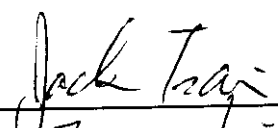
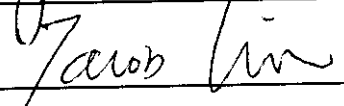
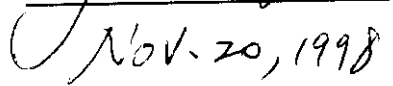


EXHIBIT B

Test Report

Report No.	T0915604
Specifications	FCC Part 15.235 (a), (b)
Test Method	ANSI C63.4 1992
Applicant address	980 WOODLANDS PARKWAY, VERNON HILLS, IL 60061, U.S.A.
Applicant	TIGER ELECTRONIC INC.
Items tested	Walkie Talkie
Model No.	88282 (Sample # T09604)
Frequency Range	49.82 ~ 49.90 MHz (Operating Frequency: 49.86 MHz)
Results	As detailed within this report
Sample received data	11/02/1998 (month / day / year)
Prepared by	 project engineer
Authorized by	 Vice General Manager (Jacob Lin)
Issue date	 Nov. 20, 1998 (month / day / year)
Modifications	None
Tested by	Training Research Co., Ltd.
Office at	2F, No. 571, Chung Hsiao E. Road, Sec. 7, Taipei, Taiwan
Open site at	No. 5-3, Lane 21, Yen Chiu Yuan Rd., Sec. 4, Taipei, Taiwan

Conditions of issue:

- (1) **This test report shall not be reproduced except in full, without written approval of TRC. And the test result contained within this report only relates to the sample submitted for testing.**
- (2) **This report must not be used by the client to claim product endorsement by NVLAP or any agency of U.S. Government.**



FCC ID: I54-88282

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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 : 88282
FCC ID : I5488282
Frequency Range : 49.82 ~ 49.90 MHz
(Operating Frequency : 49.86MHz)
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.**

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 30 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.

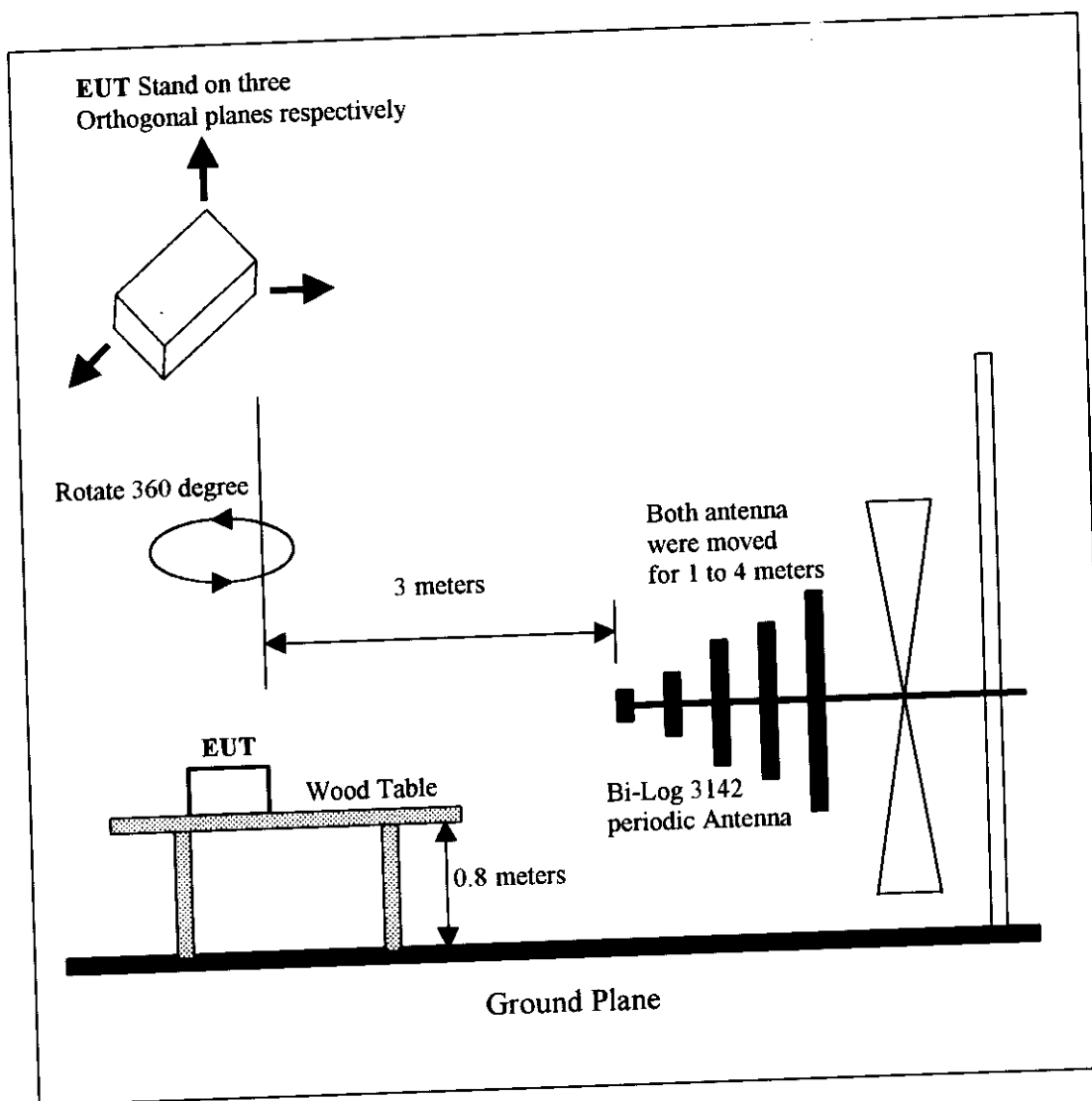
A nonconductive material surrounded the EUT to supporting the EUT for standing on three orthogonal planes. At each condition, the EUT was rotated 360 degrees, and the antenna was raised and lowered from one to four meters to find the maximum emission levels. Measurements were taken using both horizontal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



3.3 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)
49.860	87.48	1.00	254	-23.30	64.18	80.00	-15.82
119.999	35.91	3.01	1	-23.26	12.65	43.50	-30.85
149.585	47.35	1.00	58	-23.71	23.64	43.50	-19.86
249.295	41.90	1.00	131	-18.71	23.19	46.00	-22.81
299.156	39.14	1.00	197	-15.98	23.16	46.00	-22.84
349.015	42.98	1.00	134	-14.46	28.52	46.00	-17.48
398.875	35.07	1.00	121	-13.12	21.95	46.00	-24.05
448.735	34.46	1.00	32	-9.77	24.69	46.00	-21.31

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 (dBuV/m)	FCC Class B (3 M)	
Frequency (MHz)	Amplitude (dBuV/m)	Ant. H. (cm)	Table (°)	(dB)		Limit (dBuV/m)	Margin (dB)
49.860	97.97	1.00	196	-23.30	74.67	80.00	-5.33
119.999	41.77	3.01	215	-23.26	18.51	43.50	-24.99
149.585	49.97	3.01	319	-23.71	26.26	43.50	-17.24
249.295	43.83	1.00	70	-18.71	25.12	46.00	-20.88
299.156	39.93	1.00	175	-15.98	23.95	46.00	-22.05
349.015	48.66	1.00	117	-14.46	34.20	46.00	-11.80
398.875	38.25	1.00	69	-13.12	25.13	46.00	-20.87
448.735	38.59	1.00	25	-9.77	28.82	46.00	-17.18

Note:

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

IV. Band Edge and Check Frequency Measurements

FCC Part 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 26 dB 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.

Result: See attached page 11-1 and 11-2 .

12:29:42 NOV 06, 1998

MKR 49.86000 MHz
74.93 dB μ V

REF 87.0 dB μ V ATTEN 10 dB

PEAK
LOG
10
dB/

VA SB
SC FC
CORR

MARKER
49.86000 MHz
74.93 dB μ V

START 49.82000 MHz
#RES BW 10 kHz

VBW 10 kHz

STOP 49.90000 MHz
SWP 30 msec

MARKER
NORMAL

MARKER
DELTA

MKR CNT
ON OFF

MKNOISE
ON OFF

MARKERS
OFF

MORE
1 of 2

12:30:26 NOV 06, 1998

MKR Δ -40.00 kHz
-42.93 dB

REF 87.0 dB μ V ATTEN 10 dB

PEAK
LOG
10
dB/

VA SB
SC FC
CORR

MARKER Δ
-40.00 kHz
-42.93 dB

START 49.82000 MHz
#RES BW 10 kHz

VBW 10 kHz

STOP 49.90000 MHz
SWP 30 msec

MARKER
NORMAL

MARKER
DELTA

MKR CNT
ON OFF

MKNOISE
ON OFF

MARKERS
OFF

MORE
1 of 2

12:31:05 NOV 06, 1998

MKR 49.86000 MHz
74.93 dB μ V

REF 87.0 dB μ V ATTEN 10 dB

PEAK
LOG
10
dB/

MARKER
NORMAL

MARKER
DELTA

MKR CNT
ON OFF

MKNOISE
ON OFF

MARKERS
OFF

MORE
1 of 2

VA SB
SC FC
CORR

START 49.82000 MHz
#RES BW 10 kHz

VBW 10 kHz

STOP 49.90000 MHz
SWP 30 msec

MARKER
49.86000 MHz
74.93 dB μ V

12:31:55 NOV 06, 1998

MKR Δ 40.00 kHz
-43.46 dB

REF 87.0 dB μ V ATTEN 10 dB

PEAK
LOG
10
dB/

MARKER
NORMAL

MARKER
DELTA

MKR CNT
ON OFF

MKNOISE
ON OFF

MARKERS
OFF

MORE
1 of 2

VA SB
SC FC
CORR

START 49.82000 MHz
#RES BW 10 kHz

VBW 10 kHz

STOP 49.90000 MHz
SWP 30 msec

MARKER Δ
40.00 kHz
-43.46 dB