

# TEST REPORT



Your Ref:

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## COMPLIANCE REPORT ON TESTING IN ACCORDANCE WITH SAR (SPECIFIC ABSORPTION RATE) REQUIREMENTS

**Supplement C (Edition 01-01)  
FCC OET Bulletin 65 (Edition 97-01)**

OF A

**DUAL BAND MOBILE PHONE  
[ Model: S321 ]**

**TEST FACILITY** Telecoms & EMC, Testing Group, PSB Corporation  
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**PREPARED FOR** Mr. Kwan Kin Peng  
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**JOB NUMBER** 56S041107

**TEST PERIOD** 28 Dec 2004 ~ 2 Feb 2005

**PREPARED BY**

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Daniel Yeo  
Senior Engineer



LA-2001-0212-A      The results reported herein have been  
LA-2001-0213-F      performed in accordance with the  
LA-2001-0214-E      laboratory's terms of accreditation under  
LA-2001-0215-B      the Singapore Accreditation Council -  
LA-2001-0216-G      Singapore Laboratory Accreditation  
LA-2001-0217-G      Scheme

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TEST SUMMARY

The product was tested in accordance with the following standards.

**Test Results Summary**

Test Standards	Description	Pass / Fail
• Supplement C (Edition 01-01) to FCC OET Bulletin 65 (Edition 97-01) • ANSI/IEEE Standard C95.1-1993	SAR Measurement (GSM 850) Device at head phantom	Pass *
	SAR Measurement (PCS 1900) Device at head phantom	Pass *
	SAR Measurement (GSM 850) Body Worn Configuration Only	Pass *
	SAR Measurement (PCS 1900) Body Worn Configuration Only	Pass *

Note:

1. The worst-case SAR value was found to be **0.931W/kg** which is lower than the maximum limit of 1.60 W/kg, over 1g of tissue.

\* Based on spatial peak uncontrolled exposure / general population level:  
Head: 1.60 W/kg, over 1g of tissue.  
Body: 1.60 W/kg, over 1g of tissue.

**Modifications**

No modifications were made.

## DEVICE DESCRIPTION

## DEVICE DESCRIPTION

Description	The Equipment Under Test (EUT) is a <b>DUAL BAND MOBILE PHONE</b> .
Device Category	Portable Device
Exposure Environment	General Population/Uncontrolled exposure
Test Device Type	Production Unit
Model Number	S321
Brand Name	Sendo
IMEI Numbers	0300D02BS100053
FCC ID	NIL

## DEVICE OPERATING CONFIGURATION

Operating Frequencies	GSM 850	PCS 1900
	Channel 128 (824.20Mhz) Channel 189 (836.40Mhz) Channel 251 (848.80Mhz)	Channel 512 (1850.2Mhz) Channel 661 (1880.0Mhz) Channel 810 (1909.8Mhz)
Operating Temperature Tolerance	-10 ~ +55 Degree Celsius	
Operating Voltage Tolerance	(3.5 – 4.2) Volt DC	
Continuous Transmission Tolerance	The EUT shall cause no problem after transmitting for 120 minutes under maximum power transmitting rate.	
Rated Output Power	29dBm Maximum (GSM 850) 30dBm Maximum (PCS 1900)	
Antenna Type	Integrated Antenna	
EUT Crest Factor	8.3	
Input Power	Li-ion Battery, 3.7V 800mAH.	
Accessories	1) Charger 2) Hand Free Kit 3) Belt Clip	

## MANUFACTURER

Manufacturer Address	Sendo (UK) Sendo Base Station Hatchford Way, Birmingham B26 3RZ, United Kingdom
DID	44(0)-121 251 5000
Fax	44(0)-121 251 5001

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**DEVICE OPERATING CONDITION****DEVICE OPERATING CONDITION**

The EUT was put into operation by a radio test set. Communication between the EUT and the radio test set was established by air link. For every SAR measurement, the EUT was set to maximum output power level using fully charged battery.

**TEMPERATURE AND HUMIDITY**GSM 850 (Head)

Ambient Temperature:  $23 \pm 1^{\circ}\text{C}$   
Tissue Temperature:  $23 \pm 1^{\circ}\text{C}$   
Humidity: 52% to 56%

PCS 1900 (Head)

Ambient Temperature:  $23 \pm 1^{\circ}\text{C}$   
Tissue Temperature:  $23 \pm 1^{\circ}\text{C}$   
Humidity: 53% to 60%

GSM 850 (Body)

Ambient Temperature:  $23 \pm 1^{\circ}\text{C}$   
Tissue Temperature:  $23 \pm 1^{\circ}\text{C}$   
Humidity: 55% to 59%

PCS 1900 (Body)

Ambient Temperature:  $24 \pm 1^{\circ}\text{C}$   
Tissue Temperature:  $24 \pm 1^{\circ}\text{C}$   
Humidity: 54% to 61%

**TEST RESULTS**

The measurement results were obtained with the EUT tested in the conditions described in this report (Annex A).

**Table 1 - SAR Test Results (GSM 850) – Device at head phantom**

Phantom Configuration	Device Test Positions	Antenna Position	SAR (W/kg), over 1g Tissue		
			Device Test Channel & Frequency		
			Channel: 128 824.2MHz	Channel: 189 836.4MHz	Channel: 251 848.8MHz
Left Side of Head	Cheek / Touch	fixed	0.323	0.382	0.526
	Ear / Tilt	fixed	0.190	0.222	0.301
Right Side of Head	Cheek / Touch	fixed	0.372	0.447	0.604
	Ear / Tilt	fixed	0.202	0.246	0.339
Output Power (dBm) Before Test			30.0	29.9	30.1
Output Power (dBm) After Test			29.8	29.7	29.8

**Table 2 - SAR Test Results (DCS 1900) – Device at head phantom**

Phantom Configuration	Device Test Positions	Antenna Position	SAR (W/kg), over 1g Tissue		
			Device Test Channel & Frequency		
			Channel: 512 1850.2MHz	Channel: 661 1880.0MHz	Channel: 810 1909.8MHz
Left Side of Head	Cheek / Touch	fixed	0.623	0.707	0.901
	Ear / Tilt	fixed	0.582	0.689	0.931
Right Side of Head	Cheek / Touch	fixed	0.536	0.617	0.747
	Ear / Tilt	fixed	0.496	0.584	0.756
Output Power (dBm) Before Test			30.1	29.9	29.9
Output Power (dBm) After Test			29.7	29.6	29.6

## Remarks:

1. All modes of operations were investigated and the worst-case SAR levels are reported.
2. A fully charged **Li-ion Battery, 3.7V DC 800mAH**, was used for each mode of operation.
3. For **GSM 850**, the worst-case SAR value was found to be **0.604W/Kg** (over a 1g tissue) at **Channel 251** which is lower than the maximum limit of 1.60 W/Kg, please refer to the above table.
4. For **PCS 1900**, the worst-case SAR value was found to be **0.931W/Kg** (over a 1g tissue) at **Channel 810** which is lower than the maximum limit of 1.60 W/Kg, please refer to the above table.
5. The SAR limit of 1.60W/Kg (Spatial Peak level for Uncontrolled Exposure / General Population) is based on the Test Standards:
  - a) Supplement C (Edition 01-01) to FCC OET Bulletin 65 (Edition 97-01)
  - b) ANSI/IEEE Standard C95.1-1993

**TEST RESULTS**

The measurement results were obtained with the EUT tested in the conditions described in this report (Annex A).

**Table 3 – Body Worn Position SAR Test Results (GSM 850), device with belt clip.**

Phantom Configuration	Device Test Positions	Antenna Position	SAR (W/kg), over 1g Tissue Device Test Channel & Frequency		
			Channel: 128 824.2MHz	Channel: 189 836.4MHz	Channel: 251 848.8MHz
Flat Phantom	EUT <b>Front</b> Touched Phantom	Fixed	0.361	0.423	0.507
Flat Phantom	EUT <b>Rear</b> Touched Phantom	Fixed	0.184	0.233	0.275
Output Power (dBm) Before Test			30.0	29.9	30.1
Output Power (dBm) After Test			29.8	29.7	29.8

## Remarks:

1. All modes of operations were investigated and the worst-case SAR levels are reported.
2. A fully charged **Li-ion Battery, 3.7V DC 800mAH**, was used for each mode of operation.
3. For **GSM 850**, the worst-case SAR value was found to be **0.507W/Kg** (over a 1g tissue) at **Channel 251** which is lower than the maximum limit of 1.60 W/Kg, please refer to the above table.
4. The SAR limit of 1.60W/Kg (Spatial Peak level for Uncontrolled Exposure / General Population) is based on the Test Standards:
  - a) Supplement C (Edition 01-01) to FCC OET Bulletin 65 (Edition 97-01)
  - b) ANSI/IEEE Standard C95.1-1993

**TEST RESULTS**

The measurement results were obtained with the EUT tested in the conditions described in this report (Annex A).

**Table 4 – Body Worn Position SAR Test Results (PCS 1900), device with belt clip.**

Phantom Configuration	Device Test Positions	Antenna Position	SAR (W/kg), over 1g Tissue Device Test Channel & Frequency		
			Channel: 512 1850.2MHz	Channel: 661 1880.0MHz	Channel: 810 1909.8MHz
Flat Phantom	EUT <b>Front</b> Touched Phantom	Fixed	0.659	0.673	0.767
Flat Phantom	EUT <b>Rear</b> Touched Phantom	Fixed	0.209	0.224	0.274
Output Power (dBm) Before Test			30.1	29.9	29.9
Output Power (dBm) After Test			29.7	29.6	29.6

Remarks:

1. All modes of operations were investigated and the worst-case SAR levels are reported.
2. A fully charged **Li-ion Battery, 3.7V DC 800mAH**, was used for each mode of operation.
3. For **PCS 1900**, the worst-case SAR value was found to be **0.767W/Kg** (over a 1g tissue) at **Channel 810** which is lower than the maximum limit of 1.60 W/Kg, please refer to the above table.
4. The SAR limit of 1.60W/Kg (Spatial Peak level for Uncontrolled Exposure / General Population) is based on the Test Standards:
  - a) Supplement C (Edition 01-01) to FCC OET Bulletin 65 (Edition 97-01)
  - b) ANSI/IEEE Standard C95.1-1993

**TEST RESULTS**

**Ambient Temperature:**  $23 \pm 1^{\circ}\text{C}$   
**Tissue Temperature:**  $23 \pm 1^{\circ}\text{C}$   
**Humidity:** 52% to 56%

**Test Laboratory:** The name of your organization

**Date:** 02/01/05

File Name: [850MHz\\_Left Head\\_0 Deg\\_CH128\\_Data 20.da4](#)

Program Name: Job Nos.: 56S041107

Phantom section: Left Section

DUT: Sendo\_Bono S321

Communication System: GSM 850

Frequency: 824.2 MHz

Duty Cycle: 1:8.3

Medium: 850MHz Head TissueMedium parameters used:  $\sigma = 0.9501$ ; mho/m,  $\epsilon_r = 43.03$ ;  $\rho = 1000$  kg/m<sup>3</sup>

**DASY4 Configuration:**

Electronics: DAE4 Sn627 Calibrated: 21/May/2004

Phantom: SAM 12 Measurement SW: DASY4, V4.4 Build 3

Probe: EX3DV4 - SN3541 ConvF(9.64, 9.64, 9.64) Calibrated: 26/Jul/2004

Postprocessing SW: SEMCAD, V1.8 Build 130

Sensor-Surface: 4mm (Mechanical Surface Detection)

**850MHz\_Left Head\_0 Deg\_CH128\_Data 20/Area Scan (8x14x1):**

Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.334 mW/g

**850MHz\_Left Head\_0 Deg\_CH128\_Data 20/Zoom Scan (7x7x7)/Cube 0:**

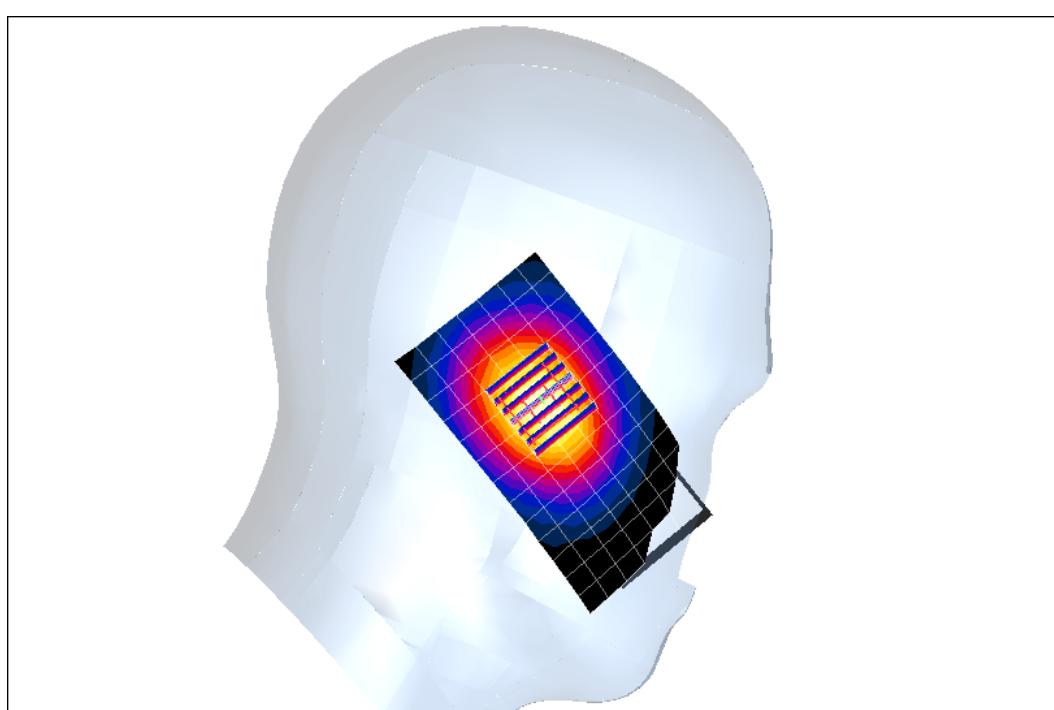
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 14.3 V/m; Power Drift = -0.0 dB

Peak SAR (extrapolated) = 0.424 W/kg

**SAR(1 g) = 0.323 mW/g; SAR(10 g) = 0.229 mW/g**

Maximum value of SAR (measured) = 0.343 mW/g



**Ambient Temperature:**  $23 \pm 1^{\circ}\text{C}$   
**Tissue Temperature:**  $23 \pm 1^{\circ}\text{C}$   
**Humidity:** 52% to 56%

**Test Laboratory:** The name of your organization

**Date:** 02/01/05

File Name: [850MHz\\_Left Head\\_0 Deg\\_CH189\\_Data 21.da4](#)

Program Name: Job Nos.: 56S041107

Phantom section: Left Section

DUT: Sendo\_Bono S321

Communication System: GSM 850

Frequency: 836.4 MHz

Duty Cycle: 1:8.3

Medium: 850MHz Head TissueMedium parameters used:  $\sigma = 0.9501$ ; mho/m,  $\epsilon_r = 43.03$ ;  $\rho = 1000$  kg/m<sup>3</sup>

**DASY4 Configuration:**

Electronics: DAE4 Sn627 Calibrated: 21/May/2004

Phantom: SAM 12 Measurement SW: DASY4, V4.4 Build 3

Probe: EX3DV4 - SN3541 ConvF(9.64, 9.64, 9.64) Calibrated: 26/Jul/2004

Postprocessing SW: SEMCAD, V1.8 Build 130

Sensor-Surface: 4mm (Mechanical Surface Detection)

### **850MHz\_Left Head\_0 Deg\_CH189\_Data 21/Area Scan (8x14x1):**

Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.404 mW/g

### **850MHz\_Left Head\_0 Deg\_CH189\_Data 21/Zoom Scan (7x7x7)/Cube 0:**

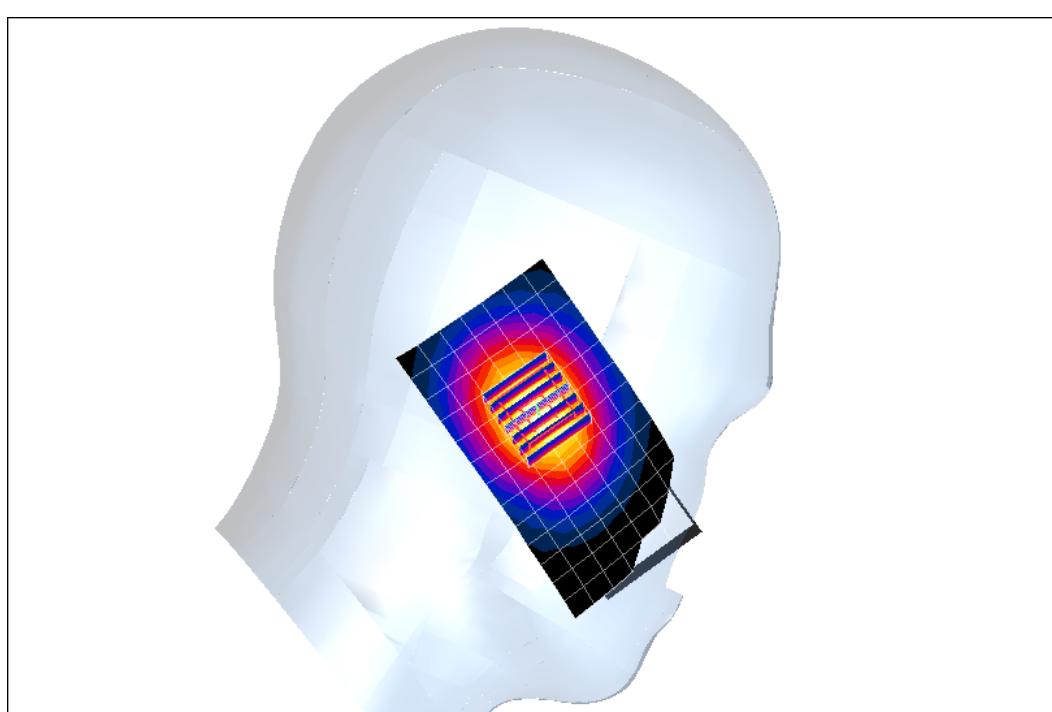
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 15.2 V/m; Power Drift = -0.1 dB

Peak SAR (extrapolated) = 0.505 W/kg

**SAR(1 g) = 0.382 mW/g; SAR(10 g) = 0.269 mW/g**

Maximum value of SAR (measured) = 0.411 mW/g



**Ambient Temperature:**  $23 \pm 1^{\circ}\text{C}$   
**Tissue Temperature:**  $23 \pm 1^{\circ}\text{C}$   
**Humidity:** 52% to 56%

**Test Laboratory:** The name of your organization

**Date:** 02/01/05

File Name: [850MHz\\_Left Head\\_0 Deg\\_CH251\\_Data 22.da4](#)

Program Name: Job Nos.: 56S041107

Phantom section: Left Section

DUT: Sendo\_Bono S321

Communication System: GSM 850

Frequency: 848.8 MHz

Duty Cycle: 1:8.3

Medium: 850MHz Head TissueMedium parameters used:  $\sigma = 0.9501$ ; mho/m,  $\epsilon_r = 43.03$ ;  $\rho = 1000$  kg/m<sup>3</sup>

**DASY4 Configuration:**

Electronics: DAE4 Sn627 Calibrated: 21/May/2004

Phantom: SAM 12 Measurement SW: DASY4, V4.4 Build 3

Probe: EX3DV4 - SN3541 ConvF(9.64, 9.64, 9.64) Calibrated: 26/Jul/2004

Postprocessing SW: SEMCAD, V1.8 Build 130

Sensor-Surface: 4mm (Mechanical Surface Detection)

### **850MHz\_Left Head\_0 Deg\_CH251\_Data 22/Area Scan (8x14x1):**

Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.550 mW/g

### **850MHz\_Left Head\_0 Deg\_CH251\_Data 22/Zoom Scan (7x7x7)/Cube 0:**

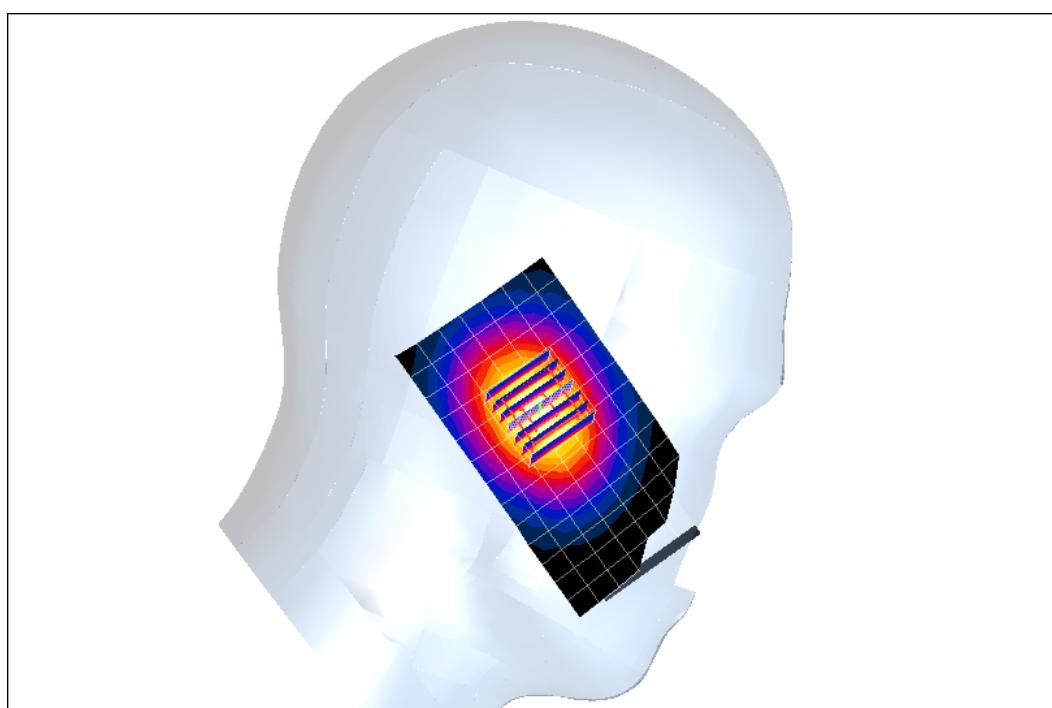
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 17.6 V/m; Power Drift = -0.1 dB

Peak SAR (extrapolated) = 0.691 W/kg

**SAR(1 g) = 0.526 mW/g; SAR(10 g) = 0.369 mW/g**

Maximum value of SAR (measured) = 0.562 mW/g



**Ambient Temperature:**  $23 \pm 1^{\circ}\text{C}$   
**Tissue Temperature:**  $23 \pm 1^{\circ}\text{C}$   
**Humidity:** 52% to 56%

**Test Laboratory:** The name of your organization

**Date:** 02/01/05

File Name: [850MHz\\_Left Head\\_15 Deg\\_CH128\\_Data 23.da4](#)

Program Name: Job Nos.: 56S041107

Phantom section: Left Section

DUT: Sendo\_Bono S321

Communication System: GSM 850

Frequency: 824.2 MHz

Duty Cycle: 1:8.3

Medium: 850MHz Head TissueMedium parameters used:  $\sigma = 0.9501$ ; mho/m,  $\epsilon_r = 43.03$ ;  $\rho = 1000$  kg/m<sup>3</sup>

**DASY4 Configuration:**

Electronics: DAE4 Sn627 Calibrated: 21/May/2004

Phantom: SAM 12 Measurement SW: DASY4, V4.4 Build 3

Probe: EX3DV4 - SN3541 ConvF(9.64, 9.64, 9.64) Calibrated: 26/Jul/2004

Postprocessing SW: SEMCAD, V1.8 Build 130

Sensor-Surface: 4mm (Mechanical Surface Detection)

### 850MHz\_Left Head\_15 Deg\_CH128\_Data 23/Area Scan (8x14x1):

Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.196 mW/g

### 850MHz\_Left Head\_15 Deg\_CH128\_Data 23/Zoom Scan (7x7x7)/Cube 0:

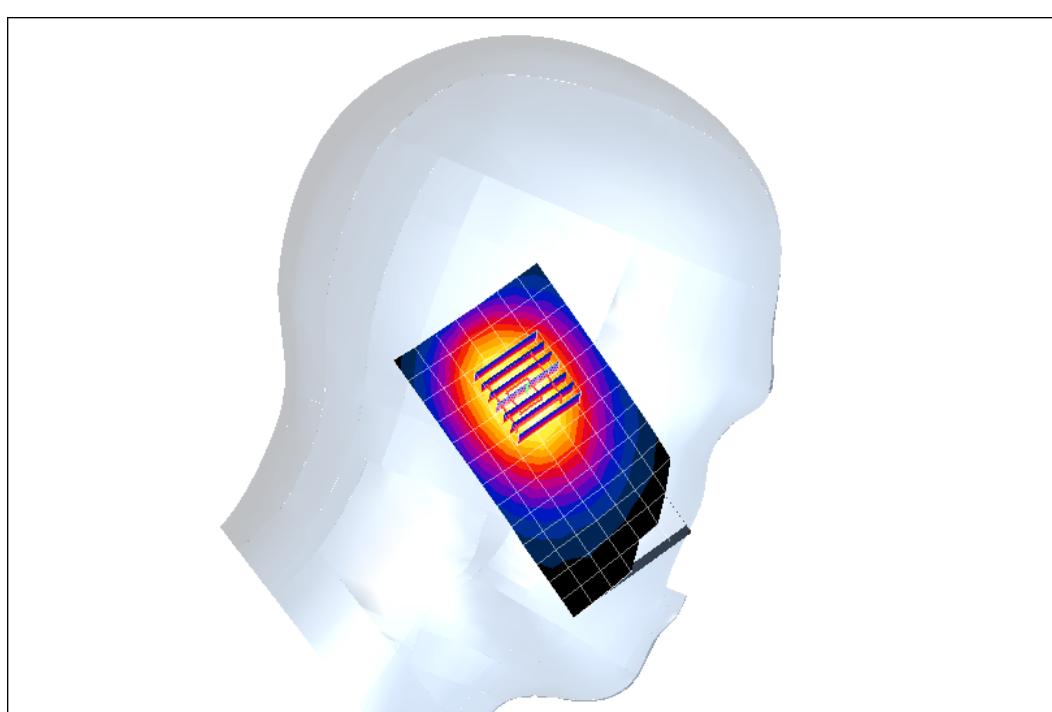
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13 V/m; Power Drift = -0.1 dB

Peak SAR (extrapolated) = 0.244 W/kg

**SAR(1 g) = 0.190 mW/g; SAR(10 g) = 0.138 mW/g**

Maximum value of SAR (measured) = 0.202 mW/g



**Ambient Temperature:**  $23 \pm 1^{\circ}\text{C}$   
**Tissue Temperature:**  $23 \pm 1^{\circ}\text{C}$   
**Humidity:** 52% to 56%

**Test Laboratory:** The name of your organization

**Date:** 02/01/05

File Name: [850MHz\\_Left Head\\_15 Deg\\_CH189\\_Data 24.da4](#)

Program Name: Job Nos.: 56S041107

Phantom section: Left Section

DUT: Sendo\_Bono S321

Communication System: GSM 850

Frequency: 836.4 MHz

Duty Cycle: 1:8.3

Medium: 850MHz Head TissueMedium parameters used:  $\sigma = 0.9501$ ; mho/m,  $\epsilon_r = 43.03$ ;  $\rho = 1000$  kg/m<sup>3</sup>

**DASY4 Configuration:**

Electronics: DAE4 Sn627 Calibrated: 21/May/2004

Phantom: SAM 12 Measurement SW: DASY4, V4.4 Build 3

Probe: EX3DV4 - SN3541 ConvF(9.64, 9.64, 9.64) Calibrated: 26/Jul/2004

Postprocessing SW: SEMCAD, V1.8 Build 130

Sensor-Surface: 4mm (Mechanical Surface Detection)

### **850MHz\_Left Head\_15 Deg\_CH189\_Data 24/Area Scan (8x14x1):**

Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.233 mW/g

### **850MHz\_Left Head\_15 Deg\_CH189\_Data 24/Zoom Scan (7x7x7)/Cube 0:** Measurement

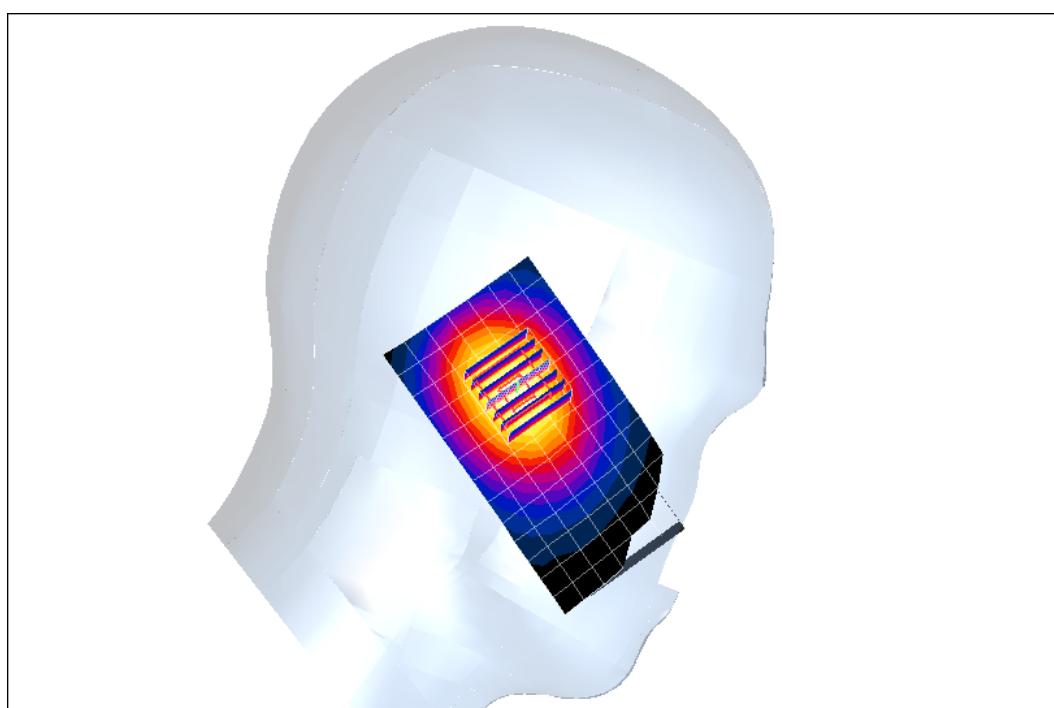
grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 14 V/m; Power Drift = -0.0 dB

Peak SAR (extrapolated) = 0.279 W/kg

**SAR(1 g) = 0.222 mW/g; SAR(10 g) = 0.161 mW/g**

Maximum value of SAR (measured) = 0.238 mW/g



**Ambient Temperature:**  $23 \pm 1^\circ\text{C}$   
**Tissue Temperature:**  $23 \pm 1^\circ\text{C}$   
**Humidity:** 52% to 56%

**Test Laboratory:** The name of your organization

**Date:** 02/01/05

File Name: [850MHz\\_Left Head\\_15 Deg\\_CH251\\_Data 25.da4](#)

Program Name: Job Nos.: 56S041107

Phantom section: Left Section

DUT: Sendo\_Bono S321

Communication System: GSM 850

Frequency: 848.8 MHz

Duty Cycle: 1:8.3

Medium: 850MHz Head TissueMedium parameters used:  $\sigma = 0.9501$ ; mho/m,  $\epsilon_r = 43.03$ ;  $\rho = 1000$  kg/m<sup>3</sup>

**DASY4 Configuration:**

Electronics: DAE4 Sn627 Calibrated: 21/May/2004

Phantom: SAM 12 Measurement SW: DASY4, V4.4 Build 3

Probe: EX3DV4 - SN3541 ConvF(9.64, 9.64, 9.64) Calibrated: 26/Jul/2004

Postprocessing SW: SEMCAD, V1.8 Build 130

Sensor-Surface: 4mm (Mechanical Surface Detection)

### **850MHz\_Left Head\_15 Deg\_CH251\_Data 25/Area Scan (8x14x1):**

Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.320 mW/g

### **850MHz\_Left Head\_15 Deg\_CH251\_Data 25/Zoom Scan (7x7x7)/Cube 0:**

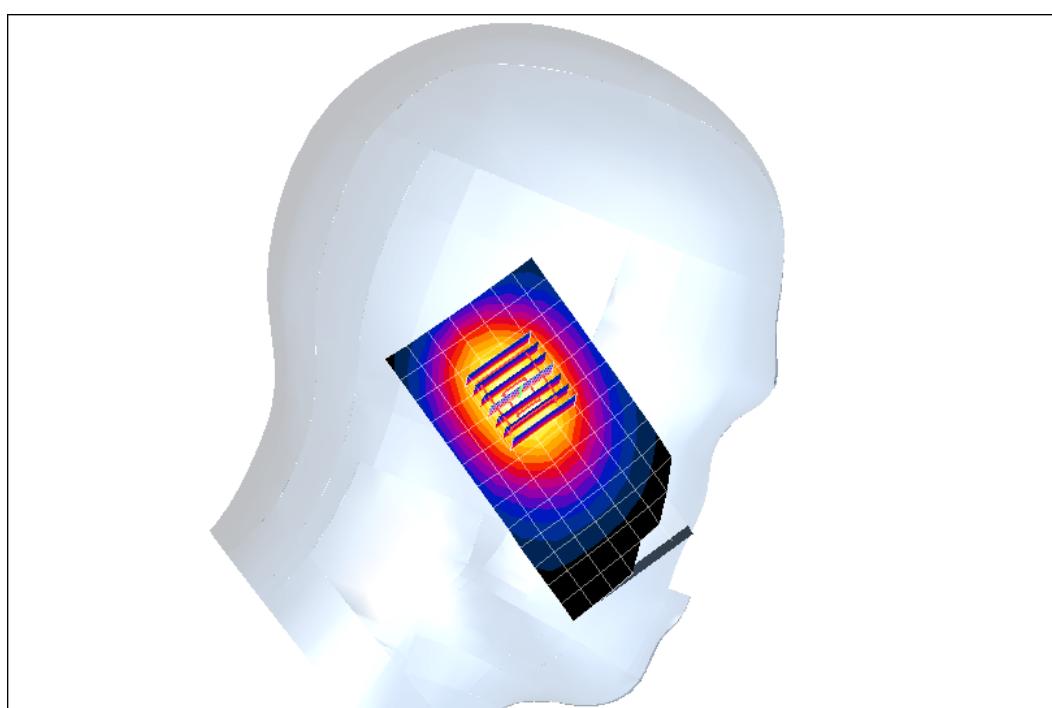
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 16.6 V/m; Power Drift = -0.2 dB

Peak SAR (extrapolated) = 0.386 W/kg

**SAR(1 g) = 0.301 mW/g; SAR(10 g) = 0.218 mW/g**

Maximum value of SAR (measured) = 0.317 mW/g



**Ambient Temperature:**  $23 \pm 1^{\circ}\text{C}$   
**Tissue Temperature:**  $23 \pm 1^{\circ}\text{C}$   
**Humidity:** 52% to 56%

**Test Laboratory:** The name of your organization

**Date:** 02/01/05

File Name: [850MHz\\_Right Head\\_0 Deg\\_CH128\\_Data 26.da4](#)

Program Name: Job Nos.: 56S041107

Phantom section: Right Section

DUT: Sendo\_Bono S321

Communication System: GSM 850

Frequency: 824.2 MHz

Duty Cycle: 1:8.3

Medium: 850MHz Head TissueMedium parameters used:  $\sigma = 0.9501$ ; mho/m,  $\epsilon_r = 43.03$ ;  $\rho = 1000$  kg/m<sup>3</sup>

**DASY4 Configuration:**

Electronics: DAE4 Sn627 Calibrated: 21/May/2004

Phantom: SAM 12 Measurement SW: DASY4, V4.4 Build 3

Probe: EX3DV4 - SN3541 ConvF(9.64, 9.64, 9.64) Calibrated: 26/Jul/2004

Postprocessing SW: SEMCAD, V1.8 Build 130

Sensor-Surface: 4mm (Mechanical Surface Detection)

### **850MHz\_Right Head\_0 Deg\_CH128\_Data 26/Area Scan (8x14x1):**

Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.392 mW/g

### **850MHz\_Right Head\_0 Deg\_CH128\_Data 26/Zoom Scan (7x7x7)/Cube 0:**

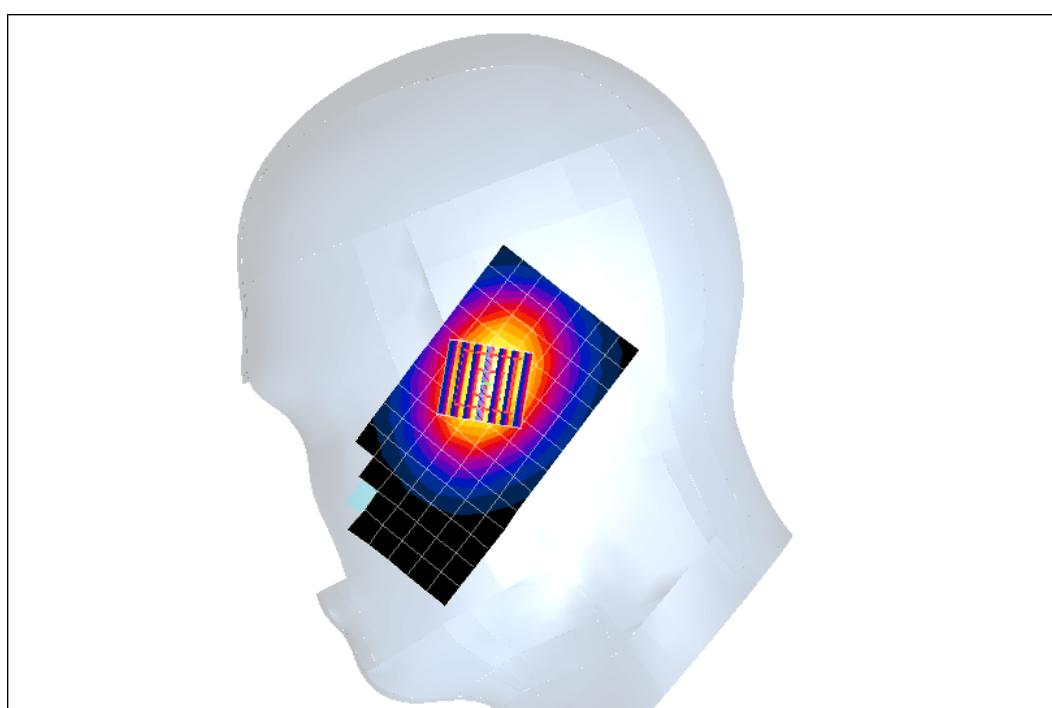
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 15.5 V/m; Power Drift = -0.1 dB

Peak SAR (extrapolated) = 0.488 W/kg

**SAR(1 g) = 0.372 mW/g; SAR(10 g) = 0.263 mW/g**

Maximum value of SAR (measured) = 0.396 mW/g



**TEST RESULTS**

**Ambient Temperature:**  $23 \pm 1^{\circ}\text{C}$   
**Tissue Temperature:**  $23 \pm 1^{\circ}\text{C}$   
**Humidity:** 52% to 56%

**Test Laboratory:** The name of your organization

**Date:** 02/01/05

File Name: [850MHz\\_Right Head\\_0 Deg\\_CH189\\_Data 27.da4](#)

Program Name: Job Nos.: 56S041107

Phantom section: Right Section

DUT: Sendo\_Bono S321

Communication System: GSM 850

Frequency: 836.4 MHz

Duty Cycle: 1:8.3

Medium: 850MHz Head TissueMedium parameters used:  $\sigma = 0.9501$ ; mho/m,  $\epsilon_r = 43.03$ ;  $\rho = 1000$  kg/m<sup>3</sup>

**DASY4 Configuration:**

Electronics: DAE4 Sn627 Calibrated: 21/May/2004

Phantom: SAM 12 Measurement SW: DASY4, V4.4 Build 3

Probe: EX3DV4 - SN3541 ConvF(9.64, 9.64, 9.64) Calibrated: 26/Jul/2004

Postprocessing SW: SEMCAD, V1.8 Build 130

Sensor-Surface: 4mm (Mechanical Surface Detection)

**850MHz\_Right Head\_0 Deg\_CH189\_Data 27/Area Scan (8x14x1):**

Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.476 mW/g

**850MHz\_Right Head\_0 Deg\_CH189\_Data 27/Zoom Scan (7x7x7)/Cube 0:** Measurement

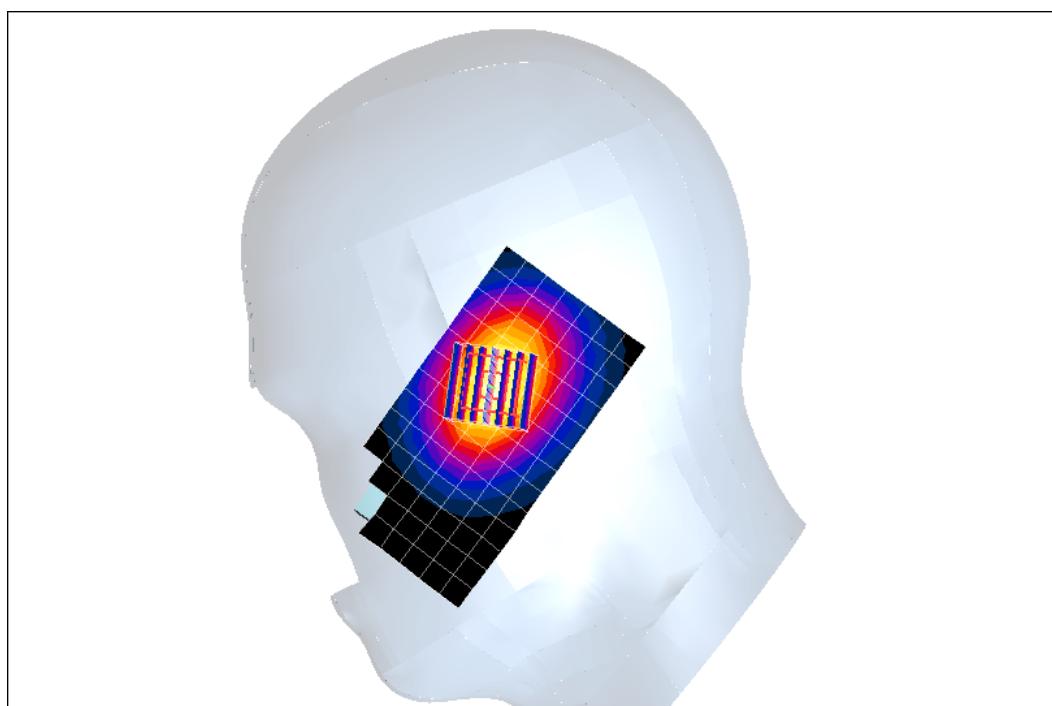
grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 16.8 V/m; Power Drift = -0.1 dB

Peak SAR (extrapolated) = 0.588 W/kg

**SAR(1 g) = 0.447 mW/g; SAR(10 g) = 0.314 mW/g**

Maximum value of SAR (measured) = 0.471 mW/g



**Ambient Temperature:**  $23 \pm 1^{\circ}\text{C}$   
**Tissue Temperature:**  $23 \pm 1^{\circ}\text{C}$   
**Humidity:** 52% to 56%

**Test Laboratory:** The name of your organization

**Date:** 02/01/05

File Name: [850MHz\\_Right Head\\_0 Deg\\_CH251\\_Data 28.da4](#)

Program Name: Job Nos.: 56S041107

Phantom section: Right Section

DUT: Sendo\_Bono S321

Communication System: GSM 850

Frequency: 848.8 MHz

Duty Cycle: 1:8.3

Medium: 850MHz Head TissueMedium parameters used:  $\sigma = 0.9501$ ; mho/m,  $\epsilon_r = 43.03$ ;  $\rho = 1000$  kg/m<sup>3</sup>

**DASY4 Configuration:**

Electronics: DAE4 Sn627 Calibrated: 21/May/2004

Phantom: SAM 12 Measurement SW: DASY4, V4.4 Build 3

Probe: EX3DV4 - SN3541 ConvF(9.64, 9.64, 9.64) Calibrated: 26/Jul/2004

Postprocessing SW: SEMCAD, V1.8 Build 130

Sensor-Surface: 4mm (Mechanical Surface Detection)

### **850MHz\_Right Head\_0 Deg\_CH251\_Data 28/Area Scan (8x14x1):**

Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.640 mW/g

### **850MHz\_Right Head\_0 Deg\_CH251\_Data 28/Zoom Scan (7x7x7)/Cube 0:**

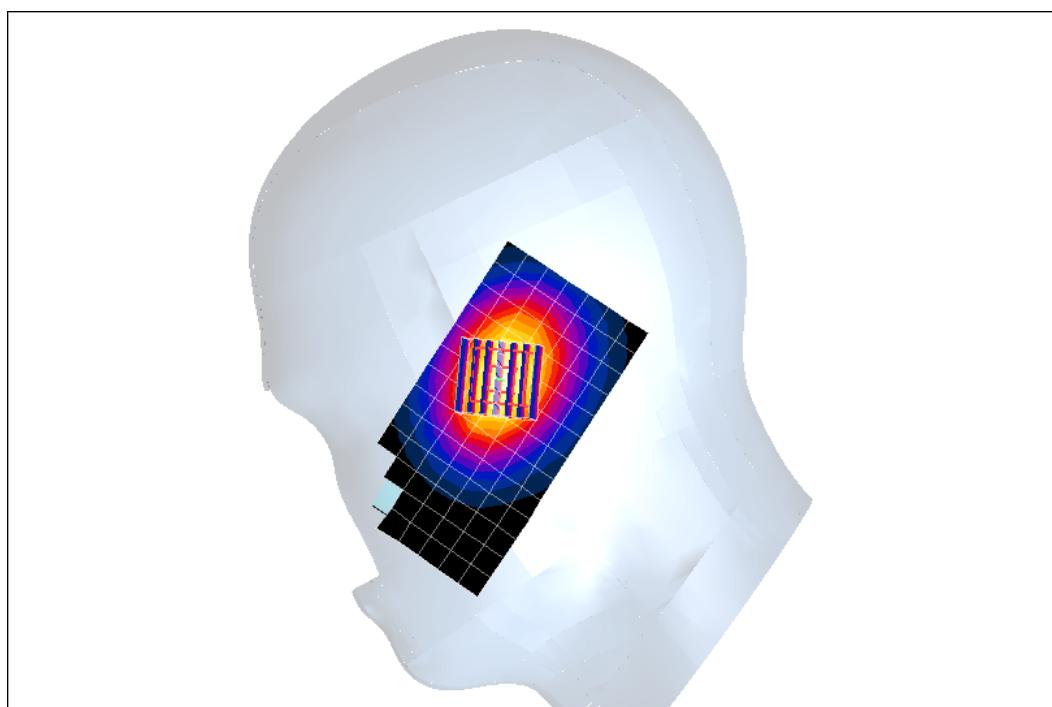
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 19.2 V/m; Power Drift = -0.1 dB

Peak SAR (extrapolated) = 0.786 W/kg

**SAR(1 g) = 0.604 mW/g; SAR(10 g) = 0.423 mW/g**

Maximum value of SAR (measured) = 0.640 mW/g



**Ambient Temperature:**  $23 \pm 1^{\circ}\text{C}$   
**Tissue Temperature:**  $23 \pm 1^{\circ}\text{C}$   
**Humidity:** 52% to 56%

**Test Laboratory:** The name of your organization

**Date:** 02/01/05

File Name: [850MHz\\_Right Head\\_15 Deg\\_CH128\\_Data 29.da4](#)

Program Name: Job Nos.: 56S041107

Phantom section: Right Section

DUT: Sendo\_Bono S321

Communication System: GSM 850

Frequency: 824.2 MHz

Duty Cycle: 1:8.3

Medium: 850MHz Head TissueMedium parameters used:  $\sigma = 0.9501$ ; mho/m,  $\epsilon_r = 43.03$ ;  $\rho = 1000$  kg/m<sup>3</sup>

**DASY4 Configuration:**

Electronics: DAE4 Sn627 Calibrated: 21/May/2004

Phantom: SAM 12 Measurement SW: DASY4, V4.4 Build 3

Probe: EX3DV4 - SN3541 ConvF(9.64, 9.64, 9.64) Calibrated: 26/Jul/2004

Postprocessing SW: SEMCAD, V1.8 Build 130

Sensor-Surface: 4mm (Mechanical Surface Detection)

### **850MHz\_Right Head\_15 Deg\_CH128\_Data 29/Area Scan (8x14x1):**

Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.216 mW/g

### **850MHz\_Right Head\_15 Deg\_CH128\_Data 29/Zoom Scan (7x7x7)/Cube 0:** Measurement

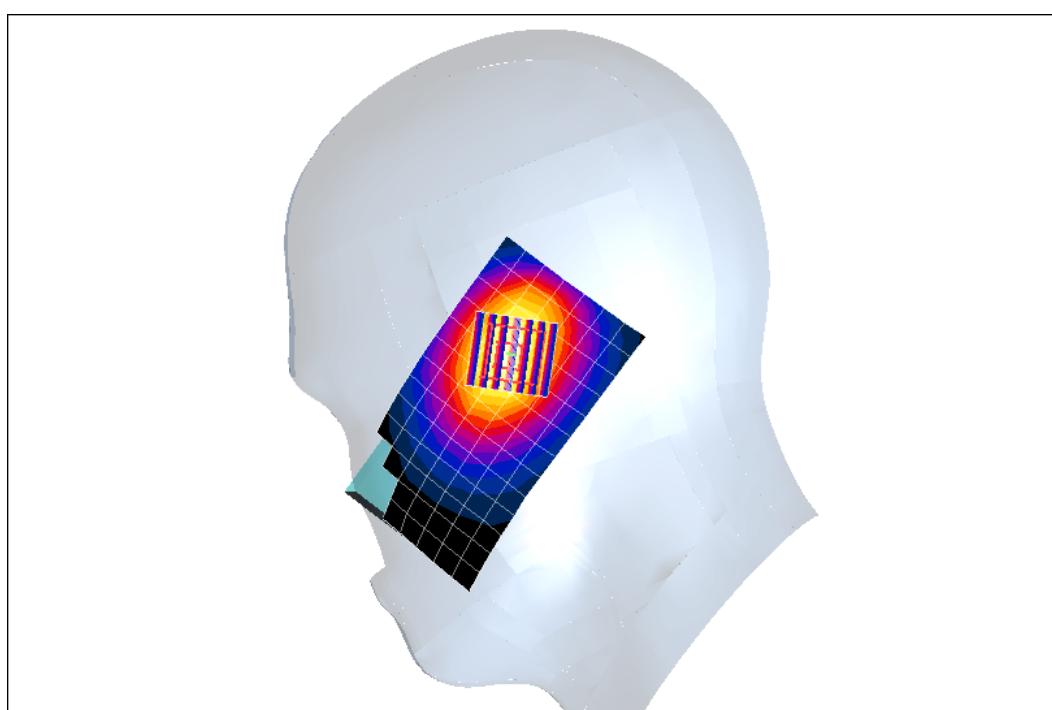
grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.5 V/m; Power Drift = -0.1 dB

Peak SAR (extrapolated) = 0.255 W/kg

**SAR(1 g) = 0.202 mW/g; SAR(10 g) = 0.147 mW/g**

Maximum value of SAR (measured) = 0.216 mW/g



**TEST RESULTS**

**Ambient Temperature:**  $23 \pm 1^{\circ}\text{C}$   
**Tissue Temperature:**  $23 \pm 1^{\circ}\text{C}$   
**Humidity:** 52% to 56%

**Test Laboratory:** The name of your organization

**Date:** 02/01/05

File Name: [850MHz\\_Right Head\\_15 Deg\\_CH189\\_Data 30.da4](#)

Program Name: Job Nos.: 56S041107

Phantom section: Right Section

DUT: Sendo\_Bono S321

Communication System: GSM 850

Frequency: 836.4 MHz

Duty Cycle: 1:8.3

Medium: 850MHz Head TissueMedium parameters used:  $\sigma = 0.9501$ ; mho/m,  $\epsilon_r = 43.03$ ;  $\rho = 1000$  kg/m<sup>3</sup>

**DASY4 Configuration:**

Electronics: DAE4 Sn627 Calibrated: 21/May/2004

Phantom: SAM 12 Measurement SW: DASY4, V4.4 Build 3

Probe: EX3DV4 - SN3541 ConvF(9.64, 9.64, 9.64) Calibrated: 26/Jul/2004

Postprocessing SW: SEMCAD, V1.8 Build 130

Sensor-Surface: 4mm (Mechanical Surface Detection)

**850MHz\_Right Head\_15 Deg\_CH189\_Data 30/Area Scan (8x14x1):**

Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.263 mW/g

**850MHz\_Right Head\_15 Deg\_CH189\_Data 30/Zoom Scan (7x7x7)/Cube 0:** Measurement

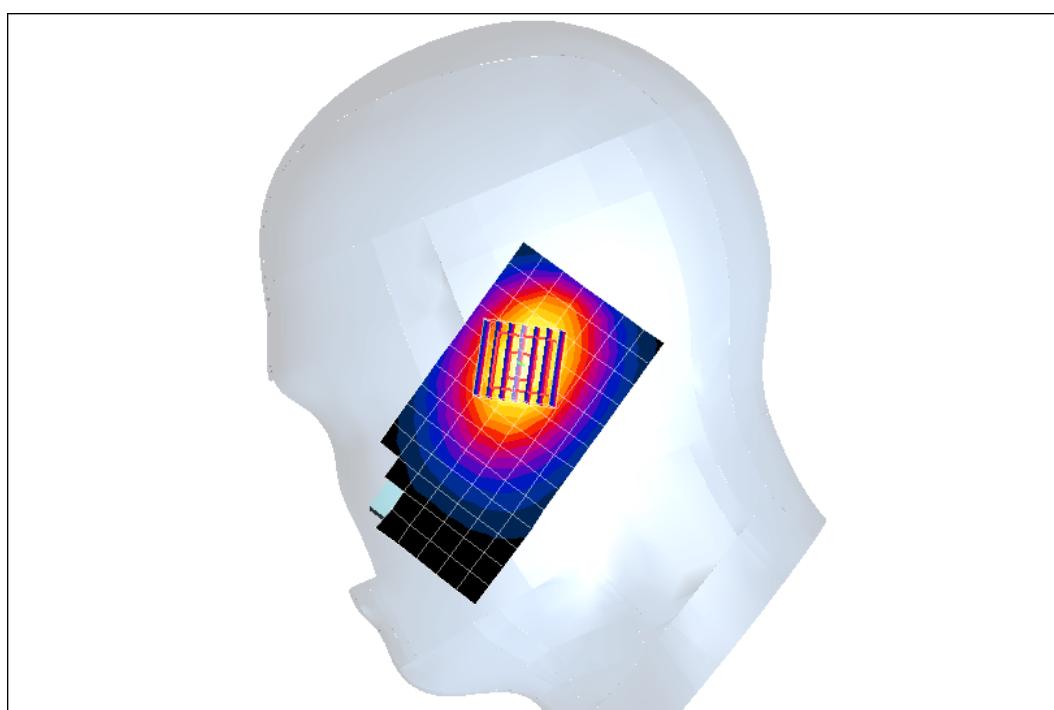
grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 14.7 V/m; Power Drift = -0.0 dB

Peak SAR (extrapolated) = 0.320 W/kg

**SAR(1 g) = 0.246 mW/g; SAR(10 g) = 0.178 mW/g**

Maximum value of SAR (measured) = 0.260 mW/g



**Ambient Temperature:**  $23 \pm 1^{\circ}\text{C}$   
**Tissue Temperature:**  $23 \pm 1^{\circ}\text{C}$   
**Humidity:** 52% to 56%

**Test Laboratory: The name of your organization****Date: 02/01/05**File Name: [850MHz\\_Right Head\\_15 Deg\\_CH251\\_Data 31.da4](#)

Program Name: Job Nos.: 56S041107

Phantom section: Right Section

DUT: Sendo\_Bono S321

Communication System: GSM 850

Frequency: 848.8 MHz

Duty Cycle: 1:8.3

Medium: 850MHz Head TissueMedium parameters used:  $\sigma = 0.9501$ ; mho/m,  $\epsilon_r = 43.03$ ;  $\rho = 1000$  kg/m<sup>3</sup>**DASY4 Configuration:**

Electronics: DAE4 Sn627 Calibrated: 21/May/2004

Phantom: SAM 12 Measurement SW: DASY4, V4.4 Build 3

Probe: EX3DV4 - SN3541 ConvF(9.64, 9.64, 9.64) Calibrated: 26/Jul/2004

Postprocessing SW: SEMCAD, V1.8 Build 130

Sensor-Surface: 4mm (Mechanical Surface Detection)

**850MHz\_Right Head\_15 Deg\_CH251\_Data 31/Area Scan (8x14x1):**

Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.361 mW/g

**850MHz\_Right Head\_15 Deg\_CH251\_Data 31/Zoom Scan (7x7x7)/Cube 0:** Measurement

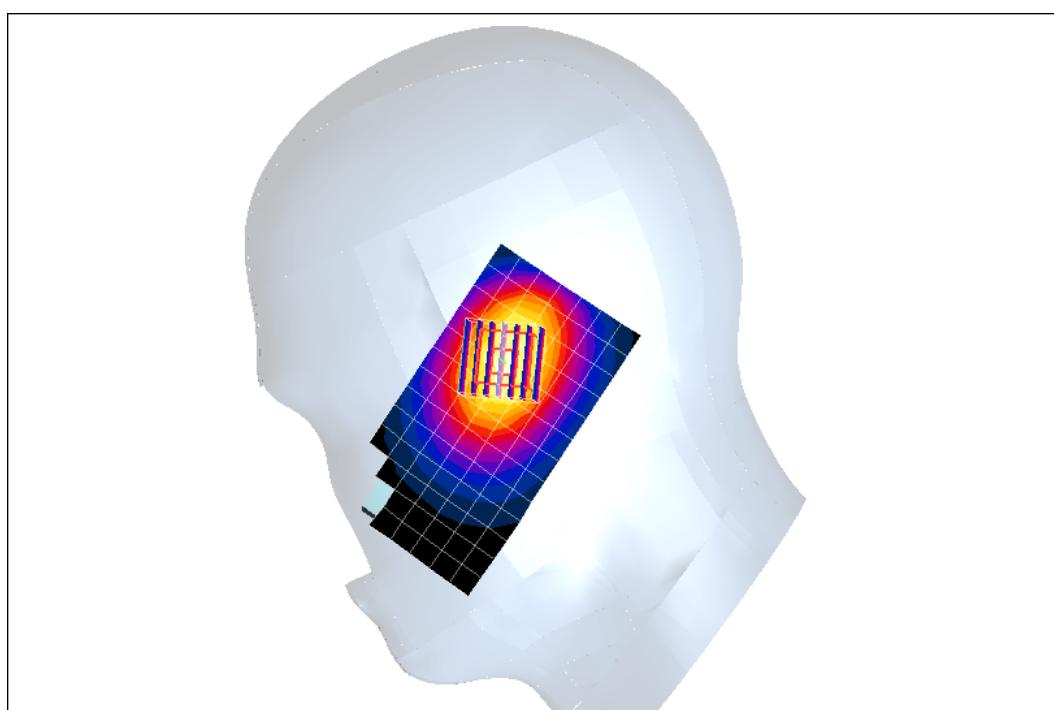
grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 17.3 V/m; Power Drift = -0.1 dB

Peak SAR (extrapolated) = 0.441 W/kg

**SAR(1 g) = 0.339 mW/g; SAR(10 g) = 0.245 mW/g**

Maximum value of SAR (measured) = 0.362 mW/g



**TEST RESULTS**

**Ambient Temperature:**  $23 \pm 1^{\circ}\text{C}$   
**Tissue Temperature:**  $23 \pm 1^{\circ}\text{C}$   
**Humidity:** 53% to 60%

**Test Laboratory:** The name of your organization

**Date:** 01/28/05

File Name: [1900MHz\\_Left Head\\_0 Deg\\_CH512\\_Data 1.da4](#)

Program Name: Job Nos.: 56S041107

Phantom section: Left Section

DUT: Sendo\_Bono S321

Communication System: DCS 1900

Frequency: 1850.2 MHz

Duty Cycle: 1:8.3

Medium: 1900MHz Head TissueMedium parameters used:  $\sigma = 1.4412$ ; mho/m,  $\epsilon_r = 38.72$ ;  $\rho = 1000$  kg/m<sup>3</sup>

**DASY4 Configuration:**

Electronics: DAE4 Sn627 Calibrated: 21/May/2004

Phantom: SAM 12 Measurement SW: DASY4, V4.4 Build 3

Probe: EX3DV4 - SN3541 ConvF(8.03, 8.03, 8.03) Calibrated: 26/Jul/2004

Postprocessing SW: SEMCAD, V1.8 Build 130

Sensor-Surface: 4mm (Mechanical Surface Detection)

**1900MHz\_Left Head\_0 Deg\_CH512\_Data 1/Area Scan (8x14x1):**

Measurement grid: dx=10mm, dy=10mm

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

**1900MHz\_Left Head\_0 Deg\_CH512\_Data 1/Zoom Scan (7x7x7)/Cube 0:**

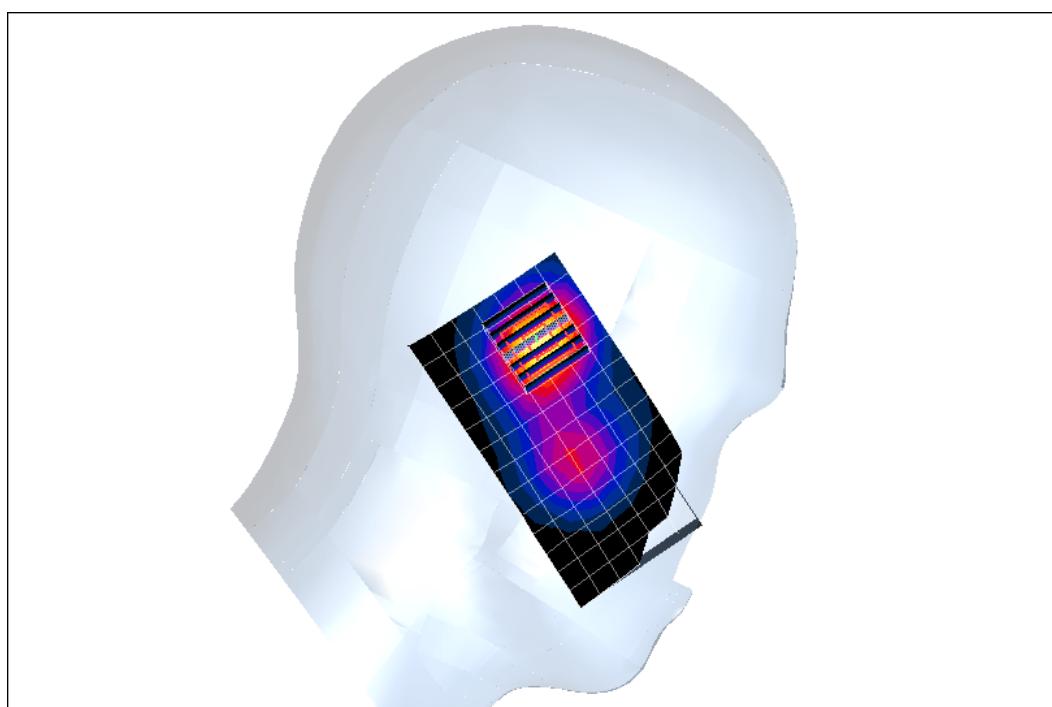
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 18 V/m; Power Drift = -0.0 dB

Peak SAR (extrapolated) = 0.990 W/kg

**SAR(1 g) = 0.623 mW/g; SAR(10 g) = 0.353 mW/g**

Maximum value of SAR (measured) = 0.693 mW/g



**Ambient Temperature:**  $23 \pm 1^{\circ}\text{C}$   
**Tissue Temperature:**  $23 \pm 1^{\circ}\text{C}$   
**Humidity:** 53% to 60%

**Test Laboratory:** The name of your organization

**Date:** 01/28/05

File Name: [1900MHz\\_Left Head\\_0 Deg\\_CH661\\_Data 02.da4](#)

Program Name: Job Nos.: 56S041107

Phantom section: Left Section

DUT: Sendo\_Bono S321

Communication System: DCS 1900

Frequency: 1880 MHz

Duty Cycle: 1:8.3

Medium: 1900MHz Head TissueMedium parameters used:  $\sigma = 1.4412$ ; mho/m,  $\epsilon_r = 38.72$ ;  $\rho = 1000 \text{ kg/m}^3$

**DASY4 Configuration:**

Electronics: DAE4 Sn627 Calibrated: 21/May/2004

Phantom: SAM 12 Measurement SW: DASY4, V4.4 Build 3

Probe: EX3DV4 - SN3541 ConvF(8.03, 8.03, 8.03) Calibrated: 26/Jul/2004

Postprocessing SW: SEMCAD, V1.8 Build 130

Sensor-Surface: 4mm (Mechanical Surface Detection)

### **1900MHz\_Left Head\_0 Deg\_CH661\_Data 2/Area Scan (8x14x1):**

Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.759 mW/g

### **1900MHz\_Left Head\_0 Deg\_CH661\_Data 2/Zoom Scan (7x7x7)/Cube 0:**

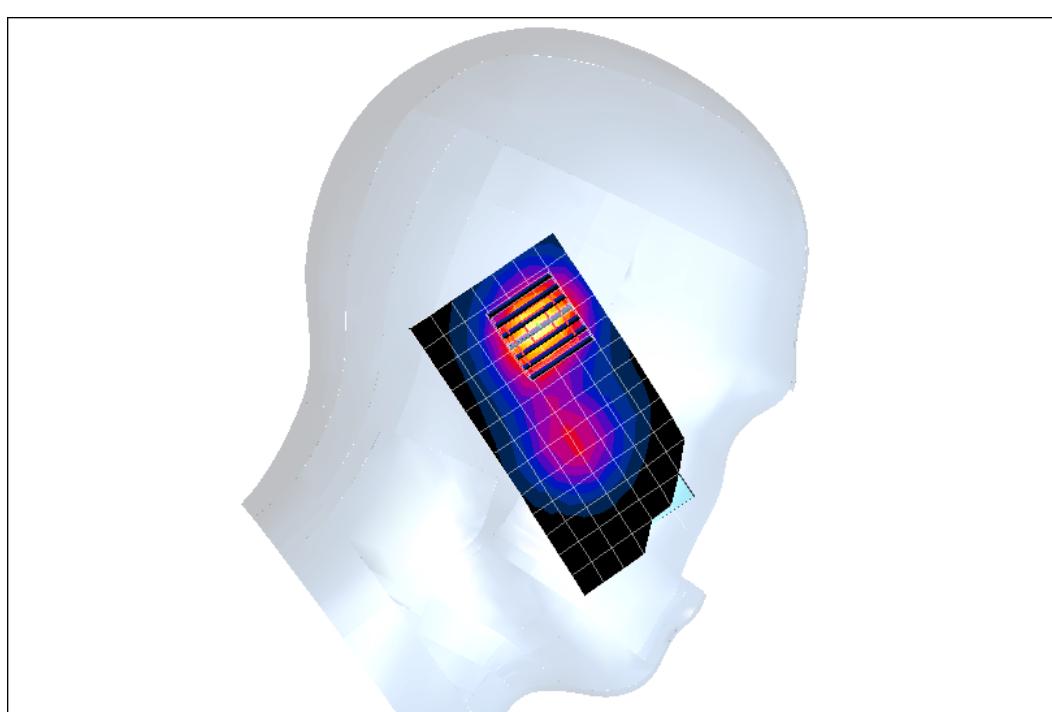
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 19.3 V/m; Power Drift = -0.1 dB

Peak SAR (extrapolated) = 1.13 W/kg

**SAR(1 g) = 0.707 mW/g; SAR(10 g) = 0.399 mW/g**

Maximum value of SAR (measured) = 0.789 mW/g



**Ambient Temperature:**  $23 \pm 1^{\circ}\text{C}$   
**Tissue Temperature:**  $23 \pm 1^{\circ}\text{C}$   
**Humidity:** 53% to 60%

**Test Laboratory:** The name of your organization

**Date:** 01/28/05

File Name: [1900MHz\\_Left Head\\_0 Deg\\_CH810\\_Data 3.da4](#)

Program Name: Job Nos.: 56S041107

Phantom section: Left Section

DUT: Sendo\_Bono S321

Communication System: DCS 1900

Frequency: 1909.8 MHz

Duty Cycle: 1:8.3

Medium: 1900MHz Head TissueMedium parameters used:  $\sigma = 1.441$ ; mho/m,  $\epsilon_r = 38.72$ ;  $\rho = 1000$  kg/m<sup>3</sup>

**DASY4 Configuration:**

Electronics: DAE4 Sn627 Calibrated: 21/May/2004

Phantom: SAM 12 Measurement SW: DASY4, V4.4 Build 3

Probe: EX3DV4 - SN3541 ConvF(8.03, 8.03, 8.03) Calibrated: 26/Jul/2004

Postprocessing SW: SEMCAD, V1.8 Build 130

Sensor-Surface: 4mm (Mechanical Surface Detection)

### **1900MHz\_Left Head\_0 Deg\_CH810\_Data 3/Area Scan (8x14x1):**

Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.955 mW/g

### **1900MHz\_Left Head\_0 Deg\_CH810\_Data 3/Zoom Scan (7x7x7)/Cube 0:**

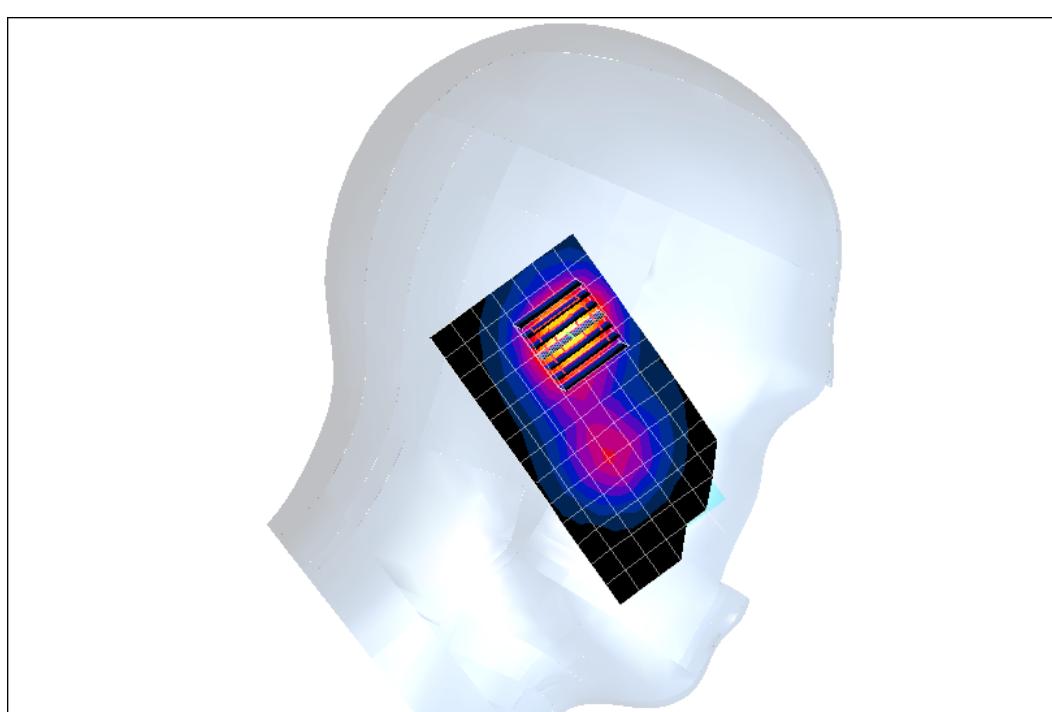
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 19.1 V/m; Power Drift = -0.0 dB

Peak SAR (extrapolated) = 1.43 W/kg

**SAR(1 g) = 0.901 mW/g; SAR(10 g) = 0.505 mW/g**

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



**Ambient Temperature:**  $23 \pm 1^{\circ}\text{C}$   
**Tissue Temperature:**  $23 \pm 1^{\circ}\text{C}$   
**Humidity:** 53% to 60%

**Test Laboratory: The name of your organization**

**Date: 01/28/05**

File Name: [1900MHz\\_Left Head\\_15 Deg\\_CH512\\_Data 4.da4](#)

Program Name: Job Nos.: 56S041107

Phantom section: Left Section

DUT: Sendo\_Bono S321

Communication System: DCS 1900

Frequency: 1850.2 MHz

Duty Cycle: 1:8.3

Medium: 1900MHz Head TissueMedium parameters used:  $\sigma = 1.4412$ ;  $\text{mho/m}$ ,  $\epsilon_r = 38.72$ ;  $\rho = 1000 \text{ kg/m}^3$

**DASY4 Configuration:**

Electronics: DAE4 Sn627 Calibrated: 21/May/2004

Phantom: SAM 12 Measurement SW: DASY4, V4.4 Build 3

Probe: EX3DV4 - SN3541 ConvF(8.03, 8.03, 8.03) Calibrated: 26/Jul/2004

Postprocessing SW: SEMCAD, V1.8 Build 130

Sensor-Surface: 4mm (Mechanical Surface Detection)

### **1900MHz\_Left Head\_15 Deg\_CH512\_Data 4/Area Scan (8x14x1):**

Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

Maximum value of SAR (measured) = 0.594 mW/g

### **1900MHz\_Left Head\_15 Deg\_CH512\_Data 4/Zoom Scan (7x7x7)/Cube 0:**

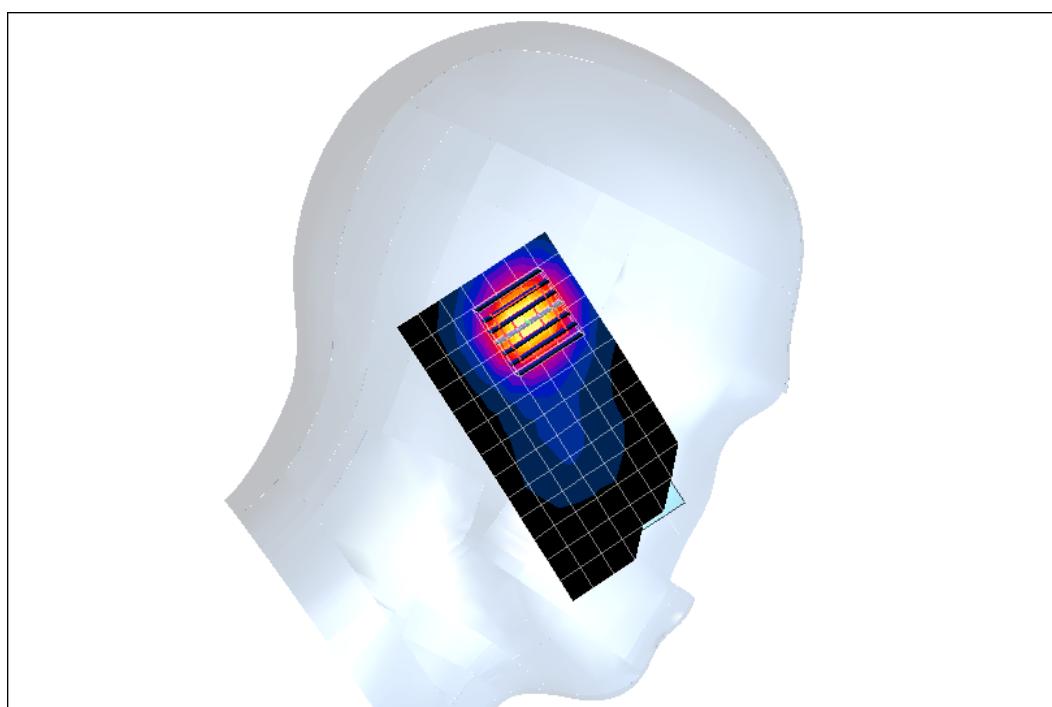
Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 18.5 V/m; Power Drift = -0.2 dB

Peak SAR (extrapolated) = 0.926 W/kg

**SAR(1 g) = 0.582 mW/g; SAR(10 g) = 0.324 mW/g**

Maximum value of SAR (measured) = 0.650 mW/g



**Ambient Temperature:**  $23 \pm 1^{\circ}\text{C}$   
**Tissue Temperature:**  $23 \pm 1^{\circ}\text{C}$   
**Humidity:** 53% to 60%

**Test Laboratory:** The name of your organization

**Date:** 01/28/05

File Name: [1900MHz\\_Left Head\\_15 Deg\\_CH661\\_Data 5.da4](#)

Program Name: Job Nos.: 56S041107

Phantom section: Left Section

DUT: Sendo\_Bono S321

Communication System: DCS 1900

Frequency: 1880 MHz

Duty Cycle: 1:8.3

Medium: 1900MHz Head TissueMedium parameters used:  $\sigma = 1.4412$ ; mho/m,  $\epsilon_r = 38.72$ ;  $\rho = 1000 \text{ kg/m}^3$

**DASY4 Configuration:**

Electronics: DAE4 Sn627 Calibrated: 21/May/2004

Phantom: SAM 12 Measurement SW: DASY4, V4.4 Build 3

Probe: EX3DV4 - SN3541 ConvF(8.03, 8.03, 8.03) Calibrated: 26/Jul/2004

Postprocessing SW: SEMCAD, V1.8 Build 130

Sensor-Surface: 4mm (Mechanical Surface Detection)

### **1900MHz\_Left Head\_15 Deg\_CH661\_Data 5/Area Scan (8x14x1):**

Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.694 mW/g

### **1900MHz\_Left Head\_15 Deg\_CH661\_Data 5/Zoom Scan (7x7x7)/Cube 0:**

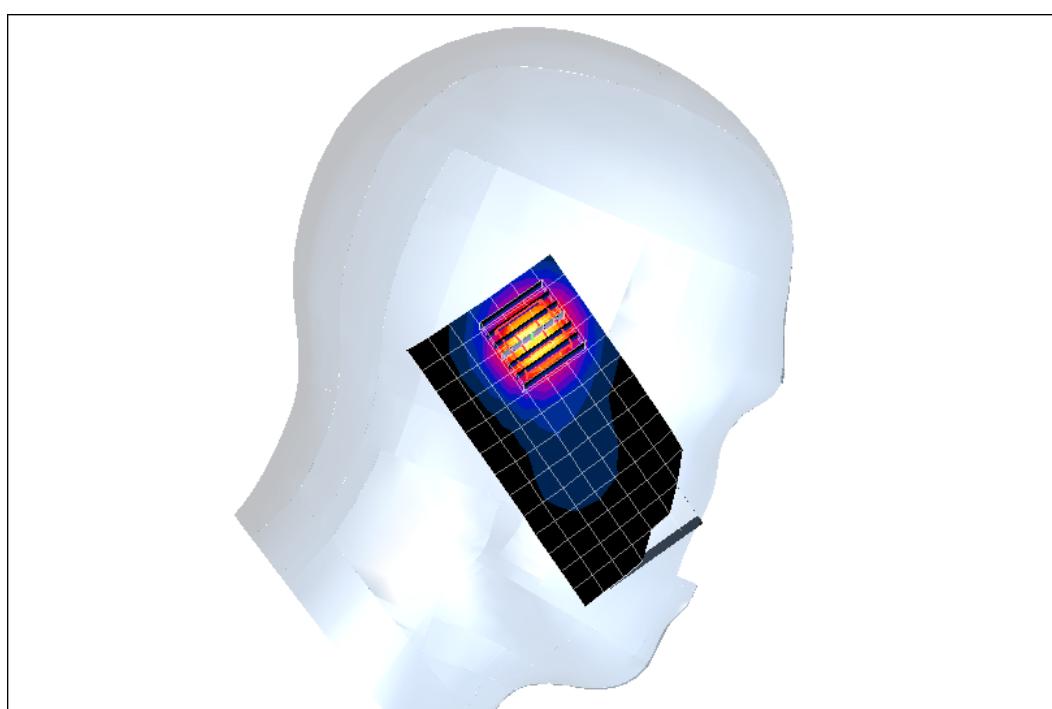
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 20 V/m; Power Drift = -0.1 dB

Peak SAR (extrapolated) = 1.12 W/kg

**SAR(1 g) = 0.689 mW/g; SAR(10 g) = 0.379 mW/g**

Maximum value of SAR (measured) = 0.774 mW/g



**Ambient Temperature:**  $23 \pm 1^{\circ}\text{C}$   
**Tissue Temperature:**  $23 \pm 1^{\circ}\text{C}$   
**Humidity:** 53% to 60%

**Test Laboratory: The name of your organization****Date: 01/28/05**File Name: [1900MHz\\_Left Head\\_15 Deg\\_CH810\\_Data 6.da4](#)

Program Name: Job Nos.: 56S041107

Phantom section: Left Section

DUT: Sendo\_Bono S321

Communication System: DCS 1900

Frequency: 1909.8 MHz

Duty Cycle: 1:8.3

Medium: 1900MHz Head TissueMedium parameters used:  $\sigma = 1.441$ ; mho/m,  $\epsilon_r = 38.72$ ;  $\rho = 1000$  kg/m<sup>3</sup>**DASY4 Configuration:**

Electronics: DAE4 Sn627 Calibrated: 21/May/2004

Phantom: SAM 12 Measurement SW: DASY4, V4.4 Build 3

Probe: EX3DV4 - SN3541 ConvF(8.03, 8.03, 8.03) Calibrated: 26/Jul/2004

Postprocessing SW: SEMCAD, V1.8 Build 130

Sensor-Surface: 4mm (Mechanical Surface Detection)

**1900MHz\_Left Head\_15 Deg\_CH810\_Data 6/Area Scan (8x14x1):**

Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.935 mW/g

**1900MHz\_Left Head\_15 Deg\_CH810\_Data 6/Zoom Scan (7x7x7)/Cube 0:** Measurement

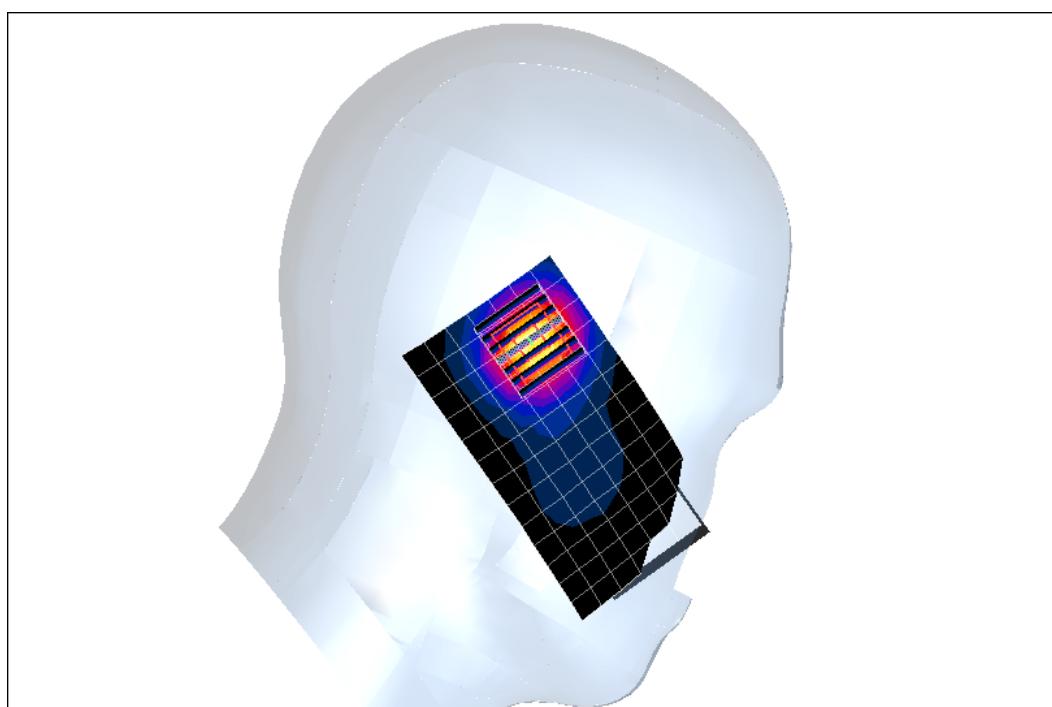
grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 23.4 V/m; Power Drift = -0.1 dB

Peak SAR (extrapolated) = 1.52 W/kg

**SAR(1 g) = 0.931 mW/g; SAR(10 g) = 0.508 mW/g**

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



**Ambient Temperature:**  $23 \pm 1^{\circ}\text{C}$   
**Tissue Temperature:**  $23 \pm 1^{\circ}\text{C}$   
**Humidity:** 53% to 60%

**Test Laboratory: The name of your organization****Date: 01/28/05**File Name: [1900MHz\\_Right Head\\_0 Deg\\_CH512\\_Data 7.da4](#)

Program Name: Job Nos.: 56S041107

Phantom section: Right Section

DUT: Sendo\_Bono S321

Communication System: DCS 1900

Frequency: 1850.2 MHz

Duty Cycle: 1:8.3

Medium: 1900MHz Head TissueMedium parameters used:  $\sigma = 1.4412$ ; mho/m,  $\epsilon_r = 38.72$ ;  $\rho = 1000 \text{ kg/m}^3$ **DASY4 Configuration:**

Electronics: DAE4 Sn627 Calibrated: 21/May/2004

Phantom: SAM 12 Measurement SW: DASY4, V4.4 Build 3

Probe: EX3DV4 - SN3541 ConvF(8.03, 8.03, 8.03) Calibrated: 26/Jul/2004

Postprocessing SW: SEMCAD, V1.8 Build 130

Sensor-Surface: 4mm (Mechanical Surface Detection)

**1900MHz\_Right Head\_0 Deg\_CH512\_Data 7/Area Scan (8x14x1):**

Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.556 mW/g

**1900MHz\_Right Head\_0 Deg\_CH512\_Data 7/Zoom Scan (7x7x7)/Cube 0:** Measurement

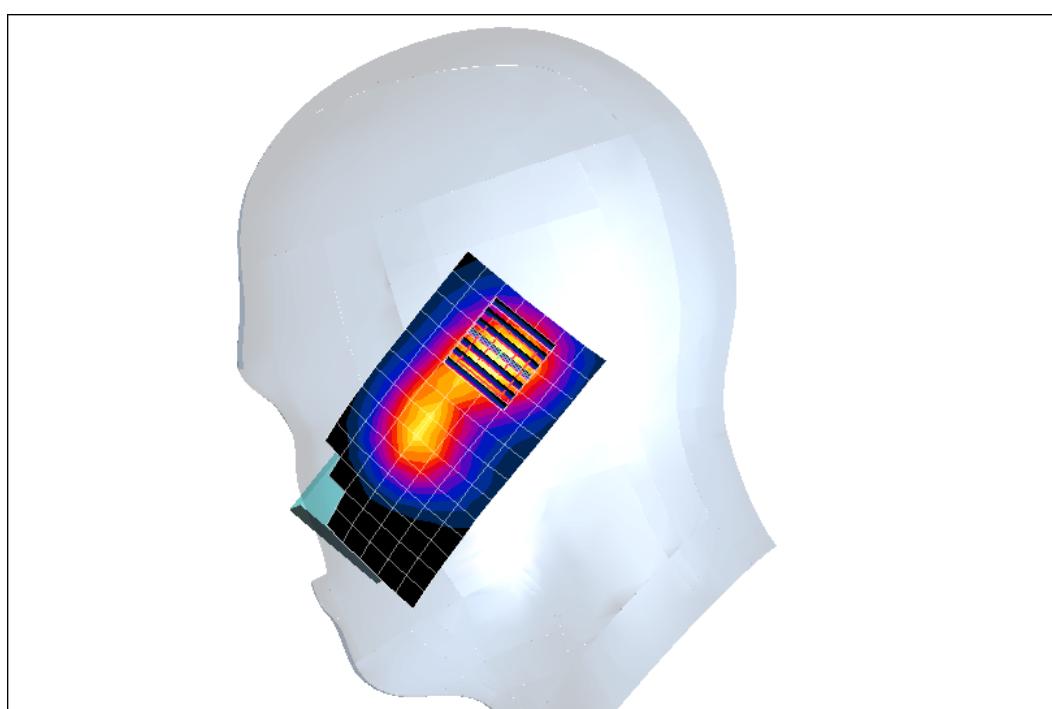
grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 19.7 V/m; Power Drift = -0.1 dB

Peak SAR (extrapolated) = 0.792 W/kg

**SAR(1 g) = 0.536 mW/g; SAR(10 g) = 0.321 mW/g**

Maximum value of SAR (measured) = 0.588 mW/g



**TEST RESULTS**

**Ambient Temperature:**  $23 \pm 1^{\circ}\text{C}$   
**Tissue Temperature:**  $23 \pm 1^{\circ}\text{C}$   
**Humidity:** 53% to 60%

**Test Laboratory: The name of your organization****Date: 01/28/05**File Name: [1900MHz\\_Right Head\\_0 Deg\\_CH661\\_Data 8.da4](#)

Program Name: Job Nos.: 56S041107

Phantom section: Right Section

DUT: Sendo\_Bono S321

Communication System: DCS 1900

Frequency: 1880 MHz

Duty Cycle: 1:8.3

Medium: 1900MHz Head TissueMedium parameters used:  $\sigma = 1.4412$ ; mho/m,  $\epsilon_r = 38.72$ ;  $\rho = 1000 \text{ kg/m}^3$ **DASY4 Configuration:**

Electronics: DAE4 Sn627 Calibrated: 21/May/2004

Phantom: SAM 12 Measurement SW: DASY4, V4.4 Build 3

Probe: EX3DV4 - SN3541 ConvF(8.03, 8.03, 8.03) Calibrated: 26/Jul/2004

Postprocessing SW: SEMCAD, V1.8 Build 130

Sensor-Surface: 4mm (Mechanical Surface Detection)

**1900MHz\_Right Head\_0 Deg\_CH661\_Data 8/Area Scan (8x14x1):**

Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.636 mW/g

**1900MHz\_Right Head\_0 Deg\_CH661\_Data 8/Zoom Scan (7x7x7)/Cube 0:** Measurement

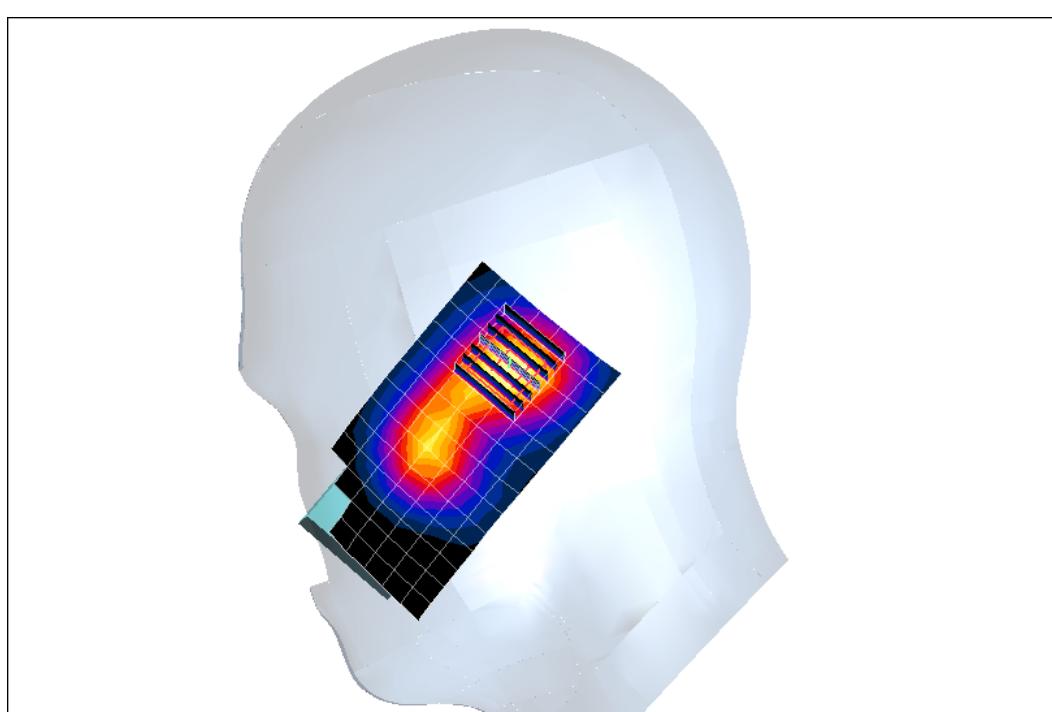
grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 21.2 V/m; Power Drift = -0.1 dB

Peak SAR (extrapolated) = 0.936 W/kg

**SAR(1 g) = 0.617 mW/g; SAR(10 g) = 0.367 mW/g**

Maximum value of SAR (measured) = 0.675 mW/g



**TEST RESULTS**

**Ambient Temperature:**  $23 \pm 1^\circ\text{C}$   
**Tissue Temperature:**  $23 \pm 1^\circ\text{C}$   
**Humidity:** 53% to 60%

**Test Laboratory: The name of your organization****Date: 01/28/05**File Name: [1900MHz\\_Right Head\\_0 Deg\\_CH810\\_Data 9.da4](#)

Program Name: Job Nos.: 56S041107

Phantom section: Right Section

DUT: Sendo\_Bono S321

Communication System: DCS 1900

Frequency: 1909.8 MHz

Duty Cycle: 1:8.3

Medium: 1900MHz Head TissueMedium parameters used:  $\sigma = 1.441$ ; mho/m,  $\epsilon_r = 38.72$ ;  $\rho = 1000$  kg/m<sup>3</sup>**DASY4 Configuration:**

Electronics: DAE4 Sn627 Calibrated: 21/May/2004

Phantom: SAM 12 Measurement SW: DASY4, V4.4 Build 3

Probe: EX3DV4 - SN3541 ConvF(8.03, 8.03, 8.03) Calibrated: 26/Jul/2004

Postprocessing SW: SEMCAD, V1.8 Build 130

Sensor-Surface: 4mm (Mechanical Surface Detection)

**1900MHz\_Right Head\_0 Deg\_CH810\_Data 9/Area Scan (8x14x1):**

Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.778 mW/g

**1900MHz\_Right Head\_0 Deg\_CH810\_Data 9/Zoom Scan (7x7x7)/Cube 0:** Measurement

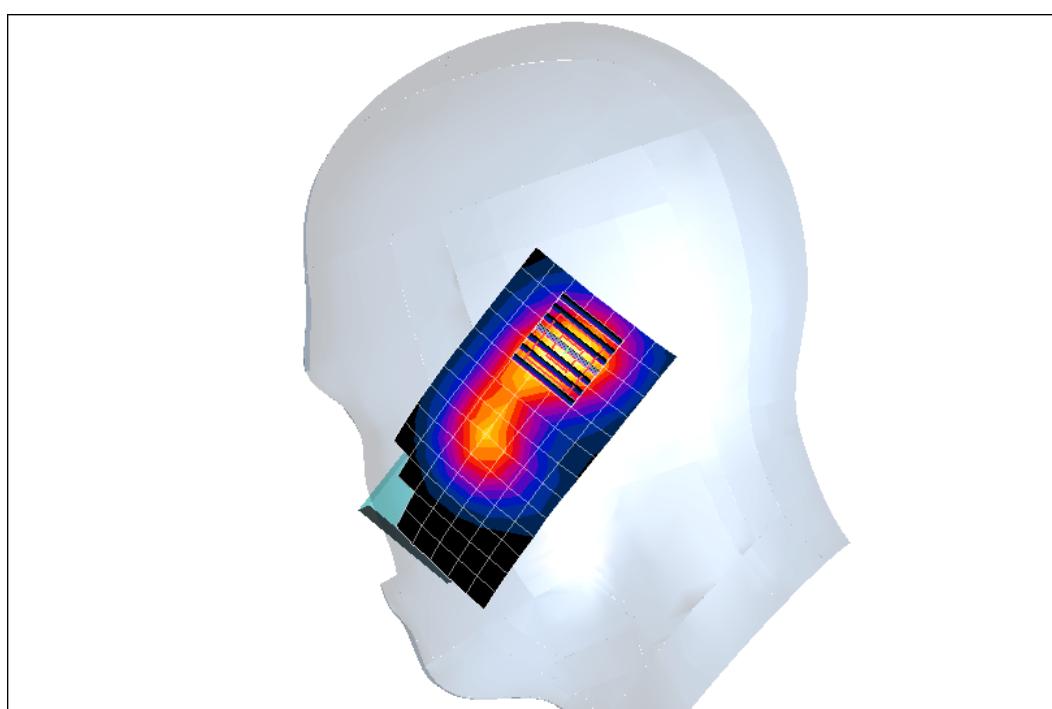
grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 23.4 V/m; Power Drift = -0.1 dB

Peak SAR (extrapolated) = 1.13 W/kg

**SAR(1 g) = 0.747 mW/g; SAR(10 g) = 0.443 mW/g**

Maximum value of SAR (measured) = 0.820 mW/g



**Ambient Temperature:**  $23 \pm 1^{\circ}\text{C}$   
**Tissue Temperature:**  $23 \pm 1^{\circ}\text{C}$   
**Humidity:** 53% to 60%

**Test Laboratory: Telecom & EMC Testing Group****Date: 01/28/05**File Name: [1900MHz\\_Right Head\\_15 Deg\\_CH512\\_Data 10.da4](#)

Program Name: Job Nos.: 56S041107

Phantom section: Right Section

DUT: Sendo\_Bono S321

Communication System: DCS 1900

Frequency: 1850.2 MHz

Duty Cycle: 1:8.3

Medium: 1900MHz Head TissueMedium parameters used:  $\sigma = 1.4412$ ; mho/m,  $\epsilon_r = 38.72$ ;  $\rho = 1000 \text{ kg/m}^3$ **DASY4 Configuration:**

Electronics: DAE4 Sn627 Calibrated: 21/May/2004

Phantom: SAM 12 Measurement SW: DASY4, V4.4 Build 3

Probe: EX3DV4 - SN3541 ConvF(8.03, 8.03, 8.03) Calibrated: 26/Jul/2004

Postprocessing SW: SEMCAD, V1.8 Build 130

Sensor-Surface: 4mm (Mechanical Surface Detection)

**1900MHz\_Right Head\_15 Deg\_CH512\_Data 10/Area Scan (8x14x1):**

Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.539 mW/g

**1900MHz\_Right Head\_15 Deg\_CH512\_Data 10/Zoom Scan (7x7x7)/Cube 0:** Measurement

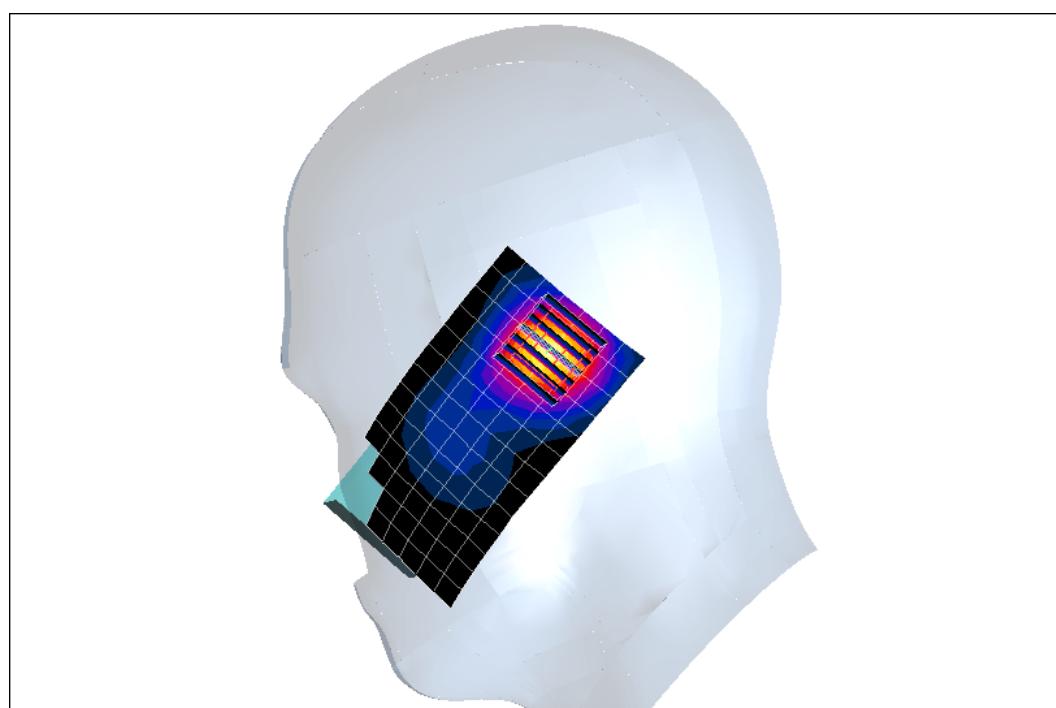
grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 19.2 V/m; Power Drift = -0.0 dB

Peak SAR (extrapolated) = 0.755 W/kg

**SAR(1 g) = 0.496 mW/g; SAR(10 g) = 0.296 mW/g**

Maximum value of SAR (measured) = 0.550 mW/g



**Ambient Temperature:**  $23 \pm 1^{\circ}\text{C}$   
**Tissue Temperature:**  $23 \pm 1^{\circ}\text{C}$   
**Humidity:** 53% to 60%

**Test Laboratory: The name of your organization**

**Date: 01/28/05**

File Name: [1900MHz\\_Right Head\\_15 Deg\\_CH661\\_Data 11.da4](#)

Program Name: Job Nos.: 56S041107

Phantom section: Right Section

DUT: Sendo\_Bono S321

Communication System: DCS 1900

Frequency: 1880 MHz

Duty Cycle: 1:8.3

Medium: 1900MHz Head TissueMedium parameters used:  $\sigma = 1.4412$ ; mho/m,  $\epsilon_r = 38.72$ ;  $\rho = 1000 \text{ kg/m}^3$

**DASY4 Configuration:**

Electronics: DAE4 Sn627 Calibrated: 21/May/2004

Phantom: SAM 12 Measurement SW: DASY4, V4.4 Build 3

Probe: EX3DV4 - SN3541 ConvF(8.03, 8.03, 8.03) Calibrated: 26/Jul/2004

Postprocessing SW: SEMCAD, V1.8 Build 130

Sensor-Surface: 4mm (Mechanical Surface Detection)

### **1900MHz\_Right Head\_15 Deg\_CH661\_Data 11/Area Scan (8x14x1):**

Measurement grid: dx=10mm, dy=10mm

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

### **1900MHz\_Right Head\_15 Deg\_CH661\_Data 11/Zoom Scan (7x7x7)/Cube 0:** Measurement

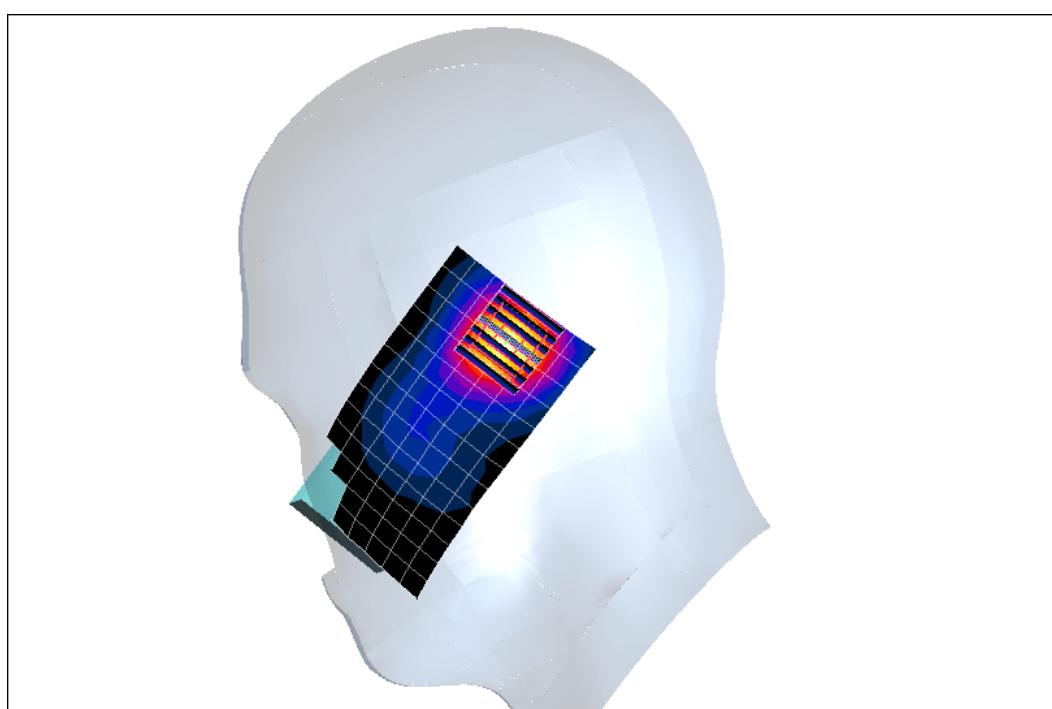
grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 20.9 V/m; Power Drift = -0.0 dB

Peak SAR (extrapolated) = 0.908 W/kg

**SAR(1 g) = 0.584 mW/g; SAR(10 g) = 0.337 mW/g**

Maximum value of SAR (measured) = 0.646 mW/g



**Ambient Temperature:**  $23 \pm 1^{\circ}\text{C}$   
**Tissue Temperature:**  $23 \pm 1^{\circ}\text{C}$   
**Humidity:** 53% to 60%

**Test Laboratory: The name of your organization****Date: 01/28/05**File Name: [1900MHz\\_Right Head\\_15 Deg\\_CH810\\_Data 12.da4](#)

Program Name: Job Nos.: 56S041107

Phantom section: Right Section

DUT: Sendo\_Bono S321

Communication System: DCS 1900

Frequency: 1909.8 MHz

Duty Cycle: 1:8.3

Medium: 1900MHz Head TissueMedium parameters used:  $\sigma = 1.441$ ; mho/m,  $\epsilon_r = 38.72$ ;  $\rho = 1000$  kg/m<sup>3</sup>**DASY4 Configuration:**

Electronics: DAE4 Sn627 Calibrated: 21/May/2004

Phantom: SAM 12 Measurement SW: DASY4, V4.4 Build 3

Probe: EX3DV4 - SN3541 ConvF(8.03, 8.03, 8.03) Calibrated: 26/Jul/2004

Postprocessing SW: SEMCAD, V1.8 Build 130

Sensor-Surface: 4mm (Mechanical Surface Detection)

**1900MHz\_Right Head\_15 Deg\_CH810\_Data 12/Area Scan (8x14x1):**

Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.837 mW/g

**1900MHz\_Right Head\_15 Deg\_CH810\_Data 12/Zoom Scan (7x7x7)/Cube 0:** Measurement

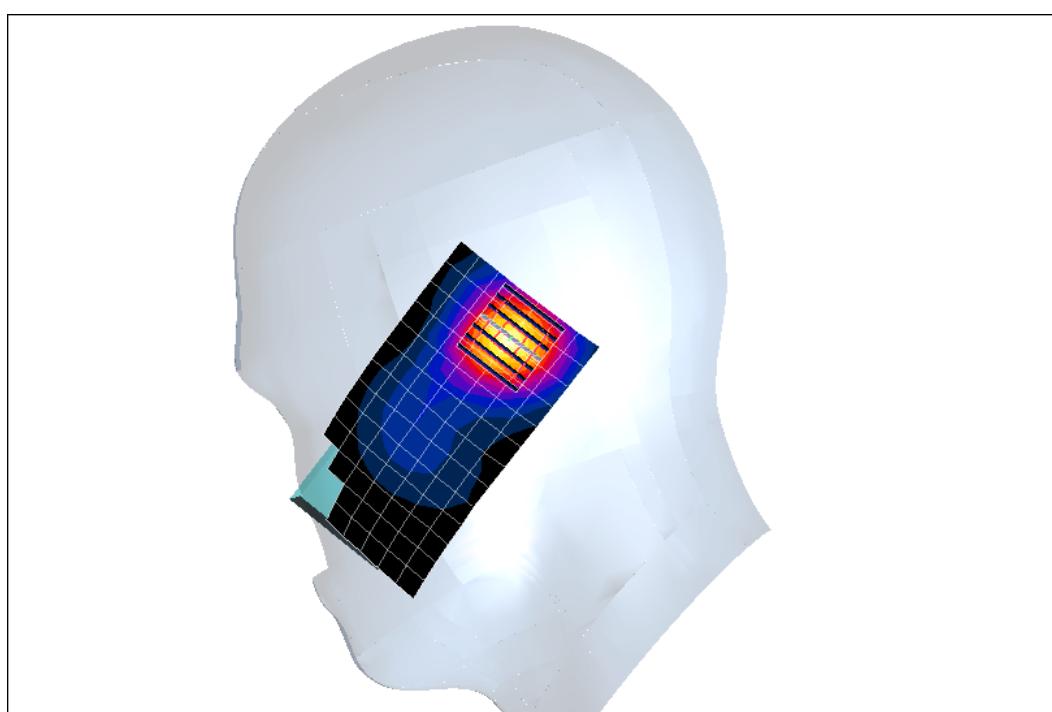
grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 23.7 V/m; Power Drift = -0.0 dB

Peak SAR (extrapolated) = 1.23 W/kg

**SAR(1 g) = 0.756 mW/g; SAR(10 g) = 0.430 mW/g**

Maximum value of SAR (measured) = 0.838 mW/g



**Ambient Temperature:**  $23 \pm 1^\circ\text{C}$   
**Tissue Temperature:**  $23 \pm 1^\circ\text{C}$   
**Humidity:** 55% to 59%

**Test Laboratory: The name of your organization**

**Date: 02/02/05**

File Name: [850MHz\\_EUT\\_Front\\_Touched\\_Phantom\\_Ch\\_128\\_Data\\_32.da4](#)

Program Name: Job Nos.: 56S041107

Phantom section: Flat Section

DUT: Sendo\_Bono S321

Communication System: GSM 850

Frequency: 824.2 MHz

Duty Cycle: 1:8.3

Medium: 850MHz Body TissueMedium parameters used:  $\sigma = 0.9931$ ; mho/m,  $\epsilon_r = 55.31$ ;  $\rho = 1000$  kg/m<sup>3</sup>

**DASY4 Configuration:**

Electronics: DAE4 Sn627 Calibrated: 21/May/2004

Phantom: SAM 12 Measurement SW: DASY4, V4.4 Build 3

Probe: EX3DV4 - SN3541 ConvF(9.61, 9.61, 9.61) Calibrated: 26/Jul/2004

Postprocessing SW: SEMCAD, V1.8 Build 130

Sensor-Surface: 4mm (Mechanical Surface Detection)

### **850MHz\_EUT\_Front\_Touched\_Phantom\_Ch\_128\_Data\_32/Area Scan (7x15x1):**

Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.369 mW/g

### **850MHz\_EUT\_Front\_Touched\_Phantom\_Ch\_128\_Data\_32/Zoom Scan (7x7x7)/Cube 0:**

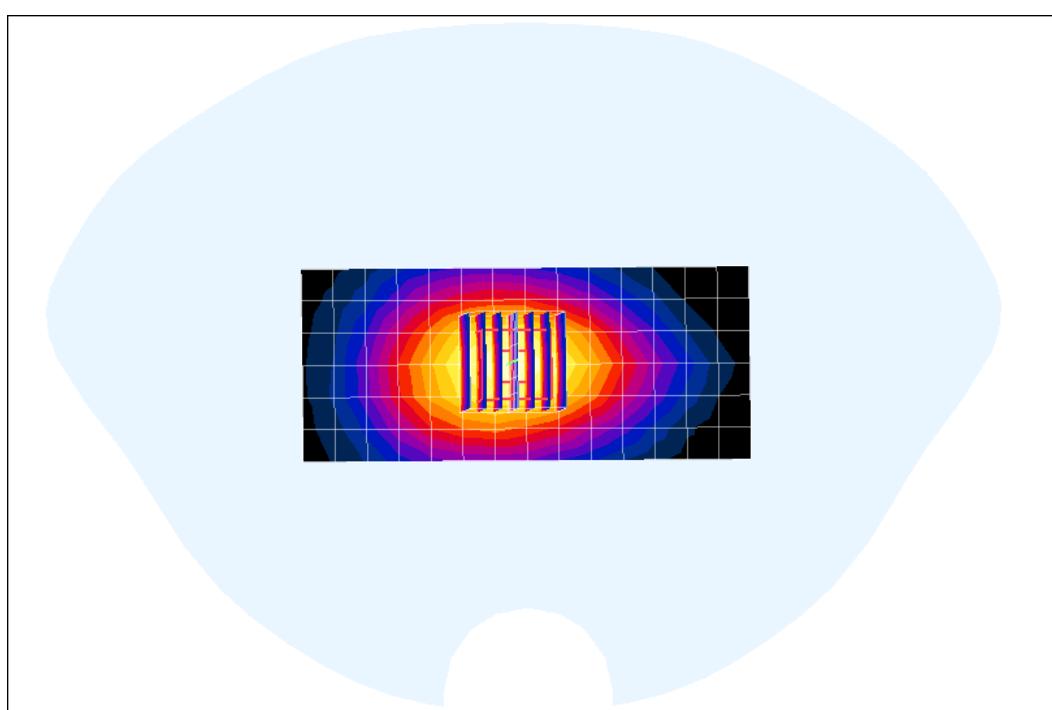
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 19.4 V/m; Power Drift = 0.0 dB

Peak SAR (extrapolated) = 0.470 W/kg

**SAR(1 g) = 0.361 mW/g; SAR(10 g) = 0.259 mW/g**

Maximum value of SAR (measured) = 0.384 mW/g



**Ambient Temperature:**  $23 \pm 1^{\circ}\text{C}$   
**Tissue Temperature:**  $23 \pm 1^{\circ}\text{C}$   
**Humidity:** 55% to 59%

**Test Laboratory: The name of your organization**

**Date: 02/02/05**

File Name: [850MHz\\_EUT Front Touched Phantom\\_Ch 189\\_Data 33.da4](#)

Program Name: Job Nos.: 56S041107

Phantom section: Flat Section

DUT: Sendo\_Bono S321

Communication System: GSM 850

Frequency: 836.4 MHz

Duty Cycle: 1:8.3

Medium: 850MHz Body TissueMedium parameters used:  $\sigma = 0.9931$ ; mho/m,  $\epsilon_r = 55.31$ ;  $\rho = 1000$  kg/m<sup>3</sup>

**DASY4 Configuration:**

Electronics: DAE4 Sn627 Calibrated: 21/May/2004

Phantom: SAM 12 Measurement SW: DASY4, V4.4 Build 3

Probe: EX3DV4 - SN3541 ConvF(9.61, 9.61, 9.61) Calibrated: 26/Jul/2004

Postprocessing SW: SEMCAD, V1.8 Build 130

Sensor-Surface: 4mm (Mechanical Surface Detection)

**850MHz\_EUT Front Touched Phantom\_Ch 189\_Data 33/Area Scan (7x15x1):** Measurement

grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.454 mW/g

**850MHz\_EUT Front Touched Phantom\_Ch 189\_Data 33/Zoom Scan (7x7x7)/Cube 0:**

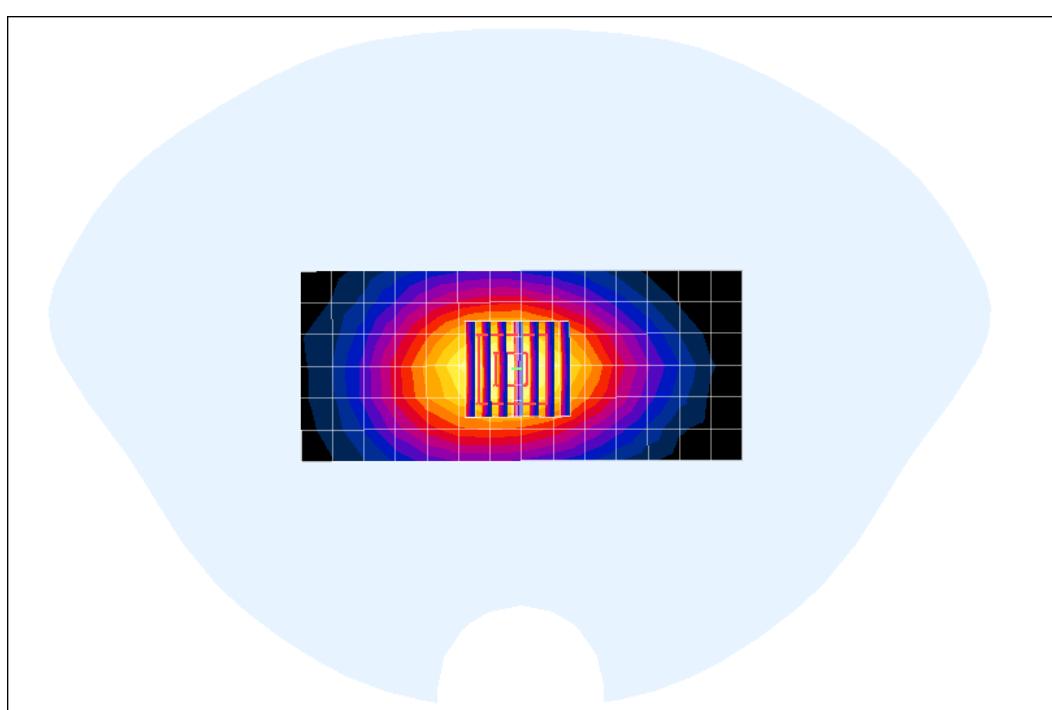
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 21.4 V/m; Power Drift = -0.1 dB

Peak SAR (extrapolated) = 0.541 W/kg

**SAR(1 g) = 0.423 mW/g; SAR(10 g) = 0.306 mW/g**

Maximum value of SAR (measured) = 0.453 mW/g



**Ambient Temperature:**  $23 \pm 1^{\circ}\text{C}$   
**Tissue Temperature:**  $23 \pm 1^{\circ}\text{C}$   
**Humidity:** 55% to 59%

**Test Laboratory: The name of your organization**

**Date: 02/02/05**

File Name: [850MHz\\_EUT Front Touched Phantom\\_Ch 251\\_Data 34.da4](#)

Program Name: Job Nos.: 56S041107

Phantom section: Flat Section

DUT: Sendo\_Bono S321

Communication System: GSM 850

Frequency: 848.8 MHz

Duty Cycle: 1:8.3

Medium: 850MHz Body TissueMedium parameters used:  $\sigma = 0.9931$ ; mho/m,  $\epsilon_r = 55.31$ ;  $\rho = 1000$  kg/m<sup>3</sup>

**DASY4 Configuration:**

Electronics: DAE4 Sn627 Calibrated: 21/May/2004

Phantom: SAM 12 Measurement SW: DASY4, V4.4 Build 3

Probe: EX3DV4 - SN3541 ConvF(9.61, 9.61, 9.61) Calibrated: 26/Jul/2004

Postprocessing SW: SEMCAD, V1.8 Build 130

Sensor-Surface: 4mm (Mechanical Surface Detection)

### **850MHz\_EUT Front Touched Phantom\_Ch 251\_Data 34/Area Scan (7x15x1):**

Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.538 mW/g

### **850MHz\_EUT Front Touched Phantom\_Ch 251\_Data 34/Zoom Scan (7x7x7)/Cube 0:**

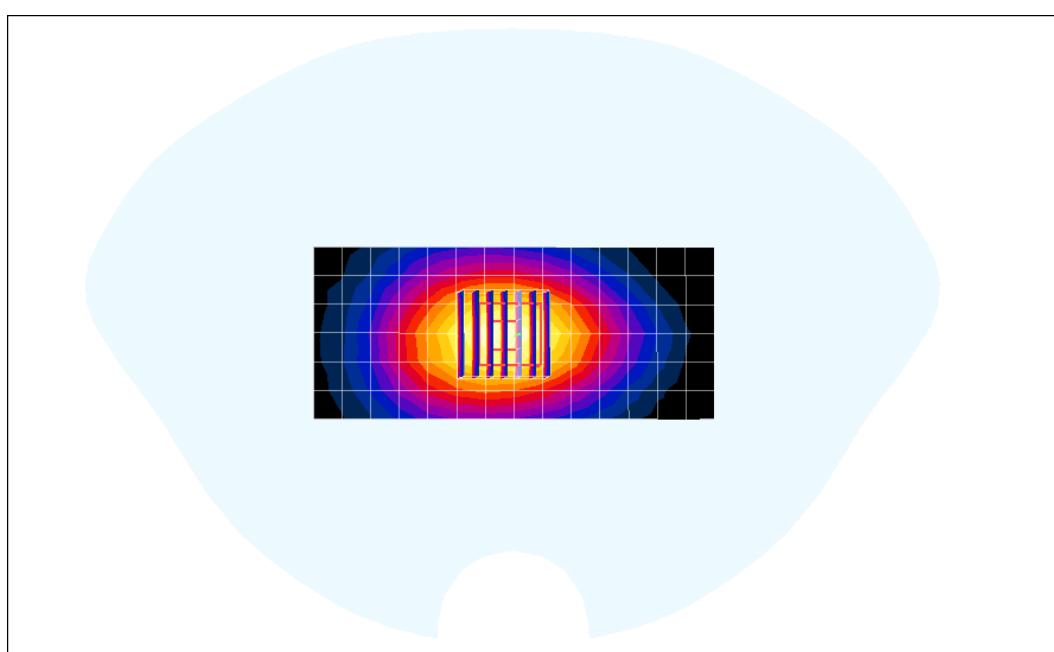
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 23.5 V/m; Power Drift = -0.1 dB

Peak SAR (extrapolated) = 0.644 W/kg

**SAR(1 g) = 0.507 mW/g; SAR(10 g) = 0.365 mW/g**

Maximum value of SAR (measured) = 0.543 mW/g



**Ambient Temperature:**  $23 \pm 1^{\circ}\text{C}$   
**Tissue Temperature:**  $23 \pm 1^{\circ}\text{C}$   
**Humidity:** 55% to 59%

**Test Laboratory: The name of your organization**

**Date: 02/02/05**

File Name: [850MHz\\_EUT Rear with belt clip\\_Ch 128\\_Data 35.da4](#)

Program Name: Job Nos.: 56S041107

Phantom section: Flat Section

DUT: Sendo\_Bono S321

Communication System: GSM 850

Frequency: 824.2 MHz

Duty Cycle: 1:8.3

Medium: 850MHz Body TissueMedium parameters used:  $\sigma = 0.9931$ ; mho/m,  $\epsilon_r = 55.31$ ;  $\rho = 1000$  kg/m<sup>3</sup>

**DASY4 Configuration:**

Electronics: DAE4 Sn627 Calibrated: 21/May/2004

Phantom: SAM 12 Measurement SW: DASY4, V4.4 Build 3

Probe: EX3DV4 - SN3541 ConvF(9.61, 9.61, 9.61) Calibrated: 26/Jul/2004

Postprocessing SW: SEMCAD, V1.8 Build 130

Sensor-Surface: 4mm (Mechanical Surface Detection)

### **850MHz\_EUT Rear with belt clip\_Ch 128\_Data 35/Area Scan (7x15x1):**

Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.193 mW/g

### **850MHz\_EUT Rear with belt clip\_Ch 128\_Data 35/Zoom Scan (7x7x7)/Cube 0:**

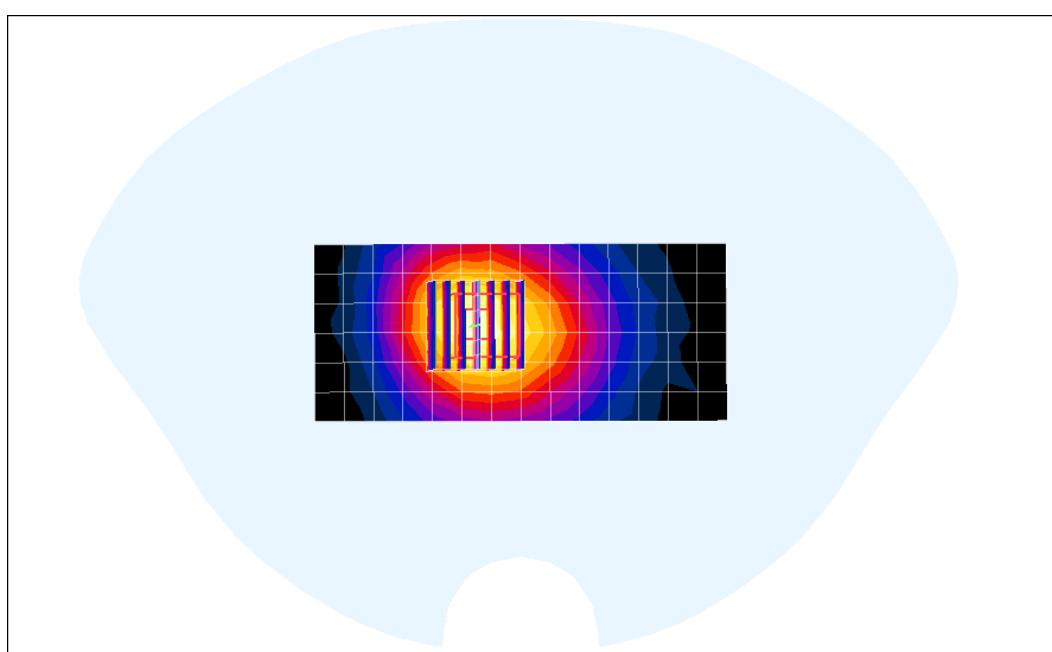
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.9 V/m; Power Drift = -0.0 dB

Peak SAR (extrapolated) = 0.250 W/kg

**SAR(1 g) = 0.184 mW/g; SAR(10 g) = 0.134 mW/g**

Maximum value of SAR (measured) = 0.196 mW/g



**Ambient Temperature:**  $23 \pm 1^\circ\text{C}$   
**Tissue Temperature:**  $23 \pm 1^\circ\text{C}$   
**Humidity:** 55% to 59%

**Test Laboratory: The name of your organization****Date: 02/02/05**File Name: [850MHz\\_EUT Rear with belt clip\\_Ch 189\\_Data 36.da4](#)

Program Name: Job Nos.: 56S041107

Phantom section: Flat Section

DUT: Sendo\_Bono S321

Communication System: GSM 850

Frequency: 836.4 MHz

Duty Cycle: 1:8.3

Medium: 850MHz Body TissueMedium parameters used:  $\sigma = 0.9931$ ; mho/m,  $\epsilon_r = 55.31$ ;  $\rho = 1000$  kg/m<sup>3</sup>**DASY4 Configuration:**

Electronics: DAE4 Sn627 Calibrated: 21/May/2004

Phantom: SAM 12 Measurement SW: DASY4, V4.4 Build 3

Probe: EX3DV4 - SN3541 ConvF(9.61, 9.61, 9.61) Calibrated: 26/Jul/2004

Postprocessing SW: SEMCAD, V1.8 Build 130

Sensor-Surface: 4mm (Mechanical Surface Detection)

**850MHz\_EUT Rear with belt clip\_Ch 189\_Data 36/Area Scan (7x15x1):**

Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.241 mW/g

**850MHz\_EUT Rear with belt clip\_Ch 189\_Data 36/Zoom Scan (7x7x7)/Cube 0:**

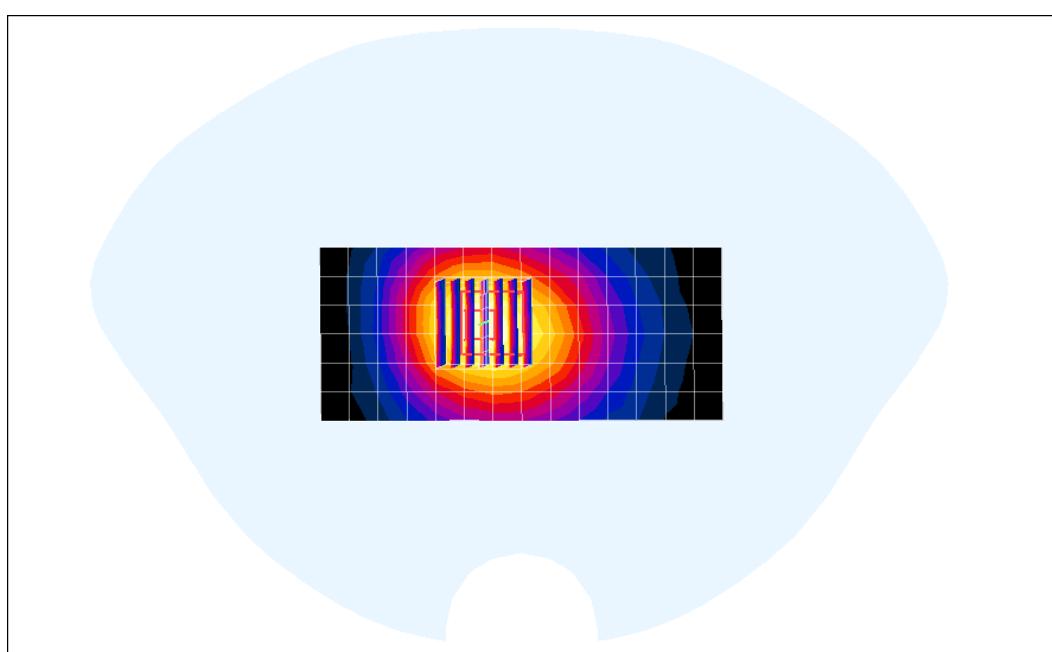
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 14.9 V/m; Power Drift = -0.1 dB

Peak SAR (extrapolated) = 0.323 W/kg

**SAR(1 g) = 0.233 mW/g; SAR(10 g) = 0.170 mW/g**

Maximum value of SAR (measured) = 0.249 mW/g



**Ambient Temperature:**  $23 \pm 1^\circ\text{C}$   
**Tissue Temperature:**  $23 \pm 1^\circ\text{C}$   
**Humidity:** 55% to 59%

**Test Laboratory: The name of your organization**

**Date: 02/02/05**

File Name: [850MHz\\_EUT Rear with belt clip\\_Ch 251\\_Data 37.da4](#)

Program Name: Job Nos.: 56S041107

Phantom section: Flat Section

DUT: Sendo\_Bono S321

Communication System: GSM 850

Frequency: 848.8 MHz

Duty Cycle: 1:8.3

Medium: 850MHz Body TissueMedium parameters used:  $\sigma = 0.9931$ ; mho/m,  $\epsilon_r = 55.31$ ;  $\rho = 1000$  kg/m<sup>3</sup>

**DASY4 Configuration:**

Electronics: DAE4 Sn627 Calibrated: 21/May/2004

Phantom: SAM 12 Measurement SW: DASY4, V4.4 Build 3

Probe: EX3DV4 - SN3541 ConvF(9.61, 9.61, 9.61) Calibrated: 26/Jul/2004

Postprocessing SW: SEMCAD, V1.8 Build 130

Sensor-Surface: 4mm (Mechanical Surface Detection)

### **850MHz\_EUT Rear with belt clip\_Ch 251\_Data 37/Area Scan (7x15x1):**

Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.286 mW/g

### **850MHz\_EUT Rear with belt clip\_Ch 251\_Data 37/Zoom Scan (7x7x7)/Cube 0:**

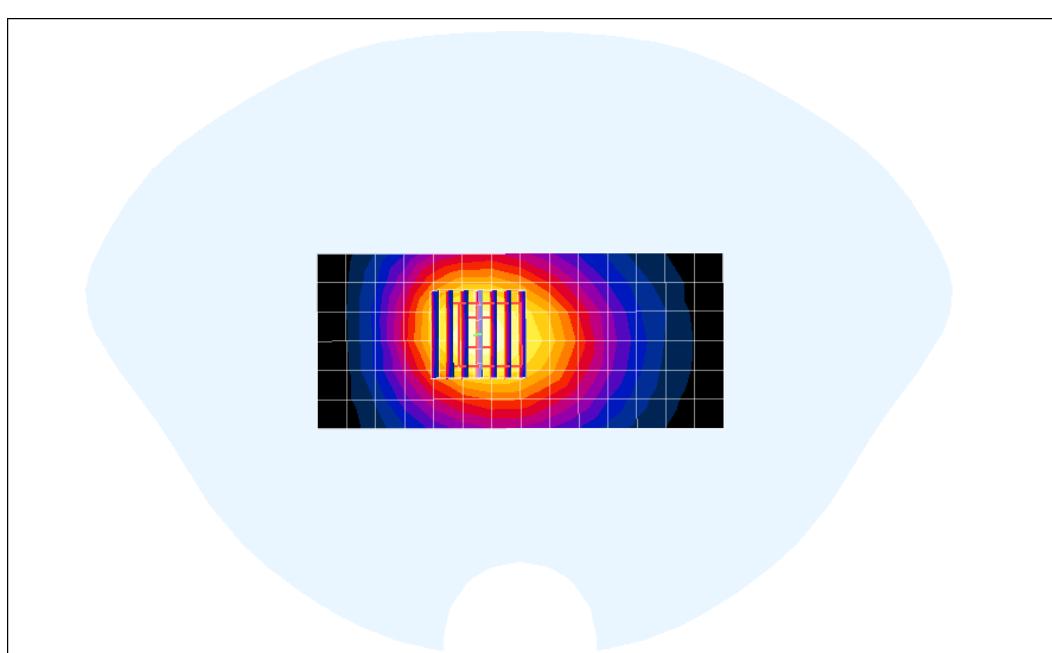
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 16.2 V/m; Power Drift = -0.1 dB

Peak SAR (extrapolated) = 0.376 W/kg

**SAR(1 g) = 0.275 mW/g; SAR(10 g) = 0.198 mW/g**

Maximum value of SAR (measured) = 0.294 mW/g



**TEST RESULTS**

**Ambient Temperature:**  $24 \pm 1^{\circ}\text{C}$   
**Tissue Temperature:**  $24 \pm 1^{\circ}\text{C}$   
**Humidity:** 54% to 61%

**Test Laboratory: The name of your organization****Date: 01/31/05**File Name: [1900MHz\\_EUT Front Touched Phantom\\_Ch 512\\_Data 13.da4](#)

Program Name: Job Nos.: 56S041107

Phantom section: Flat Section

DUT: Sendo\_Bono S321

Communication System: DCS 1900

Frequency: 1850.2 MHz

Duty Cycle: 1:8.3

Medium: 1900MHz Body TissueMedium parameters used:  $\sigma = 1.5155$ ; mho/m,  $\epsilon_r = 53.17$ ;  $\rho = 1000$  kg/m<sup>3</sup>**DASY4 Configuration:**

Electronics: DAE4 Sn627 Calibrated: 21/May/2004

Phantom: SAM 12 Measurement SW: DASY4, V4.4 Build 3

Probe: EX3DV4 - SN3541 ConvF(7.53, 7.53, 7.53) Calibrated: 26/Jul/2004

Postprocessing SW: SEMCAD, V1.8 Build 130

Sensor-Surface: 4mm (Mechanical Surface Detection)

**1900MHz\_EUT Front Touched Phantom\_Ch 512\_Data 13/Area Scan (7x15x1):**

Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.708 mW/g

**1900MHz\_EUT Front Touched Phantom\_Ch 512\_Data 13/Zoom Scan (7x7x7)/Cube 0:**

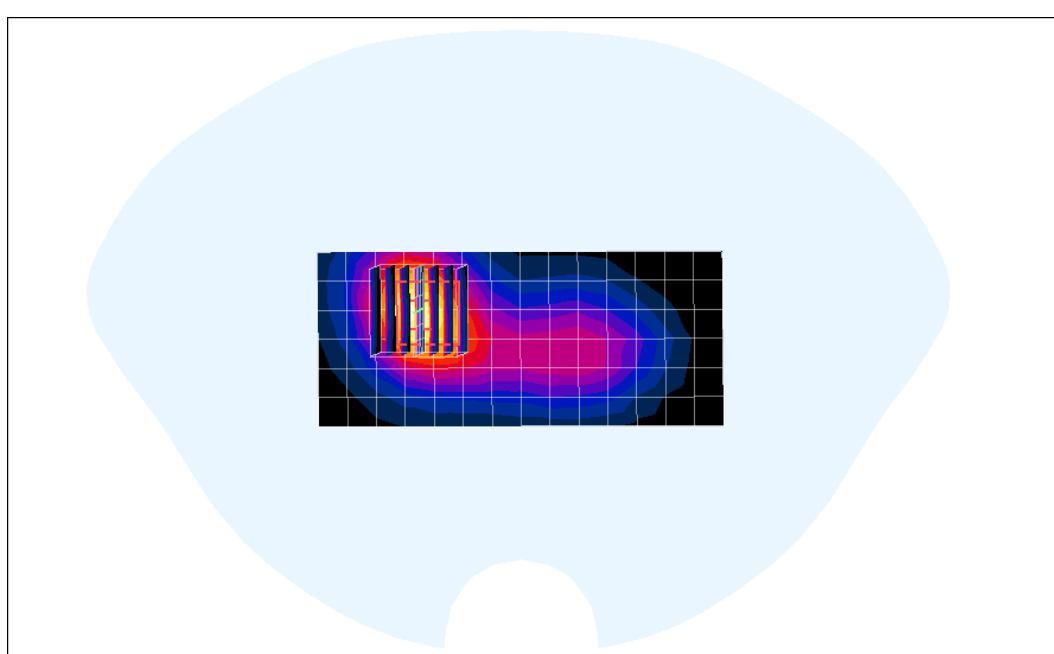
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 14.4 V/m; Power Drift = -0.1 dB

Peak SAR (extrapolated) = 0.940 W/kg

**SAR(1 g) = 0.659 mW/g; SAR(10 g) = 0.398 mW/g**

Maximum value of SAR (measured) = 0.732 mW/g



**Ambient Temperature:**  $24 \pm 1^{\circ}\text{C}$   
**Tissue Temperature:**  $24 \pm 1^{\circ}\text{C}$   
**Humidity:** 54% to 61%

**Test Laboratory: The name of your organization****Date: 01/31/05**File Name: [1900MHz\\_EUT Front Touched Phantom\\_Ch 661\\_Data 14.da4](#)

Program Name: Job Nos.: 56S041107

Phantom section: Flat Section

DUT: Sendo\_Bono S321

Communication System: DCS 1900

Frequency: 1880 MHz

Duty Cycle: 1:8.3

Medium: 1900MHz Body TissueMedium parameters used:  $\sigma = 1.5155$ ; mho/m,  $\epsilon_r = 53.17$ ;  $\rho = 1000 \text{ kg/m}^3$ **DASY4 Configuration:**

Electronics: DAE4 Sn627 Calibrated: 21/May/2004

Phantom: SAM 12 Measurement SW: DASY4, V4.4 Build 3

Probe: EX3DV4 - SN3541 ConvF(7.53, 7.53, 7.53) Calibrated: 26/Jul/2004

Postprocessing SW: SEMCAD, V1.8 Build 130

Sensor-Surface: 4mm (Mechanical Surface Detection)

**1900MHz\_EUT Front Touched Phantom\_Ch 661\_Data 14/Area Scan (7x15x1):**

Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.715 mW/g

**1900MHz\_EUT Front Touched Phantom\_Ch 661\_Data 14/Zoom Scan (7x7x7)/Cube 0:**

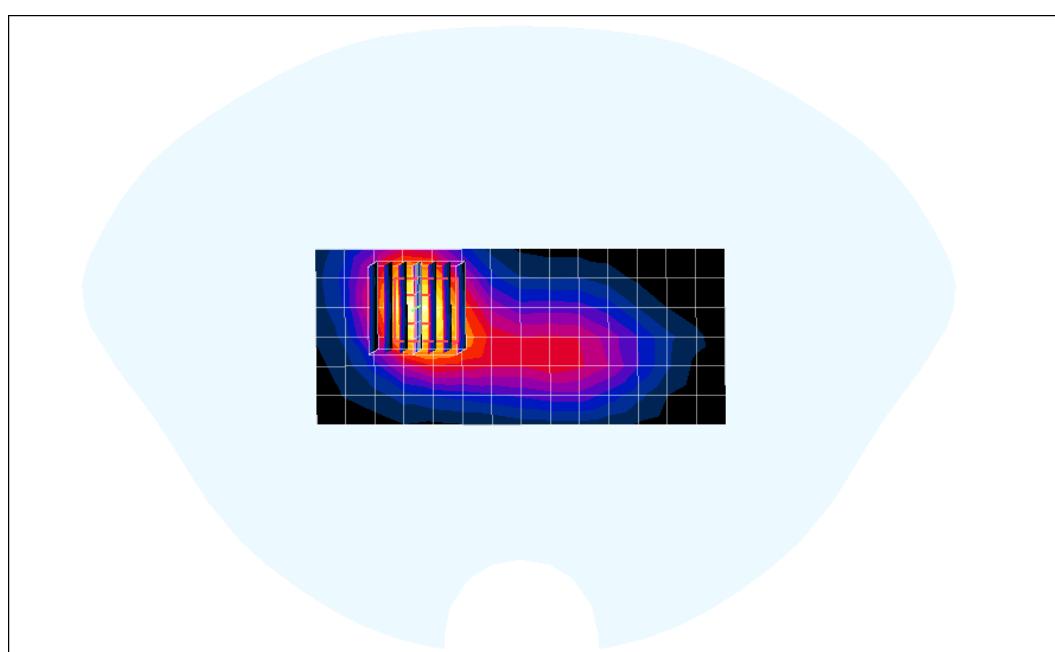
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 15.4 V/m; Power Drift = -0.2 dB

Peak SAR (extrapolated) = 0.981 W/kg

**SAR(1 g) = 0.673 mW/g; SAR(10 g) = 0.405 mW/g**

Maximum value of SAR (measured) = 0.746 mW/g



**TEST RESULTS**

**Ambient Temperature:**  $24 \pm 1^{\circ}\text{C}$   
**Tissue Temperature:**  $24 \pm 1^{\circ}\text{C}$   
**Humidity:** 54% to 61%

**Test Laboratory: The name of your organization****Date: 01/31/05**File Name: [1900MHz\\_EUT Front Touched Phantom\\_Ch 810\\_Data 15.da4](#)

Program Name: Job Nos.: 56S041107

Phantom section: Flat Section

DUT: Sendo\_Bono S321

Communication System: DCS 1900

Frequency: 1909.8 MHz

Duty Cycle: 1:8.3

Medium: 1900MHz Body TissueMedium parameters used:  $\sigma = 1.5155$ ; mho/m,  $\epsilon_r = 53.17$ ;  $\rho = 1000$  kg/m<sup>3</sup>**DASY4 Configuration:**

Electronics: DAE4 Sn627 Calibrated: 21/May/2004

Phantom: SAM 12 Measurement SW: DASY4, V4.4 Build 3

Probe: EX3DV4 - SN3541 ConvF(7.53, 7.53, 7.53) Calibrated: 26/Jul/2004

Postprocessing SW: SEMCAD, V1.8 Build 130

Sensor-Surface: 4mm (Mechanical Surface Detection)

**1900MHz\_EUT Front Touched Phantom\_Ch 810\_Data 15/Area Scan (7x15x1):**

Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.848 mW/g

**1900MHz\_EUT Front Touched Phantom\_Ch 810\_Data 15/Zoom Scan (7x7x7)/Cube 0:**

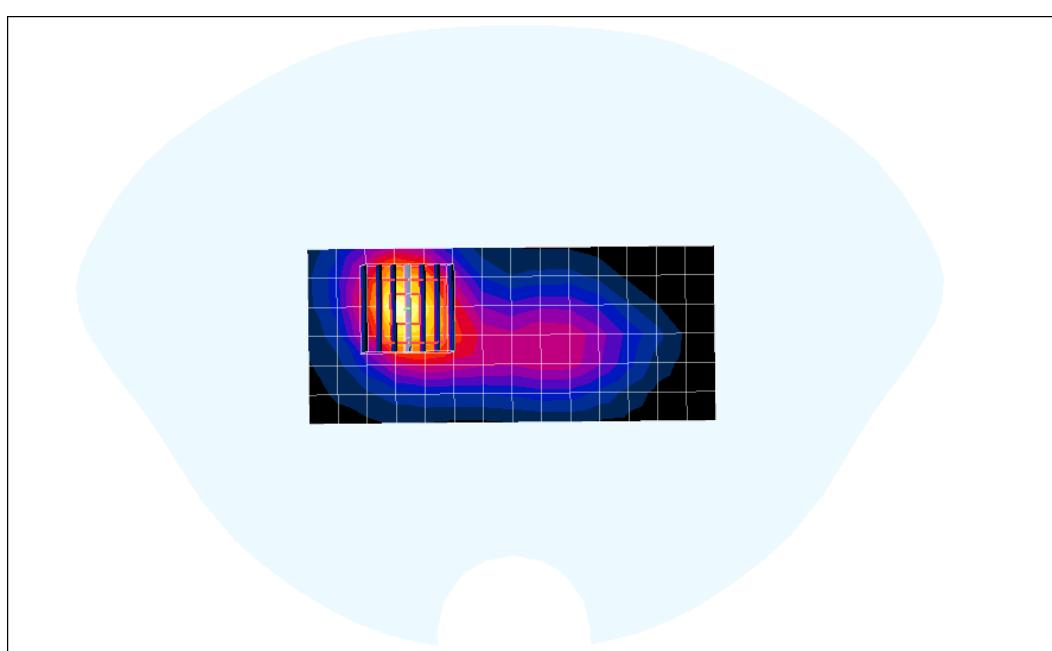
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 15.8 V/m; Power Drift = -0.1 dB

Peak SAR (extrapolated) = 1.13 W/kg

**SAR(1 g) = 0.767 mW/g; SAR(10 g) = 0.454 mW/g**

Maximum value of SAR (measured) = 0.855 mW/g



**Ambient Temperature:**  $24 \pm 1^{\circ}\text{C}$   
**Tissue Temperature:**  $24 \pm 1^{\circ}\text{C}$   
**Humidity:** 54% to 61%

**Test Laboratory: The name of your organization****Date: 01/31/05**File Name: [1900MHz\\_EUT Rear with belt clip\\_Ch 512\\_Data 16.da4](#)

Program Name: Job Nos.: 56S041107

Phantom section: Flat Section

DUT: Sendo\_Bono S321

Communication System: DCS 1900

Frequency: 1850.2 MHz

Duty Cycle: 1:8.3

Medium: 1900MHz Body TissueMedium parameters used:  $\sigma = 1.5155$ ; mho/m,  $\epsilon_r = 53.17$ ;  $\rho = 1000 \text{ kg/m}^3$ **DASY4 Configuration:**

Electronics: DAE4 Sn627 Calibrated: 21/May/2004

Phantom: SAM 12 Measurement SW: DASY4, V4.4 Build 3

Probe: EX3DV4 - SN3541 ConvF(7.53, 7.53, 7.53) Calibrated: 26/Jul/2004

Postprocessing SW: SEMCAD, V1.8 Build 130

Sensor-Surface: 4mm (Mechanical Surface Detection)

**1900MHz\_EUT Rear with belt clip\_Ch 512\_Data 16/Area Scan (7x15x1):**

Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.222 mW/g

**1900MHz\_EUT Rear with belt clip\_Ch 512\_Data 16/Zoom Scan (7x7x7)/Cube 0:**

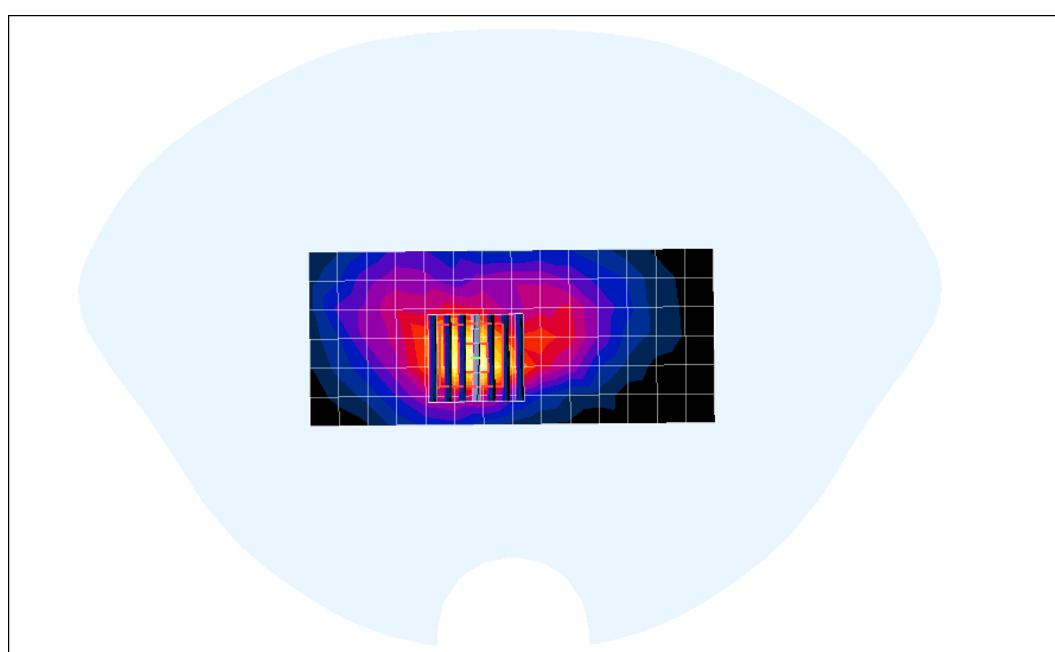
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.46 V/m; Power Drift = 0.0 dB

Peak SAR (extrapolated) = 0.368 W/kg

**SAR(1 g) = 0.209 mW/g; SAR(10 g) = 0.118 mW/g**

Maximum value of SAR (measured) = 0.235 mW/g



**Ambient Temperature:**  $24 \pm 1^{\circ}\text{C}$   
**Tissue Temperature:**  $24 \pm 1^{\circ}\text{C}$   
**Humidity:** 54% to 61%

**Test Laboratory: The name of your organization**

**Date: 01/31/05**

File Name: [1900MHz\\_EUT Rear with belt clip\\_Ch 661\\_Data 17.da4](#)

Program Name: Job Nos.: 56S041107

Phantom section: Flat Section

DUT: Sendo\_Bono S321

Communication System: DCS 1900

Frequency: 1880 MHz

Duty Cycle: 1:8.3

Medium: 1900MHz Body Tissue Medium parameters used:  $\sigma = 1.5155$ ; mho/m,  $\epsilon_r = 53.17$ ;  $\rho = 1000 \text{ kg/m}^3$

**DASY4 Configuration:**

Electronics: DAE4 Sn627 Calibrated: 21/May/2004

Phantom: SAM 12 Measurement SW: DASY4, V4.4 Build 3

Probe: EX3DV4 - SN3541 ConvF(7.53, 7.53, 7.53) Calibrated: 26/Jul/2004

Postprocessing SW: SEMCAD, V1.8 Build 130

Sensor-Surface: 4mm (Mechanical Surface Detection)

### **1900MHz\_EUT Rear with belt clip\_Ch 661\_Data 17/Area Scan (7x15x1):**

Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.230 mW/g

### **1900MHz\_EUT Rear with belt clip\_Ch 661\_Data 17/Zoom Scan (7x7x7)/Cube 0:**

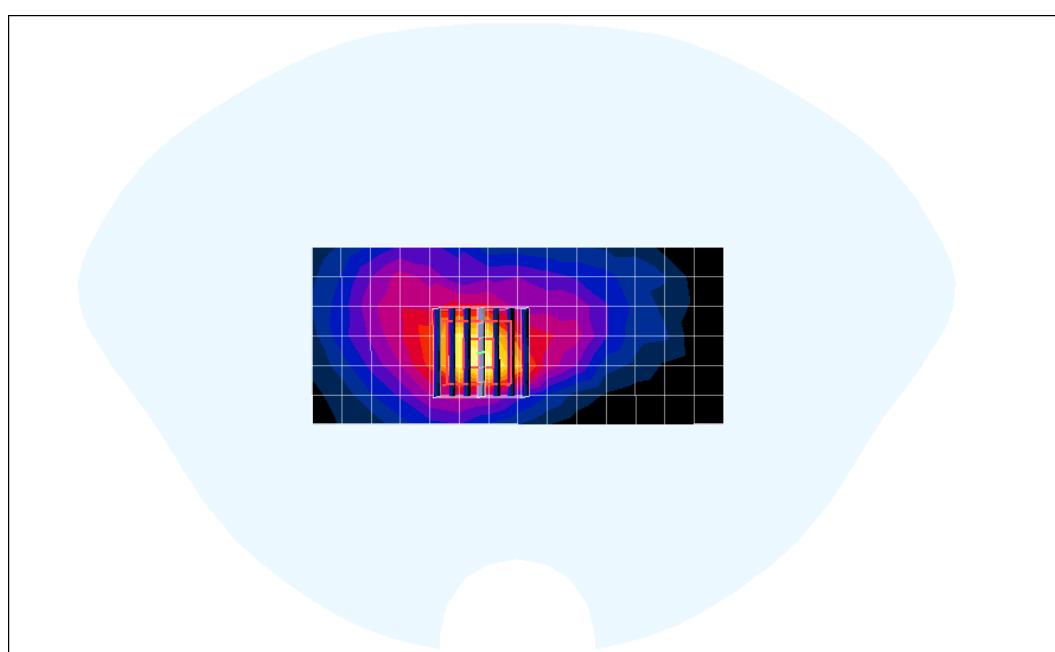
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.84 V/m; Power Drift = 0.0 dB

Peak SAR (extrapolated) = 0.384 W/kg

**SAR(1 g) = 0.224 mW/g; SAR(10 g) = 0.124 mW/g**

Maximum value of SAR (measured) = 0.250 mW/g



**Ambient Temperature:**  $24 \pm 1^{\circ}\text{C}$   
**Tissue Temperature:**  $24 \pm 1^{\circ}\text{C}$   
**Humidity:** 54% to 61%

**Test Laboratory: The name of your organization****Date: 01/31/05**File Name: [1900MHz\\_EUT Rear with belt clip\\_Ch 810\\_Data 18.da4](#)

Program Name: Job Nos.: 56S041107

Phantom section: Flat Section

DUT: Sendo\_Bono S321

Communication System: DCS 1900

Frequency: 1909.8 MHz

Duty Cycle: 1:8.3

Medium: 1900MHz Body TissueMedium parameters used:  $\sigma = 1.5155$ ; mho/m,  $\epsilon_r = 53.17$ ;  $\rho = 1000 \text{ kg/m}^3$ **DASY4 Configuration:**

Electronics: DAE4 Sn627 Calibrated: 21/May/2004

Phantom: SAM 12 Measurement SW: DASY4, V4.4 Build 3

Probe: EX3DV4 - SN3541 ConvF(7.53, 7.53, 7.53) Calibrated: 26/Jul/2004

Postprocessing SW: SEMCAD, V1.8 Build 130

Sensor-Surface: 4mm (Mechanical Surface Detection)

**1900MHz\_EUT Rear with belt clip\_Ch 810\_Data 18/Area Scan (7x15x1):**

Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.273 mW/g

**1900MHz\_EUT Rear with belt clip\_Ch 810\_Data 18/Zoom Scan (7x7x7)/Cube 0:**

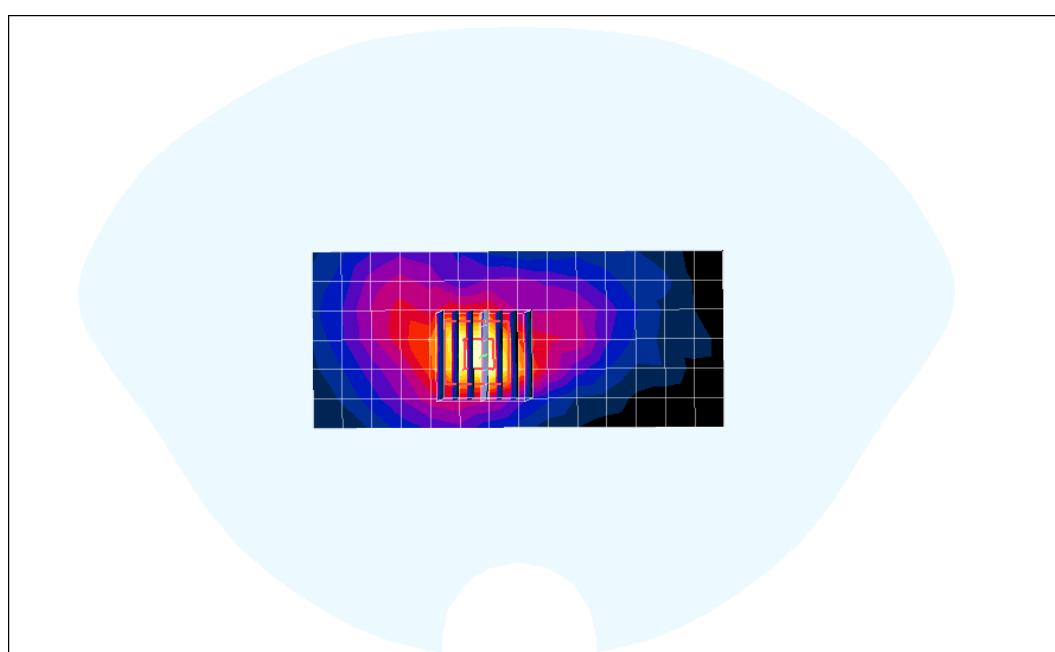
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.7 V/m; Power Drift = -0.1 dB

Peak SAR (extrapolated) = 0.538 W/kg

**SAR(1 g) = 0.274 mW/g; SAR(10 g) = 0.146 mW/g**

Maximum value of SAR (measured) = 0.302 mW/g



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June 2004