

APPENDIX B: MEASUREMENT SCANS

Plot1:

Date/Time: 2014-09-01 11:34:20 AM

Test Laboratory: TCC Microsoft

Type: RM-1078; Serial: 004402/47/868666/4

Communication System: CDMA800 (BC0)

Frequency: 824.7 MHz; Duty Cycle: 1:1

Medium: Head 835 SAR3; Medium Notes: Medium Temperature: t=21.1

Medium parameters used: f = 825 MHz; $\sigma = 0.874$ S/m; $\epsilon_r = 40.9$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3838
- ConvF(9.2, 9.2, 9.2); Calibrated: 2014-03-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn710; Calibrated: 2014-03-24
- Phantom: SAR3 - SAM3; Type: Not Specified; Serial: Not Specified
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.8 (7028)

CDMA800(BC0) - Left/Cheek – Low – RC3/S055 - Antenna 2/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 7.348 V/m

Fast SAR: SAR(1 g) = 0.564 W/kg

Fast SAR(10 g) = 0.396 W/kg

Maximum value of SAR (interpolated) = 0.599 W/kg

CDMA800(BC0) - Left/Cheek – Low - RC3/S055 – Antenna 2/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 7.348 V/m

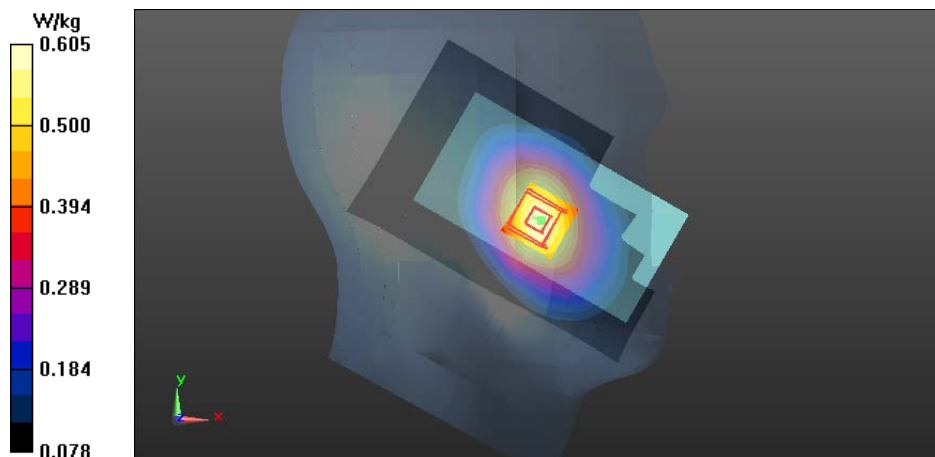
Peak SAR (extrapolated) = 0.706 W/kg

SAR(1 g) = 0.577 W/kg

SAR(10 g) = 0.441 W/kg

Power Drift = 0.11 dB

Maximum value of SAR (measured) = 0.605 W/kg



Plot2:

Date/Time: 2014-09-01 3:34:13 PM

Test Laboratory: TCC Microsoft

Type: RM-1078; Serial: 004402/47/868666/4

Communication System: CDMA800(BC10)

Frequency: 817.9 MHz; Duty Cycle: 1:1

Medium: Head 835 SAR3; Medium Notes: Medium Temperature: t=21.1

Medium parameters used: f = 818 MHz; $\sigma = 0.869$ S/m; $\epsilon_r = 40.968$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3838
- ConvF(9.2, 9.2, 9.2); Calibrated: 2014-03-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn710; Calibrated: 2014-03-24
- Phantom: SAR3 - SAM3; Type: Not Specified; Serial: Not Specified
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.8 (7028)

CDMA800(BC10) - Left/Cheek – Low - RC3/S055 – Antenna 2/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 7.058 V/m

Fast SAR: SAR(1 g) = 0.505 W/kg

Fast SAR(10 g) = 0.353 W/kg

Maximum value of SAR (interpolated) = 0.538 W/kg

CDMA800(BC10) - Left/Cheek – Low - RC3/S055 – Antenna 2/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 7.058 V/m

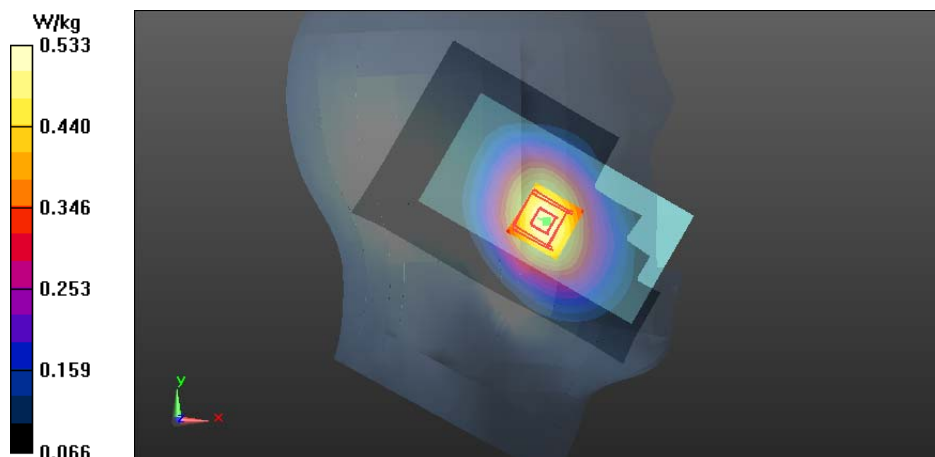
Peak SAR (extrapolated) = 0.616 W/kg

SAR(1 g) = 0.505 W/kg

SAR(10 g) = 0.384 W/kg

Power Drift = 0.06 dB

Maximum value of SAR (measured) = 0.533 W/kg



Plot3:

Date/Time: 2014-08-27 9:54:20 PM

Test Laboratory: TCC Microsoft

Type: RM-1078; Serial: 004402/47/868599/7

Communication System: 2-slot GPRS850

Frequency: 824.2 MHz; Duty Cycle: 1:4.19952

Medium: Head 835 SAR3; Medium Notes: Medium Temperature: t=21.2

Medium parameters used (interpolated): f = 824.2 MHz; $\sigma = 0.889$ S/m; $\epsilon_r = 41.475$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3838
- ConvF(9.2, 9.2, 9.2); Calibrated: 2014-03-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn710; Calibrated: 2014-03-24
- Phantom: SAR3 - SAM3; Type: Not Specified; Serial: Not Specified
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.8 (7028)

2-slot GPRS850 - Left/Cheek – Low – Antenna 2/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 7.378 V/m

Fast SAR: SAR(1 g) = 0.585 W/kg

Fast SAR(10 g) = 0.410 W/kg

Maximum value of SAR (interpolated) = 0.621 W/kg

2-slot GPRS850 - Left/Cheek – Low – Antenna 2/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 7.378 V/m

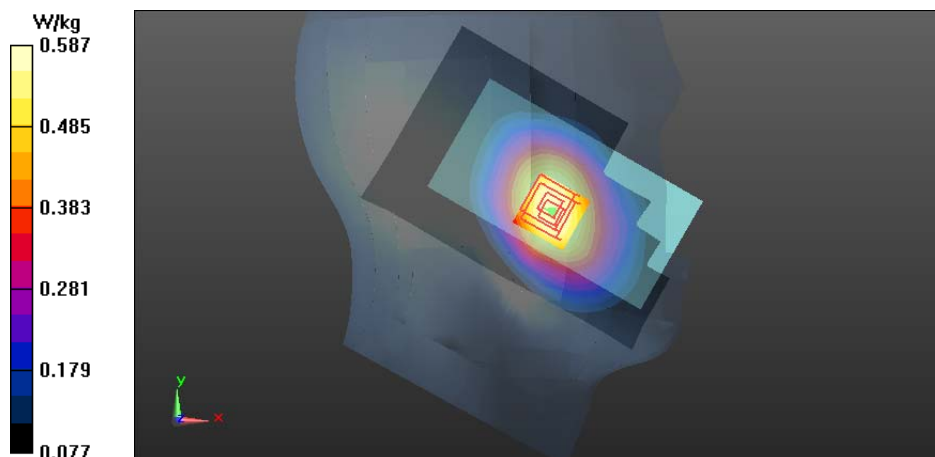
Peak SAR (extrapolated) = 0.693 W/kg

SAR(1 g) = 0.562 W/kg

SAR(10 g) = 0.430 W/kg

Power Drift = -0.04 dB

Maximum value of SAR (measured) = 0.587 W/kg



Plot4:

Date/Time: 2014-08-25 5:05:45 PM

Test Laboratory: TCC Microsoft

Type: RM-1078; Serial: 004402/47/868611/0

Communication System: WCDMA850 (Band 5)

Frequency: 826.4 MHz; Duty Cycle: 1:1

Medium: Head 835 SAR3; Medium Notes: Medium Temperature: $t=21.2$

Medium parameters used (interpolated): $f = 826.4$ MHz; $\sigma = 0.872$ S/m; $\epsilon_r = 41.227$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3838
- ConvF(9.2, 9.2, 9.2); Calibrated: 2014-03-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn480; Calibrated: 2013-09-16
- Phantom: SAR3 - SAM3; Type: Not Specified; Serial: Not Specified
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.8 (7028)

WCDMA850 (Band 5) - Left/Cheek - Low - Antenna 2/Area Scan (71x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Reference Value = 6.499 V/m

Fast SAR: SAR(1 g) = 0.467 W/kg

Fast SAR(10 g) = 0.328 W/kg

Maximum value of SAR (interpolated) = 0.495 W/kg

WCDMA850 (Band 5) - Left/Cheek - Low - Antenna 2/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

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

Reference Value = 6.499 V/m

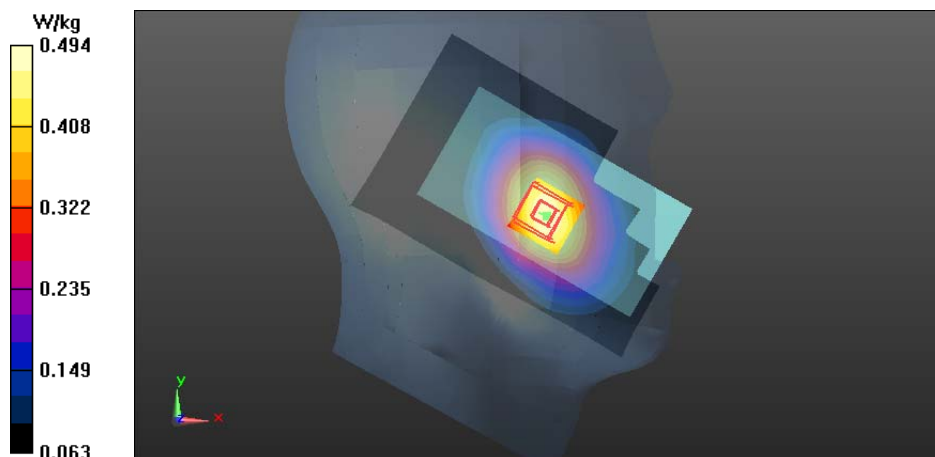
Peak SAR (extrapolated) = 0.588 W/kg

SAR(1 g) = 0.476 W/kg

SAR(10 g) = 0.365 W/kg

Power Drift = 0.17 dB

Maximum value of SAR (measured) = 0.494 W/kg



Plot5:

Date/Time: 2014-09-05 11:47:37 AM

Test Laboratory: TCC Microsoft

Type: RM-1078; Serial: 004402/47/868603/7

Communication System: LTE850(Band 26 Limited)

Frequency: 819 MHz; Duty Cycle: 1:1

Medium: Head 835 SAR3; Medium Notes: Medium Temperature: t=21.6

Medium parameters used: f = 819 MHz; $\sigma = 0.857$ S/m; $\epsilon_r = 40.232$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3838
- ConvF(9.2, 9.2, 9.2); Calibrated: 2014-03-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn710; Calibrated: 2014-03-24
- Phantom: SAR3 - SAM3; Type: Not Specified; Serial: Not Specified
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.8 (7028)

LTE850 (Band 26 Limited) - Left/Cheek - Middle - QPSK - 10MHz - 1RB - 0% offset – Antenna 2/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 6.695 V/m

Fast SAR: SAR(1 g) = 0.354 W/kg

Fast SAR(10 g) = 0.252 W/kg

Maximum value of SAR (interpolated) = 0.373 W/kg

LTE850 (Band 26 Limited) - Left/Cheek - Middle - QPSK - 10MHz - 1RB - 0% offset – Antenna 2/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 6.695 V/m

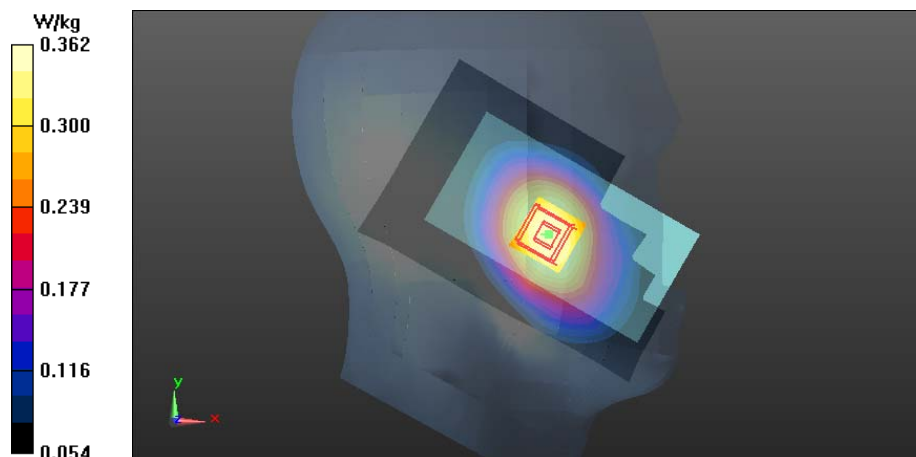
Peak SAR (extrapolated) = 0.414 W/kg

SAR(1 g) = 0.347 W/kg

SAR(10 g) = 0.274 W/kg

Power Drift = 0.02 dB

Maximum value of SAR (measured) = 0.362 W/kg



Plot6:

Date/Time: 2014-08-27 11:42:23 AM

Test Laboratory: TCC Microsoft

Type: RM-1078; Serial: 004402/47/868603/7

Communication System: LTE850(Band 26)

Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: Head 835 SAR3; Medium Notes: Medium Temperature: t=21.2

Medium parameters used (interpolated): f = 836.5 MHz; $\sigma = 0.898$ S/m; $\epsilon_r = 41.375$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3838
- ConvF(9.2, 9.2, 9.2); Calibrated: 2014-03-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn710; Calibrated: 2014-03-24
- Phantom: SAR3 - SAM3; Type: Not Specified; Serial: Not Specified
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.8 (7028)

LTE850 (Band 26) - Right/Cheek - Middle - QPSK - 15MHz - 1RB - 50% offset – Antenna 1/Area Scan (71x121x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 5.037 V/m

Fast SAR: SAR(1 g) = 0.295 W/kg

Fast SAR(10 g) = 0.207 W/kg

Maximum value of SAR (interpolated) = 0.313 W/kg

LTE850 (Band 26) - Right/Cheek - Middle - QPSK - 15MHz - 1RB - 50% offset – Antenna 1/Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 5.037 V/m

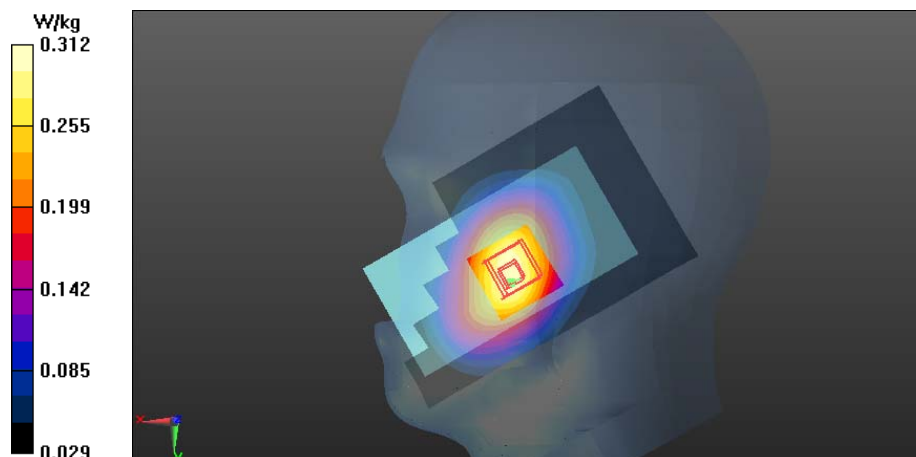
Peak SAR (extrapolated) = 0.379 W/kg

SAR(1 g) = 0.300 W/kg

SAR(10 g) = 0.228 W/kg

Power Drift = 0.11 dB

Maximum value of SAR (measured) = 0.312 W/kg



Plot7:

Date/Time: 2014-09-02 1:22:40 PM

Test Laboratory: TCC Microsoft

Type: RM-1078; Serial: 004402/47/868676/3

Communication System: CDMA1900(BC1)

Frequency: 1908.75 MHz; Duty Cycle: 1:1

Medium: Head 1900 SAR1; Medium Notes: Medium Temperature: $t=21.1$ C

Medium parameters used: $f = 1909$ MHz; $\sigma = 1.459$ S/m; $\epsilon_r = 38.605$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3195
- ConvF(5.08, 5.08, 5.08); Calibrated: 2014-03-20;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1324; Calibrated: 2014-03-12
- Phantom: SAR1 - SAM3; Type: Not Specified; Serial: Not Specified
- Measurement SW: DASY52, Version 52.8 (5); SEMCAD X Version 14.6.8 (7028)

CDMA1900(BC1) - Left/Cheek – High - RC3/S055 – Antenna 1/Area Scan (71x121x1): Interpolated grid:

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

Reference Value = 7.356 V/m

Fast SAR: SAR(1 g) = 0.618 W/kg

Fast SAR(10 g) = 0.350 W/kg

Maximum value of SAR (interpolated) = 0.698 W/kg

CDMA1900(BC1) - Left/Cheek – High - RC3/S055 - Antenna 1/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

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

Reference Value = 7.356 V/m

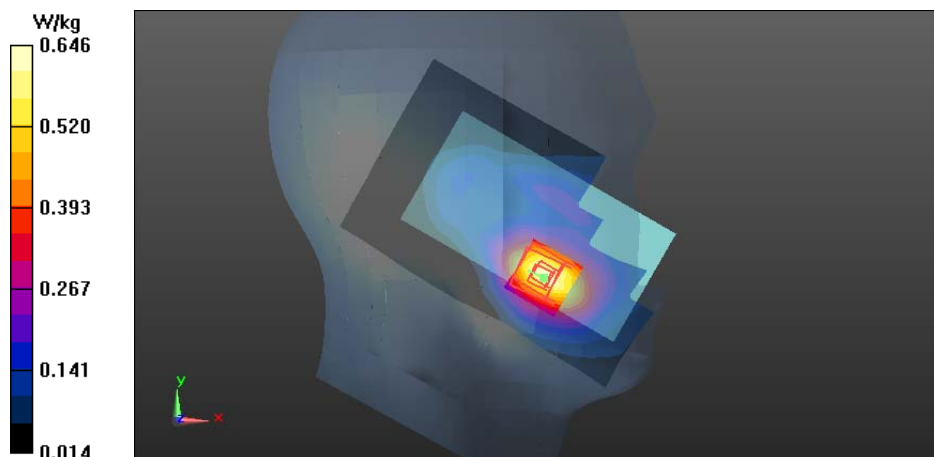
Peak SAR (extrapolated) = 0.903 W/kg

SAR(1 g) = 0.597 W/kg

SAR(10 g) = 0.375 W/kg

Power Drift = 0.06 dB

Maximum value of SAR (measured) = 0.646 W/kg



Plot8:

Date/Time: 2014-09-02 3:35:31 PM

Test Laboratory: TCC Microsoft

Type: RM-1078; Serial: 004402/47/868599/7

Communication System: 4-slot GPRS1900

Frequency: 1850.2 MHz; Duty Cycle: 1:2.08018

Medium: Head 1900 SAR1; Medium Notes: Medium Temperature: $t=21.1$ C

Medium parameters used (interpolated): $f = 1850.2$ MHz; $\sigma = 1.402$ S/m; $\epsilon_r = 38.823$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3195
- ConvF(5.08, 5.08, 5.08); Calibrated: 2014-03-20;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1324; Calibrated: 2014-03-12
- Phantom: SAR1 - SAM3; Type: Not Specified; Serial: Not Specified
- Measurement SW: DASY52, Version 52.8 (5); SEMCAD X Version 14.6.8 (7028)

4-slot GPRS1900 - Left/Cheek – Low – Antenna 1/Area Scan (71x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Reference Value = 6.592 V/m

Fast SAR: SAR(1 g) = 0.512 W/kg

Fast SAR(10 g) = 0.294 W/kg

Maximum value of SAR (interpolated) = 0.575 W/kg

4-slot GPRS1900 - Left/Cheek – Low – Antenna 1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 6.592 V/m

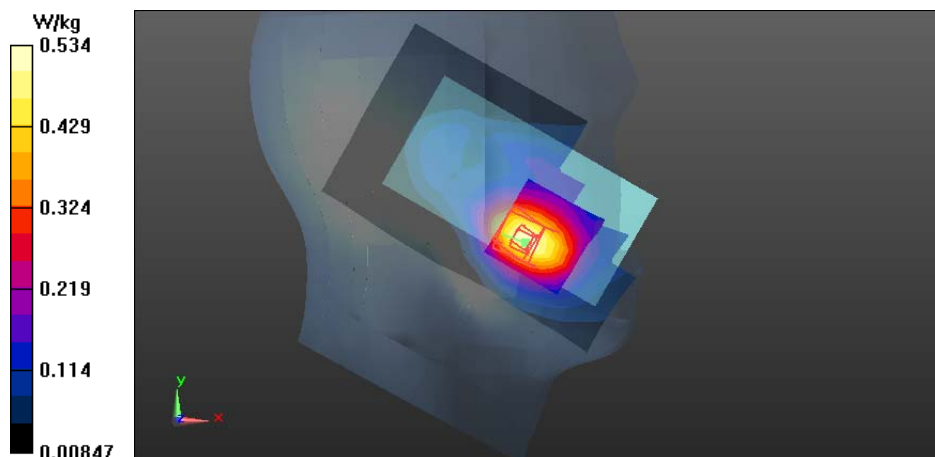
Peak SAR (extrapolated) = 0.740 W/kg

SAR(1 g) = 0.497 W/kg

SAR(10 g) = 0.315 W/kg

Power Drift = -0.01 dB

Maximum value of SAR (measured) = 0.534 W/kg



Plot9:

Date/Time: 2014-08-29 2:30:28 PM

Test Laboratory: TCC Microsoft

Type: RM-1078; Serial: 004402/47/868611/0

Communication System: WCDMA1900 (Band 2)

Frequency: 1907.6 MHz; Duty Cycle: 1:1

Medium: Head 1900 SAR1; Medium Notes: Medium Temperature: $t=21.2$ C

Medium parameters used: $f = 1908$ MHz; $\sigma = 1.456$ S/m; $\epsilon_r = 39.105$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3195
- ConvF(5.08, 5.08, 5.08); Calibrated: 2014-03-20;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1324; Calibrated: 2014-03-12
- Phantom: SAR1 - SAM3; Type: Not Specified; Serial: Not Specified
- Measurement SW: DASY52, Version 52.8 (5); SEMCAD X Version 14.6.8 (7028)

WCDMA1900 (Band 2) - Left/Cheek – High – Antenna 2/Area Scan (71x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Reference Value = 4.788 V/m

Fast SAR: SAR(1 g) = 0.712 W/kg

Fast SAR(10 g) = 0.411 W/kg

Maximum value of SAR (interpolated) = 0.803 W/kg

WCDMA1900 (Band 2) - Left/Cheek – High – Antenna 2/Zoom Scan (6x7x7)/Cube 0: Measurement grid:

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

Reference Value = 4.788 V/m

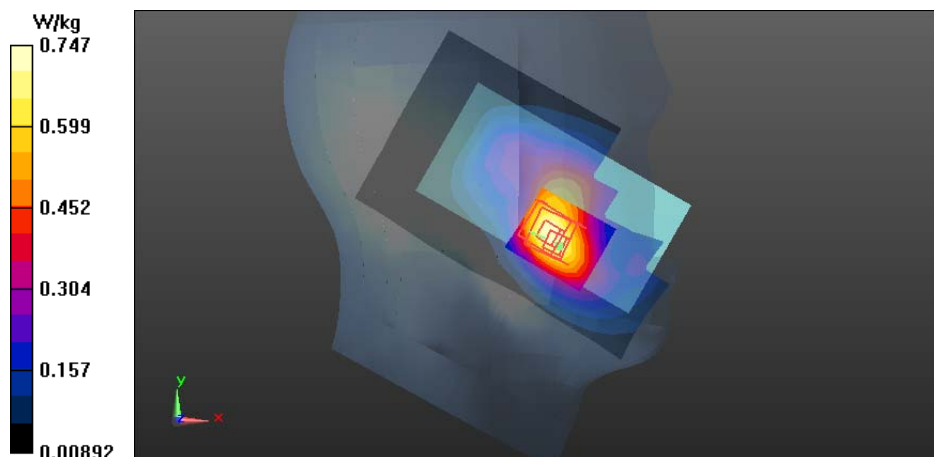
Peak SAR (extrapolated) = 1.08 W/kg

SAR(1 g) = 0.711 W/kg

SAR(10 g) = 0.439 W/kg

Power Drift = 0.10 dB

Maximum value of SAR (measured) = 0.747 W/kg



Plot10:

Date/Time: 2014-08-22 2:31:43 PM

Test Laboratory: TCC Microsoft

Type: RM-1078; Serial: 004402/47/868599/7

Communication System: LTE1900(Band 25)

Frequency: 1860 MHz; Duty Cycle: 1:1

Medium: Head 1900 SAR1; Medium Notes: Medium Temperature: t=21.1 C

Medium parameters used: f = 1860 MHz; $\sigma = 1.426$ S/m; $\epsilon_r = 40.11$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: ES3DV3 - SN3195
- ConvF(5.08, 5.08, 5.08); Calibrated: 2014-03-20;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1324; Calibrated: 2014-03-12
- Phantom: SAR1 - SAM3; Type: Not Specified; Serial: Not Specified
- Measurement SW: DASY52, Version 52.8 (5); SEMCAD X Version 14.6.8 (7028)

LTE1900(Band 25) - Left/Cheek - Low - QPSK - 20MHz - 50%RB - 50% offset – Antenna 2/Area Scan (71x121x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 6.188 V/m

Fast SAR: SAR(1 g) = 1.04 W/kg

Fast SAR(10 g) = 0.597 W/kg

Maximum value of SAR (interpolated) = 1.16 W/kg

LTE1900(Band 25) - Left/Cheek - Low - QPSK - 20MHz - 50%RB - 50% offset – Antenna 2/Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 6.188 V/m

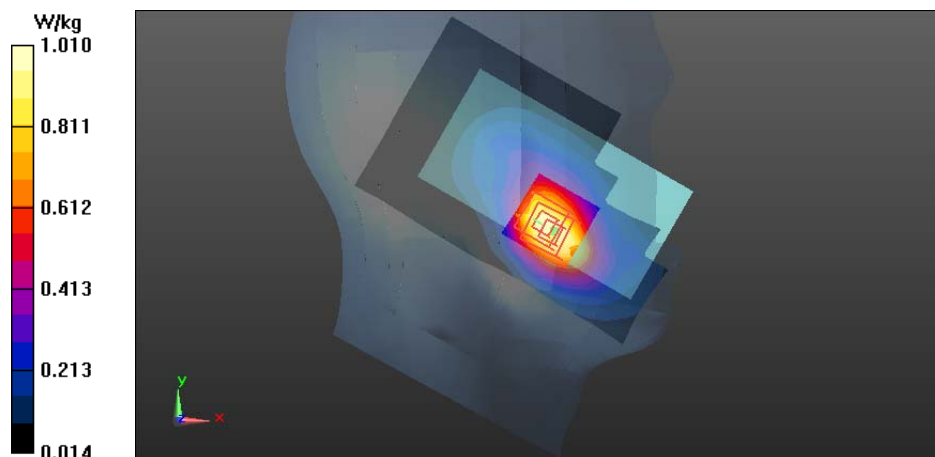
Peak SAR (extrapolated) = 1.42 W/kg

SAR(1 g) = 0.945 W/kg

SAR(10 g) = 0.591 W/kg

Power Drift = 0.09 dB

Maximum value of SAR (measured) = 1.01 W/kg



Plot11:

Date/Time: 2014-08-29 2:07:11 PM

Test Laboratory: TCC Microsoft

Type: RM-1078; Serial: 004402/47/868616/9

Communication System: TDD-LTE 2600 (Band 41)

Frequency: 2506 MHz; Duty Cycle: 1:1.58125

Medium: Head 2600 SAR4; Medium Notes: Medium Temperature: t=22.2C

Medium parameters used: f = 2506 MHz; $\sigma = 1.866$ S/m; $\epsilon_r = 39.135$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: ES3DV3 - SN3280
- ConvF(4.35, 4.35, 4.35); Calibrated: 2014-03-20;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn887; Calibrated: 2014-03-31
- Phantom: SAR4 - SAM3; Type: Not Specified; Serial: Not Specified
- Measurement SW: DASY52, Version 52.8 (5); SEMCAD X Version 14.6.8 (7028)

TDD-LTE2600 (Band 41) - Right/Cheek - Low - QPSK - 20MHz - 1RB - 50% offset - Antenna 2/Area Scan (101x181x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Reference Value = 5.490 V/m

Fast SAR: SAR(1 g) = 0.119 W/kg

Fast SAR(10 g) = 0.067 W/kg

Maximum value of SAR (interpolated) = 0.156 W/kg

TDD-LTE2600 (Band 41) - Right/Cheek - Low - QPSK - 20MHz - 1RB - 50% offset - Antenna 2/Zoom Scan (9x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.490 V/m

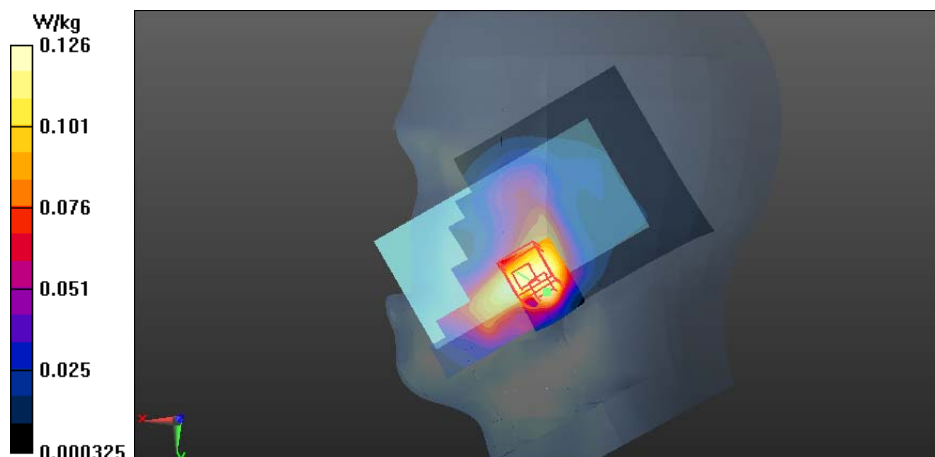
Peak SAR (extrapolated) = 0.212 W/kg

SAR(1 g) = 0.116 W/kg

SAR(10 g) = 0.066 W/kg

Power Drift = 0.20 dB

Maximum value of SAR (measured) = 0.126 W/kg



Plot12:

Date/Time: 2014-08-26 11:57:55 AM

Test Laboratory: TCC Microsoft

Type: RM-1078; Serial: 004402/47/868607/8

Communication System: WLAN2450

Frequency: 2412 MHz; Duty Cycle: 1:1

Medium: Head 2450 SAR2; Medium Notes: Medium Temperature: $t=21.2^{\circ}\text{C}$

Medium parameters used: $f = 2412 \text{ MHz}$; $\sigma = 1.773 \text{ S/m}$; $\epsilon_r = 38.399$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3823
- ConvF(6.85, 6.85, 6.85); Calibrated: 2013-09-19;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1319; Calibrated: 2013-09-18
- Phantom: SAR2 - SAM2; Type: Not Specified; Serial: Not Specified
- Measurement SW: DASY52, Version 52.8 (5); SEMCAD X Version 14.6.8 (7028)

WLAN2450 b-mode - Left/Cheek - Channel 1 - BPSK 1 Mbps/Area Scan (101x181x1): Interpolated grid:

$dx=1.000 \text{ mm}$, $dy=1.000 \text{ mm}$

Reference Value = 13.573 V/m

Fast SAR: SAR(1 g) = 0.705 W/kg

Fast SAR(10 g) = 0.342 W/kg

Maximum value of SAR (interpolated) = 0.829 W/kg

WLAN2450 b-mode - Left/Cheek - Channel 1 - BPSK 1 Mbps/Zoom Scan (7x7x7)/Cube 0: Measurement grid:

$dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 13.573 V/m

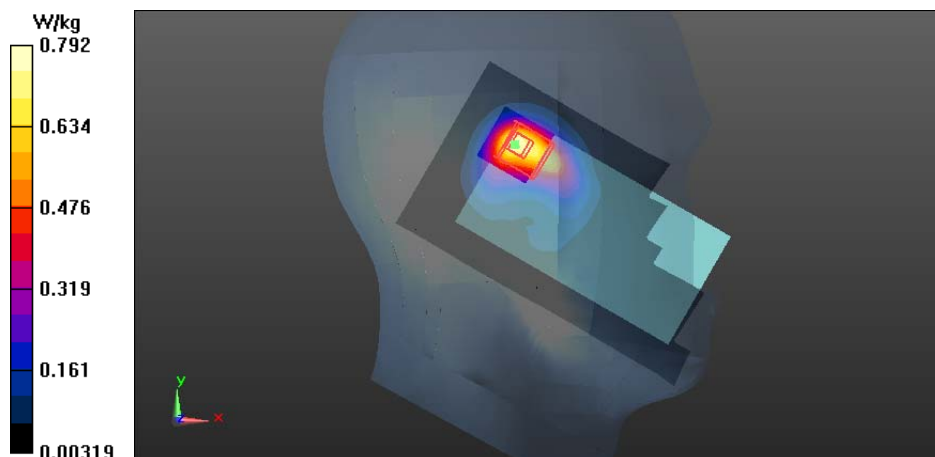
Peak SAR (extrapolated) = 1.48 W/kg

SAR(1 g) = 0.708 W/kg

SAR(10 g) = 0.352 W/kg

Power Drift = -0.01 dB

Maximum value of SAR (measured) = 0.792 W/kg



Plot13:

Date/Time: 2014-08-29 2:30:28 PM

DASY Configuration for WCDMA1900 (Band 2) - Left/Cheek – High – Antenna 2/Area Scan:

Test Laboratory: TCC Microsoft

Type: RM-1078; Serial: 004402/47/868611/0

Communication System: WCDMA1900 (Band 2); Frequency: 1907.6 MHz; Duty Cycle: 1:1; PMF: 1

Medium: Head 1900 SAR1 Medium parameters used: $f = 1908$ MHz; $\sigma = 1.456$ S/m; $\epsilon_r = 39.105$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Probe: ES3DV3 - SN3195; ConvF(5.08, 5.08, 5.08); Calibrated: 2014-03-20;
Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))
Electronics: DAE4 Sn1324; Calibrated: 2014-03-12
Phantom: SAR1 - SAM3; Type: Not Specified; Serial: Not Specified
Measurement SW: DASY52, Version 52.8 (5)

Date/Time: 2014-08-26 11:57:55 AM

DASY Configuration for WLAN2450 b-mode - Left/Cheek - Channel 1 - BPSK 1 Mbps/Area Scan:

Test Laboratory: TCC Microsoft

Type: RM-1078; Serial: 004402/47/868607/8

Communication System: WLAN2450; Frequency: 2412 MHz; Duty Cycle: 1:1; PMF: 1

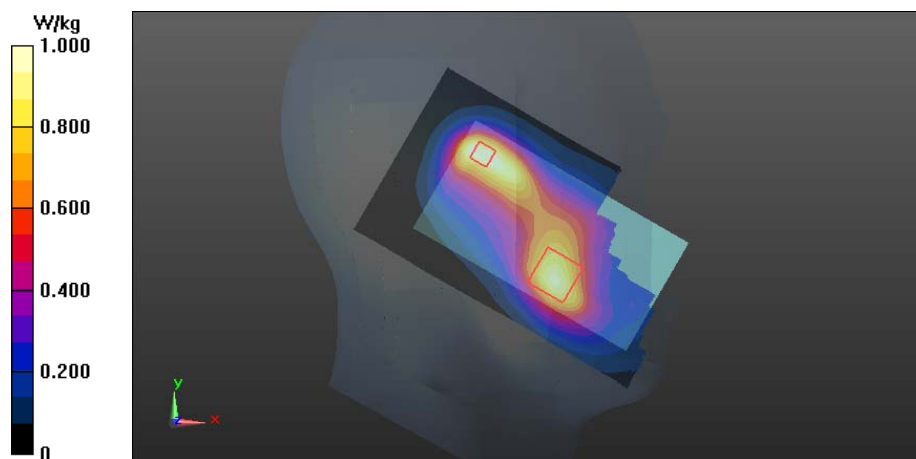
Medium: Head 2450 SAR2 Medium parameters used: $f = 2412$ MHz; $\sigma = 1.773$ S/m; $\epsilon_r = 38.399$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Probe: EX3DV4 - SN3823; ConvF(6.85, 6.85, 6.85); Calibrated: 2013-09-19;
Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))
Electronics: DAE4 Sn1319; Calibrated: 2013-09-18
Phantom: SAR2 - SAM2; Type: Not Specified; Serial: Not Specified
Measurement SW: DASY52, Version 52.8 (5)

Fast SAR of Combined Scans: SAR(1 g) = 0.891 W/kg; SAR(10 g) = 0.501 W/kg

Maximum value of SAR (interpolated) = 1.00 W/kg



Note: WCDMA1900 result was scaled by a factor of 1.20 and WLAN2450 result was scaled by a factor of 1.17 before combining

Plot14:

Date/Time: 2014-08-22 2:31:43 PM

DASY Configuration for LTE1900(Band 25) - Left/Cheek - Low - QPSK - 20MHz - 50%RB - 50% offset – Antenna 2/Area Scan:

Test Laboratory: TCC Microsoft

Type: RM-1078; Serial: 004402/47/868599/7

Communication System: FDD-LTE1900(Band 25); Frequency: 1860 MHz; Duty Cycle: 1:1; PMF: 1

Medium: Head 1900 SAR1 Medium parameters used: $f = 1860$ MHz; $\sigma = 1.426$ S/m; $\epsilon_r = 40.11$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Probe: ES3DV3 - SN3195; ConvF(5.08, 5.08, 5.08); Calibrated: 2014-03-20;
Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))
Electronics: DAE4 Sn1324; Calibrated: 2014-03-12
Phantom: SAR1 - SAM3; Type: Not Specified; Serial: Not Specified
Measurement SW: DASY52, Version 52.8 (5)

Date/Time: 2014-08-26 11:57:55 AM

DASY Configuration for WLAN2450 b-mode - Left/Cheek - Channel 1 - BPSK 1 Mbps/Area Scan:

Test Laboratory: TCC Microsoft

Type: RM-1078; Serial: 004402/47/868607/8

Communication System: WLAN2450; Frequency: 2412 MHz; Duty Cycle: 1:1; PMF: 1

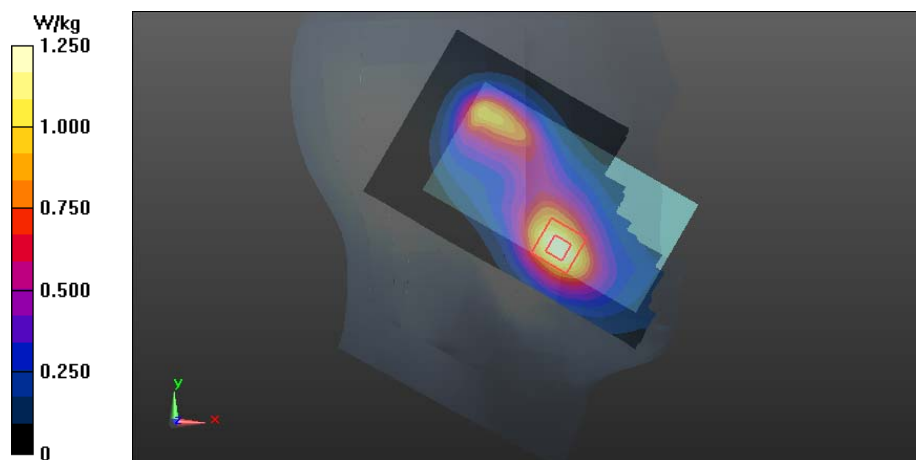
Medium: Head 2450 SAR2 Medium parameters used: $f = 2412$ MHz; $\sigma = 1.773$ S/m; $\epsilon_r = 38.399$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Probe: EX3DV4 - SN3823; ConvF(6.85, 6.85, 6.85); Calibrated: 2013-09-19;
Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))
Electronics: DAE4 Sn1319; Calibrated: 2013-09-18
Phantom: SAR2 - SAM2; Type: Not Specified; Serial: Not Specified
Measurement SW: DASY52, Version 52.8 (5)

Fast SAR of Combined Scans: SAR(1 g) = 1.13 W/kg; SAR(10 g) = 0.646 W/kg

Maximum value of SAR (interpolated) = 1.25 W/kg



Note: LTE1900 (Band25) result was scaled by a factor of 1.07 and WLAN2450 result was scaled by a factor of 1.17 before combining

Plot15:

Date/Time: 2014-08-29 4:37:43 PM

Test Laboratory: TCC Microsoft

Type: RM-1078; Serial: 004402/47/868666/4

Communication System: CDMA800 (BC0)

Frequency: 848.31 MHz; Duty Cycle: 1:1

Medium: Body 835 SAR3; Medium Notes: Medium Temperature: $t=21.4$

Medium parameters used (interpolated): $f = 848.31$ MHz; $\sigma = 0.975$ S/m; $\epsilon_r = 54.459$; $\rho = 1000$ kg/m³

Phantom section: Center Section

DASY Configuration:

- Probe: EX3DV4 - SN3838
- ConvF(8.97, 8.97, 8.97); Calibrated: 2014-03-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn710; Calibrated: 2014-03-24
- Phantom: SAR3 - TFP; Type: Not Specified; Serial: Not Specified
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.8 (7028)

CDMA800(BC0)/Body - High - RC3/S055 - Spacer 15mm - No Headset - Back Facing Phantom – Antenna 2/Area Scan (71x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Reference Value = 23.786 V/m

Fast SAR: SAR(1 g) = 0.569 W/kg

Fast SAR(10 g) = 0.405 W/kg

Maximum value of SAR (interpolated) = 0.601 W/kg

CDMA800(BC0)/Body - High - RC3/S055 - Spacer 15mm - No Headset - Back Facing Phantom – Antenna 2/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

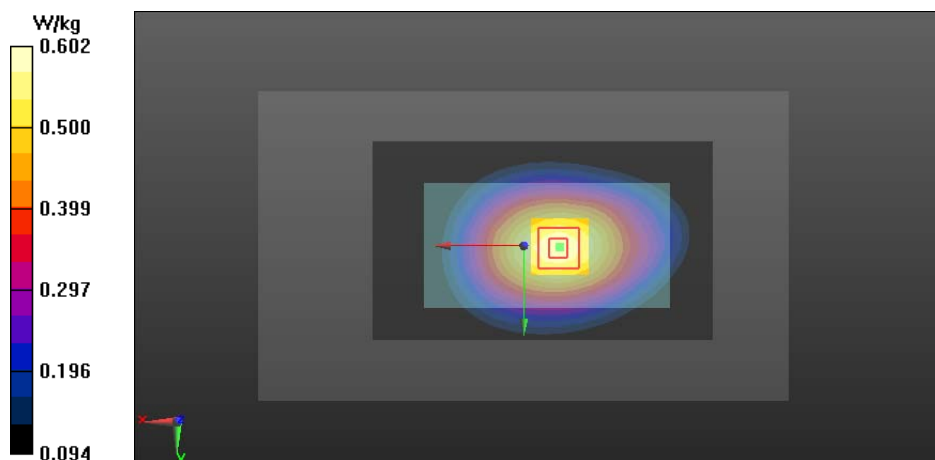
Reference Value = 23.786 V/m

Peak SAR (extrapolated) = 0.715 W/kg

SAR(1 g) = 0.571 W/kg

Maximum value of SAR (measured) = 0.602 W/kg

Power Drift = 0.02 dB



Plot16:

Date/Time: 2014-08-29 5:48:19 PM

Test Laboratory: TCC Microsoft

Type: RM-1078; Serial: 004402/47/868666/4

Communication System: CDMA800(BC10)

Frequency: 823.1 MHz; Duty Cycle: 1:1

Medium: Body 835 SAR3; Medium Notes: Medium Temperature: $t=21.4$

Medium parameters used (interpolated): $f = 823.1$ MHz; $\sigma = 0.949$ S/m; $\epsilon_r = 54.704$; $\rho = 1000$ kg/m³

Phantom section: Center Section

DASY Configuration:

- Probe: EX3DV4 - SN3838
- ConvF(8.97, 8.97, 8.97); Calibrated: 2014-03-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn710; Calibrated: 2014-03-24
- Phantom: SAR3 - TFP; Type: Not Specified; Serial: Not Specified
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.8 (7028)

CDMA800(BC10)/Body - High - RC3/S055 - Spacer 15mm - No Headset - Back Facing Phantom – Antenna 2/Area Scan (71x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Reference Value = 24.500 V/m

Fast SAR: SAR(1 g) = 0.581 W/kg

Fast SAR(10 g) = 0.415 W/kg

Maximum value of SAR (interpolated) = 0.613 W/kg

CDMA800(BC10)/Body - High - RC3/S055 - Spacer 15mm - No Headset - Back Facing Phantom – Antenna 2/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

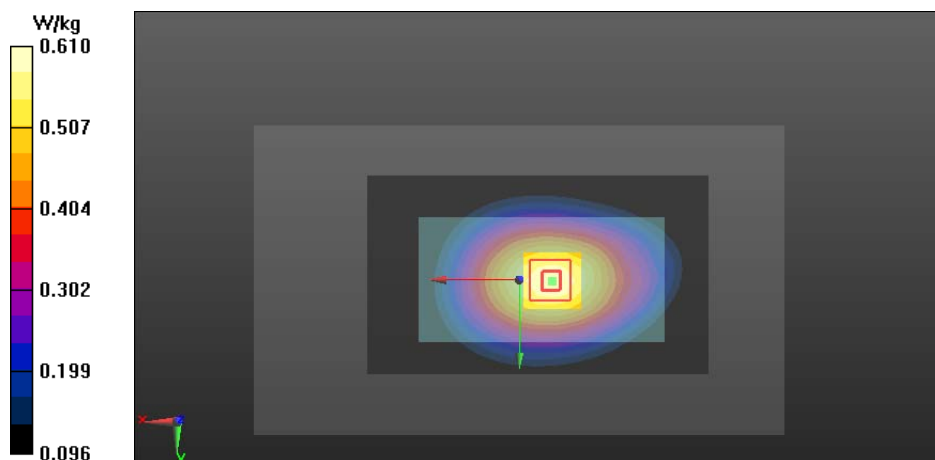
Reference Value = 24.500 V/m

Peak SAR (extrapolated) = 0.724 W/kg

SAR(1 g) = 0.581 W/kg

Maximum value of SAR (measured) = 0.610 W/kg

Power Drift = 0.00 dB



Plot17:

Date/Time: 2014-09-03 5:04:14 PM

Test Laboratory: TCC Microsoft

Type: RM-1078; Serial: 004402/47/868599/7

Communication System: 2-slot GPRS850

Frequency: 824.2 MHz; Duty Cycle: 1:4.19952

Medium: Body 835 SAR3; Medium Notes: Medium Temperature: t=21.6

Medium parameters used (interpolated): f = 824.2 MHz; $\sigma = 0.934$ S/m; $\epsilon_r = 54.35$; $\rho = 1000$ kg/m³

Phantom section: Center Section

DASY Configuration:

- Probe: EX3DV4 - SN3838
- ConvF(8.97, 8.97, 8.97); Calibrated: 2014-03-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn710; Calibrated: 2014-03-24
- Phantom: SAR3 - TFP; Type: Not Specified; Serial: Not Specified
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.8 (7028)

2-slot GPRS850/Body - Low - Spacer 15mm - No Headset - Back Facing Phantom – Antenna 2/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 24.180 V/m

Fast SAR: SAR(1 g) = 0.555 W/kg

Fast SAR(10 g) = 0.397 W/kg

Maximum value of SAR (interpolated) = 0.586 W/kg

2-slot GPRS850/Body - Low - Spacer 15mm - No Headset - Back Facing Phantom – Antenna 2/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

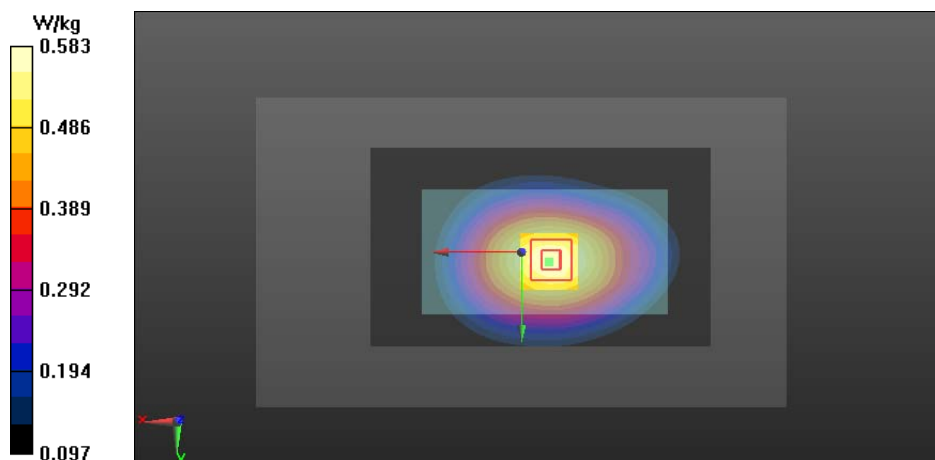
Reference Value = 24.180 V/m

Peak SAR (extrapolated) = 0.696 W/kg

SAR(1 g) = 0.555 W/kg

Maximum value of SAR (measured) = 0.583 W/kg

Power Drift = -0.05 dB



Plot18:

Date/Time: 2014-09-03 10:52:00 AM

Test Laboratory: TCC Microsoft

Type: RM-1078; Serial: 004402/47/868611/0

Communication System: WCDMA850 (Band 5)

Frequency: 826.4 MHz; Duty Cycle: 1:1

Medium: Body 835 SAR3; Medium Notes: Medium Temperature: $t=21.6$

Medium parameters used (interpolated): $f = 826.4$ MHz; $\sigma = 0.937$ S/m; $\epsilon_r = 54.346$; $\rho = 1000$ kg/m³

Phantom section: Center Section

DASY Configuration:

- Probe: EX3DV4 - SN3838
- ConvF(8.97, 8.97, 8.97); Calibrated: 2014-03-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn710; Calibrated: 2014-03-24
- Phantom: SAR3 - TFP; Type: Not Specified; Serial: Not Specified
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.8 (7028)

WCDMA850(Band 5)/Body - Low - Spacer 15mm - No Headset - Back Facing Phantom – Antenna 2/Area Scan (71x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Reference Value = 22.111 V/m

Fast SAR: SAR(1 g) = 0.465 W/kg

Fast SAR(10 g) = 0.332 W/kg

Maximum value of SAR (interpolated) = 0.489 W/kg

WCDMA850(Band 5)/Body - Low - Spacer 15mm - No Headset - Back Facing Phantom – Antenna 2/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

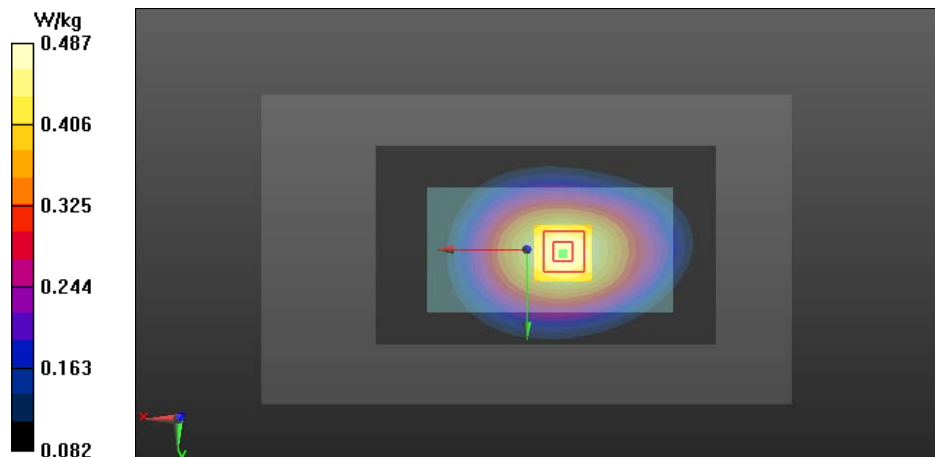
Reference Value = 22.111 V/m

Peak SAR (extrapolated) = 0.580 W/kg

SAR(1 g) = 0.466 W/kg

Maximum value of SAR (measured) = 0.487 W/kg

Power Drift = -0.13 dB



Plot19:

Date/Time: 2014-08-29 2:33:04 PM

Test Laboratory: TCC Microsoft

Type: RM-1078; Serial: 004402/47/868603/7

Communication System: LTE850(Band 26 Limited)

Frequency: 819 MHz; Duty Cycle: 1:1

Medium: Body 835 SAR3; Medium Notes: Medium Temperature: t=21.4

Medium parameters used: f = 819 MHz; $\sigma = 0.944$ S/m; $\epsilon_r = 54.749$; $\rho = 1000$ kg/m³

Phantom section: Center Section

DASY Configuration:

- Probe: EX3DV4 - SN3838
- ConvF(8.97, 8.97, 8.97); Calibrated: 2014-03-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn710; Calibrated: 2014-03-24
- Phantom: SAR3 - TFP; Type: Not Specified; Serial: Not Specified
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.8 (7028)

LTE850 (Band 26 Limited)/Body - Middle - QPSK - 10MHz - 1RB - 0% offset - Spacer 15mm - WH-108 - Display Facing Phantom – Antenna 2/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 17.827 V/m

Fast SAR: SAR(1 g) = 0.323 W/kg

Fast SAR(10 g) = 0.232 W/kg

Maximum value of SAR (interpolated) = 0.341 W/kg

LTE850 (Band 26 Limited)/Body - Middle - QPSK - 10MHz - 1RB - 0% offset - Spacer 15mm - WH-108 - Display Facing Phantom – Antenna 2/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

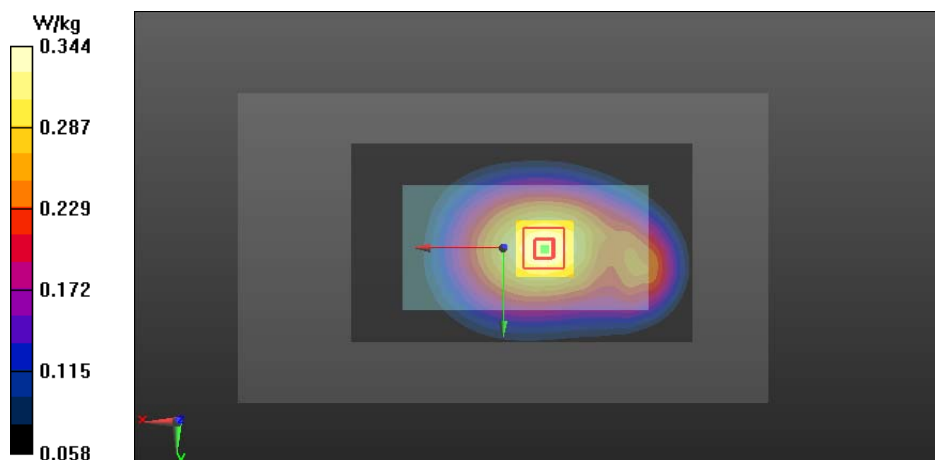
Reference Value = 17.827 V/m

Peak SAR (extrapolated) = 0.402 W/kg

SAR(1 g) = 0.328 W/kg

Maximum value of SAR (measured) = 0.344 W/kg

Power Drift = 0.02 dB



Plot20:

Date/Time: 2014-08-28 7:26:37 PM

Test Laboratory: TCC Microsoft

Type: RM-1078; Serial: 004402/47/868603/7

Communication System: LTE850(Band 26)

Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: Body 835 SAR3; Medium Notes: Medium Temperature: t=21.2

Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.951 S/m; ϵ_r = 53.886; ρ = 1000 kg/m³

Phantom section: Center Section

DASY Configuration:

- Probe: EX3DV4 - SN3838
- ConvF(8.97, 8.97, 8.97); Calibrated: 2014-03-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn710; Calibrated: 2014-03-24
- Phantom: SAR3 - TFP; Type: Not Specified; Serial: Not Specified
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.8 (7028)

LTE850 (Band 26)/Body - Middle - QPSK - 15MHz - 1RB - 50% offset - Spacer 15mm - No Headset - Display

Facing Phantom – Antenna 1/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 17.051 V/m

Fast SAR: SAR(1 g) = 0.299 W/kg

Fast SAR(10 g) = 0.214 W/kg

Maximum value of SAR (interpolated) = 0.315 W/kg

LTE850 (Band 26)/Body - Middle - QPSK - 15MHz - 1RB - 50% offset - Spacer 15mm - No Headset - Display

Facing Phantom – Antenna 1/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

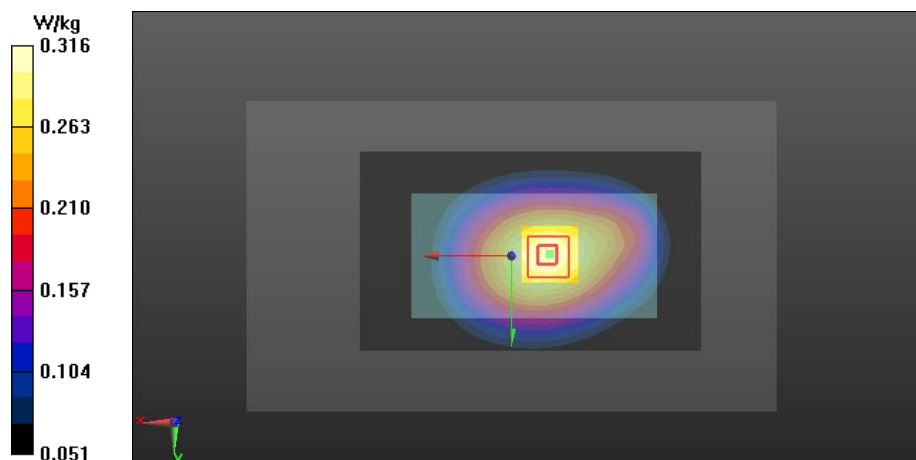
Reference Value = 17.051 V/m

Peak SAR (extrapolated) = 0.377 W/kg

SAR(1 g) = 0.301 W/kg

Maximum value of SAR (measured) = 0.316 W/kg

Power Drift = -0.02 dB



Plot21:

Date/Time: 2014-09-03 10:24:28 AM

Test Laboratory: TCC Microsoft

Type: RM-1078; Serial: 004402/47/868676/3

Communication System: CDMA1900

Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: Body 1900 SAR1; Medium Notes: Medium Temperature: $t=21.2^{\circ}\text{C}$

Medium parameters used: $f = 1880\text{ MHz}$; $\sigma = 1.479\text{ S/m}$; $\epsilon_r = 50.805$; $\rho = 1000\text{ kg/m}^3$

Phantom section: Center Section

DASY Configuration:

- Probe: ES3DV3 - SN3195
- ConvF(4.64, 4.64, 4.64); Calibrated: 2014-03-20;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1324; Calibrated: 2014-03-12
- Phantom: SAR1 - TFP; Type: Not Specified; Serial: Not Specified
- Measurement SW: DASY52, Version 52.8 (5); SEMCAD X Version 14.6.8 (7028)

CDMA1900(BC1)/Body - Middle - RC3/S055 - Spacer 15mm - No Headset - Display Facing Phantom – Antenna 1/Area Scan (71x121x1): Interpolated grid: $dx=1.500\text{ mm}$, $dy=1.500\text{ mm}$

Reference Value = 5.732 V/m

Fast SAR: SAR(1 g) = 0.614 W/kg

Fast SAR(10 g) = 0.369 W/kg

Maximum value of SAR (interpolated) = 0.672 W/kg

CDMA1900(BC1)/Body - Middle - RC3/S055 - Spacer 15mm - No Headset - Display Facing Phantom – Antenna 1/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

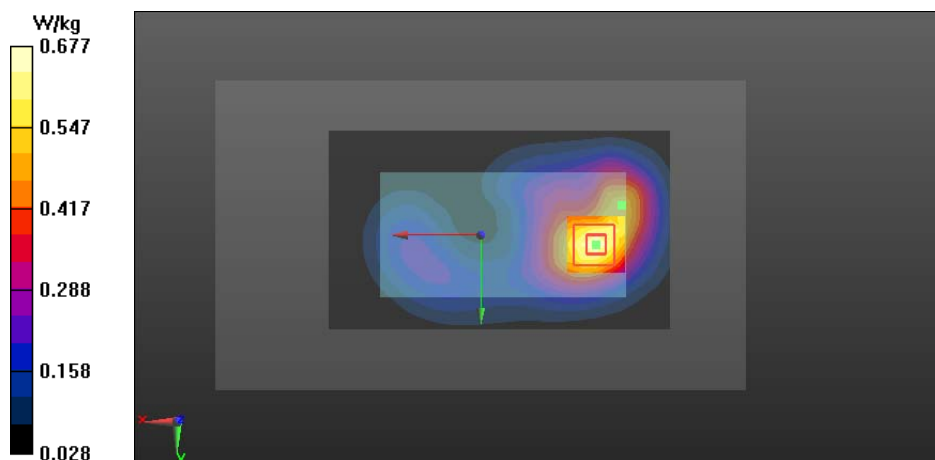
Reference Value = 5.732 V/m

Peak SAR (extrapolated) = 0.968 W/kg

SAR(1 g) = 0.626 W/kg

Maximum value of SAR (measured) = 0.677 W/kg

Power Drift = 0.08 dB



Plot22:

Date/Time: 2014-09-05 10:16:12 AM

Test Laboratory: TCC Microsoft

Type: RM-1078; Serial: 004402/47/868599/7

Communication System: 4-slot GPRS1900

Frequency: 1850.2 MHz; Duty Cycle: 1:2.09991

Medium: Body 1900 SAR1; Medium Notes: Medium Temperature: $t=21.2^{\circ}\text{C}$

Medium parameters used (interpolated): $f = 1850.2 \text{ MHz}$; $\sigma = 1.438 \text{ S/m}$; $\epsilon_r = 50.825$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Center Section

DASY Configuration:

- Probe: ES3DV3 - SN3195
- ConvF(4.64, 4.64, 4.64); Calibrated: 2014-03-20;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1324; Calibrated: 2014-03-12
- Phantom: SAR1 - TFP; Type: Not Specified; Serial: Not Specified
- Measurement SW: DASY52, Version 52.8 (5); SEMCAD X Version 14.6.8 (7028)

4-slot GPRS1900/Body - Low - Spacer 15mm - No Headset - Display Facing Phantom – Antenna 1/Area Scan (71x121x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Reference Value = 5.313 V/m

Fast SAR: SAR(1 g) = 0.457 W/kg

Fast SAR(10 g) = 0.277 W/kg

Maximum value of SAR (interpolated) = 0.497 W/kg

4-slot GPRS1900/Body - Low - Spacer 15mm - No Headset - Display Facing Phantom – Antenna 1/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

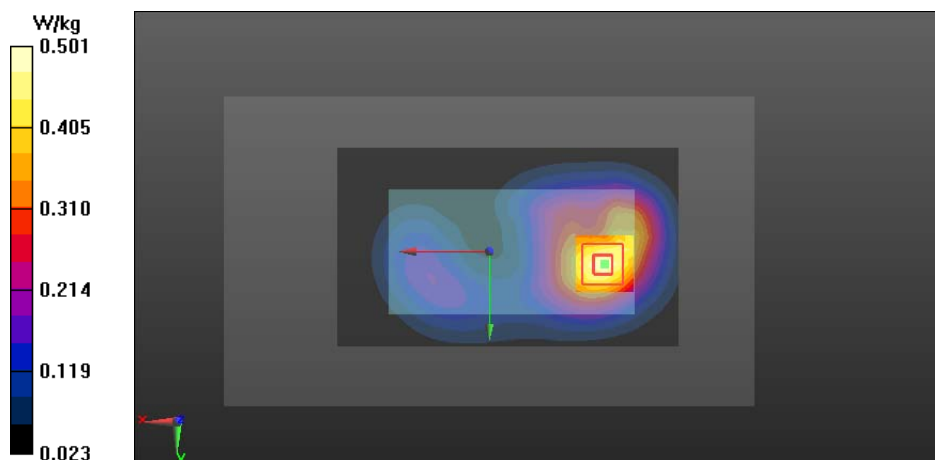
Reference Value = 5.313 V/m

Peak SAR (extrapolated) = 0.704 W/kg

SAR(1 g) = 0.463 W/kg

Maximum value of SAR (measured) = 0.501 W/kg

Power Drift = 0.00 dB



Plot23:

Date/Time: 2014-09-04 11:14:37 AM

Test Laboratory: TCC Microsoft

Type: RM-1078; Serial: 004402/47/868611/0

Communication System: WCDMA1900

Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: Body 1900 SAR1; Medium Notes: Medium Temperature: t=21.2C

Medium parameters used: f = 1880 MHz; $\sigma = 1.476$ S/m; $\epsilon_r = 50.912$; $\rho = 1000$ kg/m³

Phantom section: Center Section

DASY Configuration:

- Probe: ES3DV3 - SN3195
- ConvF(4.64, 4.64, 4.64); Calibrated: 2014-03-20;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1324; Calibrated: 2014-03-12
- Phantom: SAR1 - TFP; Type: Not Specified; Serial: Not Specified
- Measurement SW: DASY52, Version 52.8 (5); SEMCAD X Version 14.6.8 (7028)

WCDMA1900 (Band 2)/Body - Middle - Spacer 15mm - No Headset - Display Facing Phantom – Antenna 1/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 5.283 V/m

Fast SAR: SAR(1 g) = 0.577 W/kg

Fast SAR(10 g) = 0.348 W/kg

Maximum value of SAR (interpolated) = 0.633 W/kg

WCDMA1900 (Band 2)/Body - Middle - Spacer 15mm - No Headset - Display Facing Phantom – Antenna 1/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

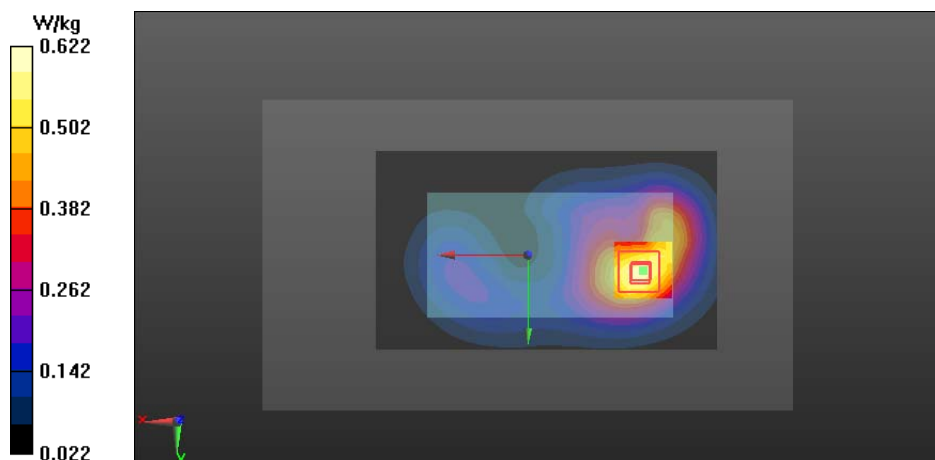
Reference Value = 5.283 V/m

Peak SAR (extrapolated) = 0.899 W/kg

SAR(1 g) = 0.578 W/kg

Maximum value of SAR (measured) = 0.622 W/kg

Power Drift = 0.11 dB



Plot24:

Date/Time: 2014-08-27 2:13:18 PM

Test Laboratory: TCC Microsoft

Type: RM-1078; Serial: 004402/47/868599/7

Communication System: LTE1900(Band 25)

Frequency: 1860 MHz; Duty Cycle: 1:1

Medium: Body 1900 SAR1; Medium Notes: Medium Temperature: t=21.2C

Medium parameters used: f = 1860 MHz; $\sigma = 1.487$ S/m; $\epsilon_r = 51.904$; $\rho = 1000$ kg/m³

Phantom section: Center Section

DASY Configuration:

- Probe: ES3DV3 - SN3195
- ConvF(4.64, 4.64, 4.64); Calibrated: 2014-03-20;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1324; Calibrated: 2014-03-12
- Phantom: SAR1 - TFP; Type: Not Specified; Serial: Not Specified
- Measurement SW: DASY52, Version 52.8 (5); SEMCAD X Version 14.6.8 (7028)

LTE1900 (Band 25)/Body - Low - QPSK - 20MHz - 1RB - 50% offset - Spacer 15mm - No Headset - Display Facing Phantom – Antenna 2/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 10.165 V/m

Fast SAR: SAR(1 g) = 0.737 W/kg

Fast SAR(10 g) = 0.453 W/kg

Maximum value of SAR (interpolated) = 0.793 W/kg

LTE1900 (Band 25)/Body - Low - QPSK - 20MHz - 1RB - 50% offset - Spacer 15mm - No Headset - Display Facing Phantom – Antenna 2/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

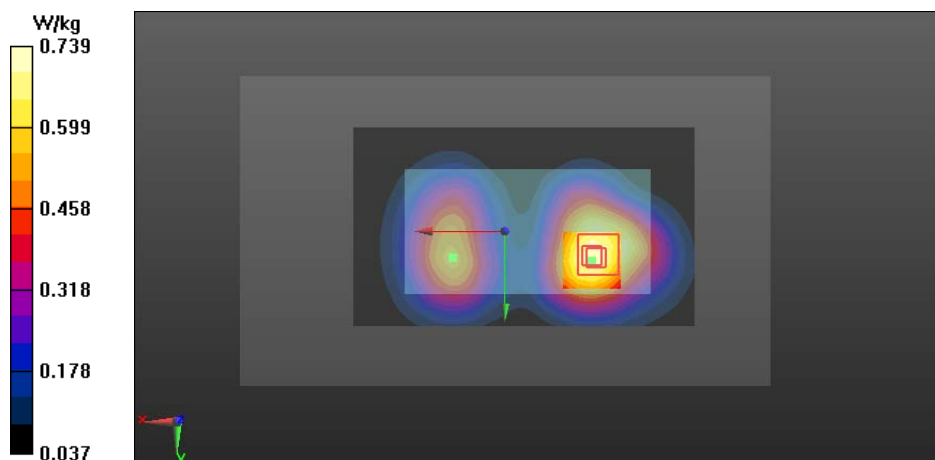
Reference Value = 10.165 V/m

Peak SAR (extrapolated) = 1.02 W/kg

SAR(1 g) = 0.691 W/kg

Maximum value of SAR (measured) = 0.739 W/kg

Power Drift = 0.00 dB



Plot25:

Date/Time: 2014-09-04 3:09:50 PM

Test Laboratory: TCC Microsoft

Type: RM-1078; Serial: 004402/47/868616/9

Communication System: TDD-LTE 2600 (Band 41)

Frequency: 2636.5 MHz; Duty Cycle: 1:1.58125

Medium: Body 2450 SAR4; Medium Notes: Medium Temperature: t=21.5C

Medium parameters used (interpolated): f = 2636.5 MHz; $\sigma = 2.197$ S/m; $\epsilon_r = 50.933$; $\rho = 1000$ kg/m³

Phantom section: Center Section

DASY Configuration:

- Probe: ES3DV3 - SN3280
- ConvF(3.99, 3.99, 3.99); Calibrated: 2014-03-20;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn887; Calibrated: 2014-03-31
- Phantom: SAR4 - TFP; Type: Not Specified; Serial: Not Specified
- Measurement SW: DASY52, Version 52.8 (5); SEMCAD X Version 14.6.8 (7028)

TDD-LTE2600 (Band 41)/Body - Mid-High - QPSK - 20MHz - 50%RB - 0% offset - Spacer 15mm - WH-108 - Back Facing Phantom – Antenna 2/Area Scan (101x181x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Reference Value = 2.001 V/m

Fast SAR: SAR(1 g) = 0.160 W/kg

Fast SAR(10 g) = 0.086 W/kg

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

TDD-LTE2600 (Band 41)/Body - Mid-High - QPSK - 20MHz - 50%RB - 0% offset - Spacer 15mm - WH-108 - Back Facing Phantom – Antenna 2/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

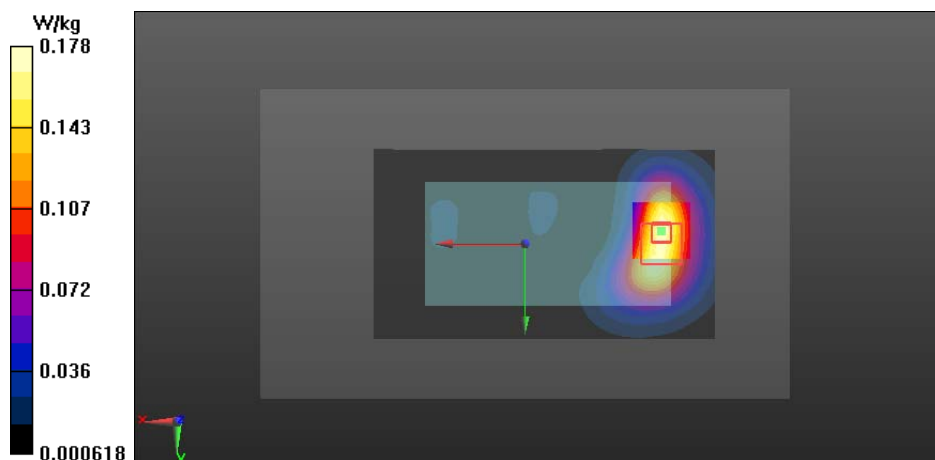
Reference Value = 2.001 V/m

Peak SAR (extrapolated) = 0.316 W/kg

SAR(1 g) = 0.162 W/kg

Maximum value of SAR (measured) = 0.178 W/kg

Power Drift = 0.07 dB



Plot26:

Date/Time: 2014-09-03 11:37:44 AM

Test Laboratory: TCC Microsoft

Type: RM-1078; Serial: 004402/47/868607/8

Communication System: WLAN2450

Frequency: 2462 MHz; Duty Cycle: 1:1

Medium: Body 2450 SAR4; Medium Notes: Medium Temperature: $t=21.8^{\circ}\text{C}$

Medium parameters used: $f = 2462 \text{ MHz}$; $\sigma = 1.947 \text{ S/m}$; $\epsilon_r = 50.805$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Center Section

DASY Configuration:

- Probe: ES3DV3 - SN3280
- ConvF(4.2, 4.2, 4.2); Calibrated: 2014-03-20;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn887; Calibrated: 2014-03-31
- Phantom: SAR4 - TFP; Type: Not Specified; Serial: Not Specified
- Measurement SW: DASY52, Version 52.8 (5); SEMCAD X Version 14.6.8 (7028)

WLAN2450 b-mode/Body - Channel 11 - BPSK 1 Mbps - Spacer 15mm - No Headset - Back Facing

Phantom/Area Scan (101x181x1): Interpolated grid: $dx=1.000 \text{ mm}$, $dy=1.000 \text{ mm}$

Reference Value = 5.077 V/m

Fast SAR: SAR(1 g) = 0.155 W/kg

Fast SAR(10 g) = 0.077 W/kg

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

WLAN2450 b-mode/Body - Channel 11 - BPSK 1 Mbps - Spacer 15mm - No Headset - Back Facing

Phantom/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

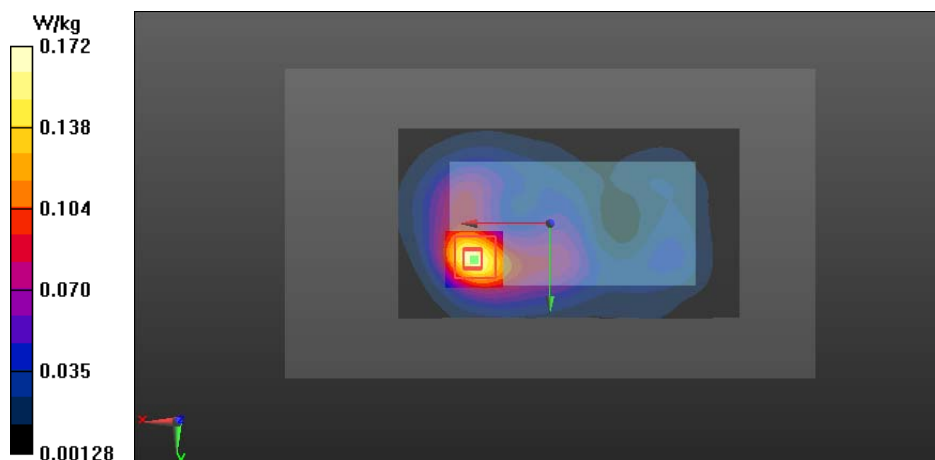
Reference Value = 5.077 V/m

Peak SAR (extrapolated) = 0.298 W/kg

SAR(1 g) = 0.156 W/kg

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

Power Drift = 0.08 dB



Plot27:

Date/Time: 2014-08-29 7:43:28 PM

Test Laboratory: TCC Microsoft

Type: RM-1078; Serial: 004402/47/868666/4

Communication System: CDMA800 (BC0)

Frequency: 836.52 MHz; Duty Cycle: 1:1

Medium: Body 835 SAR3; Medium Notes: Medium Temperature: $t=21.4$

Medium parameters used: $f = 837$ MHz; $\sigma = 0.963$ S/m; $\epsilon_r = 54.558$; $\rho = 1000$ kg/m³

Phantom section: Center Section

DASY Configuration:

- Probe: EX3DV4 - SN3838
- ConvF(8.97, 8.97, 8.97); Calibrated: 2014-03-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn710; Calibrated: 2014-03-24
- Phantom: SAR3 - TFP; Type: Not Specified; Serial: Not Specified
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.8 (7028)

CDMA800(BC0)/Body - Middle - RC3/S055 - Spacer 10mm - No Headset - Back Facing Phantom – Antenna

2/Area Scan (71x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Reference Value = 26.676 V/m

Fast SAR: SAR(1 g) = 0.753 W/kg

Fast SAR(10 g) = 0.537 W/kg

Maximum value of SAR (interpolated) = 0.794 W/kg

CDMA800(BC0)/Body - Middle - RC3/S055 - Spacer 10mm - No Headset - Back Facing Phantom – Antenna

2/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

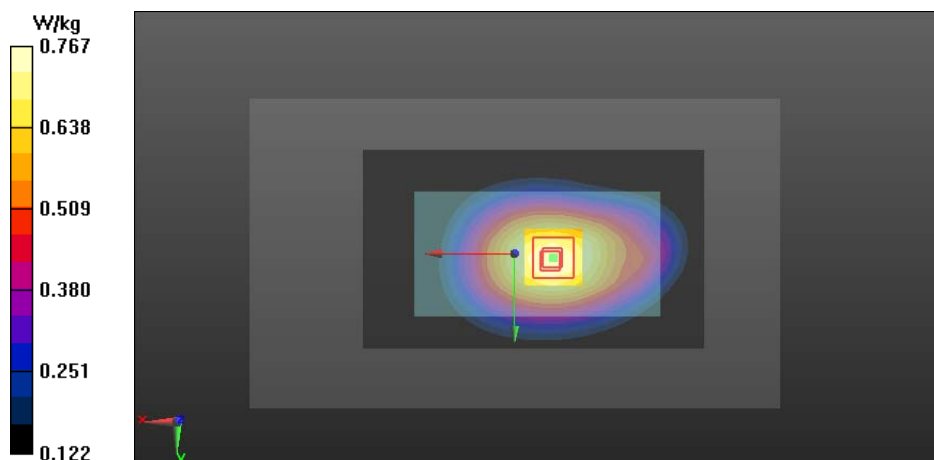
Reference Value = 26.676 V/m

Peak SAR (extrapolated) = 0.920 W/kg

SAR(1 g) = 0.733 W/kg

Maximum value of SAR (measured) = 0.767 W/kg

Power Drift = 0.02 dB



Plot28:

Date/Time: 2014-08-29 8:50:56 PM

Test Laboratory: TCC Microsoft

Type: RM-1078; Serial: 004402/47/868666/4

Communication System: CDMA800(BC10)

Frequency: 823.1 MHz; Duty Cycle: 1:1

Medium: Body 835 SAR3; Medium Notes: Medium Temperature: t=21.4

Medium parameters used (interpolated): f = 823.1 MHz; $\sigma = 0.949$ S/m; $\epsilon_r = 54.704$; $\rho = 1000$ kg/m³

Phantom section: Center Section

DASY Configuration:

- Probe: EX3DV4 - SN3838
- ConvF(8.97, 8.97, 8.97); Calibrated: 2014-03-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn710; Calibrated: 2014-03-24
- Phantom: SAR3 - TFP; Type: Not Specified; Serial: Not Specified
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.8 (7028)

CDMA800(BC10)/Body - High - RC3/S055 - Spacer 10mm - No Headset - Back Facing Phantom – Antenna 2/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 27.679 V/m

Fast SAR: SAR(1 g) = 0.762 W/kg

Fast SAR(10 g) = 0.545 W/kg

Maximum value of SAR (interpolated) = 0.804 W/kg

CDMA800(BC10)/Body - High - RC3/S055 - Spacer 10mm - No Headset - Back Facing Phantom – Antenna 2/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

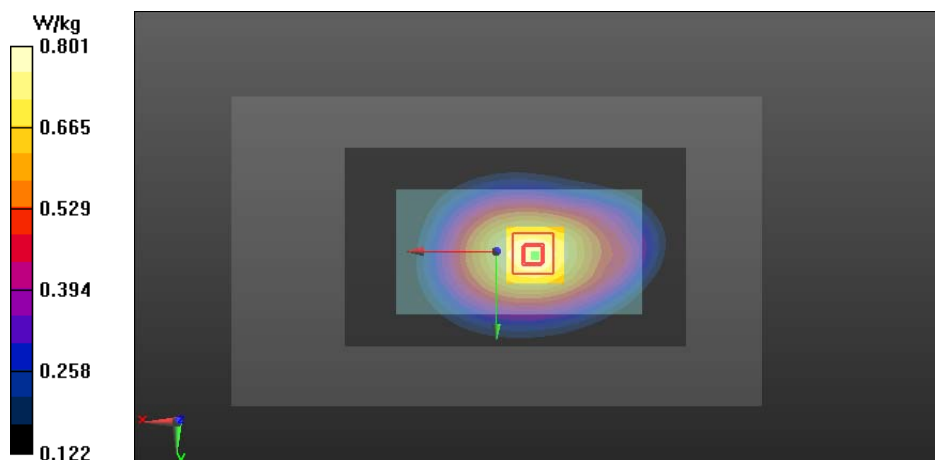
Reference Value = 27.679 V/m

Peak SAR (extrapolated) = 0.950 W/kg

SAR(1 g) = 0.764 W/kg

Maximum value of SAR (measured) = 0.801 W/kg

Power Drift = 0.02 dB



Plot29:

Date/Time: 2014-09-04 11:30:35 AM

Test Laboratory: TCC Microsoft

Type: RM-1078; Serial: 004402/47/868611/0

Communication System: 2-slot GPRS850

Frequency: 824.2 MHz; Duty Cycle: 1:4.19952

Medium: Body 835 SAR3; Medium Notes: Medium Temperature: t=21.6

Medium parameters used (interpolated): f = 824.2 MHz; σ = 0.941 S/m; ϵ_r = 54.131; ρ = 1000 kg/m³

Phantom section: Center Section

DASY Configuration:

- Probe: EX3DV4 - SN3838
- ConvF(8.97, 8.97, 8.97); Calibrated: 2014-03-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn710; Calibrated: 2014-03-24
- Phantom: SAR3 - TFP; Type: Not Specified; Serial: Not Specified
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.8 (7028)

2-slot GPRS850/Body - Low - Spacer 10mm - No Headset - Back Facing Phantom – Antenna 2/Area Scan

(71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 26.746 V/m

Fast SAR: SAR(1 g) = 0.684 W/kg

Fast SAR(10 g) = 0.487 W/kg

Maximum value of SAR (interpolated) = 0.720 W/kg

2-slot GPRS850/Body - Low - Spacer 10mm - No Headset - Back Facing Phantom – Antenna 2/Zoom Scan

(5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

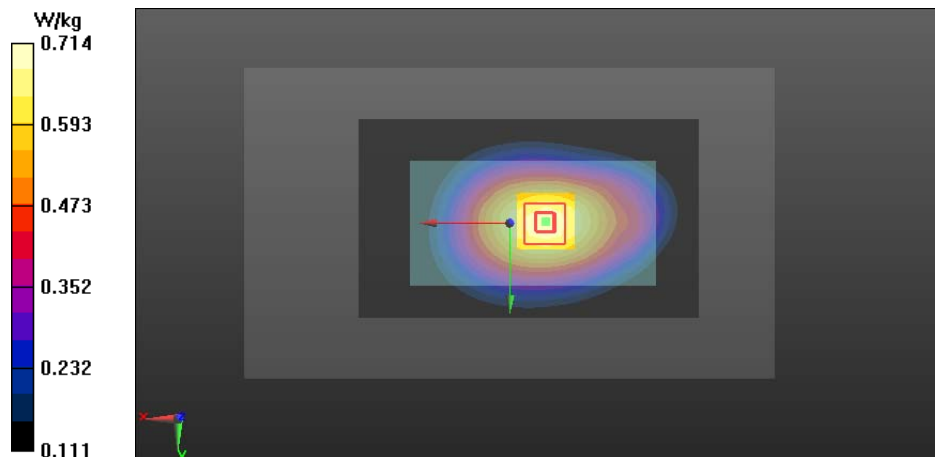
Reference Value = 26.746 V/m

Peak SAR (extrapolated) = 0.846 W/kg

SAR(1 g) = 0.679 W/kg

Maximum value of SAR (measured) = 0.714 W/kg

Power Drift = -0.04 dB



Plot30:

Date/Time: 2014-09-03 3:30:04 PM

Test Laboratory: TCC Microsoft

Type: RM-1078; Serial: 004402/47/868611/0

Communication System: WCDMA850 (Band 5)

Frequency: 826.4 MHz; Duty Cycle: 1:1

Medium: Body 835 SAR3; Medium Notes: Medium Temperature: $t=21.6$

Medium parameters used (interpolated): $f = 826.4$ MHz; $\sigma = 0.937$ S/m; $\epsilon_r = 54.346$; $\rho = 1000$ kg/m³

Phantom section: Center Section

DASY Configuration:

- Probe: EX3DV4 - SN3838
- ConvF(8.97, 8.97, 8.97); Calibrated: 2014-03-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn710; Calibrated: 2014-03-24
- Phantom: SAR3 - TFP; Type: Not Specified; Serial: Not Specified
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.8 (7028)

WCDMA850(Band 5)/Body - Low - Spacer 10mm - No Headset - Back Facing Phantom – Antenna 2/Area Scan (71x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Reference Value = 24.417 V/m

Fast SAR: SAR(1 g) = 0.599 W/kg

Fast SAR(10 g) = 0.428 W/kg

Maximum value of SAR (interpolated) = 0.632 W/kg

WCDMA850(Band 5)/Body - Low - Spacer 10mm - No Headset - Back Facing Phantom – Antenna 2/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

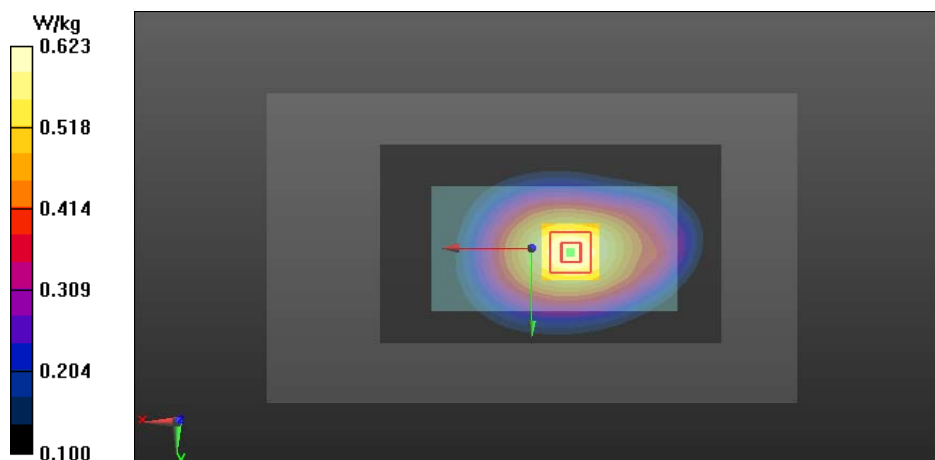
Reference Value = 24.417 V/m

Peak SAR (extrapolated) = 0.736 W/kg

SAR(1 g) = 0.596 W/kg

Maximum value of SAR (measured) = 0.623 W/kg

Power Drift = -0.00 dB



Plot31:

Date/Time: 2014-08-28 5:30:24 PM

Test Laboratory: TCC Microsoft

Type: RM-1078; Serial: 004402/47/868603/7

Communication System: LTE850(Band 26 Limited)

Frequency: 819 MHz; Duty Cycle: 1:1

Medium: Body 835 SAR3; Medium Notes: Medium Temperature: t=21.2

Medium parameters used: f = 819 MHz; $\sigma = 0.938$ S/m; $\epsilon_r = 54.074$; $\rho = 1000$ kg/m³

Phantom section: Center Section

DASY Configuration:

- Probe: EX3DV4 - SN3838
- ConvF(8.97, 8.97, 8.97); Calibrated: 2014-03-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn710; Calibrated: 2014-03-24
- Phantom: SAR3 - TFP; Type: Not Specified; Serial: Not Specified
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.8 (7028)

LTE850 (Band 26 Limited)/Body - Middle - QPSK - 10MHz - 1RB - 0% offset - Spacer 10mm - No Headset - Back Facing Phantom – Antenna 2/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 22.277 V/m

Fast SAR: SAR(1 g) = 0.480 W/kg

Fast SAR(10 g) = 0.344 W/kg

Maximum value of SAR (interpolated) = 0.506 W/kg

LTE850 (Band 26 Limited)/Body - Middle - QPSK - 10MHz - 1RB - 0% offset - Spacer 10mm - No Headset - Back Facing Phantom – Antenna 2/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

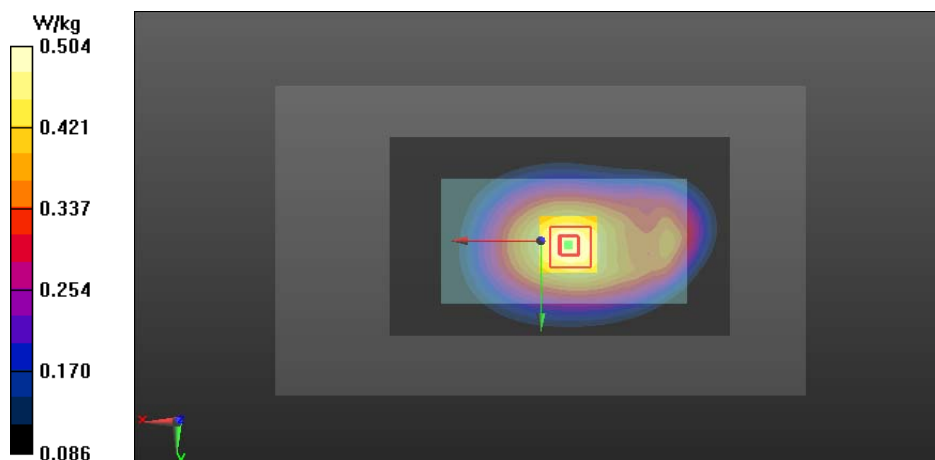
Reference Value = 22.277 V/m

Peak SAR (extrapolated) = 0.591 W/kg

SAR(1 g) = 0.480 W/kg

Maximum value of SAR (measured) = 0.504 W/kg

Power Drift = 0.02 dB



Plot32:

Date/Time: 2014-08-28 2:52:33 PM

Test Laboratory: TCC Microsoft

Type: RM-1078; Serial: 004402/47/868603/7

Communication System: LTE850(Band 26)

Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: Body 835 SAR3; Medium Notes: Medium Temperature: t=21.2

Medium parameters used (interpolated): f = 836.5 MHz; $\sigma = 0.951$ S/m; $\epsilon_r = 53.886$; $\rho = 1000$ kg/m³

Phantom section: Center Section

DASY Configuration:

- Probe: EX3DV4 - SN3838
- ConvF(8.97, 8.97, 8.97); Calibrated: 2014-03-21;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn710; Calibrated: 2014-03-24
- Phantom: SAR3 - TFP; Type: Not Specified; Serial: Not Specified
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.8 (7028)

LTE850 (Band 26)/Body - Middle - QPSK - 15MHz - 1RB - 50% offset - Spacer 10mm - No Headset - Bottom

Facing Phantom – Antenna 2/Area Scan (31x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 20.252 V/m

Fast SAR: SAR(1 g) = 0.376 W/kg

Fast SAR(10 g) = 0.240 W/kg

Maximum value of SAR (interpolated) = 0.414 W/kg

LTE850 (Band 26)/Body - Middle - QPSK - 15MHz - 1RB - 50% offset - Spacer 10mm - No Headset - Bottom

Facing Phantom – Antenna 2/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

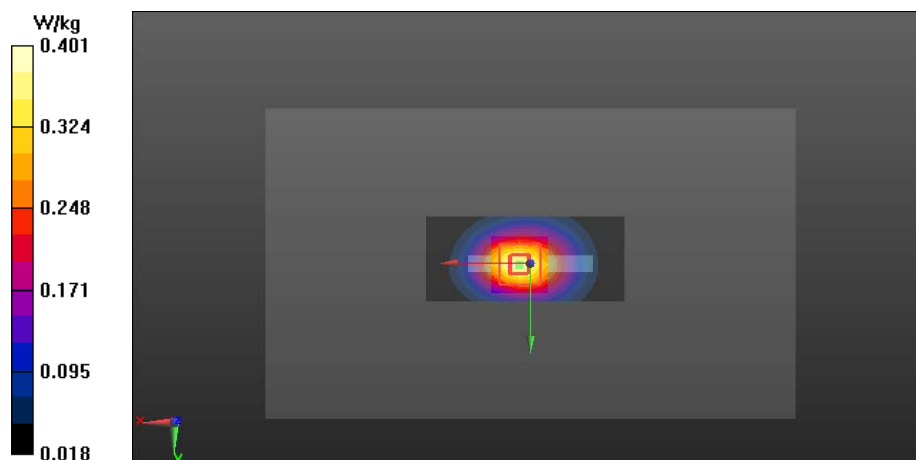
Reference Value = 20.252 V/m

Peak SAR (extrapolated) = 0.595 W/kg

SAR(1 g) = 0.364 W/kg

Maximum value of SAR (measured) = 0.401 W/kg

Power Drift = 0.02 dB



Plot33:

Date/Time: 2014-09-03 11:11:44 AM

Test Laboratory: TCC Microsoft

Type: RM-1078; Serial: 004402/47/868676/3

Communication System: CDMA1900

Frequency: 1908.75 MHz; Duty Cycle: 1:1

Medium: Body 1900 SAR1; Medium Notes: Medium Temperature: t=21.2C

Medium parameters used: f = 1909 MHz; $\sigma = 1.51$ S/m; $\epsilon_r = 50.722$; $\rho = 1000$ kg/m³

Phantom section: Center Section

DASY Configuration:

- Probe: ES3DV3 - SN3195
- ConvF(4.64, 4.64, 4.64); Calibrated: 2014-03-20;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1324; Calibrated: 2014-03-12
- Phantom: SAR1 - TFP; Type: Not Specified; Serial: Not Specified
- Measurement SW: DASY52, Version 52.8 (5); SEMCAD X Version 14.6.8 (7028)

CDMA1900(BC1)/Body - High - RC3/S055 - Spacer 10mm - No Headset - Display Facing Phantom – Antenna 1/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 6.645 V/m

Fast SAR: SAR(1 g) = 1.06 W/kg

Fast SAR(10 g) = 0.620 W/kg

Maximum value of SAR (interpolated) = 1.18 W/kg

CDMA1900(BC1)/Body - High - RC3/S055 - Spacer 10mm - No Headset - Display Facing Phantom – Antenna 1/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

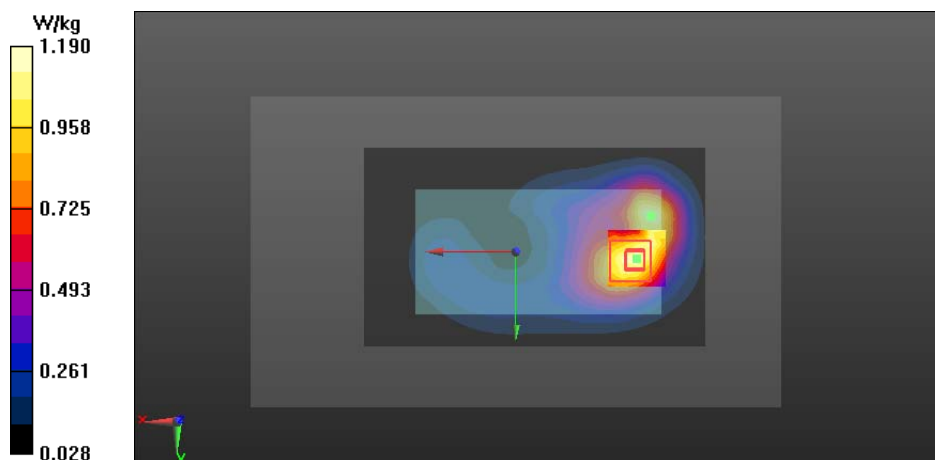
Reference Value = 6.645 V/m

Peak SAR (extrapolated) = 1.75 W/kg

SAR(1 g) = 1.1 W/kg

Maximum value of SAR (measured) = 1.19 W/kg

Power Drift = 0.06 dB



Plot34:

Date/Time: 2014-09-05 10:59:49 AM

Test Laboratory: TCC Microsoft

Type: RM-1078; Serial: 004402/47/868599/7

Communication System: 4-slot GPRS1900

Frequency: 1850.2 MHz; Duty Cycle: 1:2.09991

Medium: Body 1900 SAR1; Medium Notes: Medium Temperature: $t=21.2^{\circ}\text{C}$

Medium parameters used (interpolated): $f = 1850.2 \text{ MHz}$; $\sigma = 1.438 \text{ S/m}$; $\epsilon_r = 50.825$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Center Section

DASY Configuration:

- Probe: ES3DV3 - SN3195
- ConvF(4.64, 4.64, 4.64); Calibrated: 2014-03-20;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1324; Calibrated: 2014-03-12
- Phantom: SAR1 - TFP; Type: Not Specified; Serial: Not Specified
- Measurement SW: DASY52, Version 52.8 (5); SEMCAD X Version 14.6.8 (7028)

4-slot GPRS1900/Body - Low - Spacer 10mm - No Headset - Display Facing Phantom – Antenna 1/Area Scan (71x121x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Reference Value = 7.324 V/m

Fast SAR: SAR(1 g) = 0.777 W/kg

Fast SAR(10 g) = 0.465 W/kg

Maximum value of SAR (interpolated) = 0.863 W/kg

4-slot GPRS1900/Body - Low - Spacer 10mm - No Headset - Display Facing Phantom – Antenna 1/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

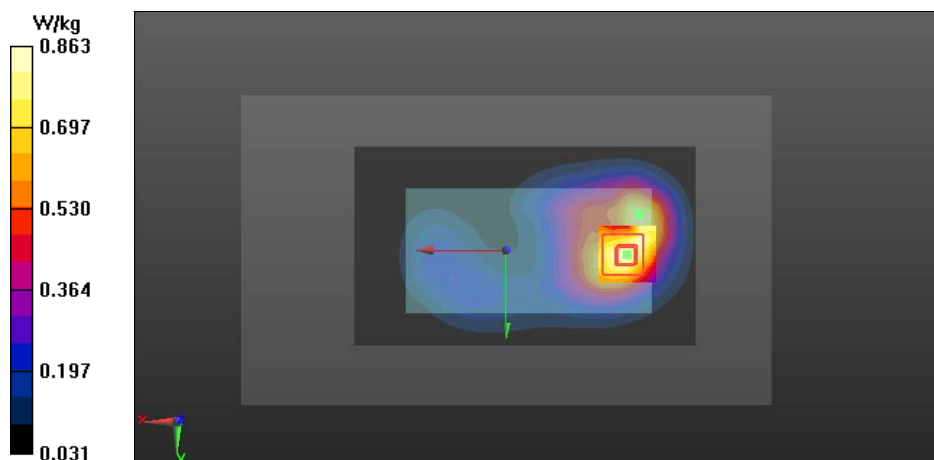
Reference Value = 7.324 V/m

Peak SAR (extrapolated) = 1.23 W/kg

SAR(1 g) = 0.797 W/kg

Maximum value of SAR (measured) = 0.863 W/kg

Power Drift = 0.04 dB



Plot35:

Date/Time: 2014-09-04 2:35:46 PM

Test Laboratory: TCC Microsoft

Type: RM-1078; Serial: 004402/47/868619/3

Communication System: WCDMA1900 (Band 2)

Frequency: 1852.4 MHz; Duty Cycle: 1:1

Medium: Body 1900 SAR1; Medium Notes: Medium Temperature: $t=21.2^{\circ}\text{C}$

Medium parameters used (interpolated): $f = 1852.4\text{ MHz}$; $\sigma = 1.448\text{ S/m}$; $\epsilon_r = 50.983$; $\rho = 1000\text{ kg/m}^3$

Phantom section: Center Section

DASY Configuration:

- Probe: ES3DV3 - SN3195
- ConvF(4.64, 4.64, 4.64); Calibrated: 2014-03-20;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1324; Calibrated: 2014-03-12
- Phantom: SAR1 - TFP; Type: Not Specified; Serial: Not Specified
- Measurement SW: DASY52, Version 52.8 (5); SEMCAD X Version 14.6.8 (7028)

WCDMA1900 (Band 2)/Body - Low - Spacer 10mm - No Headset - Back Facing Phantom – Antenna 2/Area Scan (71x121x1): Interpolated grid: $dx=1.500\text{ mm}$, $dy=1.500\text{ mm}$

Reference Value = 5.445 V/m

Fast SAR: SAR(1 g) = 0.448 W/kg

Fast SAR(10 g) = 0.254 W/kg

Maximum value of SAR (interpolated) = 0.525 W/kg

WCDMA1900 (Band 2)/Body - Low - Spacer 10mm - No Headset - Back Facing Phantom – Antenna 2/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

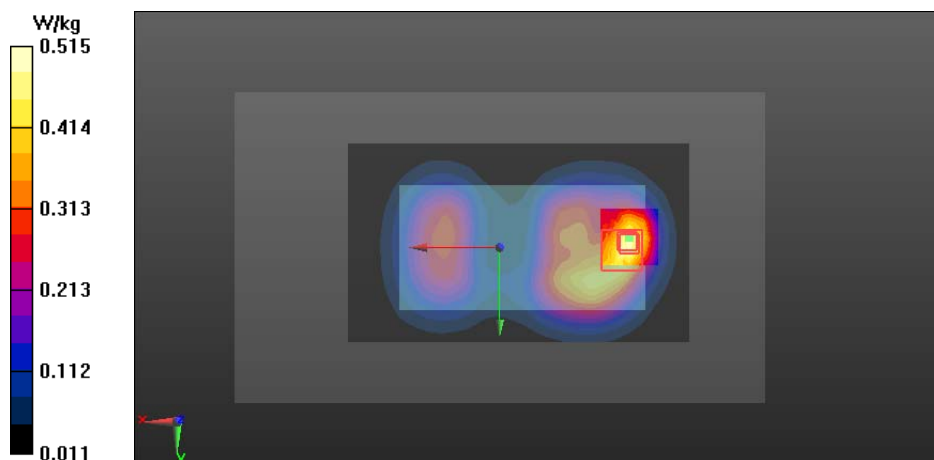
Reference Value = 5.445 V/m

Peak SAR (extrapolated) = 0.834 W/kg

SAR(1 g) = 0.466 W/kg

Maximum value of SAR (measured) = 0.515 W/kg

Power Drift = -0.05 dB



Plot36:

Date/Time: 2014-08-28 1:54:35 PM

Test Laboratory: TCC Microsoft

Type: RM-1078; Serial: 004402/47/868599/7

Communication System: LTE1900(Band 25)

Frequency: 1882.5 MHz; Duty Cycle: 1:1

Medium: Body 1900 SAR1; Medium Notes: Medium Temperature: $t=21.2^{\circ}\text{C}$

Medium parameters used (interpolated): $f = 1882.5\text{ MHz}$; $\sigma = 1.517\text{ S/m}$; $\epsilon_r = 51.766$; $\rho = 1000\text{ kg/m}^3$

Phantom section: Center Section

DASY Configuration:

- Probe: ES3DV3 - SN3195
- ConvF(4.64, 4.64, 4.64); Calibrated: 2014-03-20;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1324; Calibrated: 2014-03-12
- Phantom: SAR1 - TFP; Type: Not Specified; Serial: : Not Specified
- Measurement SW: DASY52, Version 52.8 (5); SEMCAD X Version 14.6.8 (7028)

LTE1900 (Band 25)/Body - Middle - QPSK - 20MHz - 1RB - 50% offset - Spacer 10mm - No Headset -Display

Facing Phantom – Antenna 1/Area Scan (71x121x1): Interpolated grid: $dx=1.500\text{ mm}$, $dy=1.500\text{ mm}$

Reference Value = 7.702 V/m

Fast SAR: SAR(1 g) = 1.08 W/kg

Fast SAR(10 g) = 0.646 W/kg

Maximum value of SAR (interpolated) = 1.25 W/kg

LTE1900 (Band 25)/Body - Middle - QPSK - 20MHz - 1RB - 50% offset - Spacer 10mm - No Headset -Display

Facing Phantom – Antenna 1/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{ mm}$, $dy=7.5\text{ mm}$, $dz=5\text{ mm}$

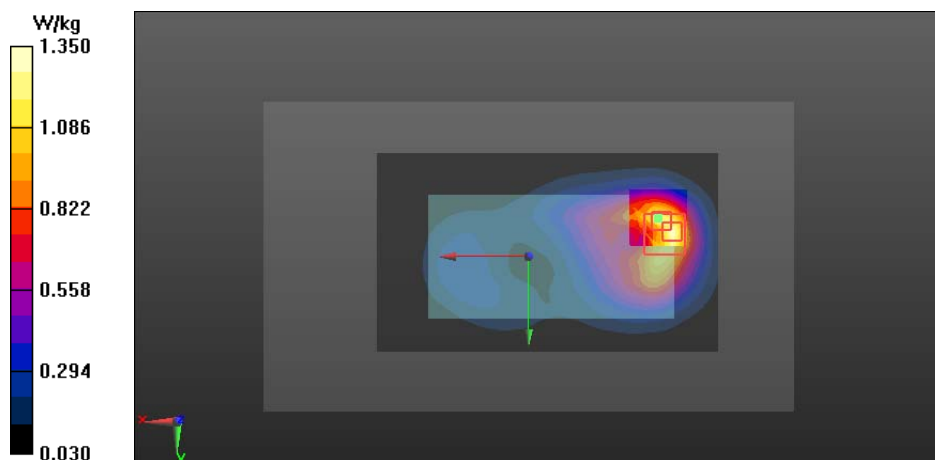
Reference Value = 7.702 V/m

Peak SAR (extrapolated) = 1.99 W/kg

SAR(1 g) = 1.18 W/kg

Maximum value of SAR (measured) = 1.35 W/kg

Power Drift = -0.00 dB



Plot37:

Date/Time: 2014-09-04 2:06:03 PM

Test Laboratory: TCC Microsoft

Type: RM-1078; Serial: 004402/47/868616/9

Communication System: TDD-LTE 2600 (Band 41)

Frequency: 2636.5 MHz; Duty Cycle: 1:1.58125

Medium: Body 2450 SAR4; Medium Notes: Medium Temperature: t=21.5C

Medium parameters used (interpolated): f = 2636.5 MHz; $\sigma = 2.197$ S/m; $\epsilon_r = 50.933$; $\rho = 1000$ kg/m³

Phantom section: Center Section

DASY Configuration:

- Probe: ES3DV3 - SN3280
- ConvF(3.99, 3.99, 3.99); Calibrated: 2014-03-20;
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn887; Calibrated: 2014-03-31
- Phantom: SAR4 - TFP; Type: Not Specified; Serial: Not Specified
- Measurement SW: DASY52, Version 52.8 (5); SEMCAD X Version 14.6.8 (7028)

TDD-LTE2600 (Band 41)/Body - Mid-High - QPSK - 20MHz - 50%RB - 0% offset - Spacer 10mm - No Headset - Bottom Facing Phantom – Antenna 2/Area Scan (51x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Reference Value = 17.791 V/m

Fast SAR: SAR(1 g) = 0.652 W/kg

Fast SAR(10 g) = 0.337 W/kg

Maximum value of SAR (interpolated) = 0.734 W/kgS

TDD-LTE2600 (Band 41)/Body - Mid-High - QPSK - 20MHz - 50%RB - 0% offset - Spacer 10mm - No Headset - Bottom Facing Phantom – Antenna 2/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

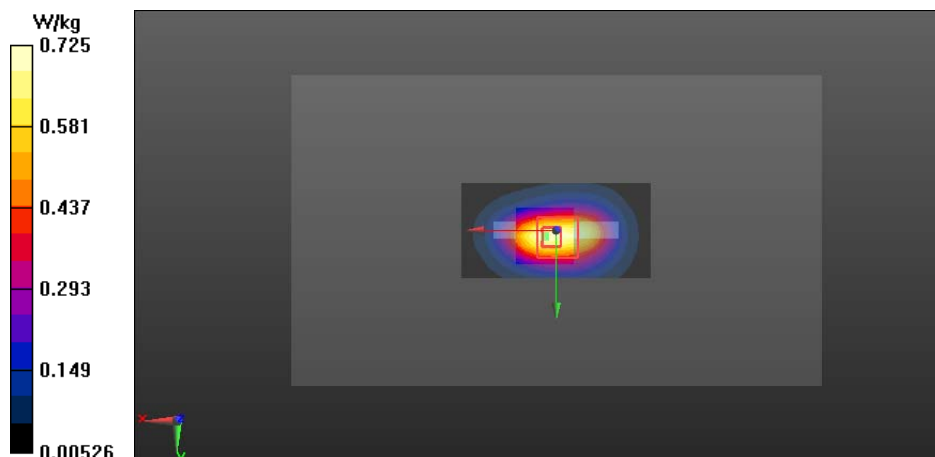
Reference Value = 17.791 V/m

Peak SAR (extrapolated) = 1.31 W/kg

SAR(1 g) = 0.656 W/kg

Maximum value of SAR (measured) = 0.725 W/kg

Power Drift = -0.03 dB



Plot38:

Date/Time: 2014-09-03 3:52:44 PM

Test Laboratory: TCC Microsoft

Type: RM-1078; Serial: 004402/47/868607/8

Communication System: WLAN2450

Frequency: 2462 MHz; Duty Cycle: 1:1

Medium: Body 2450 SAR4; Medium Notes: Medium Temperature: $t=21.8^{\circ}\text{C}$

Medium parameters used: $f = 2462 \text{ MHz}$; $\sigma = 1.947 \text{ S/m}$; $\epsilon_r = 50.805$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Center Section

DASY Configuration:

- Probe: ES3DV3 - SN3280
- ConvF(4.2, 4.2, 4.2); Calibrated: 2014-03-20;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn887; Calibrated: 2014-03-31
- Phantom: SAR4 - TFP; Type: Not Specified; Serial: Not Specified
- Measurement SW: DASY52, Version 52.8 (5); SEMCAD X Version 14.6.8 (7028)

WLAN 2450 b-mode/Body - Channel 11 - BPSK 1 Mbps - Spacer 10mm - No Headset - Back Facing

Phantom/Area Scan (101x181x1): Interpolated grid: $dx=1.000 \text{ mm}$, $dy=1.000 \text{ mm}$

Reference Value = 6.902 V/m

Fast SAR: SAR(1 g) = 0.329 W/kg

Fast SAR(10 g) = 0.155 W/kg

Maximum value of SAR (interpolated) = 0.381 W/kg

WLAN 2450 b-mode/Body - Channel 11 - BPSK 1 Mbps - Spacer 10mm - No Headset - Back Facing

Phantom/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 6.902 V/m

Peak SAR (extrapolated) = 0.689 W/kg

SAR(1 g) = 0.335 W/kg

Maximum value of SAR (measured) = 0.376 W/kg

Power Drift = -0.00 dB

