

**Climax Technology Co Ltd**  
**No. 258, Sinhu 2nd Rd., Neihu District Taipei City 114 Taiwan**

Federal Communications Commission  
Authorization and Evaluation Division  
Equipment Authorization Branch  
7435 Oakland Mills Road  
Columbia, MD 21046

**Applicant's declaration concerning RF Radiation Exposure**

We hereby indicate that the product  
Product description: Smart Home Alarm System  
Model No: Z1

The equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. The integral antennas used for this transmitter must not be co-located or operating in conjunction with any other antenna or transmitter within the host device.

A safety statement concerning minimum separation distances from enclosure of the Product : Smart Home Alarm System will be integrated in the user's manual to provide end-users with transmitter operating conditions for satisfying RF exposure compliance.

The appropriate information can be drawn from the test report no: W6M21705-16865-C-1 and the accompanying calculations.

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Address: No. 258, Sinhu 2nd Rd., Neihu District Taipei City 114 Taiwan

Date: 2017-06-19

Signature

George Lin



Registration number: W6M21705-16865-C-1  
 FCC ID: GX9Z1

**3.2 Equivalent isotropic radiated power**

FCC Rule: 15.247(b)(3)

EIRP = max. conducted output power: 17.17 dBm  
 Limit: EIRP = +36 dBm for Antenna gain <6dBi

Test equipment used: ETSTW-RE 055

**3.3 RF Exposure Compliance Requirements**

FCC OET Bulletin 65 Edition 97.01 determines the equations for predicting RF fields and applicable limits.

The prediction for power density in the far-field but will over-predict power density in the near field, where it could be used for walking a “worst case” or conservative prediction.

$$S = \frac{PG}{4\pi R^2}$$

- S – Power Density
- P – Output power ERP
- R – Distance
- D – Cable Loss
- AG – Antenna Gain

Item	Unit	Value	Remarks
P	mW	52.1195	Peak value
D	dB	-	
AG	dBi	4.25	
G		2.6607	Calculated Value
R	cm	20	Assumed value
S	mW/cm <sup>2</sup>	0.0276	Calculated value

Limits:

Limit for General Population / Uncontrolled Exposure	
Frequency (MHz)	Power Density (mW/cm <sup>2</sup> )
1500 – 100.000	1.0