



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, Xinzhan Rd., Songjiang District, Shanghai, P.R. China

Manufacturer or Supplier	Shanghai Guangdian Feiyue Lingting 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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Bureau Veritas Shenzhen Co., Ltd.
Dongguan Branch

No. 34, Chenwulu Section, Guantai Rd., Houjie
Town, Dongguan City,
Guangdong 523942, China

Tel: +86 769 8593 5656
Fax: +86 769 8593 1080
Email: customerservice.dg@cn.bureauveritas.com



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RELEASE CONTROL RECORD

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



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1. CERTIFICATION

FCC ID:	2AGE5-ZEGA0002
PRODUCT:	LEO
ADDITIONAL PRODUCT NAME:	GONDAR, RAZOR, PUCK
BRAND NAME:	Galaxy ZEGA
MODEL NO.:	Z-1101
ADDITIONAL NO.:	Z-1102, Z-1103, Z-1104
TEST SAMPLE:	Engineering Sample
APPLICANT:	Smartx Network Technology (Shanghai) Co., Ltd
STANDARDS:	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 ²)	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

$$Pd = (Pout \cdot G) / (4 \cdot \pi \cdot r^2)$$

where

Pd = power density in mW/cm²

Pout = 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



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6. CALCULATION RESULT OF MAXIMUM CONDUCTED POWER

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

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