



# Test Report

No.: CTL1308301368-R

Date: September 13, 2013

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**Applicant:** Da Ying Electronics Technology Co., Limited

**Address:** 2nd Floor, Block D, Quan yuanfa Industrial Area, Zhucun, Guanlan Town, Shenzhen City, Guangdong, China

**Manufacturer:** Da Ying Electronics Technology Co., Limited

**Address:** 2nd Floor, Block D, Quan yuanfa Industrial Area, Zhucun, Guanlan Town, Shenzhen City, Guangdong, China

**Sample Name:** GSM Alarm system/ GSM+PSTN Alarm system

**Model No:** DY-10B, Y-10A, DY-30A, DY-40A, DY-40B, DY-50A, DY-50B, DY-60A, DY-60B, DY-G66

**Trade Mark:** DYGSM

**Test period:** Sept. 1, 2013 to Sept. 13, 2013

**Test requested:** With reference to RoHS Directive 2011/65/EU Annex II; recasting 2002/95/EC

**Test Method:** With reference to IEC 62321:2008 and performed by following methods:

- 1) Cd-with reference to BS EN1122/ US EPA3050B/ US EPA3052. Analysis was performed by acid digestion.
- 2) Pb-with reference to US EPA3050B/ US EPA3052. Analysis was performed by acid digestion.
- 3) Hg-with reference to US EPA3052. Analysis was performed by acid digestion.
- 4) Cr6+- with reference to US EPA3060A&7196A. Analysis was performed by alkaline digestion. PBB&PBDE-with reference to US EPA3540C. Analysis was performed by solvent extraction.

Jacky Chen

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Jacky Chen

Shenzhen CTL Electromagnetic Technology Co., Ltd.

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## Test Results:

Part No.	Part Name	Restricted Substances	Unit	Results	Reference report No.
1	DO-214AC(SMA)Series	Cd	mg/kg	N.D.	SGS report No.: IRE5573366
		Pb	mg/kg	N.D.	
		Hg	mg/kg	N.D.	
		Cr <sup>6+</sup>	mg/kg	N.D.	
		PBBs	mg/kg	N.D.	
		PBDEs	mg/kg	N.D.	
2	TOO252-5L(B)	Cd	mg/kg	N.D.	SGS report No.: SHAEC1306578909
		Pb	mg/kg	12	
		Hg	mg/kg	N.D.	
		Cr <sup>6+</sup>	mg/kg	N.D.	
		PBBs	mg/kg	N.D.	
		PBDEs	mg/kg	N.D.	
3	SOP016L	Cd	mg/kg	N.D.	SGS report No.: SHAEC1306578911 A01
		Pb	mg/kg	N.D.	
		Hg	mg/kg	N.D.	
		Cr <sup>6+</sup>	mg/kg	N.D.	
		PBBs	mg/kg	N.D.	
		PBDEs	mg/kg	N.D.	
4	SYN150R	Cd	mg/kg	N.D.	SGS report No.: SHAEC1208705301
		Pb	mg/kg	N.D.	
		Hg	mg/kg	N.D.	
		Cr <sup>6+</sup>	mg/kg	N.D.	
		PBBs	mg/kg	N.D.	
		PBDEs	mg/kg	N.D.	
5	IC	Cd	mg/kg	N.D.	ATC report No.: DGC11102203S01
		Pb	mg/kg	N.D.	
		Hg	mg/kg	N.D.	
		Cr <sup>6+</sup>	mg/kg	N.D.	
		PBBs	mg/kg	N.D.	
		PBDEs	mg/kg	N.D.	



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Part No.	Part Name	Restricted Substances	Unit	Results	Reference report No.
6	Chip resistors	Cd	mg/kg	N.D.	SGS report No.: SHAEC1215329601
		Pb	mg/kg	N.D.	
		Hg	mg/kg	N.D.	
		Cr <sup>6+</sup>	mg/kg	N.D.	
		PBBs	mg/kg	N.D.	
		PBDEs	mg/kg	N.D.	
7	SOT	Cd	mg/kg	N.D.	AOV report No.: A002R12061145-1R01
		Pb	mg/kg	N.D.	
		Hg	mg/kg	N.D.	
		Cr <sup>6+</sup>	mg/kg	N.D.	
		PBBs	mg/kg	N.D.	
		PBDEs	mg/kg	N.D.	
8	MLCC F(Y5V) TYPE	Cd	mg/kg	N.D.	KOTITI report No.: 1311100052-1
		Pb	mg/kg	N.D.	
		Hg	mg/kg	N.D.	
		Cr <sup>6+</sup>	mg/kg	N.D.	
		PBBs	mg/kg	N.D.	
		PBDEs	mg/kg	N.D.	
9	MLCC C(COG) TYPE	Cd	mg/kg	N.D.	KOTITI report No. 1311100043-1
		Pb	mg/kg	N.D.	
		Hg	mg/kg	N.D.	
		Cr <sup>6+</sup>	mg/kg	N.D.	
		PBBs	mg/kg	N.D.	
		PBDEs	mg/kg	N.D.	
10	MLCC A(X5R), X(X6S), J(JIS-B) TYPE	Cd	mg/kg	N.D.	KOTITI report No. 1311100053-1
		Pb	mg/kg	N.D.	
		Hg	mg/kg	N.D.	
		Cr <sup>6+</sup>	mg/kg	N.D.	
		PBBs	mg/kg	N.D.	
		PBDEs	mg/kg	N.D.	

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Part No.	Part Name	Restricted Substances	Unit	Results	Reference report No.
11	MLCC B(X7R) TYPE	Cd	mg/kg	N.D.	KOTITI report No. 1311100034-1
		Pb	mg/kg	N.D.	
		Hg	mg/kg	N.D.	
		Cr <sup>6+</sup>	mg/kg	N.D.	
		PBBs	mg/kg	N.D.	
		PBDEs	mg/kg	N.D.	

## ROHS Requirement

Restricted substances	MDL	Limits
Lead(Pb)	5	0.1%(1000 ppm)
Cadmium(Cd)	5	0.01%(100 ppm)
Chromium(VI)(Cr6+)	5	0.1%(1000 ppm)
Mercury(Hg)	5	0.1%(1000 ppm)
Polybrominated biphenyls(PBBs)	5	0.1%(1000 ppm)
Polybrominated diphenyl ethers(PBDEs)	5	0.1%(1000 ppm)

### Note:

\_mg/kg=ppm=0.0001%

-MDL=Method Detection Limit

-N.D. =not detected (<MDL)

-Photo is included

-Test results are from other testing organizations. Shenzhen CTL Electromagnetic Technology Co., Ltd. has no liability to assume the verification of the authenticity of the above test reports results.

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## Photographs of Sample:



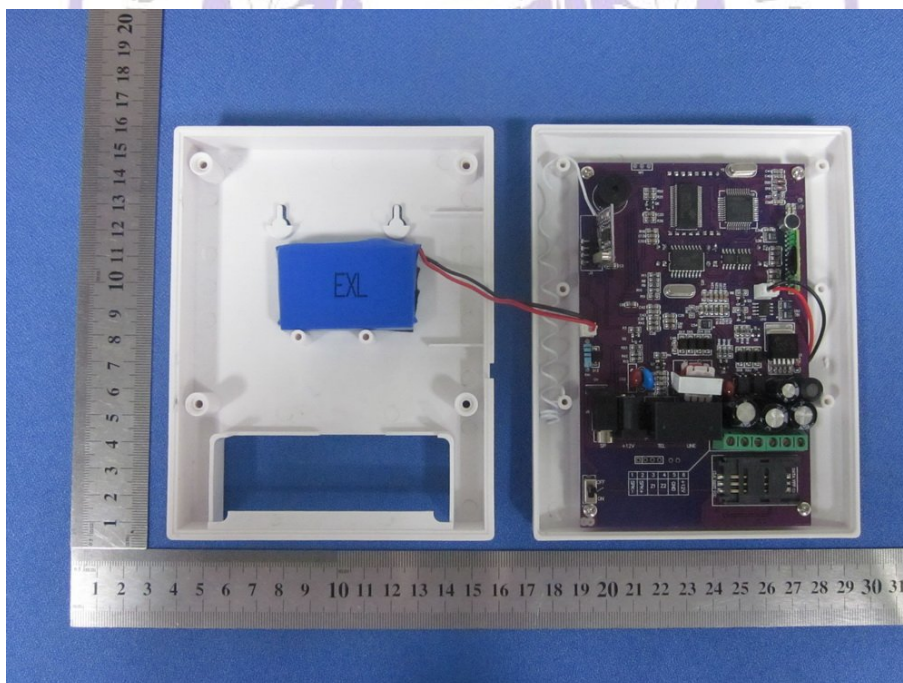
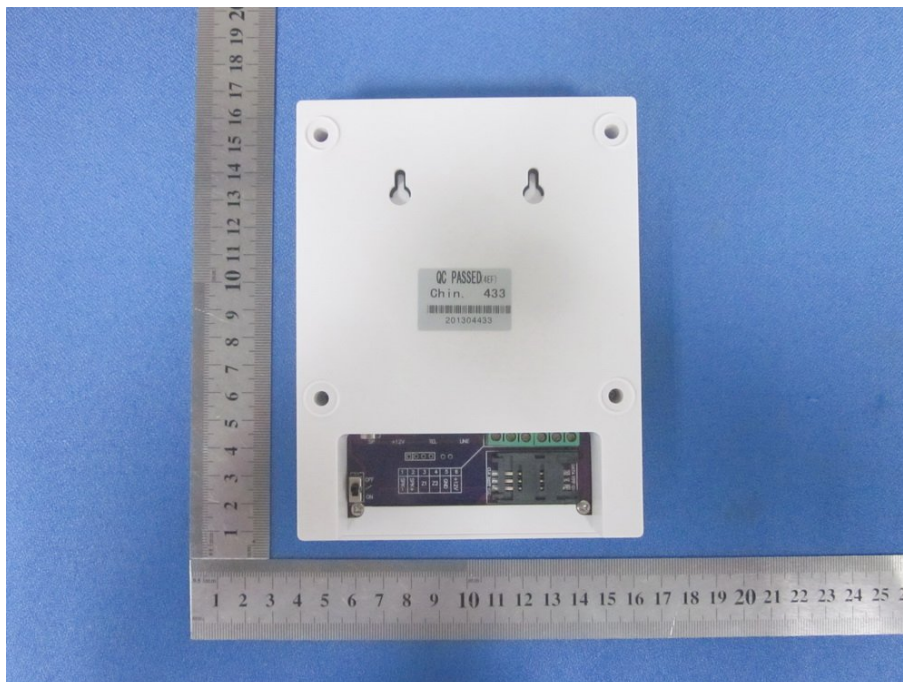


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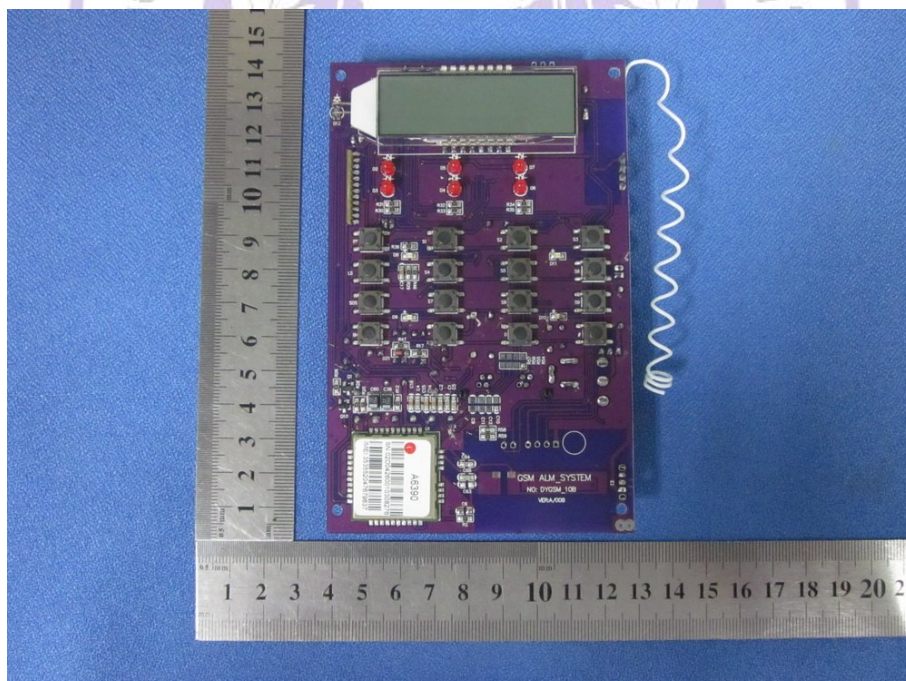
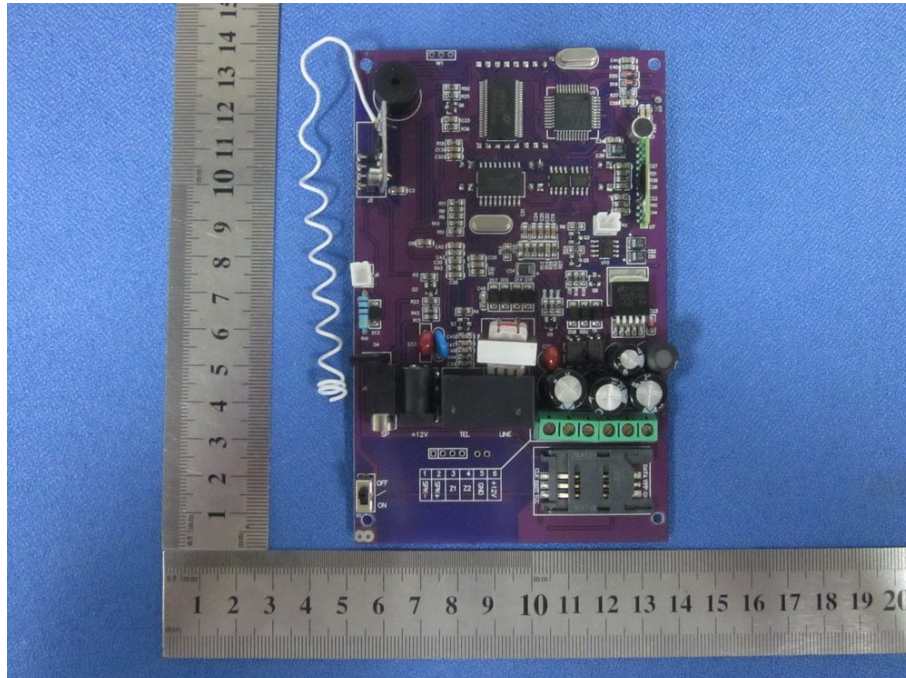


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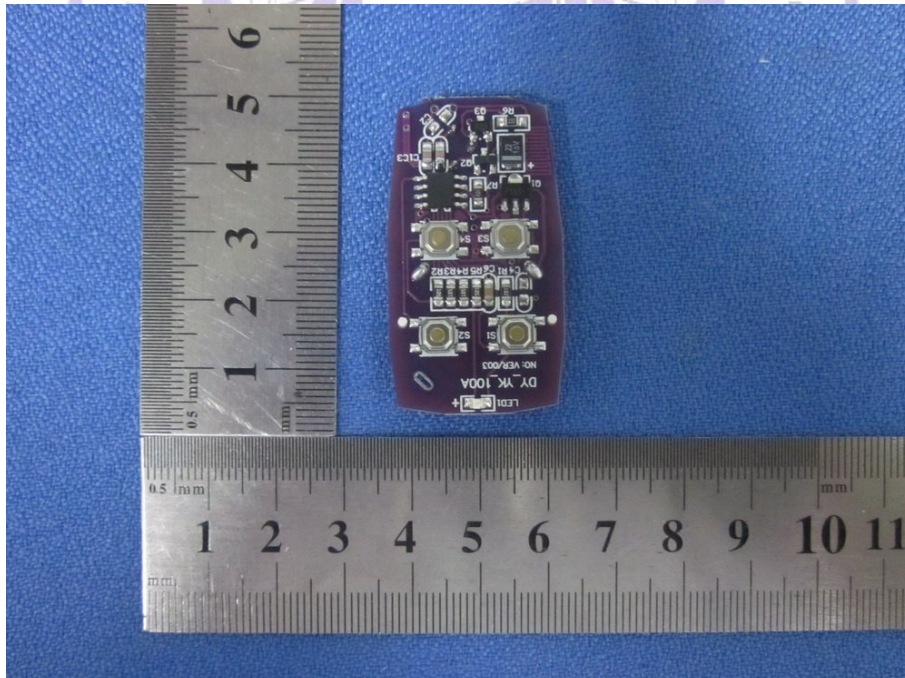


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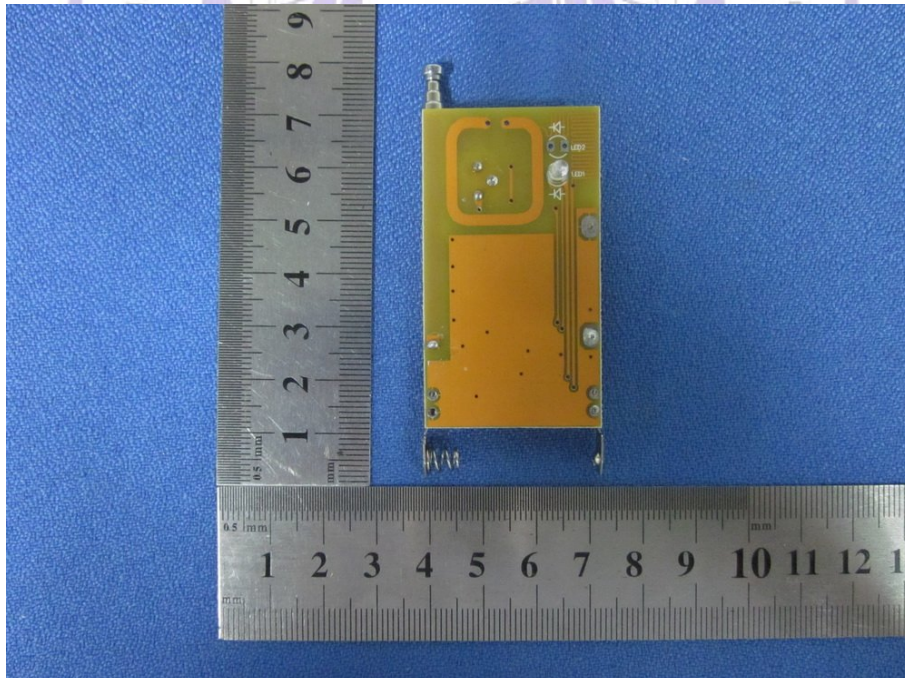
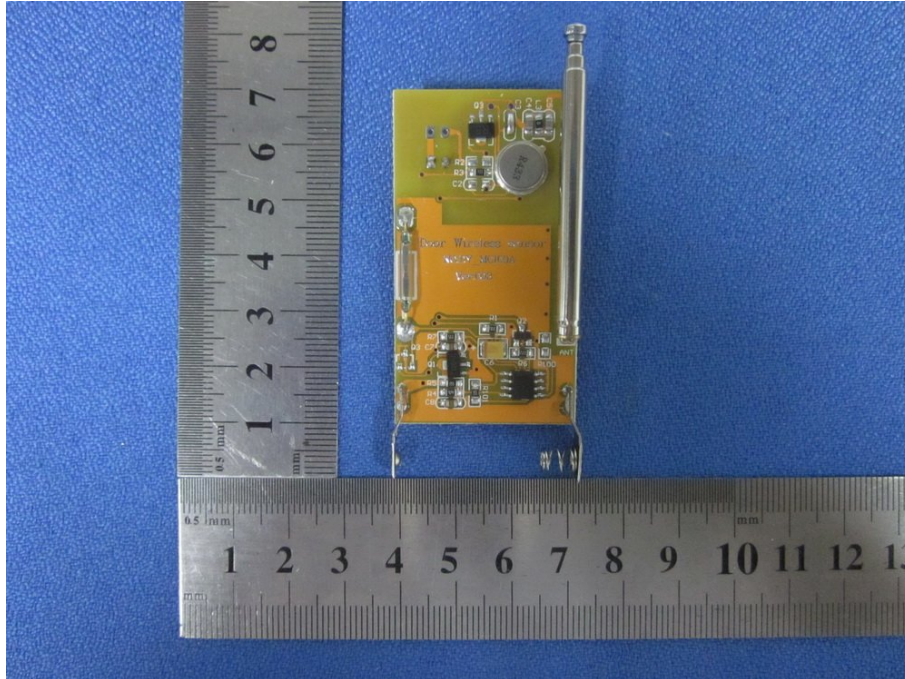


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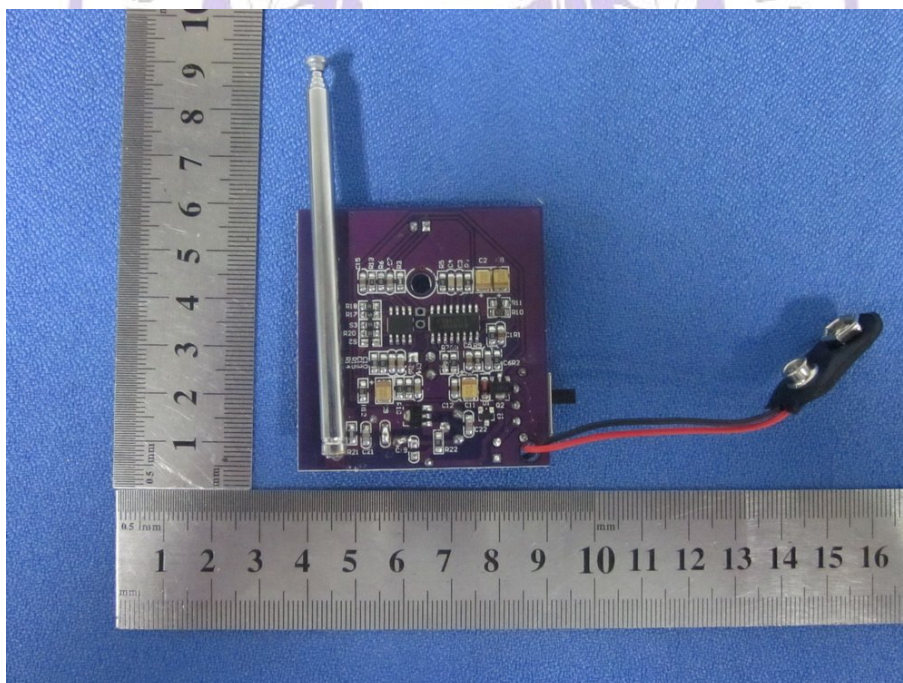
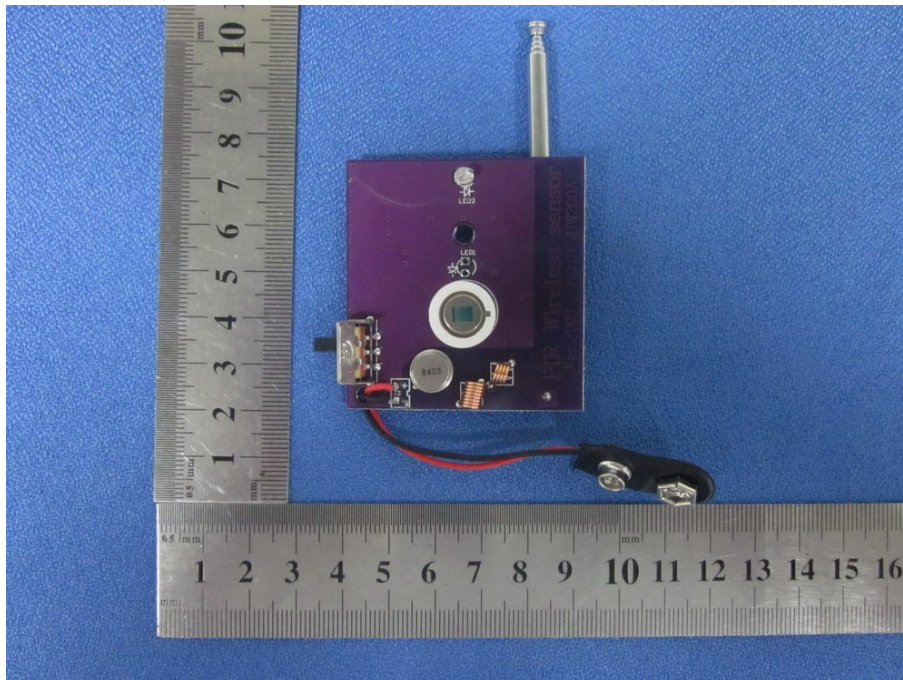


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**THE END**