

## **ATTACHMENT A – SAR TEST PLOTS -Belt clip #1**

Test Laboratory: HCT

Company : CASIO HITACHI Mobile Communications CO.,LTD.  
Mode : CDMA 835(Body) / Channel : 1013  
Liquid Temperature : 21.5 °C  
Date Tested : November 25, 2006

**DUT: NX9210-Body; Type: Folder; Serial: #1**

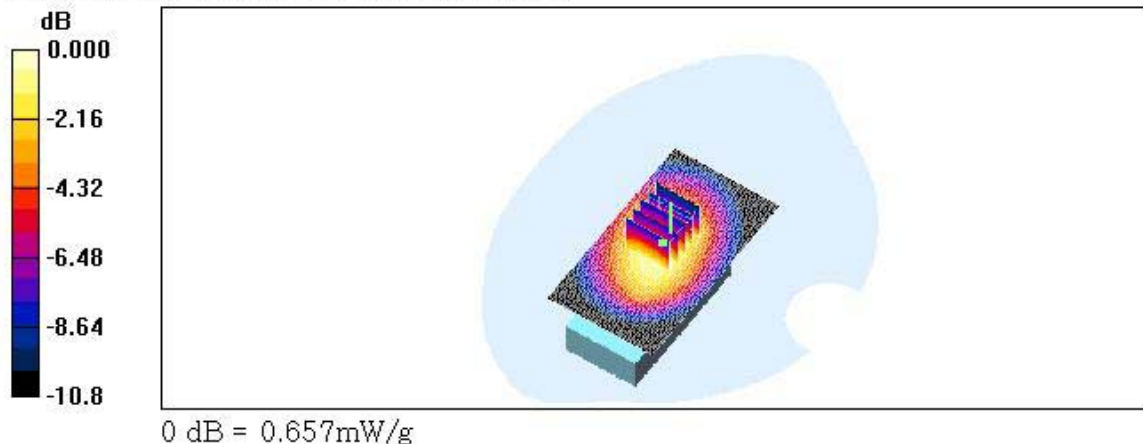
Communication System: CDMA 835MHz FCC; Frequency: 824.7 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 825 \text{ MHz}$ ;  $\sigma = 0.978 \text{ mho/m}$ ;  $\epsilon_r = 53.5$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Flat Section ; Measurement SW: DASY4, V4.7 Build 44

DASY4 Configuration:

- Probe: ET3DV6 - SN1798; ConvF(6.71, 6.71, 6.71); Calibrated: 2006-08-25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn479; Calibrated: 2006-02-23
- Phantom: SAM 835/900 MHz; Type: SAM

**CDMA Body 1013/Area Scan (51x91x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$   
Maximum value of SAR (interpolated) = 0.626 mW/g

**CDMA Body 1013/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$   
Reference Value = 23.8 V/m; Power Drift = 0.089 dB  
Peak SAR (extrapolated) = 0.930 W/kg  
**SAR(1 g) = 0.598 mW/g; SAR(10 g) = 0.403 mW/g**  
Maximum value of SAR (measured) = 0.657 mW/g



Test Laboratory: HCT

Company : CASIO HITACHI Mobile Communications CO.,LTD.  
Mode : CDMA 835(Body) / Channel : 384  
Liquid Temperature : 21.5 °C  
Date Tested : November 25, 2006

**DUT: NX9210-Body; Type: Folder; Serial: #1**

Communication System: CDMA 835MHz FCC; Frequency: 836.52 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 836.52 \text{ MHz}$ ;  $\sigma = 0.989 \text{ mho/m}$ ;  $\epsilon_r = 53.4$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Flat Section ; Measurement SW: DASY4, V4.7 Build 44

DASY4 Configuration:

- Probe: ET3DV6 - SN1798; ConvF(6.71, 6.71, 6.71); Calibrated: 2006-08-25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn479; Calibrated: 2006-02-23
- Phantom: SAM 835/900 MHz; Type: SAM

**CDMA Body 384/Area Scan (51x91x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.  
Maximum value of SAR (interpolated) = 0.820 mW/g

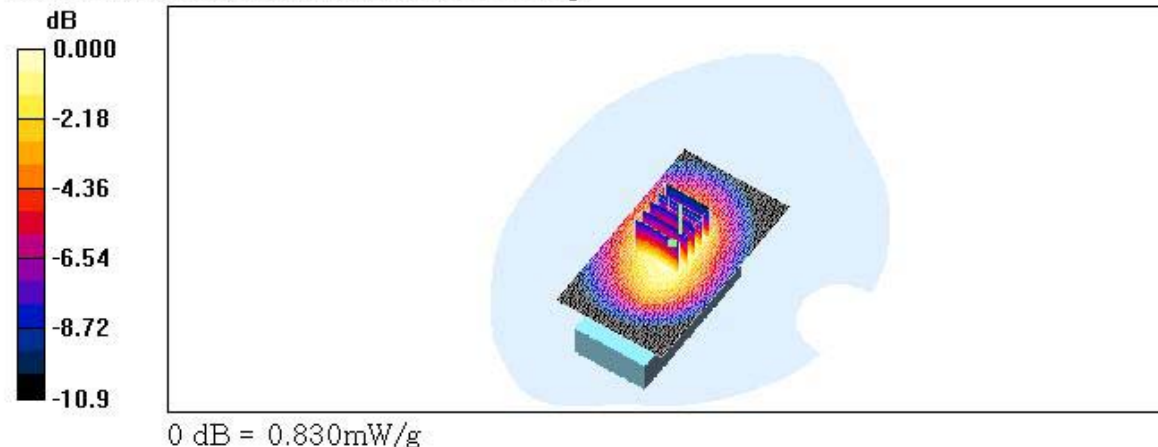
**CDMA Body 384/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 27.3 V/m; Power Drift = -0.093 dB

Peak SAR (extrapolated) = 1.18 W/kg

**SAR(1 g) = 0.754 mW/g; SAR(10 g) = 0.506 mW/g**

Info: Interpolated medium parameters used for SAR evaluation.  
Maximum value of SAR (measured) = 0.830 mW/g



Test Laboratory: HCT

Company : CASIO HITACHI Mobile Communications CO.,LTD.  
Mode : CDMA 835(Body) / Channel : 777  
Liquid Temperature : 21.5 °C  
Date Tested : November 25, 2006

**DUT: NX9210-Body; Type: Folder; Serial: #1**

Communication System: CDMA 835MHz FCC; Frequency: 848.31 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 848.31 \text{ MHz}$ ;  $\sigma = 1 \text{ mho/m}$ ;  $\epsilon_r = 53.3$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Flat Section ; Measurement SW: DASY4, V4.7 Build 44

DASY4 Configuration:

- Probe: ET3DV6 - SN1798; ConvF(6.71, 6.71, 6.71); Calibrated: 2006-08-25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn479; Calibrated: 2006-02-23
- Phantom: SAM 835/900 MHz; Type: SAM

**CDMA Body 777/Area Scan (51x91x1):** 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) = 0.945 mW/g

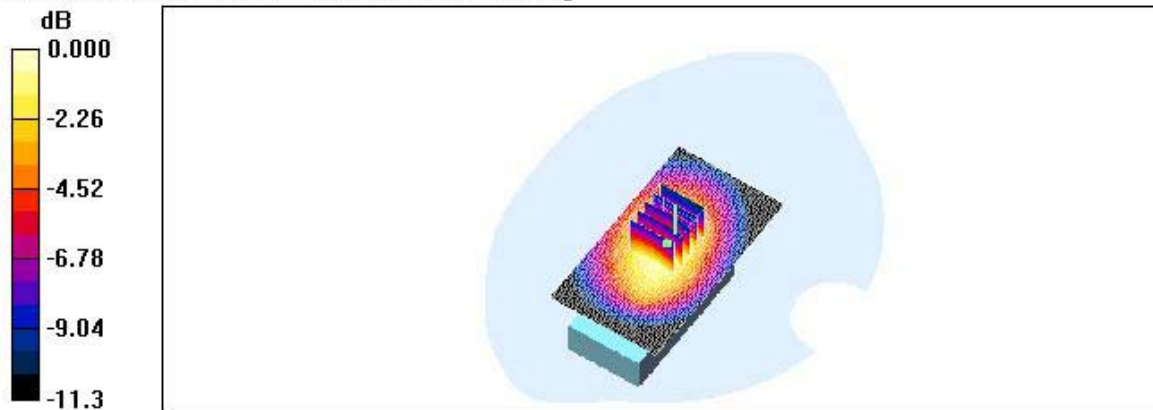
**CDMA Body 777/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $\Delta x = 8\text{mm}$ ,  $\Delta y = 8\text{mm}$ ,  $\Delta z = 5\text{mm}$

Reference Value = 29.2 V/m; Power Drift = -0.116 dB

Peak SAR (extrapolated) = 1.37 W/kg

**SAR(1 g) = 0.865 mW/g; SAR(10 g) = 0.571 mW/g**

Info: Interpolated medium parameters used for SAR evaluation.  
Maximum value of SAR (measured) = 0.953 mW/g



0 dB = 0.953mW/g

Test Laboratory: HCT

Company : CASIO HITACHI Mobile Communications CO.,LTD.  
Mode : CDMA 835(Body) / Channel : 777 (Bluetooth)  
Liquid Temperature : 21.5 °C  
Date Tested : November 25, 2006

**DUT: NX9210-Body; Type: Folder; Serial: #1**

Communication System: CDMA 835MHz FCC; Frequency: 848.31 MHz; Duty Cycle: 1:1  
Medium parameters used (interpolated):  $f = 848.31 \text{ MHz}$ ;  $\sigma = 1 \text{ mho/m}$ ;  $\epsilon_r = 53.3$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Flat Section ; Measurement SW: DASY4, V4.7 Build 44

DASY4 Configuration:

- Probe: ET3DV6 - SN1798; ConvF(6.71, 6.71, 6.71); Calibrated: 2006-08-25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn479; Calibrated: 2006-02-23
- Phantom: SAM 835/900 MHz; Type: SAM

**CDMA Body 777/Area Scan (51x91x1):** 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) = 0.912 mW/g

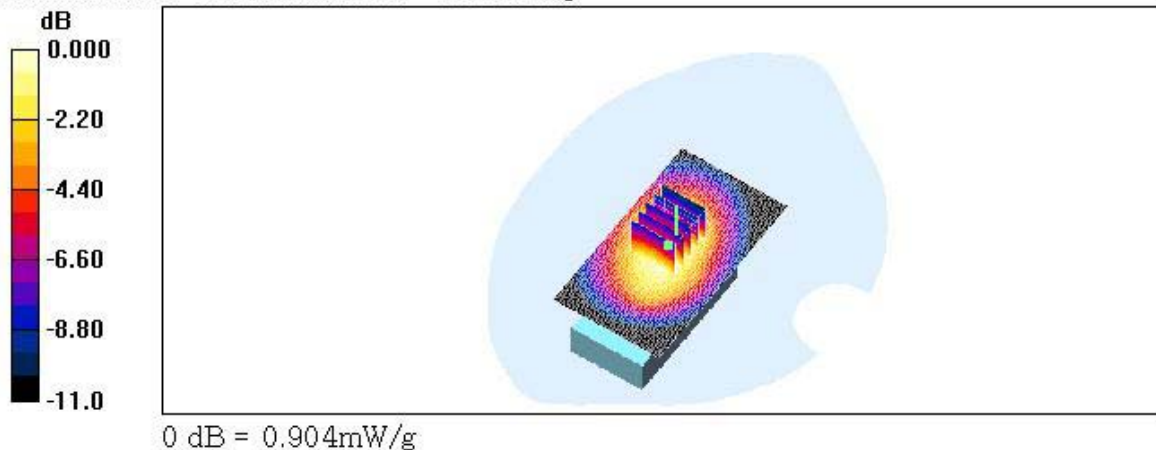
**CDMA Body 777/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $\Delta x = 8\text{mm}$ ,  $\Delta y = 8\text{mm}$ ,  $\Delta z = 5\text{mm}$

Reference Value = 27.6 V/m; Power Drift = 0.012 dB

Peak SAR (extrapolated) = 1.29 W/kg

**SAR(1 g) = 0.833 mW/g; SAR(10 g) = 0.556 mW/g**

Info: Interpolated medium parameters used for SAR evaluation.  
Maximum value of SAR (measured) = 0.904 mW/g





Test Laboratory: HCT

Company : CASIO HITACHI Mobile Communications CO.,LTD.

Mode : PCS1900(Body) / Channel : 25

Liquid Temperature : 21.5 °C

Date Tested : November 25, 2006

**DUT: NX9210-Body; Type: Folder; Serial: #1**

Communication System: PCS1900; Frequency: 1851.25 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 1851.25 \text{ MHz}$ ;  $\sigma = 1.5 \text{ mho/m}$ ;  $\epsilon_r = 51.9$ ;  $\rho = 1000 \text{ kg/m}^3$

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

DASY4 Configuration:

- Probe: ET3DV6 - SN1798; ConvF(4.8, 4.8, 4.8); Calibrated: 2006-08-25

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

- Electronics: DAE3 Sn479; Calibrated: 2006-02-23

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

**PCS Body 25/Area Scan (51x91x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (interpolated) = 1.10 mW/g

**PCS Body 25/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

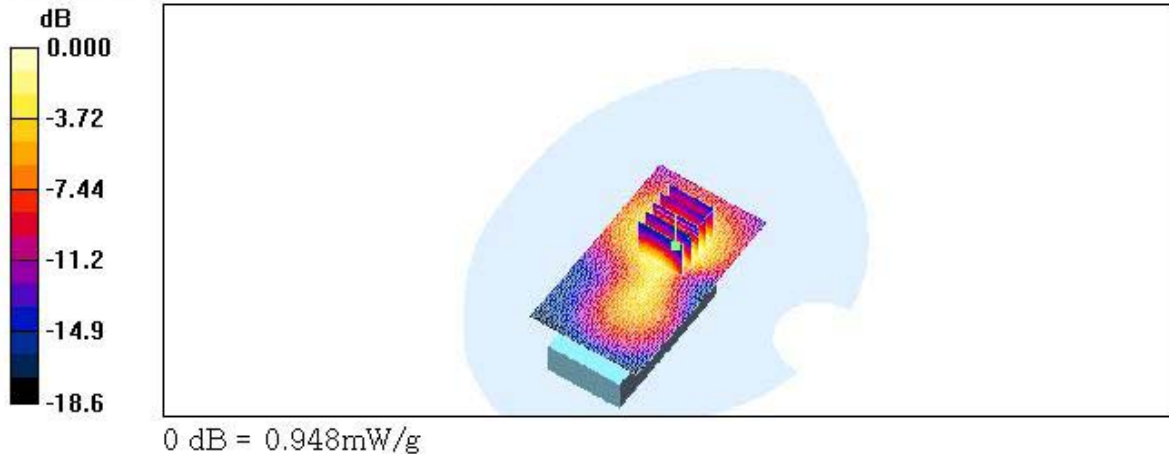
Reference Value = 26.5 V/m; Power Drift = 0.065 dB

Peak SAR (extrapolated) = 1.56 W/kg

**SAR(1 g) = 0.911 mW/g; SAR(10 g) = 0.520 mW/g**

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.948 mW/g



Test Laboratory: HCT

Company : CASIO HITACHI Mobile Communications CO.,LTD.  
Mode : PCS1900(Body) / Channel : 25(Bluetooth)  
Liquid Temperature : 21.5 °C  
Date Tested : November 25, 2006

**DUT: NX9210-Body; Type: Folder; Serial: #1**

Communication System: PCS1900; Frequency: 1851.25 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 1851.25 \text{ MHz}$ ;  $\sigma = 1.5 \text{ mho/m}$ ;  $\epsilon_r = 51.9$ ;  $\rho = 1000 \text{ kg/m}^3$

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

DASY4 Configuration:

- Probe: ET3DV6 - SN1798; ConvF(4.8, 4.8, 4.8); Calibrated: 2006-08-25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn479; Calibrated: 2006-02-23
- Phantom: SAM 1800/1900 MHz; Type: SAM

**PCS Body 25/Area Scan (51x91x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (interpolated) = 0.950 mW/g

**PCS Body 25/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

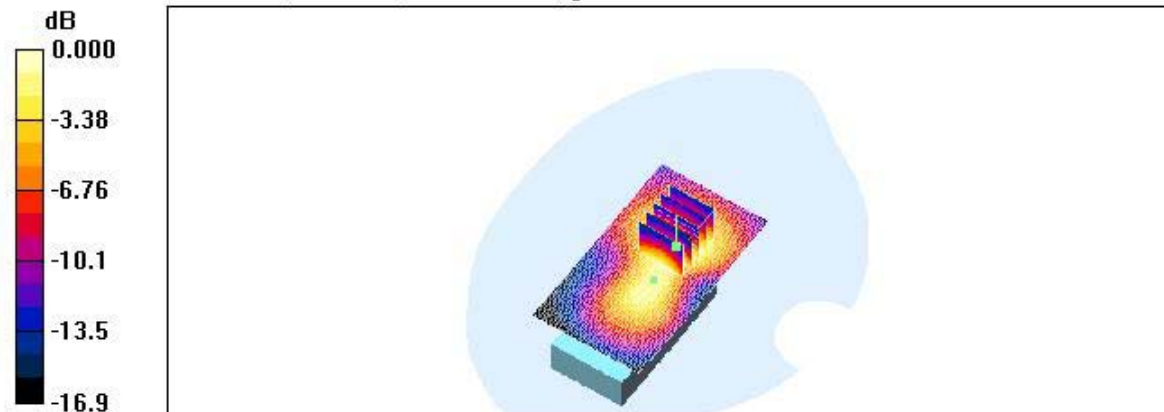
Reference Value = 26.5 V/m; Power Drift = -0.056 dB

Peak SAR (extrapolated) = 1.35 W/kg

**SAR(1 g) = 0.817 mW/g; SAR(10 g) = 0.475 mW/g**

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.876 mW/g



0 dB = 0.876mW/g

Test Laboratory: HCT

Company : CASIO HITACHI Mobile Communications CO.,LTD.  
Mode : PCS1900(Body) / Channel : 600  
Liquid Temperature : 21.5 °C  
Date Tested : November 25, 2006

**DUT: NX9210-Body; Type: Folder; Serial: #1**

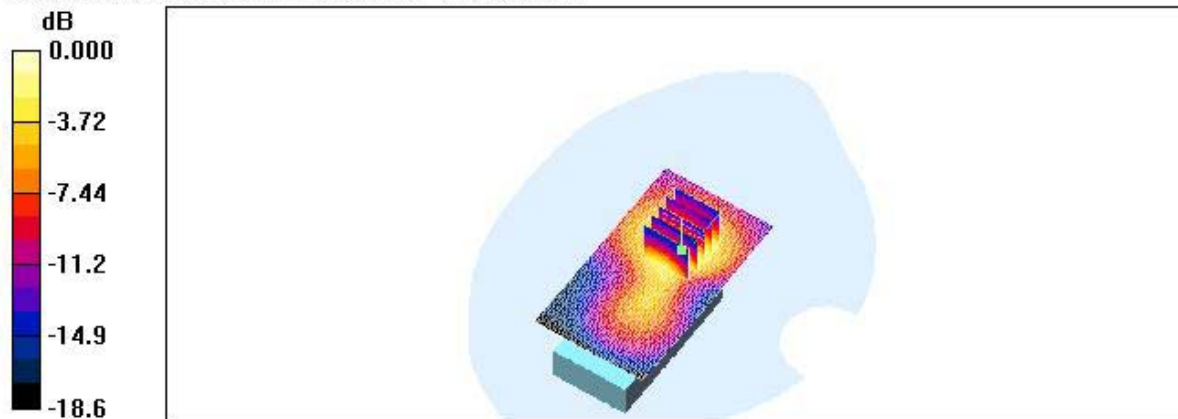
Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 1880 \text{ MHz}$ ;  $\sigma = 1.52 \text{ mho/m}$ ;  $\epsilon_r = 51.9$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Flat Section ; Measurement SW: DASY4, V4.7 Build 44

DASY4 Configuration:

- Probe: ET3DV6 - SN1798; ConvF(4.8, 4.8, 4.8); Calibrated: 2006-08-25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn479; Calibrated: 2006-02-23
- Phantom: SAM 1800/1900 MHz; Type: SAM

**PCS Body 600/Area Scan (51x91x1):** Measurement grid:  $\Delta x = 15\text{mm}$ ,  $\Delta y = 15\text{mm}$   
Maximum value of SAR (interpolated) = 0.814 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 = 23.1 V/m; Power Drift = -0.092 dB  
Peak SAR (extrapolated) = 1.14 W/kg  
**SAR(1 g) = 0.673 mW/g; SAR(10 g) = 0.382 mW/g**  
Maximum value of SAR (measured) = 0.709 mW/g



0 dB = 0.709mW/g



Test Laboratory: HCT

Company : CASIO HITACHI Mobile Communications CO.,LTD.  
Mode : PCS1900(Body) / Channel : 1175  
Liquid Temperature : 21.5 °C  
Date Tested : November 25, 2006

**DUT: NX9210-Body; Type: Folder; Serial: #1**

Communication System: PCS1900; Frequency: 1908.75 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 1908.75 \text{ MHz}$ ;  $\sigma = 1.55 \text{ mho/m}$ ;  $\epsilon_r = 51.9$ ;  $\rho = 1000 \text{ kg/m}^3$

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

DASY4 Configuration:

- Probe: ET3DV6 - SN1798; ConvF(4.8, 4.8, 4.8); Calibrated: 2006-08-25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn479; Calibrated: 2006-02-23
- Phantom: SAM 1800/1900 MHz; Type: SAM

**PCS Body 1175/Area Scan (51x91x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (interpolated) = 0.724 mW/g

**PCS Body 1175/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

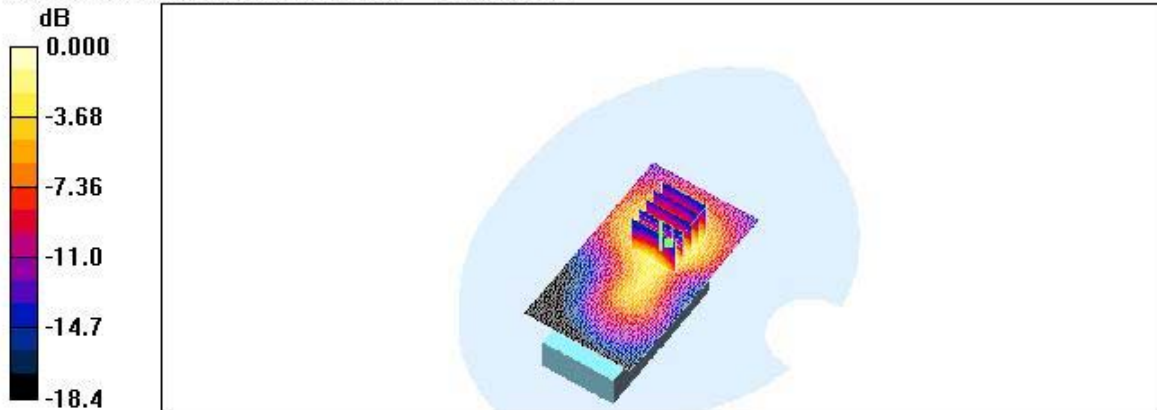
Reference Value = 21.9 V/m; Power Drift = 0.040 dB

Peak SAR (extrapolated) = 1.07 W/kg

**SAR(1 g) = 0.620 mW/g; SAR(10 g) = 0.348 mW/g**

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.654 mW/g



0 dB = 0.654mW/g

Test Laboratory: HCT

Company : CASIO HITACHI Mobile Communications CO.,LTD.

Mode : CDMA 835(Body) / Channel : 777

Liquid Temperature : 21.5 °C

Date Tested : November 25, 2006

**DUT: NX9210-Body; 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;  $\sigma = 1$  mho/m;  $\epsilon_r = 53.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY4 Configuration:

- Probe: ET3DV6 - SN1798; ConvF(6.71, 6.71, 6.71); Calibrated: 2006-08-25

- Sensor-Surface: 0mm (Fix Surface)

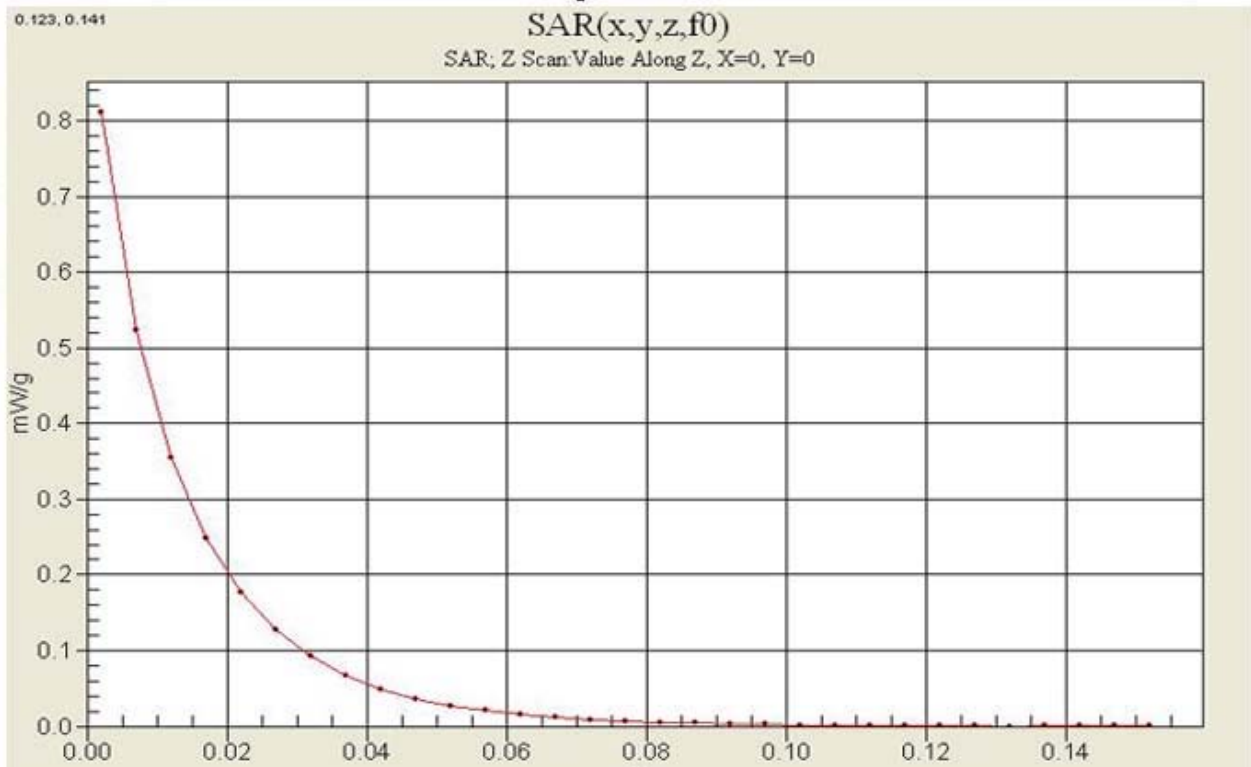
- Electronics: DAE3 Sn479; Calibrated: 2006-02-23

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

**CDMA Body 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) = 0.812 mW/g



Test Laboratory: HCT

Company : CASIO HITACHI Mobile Communications CO.,LTD.

Mode : PCS1900(Body) / Channel : 25

Liquid Temperature : 21.5 °C

Date Tested : November 25, 2006

**DUT: NX9210-Body; Type: Folder; Serial: #1**

Communication System: PCS1900; Frequency: 1851.25 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 1851.25$  MHz;  $\sigma = 1.5$  mho/m;  $\epsilon_r = 51.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY4 Configuration:

- Probe: ET3DV6 - SN1798; ConvF(4.8, 4.8, 4.8); Calibrated: 2006-08-25

- Sensor-Surface: 0mm (Fix Surface)

- Electronics: DAE3 Sn479; Calibrated: 2006-02-23

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

**PCS Body 25/Z Scan (1x1x31):** Measurement grid:  $dx=20$ mm,  $dy=20$ mm,  $dz=5$ mm

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.813 mW/g

