

Experiment Number: 20105 - 59
Test Type: CHRONIC
Route: Whole Body Exposure
Species/Strain: RATS/HSD

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
Cell Phone Radiation: GSM
CAS Number: CELLPRADGSM

Date Report Requested: 01/02/2018
Time Report Requested: 12:00:01
First Dose M/F: 09/16/12 / 09/16/12
Lab: IIT

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

NTP Study Number: C20105
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

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Lab: IIT

DAY ON TEST		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HARLAN SPRAGUE DAWLEY RATS MALE		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.0W/kg(GSM)chr	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
	ANIMAL ID	4	6	4	4	6	4	4	4	4	6	4	4	4	6	6	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		5	5	5	5	5	5	5	5	5	5	5	5	5	5	6	
		0	0	0	2	2	3	3	3	5	6	7	8	9	0	0	
		5	7	8	5	6	8	1	2	7	6	8	9	2	0	3	
* TOTALS																	

ALIMENTARY SYSTEM

Esophagus	+	+	+		+	+	+	+		+	+	+					10
Intestine Large, Cecum	+		+	+		+	+	+	+		+	+	+				10
Intestine Large, Colon	+		+	+		+	+	+	+		+	+	+				10
Intestine Large, Rectum Lymphoid Tissue, Hyperplasia	+		+	+		+	+	+	+		+	+	+				10
									1								1 1.0
Intestine Small, Duodenum	+		+	+		+	+	+	+		+	+	+				10
Intestine Small, Ileum	+		+	+		+	+	+	+		+	+	+				10
Intestine Small, Jejunum	+		+	+		+	+	+	+		+	+	+				10
Liver Infiltration Cellular, Mixed Cell	+		+	+		+	+	+	+		+	+	+				10
													1				1 1.0
Pancreas	+		+	+		+	+	+	+		+	+	+				10
Salivary Glands	+		+	+		+	+	+	+		+	+	+				10
Stomach, Forestomach	+		+	+		+	+	+	+		+	+	+				10
Stomach, Glandular	+		+	+		+	+	+	+		+	+	+				10

CARDIOVASCULAR SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

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DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
HARLAN SPRAGUE DAWLEY RATS MALE	4	6	4	4	6	4	4	4	4	6	4	4	4	6	6	6	6
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	6	6
0.0W/kg(GSM)chr	5	7	8	5	2	2	3	3	3	7	6	8	9	2	0	0	3

*** TOTALS**

Aorta	+	+	+		+	+	+	+		+	+	+						10
Heart	+		+	+		+	+	+	+		+	+	+					10
Cardiomyopathy						1				2								2 1.5
Ventricle Right, Cardiomyopathy													1					1 1.0

ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+		+	+	+	+		+	+	+						10
Adrenal Medulla	+	+	+		+	+	+	+		+	+	+						10
Islets, Pancreatic	+	+	+		+	+	+	+		+	+	+						10
Parathyroid Gland	+	+	+		+	+	+	+		M	+	+						9
Pituitary Gland	+	+	+		+	+	+	+		+	+	+						10
Thyroid Gland	+	+	+		+	+	+	+		+	+	+						10

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Epididymis	+	+	+		+	+	+	+		+	+	+						10
Preputial Gland	+	+	+		+	+	+	+		+	+	+						10
Inflammation, Chronic Active					2	1				3	1			2	1	2		7 1.7

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HARLAN SPRAGUE DAWLEY RATS MALE 0.0W/kg(GSM)chr	DAY ON TEST															* TOTALS
	0 9 4	0 9 6	0 9 4	0 9 4	0 9 6	0 9 4	0 9 4	0 9 4	0 9 4	0 9 6	0 9 4	0 9 4	0 9 4	0 9 6	0 9 6	
ANIMAL ID	0 5 0 5	0 5 0 7	0 5 0 8	0 5 2 5	0 5 2 6	0 5 3 8	0 5 3 1	0 5 3 2	0 5 3 7	0 5 5 6	0 5 5 8	0 5 6 9	0 5 7 2	0 5 8 0	0 6 9 3	
Prostate	+	+	+		+	+	+	+		+	+	+			10	
Seminal Vesicle	+		+	+		+	+	+		+	+	+			10	
Testis	+		+	+		+	+	+		+	+	+			10	
HEMATOPOIETIC SYSTEM																
Bone Marrow	+		+	+		+	+	+		+	+	+			10	
Lymph Node, Mandibular Hemorrhage	+		+	+		+	+	+		+	+	+		1	10 2 1.0	
Lymph Node, Mesenteric	+		+	+		+	+	+		+	+	+			10	
Spleen	+		+	+		+	+	+		+	+	+			10	
Thymus Hemorrhage	+		+	+		+	+	+		+	+	+		1 1 1 1	10 5 1.0	
INTEGUMENTARY SYSTEM																
Mammary Gland	+		+	+		+	+	+		+	+	+			10	
Skin	+		+	+		+	+	+		+	+	+			10	
MUSCULOSKELETAL SYSTEM																
Bone	+		+	+		+	+	+		+	+	+			10	

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	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
HARLAN SPRAGUE DAWLEY RATS MALE	4	6	4	4	6	4	4	4	4	6	4	4	4	4	6	6	6
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	6	0
0.0W/kg(GSM)chr	5	7	8	5	6	8	1	3	2	7	6	8	9	2	0	3	3

* TOTALS

Skeletal Muscle	+	+	+			+	+	+	+			+	+	+			10
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NERVOUS SYSTEM

Brain	+		+	+				+	+	+	+			+	+	+	10
Nerve Trigeminal	+							+	+	+	+			+	+	+	10
Peripheral Nerve, Sciatic	+							+	+	+	+			+	+	+	10
Peripheral Nerve, Tibial	+							+	+	+	+			+	+	+	10
Spinal Cord, Cervical	+							+	+	+	+			+	+	+	10
Spinal Cord, Lumbar	+							+	+	+	+			+	+	+	10
Spinal Cord, Thoracic	+							+	+	+	+			+	+	+	10
Trigeminal Ganglion	+							+	+	+	+			+	+	+	10

RESPIRATORY SYSTEM

Lung	+							+	+	+	+			+	+	+	10
Inflammation, Chronic Active														1			1 1.0
Nose	+							+	+	+	+			+	+	+	10
Trachea	+							+	+	+	+			+	+	+	10

SPECIAL SENSES SYSTEM

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DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	
HARLAN SPRAGUE DAWLEY RATS MALE	4	6	4	4	6	4	4	4	4	6	4	4	4	4	6	6	6	6	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	6	6	
0.0W/kg(GSM)chr	5	7	8	5	2	2	3	3	3	5	6	7	8	9	2	0	0	3	
* TOTALS																			
Eye	+			+			+			+			+			+			10
Harderian Gland	+			+			+			+			+			+			10
URINARY SYSTEM																			
Kidney	+			+			+			+			+			+			10
Nephropathy, Chronic Progressive	1	1	1	1			2	1		1	1	1							9 1.1
Urinary Bladder	+			+			+			+			+			+			10

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DAY ON TEST		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HARLAN SPRAGUE DAWLEY RATS MALE		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
		6	4	4	4	6	6	6	4	4	4	4	6	4	4	4	4
	1.5W/kg(GSM)chr																
ANIMAL ID		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		7	7	7	7	7	7	7	7	7	7	7	7	8	8	8	8
		1	2	2	3	4	4	4	6	6	7	8	9	0	0	0	0
		1	0	3	9	1	5	6	0	0	1	9	2	4	2	3	9
* TOTALS																	

ALIMENTARY SYSTEM

Esophagus	+	+	+					+	+	+	+	+	+	+				10
Intestine Large, Cecum	+	+	+					+	+	+	+	+	+	+				10
Intestine Large, Colon	+	+	+					+	+	+	+	+	+	+				10
Intestine Large, Rectum	+	+	+					+	+	+	+	+	+	+				10
Lymphoid Tissue, Hyperplasia																	4	1 4.0
Intestine Small, Duodenum	+	+	+					+	+	+	+	+	+	+				10
Intestine Small, Ileum	+	+	+					+	+	+	+	+	+	+				10
Intestine Small, Jejunum	+	+	+					+	+	+	+	+	+	+				10
Liver	+	+	+					+	+	+	+	+	+	+				10
Pancreas	+	+	+					+	+	+	+	+	+	+				10
Salivary Glands	+	+	+					+	+	+	+	+	+	+				10
Stomach, Forestomach	+	+	+					+	+	+	+	+	+	+				10
Stomach, Glandular	+	+	+					+	+	+	+	+	+	+				10

CARDIOVASCULAR SYSTEM

Aorta	+	+	+					+	+	+	+	+	+	+				10
-------	---	---	---	--	--	--	--	---	---	---	---	---	---	---	--	--	--	-----------

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DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
HARLAN SPRAGUE DAWLEY RATS MALE 1.5W/kg(GSM)chr	6	4	4	4	6	6	6	4	4	4	4	4	6	4	4	4	4	4
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7	7	7	7	7	7	7	7	7	7	7	7	7	8	8	8	8	8
	1	2	2	3	4	4	4	4	6	6	7	8	9	0	0	0	0	0
	1	0	3	9	1	5	6	0	0	1	9	2	4	2	3	9		

* TOTALS

Heart																			10
Cardiomyopathy	+	+	+							+	+	+	+						4
Ventricle Right, Cardiomyopathy				1										1	1				2
																			1
																			2.0

ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+																10
Adrenal Medulla	+	+	+																10
Islets, Pancreatic	+	+	+																10
Parathyroid Gland	+	+	+																10
Pituitary Gland	+	+	+																10
Pars Distalis, Cyst																			1
Rathke's Cleft, Cyst															X				1
														X					
Thyroid Gland	+	+	+																10
Ectopic Thymus																			1

GENERAL BODY SYSTEM

NONE																			
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GENITAL SYSTEM

Epididymis	+	+	+																10
Preputial Gland	+	+	+																10

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HARLAN SPRAGUE DAWLEY RATS MALE 1.5W/kg(GSM)chr	DAY ON TEST															* TOTALS			
	0096	0094	0094	0096	0096	0096	0094	0094	0094	0094	0096	0094	0094	0094	0094				
ANIMAL ID	0071	0072	0073	0077	0077	0077	0077	0077	0077	0077	0077	0077	0078	0078	0078	0080	0080	0080	
Inflammation, Chronic Active			1	1				1											3 1.0
Prostate Inflammation, Chronic Active		+	+	+					+	+	+	+		+	+	+			10 1 1.0
Seminal Vesicle		+	+	+					+	+	+	+		+	+	+			10
Testis		+	+	+					+	+	+	+		+	+	+			10
HEMATOPOIETIC SYSTEM																			
Bone Marrow		+	+	+					+	+	+	+		+	+	+			10
Lymph Node, Mandibular Hemorrhage		+	+	+					+	+	+	+		+	+	+			10 2 1.5
Lymph Node, Mesenteric Hemorrhage		+	+	+					+	+	+	+		+	+	+			10 2 1.5
Spleen		+	+	+					+	+	+	+		+	+	+			10
Thymus Hemorrhage		+	+	+					+	+	+	+		+	+	+			10 1 2.0
INTEGUMENTARY SYSTEM																			
Mammary Gland		+	+	+					+	+	+	+		+	+	+			10
Skin		+	+	+					+	+	+	+		+	+	+			10
MUSCULOSKELETAL SYSTEM																			

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	0096	0094	0094	0094	0096	0096	0096	0094	0094	0094	0094	0096	0094	0094	0094			
ANIMAL ID	0071	0072	0073	0073	0074	0075	0076	0077	0077	0077	0077	0077	0078	0078	0078			
Bone	+	+	+				+	+	+	+			+	+	+	10		
Skeletal Muscle	+	+	+				+	+	+	+			+	+	+	10		
NERVOUS SYSTEM																		
Brain	+	+	+				+	+	+	+			+	+	+	10		
Nerve Trigeminal	+	+	+				+	+	+	+			+	+	+	10		
Peripheral Nerve, Sciatic	+	+	+				+	+	+	+			+	+	+	10		
Peripheral Nerve, Tibial	+	+	+				+	+	+	+			+	+	+	10		
Spinal Cord, Cervical	+	+	+				+	+	+	+			+	+	+	10		
Spinal Cord, Lumbar	+	+	+				+	+	+	+			+	+	+	10		
Spinal Cord, Thoracic	+	+	+				+	+	+	+			+	+	+	10		
Trigeminal Ganglion	+	+	+				+	+	+	+			+	+	+	10		
RESPIRATORY SYSTEM																		
Lung Inflammation, Chronic Active	+	+	+				+	+	+	+			+	+	+	10	1	1.0
Nose	+	+	+				+	+	+	+			+	+	+	10		
Trachea	+	+	+				+	+	+	+			+	+	+	10		

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HARLAN SPRAGUE DAWLEY RATS MALE 1.5W/kg(GSM)chr	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
		6	4	4	4	6	6	6	4	4	4	4	6	4	4	4	4	4
	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		7	7	7	7	7	7	7	7	7	7	7	7	8	8	8	8	8
		1	2	2	3	4	4	4	6	6	7	8	9	0	0	0	0	0
		1	0	3	9	1	5	6	0	1	9	2	4	2	3	9		
* TOTALS																		

SPECIAL SENSES SYSTEM

Eye																		10
		+	+	+					+	+	+	+			+	+	+	
Harderian Gland																		10
Inflammation, Chronic Active			+	+	+				+	+	+	+			+	+	+	3 1.3
				1	1				2									

URINARY SYSTEM

Kidney																		10
		+	+	+					+	+	+	+			+	+	+	
Nephropathy, Chronic Progressive																		8 1.0
Renal Tubule, Dilation																1		1 1.0
		1	1	1					1	1	1	1						
Urinary Bladder																		10
		+	+	+					+	+	+	+			+	+	+	

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/02/2018

Time Report Requested: 12:00:01

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

Lab: IIT

DAY ON TEST		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HARLAN SPRAGUE DAWLEY RATS MALE		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3.0W/kg(GSM)chr	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
		4	6	4	4	4	4	4	6	4	6	6	4	4	4	6	
ANIMAL ID		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0
		9	9	9	9	9	9	9	9	9	9	9	9	9	0	0	0
		2	2	2	2	3	4	4	5	5	5	6	6	9	0	2	5
		1	2	5	9	6	0	8	2	6	8	7	9	5	6	5	
* TOTALS																	

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
Infiltration Cellular, Mixed Cell	1	1												1			3 1.0
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10

CARDIOVASCULAR SYSTEM

Aorta	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
-------	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	----

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

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Experiment Number: 20105 - 59

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Route: Whole Body Exposure

Species/Strain: RATS/HSD

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/02/2018

Time Report Requested: 12:00:01

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

Lab: IIT

HARLAN SPRAGUE DAWLEY RATS MALE 3.0W/kg(GSM)chr	DAY ON TEST															ANIMAL ID	
	0094	0096	0094	0094	0094	0094	0094	0096	0094	0096	0096	0094	0094	0094	0096		
	0091	0092	0095	0099	0093	0094	0098	0092	0095	0096	0098	0097	0099	0095	0096		
																* TOTALS	

Heart	+			+	+	+			+			+	+	+			10
Cardiomyopathy			1						1				1				3 1.0
Ventricle Right, Cardiomyopathy	1				2	1	1							1			5 1.2

ENDOCRINE SYSTEM

Adrenal Cortex	+		+	+	+	+	+		+			+	+	+			10
Adrenal Medulla	+		+	+	+	+	+		+			+	+	+			10
Islets, Pancreatic	+		+	+	+	+	+		+			+	+	+			10
Parathyroid Gland	+		+	+	+	+	+		+			+	+	+			10
Pituitary Gland	+		+	+	+	+	+		+			+	+	+			10
Pars Distalis, Cyst			X										X				2
Rathke's Cleft, Cyst			X				X						X				3
Thyroid Gland	+		+	+	+	+	+		+			+	+	+			10
Ectopic Thymus			X														1

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Epididymis	+		+	+	+	+	+		+			+	+	+			10
Preputial Gland	+		+	+	+	+	+		+			+	+	+			10

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

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X .. Lesion present

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Date Report Requested: 01/02/2018

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

Lab: IIT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	ANIMAL ID			
	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9				
HARLAN SPRAGUE DAWLEY RATS MALE	4	6	4	4	4	4	4	6	4	6	6	4	4	4	4	6	0	0	0	0
3.0W/kg(GSM)chr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	9	9	9
	2	2	2	2	3	4	4	5	5	6	6	7	6	9	5	6	1	2	5	9
	1	2	5	9	6	0	8	2	6	8	7	9	9	5	6	5				
																	* TOTALS			
Inflammation, Chronic Active	1																1	1.0		
Prostate	+		+	+	+	+	+		+				+	+	+					
Inflammation, Chronic Active	1																10	1.0		
Seminal Vesicle	+		+	+	+	+	+		+				+	+	+					
Testis	+		+	+	+	+	+		+				+	+	+					
																	10			
HEMATOPOIETIC SYSTEM																				
Bone Marrow	+		+	+	+	+	+		+				+	+	+					
Lymph Node, Mandibular Hemorrhage	+		+	+	+	+	+		+				+	+	+					
	1 1																10	1.0		
Lymph Node, Mesenteric	+		+	+	+	+	+		+				+	+	+					
Spleen	+		+	+	+	+	+		+				+	+	+					
Thymus Hemorrhage	+		+	+	+	+	+		+				+	+	+					
	2 2																10	2.0		
INTEGUMENTARY SYSTEM																				
Mammary Gland	+		+	+	+	+	+		+				+	+	+					
Skin	+		+	+	+	+	+		+				+	+	+					
																	10			
																	10			
MUSCULOSKELETAL SYSTEM																				

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
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Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/02/2018

Time Report Requested: 12:00:01

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

Lab: IIT

HARLAN SPRAGUE DAWLEY RATS MALE 3.0W/kg(GSM)chr	DAY ON TEST															* TOTALS
	0094	0096	0094	0094	0094	0094	0096	0094	0096	0096	0094	0094	0094	0096	0096	
ANIMAL ID	00921	00922	00925	00929	00933	00934	00940	00948	00952	00955	00956	00957	00959	00965	00965	
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10	
Skeletal Muscle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10	
NERVOUS SYSTEM																
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10	
Nerve Trigeminal	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10	
Peripheral Nerve, Sciatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10	
Peripheral Nerve, Tibial	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10	
Spinal Cord, Cervical	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10	
Spinal Cord, Lumbar	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10	
Spinal Cord, Thoracic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10	
Trigeminal Ganglion	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10	
RESPIRATORY SYSTEM																
Lung Congestion	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10	1 2.0
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10	
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10	

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Date Report Requested: 01/02/2018

Time Report Requested: 12:00:01

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

Lab: IIT

HARLAN SPRAGUE DAWLEY RATS MALE 3.0W/kg(GSM)chr	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
		9	9	9	9	9	9	9	9	9	9	9	9	9	9	0	0
		4	6	4	4	4	4	4	6	4	6	6	4	4	4	6	6
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		9	9	9	9	9	9	9	9	9	9	9	9	9	9	0	0
		2	2	2	2	3	4	4	5	5	5	6	6	9	0	2	
		1	2	5	9	6	0	8	2	6	8	7	9	5	6	5	5
* TOTALS																	

SPECIAL SENSES SYSTEM

Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
Inflammation, Chronic Active			2					1									2 1.5

URINARY SYSTEM

Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
Congestion																2	1 2.0
Nephropathy, Chronic Progressive	1		1		1	1	1	1	1		2	1					8 1.1
Pelvis, Dilation			1														1 1.0
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10

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

Lab: IIT

DAY ON TEST		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HARLAN SPRAGUE DAWLEY RATS MALE		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
		4	4	4	4	4	4	6	4	4	6	4	6	4	6	6	6
	6.0W/kg(GSM)chr																
ANIMAL ID		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2
		3	4	4	4	5	7	8	8	9	0	1	1	2	3	3	3
		2	2	7	8	3	3	5	6	2	4	2	6	1	2	3	3
* TOTALS																	

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+		+	+		+	+					10
Intestine Large, Cecum	+	+	+	+	+	+		+	+		+	+					10
Intestine Large, Colon	+	+	+	+	+	+		+	+		+	+					10
Intestine Large, Rectum	+	+	+	+	+	+		+	+		+	+					10
Intestine Small, Duodenum	+	+	+	+	+	+		+	+		+	+					10
Intestine Small, Ileum	+	+	+	+	+	+		+	+		+	+					10
Intestine Small, Jejunum	+	+	+	+	+	+		+	+		+	+					10
Liver	+	+	+	+	+	+		+	+		+	+					10
Infiltration Cellular, Mixed Cell	1									1				1			3 1.0
Pancreas	+	+	+	+	+	+		+	+		+	+					10
Salivary Glands	+	+	+	+	+	+		+	+		+	+					10
Stomach, Forestomach	+	+	+	+	+	+		+	+		+	+					10
Stomach, Glandular	+	+	+	+	+	+		+	+		+	+					10

CARDIOVASCULAR SYSTEM

Aorta	+	+	+	+	+	+		+	+		+	+					10
-------	---	---	---	---	---	---	--	---	---	--	---	---	--	--	--	--	-----------

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
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Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/02/2018

Time Report Requested: 12:00:01

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

Lab: IIT

HARLAN SPRAGUE DAWLEY RATS MALE 6.0W/kg(GSM)chr	DAY ON TEST															ANIMAL ID	
	0 9 4	0 9 4	0 9 4	0 9 4	0 9 4	0 9 4	0 9 6	0 9 4	0 9 4	0 9 6	0 9 4	0 9 6	0 9 4	0 9 6	0 9 6		
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
	3	4	4	4	5	7	8	8	9	0	1	1	2	3	3	2	
	2	2	7	8	3	3	5	6	2	4	2	6	1	2	3		* TOTALS

Heart	+	+	+	+	+	+		+	+		+	+				10	
Cardiomyopathy	1				1	1					1						4 1.0
Ventricle Right, Cardiomyopathy	1					1		1	1				1				5 1.0

ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+		+	+		+	+				10	
Adrenal Medulla	+	+	+	+	+	+		+	+		+	+				10	
Islets, Pancreatic	+	+	+	+	+	+		+	+		+	+				10	
Parathyroid Gland	M	+	M	+	+	+		+	+		+	+				8	
Pituitary Gland	+	+	+	+	+	+		+	+		+	+				10	
Pars Distalis, Cyst				X		X											2
Rathke's Cleft, Cyst	X	X							X								3
Thyroid Gland	+	+	+	+	+	+		+	+		+	+				10	
Ectopic Thymus			X					X									2

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Epididymis	+	+	+	+	+	+		+	+		+	+				10	
Preputial Gland	+	+	+	+	+	+		+	+		+	+				10	

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Time Report Requested: 12:00:01

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

Lab: IIT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
HARLAN SPRAGUE DAWLEY RATS MALE	4	4	4	4	4	4	6	4	4	6	4	6	4	6	6	6	6	6
6.0W/kg(GSM)chr																		
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2
	3	4	4	4	5	7	8	8	9	0	1	1	2	3	3	3	3	3
	2	2	7	8	3	3	5	6	2	4	2	6	1	2	3	3	3	3
	* TOTALS																	
Inflammation, Chronic Active			1	1	1	2												
																		4 1.3
Prostate	+	+	+	+	+	+		+	+		+		+					10
Seminal Vesicle	+	+	+	+	+	+		+	+		+		+					10
Testis	+	+	+	+	+	+		+	+		+		+					10
Germ Cell, Degeneration										2								1 2.0
HEMATOPOIETIC SYSTEM																		
Bone Marrow	+	+	+	+	+	+		+	+		+		+					10
Lymph Node, Mandibular	+	+	+	+	+	+		+	+		+		+					10
Hemorrhage												3						1 3.0
Hyperplasia, Lymphocyte					1				1		1		1					4 1.0
Proliferation, Plasma Cell					1									1				2 1.0
Lymph Node, Mesenteric	+	+	+	+	+	+		+	+		+		+					10
Spleen	+	+	+	+	+	+		+	+		+		+					10
Thymus	+	+	+	+	+	+		+	+		+		+					10
INTEGUMENTARY SYSTEM																		
Mammary Gland	+	+	+	M	+	+		+	+		+		M					8
Skin	+	+	+	+	+	+		+	+		+		+					10
MUSCULOSKELETAL SYSTEM																		

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
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 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/02/2018

Time Report Requested: 12:00:01

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

Lab: IIT

HARLAN SPRAGUE DAWLEY RATS MALE 6.0W/kg(GSM)chr	DAY ON TEST																* TOTALS
	0 9 4	0 9 4	0 9 4	0 9 4	0 9 4	0 9 4	0 9 6	0 9 4	0 9 4	0 9 6	0 9 4	0 9 6	0 9 4	0 9 6	0 9 6	0 9 6	
ANIMAL ID	0 1 1 3 2	0 1 1 4 2	0 1 1 4 7	0 1 1 4 8	0 1 1 5 3	0 1 1 7 3	0 1 1 8 5	0 1 1 8 6	0 1 1 9 2	0 1 1 9 4	0 1 2 0 2	0 1 2 1 6	0 1 2 1 2	0 1 2 1 1	0 1 2 3 2	0 1 2 3 3	
Bone Tibia, Fracture, Chronic	+	+	+	+	+	+		+	+			+	+			10	
	4															1 4.0	
Skeletal Muscle	+	+	+	+	+	+		+	+			+	+			10	
NERVOUS SYSTEM																	
Brain	+	+	+	+	+	+		+	+			+	+			10	
Nerve Trigeminal	+	+	+	+	+	+		+	+			+	+			10	
Peripheral Nerve, Sciatic	+	+	+	+	+	+		+	+			+	+			10	
Peripheral Nerve, Tibial	+	+	+	+	+	+		+	+			+	+			10	
Spinal Cord, Cervical	+	+	+	+	+	+		+	+			+	+			10	
Spinal Cord, Lumbar	+	+	+	+	+	+		+	+			+	+			10	
Spinal Cord, Thoracic	+	+	+	+	+	+		+	+			+	+			10	
Trigeminal Ganglion	+	+	+	+	+	+		+	+			+	+			10	
RESPIRATORY SYSTEM																	
Lung	+	+	+	+	+	+		+	+			+	+			10	
Nose	+	+	+	+	+	+		+	+			+	+			10	
Trachea	+	+	+	+	+	+		+	+			+	+			10	

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

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Experiment Number: 20105 - 59

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Route: Whole Body Exposure

Species/Strain: RATS/HSD

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

Lab: IIT

HARLAN SPRAGUE DAWLEY RATS MALE 6.0W/kg(GSM)chr	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	
		4	4	4	4	4	6	4	4	6	4	6	4	6	6	6	6	
		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
		1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	
		3	4	4	4	5	7	8	8	9	0	1	1	2	3	3	3	
		2	2	7	8	3	3	5	6	2	4	2	6	1	2	3	3	
		* TOTALS																

SPECIAL SENSES SYSTEM

Eye	+	+	+	+	+	+		+	+		+	+						10	
Retina, Developmental Malformation			X																1
Harderian Gland	+	+	+	+	+	+		+	+		+	+						10	
Inflammation, Chronic Active					2								2						2 2.0

URINARY SYSTEM

Kidney	+	+	+	+	+	+		+	+		+	+						10	
Nephropathy, Chronic Progressive	1	1			1	2		1	1		1								7 1.1
Urinary Bladder	+	+	+	+	+	+		+	+		+	+						10	

*** END OF MALE DATA ***

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

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Route: Whole Body Exposure

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

Lab: IIT

DAY ON TEST		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HARLAN SPRAGUE DAWLEY RATS FEMALE		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
	0.0W/kg(GSM)chr	3	3	6	3	6	6	3	6	3	3	3	3	3	3	6	
	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		6	6	6	6	6	6	6	6	6	6	6	6	7	7	7	7
		0	1	1	2	3	4	5	6	6	7	7	8	8	0	0	0
		6	2	7	0	8	0	0	2	7	3	6	2	5	0	2	
* TOTALS																	

ALIMENTARY SYSTEM

Esophagus	+	+		+			+		+	+	+	+	+	+			10
Intestine Large, Cecum	+	+		+			+		+	+	+	+	+	+			10
Intestine Large, Colon	+	+		+			+		+	+	+	+	+	+			10
Intestine Large, Rectum Lymphoid Tissue, Hyperplasia	+	+		+			+		+	+	+	+	+	+	2		10 1 2.0
Intestine Small, Duodenum	+	+		+			+		+	+	+	+	+	+			10
Intestine Small, Ileum	+	+		+			+		+	+	+	+	+	+			10
Intestine Small, Jejunum	+	+		+			+		+	+	+	+	+	+			10
Liver Infiltration Cellular, Mixed Cell	+	+		+			+		+	+	+	+	+	+	1		10 1 1.0
Pancreas	+	+		+			+		+	+	+	+	+	+			10
Salivary Glands	+	+		+			+		+	+	+	+	+	+			10
Stomach, Forestomach	+	+		+			+		+	+	+	+	+	+			10
Stomach, Glandular	+	+		+			+		+	+	+	+	+	+			10

CARDIOVASCULAR SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

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Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/02/2018

Time Report Requested: 12:00:01

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

Lab: IIT

HARLAN SPRAGUE DAWLEY RATS FEMALE 0.0W/kg(GSM)chr	DAY ON TEST															* TOTALS
	0 9 3	0 9 3	0 9 6	0 9 3	0 9 6	0 9 6	0 9 3	0 9 6	0 9 3	0 9 3	0 9 3	0 9 3	0 9 3	0 9 3	0 9 6	
ANIMAL ID	0 6 0 6	0 6 1 2	0 6 1 7	0 6 2 0	0 6 3 8	0 6 4 0	0 6 5 0	0 6 6 2	0 6 7 7	0 6 7 3	0 6 7 6	0 6 8 2	0 6 8 5	0 7 8 0	0 7 8 2	

Aorta	+	+		+		+		+	+	+	+	+	+	+	+	10
Heart	+	+		+		+		+	+	+	+	+	+	+	+	10

ENDOCRINE SYSTEM

Adrenal Cortex	+	+		+		+		+	+	+	+	+	+	+	+	10
Adrenal Medulla	+	+		+		+		+	+	+	+	+	+	+	+	10
Islets, Pancreatic	+	+		+		+		+	+	+	+	+	+	+	+	10
Parathyroid Gland	+	+		+		+		+	+	+	+	+	+	+	+	10
Pituitary Gland	+	+		+		+		+	+	+	+	+	+	+	+	10
Pars Distalis, Cyst		X				X										2
Pars Intermedia, Cyst													X			1
Thyroid Gland	+	+		+		+		+	+	+	+	+	+	+	+	10

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Clitoral Gland	+	+		+		+		+	+	+	+	+	+	+	+	10
Inflammation, Chronic Active																4 1.0
Ovary	+	+		+		+		+	+	+	+	+	+	+	+	10

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically
X .. Lesion present
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Lab: IIT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
HARLAN SPRAGUE DAWLEY RATS FEMALE	3	3	6	3	6	6	3	6	3	3	3	3	3	3	3	6	
0.0W/kg(GSM)chr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	6	6	6	6	6	6	6	6	6	6	6	6	6	6	7	7	
	0	1	1	2	3	4	5	6	6	7	7	8	8	0	0	0	
	6	2	7	0	8	0	0	2	7	3	6	2	5	0	2		

* TOTALS

Follicle, Cyst X 1

Uterus + + + + + + + + + + 10

HEMATOPOIETIC SYSTEM

Bone Marrow + + + + + + + + + + 10

Lymph Node, Mandibular + + + + + + + + + + 10

Lymph Node, Mesenteric + + + + + + + + + + 10

Spleen + + + + + + + + + + 10

Thymus Hemorrhage + + + + + + + + + 1 10 1 1.0

INTEGUMENTARY SYSTEM

Mammary Gland + + + + + + + + + + 10

Skin + + + + + + + + + + 10

MUSCULOSKELETAL SYSTEM

Bone + + + + + + + + + + 10

Skeletal Muscle + + + + + + + + + + 10

NERVOUS SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically M .. Missing tissue
X .. Lesion present A .. Autolysis precludes evaluation
I .. Insufficient tissue BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
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Lab: IIT

HARLAN SPRAGUE DAWLEY RATS FEMALE 0.0W/kg(GSM)chr	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
		3	3	6	3	6	6	3	6	3	3	3	3	3	3	6	
	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		6	6	6	6	6	6	6	6	6	6	6	6	7	7		
		0	1	1	2	3	4	5	6	6	7	7	8	8	0	0	
		6	2	7	0	8	0	0	2	7	3	6	2	5	0	2	
* TOTALS																	

Infiltration Cellular, Lymphocyte

1

1 1.0

URINARY SYSTEM

Kidney	+	+		+		+	+	+	+	+	+						10
Nephropathy, Chronic Progressive						1		1	1								3 1.0
Urinary Bladder	+	+		+		+	+	+	+	+	+						10

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

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

Lab: IIT

HARLAN SPRAGUE DAWLEY RATS FEMALE 1.5W/kg(GSM)chr	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
		3	3	3	6	3	6	3	3	3	6	3	3	6	6	3	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		8	8	8	8	8	8	8	8	8	8	8	8	9	9	9	
		3	3	4	5	5	6	7	8	8	8	9	0	0	1		
		4	5	9	0	5	7	7	2	3	6	5	8	3	6	5	
* TOTALS																	

ALIMENTARY SYSTEM

Esophagus	+	+	+		+		+	+	+		+	+					10
Intestine Large, Cecum	+	+	+		+		+	+	+		+	+					10
Intestine Large, Colon	+	+	+		+		+	+	+		+	+					10
Intestine Large, Rectum Lymphoid Tissue, Hyperplasia	+	+	+		+		+	+	+		+	+					10 1 3.0
Intestine Small, Duodenum	+	+	+		+		+	+	+		+	+					10
Intestine Small, Ileum	+	+	+		+		+	+	+		+	+					10
Intestine Small, Jejunum	+	+	+		+		+	+	+		+	+					10
Liver Infiltration Cellular, Mixed Cell	+	+	+		+		+	+	+		+	+					10 1 1.0
Pancreas	+	+	+		+		+	+	+		+	+					10
Salivary Glands	+	+	+		+		+	+	+		+	+					10
Stomach, Forestomach	+	+	+		+		+	+	+		+	+					10
Stomach, Glandular	+	+	+		+		+	+	+		+	+					10

CARDIOVASCULAR SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

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

Lab: IIT

HARLAN SPRAGUE DAWLEY RATS FEMALE 1.5W/kg(GSM)chr	DAY ON TEST															ANIMAL ID		
	0093	0093	0093	0096	0093	0096	0093	0093	0093	0093	0096	0093	0093	0096	0096			0093
	00834	00835	00834	00850	00855	00877	00877	00828	00803	00806	00805	00808	00809	00803	00806	00805		
	* TOTALS																	

Aorta	+	+	+		+		+	+	+		+	+			+		10
Heart Cardiomyopathy	+	+		1	+		+	+	+		+	+			+		10 2 1.0

ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+		+		+	+	+		+	+			+		10
Adrenal Medulla	+	+	+		+		+	+	+		+	+			+		10
Islets, Pancreatic	+	+	+		+		+	+	+		+	+			+		10
Parathyroid Gland	+	+	+		+		+	+	+		+	M			M		8
Pituitary Gland Pars Intermedia, Cyst	+	+	+		+		+	+	+		+	+			+		10 1
Thyroid Gland	+	+	+		+		+	+	+		+	+			+		10

GENERAL BODY SYSTEM

NONE																	
------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

GENITAL SYSTEM

Clitoral Gland Inflammation, Chronic Active	+	+	+		+		+	+	+		+	+			+		10 5 1.4
Ovary	+	+	+		+		+	+	+		+	+			+		10

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically
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Lab: IIT

DAY ON TEST HARLAN SPRAGUE DAWLEY RATS FEMALE 1.5W/kg(GSM)chr	ANIMAL ID															* TOTALS
	0093	0093	0093	0096	0093	0096	0093	0093	0093	0093	0093	0093	0093	0093	0093	
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
HEMATOPOIETIC SYSTEM																
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
Lymph Node, Mandibular Hemorrhage	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10 2 2.0
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
INTEGUMENTARY SYSTEM																
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
MUSCULOSKELETAL SYSTEM																
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
Skeletal Muscle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
NERVOUS SYSTEM																
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
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Lab: IIT

HARLAN SPRAGUE DAWLEY RATS FEMALE 1.5W/kg(GSM)chr	DAY ON TEST															* TOTALS
	0093	0093	0093	0096	0093	0096	0093	0093	0093	0096	0093	0093	0096	0096	0093	
ANIMAL ID	00834	0085	0089	0080	0085	0087	0087	0082	0083	0086	0085	0088	0083	0086	0085	
Nerve Trigeminal	+	+	+		+		+	+	+		+	+		+	10	
Peripheral Nerve, Sciatic	+	+	+		+		+	+	+		+	+		+	10	
Peripheral Nerve, Tibial	+	+	+		+		+	+	+		+	+		+	10	
Spinal Cord, Cervical	+	+	+		+		+	+	+		+	+		+	10	
Spinal Cord, Lumbar	+	+	+		+		+	+	+		+	+		+	10	
Spinal Cord, Thoracic	+	+	+		+		+	+	+		+	+		+	10	
Trigeminal Ganglion	+	+	+		+		+	+	+		+	+		+	10	
RESPIRATORY SYSTEM																
Lung	+	+	+		+		+	+	+		+	+		+	10	
Nose	+	+	+		+		+	+	+		+	+		+	10	
Trachea	+	+	+		+		+	+	+		+	+		+	10	
SPECIAL SENSES SYSTEM																
Eye	+	+	+		+		+	+	+		+	+		+	10	
Harderian Gland	+	+	+		+		+	+	+		+	+		+	10	
URINARY SYSTEM																
Kidney	+	+	+		+		+	+	+		+	+		+	10	

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/02/2018

Time Report Requested: 12:00:01

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

Lab: IIT

		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
DAY ON TEST		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
HARLAN SPRAGUE DAWLEY RATS		9	9	9	9	9	9	9	9	9	9	9	9	9	9	9			
FEMALE		3	3	3	6	3	6	3	3	3	6	3	3	6	6	3			
1.5W/kg(GSM)chr		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
ANIMAL ID		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
		8	8	8	8	8	8	8	8	8	8	8	8	9	9	9			
		3	3	4	5	5	6	7	8	8	8	9	9	0	0	1			
		4	5	9	0	5	7	7	2	3	6	5	8	3	6	5			
* TOTALS																			
Nephropathy, Chronic Progressive		1									1 1		1						4 1.0
Urinary Bladder		+			+		+		+		+		+		+		10		

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

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Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/02/2018

Time Report Requested: 12:00:01

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

Lab: IIT

HARLAN SPRAGUE DAWLEY RATS FEMALE 3.0W/kg(GSM)chr	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
		3	6	6	3	6	6	3	6	3	3	3	3	3	3	3	3
		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1
		4	4	4	5	6	7	7	8	8	9	9	0	2	2	2	2
		4	7	9	4	0	2	3	2	9	0	4	5	6	1	6	6
* TOTALS																	

ALIMENTARY SYSTEM

Esophagus	+		+			+		+	+	+	+	+	+	+	+	+	10
Intestine Large, Cecum	+			+		+		+	+	+	+	+	+	+	+	+	10
Intestine Large, Colon	+			+		+		+	+	+	+	+	+	+	+	+	10
Intestine Large, Rectum	+			+		+		+	+	+	+	+	+	+	+	+	10
Intestine Small, Duodenum	+			+		+		+	+	+	+	+	+	+	+	+	10
Intestine Small, Ileum	+			+		+		+	+	+	+	+	+	+	+	+	10
Intestine Small, Jejunum	+			+		+		+	+	+	+	+	+	+	+	+	10
Liver	+			+		+		+	+	+	+	+	+	+	+	+	10
Infiltration Cellular, Mixed Cell				1				1									2 1.0
Pancreas	+			+		+		+	+	+	+	+	+	+	+	+	10
Salivary Glands	+			+		+		+	+	+	+	+	+	+	+	+	10
Stomach, Forestomach	+			+		+		+	+	+	+	+	+	+	+	+	10
Stomach, Glandular	+			+		+		+	+	+	+	+	+	+	+	+	10

CARDIOVASCULAR SYSTEM

Aorta	+			+		+		+	+	+	+	+	+	+	+	+	10
-------	---	--	--	---	--	---	--	---	---	---	---	---	---	---	---	---	----

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue
M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically
1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/02/2018

Time Report Requested: 12:00:01

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

Lab: IIT

HARLAN SPRAGUE DAWLEY RATS FEMALE 3.0W/kg(GSM)chr	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	ANIMAL ID	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
		3	6	6	3	6	6	3	6	3	3	3	3	3	3	3	3
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1
		4	4	4	5	6	7	7	8	8	9	9	0	2	2	2	2
		4	7	9	4	0	2	3	2	9	0	4	5	6	1	6	6
* TOTALS																	

Heart	+																	10
Cardiomyopathy													1					1 1.0
Ventricle Right, Cardiomyopathy	1																	1 1.0

ENDOCRINE SYSTEM

Adrenal Cortex	+																	10
Adrenal Medulla	+																	10
Islets, Pancreatic	+																	10
Parathyroid Gland	+																	9
Pituitary Gland	+																	10
Thyroid Gland	+																	10

GENERAL BODY SYSTEM

NONE																	
------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

GENITAL SYSTEM

Clitoral Gland	+																	10
Inflammation, Chronic Active	1																	6 1.3
Ovary	+																	10
Uterus	+																	10

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HARLAN SPRAGUE DAWLEY RATS FEMALE 3.0W/kg(GSM)chr	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
		3	6	6	3	6	6	3	6	3	3	3	3	3	3	3	3
		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1
		4	4	4	5	6	7	7	8	8	9	9	0	2	2	2	2
		4	7	9	4	0	2	3	2	9	0	4	5	6	1	6	6
* TOTALS																	

HEMATOPOIETIC SYSTEM

Bone Marrow	+		+			+		+	+	+	+	+	+	+	+	+	10
Lymph Node, Mandibular	+		+			+		+	+	+	+	+	+	+	+	+	10
Lymph Node, Mesenteric	+		+			+		+	+	+	+	+	+	+	+	+	10
Spleen	+		+			+		+	+	+	+	+	+	+	+	+	10
Thymus Hemorrhage	+		+			+		+	+	+	+	+	+	+	+	+	10
										1							1 1.0

INTEGUMENTARY SYSTEM

Mammary Gland	+		+			+		+	+	+	+	+	+	+	+	+	10
Skin	+		+			+		+	+	+	+	+	+	+	+	+	10

MUSCULOSKELETAL SYSTEM

Bone	+		+			+		+	+	+	+	+	+	+	+	+	10
Skeletal Muscle Infiltration Cellular, Histiocyte	+		+			+		+	+	+	+	+	+	+	+	+	10
																	1 1.0

NERVOUS SYSTEM

Brain	+		+			+		+	+	+	+	+	+	+	+	+	10
-------	---	--	---	--	--	---	--	---	---	---	---	---	---	---	---	---	----

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Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/02/2018

Time Report Requested: 12:00:01

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

Lab: IIT

HARLAN SPRAGUE DAWLEY RATS FEMALE 3.0W/kg(GSM)chr	DAY ON TEST															* TOTALS
	0 9 3	0 9 6	0 9 6	0 9 3	0 9 6	0 9 6	0 9 3	0 9 6	0 9 3	0 9 3	0 9 3	0 9 3	0 9 3	0 9 3	0 9 3	
ANIMAL ID	0 1 0 4 4	0 1 0 4 7	0 1 0 4 9	0 1 0 5 4	0 1 0 6 0	0 1 0 7 2	0 1 0 7 3	0 1 0 8 2	0 1 0 8 9	0 1 0 8 0	0 1 0 9 4	0 1 0 9 5	0 1 0 9 6	0 1 0 0 1	0 1 0 2 1	0 1 0 2 6

Nerve Trigeminal	+		+			+		+	+	+	+	+	+	+	+	10
Peripheral Nerve, Sciatic	+		+			+		+	+	+	+	+	+	+	+	10
Peripheral Nerve, Tibial	+		+			+		+	+	+	+	+	+	+	+	10
Spinal Cord, Cervical	+		+			+		+	+	+	+	+	+	+	+	10
Spinal Cord, Lumbar	+		+			+		+	+	+	+	+	+	+	+	10
Spinal Cord, Thoracic	+		+			+		+	+	+	+	+	+	+	+	10
Trigeminal Ganglion	+		+			+		+	+	+	+	+	+	+	+	10

RESPIRATORY SYSTEM

Lung	+		+			+		+	+	+	+	+	+	+	+	10
Congestion											2					1 2.0
Inflammation, Chronic Active																1 1.0
Epithelium Alveolus, Hyperplasia																1 1.0
Nose	+		+			+		+	+	+	+	+	+	+	+	10
Trachea	+		+			+		+	+	+	+	+	+	+	+	10

SPECIAL SENSES SYSTEM

Eye	+		+			+		+	+	+	+	+	+	+	+	10
Harderian Gland	+		+			+		+	+	+	+	+	+	+	+	10

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Lab: IIT

HARLAN SPRAGUE DAWLEY RATS FEMALE 3.0W/kg(GSM)chr	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	
		3	6	6	3	6	6	3	6	3	3	3	3	3	3	3	
	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		1	1	1	1	1	1	1	1	1	1	1	1	1	1		
		0	0	0	0	0	0	0	0	0	0	1	1	1	1		
		4	4	4	5	6	7	7	8	8	9	9	0	2	2		
		4	7	9	4	0	2	3	2	9	0	4	5	6	1	6	
* TOTALS																	

URINARY SYSTEM

Kidney	+																10
Nephropathy, Chronic Progressive				1						1					1		3 1.0
Urinary Bladder	+																10

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

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

Lab: IIT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	HARLAN SPRAGUE DAWLEY RATS FEMALE	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
6.0W/kg(GSM)chr	6	6	3	3	3	6	3	3	3	6	6	3	3	3	3	3	3
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3
	3	3	6	6	7	8	8	9	0	1	1	1	2	3	3	3	3
	6	9	3	9	9	5	9	3	2	3	4	5	5	4	6	6	6
* TOTALS																	

ALIMENTARY SYSTEM

Esophagus			+	+	+			+	+	+			+	+	+	+	10
Intestine Large, Cecum			+	+	+			+	+	+			+	+	+	+	10
Intestine Large, Colon			+	+	+			+	+	+			+	+	+	+	10
Intestine Large, Rectum			+	+	+			+	+	+			+	+	+	+	10
Intestine Small, Duodenum			+	+	+			+	+	+			+	+	+	+	10
Intestine Small, Ileum			+	+	+			+	+	+			+	+	+	+	10
Intestine Small, Jejunum			+	+	+			+	+	+			+	+	+	+	10
Liver			+	+	+			+	+	+			+	+	+	+	10
Infiltration Cellular, Mixed Cell										1							1 1.0
Pancreas			+	+	+			+	+	+			+	+	+	+	10
Salivary Glands			+	+	+			+	+	+			+	+	+	+	10
Degeneration, Cystic													3				1 3.0
Stomach, Forestomach			+	+	+			+	+	+			+	+	+	+	10
Stomach, Glandular			+	+	+			+	+	+			+	+	+	+	10

CARDIOVASCULAR SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue
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1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
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Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

Lab: IIT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
ANIMAL ID	6	6	3	3	3	6	3	3	3	6	6	3	3	3	3	3	3	3	3
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HARLAN SPRAGUE DAWLEY RATS FEMALE	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6.0W/kg(GSM)chr	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3
	3	3	6	6	7	8	8	9	0	1	1	1	2	3	3	3	3	3	3
	6	9	3	9	9	5	9	3	2	3	4	5	5	4	6	6	6	6	6
																			* TOTALS
Aorta			+	+	+		+	+	+				+	+	+	+			10
Heart			+	+	+		+	+	+				+	+	+	+			10
Cardiomyopathy							1		1										2 1.0
ENDOCRINE SYSTEM																			
Adrenal Cortex			+	+	+		+	+	+				+	+	+	+			10
Adrenal Medulla			+	+	+		+	+	+				+	+	+	+			10
Islets, Pancreatic			+	+	+		+	+	+				+	+	+	+			10
Parathyroid Gland			+	+	+		+	+	+				M	+	+	+			9
Pituitary Gland			+	+	+		+	+	+				+	+	+	+			10
Thyroid Gland			+	+	+		+	+	+				+	+	+	+			10
GENERAL BODY SYSTEM																			
NONE																			
GENITAL SYSTEM																			
Clitoral Gland			+	+	+		+	+	+				+	+	+	+			10
Inflammation, Chronic Active							3	1	1				1						4 1.5
Ovary			+	+	+		+	+	+				+	+	+	+			10
Cyst				X															1

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Experiment Number: 20105 - 59

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Route: Whole Body Exposure

Species/Strain: RATS/HSD

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/02/2018

Time Report Requested: 12:00:01

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

Lab: IIT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
HARLAN SPRAGUE DAWLEY RATS FEMALE	6	6	3	3	3	6	3	3	3	6	6	3	3	3	3	3	3	3
6.0W/kg(GSM)chr																		
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3
	3	3	6	6	7	8	8	9	0	1	1	1	2	3	3	3	3	3
	6	9	3	9	9	5	9	3	2	3	4	5	5	4	6	6	6	6
	* TOTALS																	
Uterus			+	+	+			+	+	+			+	+	+	+		10
HEMATOPOIETIC SYSTEM																		
Bone Marrow			+	+	+			+	+	+			+	+	+	+		10
Lymph Node, Mandibular			+	+	+			+	+	+			+	+	+	+		10
Hyperplasia, Lymphocyte										1					1			2 1.0
Proliferation, Plasma Cell								1	1						1			3 1.0
Lymph Node, Mesenteric			+	+	+			+	+	+			+	+	+	+		10
Spleen			+	+	+			+	+	+			+	+	+	+		10
Thymus			+	+	+			+	+	+			+	+	+	+		10
INTEGUMENTARY SYSTEM																		
Mammary Gland			+	+	+			+	+	+			+	+	+	+		10
Skin			+	+	+			+	+	+			+	+	+	+		10
MUSCULOSKELETAL SYSTEM																		
Bone			+	+	+			+	+	+			+	+	+	+		10
Skeletal Muscle			+	+	+			+	+	+			+	+	+	+		10
NERVOUS SYSTEM																		

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 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 01/02/2018

Time Report Requested: 12:00:01

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

Lab: IIT

HARLAN SPRAGUE DAWLEY RATS FEMALE 6.0W/kg(GSM)chr	DAY ON TEST		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	ANIMAL ID		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
			6	6	3	3	3	6	3	3	3	6	6	3	3	3	3	3
			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
			2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3
			3	3	6	6	7	8	8	9	0	1	1	1	2	3	3	3
			6	9	3	9	9	5	9	3	2	3	4	5	4	6	6	6
			* TOTALS															
Brain					+	+	+		+	+	+			+	+	+	+	10
Nerve Trigeminal					+	+	+		+	+	+			+	+	+	+	10
Peripheral Nerve, Sciatic					+	+	+		+	+	+			+	+	+	+	10
Peripheral Nerve, Tibial					+	+	+		+	+	+			+	+	+	+	10
Spinal Cord, Cervical					+	+	+		+	+	+			+	+	+	+	10
Spinal Cord, Lumbar					+	+	+		+	+	+			+	+	+	+	10
Spinal Cord, Thoracic					+	+	+		+	+	+			+	+	+	+	10
Trigeminal Ganglion					+	+	+		+	+	+			+	+	+	+	10
RESPIRATORY SYSTEM																		
Lung					+	+	+		+	+	+			+	+	+	+	10
Nose					+	+	+		+	+	+			+	+	+	+	10
Trachea					+	+	+		+	+	+			+	+	+	+	10
SPECIAL SENSES SYSTEM																		
Eye					+	+	+		+	+	+			+	+	+	+	10
Harderian Gland					+	+	+		+	+	+			+	+	+	+	10

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
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X .. Lesion present
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