



BUREAU  
VERITAS

Test Report No.: FS150109N009

## RF EXPOSURE REPORT

Applicant	Telitek Wireless Inc.
Address	1001 Denison Street Suite 202 Markham Ontario Canada L3R 2Z6



Manufacturer or Supplier	Telitek Wireless Inc.
Address	1001 Denison Street Suite 202 Markham Ontario Canada L3R 2Z6
Product	GPS Tracker
Brand Name	Telitek
Model	GMS50T
Additional Model & Model Difference	GMS50, Be different from the housing and model name
Date of tests	Jan. 09, 2015 ~ Feb. 09, 2015

☒ FCC Part 2 (Section 2.1091)

☒ FCC OET Bulletin 65, Supplement C (01-01)

☒ IEEE C95.1

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

Tested by Yuqiang Yin Project Engineer / EMC Department	Approved by Glyn He Supervisor / EMC Department
	  Date: Feb. 09, 2015

This report is for your exclusive use. Any copying or replication of this report to or for any other person or entity, or use of our name or trademark, is permitted only with our prior written permission. This report sets forth our findings solely with respect to the test samples identified herein. The results set forth in this report are not indicative or representative of the quality or characteristics of the lot from which a test sample was taken or any similar or identical product unless specifically and expressly noted. Our report includes all of the tests requested by you and the results thereof based upon the information that you provided to us. You have 60 days from date of issuance of this report to notify us of any material error or omission caused by our negligence, provided, however, that such notice shall be in writing and shall specifically address the issue you wish to raise. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents. Unless specific mention, the uncertainty of measurement has been explicitly taken into account to declare the compliance or non-compliance to the specification

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## **RELEASE CONTROL RECORD**

<b>ISSUE NO.</b>	<b>REASON FOR CHANGE</b>	<b>DATE ISSUED</b>
FS150109N009	Original release	Feb. 09, 2015

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## 1. CERTIFICATION

**FCC ID:** 2AD7A-1508

**PRODUCT:** GPS Tracker

**BRAND NAME:** Telitek

**MODEL NO.:** GMS50T

**TEST SAMPLE:** Engineering Sample

**APPLICANT:** Telitek Wireless Inc.

**TESTED DATE:** Feb. 09, 2015

**STANDARDS:** FCC Part 2 (Section 2.1091)

FCC OET Bulletin 65, Supplement C (01-01)

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 provided to the EUT, please refer to the following table:

Transmitter Circuit	Peak Gain (dBi)	Antenna Type
Chain 0	2.0	Fixed Internal antenna

## 6. CONDUCTED POWER

Band	GSM850			GSM1900		
Channel	128	190	251	512	661	810
Frequency	824.2	836.6	848.8	1850.2	1880.0	1909.8
GSM	31.09	31.17	31.21	28.20	28.09	28.24
GPRS 8	31.15	31.18	31.17	28.17	28.07	28.18
GPRS 10	30.13	30.24	30.26	27.06	26.87	27.08
GPRS 11	31.16	31.12	31.11	25.09	25.02	25.18
GPRS 12	30.23	30.21	30.25	24.28	24.35	24.20

## 7. 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> )
GSM850	1321.296	2.0	20	0.417	0.56
GSM1900	666.807	2.0	20	0.210	1.00

## Conclusion

Therefore device complies with FCC's RF radiation exposure limits for general population in mobile exposure category (distance > 20cm)

--- END ---