

COMMENTS ON THE NATIONAL TOXICOLOGY PROGRAM STUDY PEER REVIEW

ASSOCIATION ALERTE PHONEGATE

DR MARC ARAZI - PRESIDENT AND CO-FOUNDER

27th of March 2018

PRESENTATION : ALERTE PHONEGATE ASSOCIATION

AIMS OF THE ASSOCIATION :

- TO SHARE INTERNATIONAL SCIENTIFIC AND TECHNOLOGIC DATA ON CELL PHONES RADIATIONS
- TO CONTRIBUTES TO THE REVISION OF RADIATION STANDARDS ON CELL PHONES FOR A BETTER HUMAN HEALTH PROTECTION
- TO HELP CONSUMMERS IN THEIR CHOICE OF A SAFE AND HEALTHY CELL PHONE
- TO GIVE SAFTY RECOMMENDATIONS TO CELL PHONES USERS
- TO TRIGGER A CHANGE IN DESIGN, HARDWARE, SOFTWARE OF CELL PHONES CREATED BY THE INDUSTRY

PRESENTATION : DR. MARC ARAZI

- French physician whose work led to the release of French government documents that found cell phones emit radiation levels which surpass government limits. This scandal has received worldwide attention and been dubbed « PHONEGATE ».
- Co-funder of a leading commercial company offering services to health professionals.
- President ad co-funder of ALERTE PHONEGATE;

INTRODUCTION

- Our comments will be restricted to the question of exposures that were used in the NTP study and how they relate to recently released data from the French government national frequencies testing agency.
- NTP's exposure is 2 to 10 fold underestimated compared to the French data released which revealed real life radiation exposure.

Revelation of SAR tests on 442 cell phones of the French National Frequencies Agency (ANFR)

- July 2016 : A report entitled « Exposure to Radiofrequencies and Child Health » is published by the French National Agency for Food, Environmental and Occupational Health and Safety.
- 9 cell phones out of 10 tested in 2015 by the French National Frequencies Agency (ANFR) in contact with the body showed a SAR level higher than 2W/kg and 1 out of 4, a SAR level higher than 4W/kg.
- These data can be found on :
www.data.anfr.fr/explore/dataset/das-telephonie-mobile/

Revelation of SAR tests : Examples

International Regulatory Failure To Protect Citizens

Body Cell Phone Radiation Measurements

Cell Phone	Manufacturer separation distance	0 mm Body Contact simulation
Polaroid, PRO 881A	1.05 W/kg	7.42 W/kg
HTC, ONE SV	0.366 W/kg	7.18 W/kg
Blackberry Z10	0.934 W/kg	6.80 W/kg
NOKIA, <u>Lumina 530</u>	0.86 W/kg	6.57 W/kg
Apple, IPHONE 5C	1.11 W/kg	3.11 W/kg
Apple IPHONE 7	1.34 W/kg	?

**CELL PHONE
LIMIT
2 W/kg**

European Limit 2 w/kg
US FCC 1.6 W/kg

The equivalent US FCC SAR for body contact is higher.

SAR comparison : 1gr and 10gr of tissue

France Data on Cell Phone SAR Radiation at Body Contact Positions

Examples of Some Phones That Exceed Regulatory Limits When Tested at Body Contact

Cell Phone	SAR Radiation Measurement Test Results		
	Manufacturer test separation distance	0 mm Distance body contact simulation European test 10 gram average	0 mm Distance body contact simulation Estimated for US FCC test 1 gram average
Polaroid, PRO 881A	1.050 W/kg at 15 mm	7.42 W/kg	14.84 W/kg
HTC, ONE SV	0.366 W/kg at 15 mm	7.18 W/kg	14.36 W/kg
Blackberry Z10	0.934 W/kg at 15 mm	6.80 W/kg	13.60 W/kg
NOKIA, Lumina 530	0.86 W/kg at 15 mm	6.57 W/kg	13.14 W/kg
Apple, IPHONE 5	.825 W/kg at 10 mm	5.32 W/kg	10.64 W/kg

Compare cell phone SAR test results with government regulatory SAR limits.

1.6 W/kg
USA SAR
LIMIT

2.0 W/kg
Europe
SAR
LIMIT

Most of the cell phones tested by France exceeded regulatory SAR limits

JOHN BUCHER'S INTERPRETATION

- « *The lowest energy level of the radio-frequency radiation we studied was similar to the highest level currently permitted for cell phone emissions* » CNN Reporting Bucher's comment.
- Throughout his comments on the present study, John Bucher minimized human exposures and led journalists worldwide to undermine radiation risks.