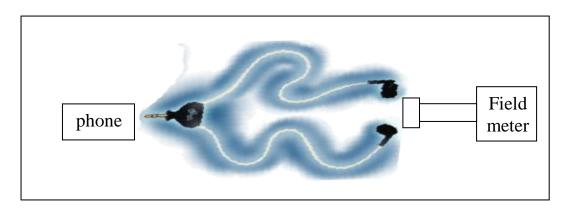
General Information.

Applicant:	Smart&Safe Ltd.
Applicant Address:	2 nd Yohanan hasandlar St. Kfar Saba, 44426,
Telephone:	Israel 972-72-2500290
Fax:	972-9-7654264
Email:	
The testing was observed by the following applicant's personnel:	Mr. Omer Wax
Dates of testing:	November 2012
Test Laboratory Location:	
E-Mail:	
Web:	
Equipment Under Test (EUT):	Radiation reducing Earpices See clause 4
	Radiation blocking products See clause 5

Test Summary and Results

1. Earpieces efficiency for several types of phones

1.1. Tested configuration



1.2. Test results

1.2.1. "Apple iPhone 3GS"

	<u>Base – 1cm</u>		<u>Earpiece</u>	
	Ring	Call	Ring	Call
Door	1.5 V/M	2 V/M	0.1 V/M	0.5 V/M
Open	Ring	Call	Ring	Call
	$1 \mu W/cm^2$	$0.3 \mu\text{W/cm}^2$	$0.1 \mu\text{W/cm}^2$	$0.3 \mu\text{W/cm}^2$
	Ring	Call	Ring	Call
Door	20.6 V/M	40.6 V/M	1.3 V/M	1.5 V/M
Closed	Ring	Call	Ring	Call
	$96.7\mu\text{W/cm}^2$	$114.7\mu\text{W/cm}^2$	$0.2 \mu\text{W/cm}^2$	$0.1 \mu \text{W/cm}^2$

Conclusion: The earpiece screen the radiation significantly.

1.2.2. "Samsung Galaxy S1"

	Base – 1cm		<u>Earpiece</u>	
Door	Ring 1.2V/M	Call 2 V/M	Ring 0.4 V/M	Call 0.8 V/M
Open	Ring 0.2 μW/cm ²	Call 0.5 μW/cm ²	Ring 0.1 μW/cm ²	Call 0.2 μW/cm ²
Door	Ring 5.7 V/M	Call 3.1 V/M	Ring 0.5 V/M	Call 1.5 V/M
Closed	Ring 0.9 μW/cm ²	Call 0.7 μW/cm ²	Ring 0.1 μW/cm ²	Call 0.4 μW/cm ²

Conclusion: The earpiece screen the radiation significantly.

1.2.3. "Nokia 2330"

	Base – 1cm		<u>Earpiece</u>	
	Ring	Call	Ring	Call
Door	14.3 V/M	1.3 V/M	2.4 V/M	2.2 V/M
Open	Ring	Call	Ring	Call
	$57 \mu \text{W/cm}^2$	$10.2 \mu\text{W/cm}^2$	$1.6 \mu\text{W/cm}^2$	$0.6 \mu\mathrm{W/cm^2}$
	Ring	Call	Ring	Call
Door	14.1 V/M	8.5 V/M	2.2 V/M	1.5 V/M
Closed	Ring	Call	Ring	Call
	$62.8\mu\text{W/cm}^2$	$12.4 \mu\text{W/cm}^2$	$2.3 \mu W/cm^2$	$1.3 \mu\text{W/cm}^2$

Conclusion: The earpiece screen the radiation significantly.

1.2.4. "Blackberry Bold 9000"

	Base – 1cm		<u>Earpiece</u>	
Door	Ring	Call	Ring	Call
	9.8 V/M	6.3 V/M	2.4 V/M	0.6 V/M
Open	Ring 14.8µW/cm ²	Call 21.3µW/cm ²	Ring 0.7 μW/cm ²	Call 0.9 µW/cm ²
Door	Ring	Call	Ring	Call
	28.9 V/M	40.3 V/M	2.4 V/M	2.1 V/M
Closed	Ring	Call	Ring	Call
	198.5µW/cm ²	187.3µW/cm²	1.2 μW/cm ²	1.3 μW/cm ²

Conclusion: The earpiece screen the radiation significantly.

1.2.5. "LG VX-8300"

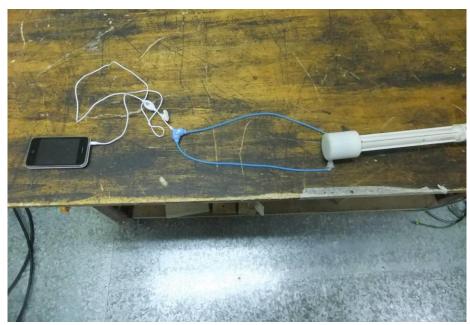
	Base – 1cm		<u>Earpiece</u>	
	Ring	Call	Ring	Call
Door	1.2V/M	0.3 V/M	0.7 V/M	1.8 V/M
Open	Ring	Call	Ring	Call
	$28.2\mu\text{W/cm}^2$	$0.2 \mu\text{W/cm}^2$	$0.1 \mu\text{W/cm}^2$	$0.4 \mu\mathrm{W/cm^2}$
	Ring	Call	Ring	Call
Door	10.3 V/M	5.7 V/M	1.8 V/M	1.5 V/M
Closed	Ring	Call	Ring	Call
	$10.1\mu\text{W/cm}^2$	$3.6 \mu\text{W/cm}^2$	$2.4 \mu\text{W/cm}^2$	$0.6 \mu\mathrm{W/cm^2}$

Conclusion: The earpiece screen the radiation significantly.

1.3. Equipment used:

No.	Description	Manufacturer and Model Number	Series No.
1	Field strength meter	Chauvin Arnoux Model C.A. 43 + EF2A	142553TEV
		probe	

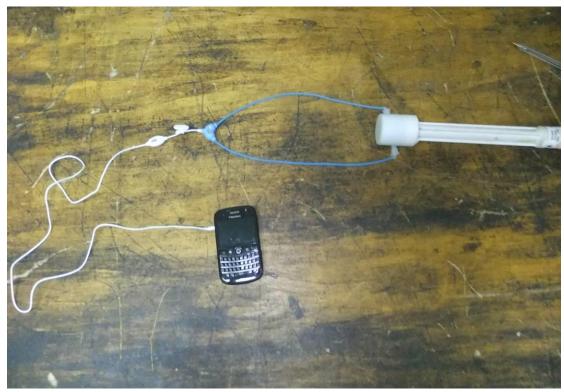
1.4. <u>Pictures</u>:



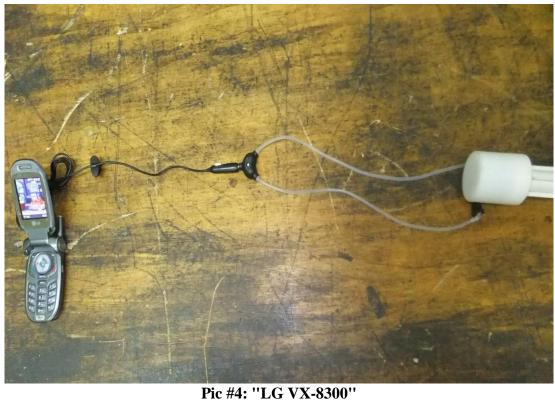
Pic #1: "Apple iPhone 3GS"



Pic #2: "Samsung Galaxy S1"

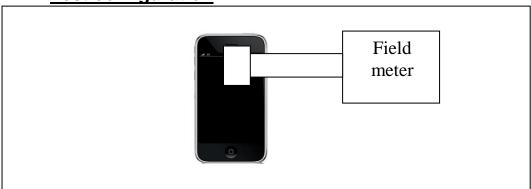


Pic #3: "Blackberry Bold 9000"



2. Radiation blocking products efficiency

2.1. Test configuration



The phone was covered with each of the blocking products.

2.2.Blutooth Earpiece

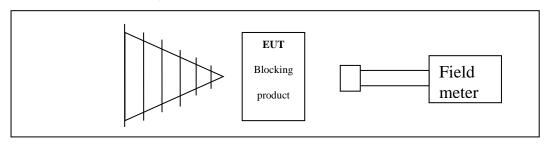
	"Samsung Galaxy S1"		"Apple iPhone 3GS"	
	Ring	Call	Ring	Call
Door	0.3 V/M	0.3 V/M	0.5 V/M	0.4 V/M
Open	Ring	Call	Ring	Call
	$0.1 \mu\text{W/cm}^2$	$0.1 \mu\text{W/cm}^2$	$0.3 \mu \text{W/cm}^2$	$0.2 \mu\text{W/cm}^2$
	Ring	Call	Ring	Call
Door	0.4 V/M	0.2 V/M	0.7 V/M	0.3 V/M
Closed	Ring	Call	Ring	Call
	$0.5 \mu\mathrm{W/cm^2}$	$0.3 \mu\text{W/cm}^2$	$0.9 \mu\text{W/cm}^2$	$0.8 \mu\text{W/cm}^2$

Conclusion: The blutooth earpiece screen the radiation significantly.

^{*}The distance between the earpiece and the phone has no effect on the results.

Radiation blocking products efficiency in GSM broadcasting

2.2. Test configuration



2.3. **Equipment used:**

No.	Description	Manufacturer and Model Number	Series No.
1	Field strength meter	Chauvin Arnoux Model C.A. 43 + EF2A probe	142553TEV
2	Signal generator	Agilent E4438C CFG184	MY49071362
3	20MHz-1GHz RF power amplifier 40W	GTS GRF 5027	1780
4	1GHz-3GHz RF power amplifier 30W	Ophir 5172F	1050
5	Antenna	AEL APN101B	909