

ATTACHMENT O – SAR TEST PLOTS (3 of 3)

Test Laboratory: HCT

Company : PANTECH&CURITEL COMMUNICATIONS, INC.

Mode : CDMA835(Body) / Antenna : in / Channel:363

Liquid Temperature : 21.5 °C

Date Tested : July 04, 2006

DUT: TX-215 (Body); Type: Folder; Serial: #1

Communication System: CDMA 835MHz FCC; Frequency: 835.89 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 835.89 \text{ MHz}$; $\sigma = 0.963 \text{ mho/m}$; $\epsilon_r = 56.9$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section ; Measurement SW: DASY4, V4.7 Build 44

DASY4 Configuration:

- Probe: ET3DV6 - SN1607; ConvF(6.27, 6.27, 6.27); Calibrated: 2005-08-30

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

- Electronics: DAE3 Sn446; Calibrated: 2006-03-17

- Phantom: SAM 835/900 MHz; Type: SAM

CDMA Body 363/Area Scan (51x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Maximum value of SAR (interpolated) = 0.391 mW/g

CDMA Body 363/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

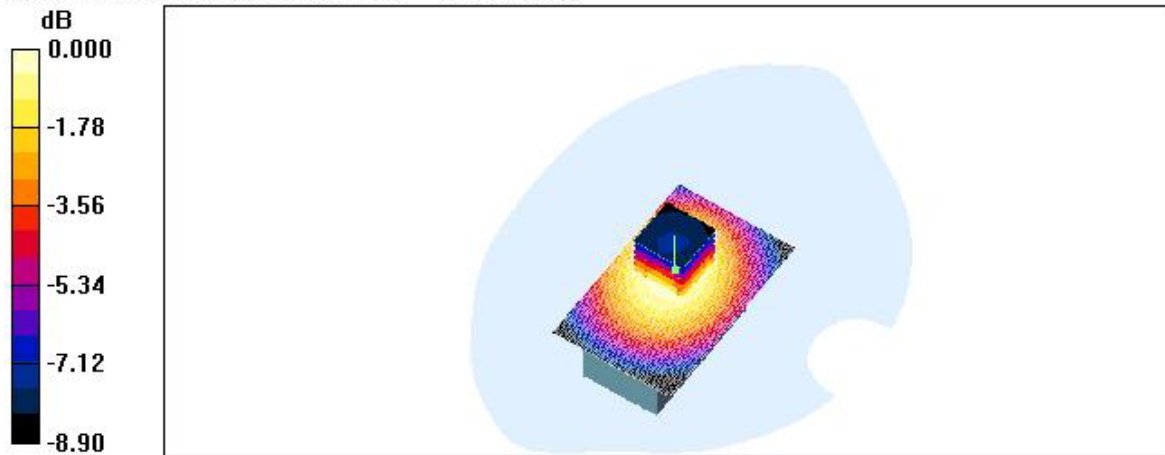
Reference Value = 19.7 V/m; Power Drift = -0.184 dB

Peak SAR (extrapolated) = 0.477 W/kg

SAR(1 g) = 0.367 mW/g; SAR(10 g) = 0.267 mW/g

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

Maximum value of SAR (measured) = 0.388 mW/g



0 dB = 0.388mW/g

Test Laboratory: HCT

Company : PANTECH&CURITEL COMMUNICATIONS, INC.

Mode : CDMA835(Body) / Antenna : out / Channel:363

Liquid Temperature : 21.5℃

Date Tested : July 04, 2006

DUT: TX-215 (Body); Type: Folder; Serial: #1

Communication System: CDMA 835MHz FCC, Frequency: 835.89 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 835.89 \text{ MHz}$; $\sigma = 0.963 \text{ mho/m}$; $\epsilon_r = 56.9$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section ; Measurement SW: DASY4, V4.7 Build 44

DASY4 Configuration:

- Probe: ET3DV6 - SN1607; ConvF(6.27, 6.27, 6.27); Calibrated: 2005-08-30

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

- Electronics: DAE3 Sn446; Calibrated: 2006-03-17

- Phantom: SAM 835/900 MHz; Type: SAM

CDMA Body 363/Area Scan (51x111x1): Measurement grid: $\Delta x = 15\text{mm}$, $\Delta y = 15\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (interpolated) = 0.560 mW/g

CDMA Body 363/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $\Delta x = 8\text{mm}$, $\Delta y = 8\text{mm}$, $\Delta z = 5\text{mm}$

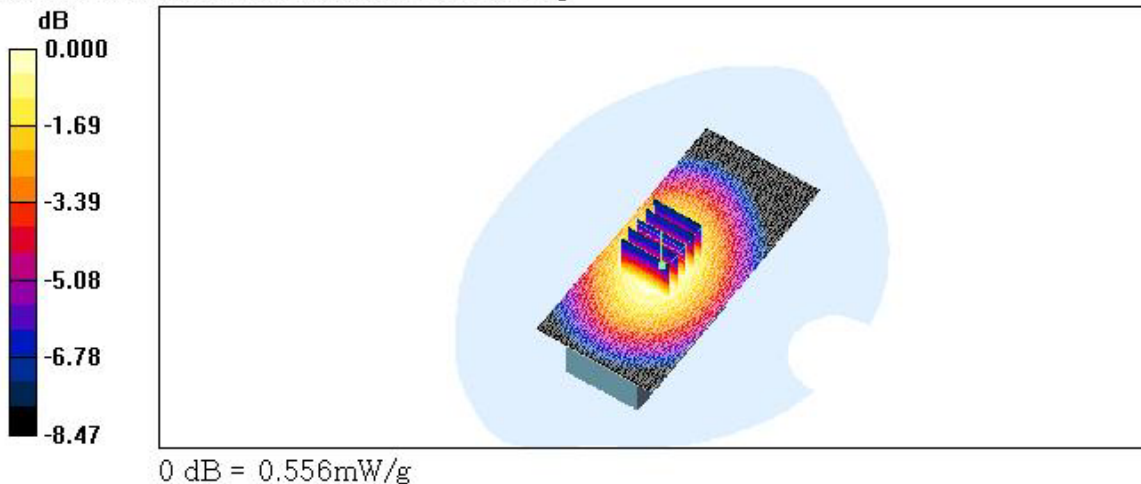
Reference Value = 23.8 V/m; Power Drift = -0.054 dB

Peak SAR (extrapolated) = 0.681 W/kg

SAR(1 g) = 0.525 mW/g; SAR(10 g) = 0.383 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

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



Test Laboratory: HCT

Company : PANTECH&CURITEL COMMUNICATIONS, INC.
Mode : CDMA835(Body) / Antenna : out / Channel : 363(E-battery)
Liquid Temperature : 21.5℃
Date Tested : July 04, 2006

DUT: TX-215 (Body); Type: Folder; Serial: #1

Communication System: CDMA 835MHz FCC; Frequency: 835.89 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 835.89$ MHz; $\sigma = 0.963$ mho/m; $\epsilon_r = 56.9$; $\rho = 1000$ kg/m³
Phantom section: Flat Section ; Measurement SW: DASY4, V4.7 Build 44

DASY4 Configuration:

- Probe: ET3DV6 - SN1607; ConvF(6.27, 6.27, 6.27); Calibrated: 2005-08-30
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn446; Calibrated: 2006-03-17
- Phantom: SAM 835/900 MHz; Type: SAM

CDMA Body 363/Area Scan (51x111x1): Measurement grid: $\Delta x = 15$ mm, $\Delta y = 15$ mm

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (interpolated) = 0.484 mW/g

CDMA Body 363/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $\Delta x = 8$ mm, $\Delta y = 8$ mm, $\Delta z = 5$ mm

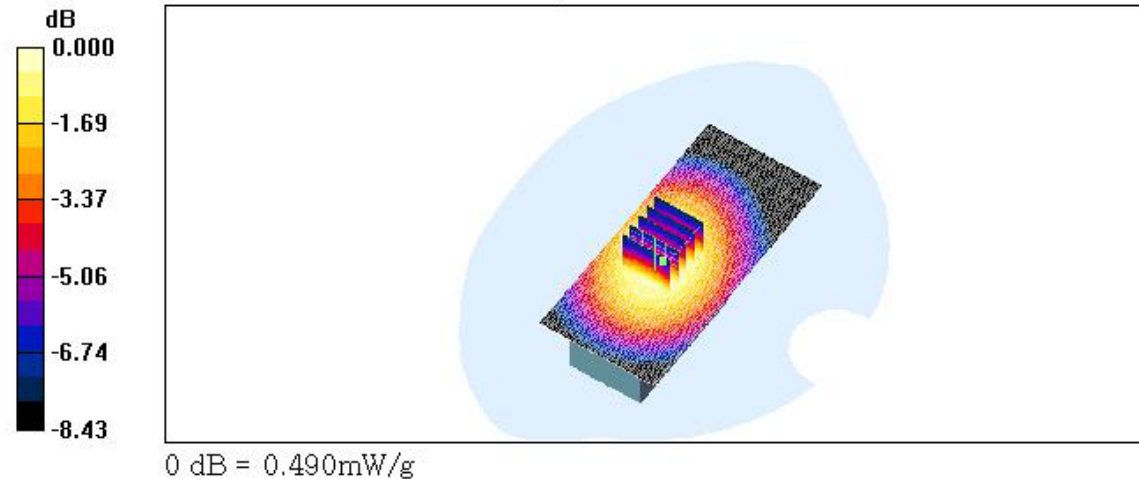
Reference Value = 22.5 V/m; Power Drift = 0.034 dB

Peak SAR (extrapolated) = 0.593 W/kg

SAR(1 g) = 0.469 mW/g; SAR(10 g) = 0.346 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.490 mW/g



Test Laboratory: HCT

Company : PANTECH&CURITEL COMMUNICATIONS, INC.
Mode : PCS1900(Body) / Antenna : in / Channel:600
Liquid Temperature : 21.6 °C
Date Tested : July 05, 2006

DUT: TX-215 (Body); Type: Folder; Serial: #1

Communication System: PCS 1900MHz FCC; Frequency: 1880 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.53 \text{ mho/m}$; $\epsilon_r = 52.9$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section ; Measurement SW: DASY4, V4.7 Build 44

DASY4 Configuration:

- Probe: ET3DV6 - SN1607; ConvF(4.44, 4.44, 4.44); Calibrated: 2005-08-30
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn446; Calibrated: 2006-03-17
- Phantom: SAM 1800/1900 MHz; Type: SAM

CDMA Body 600/Area Scan (51x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.300 mW/g

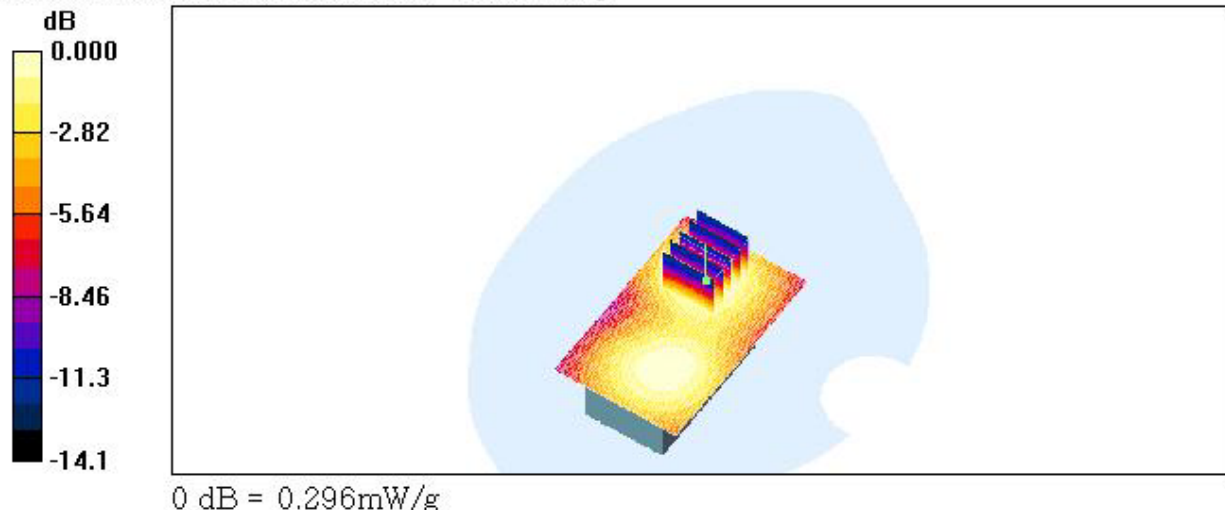
CDMA Body 600/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 13.6 V/m; Power Drift = -0.012 dB

Peak SAR (extrapolated) = 0.410 W/kg

SAR(1 g) = 0.275 mW/g; SAR(10 g) = 0.173 mW/g

Maximum value of SAR (measured) = 0.296 mW/g



Test Laboratory: HCT

Company : PANTECH&CURITEL COMMUNICATIONS, INC.
Mode : PCS1900(Body) / Antenna : out / Channel:600
Liquid Temperature : 21.6 °C
Date Tested : July 05, 2006

DUT: TX-215 (Body); Type: Folder; Serial: #1

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.53 \text{ mho/m}$; $\epsilon_r = 52.9$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section ; Measurement SW: DASY4, V4.7 Build 44

DASY4 Configuration:

- Probe: ET3DV6 - SN1607; ConvF(4.44, 4.44, 4.44); Calibrated: 2005-08-30
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn446; Calibrated: 2006-03-17
- Phantom: SAM 1800/1900 MHz; Type: SAM

PCS Body 600/Area Scan (51x111x1): Measurement grid: $\Delta x = 15\text{mm}$, $\Delta y = 15\text{mm}$

Maximum value of SAR (interpolated) = 0.428 mW/g

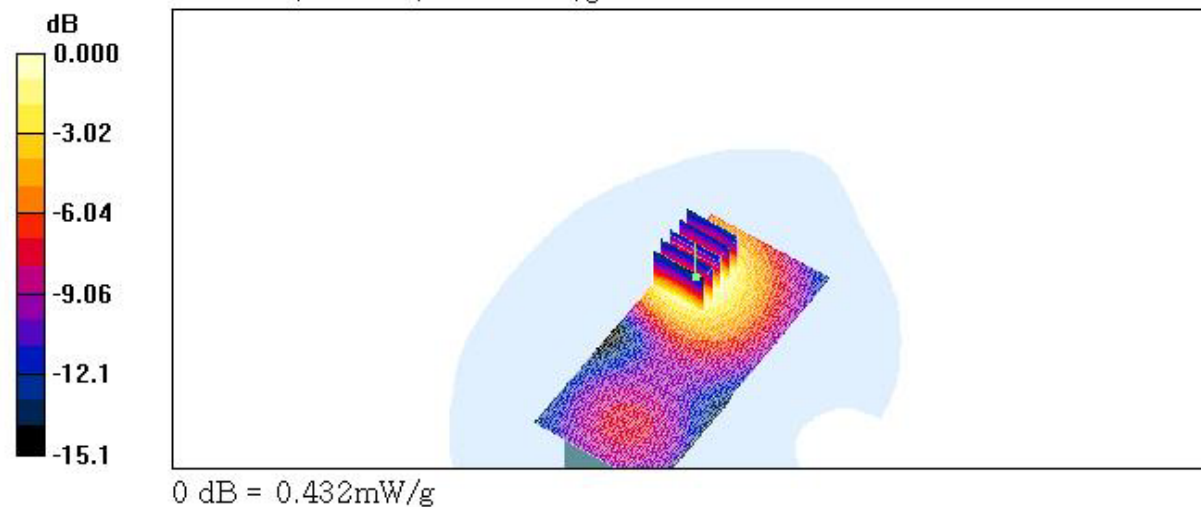
PCS Body 600/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $\Delta x = 8\text{mm}$, $\Delta y = 8\text{mm}$, $\Delta z = 5\text{mm}$

Reference Value = 6.83 V/m; Power Drift = -0.017 dB

Peak SAR (extrapolated) = 0.607 W/kg

SAR(1 g) = 0.399 mW/g; SAR(10 g) = 0.250 mW/g

Maximum value of SAR (measured) = 0.432 mW/g



Test Laboratory: HCT

Company : PANTECH&CURITEL COMMUNICATIONS, INC.
Mode : PCS1900(Body) / Antenna : out / Channel:600(E-battery)
Liquid Temperature : 21.6 °C
Date Tested : July 05, 2006

DUT: TX-215 (Body); Type: Folder; Serial: #1

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1880$ MHz; $\sigma = 1.53$ mho/m; $\epsilon_r = 52.9$; $\rho = 1000$ kg/m³
Phantom section: Flat Section ; Measurement SW: DASY4, V4.7 Build 44

DASY4 Configuration:

- Probe: ET3DV6 - SN1607; ConvF(4.44, 4.44, 4.44); Calibrated: 2005-08-30
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn446; Calibrated: 2006-03-17
- Phantom: SAM 1800/1900 MHz; Type: SAM

PCS Body 600/Area Scan (51x111x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (interpolated) = 0.433 mW/g

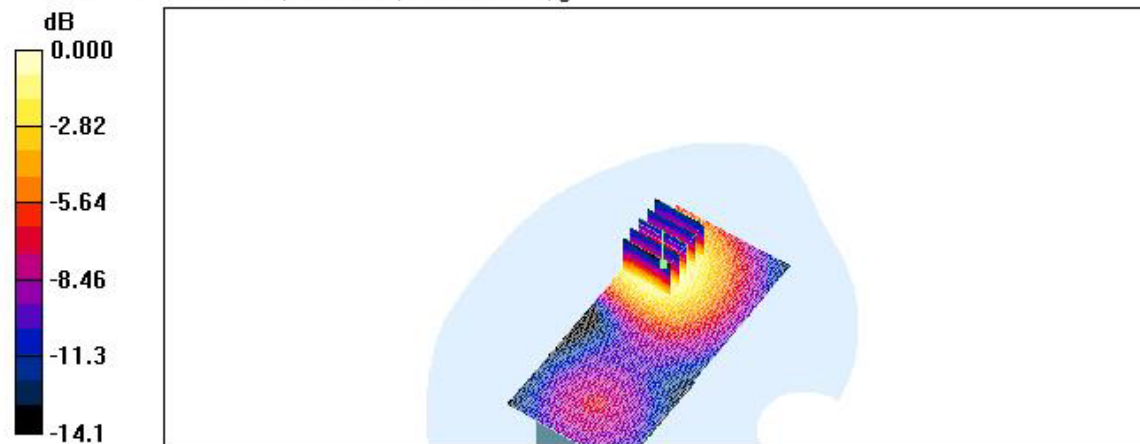
PCS Body 600/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 6.93 V/m; Power Drift = -0.114 dB

Peak SAR (extrapolated) = 0.603 W/kg

SAR(1 g) = 0.397 mW/g; SAR(10 g) = 0.249 mW/g

Maximum value of SAR (measured) = 0.430 mW/g



0 dB = 0.430mW/g

Test Laboratory: HCT

Company : PANTECH&CURITEL COMMUNICATIONS, INC.

Mode : CDMA 835 / Antenna : out / Channel:777

Liquid Temperature : 21.5℃

Date Tested : July 04, 2006

DUT: TX-215; Type: Folder; Serial: #1

Communication System: CDMA 835MHz FCC; Frequency: 848.31 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 848.31$ MHz; $\sigma = 0.886$ mho/m; $\epsilon_r = 40.7$; $\rho = 1000$ kg/m³

Phantom section: Right Section ; Measurement SW: DASY4, V4.7 Build 44

DASY4 Configuration:

- Probe: ET3DV6 - SN1607; ConvF(6.18, 6.18, 6.18); Calibrated: 2005-08-30

- Sensor-Surface: 0mm (Fix Surface)

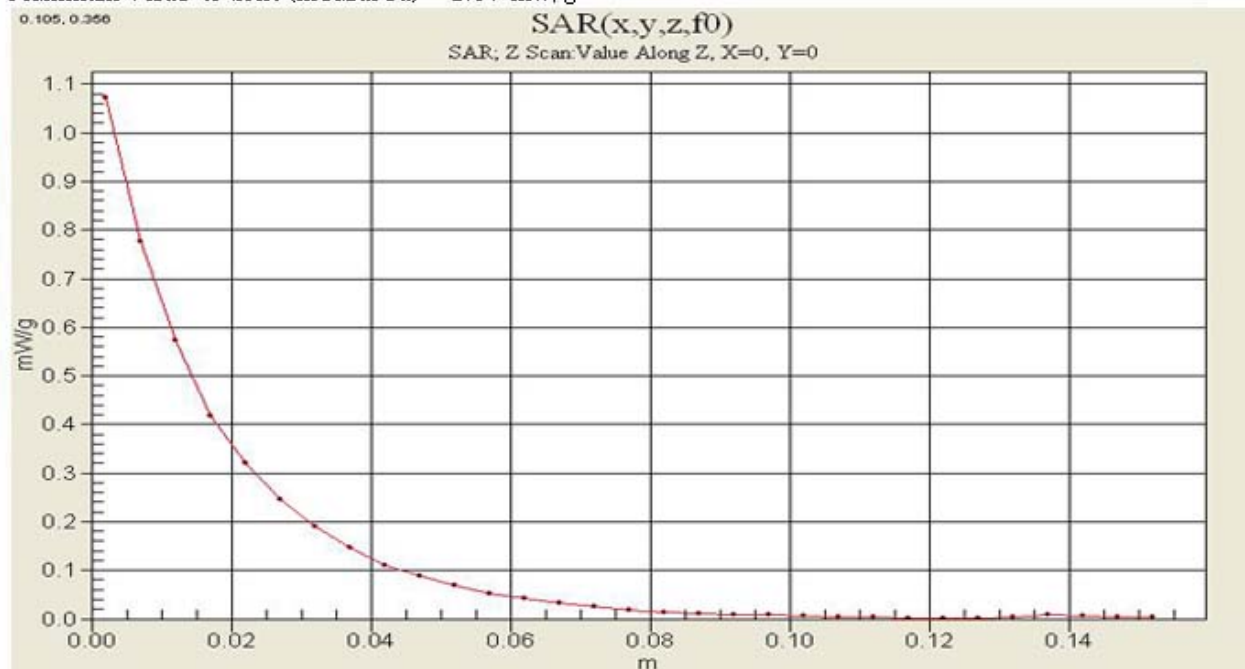
- Electronics: DAE3 Sn446; Calibrated: 2006-03-17

- Phantom: SAM 835/900 MHz; Type: SAM

Right touch 777/Z Scan (1x1x31): Measurement grid: $\Delta x = 20$ mm, $\Delta y = 20$ mm, $\Delta z = 5$ mm

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.07 mW/g



Test Laboratory: HCT

Company : PANTECH&CURITEL COMMUNICATIONS, INC.

Mode : PCS1900 / Antenna : in / Channel:600

Liquid Temperature : 21.6℃

Date Tested : July 05, 2006

DUT: TX-215; Type: Folder; Serial: #1

Communication System: PCS 1900MHz FCC; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.44$ mho/m; $\epsilon_r = 38.3$; $\rho = 1000$ kg/m³

Phantom section: Left Section ; Measurement SW: DASY4, V4.7 Build 44

DASY4 Configuration:

- Probe: ET3DV6 - SN1607; ConvF(5.14, 5.14, 5.14); Calibrated: 2005-08-30

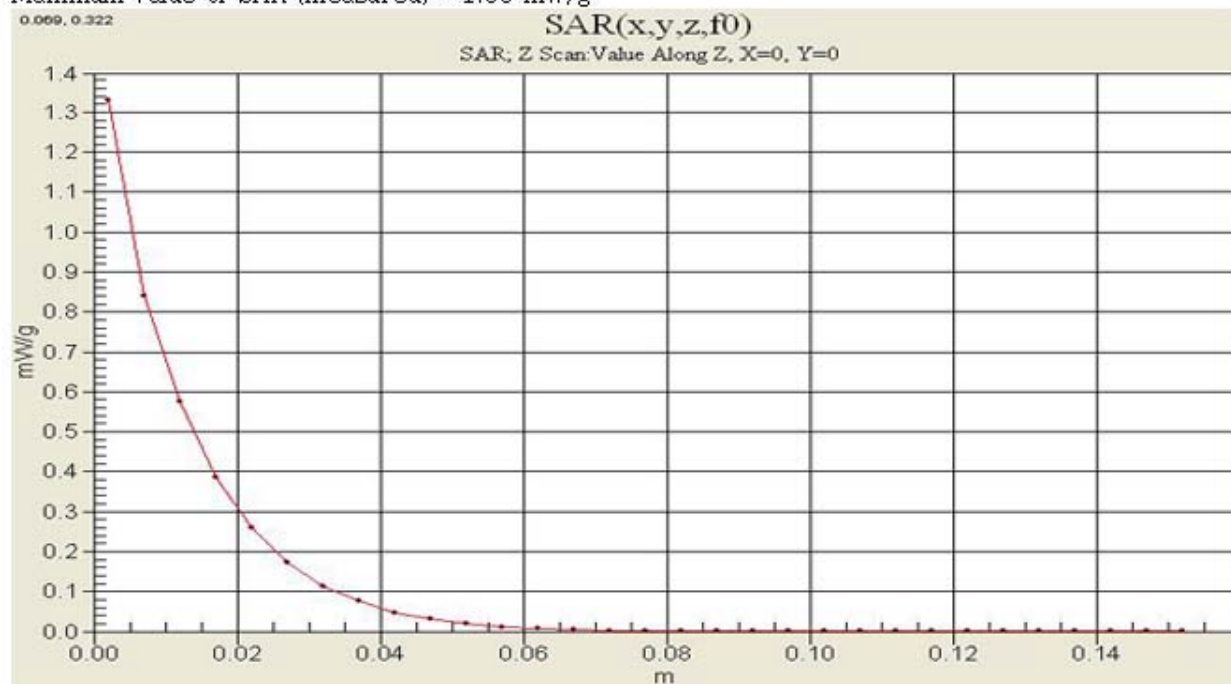
- Sensor-Surface: 0mm (Fix Surface)

- Electronics: DAE3 Sn446; Calibrated: 2006-03-17

- Phantom: SAM 1800/1900 MHz; Type: SAM

Left touch 600/Z Scan (1x1x31): Measurement grid: $\Delta x = 20$ mm, $\Delta y = 20$ mm, $\Delta z = 5$ mm

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



Test Laboratory: HCT

Company : PANTECH&CURITEL COMMUNICATIONS, INC.
Mode : CDMA835(Body) / Antenna :out / Channel:363
Liquid Temperature : 21.5℃
Date Tested : July 04, 2006

DUT: TX-215 (Body); Type: Folder; Serial: #1

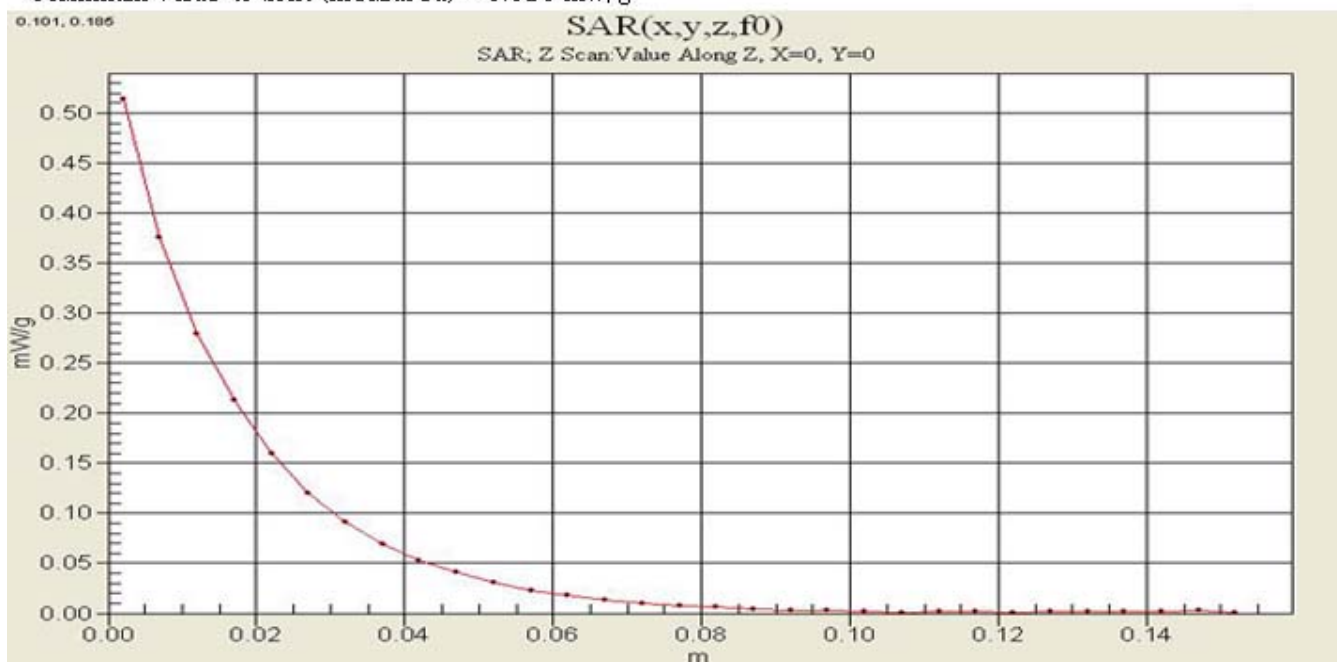
Communication System: CDMA 835MHz FCC; Frequency: 835.89 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 835.89$ MHz; $\sigma = 0.963$ mho/m; $\epsilon_r = 56.9$; $\rho = 1000$ kg/m³
Phantom section: Flat Section ;Measurement SW: DASY4, V4.7 Build 44

DASY4 Configuration:

- Probe: ET3DV6 - SN1607; ConvF(6.27, 6.27, 6.27); Calibrated: 2005-08-30
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn446; Calibrated: 2006-03-17
- Phantom: SAM 835/900 MHz; Type: SAM

CDMA Body 363/Z Scan (1x1x31): Measurement grid: $\Delta x=20$ mm, $\Delta y=20$ mm, $\Delta z=5$ mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.514 mW/g



Test Laboratory: HCT

Company : PANTECH&CURITEL COMMUNICATIONS, INC.
Mode : PCS1900(Body) / Antenna : out / Channel:600
Liquid Temperature : 21.6℃
Date Tested : July 05, 2006

DUT: TX-215 (Body); Type: Folder; Serial: #1

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.53 \text{ mho/m}$; $\epsilon_r = 52.9$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section ; Measurement SW: DASY4, V4.7 Build 44

DASY4 Configuration:

- Probe: ET3DV6 - SN1607; ConvF(4.44, 4.44, 4.44); Calibrated: 2005-08-30
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn446; Calibrated: 2006-03-17
- Phantom: SAM 1800/1900 MHz; Type: SAM

PCS Body 600/Z Scan (1x1x31): Measurement grid: $\Delta x = 20\text{mm}$, $\Delta y = 20\text{mm}$, $\Delta z = 5\text{mm}$

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

