

TEST REPORT

Report Number: 100299095DAL-001

Project Number: G100299095

Report Issue Date: February 25, 2011

Product Designation: 2.4GHz ZigBee Transmitter

Standards: ETSI EN 300 328 V1.7.1 (2006-10)

Tested by:
Intertek Testing Services NA, Inc.
1809 10th St. Suite 400
Plano, TX 75074 - USA

Client:
Home Automation Inc.
4330 Michoud Blvd
New Orleans, LA 70129 - USA

Report prepared by



William Cullen
EMC Project Engineer

Report reviewed by



Jeremy Pickens
EMC Department Manager

This report is for the exclusive use of Intertek's Client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this report. Only the Client is authorized to permit copying or distribution of this report and then only in its entirety. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. The observations and test results in this report are relevant only to the sample tested. This report by itself does not imply that the material, product, or service is or has ever been under an Intertek certification program.

TABLE OF CONTENTS

1 Introduction and Conclusion 3

2 Test Summary 3

3 Description of Equipment Under Test..... 4

4 System setup including cable interconnection details, support equipment and simplified block diagram 5

5 Overview of EUT (Low Power Transmitter) (FCC 15C –EUT Overview)..... 6

6 Equivalent isotropic radiated power (Conducted method) (EN 300 328 Sect. 5.7.2.2) 7

7 Maximum e.i.r.p. spectral density (EN 300 328 Sect 5.7.3.1)..... 10

8 Frequency Range (EN 300 328 Sect 5.7.4.1) 14

9 Transmitter Spurious Emissions (EN 300 328 Sect 5.7.5)..... 17

10 Receiver Spurious Emissions (EN 300 328 Sect 5.7.6)..... 23

11 Test Equipment List: 27

12 Measurement Uncertainty..... 28

13 Revision History 29

1 Introduction and Conclusion

The tests indicated in section 2.0 were performed on the product constructed as described in section 3.0. The remaining test sections are the verbatim text from the actual data sheets used during the investigation. These test sections include the test name, the specified test Method, a list of the actual Test Equipment Used, documentation Photos, Results and raw Data. No additions, deviations, or exclusions have been made from the standard(s) unless specifically noted.

Based on the results of our investigation, we have concluded the product tested complies with the requirements of the standard(s) indicated. The results obtained in this test report pertain only to the item(s) tested.

2 Test Summary

Section	Test full name	Test date	Result
3	Description of Equipment Under Test	---	---
4	System setup including cable interconnection details, support equipment and simplified block diagram	---	---
5	Overview of EUT	---	---
6	Equivalent isotropic radiated power (Conducted) (EN 300 328 Section 5.7.2.2)	02/11-02/23/11	Pass
7	Maximum e.i.r.p. spectral density (EN 300 328 Section 5.7.3.1)	02/11/11	Pass
8	Frequency Range (EN 300 328 Section 5.7.4.1)	02/11-02/23/11	Pass
9	Transmitter spurious emissions (EN 300 328 Section 5.7.5)	02/11/11	Pass
10	Receiver spurious emissions (EN 300 328 Section 5.7.6)	02/11/11	Pass