



BUREAU  
VERITAS

Test Report No.: FS160301N031

# RF EXPOSURE REPORT

Applicant	Smartx Network Technology (Shanghai) Co., Ltd
Address	Room 502-5, Building No. 23, No. 518, Xinzhuan Rd., Songjiang District, Shanghai, P.R. China

Manufacturer or Supplier	Shanghai Guangdian Feiyue Linghting Electronic CO., LTD.
Address	NO.329 Longgao Rd.Jiuting Songjiang Shanghai China
Product	LEO
Additioanl Product Name	GONDAR, RAZOR, PUCK
Brand Name	Galaxy ZEGA
Model	Z-1101
Additional Model & Model Difference	Z-1102, Z-1103, Z-1104
Date of tests	Mar. 01, 2016 ~ Mar. 24, 2016

☒ FCC Part 2 (Section 2.1091)

☒ KDB 447498 D01

☒ IEEE C95.1

**CONCLUSION:** The submitted sample was found to COMPLY with the test requirement

Tested by Heise Chen  
Project Engineer/ EMC Department

Approved by Chris Chen  
Manager/ EMC Department

Date: Mar. 24, 2016

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## RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FS160301N031	Original release	Mar. 24, 2016



## 1. CERTIFICATION

<b>FCC ID:</b>	2AGE5-ZEGA0002
<b>PRODUCT:</b>	LEO
<b>ADDITIONAL PRODUCT NAME:</b>	GONDAR, RAZOR, PUCK
<b>BRAND NAME:</b>	Galaxy ZEGA
<b>MODEL NO.:</b>	Z-1101
<b>ADDITIONAL NO.:</b>	Z-1102, Z-1103, Z-1104
<b>TEST SAMPLE:</b>	Engineering Sample
<b>APPLICANT:</b>	Smartx Network Technology (Shanghai) Co., Ltd
<b>STANDARDS:</b>	FCC Part 2 (Section 2.1091)
	KDB 447498 D01
	IEEE C95.1



## 2. RF EXPOSURE LIMIT

### LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE)

FREQUENCY RANGE (MHz)	ELECTRIC FIELD STRENGTH (V/m)	MAGNETIC FIELD STRENGTH (A/m)	POWER DENSITY (mW/cm <sup>2</sup> )	AVERAGE TIME (minutes)
LIMITS FOR GENERAL POPULATION / UNCONTROLLED EXPOSURE				
300-1500	...	...	F/1500	30
1500-100,000	...	...	1.0	30

F = Frequency in MHz

## 3. MPE CALCULATION FORMULA

$$P_d = (P_{out} * G) / (4 * \pi * r^2)$$

where

$P_d$  = power density in mW/cm<sup>2</sup>

$P_{out}$  = output power to antenna in mW

$G$  = gain of antenna in linear scale

$\pi$  = 3.1416

$R$  = distance between observation point and center of the radiator in cm

## 4. CLASSIFICATION

The antenna of this product, under normal use condition, is at least 20cm away from the body of the user. So, this device is classified as **Mobile Device**.

## 5. ANTENNA GAIN

The antennas is PCB antenna with 0dBi gain



## 6. CALCULATION RESULT OF MAXIMUM CONDUCTED POWER

FREQUENCY BAND (MHz)	MAX POWER (mW)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/cm <sup>2</sup> )	LIMIT (mW/cm <sup>2</sup> )
BT 2.4GHz	0.139	0	20	0.00003	1.0

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