

APPENDIX B.1: HEAD MEASUREMENT SCANS

Date/Time: 2012-07-09 04:00:35

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE700

Frequency: 710 MHz; Duty Cycle: 1:1

Medium: HSL750; Medium Notes: $t = 20.8$ C

Medium parameters used: $f = 710$ MHz; $\sigma = 0.898$ mho/m; $\epsilon_r = 40.834$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3165
- ConvF(6.13, 6.13, 6.13); Calibrated: 2012-02-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11
- Phantom: SAM #4 CRP ; Type: QD000P40CD; Serial: -
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

LTE - Left/Cheek - Middle - QPSK - 10MHz - 100% RB/Area Scan (81x121x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (interpolated) = 0.169 mW/g

LTE - Left/Cheek - Middle - QPSK - 10MHz - 100% RB/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 4.083 V/m

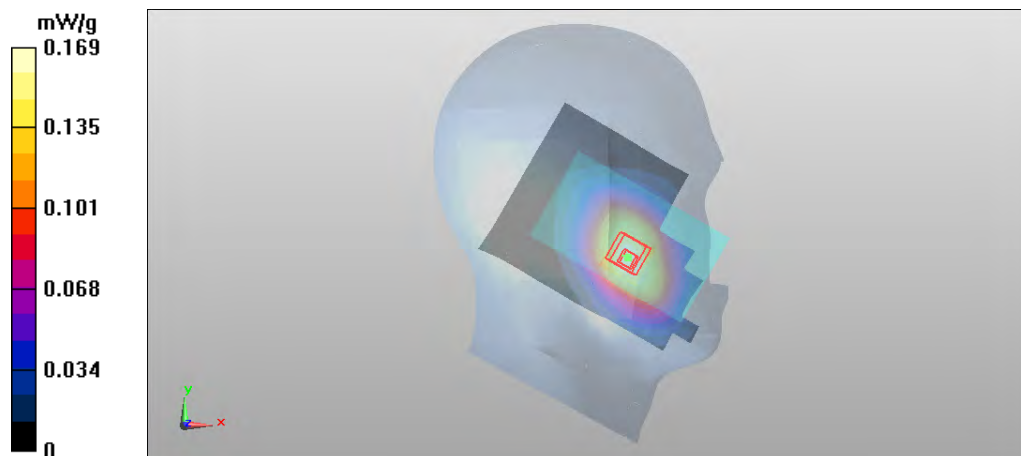
Peak SAR (extrapolated) = 0.210 mW/g

SAR(1 g) = 0.159 mW/g

SAR(10 g) = 0.119 mW/g

Power Drift = -0.04 dB

Maximum value of SAR (measured) = 0.168 mW/g



Date/Time: 2012-07-09 07:25:34

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE700

Frequency: 710 MHz; Duty Cycle: 1:1

Medium: HSL750; Medium Notes: t= 20.8 C

Medium parameters used: f = 710 MHz; σ = 0.898 mho/m; ϵ_r = 40.834; ρ = 1000 kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3165
- ConvF(6.13, 6.13, 6.13); Calibrated: 2012-02-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11
- Phantom: SAM #4 CRP ; Type: QD000P40CD; Serial: -
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

LTE - Left/Tilt - Middle - QPSK - 10MHz - 100% RB/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.0838 mW/g

LTE - Left/Tilt - Middle - QPSK - 10MHz - 100% RB/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 9.454 V/m

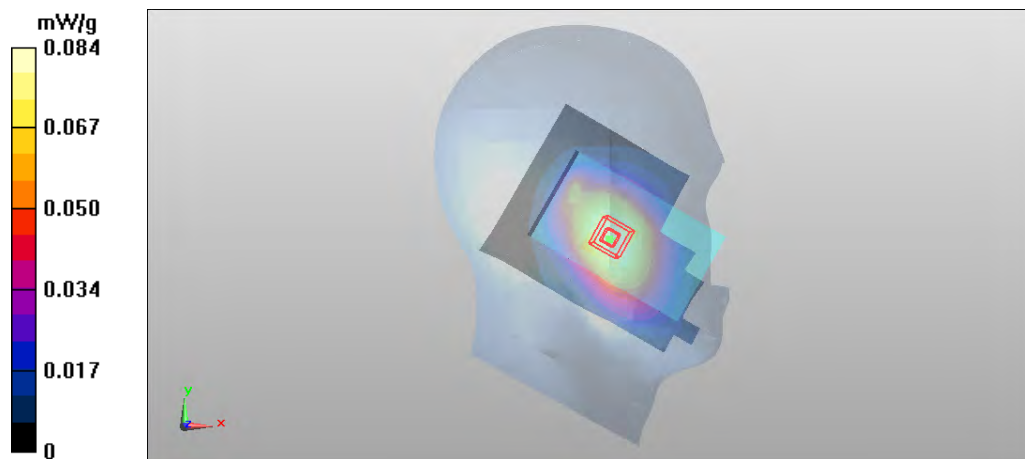
Peak SAR (extrapolated) = 0.093 mW/g

SAR(1 g) = 0.078 mW/g

SAR(10 g) = 0.061 mW/g

Power Drift = 0.11 dB

Maximum value of SAR (measured) = 0.0813 mW/g



Date/Time: 2012-07-09 14:10:11

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE700

Frequency: 710 MHz; Duty Cycle: 1:1

Medium: HSL750; Medium Notes: t= 20.8 C

Medium parameters used: f = 710 MHz; σ = 0.898 mho/m; ϵ_r = 40.834; ρ = 1000 kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: ES3DV3 - SN3165
- ConvF(6.13, 6.13, 6.13); Calibrated: 2012-02-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11
- Phantom: SAM #4 CRP ; Type: QD000P40CD; Serial: -
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

LTE - Right/Cheek - Middle - QPSK - 10MHz - 100% RB/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.113 mW/g

LTE - Right/Cheek - Middle - QPSK - 10MHz - 100% RB/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 11.408 V/m

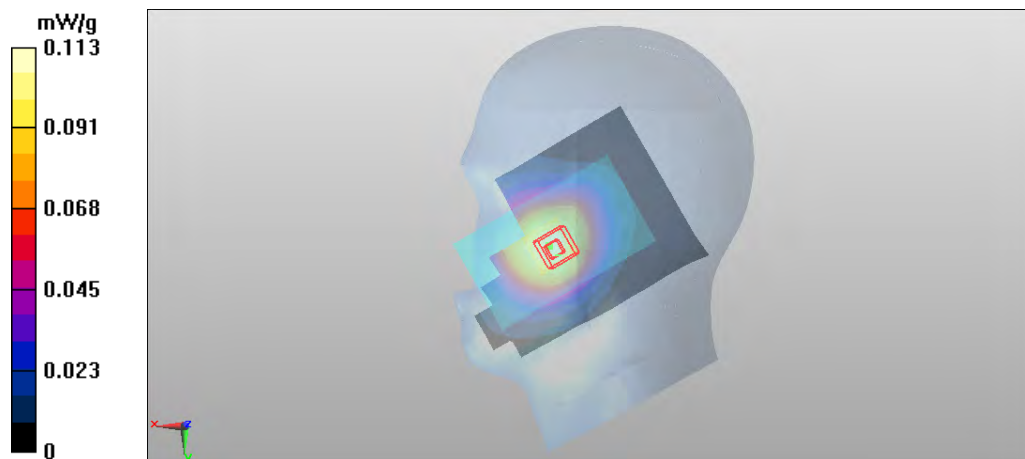
Peak SAR (extrapolated) = 0.133 mW/g

SAR(1 g) = 0.109 mW/g

SAR(10 g) = 0.084 mW/g

Power Drift = 0.12 dB

Maximum value of SAR (measured) = 0.114 mW/g



Date/Time: 2012-07-09 17:04:40

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE700

Frequency: 710 MHz; Duty Cycle: 1:1

Medium: HSL750; Medium Notes: t= 20.8 C

Medium parameters used: f = 710 MHz; $\sigma = 0.898$ mho/m; $\epsilon_r = 40.834$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: ES3DV3 - SN3165
- ConvF(6.13, 6.13, 6.13); Calibrated: 2012-02-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11
- Phantom: SAM #4 CRP ; Type: QD000P40CD; Serial: -
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

LTE - Right/Tilt - Middle - QPSK - 10MHz - 100% RB/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.0688 mW/g

LTE - Right/Tilt - Middle - QPSK - 10MHz - 100% RB/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 8.735 V/m

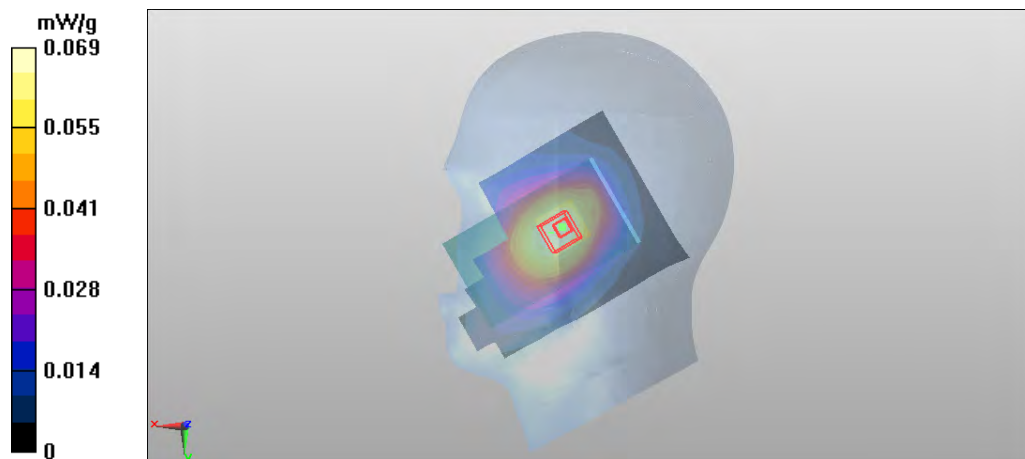
Peak SAR (extrapolated) = 0.076 mW/g

SAR(1 g) = 0.064 mW/g

SAR(10 g) = 0.051 mW/g

Power Drift = 0.03 dB

Maximum value of SAR (measured) = 0.0663 mW/g



Date/Time: 2012-07-09 04:26:13

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE700

Frequency: 710 MHz; Duty Cycle: 1:1

Medium: HSL750; Medium Notes: t= 20.8 C

Medium parameters used: f = 710 MHz; σ = 0.898 mho/m; ϵ_r = 40.834; ρ = 1000 kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3165
- ConvF(6.13, 6.13, 6.13); Calibrated: 2012-02-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11
- Phantom: SAM #4 CRP ; Type: QD000P40CD; Serial: -
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

LTE - Left/Cheek - Middle - QPSK - 10MHz - 50% RB - 50% offset/Area Scan (81x121x1): Measurement grid:

dx=15mm, dy=15mm

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

LTE - Left/Cheek - Middle - QPSK - 10MHz - 50% RB - 50% offset/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 3.931 V/m

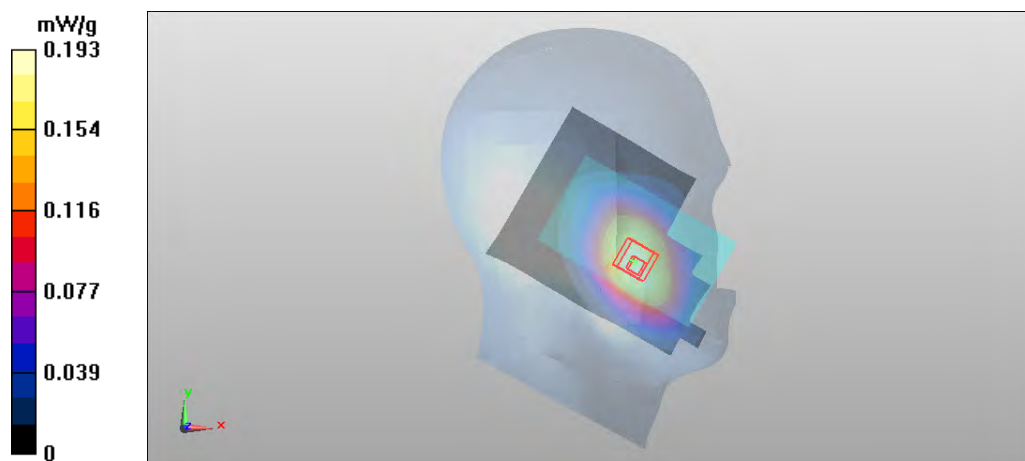
Peak SAR (extrapolated) = 0.234 mW/g

SAR(1 g) = 0.177 mW/g

SAR(10 g) = 0.133 mW/g

Power Drift = 0.44 dB

Maximum value of SAR (measured) = 0.186 mW/g



Date/Time: 2012-07-09 07:41:49

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE700

Frequency: 710 MHz; Duty Cycle: 1:1

Medium: HSL750; Medium Notes: t= 20.8 C

Medium parameters used: f = 710 MHz; σ = 0.898 mho/m; ϵ_r = 40.834; ρ = 1000 kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3165
- ConvF(6.13, 6.13, 6.13); Calibrated: 2012-02-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11
- Phantom: SAM #4 CRP ; Type: QD000P40CD; Serial: -
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

LTE - Left/Tilt - Middle - QPSK - 10MHz - 50% RB - 50% offset/Area Scan (81x121x1): Measurement grid:

dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.0943 mW/g

LTE - Left/Tilt - Middle - QPSK - 10MHz - 50% RB - 50% offset/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 10.106 V/m

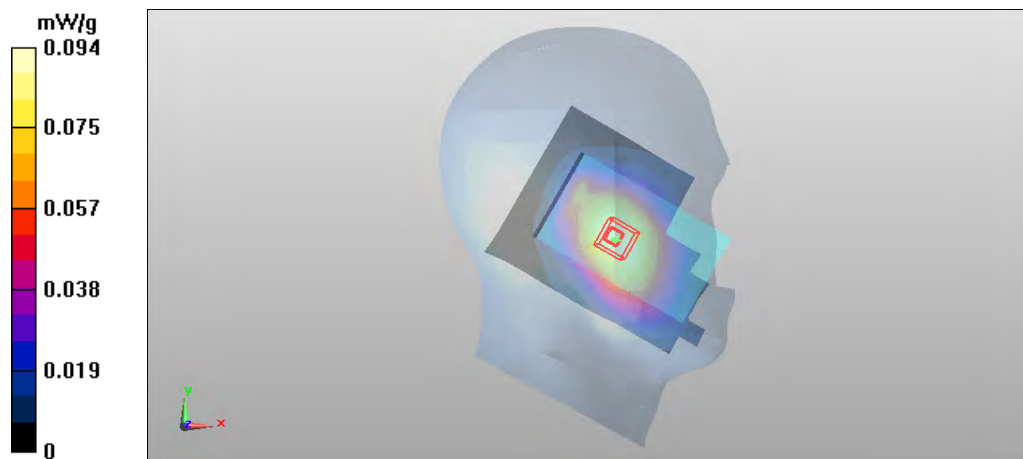
Peak SAR (extrapolated) = 0.106 mW/g

SAR(1 g) = 0.088 mW/g

SAR(10 g) = 0.069 mW/g

Power Drift = 0.01 dB

Maximum value of SAR (measured) = 0.0913 mW/g



Date/Time: 2012-07-09 14:29:41

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE700

Frequency: 710 MHz; Duty Cycle: 1:1

Medium: HSL750; Medium Notes: t= 20.8 C

Medium parameters used: f = 710 MHz; σ = 0.898 mho/m; ϵ_r = 40.834; ρ = 1000 kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: ES3DV3 - SN3165
- ConvF(6.13, 6.13, 6.13); Calibrated: 2012-02-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11
- Phantom: SAM #4 CRP ; Type: QD000P40CD; Serial: -
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

LTE - Right/Cheek - Middle - QPSK - 10MHz - 50% RB - 50% offset/Area Scan (81x121x1): Measurement grid:
dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.131 mW/g

LTE - Right/Cheek - Middle - QPSK - 10MHz - 50% RB - 50% offset/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 12.094 V/m

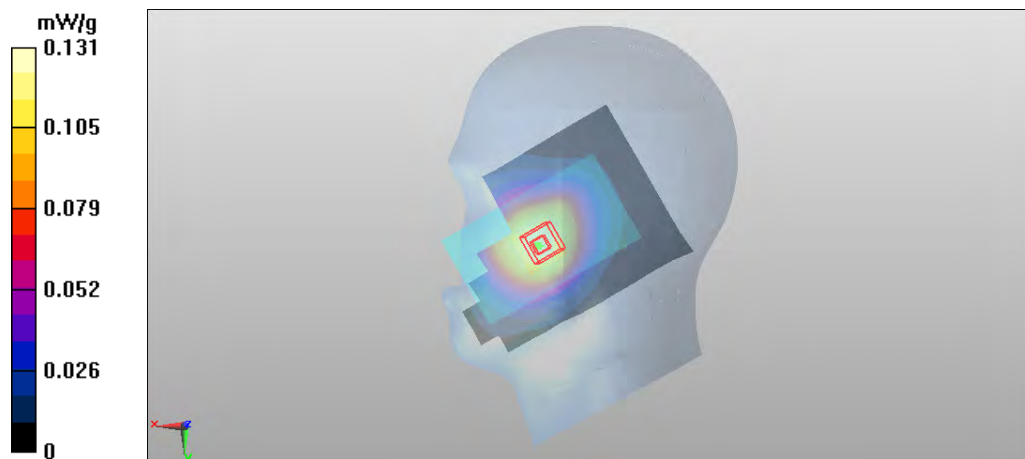
Peak SAR (extrapolated) = 0.147 mW/g

SAR(1 g) = 0.121 mW/g

SAR(10 g) = 0.094 mW/g

Power Drift = 0.06 dB

Maximum value of SAR (measured) = 0.127 mW/g



Date/Time: 2012-07-09 17:26:03

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE700

Frequency: 710 MHz; Duty Cycle: 1:1

Medium: HSL750; Medium Notes: t= 20.8 C

Medium parameters used: f = 710 MHz; σ = 0.898 mho/m; ϵ_r = 40.834; ρ = 1000 kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: ES3DV3 - SN3165
- ConvF(6.13, 6.13, 6.13); Calibrated: 2012-02-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11
- Phantom: SAM #4 CRP ; Type: QD000P40CD; Serial: -
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

LTE - Right/Tilt - Middle - QPSK - 10MHz - 50% RB - 50% offset/Area Scan (81x121x1): Measurement grid:

dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.0781 mW/g

LTE - Right/Tilt - Middle - QPSK - 10MHz - 50% RB - 50% offset/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 9.199 V/m

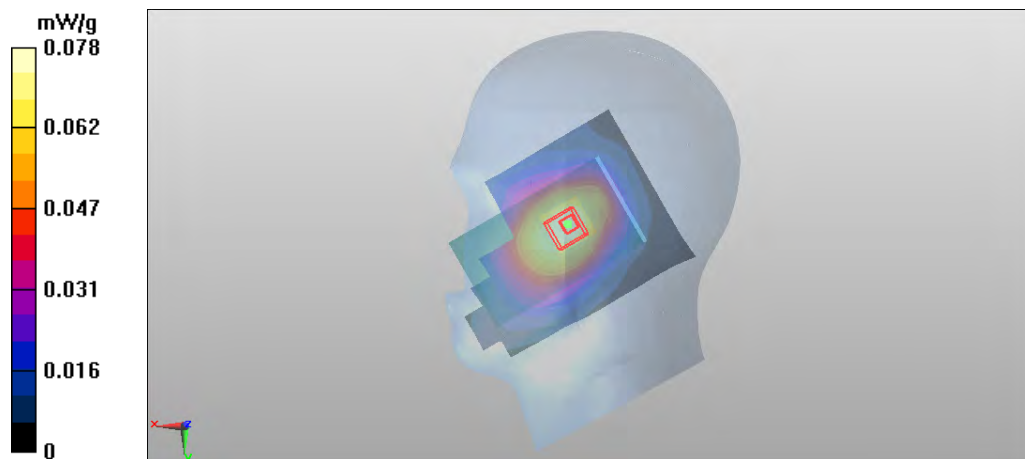
Peak SAR (extrapolated) = 0.087 mW/g

SAR(1 g) = 0.073 mW/g

SAR(10 g) = 0.058 mW/g

Power Drift = 0.07 dB

Maximum value of SAR (measured) = 0.0753 mW/g



Date/Time: 2012-07-09 04:59:06

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE700

Frequency: 710 MHz; Duty Cycle: 1:1

Medium: HSL750; Medium Notes: t= 20.8 C

Medium parameters used: f = 710 MHz; σ = 0.898 mho/m; ϵ_r = 40.834; ρ = 1000 kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3165
- ConvF(6.13, 6.13, 6.13); Calibrated: 2012-02-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11
- Phantom: SAM #4 CRP ; Type: QD000P40CD; Serial: -
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

LTE - Left/Cheek - Middle - QPSK - 10MHz - 1 RB - 50% offset/Area Scan (81x121x1): Measurement grid:

dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.244 mW/g

LTE - Left/Cheek - Middle - QPSK - 10MHz - 1 RB - 50% offset/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 16.335 V/m

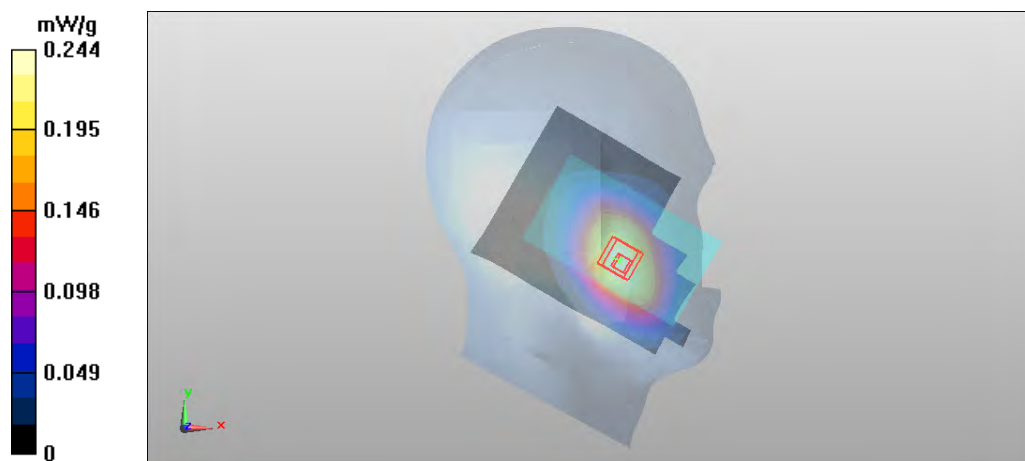
Peak SAR (extrapolated) = 0.288 mW/g

SAR(1 g) = 0.223 mW/g

SAR(10 g) = 0.167 mW/g

Power Drift = 0.12 dB

Maximum value of SAR (measured) = 0.233 mW/g



Date/Time: 2012-07-09 07:58:04

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE700

Frequency: 710 MHz; Duty Cycle: 1:1

Medium: HSL750; Medium Notes: t= 20.8 C

Medium parameters used: f = 710 MHz; $\sigma = 0.898$ mho/m; $\epsilon_r = 40.834$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3165
- ConvF(6.13, 6.13, 6.13); Calibrated: 2012-02-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11
- Phantom: SAM #4 CRP ; Type: QD000P40CD; Serial: -
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

LTE - Left/Tilt - Middle - QPSK - 10MHz - 1 RB - 50% offset/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.117 mW/g

LTE - Left/Tilt - Middle - QPSK - 10MHz - 1 RB - 50% offset/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 11.346 V/m

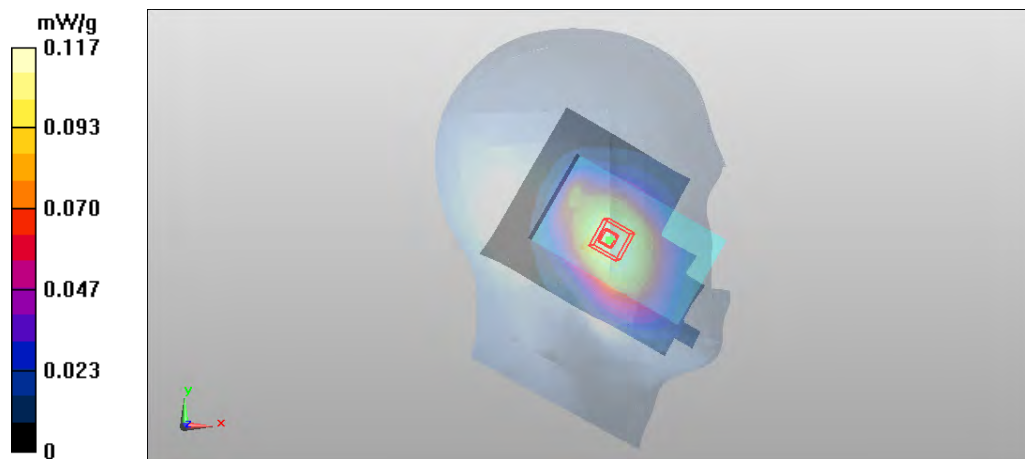
Peak SAR (extrapolated) = 0.133 mW/g

SAR(1 g) = 0.111 mW/g

SAR(10 g) = 0.087 mW/g

Power Drift = -0.02 dB

Maximum value of SAR (measured) = 0.115 mW/g



Date/Time: 2012-07-09 14:45:14

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE700

Frequency: 710 MHz; Duty Cycle: 1:1

Medium: HSL750; Medium Notes: t= 20.8 C

Medium parameters used: f = 710 MHz; σ = 0.898 mho/m; ϵ_r = 40.834; ρ = 1000 kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: ES3DV3 - SN3165
- ConvF(6.13, 6.13, 6.13); Calibrated: 2012-02-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11
- Phantom: SAM #4 CRP ; Type: QD000P40CD; Serial: -
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

LTE - Right/Cheek - Middle - QPSK - 10MHz - 1 RB - 50% offset/Area Scan (81x121x1): Measurement grid:

dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.165 mW/g

LTE - Right/Cheek - Middle - QPSK - 10MHz - 1 RB - 50% offset/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 13.568 V/m

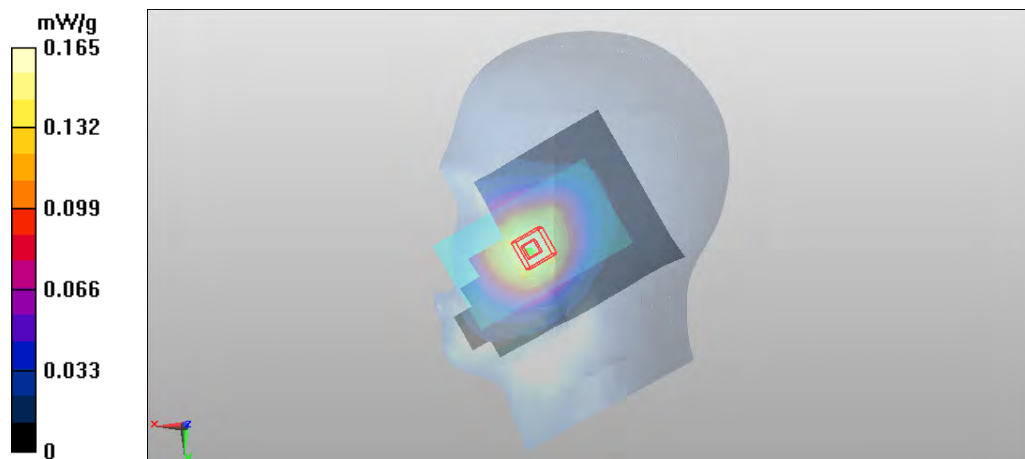
Peak SAR (extrapolated) = 0.186 mW/g

SAR(1 g) = 0.154 mW/g

SAR(10 g) = 0.119 mW/g

Power Drift = 0.06 dB

Maximum value of SAR (measured) = 0.161 mW/g



Date/Time: 2012-07-09 17:41:45

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE700

Frequency: 710 MHz; Duty Cycle: 1:1

Medium: HSL750; Medium Notes: t= 20.8 C

Medium parameters used: f = 710 MHz; σ = 0.898 mho/m; ϵ_r = 40.834; ρ = 1000 kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: ES3DV3 - SN3165
- ConvF(6.13, 6.13, 6.13); Calibrated: 2012-02-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11
- Phantom: SAM #4 CRP ; Type: QD000P40CD; Serial: -
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

LTE - Right/Tilt - Middle - QPSK - 10MHz - 1 RB - 50% offset/Area Scan (81x121x1): Measurement grid:

dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.0997 mW/g

LTE - Right/Tilt - Middle - QPSK - 10MHz - 1 RB - 50% offset/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 10.403 V/m

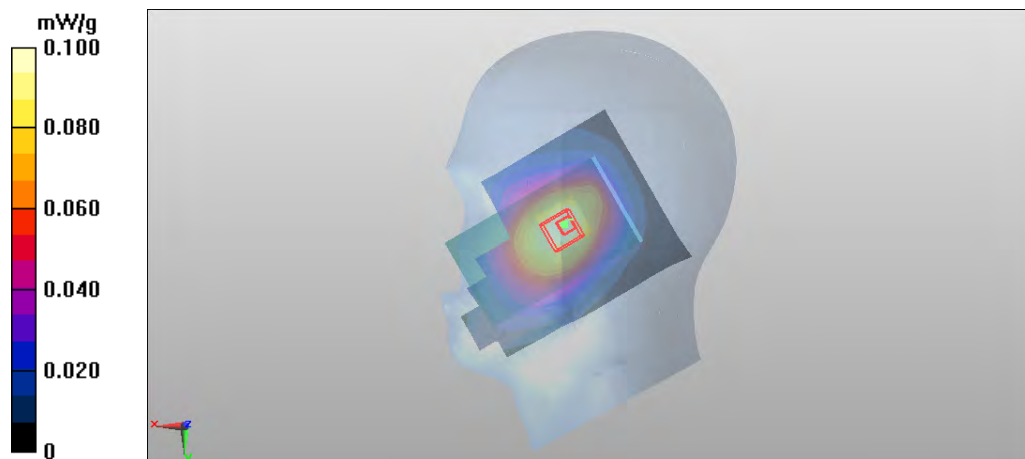
Peak SAR (extrapolated) = 0.110 mW/g

SAR(1 g) = 0.091 mW/g

SAR(10 g) = 0.072 mW/g

Power Drift = 0.02 dB

Maximum value of SAR (measured) = 0.0948 mW/g



Date/Time: 2012-07-09 04:42:09

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE700

Frequency: 710 MHz; Duty Cycle: 1:1

Medium: HSL750; Medium Notes: t= 20.8 C

Medium parameters used: f = 710 MHz; σ = 0.898 mho/m; ϵ_r = 40.834; ρ = 1000 kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3165
- ConvF(6.13, 6.13, 6.13); Calibrated: 2012-02-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11
- Phantom: SAM #4 CRP ; Type: QD000P40CD; Serial: -
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

LTE - Left/Cheek - Middle - QPSK - 10MHz - 1 RB - 100% offset/Area Scan (81x121x1): Measurement grid:

dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.190 mW/g

LTE - Left/Cheek - Middle - QPSK - 10MHz - 1 RB - 100% offset/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 14.493 V/m

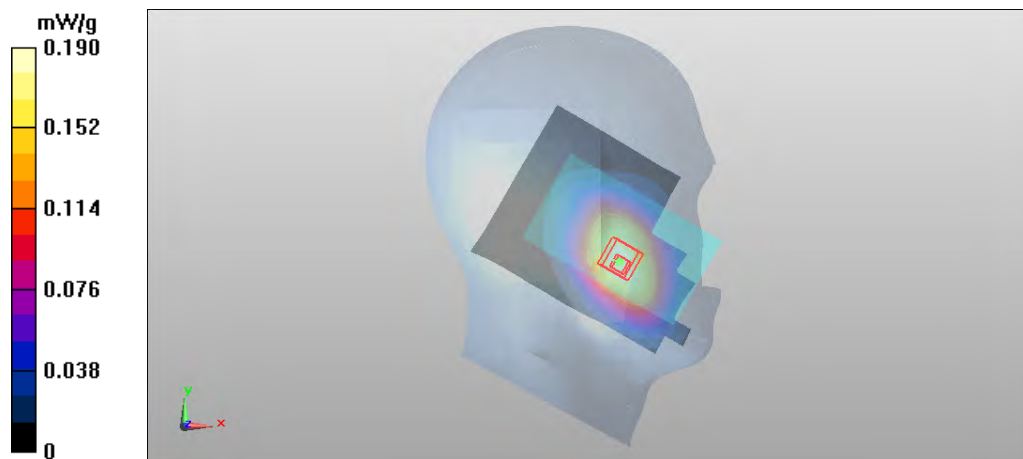
Peak SAR (extrapolated) = 0.234 mW/g

SAR(1 g) = 0.177 mW/g

SAR(10 g) = 0.132 mW/g

Power Drift = 0.07 dB

Maximum value of SAR (measured) = 0.185 mW/g



Date/Time: 2012-07-09 08:14:21

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE700

Frequency: 710 MHz; Duty Cycle: 1:1

Medium: HSL750; Medium Notes: t= 20.8 C

Medium parameters used: f = 710 MHz; σ = 0.898 mho/m; ϵ_r = 40.834; ρ = 1000 kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3165
- ConvF(6.13, 6.13, 6.13); Calibrated: 2012-02-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11
- Phantom: SAM #4 CRP ; Type: QD000P40CD; Serial: -
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

LTE - Left/Tilt - Middle - QPSK - 10MHz - 1 RB - 100% offset/Area Scan (81x121x1): Measurement grid:

dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.0944 mW/g

LTE - Left/Tilt - Middle - QPSK - 10MHz - 1 RB - 100% offset/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 10.064 V/m

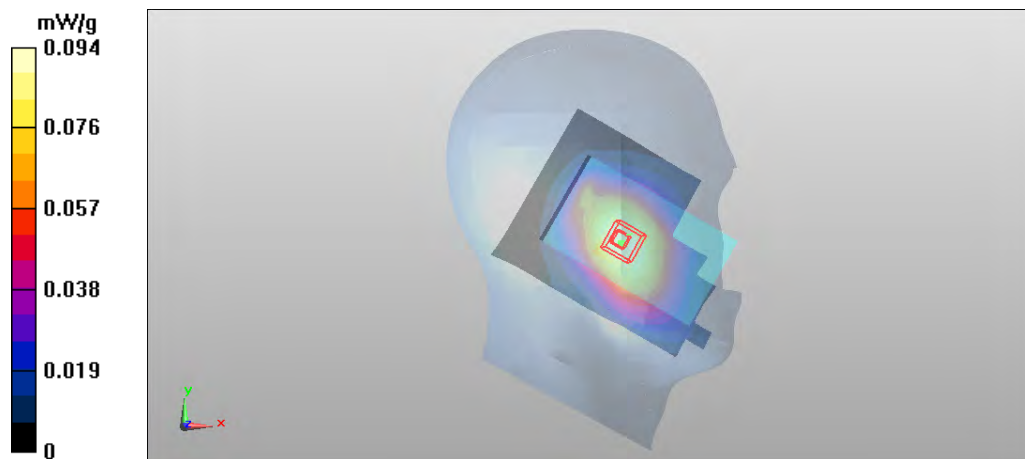
Peak SAR (extrapolated) = 0.106 mW/g

SAR(1 g) = 0.089 mW/g

SAR(10 g) = 0.070 mW/g

Power Drift = 0.14 dB

Maximum value of SAR (measured) = 0.0915 mW/g



Date/Time: 2012-07-09 15:06:53

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE700

Frequency: 710 MHz; Duty Cycle: 1:1

Medium: HSL750; Medium Notes: $t = 20.8$ C

Medium parameters used: $f = 710$ MHz; $\sigma = 0.898$ mho/m; $\epsilon_r = 40.834$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: ES3DV3 - SN3165
- ConvF(6.13, 6.13, 6.13); Calibrated: 2012-02-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11
- Phantom: SAM #4 CRP ; Type: QD000P40CD; Serial: -
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

LTE - Right/Cheek - Middle - QPSK - 10MHz - 1 RB - 100% offset/Area Scan (81x121x1): Measurement grid:

$dx=15$ mm, $dy=15$ mm

Maximum value of SAR (interpolated) = 0.130 mW/g

LTE - Right/Cheek - Middle - QPSK - 10MHz - 1 RB - 100% offset/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

$dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 12.186 V/m

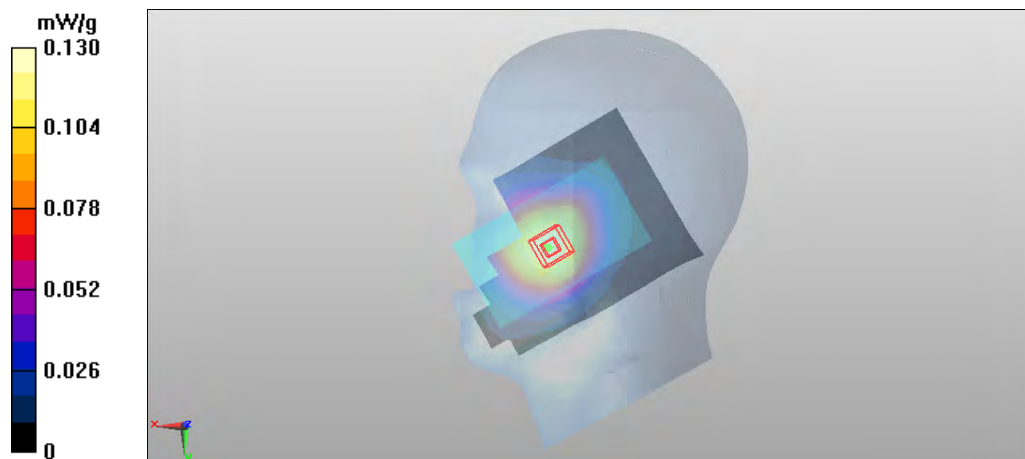
Peak SAR (extrapolated) = 0.148 mW/g

SAR(1 g) = 0.122 mW/g

SAR(10 g) = 0.095 mW/g

Power Drift = 0.02 dB

Maximum value of SAR (measured) = 0.128 mW/g



Date/Time: 2012-07-09 17:57:34

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE700

Frequency: 710 MHz; Duty Cycle: 1:1

Medium: HSL750; Medium Notes: t= 20.8 C

Medium parameters used: f = 710 MHz; σ = 0.898 mho/m; ϵ_r = 40.834; ρ = 1000 kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: ES3DV3 - SN3165
- ConvF(6.13, 6.13, 6.13); Calibrated: 2012-02-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11
- Phantom: SAM #4 CRP ; Type: QD000P40CD; Serial: -
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

LTE - Right/Tilt - Middle - QPSK - 10MHz - 1 RB - 100% offset/Area Scan (81x121x1): Measurement grid:

dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.0784 mW/g

LTE - Right/Tilt - Middle - QPSK - 10MHz - 1 RB - 100% offset/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 9.321 V/m

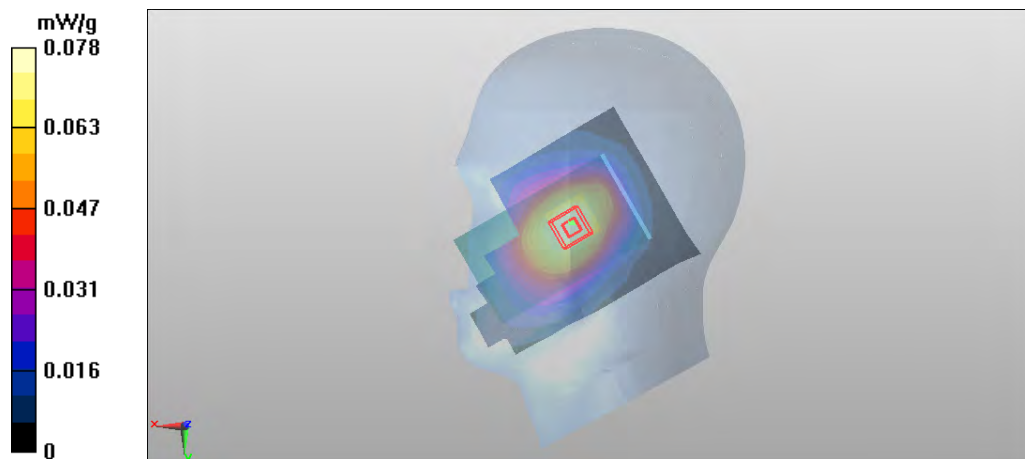
Peak SAR (extrapolated) = 0.087 mW/g

SAR(1 g) = 0.073 mW/g

SAR(10 g) = 0.058 mW/g

Power Drift = 0.06 dB

Maximum value of SAR (measured) = 0.0758 mW/g



Date/Time: 2012-07-09 20:07:29

Test Laboratory: TCC Nokia
Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE700

Frequency: 709 MHz; Duty Cycle: 1:1

Medium: HSL750; Medium Notes: t= 20.8 C

Medium parameters used: f = 709 MHz; $\sigma = 0.897$ mho/m; $\epsilon_r = 40.843$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3165
- ConvF(6.13, 6.13, 6.13); Calibrated: 2012-02-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11
- Phantom: SAM #4 CRP ; Type: QD000P40CD; Serial: -
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

LTE - Left/Cheek - Low - QPSK - 10MHz - 1 RB - 0% offset/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.248 mW/g

LTE - Left/Cheek - Low - QPSK - 10MHz - 1 RB - 0% offset/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 16.586 V/m

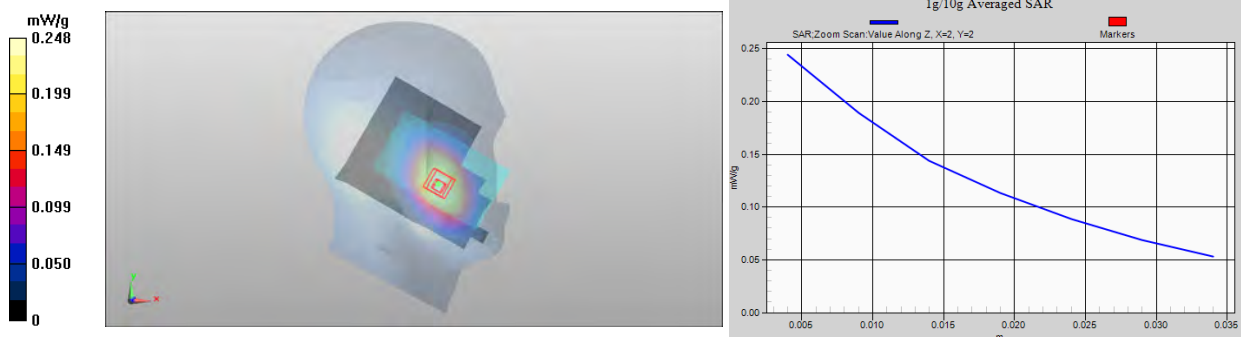
Peak SAR (extrapolated) = 0.303 mW/g

SAR(1 g) = 0.231 mW/g

SAR(10 g) = 0.171 mW/g

Power Drift = 0.10 dB

Maximum value of SAR (measured) = 0.244 mW/g



Date/Time: 2012-07-09 08:34:56

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE700

Frequency: 710 MHz; Duty Cycle: 1:1

Medium: HSL750; Medium Notes: t= 20.8 C

Medium parameters used: f = 710 MHz; σ = 0.898 mho/m; ϵ_r = 40.834; ρ = 1000 kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3165
- ConvF(6.13, 6.13, 6.13); Calibrated: 2012-02-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11
- Phantom: SAM #4 CRP ; Type: QD000P40CD; Serial: -
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

LTE - Left/Tilt - Middle - QPSK - 10MHz - 1 RB - 0% offset/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.125 mW/g

LTE - Left/Tilt - Middle - QPSK - 10MHz - 1 RB - 0% offset/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 11.728 V/m

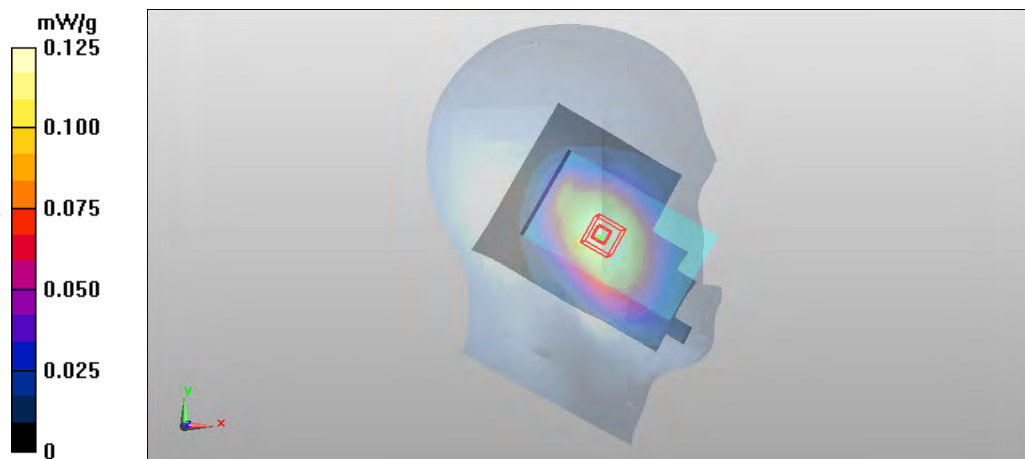
Peak SAR (extrapolated) = 0.141 mW/g

SAR(1 g) = 0.119 mW/g

SAR(10 g) = 0.094 mW/g

Power Drift = 0.01 dB

Maximum value of SAR (measured) = 0.123 mW/g



Date/Time: 2012-07-09 15:23:03

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE700

Frequency: 710 MHz; Duty Cycle: 1:1

Medium: HSL750; Medium Notes: t= 20.8 C

Medium parameters used: f = 710 MHz; σ = 0.898 mho/m; ϵ_r = 40.834; ρ = 1000 kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: ES3DV3 - SN3165
- ConvF(6.13, 6.13, 6.13); Calibrated: 2012-02-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11
- Phantom: SAM #4 CRP ; Type: QD000P40CD; Serial: -
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

LTE - Right/Cheek - Middle - QPSK - 10MHz - 1 RB - 0% offset/Area Scan (81x121x1): Measurement grid:

dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.169 mW/g

LTE - Right/Cheek - Middle - QPSK - 10MHz - 1 RB - 0% offset/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 13.848 V/m

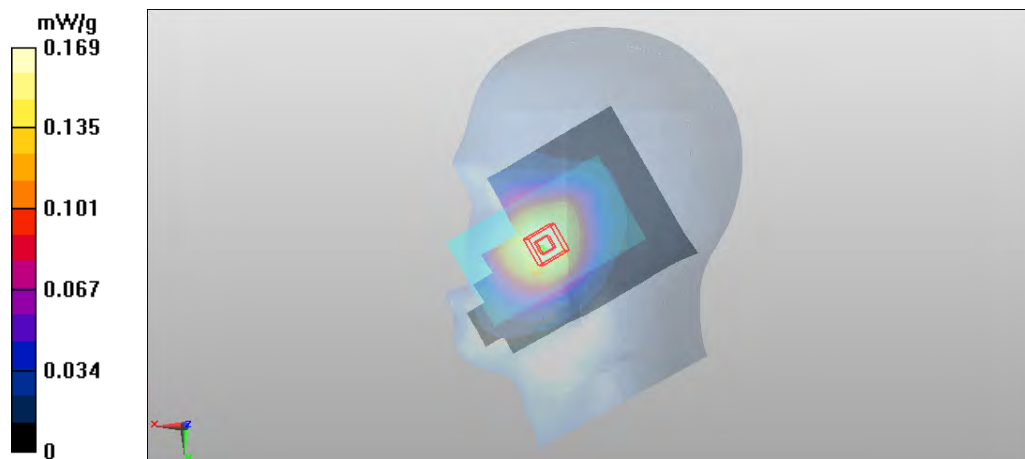
Peak SAR (extrapolated) = 0.193 mW/g

SAR(1 g) = 0.159 mW/g

SAR(10 g) = 0.123 mW/g

Power Drift = 0.07 dB

Maximum value of SAR (measured) = 0.165 mW/g



Date/Time: 2012-07-09 18:13:18

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE700

Frequency: 710 MHz; Duty Cycle: 1:1

Medium: HSL750; Medium Notes: t= 20.8 C

Medium parameters used: f = 710 MHz; σ = 0.898 mho/m; ϵ_r = 40.834; ρ = 1000 kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: ES3DV3 - SN3165
- ConvF(6.13, 6.13, 6.13); Calibrated: 2012-02-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11
- Phantom: SAM #4 CRP ; Type: QD000P40CD; Serial: -
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

LTE - Right/Tilt - Middle - QPSK - 10MHz - 1 RB - 0% offset/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.0966 mW/g

LTE - Right/Tilt - Middle - QPSK - 10MHz - 1 RB - 0% offset/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 10.240 V/m

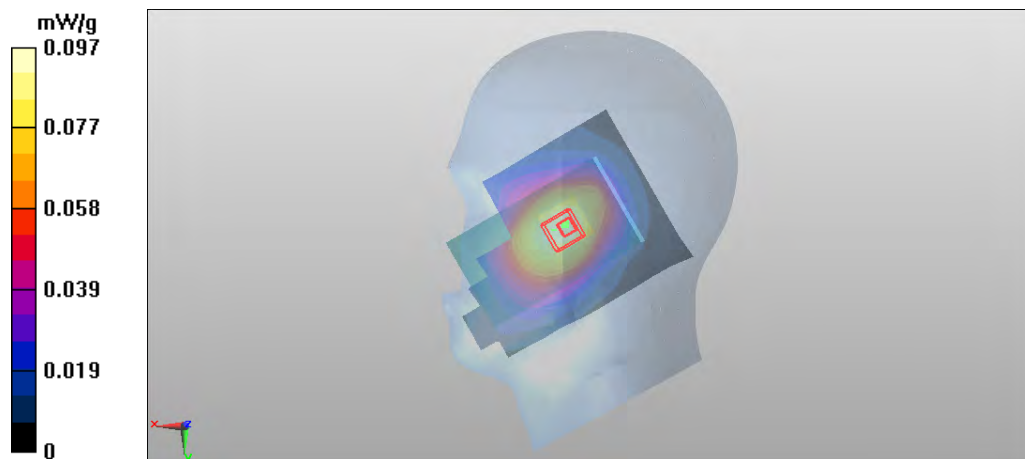
Peak SAR (extrapolated) = 0.108 mW/g

SAR(1 g) = 0.090 mW/g

SAR(10 g) = 0.072 mW/g

Power Drift = 0.07 dB

Maximum value of SAR (measured) = 0.0935 mW/g



Date/Time: 2012-07-09 05:40:32

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE700

Frequency: 710 MHz; Duty Cycle: 1:1

Medium: HSL750; Medium Notes: t= 20.8 C

Medium parameters used: f = 710 MHz; σ = 0.898 mho/m; ϵ_r = 40.834; ρ = 1000 kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3165
- ConvF(6.13, 6.13, 6.13); Calibrated: 2012-02-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11
- Phantom: SAM #4 CRP ; Type: QD000P40CD; Serial: -
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

LTE - Left/Cheek - Middle - 16QAM - 10MHz - 100% RB/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.141 mW/g

LTE - Left/Cheek - Middle - 16QAM - 10MHz - 100% RB/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 12.522 V/m

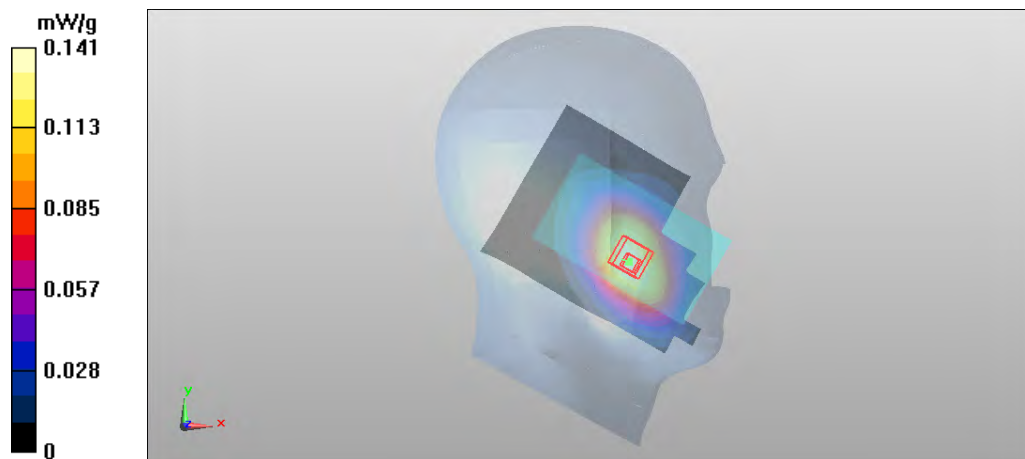
Peak SAR (extrapolated) = 0.173 mW/g

SAR(1 g) = 0.131 mW/g

SAR(10 g) = 0.098 mW/g

Power Drift = 0.08 dB

Maximum value of SAR (measured) = 0.139 mW/g



Date/Time: 2012-07-09 08:52:07

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE700

Frequency: 710 MHz; Duty Cycle: 1:1

Medium: HSL750; Medium Notes: t= 20.8 C

Medium parameters used: f = 710 MHz; σ = 0.898 mho/m; ϵ_r = 40.834; ρ = 1000 kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3165
- ConvF(6.13, 6.13, 6.13); Calibrated: 2012-02-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11
- Phantom: SAM #4 CRP ; Type: QD000P40CD; Serial: -
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

LTE - Left/Tilt - Middle - 16QAM - 10MHz - 100% RB/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.0721 mW/g

LTE - Left/Tilt - Middle - 16QAM - 10MHz - 100% RB/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 8.822 V/m

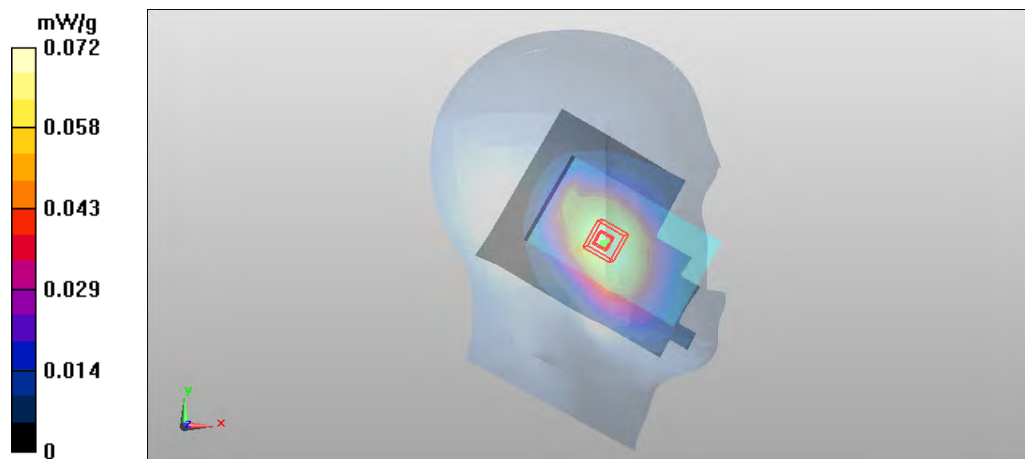
Peak SAR (extrapolated) = 0.081 mW/g

SAR(1 g) = 0.068 mW/g

SAR(10 g) = 0.053 mW/g

Power Drift = 0.08 dB

Maximum value of SAR (measured) = 0.0706 mW/g



Date/Time: 2012-07-09 15:38:49

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE700

Frequency: 710 MHz; Duty Cycle: 1:1

Medium: HSL750; Medium Notes: t= 20.8 C

Medium parameters used: f = 710 MHz; σ = 0.898 mho/m; ϵ_r = 40.834; ρ = 1000 kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: ES3DV3 - SN3165
- ConvF(6.13, 6.13, 6.13); Calibrated: 2012-02-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11
- Phantom: SAM #4 CRP ; Type: QD000P40CD; Serial: -
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

LTE - Right/Cheek - Middle - 16QAM - 10MHz - 100% RB/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.0926 mW/g

LTE - Right/Cheek - Middle - 16QAM - 10MHz - 100% RB/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 10.229 V/m

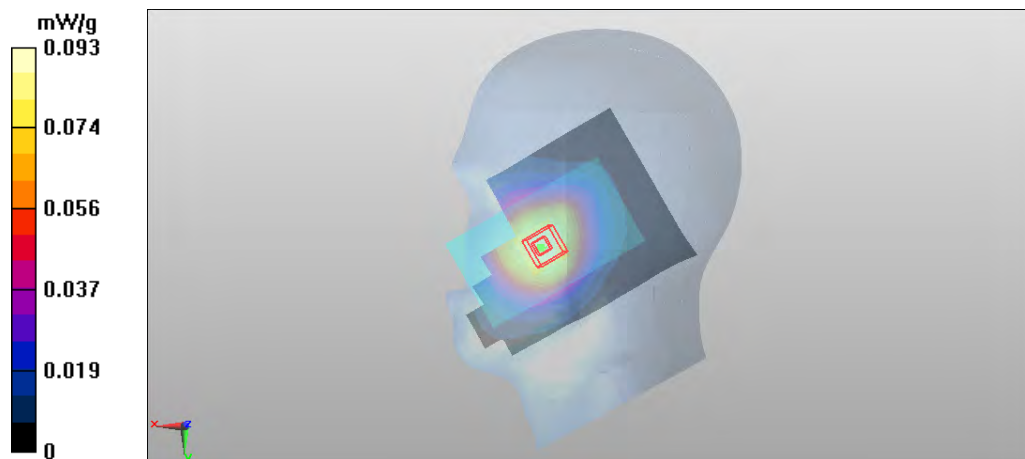
Peak SAR (extrapolated) = 0.108 mW/g

SAR(1 g) = 0.087 mW/g

SAR(10 g) = 0.068 mW/g

Power Drift = 0.10 dB

Maximum value of SAR (measured) = 0.0916 mW/g



Date/Time: 2012-07-09 18:35:08

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE700

Frequency: 710 MHz; Duty Cycle: 1:1

Medium: HSL750; Medium Notes: t= 20.8 C

Medium parameters used: f = 710 MHz; σ = 0.898 mho/m; ϵ_r = 40.834; ρ = 1000 kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: ES3DV3 - SN3165
- ConvF(6.13, 6.13, 6.13); Calibrated: 2012-02-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11
- Phantom: SAM #4 CRP ; Type: QD000P40CD; Serial: -
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

LTE - Right/Tilt - Middle - 16QAM - 10MHz - 100% RB/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.0600 mW/g

LTE - Right/Tilt - Middle - 16QAM - 10MHz - 100% RB/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 8.134 V/m

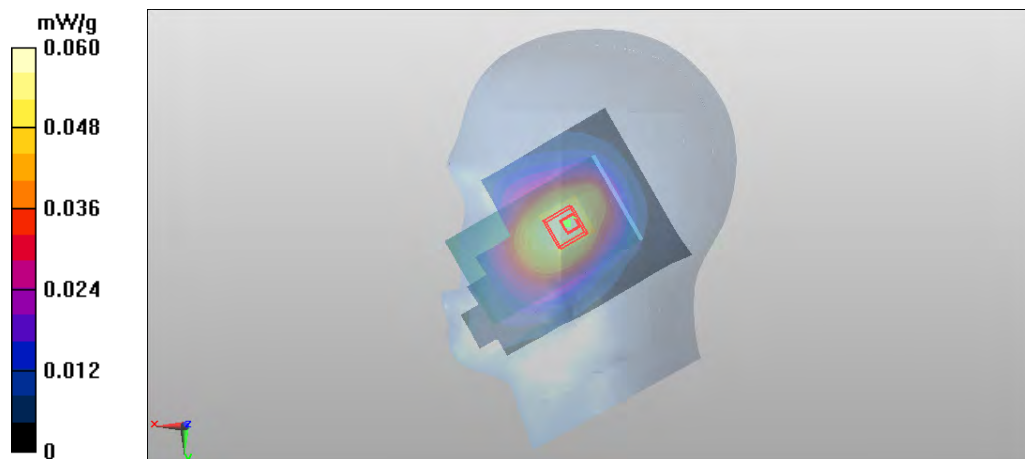
Peak SAR (extrapolated) = 0.067 mW/g

SAR(1 g) = 0.055 mW/g

SAR(10 g) = 0.043 mW/g

Power Drift = 0.06 dB

Maximum value of SAR (measured) = 0.0572 mW/g



Date/Time: 2012-07-09 05:56:20

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE700

Frequency: 710 MHz; Duty Cycle: 1:1

Medium: HSL750; Medium Notes: t= 20.8 C

Medium parameters used: f = 710 MHz; σ = 0.898 mho/m; ϵ_r = 40.834; ρ = 1000 kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3165
- ConvF(6.13, 6.13, 6.13); Calibrated: 2012-02-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11
- Phantom: SAM #4 CRP ; Type: QD000P40CD; Serial: -
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

LTE - Left/Cheek - Middle - 16QAM - 10MHz - 50% RB - 50% offset/Area Scan (81x121x1): Measurement grid:
dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.163 mW/g

LTE - Left/Cheek - Middle - 16QAM - 10MHz - 50% RB - 50% offset/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 13.288 V/m

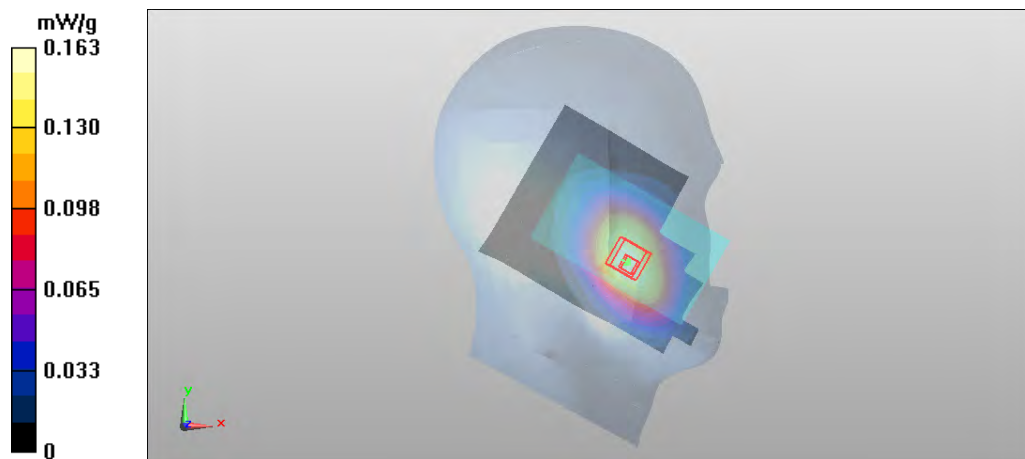
Peak SAR (extrapolated) = 0.200 mW/g

SAR(1 g) = 0.150 mW/g

SAR(10 g) = 0.112 mW/g

Power Drift = 0.14 dB

Maximum value of SAR (measured) = 0.157 mW/g



Date/Time: 2012-07-09 09:09:22

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE700

Frequency: 710 MHz; Duty Cycle: 1:1

Medium: HSL750; Medium Notes: t= 20.8 C

Medium parameters used: f = 710 MHz; σ = 0.898 mho/m; ϵ_r = 40.834; ρ = 1000 kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3165
- ConvF(6.13, 6.13, 6.13); Calibrated: 2012-02-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11
- Phantom: SAM #4 CRP ; Type: QD000P40CD; Serial: -
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

LTE - Left/Tilt - Middle - 16QAM - 10MHz - 50% RB - 50 % offset/Area Scan (81x121x1): Measurement grid:

dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.0835 mW/g

LTE - Left/Tilt - Middle - 16QAM - 10MHz - 50% RB - 50 % offset/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 9.500 V/m

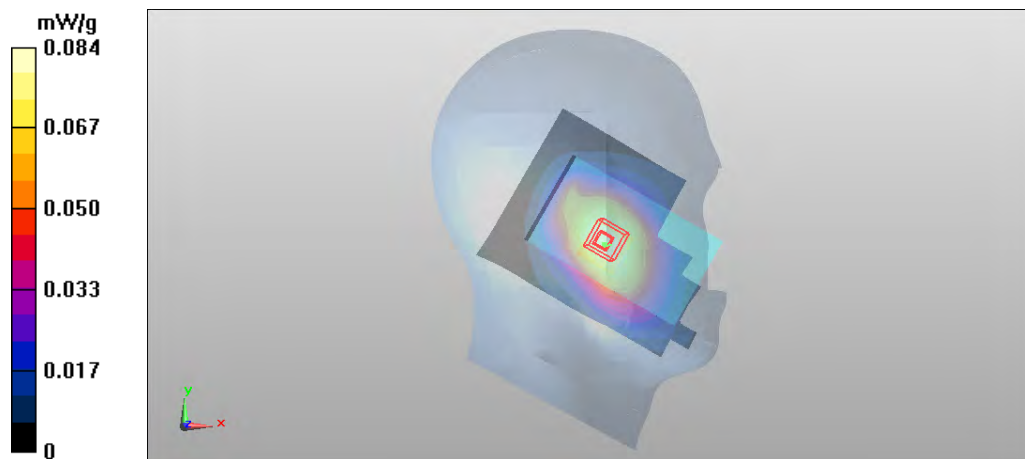
Peak SAR (extrapolated) = 0.095 mW/g

SAR(1 g) = 0.078 mW/g

SAR(10 g) = 0.061 mW/g

Power Drift = 0.08 dB

Maximum value of SAR (measured) = 0.0811 mW/g



Date/Time: 2012-07-09 15:54:39

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE700

Frequency: 710 MHz; Duty Cycle: 1:1

Medium: HSL750; Medium Notes: $t = 20.8$ C

Medium parameters used: $f = 710$ MHz; $\sigma = 0.898$ mho/m; $\epsilon_r = 40.834$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: ES3DV3 - SN3165
- ConvF(6.13, 6.13, 6.13); Calibrated: 2012-02-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11
- Phantom: SAM #4 CRP ; Type: QD000P40CD; Serial: -
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

LTE - Right/Cheek - Middle - 16QAM - 10MHz - 50% RB - 50% offset/Area Scan (81x121x1): Measurement grid:
dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.106 mW/g

LTE - Right/Cheek - Middle - 16QAM - 10MHz - 50% RB - 50% offset/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 10.918 V/m

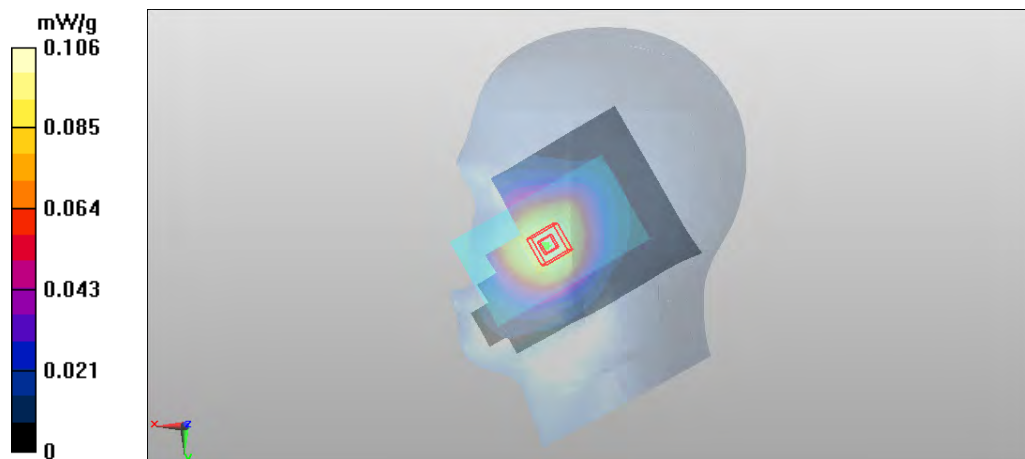
Peak SAR (extrapolated) = 0.120 mW/g

SAR(1 g) = 0.100 mW/g

SAR(10 g) = 0.077 mW/g

Power Drift = 0.09 dB

Maximum value of SAR (measured) = 0.105 mW/g



Date/Time: 2012-07-09 18:51:03

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE700

Frequency: 710 MHz; Duty Cycle: 1:1

Medium: HSL750; Medium Notes: t= 20.8 C

Medium parameters used: f = 710 MHz; σ = 0.898 mho/m; ϵ_r = 40.834; ρ = 1000 kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: ES3DV3 - SN3165
- ConvF(6.13, 6.13, 6.13); Calibrated: 2012-02-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11
- Phantom: SAM #4 CRP ; Type: QD000P40CD; Serial: -
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

LTE - Right/Tilt - Middle - 16QAM - 10MHz - 50% RB - 50% offset/Area Scan (81x121x1): Measurement grid:

dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.0685 mW/g

LTE - Right/Tilt - Middle - 16QAM - 10MHz - 50% RB - 50% offset/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 8.678 V/m

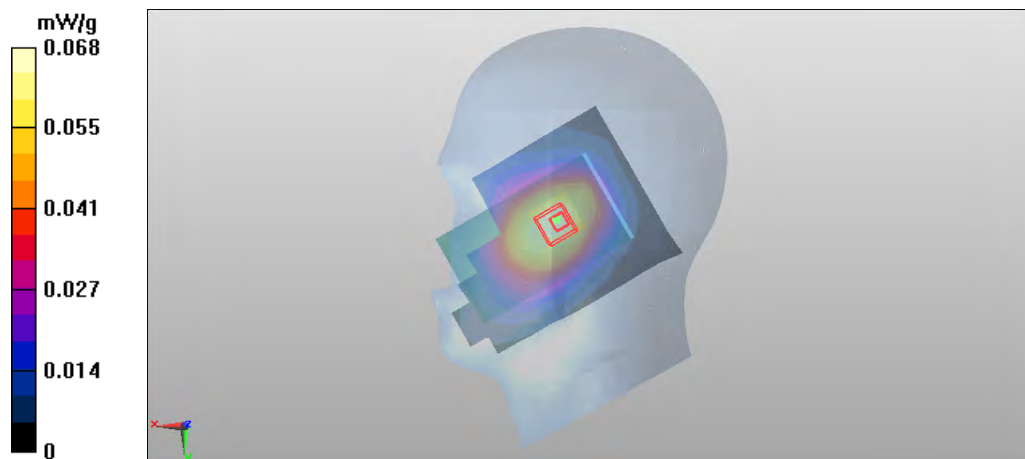
Peak SAR (extrapolated) = 0.076 mW/g

SAR(1 g) = 0.063 mW/g

SAR(10 g) = 0.050 mW/g

Power Drift = 0.02 dB

Maximum value of SAR (measured) = 0.0656 mW/g



Date/Time: 2012-07-09 06:14:07

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE700

Frequency: 710 MHz; Duty Cycle: 1:1

Medium: HSL750; Medium Notes: t= 20.8 C

Medium parameters used: f = 710 MHz; σ = 0.898 mho/m; ϵ_r = 40.834; ρ = 1000 kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3165
- ConvF(6.13, 6.13, 6.13); Calibrated: 2012-02-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11
- Phantom: SAM #4 CRP ; Type: QD000P40CD; Serial: -
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

LTE - Left/Cheek - Middle - 16QAM - 10MHz - 1 RB - 50% offset/Area Scan (81x121x1): Measurement grid:

dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.188 mW/g

LTE - Left/Cheek - Middle - 16QAM - 10MHz - 1 RB - 50% offset/Zoom Scan (6x6x7)/Cube 0: Measurement grid:

dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 14.586 V/m

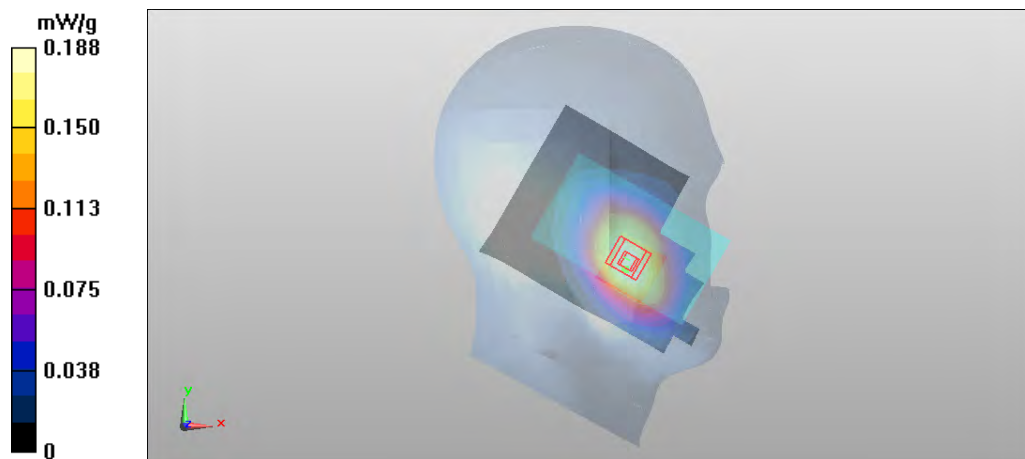
Peak SAR (extrapolated) = 0.238 mW/g

SAR(1 g) = 0.177 mW/g

SAR(10 g) = 0.133 mW/g

Power Drift = 0.14 dB

Maximum value of SAR (measured) = 0.184 mW/g



Date/Time: 2012-07-09 09:27:13

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE700

Frequency: 710 MHz; Duty Cycle: 1:1

Medium: HSL750; Medium Notes: t= 20.8 C

Medium parameters used: f = 710 MHz; σ = 0.898 mho/m; ϵ_r = 40.834; ρ = 1000 kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3165
- ConvF(6.13, 6.13, 6.13); Calibrated: 2012-02-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11
- Phantom: SAM #4 CRP ; Type: QD000P40CD; Serial: -
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

LTE - Left/Tilt - Middle - 16QAM - 10MHz - 1 RB - 50 % offset/Area Scan (81x121x1): Measurement grid:

dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.0770 mW/g

LTE - Left/Tilt - Middle - 16QAM - 10MHz - 1 RB - 50 % offset/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 8.974 V/m

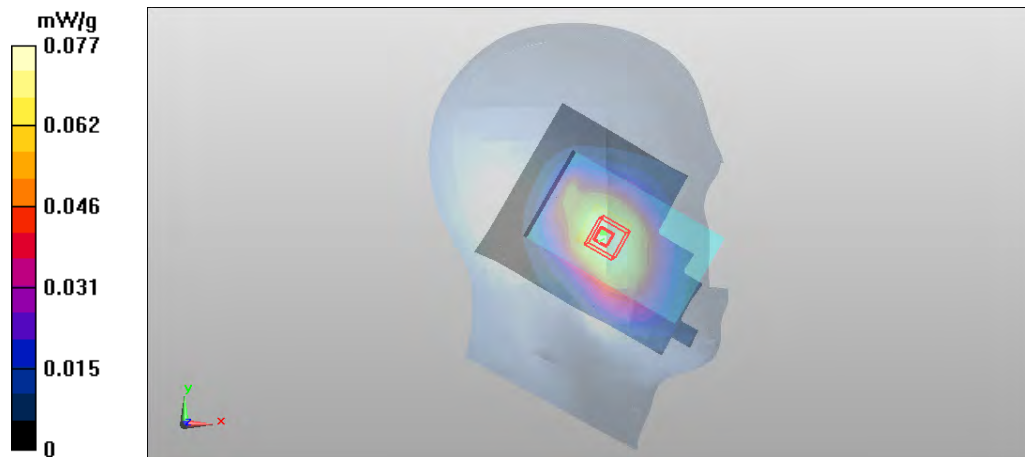
Peak SAR (extrapolated) = 0.086 mW/g

SAR(1 g) = 0.072 mW/g

SAR(10 g) = 0.056 mW/g

Power Drift = 0.22 dB

Maximum value of SAR (measured) = 0.0751 mW/g



Date/Time: 2012-07-09 16:13:41

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE700

Frequency: 710 MHz; Duty Cycle: 1:1

Medium: HSL750; Medium Notes: t= 20.8 C

Medium parameters used: f = 710 MHz; $\sigma = 0.898$ mho/m; $\epsilon_r = 40.834$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: ES3DV3 - SN3165
- ConvF(6.13, 6.13, 6.13); Calibrated: 2012-02-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11
- Phantom: SAM #4 CRP ; Type: QD000P40CD; Serial: -
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

LTE - Right/Cheek - Middle - 16QAM - 10MHz - 1 RB - 50% offset/Area Scan (81x121x1): Measurement grid:

dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.132 mW/g

LTE - Right/Cheek - Middle - 16QAM - 10MHz - 1 RB - 50% offset/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 12.412 V/m

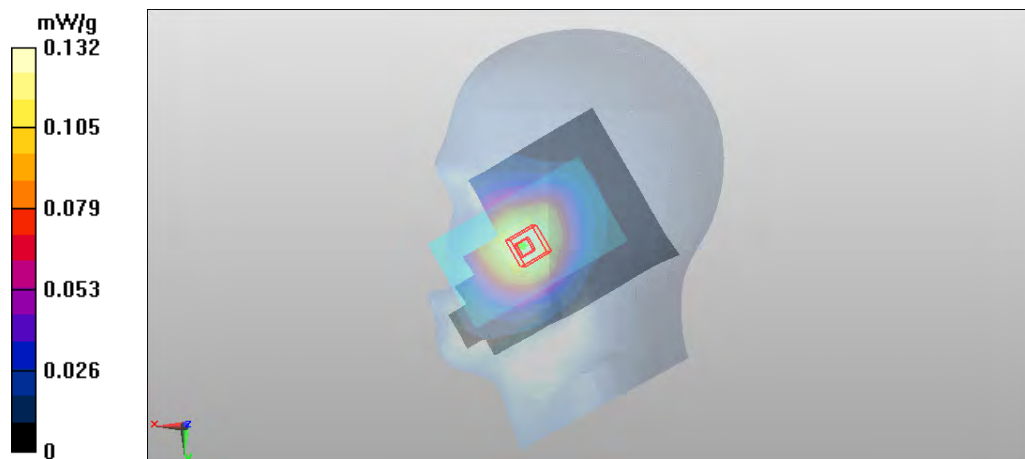
Peak SAR (extrapolated) = 0.150 mW/g

SAR(1 g) = 0.121 mW/g

SAR(10 g) = 0.095 mW/g

Power Drift = -0.21 dB

Maximum value of SAR (measured) = 0.126 mW/g



Date/Time: 2012-07-09 19:11:08

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE700

Frequency: 710 MHz; Duty Cycle: 1:1

Medium: HSL750; Medium Notes: t= 20.8 C

Medium parameters used: f = 710 MHz; σ = 0.898 mho/m; ϵ_r = 40.834; ρ = 1000 kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: ES3DV3 - SN3165
- ConvF(6.13, 6.13, 6.13); Calibrated: 2012-02-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11
- Phantom: SAM #4 CRP ; Type: QD000P40CD; Serial: -
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

LTE - Right/Tilt - Middle - 16QAM - 10MHz - 1 RB - 50% offset/Area Scan (81x121x1): Measurement grid:

dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.0825 mW/g

LTE - Right/Tilt - Middle - 16QAM - 10MHz - 1 RB - 50% offset/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 9.490 V/m

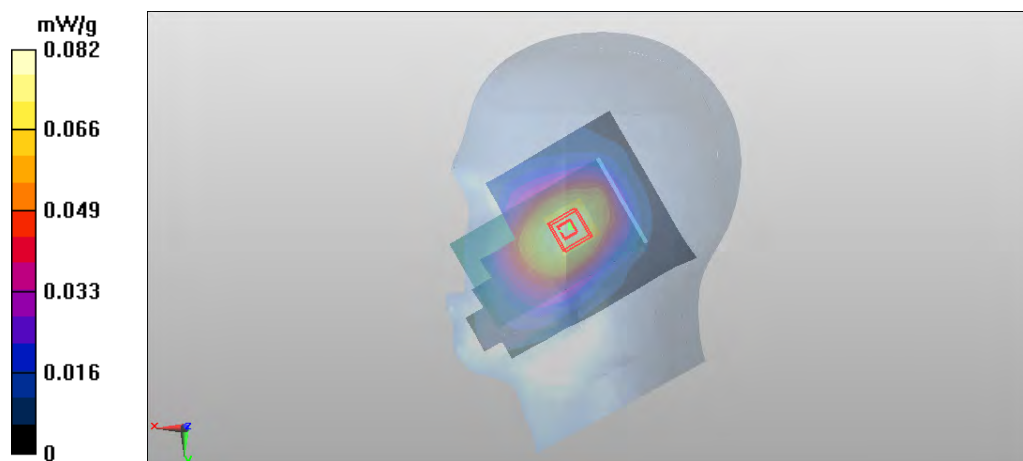
Peak SAR (extrapolated) = 0.090 mW/g

SAR(1 g) = 0.075 mW/g

SAR(10 g) = 0.059 mW/g

Power Drift = -0.10 dB

Maximum value of SAR (measured) = 0.0796 mW/g



Date/Time: 2012-07-09 06:34:36

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE700

Frequency: 710 MHz; Duty Cycle: 1:1

Medium: HSL750; Medium Notes: t= 20.8 C

Medium parameters used: f = 710 MHz; σ = 0.898 mho/m; ϵ_r = 40.834; ρ = 1000 kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3165
- ConvF(6.13, 6.13, 6.13); Calibrated: 2012-02-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11
- Phantom: SAM #4 CRP ; Type: QD000P40CD; Serial: -
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

LTE - Left/Cheek - Middle - 16QAM - 10MHz - 1 RB - 100% offset/Area Scan (81x121x1): Measurement grid:

dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.147 mW/g

LTE - Left/Cheek - Middle - 16QAM - 10MHz - 1 RB - 100% offset/Zoom Scan (6x6x7)/Cube 0: Measurement grid:

dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 12.976 V/m

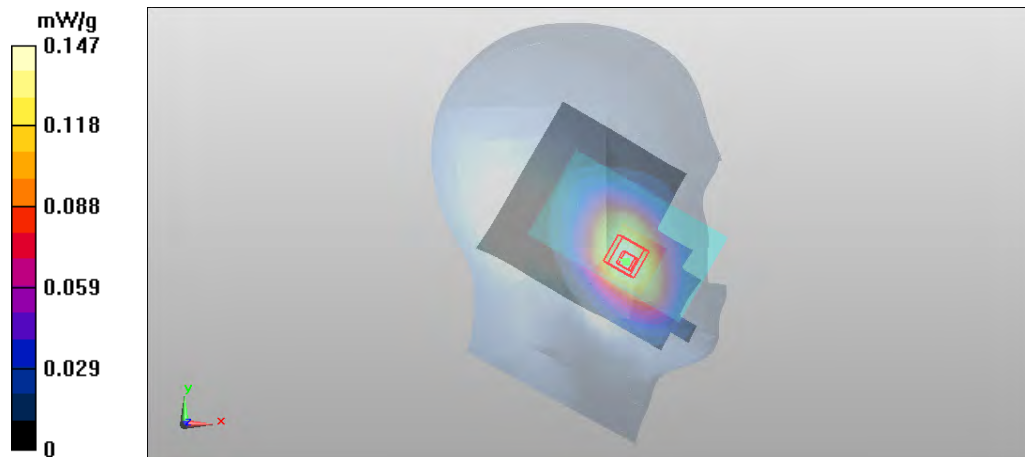
Peak SAR (extrapolated) = 0.180 mW/g

SAR(1 g) = 0.137 mW/g

SAR(10 g) = 0.101 mW/g

Power Drift = -0.13 dB

Maximum value of SAR (measured) = 0.146 mW/g



Date/Time: 2012-07-09 09:46:41

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE700

Frequency: 710 MHz; Duty Cycle: 1:1

Medium: HSL750; Medium Notes: t= 20.8 C

Medium parameters used: f = 710 MHz; σ = 0.898 mho/m; ϵ_r = 40.834; ρ = 1000 kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3165
- ConvF(6.13, 6.13, 6.13); Calibrated: 2012-02-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11
- Phantom: SAM #4 CRP ; Type: QD000P40CD; Serial: -
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

LTE - Left/Tilt - Middle - 16QAM - 10MHz - 1 RB - 100 % offset/Area Scan (81x121x1): Measurement grid:

dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.0745 mW/g

LTE - Left/Tilt - Middle - 16QAM - 10MHz - 1 RB - 100 % offset/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 8.913 V/m

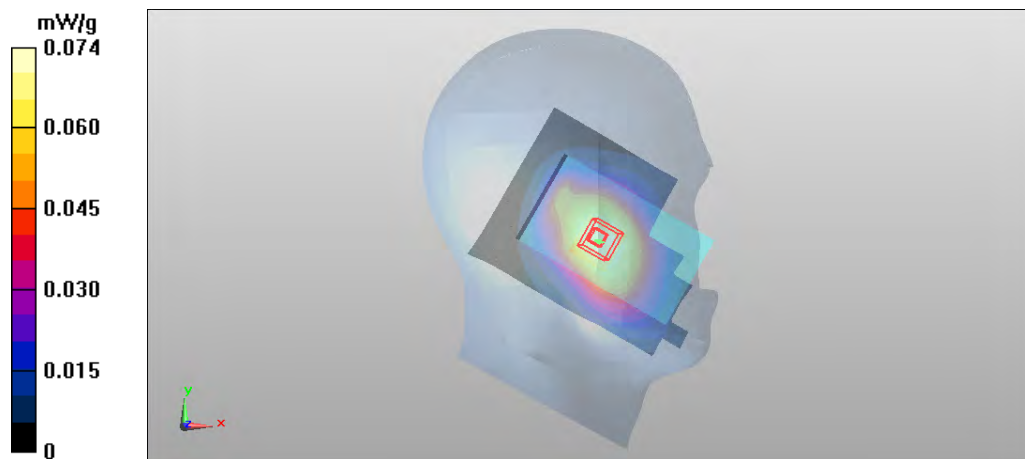
Peak SAR (extrapolated) = 0.089 mW/g

SAR(1 g) = 0.071 mW/g

SAR(10 g) = 0.056 mW/g

Power Drift = 0.29 dB

Maximum value of SAR (measured) = 0.0742 mW/g



Date/Time: 2012-07-09 16:29:45

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE700

Frequency: 710 MHz; Duty Cycle: 1:1

Medium: HSL750; Medium Notes: t= 20.8 C

Medium parameters used: f = 710 MHz; σ = 0.898 mho/m; ϵ_r = 40.834; ρ = 1000 kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: ES3DV3 - SN3165
- ConvF(6.13, 6.13, 6.13); Calibrated: 2012-02-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11
- Phantom: SAM #4 CRP ; Type: QD000P40CD; Serial: -
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

LTE - Right/Cheek - Middle - 16QAM - 10MHz - 1 RB - 100% offset/Area Scan (81x121x1): Measurement grid:
dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.0963 mW/g

LTE - Right/Cheek - Middle - 16QAM - 10MHz - 1 RB - 100% offset/Zoom Scan (6x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 10.504 V/m

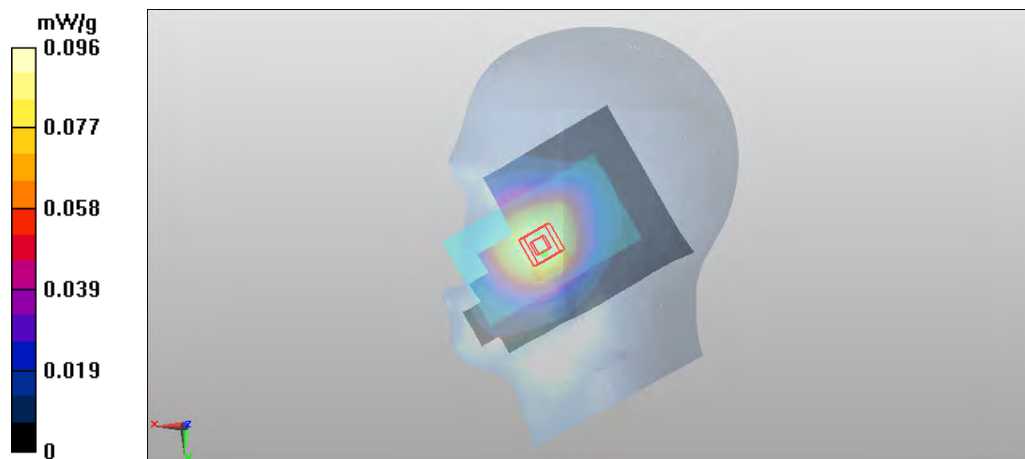
Peak SAR (extrapolated) = 0.122 mW/g

SAR(1 g) = 0.092 mW/g

SAR(10 g) = 0.071 mW/g

Power Drift = 0.11 dB

Maximum value of SAR (measured) = 0.0954 mW/g



Date/Time: 2012-07-09 19:26:46

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE700

Frequency: 710 MHz; Duty Cycle: 1:1

Medium: HSL750; Medium Notes: t= 20.8 C

Medium parameters used: f = 710 MHz; σ = 0.898 mho/m; ϵ_r = 40.834; ρ = 1000 kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: ES3DV3 - SN3165
- ConvF(6.13, 6.13, 6.13); Calibrated: 2012-02-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11
- Phantom: SAM #4 CRP ; Type: QD000P40CD; Serial: -
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

LTE - Right/Tilt - Middle - 16QAM - 10MHz - 1 RB - 100% offset/Area Scan (81x121x1): Measurement grid:

dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.0624 mW/g

LTE - Right/Tilt - Middle - 16QAM - 10MHz - 1 RB - 100% offset/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 8.372 V/m

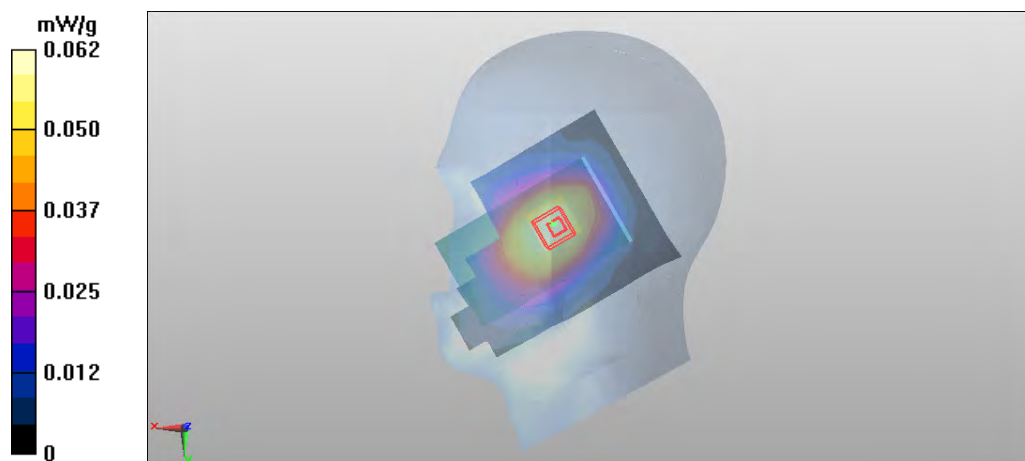
Peak SAR (extrapolated) = 0.072 mW/g

SAR(1 g) = 0.058 mW/g

SAR(10 g) = 0.046 mW/g

Power Drift = -0.17 dB

Maximum value of SAR (measured) = 0.0611 mW/g



Date/Time: 2012-07-09 06:54:03

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE700

Frequency: 710 MHz; Duty Cycle: 1:1

Medium: HSL750; Medium Notes: t= 20.8 C

Medium parameters used: f = 710 MHz; σ = 0.898 mho/m; ϵ_r = 40.834; ρ = 1000 kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3165
- ConvF(6.13, 6.13, 6.13); Calibrated: 2012-02-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11
- Phantom: SAM #4 CRP ; Type: QD000P40CD; Serial: -
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

LTE - Left/Cheek - Middle - 16QAM - 10MHz - 1 RB - 0% offset/Area Scan (81x121x1): Measurement grid:

dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.186 mW/g

LTE - Left/Cheek - Middle - 16QAM - 10MHz - 1 RB - 0% offset/Zoom Scan (6x6x7)/Cube 0: Measurement grid:

dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 14.073 V/m

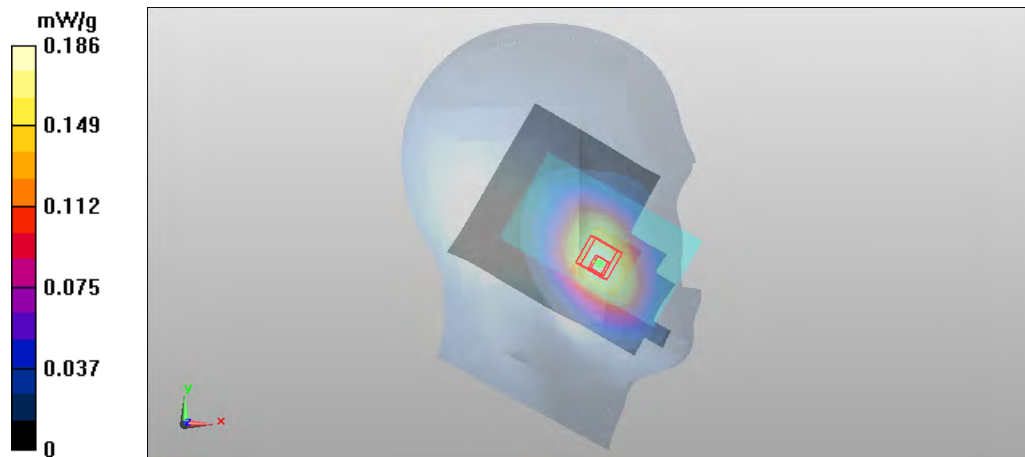
Peak SAR (extrapolated) = 0.229 mW/g

SAR(1 g) = 0.176 mW/g

SAR(10 g) = 0.131 mW/g

Power Drift = 0.32 dB

Maximum value of SAR (measured) = 0.191 mW/g



Date/Time: 2012-07-09 10:02:16

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE700

Frequency: 710 MHz; Duty Cycle: 1:1

Medium: HSL750; Medium Notes: t= 20.8 C

Medium parameters used: f = 710 MHz; σ = 0.898 mho/m; ϵ_r = 40.834; ρ = 1000 kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3165
- ConvF(6.13, 6.13, 6.13); Calibrated: 2012-02-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11
- Phantom: SAM #4 CRP ; Type: QD000P40CD; Serial: -
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

LTE - Left/Tilt - Middle - 16QAM - 10MHz - 1 RB - 0 % offset/Area Scan (81x121x1): Measurement grid:

dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.0899 mW/g

LTE - Left/Tilt - Middle - 16QAM - 10MHz - 1 RB - 0 % offset/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 9.894 V/m

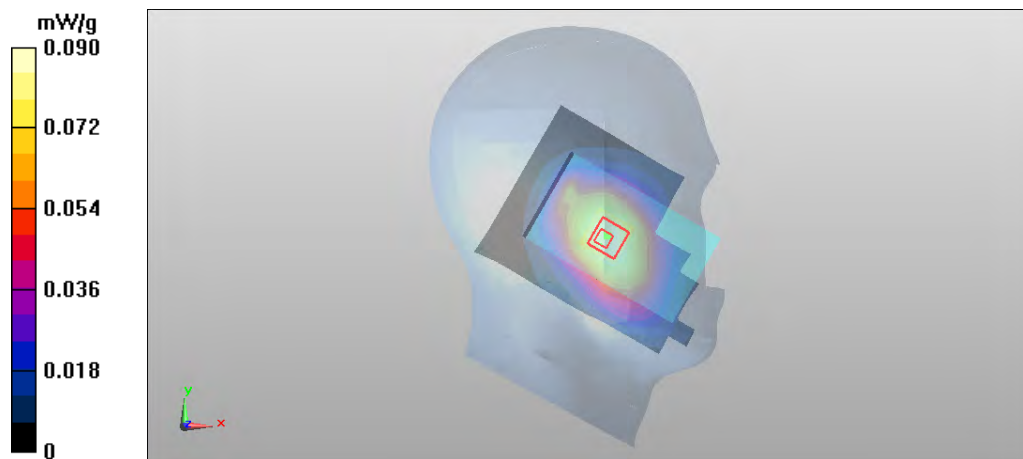
Peak SAR (extrapolated) = 0.103 mW/g

SAR(1 g) = 0.084 mW/g

SAR(10 g) = 0.066 mW/g

Power Drift = 0.24 dB

Maximum value of SAR (measured) = 0.0873 mW/g



Date/Time: 2012-07-09 16:47:26

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE700

Frequency: 710 MHz; Duty Cycle: 1:1

Medium: HSL750; Medium Notes: t= 20.8 C

Medium parameters used: f = 710 MHz; σ = 0.898 mho/m; ϵ_r = 40.834; ρ = 1000 kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: ES3DV3 - SN3165
- ConvF(6.13, 6.13, 6.13); Calibrated: 2012-02-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11
- Phantom: SAM #4 CRP ; Type: QD000P40CD; Serial: -
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

LTE - Right/Cheek - Middle - 16QAM - 10MHz - 1 RB - 0% offset/Area Scan (81x121x1): Measurement grid:

dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.131 mW/g

LTE - Right/Cheek - Middle - 16QAM - 10MHz - 1 RB - 0% offset/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 12.228 V/m

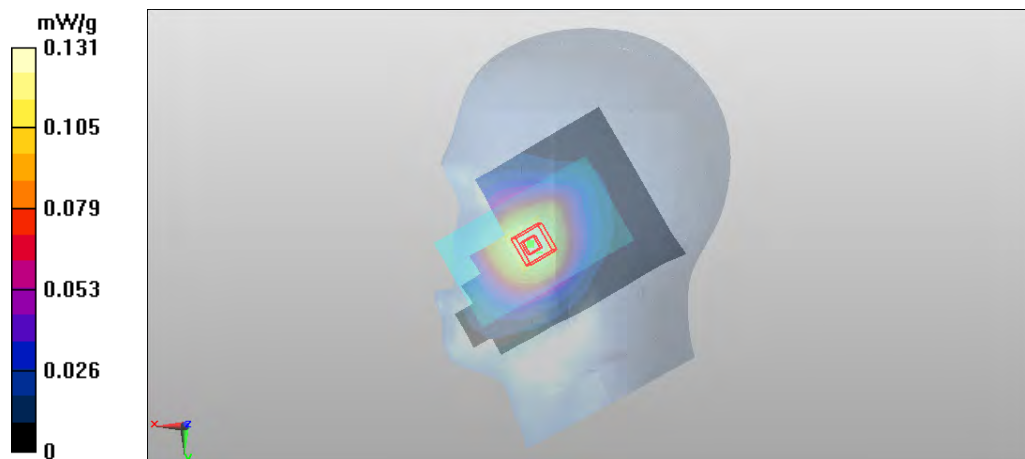
Peak SAR (extrapolated) = 0.154 mW/g

SAR(1 g) = 0.122 mW/g

SAR(10 g) = 0.094 mW/g

Power Drift = 0.00 dB

Maximum value of SAR (measured) = 0.126 mW/g



Date/Time: 2012-07-09 19:42:15

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE700

Frequency: 710 MHz; Duty Cycle: 1:1

Medium: HSL750; Medium Notes: t= 20.8 C

Medium parameters used: f = 710 MHz; $\sigma = 0.898$ mho/m; $\epsilon_r = 40.834$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: ES3DV3 - SN3165
- ConvF(6.13, 6.13, 6.13); Calibrated: 2012-02-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11
- Phantom: SAM #4 CRP ; Type: QD000P40CD; Serial: -
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

LTE - Right/Tilt - Middle - 16QAM - 10MHz - 1 RB - 0% offset/Area Scan (81x121x1): Measurement grid:

dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.0803 mW/g

LTE - Right/Tilt - Middle - 16QAM - 10MHz - 1 RB - 0% offset/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 9.277 V/m

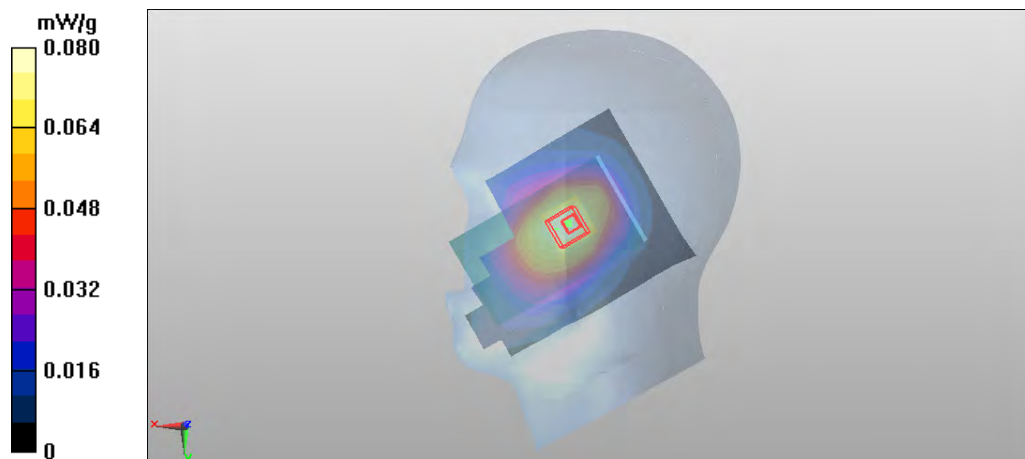
Peak SAR (extrapolated) = 0.090 mW/g

SAR(1 g) = 0.074 mW/g

SAR(10 g) = 0.058 mW/g

Power Drift = -0.01 dB

Maximum value of SAR (measured) = 0.0759 mW/g



Date/Time: 2012-08-22 16:37:44

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE700

Frequency: 711 MHz; Duty Cycle: 1:1

Medium: HSL750; Medium Notes: t= 21.0 C

Medium parameters used: f = 711 MHz; $\sigma = 0.888$ mho/m; $\epsilon_r = 40.639$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3165
- ConvF(6.13, 6.13, 6.13); Calibrated: 2012-02-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11
- Phantom: SAM #4 CRP ; Type: QD000P40CD; Serial: TP:xxxx
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.6 (6824)

LTE - Left/Cheek - High - QPSK - 10MHz - 1 RB - 0% offset - Cover CC-3401/Area Scan (81x121x1): Interpolated
grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.236 W/kg

LTE - Left/Cheek - High - QPSK - 10MHz - 1 RB - 0% offset - Cover CC-3401/Zoom Scan (5x5x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 16.312 V/m

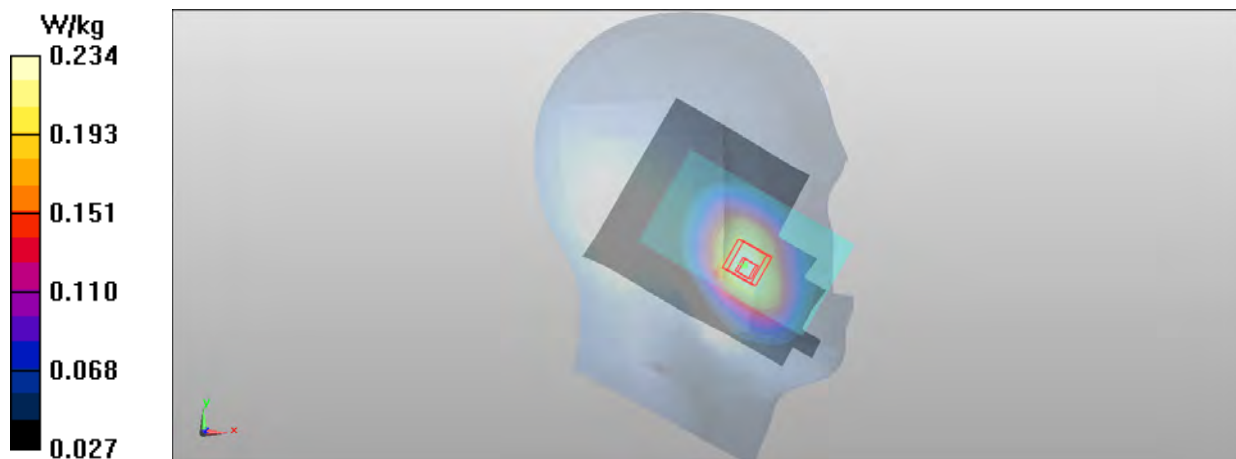
Peak SAR (extrapolated) = 0.293 mW/g

SAR(1 g) = 0.222 mW/g

SAR(10 g) = 0.165 mW/g

Power Drift = 0.06 dB

Maximum value of SAR (measured) = 0.234 W/kg



Date/Time: 2012-07-06 14:12:31

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976081/7

Communication System: GSM850

Frequency: 836.6 MHz; Duty Cycle: 1:8.30042

Medium: HSL850; Medium Notes: t= 21.3 C

Medium parameters used: f = 837 MHz; σ = 0.917 mho/m; ϵ_r = 40.464; ρ = 1000 kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3131
- ConvF(5.88, 5.88, 5.88); Calibrated: 2011-09-14;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1316; Calibrated: 2012-02-15
- Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1179
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

GSM - Left/Cheek - Middle/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.278 mW/g

GSM - Left/Cheek - Middle/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 5.466 V/m

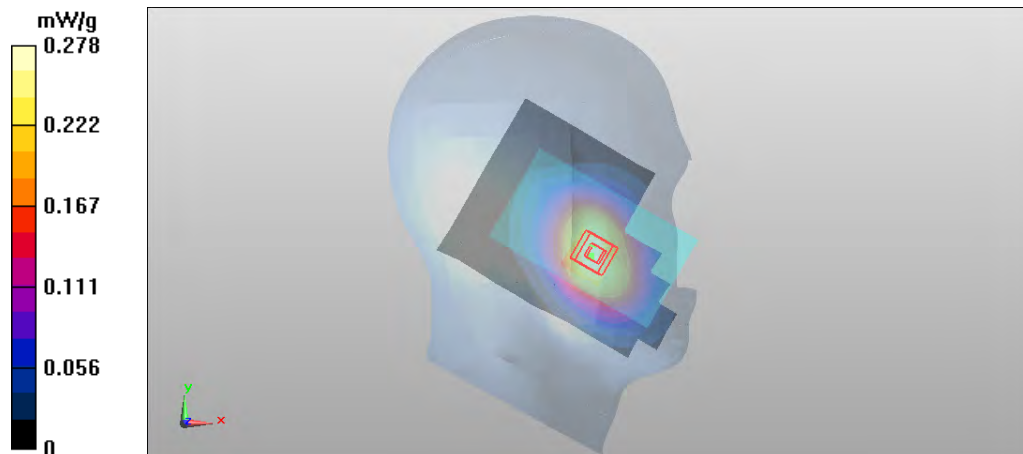
Peak SAR (extrapolated) = 0.333 mW/g

SAR(1 g) = 0.264 mW/g

SAR(10 g) = 0.197 mW/g

Power Drift = -0.30 dB

Maximum value of SAR (measured) = 0.277 mW/g



Date/Time: 2012-07-06 16:14:18

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976081/7

Communication System: 2-slot GPRS850

Frequency: 848.8 MHz; Duty Cycle: 1:4.19952

Medium: HSL850; Medium Notes: t= 21.3 C

Medium parameters used: f = 849 MHz; $\sigma = 0.925$ mho/m; $\epsilon_r = 40.386$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3131
- ConvF(5.88, 5.88, 5.88); Calibrated: 2011-09-14;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1316; Calibrated: 2012-02-15
- Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1179
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

2-slot GPRS - Left/Cheek - High/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.629 mW/g

2-slot GPRS - Left/Cheek - High/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 7.338 V/m

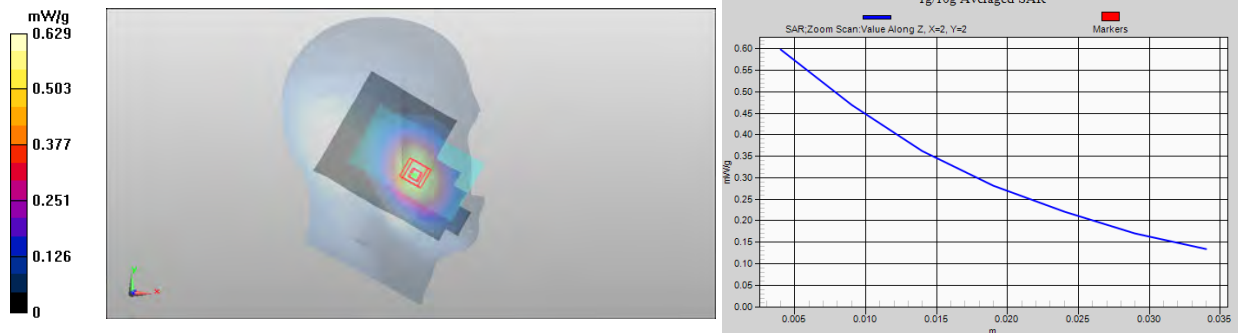
Peak SAR (extrapolated) = 0.728 mW/g

SAR(1 g) = 0.568 mW/g

SAR(10 g) = 0.422 mW/g

Power Drift = -0.02 dB

Maximum value of SAR (measured) = 0.598 mW/g



Date/Time: 2012-07-06 14:51:36

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976081/7

Communication System: 2-slot GPRS850

Frequency: 836.6 MHz; Duty Cycle: 1:4.19952

Medium: HSL850; Medium Notes: t= 21.3 C

Medium parameters used: f = 837 MHz; σ = 0.917 mho/m; ϵ_r = 40.464; ρ = 1000 kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3131
- ConvF(5.88, 5.88, 5.88); Calibrated: 2011-09-14;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1316; Calibrated: 2012-02-15
- Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1179
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

2-slot GPRS - Left/Tilt - Middle/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.320 mW/g

2-slot GPRS - Left/Tilt - Middle/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 11.494 V/m

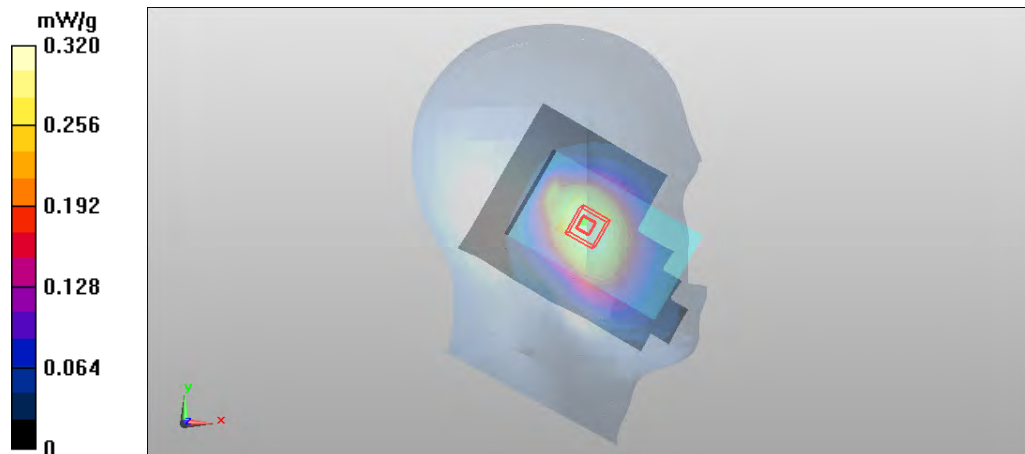
Peak SAR (extrapolated) = 0.365 mW/g

SAR(1 g) = 0.305 mW/g

SAR(10 g) = 0.238 mW/g

Power Drift = 0.03 dB

Maximum value of SAR (measured) = 0.321 mW/g



Date/Time: 2012-07-06 15:11:51

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976081/7

Communication System: 2-slot GPRS850

Frequency: 836.6 MHz; Duty Cycle: 1:4.19952

Medium: HSL850; Medium Notes: t= 21.3 C

Medium parameters used: f = 837 MHz; σ = 0.917 mho/m; ϵ_r = 40.464; ρ = 1000 kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: ES3DV3 - SN3131
- ConvF(5.88, 5.88, 5.88); Calibrated: 2011-09-14;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1316; Calibrated: 2012-02-15
- Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1179
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

2-slot GPRS - Right/Cheek - Middle/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.442 mW/g

2-slot GPRS - Right/Cheek - Middle/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 7.604 V/m

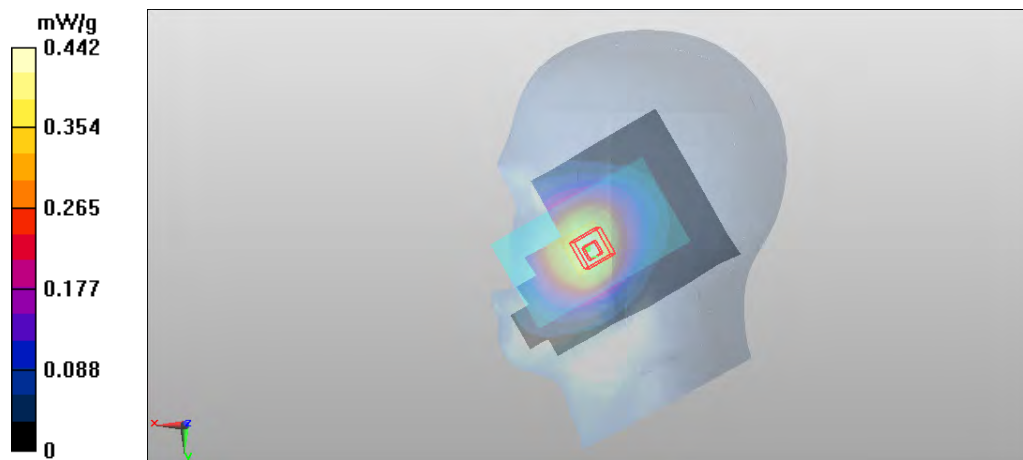
Peak SAR (extrapolated) = 0.505 mW/g

SAR(1 g) = 0.417 mW/g

SAR(10 g) = 0.318 mW/g

Power Drift = 0.08 dB

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



Date/Time: 2012-07-06 15:39:55

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976081/7

Communication System: 2-slot GPRS850

Frequency: 836.6 MHz; Duty Cycle: 1:4.19952

Medium: HSL850; Medium Notes: t= 21.3 C

Medium parameters used: f = 837 MHz; σ = 0.917 mho/m; ϵ_r = 40.464; ρ = 1000 kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: ES3DV3 - SN3131
- ConvF(5.88, 5.88, 5.88); Calibrated: 2011-09-14;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1316; Calibrated: 2012-02-15
- Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1179
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

2-slot GPRS - Right/Tilt - Middle/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.320 mW/g

2-slot GPRS - Right/Tilt - Middle/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 12.696 V/m

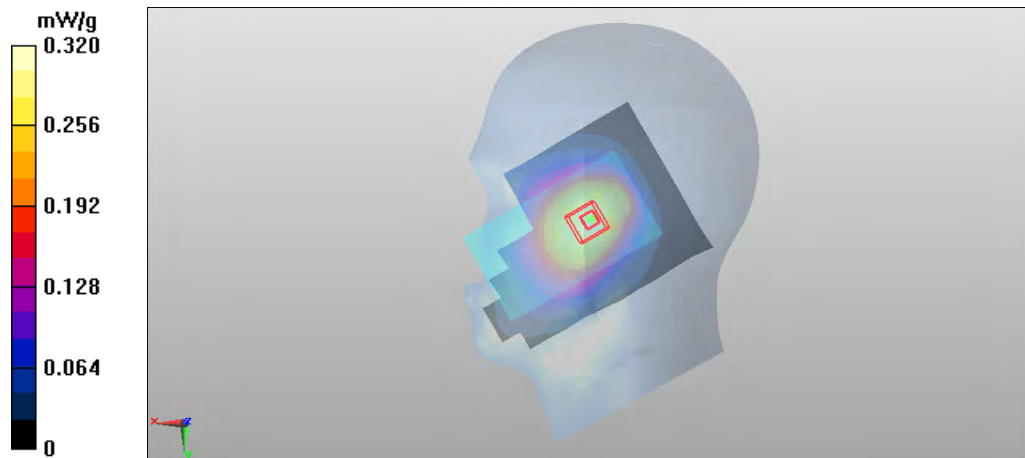
Peak SAR (extrapolated) = 0.362 mW/g

SAR(1 g) = 0.304 mW/g

SAR(10 g) = 0.235 mW/g

Power Drift = -0.07 dB

Maximum value of SAR (measured) = 0.320 mW/g



Date/Time: 2012-07-06 16:35:17

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976081/7

Communication System: 2-slot 8PSK EGPRS850

Frequency: 848.8 MHz; Duty Cycle: 1:4.19952

Medium: HSL850; Medium Notes: t= 21.3 C

Medium parameters used: f = 849 MHz; σ = 0.925 mho/m; ϵ_r = 40.386; ρ = 1000 kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3131
- ConvF(5.88, 5.88, 5.88); Calibrated: 2011-09-14;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1316; Calibrated: 2012-02-15
- Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1179
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

2-slot 8PSK EGPRS - Left/Cheek - High/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.184 mW/g

2-slot 8PSK EGPRS - Left/Cheek - High/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 3.870 V/m

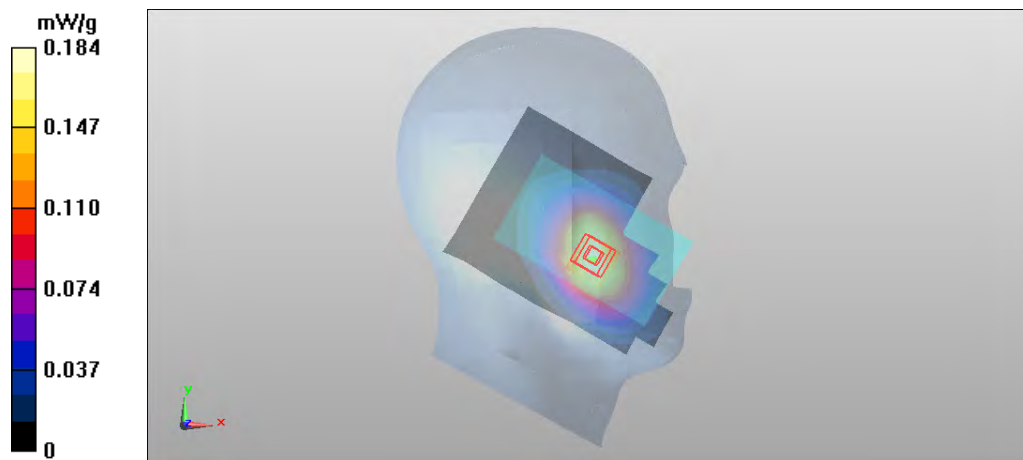
Peak SAR (extrapolated) = 0.225 mW/g

SAR(1 g) = 0.177 mW/g

SAR(10 g) = 0.128 mW/g

Power Drift = -0.34 dB

Maximum value of SAR (measured) = 0.191 mW/g



Date/Time: 2012-07-06 19:08:17

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976081/7

Communication System: WCDMA850

Frequency: 846.6 MHz; Duty Cycle: 1:1

Medium: HSL850; Medium Notes: t= 21.3 C

Medium parameters used: f = 847 MHz; σ = 0.924 mho/m; ϵ_r = 40.398; ρ = 1000 kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3131
- ConvF(5.88, 5.88, 5.88); Calibrated: 2011-09-14;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1316; Calibrated: 2012-02-15
- Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1179
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

WCDMA - Left/Cheek - High/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.314 mW/g

WCDMA - Left/Cheek - High/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 5.441 V/m

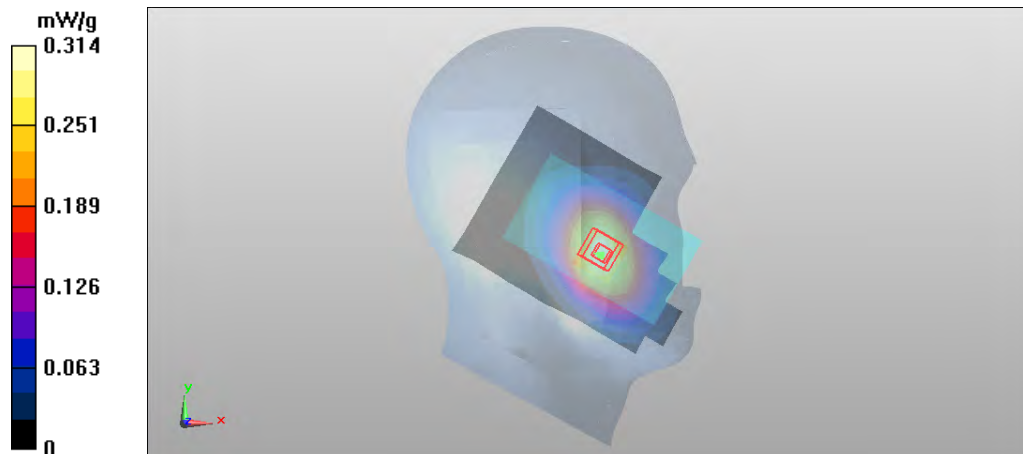
Peak SAR (extrapolated) = 0.364 mW/g

SAR(1 g) = 0.292 mW/g

SAR(10 g) = 0.219 mW/g

Power Drift = -0.02 dB

Maximum value of SAR (measured) = 0.307 mW/g



Date/Time: 2012-07-06 17:29:20

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976081/7

Communication System: WCDMA850

Frequency: 835 MHz; Duty Cycle: 1:1

Medium: HSL850; Medium Notes: t= 21.3 C

Medium parameters used: f = 835 MHz; σ = 0.916 mho/m; ϵ_r = 40.478; ρ = 1000 kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3131
- ConvF(5.88, 5.88, 5.88); Calibrated: 2011-09-14;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1316; Calibrated: 2012-02-15
- Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1179
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

WCDMA - Left/Tilt - Middle/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.172 mW/g

WCDMA - Left/Tilt - Middle/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 8.787 V/m

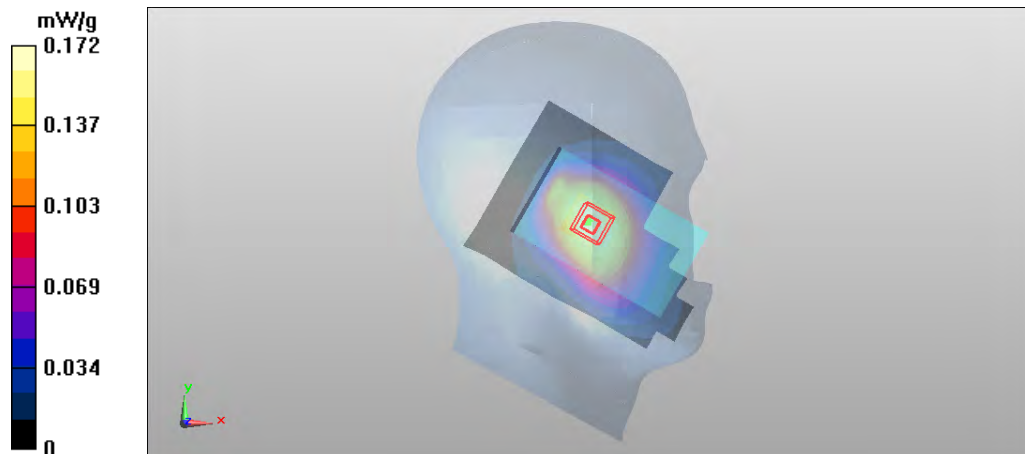
Peak SAR (extrapolated) = 0.194 mW/g

SAR(1 g) = 0.162 mW/g

SAR(10 g) = 0.127 mW/g

Power Drift = 0.12 dB

Maximum value of SAR (measured) = 0.169 mW/g



Date/Time: 2012-07-06 17:53:20

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976081/7

Communication System: WCDMA850

Frequency: 835 MHz; Duty Cycle: 1:1

Medium: HSL850; Medium Notes: $t = 21.3$ C

Medium parameters used: $f = 835$ MHz; $\sigma = 0.916$ mho/m; $\epsilon_r = 40.478$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: ES3DV3 - SN3131
- ConvF(5.88, 5.88, 5.88); Calibrated: 2011-09-14;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1316; Calibrated: 2012-02-15
- Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1179
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

WCDMA - Right/Cheek - Middle/Area Scan (81x121x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (interpolated) = 0.216 mW/g

WCDMA - Right/Cheek - Middle/Zoom Scan (6x6x7)/Cube 0: Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 5.218 V/m

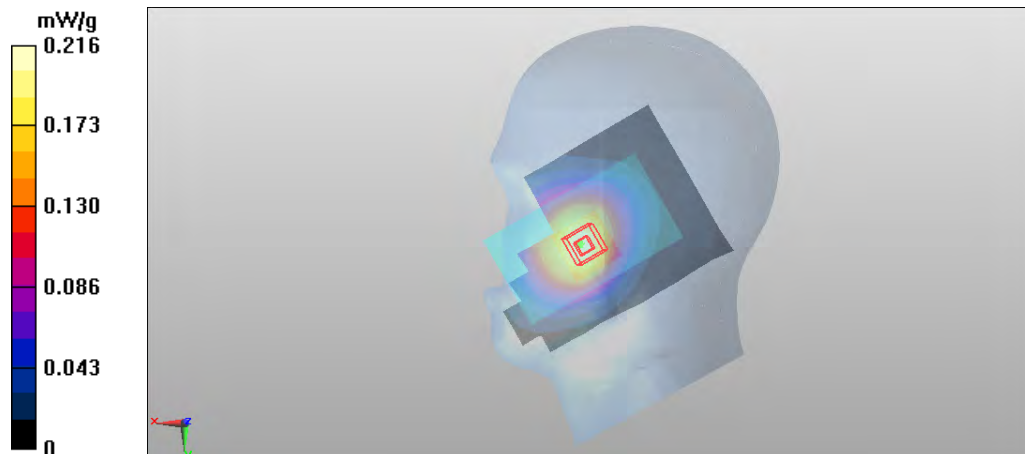
Peak SAR (extrapolated) = 0.247 mW/g

SAR(1 g) = 0.205 mW/g

SAR(10 g) = 0.157 mW/g

Power Drift = 0.06 dB

Maximum value of SAR (measured) = 0.213 mW/g



Date/Time: 2012-07-06 18:27:17

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976081/7

Communication System: WCDMA850

Frequency: 835 MHz; Duty Cycle: 1:1

Medium: HSL850; Medium Notes: $t = 21.3$ C

Medium parameters used: $f = 835$ MHz; $\sigma = 0.916$ mho/m; $\epsilon_r = 40.478$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: ES3DV3 - SN3131
- ConvF(5.88, 5.88, 5.88); Calibrated: 2011-09-14;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1316; Calibrated: 2012-02-15
- Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1179
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

WCDMA - Right/Tilt - Middle/Area Scan (81x121x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (interpolated) = 0.162 mW/g

WCDMA - Right/Tilt - Middle/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 9.645 V/m

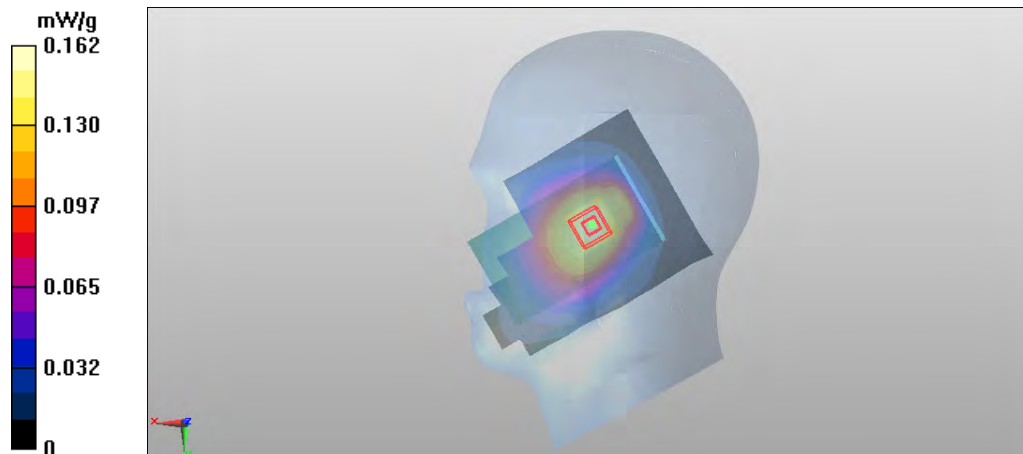
Peak SAR (extrapolated) = 0.182 mW/g

SAR(1 g) = 0.153 mW/g

SAR(10 g) = 0.118 mW/g

Power Drift = 0.00 dB

Maximum value of SAR (measured) = 0.160 mW/g



Date/Time: 2012-08-15 11:16:03

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976081/7

Communication System: 2-slot GPRS850

Frequency: 848.8 MHz; Duty Cycle: 1:4.19952

Medium: HSL850; Medium Notes: t= 21.8 C

Medium parameters used: f = 849 MHz; σ = 0.902 mho/m; ϵ_r = 39.745; ρ = 1000 kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3790
- ConvF(8.44, 8.44, 8.44); Calibrated: 2012-04-27;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1316; Calibrated: 2012-02-15
- Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1179
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.6 (6824)

2-slot GPRS - Left/Cheek - High - Cover CC-3401/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.531 W/kg

2-slot GPRS - Left/Cheek - High - Cover CC-3401/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 23.907 V/m

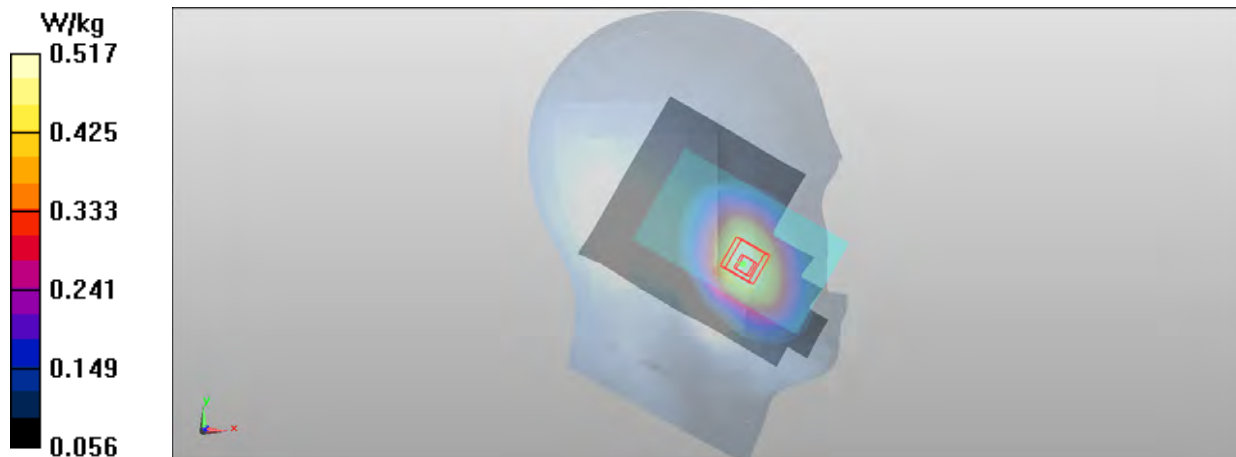
Peak SAR (extrapolated) = 0.635 mW/g

SAR(1 g) = 0.491 mW/g

SAR(10 g) = 0.367 mW/g

Power Drift = -0.03 dB

Maximum value of SAR (measured) = 0.517 W/kg



Date/Time: 2012-08-15 11:54:26

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976156/7

Communication System: LTE850

Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: HSL850; Medium Notes: t= 21.8 C

Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.894 mho/m; ϵ_r = 39.813; ρ = 1000 kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3790
- ConvF(8.44, 8.44, 8.44); Calibrated: 2012-04-27;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1316; Calibrated: 2012-02-15
- Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1179
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

LTE - Left/Cheek - Middle - QPSK - 10MHz - 100% RB/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.222 W/kg

LTE - Left/Cheek - Middle - QPSK - 10MHz - 100% RB/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 14.966 V/m

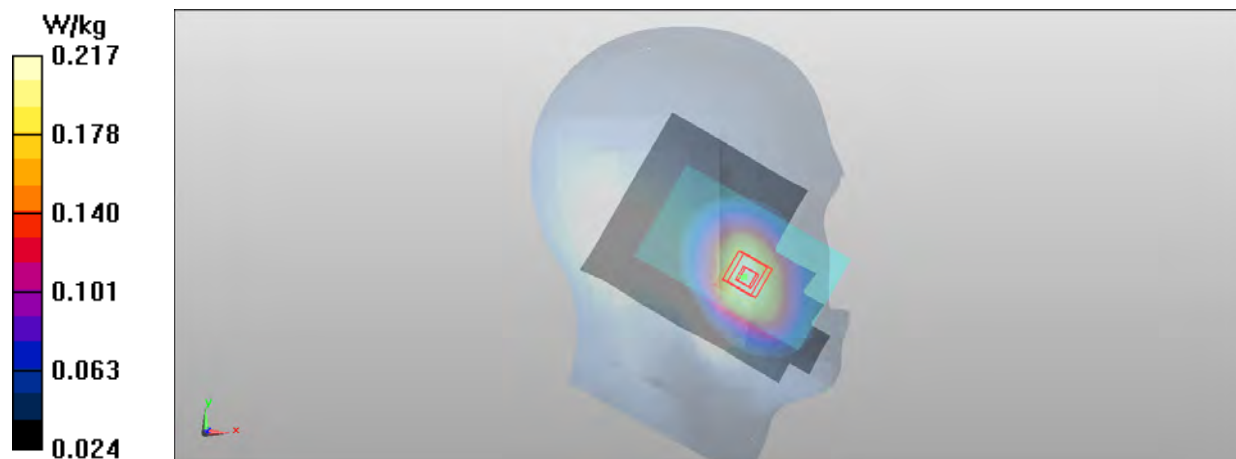
Peak SAR (extrapolated) = 0.266 mW/g

SAR(1 g) = 0.207 mW/g

SAR(10 g) = 0.156 mW/g

Power Drift = 0.17 dB

Maximum value of SAR (measured) = 0.217 W/kg



Date/Time: 2012-08-15 14:38:14

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976156/7

Communication System: LTE850

Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: HSL850; Medium Notes: $t = 21.8$ C

Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.894$ mho/m; $\epsilon_r = 39.813$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3790
- ConvF(8.44, 8.44, 8.44); Calibrated: 2012-04-27;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1316; Calibrated: 2012-02-15
- Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1179
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

LTE - Left/Tilt - Middle - QPSK - 10MHz - 100% RB/Area Scan (81x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.136 W/kg

LTE - Left/Tilt - Middle - QPSK - 10MHz - 100% RB/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 12.165 V/m

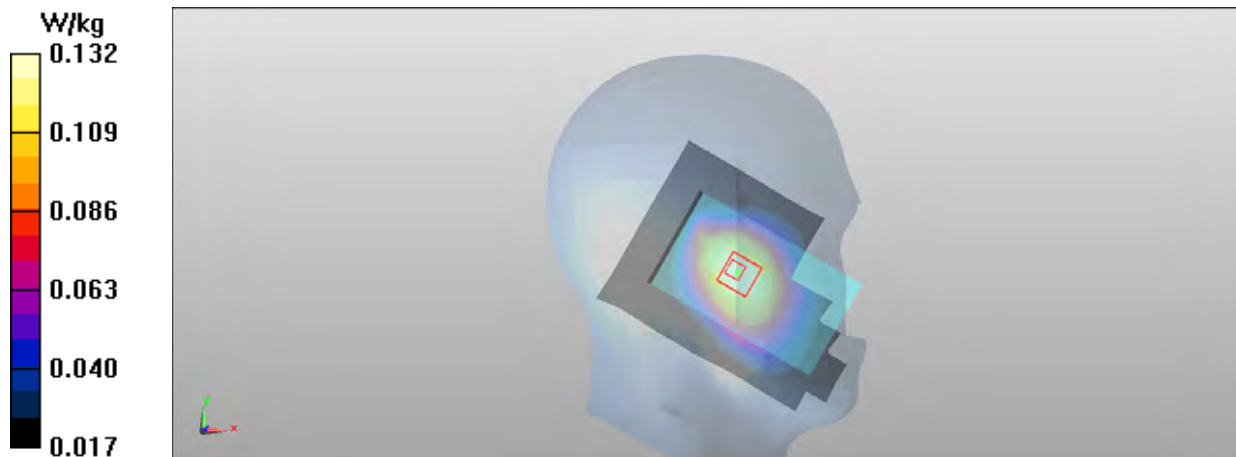
Peak SAR (extrapolated) = 0.156 mW/g

SAR(1 g) = 0.126 mW/g

SAR(10 g) = 0.098 mW/g

Power Drift = 0.06 dB

Maximum value of SAR (measured) = 0.132 W/kg



Date/Time: 2012-08-15 18:03:00

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976156/7

Communication System: LTE850

Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: HSL850; Medium Notes: $t = 21.8$ C

Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.894$ mho/m; $\epsilon_r = 39.813$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3790
- ConvF(8.44, 8.44, 8.44); Calibrated: 2012-04-27;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1316; Calibrated: 2012-02-15
- Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1179
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

LTE - Right/Cheek - Middle - QPSK - 10MHz - 100% RB/Area Scan (81x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.183 W/kg

LTE - Right/Cheek - Middle - QPSK - 10MHz - 100% RB/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

$dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 14.378 V/m

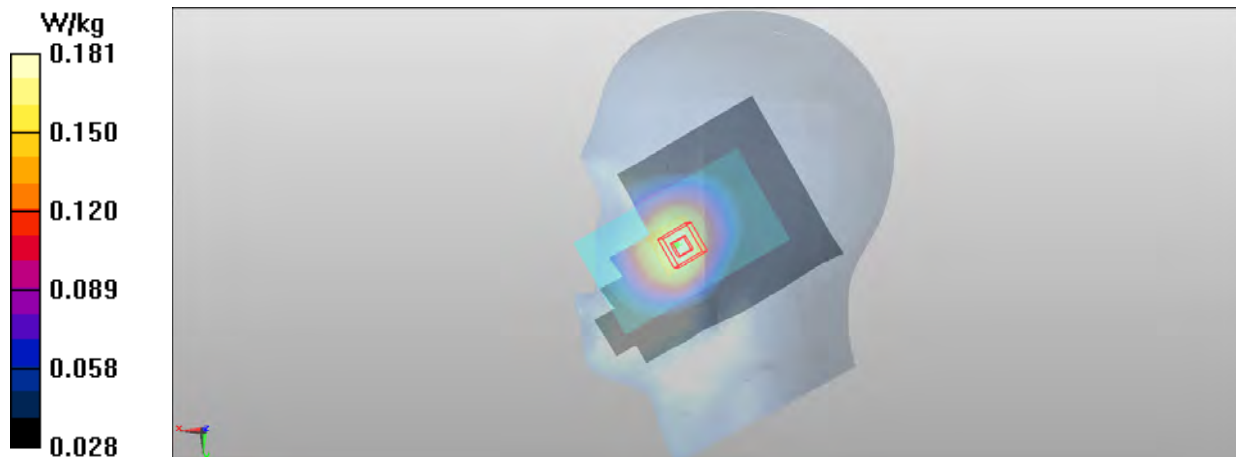
Peak SAR (extrapolated) = 0.213 mW/g

SAR(1 g) = 0.175 mW/g

SAR(10 g) = 0.133 mW/g

Power Drift = 0.06 dB

Maximum value of SAR (measured) = 0.181 W/kg



Date/Time: 2012-08-16 08:25:25

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976156/7

Communication System: LTE850

Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: HSL850; Medium Notes: $t = 21.5$ C

Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.919$ mho/m; $\epsilon_r = 40.562$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3790
- ConvF(8.44, 8.44, 8.44); Calibrated: 2012-04-27;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1316; Calibrated: 2012-02-15
- Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1179
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.6 (6824)

LTE - Right/Tilt - Middle - QPSK - 10MHz - 100% RB/Area Scan (81x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.146 W/kg

LTE - Right/Tilt - Middle - QPSK - 10MHz - 100% RB/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 12.516 V/m

Peak SAR (extrapolated) = 0.166 mW/g

SAR(1 g) = 0.136 mW/g

SAR(10 g) = 0.105 mW/g

Power Drift = 0.06 dB

Maximum value of SAR (measured) = 0.143 W/kg



Date/Time: 2012-08-15 12:13:33

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976156/7

Communication System: LTE850

Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: HSL850; Medium Notes: $t = 21.8$ C

Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.894$ mho/m; $\epsilon_r = 39.813$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3790
- ConvF(8.44, 8.44, 8.44); Calibrated: 2012-04-27;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1316; Calibrated: 2012-02-15
- Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1179
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

LTE - Left/Cheek - Middle - QPSK - 10MHz - 50% RB - 50% offset/Area Scan (81x121x1): Interpolated grid:

$dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.224 W/kg

LTE - Left/Cheek - Middle - QPSK - 10MHz - 50% RB - 50% offset/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

$dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 15.456 V/m

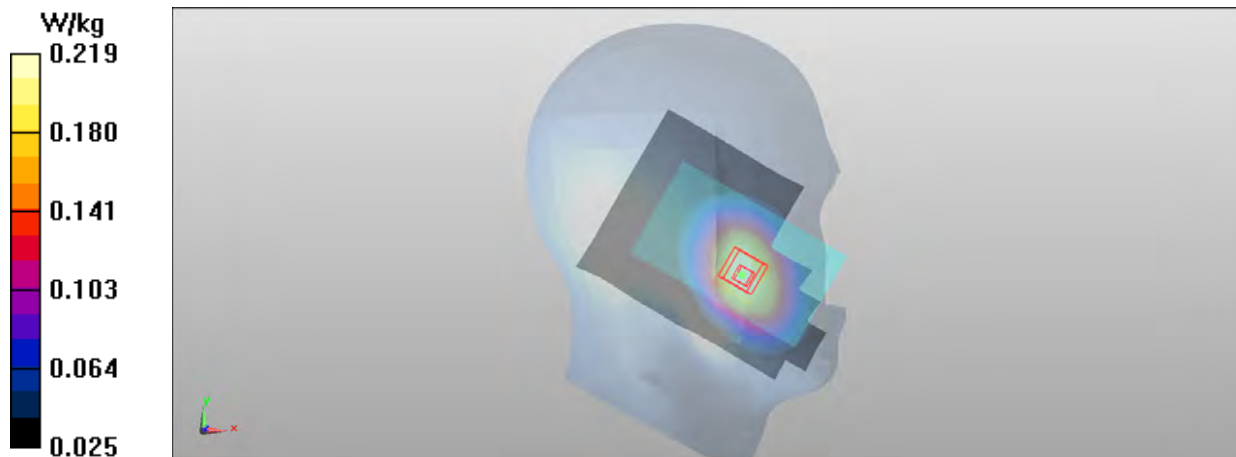
Peak SAR (extrapolated) = 0.266 mW/g

SAR(1 g) = 0.207 mW/g

SAR(10 g) = 0.155 mW/g

Power Drift = -0.10 dB

Maximum value of SAR (measured) = 0.219 W/kg



Date/Time: 2012-08-15 14:52:25

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976156/7

Communication System: LTE850

Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: HSL850; Medium Notes: $t = 21.8$ C

Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.894$ mho/m; $\epsilon_r = 39.813$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3790
- ConvF(8.44, 8.44, 8.44); Calibrated: 2012-04-27;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1316; Calibrated: 2012-02-15
- Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1179
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

LTE - Left/Tilt - Middle - QPSK - 10MHz - 50% RB - 50% offset/Area Scan (81x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.132 W/kg

LTE - Left/Tilt - Middle - QPSK - 10MHz - 50% RB - 50% offset/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 12.115 V/m

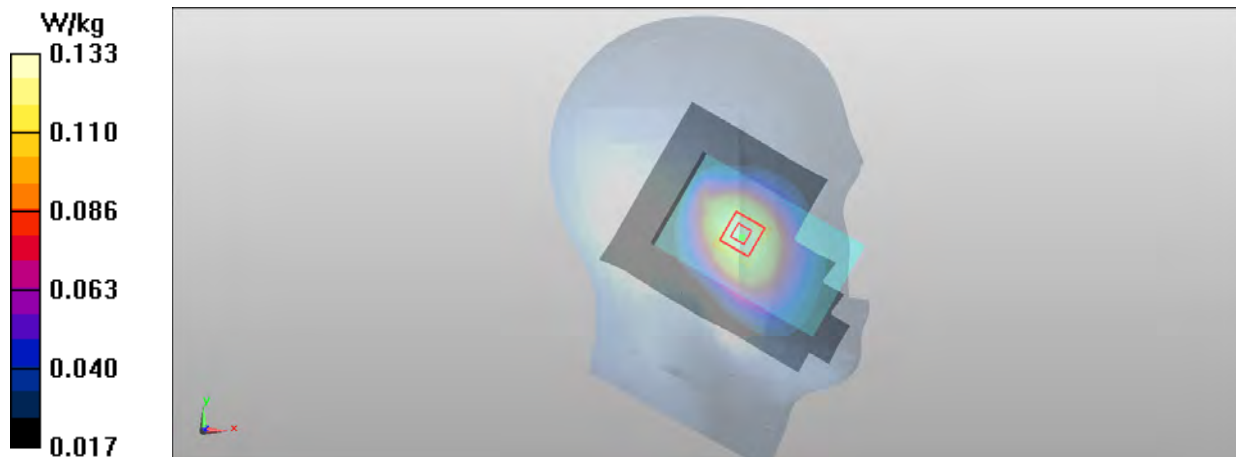
Peak SAR (extrapolated) = 0.154 mW/g

SAR(1 g) = 0.126 mW/g

SAR(10 g) = 0.097 mW/g

Power Drift = 0.13 dB

Maximum value of SAR (measured) = 0.133 W/kg



Date/Time: 2012-08-15 18:21:09

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976156/7

Communication System: LTE850

Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: HSL850; Medium Notes: $t = 21.8$ C

Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.894$ mho/m; $\epsilon_r = 39.813$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3790
- ConvF(8.44, 8.44, 8.44); Calibrated: 2012-04-27;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1316; Calibrated: 2012-02-15
- Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1179
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

LTE - Right/Cheek - Middle - QPSK - 10MHz - 50% RB - 50% offset/Area Scan (81x121x1): Interpolated grid:
 $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.182 W/kg

LTE - Right/Cheek - Middle - QPSK - 10MHz - 50% RB - 50% offset/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 14.281 V/m

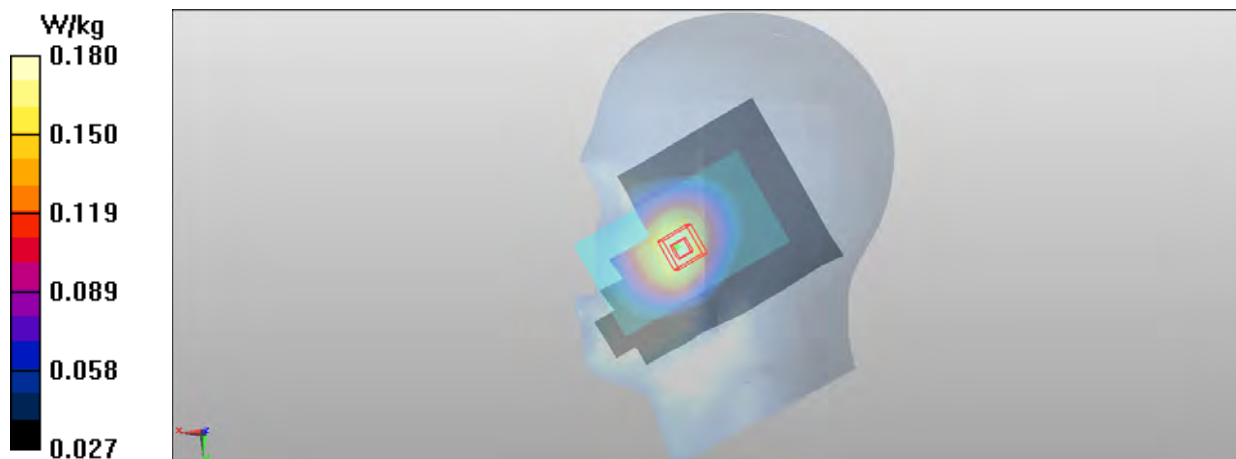
Peak SAR (extrapolated) = 0.211 mW/g

SAR(1 g) = 0.173 mW/g

SAR(10 g) = 0.132 mW/g

Power Drift = 0.08 dB

Maximum value of SAR (measured) = 0.180 W/kg



Date/Time: 2012-08-16 08:39:25

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976156/7

Communication System: LTE850

Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: HSL850; Medium Notes: $t = 21.5$ C

Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.919$ mho/m; $\epsilon_r = 40.562$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3790
- ConvF(8.44, 8.44, 8.44); Calibrated: 2012-04-27;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1316; Calibrated: 2012-02-15
- Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1179
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.6 (6824)

LTE - Right/Tilt - Middle - QPSK - 10MHz - 50% RB - 50% offset/Area Scan (81x121x1): Interpolated grid:

$dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.145 W/kg

LTE - Right/Tilt - Middle - QPSK - 10MHz - 50% RB - 50% offset/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

$dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 12.430 V/m

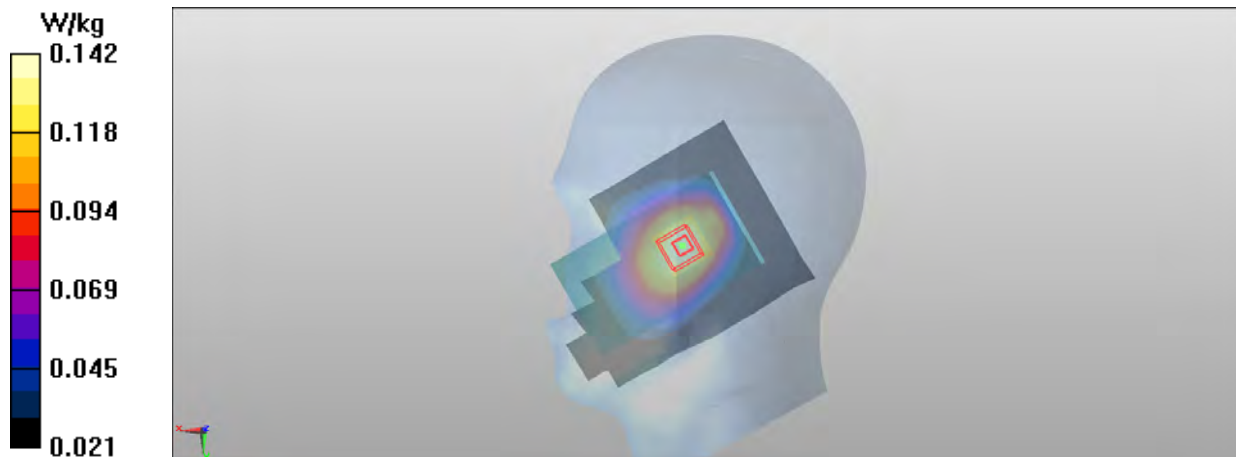
Peak SAR (extrapolated) = 0.166 mW/g

SAR(1 g) = 0.135 mW/g

SAR(10 g) = 0.104 mW/g

Power Drift = 0.06 dB

Maximum value of SAR (measured) = 0.142 W/kg



Date/Time: 2012-08-15 12:28:21

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976156/7

Communication System: LTE850

Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: HSL850; Medium Notes: $t = 21.8$ C

Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.894$ mho/m; $\epsilon_r = 39.813$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3790
- ConvF(8.44, 8.44, 8.44); Calibrated: 2012-04-27;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1316; Calibrated: 2012-02-15
- Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1179
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

LTE - Left/Cheek - Middle - QPSK - 10MHz - 1 RB - 50% offset/Area Scan (81x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.271 W/kg

LTE - Left/Cheek - Middle - QPSK - 10MHz - 1 RB - 50% offset/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 17.142 V/m

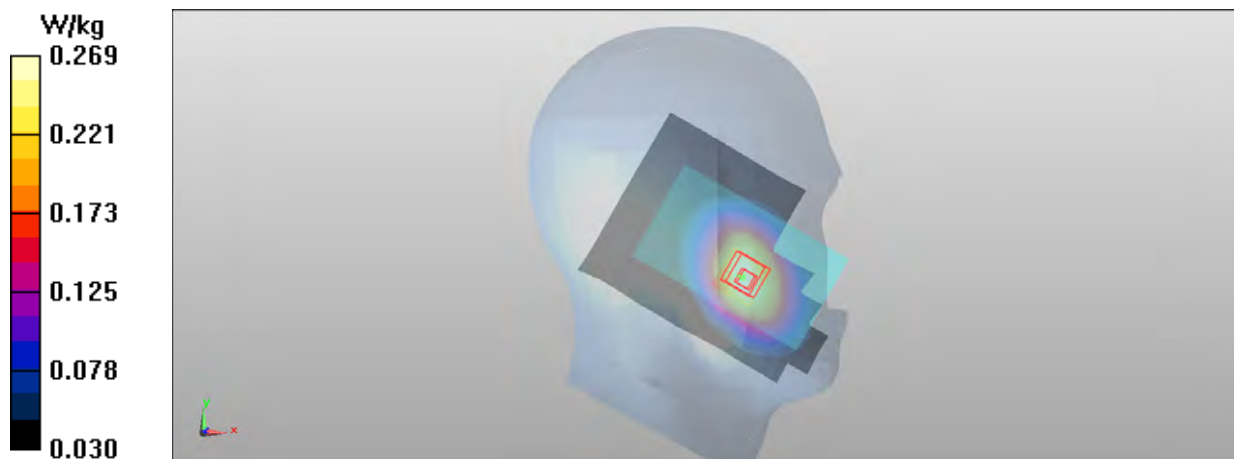
Peak SAR (extrapolated) = 0.329 mW/g

SAR(1 g) = 0.255 mW/g

SAR(10 g) = 0.191 mW/g

Power Drift = 0.03 dB

Maximum value of SAR (measured) = 0.269 W/kg



Date/Time: 2012-08-15 15:12:50

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976156/7

Communication System: LTE850

Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: HSL850; Medium Notes: $t = 21.8$ C

Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.894$ mho/m; $\epsilon_r = 39.813$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3790
- ConvF(8.44, 8.44, 8.44); Calibrated: 2012-04-27;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1316; Calibrated: 2012-02-15
- Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1179
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

LTE - Left/Tilt - Middle - QPSK - 10MHz - 1 RB - 50% offset/Area Scan (81x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.164 W/kg

LTE - Left/Tilt - Middle - QPSK - 10MHz - 1 RB - 50% offset/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

$dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 13.463 V/m

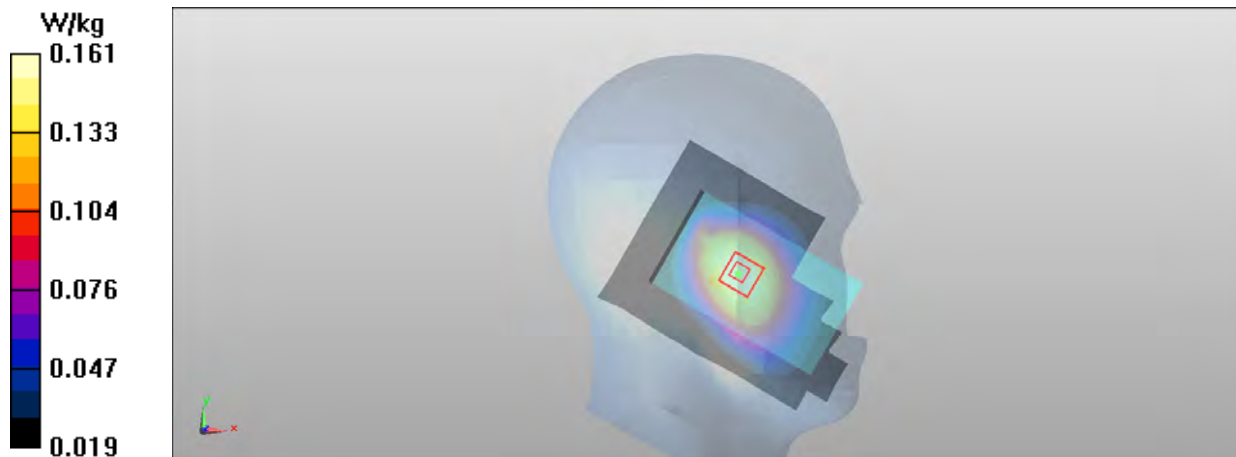
Peak SAR (extrapolated) = 0.188 mW/g

SAR(1 g) = 0.155 mW/g

SAR(10 g) = 0.120 mW/g

Power Drift = -0.03 dB

Maximum value of SAR (measured) = 0.161 W/kg



Date/Time: 2012-08-15 18:39:19

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976156/7

Communication System: LTE850

Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: HSL850; Medium Notes: $t = 21.8$ C

Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.894$ mho/m; $\epsilon_r = 39.813$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3790
- ConvF(8.44, 8.44, 8.44); Calibrated: 2012-04-27;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1316; Calibrated: 2012-02-15
- Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1179
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

LTE - Right/Cheek - Middle - QPSK - 10MHz - 1 RB - 50% offset/Area Scan (81x121x1): Interpolated grid:

$dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.224 W/kg

LTE - Right/Cheek - Middle - QPSK - 10MHz - 1 RB - 50% offset/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

$dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 15.801 V/m

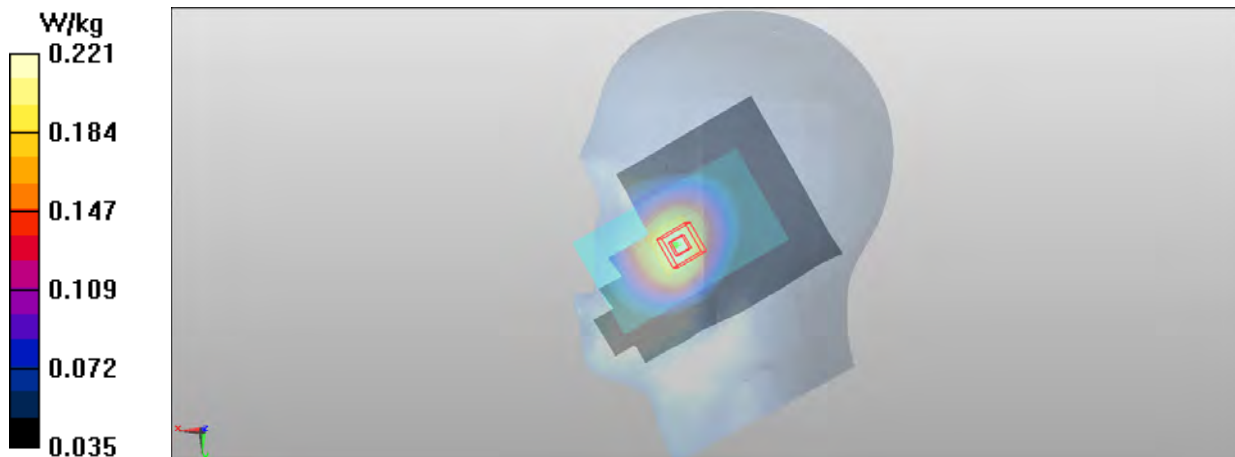
Peak SAR (extrapolated) = 0.260 mW/g

SAR(1 g) = 0.213 mW/g

SAR(10 g) = 0.162 mW/g

Power Drift = 0.09 dB

Maximum value of SAR (measured) = 0.221 W/kg



Date/Time: 2012-08-16 08:53:48

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976156/7

Communication System: LTE850

Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: HSL850; Medium Notes: $t = 21.5$ C

Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.919$ mho/m; $\epsilon_r = 40.562$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3790
- ConvF(8.44, 8.44, 8.44); Calibrated: 2012-04-27;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1316; Calibrated: 2012-02-15
- Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1179
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.6 (6824)

LTE - Right/Tilt - Middle - QPSK - 10MHz - 1 RB - 50% offset/Area Scan (81x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.173 W/kg

LTE - Right/Tilt - Middle - QPSK - 10MHz - 1 RB - 50% offset/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 13.802 V/m

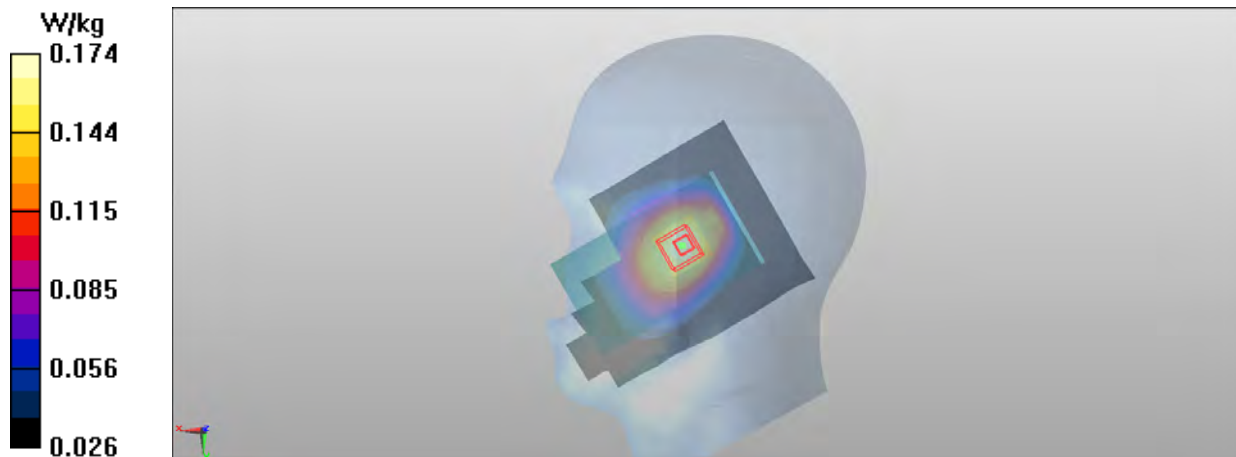
Peak SAR (extrapolated) = 0.203 mW/g

SAR(1 g) = 0.166 mW/g

SAR(10 g) = 0.128 mW/g

Power Drift = 0.04 dB

Maximum value of SAR (measured) = 0.174 W/kg



Date/Time: 2012-08-15 12:43:09

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976156/7

Communication System: LTE850

Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: HSL850; Medium Notes: $t = 21.8$ C

Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.894$ mho/m; $\epsilon_r = 39.813$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3790
- ConvF(8.44, 8.44, 8.44); Calibrated: 2012-04-27;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1316; Calibrated: 2012-02-15
- Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1179
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

LTE - Left/Cheek - Middle - QPSK - 10MHz -RB - 100% offset/Area Scan (81x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.268 W/kg

LTE - Left/Cheek - Middle - QPSK - 10MHz -RB - 100% offset/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 16.925 V/m

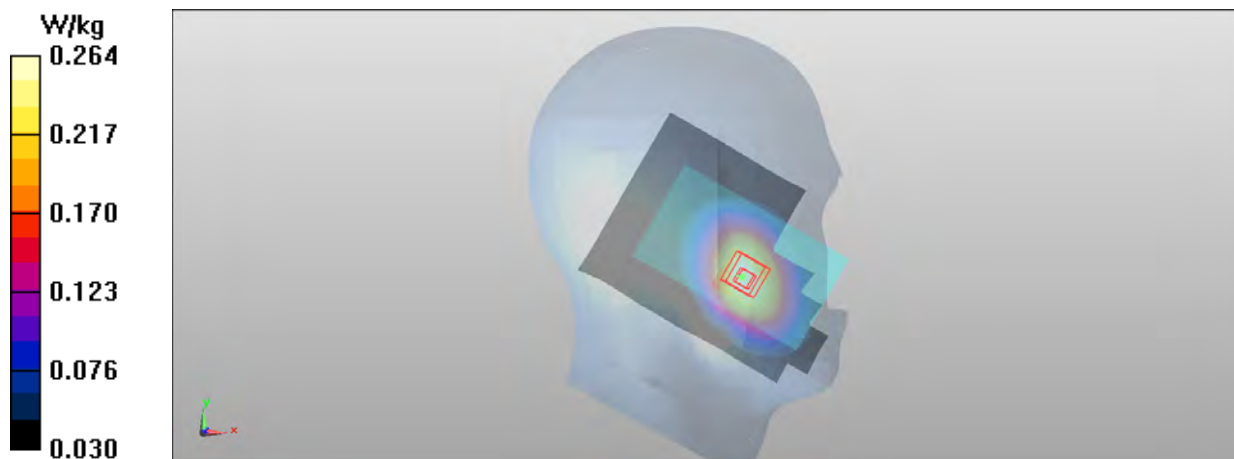
Peak SAR (extrapolated) = 0.323 mW/g

SAR(1 g) = 0.250 mW/g

SAR(10 g) = 0.188 mW/g

Power Drift = 0.04 dB

Maximum value of SAR (measured) = 0.264 W/kg



Date/Time: 2012-08-15 15:27:38

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976156/7

Communication System: LTE850

Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: HSL850; Medium Notes: $t = 21.8$ C

Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.894$ mho/m; $\epsilon_r = 39.813$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3790
- ConvF(8.44, 8.44, 8.44); Calibrated: 2012-04-27;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1316; Calibrated: 2012-02-15
- Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1179
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

LTE - Left/Tilt - Middle - QPSK - 10MHz - 1 RB - 100% offset/Area Scan (81x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.161 W/kg

LTE - Left/Tilt - Middle - QPSK - 10MHz - 1 RB - 100% offset/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 13.226 V/m

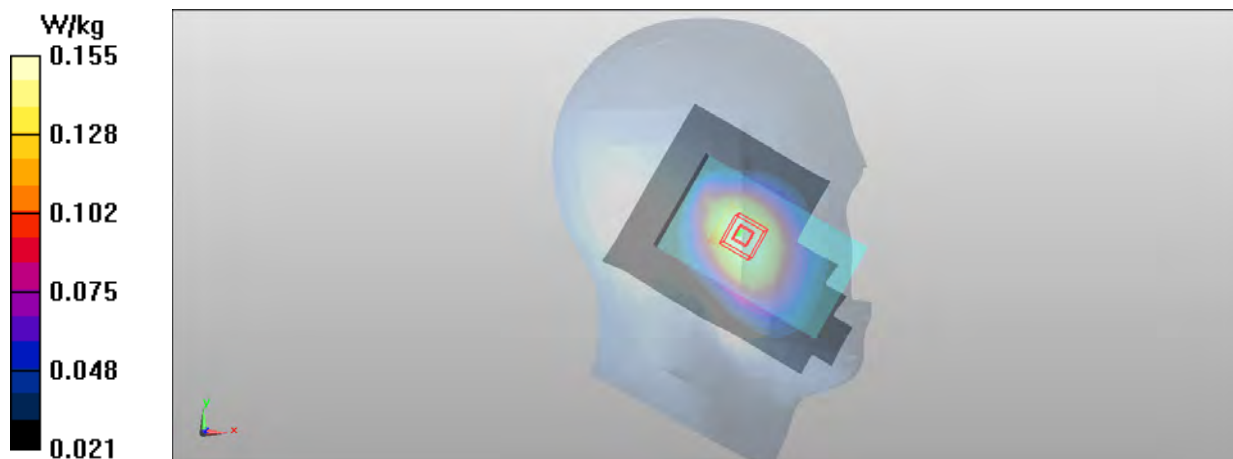
Peak SAR (extrapolated) = 0.181 mW/g

SAR(1 g) = 0.148 mW/g

SAR(10 g) = 0.115 mW/g

Power Drift = 0.03 dB

Maximum value of SAR (measured) = 0.155 W/kg



Date/Time: 2012-08-15 19:52:52

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976156/7

Communication System: LTE850

Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: HSL850; Medium Notes: $t = 21.8$ C

Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.894$ mho/m; $\epsilon_r = 39.813$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3790
- ConvF(8.44, 8.44, 8.44); Calibrated: 2012-04-27;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1316; Calibrated: 2012-02-15
- Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1179
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

LTE - Right/Cheek - Middle - QPSK - 10MHz - 1 RB - 100% offset/Area Scan (81x121x1): Interpolated grid:

$dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.217 W/kg

LTE - Right/Cheek - Middle - QPSK - 10MHz - 1 RB - 100% offset/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

$dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 15.674 V/m

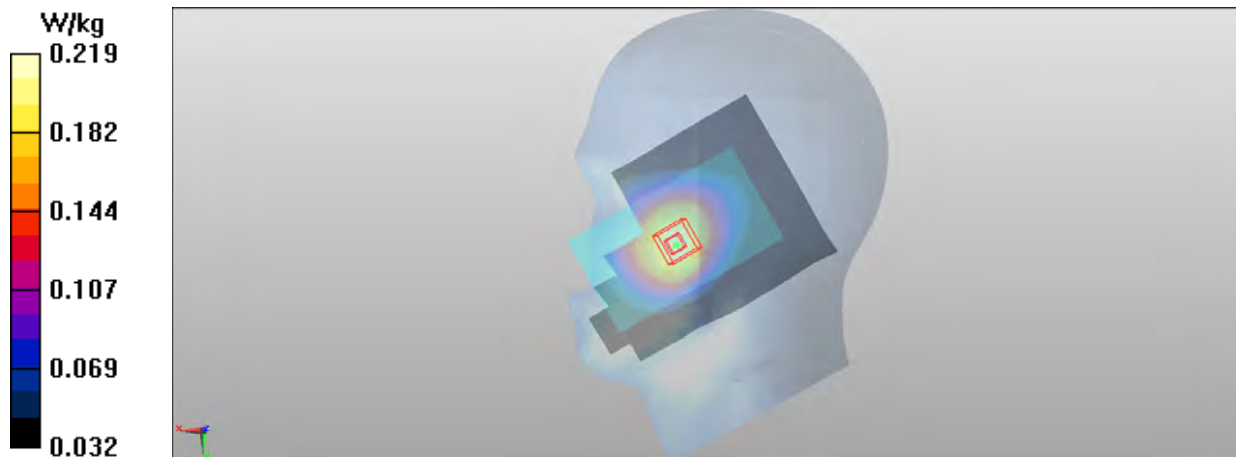
Peak SAR (extrapolated) = 0.254 mW/g

SAR(1 g) = 0.208 mW/g

SAR(10 g) = 0.158 mW/g

Power Drift = 0.07 dB

Maximum value of SAR (measured) = 0.219 W/kg



Date/Time: 2012-08-16 09:07:06

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976156/7

Communication System: LTE850

Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: HSL850; Medium Notes: $t = 21.5$ C

Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.919$ mho/m; $\epsilon_r = 40.562$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3790
- ConvF(8.44, 8.44, 8.44); Calibrated: 2012-04-27;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1316; Calibrated: 2012-02-15
- Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1179
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.6 (6824)

LTE - Right/Tilt - Middle - QPSK - 10MHz - 1 RB - 100% offset/Area Scan (81x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.175 W/kg

LTE - Right/Tilt - Middle - QPSK - 10MHz - 1 RB - 100% offset/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 13.738 V/m

Peak SAR (extrapolated) = 0.198 mW/g

SAR(1 g) = 0.163 mW/g

SAR(10 g) = 0.125 mW/g

Power Drift = -0.04 dB

Maximum value of SAR (measured) = 0.174 W/kg



Date/Time: 2012-08-15 12:58:00

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976156/7

Communication System: LTE850

Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: HSL850; Medium Notes: $t = 21.8$ C

Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.894$ mho/m; $\epsilon_r = 39.813$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3790
- ConvF(8.44, 8.44, 8.44); Calibrated: 2012-04-27;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1316; Calibrated: 2012-02-15
- Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1179
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

LTE - Left/Cheek - Middle - QPSK - 10MHz - 1 RB - 0% offset/Area Scan (81x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.301 W/kg

LTE - Left/Cheek - Middle - QPSK - 10MHz - 1 RB - 0% offset/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 18.085 V/m

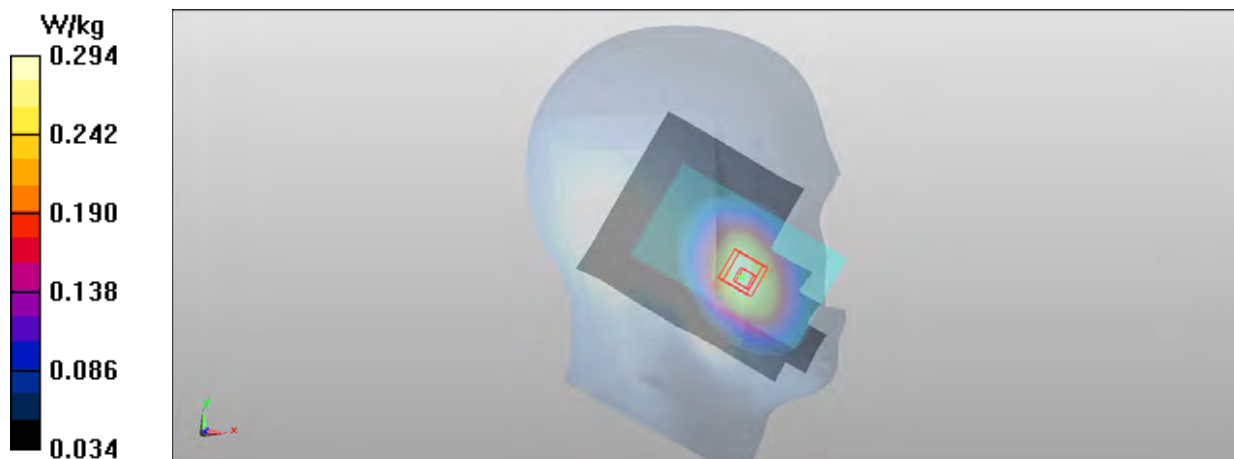
Peak SAR (extrapolated) = 0.352 mW/g

SAR(1 g) = 0.280 mW/g

SAR(10 g) = 0.210 mW/g

Power Drift = 0.04 dB

Maximum value of SAR (measured) = 0.294 W/kg



Date/Time: 2012-08-15 15:48:09

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976156/7

Communication System: LTE850

Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: HSL850; Medium Notes: $t = 21.8$ C

Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.894$ mho/m; $\epsilon_r = 39.813$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3790
- ConvF(8.44, 8.44, 8.44); Calibrated: 2012-04-27;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1316; Calibrated: 2012-02-15
- Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1179
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

LTE - Left/Tilt - Middle - QPSK - 10MHz - 1 RB - 0% offset/Area Scan (81x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.176 W/kg

LTE - Left/Tilt - Middle - QPSK - 10MHz - 1 RB - 0% offset/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

$dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 13.956 V/m

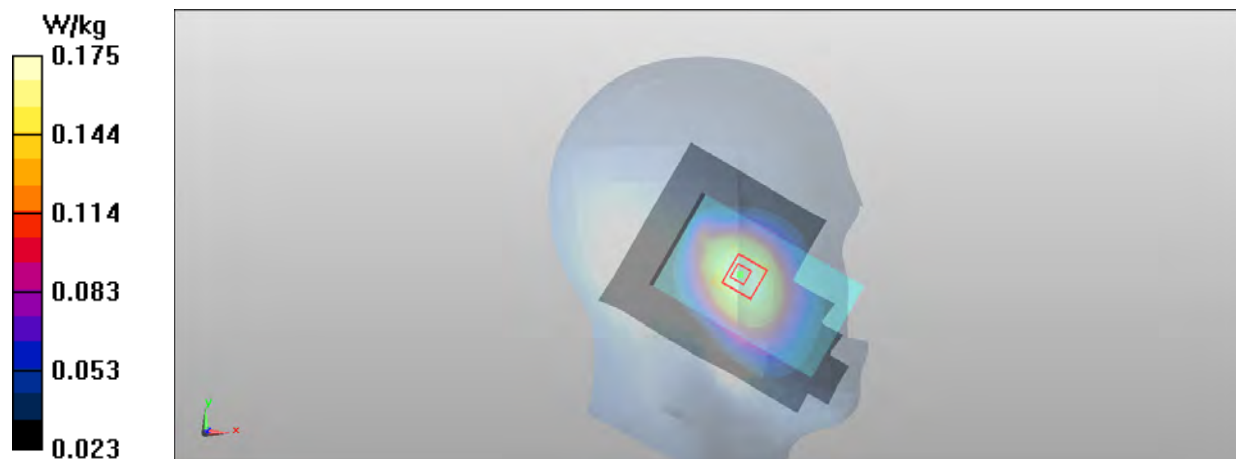
Peak SAR (extrapolated) = 0.197 mW/g

SAR(1 g) = 0.166 mW/g

SAR(10 g) = 0.130 mW/g

Power Drift = 0.10 dB

Maximum value of SAR (measured) = 0.175 W/kg



Date/Time: 2012-08-15 19:36:33

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976156/7

Communication System: LTE850

Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: HSL850; Medium Notes: $t = 21.8$ C

Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.894$ mho/m; $\epsilon_r = 39.813$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3790
- ConvF(8.44, 8.44, 8.44); Calibrated: 2012-04-27;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1316; Calibrated: 2012-02-15
- Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1179
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

LTE - Right/Cheek - Middle - QPSK - 10MHz - 1 RB - 0% offset/Area Scan (81x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.240 W/kg

LTE - Right/Cheek - Middle - QPSK - 10MHz - 1 RB - 0% offset/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 16.401 V/m

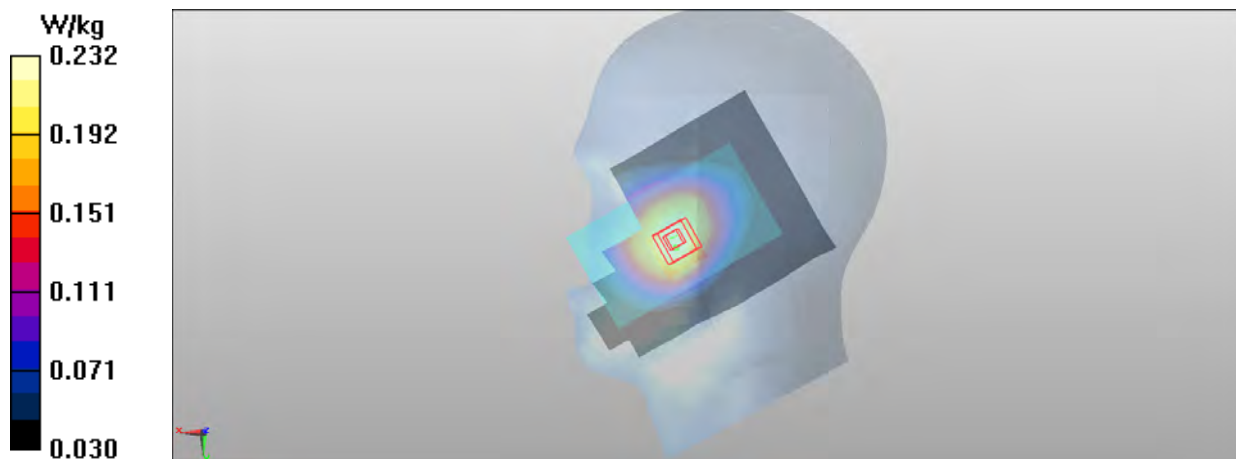
Peak SAR (extrapolated) = 0.274 mW/g

SAR(1 g) = 0.224 mW/g

SAR(10 g) = 0.169 mW/g

Power Drift = -0.03 dB

Maximum value of SAR (measured) = 0.232 W/kg



Date/Time: 2012-08-16 09:20:27

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976156/7

Communication System: LTE850

Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: HSL850; Medium Notes: $t = 21.5$ C

Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.919$ mho/m; $\epsilon_r = 40.562$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3790
- ConvF(8.44, 8.44, 8.44); Calibrated: 2012-04-27;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1316; Calibrated: 2012-02-15
- Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1179
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.6 (6824)

LTE - Right/Tilt - Middle - QPSK - 10MHz - 1 RB - 0% offset/Area Scan (81x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.197 W/kg

LTE - Right/Tilt - Middle - QPSK - 10MHz - 1 RB - 0% offset/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

$dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 14.614 V/m

Peak SAR (extrapolated) = 0.229 mW/g

SAR(1 g) = 0.187 mW/g

SAR(10 g) = 0.144 mW/g

Power Drift = -0.00 dB

Maximum value of SAR (measured) = 0.197 W/kg



Date/Time: 2012-08-15 13:17:47

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976156/7

Communication System: LTE850

Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: HSL850; Medium Notes: $t = 21.8$ C

Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.894$ mho/m; $\epsilon_r = 39.813$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3790
- ConvF(8.44, 8.44, 8.44); Calibrated: 2012-04-27;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1316; Calibrated: 2012-02-15
- Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1179
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

LTE - Left/Cheek - Middle - 16QAM - 10MHz - 100% RB/Area Scan (81x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.175 W/kg

LTE - Left/Cheek - Middle - 16QAM - 10MHz - 100% RB/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

$dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 13.787 V/m

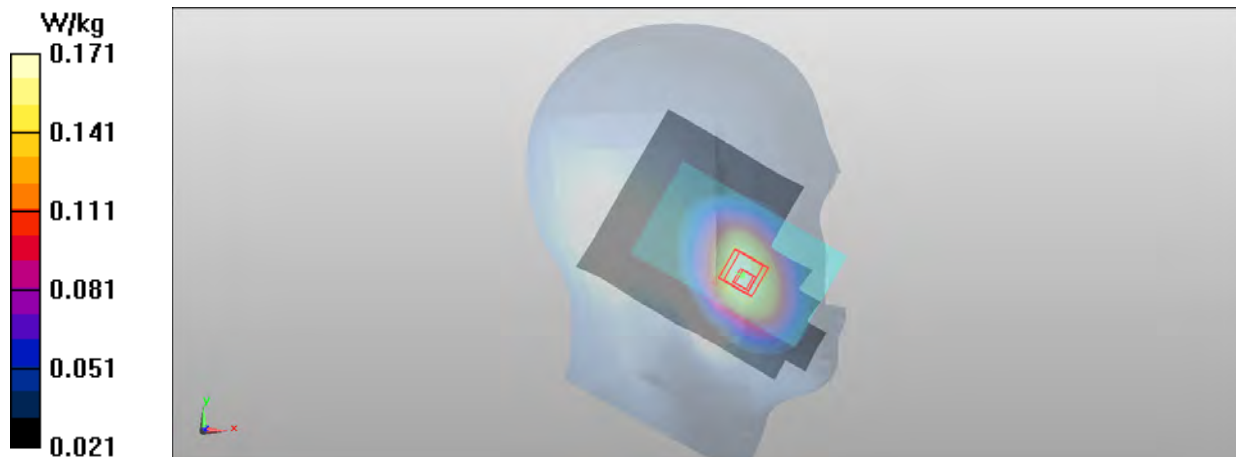
Peak SAR (extrapolated) = 0.211 mW/g

SAR(1 g) = 0.163 mW/g

SAR(10 g) = 0.122 mW/g

Power Drift = 0.05 dB

Maximum value of SAR (measured) = 0.171 W/kg



Date/Time: 2012-08-15 16:33:06

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976156/7

Communication System: LTE850

Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: HSL850; Medium Notes: $t = 21.8$ C

Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.894$ mho/m; $\epsilon_r = 39.813$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3790
- ConvF(8.44, 8.44, 8.44); Calibrated: 2012-04-27;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1316; Calibrated: 2012-02-15
- Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1179
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

LTE - Left/Tilt - Middle - 16QAM - 10MHz - 100% RB/Area Scan (81x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.120 W/kg

LTE - Left/Tilt - Middle - 16QAM - 10MHz - 100% RB/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 11.459 V/m

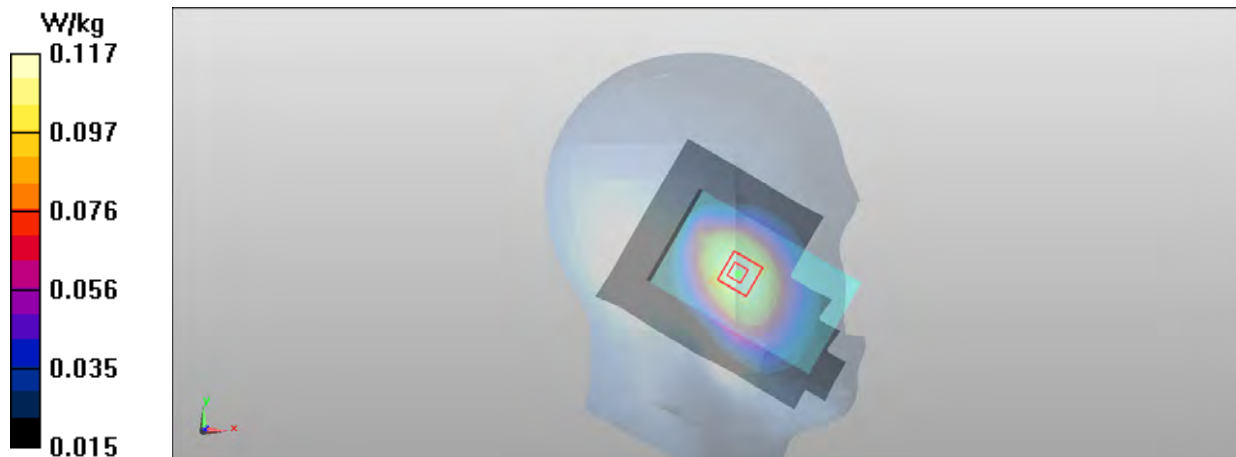
Peak SAR (extrapolated) = 0.137 mW/g

SAR(1 g) = 0.112 mW/g

SAR(10 g) = 0.087 mW/g

Power Drift = 0.07 dB

Maximum value of SAR (measured) = 0.117 W/kg



Date/Time: 2012-08-15 20:07:24

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976156/7

Communication System: LTE850

Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: HSL850; Medium Notes: $t = 21.8$ C

Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.894$ mho/m; $\epsilon_r = 39.813$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3790
- ConvF(8.44, 8.44, 8.44); Calibrated: 2012-04-27;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1316; Calibrated: 2012-02-15
- Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1179
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

LTE - Right/Cheek - Middle - 16QAM - 10MHz - 100% RB/Area Scan (81x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.145 W/kg

LTE - Right/Cheek - Middle - 16QAM - 10MHz - 100% RB/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

$dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 12.644 V/m

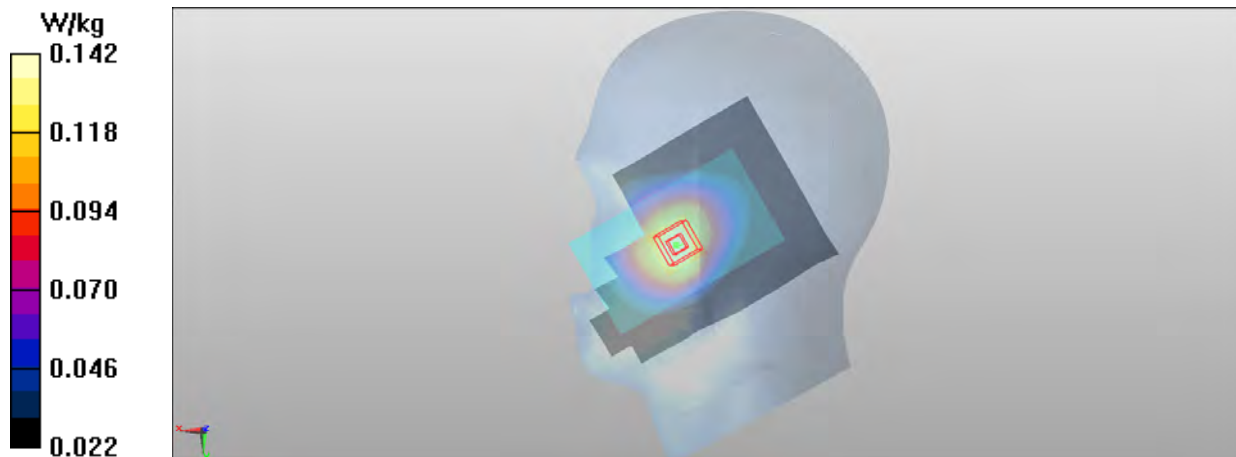
Peak SAR (extrapolated) = 0.164 mW/g

SAR(1 g) = 0.135 mW/g

SAR(10 g) = 0.103 mW/g

Power Drift = 0.05 dB

Maximum value of SAR (measured) = 0.142 W/kg



Date/Time: 2012-08-16 09:43:40

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976156/7

Communication System: LTE850

Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: HSL850; Medium Notes: $t = 21.5$ C

Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.919$ mho/m; $\epsilon_r = 40.562$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3790
- ConvF(8.44, 8.44, 8.44); Calibrated: 2012-04-27;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1316; Calibrated: 2012-02-15
- Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1179
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.6 (6824)

LTE - Right/Tilt - Middle - 16QAM - 10MHz - 100% RB/Area Scan (81x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.121 W/kg

LTE - Right/Tilt - Middle - 16QAM - 10MHz - 100% RB/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

$dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 11.284 V/m

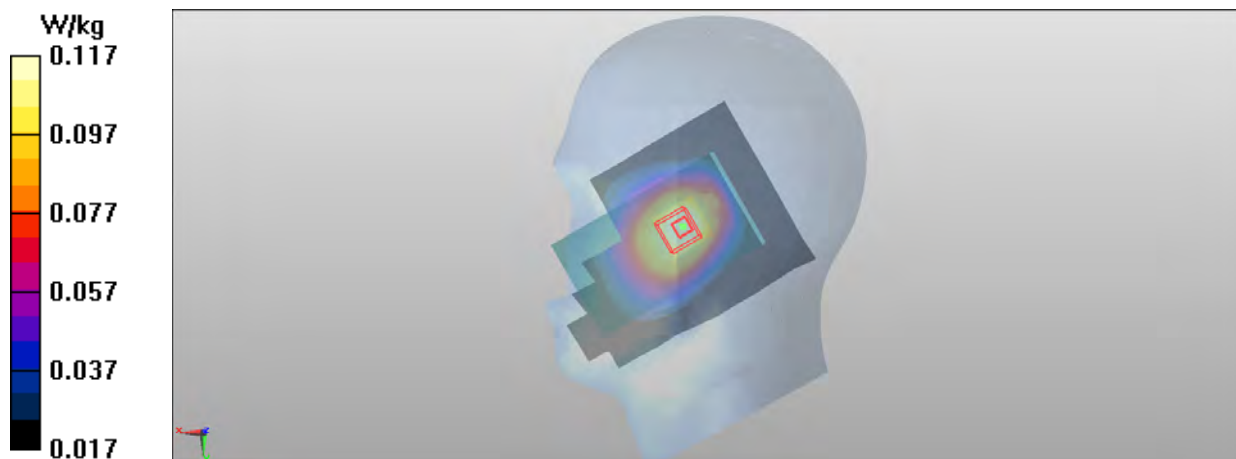
Peak SAR (extrapolated) = 0.135 mW/g

SAR(1 g) = 0.112 mW/g

SAR(10 g) = 0.087 mW/g

Power Drift = 0.03 dB

Maximum value of SAR (measured) = 0.117 W/kg



Date/Time: 2012-08-15 13:32:26

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976156/7

Communication System: LTE850

Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: HSL850; Medium Notes: $t = 21.8$ C

Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.894$ mho/m; $\epsilon_r = 39.813$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3790
- ConvF(8.44, 8.44, 8.44); Calibrated: 2012-04-27;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1316; Calibrated: 2012-02-15
- Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1179
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

LTE - Left/Cheek - Middle - 16QAM - 10MHz - 50% RB - 50% offset/Area Scan (81x121x1): Interpolated grid:
dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.176 W/kg

LTE - Left/Cheek - Middle - 16QAM - 10MHz - 50% RB - 50% offset/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 13.847 V/m

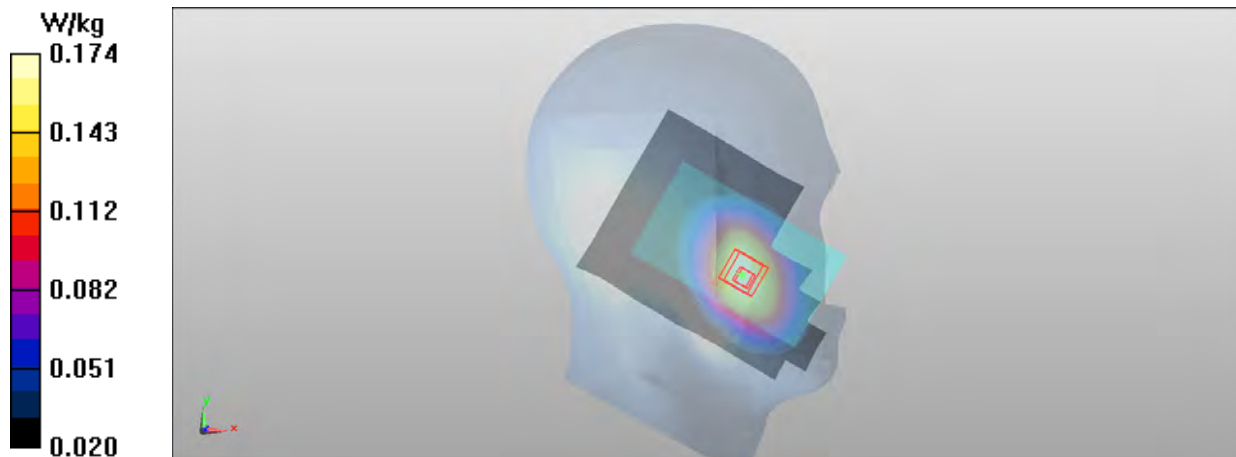
Peak SAR (extrapolated) = 0.212 mW/g

SAR(1 g) = 0.165 mW/g

SAR(10 g) = 0.124 mW/g

Power Drift = 0.04 dB

Maximum value of SAR (measured) = 0.174 W/kg



Date/Time: 2012-08-15 16:47:38

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976156/7

Communication System: LTE850

Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: HSL850; Medium Notes: $t = 21.8$ C

Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.894$ mho/m; $\epsilon_r = 39.813$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3790
- ConvF(8.44, 8.44, 8.44); Calibrated: 2012-04-27;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1316; Calibrated: 2012-02-15
- Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1179
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

LTE - Left/Tilt - Middle - 16QAM - 10MHz - 50% RB - 50% offset/Area Scan (81x121x1): Interpolated grid:

$dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.121 W/kg

LTE - Left/Tilt - Middle - 16QAM - 10MHz - 50% RB - 50% offset/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

$dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 11.606 V/m

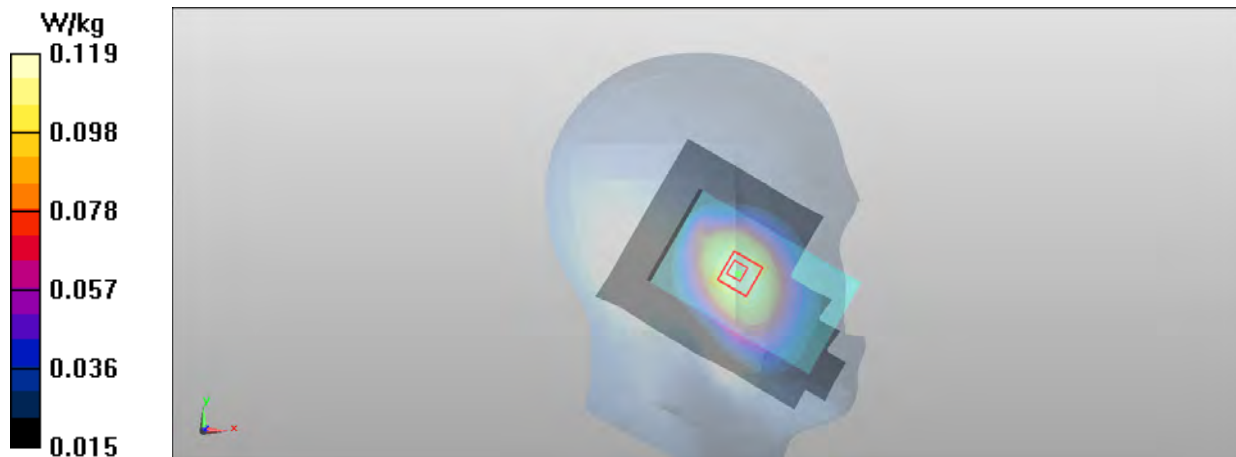
Peak SAR (extrapolated) = 0.138 mW/g

SAR(1 g) = 0.114 mW/g

SAR(10 g) = 0.088 mW/g

Power Drift = 0.02 dB

Maximum value of SAR (measured) = 0.119 W/kg



Date/Time: 2012-08-15 20:21:16

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976156/7

Communication System: LTE850

Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: HSL850; Medium Notes: $t = 21.8$ C

Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.894$ mho/m; $\epsilon_r = 39.813$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3790
- ConvF(8.44, 8.44, 8.44); Calibrated: 2012-04-27;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1316; Calibrated: 2012-02-15
- Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1179
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

LTE - Right/Cheek - Middle - 16QAM - 10MHz - 50% RB - 50% offset/Area Scan (81x121x1): Interpolated grid:
dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.148 W/kg

LTE - Right/Cheek - Middle - 16QAM - 10MHz - 50% RB - 50% offset/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 12.663 V/m

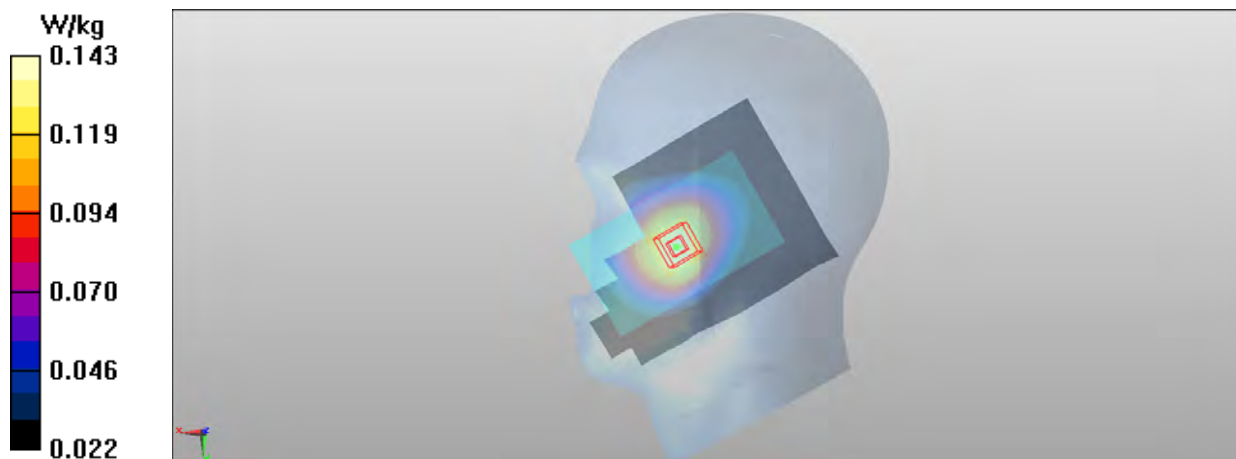
Peak SAR (extrapolated) = 0.167 mW/g

SAR(1 g) = 0.135 mW/g

SAR(10 g) = 0.103 mW/g

Power Drift = 0.06 dB

Maximum value of SAR (measured) = 0.143 W/kg



Date/Time: 2012-08-16 09:59:57

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976156/7

Communication System: LTE850

Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: HSL850; Medium Notes: $t = 21.5$ C

Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.919$ mho/m; $\epsilon_r = 40.562$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3790
- ConvF(8.44, 8.44, 8.44); Calibrated: 2012-04-27;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1316; Calibrated: 2012-02-15
- Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1179
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.6 (6824)

LTE - Right/Tilt - Middle - 16QAM - 10MHz - 50% RB - 50% offset/Area Scan (81x121x1): Interpolated grid:

$dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.121 W/kg

LTE - Right/Tilt - Middle - 16QAM - 10MHz - 50% RB - 50% offset/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

$dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 11.370 V/m

Peak SAR (extrapolated) = 0.137 mW/g

SAR(1 g) = 0.113 mW/g

SAR(10 g) = 0.088 mW/g

Power Drift = 0.00 dB

Maximum value of SAR (measured) = 0.118 W/kg



Date/Time: 2012-08-15 13:47:01

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976156/7

Communication System: LTE850

Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: HSL850; Medium Notes: $t = 21.8$ C

Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.894$ mho/m; $\epsilon_r = 39.813$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3790
- ConvF(8.44, 8.44, 8.44); Calibrated: 2012-04-27;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1316; Calibrated: 2012-02-15
- Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1179
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

LTE - Left/Cheek - Middle - 16QAM - 10MHz - 1 RB - 50% offset/Area Scan (81x121x1): Interpolated grid:

$dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.212 W/kg

LTE - Left/Cheek - Middle - 16QAM - 10MHz - 1 RB - 50% offset/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

$dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 14.958 V/m

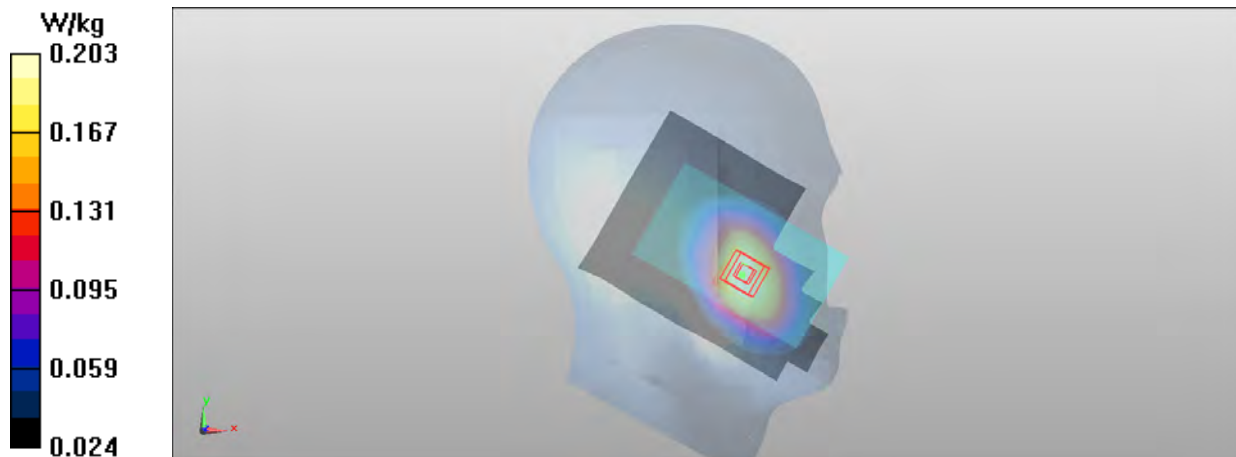
Peak SAR (extrapolated) = 0.250 mW/g

SAR(1 g) = 0.191 mW/g

SAR(10 g) = 0.144 mW/g

Power Drift = 0.14 dB

Maximum value of SAR (measured) = 0.203 W/kg



Date/Time: 2012-08-15 17:03:05

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976156/7

Communication System: LTE850

Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: HSL850; Medium Notes: $t = 21.8$ C

Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.894$ mho/m; $\epsilon_r = 39.813$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3790
- ConvF(8.44, 8.44, 8.44); Calibrated: 2012-04-27;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1316; Calibrated: 2012-02-15
- Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1179
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

LTE - Left/Tilt - Middle - 16QAM - 10MHz - 1 RB - 50% offset/Area Scan (81x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.136 W/kg

LTE - Left/Tilt - Middle - 16QAM - 10MHz - 1 RB - 50% offset/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 12.427 V/m

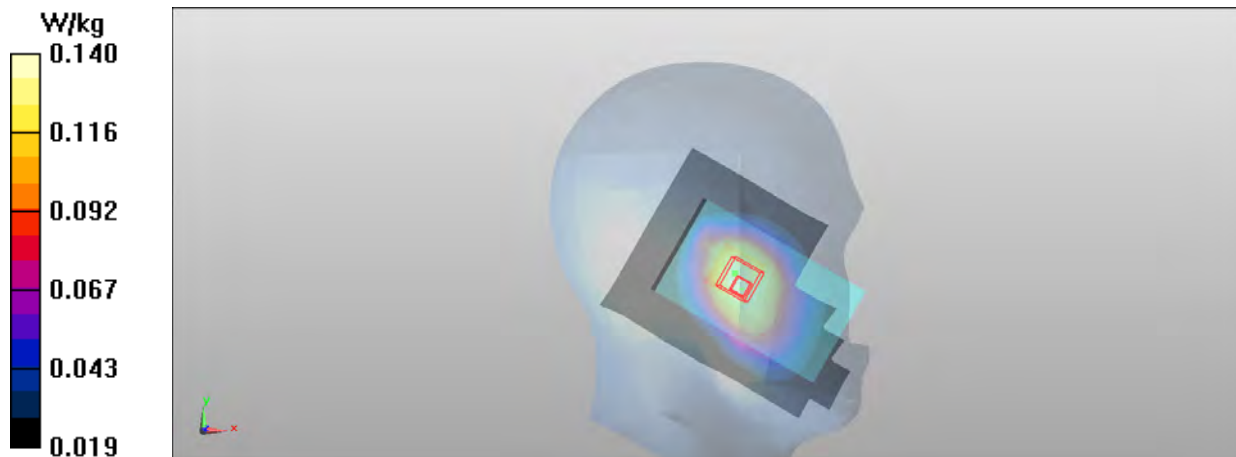
Peak SAR (extrapolated) = 0.167 mW/g

SAR(1 g) = 0.134 mW/g

SAR(10 g) = 0.101 mW/g

Power Drift = -0.01 dB

Maximum value of SAR (measured) = 0.140 W/kg



Date/Time: 2012-08-15 20:36:04

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976156/7

Communication System: LTE850

Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: HSL850; Medium Notes: $t = 21.8$ C

Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.894$ mho/m; $\epsilon_r = 39.813$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3790
- ConvF(8.44, 8.44, 8.44); Calibrated: 2012-04-27;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1316; Calibrated: 2012-02-15
- Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1179
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

LTE - Right/Cheek - Middle - 16QAM - 10MHz - 1 RB - 50% offset/Area Scan (81x121x1): Interpolated grid:

$dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.172 W/kg

LTE - Right/Cheek - Middle - 16QAM - 10MHz - 1 RB - 50% offset/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

$dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 13.768 V/m

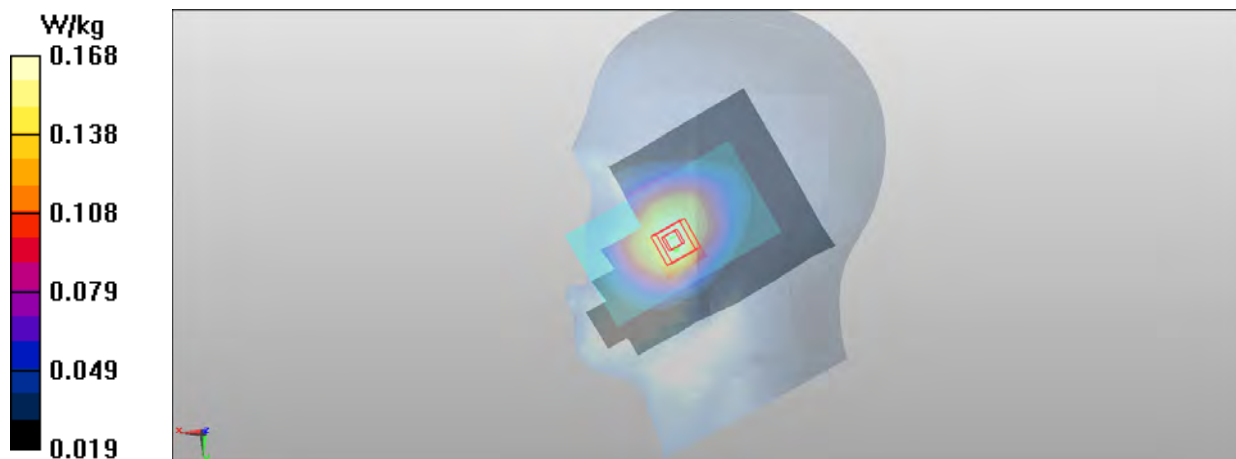
Peak SAR (extrapolated) = 0.204 mW/g

SAR(1 g) = 0.161 mW/g

SAR(10 g) = 0.120 mW/g

Power Drift = 0.05 dB

Maximum value of SAR (measured) = 0.168 W/kg



Date/Time: 2012-08-16 10:13:28

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976156/7

Communication System: LTE850

Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: HSL850; Medium Notes: $t = 21.5$ C

Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.919$ mho/m; $\epsilon_r = 40.562$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3790
- ConvF(8.44, 8.44, 8.44); Calibrated: 2012-04-27;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1316; Calibrated: 2012-02-15
- Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1179
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.6 (6824)

LTE - Right/Tilt - Middle - 16QAM - 10MHz - 1 RB - 50% offset/Area Scan (81x121x1): Interpolated grid:

$dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.142 W/kg

LTE - Right/Tilt - Middle - 16QAM - 10MHz - 1 RB - 50% offset/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

$dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 12.156 V/m

Peak SAR (extrapolated) = 0.159 mW/g

SAR(1 g) = 0.130 mW/g

SAR(10 g) = 0.102 mW/g

Power Drift = 0.19 dB

Maximum value of SAR (measured) = 0.135 W/kg



Date/Time: 2012-08-15 14:01:17

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976156/7

Communication System: LTE850

Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: HSL850; Medium Notes: $t = 21.8$ C

Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.894$ mho/m; $\epsilon_r = 39.813$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3790
- ConvF(8.44, 8.44, 8.44); Calibrated: 2012-04-27;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1316; Calibrated: 2012-02-15
- Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1179
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

LTE - Left/Cheek - Middle - 16QAM - 10MHz - 1 RB - 100% offset/Area Scan (81x121x1): Interpolated grid:

$dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.205 W/kg

LTE - Left/Cheek - Middle - 16QAM - 10MHz - 1 RB - 100% offset/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

$dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 14.310 V/m

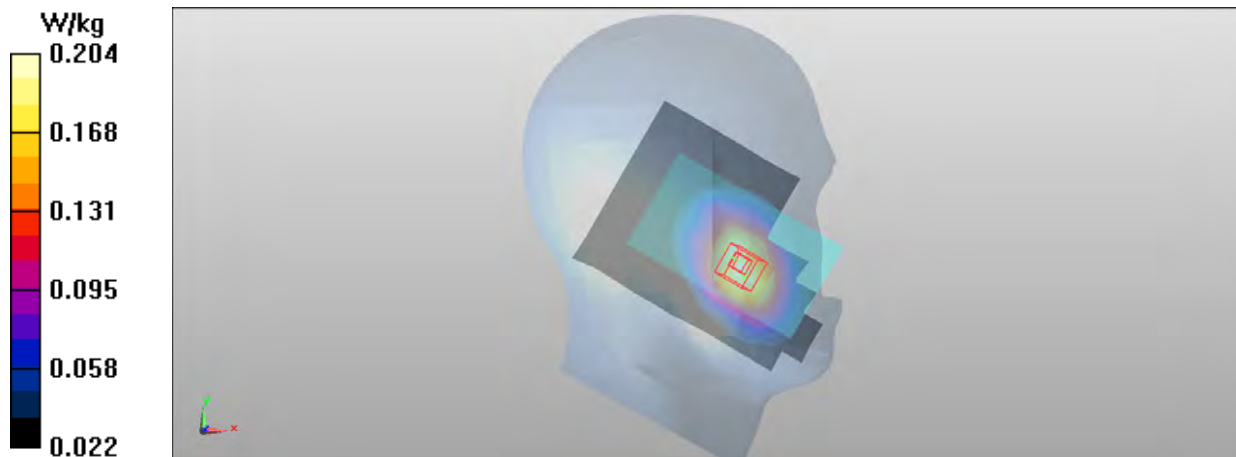
Peak SAR (extrapolated) = 0.268 mW/g

SAR(1 g) = 0.185 mW/g

SAR(10 g) = 0.135 mW/g

Power Drift = -0.01 dB

Maximum value of SAR (measured) = 0.204 W/kg



Date/Time: 2012-08-15 17:17:03

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976156/7

Communication System: LTE850

Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: HSL850; Medium Notes: $t = 21.8$ C

Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.894$ mho/m; $\epsilon_r = 39.813$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3790
- ConvF(8.44, 8.44, 8.44); Calibrated: 2012-04-27;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1316; Calibrated: 2012-02-15
- Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1179
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

LTE - Left/Tilt - Middle - 16QAM - 10MHz - 1 RB - 100% offset/Area Scan (81x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.134 W/kg

LTE - Left/Tilt - Middle - 16QAM - 10MHz - 1 RB - 100% offset/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 11.930 V/m

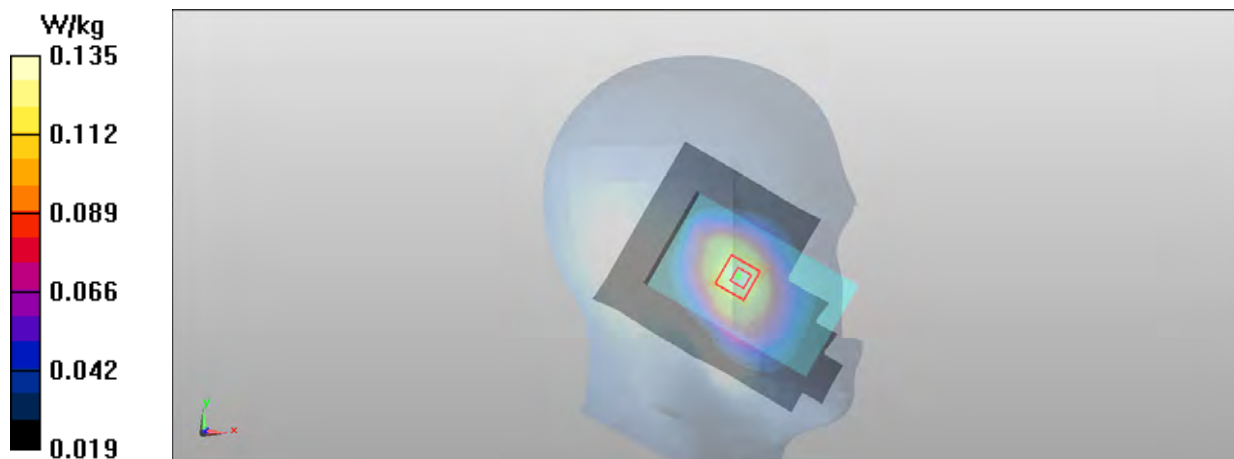
Peak SAR (extrapolated) = 0.161 mW/g

SAR(1 g) = 0.127 mW/g

SAR(10 g) = 0.095 mW/g

Power Drift = 0.36 dB

Maximum value of SAR (measured) = 0.135 W/kg



Date/Time: 2012-08-15 20:55:09

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976156/7

Communication System: LTE850

Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: HSL850; Medium Notes: $t = 21.8$ C

Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.894$ mho/m; $\epsilon_r = 39.813$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3790
- ConvF(8.44, 8.44, 8.44); Calibrated: 2012-04-27;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1316; Calibrated: 2012-02-15
- Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1179
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

LTE - Right/Cheek - Middle - 16QAM - 10MHz - 1 RB - 100% offset/Area Scan (81x121x1): Interpolated grid:
dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.167 W/kg

LTE - Right/Cheek - Middle - 16QAM - 10MHz - 1 RB - 100% offset/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 13.652 V/m

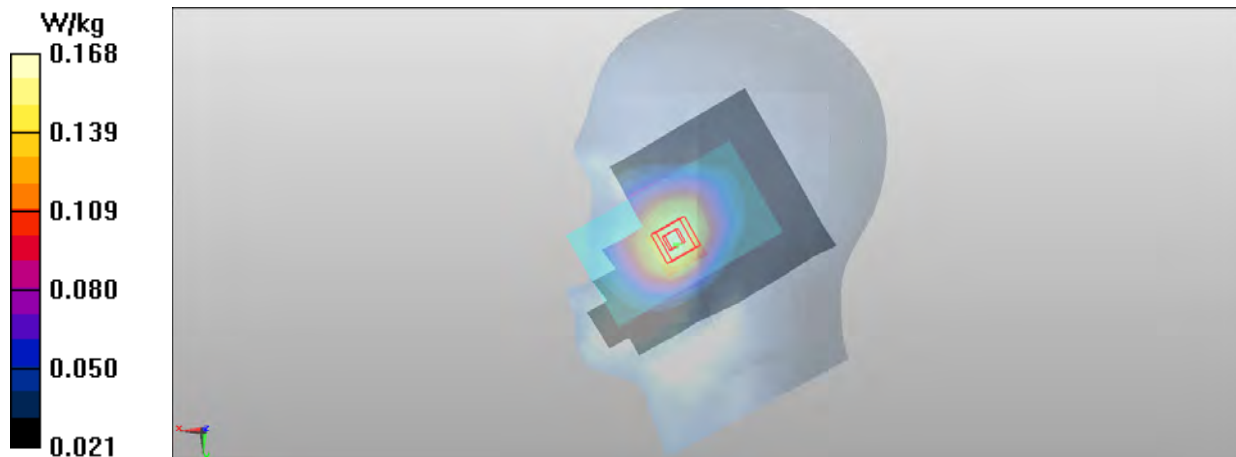
Peak SAR (extrapolated) = 0.203 mW/g

SAR(1 g) = 0.158 mW/g

SAR(10 g) = 0.119 mW/g

Power Drift = 0.20 dB

Maximum value of SAR (measured) = 0.168 W/kg



Date/Time: 2012-08-16 11:20:38

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976156/7

Communication System: LTE850

Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: HSL850; Medium Notes: $t = 21.5$ C

Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.919$ mho/m; $\epsilon_r = 40.562$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3790
- ConvF(8.44, 8.44, 8.44); Calibrated: 2012-04-27;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1316; Calibrated: 2012-02-15
- Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1179
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.6 (6824)

LTE - Right/Tilt - Middle - 16QAM - 10MHz - 1 RB - 100% offset/Area Scan (81x121x1): Interpolated grid:

$dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.137 W/kg

LTE - Right/Tilt - Middle - 16QAM - 10MHz - 1 RB - 100% offset/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

$dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 11.815 V/m

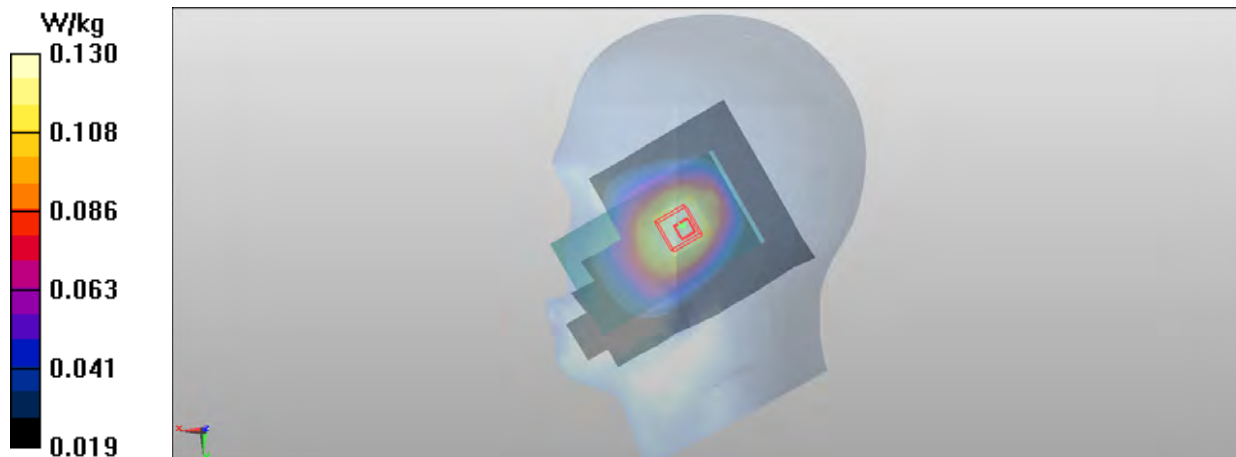
Peak SAR (extrapolated) = 0.164 mW/g

SAR(1 g) = 0.126 mW/g

SAR(10 g) = 0.098 mW/g

Power Drift = 0.34 dB

Maximum value of SAR (measured) = 0.130 W/kg



Date/Time: 2012-08-15 14:15:39

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976156/7

Communication System: LTE850

Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: HSL850; Medium Notes: $t = 21.8$ C

Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.894$ mho/m; $\epsilon_r = 39.813$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3790
- ConvF(8.44, 8.44, 8.44); Calibrated: 2012-04-27;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1316; Calibrated: 2012-02-15
- Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1179
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

LTE - Left/Cheek - Middle - 16QAM - 10MHz - 1 RB - 0% offset/Area Scan (81x121x1): Interpolated grid:

$dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.227 W/kg

LTE - Left/Cheek - Middle - 16QAM - 10MHz - 1 RB - 0% offset/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

$dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 15.599 V/m

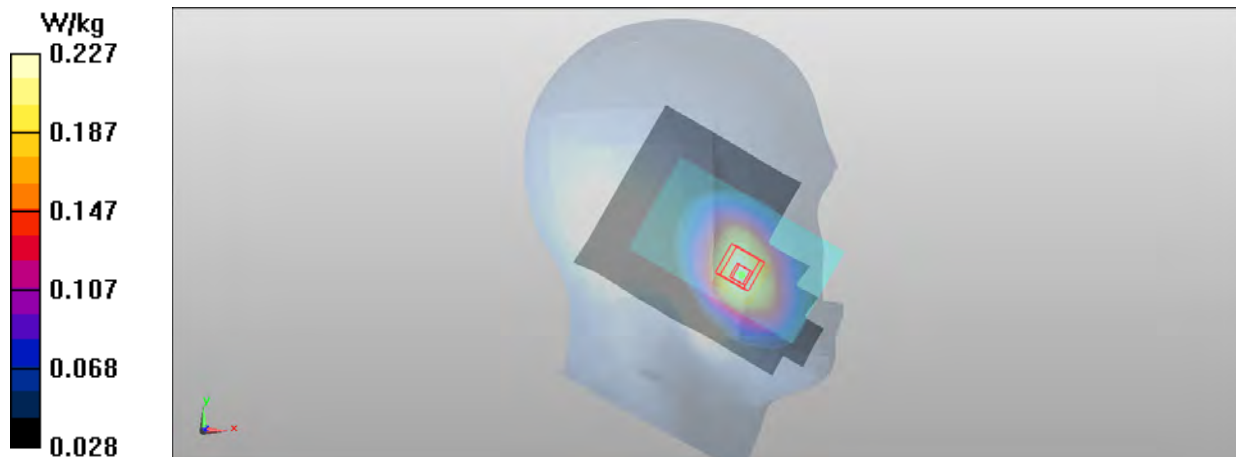
Peak SAR (extrapolated) = 0.279 mW/g

SAR(1 g) = 0.212 mW/g

SAR(10 g) = 0.159 mW/g

Power Drift = -0.01 dB

Maximum value of SAR (measured) = 0.227 W/kg



Date/Time: 2012-08-15 17:33:17

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976156/7

Communication System: LTE850

Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: HSL850; Medium Notes: $t = 21.8$ C

Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.894$ mho/m; $\epsilon_r = 39.813$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3790
- ConvF(8.44, 8.44, 8.44); Calibrated: 2012-04-27;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1316; Calibrated: 2012-02-15
- Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1179
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

LTE - Left/Tilt - Middle - 16QAM - 10MHz - 1 RB - 0% offset/Area Scan (81x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.152 W/kg

LTE - Left/Tilt - Middle - 16QAM - 10MHz - 1 RB - 0% offset/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

$dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 13.135 V/m

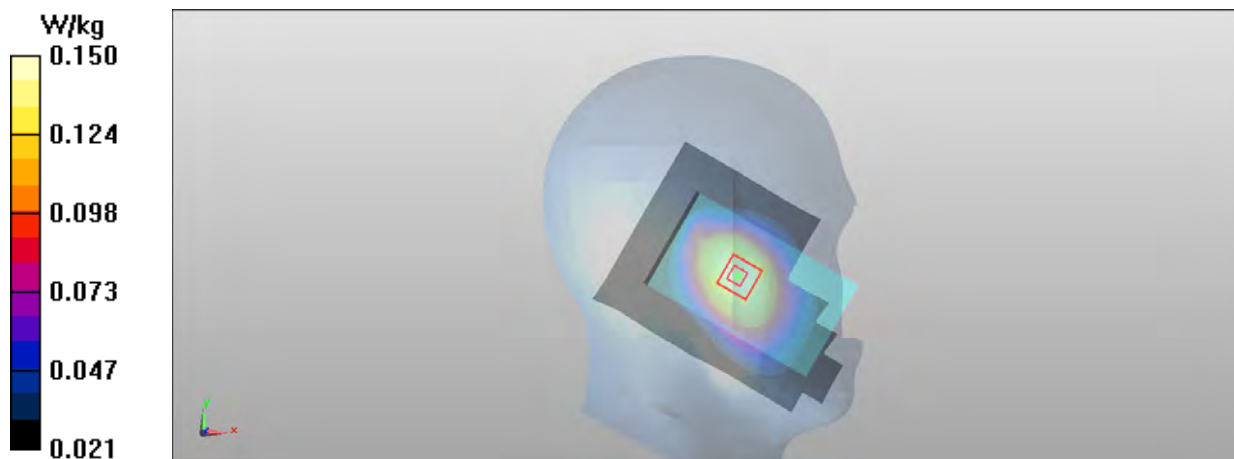
Peak SAR (extrapolated) = 0.171 mW/g

SAR(1 g) = 0.143 mW/g

SAR(10 g) = 0.112 mW/g

Power Drift = 0.01 dB

Maximum value of SAR (measured) = 0.150 W/kg



Date/Time: 2012-08-15 21:14:26

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976156/7

Communication System: LTE850

Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: HSL850; Medium Notes: $t = 21.8$ C

Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.894$ mho/m; $\epsilon_r = 39.813$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3790
- ConvF(8.44, 8.44, 8.44); Calibrated: 2012-04-27;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1316; Calibrated: 2012-02-15
- Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1179
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

LTE - Right/Cheek - Middle - 16QAM - 10MHz - 1 RB - 0% offset/Area Scan (81x121x1): Interpolated grid:

$dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.181 W/kg

LTE - Right/Cheek - Middle - 16QAM - 10MHz - 1 RB - 0% offset/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

$dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 14.571 V/m

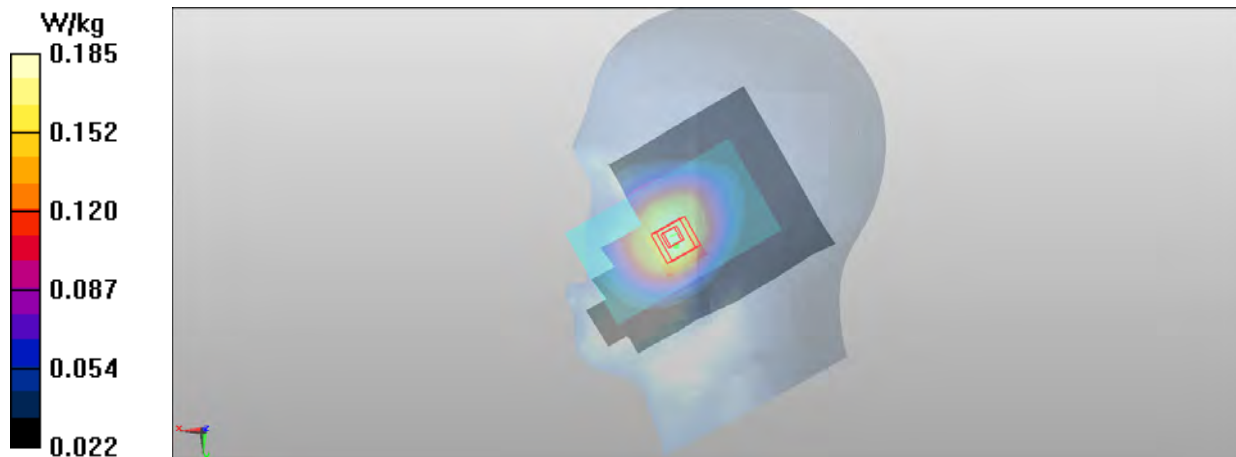
Peak SAR (extrapolated) = 0.222 mW/g

SAR(1 g) = 0.175 mW/g

SAR(10 g) = 0.131 mW/g

Power Drift = -0.10 dB

Maximum value of SAR (measured) = 0.185 W/kg



Date/Time: 2012-08-16 11:35:19

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976156/7

Communication System: LTE850

Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: HSL850; Medium Notes: $t = 21.5$ C

Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.919$ mho/m; $\epsilon_r = 40.562$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3790
- ConvF(8.44, 8.44, 8.44); Calibrated: 2012-04-27;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1316; Calibrated: 2012-02-15
- Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1179
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.6 (6824)

LTE - Right/Tilt - Middle - 16QAM - 10MHz - 1 RB - 0% offset/Area Scan (81x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.162 W/kg

LTE - Right/Tilt - Middle - 16QAM - 10MHz - 1 RB - 0% offset/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 13.100 V/m

Peak SAR (extrapolated) = 0.212 mW/g

SAR(1 g) = 0.153 mW/g

SAR(10 g) = 0.116 mW/g

Power Drift = 0.04 dB

Maximum value of SAR (measured) = 0.158 W/kg



Date/Time: 2012-08-16 13:01:39

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976156/7

Communication System: LTE850

Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: HSL850; Medium Notes: $t = 21.5$ C

Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.919$ mho/m; $\epsilon_r = 40.562$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3790
- ConvF(8.44, 8.44, 8.44); Calibrated: 2012-04-27;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1316; Calibrated: 2012-02-15
- Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1179
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.6 (6824)

LTE - Left/Cheek - Middle - QPSK - 10MHz - 1 RB - 0% offset- Cover CC-3401/Area Scan (81x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.286 W/kg

LTE - Left/Cheek - Middle - QPSK - 10MHz - 1 RB - 0% offset- Cover CC-3401/Zoom Scan (5x5x7)/Cube 0:

Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 17.169 V/m

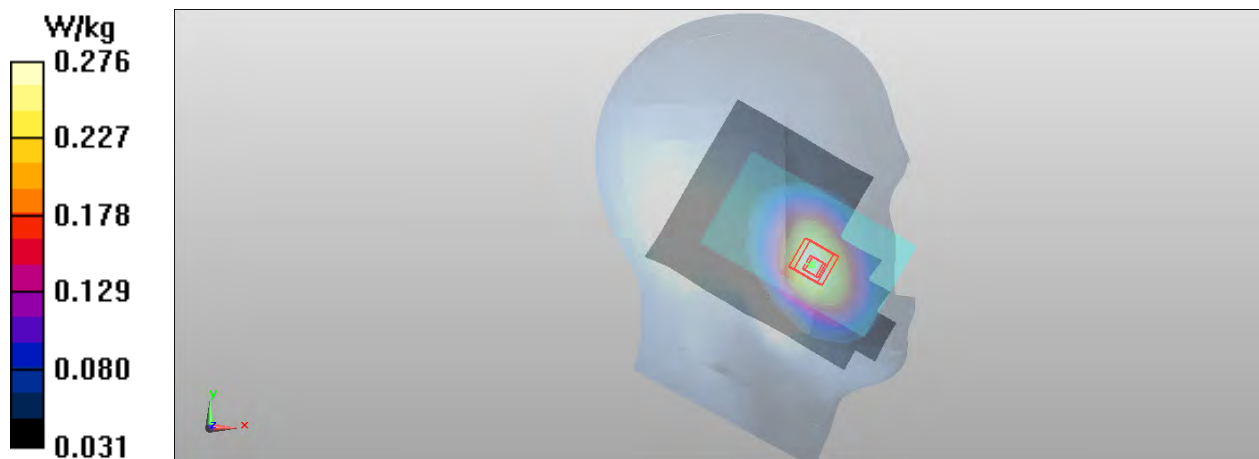
Peak SAR (extrapolated) = 0.339 mW/g

SAR(1 g) = 0.262 mW/g

SAR(10 g) = 0.196 mW/g

Power Drift = 0.07 dB

Maximum value of SAR (measured) = 0.276 W/kg



Date/Time: 2012-08-20 17:39:01

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976165/8

Communication System: WCDMA1700/2100

Frequency: 1752.6 MHz; Duty Cycle: 1:1

Medium: HSL1800; Medium Notes: t= 20.9 C

Medium parameters used: f = 1753 MHz; σ = 1.359 mho/m; ϵ_r = 38.34; ρ = 1000 kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3165

- ConvF(5.51, 5.51, 5.51); Calibrated: 2012-02-21;

- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11

- Phantom: SAM #1 CRP; Type: SAM; Serial:

- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.6 (6824)

WCDMA - Left/Cheek - High/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.788 W/kg

WCDMA - Left/Cheek - High/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 7.141 V/m

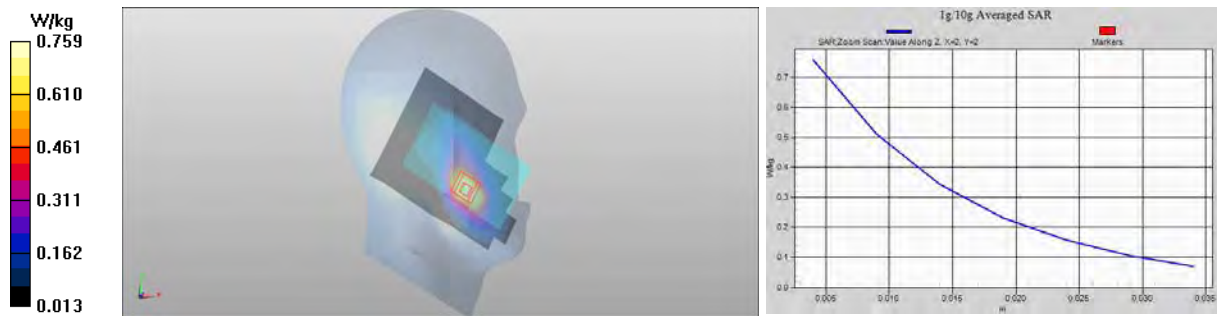
Peak SAR (extrapolated) = 1.055 mW/g

SAR(1 g) = 0.705 mW/g

SAR(10 g) = 0.441 mW/g

Power Drift = 0.19 dB

Maximum value of SAR (measured) = 0.759 W/kg



Date/Time: 2012-08-20 15:52:33

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976165/8

Communication System: WCDMA1700/2100

Frequency: 1732.4 MHz; Duty Cycle: 1:1

Medium: HSL1800; Medium Notes: t= 20.9 C

Medium parameters used (interpolated): f = 1732.4 MHz; σ = 1.337 mho/m; ϵ_r = 38.422; ρ = 1000 kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3165
- ConvF(5.51, 5.51, 5.51); Calibrated: 2012-02-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11
- Phantom: SAM #1 CRP; Type: SAM; Serial:
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.6 (6824)

WCDMA - Left/Tilt - Middle/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.235 W/kg

WCDMA - Left/Tilt - Middle/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 10.963 V/m

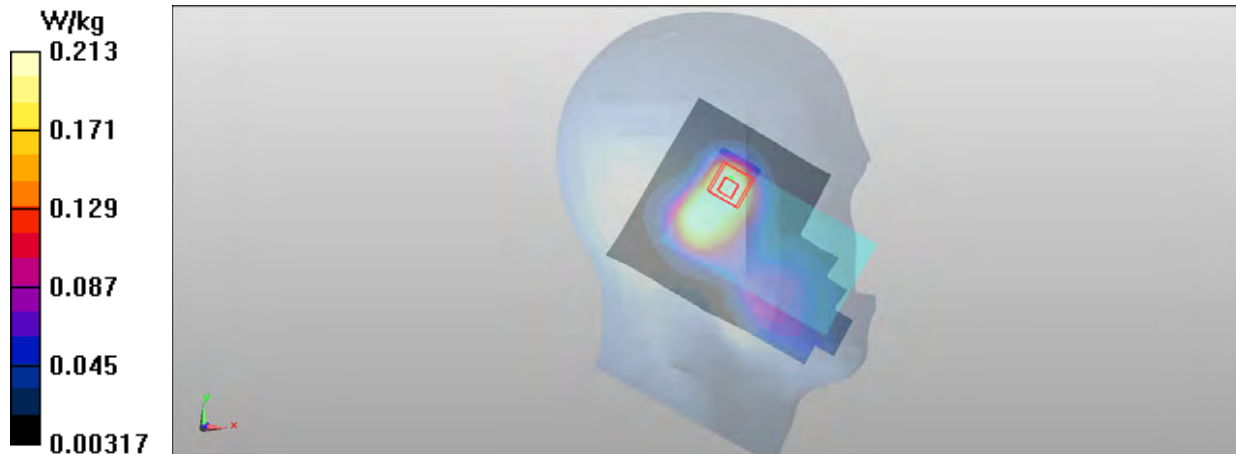
Peak SAR (extrapolated) = 0.302 mW/g

SAR(1 g) = 0.202 mW/g

SAR(10 g) = 0.125 mW/g

Power Drift = 0.04 dB

Maximum value of SAR (measured) = 0.213 W/kg



Date/Time: 2012-08-20 16:12:54

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976165/8

Communication System: WCDMA1700/2100

Frequency: 1732.4 MHz; Duty Cycle: 1:1

Medium: HSL1800; Medium Notes: t= 20.9 C

Medium parameters used (interpolated): f = 1732.4 MHz; σ = 1.337 mho/m; ϵ_r = 38.422; ρ = 1000 kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: ES3DV3 - SN3165
- ConvF(5.51, 5.51, 5.51); Calibrated: 2012-02-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11
- Phantom: SAM #1 CRP; Type: SAM; Serial:
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.6 (6824)

WCDMA - Right/Cheek - Middle/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.359 W/kg

WCDMA - Right/Cheek - Middle/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 6.859 V/m

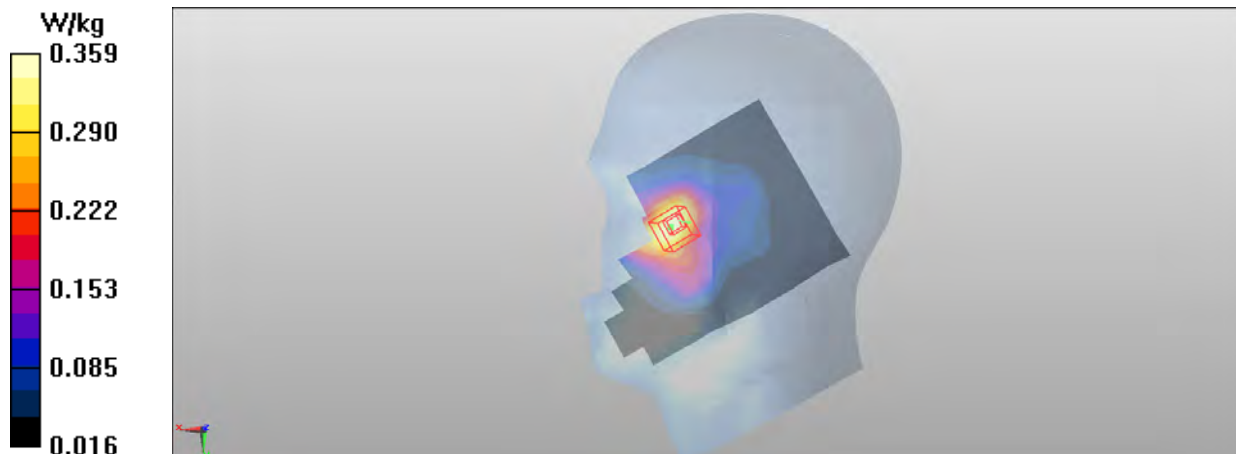
Peak SAR (extrapolated) = 0.478 mW/g

SAR(1 g) = 0.336 mW/g

SAR(10 g) = 0.221 mW/g

Power Drift = 0.19 dB

Maximum value of SAR (measured) = 0.359 W/kg



Date/Time: 2012-08-20 16:36:52

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976165/8

Communication System: WCDMA1700/2100

Frequency: 1732.4 MHz; Duty Cycle: 1:1

Medium: HSL1800; Medium Notes: t= 20.9 C

Medium parameters used (interpolated): f = 1732.4 MHz; σ = 1.337 mho/m; ϵ_r = 38.422; ρ = 1000 kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: ES3DV3 - SN3165
- ConvF(5.51, 5.51, 5.51); Calibrated: 2012-02-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11
- Phantom: SAM #1 CRP; Type: SAM; Serial:
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.6 (6824)

WCDMA - Right/Tilt - Middle/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.275 W/kg

WCDMA - Right/Tilt - Middle/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 11.996 V/m

Peak SAR (extrapolated) = 0.360 mW/g

SAR(1 g) = 0.236 mW/g

SAR(10 g) = 0.145 mW/g

Power Drift = -0.16 dB

Maximum value of SAR (measured) = 0.256 W/kg



Date/Time: 2012-08-20 20:12:05

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976165/8

Communication System: WCDMA1700/2100

Frequency: 1752.6 MHz; Duty Cycle: 1:1

Medium: HSL1800; Medium Notes: t= 20.9 C

Medium parameters used: f = 1753 MHz; σ = 1.359 mho/m; ϵ_r = 38.34; ρ = 1000 kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3165
- ConvF(5.51, 5.51, 5.51); Calibrated: 2012-02-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11
- Phantom: SAM #1 CRP; Type: SAM; Serial:
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.6 (6824)

WCDMA - Left/Cheek - High - Cover CC-3401/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.770 W/kg

WCDMA - Left/Cheek - High - Cover CC-3401/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 6.656 V/m

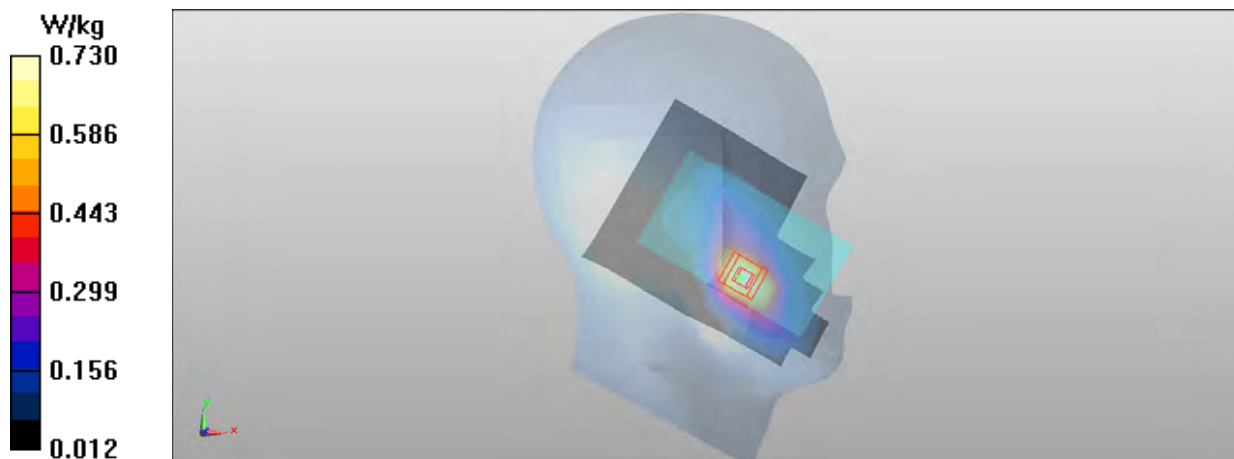
Peak SAR (extrapolated) = 1.020 mW/g

SAR(1 g) = 0.678 mW/g

SAR(10 g) = 0.423 mW/g

Power Drift = 0.13 dB

Maximum value of SAR (measured) = 0.730 W/kg



Date/Time: 2012-07-06 13:59:27

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE1700/2100

Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: HSL1800; Medium Notes: t= 20.8 C

Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.307 mho/m; ϵ_r = 39.274; ρ = 1000 kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3165
- ConvF(5.51, 5.51, 5.51); Calibrated: 2012-02-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11
- Phantom: SAM #1 CRP; Type: SAM; Serial: -
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

LTE - Left/Cheek - Middle - QPSK - 20MHz - 100% RB/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.534 mW/g

LTE - Left/Cheek - Middle - QPSK - 20MHz - 100% RB/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 5.141 V/m

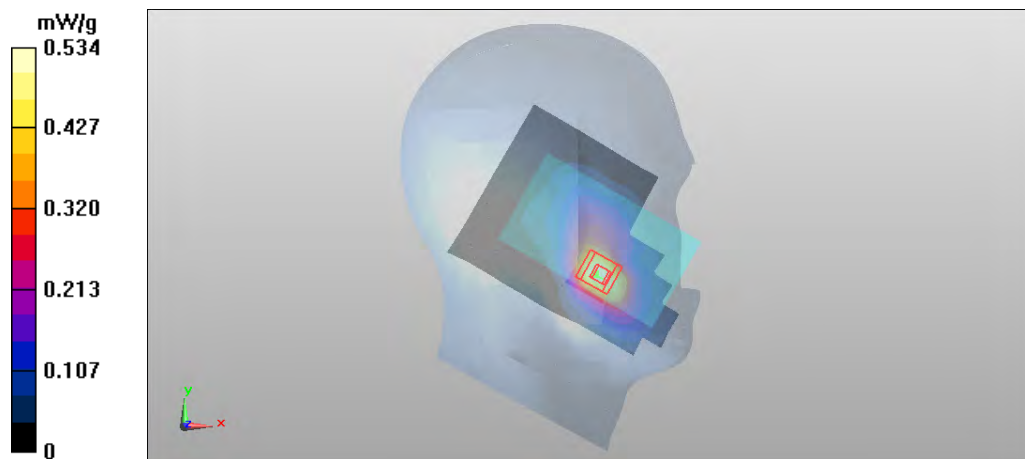
Peak SAR (extrapolated) = 0.699 mW/g

SAR(1 g) = 0.476 mW/g

SAR(10 g) = 0.303 mW/g

Power Drift = -0.08 dB

Maximum value of SAR (measured) = 0.506 mW/g



Date/Time: 2012-07-07 13:39:25

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE1700/2100

Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: HSL1800; Medium Notes: t= 20.8 C

Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.333 mho/m; ϵ_r = 39.04; ρ = 1000 kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3165

- ConvF(5.51, 5.51, 5.51); Calibrated: 2012-02-21;

- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11

- Phantom: SAM #1 CRP; Type: SAM; Serial: -

- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

LTE - Left/Tilt - Middle - QPSK - 20MHz - 100RB/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.202 mW/g

LTE - Left/Tilt - Middle - QPSK - 20MHz - 100RB/Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 9.145 V/m

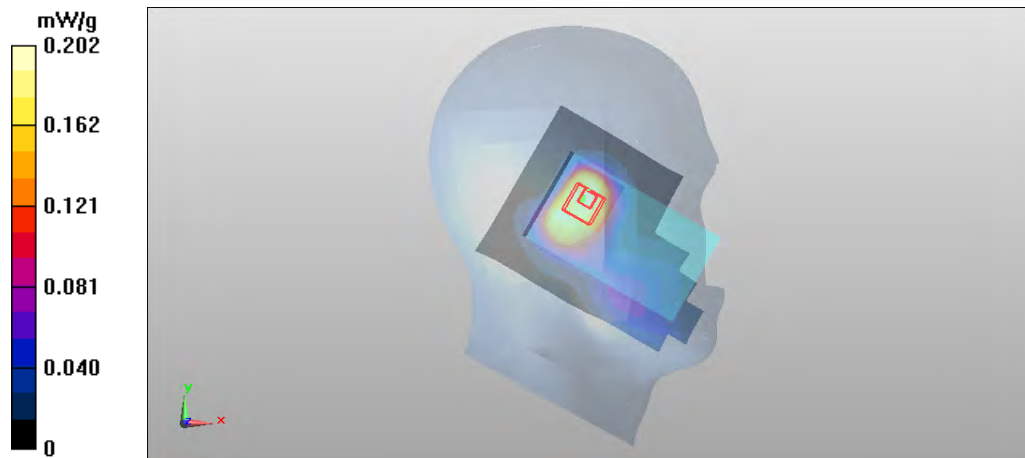
Peak SAR (extrapolated) = 0.255 mW/g

SAR(1 g) = 0.175 mW/g

SAR(10 g) = 0.117 mW/g

Power Drift = 0.04 dB

Maximum value of SAR (measured) = 0.184 mW/g



Date/Time: 2012-07-07 14:12:53

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE1700/2100

Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: HSL1800; Medium Notes: t= 20.8 C

Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.333 mho/m; ϵ_r = 39.04; ρ = 1000 kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: ES3DV3 - SN3165
- ConvF(5.51, 5.51, 5.51); Calibrated: 2012-02-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11
- Phantom: SAM #1 CRP; Type: SAM; Serial: -
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

LTE - Right/Cheek - Middle - QPSK - 20MHz - 100% RB/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.277 mW/g

LTE - Right/Cheek - Middle - QPSK - 20MHz - 100% RB/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 5.392 V/m

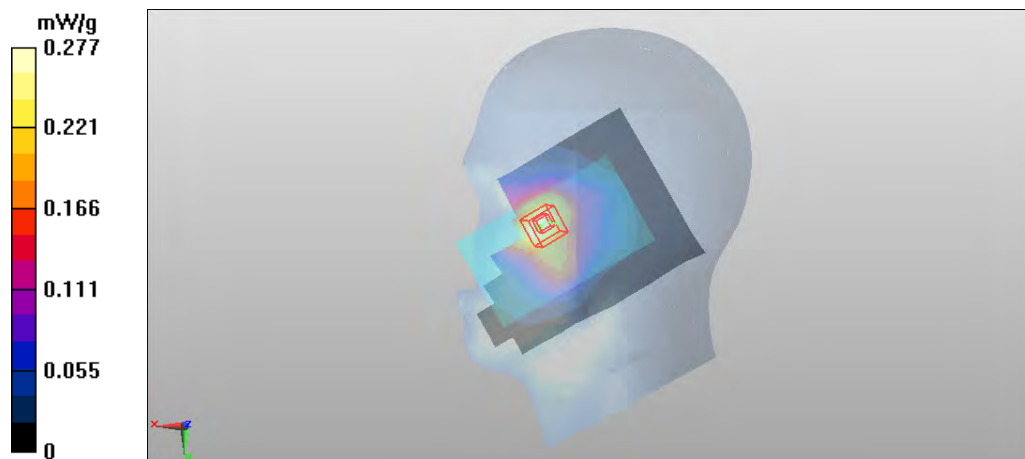
Peak SAR (extrapolated) = 0.379 mW/g

SAR(1 g) = 0.264 mW/g

SAR(10 g) = 0.174 mW/g

Power Drift = 0.42 dB

Maximum value of SAR (measured) = 0.281 mW/g



Date/Time: 2012-07-07 17:52:14

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE1700/2100

Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: HSL1800; Medium Notes: t= 20.8 C

Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.333 mho/m; ϵ_r = 39.04; ρ = 1000 kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: ES3DV3 - SN3165

- ConvF(5.51, 5.51, 5.51); Calibrated: 2012-02-21;

- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11

- Phantom: SAM #1 CRP; Type: SAM; Serial: -

- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

LTE - Right/Tilt - Middle - QPSK - 20MHz - 100% RB/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.215 mW/g

LTE - Right/Tilt - Middle - QPSK - 20MHz - 100% RB/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 9.872 V/m

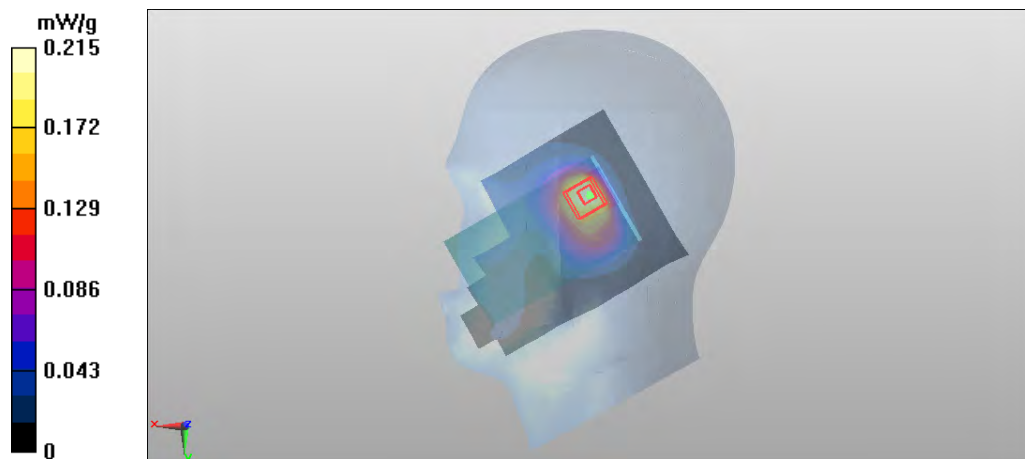
Peak SAR (extrapolated) = 0.277 mW/g

SAR(1 g) = 0.188 mW/g

SAR(10 g) = 0.121 mW/g

Power Drift = 0.24 dB

Maximum value of SAR (measured) = 0.201 mW/g



Date/Time: 2012-07-06 14:28:42

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE1700/2100

Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: HSL1800; Medium Notes: t= 20.8 C

Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.307 mho/m; ϵ_r = 39.274; ρ = 1000 kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3165
- ConvF(5.51, 5.51, 5.51); Calibrated: 2012-02-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11
- Phantom: SAM #1 CRP; Type: SAM; Serial: -
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

LTE - Left/Cheek - Middle - QPSK - 20MHz - 50RB - 50% offset/Area Scan (81x121x1): Measurement grid:

dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.532 mW/g

LTE - Left/Cheek - Middle - QPSK - 20MHz - 50RB - 50% offset/Zoom Scan (6x6x7)/Cube 0: Measurement grid:

dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 5.024 V/m

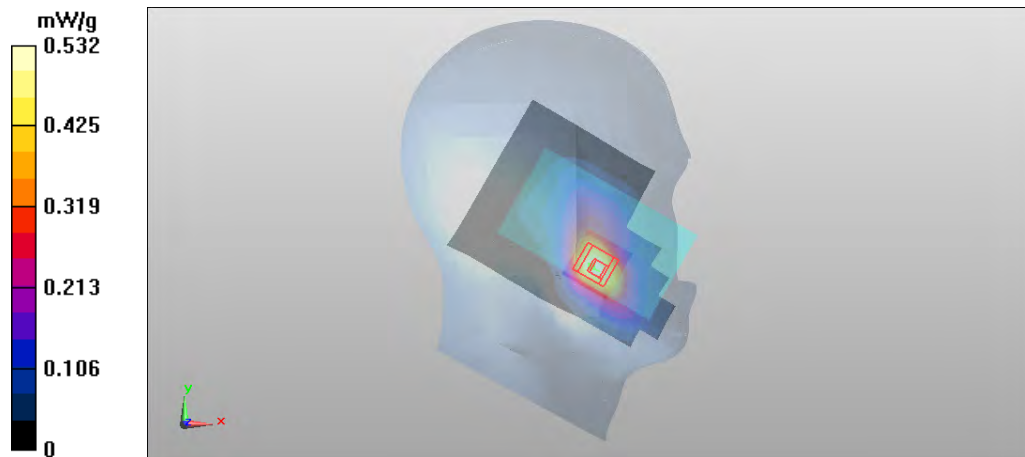
Peak SAR (extrapolated) = 0.714 mW/g

SAR(1 g) = 0.477 mW/g

SAR(10 g) = 0.303 mW/g

Power Drift = 0.29 dB

Maximum value of SAR (measured) = 0.518 mW/g



Date/Time: 2012-07-07 13:18:05

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE1700/2100

Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: HSL1800; Medium Notes: t= 20.8 C

Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.333 mho/m; ϵ_r = 39.04; ρ = 1000 kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3165
- ConvF(5.51, 5.51, 5.51); Calibrated: 2012-02-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11
- Phantom: SAM #1 CRP; Type: SAM; Serial: -
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

LTE - Left/Tilt - Middle - QPSK - 20MHz - 50RB - 50% offset/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.209 mW/g

LTE - Left/Tilt - Middle - QPSK - 20MHz - 50RB - 50% offset/Zoom Scan (6x6x7)/Cube 0: Measurement grid:

dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 9.185 V/m

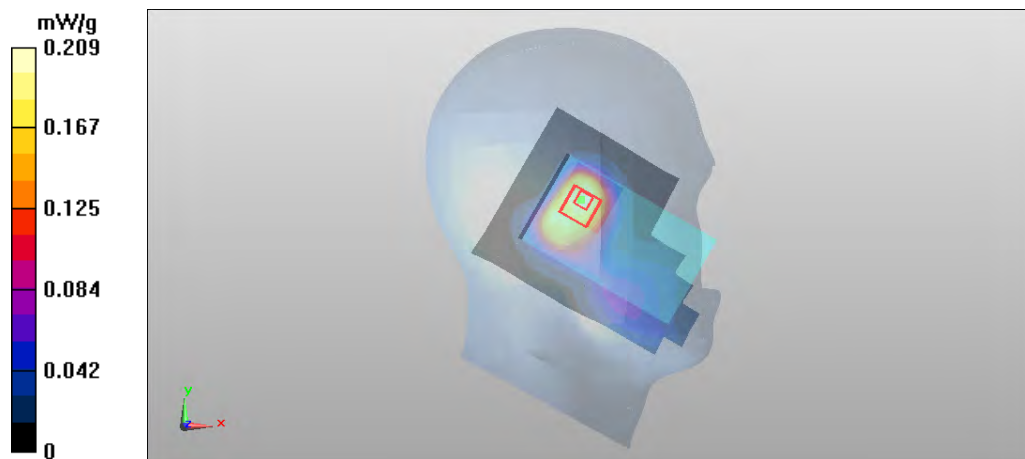
Peak SAR (extrapolated) = 0.262 mW/g

SAR(1 g) = 0.179 mW/g

SAR(10 g) = 0.120 mW/g

Power Drift = 0.16 dB

Maximum value of SAR (measured) = 0.191 mW/g



Date/Time: 2012-07-07 14:34:38

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE1700/2100

Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: HSL1800; Medium Notes: t= 20.8 C

Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.333 mho/m; ϵ_r = 39.04; ρ = 1000 kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: ES3DV3 - SN3165

- ConvF(5.51, 5.51, 5.51); Calibrated: 2012-02-21;

- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11

- Phantom: SAM #1 CRP; Type: SAM; Serial: -

- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

LTE - Right/Cheek - Middle - QPSK - 20MHz - 50% RB - 50% offset/Area Scan (81x121x1): Measurement grid:
dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.285 mW/g

LTE - Right/Cheek - Middle - QPSK - 20MHz - 50% RB - 50% offset/Zoom Scan (5x5x7)/Cube 0: Measurement grid:
dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 5.676 V/m

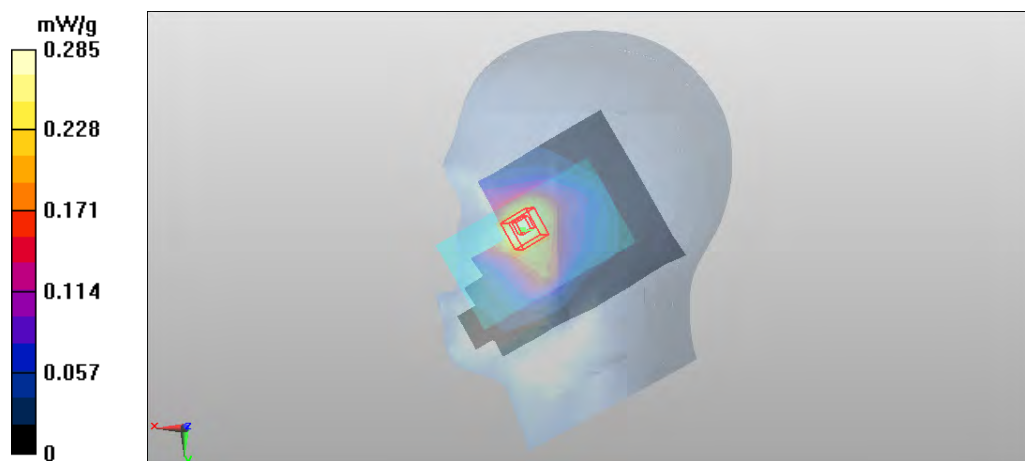
Peak SAR (extrapolated) = 0.379 mW/g

SAR(1 g) = 0.263 mW/g

SAR(10 g) = 0.175 mW/g

Power Drift = -0.06 dB

Maximum value of SAR (measured) = 0.274 mW/g



Date/Time: 2012-07-07 18:22:38

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE1700/2100

Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: HSL1800; Medium Notes: t= 20.8 C

Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.333 mho/m; ϵ_r = 39.04; ρ = 1000 kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: ES3DV3 - SN3165

- ConvF(5.51, 5.51, 5.51); Calibrated: 2012-02-21;

- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11

- Phantom: SAM #1 CRP; Type: SAM; Serial: -

- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

LTE - Right/Tilt - Middle - QPSK - 20MHz - 50% RB - 50% offset/Area Scan (81x121x1): Measurement grid:

dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.213 mW/g

LTE - Right/Tilt - Middle - QPSK - 20MHz - 50% RB - 50% offset/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 10.152 V/m

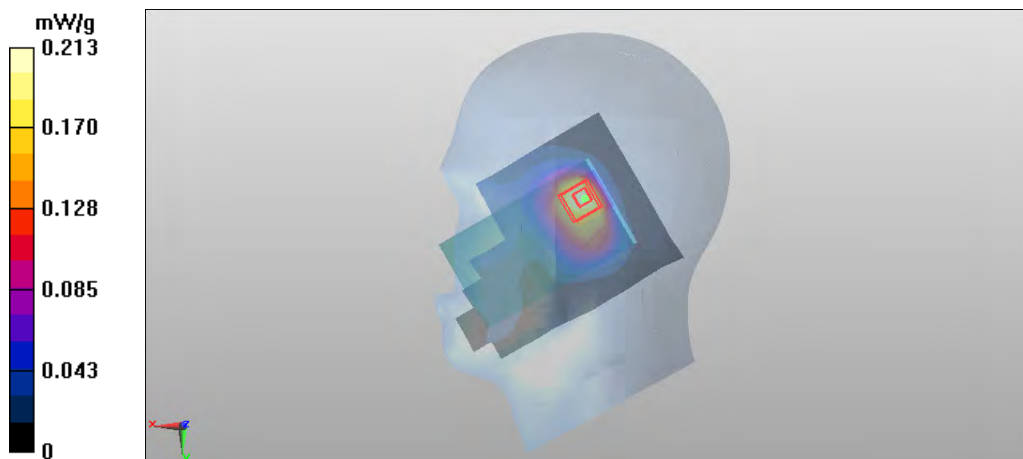
Peak SAR (extrapolated) = 0.283 mW/g

SAR(1 g) = 0.191 mW/g

SAR(10 g) = 0.121 mW/g

Power Drift = 0.06 dB

Maximum value of SAR (measured) = 0.206 mW/g



Date/Time: 2012-07-06 14:53:04

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE1700/2100

Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: HSL1800; Medium Notes: t= 20.8 C

Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.307 mho/m; ϵ_r = 39.274; ρ = 1000 kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3165
- ConvF(5.51, 5.51, 5.51); Calibrated: 2012-02-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11
- Phantom: SAM #1 CRP; Type: SAM; Serial: -
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

LTE - Left/Cheek - Middle - QPSK - 20MHz - 1RB - 50% offset/Area Scan (81x121x1): Measurement grid:

dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.653 mW/g

LTE - Left/Cheek - Middle - QPSK - 20MHz - 1RB - 50% offset/Zoom Scan (6x6x7)/Cube 0: Measurement grid:

dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 5.581 V/m

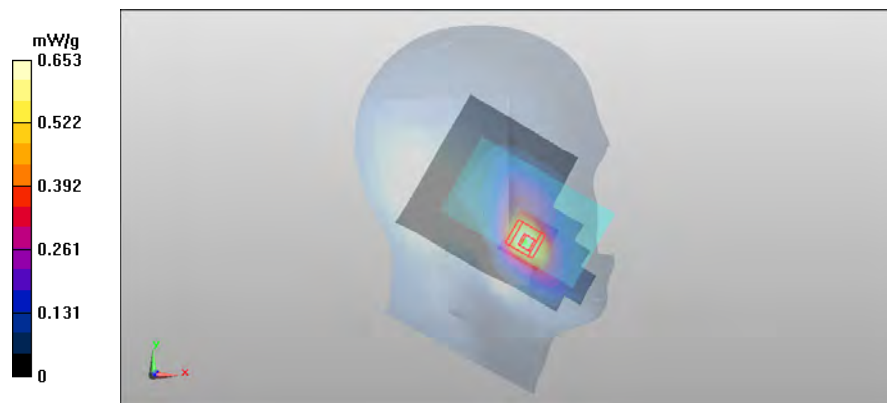
Peak SAR (extrapolated) = 0.854 mW/g

SAR(1 g) = 0.576 mW/g

SAR(10 g) = 0.367 mW/g

Power Drift = 0.22 dB

Maximum value of SAR (measured) = 0.619 mW/g



Date/Time: 2012-07-07 12:46:26

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE1700/2100

Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: HSL1800; Medium Notes: t= 20.8 C

Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.333 mho/m; ϵ_r = 39.04; ρ = 1000 kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3165
- ConvF(5.51, 5.51, 5.51); Calibrated: 2012-02-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11
- Phantom: SAM #1 CRP; Type: SAM; Serial: -
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

LTE - Left/Tilt - Middle - QPSK - 20MHz - 1RB - 50% offset/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.226 mW/g

LTE - Left/Tilt - Middle - QPSK - 20MHz - 1RB - 50% offset/Zoom Scan (6x6x7)/Cube 0: Measurement grid:

dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 10.048 V/m

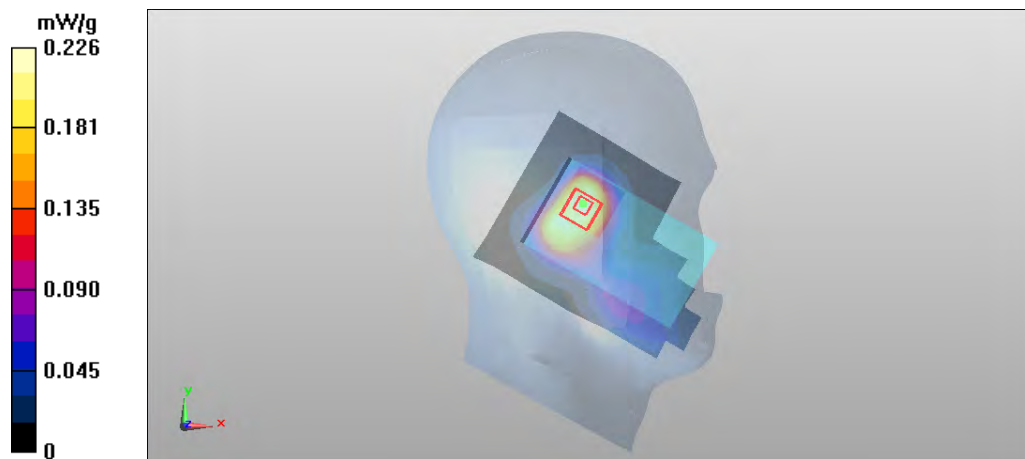
Peak SAR (extrapolated) = 0.286 mW/g

SAR(1 g) = 0.199 mW/g

SAR(10 g) = 0.135 mW/g

Power Drift = 0.10 dB

Maximum value of SAR (measured) = 0.212 mW/g



Date/Time: 2012-07-07 15:03:31

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE1700/2100

Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: HSL1800; Medium Notes: t= 20.8 C

Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.333 mho/m; ϵ_r = 39.04; ρ = 1000 kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: ES3DV3 - SN3165

- ConvF(5.51, 5.51, 5.51); Calibrated: 2012-02-21;

- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11

- Phantom: SAM #1 CRP; Type: SAM; Serial: -

- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

LTE - Right/Cheek - Middle - QPSK - 20MHz - 1RB - 50% offset/Area Scan (81x121x1): Measurement grid:

dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.334 mW/g

LTE - Right/Cheek - Middle - QPSK - 20MHz - 1RB - 50% offset/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 6.460 V/m

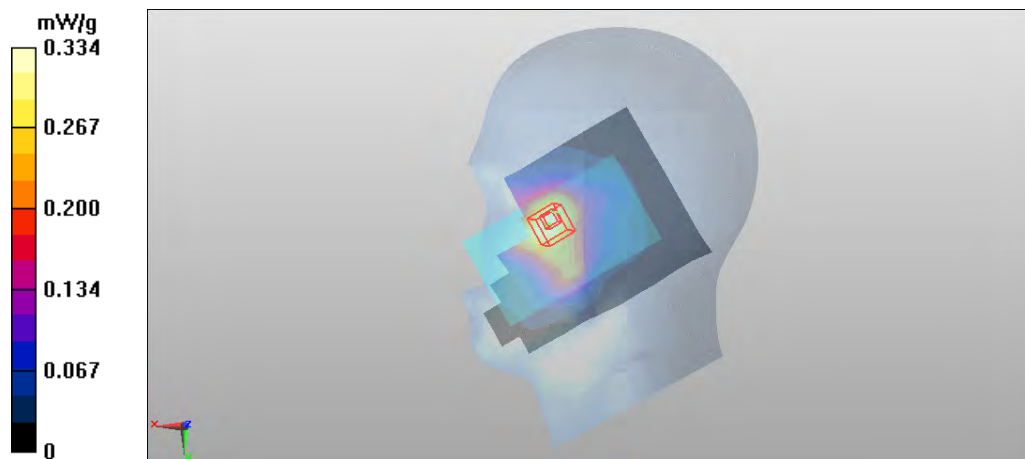
Peak SAR (extrapolated) = 0.443 mW/g

SAR(1 g) = 0.311 mW/g

SAR(10 g) = 0.207 mW/g

Power Drift = 0.09 dB

Maximum value of SAR (measured) = 0.327 mW/g



Date/Time: 2012-07-07 18:38:03

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE1700/2100

Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: HSL1800; Medium Notes: t= 20.8 C

Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.333 mho/m; ϵ_r = 39.04; ρ = 1000 kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: ES3DV3 - SN3165
- ConvF(5.51, 5.51, 5.51); Calibrated: 2012-02-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11
- Phantom: SAM #1 CRP; Type: SAM; Serial: -
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

LTE - Right/Tilt - Middle - QPSK - 20MHz - 1RB - 50% offset/Area Scan (81x121x1): Measurement grid:

dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.265 mW/g

LTE - Right/Tilt - Middle - QPSK - 20MHz - 1RB - 50% offset/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 11.200 V/m

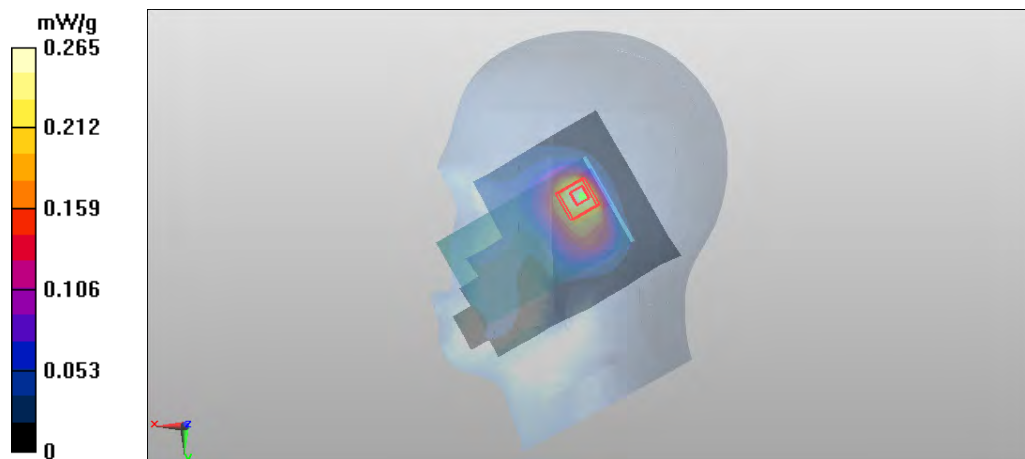
Peak SAR (extrapolated) = 0.340 mW/g

SAR(1 g) = 0.232 mW/g

SAR(10 g) = 0.148 mW/g

Power Drift = 0.11 dB

Maximum value of SAR (measured) = 0.249 mW/g



Date/Time: 2012-07-06 15:12:44

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE1700/2100

Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: HSL1800; Medium Notes: t= 20.8 C

Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.307 mho/m; ϵ_r = 39.274; ρ = 1000 kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3165

- ConvF(5.51, 5.51, 5.51); Calibrated: 2012-02-21;

- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11

- Phantom: SAM #1 CRP; Type: SAM; Serial: -

- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

LTE - Left/Cheek - Middle - QPSK - 20MHz - 1RB - 100% offset/Area Scan (81x121x1): Measurement grid:

dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.642 mW/g

LTE - Left/Cheek - Middle - QPSK - 20MHz - 1RB - 100% offset/Zoom Scan (6x6x7)/Cube 0: Measurement grid:

dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 5.569 V/m

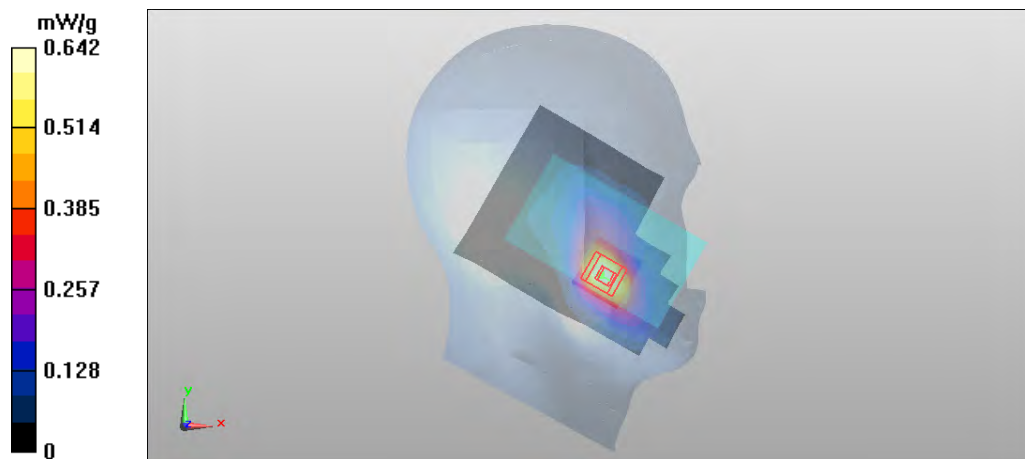
Peak SAR (extrapolated) = 0.838 mW/g

SAR(1 g) = 0.562 mW/g

SAR(10 g) = 0.356 mW/g

Power Drift = 0.16 dB

Maximum value of SAR (measured) = 0.606 mW/g



Date/Time: 2012-07-07 12:24:11

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE1700/2100

Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: HSL1800; Medium Notes: t= 20.8 C

Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.333 mho/m; ϵ_r = 39.04; ρ = 1000 kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3165
- ConvF(5.51, 5.51, 5.51); Calibrated: 2012-02-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11
- Phantom: SAM #1 CRP; Type: SAM; Serial: -
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

LTE - Left/Tilt - Middle - QPSK - 20MHz - 1RB - 100% offset/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.217 mW/g

LTE - Left/Tilt - Middle - QPSK - 20MHz - 1RB - 100% offset/Zoom Scan (6x6x7)/Cube 0: Measurement grid:

dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 10.199 V/m

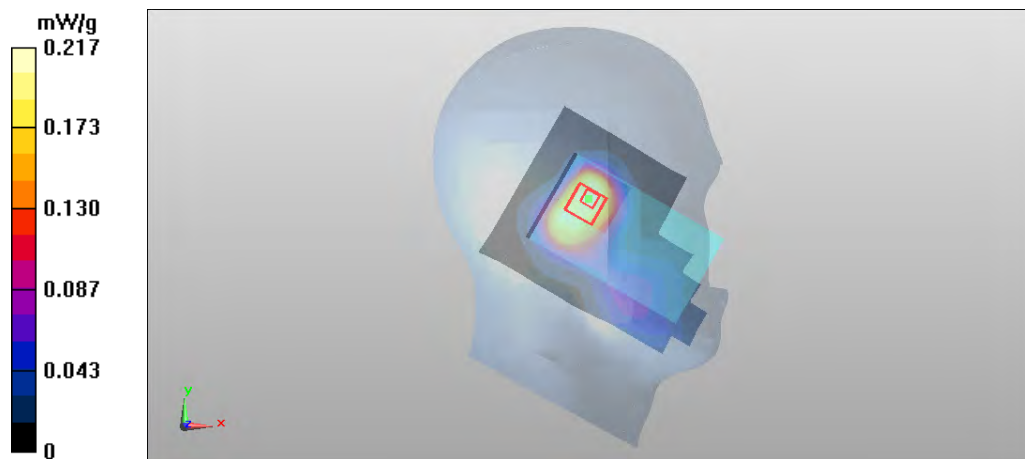
Peak SAR (extrapolated) = 0.275 mW/g

SAR(1 g) = 0.190 mW/g

SAR(10 g) = 0.128 mW/g

Power Drift = -0.13 dB

Maximum value of SAR (measured) = 0.204 mW/g



Date/Time: 2012-07-07 15:20:25

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE1700/2100

Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: HSL1800; Medium Notes: t= 20.8 C

Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.333 mho/m; ϵ_r = 39.04; ρ = 1000 kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: ES3DV3 - SN3165
- ConvF(5.51, 5.51, 5.51); Calibrated: 2012-02-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11
- Phantom: SAM #1 CRP; Type: SAM; Serial: -
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

LTE - Right/Cheek - Middle - QPSK - 20MHz - 1RB - 100% offset/Area Scan (81x121x1): Measurement grid:

dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.318 mW/g

LTE - Right/Cheek - Middle - QPSK - 20MHz - 1RB - 100% offset/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 6.167 V/m

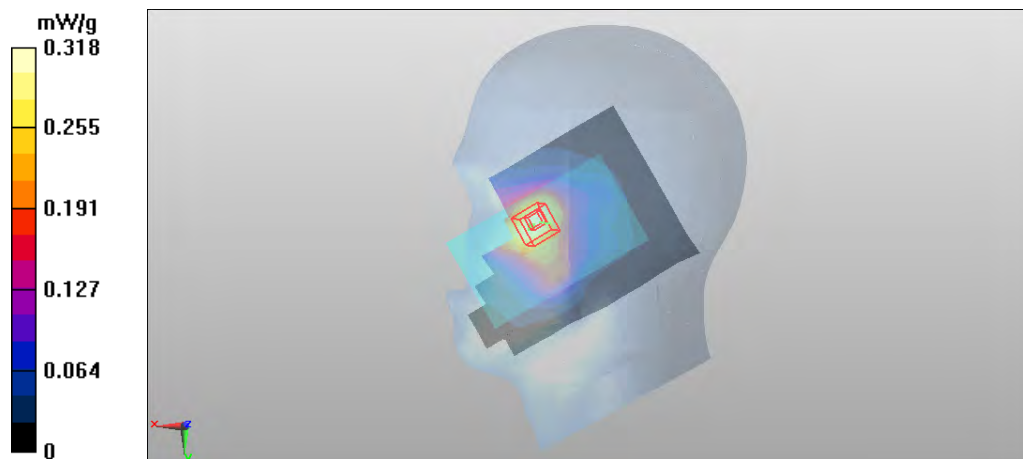
Peak SAR (extrapolated) = 0.434 mW/g

SAR(1 g) = 0.303 mW/g

SAR(10 g) = 0.199 mW/g

Power Drift = 0.08 dB

Maximum value of SAR (measured) = 0.319 mW/g



Date/Time: 2012-07-07 18:54:17

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE1700/2100

Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: HSL1800; Medium Notes: t= 20.8 C

Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.333 mho/m; ϵ_r = 39.04; ρ = 1000 kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: ES3DV3 - SN3165
- ConvF(5.51, 5.51, 5.51); Calibrated: 2012-02-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11
- Phantom: SAM #1 CRP; Type: SAM; Serial: -
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

LTE - Right/Tilt - Middle - QPSK - 20MHz - 1RB - 100% offset/Area Scan (81x121x1): Measurement grid:

dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.246 mW/g

LTE - Right/Tilt - Middle - QPSK - 20MHz - 1RB - 100% offset/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 10.949 V/m

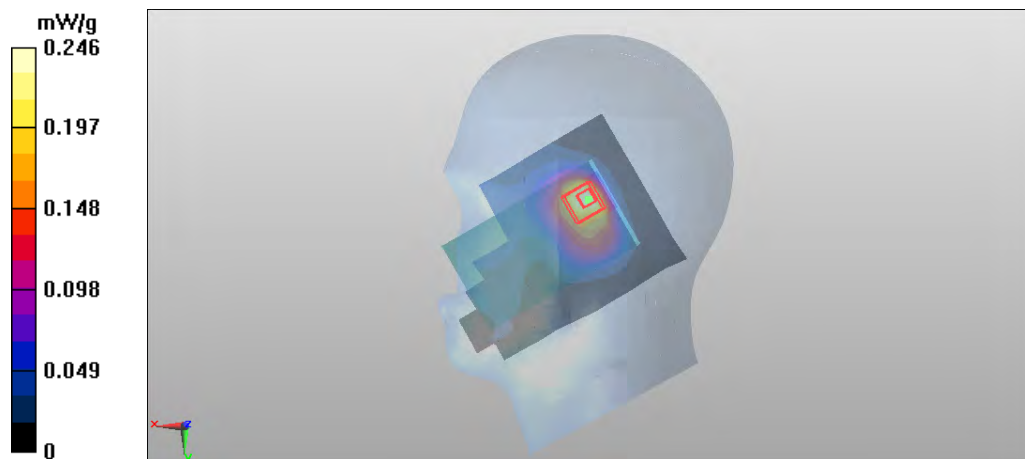
Peak SAR (extrapolated) = 0.322 mW/g

SAR(1 g) = 0.217 mW/g

SAR(10 g) = 0.137 mW/g

Power Drift = 0.04 dB

Maximum value of SAR (measured) = 0.234 mW/g



Date/Time: 2012-07-06 16:04:20

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE1700/2100

Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: HSL1800; Medium Notes: t= 20.8 C

Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.307 mho/m; ϵ_r = 39.274; ρ = 1000 kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3165
- ConvF(5.51, 5.51, 5.51); Calibrated: 2012-02-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11
- Phantom: SAM #1 CRP; Type: SAM; Serial: -
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

LTE - Left/Cheek - Middle - QPSK - 20MHz - 1RB - 0% offset/Area Scan (81x121x1): Measurement grid:

dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.624 mW/g

LTE - Left/Cheek - Middle - QPSK - 20MHz - 1RB - 0% offset/Zoom Scan (6x6x7)/Cube 0: Measurement grid:

dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 5.611 V/m

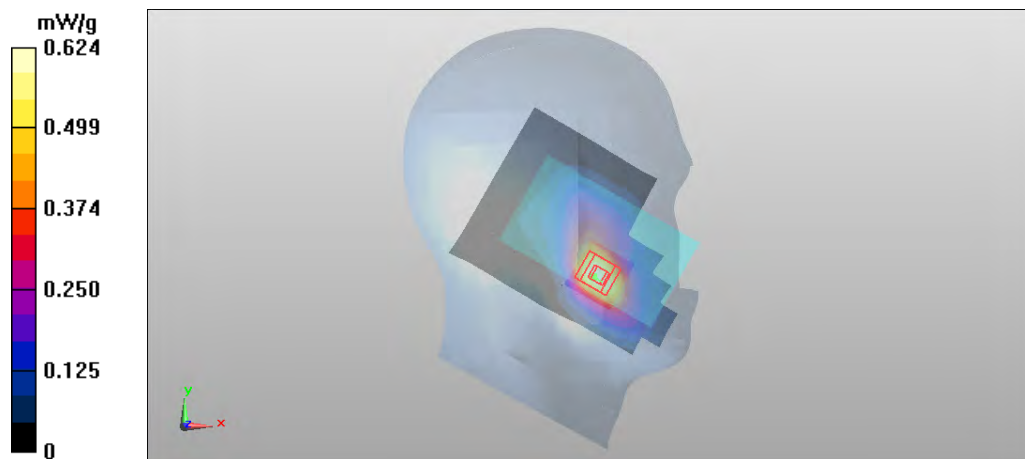
Peak SAR (extrapolated) = 0.812 mW/g

SAR(1 g) = 0.550 mW/g

SAR(10 g) = 0.354 mW/g

Power Drift = -0.02 dB

Maximum value of SAR (measured) = 0.587 mW/g



Date/Time: 2012-07-06 19:53:43

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE1700/2100

Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: HSL1800; Medium Notes: t= 20.8 C

Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.307 mho/m; ϵ_r = 39.274; ρ = 1000 kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3165
- ConvF(5.51, 5.51, 5.51); Calibrated: 2012-02-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11
- Phantom: SAM #1 CRP; Type: SAM; Serial: -
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

LTE - Left/Tilt - Middle - QPSK - 20MHz - 1RB - 0% offset/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.236 mW/g

LTE - Left/Tilt - Middle - QPSK - 20MHz - 1RB - 0% offset/Zoom Scan (6x6x7)/Cube 0: Measurement grid:

dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 9.876 V/m

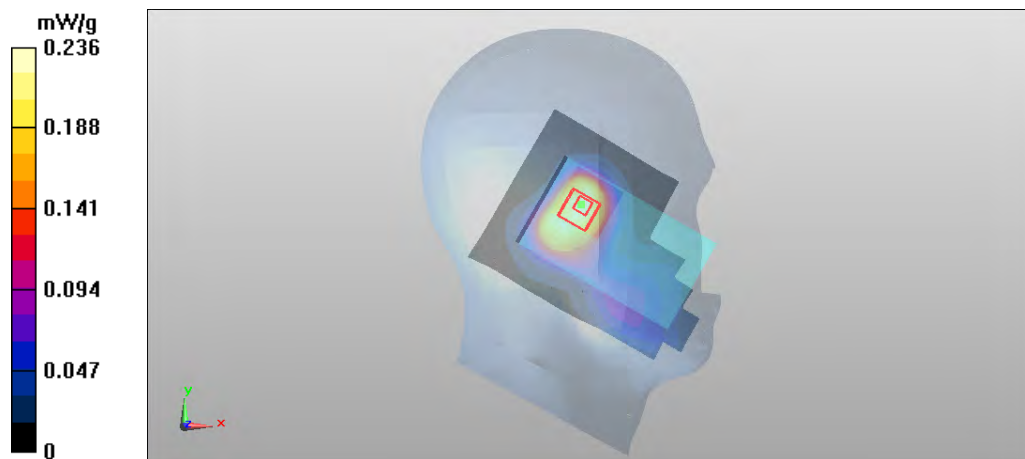
Peak SAR (extrapolated) = 0.294 mW/g

SAR(1 g) = 0.203 mW/g

SAR(10 g) = 0.138 mW/g

Power Drift = -0.01 dB

Maximum value of SAR (measured) = 0.217 mW/g



Date/Time: 2012-07-07 15:36:06

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE1700/2100

Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: HSL1800; Medium Notes: t= 20.8 C

Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.333 mho/m; ϵ_r = 39.04; ρ = 1000 kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: ES3DV3 - SN3165
- ConvF(5.51, 5.51, 5.51); Calibrated: 2012-02-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11
- Phantom: SAM #1 CRP; Type: SAM; Serial: -
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

LTE - Right/Cheek - Middle - QPSK - 20MHz - 1RB - 0% offset/Area Scan (81x121x1): Measurement grid:

dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.323 mW/g

LTE - Right/Cheek - Middle - QPSK - 20MHz - 1RB - 0% offset/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 6.256 V/m

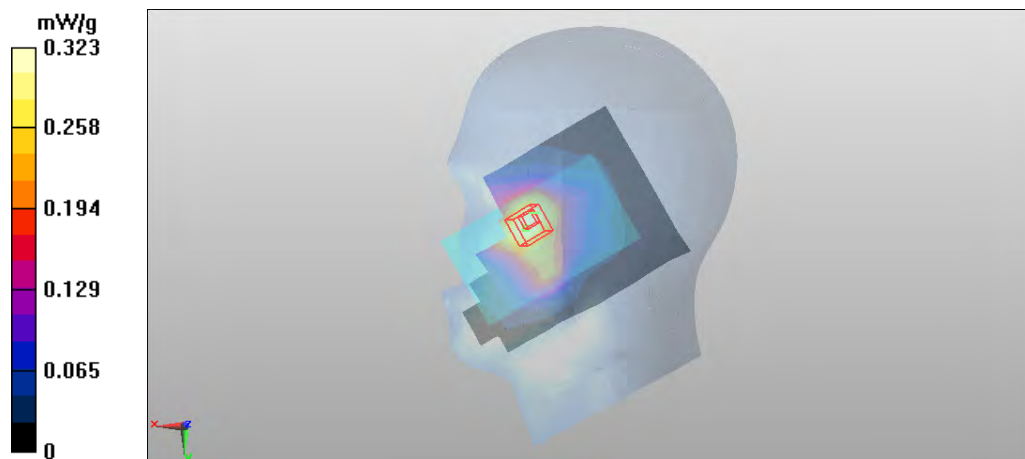
Peak SAR (extrapolated) = 0.438 mW/g

SAR(1 g) = 0.309 mW/g

SAR(10 g) = 0.204 mW/g

Power Drift = 0.13 dB

Maximum value of SAR (measured) = 0.325 mW/g



Date/Time: 2012-07-07 19:16:31

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE1700/2100

Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: HSL1800; Medium Notes: t= 20.8 C

Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.333 mho/m; ϵ_r = 39.04; ρ = 1000 kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: ES3DV3 - SN3165

- ConvF(5.51, 5.51, 5.51); Calibrated: 2012-02-21;

- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11

- Phantom: SAM #1 CRP; Type: SAM; Serial: -

- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

LTE - Right/Tilt - Middle - QPSK - 20MHz - 1RB - 0% offset/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.278 mW/g

LTE - Right/Tilt - Middle - QPSK - 20MHz - 1RB - 0% offset/Zoom Scan (6x6x7)/Cube 0: Measurement grid:

dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 11.552 V/m

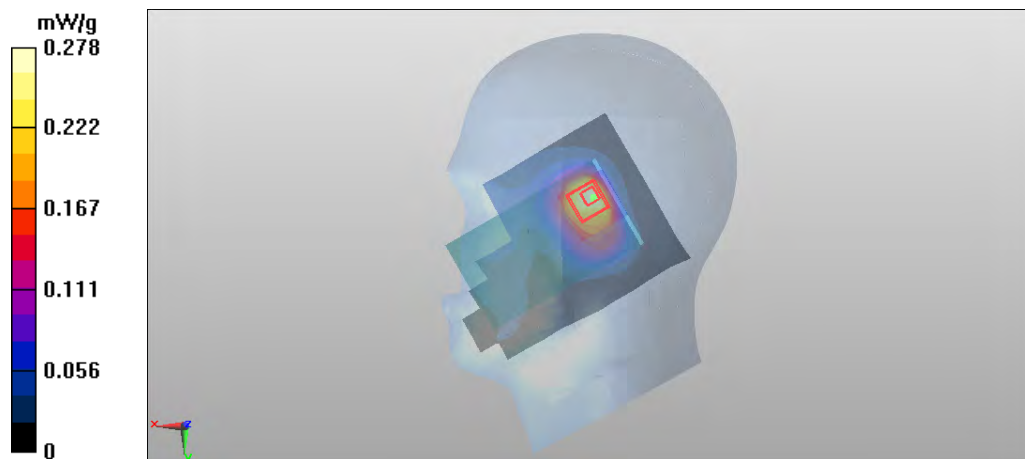
Peak SAR (extrapolated) = 0.360 mW/g

SAR(1 g) = 0.242 mW/g

SAR(10 g) = 0.154 mW/g

Power Drift = 0.10 dB

Maximum value of SAR (measured) = 0.259 mW/g



Date/Time: 2012-07-06 16:23:44

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE1700/2100

Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: HSL1800; Medium Notes: t= 20.8 C

Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.307 mho/m; ϵ_r = 39.274; ρ = 1000 kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3165
- ConvF(5.51, 5.51, 5.51); Calibrated: 2012-02-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11
- Phantom: SAM #1 CRP; Type: SAM; Serial: -
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

LTE - Left/Cheek - Middle - 16QAM - 20MHz - 100% RB/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.417 mW/g

LTE - Left/Cheek - Middle - 16QAM - 20MHz - 100% RB/Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 4.372 V/m

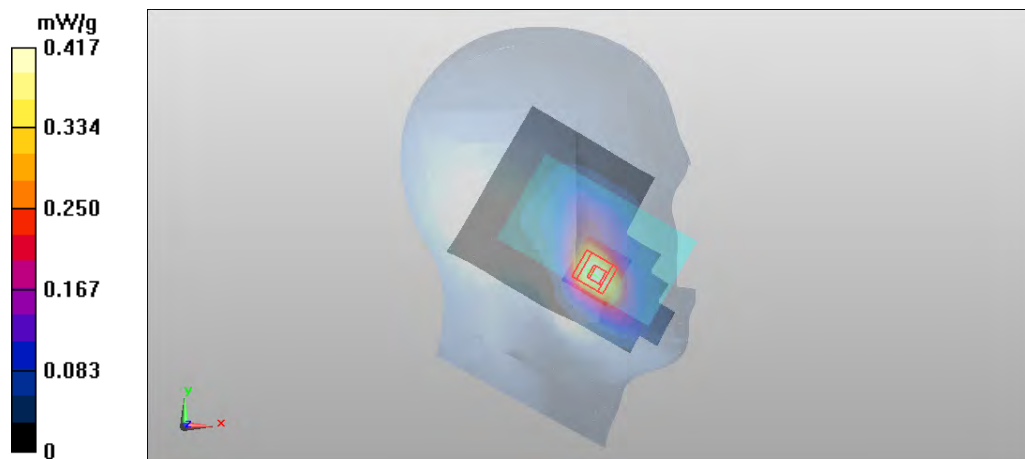
Peak SAR (extrapolated) = 0.547 mW/g

SAR(1 g) = 0.363 mW/g

SAR(10 g) = 0.231 mW/g

Power Drift = 0.34 dB

Maximum value of SAR (measured) = 0.398 mW/g



Date/Time: 2012-07-06 19:33:16

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE1700/2100

Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: HSL1800; Medium Notes: t= 20.8 C

Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.307 mho/m; ϵ_r = 39.274; ρ = 1000 kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3165
- ConvF(5.51, 5.51, 5.51); Calibrated: 2012-02-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11
- Phantom: SAM #1 CRP; Type: SAM; Serial: -
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

LTE - Left/Tilt - Middle - 16QAM - 20MHz – 100% RB/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.151 mW/g

LTE - Left/Tilt - Middle - 16QAM - 20MHz – 100% RB/Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 7.886 V/m

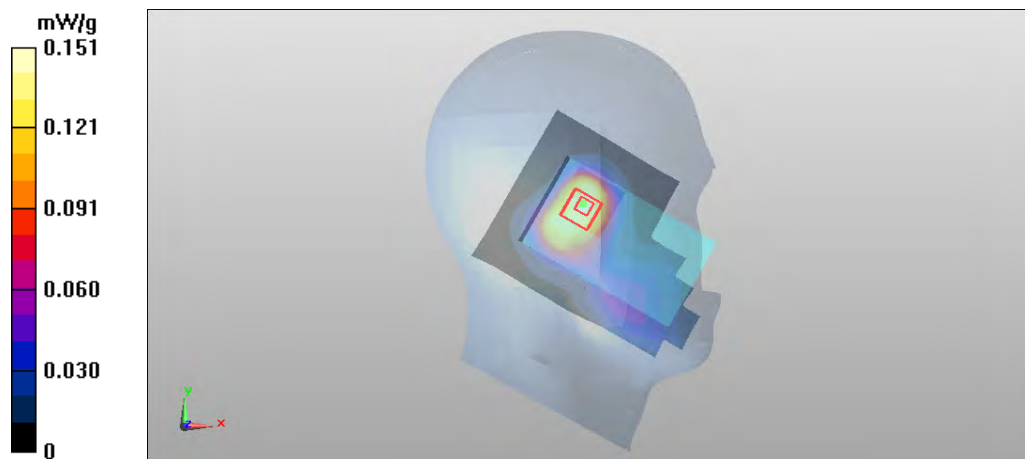
Peak SAR (extrapolated) = 0.189 mW/g

SAR(1 g) = 0.132 mW/g

SAR(10 g) = 0.089 mW/g

Power Drift = 0.29 dB

Maximum value of SAR (measured) = 0.141 mW/g



Date/Time: 2012-07-07 15:51:53

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE1700/2100

Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: HSL1800; Medium Notes: t= 20.8 C

Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.333 mho/m; ϵ_r = 39.04; ρ = 1000 kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: ES3DV3 - SN3165
- ConvF(5.51, 5.51, 5.51); Calibrated: 2012-02-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11
- Phantom: SAM #1 CRP; Type: SAM; Serial: -
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

LTE - Right/Cheek - Middle - 16QAM - 20MHz - 100% RB/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.219 mW/g

LTE - Right/Cheek - Middle - 16QAM - 20MHz - 100% RB/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 5.082 V/m

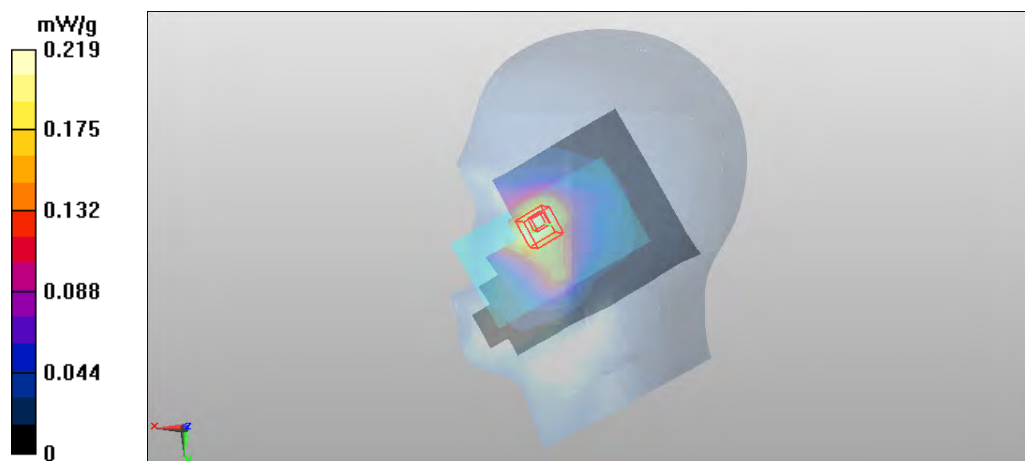
Peak SAR (extrapolated) = 0.294 mW/g

SAR(1 g) = 0.207 mW/g

SAR(10 g) = 0.137 mW/g

Power Drift = 0.12 dB

Maximum value of SAR (measured) = 0.217 mW/g



Date/Time: 2012-07-07 19:39:41

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE1700/2100

Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: HSL1800; Medium Notes: t= 20.8 C

Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.333 mho/m; ϵ_r = 39.04; ρ = 1000 kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: ES3DV3 - SN3165

- ConvF(5.51, 5.51, 5.51); Calibrated: 2012-02-21;

- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11

- Phantom: SAM #1 CRP; Type: SAM; Serial: -

- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

LTE - Right/Tilt - Middle - 16QAM - 20MHz - 100% RB/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.179 mW/g

LTE - Right/Tilt - Middle - 16QAM - 20MHz - 100% RB/Zoom Scan (6x6x7)/Cube 0: Measurement grid:

dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 9.426 V/m

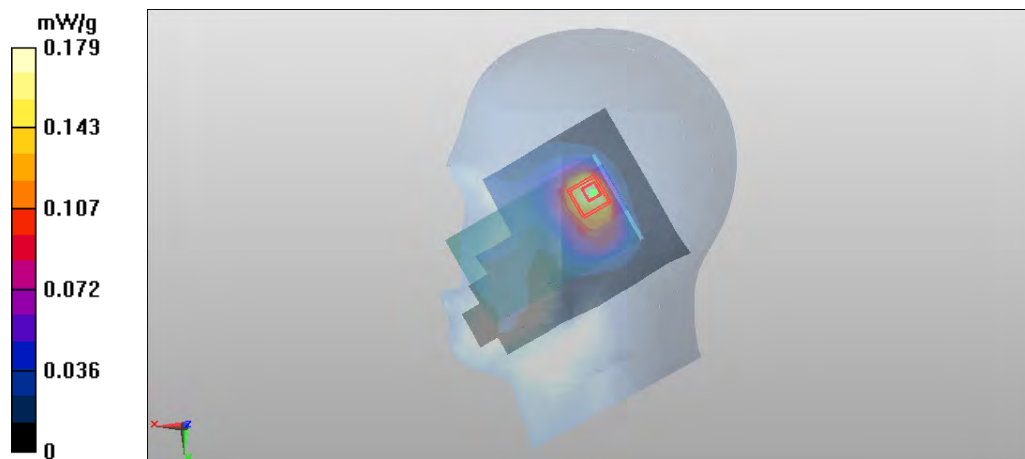
Peak SAR (extrapolated) = 0.235 mW/g

SAR(1 g) = 0.153 mW/g

SAR(10 g) = 0.097 mW/g

Power Drift = 0.01 dB

Maximum value of SAR (measured) = 0.164 mW/g



Date/Time: 2012-07-06 16:43:32

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE1700/2100

Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: HSL1800; Medium Notes: t= 20.8 C

Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.307 mho/m; ϵ_r = 39.274; ρ = 1000 kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3165

- ConvF(5.51, 5.51, 5.51); Calibrated: 2012-02-21;

- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11

- Phantom: SAM #1 CRP; Type: SAM; Serial: -

- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

LTE - Left/Cheek - Middle - 16QAM - 20MHz - 50RB - 50% offset/Area Scan (81x121x1): Measurement grid:

dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.416 mW/g

LTE - Left/Cheek - Middle - 16QAM - 20MHz - 50RB - 50% offset/Zoom Scan (6x6x7)/Cube 0: Measurement grid:

dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 4.393 V/m

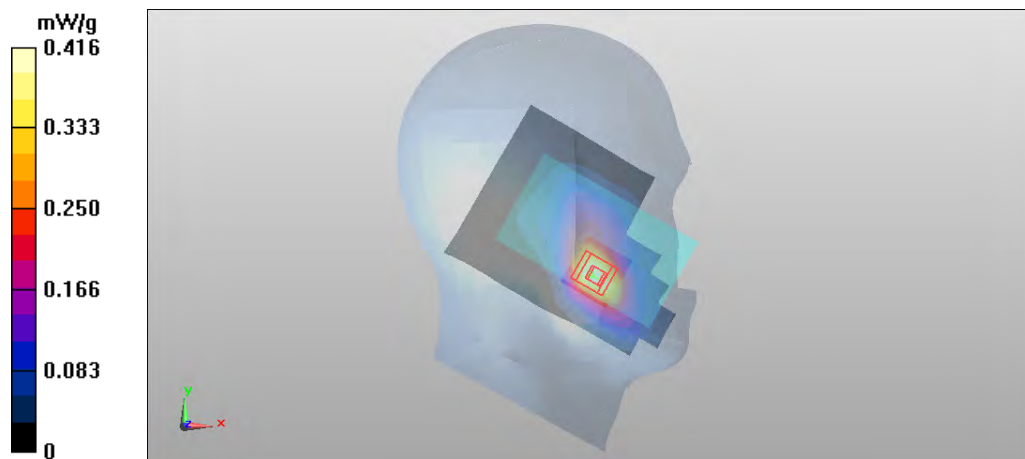
Peak SAR (extrapolated) = 0.544 mW/g

SAR(1 g) = 0.365 mW/g

SAR(10 g) = 0.233 mW/g

Power Drift = 0.34 dB

Maximum value of SAR (measured) = 0.396 mW/g



Date/Time: 2012-07-06 19:14:42

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE1700/2100

Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: HSL1800; Medium Notes: t= 20.8 C

Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.307 mho/m; ϵ_r = 39.274; ρ = 1000 kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3165
- ConvF(5.51, 5.51, 5.51); Calibrated: 2012-02-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11
- Phantom: SAM #1 CRP; Type: SAM; Serial: -
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

LTE - Left/Tilt - Middle - 16QAM - 20MHz - 50RB - 50% offset/Area Scan (81x121x1): Measurement grid:

dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.149 mW/g

LTE - Left/Tilt - Middle - 16QAM - 20MHz - 50RB - 50% offset/Zoom Scan (6x6x7)/Cube 0: Measurement grid:

dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 7.873 V/m

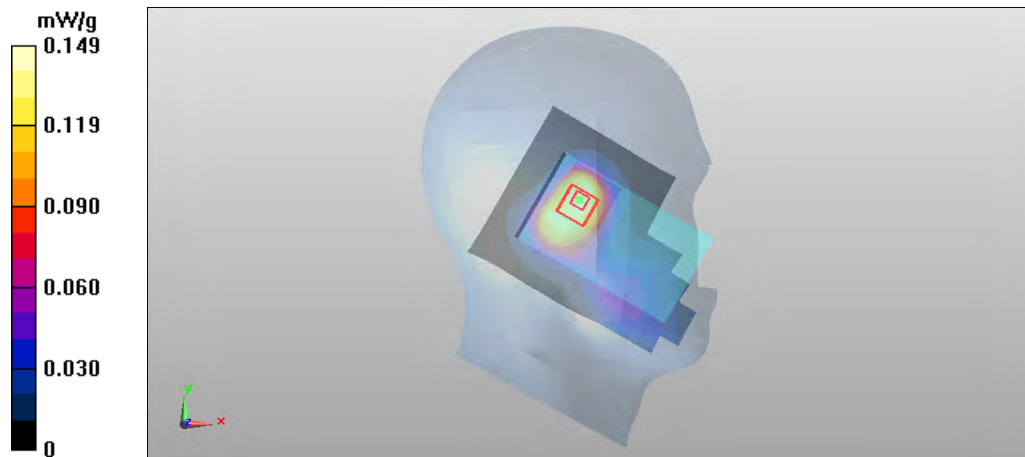
Peak SAR (extrapolated) = 0.190 mW/g

SAR(1 g) = 0.131 mW/g

SAR(10 g) = 0.089 mW/g

Power Drift = 0.16 dB

Maximum value of SAR (measured) = 0.140 mW/g



Date/Time: 2012-07-07 16:15:58

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE1700/2100

Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: HSL1800; Medium Notes: t= 20.8 C

Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.333 mho/m; ϵ_r = 39.04; ρ = 1000 kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: ES3DV3 - SN3165

- ConvF(5.51, 5.51, 5.51); Calibrated: 2012-02-21;

- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11

- Phantom: SAM #1 CRP; Type: SAM; Serial: -

- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

LTE - Right/Cheek - Middle - 16QAM - 20MHz - 50% RB - 50% offset/Area Scan (81x121x1): Measurement grid:
dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.235 mW/g

LTE - Right/Cheek - Middle - 16QAM - 20MHz - 50% RB - 50% offset/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 4.795 V/m

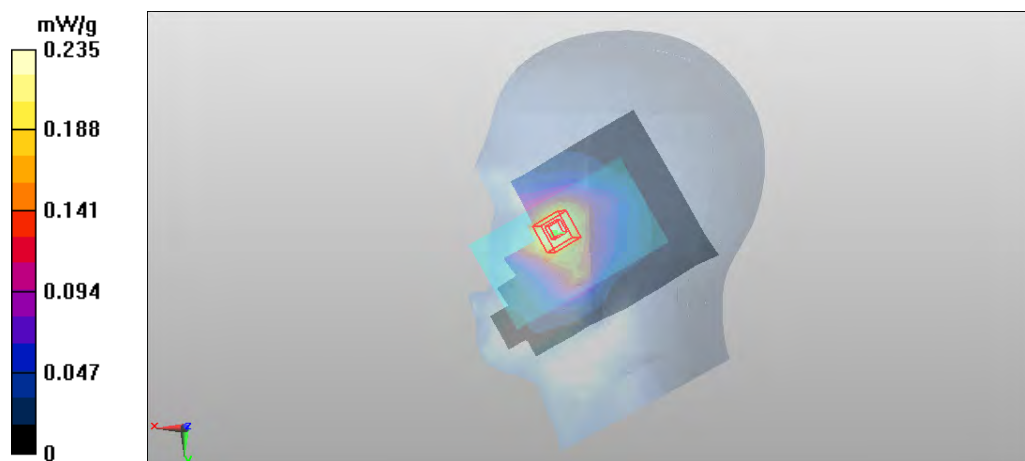
Peak SAR (extrapolated) = 0.311 mW/g

SAR(1 g) = 0.218 mW/g

SAR(10 g) = 0.144 mW/g

Power Drift = 0.21 dB

Maximum value of SAR (measured) = 0.231 mW/g



Date/Time: 2012-07-07 19:58:44

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE1700/2100

Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: HSL1800; Medium Notes: t= 20.8 C

Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.333 mho/m; ϵ_r = 39.04; ρ = 1000 kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: ES3DV3 - SN3165

- ConvF(5.51, 5.51, 5.51); Calibrated: 2012-02-21;

- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11

- Phantom: SAM #1 CRP; Type: SAM; Serial: -

- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

LTE - Right/Tilt - Middle - 16QAM - 20MHz - 50% RB - 50% offset/Area Scan (81x121x1): Measurement grid:

dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.180 mW/g

LTE - Right/Tilt - Middle - 16QAM - 20MHz - 50% RB - 50% offset/Zoom Scan (6x6x7)/Cube 0: Measurement grid:

dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 9.572 V/m

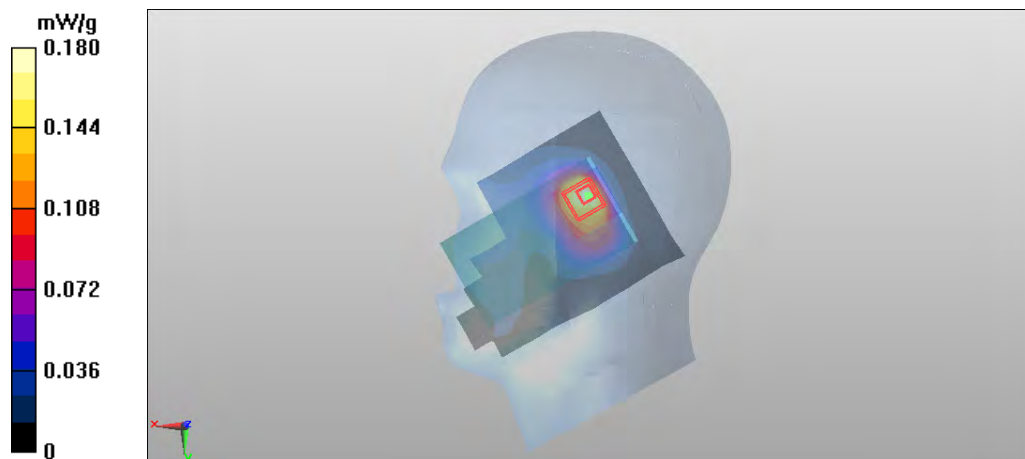
Peak SAR (extrapolated) = 0.232 mW/g

SAR(1 g) = 0.154 mW/g

SAR(10 g) = 0.098 mW/g

Power Drift = 0.10 dB

Maximum value of SAR (measured) = 0.165 mW/g



Date/Time: 2012-07-06 17:02:19

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE1700/2100

Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: HSL1800; Medium Notes: t= 20.8 C

Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.307 mho/m; ϵ_r = 39.274; ρ = 1000 kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3165
- ConvF(5.51, 5.51, 5.51); Calibrated: 2012-02-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11
- Phantom: SAM #1 CRP; Type: SAM; Serial: -
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

LTE - Left/Cheek - Middle - 16QAM - 20MHz - 1RB - 50% offset/Area Scan (81x121x1): Measurement grid:

dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.502 mW/g

LTE - Left/Cheek - Middle - 16QAM - 20MHz - 1RB - 50% offset/Zoom Scan (6x6x7)/Cube 0: Measurement grid:

dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 4.974 V/m

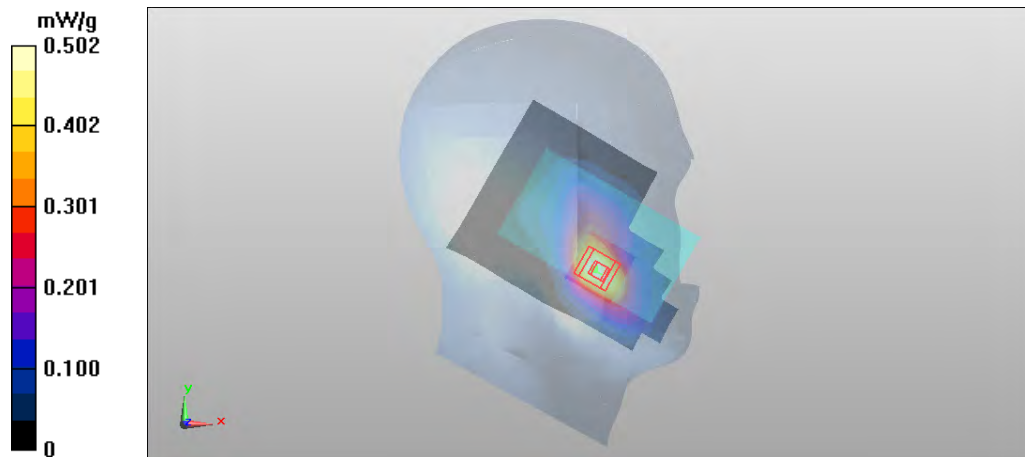
Peak SAR (extrapolated) = 0.697 mW/g

SAR(1 g) = 0.467 mW/g

SAR(10 g) = 0.299 mW/g

Power Drift = 0.17 dB

Maximum value of SAR (measured) = 0.510 mW/g



Date/Time: 2012-07-06 18:55:51

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE1700/2100

Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: HSL1800; Medium Notes: t= 20.8 C

Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.307 mho/m; ϵ_r = 39.274; ρ = 1000 kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3165
- ConvF(5.51, 5.51, 5.51); Calibrated: 2012-02-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11
- Phantom: SAM #1 CRP; Type: SAM; Serial: -
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

LTE - Left/Tilt - Middle - 16QAM - 20MHz - 1RB - 50% offset/Area Scan (81x121x1): Measurement grid:

dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.181 mW/g

LTE - Left/Tilt - Middle - 16QAM - 20MHz - 1RB - 50% offset/Zoom Scan (6x6x7)/Cube 0: Measurement grid:

dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 8.749 V/m

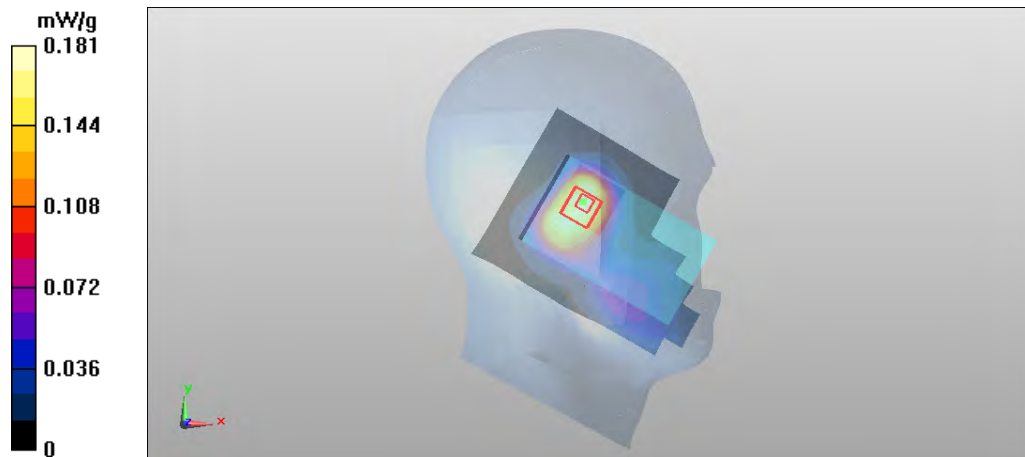
Peak SAR (extrapolated) = 0.231 mW/g

SAR(1 g) = 0.160 mW/g

SAR(10 g) = 0.108 mW/g

Power Drift = 0.02 dB

Maximum value of SAR (measured) = 0.171 mW/g



Date/Time: 2012-07-07 16:31:35

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE1700/2100

Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: HSL1800; Medium Notes: t= 20.8 C

Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.333 mho/m; ϵ_r = 39.04; ρ = 1000 kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: ES3DV3 - SN3165

- ConvF(5.51, 5.51, 5.51); Calibrated: 2012-02-21;

- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11

- Phantom: SAM #1 CRP; Type: SAM; Serial: -

- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

LTE - Right/Cheek - Middle - 16QAM - 20MHz - 1RB - 50% offset/Area Scan (81x121x1): Measurement grid:

dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.280 mW/g

LTE - Right/Cheek - Middle - 16QAM - 20MHz - 1RB - 50% offset/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 5.241 V/m

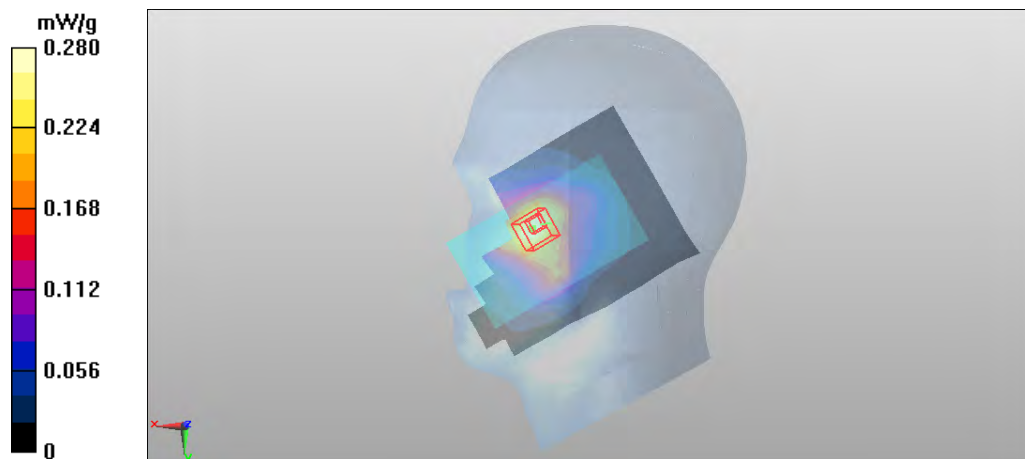
Peak SAR (extrapolated) = 0.390 mW/g

SAR(1 g) = 0.254 mW/g

SAR(10 g) = 0.168 mW/g

Power Drift = 0.08 dB

Maximum value of SAR (measured) = 0.269 mW/g



Date/Time: 2012-07-07 20:17:44

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE1700/2100

Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: HSL1800; Medium Notes: t= 20.8 C

Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.333 mho/m; ϵ_r = 39.04; ρ = 1000 kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: ES3DV3 - SN3165
- ConvF(5.51, 5.51, 5.51); Calibrated: 2012-02-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11
- Phantom: SAM #1 CRP; Type: SAM; Serial: -
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

LTE - Right/Tilt - Middle - 16QAM - 20MHz - 1 RB - 50% offset/Area Scan (81x121x1): Measurement grid:

dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.215 mW/g

LTE - Right/Tilt - Middle - 16QAM - 20MHz - 1 RB - 50% offset/Zoom Scan (6x6x7)/Cube 0: Measurement grid:

dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 10.487 V/m

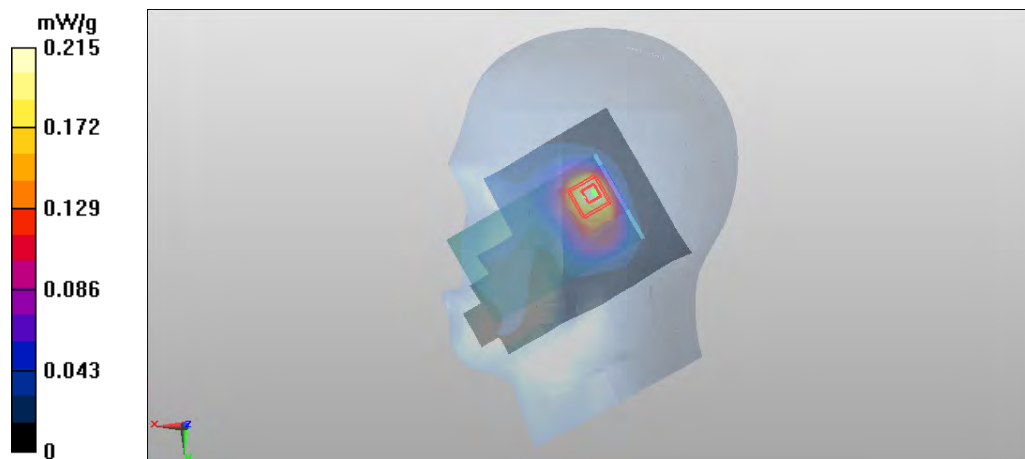
Peak SAR (extrapolated) = 0.244 mW/g

SAR(1 g) = 0.176 mW/g

SAR(10 g) = 0.115 mW/g

Power Drift = 0.08 dB

Maximum value of SAR (measured) = 0.185 mW/g



Date/Time: 2012-07-06 17:31:07

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE1700/2100

Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: HSL1800; Medium Notes: t= 20.8 C

Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.307 mho/m; ϵ_r = 39.274; ρ = 1000 kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3165

- ConvF(5.51, 5.51, 5.51); Calibrated: 2012-02-21;

- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11

- Phantom: SAM #1 CRP; Type: SAM; Serial: -

- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

LTE - Left/Cheek - Middle - 16QAM - 20MHz - 1RB -100% offset/Area Scan (81x121x1): Measurement grid:

dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.505 mW/g

LTE - Left/Cheek - Middle - 16QAM - 20MHz - 1RB -100% offset/Zoom Scan (6x6x7)/Cube 0: Measurement grid:

dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 4.695 V/m

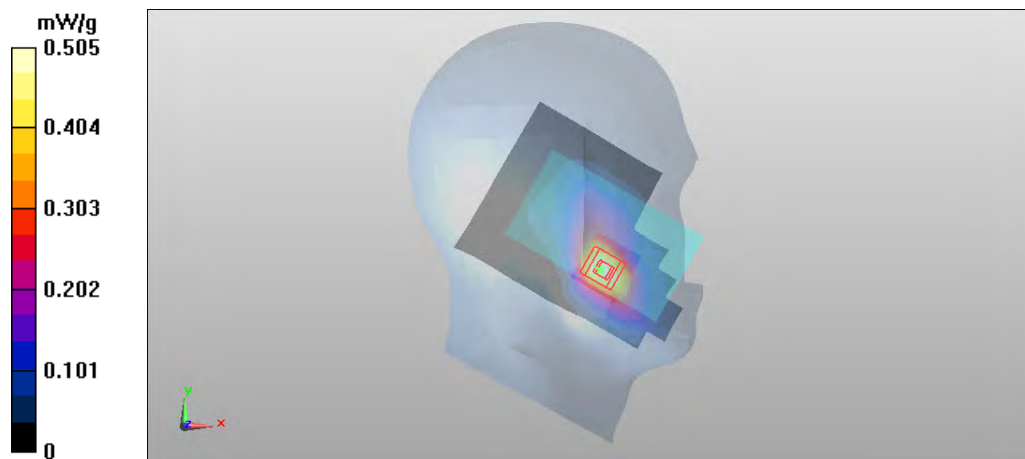
Peak SAR (extrapolated) = 0.655 mW/g

SAR(1 g) = 0.448 mW/g

SAR(10 g) = 0.285 mW/g

Power Drift = 0.27 dB

Maximum value of SAR (measured) = 0.486 mW/g



Date/Time: 2012-07-06 18:27:44

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE1700/2100

Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: HSL1800; Medium Notes: t= 20.8 C

Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.307 mho/m; ϵ_r = 39.274; ρ = 1000 kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3165
- ConvF(5.51, 5.51, 5.51); Calibrated: 2012-02-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11
- Phantom: SAM #1 CRP; Type: SAM; Serial: -
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

LTE - Left/Tilt - Middle - 16QAM - 20MHz - 1RB - 100% offset/Area Scan (81x121x1): Measurement grid:

dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.185 mW/g

LTE - Left/Tilt - Middle - 16QAM - 20MHz - 1RB - 100% offset/Zoom Scan (6x6x7)/Cube 0: Measurement grid:

dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 7.871 V/m

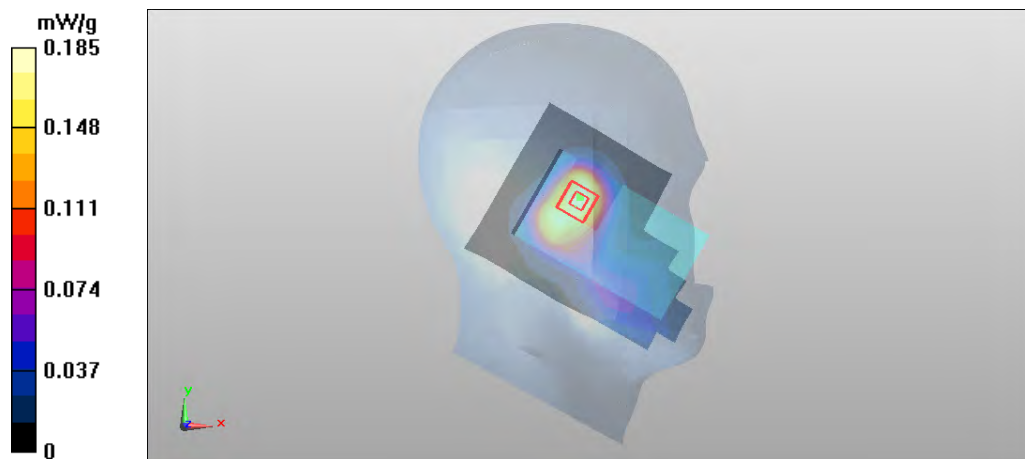
Peak SAR (extrapolated) = 0.237 mW/g

SAR(1 g) = 0.163 mW/g

SAR(10 g) = 0.109 mW/g

Power Drift = 0.07 dB

Maximum value of SAR (measured) = 0.175 mW/g



Date/Time: 2012-07-07 16:47:18

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE1700/2100

Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: HSL1800; Medium Notes: t= 20.8 C

Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.333 mho/m; ϵ_r = 39.04; ρ = 1000 kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: ES3DV3 - SN3165

- ConvF(5.51, 5.51, 5.51); Calibrated: 2012-02-21;

- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11

- Phantom: SAM #1 CRP; Type: SAM; Serial: -

- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

LTE - Right/Cheek - Middle - 16QAM - 20MHz - 1RB - 100% offset/Area Scan (81x121x1): Measurement grid:

dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.262 mW/g

LTE - Right/Cheek - Middle - 16QAM - 20MHz - 1RB - 100% offset/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 4.991 V/m

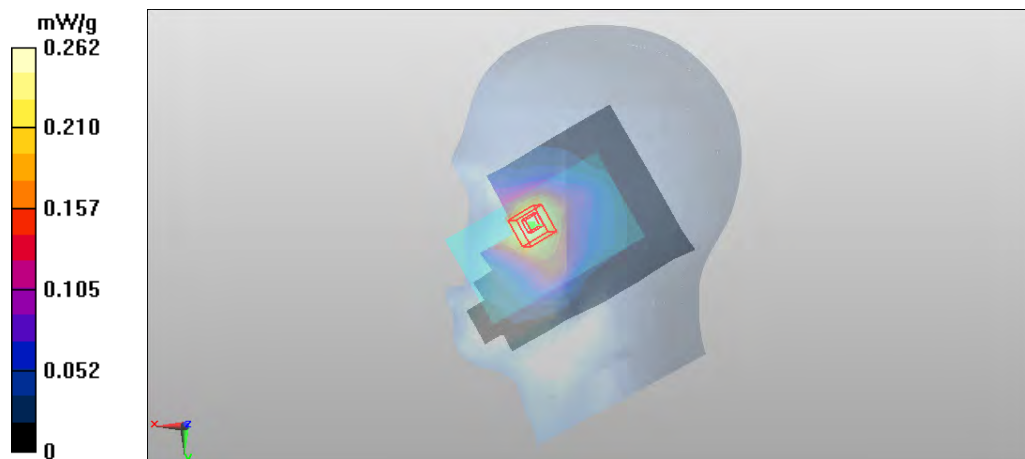
Peak SAR (extrapolated) = 0.389 mW/g

SAR(1 g) = 0.251 mW/g

SAR(10 g) = 0.163 mW/g

Power Drift = 0.20 dB

Maximum value of SAR (measured) = 0.264 mW/g



Date/Time: 2012-07-07 20:43:15

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE1700/2100

Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: HSL1800; Medium Notes: t= 20.8 C

Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.333 mho/m; ϵ_r = 39.04; ρ = 1000 kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: ES3DV3 - SN3165

- ConvF(5.51, 5.51, 5.51); Calibrated: 2012-02-21;

- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11

- Phantom: SAM #1 CRP; Type: SAM; Serial: -

- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

LTE - Right/Tilt - Middle - 16QAM - 20MHz - 1% RB - 100% offset/Area Scan (81x121x1): Measurement grid:

dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.196 mW/g

LTE - Right/Tilt - Middle - 16QAM - 20MHz - 1% RB - 100% offset/Zoom Scan (6x6x7)/Cube 0: Measurement grid:

dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 10.303 V/m

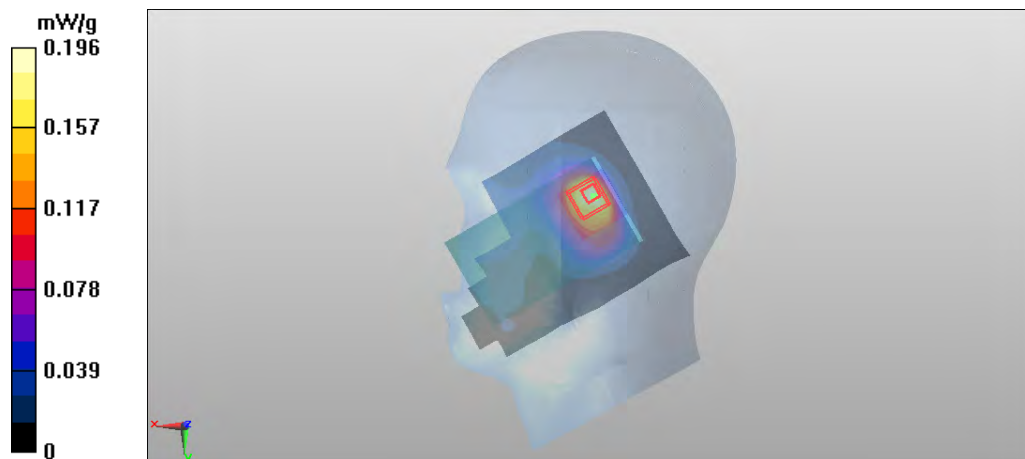
Peak SAR (extrapolated) = 0.260 mW/g

SAR(1 g) = 0.171 mW/g

SAR(10 g) = 0.107 mW/g

Power Drift = -0.10 dB

Maximum value of SAR (measured) = 0.182 mW/g



Date/Time: 2012-07-06 17:49:31

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE1700/2100

Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: HSL1800; Medium Notes: t= 20.8 C

Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.307 mho/m; ϵ_r = 39.274; ρ = 1000 kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3165

- ConvF(5.51, 5.51, 5.51); Calibrated: 2012-02-21;

- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11

- Phantom: SAM #1 CRP; Type: SAM; Serial: -

- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

LTE - Left/Cheek - Middle - 16QAM - 20MHz - 1RB - 0% offset/Area Scan (81x121x1): Measurement grid:

dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.510 mW/g

LTE - Left/Cheek - Middle - 16QAM - 20MHz - 1RB - 0% offset/Zoom Scan (6x6x7)/Cube 0: Measurement grid:

dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 4.658 V/m

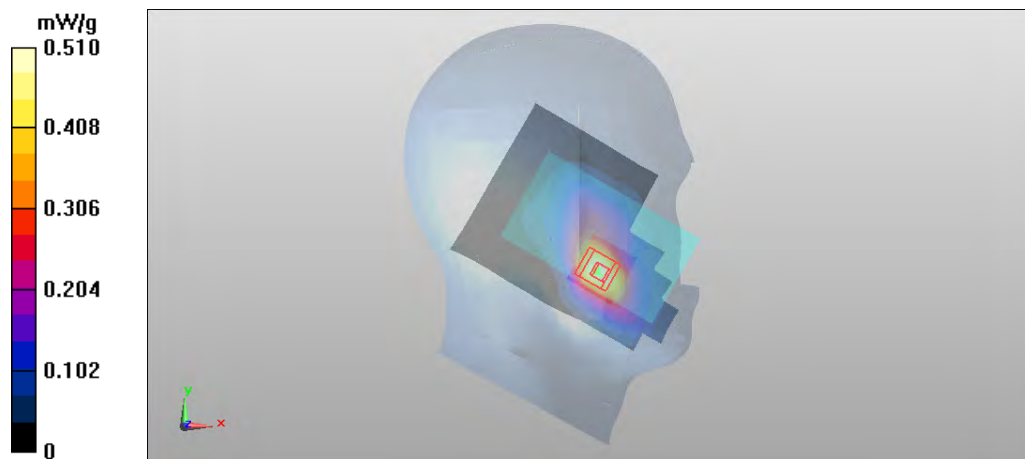
Peak SAR (extrapolated) = 0.651 mW/g

SAR(1 g) = 0.448 mW/g

SAR(10 g) = 0.290 mW/g

Power Drift = 0.42 dB

Maximum value of SAR (measured) = 0.500 mW/g



Date/Time: 2012-07-06 18:09:04

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE1700/2100

Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: HSL1800; Medium Notes: t= 20.8 C

Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.307 mho/m; ϵ_r = 39.274; ρ = 1000 kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3165

- ConvF(5.51, 5.51, 5.51); Calibrated: 2012-02-21;

- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11

- Phantom: SAM #1 CRP; Type: SAM; Serial: -

- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

LTE - Left/Tilt - Middle - 16QAM - 20MHz - 1RB - 0% offset/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.200 mW/g

LTE - Left/Tilt - Middle - 16QAM - 20MHz - 1RB - 0% offset/Zoom Scan (6x6x7)/Cube 0: Measurement grid:

dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 7.892 V/m

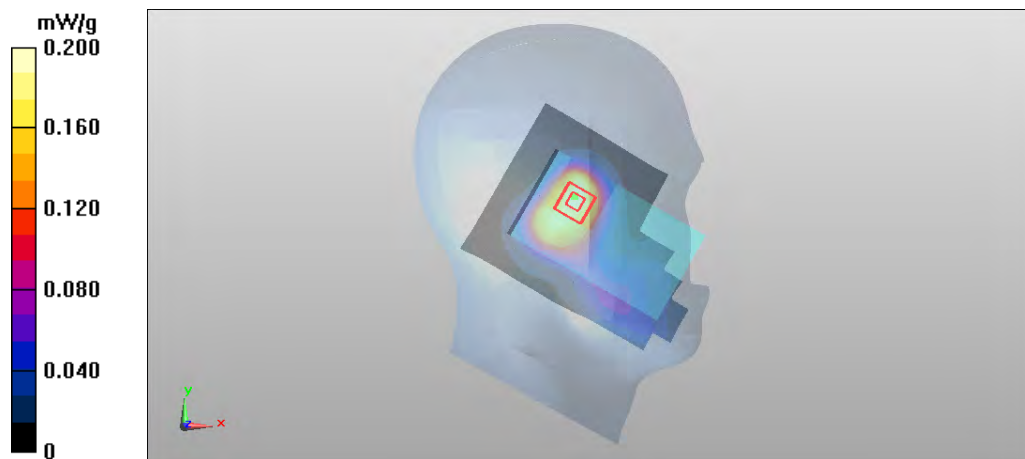
Peak SAR (extrapolated) = 0.248 mW/g

SAR(1 g) = 0.172 mW/g

SAR(10 g) = 0.116 mW/g

Power Drift = 0.11 dB

Maximum value of SAR (measured) = 0.182 mW/g



Date/Time: 2012-07-07 17:02:46

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE1700/2100

Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: HSL1800; Medium Notes: t= 20.8 C

Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.333 mho/m; ϵ_r = 39.04; ρ = 1000 kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: ES3DV3 - SN3165
- ConvF(5.51, 5.51, 5.51); Calibrated: 2012-02-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11
- Phantom: SAM #1 CRP; Type: SAM; Serial: -
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

LTE - Right/Cheek - Middle - 16QAM - 20MHz - 1RB - 0% offset/Area Scan (81x121x1): Measurement grid:

dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.267 mW/g

LTE - Right/Cheek - Middle - 16QAM - 20MHz - 1RB - 0% offset/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 4.951 V/m

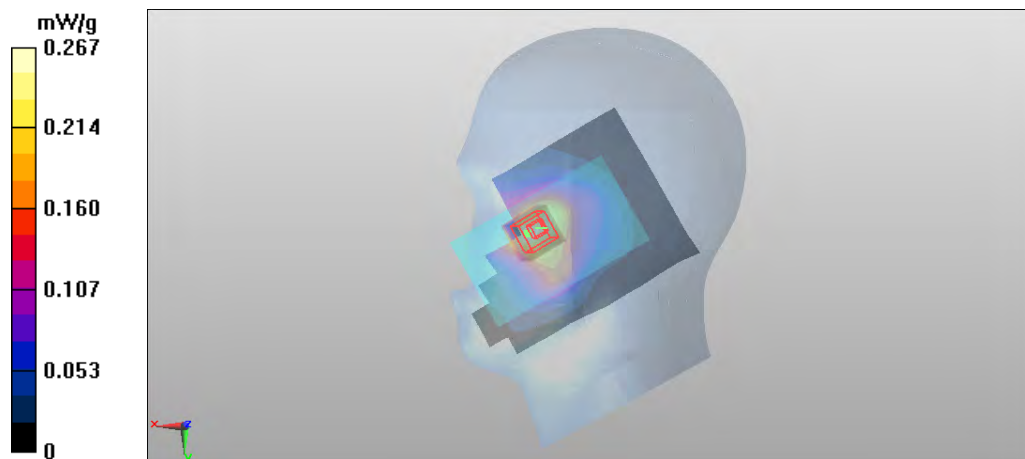
Peak SAR (extrapolated) = 0.356 mW/g

SAR(1 g) = 0.245 mW/g

SAR(10 g) = 0.159 mW/g

Power Drift = 0.33 dB

Maximum value of SAR (measured) = 0.277 mW/g



Date/Time: 2012-07-07 21:01:59

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE1700/2100

Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: HSL1800; Medium Notes: t= 20.8 C

Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.333 mho/m; ϵ_r = 39.04; ρ = 1000 kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: ES3DV3 - SN3165
- ConvF(5.51, 5.51, 5.51); Calibrated: 2012-02-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11
- Phantom: SAM #1 CRP; Type: SAM; Serial: -
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

LTE - Right/Tilt - Middle - 16QAM - 20MHz - 1 RB - 0% offset/Area Scan (81x121x1): Measurement grid:

dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.212 mW/g

LTE - Right/Tilt - Middle - 16QAM - 20MHz - 1 RB - 0% offset/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 9.843 V/m

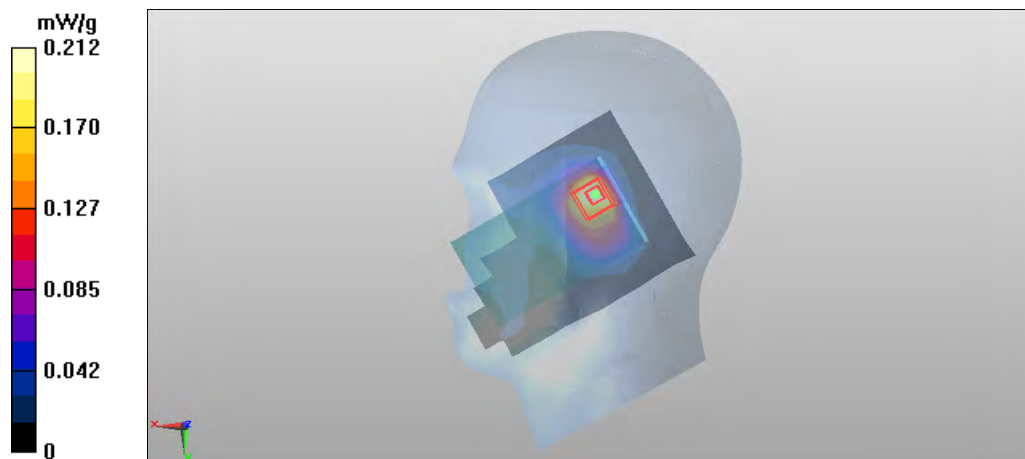
Peak SAR (extrapolated) = 0.272 mW/g

SAR(1 g) = 0.181 mW/g

SAR(10 g) = 0.115 mW/g

Power Drift = 0.42 dB

Maximum value of SAR (measured) = 0.196 mW/g



Date/Time: 2012-08-20 20:34:39

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE1700/2100

Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: HSL1800; Medium Notes: t= 20.9 C

Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.337 mho/m; ϵ_r = 38.422; ρ = 1000 kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3165
- ConvF(5.51, 5.51, 5.51); Calibrated: 2012-02-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11
- Phantom: SAM #1 CRP; Type: SAM; Serial:
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.6 (6824)

LTE - Left/Cheek - Middle - QPSK - 20MHz - 1RB - 50% offset - Cover CC-3401/Area Scan (81x121x1): Interpolated
grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.635 W/kg

LTE - Left/Cheek - Middle - QPSK - 20MHz - 1RB - 50% offset - Cover CC-3401/Zoom Scan (6x6x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 6.300 V/m

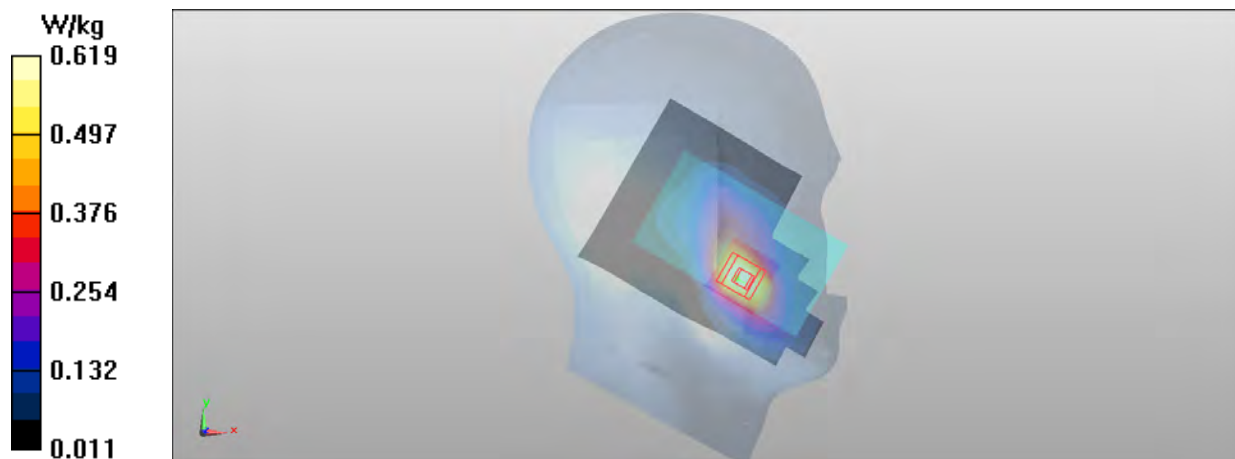
Peak SAR (extrapolated) = 0.861 mW/g

SAR(1 g) = 0.578 mW/g

SAR(10 g) = 0.365 mW/g

Power Drift = -0.36 dB

Maximum value of SAR (measured) = 0.619 W/kg



Date/Time: 2012-07-06 13:31:57

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976059/3

Communication System: GSM1900

Frequency: 1880 MHz; Duty Cycle: 1:8.3

Medium: HSL1900; Medium Notes: $t = 21.2$ C

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.378$ mho/m; $\epsilon_r = 38.85$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3573
- ConvF(7.43, 7.43, 7.43); Calibrated: 2012-02-23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn793; Calibrated: 2011-09-16
- Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1449
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.5 (6469)

GSM - Left/Cheek - Middle/Area Scan (81x121x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (interpolated) = 0.626 mW/g

GSM - Left/Cheek - Middle/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 5.951 V/m

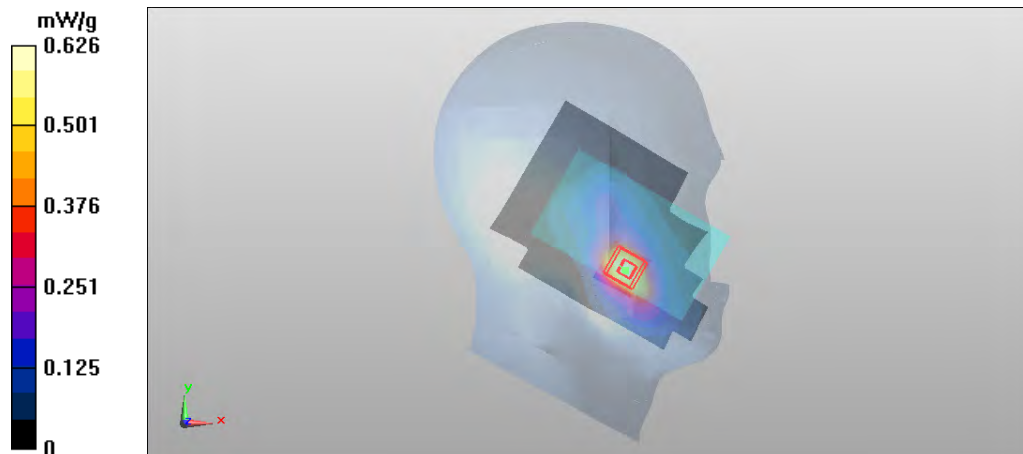
Peak SAR (extrapolated) = 0.803 mW/g

SAR(1 g) = 0.530 mW/g

SAR(10 g) = 0.330 mW/g

Power Drift = -0.01 dB

Maximum value of SAR (measured) = 0.570 mW/g



Date/Time: 2012-07-06 14:19:58

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976059/3

Communication System: 2-slot GPRS1900

Frequency: 1880 MHz; Duty Cycle: 1:4.2

Medium: HSL1900; Medium Notes: $t = 21.2$ C

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.378$ mho/m; $\epsilon_r = 38.85$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3573
- ConvF(7.43, 7.43, 7.43); Calibrated: 2012-02-23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn793; Calibrated: 2011-09-16
- Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1449
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.5 (6469)

2-slot GPRS - Left/Cheek - Middle/Area Scan (81x121x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (interpolated) = 1.12 mW/g

2-slot GPRS - Left/Cheek - Middle/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 8.209 V/m

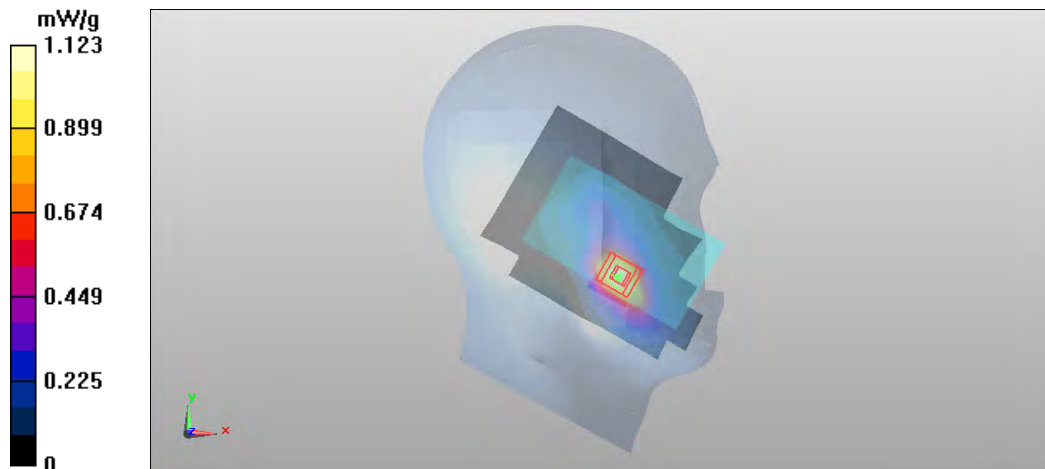
Peak SAR (extrapolated) = 1.435 mW/g

SAR(1 g) = 0.943 mW/g

SAR(10 g) = 0.587 mW/g

Power Drift = -0.29 dB

Maximum value of SAR (measured) = 1.01 mW/g



Date/Time: 2012-07-06 15:12:46

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976059/3

Communication System: 2-slot GPRS1900

Frequency: 1880 MHz; Duty Cycle: 1:4.2

Medium: HSL1900; Medium Notes: $t = 21.2$ C

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.378$ mho/m; $\epsilon_r = 38.85$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3573
- ConvF(7.43, 7.43, 7.43); Calibrated: 2012-02-23;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn793; Calibrated: 2011-09-16
- Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1449
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.5 (6469)

2-slot GPRS - Left/Tilt -Middle/Area Scan (81x121x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (interpolated) = 0.401 mW/g

2-slot GPRS - Left/Tilt -Middle/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 12.780 V/m

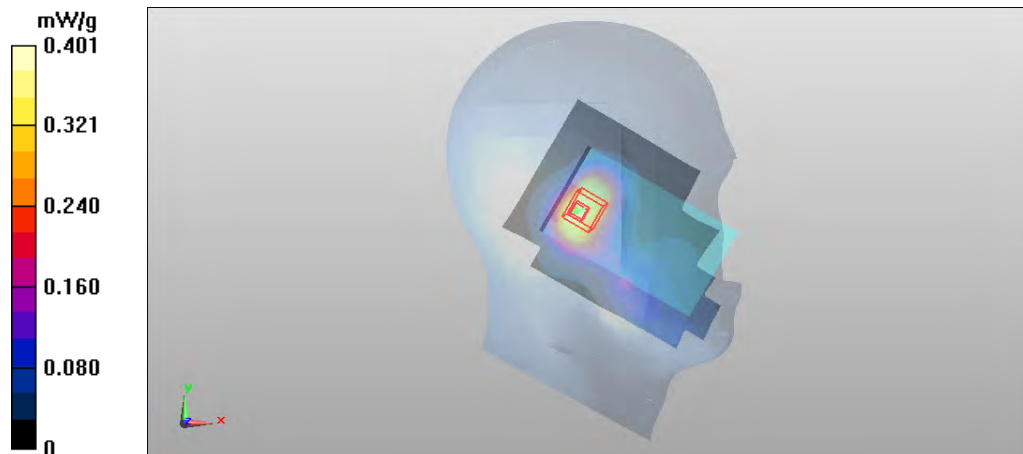
Peak SAR (extrapolated) = 0.507 mW/g

SAR(1 g) = 0.338 mW/g

SAR(10 g) = 0.217 mW/g

Power Drift = 0.04 dB

Maximum value of SAR (measured) = 0.365 mW/g



Date/Time: 2012-07-06 15:49:56

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976059/3

Communication System: 2-slot GPRS1900

Frequency: 1880 MHz; Duty Cycle: 1:4.2

Medium: HSL1900; Medium Notes: $t = 21.2$ C

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.378$ mho/m; $\epsilon_r = 38.85$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3573
- ConvF(7.43, 7.43, 7.43); Calibrated: 2012-02-23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn793; Calibrated: 2011-09-16
- Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1449
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.5 (6469)

2-slot GPRS - Right/Cheek - Middle/Area Scan (81x121x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (interpolated) = 0.708 mW/g

2-slot GPRS - Right/Cheek - Middle/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 7.742 V/m

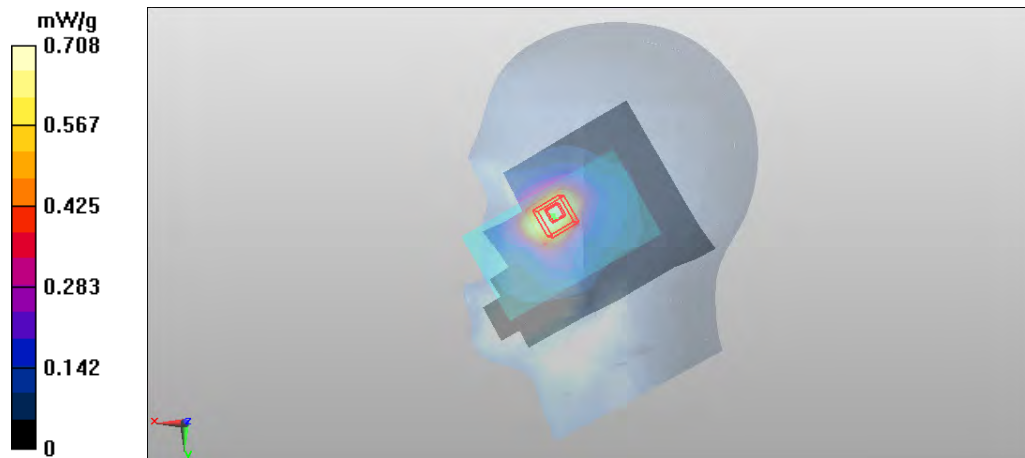
Peak SAR (extrapolated) = 0.968 mW/g

SAR(1 g) = 0.655 mW/g

SAR(10 g) = 0.419 mW/g

Power Drift = -0.18 dB

Maximum value of SAR (measured) = 0.706 mW/g



Date/Time: 2012-07-06 16:09:02

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976059/3

Communication System: 2-slot GPRS1900

Frequency: 1880 MHz; Duty Cycle: 1:4.2

Medium: HSL1900; Medium Notes: $t = 21.2$ C

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.378$ mho/m; $\epsilon_r = 38.85$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3573
- ConvF(7.43, 7.43, 7.43); Calibrated: 2012-02-23;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn793; Calibrated: 2011-09-16
- Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1449
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.5 (6469)

2-slot GPRS - Right/Tilt - Middle/Area Scan (81x121x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (interpolated) = 0.418 mW/g

2-slot GPRS - Right/Tilt - Middle/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 13.616 V/m

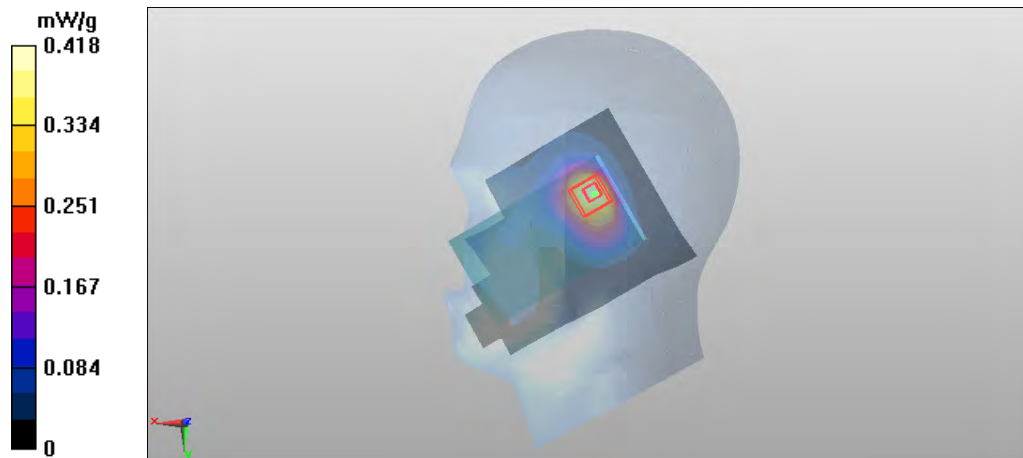
Peak SAR (extrapolated) = 0.548 mW/g

SAR(1 g) = 0.368 mW/g

SAR(10 g) = 0.231 mW/g

Power Drift = 0.19 dB

Maximum value of SAR (measured) = 0.392 mW/g



Date/Time: 2012-07-06 16:36:29

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976059/3

Communication System: 2-slot 8PSK EGPRS1900

Frequency: 1880 MHz; Duty Cycle: 1:4.2

Medium: HSL1900; Medium Notes: $t = 21.2$ C

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.378$ mho/m; $\epsilon_r = 38.85$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3573
- ConvF(7.43, 7.43, 7.43); Calibrated: 2012-02-23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn793; Calibrated: 2011-09-16
- Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1449
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.5 (6469)

2-slot 8PSK EGPRS - Left/Cheek - Middle/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.532 mW/g

2-slot 8PSK EGPRS - Left/Cheek - Middle/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 4.720 V/m

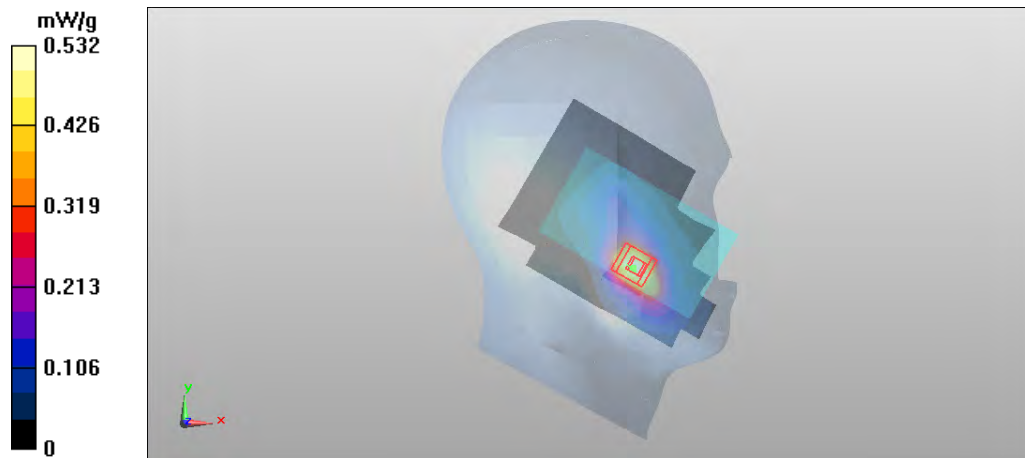
Peak SAR (extrapolated) = 0.691 mW/g

SAR(1 g) = 0.458 mW/g

SAR(10 g) = 0.284 mW/g

Power Drift = 0.49 dB

Maximum value of SAR (measured) = 0.489 mW/g



Date/Time: 2012-07-06 17:13:15

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976059/3

Communication System: WCDMA1900

Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: HSL1900; Medium Notes: t= 21.2 C

Medium parameters used: f = 1880 MHz; σ = 1.378 mho/m; ϵ_r = 38.85; ρ = 1000 kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3573
- ConvF(7.43, 7.43, 7.43); Calibrated: 2012-02-23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn793; Calibrated: 2011-09-16
- Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1449
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.5 (6469)

WCDMA - Left/Cheek - Middle/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.08 mW/g

WCDMA - Left/Cheek - Middle/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 8.083 V/m

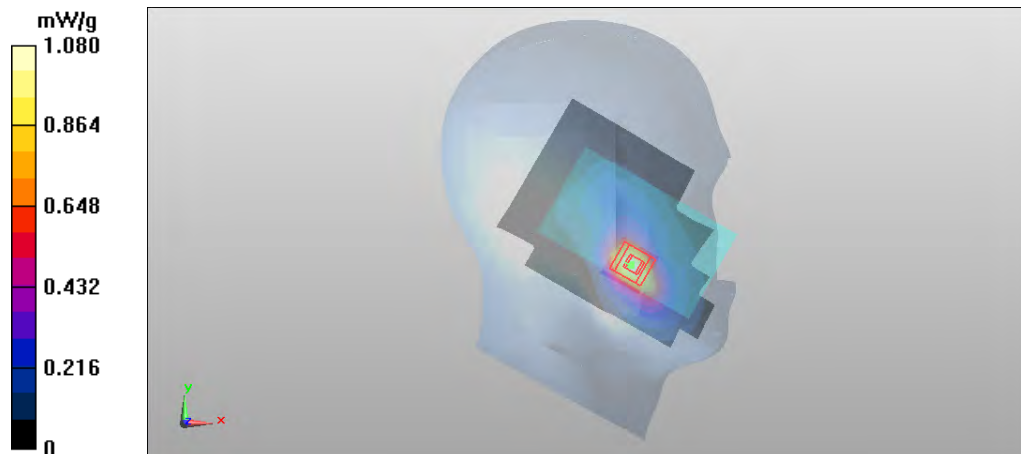
Peak SAR (extrapolated) = 1.386 mW/g

SAR(1 g) = 0.913 mW/g

SAR(10 g) = 0.563 mW/g

Power Drift = -0.14 dB

Maximum value of SAR (measured) = 0.989 mW/g



Date/Time: 2012-07-06 18:04:37

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976059/3

Communication System: WCDMA1900

Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: HSL1900; Medium Notes: $t = 21.2$ C

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.378$ mho/m; $\epsilon_r = 38.85$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3573
- ConvF(7.43, 7.43, 7.43); Calibrated: 2012-02-23;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn793; Calibrated: 2011-09-16
- Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1449
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.5 (6469)

WCDMA - Left/Tlt - Middle/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.378 mW/g

WCDMA - Left/Tlt - Middle/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 13.080 V/m

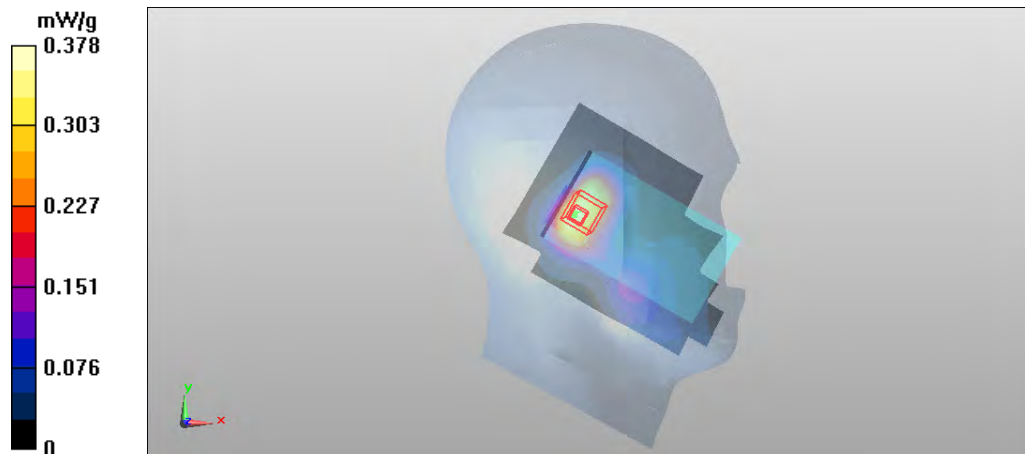
Peak SAR (extrapolated) = 0.459 mW/g

SAR(1 g) = 0.306 mW/g

SAR(10 g) = 0.196 mW/g

Power Drift = 0.05 dB

Maximum value of SAR (measured) = 0.327 mW/g



Date/Time: 2012-07-06 18:33:15

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976059/3

Communication System: WCDMA1900

Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: HSL1900; Medium Notes: $t = 21.2\text{ C}$

Medium parameters used: $f = 1880\text{ MHz}$; $\sigma = 1.378\text{ mho/m}$; $\epsilon_r = 38.85$; $\rho = 1000\text{ kg/m}^3$

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3573
- ConvF(7.43, 7.43, 7.43); Calibrated: 2012-02-23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn793; Calibrated: 2011-09-16
- Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1449
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.5 (6469)

WCDMA - Right/Cheek - Middle/Area Scan (81x121x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

WCDMA - Right/Cheek - Middle/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 8.477 V/m

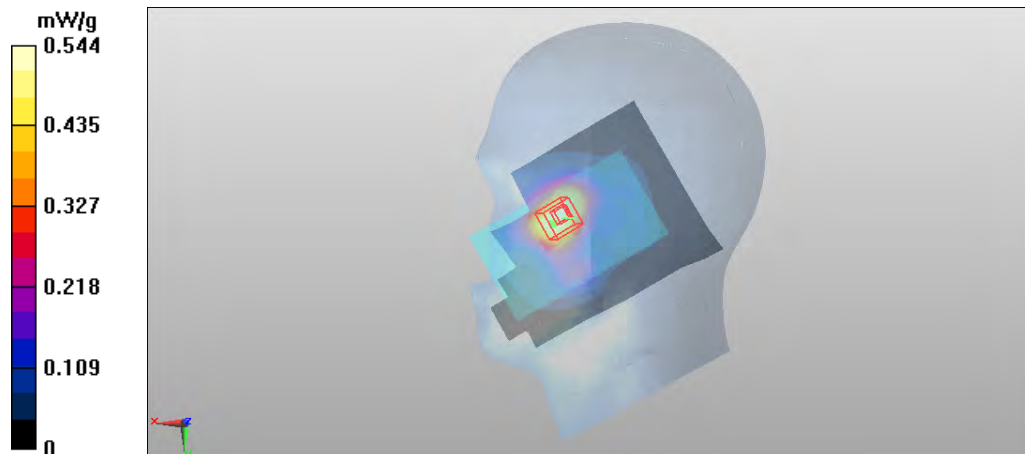
Peak SAR (extrapolated) = 0.739 mW/g

SAR(1 g) = 0.508 mW/g

SAR(10 g) = 0.326 mW/g

Power Drift = -0.14 dB

Maximum value of SAR (measured) = 0.538 mW/g



Date/Time: 2012-07-06 18:52:50

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976059/3

Communication System: WCDMA1900

Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: HSL1900; Medium Notes: $t = 21.2$ C

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.378$ mho/m; $\epsilon_r = 38.85$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3573
- ConvF(7.43, 7.43, 7.43); Calibrated: 2012-02-23;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn793; Calibrated: 2011-09-16
- Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1449
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.5 (6469)

WCDMA - Right/Tilt - Middle/Area Scan (81x121x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (interpolated) = 0.328 mW/g

WCDMA - Right/Tilt - Middle/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 12.493 V/m

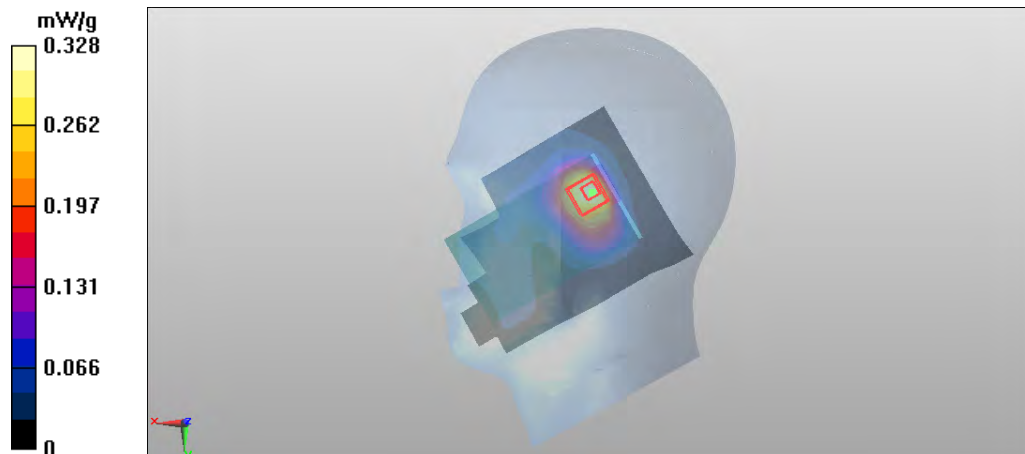
Peak SAR (extrapolated) = 0.427 mW/g

SAR(1 g) = 0.291 mW/g

SAR(10 g) = 0.186 mW/g

Power Drift = 0.33 dB

Maximum value of SAR (measured) = 0.311 mW/g



Date/Time: 2012-08-16 08:56:24

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976059/3

Communication System: 2-slot GPRS1900

Frequency: 1880 MHz; Duty Cycle: 1:4.2

Medium: HSL1900; Medium Notes: $t = 21.2$ C

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.362$ mho/m; $\epsilon_r = 38.7$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3573
- ConvF(7.43, 7.43, 7.43); Calibrated: 2012-02-23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn538; Calibrated: 2012-08-03
- Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1449
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.6 (6824)

2-slot GPRS - Left/Cheek - Middle - Cover CC-3401/Area Scan (81x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 1.17 W/kg

2-slot GPRS - Left/Cheek - Middle - Cover CC-3401/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 7.933 V/m

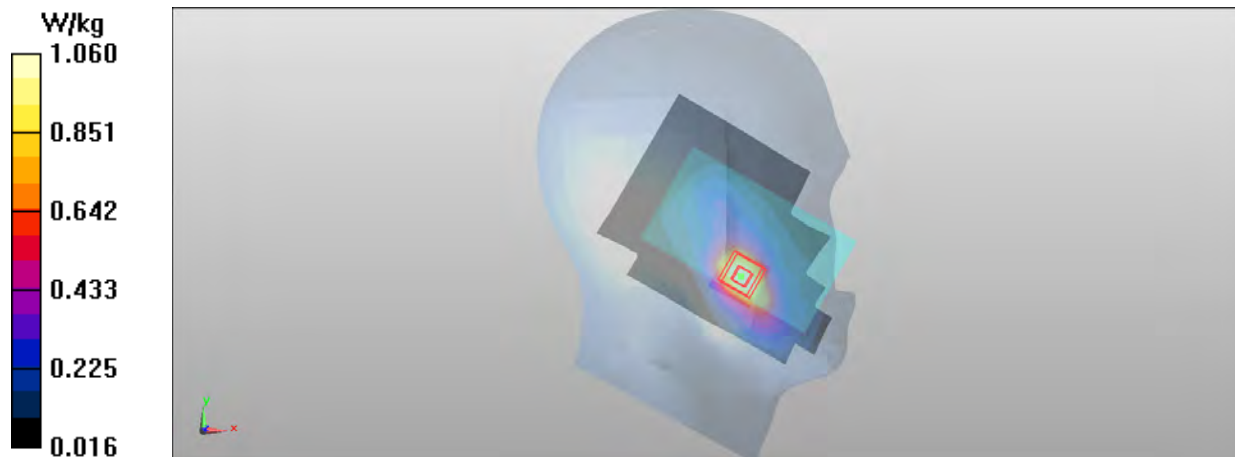
Peak SAR (extrapolated) = 1.465 mW/g

SAR(1 g) = 0.970 mW/g

SAR(10 g) = 0.603 mW/g

Power Drift = -0.28 dB

Maximum value of SAR (measured) = 1.06 W/kg



Date/Time: 2012-08-16 14:14:36

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976171/6

Communication System: LTE1900

Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: HSL 1900; Medium Notes: t= 20.5 C

Medium parameters used: f = 1880 MHz; $\sigma = 1.362$ mho/m; $\epsilon_r = 38.7$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3573
- ConvF(7.43, 7.43, 7.43); Calibrated: 2012-02-23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn538; Calibrated: 2012-08-03
- Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1449
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.6 (6824)

LTE - Left/Cheek - Middle - QPSK - 20MHz - 100% RB/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.00 W/kg

LTE - Left/Cheek - Middle - QPSK - 20MHz - 100% RB/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 7.249 V/m

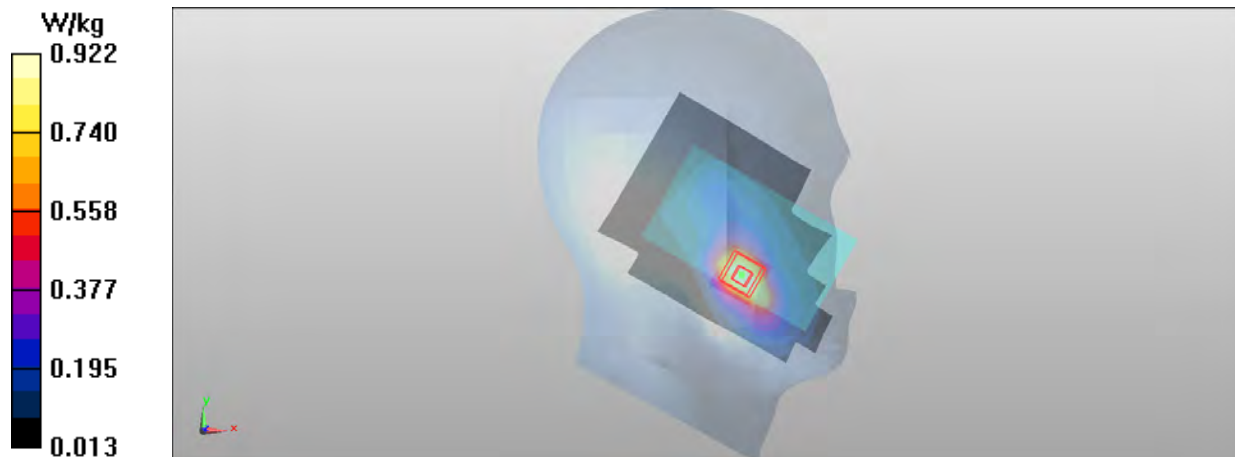
Peak SAR (extrapolated) = 1.291 mW/g

SAR(1 g) = 0.848 mW/g

SAR(10 g) = 0.525 mW/g

Power Drift = 0.08 dB

Maximum value of SAR (measured) = 0.922 W/kg



Date/Time: 2012-08-16 20:24:19

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976171/6

Communication System: LTE1900

Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: HSL 1900; Medium Notes: $t = 20.5\text{ C}$

Medium parameters used: $f = 1880\text{ MHz}$; $\sigma = 1.362\text{ mho/m}$; $\epsilon_r = 38.7$; $\rho = 1000\text{ kg/m}^3$

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3573
- ConvF(7.43, 7.43, 7.43); Calibrated: 2012-02-23;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn538; Calibrated: 2012-08-03
- Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1449
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.6 (6824)

LTE - Left/Tilt - Middle - QPSK - 20MHz - 100% RB/Area Scan (81x121x1): Interpolated grid: $dx=1.500\text{ mm}$, $dy=1.500\text{ mm}$

Maximum value of SAR (interpolated) = 0.323 W/kg

LTE - Left/Tilt - Middle - QPSK - 20MHz - 100% RB/Zoom Scan 3 (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 12.086 V/m

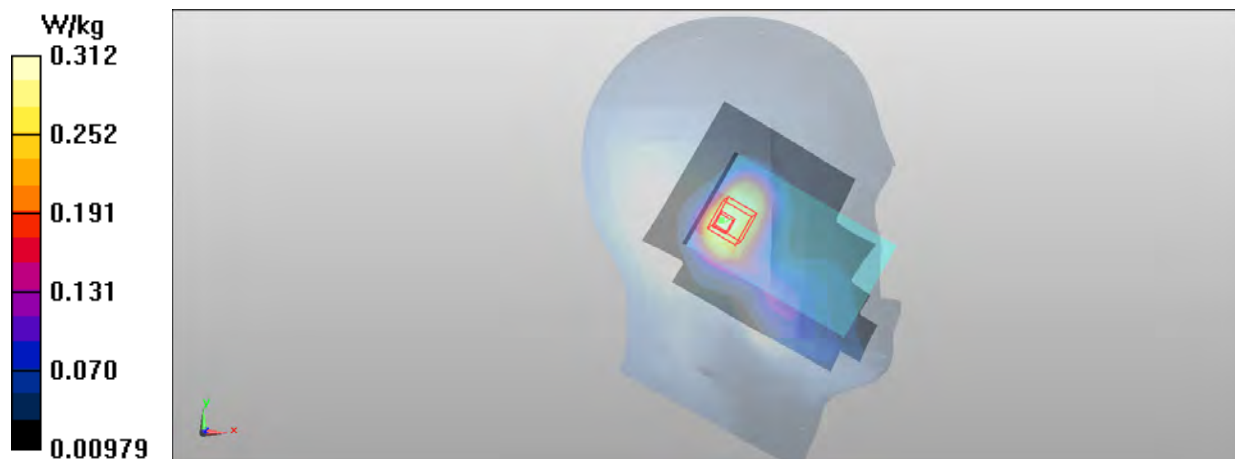
Peak SAR (extrapolated) = 0.429 mW/g

SAR(1 g) = 0.286 mW/g

SAR(10 g) = 0.184 mW/g

Power Drift = 0.09 dB

Maximum value of SAR (measured) = 0.312 W/kg



Date/Time: 2012-08-17 13:39:53

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976171/6

Communication System: LTE1900

Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: HSL 1900; Medium Notes: $t = 20.5$ C

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.384$ mho/m; $\epsilon_r = 38.525$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3573
- ConvF(7.43, 7.43, 7.43); Calibrated: 2012-02-23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn538; Calibrated: 2012-08-03
- Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1449
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.6 (6824)

LTE - Right/Cheek - Middle - QPSK - 20MHz - 100% RB/Area Scan (81x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.552 W/kg

LTE - Right/Cheek - Middle - QPSK - 20MHz - 100% RB/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

$dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 6.575 V/m

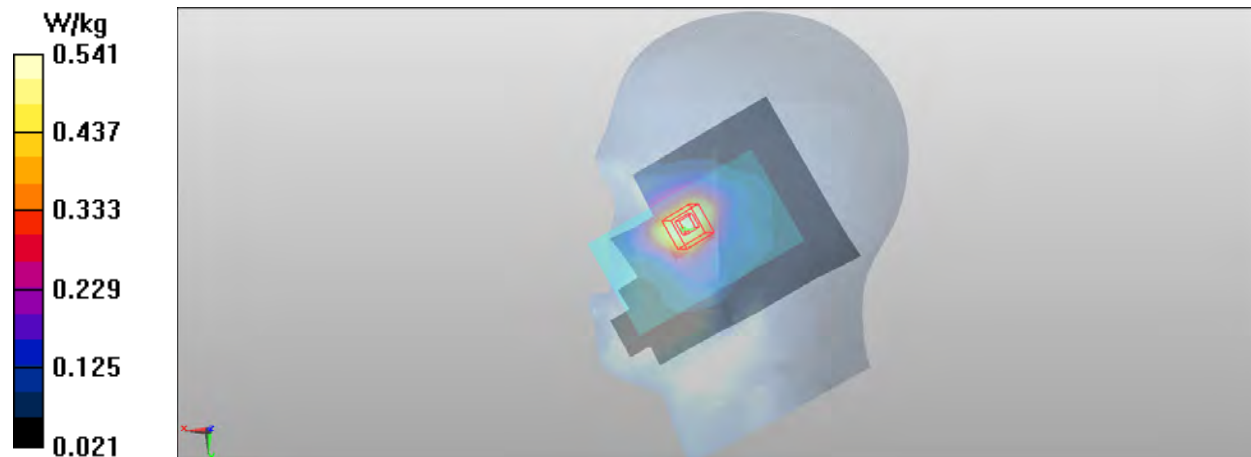
Peak SAR (extrapolated) = 0.750 mW/g

SAR(1 g) = 0.509 mW/g

SAR(10 g) = 0.328 mW/g

Power Drift = 0.07 dB

Maximum value of SAR (measured) = 0.541 W/kg



Date/Time: 2012-08-17 16:49:14

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976171/6

Communication System: LTE1900

Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: HSL 1900; Medium Notes: $t = 20.5\text{ C}$

Medium parameters used: $f = 1880\text{ MHz}$; $\sigma = 1.384\text{ mho/m}$; $\epsilon_r = 38.525$; $\rho = 1000\text{ kg/m}^3$

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3573
- ConvF(7.43, 7.43, 7.43); Calibrated: 2012-02-23;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn538; Calibrated: 2012-08-03
- Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1449
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.6 (6824)

LTE - Right/Tilt - Middle - QPSK - 20MHz - 100% RB/Area Scan (81x121x1): Interpolated grid: $dx=1.500\text{ mm}$, $dy=1.500\text{ mm}$

Maximum value of SAR (interpolated) = 0.342 W/kg

LTE - Right/Tilt - Middle - QPSK - 20MHz - 100% RB/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 11.975 V/m

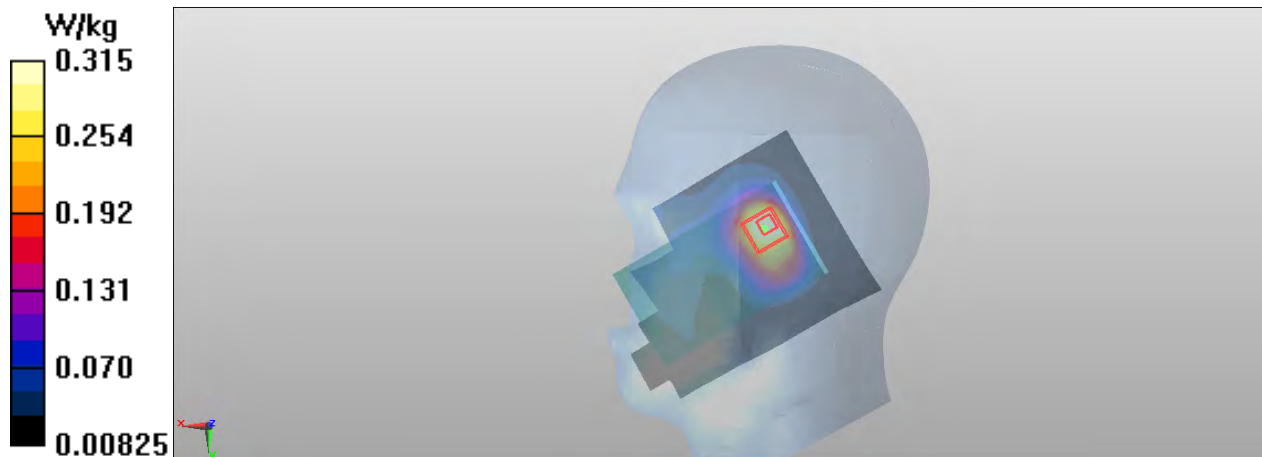
Peak SAR (extrapolated) = 0.447 mW/g

SAR(1 g) = 0.299 mW/g

SAR(10 g) = 0.189 mW/g

Power Drift = -0.24 dB

Maximum value of SAR (measured) = 0.315 W/kg



Date/Time: 2012-08-16 14:36:19

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976171/6

Communication System: LTE1900

Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: HSL 1900; Medium Notes: t= 20.5 C

Medium parameters used: f = 1880 MHz; $\sigma = 1.362$ mho/m; $\epsilon_r = 38.7$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3573
- ConvF(7.43, 7.43, 7.43); Calibrated: 2012-02-23;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn538; Calibrated: 2012-08-03
- Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1449
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.6 (6824)

LTE - Left/Cheek - Middle - QPSK - 20MHz - 50% RB - 50% offset/Area Scan (81x121x1): Interpolated grid:

dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.04 W/kg

LTE - Left/Cheek - Middle - QPSK - 20MHz - 50% RB - 50% offset/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 7.189 V/m

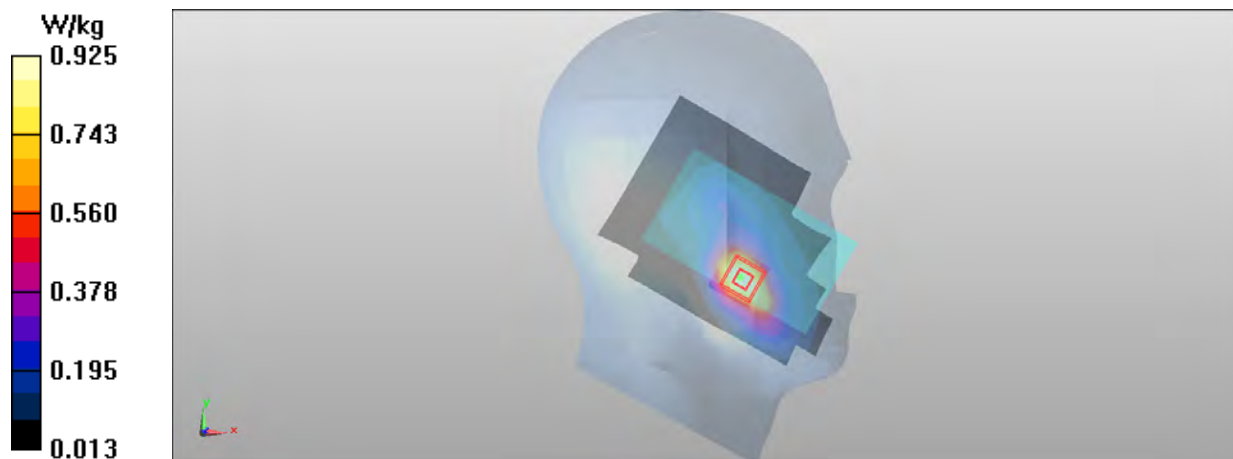
Peak SAR (extrapolated) = 1.276 mW/g

SAR(1 g) = 0.844 mW/g

SAR(10 g) = 0.524 mW/g

Power Drift = 0.28 dB

Maximum value of SAR (measured) = 0.925 W/kg



Date/Time: 2012-08-16 20:48:28

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976171/6

Communication System: LTE1900

Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: HSL 1900; Medium Notes: $t = 20.5$ C

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.362$ mho/m; $\epsilon_r = 38.7$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3573
- ConvF(7.43, 7.43, 7.43); Calibrated: 2012-02-23;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn538; Calibrated: 2012-08-03
- Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1449
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.6 (6824)

LTE - Left/Tilt - Middle - QPSK - 20MHz - 50% RB - 50% offset/Area Scan (81x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.324 W/kg

LTE - Left/Tilt - Middle - QPSK - 20MHz - 50% RB - 50% offset/Zoom Scan 3 (5x5x7)/Cube 0: Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 12.261 V/m

Peak SAR (extrapolated) = 0.436 mW/g

SAR(1 g) = 0.289 mW/g

SAR(10 g) = 0.186 mW/g

Power Drift = -0.05 dB

Maximum value of SAR (measured) = 0.308 W/kg



Date/Time: 2012-08-17 14:18:04

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976171/6

Communication System: LTE1900

Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: HSL 1900; Medium Notes: $t = 20.5$ C

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.384$ mho/m; $\epsilon_r = 38.525$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3573
- ConvF(7.43, 7.43, 7.43); Calibrated: 2012-02-23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn538; Calibrated: 2012-08-03
- Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1449
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.6 (6824)

LTE - Right/Cheek - Middle - QPSK - 20MHz - 50% RB - 50% offset/Area Scan (81x121x1): Interpolated grid:
 $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.557 W/kg

LTE - Right/Cheek - Middle - QPSK - 20MHz - 50% RB - 50% offset/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 6.452 V/m

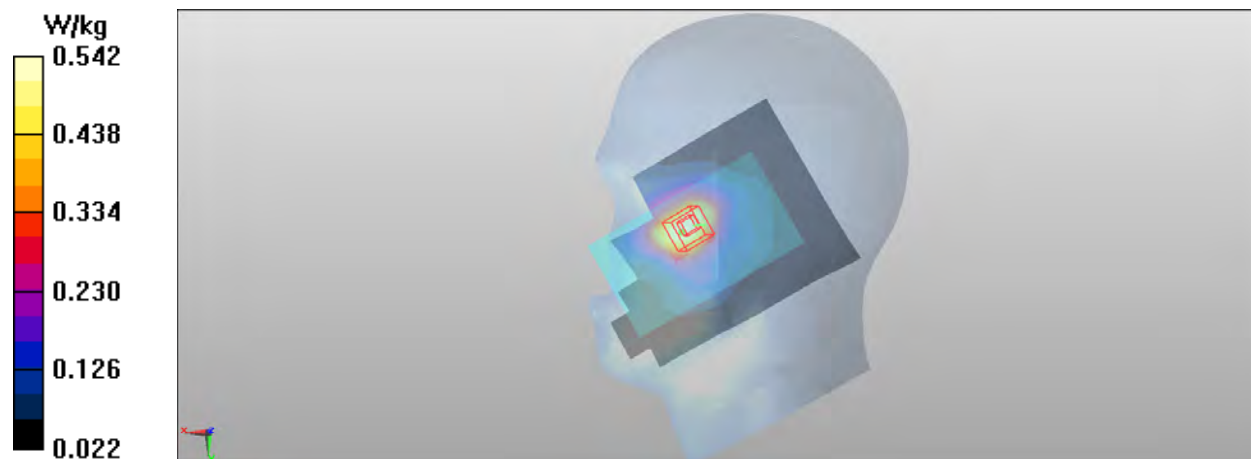
Peak SAR (extrapolated) = 0.745 mW/g

SAR(1 g) = 0.512 mW/g

SAR(10 g) = 0.330 mW/g

Power Drift = 0.22 dB

Maximum value of SAR (measured) = 0.542 W/kg



Date/Time: 2012-08-17 17:03:37

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976171/6

Communication System: LTE1900

Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: HSL 1900; Medium Notes: $t = 20.5$ C

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.384$ mho/m; $\epsilon_r = 38.525$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3573
- ConvF(7.43, 7.43, 7.43); Calibrated: 2012-02-23;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn538; Calibrated: 2012-08-03
- Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1449
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.6 (6824)

LTE - Right/Tilt - Middle - QPSK - 20MHz - 50% RB - 50% offset/Area Scan (81x121x1): Interpolated grid:

$dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.336 W/kg

LTE - Right/Tilt - Middle - QPSK - 20MHz - 50% RB - 50% offset/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

$dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 11.715 V/m

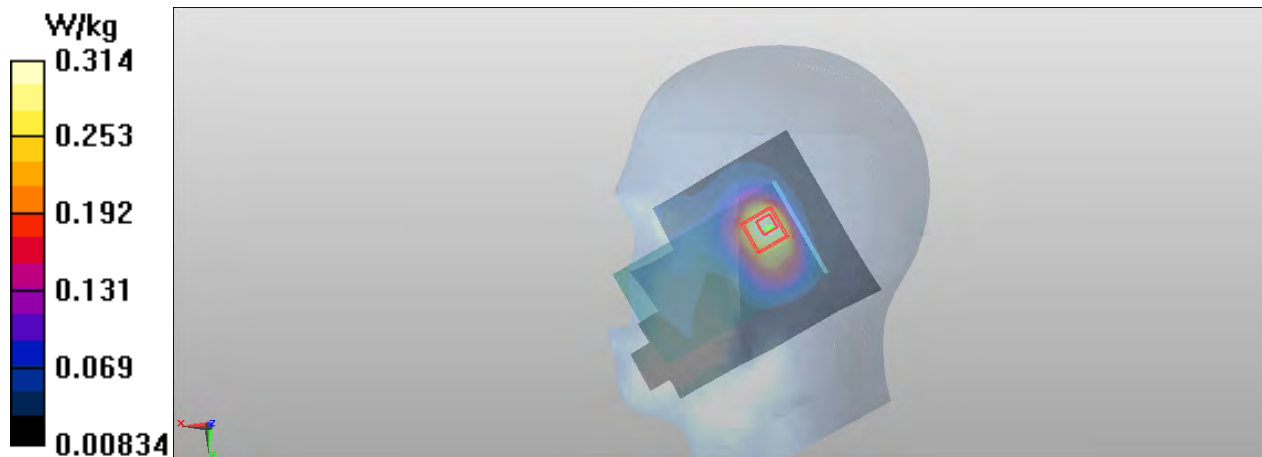
Peak SAR (extrapolated) = 0.453 mW/g

SAR(1 g) = 0.302 mW/g

SAR(10 g) = 0.191 mW/g

Power Drift = 0.10 dB

Maximum value of SAR (measured) = 0.314 W/kg



Date/Time: 2012-08-16 15:55:31

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976171/6

Communication System: LTE1900

Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: HSL 1900; Medium Notes: $t = 20.5\text{ C}$

Medium parameters used: $f = 1880\text{ MHz}$; $\sigma = 1.362\text{ mho/m}$; $\epsilon_r = 38.7$; $\rho = 1000\text{ kg/m}^3$

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3573
- ConvF(7.43, 7.43, 7.43); Calibrated: 2012-02-23;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn538; Calibrated: 2012-08-03
- Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1449
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.6 (6824)

LTE - Left/Cheek - Middle - QPSK - 20MHz - 1 RB - 50% offset/Area Scan (81x121x1): Interpolated grid: $dx=1.500\text{ mm}$, $dy=1.500\text{ mm}$

Maximum value of SAR (interpolated) = 1.13 W/kg

LTE - Left/Cheek - Middle - QPSK - 20MHz - 1 RB - 50% offset/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 6.871 V/m

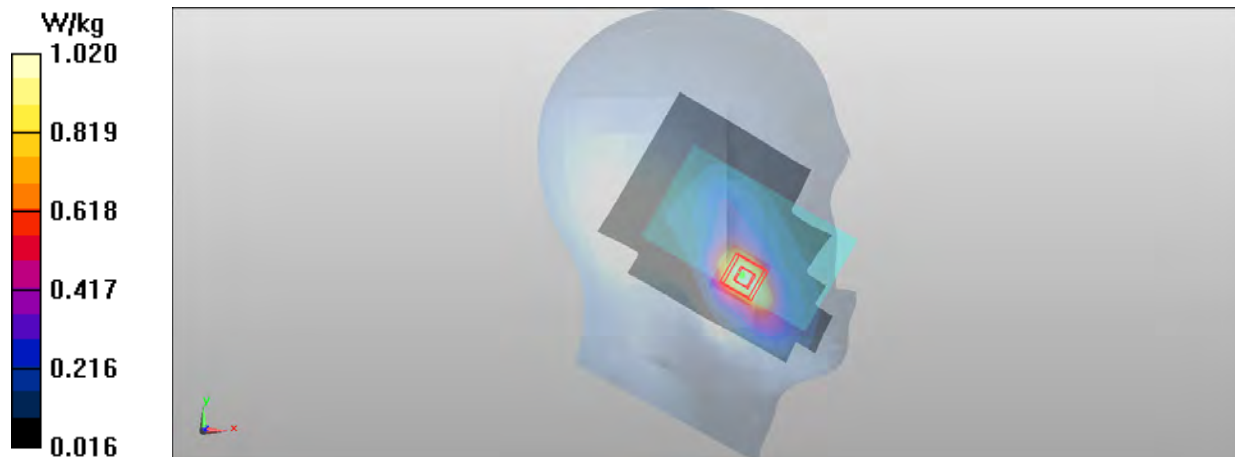
Peak SAR (extrapolated) = 1.427 mW/g

SAR(1 g) = 0.939 mW/g

SAR(10 g) = 0.583 mW/g

Power Drift = 0.11 dB

Maximum value of SAR (measured) = 1.02 W/kg



Date/Time: 2012-08-16 21:13:08

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976171/6

Communication System: LTE1900

Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: HSL 1900; Medium Notes: $t = 20.5\text{ C}$

Medium parameters used: $f = 1880\text{ MHz}$; $\sigma = 1.362\text{ mho/m}$; $\epsilon_r = 38.7$; $\rho = 1000\text{ kg/m}^3$

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3573
- ConvF(7.43, 7.43, 7.43); Calibrated: 2012-02-23;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn538; Calibrated: 2012-08-03
- Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1449
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.6 (6824)

LTE - Left/Tilt - Middle - QPSK - 20MHz - 1 RB - 50% offset/Area Scan (81x121x1): Interpolated grid: $dx=1.500\text{ mm}$, $dy=1.500\text{ mm}$

Maximum value of SAR (interpolated) = 0.367 W/kg

LTE - Left/Tilt - Middle - QPSK - 20MHz - 1 RB - 50% offset/Zoom Scan 3 (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{ mm}$, $dy=7.5\text{ mm}$, $dz=5\text{ mm}$

Reference Value = 12.856 V/m

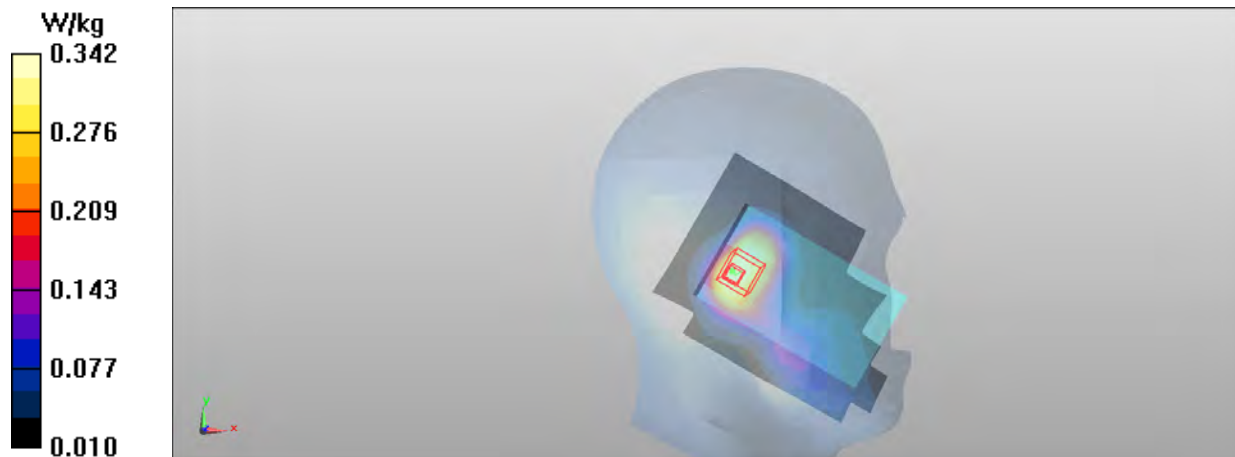
Peak SAR (extrapolated) = 0.477 mW/g

SAR(1 g) = 0.318 mW/g

SAR(10 g) = 0.205 mW/g

Power Drift = 0.08 dB

Maximum value of SAR (measured) = 0.342 W/kg



Date/Time: 2012-08-17 14:38:11

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976171/6

Communication System: LTE1900

Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: HSL 1900; Medium Notes: $t = 20.5$ C

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.384$ mho/m; $\epsilon_r = 38.525$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3573
- ConvF(7.43, 7.43, 7.43); Calibrated: 2012-02-23;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn538; Calibrated: 2012-08-03
- Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1449
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.6 (6824)

LTE - Right/Cheek - Middle - QPSK - 20MHz - 1 RB - 50% offset/Area Scan (81x121x1): Interpolated grid:

$dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.624 W/kg

LTE - Right/Cheek - Middle - QPSK - 20MHz - 1 RB - 50% offset/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

$dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 6.829 V/m

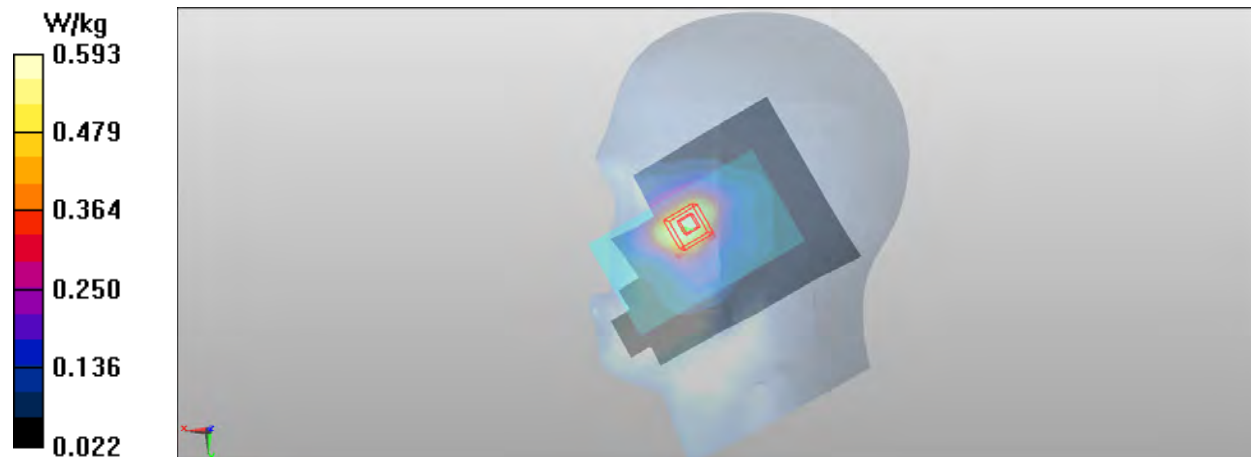
Peak SAR (extrapolated) = 0.824 mW/g

SAR(1 g) = 0.559 mW/g

SAR(10 g) = 0.361 mW/g

Power Drift = 0.16 dB

Maximum value of SAR (measured) = 0.593 W/kg



Date/Time: 2012-08-17 17:17:29

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976171/6

Communication System: LTE1900

Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: HSL 1900; Medium Notes: $t = 20.5$ C

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.384$ mho/m; $\epsilon_r = 38.525$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3573
- ConvF(7.43, 7.43, 7.43); Calibrated: 2012-02-23;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn538; Calibrated: 2012-08-03
- Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1449
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.6 (6824)

LTE - Right/Tilt - Middle - QPSK - 20MHz - 1 RB - 50% offset/Area Scan (81x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.386 W/kg

LTE - Right/Tilt - Middle - QPSK - 20MHz - 1 RB - 50% offset/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 12.432 V/m

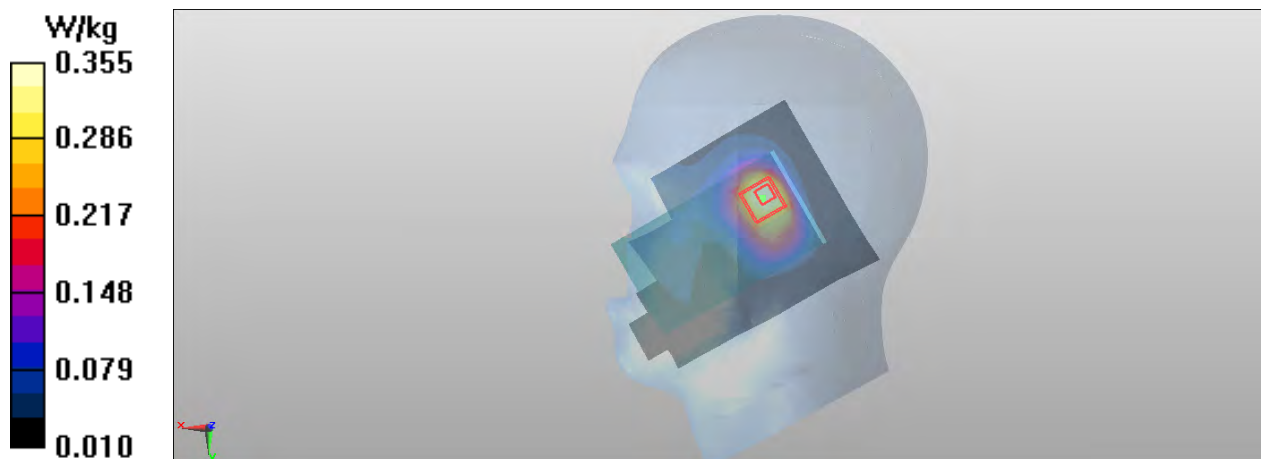
Peak SAR (extrapolated) = 0.502 mW/g

SAR(1 g) = 0.339 mW/g

SAR(10 g) = 0.214 mW/g

Power Drift = 0.06 dB

Maximum value of SAR (measured) = 0.355 W/kg



Date/Time: 2012-08-16 16:39:07

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976171/6

Communication System: LTE1900

Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: HSL 1900; Medium Notes: $t = 20.5\text{ C}$

Medium parameters used: $f = 1880\text{ MHz}$; $\sigma = 1.362\text{ mho/m}$; $\epsilon_r = 38.7$; $\rho = 1000\text{ kg/m}^3$

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3573
- ConvF(7.43, 7.43, 7.43); Calibrated: 2012-02-23;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn538; Calibrated: 2012-08-03
- Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1449
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.6 (6824)

LTE - Left/Cheek - Middle - QPSK - 20MHz - 1 RB - 100% offset/Area Scan (81x121x1): Interpolated grid:

$dx=1.500\text{ mm}$, $dy=1.500\text{ mm}$

Maximum value of SAR (interpolated) = 1.18 W/kg

LTE - Left/Cheek - Middle - QPSK - 20MHz - 1 RB - 100% offset/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

$dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 7.041 V/m

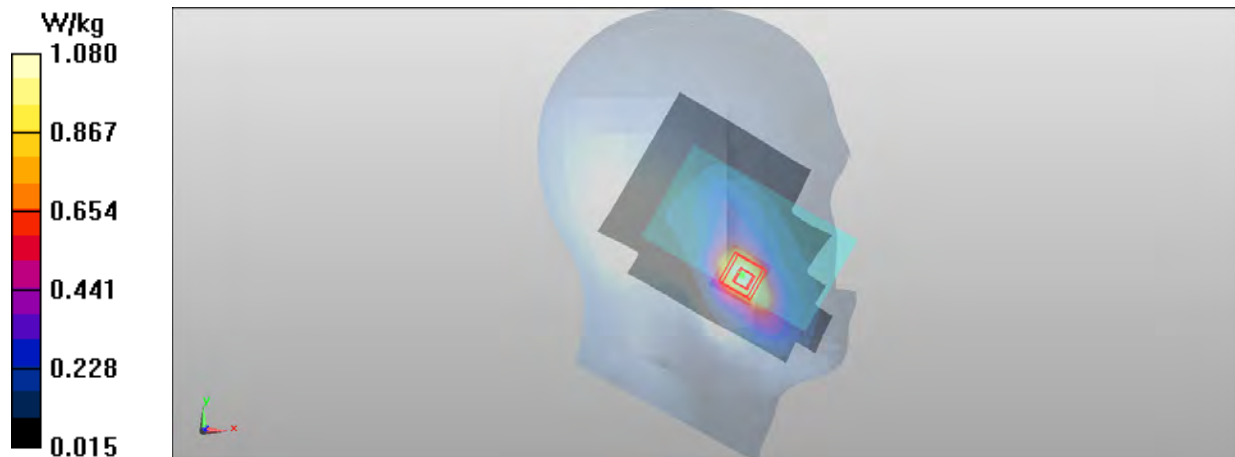
Peak SAR (extrapolated) = 1.510 mW/g

SAR(1 g) = 0.989 mW/g

SAR(10 g) = 0.609 mW/g

Power Drift = 0.20 dB

Maximum value of SAR (measured) = 1.08 W/kg



Date/Time: 2012-08-16 21:39:47

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976171/6

Communication System: LTE1900

Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: HSL 1900; Medium Notes: $t = 20.5$ C

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.362$ mho/m; $\epsilon_r = 38.7$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3573
- ConvF(7.43, 7.43, 7.43); Calibrated: 2012-02-23;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn538; Calibrated: 2012-08-03
- Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1449
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.6 (6824)

LTE - Left/Tilt - Middle - QPSK - 20MHz - 1 RB - 100% offset/Area Scan (81x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.405 W/kg

LTE - Left/Tilt - Middle - QPSK - 20MHz - 1 RB - 100% offset/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 13.429 V/m

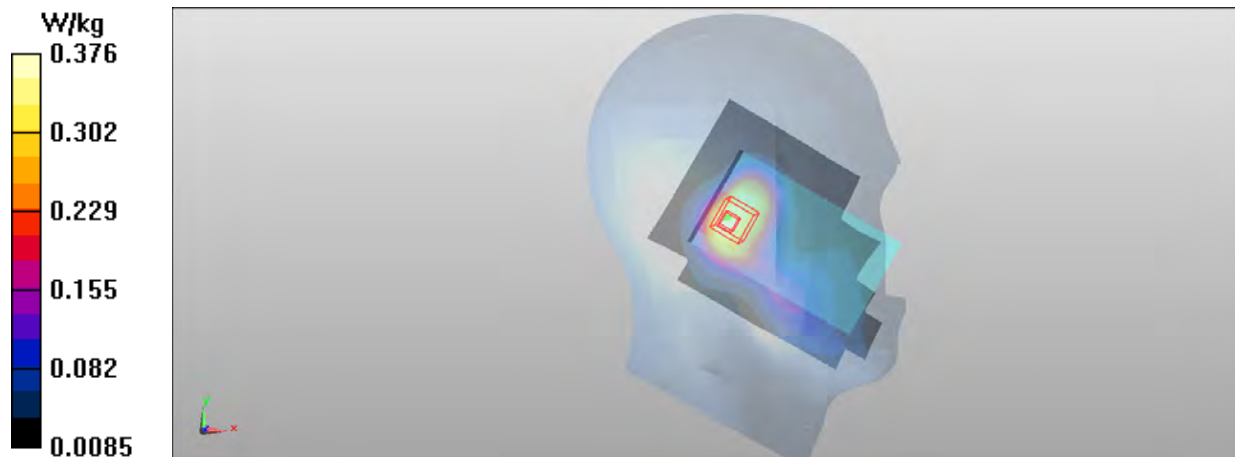
Peak SAR (extrapolated) = 0.524 mW/g

SAR(1 g) = 0.349 mW/g

SAR(10 g) = 0.225 mW/g

Power Drift = 0.00 dB

Maximum value of SAR (measured) = 0.376 W/kg



Date/Time: 2012-08-17 14:53:02

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976171/6

Communication System: LTE1900

Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: HSL 1900; Medium Notes: $t = 20.5\text{ C}$

Medium parameters used: $f = 1880\text{ MHz}$; $\sigma = 1.384\text{ mho/m}$; $\epsilon_r = 38.525$; $\rho = 1000\text{ kg/m}^3$

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3573
- ConvF(7.43, 7.43, 7.43); Calibrated: 2012-02-23;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn538; Calibrated: 2012-08-03
- Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1449
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.6 (6824)

LTE - Right/Cheek - Middle - QPSK - 20MHz - 1 RB - 100% offset/Area Scan (81x121x1): Interpolated grid:

$dx=1.500\text{ mm}$, $dy=1.500\text{ mm}$

Maximum value of SAR (interpolated) = 0.657 W/kg

LTE - Right/Cheek - Middle - QPSK - 20MHz - 1 RB - 100% offset/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

$dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 7.166 V/m

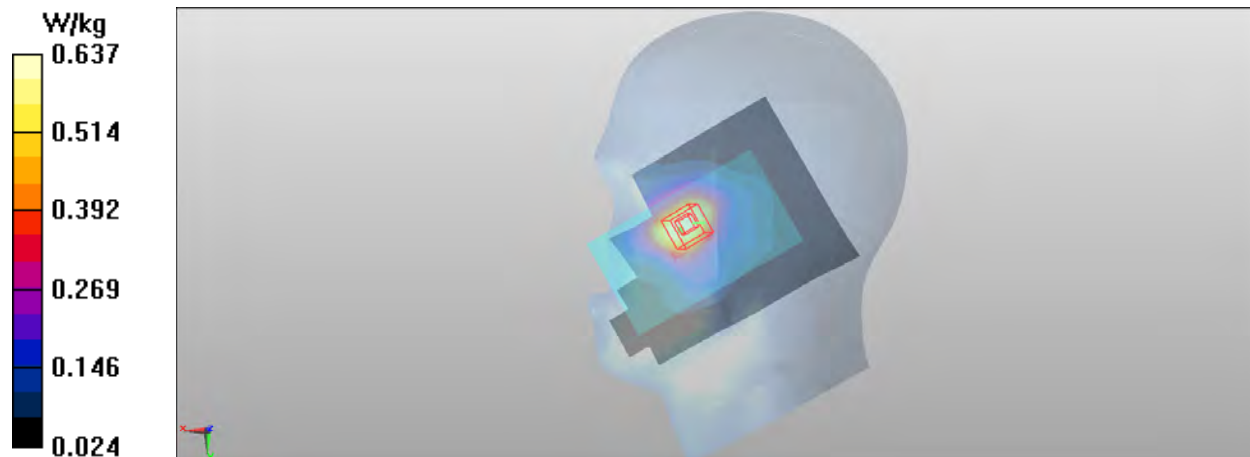
Peak SAR (extrapolated) = 0.889 mW/g

SAR(1 g) = 0.604 mW/g

SAR(10 g) = 0.387 mW/g

Power Drift = 0.17 dB

Maximum value of SAR (measured) = 0.637 W/kg



Date/Time: 2012-08-17 17:31:49

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976171/6

Communication System: LTE1900

Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: HSL 1900; Medium Notes: $t = 20.5\text{ C}$

Medium parameters used: $f = 1880\text{ MHz}$; $\sigma = 1.384\text{ mho/m}$; $\epsilon_r = 38.525$; $\rho = 1000\text{ kg/m}^3$

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3573
- ConvF(7.43, 7.43, 7.43); Calibrated: 2012-02-23;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn538; Calibrated: 2012-08-03
- Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1449
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.6 (6824)

LTE - Right/Tilt - Middle - QPSK - 20MHz - 1 RB - 100% offset/Area Scan (81x121x1): Interpolated grid: $dx=1.500\text{ mm}$, $dy=1.500\text{ mm}$

Maximum value of SAR (interpolated) = 0.367 W/kg

LTE - Right/Tilt - Middle - QPSK - 20MHz - 1 RB - 100% offset/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{ mm}$, $dy=7.5\text{ mm}$, $dz=5\text{ mm}$

Reference Value = 12.281 V/m

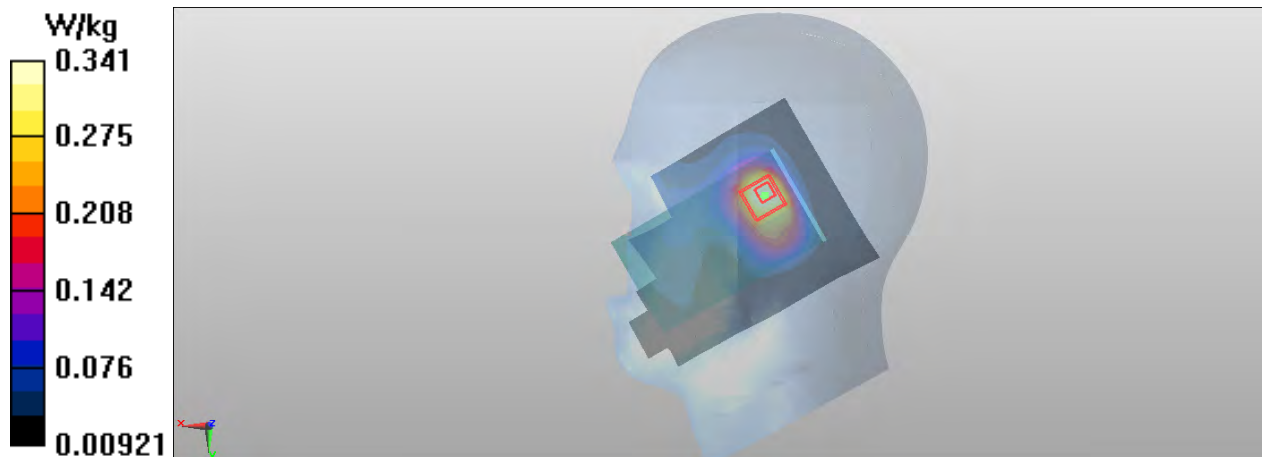
Peak SAR (extrapolated) = 0.486 mW/g

SAR(1 g) = 0.325 mW/g

SAR(10 g) = 0.205 mW/g

Power Drift = 0.04 dB

Maximum value of SAR (measured) = 0.341 W/kg



Date/Time: 2012-08-16 18:06:56

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976171/6

Communication System: LTE1900

Frequency: 1900 MHz; Duty Cycle: 1:1

Medium: HSL 1900; Medium Notes: $t = 20.5\text{ C}$

Medium parameters used: $f = 1900\text{ MHz}$; $\sigma = 1.379\text{ mho/m}$; $\epsilon_r = 38.618$; $\rho = 1000\text{ kg/m}^3$

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3573
- ConvF(7.43, 7.43, 7.43); Calibrated: 2012-02-23;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn538; Calibrated: 2012-08-03
- Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1449
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.6 (6824)

LTE - Left/Cheek - High - QPSK - 20MHz - 1 RB - 0% offset/Area Scan (81x121x1): Interpolated grid: $dx=1.500\text{ mm}$, $dy=1.500\text{ mm}$

Maximum value of SAR (interpolated) = 1.11 W/kg

LTE - Left/Cheek - High - QPSK - 20MHz - 1 RB - 0% offset/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

$dx=7.5\text{ mm}$, $dy=7.5\text{ mm}$, $dz=5\text{ mm}$

Reference Value = 6.558 V/m

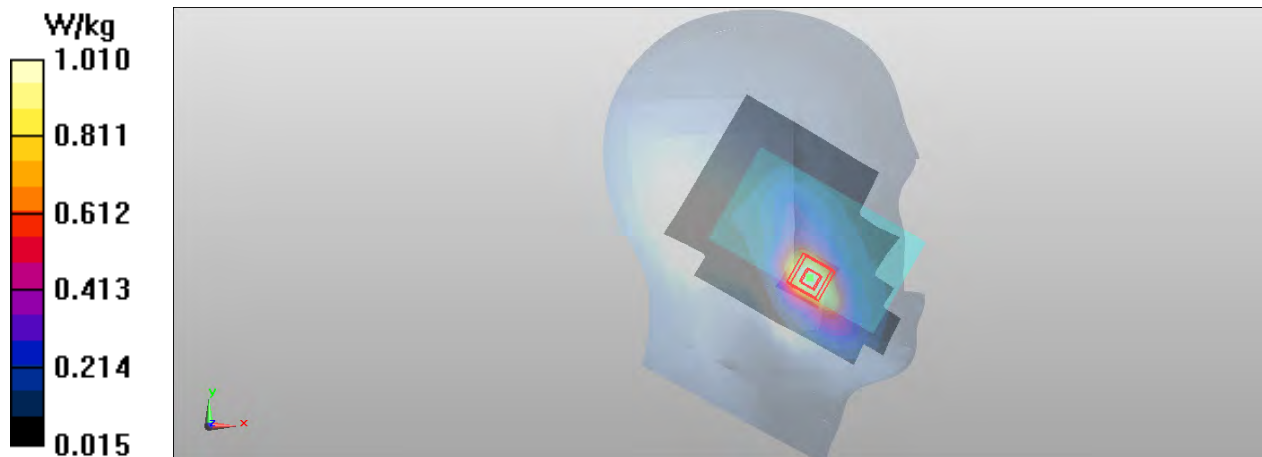
Peak SAR (extrapolated) = 1.408 mW/g

SAR(1 g) = 0.928 mW/g

SAR(10 g) = 0.575 mW/g

Power Drift = 0.34 dB

Maximum value of SAR (measured) = 1.01 W/kg



Date/Time: 2012-08-17 10:14:02

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976171/6

Communication System: LTE1900

Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: HSL 1900; Medium Notes: t= 20.5 C

Medium parameters used: f = 1880 MHz; σ = 1.384 mho/m; ϵ_r = 38.525; ρ = 1000 kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3573
- ConvF(7.43, 7.43, 7.43); Calibrated: 2012-02-23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn538; Calibrated: 2012-08-03
- Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1449
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.6 (6824)

LTE - Left/Tilt - Middle - QPSK - 20MHz - 1 RB - 0% offset/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.391 W/kg

LTE - Left/Tilt - Middle - QPSK - 20MHz - 1 RB - 0% offset/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 13.160 V/m

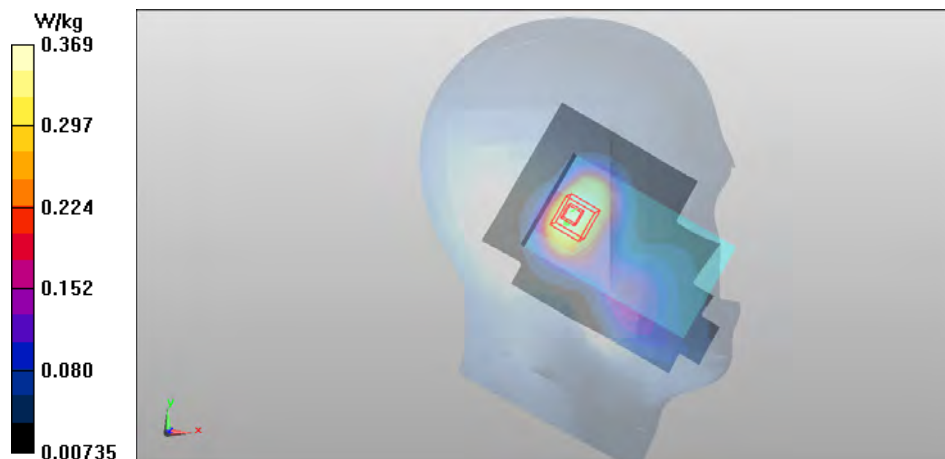
Peak SAR (extrapolated) = 0.519 mW/g

SAR(1 g) = 0.349 mW/g

SAR(10 g) = 0.230 mW/g

Power Drift = 0.04 dB

Maximum value of SAR (measured) = 0.369 W/kg



Date/Time: 2012-08-17 15:07:58

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976171/6

Communication System: LTE1900

Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: HSL 1900; Medium Notes: $t = 20.5$ C

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.384$ mho/m; $\epsilon_r = 38.525$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3573
- ConvF(7.43, 7.43, 7.43); Calibrated: 2012-02-23;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn538; Calibrated: 2012-08-03
- Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1449
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.6 (6824)

LTE - Right/Cheek - Middle - QPSK - 20MHz - 1 RB - 0% offset/Area Scan (81x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.568 W/kg

LTE - Right/Cheek - Middle - QPSK - 20MHz - 1 RB - 0% offset/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 6.388 V/m

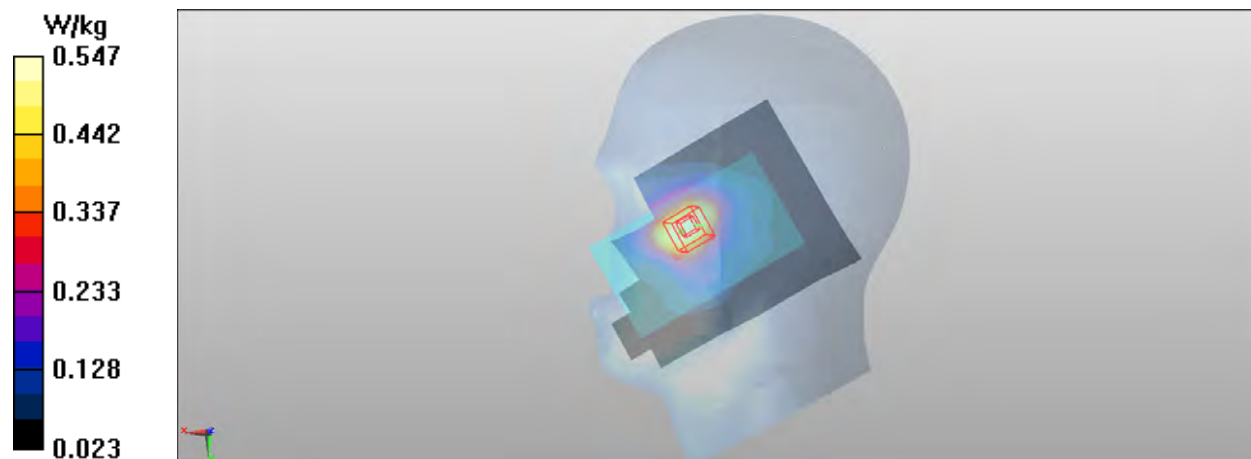
Peak SAR (extrapolated) = 0.752 mW/g

SAR(1 g) = 0.513 mW/g

SAR(10 g) = 0.333 mW/g

Power Drift = 0.28 dB

Maximum value of SAR (measured) = 0.547 W/kg



Date/Time: 2012-08-17 17:45:37

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976171/6

Communication System: LTE1900

Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: HSL 1900; Medium Notes: $t = 20.5$ C

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.384$ mho/m; $\epsilon_r = 38.525$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3573
- ConvF(7.43, 7.43, 7.43); Calibrated: 2012-02-23;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn538; Calibrated: 2012-08-03
- Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1449
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.6 (6824)

LTE - Right/Tilt - Middle - QPSK - 20MHz - 1 RB - 0% offset/Area Scan (81x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.353 W/kg

LTE - Right/Tilt - Middle - QPSK - 20MHz - 1 RB - 0% offset/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

$dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 11.680 V/m

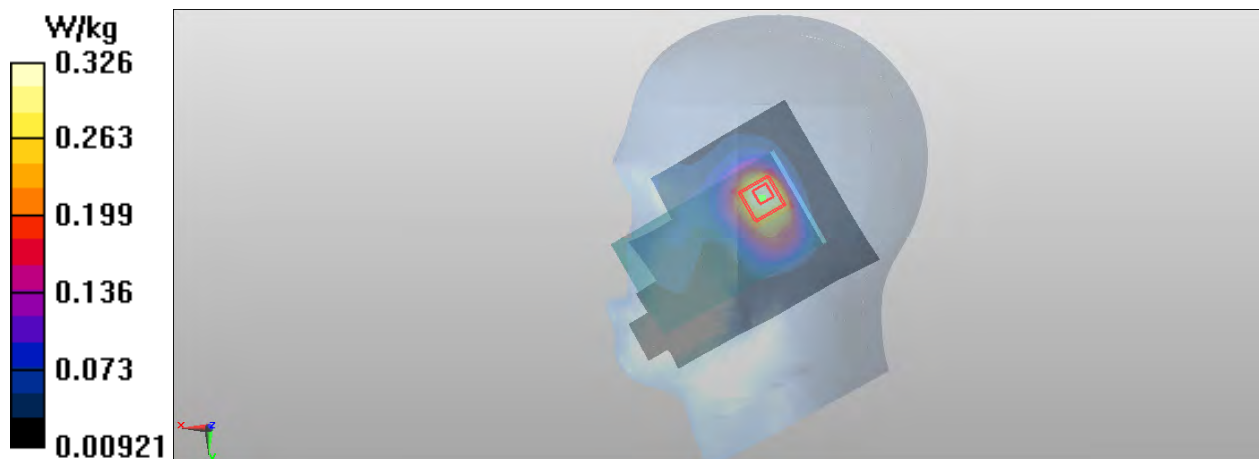
Peak SAR (extrapolated) = 0.453 mW/g

SAR(1 g) = 0.310 mW/g

SAR(10 g) = 0.196 mW/g

Power Drift = 0.01 dB

Maximum value of SAR (measured) = 0.326 W/kg



Date/Time: 2012-08-16 18:34:44

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976171/6

Communication System: LTE1900

Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: HSL 1900; Medium Notes: $t = 20.5$ C

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.362$ mho/m; $\epsilon_r = 38.7$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3573
- ConvF(7.43, 7.43, 7.43); Calibrated: 2012-02-23;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn538; Calibrated: 2012-08-03
- Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1449
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.6 (6824)

LTE - Left/Cheek - Middle - 16QAM - 20MHz - 100% RB/Area Scan (81x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.859 W/kg

LTE - Left/Cheek - Middle - 16QAM - 20MHz - 100% RB/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

$dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 5.576 V/m

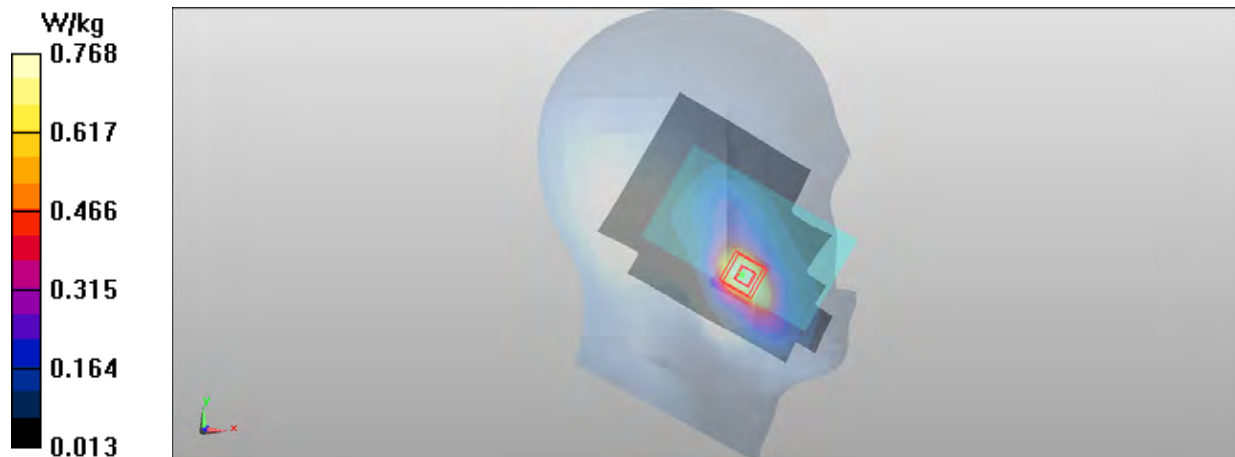
Peak SAR (extrapolated) = 1.079 mW/g

SAR(1 g) = 0.714 mW/g

SAR(10 g) = 0.443 mW/g

Power Drift = 0.16 dB

Maximum value of SAR (measured) = 0.768 W/kg



Date/Time: 2012-08-17 10:42:19

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976171/6

Communication System: LTE1900

Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: HSL 1900; Medium Notes: $t = 20.5\text{ C}$

Medium parameters used: $f = 1880\text{ MHz}$; $\sigma = 1.384\text{ mho/m}$; $\epsilon_r = 38.525$; $\rho = 1000\text{ kg/m}^3$

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3573
- ConvF(7.43, 7.43, 7.43); Calibrated: 2012-02-23;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn538; Calibrated: 2012-08-03
- Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1449
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.6 (6824)

LTE - Left/Tilt - Middle - 16QAM - 20MHz - 100% RB/Area Scan (81x121x1): Interpolated grid: $dx=1.500\text{ mm}$, $dy=1.500\text{ mm}$

Maximum value of SAR (interpolated) = 0.294 W/kg

LTE - Left/Tilt - Middle - 16QAM - 20MHz - 100% RB/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 11.339 V/m

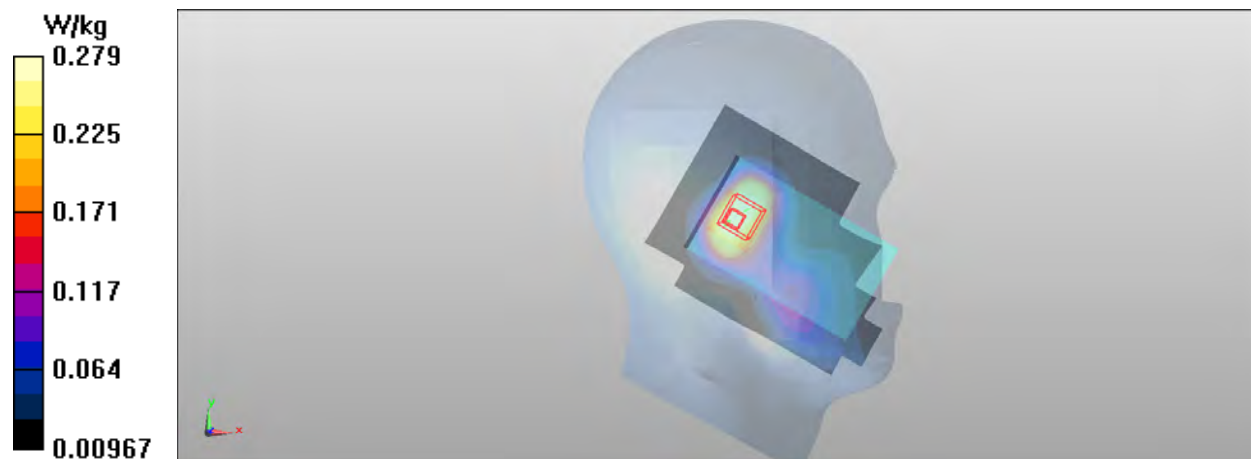
Peak SAR (extrapolated) = 0.390 mW/g

SAR(1 g) = 0.264 mW/g

SAR(10 g) = 0.173 mW/g

Power Drift = 0.07 dB

Maximum value of SAR (measured) = 0.279 W/kg



Date/Time: 2012-08-17 15:30:02

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976171/6

Communication System: LTE1900

Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: HSL 1900; Medium Notes: $t = 20.5\text{ C}$

Medium parameters used: $f = 1880\text{ MHz}$; $\sigma = 1.384\text{ mho/m}$; $\epsilon_r = 38.525$; $\rho = 1000\text{ kg/m}^3$

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3573
- ConvF(7.43, 7.43, 7.43); Calibrated: 2012-02-23;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn538; Calibrated: 2012-08-03
- Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1449
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.6 (6824)

LTE - Right/Cheek - Middle - 16QAM - 20MHz - 100% RB/Area Scan (81x121x1): Interpolated grid: $dx=1.500\text{ mm}$, $dy=1.500\text{ mm}$

Maximum value of SAR (interpolated) = 0.400 W/kg

LTE - Right/Cheek - Middle - 16QAM - 20MHz - 100% RB/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

$dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 5.897 V/m

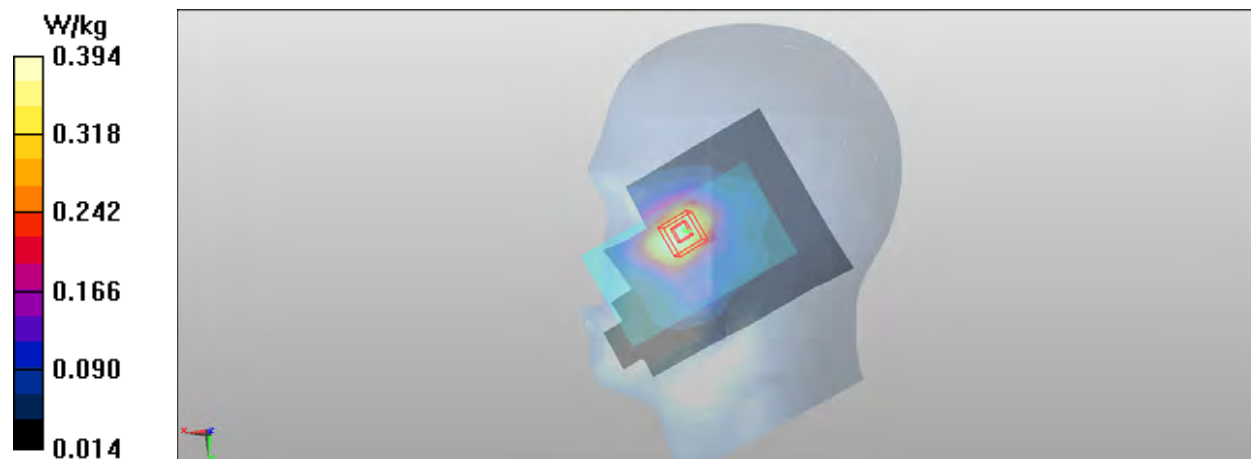
Peak SAR (extrapolated) = 0.547 mW/g

SAR(1 g) = 0.368 mW/g

SAR(10 g) = 0.239 mW/g

Power Drift = 0.12 dB

Maximum value of SAR (measured) = 0.394 W/kg



Date/Time: 2012-08-17 17:59:52

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976171/6

Communication System: LTE1900

Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: HSL 1900; Medium Notes: $t = 20.5\text{ C}$

Medium parameters used: $f = 1880\text{ MHz}$; $\sigma = 1.384\text{ mho/m}$; $\epsilon_r = 38.525$; $\rho = 1000\text{ kg/m}^3$

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3573
- ConvF(7.43, 7.43, 7.43); Calibrated: 2012-02-23;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn538; Calibrated: 2012-08-03
- Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1449
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.6 (6824)

LTE - Right/Tilt - Middle - 16QAM - 20MHz - 100% RB/Area Scan (81x121x1): Interpolated grid: $dx=1.500\text{ mm}$, $dy=1.500\text{ mm}$

Maximum value of SAR (interpolated) = 0.269 W/kg

LTE - Right/Tilt - Middle - 16QAM - 20MHz - 100% RB/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

$dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 10.199 V/m

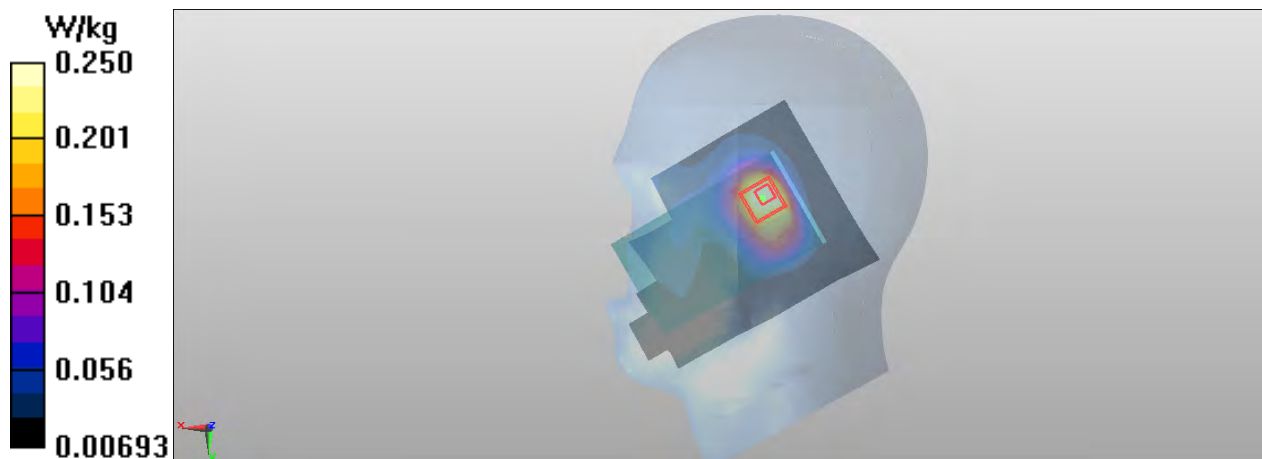
Peak SAR (extrapolated) = 0.354 mW/g

SAR(1 g) = 0.237 mW/g

SAR(10 g) = 0.150 mW/g

Power Drift = 0.12 dB

Maximum value of SAR (measured) = 0.250 W/kg



Date/Time: 2012-08-16 18:50:53

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976171/6

Communication System: LTE1900

Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: HSL 1900; Medium Notes: $t = 20.5\text{ C}$

Medium parameters used: $f = 1880\text{ MHz}$; $\sigma = 1.362\text{ mho/m}$; $\epsilon_r = 38.7$; $\rho = 1000\text{ kg/m}^3$

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3573
- ConvF(7.43, 7.43, 7.43); Calibrated: 2012-02-23;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn538; Calibrated: 2012-08-03
- Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1449
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.6 (6824)

LTE - Left/Cheek - Middle - 16QAM - 20MHz - 50% RB - 50% offset/Area Scan (81x121x1): Interpolated grid:
 $dx=1.500\text{ mm}$, $dy=1.500\text{ mm}$

Maximum value of SAR (interpolated) = 0.877 W/kg

LTE - Left/Cheek - Middle - 16QAM - 20MHz - 50% RB - 50% offset/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 5.570 V/m

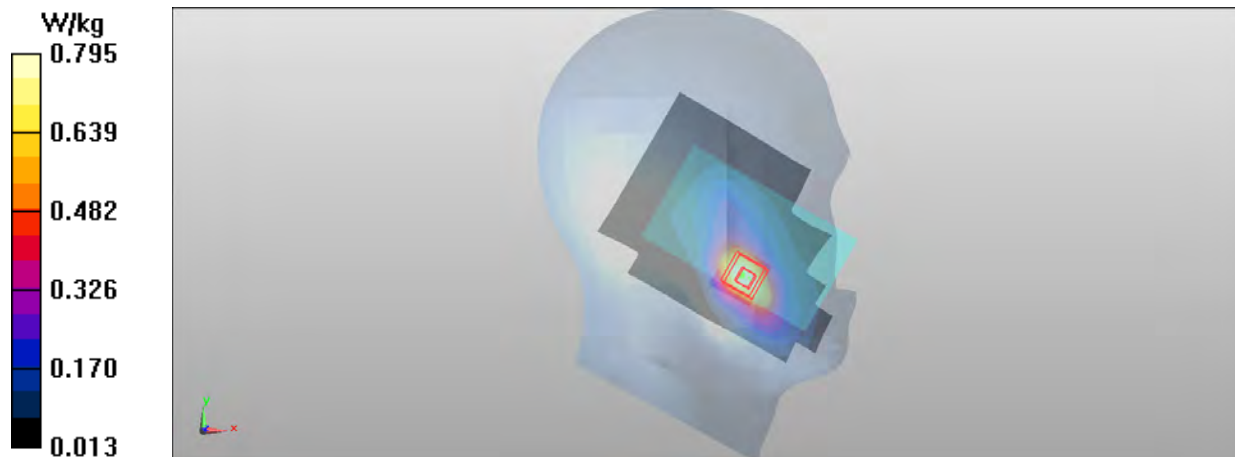
Peak SAR (extrapolated) = 1.136 mW/g

SAR(1 g) = 0.734 mW/g

SAR(10 g) = 0.450 mW/g

Power Drift = 0.27 dB

Maximum value of SAR (measured) = 0.795 W/kg



Date/Time: 2012-08-17 11:46:51

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976171/6

Communication System: LTE1900

Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: HSL 1900; Medium Notes: $t = 20.5\text{ C}$

Medium parameters used: $f = 1880\text{ MHz}$; $\sigma = 1.384\text{ mho/m}$; $\epsilon_r = 38.525$; $\rho = 1000\text{ kg/m}^3$

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3573
- ConvF(7.43, 7.43, 7.43); Calibrated: 2012-02-23;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn538; Calibrated: 2012-08-03
- Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1449
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.6 (6824)

LTE - Left/Tilt - Middle - 16QAM - 20MHz - 50% RB - 50% offset/Area Scan (81x121x1): Interpolated grid:

$dx=1.500\text{ mm}$, $dy=1.500\text{ mm}$

Maximum value of SAR (interpolated) = 0.295 W/kg

LTE - Left/Tilt - Middle - 16QAM - 20MHz - 50% RB - 50% offset/Zoom Scan (6x6x7)/Cube 0: Measurement grid:

$dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 11.421 V/m

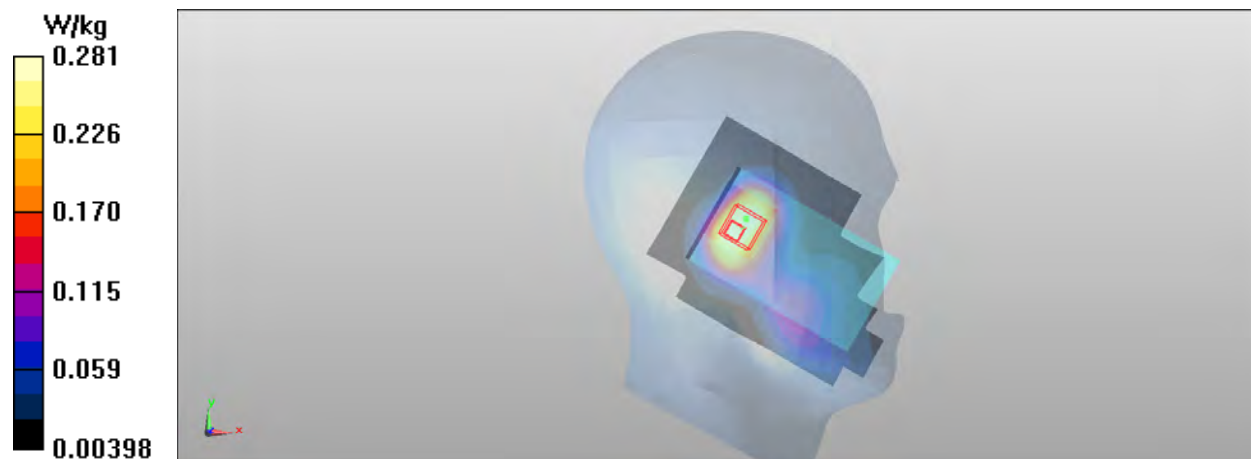
Peak SAR (extrapolated) = 0.401 mW/g

SAR(1 g) = 0.267 mW/g

SAR(10 g) = 0.175 mW/g

Power Drift = 0.04 dB

Maximum value of SAR (measured) = 0.281 W/kg



Date/Time: 2012-08-17 15:44:30

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976171/6

Communication System: LTE1900

Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: HSL 1900; Medium Notes: $t = 20.5\text{ C}$

Medium parameters used: $f = 1880\text{ MHz}$; $\sigma = 1.384\text{ mho/m}$; $\epsilon_r = 38.525$; $\rho = 1000\text{ kg/m}^3$

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3573
- ConvF(7.43, 7.43, 7.43); Calibrated: 2012-02-23;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn538; Calibrated: 2012-08-03
- Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1449
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.6 (6824)

LTE - Right/Cheek - Middle - 16QAM - 20MHz - 50% RB - 50% offset/Area Scan (81x121x1): Interpolated grid:
 $dx=1.500\text{ mm}$, $dy=1.500\text{ mm}$

Maximum value of SAR (interpolated) = 0.406 W/kg

LTE - Right/Cheek - Middle - 16QAM - 20MHz - 50% RB - 50% offset/Zoom Scan (5x5x7)/Cube 0: Measurement
grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

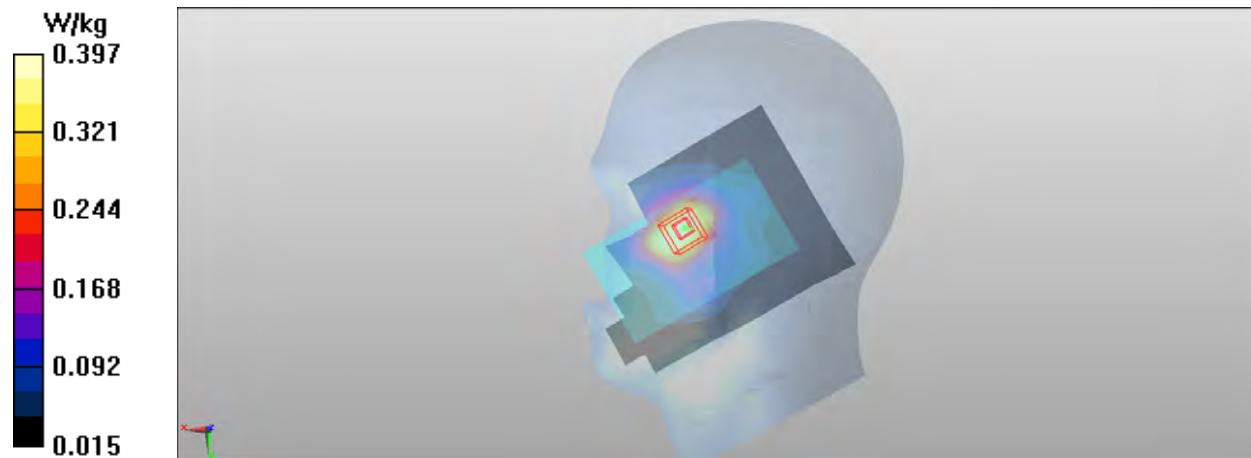
Reference Value = 5.915 V/m

Peak SAR (extrapolated) = 0.552 mW/g

SAR(1 g) = 0.371 mW/g

SAR(10 g) = 0.241 mW/g

Maximum value of SAR (measured) = 0.397 W/kg



Date/Time: 2012-08-17 18:14:00

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976171/6

Communication System: LTE1900

Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: HSL 1900; Medium Notes: $t = 20.5\text{ C}$

Medium parameters used: $f = 1880\text{ MHz}$; $\sigma = 1.384\text{ mho/m}$; $\epsilon_r = 38.525$; $\rho = 1000\text{ kg/m}^3$

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3573
- ConvF(7.43, 7.43, 7.43); Calibrated: 2012-02-23;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn538; Calibrated: 2012-08-03
- Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1449
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.6 (6824)

LTE - Right/Tilt - Middle - 16QAM - 20MHz - 50% RB - 50% offset/Area Scan (81x121x1): Interpolated grid:

$dx=1.500\text{ mm}$, $dy=1.500\text{ mm}$

Maximum value of SAR (interpolated) = 0.277 W/kg

LTE - Right/Tilt - Middle - 16QAM - 20MHz - 50% RB - 50% offset/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

$dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 10.417 V/m

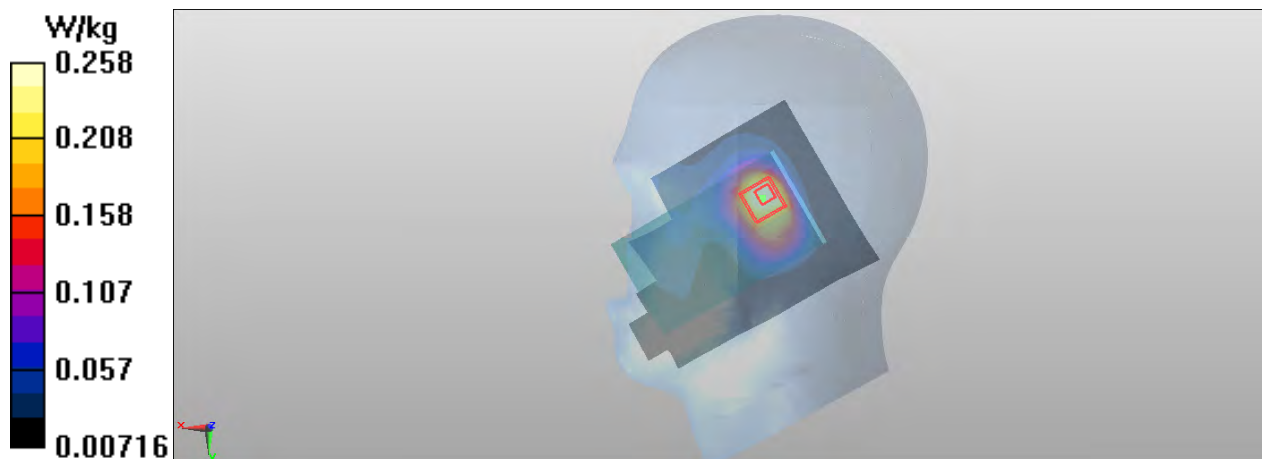
Peak SAR (extrapolated) = 0.362 mW/g

SAR(1 g) = 0.245 mW/g

SAR(10 g) = 0.155 mW/g

Power Drift = 0.11 dB

Maximum value of SAR (measured) = 0.258 W/kg



Date/Time: 2012-08-16 19:06:01

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976171/6

Communication System: LTE1900

Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: HSL 1900; Medium Notes: $t = 20.5\text{ C}$

Medium parameters used: $f = 1880\text{ MHz}$; $\sigma = 1.362\text{ mho/m}$; $\epsilon_r = 38.7$; $\rho = 1000\text{ kg/m}^3$

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3573
- ConvF(7.43, 7.43, 7.43); Calibrated: 2012-02-23;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn538; Calibrated: 2012-08-03
- Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1449
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.6 (6824)

LTE - Left/Cheek - Middle - 16QAM - 20MHz - 1 RB - 50% offset/Area Scan (81x121x1): Interpolated grid:

$dx=1.500\text{ mm}$, $dy=1.500\text{ mm}$

Maximum value of SAR (interpolated) = 0.934 W/kg

LTE - Left/Cheek - Middle - 16QAM - 20MHz - 1 RB - 50% offset/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

$dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 5.840 V/m

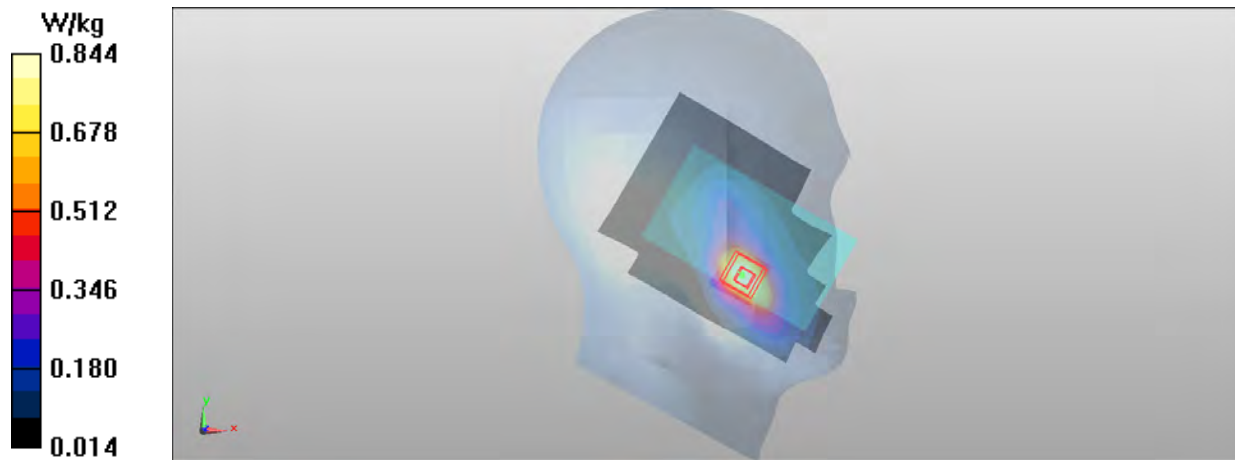
Peak SAR (extrapolated) = 1.178 mW/g

SAR(1 g) = 0.775 mW/g

SAR(10 g) = 0.479 mW/g

Power Drift = 0.12 dB

Maximum value of SAR (measured) = 0.844 W/kg



Date/Time: 2012-08-17 12:03:12

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976171/6

Communication System: LTE1900

Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: HSL 1900; Medium Notes: $t = 20.5$ C

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.384$ mho/m; $\epsilon_r = 38.525$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3573
- ConvF(7.43, 7.43, 7.43); Calibrated: 2012-02-23;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn538; Calibrated: 2012-08-03
- Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1449
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.6 (6824)

LTE - Left/Tilt - Middle - 16QAM - 20MHz - 1 RB - 50% offset/Area Scan (81x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.317 W/kg

LTE - Left/Tilt - Middle - 16QAM - 20MHz - 1 RB - 50% offset/Zoom Scan (6x6x7)/Cube 0: Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 11.759 V/m

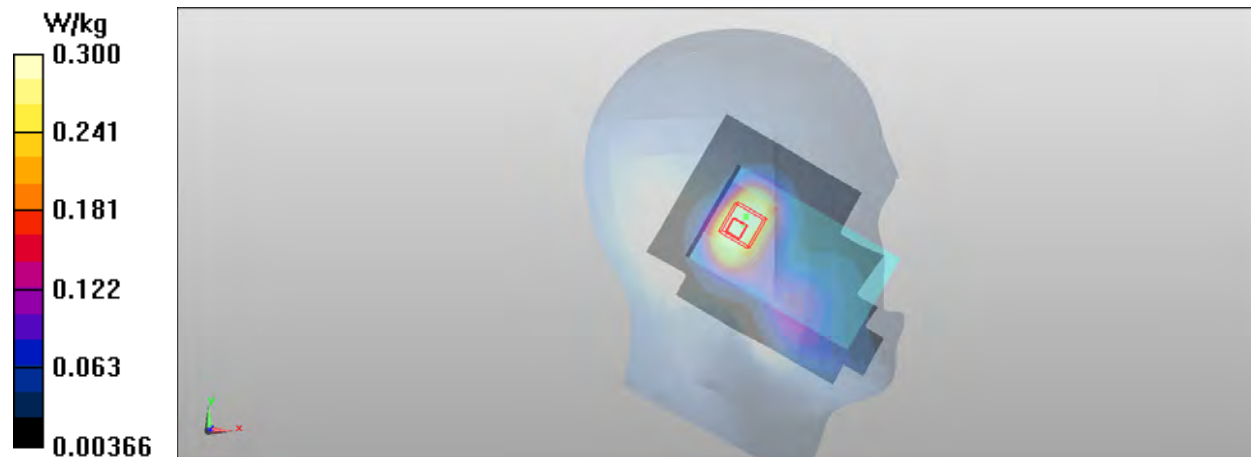
Peak SAR (extrapolated) = 0.425 mW/g

SAR(1 g) = 0.285 mW/g

SAR(10 g) = 0.186 mW/g

Power Drift = 0.03 dB

Maximum value of SAR (measured) = 0.300 W/kg



Date/Time: 2012-08-17 16:01:31

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976171/6

Communication System: LTE1900

Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: HSL 1900; Medium Notes: $t = 20.5$ C

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.384$ mho/m; $\epsilon_r = 38.525$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3573
- ConvF(7.43, 7.43, 7.43); Calibrated: 2012-02-23;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn538; Calibrated: 2012-08-03
- Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1449
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.6 (6824)

LTE - Right/Cheek - Middle - 16QAM - 20MHz - 1 RB - 50% offset/Area Scan (81x121x1): Interpolated grid:

$dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.432 W/kg

LTE - Right/Cheek - Middle - 16QAM - 20MHz - 1 RB - 50% offset/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

$dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 6.078 V/m

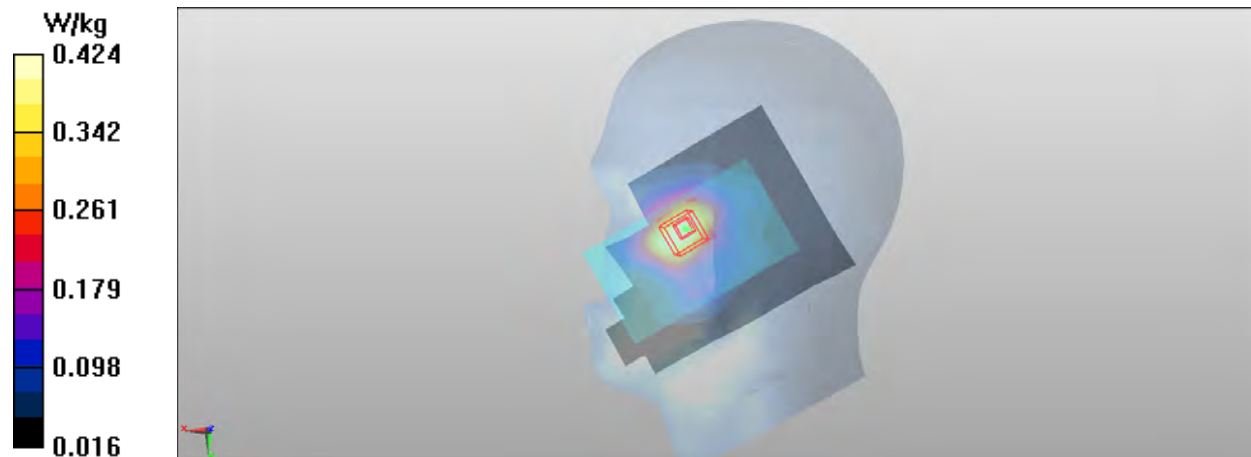
Peak SAR (extrapolated) = 0.593 mW/g

SAR(1 g) = 0.395 mW/g

SAR(10 g) = 0.258 mW/g

Power Drift = 0.29 dB

Maximum value of SAR (measured) = 0.424 W/kg



Date/Time: 2012-08-17 19:04:04

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976171/6

Communication System: LTE1900

Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: HSL 1900; Medium Notes: $t = 20.5$ C

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.384$ mho/m; $\epsilon_r = 38.525$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3573
- ConvF(7.43, 7.43, 7.43); Calibrated: 2012-02-23;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn538; Calibrated: 2012-08-03
- Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1449
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.6 (6824)

LTE - Right/Tilt - Middle - 16QAM - 20MHz - 1 RB - 50% offset/Area Scan (81x121x1): Interpolated grid:

$dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.305 W/kg

LTE - Right/Tilt - Middle - 16QAM - 20MHz - 1 RB - 50% offset/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

$dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 11.358 V/m

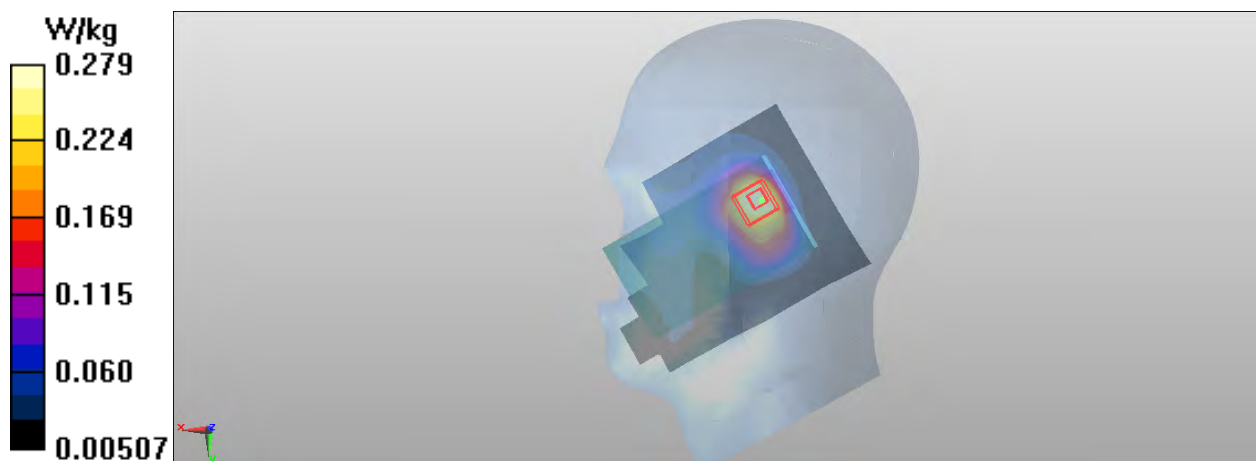
Peak SAR (extrapolated) = 0.394 mW/g

SAR(1 g) = 0.262 mW/g

SAR(10 g) = 0.166 mW/g

Power Drift = 0.02 dB

Maximum value of SAR (measured) = 0.279 W/kg



Date/Time: 2012-08-16 19:20:49

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976171/6

Communication System: LTE1900

Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: HSL 1900; Medium Notes: $t = 20.5$ C

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.362$ mho/m; $\epsilon_r = 38.7$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3573
- ConvF(7.43, 7.43, 7.43); Calibrated: 2012-02-23;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn538; Calibrated: 2012-08-03
- Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1449
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.6 (6824)

LTE - Left/Cheek - Middle - 16QAM - 20MHz - 1 RB - 100% offset/Area Scan (81x121x1): Interpolated grid:

$dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.974 W/kg

LTE - Left/Cheek - Middle - 16QAM - 20MHz - 1 RB - 100% offset/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

$dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 6.011 V/m

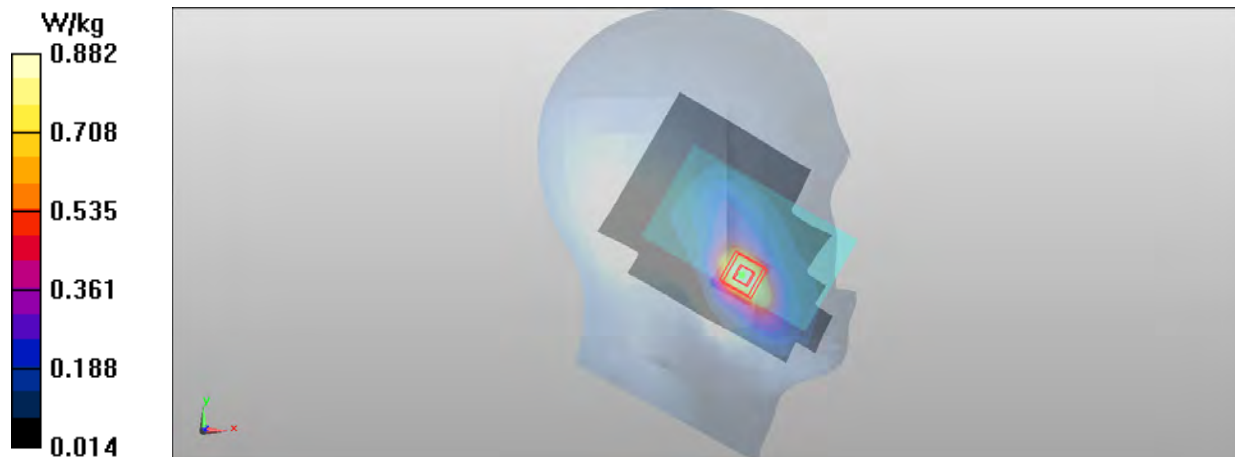
Peak SAR (extrapolated) = 1.220 mW/g

SAR(1 g) = 0.808 mW/g

SAR(10 g) = 0.497 mW/g

Power Drift = 0.08 dB

Maximum value of SAR (measured) = 0.882 W/kg



Date/Time: 2012-08-17 12:26:58

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976171/6

Communication System: LTE1900

Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: HSL 1900; Medium Notes: $t = 20.5$ C

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.384$ mho/m; $\epsilon_r = 38.525$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3573
- ConvF(7.43, 7.43, 7.43); Calibrated: 2012-02-23;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn538; Calibrated: 2012-08-03
- Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1449
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.6 (6824)

LTE - Left/Tilt - Middle - 16QAM - 20MHz - 1 RB - 100% offset/Area Scan (81x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.337 W/kg

LTE - Left/Tilt - Middle - 16QAM - 20MHz - 1 RB - 100% offset/Zoom Scan (6x6x7)/Cube 0: Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 12.031 V/m

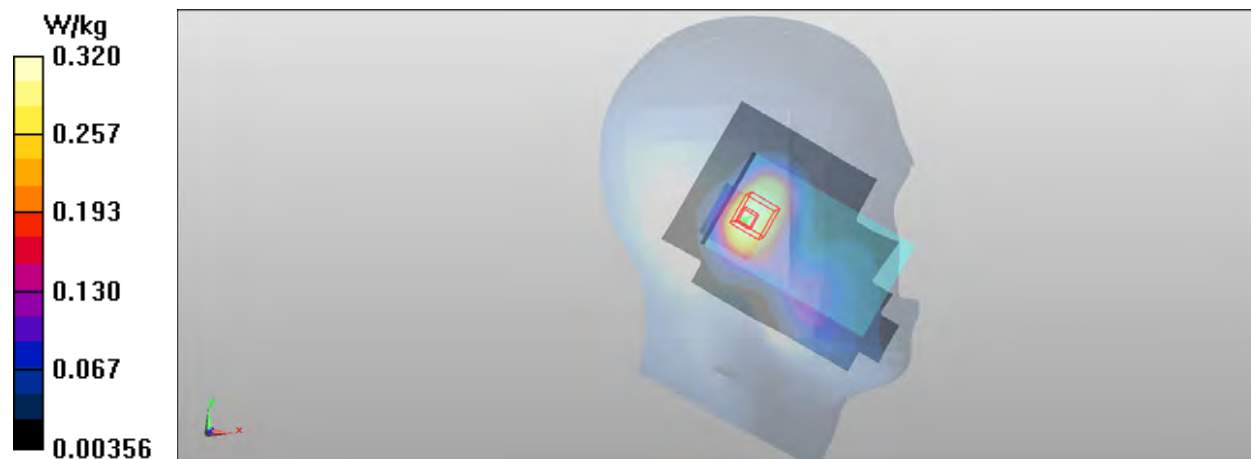
Peak SAR (extrapolated) = 0.443 mW/g

SAR(1 g) = 0.297 mW/g

SAR(10 g) = 0.192 mW/g

Power Drift = 0.05 dB

Maximum value of SAR (measured) = 0.320 W/kg



Date/Time: 2012-08-17 16:15:37

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976171/6

Communication System: LTE1900

Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: HSL 1900; Medium Notes: $t = 20.5\text{ C}$

Medium parameters used: $f = 1880\text{ MHz}$; $\sigma = 1.384\text{ mho/m}$; $\epsilon_r = 38.525$; $\rho = 1000\text{ kg/m}^3$

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3573
- ConvF(7.43, 7.43, 7.43); Calibrated: 2012-02-23;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn538; Calibrated: 2012-08-03
- Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1449
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.6 (6824)

LTE - Right/Cheek - Middle - 16QAM - 20MHz - 1 RB - 100% offset/Area Scan (81x121x1): Interpolated grid:
 $dx=1.500\text{ mm}$, $dy=1.500\text{ mm}$

Maximum value of SAR (interpolated) = 0.455 W/kg

LTE - Right/Cheek - Middle - 16QAM - 20MHz - 1 RB - 100% offset/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 6.402 V/m

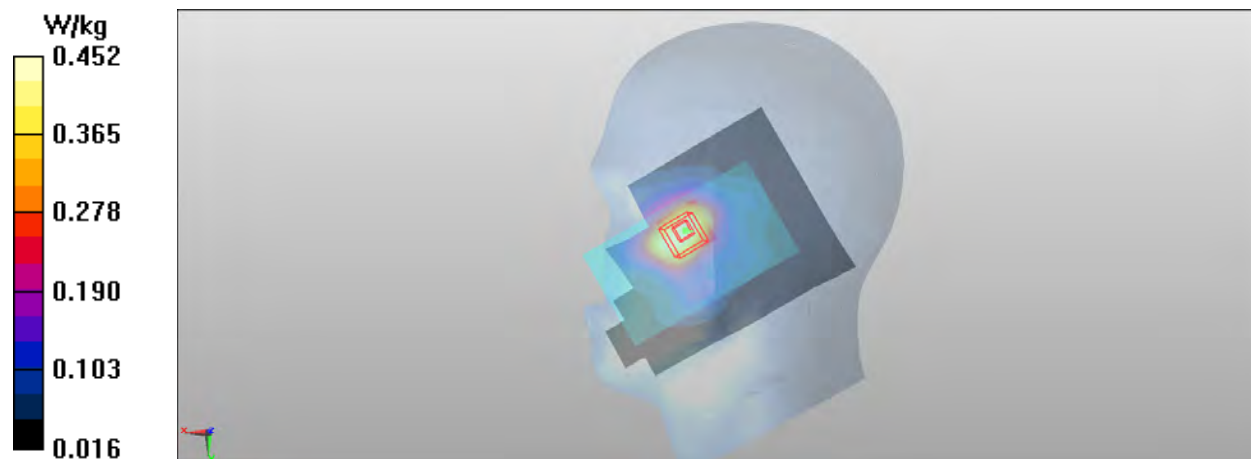
Peak SAR (extrapolated) = 0.622 mW/g

SAR(1 g) = 0.420 mW/g

SAR(10 g) = 0.272 mW/g

Power Drift = 0.20 dB

Maximum value of SAR (measured) = 0.452 W/kg



Date/Time: 2012-08-17 19:27:31

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976171/6

Communication System: LTE1900

Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: HSL 1900; Medium Notes: $t = 20.5$ C

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.384$ mho/m; $\epsilon_r = 38.525$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3573
- ConvF(7.43, 7.43, 7.43); Calibrated: 2012-02-23;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn538; Calibrated: 2012-08-03
- Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1449
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.6 (6824)

LTE - Right/Tilt - Middle - 16QAM - 20MHz - 1 RB - 100% offset/Area Scan (81x121x1): Interpolated grid:

$dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.286 W/kg

LTE - Right/Tilt - Middle - 16QAM - 20MHz - 1 RB - 100% offset/Zoom Scan (6x6x7)/Cube 0: Measurement grid:

$dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 11.328 V/m

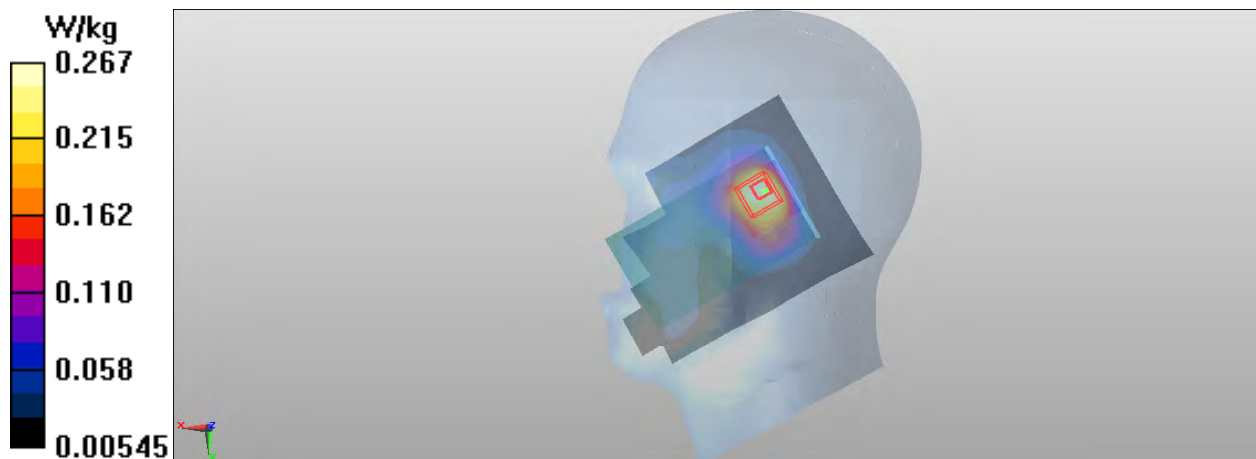
Peak SAR (extrapolated) = 0.376 mW/g

SAR(1 g) = 0.250 mW/g

SAR(10 g) = 0.159 mW/g

Power Drift = 0.01 dB

Maximum value of SAR (measured) = 0.267 W/kg



Date/Time: 2012-08-16 20:08:10

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976171/6

Communication System: LTE1900

Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: HSL 1900; Medium Notes: $t = 20.5\text{ C}$

Medium parameters used: $f = 1880\text{ MHz}$; $\sigma = 1.362\text{ mho/m}$; $\epsilon_r = 38.7$; $\rho = 1000\text{ kg/m}^3$

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3573
- ConvF(7.43, 7.43, 7.43); Calibrated: 2012-02-23;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn538; Calibrated: 2012-08-03
- Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1449
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.6 (6824)

LTE - Left/Cheek - Middle - 16QAM - 20MHz - 1 RB - 0% offset/Area Scan (81x121x1): Interpolated grid:

$dx=1.500\text{ mm}$, $dy=1.500\text{ mm}$

Maximum value of SAR (interpolated) = 0.819 W/kg

LTE - Left/Cheek - Middle - 16QAM - 20MHz - 1 RB - 0% offset/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

$dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 5.796 V/m

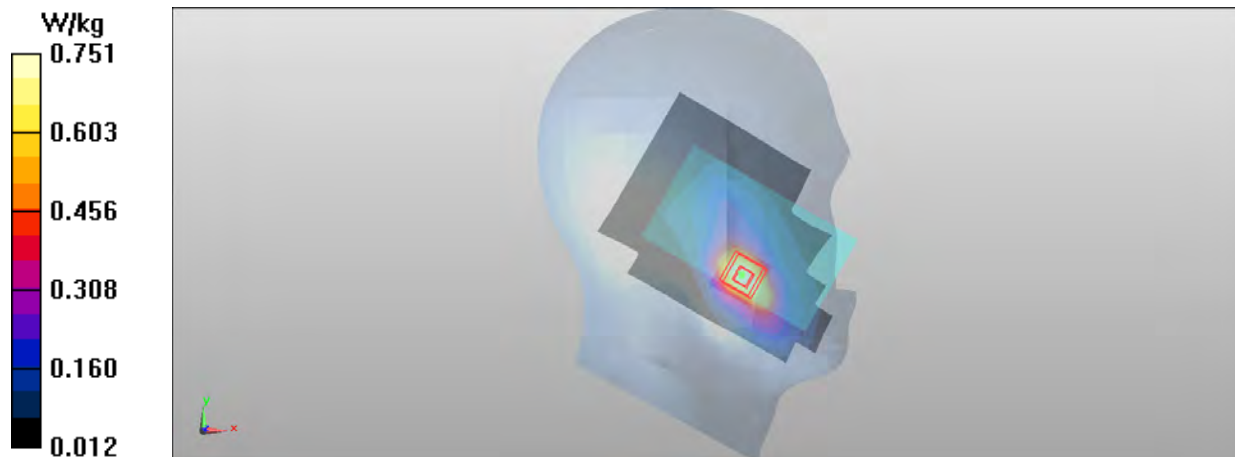
Peak SAR (extrapolated) = 1.045 mW/g

SAR(1 g) = 0.690 mW/g

SAR(10 g) = 0.429 mW/g

Power Drift = 0.35 dB

Maximum value of SAR (measured) = 0.751 W/kg



Date/Time: 2012-08-17 20:10:35

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976171/6

Communication System: LTE1900

Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: HSL 1900; Medium Notes: $t = 20.5$ C

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.384$ mho/m; $\epsilon_r = 38.525$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3573
- ConvF(7.43, 7.43, 7.43); Calibrated: 2012-02-23;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn538; Calibrated: 2012-08-03
- Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1449
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.6 (6824)

LTE - Left/Tilt - Middle - 16QAM - 20MHz - 1 RB - 0% offset/Area Scan (81x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.267 W/kg

LTE - Left/Tilt - Middle - 16QAM - 20MHz - 1 RB - 0% offset/Zoom Scan (6x6x7)/Cube 0: Measurement grid:

$dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 9.436 V/m

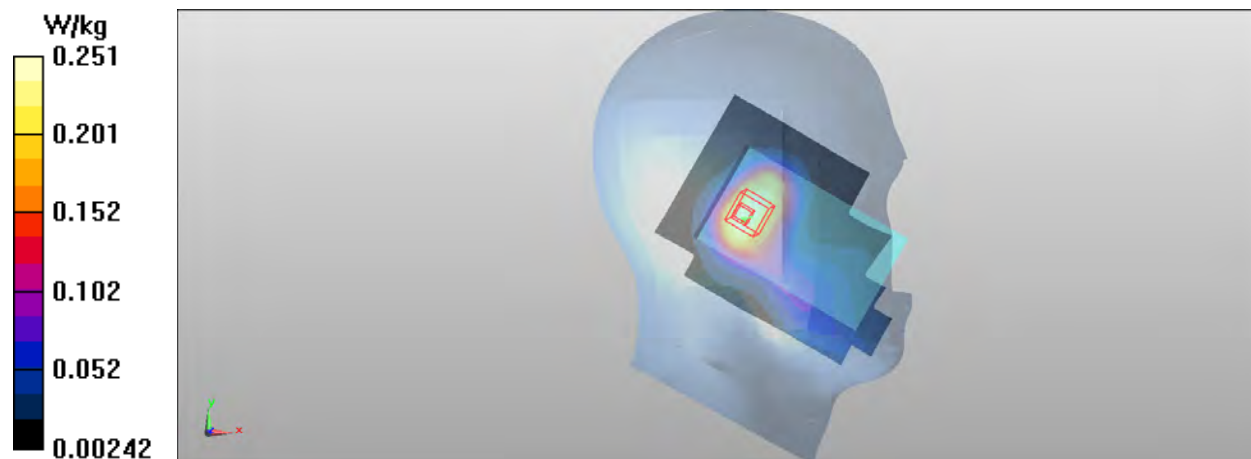
Peak SAR (extrapolated) = 0.365 mW/g

SAR(1 g) = 0.239 mW/g

SAR(10 g) = 0.153 mW/g

Power Drift = 0.11 dB

Maximum value of SAR (measured) = 0.251 W/kg



Date/Time: 2012-08-17 16:29:43

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976171/6

Communication System: LTE1900

Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: HSL 1900; Medium Notes: $t = 20.5$ C

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.384$ mho/m; $\epsilon_r = 38.525$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3573
- ConvF(7.43, 7.43, 7.43); Calibrated: 2012-02-23;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn538; Calibrated: 2012-08-03
- Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1449
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.6 (6824)

LTE - Right/Cheek - Middle - 16QAM - 20MHz - 1 RB - 0% offset/Area Scan (81x121x1): Interpolated grid:

$dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.388 W/kg

LTE - Right/Cheek - Middle - 16QAM - 20MHz - 1 RB - 0% offset/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

$dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 5.706 V/m

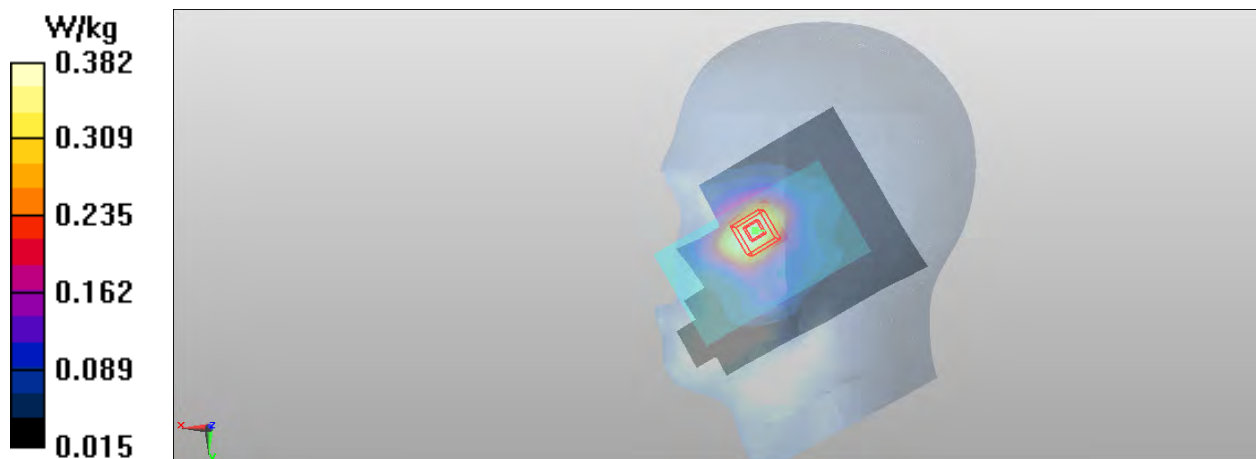
Peak SAR (extrapolated) = 0.529 mW/g

SAR(1 g) = 0.356 mW/g

SAR(10 g) = 0.232 mW/g

Power Drift = 0.33 dB

Maximum value of SAR (measured) = 0.382 W/kg



Date/Time: 2012-08-17 19:46:43

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976171/6

Communication System: LTE1900

Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: HSL 1900; Medium Notes: $t = 20.5$ C

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.384$ mho/m; $\epsilon_r = 38.525$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3573
- ConvF(7.43, 7.43, 7.43); Calibrated: 2012-02-23;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn538; Calibrated: 2012-08-03
- Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1449
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.6 (6824)

LTE - Right/Tilt - Middle - 16QAM - 20MHz - 1 RB - 0% offset/Area Scan (81x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.260 W/kg

LTE - Right/Tilt - Middle - 16QAM - 20MHz - 1 RB - 0% offset/Zoom Scan (6x6x7)/Cube 0: Measurement grid:

$dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 10.547 V/m

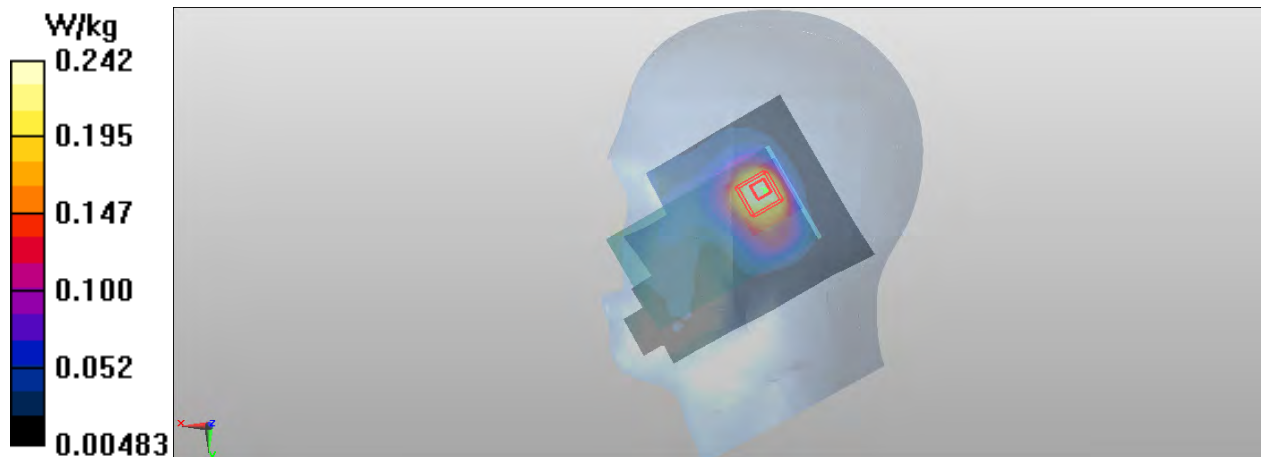
Peak SAR (extrapolated) = 0.344 mW/g

SAR(1 g) = 0.229 mW/g

SAR(10 g) = 0.146 mW/g

Power Drift = 0.06 dB

Maximum value of SAR (measured) = 0.242 W/kg



Date/Time: 2012-08-17 20:49:26

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976171/6

Communication System: LTE1900

Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: HSL 1900; Medium Notes: t= 20.5 C

Medium parameters used: f = 1880 MHz; $\sigma = 1.384$ mho/m; $\epsilon_r = 38.525$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3573
- ConvF(7.43, 7.43, 7.43); Calibrated: 2012-02-23;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn538; Calibrated: 2012-08-03
- Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1449
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.6 (6824)

LTE - Left/Cheek - Middle - QPSK - 20MHz - 1 RB - 100% offset - Cover CC-3401/Area Scan (81x121x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.24 W/kg

LTE - Left/Cheek - Middle - QPSK - 20MHz - 1 RB - 100% offset - Cover CC-3401/Zoom Scan (5x5x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 6.162 V/m

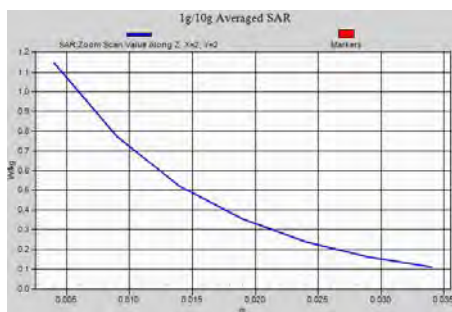
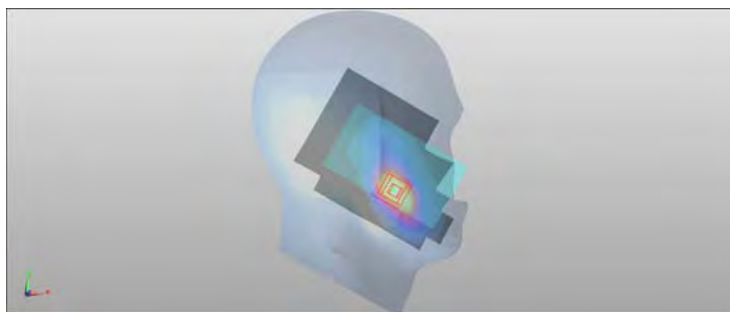
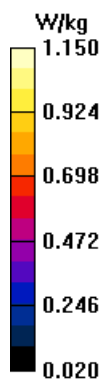
Peak SAR (extrapolated) = 1.613 mW/g

SAR(1 g) = 1.06 mW/g

SAR(10 g) = 0.653 mW/g

Power Drift = -0.11 dB

Maximum value of SAR (measured) = 1.15 W/kg



Date/Time: 2012-07-02 11:04:44

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976064/3

Communication System: WLAN2450 b-mode

Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: HSL2450; Medium Notes: $t = 21.1$ C

Medium parameters used: $f = 2437$ MHz; $\sigma = 1.758$ mho/m; $\epsilon_r = 37.942$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3573
- ConvF(6.52, 6.52, 6.52); Calibrated: 2012-02-23;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn793; Calibrated: 2011-09-16
- Phantom: SAM 4; Type: Twin SAM 040 CA; Serial: TP-1018
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.5 (6469)

WLAN - Left/Cheek - Middle/Area Scan (121x181x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (interpolated) = 0.780 mW/g

WLAN - Left/Cheek - Middle/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 8.807 V/m

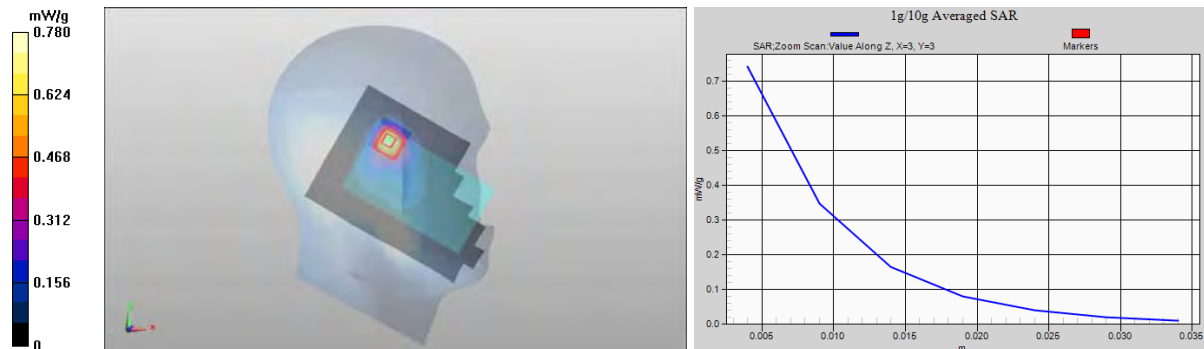
Peak SAR (extrapolated) = 1.450 mW/g

SAR(1 g) = 0.668 mW/g

SAR(10 g) = 0.320 mW/g

Power Drift = 0.11 dB

Maximum value of SAR (measured) = 0.741 mW/g



Date/Time: 2012-07-02 12:47:15

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976064/3

Communication System: WLAN2450 b-mode

Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: HSL2450; Medium Notes: $t = 21.1$ C

Medium parameters used: $f = 2437$ MHz; $\sigma = 1.758$ mho/m; $\epsilon_r = 37.942$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3573
- ConvF(6.52, 6.52, 6.52); Calibrated: 2012-02-23;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn793; Calibrated: 2011-09-16
- Phantom: SAM 4; Type: Twin SAM 040 CA; Serial: TP-1018
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.5 (6469)

WLAN - Left/Tilt - Middle/Area Scan (121x181x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.519 mW/g

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

Reference Value = 13.299 V/m

Peak SAR (extrapolated) = 0.985 mW/g

SAR(1 g) = 0.451 mW/g

SAR(10 g) = 0.210 mW/g

Power Drift = 0.00 dB

Maximum value of SAR (measured) = 0.501 mW/g



Date/Time: 2012-07-02 13:17:46

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976064/3

Communication System: WLAN2450 b-mode

Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: HSL2450; Medium Notes: $t = 21.1$ C

Medium parameters used: $f = 2437$ MHz; $\sigma = 1.758$ mho/m; $\epsilon_r = 37.942$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3573
- ConvF(6.52, 6.52, 6.52); Calibrated: 2012-02-23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn793; Calibrated: 2011-09-16
- Phantom: SAM 4; Type: Twin SAM 040 CA; Serial: TP-1018
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.5 (6469)

WLAN - Right/Cheek - Middle/Area Scan (121x181x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (interpolated) = 0.386 mW/g

WLAN - Right/Cheek - Middle/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 11.785 V/m

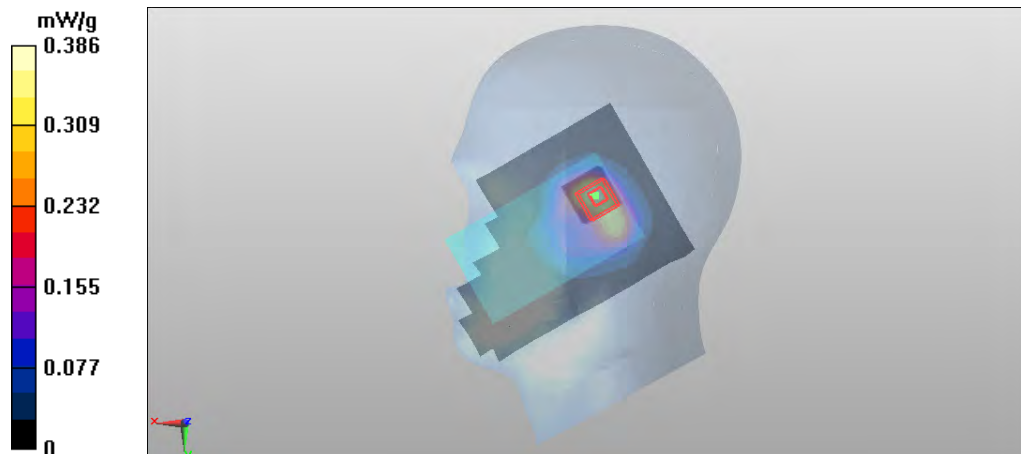
Peak SAR (extrapolated) = 0.601 mW/g

SAR(1 g) = 0.340 mW/g

SAR(10 g) = 0.186 mW/g

Power Drift = 0.44 dB

Maximum value of SAR (measured) = 0.372 mW/g



Date/Time: 2012-07-02 13:59:13

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976064/3

Communication System: WLAN2450 b-mode

Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: HSL2450; Medium Notes: $t = 21.1$ C

Medium parameters used: $f = 2437$ MHz; $\sigma = 1.758$ mho/m; $\epsilon_r = 37.942$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3573
- ConvF(6.52, 6.52, 6.52); Calibrated: 2012-02-23;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn793; Calibrated: 2011-09-16
- Phantom: SAM 4; Type: Twin SAM 040 CA; Serial: TP-1018
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.5 (6469)

WLAN - Right/Tilt - Middle/Area Scan (121x181x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.390 mW/g

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

Reference Value = 13.346 V/m

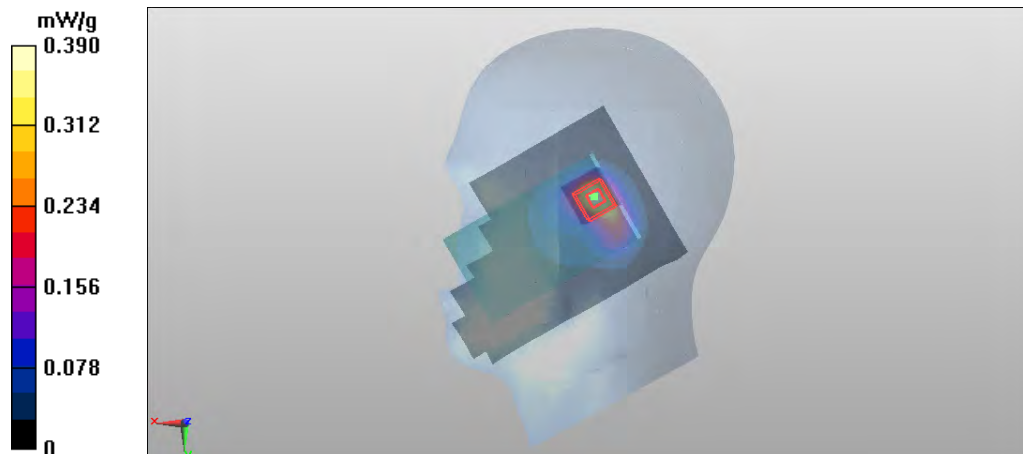
Peak SAR (extrapolated) = 0.623 mW/g

SAR(1 g) = 0.338 mW/g

SAR(10 g) = 0.175 mW/g

Power Drift = -0.12 dB

Maximum value of SAR (measured) = 0.381 mW/g



Date/Time: 2012-08-15 13:58:56

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976064/3

Communication System: WLAN2450 b-mode

Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: HSL2450; Medium Notes: $t = 21.4$ C

Medium parameters used: $f = 2437$ MHz; $\sigma = 1.774$ mho/m; $\epsilon_r = 37.595$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3573
- ConvF(6.52, 6.52, 6.52); Calibrated: 2012-02-23;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn538; Calibrated: 2012-08-03
- Phantom: SAM 4; Type: Twin SAM 040 CA; Serial: TP-1018
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.6 (6824)

WLAN - Left/Cheek - Middle - Cover CC-3401/Area Scan (121x181x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 0.694 W/kg

WLAN - Left/Cheek - Middle - Cover CC-3401/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 8.806 V/m

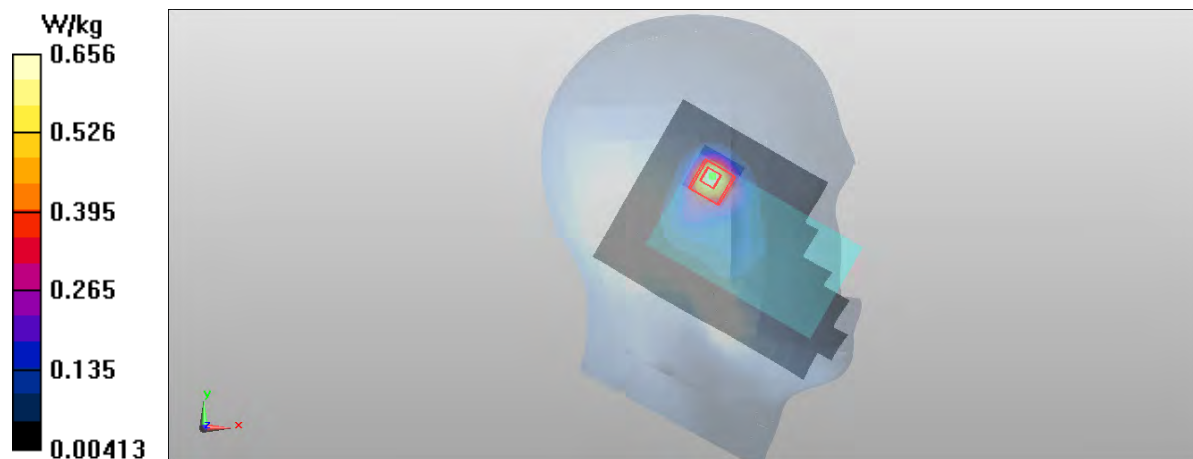
Peak SAR (extrapolated) = 1.301 mW/g

SAR(1 g) = 0.592 mW/g

SAR(10 g) = 0.279 mW/g

Power Drift = 0.04 dB

Maximum value of SAR (measured) = 0.656 W/kg



Date/Time: 2012-07-03 09:44:15

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976060/1

Communication System: WLAN5000 a-mode

Frequency: 5320 MHz; Duty Cycle: 1:1

Medium: HSL5000; Medium Notes: 21.3 C

Medium parameters used: $f = 5320$ MHz; $\sigma = 4.594$ mho/m; $\epsilon_r = 34.999$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3834
- ConvF(4.57, 4.57, 4.57); Calibrated: 2012-02-07;
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1213; Calibrated: 2012-02-14
- Phantom: SAM1; Type: SAM; Serial: TP-1126
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.5 (6469)

WLAN - Left/Cheek - Channel 64/Area Scan (121x181x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.95 mW/g

WLAN - Left/Cheek - Channel 64/Zoom Scan (8x8x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 4.601 V/m

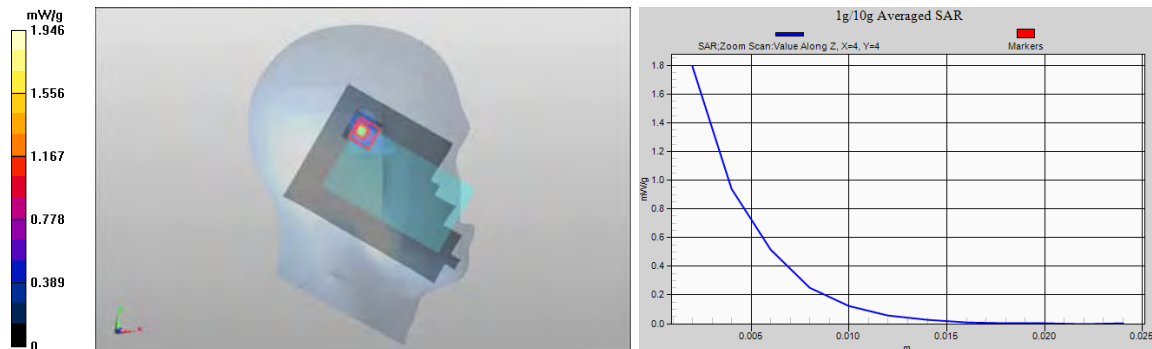
Peak SAR (extrapolated) = 3.931 mW/g

SAR(1 g) = 0.845 mW/g

SAR(10 g) = 0.227 mW/g

Power Drift = 0.45 dB

Maximum value of SAR (measured) = 1.79 mW/g



Date/Time: 2012-07-03 11:28:07

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976060/1

Communication System: WLAN5000 a-mode

Frequency: 5320 MHz; Duty Cycle: 1:1

Medium: HSL5000; Medium Notes: 21.3 C

Medium parameters used: $f = 5320$ MHz; $\sigma = 4.594$ mho/m; $\epsilon_r = 34.999$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3834
- ConvF(4.57, 4.57, 4.57); Calibrated: 2012-02-07;
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1213; Calibrated: 2012-02-14
- Phantom: SAM1; Type: SAM; Serial: TP-1126
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.5 (6469)

WLAN - Left/Tilt - Channel 64/Area Scan (121x181x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.25 mW/g

WLAN - Left/Tilt - Channel 64/Zoom Scan (8x8x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 6.158 V/m

Peak SAR (extrapolated) = 2.626 mW/g

SAR(1 g) = 0.578 mW/g

SAR(10 g) = 0.160 mW/g

Power Drift = 0.16 dB

Maximum value of SAR (measured) = 1.19 mW/g



Date/Time: 2012-07-03 14:11:40

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976060/1

Communication System: WLAN5000 a-mode

Frequency: 5320 MHz; Duty Cycle: 1:1

Medium: HSL5000; Medium Notes: 21.3 C

Medium parameters used: $f = 5320$ MHz; $\sigma = 4.594$ mho/m; $\epsilon_r = 34.999$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3834
- ConvF(4.57, 4.57, 4.57); Calibrated: 2012-02-07;
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1213; Calibrated: 2012-02-14
- Phantom: SAM1; Type: SAM; Serial: TP-1126
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.5 (6469)

WLAN - Right/Cheek - Channel 64/Area Scan (121x181x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.756 mW/g

WLAN - Right/Cheek - Channel 64/Zoom Scan (8x8x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 5.979 V/m

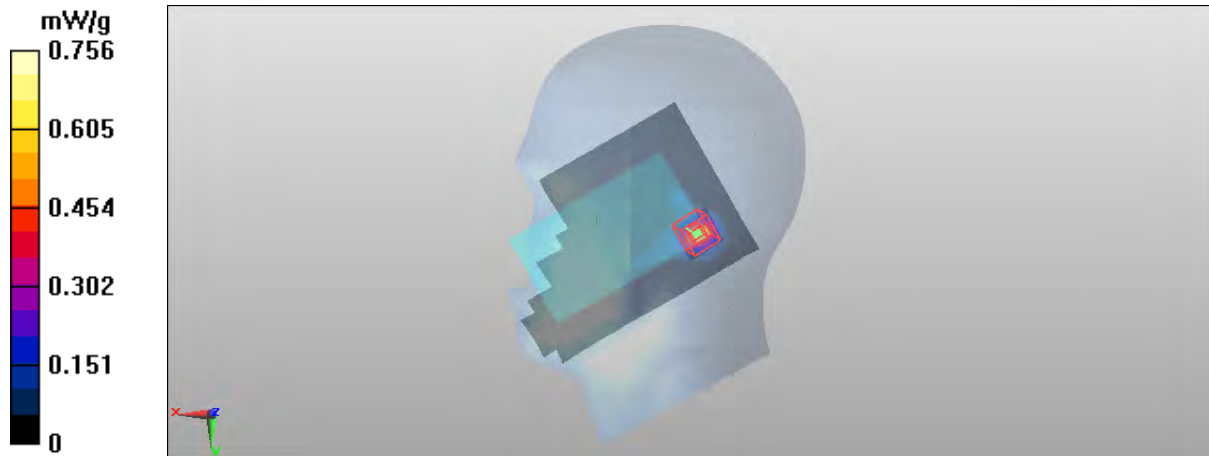
Peak SAR (extrapolated) = 1.397 mW/g

SAR(1 g) = 0.358 mW/g

SAR(10 g) = 0.103 mW/g

Power Drift = -0.41 dB

Maximum value of SAR (measured) = 0.675 mW/g



Date/Time: 2012-07-03 14:48:32

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976060/1

Communication System: WLAN5000 a-mode

Frequency: 5320 MHz; Duty Cycle: 1:1

Medium: HSL5000; Medium Notes: 21.3 C

Medium parameters used: $f = 5320$ MHz; $\sigma = 4.594$ mho/m; $\epsilon_r = 34.999$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3834
- ConvF(4.57, 4.57, 4.57); Calibrated: 2012-02-07;
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1213; Calibrated: 2012-02-14
- Phantom: SAM1; Type: SAM; Serial: TP-1126
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.5 (6469)

WLAN - Right/Tilt - Channel 64/Area Scan (121x181x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.651 mW/g

WLAN - Right/Tilt - Channel 64/Zoom Scan (8x8x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 6.198 V/m

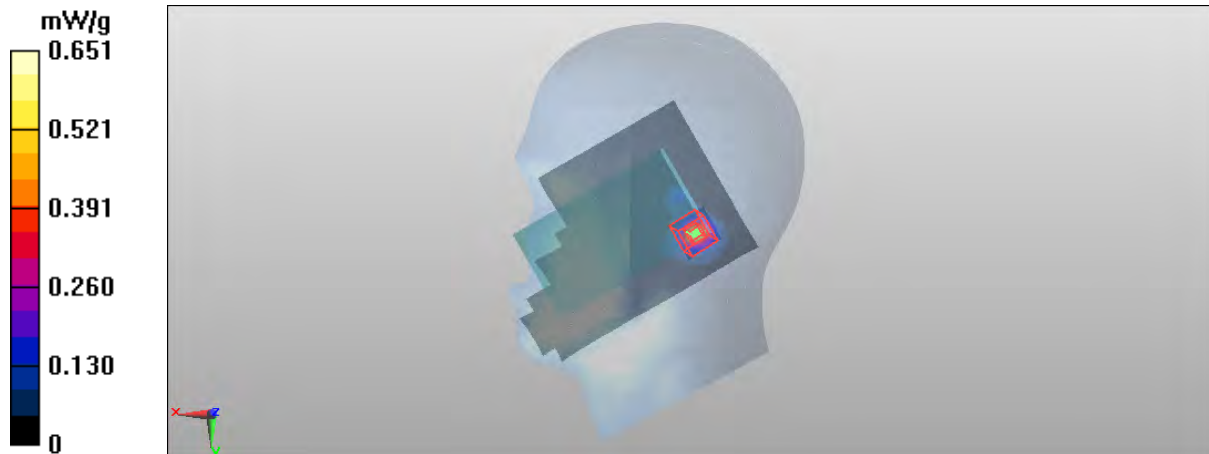
Peak SAR (extrapolated) = 2.439 mW/g

SAR(1 g) = 0.316 mW/g

SAR(10 g) = 0.092 mW/g

Power Drift = 0.12 dB

Maximum value of SAR (measured) = 0.614 mW/g



Date/Time: 2012-08-16 09:28:10

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976060/1

Communication System: WLAN5000 a-mode

Frequency: 5320 MHz; Duty Cycle: 1:1

Medium: HSL5000; Medium Notes: 21.4 C

Medium parameters used: $f = 5320$ MHz; $\sigma = 4.619$ mho/m; $\epsilon_r = 34.315$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3834
- ConvF(4.57, 4.57, 4.57); Calibrated: 2012-02-07;
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1213; Calibrated: 2012-02-14
- Phantom: SAM1; Type: SAM; Serial: TP-1126
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

WLAN- Left/Cheek - Channel 64 - Cover CC-3401 /Area Scan (121x181x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.72 W/kg

WLAN- Left/Cheek - Channel 64 - Cover CC-3401 /Zoom Scan (8x8x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 2.896 V/m

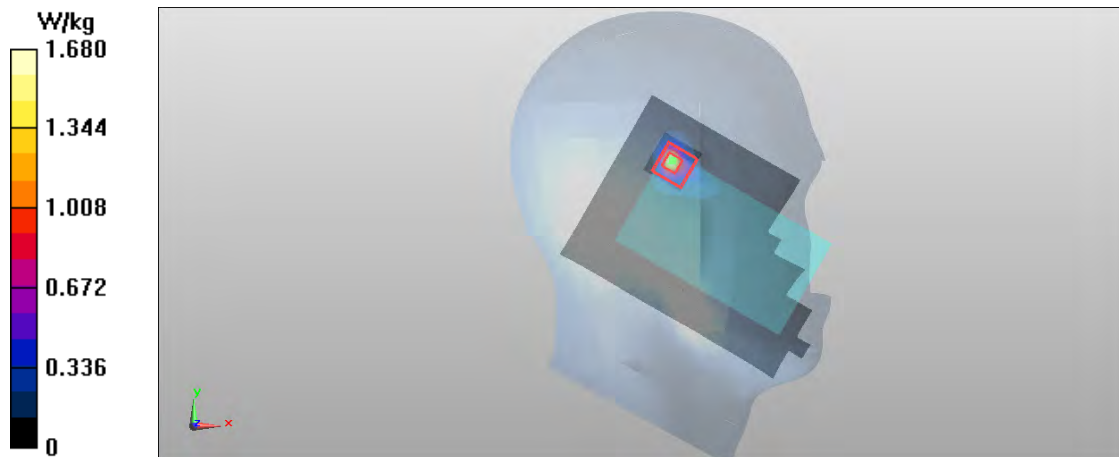
Peak SAR (extrapolated) = 3.501 mW/g

SAR(1 g) = 0.772 mW/g

SAR(10 g) = 0.207 mW/g

Power Drift = 0.19 dB

Maximum value of SAR (measured) = 1.68 W/kg



Date/Time: 2012-07-09 20:07:29

DASY Configuration for LTE - Left/Cheek - Low - QPSK - 10MHz - 1 RB - 0% offset/Area Scan:

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE700; Frequency: 709 MHz; Duty Cycle: 1:1

Medium: HSL750 Medium parameters used: $f = 709 \text{ MHz}$; $\sigma = 0.897 \text{ mho/m}$; $\epsilon_r = 40.843$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

Probe: ES3DV3 - SN3165; ConvF(6.13, 6.13, 6.13); Calibrated: 2012-02-21;

Sensor-Surface: 4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1309; Calibrated: 2012-01-11

Phantom: SAM #4 CRP ; Type: QD000P40CD; Serial: -

Measurement SW: DASY52, Version 52.8 (0)

Date/Time: 2012-07-02 11:04:44

DASY Configuration for WLAN - Left/Cheek - Middle/Area Scan:

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976064/3

Communication System: WLAN2450 b-mode; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: HSL2450 Medium parameters used: $f = 2437 \text{ MHz}$; $\sigma = 1.758 \text{ mho/m}$; $\epsilon_r = 37.942$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

Probe: EX3DV4 - SN3573; ConvF(6.52, 6.52, 6.52); Calibrated: 2012-02-23;

Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))

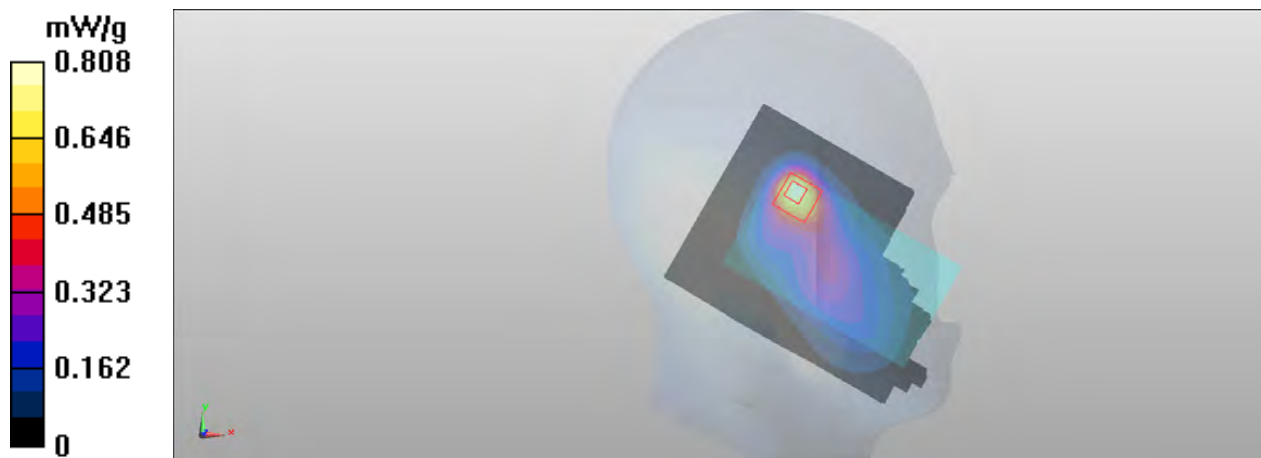
Electronics: DAE4 Sn793; Calibrated: 2011-09-16

Phantom: SAM 4; Type: Twin SAM 040 CA; Serial: TP-1018

Measurement SW: DASY4, Version 4.7 (80)

Fast SAR of Combined Scans: SAR(1 g) = 0.706 mW/g; SAR(10 g) = 0.346 mW/g

Maximum value of SAR (interpolated) = 0.808 mW/g



Date/Time: 2012-07-06 16:14:18

DASY Configuration for 2-slot GPRS - Left/Cheek - High/Area Scan:

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976081/7

Communication System: 2-slot GPRS850; Frequency: 848.8 MHz; Duty Cycle: 1:4.19952

Medium: HSL850 Medium parameters used: $f = 849$ MHz; $\sigma = 0.925$ mho/m; $\epsilon_r = 40.386$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Probe: ES3DV3 - SN3131; ConvF(5.88, 5.88, 5.88); Calibrated: 2011-09-14;

Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))

Electronics: DAE4 Sn1316; Calibrated: 2012-02-15

Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1179

Measurement SW: DASY52, Version 52.8 (0)

Date/Time: 2012-07-02 11:04:44

DASY Configuration for WLAN - Left/Cheek - Middle/Area Scan:

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976064/3

Communication System: WLAN2450 b-mode; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: HSL2450 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.758$ mho/m; $\epsilon_r = 37.942$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Probe: EX3DV4 - SN3573; ConvF(6.52, 6.52, 6.52); Calibrated: 2012-02-23;

Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))

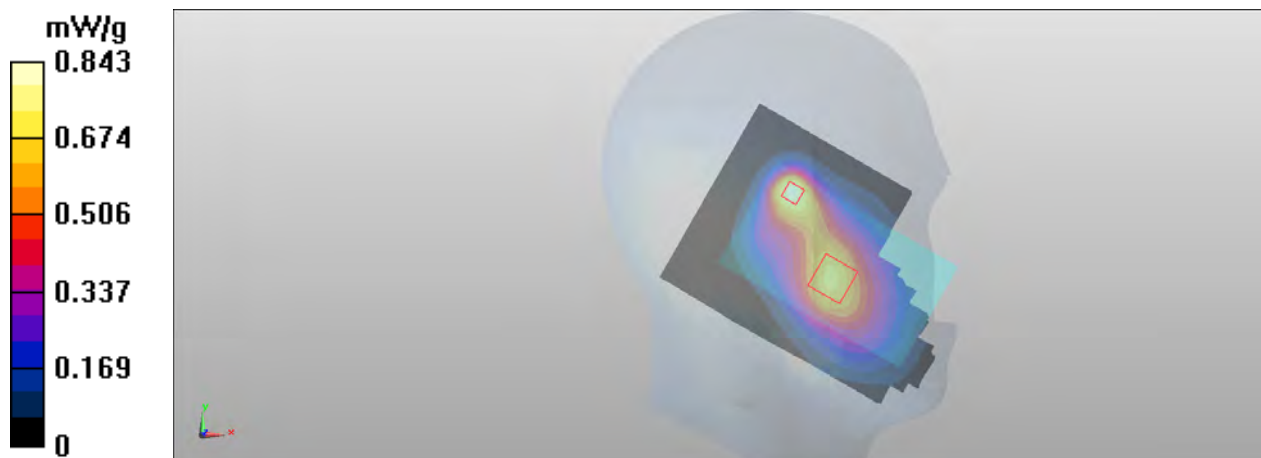
Electronics: DAE4 Sn793; Calibrated: 2011-09-16

Phantom: SAM 4; Type: Twin SAM 040 CA; Serial: TP-1018

Measurement SW: DASY4, Version 4.7 (80)

Fast SAR of Combined Scans: SAR(1 g) = 0.747 mW/g; SAR(10 g) = 0.439 mW/g

Maximum value of SAR (interpolated) = 0.843 mW/g



Date/Time: 2012-07-06 19:08:17

DASY Configuration for WCDMA - Left/Cheek - High/Area Scan:

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976081/7

Communication System: WCDMA850; Frequency: 846.6 MHz; Duty Cycle: 1:1

Medium: HSL850 Medium parameters used: $f = 847$ MHz; $\sigma = 0.924$ mho/m; $\epsilon_r = 40.398$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Probe: ES3DV3 - SN3131; ConvF(5.88, 5.88, 5.88); Calibrated: 2011-09-14;
Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))
Electronics: DAE4 Sn1316; Calibrated: 2012-02-15
Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1179
Measurement SW: DASY52, Version 52.8 (0)

Date/Time: 2012-07-02 11:04:44

DASY Configuration for WLAN - Left/Cheek - Middle/Area Scan:

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976064/3

Communication System: WLAN2450 b-mode; Frequency: 2437 MHz; Duty Cycle: 1:1

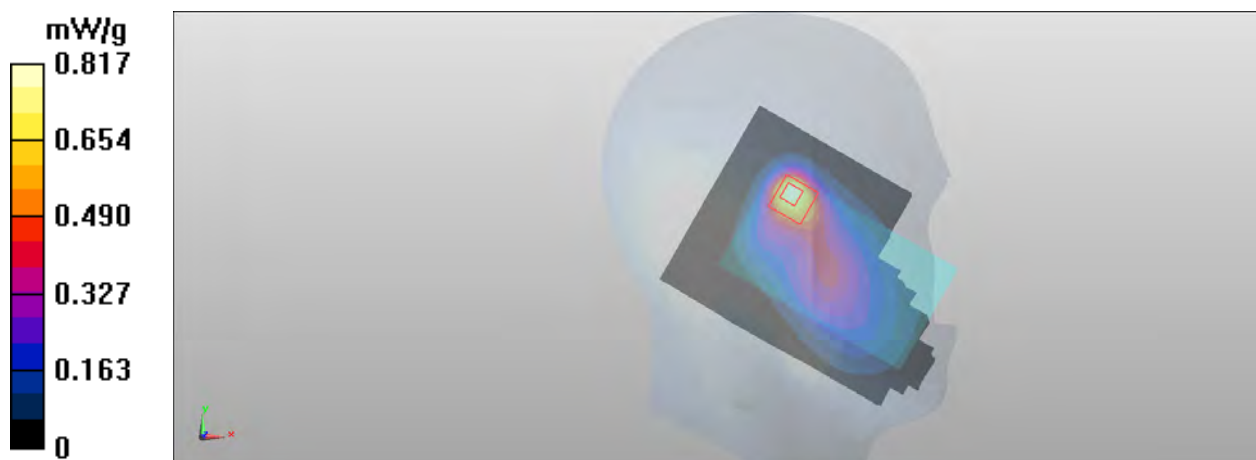
Medium: HSL2450 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.758$ mho/m; $\epsilon_r = 37.942$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Probe: EX3DV4 - SN3573; ConvF(6.52, 6.52, 6.52); Calibrated: 2012-02-23;
Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))
Electronics: DAE4 Sn793; Calibrated: 2011-09-16
Phantom: SAM 4; Type: Twin SAM 040 CA; Serial: TP-1018
Measurement SW: DASY4, Version 4.7 (80)

Fast SAR of Combined Scans: SAR(1 g) = 0.717 mW/g; SAR(10 g) = 0.356 mW/g

Maximum value of SAR (interpolated) = 0.817 mW/g



Date/Time: 2012-08-15 12:58:00

DASY Configuration for LTE - Left/Cheek - Middle - QPSK - 10MHz - 1 RB - 0% offset/Area Scan:

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976156/7

Communication System: LTE850 (band 5); Frequency: 836.5 MHz; Duty Cycle: 1:1; PMF: 1

Medium: HSL850 Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.894$ mho/m; $\epsilon_r = 39.813$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Probe: EX3DV4 - SN3790; ConvF(8.44, 8.44, 8.44); Calibrated: 2012-04-27;
Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))
Electronics: DAE4 Sn1316; Calibrated: 2012-02-15
Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1179
Measurement SW: DASY52, Version 52.8 (2)

Date/Time: 2012-07-02 11:04:44

DASY Configuration for WLAN - Left/Cheek - Middle/Area Scan:

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976064/3

Communication System: WLAN2450 b-mode; Frequency: 2437 MHz; Duty Cycle: 1:1; PMF: 1

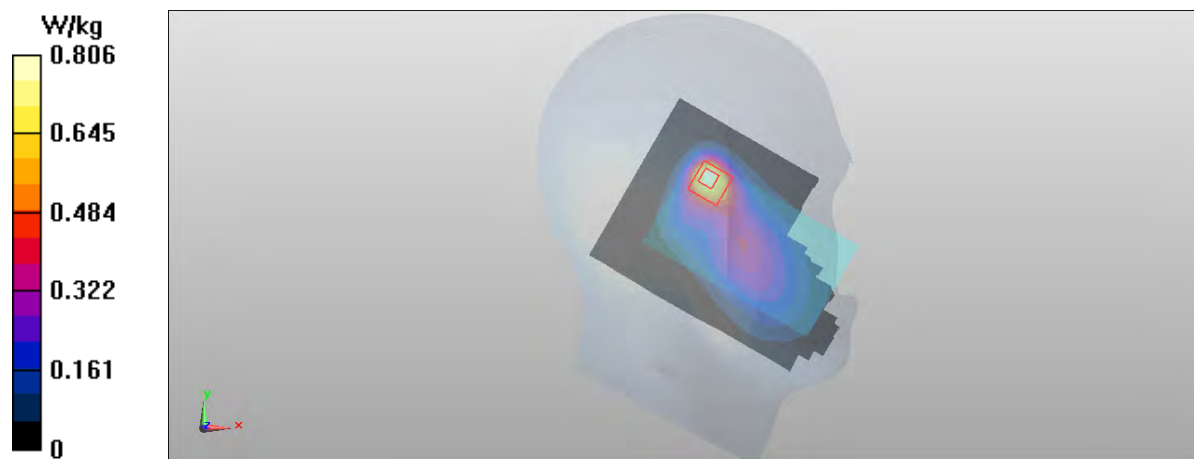
Medium: HSL2450 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.758$ mho/m; $\epsilon_r = 37.942$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Probe: EX3DV4 - SN3573; ConvF(6.52, 6.52, 6.52); Calibrated: 2012-02-23;
Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))
Electronics: DAE4 Sn793; Calibrated: 2011-09-16
Phantom: SAM 4; Type: Twin SAM 040 CA; Serial: TP-1018
Measurement SW: DASY4, Version 4.7 (80)

Fast SAR of Combined Scans: SAR(1 g) = 0.703 mW/g; SAR(10 g) = 0.343 mW/g

Maximum value of SAR (interpolated) = 0.806 W/kg



Date/Time: 2012-08-20 17:39:01

DASY Configuration for WCDMA _ Left/Cheek - High/Area Scan:

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976165/8

Communication System: WCDMA1700/2100; Frequency: 1752.6 MHz; Duty Cycle: 1:1; PMF: 1

Medium: HSL1800 Medium parameters used: $f = 1753$ MHz; $\sigma = 1.359$ mho/m; $\epsilon_r = 38.34$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Probe: ES3DV3 - SN3165; ConvF(5.51, 5.51, 5.51); Calibrated: 2012-02-21;
Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))
Electronics: DAE4 Sn1309; Calibrated: 2012-01-11
Phantom: SAM #1 CRP; Type: SAM; Serial:
Measurement SW: DASY52, Version 52.8 (0)

Date/Time: 2012-07-02 11:04:44

DASY Configuration for WLAN - Left/Cheek - Middle/Area Scan:

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976064/3

Communication System: WLAN2450 b-mode; Frequency: 2437 MHz; Duty Cycle: 1:1; PMF: 1

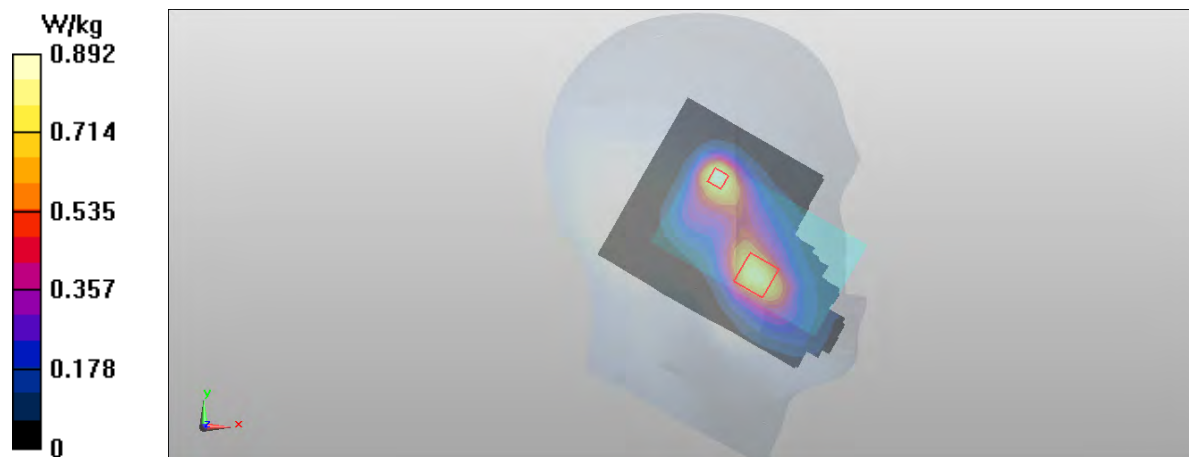
Medium: HSL2450 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.758$ mho/m; $\epsilon_r = 37.942$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Probe: EX3DV4 - SN3573; ConvF(6.52, 6.52, 6.52); Calibrated: 2012-02-23;
Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))
Electronics: DAE4 Sn793; Calibrated: 2011-09-16
Phantom: SAM 4; Type: Twin SAM 040 CA; Serial: TP-1018
Measurement SW: DASY4, Version 4.7 (80)

Fast SAR of Combined Scans: SAR(1 g) = 0.780 mW/g; SAR(10 g) = 0.437 mW/g

Maximum value of SAR (interpolated) = 0.892 W/kg



Date/Time: 2012-08-20 20:34:39

DASY Configuration for LTE/Left/Cheek - Middle - QPSK - 20MHz - 1RB - 50% offset - Cover CC-3401/Area Scan:

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE1700/2100; Frequency: 1732.5 MHz; Duty Cycle: 1:1; PMF: 1

Medium: HSL1800 Medium parameters used (interpolated): $f = 1732.5$ MHz; $\sigma = 1.337$ mho/m; $\epsilon_r = 38.422$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Probe: ES3DV3 - SN3165; ConvF(5.51, 5.51, 5.51); Calibrated: 2012-02-21;

Sensor-Surface: 4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1309; Calibrated: 2012-01-11

Phantom: SAM #1 CRP; Type: SAM; Serial:

Measurement SW: DASY52, Version 52.8 (0)

Date/Time: 2012-07-02 11:04:44

DASY Configuration for WLAN - Left/Cheek - Middle/Area Scan:

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976064/3

Communication System: WLAN2450 b-mode; Frequency: 2437 MHz; Duty Cycle: 1:1; PMF: 1

Medium: HSL2450 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.758$ mho/m; $\epsilon_r = 37.942$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Probe: EX3DV4 - SN3573; ConvF(6.52, 6.52, 6.52); Calibrated: 2012-02-23;

Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))

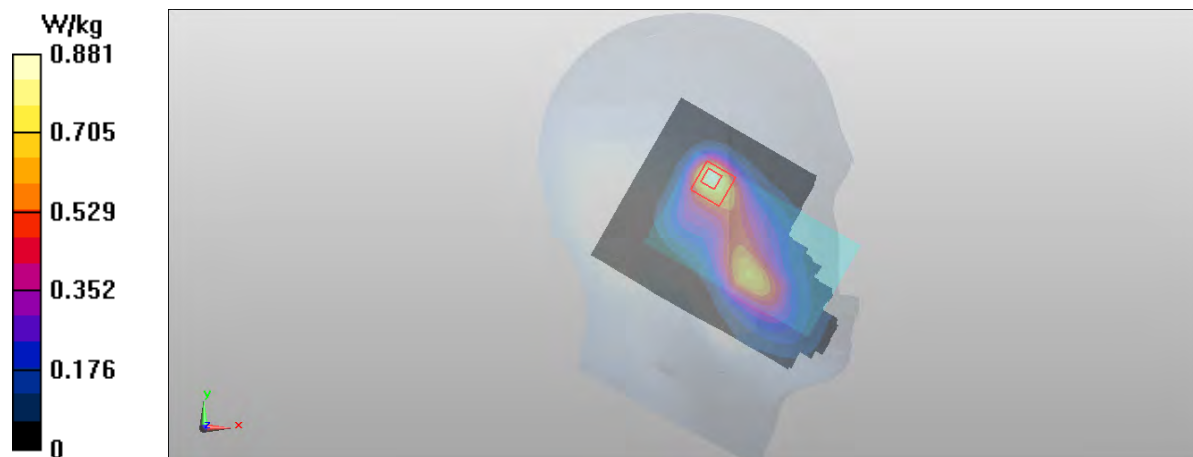
Electronics: DAE4 Sn793; Calibrated: 2011-09-16

Phantom: SAM 4; Type: Twin SAM 040 CA; Serial: TP-1018

Measurement SW: DASY4, Version 4.7 (80)

Fast SAR of Combined Scans: SAR(1 g) = 0.770 mW/g; SAR(10 g) = 0.387 mW/g

Maximum value of SAR (interpolated) = 0.881 W/kg



Date/Time: 2012-08-16 08:56:24

DASY Configuration for 2-slot GPRS - Left/Cheek - Middle - Cover CC-3401/Area Scan:

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976059/3

Communication System: 2-slot GPRS1900; Frequency: 1880 MHz; Duty Cycle: 1:4.2; PMF: 2.04939

Medium: HSL1900 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.362$ mho/m; $\epsilon_r = 38.7$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Probe: EX3DV4 - SN3573; ConvF(7.43, 7.43, 7.43); Calibrated: 2012-02-23;

Sensor-Surface: 4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn538; Calibrated: 2012-08-03

Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1449

Measurement SW: DASY4, Version 4.7 (80)

Date/Time: 2012-07-02 11:04:44

DASY Configuration for WLAN - Left/Cheek - Middle/Area Scan:

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976064/3

Communication System: WLAN2450 b-mode; Frequency: 2437 MHz; Duty Cycle: 1:1; PMF: 1

Medium: HSL2450 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.758$ mho/m; $\epsilon_r = 37.942$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Probe: EX3DV4 - SN3573; ConvF(6.52, 6.52, 6.52); Calibrated: 2012-02-23;

Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))

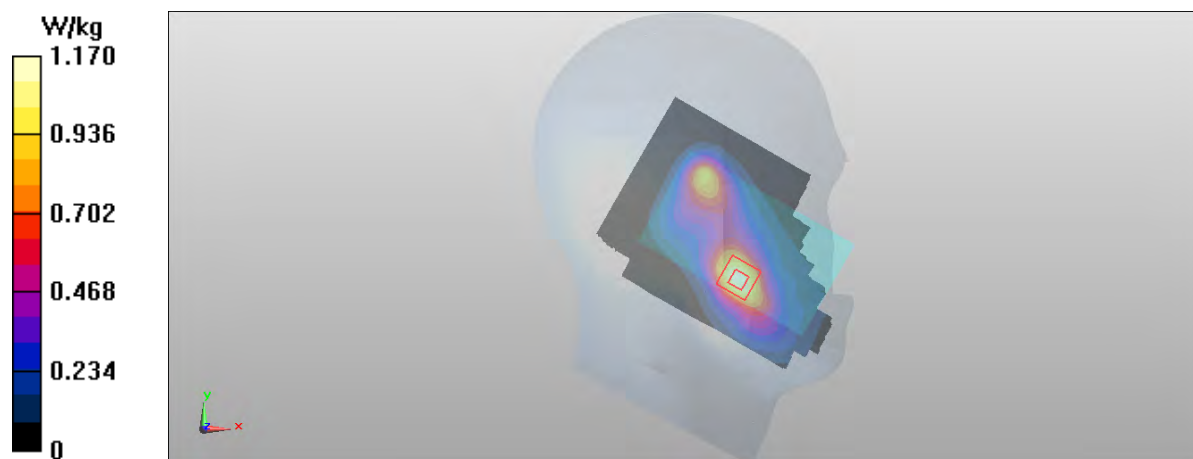
Electronics: DAE4 Sn793; Calibrated: 2011-09-16

Phantom: SAM 4; Type: Twin SAM 040 CA; Serial: TP-1018

Measurement SW: DASY4, Version 4.7 (80)

Fast SAR of Combined Scans: SAR(1 g) = 1.05 mW/g; SAR(10 g) = 0.592 mW/g

Maximum value of SAR (interpolated) = 1.17 W/kg



Date/Time: 2012-07-06 17:13:15

DASY Configuration for WCDMA - Left/Cheek - Middle/Area Scan:

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976059/3

Communication System: WCDMA1900; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: HSL1900 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.378$ mho/m; $\epsilon_r = 38.85$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Probe: EX3DV4 - SN3573; ConvF(7.43, 7.43, 7.43); Calibrated: 2012-02-23;

Sensor-Surface: 4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn793; Calibrated: 2011-09-16

Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1449

Measurement SW: DASY4, Version 4.7 (80)

Date/Time: 2012-07-02 11:04:44

DASY Configuration for WLAN - Left/Cheek - Middle/Area Scan:

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976064/3

Communication System: WLAN2450 b-mode; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: HSL2450 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.758$ mho/m; $\epsilon_r = 37.942$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Probe: EX3DV4 - SN3573; ConvF(6.52, 6.52, 6.52); Calibrated: 2012-02-23;

Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))

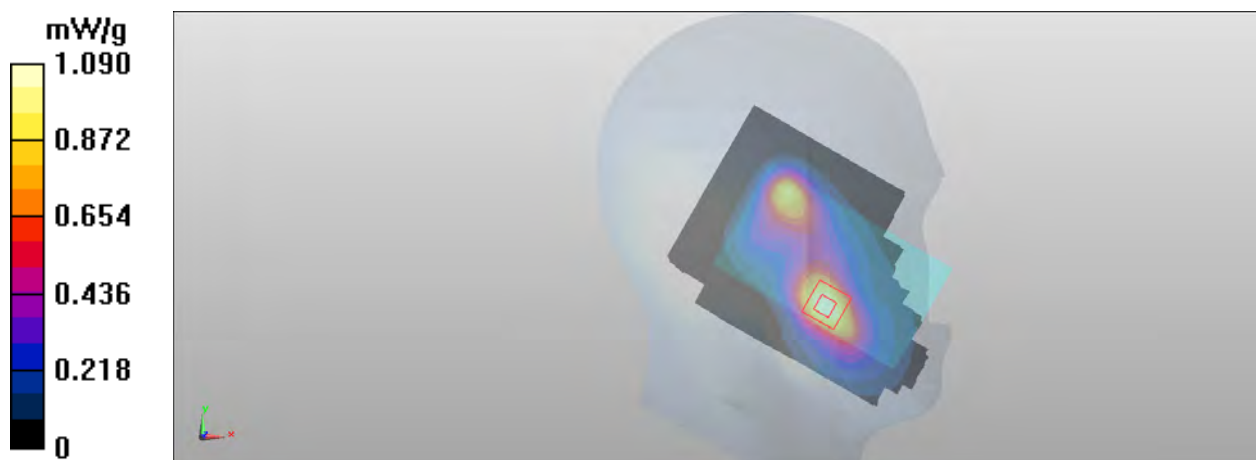
Electronics: DAE4 Sn793; Calibrated: 2011-09-16

Phantom: SAM 4; Type: Twin SAM 040 CA; Serial: TP-1018

Measurement SW: DASY4, Version 4.7 (80)

Fast SAR of Combined Scans: SAR(1 g) = 0.980 mW/g; SAR(10 g) = 0.553 mW/g

Maximum value of SAR (interpolated) = 1.09 mW/g



Date/Time: 2012-08-17 20:49:26

DASY Configuration for LTE - Left/Cheek - Middle - QPSK - 20MHz - 1 RB - 100% offset - Cover CC-3401/Area Scan:

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976171/6

Communication System: LTE1900 ; Frequency: 1880 MHz; Duty Cycle: 1:1; PMF: 1

Medium: HSL 1900 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.384$ mho/m; $\epsilon_r = 38.525$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Probe: EX3DV4 - SN3573; ConvF(7.43, 7.43, 7.43); Calibrated: 2012-02-23;
Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))
Electronics: DAE4 Sn538; Calibrated: 2012-08-03
Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1449
Measurement SW: DASY4, Version 4.7 (80)

Date/Time: 2012-07-02 11:04:44

DASY Configuration for WLAN - Left/Cheek - Middle/Area Scan:

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976064/3

Communication System: WLAN2450 b-mode; Frequency: 2437 MHz; Duty Cycle: 1:1; PMF: 1

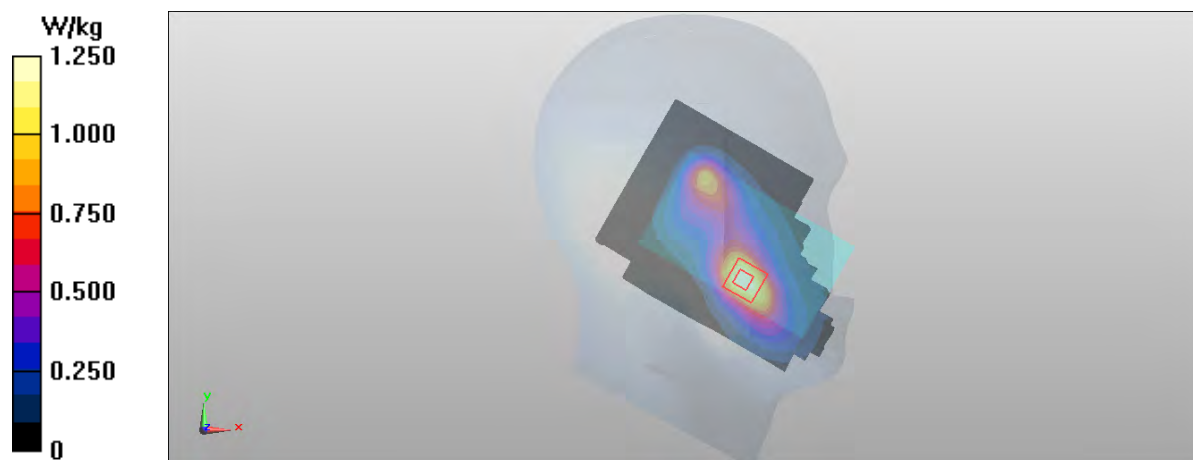
Medium: HSL2450 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.758$ mho/m; $\epsilon_r = 37.942$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Probe: EX3DV4 - SN3573; ConvF(6.52, 6.52, 6.52); Calibrated: 2012-02-23;
Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))
Electronics: DAE4 Sn793; Calibrated: 2011-09-16
Phantom: SAM 4; Type: Twin SAM 040 CA; Serial: TP-1018
Measurement SW: DASY4, Version 4.7 (80)

Fast SAR of Combined Scans: SAR(1 g) = 1.13 mW/g; SAR(10 g) = 0.643 mW/g

Maximum value of SAR (interpolated) = 1.25 W/kg



Date/Time: 2012-07-09 20:07:29

DASY Configuration for LTE - Left/Cheek - Low - QPSK - 10MHz - 1 RB - 0% offset/Area Scan:

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE700; Frequency: 709 MHz; Duty Cycle: 1:1

Medium: HSL750 Medium parameters used: $f = 709 \text{ MHz}$; $\sigma = 0.897 \text{ mho/m}$; $\epsilon_r = 40.843$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

Probe: ES3DV3 - SN3165; ConvF(6.13, 6.13, 6.13); Calibrated: 2012-02-21;

Sensor-Surface: 4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1309; Calibrated: 2012-01-11

Phantom: SAM #4 CRP ; Type: QD000P40CD; Serial: -

Measurement SW: DASY52, Version 52.8 (0)

Date/Time: 2012-07-03 09:44:15

DASY Configuration for WLAN - Left/Cheek - Channel 64/Area Scan:

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976060/1

Communication System: WLAN5000 a-mode; Frequency: 5320 MHz; Duty Cycle: 1:1

Medium: HSL5000 Medium parameters used: $f = 5320 \text{ MHz}$; $\sigma = 4.594 \text{ mho/m}$; $\epsilon_r = 34.999$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

Probe: EX3DV4 - SN3834; ConvF(4.57, 4.57, 4.57); Calibrated: 2012-02-07;

Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used))

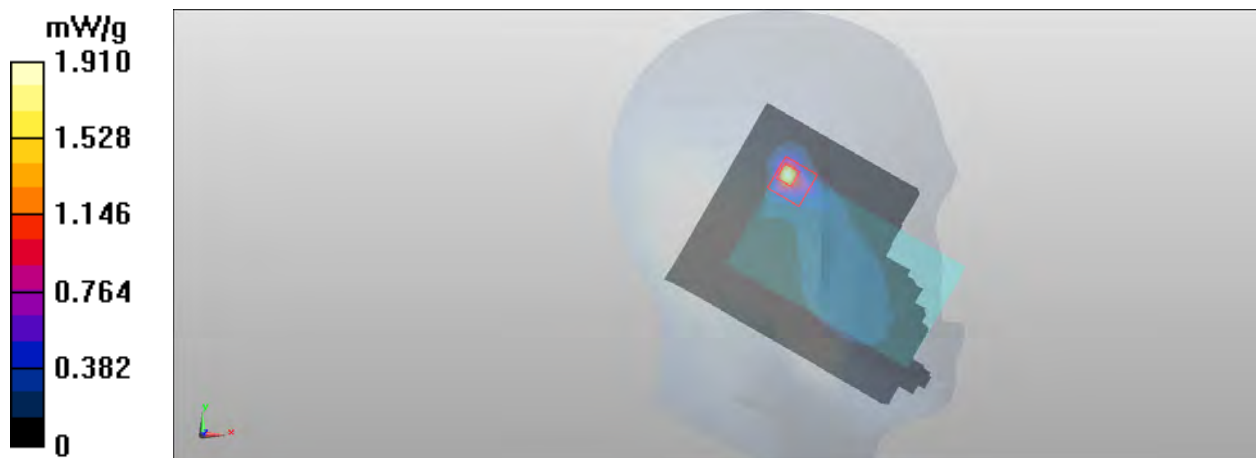
Electronics: DAE4 Sn1213; Calibrated: 2012-02-14

Phantom: SAM1; Type: SAM; Serial: TP-1126

Measurement SW: DASY52, Version 52.8 (1)

Fast SAR of Combined Scans: SAR(1 g) = 0.818 mW/g; SAR(10 g) = 0.235 mW/g

Maximum value of SAR (interpolated) = 1.91 mW/g



Date/Time: 2012-07-06 16:14:18

DASY Configuration for 2-slot GPRS - Left/Cheek - High/Area Scan:

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976081/7

Communication System: 2-slot GPRS850; Frequency: 848.8 MHz; Duty Cycle: 1:4.19952

Medium: HSL850 Medium parameters used: $f = 849$ MHz; $\sigma = 0.925$ mho/m; $\epsilon_r = 40.386$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Probe: ES3DV3 - SN3131; ConvF(5.88, 5.88, 5.88); Calibrated: 2011-09-14;

Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))

Electronics: DAE4 Sn1316; Calibrated: 2012-02-15

Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1179

Measurement SW: DASY52, Version 52.8 (0)

Date/Time: 2012-07-03 09:44:15

DASY Configuration for WLAN - Left/Cheek - Channel 64/Area Scan:

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976060/1

Communication System: WLAN5000 a-mode; Frequency: 5320 MHz; Duty Cycle: 1:1

Medium: HSL5000 Medium parameters used: $f = 5320$ MHz; $\sigma = 4.594$ mho/m; $\epsilon_r = 34.999$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Probe: EX3DV4 - SN3834; ConvF(4.57, 4.57, 4.57); Calibrated: 2012-02-07;

Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used))

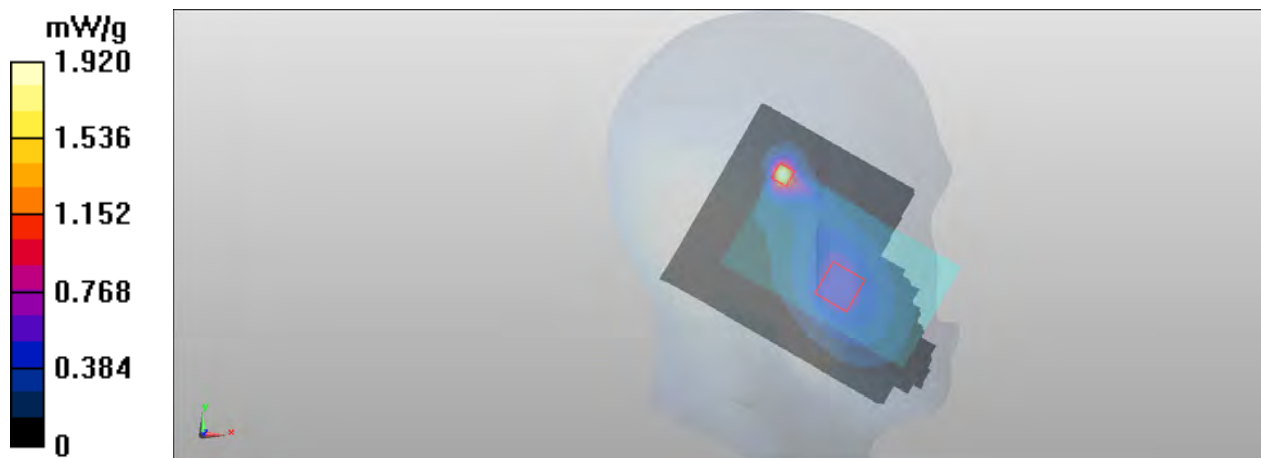
Electronics: DAE4 Sn1213; Calibrated: 2012-02-14

Phantom: SAM1; Type: SAM; Serial: TP-1126

Measurement SW: DASY52, Version 52.8 (1)

Fast SAR of Combined Scans: SAR(1 g) = 0.828 mW/g; SAR(10 g) = 0.403 mW/g

Maximum value of SAR (interpolated) = 1.92 mW/g



Date/Time: 2012-07-06 19:08:17

DASY Configuration for WCDMA - Left/Cheek - High/Area Scan:

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976081/7

Communication System: WCDMA850; Frequency: 846.6 MHz; Duty Cycle: 1:1

Medium: HSL850 Medium parameters used: $f = 847$ MHz; $\sigma = 0.924$ mho/m; $\epsilon_r = 40.398$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Probe: ES3DV3 - SN3131; ConvF(5.88, 5.88, 5.88); Calibrated: 2011-09-14;

Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))

Electronics: DAE4 Sn1316; Calibrated: 2012-02-15

Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1179

Measurement SW: DASY52, Version 52.8 (0)

Date/Time: 2012-07-03 09:44:15

DASY Configuration for WLAN - Left/Cheek - Channel 64/Area Scan:

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976060/1

Communication System: WLAN5000 a-mode; Frequency: 5320 MHz; Duty Cycle: 1:1

Medium: HSL5000 Medium parameters used: $f = 5320$ MHz; $\sigma = 4.594$ mho/m; $\epsilon_r = 34.999$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Probe: EX3DV4 - SN3834; ConvF(4.57, 4.57, 4.57); Calibrated: 2012-02-07;

Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used))

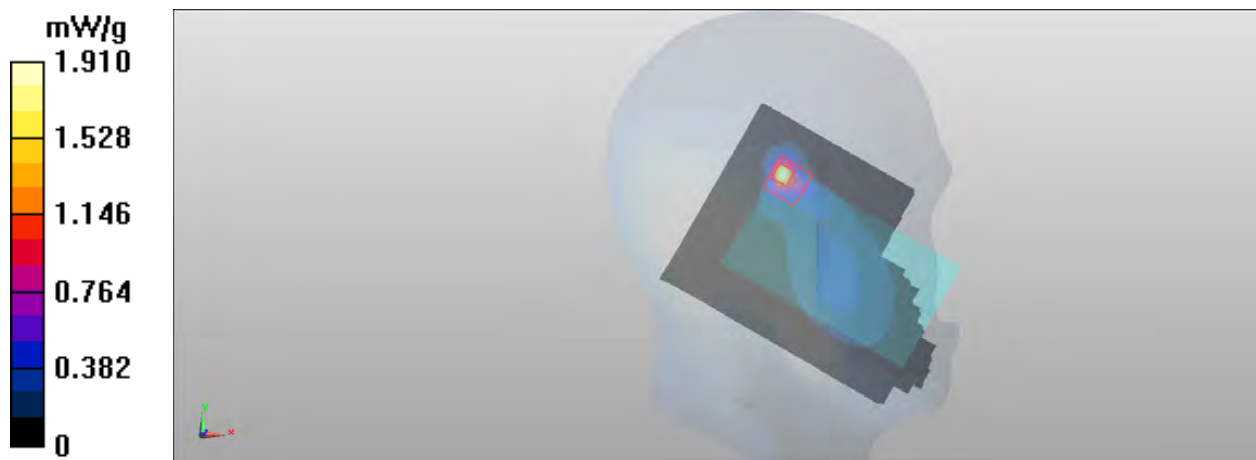
Electronics: DAE4 Sn1213; Calibrated: 2012-02-14

Phantom: SAM1; Type: SAM; Serial: TP-1126

Measurement SW: DASY52, Version 52.8 (1)

Fast SAR of Combined Scans: SAR(1 g) = 0.819 mW/g; SAR(10 g) = 0.238 mW/g

Maximum value of SAR (interpolated) = 1.91 mW/g



Date/Time: 2012-07-03 09:44:15

DASY Configuration for WLAN - Left/Cheek - Channel 64/Area Scan:

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976060/1

Communication System: WLAN5000 a-mode; Frequency: 5320 MHz; Duty Cycle: 1:1; PMF: 1

Medium: HSL5000 Medium parameters used: $f = 5320$ MHz; $\sigma = 4.594$ mho/m; $\epsilon_r = 34.999$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Probe: EX3DV4 - SN3834; ConvF(4.57, 4.57, 4.57); Calibrated: 2012-02-07;

Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used))

Electronics: DAE4 Sn1213; Calibrated: 2012-02-14

Phantom: SAM1; Type: SAM; Serial: TP-1126

Measurement SW: DASY52, Version 52.8 (1)

Date/Time: 2012-08-15 12:58:00

DASY Configuration for LTE - Left/Cheek - Middle - QPSK - 10MHz - 1 RB - 0% offset/Area Scan:

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976156/7

Communication System: LTE850 (band 5); Frequency: 836.5 MHz; Duty Cycle: 1:1; PMF: 1

Medium: HSL850 Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.894$ mho/m; $\epsilon_r = 39.813$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Probe: EX3DV4 - SN3790; ConvF(8.44, 8.44, 8.44); Calibrated: 2012-04-27;

Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))

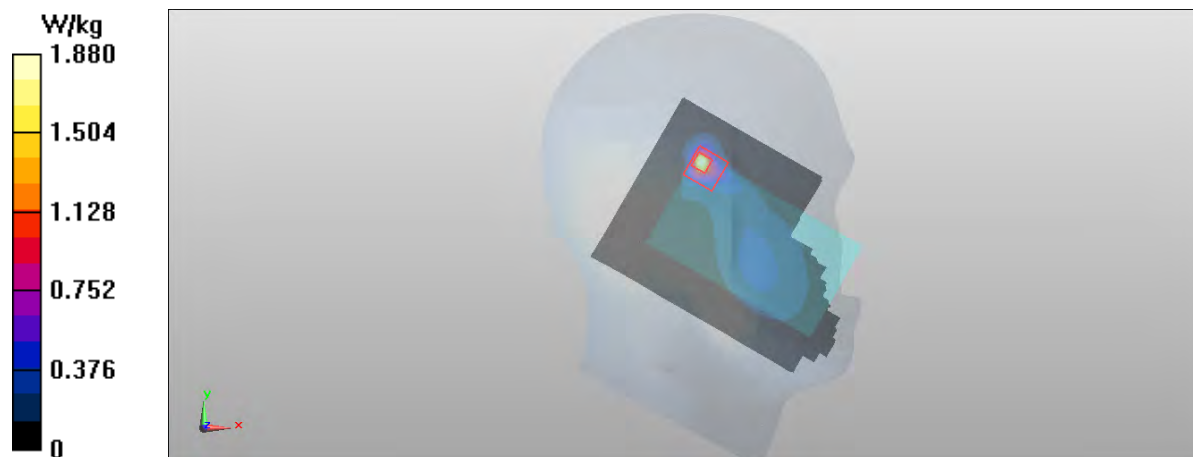
Electronics: DAE4 Sn1316; Calibrated: 2012-02-15

Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1179

Measurement SW: DASY52, Version 52.8 (2)

Fast SAR of Combined Scans: SAR(1 g) = 0.796 mW/g; SAR(10 g) = 0.229 mW/g

Maximum value of SAR (interpolated) = 1.88 W/kg



Date/Time: 2012-07-03 09:44:15

DASY Configuration for WLAN - Left/Cheek - Channel 64/Area Scan:

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976060/1

Communication System: WLAN5000 a-mode; Frequency: 5320 MHz; Duty Cycle: 1:1; PMF: 1

Medium: HSL5000 Medium parameters used: $f = 5320$ MHz; $\sigma = 4.594$ mho/m; $\epsilon_r = 34.999$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Probe: EX3DV4 - SN3834; ConvF(4.57, 4.57, 4.57); Calibrated: 2012-02-07;
Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used))
Electronics: DAE4 Sn1213; Calibrated: 2012-02-14
Phantom: SAM1; Type: SAM; Serial: TP-1126
Measurement SW: DASY52, Version 52.8 (1)

Date/Time: 2012-08-20 17:39:01

DASY Configuration for WCDMA - Left/Cheek - High/Area Scan:

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976165/8

Communication System: WCDMA1700/2100; Frequency: 1752.6 MHz; Duty Cycle: 1:1; PMF: 1

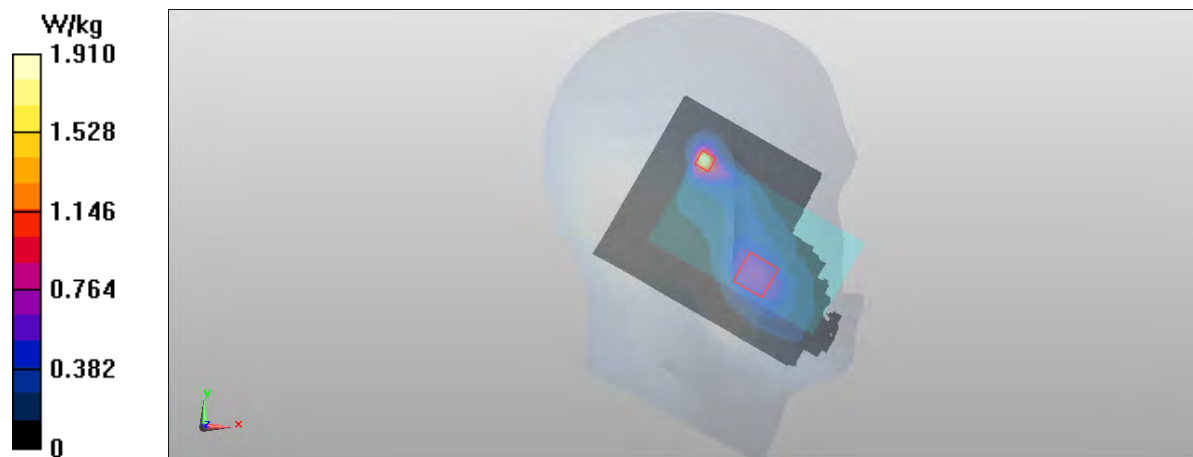
Medium: HSL1800 Medium parameters used: $f = 1753$ MHz; $\sigma = 1.359$ mho/m; $\epsilon_r = 38.34$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Probe: ES3DV3 - SN3165; ConvF(5.51, 5.51, 5.51); Calibrated: 2012-02-21;
Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))
Electronics: DAE4 Sn1309; Calibrated: 2012-01-11
Phantom: SAM #1 CRP; Type: SAM; Serial:
Measurement SW: DASY52, Version 52.8 (0)

Fast SAR of Combined Scans: SAR(1 g) = 0.827 mW/g; SAR(10 g) = 0.417 mW/g

Maximum value of SAR (interpolated) = 1.91 W/kg



Date/Time: 2012-07-03 09:44:15

DASY Configuration for WLAN - Left/Cheek - Channel 64/Area Scan:

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976060/1

Communication System: WLAN5000 a-mode; Frequency: 5320 MHz; Duty Cycle: 1:1; PMF: 1

Medium: HSL5000 Medium parameters used: $f = 5320$ MHz; $\sigma = 4.594$ mho/m; $\epsilon_r = 34.999$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Probe: EX3DV4 - SN3834; ConvF(4.57, 4.57, 4.57); Calibrated: 2012-02-07;
Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used))
Electronics: DAE4 Sn1213; Calibrated: 2012-02-14
Phantom: SAM1; Type: SAM; Serial: TP-1126
Measurement SW: DASY52, Version 52.8 (1)

Date/Time: 2012-08-20 20:34:39

DASY Configuration for LTE-Left/Cheek - Middle - QPSK - 20MHz - 1RB - 50% offset - Cover CC-3401/Area Scan:

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE1700/2100; Frequency: 1732.5 MHz; Duty Cycle: 1:1; PMF: 1

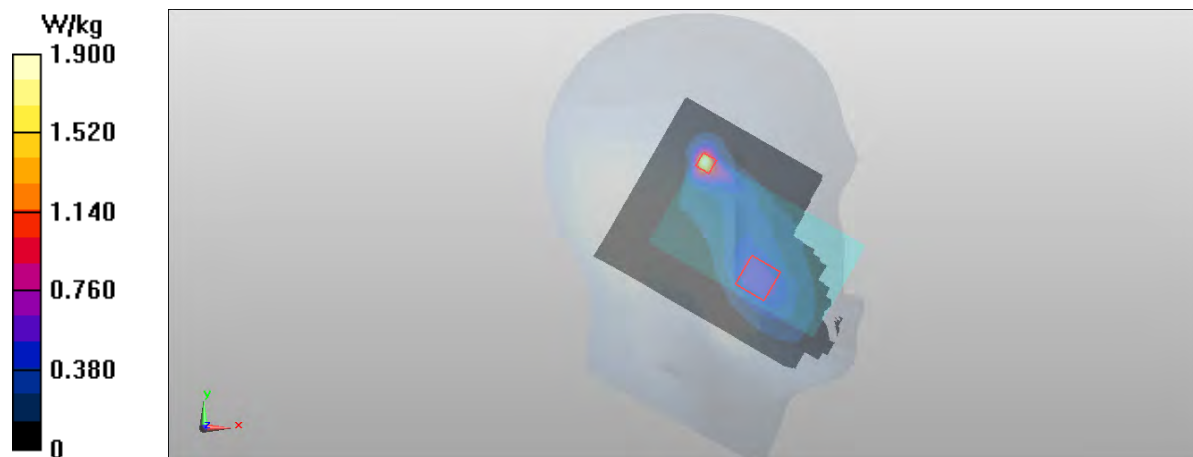
Medium: HSL1800 Medium parameters used (interpolated): $f = 1732.5$ MHz; $\sigma = 1.337$ mho/m; $\epsilon_r = 38.422$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Probe: ES3DV3 - SN3165; ConvF(5.51, 5.51, 5.51); Calibrated: 2012-02-21;
Sensor-Surface: 4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1309; Calibrated: 2012-01-11
Phantom: SAM #1 CRP; Type: SAM; Serial:
Measurement SW: DASY52, Version 52.8 (0)

Fast SAR of Combined Scans: SAR(1 g) = 0.816 mW/g; SAR(10 g) = 0.344 mW/g

Maximum value of SAR (interpolated) = 1.90 W/kg



Date/Time: 2012-07-03 09:44:15

DASY Configuration for WLAN - Left/Cheek - Channel 64/Area Scan:

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976060/1

Communication System: WLAN5000 a-mode; Frequency: 5320 MHz; Duty Cycle: 1:1; PMF: 1

Medium: HSL5000 Medium parameters used: $f = 5320$ MHz; $\sigma = 4.594$ mho/m; $\epsilon_r = 34.999$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Probe: EX3DV4 - SN3834; ConvF(4.57, 4.57, 4.57); Calibrated: 2012-02-07;
Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used))
Electronics: DAE4 Sn1213; Calibrated: 2012-02-14
Phantom: SAM1; Type: SAM; Serial: TP-1126
Measurement SW: DASY52, Version 52.8 (1)

Date/Time: 2012-08-16 08:56:24

DASY Configuration for 2-slot GPRS - Left/Cheek - Middle - Cover CC-3401/Area Scan:

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976059/3

Communication System: 2-slot GPRS1900; Frequency: 1880 MHz; Duty Cycle: 1:4.2; PMF: 2.04939

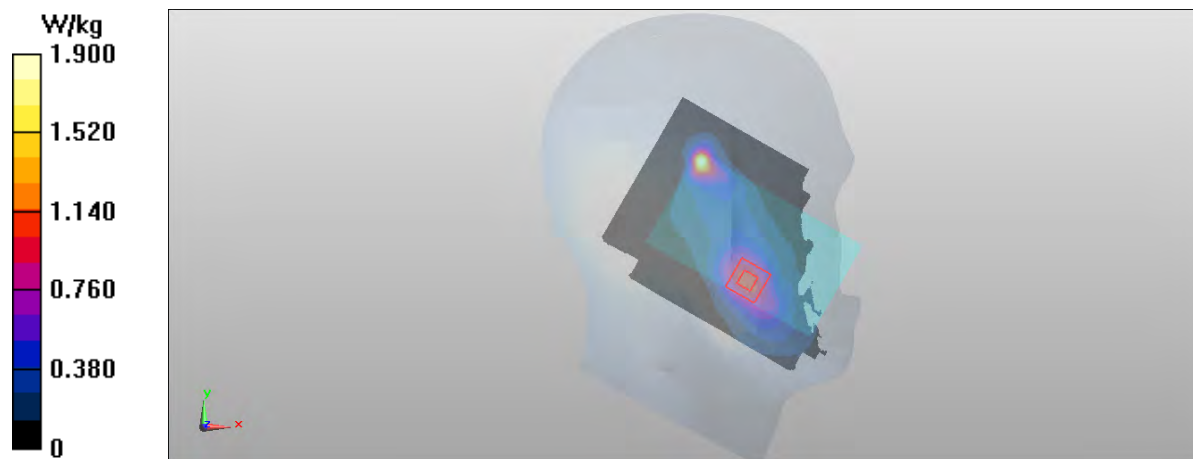
Medium: HSL1900 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.362$ mho/m; $\epsilon_r = 38.7$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Probe: EX3DV4 - SN3573; ConvF(7.43, 7.43, 7.43); Calibrated: 2012-02-23;
Sensor-Surface: 4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn538; Calibrated: 2012-08-03
Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1449
Measurement SW: DASY4, Version 4.7 (80)

Fast SAR of Combined Scans: SAR(1 g) = 1.01 mW/g; SAR(10 g) = 0.572 mW/g

Maximum value of SAR (interpolated) = 1.90 W/kg



Date/Time: 2012-07-03 09:44:15

DASY Configuration for WLAN - Left/Cheek - Channel 64/Area Scan:

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976060/1

Communication System: WLAN5000 a-mode; Frequency: 5320 MHz; Duty Cycle: 1:1; PMF: 1

Medium: HSL5000 Medium parameters used: $f = 5320$ MHz; $\sigma = 4.594$ mho/m; $\epsilon_r = 34.999$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Probe: EX3DV4 - SN3834; ConvF(4.57, 4.57, 4.57); Calibrated: 2012-02-07;
Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used))
Electronics: DAE4 Sn1213; Calibrated: 2012-02-14
Phantom: SAM1; Type: SAM; Serial: TP-1126
Measurement SW: DASY52, Version 52.8 (1)

Date/Time: 2012-07-06 17:13:15

DASY Configuration for WCDMA - Left/Cheek - Middle/Area Scan:

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976059/3

Communication System: WCDMA1900; Frequency: 1880 MHz; Duty Cycle: 1:1; PMF: 1

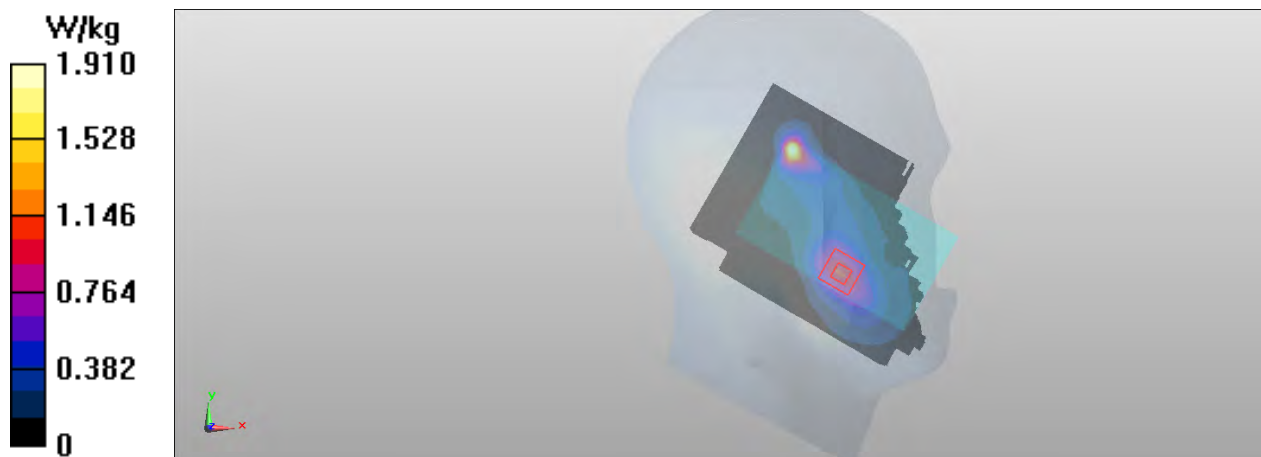
Medium: HSL1900 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.378$ mho/m; $\epsilon_r = 38.85$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Probe: EX3DV4 - SN3573; ConvF(7.43, 7.43, 7.43); Calibrated: 2012-02-23;
Sensor-Surface: 4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn793; Calibrated: 2011-09-16
Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1449
Measurement SW: DASY4, Version 4.7 (80)

Fast SAR of Combined Scans: SAR(1 g) = 0.938 mW/g; SAR(10 g) = 0.527 mW/g

Maximum value of SAR (interpolated) = 1.91 W/kg



Date/Time: 2012-07-03 09:44:15

DASY Configuration for WLAN - Left/Cheek - Channel 64/Area Scan:

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976060/1

Communication System: WLAN5000 a-mode; Frequency: 5320 MHz; Duty Cycle: 1:1; PMF: 1

Medium: HSL5000 Medium parameters used: $f = 5320$ MHz; $\sigma = 4.594$ mho/m; $\epsilon_r = 34.999$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Probe: EX3DV4 - SN3834; ConvF(4.57, 4.57, 4.57); Calibrated: 2012-02-07;
Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used))
Electronics: DAE4 Sn1213; Calibrated: 2012-02-14
Phantom: SAM1; Type: SAM; Serial: TP-1126
Measurement SW: DASY52, Version 52.8 (1)

Date/Time: 2012-08-17 20:49:26

DASY Configuration for LTE - Left/Cheek - Middle - QPSK - 20MHz - 1 RB - 100% offset - Cover CC-3401/Area Scan:

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976171/6

Communication System: LTE1900; Frequency: 1880 MHz; Duty Cycle: 1:1; PMF: 1

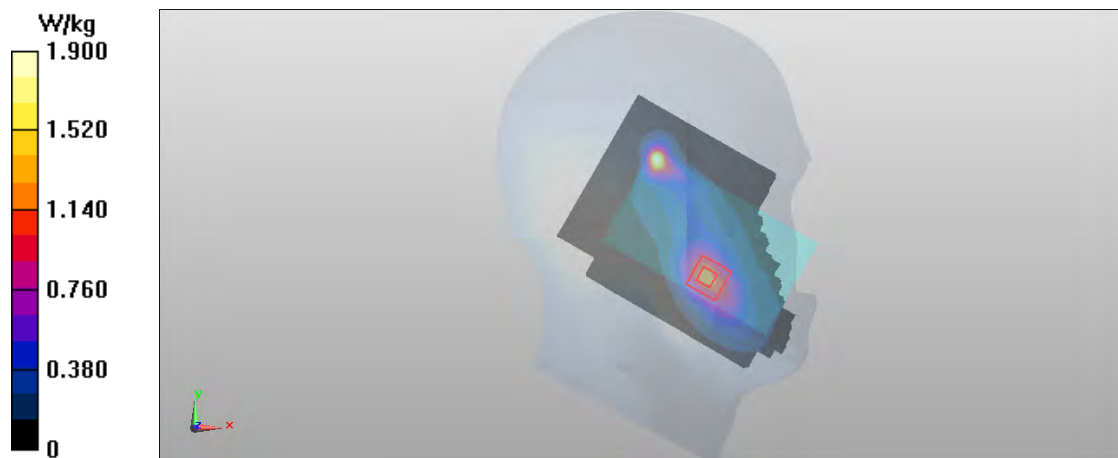
Medium: HSL 1900 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.384$ mho/m; $\epsilon_r = 38.525$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Probe: EX3DV4 - SN3573; ConvF(7.43, 7.43, 7.43); Calibrated: 2012-02-23;
Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))
Electronics: DAE4 Sn538; Calibrated: 2012-08-03
Phantom: SAM 1; Type: Twin SAM 040 CA; Serial: TP-1449
Measurement SW: DASY4, Version 4.7 (80)

Fast SAR of Combined Scans: SAR(1 g) = 1.09 mW/g; SAR(10 g) = 0.622 mW/g

Maximum value of SAR (interpolated) = 1.90 W/kg



APPENDIX B.3: WIRELESS ROUTER MEASUREMENT SCANS

Date/Time: 2012-07-10 03:20:03

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE700

Frequency: 710 MHz; Duty Cycle: 1:1

Medium: BSL750; Medium Notes: t= 21.5

Medium parameters used: f = 710 MHz; σ = 0.979 mho/m; ϵ_r = 54.767; ρ = 1000 kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3165
- ConvF(6.06, 6.06, 6.06); Calibrated: 2012-02-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11
- Phantom: SAM #3 CRP; Type: SAM; Serial: -
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

LTE/Body - Middle - QPSK - 10MHz - 100% RB - Spacer 10mm - No Accessory - Back Facing Phantom/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.245 mW/g

LTE/Body - Middle - QPSK - 10MHz - 100% RB - Spacer 10mm - No Accessory - Back Facing Phantom/Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 11.986 V/m

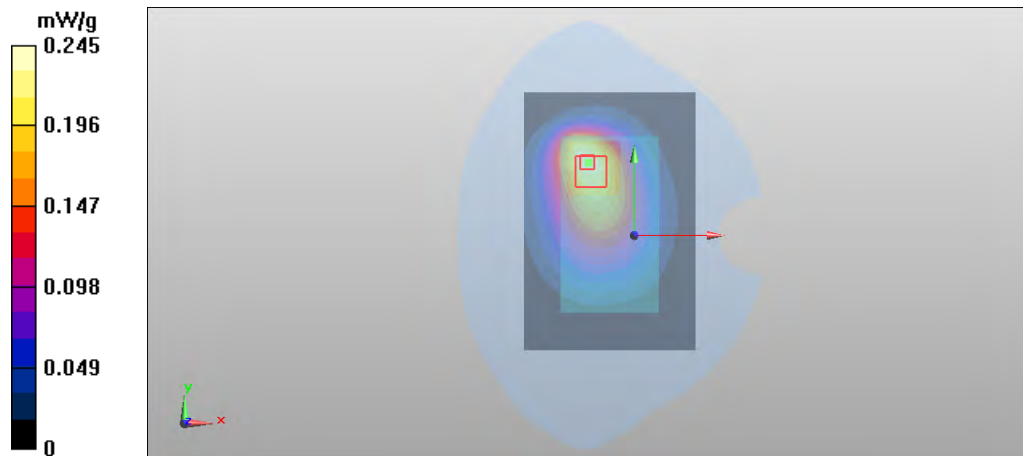
Peak SAR (extrapolated) = 0.318 mW/g

SAR(1 g) = 0.222 mW/g

SAR(10 g) = 0.157 mW/g

Power Drift = -0.08 dB

Maximum value of SAR (measured) = 0.236 mW/g



Date/Time: 2012-07-10 03:45:10

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE700

Frequency: 710 MHz; Duty Cycle: 1:1

Medium: BSL750; Medium Notes: t= 21.5

Medium parameters used: f = 710 MHz; σ = 0.979 mho/m; ϵ_r = 54.767; ρ = 1000 kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3165
- ConvF(6.06, 6.06, 6.06); Calibrated: 2012-02-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11
- Phantom: SAM #3 CRP; Type: SAM; Serial: -
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

LTE/Body - Middle - QPSK - 10MHz – 50% RB - 50% offset - Spacer 10mm - No Accessory - Back Facing

Phantom/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.270 mW/g

LTE/Body - Middle - QPSK - 10MHz – 50% RB - 50% offset - Spacer 10mm - No Accessory - Back Facing

Phantom/Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 12.529 V/m

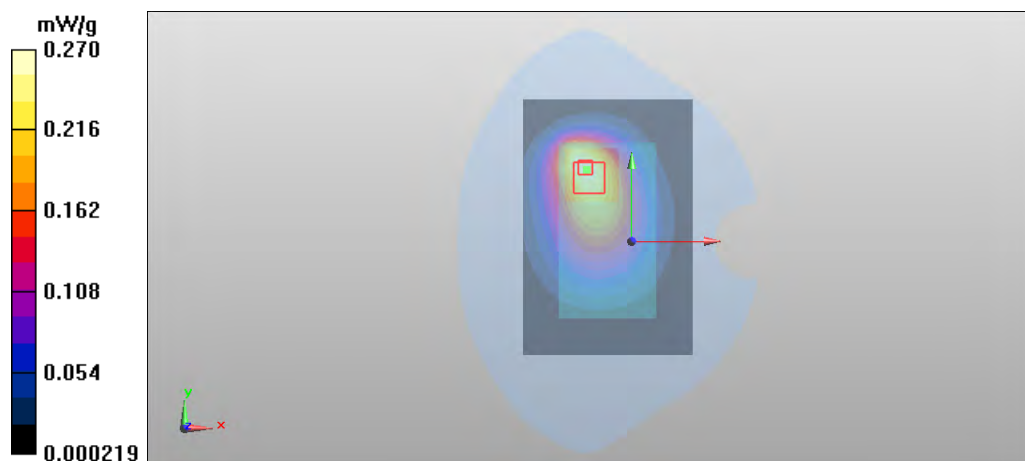
Peak SAR (extrapolated) = 0.353 mW/g

SAR(1 g) = 0.245 mW/g

SAR(10 g) = 0.174 mW/g

Power Drift = -0.03 dB

Maximum value of SAR (measured) = 0.261 mW/g



Date/Time: 2012-07-10 04:06:12

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE700

Frequency: 710 MHz; Duty Cycle: 1:1

Medium: BSL750; Medium Notes: t= 21.5

Medium parameters used: f = 710 MHz; σ = 0.979 mho/m; ϵ_r = 54.767; ρ = 1000 kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3165
- ConvF(6.06, 6.06, 6.06); Calibrated: 2012-02-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11
- Phantom: SAM #3 CRP; Type: SAM; Serial: -
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

LTE/Body - Middle - QPSK - 10MHz - 1 RB - 50% offset - Spacer 10mm - No Accessory - Back Facing

Phantom/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.335 mW/g

LTE/Body - Middle - QPSK - 10MHz - 1 RB - 50% offset - Spacer 10mm - No Accessory - Back Facing

Phantom/Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 13.906 V/m

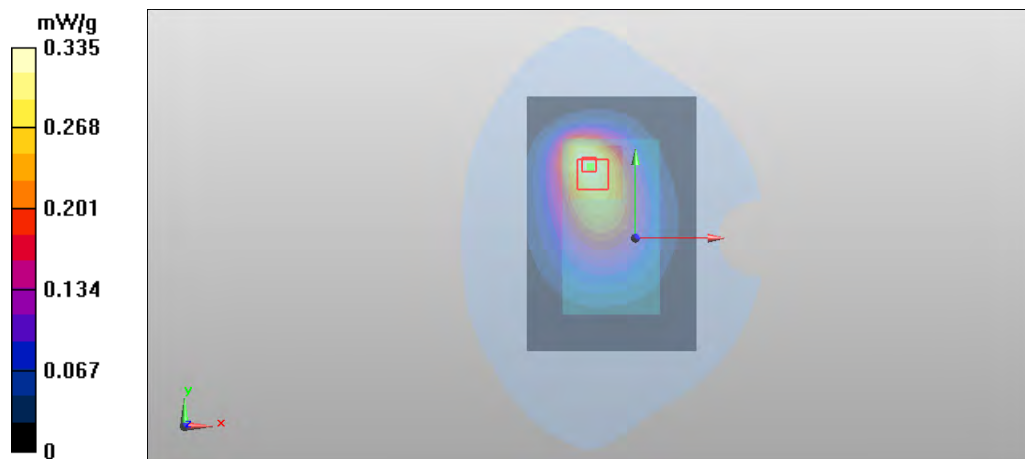
Peak SAR (extrapolated) = 0.433 mW/g

SAR(1 g) = 0.303 mW/g

SAR(10 g) = 0.214 mW/g

Power Drift = 0.01 dB

Maximum value of SAR (measured) = 0.321 mW/g



Date/Time: 2012-07-10 04:26:42

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE700

Frequency: 710 MHz; Duty Cycle: 1:1

Medium: BSL750; Medium Notes: t= 21.5

Medium parameters used: f = 710 MHz; $\sigma = 0.979$ mho/m; $\epsilon_r = 54.767$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3165
- ConvF(6.06, 6.06, 6.06); Calibrated: 2012-02-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11
- Phantom: SAM #3 CRP; Type: SAM; Serial: -
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

LTE/Body - Middle - QPSK - 10MHz - 1 RB - 100% offset - Spacer 10mm - No Accessory - Back Facing

Phantom/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.280 mW/g

LTE/Body - Middle - QPSK - 10MHz - 1 RB - 100% offset - Spacer 10mm - No Accessory - Back Facing

Phantom/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 12.457 V/m

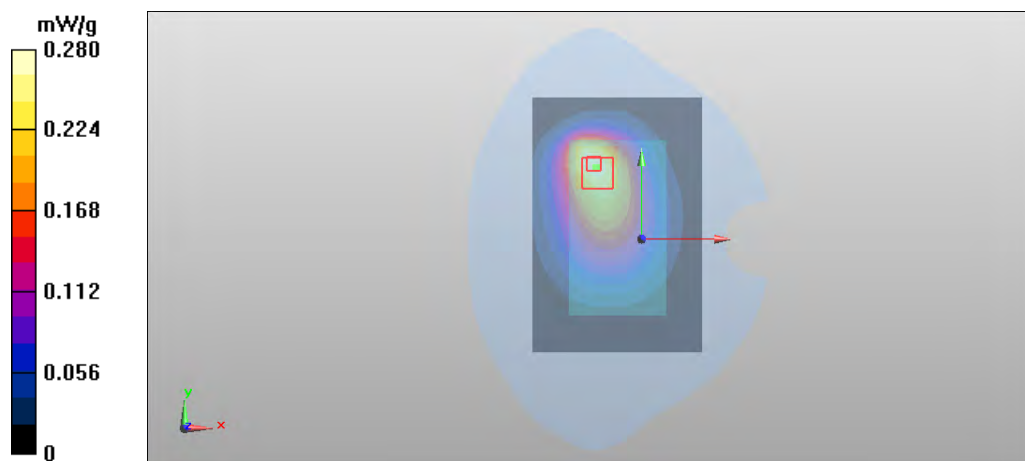
Peak SAR (extrapolated) = 0.376 mW/g

SAR(1 g) = 0.257 mW/g

SAR(10 g) = 0.180 mW/g

Power Drift = 0.04 dB

Maximum value of SAR (measured) = 0.271 mW/g



Date/Time: 2012-07-10 12:49:17

Test Laboratory: TCC Nokia
Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE700

Frequency: 711 MHz; Duty Cycle: 1:1

Medium: BSL750; Medium Notes: t= 21.5

Medium parameters used: f = 711 MHz; $\sigma = 0.979$ mho/m; $\epsilon_r = 54.764$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3165
- ConvF(6.06, 6.06, 6.06); Calibrated: 2012-02-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11
- Phantom: SAM #3 CRP; Type: SAM; Serial: -
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

LTE/Body - High - QPSK - 10MHz - 1 RB - 0% offset - Spacer 10mm - No Accessory - Back Facing Phantom/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.357 mW/g

LTE/Body - High - QPSK - 10MHz - 1 RB - 0% offset - Spacer 10mm - No Accessory - Back Facing Phantom/Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 14.148 V/m

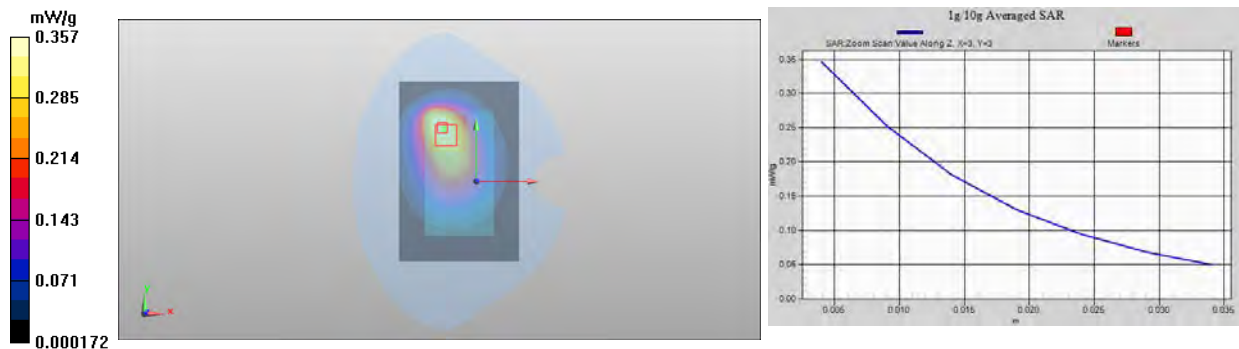
Peak SAR (extrapolated) = 0.474 mW/g

SAR(1 g) = 0.327 mW/g

SAR(10 g) = 0.231 mW/g

Power Drift = 0.04 dB

Maximum value of SAR (measured) = 0.346 mW/g



Date/Time: 2012-07-10 09:27:24

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE700

Frequency: 710 MHz; Duty Cycle: 1:1

Medium: BSL750; Medium Notes: t= 21.5

Medium parameters used: f = 710 MHz; $\sigma = 0.979$ mho/m; $\epsilon_r = 54.767$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3165
- ConvF(6.06, 6.06, 6.06); Calibrated: 2012-02-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11
- Phantom: SAM #3 CRP; Type: SAM; Serial: -
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

LTE/Body - Middle - QPSK - 10MHz - 1 RB - 0% offset - Spacer 10mm - No Accessory - Display Facing

Phantom/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.257 mW/g

LTE/Body - Middle - QPSK - 10MHz - 1 RB - 0% offset - Spacer 10mm - No Accessory - Display Facing

Phantom/Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 12.022 V/m

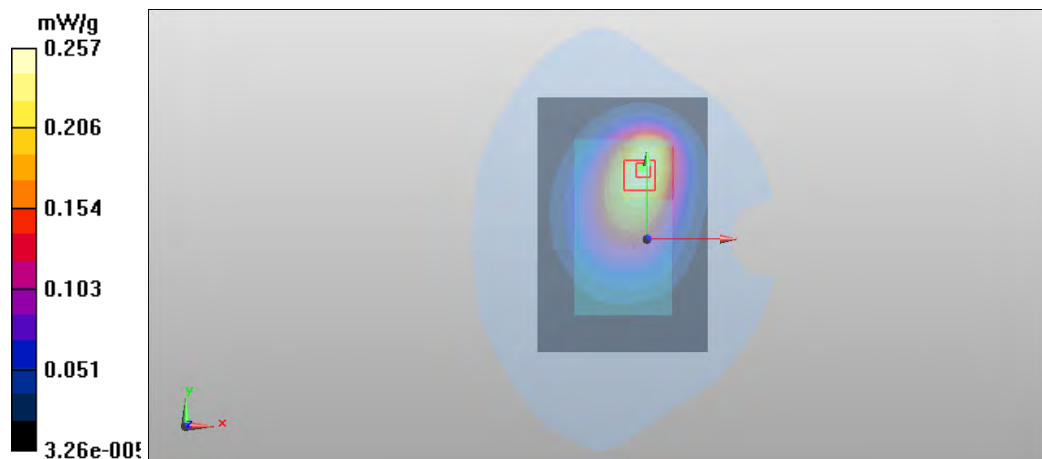
Peak SAR (extrapolated) = 0.325 mW/g

SAR(1 g) = 0.239 mW/g

SAR(10 g) = 0.170 mW/g

Power Drift = 0.02 dB

Maximum value of SAR (measured) = 0.253 mW/g



Date/Time: 2012-07-10 10:43:12

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE700

Frequency: 710 MHz; Duty Cycle: 1:1

Medium: BSL750; Medium Notes: t= 21.5

Medium parameters used: f = 710 MHz; $\sigma = 0.979$ mho/m; $\epsilon_r = 54.767$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3165
- ConvF(6.06, 6.06, 6.06); Calibrated: 2012-02-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11
- Phantom: SAM #3 CRP; Type: SAM; Serial: -
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

LTE/Body - Middle - QPSK - 10MHz - 1RB - 0% offset - Spacer 10mm - No Accessory - Top Edge Facing

Phantom/Area Scan (41x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.0151 mW/g

LTE/Body - Middle - QPSK - 10MHz - 1RB - 0% offset - Spacer 10mm - No Accessory - Top Edge Facing

Phantom/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 3.172 V/m

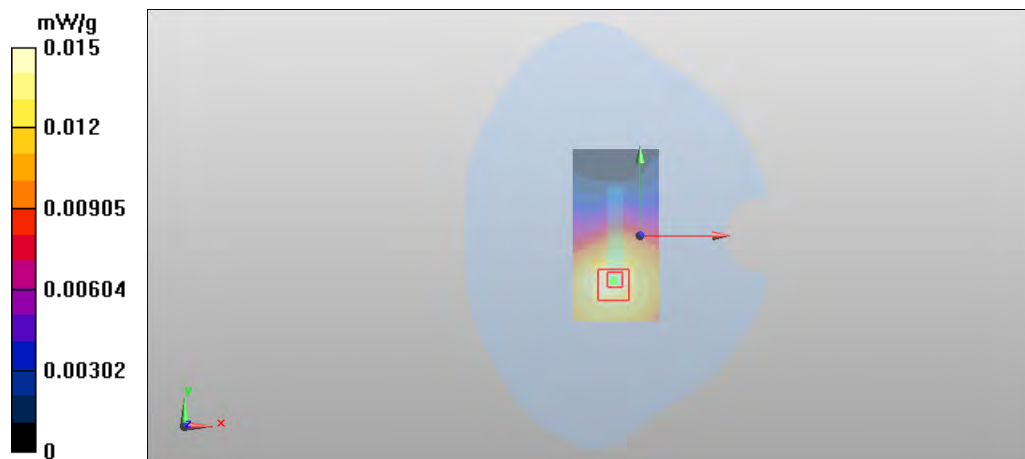
Peak SAR (extrapolated) = 0.020 mW/g

SAR(1 g) = 0.015 mW/g

SAR(10 g) = 0.011 mW/g

Power Drift = -0.06 dB

Maximum value of SAR (measured) = 0.0157 mW/g



Date/Time: 2012-07-10 10:57:25

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE700

Frequency: 710 MHz; Duty Cycle: 1:1

Medium: BSL750; Medium Notes: t= 21.5

Medium parameters used: f = 710 MHz; σ = 0.979 mho/m; ϵ_r = 54.767; ρ = 1000 kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3165
- ConvF(6.06, 6.06, 6.06); Calibrated: 2012-02-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11
- Phantom: SAM #3 CRP; Type: SAM; Serial: -
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

LTE/Body - Middle - QPSK - 10MHz - 1RB - 0% offset - Spacer 10mm - No Accessory - Bottom Edge Facing

Phantom/Area Scan (41x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.182 mW/g

LTE/Body - Middle - QPSK - 10MHz - 1RB - 0% offset - Spacer 10mm - No Accessory - Bottom Edge Facing

Phantom/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 12.261 V/m

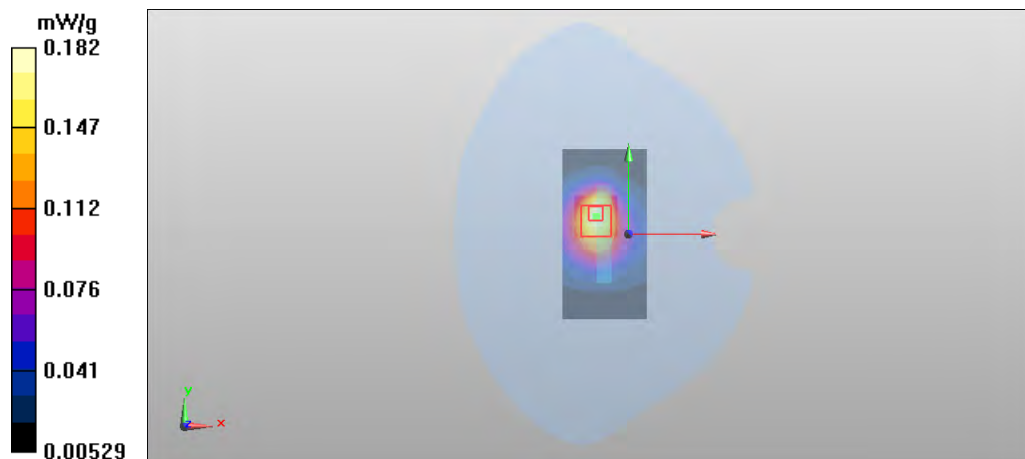
Peak SAR (extrapolated) = 0.279 mW/g

SAR(1 g) = 0.162 mW/g

SAR(10 g) = 0.102 mW/g

Power Drift = 0.08 dB

Maximum value of SAR (measured) = 0.174 mW/g



Date/Time: 2012-07-10 10:20:54

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE700

Frequency: 710 MHz; Duty Cycle: 1:1

Medium: BSL750; Medium Notes: t= 21.5

Medium parameters used: f = 710 MHz; σ = 0.979 mho/m; ϵ_r = 54.767; ρ = 1000 kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3165
- ConvF(6.06, 6.06, 6.06); Calibrated: 2012-02-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11
- Phantom: SAM #3 CRP; Type: SAM; Serial: -
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

LTE/Body - Middle - QPSK - 10MHz - 1RB - 0% offset - Spacer 10mm - No Accessory - Left Edge Facing

Phantom/Area Scan (41x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.224 mW/g

LTE/Body - Middle - QPSK - 10MHz - 1RB - 0% offset - Spacer 10mm - No Accessory - Left Edge Facing

Phantom/Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 13.676 V/m

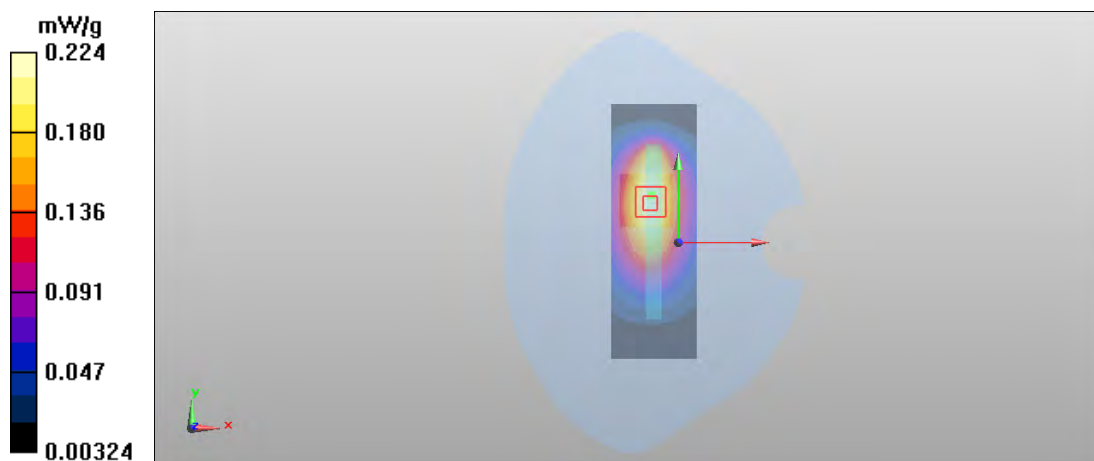
Peak SAR (extrapolated) = 0.293 mW/g

SAR(1 g) = 0.213 mW/g

SAR(10 g) = 0.151 mW/g

Power Drift = -0.01 dB

Maximum value of SAR (measured) = 0.227 mW/g



Date/Time: 2012-07-10 09:50:45

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE700

Frequency: 710 MHz; Duty Cycle: 1:1

Medium: BSL750; Medium Notes: t= 21.5

Medium parameters used: f = 710 MHz; $\sigma = 0.979$ mho/m; $\epsilon_r = 54.767$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3165
- ConvF(6.06, 6.06, 6.06); Calibrated: 2012-02-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11
- Phantom: SAM #3 CRP; Type: SAM; Serial: -
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

LTE/Body - Middle - QPSK - 10MHz - 1RB - 0% offset - Spacer 10mm - No Accessory - Right Edge Facing

Phantom/Area Scan (41x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.0628 mW/g

LTE/Body - Middle - QPSK - 10MHz - 1RB - 0% offset - Spacer 10mm - No Accessory - Right Edge Facing

Phantom/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 7.401 V/m

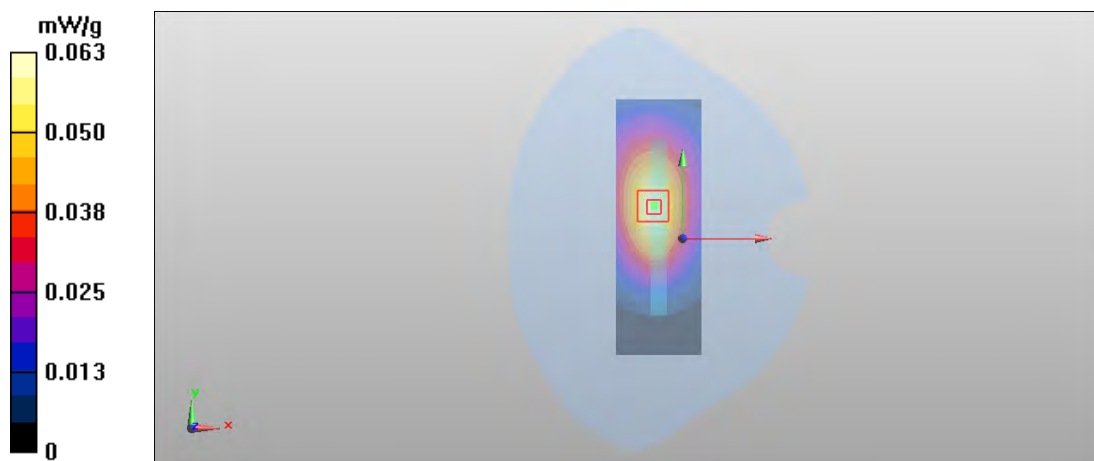
Peak SAR (extrapolated) = 0.079 mW/g

SAR(1 g) = 0.059 mW/g

SAR(10 g) = 0.042 mW/g

Power Drift = -0.01 dB

Maximum value of SAR (measured) = 0.0627 mW/g



Date/Time: 2012-07-10 05:10:12

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE700

Frequency: 710 MHz; Duty Cycle: 1:1

Medium: BSL750; Medium Notes: t= 21.5

Medium parameters used: f = 710 MHz; σ = 0.979 mho/m; ϵ_r = 54.767; ρ = 1000 kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3165
- ConvF(6.06, 6.06, 6.06); Calibrated: 2012-02-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11
- Phantom: SAM #3 CRP; Type: SAM; Serial: -
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

LTE/Body - Middle - 16QAM - 10MHz - 100% RB - Spacer 10mm - No Accessory - Back Facing Phantom/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.191 mW/g

LTE/Body - Middle - 16QAM - 10MHz - 100% RB - Spacer 10mm - No Accessory - Back Facing Phantom/Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 10.339 V/m

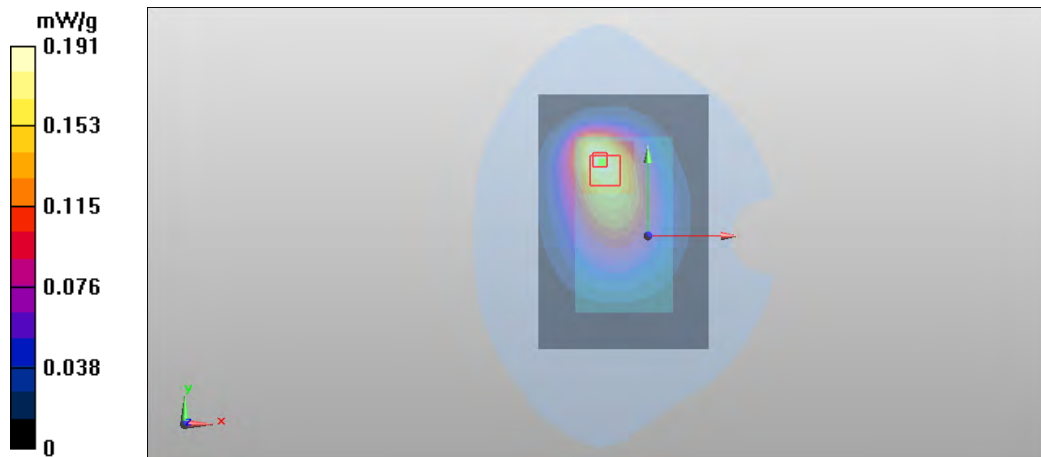
Peak SAR (extrapolated) = 0.254 mW/g

SAR(1 g) = 0.175 mW/g

SAR(10 g) = 0.123 mW/g

Power Drift = 0.10 dB

Maximum value of SAR (measured) = 0.186 mW/g



Date/Time: 2012-07-10 05:30:21

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE700

Frequency: 710 MHz; Duty Cycle: 1:1

Medium: BSL750; Medium Notes: t= 21.5

Medium parameters used: f = 710 MHz; σ = 0.979 mho/m; ϵ_r = 54.767; ρ = 1000 kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3165
- ConvF(6.06, 6.06, 6.06); Calibrated: 2012-02-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11
- Phantom: SAM #3 CRP; Type: SAM; Serial: -
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

**LTE/Body - Middle - 16QAM - 10MHz - 50% RB - 50% offset - Spacer 10mm - No Accessory - Back Facing
Phantom/Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.216 mW/g

**LTE/Body - Middle - 16QAM - 10MHz - 50% RB - 50% offset - Spacer 10mm - No Accessory - Back Facing
Phantom/Zoom Scan (6x6x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 11.154 V/m

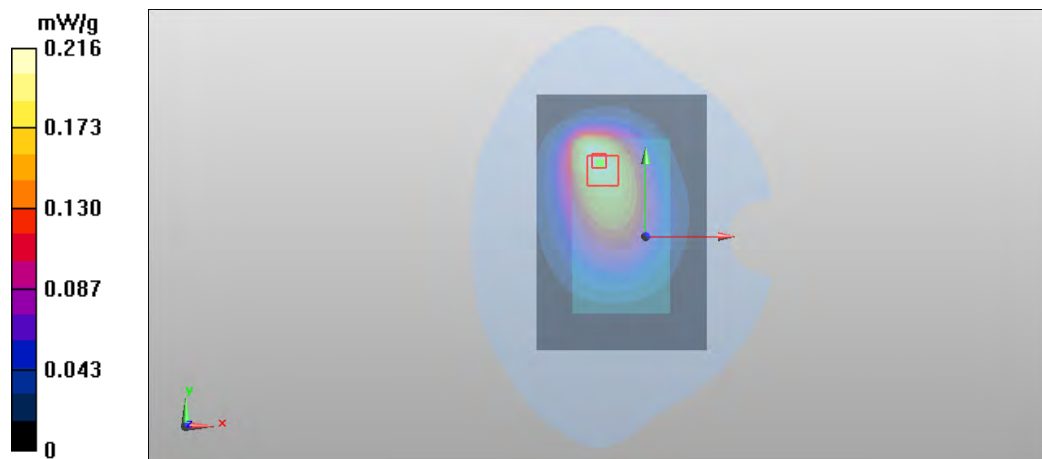
Peak SAR (extrapolated) = 0.288 mW/g

SAR(1 g) = 0.197 mW/g

SAR(10 g) = 0.139 mW/g

Power Drift = 0.03 dB

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



Date/Time: 2012-07-10 05:50:37

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE700

Frequency: 710 MHz; Duty Cycle: 1:1

Medium: BSL750; Medium Notes: t= 21.5

Medium parameters used: f = 710 MHz; σ = 0.979 mho/m; ϵ_r = 54.767; ρ = 1000 kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3165
- ConvF(6.06, 6.06, 6.06); Calibrated: 2012-02-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11
- Phantom: SAM #3 CRP; Type: SAM; Serial: -
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

LTE/Body - Middle - 16QAM - 10MHz - 1 RB - 50% offset - Spacer 10mm - No Accessory - Back Facing

Phantom/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.247 mW/g

LTE/Body - Middle - 16QAM - 10MHz - 1 RB - 50% offset - Spacer 10mm - No Accessory - Back Facing

Phantom/Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 11.957 V/m

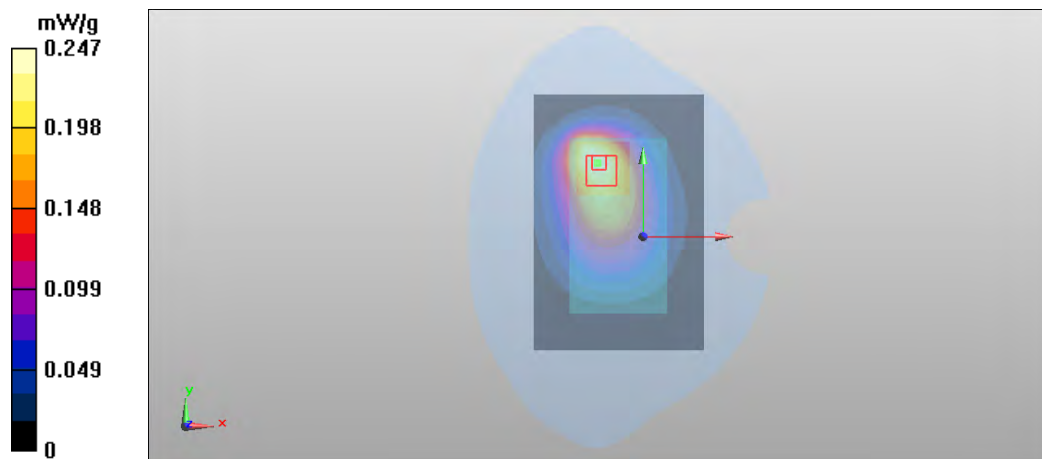
Peak SAR (extrapolated) = 0.336 mW/g

SAR(1 g) = 0.233 mW/g

SAR(10 g) = 0.162 mW/g

Power Drift = 0.19 dB

Maximum value of SAR (measured) = 0.248 mW/g



Date/Time: 2012-07-10 08:37:46

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE700

Frequency: 710 MHz; Duty Cycle: 1:1

Medium: BSL750; Medium Notes: t= 21.5

Medium parameters used: f = 710 MHz; σ = 0.979 mho/m; ϵ_r = 54.767; ρ = 1000 kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3165
- ConvF(6.06, 6.06, 6.06); Calibrated: 2012-02-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11
- Phantom: SAM #3 CRP; Type: SAM; Serial: -
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

LTE/Body - Middle - 16QAM - 10MHz - 1 RB - 100% offset - Spacer 10mm - No Accessory - Back Facing

Phantom/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.234 mW/g

LTE/Body - Middle - 16QAM - 10MHz - 1 RB - 100% offset - Spacer 10mm - No Accessory - Back Facing

Phantom/Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 10.354 V/m

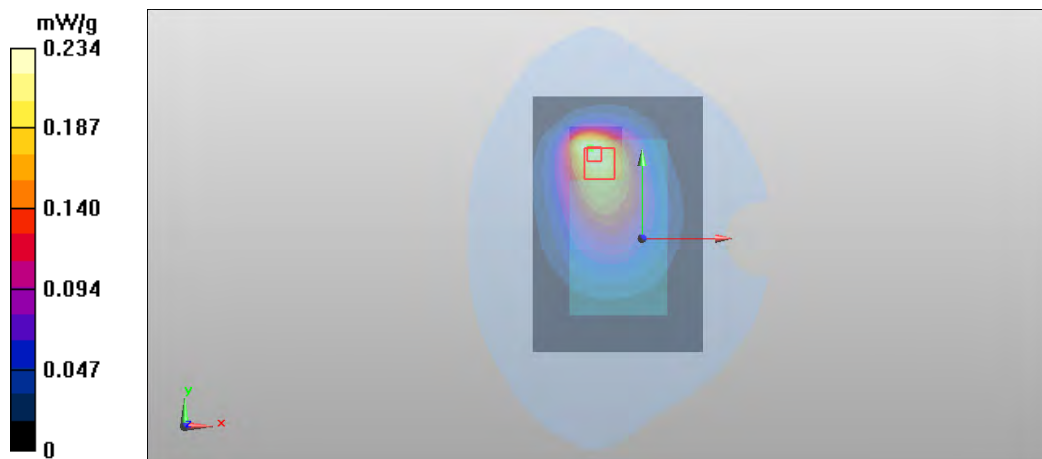
Peak SAR (extrapolated) = 0.337 mW/g

SAR(1 g) = 0.214 mW/g

SAR(10 g) = 0.145 mW/g

Power Drift = 0.13 dB

Maximum value of SAR (measured) = 0.226 mW/g



Date/Time: 2012-07-10 08:57:23

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE700

Frequency: 710 MHz; Duty Cycle: 1:1

Medium: BSL750; Medium Notes: t= 21.5

Medium parameters used: f = 710 MHz; σ = 0.979 mho/m; ϵ_r = 54.767; ρ = 1000 kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3165
- ConvF(6.06, 6.06, 6.06); Calibrated: 2012-02-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11
- Phantom: SAM #3 CRP; Type: SAM; Serial: -
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

LTE/Body - Middle - 16QAM - 10MHz - 1 RB - 0% offset - Spacer 10mm - No Accessory - Back Facing

Phantom/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.291 mW/g

LTE/Body - Middle - 16QAM - 10MHz - 1 RB - 0% offset - Spacer 10mm - No Accessory - Back Facing

Phantom/Zoom Scan (6x7x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 12.318 V/m

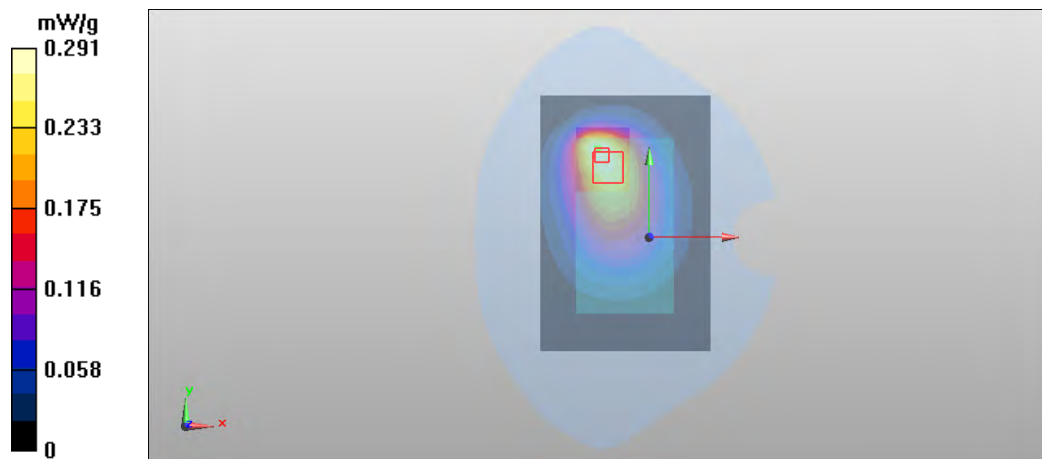
Peak SAR (extrapolated) = 0.425 mW/g

SAR(1 g) = 0.267 mW/g

SAR(10 g) = 0.186 mW/g

Power Drift = -0.01 dB

Maximum value of SAR (measured) = 0.281 mW/g



Date/Time: 2012-08-22 19:13:19

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE700

Frequency: 711 MHz; Duty Cycle: 1:1

Medium: BSL750; Medium Notes: $t = 21.0$ C

Medium parameters used: $f = 711$ MHz; $\sigma = 0.979$ mho/m; $\epsilon_r = 54.052$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3165
- ConvF(6.06, 6.06, 6.06); Calibrated: 2012-02-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11
- Phantom: SAM #3 CRP; Type: SAM;
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.6 (6824)

LTE/Body - High - QPSK - 10MHz - 1 RB - 0% offset - Spacer 10mm - No Accessory - Back Facing Phantom – Cover CC-3401/Area Scan (81x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.310 W/kg

LTE/Body - High - QPSK - 10MHz - 1 RB - 0% offset - Spacer 10mm - No Accessory - Back Facing Phantom – Cover CC-3401/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 11.345 V/m

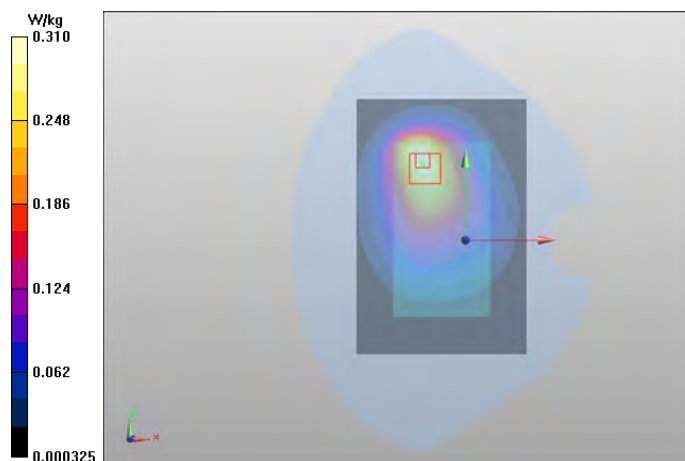
Peak SAR (extrapolated) = 0.417 mW/g

SAR(1 g) = 0.287 mW/g

SAR(10 g) = 0.197 mW/g

Power Drift = 0.14 dB

Maximum value of SAR (measured) = 0.304 W/kg



Date/Time: 2012-07-08 23:42:15

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976081/7

Communication System: 2-slot GPRS850

Frequency: 848.8 MHz; Duty Cycle: 1:4.19952

Medium: BSL850; Medium Notes: t= 21.3 C

Medium parameters used: f = 849 MHz; σ = 1.015 mho/m; ϵ_r = 53.719; ρ = 1000 kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3131
- ConvF(5.92, 5.92, 5.92); Calibrated: 2011-09-14;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1316; Calibrated: 2012-02-15
- Phantom: SAM 3; Type: Twin SAM 040 CA; Serial: TP-1179
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

2-slot GPRS/Body - High - Spacer 10mm - No Accessory - Back Facing Phantom/Area Scan (81x121x1):

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.812 mW/g

2-slot GPRS/Body - High - Spacer 10mm - No Accessory - Back Facing Phantom/Zoom Scan (5x5x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 26.292 V/m

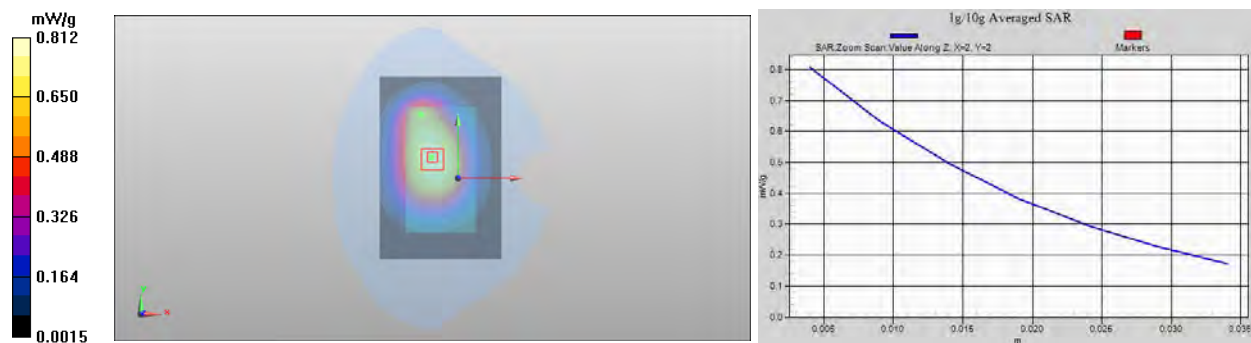
Peak SAR (extrapolated) = 0.967 mW/g

SAR(1 g) = 0.770 mW/g

SAR(10 g) = 0.586 mW/g

Power Drift = 0.07 dB

Maximum value of SAR (measured) = 0.807 mW/g



Date/Time: 2012-07-07 17:46:11

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976081/7

Communication System: 2-slot GPRS850

Frequency: 836.6 MHz; Duty Cycle: 1:4.19952

Medium: BSL850; Medium Notes: t= 21.3 C

Medium parameters used: f = 837 MHz; σ = 1.005 mho/m; ϵ_r = 52.899; ρ = 1000 kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3131
- ConvF(5.92, 5.92, 5.92); Calibrated: 2011-09-14;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1316; Calibrated: 2012-02-15
- Phantom: SAM 3; Type: Twin SAM 040 CA; Serial: TP-1179
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

2-slot GPRS/Body - Middle - Spacer 10mm - No Accessory - Display Facing Phantom/Area Scan (81x121x1):

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.519 mW/g

2-slot GPRS/Body - Middle - Spacer 10mm - No Accessory - Display Facing Phantom/Zoom Scan (5x5x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 21.224 V/m

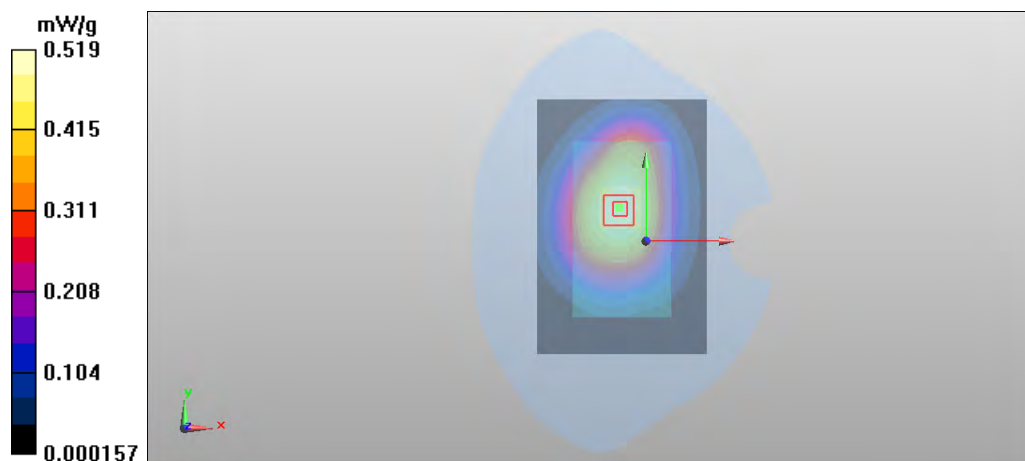
Peak SAR (extrapolated) = 0.596 mW/g

SAR(1 g) = 0.487 mW/g

SAR(10 g) = 0.375 mW/g

Power Drift = -0.11 dB

Maximum value of SAR (measured) = 0.509 mW/g



Date/Time: 2012-07-07 18:10:51

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976081/7

Communication System: 2-slot GPRS850

Frequency: 836.6 MHz; Duty Cycle: 1:4.19952

Medium: BSL850; Medium Notes: t= 21.3 C

Medium parameters used: f = 837 MHz; σ = 1.005 mho/m; ϵ_r = 52.899; ρ = 1000 kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3131
- ConvF(5.92, 5.92, 5.92); Calibrated: 2011-09-14;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1316; Calibrated: 2012-02-15
- Phantom: SAM 3; Type: Twin SAM 040 CA; Serial: TP-1179
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

2-slot GPRS/Body - Middle - Spacer 10mm - No Accessory - Top Edge Facing Phantom/Area Scan (41x81x1):

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.0388 mW/g

2-slot GPRS/Body - Middle - Spacer 10mm - No Accessory - Top Edge Facing Phantom/Zoom Scan (5x5x7)/Cube

0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 4.961 V/m

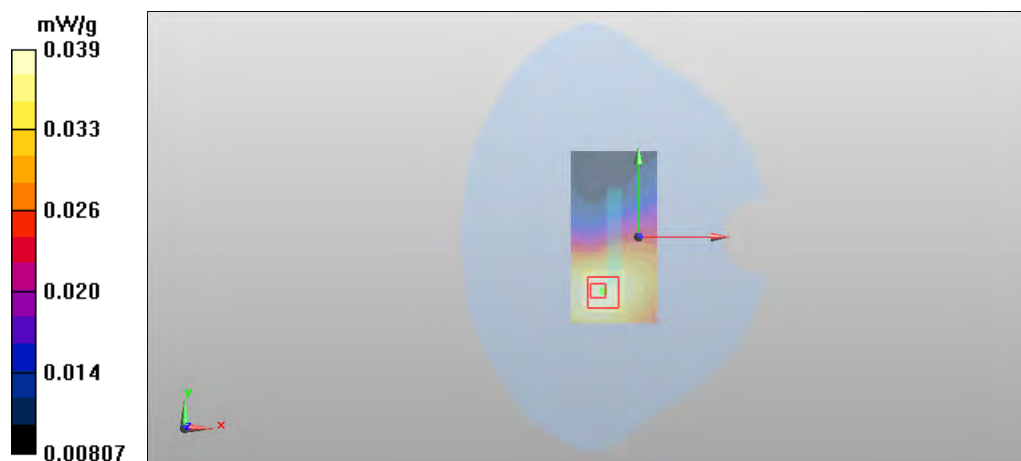
Peak SAR (extrapolated) = 0.049 mW/g

SAR(1 g) = 0.038 mW/g

SAR(10 g) = 0.029 mW/g

Power Drift = -0.02 dB

Maximum value of SAR (measured) = 0.0406 mW/g



Date/Time: 2012-07-07 18:23:54

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976081/7

Communication System: 2-slot GPRS850

Frequency: 836.6 MHz; Duty Cycle: 1:4.19952

Medium: BSL850; Medium Notes: t= 21.3 C

Medium parameters used: f = 837 MHz; σ = 1.005 mho/m; ϵ_r = 52.899; ρ = 1000 kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3131
- ConvF(5.92, 5.92, 5.92); Calibrated: 2011-09-14;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1316; Calibrated: 2012-02-15
- Phantom: SAM 3; Type: Twin SAM 040 CA; Serial: TP-1179
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

2-slot GPRS/Body - Middle - Spacer 10mm - No Accessory - Bottom Edge Facing Phantom/Area Scan (41x81x1):

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.314 mW/g

2-slot GPRS/Body - Middle - Spacer 10mm - No Accessory - Bottom Edge Facing Phantom/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 14.473 V/m

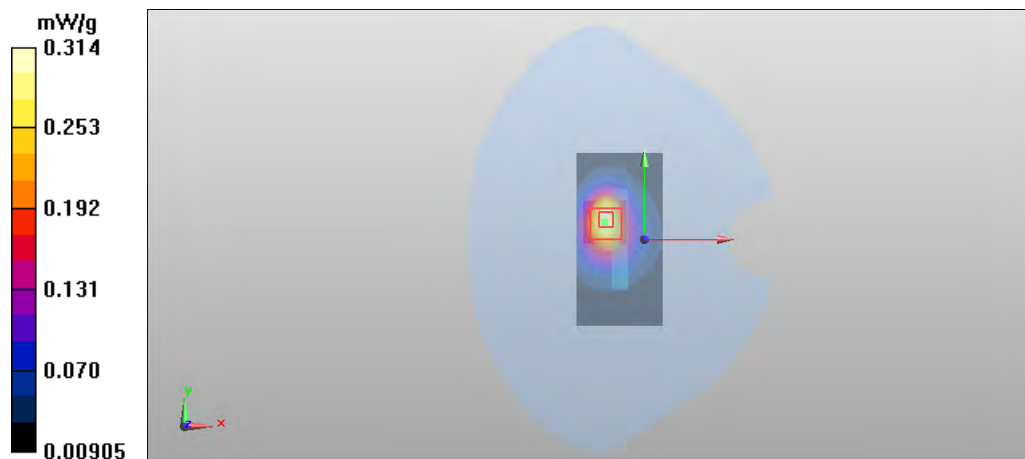
Peak SAR (extrapolated) = 0.466 mW/g

SAR(1 g) = 0.278 mW/g

SAR(10 g) = 0.166 mW/g

Power Drift = -0.11 dB

Maximum value of SAR (measured) = 0.305 mW/g



Date/Time: 2012-07-07 18:59:40

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976081/7

Communication System: 2-slot GPRS850

Frequency: 836.6 MHz; Duty Cycle: 1:4.19952

Medium: BSL850; Medium Notes: t= 21.3 C

Medium parameters used: f = 837 MHz; σ = 1.005 mho/m; ϵ_r = 52.899; ρ = 1000 kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3131
- ConvF(5.92, 5.92, 5.92); Calibrated: 2011-09-14;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1316; Calibrated: 2012-02-15
- Phantom: SAM 3; Type: Twin SAM 040 CA; Serial: TP-1179
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

2-slot GPRS/Body - Middle - Spacer 10mm - No Accessory - Left Edge Facing Phantom/Area Scan (41x121x1):

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.658 mW/g

2-slot GPRS/Body - Middle - Spacer 10mm - No Accessory - Left Edge Facing Phantom/Zoom Scan (6x6x7)/Cube

0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 25.089 V/m

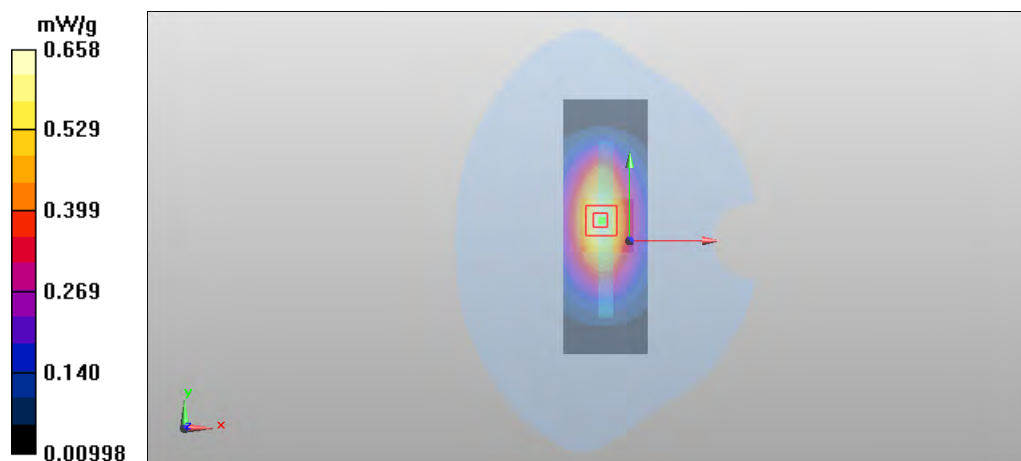
Peak SAR (extrapolated) = 0.844 mW/g

SAR(1 g) = 0.619 mW/g

SAR(10 g) = 0.433 mW/g

Power Drift = -0.05 dB

Maximum value of SAR (measured) = 0.665 mW/g



Date/Time: 2012-07-07 18:40:34

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976081/7

Communication System: 2-slot GPRS850

Frequency: 836.6 MHz; Duty Cycle: 1:4.19952

Medium: BSL850; Medium Notes: t= 21.3 C

Medium parameters used: f = 837 MHz; σ = 1.005 mho/m; ϵ_r = 52.899; ρ = 1000 kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3131
- ConvF(5.92, 5.92, 5.92); Calibrated: 2011-09-14;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1316; Calibrated: 2012-02-15
- Phantom: SAM 3; Type: Twin SAM 040 CA; Serial: TP-1179
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

2-slot GPRS/Body - Middle - Spacer 10mm - No Accessory - Right Edge Facing Phantom/Area Scan (41x121x1):

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.292 mW/g

2-slot GPRS/Body - Middle - Spacer 10mm - No Accessory - Right Edge Facing Phantom/Zoom Scan

(6x6x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 16.698 V/m

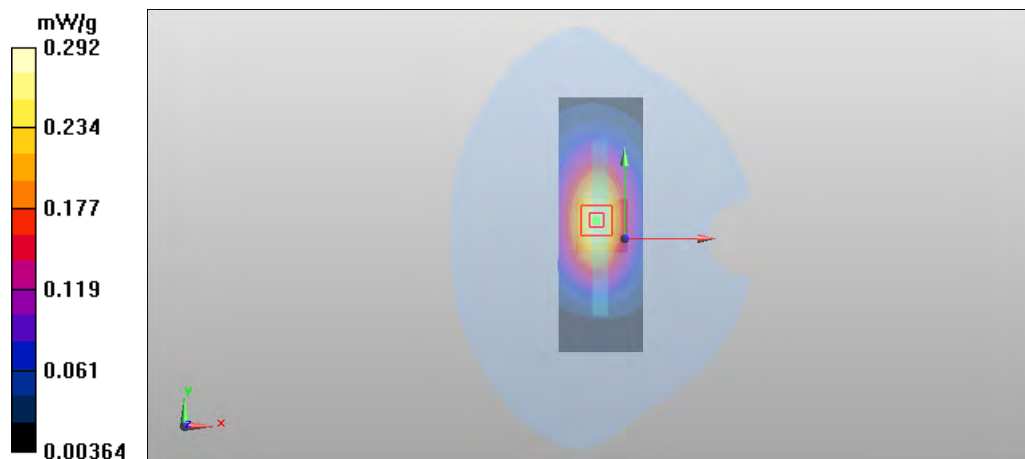
Peak SAR (extrapolated) = 0.368 mW/g

SAR(1 g) = 0.271 mW/g

SAR(10 g) = 0.189 mW/g

Power Drift = -0.04 dB

Maximum value of SAR (measured) = 0.290 mW/g



Date/Time: 2012-07-07 14:46:27

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976081/7

Communication System: WCDMA850

Frequency: 846.6 MHz; Duty Cycle: 1:1

Medium: BSL850; Medium Notes: t= 21.3 C

Medium parameters used: f = 847 MHz; $\sigma = 1.011$ mho/m; $\epsilon_r = 52.824$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3131
- ConvF(5.92, 5.92, 5.92); Calibrated: 2011-09-14;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1316; Calibrated: 2012-02-15
- Phantom: SAM 3; Type: Twin SAM 040 CA; Serial: TP-1179
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

WCDMA/Body - High - Spacer 10mm - No Accessory - Back Facing Phantom/Area Scan (81x121x1):

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.461 mW/g

WCDMA/Body - High - Spacer 10mm - No Accessory - Back Facing Phantom/Zoom Scan (5x5x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 19.941 V/m

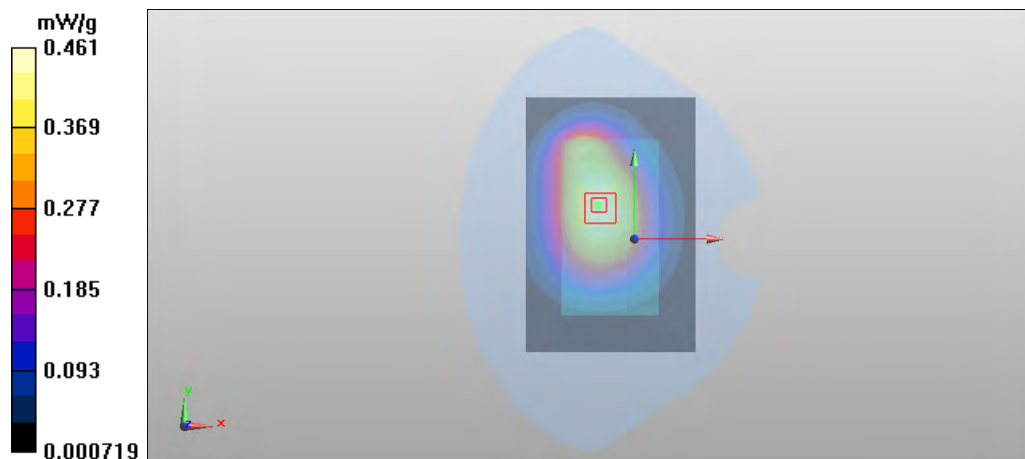
Peak SAR (extrapolated) = 0.531 mW/g

SAR(1 g) = 0.430 mW/g

SAR(10 g) = 0.327 mW/g

Power Drift = -0.08 dB

Maximum value of SAR (measured) = 0.454 mW/g



Date/Time: 2012-07-07 12:31:13

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976081/7

Communication System: WCDMA850

Frequency: 835 MHz; Duty Cycle: 1:1

Medium: BSL850; Medium Notes: $t = 21.3$ C

Medium parameters used: $f = 835$ MHz; $\sigma = 1.004$ mho/m; $\epsilon_r = 52.914$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3131
- ConvF(5.92, 5.92, 5.92); Calibrated: 2011-09-14;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1316; Calibrated: 2012-02-15
- Phantom: SAM 3; Type: Twin SAM 040 CA; Serial: TP-1179
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

WCDMA/Body - Middle - Spacer 10mm - No Accessory - Display Facing Phantom/Area Scan (81x121x1):

Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (interpolated) = 0.260 mW/g

WCDMA/Body - Middle - Spacer 10mm - No Accessory - Display Facing Phantom/Zoom Scan (5x5x7)/Cube 0:

Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 15.338 V/m

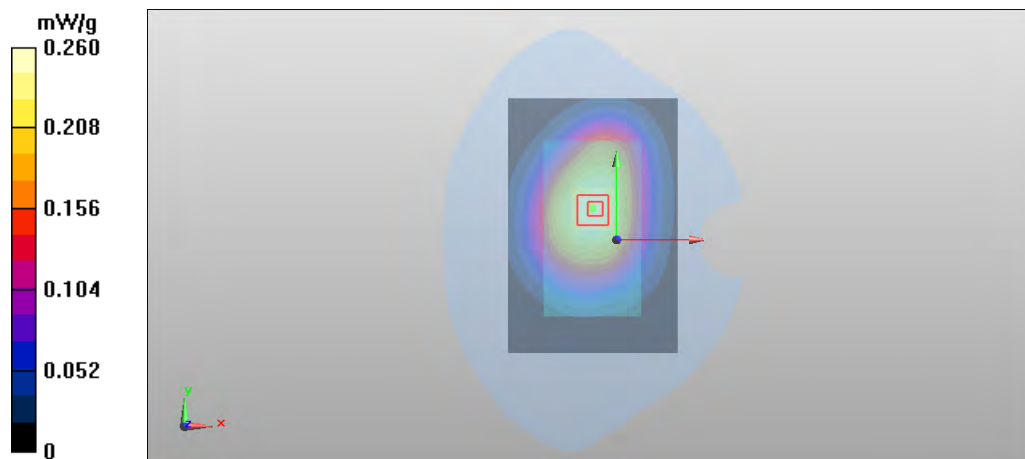
Peak SAR (extrapolated) = 0.298 mW/g

SAR(1 g) = 0.244 mW/g

SAR(10 g) = 0.188 mW/g

Power Drift = -0.09 dB

Maximum value of SAR (measured) = 0.257 mW/g



Date/Time: 2012-07-07 13:02:58

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976081/7

Communication System: WCDMA850

Frequency: 835 MHz; Duty Cycle: 1:1

Medium: BSL850; Medium Notes: t= 21.3 C

Medium parameters used: f = 835 MHz; σ = 1.004 mho/m; ϵ_r = 52.914; ρ = 1000 kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3131
- ConvF(5.92, 5.92, 5.92); Calibrated: 2011-09-14;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1316; Calibrated: 2012-02-15
- Phantom: SAM 3; Type: Twin SAM 040 CA; Serial: TP-1179
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

WCDMA/Body - Middle - Spacer 10mm - No Accessory - Top Edge Facing Phantom/Area Scan (41x81x1):

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.0182 mW/g

WCDMA/Body - Middle - Spacer 10mm - No Accessory - Top Edge Facing Phantom/Zoom Scan (5x5x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 3.138 V/m

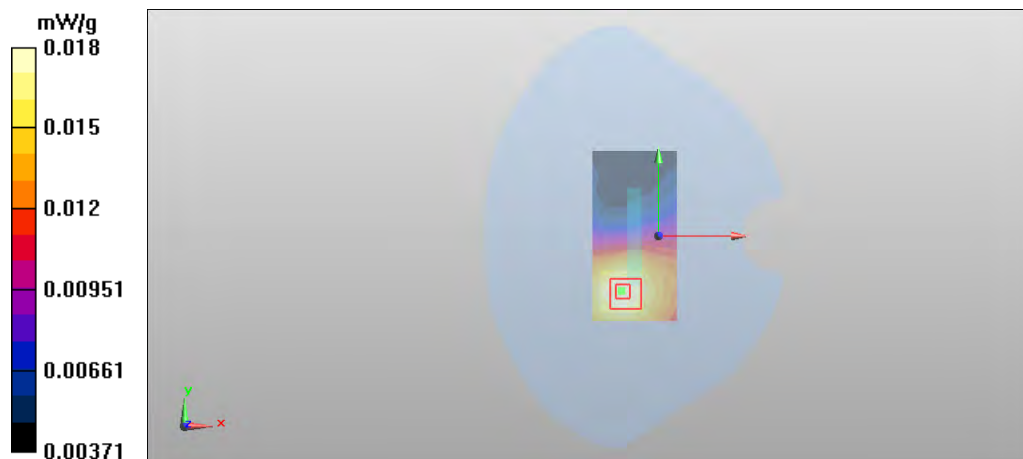
Peak SAR (extrapolated) = 0.021 mW/g

SAR(1 g) = 0.017 mW/g

SAR(10 g) = 0.012 mW/g

Power Drift = 0.07 dB

Maximum value of SAR (measured) = 0.0178 mW/g



Date/Time: 2012-07-07 13:16:30

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976081/7

Communication System: WCDMA850

Frequency: 835 MHz; Duty Cycle: 1:1

Medium: BSL850; Medium Notes: $t = 21.3$ C

Medium parameters used: $f = 835$ MHz; $\sigma = 1.004$ mho/m; $\epsilon_r = 52.914$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3131
- ConvF(5.92, 5.92, 5.92); Calibrated: 2011-09-14;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1316; Calibrated: 2012-02-15
- Phantom: SAM 3; Type: Twin SAM 040 CA; Serial: TP-1179
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

WCDMA/Body - Middle - Spacer 10mm - No Accessory - Bottom Edge Facing Phantom/Area Scan (41x81x1):

Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (interpolated) = 0.166 mW/g

WCDMA/Body - Middle - Spacer 10mm - No Accessory - Bottom Edge Facing Phantom/Zoom Scan (5x5x7)/Cube

0: Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 10.917 V/m

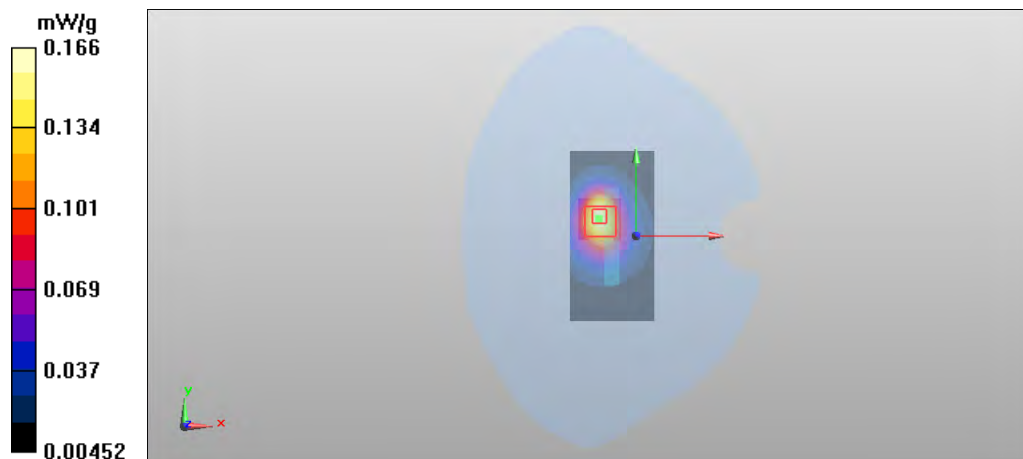
Peak SAR (extrapolated) = 0.252 mW/g

SAR(1 g) = 0.147 mW/g

SAR(10 g) = 0.087 mW/g

Power Drift = -0.06 dB

Maximum value of SAR (measured) = 0.160 mW/g



Date/Time: 2012-07-07 13:57:34

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976081/7

Communication System: WCDMA850

Frequency: 835 MHz; Duty Cycle: 1:1

Medium: BSL850; Medium Notes: t= 21.3 C

Medium parameters used: f = 835 MHz; σ = 1.004 mho/m; ϵ_r = 52.914; ρ = 1000 kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3131
- ConvF(5.92, 5.92, 5.92); Calibrated: 2011-09-14;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1316; Calibrated: 2012-02-15
- Phantom: SAM 3; Type: Twin SAM 040 CA; Serial: TP-1179
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

WCDMA/Body - Middle - Spacer 10mm - No Accessory - Left Edge Facing Phantom/Area Scan (41x121x1):

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.355 mW/g

WCDMA/Body - Middle - Spacer 10mm - No Accessory - Left Edge Facing Phantom/Zoom Scan (6x6x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 17.909 V/m

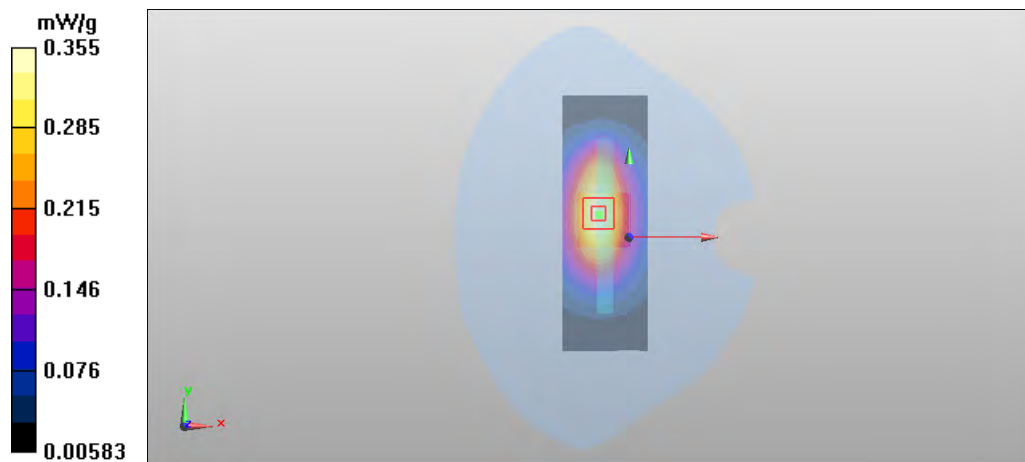
Peak SAR (extrapolated) = 0.451 mW/g

SAR(1 g) = 0.334 mW/g

SAR(10 g) = 0.234 mW/g

Power Drift = -0.06 dB

Maximum value of SAR (measured) = 0.357 mW/g



Date/Time: 2012-07-07 13:39:16

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976081/7

Communication System: WCDMA850

Frequency: 835 MHz; Duty Cycle: 1:1

Medium: BSL850; Medium Notes: $t = 21.3$ C

Medium parameters used: $f = 835$ MHz; $\sigma = 1.004$ mho/m; $\epsilon_r = 52.914$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3131
- ConvF(5.92, 5.92, 5.92); Calibrated: 2011-09-14;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1316; Calibrated: 2012-02-15
- Phantom: SAM 3; Type: Twin SAM 040 CA; Serial: TP-1179
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

WCDMA/Body - Middle - Spacer 10mm - No Accessory - Right Edge Facing Phantom/Area Scan (41x121x1):

Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (interpolated) = 0.154 mW/g

WCDMA/Body - Middle - Spacer 10mm - No Accessory - Right Edge Facing Phantom/Zoom Scan (6x6x7)/Cube 0:

Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 12.111 V/m

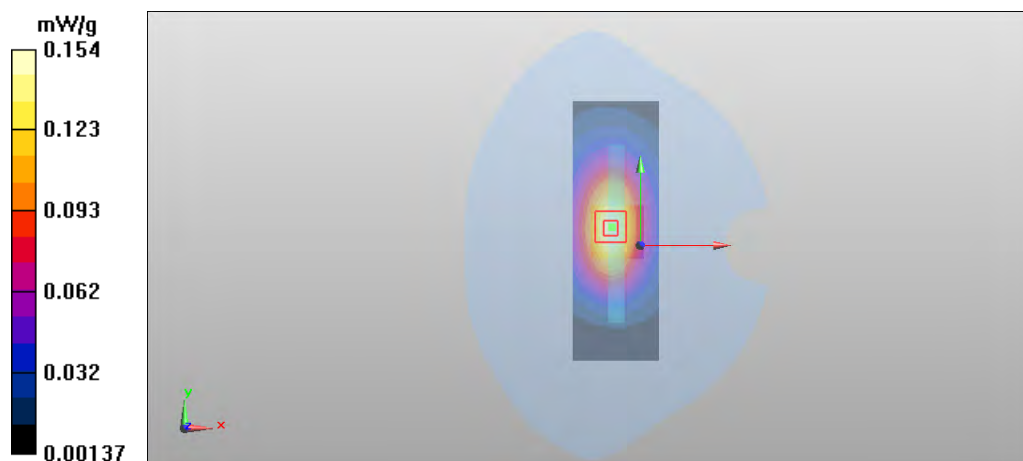
Peak SAR (extrapolated) = 0.189 mW/g

SAR(1 g) = 0.140 mW/g

SAR(10 g) = 0.098 mW/g

Power Drift = -0.15 dB

Maximum value of SAR (measured) = 0.150 mW/g



Date/Time: 2012-08-21 16:10:41

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976081/7

Communication System: 2-slot GPRS850

Frequency: 848.8 MHz; Duty Cycle: 1:4.19952

Medium: BSL850; Medium Notes: t= 21.0 C

Medium parameters used: f = 849 MHz; σ = 1.002 mho/m; ϵ_r = 52.897; ρ = 1000 kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3790
- ConvF(8.54, 8.54, 8.54); Calibrated: 2012-04-27;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1316; Calibrated: 2012-02-15
- Phantom: SAM 3; Type: Twin SAM 040 CA; Serial: TP-1179
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.6 (6824)

2-slot GPRS/Body - High - Spacer 10mm - No Accessory - Back Facing Phantom – Cover CC-3401/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.659 W/kg

2-slot GPRS/Body - High - Spacer 10mm - No Accessory - Back Facing Phantom – Cover CC-3401/Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 22.249 V/m

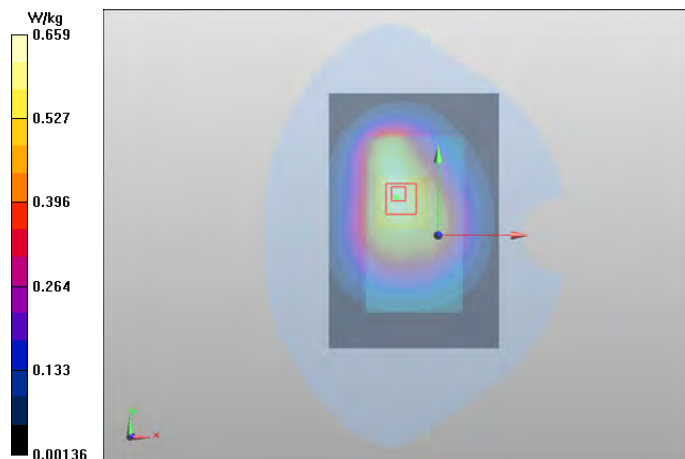
Peak SAR (extrapolated) = 0.836 mW/g

SAR(1 g) = 0.626 mW/g

SAR(10 g) = 0.460 mW/g

Power Drift = 0.12 dB

Maximum value of SAR (measured) = 0.660 W/kg



Date/Time: 2012-08-17 21:21:07

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976156/7

Communication System: LTE850

Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: BSL850; Medium Notes: $t = 21.0$ C

Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.989$ mho/m; $\epsilon_r = 53.26$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3790
- ConvF(8.54, 8.54, 8.54); Calibrated: 2012-04-27;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1316; Calibrated: 2012-02-15
- Phantom: SAM 3; Type: Twin SAM 040 CA; Serial: TP-1179
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.6 (6824)

LTE/Body - Middle - Spacer 10mm - QPSK - 10MHz - 100% RB - No Accessory - Back Facing Phantom/Area Scan (81x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.322 W/kg

LTE/Body - Middle - Spacer 10mm - QPSK - 10MHz - 100% RB - No Accessory - Back Facing Phantom/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 17.338 V/m

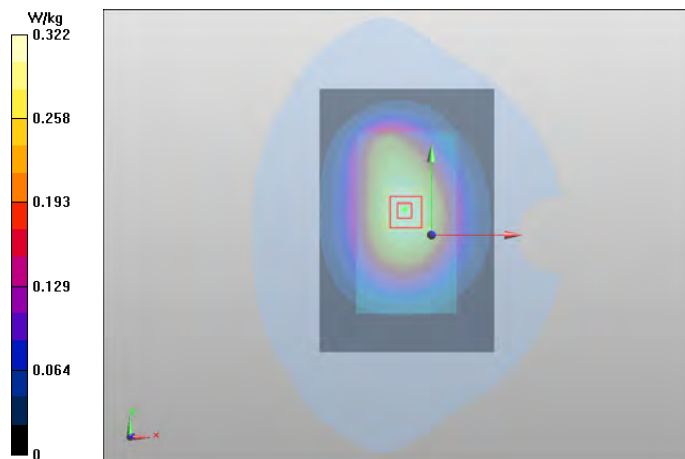
Peak SAR (extrapolated) = 0.368 mW/g

SAR(1 g) = 0.301 mW/g

SAR(10 g) = 0.230 mW/g

Power Drift = -0.08 dB

Maximum value of SAR (measured) = 0.316 W/kg



Date/Time: 2012-08-17 21:43:46

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976156/7

Communication System: LTE850

Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: BSL850; Medium Notes: $t = 21.0$ C

Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.989$ mho/m; $\epsilon_r = 53.26$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3790
- ConvF(8.54, 8.54, 8.54); Calibrated: 2012-04-27;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1316; Calibrated: 2012-02-15
- Phantom: SAM 3; Type: Twin SAM 040 CA; Serial: TP-1179
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.6 (6824)

LTE/Body - Middle - Spacer 10mm - QPSK - 10MHz – 50% RB - 50% offset - No Accessory - Back Facing

Phantom/Area Scan (81x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.313 W/kg

LTE/Body - Middle - Spacer 10mm - QPSK - 10MHz – 50% RB - 50% offset - No Accessory - Back Facing

Phantom/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 17.117 V/m

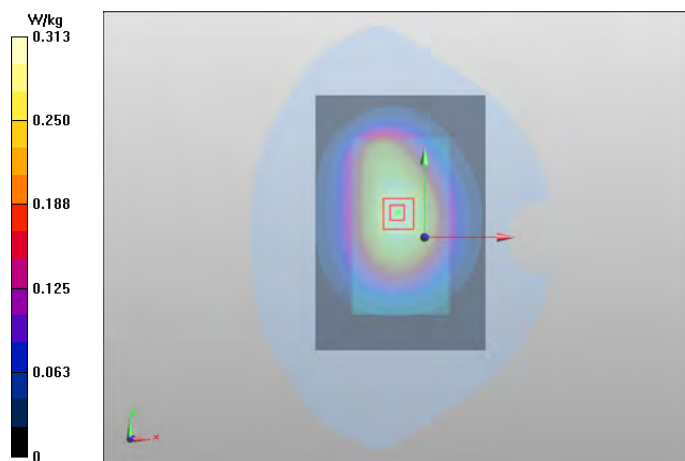
Peak SAR (extrapolated) = 0.372 mW/g

SAR(1 g) = 0.300 mW/g

SAR(10 g) = 0.228 mW/g

Power Drift = 0.01 dB

Maximum value of SAR (measured) = 0.316 W/kg



Date/Time: 2012-08-17 21:58:01

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976156/7

Communication System: LTE850

Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: BSL850; Medium Notes: $t = 21.0$ C

Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.989$ mho/m; $\epsilon_r = 53.26$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3790
- ConvF(8.54, 8.54, 8.54); Calibrated: 2012-04-27;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1316; Calibrated: 2012-02-15
- Phantom: SAM 3; Type: Twin SAM 040 CA; Serial: TP-1179
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.6 (6824)

LTE/Body - Middle - Spacer 10mm - QPSK - 10MHz - 1 RB - 50% offset - No Accessory - Back Facing

Phantom/Area Scan (81x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.389 W/kg

LTE/Body - Middle - Spacer 10mm - QPSK - 10MHz - 1 RB - 50% offset - No Accessory - Back Facing

Phantom/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 19.131 V/m

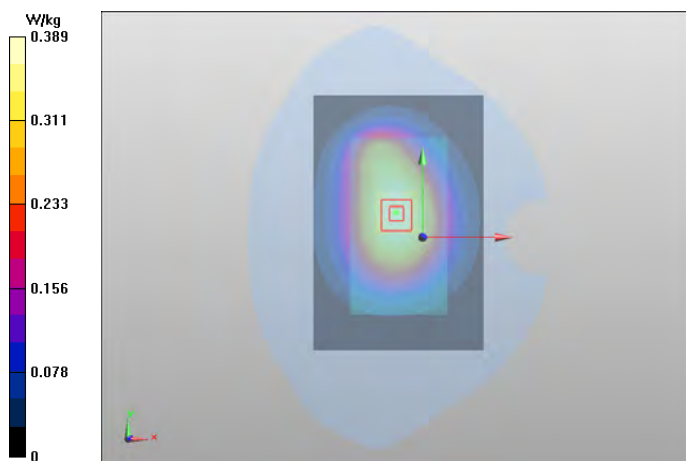
Peak SAR (extrapolated) = 0.450 mW/g

SAR(1 g) = 0.367 mW/g

SAR(10 g) = 0.280 mW/g

Power Drift = -0.05 dB

Maximum value of SAR (measured) = 0.385 W/kg



Date/Time: 2012-08-17 22:12:33

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976156/7

Communication System: LTE850

Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: BSL850; Medium Notes: $t = 21.0$ C

Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.989$ mho/m; $\epsilon_r = 53.26$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3790
- ConvF(8.54, 8.54, 8.54); Calibrated: 2012-04-27;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1316; Calibrated: 2012-02-15
- Phantom: SAM 3; Type: Twin SAM 040 CA; Serial: TP-1179
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.6 (6824)

LTE/Body - Middle - Spacer 10mm - QPSK - 10MHz - 1 RB - 100% offset - No Accessory - Back Facing

Phantom/Area Scan (81x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.394 W/kg

LTE/Body - Middle - Spacer 10mm - QPSK - 10MHz - 1 RB - 100% offset - No Accessory - Back Facing

Phantom/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 19.203 V/m

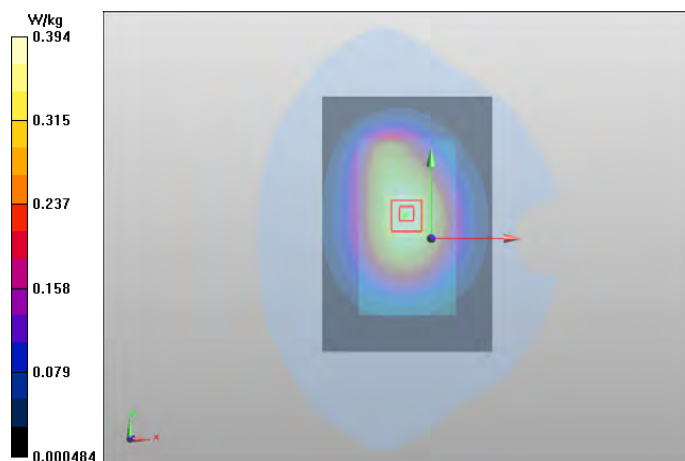
Peak SAR (extrapolated) = 0.460 mW/g

SAR(1 g) = 0.372 mW/g

SAR(10 g) = 0.284 mW/g

Power Drift = -0.06 dB

Maximum value of SAR (measured) = 0.392 W/kg



Date/Time: 2012-08-17 22:27:43

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976156/7

Communication System: LTE850

Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: BSL850; Medium Notes: $t = 21.0$ C

Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.989$ mho/m; $\epsilon_r = 53.26$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3790
- ConvF(8.54, 8.54, 8.54); Calibrated: 2012-04-27;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1316; Calibrated: 2012-02-15
- Phantom: SAM 3; Type: Twin SAM 040 CA; Serial: TP-1179
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.6 (6824)

LTE/Body - Middle - Spacer 10mm - QPSK - 10MHz - 1 RB - 0% offset - No Accessory - Back Facing Phantom/Area Scan (81x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.404 W/kg

LTE/Body - Middle - Spacer 10mm - QPSK - 10MHz - 1 RB - 0% offset - No Accessory - Back Facing Phantom/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 19.424 V/m

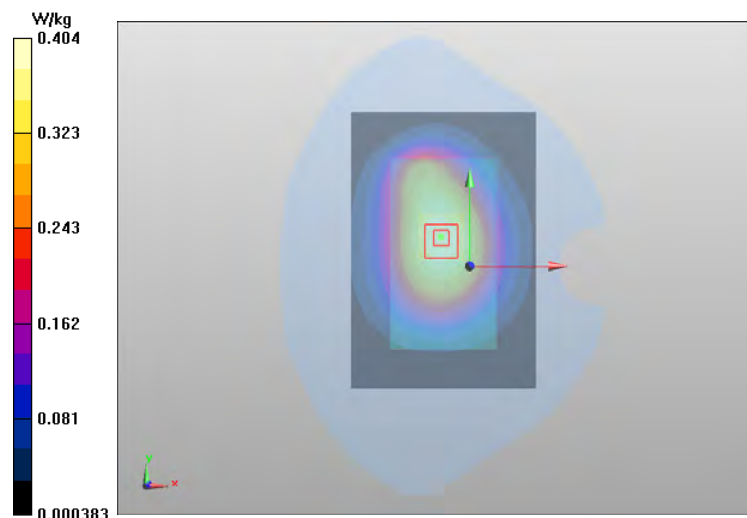
Peak SAR (extrapolated) = 0.479 mW/g

SAR(1 g) = 0.383 mW/g

SAR(10 g) = 0.292 mW/g

Power Drift = -0.04 dB

Maximum value of SAR (measured) = 0.402 W/kg



Date/Time: 2012-08-18 00:59:13

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976156/7

Communication System: LTE850

Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: BSL850; Medium Notes: $t = 21.0$ C

Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.989$ mho/m; $\epsilon_r = 53.26$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3790
- ConvF(8.54, 8.54, 8.54); Calibrated: 2012-04-27;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1316; Calibrated: 2012-02-15
- Phantom: SAM 3; Type: Twin SAM 040 CA; Serial: TP-1179
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.6 (6824)

LTE/Body - Middle - Spacer 10mm - QPSK - 10MHz - 1 RB - 0% offset - No Accessory - Display Facing

Phantom/Area Scan (81x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.290 W/kg

LTE/Body - Middle - Spacer 10mm - QPSK - 10MHz - 1 RB - 0% offset - No Accessory - Display Facing

Phantom/Zoom Scan (5x6x7)/Cube 0: Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 15.263 V/m

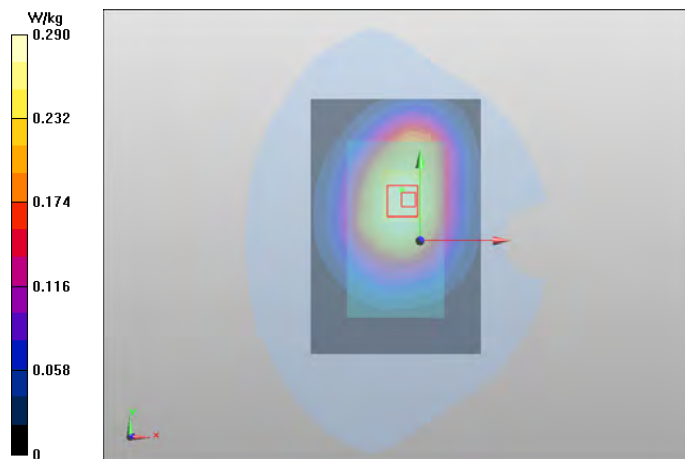
Peak SAR (extrapolated) = 0.395 mW/g

SAR(1 g) = 0.280 mW/g

SAR(10 g) = 0.214 mW/g

Power Drift = 0.04 dB

Maximum value of SAR (measured) = 0.302 W/kg



Date/Time: 2012-08-18 01:18:25

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976156/7

Communication System: LTE850

Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: BSL850; Medium Notes: $t = 21.0$ C

Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.989$ mho/m; $\epsilon_r = 53.26$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3790
- ConvF(8.54, 8.54, 8.54); Calibrated: 2012-04-27;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1316; Calibrated: 2012-02-15
- Phantom: SAM 3; Type: Twin SAM 040 CA; Serial: TP-1179
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.6 (6824)

LTE/Body - Middle - QPSK - 1RB - 0% offset - Spacer 10mm - No Accessory - Top Edge Facing Phantom/Area

Scan (61x121x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 0.0229 W/kg

LTE/Body - Middle - QPSK - 1RB - 0% offset - Spacer 10mm - No Accessory - Top Edge Facing Phantom/Zoom

Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 3.381 V/m

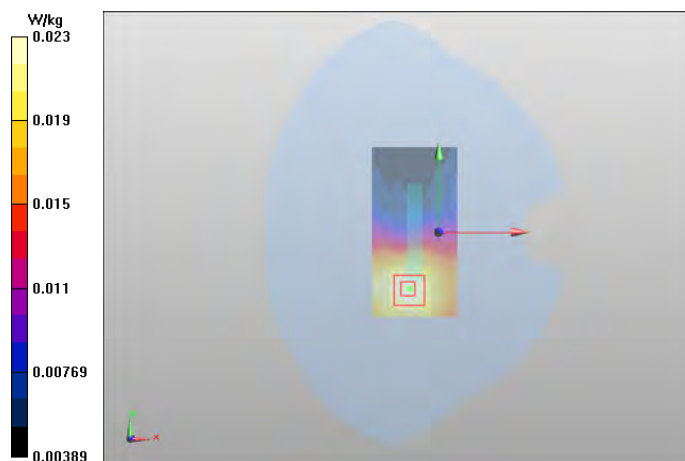
Peak SAR (extrapolated) = 0.028 mW/g

SAR(1 g) = 0.022 mW/g

SAR(10 g) = 0.016 mW/g

Power Drift = -0.05 dB

Maximum value of SAR (measured) = 0.0228 W/kg



Date/Time: 2012-08-18 01:39:16

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976156/7

Communication System: LTE850

Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: BSL850; Medium Notes: $t = 21.0$ C

Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.989$ mho/m; $\epsilon_r = 53.26$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3790
- ConvF(8.54, 8.54, 8.54); Calibrated: 2012-04-27;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1316; Calibrated: 2012-02-15
- Phantom: SAM 3; Type: Twin SAM 040 CA; Serial: TP-1179
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.6 (6824)

LTE/Body - Middle - QPSK - 1RB - 0% offset - Spacer 10mm - No Accessory - Bottom Edge Facing Phantom/Area Scan (61x121x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 0.165 W/kg

LTE/Body - Middle - QPSK - 1RB - 0% offset - Spacer 10mm - No Accessory - Bottom Edge Facing Phantom/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 12.233 V/m

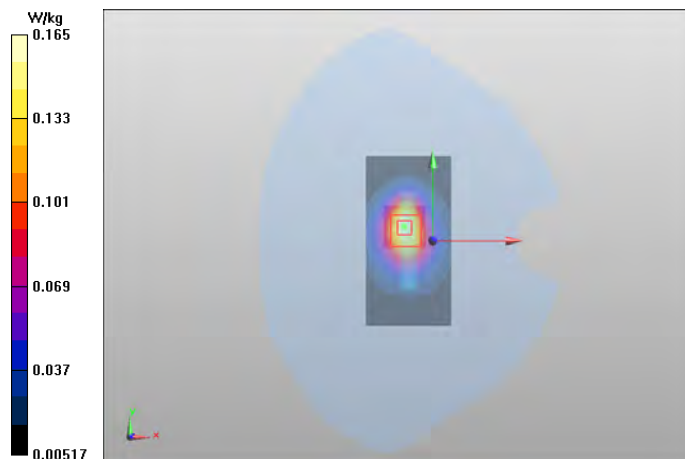
Peak SAR (extrapolated) = 0.245 mW/g

SAR(1 g) = 0.149 mW/g

SAR(10 g) = 0.090 mW/g

Power Drift = -0.02 dB

Maximum value of SAR (measured) = 0.167 W/kg



Date/Time: 2012-08-18 02:50:45

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976156/7

Communication System: LTE850

Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: BSL850; Medium Notes: $t = 21.0$ C

Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.989$ mho/m; $\epsilon_r = 53.26$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3790
- ConvF(8.54, 8.54, 8.54); Calibrated: 2012-04-27;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1316; Calibrated: 2012-02-15
- Phantom: SAM 3; Type: Twin SAM 040 CA; Serial: TP-1179
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.6 (6824)

LTE/Body - Middle - QPSK - 1RB - 0% offset - Spacer 10mm - No Accessory - Left Edge Facing Phantom/Area

Scan (61x181x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 0.380 W/kg

LTE/Body - Middle - QPSK - 1RB - 0% offset - Spacer 10mm - No Accessory - Left Edge Facing Phantom/Zoom

Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 19.957 V/m

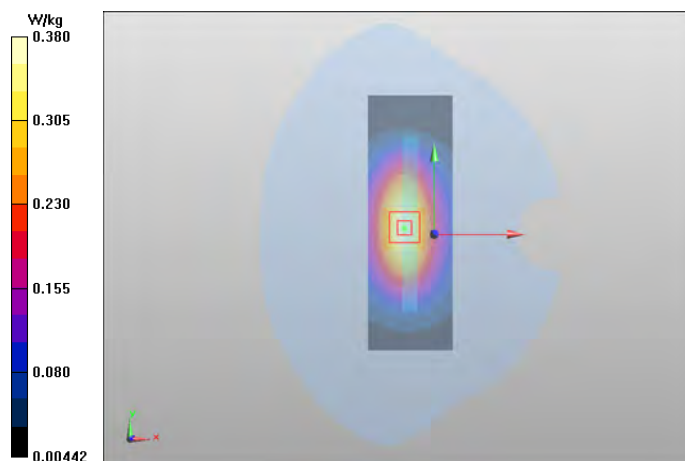
Peak SAR (extrapolated) = 0.475 mW/g

SAR(1 g) = 0.350 mW/g

SAR(10 g) = 0.246 mW/g

Power Drift = -0.30 dB

Maximum value of SAR (measured) = 0.374 W/kg



Date/Time: 2012-08-18 02:11:37

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976156/7

Communication System: LTE850

Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: BSL850; Medium Notes: $t = 21.0$ C

Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.989$ mho/m; $\epsilon_r = 53.26$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3790
- ConvF(8.54, 8.54, 8.54); Calibrated: 2012-04-27;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1316; Calibrated: 2012-02-15
- Phantom: SAM 3; Type: Twin SAM 040 CA; Serial: TP-1179
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.6 (6824)

LTE/Body - Middle - QPSK - 1RB - 0% offset - Spacer 10mm - No Accessory - Right Edge Facing Phantom/Area

Scan (61x181x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 0.176 W/kg

LTE/Body - Middle - QPSK - 1RB - 0% offset - Spacer 10mm - No Accessory - Right Edge Facing Phantom/Zoom

Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 12.871 V/m

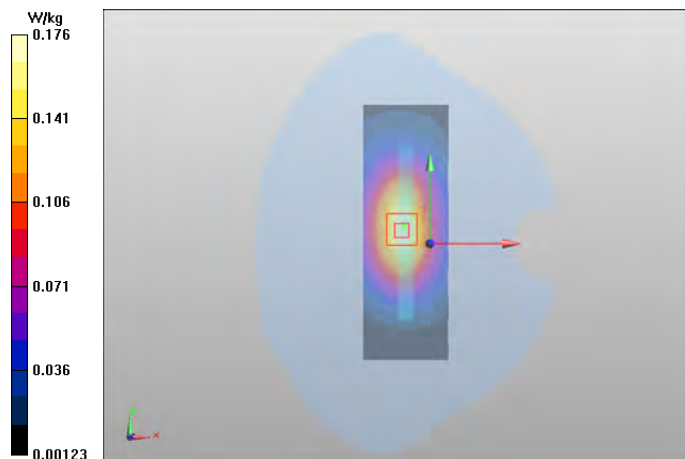
Peak SAR (extrapolated) = 0.245 mW/g

SAR(1 g) = 0.166 mW/g

SAR(10 g) = 0.114 mW/g

Power Drift = 0.14 dB

Maximum value of SAR (measured) = 0.176 W/kg



Date/Time: 2012-08-17 22:49:56

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976156/7

Communication System: LTE850

Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: BSL850; Medium Notes: $t = 21.0$ C

Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.989$ mho/m; $\epsilon_r = 53.26$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3790
- ConvF(8.54, 8.54, 8.54); Calibrated: 2012-04-27;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1316; Calibrated: 2012-02-15
- Phantom: SAM 3; Type: Twin SAM 040 CA; Serial: TP-1179
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.6 (6824)

LTE/Body - Middle - Spacer 10mm - 16QAM - 10MHz - 100% RB - No Accessory - Back Facing Phantom/Area Scan (81x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.252 W/kg

LTE/Body - Middle - Spacer 10mm - 16QAM - 10MHz - 100% RB - No Accessory - Back Facing Phantom/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 15.408 V/m

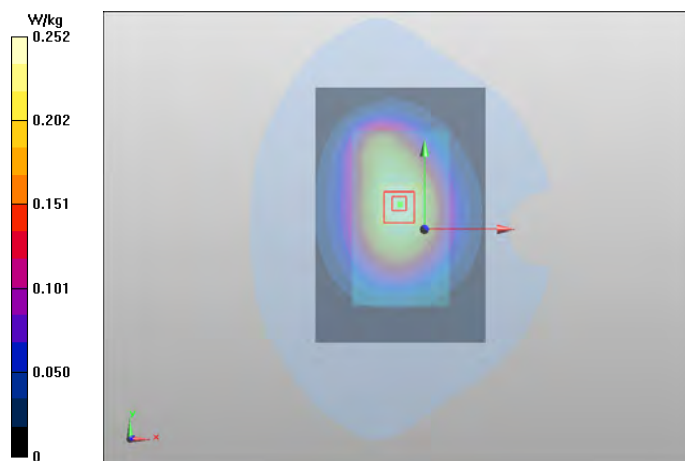
Peak SAR (extrapolated) = 0.304 mW/g

SAR(1 g) = 0.240 mW/g

SAR(10 g) = 0.182 mW/g

Power Drift = -0.03 dB

Maximum value of SAR (measured) = 0.251 W/kg



Date/Time: 2012-08-17 23:11:13

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976156/7

Communication System: LTE850

Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: BSL850; Medium Notes: $t = 21.0$ C

Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.989$ mho/m; $\epsilon_r = 53.26$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3790
- ConvF(8.54, 8.54, 8.54); Calibrated: 2012-04-27;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1316; Calibrated: 2012-02-15
- Phantom: SAM 3; Type: Twin SAM 040 CA; Serial: TP-1179
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.6 (6824)

LTE/Body - Middle - Spacer 10mm - 16QAM - 10MHz - 50% RB - 50% offset - No Accessory - Back Facing Phantom/Area Scan (81x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.251 W/kg

LTE/Body - Middle - Spacer 10mm - 16QAM - 10MHz - 50% RB - 50% offset - No Accessory - Back Facing Phantom/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 15.398 V/m

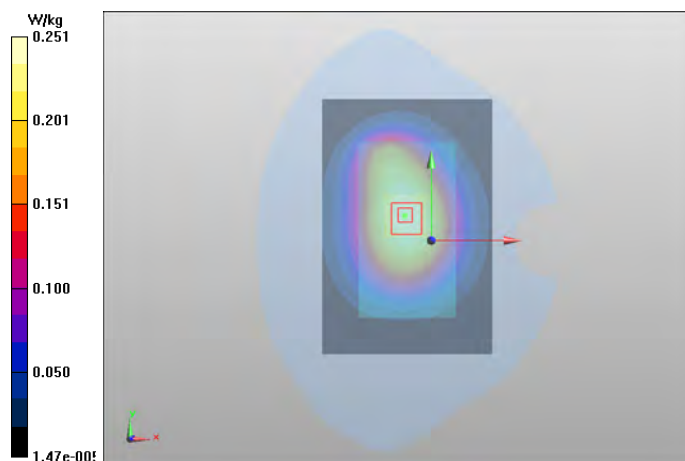
Peak SAR (extrapolated) = 0.293 mW/g

SAR(1 g) = 0.239 mW/g

SAR(10 g) = 0.182 mW/g

Power Drift = -0.06 dB

Maximum value of SAR (measured) = 0.253 W/kg



Date/Time: 2012-08-17 23:27:21

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976156/7

Communication System: LTE850

Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: BSL850; Medium Notes: $t = 21.0$ C

Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.989$ mho/m; $\epsilon_r = 53.26$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3790
- ConvF(8.54, 8.54, 8.54); Calibrated: 2012-04-27;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1316; Calibrated: 2012-02-15
- Phantom: SAM 3; Type: Twin SAM 040 CA; Serial: TP-1179
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.6 (6824)

LTE/Body - Middle - Spacer 10mm - 16QAM - 10MHz - 1 RB - 50% offset -No Accessory - Back Facing

Phantom/Area Scan (81x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.287 W/kg

LTE/Body - Middle - Spacer 10mm - 16QAM - 10MHz - 1 RB - 50% offset -No Accessory - Back Facing

Phantom/Zoom Scan (6x6x7)/Cube 0: Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 16.697 V/m

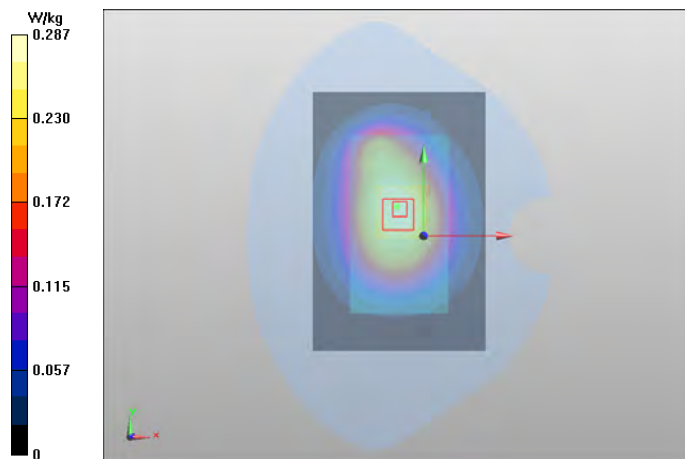
Peak SAR (extrapolated) = 0.347 mW/g

SAR(1 g) = 0.274 mW/g

SAR(10 g) = 0.211 mW/g

Power Drift = -0.17 dB

Maximum value of SAR (measured) = 0.294 W/kg



Date/Time: 2012-08-17 23:48:20

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976156/7

Communication System: LTE850

Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: BSL850; Medium Notes: $t = 21.0$ C

Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.989$ mho/m; $\epsilon_r = 53.26$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3790
- ConvF(8.54, 8.54, 8.54); Calibrated: 2012-04-27;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1316; Calibrated: 2012-02-15
- Phantom: SAM 3; Type: Twin SAM 040 CA; Serial: TP-1179
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.6 (6824)

LTE/Body - Middle - Spacer 10mm - 16QAM - 10MHz - 1 RB - 100% offset - No Accessory - Back Facing

Phantom/Area Scan (81x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.283 W/kg

LTE/Body - Middle - Spacer 10mm - 16QAM - 10MHz - 1 RB - 100% offset - No Accessory - Back Facing

Phantom/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 16.546 V/m

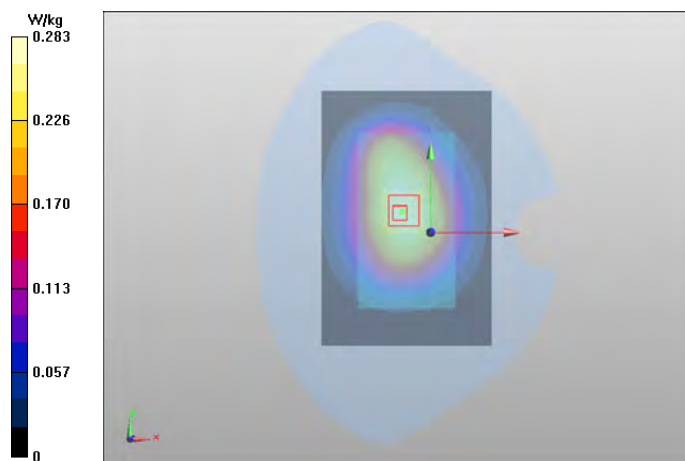
Peak SAR (extrapolated) = 0.339 mW/g

SAR(1 g) = 0.268 mW/g

SAR(10 g) = 0.204 mW/g

Power Drift = -0.40 dB

Maximum value of SAR (measured) = 0.284 W/kg



Date/Time: 2012-08-18 00:03:29

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976156/7

Communication System: LTE850

Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: BSL850; Medium Notes: $t = 21.0$ C

Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.989$ mho/m; $\epsilon_r = 53.26$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3790
- ConvF(8.54, 8.54, 8.54); Calibrated: 2012-04-27;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1316; Calibrated: 2012-02-15
- Phantom: SAM 3; Type: Twin SAM 040 CA; Serial: TP-1179
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.6 (6824)

LTE/Body - Middle - Spacer 10mm - 16QAM - 10MHz - 1 RB - 0% offset -No Accessory - Back Facing

Phantom/Area Scan (81x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.320 W/kg

LTE/Body - Middle - Spacer 10mm - 16QAM - 10MHz - 1 RB - 0% offset -No Accessory - Back Facing

Phantom/Zoom Scan (6x6x7)/Cube 0: Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 17.100 V/m

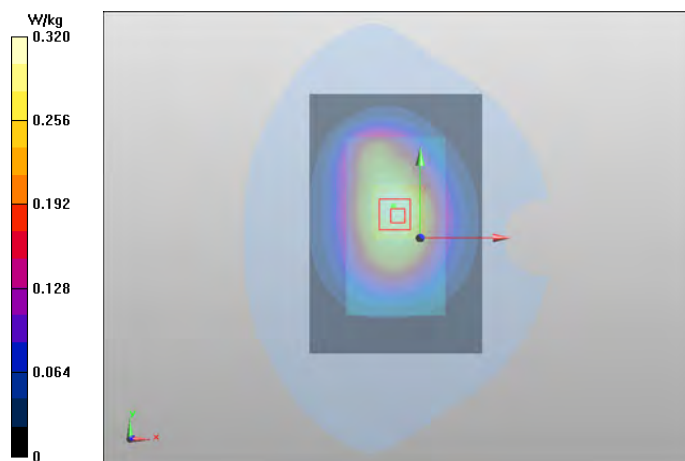
Peak SAR (extrapolated) = 0.398 mW/g

SAR(1 g) = 0.297 mW/g

SAR(10 g) = 0.226 mW/g

Power Drift = 0.13 dB

Maximum value of SAR (measured) = 0.311 W/kg



Date/Time: 2012-08-18 04:05:11

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976156/7

Communication System: LTE850

Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: BSL850; Medium Notes: t= 21.0 C

Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.989 mho/m; ϵ_r = 53.26; ρ = 1000 kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3790
- ConvF(8.54, 8.54, 8.54); Calibrated: 2012-04-27;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1316; Calibrated: 2012-02-15
- Phantom: SAM 3; Type: Twin SAM 040 CA; Serial: TP-1179
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.6 (6824)

LTE/Body - Middle - Spacer 10mm - QPSK - 10MHz - 1 RB - 0% offset - No Accessory - Back Facing Phantom - Cover CC-3401/Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.304 W/kg

LTE/Body - Middle - Spacer 10mm - QPSK - 10MHz - 1 RB - 0% offset - No Accessory - Back Facing Phantom - Cover CC-3401/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 15.720 V/m

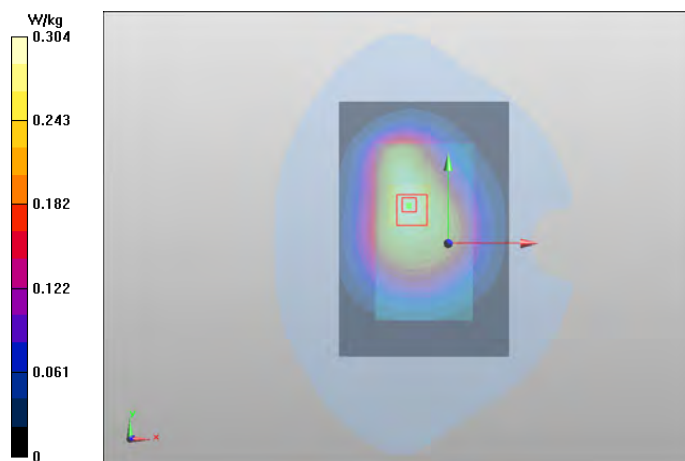
Peak SAR (extrapolated) = 0.374 mW/g

SAR(1 g) = 0.285 mW/g

SAR(10 g) = 0.211 mW/g

Power Drift = -0.13 dB

Maximum value of SAR (measured) = 0.301 W/kg



Date/Time: 2012-08-22 09:55:58

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976165/8

Communication System: WCDMA1700/2100

Frequency: 1752.6 MHz; Duty Cycle: 1:1

Medium: BSL1800; Medium Notes: t= 20.9 C

Medium parameters used: f = 1753 MHz; σ = 1.476 mho/m; ϵ_r = 52.085; ρ = 1000 kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3165
- ConvF(4.84, 4.84, 4.84); Calibrated: 2012-02-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11
- Phantom: SAM #2 CRP ; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.6 (6824)

WCDMA/Body - High - Spacer 10mm - No Accessory - Back Facing Phantom/Area Scan (81x121x1): Interpolated
grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.878 W/kg

WCDMA/Body - High - Spacer 10mm - No Accessory - Back Facing Phantom/Zoom Scan (6x8x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 9.535 V/m

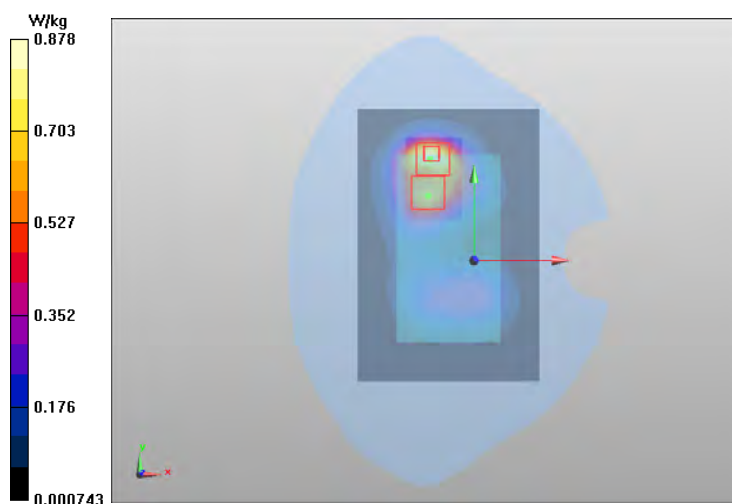
Peak SAR (extrapolated) = 1.331 mW/g

SAR(1 g) = 0.720 mW/g

SAR(10 g) = 0.400 mW/g

Power Drift = 0.04 dB

Maximum value of SAR (measured) = 0.802 W/kg



Date/Time: 2012-08-21 19:09:33

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976165/8

Communication System: WCDMA1700/2100

Frequency: 1732.4 MHz; Duty Cycle: 1:1

Medium: BSL1800; Medium Notes: $t = 20.9$ C

Medium parameters used (interpolated): $f = 1732.4$ MHz; $\sigma = 1.453$ mho/m; $\epsilon_r = 52.16$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3165
- ConvF(4.84, 4.84, 4.84); Calibrated: 2012-02-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11
- Phantom: SAM #2 CRP ; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.6 (6824)

WCDMA/Body - Middle - Spacer 10mm - No Accessory - Display Facing Phantom/Area Scan (81x121x1):

Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.644 W/kg

WCDMA/Body - Middle - Spacer 10mm - No Accessory - Display Facing Phantom/Zoom Scan (6x7x7)/Cube 0:

Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 10.300 V/m

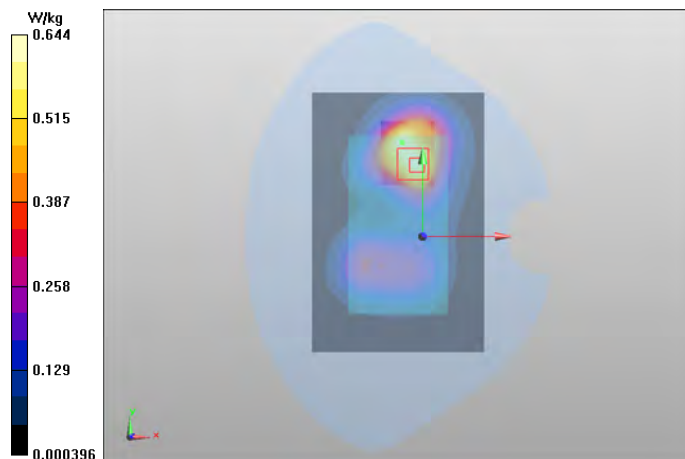
Peak SAR (extrapolated) = 0.922 mW/g

SAR(1 g) = 0.586 mW/g

SAR(10 g) = 0.363 mW/g

Power Drift = 0.04 dB

Maximum value of SAR (measured) = 0.634 W/kg



Date/Time: 2012-08-21 20:27:32

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976165/8

Communication System: WCDMA1700/2100

Frequency: 1732.4 MHz; Duty Cycle: 1:1

Medium: BSL1800; Medium Notes: t= 20.9 C

Medium parameters used (interpolated): f = 1732.4 MHz; σ = 1.453 mho/m; ϵ_r = 52.16; ρ = 1000 kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3165
- ConvF(4.84, 4.84, 4.84); Calibrated: 2012-02-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11
- Phantom: SAM #2 CRP ; Type: QD000P40CD; Serial: TP:xxxx
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.6 (6824)

WCDMA/Body - Middle - Spacer 10mm - No Accessory - Top Edge Facing Phantom/Area Scan (41x81x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.0542 W/kg

WCDMA/Body - Middle - Spacer 10mm - No Accessory - Top Edge Facing Phantom/Zoom Scan (6x6x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 5.133 V/m

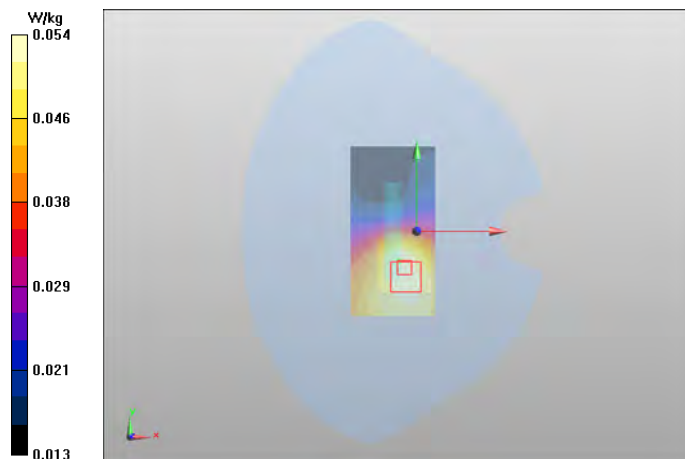
Peak SAR (extrapolated) = 0.075 mW/g

SAR(1 g) = 0.050 mW/g

SAR(10 g) = 0.034 mW/g

Power Drift = 0.02 dB

Maximum value of SAR (measured) = 0.0534 W/kg



Date/Time: 2012-08-21 20:57:57

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976165/8

Communication System: WCDMA1700/2100

Frequency: 1732.4 MHz; Duty Cycle: 1:1

Medium: BSL1800; Medium Notes: $t = 20.9\text{ C}$

Medium parameters used (interpolated): $f = 1732.4\text{ MHz}$; $\sigma = 1.453\text{ mho/m}$; $\epsilon_r = 52.16$; $\rho = 1000\text{ kg/m}^3$

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3165
- ConvF(4.84, 4.84, 4.84); Calibrated: 2012-02-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11
- Phantom: SAM #2 CRP ; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.6 (6824)

WCDMA/Body - Middle - Spacer 10mm - No Accessory - Bottom Edge Facing Phantom/Area Scan (41x81x1):

Interpolated grid: $dx=1.500\text{ mm}$, $dy=1.500\text{ mm}$

Maximum value of SAR (interpolated) = 0.651 W/kg

WCDMA/Body - Middle - Spacer 10mm - No Accessory - Bottom Edge Facing Phantom/Zoom Scan (5x5x7)/Cube

0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 15.494 V/m

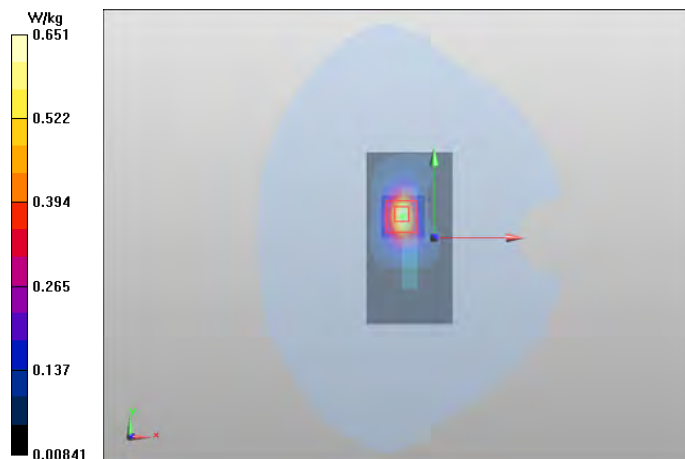
Peak SAR (extrapolated) = 1.121 mW/g

SAR(1 g) = 0.599 mW/g

SAR(10 g) = 0.291 mW/g

Power Drift = 0.03 dB

Maximum value of SAR (measured) = 0.688 W/kg



Date/Time: 2012-08-21 19:55:15

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976165/8

Communication System: WCDMA1700/2100

Frequency: 1732.4 MHz; Duty Cycle: 1:1

Medium: BSL1800; Medium Notes: $t = 20.9$ C

Medium parameters used (interpolated): $f = 1732.4$ MHz; $\sigma = 1.453$ mho/m; $\epsilon_r = 52.16$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3165

- ConvF(4.84, 4.84, 4.84); Calibrated: 2012-02-21;

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

- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11

- Phantom: SAM #2 CRP ; Type: QD000P40CD; - Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.6 (6824)

WCDMA/Body - Middle - Spacer 10mm - No Accessory - Left Edge Facing Phantom/Area Scan (41x121x1):

Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.391 W/kg

WCDMA/Body - Middle - Spacer 10mm - No Accessory - Left Edge Facing Phantom/Zoom Scan (5x5x7)/Cube 0:

Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 11.800 V/m

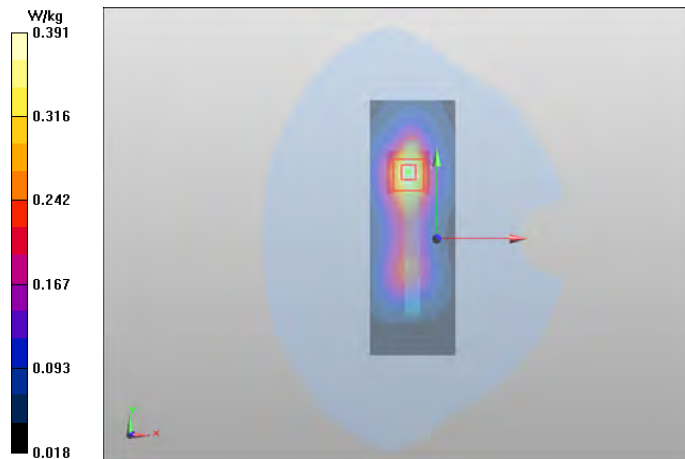
Peak SAR (extrapolated) = 0.528 mW/g

SAR(1 g) = 0.339 mW/g

SAR(10 g) = 0.208 mW/g

Power Drift = 0.05 dB

Maximum value of SAR (measured) = 0.369 W/kg



Date/Time: 2012-08-21 20:10:44

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976165/8

Communication System: WCDMA1700/2100

Frequency: 1732.4 MHz; Duty Cycle: 1:1

Medium: BSL1800; Medium Notes: $t = 20.9$ C

Medium parameters used (interpolated): $f = 1732.4$ MHz; $\sigma = 1.453$ mho/m; $\epsilon_r = 52.16$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3165
- ConvF(4.84, 4.84, 4.84); Calibrated: 2012-02-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11
- Phantom: SAM #2 CRP ; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.6 (6824)

WCDMA/Body - Middle - Spacer 10mm - No Accessory - Right Edge Facing Phantom/Area Scan (41x121x1):

Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.0637 W/kg

WCDMA/Body - Middle - Spacer 10mm - No Accessory - Right Edge Facing Phantom/Zoom Scan (5x5x7)/Cube 0:

Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 2.737 V/m

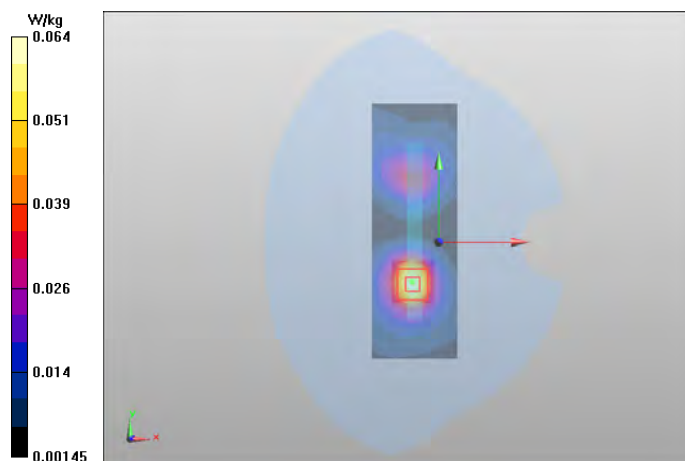
Peak SAR (extrapolated) = 0.085 mW/g

SAR(1 g) = 0.054 mW/g

SAR(10 g) = 0.032 mW/g

Power Drift = 0.38 dB

Maximum value of SAR (measured) = 0.0586 W/kg



Date/Time: 2012-08-22 11:27:22

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976165/8

Communication System: WCDMA1700/2100

Frequency: 1712.4 MHz; Duty Cycle: 1:1

Medium: BSL1800; Medium Notes: $t = 20.9$ C

Medium parameters used (interpolated): $f = 1712.4$ MHz; $\sigma = 1.431$ mho/m; $\epsilon_r = 52.228$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3165
- ConvF(4.84, 4.84, 4.84); Calibrated: 2012-02-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11
- Phantom: SAM #2 CRP ; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.6 (6824)

WCDMA/Body - Low - Spacer 10mm - No Accessory - Back Facing Phantom - Cover CC-3401/Area Scan

(81x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.688 W/kg

WCDMA/Body - Low - Spacer 10mm - No Accessory - Back Facing Phantom - Cover CC-3401/Zoom Scan

(6x6x7)/Cube 0: Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 6.620 V/m

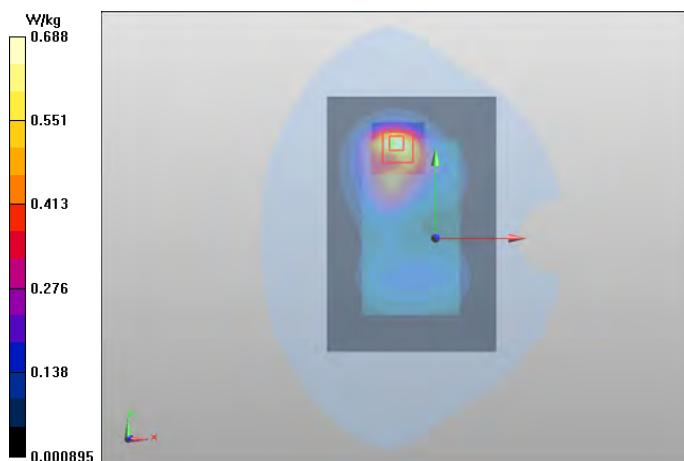
Peak SAR (extrapolated) = 1.071 mW/g

SAR(1 g) = 0.590 mW/g

SAR(10 g) = 0.321 mW/g

Power Drift = 0.10 dB

Maximum value of SAR (measured) = 0.662 W/kg



Date/Time: 2012-07-08 05:30:46

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE1700/2100

Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: BSL1800; Medium Notes: t= 20.8 C

Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.451 mho/m; ϵ_r = 53.054; ρ = 1000 kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3165
- ConvF(4.84, 4.84, 4.84); Calibrated: 2012-02-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11
- Phantom: SAM #2 CRP ; Type: QD000P40CD; Serial: -
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

LTE/Body - Middle - Spacer 10mm - QPSK - 20MHz - 100% RB - No Accessory - Back Facing Phantom/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.743 mW/g

LTE/Body - Middle - Spacer 10mm - QPSK - 20MHz - 100% RB - No Accessory - Back Facing Phantom/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 8.215 V/m

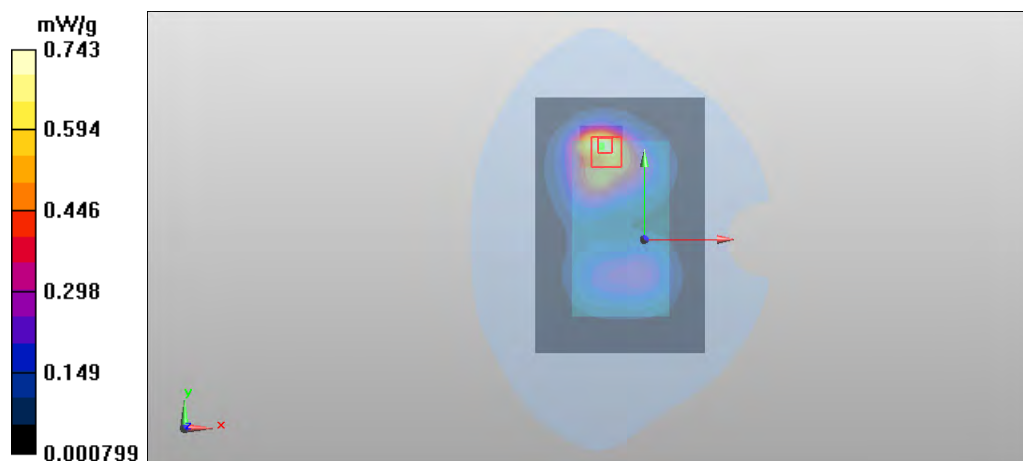
Peak SAR (extrapolated) = 1.121 mW/g

SAR(1 g) = 0.614 mW/g

SAR(10 g) = 0.346 mW/g

Power Drift = 0.10 dB

Maximum value of SAR (measured) = 0.667 mW/g



Date/Time: 2012-07-08 05:52:13

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE1700/2100

Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: BSL1800; Medium Notes: t= 20.8 C

Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.451 mho/m; ϵ_r = 53.054; ρ = 1000 kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3165
- ConvF(4.84, 4.84, 4.84); Calibrated: 2012-02-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11
- Phantom: SAM #2 CRP ; Type: QD000P40CD; Serial: -
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

LTE/Body - Middle - Spacer 10mm - QPSK - 20MHz – 50% RB - 50% offset - No Accessory - Back Facing

Phantom/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.759 mW/g

LTE/Body - Middle - Spacer 10mm - QPSK - 20MHz – 50% RB - 50% offset - No Accessory - Back Facing

Phantom/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 8.256 V/m

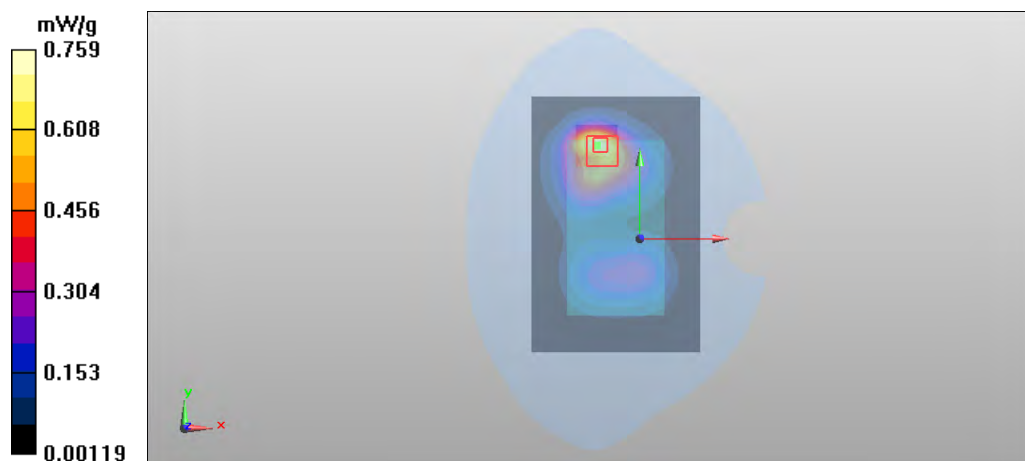
Peak SAR (extrapolated) = 1.128 mW/g

SAR(1 g) = 0.620 mW/g

SAR(10 g) = 0.352 mW/g

Power Drift = -0.00 dB

Maximum value of SAR (measured) = 0.674 mW/g



Date/Time: 2012-07-08 06:10:10

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE1700/2100

Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: BSL1800; Medium Notes: t= 20.8 C

Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.451 mho/m; ϵ_r = 53.054; ρ = 1000 kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3165
- ConvF(4.84, 4.84, 4.84); Calibrated: 2012-02-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11
- Phantom: SAM #2 CRP ; Type: QD000P40CD; Serial: -
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

LTE/Body - Middle - Spacer 10mm - QPSK - 20MHz - 1 RB - 50% offset - No Accessory - Back Facing

Phantom/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.915 mW/g

LTE/Body - Middle - Spacer 10mm - QPSK - 20MHz - 1 RB - 50% offset - No Accessory - Back Facing

Phantom/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 9.135 V/m

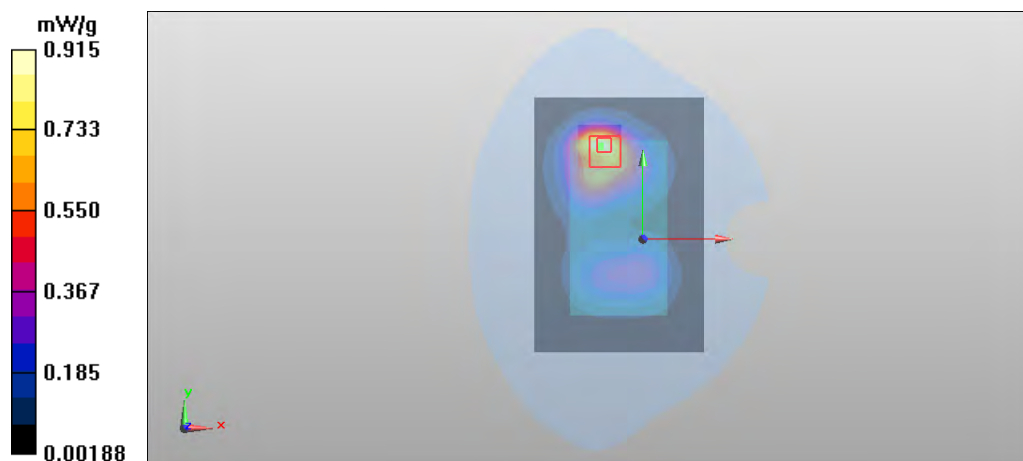
Peak SAR (extrapolated) = 1.332 mW/g

SAR(1 g) = 0.748 mW/g

SAR(10 g) = 0.426 mW/g

Power Drift = 0.05 dB

Maximum value of SAR (measured) = 0.812 mW/g



Date/Time: 2012-07-08 06:27:14

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE1700/2100

Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: BSL1800; Medium Notes: t= 20.8 C

Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.451 mho/m; ϵ_r = 53.054; ρ = 1000 kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3165
- ConvF(4.84, 4.84, 4.84); Calibrated: 2012-02-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11
- Phantom: SAM #2 CRP ; Type: QD000P40CD; Serial: -
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

LTE/Body - Middle - Spacer 10mm - QPSK - 20MHz - 1 RB - 100% offset - No Accessory - Back Facing

Phantom/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.805 mW/g

LTE/Body - Middle - Spacer 10mm - QPSK - 20MHz - 1 RB - 100% offset - No Accessory - Back Facing

Phantom/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 8.805 V/m

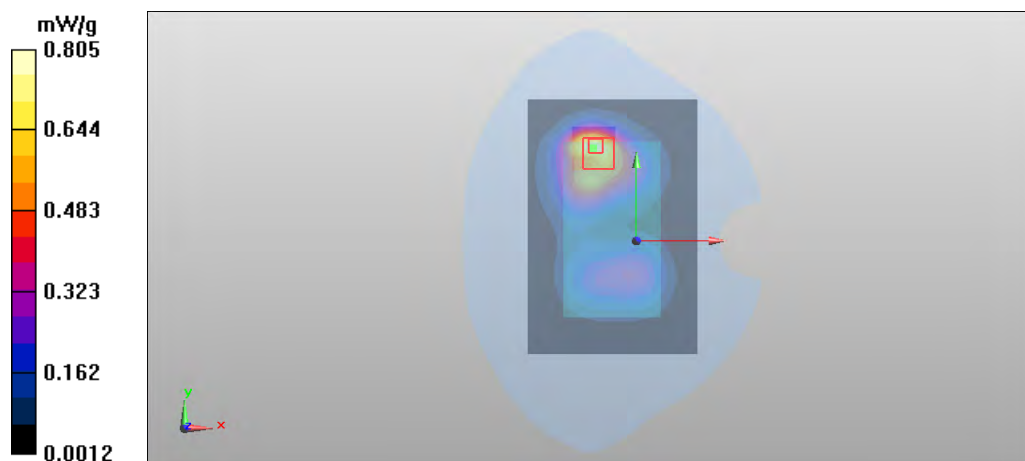
Peak SAR (extrapolated) = 1.211 mW/g

SAR(1 g) = 0.669 mW/g

SAR(10 g) = 0.382 mW/g

Power Drift = -0.00 dB

Maximum value of SAR (measured) = 0.723 mW/g



Date/Time: 2012-07-08 06:43:47

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE1700/2100

Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: BSL1800; Medium Notes: t= 20.8 C

Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.451 mho/m; ϵ_r = 53.054; ρ = 1000 kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3165

- ConvF(4.84, 4.84, 4.84); Calibrated: 2012-02-21;

- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11

- Phantom: SAM #2 CRP ; Type: QD000P40CD; Serial: -

- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

LTE/Body - Middle - Spacer 10mm - QPSK - 20MHz - 1 RB - 0% offset - No Accessory - Back Facing Phantom/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.938 mW/g

LTE/Body - Middle - Spacer 10mm - QPSK - 20MHz - 1 RB - 0% offset - No Accessory - Back Facing Phantom/Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 9.272 V/m

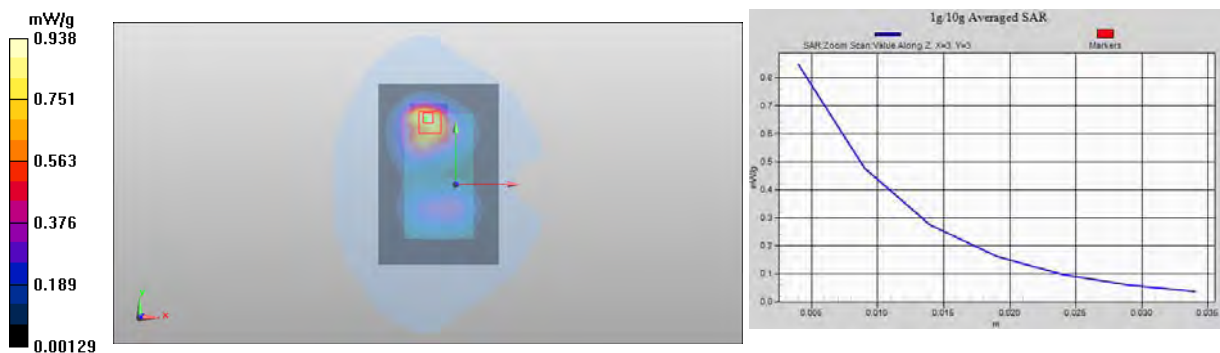
Peak SAR (extrapolated) = 1.403 mW/g

SAR(1 g) = 0.781 mW/g

SAR(10 g) = 0.446 mW/g

Power Drift = 0.05 dB

Maximum value of SAR (measured) = 0.847 mW/g



Date/Time: 2012-07-08 23:27:42

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE1700/2100

Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: BSL1800; Medium Notes: t= 20.8 C

Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.451 mho/m; ϵ_r = 52.852; ρ = 1000 kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3165
- ConvF(4.84, 4.84, 4.84); Calibrated: 2012-02-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11
- Phantom: SAM #2 CRP ; Type: QD000P40CD; Serial: -
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

LTE/Body - Middle - Spacer 10mm - QPSK - 20MHz - 1RB - 0% offset - No Accessory - Display Facing

Phantom/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.722 mW/g

LTE/Body - Middle - Spacer 10mm - QPSK - 20MHz - 1RB - 0% offset - No Accessory - Display Facing

Phantom/Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 10.076 V/m

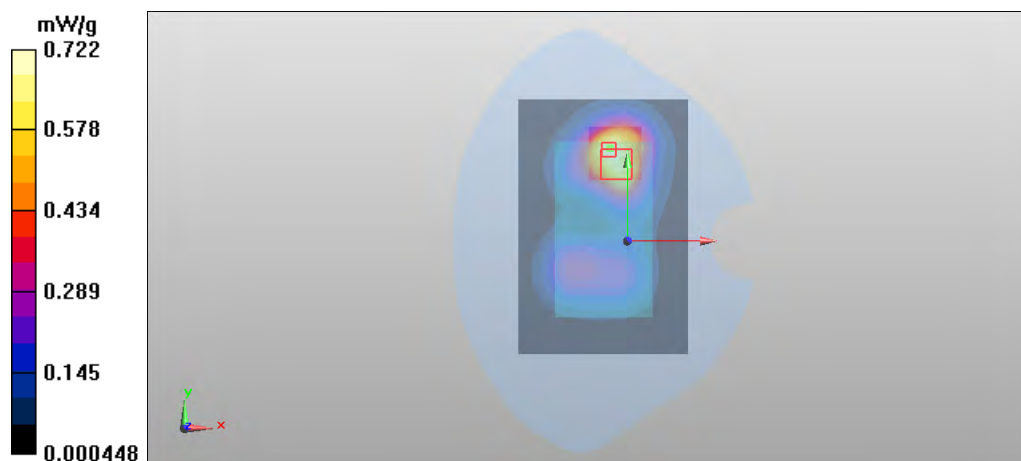
Peak SAR (extrapolated) = 1.051 mW/g

SAR(1 g) = 0.625 mW/g

SAR(10 g) = 0.390 mW/g

Power Drift = 0.04 dB

Maximum value of SAR (measured) = 0.688 mW/g



Date/Time: 2012-07-09 00:32:20

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE1700/2100

Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: BSL1800; Medium Notes: t= 20.8 C

Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.451 mho/m; ϵ_r = 52.852; ρ = 1000 kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3165
- ConvF(4.84, 4.84, 4.84); Calibrated: 2012-02-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11
- Phantom: SAM #2 CRP ; Type: QD000P40CD; Serial: -
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

LTE/Body - Middle - QPSK - 20MHz - 1RB - 0% offset - Spacer 10mm - No Accessory - Top Edge Facing

Phantom/Area Scan (41x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.0583 mW/g

LTE/Body - Middle - QPSK - 20MHz - 1RB - 0% offset - Spacer 10mm - No Accessory - Top Edge Facing

Phantom/Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 5.112 V/m

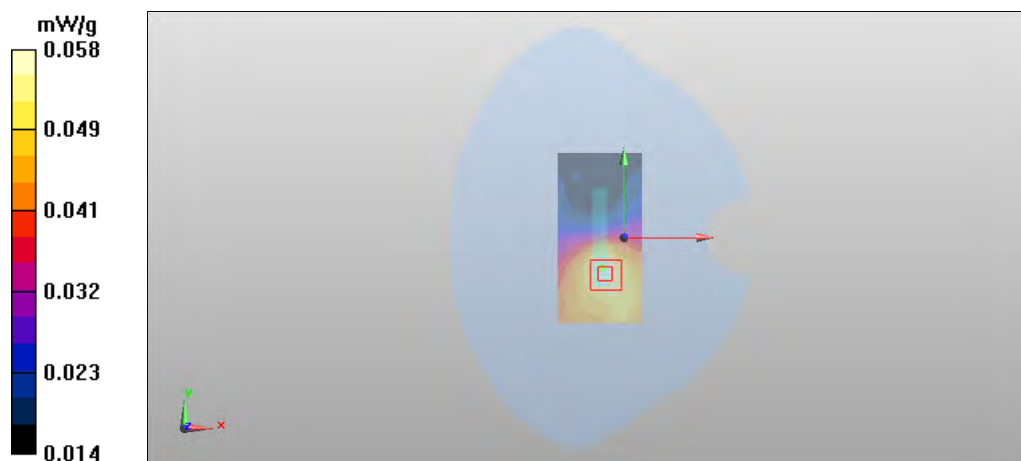
Peak SAR (extrapolated) = 0.078 mW/g

SAR(1 g) = 0.053 mW/g

SAR(10 g) = 0.035 mW/g

Power Drift = 0.06 dB

Maximum value of SAR (measured) = 0.0559 mW/g



Date/Time: 2012-07-09 00:55:24

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE1700/2100

Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: BSL1800; Medium Notes: t= 20.8 C

Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.451 mho/m; ϵ_r = 52.852; ρ = 1000 kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3165
- ConvF(4.84, 4.84, 4.84); Calibrated: 2012-02-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11
- Phantom: SAM #2 CRP ; Type: QD000P40CD; Serial: -
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

LTE/Body - Middle - QPSK - 20MHz - 1RB - 0% offset - Spacer 10mm - No Accessory - Bottom Edge Facing

Phantom/Area Scan (41x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.684 mW/g

LTE/Body - Middle - QPSK - 20MHz - 1RB - 0% offset - Spacer 10mm - No Accessory - Bottom Edge Facing

Phantom/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 16.790 V/m

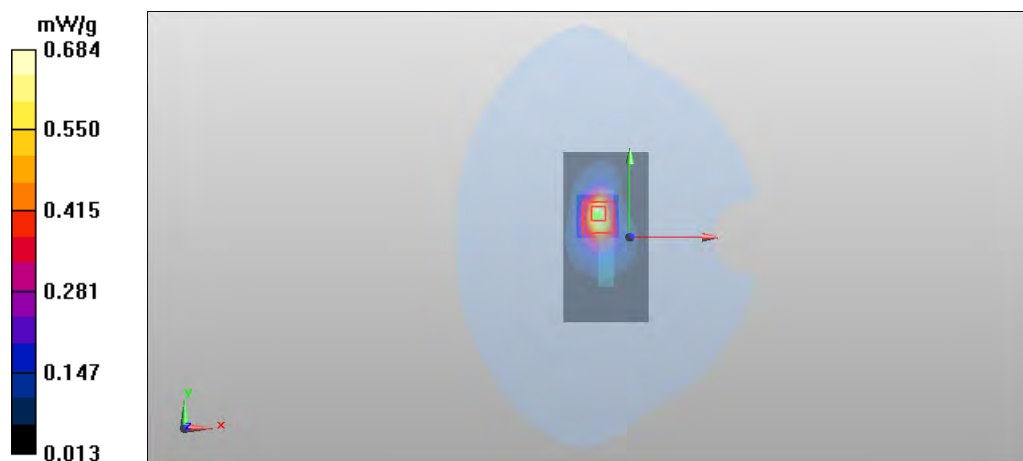
Peak SAR (extrapolated) = 1.123 mW/g

SAR(1 g) = 0.604 mW/g

SAR(10 g) = 0.304 mW/g

Power Drift = -0.02 dB

Maximum value of SAR (measured) = 0.687 mW/g



Date/Time: 2012-07-09 01:19:24

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE1700/2100

Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: BSL1800; Medium Notes: t= 20.8 C

Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.451 mho/m; ϵ_r = 52.852; ρ = 1000 kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3165
- ConvF(4.84, 4.84, 4.84); Calibrated: 2012-02-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11
- Phantom: SAM #2 CRP ; Type: QD000P40CD; Serial: -
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

LTE/Body - Middle - QPSK - 20MHz - 1RB - 0% offset - Spacer 10mm - No Accessory - Left Edge Facing

Phantom/Area Scan (41x121x1): Measurement grid: dx=15mm, dy=15mm

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

LTE/Body - Middle - QPSK - 20MHz - 1RB - 0% offset - Spacer 10mm - No Accessory - Left Edge Facing

Phantom/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 11.563 V/m

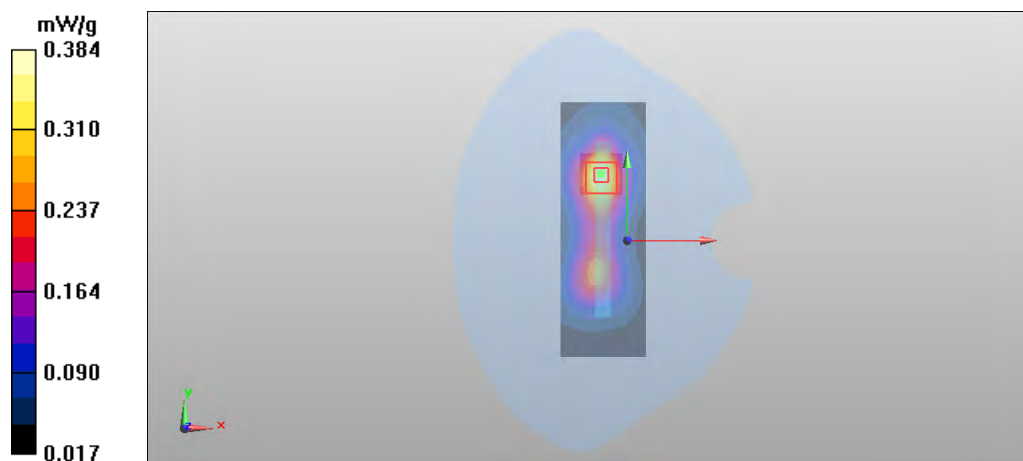
Peak SAR (extrapolated) = 0.519 mW/g

SAR(1 g) = 0.334 mW/g

SAR(10 g) = 0.204 mW/g

Power Drift = 0.10 dB

Maximum value of SAR (measured) = 0.365 mW/g



Date/Time: 2012-07-09 01:43:12

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE1700/2100

Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: BSL1800; Medium Notes: t= 20.8 C

Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.451 mho/m; ϵ_r = 52.852; ρ = 1000 kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3165
- ConvF(4.84, 4.84, 4.84); Calibrated: 2012-02-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11
- Phantom: SAM #2 CRP ; Type: QD000P40CD; Serial: -
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

LTE/Body - Middle - QPSK - 20MHz - 1RB - 0% offset - Spacer 10mm - No Accessory - Right Edge Facing

Phantom/Area Scan (41x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.0777 mW/g

LTE/Body - Middle - QPSK - 20MHz - 1RB - 0% offset - Spacer 10mm - No Accessory - Right Edge Facing

Phantom/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 3.863 V/m

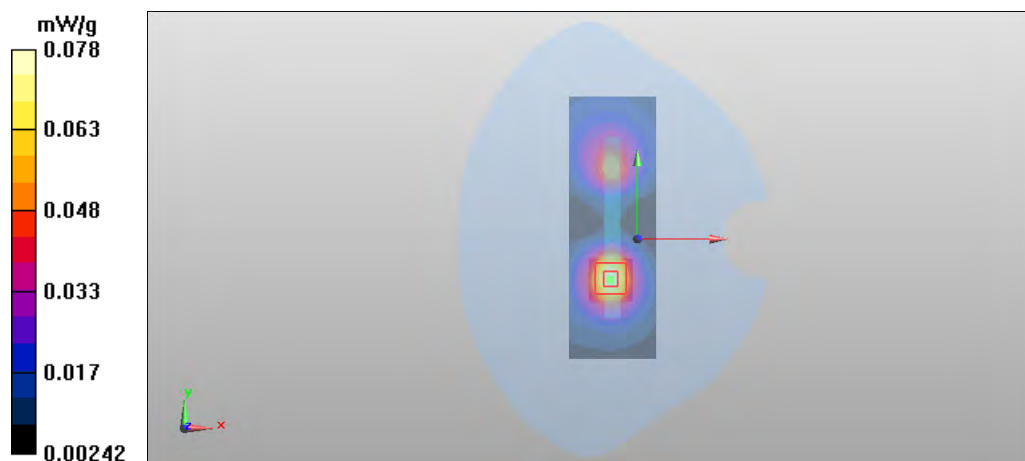
Peak SAR (extrapolated) = 0.108 mW/g

SAR(1 g) = 0.069 mW/g

SAR(10 g) = 0.042 mW/g

Power Drift = 0.13 dB

Maximum value of SAR (measured) = 0.0755 mW/g



Date/Time: 2012-07-08 07:23:50

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE1700/2100

Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: BSL1800; Medium Notes: t= 20.8 C

Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.451 mho/m; ϵ_r = 53.054; ρ = 1000 kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3165

- ConvF(4.84, 4.84, 4.84); Calibrated: 2012-02-21;

- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11

- Phantom: SAM #2 CRP ; Type: QD000P40CD; Serial: -

- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

LTE/Body - Middle - Spacer 10mm - 16QAM - 20MHz - 100% RB - No Accessory - Back Facing Phantom/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.567 mW/g

LTE/Body - Middle - Spacer 10mm - 16QAM - 20MHz - 100% RB - No Accessory - Back Facing Phantom/Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 7.562 V/m

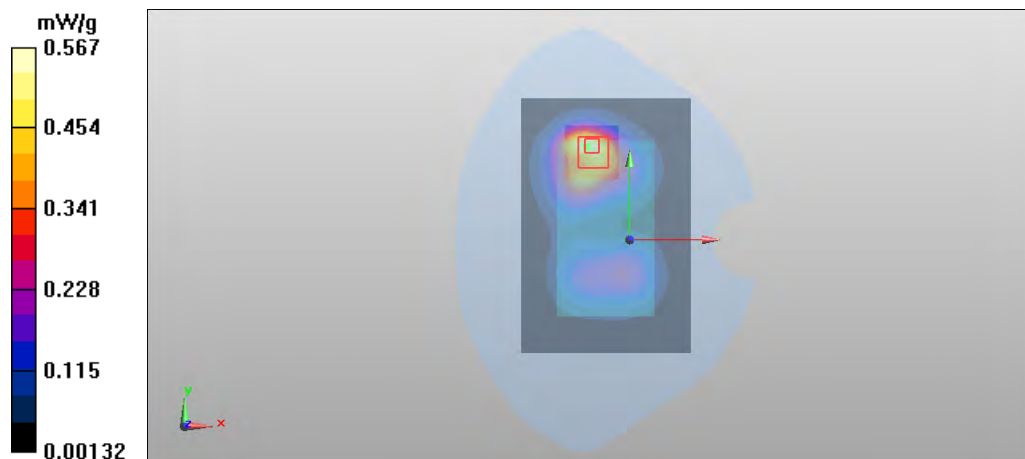
Peak SAR (extrapolated) = 0.834 mW/g

SAR(1 g) = 0.468 mW/g

SAR(10 g) = 0.270 mW/g

Power Drift = -0.02 dB

Maximum value of SAR (measured) = 0.506 mW/g



Date/Time: 2012-07-08 07:43:37

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE1700/2100

Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: BSL1800; Medium Notes: t= 20.8 C

Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.451 mho/m; ϵ_r = 53.054; ρ = 1000 kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3165
- ConvF(4.84, 4.84, 4.84); Calibrated: 2012-02-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11
- Phantom: SAM #2 CRP ; Type: QD000P40CD; Serial: -
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

LTE/Body - Middle - Spacer 10mm - 16QAM - 20MHz - 50% RB - 50% offset - No Accessory - Back Facing

Phantom/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.581 mW/g

LTE/Body - Middle - Spacer 10mm - 16QAM - 20MHz - 50 %RB - 50% offset - No Accessory - Back Facing

Phantom/Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 7.493 V/m

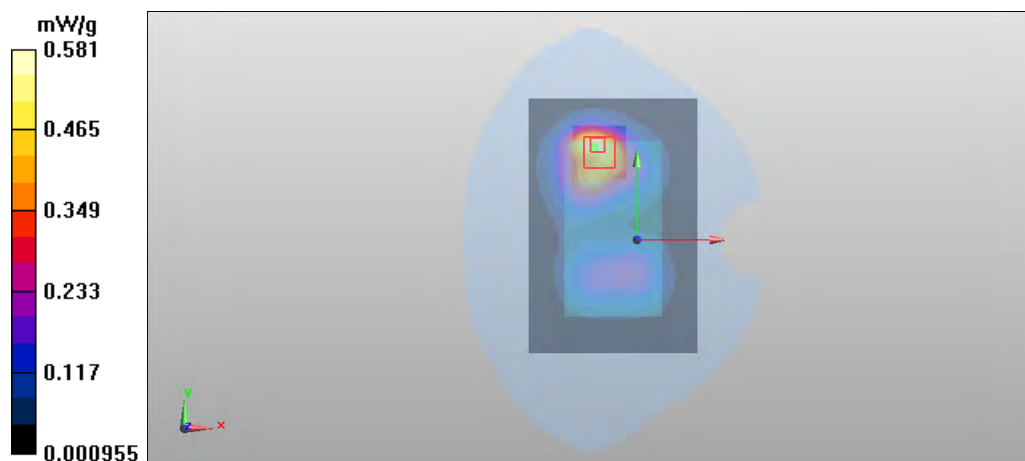
Peak SAR (extrapolated) = 0.853 mW/g

SAR(1 g) = 0.480 mW/g

SAR(10 g) = 0.275 mW/g

Power Drift = 0.14 dB

Maximum value of SAR (measured) = 0.521 mW/g



Date/Time: 2012-07-08 22:18:53

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE1700/2100

Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: BSL1800; Medium Notes: t= 20.8 C

Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.451 mho/m; ϵ_r = 52.852; ρ = 1000 kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3165
- ConvF(4.84, 4.84, 4.84); Calibrated: 2012-02-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11
- Phantom: SAM #2 CRP ; Type: QD000P40CD; Serial: -
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

LTE/Body - Middle - Spacer 10mm - 16QAM - 20MHz - 1RB - 50% offset - No Accessory - Back Facing

Phantom/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.686 mW/g

LTE/Body - Middle - Spacer 10mm - 16QAM - 20MHz - 1RB - 50% offset - No Accessory - Back Facing

Phantom/Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 8.111 V/m

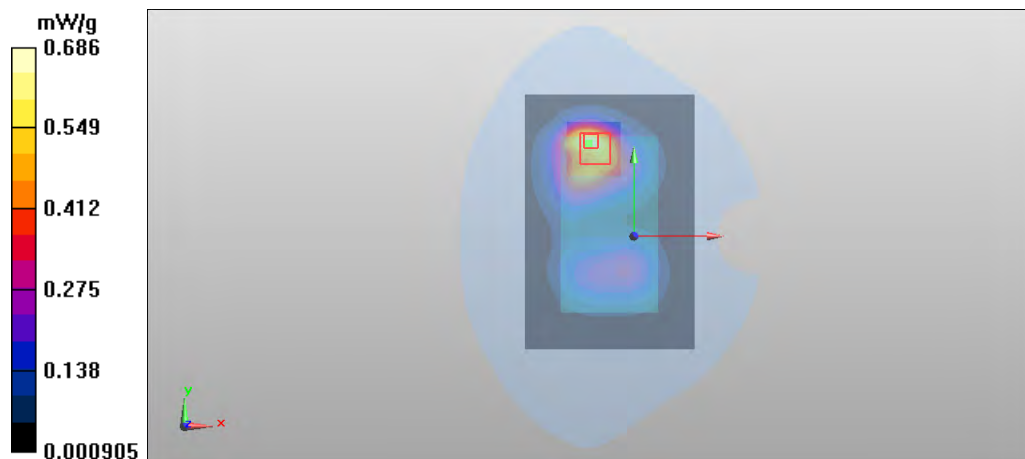
Peak SAR (extrapolated) = 1.028 mW/g

SAR(1 g) = 0.555 mW/g

SAR(10 g) = 0.319 mW/g

Power Drift = 0.02 dB

Maximum value of SAR (measured) = 0.607 mW/g



Date/Time: 2012-07-08 22:46:06

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE1700/2100

Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: BSL1800; Medium Notes: t= 20.8 C

Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.451 mho/m; ϵ_r = 52.852; ρ = 1000 kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3165
- ConvF(4.84, 4.84, 4.84); Calibrated: 2012-02-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11
- Phantom: SAM #2 CRP ; Type: QD000P40CD; Serial: -
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

LTE/Body - Middle - Spacer 10mm - 16QAM - 20MHz - 1RB - 100% offset - No Accessory - Back Facing

Phantom/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.592 mW/g

LTE/Body - Middle - Spacer 10mm - 16QAM - 20MHz - 1RB - 100% offset - No Accessory - Back Facing

Phantom/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 7.727 V/m

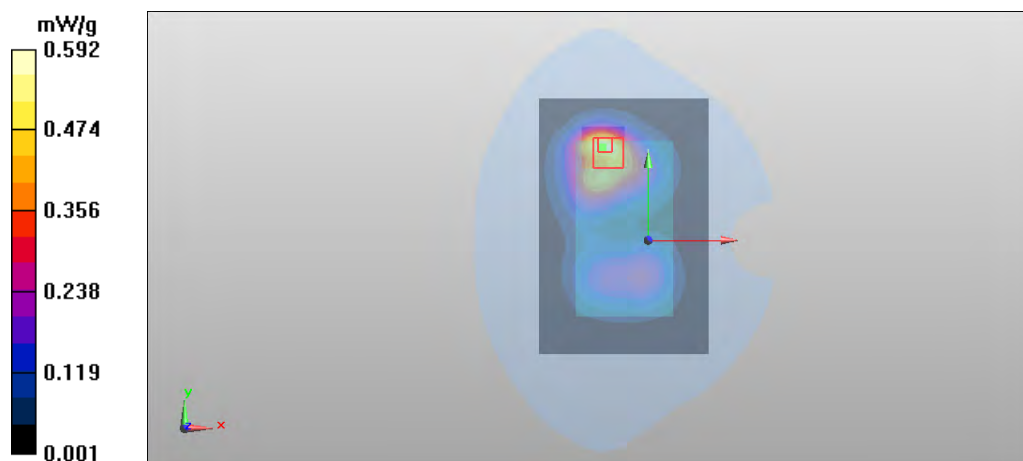
Peak SAR (extrapolated) = 0.917 mW/g

SAR(1 g) = 0.494 mW/g

SAR(10 g) = 0.282 mW/g

Power Drift = 0.12 dB

Maximum value of SAR (measured) = 0.537 mW/g



Date/Time: 2012-07-08 23:03:22

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE1700/2100

Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: BSL1800; Medium Notes: t= 20.8 C

Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.451 mho/m; ϵ_r = 52.852; ρ = 1000 kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3165
- ConvF(4.84, 4.84, 4.84); Calibrated: 2012-02-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11
- Phantom: SAM #2 CRP ; Type: QD000P40CD; Serial: -
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.5 (6469)

LTE/Body - Middle - Spacer 10mm - 16QAM - 20MHz - 1RB - 0% offset - No Accessory - Back Facing

Phantom/Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.683 mW/g

LTE/Body - Middle - Spacer 10mm - 16QAM - 20MHz - 1RB - 0% offset - No Accessory - Back Facing

Phantom/Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 8.302 V/m

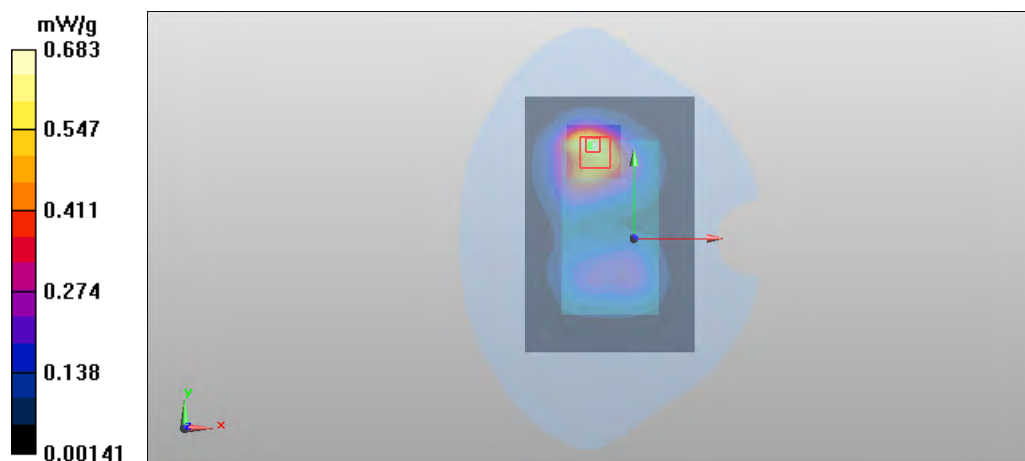
Peak SAR (extrapolated) = 1.091 mW/g

SAR(1 g) = 0.585 mW/g

SAR(10 g) = 0.336 mW/g

Power Drift = 0.03 dB

Maximum value of SAR (measured) = 0.639 mW/g



Date/Time: 2012-08-17 13:22:46

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE1700/2100

Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: BSL1800; Medium Notes: $t = 20.9$ C

Medium parameters used (interpolated): $f = 1732.5$ MHz; $\sigma = 1.442$ mho/m; $\epsilon_r = 52.538$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3165
- ConvF(4.84, 4.84, 4.84); Calibrated: 2012-02-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1309; Calibrated: 2012-01-11
- Phantom: SAM #2 CRP ; Type: QD000P40CD; Serial: TP:xxxx
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.6 (6824)

LTE/Body - Middle - Spacer 10mm - QPSK - 20MHz - 1 RB - 0% offset - No Accessory - Back Facing Phantom - Cover CC-3401/Area Scan (81x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.724 W/kg

LTE/Body - Middle - Spacer 10mm - QPSK - 20MHz - 1 RB - 0% offset - No Accessory - Back Facing Phantom - Cover CC-3401/Zoom Scan (6x6x7)/Cube 0: Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 7.462 V/m

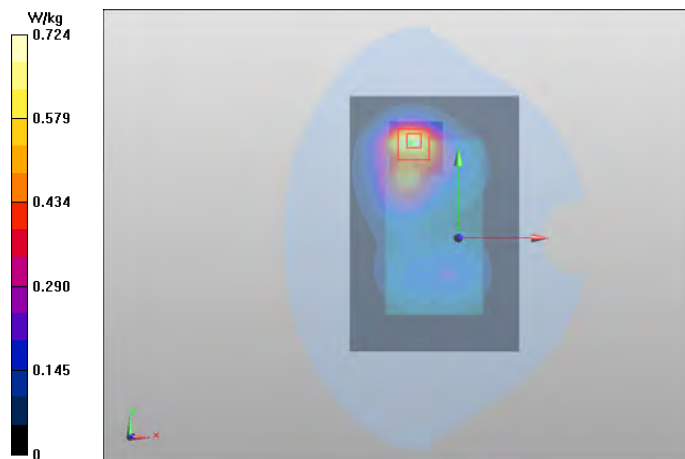
Peak SAR (extrapolated) = 1.081 mW/g

SAR(1 g) = 0.598 mW/g

SAR(10 g) = 0.326 mW/g

Power Drift = 0.16 dB

Maximum value of SAR (measured) = 0.651 W/kg



Date/Time: 2012-07-07 21:52:44

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976059/3

Communication System: 2-slot GPRS1900

Frequency: 1850.2 MHz; Duty Cycle: 1:4.2

Medium: BSL1900; Medium Notes: $t = 21.1$ C

Medium parameters used (interpolated): $f = 1850.2$ MHz; $\sigma = 1.487$ mho/m; $\epsilon_r = 52.438$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3573
- ConvF(6.69, 6.69, 6.69); Calibrated: 2012-02-23;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn793; Calibrated: 2011-09-16
- Phantom: SAM 2; Type: Twin SAM 040 CA; Serial: TP - 1177
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.5 (6469)

2-slot GPRS/Body - Low - Spacer 10mm - No Accessory - Back Facing Phantom/Area Scan (81x121x1):

Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (interpolated) = 1.16 mW/g

2-slot GPRS/Body - Low - Spacer 10mm - No Accessory - Back Facing Phantom/Zoom Scan (5x5x7)/Cube 0:

Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 9.363 V/m

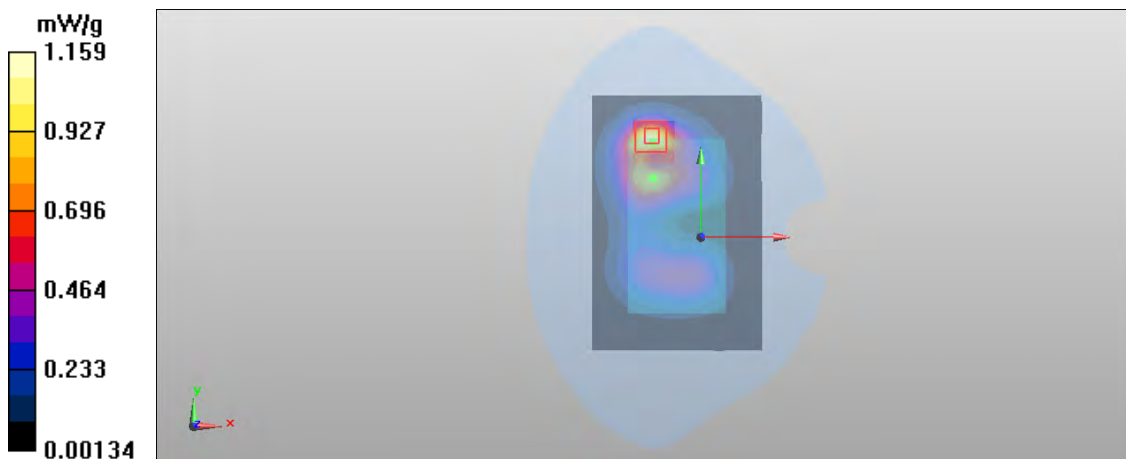
Peak SAR (extrapolated) = 1.796 mW/g

SAR(1 g) = 0.975 mW/g

SAR(10 g) = 0.502 mW/g

Power Drift = 0.01 dB

Maximum value of SAR (measured) = 1.05 mW/g



Date/Time: 2012-07-07 23:09:42

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976059/3

Communication System: 2-slot GPRS1900

Frequency: 1850.2 MHz; Duty Cycle: 1:4.2

Medium: BSL1900; Medium Notes: $t = 21.1$ C

Medium parameters used (interpolated): $f = 1850.2$ MHz; $\sigma = 1.487$ mho/m; $\epsilon_r = 52.438$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3573
- ConvF(6.69, 6.69, 6.69); Calibrated: 2012-02-23;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn793; Calibrated: 2011-09-16
- Phantom: SAM 2; Type: Twin SAM 040 CA; Serial: TP - 1177
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.5 (6469)

2-slot GPRS/Body - Low - Spacer 10mm - No accessory - Display Facing Phantom/Area Scan (81x121x1):

Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (interpolated) = 0.984 mW/g

2-slot GPRS/Body - Low - Spacer 10mm - No accessory - Display Facing Phantom/Zoom Scan (5x5x7)/Cube 0:

Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 12.315 V/m

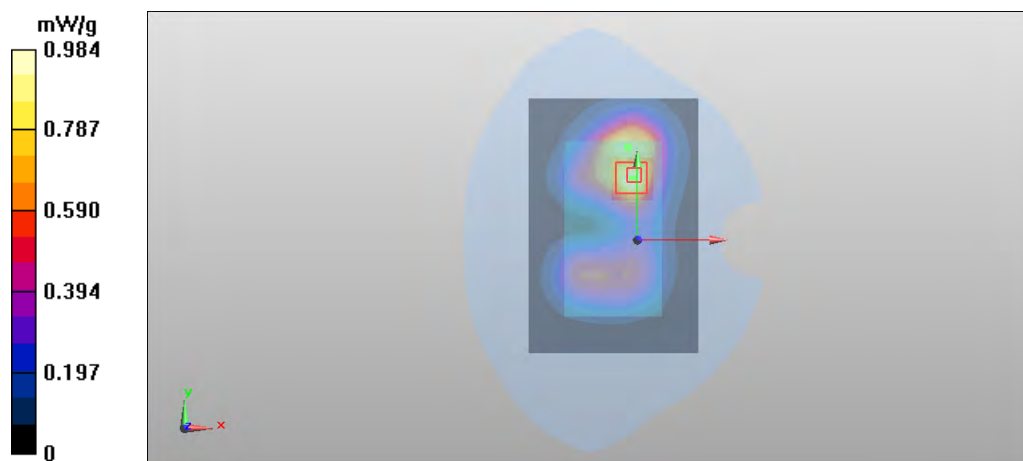
Peak SAR (extrapolated) = 1.421 mW/g

SAR(1 g) = 0.926 mW/g

SAR(10 g) = 0.560 mW/g

Power Drift = -0.27 dB

Maximum value of SAR (measured) = 0.990 mW/g



Date/Time: 2012-07-08 00:10:16

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976059/3

Communication System: 2-slot GPRS1900

Frequency: 1880 MHz; Duty Cycle: 1:4.2

Medium: BSL1900; Medium Notes: $t = 21.1$ C

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.521$ mho/m; $\epsilon_r = 52.347$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3573
- ConvF(6.69, 6.69, 6.69); Calibrated: 2012-02-23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn793; Calibrated: 2011-09-16
- Phantom: SAM 2; Type: Twin SAM 040 CA; Serial: TP - 1177
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.5 (6469)

2-slot GPRS/Body - Middle - Spacer 10mm - No Accessory - Top Edge Facing Phantom/Area Scan (61x121x1):

Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (interpolated) = 0.0612 mW/g

2-slot GPRS/Body - Middle - Spacer 10mm - No Accessory - Top Edge Facing Phantom/Zoom Scan (7x7x7)/Cube

0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 5.658 V/m

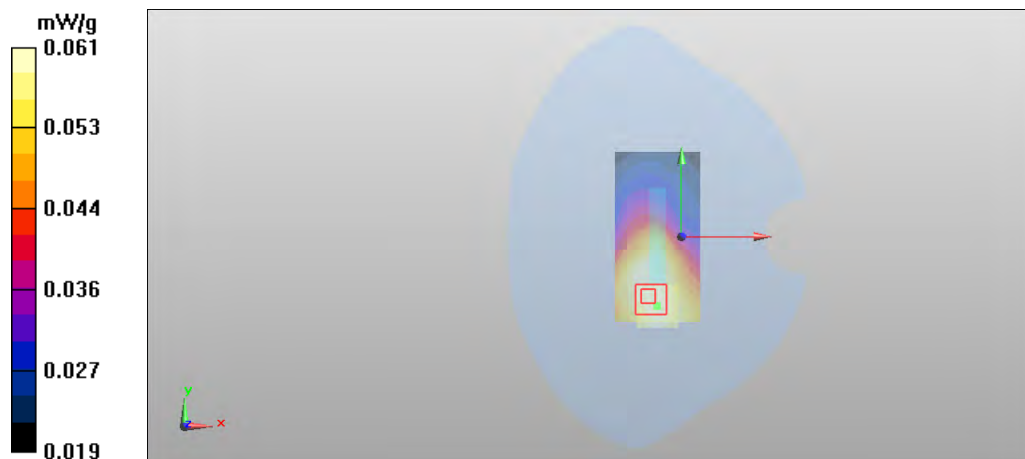
Peak SAR (extrapolated) = 0.088 mW/g

SAR(1 g) = 0.057 mW/g

SAR(10 g) = 0.038 mW/g

Power Drift = -0.03 dB

Maximum value of SAR (measured) = 0.0607 mW/g



Date/Time: 2012-07-08 01:31:03

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976059/3

Communication System: 2-slot GPRS1900

Frequency: 1909.8 MHz; Duty Cycle: 1:4.2

Medium: BSL1900; Medium Notes: $t = 21.1$ C

Medium parameters used: $f = 1910$ MHz; $\sigma = 1.55$ mho/m; $\epsilon_r = 52.276$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3573
- ConvF(6.69, 6.69, 6.69); Calibrated: 2012-02-23;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn793; Calibrated: 2011-09-16
- Phantom: SAM 2; Type: Twin SAM 040 CA; Serial: TP - 1177
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.5 (6469)

2-slot GPRS/Body - High - Spacer 10mm - No Accessory - Bottom Edge Facing Phantom/Area Scan (61x121x1):

Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (interpolated) = 1.51 mW/g

2-slot GPRS/Body - High - Spacer 10mm - No Accessory - Bottom Edge Facing Phantom/Zoom Scan

(7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 24.352 V/m

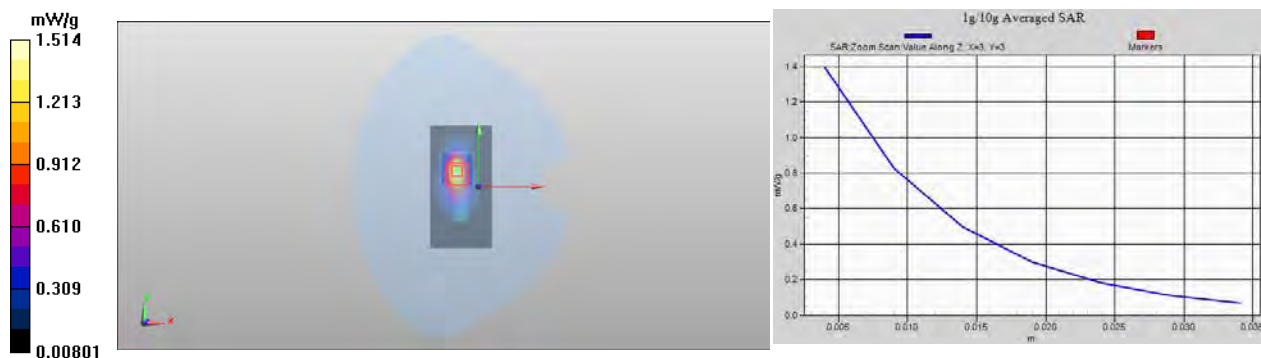
Peak SAR (extrapolated) = 2.183 mW/g

SAR(1 g) = 1.22 mW/g

SAR(10 g) = 0.628 mW/g

Power Drift = -0.10 dB

Maximum value of SAR (measured) = 1.40 mW/g



Date/Time: 2012-07-08 02:54:28

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976059/3

Communication System: 2-slot GPRS1900

Frequency: 1880 MHz; Duty Cycle: 1:4.2

Medium: BSL1900; Medium Notes: $t = 21.1$ C

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.521$ mho/m; $\epsilon_r = 52.347$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3573
- ConvF(6.69, 6.69, 6.69); Calibrated: 2012-02-23;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn793; Calibrated: 2011-09-16
- Phantom: SAM 2; Type: Twin SAM 040 CA; Serial: TP - 1177
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.5 (6469)

2-slot GPRS/Body - Middle - Spacer 10mm - No Accessory - Left Edge Facing Phantom/Area Scan (61x181x1):

Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (interpolated) = 0.461 mW/g

2-slot GPRS/Body - Middle - Spacer 10mm - No Accessory - Left Edge Facing Phantom/Zoom Scan (7x7x7)/Cube

0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 16.041 V/m

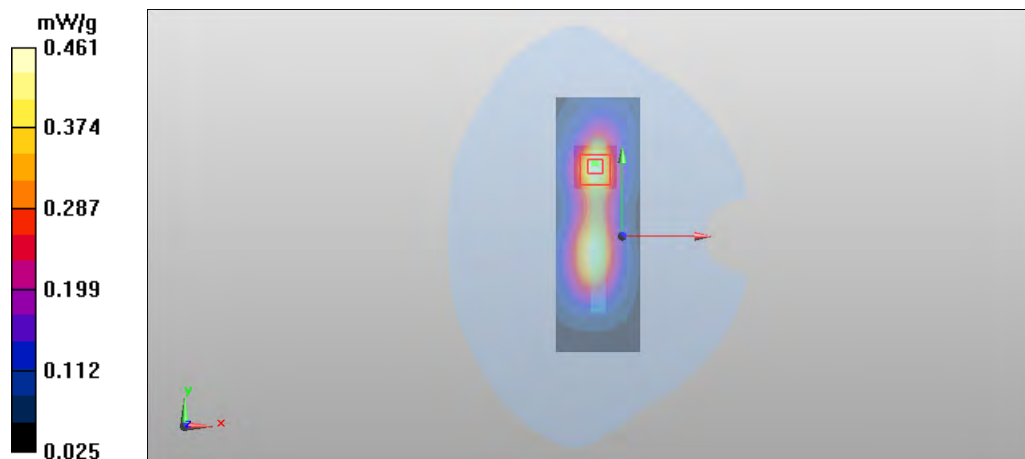
Peak SAR (extrapolated) = 0.673 mW/g

SAR(1 g) = 0.415 mW/g

SAR(10 g) = 0.242 mW/g

Power Drift = -0.03 dB

Maximum value of SAR (measured) = 0.455 mW/g



Date/Time: 2012-07-08 02:22:29

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976059/3

Communication System: 2-slot GPRS1900

Frequency: 1880 MHz; Duty Cycle: 1:4.2

Medium: BSL1900; Medium Notes: $t = 21.1$ C

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.521$ mho/m; $\epsilon_r = 52.347$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3573
- ConvF(6.69, 6.69, 6.69); Calibrated: 2012-02-23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn793; Calibrated: 2011-09-16
- Phantom: SAM 2; Type: Twin SAM 040 CA; Serial: TP - 1177
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.5 (6469)

2-slot GPRS/Body - Middle - Spacer 10mm - No Accessory - Right Edge Facing Phantom/Area Scan (61x181x1):

Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (interpolated) = 0.118 mW/g

2-slot GPRS/Body - Middle - Spacer 10mm - No Accessory - Right Edge Facing Phantom/Zoom Scan

(7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 3.086 V/m

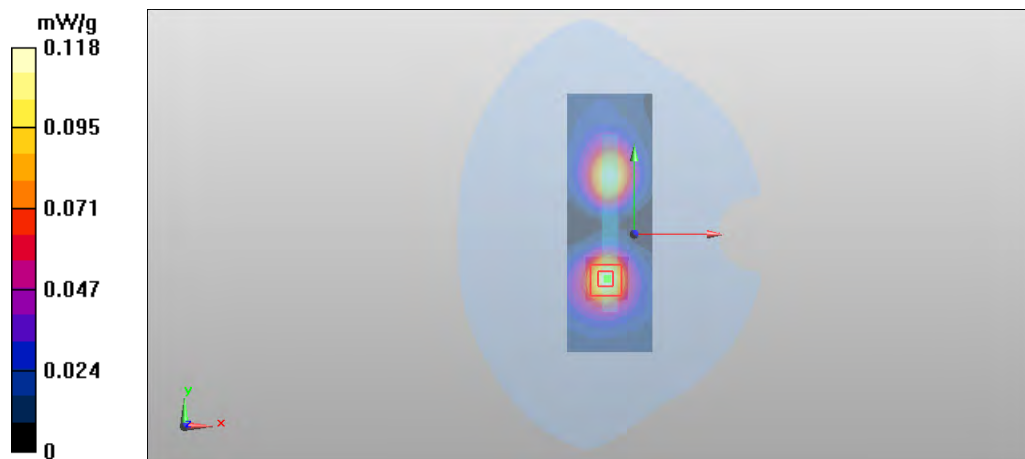
Peak SAR (extrapolated) = 0.165 mW/g

SAR(1 g) = 0.104 mW/g

SAR(10 g) = 0.061 mW/g

Power Drift = 0.26 dB

Maximum value of SAR (measured) = 0.114 mW/g



Date/Time: 2012-07-08 05:05:13

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976059/3

Communication System: WCDMA1900

Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: BSL1900; Medium Notes: $t = 21.1$ C

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.521$ mho/m; $\epsilon_r = 52.347$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3573
- ConvF(6.69, 6.69, 6.69); Calibrated: 2012-02-23;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn793; Calibrated: 2011-09-16
- Phantom: SAM 2; Type: Twin SAM 040 CA; Serial: TP - 1177
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.5 (6469)

WCDMA/Body - Middle - Spacer 10mm - No accessory - Back Facing Phantom/Area Scan (81x121x1):

Measurement grid: $dx=15$ mm, $dy=15$ mm

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

WCDMA/Body - Middle - Spacer 10mm - No accessory - Back Facing Phantom/Zoom Scan (5x5x7)/Cube 0:

Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 7.687 V/m

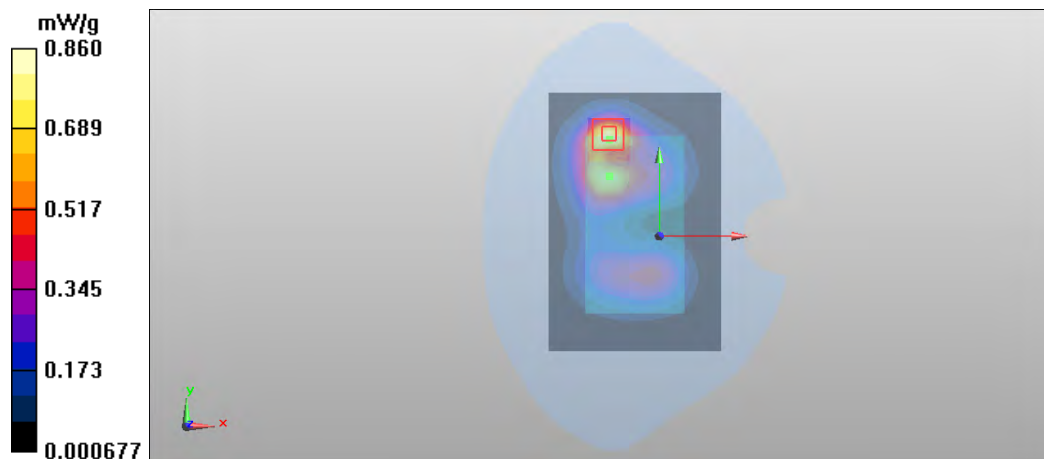
Peak SAR (extrapolated) = 1.360 mW/g

SAR(1 g) = 0.722 mW/g

SAR(10 g) = 0.371 mW/g

Power Drift = 0.07 dB

Maximum value of SAR (measured) = 0.796 mW/g



Date/Time: 2012-07-08 03:52:07

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976059/3

Communication System: WCDMA1900

Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: BSL1900; Medium Notes: $t = 21.1$ C

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.521$ mho/m; $\epsilon_r = 52.347$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3573
- ConvF(6.69, 6.69, 6.69); Calibrated: 2012-02-23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn793; Calibrated: 2011-09-16
- Phantom: SAM 2; Type: Twin SAM 040 CA; Serial: TP - 1177
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.5 (6469)

WCDMA/Body - Middle - Spacer 10mm - No Accessory - Display Facing Phantom/Area Scan (81x121x1):

Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (interpolated) = 0.867 mW/g

WCDMA/Body - Middle - Spacer 10mm - No Accessory - Display Facing Phantom/Zoom Scan (5x5x7)/Cube 0:

Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 10.792 V/m

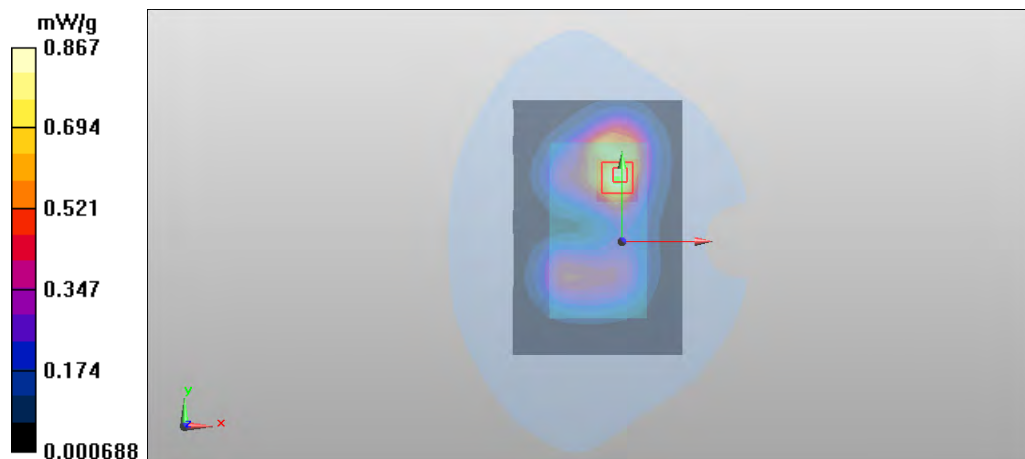
Peak SAR (extrapolated) = 1.305 mW/g

SAR(1 g) = 0.850 mW/g

SAR(10 g) = 0.511 mW/g

Power Drift = -0.09 dB

Maximum value of SAR (measured) = 0.891 mW/g



Date/Time: 2012-07-08 05:35:55

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976059/3

Communication System: WCDMA1900

Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: BSL1900; Medium Notes: $t = 21.1$ C

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.521$ mho/m; $\epsilon_r = 52.347$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3573
- ConvF(6.69, 6.69, 6.69); Calibrated: 2012-02-23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn793; Calibrated: 2011-09-16
- Phantom: SAM 2; Type: Twin SAM 040 CA; Serial: TP - 1177
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.5 (6469)

WCDMA/Body - Middle - Spacer 10mm - No Accessory - Top Edge Facing Phantom/Area Scan (61x121x1):

Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (interpolated) = 0.0642 mW/g

WCDMA/Body - Middle - Spacer 10mm - No Accessory - Top Edge Facing Phantom/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 5.525 V/m

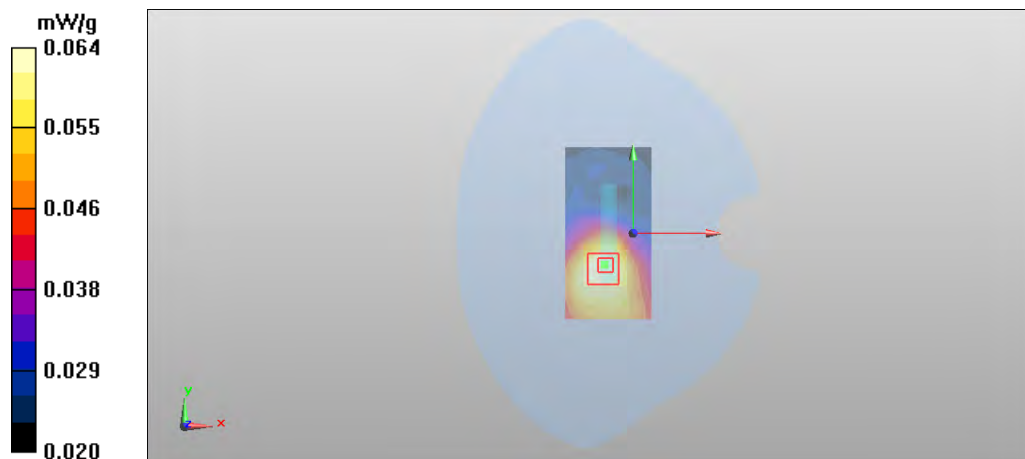
Peak SAR (extrapolated) = 0.091 mW/g

SAR(1 g) = 0.060 mW/g

SAR(10 g) = 0.040 mW/g

Power Drift = 0.04 dB

Maximum value of SAR (measured) = 0.0637 mW/g



Date/Time: 2012-07-08 05:59:23

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976059/3

Communication System: WCDMA1900

Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: BSL1900; Medium Notes: $t = 21.1$ C

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.521$ mho/m; $\epsilon_r = 52.347$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3573
- ConvF(6.69, 6.69, 6.69); Calibrated: 2012-02-23;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn793; Calibrated: 2011-09-16
- Phantom: SAM 2; Type: Twin SAM 040 CA; Serial: TP - 1177
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.5 (6469)

WCDMA/Body - Middle - Spacer 10mm - No Accessory - Bottom Edge Facing Phantom/Area Scan (61x121x1):

Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (interpolated) = 0.994 mW/g

WCDMA/Body - Middle - Spacer 10mm - No Accessory - Bottom Edge Facing Phantom/Zoom Scan (7x7x7)/Cube

0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 19.126 V/m

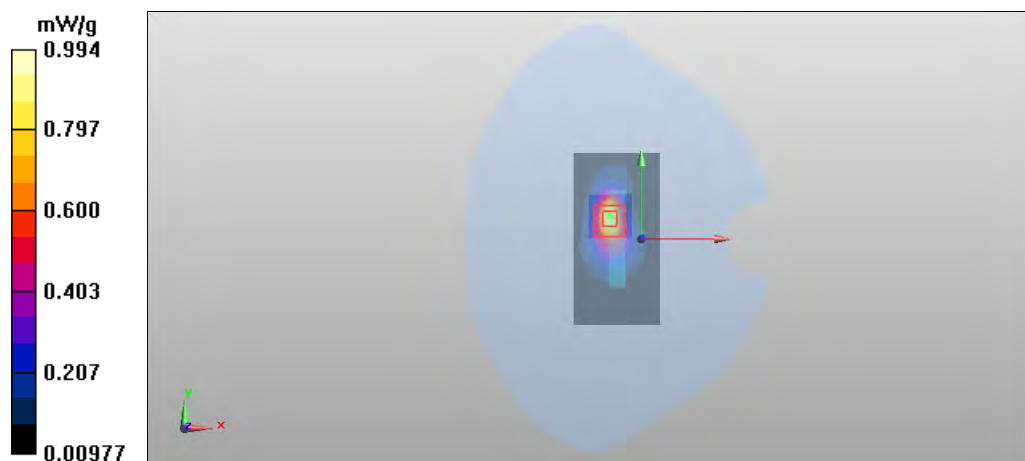
Peak SAR (extrapolated) = 1.423 mW/g

SAR(1 g) = 0.781 mW/g

SAR(10 g) = 0.391 mW/g

Power Drift = 0.04 dB

Maximum value of SAR (measured) = 0.893 mW/g



Date/Time: 2012-07-08 07:13:25

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976059/3

Communication System: WCDMA1900

Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: BSL1900; Medium Notes: $t = 21.1$ C

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.521$ mho/m; $\epsilon_r = 52.347$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3573
- ConvF(6.69, 6.69, 6.69); Calibrated: 2012-02-23;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn793; Calibrated: 2011-09-16
- Phantom: SAM 2; Type: Twin SAM 040 CA; Serial: TP - 1177
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.5 (6469)

WCDMA/Body - Middle - Spacer 10mm - No Accessory - Left Edge Facing Phantom/Area Scan (61x181x1):

Measurement grid: $dx=10$ mm, $dy=10$ mm

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

WCDMA/Body - Middle - Spacer 10mm - No Accessory - Left Edge Facing Phantom/Zoom Scan 3 (7x7x7)/Cube 0:

Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 15.892 V/m

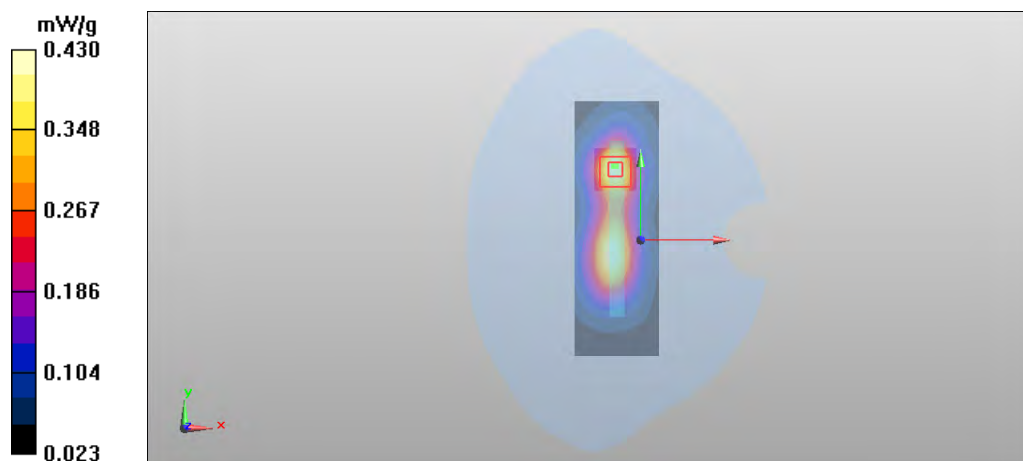
Peak SAR (extrapolated) = 0.630 mW/g

SAR(1 g) = 0.385 mW/g

SAR(10 g) = 0.225 mW/g

Power Drift = 0.01 dB

Maximum value of SAR (measured) = 0.424 mW/g



Date/Time: 2012-07-08 06:35:01

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976059/3

Communication System: WCDMA1900

Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: BSL1900; Medium Notes: $t = 21.1$ C

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.521$ mho/m; $\epsilon_r = 52.347$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3573
- ConvF(6.69, 6.69, 6.69); Calibrated: 2012-02-23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn793; Calibrated: 2011-09-16
- Phantom: SAM 2; Type: Twin SAM 040 CA; Serial: TP - 1177
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.5 (6469)

WCDMA/Body - Middle - Spacer 10mm - No Accessory - Right Edge Facing Phantom/Area Scan (61x181x1):

Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (interpolated) = 0.120 mW/g

WCDMA/Body - Middle - Spacer 10mm - No Accessory - Right Edge Facing Phantom/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 2.993 V/m

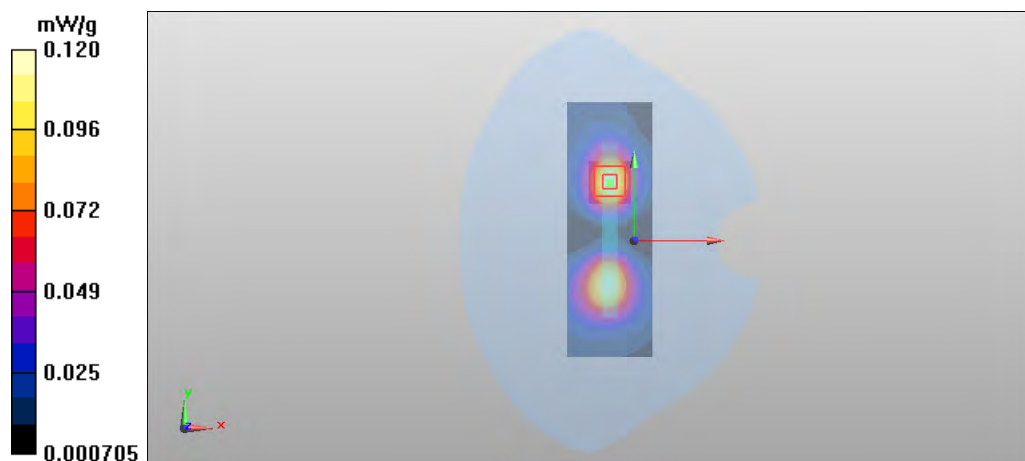
Peak SAR (extrapolated) = 0.171 mW/g

SAR(1 g) = 0.106 mW/g

SAR(10 g) = 0.062 mW/g

Power Drift = -0.04 dB

Maximum value of SAR (measured) = 0.116 mW/g



Date/Time: 2012-08-22 17:45:36

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976059/3

Communication System: 2-slot GPRS1900

Frequency: 1850.2 MHz; Duty Cycle: 1:4.2

Medium: BSL1900; Medium Notes: $t = 21.1$ C

Medium parameters used (interpolated): $f = 1850.2$ MHz; $\sigma = 1.478$ mho/m; $\epsilon_r = 51.793$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3573
- ConvF(6.69, 6.69, 6.69); Calibrated: 2012-02-23;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn538; Calibrated: 2012-08-03
- Phantom: SAM 2; Type: Twin SAM 040 CA; Serial: TP - 1177
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.6 (6824)

2-slot GPRS/Body - Low - Spacer 10mm - No Accessory - Bottom Edge Facing Phantom - Cover CC-3401/Area

Scan (61x121x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 1.38 W/kg

2-slot GPRS/Body - Low - Spacer 10mm - No Accessory - Bottom Edge Facing Phantom - Cover CC-3401/Zoom

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

Reference Value = 24.632 V/m

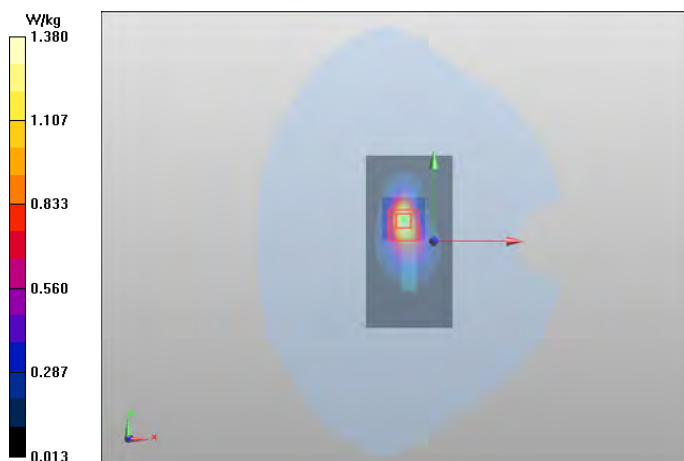
Peak SAR (extrapolated) = 2.031 mW/g

SAR(1 g) = 1.11 mW/g

SAR(10 g) = 0.562 mW/g

Power Drift = -0.01 dB

Maximum value of SAR (measured) = 1.27 W/kg



Date/Time: 2012-08-18 03:03:57

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976171/6

Communication System: LTE1900

Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: BSL1900; Medium Notes: $t = 21.9\text{ C}$

Medium parameters used: $f = 1880\text{ MHz}$; $\sigma = 1.501\text{ mho/m}$; $\epsilon_r = 51.921$; $\rho = 1000\text{ kg/m}^3$

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3573
- ConvF(6.69, 6.69, 6.69); Calibrated: 2012-02-23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn538; Calibrated: 2012-08-03
- Phantom: SAM 2; Type: Twin SAM 040 CA; Serial: TP - 1177
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.6 (6824)

LTE/Body - Middle - QPSK - 20MHz - 100% RB - Spacer 10mm - No Accessory - Back Facing Phantom/Area Scan (81x121x1): Interpolated grid: $dx=1.500\text{ mm}$, $dy=1.500\text{ mm}$

Maximum value of SAR (interpolated) = 0.807 W/kg

LTE/Body - Middle - QPSK - 20MHz - 100% RB - Spacer 10mm - No Accessory - Back Facing Phantom/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 8.131 V/m

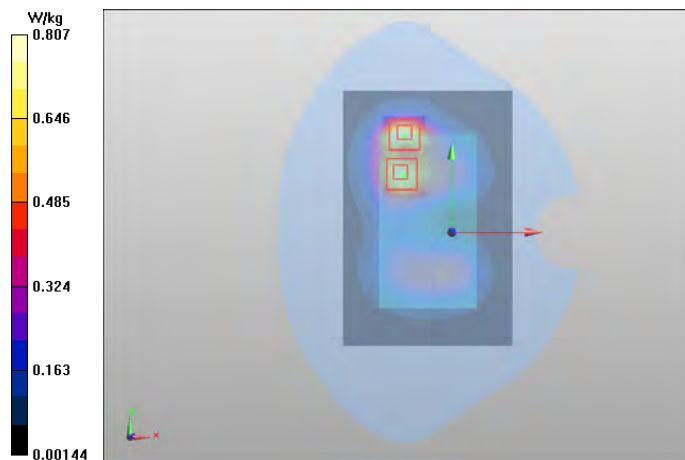
Peak SAR (extrapolated) = 1.110 mW/g

SAR(1 g) = 0.717 mW/g

SAR(10 g) = 0.428 mW/g

Power Drift = -0.05 dB

Maximum value of SAR (measured) = 0.754 W/kg



Date/Time: 2012-08-18 03:30:00

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976171/6

Communication System: LTE1900

Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: BSL1900; Medium Notes: $t = 21.9\text{ C}$

Medium parameters used: $f = 1880\text{ MHz}$; $\sigma = 1.501\text{ mho/m}$; $\epsilon_r = 51.921$; $\rho = 1000\text{ kg/m}^3$

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3573
- ConvF(6.69, 6.69, 6.69); Calibrated: 2012-02-23;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn538; Calibrated: 2012-08-03
- Phantom: SAM 2; Type: Twin SAM 040 CA; Serial: TP - 1177
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.6 (6824)

LTE/Body - Middle - QPSK - 20MHz - 50RB - 50% offset - Spacer 10mm - No Accessory - Back Facing

Phantom/Area Scan (81x121x1): Interpolated grid: $dx=1.500\text{ mm}$, $dy=1.500\text{ mm}$

Maximum value of SAR (interpolated) = 0.770 W/kg

LTE/Body - Middle - QPSK - 20MHz - 50RB - 50% offset - Spacer 10mm - No Accessory - Back Facing

Phantom/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 8.082 V/m

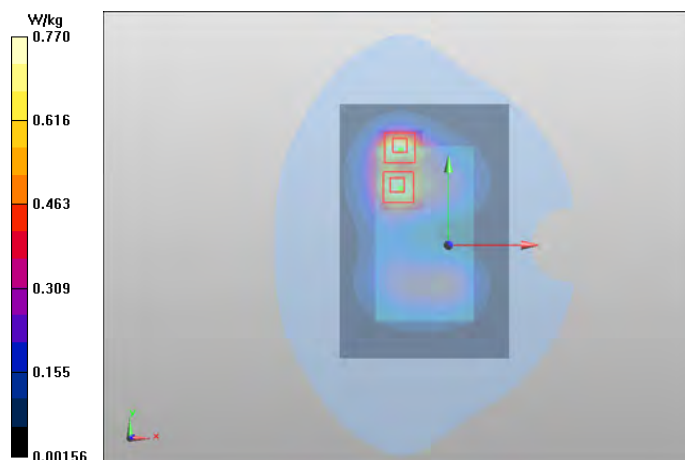
Peak SAR (extrapolated) = 1.069 mW/g

SAR(1 g) = 0.694 mW/g

SAR(10 g) = 0.416 mW/g

Power Drift = -0.04 dB

Maximum value of SAR (measured) = 0.720 W/kg



Date/Time: 2012-08-18 03:49:49

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976171/6

Communication System: LTE1900

Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: BSL1900; Medium Notes: $t = 21.9\text{ C}$

Medium parameters used: $f = 1880\text{ MHz}$; $\sigma = 1.501\text{ mho/m}$; $\epsilon_r = 51.921$; $\rho = 1000\text{ kg/m}^3$

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3573
- ConvF(6.69, 6.69, 6.69); Calibrated: 2012-02-23;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn538; Calibrated: 2012-08-03
- Phantom: SAM 2; Type: Twin SAM 040 CA; Serial: TP - 1177
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.6 (6824)

LTE/Body - Middle - QPSK - 20MHz - 1RB - 50% offset - Spacer 10mm - No Accessory - Back Facing

Phantom/Area Scan (81x121x1): Interpolated grid: $dx=1.500\text{ mm}$, $dy=1.500\text{ mm}$

Maximum value of SAR (interpolated) = 0.828 W/kg

LTE/Body - Middle - QPSK - 20MHz - 1RB - 50% offset - Spacer 10mm - No Accessory - Back Facing

Phantom/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 8.324 V/m

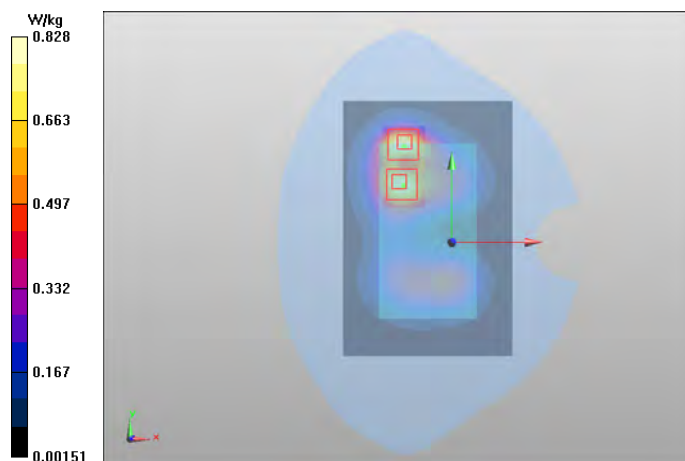
Peak SAR (extrapolated) = 1.173 mW/g

SAR(1 g) = 0.762 mW/g

SAR(10 g) = 0.458 mW/g

Power Drift = 0.05 dB

Maximum value of SAR (measured) = 0.795 W/kg



Date/Time: 2012-08-18 04:13:26

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976171/6

Communication System: LTE1900

Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: BSL1900; Medium Notes: $t = 21.9$ C

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.501$ mho/m; $\epsilon_r = 51.921$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3573
- ConvF(6.69, 6.69, 6.69); Calibrated: 2012-02-23;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn538; Calibrated: 2012-08-03
- Phantom: SAM 2; Type: Twin SAM 040 CA; Serial: TP - 1177
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.6 (6824)

LTE/Body - Middle - QPSK - 20MHz - 1RB - 100% offset - Spacer 10mm - No Accessory - Back Facing

Phantom/Area Scan (81x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.959 W/kg

LTE/Body - Middle - QPSK - 20MHz - 1RB - 100% offset - Spacer 10mm - No Accessory - Back Facing

Phantom/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 8.714 V/m

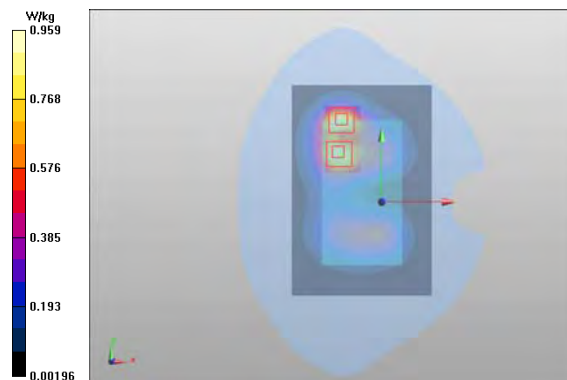
Peak SAR (extrapolated) = 1.304 mW/g

SAR(1 g) = 0.854 mW/g

SAR(10 g) = 0.511 mW/g

Power Drift = -0.13 dB

Maximum value of SAR (measured) = 0.891 W/kg



Date/Time: 2012-08-22 20:20:03

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976171/6

Communication System: LTE1900

Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: BSL1900; Medium Notes: $t = 21.1$ C

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.503$ mho/m; $\epsilon_r = 51.72$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3573
- ConvF(6.69, 6.69, 6.69); Calibrated: 2012-02-23;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn538; Calibrated: 2012-08-03
- Phantom: SAM 2; Type: Twin SAM 040 CA; Serial: TP - 1177
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.6 (6824)

LTE/Body - Middle - QPSK - 20MHz - 1RB - 100% offset - Spacer 10mm - No Accessory - Display Facing

Phantom/Area Scan (81x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.792 W/kg

LTE/Body - Middle - QPSK - 20MHz - 1RB - 100% offset - Spacer 10mm - No Accessory - Display Facing

Phantom/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 10.689 V/m

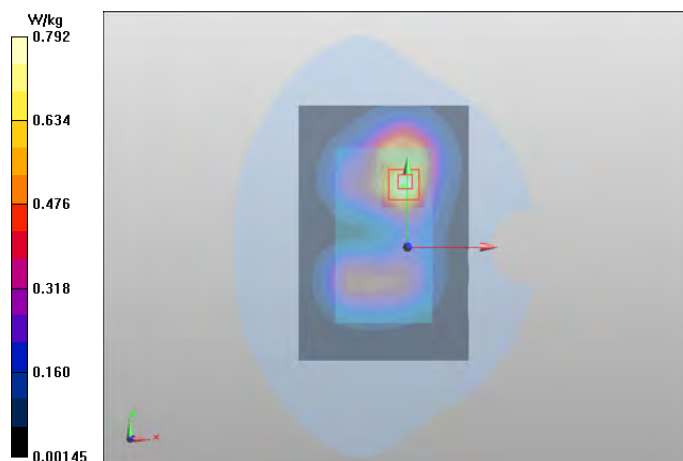
Peak SAR (extrapolated) = 1.203 mW/g

SAR(1 g) = 0.770 mW/g

SAR(10 g) = 0.461 mW/g

Power Drift = -0.15 dB

Maximum value of SAR (measured) = 0.808 W/kg



Date/Time: 2012-08-23 08:50:20

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976171/6

Communication System: LTE1900

Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: BSL1900; Medium Notes: $t = 21.1$ C

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.503$ mho/m; $\epsilon_r = 51.72$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3573
- ConvF(6.69, 6.69, 6.69); Calibrated: 2012-02-23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn538; Calibrated: 2012-08-03
- Phantom: SAM 2; Type: Twin SAM 040 CA; Serial: TP - 1177
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.6 (6824)

LTE/Body - Middle - Spacer 10mm - QPSK - 1 RB - 100% offset - No Accessory - Top Edge Facing Phantom/Area Scan (61x121x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 0.0784 W/kg

LTE/Body - Middle - Spacer 10mm - QPSK - 1 RB - 100% offset - No Accessory - Top Edge Facing Phantom/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 6.641 V/m

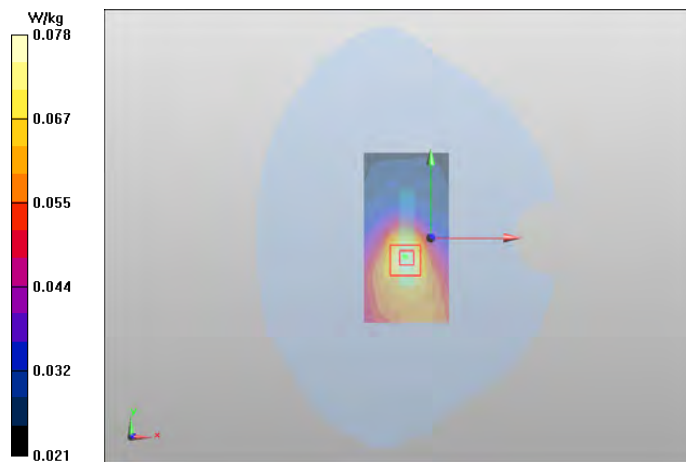
Peak SAR (extrapolated) = 0.110 mW/g

SAR(1 g) = 0.072 mW/g

SAR(10 g) = 0.046 mW/g

Power Drift = 0.06 dB

Maximum value of SAR (measured) = 0.0769 W/kg



Date/Time: 2012-08-23 09:13:31

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976171/6

Communication System: LTE1900

Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: BSL1900; Medium Notes: $t = 21.1$ C

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.503$ mho/m; $\epsilon_r = 51.72$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3573
- ConvF(6.69, 6.69, 6.69); Calibrated: 2012-02-23;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn538; Calibrated: 2012-08-03
- Phantom: SAM 2; Type: Twin SAM 040 CA; Serial: TP - 1177
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.6 (6824)

LTE/Body - Middle - Spacer 10mm - QPSK - 1 RB - 100% offset - No Accessory - Bottom Edge Facing

Phantom/Area Scan (61x121x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 1.01 W/kg

LTE/Body - Middle - Spacer 10mm - QPSK - 1 RB - 100% offset - No Accessory - Bottom Edge Facing

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

Reference Value = 19.872 V/m

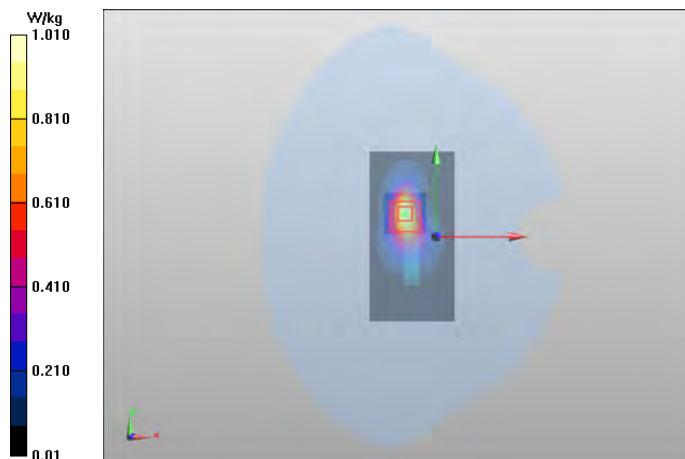
Peak SAR (extrapolated) = 1.501 mW/g

SAR(1 g) = 0.811 mW/g

SAR(10 g) = 0.408 mW/g

Power Drift = 0.02 dB

Maximum value of SAR (measured) = 0.928 W/kg



Date/Time: 2012-08-23 08:25:43

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976171/6

Communication System: LTE1900

Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: BSL1900; Medium Notes: $t = 21.1$ C

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.503$ mho/m; $\epsilon_r = 51.72$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3573
- ConvF(6.69, 6.69, 6.69); Calibrated: 2012-02-23;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn538; Calibrated: 2012-08-03
- Phantom: SAM 2; Type: Twin SAM 040 CA; Serial: TP - 1177
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.6 (6824)

LTE/Body - Middle - Spacer 10mm - QPSK - 1 RB - 100% offset - No Accessory - Left Edge Facing Phantom/Area Scan (61x181x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 0.473 W/kg

LTE/Body - Middle - Spacer 10mm - QPSK - 1 RB - 100% offset - No Accessory - Left Edge Facing Phantom/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 16.406 V/m

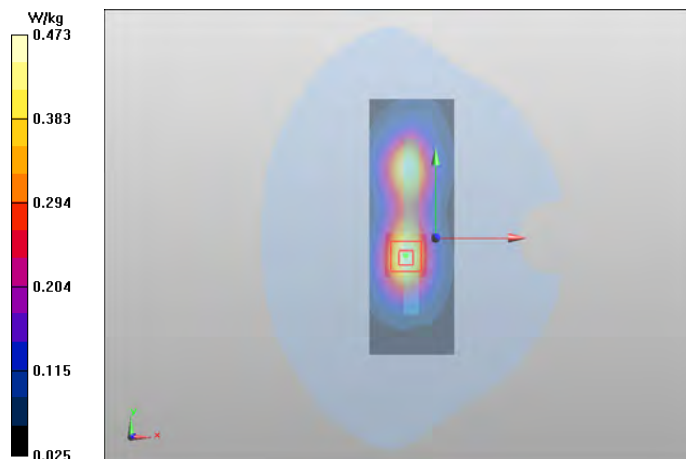
Peak SAR (extrapolated) = 0.666 mW/g

SAR(1 g) = 0.423 mW/g

SAR(10 g) = 0.256 mW/g

Power Drift = -0.26 dB

Maximum value of SAR (measured) = 0.461 W/kg



Date/Time: 2012-08-22 20:39:25

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976171/6

Communication System: LTE1900

Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: BSL1900; Medium Notes: $t = 21.1$ C

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.503$ mho/m; $\epsilon_r = 51.72$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3573
- ConvF(6.69, 6.69, 6.69); Calibrated: 2012-02-23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn538; Calibrated: 2012-08-03
- Phantom: SAM 2; Type: Twin SAM 040 CA; Serial: TP - 1177
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.6 (6824)

LTE/Body - Middle - Spacer 10mm - QPSK - 1 RB - 100% offset - No Accessory - Right Edge Facing Phantom/Area Scan (61x181x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 0.119 W/kg

LTE/Body - Middle - Spacer 10mm - QPSK - 1 RB - 100% offset - No Accessory - Right Edge Facing Phantom/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 2.571 V/m

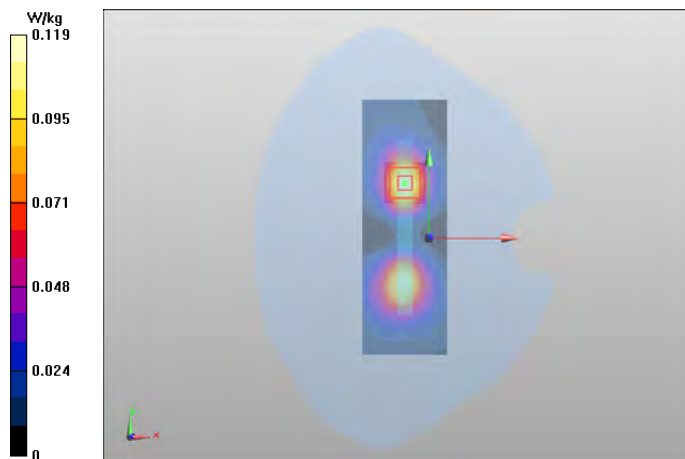
Peak SAR (extrapolated) = 0.180 mW/g

SAR(1 g) = 0.109 mW/g

SAR(10 g) = 0.063 mW/g

Power Drift = 0.38 dB

Maximum value of SAR (measured) = 0.121 W/kg



Date/Time: 2012-08-18 05:33:37

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976171/6

Communication System: LTE1900

Frequency: 1860 MHz; Duty Cycle: 1:1

Medium: BSL1900; Medium Notes: $t = 21.9\text{ C}$

Medium parameters used: $f = 1860\text{ MHz}$; $\sigma = 1.485\text{ mho/m}$; $\epsilon_r = 51.973$; $\rho = 1000\text{ kg/m}^3$

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3573
- ConvF(6.69, 6.69, 6.69); Calibrated: 2012-02-23;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn538; Calibrated: 2012-08-03
- Phantom: SAM 2; Type: Twin SAM 040 CA; Serial: TP - 1177
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.6 (6824)

LTE/Body - Low - QPSK - 20MHz - 1RB - 0% offset - Spacer 10mm - No Accessory - Back Facing Phantom/Area

Scan (81x121x1): Interpolated grid: $dx=1.500\text{ mm}$, $dy=1.500\text{ mm}$

Maximum value of SAR (interpolated) = 0.943 W/kg

LTE/Body - Low - QPSK - 20MHz - 1RB - 0% offset - Spacer 10mm - No Accessory - Back Facing Phantom/Zoom

Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 8.730 V/m

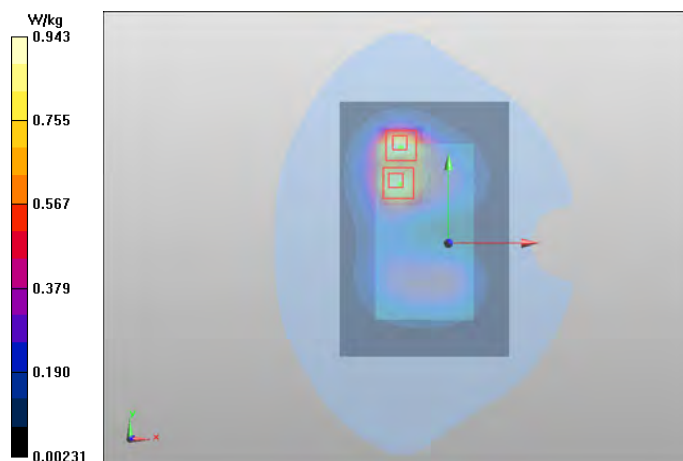
Peak SAR (extrapolated) = 1.322 mW/g

SAR(1 g) = 0.850 mW/g

SAR(10 g) = 0.508 mW/g

Power Drift = 0.19 dB

Maximum value of SAR (measured) = 0.890 W/kg



Date/Time: 2012-08-22 19:08:22

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976171/6

Communication System: LTE1900

Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: BSL1900; Medium Notes: $t = 21.1\text{ C}$

Medium parameters used: $f = 1880\text{ MHz}$; $\sigma = 1.503\text{ mho/m}$; $\epsilon_r = 51.72$; $\rho = 1000\text{ kg/m}^3$

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3573
- ConvF(6.69, 6.69, 6.69); Calibrated: 2012-02-23;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn538; Calibrated: 2012-08-03
- Phantom: SAM 2; Type: Twin SAM 040 CA; Serial: TP - 1177
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.6 (6824)

LTE/Body - Middle -16QAM - 20MHz - 100% RB - Spacer 10mm - No Accessory - Back Facing Phantom/Area Scan (81x121x1): Interpolated grid: $dx=1.500\text{ mm}$, $dy=1.500\text{ mm}$

Maximum value of SAR (interpolated) = 0.536 W/kg

LTE/Body - Middle -16QAM - 20MHz - 100% RB - Spacer 10mm - No Accessory - Back Facing Phantom/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{ mm}$, $dy=7.5\text{ mm}$, $dz=5\text{ mm}$

Reference Value = 5.299 V/m

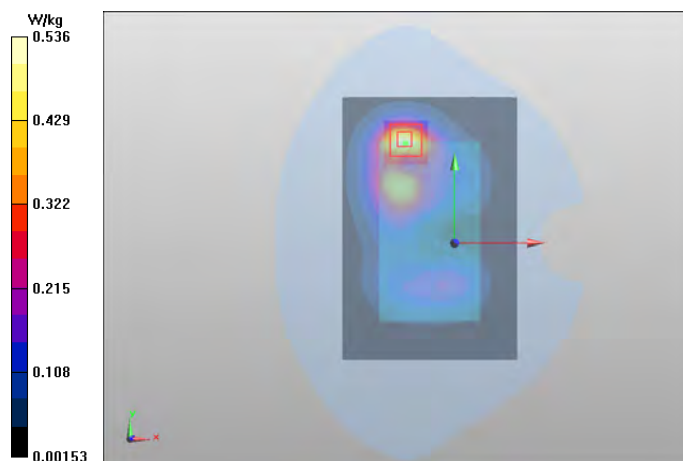
Peak SAR (extrapolated) = 0.838 mW/g

SAR(1 g) = 0.462 mW/g

SAR(10 g) = 0.241 mW/g

Power Drift = 0.27 dB

Maximum value of SAR (measured) = 0.510 W/kg



Date/Time: 2012-08-22 19:22:00

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976171/6

Communication System: LTE1900

Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: BSL1900; Medium Notes: $t = 21.1$ C

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.503$ mho/m; $\epsilon_r = 51.72$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3573
- ConvF(6.69, 6.69, 6.69); Calibrated: 2012-02-23;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn538; Calibrated: 2012-08-03
- Phantom: SAM 2; Type: Twin SAM 040 CA; Serial: TP - 1177
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.6 (6824)

LTE/Body - Middle -16QAM - 20MHz – 50% RB - 50% offset - Spacer 10mm - No Accessory - Back Facing

Phantom/Area Scan (81x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.549 W/kg

LTE/Body - Middle -16QAM - 20MHz – 50% RB - 50% offset - Spacer 10mm - No Accessory - Back Facing

Phantom/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 5.393 V/m

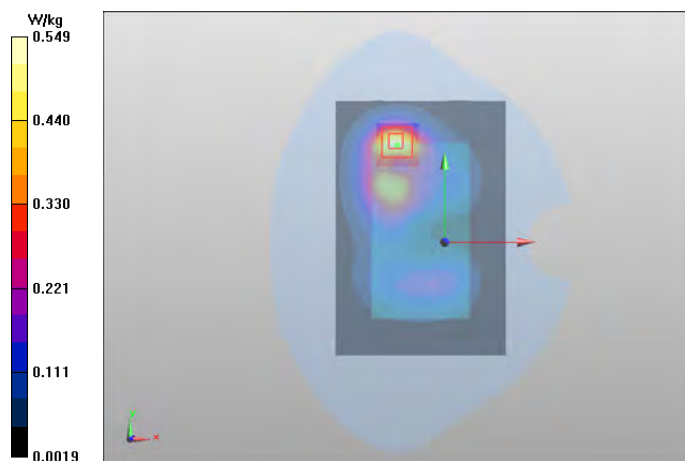
Peak SAR (extrapolated) = 0.862 mW/g

SAR(1 g) = 0.473 mW/g

SAR(10 g) = 0.246 mW/g

Power Drift = 0.15 dB

Maximum value of SAR (measured) = 0.517 W/kg



Date/Time: 2012-08-22 19:35:16

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976171/6

Communication System: LTE1900

Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: BSL1900; Medium Notes: $t = 21.1$ C

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.503$ mho/m; $\epsilon_r = 51.72$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3573
- ConvF(6.69, 6.69, 6.69); Calibrated: 2012-02-23;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn538; Calibrated: 2012-08-03
- Phantom: SAM 2; Type: Twin SAM 040 CA; Serial: TP - 1177
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.6 (6824)

LTE/Body - Middle -16QAM - 20MHz - 1 RB - 50% offset - Spacer 10mm - No Accessory - Back Facing

Phantom/Area Scan (81x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.586 W/kg

LTE/Body - Middle -16QAM - 20MHz - 1 RB - 50% offset - Spacer 10mm - No Accessory - Back Facing

Phantom/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 5.574 V/m

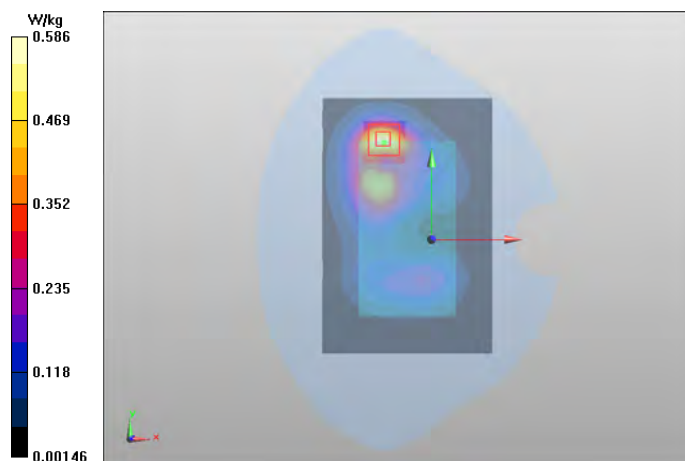
Peak SAR (extrapolated) = 0.906 mW/g

SAR(1 g) = 0.500 mW/g

SAR(10 g) = 0.262 mW/g

Power Drift = 0.29 dB

Maximum value of SAR (measured) = 0.544 W/kg



Date/Time: 2012-08-22 19:48:58

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976171/6

Communication System: LTE1900

Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: BSL1900; Medium Notes: $t = 21.1$ C

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.503$ mho/m; $\epsilon_r = 51.72$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3573
- ConvF(6.69, 6.69, 6.69); Calibrated: 2012-02-23;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn538; Calibrated: 2012-08-03
- Phantom: SAM 2; Type: Twin SAM 040 CA; Serial: TP - 1177
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.6 (6824)

LTE/Body - Middle -16QAM - 20MHz - 1 RB - 100% offset - Spacer 10mm - No Accessory - Back Facing

Phantom/Area Scan (81x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.598 W/kg

LTE/Body - Middle -16QAM - 20MHz - 1 RB - 100% offset - Spacer 10mm - No Accessory - Back Facing

Phantom/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 5.508 V/m

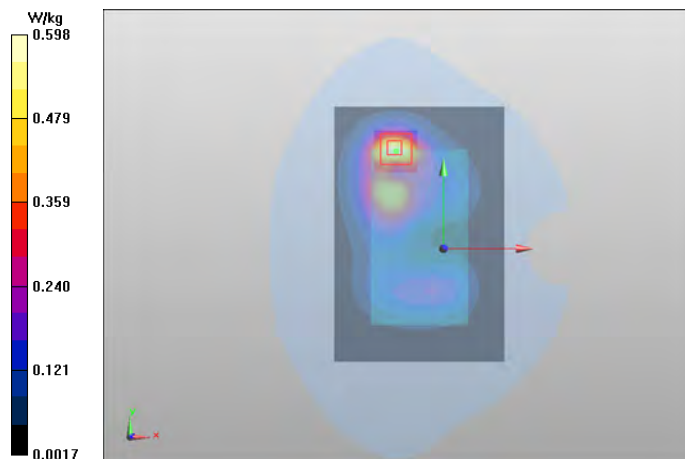
Peak SAR (extrapolated) = 0.931 mW/g

SAR(1 g) = 0.512 mW/g

SAR(10 g) = 0.267 mW/g

Power Drift = 0.22 dB

Maximum value of SAR (measured) = 0.560 W/kg



Date/Time: 2012-08-22 20:04:25

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976171/6

Communication System: LTE1900

Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: BSL1900; Medium Notes: $t = 21.1$ C

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.503$ mho/m; $\epsilon_r = 51.72$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3573
- ConvF(6.69, 6.69, 6.69); Calibrated: 2012-02-23;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn538; Calibrated: 2012-08-03
- Phantom: SAM 2; Type: Twin SAM 040 CA; Serial: TP - 1177
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.6 (6824)

LTE/Body - Middle -16QAM - 20MHz - 1 RB - 0% offset - Spacer 10mm - No Accessory - Back Facing

Phantom/Area Scan (81x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.594 W/kg

LTE/Body - Middle -16QAM - 20MHz - 1 RB - 0% offset - Spacer 10mm - No Accessory - Back Facing

Phantom/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 5.490 V/m

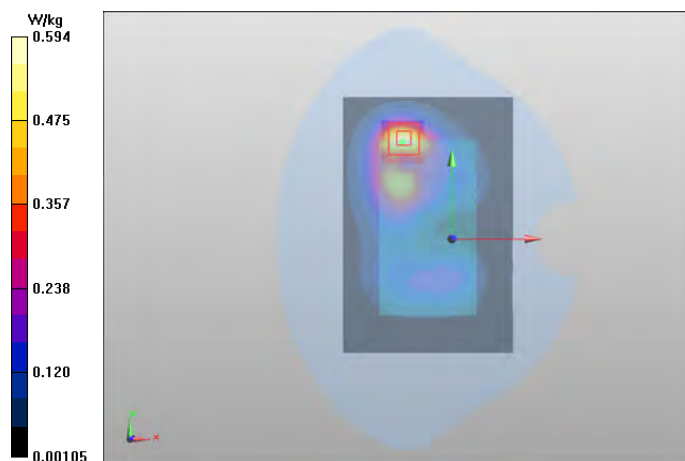
Peak SAR (extrapolated) = 0.929 mW/g

SAR(1 g) = 0.513 mW/g

SAR(10 g) = 0.268 mW/g

Power Drift = -0.03 dB

Maximum value of SAR (measured) = 0.554 W/kg



Date/Time: 2012-08-23 10:26:03

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976171/6

Communication System: LTE1900

Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: BSL1900; Medium Notes: $t = 21.1$ C

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.503$ mho/m; $\epsilon_r = 51.72$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3573
- ConvF(6.69, 6.69, 6.69); Calibrated: 2012-02-23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn538; Calibrated: 2012-08-03
- Phantom: SAM 2; Type: Twin SAM 040 CA; Serial: TP - 1177
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.6 (6824)

LTE/Body - Middle - Spacer 10mm - QPSK - 20MHz - 1RB - 100% offset - No Accessory - Back Facing Phantom - Cover CC-3401/Area Scan (81x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.719 W/kg

LTE/Body - Middle - Spacer 10mm - QPSK - 20MHz - 1RB - 100% offset - No Accessory - Back Facing Phantom - Cover CC-3401/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 7.226 V/m

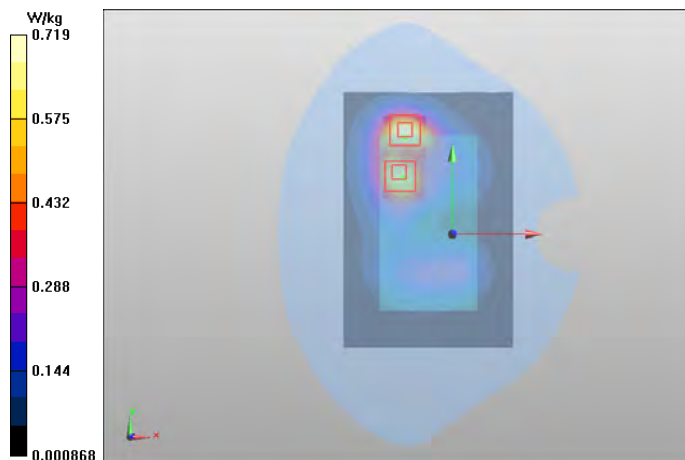
Peak SAR (extrapolated) = 1.165 mW/g

SAR(1 g) = 0.644 mW/g

SAR(10 g) = 0.341 mW/g

Power Drift = -0.10 dB

Maximum value of SAR (measured) = 0.704 W/kg



Date/Time: 2012-07-09 17:14:15

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976064/3

Communication System: WLAN2450 b-mode

Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: BSL 2450; Medium Notes: $t = 21.0$ C

Medium parameters used: $f = 2437$ MHz; $\sigma = 1.951$ mho/m; $\epsilon_r = 51.395$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3573
- ConvF(6.45, 6.45, 6.45); Calibrated: 2012-02-23;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn793; Calibrated: 2011-09-16
- Phantom: SAM 2; Type: Twin SAM 040 CA; Serial: TP - 1177
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.5 (6469)

WLAN/Body - Middle - Spacer 10mm - No Accessory - Back Facing Phantom/Area Scan (121x181x1):

Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (interpolated) = 0.147 mW/g

WLAN/Body - Middle - Spacer 10mm - No Accessory - Back Facing Phantom/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 5.799 V/m

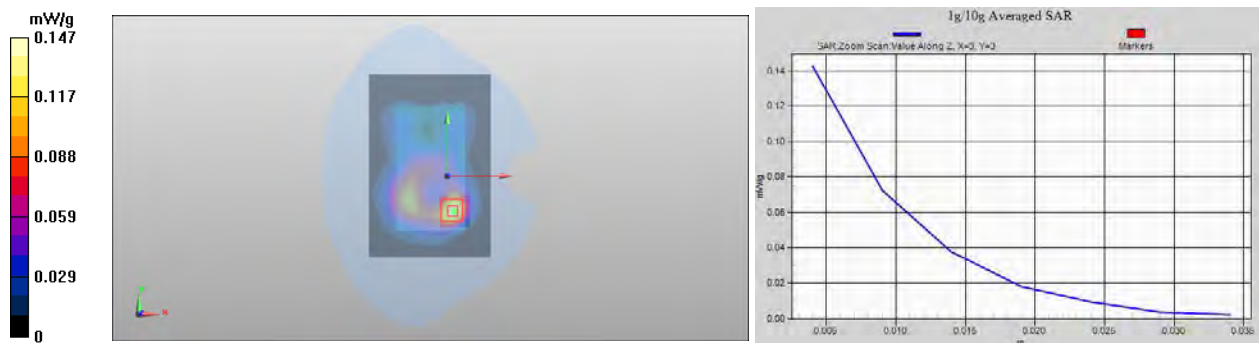
Peak SAR (extrapolated) = 0.251 mW/g

SAR(1 g) = 0.128 mW/g

SAR(10 g) = 0.065 mW/g

Power Drift = 0.02 dB

Maximum value of SAR (measured) = 0.143 mW/g



Date/Time: 2012-07-09 16:32:04

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976064/3

Communication System: WLAN2450 b-mode

Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: BSL 2450; Medium Notes: $t = 21.0$ C

Medium parameters used: $f = 2437$ MHz; $\sigma = 1.951$ mho/m; $\epsilon_r = 51.395$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3573
- ConvF(6.45, 6.45, 6.45); Calibrated: 2012-02-23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn793; Calibrated: 2011-09-16
- Phantom: SAM 2; Type: Twin SAM 040 CA; Serial: TP - 1177
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.5 (6469)

WLAN/Body - Middle - Spacer 10mm - No Accessory - Display Facing Phantom/Area Scan (121x181x1):

Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (interpolated) = 0.138 mW/g

WLAN/Body - Middle - Spacer 10mm - No Accessory - Display Facing Phantom/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 6.162 V/m

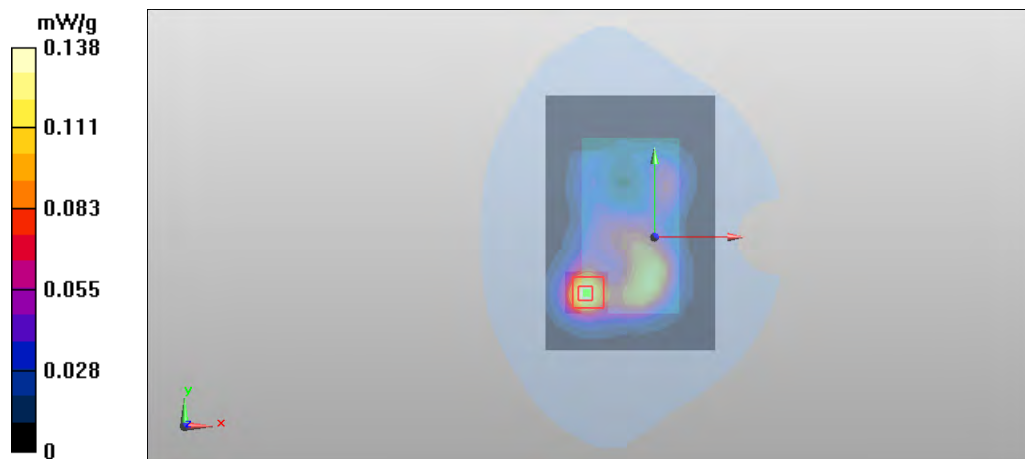
Peak SAR (extrapolated) = 0.232 mW/g

SAR(1 g) = 0.122 mW/g

SAR(10 g) = 0.063 mW/g

Power Drift = 0.18 dB

Maximum value of SAR (measured) = 0.135 mW/g



Date/Time: 2012-07-03 11:53:48

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976064/3

Communication System: WLAN2450 b-mode

Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: BSL2450; Medium Notes: $t = 21.0\text{ }^{\circ}\text{C}$

Medium parameters used: $f = 2437\text{ MHz}$; $\sigma = 1.94\text{ mho/m}$; $\epsilon_r = 50.394$; $\rho = 1000\text{ kg/m}^3$

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3573
- ConvF(6.45, 6.45, 6.45); Calibrated: 2012-02-23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn793; Calibrated: 2011-09-16
- Phantom: SAM 2; Type: Twin SAM 040 CA; Serial: TP - 1177
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.5 (6469)

WLAN/Body - Middle - Spacer 10mm - No Accessory - Top Edge Facing Phantom/Area Scan (61x121x1):

Measurement grid: $dx=10\text{ mm}$, $dy=10\text{ mm}$

Maximum value of SAR (interpolated) = 0.129 mW/g

WLAN/Body - Middle - Spacer 10mm - No Accessory - Top Edge Facing Phantom/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: $dx=5\text{ mm}$, $dy=5\text{ mm}$, $dz=5\text{ mm}$

Reference Value = 7.065 V/m

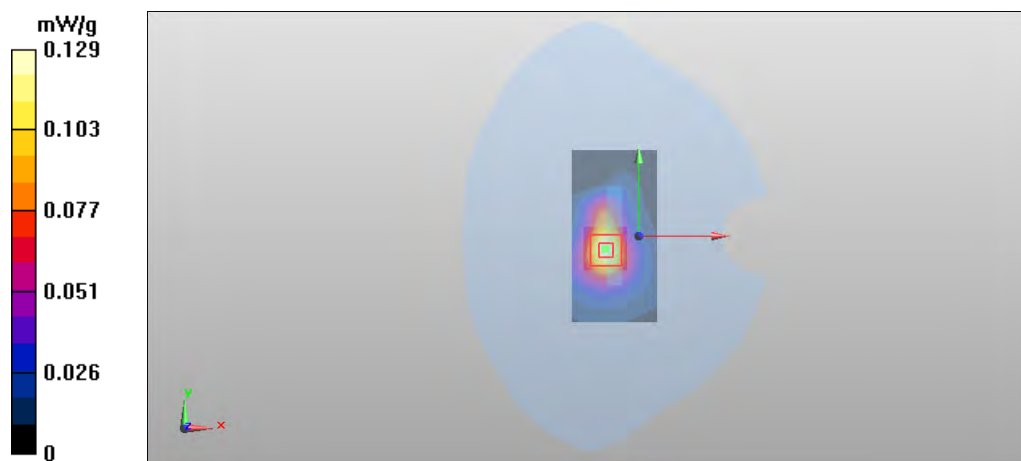
Peak SAR (extrapolated) = 0.205 mW/g

SAR(1 g) = 0.117 mW/g

SAR(10 g) = 0.064 mW/g

Power Drift = 0.05 dB

Maximum value of SAR (measured) = 0.129 mW/g



Date/Time: 2012-07-03 12:25:43

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976064/3

Communication System: WLAN2450 b-mode

Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: BSL2450; Medium Notes: $t = 21.0\text{ }^{\circ}\text{C}$

Medium parameters used: $f = 2437\text{ MHz}$; $\sigma = 1.94\text{ mho/m}$; $\epsilon_r = 50.394$; $\rho = 1000\text{ kg/m}^3$

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3573
- ConvF(6.45, 6.45, 6.45); Calibrated: 2012-02-23;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn793; Calibrated: 2011-09-16
- Phantom: SAM 2; Type: Twin SAM 040 CA; Serial: TP - 1177
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.5 (6469)

WLAN/Body - Middle - Spacer 10mm - No Accessory - Bottom Edge Facing Phantom/Area Scan (61x121x1):

Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 0.00829 mW/g

WLAN/Body - Middle - Spacer 10mm - No Accessory - Bottom Edge Facing Phantom/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 1.594 V/m

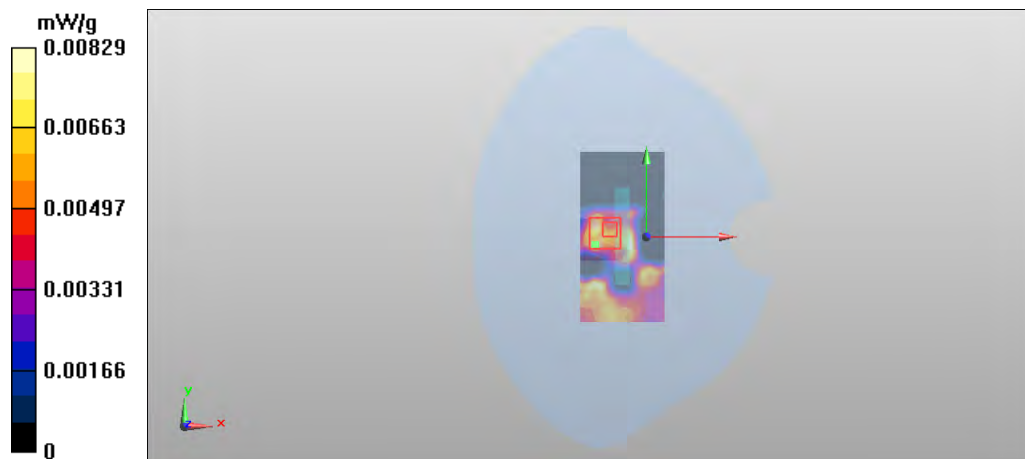
Peak SAR (extrapolated) = 0.014 mW/g

SAR(1 g) = 0.00482 mW/g

SAR(10 g) = 0.00228 mW/g

Power Drift = 0.61 dB

Maximum value of SAR (measured) = 0.00715 mW/g



Date/Time: 2012-07-03 13:40:18

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976064/3

Communication System: WLAN2450 b-mode

Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: BSL2450; Medium Notes: $t = 21.0$ C

Medium parameters used: $f = 2437$ MHz; $\sigma = 1.94$ mho/m; $\epsilon_r = 50.394$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3573
- ConvF(6.45, 6.45, 6.45); Calibrated: 2012-02-23;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn793; Calibrated: 2011-09-16
- Phantom: SAM 2; Type: Twin SAM 040 CA; Serial: TP - 1177
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.5 (6469)

WLAN/Body - Middle - Spacer 10mm - No Accessory - Left Edge Facing Phantom/Area Scan (61x181x1):

Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (interpolated) = 0.0450 mW/g

WLAN/Body - Middle - Spacer 10mm - No Accessory - Left Edge Facing Phantom/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 2.551 V/m

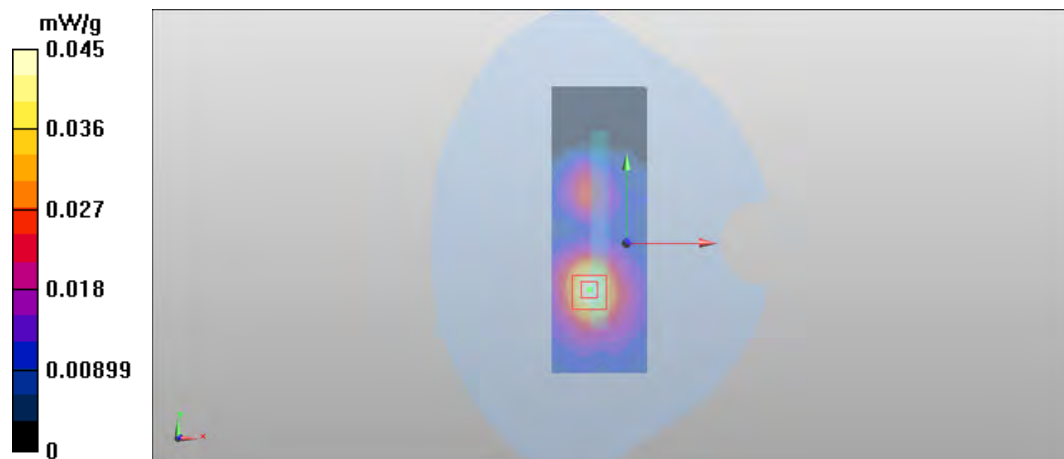
Peak SAR (extrapolated) = 0.066 mW/g

SAR(1 g) = 0.038 mW/g

SAR(10 g) = 0.021 mW/g

Power Drift = 0.47 dB

Maximum value of SAR (measured) = 0.0429 mW/g



Date/Time: 2012-07-03 13:11:48

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976064/3

Communication System: WLAN2450 b-mode

Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: BSL2450; Medium Notes: $t = 21.0\text{ }^{\circ}\text{C}$

Medium parameters used: $f = 2437\text{ MHz}$; $\sigma = 1.94\text{ mho/m}$; $\epsilon_r = 50.394$; $\rho = 1000\text{ kg/m}^3$

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3573
- ConvF(6.45, 6.45, 6.45); Calibrated: 2012-02-23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn793; Calibrated: 2011-09-16
- Phantom: SAM 2; Type: Twin SAM 040 CA; Serial: TP - 1177
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.5 (6469)

WLAN/Body - Middle - Spacer 10mm - No Accessory - Right Edge Facing Phantom/Area Scan (61x181x1):

Measurement grid: $dx=10\text{ mm}$, $dy=10\text{ mm}$

Maximum value of SAR (interpolated) = 0.108 mW/g

WLAN/Body - Middle - Spacer 10mm - No Accessory - Right Edge Facing Phantom/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: $dx=5\text{ mm}$, $dy=5\text{ mm}$, $dz=5\text{ mm}$

Reference Value = 1.820 V/m

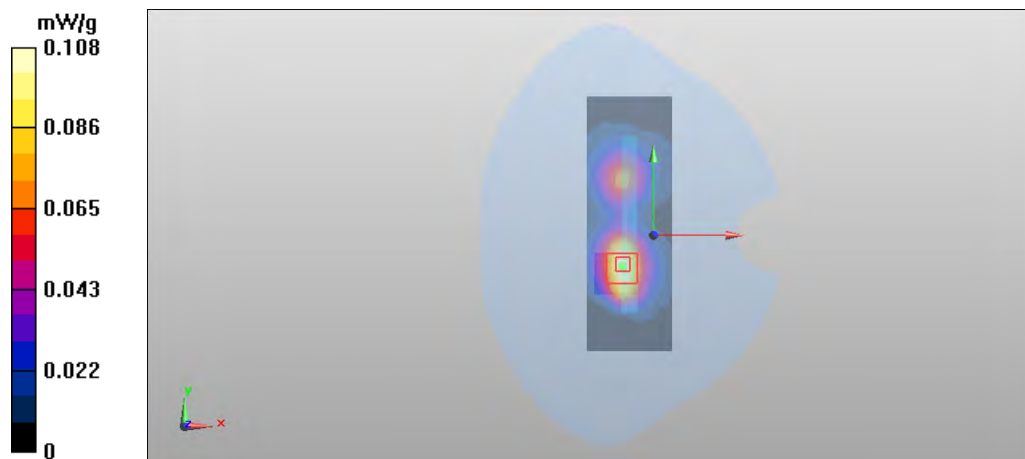
Peak SAR (extrapolated) = 0.173 mW/g

SAR(1 g) = 0.096 mW/g

SAR(10 g) = 0.052 mW/g

Power Drift = 0.50 dB

Maximum value of SAR (measured) = 0.106 mW/g



Date/Time: 2012-08-27 10:14:28

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976064/3

Communication System: WLAN2450 b-mode

Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: BSL2450; Medium Notes: $t = 21.1$ C

Medium parameters used: $f = 2437$ MHz; $\sigma = 1.972$ mho/m; $\epsilon_r = 53.643$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3573
- ConvF(6.45, 6.45, 6.45); Calibrated: 2012-02-23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn538; Calibrated: 2012-08-03
- Phantom: SAM 2; Type: Twin SAM 040 CA; Serial: TP - 1177
- Measurement SW: DASY4, Version 4.7 (80); SEMCAD X Version 14.6.6 (6824)

WLAN/Body - Middle - Spacer 10mm - No Accessory - Back Facing Phantom – Cover CC-3401/Area Scan

(121x181x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 0.0974 W/kg

WLAN/Body – Middle - Spacer 10mm - No Accessory - Back Facing Phantom – Cover CC-3401/Zoom Scan

(7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 6.858 V/m

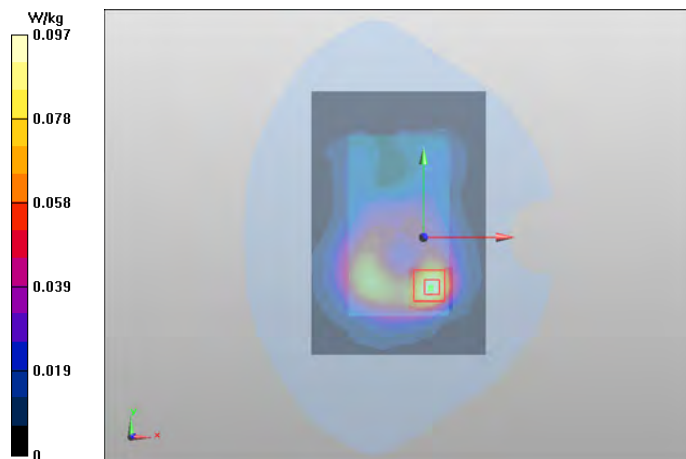
Peak SAR (extrapolated) = 0.169 mW/g

SAR(1 g) = 0.089 mW/g

SAR(10 g) = 0.047 mW/g

Power Drift = -0.03 dB

Maximum value of SAR (measured) = 0.0971 W/kg



Date/Time: 2012-07-10 12:49:17

DASY Configuration for LTE/Body - High - QPSK - 10MHz - 1 RB - 0% offset - Spacer 10mm - No Accessory - Back Facing Phantom/Area Scan:

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE700; Frequency: 711 MHz; Duty Cycle: 1:1

Medium: BSL750 Medium parameters used: $f = 711$ MHz; $\sigma = 0.979$ mho/m; $\epsilon_r = 54.764$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Probe: ES3DV3 - SN3165; ConvF(6.06, 6.06, 6.06); Calibrated: 2012-02-21;
Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))
Electronics: DAE4 Sn1309; Calibrated: 2012-01-11
Phantom: SAM #3 CRP; Type: SAM; Serial: -
Measurement SW: DASY52, Version 52.8 (0)

Date/Time: 2012-07-09 17:14:15

DASY Configuration for WLAN/Body - Middle - Spacer 10mm - No Accessory - Back Facing Phantom/Area Scan:

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976064/3

Communication System: WLAN2450 b-mode; Frequency: 2437 MHz; Duty Cycle: 1:1

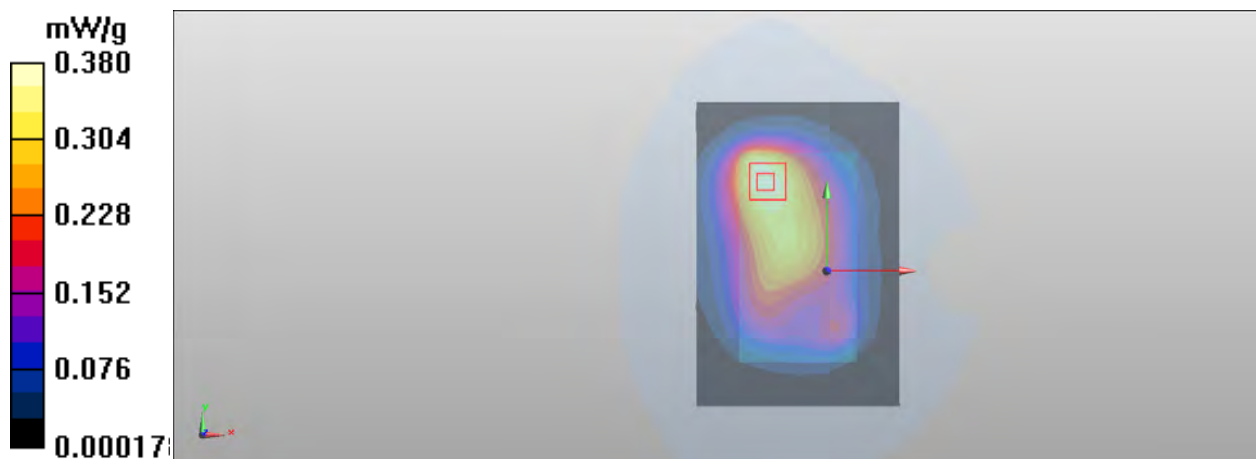
Medium: BSL 2450 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.951$ mho/m; $\epsilon_r = 51.395$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Probe: EX3DV4 - SN3573; ConvF(6.45, 6.45, 6.45); Calibrated: 2012-02-23;
Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))
Electronics: DAE4 Sn793; Calibrated: 2011-09-16
Phantom: SAM 2; Type: Twin SAM 040 CA; Serial: TP - 1177
Measurement SW: DASY4, Version 4.7 (80)

Fast SAR of Combined Scans: SAR(1 g) = 0.356 mW/g; SAR(10 g) = 0.247 mW/g

Maximum value of SAR (interpolated) = 0.380 mW/g



Date/Time: 2012-07-08 23:42:15

DASY Configuration for 2-slot GPRS/Body - High - Spacer 10mm - No accessory - Back Facing Phantom/Area Scan:

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976081/7

Communication System: 2-slot GPRS850; Frequency: 848.8 MHz; Duty Cycle: 1:4.19952

Medium: BSL850 Medium parameters used: $f = 849$ MHz; $\sigma = 1.015$ mho/m; $\epsilon_r = 53.719$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Probe: ES3DV3 - SN3131; ConvF(5.92, 5.92, 5.92); Calibrated: 2011-09-14;
Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))
Electronics: DAE4 Sn1316; Calibrated: 2012-02-15
Phantom: SAM 3; Type: Twin SAM 040 CA; Serial: TP-1179
Measurement SW: DASY52, Version 52.8 (0)

Date/Time: 2012-07-09 17:14:15

DASY Configuration for WLAN/Body - Middle - Spacer 10mm - No Accessory - Back Facing Phantom/Area Scan:

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976064/3

Communication System: WLAN2450 b-mode; Frequency: 2437 MHz; Duty Cycle: 1:1

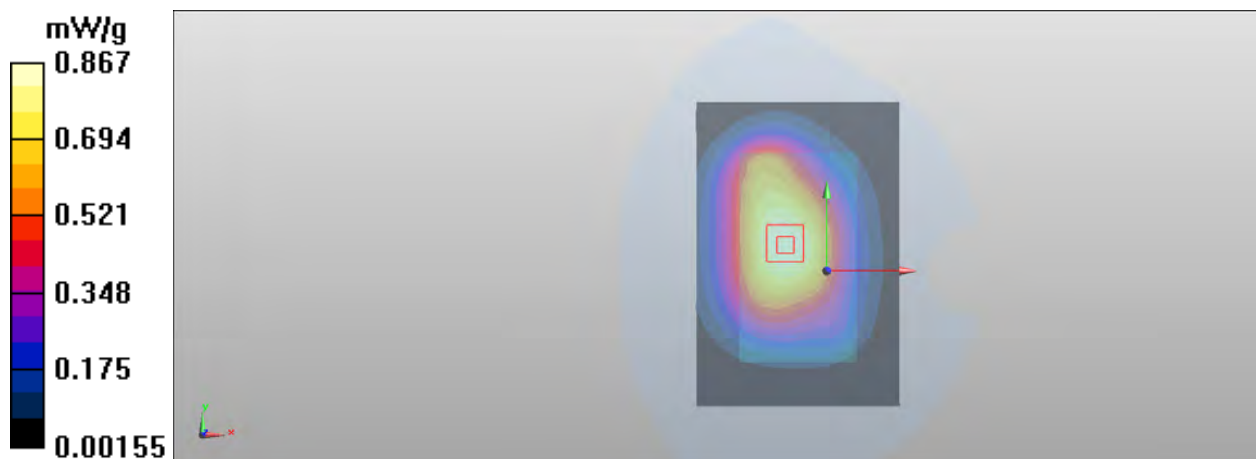
Medium: BSL 2450 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.951$ mho/m; $\epsilon_r = 51.395$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Probe: EX3DV4 - SN3573; ConvF(6.45, 6.45, 6.45); Calibrated: 2012-02-23;
Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))
Electronics: DAE4 Sn793; Calibrated: 2011-09-16
Phantom: SAM 2; Type: Twin SAM 040 CA; Serial: TP - 1177
Measurement SW: DASY4, Version 4.7 (80)

Fast SAR of Combined Scans: SAR(1 g) = 0.820 mW/g; SAR(10 g) = 0.577 mW/g

Maximum value of SAR (interpolated) = 0.867 mW/g



Date/Time: 2012-07-07 14:46:27

DASY Configuration for WCDMA/Body - High - Spacer 10mm - No accessory - Back Facing Phantom/Area Scan:

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976081/7

Communication System: WCDMA850; Frequency: 846.6 MHz; Duty Cycle: 1:1

Medium: BSL850 Medium parameters used: $f = 847$ MHz; $\sigma = 1.011$ mho/m; $\epsilon_r = 52.824$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Probe: ES3DV3 - SN3131; ConvF(5.92, 5.92, 5.92); Calibrated: 2011-09-14;

Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))

Electronics: DAE4 Sn1316; Calibrated: 2012-02-15

Phantom: SAM 3; Type: Twin SAM 040 CA; Serial: TP-1179

Measurement SW: DASY52, Version 52.8 (0)

Date/Time: 2012-07-09 17:14:15

DASY Configuration for WLAN/Body - Middle - Spacer 10mm - No Accessory - Back Facing Phantom/Area Scan:

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976064/3

Communication System: WLAN2450 b-mode; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: BSL 2450 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.951$ mho/m; $\epsilon_r = 51.395$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Probe: EX3DV4 - SN3573; ConvF(6.45, 6.45, 6.45); Calibrated: 2012-02-23;

Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))

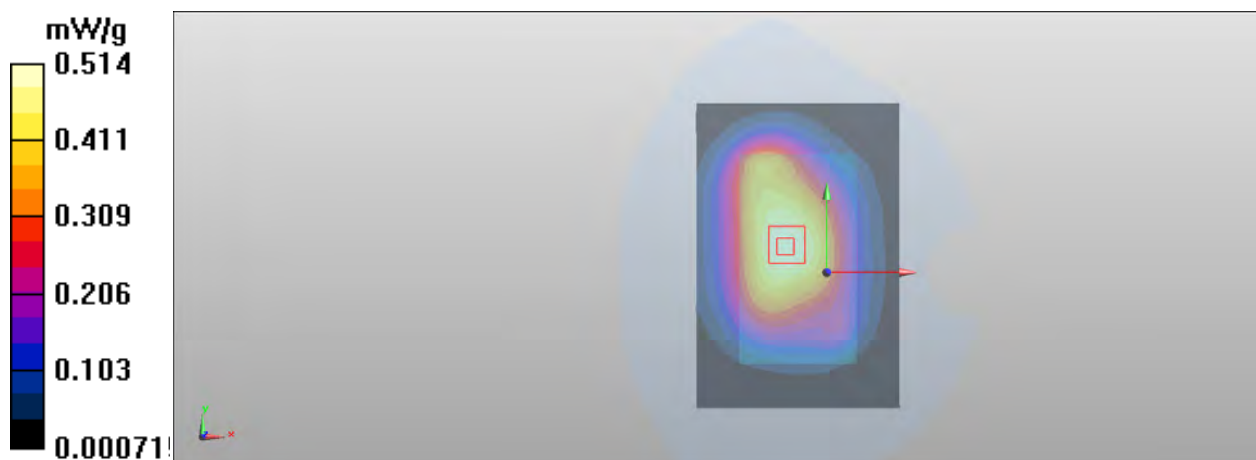
Electronics: DAE4 Sn793; Calibrated: 2011-09-16

Phantom: SAM 2; Type: Twin SAM 040 CA; Serial: TP - 1177

Measurement SW: DASY4, Version 4.7 (80)

Fast SAR of Combined Scans: SAR(1 g) = 0.485 mW/g; SAR(10 g) = 0.339 mW/g

Maximum value of SAR (interpolated) = 0.514 mW/g



Date/Time: 2012-07-09 17:14:15

DASY Configuration for WLAN/Body - Middle - Spacer 10mm - No Accessory - Back Facing Phantom/Area Scan:

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976064/3

Communication System: WLAN2450 b-mode; Frequency: 2437 MHz; Duty Cycle: 1:1; PMF: 1

Medium: BSL 2450 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.951$ mho/m; $\epsilon_r = 51.395$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Probe: EX3DV4 - SN3573; ConvF(6.45, 6.45, 6.45); Calibrated: 2012-02-23;
Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))
Electronics: DAE4 Sn793; Calibrated: 2011-09-16
Phantom: SAM 2; Type: Twin SAM 040 CA; Serial: TP - 1177
Measurement SW: DASY4, Version 4.7 (80)

Date/Time: 2012-08-17 22:27:43

DASY Configuration for LTE/Body - Middle - Spacer 10mm - QPSK - 10MHz - 1 RB - 0% offset - No Accessory - Back Facing Phantom/Area Scan:

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976156/7

Communication System: LTE850; Frequency: 836.5 MHz; Duty Cycle: 1:1; PMF: 1

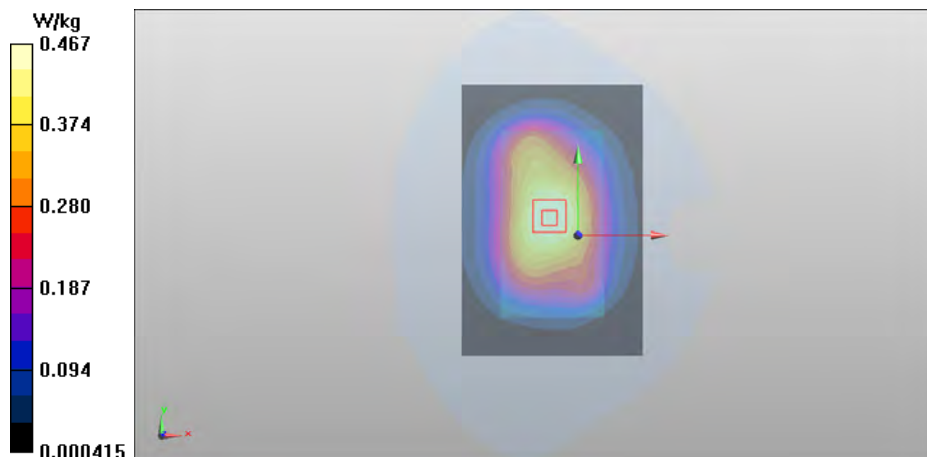
Medium: BSL850 Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.989$ mho/m; $\epsilon_r = 53.26$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Probe: EX3DV4 - SN3790; ConvF(8.54, 8.54, 8.54); Calibrated: 2012-04-27;
Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))
Electronics: DAE4 Sn1316; Calibrated: 2012-02-15
Phantom: SAM 3; Type: Twin SAM 040 CA; Serial: TP-1179
Measurement SW: DASY52, Version 52.8 (0)

Fast SAR of Combined Scans: SAR(1 g) = 0.441 mW/g; SAR(10 g) = 0.306 mW/g

Maximum value of SAR (interpolated) = 0.467 W/kg



Date/Time: 2012-07-09 17:14:15

DASY Configuration for WLAN/Body – Middle - Spacer 10mm - No Accessory - Back Facing Phantom/Area Scan:

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976064/3

Communication System: WLAN2450 b-mode; Frequency: 2437 MHz; Duty Cycle: 1:1; PMF: 1

Medium: BSL 2450 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.951$ mho/m; $\epsilon_r = 51.395$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Probe: EX3DV4 - SN3573; ConvF(6.45, 6.45, 6.45); Calibrated: 2012-02-23;

Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))

Electronics: DAE4 Sn793; Calibrated: 2011-09-16

Phantom: SAM 2; Type: Twin SAM 040 CA; Serial: TP - 1177

Measurement SW: DASY4, Version 4.7 (80)

Date/Time: 2012-08-22 09:55:58

DASY Configuration for WCDMA/Body - High - Spacer 10mm - No Accessory - Back Facing Phantom/Area Scan:

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976165/8

Communication System: WCDMA1700/2100; Frequency: 1752.6 MHz; Duty Cycle: 1:1; PMF: 1

Medium: BSL1800 Medium parameters used: $f = 1753$ MHz; $\sigma = 1.476$ mho/m; $\epsilon_r = 52.085$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Probe: ES3DV3 - SN3165; ConvF(4.84, 4.84, 4.84); Calibrated: 2012-02-21;

Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))

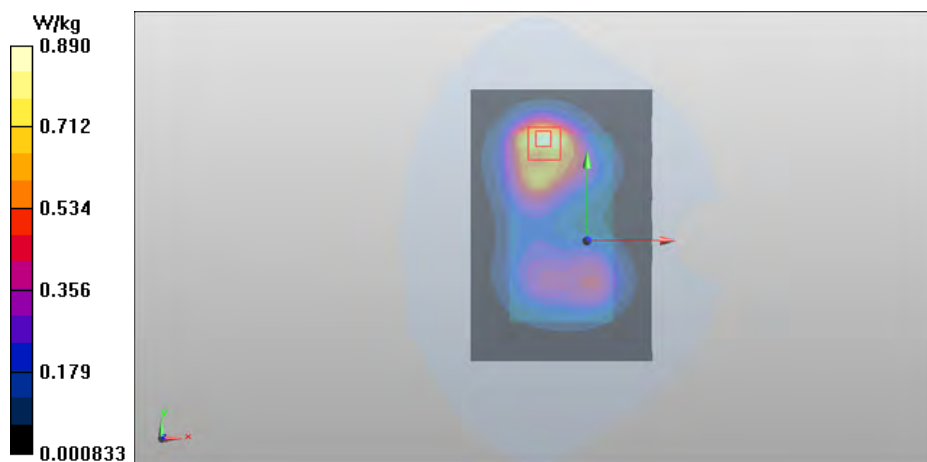
Electronics: DAE4 Sn1309; Calibrated: 2012-01-11

Phantom: SAM #2 CRP ; Type: QD000P40CD;

Measurement SW: DASY52, Version 52.8 (0)

Fast SAR of Combined Scans: SAR(1 g) = 0.779 mW/g; SAR(10 g) = 0.446 mW/g

Maximum value of SAR (interpolated) = 0.890 W/kg



Date/Time: 2012-07-08 06:43:47

DASY Configuration for LTE/Body - Middle - Spacer 10mm - QPSK - 20MHz - 1 RB - 0% offset - No Accessory -

Back Facing Phantom/Area Scan:

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976065/0

Communication System: LTE1700/2100; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: BSL1800 Medium parameters used (interpolated): $f = 1732.5$ MHz; $\sigma = 1.451$ mho/m; $\epsilon_r = 53.054$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Probe: ES3DV3 - SN3165; ConvF(4.84, 4.84, 4.84); Calibrated: 2012-02-21;
Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))
Electronics: DAE4 Sn1309; Calibrated: 2012-01-11
Phantom: SAM #2 CRP ; Type: QD000P40CD; Serial: -
Measurement SW: DASY52, Version 52.8 (0)

Date/Time: 2012-07-09 17:14:15

DASY Configuration for WLAN/Body - Middle - Spacer 10mm - No Accessory - Back Facing Phantom/Area Scan:

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976064/3

Communication System: WLAN2450 b-mode; Frequency: 2437 MHz; Duty Cycle: 1:1

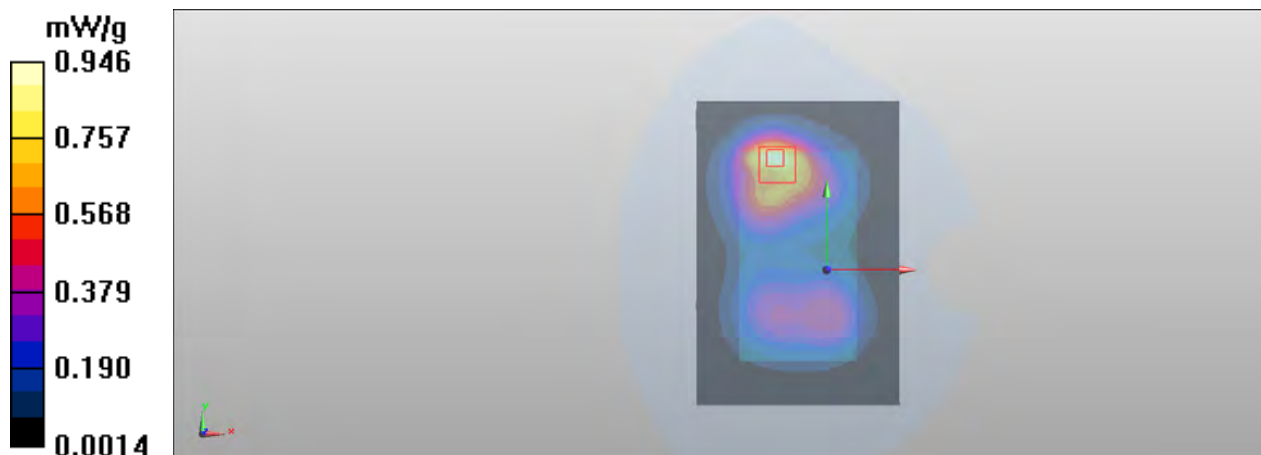
Medium: BSL 2450 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.951$ mho/m; $\epsilon_r = 51.395$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Probe: EX3DV4 - SN3573; ConvF(6.45, 6.45, 6.45); Calibrated: 2012-02-23;
Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))
Electronics: DAE4 Sn793; Calibrated: 2011-09-16
Phantom: SAM 2; Type: Twin SAM 040 CA; Serial: TP - 1177
Measurement SW: DASY4, Version 4.7 (80)

Fast SAR of Combined Scans: SAR(1 g) = 0.821 mW/g; SAR(10 g) = 0.471 mW/g

Maximum value of SAR (interpolated) = 0.946 mW/g



Date/Time: 2012-07-08 01:31:03

DASY Configuration for 2-slot GPRS/Body - High - Spacer 10mm - No Accessory - Bottom Edge Facing

Phantom/Area Scan:

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976059/3

Communication System: 2-slot GPRS1900; Frequency: 1909.8 MHz; Duty Cycle: 1:4.2

Medium: BSL1900 Medium parameters used: $f = 1910$ MHz; $\sigma = 1.55$ mho/m; $\epsilon_r = 52.276$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Probe: EX3DV4 - SN3573; ConvF(6.69, 6.69, 6.69); Calibrated: 2012-02-23;
Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))
Electronics: DAE4 Sn793; Calibrated: 2011-09-16
Phantom: SAM 2; Type: Twin SAM 040 CA; Serial: TP - 1177
Measurement SW: DASY4, Version 4.7 (80)

Date/Time: 2012-07-03 12:25:43

DASY Configuration for WLAN/Body - Middle - Spacer 10mm - No Accessory - Bottom Edge Facing

Phantom/Area Scan:

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976064/3

Communication System: WLAN2450 b-mode; Frequency: 2437 MHz; Duty Cycle: 1:1

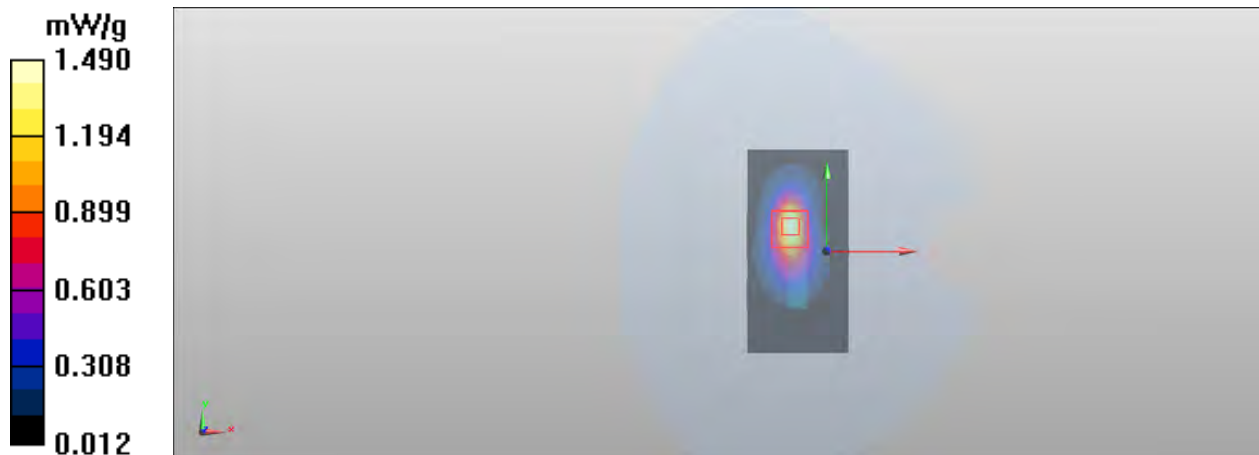
Medium: BSL2450 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.94$ mho/m; $\epsilon_r = 50.394$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Probe: EX3DV4 - SN3573; ConvF(6.45, 6.45, 6.45); Calibrated: 2012-02-23;
Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))
Electronics: DAE4 Sn793; Calibrated: 2011-09-16
Phantom: SAM 2; Type: Twin SAM 040 CA; Serial: TP - 1177
Measurement SW: DASY4, Version 4.7 (80)

Fast SAR of Combined Scans: SAR(1 g) = 1.26 mW/g; SAR(10 g) = 0.617 mW/g

Maximum value of SAR (interpolated) = 1.49 mW/g



Date/Time: 2012-07-08 03:52:07

DASY Configuration for WCDMA/Body - Middle - Spacer 10mm - No accessory - Display Facing Phantom/Area Scan:

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976059/3

Communication System: WCDMA1900; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: BSL1900 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.521$ mho/m; $\epsilon_r = 52.347$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Probe: EX3DV4 - SN3573; ConvF(6.69, 6.69, 6.69); Calibrated: 2012-02-23;

Sensor-Surface: 4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn793; Calibrated: 2011-09-16

Phantom: SAM 2; Type: Twin SAM 040 CA; Serial: TP - 1177

Measurement SW: DASY4, Version 4.7 (80)

Date/Time: 2012-07-09 16:32:04

DASY Configuration for WLAN/Body - Middle - Spacer 10mm - No Accessory - Display Facing Phantom -/Area Scan:

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976064/3

Communication System: WLAN2450 b-mode; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: BSL 2450 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.951$ mho/m; $\epsilon_r = 51.395$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Probe: EX3DV4 - SN3573; ConvF(6.45, 6.45, 6.45); Calibrated: 2012-02-23;

Sensor-Surface: 4mm (Mechanical Surface Detection)

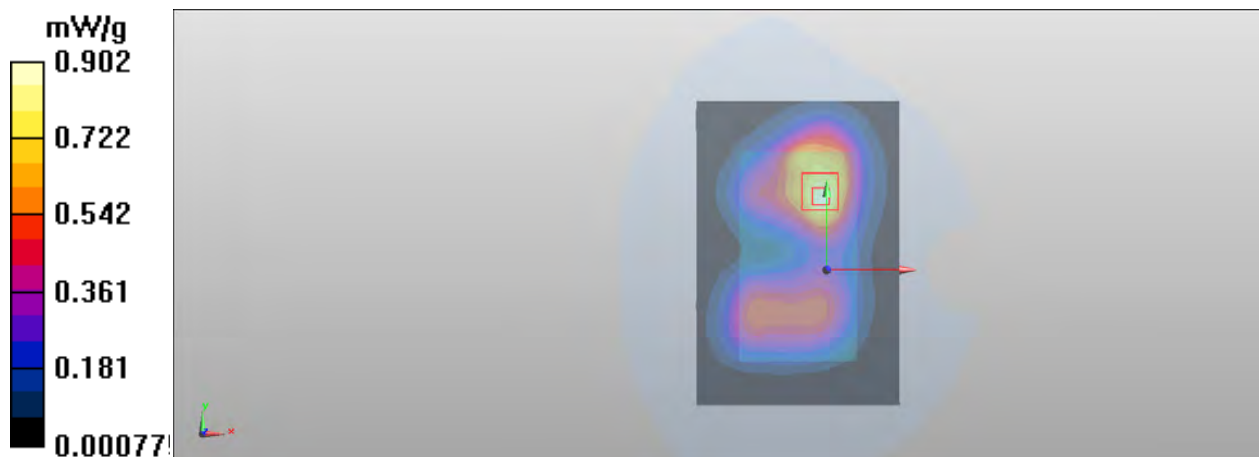
Electronics: DAE4 Sn793; Calibrated: 2011-09-16

Phantom: SAM 2; Type: Twin SAM 040 CA; Serial: TP - 1177

Measurement SW: DASY4, Version 4.7 (80)

Fast SAR of Combined Scans: SAR(1 g) = 0.809 mW/g; SAR(10 g) = 0.470 mW/g

Maximum value of SAR (interpolated) = 0.902 mW/g



Date/Time: 2012-07-09 17:14:15

DASY Configuration for WLAN/Body - Middle - Spacer 10mm - No Accessory - Back Facing Phantom/Area Scan:

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976064/3

Communication System: WLAN2450 b-mode; Frequency: 2437 MHz; Duty Cycle: 1:1; PMF: 1

Medium: BSL 2450 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.951$ mho/m; $\epsilon_r = 51.395$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Probe: EX3DV4 - SN3573; ConvF(6.45, 6.45, 6.45); Calibrated: 2012-02-23;
Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))
Electronics: DAE4 Sn793; Calibrated: 2011-09-16
Phantom: SAM 2; Type: Twin SAM 040 CA; Serial: TP - 1177
Measurement SW: DASY4, Version 4.7 (80)

Date/Time: 2012-08-18 04:13:26

DASY Configuration for LTE/Body - Middle - QPSK - 20MHz - 1RB - 100% offset - Spacer 10mm - No Accessory - Back Facing Phantom/Area Scan:

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976171/6

Communication System: LTE1900; Frequency: 1880 MHz; Duty Cycle: 1:1; PMF: 1

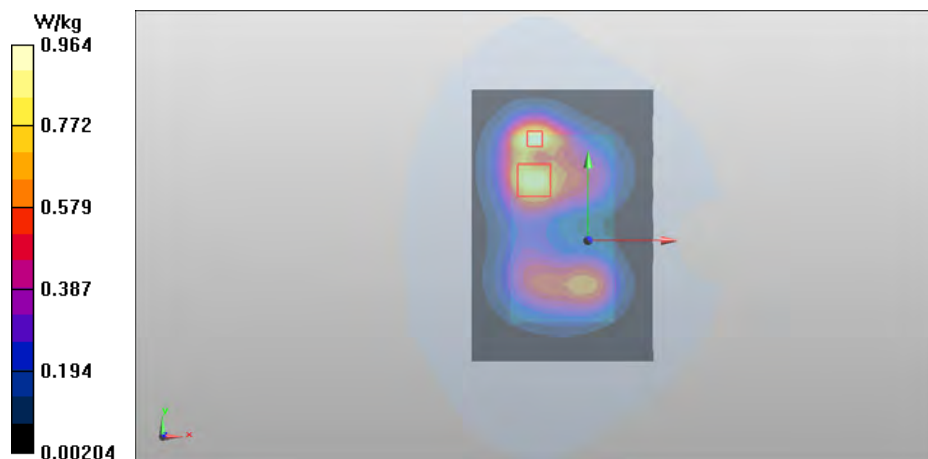
Medium: BSL1900 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.501$ mho/m; $\epsilon_r = 51.921$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Probe: EX3DV4 - SN3573; ConvF(6.69, 6.69, 6.69); Calibrated: 2012-02-23;
Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))
Electronics: DAE4 Sn538; Calibrated: 2012-08-03
Phantom: SAM 2; Type: Twin SAM 040 CA; Serial: TP - 1177
Measurement SW: DASY4, Version 4.7 (80)

Fast SAR of Combined Scans: SAR(1 g) = 0.833 mW/g; SAR(10 g) = 0.472 mW/g

Maximum value of SAR (interpolated) = 0.964 W/kg



APPENDIX D: CONDUCTED AVERAGE POWER MEASUREMENTS FOR WCDMA AND HSUPA

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976197/1, HW: 2210, SW: 1225.0001.8422.9704.176

D.1. WCDMA850 Test results

Average power

Ch / f (MHz)	P [dBm]
4133	22.73
4175	22.51
4232	22.98

D.2. HSUPA850 Test results

Average power

Ch / f (MHz)	P [dBm]				
	Subtest mode 1	Subtest mode 2	Subtest mode 3	Subtest mode 4	Subtest mode 5
4133	20.96	18.84	20.25	21.20	21.67
4175	21.28	18.46	19.55	20.96	21.45
4232	21.42	19.21	20.83	21.17	22.16

Note: In HSUPA operation, the output power is reduced relative to the tuning target power for WCDMA. This device runs a single HSUPA power control routine: MPR. As a result, the MPR for each of the Subtest modes is as follows:

Maximum Power Reduction (MPR)				
Subtest mode 1	Subtest mode 2	Subtest mode 3	Subtest mode 4	Subtest mode 5
0.0dB	2.0dB	1.0dB	2.0dB	0.0dB

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976197/1, HW: 2210, SW: 1230.0015.8441.9735.255

D.3. WCDMA1700/2100 Test results

Average power

Ch / f (MHz)	P [dBm]
1313	21.96
1450	22.11
1512	22.17

D.4. HSUPA1700/2100 Test results

Average power

Ch / f (MHz)	P [dBm]				
	Subtest mode 1	Subtest mode 2	Subtest mode 3	Subtest mode 4	Subtest mode 5
1313	20.45	18.10	19.58	20.06	20.93
1450	20.88	18.19	20.06	20.65	21.10
1512	21.33	18.29	19.69	20.19	21.27

Note: In HSUPA operation, the output power is reduced relative to the tuning target power for WCDMA. This device runs a single HSUPA power control routine: MPR. As a result, the MPR for each of the Subtest modes is as follows:

Maximum Power Reduction (MPR)				
Subtest mode 1	Subtest mode 2	Subtest mode 3	Subtest mode 4	Subtest mode 5
0.0dB	2.0dB	1.0dB	2.0dB	0.0dB

Test Laboratory: TCC Nokia

Type: RM-824; Serial: 004402/13/976197/1, HW: 2210, SW: 1225.0001.8422.9704.176

D.5. WCDMA1900 Test results

Average power

Ch / f (MHz)	P [dBm]
9263	22.03
9400	22.24
9537	22.51

D.6. HSUPA1900 Test results

Average power

Ch / f (MHz)	P [dBm]				
	Subtest mode 1	Subtest mode 2	Subtest mode 3	Subtest mode 4	Subtest mode 5
9263	20.44	18.03	19.62	20.06	21.16
9400	20.81	18.58	20.52	20.36	21.37
9537	21.58	18.56	20.57	20.53	21.62

Note: In HSUPA operation, the output power is reduced relative to the tuning target power for WCDMA. This device runs a single HSUPA power control routine: MPR. As a result, the MPR for each of the Subtest modes is as follows:

Maximum Power Reduction (MPR)				
Subtest mode 1	Subtest mode 2	Subtest mode 3	Subtest mode 4	Subtest mode 5
0.0dB	2.0dB	1.0dB	2.0dB	0.0dB

APPENDIX C: DIELECTRIC PARAMETERS OF THE TISSUE SIMULANTS

Head tissue simulant dielectric parameters used in the measurements 709 – 2462 MHz:

f (MHz)	Date	Dielectric Parameters					
		Ch 23780 709.0 MHz		Ch 23790 710.0 MHz		Ch 23800 711.0 MHz	
		ϵ_r	σ [S/m]	ϵ_r	σ [S/m]	ϵ_r	σ [S/m]
710	2012-07-09	40.8	0.90	40.8	0.90	40.8	0.90
	2012-08-22	40.7	0.89	40.6	0.89	40.6	0.89
F (MHz)	Date	Dielectric Parameters					
		Ch 4132 826.4 MHz		Ch 4175 835.0 MHz		Ch 4233 846.6 MHz	
		ϵ_r	σ [S/m]	ϵ_r	σ [S/m]	ϵ_r	σ [S/m]
835	2012-07-06	40.5	0.91	40.5	0.92	40.4	0.92
F (MHz)	Date	Dielectric Parameters					
		Ch 20450 829.0 MHz		Ch 20525 836.5 MHz		Ch 20600 844.0 MHz	
		ϵ_r	σ [S/m]	ϵ_r	σ [S/m]	ϵ_r	σ [S/m]
836	2012-08-15	39.9	0.89	39.8	0.89	39.8	0.90
	2012-08-16	40.6	0.91	40.6	0.92	40.5	0.92
f (MHz)	Date	Dielectric Parameters					
		Ch 128 824.2 MHz		Ch 190 836.6 MHz		Ch 251 848.8 MHz	
		ϵ_r	σ [S/m]	ϵ_r	σ [S/m]	ϵ_r	σ [S/m]
836	2012-07-06	40.6	0.91	40.5	0.92	40.4	0.92
	2012-08-15	39.9	0.88	39.8	0.89	39.7	0.90
F (MHz)	Date	Dielectric Parameters					
		Ch 1312 1712.4 MHz		Ch 1412 1732.4 MHz		Ch 1513 1752.6 MHz	
		ϵ_r	σ [S/m]	ϵ_r	σ [S/m]	ϵ_r	σ [S/m]
1732	2012-08-20	38.5	1.31	38.4	1.34	38.3	1.36
F (MHz)	Date	Dielectric Parameters					
		Ch 20050 1720.0 MHz		Ch 20175 1732.5 MHz		Ch 20300 1745.0 MHz	
		ϵ_r	σ [S/m]	ϵ_r	σ [S/m]	ϵ_r	σ [S/m]
1732	2012-07-06	39.3	1.29	39.3	1.31	39.2	1.32
	2012-07-07	39.1	1.32	39.0	1.33	39.0	1.34
	2012-08-20	38.5	1.32	38.4	1.34	38.4	1.35

(Table continues)

(Table continues)

f (MHz)	Date	Dielectric Parameters					
		Ch 512 1850.2 MHz		Ch 661 1880.0 MHz		Ch 810 1909.8 MHz	
		ϵ_r	σ [S/m]	ϵ_r	σ [S/m]	ϵ_r	σ [S/m]
1880	2012-07-06	39.0	1.35	38.9	1.38	38.7	1.41
	2012-08-16	38.9	1.33	38.7	1.36	38.6	1.39
f (MHz)	Date	Dielectric Parameters					
		Ch 9262 1852.4 MHz		Ch 9400 1880.0 MHz		Ch 9538 1907.6 MHz	
		ϵ_r	σ [S/m]	ϵ_r	σ [S/m]	ϵ_r	σ [S/m]
1880	2012-07-06	38.9	1.35	38.9	1.38	38.7	1.40
f (MHz)	Date	Dielectric Parameters					
		Ch 18700 1860.0 MHz		Ch 18900 1880.0 MHz		Ch 19100 1900.0 MHz	
		ϵ_r	σ [S/m]	ϵ_r	σ [S/m]	ϵ_r	σ [S/m]
1880	2012-08-16	38.8	1.34	38.7	1.36	38.6	1.38
	2012-08-17	38.6	1.37	38.5	1.38	38.5	1.40
f (MHz)	Date	Dielectric Parameters					
		Ch 1 2412.0 MHz		Ch 6 2437.0 MHz		Ch 11 2462.0 MHz	
		ϵ_r	σ [S/m]	ϵ_r	σ [S/m]	ϵ_r	σ [S/m]
2437	2012-07-02	38.0	1.73	37.9	1.76	37.8	1.78
	2012-08-15	37.7	1.75	37.6	1.77	37.5	1.80

Head tissue simulant dielectric parameters used in the measurements 5180 – 5825 MHz:

f (MHz)	Date	Dielectric Parameters							
		Ch 36 5180.0 MHz		5210.0 MHz		Ch 44 5220.0 MHz		-	
		ϵ_r	σ [S/m]	ϵ_r	σ [S/m]	ϵ_r	σ [S/m]	ϵ_r	σ [S/m]
5210	2012-07-03	35.2	4.45	35.2	4.48	35.1	4.49	-	-
	2012-08-15	34.5	4.48	34.5	4.51	34.5	4.54	-	-
f (MHz)	Date	Dielectric Parameters							
		Ch 52 5260.0 MHz		5290.0 MHz		Ch 64 5320.0 MHz		-	
		ϵ_r	σ [S/m]	ϵ_r	σ [S/m]	ϵ_r	σ [S/m]	ϵ_r	σ [S/m]
5290	2012-07-03	35.1	4.53	35.0	4.56	35.0	4.59	-	-
	2012-08-15	34.4	4.56	34.4	4.59	34.3	4.61	-	-
f (MHz)	Date	Dielectric Parameters							
		Ch 108 5540.0 MHz		Ch 112 5560.0 MHz		Ch 120 5600.0 MHz		Ch 136 5680.0 MHz	
		ϵ_r	σ [S/m]	ϵ_r	σ [S/m]	ϵ_r	σ [S/m]	ϵ_r	σ [S/m]
5600	2012-07-03	34.7	4.79	34.7	4.82	34.6	4.86	34.5	4.94
	2012-08-21	35.5	4.83	35.5	4.89	35.4	4.94	35.3	5.00
f (MHz)	Date	Dielectric Parameters							
		Ch 153 5765.0 MHz		Ch 157 5785.0 MHz		Ch 165 5825.0 MHz		-	
		ϵ_r	σ [S/m]	ϵ_r	σ [S/m]	ϵ_r	σ [S/m]	ϵ_r	σ [S/m]
5785	2012-07-03	34.4	5.00	34.4	5.05	-	-	-	-
	2012-07-04	34.4	5.15	34.4	5.17	34.3	5.21	-	-
	2012-08-17	35.9	5.33	35.8	5.34	-	-	-	-

Body tissue simulant dielectric parameters used in the measurements 709 – 2462 MHz:

f (MHz)	Date	Dielectric Parameters					
		Ch 23780 709.0 MHz		Ch 23790 710.0 MHz		Ch 23800 711.0 MHz	
		ϵ_r	σ [S/m]	ϵ_r	σ [S/m]	ϵ_r	σ [S/m]
710	2012-07-09	54.8	0.98	54.8	0.98	54.8	0.98
	2012-08-22	54.1	0.98	54.1	0.98	54.1	0.98
F (MHz)	Date	Dielectric Parameters					
		Ch 4132 826.4 MHz		Ch 4175 835.0 MHz		Ch 4233 846.6 MHz	
		ϵ_r	σ [S/m]	ϵ_r	σ [S/m]	ϵ_r	σ [S/m]
835	2012-07-06	53.0	1.00	52.9	1.00	52.8	1.01
F (MHz)	Date	Dielectric Parameters					
		Ch 20450 829.0 MHz		Ch 20525 836.5 MHz		Ch 20600 844.0 MHz	
		ϵ_r	σ [S/m]	ϵ_r	σ [S/m]	ϵ_r	σ [S/m]
835	2012-08-17	53.3	0.98	53.3	0.99	53.2	0.99
f (MHz)	Date	Dielectric Parameters					
		Ch 128 824.2 MHz		Ch 190 836.6 MHz		Ch 251 848.8 MHz	
		ϵ_r	σ [S/m]	ϵ_r	σ [S/m]	ϵ_r	σ [S/m]
836	2012-07-06	53.0	1.00	52.9	1.00	52.8	1.01
	2012-07-08	53.9	1.00	53.8	1.01	53.7	1.01
	2012-08-21	53.0	0.99	52.9	0.99	52.9	1.00
F (MHz)	Date	Dielectric Parameters					
		Ch 1312 1712.4 MHz		Ch 1412 1732.4 MHz		Ch 1513 1752.6 MHz	
		ϵ_r	σ [S/m]	ϵ_r	σ [S/m]	ϵ_r	σ [S/m]
1732	2012-08-21	52.2	1.43	52.2	1.45	52.1	1.47
F (MHz)	Date	Dielectric Parameters					
		Ch 20050 1720.0 MHz		Ch 20175 1732.5 MHz		Ch 20300 1745.0 MHz	
		ϵ_r	σ [S/m]	ϵ_r	σ [S/m]	ϵ_r	σ [S/m]
1732	2012-07-07	53.1	1.44	53.1	1.45	53.0	1.46
	2012-07-08	52.9	1.44	52.9	1.45	52.8	1.46
	2012-08-16	52.6	1.43	52.5	1.44	52.5	1.45

(Table continues)

(Table continues)

f (MHz)	Date	Dielectric Parameters					
		Ch 512 1850.2 MHz		Ch 661 1880.0 MHz		Ch 810 1909.8 MHz	
		ϵ_r	σ [S/m]	ϵ_r	σ [S/m]	ϵ_r	σ [S/m]
1880	2012-07-07	52.4	1.48	52.3	1.52	52.3	1.55
	2012-08-22	51.8	1.48	51.7	1.50	51.7	1.52
f (MHz)	Date	Dielectric Parameters					
		Ch 9262 1852.4 MHz		Ch 9400 1880.0 MHz		Ch 9538 1907.6 MHz	
		ϵ_r	σ [S/m]	ϵ_r	σ [S/m]	ϵ_r	σ [S/m]
1880	2012-07-07	52.4	1.49	52.3	1.52	52.3	1.55
f (MHz)	Date	Dielectric Parameters					
		Ch 18700 1860.0 MHz		Ch 18900 1880.0 MHz		Ch 19100 1900.0 MHz	
		ϵ_r	σ [S/m]	ϵ_r	σ [S/m]	ϵ_r	σ [S/m]
1880	2012-08-17	52.0	1.48	51.9	1.50	51.9	1.51
	2012-08-22	51.8	1.48	51.7	1.50	51.7	1.52
f (MHz)	Date	Dielectric Parameters					
		Ch 1 2412.0 MHz		Ch 6 2437.0 MHz		Ch 11 2462.0 MHz	
		ϵ_r	σ [S/m]	ϵ_r	σ [S/m]	ϵ_r	σ [S/m]
2437	2012-07-03	50.4	1.91	50.4	1.94	50.3	1.97
	2012-07-09	51.5	1.92	51.4	1.95	51.3	1.98
	2012-08-27	53.7	1.94	53.6	1.97	53.5	2.00

Body tissue simulant dielectric parameters used in the measurements 5180 – 5825 MHz:

f (MHz)	Date	Dielectric Parameters							
		Ch 36 5180.0 MHz		5210.0 MHz		Ch 44 5220.0 MHz		-	
		ϵ_r	σ [S/m]	ϵ_r	σ [S/m]	ϵ_r	σ [S/m]	ϵ_r	σ [S/m]
5210	2012-07-04	48.6	5.42	48.5	5.46	48.5	5.48	-	-
	2012-08-21	48.7	5.38	48.6	5.42	48.6	5.46	-	-
f (MHz)	Date	Dielectric Parameters							
		Ch 52 5260.0 MHz		5290.0 MHz		Ch 64 5320.0 MHz		-	
		ϵ_r	σ [S/m]	ϵ_r	σ [S/m]	ϵ_r	σ [S/m]	ϵ_r	σ [S/m]
5290	2012-07-04	48.4	5.53	48.4	5.57	48.3	5.61	-	-
	2012-08-21	48.5	5.49	48.5	5.54	48.5	5.58	-	-
f (MHz)	Date	Dielectric Parameters							
		Ch 108 5540.0 MHz		Ch 112 5560.0 MHz		Ch 120 5600.0 MHz		Ch 136 5680.0 MHz	
		ϵ_r	σ [S/m]	ϵ_r	σ [S/m]	ϵ_r	σ [S/m]	ϵ_r	σ [S/m]
5600	2012-07-04	47.6	5.88	47.6	5.91	47.5	5.95	47.4	6.07
	2012-08-23	47.7	5.86	47.6	5.94	47.5	6.00	47.4	6.08
f (MHz)	Date	Dielectric Parameters							
		Ch 153 5765.0 MHz		Ch 157 5785.0 MHz		Ch 165 5825.0 MHz		-	
		ϵ_r	σ [S/m]	ϵ_r	σ [S/m]	ϵ_r	σ [S/m]	ϵ_r	σ [S/m]
5785	2012-07-04	47.2	6.20	47.2	6.23	47.1	6.26	-	-
	2012-08-15	47.6	6.23	47.9	6.23	47.8	6.19	-	-