

2011 SAR Reduction Test

(Result: 75% SAR Reduction)

14.11.11

Hello



I would like to introduce to you the findings of the SAR measurements conducted on Factor Cel protection device designed to reduce the radiation level at the top of cellular mobile phone user.

Background will note that processes antennas HIT Holon Institute of Technology is one of the most sophisticated laboratories in its field in Israel and allows planning, simulation, construction and performance characterization measurements of the different antennas in RF.

This laboratory is the only country equipped whit the system for measuring the amount of radiation absorbed by the head and / or the user's body (level SAR) under different conditions.

The system is a model Dasy 3 SPEAG Company from Switzerland a world leader in this field.

In my capacity as head of the laboratories currently use RF communications and deals for over 20 years in the field of electromagnetic radiation and have examined dozens of different solutions that claim to reduce the cellular radiation.

Factor Cel device is causing a passive antenna, reducing the radiation of the phone user's head and pushes it the other way. Such a passive antenna is called DIRECTOR and is used to increase the sensitivity of TV antennas for many decades.

In this respect, the proposed device is completely different to other patches that claim to reduce the radiation to the head of the user based on return and /or absorption of electromagnetic radiation project on user's head. However, since the is in the near field of mobile handset antenna, can produce a "shadow" only significant on the head by a relatively large return that can be realized, the effectiveness of these labels is very low.

It should be stressed that about DIRECTOR proposed device, installs on the back of the mobile phone, compared stickers Returns/Swallowing installed on the side attached to the top.

The above device performance characterization, comparative measurements were conducted of the resulting SAR level when using a typical mobile phone with and without the device above. The measurements were conducted using a DAS3 system that detects and measures the level of maximum SAR in the head region.

The measurements were conducted in the frequency of 900 MHz mobile – Run.

As you can see, the results of measurements attached, patch indeed reduce significantly the level of SAR.

Measurements carried out with blocks of 10 grams, the level of the SAR could drop from 0.0027 mW - watts of radiation per gram level of 0.0009 mW-watts per gram, ie, a decline of 67% SAR level.

Measurements carried out with blocks of 10 grams, the level of the SAR decreases from 0.0008 mW - watts per gram to 0.0002 mW - watts per gram, **A decline of 75%.**

These results are supported by near-field measurements conducted in a non - depending on the SAR measurement system.

It is important to note that the tests were conducted in a large number of mobile phones with different radiation emission and the results were identical in all devices.

Based on these results represent reliability testing and determination you receive a clear and definite conclusion that this is a significant breakthrough in reducing the level of radiation used in mobile phone with a device CEL Factor.

For further information exhibit the device please don't hesitate contact me. Also, it will be a pleasure to present the device.

Sincerely Yours - Professor Moti Haredim.