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1. GENERAL INFORMATION

1.1 Verification of Compliance

EUT: WIRELESS DOOR BELL RECEIVER WITH DIGITAL CLOCK

Model: SC352

Applicant: Styling City Industries Ltd.
Unit 418, International Plaza, 20 Sheung Yuet Road
Lowloon Bay, Kowloon, Hong Kong

Test Type: FCC Part 15 CERTIFICATION

Result: PASS

Tested by: ADVANCED COMPLIANCE LABORATORY

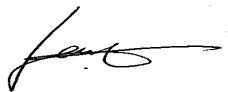
Test Date: November 11, 2004

Report Number: 0048-041108-02

The above equipment was tested by Compliance Laboratory, Advanced Technologies, Inc. for compliance with the requirement set forth in the FCC rules and regulations Part 15 subpart C. 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: November 11, 2004

1.2 Equipment Modifications

N/A

1.3 Product Information

System Configuration

ITEM	DESCRIPTION	FCC ID	CABLE
Product	WIRELESS DOOR BELL RECEIVER WITH DIGITAL CLOCK SC352	QZHSCILSC352	
Housing	PLASTICS		
Power Supply	3V DC Battery		
Operation Freq.	434 MHz		
Device Type	SUPERREGENERATIVE RECEIVER		

(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 Hillsborough, 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/y	Cal Due dd/mm/y
Hewlett-Packard	HP8546A	3625A00341	EMI Receiver	12/01/04	12/01/05
EMCO	3104C	9307-4396	20-300MHz Biconical Antenna	12/02/04	12/02/05
EMCO	3146	9008-2860	200-1000MHz Log-Periodic Antenna	09/02/04	09/02/05
Fischer Custom	LISN-2	900-4-0008	Line Impedance Stabilization Networks	03/07/04	03/07/05
Fischer Custom	LISN-2	900-4-0009	Line Impedance Stabilization Networks	03/07/04	03/07/05
EMCO	6502	2665	10KHz-30MHz Active Loop Antenna	27/02/04	27/02/05
EMCO	3115	4945	Double Ridge Guide Horn Antenna	15/09/04	15/09/05

All Test Equipment Used are Calibrated Traceable to NIST Standards.

1.7 Statement for the Document Use

This report shall not be reproduced except in full, without the written approval of the laboratory. And this report must not be used by the client to claim product endorsement by NVLAP or any agency of the U.S. Government.

2. PRODUCT LABELING

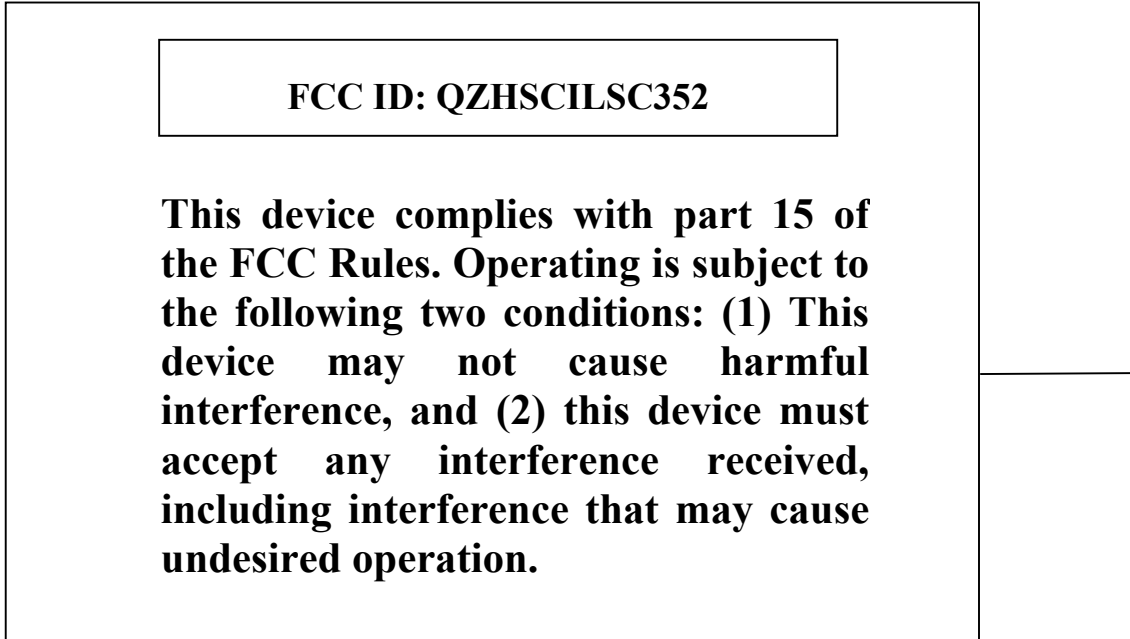


Figure 2.1 FCC ID Label



Figure 2.2 FCC ID Label Location

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 Rhode & Schwartz Signal Generator was employed to trigger the receiver.

3.2 Special Accessories

N/A

3.3 Configuration of Tested System

Figure 3.1 to 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 dB μ V/m

RA: Amplitude of EMI Receiver before correction in dB μ V

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 a EMI Receiver scan of the measurement range below 30MHz using peak detector and 9KHz IF bandwidth / 30KHz video bandwidth. For the range 30MHz - 1GHz, 120KHz IF bandwidth / 120KHz video bandwidth are used. Both bandwidths are 1MHz for above 1GHz measurement. Up to 2GHz were investigated.

5.3 Test Data

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



Typed/Printed Name: Edward Lee

Date: November 11, 2004

Radiated Test Data**Radiated Test Data**

Frequency (MHz)	Polarity [H or V]	Height (m)	Azimuth (Degree)	Peak Reading (dB μ V/m)	FCC 3m Limit (dB μ V/m)	Difference from limit (dB)
421.5	H	1.2	45	36.5	46	-9.5
424.4	H	1.2	45	38.0	46	-8.0
425.9	H	1.2	45	37.2	46	-8.8
433.4	H	1.2	45	39.1	46	-6.9
437.6	H	1.2	45	39.1	46	-6.9
438.5	H	1.2	45	38.6	46	-7.4
439.2	H	1.2	45	34.9	46	-11.1
422.3	V	1.2	45	40.0	46	-6.0
429.7	V	1.2	45	41.4	46	-4.6
431.1	V	1.2	45	42.1	46	-3.9
432	V	1.2	45	39.2	46	-6.8
432.6	V	1.2	45	42.2	46	-3.8
434.9	V	1.2	45	42.0	46	-4.0
435.5	V	1.2	45	41.6	46	-4.4
436.2	V	1.2	45	40.0	46	-6.0

16:26:58 NOV 11, 2004
 Advanced Compliance Laboratory, Inc.
 MARKER 434.07 MHz 49.34 dB μ V/m
 ACTV DET: PEAK
 MEAS DET: PEAK QP AVG
 MKR 434.07 MHz
 49.34 dB μ V/m

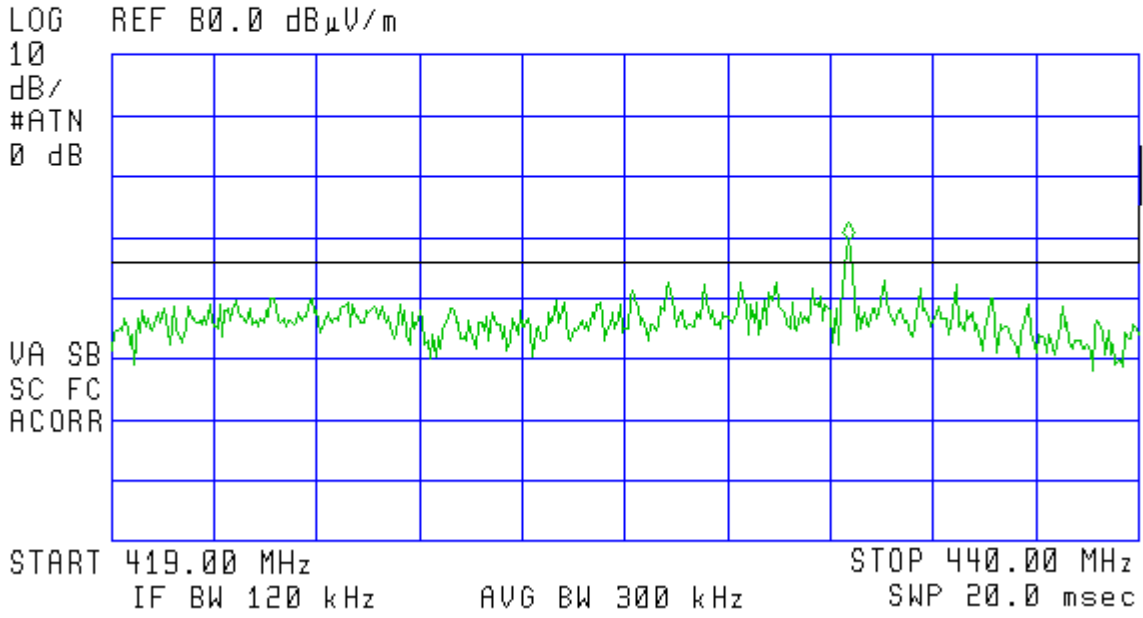


Figure 5.1 Emission Plot (marker for Signal Generator)

6. PHOTOS OF TESTED EUT

The following photos show the inside details of the EUT.