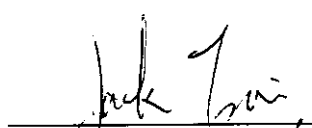
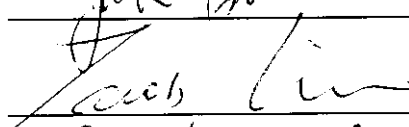


***EXHIBIT B***

***Test Report***

|                          |                                                                                                                                                                                                   |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Report No.               | T0915664                                                                                                                                                                                          |
| FCC ID                   | I5406-001-00-01                                                                                                                                                                                   |
| Applicant<br>Address     | TIGER ELECTRONIC INC.<br>980 WOODLANDS PARKWAY,<br>VERNON HILLS, IL 60061, U.S.A.                                                                                                                 |
| Items tested             | Walkie Talkie                                                                                                                                                                                     |
| Model No.                | 06-001-00-01                                                                                                                                                                                      |
| Frequency Range          | 26.96 - 27.28 <i>MHz (Operating Frequency: 27.125MHz)</i>                                                                                                                                         |
| Specifications           | FCC Part 15.227, Certification.                                                                                                                                                                   |
| Test Method              | ANSI C63.4 1992                                                                                                                                                                                   |
| Sample<br>received date  | 06/ 23/1998 (month / day / year )                                                                                                                                                                 |
| Test date                | 08/23/1998                                                                                                                                                                                        |
| Results                  | As detailed within this report                                                                                                                                                                    |
| Prepared by              | <br>project engineer                                                                                           |
| Authorized by<br>Manager | <br>Vice General<br>(Jacob Lin )                                                                               |
| Issue date               | <i>Sep. 1, 1998</i><br>(month / day / year )                                                                                                                                                      |
| Conditions of issue      | This test report shall not be reproduced except in full, without<br>written approval of TRC. And the test result contained within<br>this report only relate to the sample submitted for testing. |
| Total pages              | 9 ( this page excluded )                                                                                                                                                                          |

Tested by : **Training Research Co., Ltd.**

Open site : No. 5-3, Lane 21, Yen Chiu Yuan Rd, Sec. 4, Taipei, Taiwan R.O.C.

Office : 2F( 5F) No. 571, Chung Hsiao E. Road, Sec. 7, Taipei, Taiwan R.O.C.

Tel : 886 - 2 - 27881332 Fax : 886 - 2 - 27857408

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## **I. GENERAL**

### **1.1 Introduction**

The following measurement report is submitted on behalf of Applicant in support of an International Periodic Radiator certification with Part 2 Subpart J and Part 15 Subpart A and C of the Commission's Rules and Regulations.

### **1.2 Description of EUT**

**EUT** : Walkie Talkie  
**Model** : 06-001-00-01  
**FCC ID** : 15406-001-00-01  
**Frequency Range** : 26.96 – 27.28 MHz  
(Operating Frequency: 27.125MHz)  
**Power Type** : Powered by Battery 9V.

This device is a Walkie Talkie. While testing the EUT was made to transmit or received continuously and adjusted at a position which transmitted the maximum emission.

### **1.3 Description of Support Equipment**

The EUT itself forms a system. No support equipment is required for its normal operation.

### **1.4 Test Procedure**

All measurements contained in this report were performed according to the techniques described in measurement procedure of ANSI C63.4 1992 section 13.

### **1.5 Location of the Test Site**

The radiated emission measurement required by the rule were performed on the three-meter, open-field test site maintained by *Training Research Co., Ltd.*, No.5-3, Lane 21, Yen-Chiu-Yuan Rd., Sec. 4, Taipei, Taiwan, R.O.C. Complete description data have been placed on file with the Commission. The conducted power line emissions tests were performed in a shielded enclosure also located at the above facility. *Training Research Co., Ltd. Listed is by the FCC as a facility available to do measurement work for other on a contract basis.*

*Report No.: T0915664, Walkie Talkie, FCC Part 15.227, Certification.*

*Test date: 08/23/98, Training Research Co., Ltd., TEL: 886-2-27881332, Fax: 886-2-27857408*

## **1.6 General Test Condition**

The conditions under which the EUT operates were varied to determine their effect on the equipment's emission characteristics. The final configuration of the test system and the mode of operation used during these tests was chosen as that which produced highest emission levels. However, only those conditions which the EUT was considered likely encounter in normal use were investigated.

## **II. Conducted Emissions Measurements**

The EUT operates solely by the battery, According to the rule of section 15.207(c). The EUT exempt to the power line conducted test.

### **III. Radiated Emissions Measurements**

#### **3.1 Test Condition & Setup**

Prior to open-field testing, the EUT was placed in a shielded enclosure and scanned at a close distance to determine its emission characteristics. The physical arrangement of the EUT was varied (within the scope of arrangements likely to be encountered in actual use) to determine the effect on the unit's emanations in amplitude, directivity, and frequency. The exact system configuration which produced the highest emissions was noted so it could be reproduced later during the open-field tests. This was done to ensure that the final measurements would demonstrate the worst-case interference potential of the EUT.

Final radiation measurements were made on a three-meter, open-field test site. The EUT system was placed on a nonconductive turntable which is 0.8 meters height, top surface 1.0 x 1.5 meter.

The spectrum was examined from 20 MHz to 1 GHz order to check the whole spectrum which could be generated from the EUT. During the test, EUT was set to transmit continuously and the switch was positioned to yield the maximum duty cycle which had measured before radiated emissions test. The test battery was a totally brand-new one

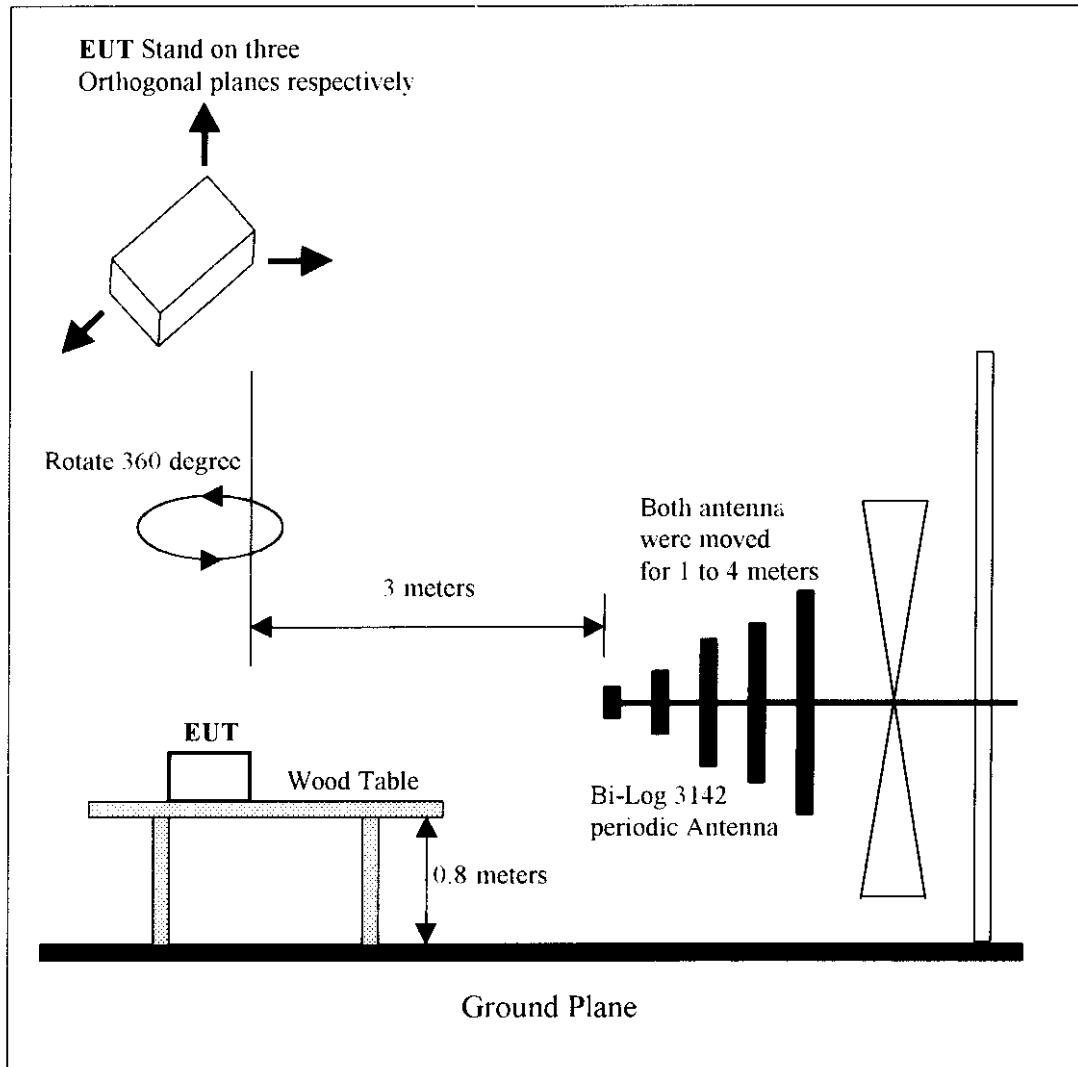
A nonconductive material surrounded the EUT to supporting the EUT for standing on three orthogonal planes. At each condition, the EUT was rotated 360 degrees, and the antenna was raised and lowered from one to four meters to find the maximum emission levels. Measurements were taken using both horizontal and vertical antenna polarizations.

The field strength below 1 GHz was measured by EMCO Bi-Log Periodic Antenna (model 3142) at 3 meter.

Appropriate preamplifiers were used for improving sensitivity and precautions were taken to avoid overloading the spectrum analyzer. No post-detector video filters were used in the test. The spectrum analyzer's 6dB bandwidth was set to 3 M and the was operated in the peak detection mode, for frequencies both below and up 1 GHz. The peak levels were obtained by subtracting the duty cycle correction factor from the peak readings.

The following procedures were used to convert the emission levels measured in decibels referenced to 1 microvolt (dBuV) into field intensity in microvolts per meter (uV/ m).

### 3.2 Test Instruments Configuration



### 3.5 Test Result of Radiated Emissions

The highest peak values of radiated emissions from the EUT at various antenna heights, antenna polarizations, EUT orientation, etc. are recorded on the following.

Table 1 Open Field Radiated Emissions [Horizontal]-Transmit Mode

| Radiated Emission |                    |             |           | Correction Factors | Corrected Amplitude | FCC Class B ( 3 M ) |             |
|-------------------|--------------------|-------------|-----------|--------------------|---------------------|---------------------|-------------|
| Frequency (MHz)   | Amplitude (dBuV/m) | Ant.H. (cm) | Table ( ) | (dB)               | (dBuV/m)            | Limit (dBuV/m)      | Margin (dB) |
| 27.125            | 69.24              | 1.00        | 299       | -15.33             | 53.91               | 80.00               | -26.09      |
| 54.250            | 41.67              | 1.00        | 298       | -23.46             | 18.21               | 40.00               | -21.79      |
| 81.400            | 38.55              | 1.00        | 264       | -12.76             | 25.79               | 40.00               | -14.21      |
| 271.250           | 35.29              | 1.00        | 26        | -17.80             | 17.49               | 46.00               | -28.51      |
| 325.490           | 34.77              | 1.00        | 124       | -14.56             | 20.21               | 46.00               | -25.79      |
| 569.610           | 36.49              | 1.00        | 23        | -11.96             | 24.53               | 46.00               | -21.47      |
| 623.860           | 41.91              | 1.00        | 288       | -13.60             | 28.31               | 46.00               | -17.69      |
| 651.000           | 41.17              | 1.00        | 42        | -13.17             | 28.00               | 46.00               | -18.00      |
| 678.120           | 39.67              | 1.00        | 162       | -12.41             | 27.26               | 46.00               | -18.74      |
| 705.250           | 40.08              | 1.00        | 162       | -13.07             | 27.01               | 46.00               | -18.99      |
| ***               |                    |             |           |                    |                     |                     |             |

**The EUT was not found any emissions at receiving mode.**

Note:

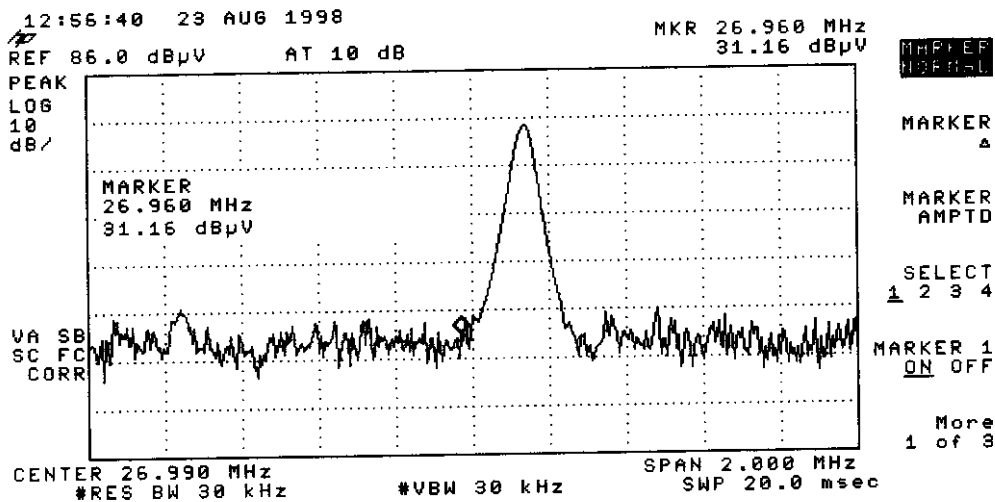
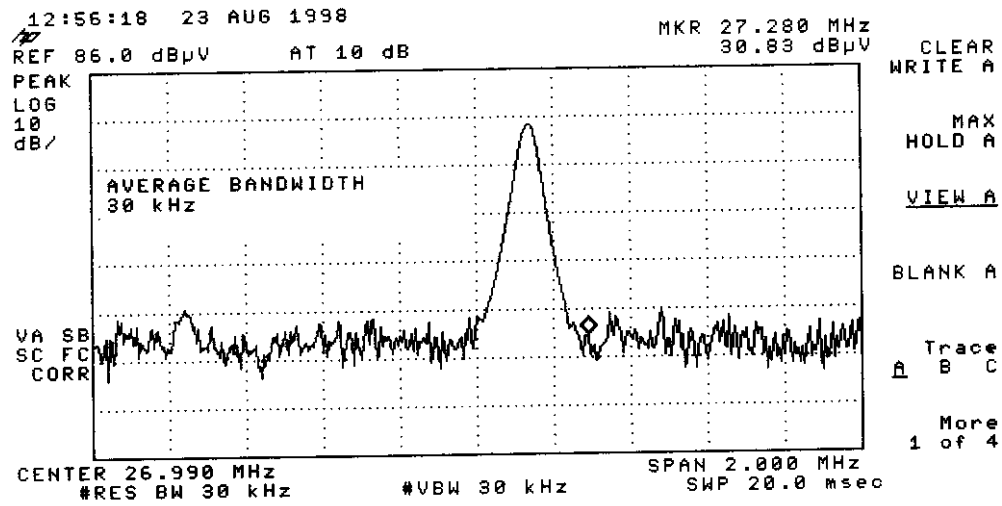
- 1 Margin = Corrected - Limit.
2. Peak Amplitude + Correction Factors = Corrected

Table 2 Open Field Radiated Emissions [Vertical] -Transmit Mode

| Radiated Emission |                    |             |             | Correction Factors | Corrected Amplitude | FCC Class B ( 3 M ) |             |
|-------------------|--------------------|-------------|-------------|--------------------|---------------------|---------------------|-------------|
| Frequency (MHz)   | Amplitude (dBuV/m) | Ant.H. (cm) | Table ( ° ) | (dB)               | (dBuV/m)            | Limit (dBuV/m)      | Margin (dB) |
| 27.125            | 78.28              | 1.00        | 98          | -15.33             | 62.95               | 80.00               | -17.05      |
| 54.250            | 48.17              | 1.00        | 69          | -23.46             | 24.71               | 40.00               | -15.29      |
| 81.400            | 47.38              | 1.00        | 303         | -12.76             | 34.62               | 40.00               | -5.38       |
| 271.250           | 39.97              | 1.00        | 107         | -17.80             | 22.17               | 46.00               | -23.83      |
| 325.490           | 41.89              | 1.00        | 124         | -14.56             | 27.33               | 46.00               | -18.67      |
| 569.610           | 42.25              | 1.00        | 198         | -11.96             | 30.29               | 46.00               | -15.71      |
| 623.860           | 45.00              | 1.00        | 63          | -13.60             | 31.40               | 46.00               | -14.60      |
| 651.000           | 42.48              | 1.00        | 48          | -13.17             | 29.31               | 46.00               | -16.69      |
| 678.120           | 39.84              | 1.00        | 253         | -12.41             | 27.43               | 46.00               | -18.57      |
| 705.250           | 41.64              | 1.00        | 77          | -13.07             | 28.57               | 46.00               | -17.43      |
| ***               |                    |             |             |                    |                     |                     |             |

Note:

1. Margin = Corrected - Limit.
2. Peak Amplitude +Correction Factors = Corrected



Appendix A  
Check Frequency: 26.96-27.28MHz