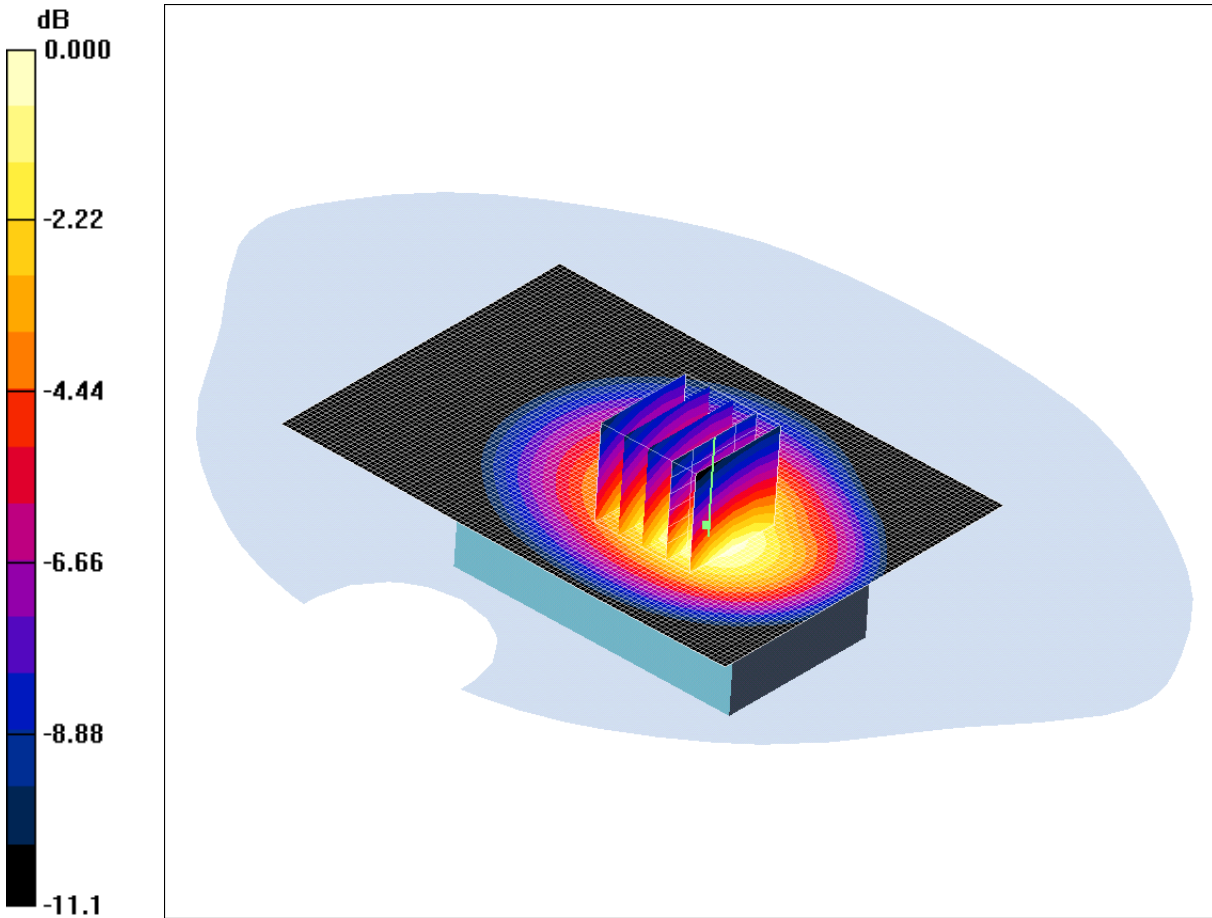


SCN/81152JD01/020: Rear of EUT Facing Phantom GSM CH128

Date 23/03/2011

DUT: Sony Ericsson Fengli; Type: Fengli CK15a; Serial: WUJ2331C18; IMEI: 004402142120637



0 dB = 0.824mW/g

Communication System: 850 MHz; Frequency: 824.2 MHz; Duty Cycle: 1:8.3

Medium: 900 MHz MSL Medium parameters used (interpolated): $f = 824.2$ MHz; $\sigma = 1.02$ mho/m; $\epsilon_r = 54.5$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3508; ConvF(10.54, 10.54, 10.54); Calibrated: 15/02/2011

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

- Electronics: DAE3 Sn450; Calibrated: 09/02/2011

- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Rear of EUT Facing Phantom - Low/Area Scan (71x101x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.832 mW/g

Rear of EUT Facing Phantom - Low/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.1 V/m; Power Drift = 0.117 dB

Peak SAR (extrapolated) = 1.14 W/kg

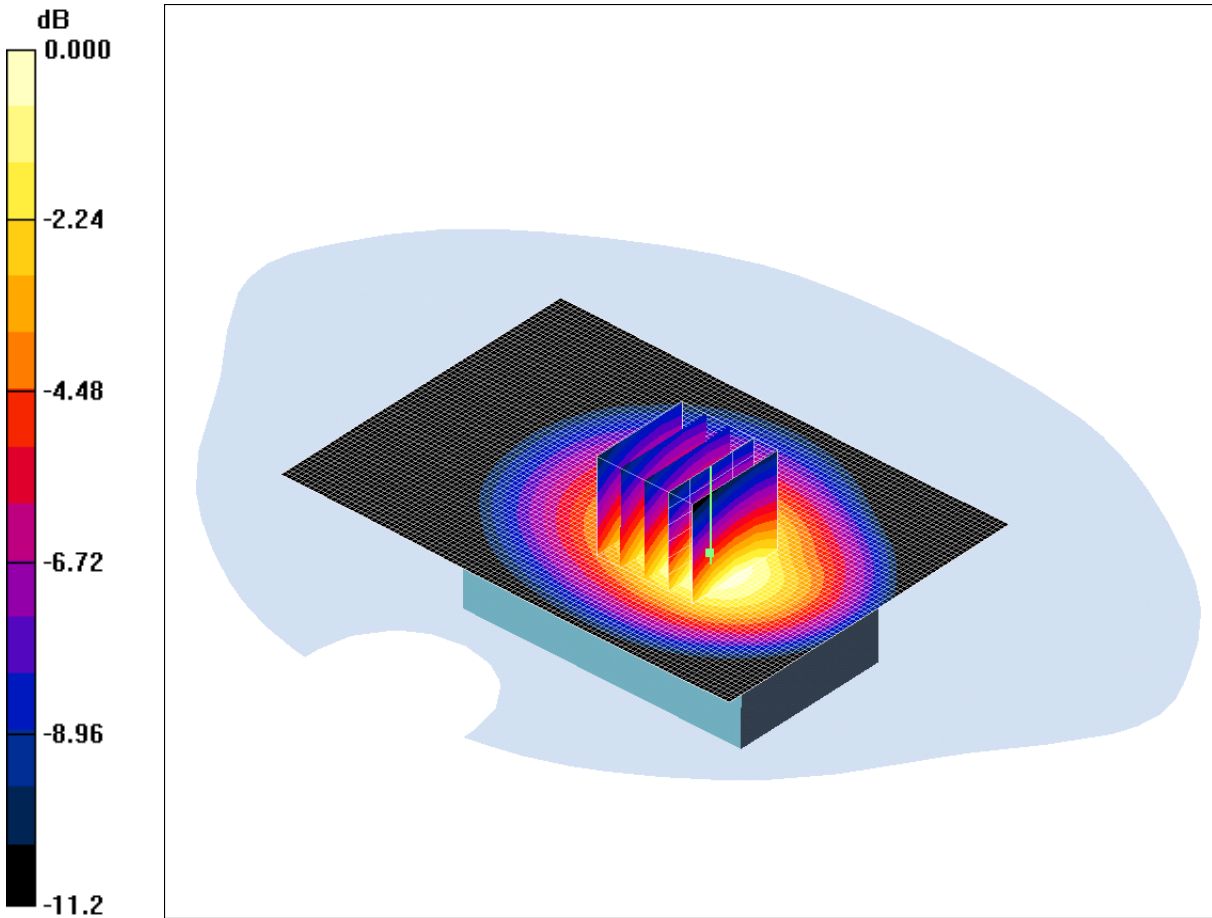
SAR(1 g) = 0.782 mW/g; SAR(10 g) = 0.526 mW/g

Maximum value of SAR (measured) = 0.824 mW/g

SCN/81152JD01/021: Rear of EUT Facing Phantom GSM CH251

Date 23/03/2011

DUT: Sony Ericsson Fengli; Type: Fengli CK15a; Serial: WUJ2331C18; IMEI: 004402142120637



0 dB = 0.999mW/g

Communication System: 850 MHz; Frequency: 848.8 MHz; Duty Cycle: 1:8.3

Medium: 900 MHz MSL Medium parameters used (interpolated): $f = 848.8$ MHz; $\sigma = 1.03$ mho/m; $\epsilon_r = 54.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3508; ConvF(10.54, 10.54, 10.54); Calibrated: 15/02/2011

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

- Electronics: DAE3 Sn450; Calibrated: 09/02/2011

- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Rear of EUT Facing Phantom - High/Area Scan (71x101x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.01 mW/g

Rear of EUT Facing Phantom - High/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 24.7 V/m; Power Drift = -0.050 dB

Peak SAR (extrapolated) = 1.36 W/kg

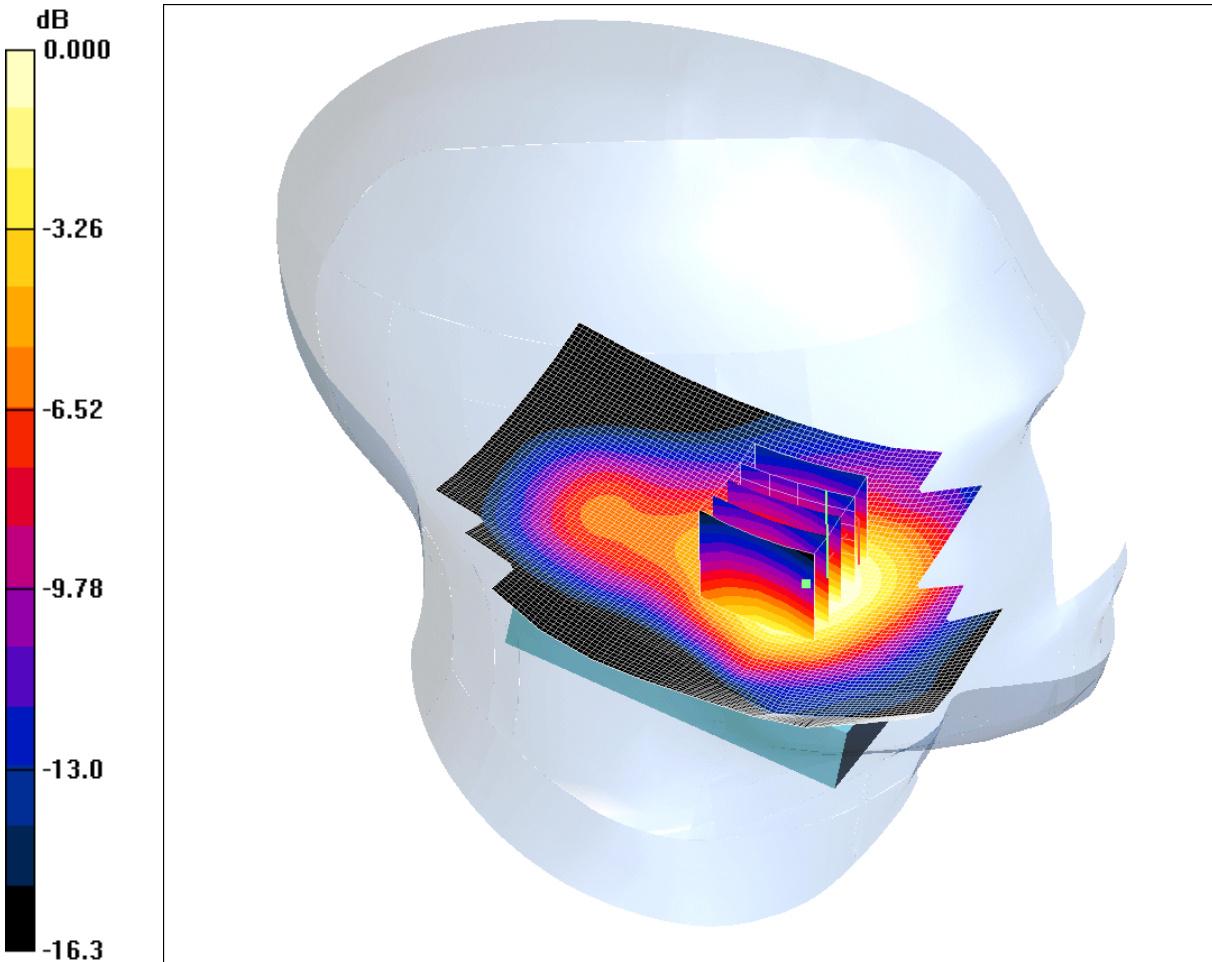
SAR(1 g) = 0.937 mW/g; SAR(10 g) = 0.628 mW/g

Maximum value of SAR (measured) = 0.999 mW/g

SCN/81152JD01/022: Touch Left PCS CH660

Date 17/03/2011

DUT: Sony Ericsson Fengli; Type: Fengli CK15a; Serial: WUJ2331C16; IMEI: 04402142120611



0 dB = 0.764mW/g

Communication System: PCS 1900; Frequency: 1879.8 MHz; Duty Cycle: 1:8.3

Medium: 1900 MHz HSL Medium parameters used (interpolated): $f = 1879.8$ MHz; $\sigma = 1.44$ mho/m; $\epsilon_r = 39.1$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3508; ConvF(8.83, 8.83, 8.83); Calibrated: 15/02/2011

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

- Electronics: DAE3 Sn450; Calibrated: 09/02/2011

- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Touch Left - Middle/Area Scan (81x101x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.808 mW/g

Touch Left - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.9 V/m; Power Drift = 0.238 dB

Peak SAR (extrapolated) = 1.11 W/kg

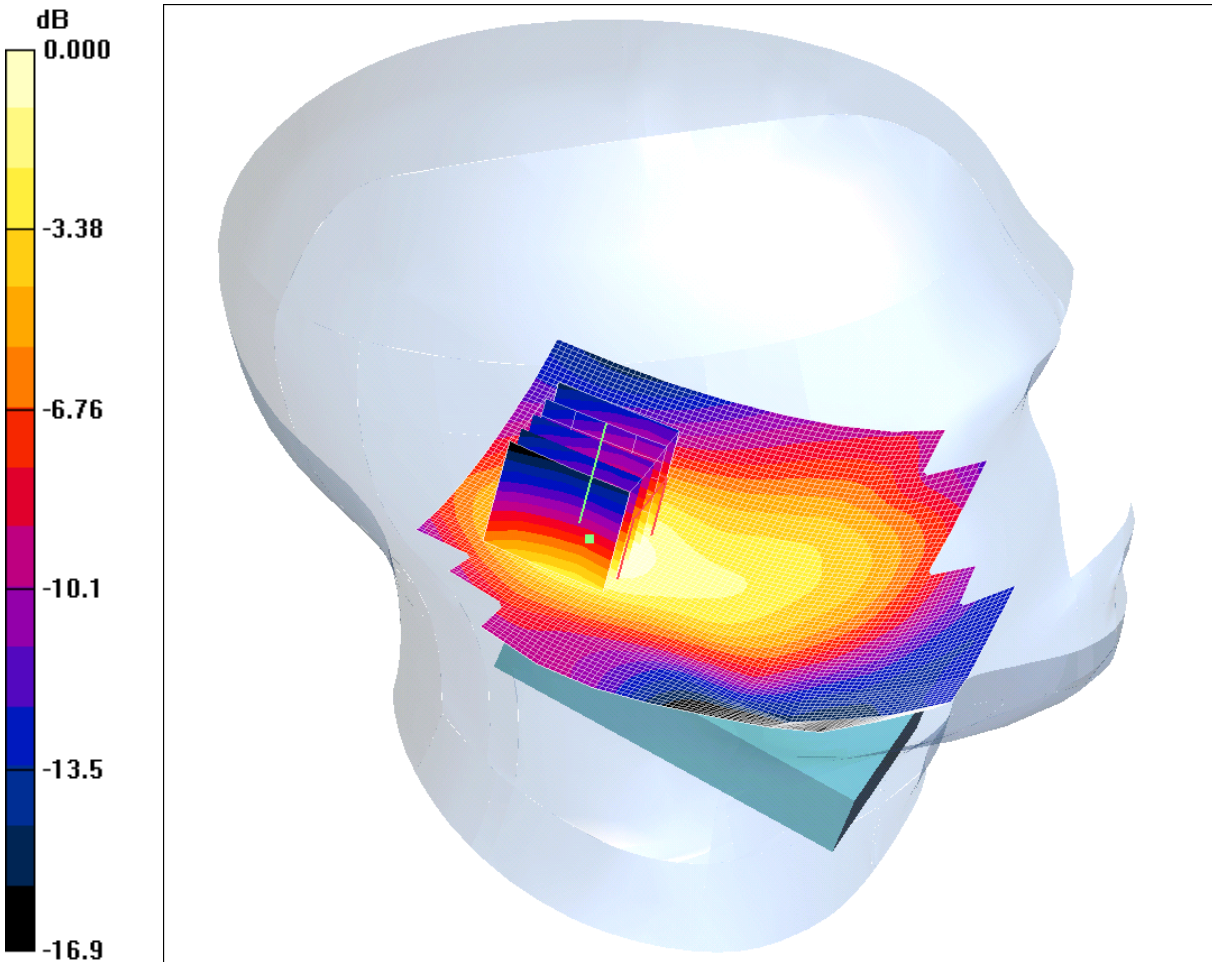
SAR(1 g) = 0.705 mW/g; SAR(10 g) = 0.438 mW/g

Maximum value of SAR (measured) = 0.764 mW/g

SCN/81152JD01/023: Tilt Left PCS CH660

Date 17/03/2011

DUT: Sony Ericsson Fengli; Type: Fengli CK15a; Serial: WUJ2331C16; IMEI: 04402142120611



0 dB = 0.245mW/g

Communication System: PCS 1900; Frequency: 1879.8 MHz; Duty Cycle: 1:8.3

Medium: 1900 MHz HSL Medium parameters used (interpolated): $f = 1879.8$ MHz; $\sigma = 1.44$ mho/m; $\epsilon_r = 39.1$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3508; ConvF(8.83, 8.83, 8.83); Calibrated: 15/02/2011

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

- Electronics: DAE3 Sn450; Calibrated: 09/02/2011

- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Tilt Left - Middle/Area Scan (81x101x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.266 mW/g

Tilt Left - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.1 V/m; Power Drift = 0.043 dB

Peak SAR (extrapolated) = 0.371 W/kg

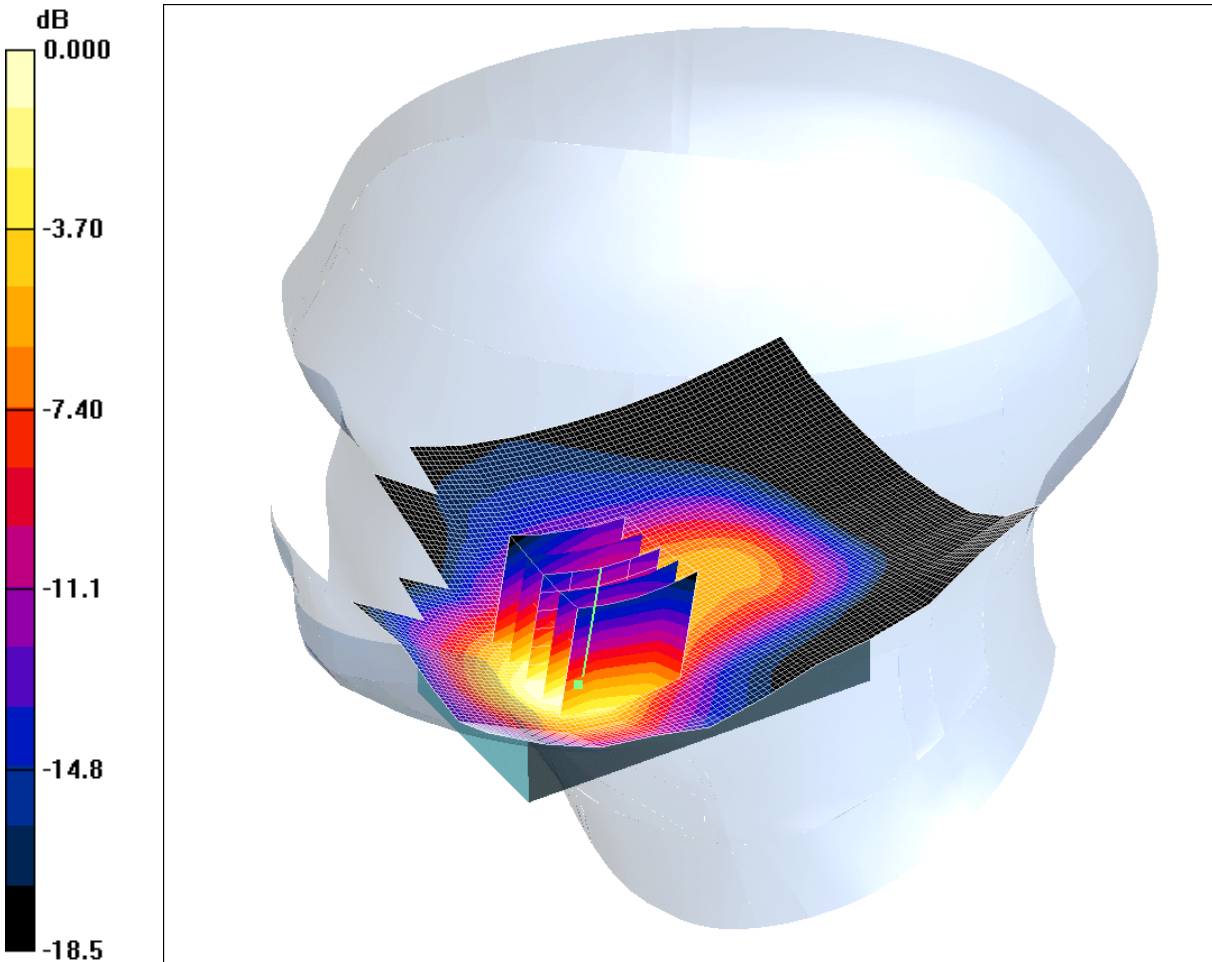
SAR(1 g) = 0.231 mW/g; SAR(10 g) = 0.140 mW/g

Maximum value of SAR (measured) = 0.245 mW/g

SCN/81152JD01/024: Touch Right PCS CH660

Date 17/03/2011

DUT: Sony Ericsson Fengli; Type: Fengli CK15a; Serial: WUJ2331C16; IMEI: 04402142120611



0 dB = 0.864mW/g

Communication System: PCS 1900; Frequency: 1879.8 MHz; Duty Cycle: 1:8.3

Medium: 1900 MHz HSL Medium parameters used (interpolated): $f = 1879.8$ MHz; $\sigma = 1.44$ mho/m; $\epsilon_r = 39.1$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3508; ConvF(8.83, 8.83, 8.83); Calibrated: 15/02/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 09/02/2011
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Touch Right- Middle/Area Scan (81x101x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.00 mW/g

Touch Right- Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.85 V/m; Power Drift = 0.281 dB

Peak SAR (extrapolated) = 1.41 W/kg

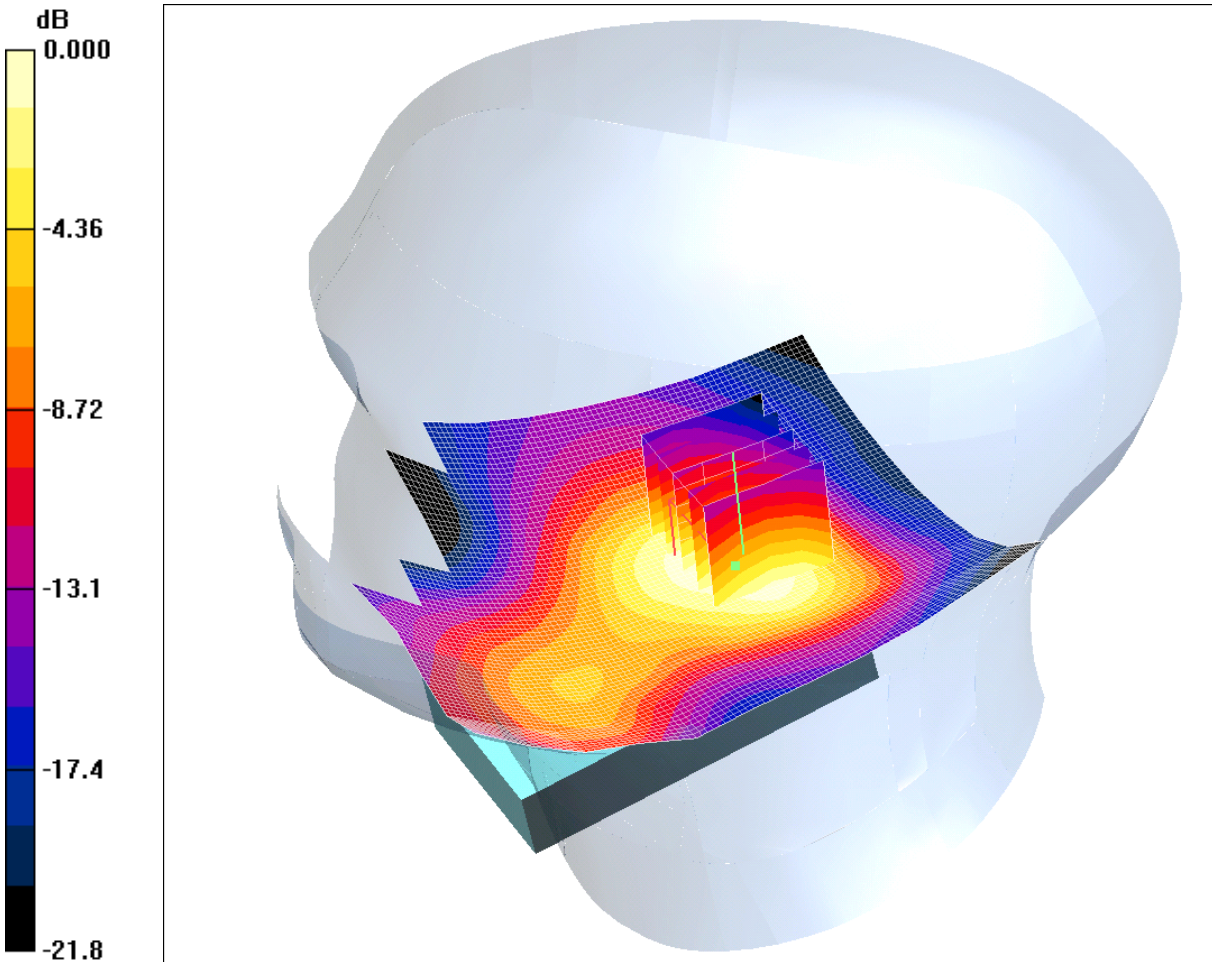
SAR(1 g) = 0.829 mW/g; SAR(10 g) = 0.469 mW/g

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

SCN/81152JD01/025: Tilt Right PCS CH660

Date 17/03/2011

DUT: Sony Ericsson Fengli; Type: Fengli CK15a; Serial: WUJ2331C16; IMEI: 04402142120611



0 dB = 0.419mW/g

Communication System: PCS 1900; Frequency: 1879.8 MHz; Duty Cycle: 1:8.3

Medium: 1900 MHz HSL Medium parameters used (interpolated): $f = 1879.8$ MHz; $\sigma = 1.44$ mho/m; $\epsilon_r = 39.1$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3508; ConvF(8.83, 8.83, 8.83); Calibrated: 15/02/2011

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

- Electronics: DAE3 Sn450; Calibrated: 09/02/2011

- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Tilt Right- Middle/Area Scan (81x101x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.478 mW/g

Tilt Right- Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.6 V/m; Power Drift = -0.332 dB

Peak SAR (extrapolated) = 0.625 W/kg

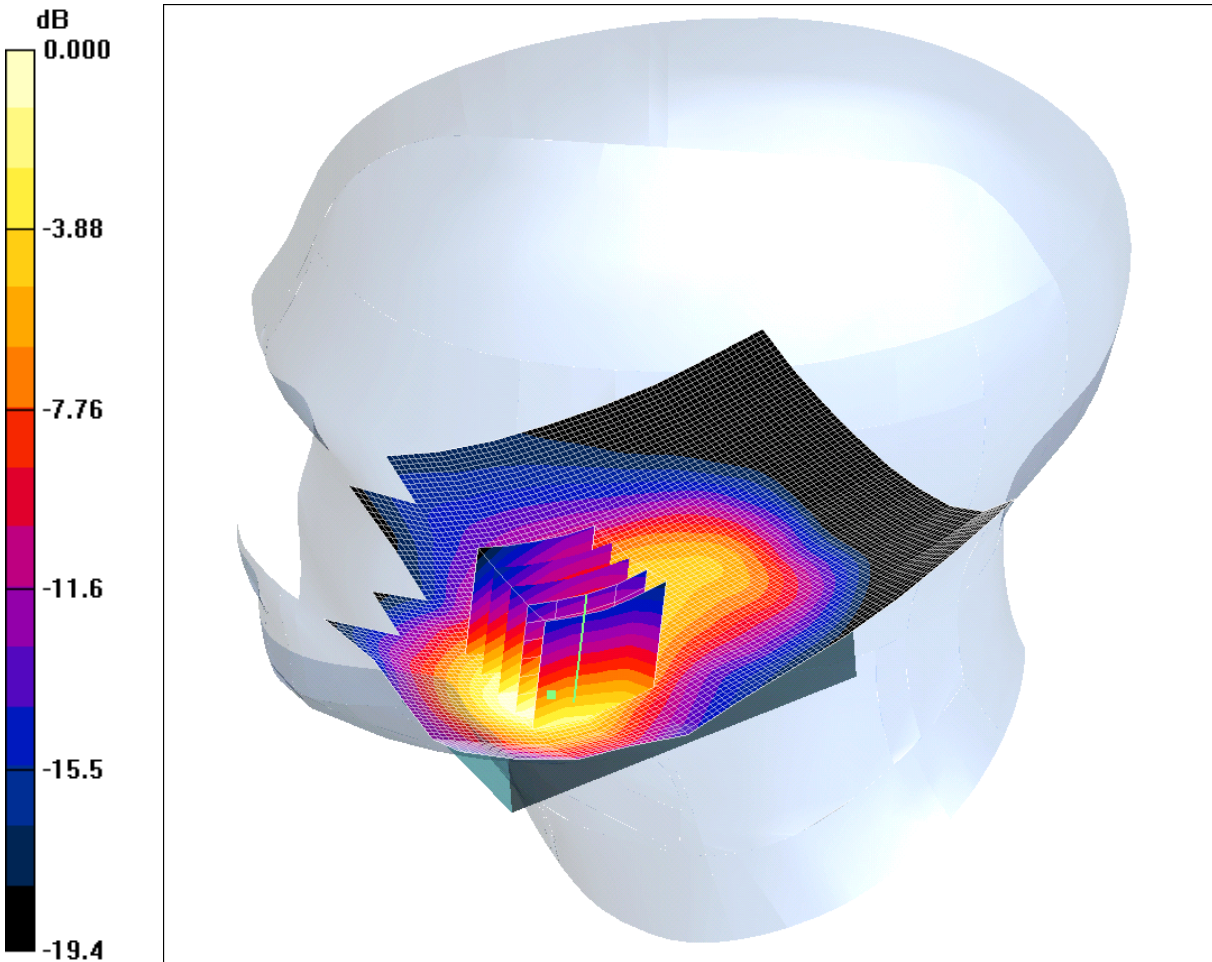
SAR(1 g) = 0.398 mW/g; SAR(10 g) = 0.239 mW/g

Maximum value of SAR (measured) = 0.419 mW/g

SCN/81152JD01/026: Touch Right PCS CH512

Date 17/03/2011

DUT: Sony Ericsson Fengli; Type: Fengli CK15a; Serial: WUJ2331C16; IMEI: 04402142120611



0 dB = 0.782mW/g

Communication System: PCS 1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3

Medium: 1900 MHz HSL Medium parameters used (interpolated): $f = 1850.2$ MHz; $\sigma = 1.41$ mho/m; $\epsilon_r = 39.3$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3508; ConvF(8.83, 8.83, 8.83); Calibrated: 15/02/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 09/02/2011
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Touch Right- Low/Area Scan (81x101x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.862 mW/g

Touch Right- Low/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.70 V/m; Power Drift = -0.208 dB

Peak SAR (extrapolated) = 1.23 W/kg

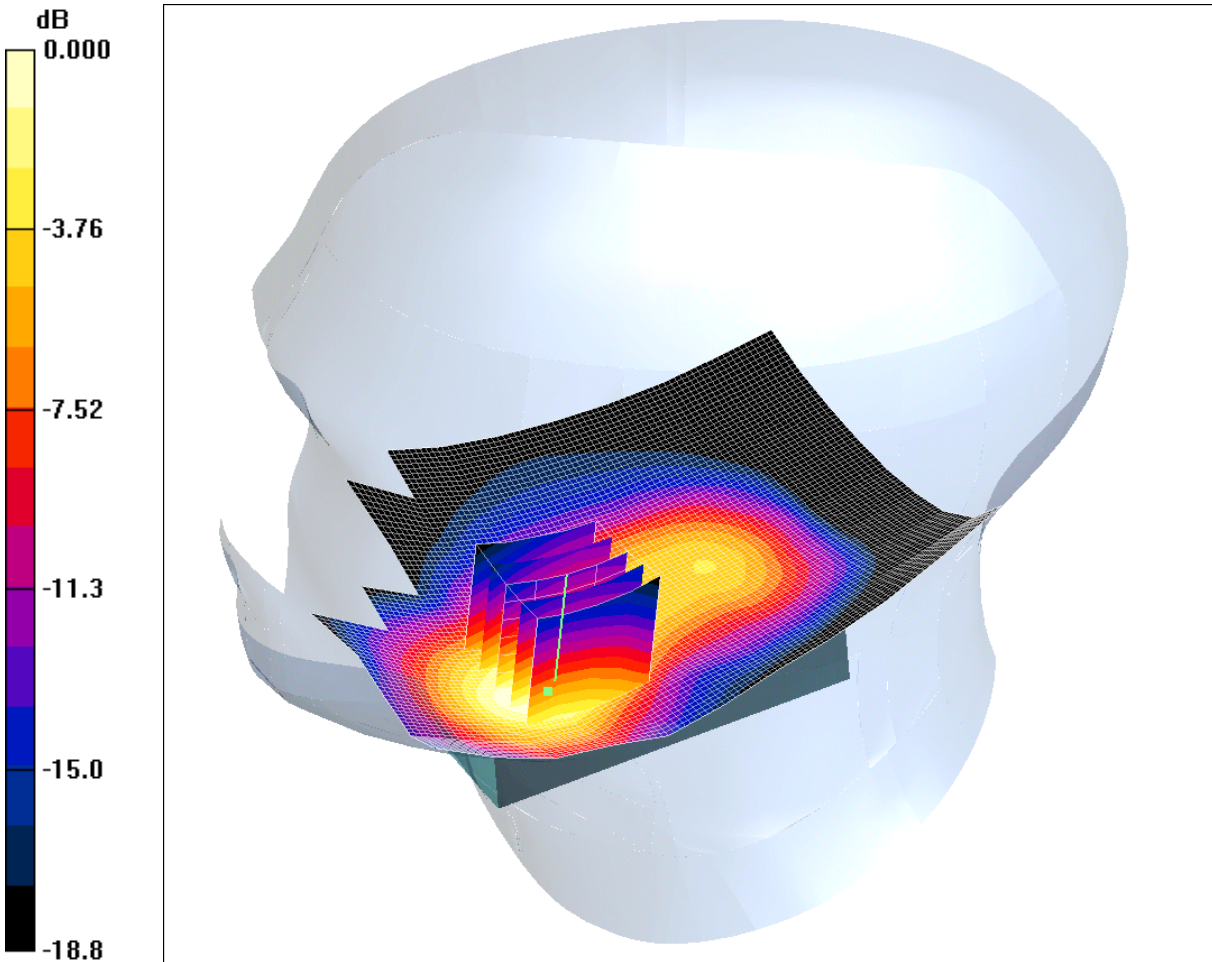
SAR(1 g) = 0.739 mW/g; SAR(10 g) = 0.421 mW/g

Maximum value of SAR (measured) = 0.782 mW/g

SCN/81152JD01/027: Touch Right PCS CH810

Date 17/03/2011

DUT: Sony Ericsson Fengli; Type: Fengli CK15a; Serial: WUJ2331C16; IMEI: 04402142120611



0 dB = 0.520mW/g

Communication System: PCS 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3

Medium: 1900 MHz HSL Medium parameters used (interpolated): $f = 1909.8$ MHz; $\sigma = 1.47$ mho/m; $\epsilon_r = 39$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3508; ConvF(8.83, 8.83, 8.83); Calibrated: 15/02/2011

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

- Electronics: DAE3 Sn450; Calibrated: 09/02/2011

- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Touch Right- High/Area Scan (81x101x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.579 mW/g

Touch Right- High/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.40 V/m; Power Drift = -0.257 dB

Peak SAR (extrapolated) = 0.820 W/kg

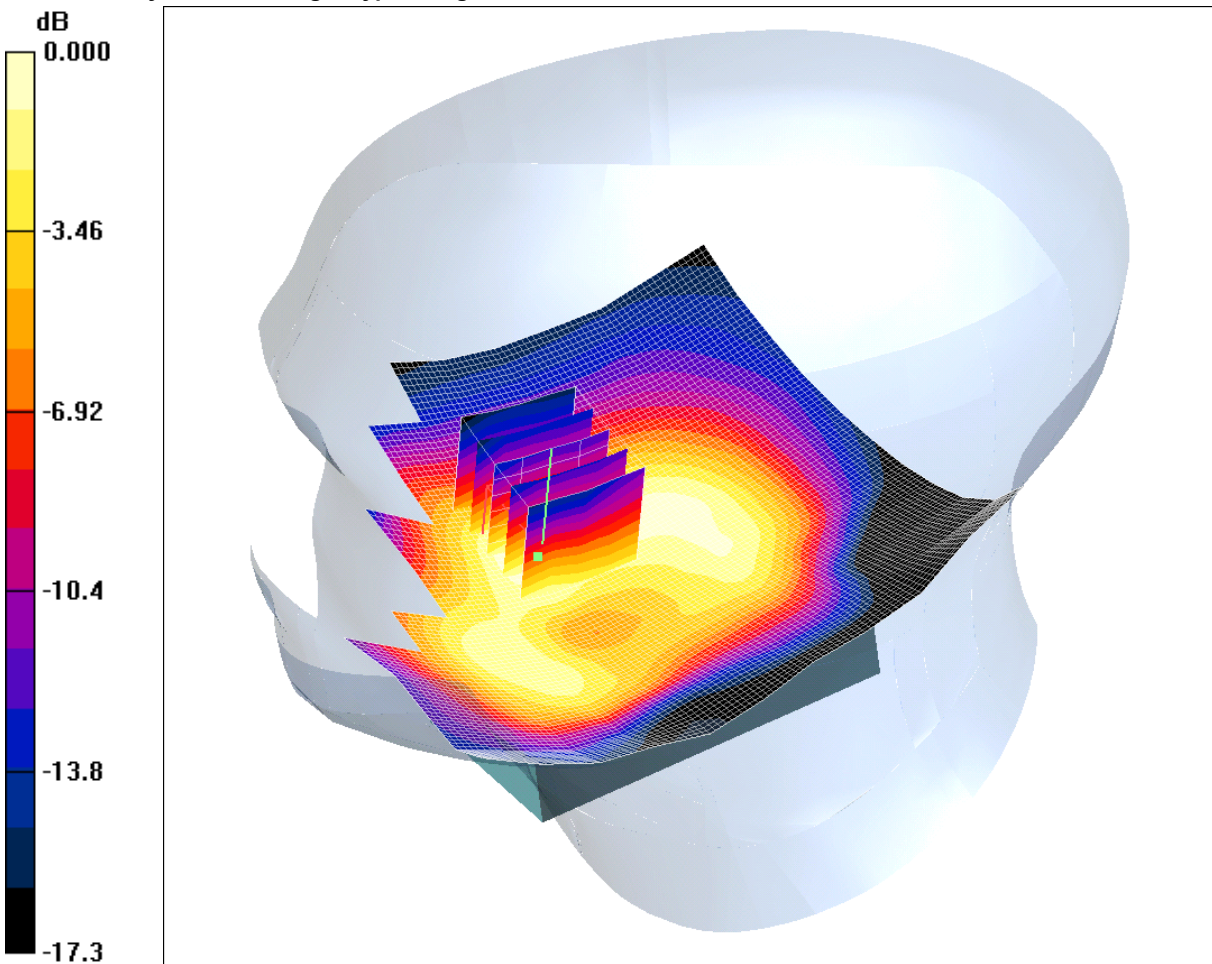
SAR(1 g) = 0.491 mW/g; SAR(10 g) = 0.278 mW/g

Maximum value of SAR (measured) = 0.520 mW/g

SCN/81152JD01/028: Touch Right with Slide Open PCS CH660

Date 17/03/2011

DUT: Sony Ericsson Fengli; Type: Fengli CK15a; Serial: WUJ2331C16; IMEI: 04402142120611



0 dB = 0.268mW/g

Communication System: PCS 1900; Frequency: 1879.8 MHz; Duty Cycle: 1:8.3

Medium: 1900 MHz HSL Medium parameters used (interpolated): $f = 1879.8$ MHz; $\sigma = 1.44$ mho/m; $\epsilon_r = 39.1$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3508; ConvF(8.83, 8.83, 8.83); Calibrated: 15/02/2011

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

- Electronics: DAE3 Sn450; Calibrated: 09/02/2011

- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Touch Right- Middle/Area Scan (101x101x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.284 mW/g

Touch Right- Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.48 V/m; Power Drift = -0.260 dB

Peak SAR (extrapolated) = 0.408 W/kg

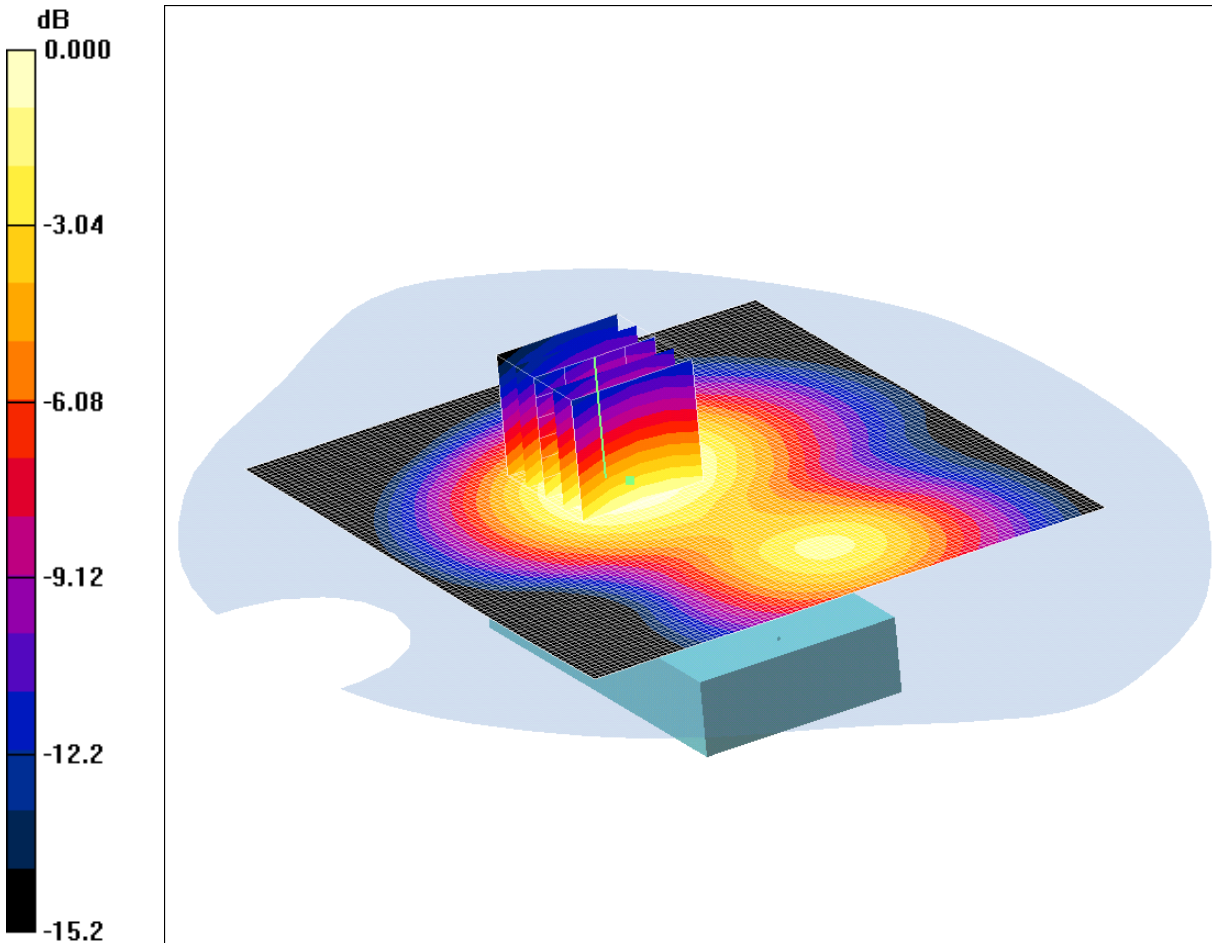
SAR(1 g) = 0.251 mW/g; SAR(10 g) = 0.148 mW/g

Maximum value of SAR (measured) = 0.268 mW/g

SCN/81152JD01/029: Front of EUT Facing Phantom GPRS CH660

Date 31/03/2011

DUT: Sony Ericsson Fengli; Type: Fengli CK15a; Serial: WUJ2331C16; IMEI: 04402142120611



0 dB = 0.489mW/g

Communication System: GPRS 1900; Frequency: 1879.8 MHz; Duty Cycle: 1:4

Medium: 1900 MHz MSL Medium parameters used (interpolated): $f = 1879.8$ MHz; $\sigma = 1.53$ mho/m; $\epsilon_r = 51.9$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3508; ConvF(8.56, 8.56, 8.56); Calibrated: 15/02/2011

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

- Electronics: DAE3 Sn450; Calibrated: 09/02/2011

- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Front of EUT Facing Phantom - Middle/Area Scan (91x101x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.501 mW/g

Front of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.3 V/m; Power Drift = -0.115 dB

Peak SAR (extrapolated) = 0.697 W/kg

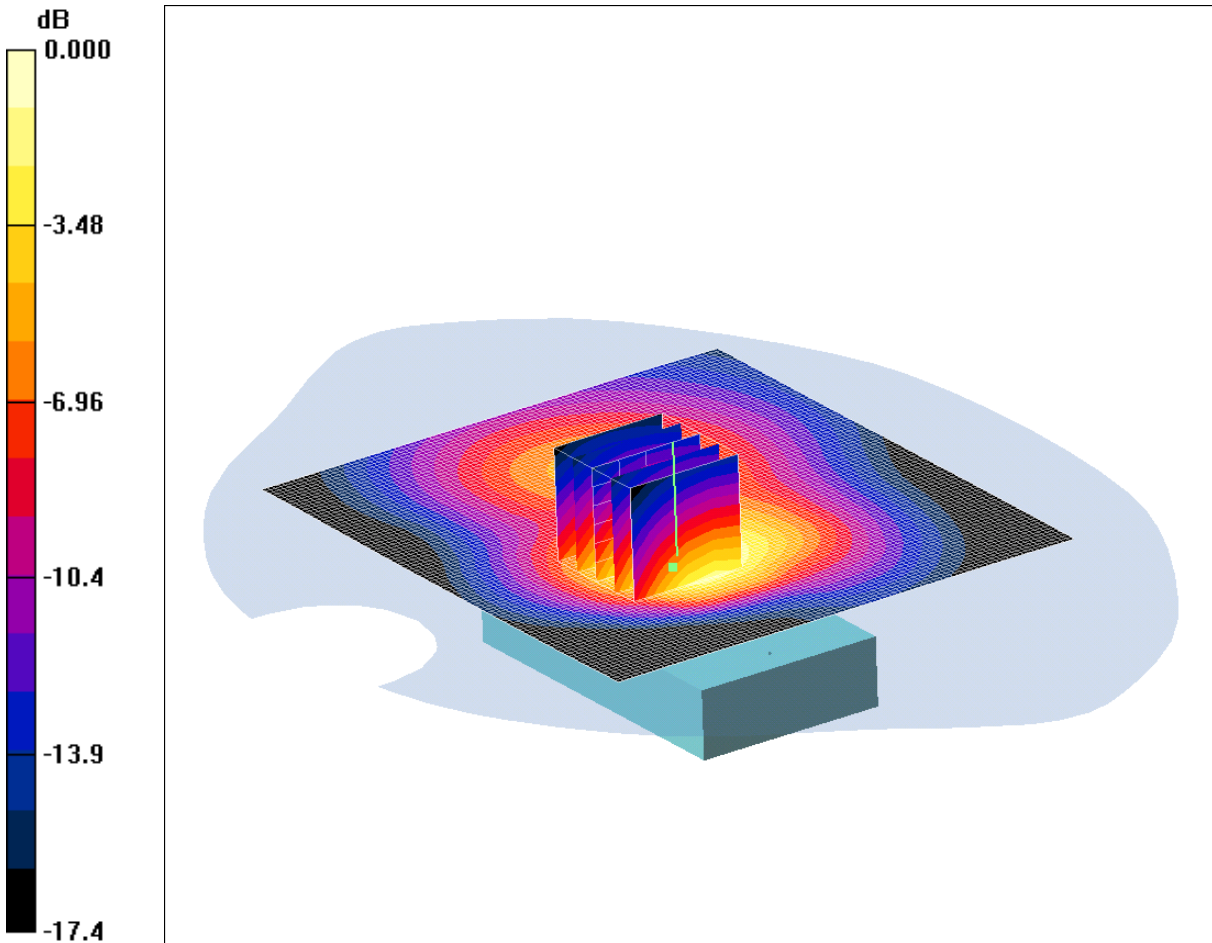
SAR(1 g) = 0.463 mW/g; SAR(10 g) = 0.299 mW/g

Maximum value of SAR (measured) = 0.489 mW/g

SCN/81152JD01/030: Rear of EUT Facing Phantom GPRS CH660

Date 31/03/2011

DUT: Sony Ericsson Fengli; Type: Fengli CK15a; Serial: WUJ2331C16; IMEI: 04402142120611



0 dB = 0.974mW/g

Communication System: GPRS 1900; Frequency: 1879.8 MHz; Duty Cycle: 1:4

Medium: 1900 MHz MSL Medium parameters used (interpolated): $f = 1879.8$ MHz; $\sigma = 1.53$ mho/m; $\epsilon_r = 51.9$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3508; ConvF(8.56, 8.56, 8.56); Calibrated: 15/02/2011

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

- Electronics: DAE3 Sn450; Calibrated: 09/02/2011

- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Rear of EUT Facing Phantom - Middle/Area Scan (91x101x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.06 mW/g

Rear of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.7 V/m; Power Drift = -0.122 dB

Peak SAR (extrapolated) = 1.61 W/kg

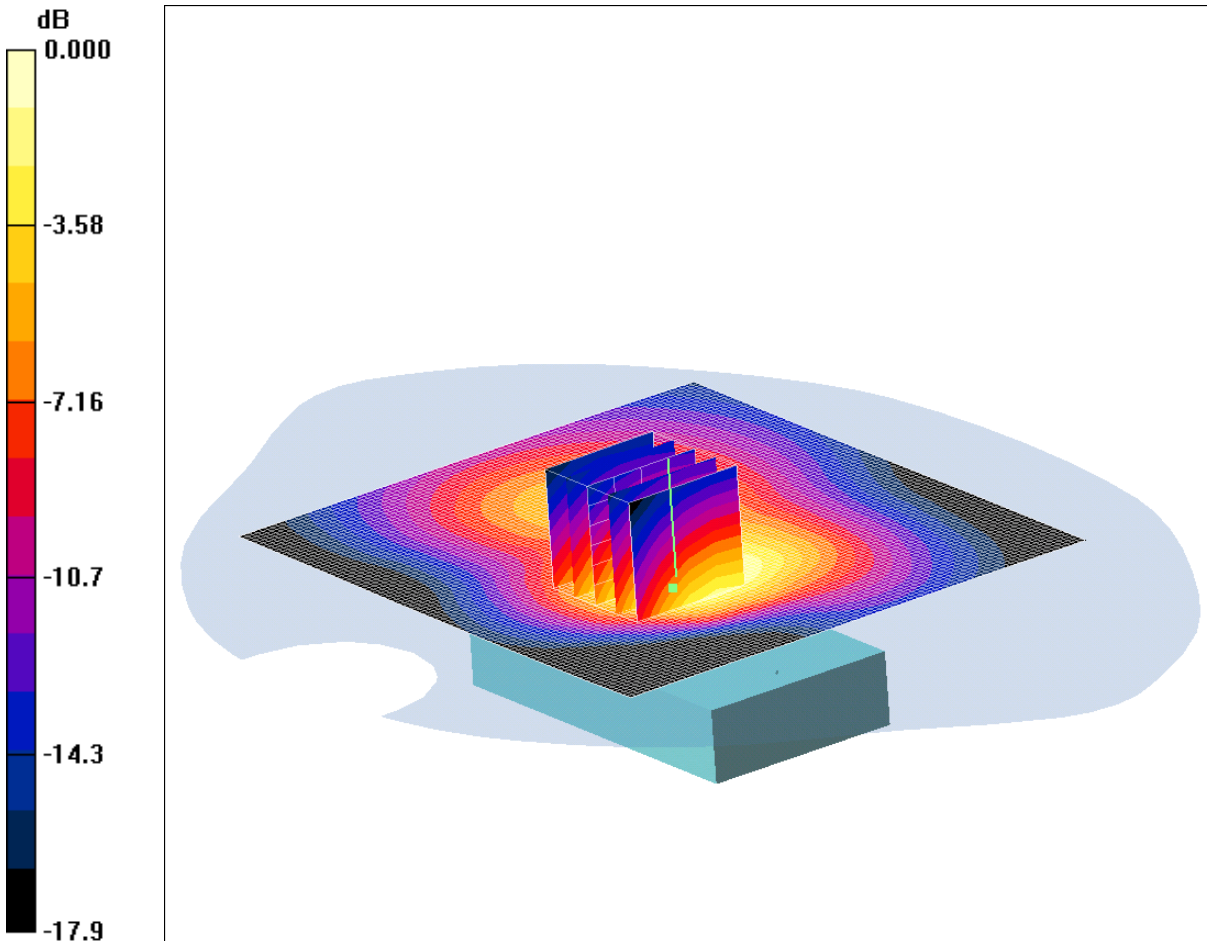
SAR(1 g) = 0.925 mW/g; SAR(10 g) = 0.511 mW/g

Maximum value of SAR (measured) = 0.974 mW/g

SCN/81152JD01/031: Rear of EUT Facing Phantom GPRS CH512

Date 31/03/2011

DUT: Sony Ericsson Fengli; Type: Fengli CK15a; Serial: WUJ2331C16; IMEI: 04402142120611



0 dB = 0.869mW/g

Communication System: GPRS 1900; Frequency: 1850.2 MHz; Duty Cycle: 1:4

Medium: 1900 MHz MSL Medium parameters used (interpolated): $f = 1850.2$ MHz; $\sigma = 1.51$ mho/m; $\epsilon_r = 52$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3508; ConvF(8.56, 8.56, 8.56); Calibrated: 15/02/2011

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

- Electronics: DAE3 Sn450; Calibrated: 09/02/2011

- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Rear of EUT Facing Phantom - Low/Area Scan (91x101x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.939 mW/g

Rear of EUT Facing Phantom - Low/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.1 V/m; Power Drift = -0.011 dB

Peak SAR (extrapolated) = 1.40 W/kg

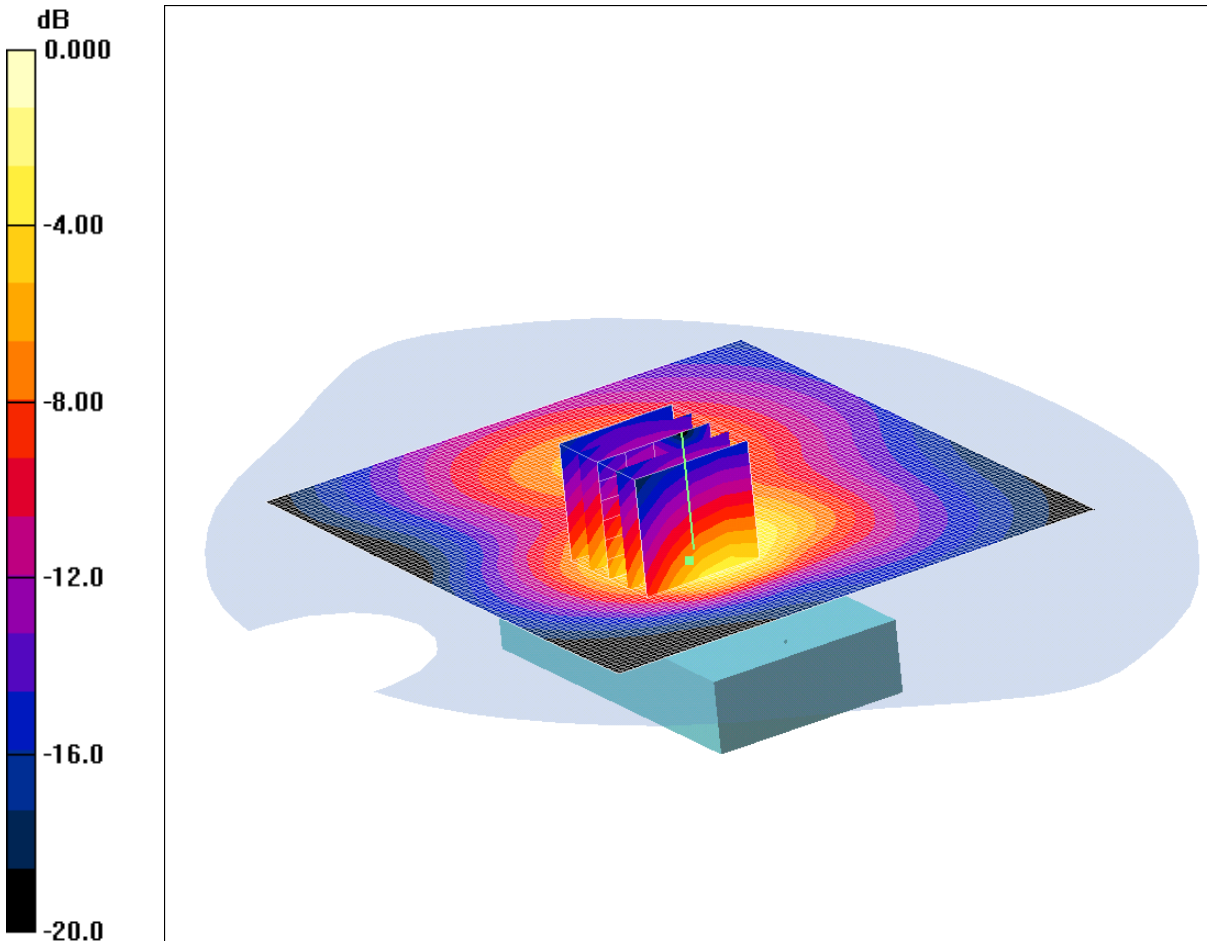
SAR(1 g) = 0.814 mW/g; SAR(10 g) = 0.458 mW/g

Maximum value of SAR (measured) = 0.869 mW/g

SCN/81152JD01/032: Rear of EUT Facing Phantom GPRS CH810

Date 01/04/2011

DUT: Sony Ericsson Fengli; Type: Fengli CK15a; Serial: WUJ2331C16; IMEI: 04402142120611



0 dB = 0.678mW/g

Communication System: GPRS 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:4

Medium: 1900 MHz MSL Medium parameters used (interpolated): $f = 1909.8 \text{ MHz}$; $\sigma = 1.56 \text{ mho/m}$; $\epsilon_r = 51.9$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3508; ConvF(8.56, 8.56, 8.56); Calibrated: 15/02/2011

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

- Electronics: DAE3 Sn450; Calibrated: 09/02/2011

- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Rear of EUT Facing Phantom - High/Area Scan (91x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.656 mW/g

Rear of EUT Facing Phantom - High/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 12.2 V/m; Power Drift = -0.122 dB

Peak SAR (extrapolated) = 1.12 W/kg

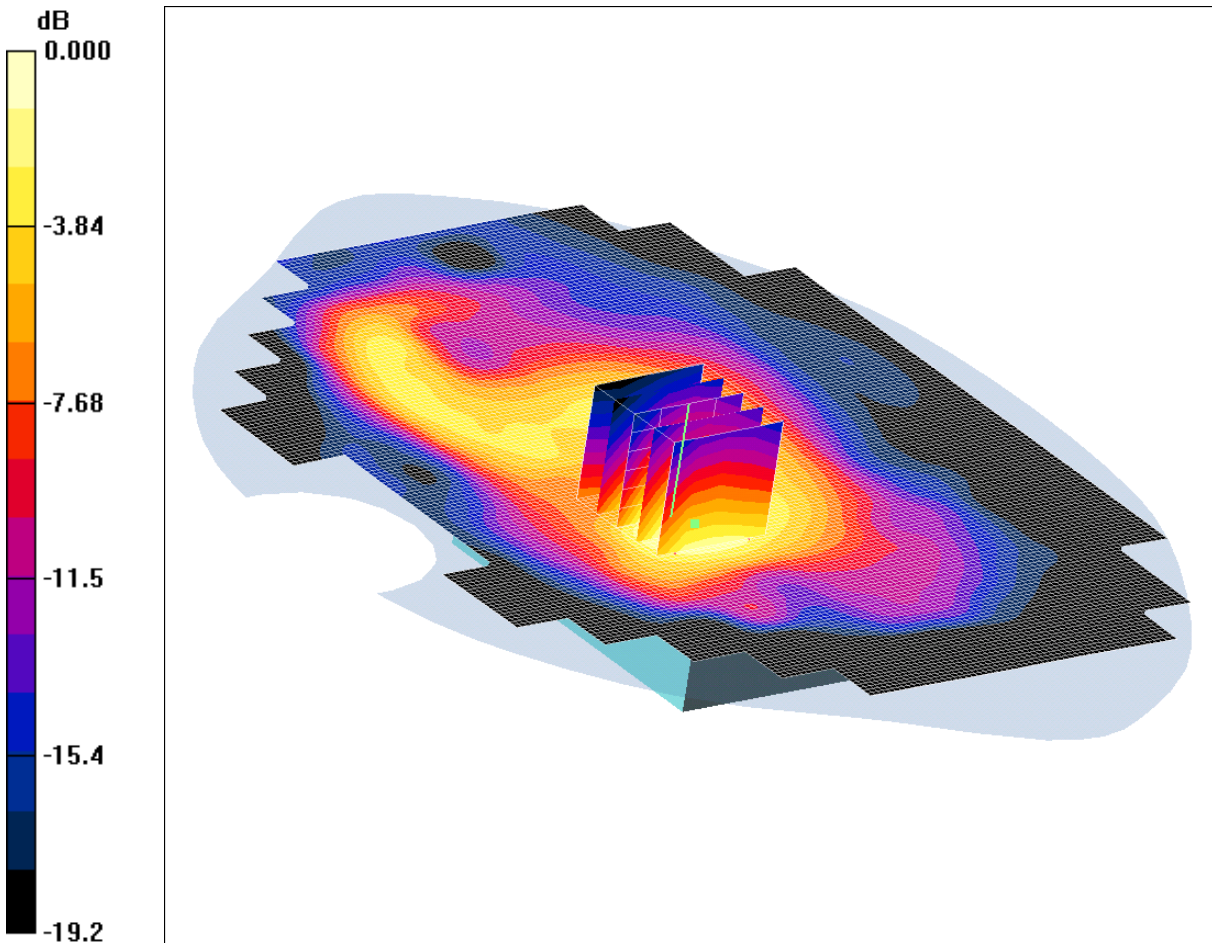
SAR(1 g) = 0.629 mW/g; SAR(10 g) = 0.343 mW/g

Maximum value of SAR (measured) = 0.678 mW/g

SCN/81152JD01/033: Rear of EUT Facing Phantom With PHF GPRS CH660

Date 01/04/2011

DUT: Sony Ericsson Fengli; Type: Fengli CK15a; Serial: WUJ2331C16; IMEI: 04402142120611



0 dB = 0.817mW/g

Communication System: GPRS 1900; Frequency: 1879.8 MHz; Duty Cycle: 1:4

Medium: 1900 MHz MSL Medium parameters used (interpolated): $f = 1879.8$ MHz; $\sigma = 1.53$ mho/m; $\epsilon_r = 51.9$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3508; ConvF(8.56, 8.56, 8.56); Calibrated: 15/02/2011

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

- Electronics: DAE3 Sn450; Calibrated: 09/02/2011

- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Rear of EUT Facing Phantom - Middle/Area Scan (121x161x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.783 mW/g

Rear of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.5 V/m; Power Drift = -0.231 dB

Peak SAR (extrapolated) = 1.33 W/kg

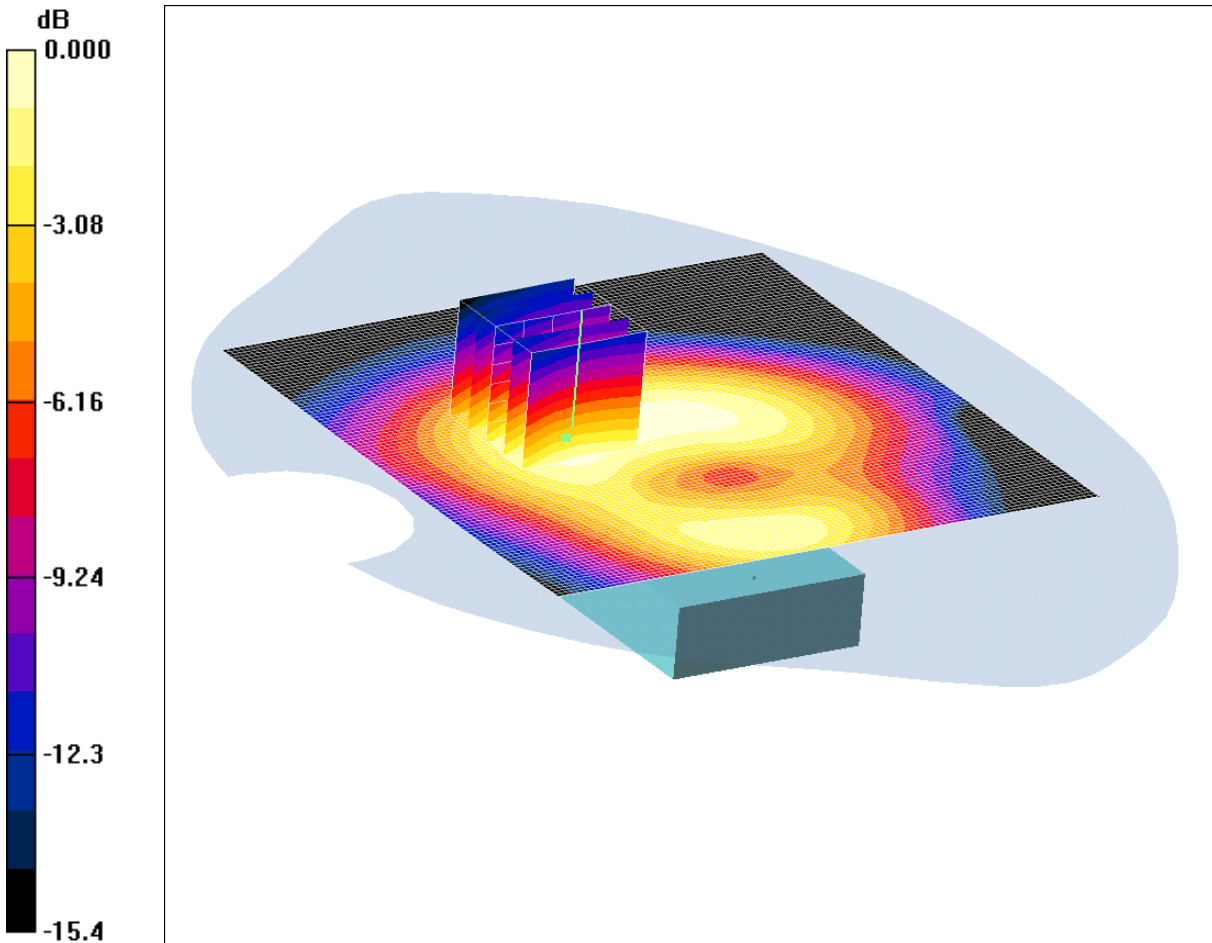
SAR(1 g) = 0.798 mW/g; SAR(10 g) = 0.437 mW/g

Maximum value of SAR (measured) = 0.817 mW/g

SCN/81152JD01/034: Front of EUT With Slide Open Facing Phantom GPRS CH660

Date 01/04/2011

DUT: Sony Ericsson Fengli; Type: Fengli CK15a; Serial: WUJ2331C16; IMEI: 04402142120611



0 dB = 0.232mW/g

Communication System: GPRS 1900; Frequency: 1879.8 MHz; Duty Cycle: 1:4

Medium: 1900 MHz MSL Medium parameters used (interpolated): $f = 1879.8$ MHz; $\sigma = 1.53$ mho/m; $\epsilon_r = 51.9$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3508; ConvF(8.56, 8.56, 8.56); Calibrated: 15/02/2011

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

- Electronics: DAE3 Sn450; Calibrated: 09/02/2011

- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Front of EUT Facing Phantom - Middle/Area Scan (101x101x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.235 mW/g

Front of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.0 V/m; Power Drift = -0.002 dB

Peak SAR (extrapolated) = 0.334 W/kg

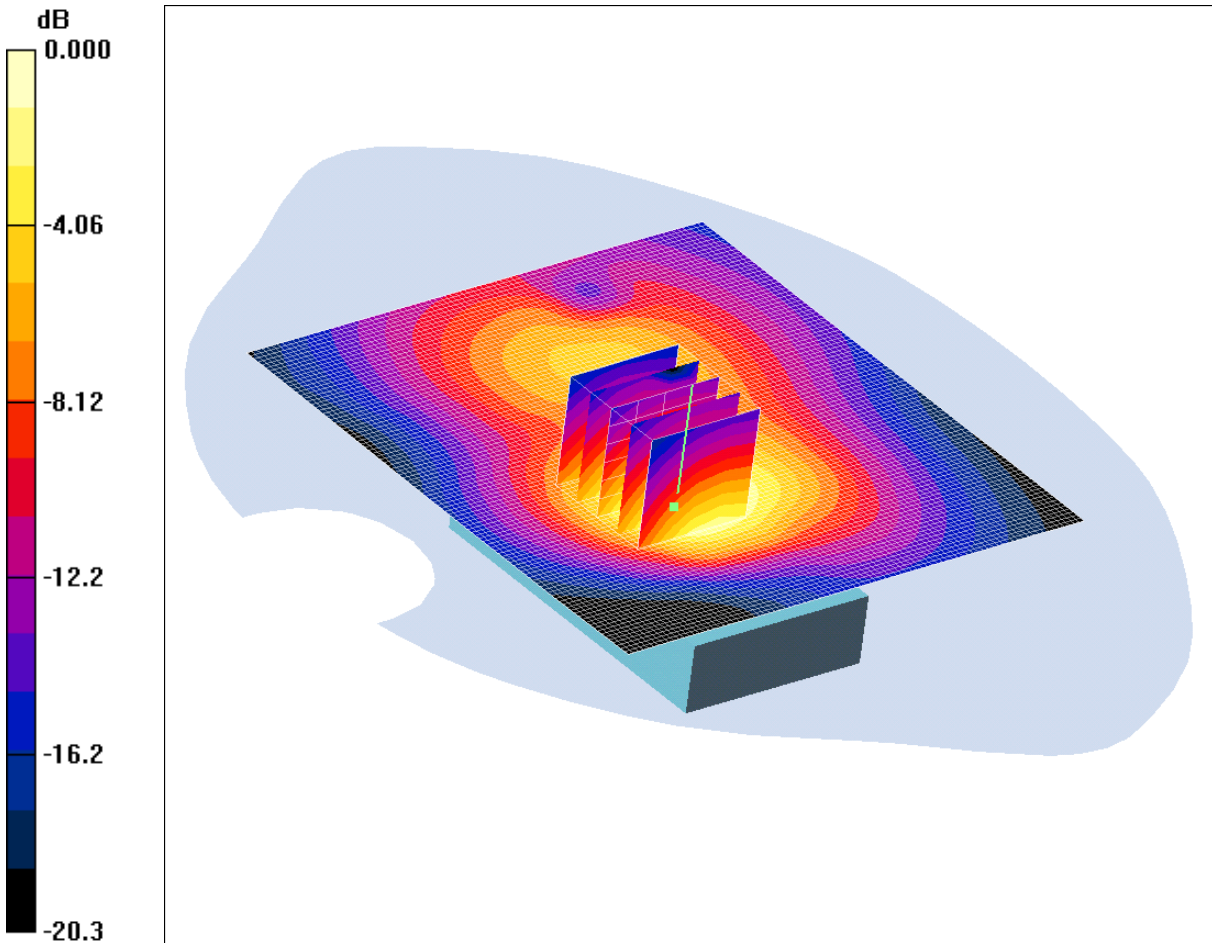
SAR(1 g) = 0.219 mW/g; SAR(10 g) = 0.140 mW/g

Maximum value of SAR (measured) = 0.232 mW/g

SCN/81152JD01/035: Rear of EUT Facing Phantom EGPRS CH660

Date 01/04/2011

DUT: Sony Ericsson Fengli; Type: Fengli CK15a; Serial: WUJ2331C16; IMEI: 04402142120611



0 dB = 0.936mW/g

Communication System: EGPRS 1900; Frequency: 1879.8 MHz; Duty Cycle: 1:4

Medium: 1900 MHz MSL Medium parameters used (interpolated): $f = 1879.8$ MHz; $\sigma = 1.53$ mho/m; $\epsilon_r = 51.9$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3508; ConvF(8.56, 8.56, 8.56); Calibrated: 15/02/2011

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

- Electronics: DAE3 Sn450; Calibrated: 09/02/2011

- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Rear of EUT Facing Phantom - Middle/Area Scan (91x101x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.02 mW/g

Rear of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.5 V/m; Power Drift = -0.144 dB

Peak SAR (extrapolated) = 1.55 W/kg

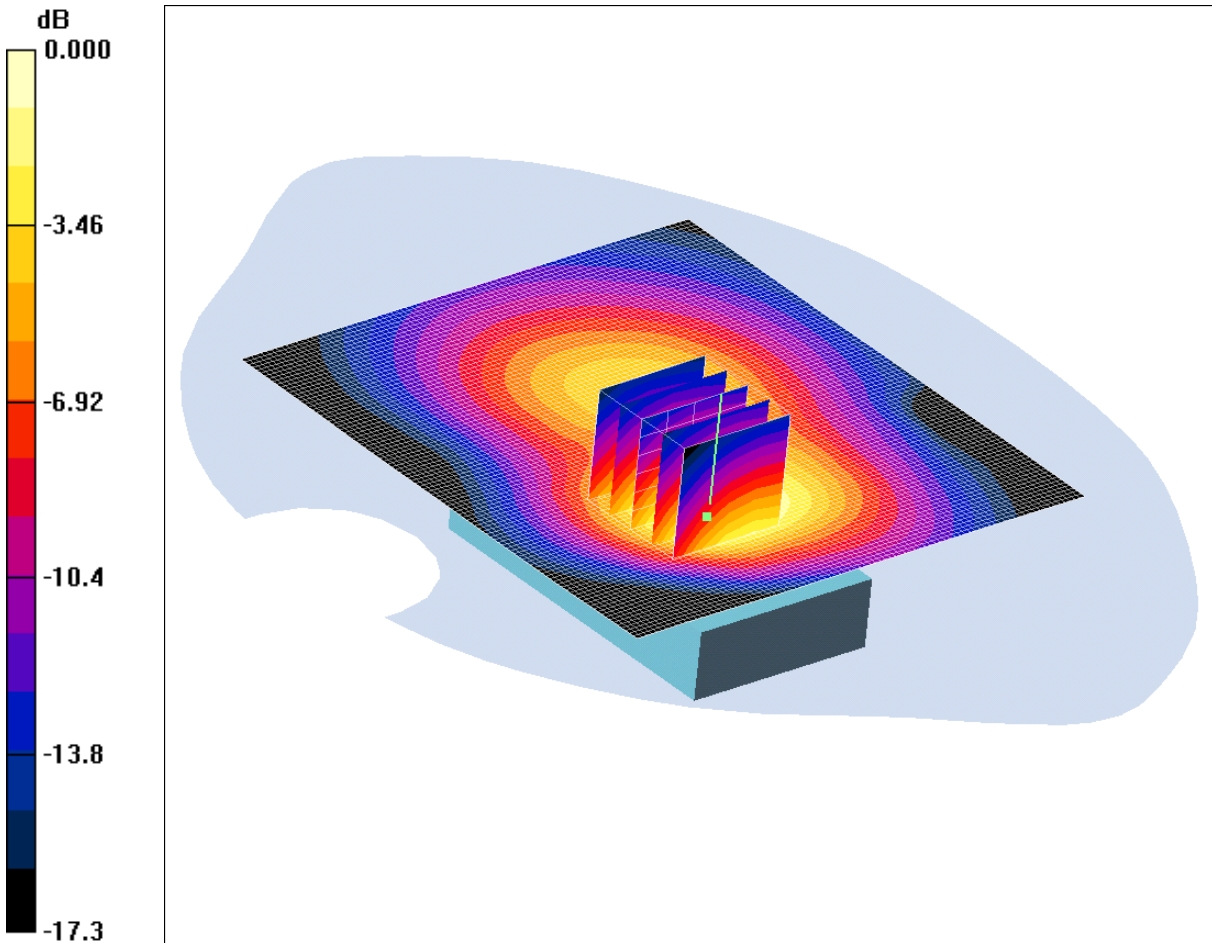
SAR(1 g) = 0.889 mW/g; SAR(10 g) = 0.492 mW/g

Maximum value of SAR (measured) = 0.936 mW/g

SCN/81152JD01/036: Rear of EUT Facing Phantom EGPRS CH512

Date 01/04/2011

DUT: Sony Ericsson Fengli; Type: Fengli CK15a; Serial: WUJ2331C16; IMEI: 04402142120611



0 dB = 0.776mW/g

Communication System: EGPRS 1900; Frequency: 1850.2 MHz; Duty Cycle: 1:4

Medium: 1900 MHz MSL Medium parameters used (interpolated): $f = 1850.2$ MHz; $\sigma = 1.51$ mho/m; $\epsilon_r = 52$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3508; ConvF(8.56, 8.56, 8.56); Calibrated: 15/02/2011

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

- Electronics: DAE3 Sn450; Calibrated: 09/02/2011

- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Rear of EUT Facing Phantom - Low /Area Scan (91x101x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.851 mW/g

Rear of EUT Facing Phantom - Low /Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.1 V/m; Power Drift = -0.142 dB

Peak SAR (extrapolated) = 1.25 W/kg

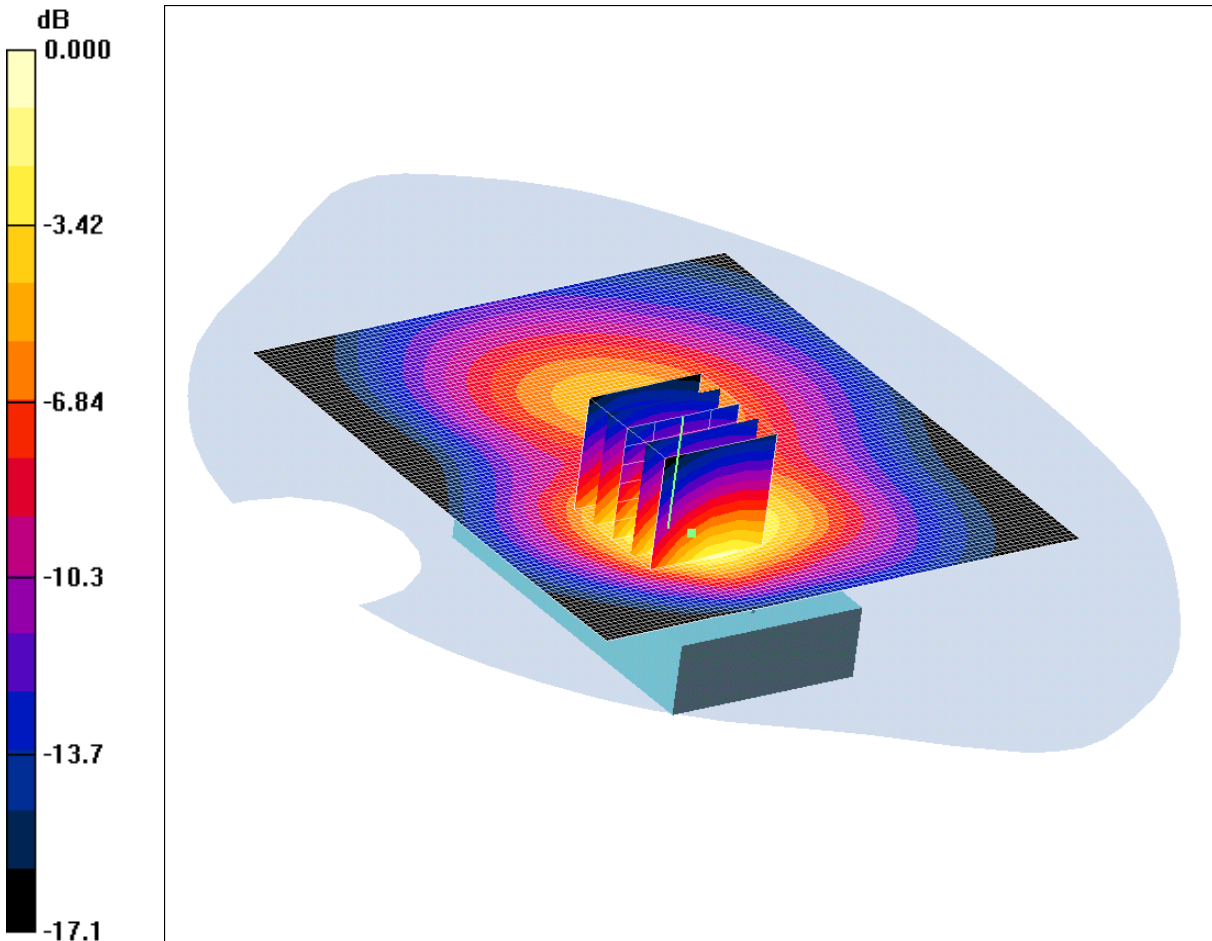
SAR(1 g) = 0.733 mW/g; SAR(10 g) = 0.413 mW/g

Maximum value of SAR (measured) = 0.776 mW/g

SCN/81152JD01/037: Rear of EUT Facing Phantom EGPRS CH810

Date 01/04/2011

DUT: Sony Ericsson Fengli; Type: Fengli CK15a; Serial: WUJ2331C16; IMEI: 04402142120611



0 dB = 0.576mW/g

Communication System: EGPRS 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:4

Medium: 1900 MHz MSL Medium parameters used (interpolated): $f = 1909.8$ MHz; $\sigma = 1.56$ mho/m; $\epsilon_r = 51.9$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3508; ConvF(8.56, 8.56, 8.56); Calibrated: 15/02/2011

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

- Electronics: DAE3 Sn450; Calibrated: 09/02/2011

- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Rear of EUT Facing Phantom - High/Area Scan (91x101x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.688 mW/g

Rear of EUT Facing Phantom - High/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.23 V/m; Power Drift = 0.092 dB

Peak SAR (extrapolated) = 0.982 W/kg

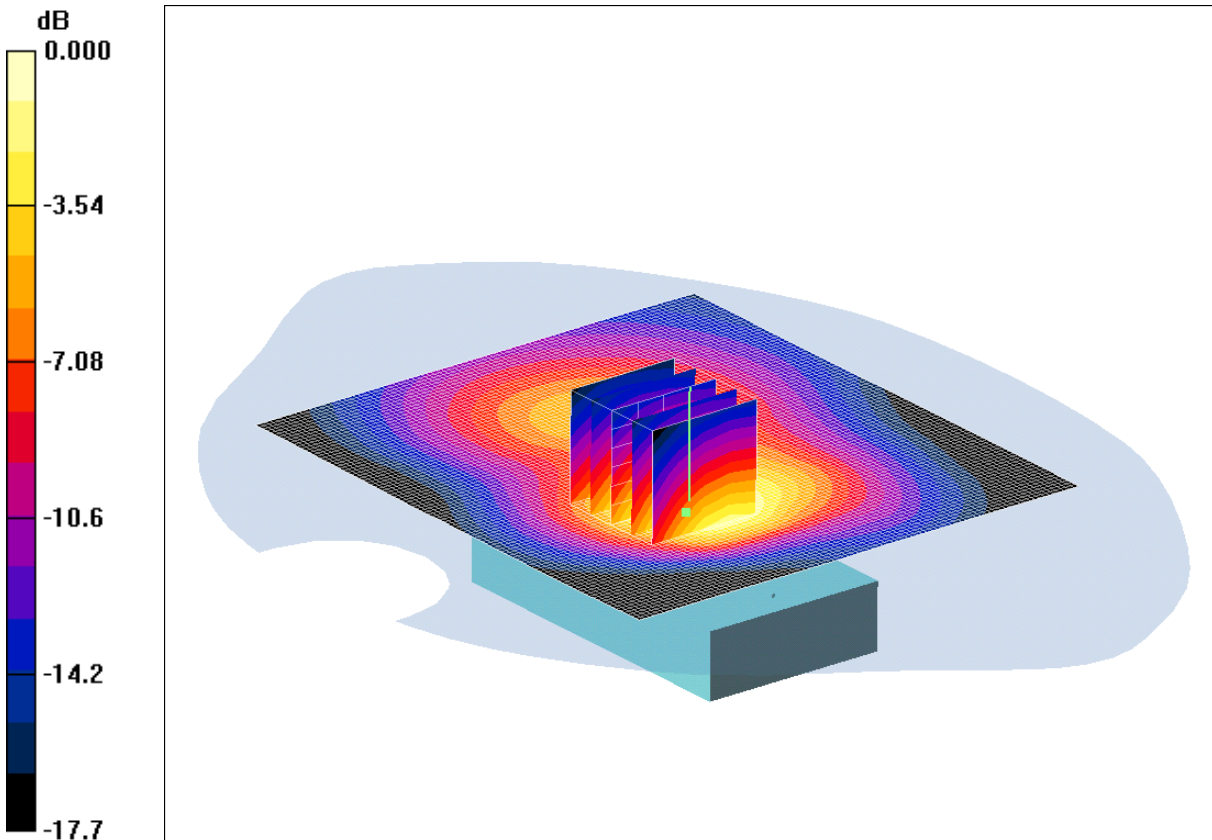
SAR(1 g) = 0.557 mW/g; SAR(10 g) = 0.306 mW/g

Maximum value of SAR (measured) = 0.576 mW/g

SCN/81152JD01/038: Rear of EUT Facing Phantom PCS CH660

Date 01/04/2011

DUT: Sony Ericsson Fengli; Type: Fengli CK15a; Serial: WUJ2331C16; IMEI: 04402142120611



0 dB = 0.501mW/g

Communication System: PCS 1900; Frequency: 1879.8 MHz; Duty Cycle: 1:8.3

Medium: 1900 MHz MSL Medium parameters used (interpolated): $f = 1879.8$ MHz; $\sigma = 1.53$ mho/m; $\epsilon_r = 51.9$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3508; ConvF(8.56, 8.56, 8.56); Calibrated: 15/02/2011

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

- Electronics: DAE3 Sn450; Calibrated: 09/02/2011

- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Rear of EUT Facing Phantom - Middle/Area Scan (91x101x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.537 mW/g

Rear of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.99 V/m; Power Drift = -0.035 dB

Peak SAR (extrapolated) = 0.841 W/kg

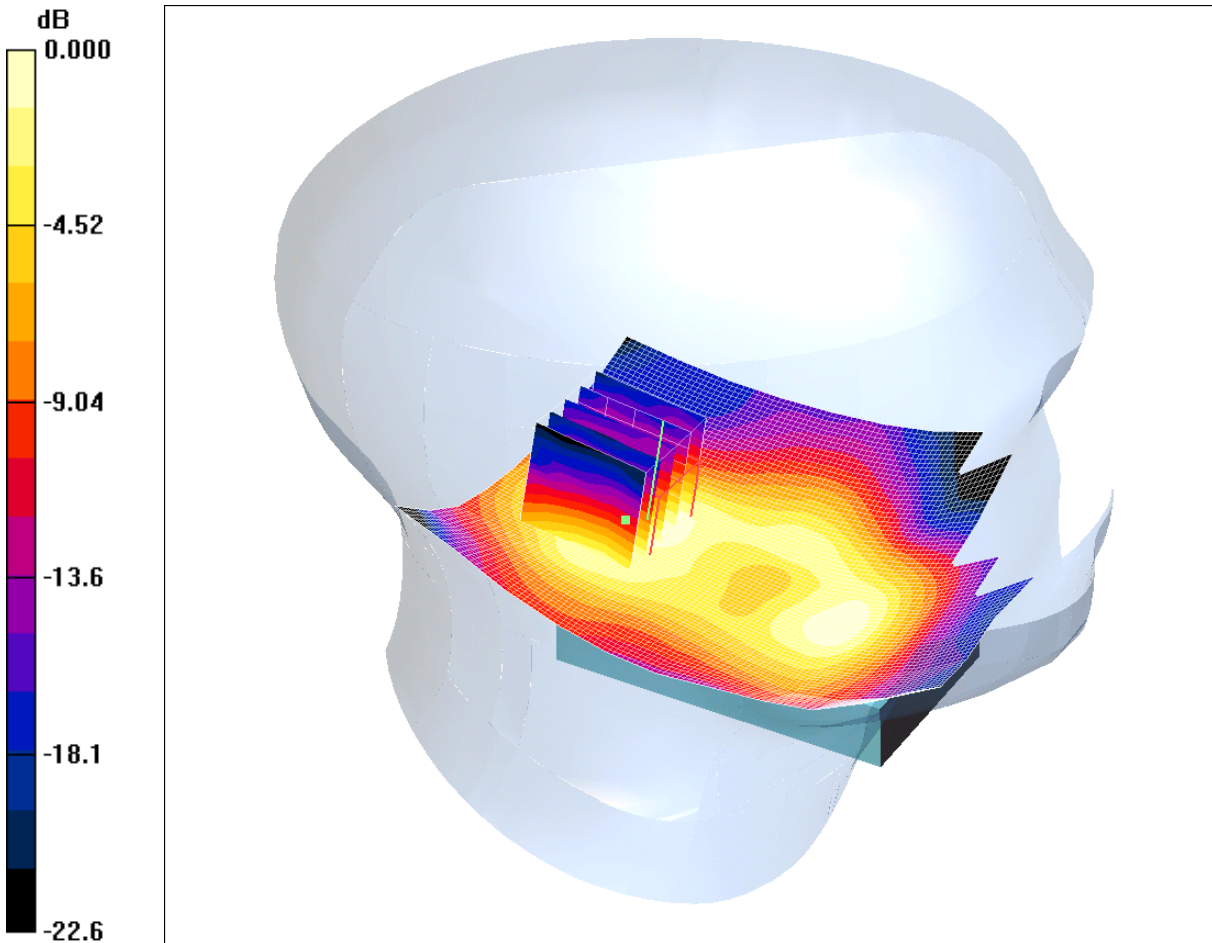
SAR(1 g) = 0.478 mW/g; SAR(10 g) = 0.264 mW/g

Maximum value of SAR (measured) = 0.501 mW/g

SCN/81152JD01/039: Touch Left WiFi 802.11b 1 Mbps CH6

Date 04/04/2011

DUT: Sony Ericsson Fengli; Type: Fengli CK15a; Serial: WUJ2331C05; IMEI: 004402142120447



0 dB = 0.099mW/g

Communication System: WLAN; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: 2450 MHz HSL Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 1.8$ mho/m; $\epsilon_r = 38.9$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3508; ConvF(7.88, 7.88, 7.88); Calibrated: 15/02/2011

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

- Electronics: DAE3 Sn450; Calibrated: 09/02/2011

- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Touch Left - Middle/Area Scan (81x101x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.102 mW/g

Touch Left - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.19 V/m; Power Drift = 0.381 dB

Peak SAR (extrapolated) = 0.170 W/kg

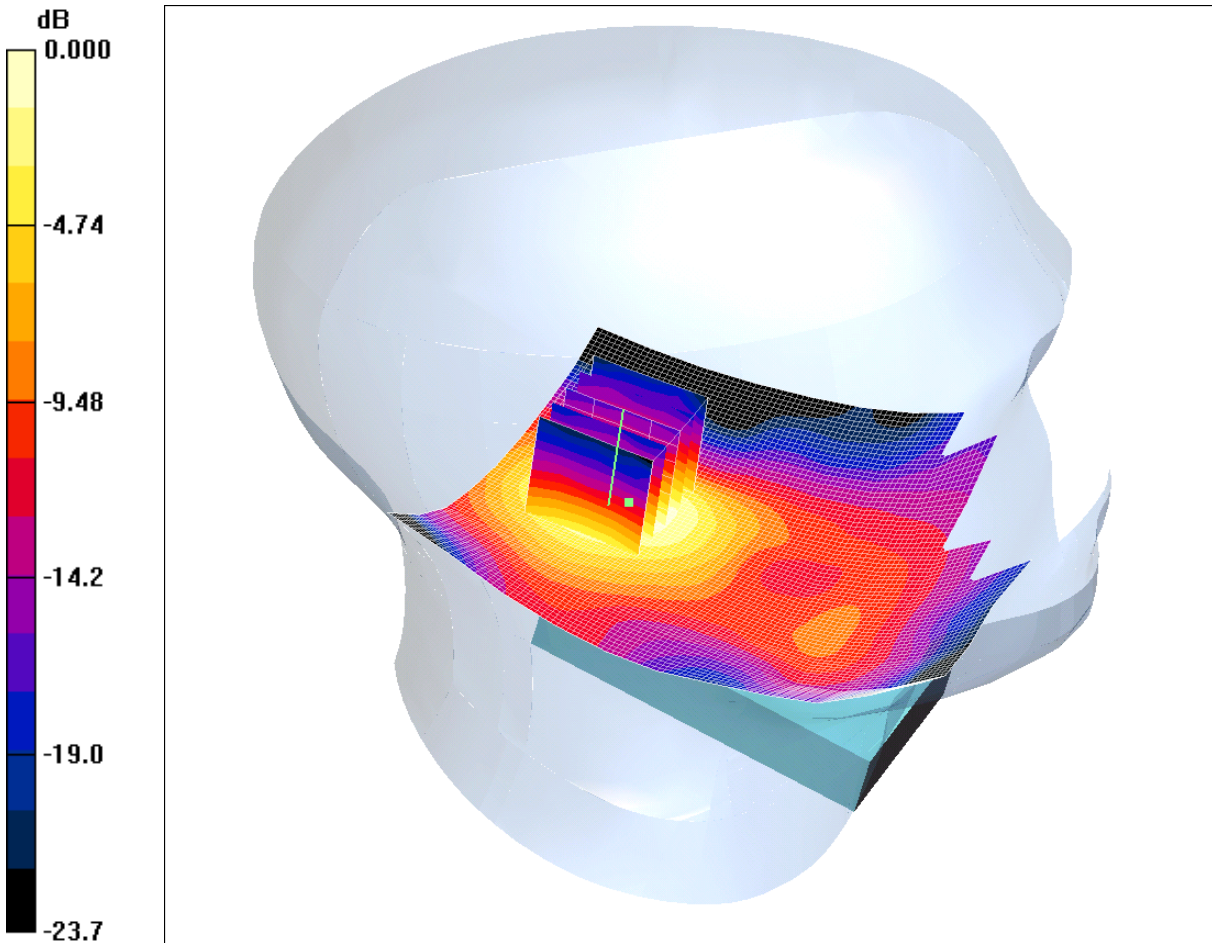
SAR(1 g) = 0.093 mW/g; SAR(10 g) = 0.051 mW/g

Maximum value of SAR (measured) = 0.099 mW/g

SCN/81152JD01/040: Tilt Left WiFi 802.11b 1 Mbps CH6

Date 04/04/2011

DUT: Sony Ericsson Fengli; Type: Fengli CK15a; Serial: WUJ2331C05; IMEI: 004402142120447



0 dB = 0.122mW/g

Communication System: WLAN; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: 2450 MHz HSL Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 1.8$ mho/m; $\epsilon_r = 38.9$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3508; ConvF(7.88, 7.88, 7.88); Calibrated: 15/02/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 09/02/2011
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Tilt Left - Middle/Area Scan (81x101x1): Measurement grid: dx=15mm, dy=15mm

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

Tilt Left - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.12 V/m; Power Drift = 0.126 dB

Peak SAR (extrapolated) = 0.221 W/kg

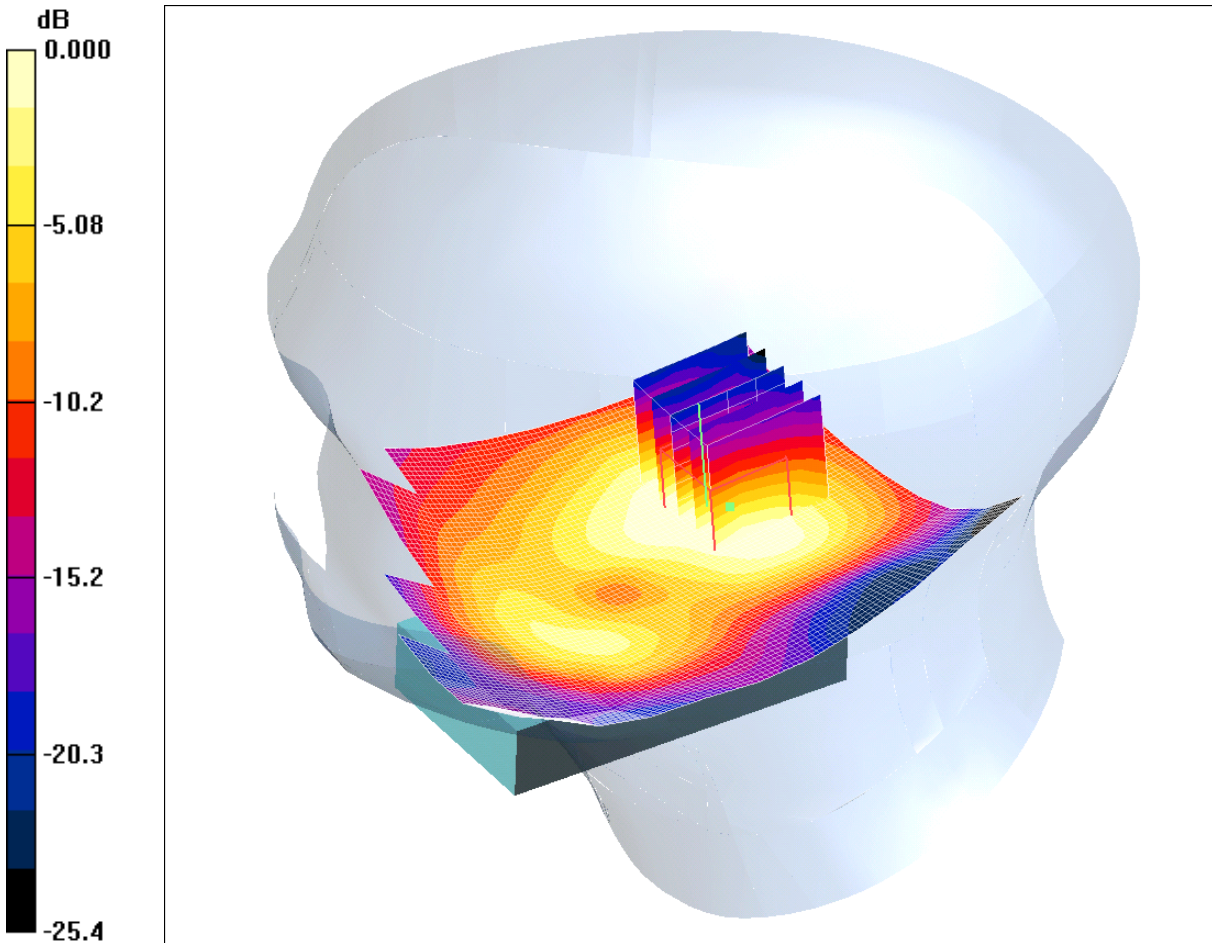
SAR(1 g) = 0.116 mW/g; SAR(10 g) = 0.061 mW/g

Maximum value of SAR (measured) = 0.122 mW/g

SCN/81152JD01/041: Touch Right WiFi 802.11b 1 Mbps CH6

Date 04/04/2011

DUT: Sony Ericsson Fengli; Type: Fengli CK15a; Serial: WUJ2331C05; IMEI: 004402142120447



Communication System: WLAN; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: 2450 MHz HSL Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 1.8$ mho/m; $\epsilon_r = 38.9$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3508; ConvF(7.88, 7.88, 7.88); Calibrated: 15/02/2011

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

- Electronics: DAE3 Sn450; Calibrated: 09/02/2011

- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Touch Right - Middle/Area Scan (81x101x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.152 mW/g

Touch Right - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.67 V/m; Power Drift = -0.037 dB

Peak SAR (extrapolated) = 0.309 W/kg

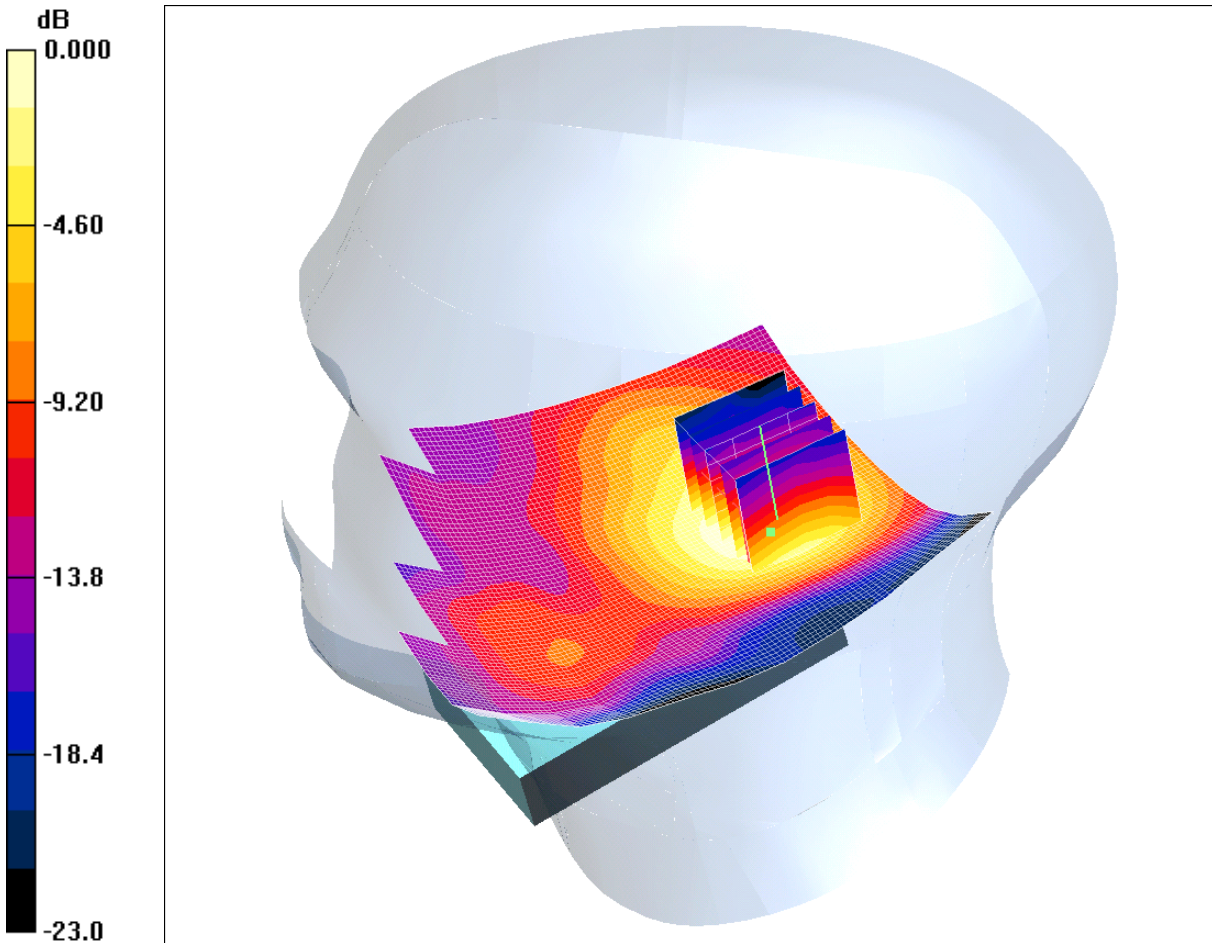
SAR(1 g) = 0.139 mW/g; SAR(10 g) = 0.072 mW/g

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

SCN/81152JD01/042: Tilt Right WiFi 802.11b 1 Mbps CH6

Date 04/04/2011

DUT: Sony Ericsson Fengli; Type: Fengli CK15a; Serial: WUJ2331C05; IMEI: 004402142120447



0 dB = 0.116mW/g

Communication System: WLAN; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: 2450 MHz HSL Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 1.8$ mho/m; $\epsilon_r = 38.9$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3508; ConvF(7.88, 7.88, 7.88); Calibrated: 15/02/2011

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

- Electronics: DAE3 Sn450; Calibrated: 09/02/2011

- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Tilt Right - Middle/Area Scan (81x101x1): Measurement grid: dx=15mm, dy=15mm

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

Tilt Right - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.13 V/m; Power Drift = -0.096 dB

Peak SAR (extrapolated) = 0.201 W/kg

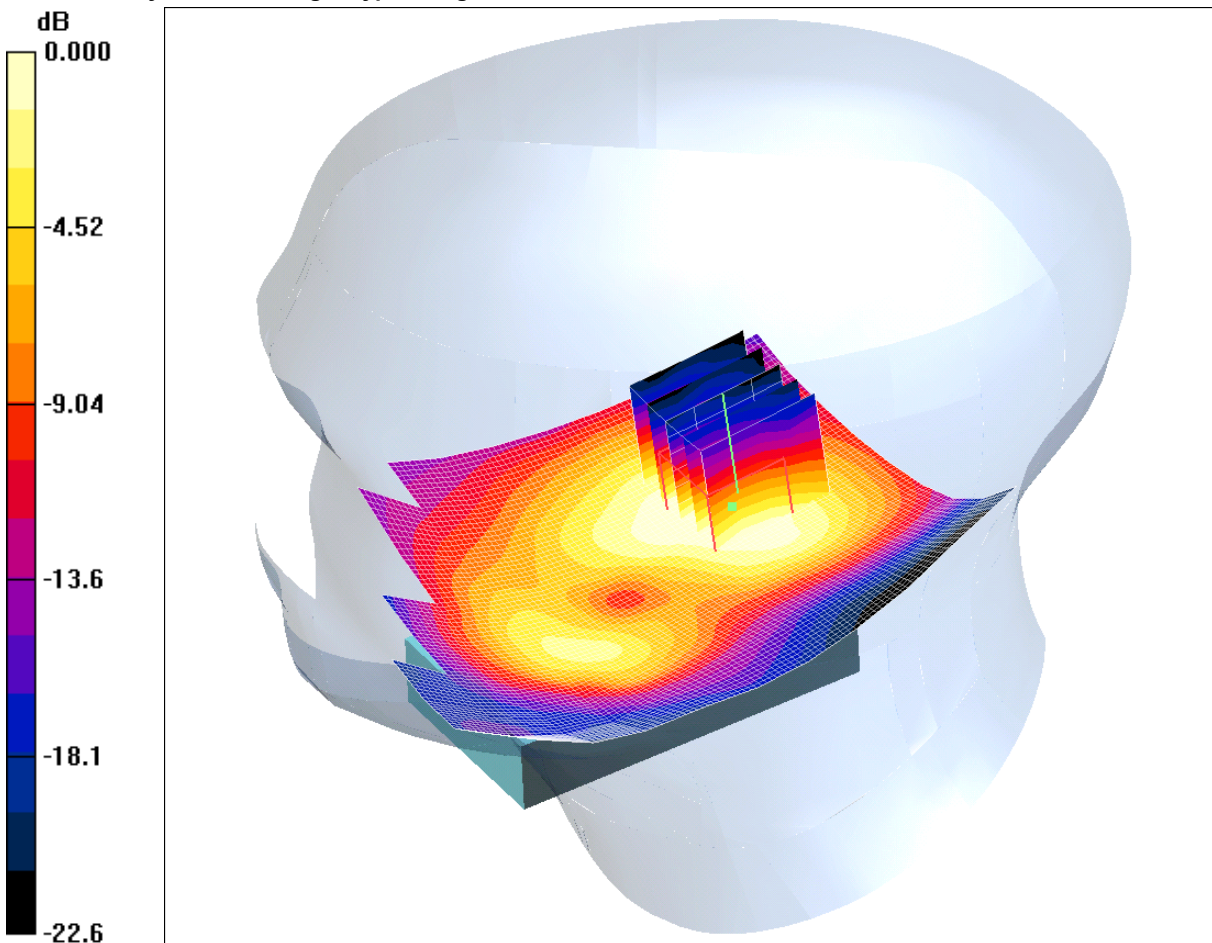
SAR(1 g) = 0.110 mW/g; SAR(10 g) = 0.060 mW/g

Maximum value of SAR (measured) = 0.116 mW/g

SCN/81152JD01/043: Touch Right WiFi 802.11b 1 Mbps CH1

Date 04/04/2011

DUT: Sony Ericsson Fengli; Type: Fengli CK15a; Serial: WUJ2331C05; IMEI: 004402142120447



0 dB = 0.133mW/g

Communication System: WLAN; Frequency: 2412 MHz; Duty Cycle: 1:1

Medium: 2450 MHz HSL Medium parameters used (interpolated): $f = 2412$ MHz; $\sigma = 1.77$ mho/m; $\epsilon_r = 39$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3508; ConvF(7.88, 7.88, 7.88); Calibrated: 15/02/2011

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

- Electronics: DAE3 Sn450; Calibrated: 09/02/2011

- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Touch Right - Low/Area Scan (81x101x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.140 mW/g

Touch Right - Low/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.15 V/m; Power Drift = 0.201 dB

Peak SAR (extrapolated) = 0.280 W/kg

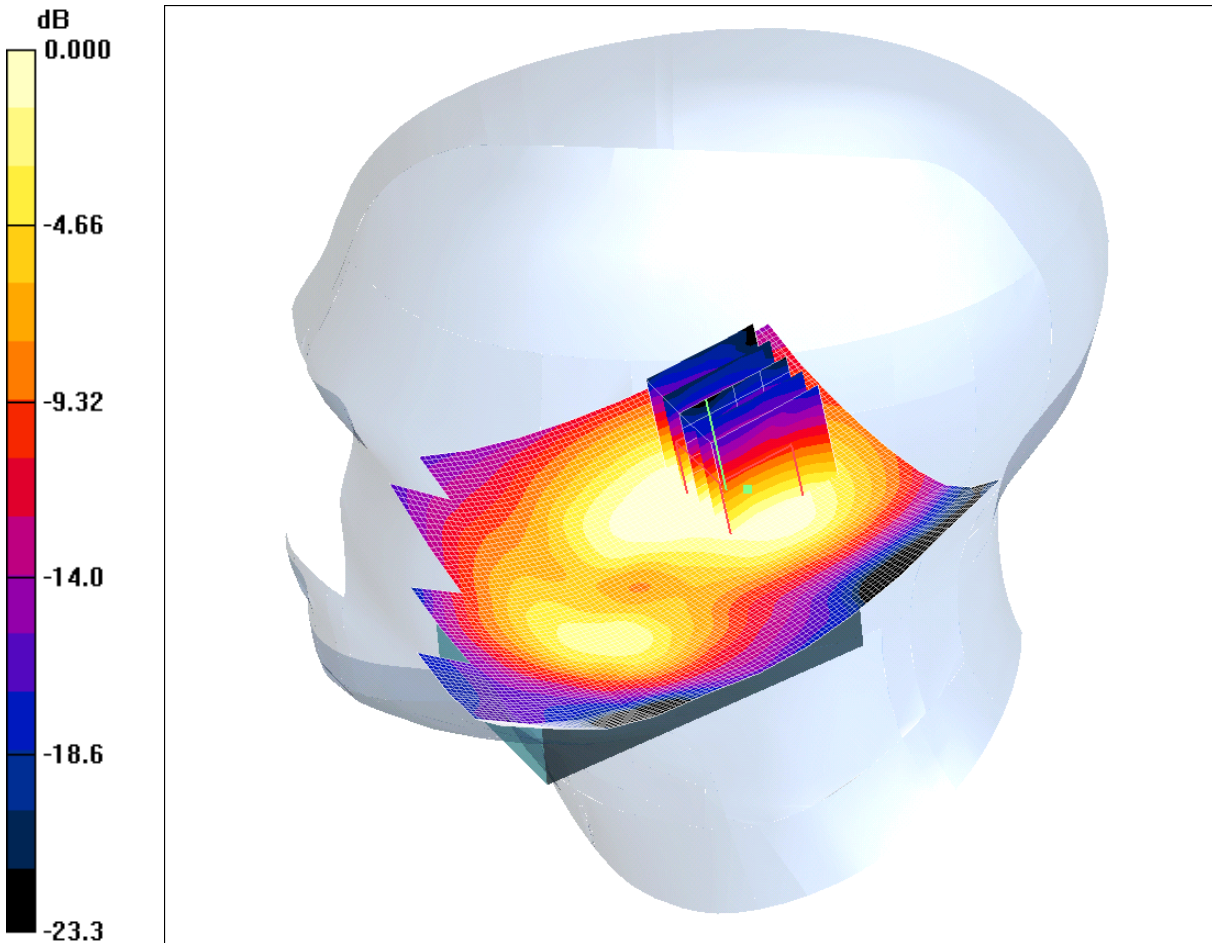
SAR(1 g) = 0.128 mW/g; SAR(10 g) = 0.067 mW/g

Maximum value of SAR (measured) = 0.133 mW/g

SCN/81152JD01/044: Touch Right WiFi 802.11b 1 Mbps CH11

Date 04/04/2011

DUT: Sony Ericsson Fengli; Type: Fengli CK15a; Serial: WUJ2331C05; IMEI: 004402142120447



0 dB = 0.120mW/g

Communication System: WLAN; Frequency: 2462 MHz; Duty Cycle: 1:1

Medium: 2450 MHz HSL Medium parameters used (interpolated): $f = 2462$ MHz; $\sigma = 1.83$ mho/m; $\epsilon_r = 38.9$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3508; ConvF(7.88, 7.88, 7.88); Calibrated: 15/02/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 09/02/2011
- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Touch Right - High/Area Scan (81x101x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.142 mW/g

Touch Right - High/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.13 V/m; Power Drift = -0.317 dB

Peak SAR (extrapolated) = 0.263 W/kg

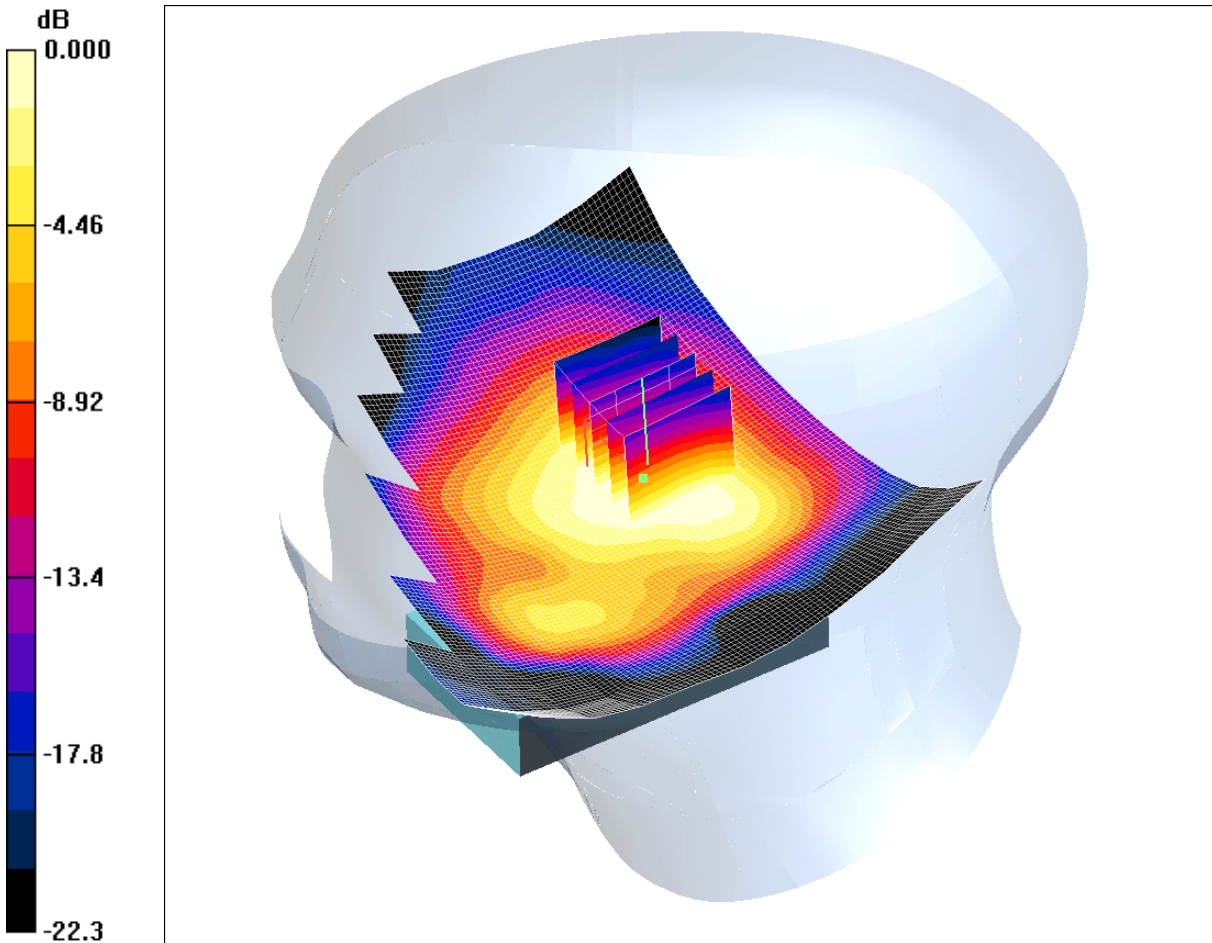
SAR(1 g) = 0.117 mW/g; SAR(10 g) = 0.061 mW/g

Maximum value of SAR (measured) = 0.120 mW/g

SCN/81152JD01/045: Touch Right With Slide Open WiFi 802.11b 1 Mbps CH6

Date 04/04/2011

DUT: Sony Ericsson Fengli; Type: Fengli CK15a; Serial: WUJ2331C05; IMEI: 004402142120447



0 dB = 0.285mW/g

Communication System: WLAN; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: 2450 MHz HSL Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 1.8$ mho/m; $\epsilon_r = 38.9$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3508; ConvF(7.88, 7.88, 7.88); Calibrated: 15/02/2011

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

- Electronics: DAE3 Sn450; Calibrated: 09/02/2011

- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Touch Right - Middle/Area Scan (111x101x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.282 mW/g

Touch Right - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.4 V/m; Power Drift = -0.138 dB

Peak SAR (extrapolated) = 0.490 W/kg

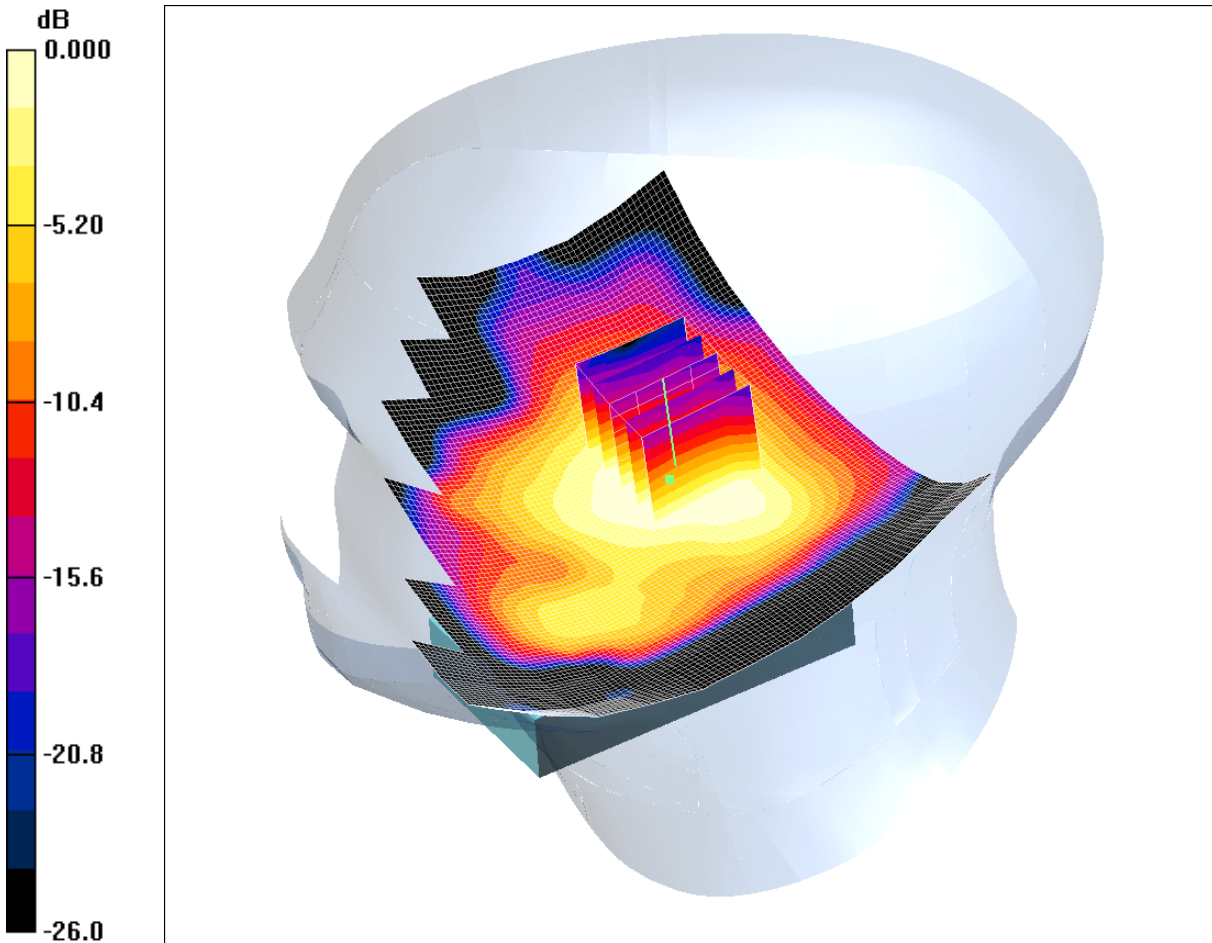
SAR(1 g) = 0.264 mW/g; SAR(10 g) = 0.148 mW/g

Maximum value of SAR (measured) = 0.285 mW/g

SCN/81152JD01/046: Touch Right With Slide Open WiFi 802.11g 6 Mbps CH6

Date 04/04/2011

DUT: Sony Ericsson Fengli; Type: Fengli CK15a; Serial: WUJ2331C05; IMEI: 004402142120447



0 dB = 0.119mW/g

Communication System: WLAN; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: 2450 MHz HSL Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 1.8$ mho/m; $\epsilon_r = 38.9$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3508; ConvF(7.88, 7.88, 7.88); Calibrated: 15/02/2011

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

- Electronics: DAE3 Sn450; Calibrated: 09/02/2011

- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Touch Right - Middle/Area Scan (111x101x1): Measurement grid: dx=15mm, dy=15mm

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

Touch Right - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.69 V/m; Power Drift = 0.067 dB

Peak SAR (extrapolated) = 0.208 W/kg

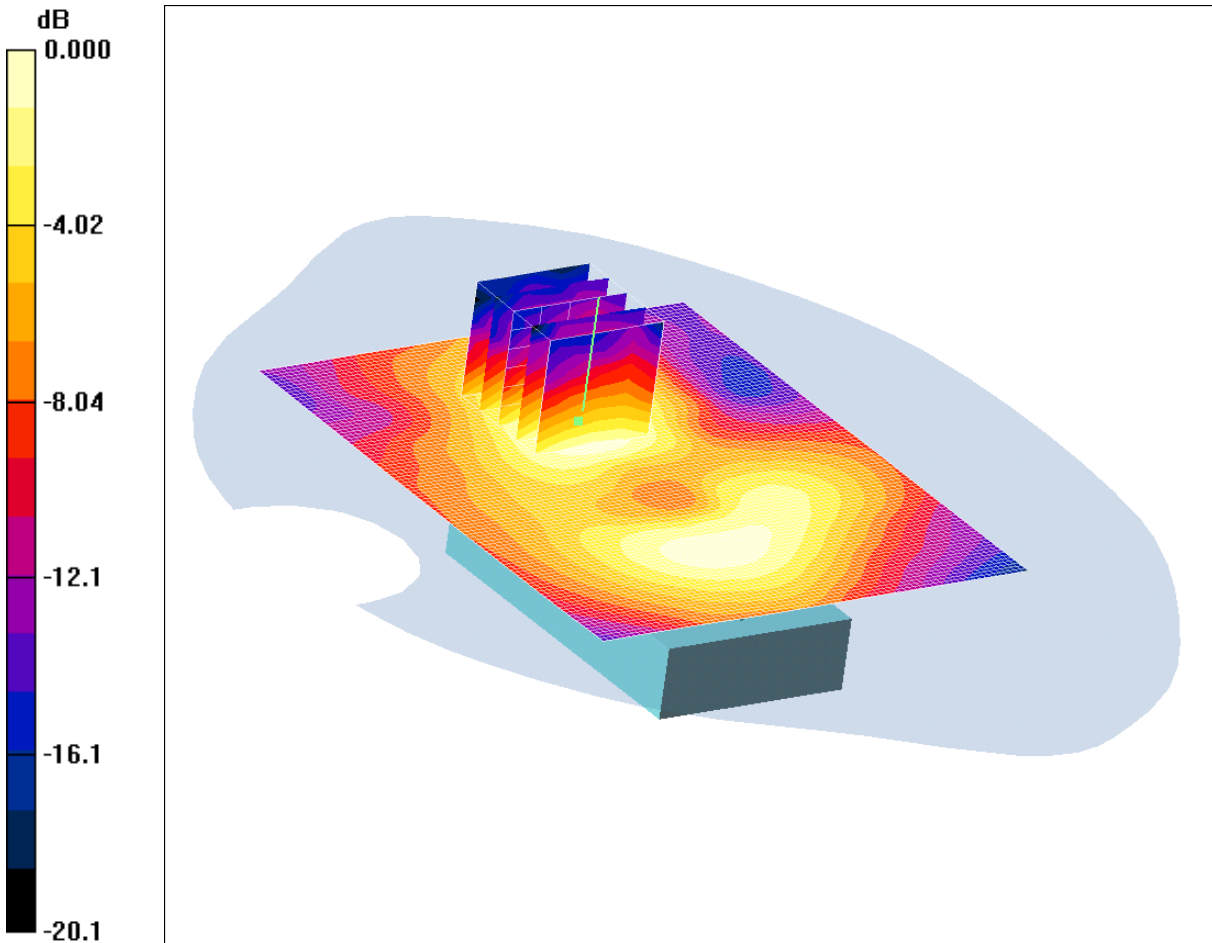
SAR(1 g) = 0.111 mW/g; SAR(10 g) = 0.062 mW/g

Maximum value of SAR (measured) = 0.119 mW/g

SCN/81152JD01/047: Front of EUT Facing Phantom WiFi 802.11b 1 Mbps CH6

Date 04/04/2011

DUT: Sony Ericsson Fengli; Type: Fengli CK15a; Serial: WUJ2331C05; IMEI: 004402142120447



0 dB = 0.036mW/g

Communication System: WLAN; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: 2450 MHz MSL Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 2$ mho/m; $\epsilon_r = 50.7$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3508; ConvF(7.97, 7.97, 7.97); Calibrated: 15/02/2011

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

- Electronics: DAE3 Sn450; Calibrated: 09/02/2011

- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Front of EUT Facing Phantom - Middle/Area Scan (81x101x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.039 mW/g

Front of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.81 V/m; Power Drift = 0.083 dB

Peak SAR (extrapolated) = 0.057 W/kg

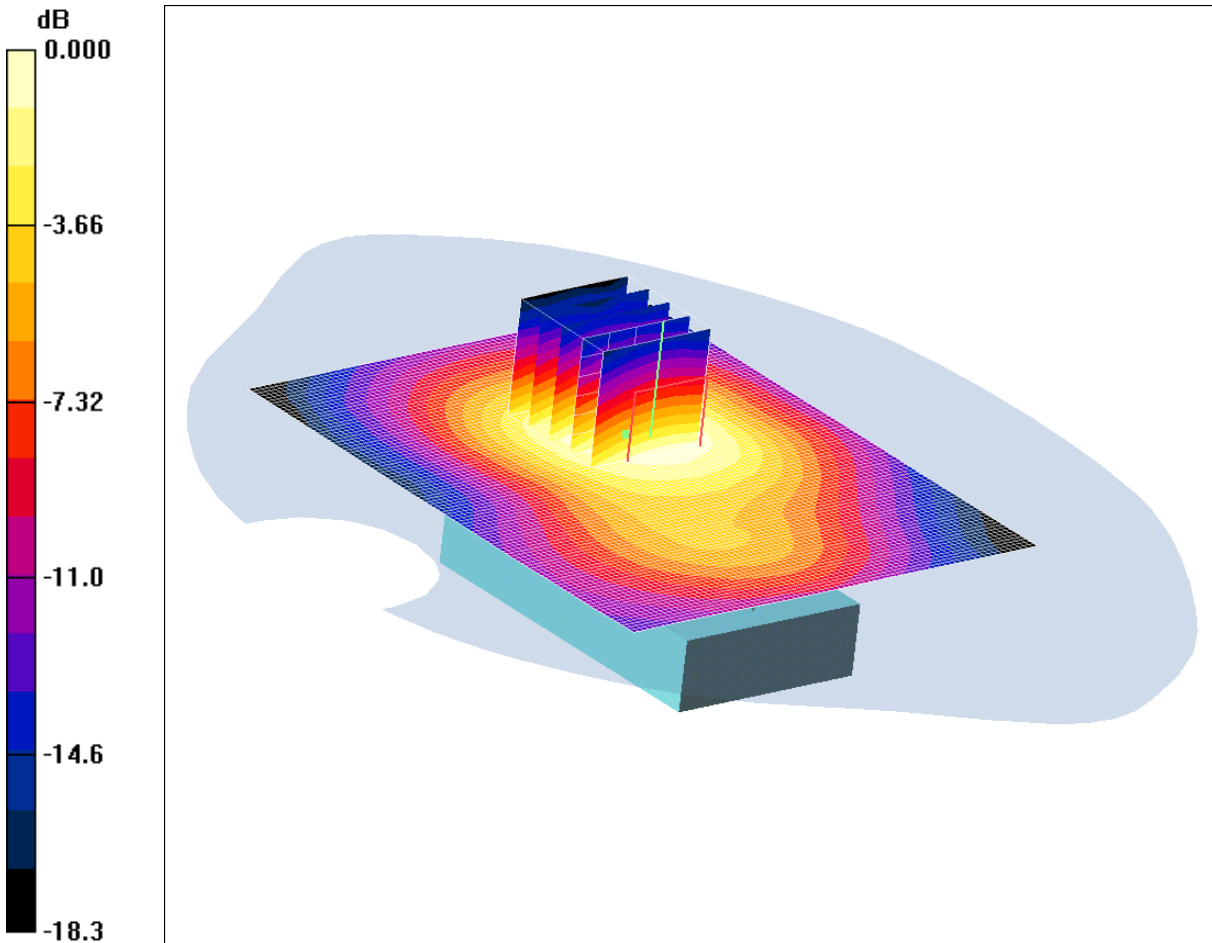
SAR(1 g) = 0.034 mW/g; SAR(10 g) = 0.019 mW/g

Maximum value of SAR (measured) = 0.036 mW/g

SCN/81152JD01/048: Rear of EUT Facing Phantom WiFi 802.11b 1 Mbps CH6

Date 04/04/2011

DUT: Sony Ericsson Fengli; Type: Fengli CK15a; Serial: WUJ2331C05; IMEI: 004402142120447



0 dB = 0.168mW/g

Communication System: WLAN; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: 2450 MHz MSL Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 2$ mho/m; $\epsilon_r = 50.7$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3508; ConvF(7.97, 7.97, 7.97); Calibrated: 15/02/2011

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

- Electronics: DAE3 Sn450; Calibrated: 09/02/2011

- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Rear of EUT Facing Phantom - Middle/Area Scan (81x101x1): Measurement grid: dx=15mm, dy=15mm

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

Rear of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.15 V/m; Power Drift = 0.161 dB

Peak SAR (extrapolated) = 0.274 W/kg

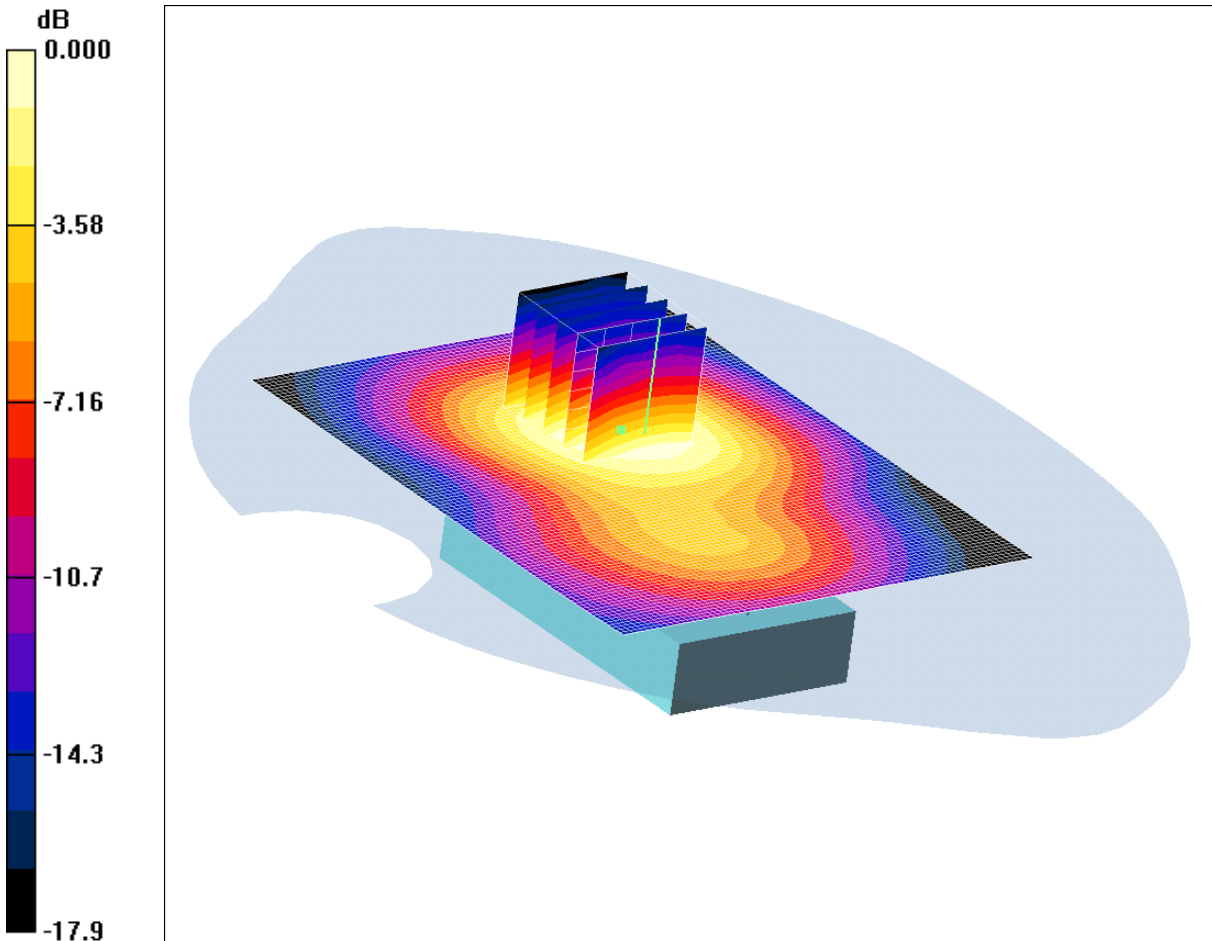
SAR(1 g) = 0.157 mW/g; SAR(10 g) = 0.093 mW/g

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

SCN/81152JD01/049: Rear of EUT Facing Phantom WiFi 802.11b 1 Mbps CH1

Date 04/04/2011

DUT: Sony Ericsson Fengli; Type: Fengli CK15a; Serial: WUJ2331C05; IMEI: 004402142120447



0 dB = 0.164mW/g

Communication System: WLAN; Frequency: 2412 MHz; Duty Cycle: 1:1

Medium: 2450 MHz MSL Medium parameters used (interpolated): $f = 2412$ MHz; $\sigma = 1.97$ mho/m; $\epsilon_r = 50.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3508; ConvF(7.97, 7.97, 7.97); Calibrated: 15/02/2011

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

- Electronics: DAE3 Sn450; Calibrated: 09/02/2011

- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Rear of EUT Facing Phantom - Low/Area Scan (81x101x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.173 mW/g

Rear of EUT Facing Phantom - Low/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.63 V/m; Power Drift = 0.063 dB

Peak SAR (extrapolated) = 0.266 W/kg

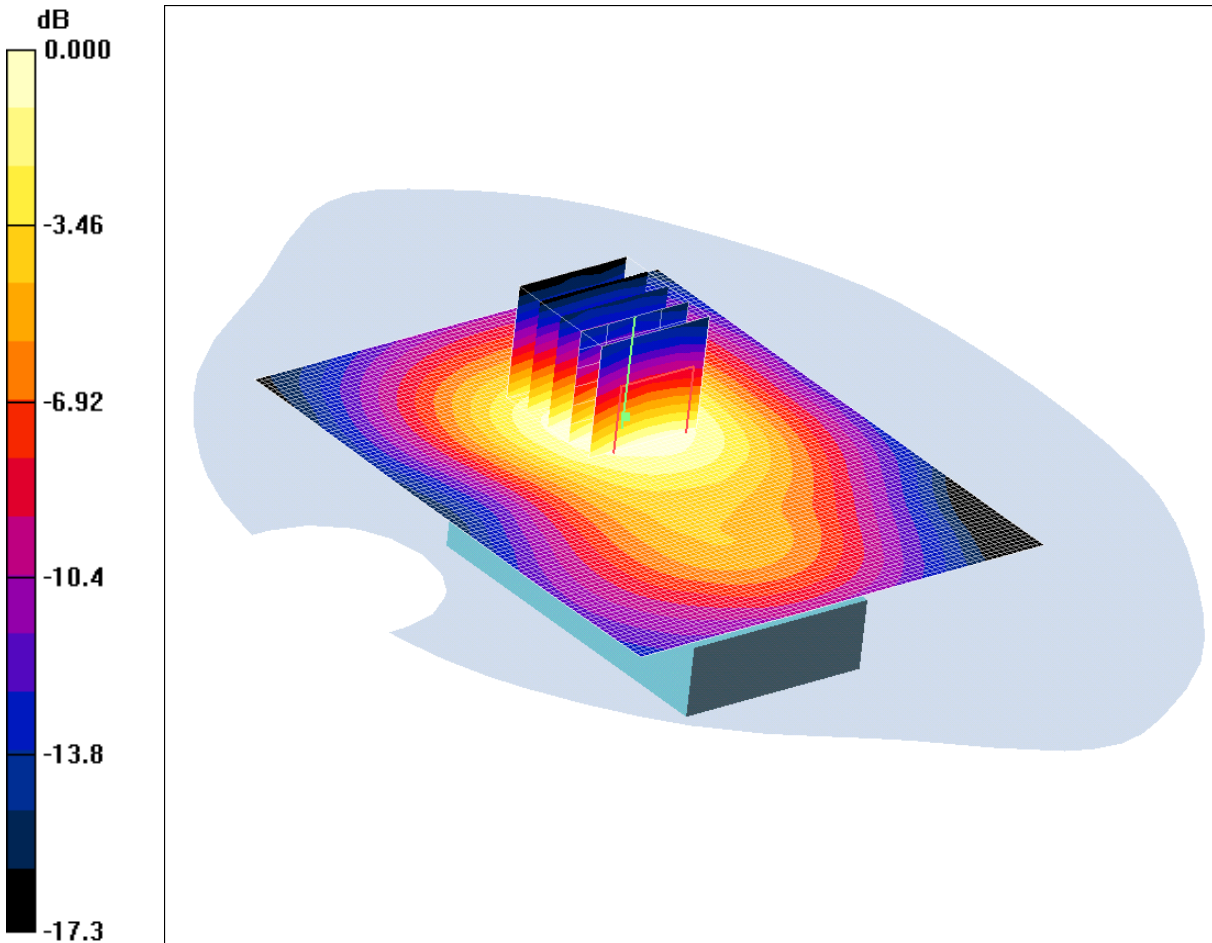
SAR(1 g) = 0.155 mW/g; SAR(10 g) = 0.091 mW/g

Maximum value of SAR (measured) = 0.164 mW/g

SCN/81152JD01/050: Rear of EUT Facing Phantom WiFi 802.11b 1 Mbps CH11

Date 04/04/2011

DUT: Sony Ericsson Fengli; Type: Fengli CK15a; Serial: WUJ2331C05; IMEI: 004402142120447



0 dB = 0.195mW/g

Communication System: WLAN; Frequency: 2462 MHz; Duty Cycle: 1:1

Medium: 2450 MHz MSL Medium parameters used (interpolated): $f = 2462$ MHz; $\sigma = 2.03$ mho/m; $\epsilon_r = 50.7$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3508; ConvF(7.97, 7.97, 7.97); Calibrated: 15/02/2011

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

- Electronics: DAE3 Sn450; Calibrated: 09/02/2011

- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Rear of EUT Facing Phantom - High/Area Scan (81x101x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.206 mW/g

Rear of EUT Facing Phantom - High/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.62 V/m; Power Drift = 0.106 dB

Peak SAR (extrapolated) = 0.317 W/kg

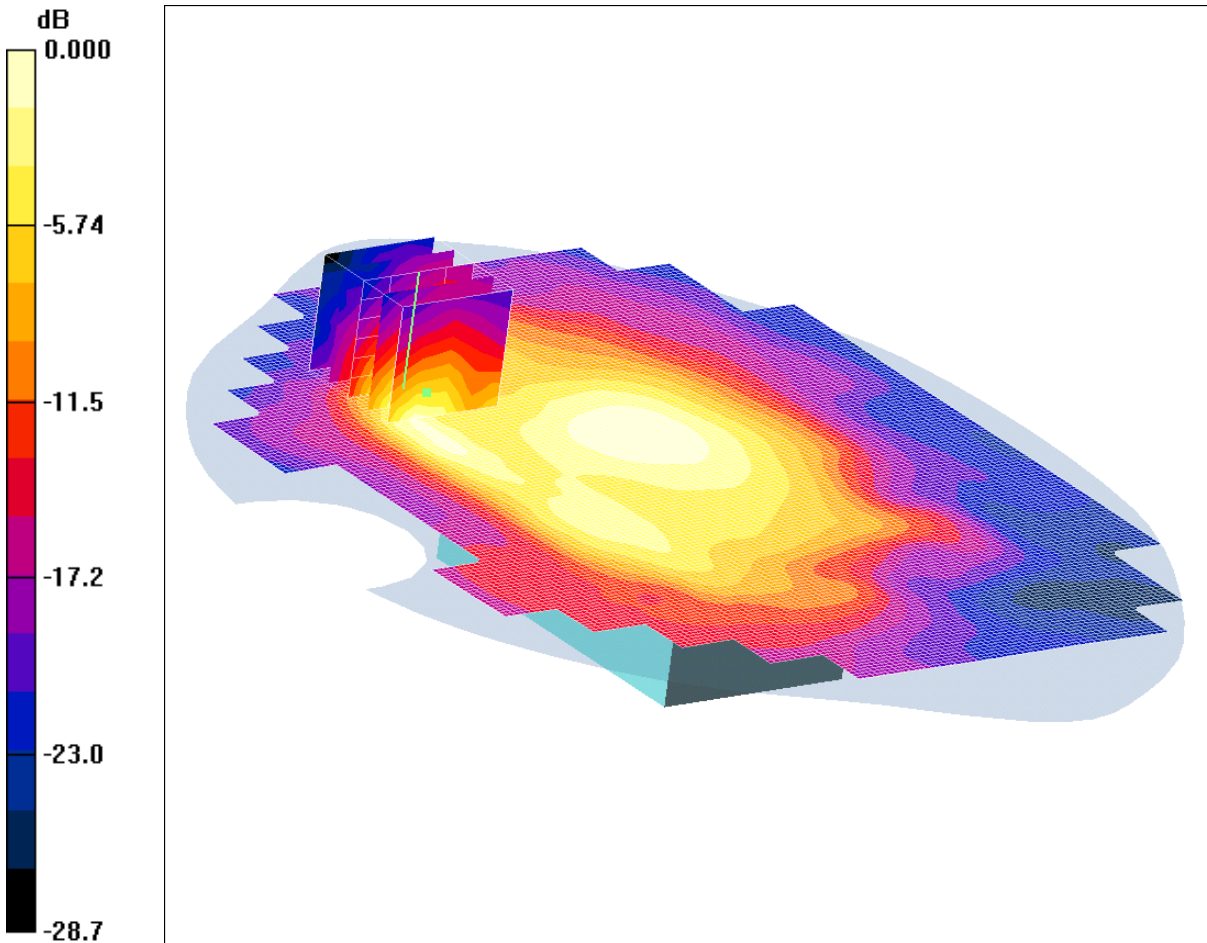
SAR(1 g) = 0.182 mW/g; SAR(10 g) = 0.108 mW/g

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

SCN/81152JD01/051: Rear of EUT Facing Phantom With PHF WiFi 802.11b 1 Mbps CH11

Date 04/04/2011

DUT: Sony Ericsson Fengli; Type: Fengli CK15a; Serial: WUJ2331C05; IMEI: 004402142120447



0 dB = 0.245mW/g

Communication System: WLAN; Frequency: 2462 MHz; Duty Cycle: 1:1

Medium: 2450 MHz MSL Medium parameters used (interpolated): $f = 2462$ MHz; $\sigma = 2.03$ mho/m; $\epsilon_r = 50.7$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3508; ConvF(7.97, 7.97, 7.97); Calibrated: 15/02/2011

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

- Electronics: DAE3 Sn450; Calibrated: 09/02/2011

- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Rear of EUT Facing Phantom - High/Area Scan (121x161x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.271 mW/g

Rear of EUT Facing Phantom - High/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.29 V/m; Power Drift = 0.000 dB

Peak SAR (extrapolated) = 0.510 W/kg

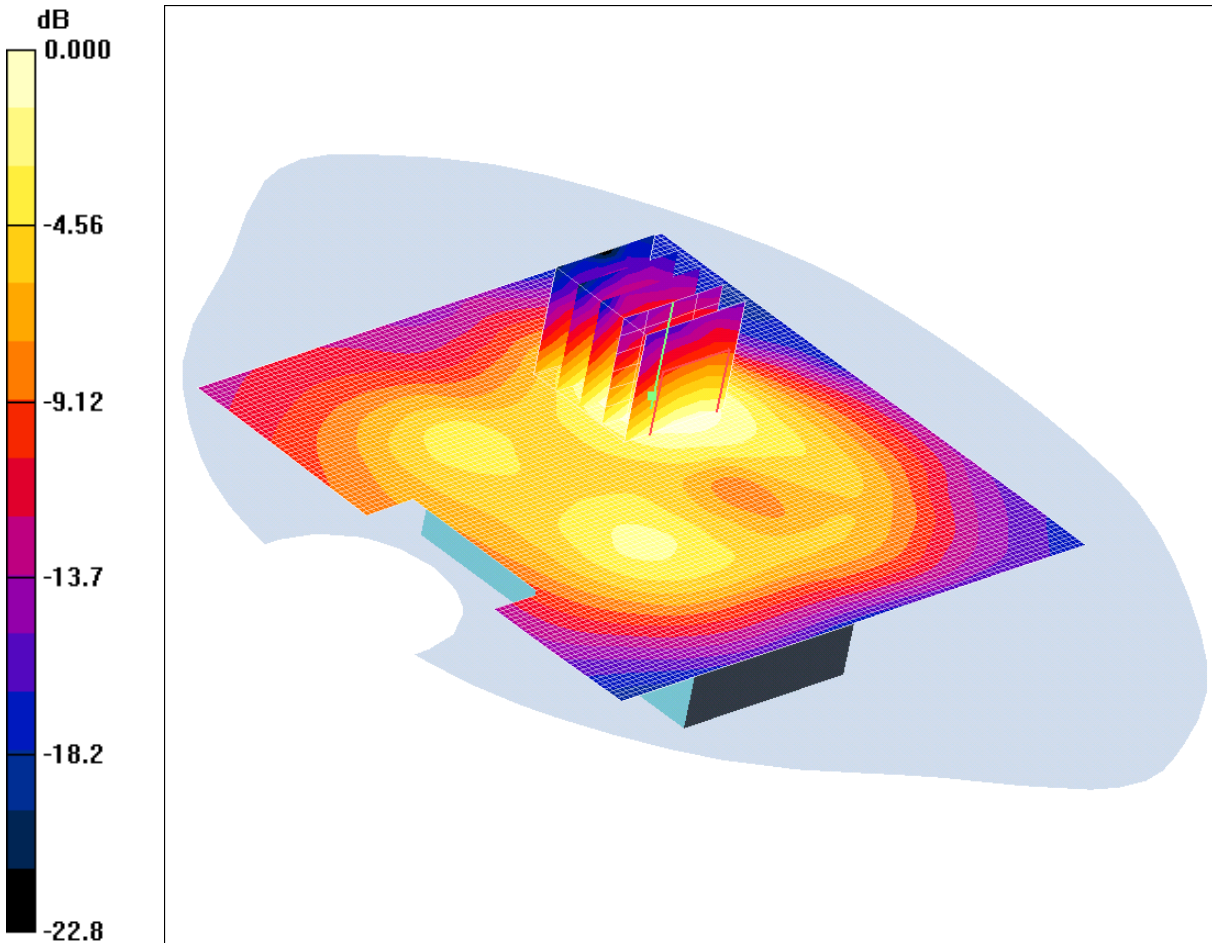
SAR(1 g) = 0.212 mW/g; SAR(10 g) = 0.091 mW/g

Maximum value of SAR (measured) = 0.245 mW/g

SCN/81152JD01/052: Front of EUT With Slide Open Facing Phantom WiFi 802.11b 1 Mbps CH11

Date 04/04/2011

DUT: Sony Ericsson Fengli; Type: Fengli CK15a; Serial: WUJ2331C05; IMEI: 004402142120447



0 dB = 0.090mW/g

Communication System: WLAN; Frequency: 2462 MHz; Duty Cycle: 1:1

Medium: 2450 MHz MSL Medium parameters used (interpolated): $f = 2462$ MHz; $\sigma = 2.03$ mho/m; $\epsilon_r = 50.7$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3508; ConvF(7.97, 7.97, 7.97); Calibrated: 15/02/2011

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

- Electronics: DAE3 Sn450; Calibrated: 09/02/2011

- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Front of EUT Facing Phantom - High/Area Scan (101x101x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.097 mW/g

Front of EUT Facing Phantom - High/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.56 V/m; Power Drift = 0.203 dB

Peak SAR (extrapolated) = 0.153 W/kg

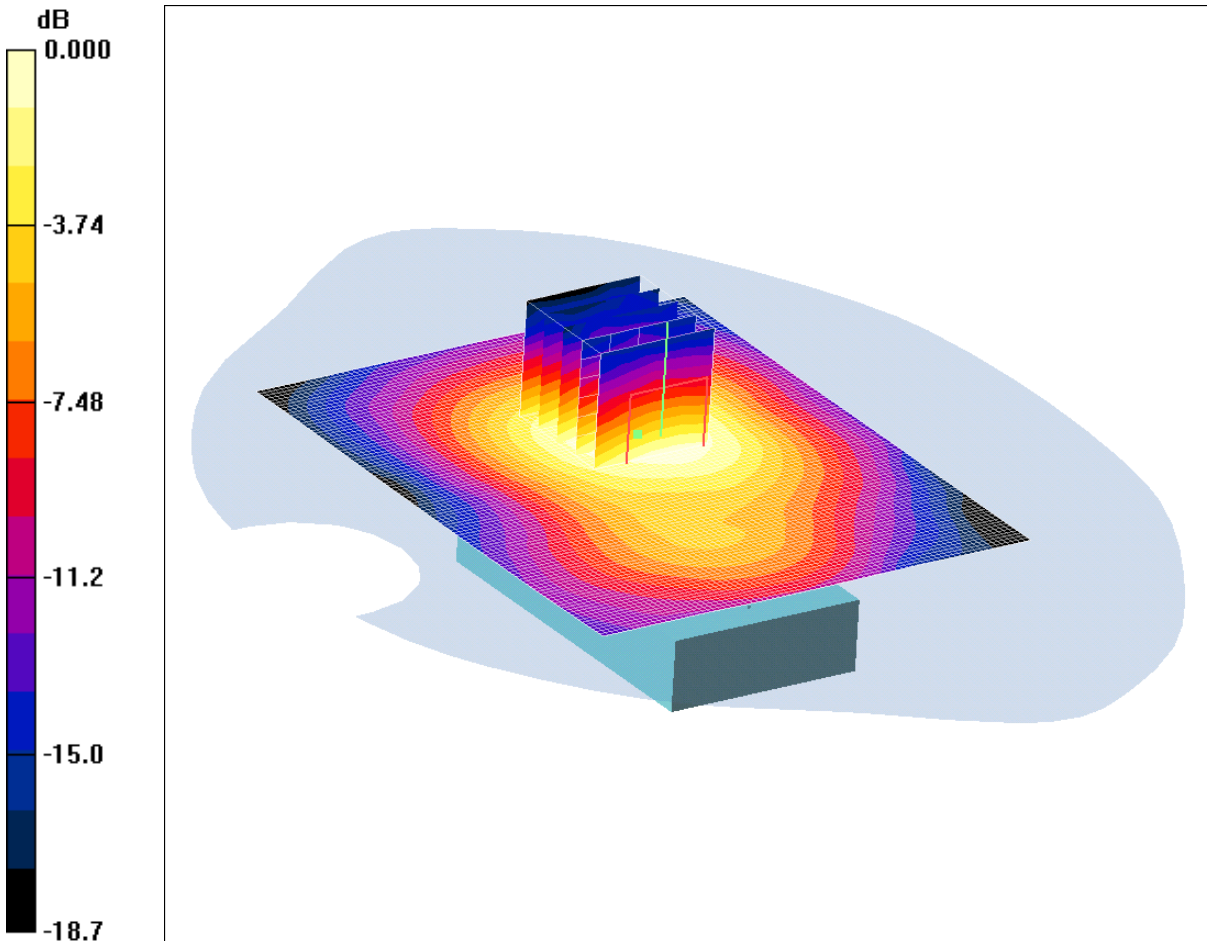
SAR(1 g) = 0.086 mW/g; SAR(10 g) = 0.048 mW/g

Maximum value of SAR (measured) = 0.090 mW/g

SCN/81152JD01/053: Rear of EUT Facing Phantom WiFi 802.11g 6 Mbps CH11

Date 04/04/2011

DUT: Sony Ericsson Fengli; Type: Fengli CK15a; Serial: WUJ2331C05; IMEI: 004402142120447



0 dB = 0.093mW/g

Communication System: WLAN; Frequency: 2462 MHz; Duty Cycle: 1:1

Medium: 2450 MHz MSL Medium parameters used (interpolated): $f = 2462$ MHz; $\sigma = 2.03$ mho/m; $\epsilon_r = 50.7$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3508; ConvF(7.97, 7.97, 7.97); Calibrated: 15/02/2011

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

- Electronics: DAE3 Sn450; Calibrated: 09/02/2011

- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

Rear of EUT Facing Phantom - High/Area Scan (81x101x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.097 mW/g

Rear of EUT Facing Phantom - High/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.33 V/m; Power Drift = 0.140 dB

Peak SAR (extrapolated) = 0.152 W/kg

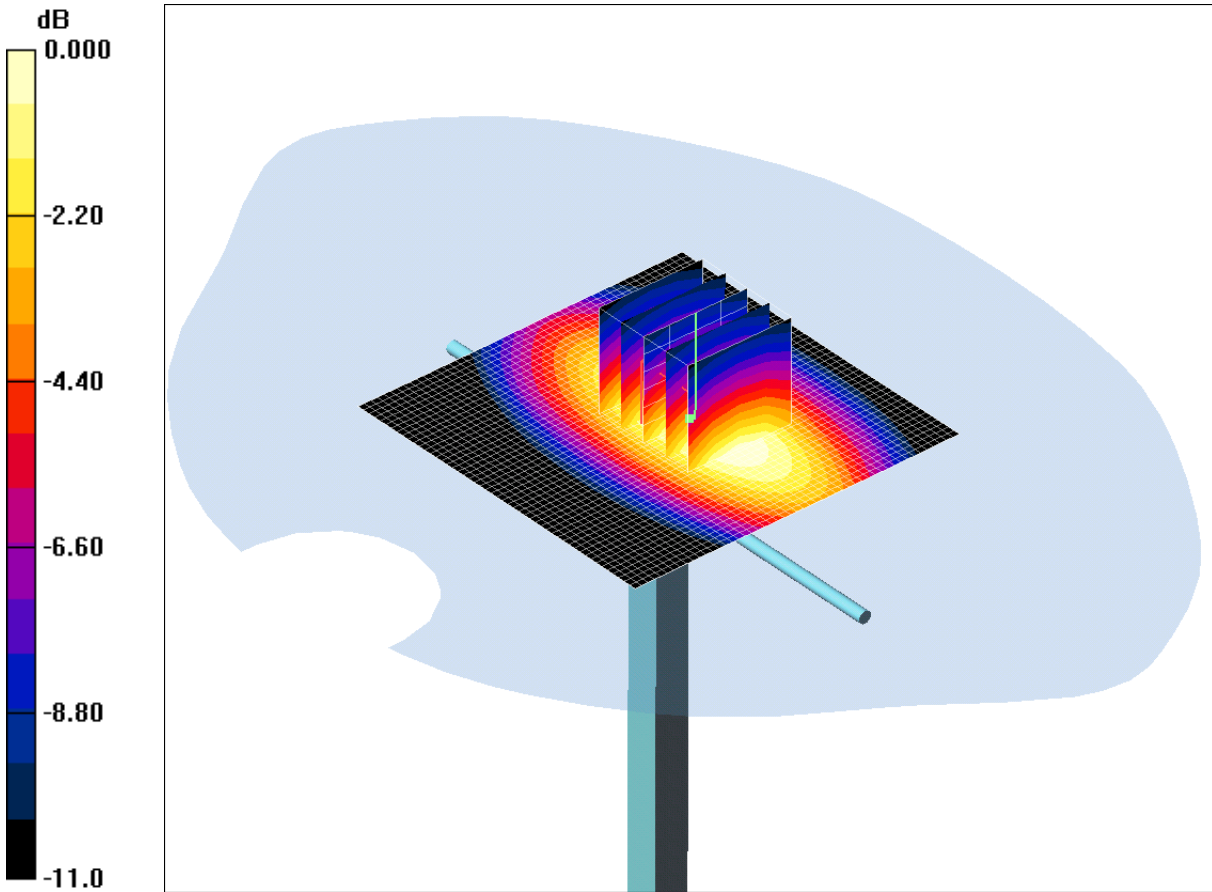
SAR(1 g) = 0.087 mW/g; SAR(10 g) = 0.051 mW/g

Maximum value of SAR (measured) = 0.093 mW/g

SCN/81152JD01/054: System Performance Check 900MHz Head 22 03 11

Date 22/03/2011

DUT: Dipole 900 MHz; Type: D900V2; Serial: SN124



0 dB = 2.97mW/g

Communication System: CW; Frequency: 900 MHz; Duty Cycle: 1:1

Medium: 900 MHz HSL Medium parameters used: $f = 900 \text{ MHz}$; $\sigma = 0.951 \text{ mho/m}$; $\epsilon_r = 42$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3508; ConvF(10.23, 10.23, 10.23); Calibrated: 15/02/2011

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

- Electronics: DAE3 Sn450; Calibrated: 09/02/2011

- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

d=15mm, Pin=250mW 2/Area Scan (51x51x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 3.01 mW/g

d=15mm, Pin=250mW 2/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 51.8 V/m; Power Drift = -0.009 dB

Peak SAR (extrapolated) = 4.15 W/kg

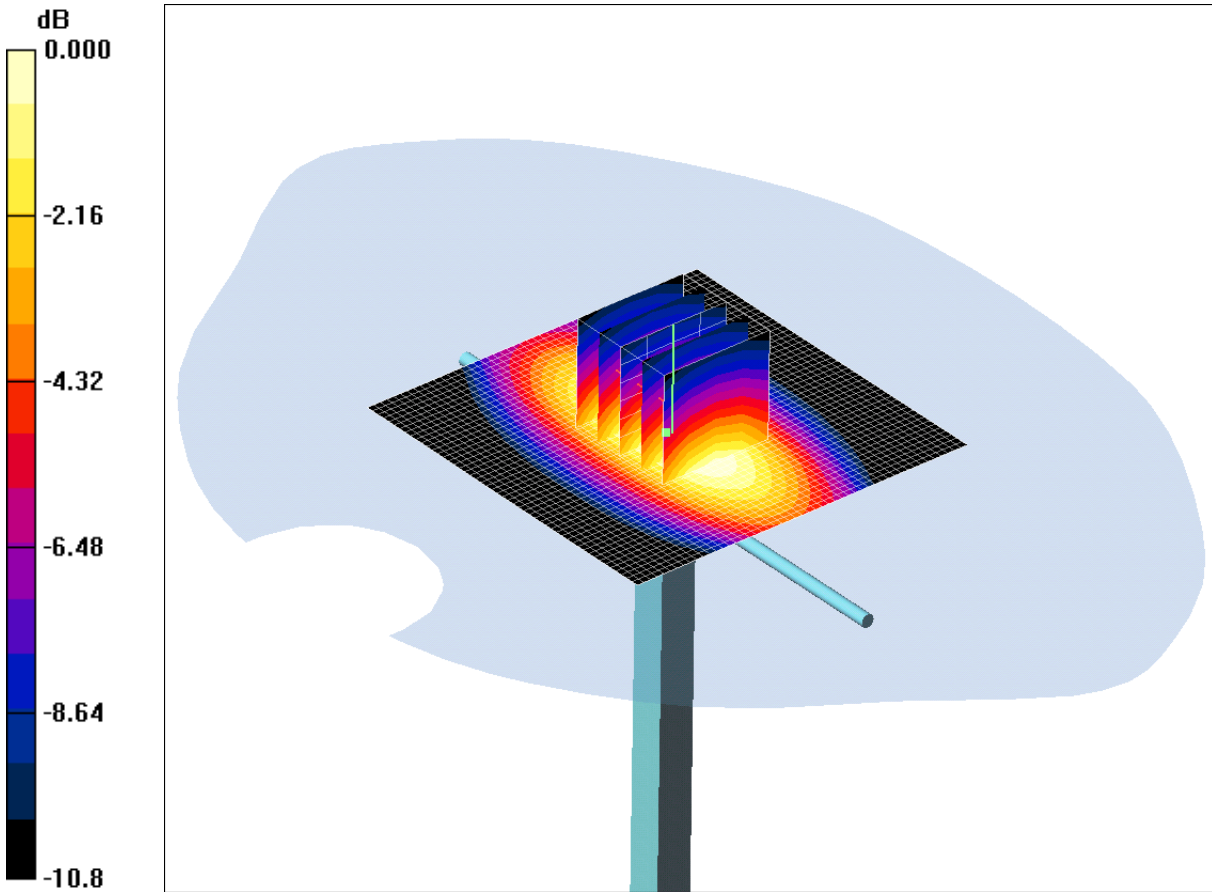
SAR(1 g) = 2.76 mW/g; SAR(10 g) = 1.79 mW/g

Maximum value of SAR (measured) = 2.97 mW/g

SCN/81152JD01/055: System Performance Check 900MHz Body 23 03 11

Date 23/03/2011

DUT: Dipole 900 MHz; Type: D900V2; Serial: SN124



0 dB = 2.90mW/g

Communication System: CW; Frequency: 900 MHz; Duty Cycle: 1:1

Medium: 900 MHz MSL Medium parameters used: $f = 900 \text{ MHz}$; $\sigma = 1.07 \text{ mho/m}$; $\epsilon_r = 54.1$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3508; ConvF(10.27, 10.27, 10.27); Calibrated: 15/02/2011

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

- Electronics: DAE3 Sn450; Calibrated: 09/02/2011

- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

d=15mm, Pin=250mW/Area Scan (51x51x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 3.03 mW/g

d=15mm, Pin=250mW/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 52.7 V/m; Power Drift = -0.136 dB

Peak SAR (extrapolated) = 4.02 W/kg

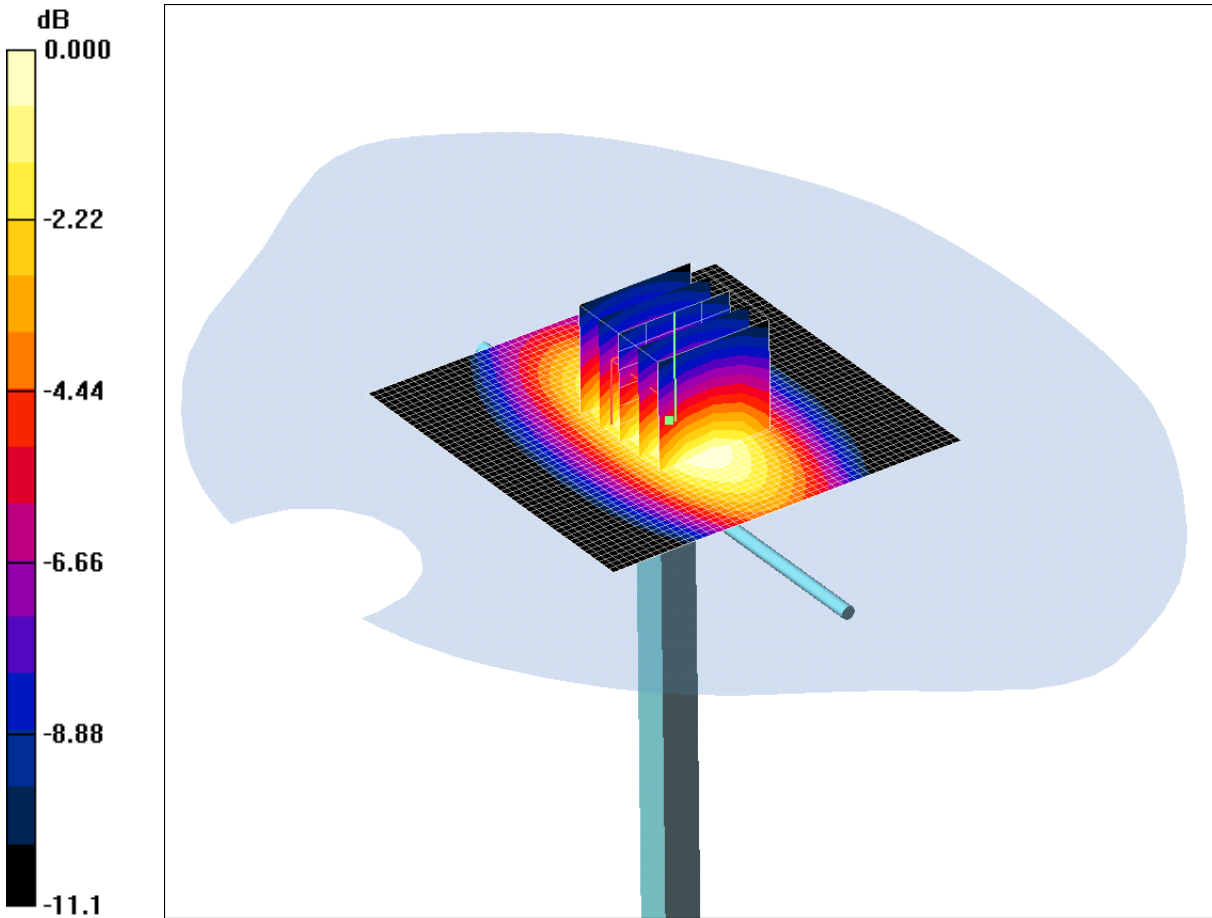
SAR(1 g) = 2.68 mW/g; SAR(10 g) = 1.74 mW/g

Maximum value of SAR (measured) = 2.90 mW/g

SCN/81152JD01/056: System Performance Check 900MHz Body 24 03 11

Date 24/03/2011

DUT: Dipole 900 MHz; Type: D900V2; Serial: SN124



0 dB = 3.01mW/g

Communication System: CW; Frequency: 900 MHz; Duty Cycle: 1:1

Medium: 900 MHz MSL Medium parameters used: $f = 900 \text{ MHz}$; $\sigma = 1.07 \text{ mho/m}$; $\epsilon_r = 54.1$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3508; ConvF(10.27, 10.27, 10.27); Calibrated: 15/02/2011

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

- Electronics: DAE3 Sn450; Calibrated: 09/02/2011

- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

d=15mm, Pin=250mW/Area Scan (51x51x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 3.11 mW/g

d=15mm, Pin=250mW/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 53.0 V/m; Power Drift = 0.009 dB

Peak SAR (extrapolated) = 4.23 W/kg

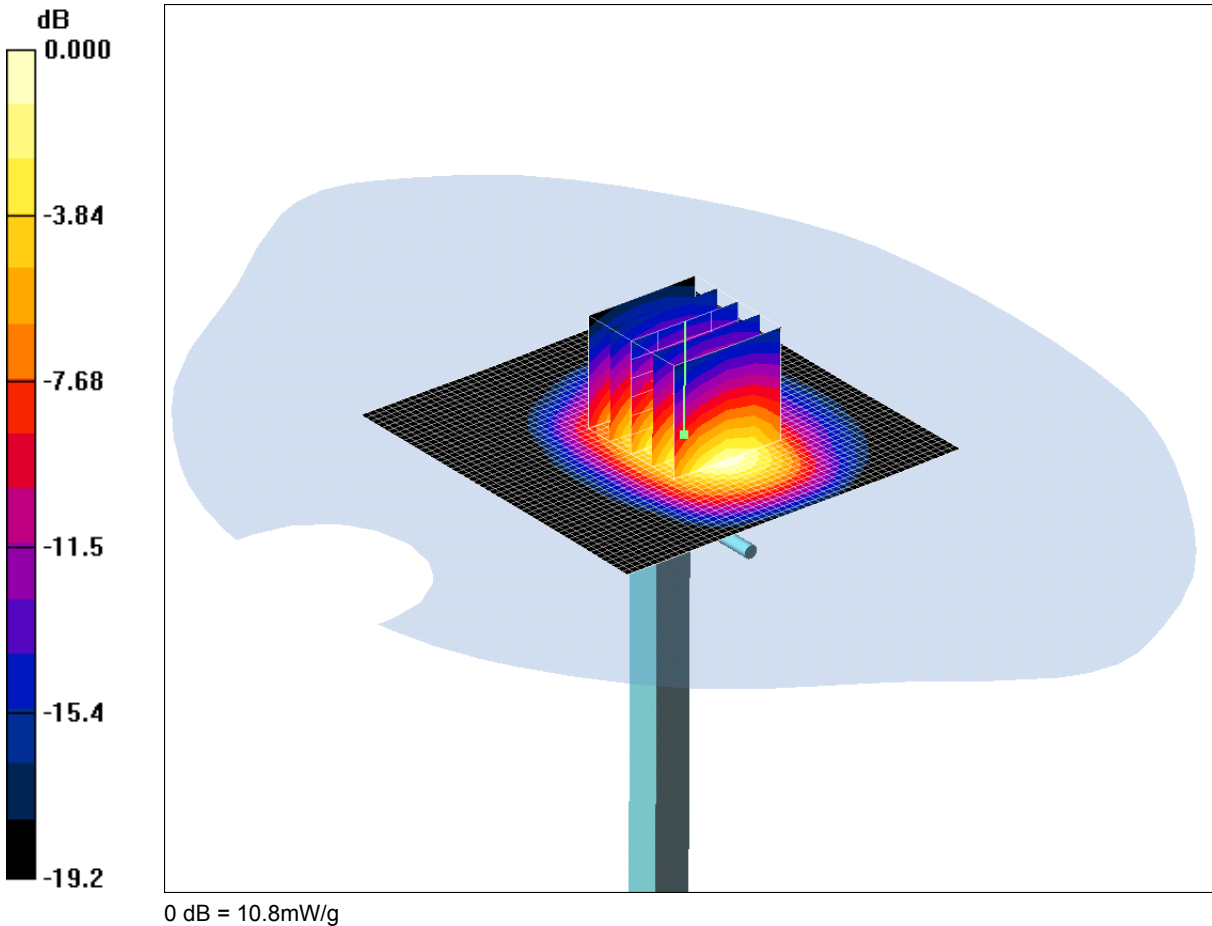
SAR(1 g) = 2.81 mW/g; SAR(10 g) = 1.82 mW/g

Maximum value of SAR (measured) = 3.01 mW/g

SCN/81152JD01/057: System Performance Check 1900MHz Head 17 03 11

Date 17/03/2011

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: SN540



Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1

Medium: 1900 MHz HSL Medium parameters used: $f = 1900 \text{ MHz}$; $\sigma = 1.46 \text{ mho/m}$; $\epsilon_r = 39$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3508; ConvF(8.83, 8.83, 8.83); Calibrated: 15/02/2011

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

- Electronics: DAE3 Sn450; Calibrated: 09/02/2011

- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

d=10mm, Pin=250mW/Area Scan (51x51x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 12.7 mW/g

d=10mm, Pin=250mW/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 75.5 V/m; Power Drift = 0.077 dB

Peak SAR (extrapolated) = 18.6 W/kg

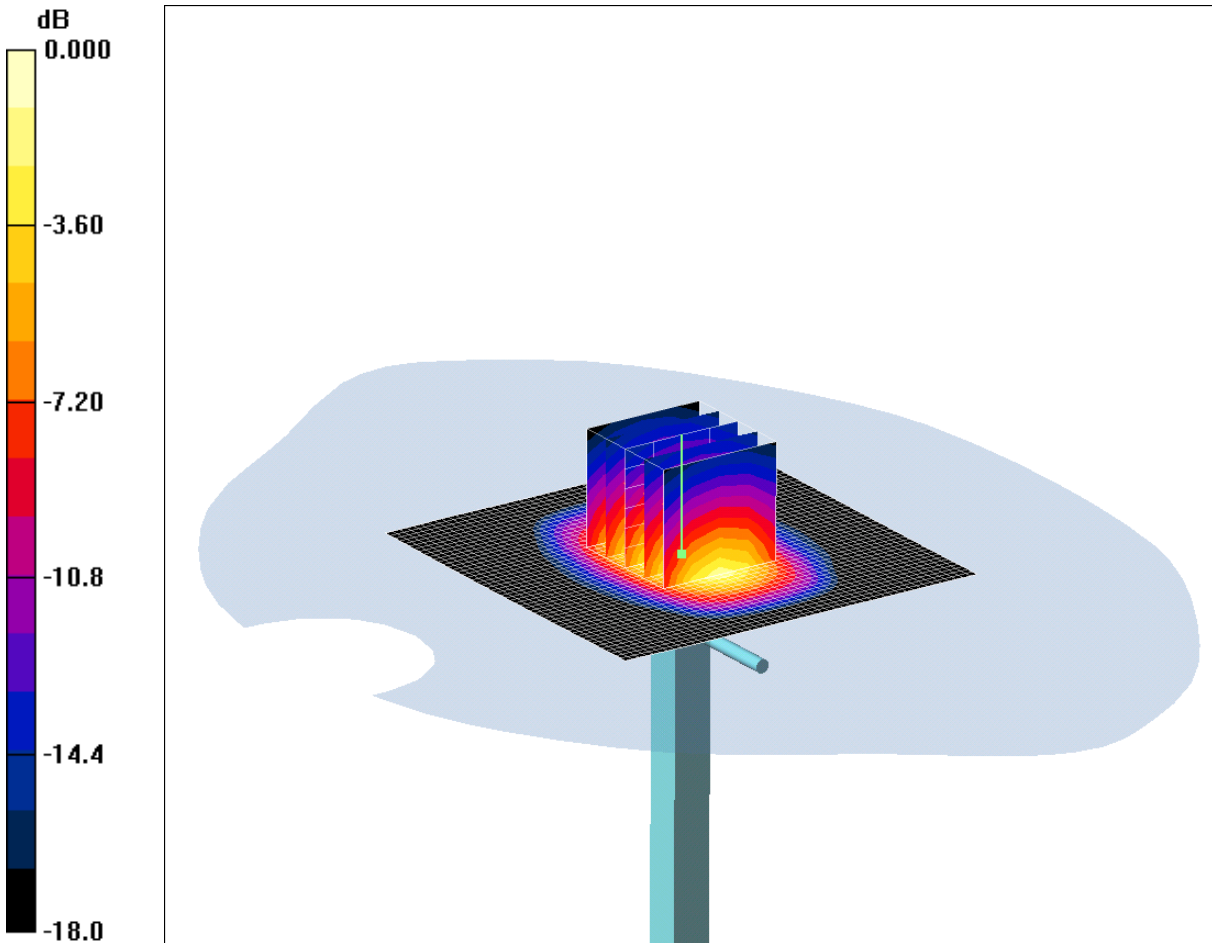
SAR(1 g) = 9.88 mW/g; SAR(10 g) = 5.1 mW/g

Maximum value of SAR (measured) = 10.8 mW/g

SCN/81152JD01/058: System Performance Check 1900MHz Body 31 03 11

Date 31/03/2011

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: SN540



0 dB = 11.3mW/g

Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1

Medium: 1900 MHz MSL Medium parameters used: $f = 1900$ MHz; $\sigma = 1.55$ mho/m; $\epsilon_r = 51.9$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3508; ConvF(8.56, 8.56, 8.56); Calibrated: 15/02/2011

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

- Electronics: DAE3 Sn450; Calibrated: 09/02/2011

- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

d=10mm, Pin=250mW/Area Scan (51x51x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 15.6 mW/g

d=10mm, Pin=250mW/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 84.5 V/m; Power Drift = 0.141 dB

Peak SAR (extrapolated) = 18.7 W/kg

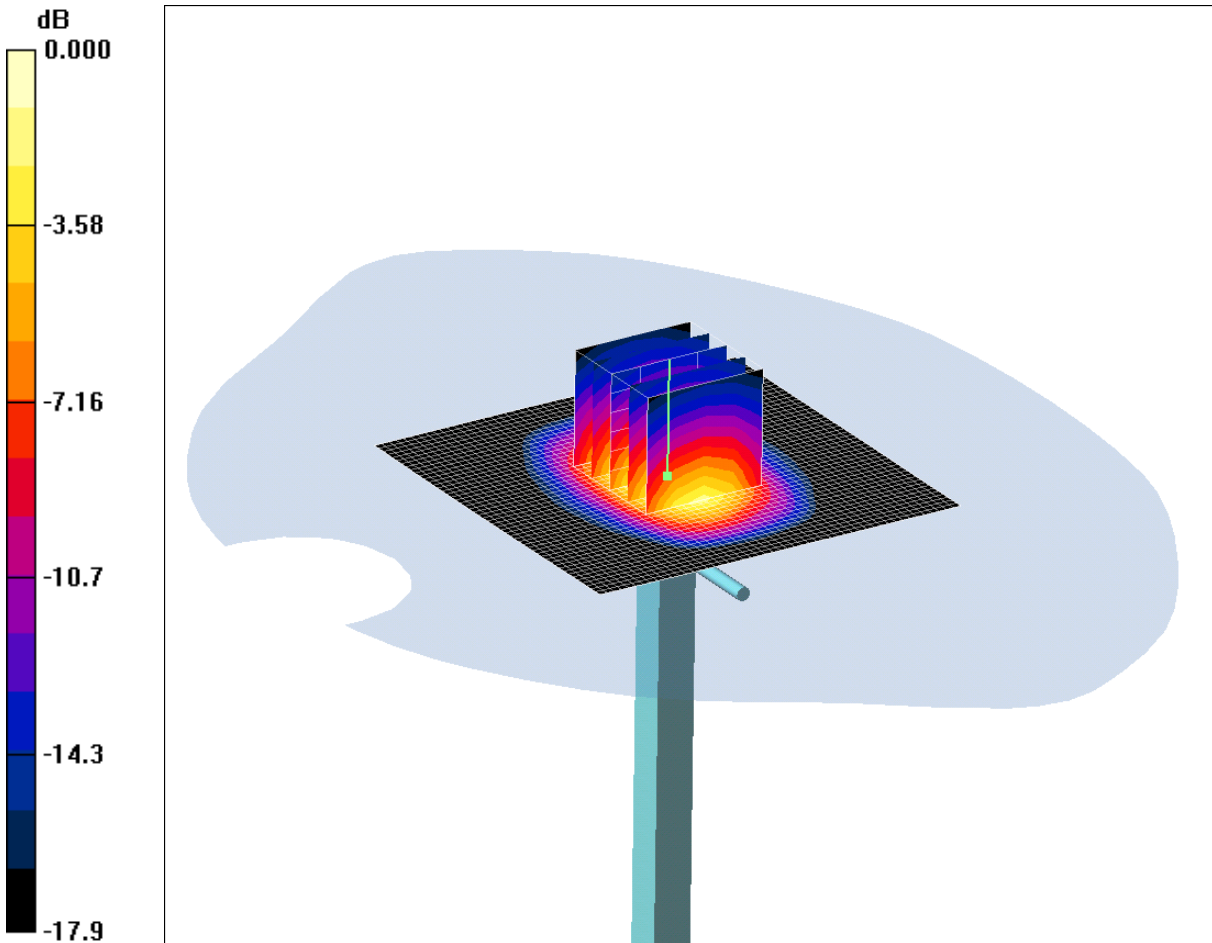
SAR(1 g) = 10.1 mW/g; SAR(10 g) = 5.21 mW/g

Maximum value of SAR (measured) = 11.3 mW/g

SCN/81152JD01/059: System Performance Check 1900MHz Body 01 04 11

Date 01/04/2011

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: SN540



0 dB = 11.4mW/g

Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1

Medium: 1900 MHz MSL Medium parameters used: $f = 1900 \text{ MHz}$; $\sigma = 1.55 \text{ mho/m}$; $\epsilon_r = 51.9$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3508; ConvF(8.56, 8.56, 8.56); Calibrated: 15/02/2011

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

- Electronics: DAE3 Sn450; Calibrated: 09/02/2011

- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

d=10mm, Pin=250mW/Area Scan (51x51x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 15.1 mW/g

d=10mm, Pin=250mW/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 83.7 V/m; Power Drift = 0.267 dB

Peak SAR (extrapolated) = 18.8 W/kg

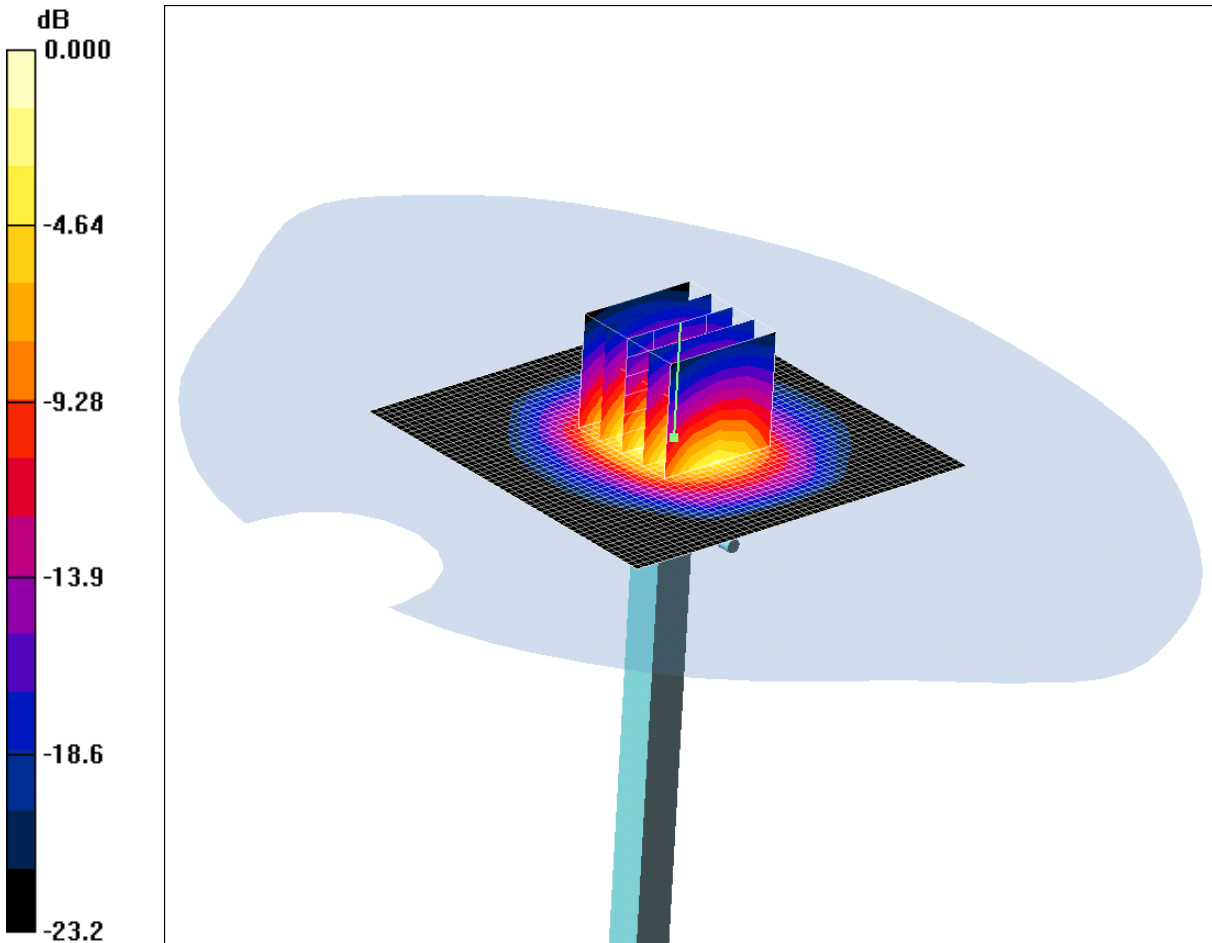
SAR(1 g) = 10.1 mW/g; SAR(10 g) = 5.21 mW/g

Maximum value of SAR (measured) = 11.4 mW/g

SCN/81152JD01/060: System Performance Check 2450MHz Head 04 04 11

Date 04/04/2011

DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN: 725



0 dB = 15.6mW/g

Communication System: CW; Frequency: 2450 MHz; Duty Cycle: 1:1

Medium: 2450 MHz HSL Medium parameters used: $f = 2450$ MHz; $\sigma = 1.82$ mho/m; $\epsilon_r = 38.9$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3508; ConvF(7.88, 7.88, 7.88); Calibrated: 15/02/2011

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

- Electronics: DAE3 Sn450; Calibrated: 09/02/2011

- Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1207

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

d=10mm, Pin=250mW 1/Area Scan (51x51x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 21.9 mW/g

d=10mm, Pin=250mW 1/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 90.0 V/m; Power Drift = 0.258 dB

Peak SAR (extrapolated) = 29.4 W/kg

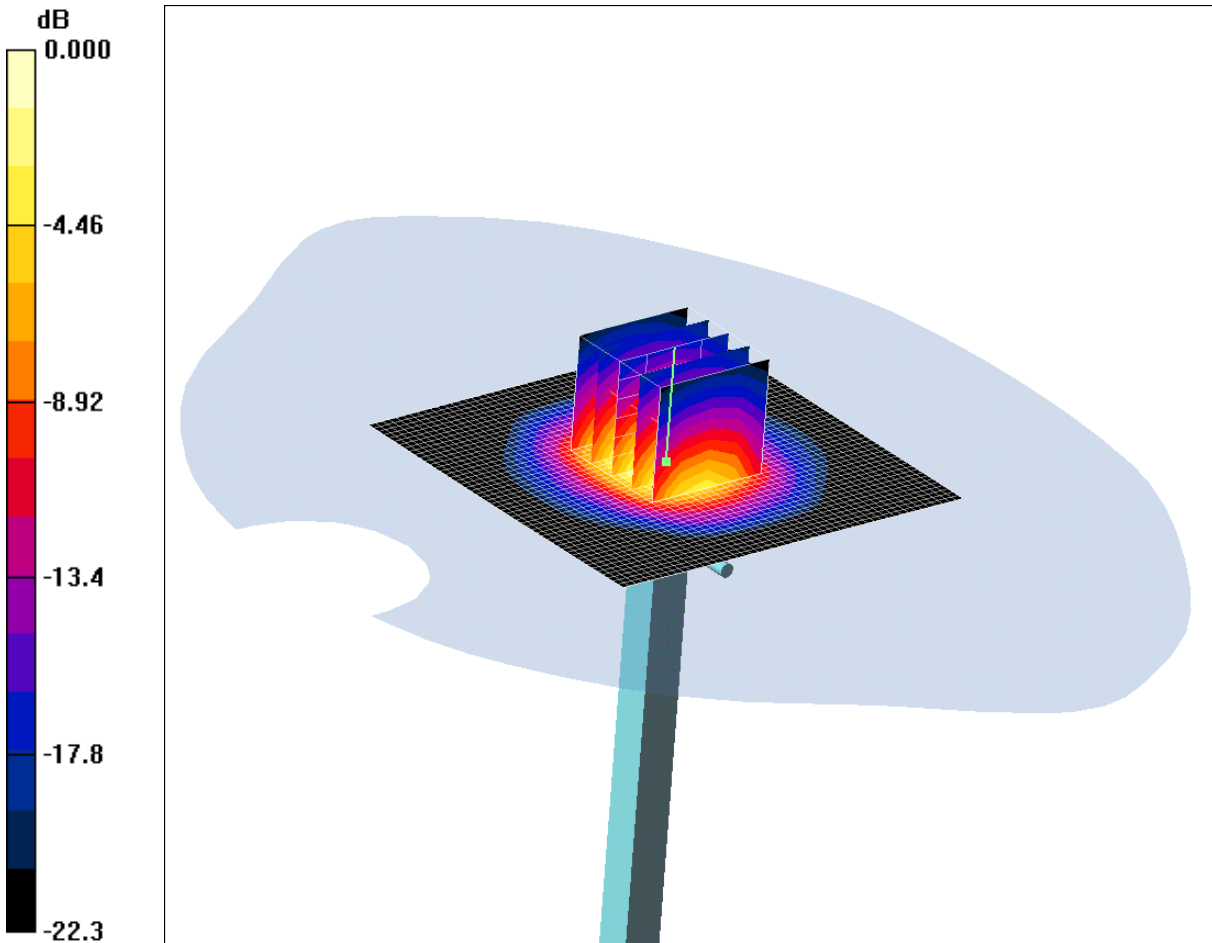
SAR(1 g) = 13.8 mW/g; SAR(10 g) = 6.35 mW/g

Maximum value of SAR (measured) = 15.6 mW/g

SCN/81152JD01/061: System Performance Check 2450MHz Body 04 04 11

Date 04/04/2011

DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN: 725



0 dB = 14.6mW/g

Communication System: CW; Frequency: 2450 MHz; Duty Cycle: 1:1

Medium: 2450 MHz MSL Medium parameters used: $f = 2450$ MHz; $\sigma = 2.02$ mho/m; $\epsilon_r = 50.7$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3508; ConvF(7.97, 7.97, 7.97); Calibrated: 15/02/2011

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

- Electronics: DAE3 Sn450; Calibrated: 09/02/2011

- Phantom: SAM 12a; Type: SAM 4.0; Serial: TP:1193

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

d=10mm, Pin=250mW/Area Scan (51x51x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 19.8 mW/g

d=10mm, Pin=250mW/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 84.6 V/m; Power Drift = 0.011 dB

Peak SAR (extrapolated) = 26.6 W/kg

SAR(1 g) = 12.9 mW/g; SAR(10 g) = 5.93 mW/g

Maximum value of SAR (measured) = 14.6 mW/g

Appendix 4. Photographs

This appendix contains the following photographs:

Photo Reference Number	Title
PHT/81152JD01/001	Test configuration for the measurement of Specific Absorption Rate (SAR)
PHT/81152JD01/002	Touch Left
PHT/81152JD01/003	Tilt Left
PHT/81152JD01/004	Touch Right
PHT/81152JD01/005	Tilt Right
PHT/81152JD01/006	Touch Right With Slide Open
PHT/81152JD01/007	Front of EUT Facing Phantom
PHT/81152JD01/008	Rear of EUT Facing Phantom
PHT/81152JD01/009	Front of EUT With Slide Open Facing Phantom
PHT/81152JD01/010	General Set With PHF
PHT/81152JD01/011	Front View of EUTs
PHT/81152JD01/012	Rear View of EUTs
PHT/81152JD01/013	Front With Slide Open View
PHT/81152JD01/014	Rear With Slide Open View
PHT/81152JD01/015	Internal View of EUTs
PHT/81152JD01/016	Battery View
PHT/81152JD01/017	PHF View
PHT/81152JD01/018	900 MHz Head Fluid Level
PHT/81152JD01/019	900 MHz Body Fluid Level
PHT/81152JD01/020	1900 MHz Head Fluid Level
PHT/81152JD01/021	1900 MHz Body Fluid Level
PHT/81152JD01/022	2450 MHz Head Fluid Level
PHT/81152JD01/023	2450 MHz Body Fluid Level

PHT/81152JD01/001: Test configuration for the measurement of Specific Absorption Rate (SAR)



PHT/81152JD01/002: Touch Left



PHT/81152JD01/003: Tilt Left



PHT/81152JD01/004: Touch Right



PHT/81152JD01/005: Tilt Right



PHT/81152JD01/006: Touch Right With Slide Open



PHT/81152JD01/007: Front of EUT Facing Phantom



PHT/81152JD01/008: Rear of EUT Facing Phantom



PHT/81152JD01/009: Front of EUT With Slide Open Facing Phantom



PHT/81152JD01/010: General Set With PHF



PHT/81152JD01/011: Front View of EUT



PHT/81152JD01/012: Rear View of EUT



PHT/81152JD01/013: Front With Slide Open View



PHT/81152JD01/014: Rear With Slide Open View



PHT/81152JD01/015: Internal View of EUT



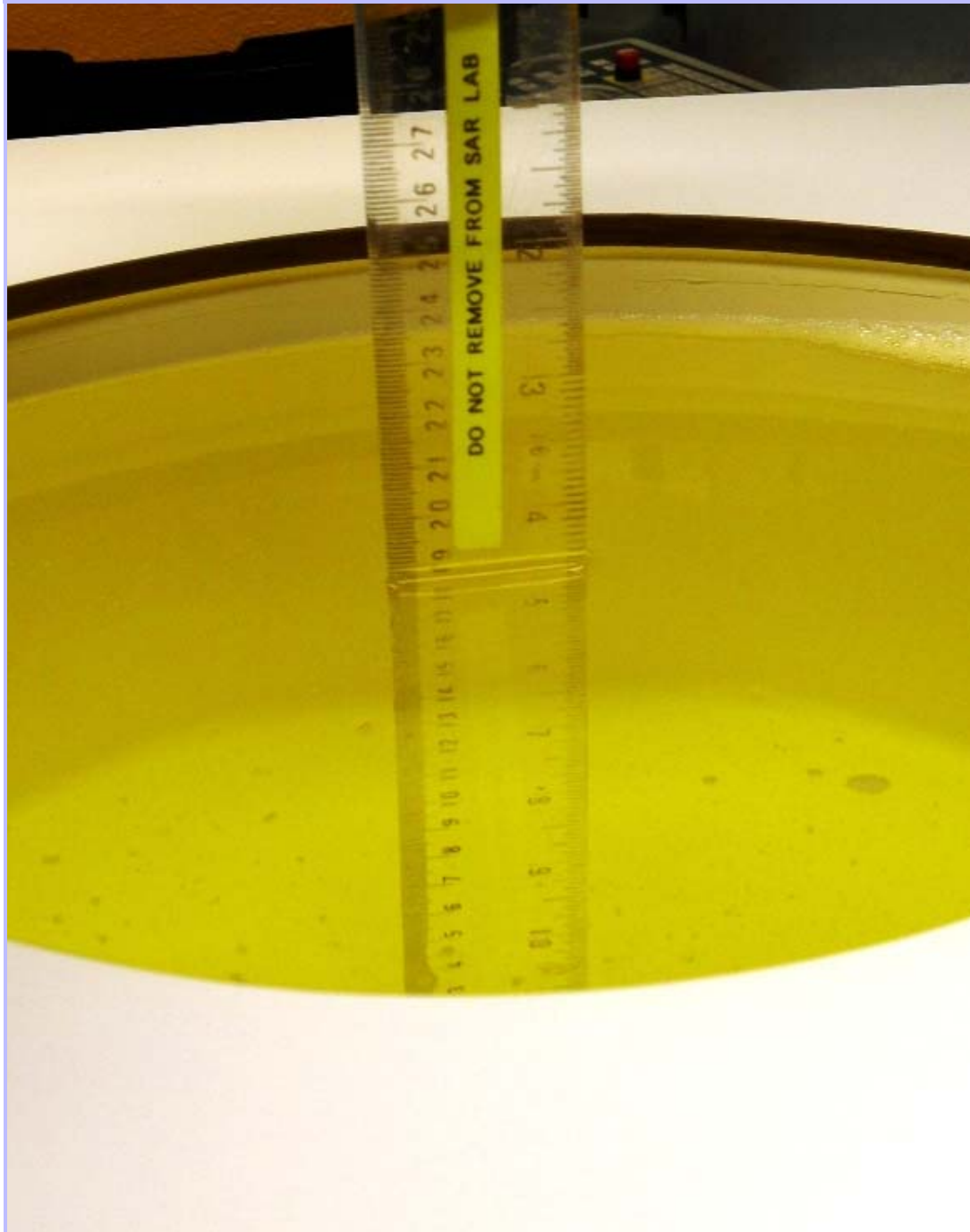
PHT/81152JD01/016: Battery View



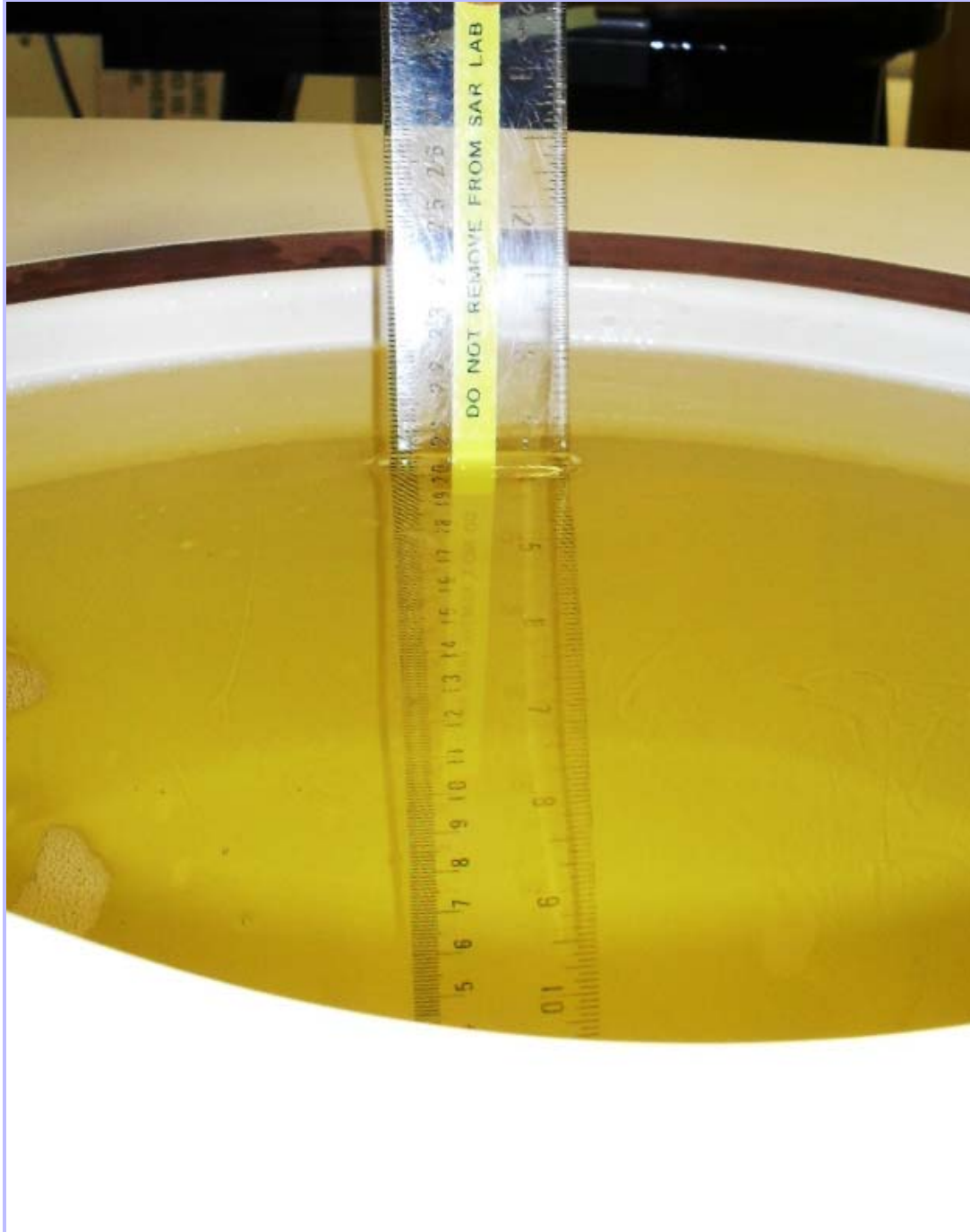
PHT/81152JD01/017: PHF View



PHT/81152JD01/018: 900 MHz Head Fluid Level



PHT/81152JD01/019: 900 MHz Body Fluid Level



PHT/81152JD01/020: 1900 MHz Head Fluid Level



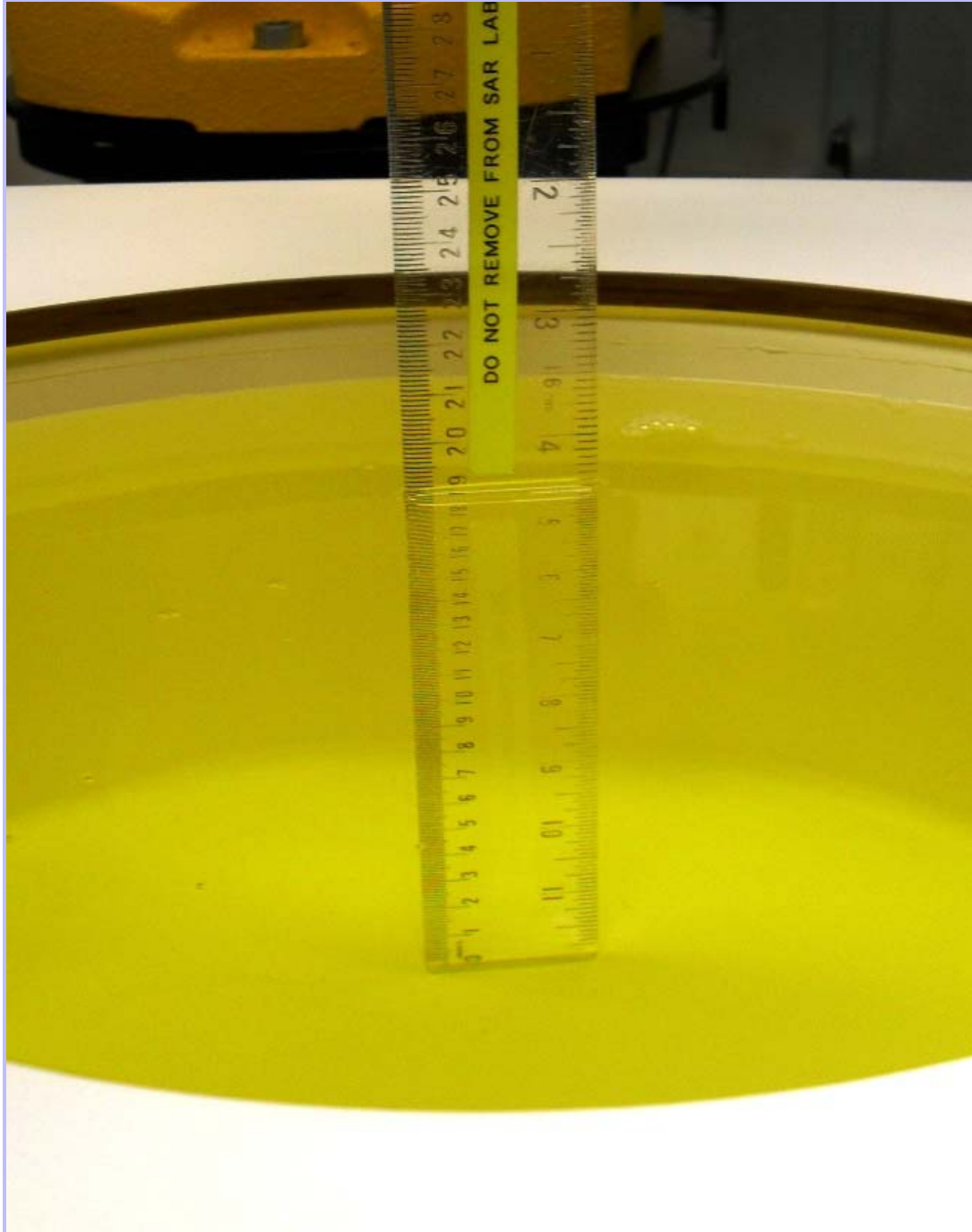
PHT/81152JD01/021: 1900 MHz Body Fluid Level



PHT/81152JD01/022: 2450 MHz Head Fluid Level



PHT/81152JD01/023: 2450 MHz Body Fluid Level



Appendix 5. Validation of System

Prior to the assessment, the system was verified in the flat region of the phantom. 900 MHz, 1900 MHz and 2450 MHz dipoles were used. A forward power of 250 mW was applied to the dipole and the system was verified to a tolerance of $\pm 5\%$ for the 900 MHz, 1900 MHz and 2450 MHz dipole. The applicable verification normalised to 1 Watt.

Date: 22/03/2011

Validation Dipole and Serial Number: D900V2; SN: 124

Simulant	Frequency (MHz)	Room Temp	Liquid Temp	Parameters	Target Value	Measured Value	Deviation (%)	Limit (%)
Head	900	23.0°C	22.9°C	ϵ_r	41.50	41.98	1.15	5.00
				σ	0.97	0.95	-2.07	5.00
				1g SAR	11.00	11.04	0.36	5.00
				10g SAR	7.01	7.16	2.14	5.00

Dielectrics for Frequencies Tested

Channel Number	Channel Description	Frequency (MHz)	Parameters
128	Low	824.2	ϵ_r 42.50
			σ 0.90
189	Middle	836.4	ϵ_r 42.40
			σ 0.91
251	High	848.8	ϵ_r 42.30
			σ 0.92

Date: 23/03/2011

Validation Dipole and Serial Number: D900V2; SN: 124

Simulant	Frequency (MHz)	Room Temp	Liquid Temp	Parameters	Target Value	Measured Value	Deviation (%)	Limit (%)
Body	900	23.0°C	22.5°C	ϵ_r	55.00	54.12	-1.61	5.00
				σ	1.05	1.07	1.61	5.00
				1g SAR	11.10	10.72	-3.42	5.00
				10g SAR	7.14	6.96	-2.52	5.00

Dielectrics for Frequencies Tested

Channel Number	Channel Description	Frequency (MHz)	Parameters
128	Low	824.2	ϵ_r 54.50
			σ 1.02
189	Middle	836.4	ϵ_r 54.40
			σ 1.03
251	High	848.8	ϵ_r 54.40
			σ 1.03

Validation of System (Continued)

Date: 24/03/2011

Validation Dipole and Serial Number: D900V2; SN: 124

Simulant	Frequency (MHz)	Room Temp	Liquid Temp	Parameters	Target Value	Measured Value	Deviation (%)	Limit (%)
Body	900	23.0°C	22.5°C	ϵ_r	55.00	54.12	-1.61	5.00
				σ	1.05	1.07	1.61	5.00
				1g SAR	11.10	11.24	1.26	5.00
				10g SAR	7.14	7.28	1.96	5.00

Dielectrics for Frequencies Tested

Channel Number	Channel Description	Frequency (MHz)	Parameters	
128	Low	824.2	ϵ_r	54.50
			σ	1.02
189	Middle	836.4	ϵ_r	54.40
			σ	1.03
251	High	848.8	ϵ_r	54.40
			σ	1.03

Note(s):

The version of DASY system used by RFI for SAR measurements is v4.7.

The SAR probe for the DASY v4.4 and higher has a validity of +/- 100 MHz from the spot frequency at which the system is calibrated.

The SAR probe was calibrated at 750 MHz (covering 650 MHz to 850 MHz) and 900 MHz (covering 800 MHz to 1000 MHz) for the Head tissue with both the 750 MHz and 900 MHz calibration parameters imported on the same data file of the DASY4 system.

For GSM850 (head SAR test) the DASY4 v4.7 system uses the conversion factor for 750 MHz calibration as this covers the frequency range of 650 MHz to 850 MHz. The SAR system uses the 900 MHz conversion factor which is valid from 800 MHz to 1000 MHz for the system validation performed at 900 MHz.

The 900 MHz validation is applicable for the 850 band as this is within 50 MHz of the of the centre frequency.

Validation of System (Continued)

Date: 17/03/2011

Validation Dipole and Serial Number: D1900V2; SN: 540

Simulant	Frequency (MHz)	Room Temp	Liquid Temp	Parameters	Target Value	Measured Value	Deviation (%)	Limit (%)
Head	1900	23.0°C	23.5°C	ϵ_r	40.00	38.99	-2.54	5.00
				σ	1.40	1.46	3.97	5.00
				1g SAR	40.30	39.52	-1.94	5.00
				10g SAR	21.00	20.40	-2.86	5.00

Dielectrics for Frequencies Tested

Channel Number	Channel Description	Frequency (MHz)	Parameters	
512	Low	1850.2	ϵ_r	39.30
			σ	1.41
660	Middle	1879.8	ϵ_r	39.10
			σ	1.44
810	High	1909.8	ϵ_r	39.00
			σ	1.47

Date: 31/03/2011

Validation Dipole and Serial Number D1900V2; SN: 540

Simulant	Frequency (MHz)	Room Temp	Liquid Temp	Parameters	Target Value	Measured Value	Deviation (%)	Limit (%)
Body	1900	23.0 °C	23.2 °C	ϵ_r	53.30	51.91	-2.61	5.00
				σ	1.52	1.55	1.95	5.00
				1g SAR	40.70	40.40	-0.74	5.00
				10g SAR	21.60	20.84	-3.52	5.00

Dielectrics for Frequencies Tested

Channel Number	Channel Description	Frequency (MHz)	Parameters	
512	Low	1850.2	ϵ_r	52.00
			σ	1.51
660	Middle	1879.8	ϵ_r	51.90
			σ	1.53
810	High	1909.8	ϵ_r	51.90
			σ	1.56

Validation of System (Continued)

Date: 01/04/2011

Validation Dipole and Serial Number: D1900V2; SN: 540

Simulant	Frequency (MHz)	Room Temp	Liquid Temp	Parameters	Target Value	Measured Value	Deviation (%)	Limit (%)
Body	1900	23.0 °C	23.2 °C	ϵ_r	53.30	51.91	-2.61	5.00
				σ	1.52	1.55	1.95	5.00
				1g SAR	40.70	40.40	-0.74	5.00
				10g SAR	21.60	20.84	-3.52	5.00

Dielectrics for Frequencies Tested

Channel Number	Channel Description	Frequency (MHz)	Parameters	
512	Low	1850.2	ϵ_r	52.00
			σ	1.51
660	Middle	1879.8	ϵ_r	51.90
			σ	1.53
810	High	1909.8	ϵ_r	51.90
			σ	1.56

Date: 04/04/2011

Validation Dipole and Serial Number: D2450V2; SN: 725

Simulant	Frequency (MHz)	Room Temp	Liquid Temp	Parameters	Target Value	Measured Value	Deviation (%)	Limit (%)
Head	2450	23.0 °C	22.9 °C	ϵ_r	39.20	38.90	-0.77	5.00
				σ	1.80	1.82	0.89	5.00
				1g SAR	52.90	55.20	4.35	5.00
				10g SAR	24.70	25.40	2.83	5.00

Dielectrics for Frequencies Tested

Channel Number	Channel Description	Frequency (MHz)	Parameters	
1	Low	2412.0	ϵ_r	39.00
			σ	1.77
6	Middle	2437.0	ϵ_r	38.90
			σ	1.80
11	High	2462.0	ϵ_r	38.90
			σ	1.83

Validation of System (Continued)

Date: 04/04/2011

Validation Dipole and Serial Number: D2450V2; SN: 725

Simulant	Frequency (MHz)	Room Temp	Liquid Temp	Parameters	Target Value	Measured Value	Deviation (%)	Limit (%)
Body	2450	23.0 °C	23.2 °C	ϵ_r	52.70	50.71	-3.77	5.00
				σ	1.95	2.02	3.40	5.00
				1g SAR	51.90	51.60	-0.58	5.00
				10g SAR	24.10	23.72	-1.58	5.00

Dielectrics for Frequencies Tested

Channel Number	Channel Description	Frequency (MHz)	Parameters	
1	Low	2412.0	ϵ_r	50.80
			σ	1.97
6	Middle	2437.0	ϵ_r	50.70
			σ	2.00
11	High	2462.0	ϵ_r	50.70
			σ	2.03

Appendix 6. Simulated Tissues

The body mixture consists of water Polysorbate 20 and salt. Visual inspection is made to ensure air bubbles are not trapped during the mixing process. The mixture is calibrated to obtain proper dielectric constant (permittivity) and conductivity of the tissue.

Ingredient	Frequency
	835/850/900 MHz Head
De-Ionized Water	52.87
Polysorbate 20 (Tween 20)	46.10
Salt	1.03

Ingredient	Frequency
	835/850/900 MHz Body
De-Ionized Water	71.30
Polysorbate 20 (Tween 20)	28.00
Salt	0.70

Ingredient	Frequency
	1800/1900 MHz Head
De-Ionized Water	55.40
Polysorbate 20 (Tween 20)	44.22
Salt	0.38

Ingredient	Frequency
	1800/1900 MHz Body
De-Ionized Water	71.50
Polysorbate 20 (Tween 20)	28.00
Salt	0.50

Ingredient	Frequency
	2450 MHz Head
De-Ionized Water	55.75
Polysorbate 20 (Tween 20)	45.25

Ingredient	Frequency
	2450 MHz Body
De-Ionized Water	71.70
Polysorbate 20 (Tween 20)	28.00
Salt	0.30

Appendix 7. DASY4 System Details

A.7.1. DASY4 SAR Measurement System

RFI Global Services Ltd, SAR measurement facility utilises the Dosimetric Assessment System (DASY™) manufactured by Schmid & Partner Engineering AG (SPEAG™) of Zurich, Switzerland. The DASY4 system is comprised of the robot controller, computer, near-field probe, probe alignment sensor, and the SAM phantom containing brain or muscle equivalent material. The robot is a six-axis industrial robot performing precise movements to position the probe to the location (points) of maximum electromagnetic field (EMF). A cell controller system contains the power supply, robot controller; teach pendant (Joystick), and remote control. This is used to drive the robot motors. The Staubli robot is connected to the cell controller to allow software manipulation of the robot. The data acquisition electronics (DAE) performs signal amplification, signal multiplexing, AD-conversion, offset measurements, mechanical surface detection, collision detection etc. The DAE is connected to the Electro-optical coupler (EOC). The EOC performs the conversion from the optical into digital electric signal of the DAE and transfers data to the PC plug-in card. The DAE3 utilises a highly sensitive electrometer-grade preamplifier with auto-zeroing, a channel and gain-switching multiplexer, a fast 16-bit AD-converter and a command decoder and control logic unit. Transmission to the PC-card is accomplished through an optical downlink for data and status information and an optical uplink for commands and clock lines. The mechanical probe-mounting device includes two different sensor systems for frontal and sidewise probe contacts. They are also used for mechanical surface detection and probe collision detection. The robot uses its own controller with a built in VME-bus computer.

A.7.2. DASY4 SAR System Specifications

Robot System	
Positioner:	Stäubli Unimation Corp. Robot Model: RX90L
Repeatability:	0.025 mm
No. of Axis:	6
Serial Number:	F00/SD89A1/A/01
Reach:	1185 mm
Payload:	3.5 kg
Control Unit:	CS7
Programming Language:	V+
Data Acquisition Electronic (DAE) System	
Serial Number:	DAE3 SN:450
PC Controller	
PC:	Dell Precision 340
Operating System:	Windows 2000
Data Card:	DASY4 Measurement Server
Serial Number:	1080
Data Converter	
Features:	Signal Amplifier, multiplexer, A/D converted and control logic.
Software:	DASY4 Software
Connecting Lines:	Optical downlink for data and status info. Optical uplink for commands and clock.
PC Interface Card	
Function:	24 bit (64 MHz) DSP for real time processing Link to DAE3 16 bit A/D converter for surface detection system serial link to robot direct emergency stop output for robot.

DASY4 SAR System Specifications (Continued)**E-Field Probe**

Model:	EX3DV3
Serial No:	3508
Construction:	Triangular core
Frequency:	10 MHz to >6 GHz
Linearity:	± 0.2 dB (30 MHz to 6 GHz)
Probe Length (mm):	330
Probe Diameter (mm):	12
Tip Length (mm):	20
Tip Diameter (mm):	2.5
Sensor X Offset (mm):	1
Sensor Y Offset (mm):	1
Sensor Z Offset (mm):	1

Phantom

Phantom:	SAM Phantom
Shell Material:	Fibreglass
Thickness:	2.0 $\pm$ 0.1 mm