RF Exposure Evaluation Declaration

Product Name : GPS Locator Model No. : GV55 FCC ID : YQD-GV55

Applicant : Queclink Wireless Solutions Co., Ltd

Address : Room 501, Building 9, No 99, TianZhou Road, Shanghai, China

Date of Receipt : 30/07/2012 Issued Date : 09/08/2012 Report No. : UL126F2202 Report Version : V1.0

The test results relate only to the samples tested.

The test results shown in the test report are traceable to the national/international standard through the calibration of the equipment and evaluated measurement uncertainty herein.

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Unilab

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Test Result : Complied

Performed Location : Unilab (Shanghai) Co.,Ltd.

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1. RF Exposure Evaluation

1.1. Limits

According to FCC 1.1310: The criteria listed in the following table shall be used to evaluate the environment impact of human exposure to radio frequency (RF) radiation as specified in 1.1307(b)

LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE)

Frequency Range (MHz)	Electric Field Strength (V/m)	Magnetic Field Strength (A/m)	Power Density (mW/cm2)	Average Time (Minutes)			
(A) Limits for Occupational/ Control Exposures							
300-1500			F/300	6			
1500-100,000			5	6			
(B) Limits for General Population/ Uncontrolled Exposures							
300-1500			F/1500	6			
1500-100,000			1	30			

F= Frequency in MHz

Friis Formula Friis transmission formula: $Pd = (Pout^{*}G)/(4^{*}pi^{*}r^{2})$

Where Pd = power density in mW/cm2 Pout = output power to antenna in mW G = gain of antenna in linear scale Pi = 3.1416R = distance between observation point and center of the radiator in cm

Pd id the limit of MPE, 1 mW/cm2. If we know the maximum gain of the antenna and the total

power input to the antenna, through the calculation, we will know the distance r where the

MPE limit is reached.

1.2. Test Procedure

Software provided by client enabled the EUT to transmit and receive data at lowest, middle and highest channel individually.

The temperature and related humidity: 25°C and 62% RH.

1.3. Test Result of RF Exposure Evaluation

Product	:	GPS Locator	
Test Item	:	RF Exposure Evaluation	
Test Site	:	FACT-3	

Antenna Gain:

Antenna Gain: The maximum Gain measured in fully anechoic chamber is -3dBi for 824~894MHz band; -1dBi for 1850~1990MHz band.

Output Power into Antenna & RF Exposure Evaluation Distance:

Test Mode	Frequency Band (MHz)	Maximum Output Power to Antenna (mW)	Power Density at R = 20 cm (mW/cm2)	Limit Power Density (mW/cm2)
GSM850	824~849	1832.314	0.1827	0.55
PCS1900	1850~1910	1037.528	0.1640	1

END OF THE REPORT