

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/02/2018

Time Report Requested: 13:31:50

First Dose M/F: 09/16/12 / 09/16/12

Lab: IIT

Final 2 - Data Changes through 12-15-17 CDMA SSAC Rats Only

NTP Study Number: C20105B
Lock Date: 12/29/2015
Cage Range: ALL
Date Range: ALL
Reasons For Removal: 25017 SSAC
Removal Date Range: ALL
Treatment Groups: Include ALL
Study Gender: Both
TDMSE Version: 3.0.2.3_002
PWG Approval Date: NONE

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/02/2018

Time Report Requested: 13:31:50

First Dose M/F: 09/16/12 / 09/16/12

Lab: IIT

ANIMAL ID: 505

TRT#: 1

SEX: Male

DAY ON TEST: 94

DOSE: 0.0W/kg(CDMA)chr

DISP: Scheduled Sacrifice

HISTO: 12-5224-505

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Aorta | * Bone |
| * Bone Marrow | * Brain | * Epididymis | * Esophagus |
| * Eye | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Liver | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Nerve Trigeminal |
| * Nose | * Pancreas | * Parathyroid Gland | * Peripheral Nerve, Sciatic |
| * Peripheral Nerve, Tibial | * Pituitary Gland | * Preputial Gland | * Prostate |
| * Salivary Glands | * Seminal Vesicle | Skeletal Muscle | * Skin |
| * Spinal Cord, Cervical | * Spinal Cord, Lumbar | * Spinal Cord, Thoracic | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Testis | * Thymus |
| * Thyroid Gland | * Trachea | Trigeminal Ganglion | * Urinary Bladder |

OBSERVATIONS

- | | | |
|----------|-------------|-----------------------|
| * Kidney | Nephropathy | Chronicprogr, Minimal |
|----------|-------------|-----------------------|

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/02/2018

Time Report Requested: 13:31:50

First Dose M/F: 09/16/12 / 09/16/12

Lab: IIT

ANIMAL ID: 508

TRT#: 1

SEX: Male

DAY ON TEST: 94

DOSE: 0.0W/kg(CDMA)chr

DISP: Scheduled Sacrifice

HISTO: 12-5224-508

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Aorta | * Bone |
| * Bone Marrow | * Brain | * Epididymis | * Esophagus |
| * Eye | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Liver | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Nerve Trigeminal |
| * Nose | * Pancreas | * Parathyroid Gland | * Peripheral Nerve, Sciatic |
| * Peripheral Nerve, Tibial | * Pituitary Gland | * Prostate | * Salivary Glands |
| * Seminal Vesicle | Skeletal Muscle | * Skin | * Spinal Cord, Cervical |
| * Spinal Cord, Lumbar | * Spinal Cord, Thoracic | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Testis | * Thyroid Gland | * Trachea |
| Trigeminal Ganglion | * Urinary Bladder | | |

OBSERVATIONS

- | | | |
|-------------------|--------------|-----------------------|
| * Kidney | Nephropathy | Chronicprogr, Minimal |
| * Preputial Gland | Inflammation | Chronic Active, Mild |
| * Thymus | Hemorrhage | Minimal |

Note: TGL 1-6

[Hemorrhage TGLs = 1-6]

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/02/2018

Time Report Requested: 13:31:50

First Dose M/F: 09/16/12 / 09/16/12

Lab: IIT

ANIMAL ID: 525

TRT#: 1

SEX: Male

DAY ON TEST: 94

DOSE: 0.0W/kg(CDMA)chr

DISP: Scheduled Sacrifice

HISTO: 12-5224-525

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Aorta | * Bone |
| * Bone Marrow | * Brain | * Epididymis | * Esophagus |
| * Eye | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Liver | * Lung |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nerve Trigeminal | * Nose |
| * Pancreas | * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Peripheral Nerve, Tibial |
| * Pituitary Gland | * Prostate | * Salivary Glands | * Seminal Vesicle |
| Skeletal Muscle | * Skin | * Spinal Cord, Cervical | * Spinal Cord, Lumbar |
| * Spinal Cord, Thoracic | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Testis | * Thymus | * Thyroid Gland | * Trachea |
| Trigeminal Ganglion | * Urinary Bladder | | |

OBSERVATIONS

- | | | |
|--------------------------|--------------|-------------------------|
| * Kidney | Nephropathy | Chronicprogr, Minimal |
| * Lymph Node, Mandibular | Hemorrhage | Minimal |
| * Preputial Gland | Inflammation | Chronic Active, Minimal |

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/02/2018

Time Report Requested: 13:31:50

First Dose M/F: 09/16/12 / 09/16/12

Lab: IIT

ANIMAL ID: 528

TRT#: 1

SEX: Male

DAY ON TEST: 94

DOSE: 0.0W/kg(CDMA)chr

DISP: Scheduled Sacrifice

HISTO: 12-5224-528

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|-----------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Aorta | * Bone |
| * Bone Marrow | * Brain | * Epididymis | * Esophagus |
| * Eye | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Liver | * Lung | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nerve Trigeminal | * Nose |
| * Pancreas | * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Peripheral Nerve, Tibial |
| * Pituitary Gland | * Preputial Gland | * Prostate | * Salivary Glands |
| * Seminal Vesicle | Skeletal Muscle | * Skin | * Spinal Cord, Cervical |
| * Spinal Cord, Lumbar | * Spinal Cord, Thoracic | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Testis | * Thymus | * Thyroid Gland |
| * Trachea | Trigeminal Ganglion | * Urinary Bladder | |

OBSERVATIONS

- | | | |
|----------|----------------|-----------------------|
| * Heart | Cardiomyopathy | Minimal |
| * Kidney | Nephropathy | Chronicprogr, Minimal |

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/02/2018

Time Report Requested: 13:31:50

First Dose M/F: 09/16/12 / 09/16/12

Lab: IIT

ANIMAL ID: 531

TRT#: 1

SEX: Male

DAY ON TEST: 94

DOSE: 0.0W/kg(CDMA)chr

DISP: Scheduled Sacrifice

HISTO: 12-5224-531

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|----------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Aorta | * Bone |
| * Bone Marrow | * Brain | * Epididymis | * Esophagus |
| * Eye | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney | * Liver |
| * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland |
| * Nerve Trigeminal | * Nose | * Pancreas | * Parathyroid Gland |
| * Peripheral Nerve, Sciatic | * Peripheral Nerve, Tibial | * Pituitary Gland | * Prostate |
| * Salivary Glands | * Seminal Vesicle | Skeletal Muscle | * Skin |
| * Spinal Cord, Cervical | * Spinal Cord, Lumbar | * Spinal Cord, Thoracic | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Testis | * Thymus |
| * Thyroid Gland | * Trachea | Trigeminal Ganglion | * Urinary Bladder |

OBSERVATIONS

- * Preputial Gland

Note: Abscess formation

Inflammation

Chronic Active, Moderate

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/02/2018

Time Report Requested: 13:31:50

First Dose M/F: 09/16/12 / 09/16/12

Lab: IIT

ANIMAL ID: 532

TRT#: 1

SEX: Male

DAY ON TEST: 94

DOSE: 0.0W/kg(CDMA)chr

DISP: Scheduled Sacrifice

HISTO: 12-5224-532

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Aorta | * Bone |
| * Bone Marrow | * Brain | * Epididymis | * Esophagus |
| * Eye | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Liver | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Nerve Trigeminal |
| * Nose | * Pancreas | * Parathyroid Gland | * Peripheral Nerve, Sciatic |
| * Peripheral Nerve, Tibial | * Pituitary Gland | * Prostate | * Salivary Glands |
| * Seminal Vesicle | Skeletal Muscle | * Skin | * Spinal Cord, Cervical |
| * Spinal Cord, Lumbar | * Spinal Cord, Thoracic | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Testis | * Thyroid Gland | * Trachea |
| Trigeminal Ganglion | * Urinary Bladder | | |

OBSERVATIONS

- | | | |
|-------------------|--------------|-------------------------|
| * Kidney | Nephropathy | Chronicprogr, Mild |
| * Preputial Gland | Inflammation | Chronic Active, Minimal |
| * Thymus | Hemorrhage | Minimal |

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/02/2018

Time Report Requested: 13:31:50

First Dose M/F: 09/16/12 / 09/16/12

Lab: IIT

ANIMAL ID: 537

TRT#: 1

SEX: Male

DAY ON TEST: 94

DOSE: 0.0W/kg(CDMA)chr

DISP: Scheduled Sacrifice

HISTO: 12-5224-537

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|-----------------------------|----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Aorta | * Bone |
| * Bone Marrow | * Brain | * Epididymis | * Esophagus |
| * Eye | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Liver | * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Mammary Gland | * Nerve Trigeminal | * Nose | * Pancreas |
| * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Peripheral Nerve, Tibial | * Pituitary Gland |
| * Preputial Gland | * Prostate | * Salivary Glands | * Seminal Vesicle |
| Skeletal Muscle | * Skin | * Spinal Cord, Cervical | * Spinal Cord, Lumbar |
| * Spinal Cord, Thoracic | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Testis | * Thyroid Gland | * Trachea | Trigeminal Ganglion |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|---------------------------|---------------|----------------|-----------------------|
| * Heart | | Cardiomyopathy | Mild |
| * Intestine Large, Rectum | Lymphoid Tiss | Hyperplasia | Minimal |
| * Kidney | | Nephropathy | Chronicprogr, Minimal |
| * Thymus | | Hemorrhage | Minimal |

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/02/2018

Time Report Requested: 13:31:50

First Dose M/F: 09/16/12 / 09/16/12

Lab: IIT

ANIMAL ID: 568

TRT#: 1

SEX: Male

DAY ON TEST: 94

DOSE: 0.0W/kg(CDMA)chr

DISP: Scheduled Sacrifice

HISTO: 12-5224-568

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|-----------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Aorta | * Bone |
| * Bone Marrow | * Brain | * Epididymis | * Esophagus |
| * Eye | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Liver | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nerve Trigeminal | * Nose |
| * Pancreas | * Peripheral Nerve, Sciatic | * Peripheral Nerve, Tibial | * Pituitary Gland |
| * Prostate | * Salivary Glands | * Seminal Vesicle | Skeletal Muscle |
| * Skin | * Spinal Cord, Cervical | * Spinal Cord, Lumbar | * Spinal Cord, Thoracic |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Testis |
| * Thymus | * Thyroid Gland | * Trachea | Trigeminal Ganglion |
| * Urinary Bladder | | | |

MISSING

- * Parathyroid Gland

OBSERVATIONS

- | | | |
|--|--------------|-------------------------|
| * Kidney | Nephropathy | Chronicprogr, Minimal |
| * Lung | Inflammation | Chronic Active, Minimal |
| Note: Eosinophilic crystalline material associated with inflammation | | |
| * Preputial Gland | Inflammation | Chronic Active, Mild |

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/02/2018

Time Report Requested: 13:31:50

First Dose M/F: 09/16/12 / 09/16/12

Lab: IIT

ANIMAL ID: 579

TRT#: 1

SEX: Male

DAY ON TEST: 94

DOSE: 0.0W/kg(CDMA)chr

DISP: Scheduled Sacrifice

HISTO: 12-5224-579

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|-----------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Aorta | * Bone |
| * Bone Marrow | * Brain | * Epididymis | * Esophagus |
| * Eye | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung | * Lymph Node, Mesenteric |
| * Mammary Gland | * Nerve Trigeminal | * Nose | * Pancreas |
| * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Peripheral Nerve, Tibial | * Pituitary Gland |
| * Prostate | * Salivary Glands | * Seminal Vesicle | Skeletal Muscle |
| * Skin | * Spinal Cord, Cervical | * Spinal Cord, Lumbar | * Spinal Cord, Thoracic |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Testis |
| * Thyroid Gland | * Trachea | Trigeminal Ganglion | * Urinary Bladder |

OBSERVATIONS

- | | | |
|--------------------------|-----------------------|-------------------------|
| * Kidney | Nephropathy | Chronicprogr, Minimal |
| * Liver | Infiltration Cellular | Mixed Cell, Minimal |
| * Lymph Node, Mandibular | Hemorrhage | Minimal |
| * Preputial Gland | Inflammation | Chronic Active, Minimal |
| * Thymus | Hemorrhage | Minimal |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/02/2018

Time Report Requested: 13:31:50

First Dose M/F: 09/16/12 / 09/16/12

Lab: IIT

ANIMAL ID: 582

TRT#: 1

SEX: Male

DAY ON TEST: 94

DOSE: 0.0W/kg(CDMA)chr

DISP: Scheduled Sacrifice

HISTO: 12-5224-582

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|-----------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Aorta | * Bone |
| * Bone Marrow | * Brain | * Epididymis | * Esophagus |
| * Eye | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Liver | * Lung | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nerve Trigeminal | * Nose |
| * Pancreas | * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Peripheral Nerve, Tibial |
| * Pituitary Gland | * Prostate | * Salivary Glands | * Seminal Vesicle |
| Skeletal Muscle | * Skin | * Spinal Cord, Cervical | * Spinal Cord, Lumbar |
| * Spinal Cord, Thoracic | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Testis | * Thyroid Gland | * Trachea | Trigeminal Ganglion |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|-------------------|---------------|----------------|-----------------------|
| * Heart | Ventricle Rgt | Cardiomyopathy | Minimal |
| * Kidney | | Nephropathy | Chronicprogr, Minimal |
| * Preputial Gland | | Inflammation | Chronic Active, Mild |
| * Thymus | | Hemorrhage | Minimal |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/02/2018

Time Report Requested: 13:31:50

First Dose M/F: 09/16/12 / 09/16/12

Lab: IIT

ANIMAL ID: 1349

TRT#: 3

SEX: Male

DAY ON TEST: 94

DOSE: 1.5W/kg(CDMA)chr

DISP: Scheduled Sacrifice

HISTO: 12-5224-1349

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Aorta | * Bone |
| * Bone Marrow | * Brain | * Epididymis | * Esophagus |
| * Eye | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Liver | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Nerve Trigeminal | * Nose | * Pancreas | * Parathyroid Gland |
| * Peripheral Nerve, Sciatic | * Peripheral Nerve, Tibial | * Pituitary Gland | * Preputial Gland |
| * Prostate | * Salivary Glands | * Seminal Vesicle | Skeletal Muscle |
| * Skin | * Spinal Cord, Cervical | * Spinal Cord, Lumbar | * Spinal Cord, Thoracic |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Testis |
| * Thymus | * Thyroid Gland | * Trachea | Trigeminal Ganglion |
| * Urinary Bladder | | | |

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | | |
|----------------------------|---------------|----------------|-----------------------|
| * Heart | Ventricle Rgt | Cardiomyopathy | Minimal |
| * Kidney | | Nephropathy | Chronicprogr, Minimal |
| * Lung | | Congestion | Minimal |
| [Congestion TGLs = 1-10] | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/02/2018

Time Report Requested: 13:31:50

First Dose M/F: 09/16/12 / 09/16/12

Lab: IIT

ANIMAL ID: 1363

TRT#: 3

SEX: Male

DAY ON TEST: 94

DOSE: 1.5W/kg(CDMA)chr

DISP: Scheduled Sacrifice

HISTO: 12-5224-1363

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|-----------------------------|--------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Aorta | * Bone |
| * Bone Marrow | * Brain | * Epididymis | * Esophagus |
| * Eye | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Kidney | * Liver | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Nerve Trigeminal |
| * Nose | * Pancreas | * Parathyroid Gland | * Peripheral Nerve, Sciatic |
| * Peripheral Nerve, Tibial | * Pituitary Gland | * Prostate | * Salivary Glands |
| * Seminal Vesicle | Skeletal Muscle | * Skin | * Spinal Cord, Cervical |
| * Spinal Cord, Lumbar | * Spinal Cord, Thoracic | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Testis | * Thyroid Gland | * Trachea |
| Trigeminal Ganglion | * Urinary Bladder | | |

OBSERVATIONS

- | | | |
|-------------------|--------------|-------------------------|
| * Harderian Gland | Inflammation | Chronic Active, Mild |
| * Preputial Gland | Inflammation | Chronic Active, Minimal |
| * Thymus | Hemorrhage | Minimal |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/02/2018

Time Report Requested: 13:31:50

First Dose M/F: 09/16/12 / 09/16/12

Lab: IIT

ANIMAL ID: 1370

TRT#: 3

SEX: Male

DAY ON TEST: 94

DOSE: 1.5W/kg(CDMA)chr

DISP: Scheduled Sacrifice

HISTO: 12-5224-1370

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|-----------------------------|--------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Aorta | * Bone |
| * Bone Marrow | * Brain | * Epididymis | * Esophagus |
| * Eye | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Kidney | * Liver | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Nerve Trigeminal |
| * Nose | * Pancreas | * Parathyroid Gland | * Peripheral Nerve, Sciatic |
| * Peripheral Nerve, Tibial | * Prostate | * Salivary Glands | * Seminal Vesicle |
| Skeletal Muscle | * Skin | * Spinal Cord, Cervical | * Spinal Cord, Lumbar |
| * Spinal Cord, Thoracic | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Testis | * Thyroid Gland | * Trachea | Trigeminal Ganglion |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|-------------------|---------------|----------------|-------------------------|
| * Heart | Ventricle Rgt | Cardiomyopathy | Minimal |
| * Pituitary Gland | Pars Intermed | Cyst | |
| * Preputial Gland | | Inflammation | Chronic Active, Minimal |
| * Thymus | | Hemorrhage | Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/02/2018

Time Report Requested: 13:31:50

First Dose M/F: 09/16/12 / 09/16/12

Lab: IIT

ANIMAL ID: 1371

TRT#: 3

SEX: Male

DAY ON TEST: 94

DOSE: 1.5W/kg(CDMA)chr

DISP: Scheduled Sacrifice

HISTO: 12-5224-1371

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|----------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Aorta | * Bone |
| * Bone Marrow | * Brain | * Epididymis | * Esophagus |
| * Eye | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney | * Liver |
| * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland |
| * Nerve Trigeminal | * Nose | * Pancreas | * Parathyroid Gland |
| * Peripheral Nerve, Sciatic | * Peripheral Nerve, Tibial | * Pituitary Gland | * Preputial Gland |
| * Prostate | * Salivary Glands | * Seminal Vesicle | Skeletal Muscle |
| * Skin | * Spinal Cord, Cervical | * Spinal Cord, Lumbar | * Spinal Cord, Thoracic |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Testis |
| * Thyroid Gland | * Trachea | Trigeminal Ganglion | * Urinary Bladder |

OBSERVATIONS

- | | | |
|---------------------------|------------|---------|
| * Thymus | Hemorrhage | Minimal |
| [Hemorrhage TGLs = 1-6] | | |

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/02/2018

Time Report Requested: 13:31:50

First Dose M/F: 09/16/12 / 09/16/12

Lab: IIT

ANIMAL ID: 1379

TRT#: 3

SEX: Male

DAY ON TEST: 94

DOSE: 1.5W/kg(CDMA)chr

DISP: Scheduled Sacrifice

HISTO: 12-5224-1379

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|----------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Aorta | * Bone |
| * Bone Marrow | * Brain | * Epididymis | * Esophagus |
| * Eye | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Liver | * Lung | * Lymph Node, Mesenteric |
| * Mammary Gland | * Nerve Trigeminal | * Nose | * Pancreas |
| * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Peripheral Nerve, Tibial | * Pituitary Gland |
| * Preputial Gland | * Prostate | * Salivary Glands | * Seminal Vesicle |
| Skeletal Muscle | * Skin | * Spinal Cord, Cervical | * Spinal Cord, Lumbar |
| * Spinal Cord, Thoracic | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Testis | * Thymus | * Thyroid Gland | * Trachea |
| Trigeminal Ganglion | * Urinary Bladder | | |

OBSERVATIONS

- | | | |
|--------------------------|-----------------------|-----------------------|
| * Harderian Gland | Infiltration Cellular | Lymphocyte, Minimal |
| * Kidney | Nephropathy | Chronicprogr, Minimal |
| * Lymph Node, Mandibular | Hemorrhage | Mild |

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/02/2018

Time Report Requested: 13:31:50

First Dose M/F: 09/16/12 / 09/16/12

Lab: IIT

ANIMAL ID: 1385

TRT#: 3

SEX: Male

DAY ON TEST: 94

DOSE: 1.5W/kg(CDMA)chr

DISP: Scheduled Sacrifice

HISTO: 12-5224-1385

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|-----------------------------|----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Aorta | * Bone |
| * Bone Marrow | * Brain | * Epididymis | * Esophagus |
| * Eye | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Liver | * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Mammary Gland | * Nerve Trigeminal | * Nose | * Pancreas |
| * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Peripheral Nerve, Tibial | * Preputial Gland |
| * Prostate | * Salivary Glands | * Seminal Vesicle | Skeletal Muscle |
| * Skin | * Spinal Cord, Cervical | * Spinal Cord, Lumbar | * Spinal Cord, Thoracic |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Testis |
| * Thymus | * Thyroid Gland | * Trachea | Trigeminal Ganglion |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|---------------------------|-----------------|----------------|-----------------------|
| * Heart | Ventricle Rgt | Cardiomyopathy | Minimal |
| * Intestine Large, Rectum | Lymphoid Tissue | Hyperplasia | Minimal |
| * Kidney | | Nephropathy | Chronicprogr, Minimal |
| * Pituitary Gland | Rathkes Cleft | Cyst | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/02/2018

Time Report Requested: 13:31:50

First Dose M/F: 09/16/12 / 09/16/12

Lab: IIT

ANIMAL ID: 1397

TRT#: 3

SEX: Male

DAY ON TEST: 94

DOSE: 1.5W/kg(CDMA)chr

DISP: Scheduled Sacrifice

HISTO: 12-5224-1397

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|-----------------------------|----------------------------|---------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Aorta | * Bone |
| * Bone Marrow | * Brain | * Epididymis | * Esophagus |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Liver | * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Mammary Gland | * Nerve Trigeminal | * Nose | * Pancreas |
| * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Peripheral Nerve, Tibial | * Pituitary Gland |
| * Prostate | * Salivary Glands | * Seminal Vesicle | Skeletal Muscle |
| * Skin | * Spinal Cord, Cervical | * Spinal Cord, Lumbar | * Spinal Cord, Thoracic |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Testis |
| * Thymus | * Thyroid Gland | * Trachea | Trigeminal Ganglion |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|-------------------|--------------|----------------------------|--------------------------|
| * Eye | Retina | Developmental Malformation | |
| * Heart | Ventricl Rgt | Cardiomyopathy | Minimal |
| * Kidney | | Nephropathy | Chronicprogr, Minimal |
| * Preputial Gland | | Inflammation | Chronic Active, Moderate |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/02/2018

Time Report Requested: 13:31:50

First Dose M/F: 09/16/12 / 09/16/12

Lab: IIT

ANIMAL ID: 1404

TRT#: 3

SEX: Male

DAY ON TEST: 94

DOSE: 1.5W/kg(CDMA)chr

DISP: Scheduled Sacrifice

HISTO: 12-5224-1404

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|-----------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Aorta | * Bone |
| * Bone Marrow | * Brain | * Epididymis | * Esophagus |
| * Eye | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Liver | * Lung | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nerve Trigeminal | * Nose |
| * Pancreas | * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Peripheral Nerve, Tibial |
| * Pituitary Gland | * Preputial Gland | * Prostate | * Salivary Glands |
| * Seminal Vesicle | Skeletal Muscle | * Skin | * Spinal Cord, Cervical |
| * Spinal Cord, Lumbar | * Spinal Cord, Thoracic | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Testis | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

INSUFFICIENT TISSUE

Trigeminal Ganglion

OBSERVATIONS

- | | | | |
|----------|--------|--------------|-------------------------|
| * Heart | Artery | Inflammation | Chronic Active, Minimal |
| * Kidney | | Nephropathy | Chronicprogr, Minimal |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/02/2018

Time Report Requested: 13:31:50

First Dose M/F: 09/16/12 / 09/16/12

Lab: IIT

ANIMAL ID: 1406

TRT#: 3

SEX: Male

DAY ON TEST: 94

DOSE: 1.5W/kg(CDMA)chr

DISP: Scheduled Sacrifice

HISTO: 12-5224-1406

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Aorta | * Bone |
| * Bone Marrow | * Brain | * Epididymis | * Esophagus |
| * Eye | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Mammary Gland | * Nerve Trigeminal | * Nose | * Pancreas |
| * Peripheral Nerve, Sciatic | * Peripheral Nerve, Tibial | * Pituitary Gland | * Preputial Gland |
| * Prostate | * Salivary Glands | * Seminal Vesicle | Skeletal Muscle |
| * Skin | * Spinal Cord, Cervical | * Spinal Cord, Lumbar | * Spinal Cord, Thoracic |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Testis |
| * Thymus | * Thyroid Gland | * Trachea | Trigeminal Ganglion |
| * Urinary Bladder | | | |

MISSING

- * Parathyroid Gland

OBSERVATIONS

- | | | | |
|----------|---------------|-----------------------|-----------------------|
| * Heart | Ventricle Rgt | Cardiomyopathy | Minimal |
| * Kidney | | Nephropathy | Chronicprogr, Minimal |
| * Liver | | Infiltration Cellular | Mixed Cell, Minimal |
| * Skin | | | |

Note: No histopathological correlate for alopecia

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/02/2018

Time Report Requested: 13:31:50

First Dose M/F: 09/16/12 / 09/16/12

Lab: IIT

ANIMAL ID: 1418

TRT#: 3

SEX: Male

DAY ON TEST: 94

DOSE: 1.5W/kg(CDMA)chr

DISP: Scheduled Sacrifice

HISTO: 12-5224-1418

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Bone Marrow
- * Eye
- * Intestine Large, Colon
- * Intestine Small, Jejunum
- * Lymph Node, Mandibular
- * Nose
- * Peripheral Nerve, Tibial
- * Salivary Glands
- * Spinal Cord, Cervical
- * Stomach, Forestomach
- * Thyroid Gland
- * Adrenal Medulla
- * Brain
- * Harderian Gland
- * Intestine Large, Rectum
- * Islets, Pancreatic
- * Lymph Node, Mesenteric
- * Pancreas
- * Pituitary Gland
- * Seminal Vesicle
- * Spinal Cord, Lumbar
- * Stomach, Glandular
- * Trachea
- * Aorta
- * Epididymis
- * Heart
- * Intestine Small, Duodenum
- * Liver
- * Mammary Gland
- * Parathyroid Gland
- * Preputial Gland
- * Skeletal Muscle
- * Spinal Cord, Thoracic
- * Testis
- * Trigeminal Ganglion
- * Bone
- * Esophagus
- * Intestine Large, Cecum
- * Intestine Small, Ileum
- * Lung
- * Nerve Trigeminal
- * Peripheral Nerve, Sciatic
- * Prostate
- * Skin
- * Spleen
- * Thymus
- * Urinary Bladder

OBSERVATIONS

* Kidney

Nephropathy

Chronicprogr, Minimal

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/02/2018

Time Report Requested: 13:31:50

First Dose M/F: 09/16/12 / 09/16/12

Lab: IIT

ANIMAL ID: 1558

TRT#: 5

SEX: Male

DAY ON TEST: 94

DOSE: 3.0W/kg(CDMA)chr

DISP: Scheduled Sacrifice

HISTO: 12-5224-1558

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|----------------------------|----------------------------|---------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Aorta | * Bone |
| * Bone Marrow | * Brain | * Esophagus | * Eye |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland |
| * Nerve Trigeminal | * Nose | * Pancreas | * Parathyroid Gland |
| * Peripheral Nerve, Sciatic | * Peripheral Nerve, Tibial | * Pituitary Gland | * Preputial Gland |
| * Prostate | * Salivary Glands | * Seminal Vesicle | Skeletal Muscle |
| * Skin | * Spinal Cord, Cervical | * Spinal Cord, Lumbar | * Spinal Cord, Thoracic |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Testis |
| * Thyroid Gland | * Trachea | Trigeminal Ganglion | * Urinary Bladder |

OBSERVATIONS

- | | | | |
|--------------|----------------------------------|-----------------------------|---------------------------------|
| * Epididymis | | Granuloma Sperm | Moderate |
| | [Granuloma Sperm TGLs = 1-16a] | | |
| * Heart | Ventricle Rgt Artery | Cardiomyopathy Inflammation | Minimal Chronic Active, Minimal |
| * Kidney | | Nephropathy | Chronicprogr, Minimal |
| * Liver | Hepatocyte | Necrosis | Minimal |
| * Thymus | | Hemorrhage | Minimal |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/02/2018

Time Report Requested: 13:31:50

First Dose M/F: 09/16/12 / 09/16/12

Lab: IIT

ANIMAL ID: 1581

TRT#: 5

SEX: Male

DAY ON TEST: 94

DOSE: 3.0W/kg(CDMA)chr

DISP: Scheduled Sacrifice

HISTO: 12-5224-1581

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Aorta | * Bone |
| * Bone Marrow | * Brain | * Epididymis | * Esophagus |
| * Eye | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Liver | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Nerve Trigeminal |
| * Nose | * Pancreas | * Parathyroid Gland | * Peripheral Nerve, Sciatic |
| * Peripheral Nerve, Tibial | * Pituitary Gland | * Prostate | * Salivary Glands |
| * Seminal Vesicle | Skeletal Muscle | * Skin | * Spinal Cord, Cervical |
| * Spinal Cord, Lumbar | * Spinal Cord, Thoracic | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Testis | * Thymus | * Thyroid Gland |
| * Trachea | Trigeminal Ganglion | * Urinary Bladder | |

OBSERVATIONS

- | | | |
|-------------------|--------------|-----------------------|
| * Kidney | Nephropathy | Chronicprogr, Minimal |
| * Preputial Gland | Inflammation | Chronic Active, Mild |

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/02/2018

Time Report Requested: 13:31:50

First Dose M/F: 09/16/12 / 09/16/12

Lab: IIT

ANIMAL ID: 1596

TRT#: 5

SEX: Male

DAY ON TEST: 94

DOSE: 3.0W/kg(CDMA)chr

DISP: Scheduled Sacrifice

HISTO: 12-5224-1596

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Aorta | * Bone |
| * Bone Marrow | * Brain | * Epididymis | * Esophagus |
| * Eye | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Nerve Trigeminal |
| * Nose | * Pancreas | * Parathyroid Gland | * Peripheral Nerve, Sciatic |
| * Peripheral Nerve, Tibial | * Pituitary Gland | * Prostate | * Salivary Glands |
| * Seminal Vesicle | Skeletal Muscle | * Skin | * Spinal Cord, Cervical |
| * Spinal Cord, Lumbar | * Spinal Cord, Thoracic | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Testis | * Thymus | * Thyroid Gland |
| * Trachea | Trigeminal Ganglion | * Urinary Bladder | |

OBSERVATIONS

- | | | |
|--|-----------------------|-------------------------|
| * Brain | | |
| Note: One olfactory bulb | | |
| * Harderian Gland | Inflammation | Chronic Active, Minimal |
| * Heart | Cardiomyopathy | Minimal |
| * Kidney | Nephropathy | Chronicprogr, Minimal |
| * Liver | Infiltration Cellular | Mixed Cell, Minimal |
| * Lung | Inflammation | Chronic Active, Mild |
| Note: Eosinophilic crystalline material present within inflammatory foci | | |
| * Preputial Gland | Inflammation | Chronic Active, Minimal |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/02/2018

Time Report Requested: 13:31:50

First Dose M/F: 09/16/12 / 09/16/12

Lab: IIT

ANIMAL ID: 1598

TRT#: 5

SEX: Male

DAY ON TEST: 94

DOSE: 3.0W/kg(CDMA)chr

DISP: Scheduled Sacrifice

HISTO: 12-5224-1598

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|-----------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Aorta | * Bone |
| * Bone Marrow | * Brain | * Epididymis | * Esophagus |
| * Eye | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Liver | * Lung | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nerve Trigeminal | * Nose |
| * Pancreas | * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Peripheral Nerve, Tibial |
| * Pituitary Gland | * Prostate | * Salivary Glands | * Seminal Vesicle |
| Skeletal Muscle | * Skin | * Spinal Cord, Cervical | * Spinal Cord, Lumbar |
| * Spinal Cord, Thoracic | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Testis | * Thyroid Gland | * Trachea | Trigeminal Ganglion |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|-------------------|---------------|----------------|-------------------------|
| * Heart | Ventricle Rgt | Cardiomyopathy | Minimal |
| * Kidney | | Nephropathy | Chronicprogr, Mild |
| * Preputial Gland | | Inflammation | Chronic Active, Minimal |
| * Thymus | | Hemorrhage | Minimal |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/02/2018

Time Report Requested: 13:31:50

First Dose M/F: 09/16/12 / 09/16/12

Lab: IIT

ANIMAL ID: 1601

TRT#: 5

SEX: Male

DAY ON TEST: 94

DOSE: 3.0W/kg(CDMA)chr

DISP: Scheduled Sacrifice

HISTO: 12-5224-1601

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|-----------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Aorta | * Bone |
| * Bone Marrow | * Brain | * Epididymis | * Esophagus |
| * Eye | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Liver | * Lung | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nerve Trigeminal | * Nose |
| * Pancreas | * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Peripheral Nerve, Tibial |
| * Pituitary Gland | * Preputial Gland | * Prostate | * Salivary Glands |
| * Seminal Vesicle | Skeletal Muscle | * Skin | * Spinal Cord, Cervical |
| * Spinal Cord, Lumbar | * Spinal Cord, Thoracic | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Testis | * Thymus | * Thyroid Gland |
| * Trachea | Trigeminal Ganglion | * Urinary Bladder | |

OBSERVATIONS

- | | | | |
|----------|--------------|----------------|-----------------------|
| * Heart | Ventricl Rgt | Cardiomyopathy | Minimal |
| * Kidney | | Congestion | Mild |
| | | Nephropathy | Chronicprogr, Minimal |

[Congestion TGLs = 1-13]

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/02/2018

Time Report Requested: 13:31:50

First Dose M/F: 09/16/12 / 09/16/12

Lab: IIT

ANIMAL ID: 1603

TRT#: 5

SEX: Male

DAY ON TEST: 94

DOSE: 3.0W/kg(CDMA)chr

DISP: Scheduled Sacrifice

HISTO: 12-5224-1603

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|-----------------------------|--------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Aorta | * Bone |
| * Bone Marrow | * Brain | * Epididymis | * Esophagus |
| * Eye | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Kidney | * Liver | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Nerve Trigeminal |
| * Nose | * Pancreas | * Parathyroid Gland | * Peripheral Nerve, Sciatic |
| * Peripheral Nerve, Tibial | * Prostate | * Salivary Glands | * Seminal Vesicle |
| Skeletal Muscle | * Skin | * Spinal Cord, Cervical | * Spinal Cord, Lumbar |
| * Spinal Cord, Thoracic | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Testis | * Thymus | * Thyroid Gland | * Trachea |
| Trigeminal Ganglion | * Urinary Bladder | | |

OBSERVATIONS

- | | | | |
|-------------------|---------------|----------------|----------------------|
| * Heart | Ventricle Rgt | Cardiomyopathy | Minimal |
| | | Cardiomyopathy | Minimal |
| * Pituitary Gland | Rathkes Cleft | Cyst | |
| * Preputial Gland | | Inflammation | Chronic Active, Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/02/2018

Time Report Requested: 13:31:50

First Dose M/F: 09/16/12 / 09/16/12

Lab: IIT

ANIMAL ID: 1613

TRT#: 5

SEX: Male

DAY ON TEST: 94

DOSE: 3.0W/kg(CDMA)chr

DISP: Scheduled Sacrifice

HISTO: 12-5224-1613

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Aorta | * Bone |
| * Bone Marrow | * Brain | * Epididymis | * Esophagus |
| * Eye | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Liver | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Nerve Trigeminal |
| * Nose | * Pancreas | * Parathyroid Gland | * Peripheral Nerve, Sciatic |
| * Peripheral Nerve, Tibial | * Pituitary Gland | * Preputial Gland | * Prostate |
| * Salivary Glands | * Seminal Vesicle | Skeletal Muscle | * Skin |
| * Spinal Cord, Cervical | * Spinal Cord, Lumbar | * Spinal Cord, Thoracic | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Testis | * Thyroid Gland |
| * Trachea | Trigeminal Ganglion | * Urinary Bladder | |

OBSERVATIONS

- | | | |
|---------------------------|-------------|-----------------------|
| * Kidney | Nephropathy | Chronicprogr, Minimal |
| * Thymus | Hemorrhage | Minimal |
| [Hemorrhage TGLs = 1-6] | | |

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/02/2018

Time Report Requested: 13:31:50

First Dose M/F: 09/16/12 / 09/16/12

Lab: IIT

ANIMAL ID: 1621

TRT#: 5

SEX: Male

DAY ON TEST: 94

DOSE: 3.0W/kg(CDMA)chr

DISP: Scheduled Sacrifice

HISTO: 12-5224-1621

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|-----------------------------|----------------------------|---------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Aorta | * Bone |
| * Bone Marrow | * Brain | * Epididymis | * Esophagus |
| * Eye | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Liver | * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Mammary Gland | * Nerve Trigeminal | * Nose | * Pancreas |
| * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Peripheral Nerve, Tibial | * Pituitary Gland |
| * Prostate | * Salivary Glands | * Seminal Vesicle | Skeletal Muscle |
| * Skin | * Spinal Cord, Cervical | * Spinal Cord, Lumbar | * Spinal Cord, Thoracic |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Testis |
| * Thymus | * Thyroid Gland | * Trachea | Trigeminal Ganglion |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | |
|-------------------|----------------|-------------------------|
| * Harderian Gland | Inflammation | Chronic Active, Mild |
| * Heart | Cardiomyopathy | Minimal |
| * Kidney | Nephropathy | Chronicprogr, Minimal |
| * Preputial Gland | Inflammation | Chronic Active, Minimal |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/02/2018

Time Report Requested: 13:31:50

First Dose M/F: 09/16/12 / 09/16/12

Lab: IIT

ANIMAL ID: 1632

TRT#: 5

SEX: Male

DAY ON TEST: 94

DOSE: 3.0W/kg(CDMA)chr

DISP: Scheduled Sacrifice

HISTO: 12-5224-1632

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Adrenal Medulla
- * Aorta
- * Bone
- * Bone Marrow
- * Brain
- * Epididymis
- * Esophagus
- * Eye
- * Harderian Gland
- * Heart
- * Intestine Large, Cecum
- * Intestine Large, Colon
- * Intestine Large, Rectum
- * Intestine Small, Duodenum
- * Intestine Small, Ileum
- * Intestine Small, Jejunum
- * Islets, Pancreatic
- * Lung
- * Lymph Node, Mandibular
- * Lymph Node, Mesenteric
- * Mammary Gland
- * Nerve Trigeminal
- * Nose
- * Pancreas
- * Parathyroid Gland
- * Peripheral Nerve, Sciatic
- * Peripheral Nerve, Tibial
- * Pituitary Gland
- * Prostate
- * Salivary Glands
- * Seminal Vesicle
- * Skeletal Muscle
- * Skin
- * Spinal Cord, Cervical
- * Spinal Cord, Lumbar
- * Spinal Cord, Thoracic
- * Spleen
- * Stomach, Forestomach
- * Stomach, Glandular
- * Testis
- * Thyroid Gland
- * Trachea
- * Trigeminal Ganglion
- * Urinary Bladder

OBSERVATIONS

- * Kidney [Congestion TGLs = 1-13] Congestion Mild
- * Liver [Hepatodiaphragmatic Nodule TGLs = 2-20] Hepatodiaphragmatic Nodule
- * Preputial Gland Inflammation Chronic Active, Mild
- * Thymus Hemorrhage Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/02/2018

Time Report Requested: 13:31:50

First Dose M/F: 09/16/12 / 09/16/12

Lab: IIT

ANIMAL ID: 1634

TRT#: 5

SEX: Male

DAY ON TEST: 94

DOSE: 3.0W/kg(CDMA)chr

DISP: Scheduled Sacrifice

HISTO: 12-5224-1634

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|----------------------------|-------------------------|---------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Aorta | * Brain |
| * Epididymis | * Eye | * Heart | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Liver |
| * Lung | * Mammary Gland | * Nerve Trigeminal | * Nose |
| * Pancreas | * Pituitary Gland | * Preputial Gland | * Prostate |
| * Seminal Vesicle | * Skin | * Spinal Cord, Cervical | * Spinal Cord, Lumbar |
| * Spinal Cord, Thoracic | * Stomach, Forestomach | * Stomach, Glandular | * Testis |
| * Thymus | Trigeminal Ganglion | * Urinary Bladder | |

MISSING

- | | | | |
|--------------------------|-----------------------------|----------------------------|--------------------------|
| * Bone | * Bone Marrow | * Esophagus | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Small, Ileum | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Peripheral Nerve, Tibial | * Salivary Glands |
| Skeletal Muscle | * Spleen | * Thyroid Gland | * Trachea |

OBSERVATIONS

- | | | | |
|------------------------|----------|--------------|-------------------------|
| * Harderian Gland | | Inflammation | Chronic Active, Minimal |
| * Kidney | | Nephropathy | Chronicprogr, Minimal |
| Lymph Node | Inguinal | Pigment | Mild |
| [Pigment TGLs = 1-9] | | | |

Animal Note: TGLs 2,3,8,9 = NCL (No Corresponding Lesion)

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/02/2018

Time Report Requested: 13:31:50

First Dose M/F: 09/16/12 / 09/16/12

Lab: IIT

ANIMAL ID: 1796

TRT#: 7

SEX: Male

DAY ON TEST: 94

DOSE: 6.0W/kg(CDMA)chr

DISP: Scheduled Sacrifice

HISTO: 12-5224-1796

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|-----------------------------|----------------------------|---------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Aorta | * Bone |
| * Bone Marrow | * Brain | * Esophagus | * Eye |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Liver | * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Mammary Gland | * Nerve Trigeminal | * Nose | * Pancreas |
| * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Peripheral Nerve, Tibial | * Preputial Gland |
| * Prostate | * Salivary Glands | * Seminal Vesicle | Skeletal Muscle |
| * Skin | * Spinal Cord, Cervical | * Spinal Cord, Lumbar | * Spinal Cord, Thoracic |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Thymus |
| * Thyroid Gland | * Trachea | Trigeminal Ganglion | * Urinary Bladder |

OBSERVATIONS

- | | | | |
|-------------------|-------------------------------|----------------|-----------------------|
| * Epididymis | | Hypospermia | |
| | [Hyospermia TGLs = 2-16a] | | |
| * Heart | | Cardiomyopathy | Minimal |
| | Ventricl Rgt | Cardiomyopathy | Minimal |
| * Kidney | | Nephropathy | Chronicprogr, Minimal |
| * Pituitary Gland | Pars Intermed | Cyst | |
| * Testis | Germ Cell | Degeneration | Marked |
| | [Degeneration TGLs = 4-16a] | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/02/2018

Time Report Requested: 13:31:50

First Dose M/F: 09/16/12 / 09/16/12

Lab: IIT

ANIMAL ID: 1805

TRT#: 7

SEX: Male

DAY ON TEST: 94

DOSE: 6.0W/kg(CDMA)chr

DISP: Scheduled Sacrifice

HISTO: 12-5224-1805

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Aorta | * Bone |
| * Bone Marrow | * Brain | * Epididymis | * Esophagus |
| * Eye | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney | * Liver |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Nerve Trigeminal |
| * Nose | * Pancreas | * Parathyroid Gland | * Peripheral Nerve, Sciatic |
| * Peripheral Nerve, Tibial | * Pituitary Gland | * Preputial Gland | * Prostate |
| * Salivary Glands | * Seminal Vesicle | Skeletal Muscle | * Skin |
| * Spinal Cord, Cervical | * Spinal Cord, Lumbar | * Spinal Cord, Thoracic | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Testis | * Thymus |
| * Thyroid Gland | * Trachea | Trigeminal Ganglion | * Urinary Bladder |

OBSERVATIONS

- | | | |
|----------------------------|------------|---------|
| * Lung | Congestion | Minimal |
| [Congestion TGLs = 1-10] | | |

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/02/2018

Time Report Requested: 13:31:50

First Dose M/F: 09/16/12 / 09/16/12

Lab: IIT

ANIMAL ID: 1810

TRT#: 7

SEX: Male

DAY ON TEST: 94

DOSE: 6.0W/kg(CDMA)chr

DISP: Scheduled Sacrifice

HISTO: 12-5224-1810

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|----------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Aorta | * Bone |
| * Bone Marrow | * Brain | * Epididymis | * Esophagus |
| * Eye | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Liver | * Lung | * Lymph Node, Mandibular |
| * Mammary Gland | * Nerve Trigeminal | * Nose | * Pancreas |
| * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Peripheral Nerve, Tibial | * Pituitary Gland |
| * Preputial Gland | * Prostate | * Salivary Glands | * Seminal Vesicle |
| Skeletal Muscle | * Skin | * Spinal Cord, Cervical | * Spinal Cord, Lumbar |
| * Spinal Cord, Thoracic | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Testis | * Thymus | * Thyroid Gland | * Trachea |
| Trigeminal Ganglion | * Urinary Bladder | | |

OBSERVATIONS

- | | | | |
|--------------------------|--------|----------------|-----------------------|
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | Pelvis | Dilation | Mild |
| | | Nephropathy | Chronicprogr, Minimal |
| * Lymph Node, Mesenteric | | Hemorrhage | Minimal |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/02/2018

Time Report Requested: 13:31:50

First Dose M/F: 09/16/12 / 09/16/12

Lab: IIT

ANIMAL ID: 1823

TRT#: 7

SEX: Male

DAY ON TEST: 94

DOSE: 6.0W/kg(CDMA)chr

DISP: Scheduled Sacrifice

HISTO: 12-5224-1823

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|-----------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Aorta | * Bone |
| * Bone Marrow | * Brain | * Epididymis | * Esophagus |
| * Eye | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Liver | * Lung | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nerve Trigeminal | * Nose |
| * Pancreas | * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Peripheral Nerve, Tibial |
| * Pituitary Gland | * Prostate | * Salivary Glands | * Seminal Vesicle |
| Skeletal Muscle | * Skin | * Spinal Cord, Cervical | * Spinal Cord, Lumbar |
| * Spinal Cord, Thoracic | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Testis | * Thymus | * Thyroid Gland | * Trachea |
| Trigeminal Ganglion | * Urinary Bladder | | |

OBSERVATIONS

- | | | |
|-------------------|----------------|-----------------------|
| * Heart | Cardiomyopathy | Minimal |
| * Kidney | Nephropathy | Chronicprogr, Minimal |
| * Preputial Gland | Inflammation | Chronic Active, Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/02/2018

Time Report Requested: 13:31:50

First Dose M/F: 09/16/12 / 09/16/12

Lab: IIT

ANIMAL ID: 1824

TRT#: 7

SEX: Male

DAY ON TEST: 94

DOSE: 6.0W/kg(CDMA)chr

DISP: Scheduled Sacrifice

HISTO: 12-5224-1824

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|-----------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Aorta | * Bone |
| * Bone Marrow | * Brain | * Epididymis | * Esophagus |
| * Eye | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Liver | * Lung | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nerve Trigeminal | * Nose |
| * Pancreas | * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Peripheral Nerve, Tibial |
| * Pituitary Gland | * Preputial Gland | * Prostate | * Salivary Glands |
| * Seminal Vesicle | Skeletal Muscle | * Skin | * Spinal Cord, Cervical |
| * Spinal Cord, Lumbar | * Spinal Cord, Thoracic | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Testis | * Thyroid Gland | * Trachea |
| Trigeminal Ganglion | * Urinary Bladder | | |

OBSERVATIONS

- | | | | |
|--------------------------|---------------|----------------|-----------------------|
| * Brain | | | |
| Note: No olfactory bulbs | | | |
| * Heart | | Cardiomyopathy | Minimal |
| | Ventricle Rgt | Cardiomyopathy | Minimal |
| * Kidney | | Nephropathy | Chronicprogr, Minimal |
| * Thymus | | Hemorrhage | Minimal |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/02/2018

Time Report Requested: 13:31:50

First Dose M/F: 09/16/12 / 09/16/12

Lab: IIT

ANIMAL ID: 1838

TRT#: 7

SEX: Male

DAY ON TEST: 94

DOSE: 6.0W/kg(CDMA)chr

DISP: Scheduled Sacrifice

HISTO: 12-5224-1838

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Aorta | * Bone |
| * Bone Marrow | * Brain | * Epididymis | * Esophagus |
| * Eye | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Liver | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nerve Trigeminal | * Nose |
| * Pancreas | * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Peripheral Nerve, Tibial |
| * Pituitary Gland | * Preputial Gland | * Salivary Glands | * Seminal Vesicle |
| Skeletal Muscle | * Skin | * Spinal Cord, Cervical | * Spinal Cord, Lumbar |
| * Spinal Cord, Thoracic | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Testis | * Thymus | * Thyroid Gland | * Trachea |
| Trigeminal Ganglion | * Urinary Bladder | | |

OBSERVATIONS

- | | | |
|------------|--------------|-------------------------|
| * Kidney | Nephropathy | Chronicprogr, Minimal |
| * Lung | Inflammation | Chronic Active, Minimal |
| * Prostate | Inflammation | Chronic Active, Minimal |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/02/2018

Time Report Requested: 13:31:50

First Dose M/F: 09/16/12 / 09/16/12

Lab: IIT

ANIMAL ID: 1841

TRT#: 7

SEX: Male

DAY ON TEST: 94

DOSE: 6.0W/kg(CDMA)chr

DISP: Scheduled Sacrifice

HISTO: 12-5224-1841

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|----------------------------|----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Aorta | * Bone |
| * Bone Marrow | * Brain | * Epididymis | * Esophagus |
| * Eye | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland |
| * Nerve Trigeminal | * Nose | * Pancreas | * Parathyroid Gland |
| * Peripheral Nerve, Sciatic | * Peripheral Nerve, Tibial | * Pituitary Gland | * Preputial Gland |
| * Prostate | * Salivary Glands | * Seminal Vesicle | Skeletal Muscle |
| * Skin | * Spinal Cord, Cervical | * Spinal Cord, Lumbar | * Spinal Cord, Thoracic |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Testis |
| * Thymus | * Thyroid Gland | * Trachea | Trigeminal Ganglion |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|---------------------------|---------------|-----------------------|-----------------------|
| * Heart | Ventricl Rgt | Cardiomyopathy | Minimal |
| | | Cardiomyopathy | Minimal |
| * Intestine Large, Rectum | Lymphoid Tiss | Hyperplasia | Mild |
| * Kidney | | Nephropathy | Chronicprogr, Minimal |
| * Liver | | Infiltration Cellular | Mixed Cell, Minimal |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/02/2018

Time Report Requested: 13:31:50

First Dose M/F: 09/16/12 / 09/16/12

Lab: IIT

ANIMAL ID: 1842

TRT#: 7

SEX: Male

DAY ON TEST: 94

DOSE: 6.0W/kg(CDMA)chr

DISP: Scheduled Sacrifice

HISTO: 12-5224-1842

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Aorta | * Bone |
| * Bone Marrow | * Brain | * Epididymis | * Esophagus |
| * Eye | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Liver | * Lung | * Lymph Node, Mesenteric | * Nerve Trigeminal |
| * Nose | * Pancreas | * Parathyroid Gland | * Peripheral Nerve, Sciatic |
| * Peripheral Nerve, Tibial | * Preputial Gland | * Prostate | * Salivary Glands |
| * Seminal Vesicle | Skeletal Muscle | * Skin | * Spinal Cord, Cervical |
| * Spinal Cord, Lumbar | * Spinal Cord, Thoracic | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Testis | * Thymus | * Thyroid Gland |
| * Trachea | Trigeminal Ganglion | * Urinary Bladder | |

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | | |
|--------------------------|---------------|----------------|-------------------------|
| * Harderian Gland | | Inflammation | Chronic Active, Minimal |
| * Heart | Ventricle Rgt | Cardiomyopathy | Minimal |
| | | Cardiomyopathy | Minimal |
| * Kidney | | Nephropathy | Chronicprogr, Minimal |
| * Lymph Node, Mandibular | | Hemorrhage | Minimal |
| * Pituitary Gland | Pars Intermed | Cyst | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/02/2018

Time Report Requested: 13:31:50

First Dose M/F: 09/16/12 / 09/16/12

Lab: IIT

ANIMAL ID: 1850

TRT#: 7

SEX: Male

DAY ON TEST: 94

DOSE: 6.0W/kg(CDMA)chr

DISP: Scheduled Sacrifice

HISTO: 12-5224-1850

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Aorta | * Bone |
| * Bone Marrow | * Brain | * Epididymis | * Esophagus |
| * Eye | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nerve Trigeminal | * Nose |
| * Pancreas | * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Peripheral Nerve, Tibial |
| * Pituitary Gland | * Prostate | * Salivary Glands | * Seminal Vesicle |
| Skeletal Muscle | * Skin | * Spinal Cord, Cervical | * Spinal Cord, Lumbar |
| * Spinal Cord, Thoracic | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Testis | * Thymus | * Thyroid Gland | * Trachea |
| Trigeminal Ganglion | * Urinary Bladder | | |

OBSERVATIONS

- | | | |
|-------------------|-----------------------|-------------------------|
| * Kidney | Nephropathy | Chronicprogr, Minimal |
| * Liver | Infiltration Cellular | Mixed Cell, Minimal |
| * Preputial Gland | Inflammation | Chronic Active, Minimal |

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/02/2018

Time Report Requested: 13:31:50

First Dose M/F: 09/16/12 / 09/16/12

Lab: IIT

ANIMAL ID: 1859

TRT#: 7

SEX: Male

DAY ON TEST: 94

DOSE: 6.0W/kg(CDMA)chr

DISP: Scheduled Sacrifice

HISTO: 12-5224-1859

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Aorta | * Bone |
| * Bone Marrow | * Brain | * Epididymis | * Esophagus |
| * Eye | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nerve Trigeminal | * Nose |
| * Pancreas | * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Peripheral Nerve, Tibial |
| * Pituitary Gland | * Prostate | * Salivary Glands | * Seminal Vesicle |
| Skeletal Muscle | * Skin | * Spinal Cord, Cervical | * Spinal Cord, Lumbar |
| * Spinal Cord, Thoracic | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Testis | * Thyroid Gland | * Trachea | Trigeminal Ganglion |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | |
|-------------------|-----------------------|-------------------------|
| * Kidney | Nephropathy | Chronicprogr, Minimal |
| * Liver | Infiltration Cellular | Mixed Cell, Minimal |
| * Preputial Gland | Inflammation | Chronic Active, Minimal |
| * Thymus | Hemorrhage | Minimal |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/02/2018

Time Report Requested: 13:31:50

First Dose M/F: 09/16/12 / 09/16/12

Lab: IIT

ANIMAL ID: 606

TRT#: 2

SEX: Female

DAY ON TEST: 93

DOSE: 0.0W/kg(CDMA)chr

DISP: Scheduled Sacrifice

HISTO: 12-5224-606

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|----------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Aorta | * Bone |
| * Bone Marrow | * Brain | * Clitoral Gland | * Esophagus |
| * Eye | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney | * Liver |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Nerve Trigeminal |
| * Nose | * Ovary | * Pancreas | * Parathyroid Gland |
| * Peripheral Nerve, Sciatic | * Peripheral Nerve, Tibial | * Pituitary Gland | * Salivary Glands |
| Skeletal Muscle | * Skin | * Spinal Cord, Cervical | * Spinal Cord, Lumbar |
| * Spinal Cord, Thoracic | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Thymus | * Thyroid Gland | * Trachea | Trigeminal Ganglion |
| * Urinary Bladder | * Uterus | | |

OBSERVATIONS

- | | | | |
|--------|----------|-----------------------|---------------------|
| * Lung | Alveolus | Infiltration Cellular | Histiocyte, Minimal |
|--------|----------|-----------------------|---------------------|

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/02/2018

Time Report Requested: 13:31:50

First Dose M/F: 09/16/12 / 09/16/12

Lab: IIT

ANIMAL ID: 612

TRT#: 2

SEX: Female

DAY ON TEST: 93

DOSE: 0.0W/kg(CDMA)chr

DISP: Scheduled Sacrifice

HISTO: 12-5224-612

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|-----------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Aorta | * Bone |
| * Bone Marrow | * Brain | * Clitoral Gland | * Esophagus |
| * Eye | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney | * Liver |
| * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland |
| * Nerve Trigeminal | * Nose | * Ovary | * Pancreas |
| * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Peripheral Nerve, Tibial | * Salivary Glands |
| Skeletal Muscle | * Skin | * Spinal Cord, Cervical | * Spinal Cord, Lumbar |
| * Spinal Cord, Thoracic | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Thymus | * Thyroid Gland | * Trachea | Trigeminal Ganglion |
| * Urinary Bladder | * Uterus | | |

OBSERVATIONS

- | | | |
|-------------------|---------------|------|
| * Pituitary Gland | Pars Distalis | Cyst |
|-------------------|---------------|------|

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/02/2018

Time Report Requested: 13:31:50

First Dose M/F: 09/16/12 / 09/16/12

Lab: IIT

ANIMAL ID: 620

TRT#: 2

SEX: Female

DAY ON TEST: 93

DOSE: 0.0W/kg(CDMA)chr

DISP: Scheduled Sacrifice

HISTO: 12-5224-620

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|----------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Aorta | * Bone |
| * Bone Marrow | * Brain | * Clitoral Gland | * Esophagus |
| * Eye | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney | * Liver |
| * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland |
| * Nerve Trigeminal | * Nose | * Pancreas | * Parathyroid Gland |
| * Peripheral Nerve, Sciatic | * Peripheral Nerve, Tibial | * Pituitary Gland | * Salivary Glands |
| Skeletal Muscle | * Skin | * Spinal Cord, Cervical | * Spinal Cord, Lumbar |
| * Spinal Cord, Thoracic | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Thymus | * Thyroid Gland | * Trachea | Trigeminal Ganglion |
| * Urinary Bladder | * Uterus | | |

OBSERVATIONS

- * Lung
 - Note: No histopathological correlate for pigmentation
- * Ovary
 - Follicle
 - Cyst

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/02/2018

Time Report Requested: 13:31:50

First Dose M/F: 09/16/12 / 09/16/12

Lab: IIT

ANIMAL ID: 650

TRT#: 2

SEX: Female

DAY ON TEST: 93

DOSE: 0.0W/kg(CDMA)chr

DISP: Scheduled Sacrifice

HISTO: 12-5224-650

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Aorta | * Bone |
| * Bone Marrow | * Brain | * Clitoral Gland | * Esophagus |
| * Eye | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Liver | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nerve Trigeminal | * Nose |
| * Ovary | * Pancreas | * Parathyroid Gland | * Peripheral Nerve, Sciatic |
| * Peripheral Nerve, Tibial | * Salivary Glands | Skeletal Muscle | * Skin |
| * Spinal Cord, Cervical | * Spinal Cord, Lumbar | * Spinal Cord, Thoracic | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Thyroid Gland |
| * Trachea | Trigeminal Ganglion | * Urinary Bladder | * Uterus |

OBSERVATIONS

- | | | | |
|-------------------|---------------|-----------------------|-----------------------|
| * Kidney | | Nephropathy | Chronicprogr, Minimal |
| * Lung | Alveolus | Infiltration Cellular | Histiocyte, Minimal |
| * Pituitary Gland | Pars Distalis | Cyst | |

Animal Note: TGL 1 = NCL (No Corresponding Lesion)

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/02/2018

Time Report Requested: 13:31:50

First Dose M/F: 09/16/12 / 09/16/12

Lab: IIT

ANIMAL ID: 667

TRT#: 2

SEX: Female

DAY ON TEST: 93

DOSE: 0.0W/kg(CDMA)chr

DISP: Scheduled Sacrifice

HISTO: 12-5224-667

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|----------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Aorta | * Bone |
| * Bone Marrow | * Brain | * Clitoral Gland | * Esophagus |
| * Eye | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Liver | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Nerve Trigeminal |
| * Nose | * Ovary | * Pancreas | * Parathyroid Gland |
| * Peripheral Nerve, Sciatic | * Peripheral Nerve, Tibial | * Pituitary Gland | * Salivary Glands |
| Skeletal Muscle | * Skin | * Spinal Cord, Cervical | * Spinal Cord, Lumbar |
| * Spinal Cord, Thoracic | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |
| * Uterus | | | |

INSUFFICIENT TISSUE

Trigeminal Ganglion

OBSERVATIONS

* Kidney	Nephropathy	Chronicprogr, Minimal
----------	-------------	-----------------------

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/02/2018

Time Report Requested: 13:31:50

First Dose M/F: 09/16/12 / 09/16/12

Lab: IIT

ANIMAL ID: 673

TRT#: 2

SEX: Female

DAY ON TEST: 93

DOSE: 0.0W/kg(CDMA)chr

DISP: Scheduled Sacrifice

HISTO: 12-5224-673

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|-----------------------------|--------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Aorta | * Bone |
| * Bone Marrow | * Brain | * Esophagus | * Eye |
| * Harderian Gland | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Liver | * Lung | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nerve Trigeminal | * Nose |
| * Ovary | * Pancreas | * Parathyroid Gland | * Peripheral Nerve, Sciatic |
| * Peripheral Nerve, Tibial | * Pituitary Gland | * Salivary Glands | Skeletal Muscle |
| * Skin | * Spinal Cord, Cervical | * Spinal Cord, Lumbar | * Spinal Cord, Thoracic |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Thymus |
| * Thyroid Gland | * Trachea | Trigeminal Ganglion | * Urinary Bladder |
| * Uterus | | | |

OBSERVATIONS

- | | | |
|------------------|--------------|-------------------------|
| * Clitoral Gland | Inflammation | Chronic Active, Minimal |
| * Kidney | Nephropathy | Chronicprogr, Minimal |

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/02/2018

Time Report Requested: 13:31:50

First Dose M/F: 09/16/12 / 09/16/12

Lab: IIT

ANIMAL ID: 676

TRT#: 2

SEX: Female

DAY ON TEST: 93

DOSE: 0.0W/kg(CDMA)chr

DISP: Scheduled Sacrifice

HISTO: 12-5224-676

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Aorta | * Bone |
| * Bone Marrow | * Brain | * Esophagus | * Eye |
| * Heart | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Kidney | * Liver | * Lung | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nerve Trigeminal | * Nose |
| * Ovary | * Pancreas | * Parathyroid Gland | * Peripheral Nerve, Sciatic |
| * Peripheral Nerve, Tibial | * Pituitary Gland | * Salivary Glands | Skeletal Muscle |
| * Skin | * Spinal Cord, Cervical | * Spinal Cord, Lumbar | * Spinal Cord, Thoracic |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Thymus |
| * Thyroid Gland | * Trachea | Trigeminal Ganglion | * Urinary Bladder |
| * Uterus | | | |

OBSERVATIONS

- | | | |
|-------------------|-----------------------|-------------------------|
| * Clitoral Gland | Inflammation | Chronic Active, Minimal |
| * Harderian Gland | Infiltration Cellular | Lymphocyte, Minimal |

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/02/2018

Time Report Requested: 13:31:50

First Dose M/F: 09/16/12 / 09/16/12

Lab: IIT

ANIMAL ID: 682

TRT#: 2

SEX: Female

DAY ON TEST: 93

DOSE: 0.0W/kg(CDMA)chr

DISP: Scheduled Sacrifice

HISTO: 12-5224-682

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Aorta | * Bone |
| * Bone Marrow | * Brain | * Esophagus | * Eye |
| * Harderian Gland | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Kidney | * Liver | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Nerve Trigeminal |
| * Nose | * Ovary | * Pancreas | * Parathyroid Gland |
| * Peripheral Nerve, Sciatic | * Peripheral Nerve, Tibial | * Pituitary Gland | * Salivary Glands |
| Skeletal Muscle | * Skin | * Spinal Cord, Cervical | * Spinal Cord, Lumbar |
| * Spinal Cord, Thoracic | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Thymus | * Thyroid Gland | * Trachea | Trigeminal Ganglion |
| * Urinary Bladder | * Uterus | | |

OBSERVATIONS

- | | | |
|------------------|--------------|-------------------------|
| * Clitoral Gland | Inflammation | Chronic Active, Minimal |
|------------------|--------------|-------------------------|

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/02/2018

Time Report Requested: 13:31:50

First Dose M/F: 09/16/12 / 09/16/12

Lab: IIT

ANIMAL ID: 685

TRT#: 2

SEX: Female

DAY ON TEST: 93

DOSE: 0.0W/kg(CDMA)chr

DISP: Scheduled Sacrifice

HISTO: 12-5224-685

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Aorta | * Bone |
| * Bone Marrow | * Brain | * Clitoral Gland | * Esophagus |
| * Eye | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Kidney | * Liver | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Nerve Trigeminal |
| * Nose | * Ovary | * Pancreas | * Parathyroid Gland |
| * Peripheral Nerve, Sciatic | * Peripheral Nerve, Tibial | * Salivary Glands | Skeletal Muscle |
| * Skin | * Spinal Cord, Cervical | * Spinal Cord, Lumbar | * Spinal Cord, Thoracic |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Thymus |
| * Thyroid Gland | * Trachea | Trigeminal Ganglion | * Urinary Bladder |
| * Uterus | | | |

OBSERVATIONS

- | | | | |
|---------------------------|---------------|-------------|------|
| * Intestine Large, Rectum | Lymphoid Tiss | Hyperplasia | Mild |
| * Pituitary Gland | Pars Intermed | Cyst | |

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/02/2018

Time Report Requested: 13:31:50

First Dose M/F: 09/16/12 / 09/16/12

Lab: IIT

ANIMAL ID: 700

TRT#: 2

SEX: Female

DAY ON TEST: 93

DOSE: 0.0W/kg(CDMA)chr

DISP: Scheduled Sacrifice

HISTO: 12-5224-700

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|-----------------------------|--------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Aorta | * Bone |
| * Bone Marrow | * Brain | * Esophagus | * Eye |
| * Harderian Gland | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Kidney | * Lung | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nerve Trigeminal | * Nose |
| * Ovary | * Pancreas | * Parathyroid Gland | * Peripheral Nerve, Sciatic |
| * Peripheral Nerve, Tibial | * Pituitary Gland | * Salivary Glands | Skeletal Muscle |
| * Skin | * Spinal Cord, Cervical | * Spinal Cord, Lumbar | * Spinal Cord, Thoracic |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland |
| * Trachea | Trigeminal Ganglion | * Urinary Bladder | * Uterus |

OBSERVATIONS

- | | | |
|---|-----------------------|-------------------------|
| * Clitoral Gland | Inflammation | Chronic Active, Minimal |
| * Liver | Infiltration Cellular | Mixed Cell, Minimal |
| * Lung | | |
| Note: No histopathological correlate for pigmentation | | |
| * Thymus | Hemorrhage | Minimal |

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/02/2018

Time Report Requested: 13:31:50

First Dose M/F: 09/16/12 / 09/16/12

Lab: IIT

ANIMAL ID: 1484

TRT#: 4

SEX: Female

DAY ON TEST: 93

DOSE: 1.5W/kg(CDMA)chr

DISP: Scheduled Sacrifice

HISTO: 12-5224-1484

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|-----------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Aorta | * Bone |
| * Bone Marrow | * Brain | * Clitoral Gland | * Esophagus |
| * Eye | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney | * Liver |
| * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland |
| * Nerve Trigeminal | * Nose | * Ovary | * Pancreas |
| * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Peripheral Nerve, Tibial | * Pituitary Gland |
| * Salivary Glands | Skeletal Muscle | * Skin | * Spinal Cord, Cervical |
| * Spinal Cord, Lumbar | * Spinal Cord, Thoracic | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | * Uterus | | |

INSUFFICIENT TISSUE

Trigeminal Ganglion

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/02/2018

Time Report Requested: 13:31:50

First Dose M/F: 09/16/12 / 09/16/12

Lab: IIT

ANIMAL ID: 1488

TRT#: 4

SEX: Female

DAY ON TEST: 93

DOSE: 1.5W/kg(CDMA)chr

DISP: Scheduled Sacrifice

HISTO: 12-5224-1488

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|-----------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Aorta | * Bone |
| * Bone Marrow | * Brain | * Clitoral Gland | * Esophagus |
| * Eye | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney | * Liver |
| * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland |
| * Nerve Trigeminal | * Nose | * Ovary | * Pancreas |
| * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Peripheral Nerve, Tibial | * Salivary Glands |
| Skeletal Muscle | * Skin | * Spinal Cord, Cervical | * Spinal Cord, Lumbar |
| * Spinal Cord, Thoracic | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Thymus | * Thyroid Gland | * Trachea | Trigeminal Ganglion |
| * Urinary Bladder | * Uterus | | |

OBSERVATIONS

- | | | |
|-------------------|---------------|------|
| * Pituitary Gland | Rathkes Cleft | Cyst |
|-------------------|---------------|------|

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/02/2018

Time Report Requested: 13:31:50

First Dose M/F: 09/16/12 / 09/16/12

Lab: IIT

ANIMAL ID: 1498

TRT#: 4

SEX: Female

DAY ON TEST: 93

DOSE: 1.5W/kg(CDMA)chr

DISP: Scheduled Sacrifice

HISTO: 12-5224-1498

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|----------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Aorta | * Bone |
| * Bone Marrow | * Brain | * Clitoral Gland | * Esophagus |
| * Eye | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Liver | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Nerve Trigeminal |
| * Nose | * Ovary | * Pancreas | * Parathyroid Gland |
| * Peripheral Nerve, Sciatic | * Peripheral Nerve, Tibial | * Pituitary Gland | * Salivary Glands |
| Skeletal Muscle | * Skin | * Spinal Cord, Cervical | * Spinal Cord, Lumbar |
| * Spinal Cord, Thoracic | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Thymus | * Thyroid Gland | * Trachea | Trigeminal Ganglion |
| * Urinary Bladder | * Uterus | | |

OBSERVATIONS

- | | | |
|----------|-------------|-----------------------|
| * Kidney | Nephropathy | Chronicprogr, Minimal |
|----------|-------------|-----------------------|

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/02/2018

Time Report Requested: 13:31:50

First Dose M/F: 09/16/12 / 09/16/12

Lab: IIT

ANIMAL ID: 1500

TRT#: 4

SEX: Female

DAY ON TEST: 93

DOSE: 1.5W/kg(CDMA)chr

DISP: Scheduled Sacrifice

HISTO: 12-5224-1500

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Aorta | * Bone |
| * Bone Marrow | * Brain | * Esophagus | * Eye |
| * Harderian Gland | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Kidney | * Liver | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Nerve Trigeminal |
| * Nose | * Ovary | * Pancreas | * Parathyroid Gland |
| * Peripheral Nerve, Sciatic | * Peripheral Nerve, Tibial | * Pituitary Gland | * Salivary Glands |
| Skeletal Muscle | * Skin | * Spinal Cord, Cervical | * Spinal Cord, Lumbar |
| * Spinal Cord, Thoracic | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Thymus | * Thyroid Gland | * Trachea | Trigeminal Ganglion |
| * Urinary Bladder | * Uterus | | |

OBSERVATIONS

- | | | |
|------------------|--------------|-------------------------|
| * Clitoral Gland | Inflammation | Chronic Active, Minimal |
|------------------|--------------|-------------------------|

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/02/2018

Time Report Requested: 13:31:50

First Dose M/F: 09/16/12 / 09/16/12

Lab: IIT

ANIMAL ID: 1503

TRT#: 4

SEX: Female

DAY ON TEST: 93

DOSE: 1.5W/kg(CDMA)chr

DISP: Scheduled Sacrifice

HISTO: 12-5224-1503

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Aorta | * Bone |
| * Bone Marrow | * Brain | * Esophagus | * Eye |
| * Harderian Gland | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Kidney | * Liver | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Nerve Trigeminal |
| * Nose | * Ovary | * Pancreas | * Parathyroid Gland |
| * Peripheral Nerve, Sciatic | * Peripheral Nerve, Tibial | * Pituitary Gland | * Salivary Glands |
| Skeletal Muscle | * Skin | * Spinal Cord, Cervical | * Spinal Cord, Lumbar |
| * Spinal Cord, Thoracic | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Thyroid Gland | * Trachea | Trigeminal Ganglion | * Urinary Bladder |
| * Uterus | | | |

OBSERVATIONS

- | | | |
|------------------|--------------|----------------------|
| * Clitoral Gland | Inflammation | Chronic Active, Mild |
| * Thymus | Hemorrhage | Minimal |

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/02/2018

Time Report Requested: 13:31:50

First Dose M/F: 09/16/12 / 09/16/12

Lab: IIT

ANIMAL ID: 1506

TRT#: 4

SEX: Female

DAY ON TEST: 93

DOSE: 1.5W/kg(CDMA)chr

DISP: Scheduled Sacrifice

HISTO: 12-5224-1506

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|----------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Aorta | * Bone |
| * Bone Marrow | * Brain | * Clitoral Gland | * Esophagus |
| * Eye | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Liver | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Nerve Trigeminal |
| * Nose | * Ovary | * Pancreas | * Parathyroid Gland |
| * Peripheral Nerve, Sciatic | * Peripheral Nerve, Tibial | * Pituitary Gland | * Salivary Glands |
| Skeletal Muscle | * Skin | * Spinal Cord, Cervical | * Spinal Cord, Lumbar |
| * Spinal Cord, Thoracic | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Thymus | * Thyroid Gland | * Trachea | Trigeminal Ganglion |
| * Urinary Bladder | * Uterus | | |

OBSERVATIONS

- | | | |
|----------|-------------|-----------------------|
| * Kidney | Nephropathy | Chronicprogr, Minimal |
|----------|-------------|-----------------------|

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/02/2018

Time Report Requested: 13:31:50

First Dose M/F: 09/16/12 / 09/16/12

Lab: IIT

ANIMAL ID: 1508

TRT#: 4

SEX: Female

DAY ON TEST: 93

DOSE: 1.5W/kg(CDMA)chr

DISP: Scheduled Sacrifice

HISTO: 12-5224-1508

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Aorta | * Bone |
| * Bone Marrow | * Brain | * Esophagus | * Eye |
| * Harderian Gland | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Kidney | * Liver | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Nerve Trigeminal |
| * Nose | * Ovary | * Pancreas | * Parathyroid Gland |
| * Peripheral Nerve, Sciatic | * Peripheral Nerve, Tibial | * Pituitary Gland | * Salivary Glands |
| Skeletal Muscle | * Skin | * Spinal Cord, Cervical | * Spinal Cord, Lumbar |
| * Spinal Cord, Thoracic | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Thyroid Gland | * Trachea | Trigeminal Ganglion | * Urinary Bladder |
| * Uterus | | | |

OBSERVATIONS

- | | | |
|--------------------------|--------------|-------------------------|
| * Brain | | |
| Note: No olfactory bulbs | | |
| * Clitoral Gland | Inflammation | Chronic Active, Minimal |
| * Thymus | Hemorrhage | Minimal |

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/02/2018

Time Report Requested: 13:31:50

First Dose M/F: 09/16/12 / 09/16/12

Lab: IIT

ANIMAL ID: 1509

TRT#: 4

SEX: Female

DAY ON TEST: 93

DOSE: 1.5W/kg(CDMA)chr

DISP: Scheduled Sacrifice

HISTO: 12-5224-1509

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|----------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Aorta | * Bone |
| * Bone Marrow | * Brain | * Clitoral Gland | * Esophagus |
| * Eye | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Nerve Trigeminal |
| * Nose | * Ovary | * Pancreas | * Parathyroid Gland |
| * Peripheral Nerve, Sciatic | * Peripheral Nerve, Tibial | * Pituitary Gland | * Salivary Glands |
| Skeletal Muscle | * Skin | * Spinal Cord, Cervical | * Spinal Cord, Lumbar |
| * Spinal Cord, Thoracic | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Thymus | * Thyroid Gland | * Trachea | Trigeminal Ganglion |
| * Urinary Bladder | * Uterus | | |

OBSERVATIONS

- | | | |
|---------|-----------------------|---------------------|
| * Liver | Infiltration Cellular | Mixed Cell, Minimal |
|---------|-----------------------|---------------------|

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/02/2018

Time Report Requested: 13:31:50

First Dose M/F: 09/16/12 / 09/16/12

Lab: IIT

ANIMAL ID: 1518

TRT#: 4

SEX: Female

DAY ON TEST: 93

DOSE: 1.5W/kg(CDMA)chr

DISP: Scheduled Sacrifice

HISTO: 12-5224-1518

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Aorta	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Liver
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nerve Trigeminal	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Peripheral Nerve, Tibial	* Pituitary Gland
* Salivary Glands	Skeletal Muscle	* Skin	* Spinal Cord, Cervical
* Spinal Cord, Lumbar	* Spinal Cord, Thoracic	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
Trigeminal Ganglion	* Urinary Bladder	* Uterus	

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/02/2018

Time Report Requested: 13:31:50

First Dose M/F: 09/16/12 / 09/16/12

Lab: IIT

ANIMAL ID: 1538

TRT#: 4

SEX: Female

DAY ON TEST: 93

DOSE: 1.5W/kg(CDMA)chr

DISP: Scheduled Sacrifice

HISTO: 12-5224-1538

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|-----------------------------|--------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Aorta | * Bone |
| * Bone Marrow | * Brain | * Esophagus | * Eye |
| * Harderian Gland | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Liver | * Lung | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nerve Trigeminal | * Nose |
| * Ovary | * Pancreas | * Parathyroid Gland | * Peripheral Nerve, Sciatic |
| * Peripheral Nerve, Tibial | * Pituitary Gland | * Salivary Glands | Skeletal Muscle |
| * Skin | * Spinal Cord, Cervical | * Spinal Cord, Lumbar | * Spinal Cord, Thoracic |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Thymus |
| * Thyroid Gland | * Trachea | Trigeminal Ganglion | * Urinary Bladder |
| * Uterus | | | |

OBSERVATIONS

- | | | |
|------------------|--------------|-------------------------|
| * Clitoral Gland | Inflammation | Chronic Active, Minimal |
| * Kidney | Nephropathy | Chronicprogr, Minimal |

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/02/2018

Time Report Requested: 13:31:50

First Dose M/F: 09/16/12 / 09/16/12

Lab: IIT

ANIMAL ID: 1664

TRT#: 6

SEX: Female

DAY ON TEST: 93

DOSE: 3.0W/kg(CDMA)chr

DISP: Scheduled Sacrifice

HISTO: 12-5224-1664

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|----------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Aorta | * Bone |
| * Bone Marrow | * Brain | * Clitoral Gland | * Esophagus |
| * Eye | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Liver | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Nerve Trigeminal |
| * Nose | * Ovary | * Pancreas | * Parathyroid Gland |
| * Peripheral Nerve, Sciatic | * Peripheral Nerve, Tibial | * Salivary Glands | Skeletal Muscle |
| * Skin | * Spinal Cord, Cervical | * Spinal Cord, Lumbar | * Spinal Cord, Thoracic |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Thymus |
| * Thyroid Gland | * Trachea | Trigeminal Ganglion | * Urinary Bladder |
| * Uterus | | | |

OBSERVATIONS

- | | | | |
|--------------------------|---------------|-------------|-----------------------|
| * Brain | | | |
| Note: One olfactory bulb | | | |
| * Kidney | | Nephropathy | Chronicprogr, Minimal |
| * Pituitary Gland | Pars Intermed | Cyst | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/02/2018

Time Report Requested: 13:31:50

First Dose M/F: 09/16/12 / 09/16/12

Lab: IIT

ANIMAL ID: 1669

TRT#: 6

SEX: Female

DAY ON TEST: 93

DOSE: 3.0W/kg(CDMA)chr

DISP: Scheduled Sacrifice

HISTO: 12-5224-1669

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|-----------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Aorta | * Bone |
| * Bone Marrow | * Brain | * Esophagus | * Eye |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Liver | * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Mammary Gland | * Nerve Trigeminal | * Nose | * Ovary |
| * Pancreas | * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Peripheral Nerve, Tibial |
| * Pituitary Gland | * Salivary Glands | Skeletal Muscle | * Skin |
| * Spinal Cord, Cervical | * Spinal Cord, Lumbar | * Spinal Cord, Thoracic | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Thyroid Gland |
| * Trachea | Trigeminal Ganglion | * Urinary Bladder | * Uterus |

OBSERVATIONS

- | | | |
|------------------|----------------|-------------------------|
| * Clitoral Gland | Inflammation | Chronic Active, Minimal |
| * Heart | Cardiomyopathy | Minimal |
| * Kidney | Nephropathy | Chronicprogr, Minimal |
| * Nerve Tibial | | |

Note: Cross section not present

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/02/2018

Time Report Requested: 13:31:50

First Dose M/F: 09/16/12 / 09/16/12

Lab: IIT

ANIMAL ID: 1680

TRT#: 6

SEX: Female

DAY ON TEST: 93

DOSE: 3.0W/kg(CDMA)chr

DISP: Scheduled Sacrifice

HISTO: 12-5224-1680

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Aorta | * Bone |
| * Bone Marrow | * Brain | * Clitoral Gland | * Esophagus |
| * Eye | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Kidney | * Liver | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Nerve Trigeminal |
| * Nose | * Ovary | * Pancreas | * Parathyroid Gland |
| * Peripheral Nerve, Sciatic | * Peripheral Nerve, Tibial | * Pituitary Gland | * Salivary Glands |
| Skeletal Muscle | * Skin | * Spinal Cord, Cervical | * Spinal Cord, Lumbar |
| * Spinal Cord, Thoracic | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Thymus | * Thyroid Gland | * Trachea | Trigeminal Ganglion |
| * Urinary Bladder | * Uterus | | |

OBSERVATIONS

- | | | | |
|---------|---------------|----------------|---------|
| * Heart | Ventricle Rgt | Cardiomyopathy | Minimal |
|---------|---------------|----------------|---------|

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/02/2018

Time Report Requested: 13:31:50

First Dose M/F: 09/16/12 / 09/16/12

Lab: IIT

ANIMAL ID: 1694

TRT#: 6

SEX: Female

DAY ON TEST: 93

DOSE: 3.0W/kg(CDMA)chr

DISP: Scheduled Sacrifice

HISTO: 12-5224-1694

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|----------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Aorta | * Bone |
| * Bone Marrow | * Brain | * Clitoral Gland | * Esophagus |
| * Eye | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney | * Liver |
| * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland |
| * Nerve Trigeminal | * Nose | * Pancreas | * Parathyroid Gland |
| * Peripheral Nerve, Sciatic | * Peripheral Nerve, Tibial | * Pituitary Gland | * Salivary Glands |
| Skeletal Muscle | * Skin | * Spinal Cord, Cervical | * Spinal Cord, Lumbar |
| * Spinal Cord, Thoracic | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Thymus | * Thyroid Gland | * Trachea | Trigeminal Ganglion |
| * Urinary Bladder | * Uterus | | |

OBSERVATIONS

- * Lung

Note: No histopathological correlate for pigmentation

- | | | |
|---------|----------|------|
| * Ovary | Follicle | Cyst |
|---------|----------|------|

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/02/2018

Time Report Requested: 13:31:50

First Dose M/F: 09/16/12 / 09/16/12

Lab: IIT

ANIMAL ID: 1713

TRT#: 6

SEX: Female

DAY ON TEST: 93

DOSE: 3.0W/kg(CDMA)chr

DISP: Scheduled Sacrifice

HISTO: 12-5224-1713

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Aorta | * Bone |
| * Bone Marrow | * Brain | * Esophagus | * Eye |
| * Harderian Gland | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Kidney | * Liver | * Lung | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nerve Trigeminal | * Nose |
| * Ovary | * Pancreas | * Parathyroid Gland | * Peripheral Nerve, Sciatic |
| * Peripheral Nerve, Tibial | * Salivary Glands | Skeletal Muscle | * Skin |
| * Spinal Cord, Cervical | * Spinal Cord, Lumbar | * Spinal Cord, Thoracic | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Thyroid Gland |
| * Trachea | Trigeminal Ganglion | * Urinary Bladder | * Uterus |

OBSERVATIONS

- | | | | |
|---|---------------|--------------|-------------------------|
| * Clitoral Gland | | Inflammation | Chronic Active, Minimal |
| * Intestine Large, Rectum | Lymphoid Tiss | Hyperplasia | Moderate |
| * Lung | | | |
| Note: No histopathological correlate for pigmentation | | | |
| * Pituitary Gland | Pars Intermed | Cyst | |
| Note: Remnant of Rathke's cleft epithelium present | | | |

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/02/2018

Time Report Requested: 13:31:50

First Dose M/F: 09/16/12 / 09/16/12

Lab: IIT

ANIMAL ID: 1726

TRT#: 6

SEX: Female

DAY ON TEST: 93

DOSE: 3.0W/kg(CDMA)chr

DISP: Scheduled Sacrifice

HISTO: 12-5224-1726

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|-----------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Aorta | * Bone |
| * Bone Marrow | * Brain | * Clitoral Gland | * Esophagus |
| * Eye | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney | * Liver |
| * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland |
| * Nerve Trigeminal | * Nose | * Ovary | * Pancreas |
| * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Peripheral Nerve, Tibial | * Pituitary Gland |
| * Salivary Glands | Skeletal Muscle | * Skin | * Spinal Cord, Cervical |
| * Spinal Cord, Lumbar | * Spinal Cord, Thoracic | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Thyroid Gland | * Trachea | Trigeminal Ganglion |
| * Urinary Bladder | * Uterus | | |

OBSERVATIONS

- | | | |
|----------|------------|---------|
| * Thymus | Hemorrhage | Minimal |
|----------|------------|---------|

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/02/2018

Time Report Requested: 13:31:50

First Dose M/F: 09/16/12 / 09/16/12

Lab: IIT

ANIMAL ID: 1731

TRT#: 6

SEX: Female

DAY ON TEST: 93

DOSE: 3.0W/kg(CDMA)chr

DISP: Scheduled Sacrifice

HISTO: 12-5224-1731

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|-----------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Aorta | * Bone |
| * Bone Marrow | * Brain | * Esophagus | * Eye |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Liver | * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Mammary Gland | * Nerve Trigeminal | * Nose | * Ovary |
| * Pancreas | * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Peripheral Nerve, Tibial |
| * Pituitary Gland | * Salivary Glands | Skeletal Muscle | * Skin |
| * Spinal Cord, Cervical | * Spinal Cord, Lumbar | * Spinal Cord, Thoracic | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Thyroid Gland |
| * Trachea | Trigeminal Ganglion | * Urinary Bladder | * Uterus |

OBSERVATIONS

- | | | |
|------------------|----------------|-------------------------|
| * Clitoral Gland | Inflammation | Chronic Active, Minimal |
| * Heart | Cardiomyopathy | Minimal |
| * Kidney | Nephropathy | Chronicprogr, Minimal |

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/02/2018

Time Report Requested: 13:31:50

First Dose M/F: 09/16/12 / 09/16/12

Lab: IIT

ANIMAL ID: 1733

TRT#: 6

SEX: Female

DAY ON TEST: 93

DOSE: 3.0W/kg(CDMA)chr

DISP: Scheduled Sacrifice

HISTO: 12-5224-1733

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|-----------------------------|--------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Aorta | * Bone |
| * Bone Marrow | * Brain | * Clitoral Gland | * Esophagus |
| * Eye | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Liver | * Lung | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nerve Trigeminal | * Nose |
| * Ovary | * Pancreas | * Parathyroid Gland | * Peripheral Nerve, Sciatic |
| * Peripheral Nerve, Tibial | * Pituitary Gland | * Salivary Glands | Skeletal Muscle |
| * Skin | * Spinal Cord, Cervical | * Spinal Cord, Lumbar | * Spinal Cord, Thoracic |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Thymus |
| * Thyroid Gland | * Trachea | Trigeminal Ganglion | * Urinary Bladder |
| * Uterus | | | |

OBSERVATIONS

- | | | | |
|---------------------------|---------------|-------------|-----------------------|
| * Intestine Large, Rectum | Lymphoid Tiss | Hyperplasia | Marked |
| * Kidney | | Nephropathy | Chronicprogr, Minimal |

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/02/2018

Time Report Requested: 13:31:50

First Dose M/F: 09/16/12 / 09/16/12

Lab: IIT

ANIMAL ID: 1748

TRT#: 6

SEX: Female

DAY ON TEST: 93

DOSE: 3.0W/kg(CDMA)chr

DISP: Scheduled Sacrifice

HISTO: 12-5224-1748

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|-----------------------------|--------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Aorta | * Bone |
| * Bone Marrow | * Brain | * Esophagus | * Eye |
| * Harderian Gland | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Kidney | * Liver | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Nerve Trigeminal |
| * Nose | * Ovary | * Pancreas | * Peripheral Nerve, Sciatic |
| * Peripheral Nerve, Tibial | * Pituitary Gland | * Salivary Glands | Skeletal Muscle |
| * Skin | * Spinal Cord, Cervical | * Spinal Cord, Lumbar | * Spinal Cord, Thoracic |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Thymus |
| * Trachea | Trigeminal Ganglion | * Urinary Bladder | * Uterus |

MISSING

- * Parathyroid Gland

OBSERVATIONS

- * Brain
 - Note: No olfactory bulbs
- * Clitoral Gland
 - Inflammation
 - Chronic Active, Minimal
- Lymph Node
 - Pigment
 - Mild
- Note: Lumbar lymph node
 - [Pigment TGLs = 1-20]
- * Thyroid Gland
 - Ectopic Thymus

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/02/2018

Time Report Requested: 13:31:50

First Dose M/F: 09/16/12 / 09/16/12

Lab: IIT

ANIMAL ID: 1750

TRT#: 6

SEX: Female

DAY ON TEST: 93

DOSE: 3.0W/kg(CDMA)chr

DISP: Scheduled Sacrifice

HISTO: 12-5224-1750

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Aorta	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Liver
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nerve Trigeminal	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Peripheral Nerve, Tibial	* Pituitary Gland
* Salivary Glands	Skeletal Muscle	* Skin	* Spinal Cord, Cervical
* Spinal Cord, Lumbar	* Spinal Cord, Thoracic	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
Trigeminal Ganglion	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Brain

Note: One olfactory bulb

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/02/2018

Time Report Requested: 13:31:50

First Dose M/F: 09/16/12 / 09/16/12

Lab: IIT

ANIMAL ID: 1882

TRT#: 8

SEX: Female

DAY ON TEST: 93

DOSE: 6.0W/kg(CDMA)chr

DISP: Scheduled Sacrifice

HISTO: 12-5224-1882

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|----------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Aorta | * Bone |
| * Bone Marrow | * Brain | * Clitoral Gland | * Esophagus |
| * Eye | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Nerve Trigeminal | * Nose | * Ovary | * Pancreas |
| * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Peripheral Nerve, Tibial | * Pituitary Gland |
| * Salivary Glands | Skeletal Muscle | * Skin | * Spinal Cord, Cervical |
| * Spinal Cord, Lumbar | * Spinal Cord, Thoracic | * Stomach, Forestomach | * Stomach, Glandular |
| * Thymus | * Thyroid Gland | * Trachea | Trigeminal Ganglion |
| * Urinary Bladder | * Uterus | | |

OBSERVATIONS

- | | | | |
|--------------------------------|--|------------------------------|---------------------|
| * Brain | | | |
| Note: One olfactory bulb | | | |
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | | Infiltration Cellular | Mixed Cell, Minimal |
| * Liver | | Infiltration Cellular | Mixed Cell, Minimal |
| * Mammary Gland | | Adenocarcinoma | |
| [Adenocarcinoma TGLs = 1-20] | | | |
| * Pituitary Gland | | | |
| Note: Pars distalis only | | | |
| * Spleen | | Extramedullary Hematopoiesis | Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/02/2018

Time Report Requested: 13:31:50

First Dose M/F: 09/16/12 / 09/16/12

Lab: IIT

ANIMAL ID: 1883

TRT#: 8

SEX: Female

DAY ON TEST: 93

DOSE: 6.0W/kg(CDMA)chr

DISP: Scheduled Sacrifice

HISTO: 12-5224-1883

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Aorta | * Bone |
| * Bone Marrow | * Brain | * Esophagus | * Eye |
| * Harderian Gland | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Kidney | * Liver | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Nerve Trigeminal |
| * Nose | * Ovary | * Pancreas | * Parathyroid Gland |
| * Peripheral Nerve, Sciatic | * Peripheral Nerve, Tibial | * Pituitary Gland | * Salivary Glands |
| Skeletal Muscle | * Skin | * Spinal Cord, Cervical | * Spinal Cord, Lumbar |
| * Spinal Cord, Thoracic | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Thymus | * Thyroid Gland | * Trachea | Trigeminal Ganglion |
| * Urinary Bladder | * Uterus | | |

OBSERVATIONS

- | | | |
|------------------|--------------|-------------------------|
| * Clitoral Gland | Inflammation | Chronic Active, Minimal |
|------------------|--------------|-------------------------|

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/02/2018

Time Report Requested: 13:31:50

First Dose M/F: 09/16/12 / 09/16/12

Lab: IIT

ANIMAL ID: 1887

TRT#: 8

SEX: Female

DAY ON TEST: 93

DOSE: 6.0W/kg(CDMA)chr

DISP: Scheduled Sacrifice

HISTO: 12-5224-1887

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Aorta | * Bone |
| * Bone Marrow | * Brain | * Clitoral Gland | * Esophagus |
| * Eye | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Kidney | * Liver | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Nerve Trigeminal |
| * Nose | * Ovary | * Pancreas | * Parathyroid Gland |
| * Peripheral Nerve, Sciatic | * Peripheral Nerve, Tibial | * Pituitary Gland | * Salivary Glands |
| Skeletal Muscle | * Skin | * Spinal Cord, Cervical | * Spinal Cord, Lumbar |
| * Spinal Cord, Thoracic | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Thyroid Gland | * Trachea | Trigeminal Ganglion | * Urinary Bladder |
| * Uterus | | | |

OBSERVATIONS

- | | | |
|-------------------|--------------|---------------------|
| * Harderian Gland | Inflammation | Chronic, Minimal |
| * Thymus | Hyperplasia | Epithelial, Minimal |

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/02/2018

Time Report Requested: 13:31:50

First Dose M/F: 09/16/12 / 09/16/12

Lab: IIT

ANIMAL ID: 1900

TRT#: 8

SEX: Female

DAY ON TEST: 93

DOSE: 6.0W/kg(CDMA)chr

DISP: Scheduled Sacrifice

HISTO: 12-5224-1900

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|-----------------------------|--------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Aorta | * Bone |
| * Bone Marrow | * Brain | * Clitoral Gland | * Esophagus |
| * Eye | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Liver | * Lung | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nerve Trigeminal | * Nose |
| * Ovary | * Pancreas | * Parathyroid Gland | * Peripheral Nerve, Sciatic |
| * Peripheral Nerve, Tibial | * Pituitary Gland | * Salivary Glands | Skeletal Muscle |
| * Skin | * Spinal Cord, Cervical | * Spinal Cord, Lumbar | * Spinal Cord, Thoracic |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Thymus |
| * Thyroid Gland | * Trachea | Trigeminal Ganglion | * Urinary Bladder |
| * Uterus | | | |

OBSERVATIONS

- | | | | |
|---------------------------|---------------|-------------|-----------------------|
| * Intestine Large, Rectum | Lymphoid Tiss | Hyperplasia | Marked |
| * Kidney | | Nephropathy | Chronicprogr, Minimal |
| * Lung | | | |

Note: No histopathological correlate for pigmentation

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/02/2018

Time Report Requested: 13:31:50

First Dose M/F: 09/16/12 / 09/16/12

Lab: IIT

ANIMAL ID: 1909

TRT#: 8

SEX: Female

DAY ON TEST: 93

DOSE: 6.0W/kg(CDMA)chr

DISP: Scheduled Sacrifice

HISTO: 12-5224-1909

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|-----------------------------|--------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Aorta | * Bone |
| * Bone Marrow | * Brain | * Clitoral Gland | * Esophagus |
| * Eye | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Liver | * Lung | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nerve Trigeminal | * Nose |
| * Ovary | * Pancreas | * Parathyroid Gland | * Peripheral Nerve, Sciatic |
| * Peripheral Nerve, Tibial | * Pituitary Gland | * Salivary Glands | Skeletal Muscle |
| * Skin | * Spinal Cord, Cervical | * Spinal Cord, Lumbar | * Spinal Cord, Thoracic |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Thymus |
| * Thyroid Gland | * Trachea | Trigeminal Ganglion | * Urinary Bladder |
| * Uterus | | | |

OBSERVATIONS

- | | | | |
|----------|--------------|----------------|-----------------------|
| * Heart | Ventricl Rgt | Cardiomyopathy | Minimal |
| * Kidney | | Nephropathy | Chronicprogr, Minimal |

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/02/2018

Time Report Requested: 13:31:50

First Dose M/F: 09/16/12 / 09/16/12

Lab: IIT

ANIMAL ID: 1911

TRT#: 8

SEX: Female

DAY ON TEST: 93

DOSE: 6.0W/kg(CDMA)chr

DISP: Scheduled Sacrifice

HISTO: 12-5224-1911

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Harderian Gland |
| * Intestine Large, Cecum | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nerve Trigeminal | * Nose |
| * Ovary | * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Peripheral Nerve, Tibial |
| * Pituitary Gland | * Spinal Cord, Cervical | * Spinal Cord, Lumbar | * Spinal Cord, Thoracic |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Thymus |
| * Thyroid Gland | * Trachea | Trigeminal Ganglion | * Urinary Bladder |
| * Uterus | | | |

OBSERVATIONS

- | | | | |
|--------------------------|-------------|--------------|--------------------------|
| * Aorta | | Inflammation | Chronic Active, Minimal |
| * Eye | Conjunctiva | Inflammation | Chronic Active, Minimal |
| * Heart | Endocardium | Inflammation | Chronic Active, Moderate |
| * Intestine Large, Colon | | Inflammation | Chronic Active, Minimal |
| * Kidney | | Inflammation | Chronic Active, Mild |
| * Liver | | Inflammation | Chronic Active, Mild |
| * Pancreas | | Inflammation | Chronic Active, Minimal |
| * Salivary Glands | | Inflammation | Chronic Active, Minimal |
| Skeletal Muscle | | Inflammation | Chronic Active, Minimal |
| * Skin | | Inflammation | Chronic Active, Minimal |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/02/2018

Time Report Requested: 13:31:50

First Dose M/F: 09/16/12 / 09/16/12

Lab: IIT

ANIMAL ID: 1918

TRT#: 8

SEX: Female

DAY ON TEST: 93

DOSE: 6.0W/kg(CDMA)chr

DISP: Scheduled Sacrifice

HISTO: 12-5224-1918

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|-----------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Aorta | * Bone |
| * Bone Marrow | * Brain | * Clitoral Gland | * Esophagus |
| * Eye | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Mammary Gland | * Nerve Trigeminal | * Nose | * Ovary |
| * Pancreas | * Parathyroid Gland | * Peripheral Nerve, Sciatic | * Peripheral Nerve, Tibial |
| * Pituitary Gland | * Salivary Glands | Skeletal Muscle | * Skin |
| * Spinal Cord, Cervical | * Spinal Cord, Lumbar | * Spinal Cord, Thoracic | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | * Uterus | |

MISSING

Trigeminal Ganglion

OBSERVATIONS

- | | | |
|----------|-----------------------|-----------------------|
| * Heart | Cardiomyopathy | Minimal |
| * Kidney | Nephropathy | Chronicprogr, Minimal |
| * Liver | Infiltration Cellular | Mixed Cell, Minimal |
| * Lung | | |

Note: No histopathological correlate for pigmentation

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/02/2018

Time Report Requested: 13:31:50

First Dose M/F: 09/16/12 / 09/16/12

Lab: IIT

ANIMAL ID: 1936

TRT#: 8

SEX: Female

DAY ON TEST: 93

DOSE: 6.0W/kg(CDMA)chr

DISP: Scheduled Sacrifice

HISTO: 12-5224-1936

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Aorta	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Liver
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nerve Trigeminal	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Peripheral Nerve, Sciatic	* Peripheral Nerve, Tibial	* Pituitary Gland
* Salivary Glands	Skeletal Muscle	* Skin	* Spinal Cord, Cervical
* Spinal Cord, Lumbar	* Spinal Cord, Thoracic	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
Trigeminal Ganglion	* Urinary Bladder	* Uterus	

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/02/2018

Time Report Requested: 13:31:50

First Dose M/F: 09/16/12 / 09/16/12

Lab: IIT

ANIMAL ID: 1957

TRT#: 8

SEX: Female

DAY ON TEST: 93

DOSE: 6.0W/kg(CDMA)chr

DISP: Scheduled Sacrifice

HISTO: 12-5224-1957

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|-----------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Aorta | * Bone |
| * Bone Marrow | * Brain | * Clitoral Gland | * Esophagus |
| * Eye | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Liver | * Lymph Node, Mesenteric |
| * Mammary Gland | * Nerve Trigeminal | * Nose | * Ovary |
| * Pancreas | * Peripheral Nerve, Sciatic | * Peripheral Nerve, Tibial | * Pituitary Gland |
| * Salivary Glands | Skeletal Muscle | * Skin | * Spinal Cord, Cervical |
| * Spinal Cord, Lumbar | * Spinal Cord, Thoracic | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Thyroid Gland | * Trachea |
| Trigeminal Ganglion | * Urinary Bladder | * Uterus | |

MISSING

- * Parathyroid Gland

INSUFFICIENT TISSUE

- * Lymph Node, Mandibular

OBSERVATIONS

- | | | |
|----------------------------|-------------|-----------------------|
| * Kidney | Nephropathy | Chronicprogr, Minimal |
| * Lung | Congestion | Minimal |
| [Congestion TGLs = 1-10] | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20105 - 56

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Cell Phone Radiation: CDMA

CAS Number: CELLPRADCDMA

Date Report Requested: 01/02/2018

Time Report Requested: 13:31:50

First Dose M/F: 09/16/12 / 09/16/12

Lab: IIT

ANIMAL ID: 1966

TRT#: 8

SEX: Female

DAY ON TEST: 93

DOSE: 6.0W/kg(CDMA)chr

DISP: Scheduled Sacrifice

HISTO: 12-5224-1966

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Aorta | * Bone |
| * Bone Marrow | * Brain | * Esophagus | * Eye |
| * Harderian Gland | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Kidney | * Liver | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Nerve Trigeminal |
| * Nose | * Ovary | * Pancreas | * Parathyroid Gland |
| * Peripheral Nerve, Sciatic | * Peripheral Nerve, Tibial | * Pituitary Gland | * Salivary Glands |
| Skeletal Muscle | * Skin | * Spinal Cord, Cervical | * Spinal Cord, Lumbar |
| * Spinal Cord, Thoracic | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Thymus | * Thyroid Gland | * Trachea | Trigeminal Ganglion |
| * Urinary Bladder | * Uterus | | |

OBSERVATIONS

- | | | |
|------------------|--------------|-------------------------|
| * Clitoral Gland | Inflammation | Chronic Active, Minimal |
|------------------|--------------|-------------------------|

*** END OF REPORT ***