

# ELECTROMAGNETIC EMISSION COMPLIANCE REPORT FOR LOW-POWER, NON-LICENSED TRANSMITTER

**Test Report No.** : W163R-D013  
**AGR No.** : A162A-238  
**Applicant** : LG Innotek Co., Ltd.  
**Address** : 978-1, Jangduk-dong, Gwangsan-gu, Gwangju, 506-731, Korea  
**Manufacturer** : SUZHOU NIHONE Electronics Technology Co., LTD.  
**Address** : No.185 XiaoXiang Road Suzhou High tech Zone  
**Type of Equipment** : Electronic Shelf Label  
**FCC ID.** : YZP-REPETZ21A  
**Model Name** : REPE-TZ21A  
**Multiple Model Name** : REPE-TZ21B, REPE-MZ21A, REPE-MZ21B  
**Serial number** : N/A  
**Total page of Report** : 6 pages (including this page)  
**Date of Incoming** : February 23, 2016  
**Date of issue** : March 08, 2016

## SUMMARY

The equipment complies with the regulation; *FCC PART 15 SUBPART C Section 15.247*  
 This test report only contains the result of a single test of the sample supplied for the examination.  
 It is not a generally valid assessment of the features of the respective products of the mass-production.

Reviewed by:   
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 Ki-Hong, Nam / Asst, Chief Engineer  
 ONETECH Corp.

Approved by:   
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 Sung-Ik, Han/ Managing Director  
 ONETECH Corp.

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### Revision History

Issued Report No.	Issued Date	Revisions	Effect Section
W163R-D013	March 08, 2016	Initial Issue	All

## 1. VERIFICATION OF COMPLIANCE

Applicant : LG Innotek Co., Ltd.  
 Address : 978-1, Jangduk-dong, Gwangsan-gu, Gwangju, 506-731, Korea  
 Contact Person : Jeong, Inchang / Director  
 Telephone No. : +86-62-950-0332  
 FCC ID : YZP-REPETZ21A  
 Model Name : REPE-TZ21A  
 Serial Number : N/A  
 Date : March 08, 2016

EQUIPMENT CLASS	DTS – DIGITAL TRNSMISSION SYSTEM
E.U.T. DESCRIPTION	Electronic Shelf Label
THIS REPORT CONCERNS	Original Grant
MEASUREMENT PROCEDURES	ANSI C63.10: 2013
TYPE OF EQUIPMENT TESTED	Pre-Production
KIND OF EQUIPMENT AUTHORIZATION REQUESTED	Certification
EQUIPMENT WILL BE OPERATED UNDER FCC RULES PART(S)	FCC PART 15 SUBPART C Section 15.247
Modifications on the Equipment to Achieve Compliance	None
Final Test was Conducted On	3 m, Semi Anechoic Chamber

-. The above equipment was tested by ONETECH Corp. for compliance with the requirement set forth in the FCC Rules and Regulations. This said equipment in the configuration described in this report, shows the maximum emission levels emanating from equipment are within the compliance requirements.

## 2. GENERAL INFORMATION

### 2.1 Product Description

The LG Innotek Co., Ltd., Model REPE-TZ21A (referred to as the EUT in this report) is a Electronic Shelf Label. The product specification described herein was obtained from product data sheet or user’s manual.

Device Type	Electronic Shelf Label
Temperature Range	0 °C ~ +40 °C
Operating Frequency	2 405 MHz ~ 2 480 MHz
RF Output Power	4.48 dBm
Number of Channel	16 Channel
Modulation Type	O-QPSK
Antenna Type	PCB Pattern Antenna
USED RF CHIP	Marker: TEXAS INSTRUMENTS Model Name: CC2530
Antenna Gain	0.68 dBi
List of each Osc. or crystal Freq.(Freq. >= 1 MHz)	16 MHz
RATED SUPPLY VOLTAGE	3.0 V Battery

### 2.2 Alternative type(s)/model(s); also covered by this test report.

-. The following lists consist of the added model and their differences.

Model Name	Differences	Tested
REPE-TZ21A	Basic Model. (DISPLAY: COLOR, CASE COLOR: WHITE)	<input checked="" type="checkbox"/>
REPE-TZ21B	These models are identical to basic model except for the case color. (DISPLAY: COLOR, CASE COLOR: BLACK)	<input type="checkbox"/>
REPE-MZ21A	These models are identical to basic model except for the DISPLAY and case color. (DISPLAY: MONO, CASE COLOR: WHITE)	<input type="checkbox"/>
REPE-MZ21B	These models are identical to basic model except for the DISPLAY and case color. (DISPLAY: MONO, CASE COLOR: BLACK)	<input type="checkbox"/>

Note: 1. Applicant consigns only basic model to test. Therefore this test report just guarantees the units, which have been tested.

2. The Applicant/manufacturer is responsible for the compliance of all variants.

## 3. EUT MODIFICATIONS

-. None

