

TABLE 1
Experimental Design and Materials and Methods in the Whole-Body Exposure Studies
of GSM- and CDMA-Modulated Cell Phone RFR

28-Day Studies	2-Year Studies
<p>Water Tap water (Chicago municipal supply) via an adapted automatic watering system (SE Lab Group, Cincinnati, OH), available <i>ad libitum</i></p>	Same as 28-day studies
<p>Cages Polycarbonate, solid bottom “shoebox” cages (Allentown Caging, Allentown, NJ), changed and rotated within the rack weekly</p>	Same as 28-day studies, except changed weekly and rotated within the rack biweekly
<p>Bedding Certified, irradiated hardwood bedding (P.J. Murphy Forest Products Corp., Montville, NJ), changed weekly</p>	Same as 28-day studies
<p>Racks Custom-designed fiberglass cage racks (Ultra, Inc., Milwaukee, WI), changed biweekly</p>	Same as 28-day studies
<p>Reverberation Chambers Fully-shielded, stainless steel room equipped with a stainless steel door to eliminate leakage of RFR signals, RFR excitation antennas, and two rotating stirrers; chambers were cleaned at least once weekly.</p>	Same as 28-day studies
<p>Reverberation Chamber Environment Temperature: 72° ± 3° F Relative humidity: 50% ± 15% Room incandescent light: 12 hours/day Chamber air changes: at least 10/hour</p>	Same as 28-day studies
<p>Exposure Concentrations Time-averaged whole-body SARs of 0 (sham control), 5, 10, and 15 W/kg GSM- or CDMA-modulated cell phone RFR</p>	Time-averaged whole-body SARs of 0 (sham control), 2.5, 5, and 10 W/kg GSM- or CDMA-modulated cell phone RFR
<p>Type and Frequency of Observation Observed twice daily; animals were weighed once during quarantine, initially, and weekly thereafter. Clinical signs were recorded once during quarantine and then weekly.</p> <p>Body temperature measurements were taken on core study mice prior to initial exposure at the beginning of the study, on days 7 and 14 during inactive exposures, and on days 2, 4, 17, 20, and 27 within 5 minutes of exposure pauses at the end of the second to the last “on” cycle.</p>	Observed twice daily; animals were weighed initially, weekly for the first 14 weeks, at 4-week intervals during weeks 14 to 86, and then every 2 weeks from week 90 until the end of the studies. Clinical signs were recorded once during quarantine and at least once every 4 weeks during the studies.
<p>Method of Euthanasia Carbon dioxide asphyxiation</p>	Same as 28-day studies
<p>Necropsy Necropsies were performed on all core study mice on day 29 or 30. Organs weighed were the right adrenal gland, brain, heart, right kidney, liver, lung, right testis, and thymus.</p>	Necropsies were performed on all mice. Organs weighed in 10 mice per exposure group at 14 weeks were the brain, heart, kidneys (right and left), liver, lung, ovaries (right and left), testes (right and left) with epididymides (right and left), and thymus.