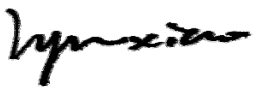
TEST REPORT

Report No.:	**E201510156977-4**	**Application No.:**	**E201510156977**
Applicant:	iSmart Alarm, Inc		
Applicant Address:	1290 Kifer Road, Suite 306 Sunnyvale, CA 94086 USA		
Sample Description:	SPOT		
Model:	iSC5		
Adding Model:	/		
FCC ID:	SENISC5		
Test Specification:	FCC Part 1.1310		
Test Date:	2015-10-20 to 2015-11-17		
Issue Date:	2015-11-18		
Test Result:	*PASS*		

Prepared By:	**Reviewed By:**	**Approved By:**
Brian Xiao / Test Engineer	Lynn Xiao /Technical Manager	Yong Dai /Technical Manager
		
Date:2015-11-18	Date:2015-11-18	Date:2015-11-18

Other Aspects:

/

Abbreviations: *ok / P = passed; fail / F = failed; n.a. / N = not applicable*

The test result in this test report refers exclusively to the presented test sample. This report shall not be reproduced except in full, without the written approval of GRGT.

RF Exposure Compliance Requirement

1. LIMITS

The EUT is a WIFI device. Frequency range is 2412~2462MHz.

According to FCC part §1.1310 and §Part 2.1091 (Mobile Devices) RF exposure is calculated.

Frequency Range(MHz)	Electric Field Stength(V/m)	Magnetic Field Stength(A/m)	Power Density (mW/cm²)	Averaging Time (minute)
Limits for General Population/Uncontrolled Exposure				
0.3-1.34	614	1.63	*(100)	30
1.34-30	824/f	2.19/f	*(180/f²)	30
30-300	27.5	0.073	0.2	30
300-1500	/	/	f/1500	30
1500-100,000	/	/	1.0	30

f=frequency in MHz

*=Plane-wave equivalent power density

2. Prediction of MPE limit at given distance, equations from OET Bulletin 65, Edition 97‐01:

$S = (1.64 * P * G) / (4 * \pi * R^2)$ (where PG = ERP)

$S = (P * G) / (4 * \pi * R^2)$ (where PG=EIRP) Where:

S = power density

P= power input to antenna

G= numeric gain of the antenna

R= distance to the center of radiation of the antenna

1. **802.11 B mode**

Prediction frequency (MHz): 2437

Maximum RF output power (ERP, dBm): 19.17

Maximum RF output power (ERP, mW): 82.60

MPE limit for uncontrolled exposure at predication frequency (mW/ cm²): 1

Prediction distance (cm) $R=\sqrt{\frac{P*G}{S*4*3.14}}$: 2.56cm

So the distance between the transmitter's radiating structure(s) and the body of the user or nearby persons is cannot less than 0.0256m.