

**Experiment Number:** 20105 - 59

**Test Type:** CHRONIC

**Route:** Whole Body Exposure

**Species/Strain:** RATS/HSD

**P04: NEOPLASMS 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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<b>HARLAN SPRAGUE DAWLEY RATS</b> <b>MALE</b> <b>0.0W/kg(GSM)chr</b>	DAY ON TEST	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
		9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
		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
		5	5	5	5	5	5	5	5	5	5	5	5	5	6	0
		0	0	0	2	2	3	3	3	5	6	7	8	9	0	3
		5	7	8	5	6	8	1	2	7	6	8	9	2	0	3
<b>* TOTALS</b>																

**ALIMENTARY SYSTEM**

Esophagus	+	+	+		+	+	+	+		+	+	+				<b>10</b>
Intestine Large, Cecum	+		+	+		+	+	+	+		+	+	+			<b>10</b>
Intestine Large, Colon	+		+	+		+	+	+	+		+	+	+			<b>10</b>
Intestine Large, Rectum	+		+	+		+	+	+	+		+	+	+			<b>10</b>
Intestine Small, Duodenum	+		+	+		+	+	+	+		+	+	+			<b>10</b>
Intestine Small, Ileum	+		+	+		+	+	+	+		+	+	+			<b>10</b>
Intestine Small, Jejunum	+		+	+		+	+	+	+		+	+	+			<b>10</b>
Liver	+		+	+		+	+	+	+		+	+	+			<b>10</b>
Pancreas	+		+	+		+	+	+	+		+	+	+			<b>10</b>
Salivary Glands	+		+	+		+	+	+	+		+	+	+			<b>10</b>
Stomach, Forestomach	+		+	+		+	+	+	+		+	+	+			<b>10</b>
Stomach, Glandular	+		+	+		+	+	+	+		+	+	+			<b>10</b>

**CARDIOVASCULAR SYSTEM**

Aorta	+	+	+		+	+	+	+		+	+	+				<b>10</b>
-------	---	---	---	--	---	---	---	---	--	---	---	---	--	--	--	-----------

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
+ .. Tissue examined microscopically  
X .. Lesion present  
I .. Insufficient tissue

M .. Missing tissue  
A .. Autolysis precludes evaluation  
BLANK .. Not examined microscopically



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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	ANIMAL ID	* TOTALS
	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9		
<b>HARLAN SPRAGUE DAWLEY RATS MALE</b>	4	6	4	4	6	4	4	4	4	6	4	4	4	4	6	6			
<b>0.0W/kg(GSM)chr</b>	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	0	2	2	3	3	3	3	5	6	7	8	9	0	3			
	5	7	8	5	6	8	1	2	7	6	8	9	2	0	3				
Testis	+	+	+			+	+	+	+			+	+	+				10	
<b>HEMATOPOIETIC SYSTEM</b>																			
Bone Marrow	+		+	+			+	+	+	+			+	+	+				10
Lymph Node, Mandibular	+		+	+			+	+	+	+			+	+	+				10
Lymph Node, Mesenteric	+		+	+			+	+	+	+			+	+	+				10
Spleen	+		+	+			+	+	+	+			+	+	+				10
Thymus	+		+	+			+	+	+	+			+	+	+				10
<b>INTEGUMENTARY SYSTEM</b>																			
Mammary Gland	+		+	+			+	+	+	+			+	+	+				10
Skin	+		+	+			+	+	+	+			+	+	+				10
<b>MUSCULOSKELETAL SYSTEM</b>																			
Bone	+		+	+			+	+	+	+			+	+	+				10
Skeletal Muscle	+		+	+			+	+	+	+			+	+	+				10
<b>NERVOUS SYSTEM</b>																			
Brain	+		+	+			+	+	+	+			+	+	+				10

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
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Lab: IIT

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 2 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	
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	
<b>RESPIRATORY SYSTEM</b>																
Lung	+		+	+		+	+	+	+		+	+	+		10	
Nose	+		+	+		+	+	+	+		+	+	+		10	
Trachea	+		+	+		+	+	+	+		+	+	+		10	
<b>SPECIAL SENSES SYSTEM</b>																
Eye	+		+	+		+	+	+	+		+	+	+		10	
Harderian Gland	+		+	+		+	+	+	+		+	+	+		10	
<b>URINARY SYSTEM</b>																

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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
<b>HARLAN SPRAGUE DAWLEY RATS MALE</b>		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
	<b>1.5W/kg(GSM)chr</b>																
ANIMAL ID		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	1	9	2	4	2	3	9	9
<b>* TOTALS</b>																	

**ALIMENTARY SYSTEM**

Esophagus	+	+	+					+	+	+	+	+	+	+				<b>10</b>
Intestine Large, Cecum	+	+	+					+	+	+	+	+	+	+				<b>10</b>
Intestine Large, Colon	+	+	+					+	+	+	+	+	+	+				<b>10</b>
Intestine Large, Rectum	+	+	+					+	+	+	+	+	+	+				<b>10</b>
Intestine Small, Duodenum	+	+	+					+	+	+	+	+	+	+				<b>10</b>
Intestine Small, Ileum	+	+	+					+	+	+	+	+	+	+				<b>10</b>
Intestine Small, Jejunum	+	+	+					+	+	+	+	+	+	+				<b>10</b>
Liver	+	+	+					+	+	+	+	+	+	+				<b>10</b>
Pancreas	+	+	+					+	+	+	+	+	+	+				<b>10</b>
Salivary Glands	+	+	+					+	+	+	+	+	+	+				<b>10</b>
Stomach, Forestomach	+	+	+					+	+	+	+	+	+	+				<b>10</b>
Stomach, Glandular	+	+	+					+	+	+	+	+	+	+				<b>10</b>

**CARDIOVASCULAR SYSTEM**

Aorta	+	+	+					+	+	+	+	+	+	+				<b>10</b>
-------	---	---	---	--	--	--	--	---	---	---	---	---	---	---	--	--	--	-----------

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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	6	4	4	4	6	6	6	4	4	4	4	6	4	4	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
	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	6	6	7	8	9	0	0	0	0	0	0
	1	0	3	9	1	5	6	0	0	1	9	2	4	2	3	9		
	<b>* TOTALS</b>																	
Testis		+	+	+					+	+	+	+		+	+	+		<b>10</b>
<b>HEMATOPOIETIC SYSTEM</b>																		
Bone Marrow		+	+	+					+	+	+	+		+	+	+		<b>10</b>
Lymph Node, Mandibular		+	+	+					+	+	+	+		+	+	+		<b>10</b>
Lymph Node, Mesenteric		+	+	+					+	+	+	+		+	+	+		<b>10</b>
Spleen		+	+	+					+	+	+	+		+	+	+		<b>10</b>
Thymus		+	+	+					+	+	+	+		+	+	+		<b>10</b>
<b>INTEGUMENTARY SYSTEM</b>																		
Mammary Gland		+	+	+					+	+	+	+		+	+	+		<b>10</b>
Skin		+	+	+					+	+	+	+		+	+	+		<b>10</b>
<b>MUSCULOSKELETAL SYSTEM</b>																		
Bone		+	+	+					+	+	+	+		+	+	+		<b>10</b>
Skeletal Muscle		+	+	+					+	+	+	+		+	+	+		<b>10</b>
<b>NERVOUS SYSTEM</b>																		
Brain		+	+	+					+	+	+	+		+	+	+		<b>10</b>

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
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DAY ON TEST		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>HARLAN SPRAGUE DAWLEY RATS MALE</b>		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	<b>3.0W/kg(GSM)chr</b>	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	6	6	9	0	0	2	5
		1	2	5	9	6	0	8	2	6	8	7	9	5	6	5	
<b>* TOTALS</b>																	

**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
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	4	6	4	4	4	4	4	6	4	6	6	4	4	4	4	6	6	6
3.0W/kg(GSM)chr																		
ANIMAL ID	0	0	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	9	0	0	0
	2	2	2	2	3	4	4	5	5	6	6	7	9	9	5	6	2	5
	1	2	5	9	6	0	8	2	6	8	7	9	5	6	5	6	5	5
	<b>* TOTALS</b>																	
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<b>ENDOCRINE SYSTEM</b>																		
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<b>GENERAL BODY SYSTEM</b>																		
NONE																		
<b>GENITAL SYSTEM</b>																		
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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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	4	4	4	6	4	6	6	4	4	4	4	6	6	
3.0W/kg(GSM)chr																		
ANIMAL ID	0	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	9	0	0	
	2	2	2	2	3	4	4	5	5	6	6	7	9	5	6	2	5	
	1	2	5	9	6	0	8	2	6	8	7	9	5	6	5			<b>* TOTALS</b>
Nerve Trigeminal	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Peripheral Nerve, Sciatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Peripheral Nerve, Tibial	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Spinal Cord, Cervical	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Spinal Cord, Lumbar	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Spinal Cord, Thoracic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Trigeminal Ganglion	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>10</b>
<b>RESPIRATORY SYSTEM</b>																		
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>10</b>
<b>SPECIAL SENSES SYSTEM</b>																		
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>10</b>
<b>URINARY SYSTEM</b>																		

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically





Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P04: NEOPLASMS 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
<b>HARLAN SPRAGUE DAWLEY RATS MALE</b>		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
	<b>6.0W/kg(GSM)chr</b>																
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
<b>* TOTALS</b>																	

**ALIMENTARY SYSTEM**

Esophagus	+	+	+	+	+	+		+	+		+	+					<b>10</b>
Intestine Large, Cecum	+	+	+	+	+	+		+	+		+	+					<b>10</b>
Intestine Large, Colon	+	+	+	+	+	+		+	+		+	+					<b>10</b>
Intestine Large, Rectum	+	+	+	+	+	+		+	+		+	+					<b>10</b>
Intestine Small, Duodenum	+	+	+	+	+	+		+	+		+	+					<b>10</b>
Intestine Small, Ileum	+	+	+	+	+	+		+	+		+	+					<b>10</b>
Intestine Small, Jejunum	+	+	+	+	+	+		+	+		+	+					<b>10</b>
Liver	+	+	+	+	+	+		+	+		+	+					<b>10</b>
Pancreas	+	+	+	+	+	+		+	+		+	+					<b>10</b>
Salivary Glands	+	+	+	+	+	+		+	+		+	+					<b>10</b>
Stomach, Forestomach	+	+	+	+	+	+		+	+		+	+					<b>10</b>
Stomach, Glandular	+	+	+	+	+	+		+	+		+	+					<b>10</b>

**CARDIOVASCULAR SYSTEM**

Aorta	+	+	+	+	+	+		+	+		+	+					<b>10</b>
-------	---	---	---	---	---	---	--	---	---	--	---	---	--	--	--	--	-----------

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P04: NEOPLASMS 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	
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 0 4	0 1 1 1 2	0 1 1 2 1	0 1 1 2 6	0 1 1 3 1	0 1 1 3 2	
Heart	+	+	+	+	+	+		+	+		+		+		<b>10</b>	
<b>ENDOCRINE SYSTEM</b>																
Adrenal Cortex	+	+	+	+	+	+		+	+		+		+		<b>10</b>	
Adrenal Medulla	+	+	+	+	+	+		+	+		+		+		<b>10</b>	
Islets, Pancreatic	+	+	+	+	+	+		+	+		+		+		<b>10</b>	
Parathyroid Gland	M	+	M	+	+	+		+	+		+		+		<b>8</b>	
Pituitary Gland	+	+	+	+	+	+		+	+		+		+		<b>10</b>	
Thyroid Gland	+	+	+	+	+	+		+	+		+		+		<b>10</b>	
<b>GENERAL BODY SYSTEM</b>																
NONE																
<b>GENITAL SYSTEM</b>																
Epididymis	+	+	+	+	+	+		+	+		+		+		<b>10</b>	
Preputial Gland	+	+	+	+	+	+		+	+		+		+		<b>10</b>	
Prostate	+	+	+	+	+	+		+	+		+		+		<b>10</b>	
Seminal Vesicle	+	+	+	+	+	+		+	+		+		+		<b>10</b>	

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically



Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P04: NEOPLASMS 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 MALE	4	4	4	4	4	4	6	4	4	6	4	6	4	6	4	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	3	3	3
	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
	<b>* TOTALS</b>																	
Nerve Trigeminal	+	+	+	+	+	+		+	+		+	+						<b>10</b>
Peripheral Nerve, Sciatic	+	+	+	+	+	+		+	+		+	+						<b>10</b>
Peripheral Nerve, Tibial	+	+	+	+	+	+		+	+		+	+						<b>10</b>
Spinal Cord, Cervical	+	+	+	+	+	+		+	+		+	+						<b>10</b>
Spinal Cord, Lumbar	+	+	+	+	+	+		+	+		+	+						<b>10</b>
Spinal Cord, Thoracic	+	+	+	+	+	+		+	+		+	+						<b>10</b>
Trigeminal Ganglion	+	+	+	+	+	+		+	+		+	+						<b>10</b>
<b>RESPIRATORY SYSTEM</b>																		
Lung	+	+	+	+	+	+		+	+		+	+						<b>10</b>
Nose	+	+	+	+	+	+		+	+		+	+						<b>10</b>
Trachea	+	+	+	+	+	+		+	+		+	+						<b>10</b>
<b>SPECIAL SENSES SYSTEM</b>																		
Eye	+	+	+	+	+	+		+	+		+	+						<b>10</b>
Harderian Gland	+	+	+	+	+	+		+	+		+	+						<b>10</b>
<b>URINARY SYSTEM</b>																		

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically



Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P04: NEOPLASMS 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

<b>HARLAN SPRAGUE DAWLEY RATS</b> <b>FEMALE</b> <b>0.0W/kg(GSM)chr</b>	DAY ON TEST	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	
		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	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	
		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	
<b>* TOTALS</b>																	

**ALIMENTARY SYSTEM**

Esophagus	+	+		+			+		+	+	+	+	+	+		<b>10</b>
Intestine Large, Cecum	+	+		+			+		+	+	+	+	+	+		<b>10</b>
Intestine Large, Colon	+	+		+			+		+	+	+	+	+	+		<b>10</b>
Intestine Large, Rectum	+	+		+			+		+	+	+	+	+	+		<b>10</b>
Intestine Small, Duodenum	+	+		+			+		+	+	+	+	+	+		<b>10</b>
Intestine Small, Ileum	+	+		+			+		+	+	+	+	+	+		<b>10</b>
Intestine Small, Jejunum	+	+		+			+		+	+	+	+	+	+		<b>10</b>
Liver	+	+		+			+		+	+	+	+	+	+		<b>10</b>
Pancreas	+	+		+			+		+	+	+	+	+	+		<b>10</b>
Salivary Glands	+	+		+			+		+	+	+	+	+	+		<b>10</b>
Stomach, Forestomach	+	+		+			+		+	+	+	+	+	+		<b>10</b>
Stomach, Glandular	+	+		+			+		+	+	+	+	+	+		<b>10</b>

**CARDIOVASCULAR SYSTEM**

Aorta	+	+		+			+		+	+	+	+	+	+		<b>10</b>
-------	---	---	--	---	--	--	---	--	---	---	---	---	---	---	--	-----------

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
+ .. Tissue examined microscopically  
X .. Lesion present  
I .. Insufficient tissue

M .. Missing tissue  
A .. Autolysis precludes evaluation  
BLANK .. Not examined microscopically









Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P04: NEOPLASMS 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

<b>HARLAN SPRAGUE DAWLEY RATS</b> <b>FEMALE</b> <b>0.0W/kg(GSM)chr</b>	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	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		
		6	6	6	6	6	6	6	6	6	6	6	6	7	7		
		6	2	7	0	8	0	2	7	3	6	2	5	0	2		
																<b>* TOTALS</b>	

**SYSTEMIC LESIONS**

Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>10</b>
----------------	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	-----------

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
+ .. Tissue examined microscopically  
X .. Lesion present  
I .. Insufficient tissue

M .. Missing tissue  
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BLANK .. Not examined microscopically

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P04: NEOPLASMS 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
<b>HARLAN SPRAGUE DAWLEY RATS FEMALE</b>		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
	<b>1.5W/kg(GSM)chr</b>	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
ANIMAL ID		0	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	8	9	9	9
		3	3	4	5	5	6	7	7	8	8	8	8	9	0	0	1
		4	5	9	0	5	7	7	2	3	6	5	8	3	6	5	
<b>* TOTALS</b>																	

**ALIMENTARY SYSTEM**

Esophagus	+	+	+		+		+	+	+		+	+			+		<b>10</b>
Intestine Large, Cecum	+	+	+		+		+	+	+		+	+			+		<b>10</b>
Intestine Large, Colon	+	+	+		+		+	+	+		+	+			+		<b>10</b>
Intestine Large, Rectum	+	+	+		+		+	+	+		+	+			+		<b>10</b>
Intestine Small, Duodenum	+	+	+		+		+	+	+		+	+			+		<b>10</b>
Intestine Small, Ileum	+	+	+		+		+	+	+		+	+			+		<b>10</b>
Intestine Small, Jejunum	+	+	+		+		+	+	+		+	+			+		<b>10</b>
Liver	+	+	+		+		+	+	+		+	+			+		<b>10</b>
Pancreas	+	+	+		+		+	+	+		+	+			+		<b>10</b>
Salivary Glands	+	+	+		+		+	+	+		+	+			+		<b>10</b>
Stomach, Forestomach	+	+	+		+		+	+	+		+	+			+		<b>10</b>
Stomach, Glandular	+	+	+		+		+	+	+		+	+			+		<b>10</b>

**CARDIOVASCULAR SYSTEM**

Aorta	+	+	+		+		+	+	+		+	+			+		<b>10</b>
-------	---	---	---	--	---	--	---	---	---	--	---	---	--	--	---	--	-----------

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
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M .. Missing tissue  
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Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P04: NEOPLASMS 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	3	3	3	6	3	6	3	3	3	6	3	3	6	6	6	3		
1.5W/kg(GSM)chr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	8	8	8	8	8	8	8	8	8	8	8	8	8	9	9	9	9	9
	3	3	4	5	5	6	7	2	3	6	5	8	9	0	0	1		
	4	5	9	0	5	7	7	8	3	6	5	8	9	3	6	5		
	<b>* TOTALS</b>																	
Heart	+	+	+		+		+	+	+		+	+			+			<b>10</b>
<b>ENDOCRINE SYSTEM</b>																		
Adrenal Cortex	+	+	+		+		+	+	+		+	+			+			<b>10</b>
Adrenal Medulla	+	+	+		+		+	+	+		+	+			+			<b>10</b>
Islets, Pancreatic	+	+	+		+		+	+	+		+	+			+			<b>10</b>
Parathyroid Gland	+	+	+		+		+	+	+		+	M			M			<b>8</b>
Pituitary Gland	+	+	+		+		+	+	+		+	+			+			<b>10</b>
Thyroid Gland	+	+	+		+		+	+	+		+	+			+			<b>10</b>
<b>GENERAL BODY SYSTEM</b>																		
NONE																		
<b>GENITAL SYSTEM</b>																		
Clitoral Gland	+	+	+		+		+	+	+		+	+			+			<b>10</b>
Ovary	+	+	+		+		+	+	+		+	+			+			<b>10</b>
Uterus	+	+	+		+		+	+	+		+	+			+			<b>10</b>
<b>HEMATOPOIETIC SYSTEM</b>																		

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically

Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P04: NEOPLASMS 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	3	3	3	6	3	6	3	3	3	6	3	3	6	6	3	6	3	3
1.5W/kg(GSM)chr	0	0	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	0	0
	8	8	8	8	8	8	8	8	8	8	8	8	8	8	9	9	9	9
	3	3	4	5	5	6	7	8	8	8	8	8	8	9	0	0	1	5
	4	5	9	0	5	7	7	2	3	6	5	8	3	6	6	5		
																		* TOTALS
Bone Marrow	+	+	+		+		+	+	+		+	+		+				10
Lymph Node, Mandibular	+	+	+		+		+	+	+		+	+		+				10
Lymph Node, Mesenteric	+	+	+		+		+	+	+		+	+		+				10
Spleen	+	+	+		+		+	+	+		+	+		+				10
Thymus	+	+	+		+		+	+	+		+	+		+				10
<b>INTEGUMENTARY SYSTEM</b>																		
Mammary Gland	+	+	+		+		+	+	+		+	+		+				10
Skin	+	+	+		+		+	+	+		+	+		+				10
<b>MUSCULOSKELETAL SYSTEM</b>																		
Bone	+	+	+		+		+	+	+		+	+		+				10
Skeletal Muscle	+	+	+		+		+	+	+		+	+		+				10
<b>NERVOUS SYSTEM</b>																		
Brain	+	+	+		+		+	+	+		+	+		+				10
Nerve Trigeminal	+	+	+		+		+	+	+		+	+		+				10
Peripheral Nerve, Sciatic	+	+	+		+		+	+	+		+	+		+				10

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically



Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P04: NEOPLASMS 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 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	
		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	
		<b>* TOTALS</b>															

SYSTEMIC LESIONS

Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
----------------	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	----

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
+ .. 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

P04: NEOPLASMS 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
<b>HARLAN SPRAGUE DAWLEY RATS</b>	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
<b>FEMALE</b>	3	6	6	3	6	6	3	6	3	3	3	3	3	3	3	3	3
<b>3.0W/kg(GSM)chr</b>	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
<b>ANIMAL ID</b>	0	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	9	0	2	2	2	2
	4	7	9	4	0	2	3	2	9	0	4	5	6	1	6		
<b>* TOTALS</b>																	

**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
Pancreas	+		+		+		+	+	+	+	+	+	+	+	+	+	10
Salivary Glands	+		+		+		+	+	+	+	+	+	+	+	+	+	10
Stomach, Forestomach	+		+		+		+	+	+	+	+	+	+	+	+	+	10
Stomach, Glandular	+		+		+		+	+	+	+	+	+	+	+	+	+	10

**CARDIOVASCULAR SYSTEM**

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

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
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M .. Missing tissue  
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 BLANK .. Not examined microscopically



Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P04: NEOPLASMS 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	3	6	6	3	6	6	3	6	3	3	3	3	3	3	3	3	3	3
3.0W/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
	0	0	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	9	9	0	2	2	2	2
	4	7	9	4	0	2	3	2	9	0	4	5	6	1	6			
	<b>* TOTALS</b>																	
Heart	+			+				+		+	+	+	+	+	+	+	+	+
	<b>10</b>																	
<b>ENDOCRINE SYSTEM</b>																		
Adrenal Cortex	+			+				+		+	+	+	+	+	+	+	+	+
	<b>10</b>																	
Adrenal Medulla	+			+				+		+	+	+	+	+	+	+	+	+
	<b>10</b>																	
Islets, Pancreatic	+			+				+		+	+	+	+	+	+	+	+	+
	<b>10</b>																	
Parathyroid Gland	+			M				+		+	+	+	+	+	+	+	+	+
	<b>9</b>																	
Pituitary Gland	+			+				+		+	+	+	+	+	+	+	+	+
	<b>10</b>																	
Thyroid Gland	+			+				+		+	+	+	+	+	+	+	+	+
	<b>10</b>																	
<b>GENERAL BODY SYSTEM</b>																		
NONE																		
<b>GENITAL SYSTEM</b>																		
Clitoral Gland	+			+				+		+	+	+	+	+	+	+	+	+
	<b>10</b>																	
Ovary	+			+				+		+	+	+	+	+	+	+	+	+
	<b>10</b>																	
Uterus	+			+				+		+	+	+	+	+	+	+	+	+
	<b>10</b>																	

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue

M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically





Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

P04: NEOPLASMS 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

<b>HARLAN SPRAGUE DAWLEY RATS</b> <b>FEMALE</b> <b>3.0W/kg(GSM)chr</b>	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	
																<b>* TOTALS</b>	

SYSTEMIC LESIONS

Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
----------------	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	----

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
+ .. 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

P04: NEOPLASMS 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
<b>HARLAN SPRAGUE DAWLEY RATS FEMALE</b>	<b>6.0W/kg(GSM)chr</b>	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
<b>ANIMAL ID</b>		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	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	5	4	6	6
<b>* TOTALS</b>																	

**ALIMENTARY SYSTEM**

Esophagus			+	+	+			+	+	+			+	+	+	+	<b>10</b>
Intestine Large, Cecum			+	+	+			+	+	+			+	+	+	+	<b>10</b>
Intestine Large, Colon			+	+	+			+	+	+			+	+	+	+	<b>10</b>
Intestine Large, Rectum			+	+	+			+	+	+			+	+	+	+	<b>10</b>
Intestine Small, Duodenum			+	+	+			+	+	+			+	+	+	+	<b>10</b>
Intestine Small, Ileum			+	+	+			+	+	+			+	+	+	+	<b>10</b>
Intestine Small, Jejunum			+	+	+			+	+	+			+	+	+	+	<b>10</b>
Liver			+	+	+			+	+	+			+	+	+	+	<b>10</b>
Pancreas			+	+	+			+	+	+			+	+	+	+	<b>10</b>
Salivary Glands			+	+	+			+	+	+			+	+	+	+	<b>10</b>
Stomach, Forestomach			+	+	+			+	+	+			+	+	+	+	<b>10</b>
Stomach, Glandular			+	+	+			+	+	+			+	+	+	+	<b>10</b>

**CARDIOVASCULAR SYSTEM**

Aorta			+	+	+			+	+	+			+	+	+	+	<b>10</b>
-------	--	--	---	---	---	--	--	---	---	---	--	--	---	---	---	---	-----------

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
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Experiment Number: 20105 - 59

Test Type: CHRONIC

Route: Whole Body Exposure

Species/Strain: RATS/HSD

**P04: NEOPLASMS 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															* TOTALS	
	0 9 6	0 9 6	0 9 3	0 9 3	0 9 3	0 9 6	0 9 3	0 9 3	0 9 3	0 9 6	0 9 6	0 9 3	0 9 3	0 9 3	0 9 3		
ANIMAL ID	0 1 2 3 6	0 1 2 3 9	0 1 2 6 3	0 1 2 6 9	0 1 2 7 9	0 1 2 8 5	0 1 2 8 9	0 1 2 8 3	0 1 3 9 2	0 1 3 0 3	0 1 3 1 4	0 1 3 1 5	0 1 3 1 5	0 1 3 2 4	0 1 3 3 6		
Bone Marrow			+	+	+			+	+	+			+	+	+	+	10
Lymph Node, Mandibular			+	+	+			+	+	+			+	+	+	+	10
Lymph Node, Mesenteric			+	+	+			+	+	+			+	+	+	+	10
Spleen			+	+	+			+	+	+			+	+	+	+	10
Thymus			+	+	+			+	+	+			+	+	+	+	10
<b>INTEGUMENTARY SYSTEM</b>																	
Mammary Gland			+	+	+			+	+	+			+	+	+	+	10
Skin			+	+	+			+	+	+			+	+	+	+	10
<b>MUSCULOSKELETAL SYSTEM</b>																	
Bone			+	+	+			+	+	+			+	+	+	+	10
Skeletal Muscle			+	+	+			+	+	+			+	+	+	+	10
<b>NERVOUS SYSTEM</b>																	
Brain			+	+	+			+	+	+			+	+	+	+	10
Nerve Trigeminal			+	+	+			+	+	+			+	+	+	+	10
Peripheral Nerve, Sciatic			+	+	+			+	+	+			+	+	+	+	10

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. 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

P04: NEOPLASMS 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	
		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	
	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		
		2	2	2	2	2	2	2	3	3	3	3	3	3	3	3		
		3	3	6	6	7	8	8	9	0	1	1	1	2	3	3		
		6	9	3	9	9	5	9	3	2	3	4	5	5	4	6		
																	<b>* TOTALS</b>	

SYSTEMIC LESIONS

Multiple Organ

+ + + + + + + + + +

10

\*\*\* END OF REPORT \*\*\*

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
+ .. Tissue examined microscopically  
X .. Lesion present  
I .. Insufficient tissue

M .. Missing tissue  
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