CDMA PCS Left Tilt Middle

Communication System: CDMA PCS; Frequency: 1880 MHz;Duty Cycle: 1:1

Medium: Head 1900MHz

Medium parameters used: f = 1880 MHz; σ = 1.41 mho/m; ε_r = 39.6; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1737; ConvF(5.15, 5.15, 5.15);
- Electronics: DAE3 Sn452;

Tilt Middle/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.754 mW/g

Tilt Middle/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 22.6 V/m; Power Drift = -0.024 dB

Peak SAR (extrapolated) = 1.00 W/kg

SAR(1 g) = 0.658 mW/g; SAR(10 g) = 0.377 mW/g

Maximum value of SAR (measured) = 0.727 mW/g

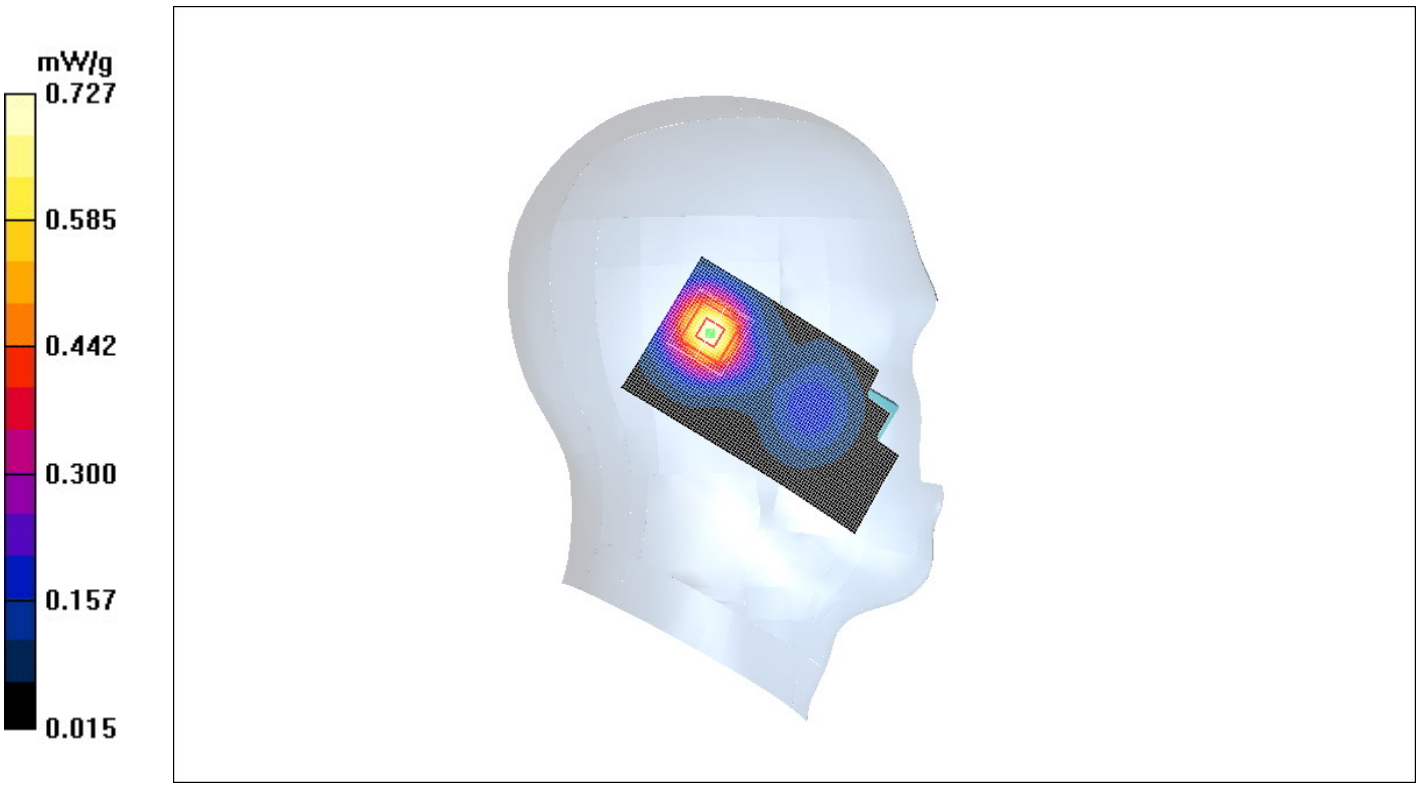


Figure. 15 Left Hand Tilt 15° CDMA PCS Channel 600

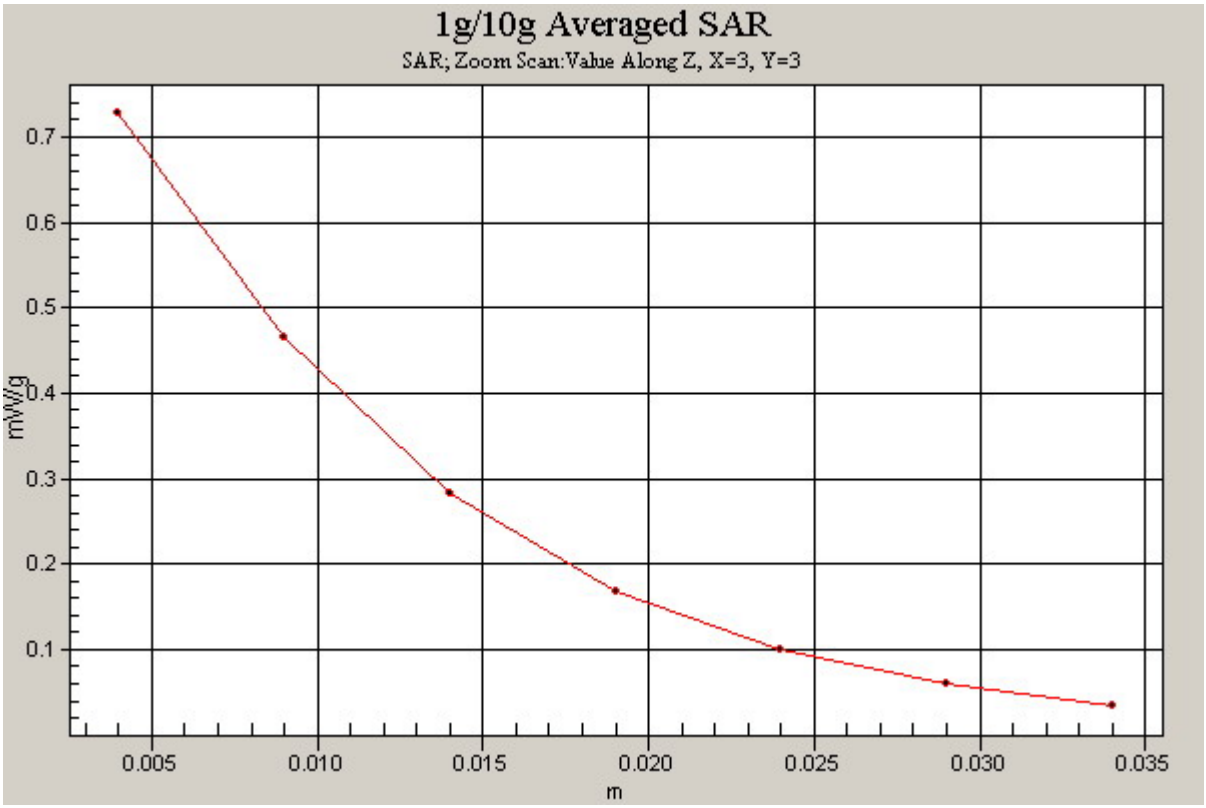


Figure. 16 Z-Scan at power reference point (Left Hand Tilt 15° CDMA PCS Channel 600)

CDMA PCS Left Tilt Low
Communication System: CDMA PCS; Frequency: 1851.25 MHz;Duty Cycle: 1:1
Medium: Head 1900MHz
Medium parameters used: f = 1852 MHz; σ = 1.39 mho/m; ε_r = 39.7; ρ = 1000 kg/m^3
- Probe: ET3DV6 - SN1737; ConvF(5.15, 5.15, 5.15);
- Electronics: DAE3 Sn452;

Tilt Low/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.654 mW/g

Tilt Low/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 21.1 V/m; Power Drift = -0.113 dB
Peak SAR (extrapolated) = 0.872 W/kg
SAR(1 g) = 0.567 mW/g; SAR(10 g) = 0.327 mW/g
Maximum value of SAR (measured) = 0.618 mW/g

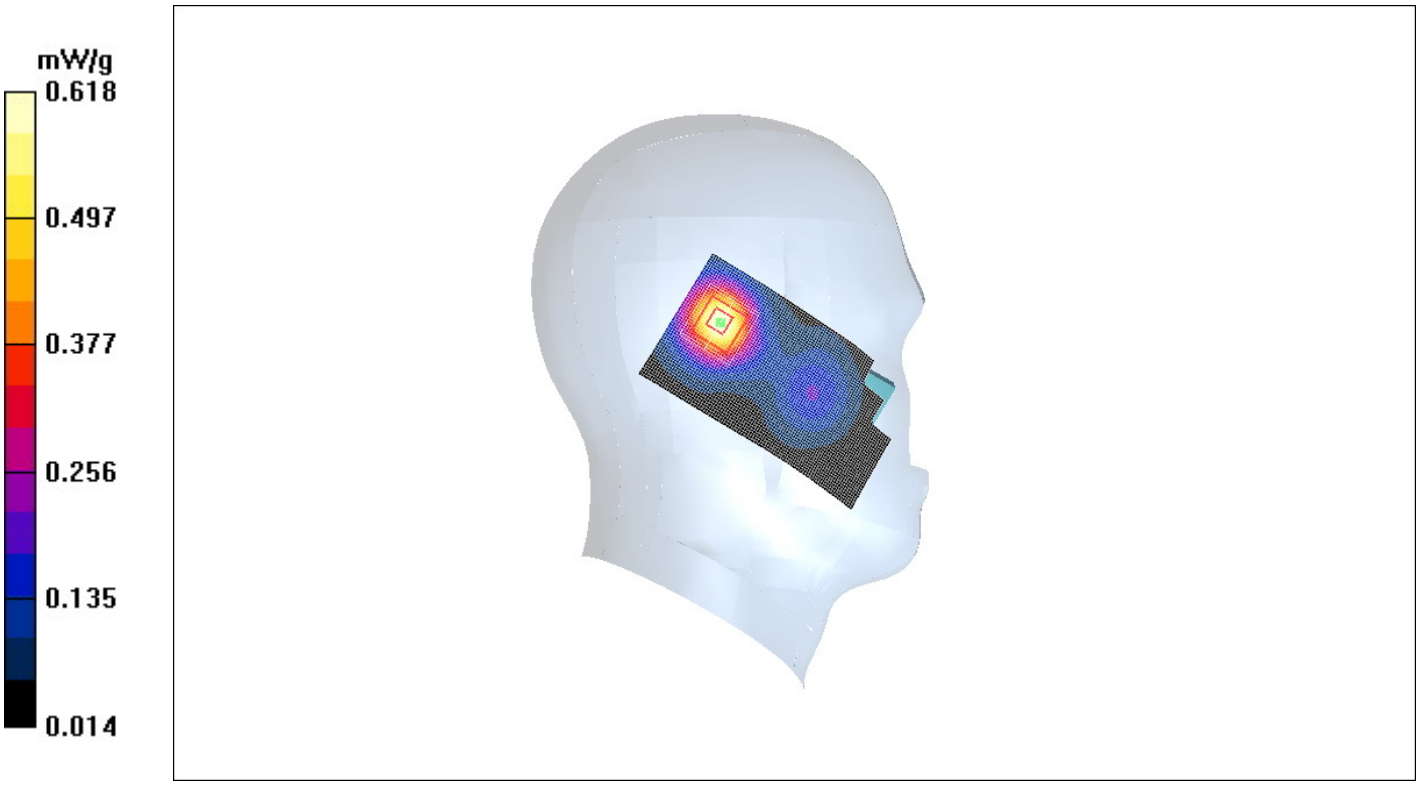


Figure. 17 Left Hand Tilt 15° CDMA PCS Channel 25

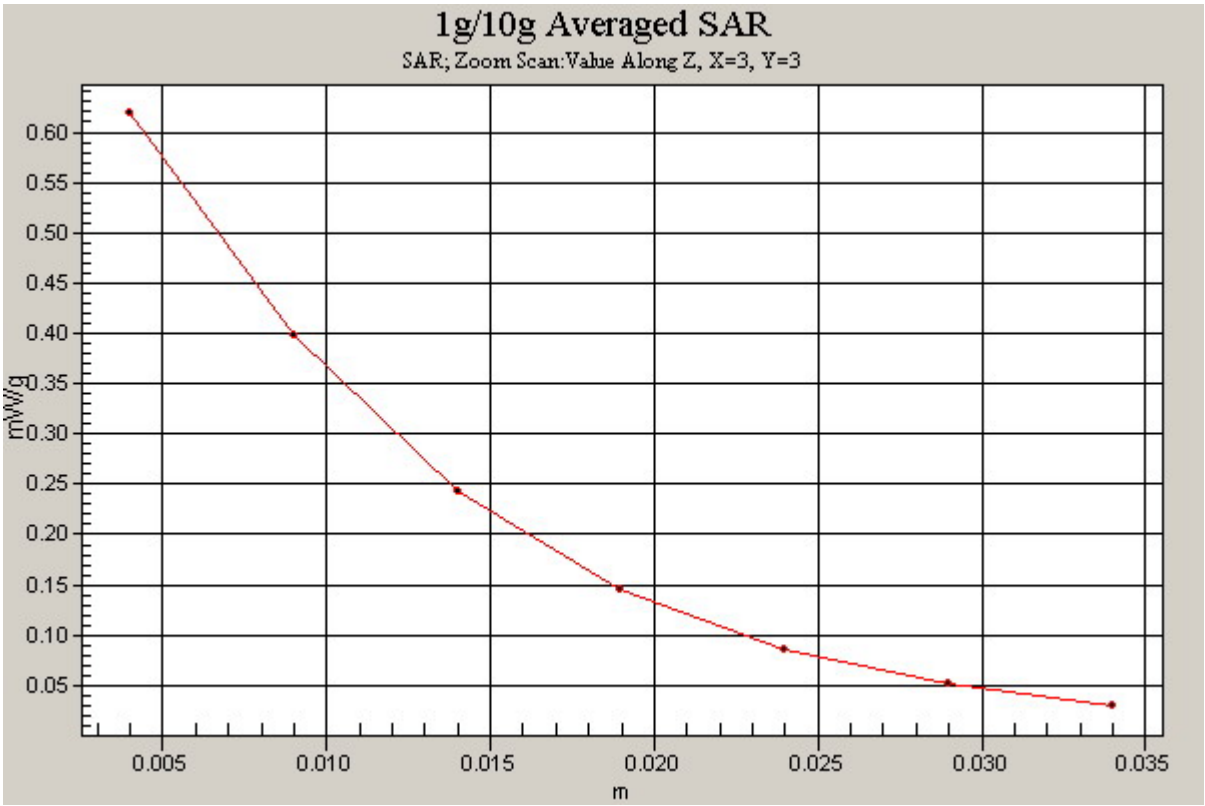


Figure.18 Z-Scan at power reference point (Left Hand Tilt 15° CDMA PCS Channel 25)

CDMA PCS Right Cheek High
Communication System: CDMA PCS; Frequency: 1908.75 MHz;Duty Cycle: 1:1
Medium: Head 1900MHz
Medium parameters used (interpolated): f = 1908.75 MHz; σ = 1.43 mho/m; ε_r = 39.5; ρ = 1000 kg/m^3
- Probe: ET3DV6 - SN1737; ConvF(5.15, 5.15, 5.15);
- Electronics: DAE3 Sn452;

Cheek High/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.613 mW/g

Cheek High/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 21.5 V/m; Power Drift = -0.110 dB
Peak SAR (extrapolated) = 0.813 W/kg
SAR(1 g) = 0.595 mW/g; SAR(10 g) = 0.369 mW/g
Maximum value of SAR (measured) = 0.652 mW/g

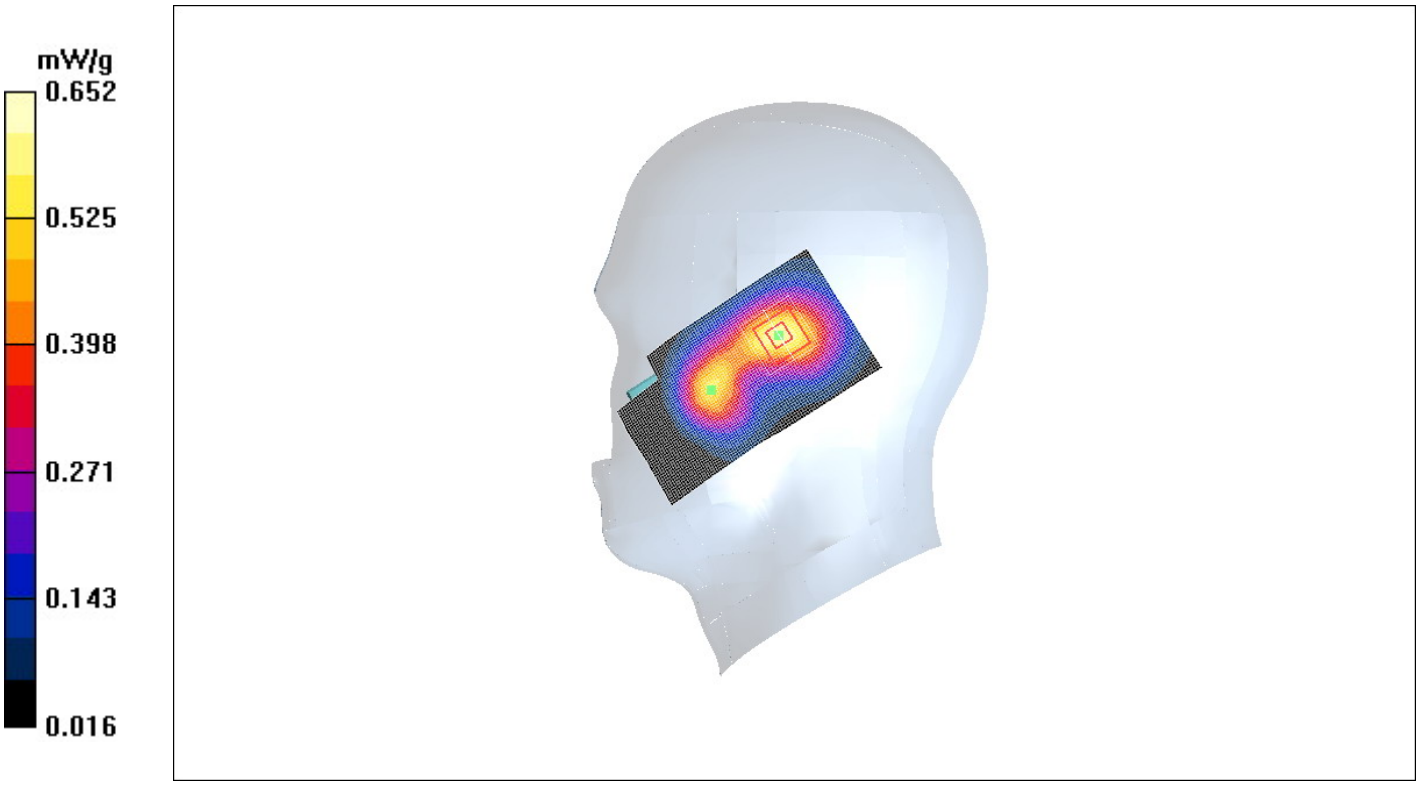


Figure. 19 Right Hand Touch Cheek CDMA PCS Channel 1175

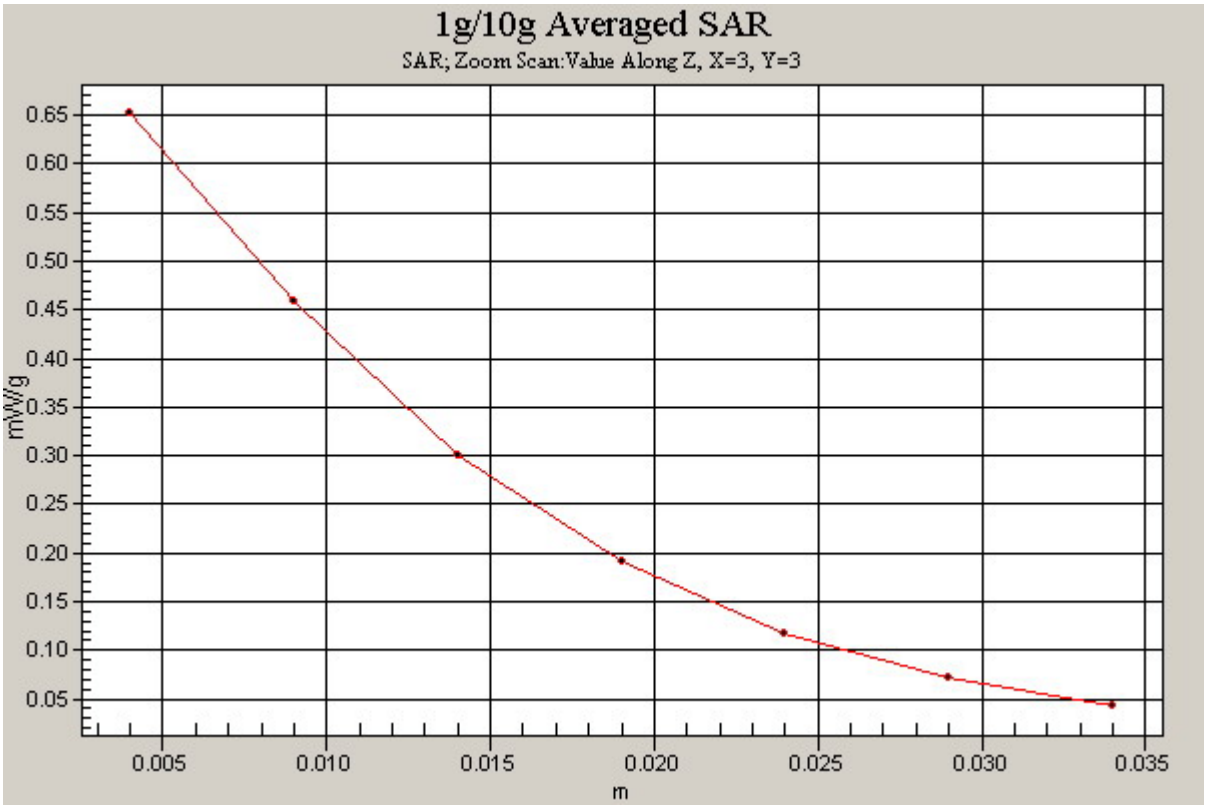


Figure. 20 Z-Scan at power reference point (Right Hand Touch Cheek CDMA PCS Channel 1175)

CDMA PCS Right Cheek Middle
Communication System: CDMA PCS; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: Head 1900MHz
Medium parameters used: f = 1880 MHz; σ = 1.41 mho/m; ε_r = 39.6; ρ = 1000 kg/m^3
- Probe: ET3DV6 - SN1737; ConvF(5.15, 5.15, 5.15);
- Electronics: DAE3 Sn452;

Cheek Middle/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.689 mW/g

Cheek Middle/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 21.4 V/m; Power Drift = -0.089 dB
Peak SAR (extrapolated) = 0.772 W/kg
SAR(1 g) = 0.621 mW/g; SAR(10 g) = 0.394 mW/g
Maximum value of SAR (measured) = 0.685 mW/g

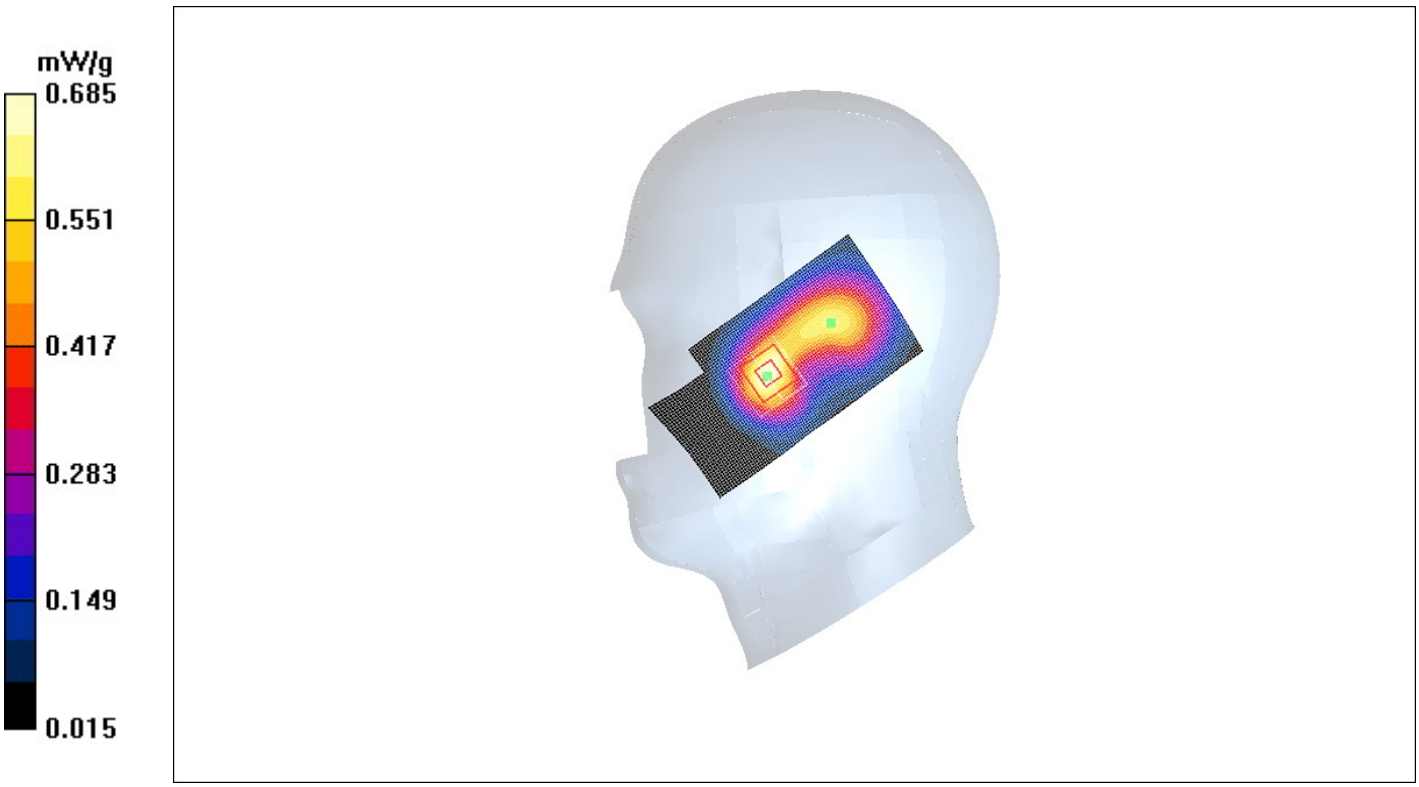


Figure. 21 Right Hand Touch Cheek CDMA PCS Channel 600

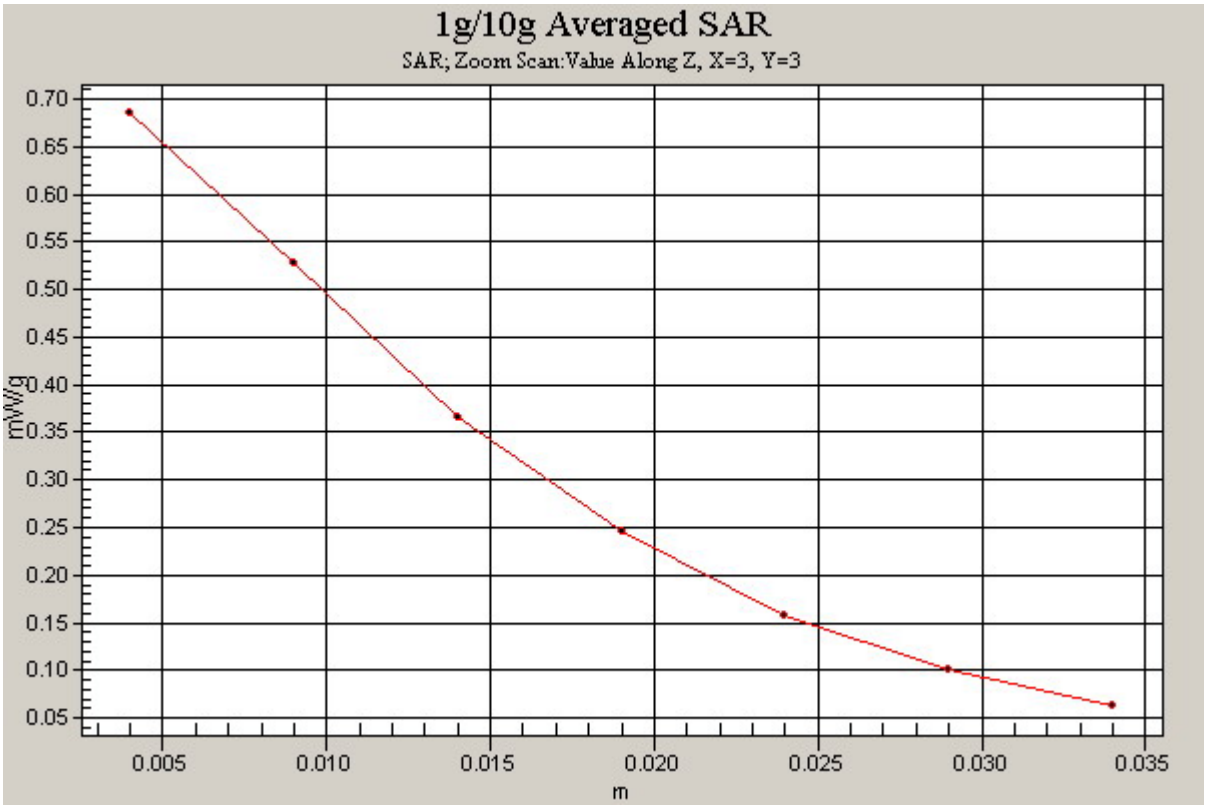


Figure. 22 Z-Scan at power reference point (Right Hand Touch Cheek CDMA PCS Channel 600)

CDMA PCS Right Cheek Low
Communication System: CDMA PCS; Frequency: 1851.25 MHz;Duty Cycle: 1:1
Medium: Head 1900MHz
Medium parameters used: f = 1852 MHz; σ = 1.39 mho/m; ε_r = 39.7; ρ = 1000 kg/m^3
- Probe: ET3DV6 - SN1737; ConvF(5.15, 5.15, 5.15);
- Electronics: DAE3 Sn452;

Cheek Low/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.631 mW/g

Cheek Low/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 21.7 V/m; Power Drift = -0.155 dB
Peak SAR (extrapolated) = 0.712 W/kg
SAR(1 g) = 0.579 mW/g; SAR(10 g) = 0.370 mW/g
Maximum value of SAR (measured) = 0.638 mW/g

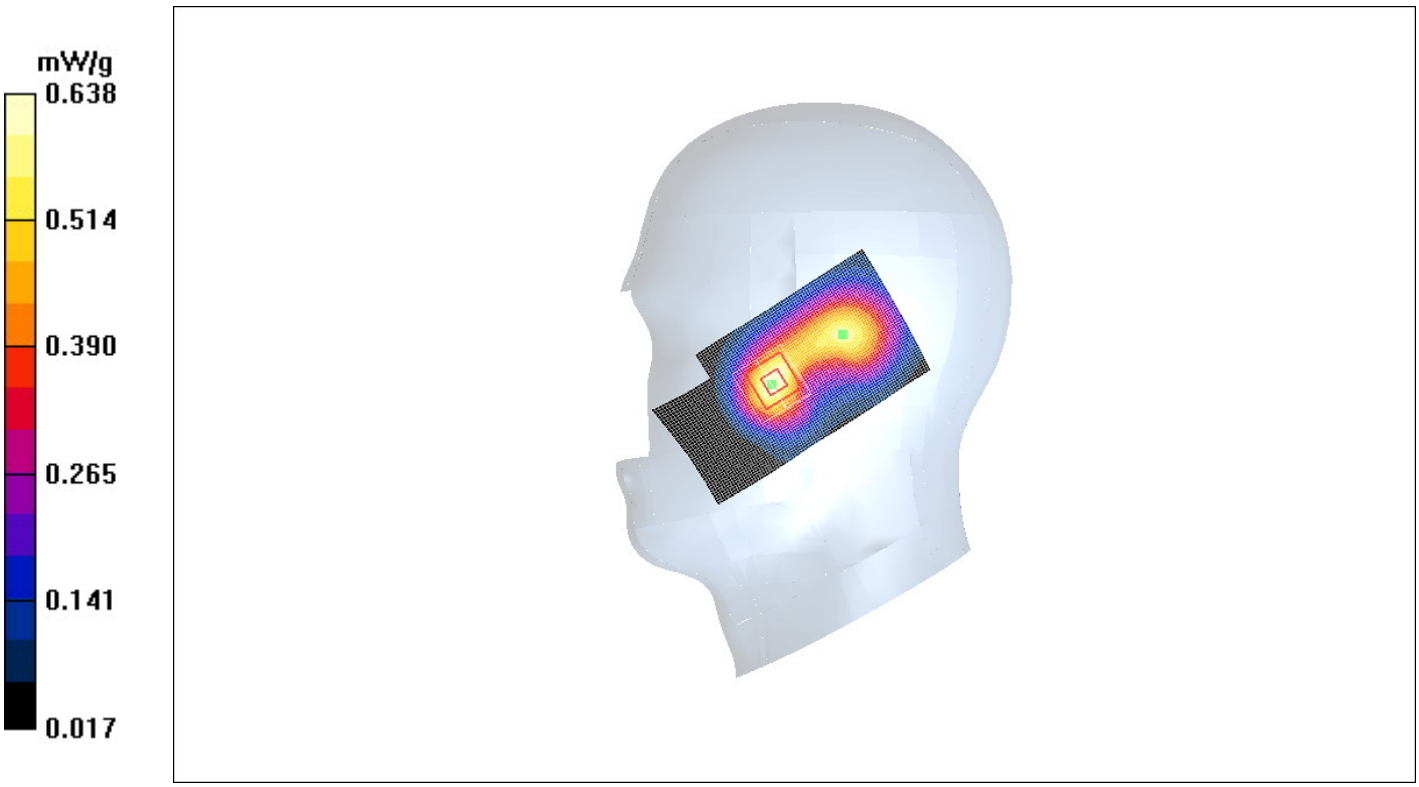


Figure. 23 Right Hand Touch Cheek CDMA PCS Channel 25

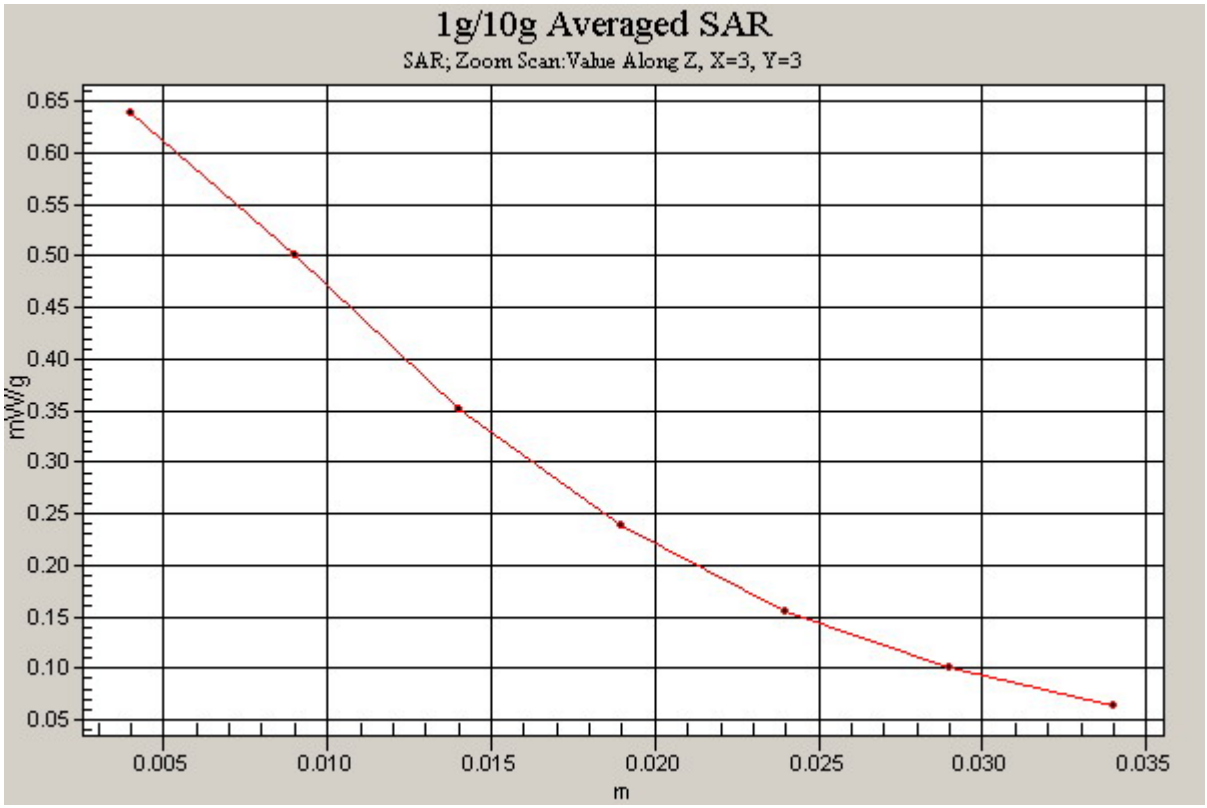


Figure. 24 Z-Scan at power reference point (Right Hand Touch Cheek CDMA PCS Channel 25)

CDMA PCS Right Tilt High
Communication System: CDMA PCS; Frequency: 1908.75 MHz;Duty Cycle: 1:1
Medium: Head 1900MHz
Medium parameters used (interpolated): f = 1908.75 MHz; σ = 1.43 mho/m; ε_r = 39.5; ρ = 1000 kg/m^3
- Probe: ET3DV6 - SN1737; ConvF(5.15, 5.15, 5.15);
- Electronics: DAE3 Sn452;

Tilt High/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.505 mW/g

Tilt High/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 20.8 V/m; Power Drift = -0.083 dB
Peak SAR (extrapolated) = 0.764 W/kg
SAR(1 g) = 0.498 mW/g; SAR(10 g) = 0.289 mW/g
Maximum value of SAR (measured) = 0.552 mW/g

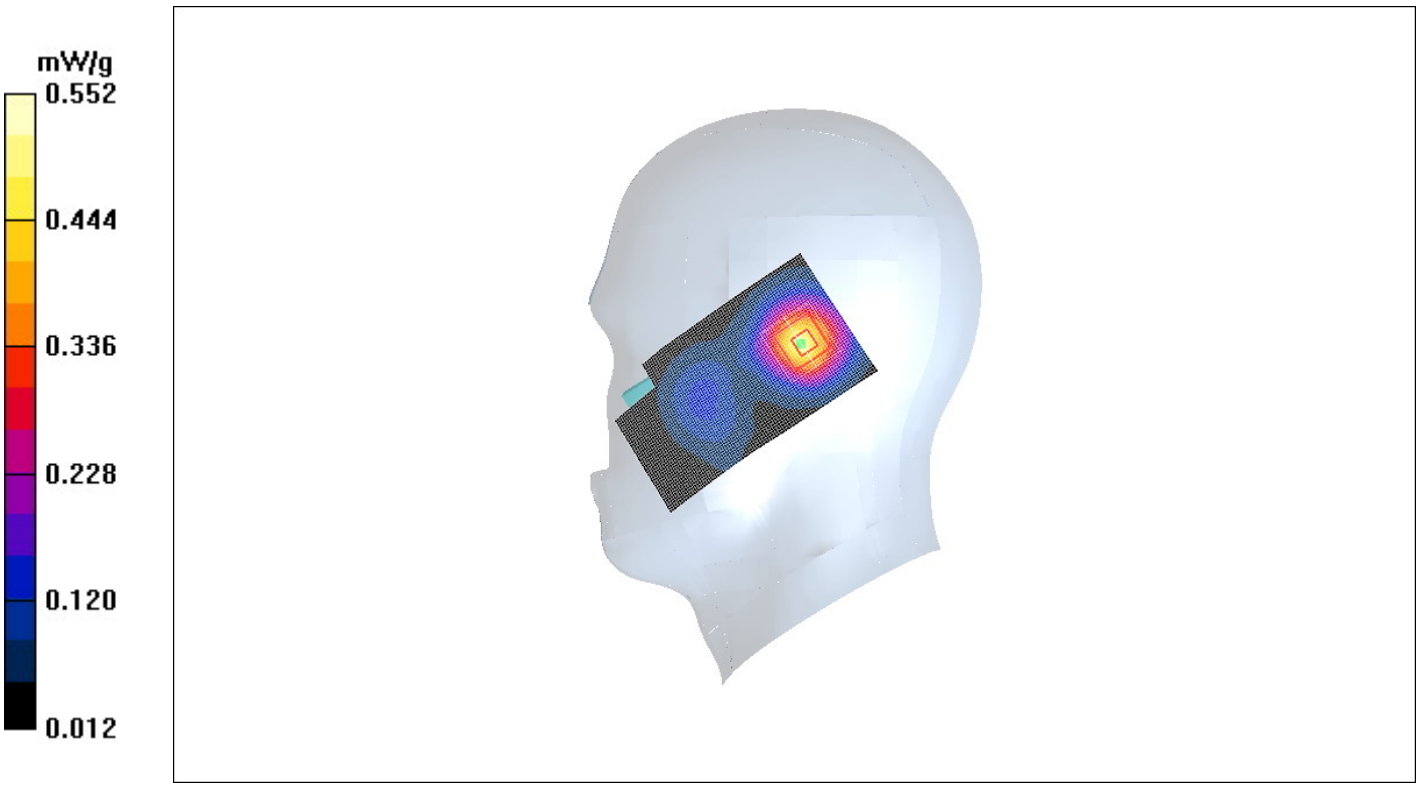


Figure. 25 Right Hand Tilt 15° CDMA PCS Channel 1175

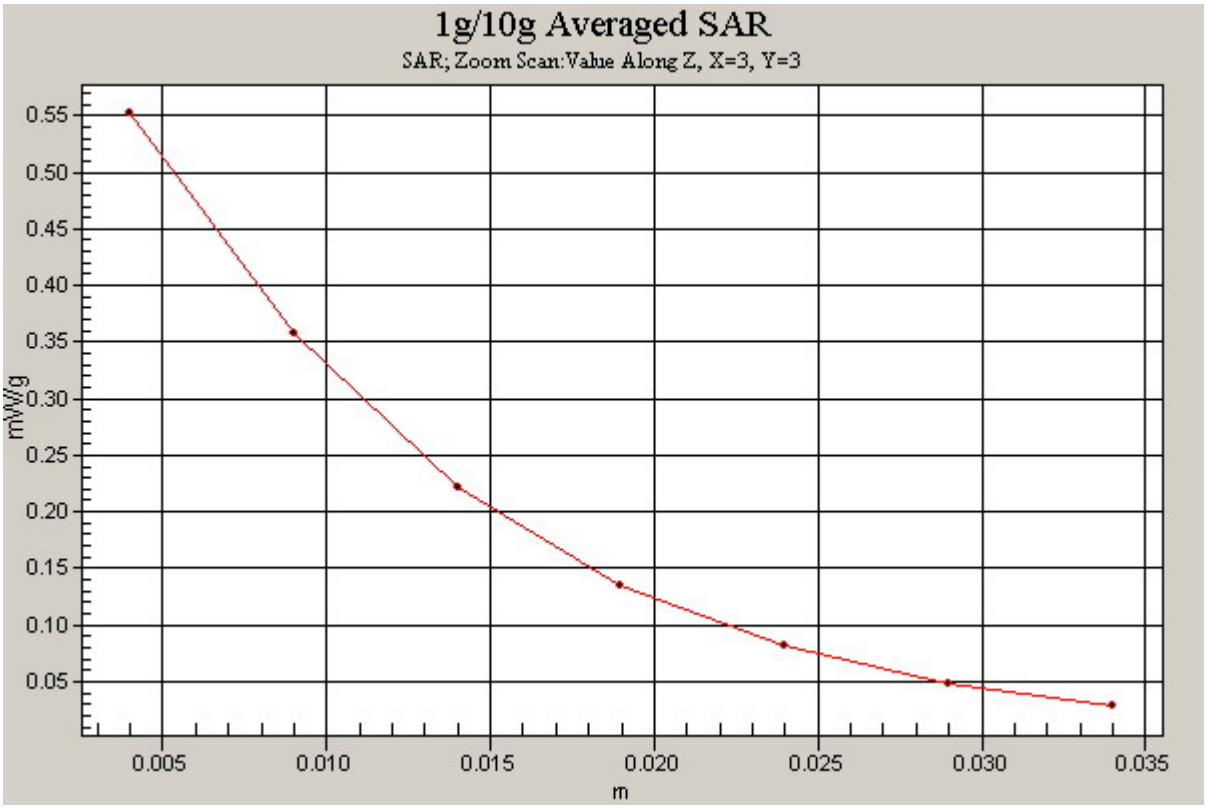


Figure. 26 Z-Scan at power reference point (Right Hand Tilt 15° CDMA PCS Channel 1175)

CDMA PCS Right Tilt Middle
Communication System: CDMA PCS; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: Head 1900MHz
Medium parameters used: f = 1880 MHz; σ = 1.41 mho/m; ε_r = 39.6; ρ = 1000 kg/m^3
- Probe: ET3DV6 - SN1737; ConvF(5.15, 5.15, 5.15);
- Electronics: DAE3 Sn452;

Tilt Middle/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.565 mW/g

Tilt Middle/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 22.0 V/m; Power Drift = -0.128 dB
Peak SAR (extrapolated) = 0.844 W/kg
SAR(1 g) = 0.555 mW/g; SAR(10 g) = 0.326 mW/g
Maximum value of SAR (measured) = 0.612 mW/g

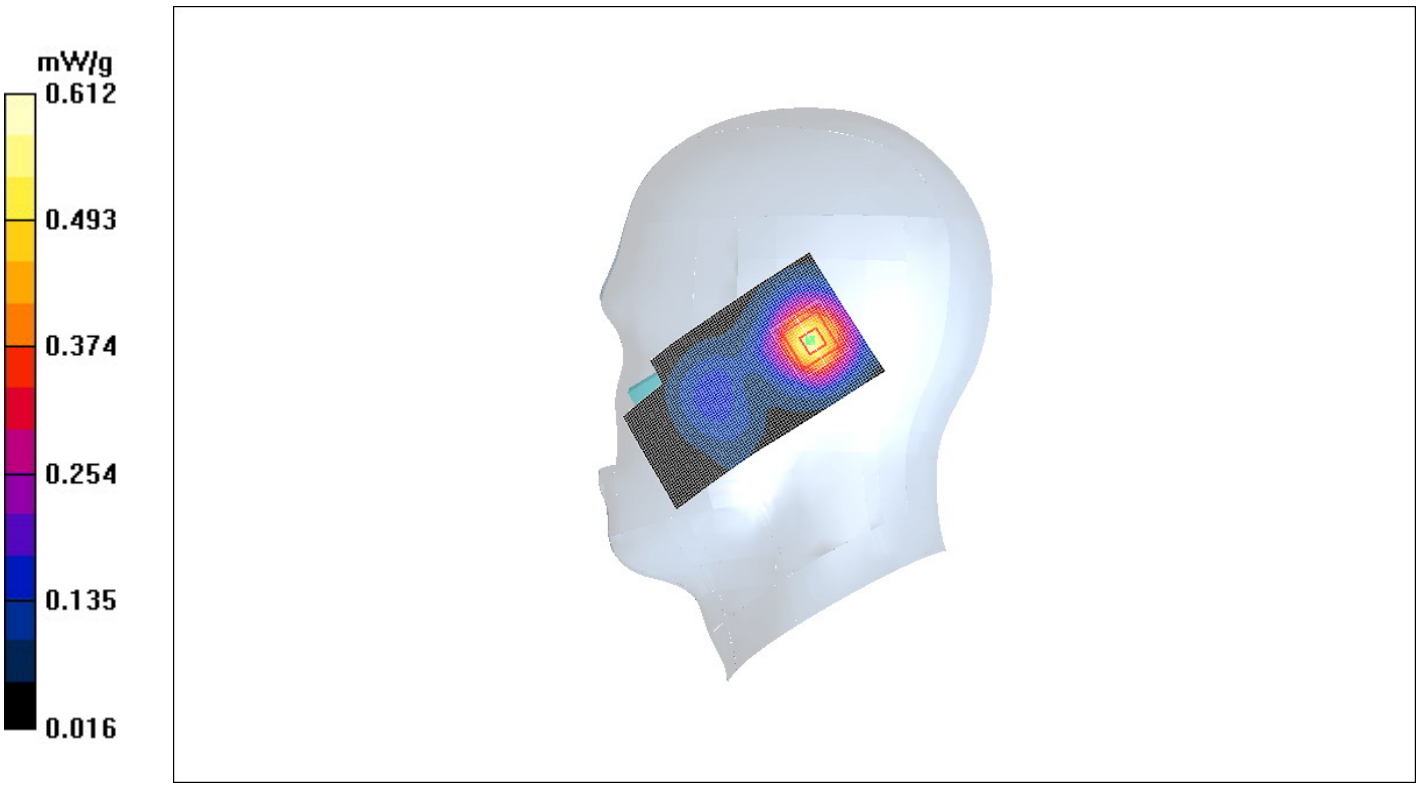


Figure. 27 Right Hand Tilt 15° CDMA PCS Channel 600

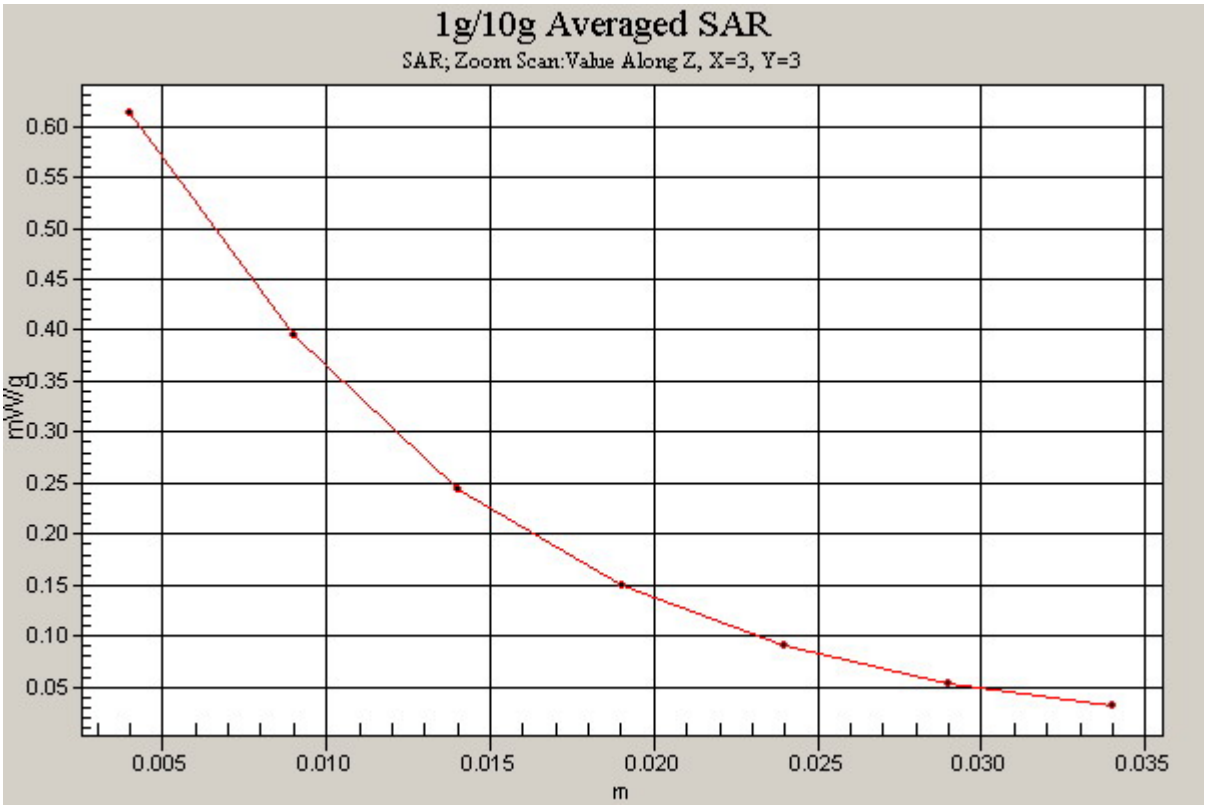


Figure.28 Z-Scan at power reference point (Right Hand Tilt 15° CDMA PCS Channel 600)

CDMA PCS Right Tilt Low
Communication System: CDMA PCS; Frequency: 1851.25 MHz;Duty Cycle: 1:1
Medium: Head 1900MHz
Medium parameters used: f = 1852 MHz; σ = 1.39 mho/m; ε_r = 39.7; ρ = 1000 kg/m^3
- Probe: ET3DV6 - SN1737; ConvF(5.15, 5.15, 5.15);
- Electronics: DAE3 Sn452;

Tilt Low/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.483 mW/g

Tilt Low/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 20.4 V/m; Power Drift = 0.049 dB
Peak SAR (extrapolated) = 0.743 W/kg
SAR(1 g) = 0.486 mW/g; SAR(10 g) = 0.286 mW/g
Maximum value of SAR (measured) = 0.536 mW/g

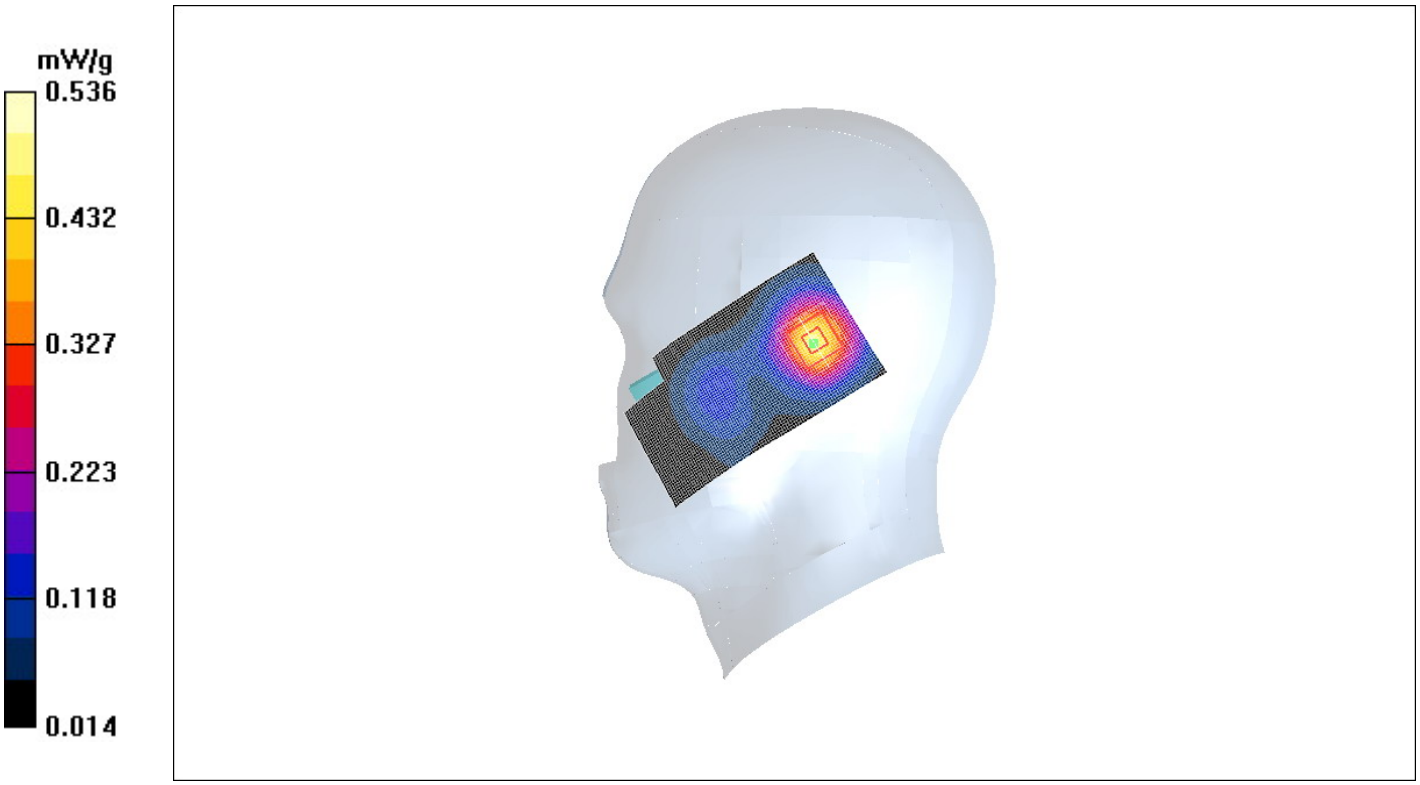


Figure. 29 Right Hand Tilt 15° CDMA PCS Channel 25

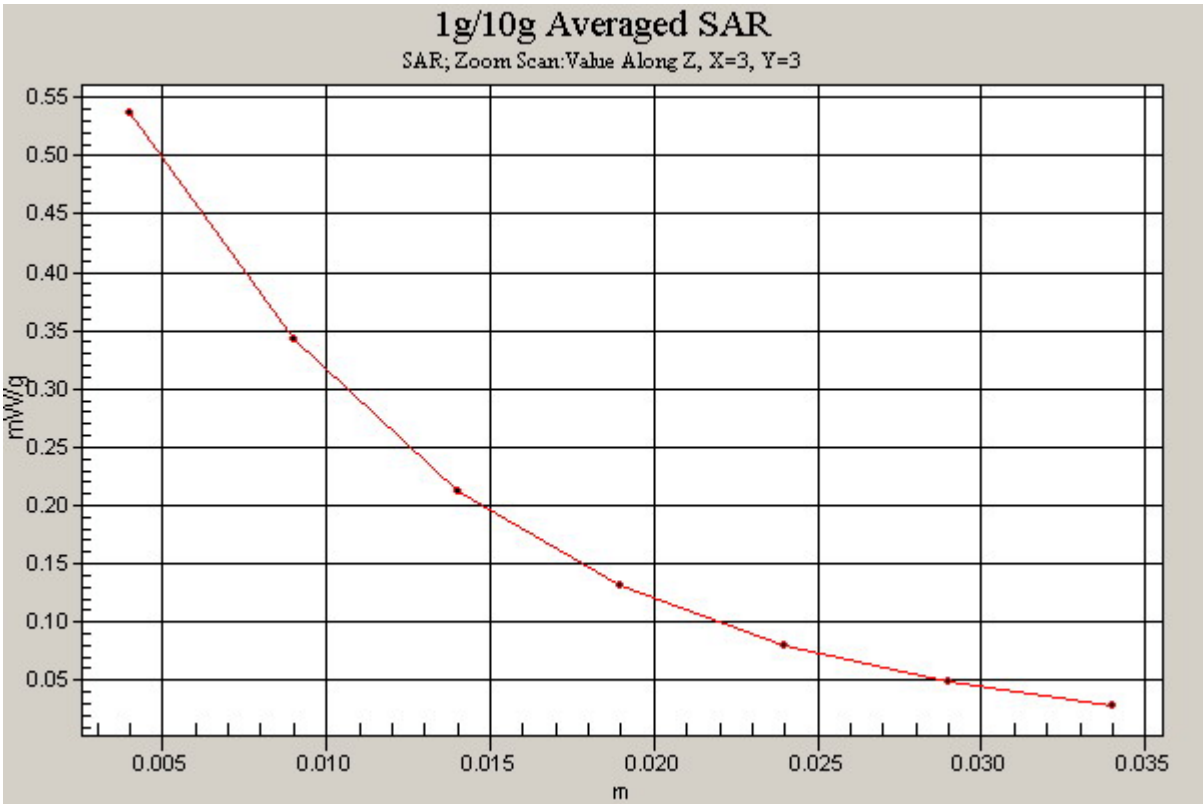


Figure. 30 Z-Scan at power reference point (Right Hand Tilt 15° CDMA PCS Channel 25)

CDMA PCS Towards Phantom High
Communication System: CDMA PCS; Frequency: 1908.75 MHz;Duty Cycle: 1:1
Medium: Body 1900MHz
Medium parameters used (interpolated): f = 1908.75 MHz; σ = 1.52 mho/m; ε_r = 52.5; ρ = 1000 kg/m^3
- Probe: ET3DV6 - SN1737; ConvF(4.64, 4.64, 4.64);
- Electronics: DAE3 Sn452;

Towards Phantom High/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.261 mW/g

Towards Phantom High/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 12.4 V/m; Power Drift = -0.027 dB
Peak SAR (extrapolated) = 0.358 W/kg
SAR(1 g) = 0.237 mW/g; SAR(10 g) = 0.147 mW/g
Maximum value of SAR (measured) = 0.257 mW/g

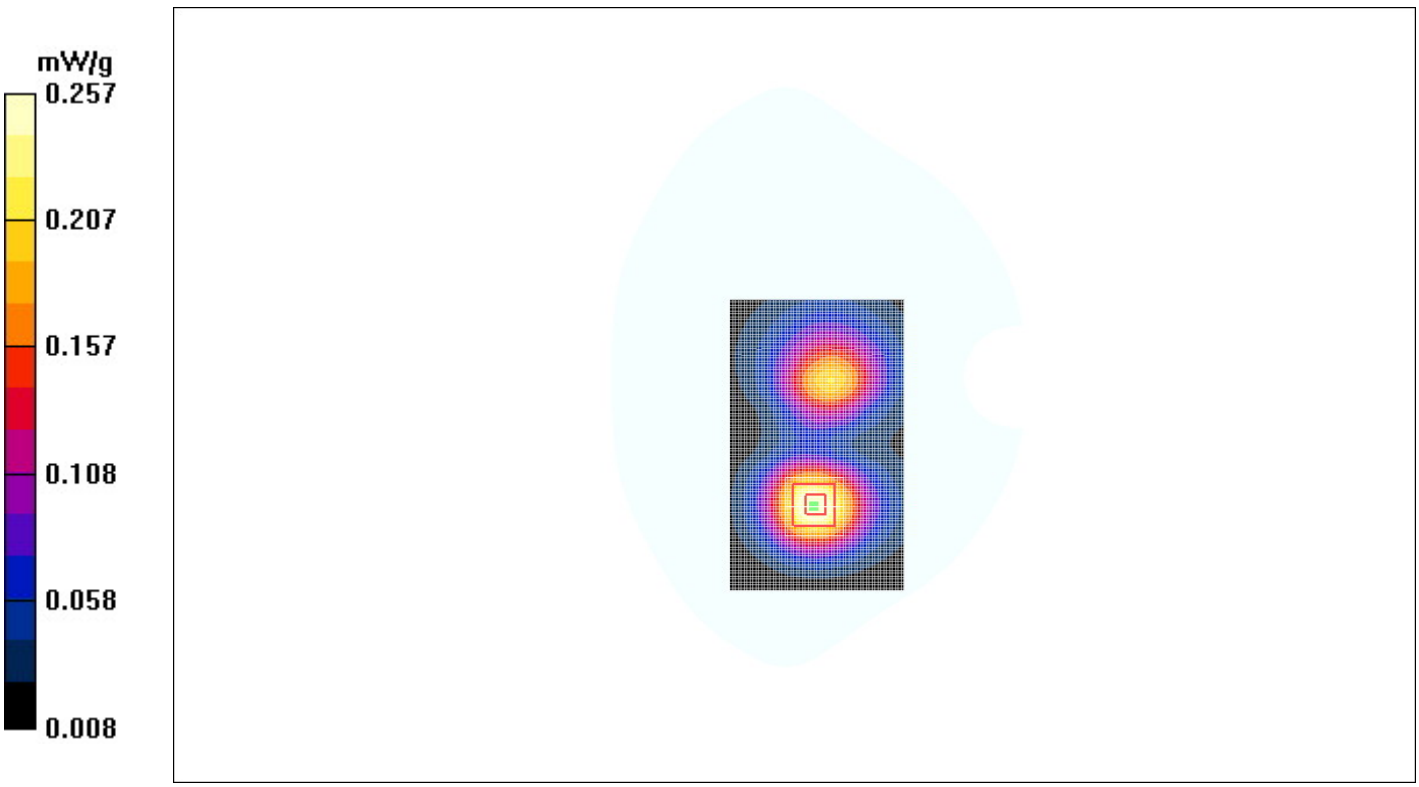


Figure. 31 Body, Towards Phantom, CDMA PCS Channel 1175

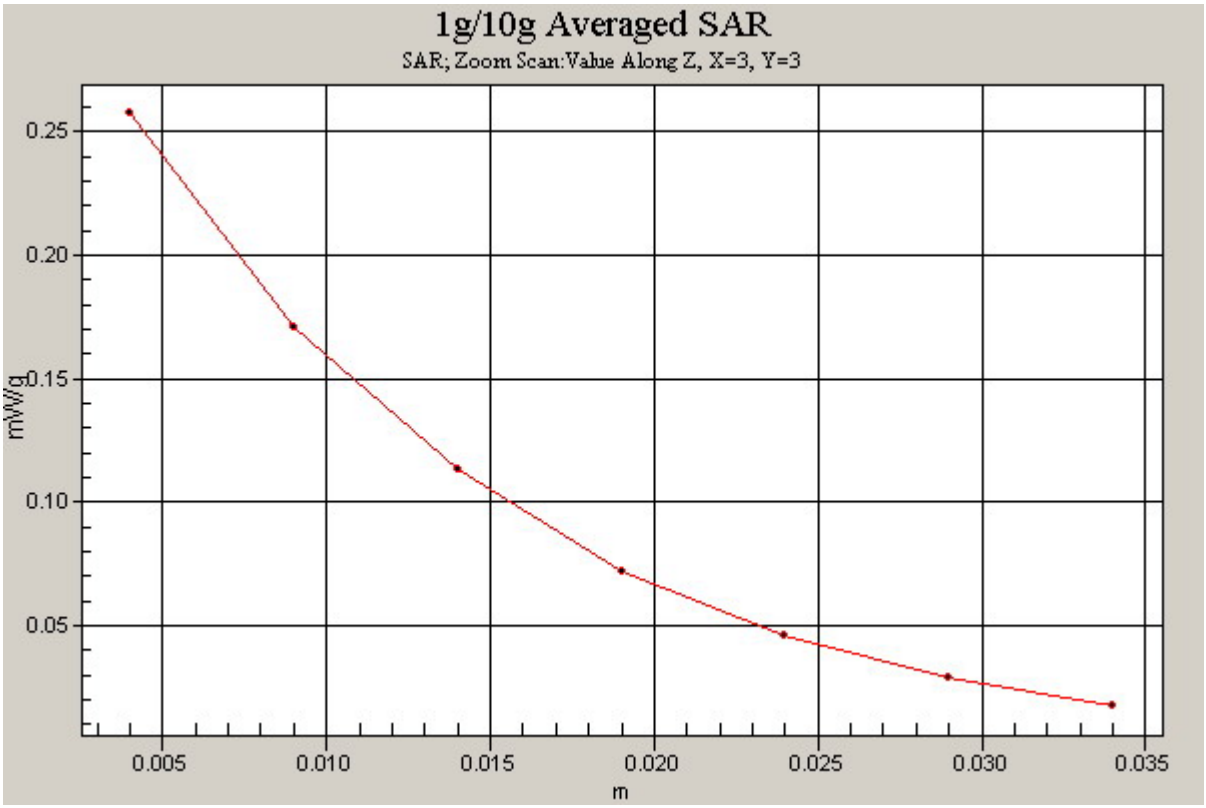


Figure. 32 Z-Scan at power reference point (Body, Towards Phantom, CDMA PCS Channel 1175)

CDMA PCS Towards Phantom Middle
Communication System: CDMA PCS; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: Body 1900MHz
Medium parameters used: f = 1880 MHz; σ = 1.51 mho/m; ε_r = 52.6; ρ = 1000 kg/m^3
- Probe: ET3DV6 - SN1737; ConvF(4.64, 4.64, 4.64);
- Electronics: DAE3 Sn452;

Towards Phantom Middle/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.275 mW/g

Towards Phantom Middle/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 12.1 V/m; Power Drift = -0.071 dB
Peak SAR (extrapolated) = 0.375 W/kg
SAR(1 g) = 0.252 mW/g; SAR(10 g) = 0.159 mW/g
Maximum value of SAR (measured) = 0.273 mW/g

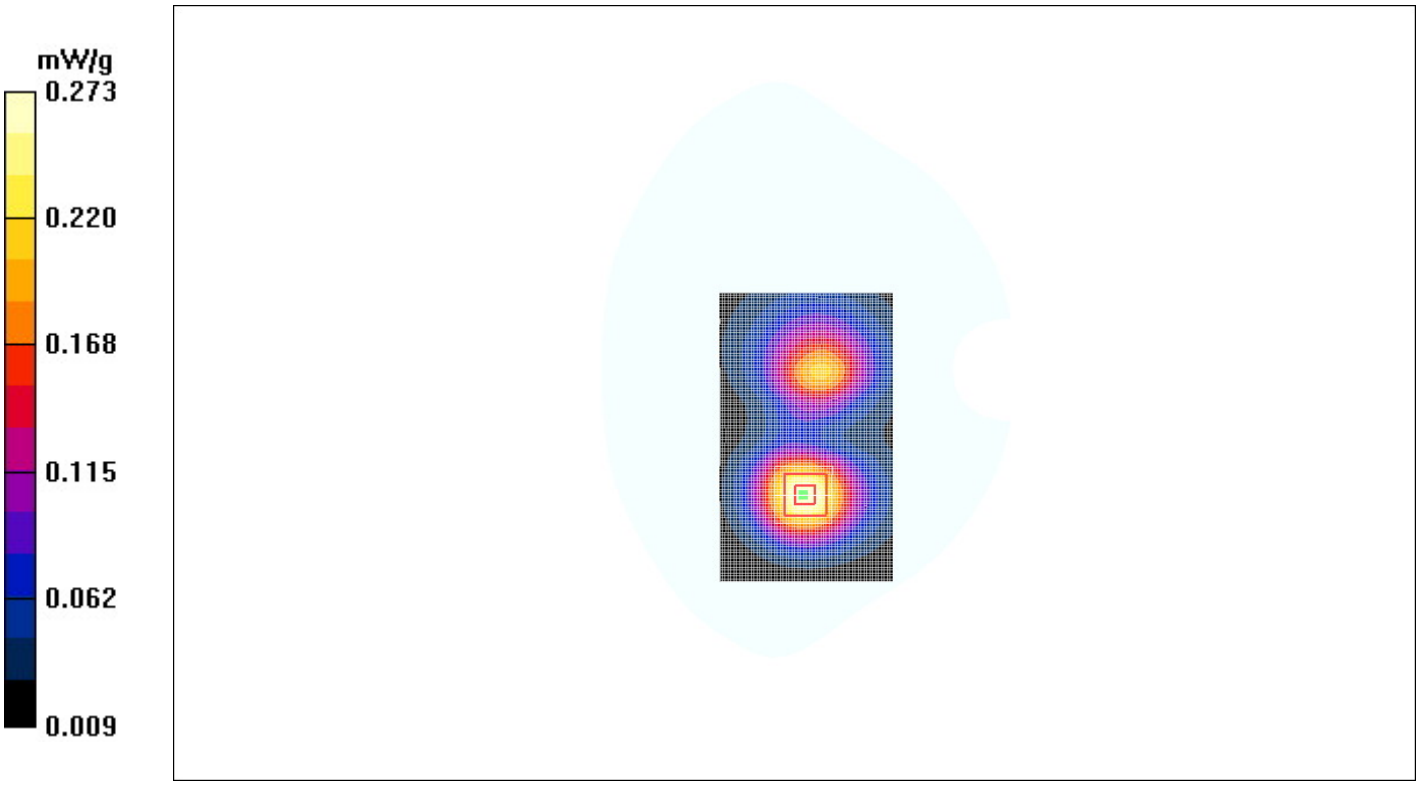


Figure. 33 Body, Towards Phantom, CDMA PCS Channel 600

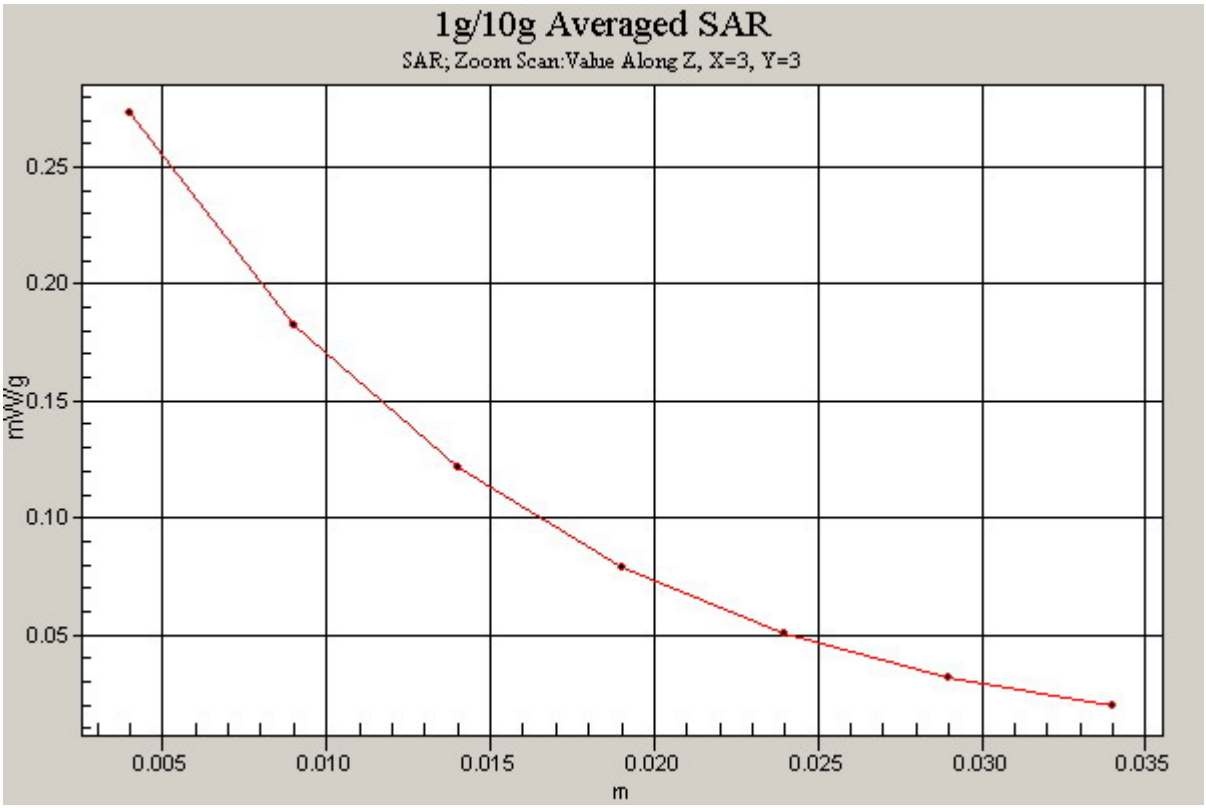


Figure. 34 Z-Scan at power reference point (Body, Towards Phantom, CDMA PCS Channel 600)

CDMA PCS Towards Phantom Low
Communication System: CDMA PCS; Frequency: 1851.25 MHz;Duty Cycle: 1:1
Medium: Body 1900MHz
Medium parameters used: f = 1852 MHz; σ = 1.48 mho/m; ε_r = 52.5; ρ = 1000 kg/m^3
- Probe: ET3DV6 - SN1737; ConvF(4.64, 4.64, 4.64);
- Electronics: DAE3 Sn452;

Towards Phantom Low/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.264 mW/g

Towards Phantom Low/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 11.3 V/m; Power Drift = -0.003 dB
Peak SAR (extrapolated) = 0.351 W/kg
SAR(1 g) = 0.239 mW/g; SAR(10 g) = 0.152 mW/g
Maximum value of SAR (measured) = 0.259 mW/g

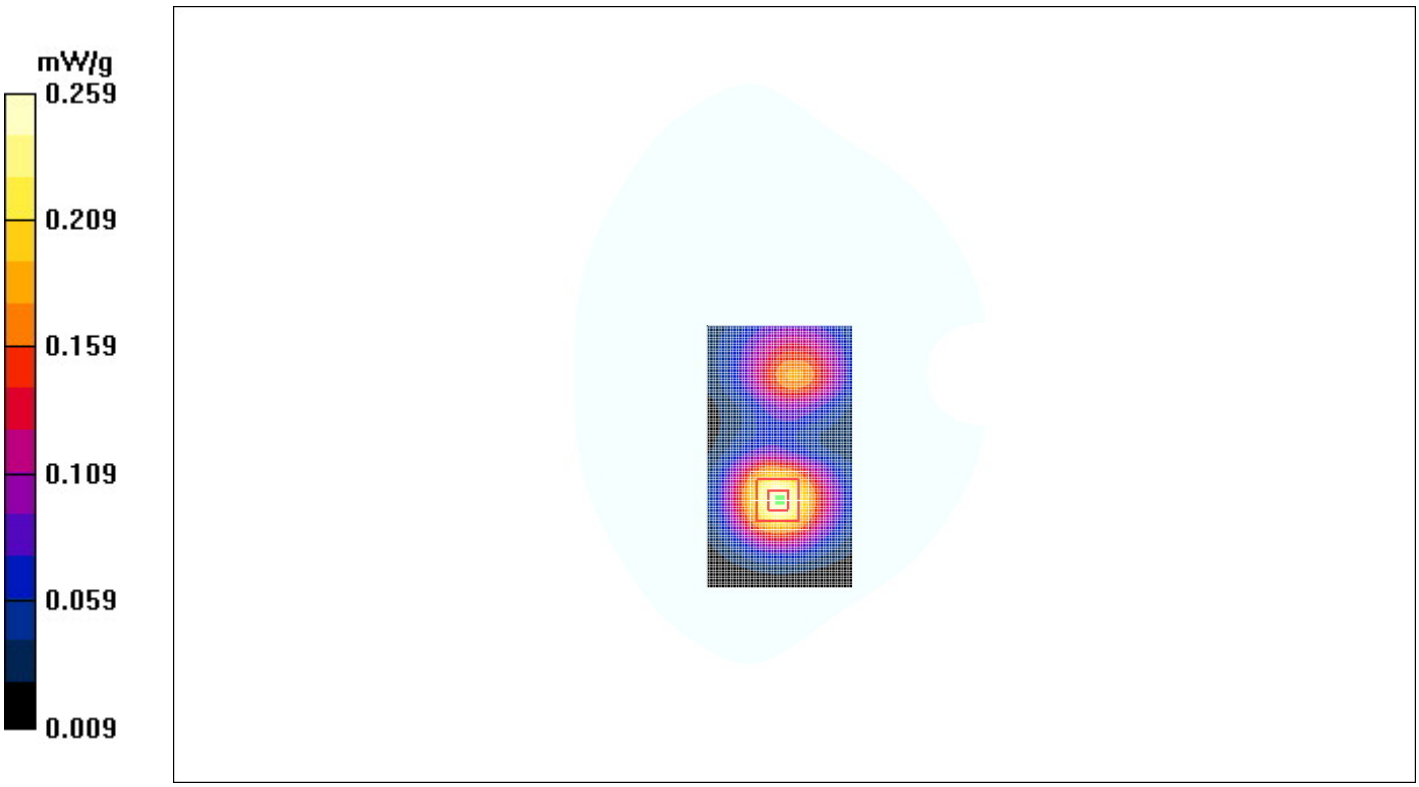


Figure. 35 Body, Towards Phantom, CDMA PCS Channel 25

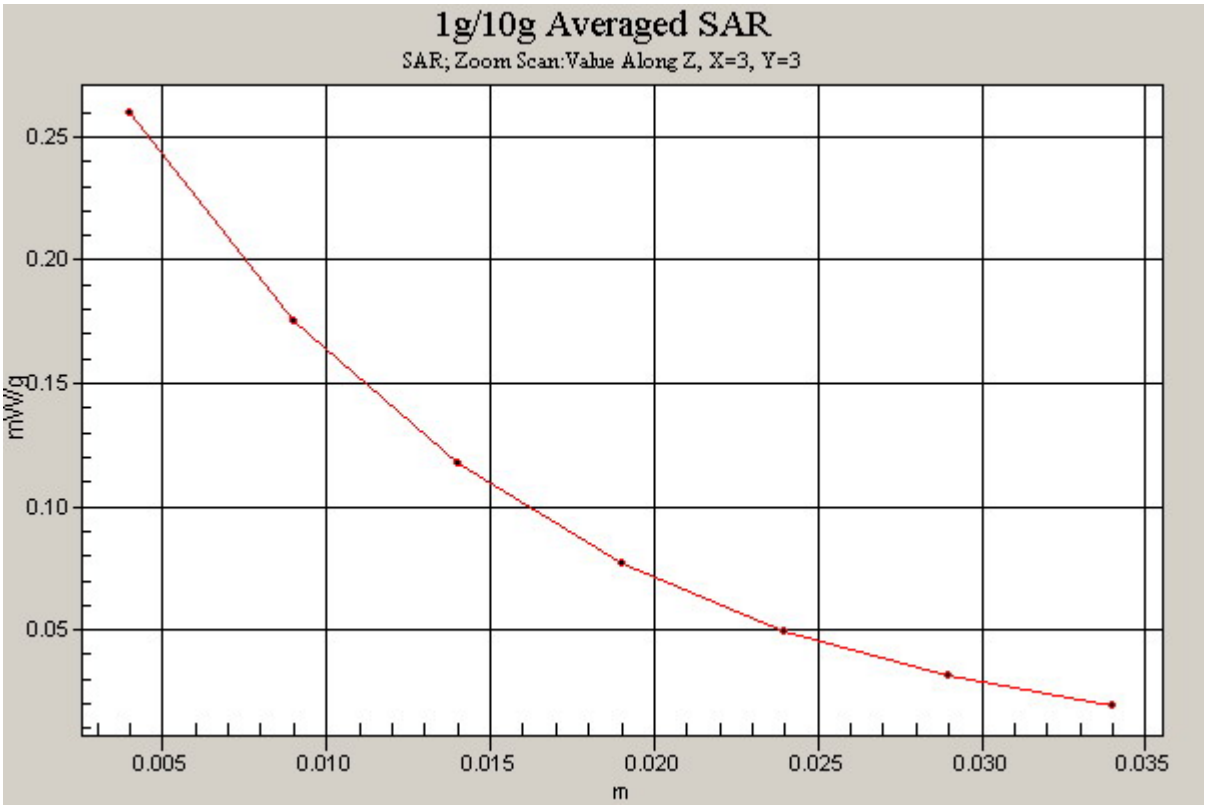


Figure. 36 Z-Scan at power reference point (Body, Towards Phantom, CDMA PCS Channel 25)

CDMA PCS Towards Ground High

Communication System: CDMA PCS; Frequency: 1908.75 MHz;Duty Cycle: 1:1

Medium: Body 1900MHz

Medium parameters used (interpolated): f = 1908.75 MHz; σ = 1.52 mho/m; ε_r = 52.5; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1737; ConvF(4.64, 4.64, 4.64);
- Electronics: DAE3 Sn452;

Towards Ground High/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.564 mW/g

Towards Ground High/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 17.5 V/m; Power Drift = 0.062 dB

Peak SAR (extrapolated) = 0.686 W/kg

SAR(1 g) = 0.442 mW/g; SAR(10 g) = 0.270 mW/g

Maximum value of SAR (measured) = 0.479 mW/g

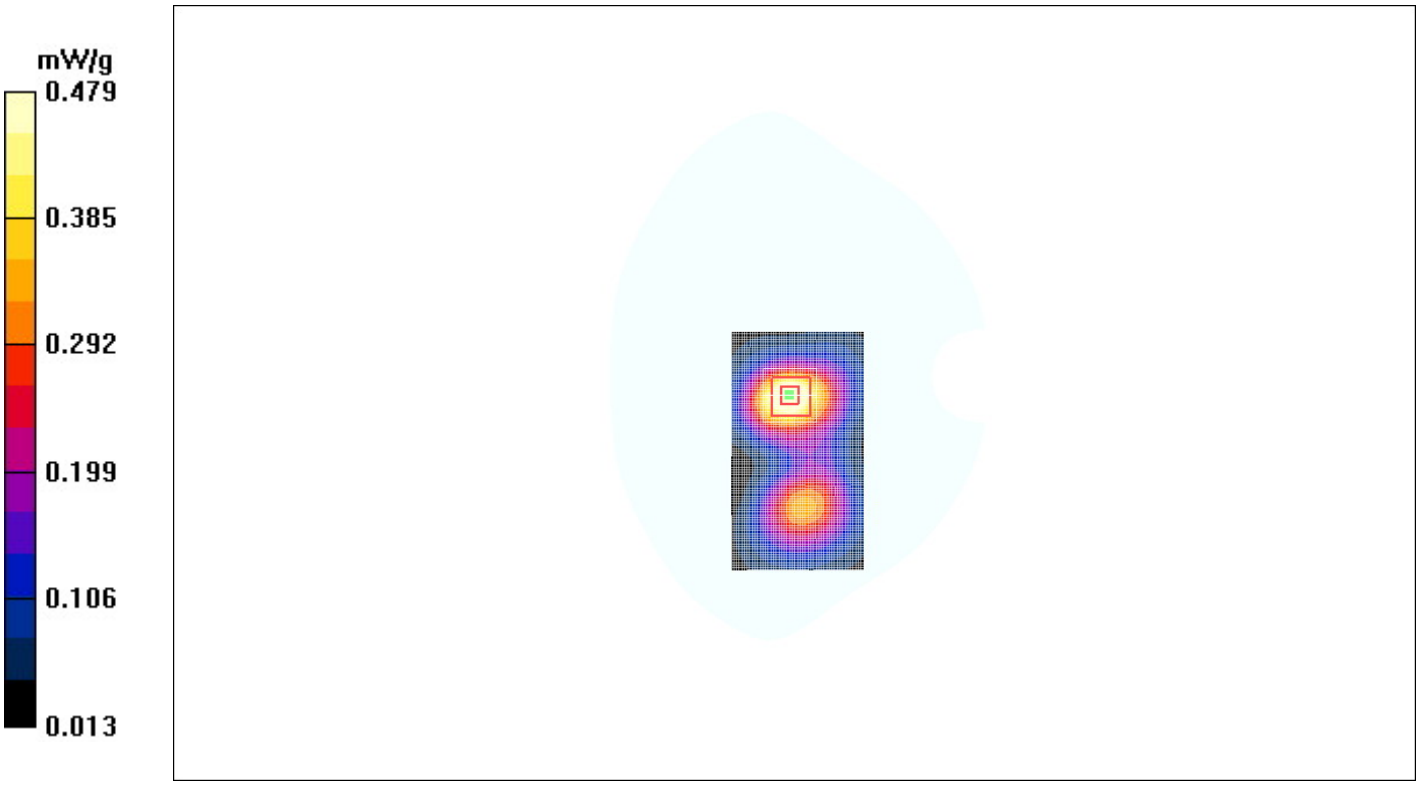


Figure. 37 Body, Towards Ground, CDMA PCS Channel 1175

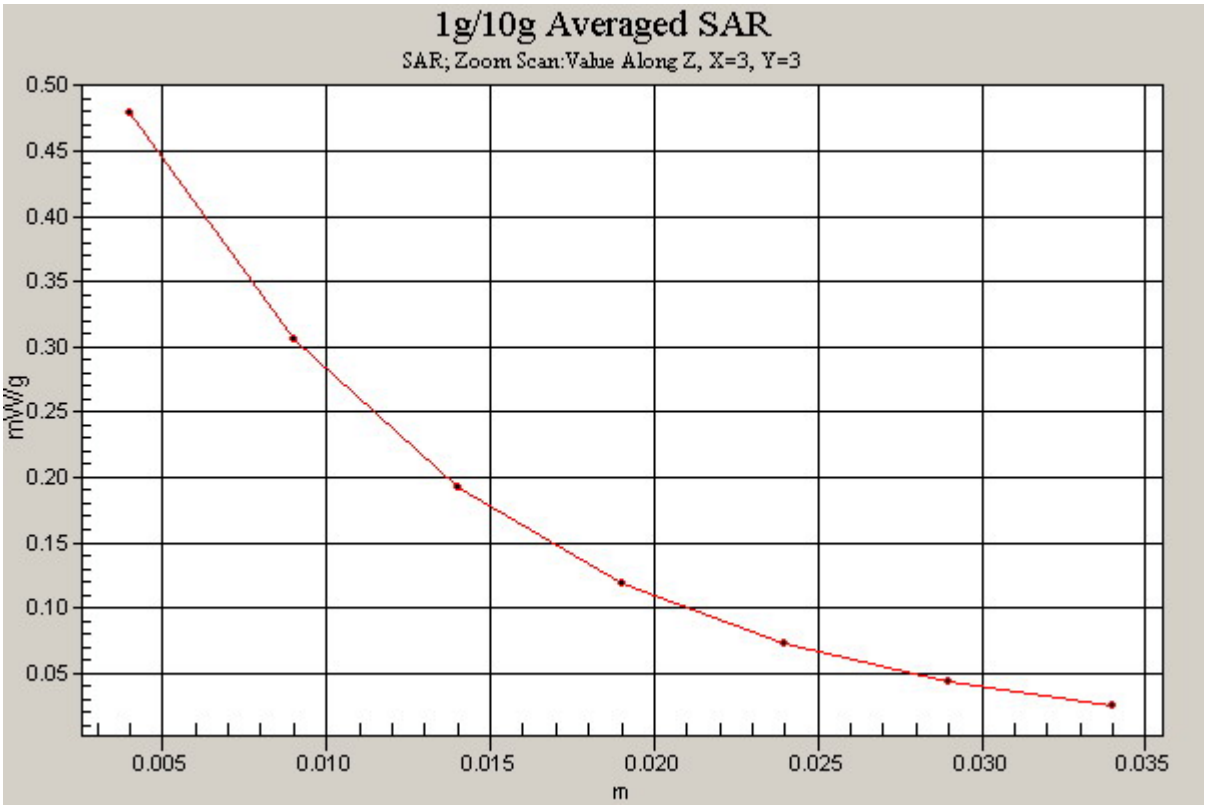


Figure. 38 Z-Scan at power reference point (Body, Towards Ground, CDMA PCS Channel 1175)

CDMA PCS Towards Ground Middle
Communication System: CDMA PCS; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: Body 1900MHz
Medium parameters used: f = 1880 MHz; σ = 1.51 mho/m; ε_r = 52.6; ρ = 1000 kg/m^3
- Probe: ET3DV6 - SN1737; ConvF(4.64, 4.64, 4.64);
- Electronics: DAE3 Sn452;

Towards Ground Middle/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.589 mW/g

Towards Ground Middle/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 17.6 V/m; Power Drift = -0.042 dB
Peak SAR (extrapolated) = 0.738 W/kg
SAR(1 g) = 0.477 mW/g; SAR(10 g) = 0.292 mW/g
Maximum value of SAR (measured) = 0.516 mW/g

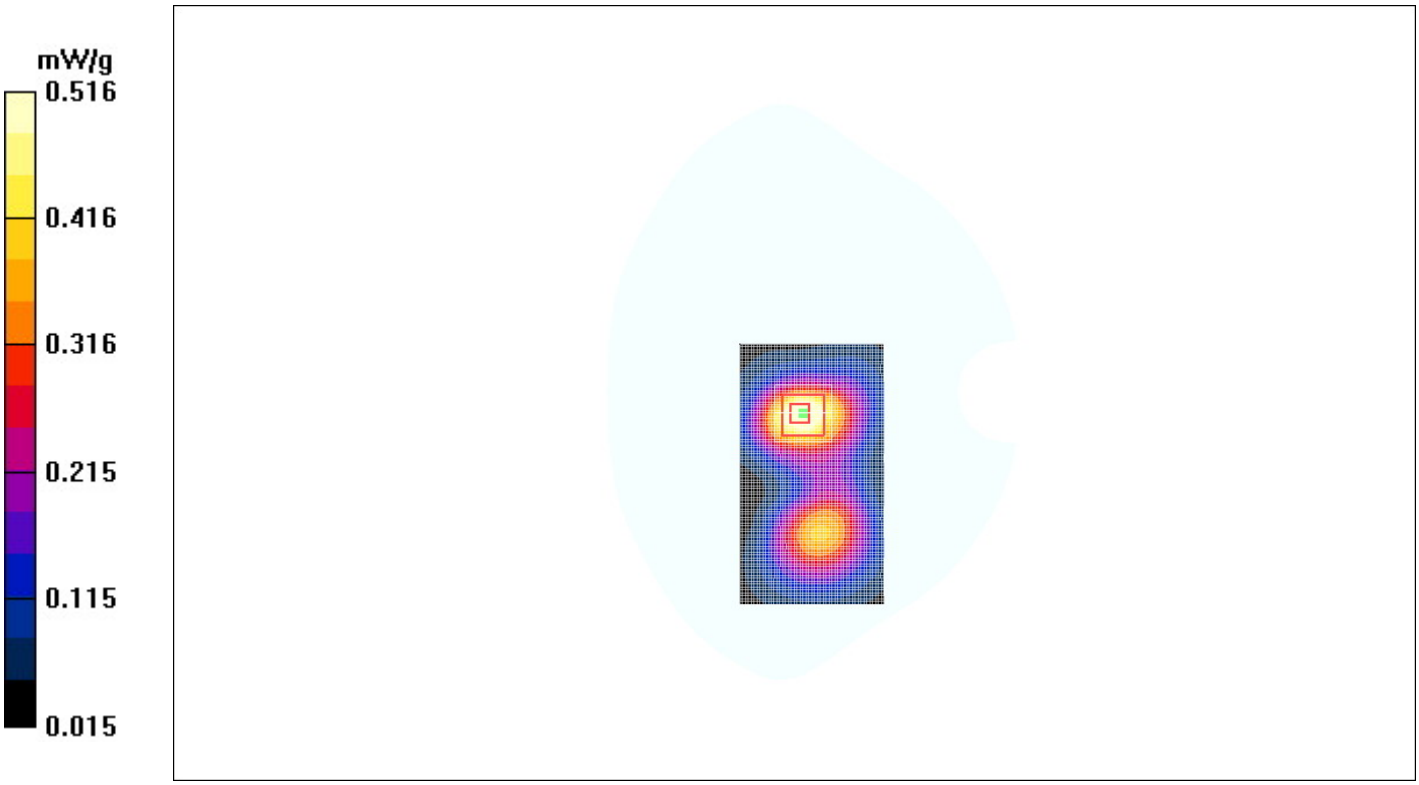


Figure. 39 Body, Towards Ground, CDMA PCS Channel 600

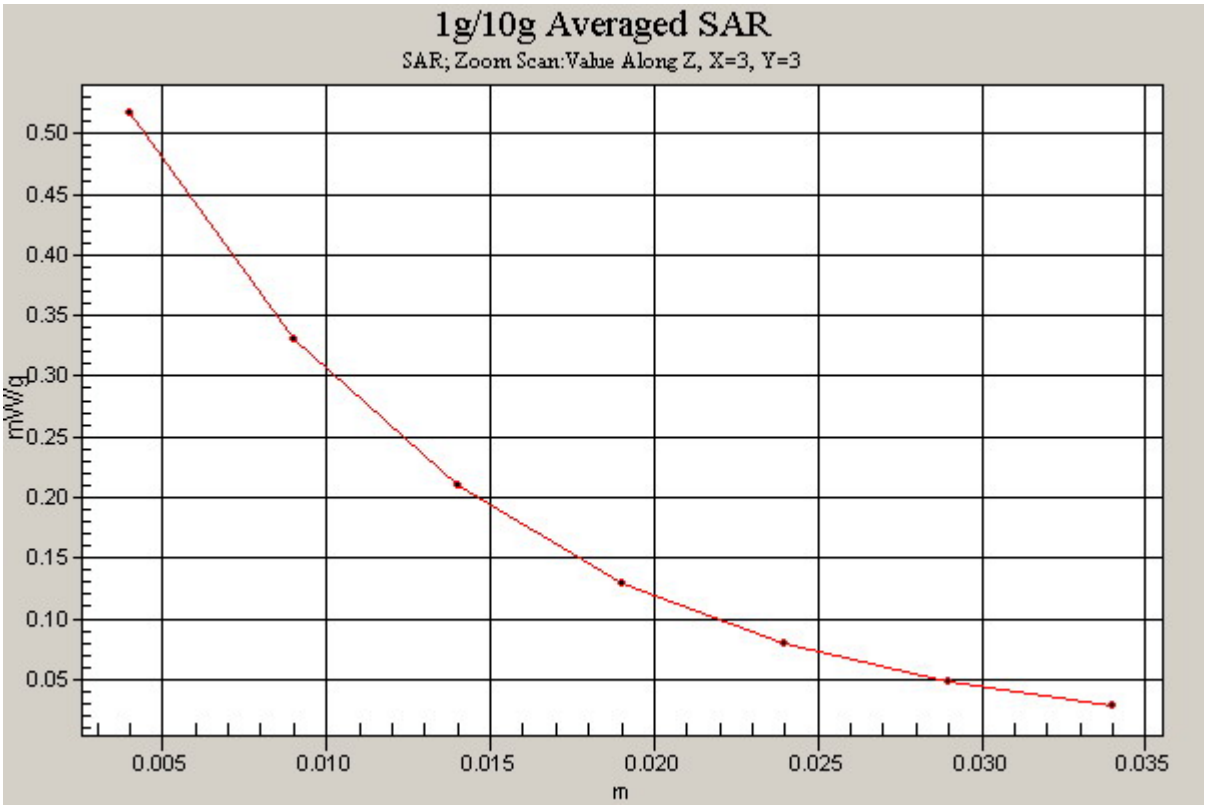


Figure. 40 Z-Scan at power reference point (Body, Towards Ground, CDMA PCS Channel 600)

CDMA PCS Towards Ground Low
Communication System: CDMA PCS; Frequency: 1851.25 MHz;Duty Cycle: 1:1
Medium: Body 1900MHz
Medium parameters used: f = 1852 MHz; σ = 1.48 mho/m; ε_r = 52.5; ρ = 1000 kg/m^3
- Probe: ET3DV6 - SN1737; ConvF(4.64, 4.64, 4.64);
- Electronics: DAE3 Sn452;

Towards Ground Low/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.541 mW/g

Towards Ground Low/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 16.9 V/m; Power Drift = -0.015 dB
Peak SAR (extrapolated) = 0.681 W/kg
SAR(1 g) = 0.441 mW/g; SAR(10 g) = 0.266 mW/g
Maximum value of SAR (measured) = 0.479 mW/g

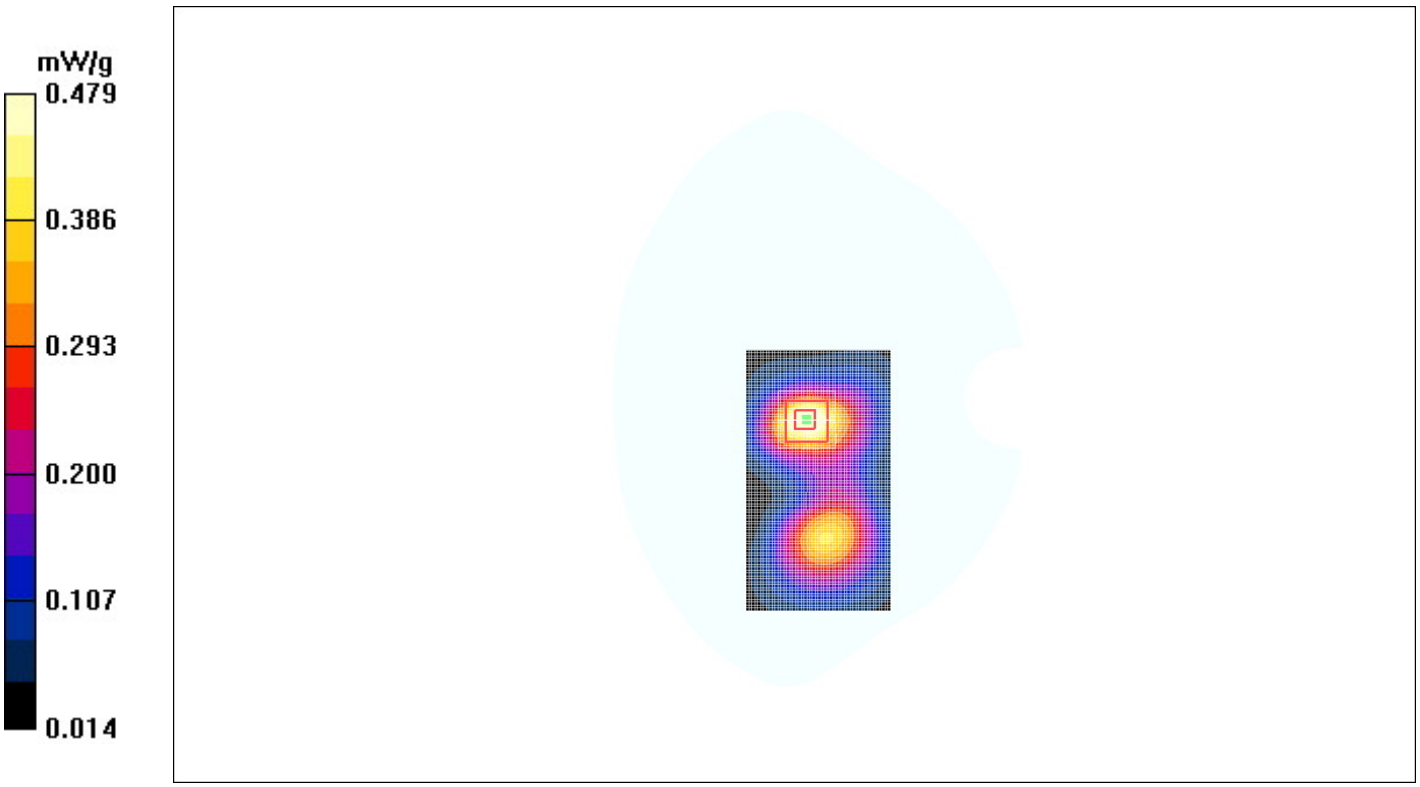


Figure. 41 Body, Towards Ground, CDMA PCS Channel 25

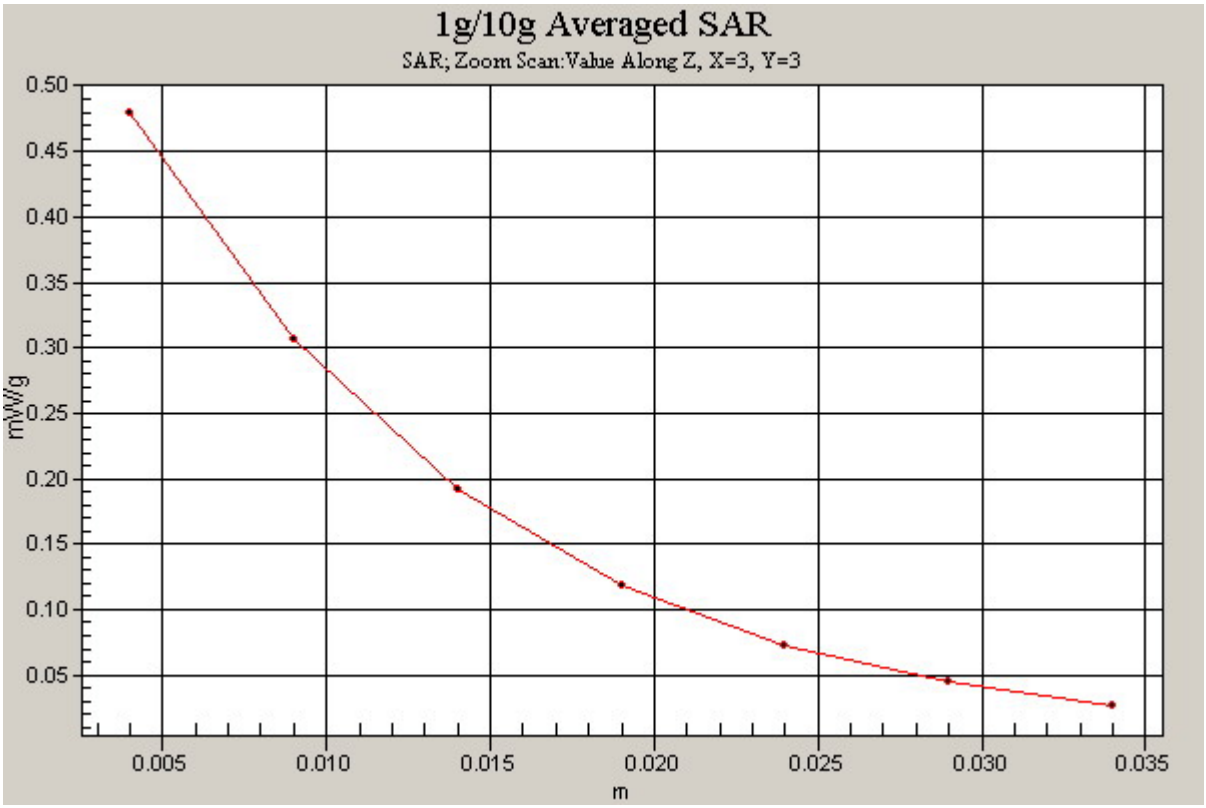


Figure. 42 Z-Scan at power reference point (Body, Towards Ground, CDMA PCS Channel 25)

ANNEX D： SYSTEM VALIDATION RESULTS

System Performance Check at 1900 MHz

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2 - SN: 541

Communication System: CW; Frequency: 1900 MHz;Duty Cycle: 1:1

Medium: Head1900 MHz

Medium parameters used: f = 1900 MHz; σ = 1.42 mho/m; ε_r = 39.4; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1737; ConvF(4.64, 4.64, 4.64);
- Electronics: DAE3 Sn452;

d=10mm, Pin=250mW/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 11.7 mW/g

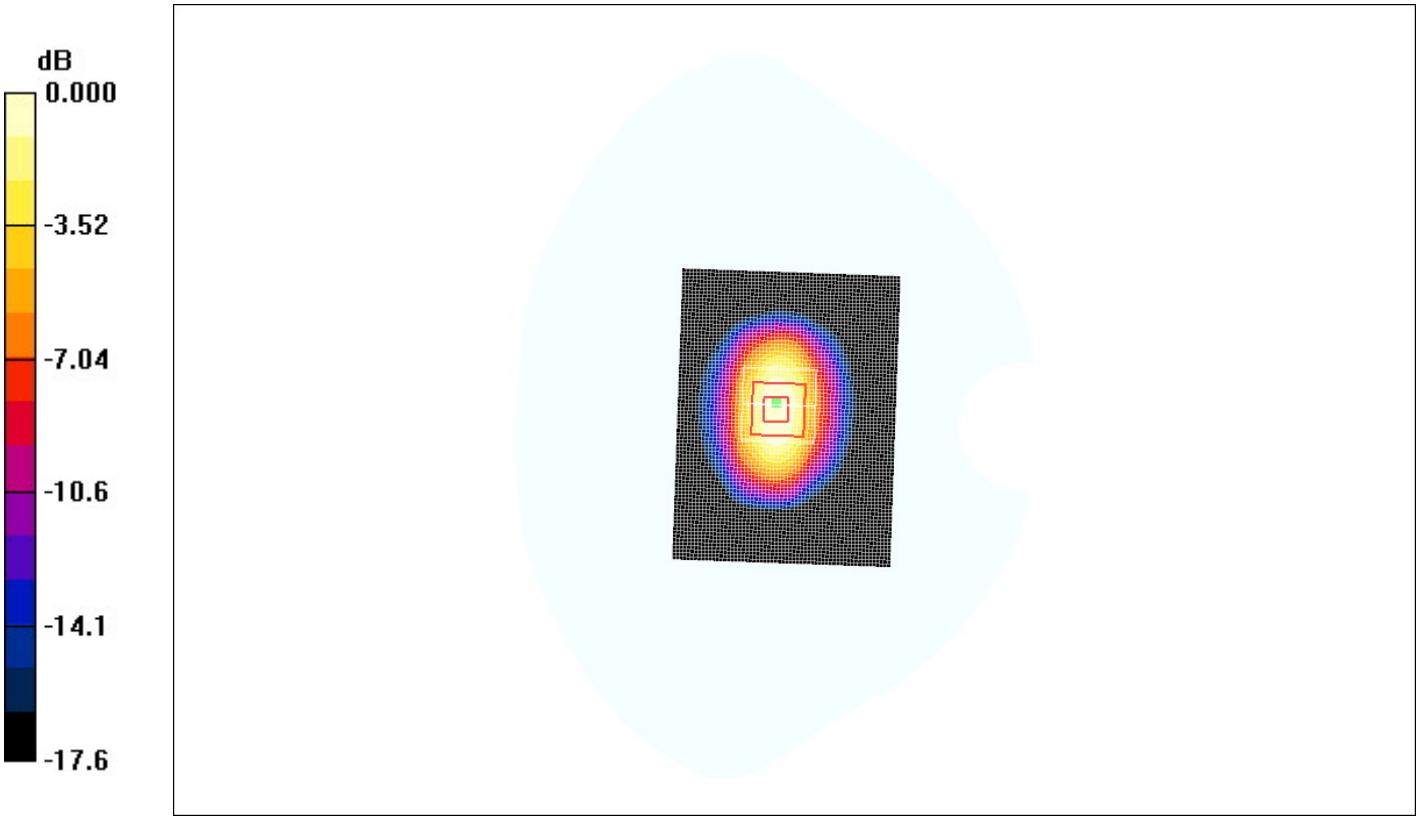
d=10mm, Pin=250mW/Zoom Scan (7x7x7) /Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 92.4 V/m; Power Drift = -0.045 dB

Peak SAR (extrapolated) = 16.8 W/kg

SAR(1 g) = 9.69 mW/g; SAR(10 g) = 5.12 mW/g

Maximum value of SAR (measured) = 10.9 mW/g



0 dB = 10.9mW/g

Figure.43 System Performance Check 1900MHz 250mW

ANNEX E： PROBE CALIBRATION CERTIFICATE

Calibration Laboratory of
Schmid & Partner
Engineering AG
Zeughausstrasse 43, 8004 Zurich, Switzerland

S Schweizerischer Kalibrierdienst
C Service suisse d'étalonnage
S Servizio svizzero di taratura
S Swiss Calibration Service

Accredited by the Swiss Federal Office of Metrology and Accreditation
The Swiss Accreditation Service is one of the signatories to the EA Multilateral Agreement for the recognition of calibration certificates

Accreditation No.: SCS 108

Client TMC-Auden

Certificate No: ET3-1737_Feb07

CALIBRATION CERTIFICATE

Object	ET3DV6 - SN:1737
Calibration procedure(s)	QA CAL-01.v5 Calibration procedure for dosimetric E-field probes
Calibration date:	February 19, 2007
Condition of the calibrated item	In Tolerance

This calibration certificate documents the traceability to national standards, which realize the physical units of measurements (SI).
The measurements and the uncertainties with confidence probability are given on the following pages and are part of the certificate.

All calibrations have been conducted in the closed laboratory facility: environment temperature (22 ± 3)°C and humidity < 70%.

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID #	Cal Date (Calibrated by, Certificate No.)	Scheduled Calibration
Power meter E4419B	GB41293874	5-Apr-06 (METAS, No. 251-00557)	Apr-07
Power sensor E4412A	MY41495277	5-Apr-06 (METAS, No. 251-00557)	Apr-07
Power sensor E4412A	MY41498087	5-Apr-06 (METAS, No. 251-00557)	Apr-07
Reference 3 dB Attenuator	SN: S5054 (3c)	10-Aug-06 (METAS, No. 217-00592)	Aug-07
Reference 20 dB Attenuator	SN: S5086 (20b)	4-Apr-06 (METAS, No. 251-00558)	Apr-07
Reference 30 dB Attenuator	SN: S5129 (30b)	10-Aug-06 (METAS, No. 217-00593)	Aug-07
Reference Probe ES3DV2	SN: 3013	4-Jan-07 (SPEAG, No. ES3-3013_Jan07)	Jan-08
DAE4	SN: 654	21-Jun-06 (SPEAG, No. DAE4-654_Jun06)	Jun-07

Secondary Standards	ID #	Check Date (in house)	Scheduled Check
RF generator HP 8648C	US3642U01700	4-Aug-99 (SPEAG, in house check Nov-05)	In house check: Nov-07
Network Analyzer HP 8753E	US37390585	18-Oct-01 (SPEAG, in house check Oct-06)	In house check: Oct-07

	Name	Function	Signature
Calibrated by:	Katja Pokovic	Technical Manager	
Approved by:	Niels Kuster	Quality Manager	

Issued: February 19, 2007

This calibration certificate shall not be reproduced except in full without written approval of the laboratory.