

Date/Time: 2010/8/17 01:58:59

Test Laboratory: Bureau Veritas ADT

M13-Right Head-Cheek-PCS1900-Ch661_SIM 1

DUT: GSM/EGPRS Mobile Phone ; Type: EX115

Communication System: PCS 1900 ; Frequency: 1880 MHz ; Duty Cycle: 1:8.3

Medium: HSL1900 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.42$ mho/m; $\epsilon_r = 40.7$; $\rho = 1000$ kg/m³

Phantom section: Right Section ; DUT test position : Cheek ; Modulation type: GMSK

DASY4 Configuration:

- Probe: EX3DV4 - SN3590 ; ConvF(8.33, 8.33, 8.33) ; Calibrated: 2010/3/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2010/1/22
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Touch Position - Mid Channel 661/Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.750 mW/g

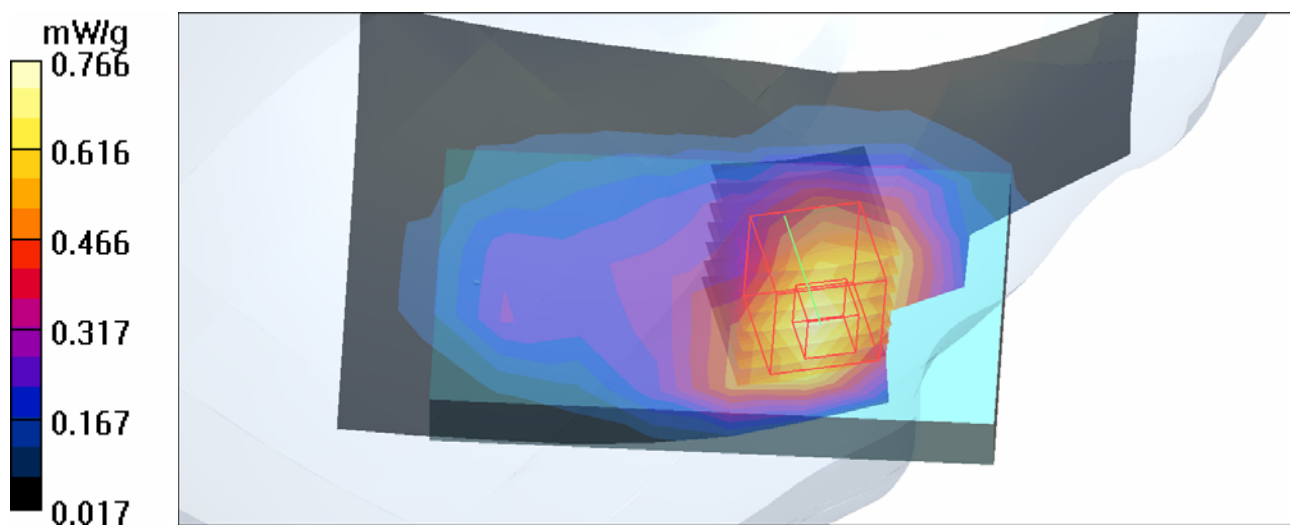
Touch Position - Mid Channel 661/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.2 V/m; Power Drift = -0.004 dB

Peak SAR (extrapolated) = 0.918 W/kg

SAR(1 g) = 0.596 mW/g; SAR(10 g) = 0.370 mW/g

Maximum value of SAR (measured) = 0.766 mW/g



Date/Time: 2010/8/17 02:25:04

Test Laboratory: Bureau Veritas ADT

M14-Right Head-Tilt-PCS1900-Ch661_SIM 1

DUT: GSM/EGPRS Mobile Phone ; Type: EX115

Communication System: PCS 1900 ; Frequency: 1880 MHz ; Duty Cycle: 1:8.3

Medium: HSL1900 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.42$ mho/m; $\epsilon_r = 40.7$; $\rho = 1000$ kg/m³

Phantom section: Right Section ; DUT test position : Tilt ; Modulation type: GMSK

DASY4 Configuration:

- Probe: EX3DV4 - SN3590 ; ConvF(8.33, 8.33, 8.33) ; Calibrated: 2010/3/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2010/1/22
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Tilt Position - Mid Channel 661/Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.496 mW/g

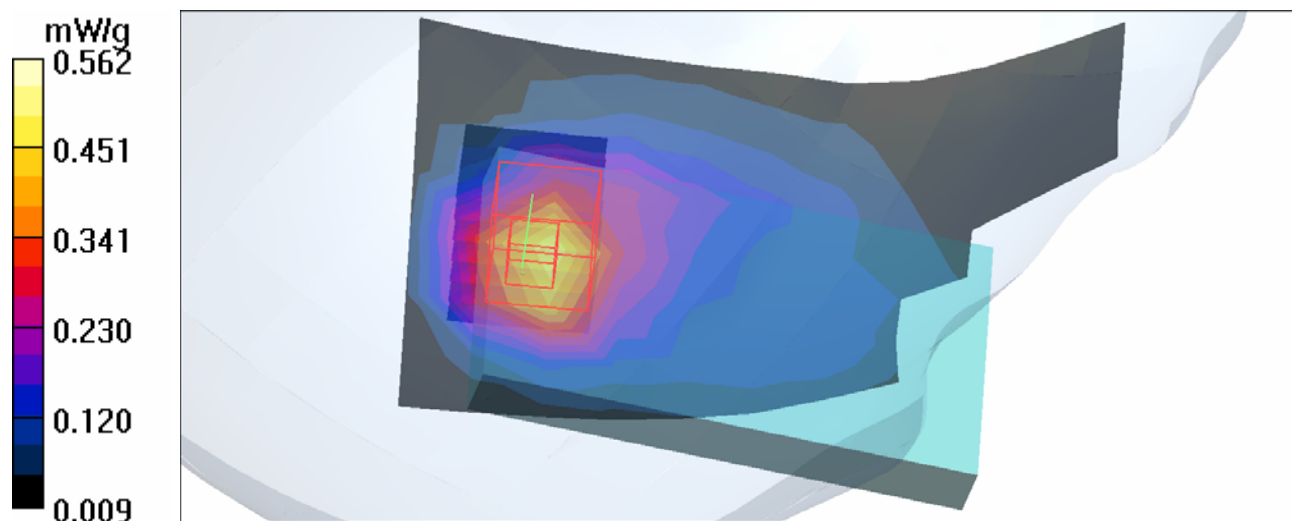
Tilt Position - Mid Channel 661/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 20.0 V/m; Power Drift = -0.028 dB

Peak SAR (extrapolated) = 0.690 W/kg

SAR(1 g) = 0.421 mW/g; SAR(10 g) = 0.242 mW/g

Maximum value of SAR (measured) = 0.562 mW/g



Date/Time: 2010/8/17 02:52:49

Test Laboratory: Bureau Veritas ADT

M15-Left Head-Cheek-PCS1900-Ch512_SIM 1

DUT: GSM/EGPRS Mobile Phone ; Type: EX115

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

Medium: HSL1900 Medium parameters used: $f = 1850.2$ MHz; $\sigma = 1.39$ mho/m; $\epsilon_r = 40.8$; $\rho = 1000$ kg/m³

Phantom section: Left Section ; DUT test position : Cheek ; Modulation type: GMSK

DASY4 Configuration:

- Probe: EX3DV4 - SN3590 ; ConvF(8.33, 8.33, 8.33) ; Calibrated: 2010/3/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2010/1/22
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Touch Position - Low Channel 512/Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm

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

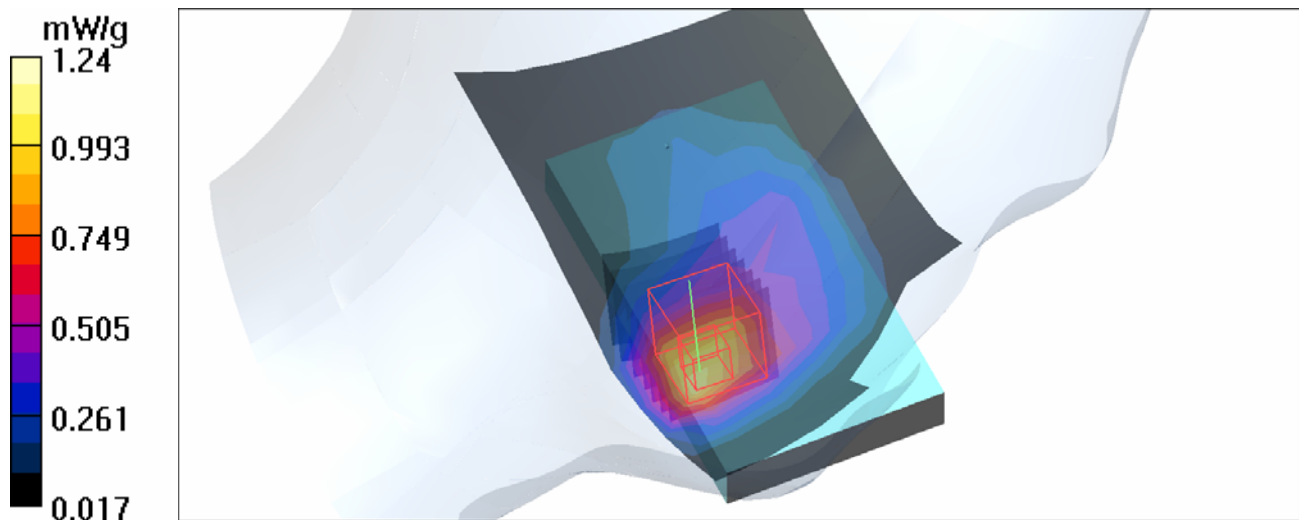
Touch Position - Low Channel 512/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.6 V/m; Power Drift = 0.128 dB

Peak SAR (extrapolated) = 1.55 W/kg

SAR(1 g) = 0.906 mW/g; SAR(10 g) = 0.515 mW/g

Maximum value of SAR (measured) = 1.24 mW/g



Date/Time: 2010/8/17 03:17:59

Test Laboratory: Bureau Veritas ADT

M15-Left Head-Cheek-PCS1900-Ch661_SIM 1

DUT: GSM/EGPRS Mobile Phone ; Type: EX115

Communication System: PCS 1900 ; Frequency: 1880 MHz ; Duty Cycle: 1:8.3

Medium: HSL1900 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.42$ mho/m; $\epsilon_r = 40.7$; $\rho = 1000$ kg/m³

Phantom section: Left Section ; DUT test position : Cheek ; Modulation type: GMSK

DASY4 Configuration:

- Probe: EX3DV4 - SN3590 ; ConvF(8.33, 8.33, 8.33) ; Calibrated: 2010/3/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2010/1/22
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Touch Position - Mid Channel 661/Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.29 mW/g

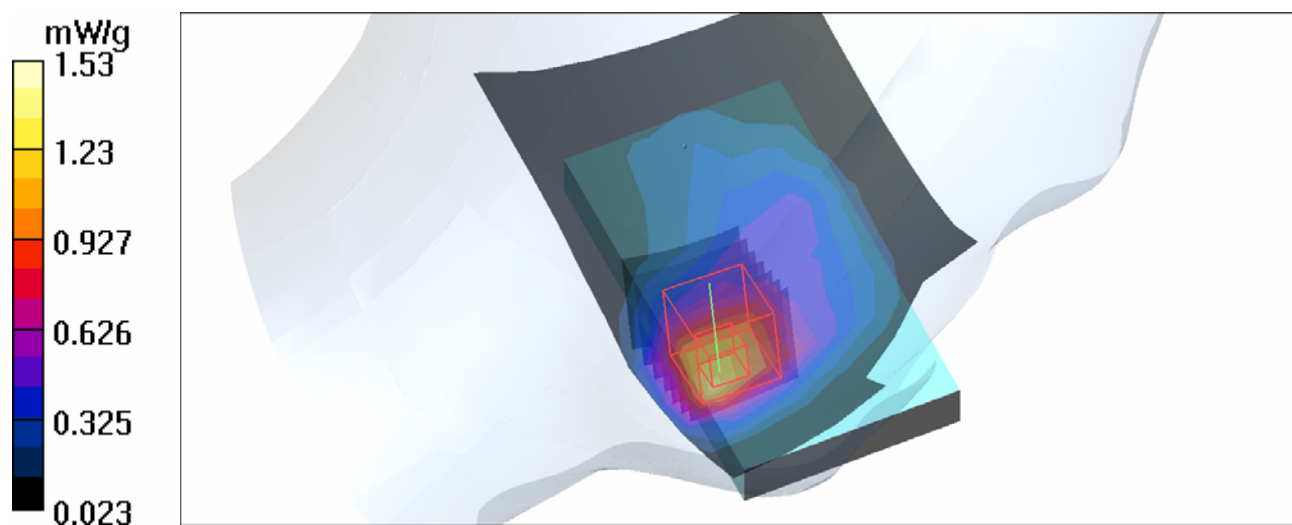
Touch Position - Mid Channel 661/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.2 V/m; Power Drift = -0.031 dB

Peak SAR (extrapolated) = 1.92 W/kg

SAR(1 g) = 1.12 mW/g; SAR(10 g) = 0.615 mW/g

Maximum value of SAR (measured) = 1.53 mW/g



Date/Time: 2010/8/17 03:42:36

Test Laboratory: Bureau Veritas ADT

M15-Left Head-Cheek-PCS1900-Ch810_SIM 1

DUT: GSM/EGPRS Mobile Phone ; Type: EX115

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

Medium: HSL1900 Medium parameters used : $f = 1909.8$ MHz; $\sigma = 1.45$ mho/m; $\epsilon_r = 40.6$; $\rho = 1000$ kg/m³

Phantom section: Left Section ; DUT test position : Cheek ; Modulation type: GMSK

DASY4 Configuration:

- Probe: EX3DV4 - SN3590 ; ConvF(8.33, 8.33, 8.33) ; Calibrated: 2010/3/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2010/1/22
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Touch Position - High Channel 810/Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.48 mW/g

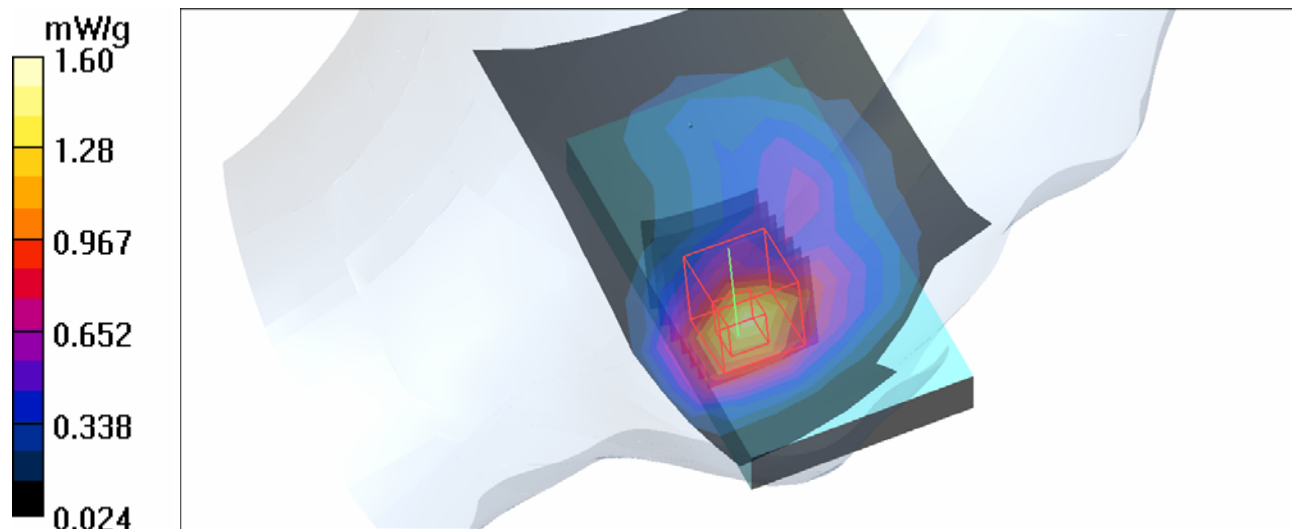
Touch Position - High Channel 810/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

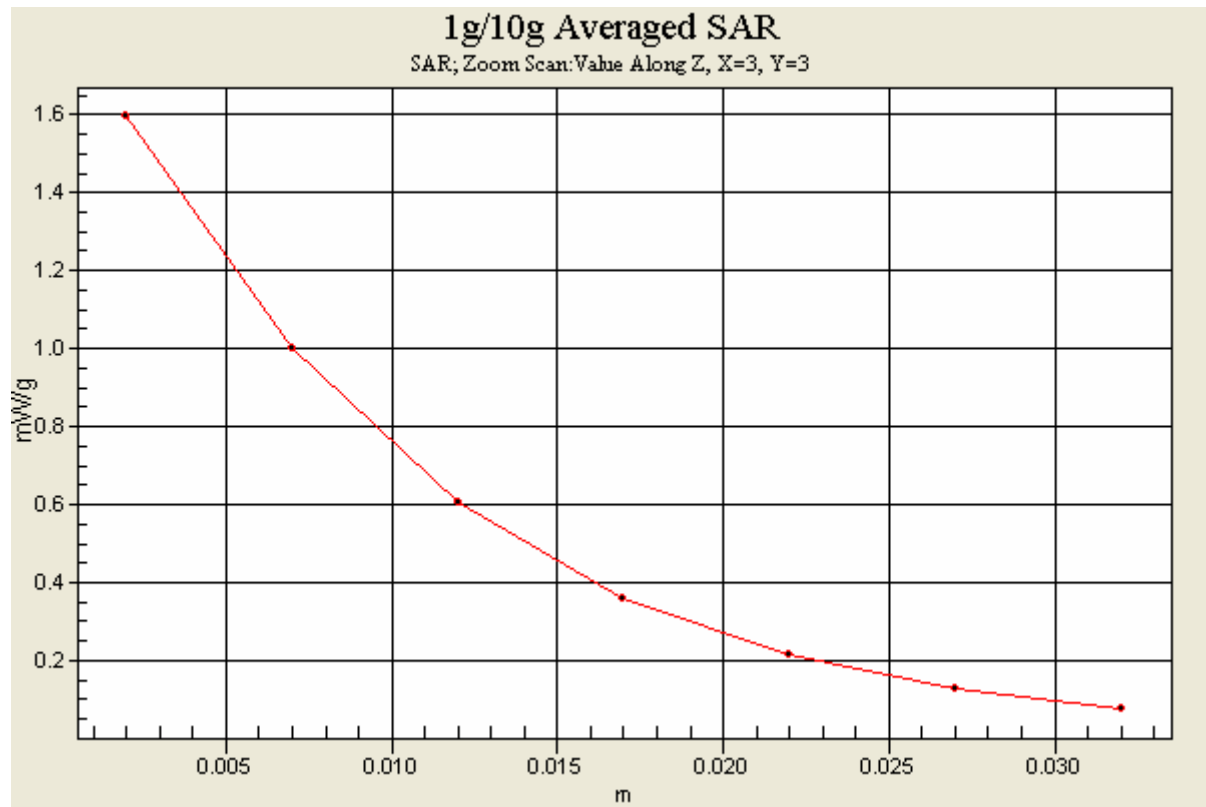
Reference Value = 14.3 V/m; Power Drift = -0.076 dB

Peak SAR (extrapolated) = 1.92 W/kg

SAR(1 g) = 1.19 mW/g; SAR(10 g) = 0.684 mW/g

Maximum value of SAR (measured) = 1.60 mW/g





Date/Time: 2010/8/17 04:09:23

Test Laboratory: Bureau Veritas ADT

M16-Left Head-Tilt-PCS1900-Ch661_SIM 1

DUT: GSM/EGPRS Mobile Phone ; Type: EX115

Communication System: PCS 1900 ; Frequency: 1880 MHz ; Duty Cycle: 1:8.3

Medium: HSL1900 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.42$ mho/m; $\epsilon_r = 40.7$; $\rho = 1000$ kg/m³

Phantom section: Left Section ; DUT test position : Tilt ; Modulation type: GMSK

DASY4 Configuration:

- Probe: EX3DV4 - SN3590 ; ConvF(8.33, 8.33, 8.33) ; Calibrated: 2010/3/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2010/1/22
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Tilt Position - Mid Channel 661/Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.486 mW/g

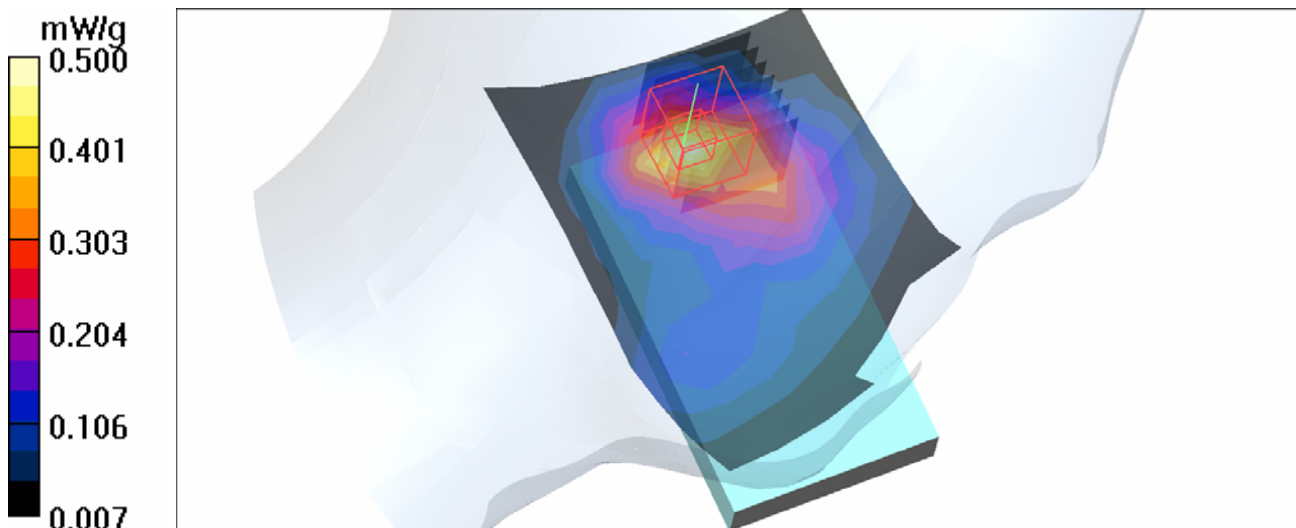
Tilt Position - Mid Channel 661/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 19.1 V/m; Power Drift = -0.184 dB

Peak SAR (extrapolated) = 0.606 W/kg

SAR(1 g) = 0.377 mW/g; SAR(10 g) = 0.222 mW/g

Maximum value of SAR (measured) = 0.500 mW/g



Date/Time: 2010/8/17 04:38:49

Test Laboratory: Bureau Veritas ADT

M17-Left Head-Cheek-PCS1900-Ch512_SIM 2

DUT: GSM/EGPRS Mobile Phone ; Type: EX115

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

Medium: HSL1900 Medium parameters used: $f = 1850.2$ MHz; $\sigma = 1.39$ mho/m; $\epsilon_r = 40.8$; $\rho = 1000$ kg/m³

Phantom section: Left Section ; DUT test position : Cheek ; Modulation type: GMSK

DASY4 Configuration:

- Probe: EX3DV4 - SN3590 ; ConvF(8.33, 8.33, 8.33) ; Calibrated: 2010/3/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2010/1/22
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Touch Position - Low Channel 512/Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.08 mW/g

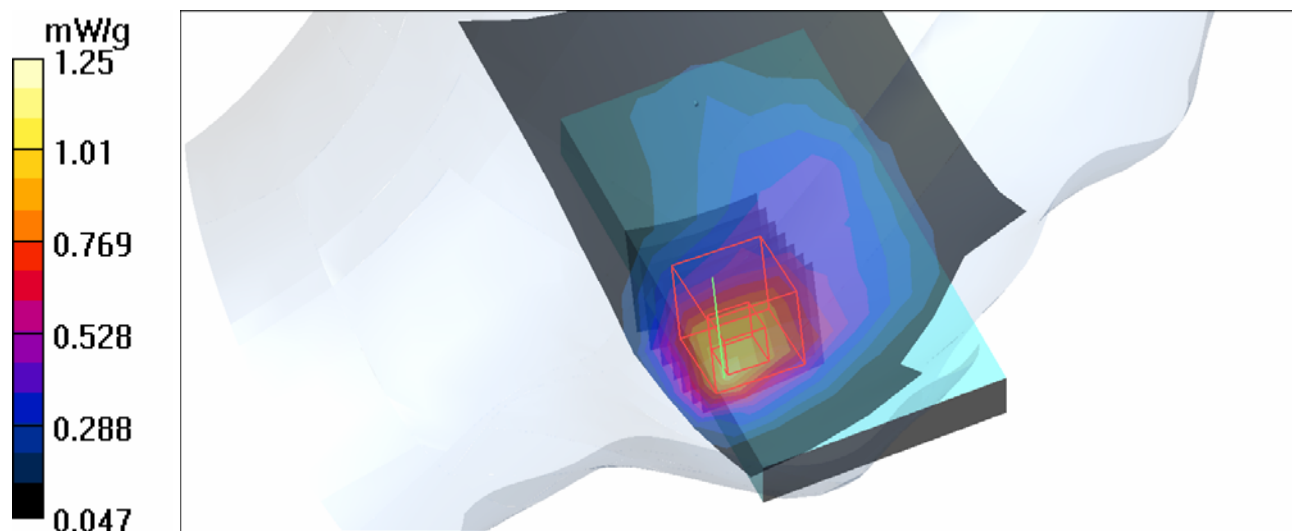
Touch Position - Low Channel 512/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.1 V/m; Power Drift = -0.056 dB

Peak SAR (extrapolated) = 1.57 W/kg

SAR(1 g) = 0.915 mW/g; SAR(10 g) = 0.520 mW/g

Maximum value of SAR (measured) = 1.25 mW/g



Date/Time: 2010/8/17 05:03:59

Test Laboratory: Bureau Veritas ADT

M17-Left Head-Cheek-PCS1900-Ch661_SIM 2

DUT: GSM/EGPRS Mobile Phone ; Type: EX115

Communication System: PCS 1900 ; Frequency: 1880 MHz ; Duty Cycle: 1:8.3

Medium: HSL1900 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.42$ mho/m; $\epsilon_r = 40.7$; $\rho = 1000$ kg/m³

Phantom section: Left Section ; DUT test position : Cheek ; Modulation type: GMSK

DASY4 Configuration:

- Probe: EX3DV4 - SN3590 ; ConvF(8.33, 8.33, 8.33) ; Calibrated: 2010/3/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2010/1/22
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Touch Position - Mid Channel 661/Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.22 mW/g

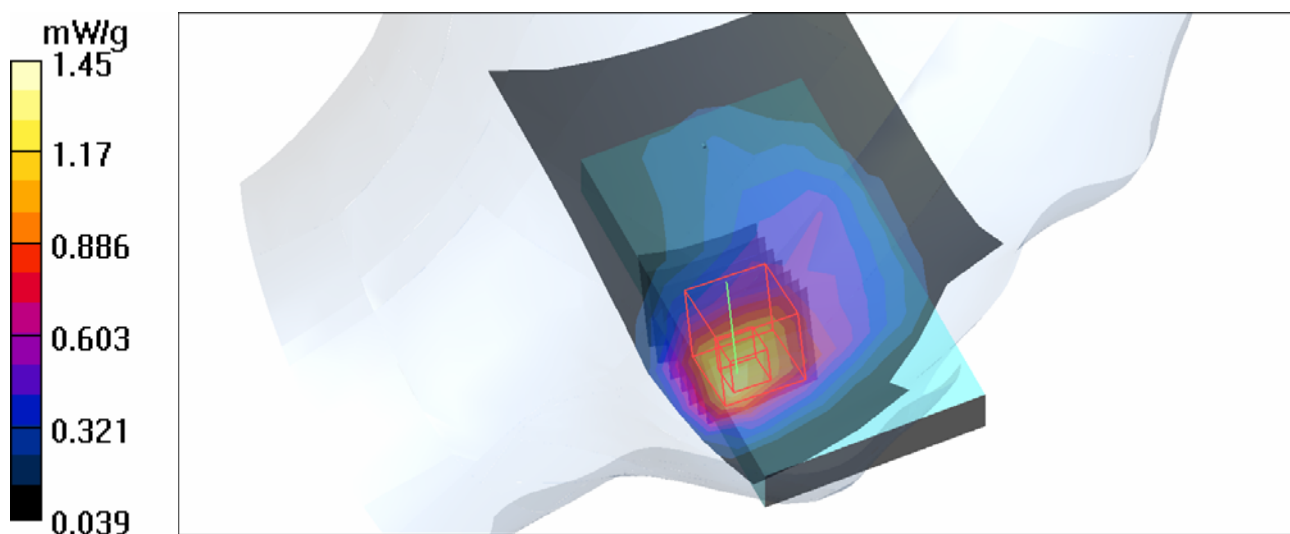
Touch Position - Mid Channel 661/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.8 V/m; Power Drift = -0.074 dB

Peak SAR (extrapolated) = 1.82 W/kg

SAR(1 g) = 1.06 mW/g; SAR(10 g) = 0.582 mW/g

Maximum value of SAR (measured) = 1.45 mW/g



Date/Time: 2010/8/17 05:28:35

Test Laboratory: Bureau Veritas ADT

M17-Left Head-Cheek-PCS1900-Ch810_SIM 2

DUT: GSM/EGPRS Mobile Phone ; Type: EX115

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

Medium: HSL1900 Medium parameters used : $f = 1909.8$ MHz; $\sigma = 1.45$ mho/m; $\epsilon_r = 40.6$; $\rho = 1000$ kg/m³

Phantom section: Left Section ; DUT test position : Cheek ; Modulation type: GMSK

DASY4 Configuration:

- Probe: EX3DV4 - SN3590 ; ConvF(8.33, 8.33, 8.33) ; Calibrated: 2010/3/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2010/1/22
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Touch Position - High Channel 810/Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.32 mW/g

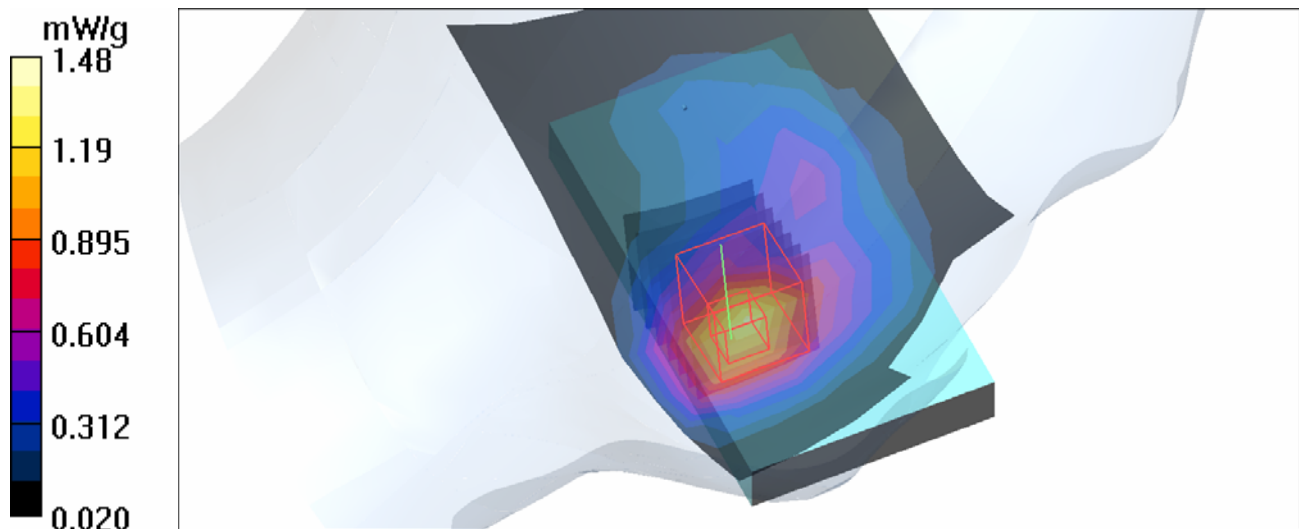
Touch Position - High Channel 810/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.2 V/m; Power Drift = -0.044 dB

Peak SAR (extrapolated) = 1.82 W/kg

SAR(1 g) = 1.11 mW/g; SAR(10 g) = 0.633 mW/g

Maximum value of SAR (measured) = 1.48 mW/g



Date/Time: 2010/8/17 10:59:19

Test Laboratory: Bureau Veritas ADT

M18-Body-PCS1900-Ch661_SIM 1

DUT: GSM/EGPRS Mobile Phone ; Type: EX115

Communication System: PCS 1900 ; Frequency: 1880 MHz ; Duty Cycle: 1:8.3

Medium: MSL1900 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.54$ mho/m; $\epsilon_r = 54.6$; $\rho = 1000$ kg/m³

Phantom section: Flat Section ; DUT test position : Body ; Modulation Type: GMSK

Separation Distance : 15 mm (The bottom side of the EUT with headset to the Phantom)

DASY4 Configuration:

- Probe: EX3DV4 - SN3590 ; ConvF(8.61, 8.61, 8.61) ; Calibrated: 2010/3/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861 ; Calibrated: 2010/1/22
- Phantom: SAM 12 ; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 80 ; Postprocessing SW: SEMCAD, V1.8 Build 186

Mid Channel 661/Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.421 mW/g

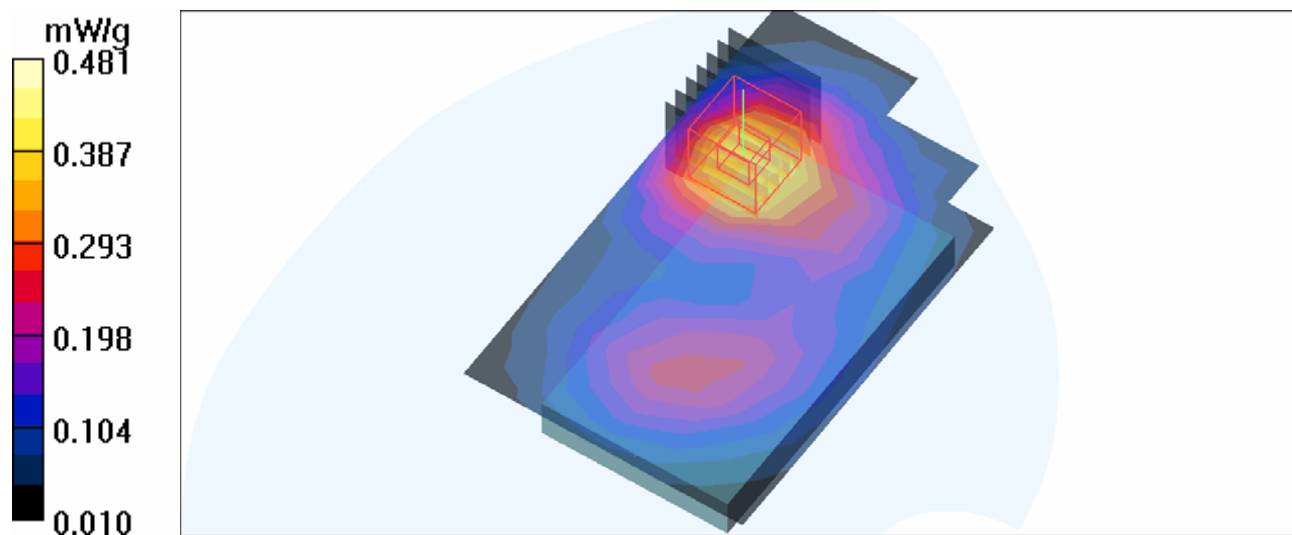
Mid Channel 661/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.6 V/m; Power Drift = 0.033 dB

Peak SAR (extrapolated) = 0.607 W/kg

SAR(1 g) = 0.353 mW/g; SAR(10 g) = 0.205 mW/g

Maximum value of SAR (measured) = 0.481 mW/g



Date/Time: 2010/8/17 11:29:21

Test Laboratory: Bureau Veritas ADT

M19-Body-GPRS1900 TS1-Ch661_SIM 1

DUT: GSM/EGPRS Mobile Phone ; Type: EX115

Communication System: GPRS 1900 ; Frequency: 1880 MHz ; Duty Cycle: 1:8.3

Medium: MSL1900 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.54$ mho/m; $\epsilon_r = 54.6$; $\rho = 1000$ kg/m³

Phantom section: Flat Section ; DUT test position : Body ; Modulation Type: GMSK / UL 1 time slot

Separation Distance : 15 mm (The bottom side of the EUT with headset to the Phantom)

DASY4 Configuration:

- Probe: EX3DV4 - SN3590 ; ConvF(8.61, 8.61, 8.61) ; Calibrated: 2010/3/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861 ; Calibrated: 2010/1/22
- Phantom: SAM 12 ; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 80 ; Postprocessing SW: SEMCAD, V1.8 Build 186

Mid Channel 661/Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.406 mW/g

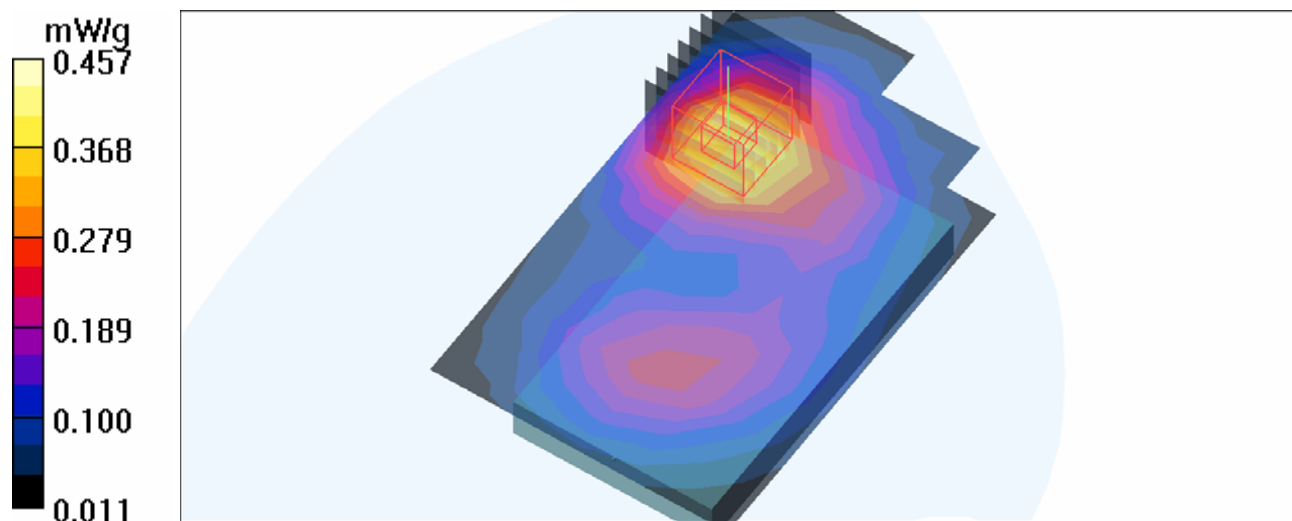
Mid Channel 661/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.3 V/m; Power Drift = 0.050 dB

Peak SAR (extrapolated) = 0.575 W/kg

SAR(1 g) = 0.338 mW/g; SAR(10 g) = 0.196 mW/g

Maximum value of SAR (measured) = 0.457 mW/g



Date/Time: 2010/8/17 11:55:56

Test Laboratory: Bureau Veritas ADT

M20-Body-GPRS1900 TS2-Ch661_SIM 1

DUT: GSM/EGPRS Mobile Phone ; Type: EX115

Communication System: GPRS 1900 ; Frequency: 1880 MHz ; Duty Cycle: 1:4

Medium: MSL1900 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.54$ mho/m; $\epsilon_r = 54.6$; $\rho = 1000$ kg/m³

Phantom section: Flat Section ; DUT test position : Body ; Modulation Type: GMSK / UL 2 time slots

Separation Distance : 15 mm (The bottom side of the EUT with headset to the Phantom)

DASY4 Configuration:

- Probe: EX3DV4 - SN3590 ; ConvF(8.61, 8.61, 8.61) ; Calibrated: 2010/3/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861 ; Calibrated: 2010/1/22
- Phantom: SAM 12 ; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 80 ; Postprocessing SW: SEMCAD, V1.8 Build 186

Mid Channel 661/Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.692 mW/g

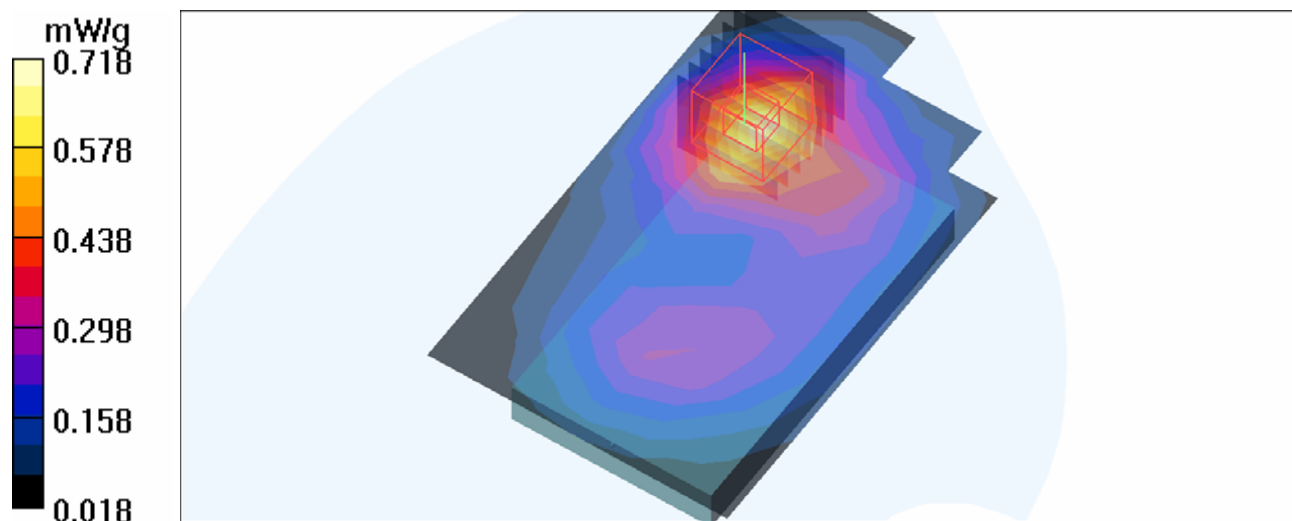
Mid Channel 661/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.2 V/m; Power Drift = -0.010 dB

Peak SAR (extrapolated) = 0.922 W/kg

SAR(1 g) = 0.522 mW/g; SAR(10 g) = 0.293 mW/g

Maximum value of SAR (measured) = 0.718 mW/g



Date/Time: 2010/8/17 12:32:32

Test Laboratory: Bureau Veritas ADT

M21-Body-PCS1900-Ch661_SIM 1 / LCD Up

DUT: GSM/EGPRS Mobile Phone ; Type: EX115

Communication System: PCS 1900 ; Frequency: 1880 MHz ; Duty Cycle: 1:8.3

Medium: MSL1900 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.54$ mho/m; $\epsilon_r = 54.6$; $\rho = 1000$ kg/m³

Phantom section: Flat Section ; DUT test position : Body ; Modulation Type: GMSK

Separation Distance : 15 mm (The front side of the EUT with headset to the Phantom)

DASY4 Configuration:

- Probe: EX3DV4 - SN3590 ; ConvF(8.61, 8.61, 8.61) ; Calibrated: 2010/3/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861 ; Calibrated: 2010/1/22
- Phantom: SAM 12 ; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 80 ; Postprocessing SW: SEMCAD, V1.8 Build 186

Mid Channel 661/Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.318 mW/g

Mid Channel 661/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.94 V/m; Power Drift = 0.021 dB

Peak SAR (extrapolated) = 0.421 W/kg

SAR(1 g) = 0.253 mW/g; SAR(10 g) = 0.154 mW/g

Maximum value of SAR (measured) = 0.339 mW/g

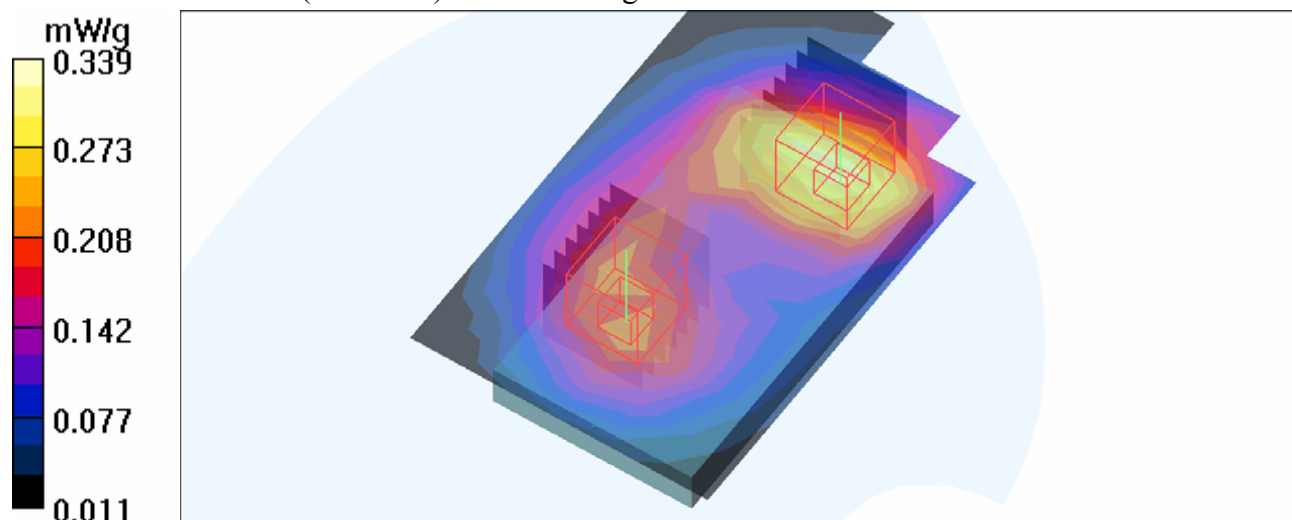
Mid Channel 661/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.94 V/m; Power Drift = 0.021 dB

Peak SAR (extrapolated) = 0.278 W/kg

SAR(1 g) = 0.180 mW/g; SAR(10 g) = 0.116 mW/g

Maximum value of SAR (measured) = 0.230 mW/g



Date/Time: 2010/8/17 13:07:13

Test Laboratory: Bureau Veritas ADT

M22-Body-GPRS1900 TS1-Ch661_SIM 1 / LCD Up

DUT: GSM/EGPRS Mobile Phone ; Type: EX115

Communication System: GPRS 1900 ; Frequency: 1880 MHz ; Duty Cycle: 1:8.3

Medium: MSL1900 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.54$ mho/m; $\epsilon_r = 54.6$; $\rho = 1000$ kg/m³

Phantom section: Flat Section ; DUT test position : Body ; Modulation Type: GMSK / UL 1 time slot

Separation Distance : 15 mm (The front side of the EUT with headset to the Phantom)

DASY4 Configuration:

- Probe: EX3DV4 - SN3590 ; ConvF(8.61, 8.61, 8.61) ; Calibrated: 2010/3/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861 ; Calibrated: 2010/1/22
- Phantom: SAM 12 ; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 80 ; Postprocessing SW: SEMCAD, V1.8 Build 186

Mid Channel 661 /Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.299 mW/g

Mid Channel 661 /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.76 V/m; Power Drift = 0.001 dB

Peak SAR (extrapolated) = 0.393 W/kg

SAR(1 g) = 0.237 mW/g; SAR(10 g) = 0.143 mW/g

Maximum value of SAR (measured) = 0.315 mW/g

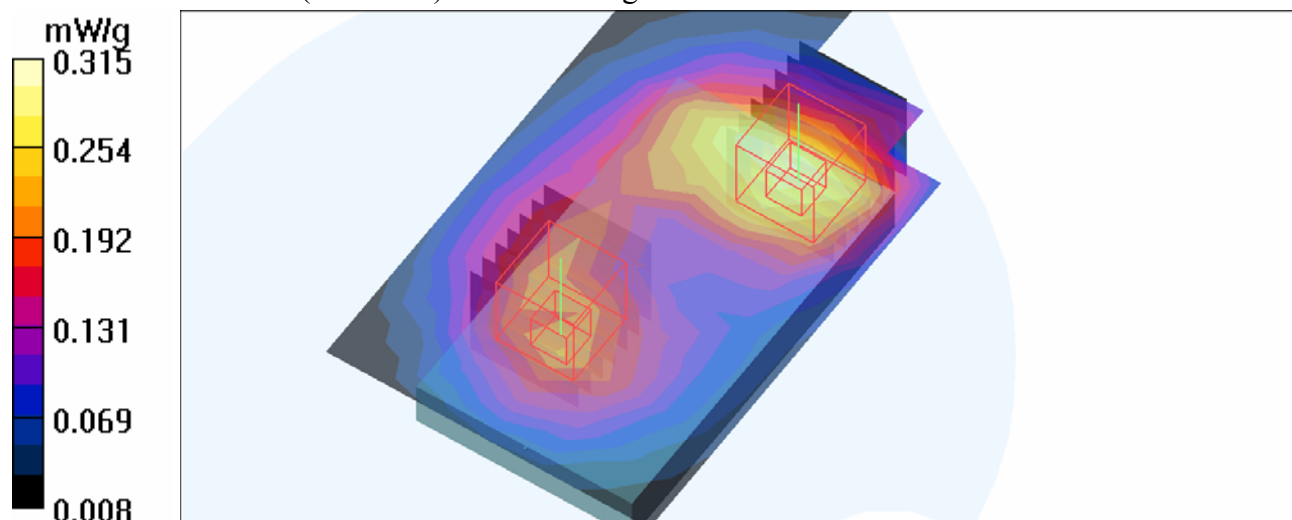
Mid Channel 661/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.76 V/m; Power Drift = 0.001 dB

Peak SAR (extrapolated) = 0.268 W/kg

SAR(1 g) = 0.173 mW/g; SAR(10 g) = 0.111 mW/g

Maximum value of SAR (measured) = 0.224 mW/g



Date/Time: 2010/8/17 13:50:38

Test Laboratory: Bureau Veritas ADT

M23-Body-GPRS1900 TS2-Ch661_SIM 1 / LCD Up

DUT: GSM/EGPRS Mobile Phone ; Type: EX115

Communication System: GPRS 1900 ; Frequency: 1880 MHz ; Duty Cycle: 1:4

Medium: MSL1900 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.54$ mho/m; $\epsilon_r = 54.6$; $\rho = 1000$ kg/m³

Phantom section: Flat Section ; DUT test position : Body ; Modulation Type: GMSK / UL 2 time slots

Separation Distance : 15 mm (The front side of the EUT with headset to the Phantom)

DASY4 Configuration:

- Probe: EX3DV4 - SN3590 ; ConvF(8.61, 8.61, 8.61) ; Calibrated: 2010/3/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861 ; Calibrated: 2010/1/22
- Phantom: SAM 12 ; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 80 ; Postprocessing SW: SEMCAD, V1.8 Build 186

Mid Channel 661/Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.472 mW/g

Mid Channel 661/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.1 V/m; Power Drift = 0.002 dB

Peak SAR (extrapolated) = 0.659 W/kg

SAR(1 g) = 0.386 mW/g; SAR(10 g) = 0.228 mW/g

Maximum value of SAR (measured) = 0.527 mW/g

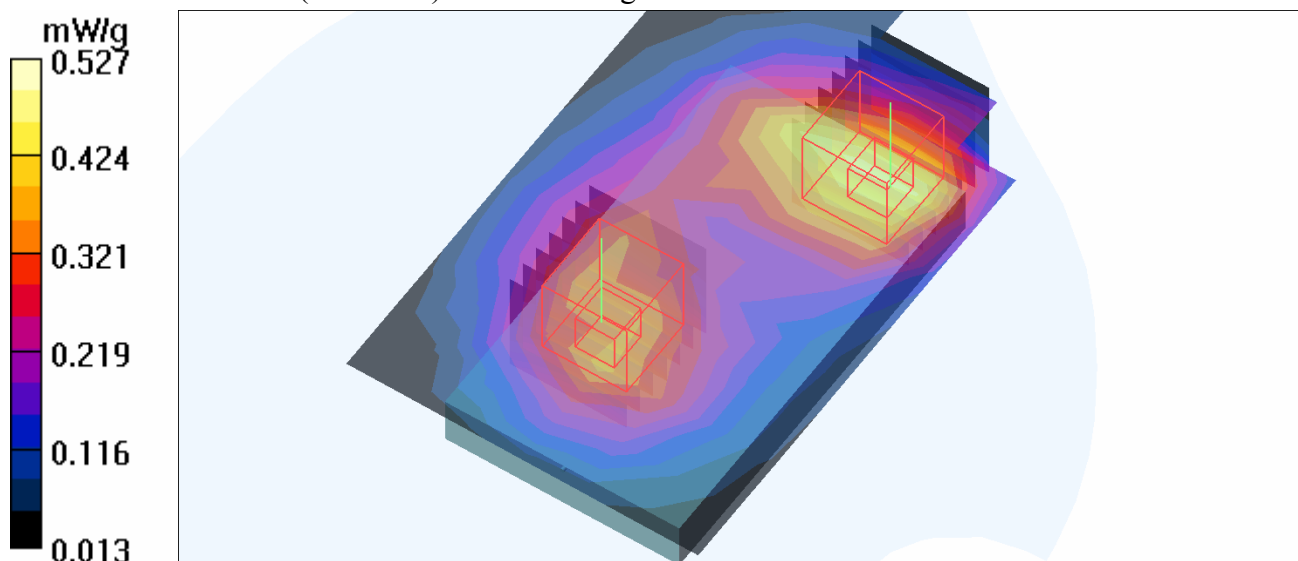
Mid Channel 661/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.1 V/m; Power Drift = 0.002 dB

Peak SAR (extrapolated) = 0.462 W/kg

SAR(1 g) = 0.298 mW/g; SAR(10 g) = 0.190 mW/g

Maximum value of SAR (measured) = 0.382 mW/g



Date/Time: 2010/8/17 14:16:56

Test Laboratory: Bureau Veritas ADT

M24-Body-GPRS1900 TS2-Ch661_SIM 2

DUT: GSM/EGPRS Mobile Phone ; Type: EX115

Communication System: GPRS 1900 ; Frequency: 1880 MHz ; Duty Cycle: 1:4

Medium: MSL1900 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.54$ mho/m; $\epsilon_r = 54.6$; $\rho = 1000$ kg/m³

Phantom section: Flat Section ; DUT test position : Body ; Modulation Type: GMSK / UL 2 time slots

Separation Distance : 15 mm (The bottom side of the EUT with headset to the Phantom)

DASY4 Configuration:

- Probe: EX3DV4 - SN3590 ; ConvF(8.61, 8.61, 8.61) ; Calibrated: 2010/3/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861 ; Calibrated: 2010/1/22
- Phantom: SAM 12 ; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 80 ; Postprocessing SW: SEMCAD, V1.8 Build 186

Mid Channel 661/Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.667 mW/g

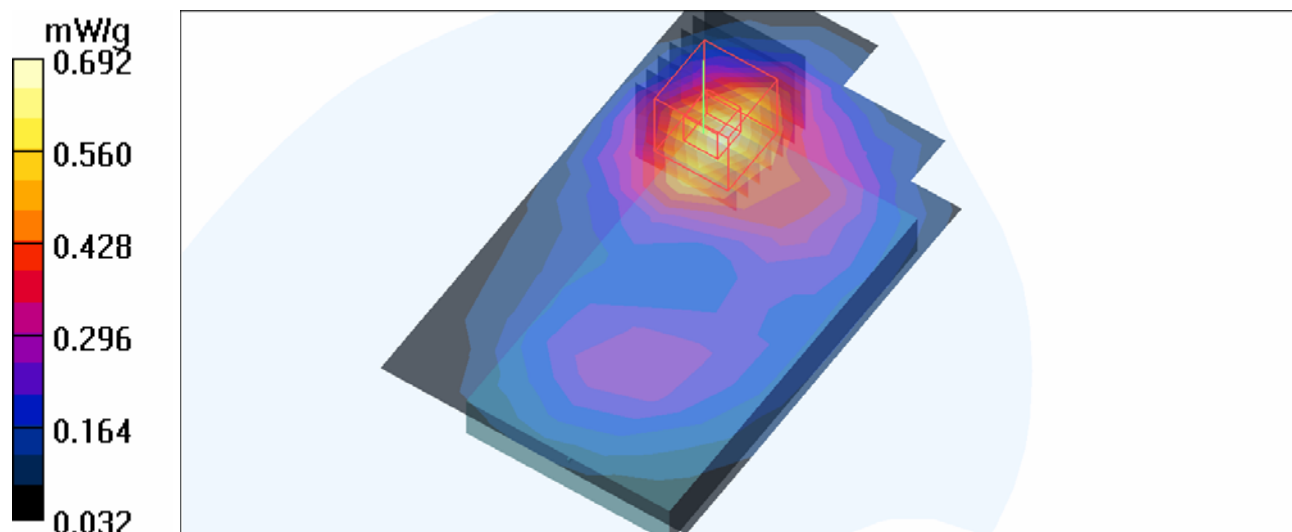
Mid Channel 661/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.0 V/m; Power Drift = -0.082 dB

Peak SAR (extrapolated) = 0.888 W/kg

SAR(1 g) = 0.503 mW/g; SAR(10 g) = 0.282 mW/g

Maximum value of SAR (measured) = 0.692 mW/g



Date/Time: 2010/8/16 03:40:29

Test Laboratory: Bureau Veritas ADT

M25-Left Head-Cheek-GSM850-Ch190 / EX112

DUT: GSM/EGPRS Mobile Phone ; Type: EX112

Communication System: GSM 850 ; Frequency: 836.6 MHz ; Duty Cycle: 1:8.3

Medium: HSL835 Medium parameters used: $f = 836.6$ MHz; $\sigma = 0.92$ mho/m; $\epsilon_r = 42.2$; $\rho = 1000$ kg/m³

Phantom section: Left Section ; DUT test position : Cheek ; Modulation type: GMSK

DASY4 Configuration:

- Probe: EX3DV4 - SN3590 ; ConvF(10.25, 10.25, 10.25) ; Calibrated: 2010/3/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2010/1/22
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Touch Position - Mid Channel 190/Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.819 mW/g

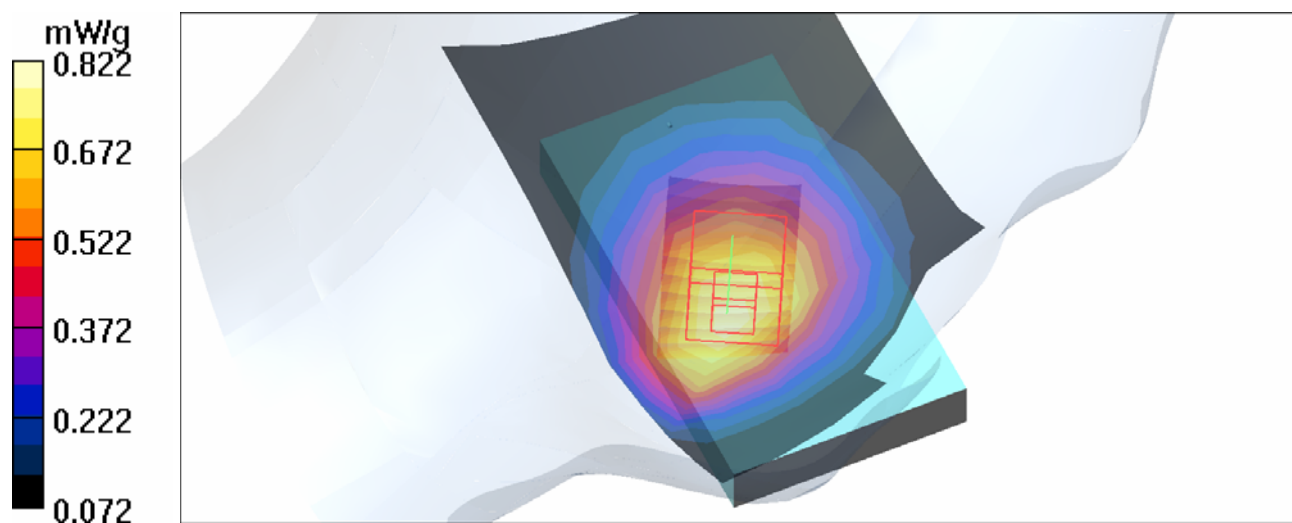
Touch Position - Mid Channel 190/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.9 V/m; Power Drift = -0.042 dB

Peak SAR (extrapolated) = 0.961 W/kg

SAR(1 g) = 0.694 mW/g; SAR(10 g) = 0.506 mW/g

Maximum value of SAR (measured) = 0.822 mW/g



Date/Time: 2010/8/16 13:35:01

Test Laboratory: Bureau Veritas ADT

M26-Body-GPRS850 TS2-Ch190 / EX112

DUT: GSM/EGPRS Mobile Phone ; Type: EX112

Communication System: GPRS 850 ; Frequency: 836.6 MHz ; Duty Cycle: 1:4

Medium: MSL835 Medium parameters used: $f = 836.6$ MHz; $\sigma = 0.98$ mho/m; $\epsilon_r = 55.5$; $\rho = 1000$ kg/m³

Phantom section: Flat Section ; DUT test position : Body ; Modulation Type: GMSK / UL 2 time slots

Separation Distance : 15 mm (The bottom side of the EUT with headset to the Phantom)

DASY4 Configuration:

- Probe: EX3DV4 - SN3590 ; ConvF(10.2, 10.2, 10.2) ; Calibrated: 2010/3/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861 ; Calibrated: 2010/1/22
- Phantom: SAM 12 ; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 80 ; Postprocessing SW: SEMCAD, V1.8 Build 186

Mid Channel 190/Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm

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

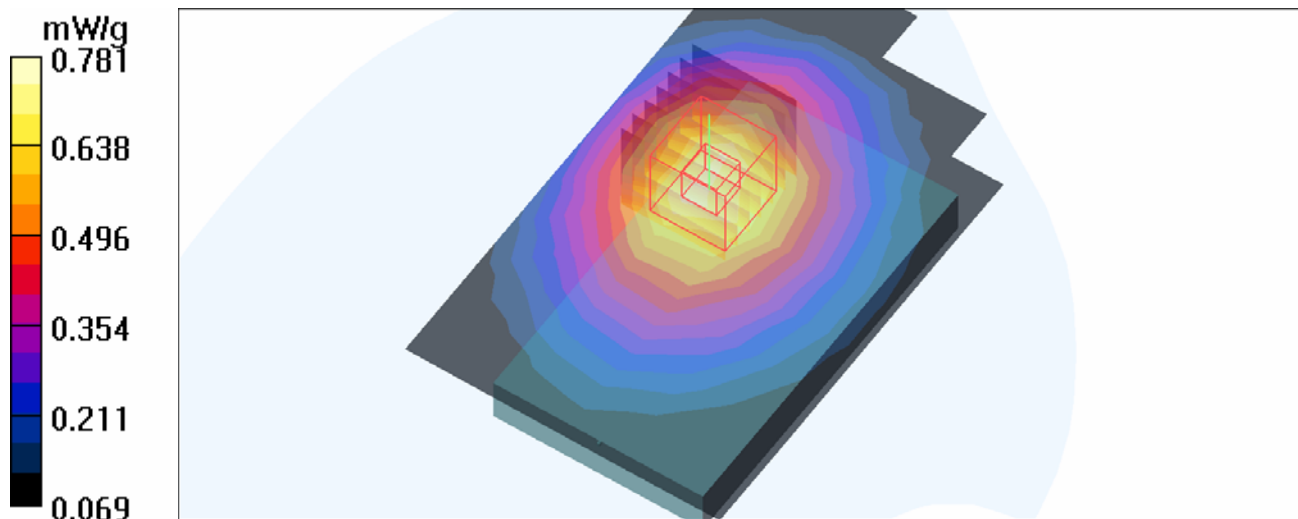
Mid Channel 190/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.4 V/m; Power Drift = 0.114 dB

Peak SAR (extrapolated) = 0.897 W/kg

SAR(1 g) = **0.650 mW/g**; SAR(10 g) = 0.460 mW/g

Maximum value of SAR (measured) = 0.781 mW/g



Date/Time: 2010/8/17 05:58:53

Test Laboratory: Bureau Veritas ADT

M27-Left Head-Cheek-PCS1900-Ch810 / EX112

DUT: GSM/EGPRS Mobile Phone ; Type: EX112

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

Medium: HSL1900 Medium parameters used: $f = 1909.8$ MHz; $\sigma = 1.45$ mho/m; $\epsilon_r = 40.6$; $\rho = 1000$ kg/m³

Phantom section: Left Section ; DUT test position : Cheek ; Modulation type: GMSK

DASY4 Configuration:

- Probe: EX3DV4 - SN3590 ; ConvF(8.33, 8.33, 8.33) ; Calibrated: 2010/3/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2010/1/22
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Touch Position - High Channel 810/Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.14 mW/g

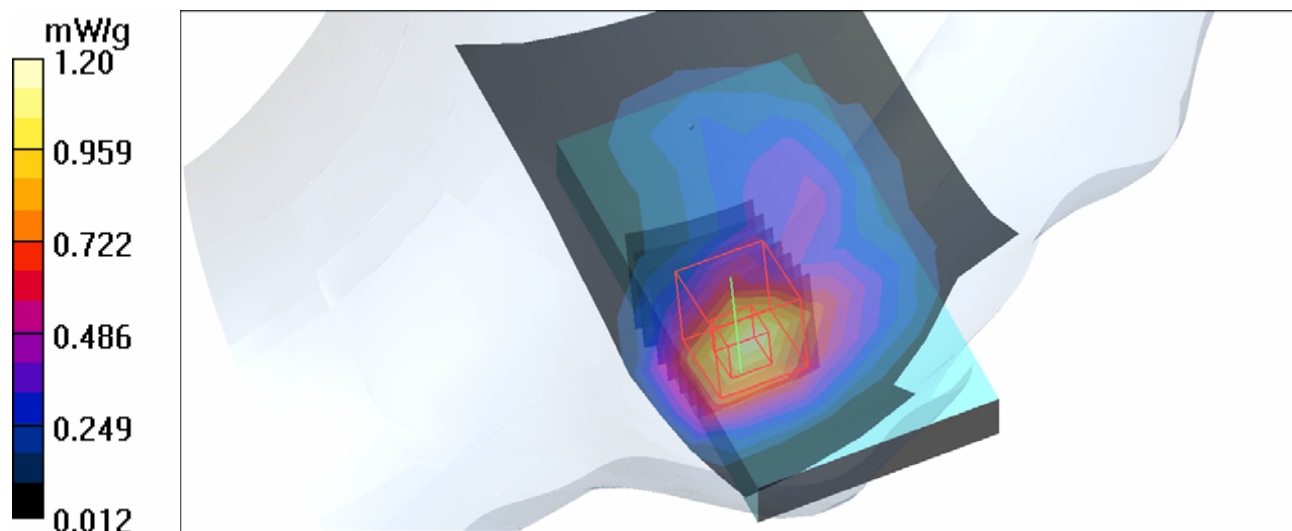
Touch Position - High Channel 810/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.6 V/m; Power Drift = -0.192 dB

Peak SAR (extrapolated) = 1.51 W/kg

SAR(1 g) = 0.911 mW/g; SAR(10 g) = 0.528 mW/g

Maximum value of SAR (measured) = 1.20 mW/g



Date/Time: 2010/8/17 14:48:21

Test Laboratory: Bureau Veritas ADT

M28-Body-GPRS1900 TS2-Ch661 / EX112

DUT: GSM/EGPRS Mobile Phone ; Type: EX112

Communication System: GPRS 1900 ; Frequency: 1880 MHz ; Duty Cycle: 1:4

Medium: MSL1900 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.54$ mho/m; $\epsilon_r = 54.6$; $\rho = 1000$ kg/m³

Phantom section: Flat Section ; DUT test position : Body ; Modulation Type: GMSK / UL 2 time slots

Separation Distance : 15 mm (The bottom side of the EUT with headset to the Phantom)

DASY4 Configuration:

- Probe: EX3DV4 - SN3590 ; ConvF(8.61, 8.61, 8.61) ; Calibrated: 2010/3/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861 ; Calibrated: 2010/1/22
- Phantom: SAM 12 ; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 80 ; Postprocessing SW: SEMCAD, V1.8 Build 186

Mid Channel 661/Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.595 mW/g

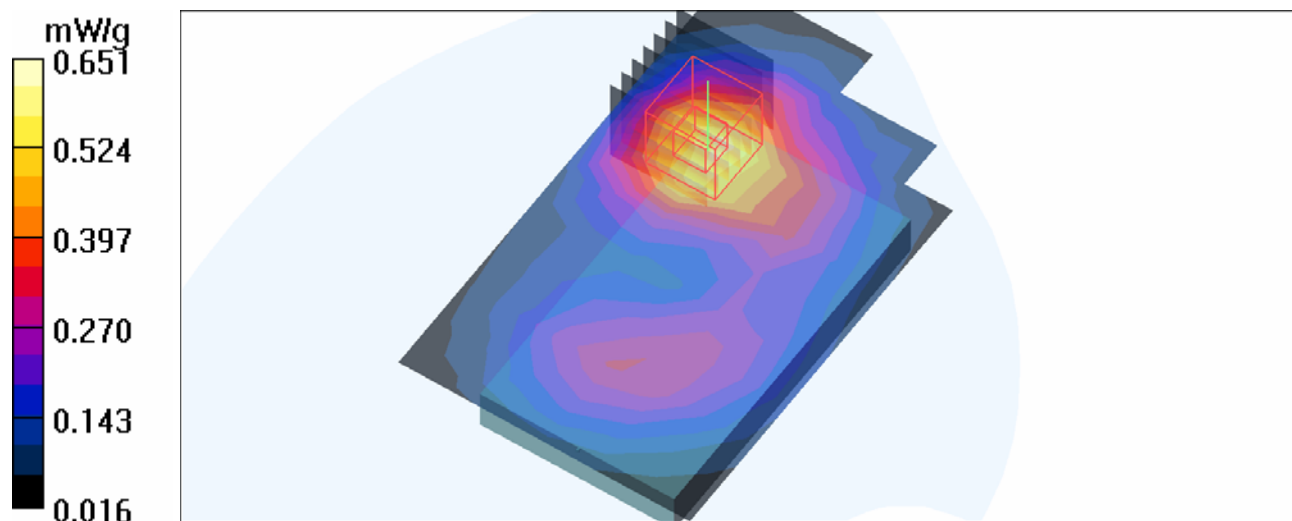
Mid Channel 661/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.3 V/m; Power Drift = -0.109 dB

Peak SAR (extrapolated) = 0.824 W/kg

SAR(1 g) = 0.481 mW/g; SAR(10 g) = 0.281 mW/g

Maximum value of SAR (measured) = 0.651 mW/g



Date/Time: 2010/8/16 00:47:11

Test Laboratory: Bureau Veritas ADT

System Validation Check-HSL 835MHz

DUT: Dipole 850 MHz ; Type: D835V2 ; Serial: 4d021 ; Test Frequency: 835 MHz

Communication System: CW ; Frequency: 835 MHz; Duty Cycle: 1:1; Modulation type: CW
 Medium: HSL835; Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.92 \text{ mho/m}$; $\epsilon_r = 42.2$; $\rho = 1000 \text{ kg/m}^3$;
 Liquid level : 150 mm
 Phantom section: Flat Section ; Separation distance : 15 mm (The feetpoint of the dipole to the Phantom)
 Air temp. : 23.2 degrees ; Liquid temp. : 22.3 degrees

DASY4 Configuration:

- Probe: EX3DV4 - SN3590 ; ConvF(10.25, 10.25, 10.25) ; Calibrated: 2010/3/25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2010/1/22
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

d=15mm, Pin=250mW/Area Scan (7x9x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 2.37 mW/g

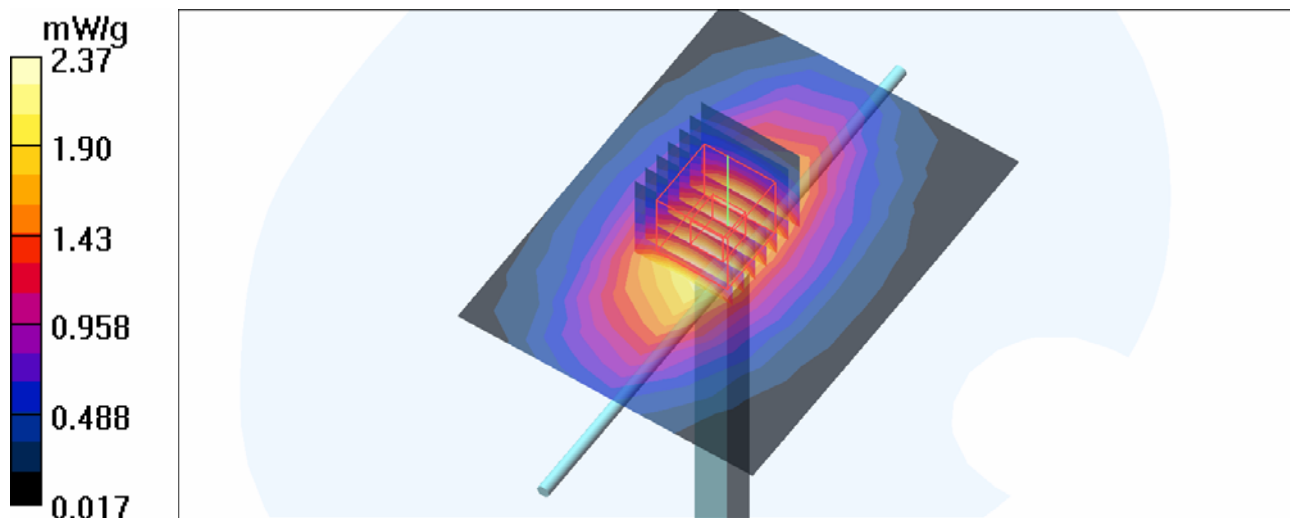
d=15mm, Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 56.1 V/m; Power Drift = -0.062 dB

Peak SAR (extrapolated) = 3.53 W/kg

SAR(1 g) = 2.31 mW/g; SAR(10 g) = 1.51 mW/g

Maximum value of SAR (measured) = 2.72 mW/g



Date/Time: 2010/8/16 09:24:43

Test Laboratory: Bureau Veritas ADT

System Validation Check-MSL 835MHz

DUT: Dipole 850 MHz ; Type: D835V2 ; Serial: 4d021 ; Test Frequency: 835 MHz

Communication System: CW ; Frequency: 835 MHz; Duty Cycle: 1:1; Modulation type: CW
 Medium: MSL835; Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.98 \text{ mho/m}$; $\epsilon_r = 55.5$; $\rho = 1000 \text{ kg/m}^3$;
 Liquid level : 150 mm
 Phantom section: Flat Section ; Separation distance : 15 mm (The feetpoint of the dipole to the Phantom)
 Air temp. : 23.1 degrees ; Liquid temp. : 22.0 degrees

DASY4 Configuration:

- Probe: EX3DV4 - SN3590 ; ConvF(10.2, 10.2, 10.2) ; Calibrated: 2010/3/25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2010/1/22
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

d=15mm, Pin=250mW/Area Scan (7x9x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 2.48 mW/g

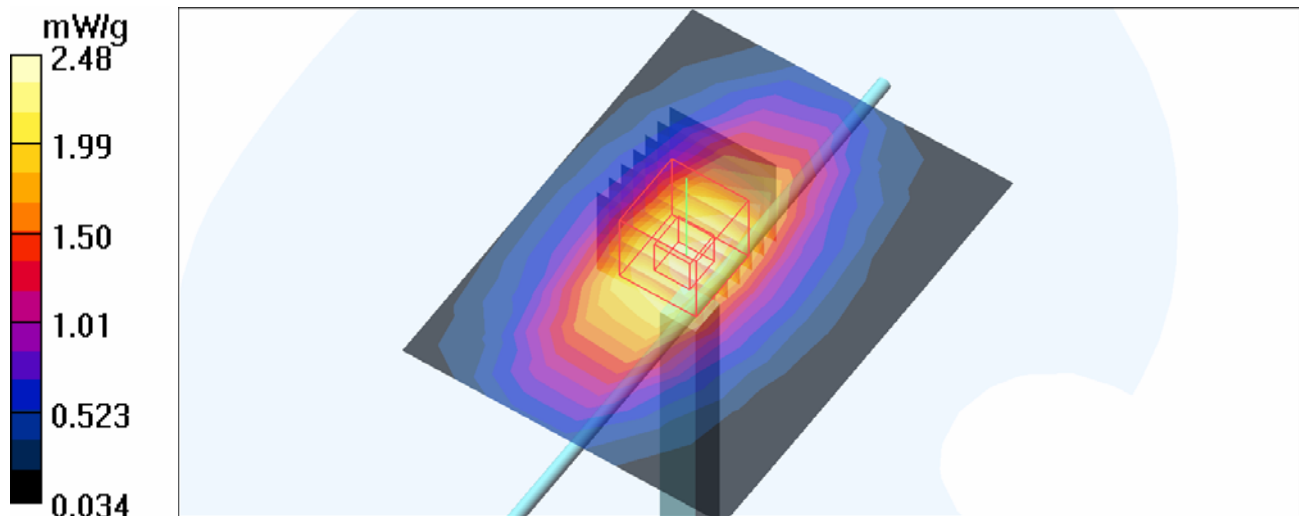
d=15mm, Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 54.2 V/m; Power Drift = -0.056 dB

Peak SAR (extrapolated) = 3.66 W/kg

SAR(1 g) = 2.44 mW/g; SAR(10 g) = 1.58 mW/g

Maximum value of SAR (measured) = 2.86 mW/g



Date/Time: 2010/8/17 01:22:08

Test Laboratory: Bureau Veritas ADT

System Validation Check-HSL 1900MHz

DUT: Dipole 1900 MHz ; Type: D1900V2 ; Serial: 5d036 ; Test Frequency: 1900 MHz

Communication System: CW ; Frequency: 1900 MHz; Duty Cycle: 1:1; Modulation type: CW
 Medium: HSL1900; Medium parameters used: $f = 1900 \text{ MHz}$; $\sigma = 1.44 \text{ mho/m}$; $\epsilon_r = 40.5$; $\rho = 1000 \text{ kg/m}^3$;
 Liquid level : 150 mm
 Phantom section: Flat Section ; Separation distance : 10 mm (The feetpoint of the dipole to the Phantom)
 Air temp. : 23.6 degrees ; Liquid temp. : 22.5 degrees

DASY4 Configuration:

- Probe: EX3DV4 - SN3590 ; ConvF(8.33, 8.33, 8.33) ; Calibrated: 2010/3/25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2010/1/22
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

d=10mm, Pin=250mW/Area Scan (7x7x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 12.4 mW/g

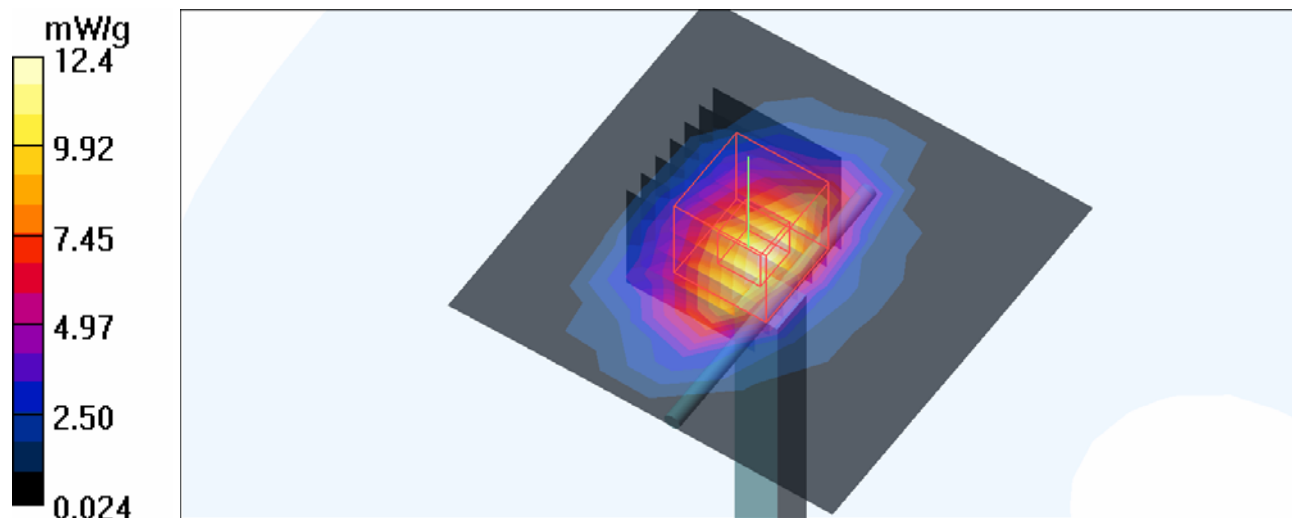
d=10mm, Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 96.6 V/m; Power Drift = -0.032 dB

Peak SAR (extrapolated) = 19.5 W/kg

SAR(1 g) = 9.92 mW/g; SAR(10 g) = 5.13 mW/g

Maximum value of SAR (measured) = 12.6 mW/g



Date/Time: 2010/8/17 09:53:21

Test Laboratory: Bureau Veritas ADT

System Validation Check-MSL 1900MHz

DUT: Dipole 1900 MHz ; Type: D1900V2 ; Serial: 5d036 ; Test Frequency: 1900 MHz

Communication System: CW ; Frequency: 1900 MHz; Duty Cycle: 1:1; Modulation type: CW
 Medium: MSL1900; Medium parameters used: $f = 1900$ MHz; $\sigma = 1.55$ mho/m; $\epsilon_r = 54.4$; $\rho = 1000$ kg/m³ ; Liquid level : 150 mm
 Phantom section: Flat Section ; Separation distance : 10 mm (The feetpoint of the dipole to the Phantom)
 Air temp. : 23.1 degrees ; Liquid temp. : 22.3 degrees

DASY4 Configuration:

- Probe: EX3DV4 - SN3590 ; ConvF(8.61, 8.61, 8.61) ; Calibrated: 2010/3/25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2010/1/22
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

d=10mm, Pin=250mW/Area Scan (7x7x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 11.7 mW/g

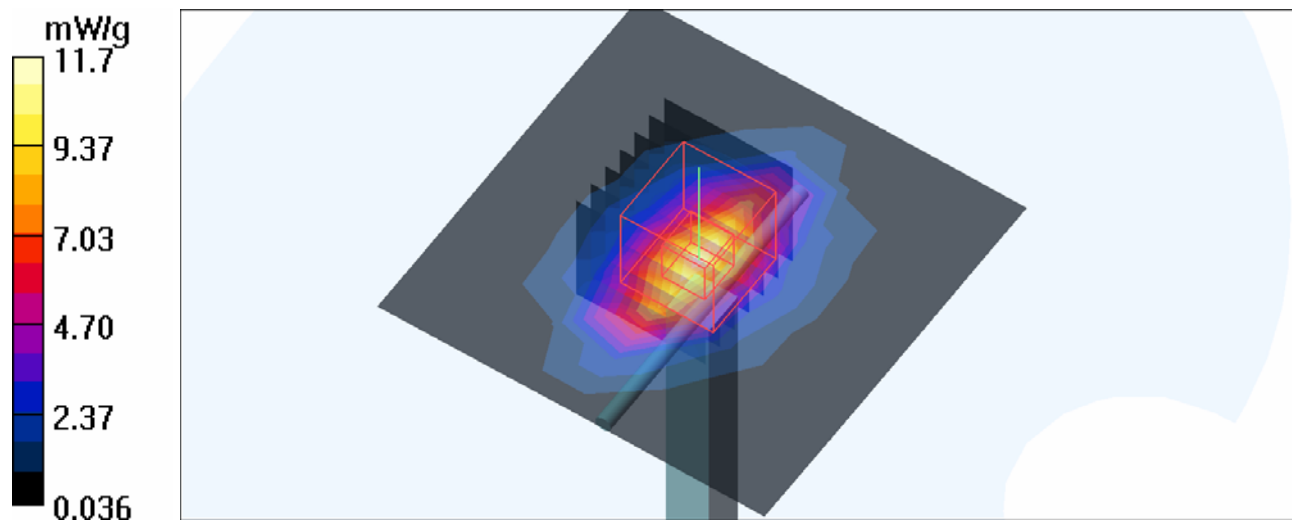
d=10mm, Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 94.8 V/m; Power Drift = -0.023 dB

Peak SAR (extrapolated) = 18.6 W/kg

SAR(1 g) = 9.83 mW/g; SAR(10 g) = 5.12 mW/g

Maximum value of SAR (measured) = 12.6 mW/g



APPENDIX B: BV ADT SAR MEASUREMENT SYSTEM



APPENDIX C: PHOTOGRAPHS OF SYSTEM VALIDATION

