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Exhibit 11: SAR Test Report of Portable Cellular Phone FCC ID: PY7AF052031 Model : W300i

Date of test: March 23 - March 28, 2006
Date of Report: April 10, 2006

Laboratory: SAR Testing Laboratory Sony Ericsson Mobile Communications, Inc. 7001 Development Drive, P.O. Box 13969, Research Triangle Park, NC, 27709, USA

Tested by: Rodney Dixon
 Eng. Technician IV, Product Verification Group

Test Responsible: Gerard Hayes *Gerard Hayes 10 April 2006*
 Technical Manager

Accreditation: This laboratory is accredited to ISO/IEC 17025-1999 to perform the following electromagnetic exposure tests:



- Specific Absorption Rate (SAR)
- Dielectric parameters
- RF power measurement

On the following types of products:
 Wireless communications devices. A2LA certificate #1650-01

Statement of Compliance: Sony Ericsson Mobile Communications, Inc declares under its sole responsibility that portable cellular telephone FCC ID PY7AF052031 model W300i to which this declaration relates, is in conformity with the appropriate General Population/Uncontrolled RF exposure standards, recommendations and guidelines (FCC 47 CFR §2.1093). It also declares that the product was tested in accordance with the appropriate measurement standards, guidelines and recommended practices. Any deviations from these standards, guidelines and recommended practices are noted below:

(none)

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This test report shall not be reproduced except in full, without written approval of the laboratory.

The results and statements contained herein relate only to the items tested. The names of individuals involved may be mentioned only in connection with the statements or results from this report.

Sony Ericsson Mobile Communications encourages all feedback, both positive and negative, on this test report.



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1. Introduction

The Sony Ericsson SAR Laboratory has performed measurements of the maximum potential exposure to the user of portable cellular phone FCC ID PY7AF052031 model W300i. The Specific Absorption Rate (SAR) of this product was measured. The applicable RF safety guidelines and the SAR measurement specifications used for the test are described in [1].

2. Description of the Device Under Test

2.1 Antenna description

| | | |
|-------------------|---------------------------------------|-------|
| Type | PIFA- Type Antenna | |
| Location | External plastic loop, near the hinge | |
| Dimensions | Width | 7 mm |
| | Length | 45 mm |
| | Height | 11 mm |

2.2 Device description

| | | | | | | | |
|---|---------------------|--------------------------|--|--|--|--|------------------------------------|
| FCC ID Number / Device Model | PY7AF052031 / W300i | | | | | | |
| Serial number | BDX0000EUN | | | | | | BDX0000ES1 |
| Mode(s) of Operation | GSM 800 | | | | | | GSM 1900 |
| Modulation Mode(s) | TDMA | | | | | | TDMA |
| Target Value and Factory Tolerance Window for Maximum Output Power Setting GSM Mode: 1/8 Duty Cycle | f_{low} | 32.8 dBm +0.2/-1.0 dB | | | | | f_{low} 30.1 dBm +0.2/-0.5 dB |
| | f_{mid} | 32.9 dBm +0.3/-1.0 dB | | | | | f_{mid} 29.9 dBm +0.2/-0.5 dB |
| | f_{high} | 33.0 dBm +0.2/-0.8 dB | | | | | f_{high} 30.0 dBm +/-0.2 dB |
| GPRS Mode: 2/8 Duty Cycle Target Maximum Output Power Setting (adjusted from GSM mode) | f_{low} | 32.8 dBm +0.2/-1.0 dB | | | | | f_{low} 30.1 dBm +0.2/-0.5 dB |
| | f_{mid} | 32.9 dBm +0.3/-1.0 dB | | | | | f_{mid} 29.9 dBm +0.2/-0.5 dB |
| | f_{high} | 33.0 dBm +0.2/-0.8 dB | | | | | f_{high} 30.0 dBm +/-0.2 dB |
| Calibration Frequency (f_{low} , f_{mid} , f_{high}) | f_{high} | | | | | | f_{high} |
| Transmitting Frequency Rang(s) | 824-849 MHz | | | | | | 1850-1910 MHz |
| Production Unit or Identical Prototype (47 CFR §2.908) | Identical Prototype | | | | | | |
| Device Category | Portable | | | | | | |



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| | |
|---------------------------|-----------------------------------|
| RF Exposure Limits | General Population / Uncontrolled |
|---------------------------|-----------------------------------|



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3. Test Equipment Used

3.1 Dosimetric System

The Sony Ericsson SAR Laboratory utilizes Dosimetric Assessment Systems (Dasy4™) manufactured by Schmid & Partner Engineering AG (SPEAG™), of Zurich Switzerland. The overall RSS uncertainty of the measurement system is ±9.80% (K=1) with an expanded uncertainty of ±19.59% (K=2) for Dasy4™. The measurement uncertainty budget is given in Appendix 5 for both systems. The list of calibrated equipment used for the measurements is shown in the following table.

| Description | Serial Number | Cal Due Date |
|--|---------------|--------------|
| DASY3 DAE V1 | 345 | 10-Nov-2006 |
| DASY3 DAE V1 | 416 | 10-Nov-2006 |
| E-Field Probe ETDV6 | 1586 | 26-May-2006 |
| E-Field Probe ETDV6 | 1539 | 22-Nov-2006 |
| Dipole Validation Kit, DV835V2 | 429 | 21-Nov-2006 |
| Dipole Validation Kit, DV1900V2 | 537 | 15-Nov-2006 |
| S.A.M. Phantom used for 835MHz (Head) | 1251 | |
| S.A.M. Phantom used for 835MHz (Body) | 1031 | |
| S.A.M. Phantom used for 1900MHz (Head) | 1335 | |
| S.A.M. Phantom used for 1900MHz (Body) | 1020 | |

3.2 Additional Equipment

| Description | Serial Number | Cal Due Date |
|--|---------------|------------------|
| Signal Generator HP8648C | 3537A01598 | August 30, 2006 |
| Power Meter 437B | 3125U16382 | December 5, 2006 |
| Power Meter 437B | 3125U13729 | June 3, 2006 |
| Power Sensor - 8482H | MY41090240 | April 29, 2006 |
| Power Sensor - 8482H | MY41090239 | April 29, 2006 |
| Dielectric Probe Kit HP85070B | US33020390 | August 29, 2006 |
| Digital Thermometer 61220-601 And Probe (61220-604) | 350078 | November 9, 2006 |
| Digital Hygrometer/ Thermometer | 21242911 | November 9, 2006 |
| HP RF Amplifier 8347A | 3307A1069 | May 4, 2006 |



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4. Electrical parameters of the tissue simulating liquid

Prior to conducting SAR measurements, the relative permittivity, ϵ_r , and the conductivity, σ , of the tissue simulating liquids were measured with the dielectric probe kit. These values, along with the temperature of the simulated tissue are shown in the table below. A mass density of $\rho=1\text{g/cm}^3$ was entered into the system in all the cases. It can be seen that the measured parameters are within tolerance of the recommended limits [1]. During all of the tests represented in this report, the ambient temperature of the laboratory was in the range 22.6-24.6°C, the relative humidity was 30.9%- 38.1 %, and the liquid depth above the ear and body reference points was more than 15.0 cm for all the cases. It is seen that the following measured parameters are satisfactory for compliance testing.

| f (MHz) | Tissue type | Limits / Measured | Dielectric Parameters | | |
|---------|-------------|---------------------------|-----------------------|----------------|----------------------------|
| | | | ϵ_r | σ (S/m) | Simulated Tissue Temp (°C) |
| 835 | Head | Measured, 28-Mar-06 | 40.05 | .887 | 23.1 |
| | | Recommended Limits | 41.50 | 0.90 | 20-25 |
| | Body | Measured, 25-Mar-06 | 52.66 | .988 | 24 |
| | | Recommended Limits | 55.20 | 0.97 | 20-25 |
| 1900 | Head | Measured, 23-Mar-06 | 38.27 | 1.468 | 22.6 |
| | | Recommended Limits | 40.00 | 1.40 | 20-25 |
| | Body | Measured, 24-Mar-06 | 51.61 | 1.519 | 23.8 |
| | | Recommended Limits | 53.30 | 1.52 | 20-25 |

The list of ingredients and the percent composition used for the simulated tissue are indicated in the table below.

| Ingredient | 800/900 MHz Head 900MHz Body | 800MHz Body | 1800/1900 MHz Head 1800MHz Body | 1900MHz Body |
|------------|---------------------------------|----------------|------------------------------------|--------------|
| Sugar | 57.99% | 56.00% | -- | -- |
| DGBE | -- | -- | 44.92% | 30.82% |
| Water | 39.72% | 41.76% | 54.90% | 68.89% |
| Salt | 1.18% | 0.76% | 0.18% | 0.29% |
| HEC | 0.92% | 1.21% | -- | -- |
| Bact. | 0.19% | 0.27% | -- | -- |



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5. System Accuracy Verification

A system accuracy verification of the DASY4™ was performed using the measurement equipment listed in Section 3.1. The daily system accuracy verification occurs within the flat section of the SAM phantom.

A SAR measurement was performed to see if the measured SAR was within +/- 10% from the target SAR indicated on the dipole certification sheet. These tests were done at 835MHz/900MHz and/or 1800MHz/1900MHz. These frequencies are within 100MHz of the mid-band frequency of the test device, according to [1]. The test was conducted on the same days as the measurement of the DUT. The results from the system accuracy verification are displayed in the table below (SAR values are normalized to 1W forward power delivered to the dipole). During all of the tests represented in this report, the ambient temperature of the laboratory was in the range 22.6-24.6°C, the relative humidity was 30.9%- 38.1 %, and the liquid depth above the ear and body reference points was more than 15.0 cm for all the cases. It is seen that the system is operating within its specification, as the results are within acceptable tolerance of the reference values. The SAR distributions are shown in Appendix 1.

Daily, prior to conducting tests, measurements were made with the RF sources powered off to determine the system noise level. The highest system noise was 0.00139 W/kg, which is below the recommended limit in [1].

| f (MHz) | Tissue Type | Description | SAR (W/kg) 1g / 10g | | Dielectric Parameters | | Tissue Temp (°C) |
|---------|-------------|---------------------------|---------------------|--------------|-----------------------|-------------|------------------|
| | | | e _r | s (S/m) | | | |
| 835 | Head | Measured. 28-Mar-06 | 8.9 | 5.8 | 40.05 | .887 | 23.1 |
| | | Recommended Limits | 9.50 | 6.20 | 41.50 | 0.90 | 20-25 |
| | Body | Measured. 25-Mar-06 | 9.5 | 6.3 | 52.66 | .988 | 24 |
| | | Recommended Limits | 9.90 | 6.46 | 55.20 | 0.97 | 20-25 |
| 1900 | Head | Measured. 23-Mar-06 | 41.2 | 21.5 | 38.27 | 1.468 | 22.6 |
| | | Recommended Limits | 39.70 | 20.50 | 40.00 | 1.40 | 20-25 |
| | Body | Measured. 24-Mar-06 | 41.2 | 22.1 | 51.61 | 1.519 | 23.8 |
| | | Recommended Limits | 40.50 | 20.89 | 53.30 | 1.52 | 20-25 |



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6. Test Results

For head measurements (with a 1/8 GSM duty cycle), the sample was operated using test software that allows the control of the transmitter. For body measurements (2/8 EGPRS duty cycle), the test sample was operated using a base station simulator that allows control of the transmitter using the signally software that installed on the phone call. For the purposes of these tests, the unit is commanded to set to the proper channel, transmitter power level and transmit mode of operation. The phone was tested in the configurations stipulated in [1,2]. The phone was positioned into these configurations using the positioner supplied with the DASY 3.1d SAR measurement system.

The Cellular Phone FCC ID PY7AF052031 has the following battery option:
BKB 193 203 (BST-33) Standard Lithium Polymer Battery

The phone was placed in the SAR measurement system with a fully charged battery.

6.1 Head Adjacent Test Results

The SAR results shown in Tables 1 and 2 are maximum SAR values averaged over 1 gram and 10 grams of phantom tissue. Also shown are the measured conducted output powers, the temperature of the test facility during the test, the temperature of the simulated tissue, the measured drift, and the extrapolated SAR. The extrapolated SAR corresponds to the measured SAR scaled to the maximum conducted output power.

During all of the tests represented in this report, the ambient temperature of the laboratory was in the range 22.6-24.6°C, the relative humidity was 30.9% - 38.1 %, and the liquid depth above the ear and body reference points was more than 15.0 cm for all the cases. The SAR measurements were performed using the SAM phantoms listed in section 3.1.

The test conditions indicated as bold numbers in the following table are included in Appendix 2. All other test conditions measured lower SAR values than those included.

| Summary of Maximum Extrapolated SAR Results : Head Adjacent | | | |
|---|-------------------------|-------|---|
| Frequency | Extrapolated SAR (W/kg) | | Test Configuration |
| | 1 g | 10 g | |
| 800 GSM | 0.607 | 0.384 | Right head, cheek/touch position, 849 MHz BST-33 battery |
| 1900 GSM | 1.42 | 0.769 | Left head, cheek/touch position, 1910 MHz BST-33 battery |



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| f (MHz) | Channel/ frequency | Conducted Output Power (dBm) GSM 1:8 Duty Cycle | FCC ID PY7AF052031 with Standard Battery BST-33 | | | | | | |
|--------------|-----------------------|---|---|--------------|--------------|---------------------------------|--------------|-------------------------|-----------------------|
| | | | Left Head (Cheek / Touch Position) | | | | | Ambient Temp (°C) | Simulant Temp (°C) |
| | | | Measured (W/kg) 1g / 10g | | Drift (dB) | Extrapolated (W/kg) 1g / 10g | | | |
| 800 GSM | 128 / 824 | 32.9 | 0.485 | 0.312 | | -0.05 | 0.485 | 0.312 | 23.5 |
| | 189 / 837 | 33.1 | 0.483 | 0.308 | -0.01 | 0.483 | 0.308 | | |
| | 251 / 849 | 33.2 | 0.549 | 0.350 | -0.01 | 0.549 | 0.350 | | |
| 1900 GSM | 512 / 1850 | 30.2 | 1.250 | 0.681 | 0.00 | 1.250 | 0.681 | 22.8 | 22.6 |
| | 660/1880 | 30.0 | 1.310 | 0.708 | 0.06 | 1.310 | 0.708 | | |
| | 810/1910 | 30.2 | 1.420 | 0.769 | 0.09 | 1.420 | 0.769 | | |
| Bluetooth on | 810/1910 | 30.2 | 1.38 | 0.746 | 0.0 | 1.38 | 0.746 | 23.1 | 22.6 |
| f (MHz) | Channel/ frequency | Conducted Output Power (dBm) GSM 1:8 Duty Cycle | FCC ID PY7AF052031 with Standard Battery BST-33 | | | | | | |
| | | | Left Head (15° Tilt Position) | | | | | Ambient Temp (°C) | Simulant Temp (°C) |
| | | | Measured (W/kg) 1g / 10g | | Drift (dB) | Extrapolated (W/kg) 1g / 10g | | | |
| 800 GSM | 128 / 824 | 32.9 | 0.096 | 0.071 | | -0.04 | 0.096 | 0.071 | 23.6 |
| | 189 / 837 | 33.1 | 0.096 | 0.071 | -0.08 | 0.096 | 0.071 | | |
| | 251 / 849 | 33.2 | 0.111 | 0.082 | -0.04 | 0.111 | 0.082 | | |
| 1900 GSM | 512 / 1850 | 30.2 | 0.848 | 0.519 | 0.03 | 0.848 | 0.519 | 22.6 | 22.5 |
| | 660/1880 | 30.0 | 0.791 | 0.476 | 0.04 | 0.791 | 0.476 | | |
| | 810/1910 | 30.2 | 0.720 | 0.429 | 0.00 | 0.720 | 0.429 | | |

Table 1: SAR measurement results for the portable cellular telephone FCC ID PY7AF052031 model W300i at maximum output power with Standard Battery BST-33. Measured against the left head.



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| f (MHz) | Channel/ frequency | Conducted Output Power (dBm) GSM 1:8 Duty Cycle | FCC ID PY7AF052031 with Standard Battery BST-33 | | | | | | |
|--------------|-----------------------|---|---|--------------|---------------|---------------------------------|--------------|-------------------------|-----------------------|
| | | | Right Head (Cheek / Touch Position) | | | | | Ambient Temp (°C) | Simulate Temp (°C) |
| | | | Measured (W/kg) 1g / 10g | | Drift (dB) | Extrapolated (W/kg) 1g / 10g | | | |
| 800 GSM | 128 / 824 | 32.9 | 0.536 | 0.341 | 0.04 | 0.536 | 0.341 | 23.6 | 23.4 |
| | 189 / 837 | 33.1 | 0.529 | 0.336 | 0.02 | 0.529 | 0.336 | | |
| | 251 / 849 | 33.2 | 0.607 | 0.383 | 0.03 | 0.607 | 0.383 | | |
| Bluetooth On | 251 / 849 | 33.2 | 0.607 | 0.384 | -0.12 | 0.607 | 0.384 | 23.6 | 23.3 |
| 1900 GSM | 512 / 1850 | 30.2 | 1.020 | 0.571 | 0.006 | 1.020 | 0.571 | 23 | 22.5 |
| | 660/1880 | 30.0 | 1.100 | 0.610 | -0.10 | 1.100 | 0.610 | | |
| | 810/1910 | 30.2 | 1.100 | 0.606 | -0.10 | 1.100 | 0.606 | | |
| f (MHz) | Channel/ frequency | Conducted Output Power (dBm) GSM 1:8 Duty Cycle | FCC ID PY7AF052031 with Standard Battery BST-33 | | | | | | |
| | | | Right Head (15° Tilt Position) | | | | | Ambient Temp (°C) | Simulate Temp (°C) |
| | | | Measured (W/kg) 1g / 10g | | Drift (dB) | Extrapolated (W/kg) 1g / 10g | | | |
| 800 GSM | 128 / 824 | 32.9 | 0.107 | 0.078 | -0.07 | 0.107 | 0.078 | 23.6 | 23.3 |
| | 189 / 837 | 33.1 | 0.108 | 0.079 | -0.10 | 0.108 | 0.079 | | |
| | 251 / 849 | 33.2 | 0.126 | 0.091 | -0.06 | 0.126 | 0.091 | | |
| 1900 GSM | 512 / 1850 | 30.2 | 0.797 | 0.496 | 0.06 | 0.797 | 0.496 | 23.1 | 22.6 |
| | 660/1880 | 30.0 | 0.737 | 0.454 | 0.03 | 0.737 | 0.454 | | |
| | 810/1910 | 30.2 | 0.608 | 0.374 | -0.02 | 0.608 | 0.374 | | |

Table 2: SAR measurement results for the portable cellular telephone FCC ID PY7AF052031 model W300i at maximum output power with Standard Battery BST-33. Measured against the right head.



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6.2 Body-Worn Test Results

The SAR results shown in Tables 3 and 4 are the maximum SAR values averaged over 1gram and 10 grams of phantom tissue. Also shown are the measured conducted output powers, the temperature of the test facility during the test, the temperature of the simulated tissue after the test, the measured drift and the extrapolated SAR. The extrapolated SAR corresponds to the measured SAR scaled to the maximum conducted output power. During all of the tests represented in this report, the ambient temperature of the laboratory was in the range 22.6-24.6°C, the relative humidity was 30.9%- 38.1 %, and the liquid depth above the ear and body reference points was more than 15.0 cm for all the cases.

A “flat” phantom was used for the body-worn tests. This “flat” phantom corresponds to the flat portion of the SAM phantom. The same device holder described in section 6 was used for positioning the phone. The cellular phone was tested with a headset (HBP-20) connected to the device for all body-worn SAR measurements.

The following body-worn accessories were tested for this phone:

- 15 mm spacer
- ICE26 Carry Case

A full data set output of the test conditions with the highest SAR values from the DASY™ measurement system is included as Appendix 3. These test conditions included are indicated as bold numbers in the following tables. All other test conditions measured lower SAR values than those included.

| Summary of Maximum Extrapolated SAR Results: Body-worn | | | |
|--|-------------------------|-------|---|
| Frequency | Extrapolated SAR (W/kg) | | Test Configuration |
| | 1 g | 10 g | |
| 800 GSM | 1.08 | 0.724 | 15mm Spacer Carry Accessory, back of phone facing body, 849 MHz, 2:8 Duty Cycle, BST-33 battery |
| 1900 GSM | 1.36 | 0.863 | ICE-26 Carry Accessory, back of phone facing body, 1910 MHz, 2:8 Duty Cycle BST-33 battery |



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| f (MHz) | Operating Condition | Channel/frequency | Conducted Output Power (dBm) | FCC ID PY7AF052031 with Standard Battery BST-33 | | | | | | |
|-----------------------------------|---------------------|------------------------------|------------------------------|---|--------------|--------------|------------------------------|--------------|------|------|
| | | | | Body Worn | | | Carry Accessory: 15mm Spacer | | | |
| | | | | Back of phone facing body | | | | | | |
| Measured (W/kg) 1g / 10g | Drift (dB) | Extrapolated (W/kg) 1g / 10g | | | | | | | | |
| Back of phone facing body | | | | | | | | | | |
| 800 GSM | 2:8 Duty Cycle | 128 / 824 | 32.9 | 0.890 | 0.601 | -0.17 | 0.890 | 0.601 | 24.3 | 24 |
| | | 189 / 837 | 33.1 | 0.861 | 0.579 | 0.00 | 0.861 | 0.579 | | |
| | | 251 / 849 | 33.2 | 1.08 | 0.724 | -0.09 | 1.08 | 0.724 | | |
| | Bluetooth On | 251 / 849 | 33.2 | 1.03 | 0.695 | 0.00 | 1.03 | 0.695 | 24.5 | 24.2 |
| 1900 GSM | 2:8 Duty Cycle | 512 / 1850 | 30.2 | 0.945 | 0.612 | -0.02 | 0.945 | 0.612 | 24.2 | 23.8 |
| | | 660/1880 | 30.0 | 1.060 | 0.682 | 0.01 | 1.060 | 0.682 | | |
| | | 810/1910 | 30.2 | 1.200 | 0.771 | -0.10 | 1.200 | 0.771 | | |
| Front of phone facing body | | | | | | | | | | |
| 800 GSM | 2:8 Duty Cycle | 128 / 824 | 32.9 | 0.191 | 0.136 | -0.03 | 0.191 | 0.136 | 24.5 | 24.1 |
| | | 189 / 837 | 33.1 | 0.189 | 0.135 | 0.01 | 0.189 | 0.135 | | |
| | | 251 / 849 | 33.2 | 0.198 | 0.140 | -0.06 | 0.198 | 0.140 | | |
| 1900 GSM | 2:8 Duty Cycle | 512 / 1850 | 30.2 | 0.322 | 0.206 | 0.06 | 0.322 | 0.206 | 24 | 23.7 |
| | | 660/1880 | 30.0 | 0.271 | 0.174 | -0.10 | 0.271 | 0.174 | | |
| | | 810/1910 | 30.2 | 0.224 | 0.145 | -0.01 | 0.224 | 0.145 | | |

Table 3: SAR measurement results for the portable cellular telephone FCC ID PY7AF052031 model W300i at maximum output power with Standard Battery BST-33. Measured against the body with carry accessory 15mm Spacer.



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| f (MHz) | Operating Condition | Channel/ frequency | Conducted Output Power (dBm) | FCC ID PY7AF052031 with Standard Battery BST-33 | | | | | | |
|-----------------------------------|---------------------|------------------------------|------------------------------|---|--------------|--------------|------------------------------------|--------------|------|------|
| | | | | Body Worn | | | Carry Accessory: ICE-26 Carry Case | | | |
| | | | | Back of phone facing body | | | | | | |
| Measured (W/kg) 1g / 10g | Drift (dB) | Extrapolated (W/kg) 1g / 10g | | | | | | | | |
| Back of phone facing body | | | | | | | | | | |
| 800 GSM | 2:8 Duty Cycle | 128 / 824 | 32.9 | 0.464 | 0.321 | -0.12 | 0.464 | 0.321 | 24.6 | 24.2 |
| | | 189 / 837 | 33.1 | 0.570 | 0.396 | 0.00 | 0.570 | 0.396 | | |
| | | 251 / 849 | 33.2 | 0.730 | 0.507 | -0.12 | 0.730 | 0.507 | | |
| 1900 GSM | 2:8 Duty Cycle | 512 / 1850 | 30.2 | 0.771 | 0.500 | 0.05 | 0.771 | 0.500 | 24.2 | 23.6 |
| | | 660/1880 | 30.0 | 0.864 | 0.561 | 0.10 | 0.864 | 0.561 | | |
| | | 810/1910 | 30.2 | 1.360 | 0.863 | 0.02 | 1.360 | 0.863 | | |
| | Bluetooth On | 810/1910 | 30.2 | 0.972 | 0.626 | -0.01 | 0.972 | 0.626 | 24 | 23.7 |
| Front of phone facing body | | | | | | | | | | |
| 800 GSM | 2:8 Duty Cycle | 128 / 824 | 32.9 | 0.137 | 0.098 | -0.12 | 0.137 | 0.098 | 24.5 | 24.2 |
| | | 189 / 837 | 33.1 | 0.134 | 0.094 | 0.03 | 0.134 | 0.094 | | |
| | | 251 / 849 | 33.2 | 0.165 | 0.117 | -0.10 | 0.165 | 0.117 | | |
| 1900 GSM | 2:8 Duty Cycle | 512 / 1850 | 30.2 | 0.411 | 0.259 | 0.00 | 0.411 | 0.259 | 24.5 | 23.7 |
| | | 660/1880 | 30.0 | 0.307 | 0.197 | -0.06 | 0.307 | 0.197 | | |
| | | 810/1910 | 30.2 | 0.246 | 0.158 | -0.02 | 0.246 | 0.158 | | |

Table 4: SAR measurement results for the portable cellular telephone FCC ID PY7AF052031 model W300i at maximum output power with Standard Battery BST-33. Measured against the body with carry accessory ICE-26.



| | | | |
|---|---------|------------------------------|--|
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References

- [1] FCC, "Evaluating Compliance with FCC Guidelines for Human Exposure to Radiofrequency Electromagnetic Fields: Additional Information for Evaluating Compliance of Mobile and Portable Devices with FCC Limits for Human Exposure to Radiofrequency Emissions," Supplement C (Edition 01-01) to OET Bulletin 65 (Edition 97-01).
- [2] IEEE, "Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Body Due to Wireless Communications Devices: Experimental Techniques," Std 1528-200X, Draft 6.5 – August 20, 2001.



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Appendix 1

SAR distribution comparison for the system accuracy verification



| | | | |
|---|---------|------------------------------|---|
| Prepared (also subject responsible if other) SEM/CV/PF/P Gerard Hayes and Rodney Dixon | | No. REP 2006 003 W300i 02 | |
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**835 MHz SAR Distribution of Validation Dipole Antenna
System Performance Check on March 28, 2006 (Using head tissue).
Validation_835Head_429_1251_28Mar06_T01**

File Name: [Validation_835Head_429_1251_28Mar06_T01.da4](#)

Phantom: SAM with CRP (Low Band Head) Phantom section: Flat Section
 Probe: ET3DV6 - SN1586 ConvF(6.58, 6.58, 6.58)Duty Cycle: 1:1Frequency: 835 MHz
 Medium parameters used: f = 835 MHz; s = 0.887mho/m; $\epsilon_r = 40.1$; $\rho = 1000 \text{ kg/m}^3$
 Measurement Standard: DASy4 (High Precision Assessment)

Dipole at 10 mm/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.944 mW/g

Dipole at 10 mm/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 32.7 V/m; Power Drift = -0.023 dB

Peak SAR (extrapolated) = 1.31 W/kg

SAR(1 g) = 0.883 mW/g; SAR(10 g) = 0.577 mW/g

Maximum value of SAR (measured) = 0.951 mW/g

Dipole at 10 mm/Zoom Scan 2 (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 32.7 V/m; Power Drift = -0.023 dB

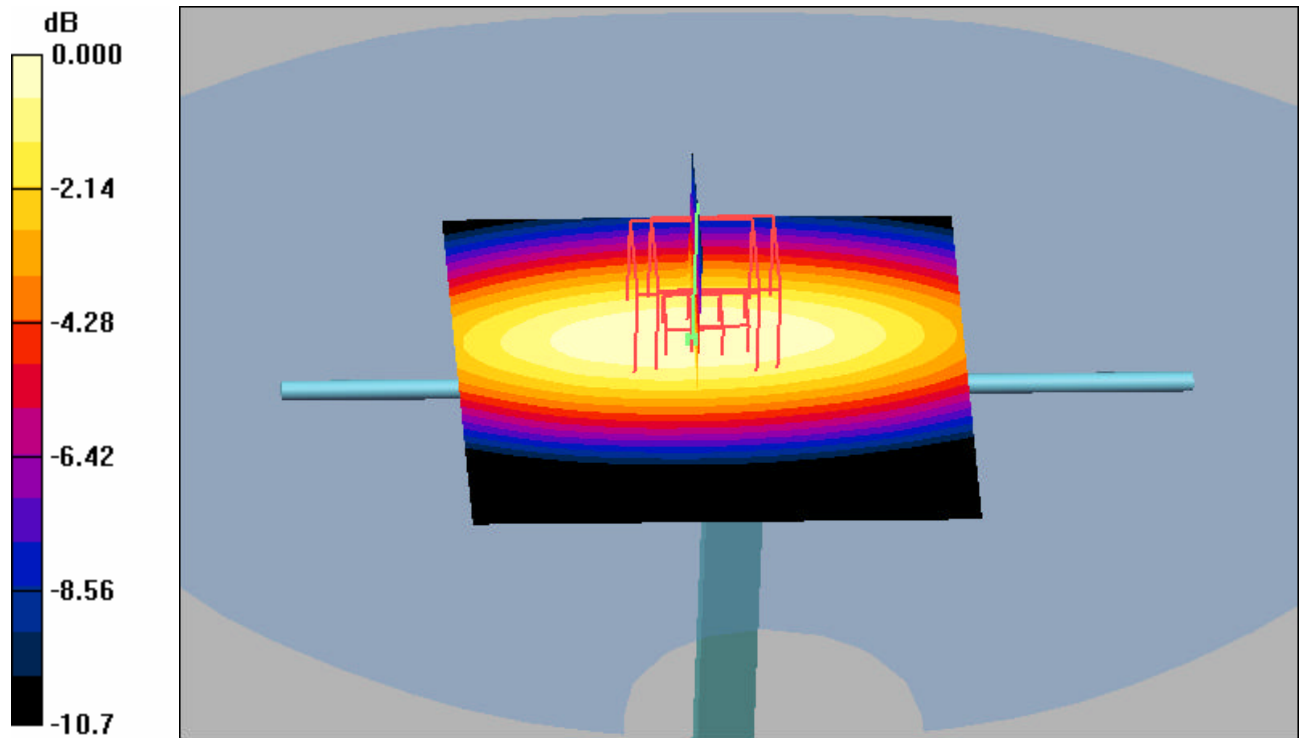
Peak SAR (extrapolated) = 1.29 W/kg

SAR(1 g) = 0.864 mW/g; SAR(10 g) = 0.564 mW/g

Maximum value of SAR (measured) = 0.926 mW/g

Procedure Notes: Pin: before 99.5 mW / after 99.7 mW

Humidity: 34.6% Ambient Temp: 23.5 C Simulant Temp: 23.1 C



0 dB = 0.926mW/g



| | | | |
|---|---------|------------------------------|---|
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| Approved SEM/CV/PF/P Gerard Hayes | Checked | A | X:\SAR Chamber\FCC reports\W300i\Final Reports\FCCW300i.doc |

**835 MHz SAR Distribution of Validation Dipole Antenna
System Performance Check on March 25, 2006 (Using body tissue).
Validation_835Body_429_1031_25Mar06_T01**

File Name: [Validation_835Body_429_1031_25Mar06_T01.da4](#)

Phantom: SAM with CRP (Low Band Body) Phantom section: Flat Section
 Probe: ET3DV6 - SN1539ConvF(5.88, 5.88, 5.88) Duty Cycle: 1:1 Frequency: 835 MHz
 Medium parameters used: f = 835 MHz; s = 0.989 mho/m; $\epsilon_r = 52.7$; $\rho = 1000 \text{ kg/m}^3$
 Measurement Standard: DAS4 (High Precision Assessment)

Dipole at 10 mm/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.04 mW/g

Dipole at 10 mm/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 33.6 V/m; Power Drift = 0.009 dB

Peak SAR (extrapolated) = 1.40 W/kg

SAR(1 g) = 0.964 mW/g; SAR(10 g) = 0.632 mW/g

Maximum value of SAR (measured) = 1.04 mW/g

Dipole at 10 mm/Zoom Scan 2 (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 33.6 V/m; Power Drift = 0.009 dB

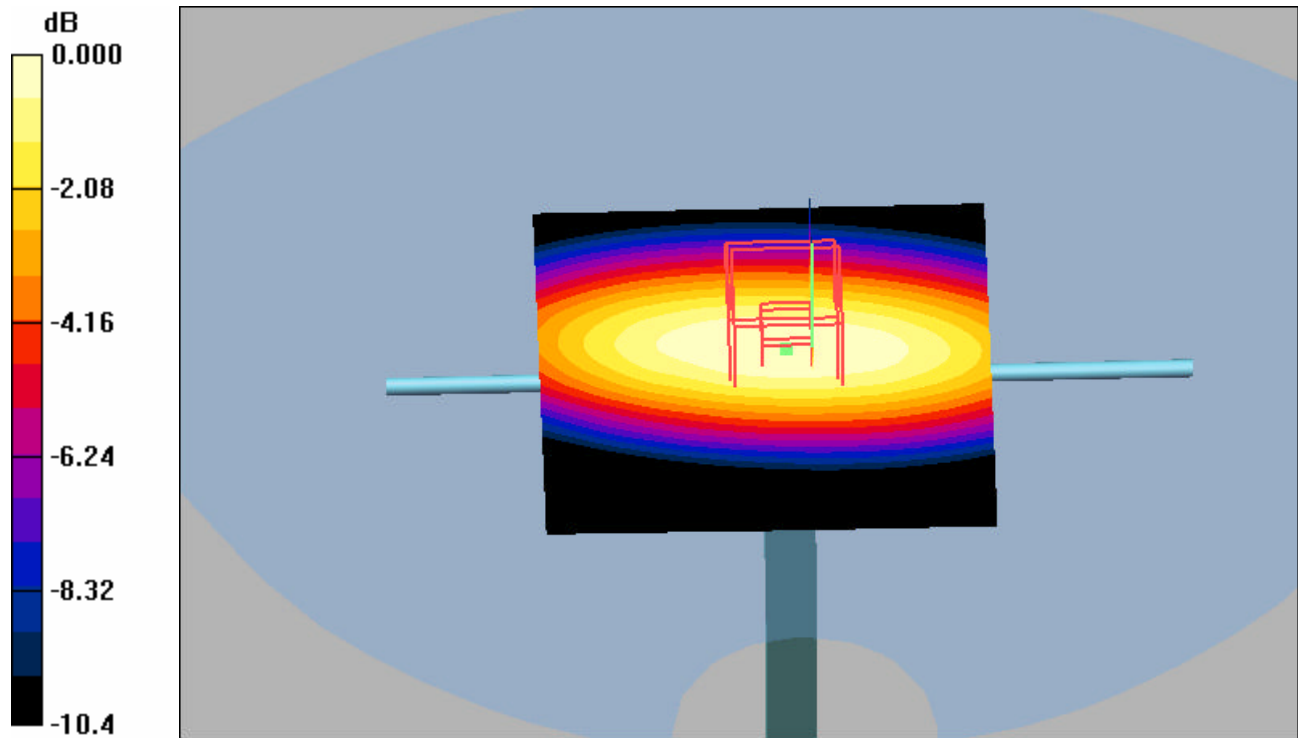
Peak SAR (extrapolated) = 1.37 W/kg

SAR(1 g) = 0.935 mW/g; SAR(10 g) = 0.613 mW/g

Maximum value of SAR (measured) = 1.01 mW/g

Procedure Notes: Pin: before 99.6mW / after 99.5mW

Humidity - 32.1% Ambient Temp - 24.3 C Simulant Temp - 24 C



0 dB = 1.01mW/g



| | | | |
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**1900 MHz SAR Distribution of Validation Dipole Antenna
System Performance Check on March 23, 2006 (Using head tissue).
Validation_1900Head_537_1335_23Mar06_T01**

File Name: [Validation_1900Head_537_1335_23Mar06_T01.da4](#)

Phantom: SAM with CRP (High Band Head) Phantom section: Flat Section
 Probe: ET3DV6 - SN1539ConvF(4.55, 4.55, 4.55) Duty Cycle: 1:1 Frequency: 1900 MHz
 Medium parameters used: f = 1900 MHz; s = 1.47 mho/m; $\epsilon_r = 38.3$; $\rho = 1000 \text{ kg/m}^3$
 Measurement Standard: DASy4 (High Precision Assessment)

Dipole at 10 mm/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (interpolated) = 5.15 mW/g

Dipole at 10 mm/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Reference Value = 59.1 V/m; Power Drift = -0.008 dB

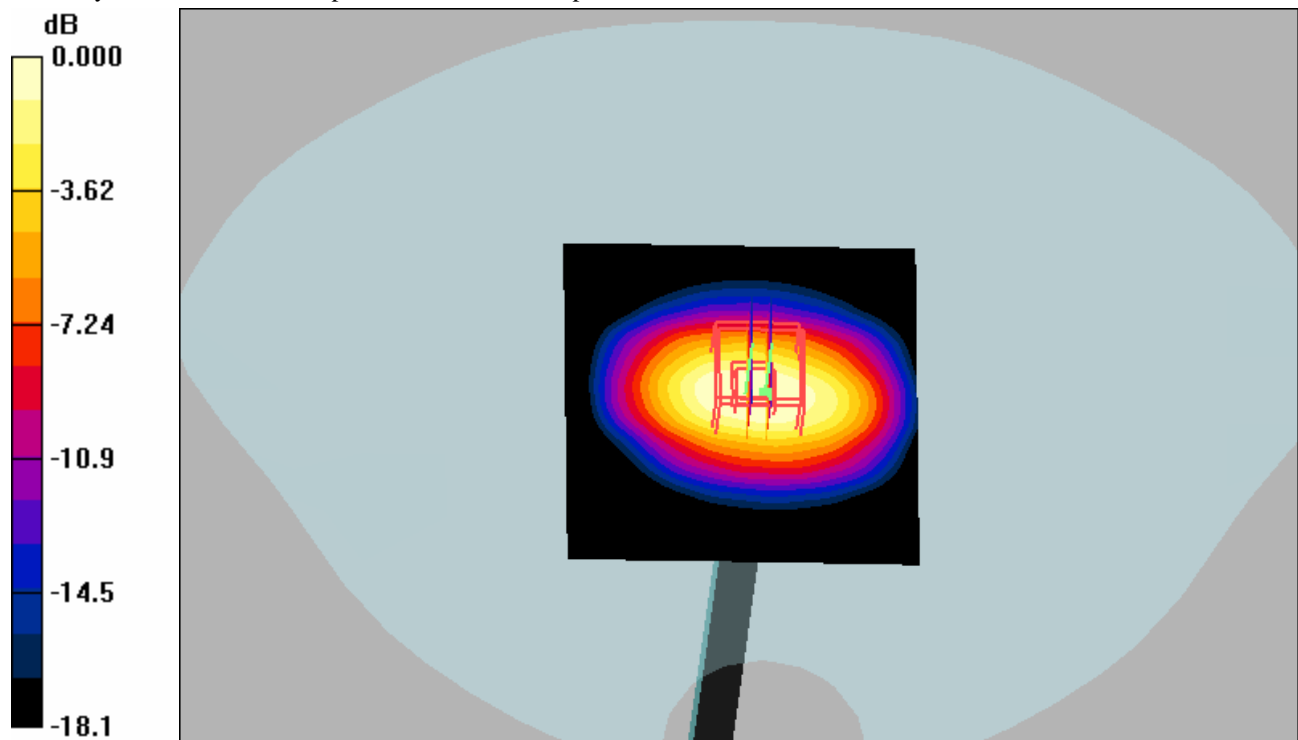
Peak SAR (extrapolated) = 7.28 W/kg
SAR(1 g) = 4.18 mW/g; SAR(10 g) = 2.18 mW/g

Maximum value of SAR (measured) = 4.73 mW/g
Dipole at 10 mm/Zoom Scan 2 (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Reference Value = 59.1 V/m; Power Drift = -0.008 dB

Peak SAR (extrapolated) = 7.05 W/kg
SAR(1 g) = 4.04 mW/g; SAR(10 g) = 2.11 mW/g

Maximum value of SAR (measured) = 4.57 mW/g
 Procedure Notes: Pin: before 99.5 mW / after 99.9 mW

Humidity: 35.7% Ambient Temp: 22.8 C Simulant Temp: 22.6 C



0 dB = 4.57mW/g



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**1900 MHz SAR Distribution of Validation Dipole Antenna
System Performance Check on March 24, 2005 (Using body tissue).
Validation_1900Body_537_1335_24Mar06_T01**

File Name: [Validation_1900Body_537_1335_24Mar06_T01.da4](#)

Phantom: SAM with CRP (High Band Body) Phantom section: Flat Section
 Probe: ET3DV6 - SN1539ConvF(4.12, 4.12, 4.12) Duty Cycle: 1:1 Frequency: 1900 MHz
 Medium parameters used: f = 1900 MHz; s = 1.52 mho/m; $\epsilon_r = 51.6$; $\rho = 1000 \text{ kg/m}^3$
 Measurement Standard: DASy4 (High Precision Assessment)

Dipole at 10 mm/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 5.26 mW/g

Dipole at 10 mm/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 58.4 V/m; Power Drift = 0.023 dB

Peak SAR (extrapolated) = 7.01 W/kg

SAR(1 g) = 4.17 mW/g; SAR(10 g) = 2.24 mW/g

Maximum value of SAR (measured) = 4.69 mW/g

Dipole at 10 mm/Zoom Scan 2 (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 58.4 V/m; Power Drift = 0.023 dB

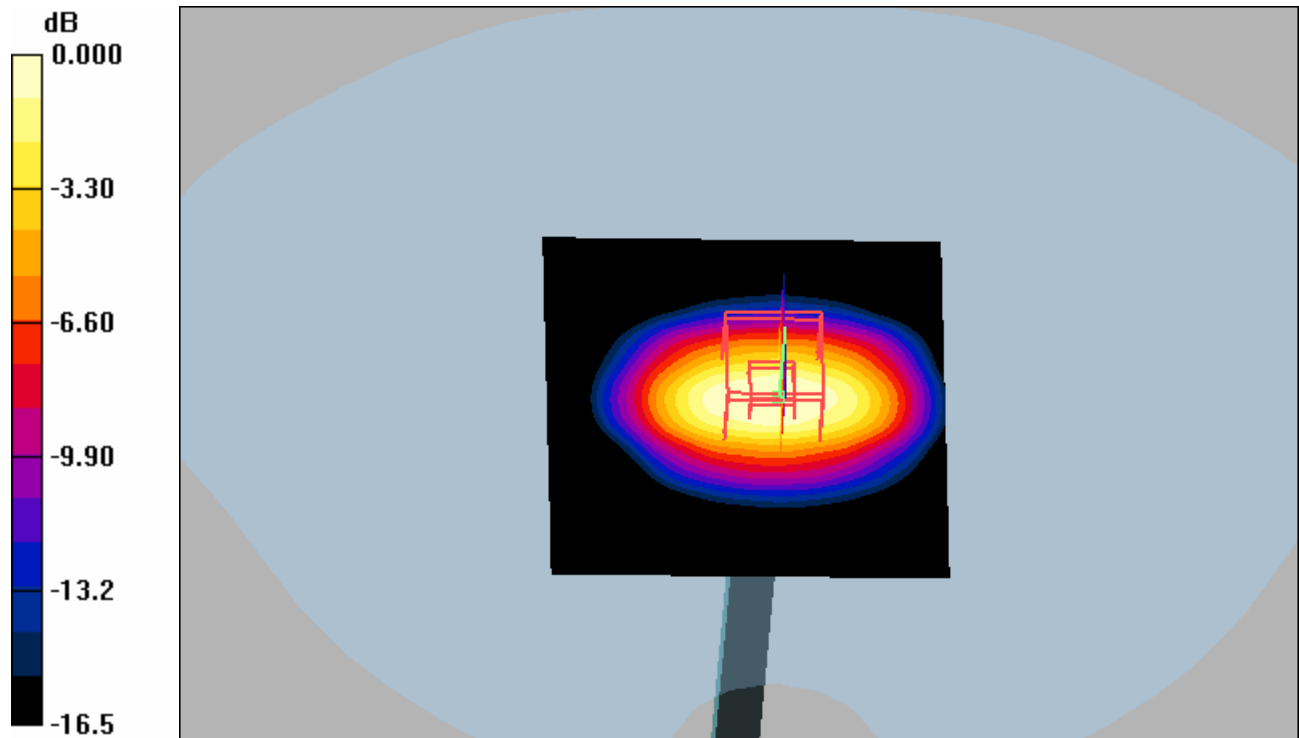
Peak SAR (extrapolated) = 6.91 W/kg

SAR(1 g) = 4.08 mW/g; SAR(10 g) = 2.19 mW/g

Maximum value of SAR (measured) = 4.64 mW/g

Procedure Notes: Pin: before 100.2 mW / after 100.2 mW

Humidity - 37.6 % Ambient Temp - 24.2 C Simulant Temp - 23.8 C



0 dB = 4.64mW/g



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Appendix 2

SAR distribution plots for Phantom Head Adjacent Use



| | |
|---|---|
| Prepared (also subject responsible if other) SEM/CV/PF/P Gerard Hayes and Rodney Dixon | No. REP 2006 003 W300i 02 |
| Approved SEM/CV/PF/P Gerard Hayes | Checked A X:\SAR Chamber\FCC reports\W300i\Final Reports\FCCW300i.doc |

800 GSM Band: SAR Distribution and Extrapolation of Maximum SAR

Model: W300i SN: BDX0000EUN with Standard Battery: BST-33

Right Side, Cheek/Touch Position.

Date/Time: 3/28/2006 11:01:07 AM

File Name: [28Mar06_W300i_GSM800_0EUN_RC01.da4](#)

DUT: W300i

Program Notes: Battery - BST33 Humidity - 34.5% Ambient Temp - 23.6 C Simulant Temp - 23.4 C

Communication System: GSM 850; Frequency: 849 MHz; Duty Cycle: 1:8.3

Medium: Head 835/900 MHz Medium parameters used (interpolated): f = 849 MHz; s = 0.899 mho/m; $\epsilon_r = 39.9$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1586; ConvF(6.58, 6.58, 6.58); Calibrated: 5/26/2005
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn416; Calibrated: 11/10/2005
- Phantom: SAM with CRP (Low Band Head); Type: SAM; Serial: 1251
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Unnamed procedure 3/Area Scan (51x81x1):

Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.647 mW/g

Unnamed procedure 3/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.12 V/m; Power Drift = 0.027 dB

Peak SAR (extrapolated) = 0.900 W/kg

SAR(1 g) = 0.607 mW/g; SAR(10 g) = 0.383 mW/g

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.656 mW/g

Unnamed procedure 3/Zoom Scan (31x31x36)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

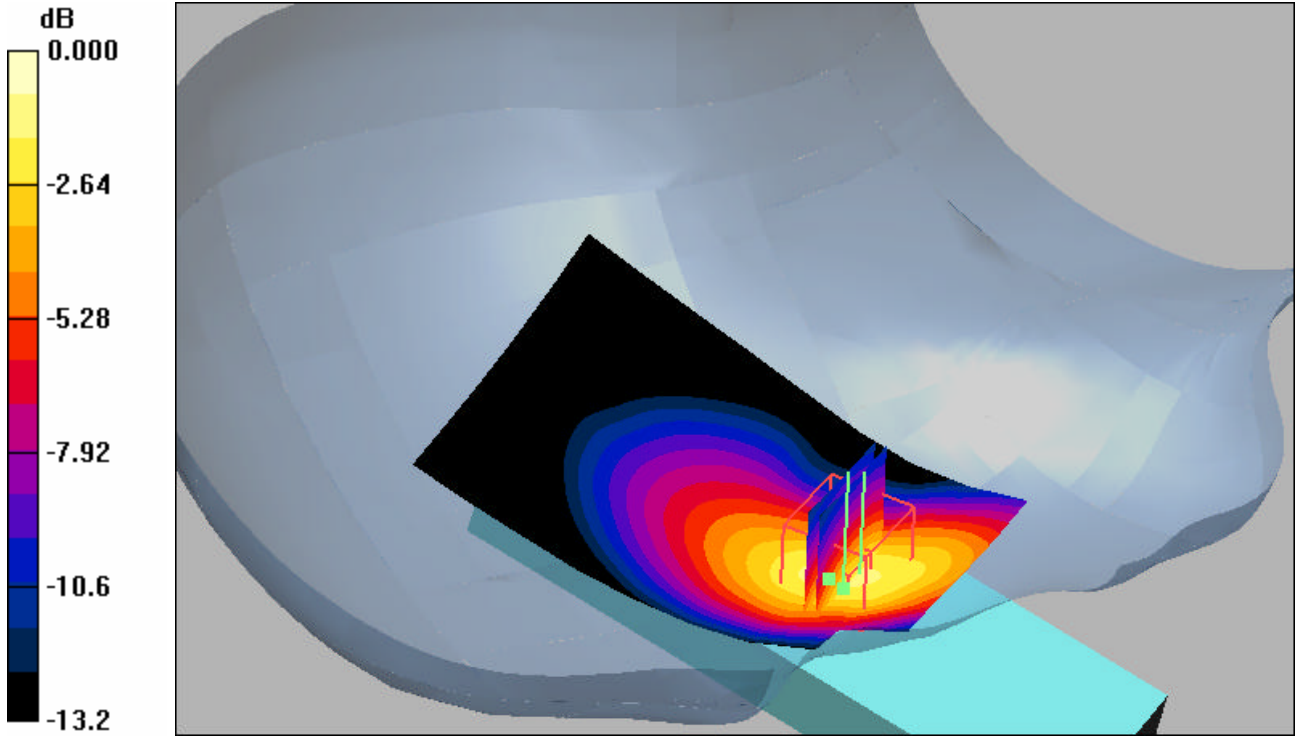
Reference Value = 7.12 V/m; Power Drift = 0.027 dB

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.900 mW/g



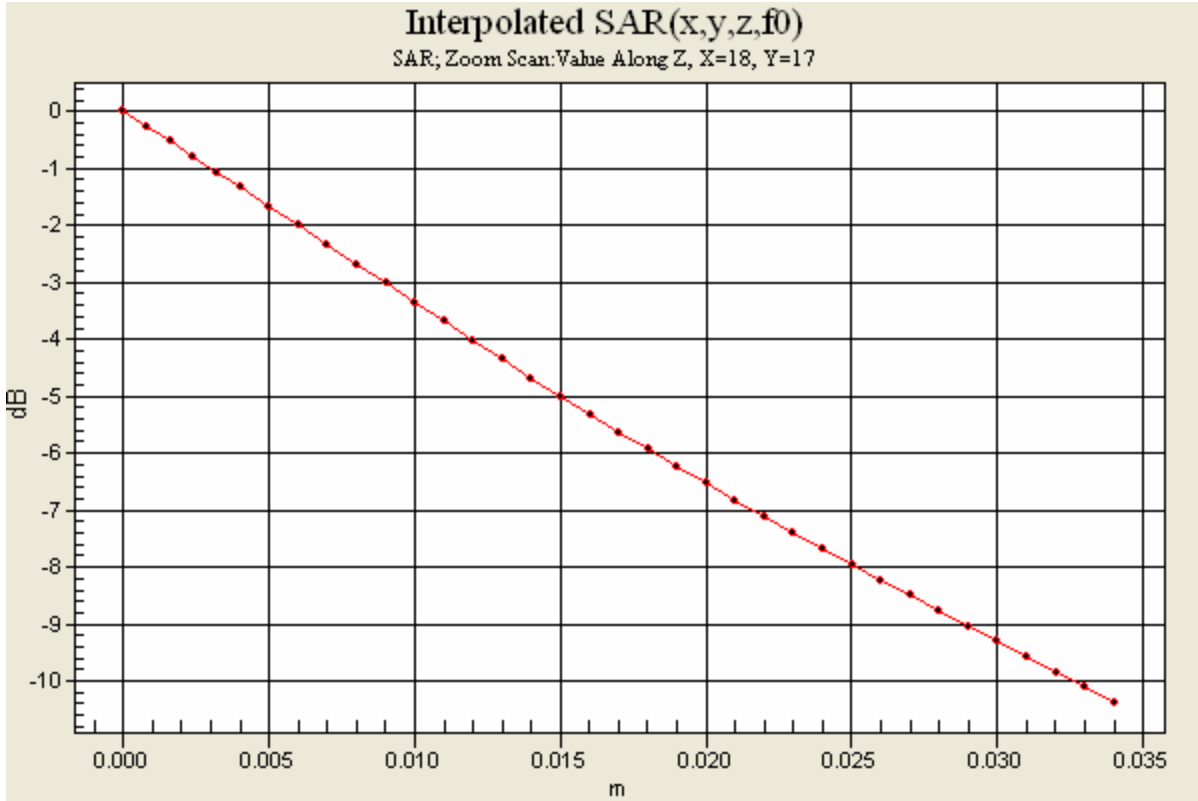
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| Prepared (also subject responsible if other) SEM/CV/PF/P Gerard Hayes and Rodney Dixon | | No. REP 2006 003 W300i 02 | |
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0 dB = 0.900mW/g



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**800 GSM Band: Distribution and Extrapolation of Maximum SAR
Model: W300i SN: BDX0000EUN with Standard Battery: BST-33
Right Side, Cheek/Tilt Position.**

Date/Time: 3/28/2006 11:24:59 AM

File Name: [28Mar06 W300i GSM800 0EUN RT01.da4](#)

DUT: W300i

Program Notes: Battery - BST33 Humidity - 34% Ambient Temp - 23.6 C Simulant Temp - 23.3 C

Communication System: GSM 850; Frequency: 849 MHz; Duty Cycle: 1:8.3

Medium: Head 835/900 MHz Medium parameters used (interpolated): f = 849 MHz; s = 0.899 mho/m; $\epsilon_r = 39.9$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1586; ConvF(6.58, 6.58, 6.58); Calibrated: 5/26/2005
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn416; Calibrated: 11/10/2005
- Phantom: SAM with CRP (Low Band Head); Type: SAM; Serial: 1251
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Unnamed procedure 3/Area Scan (51x81x1):

Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.137 mW/g

Unnamed procedure 3/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.68 V/m; Power Drift = -0.064 dB

Peak SAR (extrapolated) = 0.165 W/kg

SAR(1 g) = 0.126 mW/g; SAR(10 g) = 0.091 mW/g

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.135 mW/g

Unnamed procedure 3/Zoom Scan (31x31x36)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

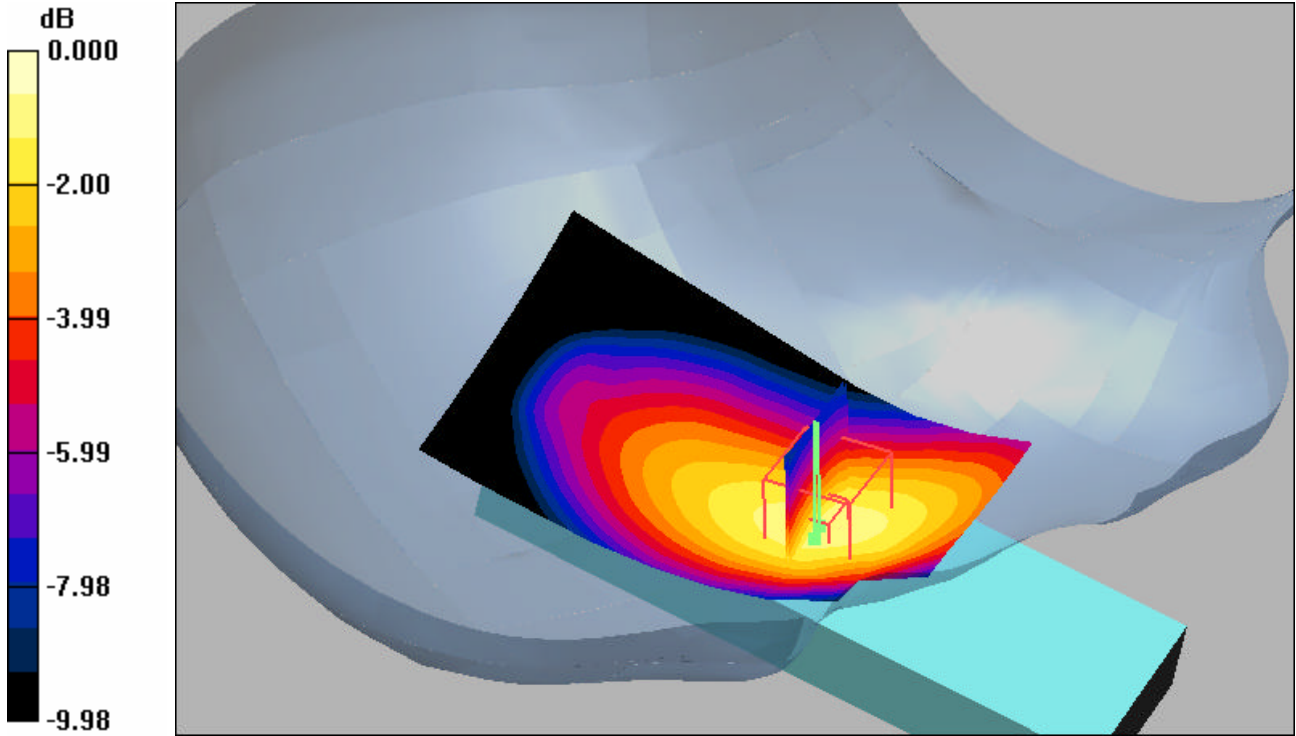
Reference Value = 6.68 V/m; Power Drift = -0.064 dB

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.165 mW/g



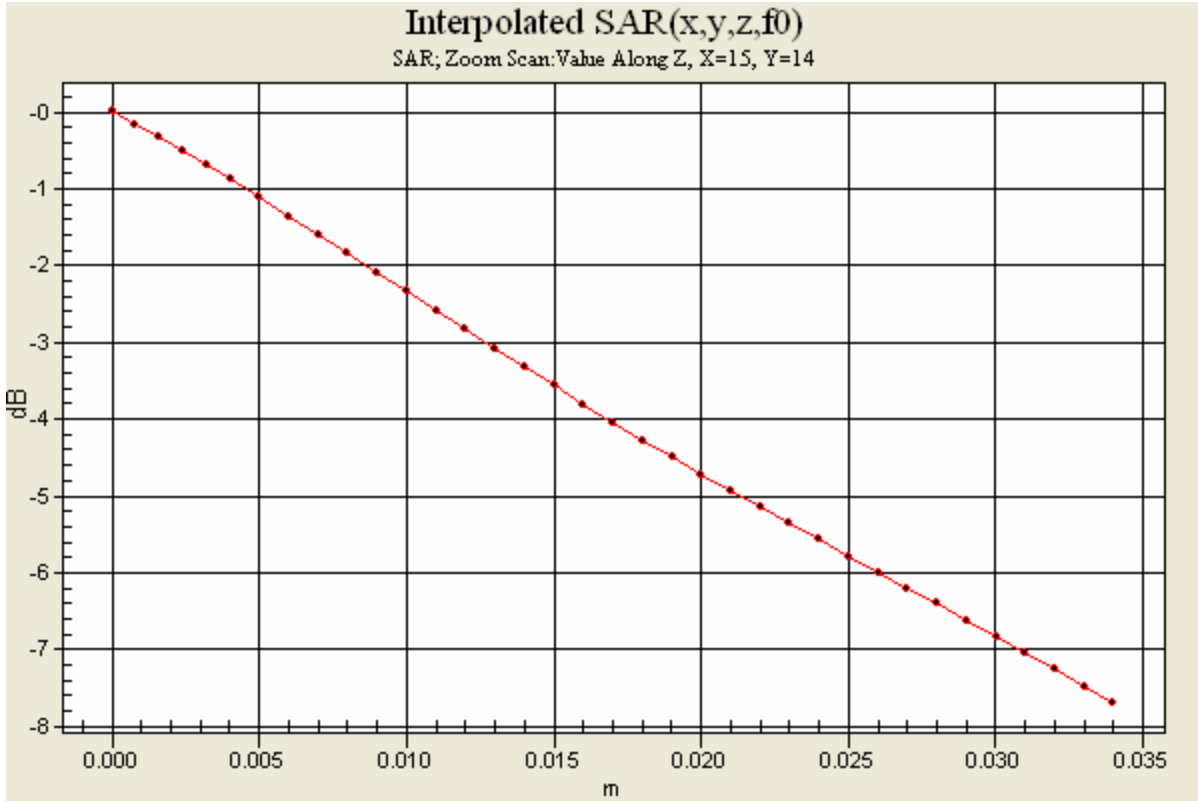
| | | | |
|---|---------|------------------------------|---|
| Prepared (also subject responsible if other) SEM/CV/PF/P Gerard Hayes and Rodney Dixon | | No. REP 2006 003 W300i 02 | |
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0 dB = 0.165mW/g



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| Approved SEM/CV/PF/P Gerard Hayes | Checked A X:\SAR Chamber\FCC reports\W300i\Final Reports\FCCW300i.doc |

**800 GSM Band: Distribution and Extrapolation of Maximum SAR
Model: W300i SN: BDX0000EUN with Standard Battery: BST-33
Left Side, Cheek/Touch Position.**

Date/Time: 3/28/2006 8:53:08 AM

File Name: [28Mar06_W300i_GSM800_0EUN_LC01.da4](#)

DUT: W300i

Program Notes: Battery - BST33 Humidity - 34.6 % Ambient Temp - 23.5 C Simulant Temp - 23.1 C

Communication System: GSM 850; Frequency: 849 MHz; Duty Cycle: 1:8.3

Medium: Head 835/900 MHz Medium parameters used (interpolated): f = 849 MHz; s = 0.899 mho/m; $\epsilon_r = 39.9$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1586; ConvF(6.58, 6.58, 6.58); Calibrated: 5/26/2005
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn416; Calibrated: 11/10/2005
- Phantom: SAM with CRP (Low Band Head); Type: SAM; Serial: 1251
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Unnamed procedure 3/Area Scan (51x81x1):

Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.592 mW/g

Unnamed procedure 3/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.63 V/m; Power Drift = -0.012 dB

Peak SAR (extrapolated) = 0.824 W/kg

SAR(1 g) = 0.549 mW/g; SAR(10 g) = 0.350 mW/g

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.592 mW/g

Unnamed procedure 3/Zoom Scan (31x31x36)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

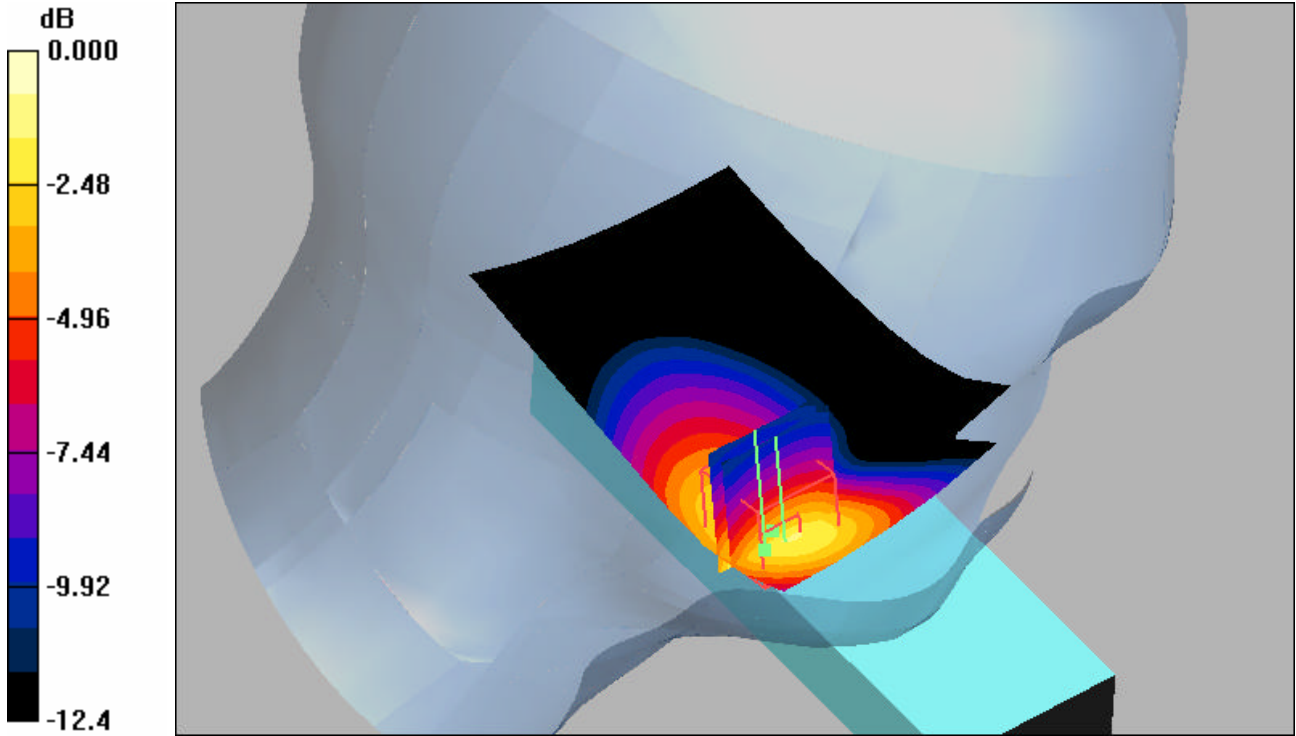
Reference Value = 5.63 V/m; Power Drift = -0.012 dB

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.824 mW/g



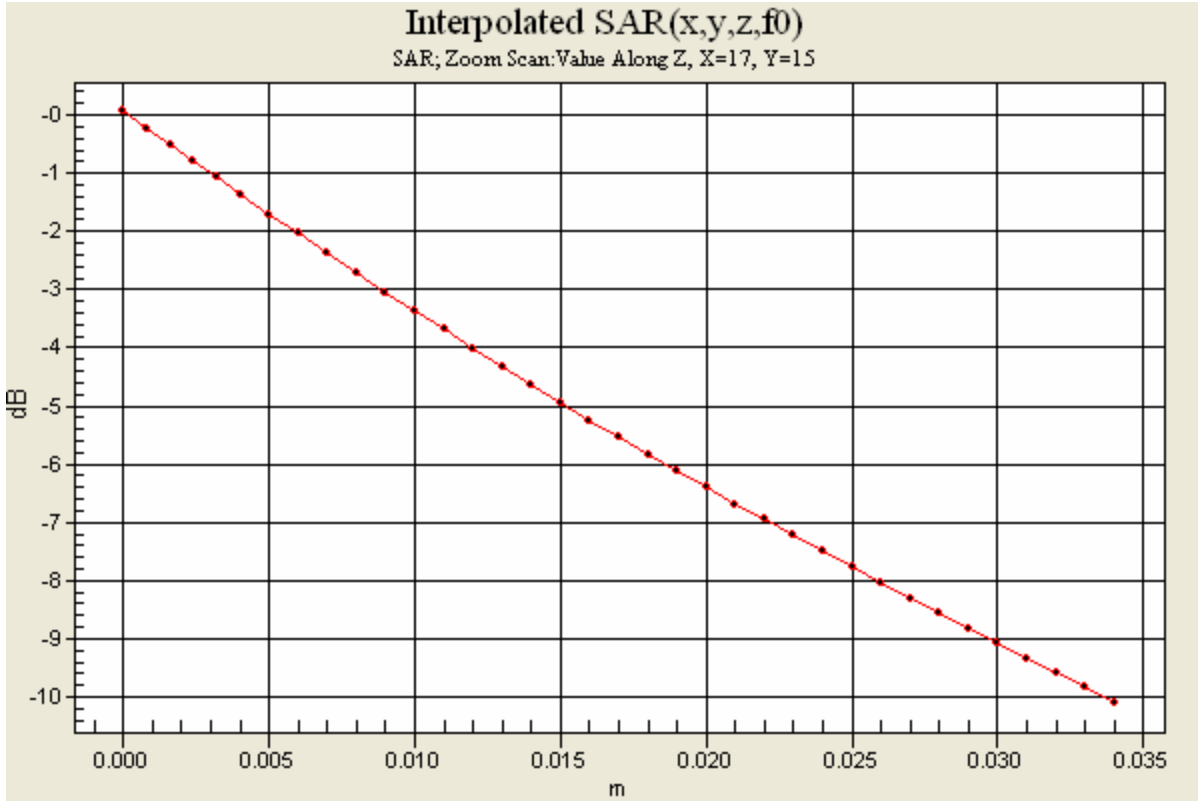
| | | | |
|---|---------|------------------------------|---|
| Prepared (also subject responsible if other) SEM/CV/PF/P Gerard Hayes and Rodney Dixon | | No. REP 2006 003 W300i 02 | |
| Approved SEM/CV/PF/P Gerard Hayes | Checked | A | X:\SAR Chamber\FCC reports\W300i\Final Reports\FCCW300i.doc |



0 dB = 0.824mW/g



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|---|---------|------------------------------|---|
| Prepared (also subject responsible if other) SEM/CV/PF/P Gerard Hayes and Rodney Dixon | | No. REP 2006 003 W300i 02 | |
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| Approved SEM/CV/PF/P Gerard Hayes | Checked | A | X:\SAR Chamber\FCC reports\W300i\Final Reports\FCCW300i.doc |

**800 GSM Band: Distribution and Extrapolation of Maximum SAR
Model: W300i SN: BDX0000EUN with Standard Battery: BST-33
Left Side, Tilt Position.**

Date/Time: 3/28/2006 9:13:33 AM

File Name: [28Mar06_W300i_GSM800_0EUN_LT01.da4](#)

DUT: W300i

Program Notes: Battery - BST33 Humidity - 33.8% Ambient Temp - 23.6 C Simulant Temp - 23.5 C

Communication System: GSM 850; Frequency: 849 MHz; Duty Cycle: 1:8.3

Medium: Head 835/900 MHz Medium parameters used (interpolated): f = 849 MHz; s = 0.899 mho/m; $\epsilon_r = 39.9$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1586; ConvF(6.58, 6.58, 6.58); Calibrated: 5/26/2005
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn416; Calibrated: 11/10/2005
- Phantom: SAM with CRP (Low Band Head); Type: SAM; Serial: 1251
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Unnamed procedure 3/Area Scan (51x81x1):

Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.118 mW/g

Unnamed procedure 3/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.89 V/m; Power Drift = -0.035 dB

Peak SAR (extrapolated) = 0.144 W/kg

SAR(1 g) = 0.111 mW/g; SAR(10 g) = 0.082 mW/g

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.116 mW/g

Unnamed procedure 3/Zoom Scan (31x31x36)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

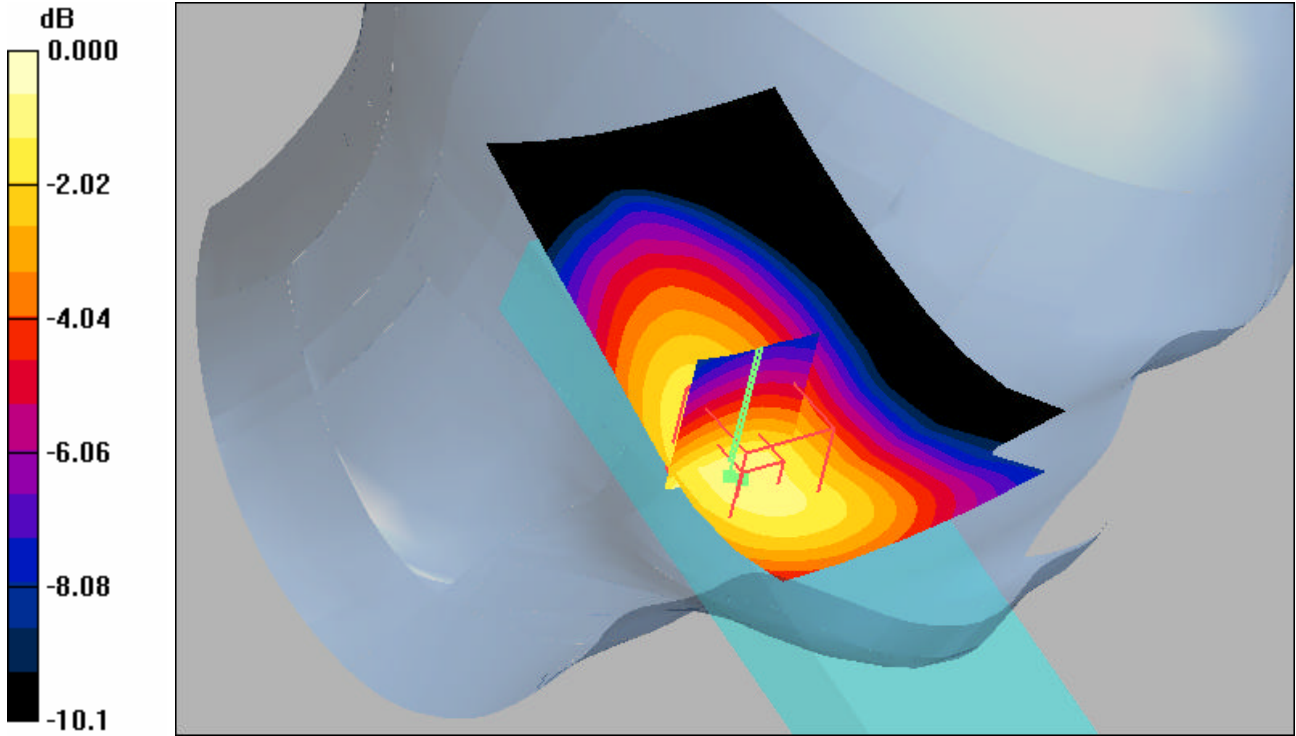
Reference Value = 5.89 V/m; Power Drift = -0.035 dB

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.144 mW/g



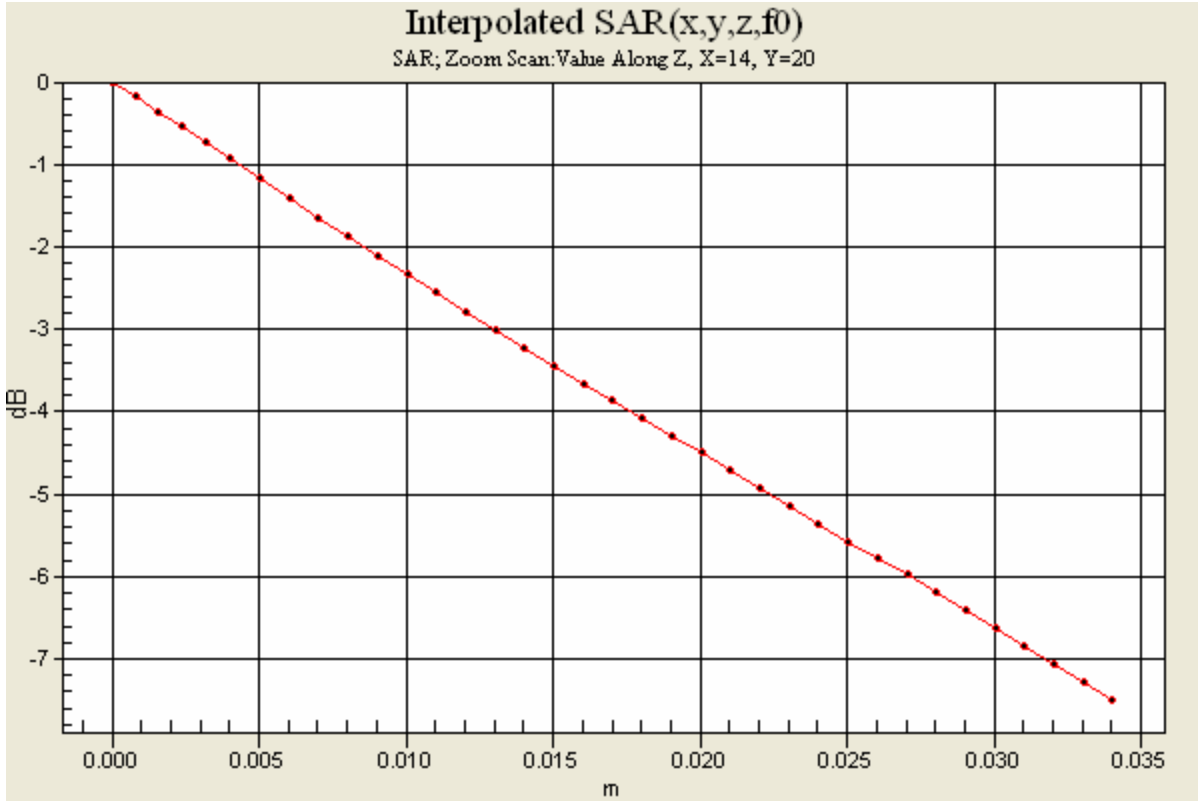
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0 dB = 0.144mW/g



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**800 GSM Band: Distribution and Extrapolation of Maximum SAR
Model: W300i SN: BDX0000EUN with Standard Battery: BST-33
Right Side, Cheek/Touch Position with Blue Tooth.**

Date/Time: 3/28/2006 1:29:14 PM

File Name: [28Mar06 W300i GSM800 0EUN BT RC01.da4](#)

DUT: W300i

Program Notes: Battery - BST33 Humidity - 34% Ambient Temp - 23.6 C Simulant Temp - 23.3 C

Communication System: GSM 850; Frequency: 849 MHz; Duty Cycle: 1:8.3

Medium: Head 835/900 MHz Medium parameters used (interpolated): f = 849 MHz; s = 0.899 mho/m; $\epsilon_r = 39.9$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DVB6 - SN1586; ConvF(6.58, 6.58, 6.58); Calibrated: 5/26/2005
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn416; Calibrated: 11/10/2005
- Phantom: SAM with CRP (Low Band Head); Type: SAM; Serial: 1251
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Unnamed procedure 3/Area Scan (51x81x1):

Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.648 mW/g

Unnamed procedure 3/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.30 V/m; Power Drift = -0.121 dB

Peak SAR (extrapolated) = 0.894 W/kg

SAR(1 g) = 0.607 mW/g; SAR(10 g) = 0.384 mW/g

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.658 mW/g

Unnamed procedure 3/Zoom Scan (31x31x36)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.30 V/m; Power Drift = -0.121 dB

[Info: Interpolated medium parameters used for SAR evaluation.](#)

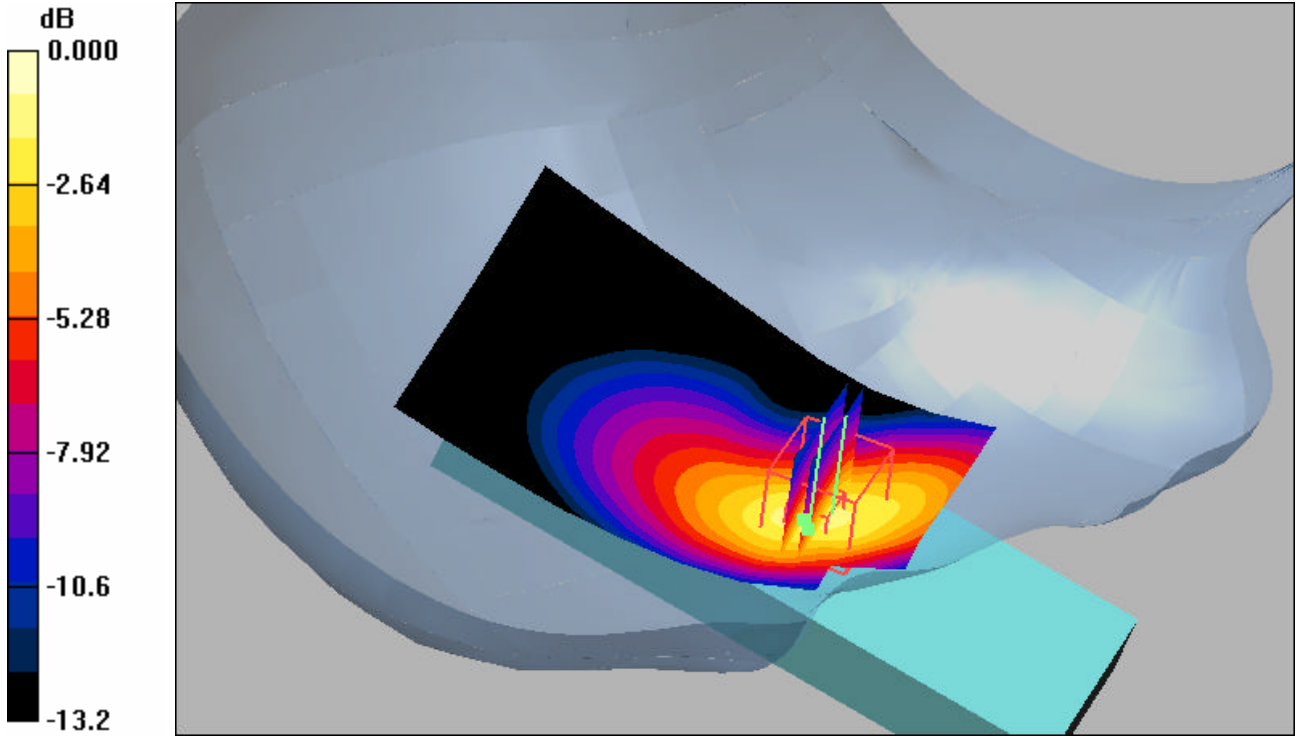
Maximum value of SAR (interpolated) = 0.894 mW/g



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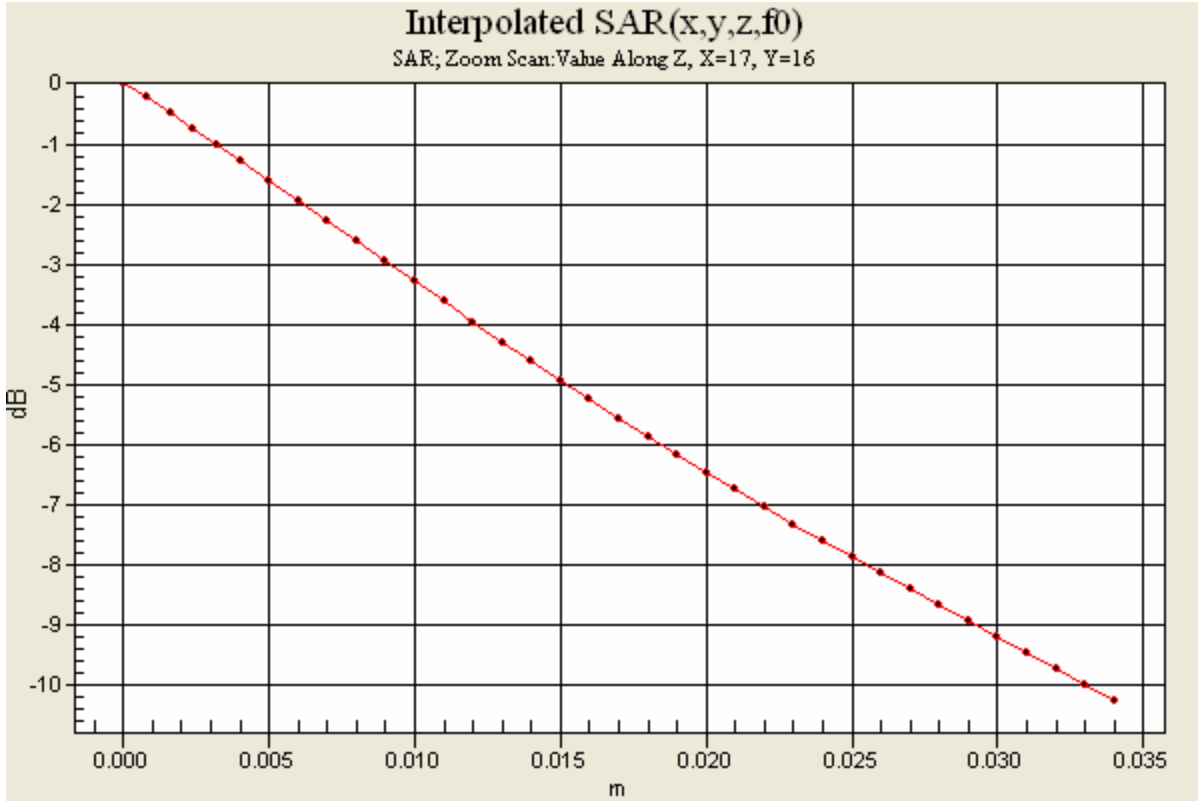
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0 dB = 0.894mW/g



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1900 GSM Band: Distribution and Extrapolation of Maximum SAR

Model: W300i SN: BDX000ES1 with Standard Battery: BST-33

Right Side, Cheek/Touch Position.

Date/Time: 3/23/2006 12:49:38 PM

File Name: [23Mar06 W300i GSM1900 0ES1 RC01.da4](#)

DUT: W300i

Program Notes: Battery - BST33 Humidity - 36.2% Ambient Temp - 23 C Simulant Tem - 22.5 C

Communication System: DCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3

Medium: Head 1800/1900 MHz Medium parameters used: f = 1880 MHz; s = 1.45 mho/m; $\epsilon_r = 38.4$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1539; ConvF(4.55, 4.55, 4.55); Calibrated: 11/22/2005
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn345; Calibrated: 11/10/2005
- Phantom: SAM with CRP (High Band Head); Type: SAM; Serial: TP: 1054
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Unnamed procedure 2/Area Scan (51x81x1):

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.21 mW/g

Unnamed procedure 2/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 25.0 V/m; Power Drift = -0.099 dB

Peak SAR (extrapolated) = 1.85 W/kg

SAR(1 g) = 1.1 mW/g; SAR(10 g) = 0.610 mW/g

Maximum value of SAR (measured) = 1.23 mW/g

Unnamed procedure 2/Zoom Scan (7x7x7)/Cube 1:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 25.0 V/m; Power Drift = -0.099 dB

Peak SAR (extrapolated) = 1.13 W/kg

SAR(1 g) = 0.848 mW/g; SAR(10 g) = 0.546 mW/g

Maximum value of SAR (measured) = 0.921 mW/g

Unnamed procedure 2/Zoom Scan (31x31x36)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 25.0 V/m; Power Drift = -0.099 dB

Maximum value of SAR (interpolated) = 1.85 mW/g

Unnamed procedure 2/Zoom Scan (31x31x36)/Cube 1:

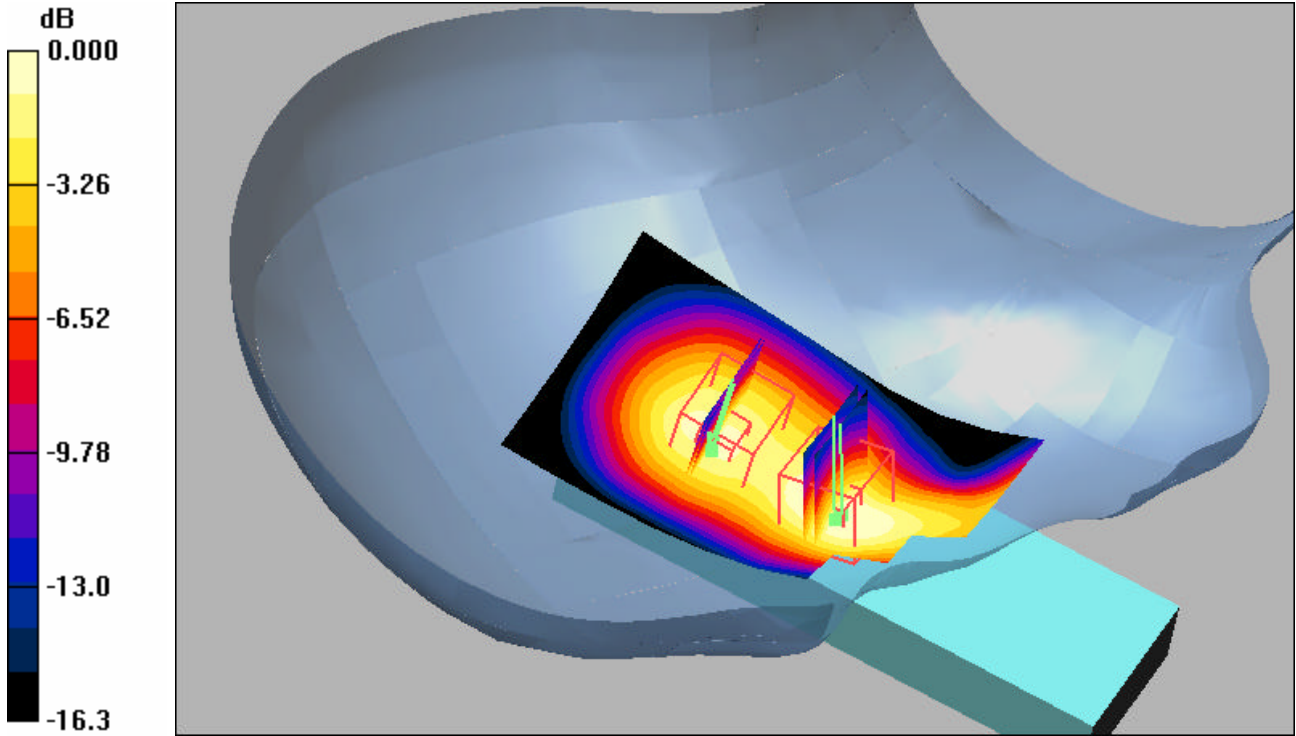
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 25.0 V/m; Power Drift = -0.099 dB

Maximum value of SAR (interpolated) = 1.13 mW/g



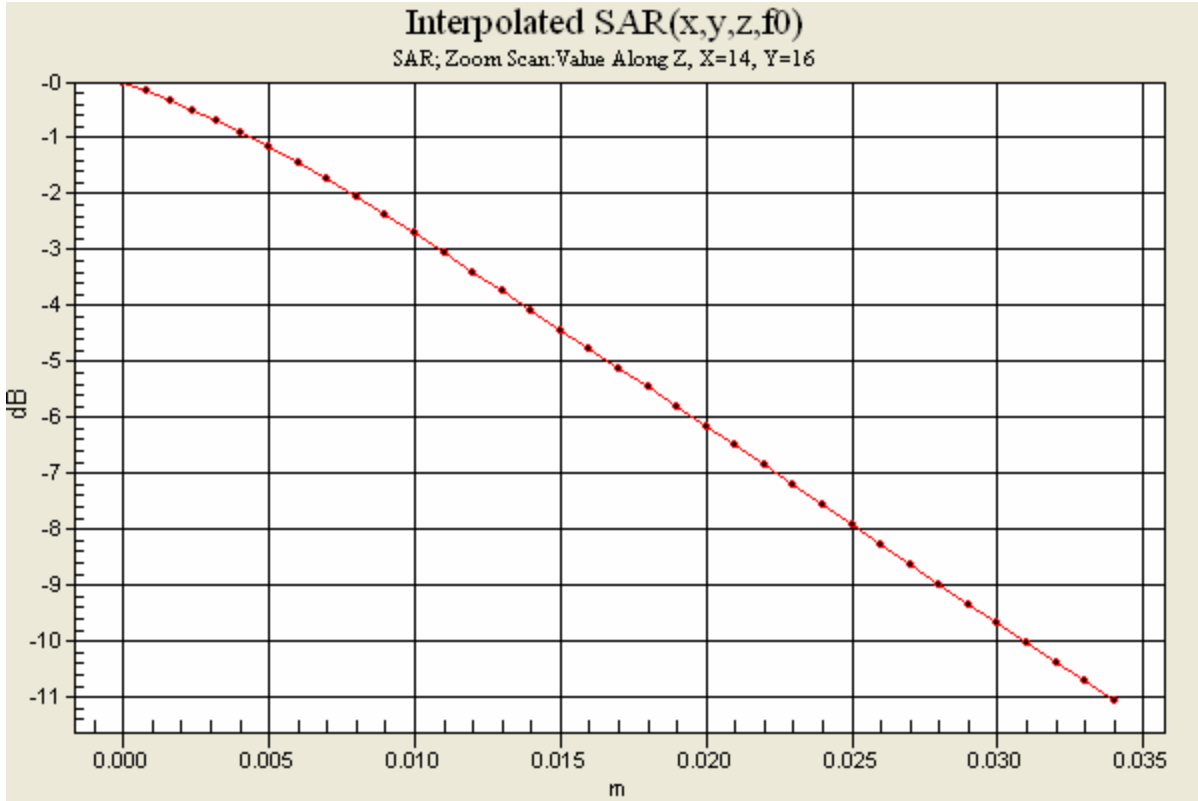
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0 dB = 1.13mW/g



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1900 GSM Band: Distribution and Extrapolation of Maximum SAR

Model: W300i SN: BDX0000ES1 with Standard Battery: BST-33

Right Side, Tilt Position.

Date/Time: 3/23/2006 1:54:12 PM

File Name: [23Mar06 W300i GSM1900 0ES1 RT01.da4](#)

DUT: W300i

Program Notes: Battery - BST33 Humidity - 36.6% Ambient Temp - 23.1 C Simulant Tem - 22.6 C

Communication System: DCS 1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3

Medium: Head 1800/1900 MHz Medium parameters used (interpolated): f = 1850.2 MHz; s = 1.43 mho/m; $\epsilon_r = 38.5$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DVB6 - SN1539; ConvF(4.55, 4.55, 4.55); Calibrated: 11/22/2005
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn345; Calibrated: 11/10/2005
- Phantom: SAM with CRP (High Band Head); Type: SAM; Serial: TP: 1054
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Unnamed procedure/Area Scan (51x81x1):

Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.956 mW/g

Unnamed procedure/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.31 V/m; Power Drift = 0.055 dB

Peak SAR (extrapolated) = 1.12 W/kg

SAR(1 g) = 0.797 mW/g; SAR(10 g) = 0.496 mW/g

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.868 mW/g

Unnamed procedure/Zoom Scan (31x31x36)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

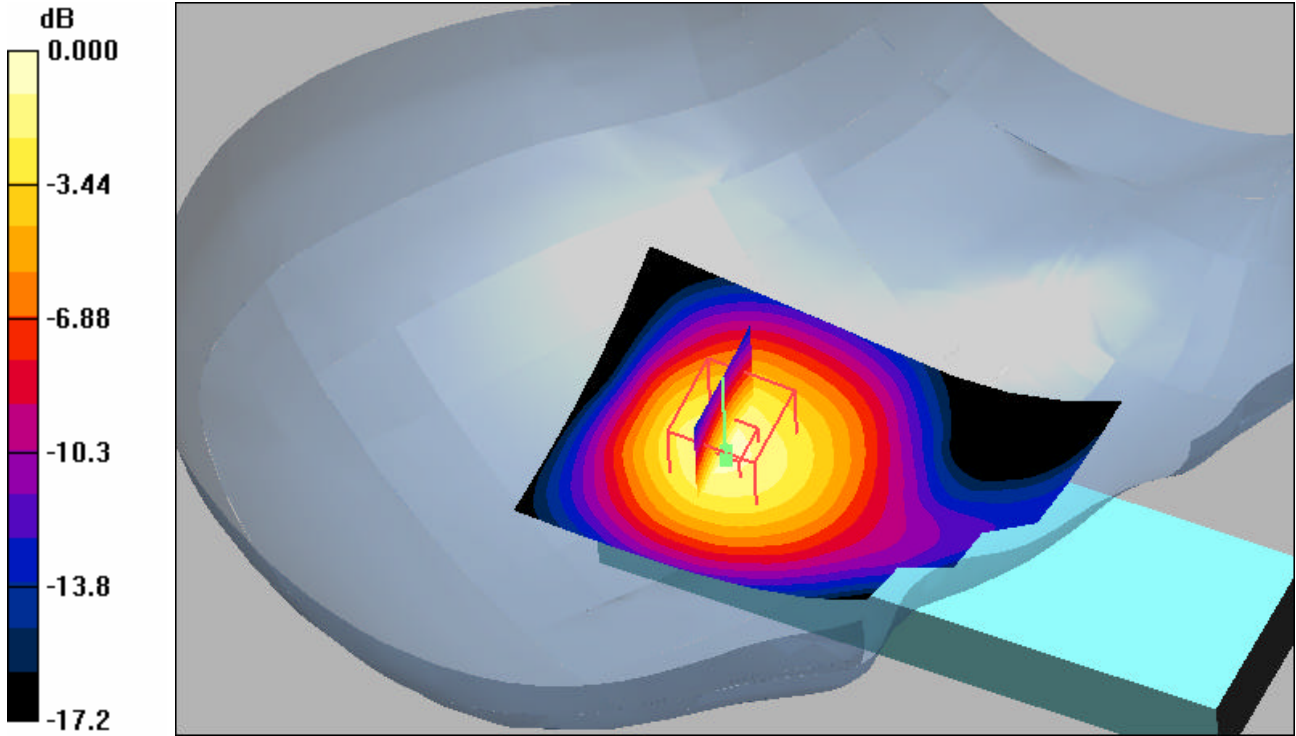
Reference Value = 7.31 V/m; Power Drift = 0.055 dB

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 1.12 mW/g



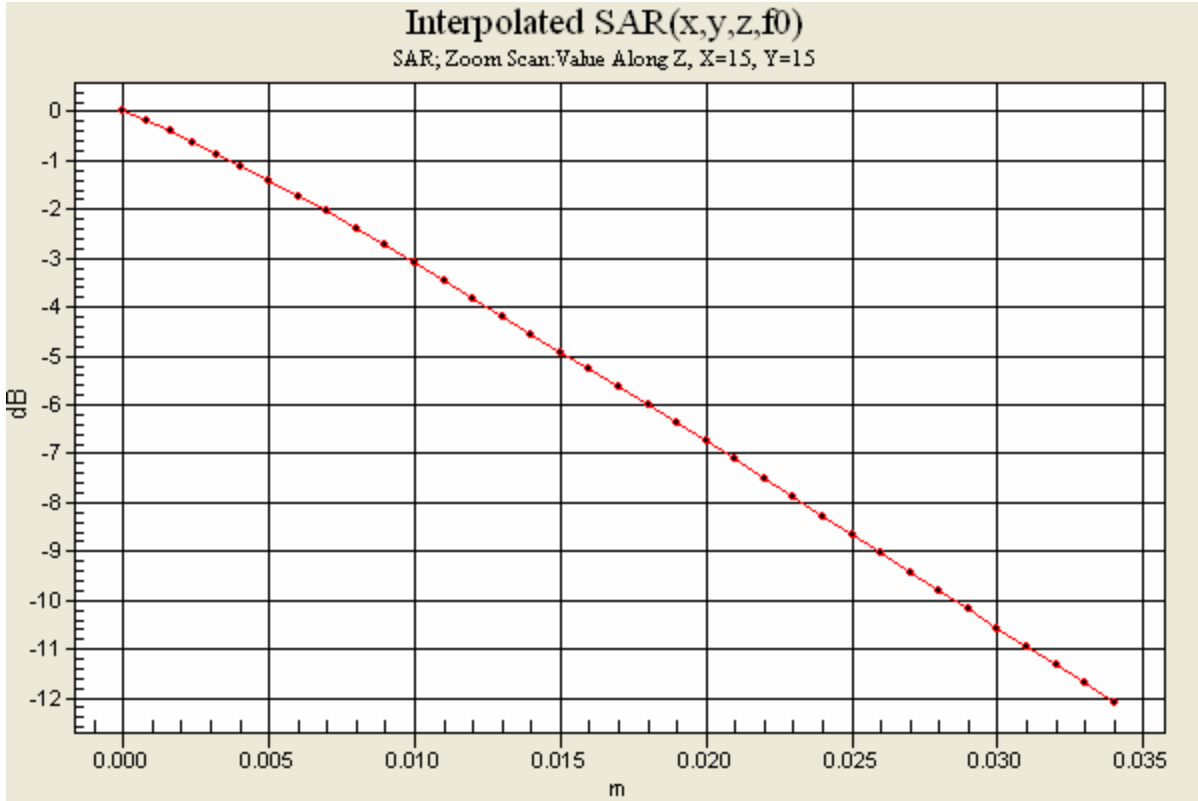
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0 dB = 1.12mW/g



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1900 GSM Band: Distribution and Extrapolation of Maximum SAR

Model: W300i SN: BDX0000ES1 with Standard Battery: BST-33

Left Side, Cheek/Touch Position.

Date/Time: 3/23/2006 8:09:10 AM

File Name: [23Mar06 W300i GSM1900 0ES1 LC01.da4](#)

DUT: W300i

Program Notes: Battery - BST-33 Humidity - 35.7% Ambient Temp - 22.8 C Simulant Temp - 22.6 C

Communication System: DCS 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3

Medium: Head 1800/1900 MHz Medium parameters used: f = 1910 MHz; s = 1.48 mho/m; $\epsilon_r = 38.2$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1539; ConvF(4.55, 4.55, 4.55); Calibrated: 11/22/2005
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn345; Calibrated: 11/10/2005
- Phantom: SAM with CRP (High Band Head); Type: SAM; Serial: TP: 1054
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Unnamed procedure 3/Area Scan (51x81x1):

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.59 mW/g

Unnamed procedure 3/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 15.0 V/m; Power Drift = 0.095 dB

Peak SAR (extrapolated) = 2.28 W/kg

SAR(1 g) = 1.42 mW/g; SAR(10 g) = 0.769 mW/g

Maximum value of SAR (measured) = 1.62 mW/g

Unnamed procedure 3/Zoom Scan (7x7x7)/Cube 1:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 15.0 V/m; Power Drift = 0.095 dB

Peak SAR (extrapolated) = 1.41 W/kg

SAR(1 g) = 1.01 mW/g; SAR(10 g) = 0.625 mW/g

Maximum value of SAR (measured) = 1.10 mW/g

Unnamed procedure 3/Zoom Scan (31x31x36)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 15.0 V/m; Power Drift = 0.095 dB

Maximum value of SAR (interpolated) = 2.28 mW/g

Unnamed procedure 3/Zoom Scan (31x31x36)/Cube 1:

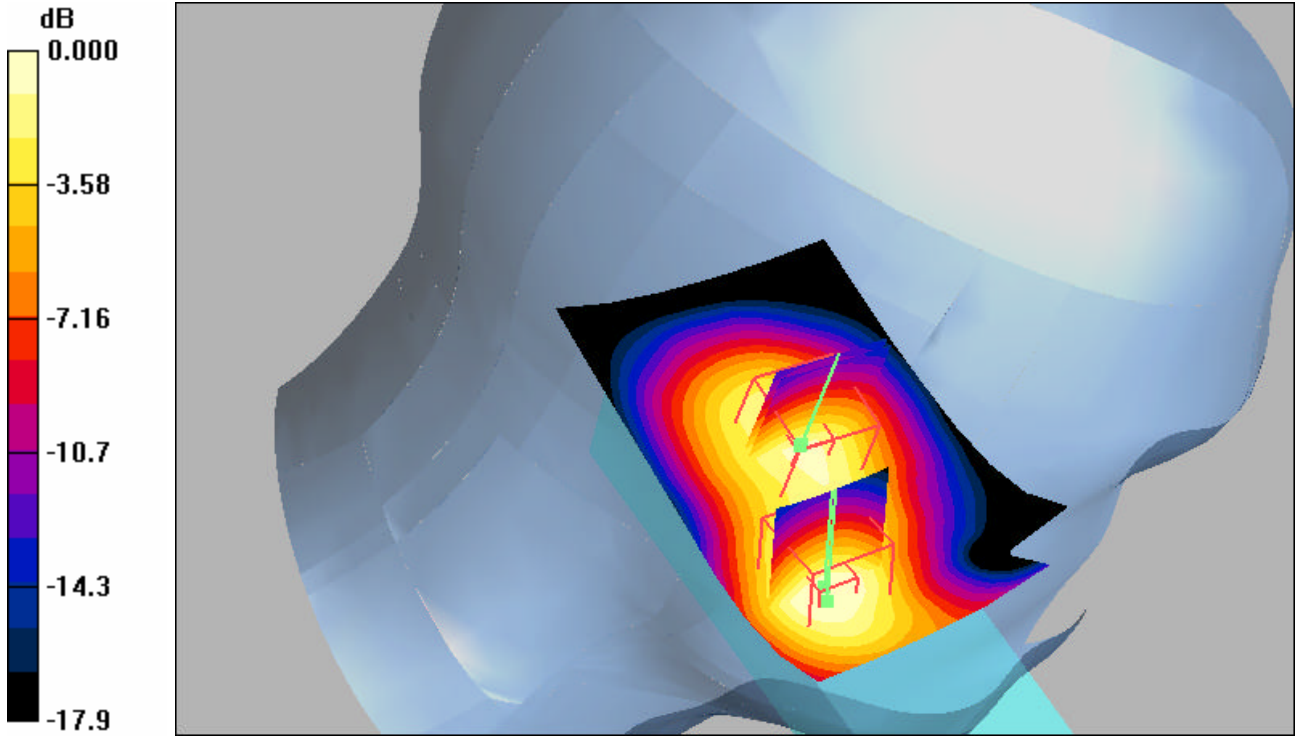
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 15.0 V/m; Power Drift = 0.095 dB

Maximum value of SAR (interpolated) = 1.41 mW/g



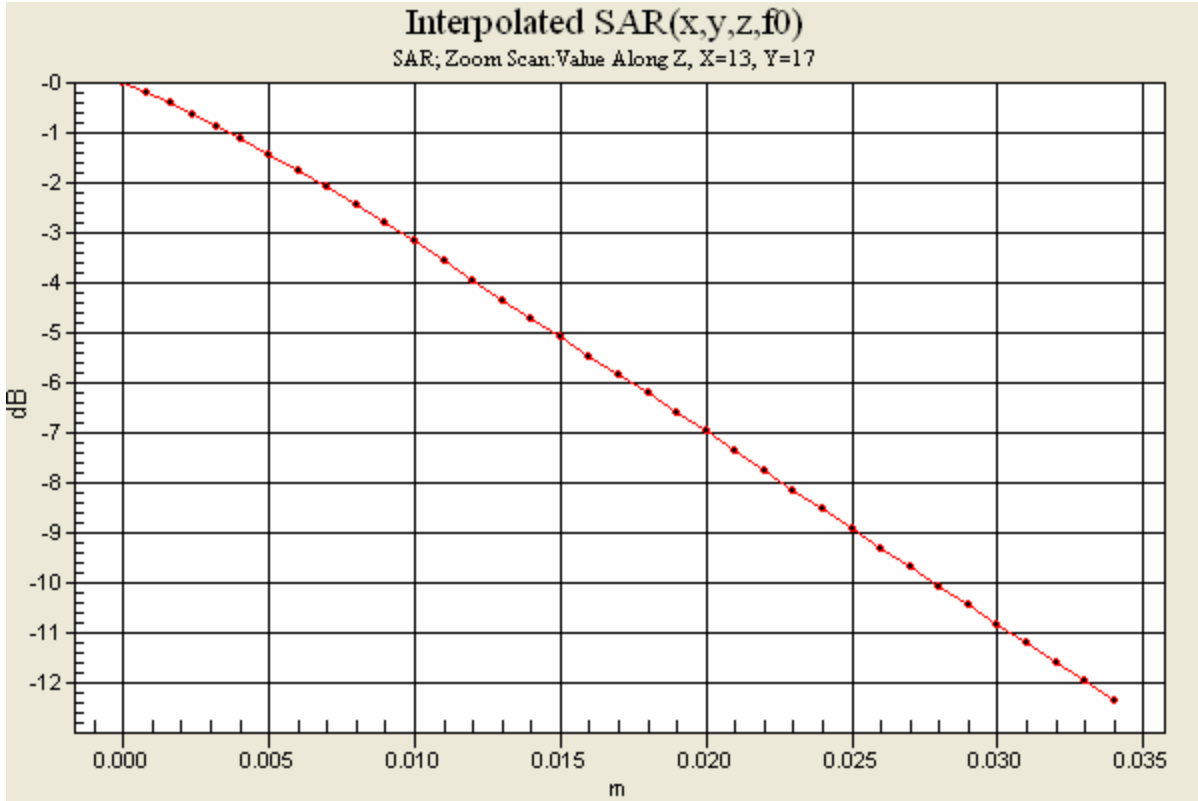
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0 dB = 1.41mW/g



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1900 GSM Band: Distribution and Extrapolation of Maximum SAR

Model: W300i SN: BDX0000ES1 with Standard Battery: BST-33

Left Side, Tilt Position.

Date/Time: 3/23/2006 9:55:52 AM

File Name: [23Mar06_W300i_GSM1900_OES1_LT01.da4](#)

DUT: W300i

Program Notes: Battery - BST-33 Humidity - 36.4% Ambient Temp - 22.6 C Simulant Temp - 22.5

Communication System: DCS 1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3

Medium: Head 1800/1900 MHz Medium parameters used (interpolated): f = 1850.2 MHz; s = 1.43 mho/m; $\epsilon_r = 38.5$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1539; ConvF(4.55, 4.55, 4.55); Calibrated: 11/22/2005
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn345; Calibrated: 11/10/2005
- Phantom: SAM with CRP (High Band Head); Type: SAM; Serial: TP: 1054
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Unnamed procedure/Area Scan (51x81x1):

Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 1.03 mW/g

Unnamed procedure/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 19.0 V/m; Power Drift = 0.026 dB

Peak SAR (extrapolated) = 1.23 W/kg

SAR(1 g) = 0.848 mW/g; SAR(10 g) = 0.519 mW/g

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.931 mW/g

Unnamed procedure/Zoom Scan (31x31x36)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 19.0 V/m; Power Drift = 0.026 dB

[Info: Interpolated medium parameters used for SAR evaluation.](#)

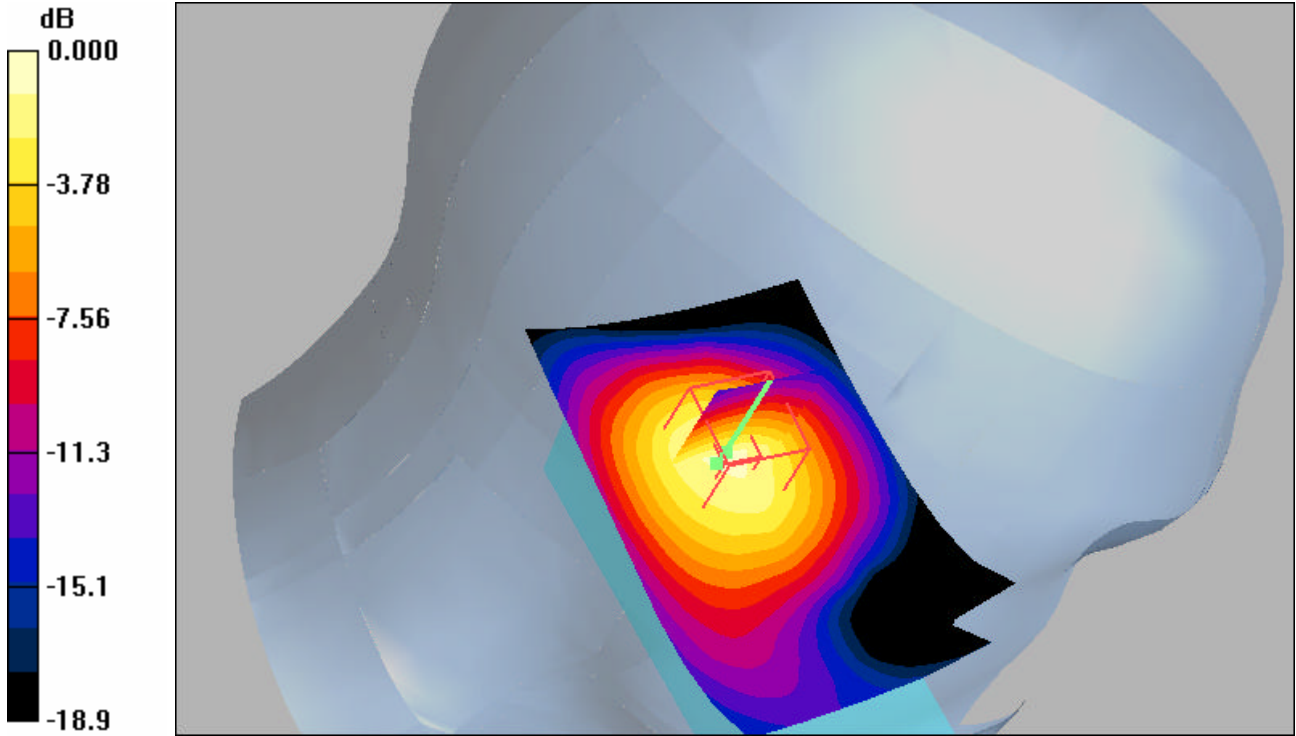
Maximum value of SAR (interpolated) = 1.23 mW/g



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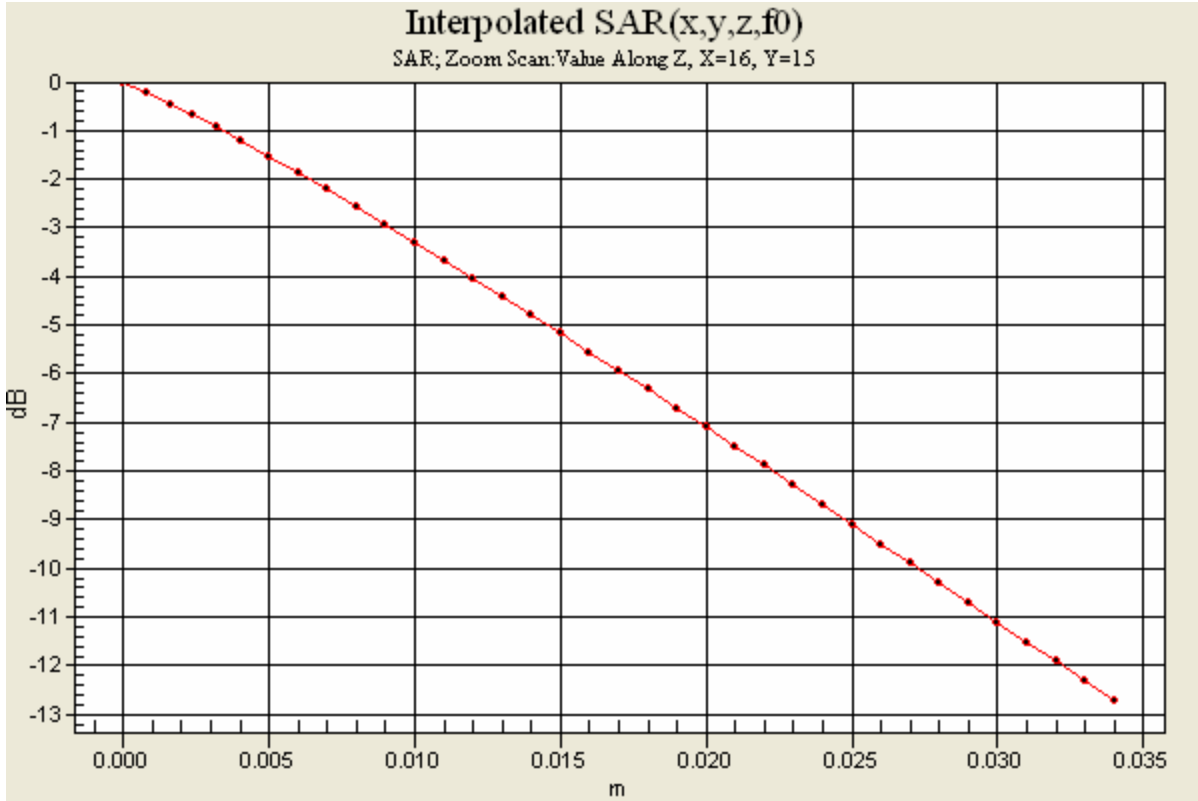
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0 dB = 1.23mW/g



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1900 GSM Band: Distribution and Extrapolation of Maximum SAR

Model: W300i SN: BDX0000ES1 with Standard Battery: BST-33

Left Side, Cheek/Touch Position with Blue Tooth.

Date/Time: 3/23/2006 2:57:55 PM

File Name: [23Mar06 W300i GSM1900 0ES1 BT LC01.da4](#)

DUT: W300i

Program Notes: Battery - BST33 Humidity - 36.6% Ambient Temp - 23.1 C Simulant Tem - 22.6 C

Communication System: DCS 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3

Medium: Head 1800/1900 MHz Medium parameters used: f = 1910 MHz; s = 1.48 mho/m; $\epsilon_r = 38.2$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1539; ConvF(4.55, 4.55, 4.55); Calibrated: 11/22/2005
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn345; Calibrated: 11/10/2005
- Phantom: SAM with CRP (High Band Head); Type: SAM; Serial: TP: 1054
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Unnamed procedure 3/Area Scan (51x81x1):

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.54 mW/g

Unnamed procedure 3/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 15.4 V/m; Power Drift = -0.001 dB

Peak SAR (extrapolated) = 2.20 W/kg

SAR(1 g) = 1.38 mW/g; SAR(10 g) = 0.746 mW/g

Maximum value of SAR (measured) = 1.56 mW/g

Unnamed procedure 3/Zoom Scan (7x7x7)/Cube 1:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 15.4 V/m; Power Drift = -0.001 dB

Peak SAR (extrapolated) = 1.33 W/kg

SAR(1 g) = 0.971 mW/g; SAR(10 g) = 0.605 mW/g

Maximum value of SAR (measured) = 1.06 mW/g

Unnamed procedure 3/Zoom Scan (31x31x36)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 15.4 V/m; Power Drift = -0.001 dB

Maximum value of SAR (interpolated) = 2.20 mW/g

Unnamed procedure 3/Zoom Scan (31x31x36)/Cube 1:

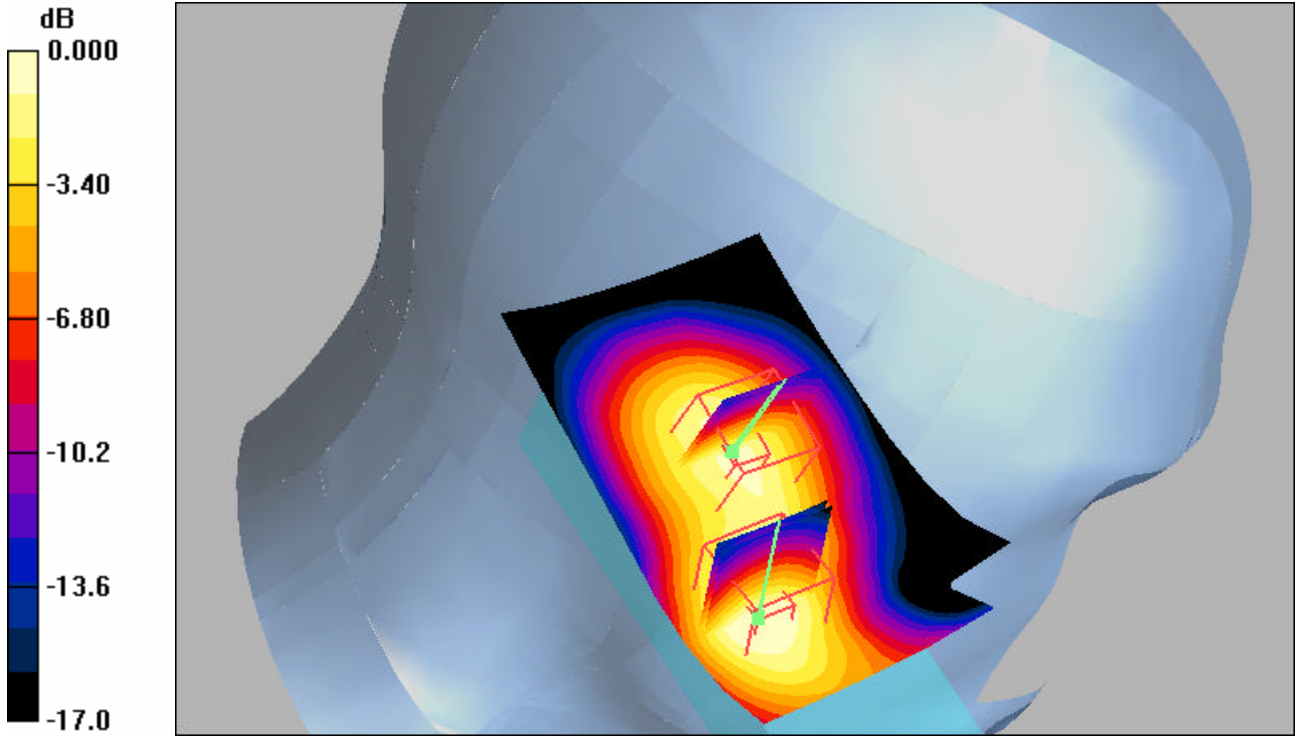
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 15.4 V/m; Power Drift = -0.001 dB

Maximum value of SAR (interpolated) = 1.33 mW/g



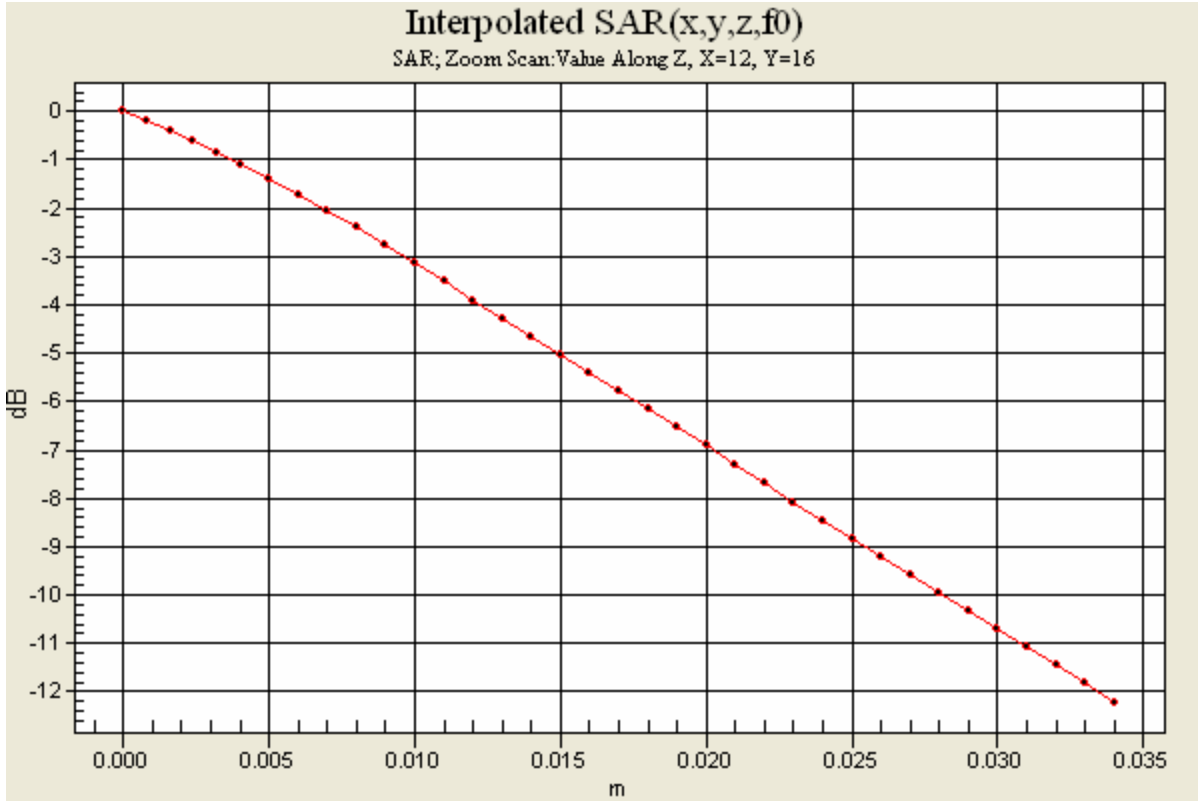
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0 dB = 1.33mW/g



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Appendix 3

SAR distribution plots for Body Worn Configuration



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Distribution of maximum SAR in 800 GSM band. Measured with back of device facing the body using a 15mm Spacer. (Standard Battery, BST-33)

Date/Time: 3/25/2006 9:18:09 AM

File Name: [25Mar06 W300i GSM850 0EUN 15mm BB01.da4](#)

DUT: W300i body

Program Notes: Battery - BST33 Humidity - 32.1% Ambient Temp - 24.3 C Simulant Temp - 24 C

Communication System: GSM 850 multi-slot Body; Frequency: 849 MHz; Duty Cycle: 1:4.15

Medium: Head 835/900 MHz Medium parameters used (interpolated): f = 849 MHz; s = 1 mho/m; $\epsilon_r = 52.5$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1539; ConvF(5.88, 5.88, 5.88); Calibrated: 11/22/2005

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn345; Calibrated: 11/10/2005

- Phantom: SAM with CRP (Low Band Body); Type: SAM; Serial: TP: 1031

- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Unnamed procedure 3/Area Scan (51x81x1):

Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 1.15 mW/g

Unnamed procedure 3/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 30.9 V/m; Power Drift = -0.091 dB

Peak SAR (extrapolated) = 1.54 W/kg

SAR(1 g) = 1.08 mW/g; SAR(10 g) = 0.724 mW/g

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.16 mW/g

Unnamed procedure 3/Zoom Scan (7x7x7)/Cube 1:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 30.9 V/m; Power Drift = -0.091 dB

Peak SAR (extrapolated) = 1.61 W/kg

SAR(1 g) = 0.927 mW/g; SAR(10 g) = 0.591 mW/g

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.01 mW/g

Unnamed procedure 3/Zoom Scan (31x31x36)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 30.9 V/m; Power Drift = -0.091 dB

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 1.54 mW/g

Unnamed procedure 3/Zoom Scan (31x31x36)/Cube 1:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 30.9 V/m; Power Drift = -0.091 dB

[Info: Interpolated medium parameters used for SAR evaluation.](#)

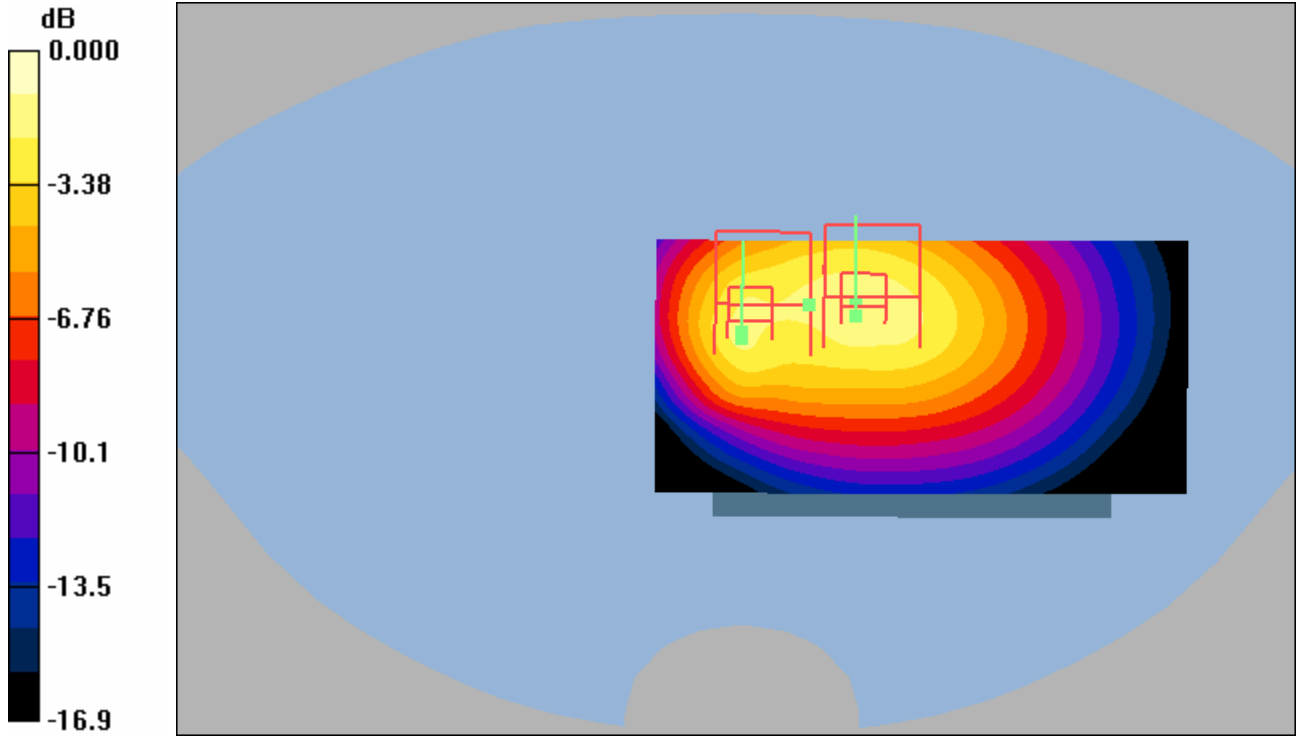
Maximum value of SAR (interpolated) = 1.61 mW/g



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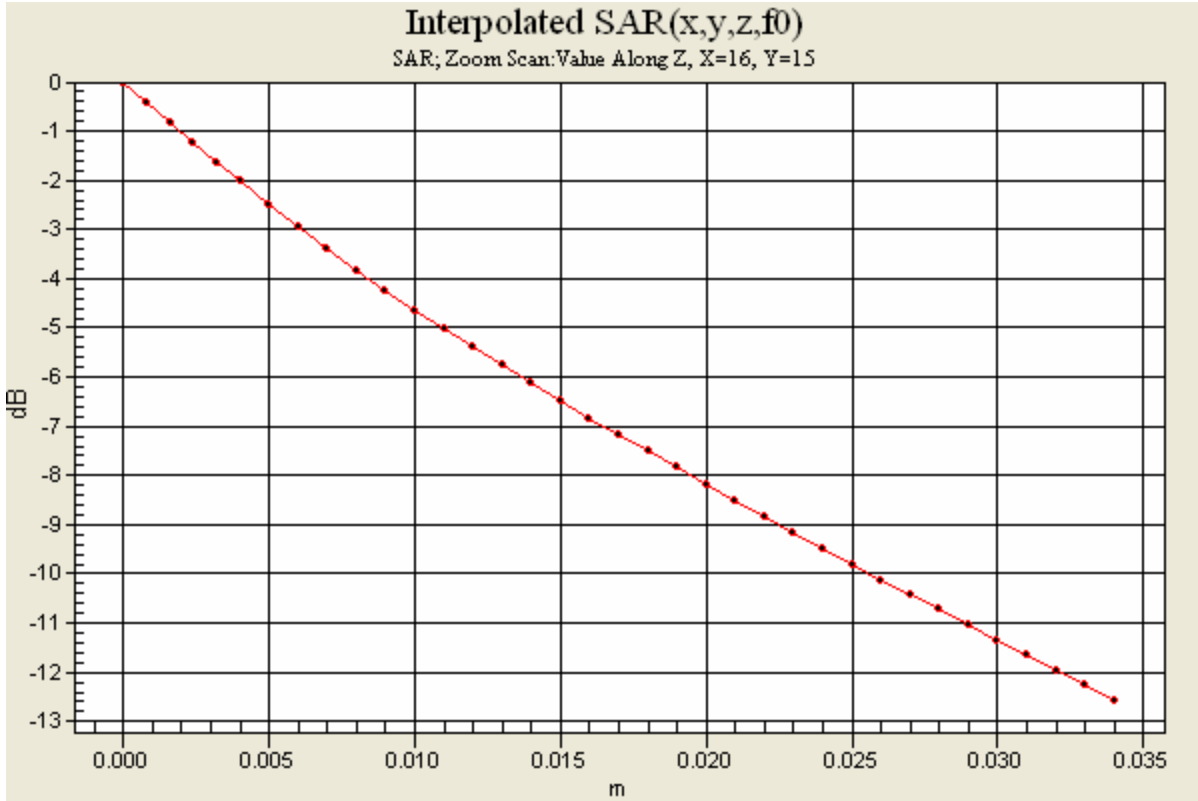
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0 dB = 1.61mW/g



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Distribution of maximum SAR in 800 GSM band. Measured with front of device facing the body using a 15mm Spacer. (Standard Battery, BST-33)

Date/Time: 3/25/2006 9:50:01 AM

File Name: [25Mar06 W300i GSM850 0EUN 15mm BF01.da4](#)

DUT: W300i body

Program Notes: Battery - BST33 Humidity - 32.6% Ambient Temp - 24.5 C Simulant Temp - 24.1 C

Communication System: GSM 850 multi-slot Body; Frequency: 849 MHz; Duty Cycle: 1:4.15

Medium: Head 835/900 MHz Medium parameters used (interpolated): f = 849 MHz; s = 1 mho/m; $\epsilon_r = 52.5$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1539; ConvF(5.88, 5.88, 5.88); Calibrated: 11/22/2005

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn345; Calibrated: 11/10/2005

- Phantom: SAM with CRP (Low Band Body); Type: SAM; Serial: TP: 1031

- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Unnamed procedure 3/Area Scan (51x81x1):

Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.214 mW/g

Unnamed procedure 3/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.1 V/m; Power Drift = -0.061 dB

Peak SAR (extrapolated) = 0.262 W/kg

SAR(1 g) = 0.198 mW/g; SAR(10 g) = 0.140 mW/g

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.210 mW/g

Unnamed procedure 3/Zoom Scan (31x31x36)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

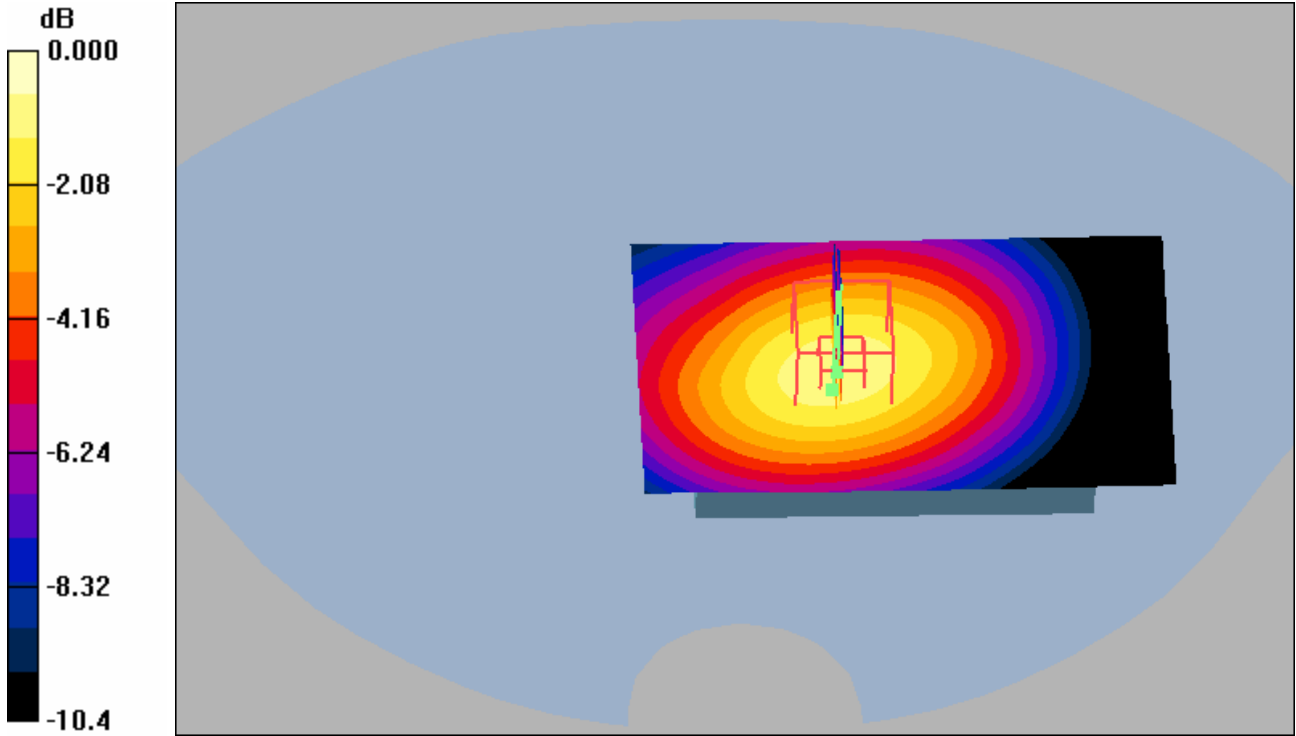
Reference Value = 12.1 V/m; Power Drift = -0.061 dB

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.262 mW/g



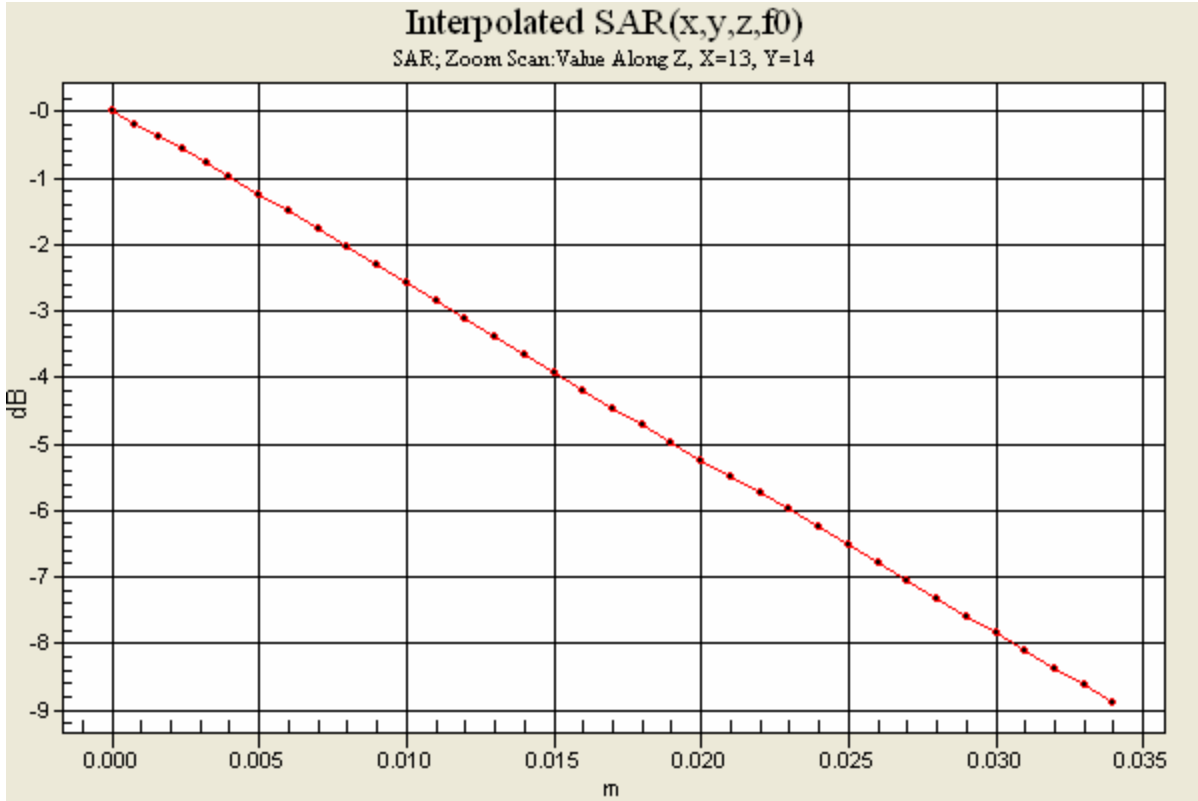
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0 dB = 0.262mW/g



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Distribution of maximum SAR in 800 GSM band. Measured with back of device facing the body using a 15mm Spacer with Blue Tooth. (Standard Battery BST-33)

Date/Time: 3/25/2006 1:27:14 PM

File Name: [25Mar06 W300i GSM850 OEUN 15mm BT BB01.da4](#)

DUT: W300i body

Program Notes: Battery - BST33 Humidity - 32.2% Ambient Temp - 24.5 C Simulant Temp - 24.2 C

Communication System: GSM 850 multi-slot Body; Frequency: 849 MHz; Duty Cycle: 1:4.15

Medium: Head 835/900 MHz Medium parameters used (interpolated): f = 849 MHz; s = 1 mho/m; $\epsilon_r = 52.5$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1539; ConvF(5.88, 5.88, 5.88); Calibrated: 11/22/2005
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn345; Calibrated: 11/10/2005
- Phantom: SAM with CRP (Low Band Body); Type: SAM; Serial: TP: 1031
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Unnamed procedure 3/Area Scan (51x81x1):

Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 1.10 mW/g

Unnamed procedure 3/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 29.2 V/m; Power Drift = 0.005 dB

Peak SAR (extrapolated) = 1.47 W/kg

SAR(1 g) = 1.03 mW/g; SAR(10 g) = 0.695 mW/g

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.10 mW/g

Unnamed procedure 3/Zoom Scan (7x7x7)/Cube 1:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 29.2 V/m; Power Drift = 0.005 dB

Peak SAR (extrapolated) = 1.45 W/kg

SAR(1 g) = 0.900 mW/g; SAR(10 g) = 0.590 mW/g

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.03 mW/g

Unnamed procedure 3/Zoom Scan (31x31x36)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 29.2 V/m; Power Drift = 0.005 dB

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 1.47 mW/g

Unnamed procedure 3/Zoom Scan (31x31x36)/Cube 1:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 29.2 V/m; Power Drift = 0.005 dB

[Info: Interpolated medium parameters used for SAR evaluation.](#)

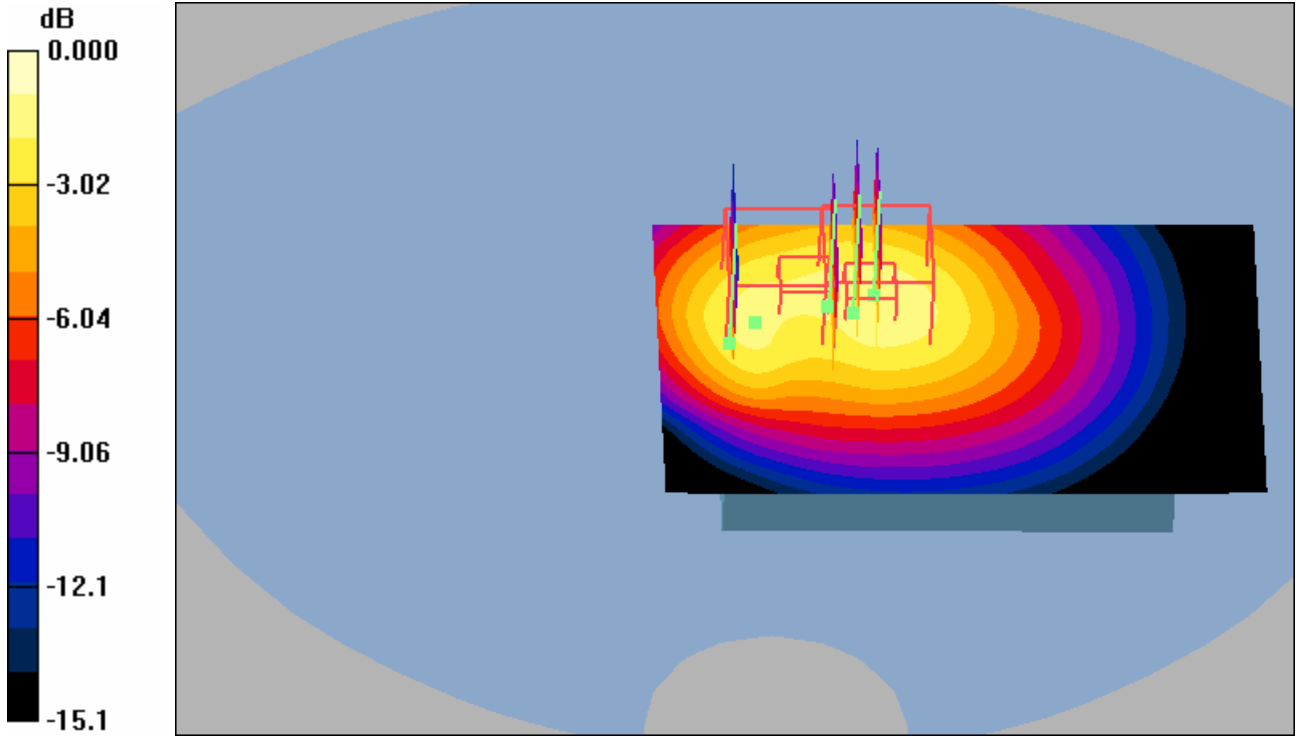
Maximum value of SAR (interpolated) = 1.45 mW/g



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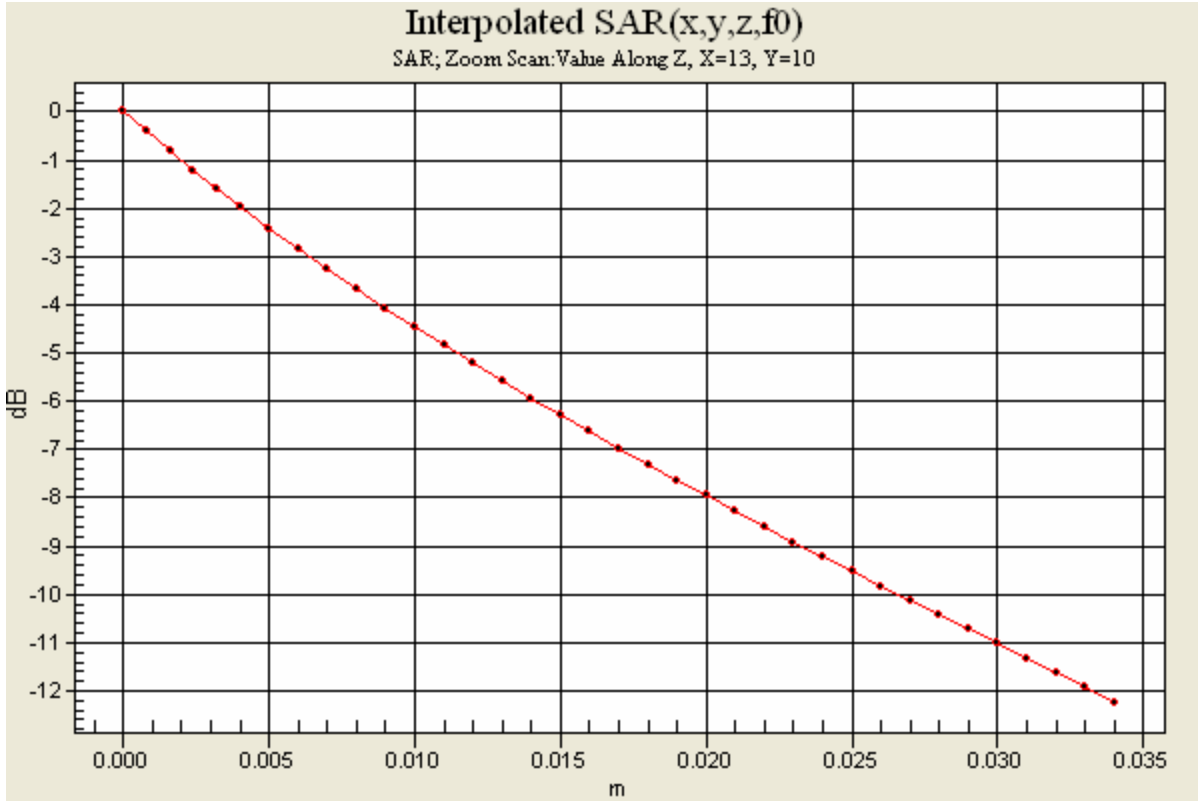
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0 dB = 1.45mW/g



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Distribution of maximum SAR in 1900 GSM band. Measured with back of device facing the body using a 15mm Spacer. (Standard Battery, BST-33)

Date/Time: 3/24/2006 11:56:34 AM

File Name: [24Mar06 W300i GSM1900 OES1 BB01.da4](#)

DUT: W300i body

Program Notes: Battery - BST33 Humidity - 37.6 % Ambient Temp - 24.2 C Simulant Temp - 23.8 C

Communication System: DCS 1900 Body; Frequency: 1909.8 MHz; Duty Cycle: 1:4.15

Medium: Head 1800/1900 MHz Medium parameters used: f = 1910 MHz; s = 1.53 mho/m; $\epsilon_r = 51.6$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1539; ConvF(4.12, 4.12, 4.12); Calibrated: 11/22/2005
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn345; Calibrated: 11/10/2005
- Phantom: SAM with CRP (High Band Body); Type: SAM; Serial: TP: 1020
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Unnamed procedure 3/Area Scan (51x81x1):

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.30 mW/g

Unnamed procedure 3/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.2 V/m; Power Drift = -0.099 dB

Peak SAR (extrapolated) = 1.74 W/kg

SAR(1 g) = 1.2 mW/g; SAR(10 g) = 0.771 mW/g

Maximum value of SAR (measured) = 1.30 mW/g

Unnamed procedure 3/Zoom Scan (31x31x36)/Cube 0:

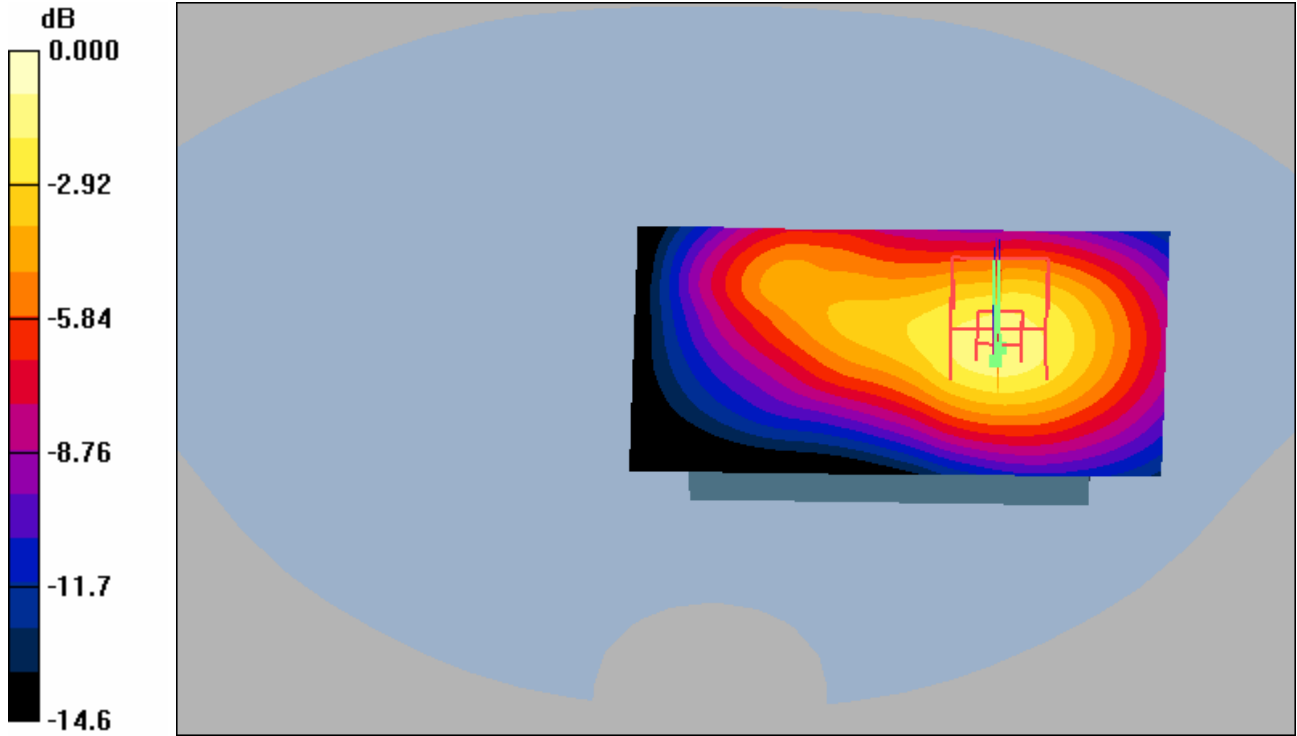
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.2 V/m; Power Drift = -0.099 dB

Maximum value of SAR (interpolated) = 1.74 mW/g



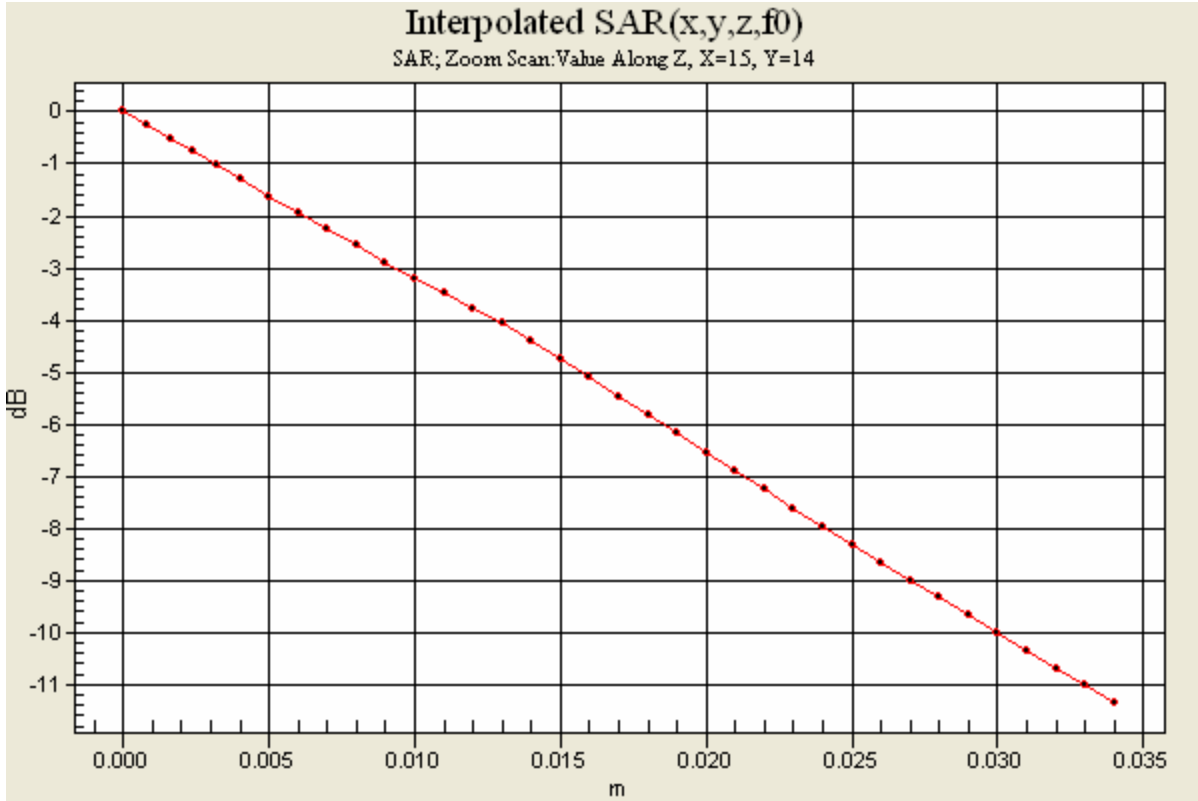
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0 dB = 1.74mW/g



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Distribution of maximum SAR in 1900 GSM band. Measured with front of device facing the body using a 15mm Spacer. (Standard Battery, BST-33)

Date/Time: 3/24/2006 1:26:01 PM

File Name: [24Mar06 W300i GSM1900 OES1 BF01.da4](#)

DUT: W300i body

Program Notes: Battery - BST33 Humidity - 37.2 % Ambient Temp - 24 C Simulant Temp - 23.7 C

Communication System: DCS 1900 Body; Frequency: 1850.2 MHz; Duty Cycle: 1:4.15

Medium: Head 1800/1900 MHz Medium parameters used (interpolated): f = 1850.2 MHz; s = 1.46 mho/m; $\epsilon_r = 51.8$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1539; ConvF(4.12, 4.12, 4.12); Calibrated: 11/22/2005
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn345; Calibrated: 11/10/2005
- Phantom: SAM with CRP (High Band Body); Type: SAM; Serial: TP: 1020
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Unnamed procedure/Area Scan (51x81x1):

Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.346 mW/g

Unnamed procedure/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.65 V/m; Power Drift = 0.058 dB

Peak SAR (extrapolated) = 0.468 W/kg

SAR(1 g) = 0.322 mW/g; SAR(10 g) = 0.206 mW/g

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.349 mW/g

Unnamed procedure/Zoom Scan (31x31x36)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

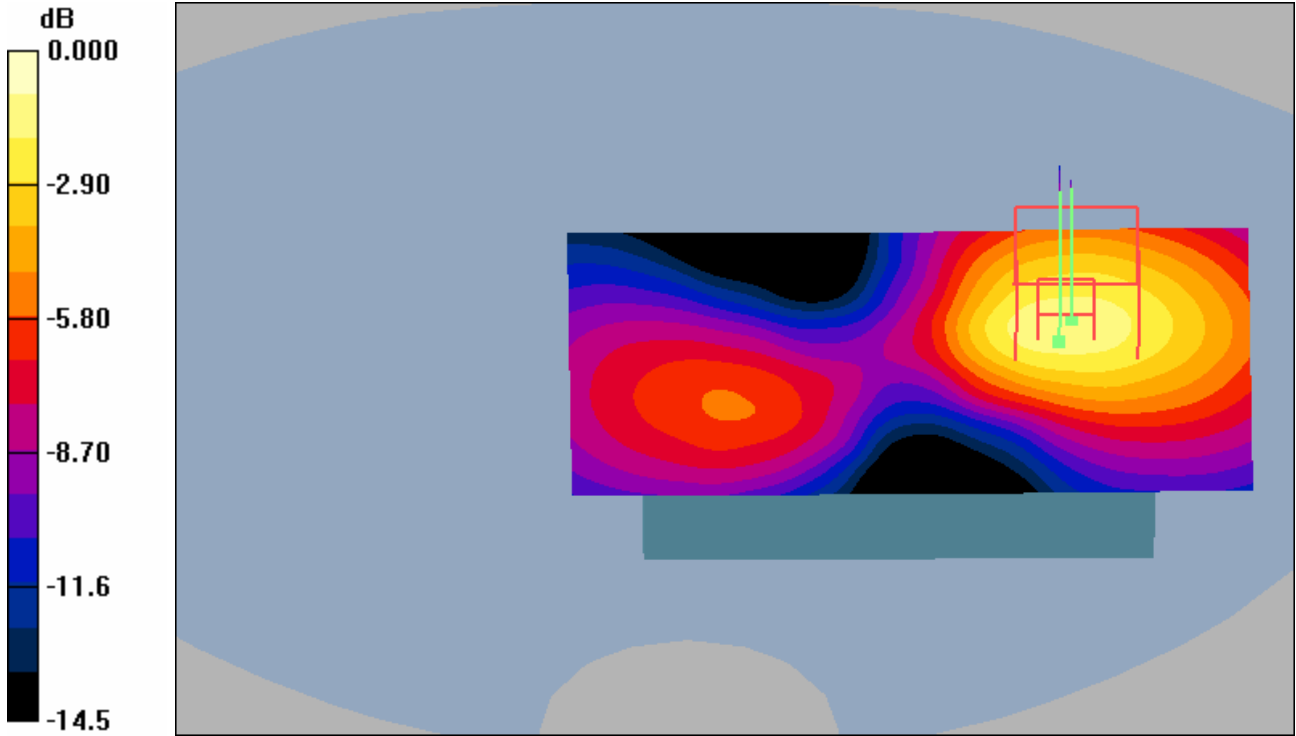
Reference Value = 8.65 V/m; Power Drift = 0.058 dB

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.468 mW/g



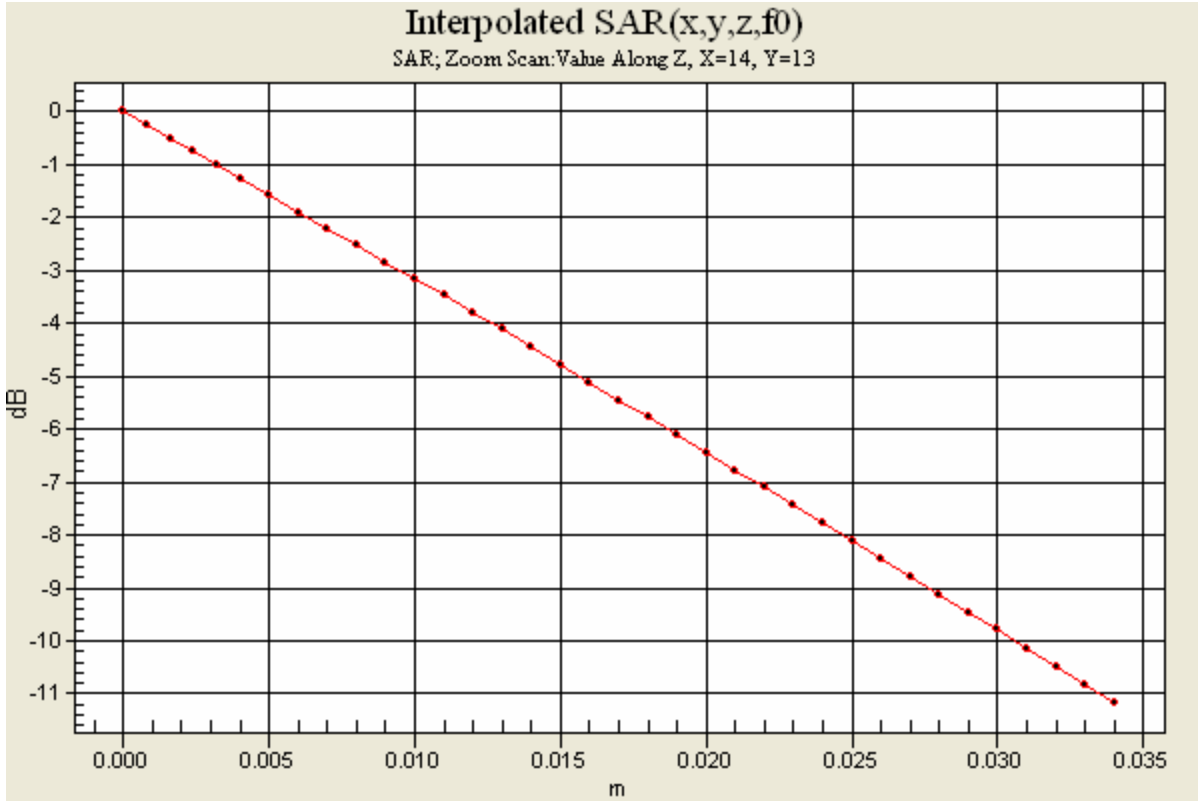
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0 dB = 0.468mW/g



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Distribution of maximum SAR in 800 GSM band. Measured with back of device facing the body using the ICE-26 Carry Case. (Standard Battery, BST-33)

Date/Time: 3/25/2006 11:43:57 AM

File Name: [25Mar06 W300i GSM850 0EUN ICE26 BB01.da4](#)

DUT: W300i body

Program Notes: Battery - BST33 Humidity - 32.0% Ambient Temp - 24.6 C Simulant Temp - 24.2 C

Communication System: GSM 850 multi-slot Body; Frequency: 849 MHz; Duty Cycle: 1:4.15

Medium: Head 835/900 MHz Medium parameters used (interpolated): f = 849 MHz; s = 1 mho/m; $\epsilon_r = 52.5$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1539; ConvF(5.88, 5.88, 5.88); Calibrated: 11/22/2005

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn345; Calibrated: 11/10/2005

- Phantom: SAM with CRP (Low Band Body); Type: SAM; Serial: TP: 1031

- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Unnamed procedure 3/Area Scan (51x81x1):

Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.784 mW/g

Unnamed procedure 3/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 22.5 V/m; Power Drift = -0.115 dB

Peak SAR (extrapolated) = 0.989 W/kg

SAR(1 g) = 0.730 mW/g; SAR(10 g) = 0.507 mW/g

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.785 mW/g

Unnamed procedure 3/Zoom Scan (31x31x36)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 22.5 V/m; Power Drift = -0.115 dB

[Info: Interpolated medium parameters used for SAR evaluation.](#)

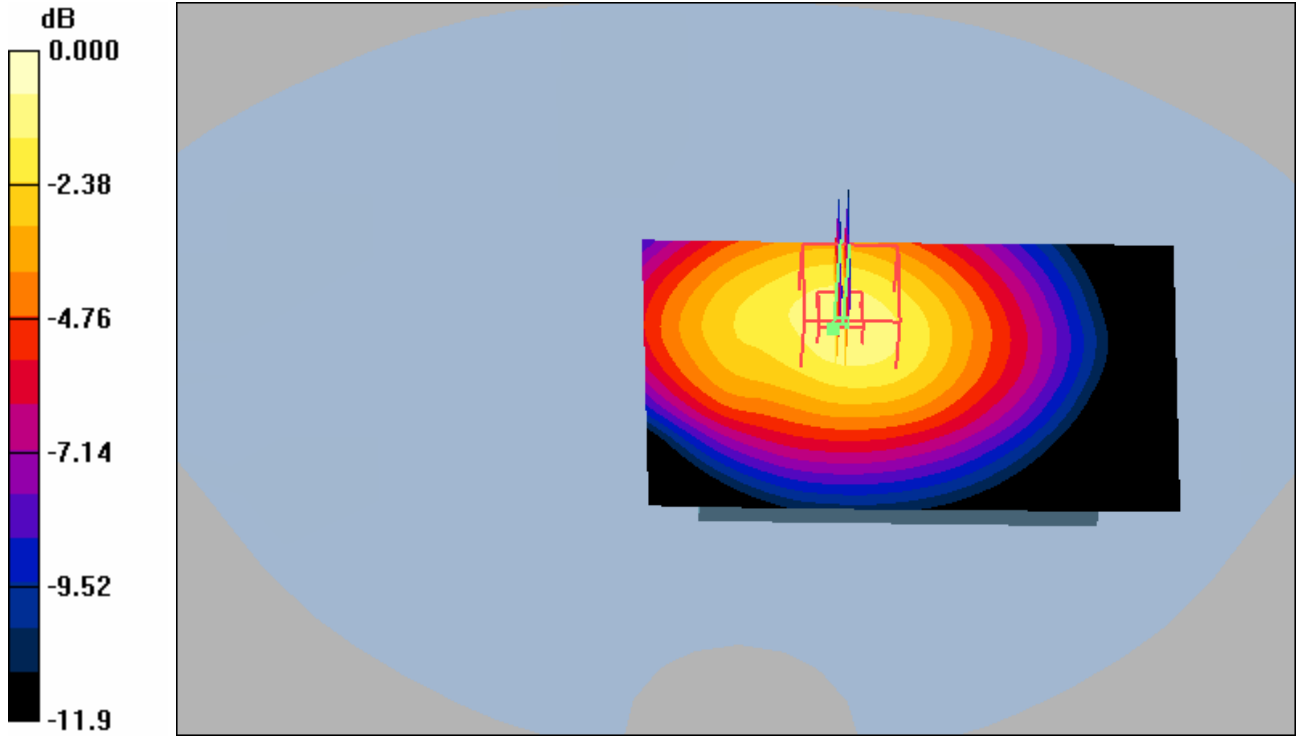
Maximum value of SAR (interpolated) = 0.989 mW/g



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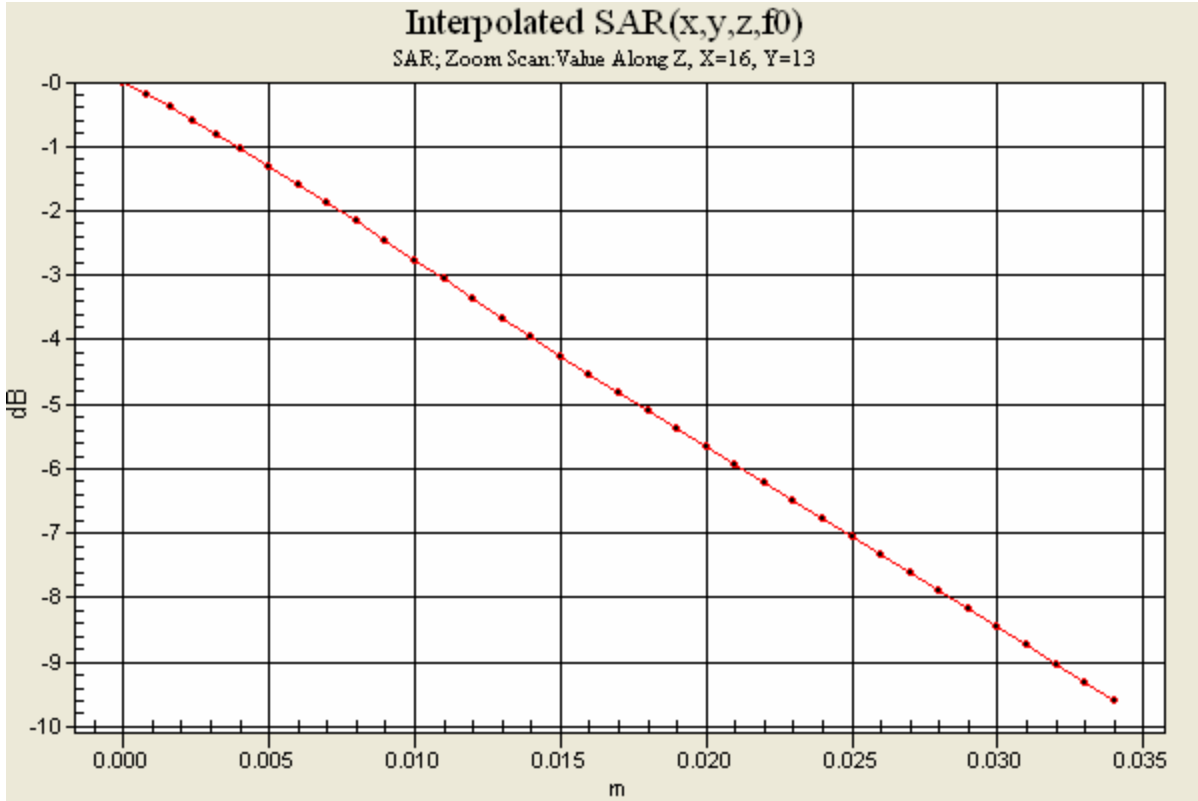
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0 dB = 0.989mW/g



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Distribution of maximum SAR in 800 GSM band. Measured with front of device facing the body using the ICE-26 Carry Case. (Standard Battery, BST-33)

Date/Time: 3/25/2006 12:03:46 PM

File Name: [25Mar06 W300i GSM850 0EUN ICE26 BF01.da4](#)

DUT: W300i body

Program Notes: Battery - BST33 Humidity - 32.2% Ambient Temp - 24.5 C Simulant Temp - 24.2 C

Communication System: GSM 850 multi-slot Body; Frequency: 849 MHz; Duty Cycle: 1:4.15

Medium: Head 835/900 MHz Medium parameters used (interpolated): f = 849 MHz; s = 1 mho/m; $\epsilon_r = 52.5$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1539; ConvF(5.88, 5.88, 5.88); Calibrated: 11/22/2005

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn345; Calibrated: 11/10/2005

- Phantom: SAM with CRP (Low Band Body); Type: SAM; Serial: TP: 1031

- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Unnamed procedure 3/Area Scan (51x81x1):

Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.183 mW/g

Unnamed procedure 3/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.6 V/m; Power Drift = -0.104 dB

Peak SAR (extrapolated) = 0.220 W/kg

SAR(1 g) = 0.165 mW/g; SAR(10 g) = 0.117 mW/g

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.176 mW/g

Unnamed procedure 3/Zoom Scan (31x31x36)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.6 V/m; Power Drift = -0.104 dB

[Info: Interpolated medium parameters used for SAR evaluation.](#)

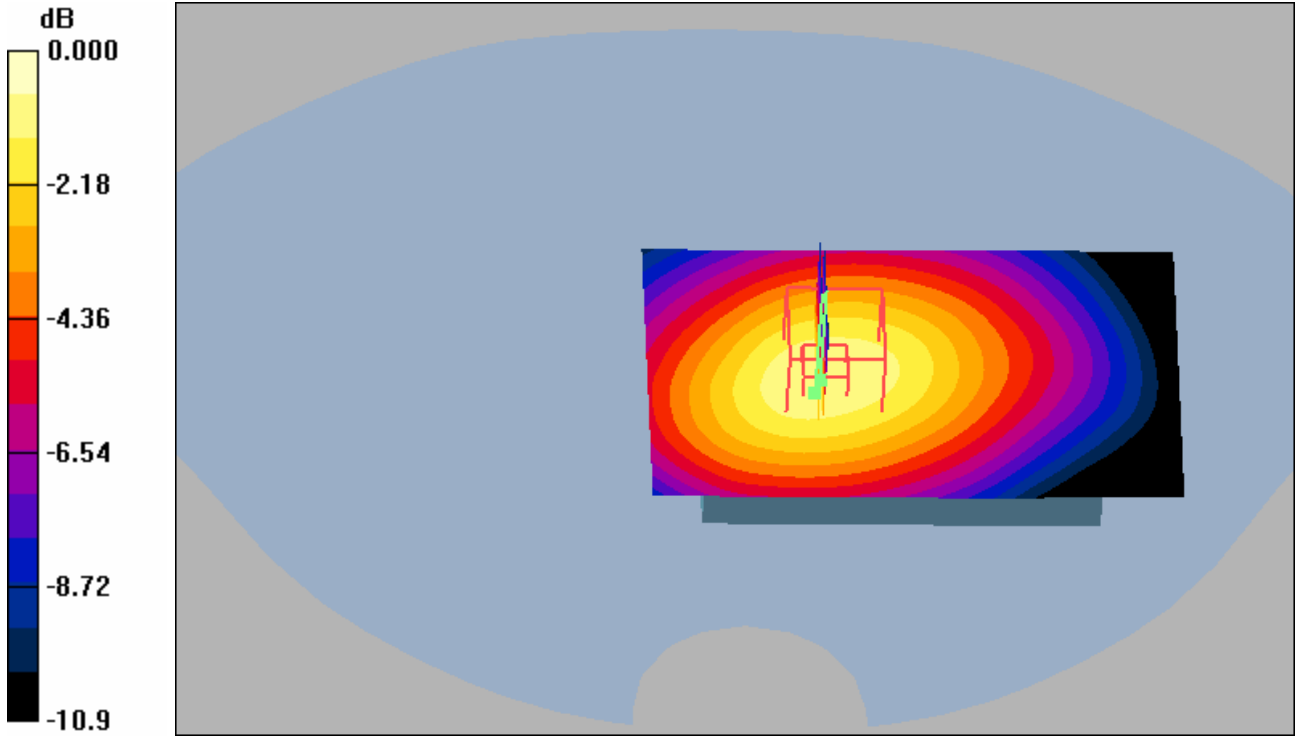
Maximum value of SAR (interpolated) = 0.220 mW/g



REPORT

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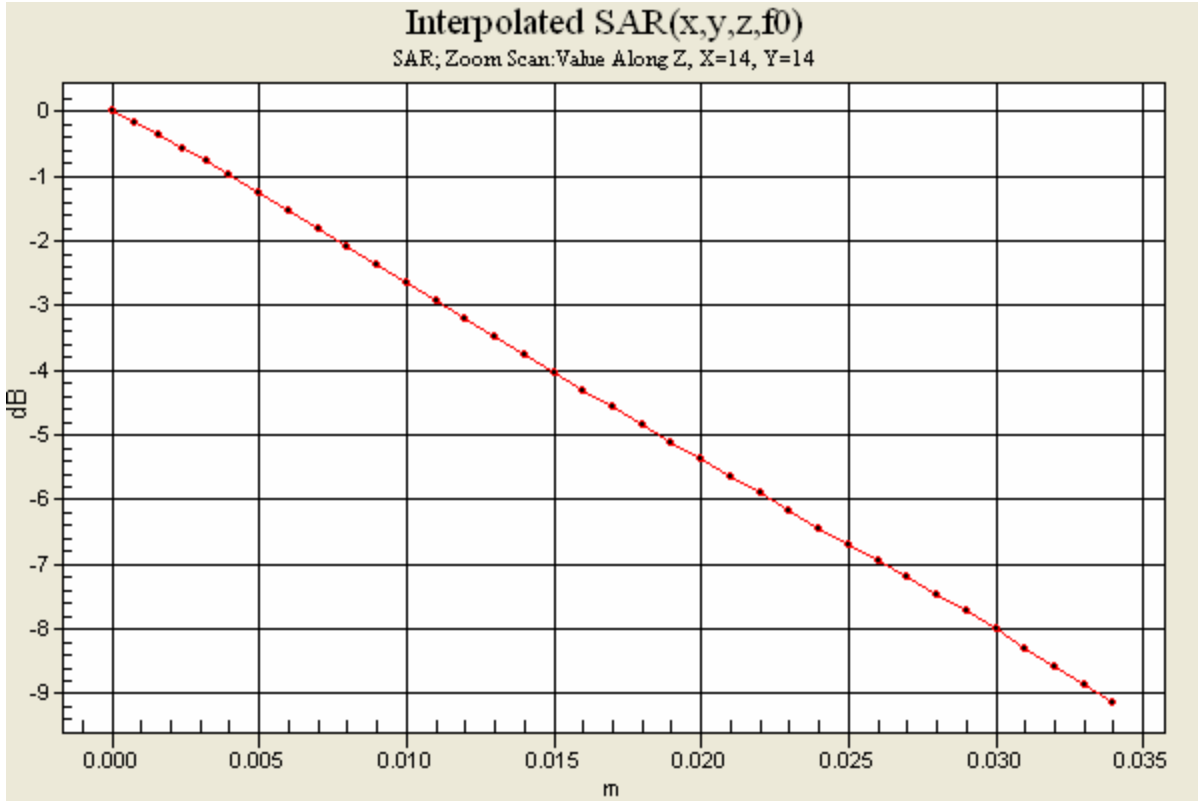
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| Prepared (also subject responsible if other) SEM/CV/PF/P Gerard Hayes and Rodney Dixon | No. REP 2006 003 W300i 02 |
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0 dB = 0.220mW/g



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Distribution of maximum SAR in 1900 GSM band. Measured with back of device facing the body using the ICE-26 Carry Case. (Standard Battery, BST-33)

Date/Time: 3/24/2006 3:16:54 PM

File Name: [24Mar06 W300i GSM1900 0ES1 ICE26 BB01.da4](#)

DUT: W300i body

Program Notes: Battery - BST33 Humidity - 37.5 % Ambient Temp - 24.2 C Simulant Temp - 23.6 C

Communication System: DCS 1900 Body; Frequency: 1909.8 MHz; Duty Cycle: 1:4.15

Medium: Head 1800/1900 MHz Medium parameters used: f = 1910 MHz; s = 1.53 mho/m; $\epsilon_r = 51.6$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1539; ConvF(4.12, 4.12, 4.12); Calibrated: 11/22/2005
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn345; Calibrated: 11/10/2005
- Phantom: SAM with CRP (High Band Body); Type: SAM; Serial: TP: 1020
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Unnamed procedure 3/Area Scan (51x81x1):

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.50 mW/g

Unnamed procedure 3/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.99 V/m; Power Drift = 0.023 dB

Peak SAR (extrapolated) = 2.01 W/kg

SAR(1 g) = 1.36 mW/g; SAR(10 g) = 0.863 mW/g

Maximum value of SAR (measured) = 1.47 mW/g

Unnamed procedure 3/Zoom Scan (31x31x36)/Cube 0:

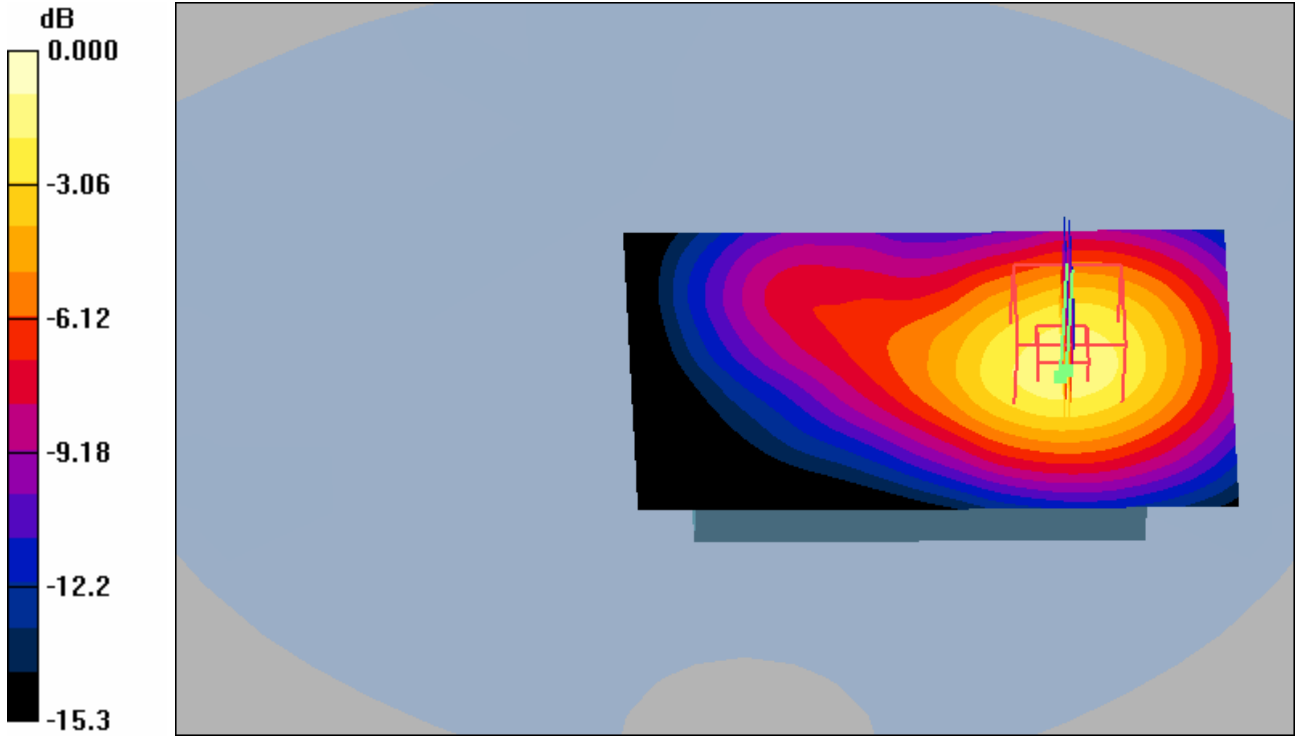
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.99 V/m; Power Drift = 0.023 dB

Maximum value of SAR (interpolated) = 2.01 mW/g



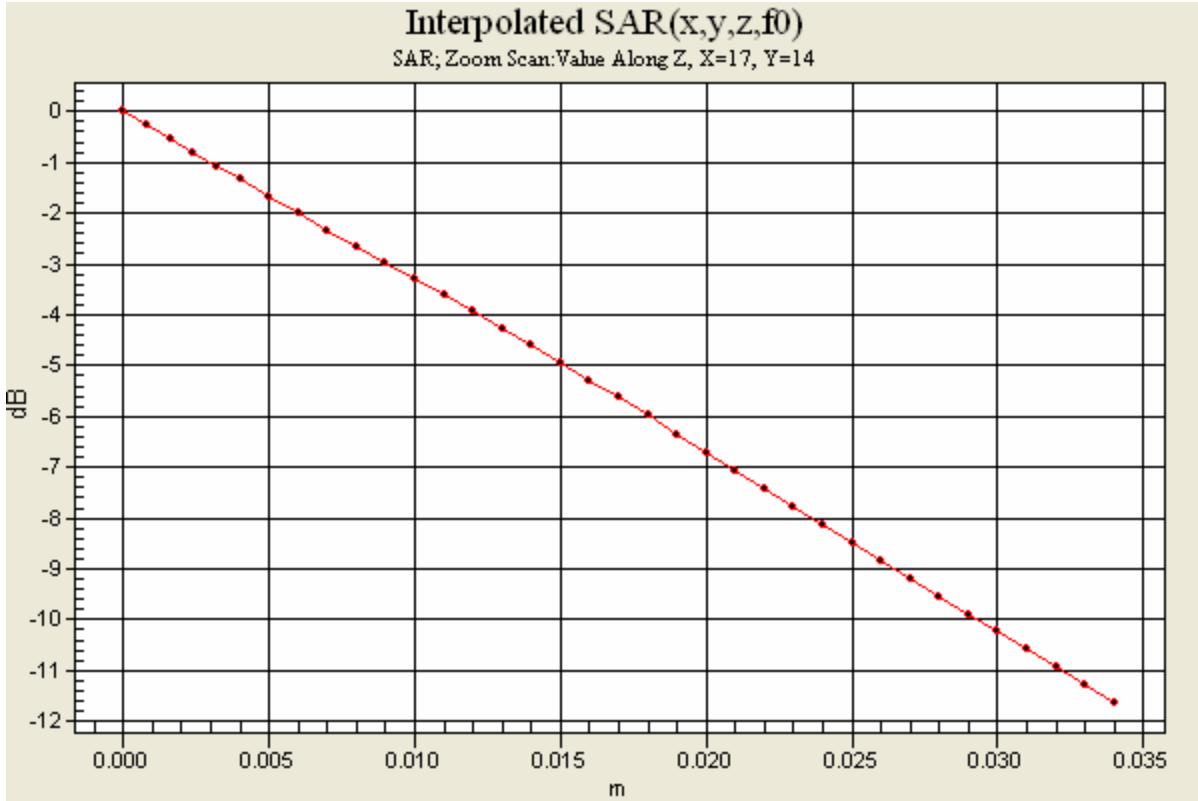
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0 dB = 2.01mW/g



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Distribution of maximum SAR in 1900 GSM band. Measured with front of device facing the body using the ICE-26 Carry Case. (Standard Battery, BST-33)

Date/Time: 3/24/2006 4:19:59 PM

File Name: [24Mar06 W300i GSM1900 0ES1 ICE26 BF01.da4](#)

DUT: W300i body

Program Notes: Battery - BST33 Humidity - 38.1 % Ambient Temp - 24.5 C Simulant Temp - 23.7 C

Communication System: DCS 1900 Body; Frequency: 1850.2 MHz; Duty Cycle: 1:4.15

Medium: Head 1800/1900 MHz Medium parameters used (interpolated): f = 1850.2 MHz; s = 1.46 mho/m; $\epsilon_r = 51.8$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1539; ConvF(4.12, 4.12, 4.12); Calibrated: 11/22/2005
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn345; Calibrated: 11/10/2005
- Phantom: SAM with CRP (High Band Body); Type: SAM; Serial: TP: 1020
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Unnamed procedure/Area Scan (51x81x1):

Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.445 mW/g

Unnamed procedure/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.67 V/m; Power Drift = -0.002 dB

Peak SAR (extrapolated) = 0.608 W/kg

SAR(1 g) = 0.411 mW/g; SAR(10 g) = 0.259 mW/g

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.446 mW/g

Unnamed procedure/Zoom Scan (31x31x36)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.67 V/m; Power Drift = -0.002 dB

[Info: Interpolated medium parameters used for SAR evaluation.](#)

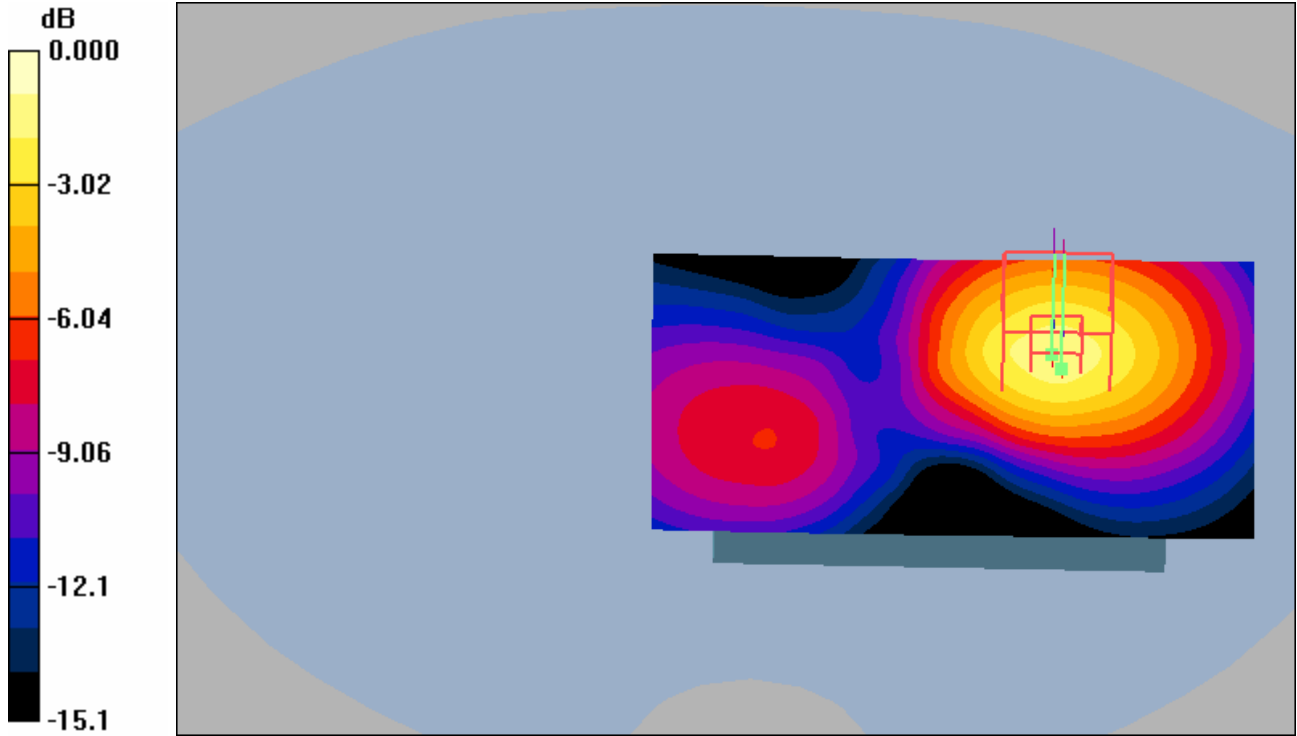
Maximum value of SAR (interpolated) = 0.608 mW/g



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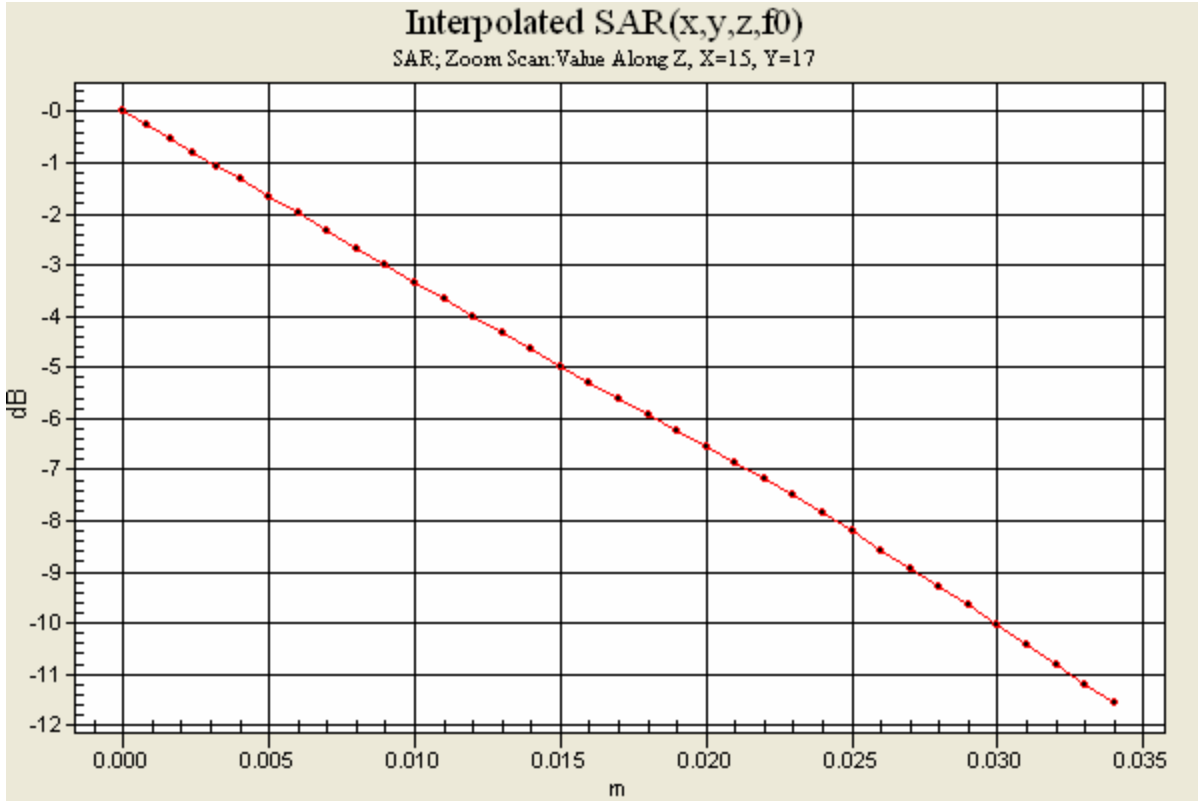
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| Prepared (also subject responsible if other) SEM/CV/PF/P Gerard Hayes and Rodney Dixon | No. REP 2006 003 W300i 02 |
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0 dB = 0.608mW/g



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Distribution of maximum SAR in 1900 GSM band. Measured with back of device facing the body using the ICE-26 Carry Case with Blue Tooth. (Standard Battery BST-33)

Date/Time: 3/24/2006 5:25:59 PM

File Name: [24Mar06 W300i GSM1900 0ES1 BT ICE26 BB01.da4](#)

DUT: W300i body

Program Notes: Battery - BST33 Humidity - 37.2 % Ambient Temp - 24 C Simulant Temp - 23.7 C

Communication System: DCS 1900 Body; Frequency: 1909.8 MHz; Duty Cycle: 1:4.15

Medium: Head 1800/1900 MHz Medium parameters used: f = 1910 MHz; s = 1.53 mho/m; $\epsilon_r = 51.6$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1539; ConvF(4.12, 4.12, 4.12); Calibrated: 11/22/2005
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn345; Calibrated: 11/10/2005
- Phantom: SAM with CRP (High Band Body); Type: SAM; Serial: TP: 1020
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Unnamed procedure 3/Area Scan (51x81x1):

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.05 mW/g

Unnamed procedure 3/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.7 V/m; Power Drift = -0.011 dB

Peak SAR (extrapolated) = 1.44 W/kg

SAR(1 g) = 0.972 mW/g; SAR(10 g) = 0.626 mW/g

Maximum value of SAR (measured) = 1.04 mW/g

Unnamed procedure 3/Zoom Scan (31x31x36)/Cube 0:

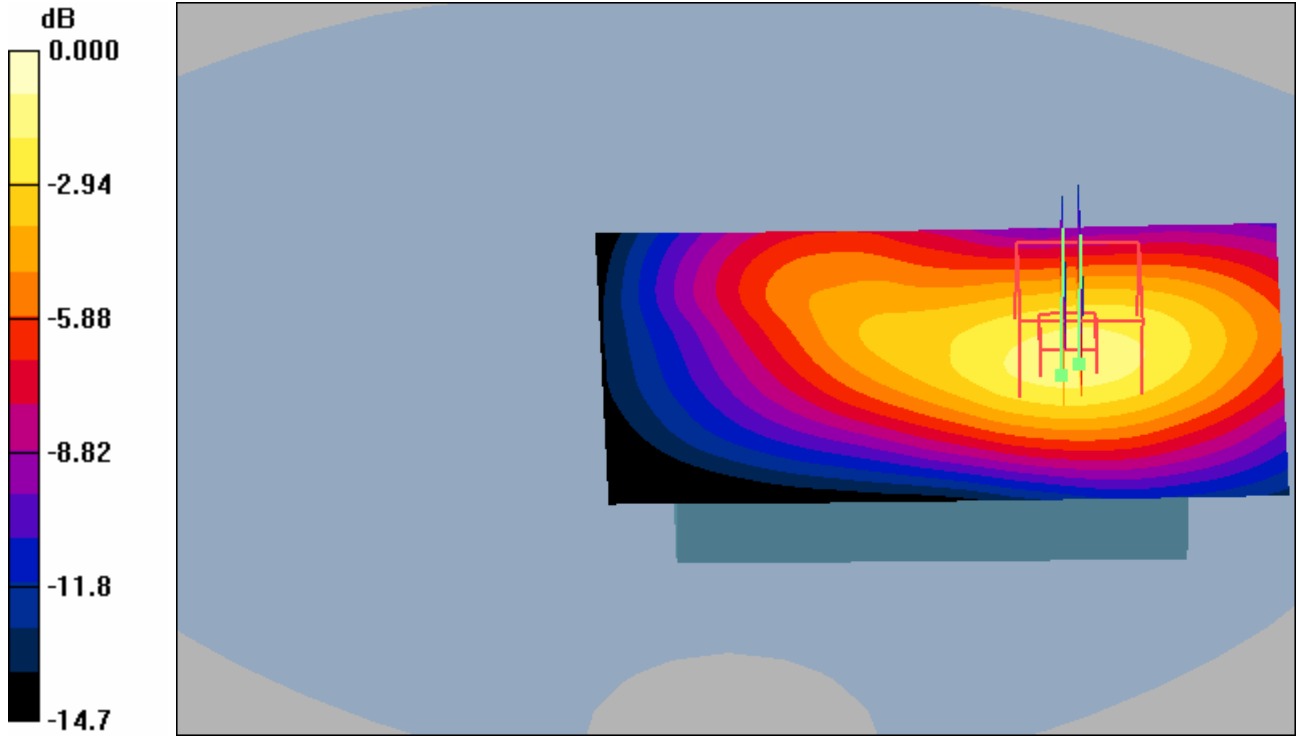
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.7 V/m; Power Drift = -0.011 dB

Maximum value of SAR (interpolated) = 1.44 mW/g



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0 dB = 1.44mW/g



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