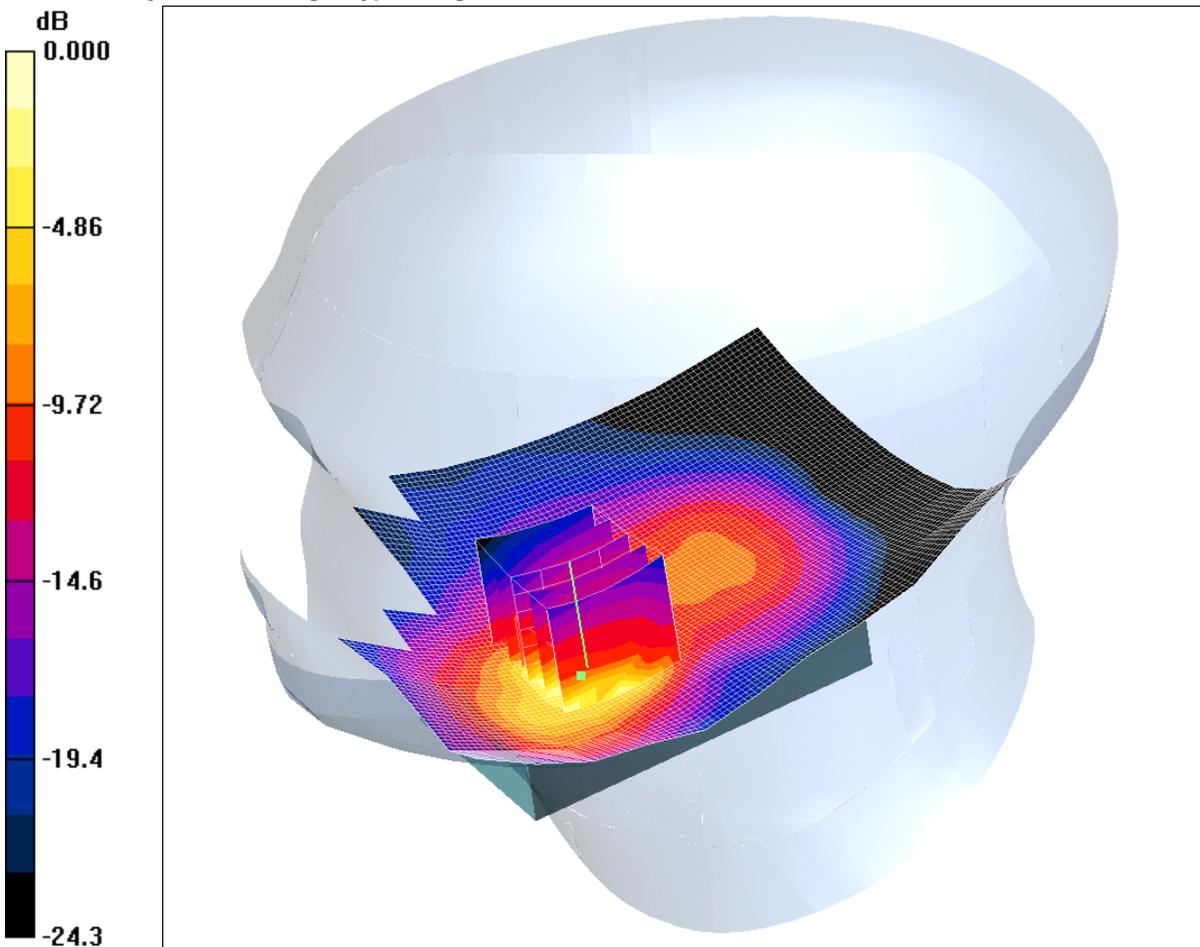


SCN/81152JD03/020: Touch Right PCS CH512

Date 17/03/2011

DUT: Sony Ericsson Fengli; Type: Fengli CK15i; Serial: WUJ2325228; IMEI: 004402141108633



0 dB = 0.329mW/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) = 0.307 mW/g

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

Reference Value = 4.38 V/m; Power Drift = -0.103 dB

Peak SAR (extrapolated) = 0.548 W/kg

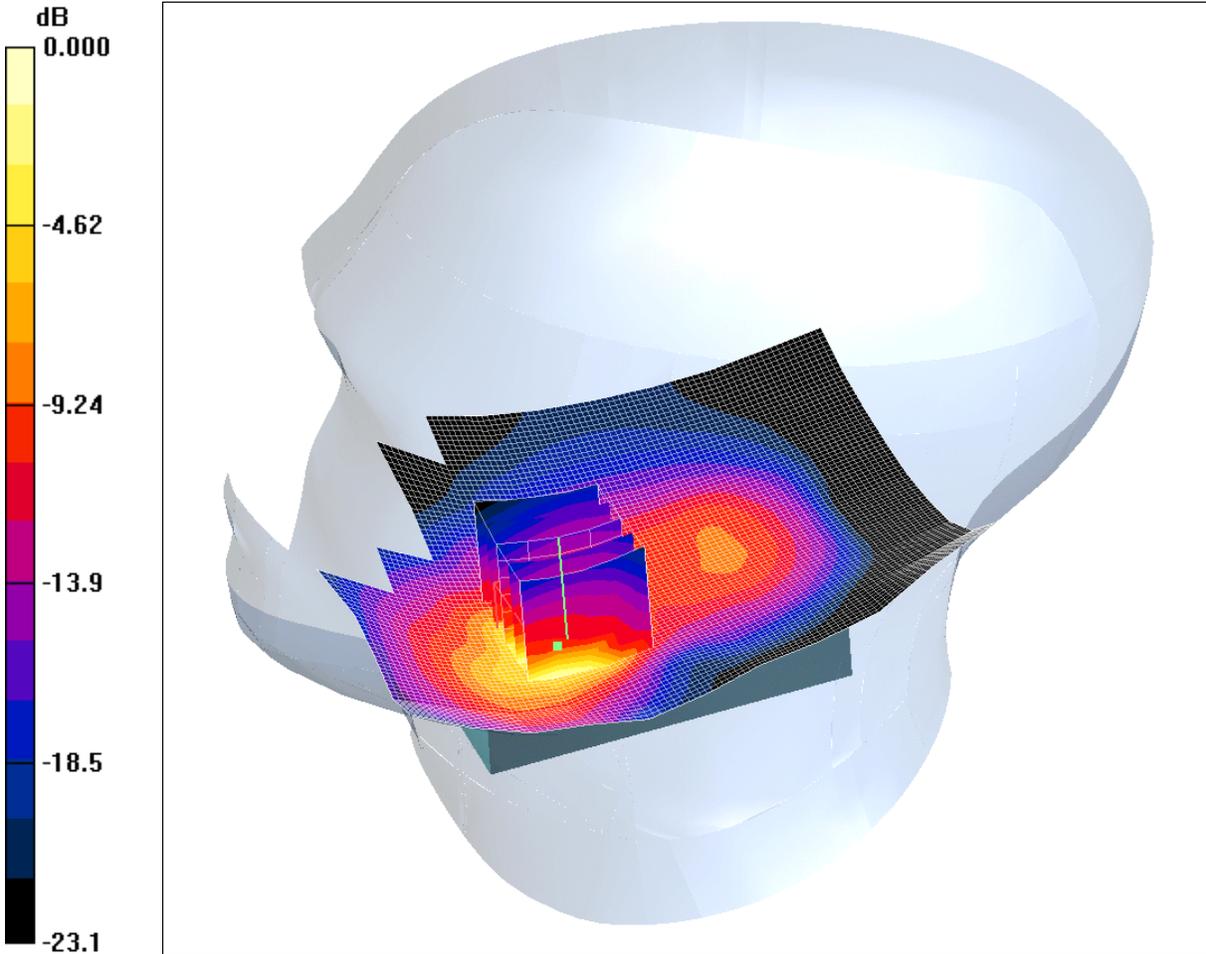
SAR(1 g) = 0.229 mW/g; SAR(10 g) = 0.101 mW/g

Maximum value of SAR (measured) = 0.329 mW/g

SCN/81152JD03/021: Touch Right PCS CH810

Date 17/03/2011

DUT: Sony Ericsson Fengli; Type: Fengli CK15i; Serial: WUJ2325228; IMEI: 004402141108633



0 dB = 0.330mW/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) = 0.288 mW/g

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

Reference Value = 4.40 V/m; Power Drift = 0.008 dB

Peak SAR (extrapolated) = 0.961 W/kg

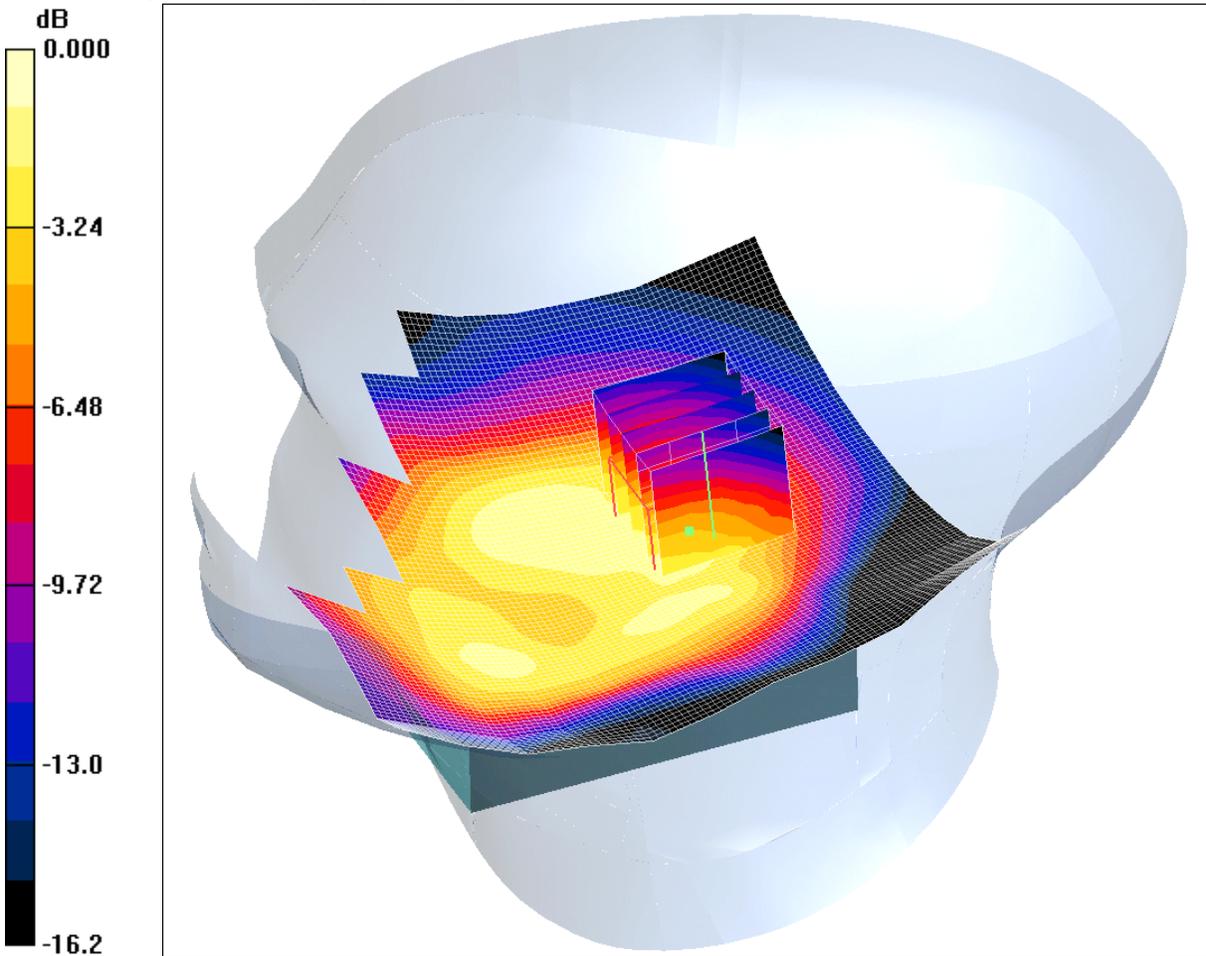
SAR(1 g) = 0.221 mW/g; SAR(10 g) = 0.101 mW/g

Maximum value of SAR (measured) = 0.330 mW/g

SCN/81152JD03/022: Touch with Slide Open Right PCS CH660

Date 17/03/2011

DUT: Sony Ericsson Fengli; Type: Fengli CK15i; Serial: WUJ2325228; IMEI: 004402141108633



0 dB = 0.058mW/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) = 0.063 mW/g

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

Reference Value = 3.36 V/m; Power Drift = 0.421 dB

Peak SAR (extrapolated) = 0.202 W/kg

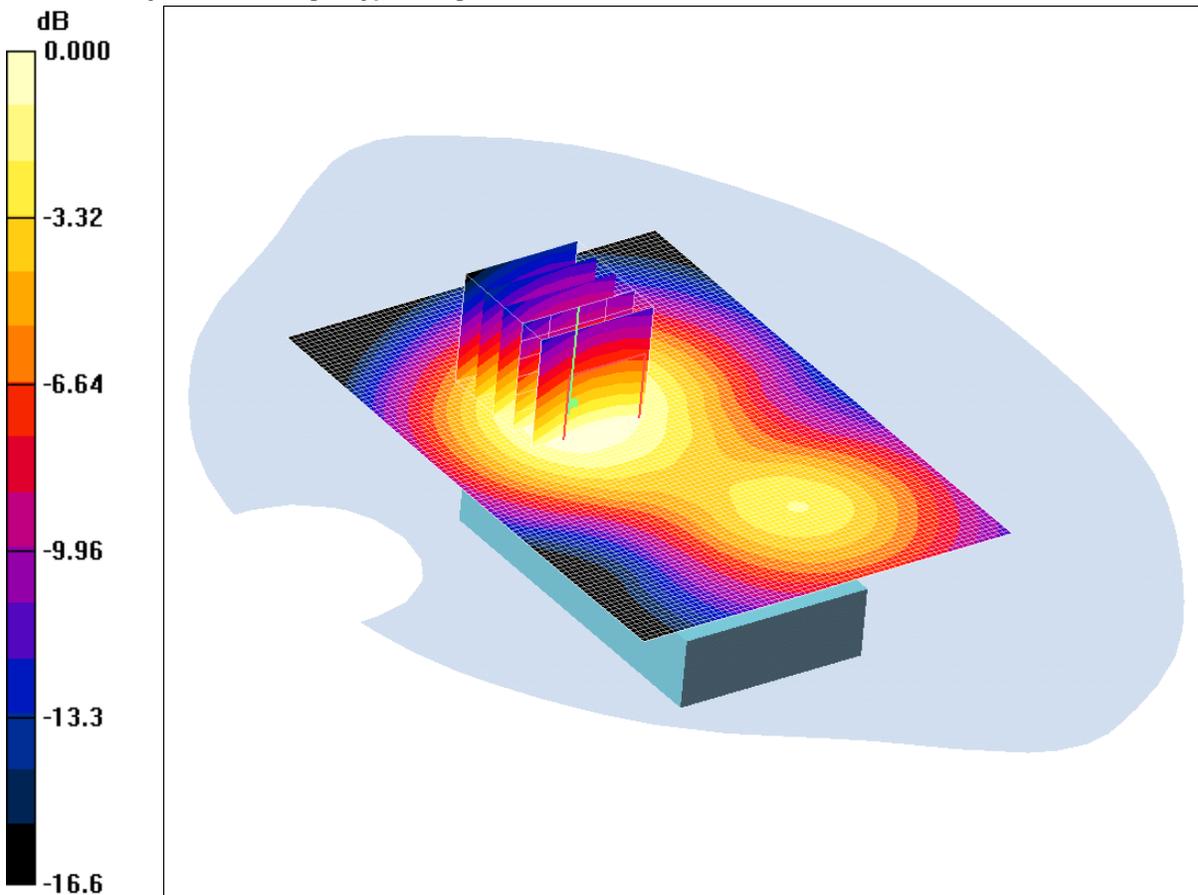
SAR(1 g) = 0.059 mW/g; SAR(10 g) = 0.033 mW/g

Maximum value of SAR (measured) = 0.058 mW/g

SCN/81152JD03/023: Front of EUT Facing Phantom GPRS CH660

Date 01/04/2011

DUT: Sony Ericsson Fengli; Type: Fengli CK15i; Serial: WUJ2325228; IMEI: 004402141108633



0 dB = 0.387mW/g

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

Medium: 1900 MHz MSL Medium parameters used (interpolated): $f = 1879.8 \text{ MHz}$; $\sigma = 1.53 \text{ mho/m}$; $\epsilon_r = 51.9$; $\rho = 1000 \text{ kg/m}^3$

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

Front of EUT Facing Phantom - Middle/Area Scan (71x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.395 mW/g

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

Reference Value = 11.8 V/m; Power Drift = -0.087 dB

Peak SAR (extrapolated) = 0.545 W/kg

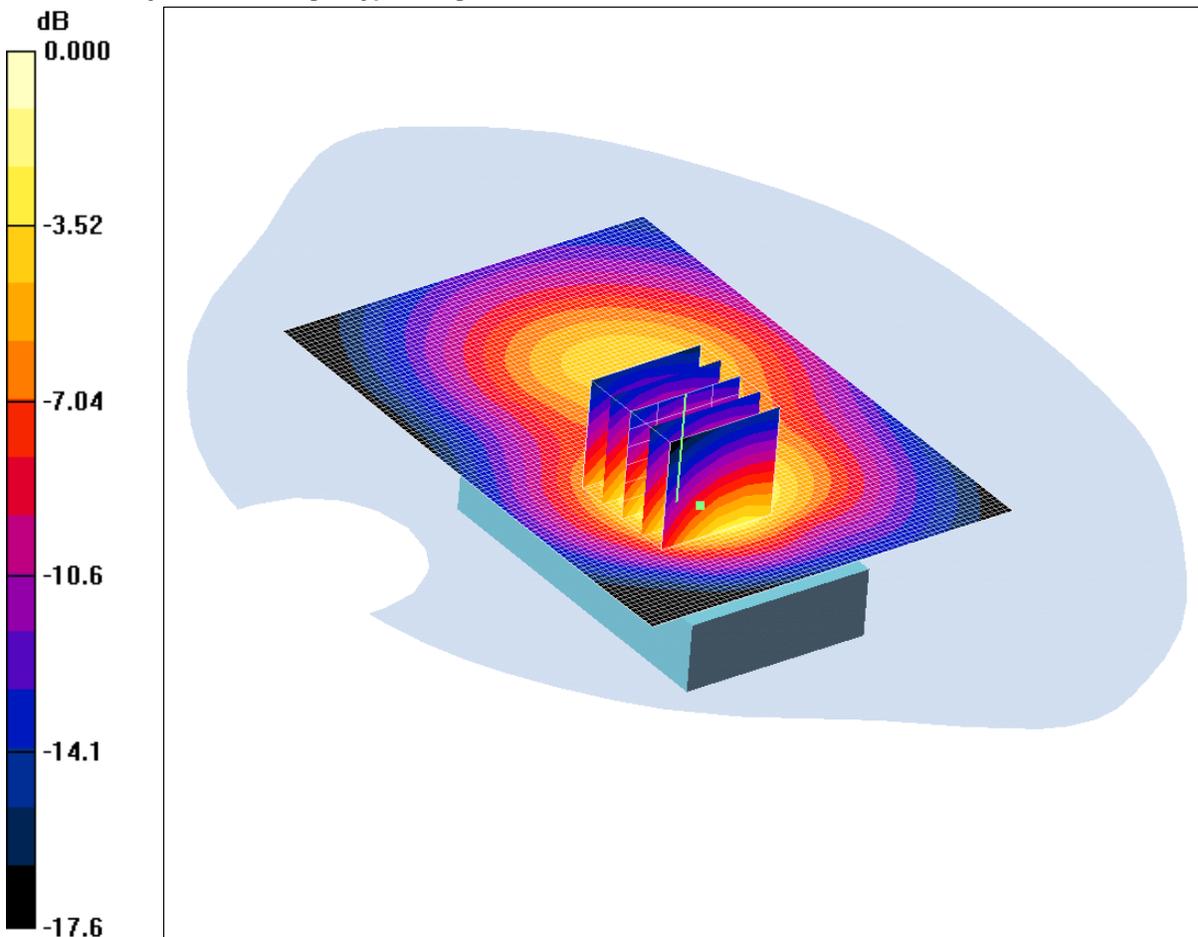
SAR(1 g) = 0.366 mW/g; SAR(10 g) = 0.236 mW/g

Maximum value of SAR (measured) = 0.387 mW/g

SCN/81152JD03/024: Rear of EUT Facing Phantom GPRS CH660

Date 01/04/2011

DUT: Sony Ericsson Fengli; Type: Fengli CK15i; Serial: WUJ2325228; IMEI: 004402141108633



0 dB = 0.736mW/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 (71x101x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.775 mW/g

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

dy=8mm, dz=5mm

Reference Value = 11.2 V/m; Power Drift = -0.015 dB

Peak SAR (extrapolated) = 1.20 W/kg

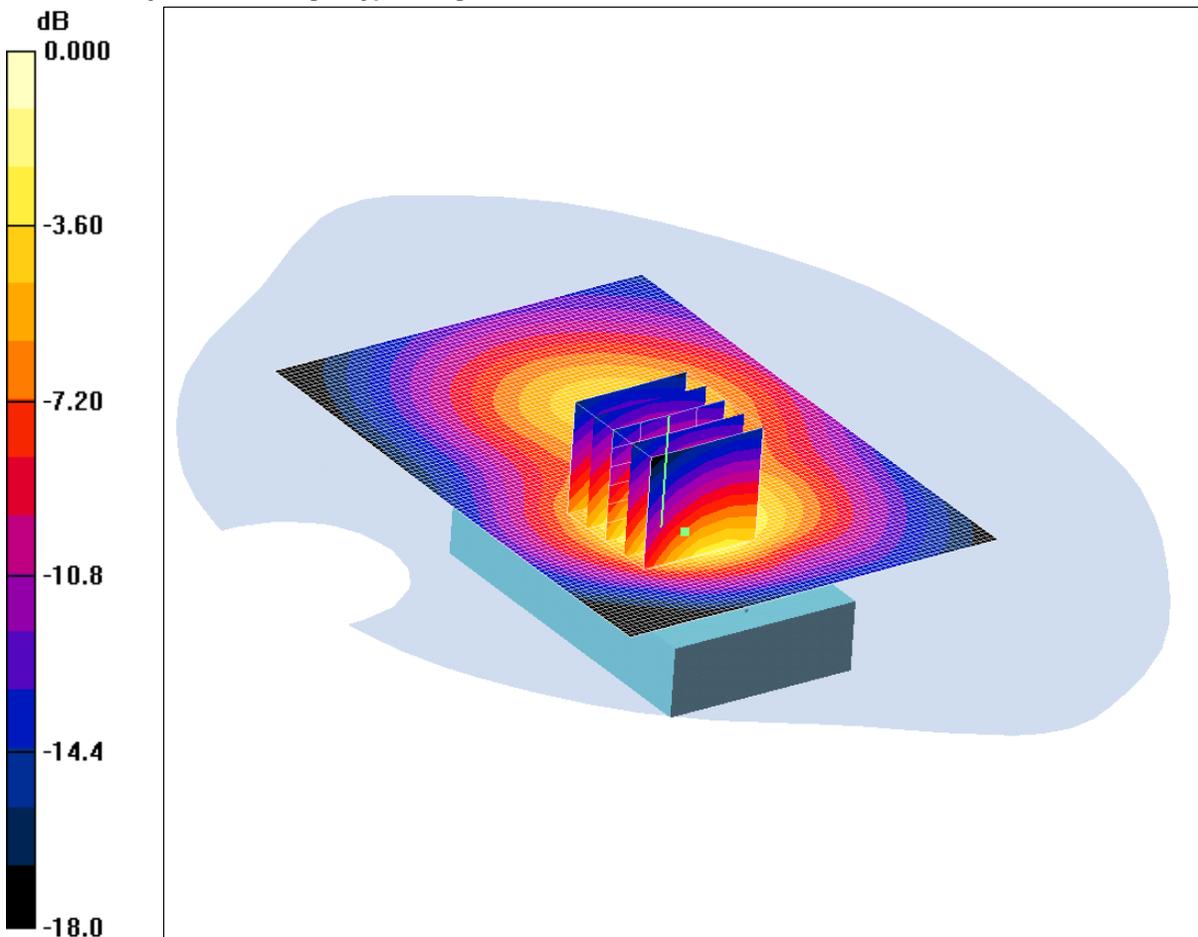
SAR(1 g) = 0.694 mW/g; SAR(10 g) = 0.384 mW/g

Maximum value of SAR (measured) = 0.736 mW/g

SCN/81152JD03/025: Rear of EUT Facing Phantom EGPRS CH660

Date 01/04/2011

DUT: Sony Ericsson Fengli; Type: Fengli CK15i; Serial: WUJ2325228; IMEI: 004402141108633



0 dB = 0.736mW/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 (71x101x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.777 mW/g

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

Reference Value = 11.2 V/m; Power Drift = 0.000 dB

Peak SAR (extrapolated) = 1.21 W/kg

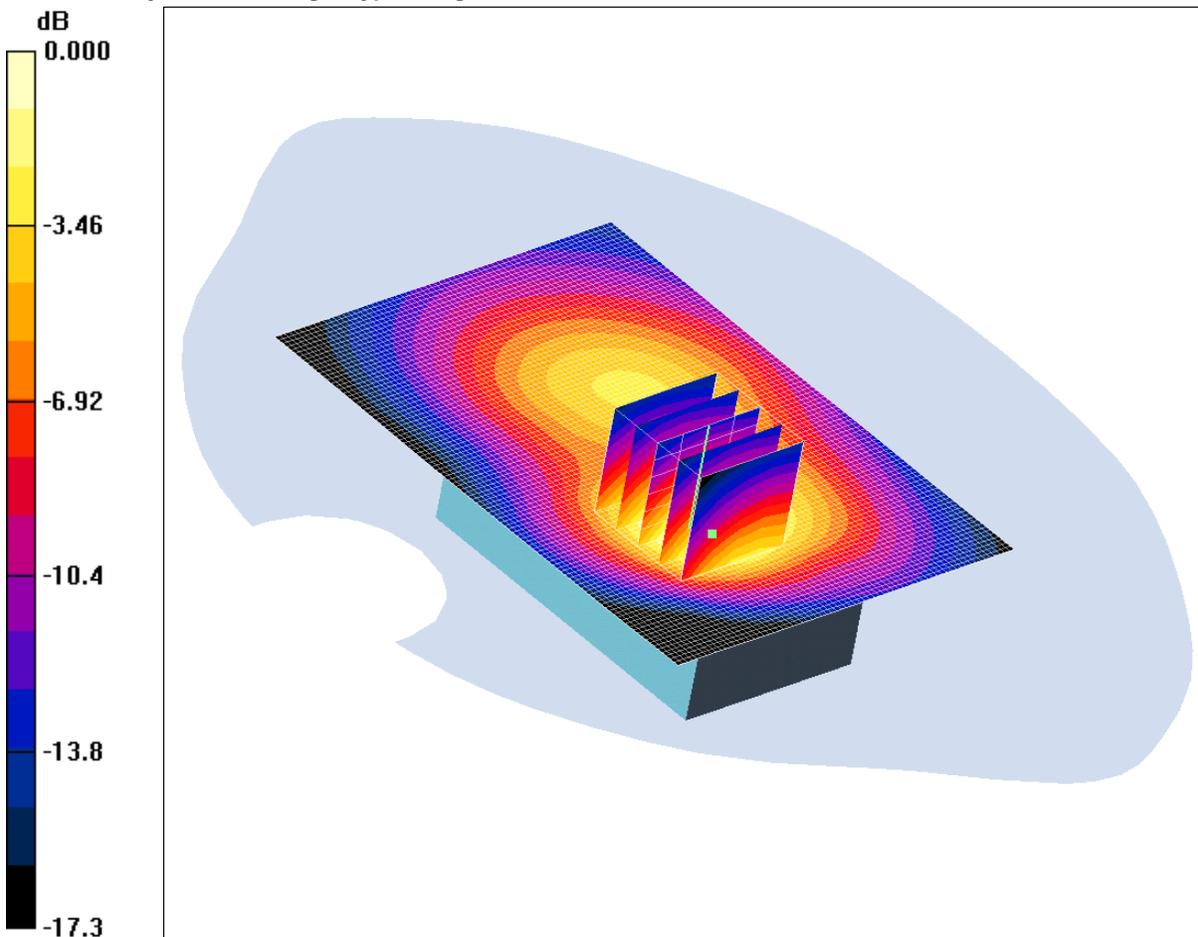
SAR(1 g) = 0.697 mW/g; SAR(10 g) = 0.385 mW/g

Maximum value of SAR (measured) = 0.736 mW/g

SCN/81152JD03/026: Rear of EUT Facing Phantom EGPRS CH512

Date 01/04/2011

DUT: Sony Ericsson Fengli; Type: Fengli CK15i; Serial: WUJ2325228; IMEI: 004402141108633



0 dB = 0.610mW/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 (71x101x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.632 mW/g

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

Reference Value = 11.9 V/m; Power Drift = 0.005 dB

Peak SAR (extrapolated) = 0.955 W/kg

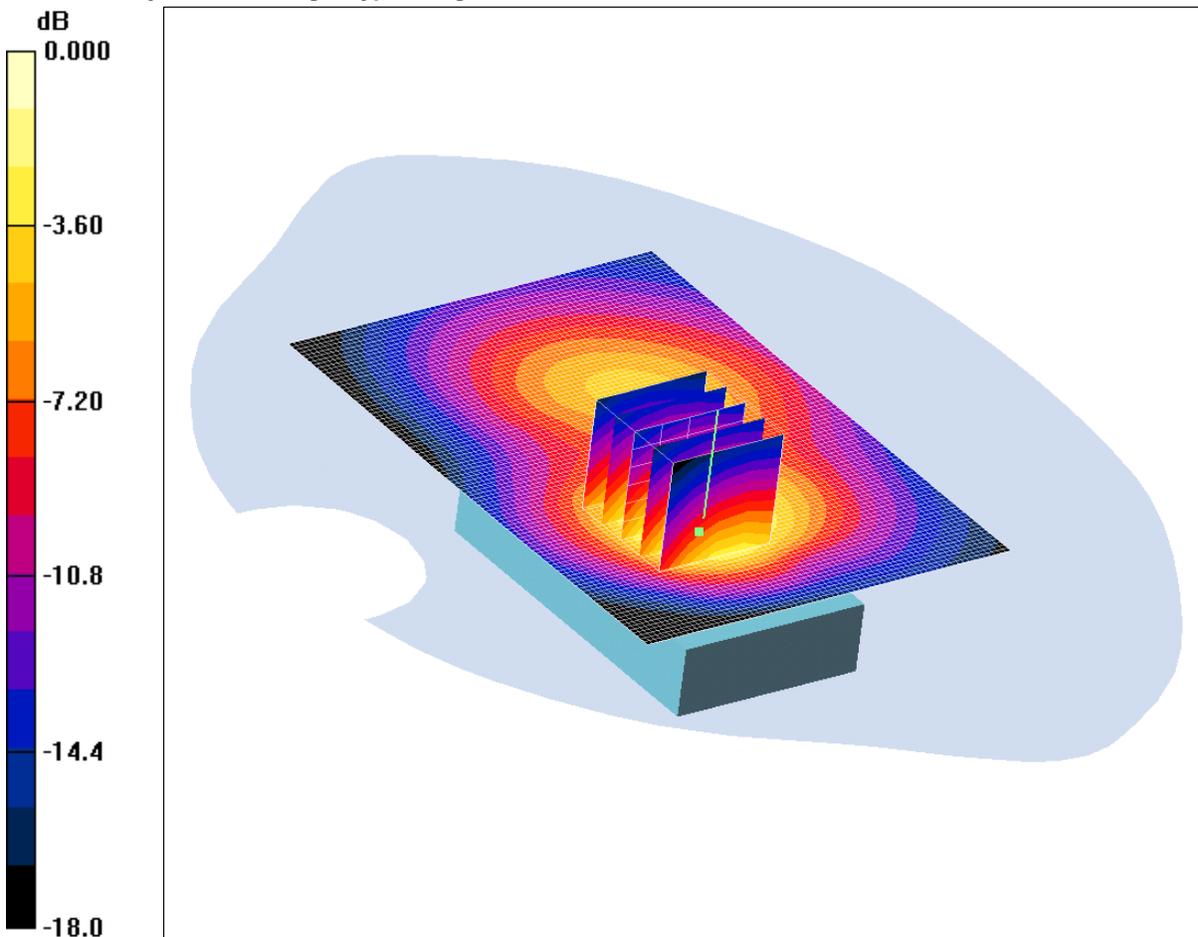
SAR(1 g) = 0.565 mW/g; SAR(10 g) = 0.322 mW/g

Maximum value of SAR (measured) = 0.610 mW/g

SCN/81152JD03/027: Rear of EUT Facing Phantom EGPRS CH810

Date 01/04/2011

DUT: Sony Ericsson Fengli; Type: Fengli CK15i; Serial: WUJ2325228; IMEI: 004402141108633



0 dB = 0.677mW/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 (71x101x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.727 mW/g

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

Reference Value = 9.39 V/m; Power Drift = -0.115 dB

Peak SAR (extrapolated) = 1.13 W/kg

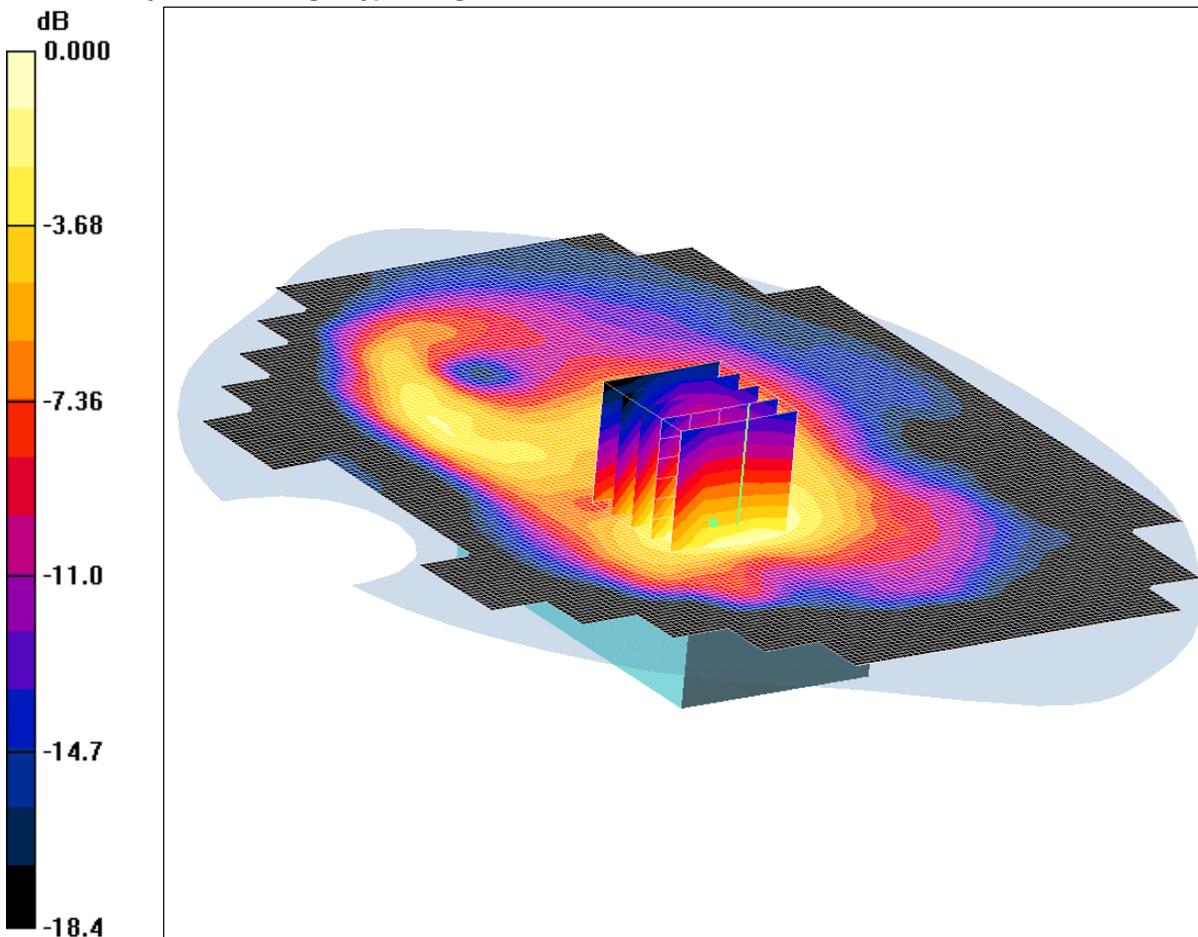
SAR(1 g) = 0.639 mW/g; SAR(10 g) = 0.349 mW/g

Maximum value of SAR (measured) = 0.677 mW/g

SCN/81152JD03/028: Rear of EUT Facing Phantom With PHF EGPRS CH660

Date 01/04/2011

DUT: Sony Ericsson Fengli; Type: Fengli CK15i; Serial: WUJ2325228; IMEI: 004402141108633



0 dB = 0.569mW/g

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

Medium: 1900 MHz MSL Medium parameters used (interpolated): $f = 1879.8 \text{ MHz}$; $\sigma = 1.53 \text{ mho/m}$; $\epsilon_r = 51.9$; $\rho = 1000 \text{ kg/m}^3$

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 - Middle/Area Scan (121x161x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.612 mW/g

Rear of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$,

$dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 11.6 V/m; Power Drift = 0.108 dB

Peak SAR (extrapolated) = 0.954 W/kg

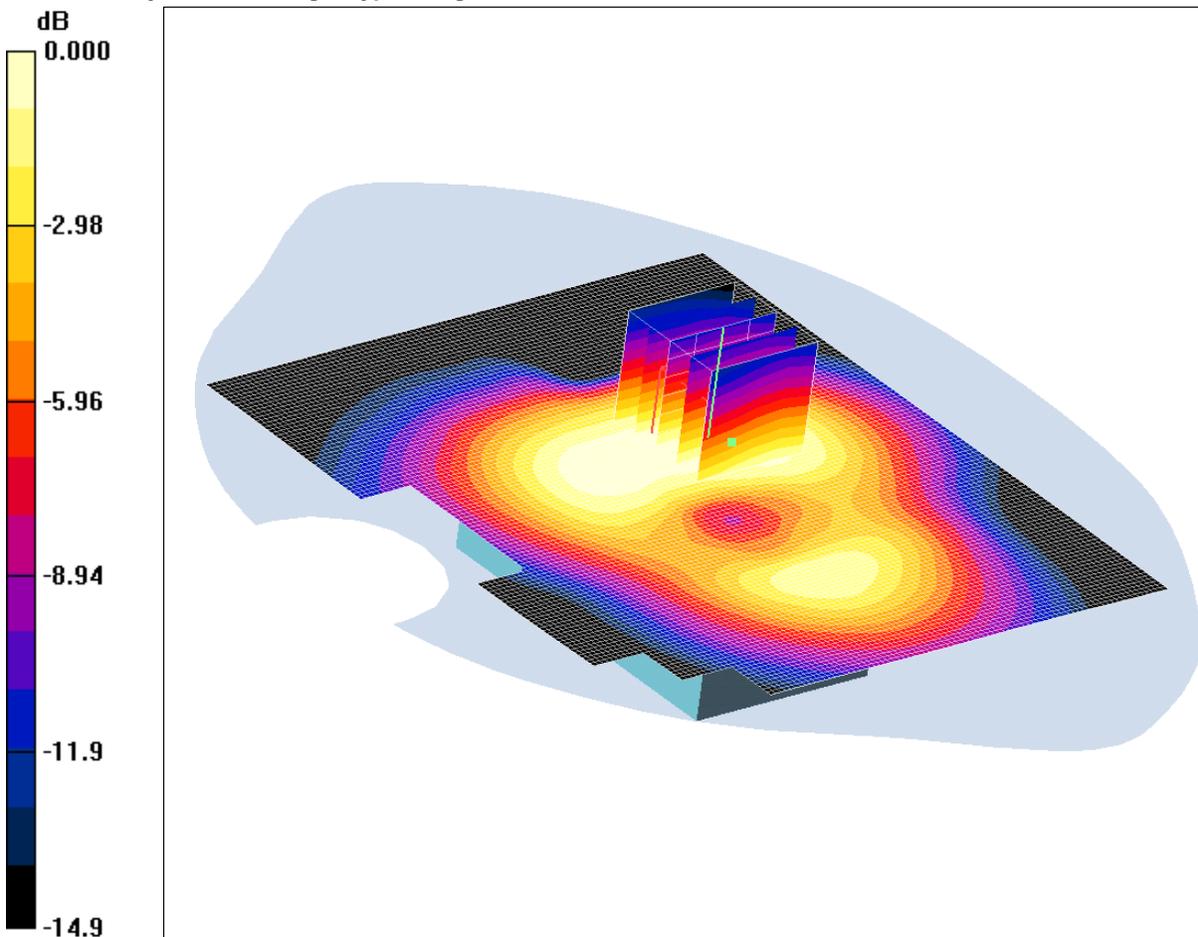
SAR(1 g) = 0.552 mW/g; SAR(10 g) = 0.321 mW/g

Maximum value of SAR (measured) = 0.569 mW/g

SCN/81152JD03/029: Front of EUT With Slide Open Facing Phantom EGPRS CH660

Date 01/04/2011

DUT: Sony Ericsson Fengli; Type: Fengli CK15i; Serial: WUJ2325228; IMEI: 004402141108633



0 dB = 0.225mW/g

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

Medium: 1900 MHz MSL Medium parameters used (interpolated): $f = 1879.8 \text{ MHz}$; $\sigma = 1.53 \text{ mho/m}$; $\epsilon_r = 51.9$; $\rho = 1000 \text{ kg/m}^3$

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

Front of EUT Facing Phantom - Middle/Area Scan 2 (101x121x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.226 mW/g

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

Reference Value = 11.3 V/m; Power Drift = 0.057 dB

Peak SAR (extrapolated) = 0.323 W/kg

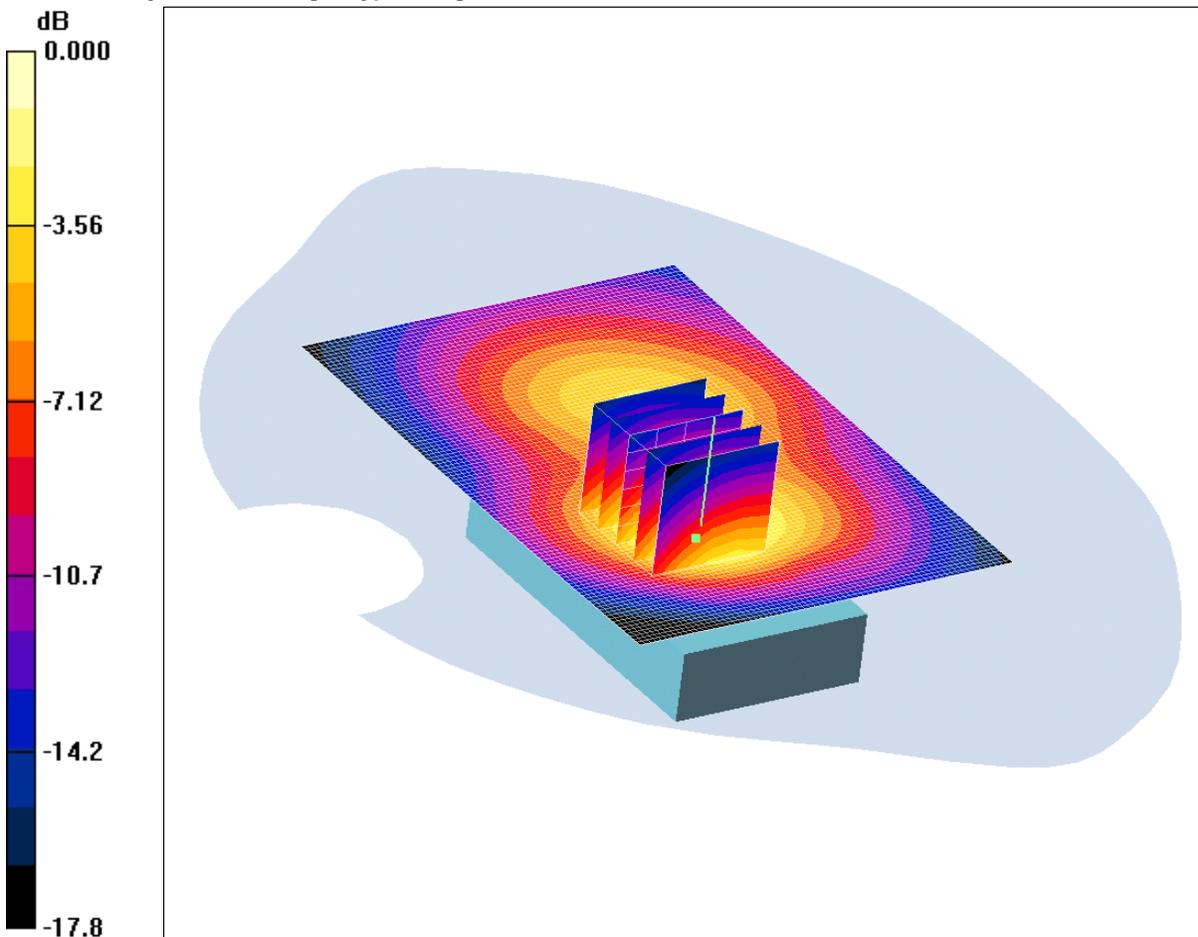
SAR(1 g) = 0.210 mW/g; SAR(10 g) = 0.135 mW/g

Maximum value of SAR (measured) = 0.225 mW/g

SCN/81152JD03/030: Rear of EUT Facing Phantom PCS CH660

Date 01/04/2011

DUT: Sony Ericsson Fengli; Type: Fengli CK15i; Serial: WUJ2325228; IMEI: 004402141108633



0 dB = 0.327mW/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 (71x101x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.335 mW/g

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

Reference Value = 7.30 V/m; Power Drift = 0.057 dB

Peak SAR (extrapolated) = 0.524 W/kg

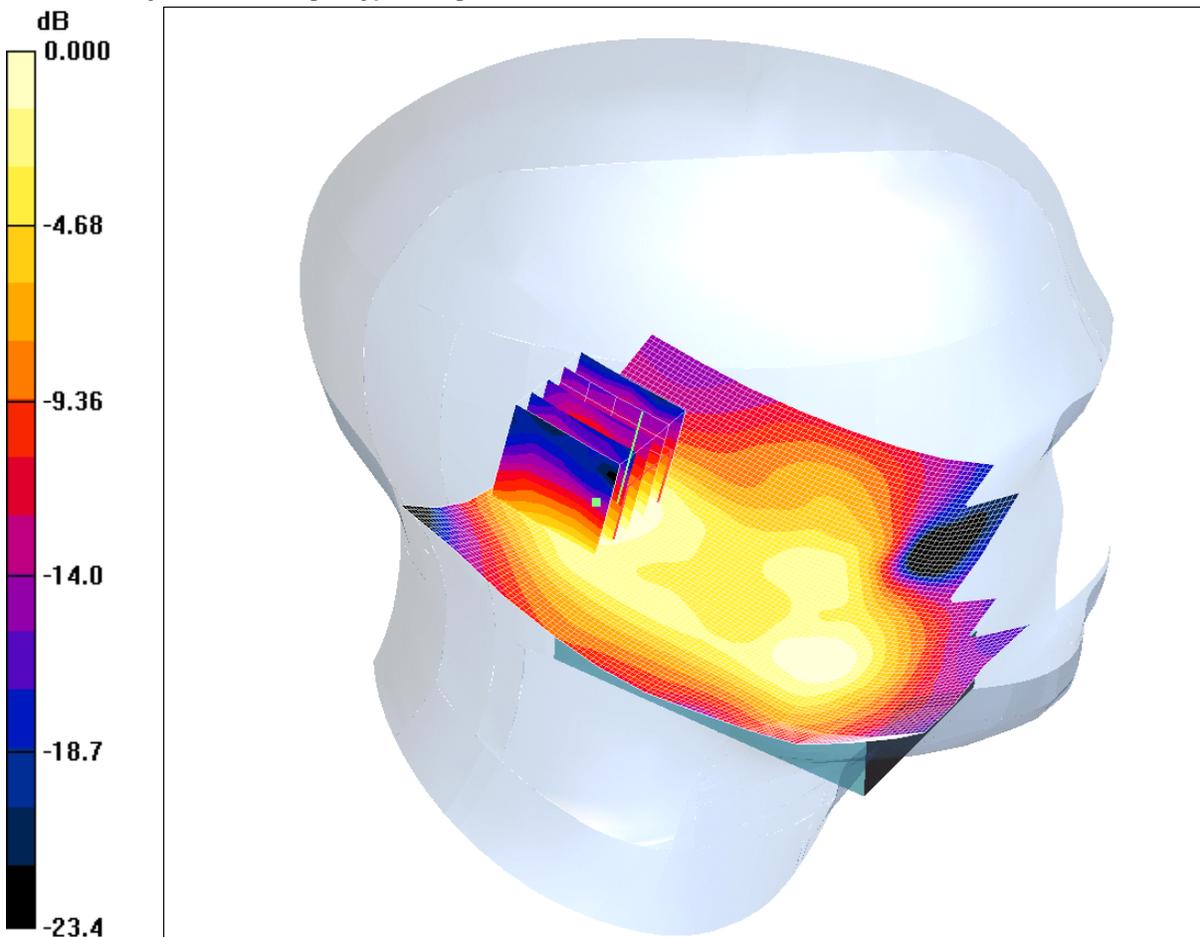
SAR(1 g) = 0.303 mW/g; SAR(10 g) = 0.170 mW/g

Maximum value of SAR (measured) = 0.327 mW/g

SCN/81152JD03/031: Touch Left WiFi 802.11b 1 Mbps CH6

Date 03/04/2011

DUT: Sony Ericsson Fengli; Type: Fengli CK15i; Serial: WUJ2325210; IMEI: 004402141108393



0 dB = 0.048mW/g

Communication System: WLAN; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: 2450 MHz HSL Medium parameters used (interpolated): f = 2437 MHz; σ = 1.8 mho/m; ϵ_r = 38.9; ρ = 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) = 0.050 mW/g

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

Reference Value = 4.45 V/m; Power Drift = -0.293 dB

Peak SAR (extrapolated) = 0.088 W/kg

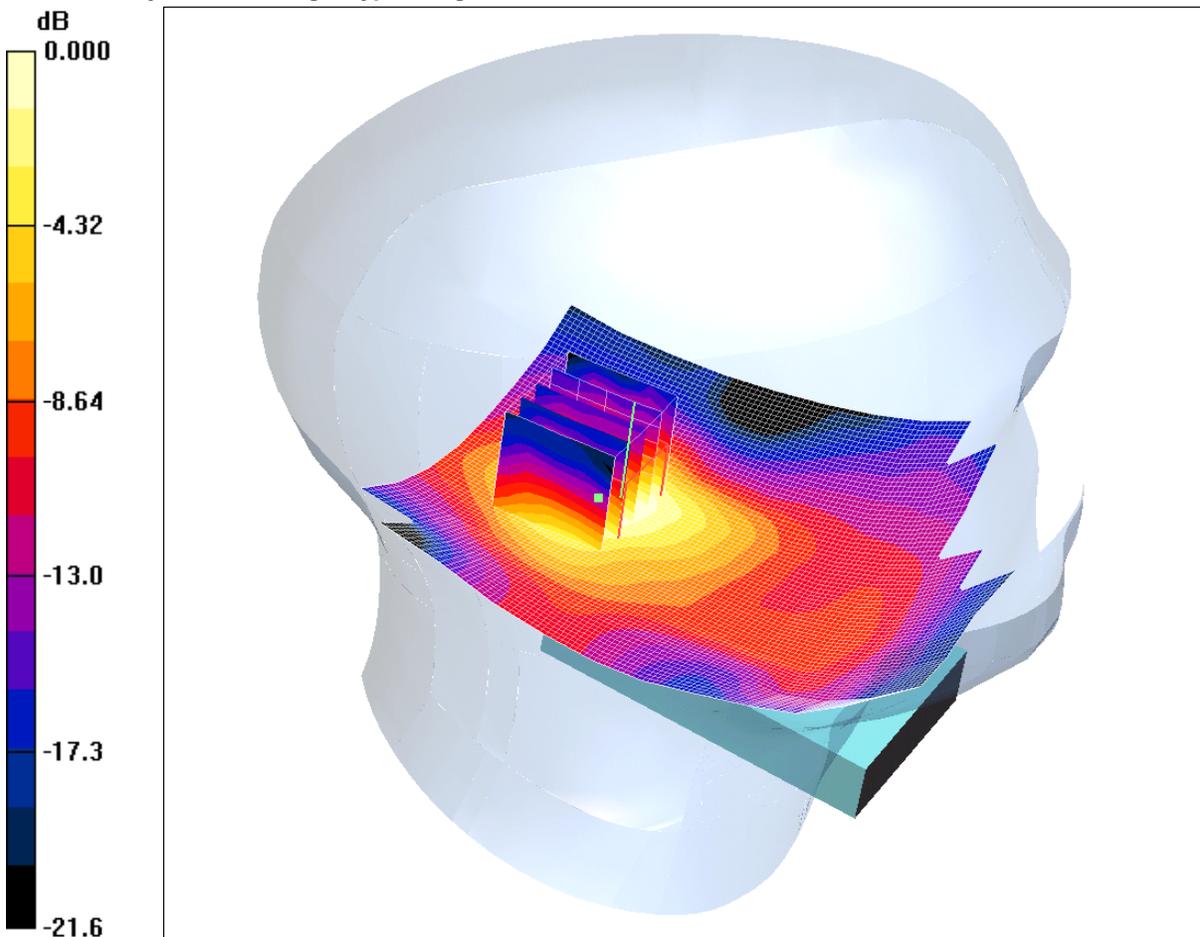
SAR(1 g) = 0.047 mW/g; SAR(10 g) = 0.025 mW/g

Maximum value of SAR (measured) = 0.048 mW/g

SCN/81152JD03/032: Tilt Left WiFi 802.11b 1 Mbps CH6

Date 03/04/2011

DUT: Sony Ericsson Fengli; Type: Fengli CK15i; Serial: WUJ2325210; IMEI: 004402141108393



0 dB = 0.064mW/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 (81x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.066 mW/g

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

Reference Value = 5.32 V/m; Power Drift = 0.313 dB

Peak SAR (extrapolated) = 0.114 W/kg

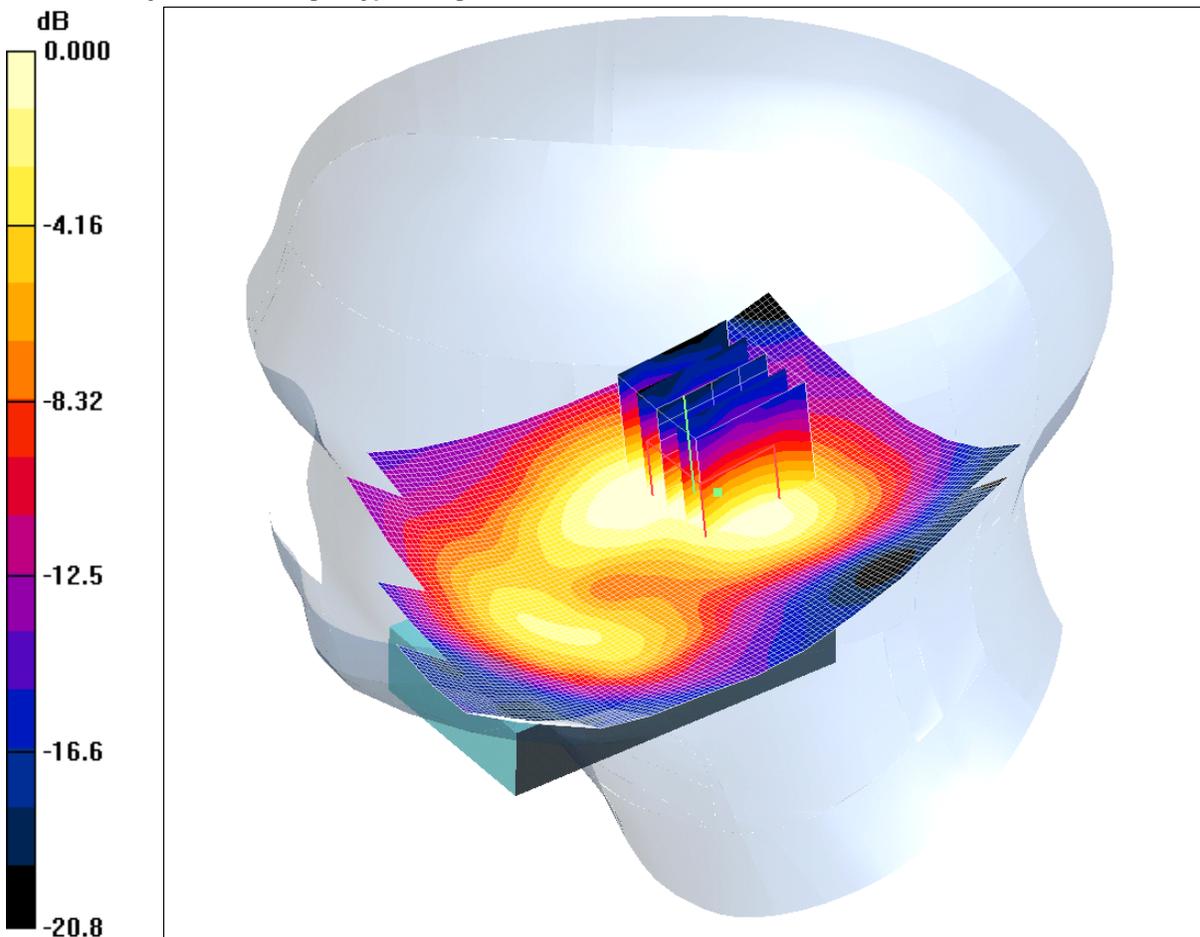
SAR(1 g) = 0.061 mW/g; SAR(10 g) = 0.033 mW/g

Maximum value of SAR (measured) = 0.064 mW/g

SCN/81152JD03/033: Touch Right WiFi 802.11b 1 Mbps CH6

Date 03/04/2011

DUT: Sony Ericsson Fengli; Type: Fengli CK15i; Serial: WUJ2325210; IMEI: 004402141108393



0 dB = 0.078mW/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 (81x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.084 mW/g

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

Reference Value = 6.16 V/m; Power Drift = 0.131 dB

Peak SAR (extrapolated) = 0.165 W/kg

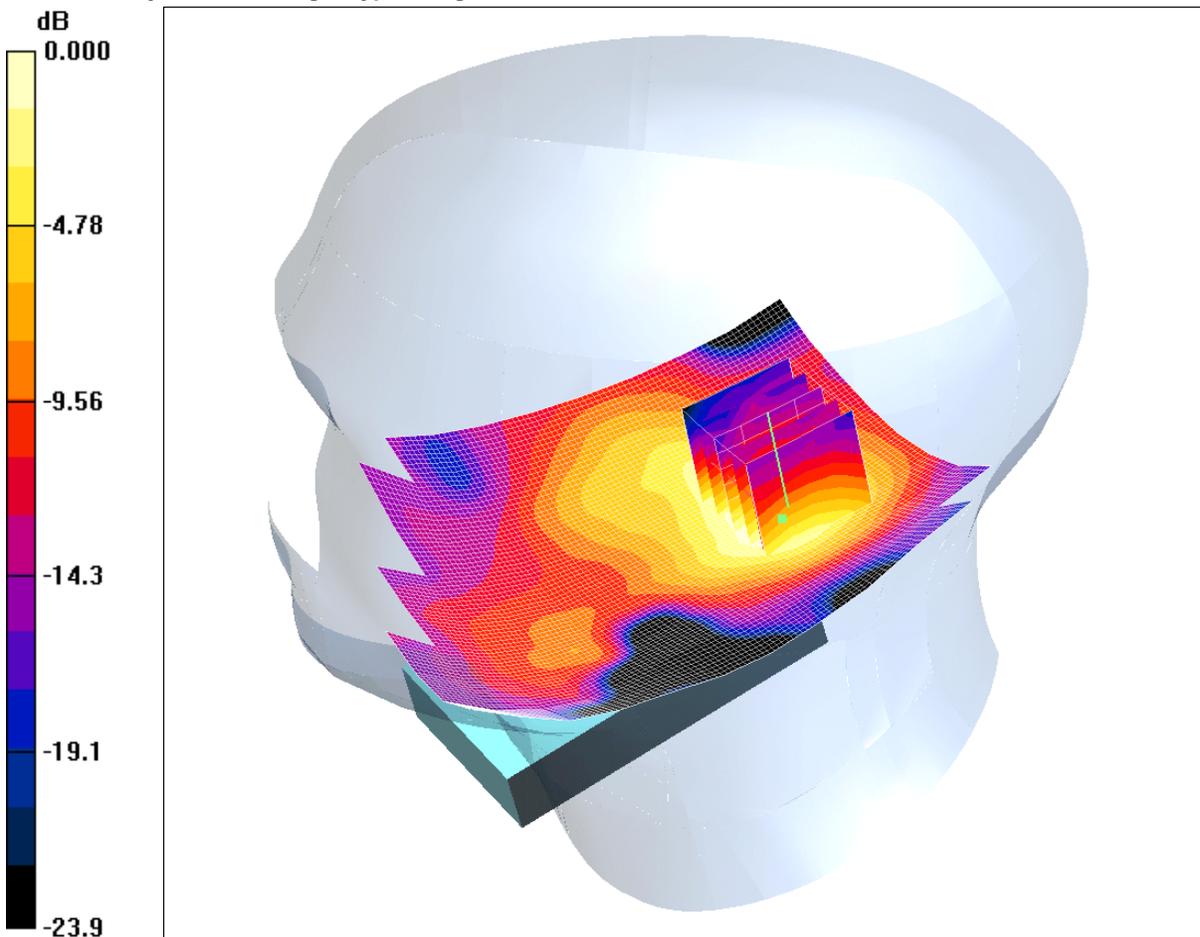
SAR(1 g) = 0.074 mW/g; SAR(10 g) = 0.037 mW/g

Maximum value of SAR (measured) = 0.078 mW/g

SCN/81152JD03/034: Tilt Right WiFi 802.11b 1 Mbps CH6

Date 03/04/2011

DUT: Sony Ericsson Fengli; Type: Fengli CK15i; Serial: WUJ2325210; IMEI: 004402141108393



0 dB = 0.047mW/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 (81x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.052 mW/g

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

Reference Value = 4.57 V/m; Power Drift = -0.119 dB

Peak SAR (extrapolated) = 0.082 W/kg

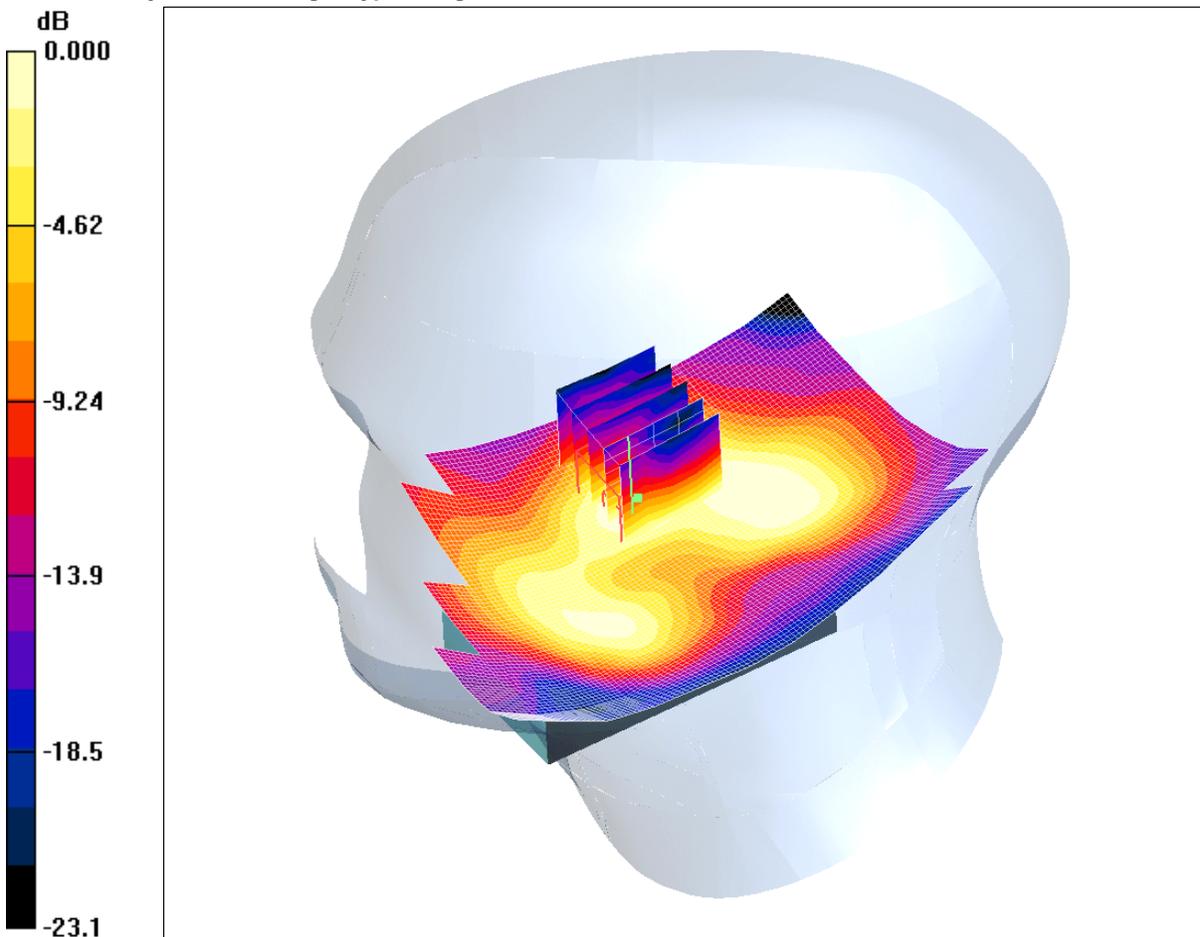
SAR(1 g) = 0.044 mW/g; SAR(10 g) = 0.024 mW/g

Maximum value of SAR (measured) = 0.047 mW/g

SCN/81152JD03/035: Touch Right WiFi 802.11b 1 Mbps CH1

Date 03/04/2011

DUT: Sony Ericsson Fengli; Type: Fengli CK15i; Serial: WUJ2325210; IMEI: 004402141108393



0 dB = 0.058mW/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 (81x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.062 mW/g

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

Reference Value = 5.36 V/m; Power Drift = 0.347 dB

Peak SAR (extrapolated) = 0.106 W/kg

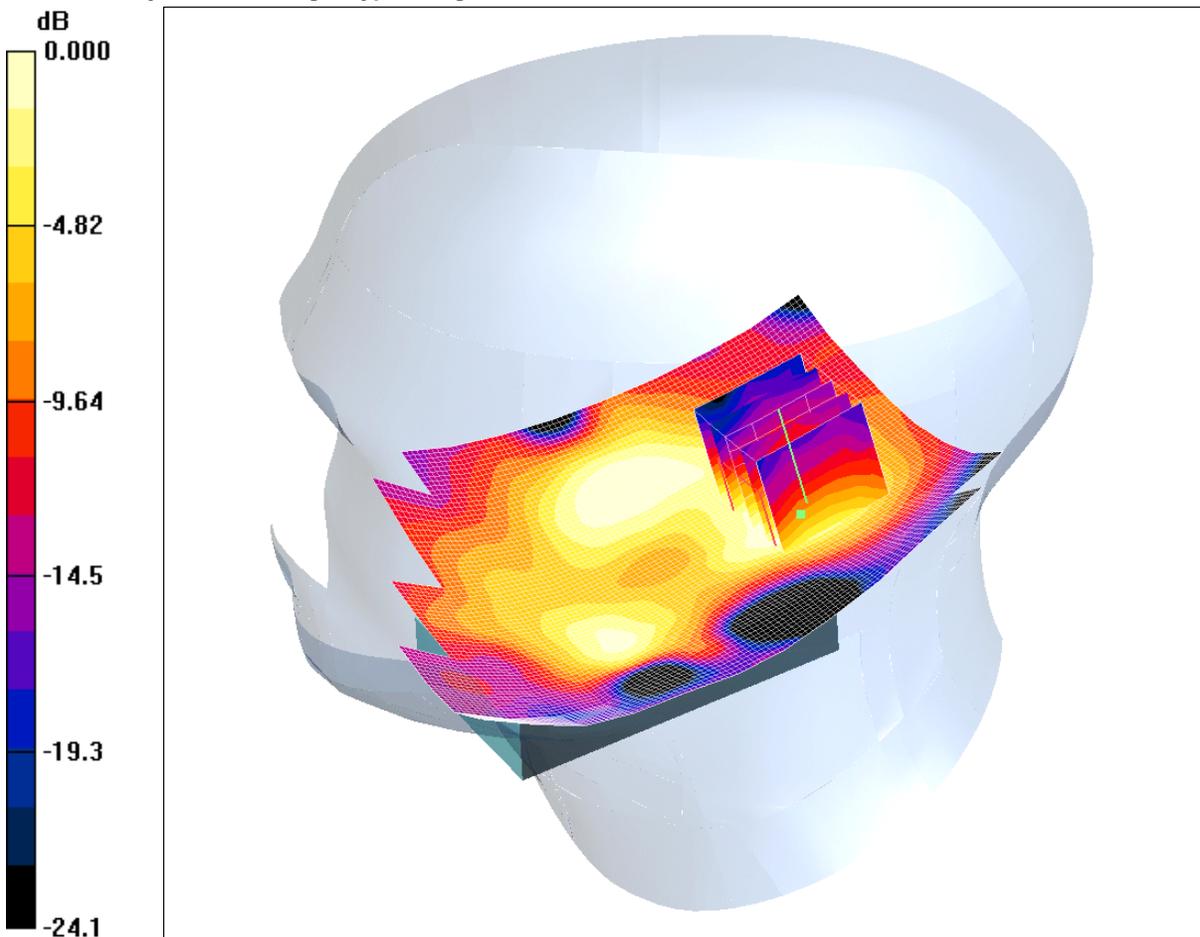
SAR(1 g) = 0.052 mW/g; SAR(10 g) = 0.027 mW/g

Maximum value of SAR (measured) = 0.058 mW/g

SCN/81152JD03/036: Touch Right WiFi 802.11b 1 Mbps CH11

Date 03/04/2011

DUT: Sony Ericsson Fengli; Type: Fengli CK15i; Serial: WUJ2325210; IMEI: 004402141108393



0 dB = 0.046mW/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 (81x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.051 mW/g

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

Reference Value = 4.23 V/m; Power Drift = -0.191 dB

Peak SAR (extrapolated) = 0.078 W/kg

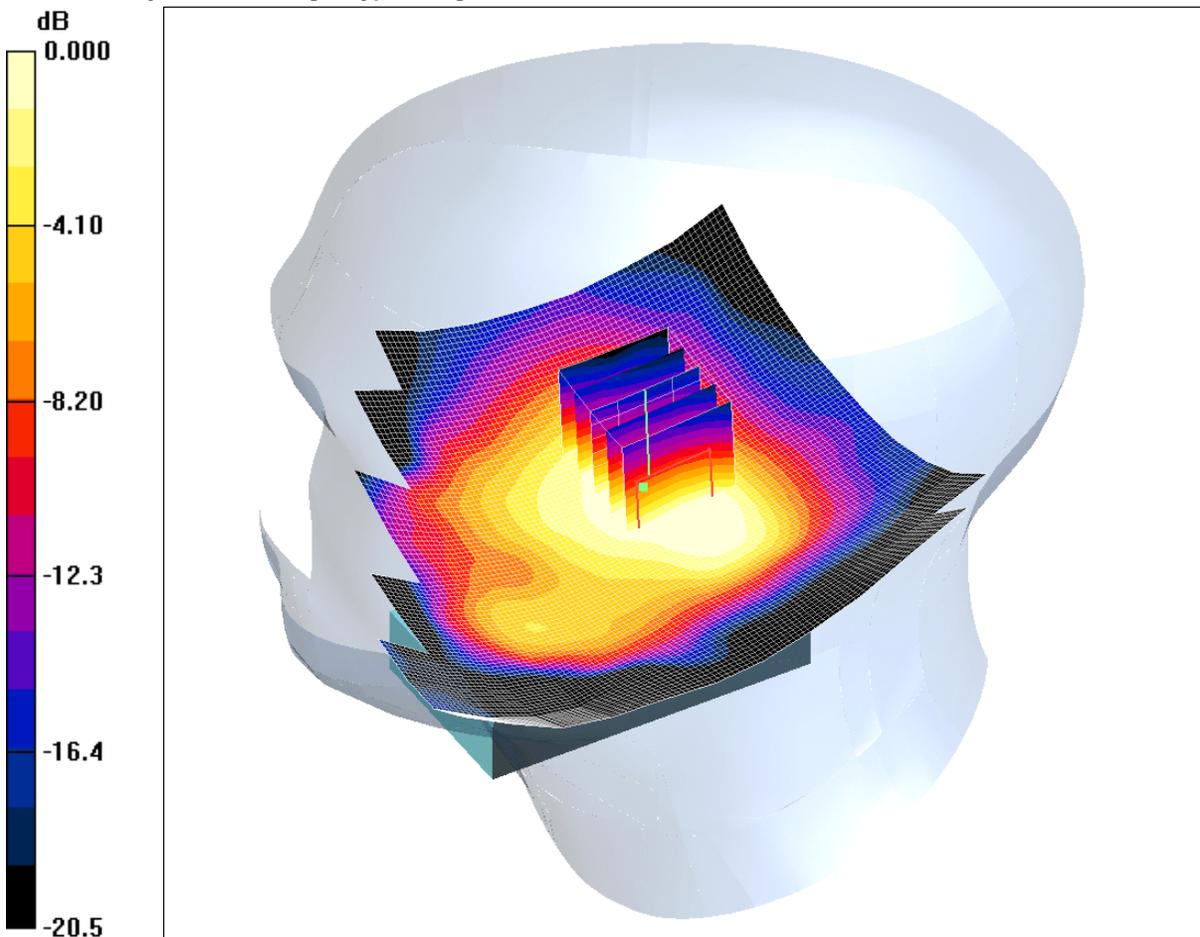
SAR(1 g) = 0.043 mW/g; SAR(10 g) = 0.023 mW/g

Maximum value of SAR (measured) = 0.046 mW/g

SCN/81152JD03/037: Touch Right With Slide Open WiFi 802.11b 1 Mbps CH6

Date 03/04/2011

DUT: Sony Ericsson Fengli; Type: Fengli CK15i; Serial: WUJ2325210; IMEI: 004402141108393



0 dB = 0.145mW/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 (101x111x1): Measurement grid: dx=15mm, dy=15mm

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

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

Reference Value = 8.69 V/m; Power Drift = -0.179 dB

Peak SAR (extrapolated) = 0.247 W/kg

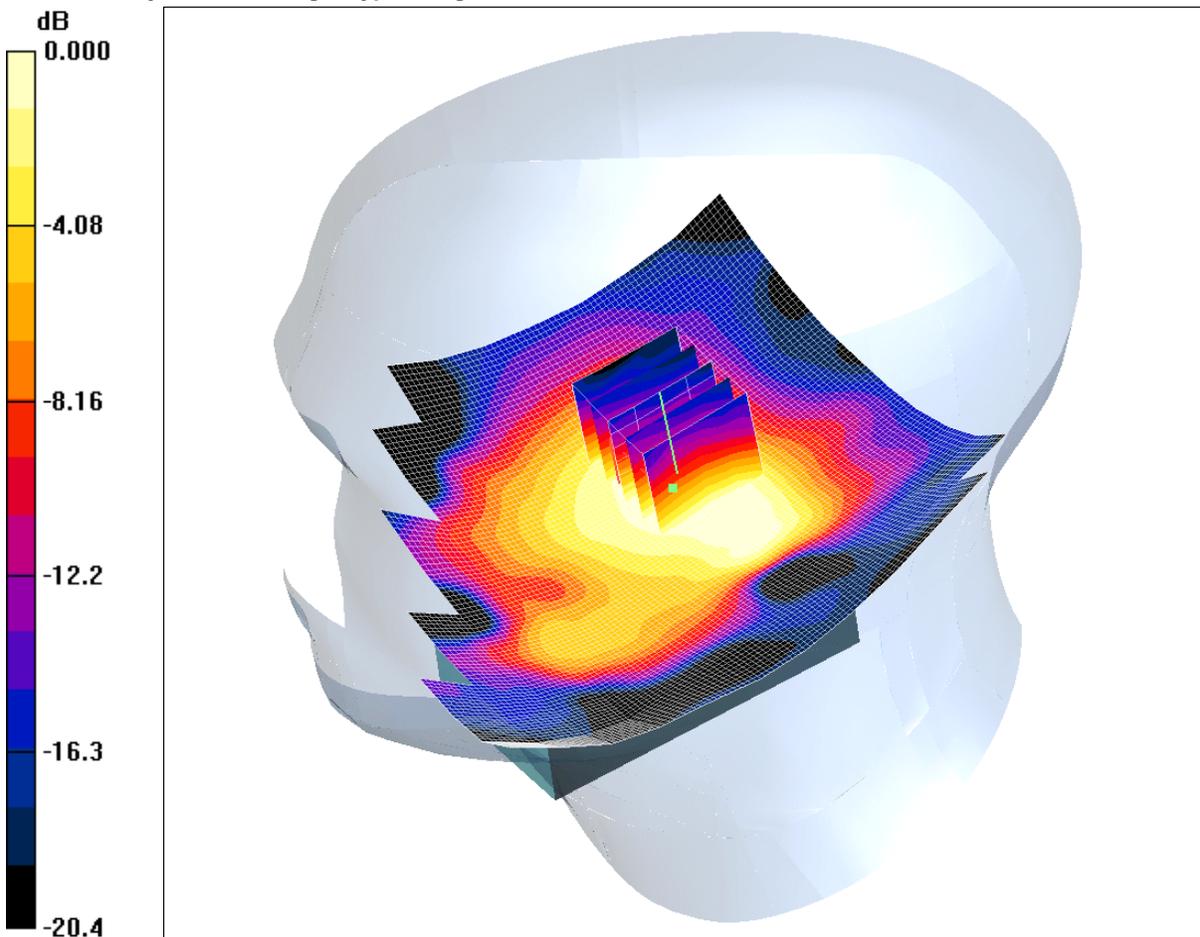
SAR(1 g) = 0.134 mW/g; SAR(10 g) = 0.076 mW/g

Maximum value of SAR (measured) = 0.145 mW/g

SCN/81152JD03/038: Touch Right With Slide Open WiFi 802.11g 6 Mbps CH6

Date 03/04/2011

DUT: Sony Ericsson Fengli; Type: Fengli CK15i; Serial: WUJ2325210; IMEI: 004402141108393



0 dB = 0.064mW/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 (101x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.064 mW/g

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

Reference Value = 5.58 V/m; Power Drift = -0.027 dB

Peak SAR (extrapolated) = 0.110 W/kg

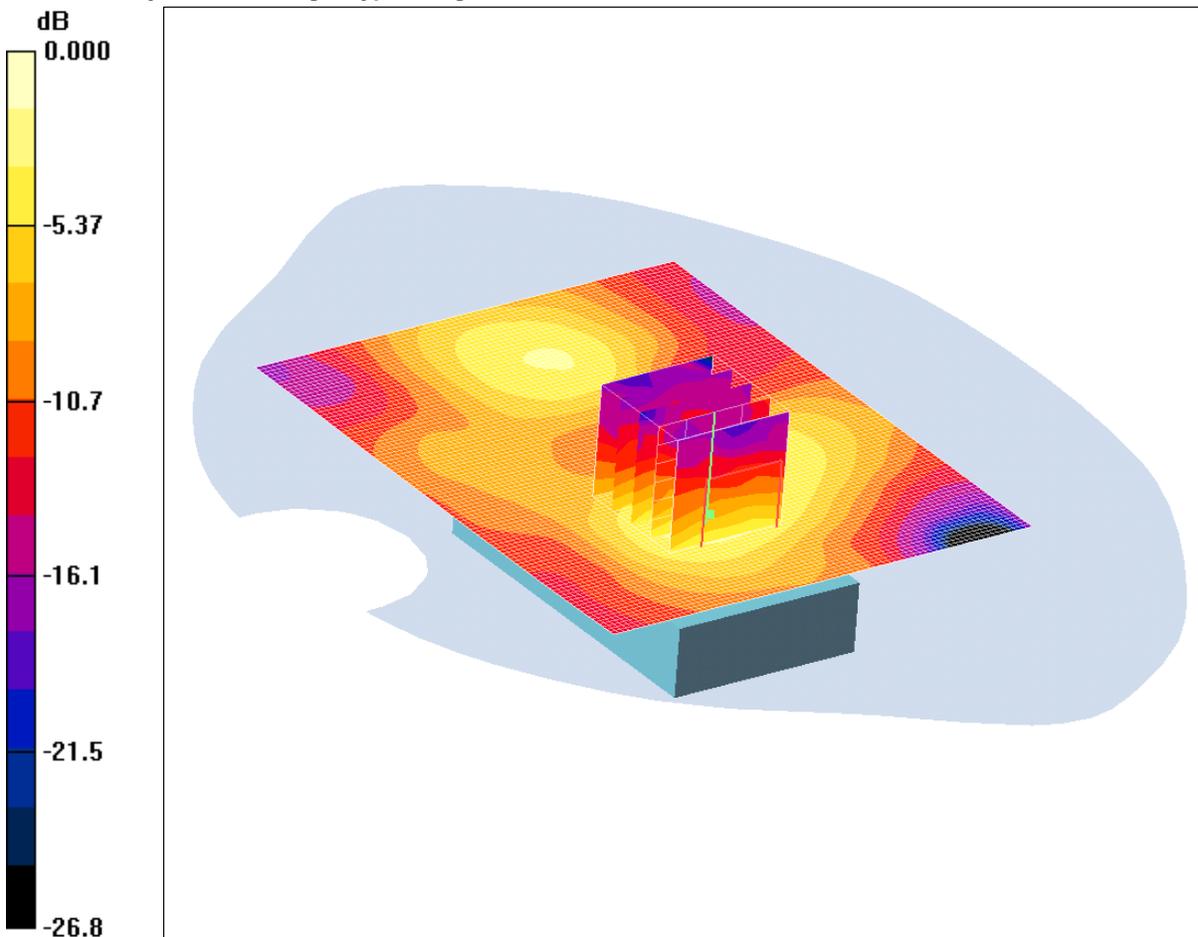
SAR(1 g) = 0.059 mW/g; SAR(10 g) = 0.033 mW/g

Maximum value of SAR (measured) = 0.064 mW/g

SCN/81152JD03/039: Front of EUT Facing Phantom WiFi 802.11b 1 Mbps CH6

Date 04/04/2011

DUT: Sony Ericsson Fengli; Type: Fengli CK15i; Serial: WUJ2325210; IMEI: 004402141108393



0 dB = 0.030mW/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) = 0.018 mW/g

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

Reference Value = 1.59 V/m; Power Drift = -0.360 dB

Peak SAR (extrapolated) = 0.028 W/kg

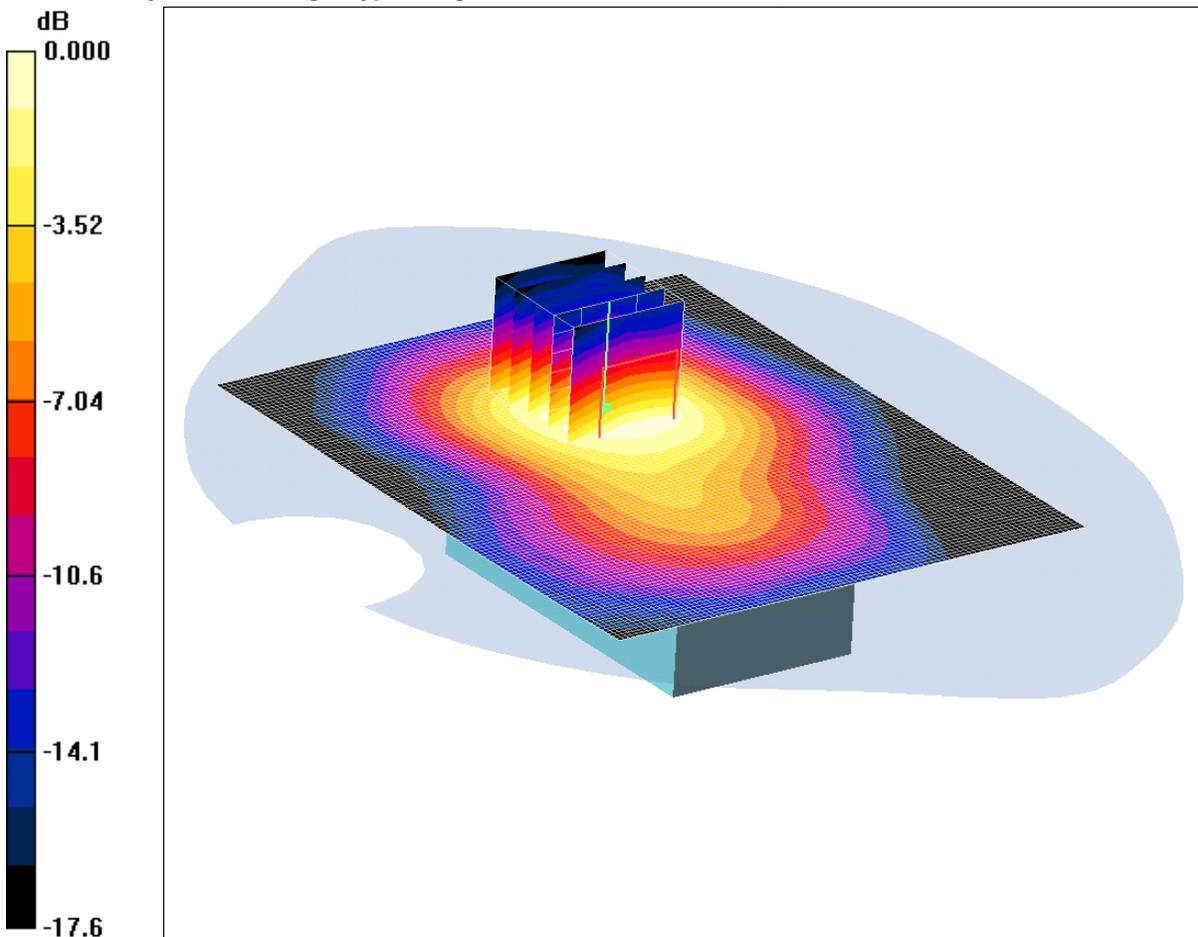
SAR(1 g) = 0.015 mW/g; SAR(10 g) = 0.00877 mW/g

Maximum value of SAR (measured) = 0.016 mW/g

SCN/81152JD03/040: Rear of EUT Facing Phantom WiFi 802.11b 1 Mbps CH6

Date 04/04/2011

DUT: Sony Ericsson Fengli; Type: Fengli CK15i; Serial: WUJ2325210; IMEI: 004402141108393



0 dB = 0.137mW/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 (91x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.138 mW/g

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

Reference Value = 5.79 V/m; Power Drift = 0.098 dB

Peak SAR (extrapolated) = 0.228 W/kg

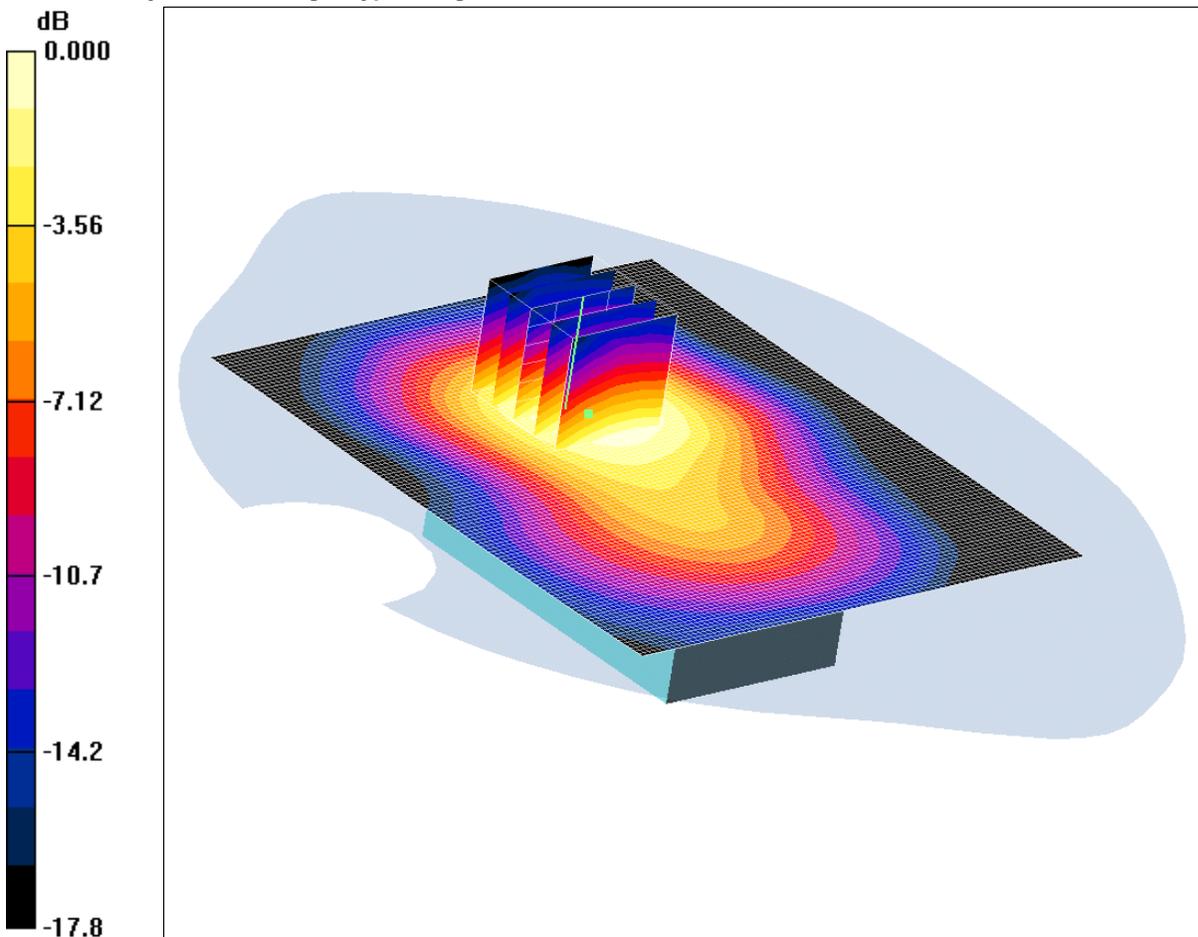
SAR(1 g) = 0.131 mW/g; SAR(10 g) = 0.076 mW/g

Maximum value of SAR (measured) = 0.137 mW/g

SCN/81152JD03/041: Rear of EUT Facing Phantom WiFi 802.11b 1 Mbps CH1

Date 04/04/2011

DUT: Sony Ericsson Fengli; Type: Fengli CK15i; Serial: WUJ2325210; IMEI: 004402141108393



0 dB = 0.176mW/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 (91x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.180 mW/g

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

Reference Value = 7.09 V/m; Power Drift = 0.057 dB

Peak SAR (extrapolated) = 0.285 W/kg

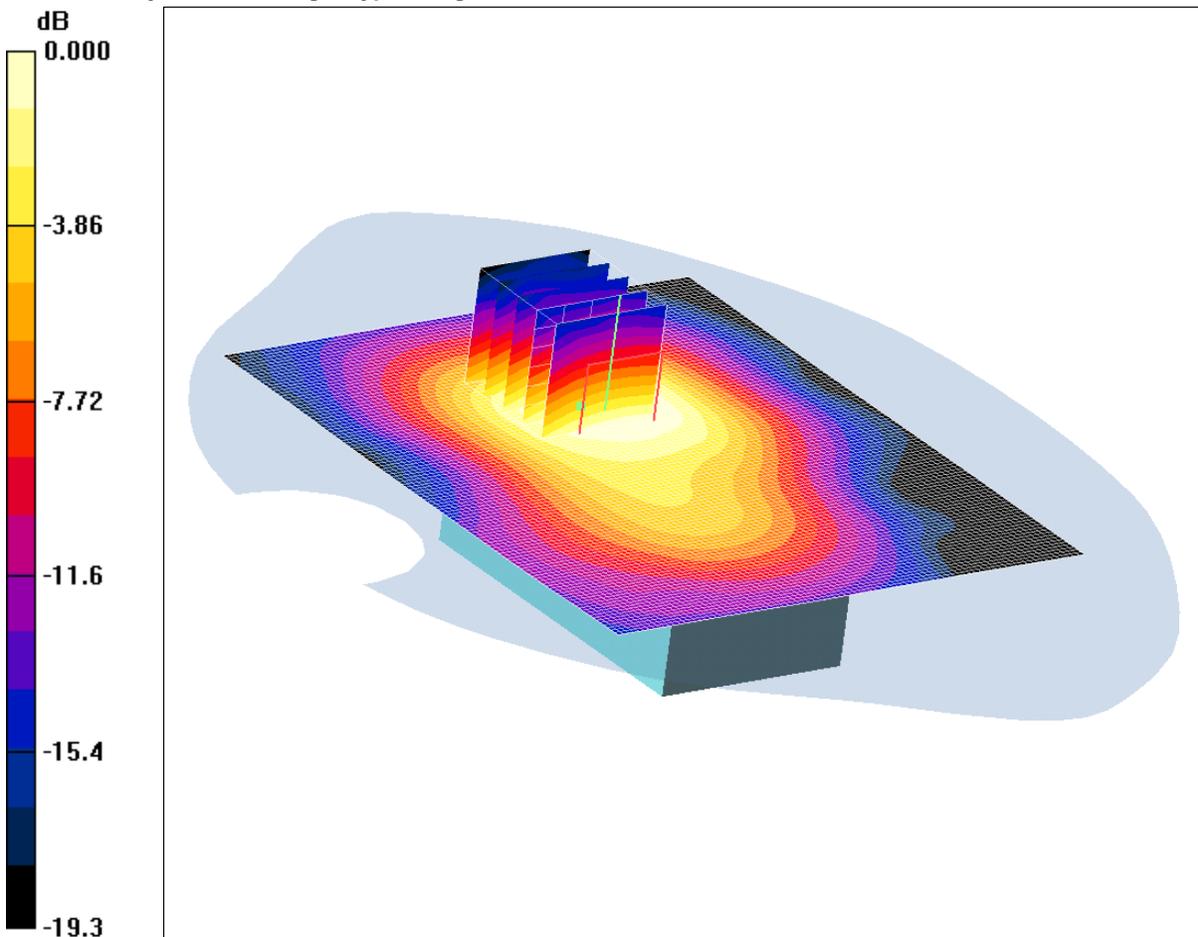
SAR(1 g) = 0.167 mW/g; SAR(10 g) = 0.099 mW/g

Maximum value of SAR (measured) = 0.176 mW/g

SCN/81152JD03/042: Rear of EUT Facing Phantom WiFi 802.11b 1 Mbps CH11

Date 04/04/2011

DUT: Sony Ericsson Fengli; Type: Fengli CK15i; Serial: WUJ2325210; IMEI: 004402141108393



0 dB = 0.130mW/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 (91x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.136 mW/g

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

Reference Value = 5.77 V/m; Power Drift = 0.037 dB

Peak SAR (extrapolated) = 0.212 W/kg

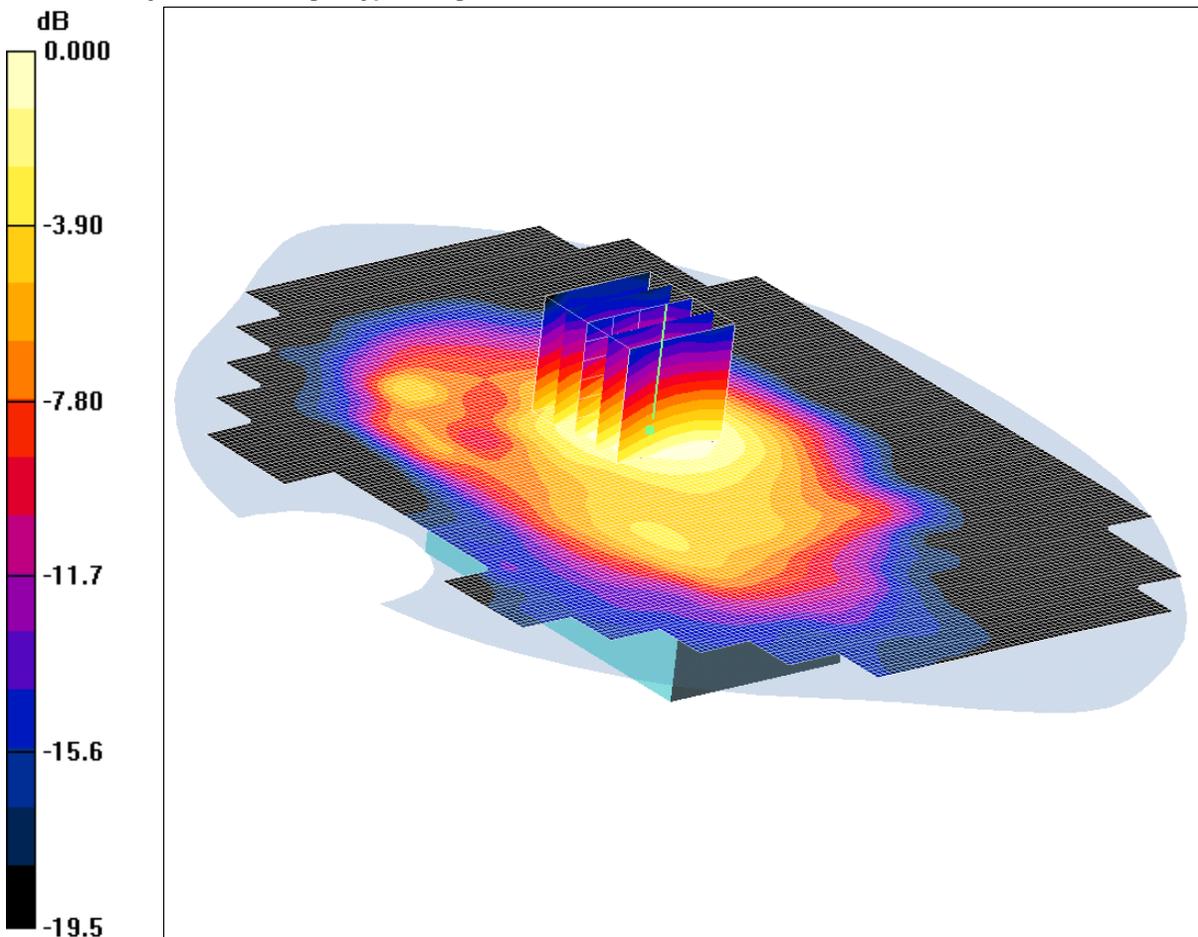
SAR(1 g) = 0.123 mW/g; SAR(10 g) = 0.072 mW/g

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

SCN/81152JD03/043: Rear of EUT Facing Phantom With PHF WiFi 802.11b 1 Mbps CH1

Date 04/04/2011

DUT: Sony Ericsson Fengli; Type: Fengli CK15i; Serial: WUJ2325210; IMEI: 004402141108393



0 dB = 0.174mW/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 (121x161x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.183 mW/g

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

Reference Value = 7.33 V/m; Power Drift = 0.010 dB

Peak SAR (extrapolated) = 0.292 W/kg

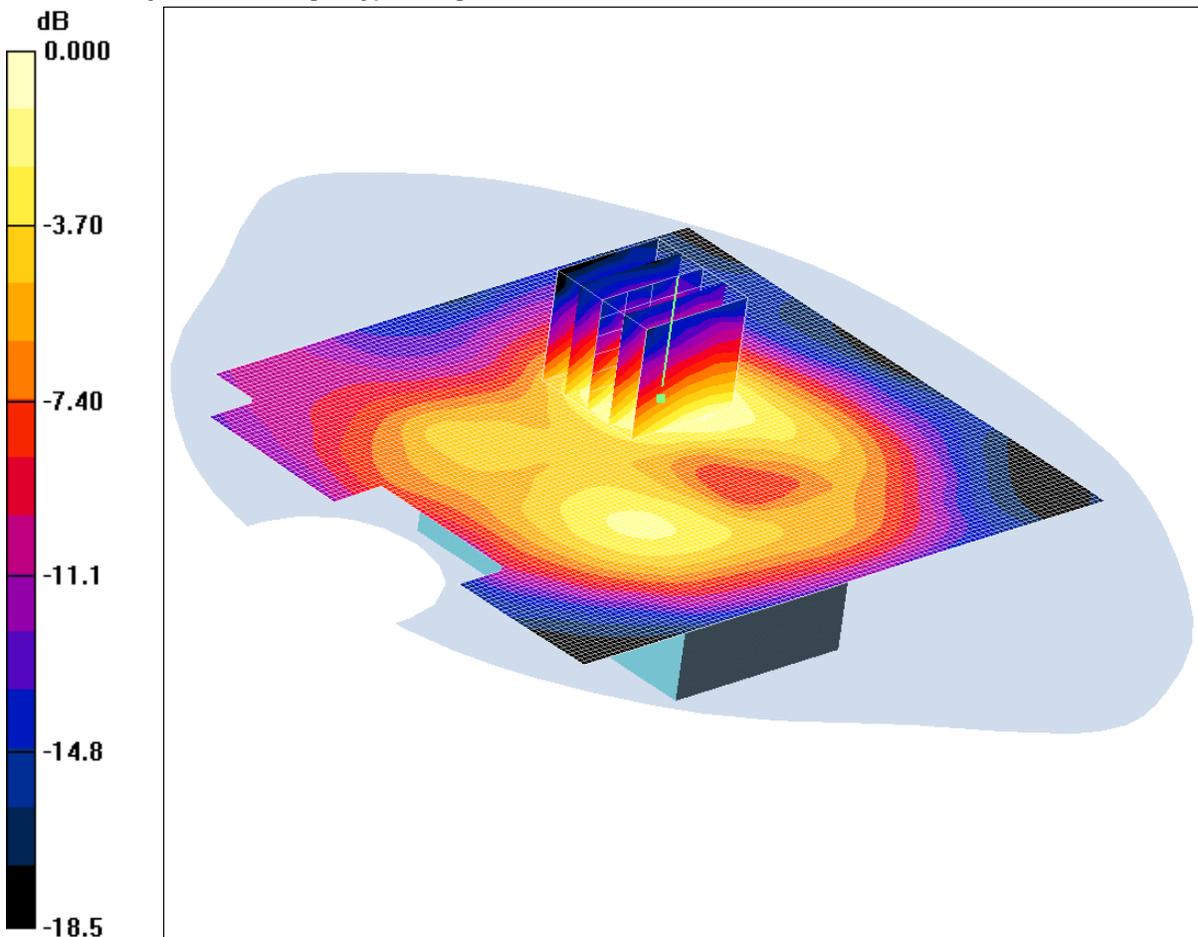
SAR(1 g) = 0.167 mW/g; SAR(10 g) = 0.097 mW/g

Maximum value of SAR (measured) = 0.174 mW/g

SCN/81152JD03/044: Front of EUT With Slide Open Facing Phantom WiFi 802.11b 1 Mbps CH1

Date 04/04/2011

DUT: Sony Ericsson Fengli; Type: Fengli CK15i; Serial: WUJ2325210; IMEI: 004402141108393



0 dB = 0.059mW/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 (111x101x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.061 mW/g

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

dy=8mm, dz=5mm

Reference Value = 3.01 V/m; Power Drift = 0.406 dB

Peak SAR (extrapolated) = 0.095 W/kg

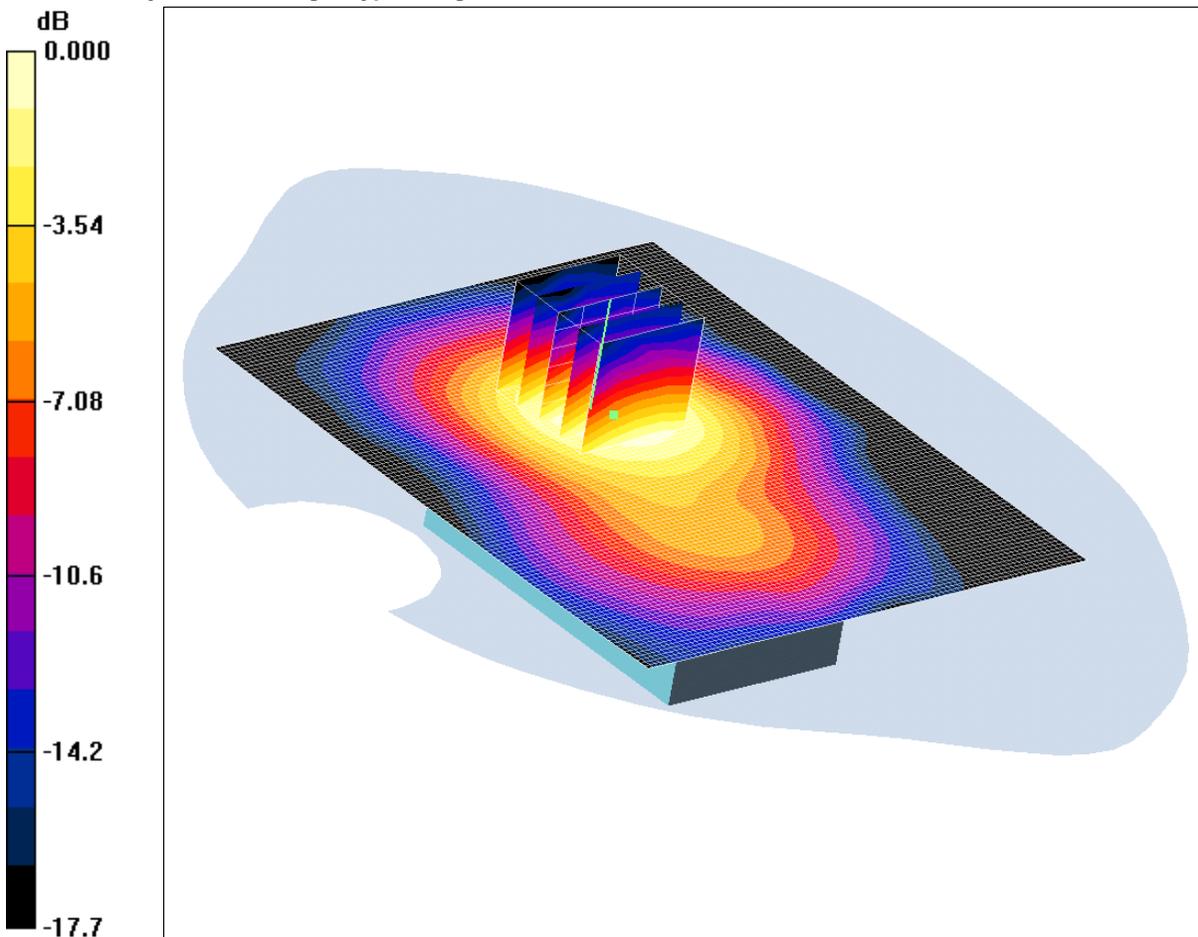
SAR(1 g) = 0.056 mW/g; SAR(10 g) = 0.032 mW/g

Maximum value of SAR (measured) = 0.059 mW/g

SCN/81152JD03/045: Rear of EUT Facing Phantom WiFi 802.11g 6 Mbps CH1

Date 04/04/2011

DUT: Sony Ericsson Fengli; Type: Fengli CK15i; Serial: WUJ2325210; IMEI: 004402141108393



0 dB = 0.079mW/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 (91x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.081 mW/g

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

Reference Value = 4.87 V/m; Power Drift = -0.039 dB

Peak SAR (extrapolated) = 0.129 W/kg

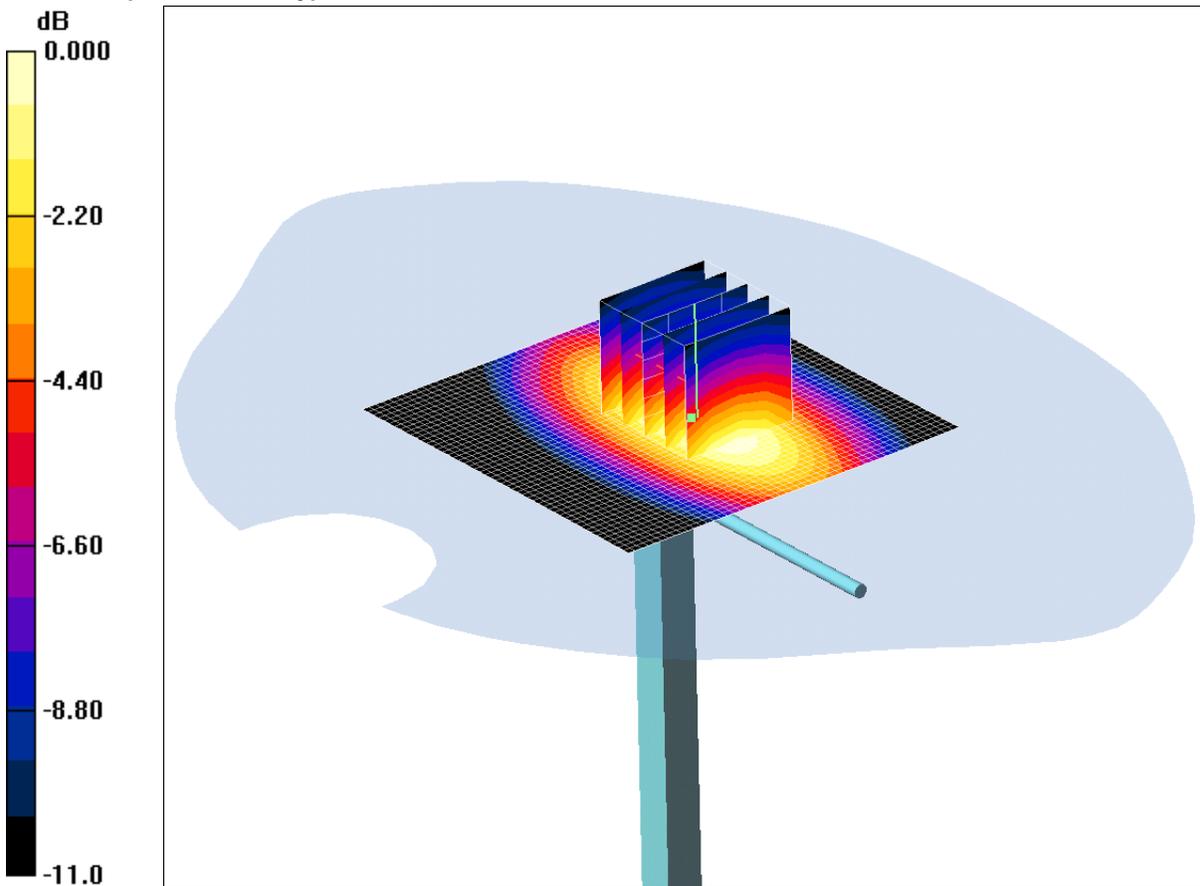
SAR(1 g) = 0.075 mW/g; SAR(10 g) = 0.044 mW/g

Maximum value of SAR (measured) = 0.079 mW/g

SCN/81152JD03/046: System Performance Check 900MHz Head 15 03 11

Date 15/03/2011

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



0 dB = 2.99mW/g

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

Medium: 900 MHz HSL Medium parameters used: $f = 900 \text{ MHz}$; $\sigma = 0.959 \text{ mho/m}$; $\epsilon_r = 41.9$; $\rho = 1000 \text{ kg/m}^3$

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 /Area Scan (51x51x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 3.02 mW/g

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

Reference Value = 52.4 V/m; Power Drift = 0.026 dB

Peak SAR (extrapolated) = 4.16 W/kg

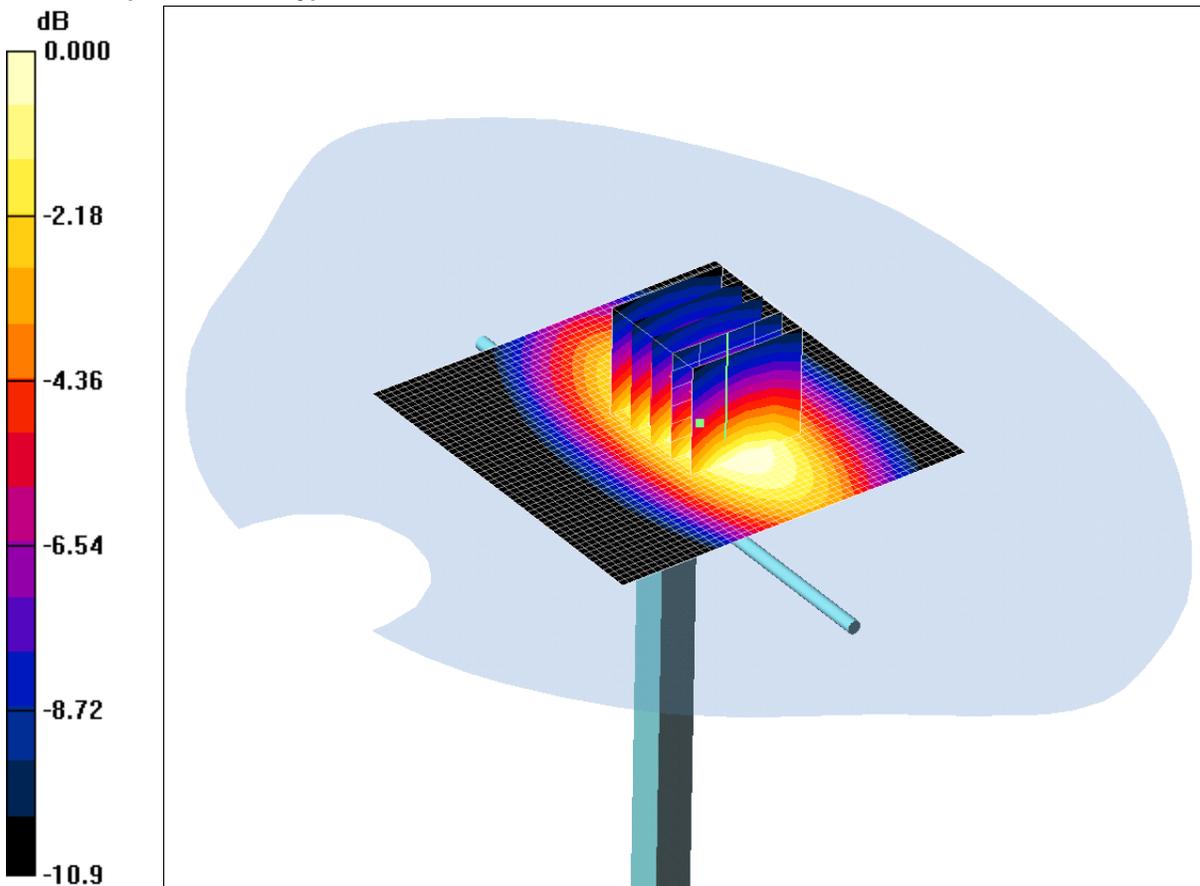
SAR(1 g) = 2.77 mW/g; SAR(10 g) = 1.8 mW/g

Maximum value of SAR (measured) = 2.99 mW/g

SCN/81152JD03/047: System Performance Check 900MHz Head 19 03 11

Date 19/03/2011

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



0 dB = 2.89mW/g

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

Medium: 900 MHz HSL Medium parameters used: $f = 900 \text{ MHz}$; $\sigma = 0.948 \text{ mho/m}$; $\epsilon_r = 40.7$; $\rho = 1000 \text{ kg/m}^3$

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) = 2.95 mW/g

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

Reference Value = 51.4 V/m; Power Drift = -0.012 dB

Peak SAR (extrapolated) = 4.04 W/kg

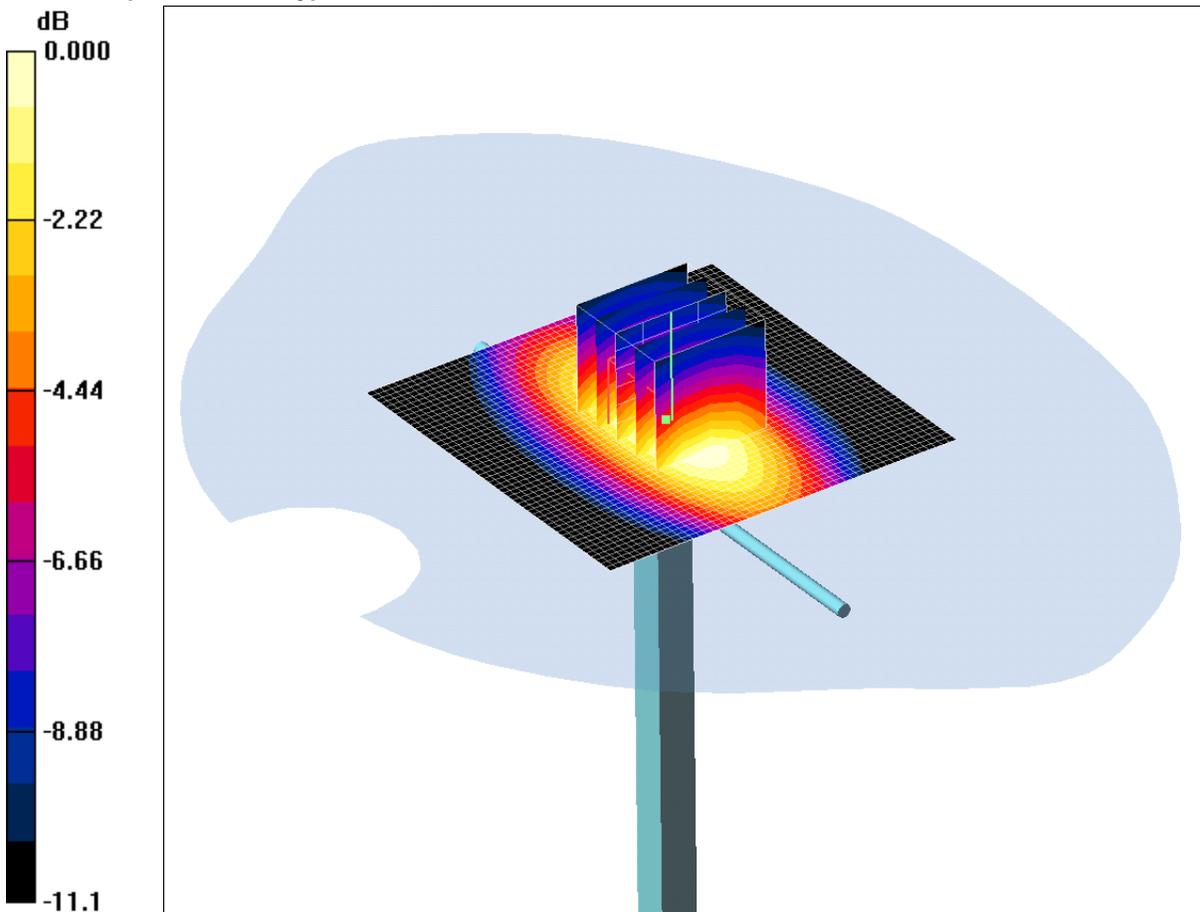
SAR(1 g) = 2.69 mW/g; SAR(10 g) = 1.75 mW/g

Maximum value of SAR (measured) = 2.89 mW/g

SCN/81152JD03/048: 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

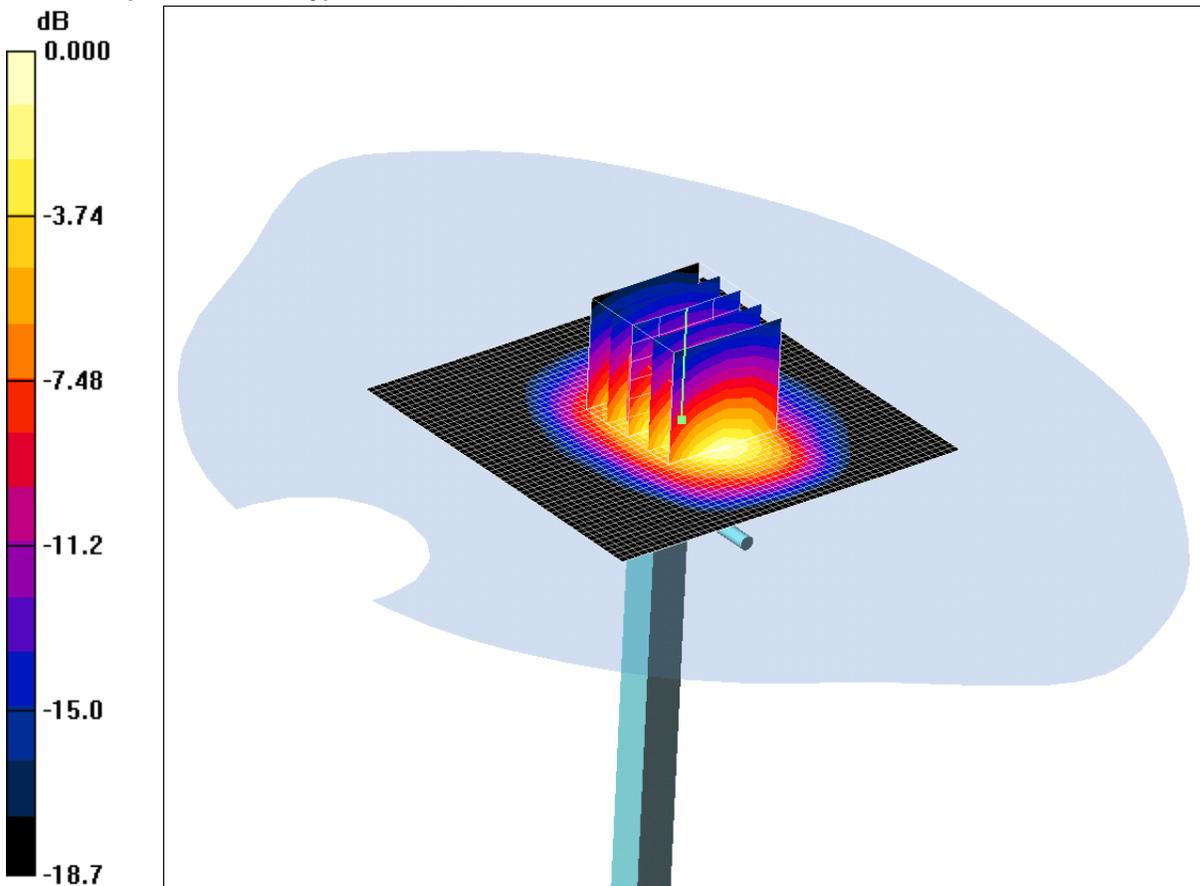
SAR(1 g) = 2.81 mW/g; SAR(10 g) = 1.82 mW/g

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

SCN/81152JD03/049: System Performance Check 1900MHz Head 16 03 11

Date 16/03/2011

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



0 dB = 11.2mW/g

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) = 13.4 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 = 81.3 V/m; Power Drift = 0.177 dB

Peak SAR (extrapolated) = 19.1 W/kg

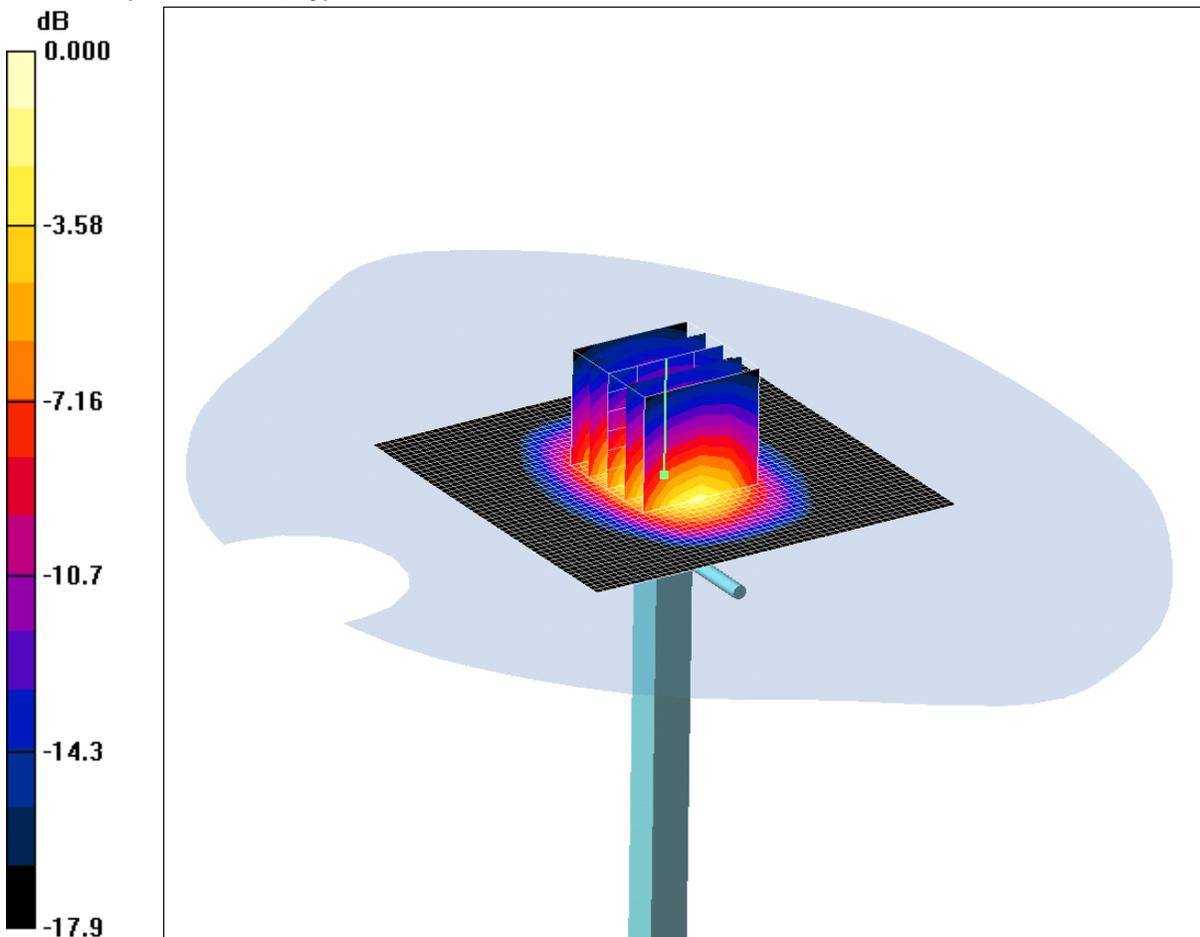
SAR(1 g) = 10.1 mW/g; SAR(10 g) = 5.22 mW/g

Maximum value of SAR (measured) = 11.2 mW/g

SCN/81152JD03/050: 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

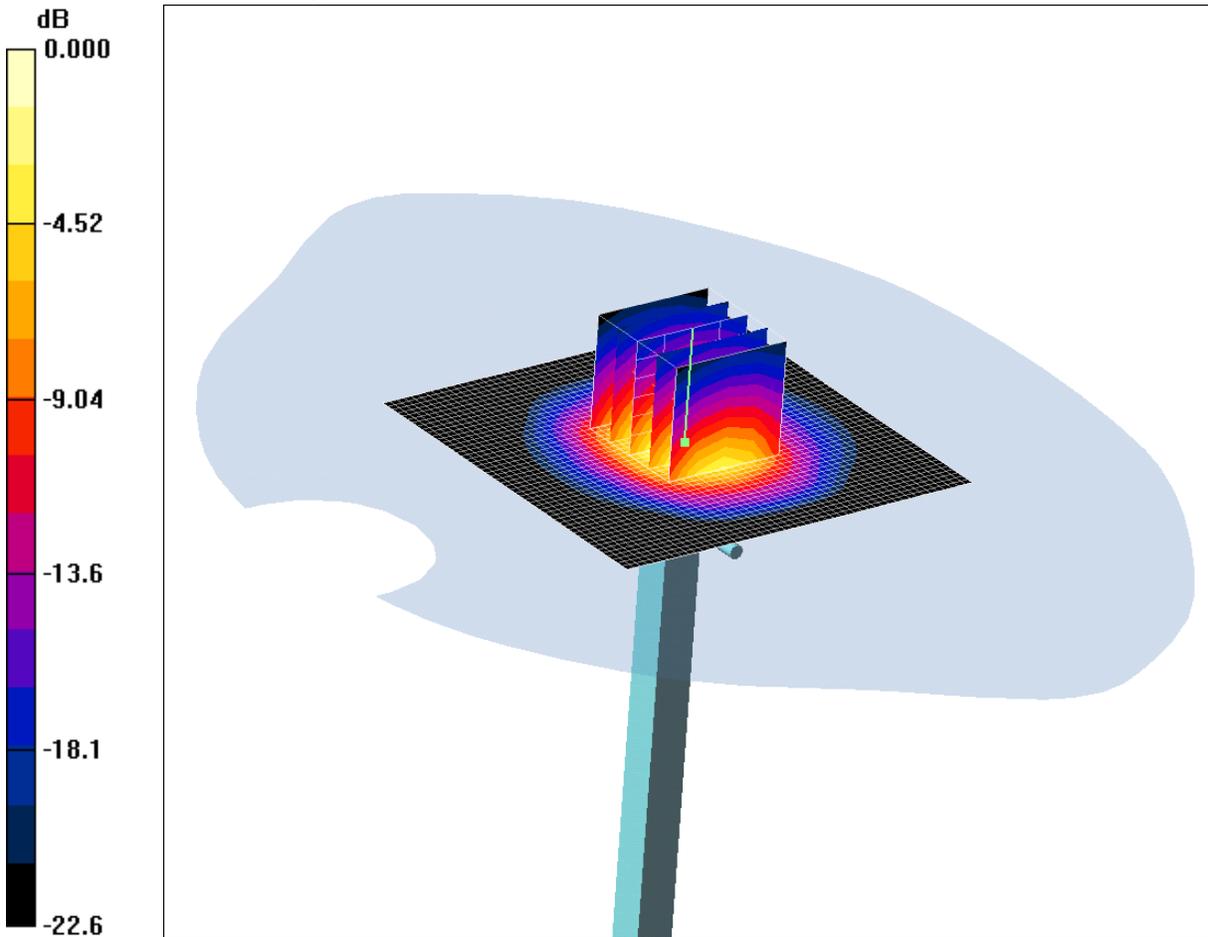
Reference Value = 83.7 V/m; Power Drift = 0.267 dB

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/81152JD03/051: System Performance Check 2450MHz Head 03 04 11
Date 03/04/2011
DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:725



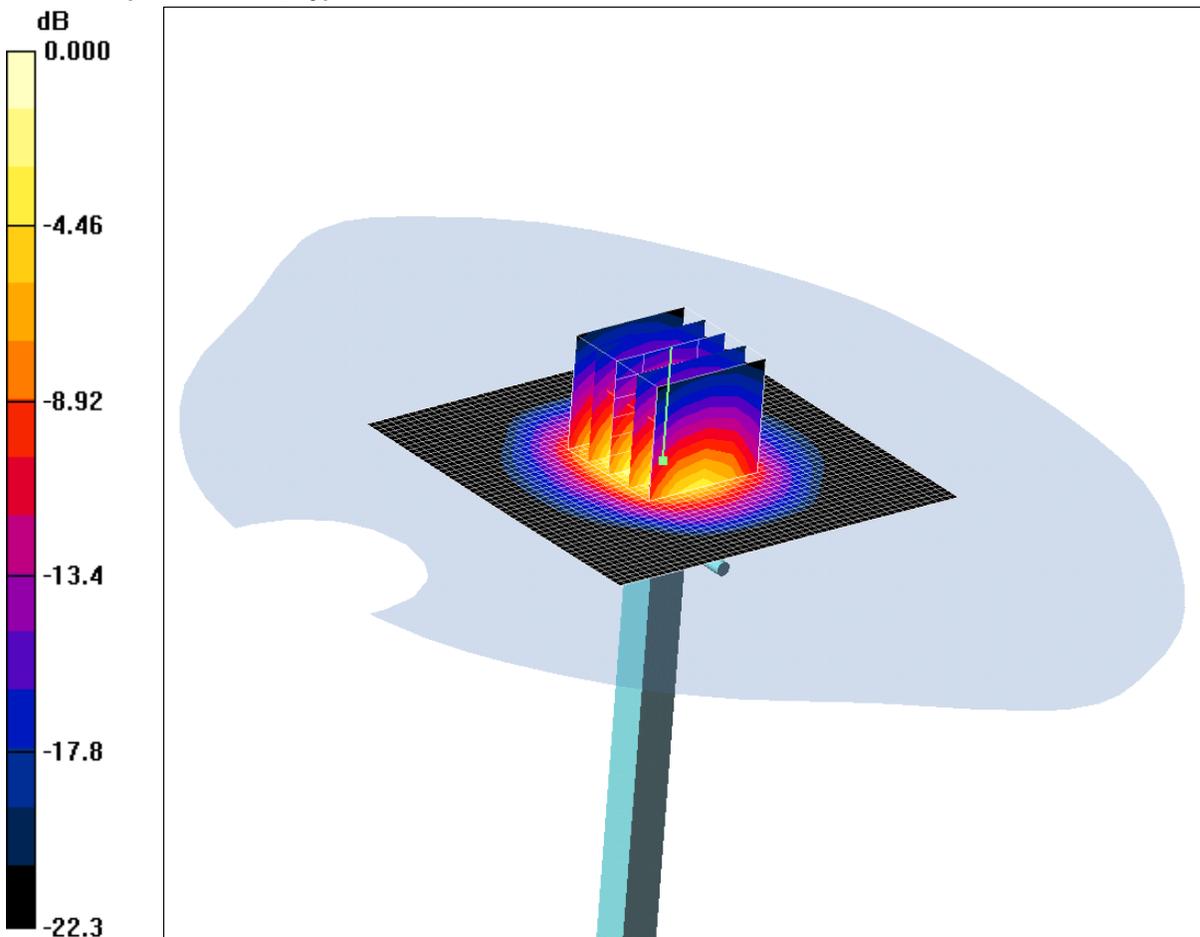
0 dB = 15.4mW/g

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) = 21.2 mW/g
d=10mm, Pin=250mW 1/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 90.2 V/m; Power Drift = 0.050 dB
Peak SAR (extrapolated) = 28.4 W/kg
SAR(1 g) = 13.5 mW/g; SAR(10 g) = 6.24 mW/g
Maximum value of SAR (measured) = 15.4 mW/g

SCN/81152JD03/052: 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: $f = 2450 \text{ MHz}$; $\sigma = 2.02 \text{ mho/m}$; $\epsilon_r = 50.7$; $\rho = 1000 \text{ kg/m}^3$

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

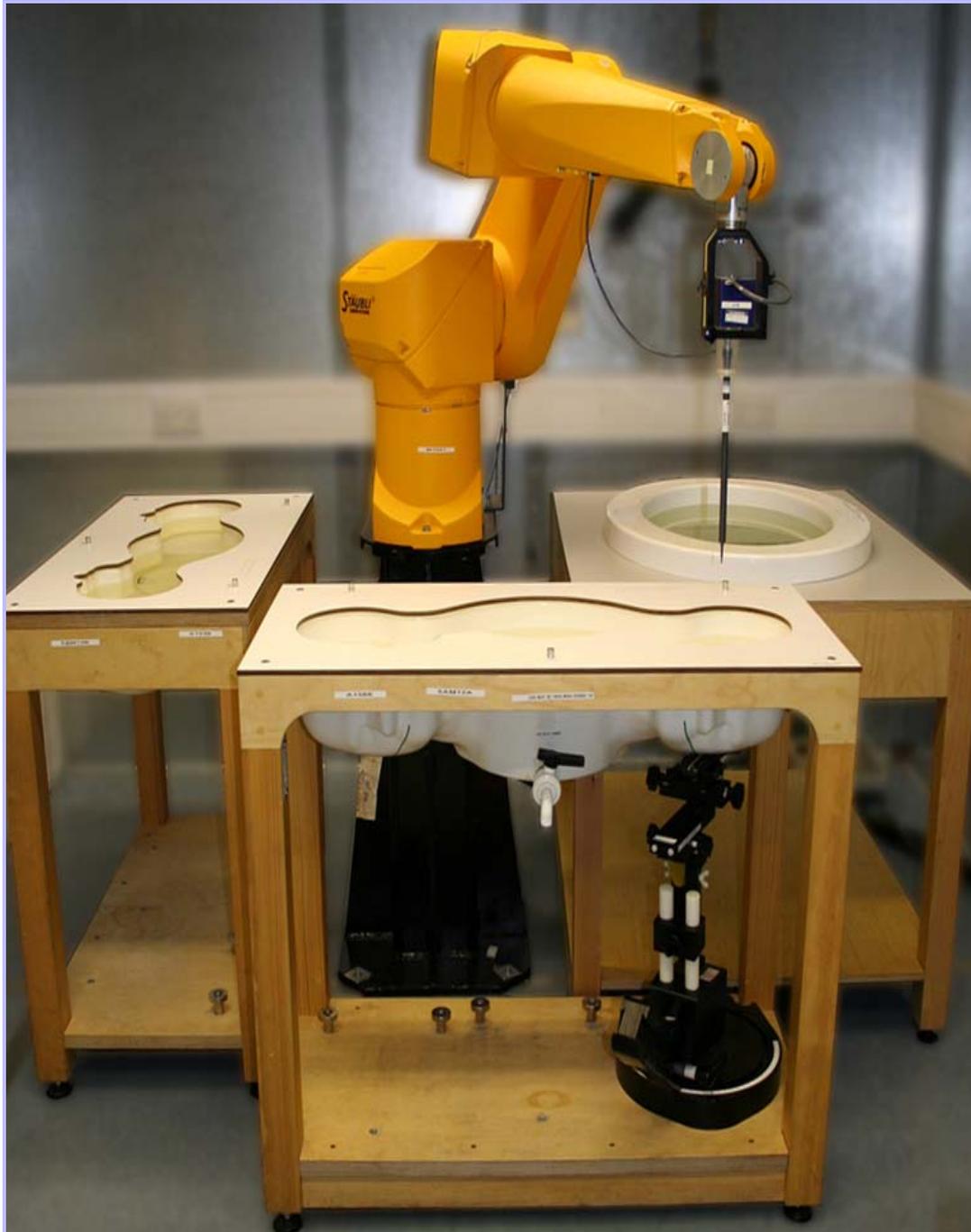
Maximum value of SAR (measured) = 14.6 mW/g

Appendix 4. Photographs

This appendix contains the following photographs:

| Photo Reference Number | Title |
|------------------------|--|
| PHT/81152JD03/001 | Test configuration for the measurement of Specific Absorption Rate (SAR) |
| PHT/81152JD03/002 | Touch Left |
| PHT/81152JD03/003 | Tilt Left |
| PHT/81152JD03/004 | Touch Right |
| PHT/81152JD03/005 | Tilt Right |
| PHT/81152JD03/006 | Touch Right With Slide Open |
| PHT/81152JD03/007 | Front of EUT Facing Phantom |
| PHT/81152JD03/008 | Rear of EUT Facing Phantom |
| PHT/81152JD03/009 | Front of EUT With Slide Open Facing Phantom |
| PHT/81152JD03/010 | General Set With PHF |
| PHT/81152JD03/011 | Front View of EUTs |
| PHT/81152JD03/012 | Rear View of EUTs |
| PHT/81152JD03/013 | Front With Slide Open View |
| PHT/81152JD03/014 | Rear With Slide Open View |
| PHT/81152JD03/015 | Internal View of EUTs |
| PHT/81152JD03/016 | Battery View |
| PHT/81152JD03/017 | PHF View |
| PHT/81152JD03/018 | 900 MHz Head Fluid Level |
| PHT/81152JD03/019 | 900 MHz Body Fluid Level |
| PHT/81152JD03/020 | 1900 MHz Head Fluid Level |
| PHT/81152JD03/021 | 1900 MHz Body Fluid Level |
| PHT/81152JD03/022 | 2450 MHz Head Fluid Level |
| PHT/81152JD03/023 | 2450 MHz Body Fluid Level |

PHT/81152JD03/001: Test configuration for the measurement of Specific Absorption Rate (SAR)



PHT/81152JD03/002: Touch Left



PHT/81152JD03/003: Tilt Left



PHT/81152JD03/004: Touch Right



PHT/81152JD03/005: Tilt Right



PHT/81152JD03/006: Touch Right With Slide Open



PHT/81152JD03/007: Front of EUT Facing Phantom



PHT/81152JD03/008: Rear of EUT Facing Phantom



PHT/81152JD03/009: Front of EUT With Slide Open Facing Phantom



PHT/81152JD03/010: General Set With PHF



PHT/81152JD03/011: Front View of EUTs



PHT/81152JD03/012: Rear View of EUTs



PHT/81152JD03/013: Front With Slide Open View



PHT/81152JD03/014: Rear With Slide Open View



PHT/81152JD03/015: Internal View of EUTs



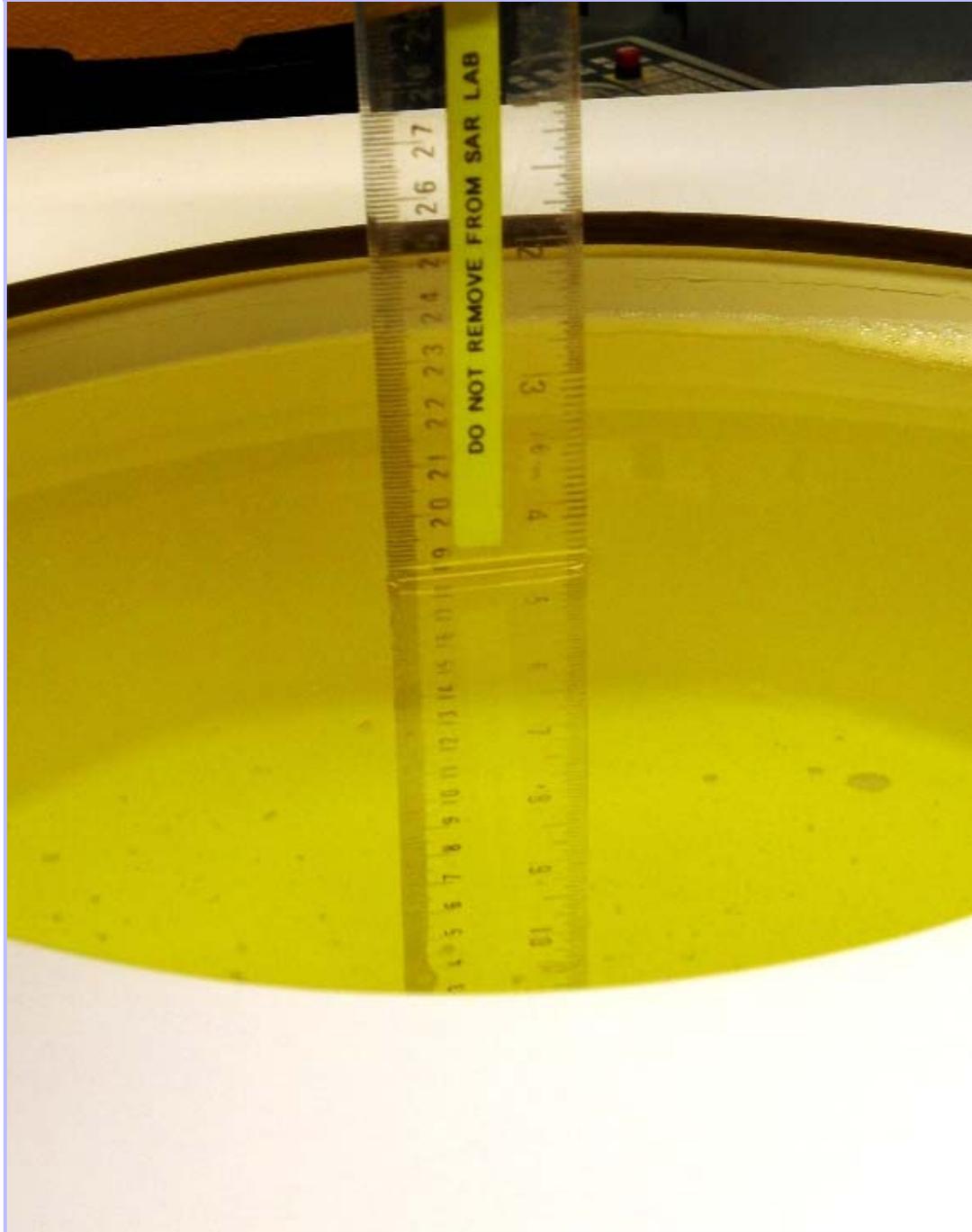
PHT/81152JD03/016: Battery View



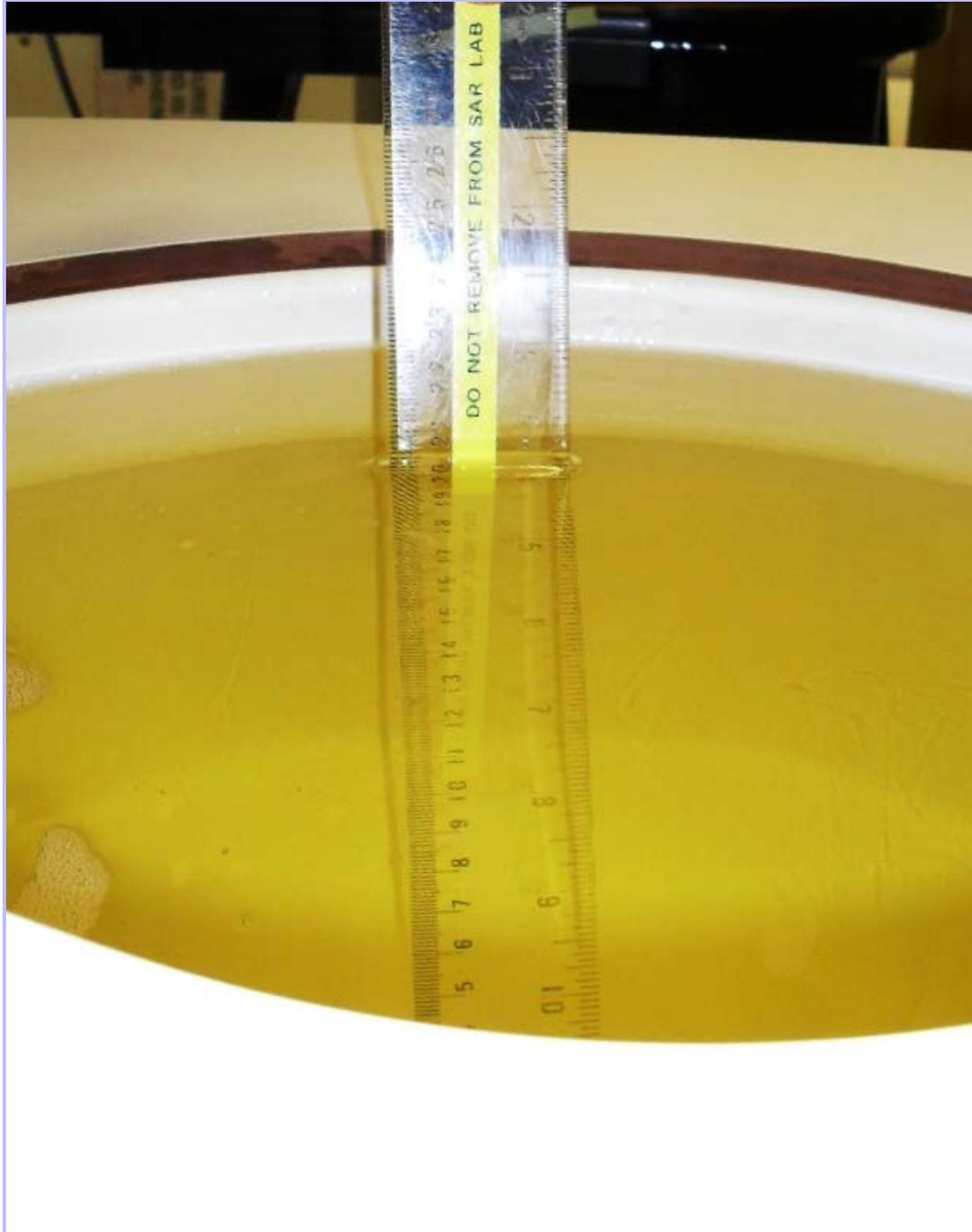
PHT/81152JD03/017: PHF View



PHT/81152JD03/018: 900 MHz Head Fluid Level



PHT/81152JD03/019: 900 MHz Body Fluid Level



PHT/81152JD03/020: 1900 MHz Head Fluid Level



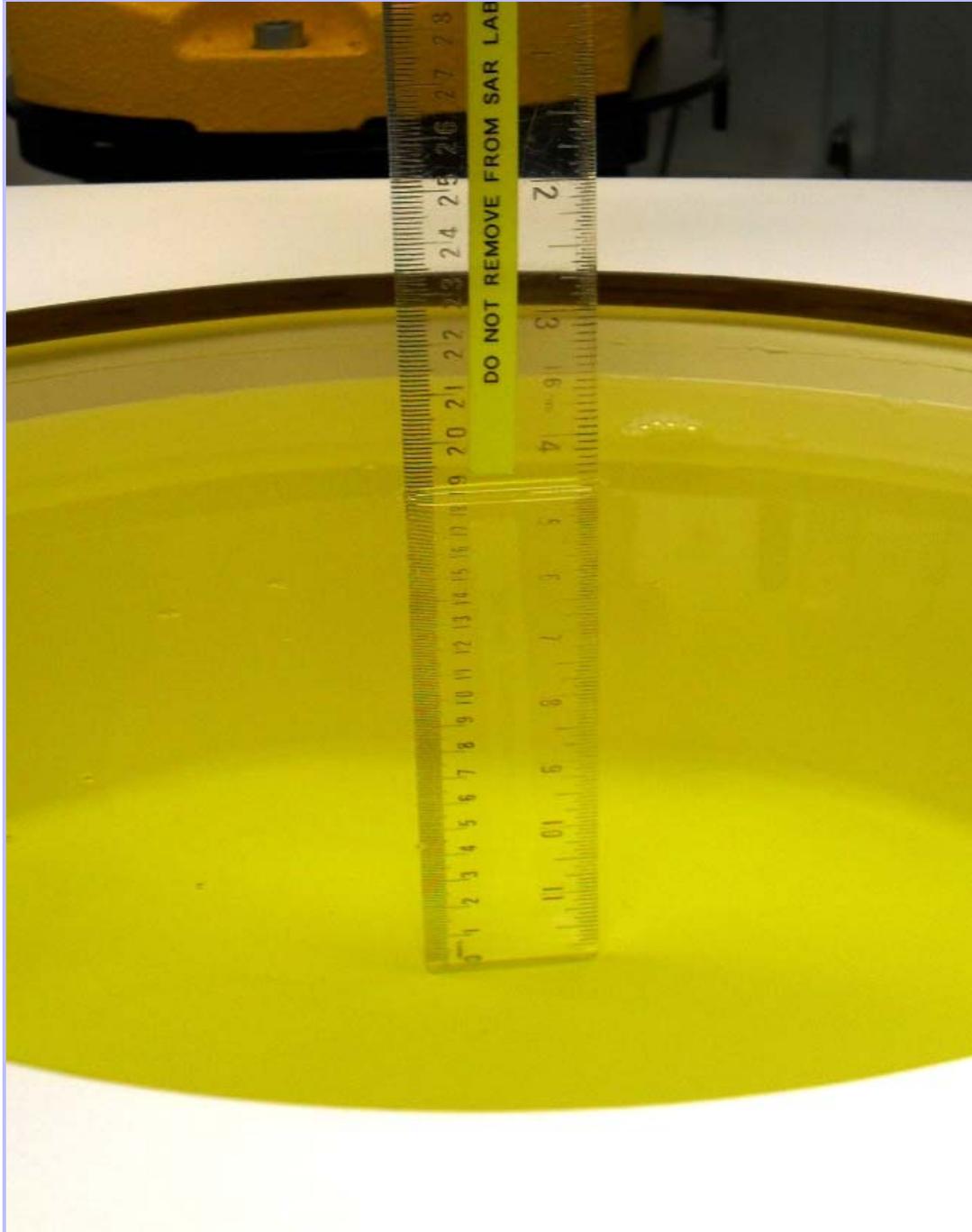
PHT/81152JD03/021: 1900 MHz Body Fluid Level



PHT/81152JD03/022: 2450 MHz Head Fluid Level



PHT/81152JD03/023: 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: 15/03/2011

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 | 22.7°C | ϵ_r | 41.50 | 41.90 | 0.96 | 5.00 |
| | | | | σ | 0.97 | 0.96 | -1.30 | 5.00 |
| | | | | 1g SAR | 11.00 | 11.08 | 0.73 | 5.00 |
| | | | | 10g SAR | 7.01 | 7.20 | 2.71 | 5.00 |

Date: 19/03/2011

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 | 22.4°C | ϵ_r | 41.50 | 40.72 | -1.88 | 5.00 |
| | | | | σ | 0.97 | 0.95 | -2.37 | 5.00 |
| | | | | 1g SAR | 11.00 | 10.76 | -2.18 | 5.00 |
| | | | | 10g SAR | 7.01 | 7.00 | -0.14 | 5.00 |

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 |

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: 16/03/2011 | | | | | | | | |
| 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 | 40.40 | 0.25 | 5.00 |
| | | | | 10g SAR | 21.00 | 20.88 | -0.57 | 5.00 |
| 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 |
| Date: 03/04/2011 | | | | | | | | |
| 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 | 54.00 | 2.08 | 5.00 |
| | | | | 10g SAR | 24.70 | 24.96 | 1.05 | 5.00 |
| 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 |

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 nit 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 |