

## Executive Summary

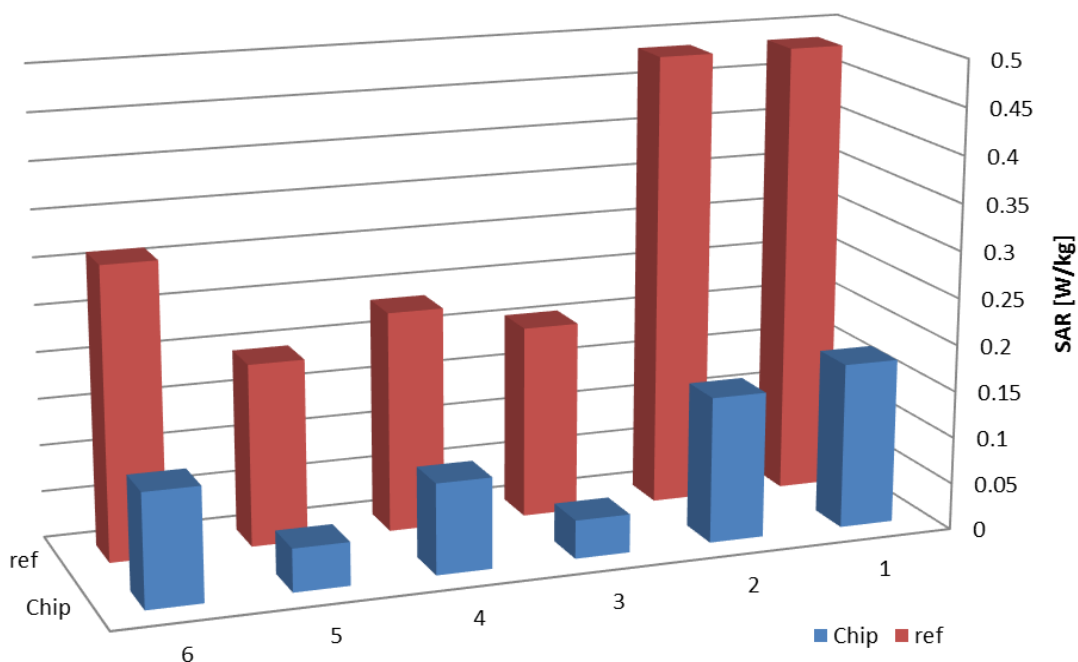
### Testing Bodywell Chip and Cellular Radiation Absorption Reduction

The Bodywell Chip is a newly developed technology device which is proven to reduce the specific absorption of cellular radiation into the brain. The Chip is designed as a discreet sticker placed on the back of the phone.

In order to demonstrate the capability of the Chip, measurements were conducted in the reputable 'RF Exposure Lab' (<http://www.rfexposurelab.com>) in accordance with FCC regulations (Certificate # 2387.01). Full reports (65 pages for each measurement) are available for the professional reader.

The scientific parameter that describes the radiation absorption in the head is known as Specific Absorption Rate (SAR) and is measured in Watts per kilogram (W/kg). In the experiments, the SAR was measured using different phones, including the Apple iPhone 5 and Samsung Galaxy S3. The Bodywell Chip is then attached to the tested phones and the measurement is repeated. The difference between the two measurements is then presented as the reduction obtained by the chip. Summary of the results are as follows:

### comparison of a reference phone to a phone with Bodywell chip: 60% - 80% reduction



Additional details are presented in the following table:

#	Ref	Chip	Reduction	Frequency	Modulation	Phone
1	0.485	0.177	-63.5%	836MHz	CDMA	iPhone5
2	0.485	0.156	-67.8%	836MHz	CDMA	iPhone5
3	0.206	0.041	-80.1%	836MHz	GSM	S3
4	0.236	0.097	-58.9%	836MHz	GSM	S3
5	0.195	0.046	-76.4%	1880MHz	GSM	S3
6	0.312	0.121	-61.2%	1950MHz	WCDMA	S3

As demonstrated above, radiation reduction ranged from 60% to 80% among the different phones, frequencies and modulation systems.

It should be noted that on a TRP/TIS test the Bodywell Chip did not influence the phone's communication performance. Additional experiments were made with a placebo chip, a chip with the same characteristics as the Bodywell Chip without implementing the Bodywell technology. In these experiments the SAR measurements remained just as if there was no chip attached.

The experiment shows that by a simple action of attaching the Bodywell Chip to the phone a significant reduction in radiation absorption to the head is achieved.

**Dr. Moshe Einat**

Dept. of Electrical and Electronic Engineering  
Faculty of Engineering  
Ariel University, Israel