

Motorola GEMS EME Lab

SPEAG 300 MHz Dipole; Model D300V2, SN 1002; Test Date: 3/12/06

Run #: MeC-Sys Perf-300B-060312-01 Sim.Tissue Temp: 21.2 (C)

TX Freq: 300 (MHz) Start power: 250 (mW)

Target: 2.79 mW/g for 1g SAR 1.83 mW/g for 10g SAR
 2.71 mW/g calculated 1g-SAR; -2.92 % from target (including drift)
 1.80 mW/g calculated 10g-SAR; -1.54 % from target (including drift)

Probe: ET3DV6 - SN1393, Calibrated: 5/20/2005, ConvF(7.7, 7.7, 7.7)

Duty Cycle: 1:1, Medium: 300 MHz Body, Medium parameters used: $f = 300$ MHz; $\sigma = 0.9$ mho/m; $\epsilon_r = 57.9$; $\rho = 1000$ kg/m³; Electronics: DAE3 Sn363, Calibrated: 5/24/2005

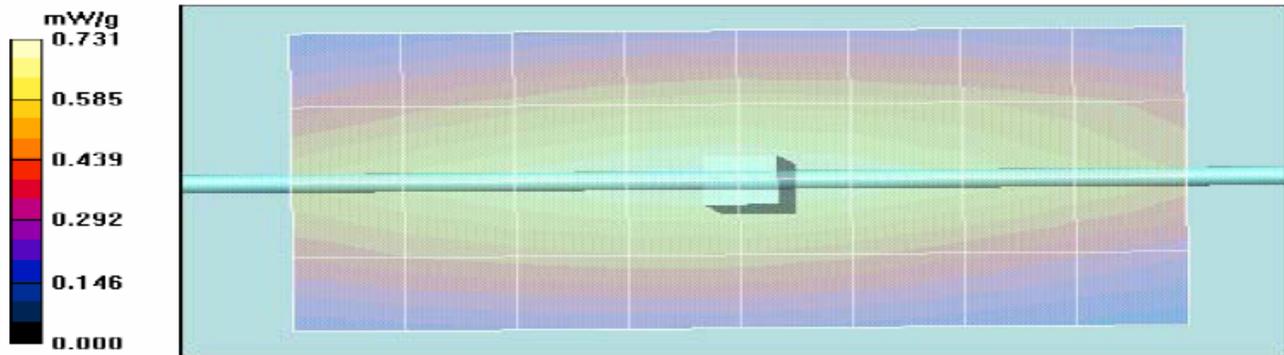
System Performance Check/0-Degree 5x5x7 Cube (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm; Reference Value = 28.5 V/m; Power Drift = 0.00543 dB
 Peak SAR (extrapolated) = 1.17 W/kg

SAR(1 g) = 0.694 mW/g; SAR(10 g) = 0.461 mW/g
 Maximum value of SAR (measured) = 0.730 mW/g

System Performance Check/90-Degree 5x5x7 Cube (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm; Reference Value = 28.5 V/m; Power Drift = 0.00543 dB
 Peak SAR (extrapolated) = 1.11 W/kg

SAR(1 g) = 0.661 mW/g; SAR(10 g) = 0.440 mW/g
 Maximum value of SAR (measured) = 0.692 mW/g

System Performance Check/Dipole Area Scan (41x81x1): Measurement grid: dx=15mm, dy=15mm
 Reference Value = 28.5 V/m; Power Drift = 0.00543 dB



Motorola GEMS EME Lab

SPEAG 300 MHz Dipole; Model D300V2, SN 1002; Test Date: 3/14/06

Run #: ErC-Sys Perf-300H-060314-01 Sim.Tissue Temp: 21.5 (C)

TX Freq: 300 (MHz) Start power: 250 (mW)

Target: 2.85 mW/g for 1g SAR 1.87 mW/g for 10g SAR
 2.92 mW/g calculated 1g-SAR; 2.35 % from target (including drift)
 1.91 mW/g calculated 10g-SAR; 2.34 % from target (including drift)

Probe: ET3DV6 - SN1393, Calibrated: 5/20/2005, ConvF(7.7, 7.7, 7.7)

Duty Cycle: 1:1, Medium: 300 MHz Head, Medium parameters used: f = 300 MHz; $\sigma = 0.88$ mho/m; $\epsilon_r = 45.9$; $\rho = 1000$

kg/m³;Electronics: DAE3 Sn363, Calibrated: 5/24/2005

System Performance Check/0-Degree 5x5x7 Cube (5x5x7)/Cube 0: Measurement grid:

dx=7.5mm, dy=7.5mm, dz=5mm; Reference Value = 29.5 V/m; Power Drift = -0.0405 dB

Peak SAR (extrapolated) = 1.23 W/kg

SAR(1 g) = 0.723 mW/g; SAR(10 g) = 0.474 mW/g

Maximum value of SAR (measured) = 0.764 mW/g

System Performance Check/90-Degree 5x5x7 Cube (5x5x7)/Cube 0: Measurement grid:

dx=7.5mm, dy=7.5mm, dz=5mm; Reference Value = 29.5 V/m; Power Drift = -0.0405 dB

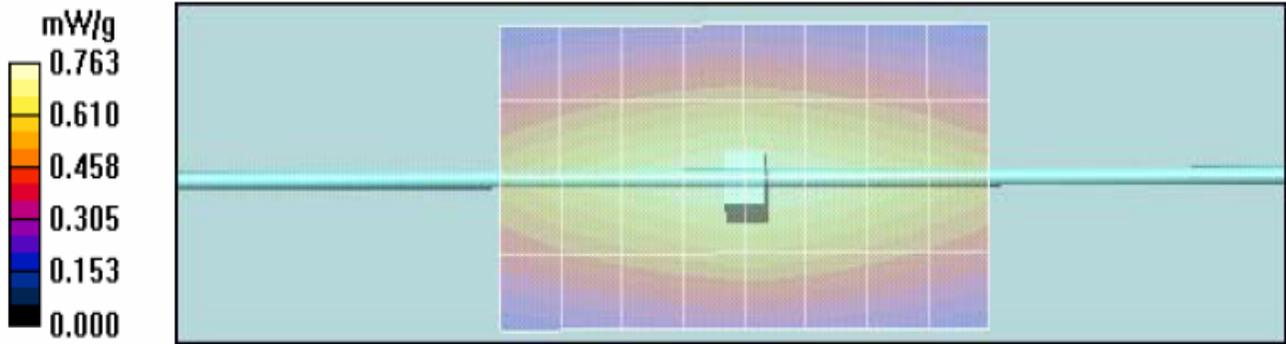
Peak SAR (extrapolated) = 1.23 W/kg

SAR(1 g) = 0.722 mW/g; SAR(10 g) = 0.474 mW/g

Maximum value of SAR (measured) = 0.763 mW/g

System Performance Check/Dipole Area Scan (5x9x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.766 mW/g



Motorola GEMS EME Lab

SPEAG 300 MHz Dipole; Model D300V2, SN 1002; Test Date: 3/16/06

Run #: MeC-Sys Perf-300B-060316-05 Sim.Tissue Temp: 21.0 (C)

TX Freq: 300 (MHz) Start power: 250 (mW)

Target: 2.79 mW/g for 1g SAR 1.83 mW/g for 10g SAR

2.64 mW/g calculated 1g-SAR; -5.25 % from target (including drift)

1.78 mW/g calculated 10g-SAR; -2.90 % from target (including drift)

Probe: ET3DV6 - SN1393, Calibrated: 5/20/2005, ConvF(7.7, 7.7, 7.7)

Duty Cycle: 1:1, Medium: 300 MHz Body, Medium parameters used: f = 300 MHz; $\sigma = 0.88$ mho/m; $\epsilon_r = 58$; $\rho = 1000$ kg/m³

Electronics: DAE3 Sn363, Calibrated: 5/24/2005

System Performance Check/0-Degree 5x5x7 Cube (5x5x7)/Cube 0: Measurement grid:

dx=7.5mm, dy=7.5mm, dz=5mm; Reference Value = 28.1 V/m; Power Drift = 0.00757 dB

Peak SAR (extrapolated) = 1.09 W/kg

SAR(1 g) = 0.661 mW/g; SAR(10 g) = 0.444 mW/g

Maximum value of SAR (measured) = 0.696 mW/g

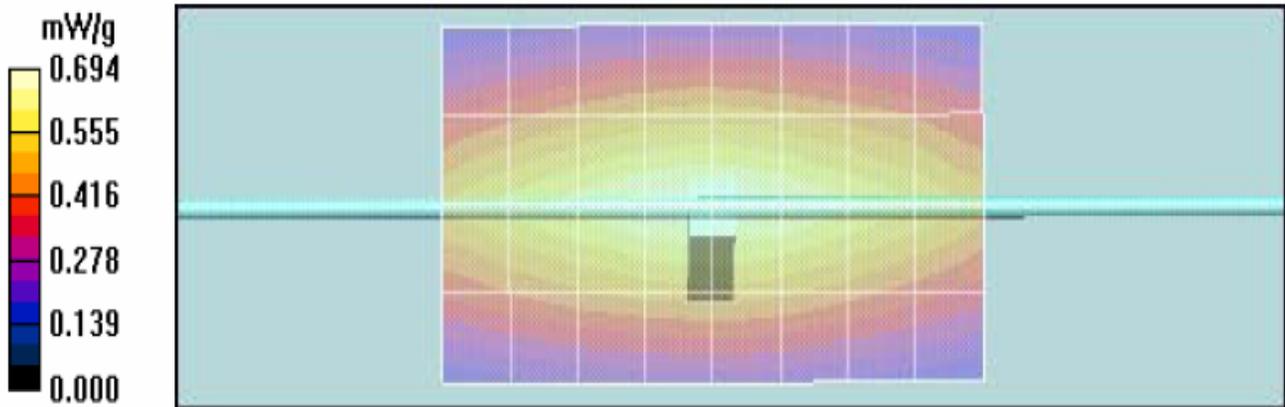
System Performance Check/90-Degree 5x5x7 Cube (5x5x7)/Cube 0: Measurement grid:

dx=7.5mm, dy=7.5mm, dz=5mm; Reference Value = 28.1 V/m; Power Drift = 0.00757 dB

Peak SAR (extrapolated) = 1.09 W/kg

SAR(1 g) = 0.662 mW/g; SAR(10 g) = 0.445 mW/g

Maximum value of SAR (measured) = 0.697 mW/g



Motorola GEMS EME Lab

SPEAG 300 MHz Dipole; Model D300V2, SN 1002; Test Date: 3/17/06

Run #: MeC-Sys Perf-300B-060317-02 Sim.Tissue Temp: 21.3 (C)

TX Freq: 300 (MHz) Start power: 250 (mW)

Target: 2.79 mW/g for 1g SAR 1.83 mW/g for 10g SAR
2.73 mW/g calculated 1g-SAR; -2.11 % from target (including drift)
1.81 mW/g calculated 10g-SAR; -1.01 % from target (including drift)

Probe: ET3DV6 - SN1393, Calibrated: 5/20/2005, ConvF(7.7, 7.7, 7.7)
Duty Cycle: 1:1, Medium: 300 MHz Body, Medium parameters used: f = 300 MHz; $\sigma = 0.9$ mho/m; $\epsilon_r = 59.1$; $\rho = 1000$ kg/m³; Electronics: DAE3 Sn363, Calibrated: 5/24/2005

System Performance Check/0-Degree 5x5x7 Cube (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm; Reference Value = 28.1 V/m; Power Drift = 0.00133 dB
Peak SAR (extrapolated) = 1.15 W/kg

SAR(1 g) = 0.682 mW/g; SAR(10 g) = 0.451 mW/g

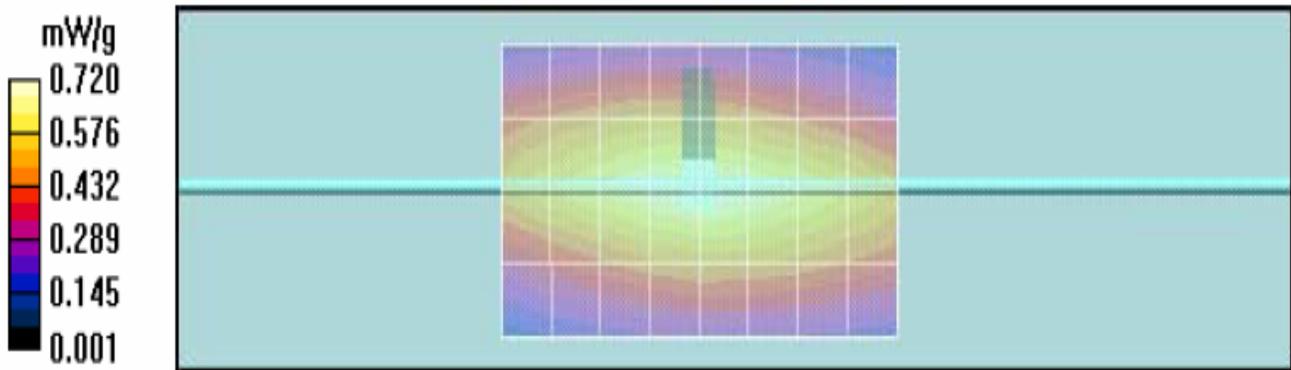
Maximum value of SAR (measured) = 0.723 mW/g

System Performance Check/90-Degree 5x5x7 Cube (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm; Reference Value = 28.1 V/m; Power Drift = 0.00133 dB

Peak SAR (extrapolated) = 1.15 W/kg

SAR(1 g) = 0.683 mW/g; SAR(10 g) = 0.454 mW/g

Maximum value of SAR (measured) = 0.717 mW/g



SYSTEM PERFORMANCE CHECK TARGET SAR

Date:	<u>7/18/2005</u>	Frequency (MHz):	<u>300</u>
Lab Location:	<u>GEMS</u>	Mixture Type:	<u>FCC Body</u>
Robot System:	<u>GEMS-2</u>	Ambient Temp.(°C):	<u>21.4</u>
Probe Serial #:	<u>1383</u>	Tissue Temp.(°C):	<u>21.6</u>
DAE Serial #:	<u>406</u>		

Tissue Characteristics

Permittivity:	<u>58.4</u>	Phantom Type/SN:	<u>80602002C</u>
Conductivity:	<u>0.92</u>	Distance (mm):	<u>15 (tissue/dipole cnt)</u>

Reference Source:	<u>300 MHz</u>	(Dipole)
Reference SN:	<u>1002</u>	

Power to Dipole: 250 mW

Measured SAR Value:	<u>0.695</u> mW/g,	<u>0.457</u> mW/g (10g avg.)
Power Drift:	<u>-0.0115</u> dB	

New Target/Measured

SAR Value:	<u>2.79</u> mW/g,	<u>1.83</u> mW/g (10g avg.)
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(normalized to 1.0 W, including drift)

Test performed by: C. Miller Initial: Signature on file

DUT: Dipole 300 MHz; Date/Time: 7/18/2005 7:29:17 PM Date/Time: 7/18/2005 7:35:22 PM Date/Time: 7/18/2005 7:24:12 PM Date/Time: 7/18/2005 7:42:20 PM

Run #: CM-SYSP-300B-050718-02 Sim.Tissue Temp: 21.6 (C)
 Robot: GEMS-2 Phantom #: 80602002C-S3
 Model #: D300V2 S/N: 1002
 TX Freq: 300 (MHz) Start power: 250 (mW)

Target:
 2.79 mW/g for 1g SAR 1.83 mW/g for 10g SAR
 2.79 mW/g calculated 1g-SAR; 0.00 % from target (including drift)
 1.83 mW/g calculated 10g-SAR; 0.00 % from target (including drift)

Probe: ET3DV6 - SN1383, Calibrated: 2/24/2005, ConvF(7.8, 7.8, 7.8)
 Duty Cycle: 1:1, Medium: 300 Body, Medium parameters used: $\sigma = 0.92$ mho/m, $\epsilon_r = 58.4$; $\rho = 1000$ kg/m³
 Electronics: DAE3 Sn406, Calibrated: 11/17/2004

System Performance Check/0-Degree 5x5x7 Cube (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 28.0 V/m; Power Drift = -0.0115 dB
 Peak SAR (extrapolated) = 1.23 W/kg
 SAR(1 g) = 0.698 mW/g; SAR(10 g) = 0.459 mW/g
 Maximum value of SAR (measured) = 0.732 mW/g

System Performance Check/90-Degree 5x5x7 Cube (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

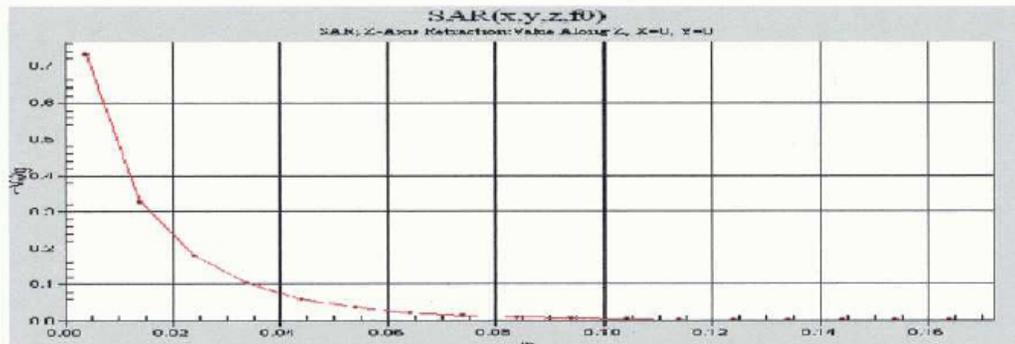
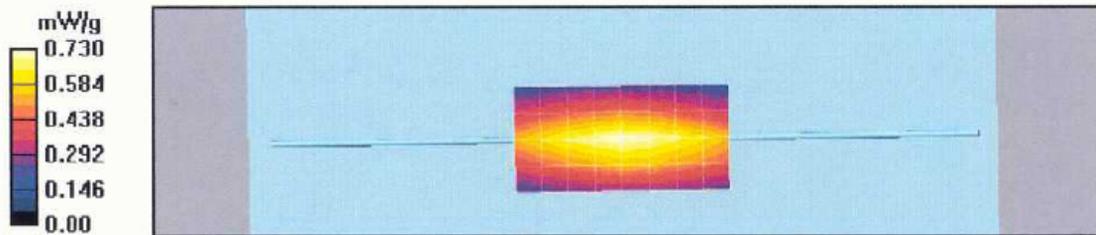
Reference Value = 28.0 V/m; Power Drift = -0.0115 dB
 Peak SAR (extrapolated) = 1.21 W/kg
 SAR(1 g) = 0.691 mW/g; SAR(10 g) = 0.455 mW/g
 Maximum value of SAR (measured) = 0.724 mW/g

System Performance Check/Dipole Area Scan (5x9x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 0.720 mW/g

System Performance Check/Dipole Area Scan (41x81x1): Measurement grid: dx=15mm, dy=15mm
 Reference Value = 28.0 V/m; Power Drift = -0.0115 dB

Motorola Fast SAR: SAR(1 g) = 0.685 mW/g; SAR(10 g) = 0.496 mW/g
 Maximum value of SAR (interpolated) = 0.725 mW/g

System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
 Maximum value of SAR (measured) = 0.730 mW/g



SYSTEM VALIDATION

Date:	<u>7/18/2005</u>	Frequency (MHz):	<u>300</u>
Lab Location:	<u>GEMS</u>	Mixture Type:	<u>IEEE Head</u>
Robot System:	<u>GEMS-2</u>	Ambient Temp.(°C):	<u>21.2</u>
Probe Serial #:	<u>1383</u>	Tissue Temp.(°C):	<u>22.1</u>
DAE Serial #:	<u>406</u>		

Tissue Characteristics

Permittivity:	<u>46.5</u>	Phantom Type/SN:	<u>80602002B</u>
Conductivity:	<u>0.88</u>	Distance (mm):	<u>15 (tissue/dipole cnt)</u>

Reference Source:	<u>300 MHz</u>	(Dipole)
Reference SN:	<u>1002</u>	

Power to Dipole:	<u>250</u>	mW
Power Output (radio)	<u>N/A</u>	mW

Target SAR Value:	<u>3</u>	mW/g,	<u>2</u>	mW/g (10g avg.)
(normalized to 1.0 W)				

Measured SAR Value:	<u>0.707</u>	mW/g,	<u>0.464</u>	mW/g (10g avg.)
Power Drift:	<u>-0.0353</u>	dB		

Measured SAR Value:	<u>2.85</u>	mW/g,	<u>1.87</u>	mW/g (10g avg.)
(normalized to 1.0 W, including drift)				

Percent Difference From Target (MUST be within System Uncertainty):	<u>5.00</u>	% (1g ave)
	<u>6.50</u>	% (10g ave)

Test performed by:	<u>C. Miller</u>	Initial:	<u>Signature on file</u>
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DUT: Dipole 300 MHz; Date/Time: 7/18/2005 4:36:32 PM Date/Time: 7/18/2005 4:42:15 PM Date/Time: 7/18/2005 4:32:19 PM Date/Time: 7/18/2005 4:48:19 PM

Run #: CM-SYSP-300H-050718-01 Sim. Tissue Temp: 22.1 (C)
 Robot: GEMS-2 Phantom #: 80602002B-S13
 Model #: D300V2 S/N: 1002
 TX Freq: 300 (MHz) Start power: 250 (mW)

Target:
 2.85 mW/g for 1g SAR 1.87 mW/g for 10g SAR
 2.85 mW/g calculated 1g-SAR; 0.00 % from target (including drift)
 1.87 mW/g calculated 10g-SAR; 0.00 % from target (including drift)

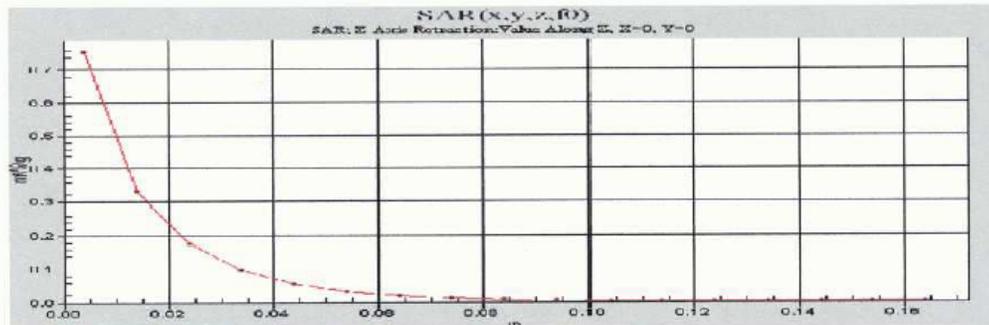
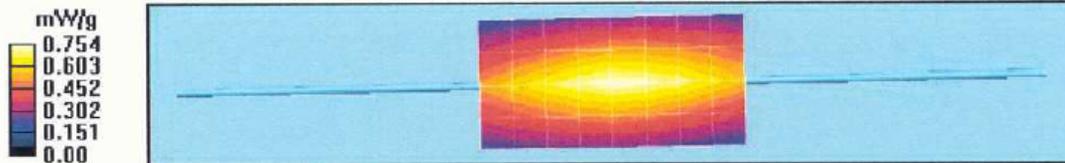
Probe: ET3DV6 - SN1383, Calibrated: 2/24/2005, ConvF(7.96, 7.96, 7.96)
 Duty Cycle: 1:1, Medium: 300 IEEE Head, Medium parameters used: $\sigma = 0.88$ mho/m, $\epsilon_r = 46.5$; $\rho = 1000$ kg/m³
 Electronics: DAE3 Sn406, Calibrated: 11/17/2004

System Performance Check/0-Degree 5x5x7 Cube (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
 Reference Value = 29.3 V/m; Power Drift = -0.0353 dB
 Peak SAR (extrapolated) = 1.23 W/kg
 SAR(1 g) = 0.711 mW/g; SAR(10 g) = 0.466 mW/g
 Maximum value of SAR (measured) = 0.749 mW/g

System Performance Check/90-Degree 5x5x7 Cube (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
 Reference Value = 29.3 V/m; Power Drift = -0.0353 dB
 Peak SAR (extrapolated) = 1.21 W/kg
 SAR(1 g) = 0.703 mW/g; SAR(10 g) = 0.461 mW/g
 Maximum value of SAR (measured) = 0.740 mW/g

System Performance Check/Dipole Area Scan (41x81x1): Measurement grid: dx=15mm, dy=15mm
 Reference Value = 29.3 V/m; Power Drift = -0.0353 dB
 Motorola Fast SAR: SAR(1 g) = 0.704 mW/g; SAR(10 g) = 0.512 mW/g
 Maximum value of SAR (interpolated) = 0.745 mW/g

System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
 Maximum value of SAR (measured) = 0.754 mW/g



Appendix E
DUT Scans (Shortened scans & Highest SAR configurations)

Shortened Scan Results

Motorola GEMS EME Laboratory

Test Date: 3/17/06

Run #: MeC-AB-060317-06 Sim. Tissue Temp: 20.9 (C)

Model #: PMUD2221A/AAH84JDJ8AA1AN SN: 0277GD0211

Antenna: PMAD4050A TX Freq: 143.025 MHz

Battery: PMNN4071A Start power: 5.41 W

Carry acc.: PMLN4741A Audio/Data acc.: PMLN4442A

Comments: Shortened Scan; carry case against the phantom

Probe: ET3DV6 - SN1393, Calibrated: 5/20/2005, ConvF(8.3, 8.3, 8.3)

Duty Cycle: 1:1, Medium: 150 MHz Body, Medium parameters used: $f = 150 \text{ MHz}$; $\sigma = 0.79 \text{ mho/m}$; $\epsilon_r = 63.2$; $\rho = 1000 \text{ kg/m}^3$; Electronics: DAE3 Sn363, Calibrated: 5/24/2005

AB template/5x5x7 Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 51.1 V/m; Power Drift = -0.444 dB

Peak SAR (extrapolated) = 10.9 W/kg

SAR(1 g) = 3.73 mW/g; SAR(10 g) = 2.04 mW/g

Maximum value of SAR (measured) = 3.55 mW/g

AB template/Area Scan (51x181x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Reference Value = 51.1 V/m; Power Drift = -0.444 dB

Motorola Fast SAR: SAR(1 g) = 3.46 mW/g; SAR(10 g) = 2.34 mW/g

Maximum value of SAR (interpolated) = 3.92 mW/g

Comments: Short Scan at the body w/ body worn accessory against phantom

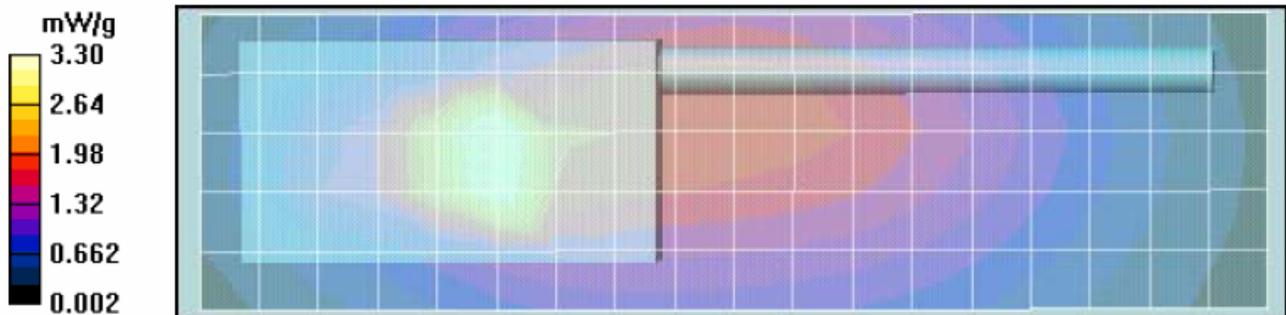
Shortened scan reflect highest SAR producing configuration at the body; Run time 8 minutes.

Representative “normal” scan run time was 30 minutes

“Shortened” scan max calculated SAR using SAR drift: 1-g Avg. = 2.10mW/g; 10-g Avg. = 1.15mW/g

“Normal” scan max calculated SAR using SAR drift: 1-g Avg. = 2.00mW/g; 10-g Avg. = 1.07mW/g

(see section 9.0 run # MeC-AB-060317-03)



Motorola GEMS EME Laboratory

Test Date: 3/12/06

Run #: MeC-FACE-060312-09 Sim. Tissue Temp: 21.3 (C)

Model #: PMUD2221A/AAH84JDJ8AA1AN SN: 0277GD0211

Antenna: PMAD4050A TX Freq: 149.975 MHz

Battery: PMNN4071A Start power: 532 W

Carry acc.: None Audio/Data acc.: None

Comments: **Shortened scan;** Unit front Antenna @ 2.5cm

Probe: ET3DV6 - SN1393, Calibrated: 5/20/2005, ConvF(8.5, 8.5, 8.5)

Duty Cycle: 1:1, Medium: 150 MHz Head, Medium parameters used: f = 150 MHz; $\sigma = 0.73$ mho/m; $\epsilon_r = 53.1$; $\rho = 1000$ kg/m³; Electronics: DAE3 Sn363, Calibrated: 5/24/2005

FACE template/5x5x7 Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm; Reference Value = 47.0 V/m; Power Drift = -0.343 dB

Peak SAR (extrapolated) = 2.90 W/kg

SAR(1 g) = 1.89 mW/g; SAR(10 g) = 1.40 mW/g

Maximum value of SAR (measured) = 1.95 mW/g

FACE template/Area Scan (61x181x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = not measured; Power Drift = -0.343 dB

Motorola Fast SAR: SAR(1 g) = 1.75 mW/g; SAR(10 g) = 1.32 mW/g

Maximum value of SAR (interpolated) = 1.83 mW/g

Comments: Short Scan at the face with 2.5cm separation

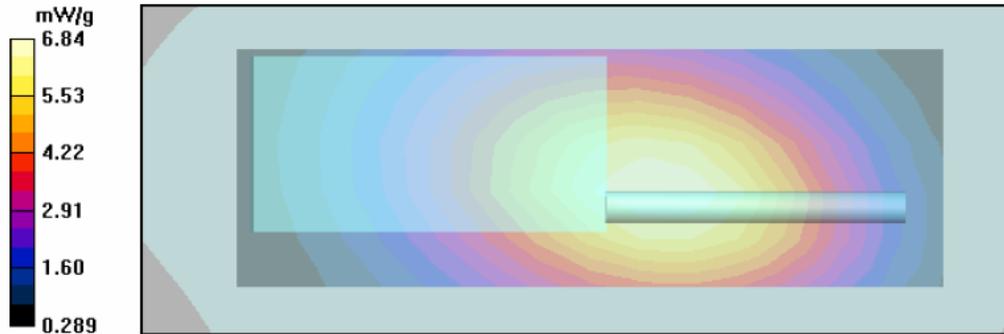
Shortened scan reflect highest SAR producing configuration at the face; Run time 13 minutes.

Representative “normal” scan run time was 33 minutes

“Shortened” scan max calculated SAR using SAR drift: 1-g Avg. = 1.06mW/g; 10-g Avg. = 0.78mW/g

“Normal” scan max calculated SAR using SAR drift: 1-g Avg. = 1.15mW/g; 10-g Avg. = 0.86mW/g

(see section 9.0 run # MeC-FACE-060312-08)



Highest SAR Configurations Results

Motorola GEMS EME Laboratory

Test Date: 3/17/06

Run #: MeC-AB-060317-03 Sim. Tissue Temp: 21.2 (C)

Model #: PMUD2221A/AAH84JDJ8AA1AN SN: 0277GD0211

Antenna: PMAD4050A TX Freq: 143.025 MHz

Battery: PMNN4071A Start power: 5.57 W

Carry acc.: PMLN4741A Audio/Data acc.: PMLN4442A

Comments: Full Scan

Probe: ET3DV6 - SN1393, Calibrated: 5/20/2005, ConvF(8.3, 8.3, 8.3)

Duty Cycle: 1:1, Medium: 150 MHz Body, Medium parameters used: $f = 150 \text{ MHz}$; $\sigma = 0.79 \text{ mho/m}$; $\epsilon_r = 63.2$; $\rho = 1000 \text{ kg/m}^3$; Electronics: DAE3 Sn363, Calibrated: 5/24/2005

AB template/7x7x7 Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 51.3 V/m; Power Drift = -0.764 dB; Peak SAR (extrapolated) = 10.2 W/kg

SAR(1 g) = 3.36 mW/g; SAR(10 g) = 1.79 mW/g

Maximum value of SAR (measured) = 3.27 mW/g

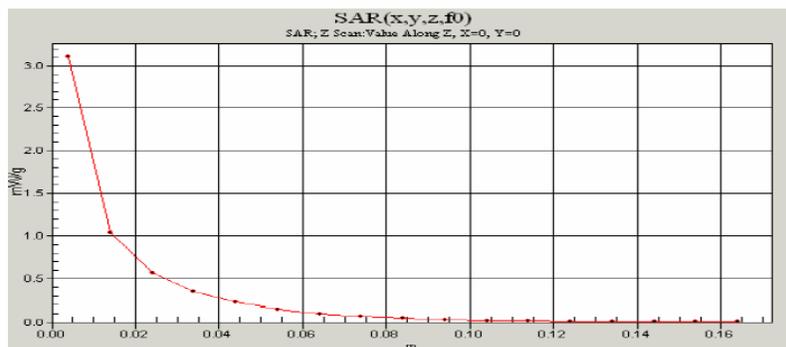
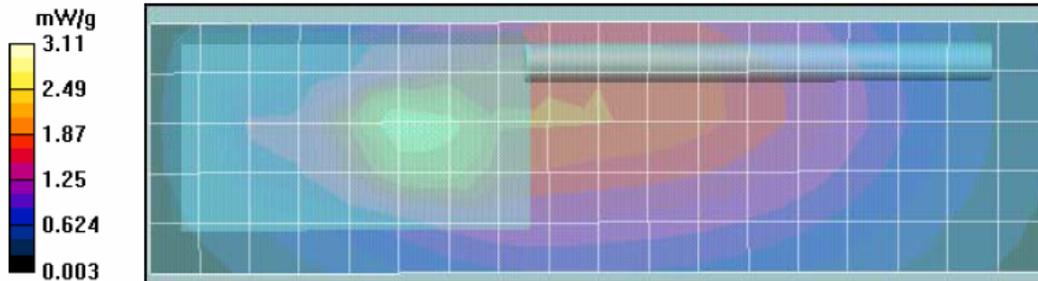
AB template/Area Scan (51x181x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Reference Value = 51.3 V/m; Power Drift = -0.764 dB

Motorola Fast SAR: SAR(1 g) = 2.82 mW/g; SAR(10 g) = 1.96 mW/g

Maximum value of SAR (interpolated) = 3.10 mW/g

AB template/Z Scan (1x1x17): Measurement



Motorola GEMS EME Laboratory

Test Date: 3/12/06

Run #: MeC-FACE-060312-08 Sim. Tissue Temp: 21.2 (C)
 Model #: PMUD2221A/AAH84JDJ8AA1AN SN: 0277GD0211

Antenna: PMAD4050A TX Freq: 149.975 MHz
 Battery: PMNN4071A Start power: 5.45 W
 Carry acc.: None Audio/Data acc.: None

Comments: Unit front Antenna @ 2.5cm
 Probe: ET3DV6 - SN1393, Calibrated: 5/20/2005, ConvF(8.3, 8.3, 8.3)
 Duty Cycle: 1:1, Medium: 150 MHz Body, Medium parameters used: $f = 150$ MHz; $\sigma = 0.79$ mho/m; $\epsilon_r = 62.7$; $\rho = 1000$ kg/m³; Electronics: DAE3 Sn363, Calibrated: 5/24/2005

Face template/7x7x7 Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 51.4 V/m; Power Drift = -0.666 dB

Peak SAR (extrapolated) = 3.31 W/kg

SAR(1 g) = 2.17 mW/g; SAR(10 g) = 1.61 mW/g

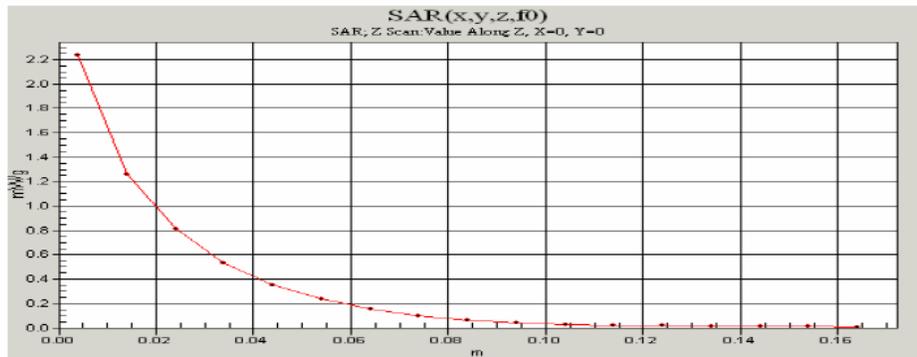
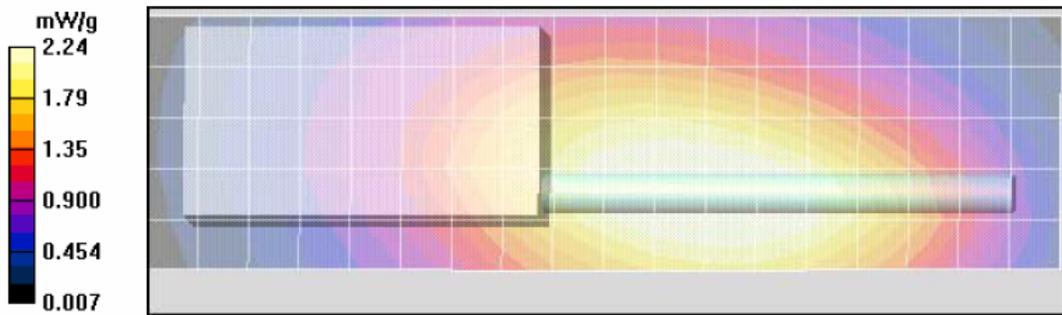
Maximum value of SAR (measured) = 2.24 mW/g

Face template/Area Scan (51x181x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 51.4 V/m; Power Drift = -0.666 dB

Motorola Fast SAR: SAR(1 g) = 2.27 mW/g; SAR(10 g) = 1.73 mW/g

Maximum value of SAR (interpolated) = 2.37 mW/g



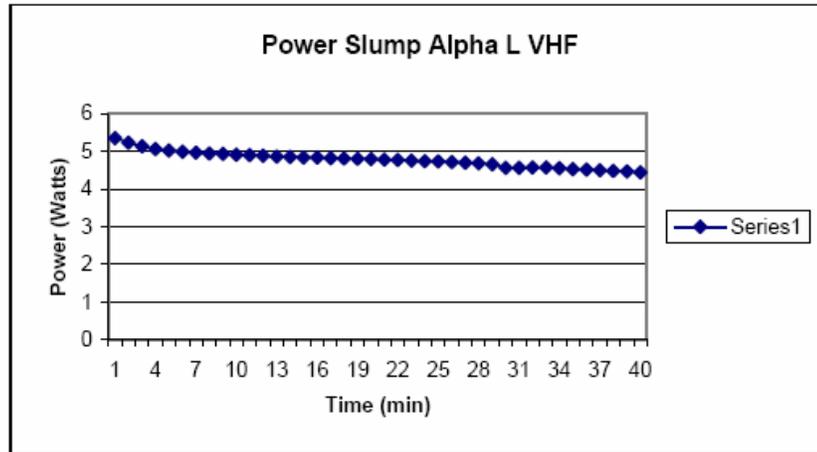
APPENDIX F
DUT Supplementary Data (Power slump)

Radio PMUD2221A/AAH84JDJ8AA1AN
 Serial # 0277GD0211
 Battery PMNN4071A
 Audio Acc PMLN4442A

Time (mins) Power(W)

Start

1	5.35
2	5.23
3	5.13
4	5.06
5	5.02
6	4.99
7	4.96
8	4.94
9	4.93
10	4.91
11	4.90
12	4.88
13	4.86
14	4.85
15	4.83
16	4.83
17	4.82
18	4.81
19	4.80
20	4.79
21	4.78
22	4.77
23	4.75
24	4.74
25	4.73
26	4.71
27	4.70
28	4.68
29	4.66
30	4.56
31	4.56
32	4.57
33	4.57
34	4.55
35	4.53
36	4.51
37	4.50
38	4.48
39	4.46
40	4.44



Appendix G DUT Test Position Photos

Figure 1: Highest SAR Test Position (Body)
DUT w/ carry case PMLN4741A against the phantom; worst case audio accessory PMLN4442A attached
(similar position used for all other body worn and audio accessories)



Figure 2: Highest SAR Test Position (face)
DUT w/ front side separated 2.5cm from the phantom

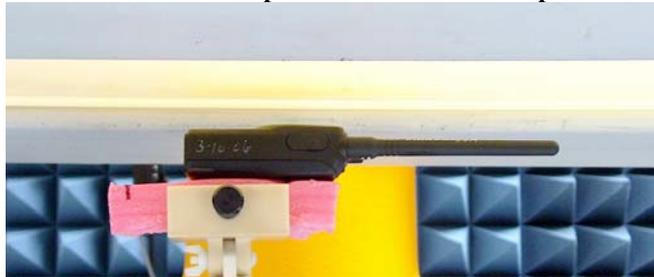


Figure 3: SAR Test Position (Body)
DUT w/ back separated 2.5cm from the phantom; w/ attached audio accessory



Figure 4: SAR Test Position (Body)
DUT w/ front separated 2.5cm from the phantom; w/ attached audio accessory



Appendix H DUT and Accessory Photos

The purpose of this appendix is to illustrate the offered body-worn carry accessory(ies). The sample that was used in the following photos represents the product used to obtain the results presented herein.



Photo 1.
Model PMLN4691A
Back View



Photo 2.
Model PMLN4691A
Side View



Photo 3.
Model PMLN4741A
Back View



Photo 4.
Model PMLN4741A
Front View



Photo 5.
Model PMLN4741A
Side View



Photo 6.
Model PMLN4742A
Back View



Photo 7.
Model PMLN4742A
Front View



Photo 8.
Model PMLN4742A
Side View



Photo 9.
Model PMLN4743A
Side View



Photo 10.
Model PMLN4743A
Back View

Appendix I DUT Body-worn Separation Distances

The following table summarizes the test status and separation distance provided by each of the applicable body-worn accessory(ies):

Carry Case Models	Tested ?	Min. Separation distances between DUT antenna and phantom surface. (mm)	Comments
PMLN4743A	Yes	31-50	NA
PMLN4742A	Yes	76-138	NA
PMLN4741A	Yes	35-49	NA
PMLN4691A	Yes	21-22	NA

Audio Acc. Models	Tested ?	Separation distances between DUT antenna and phantom surface. (mm)	Comments
PMMN4008A	Yes	NA	NA
PMLN4442A	Yes	NA	NA
PMLN4444A	Yes	NA	NA
PMLN4294C	Yes	NA	NA
PMLN4606A	Yes	NA	NA
PMLN4658A	Yes	NA	NA
PMLN4443A	No	NA	Similar to PMLN4442A
PMLN4445A	No	NA	Similar to PMLN4444A