

ATTACHMENT O – SAR TEST PLOTS

Test Laboratory: HCT

Company : Nokia inc.

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

Liquid Temperature : 21.8 °C

Date Tested : May 1, 2006

DUT: Nokia 6215i-Body; Type: Folder; Serial: #1

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

Medium parameters used (interpolated): $f = 835.89 \text{ MHz}$; $\sigma = 0.991 \text{ mho/m}$; $\epsilon_r = 54.8$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section ; Measurement SW: DASY4, V4.6 Build 23

DASY4 Configuration:

- Probe: ET3DV6 - SN1609; ConvF(6.42, 6.42, 6.42); Calibrated: 2006-03-23

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

- Electronics: DAE4 Sn447; Calibrated: 2005-11-30

- 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) = 0.452 mW/g

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

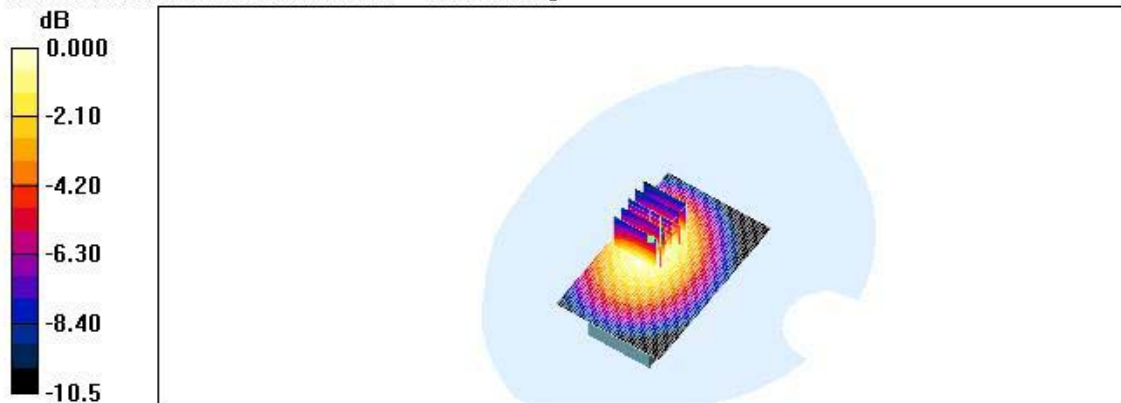
Reference Value = 17.9 V/m; Power Drift = 0.185 dB

Peak SAR (extrapolated) = 0.558 W/kg

SAR(1 g) = 0.419 mW/g; SAR(10 g) = 0.297 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.440 mW/g



0 dB = 0.440mW/g

Test Laboratory: HCT

Company : Nokia inc.

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

Liquid Temperature : 21.8 °C

Date Tested : May 1, 2006

DUT: Nokia 6215i-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; $\sigma = 0.991$ mho/m; $\epsilon_r = 54.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section ; Measurement SW: DASY4, V4.6 Build 23

DASY4 Configuration:

- Probe: ET3DV6 - SN1609; ConvF(6.42, 6.42, 6.42); Calibrated: 2006-03-23

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

- Electronics: DAE4 Sn447; Calibrated: 2005-11-30

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

CDMA Body 363/Area Scan (61x111x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (interpolated) = 0.622 mW/g

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

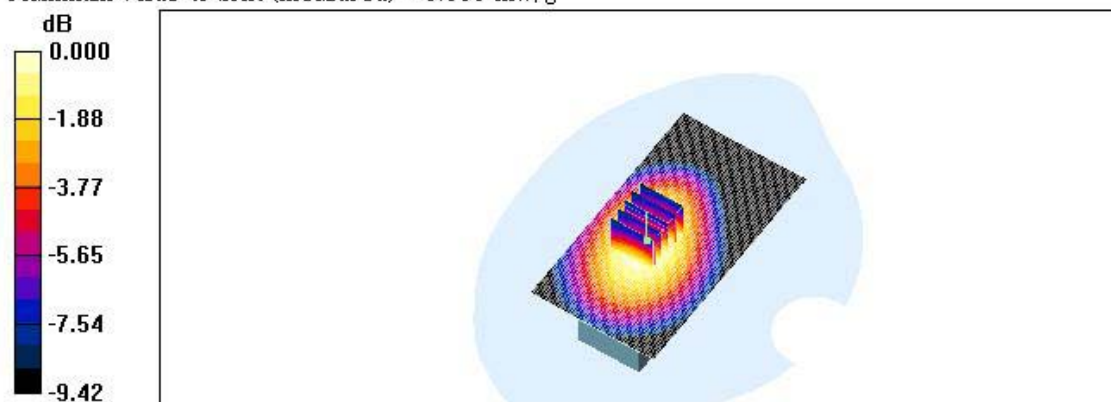
Reference Value = 21.7 V/m; Power Drift = -0.034 dB

Peak SAR (extrapolated) = 0.751 W/kg

SAR(1 g) = 0.566 mW/g; SAR(10 g) = 0.404 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.595 mW/g



0 dB = 0.595mW/g

Test Laboratory: HCT

Company : Nokia inc.

Mode : CDMA835(BODY) / Antenna : out / Channel : 363(E-battery)

Liquid Temperature : 21.8 °C

Date Tested : May 1, 2006

DUT: Nokia 6215i-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; $\sigma = 0.991$ mho/m; $\epsilon_r = 54.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section ; Measurement SW: DASY4, V4.6 Build 23

DASY4 Configuration:

- Probe: ET3DV6 - SN1609; ConvF(6.42, 6.42, 6.42); Calibrated: 2006-03-23

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

- Electronics: DAE4 Sn447; Calibrated: 2005-11-30

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

CDMA Body 363/Area Scan (51x81x1): Measurement grid: $\Delta x = 15$ mm, $\Delta y = 15$ mm

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (interpolated) = 0.588 mW/g

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

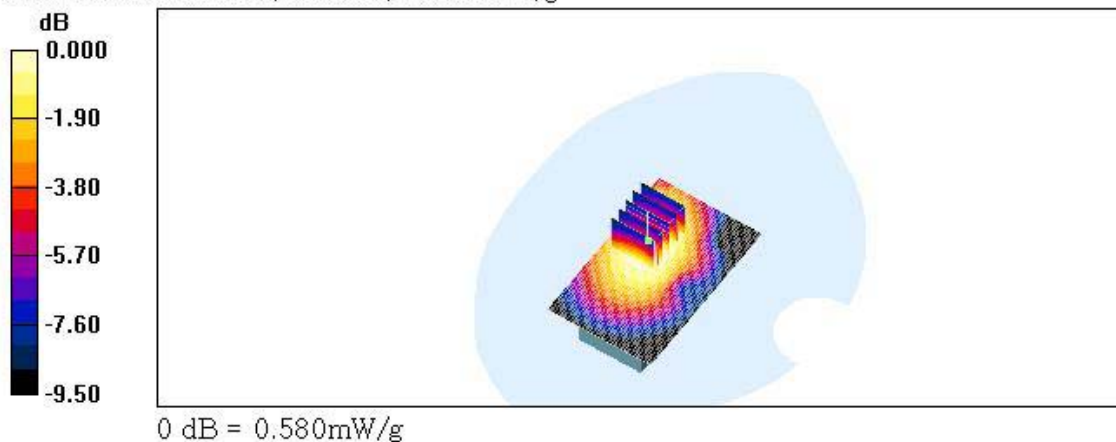
Reference Value = 21.2 V/m; Power Drift = -0.124 dB

Peak SAR (extrapolated) = 0.732 W/kg

SAR(1 g) = 0.547 mW/g; SAR(10 g) = 0.390 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.580 mW/g



Test Laboratory: HCT

Company : Nokia inc.

Mode : PCS1900(BODY) / Antenna : in / Channel : 25

Liquid Temperature : 21.7 °C

Date Tested : May 2, 2006

DUT: Nokia 6215i-Body; Type: Folder; Serial: #1

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

Medium parameters used (interpolated): $f = 1851.25$ MHz; $\sigma = 1.44$ mho/m; $\epsilon_r = 53.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section ; Measurement SW: DASY4, V4.6 Build 23

DASY4 Configuration:

- Probe: ET3DV6 - SN1609; ConvF(4.63, 4.63, 4.63); Calibrated: 2006-03-23

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

- Electronics: DAE4 Sn447; Calibrated: 2005-11-30

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

PCS Body 25/Area Scan (51x81x1): Measurement grid: $\Delta x = 15$ mm, $\Delta y = 15$ mm

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (interpolated) = 0.210 mW/g

PCS Body 25/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $\Delta x = 8$ mm, $\Delta y = 8$ mm, $\Delta z = 5$ mm

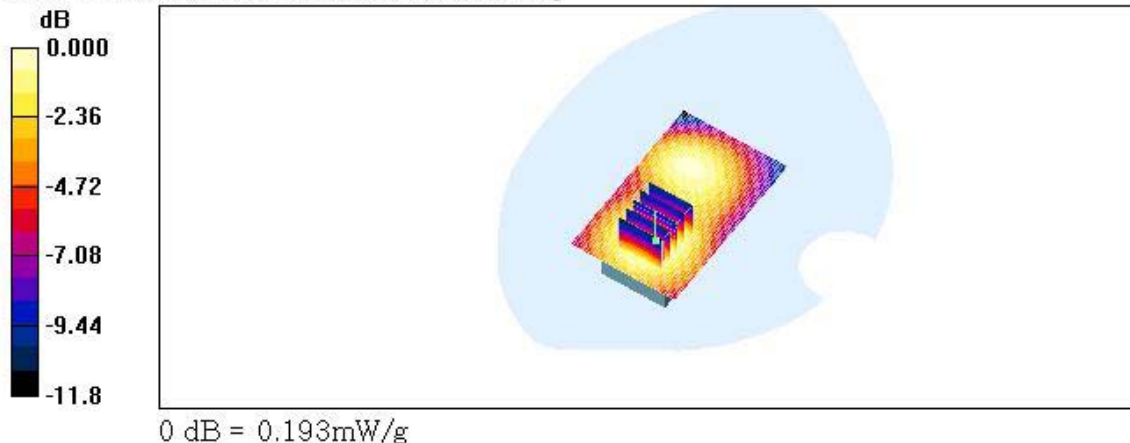
Reference Value = 10.9 V/m; Power Drift = 0.103 dB

Peak SAR (extrapolated) = 0.259 W/kg

SAR(1 g) = 0.181 mW/g; SAR(10 g) = 0.120 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.193 mW/g



Test Laboratory: HCT

Company : Nokia inc.
Mode : PCS1900(BODY) / Antenna : out / Channel : 25
Liquid Temperature : 21.7 °C
Date Tested : May 2, 2006

DUT: Nokia 6215i-Body; Type: Folder; Serial: #1

Communication System: PCS1900; Frequency: 1851.25 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 1851.25$ MHz; $\sigma = 1.44$ mho/m; $\epsilon_r = 53.1$; $\rho = 1000$ kg/m³
Phantom section: Flat Section ; Measurement SW: DASY4, V4.6 Build 23

DASY4 Configuration:

- Probe: ET3DV6 - SN1609; ConvF(4.63, 4.63, 4.63); Calibrated: 2006-03-23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn447; Calibrated: 2005-11-30
- Phantom: SAM 1800/1900 MHz; Type: SAM

PCS Body 25/Area Scan (61x111x1): Measurement grid: $\Delta x = 15$ mm, $\Delta y = 15$ mm

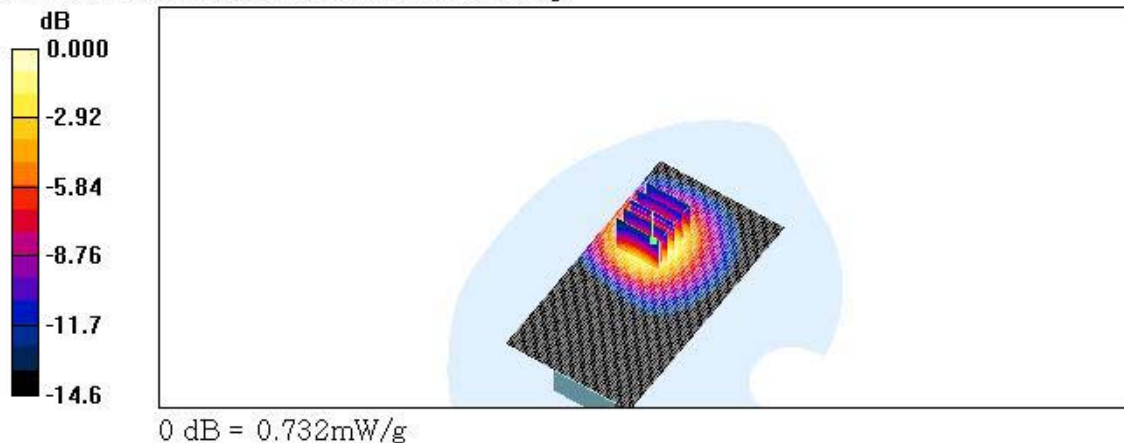
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.782 mW/g

PCS Body 25/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $\Delta x = 8$ mm, $\Delta y = 8$ mm, $\Delta z = 5$ mm

Reference Value = 6.92 V/m; Power Drift = -0.026 dB
Peak SAR (extrapolated) = 1.06 W/kg

SAR(1 g) = 0.682 mW/g; SAR(10 g) = 0.414 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.732 mW/g



Test Laboratory: HCT

Company : Nokia inc.

Mode : PCS1900(BODY) / Antenna : in / Channel : 600

Liquid Temperature : 21.7 °C

Date Tested : May 2, 2006

DUT: Nokia 6215i-Body; Type: Folder; Serial: #1

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.48$ mho/m; $\epsilon_r = 52.9$; $\rho = 1000$ kg/m³

Phantom section: Flat Section ; Measurement SW: DASY4, V4.6 Build 23

DASY4 Configuration:

- Probe: ET3DV6 - SN1609; ConvF(4.63, 4.63, 4.63); Calibrated: 2006-03-23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn447; Calibrated: 2005-11-30
- Phantom: SAM 1800/1900 MHz; Type: SAM

PCS Body 600/Area Scan (51x81x1): Measurement grid: $\Delta x = 15$ mm, $\Delta y = 15$ mm

Maximum value of SAR (interpolated) = 0.195 mW/g

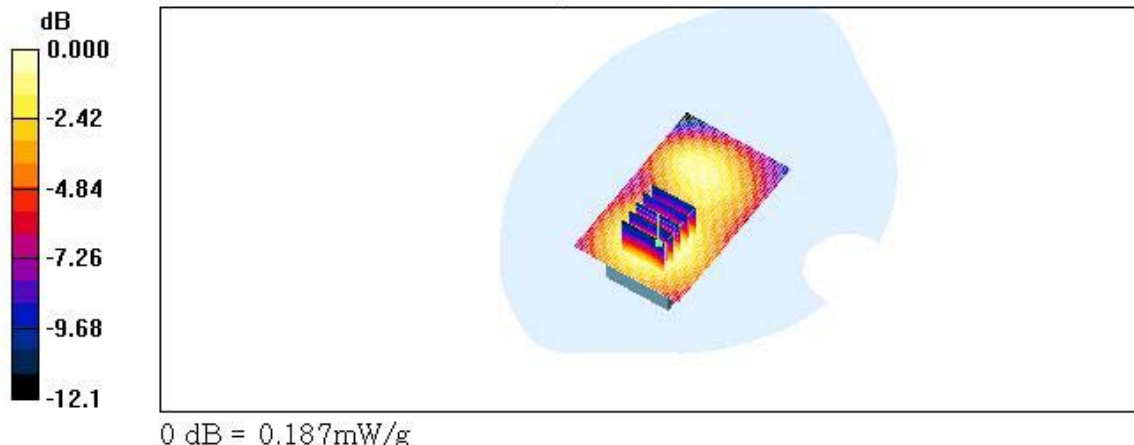
PCS Body 600/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $\Delta x = 8$ mm, $\Delta y = 8$ mm, $\Delta z = 5$ mm

Reference Value = 10.1 V/m; Power Drift = 0.086 dB

Peak SAR (extrapolated) = 0.263 W/kg

SAR(1 g) = 0.177 mW/g; SAR(10 g) = 0.116 mW/g

Maximum value of SAR (measured) = 0.187 mW/g



Test Laboratory: HCT

Company : Nokia inc.
Mode : PCS1900(BODY) / Antenna : out / Channel : 600
Liquid Temperature : 21.7 °C
Date Tested : May 2, 2006

DUT: Nokia 6215i-Body; Type: Folder; Serial: #1

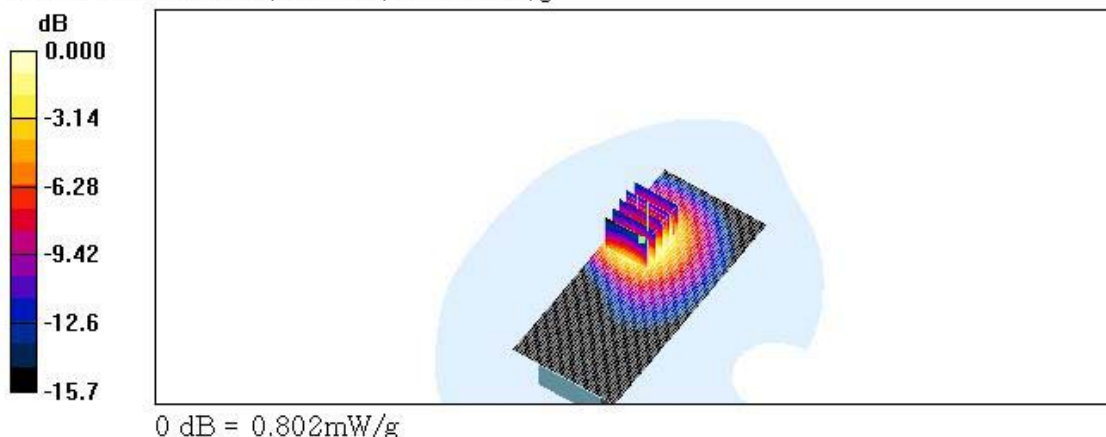
Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1880$ MHz; $\sigma = 1.48$ mho/m; $\epsilon_r = 52.9$; $\rho = 1000$ kg/m³
Phantom section: Flat Section ; Measurement SW: DASY4, V4.6 Build 23

DASY4 Configuration:

- Probe: ET3DV6 - SN1609; ConvF(4.63, 4.63, 4.63); Calibrated: 2006-03-23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn447; Calibrated: 2005-11-30
- Phantom: SAM 1800/1900 MHz; Type: SAM

PCS Body 600/Area Scan (51x111x1): Measurement grid: $\Delta x = 15$ mm, $\Delta y = 15$ mm
Maximum value of SAR (interpolated) = 0.848 mW/g

PCS Body 600/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $\Delta x = 8$ mm, $\Delta y = 8$ mm, $\Delta z = 5$ mm
Reference Value = 7.86 V/m; Power Drift = -0.015 dB
Peak SAR (extrapolated) = 1.18 W/kg
SAR(1 g) = 0.757 mW/g; SAR(10 g) = 0.456 mW/g
Maximum value of SAR (measured) = 0.802 mW/g



Test Laboratory: HCT

Company : Nokia inc.

Mode : PCS1900(BODY) / Antenna : in / Channel : 1175

Liquid Temperature : 21.7 °C

Date Tested : May 2, 2006

DUT: Nokia 6215i-Body; Type: Folder; Serial: #1

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

Medium parameters used (interpolated): $f = 1908.75 \text{ MHz}$; $\sigma = 1.53 \text{ mho/m}$; $\epsilon_r = 52.7$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section ; Measurement SW: DASY4, V4.6 Build 23

DASY4 Configuration:

- Probe: ET3DV6 - SN1609; ConvF(4.63, 4.63, 4.63); Calibrated: 2006-03-23

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

- Electronics: DAE4 Sn447; Calibrated: 2005-11-30

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

PCS Body 1175/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) = 0.180 mW/g

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

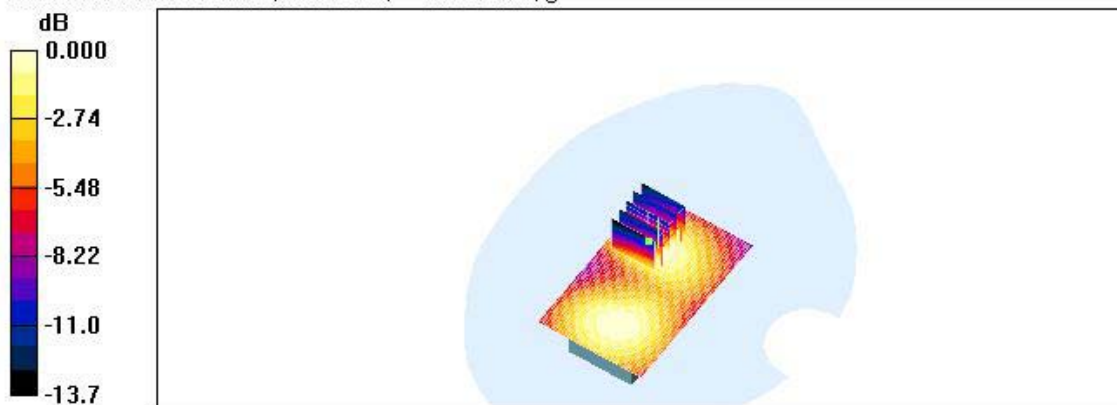
Reference Value = 10.2 V/m; Power Drift = 0.027 dB

Peak SAR (extrapolated) = 0.256 W/kg

SAR(1 g) = 0.164 mW/g; SAR(10 g) = 0.101 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.178 mW/g



0 dB = 0.178mW/g

Test Laboratory: HCT

Company : Nokia inc.
Mode : PCS1900(BODY) / Antenna : out / Channel : 1175
Liquid Temperature : 21.7 °C
Date Tested : May 2, 2006

DUT: Nokia 6215i-Body; Type: Folder; Serial: #1

Communication System: PCS1900; Frequency: 1908.75 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 1908.75 \text{ MHz}$; $\sigma = 1.53 \text{ mho/m}$; $\epsilon_r = 52.7$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section ; Measurement SW: DASY4, V4.6 Build 23

DASY4 Configuration:

- Probe: ET3DV6 - SN1609; ConvF(4.63, 4.63, 4.63); Calibrated: 2006-03-23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn447; Calibrated: 2005-11-30
- Phantom: SAM 1800/1900 MHz; Type: SAM

PCS Body 1175/Area Scan (61x111x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.973 mW/g

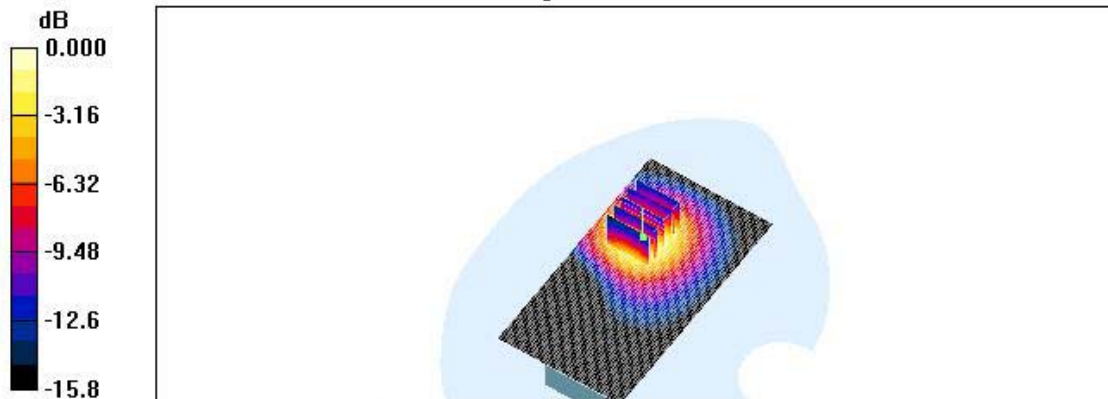
PCS Body 1175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 7.81 V/m; Power Drift = 0.082 dB

Peak SAR (extrapolated) = 1.41 W/kg

SAR(1 g) = 0.873 mW/g; SAR(10 g) = 0.517 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.925 mW/g



0 dB = 0.925mW/g

Test Laboratory: HCT

Company : Nokia inc.

Mode : PCS1900(BODY) / Antenna : out / Channel : 1175(E-battery)

Liquid Temperature : 21.7 °C

Date Tested : May 2, 2006

DUT: Nokia 6215i-Body; Type: Folder; Serial: #1

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

Medium parameters used (interpolated): $f = 1908.75 \text{ MHz}$; $\sigma = 1.53 \text{ mho/m}$; $\epsilon_r = 52.7$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section ; Measurement SW: DASY4, V4.6 Build 23

DASY4 Configuration:

- Probe: ET3DV6 - SN1609; ConvF(4.63, 4.63, 4.63); Calibrated: 2006-03-23

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

- Electronics: DAE4 Sn447; Calibrated: 2005-11-30

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

PCS Body 1175/Area Scan (61x111x1): 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) = 0.903 mW/g

PCS Body 1175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $\Delta x = 8\text{mm}$, $\Delta y = 8\text{mm}$, $\Delta z = 5\text{mm}$

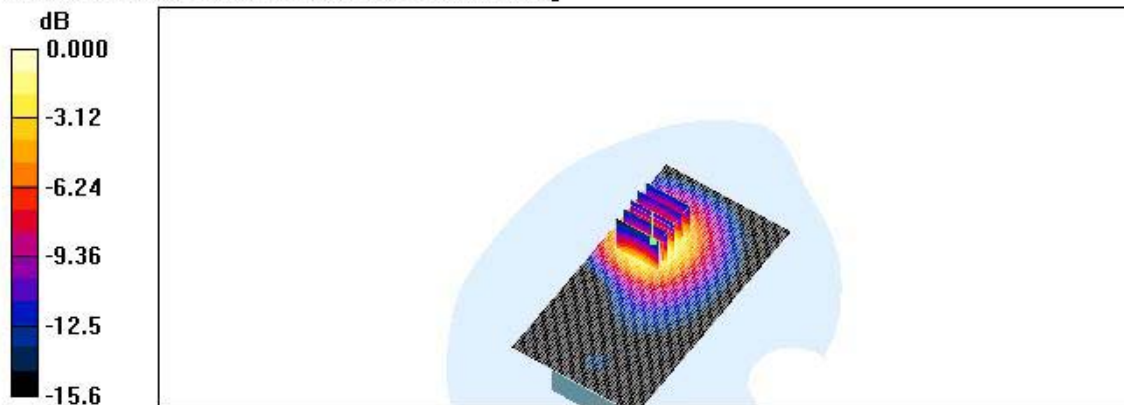
Reference Value = 7.68 V/m; Power Drift = 0.159 dB

Peak SAR (extrapolated) = 1.28 W/kg

SAR(1 g) = 0.805 mW/g; SAR(10 g) = 0.483 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.860 mW/g



0 dB = 0.860mW/g

Test Laboratory: HCT

Company : Nokia inc.
Mode : CDMA835 / Antenna : in / Channel : 777
Liquid Temperature : 21.8 °C
Date Tested : May 1, 2006

DUT: Nokia 6215i; Type: Folder; Serial: #1

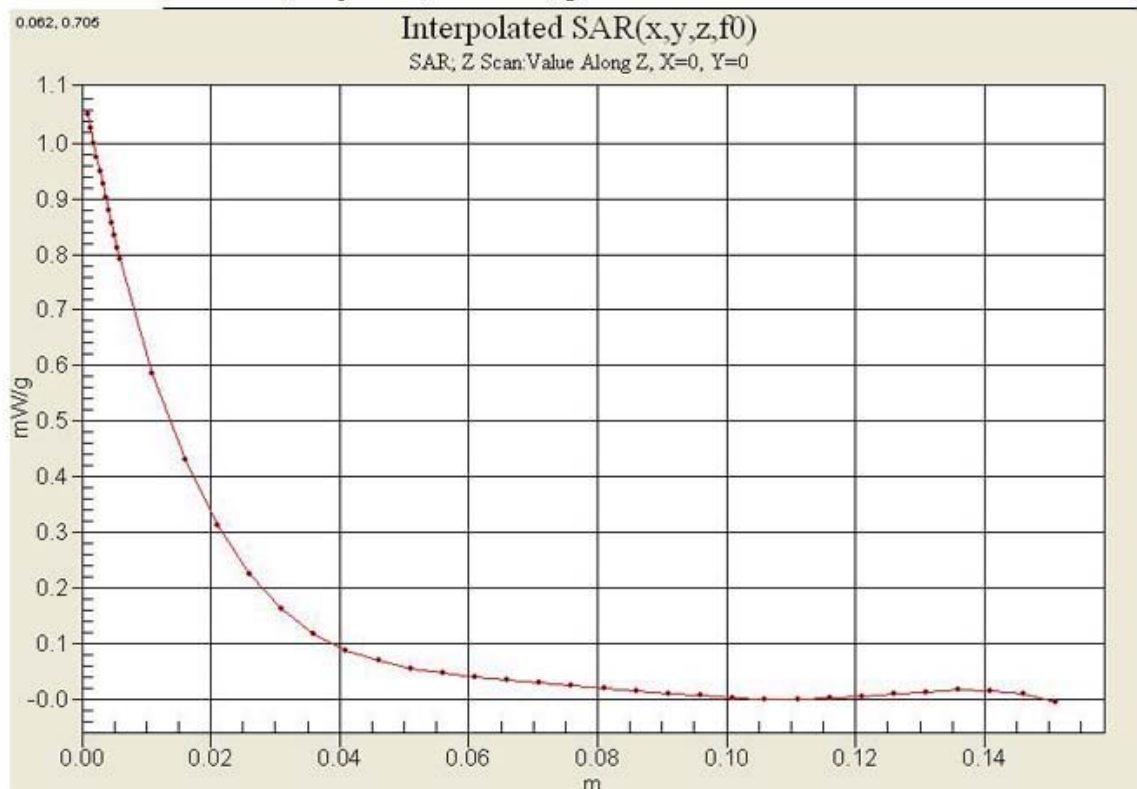
Communication System: CDMA 835MHz FCC, Frequency: 848.31 MHz, Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 848.31$ MHz; $\sigma = 0.906$ mho/m; $\epsilon_r = 41.5$; $\rho = 1000$ kg/m³
Phantom section: Right Section ; Measurement SW: DASY4, V4.6 Build 23

DASY4 Configuration:

- Probe: ET3DV6 - SN1609; ConvF(6.85, 6.85, 6.85); Calibrated: 2006-03-23
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn447; Calibrated: 2005-11-30
- Phantom: SAM 835/900 MHz; Type: SAM

Right touch 777/Z Scan (1x1x41): Measurement grid: $dx=20$ mm, $dy=20$ mm, $dz=5$ mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 1.05 mW/g



Test Laboratory: HCT

Company : Nokia inc.

Mode : PCS1900 / Antenna : in / Channel : 1175

Liquid Temperature : 21.7 °C

Date Tested : May 2, 2006

DUT: Nokia 6215i; Type: Folder; Serial: #1

Communication System: PCS 1900; Frequency: 1908.75 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1908.75$ MHz; $\sigma = 1.45$ mho/m; $\epsilon_r = 40$; $\rho = 1000$ kg/m³

Phantom section: Left Section ; Measurement SW: DASY4, V4.6 Build 23

DASY4 Configuration:

- Probe: ET3DV6 - SN1609; ConvF(5.16, 5.16, 5.16); Calibrated: 2006-03-23

- Sensor-Surface: 0mm (Fix Surface)

- Electronics: DAE4 Sn447; Calibrated: 2005-11-30

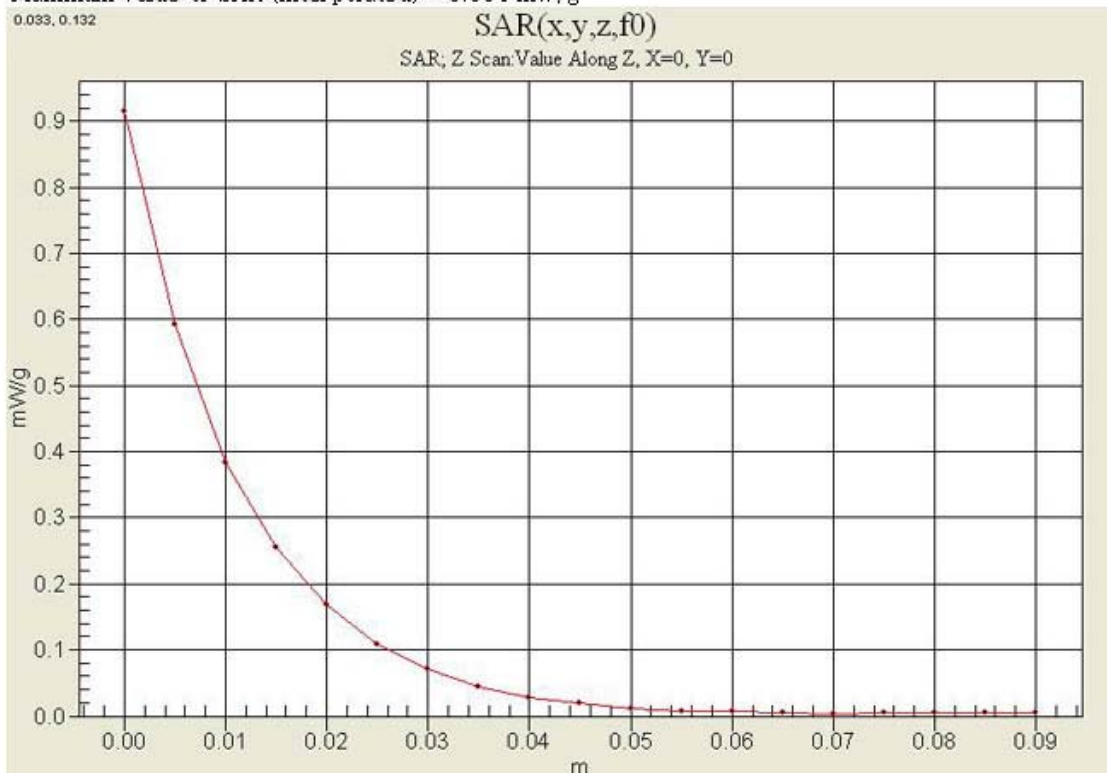
- Phantom: SAM 1800/1900 MHz; Type: SAM

Left touch 1175/Z Scan (1x1x29): Measurement grid: $dx=20$ mm, $dy=20$ mm, $dz=5$ mm

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (interpolated) = 0.864 mW/g

0.033, 0.132



Test Laboratory: HCT

Company : Nokia inc.

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

Liquid Temperature : 21.8 °C

Date Tested : May 1, 2006

DUT: Nokia 6215i-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; $\sigma = 0.991$ mho/m; $\epsilon_r = 54.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section ; Measurement SW: DASY4, V4.6 Build 23

DASY4 Configuration:

- Probe: ET3DV6 - SN1609; ConvF(6.42, 6.42, 6.42); Calibrated: 2006-03-23

- Sensor-Surface: 0mm (Fix Surface)

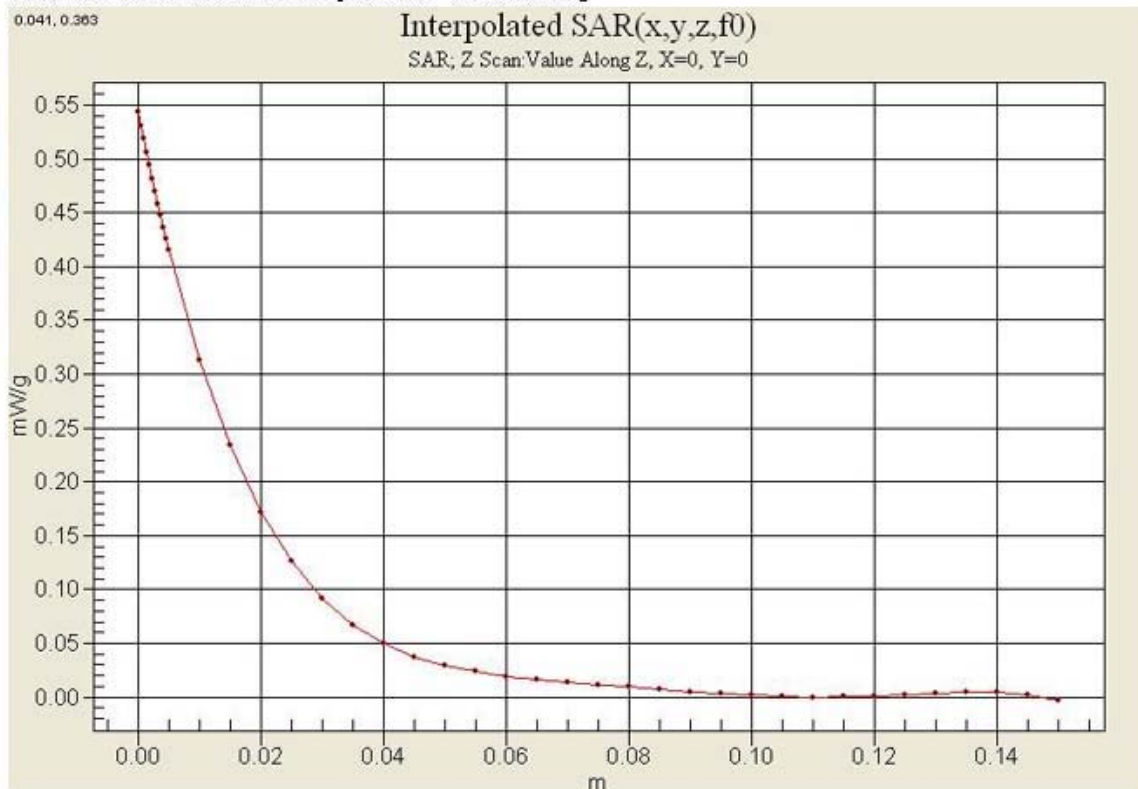
- Electronics: DAE4 Sn447; Calibrated: 2005-11-30

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

CDMA Body 363/Z Scan (1x1x41): Measurement grid: $dx=20$ mm, $dy=20$ mm, $dz=5$ mm

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (interpolated) = 0.544 mW/g



Test Laboratory: HCT

Company : Nokia inc.

Mode : PCS1900(BODY) / Antenna : out / Channel : 1175

Liquid Temperature : 21.7 °C

Date Tested : May 2, 2006

DUT: Nokia 6215i-Body; Type: Folder; Serial: #1

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

Medium parameters used (interpolated): $f = 1908.75$ MHz; $\sigma = 1.53$ mho/m; $\epsilon_r = 52.7$; $\rho = 1000$ kg/m³

Phantom section: Flat Section ; Measurement SW: DASY4, V4.6 Build 23

DASY4 Configuration:

- Probe: ET3DV6 - SN1609; ConvF(4.63, 4.63, 4.63); Calibrated: 2006-03-23

- Sensor-Surface: 0mm (Fix Surface)

- Electronics: DAE4 Sn447; Calibrated: 2005-11-30

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

PCS Body 1175/Z Scan (1x1x41): 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 (interpolated) = 0.794 mW/g

