

All Test Equipment Used are Calibrated Traceable to NIST Standards.

1.7 Statement for the Document Use

This report shall not be reproduced except in full, without the written approval of the laboratory. And this report must not be used by the client to claim product endorsement by NVLAP or any agency of the U.S. Government.

2. PRODUCT LABELING

FCC ID: ST2-IT300

This device complies with part 15 of the FCC Rules. Operating is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Figure 2.1 FCC ID Label (Only FCC ID shown on EUT)

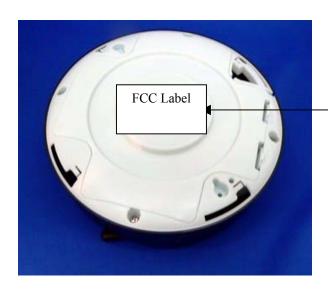


Figure 2.2 FCC Label Location

FCC ID: ST2-IT300

3. SYSTEM TEST CONFIGURATION

3.1 Justification

The system was configured for testing in a typical fashion (as a customer would normally use it). And its antenna was permanently attached to the EUT with max length, 7.5".

Testing was performed as EUT was continuously operated at the following frequency channels: Low=904MHz, Middle= 914MHz, High=926MHz.

Fresh external battery was used for extended operating time.

3.2 Special Accessories

N/A

3.3 Configuration of Tested System

Figure 3.1 illustrates this system, which is tested standing along.

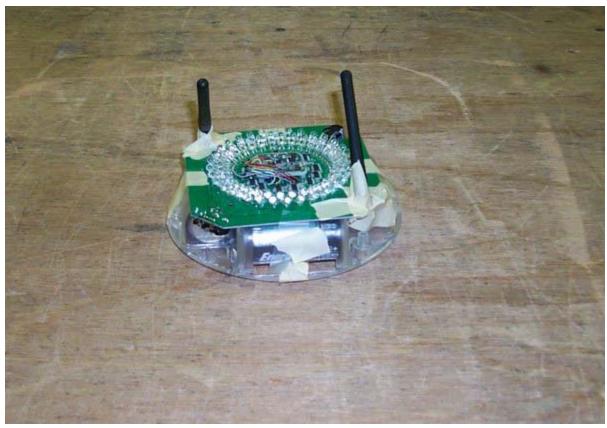


Figure 3.1 Radiated Test Setup

4. SYSTEM SCHEMATICS

See Attachment.

Figure 4.1 System Schematics

FCC ID: ST2-IT300

5. RADIATED EMISSION DATA

5.1 Field Strength Calculation

The corrected field strength is automatically calculated by EMI Receiver using following:

$$FS = RA + AF + CF + AG$$

where FS: Corrected Field Strength in dBuV/m

RA: Amplitude of EMI Receiver before correction in dBµV

AF: Antenna Factor in dB/m

CF: Cable Attenuation Factor in dB

AG: Built-in Preamplifier Gain in dB (Stored in receiver as part of the calibration data)

THE "DUTY CYCLE CORRECTION FACTOR" FOR SPURIOUS RADIATED EMISSIONS IS; 20 log * (4 ms / 100 ms) = -28 dB, WHICH WAS USED TO CORRECT THE AVERAGE RADIATED EMISSION READINGS.

5.2 Test Methods and Conditions

The initial step in collecting radiated data is a EMI Receiver scan of the measurement range below 30MHz using peak detector and 9KHz IF bandwidth / 30KHz video bandwidth. For the range 30MHz - 1GHz, 120KHz IF bandwidth / 120KHz video bandwidth are used. Both bandwidths are 1MHz for above 1GHz measurement. Up to 10th harmonics were investigated.

5.3 Test Data

The following data lists the significant emission frequencies, polarity and position, peak reading of the EMI Receiver, the FCC limit, and the difference between the peak reading and the limit. Explanation of the correction and calculation are given in section 5.1.

Test Personnel: I find

Typed/Printed Name: Edward Lee Date: July 24, 2007

Radiated Test Data (CH-904MHz/914MHz/926MHz)

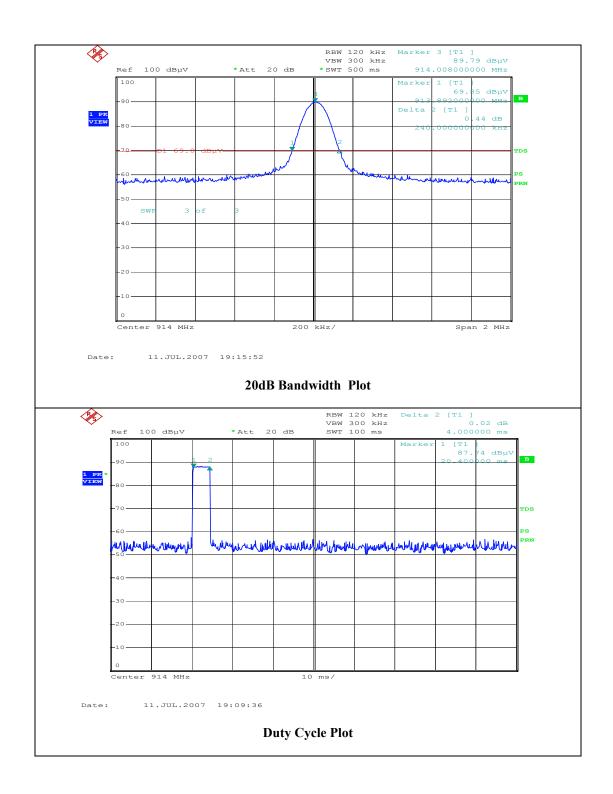
| Frequency | Polarity | Antenna | Azimuth | Peak Reading | After | FCC 3m | Difference |
|-----------|----------|---------|----------|-----------------|------------|-----------|------------|
| | | Height | | at 3m(2) | Correction | Limit (1) | |
| (MHz) | (H or V) | (m) | (Degree) | (dBuV/m) | (dBuV/m) | (dBuV/m) | (dBuV/m) |
| 904 | V | 1.6 | 60 | 91.1 | | 94 | -2.9 |
| 1808 | V | 1.2 | 210 | 54.6 | 26.6 | 54 | -27.4 |
| 2712 | V | 1.2 | 270 | 63.6 | 35.6 | 54 | -18.4 |
| 3616 | V | 1.2 | 320 | 58.9 | 30.9 | 54 | -23.1 |
| 904 | Н | 1.4 | 0 | 82 | | 94 | -12 |
| 1808 | Н | 1.2 | 90 | 50.6 | 22.6 | 54 | -31.4 |
| 2712 | Н | 1.2 | 70 | 62.6 | 34.6 | 54 | -19.4 |
| 3616 | Н | 1.2 | 70 | 59.3 | 31.3 | 54 | -22.7 |
| | | | | | | | |
| 914 | V | 1.1 | 60 | 91 | | 94 | -3 |
| 1828 | V | 1.2 | 140 | 54.6 | 26.6 | 54 | -27.4 |
| 2742 | V | 1.2 | 150 | 65.9 | 37.9 | 54 | -16.1 |
| 3656 | V | 1.2 | 180 | 56.6 | 28.6 | 54 | -25.4 |
| 914 | Н | 1.3 | 90 | 90.6 | | 94 | -3.4 |
| 1828 | Н | 1.2 | 90 | 52.3 | 24.3 | 54 | -29.7 |
| 2742 | Н | 1.2 | 70 | 58.4 | 30.4 | 54 | -23.6 |
| 3656 | Н | 1.2 | 70 | 55.9 | 27.9 | 54 | -26.1 |
| | | | | | | | |
| 926 | V | 1.1 | 60 | 93.1 | | 94 | -0.9 |
| 1852 | V | 1.2 | 230 | 52.7 | 24.7 | 54 | -29.3 |
| 2778 | V | 1.2 | 260 | 65.6 | 37.6 | 54 | -16.4 |
| 3704 | V | 1.2 | 330 | 55.3 | 27.3 | 54 | -26.7 |
| 926 | Н | 1.1 | 90 | 92.4 | | 94 | -1.6 |
| 1852 | Н | 1.2 | 135 | 55.3 | 27.3 | 54 | -26.7 |
| 2778 | Н | 1.2 | 50 | 59.7 | 31.7 | 54 | -22.3 |
| 3704 | Н | 1.2 | 330 | 54.1 | 26.1 | 54 | -27.9 |

⁽¹⁾ The limit for emissions within the 902-928MHz band is 50mV(94dB) per Sec. 15.249. The limit for its harmonics is 500uV (54dB). Other spurious emissions shall be lower than either its fundamental by 50dB or the limit defined in Sec. 15.209, whichever is higher.

Other Spurious outside of the band 902-928MHz

No other significant spurious emissions were founded for outside of the band 902-928MHz. i.e. Comparing to the limit defined in Sec. 15.209, emissions below the limit by 20dB were not recorded.

⁽²⁾ If each peak reading is less than the FCC average limit, it'll be not necessary to show the measured/ calculated average reading.



6. EUT RECEIVING MODE VERIFICATION

Radiated Test Data for Receiving Mode

| Frequency | | | • | Peak Reading | FCC 3m | Difference |
|-----------|----------|--------|----------|-----------------|----------|------------|
| | | Height | | at 3m(2) | Limit(1) | |
| (MHz) | (H or V) | (m) | (Degree) | (dBuV/m) | (dBuV/m) | (dBuV/m) |
| 52 | V | 1.2 | 0 | 32.1 | 40 | -7.9 |
| 52 | Н | 1.2 | 330 | 27.7 | 40 | -12.3 |
| 104 | V | 1.2 | 0 | 22.5 | 43.5 | -21 |
| 104 | Н | 1.3 | 340 | 25.8 | 43.5 | -17.7 |
| 182 | V | 1.2 | 0 | 40.7 | 43.5 | -2.8 |
| 182 | Н | 1.4 | 10 | 35 | 43.5 | -8.5 |
| 208 | V | 1.2 | 0 | 22.8 | 43.5 | -20.7 |
| 208 | Н | 1.2 | 0 | 21.4 | 43.5 | -22.1 |
| 416 | V | 1.2 | 0 | 22.2 | 46 | -23.8 |
| 416 | Н | 1.2 | 30 | 28.2 | 46 | -17.8 |
| 520 | V | 1.2 | 0 | 25.5 | 46 | -20.5 |
| 520 | Н | 1.2 | 0 | 23.1 | 46 | -22.9 |
| 572 | V | 1.2 | 0 | 27.5 | 46 | -18.5 |
| 572 | Н | 1.2 | 0 | 23.7 | 46 | -22.3 |

⁽¹⁾ Receiving mode spurious emissions shall be lower than the limit defined in Sec. 15.209.

⁽²⁾ If each peak reading is less than the FCC average limit, it'll be not necessary to show the measured/ calculated average reading.