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RF Exposure Exhibit

Application No.:	SZEMO071203569RF
Applicant:	Vocentrix(HK)Limited
FCC ID	VUY1048B
Equipment Under Test (EUT):	
EUT Name:	Baby monitor
Model:	08280
Date of Receipt:	10 December 2007
Date of Test:	11 December 2007
Date of Issue:	14 December 2007
Test Result :	**PASS***

* In the configuration tested, the EUT complied with the standards specified above.

Robinson Lo
Laboratory Manager

The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report.
If the product in this report is used in any configuration other than that detailed in the report, the manufacturer must ensure the new system complies with all relevant standards. Any mention of SGS International Electrical Approvals or testing done by SGS International Electrical Approvals in connection with, distribution or use of the product described in this report must be approved by SGS International Electrical Approvals in writing.
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2 RF Exposure Evaluation

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 OFR 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*r²)

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

Pd id the limit of MPE, 1mW/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.

Test Procedure

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

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Test Result of RF Exposure Evaluation

Date of Test	2007-12-05	Temperature	25 deg/C
EUT	Broadband Router	Humidity	52%RH

Antenna Gain

Antenna Gain: The maximum Gain measured in fully anechoic chamber is 0dBi or 1.00 in linear scale.

Output Power Into Antenna & RF Exposure Evaluation Distance:

Channel No.	Frequency (MHz)	Output Power to Antenna (mW)	Power Density at R = 20 cm (mW/cm²)
1	2410.00	9.55	0.0019
6	2440.00	5.62	0.0011
11	2470.00	4.17	0.0008

The power density Pd (4th column) at a distance of 20 cm calculated from the Friis transmission formula is far below the limit of 1mW/cm².

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