MOTOROLA

ACCREDITED
TESTING CERT # 2518.01

FCC ID: AZ489FT7032
DECLARATION OF COMPLIANCE SAR ASSESSMENT Part 3 of 3

Government & Public Safety
EME Test Laboratory
8000 West Sunrise Blvd
Fort Lauderdale, FL. 33322

Date of Report: 05/12/2008
Report Revision: B
Report ID: UTAH_semi rugged_Rev B_080512 SR5989

Responsible Engineer:	Stephen C. Whalen (EME Principle Staff Engineer)
Date/s Tested:	03/12/08 – 03/25/08
Manufacturer/Location:	Motorola – Israel
Sector/Group/Div.:	MCIL Israel
Date submitted for test:	12/12/07
DUT Description:	VoWLAN is a VoIP phone based on WLAN 802.11a/b/g & Bluetooth
Test TX mode(s):	100% Duty Cycle (all bands)
Max. Power output:	BT 2.51mW; 802.11a(5.15-5.25GHz) 39.8mW; 802.11a(5.25-5.35GHz) 79.3mW; 802.11a(5.47-5.725GHz) 79.3mW; 802.11a(5.725-5.825 GHz) 79.3mW; 802.11b 79.3mW; 802.11g 70.8mW.
Nominal Power:	BT 1mW; 802.11a(5.15-5.25GHz) 28.2mW; 802.11a(5.25-5.35GHz) 56.2mW; 802.11a(5.47-5.725GHz) 56.2mW; 802.11a(5.725-5.825 GHz) 56.2mW; 802.11b 63mW; 802.11g 17.8mW
Tx Frequency Bands:	BT 2402-2480MHz; 802.11a 5.18-5.24GHz; 802.11a 5.26-5.32GHz ; 802.11a 5.50-5.70GHz; 802.11a 5.745-5.805GHz; 802.11b/g 2412-2462MHz
Signaling type:	Bluetooth - Frequency Hopping Spread Spectrum (FHSS); WLAN -802.11a/b/g Direct Sequence Spread Spectrum (DSSS), Orthogonal Frequency Division Multiplexing (OFDM)
Model(s) Tested:	F2978A
Model(s) Certified:	F2978A
Serial Number(s):	079SJA00HN
Classification:	General Population/Uncontrolled
Rule Part(s):	15

DUT Photo
(Refer to Exhibit 7B)

Antenna(s):
0789971V46 (2.4GHz BT PIFA single Band ¼ wave antenna, -0.2dBi);
0789971V87 (2.4GHz WLAN b/g PIFA Dual Band ¼ wave antenna, 3.0dBi);
0789971V87 (5GHz WLAN a PIFA Dual Band ¼ wave antenna, 1.0dBi)

Battery(ies):
SNN5754A (Li Ion 1480MAH - BK90)

Body worn accessory(ies):
None

Audio/Data cable accessory(ies):
NNTN5004BP (Earpiece W/Boom Mic & PTT), NNTN5005BP (Breeze Headset W/Boom Mic), NNTN5006BP (Earpiece W/Mic & PTT), NNTN5211B (Earbud W/Clip & PTT (Surveillance)), SYN1301B (EMU Stereo Headset), NNTN5774C (Stereo Headset W/Tamper proof), SYN0896B (Headset EMU MONO), NNTN5689A (Earpiece W/Mic), SKN6222A (Data Cable EMU & EMU Y-CABLE), SKN6371C (Data Cable MINI USB TO USB)

Max. Calc. : 1-g Avg. SAR: 1.29 W/kg (Body); 10-g Avg. SAR: 0.47 W/kg (Body)
Max. Calc. : 1-g Avg. SAR: 0.11 W/kg (Face); 10-g Avg. SAR: 0.05 W/kg (Face)
Max. Calc. : 1-g Avg. SAR: 0.80 W/kg (Head); 10-g Avg. SAR: 0.31 W/kg (Head)

Signature on file
Deanna Zakharia G&PS EME Lab Senior Resource Manager, Laboratory Director,
Approval Date: 05/14/2008

Certification Date: 04/09/2008

Certification No.: L1080401P

Appendix D
Test System Verification Scans

Dipole validation scans at the head from SPEAG are provided in APPENDIX C. G&PS' EME lab validates its' dipole(s) to the applicable IEEE system performance targets. A system validation was performed using FCC body tissue parameters to generate the system performance target values for body at the applicable frequency. Dipoles are assessed using multiple probes and measurements were performed using the isotropic assessment procedure mentioned below.
To assess the isotropic characteristics of the measurement probe, two system performance zoom scans (0 and 90 degrees) were measured. The measured results were averaged together in order to obtain the final calculated 1 gram results.
The results obtained from each probe were then averaged together to determine the new measured SAR target.

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Date/Time: 3/12/2008 2:35:06 PM

Robot# / Run#: DASY4-FL-1/ ErC SYSP 5200H 080312-01
Phantom# / Tissue Temp.: SAMTP1022 / 20.2 (C)
Dipole Model# / Serial#: D5200V2 / 1010
TX Freq. / Start power: 5200 (MHz) / 100 (mW)

Target: 83.68 mW/g (1g)
Calculated: 79.36 mW/g (1g)
Percent from Target (+/-): 5.2 % (1g)

Note:
Prior to recording the calculated 1g SAR, the measured 1g SAR value needs to be adjusted/corrected in accordance with FCD-1749 if the test frequency is between 3-6 GHz.

Comments:

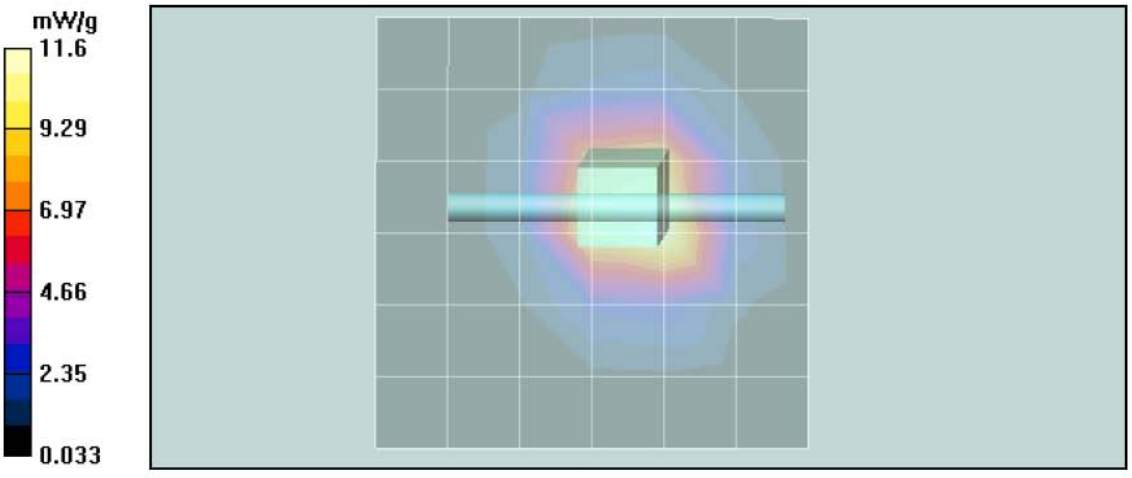
Probe: EX3DV3 - SN3527, Calibrated: 5/17/2007, ConvF(5.27, 5.27, 5.27)
Electronics: DAE3 Sn363, Calibrated: 4/24/2007
Duty Cycle: 1:1, Medium parameters used: f = 5200 MHz; σ = 4.63 mho/m; ε_r = 34.9; ρ = 1000 kg/m^3

System Performance Check/0-Degree 8x8x8 Cube (8x8x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 59.5 V/m; Power Drift = -0.141 dB
Peak SAR (extrapolated) = 32.7 W/kg
SAR(1 g) = 8.21 mW/g; SAR(10 g) = 2.33 mW/g
Maximum value of SAR (measured) = 14.6 mW/g

System Performance Check/90-Degree 8x8x8 Cube (8x8x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 59.5 V/m; Power Drift = -0.141 dB
Peak SAR (extrapolated) = 31.2 W/kg
SAR(1 g) = 7.76 mW/g; SAR(10 g) = 2.19 mW/g
Maximum value of SAR (measured) = 13.8 mW/g

System Performance Check/Dipole Area Scan (7x7x1): Measurement grid: dx=9mm, dy=9mm
Maximum value of SAR (measured) = 11.6 mW/g

System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 15.6 mW/g



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Date/Time: 3/13/2008 6:34:21 AM

Robot# / Run#: DASY4-FL-1/ ErC SYSP 5200B 080313-01
Phantom# / Tissue Temp.: 40302002B-S12 / 21.2 (C)
Dipole Model# / Serial#: D5200V2 / 1010
TX Freq. / Start power: 5200 (MHz) / 100 (mW)

Target: 76.84 mW/g (1g)
Calculated: 70.98 mW/g (1g)
Percent from Target (+/-): 7.6 % (1g)

Note:
Prior to recording the calculated 1g SAR, the measured 1g SAR value needs to be adjusted/corrected in accordance with FCD-1749 if the test frequency is between 3-6 GHz.

Comments:

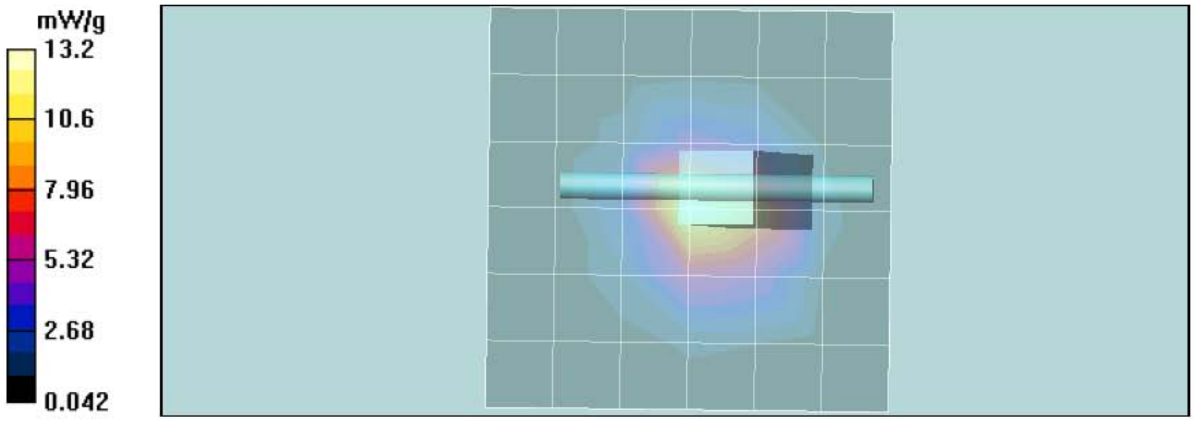
Probe: EX3DV3 - SN3527, Calibrated: 5/17/2007, ConvF(4.59, 4.59, 4.59)
Electronics: DAE3 Sn363, Calibrated: 4/24/2007
Duty Cycle: 1:1, Medium parameters used: f = 5200 MHz; σ = 5.32 mho/m; ε_r = 45; ρ = 1000 kg/m^3

System Performance Check/0-Degree 8x8x8 Cube (8x8x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 50.0 V/m; Power Drift = -0.273 dB
Peak SAR (extrapolated) = 29.2 W/kg
SAR(1 g) = 7.52 mW/g; SAR(10 g) = 2.13 mW/g
Maximum value of SAR (measured) = 13.2 mW/g

System Performance Check/90-Degree 8x8x8 Cube (8x8x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 50.0 V/m; Power Drift = -0.273 dB
Peak SAR (extrapolated) = 27.6 W/kg
SAR(1 g) = 7.08 mW/g; SAR(10 g) = 2 mW/g
Maximum value of SAR (measured) = 12.6 mW/g

System Performance Check/Dipole Area Scan (7x7x1): Measurement grid: dx=9mm, dy=9mm

System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 14.1 mW/g



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Date/Time: 3/14/2008 10:59:28 AM

Robot# / Run#: DASY4-FL-1/ JsT-SYSP-5200B-080314-02
Phantom# / Tissue Temp.: 40302002B-S12 / 21.7 (C)
Dipole Model# / Serial#: D5GHzV2 / 1010
TX Freq. / Start power: 5200 (MHz) / 100 (mW)

Target:	76.84 mW/g	(1g)
Calculated:	71.84 mW/g	(1g)
Percent from Target (+/-):	6.5 %	(1g)

Note:
Prior to recording the calculated 1g SAR, the measured 1g SAR value needs to be adjusted/corrected in accordance with FCD-1749 if the test frequency is between 3-6 GHz.

Comments:

Probe: EX3DV3 - SN3527, Calibrated: 5/17/2007, ConvF(4.59, 4.59, 4.59)
Electronics: DAE3 Sn363, Calibrated: 4/24/2007

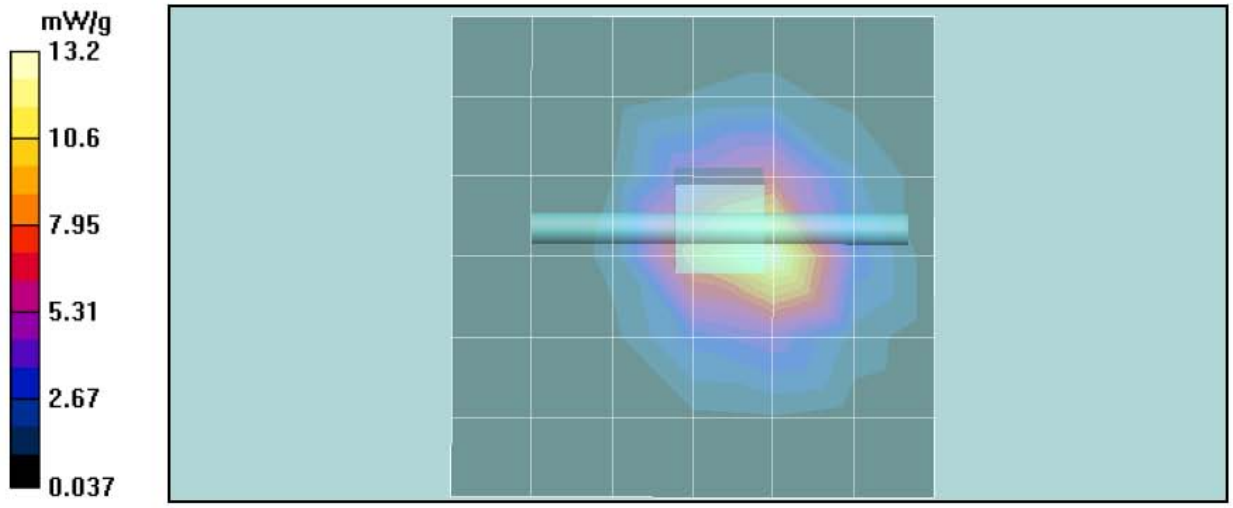
Duty Cycle: 1:1, Medium parameters used: f = 5200 MHz; σ = 5.25 mho/m; ε_r = 45.2; ρ = 1000 kg/m^3

System Performance Check/0-Degree 8x8x8 Cube (8x8x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 50.0 V/m; Power Drift = -0.101 dB
Peak SAR (extrapolated) = 30.6 W/kg
SAR(1 g) = 7.65 mW/g; SAR(10 g) = 2.19 mW/g
Maximum value of SAR (measured) = 14.0 mW/g

System Performance Check/90-Degree 8x8x8 Cube (8x8x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 50.0 V/m; Power Drift = -0.101 dB
Peak SAR (extrapolated) = 27.8 W/kg
SAR(1 g) = 7.08 mW/g; SAR(10 g) = 2.05 mW/g
Maximum value of SAR (measured) = 12.7 mW/g

System Performance Check/Dipole Area Scan (7x7x1): Measurement grid: dx=9mm, dy=9mm
Maximum value of SAR (measured) = 13.2 mW/g

System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 14.6 mW/g



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Date/Time: 3/14/2008 11:40:42 PM

Robot# / Run#: DASY4-FL-1/ MeC-SYSP-5200B-080315-01
Phantom# / Tissue Temp.: 40302002B-S12 / 21.2 (C)
Dipole Model# / Serial#: D5GHzV2 / 1010
TX Freq. / Start power: 5200 (MHz) / 100 (mW)

Target: 76.84 mW/g (1g)
Calculated: 79.28 mW/g (1g)
Percent from Target (+/-): 3.2 % (1g)
Note: Prior to recording the calculated 1g SAR, the measured 1g SAR value needs to be adjusted/corrected in accordance with FCD-1749 if the test frequency is between 3-6 GHz.

Comments:
Probe: EX3DV3 - SN3527, Calibrated: 5/17/2007, ConvF(4.59, 4.59, 4.59)
Electronics: DAE3 Sn363, Calibrated: 4/24/2007

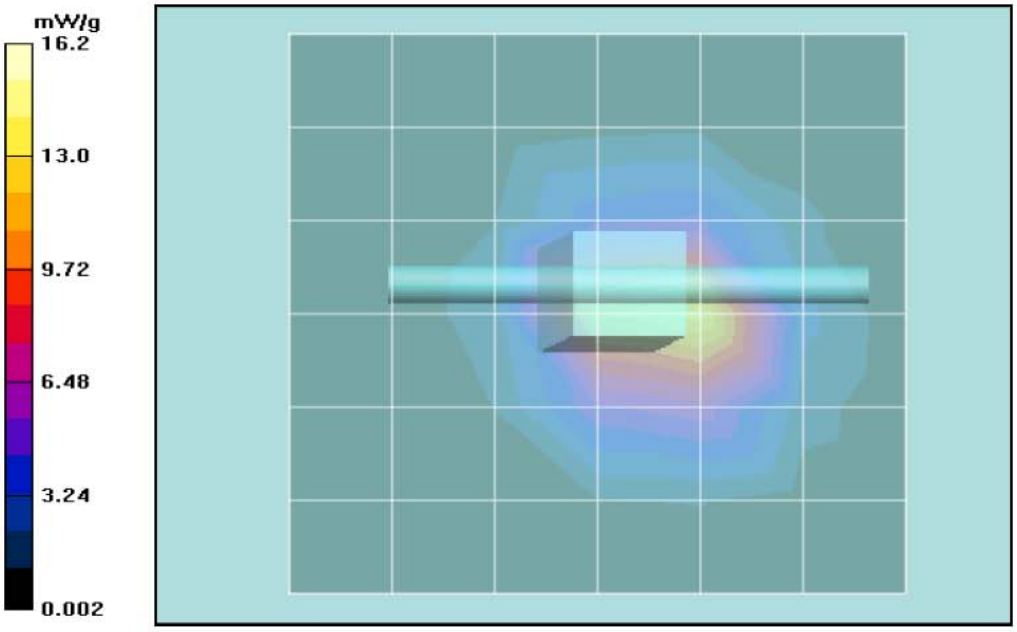
Duty Cycle: 1:1, Medium parameters used: f = 5200 MHz; σ = 5.23 mho/m; ε_r = 44.9; ρ = 1000 kg/m^3

System Performance Check/0-Degree 8x8x8 Cube (8x8x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 52.0 V/m; Power Drift = -0.180 dB
Peak SAR (extrapolated) = 33.3 W/kg
SAR(1 g) = 8.44 mW/g; SAR(10 g) = 2.39 mW/g
Maximum value of SAR (measured) = 14.8 mW/g

System Performance Check/90-Degree 8x8x8 Cube (8x8x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 52.0 V/m; Power Drift = -0.180 dB
Peak SAR (extrapolated) = 30.7 W/kg
SAR(1 g) = 7.84 mW/g; SAR(10 g) = 2.23 mW/g
Maximum value of SAR (measured) = 14.1 mW/g

System Performance Check/Dipole Area Scan (61x61x1): Measurement grid: dx=9mm, dy=9mm
Reference Value = 52.0 V/m; Power Drift = -0.180 dB
Motorola Fast SAR: SAR(1 g) = 20 mW/g; SAR(10 g) = 30.5 mW/g
Maximum value of SAR (interpolated) = 17.4 mW/g

System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 16.2 mW/g



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Date/Time: 3/17/2008 6:04:10 AM

Robot# / Run#: DASY4-FL-1/ ErC SYSP 5200B 080317-01
Phantom# / Tissue Temp.: 40302002B-S12 / 21.2 (C)
Dipole Model# / Serial#: D5200V2 / 1010
TX Freq. / Start power: 5200 (MHz) / 100 (mW)

Target: 76.84 mW/g (1g)
Calculated: 78.79 mW/g (1g)
Percent from Target (+/-): 2.5 % (1g)

Note:
Prior to recording the calculated 1g SAR, the measured 1g SAR value needs to be adjusted/corrected in accordance with FCD-1749 if the test frequency is between 3-6 GHz.

Comments:

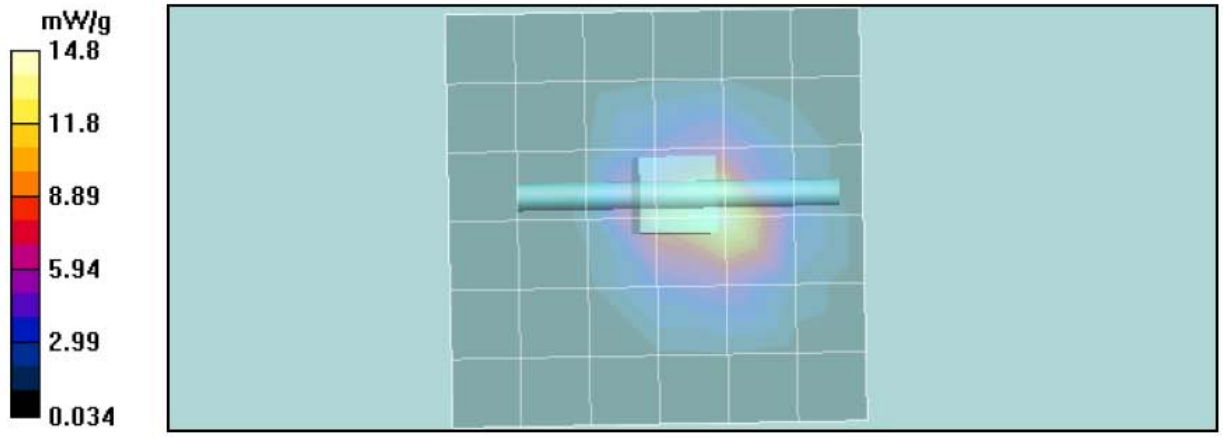
Probe: EX3DV3 - SN3527, Calibrated: 5/17/2007, ConvF(4.59, 4.59, 4.59)
Electronics: DAE3 Sn363, Calibrated: 4/24/2007
Duty Cycle: 1:1, Medium parameters used: f = 5200 MHz; σ = 5.26 mho/m; ε_r = 45.2; ρ = 1000 kg/m^3

System Performance Check/0-Degree 8x8x8 Cube (8x8x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 51.2 V/m; Power Drift = -0.135 dB
Peak SAR (extrapolated) = 32.4 W/kg
SAR(1 g) = 8.35 mW/g; SAR(10 g) = 2.35 mW/g
Maximum value of SAR (measured) = 14.9 mW/g

System Performance Check/90-Degree 8x8x8 Cube (8x8x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 51.2 V/m; Power Drift = -0.135 dB
Peak SAR (extrapolated) = 30.8 W/kg
SAR(1 g) = 7.81 mW/g; SAR(10 g) = 2.19 mW/g
Maximum value of SAR (measured) = 14.4 mW/g

System Performance Check/Dipole Area Scan (7x7x1): Measurement grid: dx=9mm, dy=9mm
Maximum value of SAR (measured) = 14.8 mW/g

System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 15.9 mW/g



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Date/Time: 3/18/2008 6:26:56 AM

Robot# / Run#: DASY4-FL-1/ ErC SYSP 5200H 080318-01
Phantom# / Tissue Temp.: SAMTP1022 / 20.9 (C)
Dipole Model# / Serial#: D5200V2 / 1010
TX Freq. / Start power: 5200 (MHz) / 100 (mW)

Target: 83.68 mW/g (1g)
Calculated: 83.28 mW/g (1g)
Percent from Target (+/-): 0.5 % (1g)

Note:
Prior to recording the calculated 1g SAR, the measured 1g SAR value needs to be adjusted/corrected in accordance with FCD-1749 if the test frequency is between 3-6 GHz.

Comments:

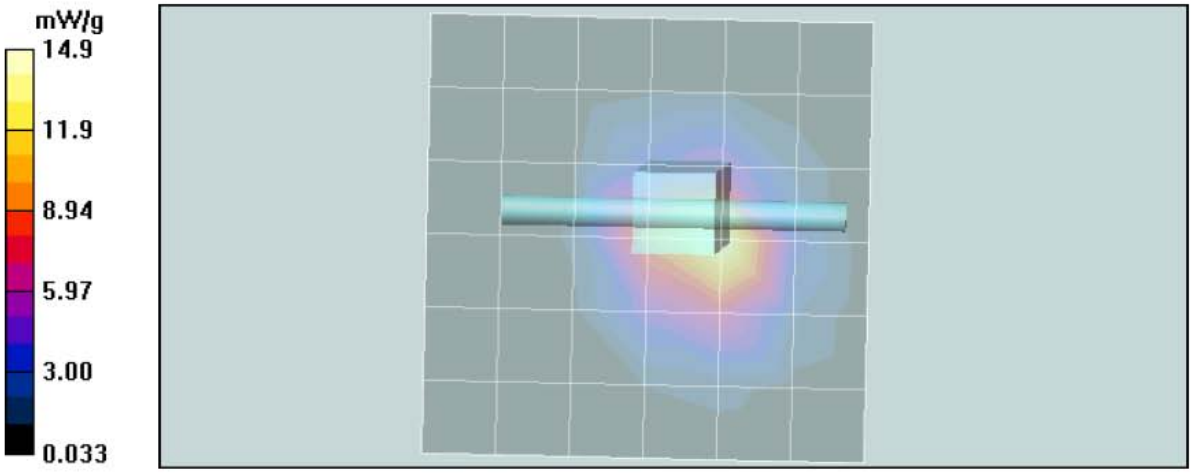
Probe: EX3DV3 - SN3527, Calibrated: 5/17/2007, ConvF(5.27, 5.27, 5.27)
Electronics: DAE3 Sn363, Calibrated: 4/24/2007
Duty Cycle: 1:1, Medium parameters used: f = 5200 MHz; σ = 4.52 mho/m; ε_r = 34.9; ρ = 1000 kg/m^3

System Performance Check/0-Degree 8x8x8 Cube (8x8x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 52.6 V/m; Power Drift = 0.157 dB
Peak SAR (extrapolated) = 34.0 W/kg
SAR(1 g) = 8.58 mW/g; SAR(10 g) = 2.44 mW/g
Maximum value of SAR (measured) = 15.4 mW/g

System Performance Check/90-Degree 8x8x8 Cube (8x8x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 52.6 V/m; Power Drift = 0.157 dB
Peak SAR (extrapolated) = 33.0 W/kg
SAR(1 g) = 8.19 mW/g; SAR(10 g) = 2.33 mW/g
Maximum value of SAR (measured) = 14.9 mW/g

System Performance Check/Dipole Area Scan (7x7x1): Measurement grid: dx=9mm, dy=9mm

System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 16.6 mW/g



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Date/Time: 3/19/2008 6:10:01 AM

Robot# / Run#: DASY4-FL-1/ ErC SYSP 5200H 080319-01
Phantom# / Tissue Temp.: SAMTP1022 / 20.9 (C)
Dipole Model# / Serial#: D5200V2 / 1010
TX Freq. / Start power: 5200 (MHz) / 100 (mW)

Target: 83.68 mW/g (1g)
Calculated: 84.90 mW/g (1g)
Percent from Target (+/-): 1.5 % (1g)

Note:
Prior to recording the calculated 1g SAR, the measured 1g SAR value needs to be adjusted/corrected in accordance with FCD-1749 if the test frequency is between 3-6 GHz.

Comments:

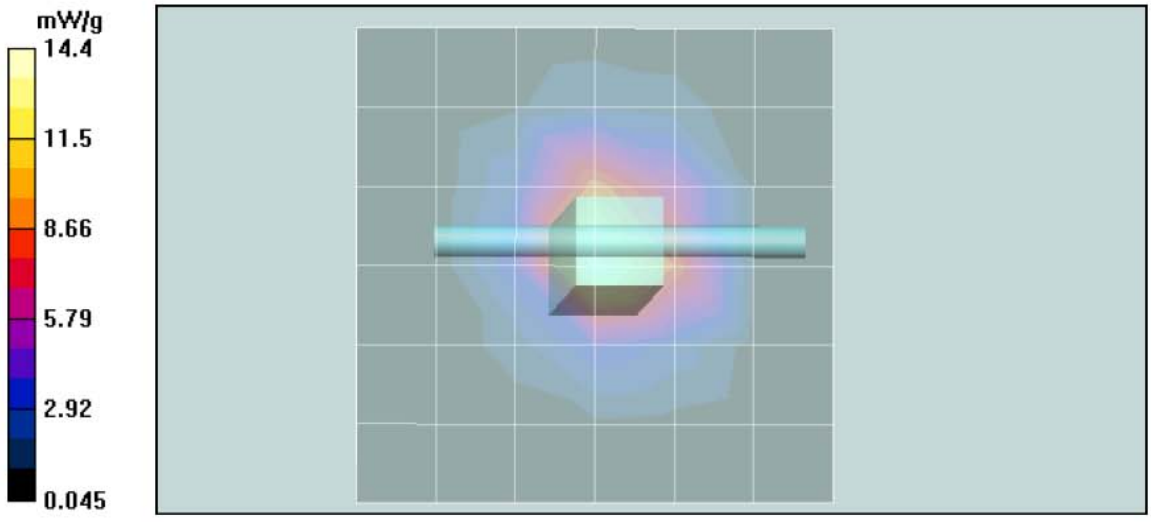
Probe: EX3DV3 - SN3527, Calibrated: 5/17/2007, ConvF(5.27, 5.27, 5.27)
Electronics: DAE3 Sn363, Calibrated: 4/24/2007
Duty Cycle: 1:1, Medium parameters used: f = 5200 MHz; σ = 4.63 mho/m; ε_r = 35.7; ρ = 1000 kg/m^3

System Performance Check/0-Degree 8x8x8 Cube (8x8x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 62.3 V/m; Power Drift = -0.015 dB
Peak SAR (extrapolated) = 34.5 W/kg
SAR(1 g) = 8.75 mW/g; SAR(10 g) = 2.49 mW/g
Maximum value of SAR (measured) = 15.6 mW/g

System Performance Check/90-Degree 8x8x8 Cube (8x8x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 62.3 V/m; Power Drift = -0.015 dB
Peak SAR (extrapolated) = 32.3 W/kg
SAR(1 g) = 8.26 mW/g; SAR(10 g) = 2.35 mW/g
Maximum value of SAR (measured) = 14.6 mW/g

System Performance Check/Dipole Area Scan (7x7x1): Measurement grid: dx=9mm, dy=9mm
Maximum value of SAR (measured) = 14.4 mW/g

System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 16.7 mW/g



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Date/Time: 3/19/2008 8:49:03 PM

Robot# / Run#: DASY4-FL-1 / MeC-SYSP-2450H-080319-14
Phantom# / Tissue Temp.: SAMTP1234 / 21.1 (C)
Dipole Model# / Serial#: D2450V2 / 704
TX Freq. / Start power: 2450 (MHz) / 250 (mW)

Target: 54.77 mW/g (1g)
Calculated: 55.60 mW/g (1g)
Percent from Target (+/-): 1.5 % (1g)

Probe: ET3DV6R - SN1545, Calibrated: 8/28/2007, ConvF(4.32, 4.32, 4.32)
Electronics: DAE3 Sn363, Calibrated: 4/24/2007

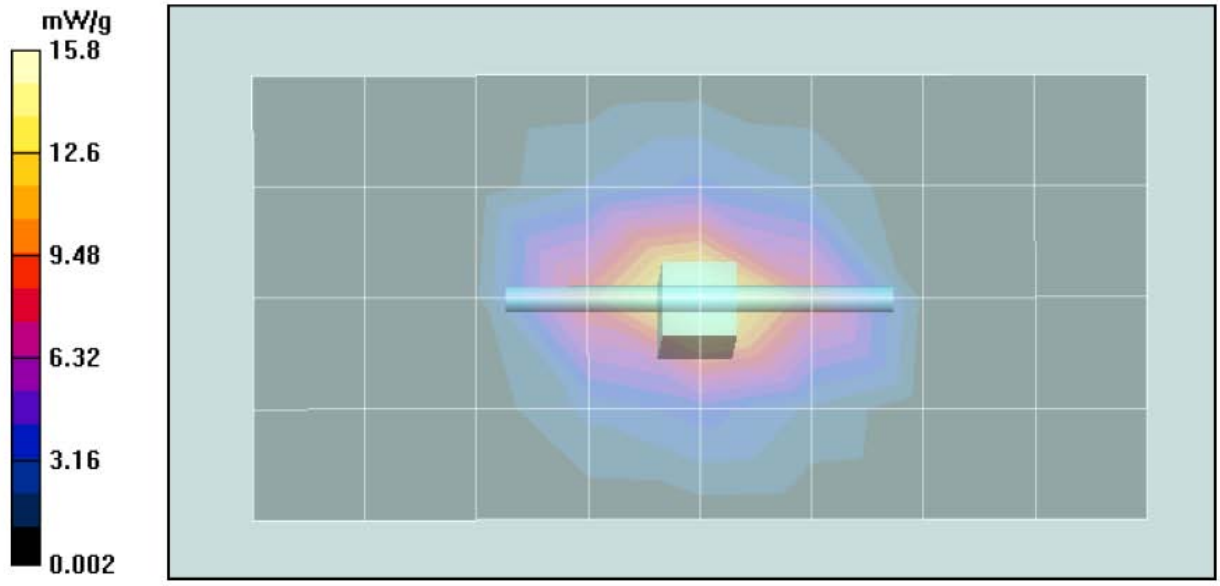
Duty Cycle: 1:1, Medium parameters used: f = 2450 MHz; σ = 1.85 mho/m; ε_r = 38.8; ρ = 1000 kg/m^3

System Performance Check/0-Degree 5x5x7 Cube (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 96.3 V/m; Power Drift = -0.00837 dB
Peak SAR (extrapolated) = 31.2 W/kg
SAR(1 g) = 14 mW/g; SAR(10 g) = 6.43 mW/g
Maximum value of SAR (measured) = 15.5 mW/g

System Performance Check/90-Degree 5x5x7 Cube (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 96.3 V/m; Power Drift = -0.00837 dB
Peak SAR (extrapolated) = 30.7 W/kg
SAR(1 g) = 13.8 mW/g; SAR(10 g) = 6.34 mW/g
Maximum value of SAR (measured) = 15.0 mW/g

System Performance Check/Dipole Area Scan (41x81x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 96.3 V/m; Power Drift = -0.00837 dB
Motorola Fast SAR: SAR(1 g) = 13.6 mW/g; SAR(10 g) = 5.95 mW/g
Maximum value of SAR (interpolated) = 15.6 mW/g

System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 15.8 mW/g



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Date/Time: 3/20/2008 6:46:57 AM

Robot# / Run#: DASY4-FL-1 / ErC-SYSP-2450H-080320-01
Phantom# / Tissue Temp.: SAMTP1234 / 20.9 (C)
Dipole Model# / Serial#: D2450V2 / 704
TX Freq. / Start power: 2450 (MHz) / 250 (mW)

Target: 54.77 mW/g (1g)
Calculated: 55.20 mW/g (1g)
Percent from Target (+/-): 0.8 % (1g)

Probe: ET3DV6R - SN1545, Calibrated: 8/28/2007, ConvF(4.32, 4.32, 4.32)
Electronics: DAE3 Sn363, Calibrated: 4/24/2007

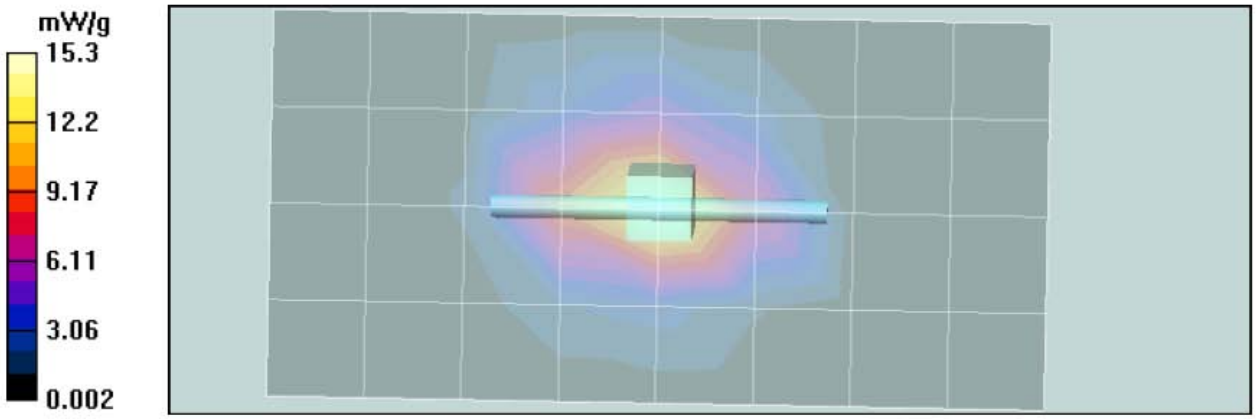
Duty Cycle: 1:1, Medium parameters used: f = 2450 MHz; σ = 1.87 mho/m; ε_r = 39.2; ρ = 1000 kg/m^3

System Performance Check/0-Degree 5x5x7 Cube (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 94.4 V/m; Power Drift = -0.00369 dB
Peak SAR (extrapolated) = 31.7 W/kg
SAR(1 g) = 14 mW/g; SAR(10 g) = 6.41 mW/g
Maximum value of SAR (measured) = 15.3 mW/g

System Performance Check/90-Degree 5x5x7 Cube (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 94.4 V/m; Power Drift = -0.00369 dB
Peak SAR (extrapolated) = 30.2 W/kg
SAR(1 g) = 13.6 mW/g; SAR(10 g) = 6.25 mW/g
Warning: Maximum averaged SAR over 10 g is located on the boundary of the measurement cube. This cube might not incorporate the absolute averaged SAR. Please consider a refinement of the Area Scan measurement.
Maximum value of SAR (measured) = 14.8 mW/g

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

System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 15.7 mW/g



Motorola Government & Public Safety EME Laboratory

Date/Time: 3/21/2008 6:28:31 AM

Robot# / Run#: DASY4-FL-1 / ErC-SYSP-2450B-080321-01
Phantom# / Tissue Temp.: 40302002A-S11 / 20.9 (C)
Dipole Model# / Serial#: D2450V2 / 704
TX Freq. / Start power: 2450 (MHz) / 250 (mW)

Target: 53.74 mW/g (1g)
Calculated: 53.60 mW/g (1g)
Percent from Target (+/-): 0.3 % (1g)

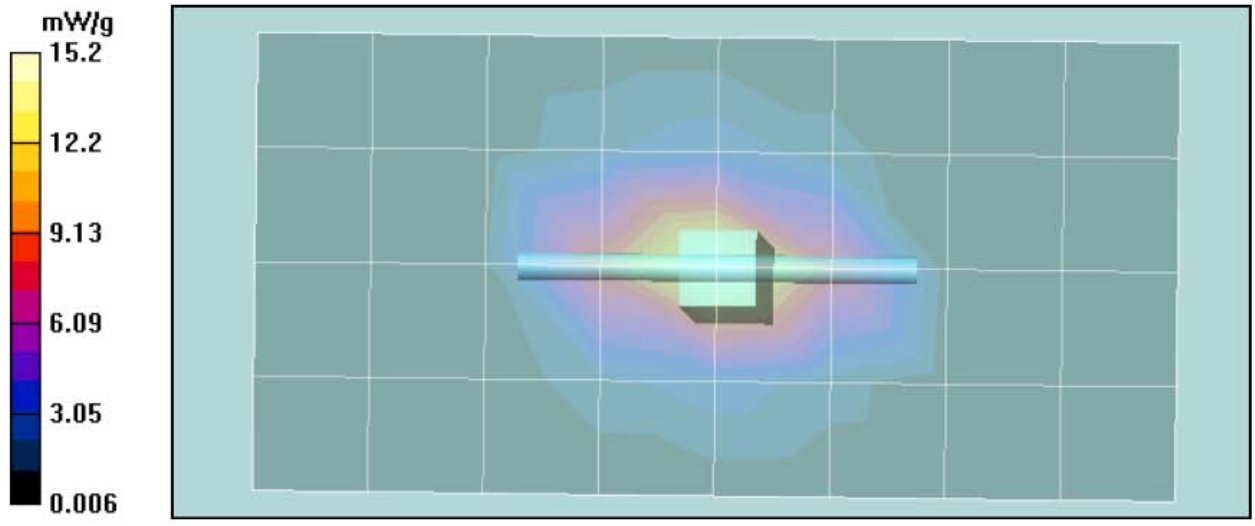
Probe: ET3DV6R - SN1545, Calibrated: 8/28/2007, ConvF(3.73, 3.73, 3.73)
Electronics: DAE3 Sn363, Calibrated: 4/24/2007
Duty Cycle: 1:1, Medium parameters used: f = 2450 MHz; σ = 1.95 mho/m; ε_r = 52.2; ρ = 1000 kg/m^3

System Performance Check/0-Degree 5x5x7 Cube (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 92.3 V/m; Power Drift = 0.00199 dB
Peak SAR (extrapolated) = 30.7 W/kg
SAR(1 g) = 13.6 mW/g; SAR(10 g) = 6.27 mW/g
Maximum value of SAR (measured) = 14.9 mW/g

System Performance Check/90-Degree 5x5x7 Cube (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 92.3 V/m; Power Drift = 0.00199 dB
Peak SAR (extrapolated) = 29.6 W/kg
SAR(1 g) = 13.2 mW/g; SAR(10 g) = 6.03 mW/g
Warning: Maximum averaged SAR over 10 g is located on the boundary of the measurement cube. This cube might not incorporate the absolute averaged SAR. Please consider a refinement of the Area Scan measurement.
Maximum value of SAR (measured) = 14.8 mW/g

System Performance Check/Dipole Area Scan (5x9x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 15.2 mW/g

System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm



Motorola Government & Public Safety EME Laboratory

Date/Time: 3/24/2008 9:23:20 AM

Robot# / Run#: DASY4-FL-1 / JsT-SYSP-2450H-080324-01
Phantom# / Tissue Temp.: SAMTP1234 / 19.7 (C)
Dipole Model# / Serial#: D2450V2 / 704
TX Freq. / Start power: 2450 (MHz) / 250 (mW)

Target:	54.77 mW/g	(1g)
Calculated:	54.40 mW/g	(1g)
Percent from Target (+/-):	0.7 %	(1g)

Probe: ET3DV6R - SN1545, Calibrated: 8/28/2007, ConvF(4.32, 4.32, 4.32)
Electronics: DAE3 Sn363, Calibrated: 4/24/2007

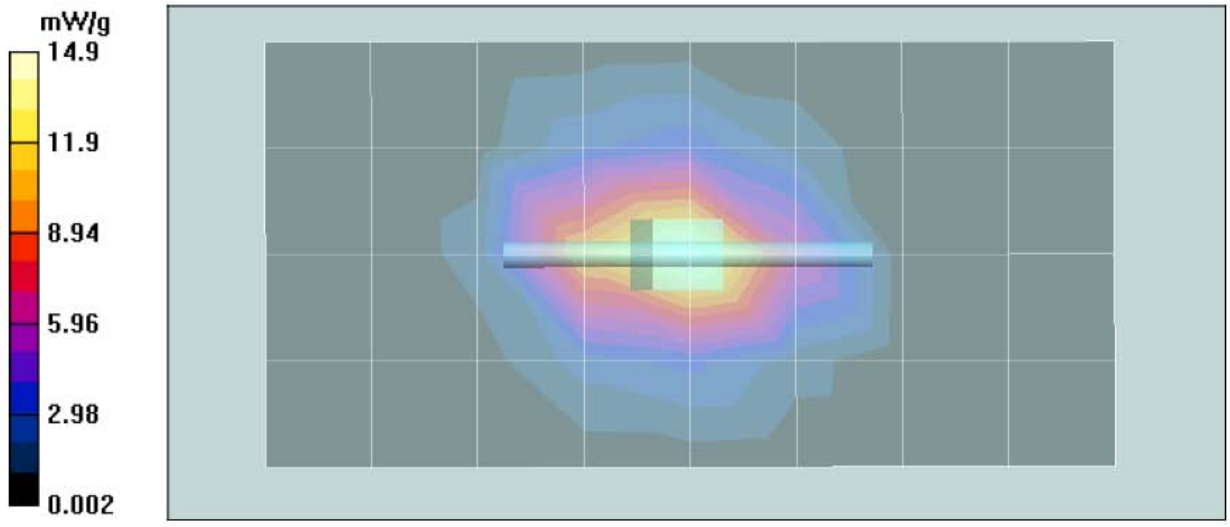
Duty Cycle: 1:1, Medium parameters used: f = 2450 MHz; σ = 1.88 mho/m; ε_r = 38.7; ρ = 1000 kg/m^3

System Performance Check/0-Degree 5x5x7 Cube (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 93.6 V/m; Power Drift = -0.0201 dB
Peak SAR (extrapolated) = 31.2 W/kg
SAR(1 g) = 13.8 mW/g; SAR(10 g) = 6.26 mW/g
Maximum value of SAR (measured) = 15.0 mW/g

System Performance Check/90-Degree 5x5x7 Cube (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 93.6 V/m; Power Drift = -0.0201 dB
Peak SAR (extrapolated) = 30.4 W/kg
SAR(1 g) = 13.4 mW/g; SAR(10 g) = 6.13 mW/g
Maximum value of SAR (measured) = 14.5 mW/g

System Performance Check/Dipole Area Scan (5x9x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 14.9 mW/g

System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 15.1 mW/g



Motorola Government & Public Safety EME Laboratory

Date/Time: 3/25/2008 12:23:30 PM

Robot# / Run#: DASY4-FL-1/ HvH-SYSP-5200H-080325-01
Phantom# / Tissue Temp.: SAMTP1022 / 21.9 (C)
Dipole Model# / Serial#: D5200V2 / 1010
TX Freq. / Start power: 5200 (MHz) / 100 (mW)

Target: 83.68 mW/g (1g)
Calculated: 83.82 mW/g (1g)
Percent from Target (+/-): 0.2 % (1g)
Note:
Prior to recording the calculated 1g SAR, the measured 1g SAR value needs to be adjusted/corrected in accordance with FCD-1749 if the test frequency is between 3-6 GHz.
Comments:
Probe: EX3DV3 - SN3527, Calibrated: 5/17/2007, ConvF(5.27, 5.27, 5.27)
Electronics: DAE3 Sn363, Calibrated: 4/24/2007

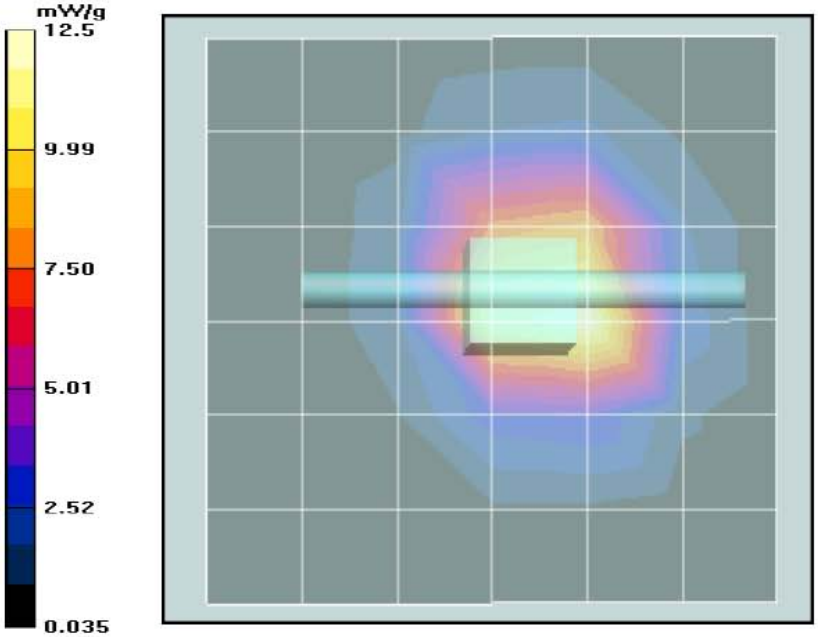
Duty Cycle: 1:1, Medium parameters used: f = 5200 MHz; σ = 4.48 mho/m; ε_r = 34.5; ρ = 1000 kg/m^3

System Performance Check/0-Degree 8x8x8 Cube (8x8x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 62.5 V/m; Power Drift = -0.0951 dB
Peak SAR (extrapolated) = 35.0 W/kg
SAR(1 g) = 8.79 mW/g; SAR(10 g) = 2.49 mW/g
Maximum value of SAR (measured) = 15.5 mW/g

System Performance Check/90-Degree 8x8x8 Cube (8x8x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 62.5 V/m; Power Drift = -0.0951 dB
Peak SAR (extrapolated) = 32.2 W/kg
SAR(1 g) = 8.13 mW/g; SAR(10 g) = 2.3 mW/g
Maximum value of SAR (measured) = 14.5 mW/g

System Performance Check/Dipole Area Scan (7x7x1): Measurement grid: dx=9mm, dy=9mm
Maximum value of SAR (measured) = 12.5 mW/g

System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 16.6 mW/g



DIPOLE SAR TARGET - HEAD

Date:	12/28/07	Frequency (MHz):	2450
Lab Location:	NE	Mixture Type:	IEEE Head
DAE Serial #:	401	Ambient Temp.(°C):	21.4

Tissue Characteristics

Permitivity:	38.1	Phantom Type/SN:	40302002B-S12
Conductivity:	1.85	Distance (mm):	10
Tissue Temp.(°C):	21.3		

Reference Source:	Dipole	Power to Dipole:	250 mW
Reference SN:	704		

Target SAR Value: **52.4** mW/g (1g avg.), **24.0** mW/g (10g avg.)
(normalized to 1.0 W)

New Target:

Average Measured SAR Value: **54.77** mW/g (1g avg.), **24.98** mW/g (10g avg.)

Percent Difference From Target (MUST be within k=2 Uncertainty): **4.52%** (1g ave)
4.07% (10g ave)

Test performed by: **Ed Church** Initial: E, C

Probe SN #s	1-G Cube	Diff from Ave	10-G Cube	Diff from Ave	Robot
1393	55.17	0.74%	25.14	0.65%	R3
1547	54.43	-0.61%	24.82	-0.63%	R3
1384	54.70	-0.12%	24.97	-0.03%	R3
		-100.00%		-100.00%	
		-100.00%		-100.00%	
Average	54.7667		24.9767	New Measured SAR Value	
		(normalized to 1.0 W, including drift)			

DIPOLE SAR TARGET - BODY

Date:	**12/28/07**	Frequency (MHz):	**2450**
Lab Location:	NE	Mixture Type:	**FCC Body**
DAE Serial #:	401	Ambient Temp.(°C):	21.3

Tissue Characteristics

Permitivity:	51.2	Phantom Type/SN:	40302002A-S11
Conductivity:	2.00	Distance (mm):	10
Tissue Temp.(°C):	20.3		

Reference Source:	Dipole	Power to Dipole:	250 mW
Reference SN:	**704**		

New Target:

Average Measured SAR Value: **53.74** mW/g(1g avg.), **24.88** mW/g (10g avg.)

Test performed by: **Ed Church** Initial: E. C

Probe SN #s	1-G Cube	Diff from Ave	10-G Cube	Diff from Ave	Robot
1384	53.56	-0.3%	24.58	-1.2%	R3
1547	54.39	1.2%	25.30	1.7%	R3
1393	53.28	-0.9%	24.76	-0.5%	R3
		-100.0%		-100.0%	
		-100.0%		-100.0%	
Average	53.7433		24.8800	New Measured SAR Value	
(normalized to 1.0 W, including drift)					

DIPOLE SAR TARGET - HEAD

Date:	01/07/08	Frequency (MHz):	5200
Lab Location:	G&PS	Mixture Type:	IEEE Head
DAE Serial #:	401	Ambient Temp.(°C):	21.9

Tissue Characteristics

Permitivity:	33.2	Phantom Type/SN:	SAMTP1208
Conductivity:	4.38	Distance (mm):	10
Tissue Temp.(°C):	21.5		

Reference Source:	Dipole	Power to Dipole:	50 mW
Reference SN:	1010		

Target SAR Value: 76.5 mW/g (1g avg.), 21.6 mW/g (10g avg.)
(normalized to 1.0 W)

New Target:

Average Measured SAR Value: 83.68 mW/g (1g avg.), 23.68 mW/g (10g avg.)

Percent Difference From Target (MUST be within k=2 Uncertainty): 9.39% (1g ave)
9.63% (10g ave)

Test performed by: C. Miller Initial:

Probe SN #s	1-G Cube	Diff from Ave	10-G Cube	Diff from Ave	Robot
3628	81.06	-3.13%	22.88	-3.38%	R3
3629	86.30	3.13%	24.48	3.38%	R3
		-100.00%		-100.00%	
		-100.00%		-100.00%	
		-100.00%		-100.00%	
Average	83.6800		23.6800	New Measured SAR Value	
		(normalized to 1.0 W, including drift)			

DIPOLE SAR TARGET - BODY

Date:	1/8/2008	Frequency (MHz):	5200
Lab Location:	G&PS	Mixture Type:	FCC Body
DAE Serial #:	401	Ambient Temp.(°C):	21.2

Tissue Characteristics

Permitivity:	45.5	Phantom Type/SN:	40302002A-S11
Conductivity:	5.40	Distance (mm):	10
Tissue Temp.(°C):	21		

Reference Source:	Dipole	Power to Dipole:	50 mW
Reference SN:	1010		

New Target:

Average Measured SAR Value: **76.84** mW/g(1g avg.), **22.04** mW/g (10g avg.)

Test performed by: **J. Turco** Initial:

Probe SN #s	1-G Cube	Diff from Ave	10-G Cube	Diff from Ave	Robot
3628	75.36	-1.9%	21.55	-2.2%	R3
3629	78.32	1.9%	22.53	2.2%	R3
N/A	N/A	#VALUE!	N/A	#VALUE!	N/A
N/A	N/A	#VALUE!	N/A	#VALUE!	N/A
N/A	N/A	#VALUE!	N/A	#VALUE!	N/A
Average	76.8400		22.0400	New Measured SAR Value	
(normalized to 1.0 W, including drift)					

Appendix E
DUT Scans (Shortened Scans and Highest SAR configurations)

Note – Probe EX3DV3/3527 was calibrated at 5.2GHz and 5.8GHz. These calibrations were based on IEEE std 802.11a which at the time only included U.S. bands 5.15-5.25Ghz, 5.25-5.35GHz and 5.725-5.825GHz. This device was tested in the 5.47-5.725GHz band utilizing the correction factors closest the 5.2GHz and 5.8GHz. The correction factors at 5.2GHz and 5.8GHz are very close to each other and therefore the error is expected to be very small. Future probe calibrations will include addition calibration points to include 5.47-5.725GHz. A letter from the probe manufacturer is included in the probe calibration sheets located in Part 1 of 3, Appendix B pg 38.

Shortened Scan Results
Motorola Government & Public Safety EME Laboratory
Date/Time: 3/19/2008 7:11:53 PM

Robot# / Run#: DASY4-FL-1 / MeC-Ab-080319-13
Phantom# / Tissue Temp.: 40302002B-S12 / 20.6 (C)
DUT Model# / Serial#: F2978A / 079SJA00HN
Antenna / TX Freq.: 0789971V87 (Internal) / 5260 (MHz)
Battery: SNN5754A w/ 0189968V78
Carry Acc. / Cable Acc.: None / NNTN5211B
Start Power: 0.082 (W)

Note all 5GHz DASY SAR results were corrected for deviations in permittivity and conductivity, using the algorithm given in Annex B.3 of draft standard IEEE 1528b and Annex F of draft standard IEC 62209-2. The use of this algorithm increases the accuracy of the SAR results.
Therefore;

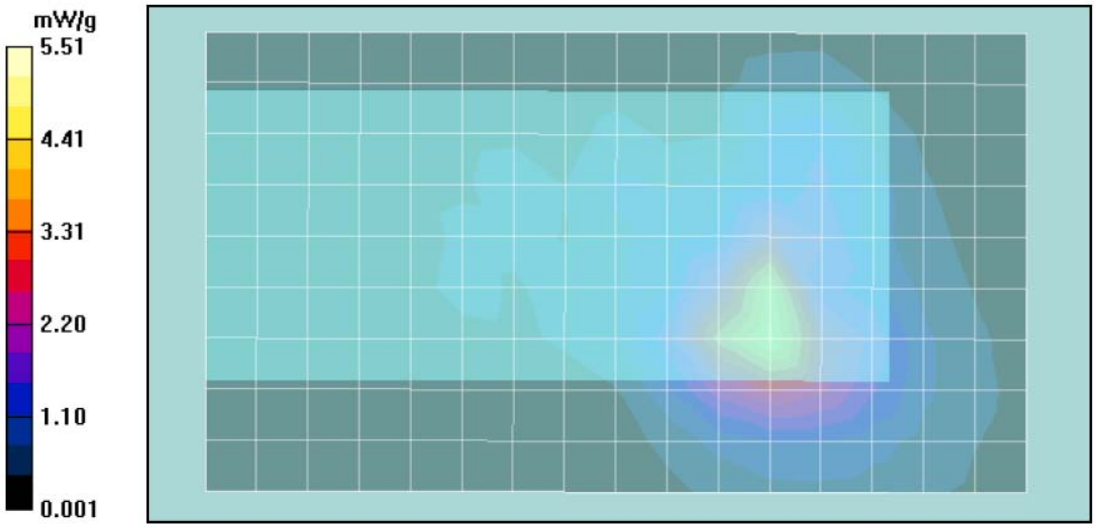
SAR Calculated: 2.500 mW/g (1g); 0.956 mW/g (10g)

Comments: Shortened Scan; Back of radio against phantom

Comments: Short Scan at the body w/ DUT against phantom
Shortened scan reflect highest SAR producing configuration; Run time 15 minutes.
Representative "normal" scan run time was 35 minutes
"Shortened" scan max calculated SAR using SAR drift: 1-g Avg. = 1.255mW/g; 10-g Avg. = 0.480mW/g
"Normal" scan max calculated SAR using SAR drift: 1-g Avg. = 1.292mW/g; 10-g Avg. = 0.471mW/g
(see part 1 of 3 section 9.0 run # JsT-Ab-080314-03)

Probe: EX3DV3 - SN3527, Calibrated: 5/17/2007, ConvF(4.59, 4.59, 4.59)
Electronics: DAE3 Sn363, Calibrated: 4/24/2007
Duty Cycle: 1:1, Medium parameters used: f = 5250 MHz; σ = 5.3 mho/m; ε_r = 44.7; ρ = 1000 kg/m^3

Ab Scan/8x8x8 Zoom Scan (8x8x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 6.44 V/m; Power Drift = -0.0173 dB
Peak SAR (extrapolated) = 12.2 W/kg
SAR(1 g) = 2.57 mW/g; SAR(10 g) = 0.981 mW/g
Maximum value of SAR (measured) = 4.98 mW/g



Highest SAR Configurations Results

Motorola Government & Public Safety EME Laboratory

Date/Time: 3/14/2008 2:05:53 PM

Robot# / Run#: DASY4-FL-1 / JsT-Ab-080314-03
Phantom# / Tissue Temp.: 40302002B-S12 / 20.7 (C)
DUT Model# / Serial#: F2978A / 079SJA00HN
Antenna / TX Freq.: 0789971V87 (Internal) / 5260 (MHz)
Battery: SNN5754A w/ 0189968V78
Carry Acc. / Cable Acc.: None / NNTN5211B
Start Power: 0.080 (W)

Note all 5GHz DASY SAR results were corrected for deviations in permittivity and conductivity, using the algorithm given in Annex B.3 of draft standard IEEE 1528b and Annex F of draft standard IEC 62209-2. The use of this algorithm increases the accuracy of the SAR results.
Therefore;

SAR Calculated: 2.352 mW/g (1g); 0.858 mW/g (10g)

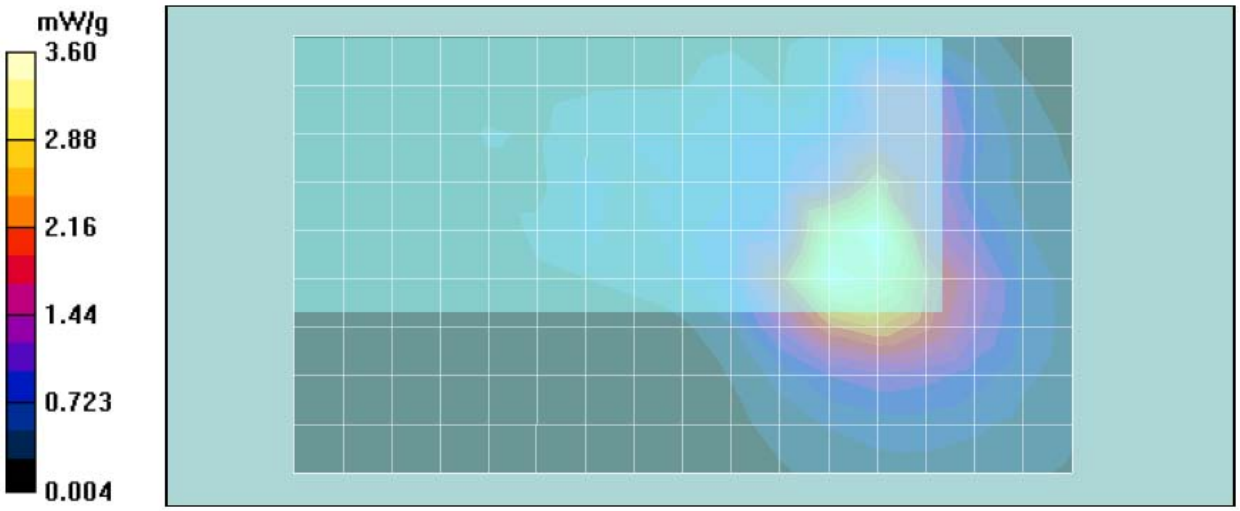
Comments: Back of radio against phantom

Probe: EX3DV3 - SN3527, Calibrated: 5/17/2007, ConvF(4.59, 4.59, 4.59)
Electronics: DAE3 Sn363, Calibrated: 4/24/2007
Duty Cycle: 1:1, Medium parameters used: f = 5250 MHz; σ = 5.3 mho/m; ε_r = 45.2; ρ = 1000 kg/m3

Ab Scan/8x8x8 Zoom Scan (8x8x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 20.4 V/m; Power Drift = -0.408 dB
Peak SAR (extrapolated) = 12.5 W/kg
SAR(1 g) = 2.41 mW/g; SAR(10 g) = 0.878 mW/g
Maximum value of SAR (measured) = 5.43 mW/g

Ab Scan/Area Scan (91x161x1): Measurement grid: dx=9mm, dy=9mm
Reference Value = 20.4 V/m; Power Drift = -0.408 dB
Motorola Fast SAR: SAR(1 g) = 5.49 mW/g; SAR(10 g) = 11.5 mW/g
Maximum value of SAR (interpolated) = 4.02 mW/g

Ab Scan/Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 5.40 mW/g



Highest SAR Configurations Results

Motorola Government & Public Safety EME Laboratory

Date/Time: 3/14/2008 2:05:53 PM

Robot# / Run#: DASY4-FL-1 / JsT-Ab-080314-03
Phantom# / Tissue Temp.: 40302002B-S12 / 20.7 (C)
DUT Model# / Serial#: F2978A / 079SJA00HN
Antenna / TX Freq.: 0789971V87 (Internal) / 5260 (MHz)
Battery: SNN5754A w/ 0189968V78
Carry Acc. / Cable Acc.: None / NNTN5211B
Start Power: 0.080 (W)

Note all 5GHz DASY SAR results were corrected for deviations in permittivity and conductivity, using the algorithm given in Annex B.3 of draft standard IEEE 1528b and Annex F of draft standard IEC 62209-2. The use of this algorithm increases the accuracy of the SAR results.
Therefore;

SAR Calculated: 2.352 mW/g (1g); 0.858 mW/g (10g)

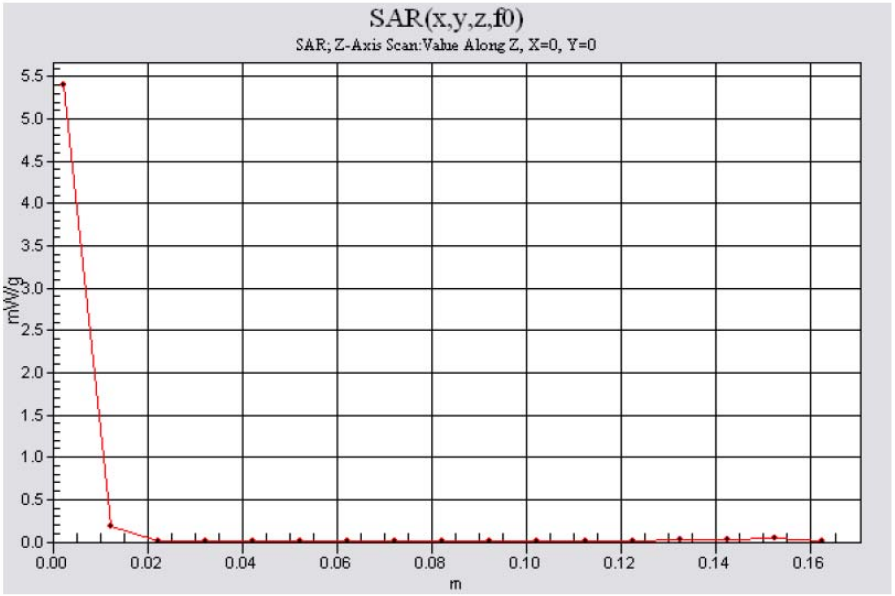
Comments: Back of radio against phantom

Probe: EX3DV3 - SN3527, Calibrated: 5/17/2007, ConvF(4.59, 4.59, 4.59)
Electronics: DAE3 Sn363, Calibrated: 4/24/2007
Duty Cycle: 1:1, Medium parameters used: f = 5250 MHz; σ = 5.3 mho/m; ε_r = 45.2; ρ = 1000 kg/m3

Ab Scan/8x8x8 Zoom Scan (8x8x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 20.4 V/m; Power Drift = -0.408 dB
Peak SAR (extrapolated) = 12.5 W/kg
SAR(1 g) = 2.41 mW/g; SAR(10 g) = 0.878 mW/g
Maximum value of SAR (measured) = 5.43 mW/g

Ab Scan/Area Scan (91x161x1): Measurement grid: dx=9mm, dy=9mm
Reference Value = 20.4 V/m; Power Drift = -0.408 dB
Motorola Fast SAR: SAR(1 g) = 5.49 mW/g; SAR(10 g) = 11.5 mW/g
Maximum value of SAR (interpolated) = 4.02 mW/g

Ab Scan/Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 5.40 mW/g



Motorola Government & Public Safety EME Laboratory

Date/Time: 3/20/2008 10:31:38 AM

Robot# / Run#: DASY4-FL-1 / JsT-Rear-080320-06
Phantom# / Tissue Temp.: SAMTP1234 / 20.3 (C)
DUT Model# / Serial#: F2978A / 079SJA00HN
Antenna / TX Freq.: 0789971V87 (Internal) / 2462 (MHz)
Battery: SNN5754A w/ 0189968V78
Carry Acc. / Cable Acc.: None / None
Start Power: 0.075 (W)

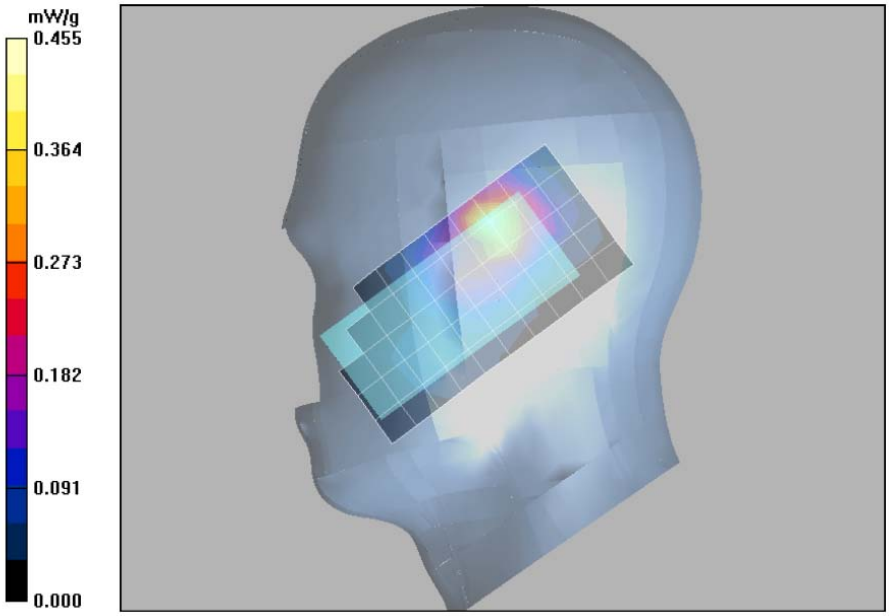
Comments: Full Scan

Probe: ET3DV6R - SN1545, Calibrated: 8/28/2007, ConvF(4.32, 4.32, 4.32)
Electronics: DAE3 Sn363, Calibrated: 4/24/2007
Duty Cycle: 1:1, Medium parameters used: f = 2437 MHz; σ = 1.86 mho/m; ε_r = 39.2; ρ = 1000 kg/m3

Right Ear-Touch Position/5x5x7 Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 11.3 V/m; Power Drift = 0.0715 dB
Peak SAR (extrapolated) = 0.983 W/kg
SAR(1 g) = 0.442 mW/g; SAR(10 g) = 0.223 mW/g
Maximum value of SAR (measured) = 0.469 mW/g

Right Ear-Touch Position/Area Scan (51x101x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 11.3 V/m; Power Drift = 0.0715 dB
Motorola Fast SAR: SAR(1 g) = 0.410 mW/g; SAR(10 g) = 0.205 mW/g
Maximum value of SAR (interpolated) = 0.466 mW/g

Right Ear-Touch Position/Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 0.458 mW/g



Motorola Government & Public Safety EME Laboratory

Date/Time: 3/20/2008 10:31:38 AM

Robot# / Run#: DASY4-FL-1 / JsT-Rear-080320-06
Phantom# / Tissue Temp.: SAMTP1234 / 20.3 (C)
DUT Model# / Serial#: F2978A / 079SJA00HN
Antenna / TX Freq.: 0789971V87 (Internal) / 2462 (MHz)
Battery: SNN5754A w/ 0189968V78
Carry Acc. / Cable Acc.: None / None
Start Power: 0.075 (W)

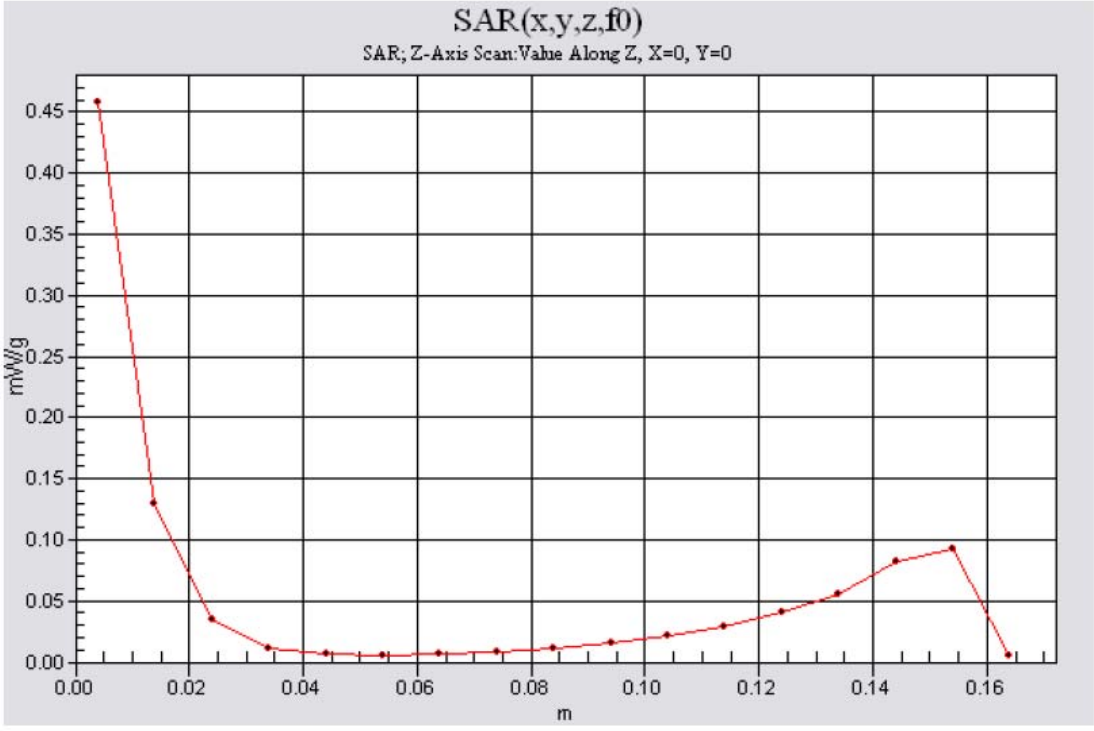
Comments: Full Scan

Probe: ET3DV6R - SN1545, Calibrated: 8/28/2007, ConvF(4.32, 4.32, 4.32)
Electronics: DAE3 Sn363, Calibrated: 4/24/2007
Duty Cycle: 1:1, Medium parameters used: f = 2437 MHz; σ = 1.86 mho/m; ε_r = 39.2; ρ = 1000 kg/m3

Right Ear-Touch Position/5x5x7 Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 11.3 V/m; Power Drift = 0.0715 dB
Peak SAR (extrapolated) = 0.983 W/kg
SAR(1 g) = 0.442 mW/g; SAR(10 g) = 0.223 mW/g
Maximum value of SAR (measured) = 0.469 mW/g

Right Ear-Touch Position/Area Scan (51x101x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 11.3 V/m; Power Drift = 0.0715 dB
Motorola Fast SAR: SAR(1 g) = 0.410 mW/g; SAR(10 g) = 0.205 mW/g
Maximum value of SAR (interpolated) = 0.466 mW/g

Right Ear-Touch Position/Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 0.458 mW/g



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Date/Time: 3/20/2008 12:07:18 PM

Robot# / Run#: DASY4-FL-1 / JsT-Face-080320-10
Phantom# / Tissue Temp.: SAMTP1234 / 20.1 (C)
DUT Model# / Serial#: F2978A / 079SJA00HN
Antenna / TX Freq.: 0789971V87 (Internal) / 2462 (MHz)
Battery: SNN5754A w/ 0189968V78
Carry Acc. / Cable Acc.: None / None
Start Power: 0.075 (W)

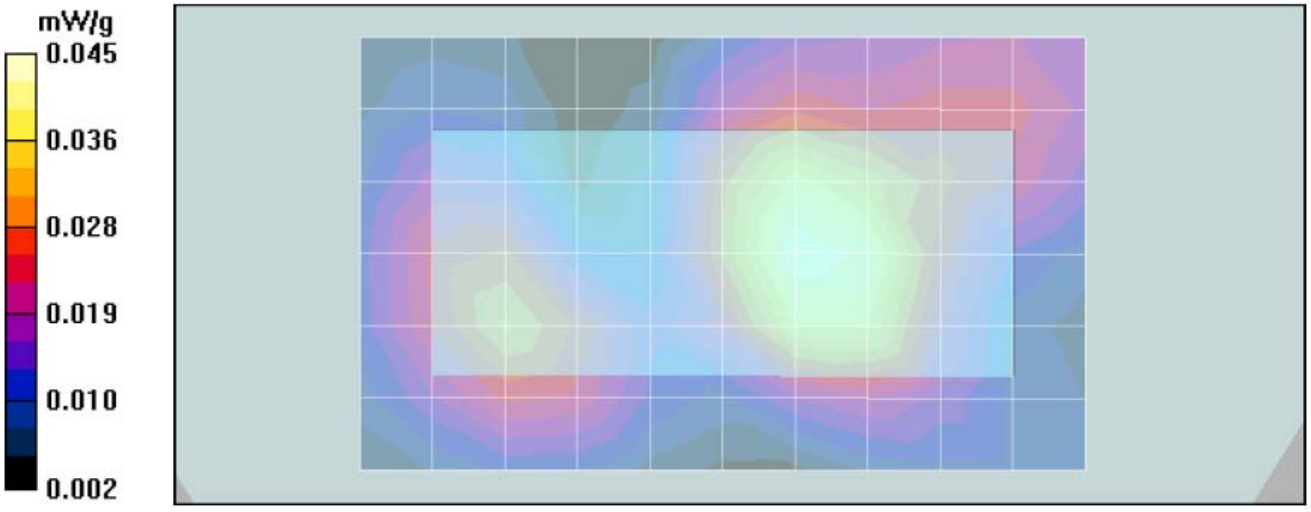
Comments: Full Scan

Probe: ET3DV6R - SN1545, Calibrated: 8/28/2007, ConvF(4.32, 4.32, 4.32)
Electronics: DAE3 Sn363, Calibrated: 4/24/2007
Duty Cycle: 1:1, Medium parameters used: f = 2437 MHz; σ = 1.86 mho/m; ε_r = 39.2; ρ = 1000 kg/m3

Face Scan/5x5x7 Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 4.08 V/m; Power Drift = -0.0372 dB
Peak SAR (extrapolated) = 0.133 W/kg
SAR(1 g) = 0.0428 mW/g; SAR(10 g) = 0.0209 mW/g
Maximum value of SAR (measured) = 0.047 mW/g

Face Scan/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 4.08 V/m; Power Drift = -0.0372 dB
Motorola Fast SAR: SAR(1 g) = 0.044 mW/g; SAR(10 g) = 0.024 mW/g
Maximum value of SAR (interpolated) = 0.047 mW/g

Face Scan/Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 0.046 mW/g



Motorola Government & Public Safety EME Laboratory

Date/Time: 3/20/2008 12:07:18 PM

Robot# / Run#: DASY4-FL-1 / JsT-Face-080320-10
Phantom# / Tissue Temp.: SAMTP1234 / 20.1 (C)
DUT Model# / Serial#: F2978A / 079SJA00HN
Antenna / TX Freq.: 0789971V87 (Internal) / 2462 (MHz)
Battery: SNN5754A w/ 0189968V78
Carry Acc. / Cable Acc.: None / None
Start Power: 0.075 (W)

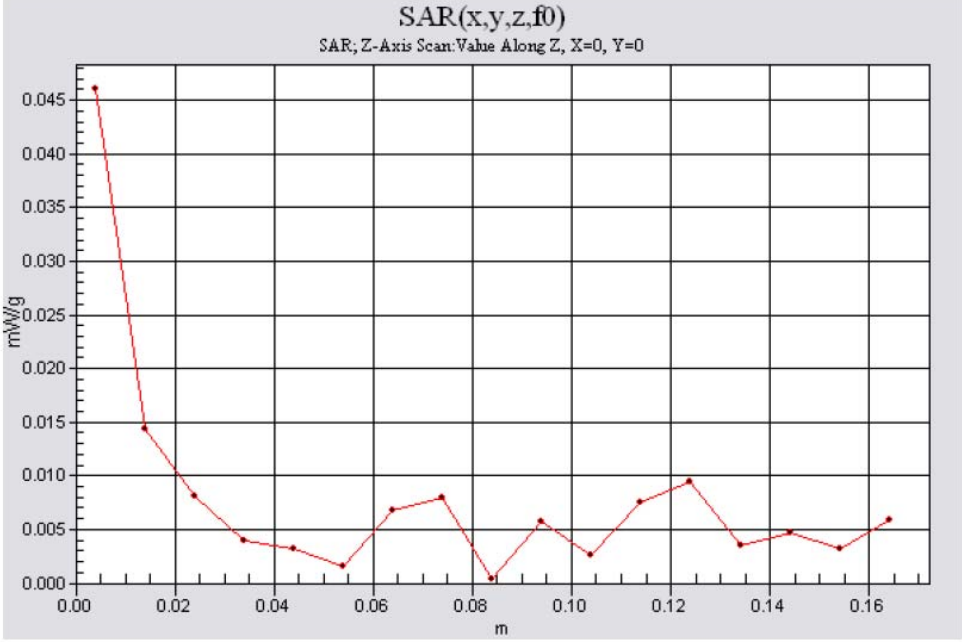
Comments: Full Scan

Probe: ET3DV6R - SN1545, Calibrated: 8/28/2007, ConvF(4.32, 4.32, 4.32)
Electronics: DAE3 Sn363, Calibrated: 4/24/2007
Duty Cycle: 1:1, Medium parameters used: f = 2437 MHz; σ = 1.86 mho/m; ε_r = 39.2; ρ = 1000 kg/m3

Face Scan/5x5x7 Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 4.08 V/m; Power Drift = -0.0372 dB
Peak SAR (extrapolated) = 0.133 W/kg
SAR(1 g) = 0.0428 mW/g; SAR(10 g) = 0.0209 mW/g
Maximum value of SAR (measured) = 0.047 mW/g

Face Scan/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 4.08 V/m; Power Drift = -0.0372 dB
Motorola Fast SAR: SAR(1 g) = 0.044 mW/g; SAR(10 g) = 0.024 mW/g
Maximum value of SAR (interpolated) = 0.047 mW/g

Face Scan/Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 0.046 mW/g



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Date/Time: 3/24/2008 6:18:10 PM

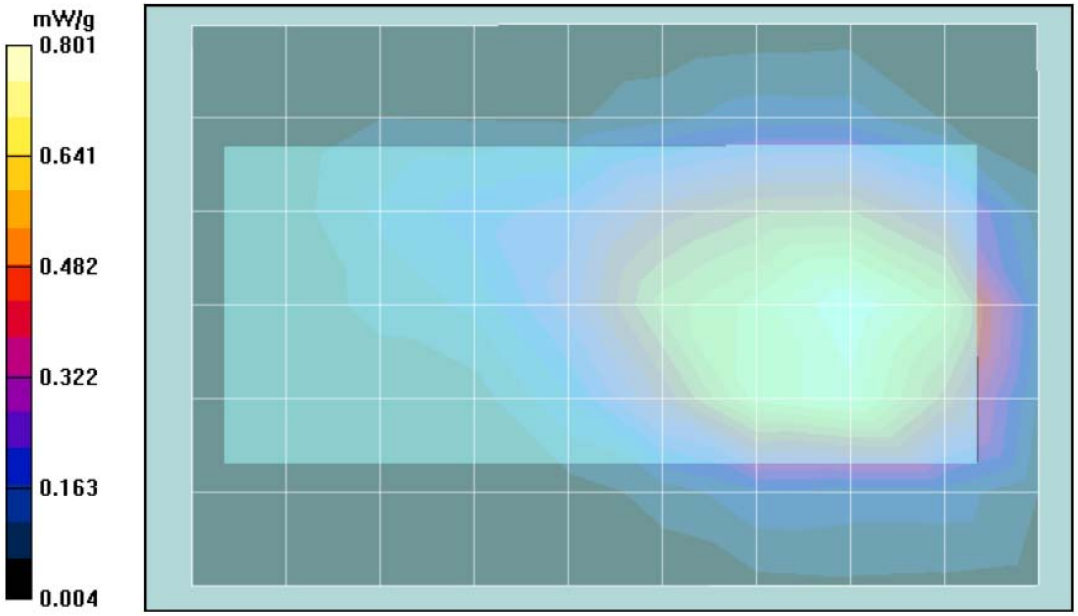
Robot# / Run#: DASY4-FL-1 / MeC-Ab-080324-07
Phantom# / Tissue Temp.: 40302002A-S11 / 20.2 (C)
DUT Model# / Serial#: F2978A / 079SJA00HN
Antenna / TX Freq.: 0789971V87 (Internal) / 2437 (MHz)
Battery: SNN5754A w/ 0189968V78
Carry Acc. / Cable Acc.: None / NNTN5211B
Start Power: 0.075 (W)

Comments: Back of radio against phantom, FULL SCAN
.
Probe: ET3DV6R - SN1545, Calibrated: 8/28/2007, ConvF(3.73, 3.73, 3.73)
Electronics: DAE3 Sn363, Calibrated: 4/24/2007
Duty Cycle: 1:1, Medium parameters used: f = 2437 MHz; σ = 1.93 mho/m; ε_r = 51.7; ρ = 1000 kg/m3

Ab Scan/5x5x7 Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 19.8 V/m; Power Drift = -0.0347 dB
Peak SAR (extrapolated) = 2.23 W/kg
SAR(1 g) = 0.943 mW/g; SAR(10 g) = 0.470 mW/g
Maximum value of SAR (measured) = 0.990 mW/g

Ab Scan/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 19.8 V/m; Power Drift = -0.0347 dB
Motorola Fast SAR: SAR(1 g) = 0.821 mW/g; SAR(10 g) = 0.443 mW/g
Maximum value of SAR (interpolated) = 0.927 mW/g

Ab Scan/Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 1.03 mW/g



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Date/Time: 3/24/2008 6:18:10 PM

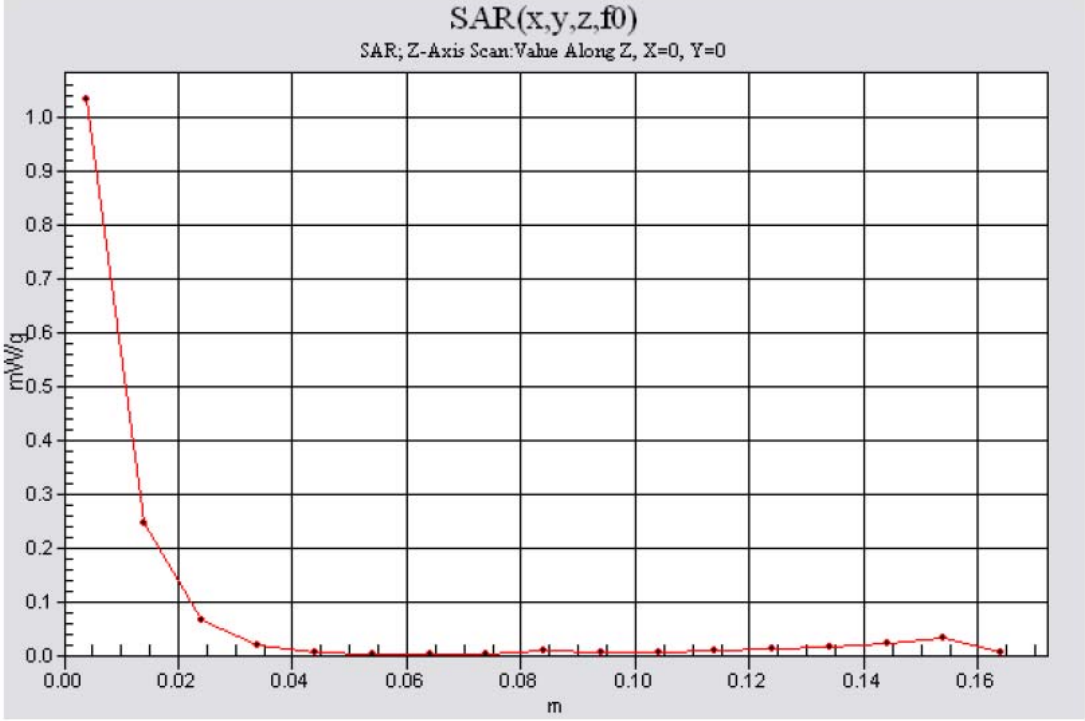
Robot# / Run#: DASY4-FL-1 / MeC-Ab-080324-07
Phantom# / Tissue Temp.: 40302002A-S11 / 20.2 (C)
DUT Model# / Serial#: F2978A / 079SJA00HN
Antenna / TX Freq.: 0789971V87 (Internal) / 2437 (MHz)
Battery: SNN5754A w/ 0189968V78
Carry Acc. / Cable Acc.: None / NNTN5211B
Start Power: 0.075 (W)

Comments: Back of radio against phantom, FULL SCAN
.
Probe: ET3DV6R - SN1545, Calibrated: 8/28/2007, ConvF(3.73, 3.73, 3.73)
Electronics: DAE3 Sn363, Calibrated: 4/24/2007
Duty Cycle: 1:1, Medium parameters used: f = 2437 MHz; σ = 1.93 mho/m; ε_r = 51.7; ρ = 1000 kg/m3

Ab Scan/5x5x7 Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 19.8 V/m; Power Drift = -0.0347 dB
Peak SAR (extrapolated) = 2.23 W/kg
SAR(1 g) = 0.943 mW/g; SAR(10 g) = 0.470 mW/g
Maximum value of SAR (measured) = 0.990 mW/g

Ab Scan/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 19.8 V/m; Power Drift = -0.0347 dB
Motorola Fast SAR: SAR(1 g) = 0.821 mW/g; SAR(10 g) = 0.443 mW/g
Maximum value of SAR (interpolated) = 0.927 mW/g

Ab Scan/Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 1.03 mW/g



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Date/Time: 3/20/2008 4:54:30 PM

Robot# / Run#: DASY4-FL-1 / MeC-Rear-080320-19
Phantom# / Tissue Temp.: SAMTP1234 / 20.3 (C)
DUT Model# / Serial#: F2978A / 079SJA00HN
Antenna / TX Freq.: 0789971V46 (Internal) / 2480 (MHz)
Battery: SNN5754A w/ 0189968V78
Carry Acc. / Cable Acc.: None / None
Start Power: 0.00251 (W)

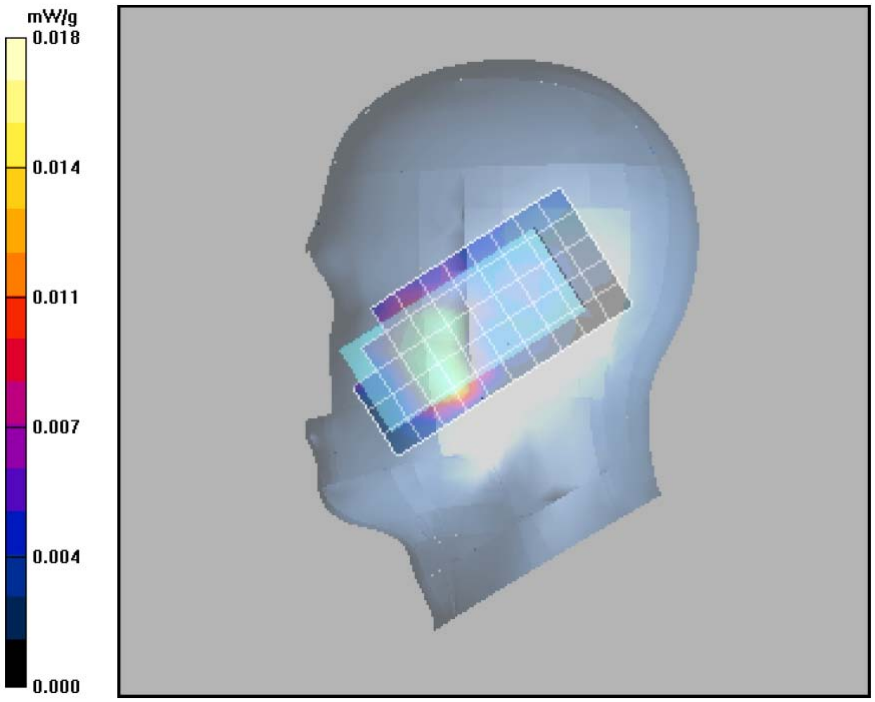
Comments: FULL SCAN

Probe: ET3DV6R - SN1545, Calibrated: 8/28/2007, ConvF(4.32, 4.32, 4.32)
Electronics: DAE3 Sn363, Calibrated: 4/24/2007
Duty Cycle: 1:1, Medium parameters used: f = 2441 MHz; σ = 1.86 mho/m; ε_r = 39.2; ρ = 1000 kg/m3

Right Ear-Touch Position/5x5x7 Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 3.06 V/m; Power Drift = -0.267 dB
Peak SAR (extrapolated) = 0.034 W/kg
SAR(1 g) = 0.0180 mW/g; SAR(10 g) = 0.0101 mW/g
Maximum value of SAR (measured) = 0.020 mW/g

Right Ear-Touch Position/Area Scan (51x101x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 3.06 V/m; Power Drift = -0.267 dB
Motorola Fast SAR: SAR(1 g) = 0.0191 mW/g; SAR(10 g) = 0.00936 mW/g
Maximum value of SAR (interpolated) = 0.023 mW/g

Right Ear-Touch Position/Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 0.111 mW/g



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Date/Time: 3/20/2008 4:54:30 PM

Robot# / Run#: DASY4-FL-1 / MeC-Rear-080320-19
Phantom# / Tissue Temp.: SAMTP1234 / 20.3 (C)
DUT Model# / Serial#: F2978A / 079SJA00HN
Antenna / TX Freq.: 0789971V46 (Internal) / 2480 (MHz)
Battery: SNN5754A w/ 0189968V78
Carry Acc. / Cable Acc.: None / None
Start Power: 0.00251 (W)

Comments: FULL SCAN

Probe: ET3DV6R - SN1545, Calibrated: 8/28/2007, ConvF(4.32, 4.32, 4.32)
Electronics: DAE3 Sn363, Calibrated: 4/24/2007
Duty Cycle: 1:1, Medium parameters used: f = 2441 MHz; σ = 1.86 mho/m; ε_r = 39.2; ρ = 1000 kg/m3

Right Ear-Touch Position/5x5x7 Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

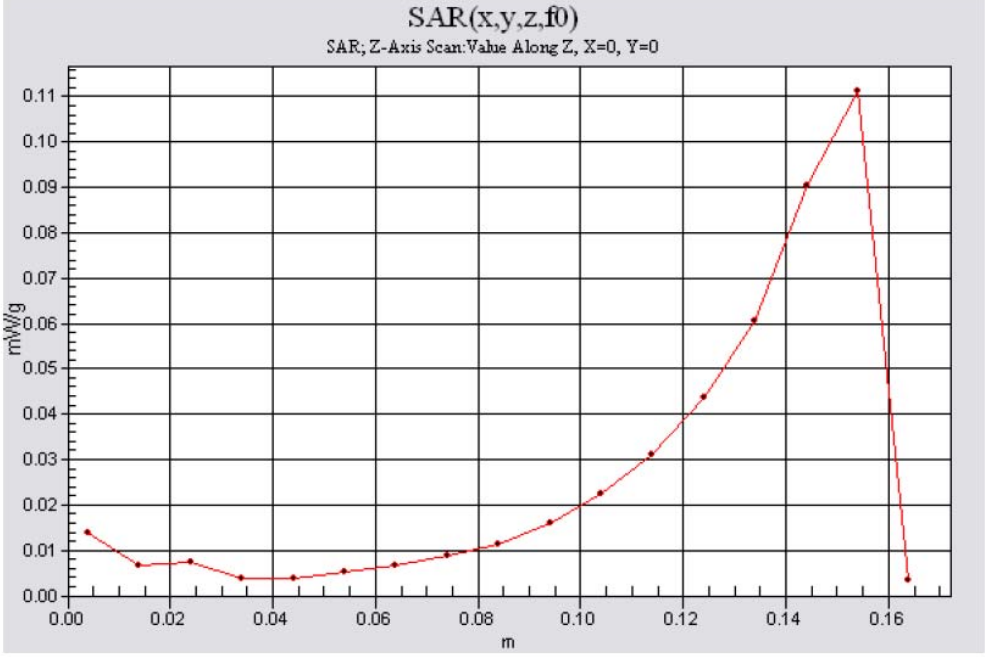
Reference Value = 3.06 V/m; Power Drift = -0.267 dB
Peak SAR (extrapolated) = 0.034 W/kg
SAR(1 g) = 0.0180 mW/g; SAR(10 g) = 0.0101 mW/g
Maximum value of SAR (measured) = 0.020 mW/g

Right Ear-Touch Position/Area Scan (51x101x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 3.06 V/m; Power Drift = -0.267 dB
Motorola Fast SAR: SAR(1 g) = 0.0191 mW/g; SAR(10 g) = 0.00936 mW/g
Maximum value of SAR (interpolated) = 0.023 mW/g

Right Ear-Touch Position/Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm

Maximum value of SAR (measured) = 0.111 mW/g



Motorola Government & Public Safety EME Laboratory

Date/Time: 3/20/2008 6:06:04 PM

Robot# / Run#: DASY4-FL-1 / MeC-Face-080320-23
Phantom# / Tissue Temp.: SAMTP1234 / 20.1 (C)
DUT Model# / Serial#: F2978A / 079SJA00HN
Antenna / TX Freq.: 0789971V46 (Internal) / 2480 (MHz)
Battery: SNN5754A w/ 0189968V78
Carry Acc. / Cable Acc.: None / None
Start Power: 0.00251 (W)

Comments: FULL SCAN

Probe: ET3DV6R - SN1545, Calibrated: 8/28/2007, ConvF(4.32, 4.32, 4.32)
Electronics: DAE3 Sn363, Calibrated: 4/24/2007
Duty Cycle: 1:1, Medium parameters used: f = 2441 MHz; σ = 1.86 mho/m; ε_r = 39.2; ρ = 1000 kg/m3

Face Scan/5x5x7 Zoom Scan (5x5x7)/Cube 0:

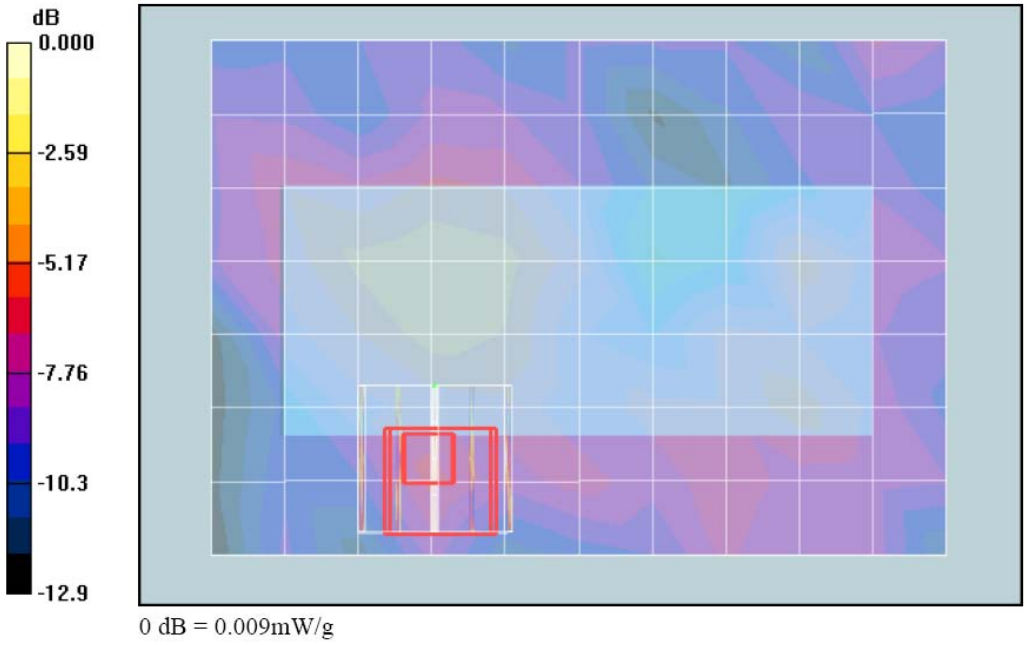
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 0.931 V/m; Power Drift = -0.358 dB
Peak SAR (extrapolated) = 0.013 W/kg
SAR(1 g) = 0.000652 mW/g; SAR(10 g) = 0.000105 mW/g
Warning: Maximum averaged SAR over 10 g is located on the boundary of the measurement cube. This cube might not incorporate the absolute averaged SAR. Please consider a refinement of the Area Scan measurement.
Maximum value of SAR (measured) = 0.013 mW/g

Face Scan/Area Scan (71x101x1):

Measurement grid: dx=15mm, dy=15mm
Reference Value = 0.931 V/m; Power Drift = -0.358 dB
Motorola Fast SAR: SAR(1 g) = 0.00256 mW/g; SAR(10 g) = 0.00142 mW/g
Maximum value of SAR (interpolated) = 0.003 mW/g

Face Scan/Z-Axis Scan (1x1x17):

Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 0.009 mW/g



0 dB = 0.009mW/g

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Date/Time: 3/20/2008 6:06:04 PM

Robot# / Run#: DASY4-FL-1 / MeC-Face-080320-23
Phantom# / Tissue Temp.: SAMTP1234 / 20.1 (C)
DUT Model# / Serial#: F2978A / 079SJA00HN
Antenna / TX Freq.: 0789971V46 (Internal) / 2480 (MHz)
Battery: SNN5754A w/ 0189968V78
Carry Acc. / Cable Acc.: None / None
Start Power: 0.00251 (W)

Comments: FULL SCAN

Probe: ET3DV6R - SN1545, Calibrated: 8/28/2007, ConvF(4.32, 4.32, 4.32)
Electronics: DAE3 Sn363, Calibrated: 4/24/2007
Duty Cycle: 1:1, Medium parameters used: f = 2441 MHz; σ = 1.86 mho/m; ε_r = 39.2; ρ = 1000 kg/m3

Face Scan/5x5x7 Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

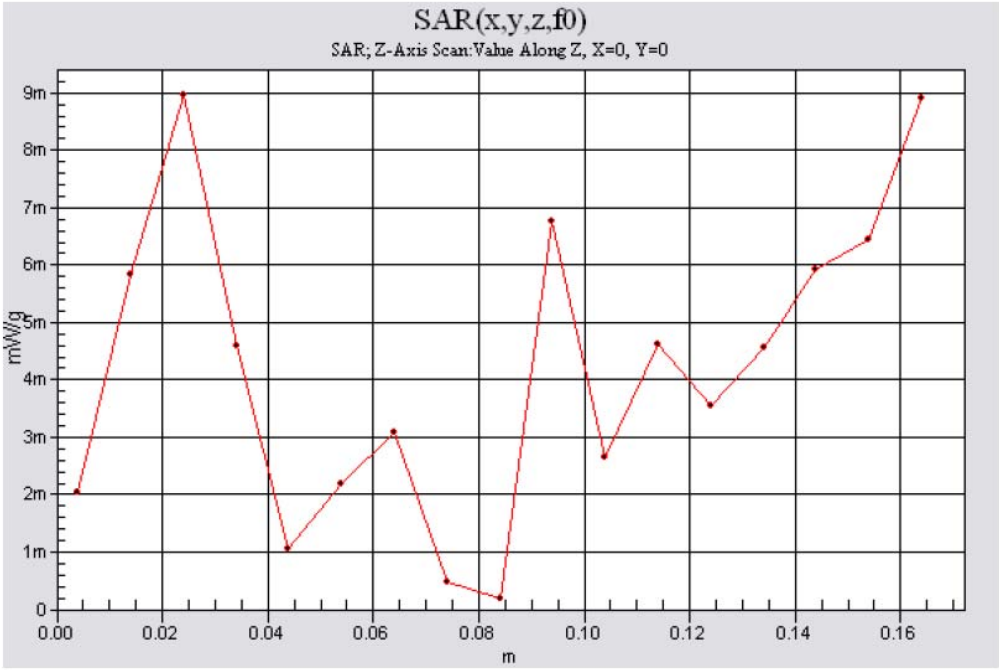
Reference Value = 0.931 V/m; Power Drift = -0.358 dB
Peak SAR (extrapolated) = 0.013 W/kg
SAR(1 g) = 0.000652 mW/g; SAR(10 g) = 0.000105 mW/g
Warning: Maximum averaged SAR over 10 g is located on the boundary of the measurement cube. This cube might not incorporate the absolute averaged SAR. Please consider a refinement of the Area Scan measurement.
Maximum value of SAR (measured) = 0.013 mW/g

Face Scan/Area Scan (71x101x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 0.931 V/m; Power Drift = -0.358 dB
Motorola Fast SAR: SAR(1 g) = 0.00256 mW/g; SAR(10 g) = 0.00142 mW/g
Maximum value of SAR (interpolated) = 0.003 mW/g

Face Scan/Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm

Maximum value of SAR (measured) = 0.009 mW/g



Motorola Government & Public Safety EME Laboratory

Date/Time: 3/21/2008 5:03:58 PM

Robot# / Run#: DASY4-FL-1 / MeC-Ab-080321-25
Phantom# / Tissue Temp.: 40302002A-S11 / 20.0 (C)
DUT Model# / Serial#: F2978A / 079SJA00HN
Antenna / TX Freq.: 0789971V46 (Internal) / 2480 (MHz)
Battery: SNN5754A w/ 0189968V78
Carry Acc. / Cable Acc.: None / NNTN5005BP
Start Power: 0.00251 (W)

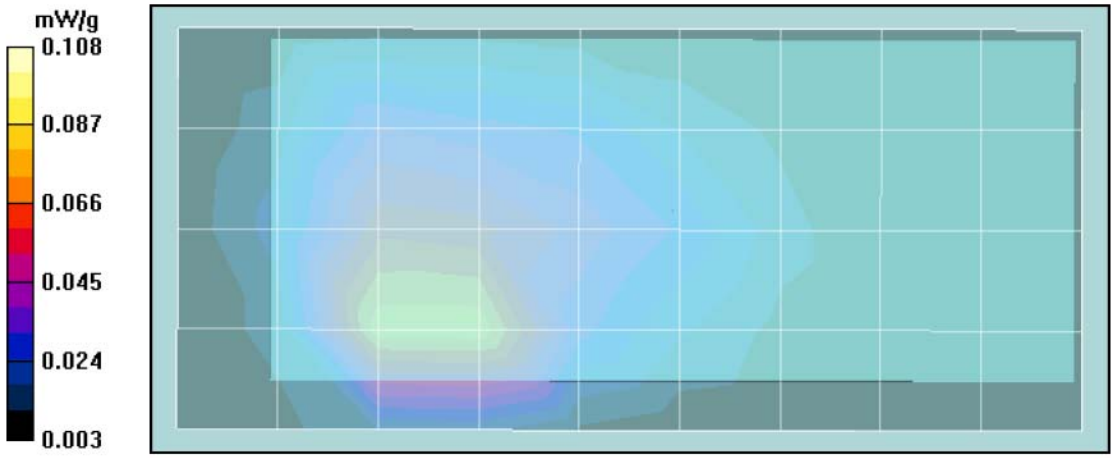
Comments: Back of radio against phantom. FULL SCAN

Probe: ET3DV6R - SN1545, Calibrated: 8/28/2007, ConvF(3.73, 3.73, 3.73)
Electronics: DAE3 Sn363, Calibrated: 4/24/2007
Duty Cycle: 1:1, Medium parameters used: f = 2441 MHz; σ = 1.94 mho/m; ε_r = 52.2; ρ = 1000 kg/m3

Ab Scan/5x5x7 Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 4.05 V/m; Power Drift = -0.00116 dB
Peak SAR (extrapolated) = 0.179 W/kg
SAR(1 g) = 0.0943 mW/g; SAR(10 g) = 0.0407 mW/g
Maximum value of SAR (measured) = 0.114 mW/g

Ab Scan/Area Scan (41x91x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 4.05 V/m; Power Drift = -0.00116 dB
Motorola Fast SAR: SAR(1 g) = 0.0832 mW/g; SAR(10 g) = 0.040 mW/g
Maximum value of SAR (interpolated) = 0.100 mW/g

Ab Scan/Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 0.108 mW/g



Motorola Government & Public Safety EME Laboratory

Date/Time: 3/21/2008 5:03:58 PM

Robot# / Run#: DASY4-FL-1 / MeC-Ab-080321-25
Phantom# / Tissue Temp.: 40302002A-S11 / 20.0 (C)
DUT Model# / Serial#: F2978A / 079SJA00HN
Antenna / TX Freq.: 0789971V46 (Internal) / 2480 (MHz)
Battery: SNN5754A w/ 0189968V78
Carry Acc. / Cable Acc.: None / NNTN5005BP
Start Power: 0.00251 (W)

Comments: Back of radio against phantom. FULL SCAN

Probe: ET3DV6R - SN1545, Calibrated: 8/28/2007, ConvF(3.73, 3.73, 3.73)
Electronics: DAE3 Sn363, Calibrated: 4/24/2007
Duty Cycle: 1:1, Medium parameters used: f = 2441 MHz; σ = 1.94 mho/m; ε_r = 52.2; ρ = 1000 kg/m3

Ab Scan/5x5x7 Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

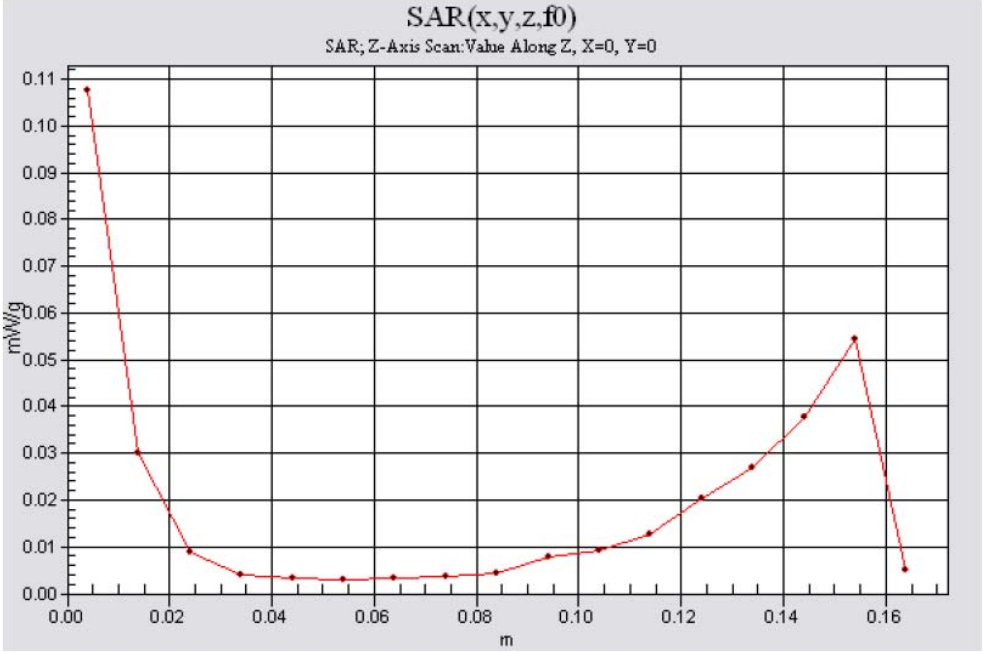
Reference Value = 4.05 V/m; Power Drift = -0.00116 dB
Peak SAR (extrapolated) = 0.179 W/kg
SAR(1 g) = 0.0943 mW/g; SAR(10 g) = 0.0407 mW/g
Maximum value of SAR (measured) = 0.114 mW/g

Ab Scan/Area Scan (41x91x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 4.05 V/m; Power Drift = -0.00116 dB
Motorola Fast SAR: SAR(1 g) = 0.0832 mW/g; SAR(10 g) = 0.040 mW/g
Maximum value of SAR (interpolated) = 0.100 mW/g

Ab Scan/Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm

Maximum value of SAR (measured) = 0.108 mW/g



Motorola Government & Public Safety EME Laboratory

Date/Time: 3/17/2008 9:38:19 AM

Robot# / Run#: DASY4-FL-1 / JsT-Rear-080317-02
Phantom# / Tissue Temp.: SAMTP1022 / 21.1 (C)
DUT Model# / Serial#: F2978A / 079SJA00HN
Antenna / TX Freq.: 0789971V87 (Internal) / 5260 (MHz)
Battery: SNN5754A w/ 0189968V78
Carry Acc. / Cable Acc.: None / None
Start Power: 0.080 (W)

Note all 5GHz DASY SAR results were corrected for deviations in permittivity and conductivity, using the algorithm given in Annex B.3 of draft standard IEEE 1528b and Annex F of draft standard IEC 62209-2. The use of this algorithm increases the accuracy of the SAR results.
Therefore;

SAR Calculated: 1.426 mW/g (1g); 0.561 mW/g (10g)

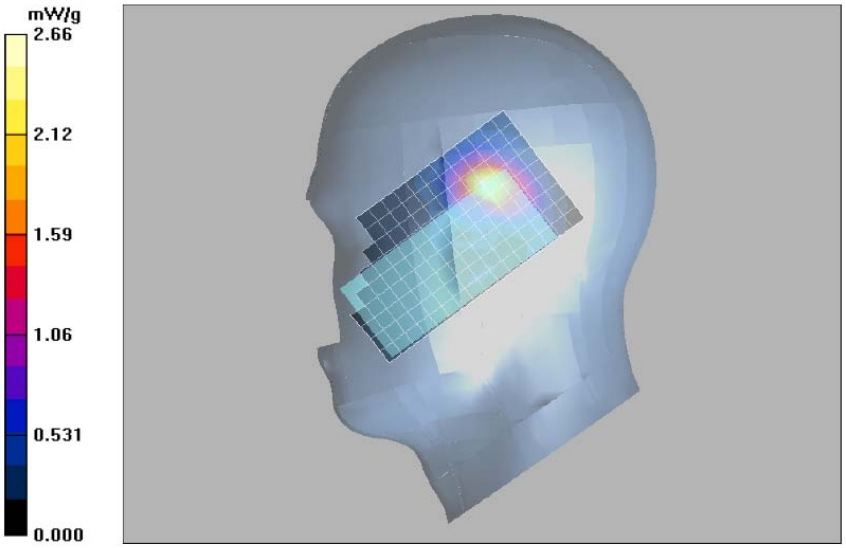
Comments:

Probe: EX3DV3 - SN3527, Calibrated: 5/17/2007, ConvF(5.27, 5.27, 5.27)
Electronics: DAE3 Sn363, Calibrated: 4/24/2007
Duty Cycle: 1:1, Medium parameters used: f = 5250 MHz; σ = 4.53 mho/m; ε_r = 34.4; ρ = 1000 kg/m3

Right Ear-Touch position/8x8x8 Zoom Scan (8x8x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 15.8 V/m; Power Drift = -0.483 dB
Peak SAR (extrapolated) = 4.92 W/kg
SAR(1 g) = 1.44 mW/g; SAR(10 g) = 0.568 mW/g
Maximum value of SAR (measured) = 2.60 mW/g

Right Ear-Touch position/Area Scan (91x161x1): Measurement grid: dx=9mm, dy=9mm
Reference Value = 15.8 V/m; Power Drift = -0.483 dB
Motorola Fast SAR: SAR(1 g) = 3.85 mW/g; SAR(10 g) = 7.89 mW/g
Maximum value of SAR (interpolated) = 2.76 mW/g

Right Ear-Touch position/Z Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 2.75 mW/g



Motorola Government & Public Safety EME Laboratory

Date/Time: 3/17/2008 9:38:19 AM

Robot# / Run#: DASY4-FL-1 / JsT-Rear-080317-02
Phantom# / Tissue Temp.: SAMTP1022 / 21.1 (C)
DUT Model# / Serial#: F2978A / 079SJA00HN
Antenna / TX Freq.: 0789971V87 (Internal) / 5260 (MHz)
Battery: SNN5754A w/ 0189968V78
Carry Acc. / Cable Acc.: None / None
Start Power: 0.080 (W)

Note all 5GHz DASY SAR results were corrected for deviations in permittivity and conductivity, using the algorithm given in Annex B.3 of draft standard IEEE 1528b and Annex F of draft standard IEC 62209-2. The use of this algorithm increases the accuracy of the SAR results.
Therefore;

SAR Calculated: 1.426 mW/g (1g); 0.561 mW/g (10g)

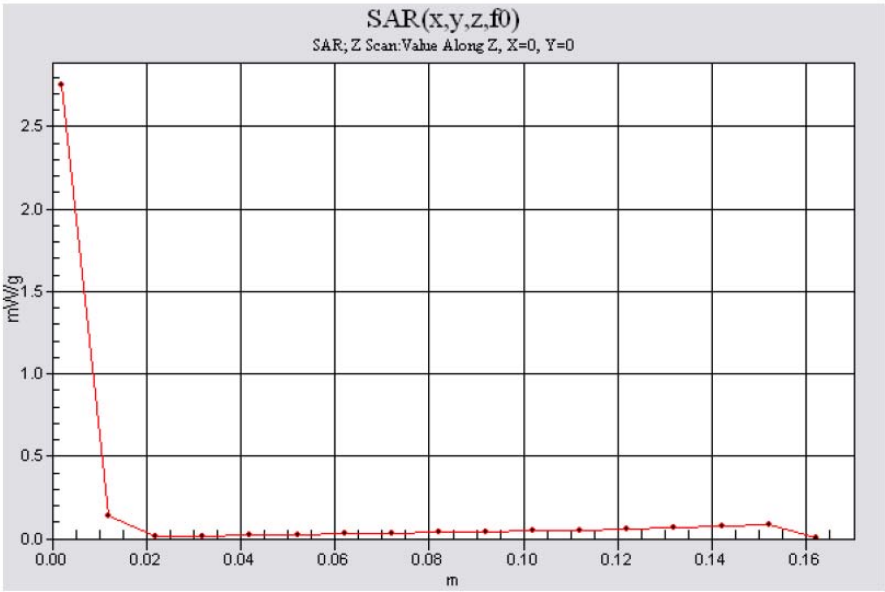
Comments:

Probe: EX3DV3 - SN3527, Calibrated: 5/17/2007, ConvF(5.27, 5.27, 5.27)
Electronics: DAE3 Sn363, Calibrated: 4/24/2007
Duty Cycle: 1:1, Medium parameters used: f = 5250 MHz; σ = 4.53 mho/m; ε_r = 34.4; ρ = 1000 kg/m3

Right Ear-Touch position/8x8x8 Zoom Scan (8x8x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 15.8 V/m; Power Drift = -0.483 dB
Peak SAR (extrapolated) = 4.92 W/kg
SAR(1 g) = 1.44 mW/g; SAR(10 g) = 0.568 mW/g
Maximum value of SAR (measured) = 2.60 mW/g

Right Ear-Touch position/Area Scan (91x161x1): Measurement grid: dx=9mm, dy=9mm
Reference Value = 15.8 V/m; Power Drift = -0.483 dB
Motorola Fast SAR: SAR(1 g) = 3.85 mW/g; SAR(10 g) = 7.89 mW/g
Maximum value of SAR (interpolated) = 2.76 mW/g

Right Ear-Touch position/Z Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 2.75 mW/g



Motorola Government & Public Safety EME Laboratory

Date/Time: 3/17/2008 9:20:39 PM

Robot# / Run#: DASY4-FL-1 / MeC-Face-080317-14
Phantom# / Tissue Temp.: SAMTP1022 / 20.2 (C)
DUT Model# / Serial#: F2978A / 079SJA00HN
Antenna / TX Freq.: 0789971V87 (Internal) / 5260 (MHz)
Battery: SNN5754A w/ 0189968V78
Carry Acc. / Cable Acc.: None / None
Start Power: 0.082 (W)

Note all 5GHz DASY SAR results were corrected for deviations in permittivity and conductivity, using the algorithm given in Annex B.3 of draft standard IEEE 1528b and Annex F of draft standard IEC 62209-2. The use of this algorithm increases the accuracy of the SAR results.
Therefore;

SAR Calculated: 0.219 mW/g (1g); 0.102 mW/g (10g)

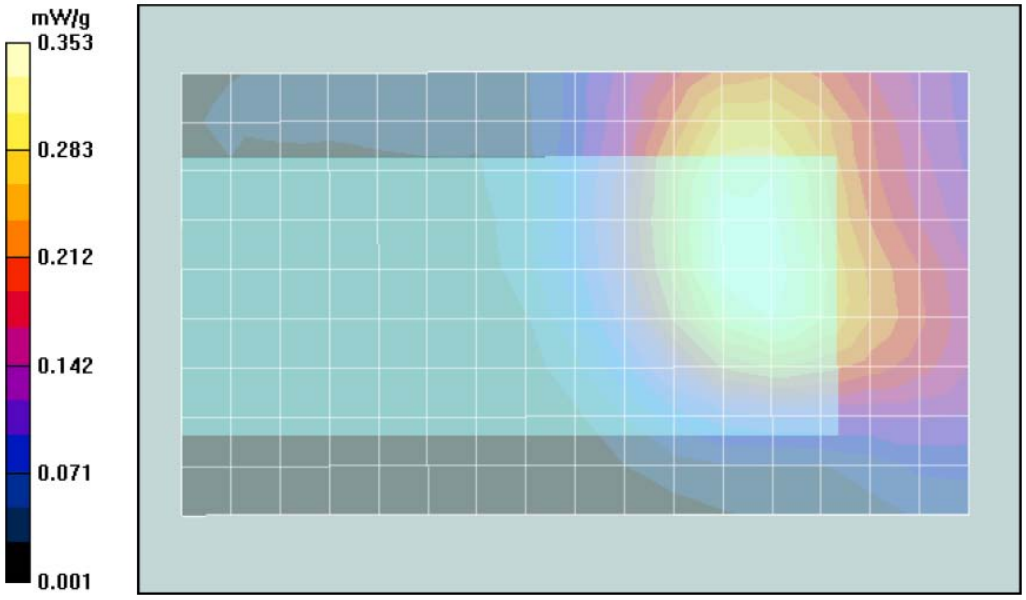
Comments:

Probe: EX3DV3 - SN3527, Calibrated: 5/17/2007, ConvF(5.27, 5.27, 5.27)
Electronics: DAE3 Sn363, Calibrated: 4/24/2007
Duty Cycle: 1:1, Medium parameters used: f = 5250 MHz; σ = 4.53 mho/m; ε_r = 34.4; ρ = 1000 kg/m3

Face Scan/8x8x8 Zoom Scan (8x8x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 9.10 V/m; Power Drift = -0.119 dB
Peak SAR (extrapolated) = 0.683 W/kg
SAR(1 g) = 0.221 mW/g; SAR(10 g) = 0.103 mW/g
Maximum value of SAR (measured) = 0.353 mW/g

Face Scan/Area Scan (91x161x1): Measurement grid: dx=9mm, dy=9mm
Reference Value = 9.10 V/m; Power Drift = -0.119 dB
Motorola Fast SAR: SAR(1 g) = 0.528 mW/g; SAR(10 g) = 1.29 mW/g
Maximum value of SAR (interpolated) = 0.362 mW/g

Face Scan/Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 0.356 mW/g



Motorola Government & Public Safety EME Laboratory

Date/Time: 3/17/2008 9:20:39 PM

Robot# / Run#: DASY4-FL-1 / MeC-Face-080317-14
Phantom# / Tissue Temp.: SAMTP1022 / 20.2 (C)
DUT Model# / Serial#: F2978A / 079SJA00HN
Antenna / TX Freq.: 0789971V87 (Internal) / 5260 (MHz)
Battery: SNN5754A w/ 0189968V78
Carry Acc. / Cable Acc.: None / None
Start Power: 0.082 (W)

Note all 5GHz DASY SAR results were corrected for deviations in permittivity and conductivity, using the algorithm given in Annex B.3 of draft standard IEEE 1528b and Annex F of draft standard IEC 62209-2. The use of this algorithm increases the accuracy of the SAR results.
Therefore;

SAR Calculated: 0.219 mW/g (1g); 0.102 mW/g (10g)

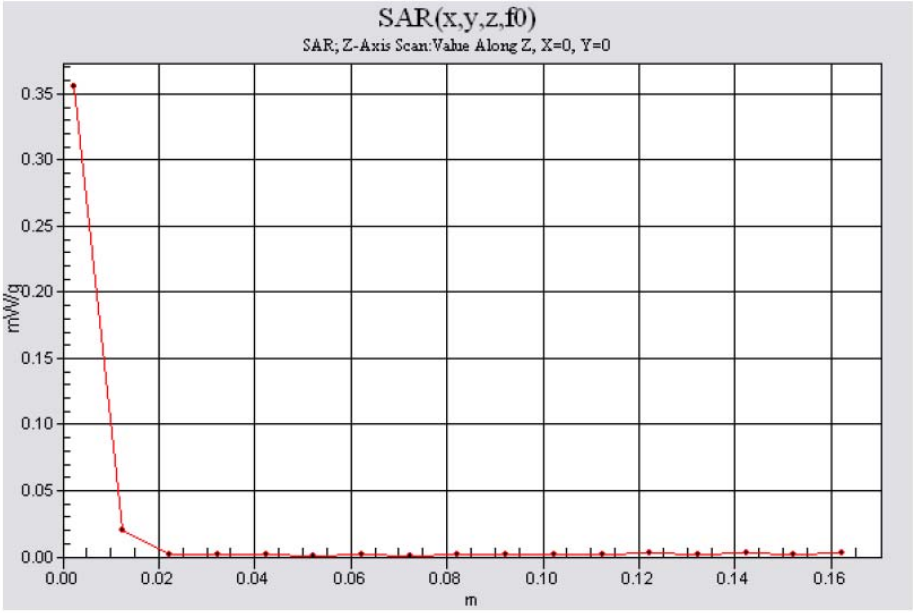
Comments:

Probe: EX3DV3 - SN3527, Calibrated: 5/17/2007, ConvF(5.27, 5.27, 5.27)
Electronics: DAE3 Sn363, Calibrated: 4/24/2007
Duty Cycle: 1:1, Medium parameters used: f = 5250 MHz; σ = 4.53 mho/m; ε_r = 34.4; ρ = 1000 kg/m3

Face Scan/8x8x8 Zoom Scan (8x8x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 9.10 V/m; Power Drift = -0.119 dB
Peak SAR (extrapolated) = 0.683 W/kg
SAR(1 g) = 0.221 mW/g; SAR(10 g) = 0.103 mW/g
Maximum value of SAR (measured) = 0.353 mW/g

Face Scan/Area Scan (91x161x1): Measurement grid: dx=9mm, dy=9mm
Reference Value = 9.10 V/m; Power Drift = -0.119 dB
Motorola Fast SAR: SAR(1 g) = 0.528 mW/g; SAR(10 g) = 1.29 mW/g
Maximum value of SAR (interpolated) = 0.362 mW/g

Face Scan/Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 0.356 mW/g

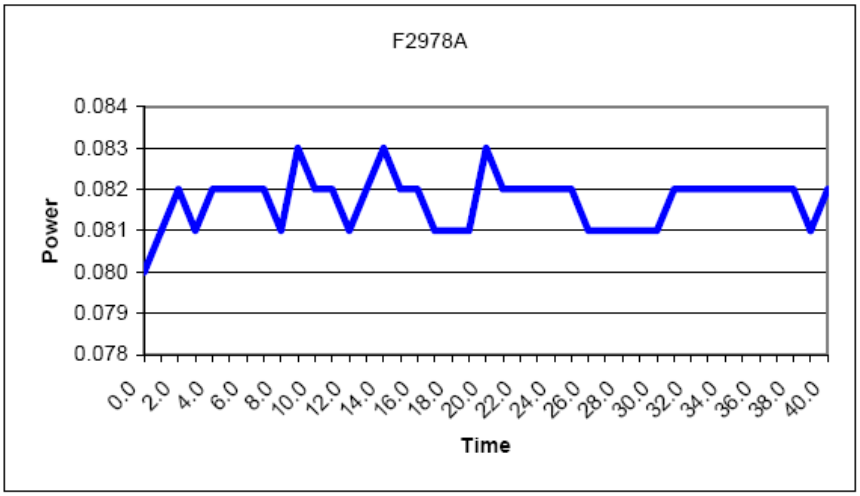


APPENDIX F
DUT Supplementary Data (Power slump)

Model # F2978A
Serial # 079SJA00HN

Battery	# SNN5754A	**Transmit Mode**	CW (BW 6Mbps)
Frequency	5260 MHz	**Audio Accessory**	NNTN5211B
Date	3/21/2008		

TX TIME (Minutes)	Meaured Power (Watts)
0.0	0.080
1.0	0.081
2.0	0.082
3.0	0.081
4.0	0.082
5.0	0.082
6.0	0.082
7.0	0.082
8.0	0.081
9.0	0.083
10.0	0.082
11.0	0.082
12.0	0.081
13.0	0.082
14.0	0.083
15.0	0.082
16.0	0.082
17.0	0.081
18.0	0.081
19.0	0.081
20.0	0.083
21.0	0.082
22.0	0.082
23.0	0.082
24.0	0.082
25.0	0.082
26.0	0.081
27.0	0.081
28.0	0.081
29.0	0.081
30.0	0.081
31.0	0.082
32.0	0.082
33.0	0.082
34.0	0.082
35.0	0.082
36.0	0.082
37.0	0.082
38.0	0.082
39.0	0.081
40.0	0.082



Appendix G
DUT Test Position Photos

Photos are available in Exhibit 7B

Appendix H
DUT Photos

The sample that was used in the following photos represents the product used to obtain the results presented herein.

Photos are available in Exhibit 7B

Appendix I

DUT Antenna Separation Distances and Offered Accessory Test Status

The following table(s) summarizes the separation distances and test status provided by each of the applicable accessory(ies):

Audio Acc. Models	Tested ?	Separation distances between DUT antenna and phantom surface. (mm)	Comments
NNTN5006BP	Yes	NA	NA
NNTN5004BP	No	NA	Similar to NNTN5005BP
SYN1301B	No	NA	Similar to SYN0896B
NNTN5774C	Yes	NA	NA
SYN0896B	Yes	NA	NA
NNTN5689A	Yes	NA	NA
NNTN5211B	Yes	NA	NA
NNTN5005BP	Yes	NA	NA

Data cable Models	Tested ?	Separation distances between DUT antenna and phantom surface. (mm)	Comments
SKN6371C	Yes	NA	NA
SKN6222A	Yes	NA	NA