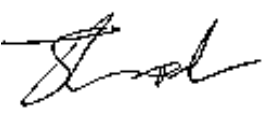
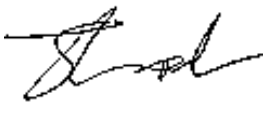



# SUPPLEMENTARY TEST REPORT FROM RADIO FREQUENCY INVESTIGATION LTD.

Test Of: Sendo Ltd.  
SND251 Mobile Telephone Handset

To: OET Bulletin 65 Supplement C: (2001-01)

**Supplementary Test Report Serial No.:**  
RFI/SARB1/SUP43652JD05A

<p><b>This Supplementary Test Report Is Issued Under The Authority Of Richard Jacklin, Operations Director:</b></p> 	<p><b>Checked By:</b></p> 
<p><b>Tested By:</b></p>  <b>PP</b>	<p><b>Release Version No:     PDF01</b></p>
<p><b>Issue Date: 19 November 2002</b></p>	<p><b>Test Date: 04 September 2002</b></p>

**This supplementary report, supplements RFI Test Report Serial No: RFI/SARB1/RP43652JD05A.**

**This supplementary report has been issued to include SAR scans associated with validation measurements.**

This supplementary report is issued in Adobe Acrobat portable document format (PDF). It is only a valid copy of the supplementary report if it is being viewed in PDF format with the following security options not allowed: Changing the document, Selecting text and graphics, Adding or changing notes and form fields. Furthermore, the date of creation must match the issue date stated above.

This supplementary report may be copied in full. The results in this supplementary report apply only to the sample(s) tested.

**RADIO FREQUENCY INVESTIGATION LTD.**

**Operations Department**

**Test Of: Sendo Ltd.**

**To: SND251 Mobile Telephone Handset**

**OET Bulletin 65 Supplement C: (2001-01)**

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**SUPPLEMENTARY TEST REPORT**

**S.No: RFI/SARB1/SUP43652JD05A**

**Page 2 of 8**

**Issue Date: 19 November 2002**

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**Test Of:       Sendo Ltd.  
                  SND251Mobile Telephone Handset  
To:             OET Bulletin 65 Supplement C: (2001-01)**

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## **1. Client Information**

<b>Company Name:</b>	Sendo Ltd.
<b>Address:</b>	Sendo Base Station, Hatchford Brook, Hatchford Way, Sheldon, Birmingham, B26 3QA.
<b>Contact Name:</b>	Mr. M. Roper.

Test Of: Sendo Ltd.

SND251 Mobile Telephone Handset

To: OET Bulletin 65 Supplement C: (2001-01)

## **2. Equipment Under Test (EUT)**

The following information (with the exception of the Date of Receipt) has been supplied by the client:

### **2.1. Identification Of Equipment Under Test (EUT)**

Brand Name	Sendo
Model Name or Number	SND 251
Unique Type Identification	SND 251
IMEI Number	0010310167526
Battery Serial Number	8D47-02140-200000091T
Country Of Manufacture	Czech Republic
Date Of Receipt	03 September 2002

Brand Name	Sendo
Model Name or Number	Personal Hands Free Headset 8P02-02000-21000
Unique Type Identification	8P02-02000-21000 (Sales Pack Part Number: 8M14-02000-20000)
Serial Number	As above, including 6 digit date code DD/WW/YY on plastic bag
Country Of Manufacture	China
Date Of Receipt	03 September 2002

Brand Name	Sendo
Model Name or Number	Case (2 types)
Unique Type Identification	None Stated by client
Serial Number	None Stated by client
Country Of Manufacture	None Stated by client
Date Of Receipt	03 September 2002

### **2.2. Modifications Incorporated In EUT**

The EUT has not been modified from what is described by the Model Name and Unique Type Identification stated above.

Test Of: Sendo Ltd.

SND251 Mobile Telephone Handset

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**2.3. Additional Information Related to the EUT**

<b>Equipment Class:</b>	Handheld Mobile Telephone
<b>FCC Rule Part(s):</b>	OET Bulletin 65 Supplement C
<b>Application Type:</b>	Certification
<b>Transmitter Frequency Range 850 MHz Band (MHz):</b>	824.2 – 849.0
<b>Receiver Frequency Range 850 MHz Band (MHz):</b>	869.0 – 894.0
<b>Transmitter Frequency Range 1900 MHz Band (MHz):</b>	1850 – 1910
<b>Receiver Frequency Range 1900 MHz Band (MHz):</b>	1930 – 1990
<b>Transmit Frequency Allocation Of EUT When Under Test (Channels):</b>	850 MHz – 128, 189, 251 1900 MHz – 512, 660, 810
<b>Modulation(s):</b>	GSM 850 and GSM 1900
<b>Modulation Scheme (Crest Factor)</b>	GSM (Crest Factor 8)
<b>Measured Output Power (Max Conducted): 850 MHz</b>	Bottom Channel (128): 32.7 dBm Middle Channel (189): 32.9 dBm Top Channel (251): 33.1 dBm
<b>Measured Output Power (Max Conducted): 1900 MHz</b>	Bottom Channel (512): 30.0dBm Middle Channel (660): 29.9 dBm Top Channel (810): 29.6 dBm
<b>Battery Type(s):</b>	Rechargeable NiMH
<b>Antenna Length and Type:</b>	Fixed Integral
<b>Number Of Antenna Positions</b>	1 (Fixed Antenna)
<b>Intended Operating Environment:</b>	Residential, Commercial, Light Industry
<b>Weight:</b>	Approx. 100 g
<b>Dimensions (without Antenna) mm:</b>	Approx. 50 x 25 x 100 mm
<b>Power Supply Requirement:</b>	
<b>DC Supply (Volts/Amps)</b>	Not applicable
<b>AC Supply (Volts/Amps)</b>	Not applicable
<b>Internal Battery (Volts/Amps)</b>	+ 3.6 V
<b>Port(s):</b>	Enclosure Personal Hands Free Connector

**2.4. Support Equipment**

<b>Description:</b>	GSM Test set
<b>Brand Name:</b>	Will'tek
<b>Model Name or Number:</b>	4202S
<b>Serial Number:</b>	0513018
<b>Cable Length And Type:</b>	Not applicable (Air Link)
<b>Connected to Port:</b>	Antenna

## **Appendix 1. SAR Scans**

This appendix contains SAR scans associated with the validation measurements recorded in RFI Test Report Serial No: RFI/SARB1/RP43652JD05A.

These pages are not included in the total number of pages for this supplementary report.

# Dipole 900 MHz

Validation

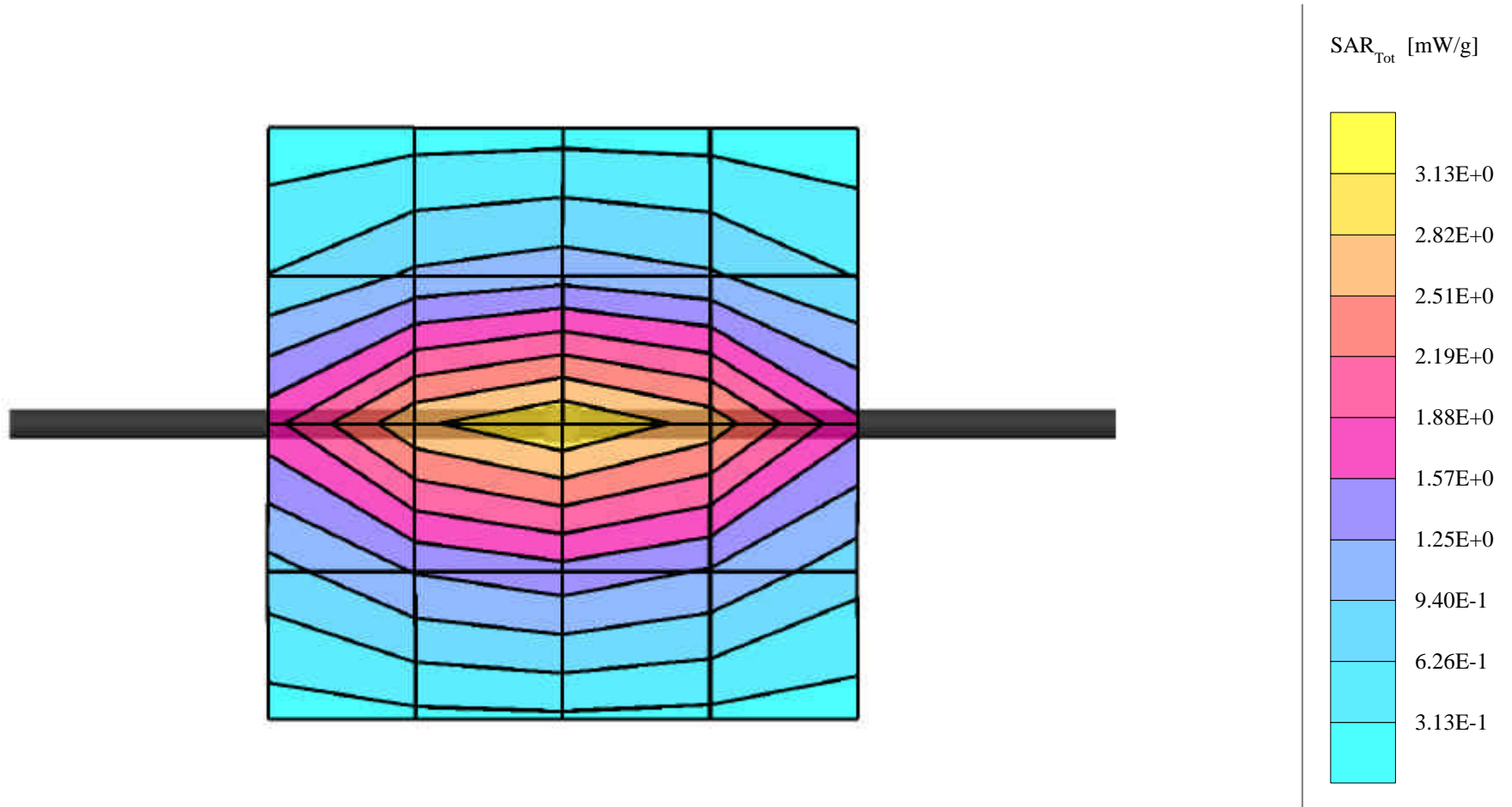
SAM Phantom; Flat

Probe: ET3DV6 - SN1529; ConvF(6.30,6.30,6.30);

Crest factor: 1.0; Brain 900 MHz EN50361:  $\sigma = 1.04$  mho/m  $\epsilon_r = 41.1$   $\rho = 1.00$  g/cm<sup>3</sup>

Lab Temperature 21.5 deg C, Fluid Temperature 20.2 deg C

09/04/02



# Dipole 900 MHz

Validation

SAM Phantom; Flat

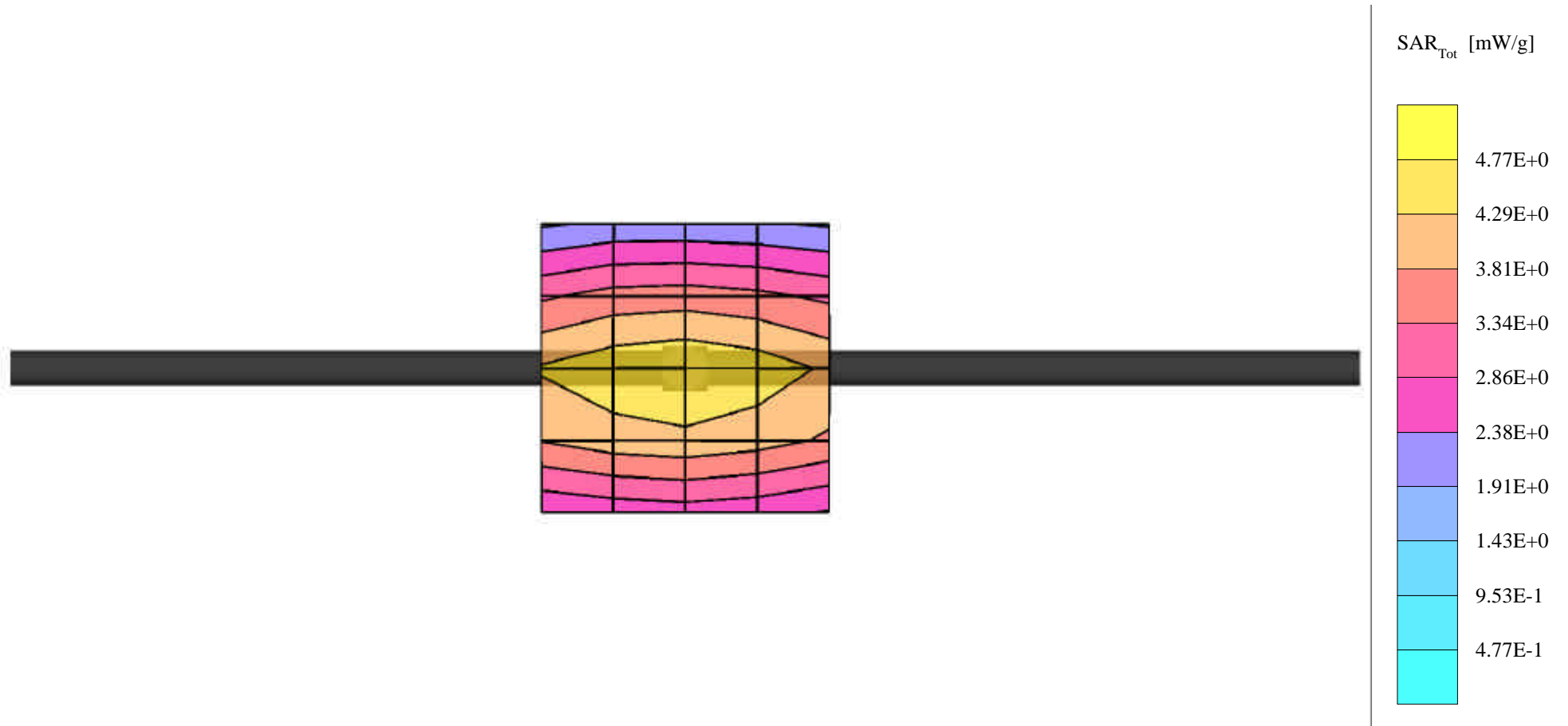
Probe: ET3DV6 - SN1529; ConvF(6.30,6.30,6.30);

Crest factor: 1.0; Brain 900 MHz EN50361:  $\sigma = 1.04$  mho/m  $\epsilon_r = 41.1$   $\rho = 1.00$  g/cm<sup>3</sup>

Peak: 4.80 mW/g  $\pm 0.01$  dB, SAR (1g): 2.85 mW/g  $\pm 0.00$  dB

Lab Temperature 21.5 deg C, Fluid Temperature 20.2 deg C

09/04/02



# Dipole 1900 MHz

Validation

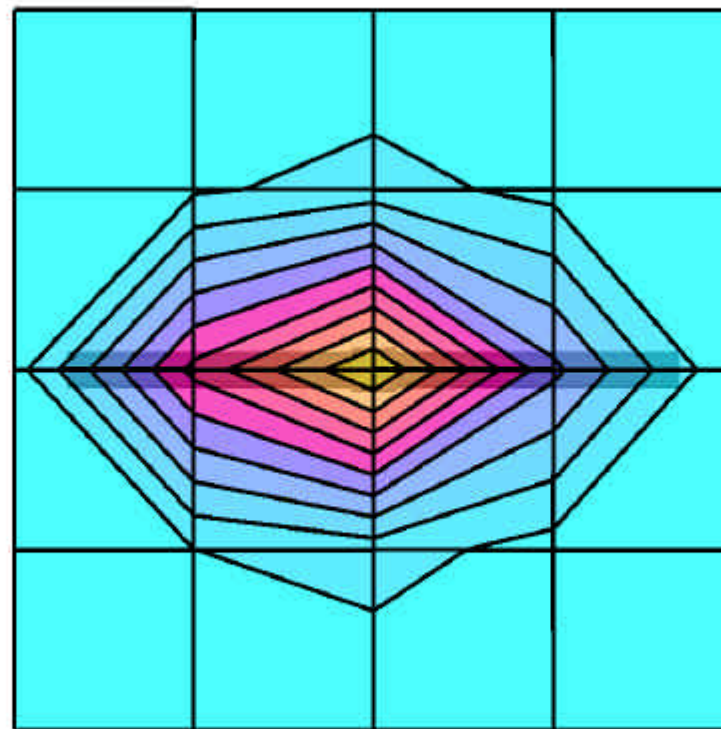
SAM Phantom; Flat

Probe: ET3DV6 - SN1529; ConvF(5.20,5.20,5.20);

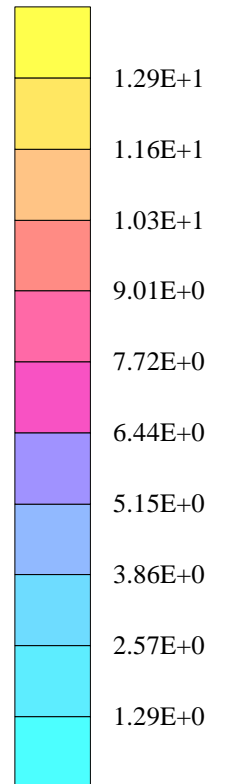
Crest factor: 1.0; Brain 1900MHz:  $\sigma = 1.52$  mho/m  $\epsilon_r = 39.7$   $\rho = 1.00$  g/cm<sup>3</sup>

Lab Temperature 21.5 deg C, Fluid Temperature 19.0 deg C

09/04/02



SAR<sub>Tot</sub> [mW/g]



# Dipole 1900 MHz

Validation

SAM Phantom; Flat

Probe: ET3DV6 - SN1529; ConvF(5.20,5.20,5.20);

Crest factor: 1.0; Brain 1900MHz:  $\sigma = 1.52$  mho/m  $\epsilon_r = 39.7$   $\rho = 1.00$  g/cm<sup>3</sup>

Peak: 22.1 mW/g  $\pm 0.01$  dB, SAR (1g): 10.9 mW/g  $\pm 0.02$  dB

Lab Temperature 21.5 deg C, Fluid Temperature 19.0 deg C

09/04/02

