



Certificate Number: 1449-01

**FCC ID: AZ489FT5843  
DECLARATION OF COMPLIANCE SAR ASSESSMENT Part 3 of 3**

**Government & Enterprise Mobility Solutions  
EME Test Laboratory  
8000 West Sunrise Blvd  
Fort Lauderdale, FL. 33322**

**Date of Report:** May 17, 2005  
**Report Revision:** Rev. A  
**Report ID:** FCC rpt\_i930\_Rev A\_050517  
SR2035

**Responsible Engineer:** Kim Uong (EME lead Eng.)  
**Date/s Tested:** 4/9/05-5/4/05  
**Manufacturer/Location:** Motorola - Plantation  
**Sector/Group/Div.:** iDEN Subscriber  
**Date submitted for test:** 3/28/05  
**DUT Description:** i930; Tri-band GSM(Voice and GPRS Data) and dual band iDEN (Voice/WiDEN), GPS capable  
**Test TX mode(s):** iDEN - 1:3, 1:6, 236:310, 81:120; GSM - 1:8, 1:4  
**Max. Power output:** iDEN 800/900MHz - 0.640W pulsed avg., GSM 900 – 1.905W pulsed avg., GSM 1800/1900 – 0.962W  
**Nominal Power:** iDEN 800/900MHz - 0.600W, GSM 900 1.5W; GSM1800/1900MHz – 0.750W  
**Tx Frequency Bands:** iDEN - 806-825, 896-902MHz; GSM – 880.2-914.8MHz, 1710.2-1784.8MHz, 1850.2-1909.8MHz  
**Signaling type:** TDMA: iDEN/WiDEN; GSM 1999 spec  
**Model(s) Tested:** H72UAH9JR7AN  
**Model(s) Certified:** H72UAH9JR7AN  
**Serial Number(s):** 805AFC0016, 805AFC0013  
**Classification:** General Population/Uncontrolled  
**Rule Part(s):** 15  
**Approved Accessories:**  
**Antenna(s):** 8585524F01 (retractable ¼ wave antenna, 806-825MHz (-2.44dBd); 896-902MHz (-2.77dBd); 880-915Mhz (-0.6dBi); retractable ½ wave antenna, 1710-1785MHz (-0.12dBi); 1850-1910MHz (0.58dBi)  
**Battery(ies):** SNN5706B (Extra capacity Li Ion); SNN5685A (High performance battery); NTN2136A (Hi performance battery door); NTN2261A (Slim battery door)  
**Body worn accessory(ies):** NNTN4758A (Holster); NNTN4747A (Belt clip)  
**Audio/Data cable accessory(ies):** NNTN5006A (PTT headset earbud), NNTN5005A (PTT headset over head), NSN6066A (RSM), SYN8390B (Earbud w/ mic.), NTN8496A (Lightweight headset w/ mic), NNTN4033A (Privacy earbud w/ PTT), SYN7875C (Hearing aide neckloop), NNTN5004A (PTT headset over ear), NNTN5774A (Stereo headset), SYN8146C (Over the ear headset w/ boom mic), NTN8513B (Lightweight headset), NNTN5211A (Surveillance earpiece); NKN6559A (USB data cable), NKN6560A (RS232 data cable), NNTN5405A (USB data cable w/ charging), NNTN5406A (RS232 data cable w/ charging), NNTN5491A (Keyboard), NNTN5863A (Keypad adapter), NNTN5494A (Gamer w/ keypad)



**Max. Calc. 1-g/10-g Avg. SAR: 1.21/0.89 mW/g (Body)  
Max. Calc. 1-g/10-g Avg. SAR: 0.07/0.05 mW/g (Face)  
Max. Calc. 1-g/10-g Avg. SAR: 0.87/0.58 mW/g (Head)**

Based on the information and the testing results provided herein, the undersigned certifies that when used as stated in the operating instructions supplied, said product complies with the national and international reference standards and guidelines listed in section 2.0 of this report. This report shall not be reproduced without written approval from an officially designated representative of the Motorola EME Laboratory.  
This reporting format is consistent with the test report guidelines of the TIA TSB-150 December 2004  
The results and statements contained in this report pertain only to the device(s) evaluated.

**Ken Enger GEMS EME Lab Senior Resource Manager,  
Laboratory Director,**

**Approval Date:**

**Certification Date: 5/12/05**

**Certification No.: L1050507P**

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

### Shortened Scan Results

**Motorola GEMS EME Laboratory**

**FCC ID: AZ489FT5843; Test Date: 5/03/05**

Run #: 050503-08 Test operator: C. Miller

Sim. Tissue Temp: 21.4 (C)

Model #: H72UAH9JR7AN SN: 805AFC0016

Start power: 1.88 W

Antenna: IN TX Freq: 897.4000 MHz

Battery: SNN5685A w/NTN2136MOTA

Carry acc.: NNTN4747A Audio/Data acc.: NONE

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

**Shortened scan reflect highest S.A.R. producing configuration; Run time 6 minutes.**

**Representative “normal” scan run time was 22 minutes**

**“Shortened” scan max calculated S.A.R. using S.A.R. drift: 1-g Avg. = 1.21mW/g; 10-g Avg. = 0.89mW/g**

**“Normal” scan max calculated S.A.R. using S.A.R. drift: 1-g Avg. = 1.15mW/g; 10-g Avg. = 0.84mW/g**

**(see part 1 of 3 section 9.0 run # CM-Ab-R2-050425-05)**

Probe: ET3DV6 - SN1383, Calibrated: 2/24/2005, ConvF(6.03, 6.03, 6.03)

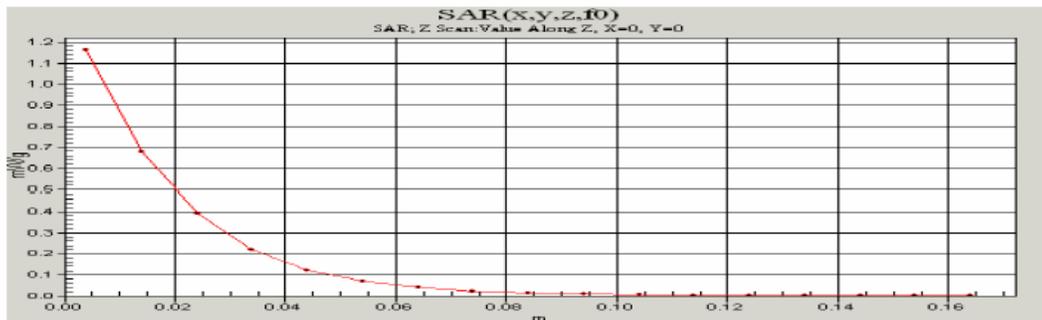
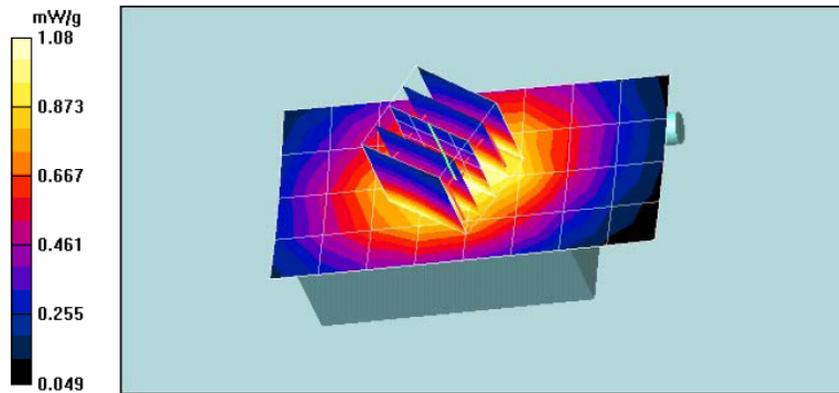
Duty Cycle: 1:4, Medium: 899 MHz FCC Body, Medium parameters used:  $\sigma = 1.05$ ; mho/m,  $\epsilon_r = 53.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Electronics: DAE3 Sn406, Calibrated: 11/17/2004

**Body template/5x5x7 Zoom Scan (5x5x5)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=7.5mm**

Reference Value = 30.7 V/m; Power Drift = -0.246 dB

**SAR(1 g) = 1.13 mW/g; SAR(10 g) = 0.829 mW/g**



### Highest SAR Configurations Results

#### Motorola GEMS EME Laboratory

FCC ID: AZ489FT5843; Test Date: 4/13/05

Run #: 050413-04 Test operator: C. Miller

Sim. Tissue Temp: 22.2 (C)

Model #: H72UAH9JR7AN SN: 805AFC0016

Start power: 0.628 W

Antenna: IN TX Freq: 896.01875 MHz

Battery: SNN5706B w/NTN2261A

Carry acc.: NONE Audio/Data acc.: NONE

#### DUT in Right ear touch

Probe: ET3DV6 - SN1383, Calibrated: 2/24/2005, ConvF(6.35, 6.35, 6.35)

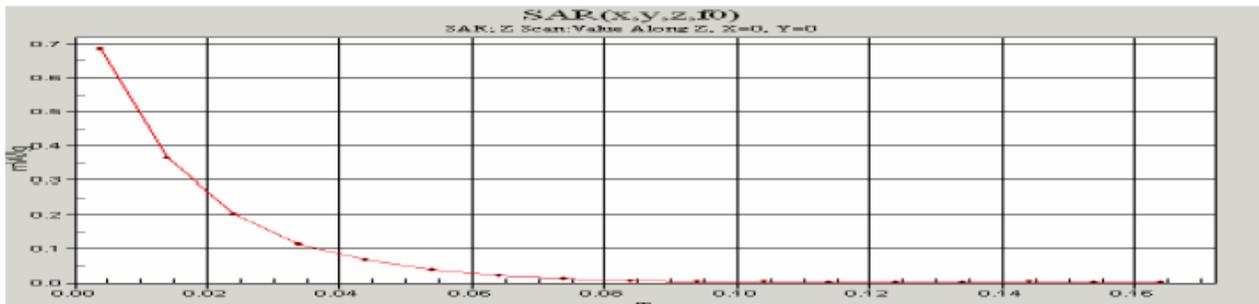
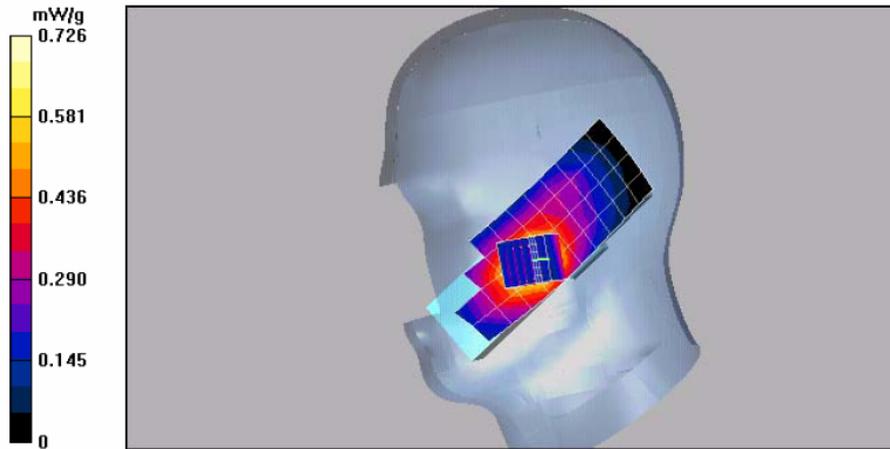
Duty Cycle: 1:3, Medium: 899 IEEE Head, Medium parameters used:  $\sigma = 1.01$ ; mho/m,  $\epsilon_r = 40.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Electronics: DAE3 Sn406, Calibrated: 11/17/2004

Right Ear - Touch position/7x7x7 Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 25.4 V/m; Power Drift = -0.00169 dB

SAR(1 g) = 0.665 mW/g; SAR(10 g) = 0.464 mW/g



**Motorola GEMS EME Laboratory**

**FCC ID: AZ489FT5843; Test Date: 4/13/05**

Run #: 050413-05 Test operator: C. Miller

Sim. Tissue Temp: 22.1 (C)

Model #: H72UAH9JR7AN SN: 805AFC0016

Start power: 0.610 W

Antenna: OUT TX Freq: 813.5125 MHz

Battery: SNN5706B w/NTN2261A

Carry acc.: NONE Audio/Data acc.: NONE

**DUT at right ear in Touch position**

Probe: ET3DV6 - SN1383, Calibrated: 2/24/2005, ConvF(6.6, 6.6, 6.6)

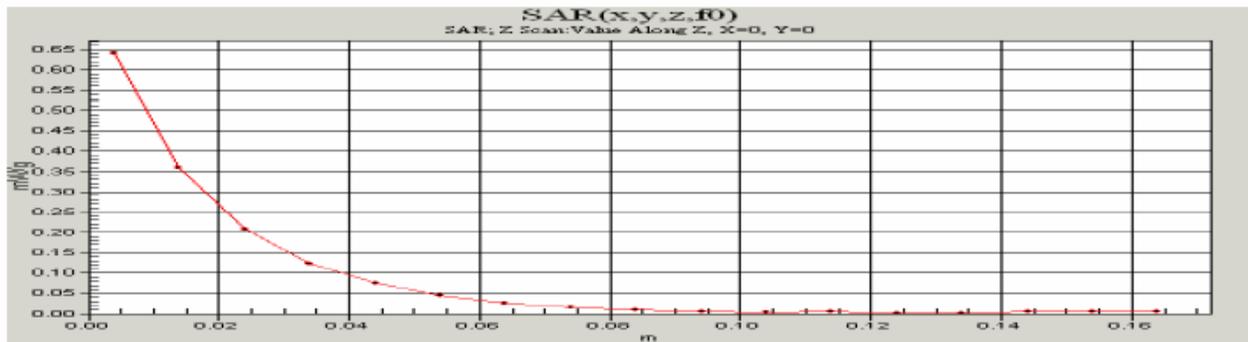
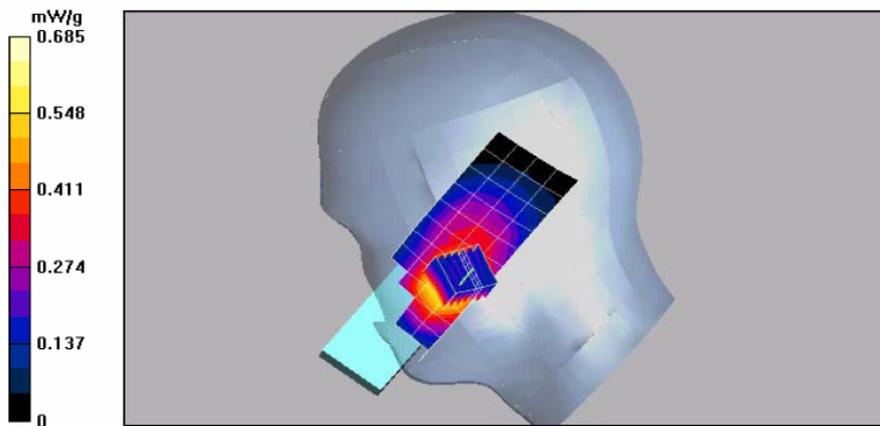
Duty Cycle: 1:3, Medium: 813 IEEE Head, Medium parameters used:  $\sigma = 0.93$ ; mho/m,  $\epsilon_r = 41.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Electronics: DAE3 Sn406, Calibrated: 11/17/2004

**Right Ear - Touch position/7x7x7 Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 24.2 V/m; Power Drift = 0.666 dB

**SAR(1 g) = 0.645 mW/g; SAR(10 g) = 0.453 mW/g**



**Motorola GEMS EME Laboratory**

**FCC ID: AZ489FT5843; Test Date: 4/19/05**

Run #: 050419-05 Test operator: C. Miller

Sim. Tissue Temp: 22.0 (C)

Model #: H72UAH9JR7AN SN: 805AFC0016

Start power: 0.638 W

Antenna: OUT TX Freq: 813.5125 MHz

Battery: SNN5706B w/NTN2261A

Carry acc.: NONE Audio/Data acc.: NONE

**DUT front at 2.5cm from the phantom w/ Flip closed**

Probe: ET3DV6 - SN1383, Calibrated: 2/24/2005, ConvF(6.6, 6.6, 6.6)

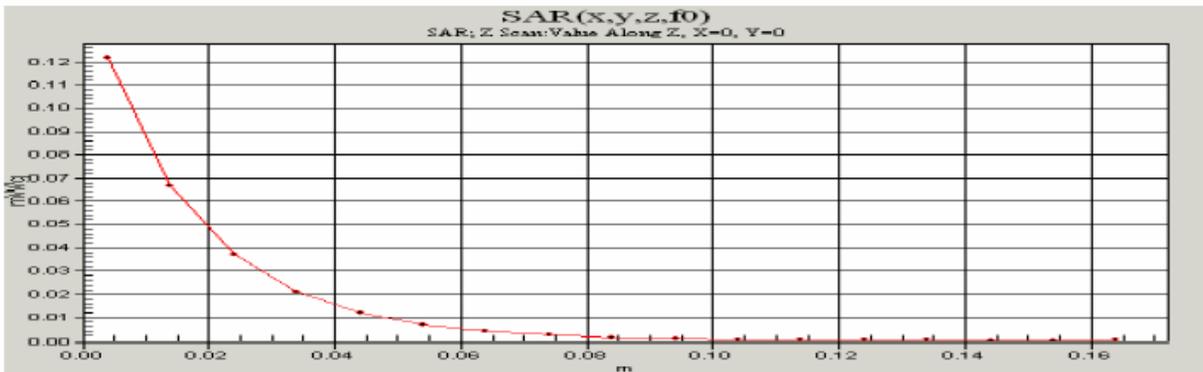
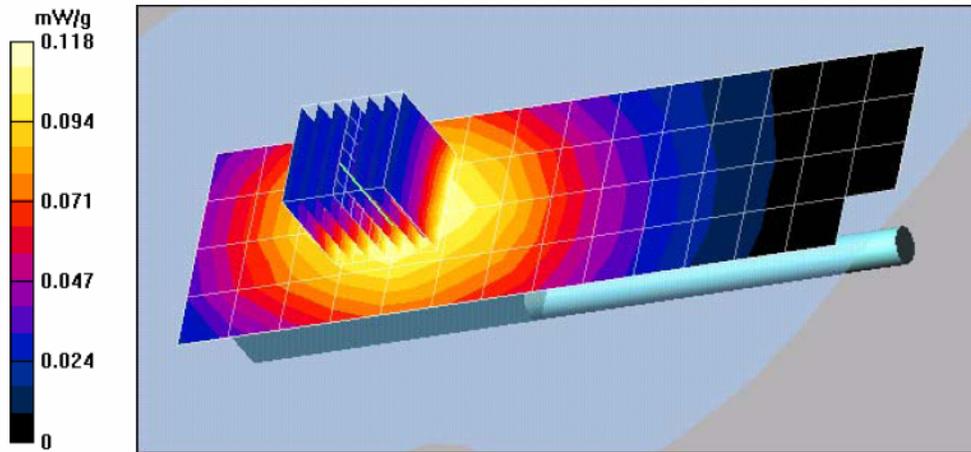
Duty Cycle: 1:6, Medium: 813 IEEE Head, Medium parameters used:  $\sigma = 0.93$ ; mho/m,  $\epsilon_r = 42.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Electronics: DAE3 Sn406, Calibrated: 11/17/2004

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

Reference Value = 10.8 V/m; Power Drift = 0.0466 dB

**SAR(1 g) = 0.116 mW/g; SAR(10 g) = 0.085 mW/g**



**Motorola GEMS EME Laboratory**

**FCC ID: AZ489FT5843; Test Date: 4/13/05**

Run #: 050413-06 Test operator: C. Miller

Sim. Tissue Temp: 22.1 (C)

Model #: H72UAH9JR7AN SN: 805AFC0016

Start power: 0.622 W

Antenna: IN TX Freq: 896.01875 MHz

Battery: SNN5706B w/NTN2261A

Carry acc.: NONE Audio/Data acc.: NONE

**DUT with front 2.5cm separation from the phantom w/ Flip closed**

Probe: ET3DV6 - SN1383, Calibrated: 2/24/2005, ConvF(6.35, 6.35, 6.35)

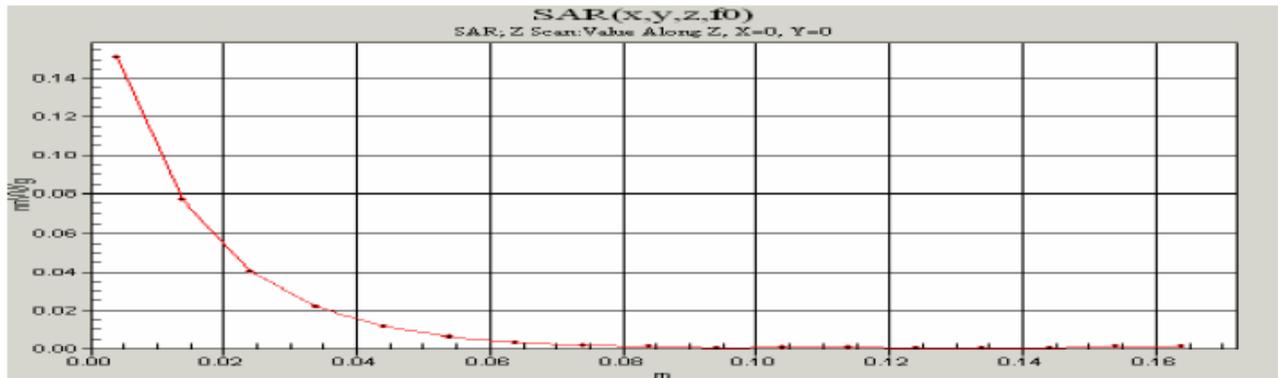
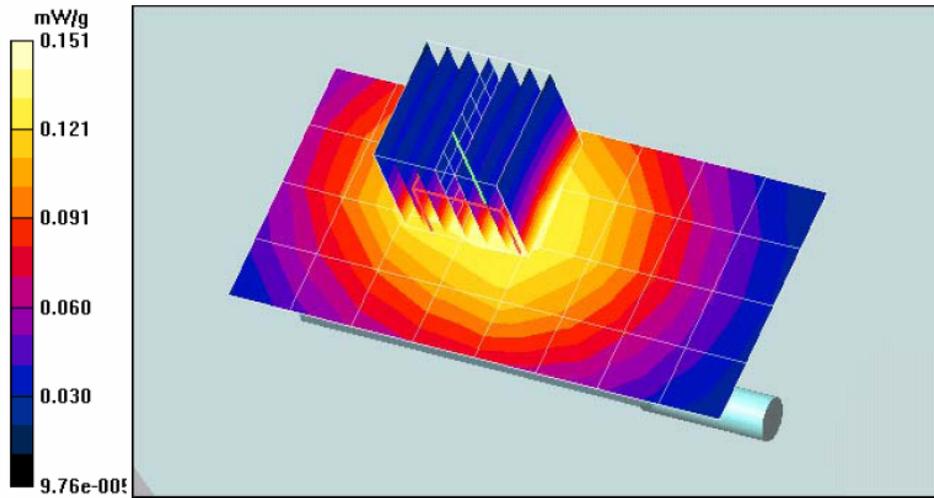
Duty Cycle: 1:6, Medium: 899 IEEE Head, Medium parameters used:  $\sigma = 1.01$ ; mho/m,  $\epsilon_r = 40.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Electronics: DAE3 Sn406, Calibrated: 11/17/2004

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

Reference Value = 11 V/m; Power Drift = -0.0953 dB

**SAR(1 g) = 0.139 mW/g; SAR(10 g) = 0.099 mW/g**



**Motorola GEMS EME Laboratory**

**FCC ID: AZ489FT5843; Test Date: 5/3/05**

Run #: 050503-02 Test operator: C. Miller

Sim. Tissue Temp: 21.5 (C)

Model #: H72UAH9JR7AN SN: 805AFC0016

Start power: 0.625 W

Antenna: OUT TX Freq: 806.0125 MHz

Battery: SNN5685A w/NTN2136MOTA

Carry acc.: NNTN4747A Audio/Data acc.: NONE

**Comments: DUT with carry accessory against the phantom**

Probe: ET3DV6 - SN1383, Calibrated: 2/24/2005, ConvF(6.3, 6.3, 6.3)

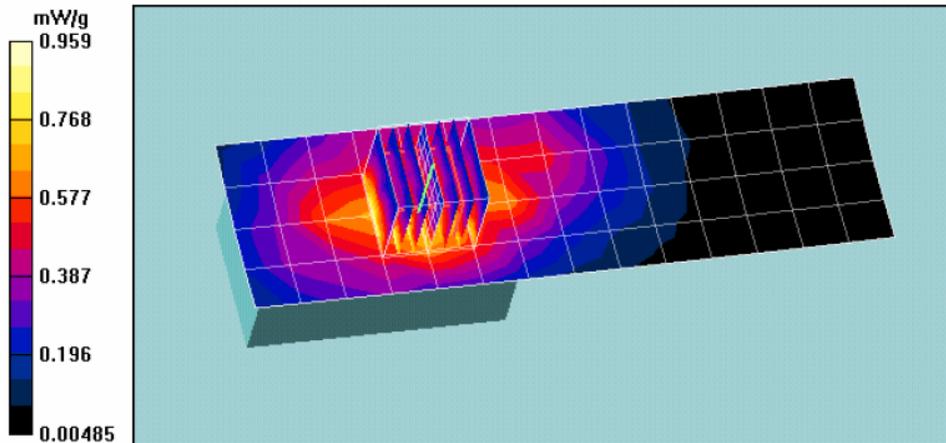
Duty Cycle: 1:1.33, Medium: 813 MHz FCC Body, Medium parameters used:  $\sigma = 0.96$ ; mho/m,  $\epsilon_r = 54.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Electronics: DAE3 Sn406, Calibrated: 11/17/2004

**Body template/7x7x7 Zoom Scan 2 (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 32.9 V/m; Power Drift = -0.162 dB

**SAR(1 g) = 0.963 mW/g; SAR(10 g) = 0.700 mW/g**



**Motorola GEMS EME Laboratory**

**FCC ID: AZ489FT5843; Test Date: 4/19/05**

Run #: 050419-02 Test operator: C. Miller

Sim. Tissue Temp: 22.1 (C)

Model #: H72UAH9JR7AN SN: 805AFC0016

Start power: 0.617 W

Antenna: IN TX Freq: 896.01875 MHz

Battery: SNN5685A w/NTN2136MOTA

Carry acc.: NNTN4747A Audio/Data acc.: NONE

**Comments: DUT with carry accessory against the phantom**

Probe: ET3DV6 - SN1383, Calibrated: 2/24/2005, ConvF(6.03, 6.03, 6.03)

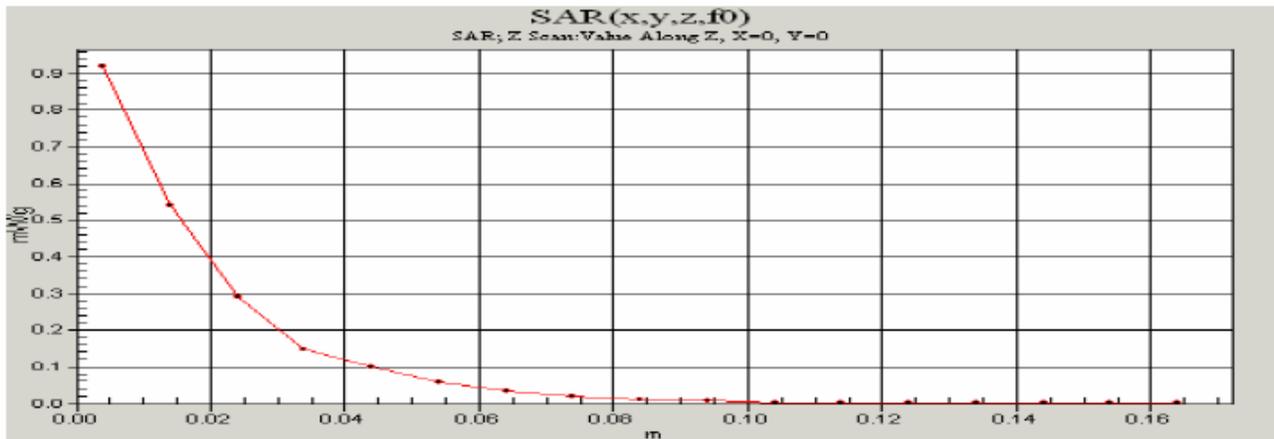
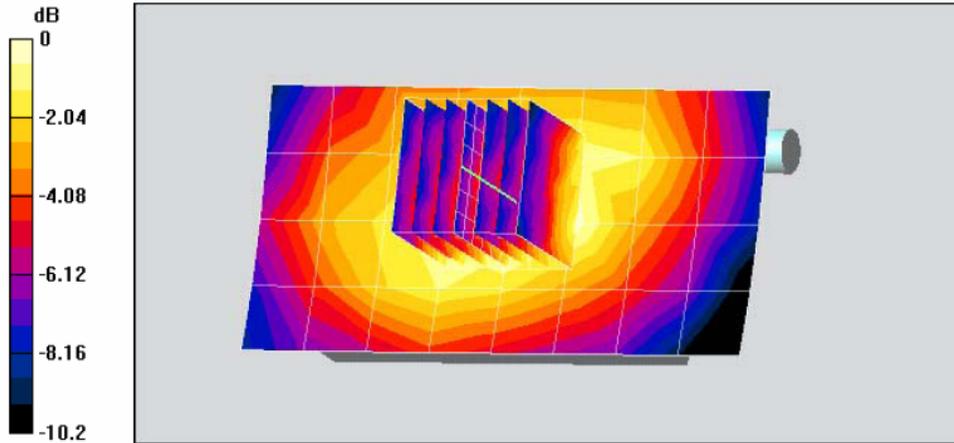
Duty Cycle: 1:1.33, Medium: 899 MHz FCC Body, Medium parameters used:  $\sigma = 1.04$ ; mho/m,  $\epsilon_r = 52.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Electronics: DAE3 Sn406, Calibrated: 11/17/2004

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

Reference Value = 30.1 V/m; Power Drift = -0.82 dB

**SAR(1 g) = 0.901 mW/g; SAR(10 g) = 0.643 mW/g**



**Motorola GEMS EME Laboratory**

**FCC ID: AZ489FT5843; Test Date: 5/4/05**

Run #: 050504-02 Test operator: K. Uong

Sim. Tissue Temp: 21.0 (C)

Model #: H72UAH9JR7AN SN: 805AFC0013

Start power: 1.99 W

Antenna: IN TX Freq: 897.4 MHz

Battery: SNN5685A w/ NTN2136MOTA

Carry acc.: NONE Audio/Data acc.: NONE

**DUT at the right ear in touch position**

Probe: ET3DV6 - SN1383, Calibrated: 2/24/2005, ConvF(6.35, 6.35, 6.35)

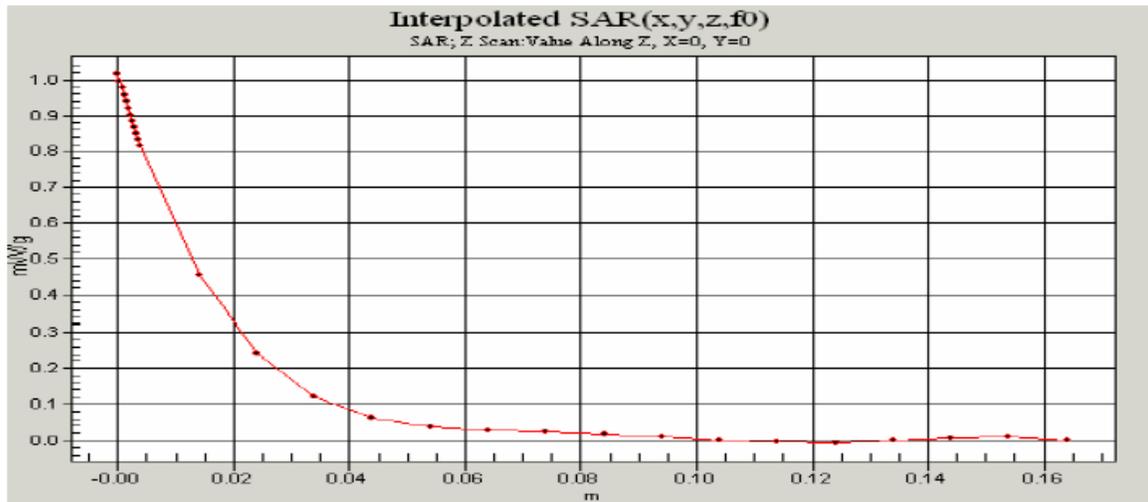
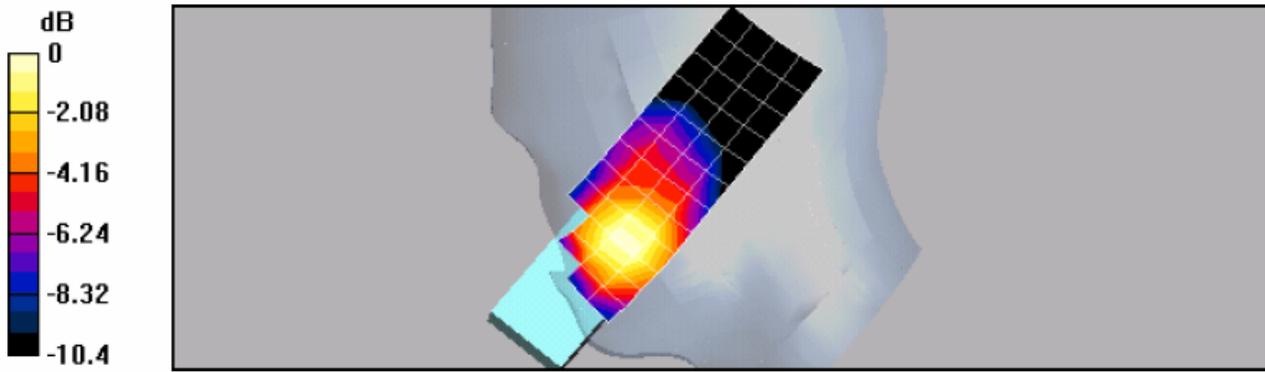
Duty Cycle: 1:8, Medium: 899 IEEE Head, Medium parameters used:  $\sigma = 1.01$ ; mho/m,  $\epsilon_r = 41.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Electronics: DAE3 Sn406, Calibrated: 11/17/2004

**Right Ear - Touch position/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 29.6 V/m; Power Drift = -0.233 dB

**SAR(1 g) = 0.820 mW/g; SAR(10 g) = 0.554 mW/g**



**Motorola GEMS EME Laboratory**

**FCC ID: AZ489FT5843; Test Date: 4/25/05**

Run #: 050425-05 Test operator: C. Miller

Sim. Tissue Temp: 21.9 (C)

Model #: H72UAH9JR7AN SN: 805AFC0016

Start power: 1.91 W

Antenna: IN TX Freq: 897.4000 MHz

Battery: SNN5685A w/NTN2136MOTA

Carry acc.: NNTN4747A Audio/Data acc.: NONE

**DUT with carry accessory against the phantom**

Probe: ET3DV6 - SN1383, Calibrated: 2/24/2005, ConvF(6.03, 6.03, 6.03)

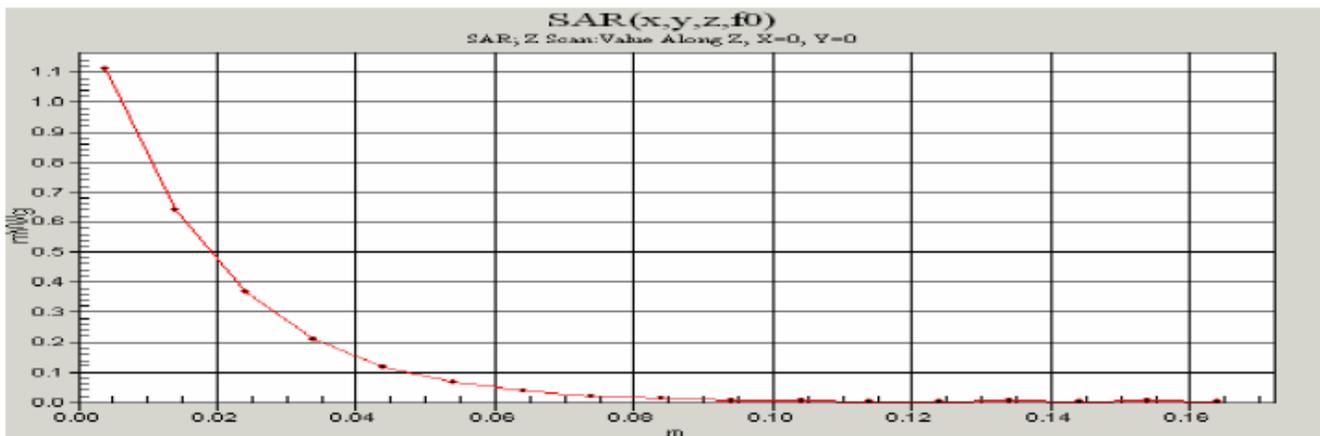
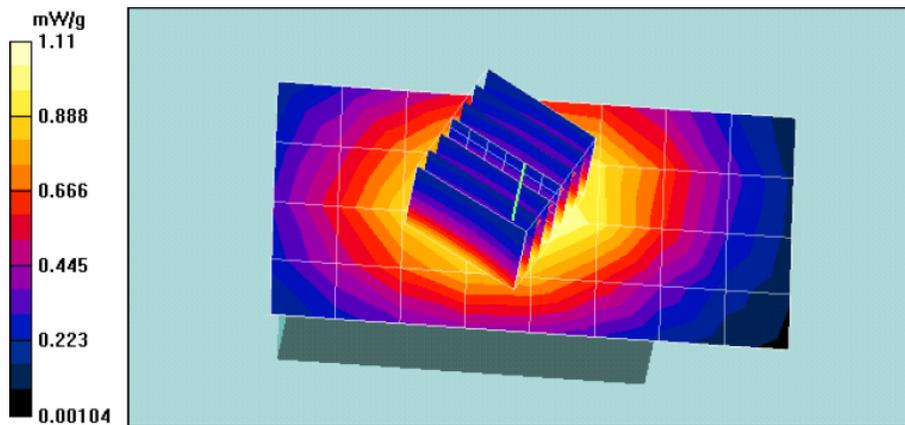
Duty Cycle: 1:4, Medium: 899 MHz FCC Body, Medium parameters used:  $\sigma = 1.04$ ; mho/m,  $\epsilon_r = 52.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Electronics: DAE3 Sn406, Calibrated: 11/17/2004

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

Reference Value = 31 V/m; Power Drift = -0.325 dB

**SAR(1 g) = 1.07 mW/g; SAR(10 g) = 0.779 mW/g**



**Motorola GEMS EME Laboratory**

**FCC ID: AZ489FT5843; Test Date: 4/27/05**

Run #: 050427-10 Test operator: C. Miller

Sim. Tissue Temp: 21.6 (C)

Model #: H72UAH9JR7AN SN: 805AFC0016

Start power: 0.950 W

Antenna: IN TX Freq: 1850.2 MHz

Battery: SNN5685A w/ NTN2136MOTA

Carry acc.: NONE Audio/Data acc.: NONE

**DUT at the right ear in touch position**

Probe: ET3DV6 - SN1383, Calibrated: 2/24/2005, ConvF(5.26, 5.26, 5.26)

Duty Cycle: 1:8, Medium: 1880 IEEE Head, Medium parameters used:  $\sigma = 1.42$ ; mho/m,  $\epsilon_r = 38.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

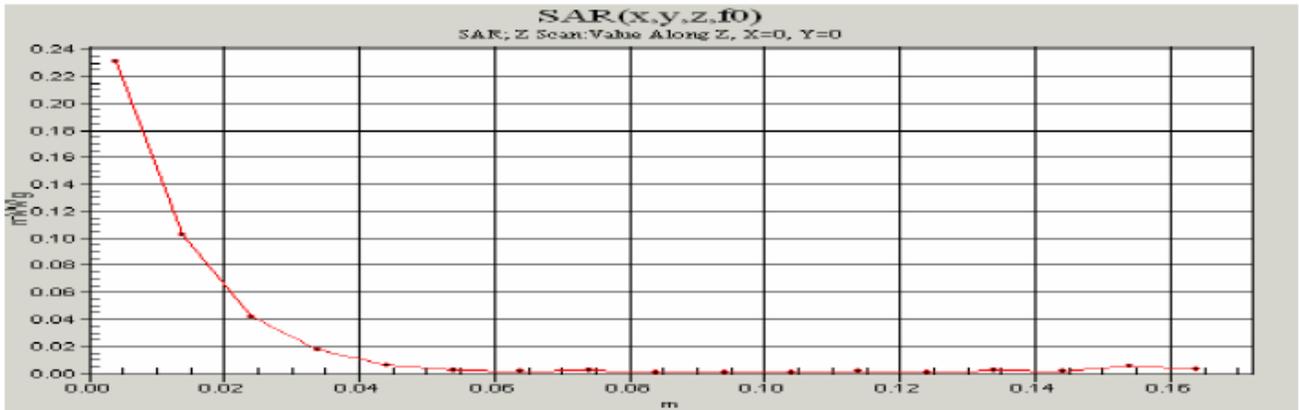
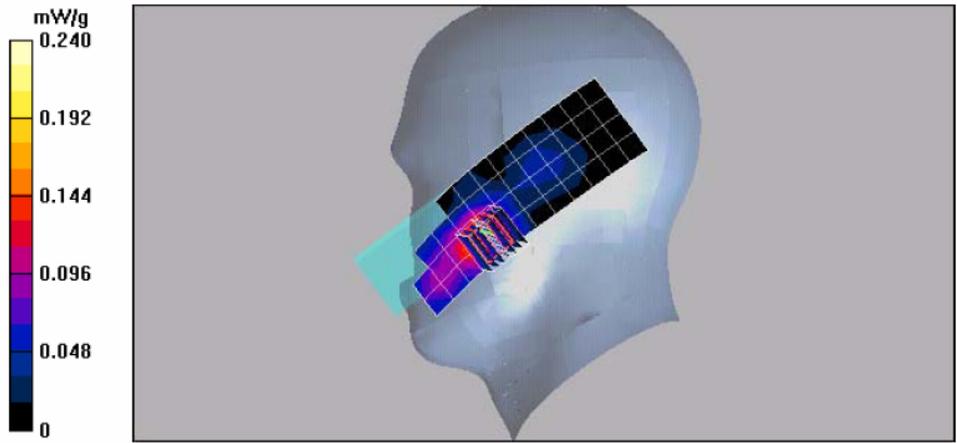
Electronics: DAE3 Sn406, Calibrated: 11/17/2004

**Right Ear - Touch position/7x7x7 Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.6 V/m; Power Drift = -0.0451 dB

Peak SAR (extrapolated) = 0.335 W/kg

**SAR(1 g) = 0.219 mW/g; SAR(10 g) = 0.124 mW/g**



**Motorola GEMS EME Laboratory**

**FCC ID: AZ489FT5843; Test Date: 4/27/05**

Run #: 050427-09 Test operator: C. Miller

Sim. Tissue Temp: 21.6 (C)

Model #: H72UAH9JR7AN SN: 805AFC0016

Start power: 0.953 W

Antenna: IN TX Freq: 1784.8 MHz

Battery: SNN5685A w/ NTN2136MOTA

Carry acc.: NONE Audio/Data acc.: NONE

**DUT at the right ear in touch position**

Probe: ET3DV6 - SN1383, Calibrated: 2/24/2005, ConvF(5.26, 5.26, 5.26)

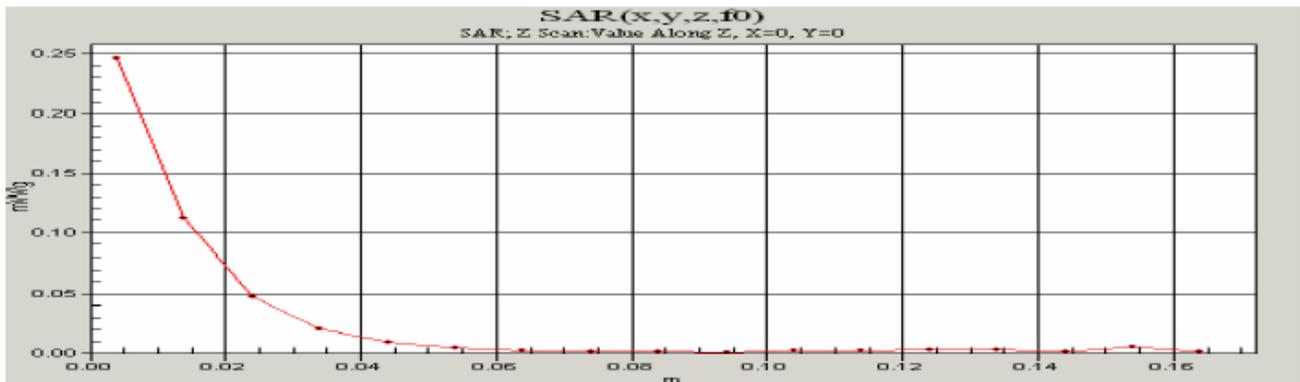
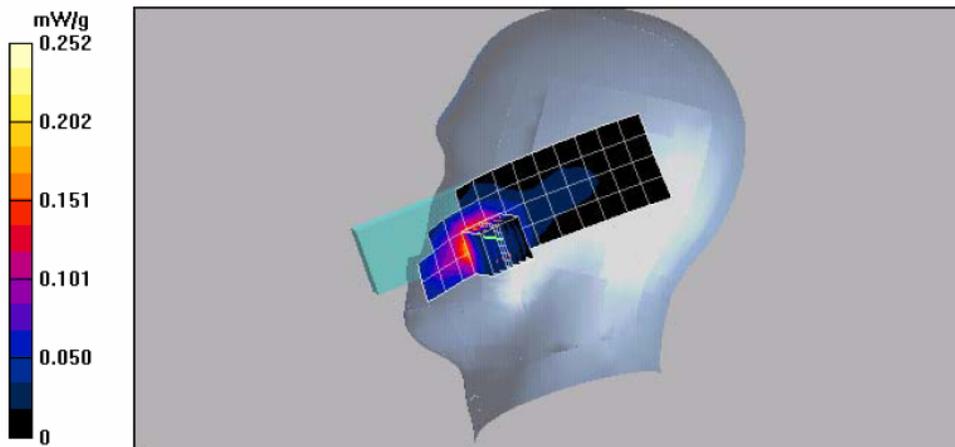
Duty Cycle: 1:8, Medium: 1747 IEEE Head, Medium parameters used:  $\sigma = 1.31$ ; mho/m,  $\epsilon_r = 38.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Electronics: DAE3 Sn406, Calibrated: 11/17/2004

**Right Ear - Touch position/7x7x7 Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 14.8 V/m; Power Drift = -0.0956 dB

**SAR(1 g) = 0.245 mW/g; SAR(10 g) = 0.144 mW/g**



**Motorola GEMS EME Laboratory**

**FCC ID: AZ489FT5843; Test Date: 5/02/05**

Run #: 050502-02 Test operator: C. Miller

Sim. Tissue Temp: 21.8 (C)

Model #: H72UAH9JR7AN SN: 805AFC0016

Start power: 0.996 W

Antenna: IN TX Freq: 1880.0 MHz

Battery: SNN5685A w/NTN2136MOTA

Carry acc.: NNTN4747A Audio/Data acc.: NNTN5491A

**DUT with carry accessory against the phantom**

Probe: ET3DV6 - SN1383, Calibrated: 2/24/2005, ConvF(4.71, 4.71, 4.71)

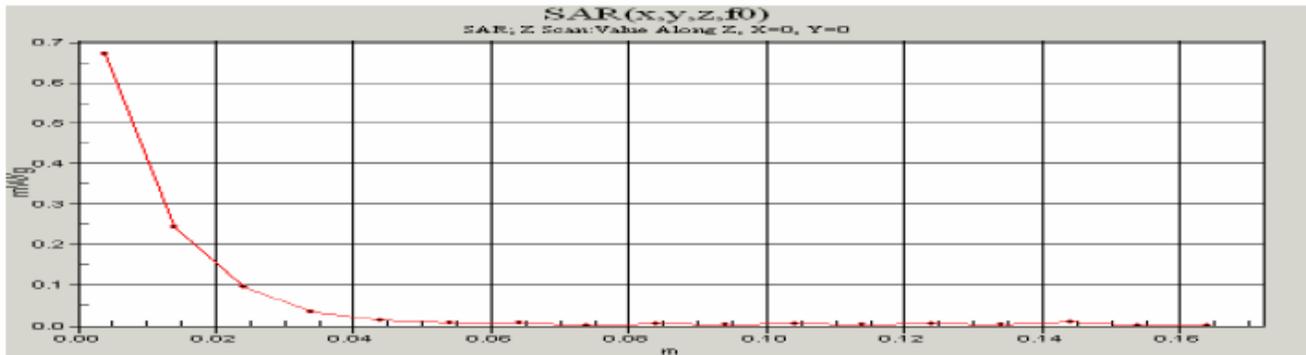
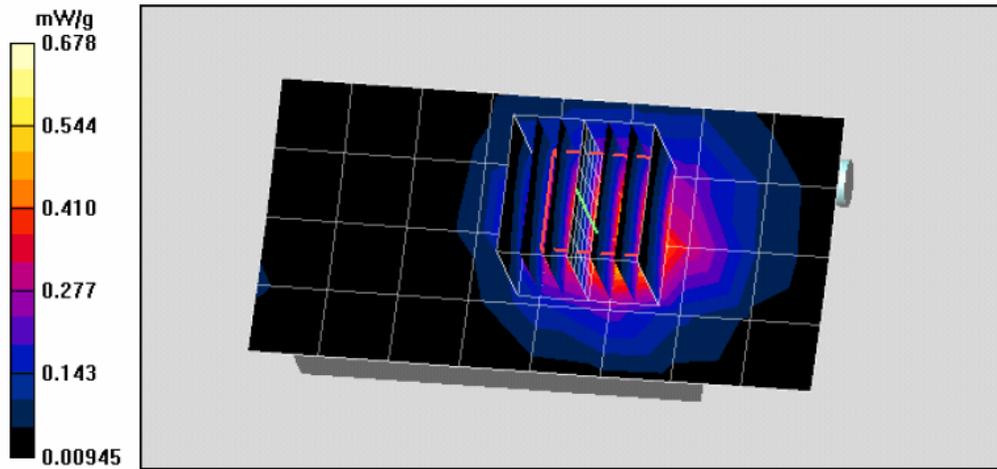
Duty Cycle: 1:4, Medium: 1880 FCC Body, Medium parameters used:  $\sigma = 1.59$ ; mho/m,  $\epsilon_r = 52.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Electronics: DAE3 Sn406, Calibrated: 11/17/2004

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

Reference Value = 9.24 V/m; Power Drift = -0.654 dB

**SAR(1 g) = 0.613 mW/g; SAR(10 g) = 0.331 mW/g**



**Motorola GEMS EME Laboratory**

**FCC ID: AZ489FT5843; Test Date: 5/02/05**

Run #: 050502-09 Test operator: C. Miller

Sim. Tissue Temp: 21.4 (C)

Model #: H72UAH9JR7AN SN: 805AFC0016

Start power: 0.985 W

Antenna: IN TX Freq: 1747.6 MHz

Battery: SNN5685A w/NTN2136MOTA

Carry acc.: NNTN4747A Audio/Data acc.: NONE

**DUT with carry accessory against the phantom**

Probe: ET3DV6 - SN1383, Calibrated: 2/24/2005, ConvF(4.71, 4.71, 4.71)

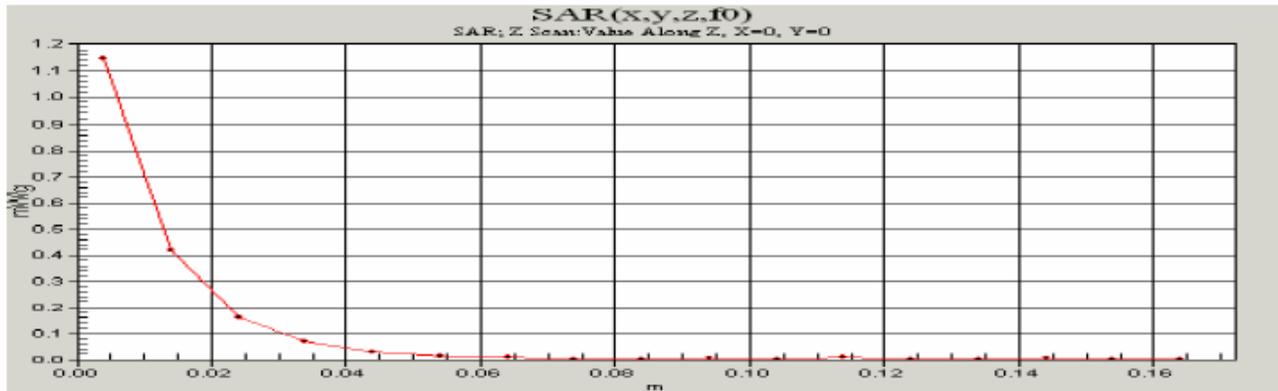
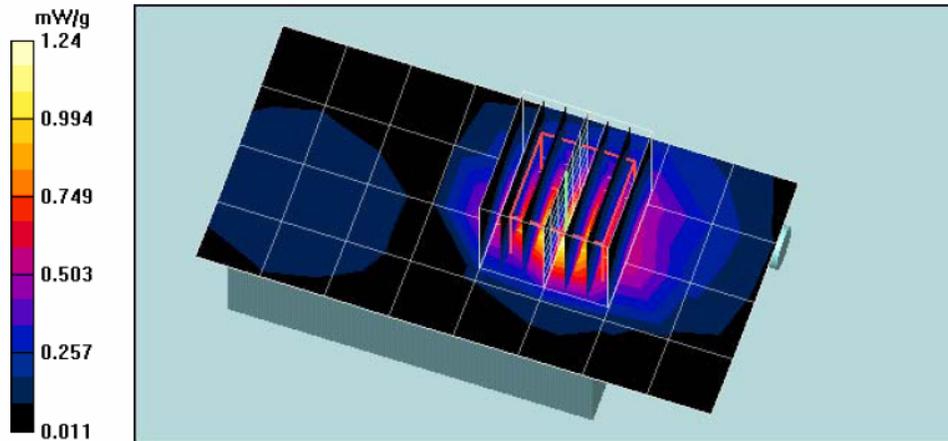
Duty Cycle: 1:4, Medium: 1747 FCC Body, Medium parameters used:  $\sigma = 1.45$ ; mho/m,  $\epsilon_r = 53$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Electronics: DAE3 Sn406, Calibrated: 11/17/2004

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

Reference Value = 15.3 V/m; Power Drift = -0.303 dB

**SAR(1 g) = 1.01 mW/g; SAR(10 g) = 0.534 mW/g**

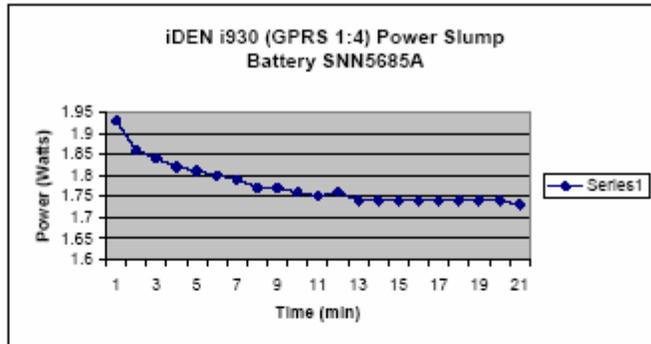


**APPENDIX F**  
**DUT Supplementary Data (Power slump)**

BATTERY: SNN5685A, FREQ: 897.4 MODE: GPRS 4:1

TIME (Min) POWER (Watts)

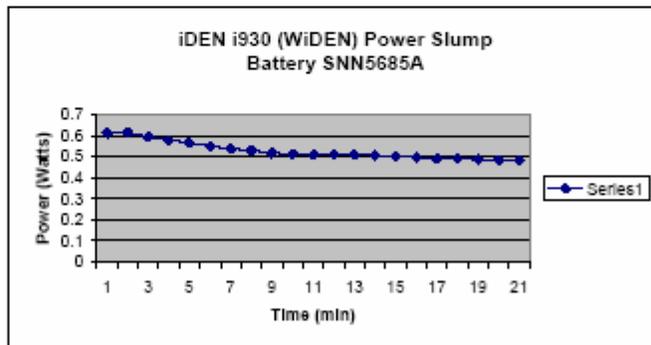
TIME (Min)	POWER (Watts)
Start	1.93
2	1.86
4	1.84
6	1.82
8	1.81
10	1.80
12	1.79
14	1.77
16	1.77
18	1.76
20	1.75
22	1.76
24	1.74
26	1.74
28	1.74
30	1.74
32	1.74
34	1.74
36	1.74
38	1.74
40	1.73



BATTERY: SNN5685A, FREQ: 896.01875 MODE: WiDEN 75% duty cycle

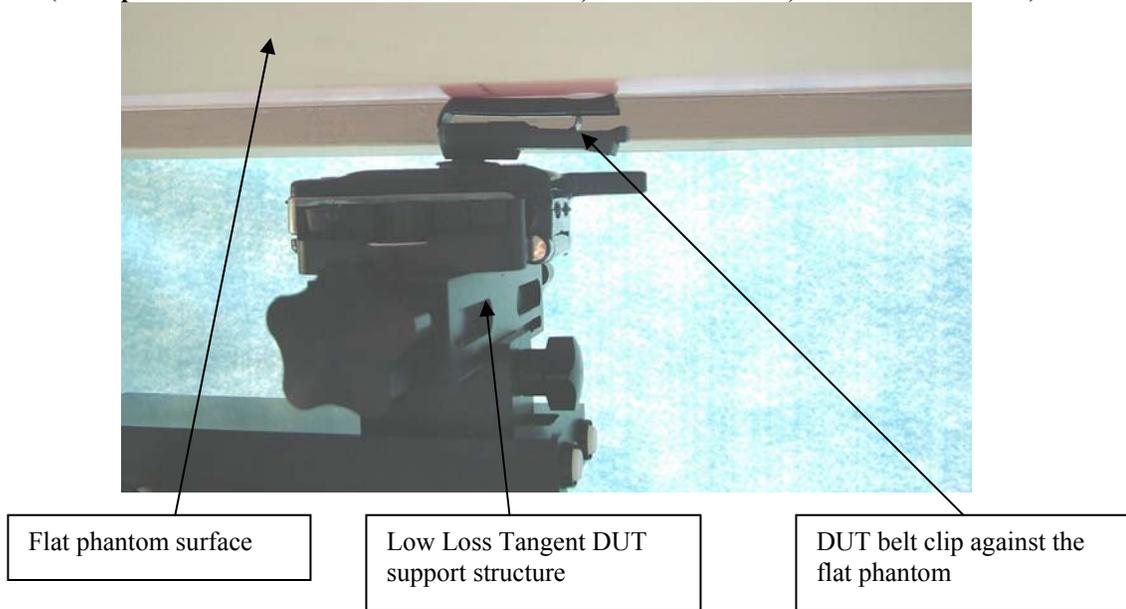
TIME (Min) POWER (Watts)

TIME (Min)	POWER (Watts)
Start	0.612
2	0.615
4	0.595
6	0.579
8	0.566
10	0.550
12	0.537
14	0.530
16	0.517
18	0.514
20	0.510
22	0.510
24	0.508
26	0.506
28	0.505
30	0.497
32	0.490
34	0.490
36	0.487
38	0.485
40	0.482



## Appendix G DUT Test Position Photos

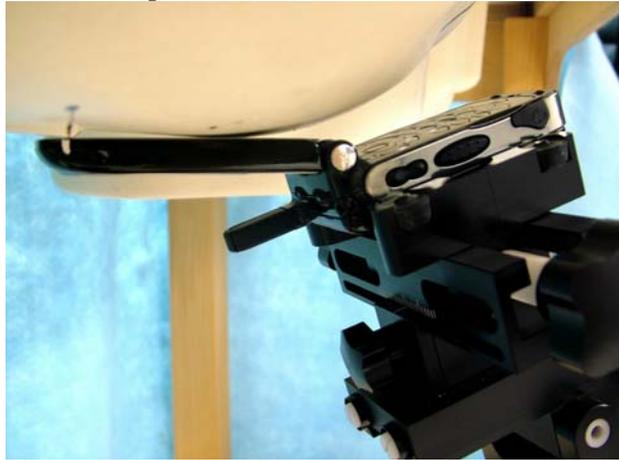
**Figure 1: Highest S.A.R. Test Position (Body)**  
DUT w/ belt clip model NNTN4747A against the phantom  
(same position used for all attached data cables, audio accessories, and w/ ant extended)



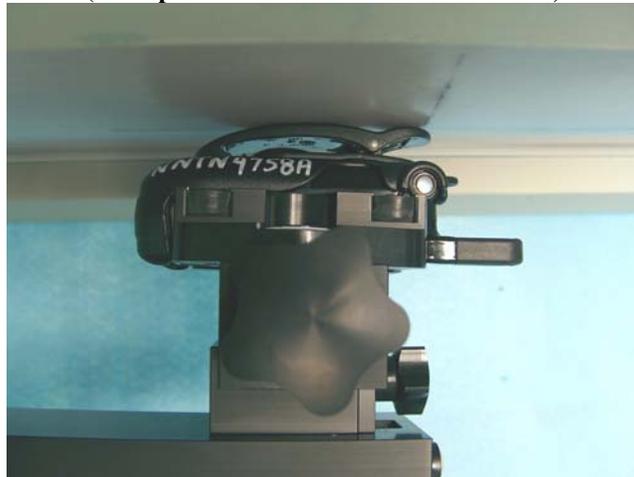
**Figure 2: Highest S.A.R. Test Position (face)**  
DUT flip closed w/ front side separated 2.5cm from the phantom  
(same position used for antenna extended)



**Figure 3: Highest S.A.R. Test Position (Head)**  
DUT at the right ear in cheek touch position.  
(same position used for antenna extended)



**Figure 4: Body Assessment**  
DUT w/ holster model NNTN4758A against the phantom.  
(same position used for antenna extended)



**Figure 5: Body Assessment**  
DUT w/ back side separated 2.5cm from the phantom.



**Figure 6: Body Assessment**  
DUT w/ front side separated 2.5cm from the phantom.



**Figure 7: Body Assessment**  
DUT w/ carry accessory model NNTN4747A against the phantom and attached keyboard model NNTN5491A.  
(same position used for antenna extended)



**Figure 8: Face Assessment**  
DUT Flip opened w/ front side separated 2.5cm from the phantom.



**Figure 9: Assessment at the Head  
DUT at the right ear in tilt position.  
(same position used for antenna extended)**



**Figure 10: Assessment at the Head  
DUT at the left ear in cheek touch position.  
(same position used for antenna extended)**



**Figure 11: Assessment at the Head  
DUT at the left ear in tilt position.  
(same position used for antenna extended)**



## Appendix H DUT and Accessory Photos

The purpose of this appendix is to illustrate the body-worn carry accessory(ies) for FCC ID: AZ489FT5843. The sample that was used in the following photos represents the product used to obtain the results presented herein and was used in this section to demonstrate the offered body-worn accessory(ies).



**Photo 1.**  
Model NNTN4747A  
DUT Back View



**Photo 2.**  
Model NNTN4747A  
DUT Front View



**Photo 3.**  
Model NNTN4747A  
DUT Side View



**Photo 4.**  
Model NNTN4758A  
DUT Back View



**Photo 5.**  
Model NNTN4758A  
DUT Front View



**Photo 6.**  
Model NNTN4758A  
DUT Side 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
NNTN4747A	Yes	28-33	NA
NNTN4758A	Yes	39-43	NA

Audio Acc. Models	Tested ?	Separation distances between DUT antenna and phantom surface. (mm)	Comments
SYN8146C	Yes	NA	NA
SYN7875C	Yes	NA	NA
NTN8496A	Yes	NA	NA
NTN8513B	Yes	NA	NA
SYN8390B	Yes	NA	NA
NNTN4033A	Yes	NA	NA
NSN6066A	Yes	NA	NA
NNTN5004A	Yes	NA	NA
NNTN5005A	Yes	NA	NA
NNTN5006A	Yes	NA	NA
NNTN5211A	Yes	NA	NA
NNTN5774A	Yes	NA	NA

Data cable Models	Tested ?	Separation distances between DUT antenna and phantom surface. (mm)	Comments
NKN6560A	Yes	NA	NA
NKN6559A	Yes	NA	NA
NNTN5405A	Yes	NA	NA
NNTN5406A	Yes	NA	NA
NNTN5491A	Yes	NA	NA
NNTN5863A	Yes	NA	Tested w/ NNTN5491A
NNTN5494A	No	NA	Similar to NNTN5863A