APPLICATION FOR VERIFICATION On Behalf of Payment Guardian Inc.

GPS Guardian
Model No.: GPSG01

Prepared for : Payment Guardian Inc.

Address : 29783 Evans Rd., Sun City, California 92586

Tel: (1) 800-675 1305 Fax: (1) 800-675 1305

Prepared By : Anbotek Compliance Laboratory Limited

Address : 2F, Langfeng Building, Kefa Road North, Hi-tech Industrial Park,

Nanshan District, Shenzhen 518057, China

Tel: (86) 755-26014771 Fax: (86) 755-26014720

Report Number : 200906678F

Date of Test : Jun. 08~12, 2009

Date of Report : Jun. 13, 2009

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TEST REPORT VERIFICATION

Applicant : Payment Guardian Inc.

Manufacturer : Shun Ying Enterprise

EUT : GPS Guardian

(A) MODEL NO.: GPSG01

(B) SERIAL NO.: N/A

(C) POWER SUPPLY: DC 5V via PC or Adapter;

DC 3.7V via Battery

(D) TRADE MARK: N/A

Measurement Procedure Used:

FCC Rules and Regulations Part 15 Subpart B 2007 & FCC / ANSI C63.4-2003

The device described above is tested by Anbotek Compliance Laboratory Limited To determine the maximum emission levels emanating from the device. The maximum emission levels are compared to the FCC Part 15 Subpart B Class B limits both radiated and conducted emissions. The measurement results are contained in this test report and Anbotek Compliance Laboratory Limited Is assumed full responsibility for the accuracy and completeness of these measurements. Also, this report shows that the Equipment Under Test (EUT) is to be technically compliant with the FCC requirements.

This report applies to above tested sample only. This report shall not be reproduced in part without written approval of Anbotek Compliance Laboratory Limited

Date of Test:	Jun. 08~12, 2009
	Jacky
Prepared by:	
	(Engineer)
	Coco
Reviewer:	
-	(Project Manager)
	Ait is
Approved & Authorized Signer:	
	(Manager)

1. GENERAL INFORMATION

1.1. Description of Device (EUT)

Description : GPS Guardian

Model Number : GPSG01

Test Power Supply : AC 120V, 60Hz

Applicant : Payment Guardian Inc.

Address : 29783 Evans Rd., Sun City, California 92586

Manufacturer : Shun Ying Enterprise

Address : Room 407, Yip Fung Ind. Bldg., 7 Sheung Hei St.,

San Po Kong, Kowloon, Hong Kong

Date of Sample received: Jun. 05, 2009

Date of Test : Jun. 08~12, 2009

1.2. Description of Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

CNAS - LAB Code: L3503

Anbotek Compliance Laboratory Limited., Laboratory has been assessed and in compliance with CNAS/CL01: 2006 accreditation criteria for testing laboratories (identical to ISO/IEC 17025:2005 General Requirements) for the Competence of Testing Laboratories.

FCC-Registration No.: 607248

Anbotek Compliance Laboratory Limited, EMC Laboratory has been registed and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Registration 607248, November 12, 2008.

IC-Registration No.: 8058A

Anbotek Compliance Laboratory Limited., EMC Laboratory has been registered and fully described in a report filed with the (IC) Industry Canada. The acceptance letter from the IC is maintained in our files. Registration 8058A, November 12, 2008.

Test Location

All Emissions tests were performed

Anbotek Compliance Laboratory Limited. at 2F, Langfeng Building, Kefa Road North, Hi-tech Industrial Park, Nanshan District, Shenzhen 518057, China

1.3. Measurement Uncertainty

Radiation Uncertainty : $Ur = \pm 4.26dB$

Conduction Uncertainty : $Uc = \pm 2.66dB$

2. POWER LINE CONDUCTED MEASUREMENT

2.1. Test Equipment

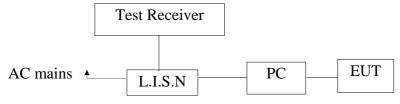
The following test equipments are used during the power line conducted measurement:

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	EMI Test Receiver	Rohde & Schwarz	ESPI	1101604	Jun. 21, 2008	1 Year
2.	Spectrum Analyzer	Agilent	E7405A	MY45114970	Jun. 21, 2008	1 Year
3.	Artificial Mains	Rohde & Schwarz	ENV216	100055	Jun. 21, 2008	1 Year
4.	CE Variac	QUANLI	TDGC2-5	N/A	N/A	N/A
5.	Coaxial cable	Anbotek	RG214-N-3	11066	Jun. 21, 2008	1 Year
6.	EMI Test Software	SHURPLE	N/A	N/A	N/A	N/A

2.2. Block Diagram of Test Setup

2.2.1. Block diagram of connection between the EUT and simulators

2.2.1.1 For Connect to PC Mode.



(EUT: GPS Guardian)

2.2.1.2 For Charging Mode (via AC/DC Adapter).

2.3. Power Line Conducted Emission Measurement Limits (FCC Part 15

Class B)

Frequency	Limits dB(μV)		
MHz	Quasi-peak Level	Average Level	
0.15 ~ 0.50	66 ~ 56*	56 ~ 46*	
0.50 ~ 5.00	56	46	
5.00 ~ 30.00	60	50	

Notes: 1. *Decreasing linearly with logarithm of frequency.

2. The lower limit shall apply at the transition frequencies.

2.4. Configuration of EUT on Measurement

The following equipments are installed on Power Line Conducted Emission Measurement to meet the commission requirement and operating regulations in a manner which tends to maximize its emission characteristics in a normal application.

EUT : GPS Guardian

Model Number : GPSG01

Applicant : Payment Guardian Inc.

2.5. Operating Condition of EUT

- 2.5.1. Setup the EUT and simulator as shown as Section 2.2.
- 2.5.2. Turn on the power of all equipment.
- 2.5.3. Let the EUT work in test mode (Connect to PC / Charging(via AC/DC Adapter)) and measure it.

2.6. Test Procedure

The EUT system is connected to the power mains through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm coupling impedance for the EUT system. Please refer the block diagram of the test setup and photographs. Both sides of AC line are checked to find out the maximum conducted emission. In order to find the maximum emission levels, the relative positions of equipment and all of the interface cables shall be changed according to FCC ANSI C63.4-2003 on Conducted Emission Measurement.

The bandwidth of test receiver (E7405A) set at 9KHz.

The frequency range from 150KHz to 30MHz is checked.

The test results are reported on Section 2.7.

2.7. Power Line Conducted Emission Measurement Results **PASS.**

The frequency range from 150KHz to 30 MHz is investigated.

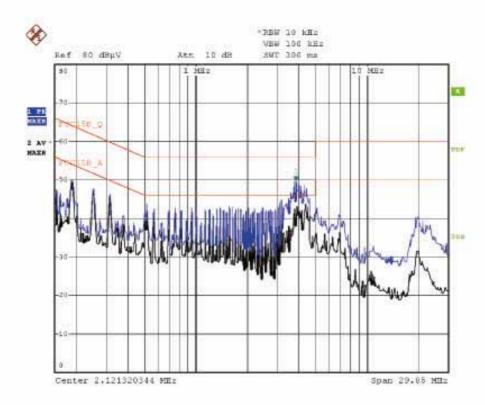
The test curves please refer the following pages.

EUT: GPS Guardian Op Cond: Connect to PC

M/N: GPSG01

Test Spec: L Comment: AC 120V/60Hz

Data: 2009-06-09



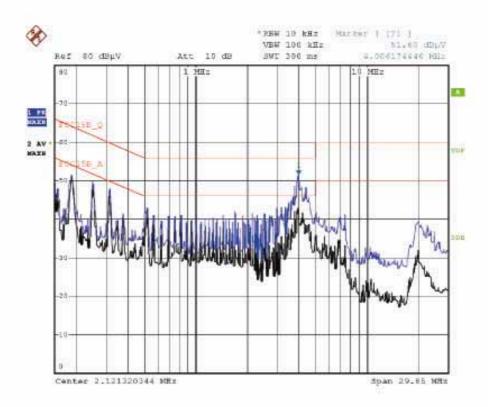
Frequency (MHz)	Reading Level (dBµV)	Limit (dBµV)	Over limit (dB)	
3.880	42.2	56.0	-13.8	QP
3.880	34.0	46.0	-12.0	AV

EUT: GPS Guardian

M/N: GPSG01

Op Cond: Connect to PC Test Spec: N

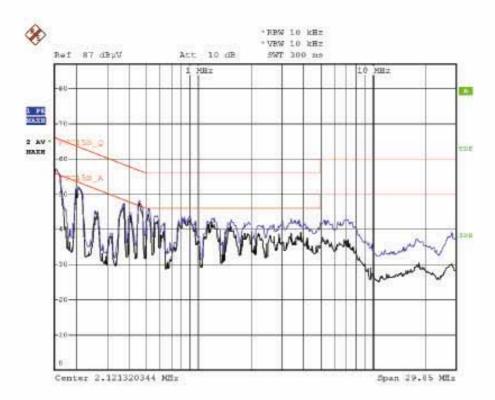
Comment: AC 120V/60Hz Data: 2009-06-09



Frequency (MHz)	Reading Level (dBµV)	Limit (dBµV)	Over limit (dB)	
4.007	42.5	56.0	-13.5	QP
4.007	35.4	46.0	-10.6	AV

EUT: GPS Guardian M/N: GPSG01 Op Cond: Charge via AC/DC Adapter

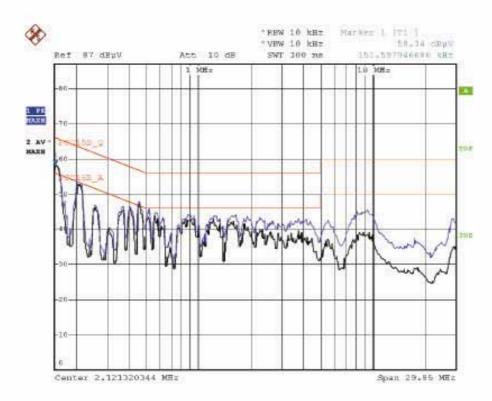
Test Spec: L Comment: AC 120V/60Hz Data: 2009-06-09



Frequency (MHz)	Reading Level (dBµV)	Limit (dBµV)	Over limit (dB)	
0.151	53,40	65.94	-12.54	QP
0.151	38.10	55.94	-17.84	AV
0.461	45.00	56.67	-11.67	QP
0.461	35.20	46.67	-11,47	AV

EUT: GPS Guardian M/N: GPS Op Cond: Charge via AC/DC Adapter M/N: GPSG01

Test Spec: N Comment: AC 120V/60Hz Data: 2009-06-09



Frequency (MHz)	Reading Level (dBμV)	Limit (dBµV)	Over limit (dB)	
0.153	55.00	65.84	-10.84	QP
0.153	38.50	55.84	-17.34	AV
0.211	49.70	63.17	-13.47	QP
0.211	39.50	53.17	-13.67	AV
0.456	44.10	56.77	-12.67	QP
0.456	32.00	46.77	-14.77	AV

3. RADIATED EMISSION MEASUREMENT

3.1. Test Equipment

The following test equipments are used during the radiated emission measurement:

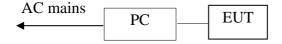
3.1.1. For Anechoic Chamber

Item		Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Trilog Broadband Antenna	SCHWARZBECK	VULB9163	345	Mar. 21, 2008	1 Year
2.	Spectrum Analyzer	Agilent	E7405A	MY45114970	Jun. 21, 2008	1 Year
3.	EMI Test Receiver	Rohde & Schwarz	ESPI	1101604	Jun. 21, 2008	1 Year
4.	EMI Test Software	Shurple	N/A	N/A	N/A	N/A
5.	Coaxial cable	Anbotek	RG214-N- 8	11065	Jun. 21, 2008	1 Year
6.	PC	N/A	486DX2	N/A	N/A	N/A

3.2. Block Diagram of Test Setup

3.2.1. Block diagram of connection between the EUT and simulators

3.2.1.1. For Connect to PC Mode.

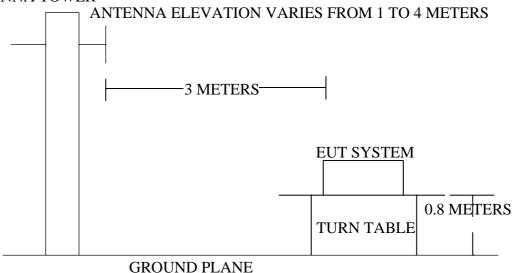


(EUT: GPS Guardian)

- 3.2.1.2. For Charging(via AC/DC Adapter) Mode.
- 3.2.1.3. For Charging(via DC/DC Adapter) Mode.
- 3.2.1.4. For On Mode.

3.2.2. Anechoic Chamber Test Setup Diagram

ANTENNA TOWER



(EUT: GPS Guardian)

3.3.	Radiated Emission l	Limit (Sub	part B Class B)

FREQUENCY	DISTANCE	FIELD STRENGTHS LIMIT		
MHz	Meters	μV/m	$dB(\mu V)/m$	
30~88	3	100	40.0	
88~216	3	150	43.5	
216~960	3	200	46.0	
960~1000	3	500	54.0	

Remark: (1) Emission level (dB) μ V = 20 log Emission level μ V/m

- (2) The smaller limit shall apply at the cross point between two frequency bands.
- (3) Distance is the distance in meters between the measuring instrument, antenna and the closest point of any part of the device or system.

3.4. EUT Configuration on Measurement

The following equipments are installed on Radiated Emission Measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

EUT : GPS Guardian

Model Number : GPSG01

Applicant : Payment Guardian Inc.

3.5. Operating Condition of EUT

- 3.5.1. Setup the EUT as shown in Section 3.2.
- 3.5.2. Let the EUT work in test mode (Connect to PC / Charging(via AC/DC Adapter)/ Charging(via DC/DC Adapter) / On) and measure it.

3.6. Test Procedure

EUT and its simulators are placed on a turn table, which is 0.8 meter high above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. EUT is set 3.0 meters away from the receiving antenna, which is mounted on a antenna tower. The antenna can be moved up and down between 1.0 meter and 4 meters to find out the maximum emission level. Broadband antenna (Trilog Broadband Antenna) is used as receiving antenna. Both horizontal and vertical polarizations of the antenna are set on measurement. In order to find the maximum emission levels, all of the interface cables must be manipulated according to ANSI C63.4-2003 on radiated emission measurement.

The bandwidth of the EMI test receiver (E7405A) is set at 120kHz.

The frequency range from 30MHz to 1000MHz is checked.

The test mode (On) is tested in chamber and all the test results are listed in Section 3.7.

3.7. Radiated Emission Measurement Results

PASS.

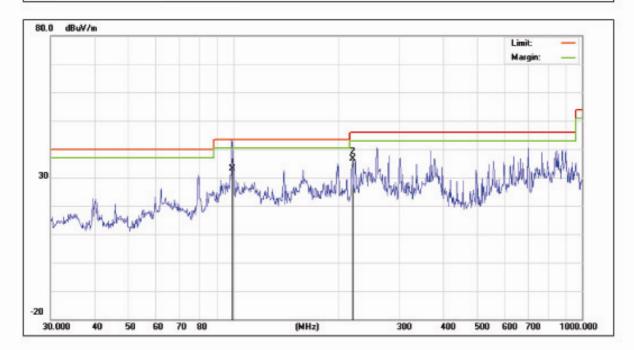
The test curves please refer the following pages.



Tel (86)755- 26014755 Fax: (86)755-26014720 Http://www.anbotek.com

Job No.: AT0906618F Polarziation: Horizontal Standard: FCC Class B 3M Radiation Power Source: AC 120V, 60Hz 2009/06/10 Test item: Radiation Test Date: Temp.(C)/Hum.(%RH): 25(C)/56%RH Time: 15:21:22 EUT: **GPS** Guardian Test By: Jacky GPSG01 Model: Distance: 3m

Connect to PC Note:



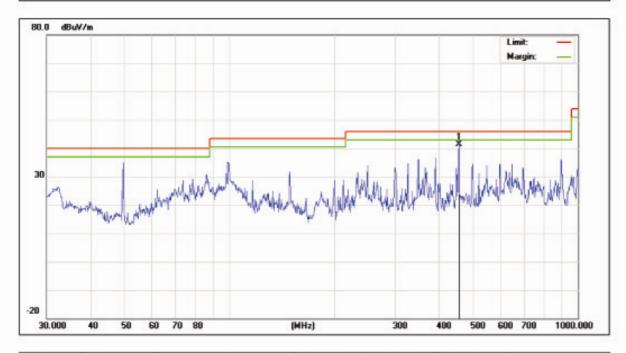
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	Factor(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	99.3140	60.45	-27.34	33.11	43.50	-10.39	QP
2	219.2599	65.36	-28.74	36.62	46.00	-9.38	QP



Tel (86)755- 26014755 Fax: (86)755-26014720 Http://www.anbotek.com

Job No.: AT0906618F Polarziation: Vertical Standard: FCC Class B 3M Radiation Power Source: AC 120V, 60Hz 2009/06/10 Test item: Radiation Test Date: Temp.(C)/Hum.(%RH): 25(C)/56%RH Time: 15:01:10 EUT: **GPS** Guardian Test By: Jacky GPSG01 Model: Distance: 3m

Connect to PC Note:



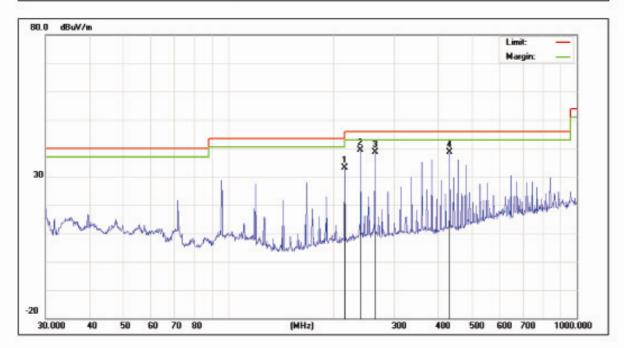
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	Factor(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	454.8808	65.21	-23.84	41.37	46.00	-4.63	QP



Tel (86)755- 26014755 Fax: (86)755-26014720 Http://www.anbotek.com

Job No.: AT0906618F Polarziation: Horizontal Standard: FCC Class B 3M Radiation Power Source: AC 120V, 60Hz 2009/06/10 Test item: Radiation Test Date: Temp.(C)/Hum.(%RH): 25(C)/56%RH Time: 14:17:05 EUT: **GPS** Guardian Test By: Jacky GPSG01 Model: Distance: 3m

Charge via AC/DC Adapter Note:



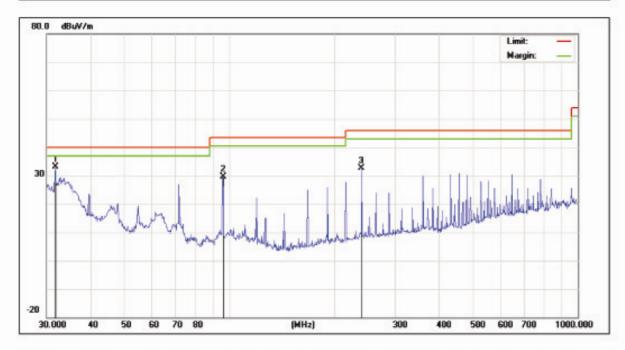
No.	Frequency	Reading	Correct	Result	Limit (dBuV/m)	Margin (dB)	Remark
	(MHz)	(dBuV/m)	Factor(dB)	(dBuV/m)			
1	215.7939	61.87	-28.86	33.01	43.50	-10.49	QP
2	239.7624	67.25	-27.83	39.42	46.00	-6.58	QP
3	263.7485	66.30	-27.70	38.60	46.00	-7.40	QP
4	431.5868	62.72	-24.20	38.52	46.00	-7.48	QP



Tel (86)755- 26014755 Fax: (86)755-26014720 Http://www.anbotek.com

Job No.: AT0906618F Polarziation: Vertical Standard: FCC Class B 3M Radiation Power Source: AC 120V, 60Hz 2009/06/10 Test item: Radiation Test Date: Temp.(C)/Hum.(%RH): 25(C)/56%RH Time: 14:28:58 EUT: **GPS** Guardian Test By: Jacky GPSG01 Model: Distance: 3m

Charge via AC/DC Adapter Note:



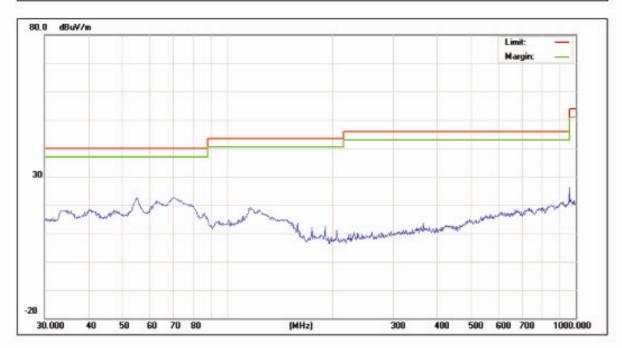
No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
2	95.9058	56.99	-27.45	29.54	43.50	-13.96	QP
3	239.7942	60.54	-27.83	32.71	46.00	-13.29	QP



Tel (86)755- 26014755 Fax: (86)755-26014720 Http://www.anbotek.com

Job No.: AT0906618F Polarziation: Horizontal Standard: FCC Class B 3M Radiation Power Source: DC 12V Battery 2009/06/10 Test item: Radiation Test Date: Temp.(C)/Hum.(%RH): 25(C)/56%RH Time: 15:11:33 Jacky EUT: **GPS** Guardian Test By: GPSG01 Model: Distance: 3m

Charge via DC/DC Adapter Note:



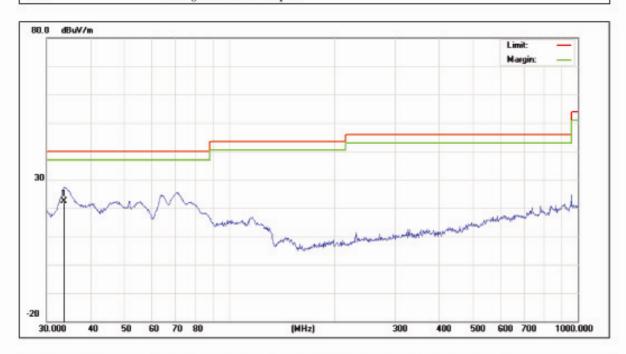
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	Factor(dB)	(dBuV/m)	(dBuV/m)	(dB)	3



Tel (86)755- 26014755 Fax: (86)755-26014720 Http://www.anbotek.com

AT0906618F Job No.: Polarziation: Vertical Standard: FCC Class B 3M Radiation Power Source: DC 12V 2009/06/10 Test item: Radiation Test Date: Temp.(C)/Hum.(%RH): 25(C)/56%RH Time: 15:06:54 EUT: **GPS** Guardian Test By: Jacky Model: GPSG01 Distance: 3m

Charge via DC/DC Adapter Note:



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	Factor(dB)	(dBuV/m)	(dBuV/m)	(dB)	81
1	33.5194	49.85	-27.47	22.38	40.00	-17.62	QP



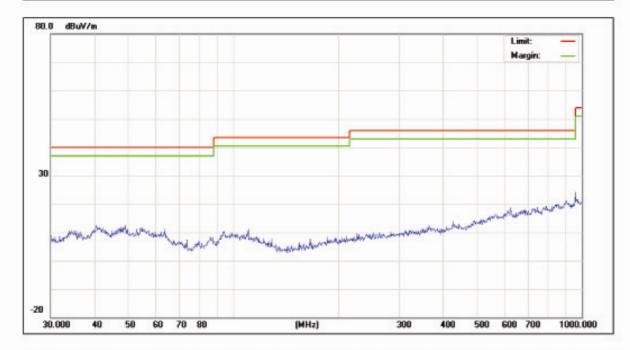
Tel (86)755- 26014755 Fax: (86)755-26014720 Http://www.anbotek.com

Job No.: AT0906618F Polarziation: Horizontal

Standard: FCC Class B 3M Radiation Power Source: DC 3.7V via Battery

2009/06/10 Test item: Radiation Test Date: Temp.(C)/Hum.(%RH): 25(C)/56%RH Time: 14:39:48 EUT: **GPS** Guardian Test By: Jacky GPSG01 Model: Distance: 3m

ON Note:



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
0	(MHz)	(dBuV/m)	Factor(dB)	(dBuV/m)	(dBuV/m)	(dB)	3



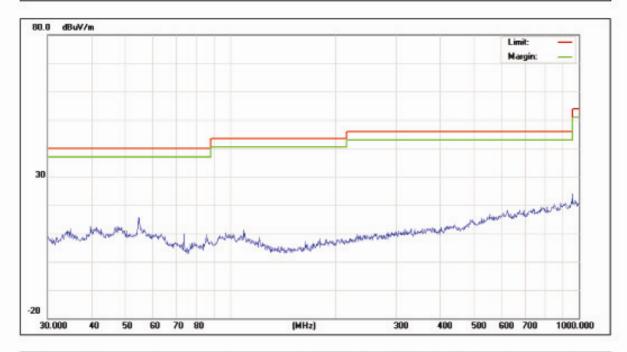
Tel (86)755- 26014755 Fax: (86)755-26014720 Http://www.anbotek.com

AT0906618F Job No.: Polarziation: Vertical

Standard: FCC Class B 3M Radiation Power Source: DC 3.7V via Battery

2009/06/10 Test item: Radiation Test Date: Temp.(C)/Hum.(%RH): 25(C)/56%RH Time: 14:38:06 EUT: **GPS** Guardian Test By: Jacky GPSG01 Model: Distance: 3m

ON Note:



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
0	(MHz)	(dBuV/m)	Factor(dB)	(dBuV/m)	(dBuV/m)	(dB)	3