

FCC CERTIFICATION RADIO MEASUREMENT TECHNICAL REPORT

On Model Name: Toy R/C Plane

Model Number: FH-001B/FH-002B/FH-003B/FH-004B/
FH-005B/FH-006B/FH-007B/FH-008B/
FH-009B/FH-010B

Trademark: Flying Hobby

FCC ID: TS3-FHPRC-66666B

Prepared for Flying Hobby Co., Ltd.

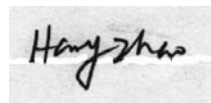
According to FCC Part 15 (2004), Subpart C

Test Report #: FLY-0511-0095SH-FCC

Prepared by: Chris Huang

QC Manager: Harry Zhao

Test Report Released by:



Harry Zhao

2006, Jan 12th

Date

Test Location

Tests performed at EMC Compliance Management Group (China) in a Certified ANSI Semi-Anechoic Chamber and Shielded Room performed testing.

Tests performed at EMC Compliance Management Group (China) in a Certified ANSI Semi-Anechoic Chamber and Shielded Room performed testing.

Test Site Location: *Jiangsu Electronic Products
Supervision & Inspection Institute
No 107 Ge lane ZhongQiao
WuXi JiangSu, China*

Tel: *86-510-5140037*

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Registration Number: *399439*

Accreditation Bodies

EMC Compliance Management Group is a fully accredited Test Laboratory for ITE, ISM and Telecommunications Products.



In compliance with the site registration requirements of Section 2.948 of the FCC Rules to perform EMI measurements for the general public.



Accredited by the National Voluntary Laboratory Accreditation Program for the specific scope of accreditation under Lab Code # 200068-0.

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Administrative Data

Test Sample : Toy R/C Plane

Model Number : FH-001B/FH-002B/FH-003B/FH-004B/
FH-005B/FH-006B/FH-007B/FH-008B/
FH-009B/FH-010B

Models Tested : FH-001B

Trade Mark : Flying Hobby

Date Tested : 2006, January 5th

Applicant : Flying Hobby Co., Ltd.
Da Miao Cun, Zhang Ze, Songjiang, Shanghai
201608

Telephone : 86-21-57888210

Fax : 86-21-57888163

Manufacturer : Flying Hobby. Co., Ltd.

EUT Description

Flying Hobby Co., Ltd. Model number FH-001B (referred to as the EUT in this test report) is a Toy R/C Plane.

Type of Deriver

Model numbers of FH-001B, FH-002B, FH-003B, FH004B, FH-005B, FH-006B, FH-007B, FH008B, FH-009B, FH-010B, are the identical except the appearance of the receiver, see the difference below.

| | |
|----------------|---------------------------------------|
| <i>FH-001B</i> | <i>HIGH WING CESSNA 195 AIR PLANE</i> |
| <i>FH-002B</i> | <i>MICRO KITE PLANE</i> |
| <i>FH-003B</i> | <i>DORNIER 328 TWIN MOTOR PLANE</i> |
| <i>FH-004B</i> | <i>MICRO GLIDER (ALBATROSS)</i> |
| <i>FH-005B</i> | <i>DORNIER 27</i> |
| <i>FH-006B</i> | <i>MICRO PITTS</i> |
| <i>FH-007B</i> | <i>P-51</i> |
| <i>FH-008B</i> | <i>TYPHOON</i> |
| <i>FH-009B</i> | <i>P-38</i> |
| <i>FH-010B</i> | <i>MICRO INDOOR</i> |

Test Summary

The Electromagnetic Compatibility requirements on FH-001B for this test are stated below. All results listed in this report relate exclusively to this above-mentioned model as the Equipment Under Test. This report confers no approval or endorsement upon any other component, host or subsystem used in the test set-up.

| EMC Test Item | | | |
|--|---|---|------------------------------|
| <i>Reference FCC Part 15 (2004), Subpart C</i> | | | |
| Specification | Description | Test Results | Remark |
| <i>FCC Part 15.203</i> | <i>Antenna Requirement</i> | <i>Compliance</i> | <i>Attachment 1</i> |
| <i>FCC Part 15.205</i> | <i>Restricted Band of Operation</i> | <i>Compliance</i> | <i>Attachment 2</i> |
| <i>FCC Part 15.207</i> | <i>Conducted Limits</i> | <i>Test is not applicable, because EUT only employ battery power for operation.</i> | |
| <i>FCC Part 15.209</i> | <i>Radiated Emission Limits</i> | <i>Compliance</i> | <i>Refer to Attachment 4</i> |
| <i>FCC Part 15.235</i> | <i>Operation within the Band 49.82-49.90MHz</i> | -- | -- |
| <i>(a)</i> | <i>Field Strength within this band</i> | <i>Compliance</i> | <i>Attachment 3</i> |
| <i>(b)</i> | <i>Field Strength outside the band</i> | <i>Compliance</i> | <i>Attachment 4</i> |

Test Mode Justification

The test mode transmitting was done for testing.

This device complies with Part 15 of the FCC rules. Operation 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.

EUT Exercise Software

The device is not programmable and does not use software.

Equipment Modification

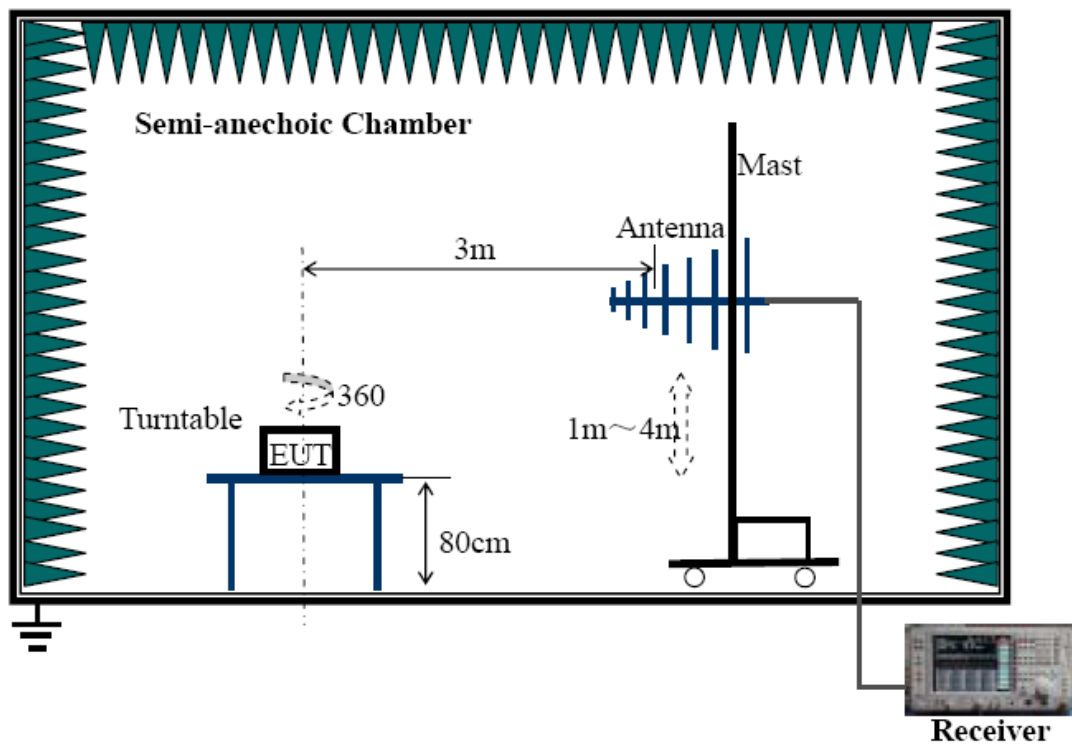
Any modifications installed previous to testing by Flying Hobby. Co., Ltd. will be incorporated in each production model sold or leased in United States.

There were no modifications installed by EMC Compliance Management Group (China) test personnel.

Test System Details

| EUT | |
|--------------------------|---|
| Model Number: | FH-001B/FH-002B/FH-003B/ FH-004B/FH-005B/ FH-006B/FH-007B/FH-008B /FH-009B/FH-010B |
| Model Tested: | FH-001B |
| Trademark:: | Flying Hobby |
| Serial Number: | Engineer Sample |
| Input Voltage: | 9.6V DC for transmitting device, 4.8V DC for receiving device |
| Description: | Toy R/C Plane |
| Support Equipment | |
| None | |
| Cable Description | |
| None | |

Configuration of Tested System



EUT Sample Photos



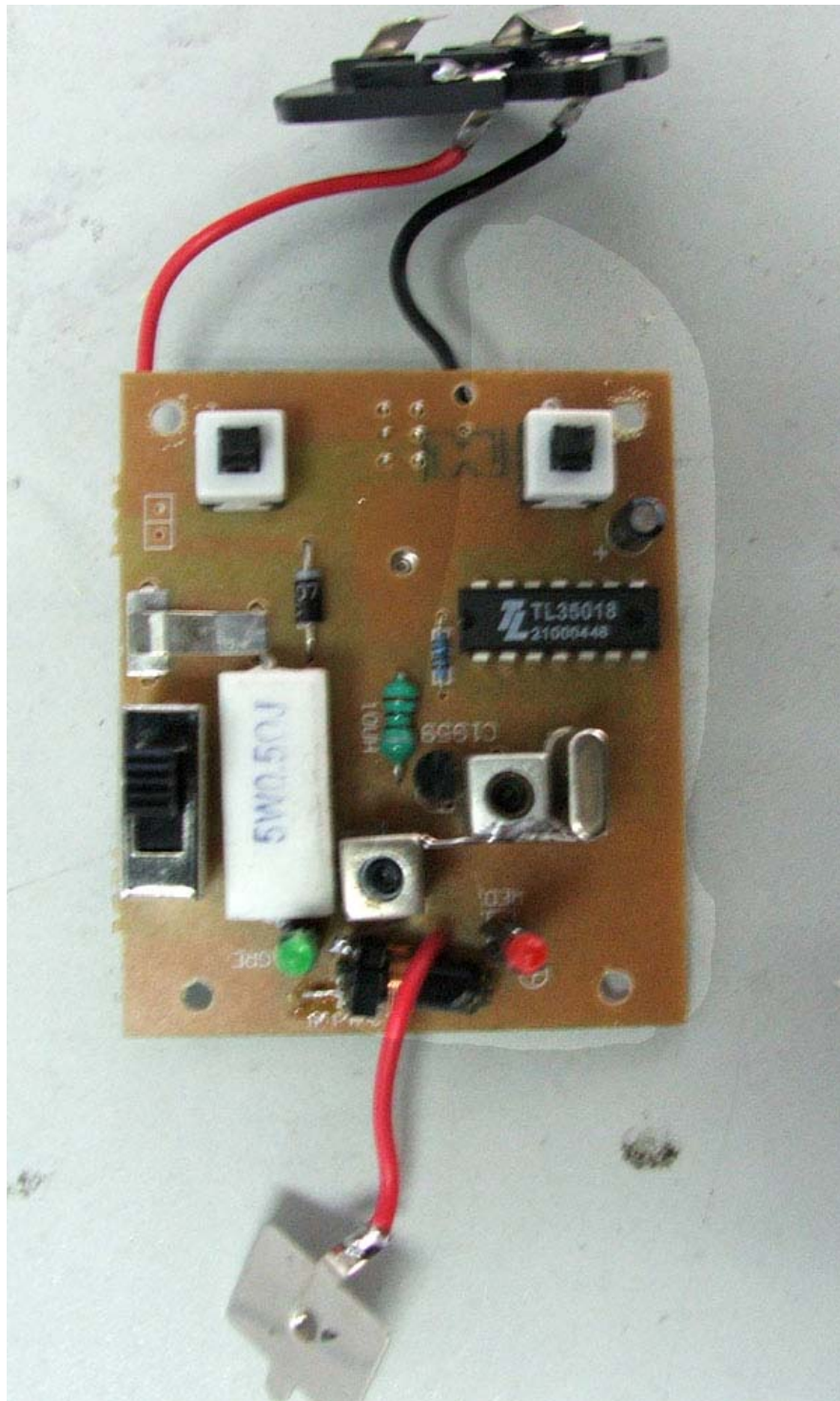
Transmitter – General View- Front



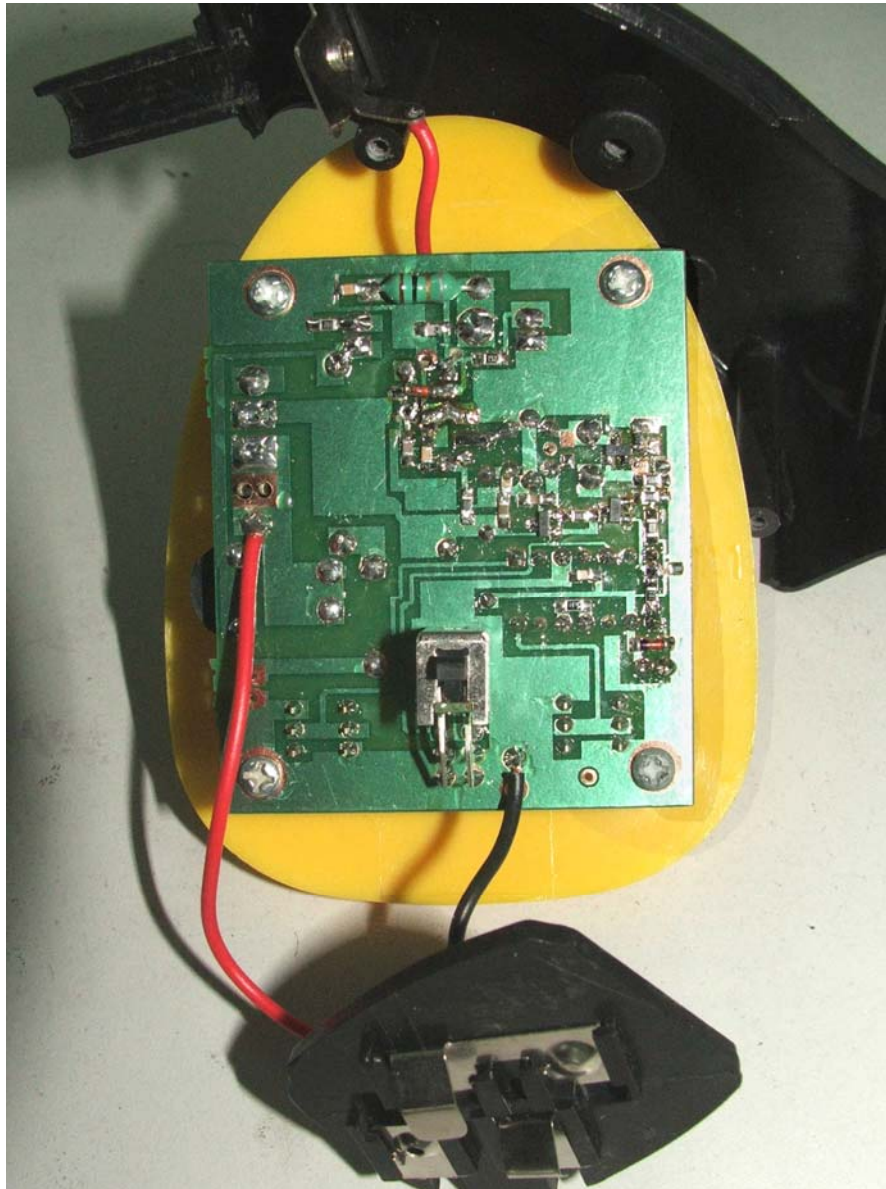
Transmitter – General View – Side



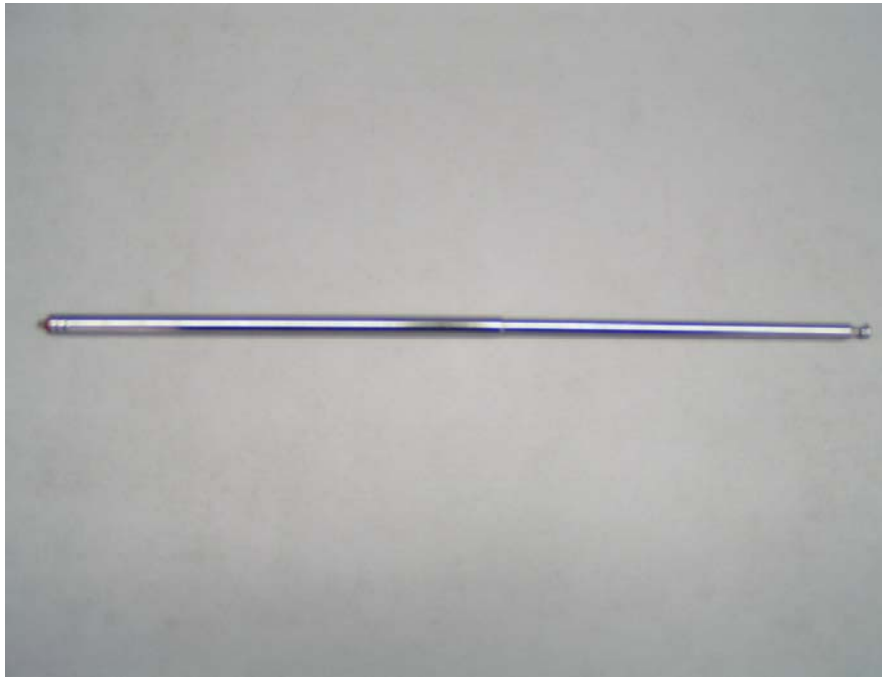
Transmitter - Uncovered



Transmitter - Main Board Component View



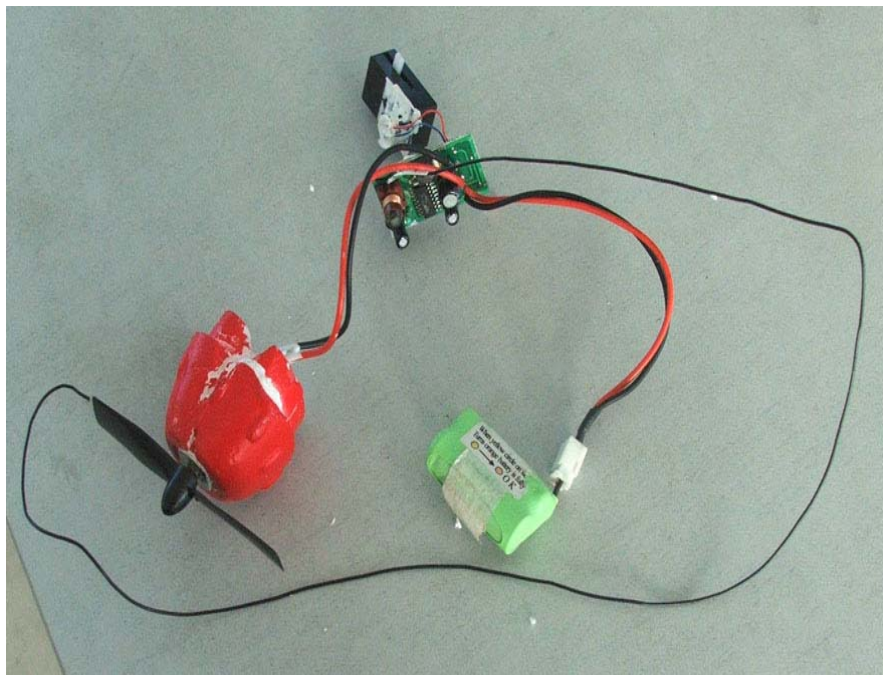
Transmitter - Main Board Soldered View



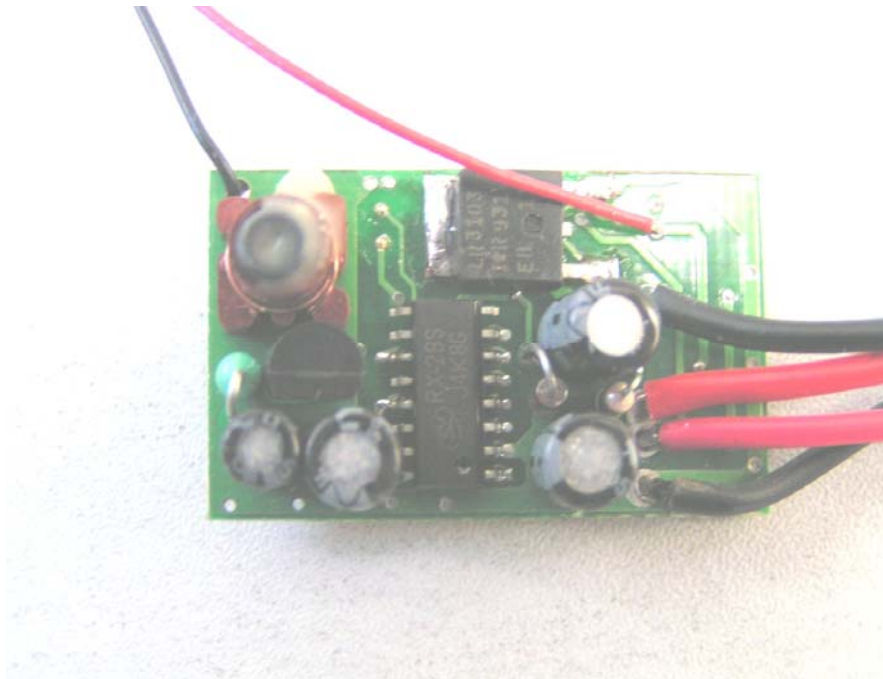
Dedicated Antenna



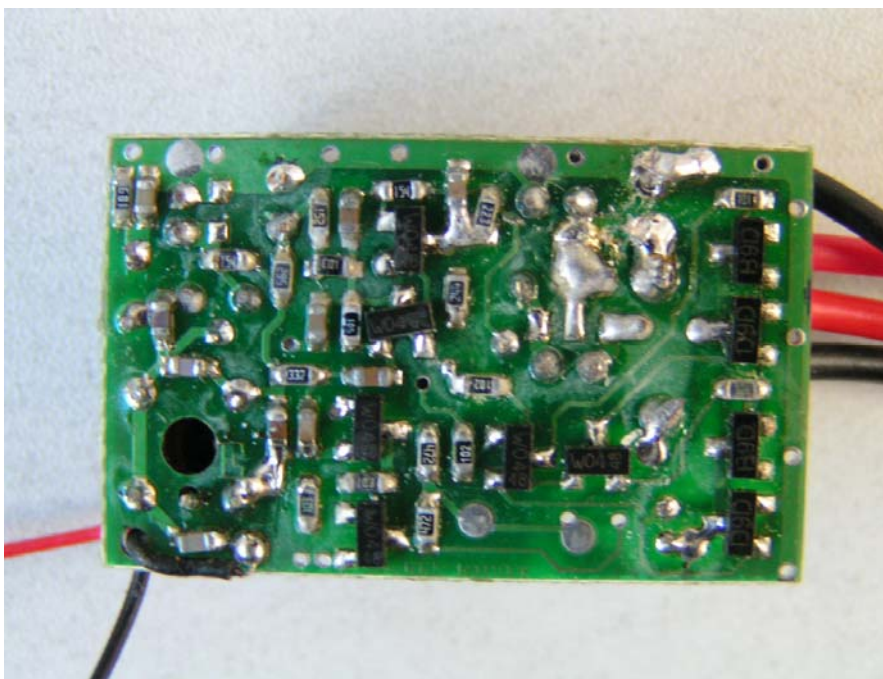
Receiver - Uncovered View



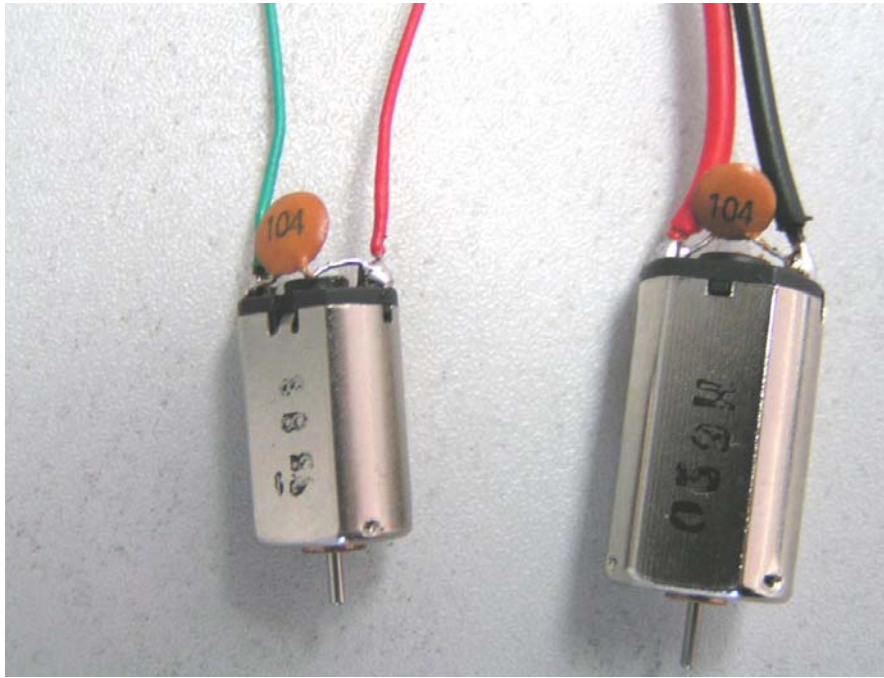
Receiver - Electrical Part View



Receiver - Main Board Component Side



Receiver - Main Board Soldered Side

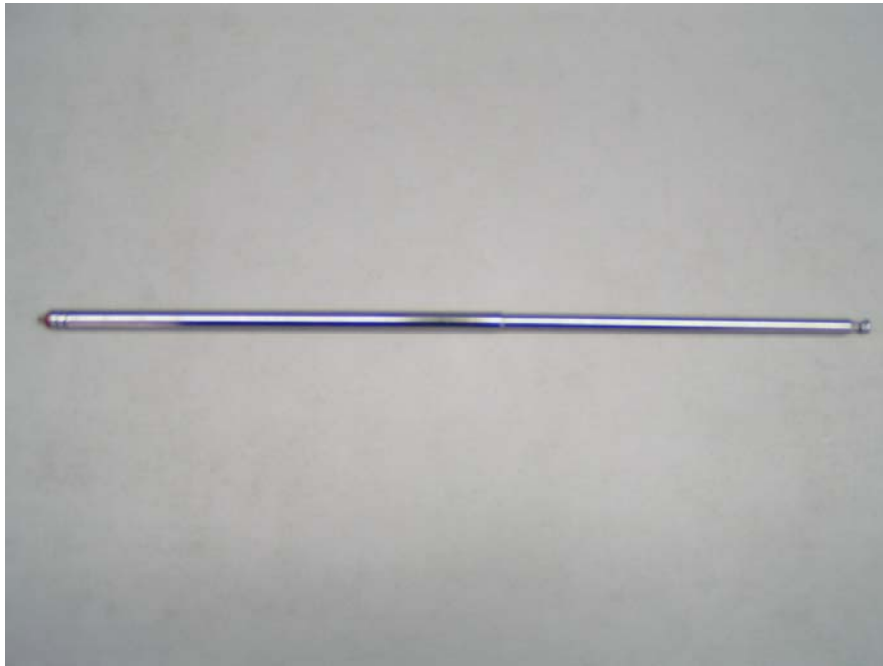


Receiver – Motor

ATTACHMENT 1 - ANTENNA REQUIREMENT

| | | | |
|----------------------------------|--|-------------------------|------------------------|
| CLIENT: | Flying Hobby. Co., Ltd. | TEST STANDARD: | FCC Part 15.203 (2004) |
| MODEL TESTED: | FH-001B | PRODUCT: | Toy R/C plane |
| SERIAL NO.: | Engineering Sample | EUT DESIGNATION: | RF Equipment |
| TEMPERATURE: | 25°C | HUMIDITY: | 55%RH |
| ATM PRESSURE: | 101.8 kPa | GROUNDING: | No Grounding |
| TESTED BY: | Shi Xiting | DATE OF TEST: | 2005, Dec 29 |
| SETUP METHOD: | N/A | | |
| ANTENNA REQUIREMENT: | An intentional radiator shall be designed to ensure that no antenna other than furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this Section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of Sections 15.211, 15.213, 15.217, 15.219, or 15.221. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with Section 15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this Part are not exceeded. | | |
| TEST VOLTAGE: | 9.6V DC (8*1.2V Ni-H Batteries) | | |
| TEST STATUS: | Normal Operation As Usual | | |
| RESULTS: | The EUT meets the Antenna requirement. The test results relate only to the equipment under test provided by client. | | |
| CHANGES OR MODIFICATIONS: | There were no modifications installed by EMC Compliance Management Group (China) test personnel. | | |
| M. UNCERTAINTY: | N/A | | |

| <i>FCC Section</i> | <i>FCC Rules</i> | <i>Conclusion</i> |
|---------------------------|--|---|
| 15.203 | <p><i>Described how the EUT complies with the requirement that either its antenna is permanently attached, or that it employs a unique antenna connector, for every antenna proposed for use with the EUT.</i></p> <p><i>The exception is in those cases where EUT must be professionally installed. In order to demonstrate that professional installation is required, the following 3 points must be addressed:</i></p> <ul style="list-style-type: none"> <i>● The application (or intended use) of the EUT</i> <i>● The installation requirements of the EUT</i> <i>● The method by which the EUT will be marketed</i> | <p><i>The RF Device used a dedicated antenna connected to device with a unique connector. The length of the antenna is adjustable and the maximum length is 1m.</i></p> |



Dedicated Antenna

ATTACHMENT 2 – RESTRICTED BAND OF OPERATION

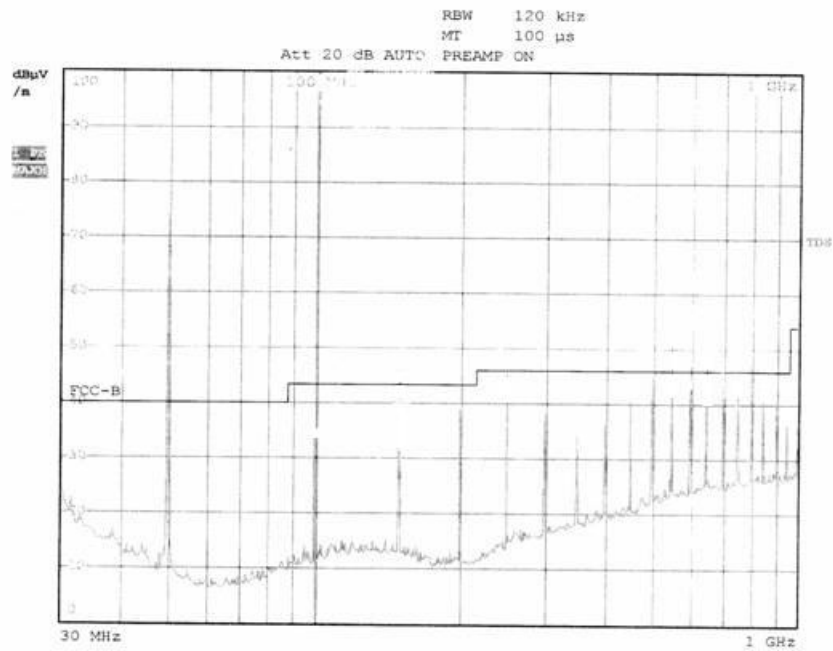
| | | | |
|---|---|-------------------------|------------------------|
| CLIENT: | Flying Hobby. Co. Ltd. | TEST STANDARD: | FCC Part 15.205 (2004) |
| MODEL TESTED: | FH-001B | PRODUCT: | Toy R/C Plane |
| SERIAL NO.: | Engineering Sample | EUT DESIGNATION: | RF Equipment |
| TEMPERATURE: | 21°C | HUMIDITY: | 53%RH |
| ATM PRESSURE: | 101.6 kPa | GROUNDING: | No Grounding |
| TESTED BY: | Shi Xiting | DATE OF TEST: | 2005, Dec 29 |
| SETUP METHOD: | ANSI C63.4 - 2003 | | |
| RESTRICTED BANDS OF OPERATION REQUIREMENT: | The only spurious emissions are permitted in any of the frequency bands listed below table of next page. | | |
| TESTED RANGE: | 30MHz to 1000MHz | | |
| TEST VOLTAGE: | 9.6 DC (8*1.2V Ni-H Batteries) | | |
| TEST STATUS: | Keep Tx in continuous transmission mode, modulated Antenna was adjusted to get the maximum disturbance | | |
| RESULTS: | The EUT meets the restricted bands of operation requirement. The test results relate only to the equipment under test provided by client. | | |
| CHANGES OR MODIFICATIONS: | There were no modifications installed by EMC Compliance Management Group (China) test personnel. | | |
| M. UNCERTAINTY: | Freq. $\pm 2 \times 10^{-7}$ x Center Freq., Amp ± 2.6 dB | | |

| MHz | MHz | MHz | GHz |
|----------------------------|-----------------------|-----------------|------------------|
| 0.090 - 0.110 | 16.42 - 16.423 | 399.9 - 410 | 4.5 - 5.15 |
| ¹ 0.495 - 0.505 | 16.69475 - 16.69525 | 608 - 614 | 5.35 - 5.46 |
| 2.1735 - 2.1905 | 16.80425 - 16.80475 | 960 - 1240 | 7.25 - 7.75 |
| 4.125 - 4.128 | 25.5 - 25.67 | 1300 - 1427 | 8.025 - 8.5 |
| 4.17725 - 4.17775 | 37.5 - 38.25 | 1435 - 1626.5 | 9.0 - 9.2 |
| 4.20725 - 4.20775 | 73 - 74.6 | 1645.5 - 1646.5 | 9.3 - 9.5 |
| 6.215 - 6.218 | 74.8 - 75.2 | 1660 - 1710 | 10.6 - 12.7 |
| 6.26775 - 6.26825 | 108 - 121.94 | 1718.8 - 1722.2 | 13.25 - 13.4 |
| 6.31175 - 6.31225 | 123 - 138 | 2200 - 2300 | 14.47 - 14.5 |
| 8.291 - 8.294 | 149.9 - 150.05 | 2310 - 2390 | 15.35 - 16.2 |
| 8.362 - 8.366 | 156.52475 - 156.52525 | 2483.5 - 2500 | 17.7 - 21.4 |
| 8.37625 - 8.38675 | 156.7 - 156.9 | 2690 - 2900 | 22.01 - 23.12 |
| 8.41425 - 8.41475 | 162.0125 - 167.17 | 3260 - 3267 | 23.6 - 24.0 |
| 12.29 - 12.293 | 167.72 - 173.2 | 3332 - 3339 | 31.2 - 31.8 |
| 12.51975 - 12.52025 | 240 - 285 | 3345.8 - 3358 | 36.43 - 36.5 |
| 12.57675 - 12.57725 | 322 - 335.4 | 3600 - 4400 | (²) |
| 13.36 - 13.41 | | | |

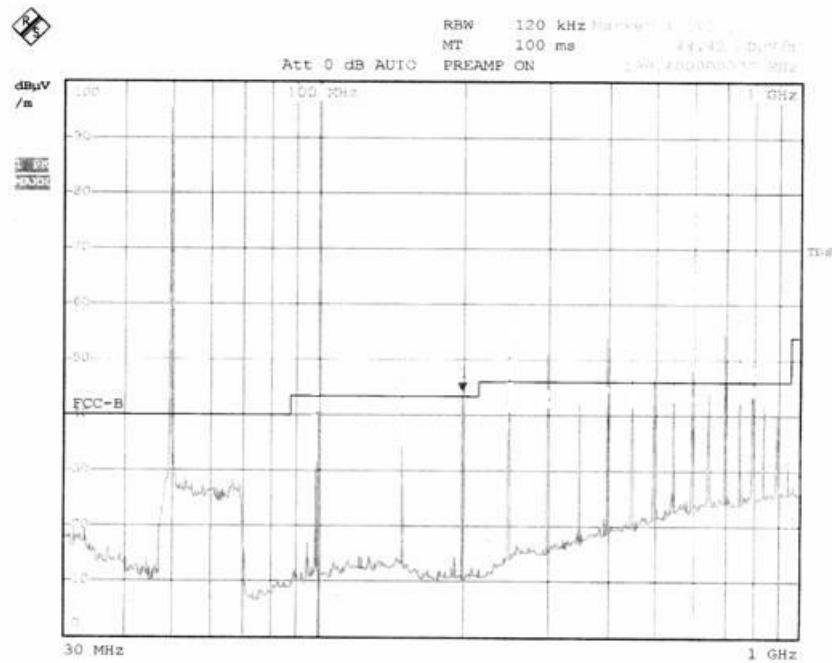
¹ Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz.

² Above 38.6

Model: Tx of FH-001B



Horizontal Radiated Emission Plot (Transmitter)

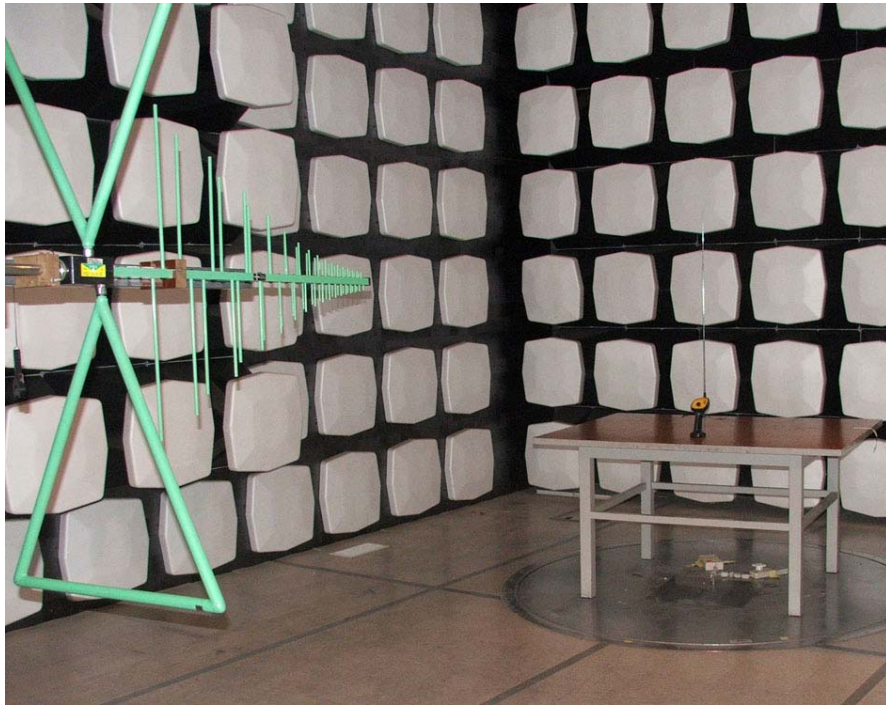


Vertical Radiated Emission Plot (Transmitter)

| Test Equipment | Model | Serial No. | Manufacturer | Last Cal. | Cal. Due Date |
|--|---------|-----------------------|--------------|-----------|---------------|
| EMI TEST RECEIVER | ESCI | 1166.595003 100065 | ROHDE&SCWARZ | 11/23/05 | 11/22/06 |
| BILOG ANTENNA | CBL6112 | 117.0800.20 | CHASE | 02/17/05 | 02/17/06 |
| Anechoic Chamber | FACT-3 | 601 | LINDGREN | 01/10/05 | 01/10/06 |
| Note: All testing were performed using internationally recognized standards. All test instruments were calibrated. | | | | | |

SIGNED BY: Shi-xiting
ENGINEER

REVIEWED BY: Hanyzha
QC



Radiated Emissions Test Set-up

ATTACHMENT 3 – Field Strength within the Band

| | | | |
|----------------------------------|--|-------------------------|--|
| CLIENT: | Flying Hobby Co., Ltd. | TEST STANDARD: | FCC Part 15.203 FCC Part 15.235(a) (2004) |
| MODEL TESTED: | FH-001B | PRODUCT: | Toy R/C Plane |
| SERIAL NO.: | Engineering Sample | EUT DESIGNATION: | RF Equipment |
| TEMPERATURE: | 20°C | HUMIDITY: | 55%RH |
| ATM PRESSURE: | 101.7 kPa | GROUNDING: | No Grounding |
| TESTED BY: | Shi Xiting | DATE OF TEST: | 2005, Dec 29 |
| SETUP METHOD: | ANSI C63.4 - 2003 | | |
| FCC 15.235(A) | The Field strength of any emission within this band shall not exceed 1,0000 microvolts/meter at 3 meters. The emission limit in this paragraph is based on measurement instrumentation employing an average detector. The provisions in 15.35 for liting peak emissions apply. | | |
| TEST PROCEDURE: | <p>The EUT is set up according to the guidelines of ANSI C63.4 for radiated emissions. The length of the antenna was adjusted to the maximum output level. An EMI receiver employing average detector is used for the test. Peak scan was made at the frequency measurement range (pre-scan) in an Anechoic chamber, and then three significant points were investigated by peak detector and average detector. The frequency investigated is from 49.82MHz – 49.90MHz.</p> <p>The following data lists the significant emission frequencies, measured levels, and the corrected readings against the limits. Explanation of the Correction Factor is given as follows:</p> <p>FS= RA + AF + CF - AG</p> <p>Where: FS = Field Strength</p> <p>RA = Receiver Amplitude</p> <p>AF = Antenna Factor</p> <p>CF = Cable Attenuation Factor</p> <p>AG = Amplifier Gain</p> | | |
| TESTED RANGE: | 49.82MHz – 49.90MHz | | |
| TEST VOLTAGE: | For Tx of FH-001B: 8*1.2V Ni-H Batteries | | |
| TEST STATUS: | Keep Tx in continuous transmission mode, modulated Antenna was adjusted to get the maximum disturbance | | |
| RESULTS: | <p>Tx of FH-001B - The EUT meets the requirements of test reference for Radiated Emissions on vertical polarization by 19.68 dB for peak reading and 2.66 dB for average reading at 49.88MHz.</p> <p>The test results relate only to the equipment under test provided by client.</p> | | |
| CHANGES OR MODIFICATIONS: | There were no modifications installed by EMC Compliance Management Group test personnel. | | |
| M. UNCERTAINTY: | Freq. $\pm 2 \times 10^{-7}$ x Center Freq., Amp ± 2.6 dB | | |

| 49.82MHz – 49.90MHz | | | | | | | |
|---|-----------------|-----------------------------|----------------------------|-------------|-----------------------------|----------------------------|-------------|
| Horizontal (Transmitter of FH-001B) | | | | | | | |
| Signal | Frequency (MHz) | Corrected PK Level dB(uV/m) | 3 Meter PK Limits dB(uV/m) | Margin (dB) | Corrected AV Level dB(uV/m) | 3 Meter AV Limits dB(uV/m) | Margin (dB) |
| 1 | 49.82 | 20.04 | 100 | -79.96 | 18.11 | 80 | -61.89 |
| 2 | 49.88 | 75.22 | 100 | -24.78 | 64.49 | 80 | -15.51 |
| 3 | 49.90 | 22.50 | 100 | -77.50 | 19.75 | 80 | -60.25 |
| Vertical (Transmitter of FH-001B) | | | | | | | |
| Signal | Frequency (MHz) | Corrected PK Level dB(uV/m) | 3 Meter PK Limits dB(uV/m) | Margin (dB) | Corrected AV Level dB(uV/m) | 3 Meter AV Limits dB(uV/m) | Margin (dB) |
| 1 | 49.82 | 24.85 | 100 | -75.15 | 20.18 | 80 | -59.72 |
| 2 | 49.88 | 80.32 | 100 | -19.68 | 77.34 | 80 | -2.66 |
| 4 | 49.90 | 21.94 | 100 | -78.06 | 18.30 | 80 | -61.70 |
| Note: The readings are peak and average, using a QPA bandwidth of 120kHz, with a 30 ms sweep time. A video filter was not used. | | | | | | | |

| Test Equipment | Model | Serial No. | Manufacturer | Last Cal. | Cal. Due Date |
|-----------------------|---------|--------------|------------------|-----------|---------------|
| EMI receiver (9k-30M) | ESCS30 | 1102.4500.30 | ROHDE&SCW ARZ | 02/26/05 | 02/25/06 |
| BILOG ANTENNA | CBL6112 | 117.0800.20 | CHASE | 02/17/05 | 02/17/06 |
| Anechoic Chamber | FACT-3 | 601 | LINDGREN | 01/10/06 | 01/09/07 |

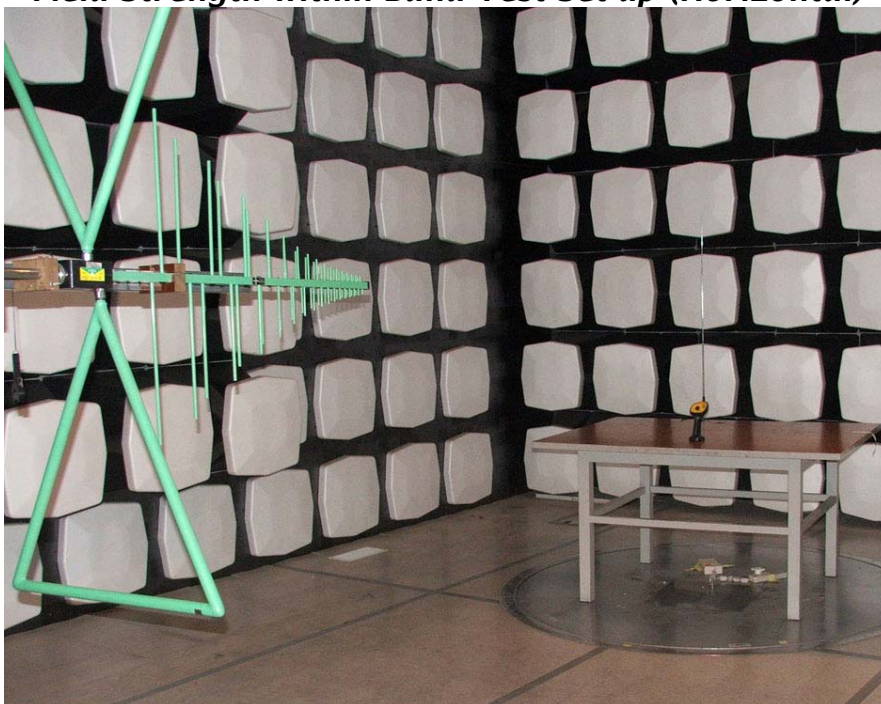
SIGNED BY: Shi-xiting
ENGINEER

REVIEWED BY: Hanyzhu
QC

EUT Model: Tx of FH-001B



Field Strength within Band Test Set-up (Horizontal)



Field Strength within Band Test Set-up (Vertical)

ATTACHMENT 4 – Field Strength outside of the Band

| | | | |
|----------------------------------|--|-------------------------|--|
| CLIENT: | Flying Hobby Co., Ltd. | TEST STANDARD: | FCC Part 15.203 FCC Part 15.235(b) (2004) |
| MODEL TESTED: | FH-001B | PRODUCT: | Toy R/C Plane |
| SERIAL NO.: | Engineering Sample | EUT DESIGNATION: | RF Equipment |
| TEMPERATURE: | 20°C | HUMIDITY: | 55%RH |
| ATM PRESSURE: | 101.7 kPa | GROUNDING: | No Grounding |
| TESTED BY: | Shi Xiting | DATE OF TEST: | 2005, Dec 29 |
| SETUP METHOD: | ANSI C63.4 - 2003 | | |
| FCC 15.235(B) | The field strength of any emissions appearing between the band edges and up to 10kHz above and below the band edges shall be attenuated at least 26dB below the level of the unmodulated carrier or to the general limits in 15.209, whichever permits the higher emission levels. The field strength of any emissions removed by more than 10kHz from the band edges shall not exceed the general radiated emission limits in 15.209. All signals exceeding 20 microvolts/meter at 3 meters shall be reported in the application for certification. | | |
| TEST PROCEDURE: | <p>The EUT is set up according to the guidelines of ANSI C63.4 for radiated emissions. The length of the antenna was adjusted to the maximum output level. An EMI receiver peak scan is made at the frequency measurement range (pre-scan) in an Anechoic chamber. Signal discrimination is then performed and the significant peaks marked. These peaks are then quasi-peaked for final test at an Open Site Test area. The frequency investigated is from 30MHz to 1GHz.</p> <p>The following data lists the significant emission frequencies, measured levels, correction factors (including cable and antenna correction factors), and the corrected readings against the limits. Explanation of the Correction Factor is given as follows:</p> <p>FS= RA + AF + CF - AG</p> <p>Where: FS = Field Strength</p> <p>RA = Receiver Amplitude</p> <p>AF = Antenna Factor</p> <p>CF = Cable Attenuation Factor</p> <p>AG = Amplifier Gain</p> | | |
| TESTED RANGE: | 30MHz to 1,000MHz | | |
| TEST VOLTAGE: | For Tx of FH-001B: 8*1.2V Ni-H Batteries For Rx of FH-001B: 4* 1.2 Lithium Batteries | | |
| RESULTS: | <p>Tx of FH-001B - The EUT meets the requirements of test reference for Radiated Emissions on vertical polarization by 1.0 dB at 149.63 MHz.</p> <p>Rx of FH-001B - The EUT meets the requirements of test reference for Radiated Emissions on horizontal polarization by 3.81 dB at 210.8800 MHz.</p> <p>The test results relate only to the equipment under test provided by client.</p> | | |
| CHANGES OR MODIFICATIONS: | There were no modifications installed by EMC Compliance Management Group test personnel. | | |
| M. UNCERTAINTY: | Freq. $\pm 2 \times 10^{-7}$ x Center Freq., Amp ± 2.6 dB | | |

Band Edge
Model: Tx of FH-001B

49.81 - 49.82MHz & 49.90 - 49.91MHz

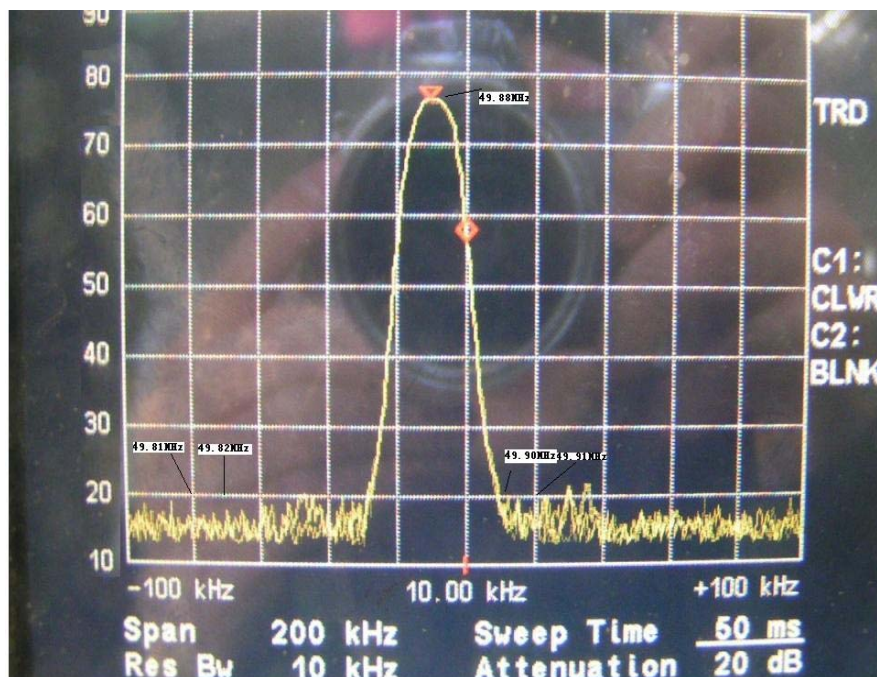
Horizontal (Transmitter of FH-001B)

| Signal | Frequency (MHz) | Corrected QP Level dB(uV/m) | Unmodulated carrier level dBuV/m | Limit 1 dBuV/m | Limit in 15.209 dBuV/m | Result |
|--------|-----------------|-----------------------------|----------------------------------|----------------|------------------------|--------|
| 1 | 49.82 | <20 | 73dB | 73-26=47dB | 40 | Pass |
| 2 | 49.81 | <20 | | | | |
| 3 | 49.90 | <23 | | | 40 | Pass |
| 4 | 49.91 | <23 | | | | |

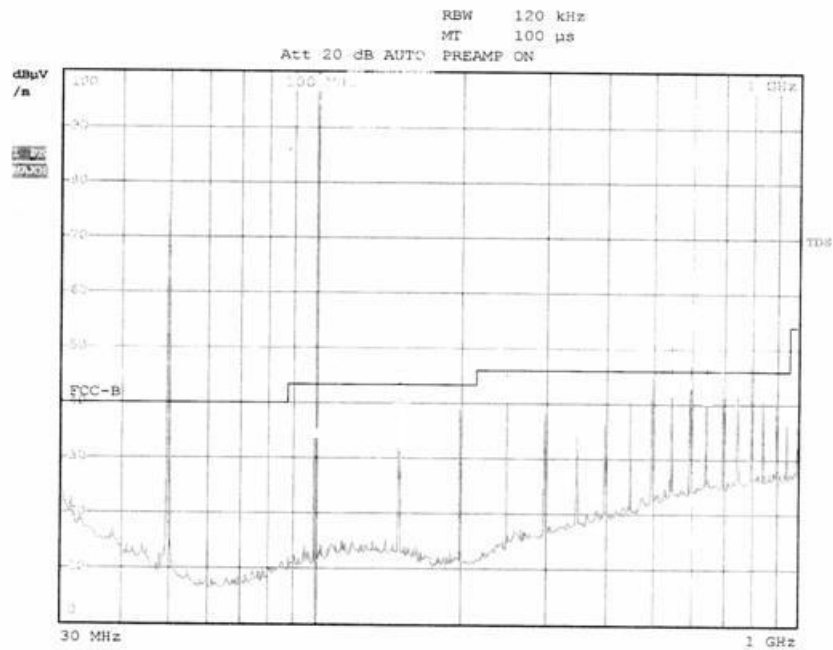
Vertical (Transmitter of FH-001B)

| Signal | Frequency (MHz) | Corrected QP Level dB(uV/m) | Unmodulated carrier level dBuV/m | Limit 1 dBuV/m | Limit in 15.209 dBuV/m | Result |
|--------|-----------------|-----------------------------|----------------------------------|----------------|------------------------|--------|
| 1 | 49.82 | <20 | 73dB | 73-26=47dB | 40 | Pass |
| 2 | 49.81 | <20 | | | | |
| 3 | 49.90 | <23 | | | 40 | Pass |
| 4 | 49.91 | <23 | | | | |

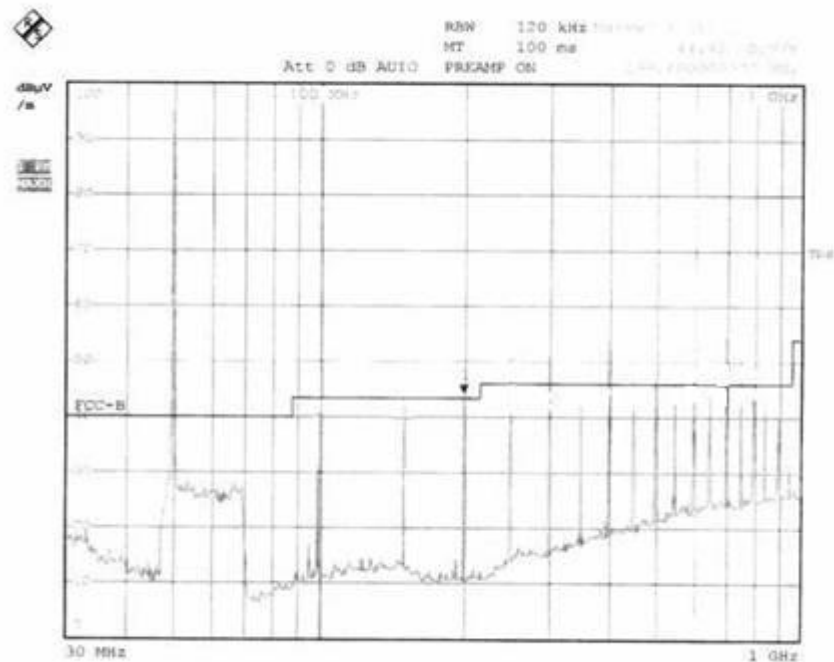
Note: All readings are quasi-peak unless stated otherwise, using a QPA bandwidth of 120kHz, with a 30 ms sweep time. A video filter was not used.



Spurious Emission Model: Tx of FH-001B



Horizontal Radiated Emission Plot (Transmitter)

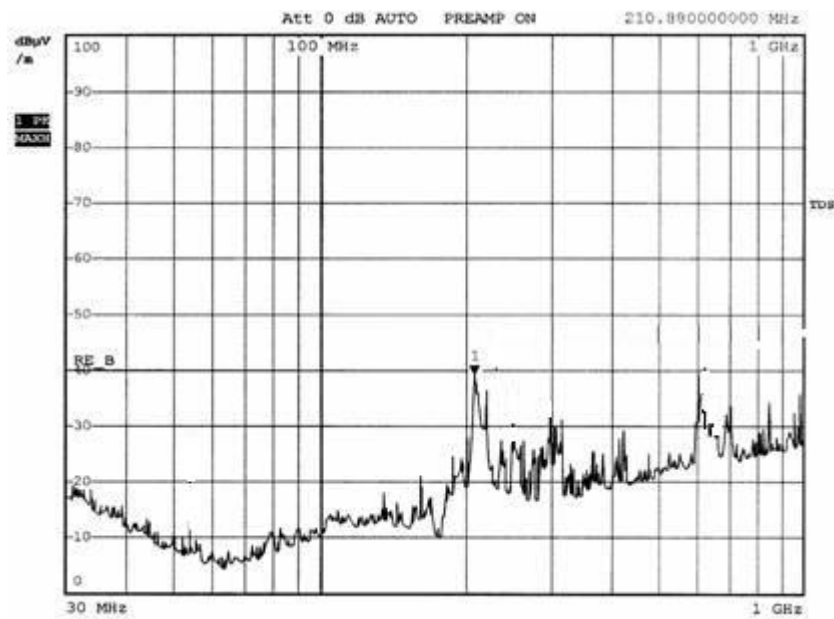


Vertical Radiated Emission Plot (Transmitter)

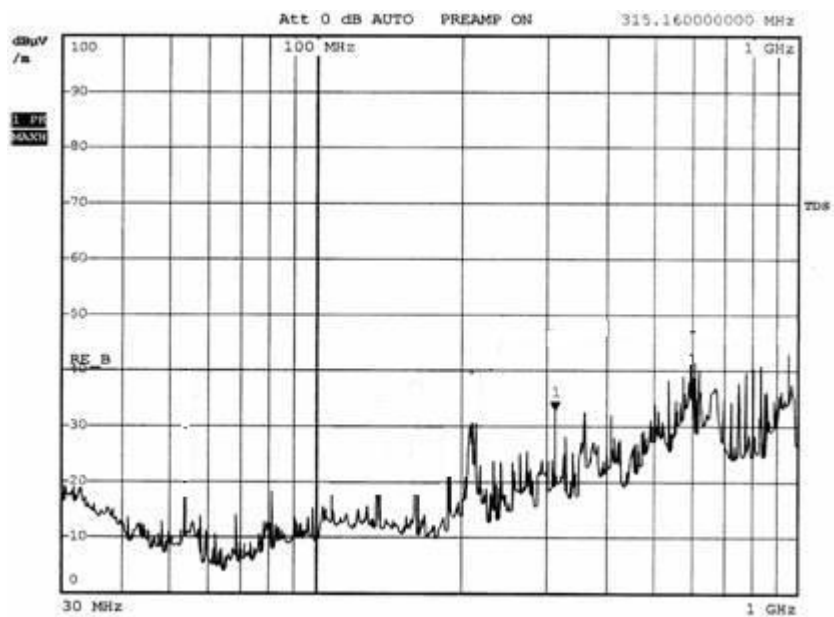
| 30MHz - 1GHz | | | | | | |
|---|-----------------|-----------------------------|-------------------------|-------------|--------------------------|----------------------|
| <i>Horizontal (Transmitter of FH-001B)</i> | | | | | | |
| Signal | Frequency (MHz) | Corrected QP Level dB(uV/m) | 3 Meter Limits dB(uV/m) | Margin (dB) | Angle of Turner (degree) | Height of Tower (cm) |
| 1 | 99.72 | 40.2 | 43.5 | -3.3 | 355 | 212 |
| 2 | 149.63 | 39.5 | 43.5 | -4.0 | 252 | 204 |
| 3 | 199.49 | 38.4 | 43.5 | -5.1 | 355 | 188 |
| 4 | 249.34 | 40.2 | 46 | -5.8 | 332 | 305 |
| 5 | 299.24 | 41.6 | 46 | -4.4 | 21 | 109 |
| 6 | 349.07 | 43.1 | 46 | -2.9 | 290 | 200 |
| 7 | 398.97 | 40.1 | 46 | -5.9 | 164 | 299 |
| 8 | 448.83 | 43.2 | 46 | -2.8 | 173 | 287 |
| 9 | 548.57 | 41.2 | 46 | -4.8 | 135 | 183 |
| 10 | 598.36 | 40.4 | 46 | -5.6 | 104 | 301 |
| 11 | 648.24 | 41.5 | 46 | -4.5 | 201 | 200 |
| 12 | 698.15 | 39.5 | 46 | -6.5 | 138 | 165 |
| 13 | 748.02 | 40.8 | 46 | -5.2 | 122 | 134 |
| 14 | 797.91 | 43.0 | 46 | -3.0 | 190 | 176 |
| 15 | 847.78 | 42.1 | 46 | -3.9 | 301 | 204 |
| 16 | 897.61 | 36.2 | 46 | -9.8 | 211 | 255 |
| 17 | 947.49 | 26.9 | 46 | -19.1 | 59 | 137 |
| Note: All readings are quasi-peak unless stated otherwise, using a QPA bandwidth of 120kHz, with a 30 ms sweep time. A video filter was not used. | | | | | | |

| 30MHz - 1GHz | | | | | | |
|---|-----------------|-----------------------------|-------------------------|-------------|--------------------------|----------------------|
| Vertical (Transmitter of FH-001B) | | | | | | |
| Signal | Frequency (MHz) | Corrected QP Level dB(uV/m) | 3 Meter Limits dB(uV/m) | Margin (dB) | Angle of Turner (degree) | Height of Tower (cm) |
| 1 | 99.72 | 32.0 | 43.5 | -11.5 | 198 | 104 |
| 2 | 149.63 | 42.5 | 43.5 | -1.0 | 223 | 187 |
| 3 | 199.49 | 40.8 | 43.5 | -2.7 | 244 | 200 |
| 4 | 249.34 | 44.7 | 46 | -1.3 | 27 | 175 |
| 5 | 299.24 | 38.0 | 46 | -8.0 | 87 | 188 |
| 6 | 349.07 | 32.3 | 46 | -13.7 | 183 | 190 |
| 7 | 398.97 | 37.6 | 46 | -8.4 | 209 | 138 |
| 8 | 448.83 | 38.4 | 46 | -7.6 | 309 | 109 |
| 9 | 548.57 | 40.9 | 46 | -5.1 | 377 | 100 |
| 10 | 598.36 | 42.0 | 46 | -4.0 | 297 | 100 |
| 11 | 648.24 | 41.1 | 46 | -4.9 | 287 | 299 |
| 12 | 698.15 | 41.1 | 46 | -4.9 | 167 | 187 |
| 13 | 748.02 | 40.7 | 46 | -5.3 | 106 | 201 |
| 14 | 797.91 | 43.1 | 46 | -2.9 | 288 | 120 |
| 15 | 847.78 | 41.9 | 46 | -4.1 | 219 | 119 |
| 16 | 897.61 | 38.3 | 46 | -7.7 | 287 | 133 |
| 17 | 947.49 | 37.5 | 46 | -8.5 | 156 | 102 |
| Note: All readings are quasi-peak unless stated otherwise, using a QPA bandwidth of 120kHz, with a 30 ms sweep time. A video filter was not used. | | | | | | |

Model: Rx of FH-001B



Horizontal Radiated Emission Plot (Receiver)



Vertical Radiated Emission Plot (Receiver)

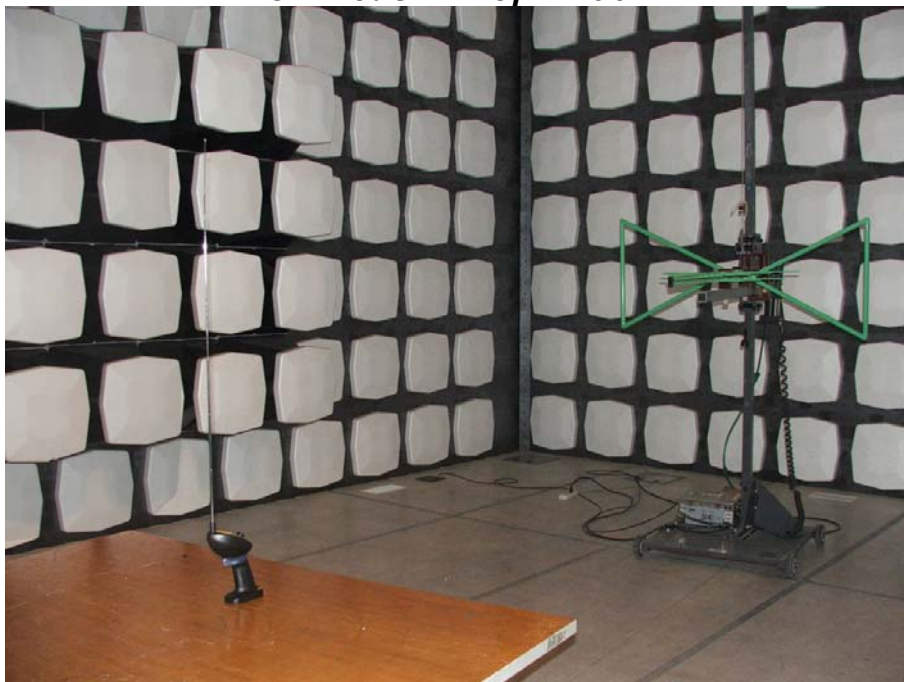
| 30MHZ - 1GHZ | | | | | | | |
|---|-----------------|-------------|-----------------------------|-------------------------|-------------|--------------------------|----------------------|
| <i>Horizontal (Receiver of FH-001B)</i> | | | | | | | |
| Signal | Frequency (MHz) | Factor (dB) | Corrected QP Level dB(uV/m) | 3 Meter Limits dB(uV/m) | Margin (dB) | Angle of Turner (degree) | Height of Tower (cm) |
| 1 | 210.8800 | 12.55 | 38.69 | 43.5 | -3.81 | 196.9 | 124 |
| 2 | 349.2835 | 13.68 | 31.10 | 46 | -14.90 | 176.9 | 187 |
| 3 | 629.9228 | 21.89 | 36.77 | 46 | -9.23 | 204.8 | 169 |
| <i>Vertical (Receiver of FH-001B)</i> | | | | | | | |
| Signal | Frequency (MHz) | Factor (dB) | Corrected QP Level dB(uV/m) | 3 Meter Limits dB(uV/m) | Margin (dB) | Angle of Turner (degree) | Height of Tower (cm) |
| 1 | 32.1500 | 6.99 | 17.15 | 40 | -22.85 | 15.4 | 110 |
| 2 | 229.2050 | 12.87 | 22.36 | 46 | -23.64 | 347.3 | 145 |
| 4 | 608.5745 | 20.70 | 37.12 | 46 | -8.88 | 173.6 | 270 |
| Note: All readings are quasi-peak unless stated otherwise, using a QPA bandwidth of 120kHz, with a 30 ms sweep time. A video filter was not used. | | | | | | | |

| Test Equipment | Model | Serial No. | Manufacturer | Last Cal. | Cal. Due Date |
|-----------------------|--------------|-------------|--------------|-----------|---------------|
| EMI receiver (9k-30M) | ROHDE&SCWARZ | ESCS30 | 1102.4500.30 | 02/26/05 | 02/25/06 |
| BILOG ANTENNA | CBL6112 | 117.0800.20 | CHASE | 02/17/05 | 02/17/06 |
| Anechoic Chamber | FACT-3 | 601 | LINDGREN | 01/10/06 | 01/09/07 |

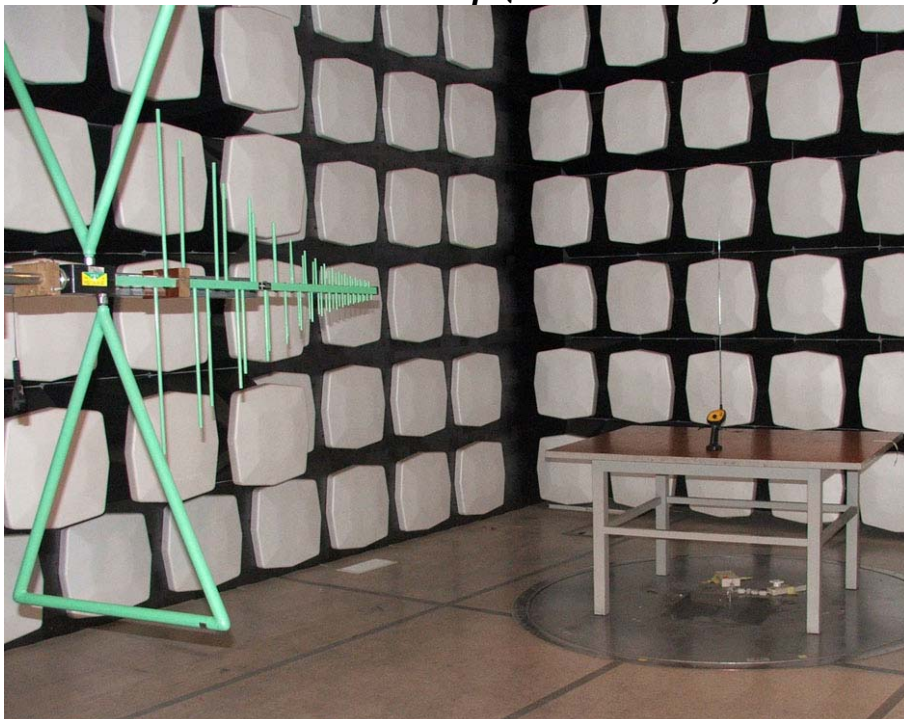
SIGNED BY: Shi-xiting
ENGINEER

REVIEWED BY: Hanyzhuo
QC

EUT Model: Tx of FH-001B

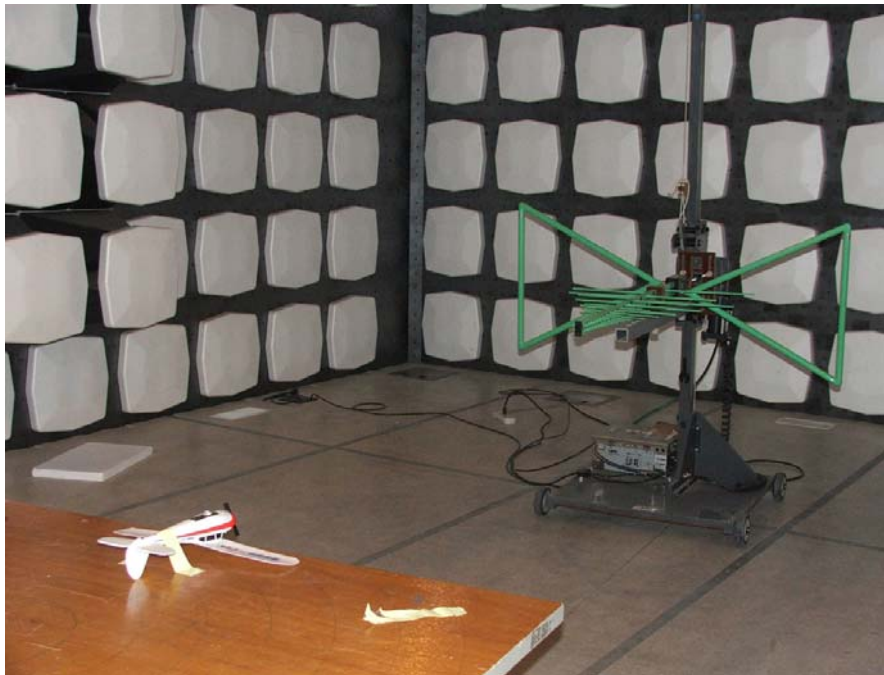


Radiated Emission Test Set-up (Transmitter, Horizontal)



Radiated Emission Test Set-up (Transmitter, Vertical)

EUT Model: Rx of FH-001B



Radiated Emission Test Set-up (Receiver, Horizontal)



Radiated Emission Test Set-up (Receiver, Vertical)