APPENDIX B: SAR DISTRIBUTION PLOTS FOR HEAD CONFIGURATION

Date/Time: 16/02/2010 6:38:47 PM

Test Laboratory: RIM TESTING SERVICES
File Name: LeftHandSide_EDGE850_low_chan_Amb_Tem_22.8_Liq_Tem_20.8_C.da4

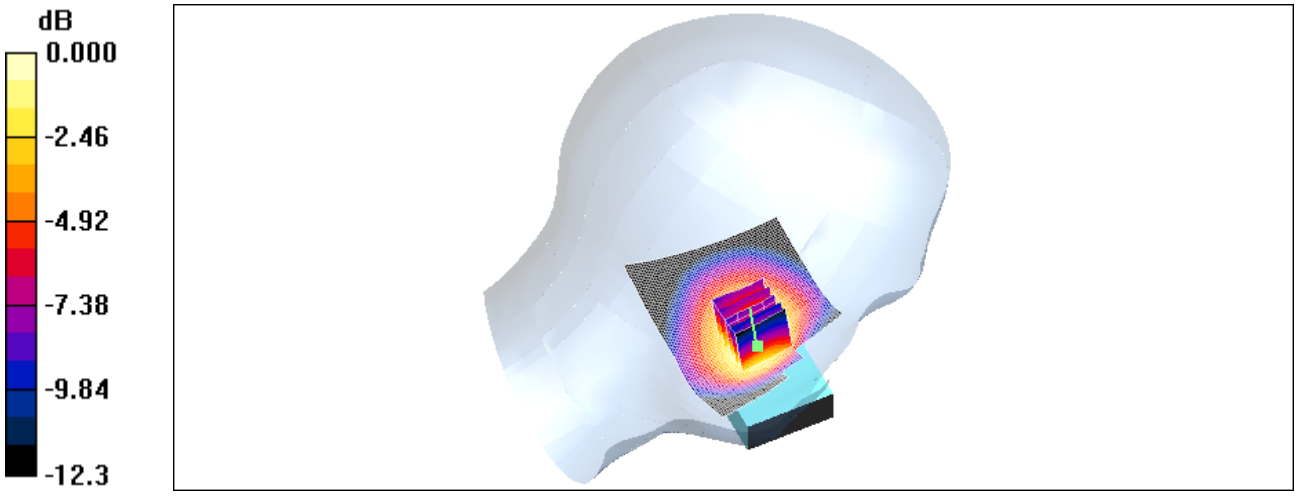
DUT: BlackBerry Smartphone; Type: Sample ; Serial: 21D09DED
Program Name: Compliance Testing: P1528 Protocol (Left-Hand Side)

Communication System: EDGE 850 (2slots); Frequency: 824.2 MHz;Duty Cycle: 1:4.2
Medium parameters used: f = 825 MHz; σ = 0.865 mho/m; ε_r = 40.8; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1644; ConvF(6.08, 6.08, 6.08); Calibrated: 11/11/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Touch position -/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.12 mW/g

Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 13.0 V/m; Power Drift = -0.194 dB
Peak SAR (extrapolated) = 1.49 W/kg
SAR(1 g) = 1.03 mW/g; SAR(10 g) = 0.688 mW/g
Maximum value of SAR (measured) = 1.09 mW/g



0 dB = 1.09mW/g

Date/Time: 16/02/2010 7:00:13 PM

Test Laboratory: RIM TESTING SERVICES
File Name: LeftHandSide_EDGE850_mid_chan_Amb_Tem_22.8_Liq_Tem_20.8_C.da4

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 21D09DED
Program Name: Compliance Testing: P1528 Protocol (Left-Hand Side)

Communication System: EDGE 850 (2slots); Frequency: 836.8 MHz;Duty Cycle: 1:4.2
Medium parameters used (interpolated): f = 836.8 MHz; σ = 0.875 mho/m; ε_r = 40.6; ρ = 1000 kg/m^3
Phantom section: Left Section

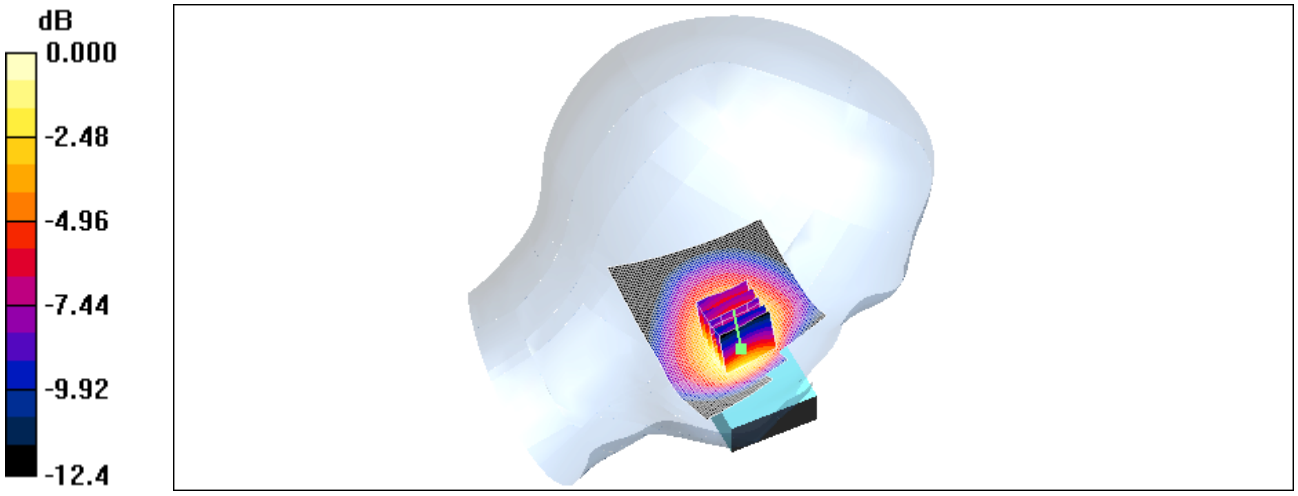
DASY4 Configuration:
- Probe: ET3DV6 - SN1644; ConvF(6.08, 6.08, 6.08); Calibrated: 11/11/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Touch position -/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 1.20 mW/g

Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 12.9 V/m; Power Drift = -0.027 dB
Peak SAR (extrapolated) = 1.59 W/kg
SAR(1 g) = 1.1 mW/g; SAR(10 g) = 0.739 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.17 mW/g



0 dB = 1.17mW/g

Date/Time: 16/02/2010 7:19:19 PM

Test Laboratory: RIM TESTING SERVICES
File Name:
LeftHandSide_EDGE850_high_chan_Amb_Tem_23.0_Liq_Tem_21.0_C.da4

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 21D09DED
Program Name: Compliance Testing: P1528 Protocol (Left-Hand Side)

Communication System: EDGE 850 (2slots); Frequency: 848.8 MHz;Duty Cycle: 1:4.2
Medium parameters used (interpolated): f = 848.8 MHz; σ = 0.885 mho/m; ε_r = 40.4; ρ = 1000 kg/m^3
Phantom section: Left Section

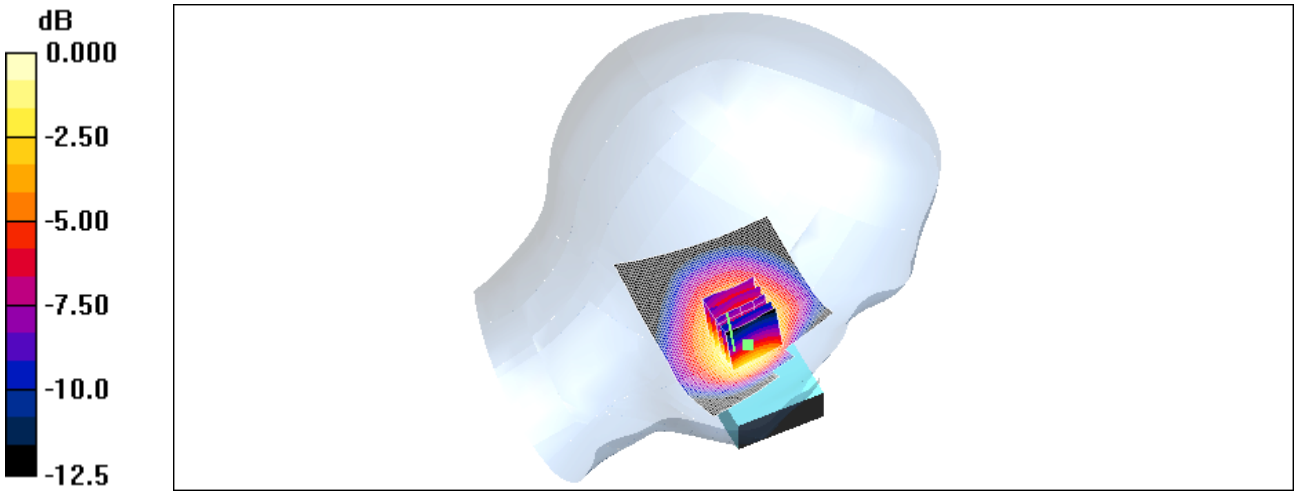
DASY4 Configuration:
- Probe: ET3DV6 - SN1644; ConvF(6.08, 6.08, 6.08); Calibrated: 11/11/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Touch position -/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 1.41 mW/g

Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 13.8 V/m; Power Drift = -0.076 dB
Peak SAR (extrapolated) = 1.95 W/kg
SAR(1 g) = 1.31 mW/g; SAR(10 g) = 0.874 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.40 mW/g



0 dB = 1.40mW/g

Date/Time: 16/02/2010 8:31:56 PM

Test Laboratory: RIM TESTING SERVICES
File Name:
RightHandSide_EDGE850_high_chan_Amb_Tem_23.0_Liq_Tem_21.0C.da4

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 21D09DED
Program Name: Compliance Testing: P1528 Protocol (Right-Hand Side)

Communication System: EDGE 850 (2slots); Frequency: 848.8 MHz;Duty Cycle: 1:4.2
Medium parameters used (interpolated): f = 848.8 MHz; σ = 0.885 mho/m; ε_r = 40.4; ρ = 1000 kg/m^3
Phantom section: Right Section

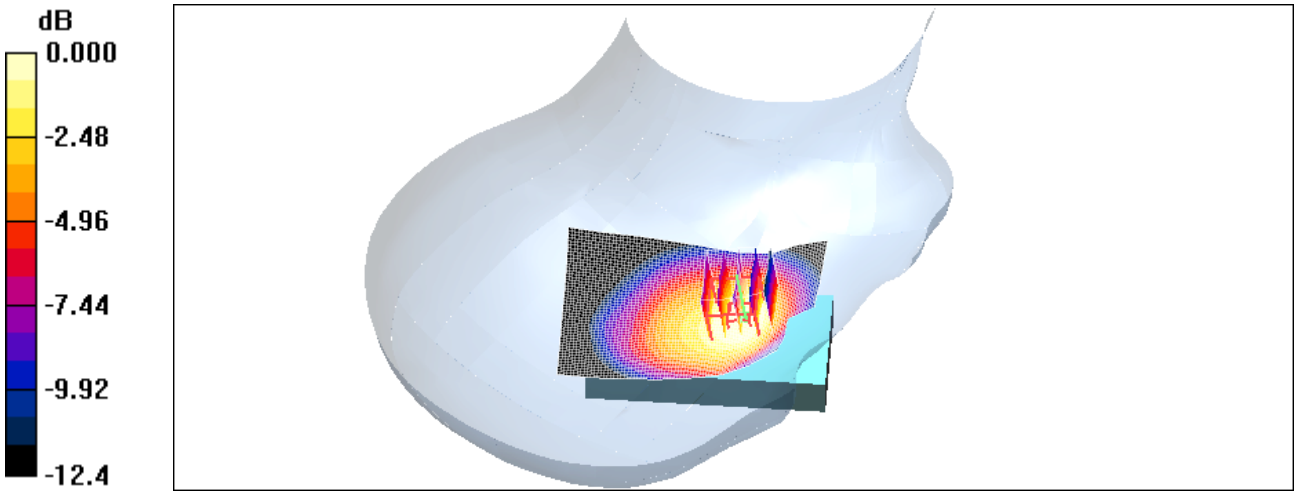
DASY4 Configuration:
- Probe: ET3DV6 - SN1644; ConvF(6.08, 6.08, 6.08); Calibrated: 11/11/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Touch position -/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 1.47 mW/g

Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 14.0 V/m; Power Drift = -0.232 dB
Peak SAR (extrapolated) = 1.68 W/kg
SAR(1 g) = 1.23 mW/g; SAR(10 g) = 0.848 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.30 mW/g



0 dB = 1.30mW/g

Date/Time: 22/01/2010 11:12:28 AM

Test Laboratory: RIM TESTING SERVICES

LeftHandSide_GSM850_low_chan_Amb_Tem_22.8_Liq_Tem_21.6_C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 21B5BE43

Communication System: GSM 850; Frequency: 824.2 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 825 MHz; σ = 0.864 mho/m; ε_r = 42.9; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY4 (High Precision Assessment)

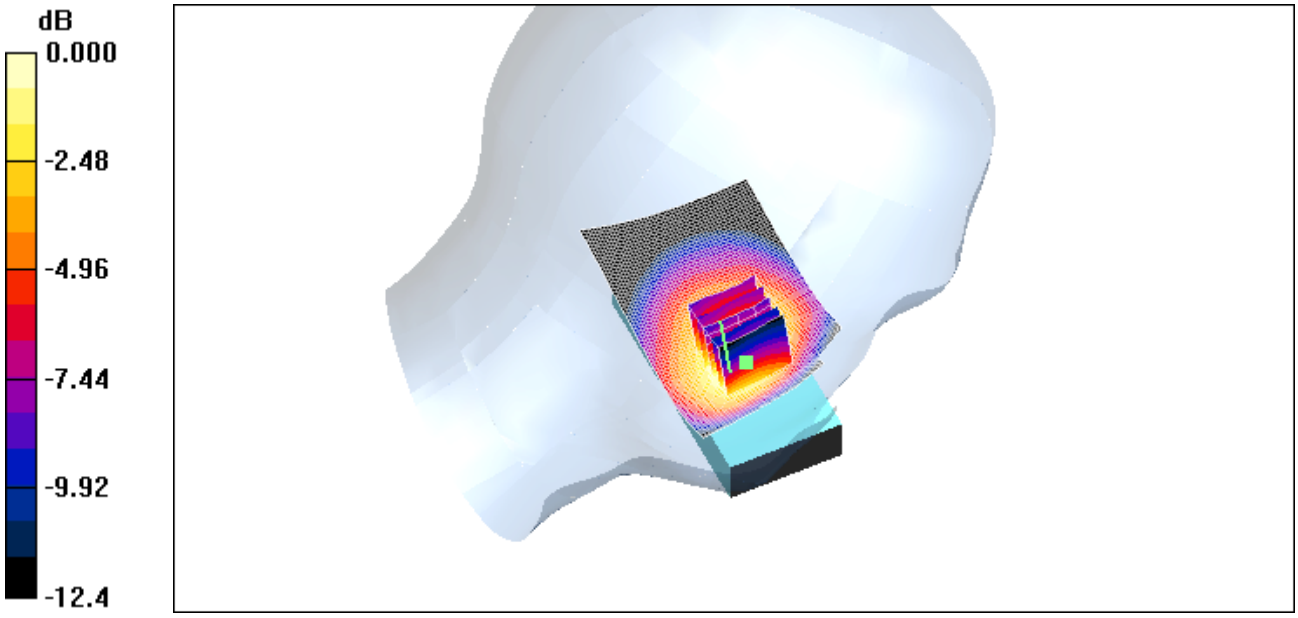
DASY4 Configuration:

- Probe: ET3DV6 - SN1643; ConvF(5.94, 5.94, 5.94); Calibrated: 10/03/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Touch position -/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.937 mW/g

Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 11.2 V/m; Power Drift = -0.113 dB
Peak SAR (extrapolated) = 1.22 W/kg
SAR(1 g) = 0.851 mW/g; SAR(10 g) = 0.572 mW/g

Maximum value of SAR (measured) = 0.903 mW/g



0 dB = 0.903mW/g

Date/Time: 22/01/2010 11:27:40 AM

Test Laboratory: RIM TESTING SERVICES

LeftHandSide_GSM850_mid_chan_Amb_Tem_22.9_Liq_Tem_21.5_C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 21B5BE43

Communication System: GSM 850; Frequency: 836.8 MHz;Duty Cycle: 1:8.3
Medium parameters used (interpolated): f = 836.8 MHz; σ = 0.876 mho/m; ε_r = 42.8; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1643; ConvF(5.94, 5.94, 5.94); Calibrated: 10/03/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

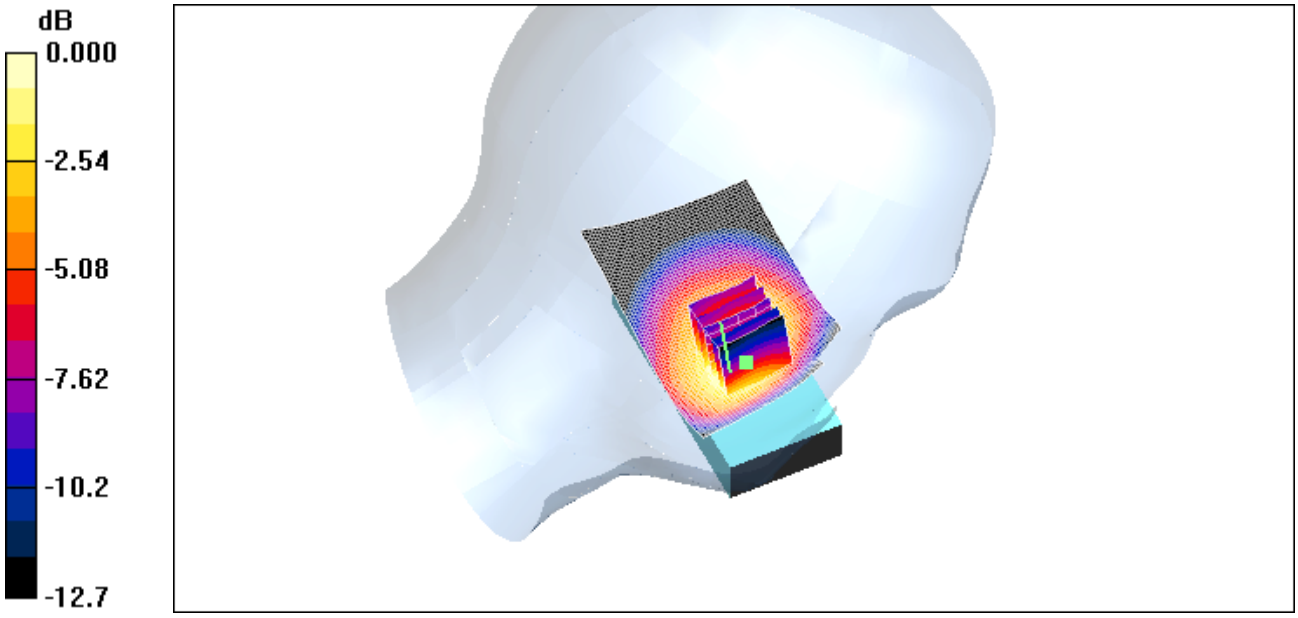
Touch position -/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 1.05 mW/g

Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 11.7 V/m; Power Drift = -0.020 dB
Peak SAR (extrapolated) = 1.37 W/kg
SAR(1 g) = 0.955 mW/g; SAR(10 g) = 0.639 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

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



0 dB = 1.02mW/g

Date/Time: 22/01/2010 11:41:16 AM

Test Laboratory: RIM TESTING SERVICES

LeftHandSide_GSM850_high_chan_Amb_Tem_22.8_Liq_Tem_21.6_C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 21B5BE43

Communication System: GSM 850; Frequency: 848.8 MHz;Duty Cycle: 1:8.3
Medium parameters used (interpolated): f = 848.8 MHz; σ = 0.889 mho/m; ε_r = 42.6; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1643; ConvF(5.94, 5.94, 5.94); Calibrated: 10/03/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

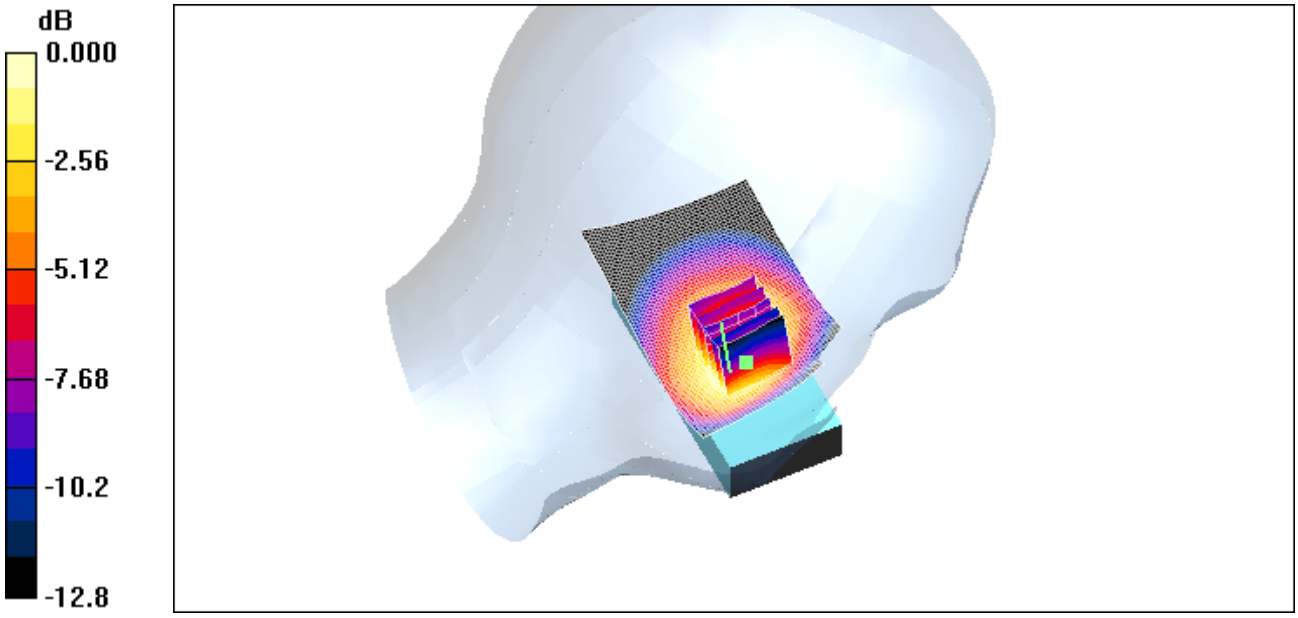
Touch position -/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 1.25 mW/g

Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 12.4 V/m; Power Drift = -0.082 dB
Peak SAR (extrapolated) = 1.64 W/kg
SAR(1 g) = 1.13 mW/g; SAR(10 g) = 0.755 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

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



0 dB = 1.20mW/g

Date/Time: 16/02/2010 7:46:48 PM

Test Laboratory: RIM TESTING SERVICES
File Name: LeftHandSide_GSM850_high_chan_Amb_Tem_23.0_Liq_Tem_21.0_C.da4

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 21D09DED
Program Name: Compliance Testing: P1528 Protocol (Left-Hand Side)

Communication System: GSM 850; Frequency: 848.8 MHz;Duty Cycle: 1:8.3
Medium parameters used (interpolated): f = 848.8 MHz; σ = 0.889 mho/m; ε_r = 42.6; ρ = 1000 kg/m^3
Phantom section: Left Section

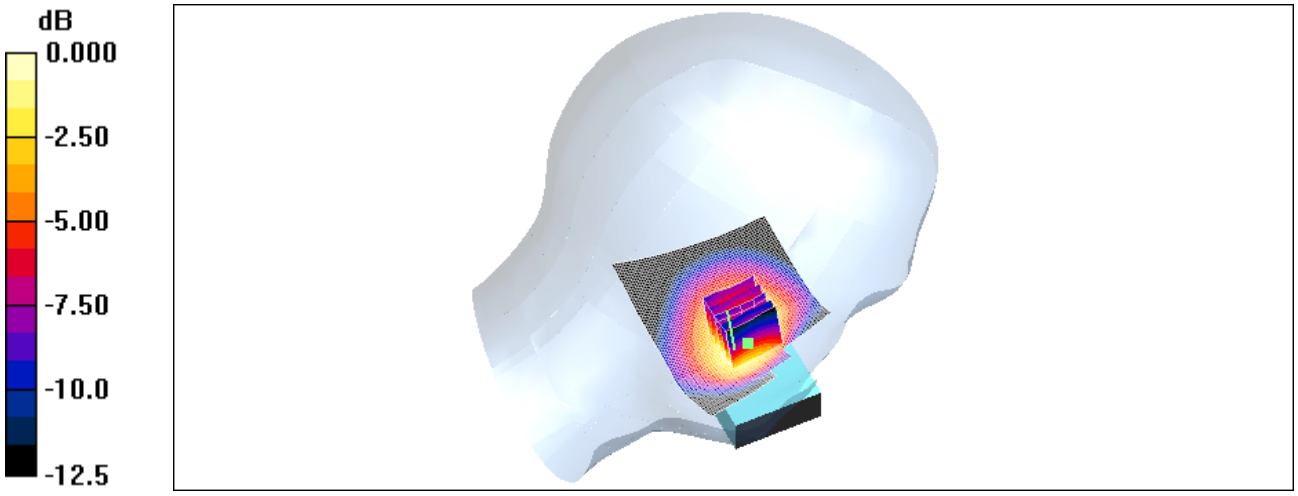
DASY4 Configuration:
- Probe: ET3DV6 - SN1644; ConvF(6.08, 6.08, 6.08); Calibrated: 11/11/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Touch position -/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 1.18 mW/g

Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 11.3 V/m; Power Drift = 0.063 dB
Peak SAR (extrapolated) = 1.60 W/kg
SAR(1 g) = 1.1 mW/g; SAR(10 g) = 0.727 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.18 mW/g



0 dB = 1.18mW/g

Date/Time: 22/01/2010 12:02:10 PM

Test Laboratory: RIM TESTING SERVICES

LeftHandSide_Tilt_GSM850_high_chan_Amb_Tem_22.7_Liq_Tem_21.8_C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 21B5BE43

Communication System: GSM 850; Frequency: 848.8 MHz;Duty Cycle: 1:8.3
Medium parameters used (interpolated): f = 848.8 MHz; σ = 0.889 mho/m; ε_r = 42.6; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

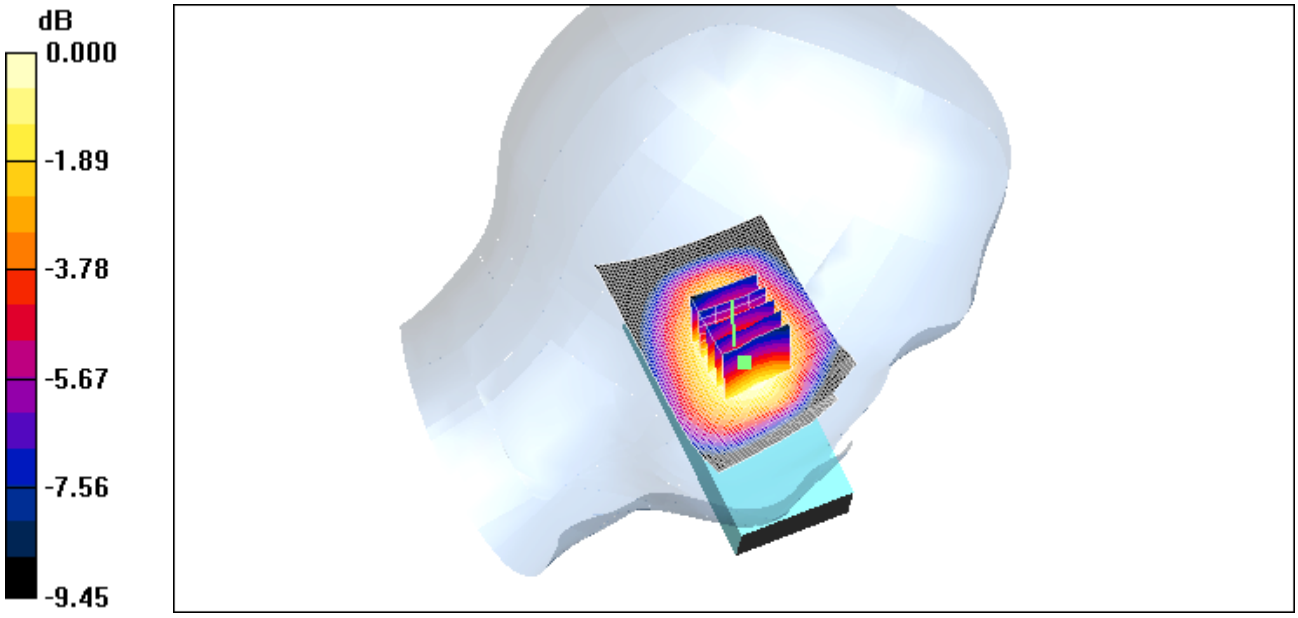
- Probe: ET3DV6 - SN1643; ConvF(5.94, 5.94, 5.94); Calibrated: 10/03/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Touch position -/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.826 mW/g

Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 20.9 V/m; Power Drift = 0.006 dB
Peak SAR (extrapolated) = 0.964 W/kg
SAR(1 g) = 0.763 mW/g; SAR(10 g) = 0.558 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.806 mW/g



0 dB = 0.806mW/g

Date/Time: 22/01/2010 3:37:17 PM

Test Laboratory: RIM TESTING SERVICES

RightHandSide_GSM850_low_chan_Amb_Tem_22.4_Liq_Tem_21.5C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 21B5BE43

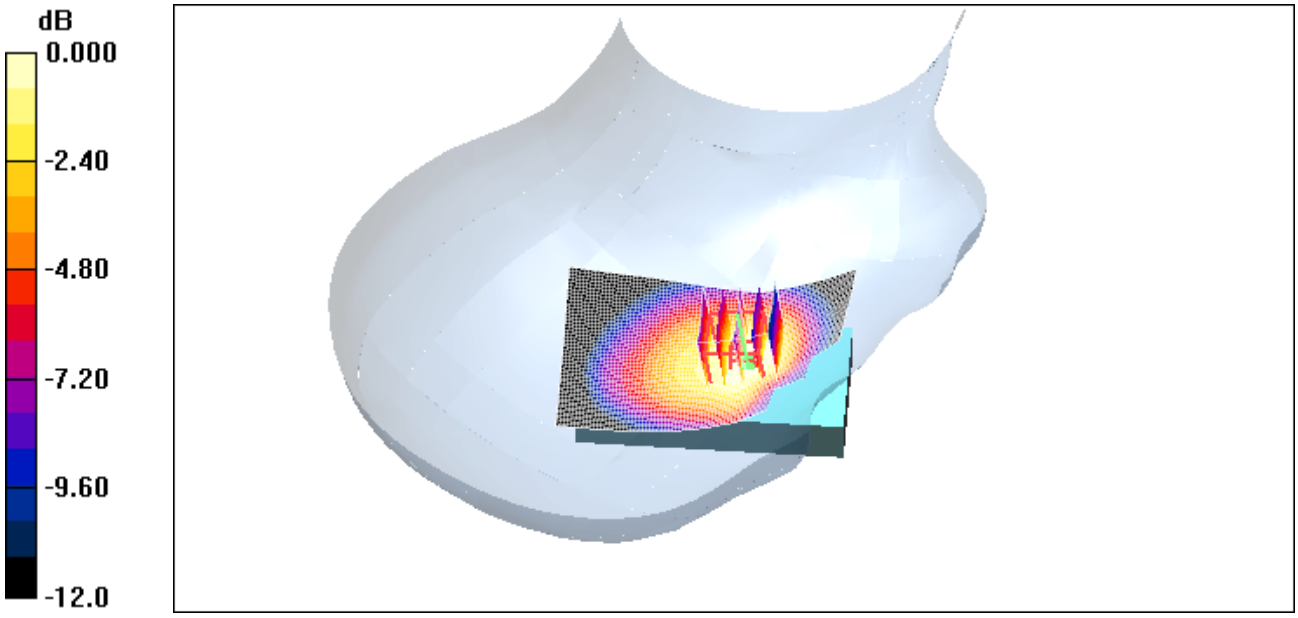
Communication System: GSM 850; Frequency: 824.2 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 825 MHz; σ = 0.864 mho/m; ε_r = 42.9; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1643; ConvF(5.94, 5.94, 5.94); Calibrated: 10/03/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Touch position -/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.906 mW/g

Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 11.3 V/m; Power Drift = -0.002 dB
Peak SAR (extrapolated) = 1.05 W/kg
SAR(1 g) = 0.801 mW/g; SAR(10 g) = 0.560 mW/g
Maximum value of SAR (measured) = 0.852 mW/g



0 dB = 0.852mW/g

Date/Time: 22/01/2010 3:53:27 PM

Test Laboratory: RIM TESTING SERVICES

RightHandSide_GSM850_mid_chan_Amb_Tem_22.5_Liq_Tem_21.4C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 21B5BE43

Communication System: GSM 850; Frequency: 836.8 MHz;Duty Cycle: 1:8.3
Medium parameters used (interpolated): f = 836.8 MHz; σ = 0.876 mho/m; ε_r = 42.8; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

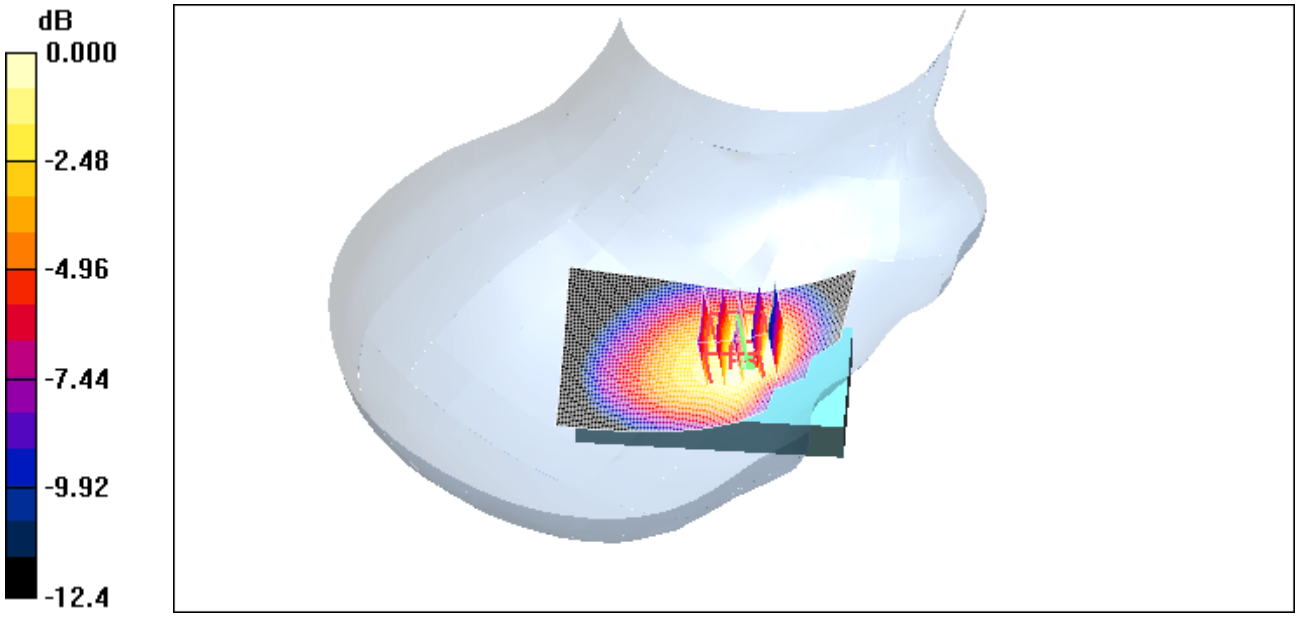
- Probe: ET3DV6 - SN1643; ConvF(5.94, 5.94, 5.94); Calibrated: 10/03/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Touch position -/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 1.05 mW/g

Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 12.2 V/m; Power Drift = 0.000 dB
Peak SAR (extrapolated) = 1.26 W/kg
SAR(1 g) = 0.940 mW/g; SAR(10 g) = 0.653 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.00 mW/g



0 dB = 1.00mW/g

Date/Time: 22/01/2010 4:09:13 PM

Test Laboratory: RIM TESTING SERVICES

RightHandSide_GSM850_high_chan_Amb_Tem_22.5_Liq_Tem_21.3C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 21B5BE43

Communication System: GSM 850; Frequency: 848.8 MHz;Duty Cycle: 1:8.3
Medium parameters used (interpolated): f = 848.8 MHz; σ = 0.889 mho/m; ε_r = 42.6; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

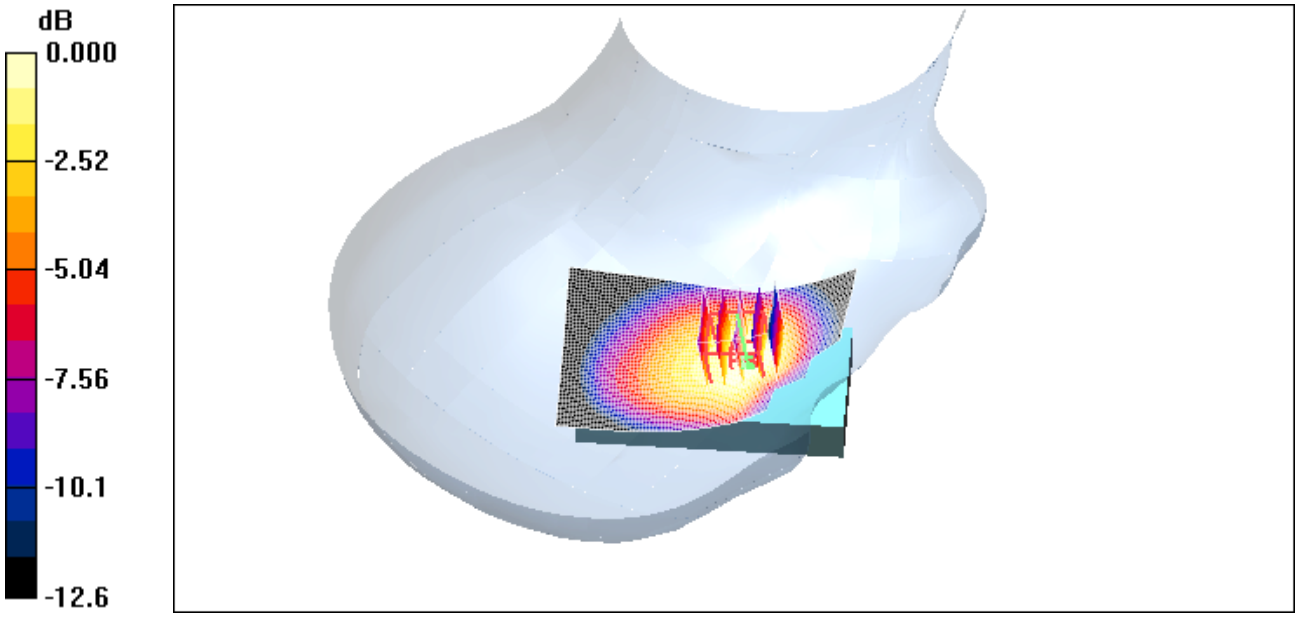
- Probe: ET3DV6 - SN1643; ConvF(5.94, 5.94, 5.94); Calibrated: 10/03/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Touch position -/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 1.25 mW/g

Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 13.3 V/m; Power Drift = 0.005 dB
Peak SAR (extrapolated) = 1.50 W/kg
SAR(1 g) = 1.12 mW/g; SAR(10 g) = 0.780 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.20 mW/g



0 dB = 1.20mW/g

Date/Time: 22/01/2010 4:27:08 PM

Test Laboratory: RIM TESTING SERVICES

RightHandSide_Tilt_GSM850_high_chan_Amb_Tem_22.5_Liq_Tem_21.4C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 21B5BE43

Communication System: GSM 850; Frequency: 848.8 MHz;Duty Cycle: 1:8.3
Medium parameters used (interpolated): f = 848.8 MHz; σ = 0.889 mho/m; ε_r = 42.6; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

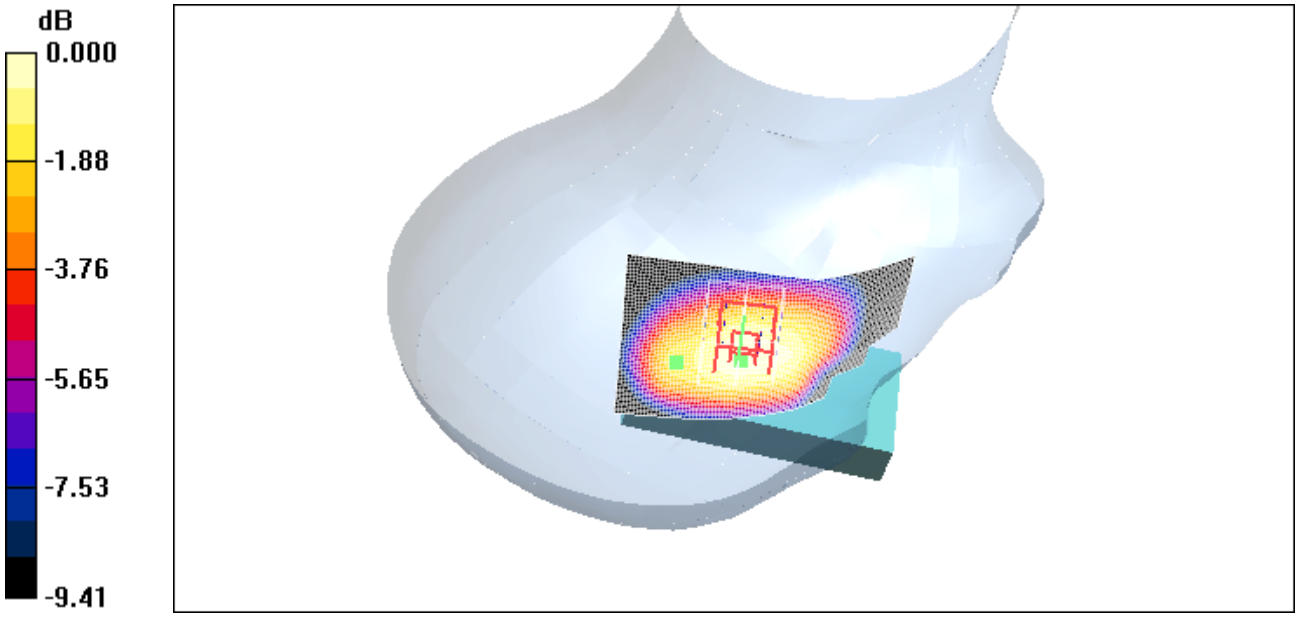
- Probe: ET3DV6 - SN1643; ConvF(5.94, 5.94, 5.94); Calibrated: 10/03/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Touch position -/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.790 mW/g

Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 21.2 V/m; Power Drift = -0.058 dB
Peak SAR (extrapolated) = 0.959 W/kg
SAR(1 g) = 0.760 mW/g; SAR(10 g) = 0.554 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.793 mW/g



0 dB = 0.793mW/g

Date/Time: 22/01/2010 10:04:40 AM

Test Laboratory: RIM TESTING SERVICES

LeftHandSide_UMTS_band_V_low_chan_Amb_Tem_22.3_Liq_Tem_21.7_C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 21B5BE43

Communication System: WCDMA FDD V; Frequency: 826.4 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 826.4 MHz; σ = 0.866 mho/m; ε_r = 42.9; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

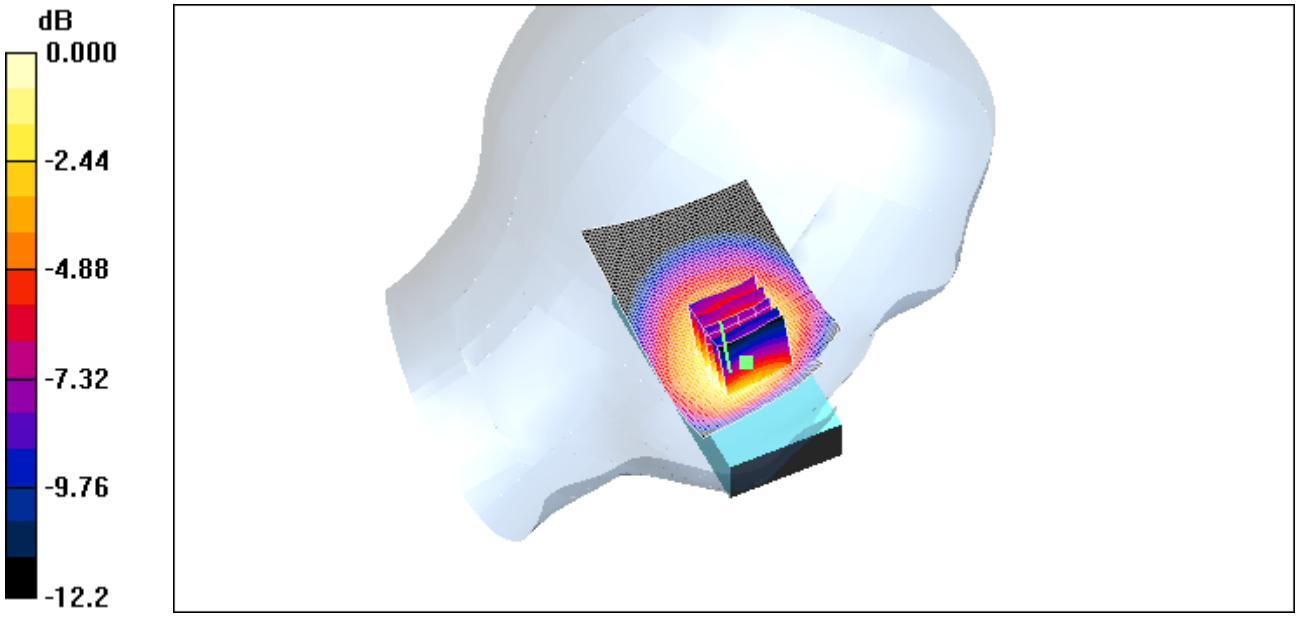
- Probe: ET3DV6 - SN1643; ConvF(5.94, 5.94, 5.94); Calibrated: 10/03/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Touch position -/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 1.35 mW/g

Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 13.6 V/m; Power Drift = -0.129 dB
Peak SAR (extrapolated) = 1.73 W/kg
SAR(1 g) = 1.23 mW/g; SAR(10 g) = 0.837 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.31 mW/g



0 dB = 1.31mW/g

Date/Time: 22/01/2010 10:19:54 AM

Test Laboratory: RIM TESTING SERVICES

LeftHandSide_UMTS_band_V_mid_chan_Amb_Tem_22.5_Liq_Tem_21.6_C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 21B5BE43

Communication System: WCDMA FDD V; Frequency: 836.4 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.4 MHz; σ = 0.876 mho/m; ε_r = 42.8; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

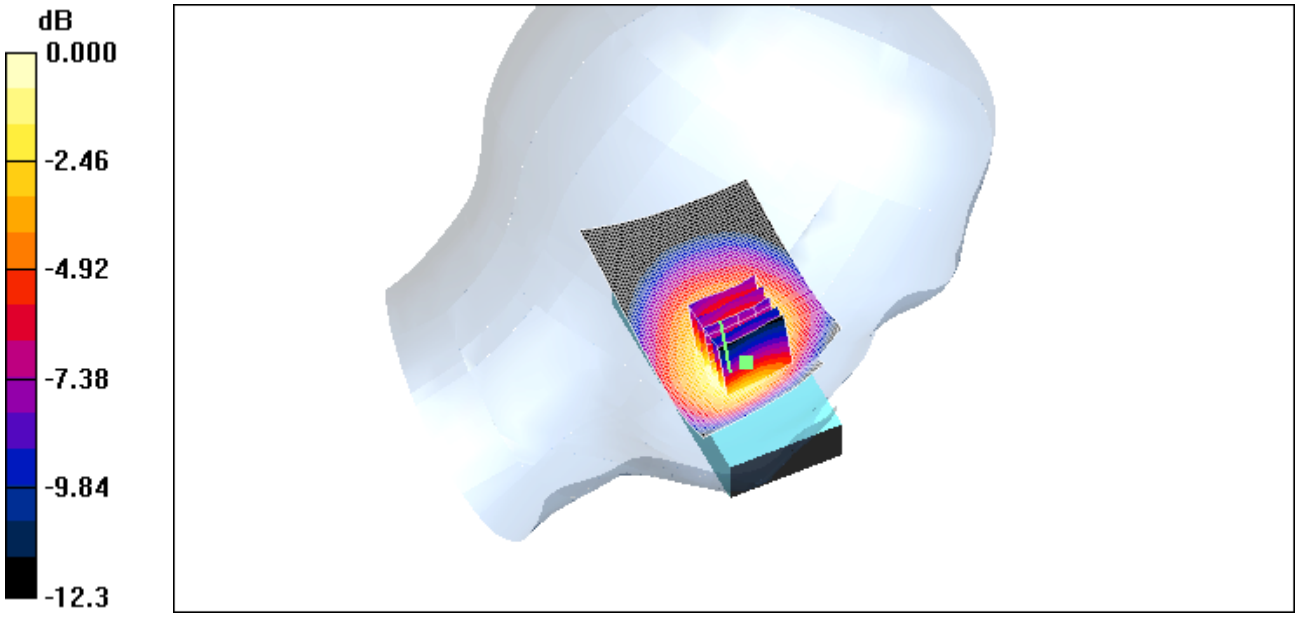
- Probe: ET3DV6 - SN1643; ConvF(5.94, 5.94, 5.94); Calibrated: 10/03/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Touch position -/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 1.42 mW/g

Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 13.7 V/m; Power Drift = -0.080 dB
Peak SAR (extrapolated) = 1.83 W/kg
SAR(1 g) = 1.3 mW/g; SAR(10 g) = 0.889 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.38 mW/g



0 dB = 1.38mW/g

Date/Time: 22/01/2010 10:35:12 AM

Test Laboratory: RIM TESTING SERVICES

LeftHandSide_UMTS_band_V_high_chan_Amb_Tem_22.4_Liq_Tem_21.5_C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 21B5BE43

Communication System: WCDMA FDD V; Frequency: 846.6 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 846.6 MHz; σ = 0.886 mho/m; ε_r = 42.6; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

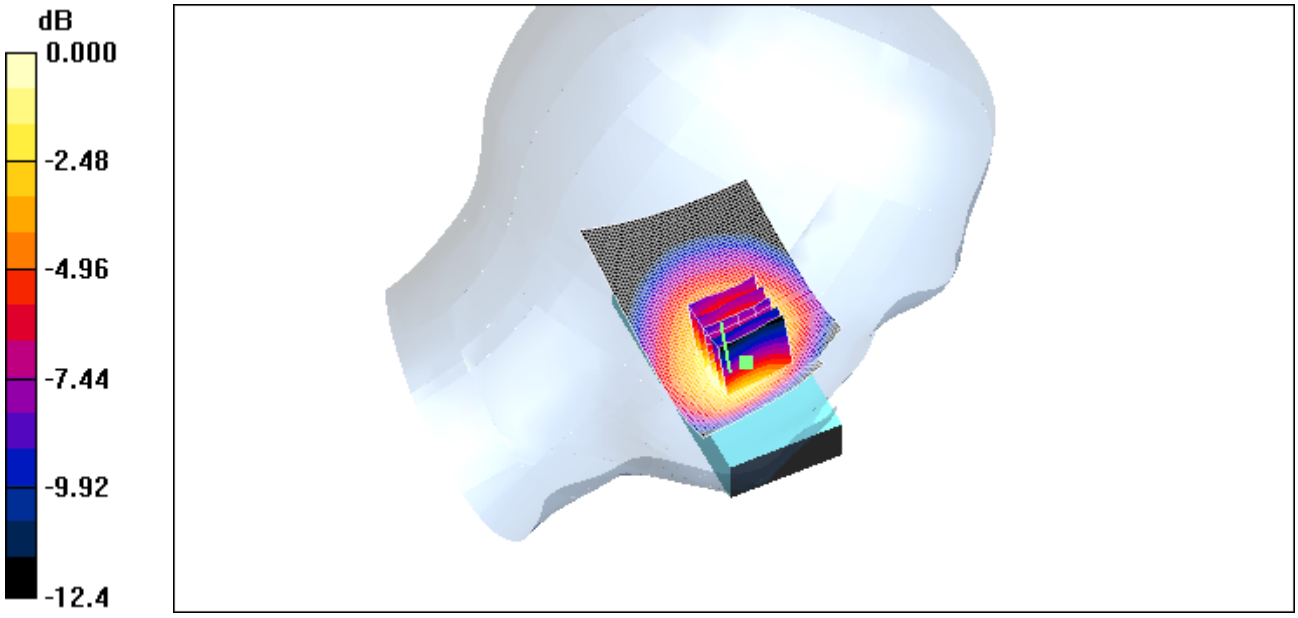
- Probe: ET3DV6 - SN1643; ConvF(5.94, 5.94, 5.94); Calibrated: 10/03/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Touch position -/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 1.49 mW/g

Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 13.8 V/m; Power Drift = -0.037 dB
Peak SAR (extrapolated) = 1.93 W/kg
SAR(1 g) = 1.37 mW/g; SAR(10 g) = 0.932 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.46 mW/g



0 dB = 1.46mW/g

Date/Time: 09/02/2010 9:13:12 PM

Test Laboratory: RIM TESTING SERVICES
File Name:
LeftHandSide_UMTS_Band_V_high_chan_Amb_Tem_23.0_Liq_Tem_21.0C.da4

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 21D09DED
Program Name: Compliance Testing: P1528 Protocol (Left-Hand Side)

Communication System: WCDMA FDD V; Frequency: 846.6 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 846.6 MHz; σ = 0.879 mho/m; ε_r = 39.4; ρ = 1000 kg/m^3
Phantom section: Left Section

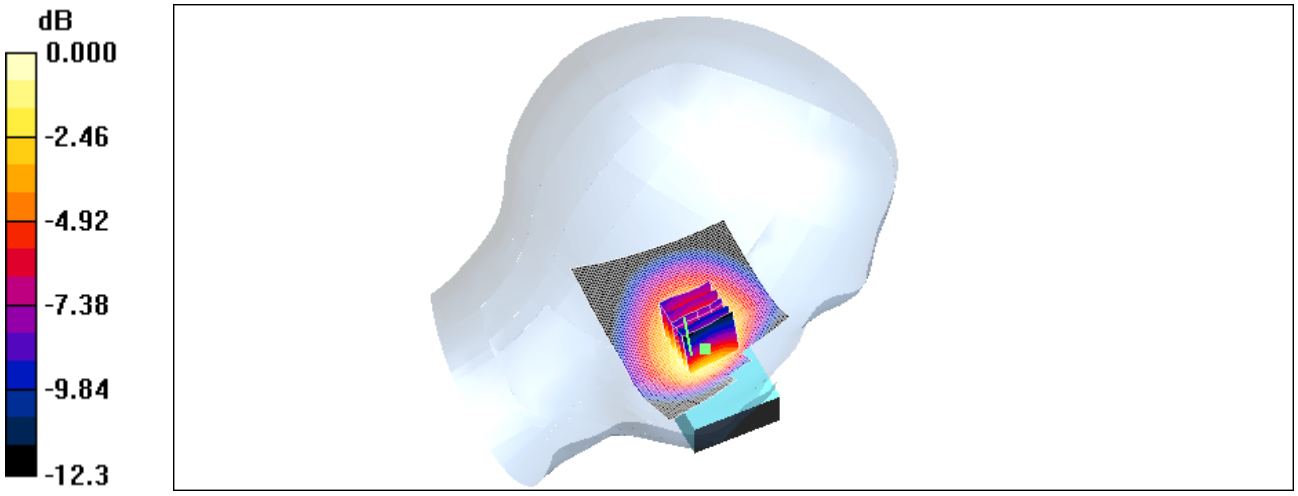
DASY4 Configuration:
- Probe: ET3DV6 - SN1644; ConvF(6.08, 6.08, 6.08); Calibrated: 11/11/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Touch position -/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 1.43 mW/g

Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 14.3 V/m; Power Drift = 0.041 dB
Peak SAR (extrapolated) = 1.93 W/kg
SAR(1 g) = 1.34 mW/g; SAR(10 g) = 0.897 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.43 mW/g



0 dB = 1.43mW/g

Date/Time: 22/01/2010 10:50:36 AM

Test Laboratory: RIM TESTING SERVICES

LeftHandSide_Tilt_UMTS_band_V_high_chan_Amb_Tem_22.5_Liq_Tem_21.4_C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 21B5BE43

Communication System: WCDMA FDD V; Frequency: 846.6 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 846.6 MHz; σ = 0.886 mho/m; ε_r = 42.6; ρ = 1000 kg/m^3
Phantom section: Left Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

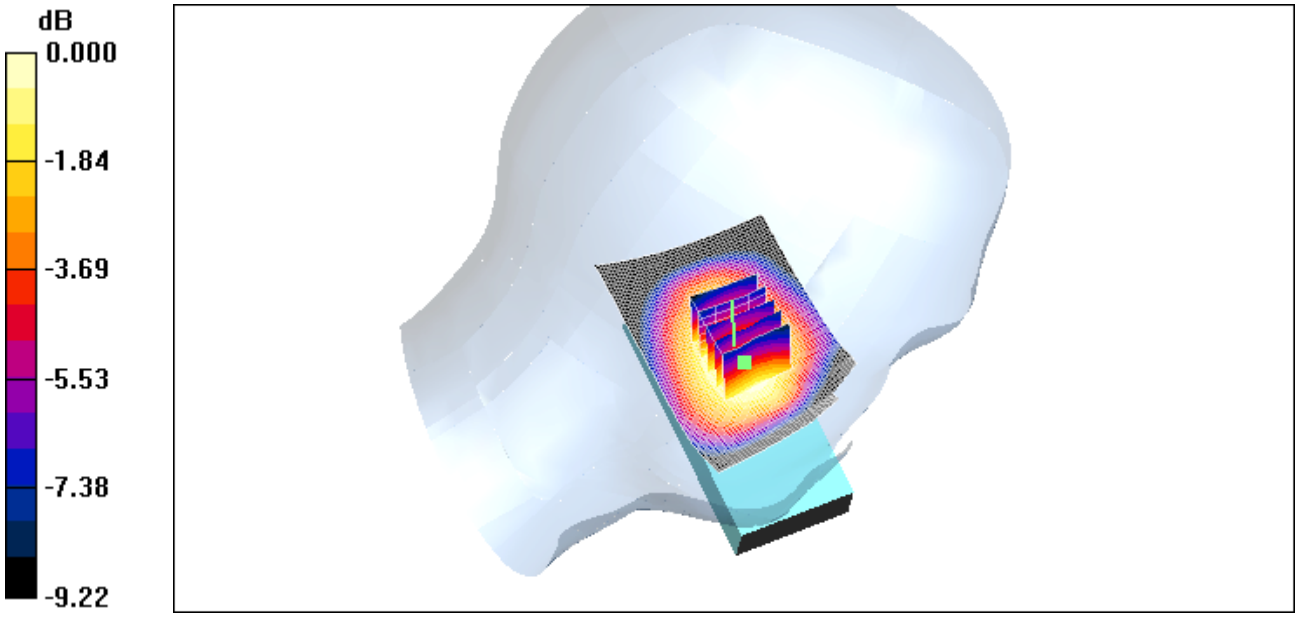
- Probe: ET3DV6 - SN1643; ConvF(5.94, 5.94, 5.94); Calibrated: 10/03/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Touch position -/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.935 mW/g

Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 22.2 V/m; Power Drift = 0.030 dB
Peak SAR (extrapolated) = 1.09 W/kg
SAR(1 g) = 0.865 mW/g; SAR(10 g) = 0.639 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.913 mW/g



0 dB = 0.913mW/g

Date/Time: 22/01/2010 12:25:05 PM

Test Laboratory: RIM TESTING SERVICES

RightHandSide_UMTS_Band_V_low_chan_Amb_Tem_22.9_Liq_Tem_21.6C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 21B5BE43

Communication System: WCDMA FDD V; Frequency: 826.4 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 826.4 MHz; σ = 0.866 mho/m; ε_r = 42.9; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

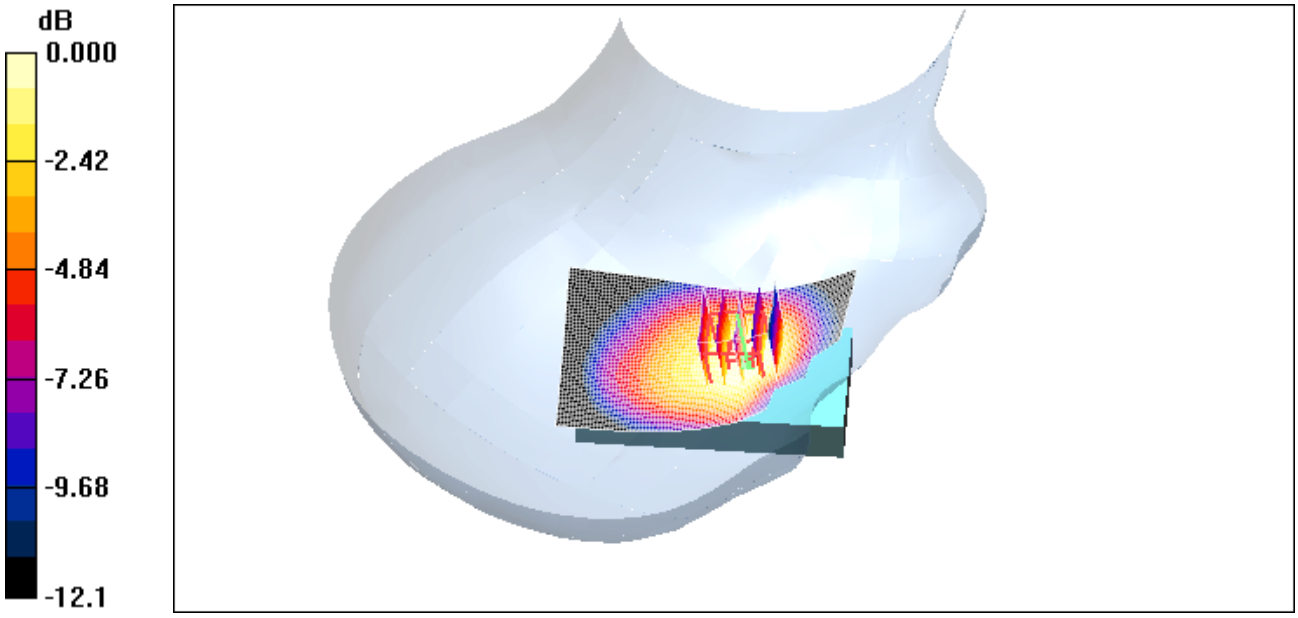
- Probe: ET3DV6 - SN1643; ConvF(5.94, 5.94, 5.94); Calibrated: 10/03/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Touch position -/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 1.32 mW/g

Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 14.4 V/m; Power Drift = -0.288 dB
Peak SAR (extrapolated) = 1.54 W/kg
SAR(1 g) = 1.17 mW/g; SAR(10 g) = 0.815 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.24 mW/g



0 dB = 1.24mW/g

Date/Time: 22/01/2010 12:39:53 PM

Test Laboratory: RIM TESTING SERVICES

RightHandSide_UMTS_Band_V_mid_chan_Amb_Tem_22.5_Liq_Tem_21.5C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 21B5BE43

Communication System: WCDMA FDD V; Frequency: 836.4 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.4 MHz; σ = 0.876 mho/m; ε_r = 42.8; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

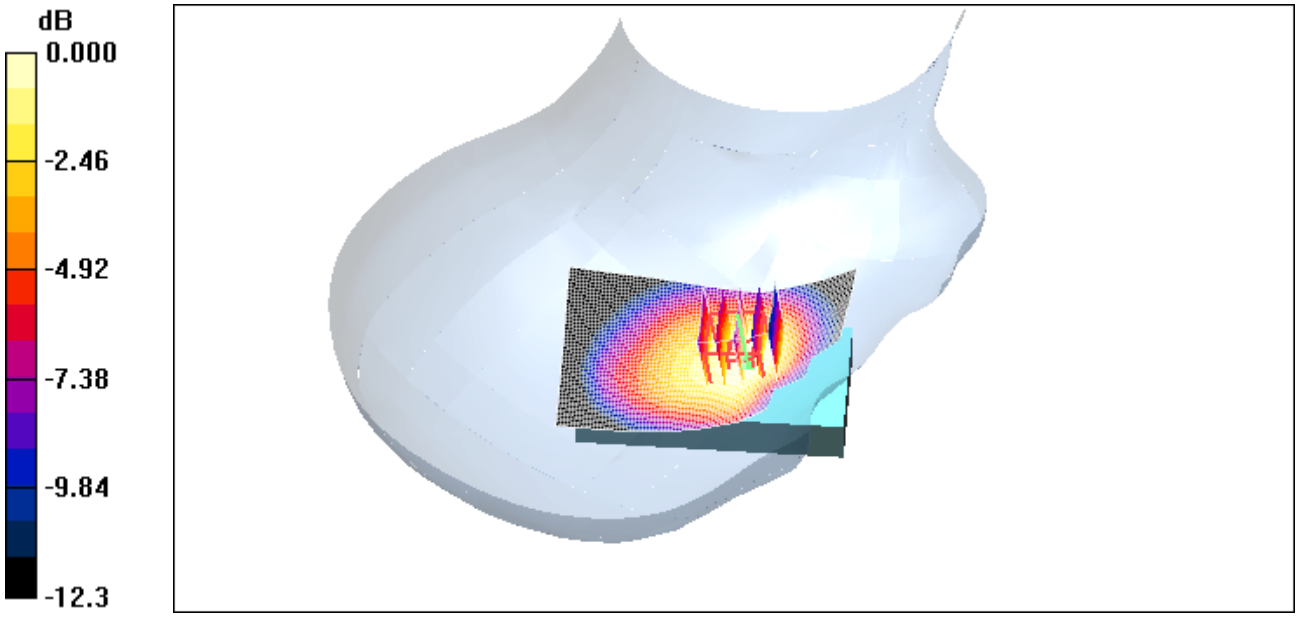
- Probe: ET3DV6 - SN1643; ConvF(5.94, 5.94, 5.94); Calibrated: 10/03/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Touch position -/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 1.37 mW/g

Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 14.3 V/m; Power Drift = -0.115 dB
Peak SAR (extrapolated) = 1.61 W/kg
SAR(1 g) = 1.22 mW/g; SAR(10 g) = 0.852 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.29 mW/g



0 dB = 1.29mW/g

Date/Time: 22/01/2010 2:29:21 PM

Test Laboratory: RIM TESTING SERVICES

RightHandSide_UMTS_Band_V_high_chan_Amb_Tem_22.0_Liq_Tem_21.3C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 21B5BE43

Communication System: WCDMA FDD V; Frequency: 846.6 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 846.6 MHz; σ = 0.886 mho/m; ε_r = 42.6; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

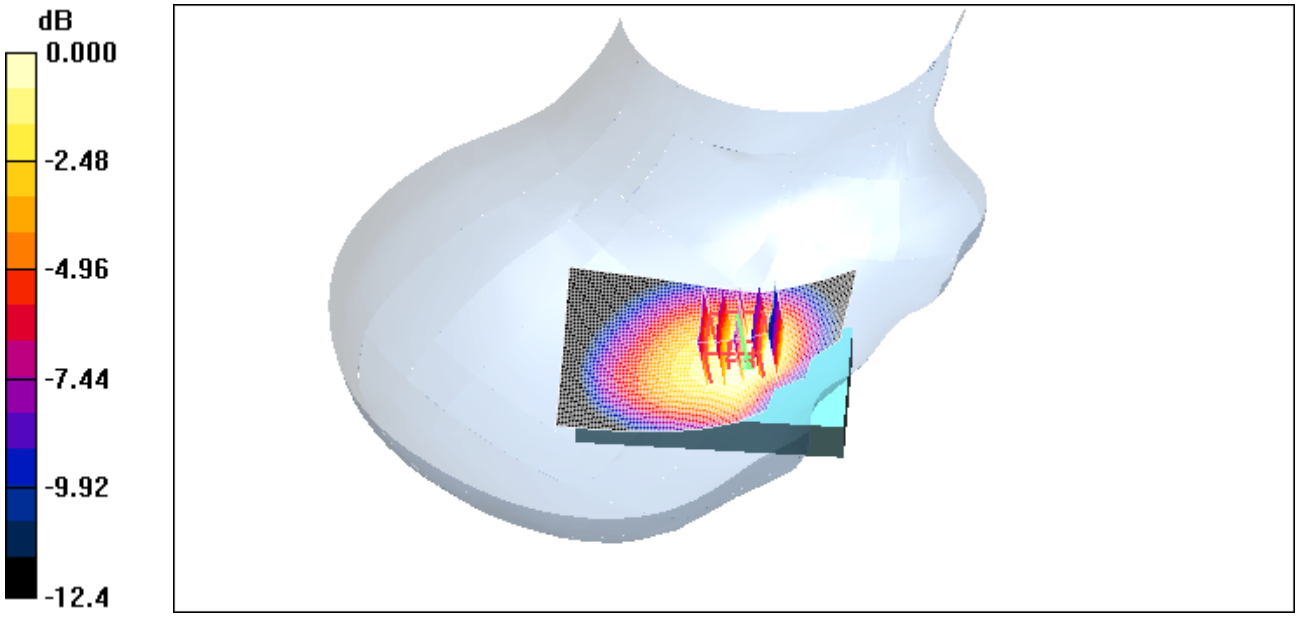
- Probe: ET3DV6 - SN1643; ConvF(5.94, 5.94, 5.94); Calibrated: 10/03/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Touch position -/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 1.45 mW/g

Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 14.5 V/m; Power Drift = -0.023 dB
Peak SAR (extrapolated) = 1.71 W/kg
SAR(1 g) = 1.29 mW/g; SAR(10 g) = 0.901 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.37 mW/g



0 dB = 1.37mW/g

Date/Time: 09/02/2010 9:33:08 PM

Test Laboratory: RIM TESTING SERVICES
File Name:
RightHandSide_UMTS_Band_V_high_chan_Amb_Tem_23.2_Liq_Tem_21.0C.da4

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 21D09DED
Program Name: Compliance Testing: (Right-Hand Side)

Communication System: WCDMA FDD V; Frequency: 846.6 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 846.6 MHz; σ = 0.879 mho/m; ε_r = 39.4; ρ = 1000 kg/m^3
Phantom section: Right Section

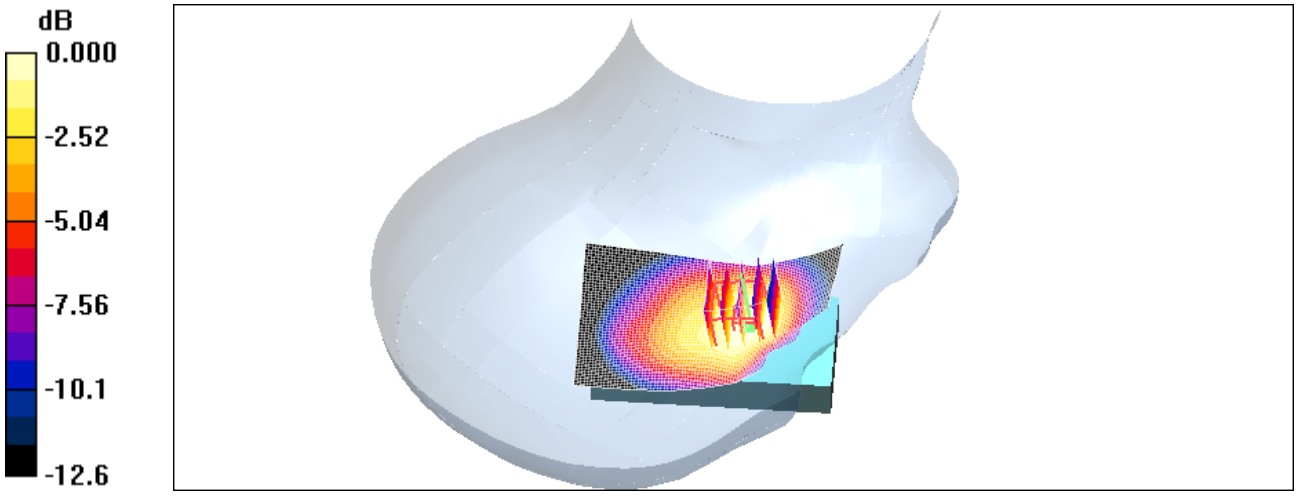
DASY4 Configuration:
- Probe: ET3DV6 - SN1644; ConvF(6.08, 6.08, 6.08); Calibrated: 11/11/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Touch position -/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 1.40 mW/g

Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 14.4 V/m; Power Drift = -0.179 dB
Peak SAR (extrapolated) = 1.67 W/kg
SAR(1 g) = 1.24 mW/g; SAR(10 g) = 0.864 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.31 mW/g



0 dB = 1.31mW/g

Date/Time: 22/01/2010 3:17:41 PM

Test Laboratory: RIM TESTING SERVICES

RightHandSide_Tilt_UMTS_Band_V_high_chan_Amb_Tem_23.1_Liq_Tem_21.6C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 21B5BE43

Communication System: WCDMA FDD V; Frequency: 846.6 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 846.6 MHz; σ = 0.886 mho/m; ε_r = 42.6; ρ = 1000 kg/m^3
Phantom section: Right Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

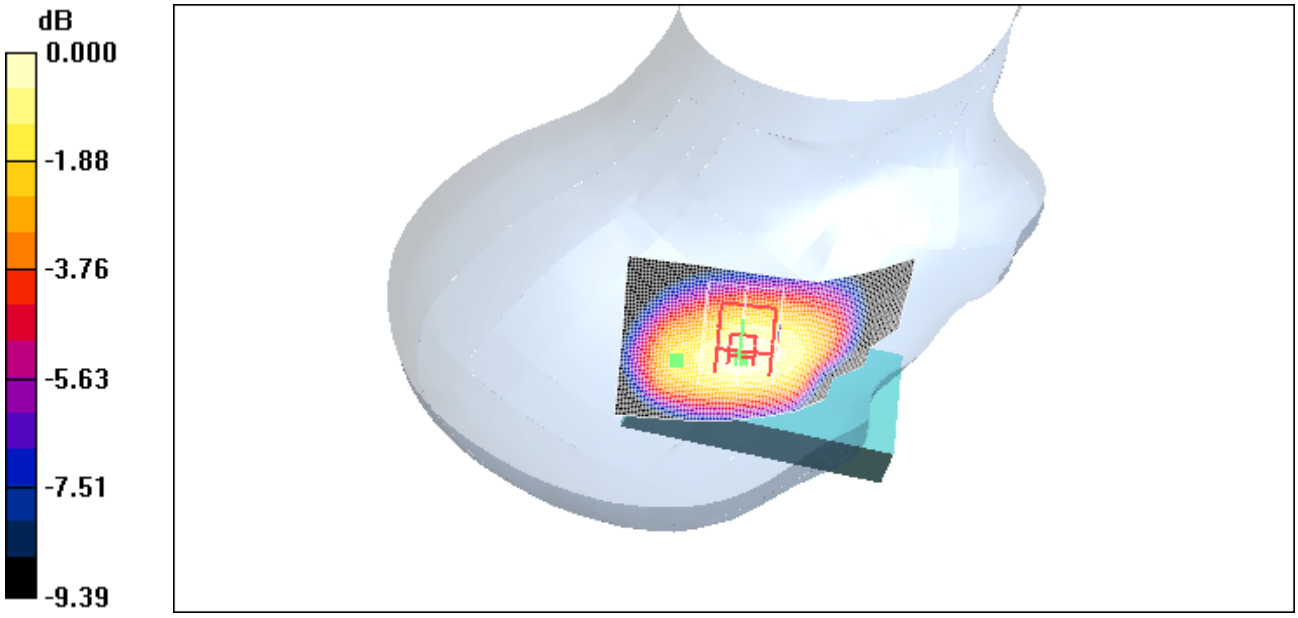
- Probe: ET3DV6 - SN1643; ConvF(5.94, 5.94, 5.94); Calibrated: 10/03/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Touch position -/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.881 mW/g

Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 22.8 V/m; Power Drift = -0.013 dB
Peak SAR (extrapolated) = 1.07 W/kg
SAR(1 g) = 0.848 mW/g; SAR(10 g) = 0.617 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.902 mW/g



0 dB = 0.902mW/g

Date/Time: 12/02/2010 12:18:44 AM

Test Laboratory: RIM TESTING SERVICES
File Name:
LeftHandSide_EDGE1900_mid_chan_Amb_Tem_23.2_Liq_Tem_21.8_C.da4

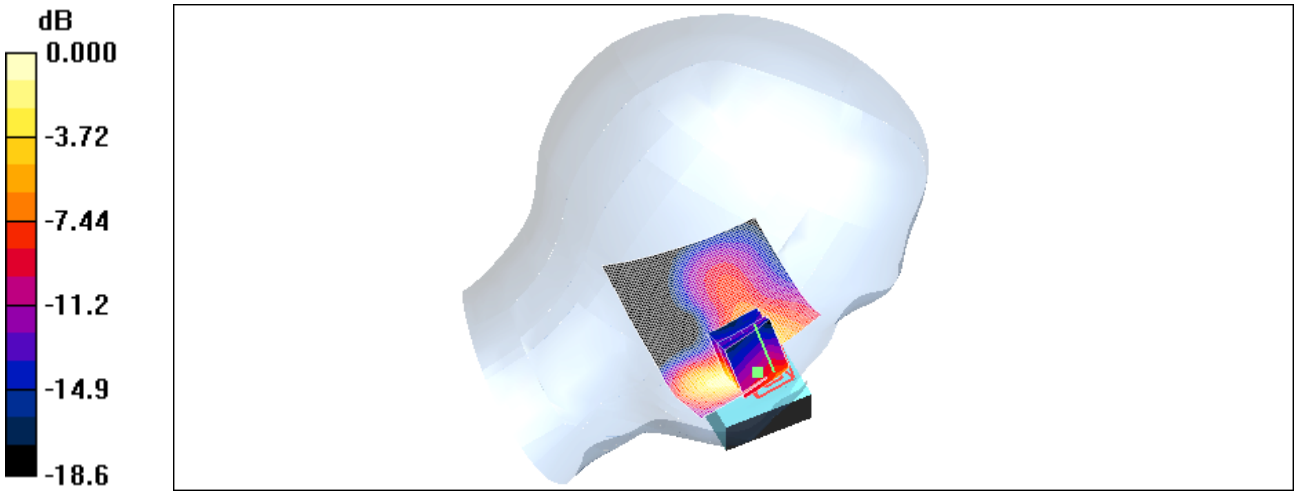
DUT: BlackBerry Smartphone; Type: Sample ; Serial: 21D09DED
Program Name: Compliance Testing: P1528 Protocol (Left-Hand Side)

Communication System: EDGE 1900; Frequency: 1880 MHz;Duty Cycle: 1:4.2
Medium parameters used: f = 1880 MHz; σ = 1.41 mho/m; ε_r = 40.9; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1644; ConvF(5.17, 5.17, 5.17); Calibrated: 11/11/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Touch position -/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.450 mW/g

Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 4.45 V/m; Power Drift = -0.113 dB
Peak SAR (extrapolated) = 0.994 W/kg
SAR(1 g) = 0.503 mW/g; SAR(10 g) = 0.237 mW/g
Maximum value of SAR (measured) = 0.521 mW/g



0 dB = 0.521mW/g

Date/Time: 12/02/2010 12:59:29 AM

Test Laboratory: RIM TESTING SERVICES
File Name: LeftHandSide_GSM1900_mid_chan_Amb_Tem_23.3_Liq_Tem_21.9_C.da4

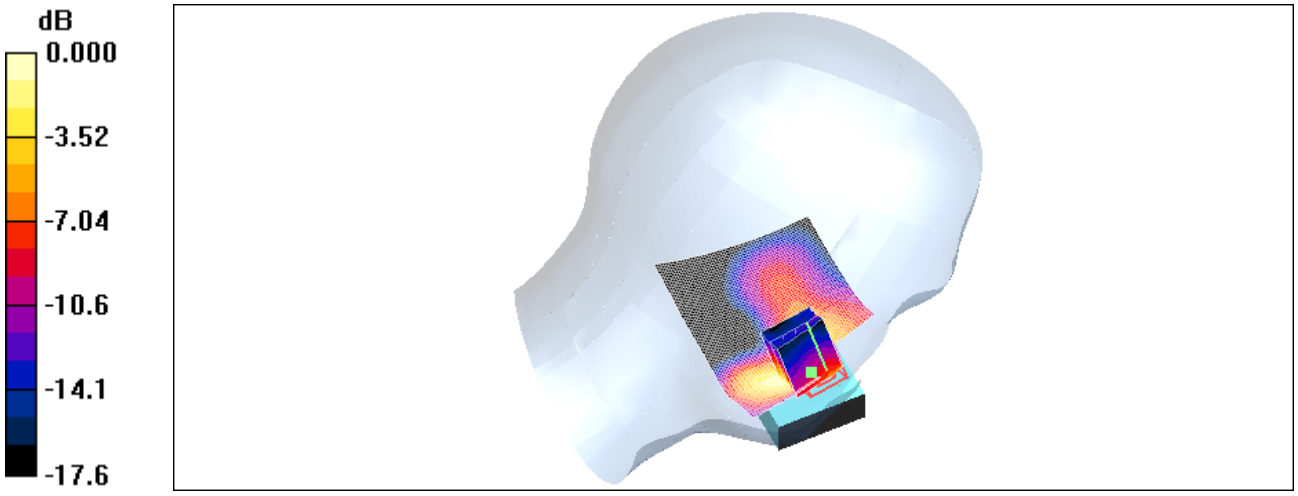
DUT: BlackBerry Smartphone; Type: Sample ; Serial: 21D09DED
Program Name: Compliance Testing: P1528 Protocol (Left-Hand Side)

Communication System: GSM 1900; Frequency: 1880 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 1880 MHz; σ = 1.41 mho/m; ε_r = 40.9; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1644; ConvF(5.17, 5.17, 5.17); Calibrated: 11/11/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Touch position -/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.434 mW/g

Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 4.47 V/m; Power Drift = -0.259 dB
Peak SAR (extrapolated) = 0.894 W/kg
SAR(1 g) = 0.458 mW/g; SAR(10 g) = 0.219 mW/g
Maximum value of SAR (measured) = 0.495 mW/g



0 dB = 0.495mW/g

Date/Time: 12/02/2010 12:38:58 AM

Test Laboratory: RIM TESTING SERVICES
File Name:
LeftHandSide_Tilt_EDGE1900_mid_chan_Amb_Tem_23.3_Liq_Tem_21.9_C.da4

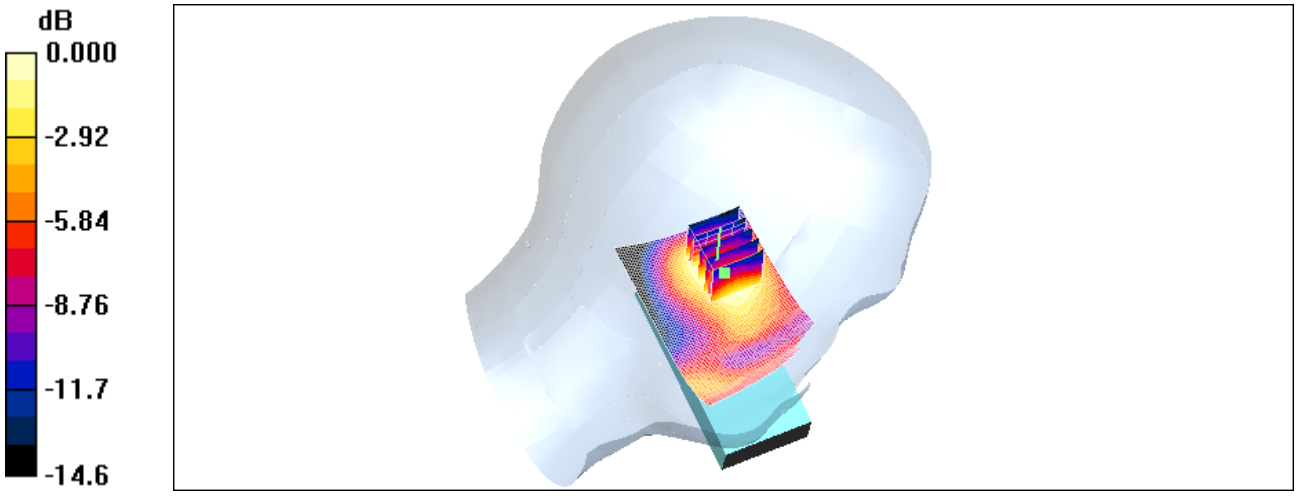
DUT: BlackBerry Smartphone; Type: Sample ; Serial: 21D09DED
Program Name: Compliance Testing: P1528 Protocol (Left-Hand Side)

Communication System: EDGE 1900; Frequency: 1880 MHz;Duty Cycle: 1:4.2
Medium parameters used: f = 1880 MHz; σ = 1.41 mho/m; ε_r = 40.9; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1644; ConvF(5.17, 5.17, 5.17); Calibrated: 11/11/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Touch position -/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.188 mW/g

Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 9.64 V/m; Power Drift = 0.108 dB
Peak SAR (extrapolated) = 0.221 W/kg
SAR(1 g) = 0.147 mW/g; SAR(10 g) = 0.090 mW/g
Maximum value of SAR (measured) = 0.158 mW/g



0 dB = 0.158mW/g

Date/Time: 11/02/2010 10:53:51 PM

Test Laboratory: RIM TESTING SERVICES
File Name:
RightHandSide_EDGE1900_mid_chan_Amb_Tem_23.3_Liq_Tem_21.9C.da4

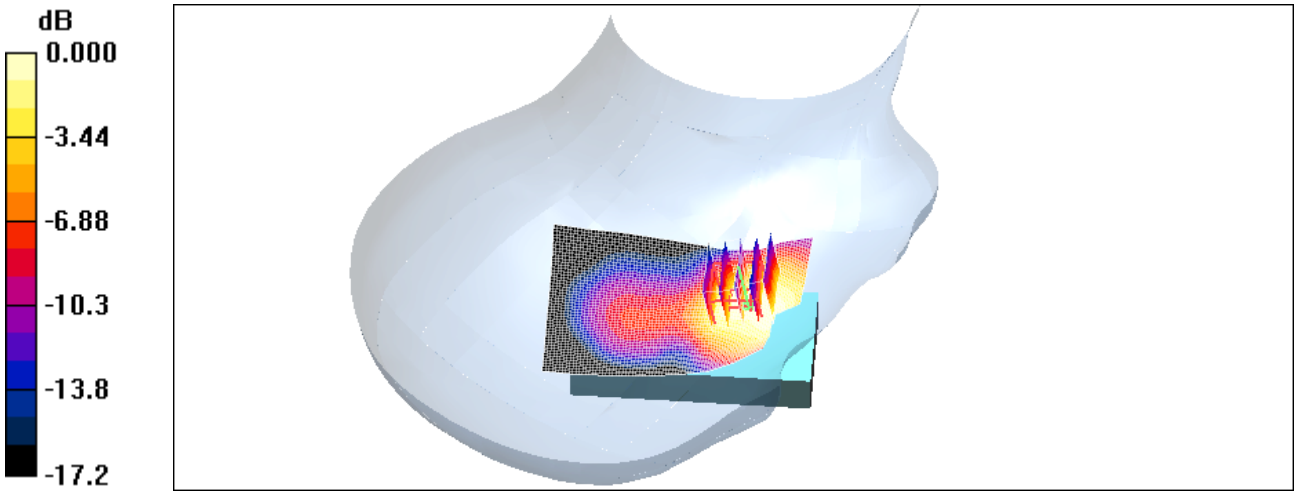
DUT: BlackBerry Smartphone; Type: Sample ; Serial: 21D09DED
Program Name: Compliance Testing: P1528 Protocol (Right-Hand Side)

Communication System: EDGE 1900; Frequency: 1880 MHz;Duty Cycle: 1:4.2
Medium parameters used: f = 1880 MHz; σ = 1.41 mho/m; ε_r = 40.9; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1644; ConvF(5.17, 5.17, 5.17); Calibrated: 11/11/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Touch position -/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.546 mW/g

Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 6.15 V/m; Power Drift = -0.156 dB
Peak SAR (extrapolated) = 0.680 W/kg
SAR(1 g) = 0.477 mW/g; SAR(10 g) = 0.273 mW/g
Maximum value of SAR (measured) = 0.521 mW/g



0 dB = 0.521mW/g

Date/Time: 11/02/2010 11:37:07 PM

Test Laboratory: RIM TESTING SERVICES
File Name: RightHandSide_GSM1900_mid_chan_Amb_Tem_23.3_Liq_Tem_21.9C.da4

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 21D09DED
Program Name: Compliance Testing: P1528 Protocol (Right-Hand Side)

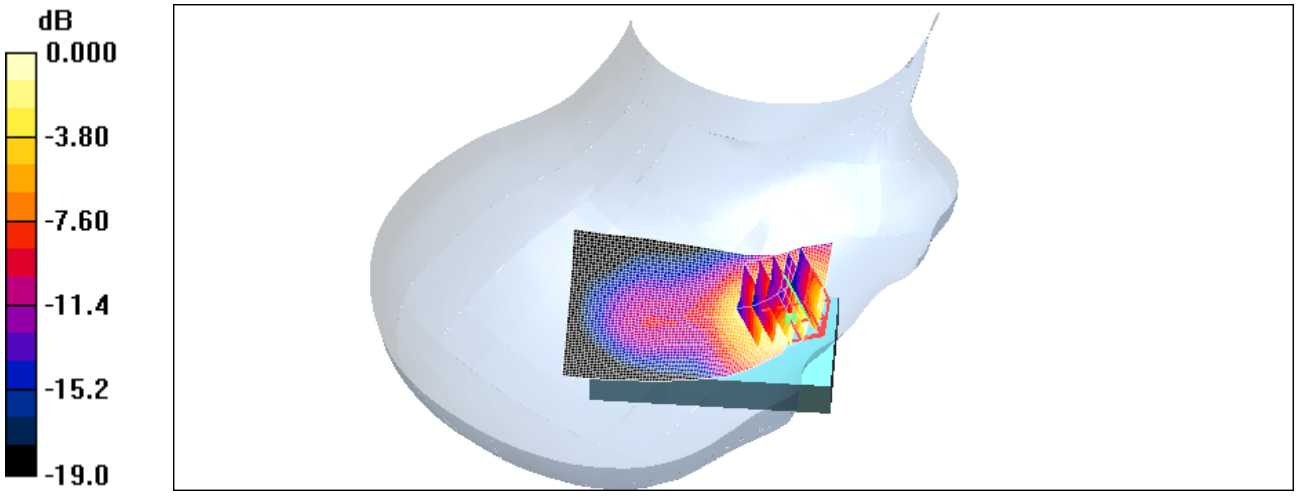
Communication System: GSM 1900; Frequency: 1880 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 1880 MHz; σ = 1.41 mho/m; ε_r = 40.9; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1644; ConvF(5.17, 5.17, 5.17); Calibrated: 11/11/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Touch position -/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.484 mW/g

Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 5.31 V/m; Power Drift = 0.149 dB
Peak SAR (extrapolated) = 0.864 W/kg
SAR(1 g) = 0.482 mW/g; SAR(10 g) = 0.250 mW/g

Maximum value of SAR (measured) = 0.581 mW/g



0 dB = 0.581mW/g

Date/Time: 11/02/2010 11:13:29 PM

Test Laboratory: RIM TESTING SERVICES
File Name:
RightHandSide_Tilt_EDGE1900_mid_chan_Amb_Tem_23.3_Liq_Tem_21.9C.da4

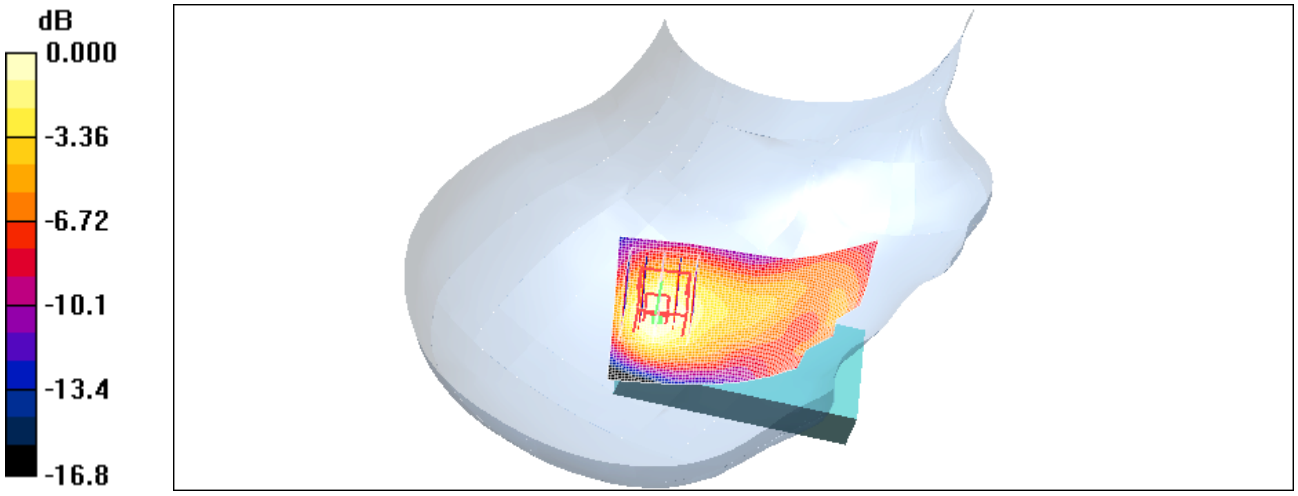
DUT: BlackBerry Smartphone; Type: Sample ; Serial: 21D09DED
Program Name: Compliance Testing: P1528 Protocol (Right-Hand Side)

Communication System: EDGE 1900; Frequency: 1880 MHz;Duty Cycle: 1:4.2
Medium parameters used: f = 1880 MHz; σ = 1.41 mho/m; ε_r = 40.9; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1644; ConvF(5.17, 5.17, 5.17); Calibrated: 11/11/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 03/03/2009
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Touch position -/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.175 mW/g

Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 11.3 V/m; Power Drift = -0.089 dB
Peak SAR (extrapolated) = 0.219 W/kg
SAR(1 g) = 0.148 mW/g; SAR(10 g) = 0.089 mW/g
Maximum value of SAR (measured) = 0.164 mW/g



0 dB = 0.164mW/g

Date/Time: 2/24/2010 4:43:24 PM

Test Laboratory: RIM TESTING SERVICES
File Name:
LeftHandSide_UMTS_band_II_mid_chan_Amb_Tem_23.1_Liq_Tem_21.3_C.da4

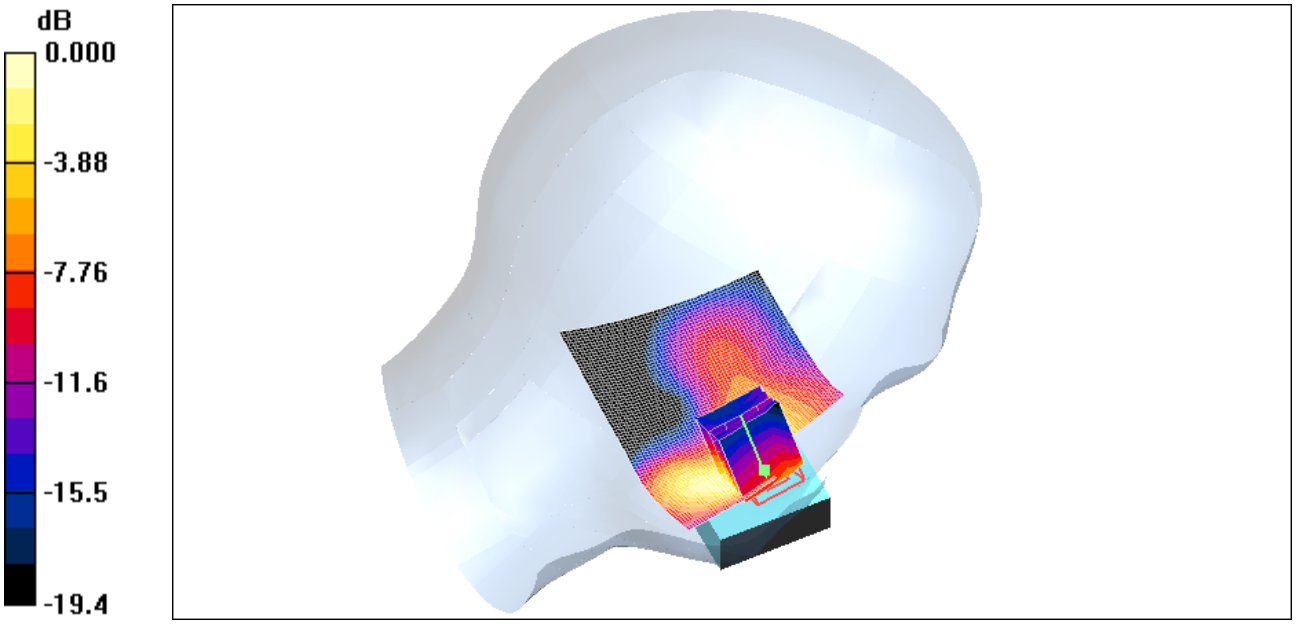
DUT: BlackBerry Smartphone; Type: Sample ; Serial: 21D09DED
Program Name: Compliance Testing: P1528 Protocol (Left-Hand Side)

Communication System: WCDMA FDD II; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.42 mho/m; ε_r = 38.8; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1643; ConvF(5.17, 5.17, 5.17); Calibrated: 3/10/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/3/2009
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Touch position -/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.599 mW/g

Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 4.67 V/m; Power Drift = -0.173 dB
Peak SAR (extrapolated) = 1.16 W/kg
SAR(1 g) = 0.618 mW/g; SAR(10 g) = 0.300 mW/g
Maximum value of SAR (measured) = 0.659 mW/g



0 dB = 0.659mW/g

Date/Time: 2/24/2010 5:02:06 PM

Test Laboratory: RIM TESTING SERVICES
File Name:
LeftHandSide_Tilt_UMTS_band_II_mid_chan_Amb_Tem_22.9_Liq_Tem_21.2_C.da4

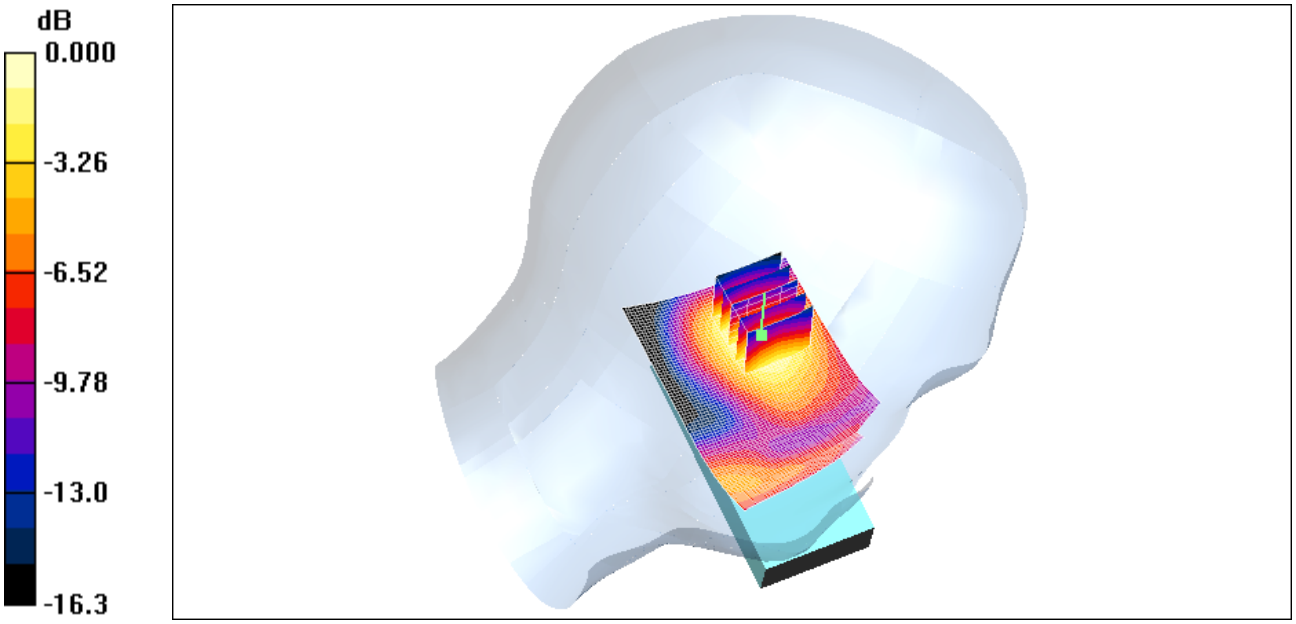
DUT: BlackBerry Smartphone; Type: Sample ; Serial: 21D09DED
Program Name: Compliance Testing: P1528 Protocol (Left-Hand Side)

Communication System: WCDMA FDD II; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.42 mho/m; ε_r = 38.8; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1643; ConvF(5.17, 5.17, 5.17); Calibrated: 3/10/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/3/2009
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Touch position -/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.211 mW/g

Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 10.2 V/m; Power Drift = 0.049 dB
Peak SAR (extrapolated) = 0.286 W/kg
SAR(1 g) = 0.197 mW/g; SAR(10 g) = 0.119 mW/g
Maximum value of SAR (measured) = 0.212 mW/g



0 dB = 0.212mW/g

Date/Time: 2/24/2010 5:16:30 PM

Test Laboratory: RIM TESTING SERVICES
File Name:
RightHandSide_UMTS_band_II_mid_chan_Amb_Tem_22.9_Liq_Tem_21.2C.da4

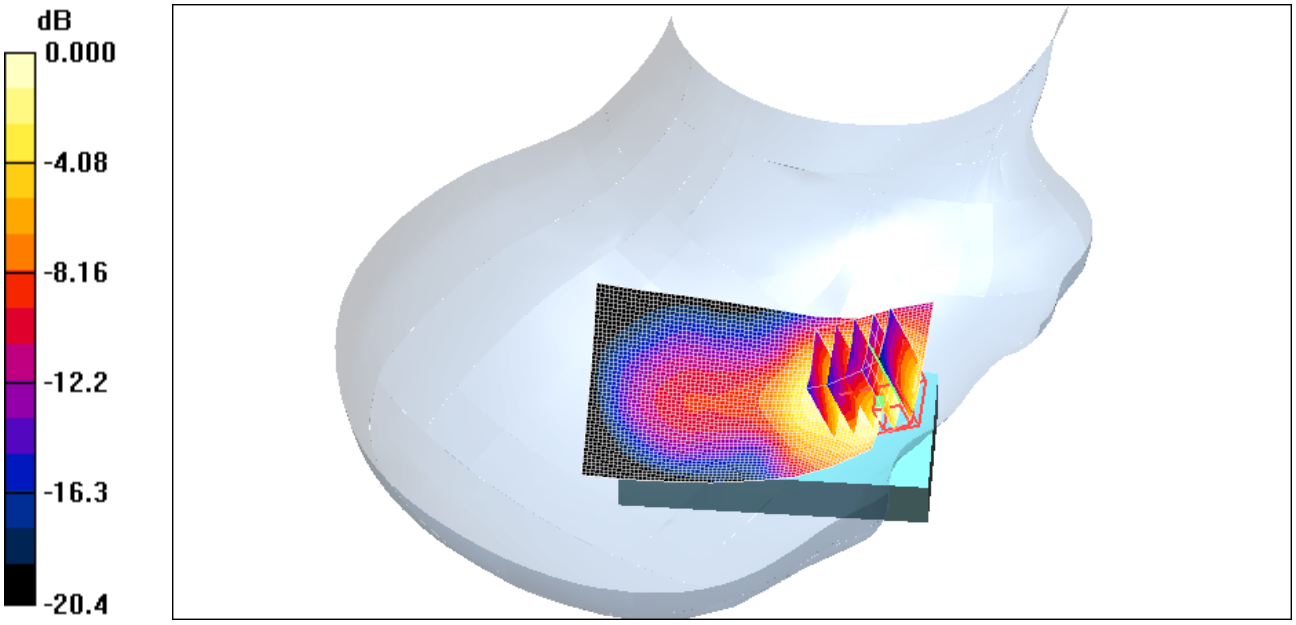
DUT: BlackBerry Smartphone; Type: Sample ; Serial: 21D09DED
Program Name: Compliance Testing: P1528 Protocol (Right-Hand Side)

Communication System: WCDMA FDD II; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.42 mho/m; ε_r = 38.8; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1643; ConvF(5.17, 5.17, 5.17); Calibrated: 3/10/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/3/2009
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Touch position -/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.753 mW/g

Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 6.84 V/m; Power Drift = -0.476 dB
Peak SAR (extrapolated) = 1.12 W/kg
SAR(1 g) = 0.641 mW/g; SAR(10 g) = 0.315 mW/g
Maximum value of SAR (measured) = 0.739 mW/g



0 dB = 0.739mW/g

Date/Time: 2/24/2010 5:30:14 PM

Test Laboratory: RIM TESTING SERVICES
File Name:
RightHandSide_Tilt_UMTS_band_II_mid_chan_Amb_Tem_22.7_Liq_Tem_21.1C.da4

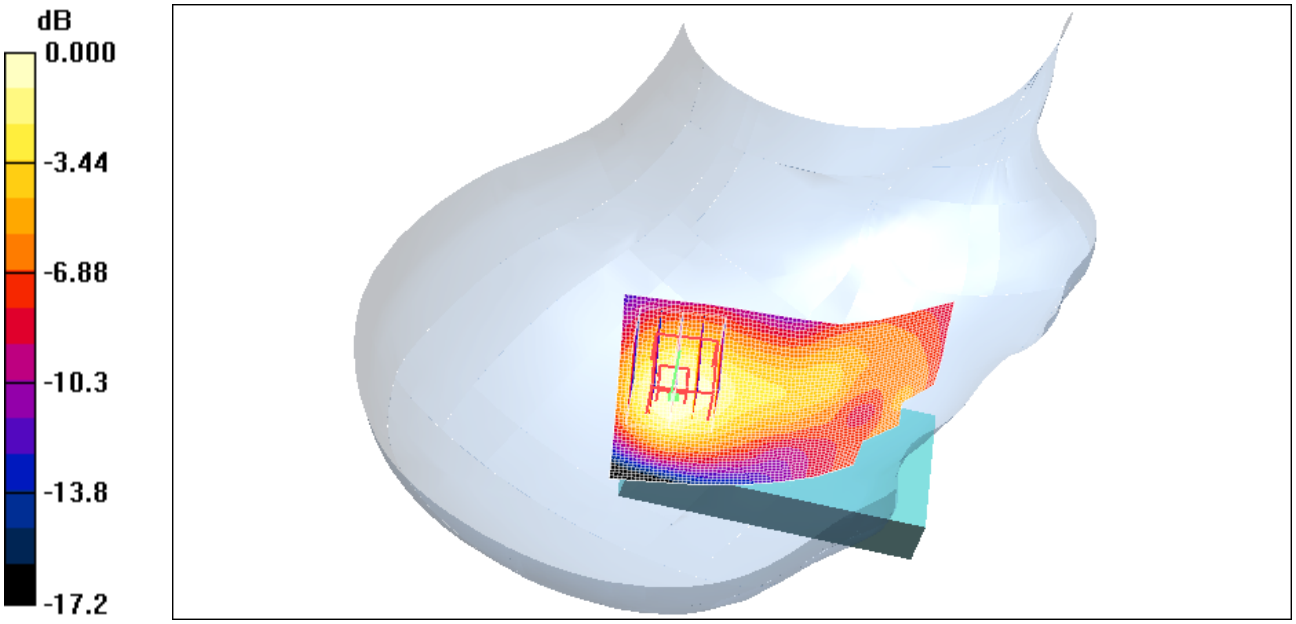
DUT: BlackBerry Smartphone; Type: Sample ; Serial: 21D09DED
Program Name: Compliance Testing: P1528 Protocol (Right-Hand Side)

Communication System: WCDMA FDD II; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.42 mho/m; ε_r = 38.8; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1643; ConvF(5.17, 5.17, 5.17); Calibrated: 3/10/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/3/2009
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Touch position -/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.208 mW/g

Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 11.5 V/m; Power Drift = 0.410 dB
Peak SAR (extrapolated) = 0.252 W/kg
SAR(1 g) = 0.177 mW/g; SAR(10 g) = 0.107 mW/g
Maximum value of SAR (measured) = 0.195 mW/g



0 dB = 0.195mW/g

Date/Time: 3/3/2010 6:00:12 PM

Test Laboratory: RIM TESTING SERVICES
File Name: LeftHandSide_802.11b_low_chan_Amb_Tem_23.3_Liq_Tem_21.1_C.da4

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 21D09DED
Program Name: Compliance Testing: P1528 Protocol (Left-Hand Side)

Communication System: 802.11 b (2450); Frequency: 2412 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 2412 MHz; σ = 1.84 mho/m; ε_r = 38; ρ = 1000 kg/m^3
Phantom section: Left Section

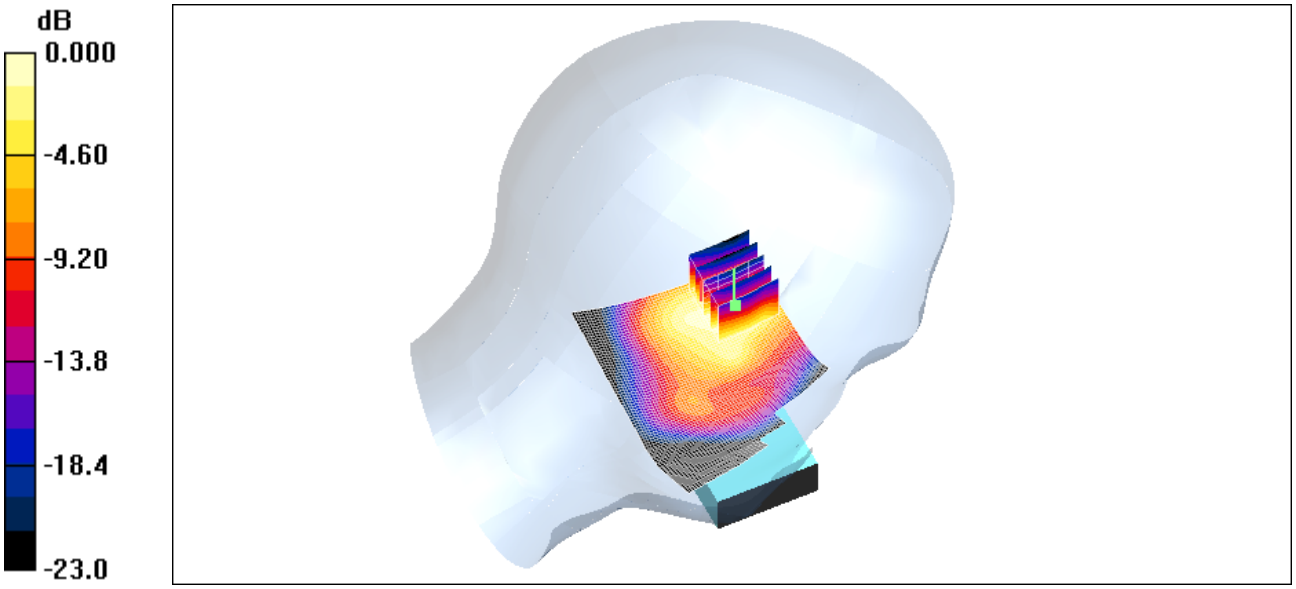
DASY4 Configuration:
- Probe: ET3DV6 - SN1644; ConvF(4.5, 4.5, 4.5); Calibrated: 11/11/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/4/2010
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Touch position -/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.573 mW/g

Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 12.8 V/m; Power Drift = -0.162 dB
Peak SAR (extrapolated) = 1.29 W/kg
SAR(1 g) = 0.471 mW/g; SAR(10 g) = 0.219 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.511 mW/g



0 dB = 0.511mW/g

Date/Time: 3/3/2010 6:22:29 PM

Test Laboratory: RIM TESTING SERVICES
File Name:
LeftHandSide_Tilt_802.11b_low_chan_Amb_Tem_23.1_Liq_Tem_21.1_C.da4

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 21D09DED
Program Name: Compliance Testing: P1528 Protocol (Left-Hand Side)

Communication System: 802.11 b (2450); Frequency: 2412 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 2412 MHz; σ = 1.84 mho/m; ε_r = 38; ρ = 1000 kg/m^3
Phantom section: Left Section

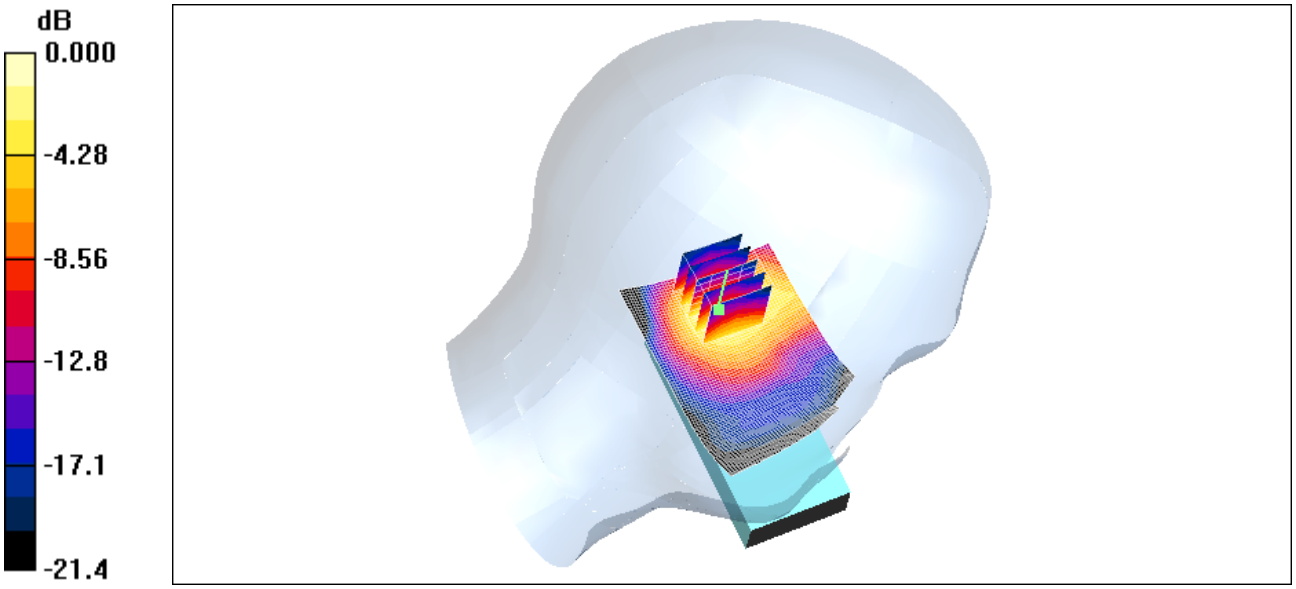
DASY4 Configuration:
- Probe: ET3DV6 - SN1644; ConvF(4.5, 4.5, 4.5); Calibrated: 11/11/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/4/2010
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Touch position -/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.399 mW/g

Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 15.3 V/m; Power Drift = -0.117 dB
Peak SAR (extrapolated) = 0.718 W/kg
SAR(1 g) = 0.379 mW/g; SAR(10 g) = 0.191 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.425 mW/g



0 dB = 0.425mW/g

Date/Time: 3/3/2010 6:42:01 PM

Test Laboratory: RIM TESTING SERVICES
File Name: RightHandSide_802.11b_low_chan_Amb_Tem_23.1_Liq_Tem_21.0C.da4

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 21D09DED
Program Name: Compliance Testing: P1528 Protocol (Right-Hand Side)

Communication System: 802.11 b (2450); Frequency: 2412 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 2412 MHz; σ = 1.84 mho/m; ε_r = 38; ρ = 1000 kg/m^3
Phantom section: Right Section

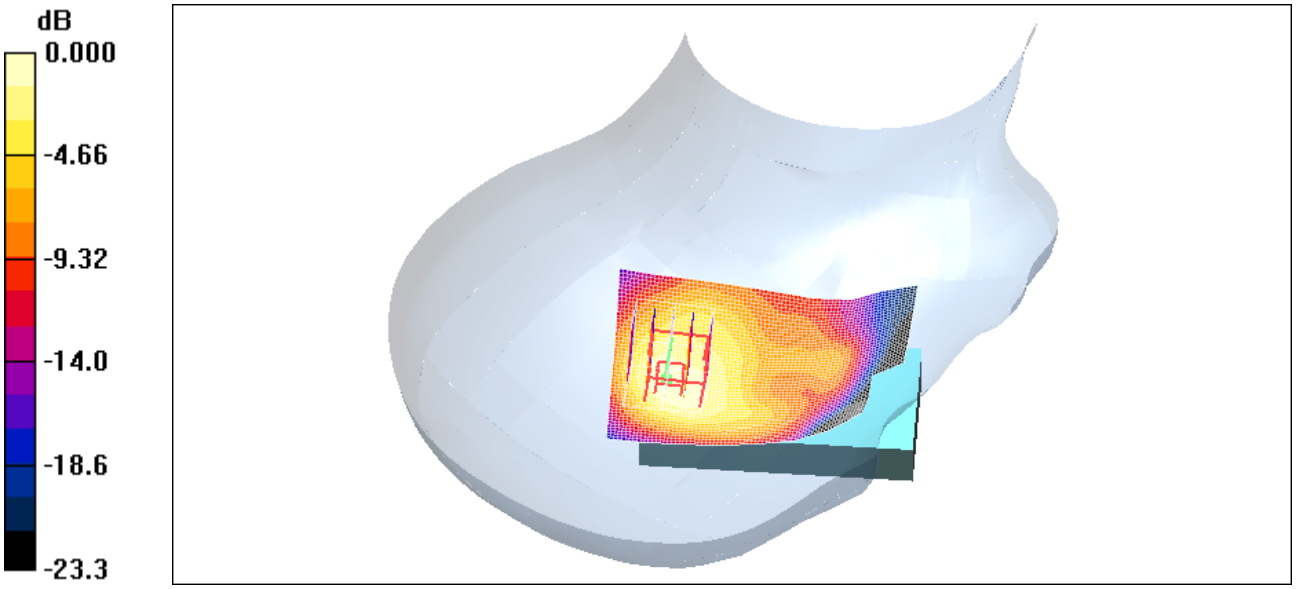
DASY4 Configuration:
- Probe: ET3DV6 - SN1644; ConvF(4.5, 4.5, 4.5); Calibrated: 11/11/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/4/2010
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Touch position -/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.409 mW/g

Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 15.0 V/m; Power Drift = 0.014 dB
Peak SAR (extrapolated) = 0.656 W/kg
SAR(1 g) = 0.373 mW/g; SAR(10 g) = 0.199 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.406 mW/g



0 dB = 0.406mW/g

Date/Time: 3/3/2010 7:02:46 PM

Test Laboratory: RIM TESTING SERVICES
File Name:
RightHandSide_Tilt_802.11b_low_chan_Amb_Tem_23.2_Liq_Tem_21.0C.da4

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 21D09DED
Program Name: Compliance Testing: P1528 Protocol (Right-Hand Side)

Communication System: 802.11 b (2450); Frequency: 2412 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 2412 MHz; σ = 1.84 mho/m; ε_r = 38; ρ = 1000 kg/m^3
Phantom section: Right Section

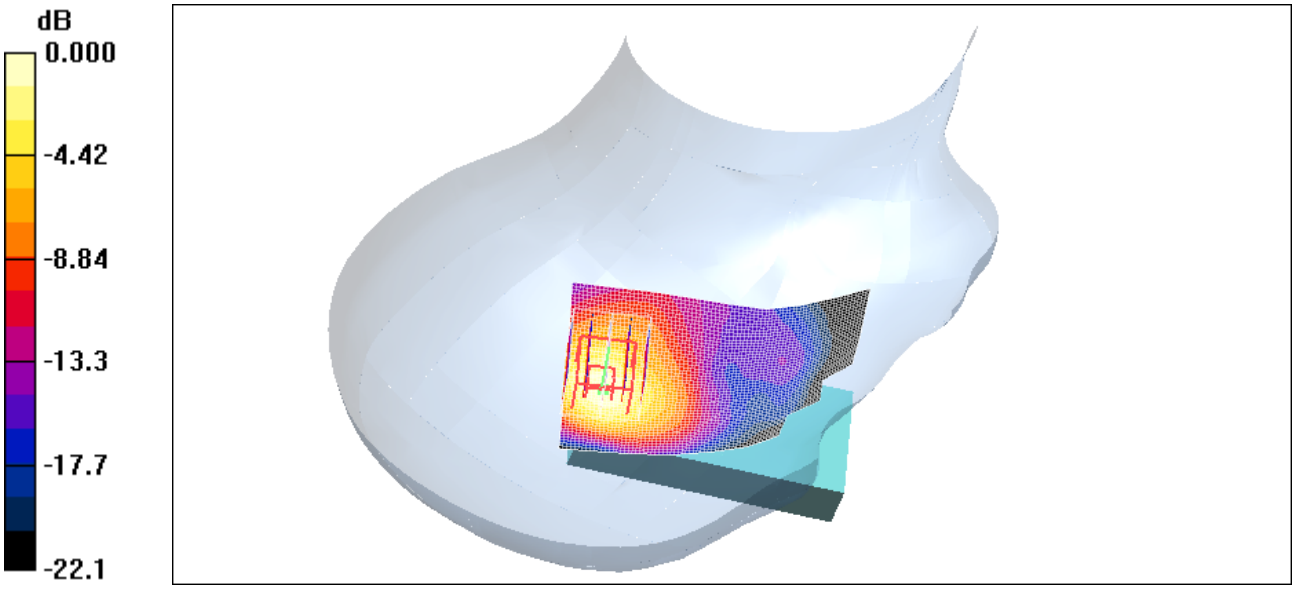
DASY4 Configuration:
- Probe: ET3DV6 - SN1644; ConvF(4.5, 4.5, 4.5); Calibrated: 11/11/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/4/2010
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Touch position -/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.444 mW/g

Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 15.1 V/m; Power Drift = -0.156 dB
Peak SAR (extrapolated) = 0.780 W/kg
SAR(1 g) = 0.392 mW/g; SAR(10 g) = 0.194 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.434 mW/g



0 dB = 0.434mW/g

Z axis plot for the worst case head configuration: