Test Date: 07 December 2004
File Name: <u>Body Worn Front 1900 MHz GSM (DAE900 Probe1377) 07-12-04.da4</u>
**DUT: Voxson GSM Phone; Antenna: Fixed Length (Non-Extendable); Type: VX750; Serial: 20041105**

 \* Communication System: PCS; Frequency: 1880 MHz; Duty Cycle: 1:8.3
 \* Medium parameters used: σ = 1.57608; mho/m, $ε_r$ = 52.5967; ρ = 1000 kg/m$^3$
- Electronics: DAE4 Sn900; Probe: ET3DV6 - SN1377; ConvF(4.7, 4.7, 4.7)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

## Channel 661 Test/Area Scan (111x71x1): Measurement grid: dx=15mm, dy=15mm
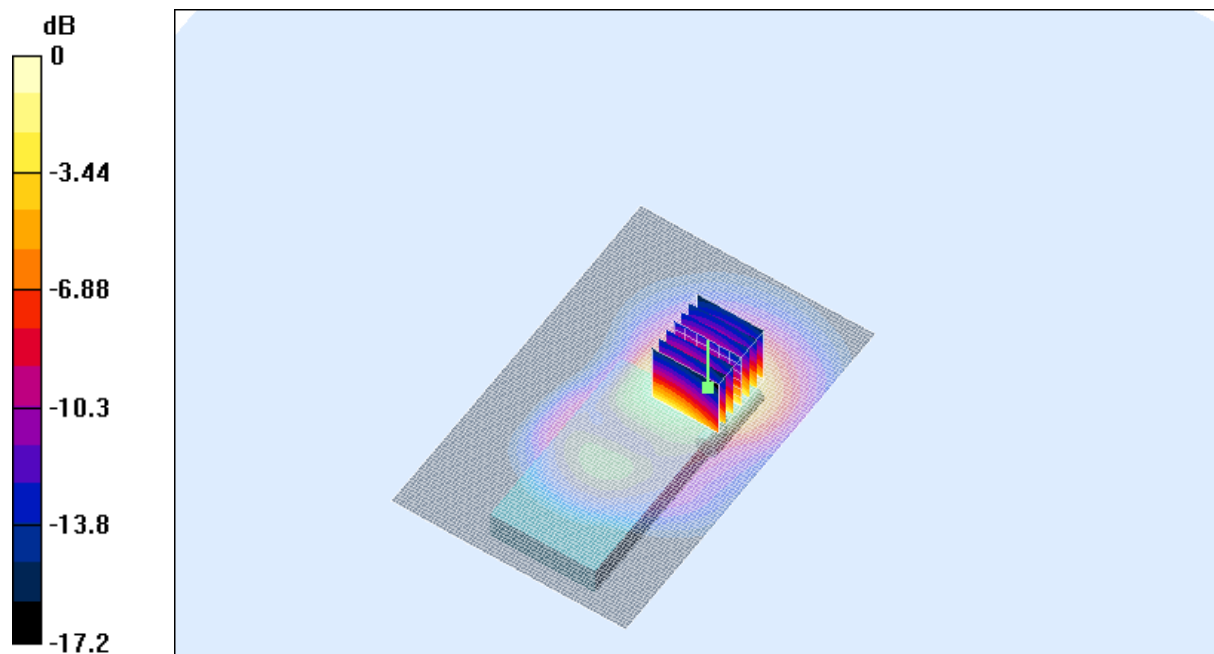Maximum value of SAR (interpolated) = 0.631 mW/g

## Channel 661 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 14.4 V/m; Power Drift = -0.3 dB
Peak SAR (extrapolated) = 1.16 W/kg
**SAR(1 g) = 0.545 mW/g; SAR(10 g) = 0.304 mW/g**
Maximum value of SAR (measured) = 0.577 mW/g



0 dB = 0.577mW/g

SAR MEASUREMENT PLOT 7

**Ambient Temperature**              **21.8 Degrees Celsius**
**Liquid Temperature**               **21.0 Degrees Celsius**
**Humidity**                         **64.0 %**

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Test Date: 08 December 2004
File Name: Body Worn Back 15mm Spacing 1900 MHz GSM (DAE900 Probe1377) 08-12-04.da4
**DUT: Voxson GSM Phone; Antenna: Fixed Length (Non-Extendable); Type: VX750; Serial: 20041105**

 * Communication System: PCS; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3
 * Medium parameters used: σ = 1.56156; mho/m, $\varepsilon_r$ = 52.3549; ρ = 1000 kg/m$^3$
- Electronics: DAE4 Sn900; Probe: ET3DV6 - SN1377; ConvF(4.7, 4.7, 4.7)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

## Channel 512 Test/Area Scan (111x71x1): Measurement grid: dx=15mm, dy=15mm
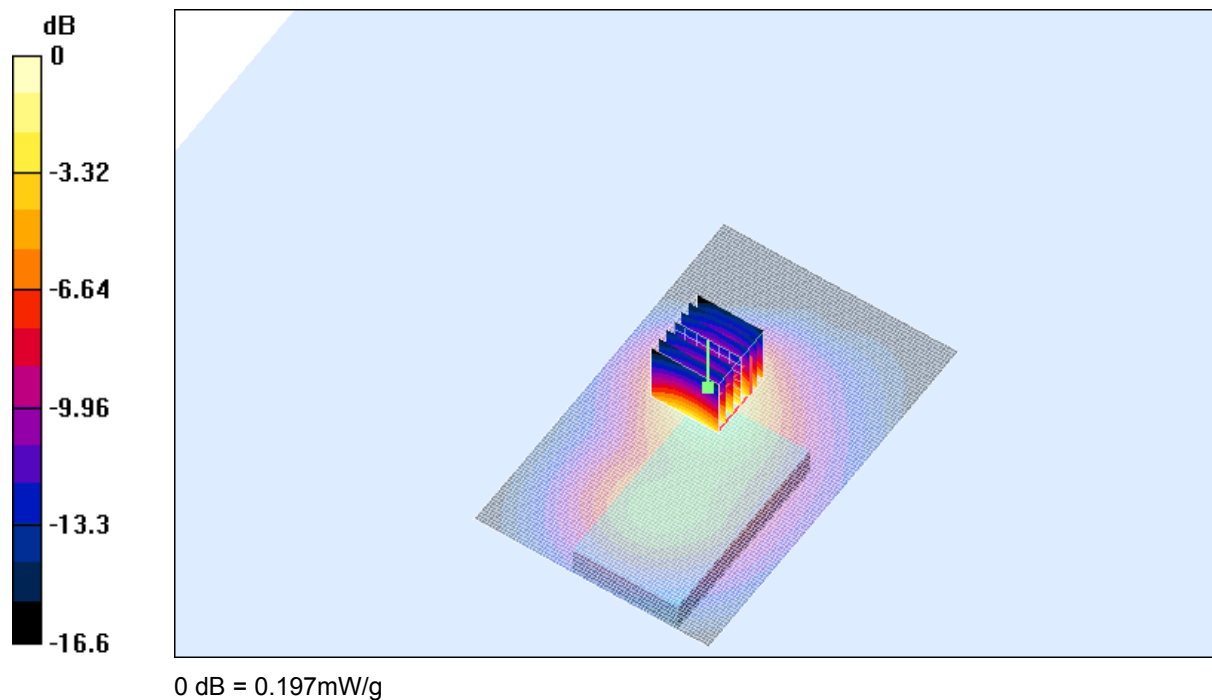Maximum value of SAR (interpolated) = 0.205 mW/g

## Channel 512 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm,
dz=5mm
Reference Value = 14.9 V/m; Power Drift = -0.2 dB
Peak SAR (extrapolated) = 0.389 W/kg
**SAR(1 g) = 0.184 mW/g; SAR(10 g) = 0.100 mW/g**
Maximum value of SAR (measured) = 0.197 mW/g



0 dB = 0.197mW/g

SAR MEASUREMENT PLOT 8

**Ambient Temperature**                    **21.8 Degrees Celsius**
**Liquid Temperature**                     **21.1 Degrees Celsius**
**Humidity**                               **63.0 %**

Test Date: 07 December 2004
File Name: <u>Body Worn Back 15mm Spacing 1900 MHz GSM (DAE900 Probe1377) 07-12-04.da4</u>
**DUT: Voxson GSM Phone; Antenna: Fixed Length (Non-Extendable); Type: VX750; Serial: 20041105**

 * Communication System: PCS; Frequency: 1880 MHz; Duty Cycle: 1:8.3
 * Medium parameters used: σ = 1.57608; mho/m, $\varepsilon_r$ = 52.5967; ρ = 1000 kg/m$^3$
- Electronics: DAE4 Sn900; Probe: ET3DV6 - SN1377; ConvF(4.7, 4.7, 4.7)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

## Channel 661 Test/Area Scan (111x71x1): Measurement grid: dx=15mm, dy=15mm
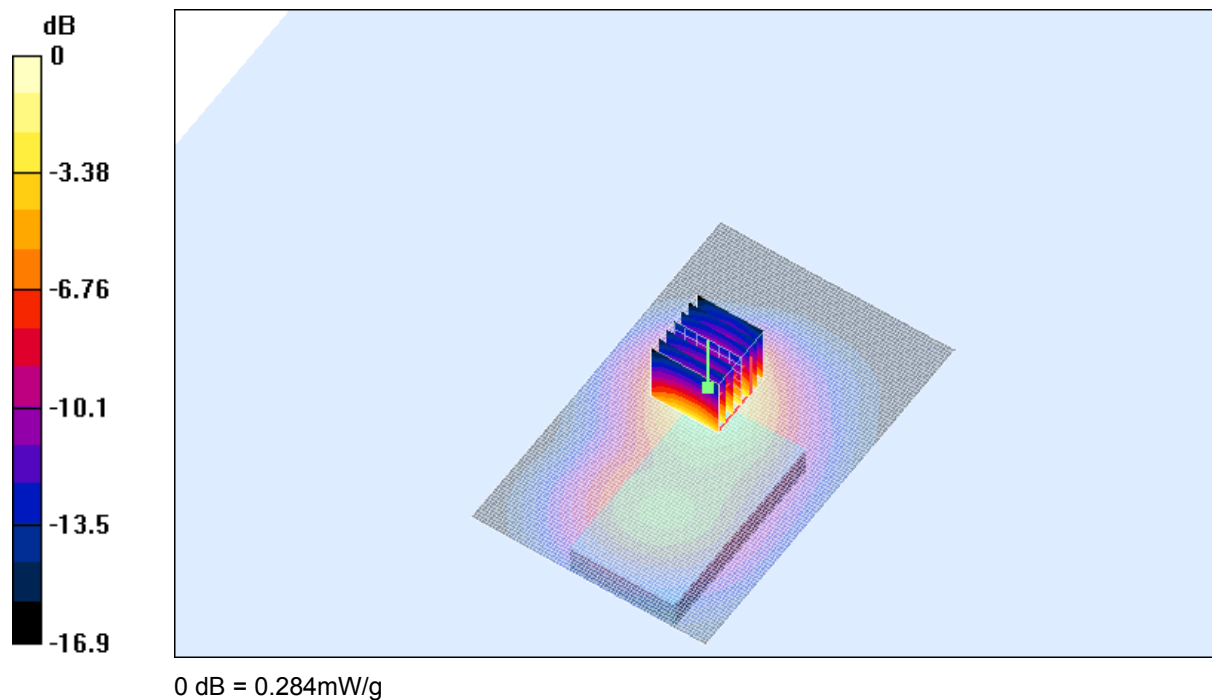Maximum value of SAR (interpolated) = 0.292 mW/g

## Channel 661 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm,
dz=5mm
Reference Value = 17.1 V/m; Power Drift = 0.0 dB
Peak SAR (extrapolated) = 0.560 W/kg
**SAR(1 g) = 0.265 mW/g; SAR(10 g) = 0.143 mW/g**
Maximum value of SAR (measured) = 0.284 mW/g



0 dB = 0.284mW/g

SAR MEASUREMENT PLOT 9

| | |
|---|---|
| **Ambient Temperature** | **21.8 Degrees Celsius** |
| **Liquid Temperature** | **21.0 Degrees Celsius** |
| **Humidity** | **64.0 %** |

Test Date: 08 December 2004
File Name: <u>Body Worn Back 15mm Spacing 1900 MHz GSM (DAE900 Probe1377) 08-12-04.da4</u>
**DUT: Voxson GSM Phone; Antenna: Fixed Length (Non-Extendable); Type: VX750; Serial: 20041105**

 * Communication System: PCS; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3
 * Medium parameters used: σ = 1.59139; mho/m, $ε_r$ = 52.1655; ρ = 1000 kg/m$^3$
- Electronics: DAE4 Sn900; Probe: ET3DV6 - SN1377; ConvF(4.7, 4.7, 4.7)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

## Channel 810 Test 2/Area Scan (111x71x1): Measurement grid: dx=15mm, dy=15mm
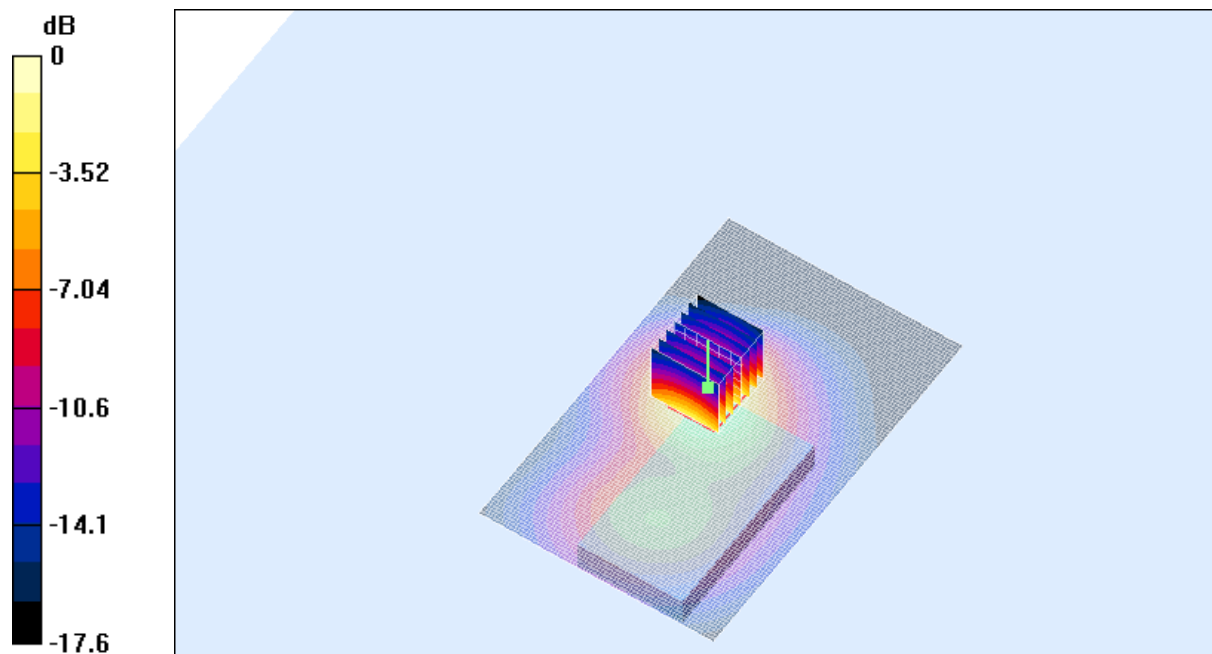Maximum value of SAR (interpolated) = 0.448 mW/g

## Channel 810 Test 2/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm,
dz=5mm
Reference Value = 22.2 V/m; Power Drift = -0.1 dB
Peak SAR (extrapolated) = 0.895 W/kg
**SAR(1 g) = 0.411 mW/g; SAR(10 g) = 0.220 mW/g**
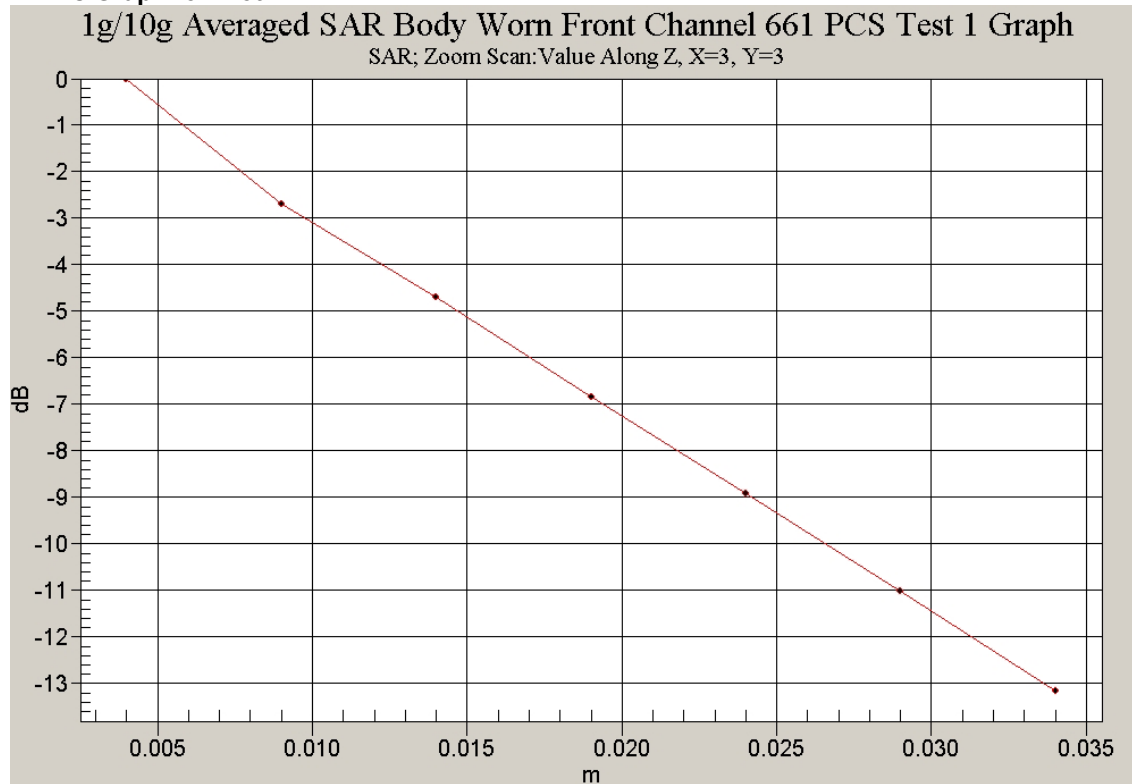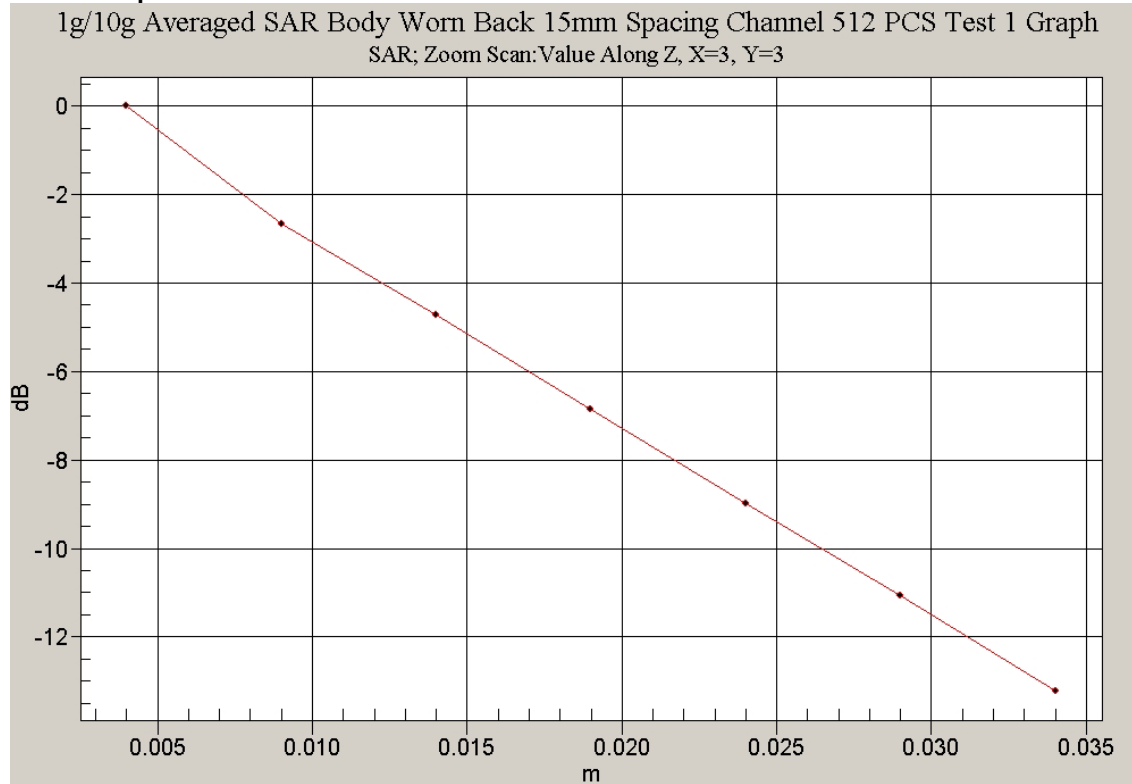Maximum value of SAR (measured) = 0.439 mW/g



0 dB = 0.439mW/g

SAR MEASUREMENT PLOT 10

**Ambient Temperature**                    **21.8 Degrees Celsius**
**Liquid Temperature**                     **21.1 Degrees Celsius**
**Humidity**                               **63.0 %**

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**Z-Axis Graph for Plot 7**



1g/10g Averaged SAR Body Worn Front Channel 661 PCS Test 1 Graph

SAR; Zoom Scan:Value Along Z, X=3, Y=3

**Z-Axis Graph for Plot 8**



1g/10g Averaged SAR Body Worn Back 15mm Spacing Channel 512 PCS Test 1 Graph

SAR; Zoom Scan:Value Along Z, X=3, Y=3

**Z-Axis Graph for Plot 9**



1g/10g Averaged SAR Body Worn Back 15mm Spacing Channel 661 PCS Test 1 Graph
SAR; Zoom Scan:Value Along Z, X=3, Y=3

**Z-Axis Graph for Plot 10**



1g/10g Averaged SAR Body Worn Back 15mm Spacing Channel 810 PCS Test 2 Graph
SAR; Zoom Scan:Value Along Z, X=3, Y=3
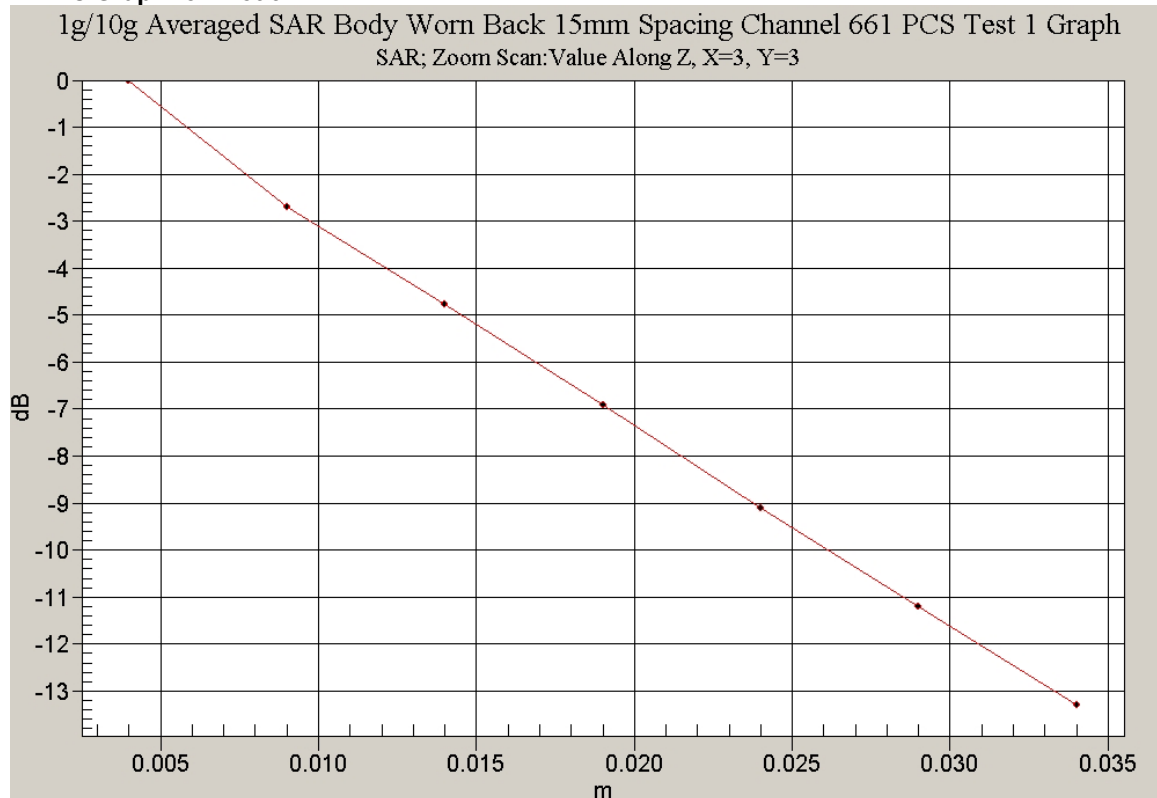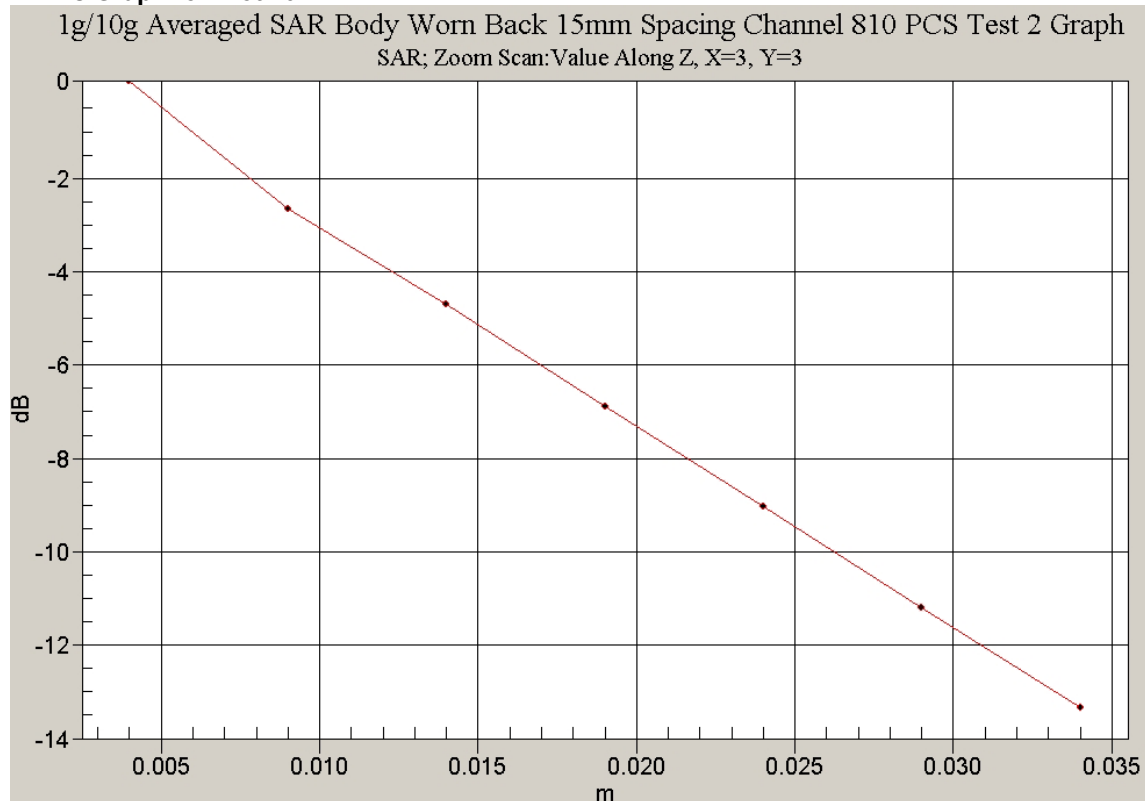
Test Date: 11 December 2004
File Name: Tilted Left 1900 MHz GSM (DAE900 Probe1377) 11-12-04.da4
**DUT: Voxson GSM Phone; Antenna: Fixed Length (Non-Extendable); Type: VX750; Serial: 20041105**

 * Communication System: 1900 MHz GPRS; Frequency: 1880 MHz; Duty Cycle: 1:4
 * Medium parameters used: σ = 1.44961; mho/m, $ε_r$ = 38.7324; ρ = 1000 kg/m$^3$
- Electronics: DAE4 Sn900; Probe: ET3DV6 - SN1377; ConvF(5.12, 5.12, 5.12)
- Phantom: SAM 22; Serial: 1260; Phantom section: Left Section

## Channel 661 Test/Area Scan (141x61x1): Measurement grid: dx=15mm, dy=15mm
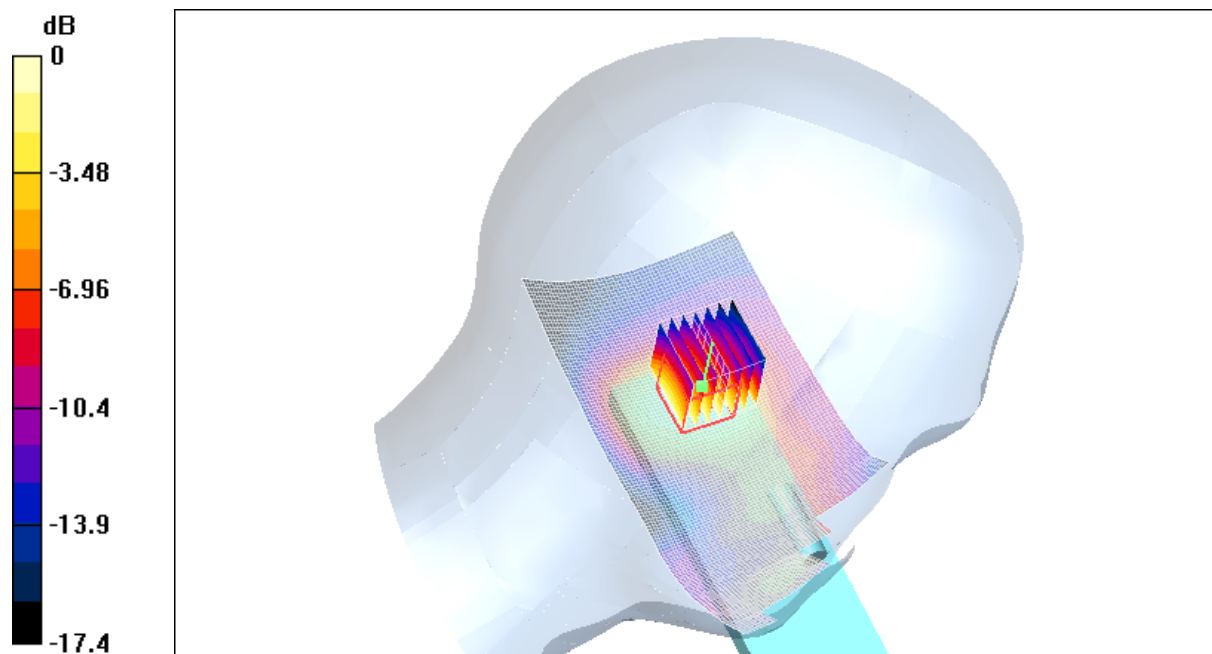Maximum value of SAR (interpolated) = 0.157 mW/g

## Channel 661 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm,
dz=5mm
Reference Value = 10.3 V/m; Power Drift = -0.1 dB
Peak SAR (extrapolated) = 0.205 W/kg
**SAR(1 g) = 0.141 mW/g; SAR(10 g) = 0.087 mW/g**
Maximum value of SAR (measured) = 0.152 mW/g



0 dB = 0.152mW/g

SAR MEASUREMENT PLOT 11

**Ambient Temperature**                          **21.8 Degrees Celsius**
**Liquid Temperature**                           **21.1 Degrees Celsius**
**Humidity**                                     **62.0 %**

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Test Date: 11 December 2004
File Name: Touch Left 1900 MHz GSM (DAE900 Probe1377) 11-12-04.da4
**DUT: Voxson GSM Phone; Antenna: Fixed Length (Non-Extendable); Type: VX750; Serial: 20041105**

 * Communication System: 1900 MHz GPRS; Frequency: 1880 MHz; Duty Cycle: 1:4
 * Medium parameters used: $\sigma$ = 1.44961; mho/m, $\varepsilon_r$ = 38.7324; $\rho$ = 1000 kg/m$^3$
- Electronics: DAE4 Sn900; Probe: ET3DV6 - SN1377; ConvF(5.12, 5.12, 5.12)
- Phantom: SAM 22; Serial: 1260; Phantom section: Left Section

## Channel 661 Test/Area Scan (141x61x1): Measurement grid: dx=15mm, dy=15mm
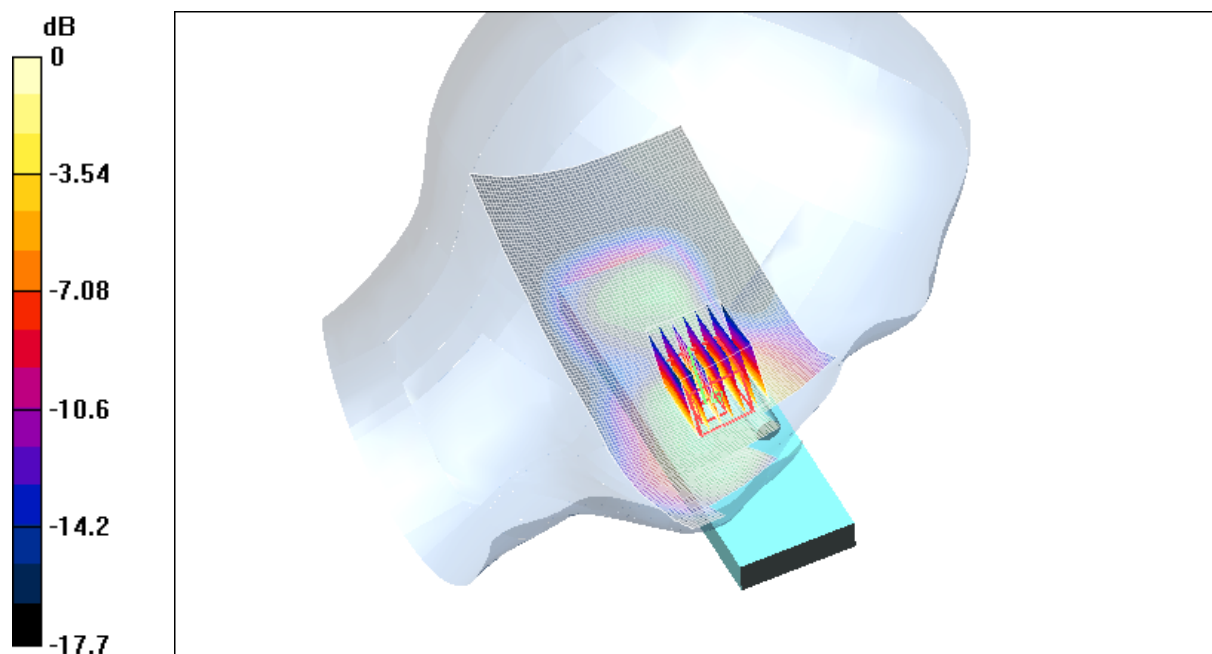Maximum value of SAR (interpolated) = 0.678 mW/g

## Channel 661 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 11.6 V/m; Power Drift = -0.1 dB
Peak SAR (extrapolated) = 0.972 W/kg
**SAR(1 g) = 0.594 mW/g; SAR(10 g) = 0.331 mW/g**
Maximum value of SAR (measured) = 0.677 mW/g
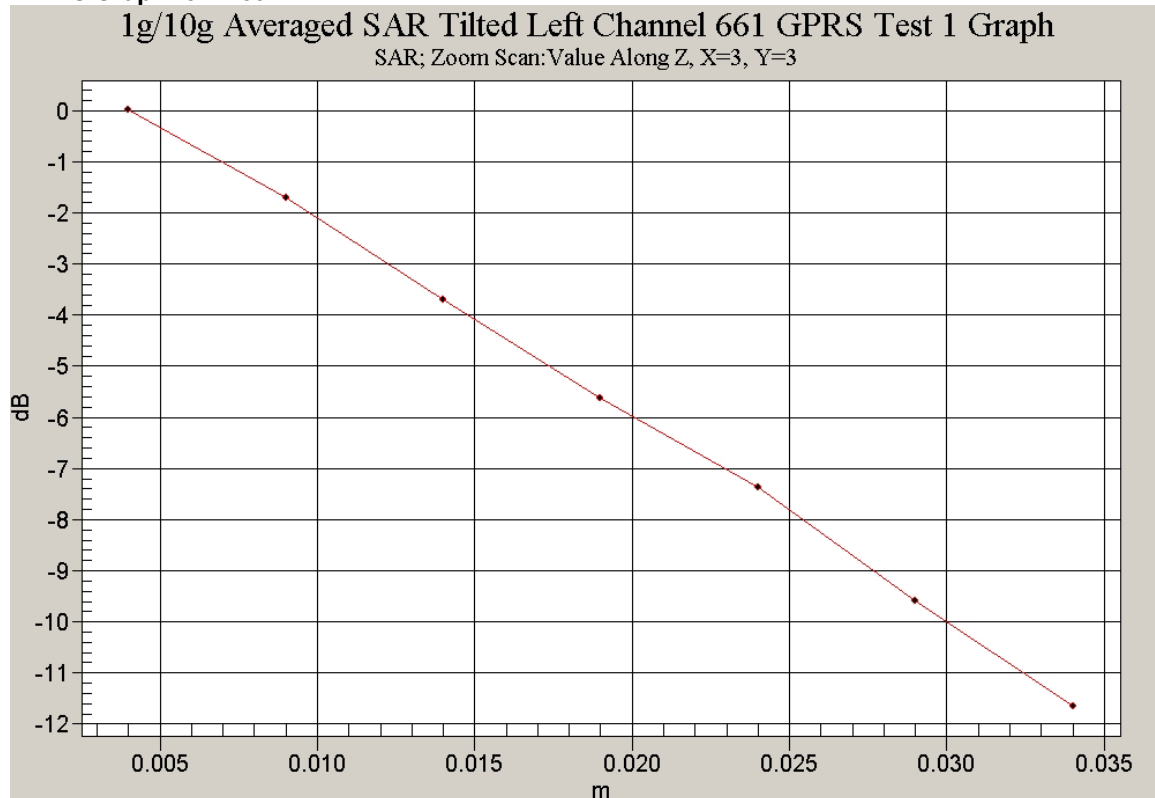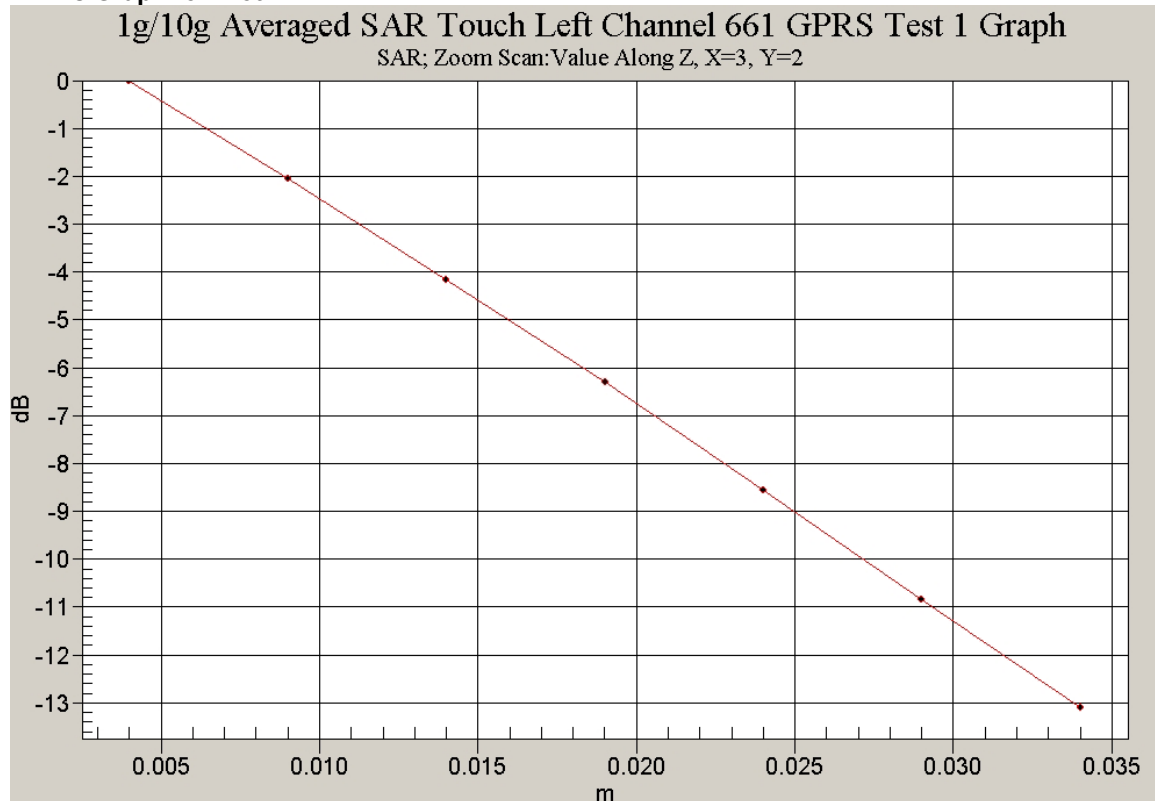


0 dB = 0.677mW/g

SAR MEASUREMENT PLOT 12

**Ambient Temperature**                **21.8 Degrees Celsius**
**Liquid Temperature**                 **21.1 Degrees Celsius**
**Humidity**                           **62.0 %**

**Z-Axis Graph for Plot 11**



1g/10g Averaged SAR Tilted Left Channel 661 GPRS Test 1 Graph
SAR; Zoom Scan:Value Along Z, X=3, Y=3

**Z-Axis Graph for Plot 12**



1g/10g Averaged SAR Touch Left Channel 661 GPRS Test 1 Graph
SAR; Zoom Scan:Value Along Z, X=3, Y=2

Test Date: 11 December 2004
File Name: Tilted Right 1900 MHz GSM (DAE900 Probe1377) 11-12-04.da4
**DUT: Voxson GSM Phone; Antenna: Fixed Length (Non-Extendable); Type: VX750; Serial: 20041105**

 * Communication System: 1900 MHz GPRS; Frequency: 1880 MHz; Duty Cycle: 1:4
 * Medium parameters used: σ = 1.44961; mho/m, $ε_r$ = 38.7324; ρ = 1000 kg/m$^3$
 - Electronics: DAE4 Sn900; Probe: ET3DV6 - SN1377; ConvF(5.12, 5.12, 5.12)
 - Phantom: SAM 22; Serial: 1260; Phantom section: Right Section

## Channel 661 Test/Area Scan (141x61x1): Measurement grid: dx=15mm, dy=15mm
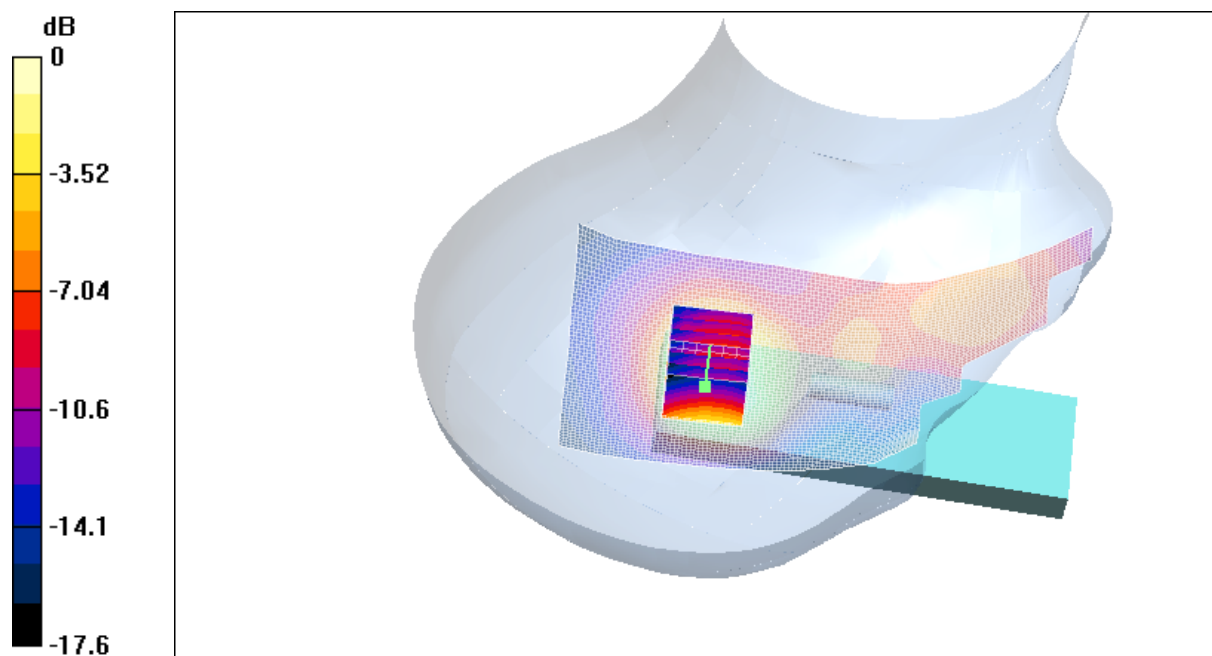Maximum value of SAR (interpolated) = 0.161 mW/g

## Channel 661 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm,
dz=5mm
Reference Value = 10.1 V/m; Power Drift = -0.0 dB
Peak SAR (extrapolated) = 0.205 W/kg
**SAR(1 g) = 0.130 mW/g; SAR(10 g) = 0.082 mW/g**
Maximum value of SAR (measured) = 0.140 mW/g



0 dB = 0.140mW/g

SAR MEASUREMENT PLOT 13

**Ambient Temperature**                            **21.8 Degrees Celsius**
**Liquid Temperature**                             **21.1 Degrees Celsius**
**Humidity**                                       **62.0 %**

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Test Date: 11 December 2004
File Name: Touch Right 1900 MHz GSM (DAE900 Probe1377) 11-12-04.da4
**DUT: Voxson GSM Phone; Antenna: Fixed Length (Non-Extendable); Type: VX750; Serial: 20041105**

 * Communication System: 1900 MHz GPRS; Frequency: 1850.2 MHz; Duty Cycle: 1:4
 * Medium parameters used: $\sigma$ = 1.43263; mho/m, $\varepsilon_r$ = 38.8575; $\rho$ = 1000 kg/m$^3$
 - Electronics: DAE4 Sn900; Probe: ET3DV6 - SN1377; ConvF(5.12, 5.12, 5.12)
 - Phantom: SAM 22; Serial: 1260; Phantom section: Right Section

## Channel 512 Test/Area Scan (141x61x1): Measurement grid: dx=15mm, dy=15mm
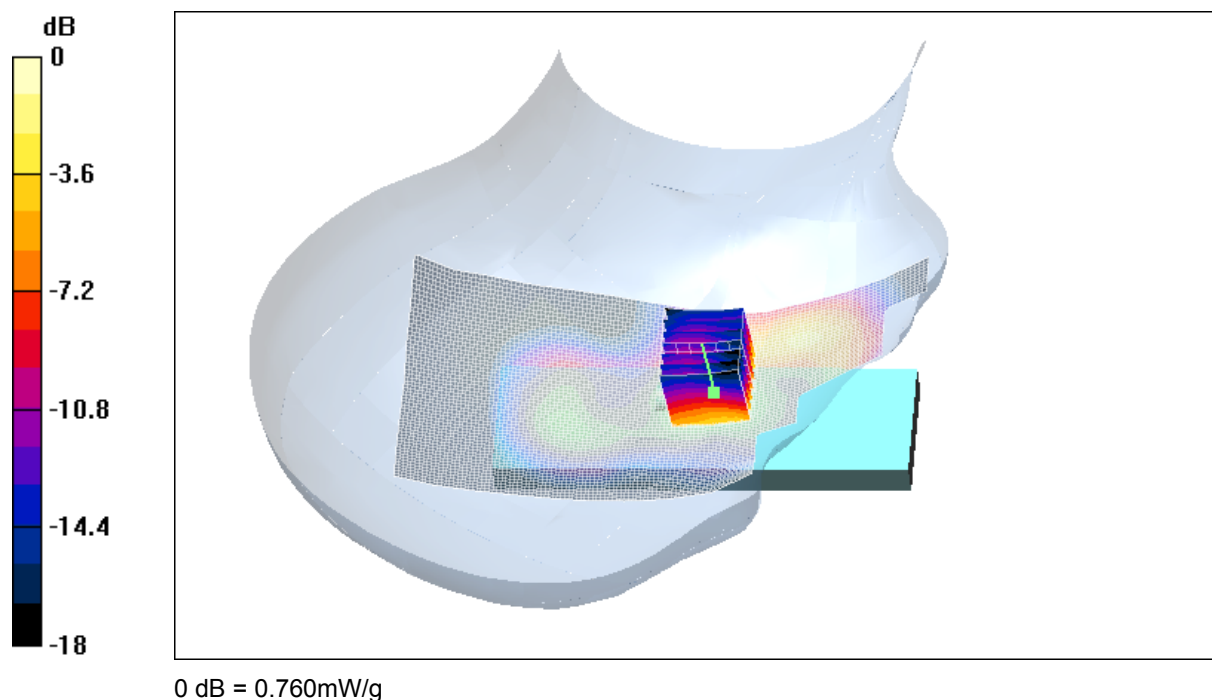Maximum value of SAR (interpolated) = 0.838 mW/g

## Channel 512 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm,
dz=5mm
Reference Value = 10.5 V/m; Power Drift = -0.3 dB
Peak SAR (extrapolated) = 1.53 W/kg
**SAR(1 g) = 0.696 mW/g; SAR(10 g) = 0.385 mW/g**
Maximum value of SAR (measured) = 0.760 mW/g



0 dB = 0.760mW/g

SAR MEASUREMENT PLOT 14

**Ambient Temperature**                          **21.8 Degrees Celsius**
**Liquid Temperature**                           **21.1 Degrees Celsius**
**Humidity**                                     **62.0 %**

Test Date: 11 December 2004
File Name: Touch Right 1900 MHz GSM (DAE900 Probe1377) 11-12-04.da4
**DUT: Voxson GSM Phone; Antenna: Fixed Length (Non-Extendable); Type: VX750; Serial: 20041105**

 * Communication System: 1900 MHz GPRS; Frequency: 1880 MHz; Duty Cycle: 1:4
 * Medium parameters used: $\sigma$ = 1.44961; mho/m, $\varepsilon_r$ = 38.7324; $\rho$ = 1000 kg/m$^3$
- Electronics: DAE4 Sn900; Probe: ET3DV6 - SN1377; ConvF(5.12, 5.12, 5.12)
- Phantom: SAM 22; Serial: 1260; Phantom section: Right Section

## Channel 661 Test/Area Scan (141x61x1): Measurement grid: dx=15mm, dy=15mm
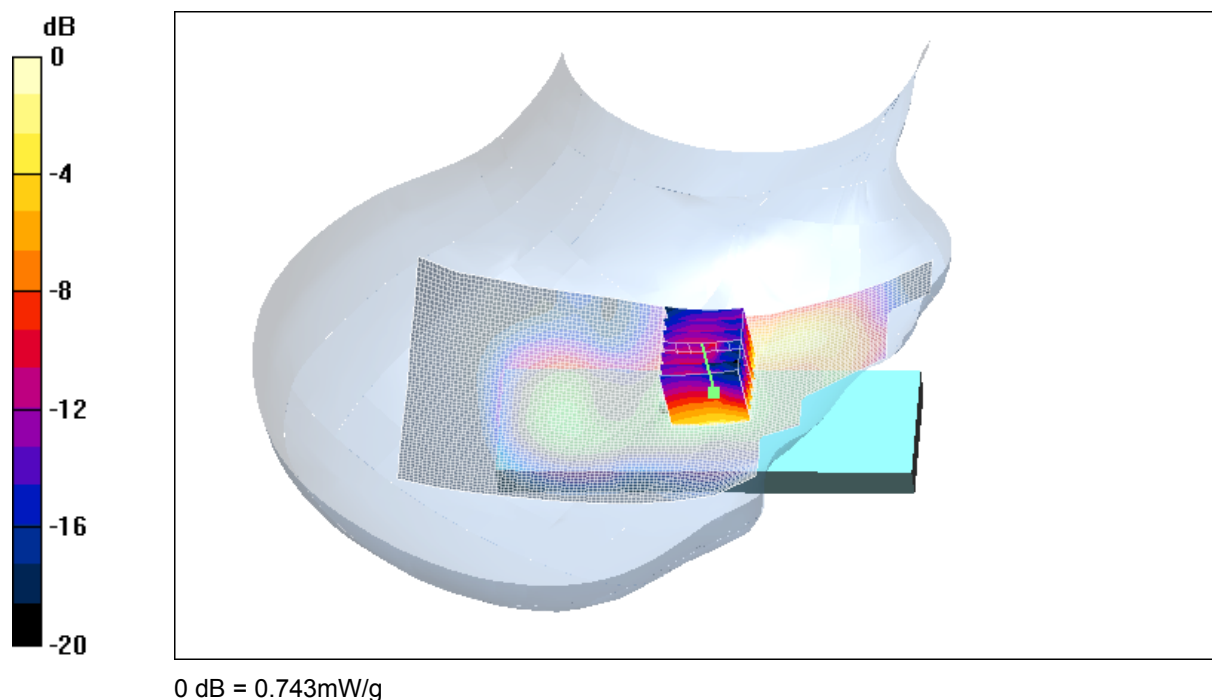Maximum value of SAR (interpolated) = 0.829 mW/g

## Channel 661 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm,
dz=5mm
Reference Value = 10.1 V/m; Power Drift = -0.2 dB
Peak SAR (extrapolated) = 1.53 W/kg
**SAR(1 g) = 0.690 mW/g; SAR(10 g) = 0.379 mW/g**
Maximum value of SAR (measured) = 0.743 mW/g



0 dB = 0.743mW/g

SAR MEASUREMENT PLOT 15

**Ambient Temperature**                           **21.8 Degrees Celsius**
**Liquid Temperature**                            **21.1 Degrees Celsius**
**Humidity**                                      **62.0 %**

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Test Date: 11 December 2004
File Name: Touch Right 1900 MHz GSM (DAE900 Probe1377) 11-12-04.da4
**DUT: Voxson GSM Phone; Antenna: Fixed Length (Non-Extendable); Type: VX750; Serial: 20041105**

 * Communication System: 1900 MHz GPRS; Frequency: 1909.8 MHz; Duty Cycle: 1:4
 * Medium parameters used: $\sigma$ = 1.46656; mho/m, $\varepsilon_r$ = 38.648; $\rho$ = 1000 kg/m$^3$
- Electronics: DAE4 Sn900; Probe: ET3DV6 - SN1377; ConvF(5.12, 5.12, 5.12)
- Phantom: SAM 22; Serial: 1260; Phantom section: Right Section

## Channel 810 Test 2/Area Scan (141x61x1): Measurement grid: dx=15mm, dy=15mm
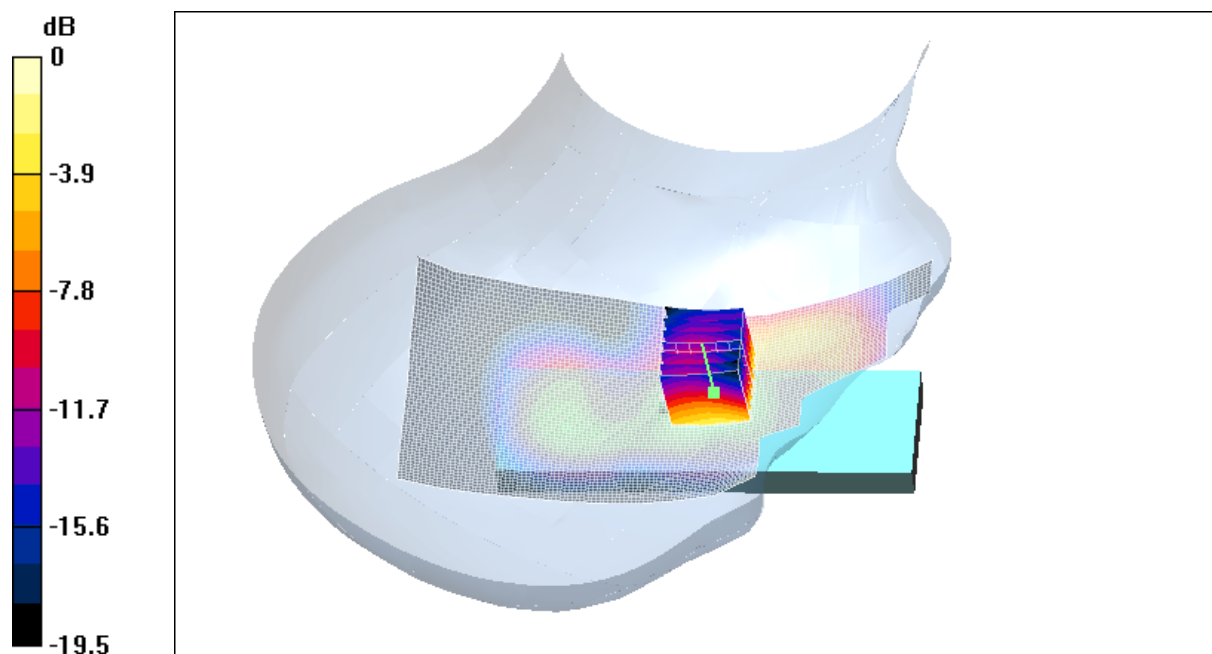Maximum value of SAR (interpolated) = 1.66 mW/g

## Channel 810 Test 2/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm,
dz=5mm
Reference Value = 15 V/m; Power Drift = -0.2 dB
Peak SAR (extrapolated) = 2.93 W/kg
**SAR(1 g) = 1.37 mW/g; SAR(10 g) = 0.753 mW/g**
Maximum value of SAR (measured) = 1.47 mW/g
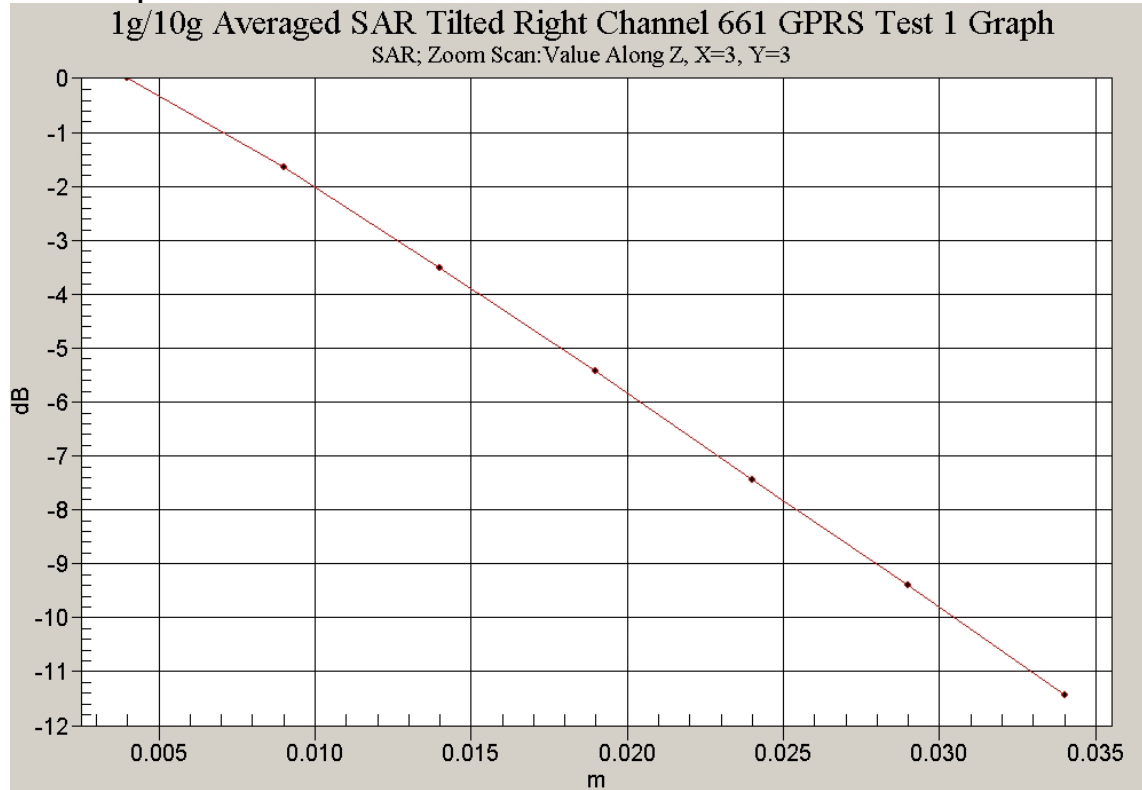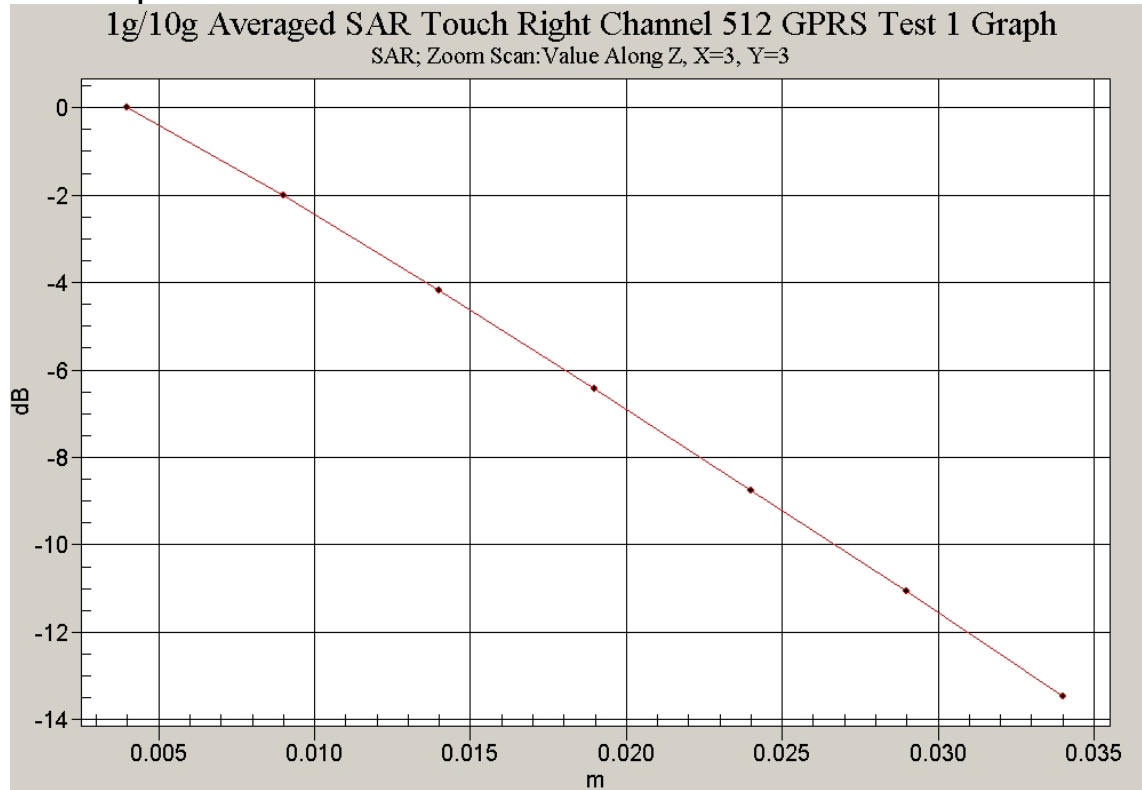


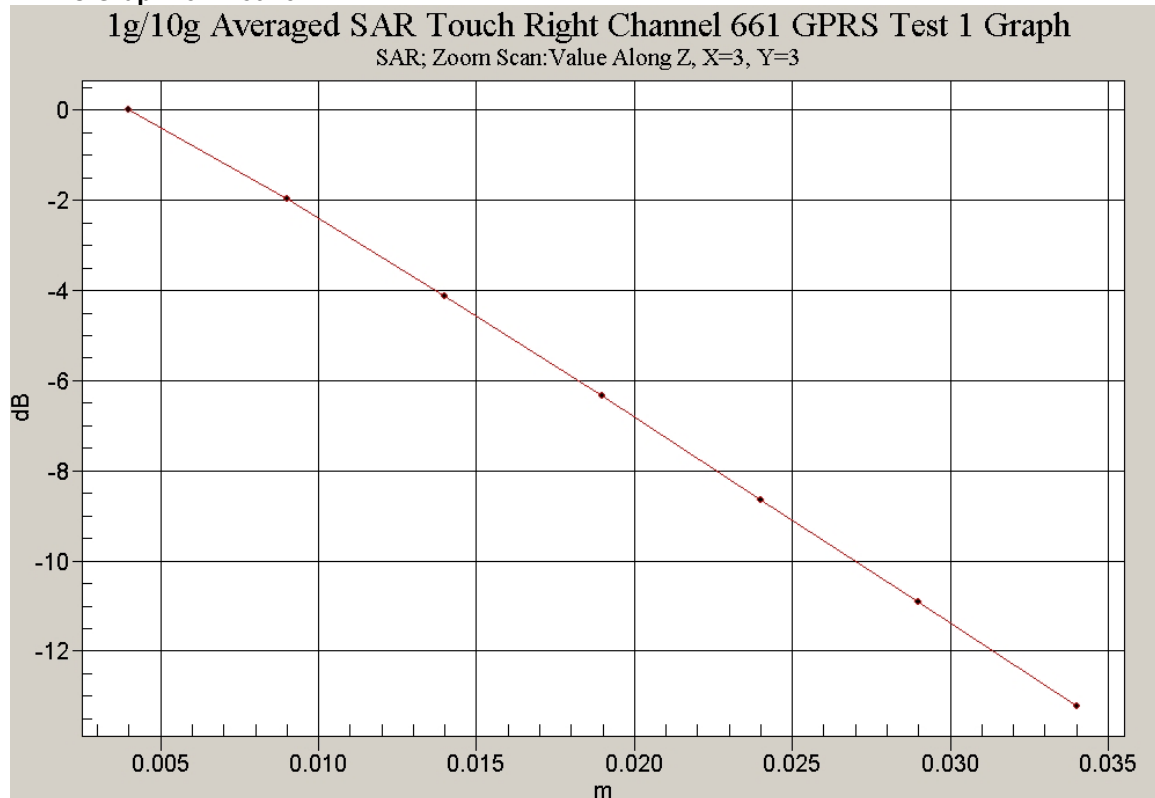0 dB = 1.47mW/g

SAR MEASUREMENT PLOT 16

**Ambient Temperature**                         **21.8 Degrees Celsius**
**Liquid Temperature**                          **21.1 Degrees Celsius**
**Humidity**                                    **62.0 %**

**Z-Axis Graph for Plot 13**



1g/10g Averaged SAR Tilted Right Channel 661 GPRS Test 1 Graph
SAR; Zoom Scan:Value Along Z, X=3, Y=3

**Z-Axis Graph for Plot 14**



1g/10g Averaged SAR Touch Right Channel 512 GPRS Test 1 Graph
SAR; Zoom Scan:Value Along Z, X=3, Y=3

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**Z-Axis Graph for Plot 15**



1g/10g Averaged SAR Touch Right Channel 661 GPRS Test 1 Graph
SAR; Zoom Scan:Value Along Z, X=3, Y=3

**Z-Axis Graph for Plot 16**



1g/10g Averaged SAR Touch Right Channel 810 GPRS Test 2 Graph
SAR; Zoom Scan:Value Along Z, X=3, Y=3

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