

APPENDIX B: MEASUREMENT SCANS

Plot H1:

Date/Time: 2015-06-05 11:39:34

Test Laboratory: TCC Microsoft

Type: RM-1135, HW:0240; Serial: 004402/74/172364/1

Communication System: GSM850

Frequency: 848.8 MHz; Duty Cycle: 1:8.30042

Medium: Head 835 SAR1; Medium Notes: Medium Temperature: t=20.5

Medium parameters used: f = 849 MHz; $\sigma = 0.91$ S/m; $\epsilon_r = 41.713$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN3839
- ConvF(8.88, 8.88, 8.88); Calibrated: 2014-09-15;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn860; Calibrated: 2014-09-09
- Phantom: SAR1 - SAM1; Type: TP - 01097; Serial: Not Specified
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

GSM850 - Left/Cheek - CH 251 Repeated/Area Scan (51x91x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 34.87 V/m

Fast SAR: SAR(1 g) = 0.974 W/kg

Fast SAR(10 g) = 0.665 W/kg

Maximum value of SAR (interpolated) = 1.11 W/kg

GSM850 - Left/Cheek - CH 251 Repeated/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 34.87 V/m

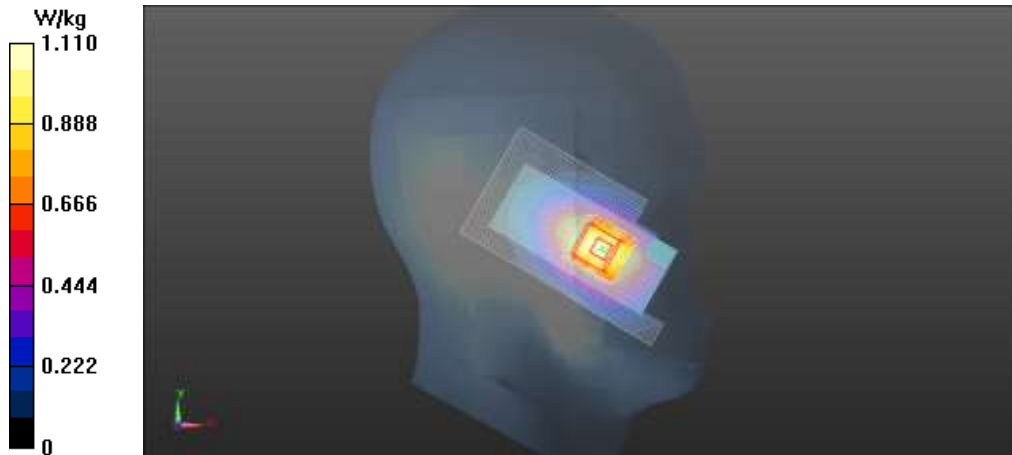
Peak SAR (extrapolated) = 1.27 W/kg

SAR(1 g) = 0.966 W/kg

SAR(10 g) = 0.684 W/kg

Power Drift = -0.12 dB

Maximum value of SAR (measured) = 1.09 W/kg



Plot H2:

Date/Time: 2015-06-03 11:42:44

Test Laboratory: TCC Microsoft

Type: RM-1135, HW:0240; Serial: 004402/74/172221/3

Communication System: GSM1900

Frequency: 1880 MHz; Duty Cycle: 1:8.30042

Medium: Head 1900 SAR4; Medium Notes: Medium Temperature: t=21.0 C

Medium parameters used: f = 1880 MHz; $\sigma = 1.369$ S/m; $\epsilon_r = 38.904$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3574
- ConvF(7.83, 7.83, 7.83); Calibrated: 2014-09-24;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn480; Calibrated: 2014-09-18
- Phantom: SAR4 - SAM1; Type: QD000 P40 CA; Serial: TP - 1274
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

GSM 1900 - Right/Cheek - CH 661/Area Scan (51x91x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 28.69 V/m

Fast SAR: SAR(1 g) = 0.984 W/kg

Fast SAR(10 g) = 0.590 W/kg

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

GSM 1900 - Right/Cheek - CH 661/Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 28.69 V/m

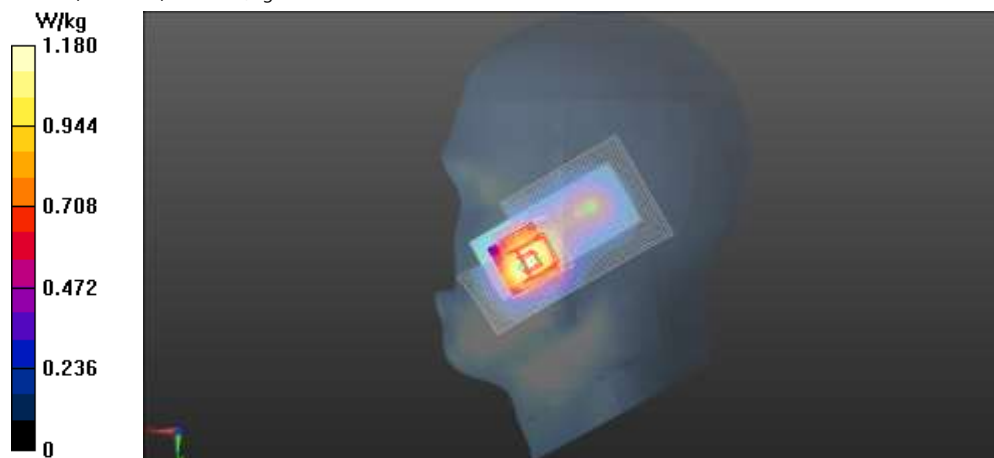
Peak SAR (extrapolated) = 1.55 W/kg

SAR(1 g) = 0.957 W/kg

SAR(10 g) = 0.596 W/kg

Power Drift = 0.01 dB

Maximum value of SAR (measured) = 1.13 W/kg



Plot B1:

Date/Time: 2015-06-03 14:39:48

Test Laboratory: TCC Microsoft

Type: RM-1135, HW:0240; Serial: 004402/74/172364/1

Communication System: GSM850

Frequency: 848.8 MHz; Duty Cycle: 1:8.30042

Medium: Body 835 SAR1; Medium Notes: Medium Temperature: t=21.1

Medium parameters used: f = 849 MHz; $\sigma = 0.955$ S/m; $\epsilon_r = 53.249$; $\rho = 1000$ kg/m³

Phantom section: Center Section

DASY Configuration:

- Probe: EX3DV4 - SN3839
- ConvF(8.84, 8.84, 8.84); Calibrated: 2014-09-15;
- Sensor-Surface: 3mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn860; Calibrated: 2014-09-09
- Phantom: SAR1 - TFP; Type: QD 000 P51 CA; Serial: 1125/1
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

GSM850 - Left/Body - CH 251 - 15 mm - No Headset - Display/Area Scan (51x91x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 20.20 V/m

Fast SAR: SAR(1 g) = 0.403 W/kg

Fast SAR(10 g) = 0.279 W/kg

Maximum value of SAR (interpolated) = 0.458 W/kg

GSM850 - Left/Body - CH 251 - 15 mm - No Headset - Display/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

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

Reference Value = 20.20 V/m

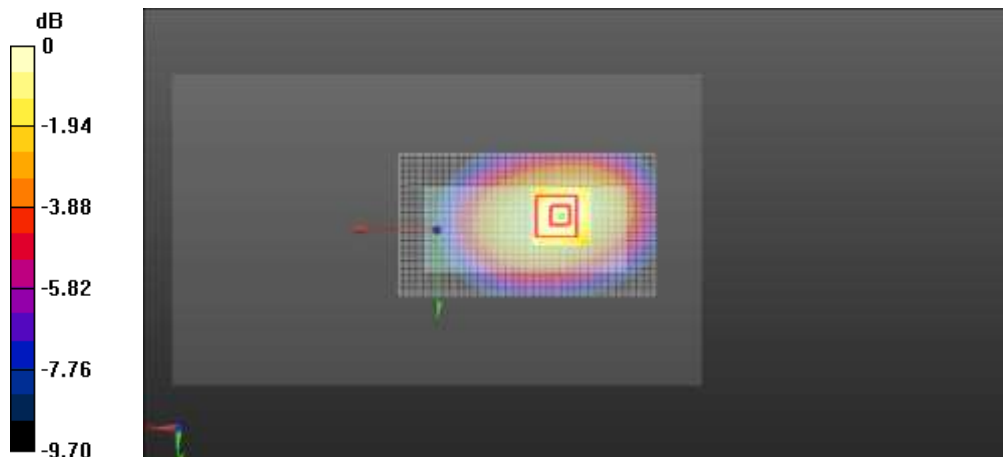
Peak SAR (extrapolated) = 0.540 W/kg

SAR(1 g) = 0.403 W/kg

SAR(10 g) = 0.288 W/kg

Power Drift = -0.01 dB

Maximum value of SAR (measured) = 0.455 W/kg



Plot B2:

Date/Time: 2015-06-03 16:13:48

Test Laboratory: TCC Microsoft

Type: RM-1135, HW:0240; Serial: 004402/74/172221/3

Communication System: GSM1900

Frequency: 1909.8 MHz; Duty Cycle: 1:8.30042

Medium: Body 1900 SAR4; Medium Notes: Medium Temperature: $t=21.0$ C

Medium parameters used: $f = 1910$ MHz; $\sigma = 1.503$ S/m; $\epsilon_r = 52.622$; $\rho = 1000$ kg/m³

Phantom section: Center Section

DASY Configuration:

- Probe: EX3DV4 - SN3574
- ConvF(7.41, 7.41, 7.41); Calibrated: 2014-09-24;
- Sensor-Surface: 3mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn480; Calibrated: 2014-09-18
- Phantom: SAR4 - TFP; Type: QD000 P51 CA; Serial: S/N 1148/1
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

GSM 1900/Body - CH 810 - 15 mm - No Headset - Display/Area Scan (51x91x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Reference Value = 11.37 V/m

Fast SAR: SAR(1 g) = 0.314 W/kg

Fast SAR(10 g) = 0.181 W/kg

Maximum value of SAR (interpolated) = 0.380 W/kg

GSM 1900/Body - CH 810 - 15 mm - No Headset - Display/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

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

Reference Value = 11.37 V/m

Peak SAR (extrapolated) = 0.485 W/kg

SAR(1 g) = 0.304 W/kg

SAR(10 g) = 0.184 W/kg

Power Drift = 0.04 dB

Maximum value of SAR (measured) = 0.361 W/kg

