

Table of Contents

1. Executive Summary Page 2
2. Table of Contents Page 3
3. Introduction Page 5
4. The History of Exposure Standards Page 5
 - a. ANSI 1974 Page 6
 - b. ANSI 1982 Page 7
 - c. NCPR 1986 Page 10
 - d. IEEE 1991 Page 12
 - e. ANSI/IEEE 1992 Page 14
 - f. FCC Bulletin 65 1997 and Supplement C 2001 Page 16
 - g. ICNIRP 1998 Page 19
 - h. IEEE 2005 Page 22
5. IARC's Possible Carcinogen Finding Page 25
 - a. CTIA's distortion of IARC's finding Page 26
 - b. CTIA's dismissal of IARC's process for determination of Class 2B possible carcinogen Page 26
6. ICNIRP "Harmonization" Page 27
 - a. Up to 3-Fold Increase in Exposure Limits Page 28
 - b. Exposure Limit Change for Children and Fetuses Page 29
7. Fifty-fold safety limit is specious Page 29
 - a. Five-fold factor for general public is non-existent Page 30
 - b. Ten-fold factor is a 2.5-fold factor from irreversible damage Page 30
8. FCC's Two Cellphone Certification Processes Page 30
 - a. SAM process Page 30
 - b. Computer simulation process Page 31
 - c. Details of SAM Cellphone Certification Process Page 32
 - d. Details of FDTD Computer Simulation Cellphone Certification Process Page 33
- Page 4
 - e. What the science has found since the adoption of the FCC limits in 1996 Page 34
 - f. The Averaged Tissue Volume Is a Major Factor in Determination of SAR Page 36
 - g. Comparison of the SAM and FDTD Computer Simulation Processes Page 37
 - h. Methodology Problems with the FCC Cellphone Certification Process Page 40
8. Credibility of Sources Page 42
 - a. Organizations Page 42
 - b. Individuals Page 47
9. The Stability of Brain Cancer Incidence Rates? Page 59
10. Normal Operation Positions Page 62

11. Science Studies Reporting Adverse Health Effects Page 64
 - a. Epidemiology—Risks to Children Page 64
 - b. Epidemiology—Risk to Adults Page 66
 - c. Studies of risk to male fertility Page 73
12. IARC Monograph 102 Page 75
 - a. Animal studies Page 75
13. Conclusions Page 76
14. Appendix, List of Possible Carcinogens Page 80