



**Test Report:** 4W30003

**Applicant:** LeGolie International Inc.  
9500 Meilleur Street #502  
Montreal, PQ  
H2N-2B7

**Equipment Under Test:  
(EUT)** LeGolie/KidPro KP1101/JR01

**In Accordance With:** **FCC Part 15, Subpart C, 15.227**  
Devices operating within the band of 26.96 to 27.28MHz

**Tested By:** Nemko Canada Inc.  
303 River Road, R.R. 5  
Ottawa, Ontario K1V 1H2

A handwritten signature in blue ink that reads 'Kevin Carr'.

**Authorized By:** Kevin Carr, Wireless Specialist

**Date:** 21 September 2004

**Total Number of Pages:** 12

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EQUIPMENT: LeGolie/KidPro KP1101/JR01

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## Section 1. Summary Of Test Results

### General

**All measurements are traceable to national standards.**

These tests were conducted on a sample of the equipment for the purpose of demonstrating compliance with FCC Part 15, Subpart C for low power devices. All tests were conducted using measurement procedure ANSI C63.4-2001. Radiated Emissions were made on an open area test site. A description of the test facility in on file with the FCC.

THIS TEST REPORT RELATES ONLY TO THE ITEM(S) TESTED.

THE FOLLOWING DEVIATIONS FROM, ADDITIONS TO, OR EXCLUSIONS FROM THE TEST SPECIFICATIONS HAVE BEEN MADE.

See " Summary of Test Data".



TESTED BY: \_\_\_\_\_  
Chris Maidens, EMC Specialist

DATE: 21 September 2004

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This report applies only to the items tested.



Nemko Canada Inc., a testing laboratory, is accredited by the Standards Council of Canada. The tests included in this report are within the scope of this accreditation.

*EQUIPMENT: LeGolie/KidPro KP1101/JR01*

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**Summary Of Test Data**

<b>Name of Test</b>	<i>Para. Number</i>	<i>Results</i>
Radiated Emissions	15.227(a)	Complied
Occupied Bandwidth (Band Edge Requirements)	15.215(c)	Complied
Powerline Conducted Emissions	15.207	N/A

Justification for N/A's      The EUT is battery powered (single standard 9V battery)

**Test Conditions:**

**Indoor**                      Temperature: 20°C  
                                    Humidity:     49%

**Outdoor**                     Temperature: 16°C  
                                    Humidity:     59%

*EQUIPMENT: LeGolie/KidPro KP1101/JR01*

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## **Section 2.        General Equipment Specification**

### **General Equipment Information**

<b>Manufacturer:</b>	Xinghui Plastic Industry Co. Guang Feng Industrial Zone Chenghai, ShenTao China
<b>EUT Description</b>	The EUT is a 27.145MHz hand-held remote control. It sends signals to control a toy goalie and transmits no voice or video.
<b>Model No.:</b>	KP1101/JR01
<b>Serial No.:</b>	None.
<b>Date Received In Laboratory:</b>	Sept. 17, 2004
<b>Nemko Identification No.:</b>	2
<b>Frequency Range (or fixed frequency):</b>	27.145MHz fixed
<b>Type of Modulation:</b>	PCM
<b>Emission Designator (TRC-43:)</b>	32K0L1D

EQUIPMENT: LeGolie/KidPro KP1101/JR01

**Section 3. Radiated Emissions**

Para. No.: 15.227

<b>Test Performed By:Chris Maidens</b>	<b>Date of Test: Sept 20, 2004</b>
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**Fundamental Frequency:**

<b>Detector</b>	<b>Field Strength Limit (µV/m)</b>	<b>Field Strength Limit (dBµV/m)</b>
Average	10000	80
Peak	100000	100

**Unwanted Emissions (Para. No. 15.209):**

<b>Fundamental (MHz)</b>	<b>Field Strength (µV/m)</b>	<b>Field Strength (dBµV/m)</b>
0.009 - 0.490	2400/F(kHz) @ 300m	—
0.490 - 1.705	24000/F(kHz) @ 30m	—
1.705 - 30	30 @ 30m	—
30 - 88	100 @ 3m	40.0
88 - 216	150 @ 3m	43.5
216 - 960	200 @ 3m	46.0
Above 960	500 @ 3m	54.0

**Test Results:** Complied.

**Measurement Data:** See attached table.

EQUIPMENT: LeGolie/KidPro KP1101/JR01

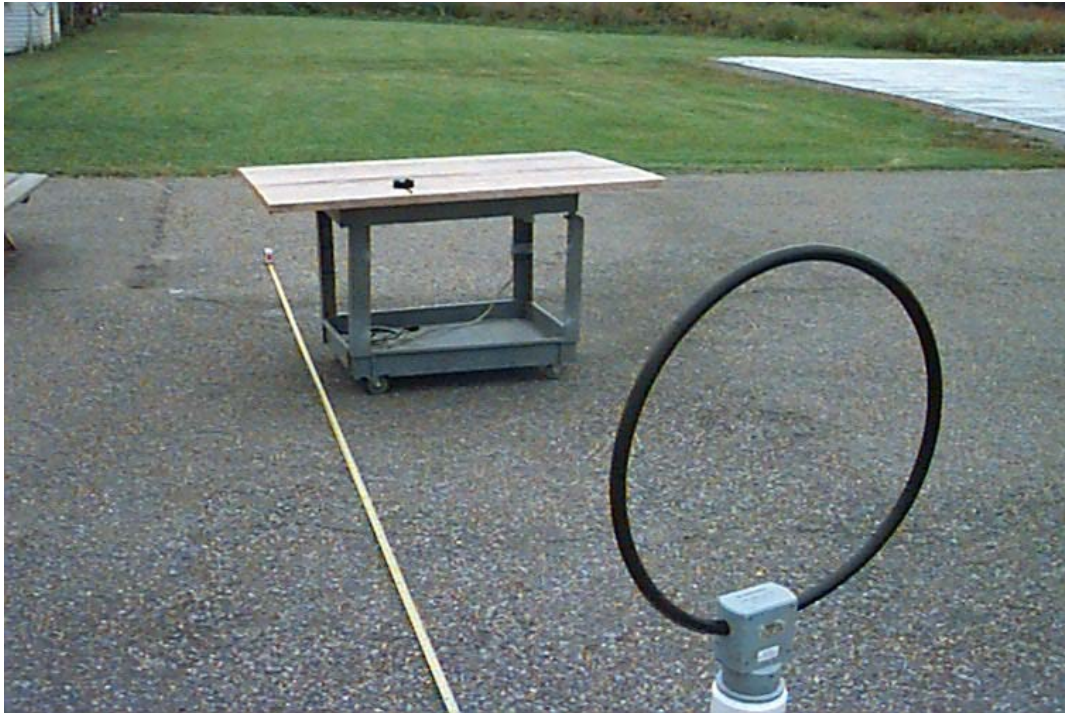
**Radiated Emissions Test Data:**

Tower :A										
Measurement Distance: 3m										
Dome: 1										
	Frequency (MHz)	Antenna	Polarity	RCVD Signal (dBuV)	Ant. Factor (dB)	Cable Loss (dB)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	27.1450	Loop	N/A	66.8	0.0	0.5	67.3	80.0	12.7	Peak
2	54.2900	BC2	V	27.0	9.4	0.8	37.3	40.0	2.7	Peak
3	54.2900	BC2	H	25.3	10.2	0.8	36.4	40.0	3.6	Peak
4	81.4350	BC2	V	28.4	7.6	1.0	37.0	40.0	3.0	Peak
5	81.4350	BC2	H	19.5	7.6	1.0	28.1	40.0	11.9	Peak
6	108.5800	BC2	V	21.2	10.9	1.3	33.4	43.5	10.1	Peak
7	108.5800	BC2	H	24.0	10.4	1.3	35.7	43.5	7.8	Peak
8	135.7250	BC2	V	22.3	13.3	1.5	37.1	43.5	6.4	Peak
9	135.7250	BC2	H	17.1	12.8	1.5	31.4	43.5	12.1	Peak
10	162.8700	BC2	V	16.2	13.8	1.6	31.6	43.5	12.0	Peak
11	162.8700	BC2	H	18.2	12.4	1.6	32.2	43.5	11.4	Peak
12	190.0150	BC2	V	16.8	14.8	1.8	33.4	43.5	10.1	Peak
13	190.0150	BC2	H	N.D.	13.9	1.8	N.D.	43.5	N.D.	Peak
14	217.1600	BC2	V	12.4	15.8	1.8	30.0	46.4	16.4	Peak
15	217.1600	BC2	H	13.5	15.6	1.8	30.9	46.4	15.5	Peak
16	244.3050	BC2	V	13.0	17.1	2.0	32.1	46.4	14.3	Peak
17	244.3050	BC2	H	13.1	16.4	2.0	31.5	46.4	14.9	Peak
18	271.4500	BC2	V	13.3	18.3	2.0	33.6	46.4	12.8	Peak
19	271.4500	BC2	H	13.8	18.2	2.0	34.0	46.4	12.4	Peak
NOTES:										
1) Emissions were searched up to the 10 <sup>th</sup> harmonic of the fundamental (27.145 to 271.45MHz).										
2) A 120kHz peak detector was used for all measurements and compared to the average/Quasi-peak limit.										
3) The fundamental emission was measured with no ground reference plane (see photo on next page).										
4) The EUT was investigated in 3 orthogonal axes, the worst case has been reported.										
5) The EUT was tested with a fresh battery.										

EQUIPMENT: LeGolie/KidPro KP1101/JR01

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**OATS Setup Photos:**



Fundamental



Dome 1



EQUIPMENT: LeGolie/KidPro KP1101/JR01

### Section 4. Occupied Bandwidth (Band Edge)

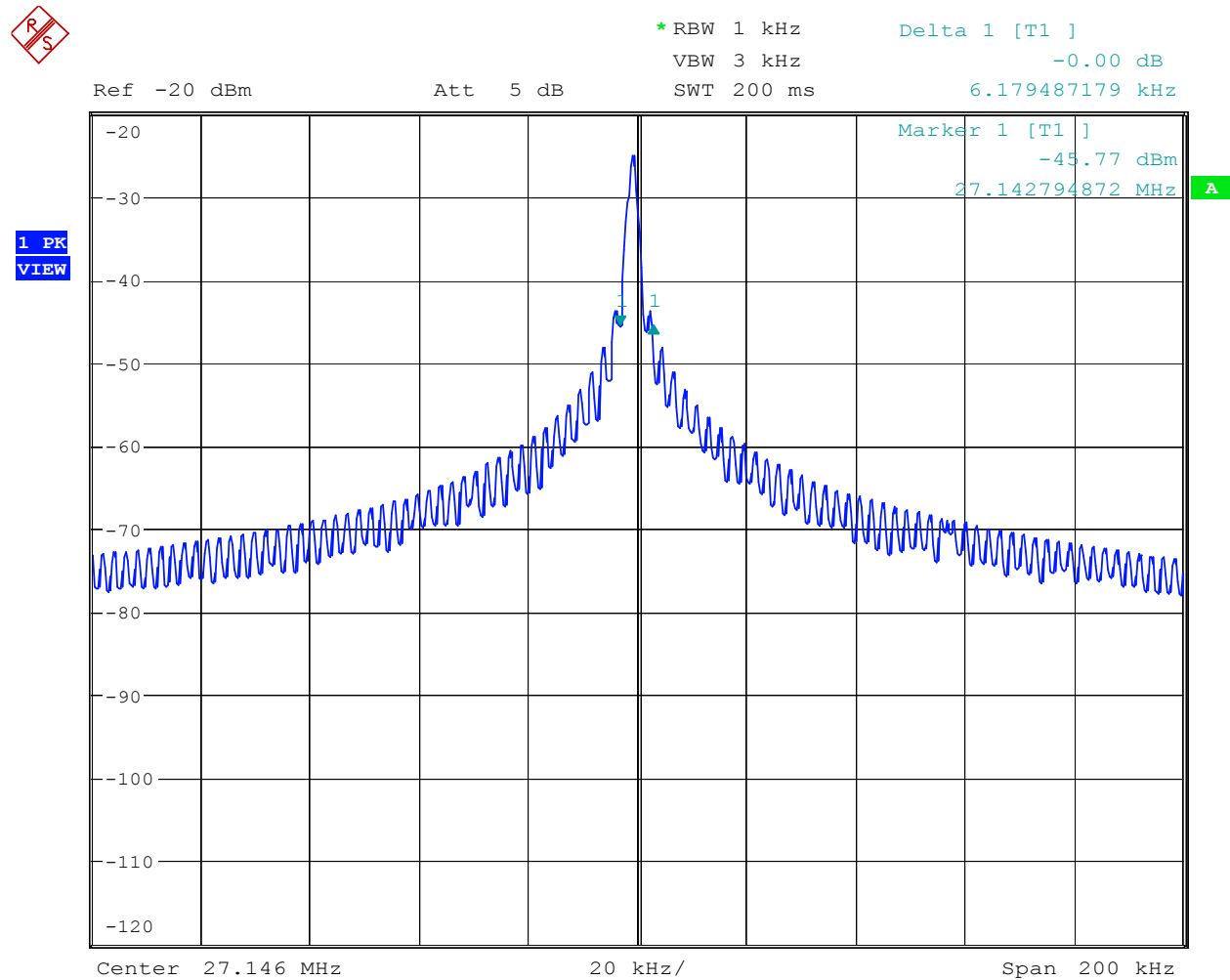
Para. No.: 15.215(c)

Test Performed By: Chris Maidens	Date of Test: Sept 17, 2004
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Test Results: Complied. The EUT does not transmit out of its specified band.

Measurement Data: See attached plots.

#### 20dB Bandwidth:



EQUIPMENT: LeGolie/KidPro KP1101/JR01

### 99% Occupied Bandwidth

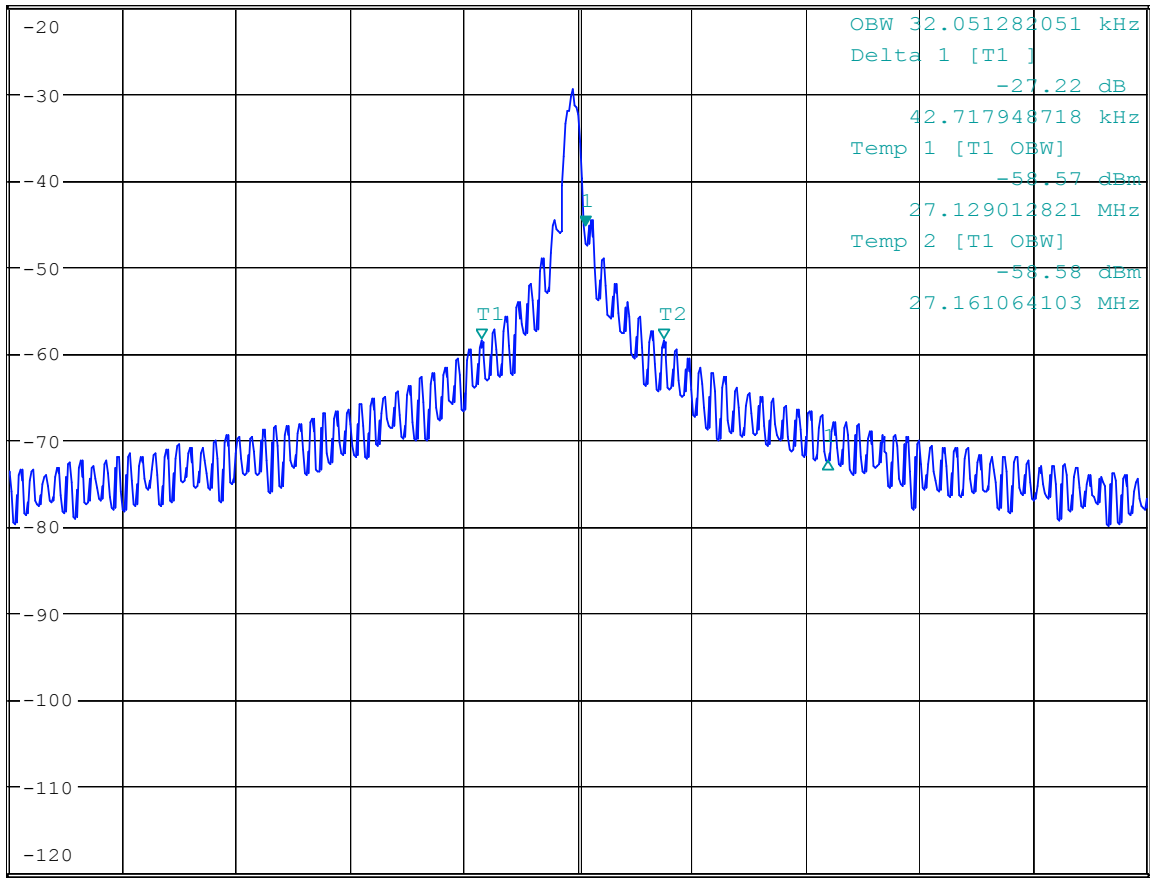


\* RBW 1 kHz      Marker 1 [T1 ]  
VBW 3 kHz      -45.49 dBm  
SWT 200 ms      27.147282051 MHz

Ref -20 dBm

Att 5 dB

1 PK  
VIEW



Center 27.146 MHz

20 kHz/

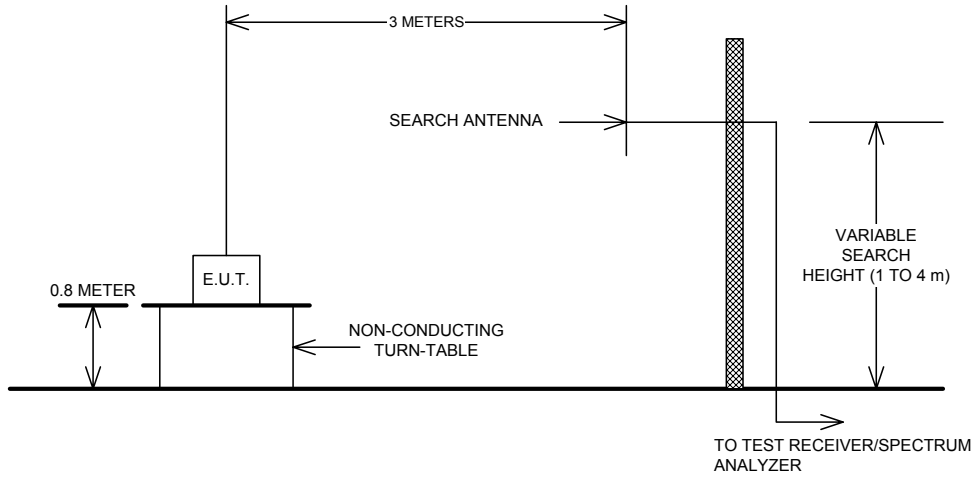
Span 200 kHz

EQUIPMENT: *LeGolie/KidPro KP1101/JR01*

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## Section 5. Block Diagrams

### Test Site For Radiated Emissions



*EQUIPMENT: LeGolie/KidPro KP1101/JR01*

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**Section 6. Test Equipment List**

CAL Cycle	Equipment	Manufacturer	Model No.	Asset/Serial No.	Last Cal.	Next Cal.
1 Year	Receiver	Rohde & Schwarz	ESVS-30	FA001437	July 26/04	July 26/05
1 Year	Biconical (2) Antenna	EMCO	3109	FA000904	Aug 3/04	Aug 3/05
1 Year	Active Loop Antenna	Rohde & Schwarz	HFH2-Z2	FA000631	May 15/04	May 15/05
1 Year	Spectrum Analyzer	Rohde & Schwarz	FSU	FA001877	May 26/04	May 26/05