Advanced
Compliance Laboratory

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ELECTROMAGNETIC EMISSION COMPLIANCE REPORT

of

PET CHIME RECEIVER
MODEL: PP10RX
FCC ID: OK7PP10RX

March 12, 2004

This report concerns (check one): Original grant __x__ Class II change _____
Equipment type: RECEIVER

Deferred grant requested per 47 CF 0.457(d)(1)(ii)? yes _____ no __x__
If yes, defer until: _____ (date)
Company agrees to notify the Commission by _____ (date)
of the intended date of announcement of the product so that the grant can be issued on that date.

Transition Rules Request per 15.37? yes _____ no __x__
If no, assumed Part 15, Subpart B for unintentional radiators - the new 47 CFR [10-1-90 Edition] provision.

Report prepared for:	DAKA DEVELOPMENT LTD.
Report prepared by:	Advanced Compliance Lab
Report number:	0048-040227-01-RX

NVLAP®

The test result in this report IS supported and covered by the NVLAP accreditation

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1. GENERAL INFORMATION

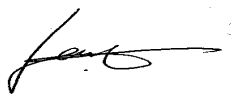
1.1 Verification of Compliance

EUT:	PET CHIME RECEIVER
Model:	PP10RX
Applicant:	DAKA DEVELOPMENT LTD.
Test Type:	FCC Part 15B CERTIFICATION
Result:	PASS
Tested by:	ADVANCED COMPLIANCE LAB
Test Date:	March 10, 2004
Report Number:	0048-040227-01-RX

The above equipment was tested by Advanced Compliance Laboratory for compliance with the requirement set forth in the FCC rules and regulations Part 15, subpart B. 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

Date: March 12, 2004

1.2 Equipment Modifications

N/A

1.3 Product Information

System Configuration

ITEM	DESCRIPTION	FCC ID	CABLE
Product	PET CHIIME RECEIVER	OK7PP10RX(1)	
Housing	PLASTICS		
Power Supply	4.5V DC BATTERY		
Operation Freq.	315 MHz		
Device Type	Superregenerative Receiver		
Transmitter	FCC ID: OK7PP10TX		

(1) EUT submitted for grant.

1.4 Test Methodology

Radiated tests were performed according to the procedures in ANSI C63.4-2001 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 Somerset, 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/yy	Cal Due dd/mm/yy
Hewlett-Packard	HP8546A	3625A00341	EMI Receiver	12/01/04	12/01/05
EMCO	3115	4945	Double Ridge Guide Horn Antenna	11/08/03	11/08/04
AIL	94455	933	20-300MHz Biconical Antenna	11/03/03	11/03/04
EMCO	3146	2860	200-1000MHz Log-Periodic Antenna	09/02/04	09/02/05
Fischer Custom	LISN-2	900-4-0008	Line Impedance Stabilization Networks	11/08/03	11/08/04
Fischer Custom	LISN-2	900-4-0009	Line Impedance Stabilization Networks	25/08/03	25/08/04

All Test Equipment Used are Calibrated Traceable to NIST Standards.

1.7 Statement for the Document Use

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2. PRODUCT LABELING

FCC ID: OK7PP10RX
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.

Figure 2.1 FCC ID Label

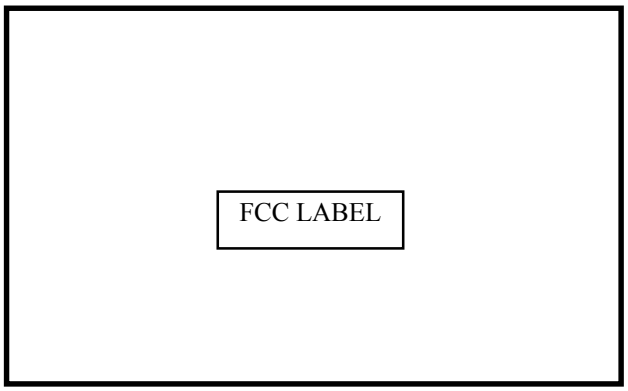

Figure 2.2 Location of Label on Back of the EUT

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.

A ROHDE&SCHWARZ SMH signal generator was used during the test to radiate an un-modulated CW signal to cohered the receiver at 315 MHz. The level was adjusted to let this occur.

3.2 Special Accessories

N/A

3.3 Configuration of Tested System

Figure 3.1 and Figure 3.2 illustrate this system, which is tested standing along.

Figure 3.1 Radiated Test Setup, Front

Figure 3.2 Radiated Test Setup, Rear

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 dBμV/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)

5.2 Test Methods and Conditions

The initial step in collecting radiated data is an EMI Receiver scan of the measurement range 30MHz - 5GHz using peak detector. IF bandwidth is 120KHz and video bandwidth is 300KHz for measuring 30MHz-1GHz. Both bandwidths are 1MHz for above 1GHz measurement.

5.3 Test Data

The following data lists the significant emission frequencies, polarity and position, peak reading of the EMI Receiver, the IC 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:

Tester Signature 

Typed/Printed Name: Edward Lee Date: March 12, 2004

Radiated Test Data

Frequency (MHz)	Polarity [H, V] Position	Height (m)	Azimuth (Degree)	Peak Reading (dBμV/m)	3m Limit (dBμV/m)	Difference from limit (dB)
310.6	H	1.3	30	36.1	46	-9.9
311.2	H	1.3	30	38.2	46	-7.8
311.7	H	1.3	30	39.9	46	-6.1
312.3	H	1.3	30	40.0	46	-6
312.7	H	1.3	30	40.1	46	-5.9
313.2	H	1.3	30	42.0	46	-4
314.1	H	1.3	30	43.1	46	-2.9
315.2	H	1.3	30	40.2	46	-5.8
315.8	H	1.3	30	38.7	46	-7.3
316.3	H	1.3	30	37.5	46	-8.5
631.4	H	1.2	0	38.2	46	-7.8
635.2	H	1.2	0	39.9	46	-6.1
311.2	V	1.4	55	34.5	46	-11.5
311.7	V	1.4	55	36.7	46	-9.3
312.3	V	1.4	55	39.8	46	-6.2
312.7	V	1.4	55	40.0	46	-6
313.2	V	1.4	55	41.3	46	-4.7
314.1	V	1.4	55	43.8	64	-2.2
315.2	V	1.4	55	42.0	46	-4
315.8	V	1.4	55	40.0	46	-6
316.3	V	1.4	55	39.1	46	-6.9
631.4	V	1.1	10	39.3	46	-6.7
635.2	V	1.1	10	39.7	46	-6.3

6. PHOTOS OF TESTED EUT