APPENDIX C: SAR DISTRIBUTION PLOTS FOR BODY-WORN CONFIGURATION

Date/Time: 1/28/2011 10:26:19 AM

Test Laboratory: RIM Testing Services

Vertical_Holster_Back_GPRS850_mid_chan_amb_temp_23.8C_liq_temp_22.6C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 329A77DF

Communication System: GPRS 850; Frequency: 836.8 MHz;Duty Cycle: 1:4.2
Medium parameters used (interpolated): f = 836.8 MHz; σ = 0.961 mho/m; ε_r = 52.5; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:

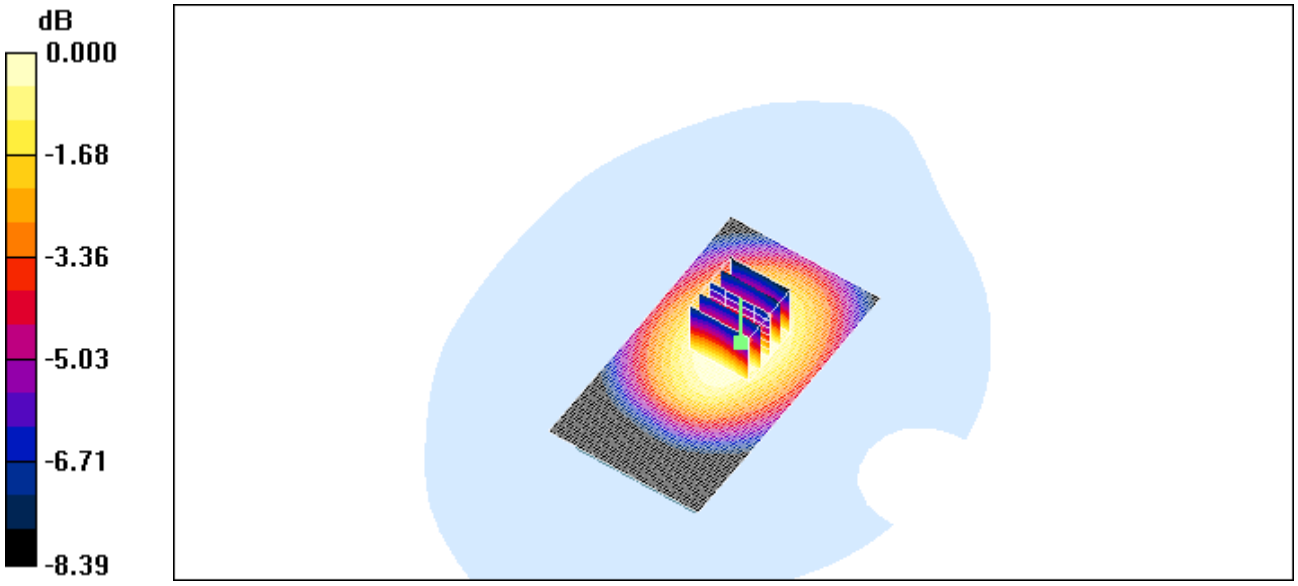
- Probe: ET3DV6 - SN1643; ConvF(5.93, 5.93, 5.93); Calibrated: 3/9/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 5/17/2010
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Body/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.664 mW/g

Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 26.4 V/m; Power Drift = -0.359 dB
Peak SAR (extrapolated) = 0.719 W/kg
SAR(1 g) = 0.589 mW/g; SAR(10 g) = 0.440 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.626 mW/g



0 dB = 0.626mW/g

Date/Time: 4/21/2011 11:46:12 AM, Date/Time: 4/21/2011 11:53:22 AM

Test Laboratory: RIM Testing Services

Vertical_Holster_Front_GPRS850_mid_chan_amb_temp_23.3_liq_temp_22.2C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32DF5ED2

Communication System: GPRS 850; Frequency: 836.8 MHz;Communication System PAR: 6.232 dB
Medium parameters used (interpolated): f = 836.8 MHz; σ = 0.976 mho/m; ε_r = 53.625; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

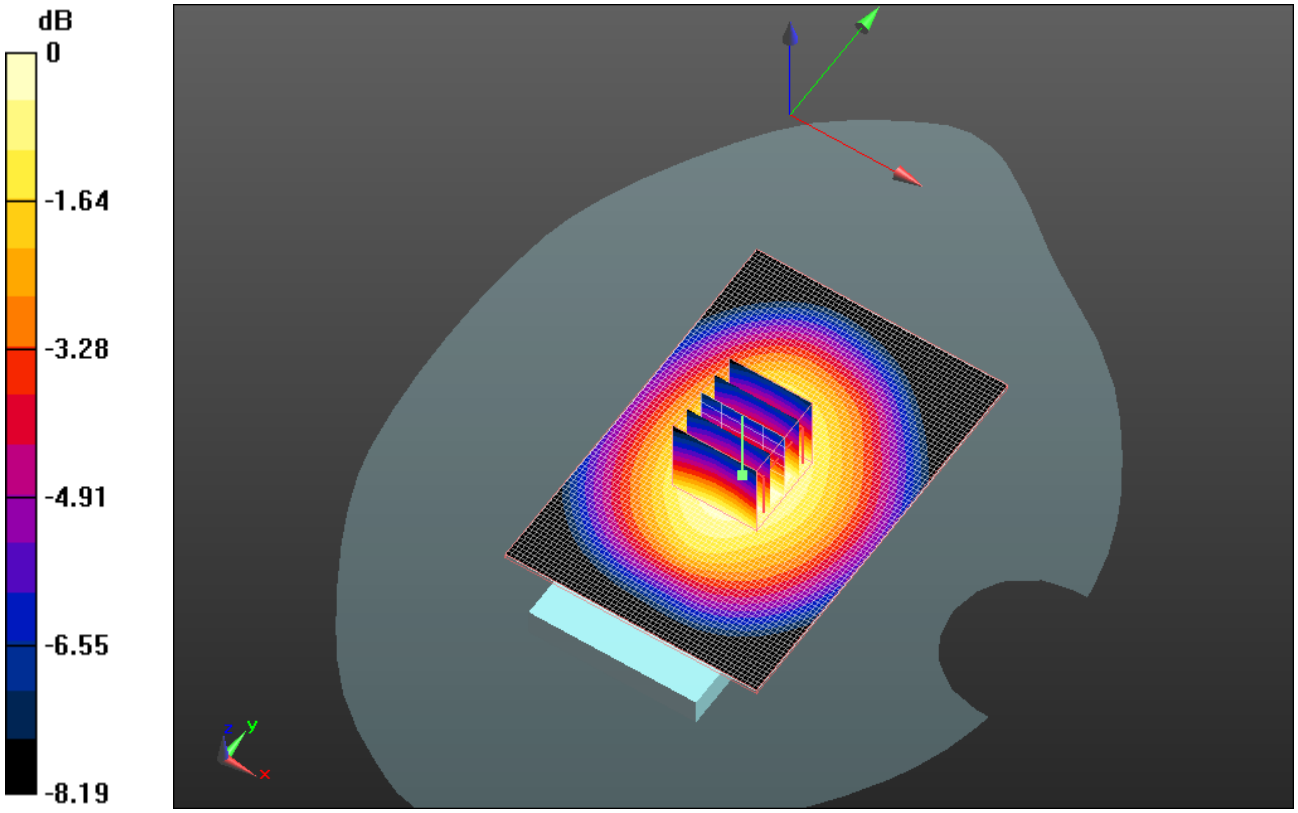
- Probe: ES3DV3 - SN3225; ConvF(6.3, 6.3, 6.3); Calibrated: 1/13/2011
  - Modulation Compensation: Not calibrated
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Configuration/Touch position -/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm

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

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 20.938 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 0.517 W/kg
SAR(1 g) = 0.409 mW/g; SAR(10 g) = 0.308 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.426 mW/g



0 dB = 0.430mW/g

Date/Time: 4/21/2011 12:10:47 PM, Date/Time: 4/21/2011 12:17:59 PM

Test Laboratory: RIM Testing Services

25mm_Spacer_Back_GPRS850_mid_chan_amb_temp_23.3_liq_temp_22.1C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32DF5ED2

Communication System: GPRS 850; Frequency: 836.8 MHz;Communication System PAR: 6.232 dB
Medium parameters used (interpolated): f = 836.8 MHz; σ = 0.976 mho/m; ε_r = 53.625; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

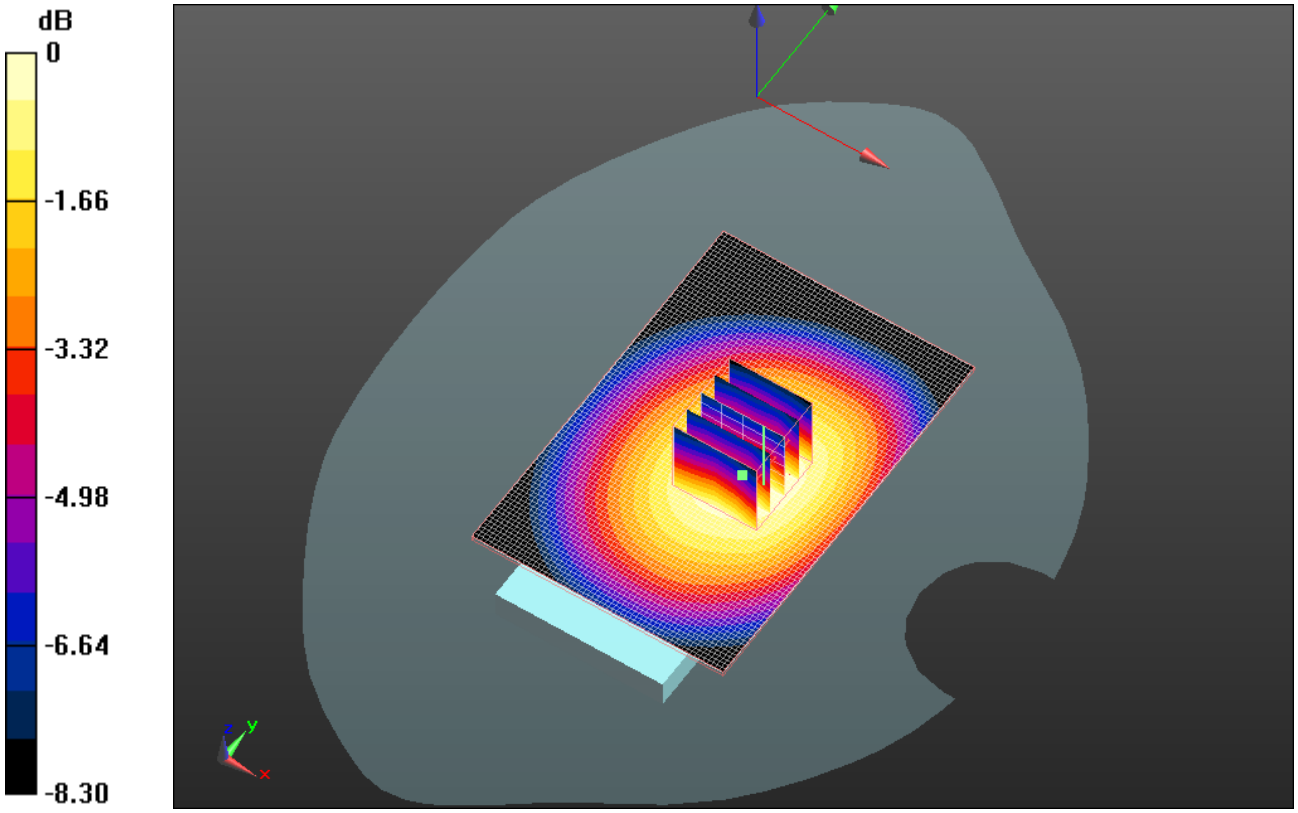
- Probe: ES3DV3 - SN3225; ConvF(6.3, 6.3, 6.3); Calibrated: 1/13/2011
  - Modulation Compensation: Not calibrated
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Configuration/Touch position -/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.364 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 19.483 V/m; Power Drift = -0.40 dB
Peak SAR (extrapolated) = 0.446 W/kg
SAR(1 g) = 0.342 mW/g; SAR(10 g) = 0.252 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.366 mW/g



0 dB = 0.370mW/g

Date/Time: 4/21/2011 2:03:32 PM, Date/Time: 4/21/2011 2:10:37 PM

Test Laboratory: RIM Testing Services

Vertical_Holster_Headset_Back_GPRS850_mid_chan_amb_temp_23.5_liq_temp_22.4C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32DF5ED2

Communication System: GPRS 850; Frequency: 836.8 MHz;Communication System PAR: 6.232 dB
Medium parameters used (interpolated): f = 836.8 MHz; σ = 0.976 mho/m; ε_r = 53.625; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

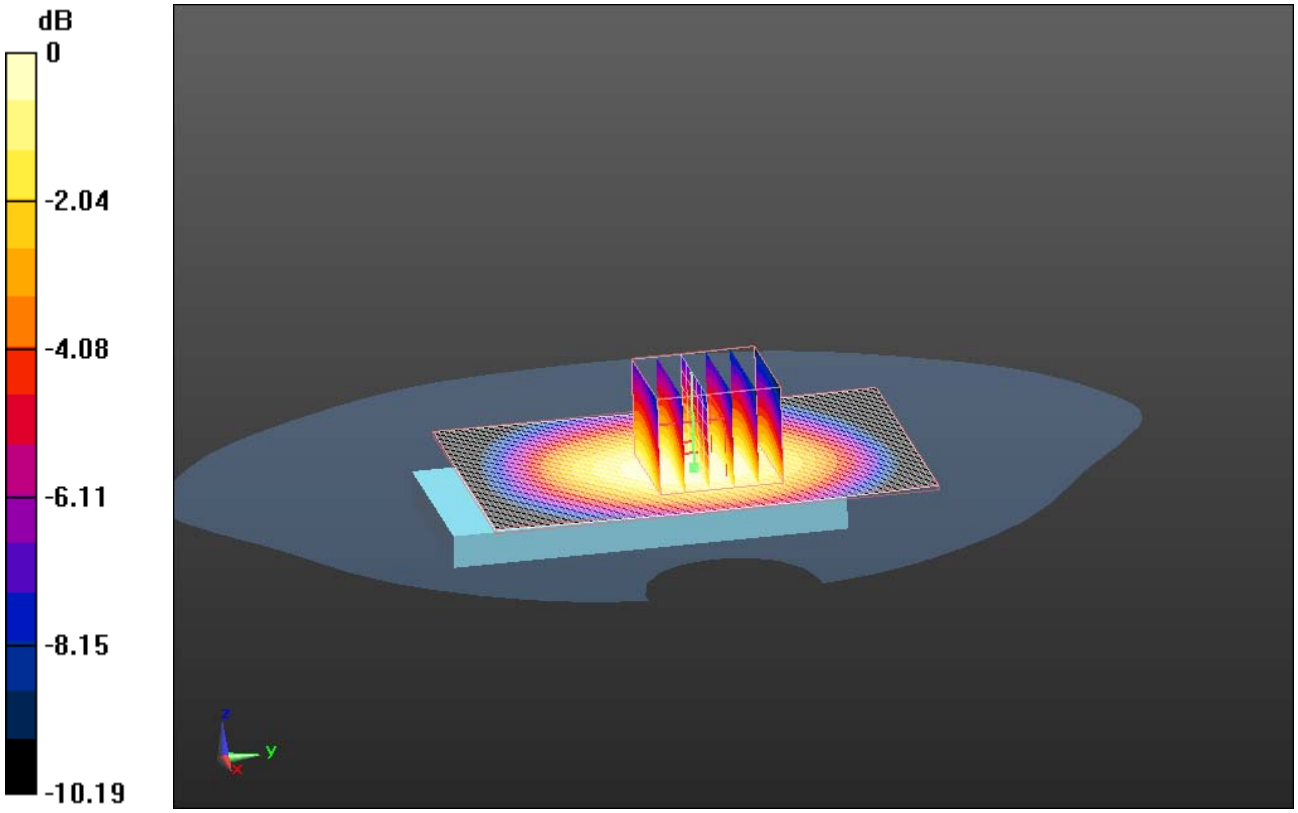
- Probe: ES3DV3 - SN3225; ConvF(6.3, 6.3, 6.3); Calibrated: 1/13/2011
  - Modulation Compensation: Not calibrated
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Configuration/Touch position -/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.471 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 22.018 V/m; Power Drift = -0.23 dB
Peak SAR (extrapolated) = 0.574 W/kg
SAR(1 g) = 0.438 mW/g; SAR(10 g) = 0.323 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.462 mW/g



0 dB = 0.460mW/g

Date/Time: 4/21/2011 12:33:42 PM, Date/Time: 4/21/2011 1:04:51 PM

Test Laboratory: RIM Testing Services

Vertical_Holster_Back_GPRS850_3Slots_mid_chan_amb_temp_23.3_liq_temp_22.1C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32DF5ED2

Communication System: GPRS 850 (3 slots); Frequency: 836.8 MHz;Communication System PAR: 4.472 dB
Medium parameters used (interpolated): f = 836.8 MHz; σ = 0.976 mho/m; ε_r = 53.625; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

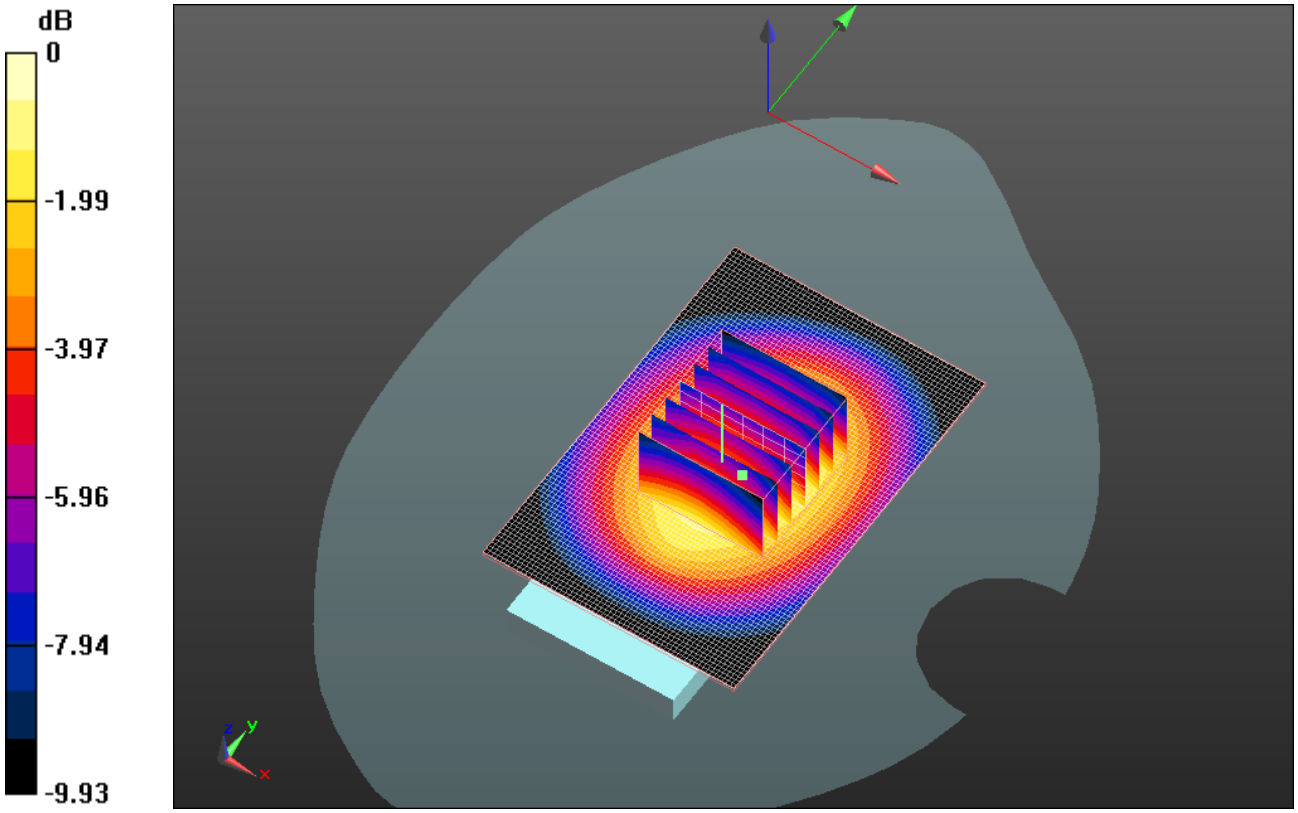
- Probe: ES3DV3 - SN3225; ConvF(6.3, 6.3, 6.3); Calibrated: 1/13/2011
  - Modulation Compensation: Not calibrated
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Configuration/Touch position -/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.532 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (7x7x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 23.317 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 0.668 W/kg
SAR(1 g) = 0.512 mW/g; SAR(10 g) = 0.385 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.547 mW/g



0 dB = 0.550mW/g

Date/Time: 4/21/2011 1:19:29 PM, Date/Time: 4/21/2011 1:44:26 PM

Test Laboratory: RIM Testing Services

Vertical_Holster_Back_GPRS850_4Slots_mid_chan_amb_temp_23.3_liq_temp_22.0C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32DF5ED2

Communication System: GPRS 850 (4 slots); Frequency: 836.8 MHz;Communication System PAR: 3.222 dB
Medium parameters used (interpolated): f = 836.8 MHz; σ = 0.976 mho/m; ε_r = 53.625; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

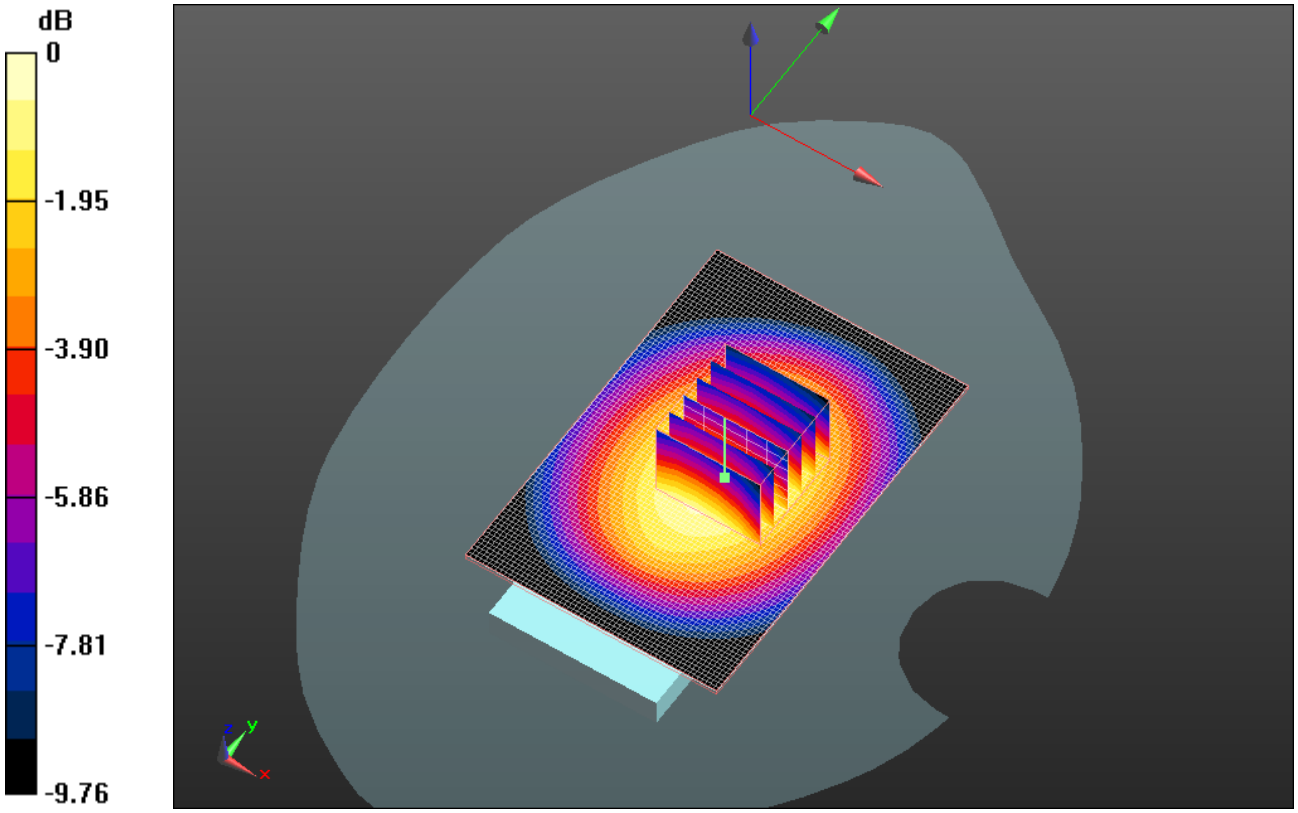
- Probe: ES3DV3 - SN3225; ConvF(6.3, 6.3, 6.3); Calibrated: 1/13/2011
  - Modulation Compensation: Not calibrated
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Configuration/Touch position -/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.498 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 22.635 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 0.638 W/kg
SAR(1 g) = 0.490 mW/g; SAR(10 g) = 0.363 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.519 mW/g



0 dB = 0.520mW/g

Date/Time: 1/28/2011 3:18:35 PM

Test Laboratory: RIM Testing Services

Vertical_Holster_Back_CDMA800_mid_chan_amb_temp_23.2C_liq_temp_22.1C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 329A77DF

Communication System: CDMA 800; Frequency: 836.52 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.52 MHz; σ = 0.961 mho/m; ε_r = 52.5; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:

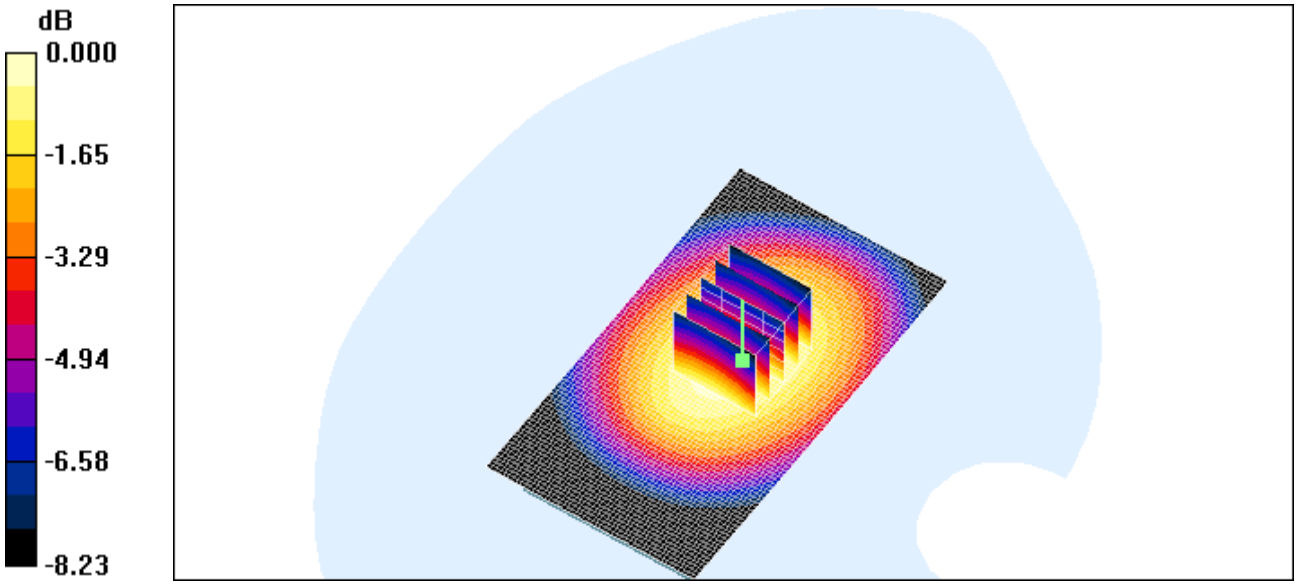
- Probe: ET3DV6 - SN1643; ConvF(5.93, 5.93, 5.93); Calibrated: 3/9/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 5/17/2010
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Body/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.653 mW/g

Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 26.4 V/m; Power Drift = 0.162 dB
Peak SAR (extrapolated) = 0.773 W/kg
SAR(1 g) = 0.624 mW/g; SAR(10 g) = 0.465 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.658 mW/g



0 dB = 0.658mW/g

Date/Time: 4/20/2011 10:23:44 PM, Date/Time: 4/20/2011 10:30:53 PM

Test Laboratory: RIM Testing Services

Vertical_Holster_Front_CDMA800_mid_chan_amb_temp_23.6_liq_temp_22.5C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32DF5ED2

Communication System: CDMA 800; Frequency: 836.52 MHz;Communication System PAR: 0 dB
Medium parameters used (interpolated): f = 836.52 MHz; σ = 0.976 mho/m; ε_r = 53.627; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

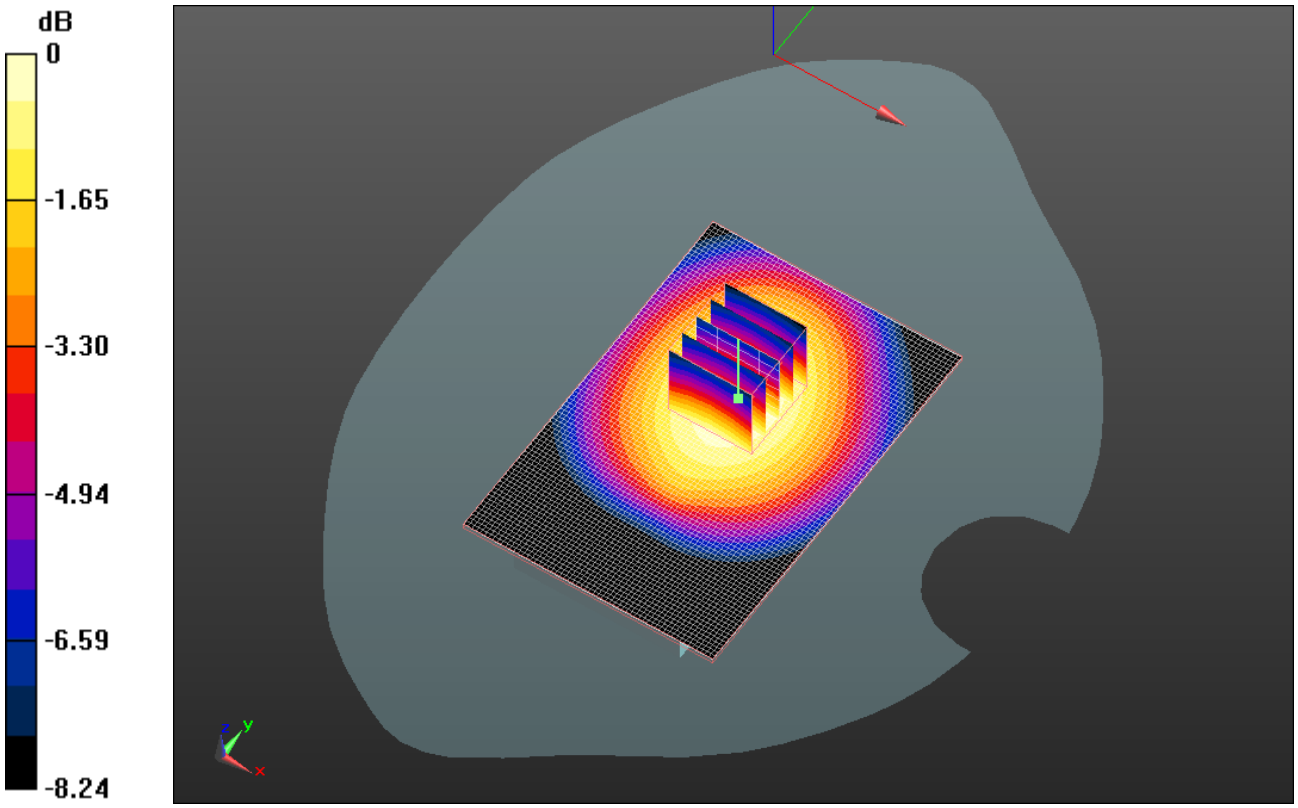
- Probe: ES3DV3 - SN3225; ConvF(6.3, 6.3, 6.3); Calibrated: 1/13/2011
  - Modulation Compensation: Not calibrated
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Configuration/Touch position -/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.521 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 22.874 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.627 W/kg
SAR(1 g) = 0.496 mW/g; SAR(10 g) = 0.371 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.523 mW/g



0 dB = 0.520mW/g

Date/Time: 4/20/2011 10:39:35 PM, Date/Time: 4/20/2011 10:46:40 PM

Test Laboratory: RIM Testing Services

Vertical_Holster_Back_Headset_CDMA800_mid_chan_amb_temp_23.6_liq_temp_22.4C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32DF5ED2

Communication System: CDMA 800; Frequency: 836.52 MHz;Communication System PAR: 0 dB
Medium parameters used (interpolated): f = 836.52 MHz; σ = 0.976 mho/m; ε_r = 53.627; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

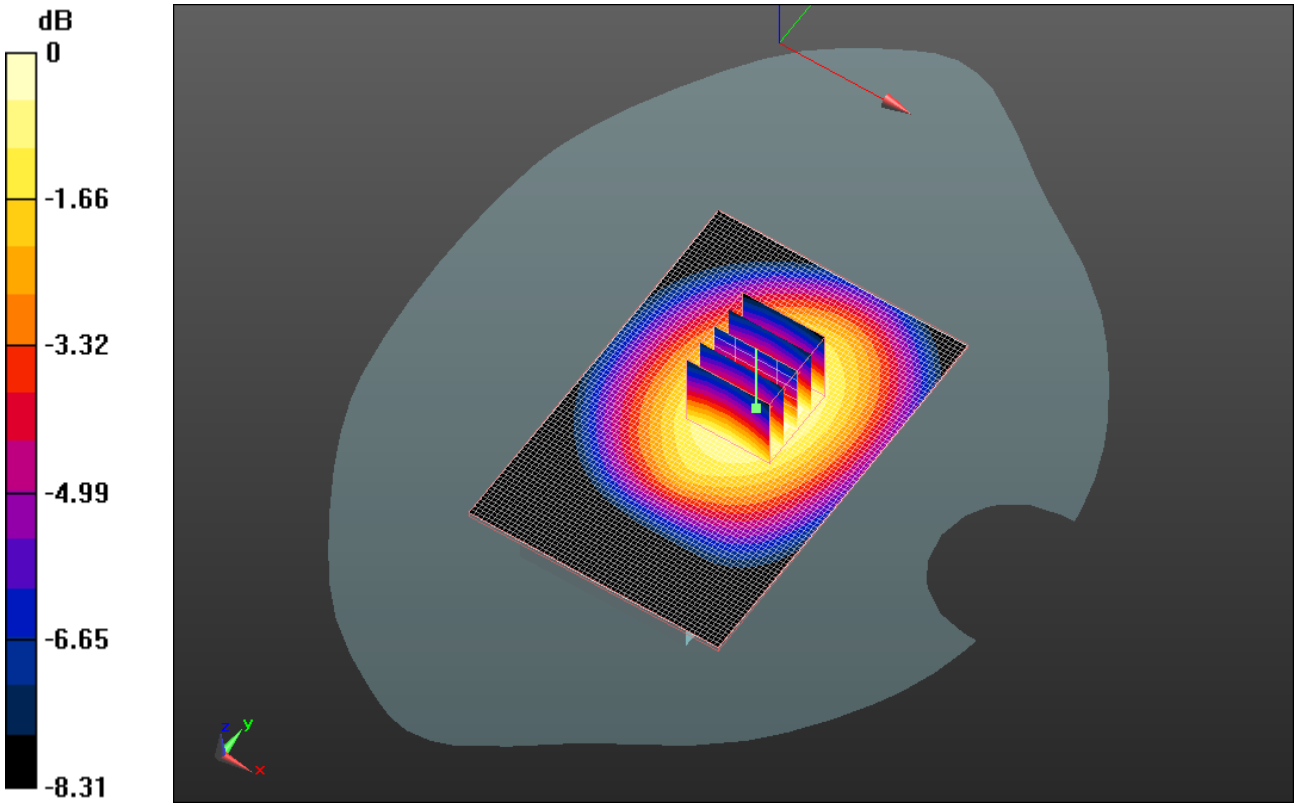
- Probe: ES3DV3 - SN3225; ConvF(6.3, 6.3, 6.3); Calibrated: 1/13/2011
  - Modulation Compensation: Not calibrated
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Configuration/Touch position -/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.471 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 21.916 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.581 W/kg
SAR(1 g) = 0.459 mW/g; SAR(10 g) = 0.341 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.485 mW/g



0 dB = 0.480mW/g

Date/Time: 4/20/2011 10:55:21 PM, Date/Time: 4/20/2011 11:02:30 PM

Test Laboratory: RIM Testing Services

25mm_Spacer_CDMA800_mid_chan_amb_temp_23.5_liq_temp_22.3C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32DF5ED2

Communication System: CDMA 800; Frequency: 836.52 MHz;Communication System PAR: 0 dB
Medium parameters used (interpolated): f = 836.52 MHz; σ = 0.976 mho/m; ε_r = 53.627; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

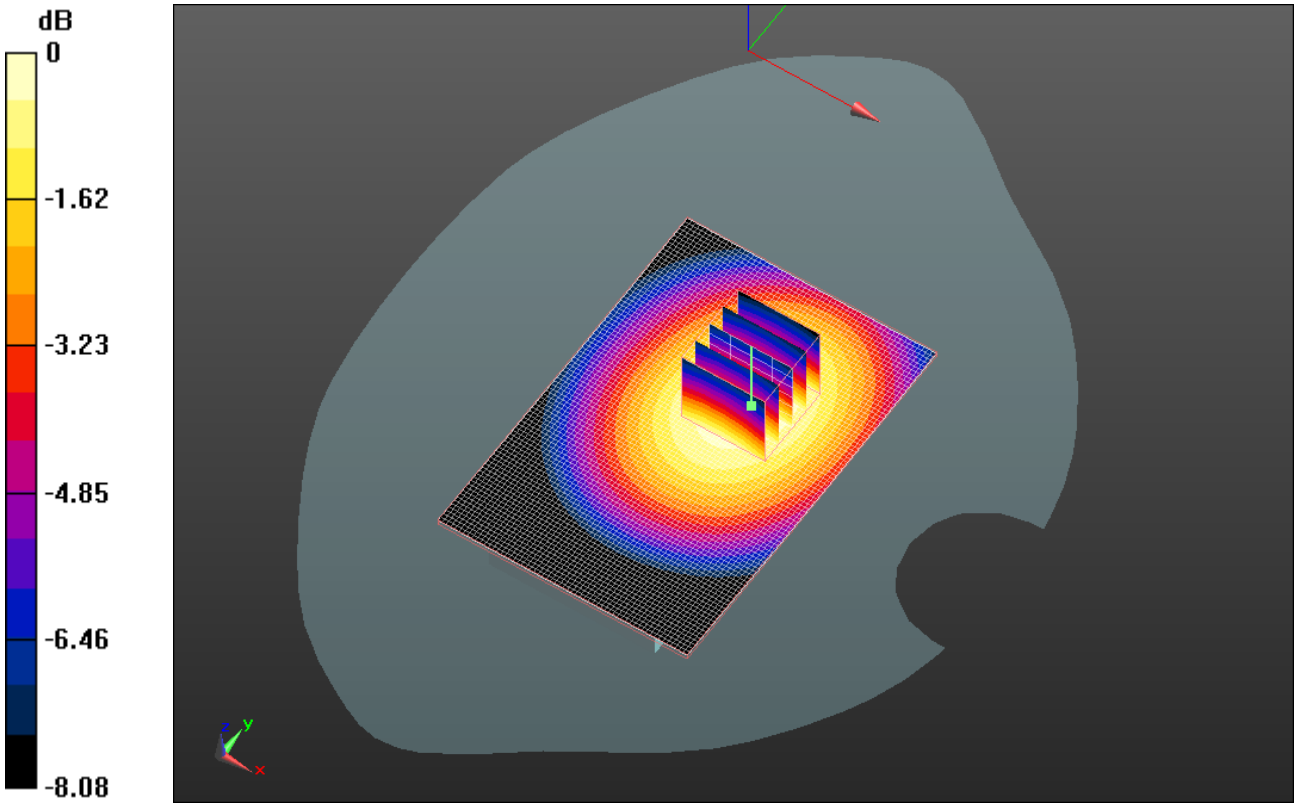
- Probe: ES3DV3 - SN3225; ConvF(6.3, 6.3, 6.3); Calibrated: 1/13/2011
  - Modulation Compensation: Not calibrated
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Configuration/Touch position -/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.431 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 20.270 V/m; Power Drift = 0.18 dB
Peak SAR (extrapolated) = 0.525 W/kg
SAR(1 g) = 0.406 mW/g; SAR(10 g) = 0.302 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.429 mW/g



0 dB = 0.430mW/g

Date/Time: 1/20/2011 4:00:22 PM

Test Laboratory: RIM Testing Services

Vertical_Holster_Back_CDMA1900_mid_chan_amb_temp_23.0C_liq_temp_21.8C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 329A77DF

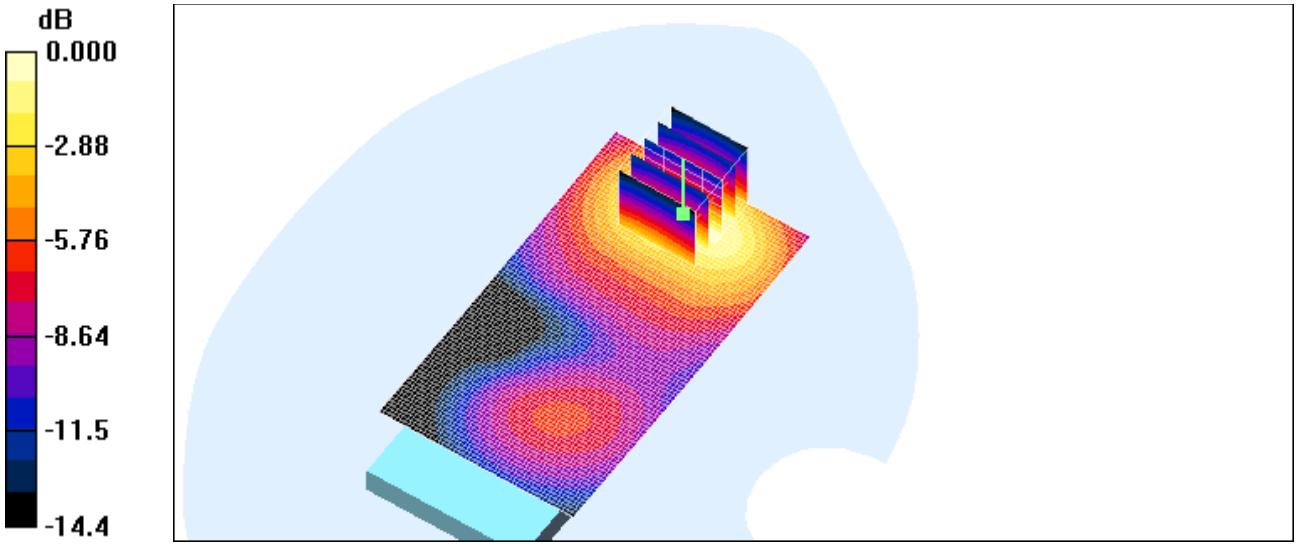
Communication System: CDMA 1900; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.47 mho/m; ε_r = 51.7; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1644; ConvF(4.59, 4.59, 4.59); Calibrated: 11/16/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 5/17/2010
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Body/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.666 mW/g

Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 7.01 V/m; Power Drift = 0.166 dB
Peak SAR (extrapolated) = 1.07 W/kg
SAR(1 g) = 0.629 mW/g; SAR(10 g) = 0.374 mW/g
Maximum value of SAR (measured) = 0.679 mW/g



0 dB = 0.679mW/g

Date/Time: 4/15/2011 2:27:20 PM, Date/Time: 4/15/2011 2:33:13 PM

Test Laboratory: RIM Testing Services

Vertical_Holster_Front_CDMA1900_mid_chan_amb_temp_23.1_liq_temp_22.7C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32DF5ED2

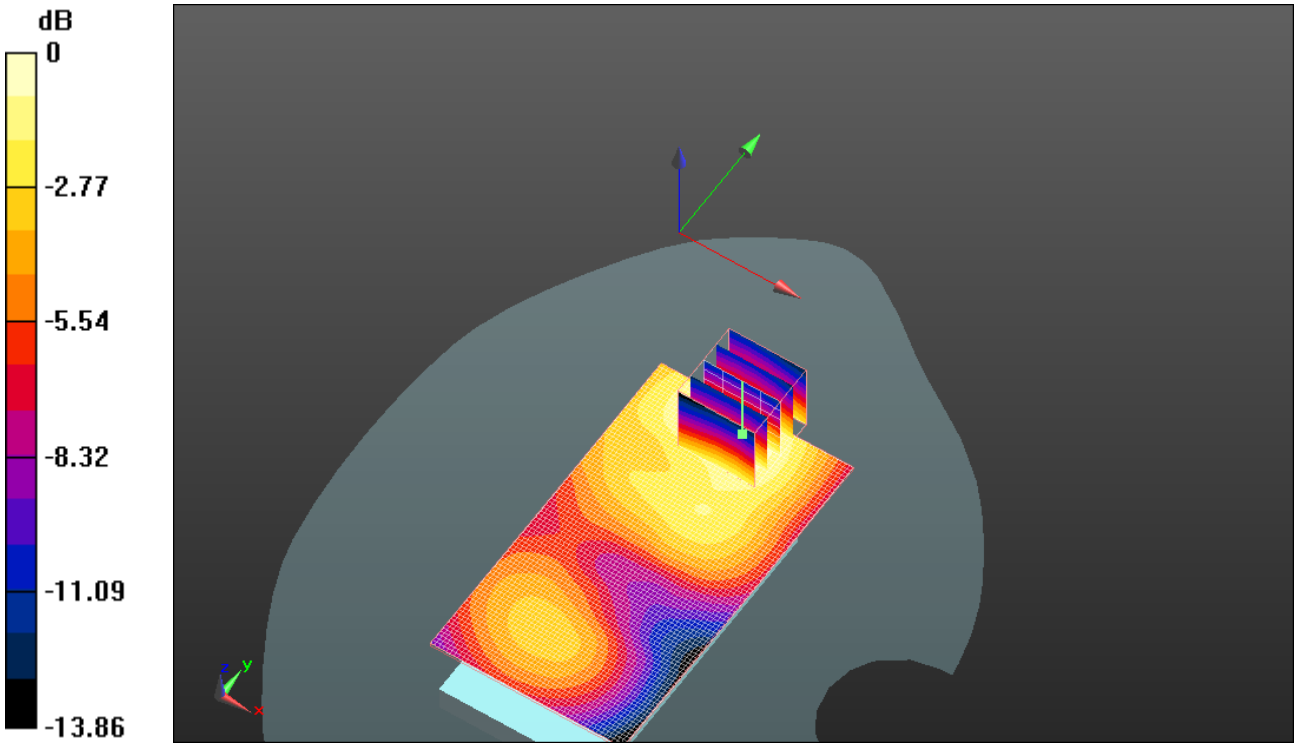
Communication System: CDMA 1900; Frequency: 1880 MHz;Communication System PAR: 0 dB
Medium parameters used: f = 1880 MHz; σ = 1.466 mho/m; ε_r = 50.965; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.88, 4.88, 4.88); Calibrated: 1/13/2011
  - Modulation Compensation: Not calibrated
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Configuration/Touch position -/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.238 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 5.079 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.326 W/kg
SAR(1 g) = 0.224 mW/g; SAR(10 g) = 0.144 mW/g
Maximum value of SAR (measured) = 0.242 mW/g



0 dB = 0.240mW/g

Date/Time: 4/15/2011 2:42:42 PM, Date/Time: 4/15/2011 2:48:37 PM

Test Laboratory: RIM Testing Services

Vertical_Holster_Headset_Back_CDMA1900_mid_chan_amb_temp_23.3_liq_temp_22.5C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32DF5ED2

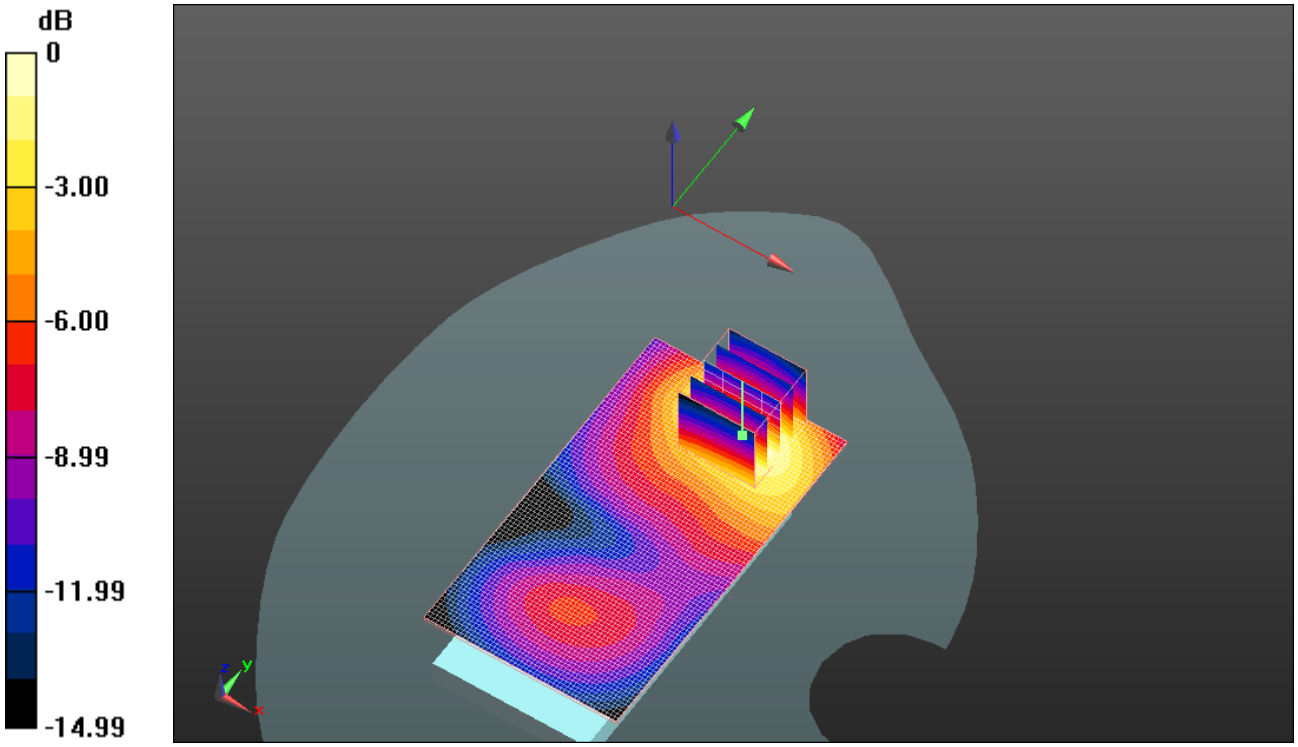
Communication System: CDMA 1900; Frequency: 1880 MHz;Communication System PAR: 0 dB
Medium parameters used: f = 1880 MHz; σ = 1.466 mho/m; ε_r = 50.965; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.88, 4.88, 4.88); Calibrated: 1/13/2011
  - Modulation Compensation: Not calibrated
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Configuration/Touch position -/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.732 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 6.460 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 1.020 W/kg
SAR(1 g) = 0.665 mW/g; SAR(10 g) = 0.397 mW/g
Maximum value of SAR (measured) = 0.733 mW/g



0 dB = 0.730mW/g

Date/Time: 4/15/2011 2:59:50 PM, Date/Time: 4/15/2011 3:05:45 PM

Test Laboratory: RIM Testing Services

25mm_Spacer_Back_CDMA1900_mid_chan_amb_temp_23.3_liq_temp_22.2C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32DF5ED2

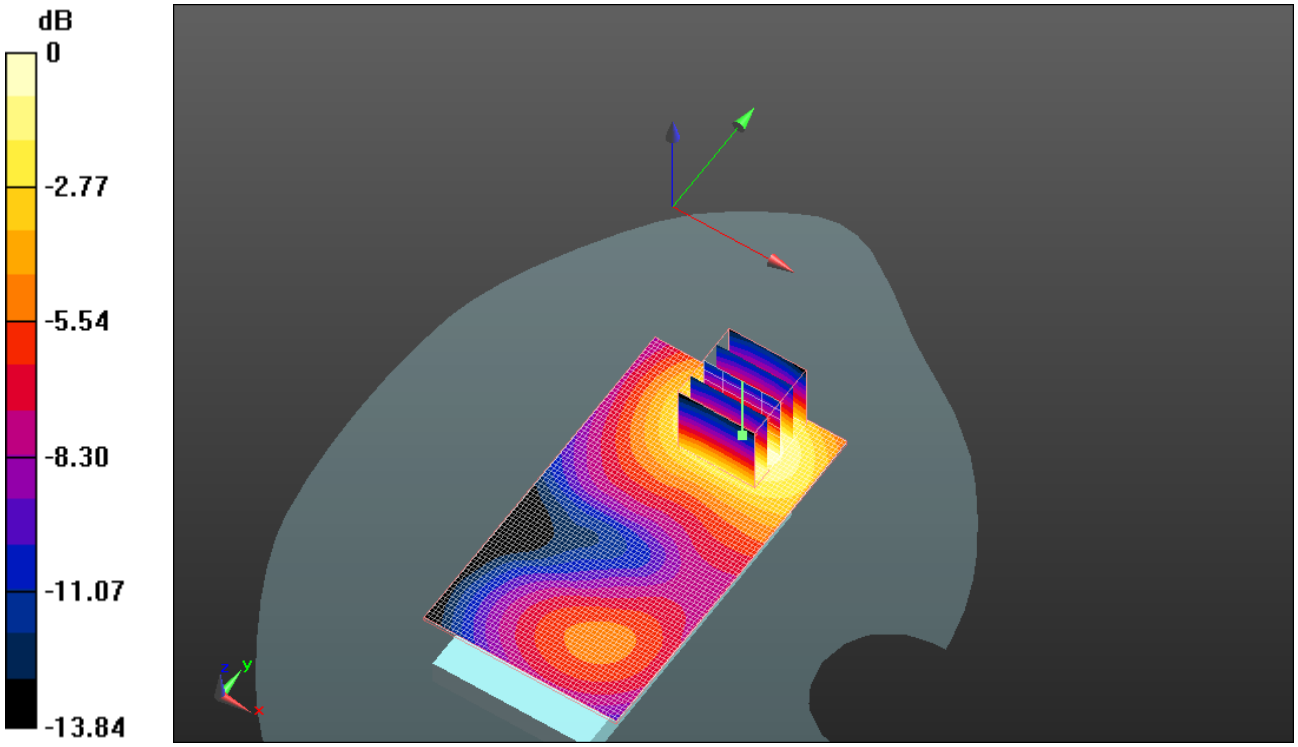
Communication System: CDMA 1900; Frequency: 1880 MHz;Communication System PAR: 0 dB
Medium parameters used: f = 1880 MHz; σ = 1.466 mho/m; ε_r = 50.965; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.88, 4.88, 4.88); Calibrated: 1/13/2011
  - Modulation Compensation: Not calibrated
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Configuration/Touch position -/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.328 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 4.342 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.447 W/kg
SAR(1 g) = 0.304 mW/g; SAR(10 g) = 0.190 mW/g
Maximum value of SAR (measured) = 0.331 mW/g



0 dB = 0.330mW/g

Date/Time: 4/15/2011 3:18:14 PM, Date/Time: 4/15/2011 3:24:10 PM

Test Laboratory: RIM Testing Services

Vertical_Holster_back_GPRS1900_mid_chan_amb_temp_23.4_liq_temp_22.5C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32DF5ED2

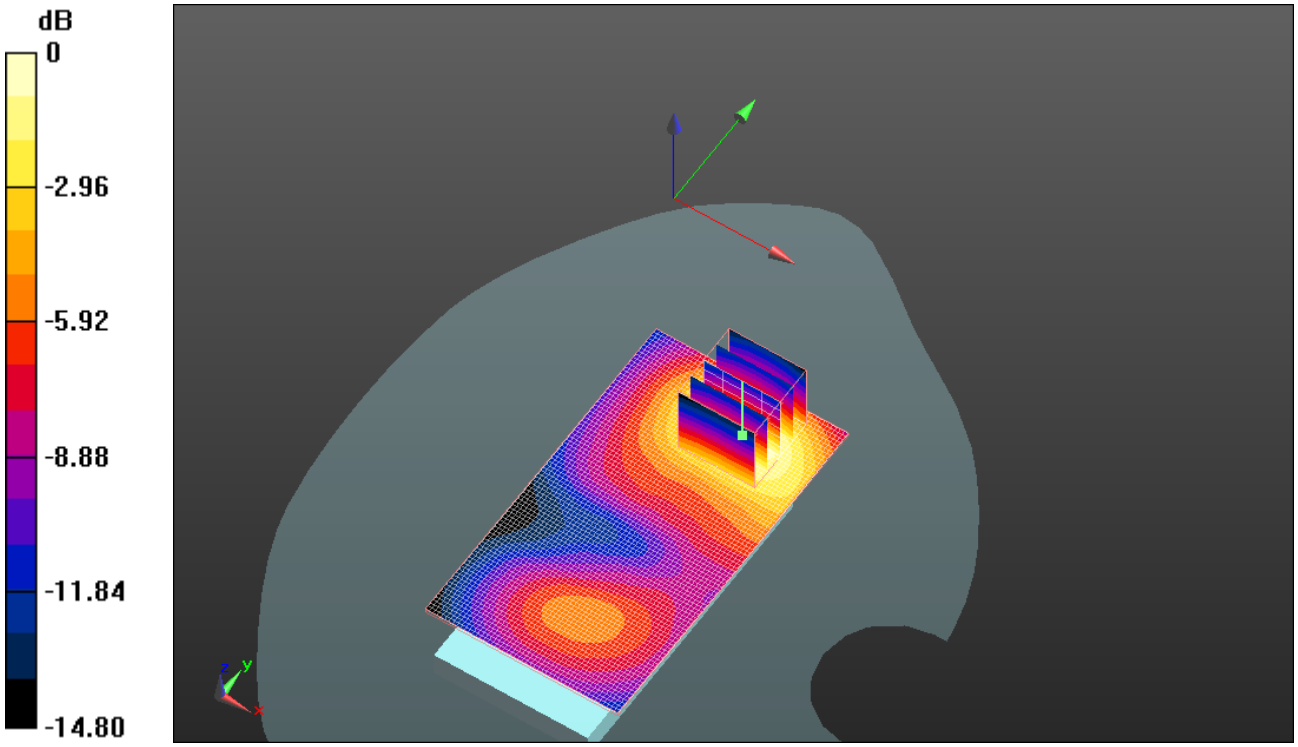
Communication System: GPRS 1900; Frequency: 1880 MHz;Communication System PAR: 6.232 dB
Medium parameters used: f = 1880 MHz; σ = 1.466 mho/m; ε_r = 50.965; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.88, 4.88, 4.88); Calibrated: 1/13/2011
  - Modulation Compensation: Not calibrated
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Configuration/Touch position -/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.381 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 4.556 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 0.523 W/kg
SAR(1 g) = 0.348 mW/g; SAR(10 g) = 0.208 mW/g
Maximum value of SAR (measured) = 0.384 mW/g



0 dB = 0.380mW/g

Date/Time: 4/15/2011 4:04:36 PM, Date/Time: 4/15/2011 4:10:31 PM

Test Laboratory: RIM Testing Services

Vertical_Holster_Headset_front_GPRS1900_mid_chan_amb_temp_23.3 _liq_temp_22.2C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32DF5ED2

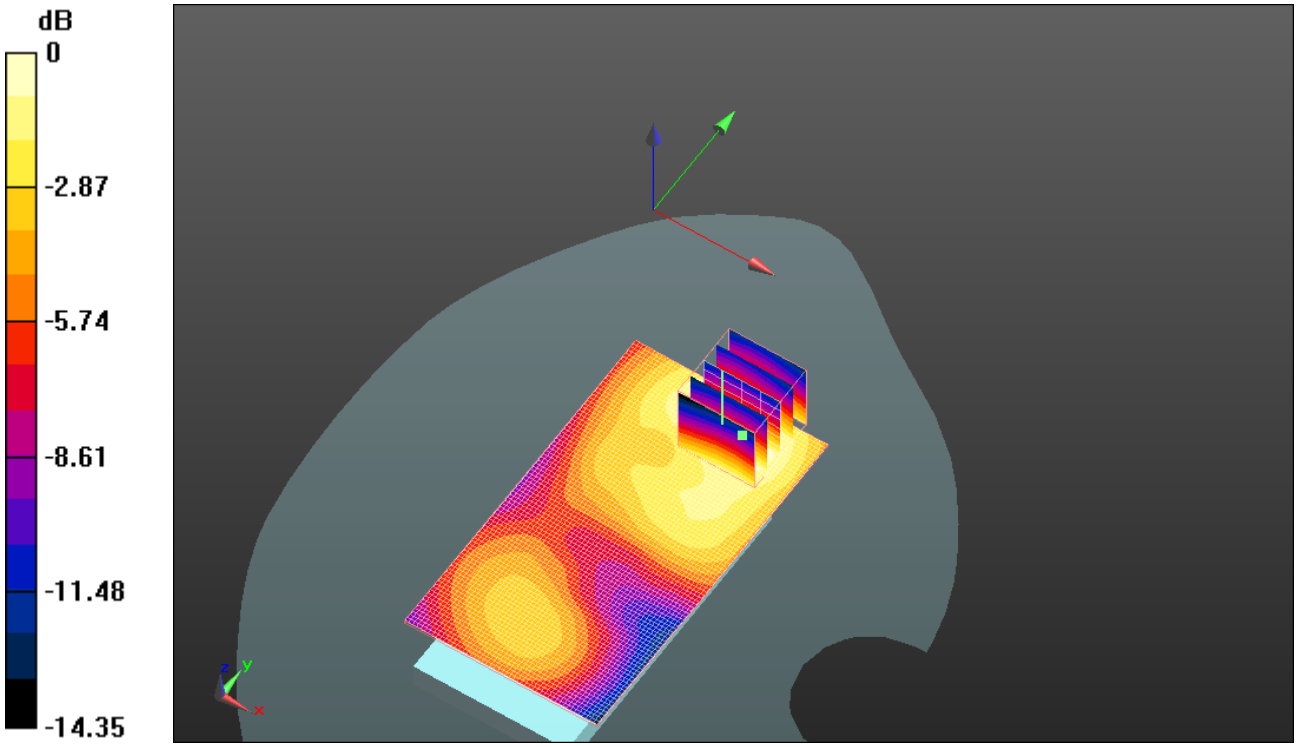
Communication System: GPRS 1900; Frequency: 1880 MHz;Communication System PAR: 6.232 dB
Medium parameters used: f = 1880 MHz; σ = 1.466 mho/m; ε_r = 50.965; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.88, 4.88, 4.88); Calibrated: 1/13/2011
  - Modulation Compensation: Not calibrated
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Configuration/Touch position -/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.117 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 3.975 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 0.166 W/kg
SAR(1 g) = 0.111 mW/g; SAR(10 g) = 0.071 mW/g
Maximum value of SAR (measured) = 0.120 mW/g



0 dB = 0.120mW/g

Date/Time: 4/15/2011 3:18:14 PM, Date/Time: 4/15/2011 3:51:56 PM

Test Laboratory: RIM Testing Services

Vertical_Holster_Headset_back_GPRS1900_mid_chan_amb_temp_23.3 _liq_temp_22.4C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32DF5ED2

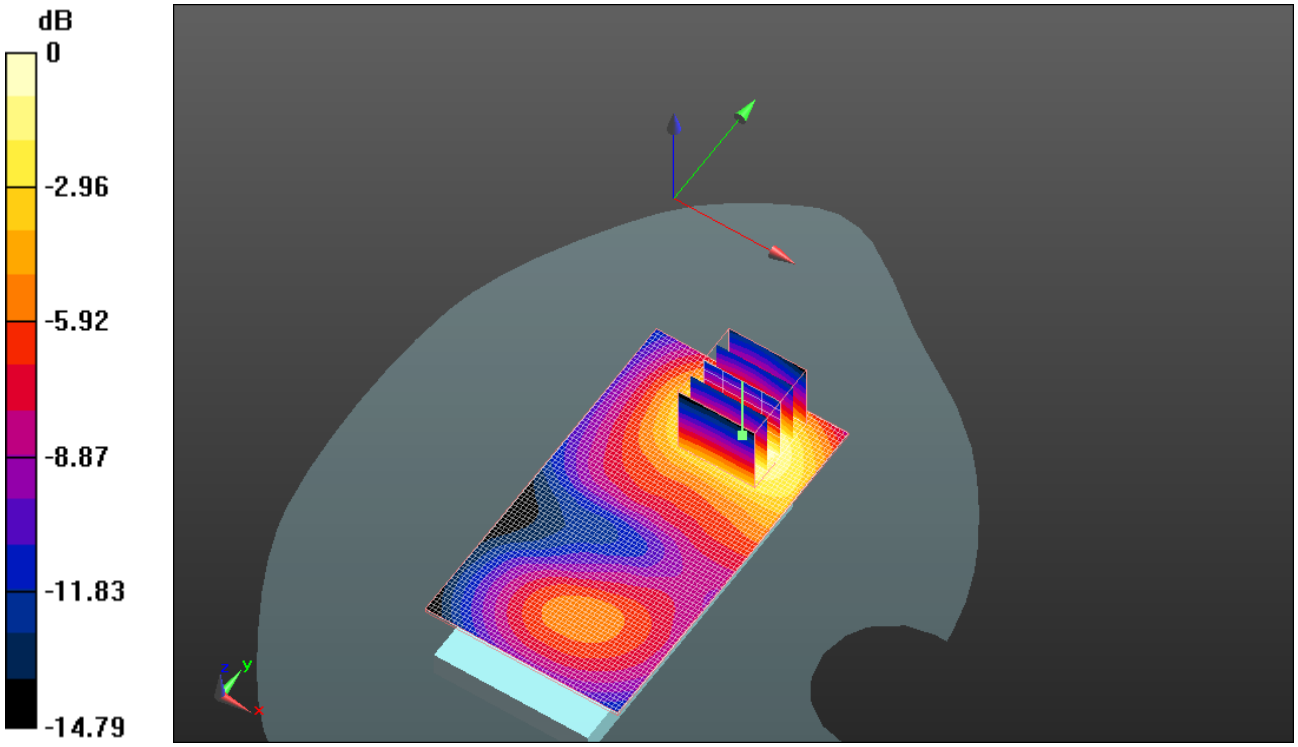
Communication System: GPRS 1900; Frequency: 1880 MHz;Communication System PAR: 6.232 dB
Medium parameters used: f = 1880 MHz; σ = 1.466 mho/m; ε_r = 50.965; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.88, 4.88, 4.88); Calibrated: 1/13/2011
  - Modulation Compensation: Not calibrated
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Configuration/Touch position -/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.381 mW/g

Configuration/Touch position - 2/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 4.481 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 0.531 W/kg
SAR(1 g) = 0.347 mW/g; SAR(10 g) = 0.207 mW/g
Maximum value of SAR (measured) = 0.384 mW/g



0 dB = 0.380mW/g

Date/Time: 4/15/2011 4:40:46 PM, Date/Time: 4/15/2011 4:46:42 PM

Test Laboratory: RIM Testing Services

25mm_Spacer_Back_GPRS1900_mid_chan_amb_temp_23.4_liq_temp_22.4C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32DF5ED2

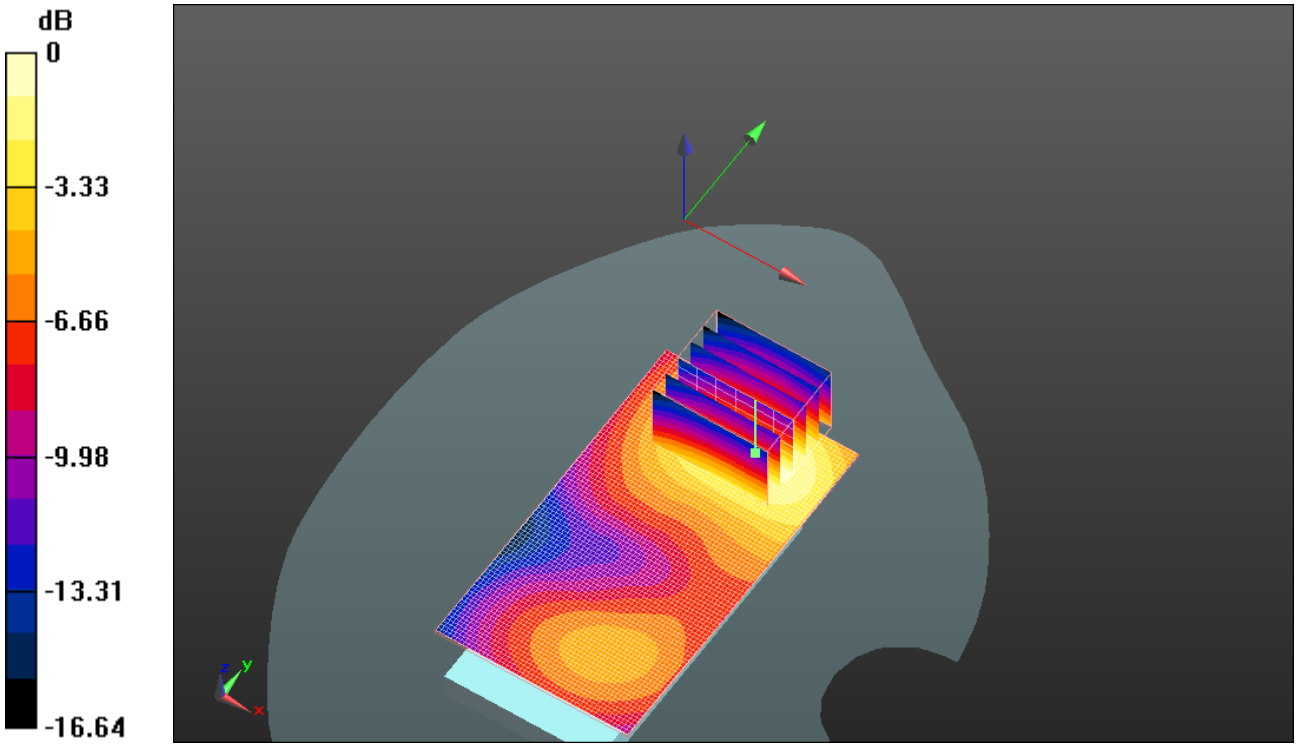
Communication System: GPRS 1900; Frequency: 1880 MHz;Communication System PAR: 6.232 dB
Medium parameters used: f = 1880 MHz; σ = 1.466 mho/m; ε_r = 50.965; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.88, 4.88, 4.88); Calibrated: 1/13/2011
  - Modulation Compensation: Not calibrated
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Configuration/Touch position -/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.185 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (7x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 3.544 V/m; Power Drift = 0.21 dB
Peak SAR (extrapolated) = 0.258 W/kg
SAR(1 g) = 0.172 mW/g; SAR(10 g) = 0.106 mW/g
Maximum value of SAR (measured) = 0.189 mW/g



0 dB = 0.190mW/g

Date/Time: 4/15/2011 3:18:14 PM, Date/Time: 4/15/2011 5:12:38 PM

Test Laboratory: RIM Testing Services

Vertical_Holster_Headset_back_GPRS1900_3_slots_mid_chan_amb_temp_23.5_liq_temp_22.2C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32DF5ED2

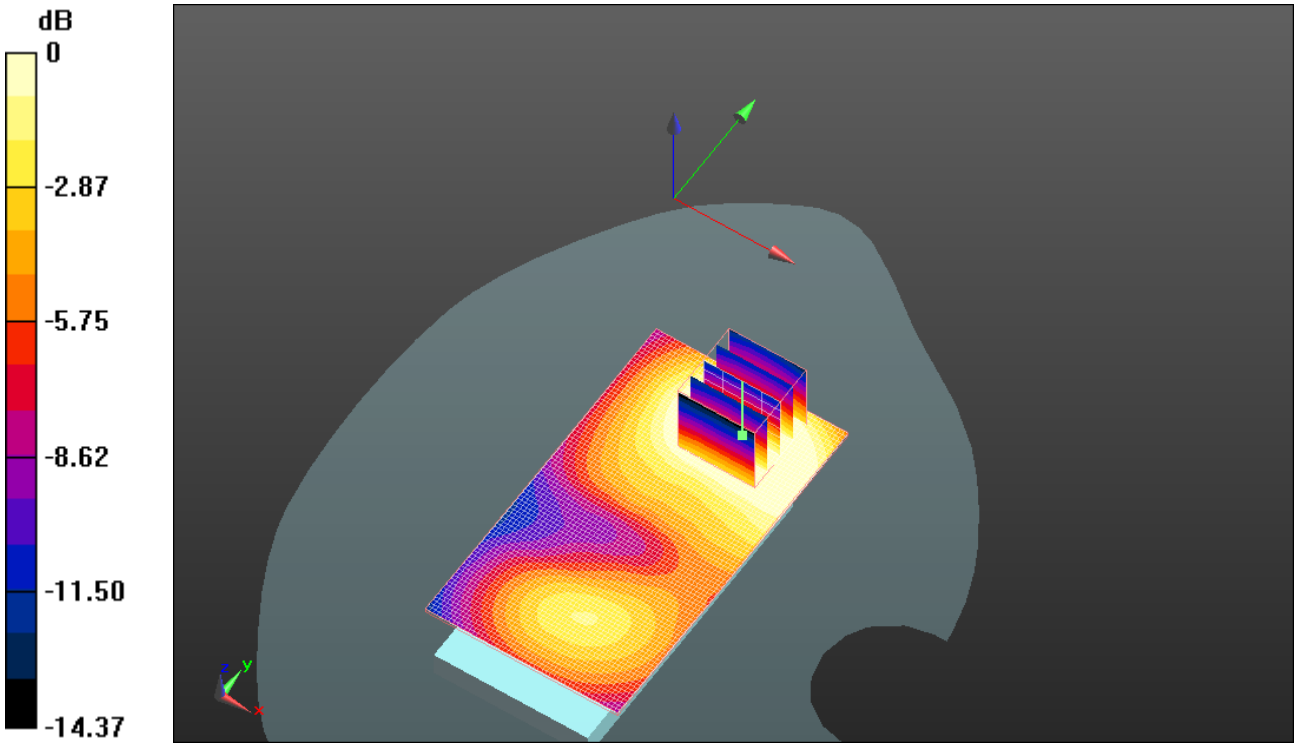
Communication System: GPRS 1900 (3-slots); Frequency: 1880 MHz;Communication System PAR: 4.472 dB
Medium parameters used: f = 1880 MHz; σ = 1.466 mho/m; ε_r = 50.965; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.88, 4.88, 4.88); Calibrated: 1/13/2011
  - Modulation Compensation: Not calibrated
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Configuration/Touch position -/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.378 mW/g

Configuration/Touch position - 2/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 3.628 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.246 W/kg
SAR(1 g) = 0.166 mW/g; SAR(10 g) = 0.104 mW/g
Maximum value of SAR (measured) = 0.180 mW/g



0 dB = 0.180mW/g

Date/Time: 4/15/2011 3:18:14 PM, Date/Time: 4/15/2011 5:28:11 PM

Test Laboratory: RIM Testing Services

Vertical_Holster_Headset_back_GPRS1900_4_slots_mid_chan_amb_temp_23.5_liq_temp_22.0C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32DF5ED2

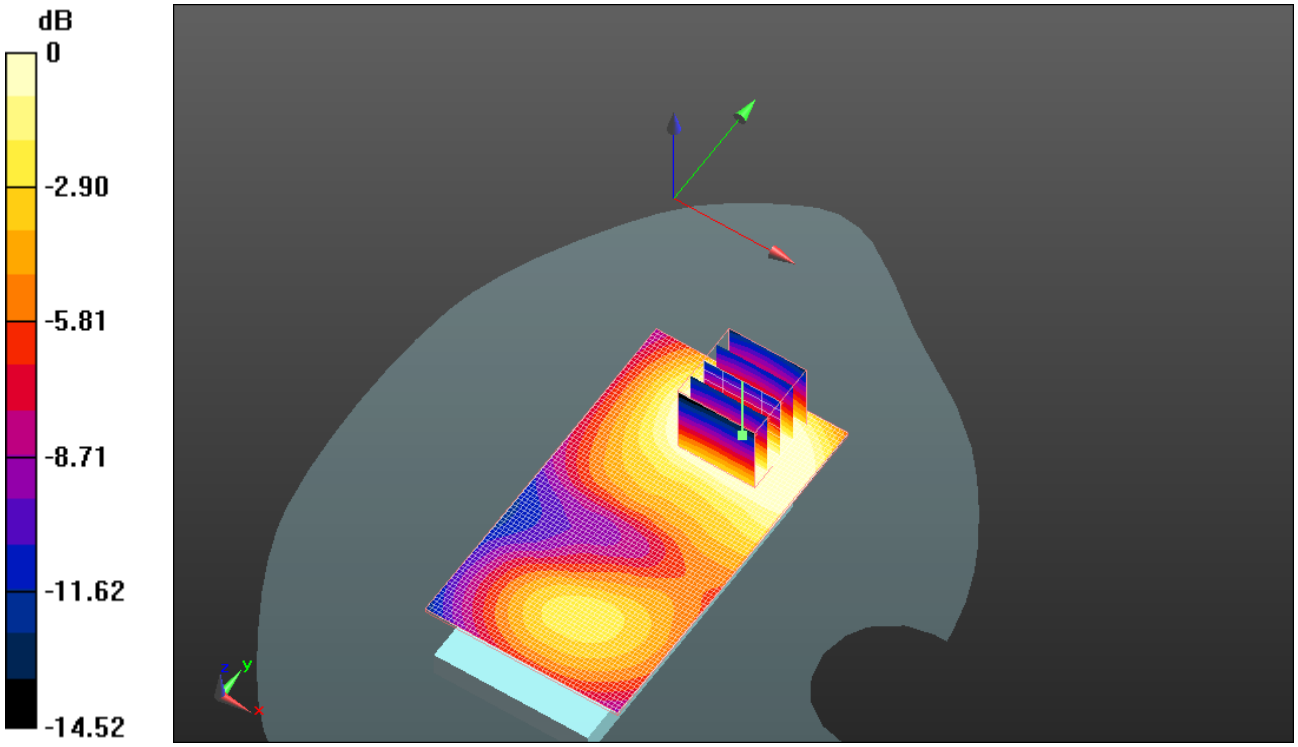
Communication System: GPRS 1900 (4-slots); Frequency: 1880 MHz;Communication System PAR: 3.222 dB
Medium parameters used: f = 1880 MHz; σ = 1.466 mho/m; ε_r = 50.965; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.88, 4.88, 4.88); Calibrated: 1/13/2011
  - Modulation Compensation: Not calibrated
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Configuration/Touch position -/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.376 mW/g

Configuration/Touch position - 2/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 3.627 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 0.253 W/kg
SAR(1 g) = 0.172 mW/g; SAR(10 g) = 0.107 mW/g
Maximum value of SAR (measured) = 0.186 mW/g



0 dB = 0.190mW/g

Date/Time: 1/14/2011 10:24:11 PM

Test Laboratory: RIM Testing Services

Vertical_Holster_Back_802.11b_high_chan_amb_temp_23.5C_liq_temp_22.6C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 329A77DF

Communication System: 802.11 b (2450); Frequency: 2462 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 2462 MHz; σ = 2.06 mho/m; ε_r = 50.1; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:

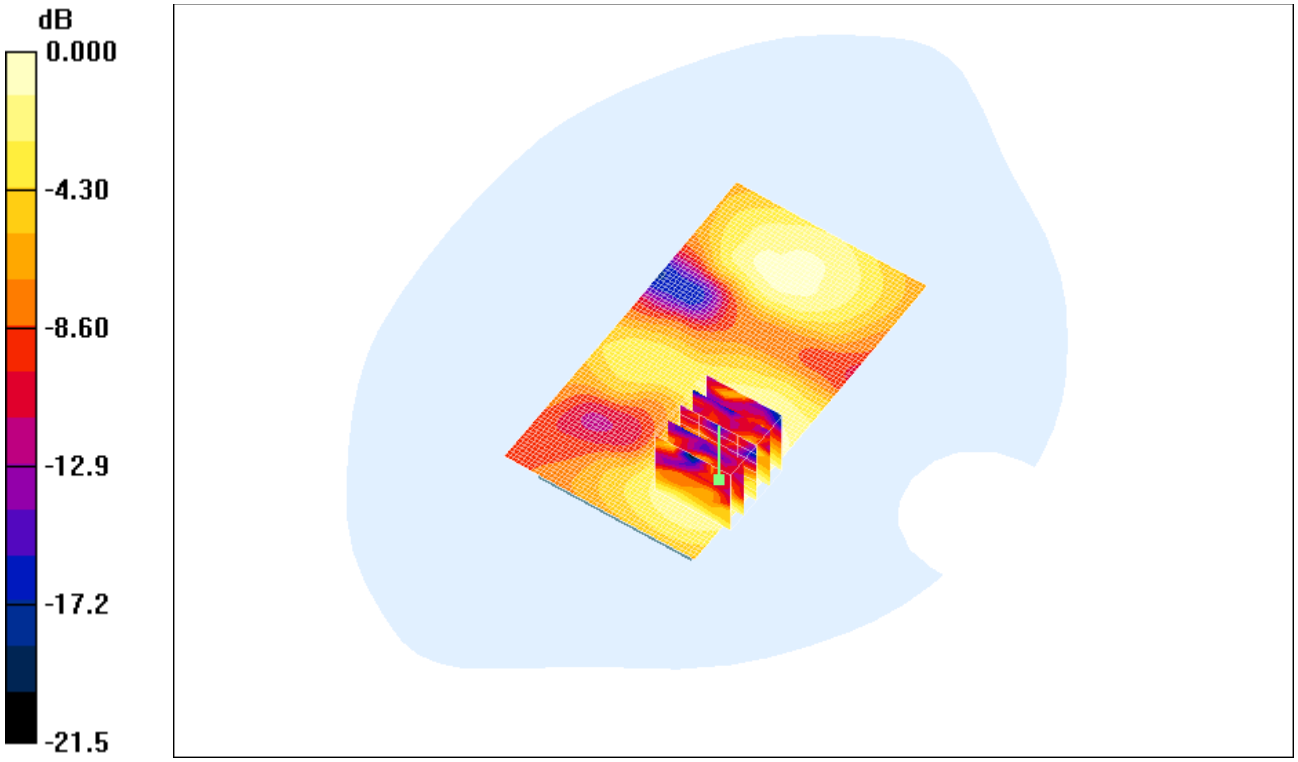
- Probe: ET3DV6 - SN1644; ConvF(4.05, 4.05, 4.05); Calibrated: 11/16/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 5/17/2010
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Body/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.021 mW/g

Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 2.31 V/m; Power Drift = -0.275 dB
Peak SAR (extrapolated) = 0.034 W/kg
SAR(1 g) = 0.019 mW/g; SAR(10 g) = 0.00953 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.022 mW/g



0 dB = 0.022mW/g

Date/Time: 1/14/2011 10:39:23 PM

Test Laboratory: RIM Testing Services

Vertical_Holster_Front_802.11b_high_chan_amb_temp_23.5C_liq_temp_22.6C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 329A77DF

Communication System: 802.11 b (2450); Frequency: 2462 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 2462 MHz; σ = 2.06 mho/m; ε_r = 50.1; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:

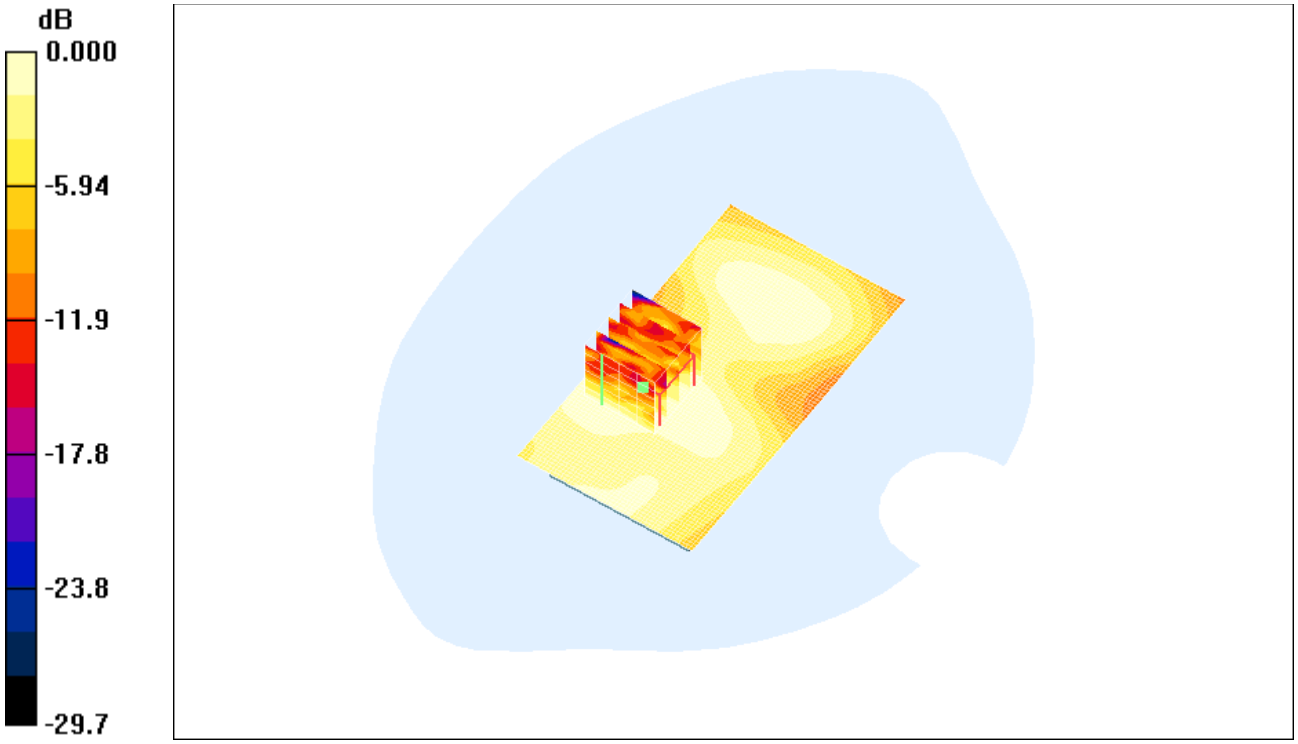
- Probe: ET3DV6 - SN1644; ConvF(4.05, 4.05, 4.05); Calibrated: 11/16/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 5/17/2010
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Body/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.013 mW/g

Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 1.84 V/m; Power Drift = 0.251 dB
Peak SAR (extrapolated) = 0.031 W/kg
SAR(1 g) = 0.011 mW/g; SAR(10 g) = 0.00619 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.013 mW/g



0 dB = 0.013mW/g

Date/Time: 4/26/2011 11:55:50 PM, Date/Time: 4/27/2011 12:01:47 AM

Test Laboratory: RIM Testing Services

25mm_Spacer_Back_802.11b_high_chan_amb_temp_23.4_liq_temp_22.2C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32DF5ED2

Communication System: 802.11 b (2450); Frequency: 2462 MHz;Communication System PAR: 0 dB
Medium parameters used (interpolated): f = 2462 MHz; σ = 2.033 mho/m; ε_r = 50.084; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

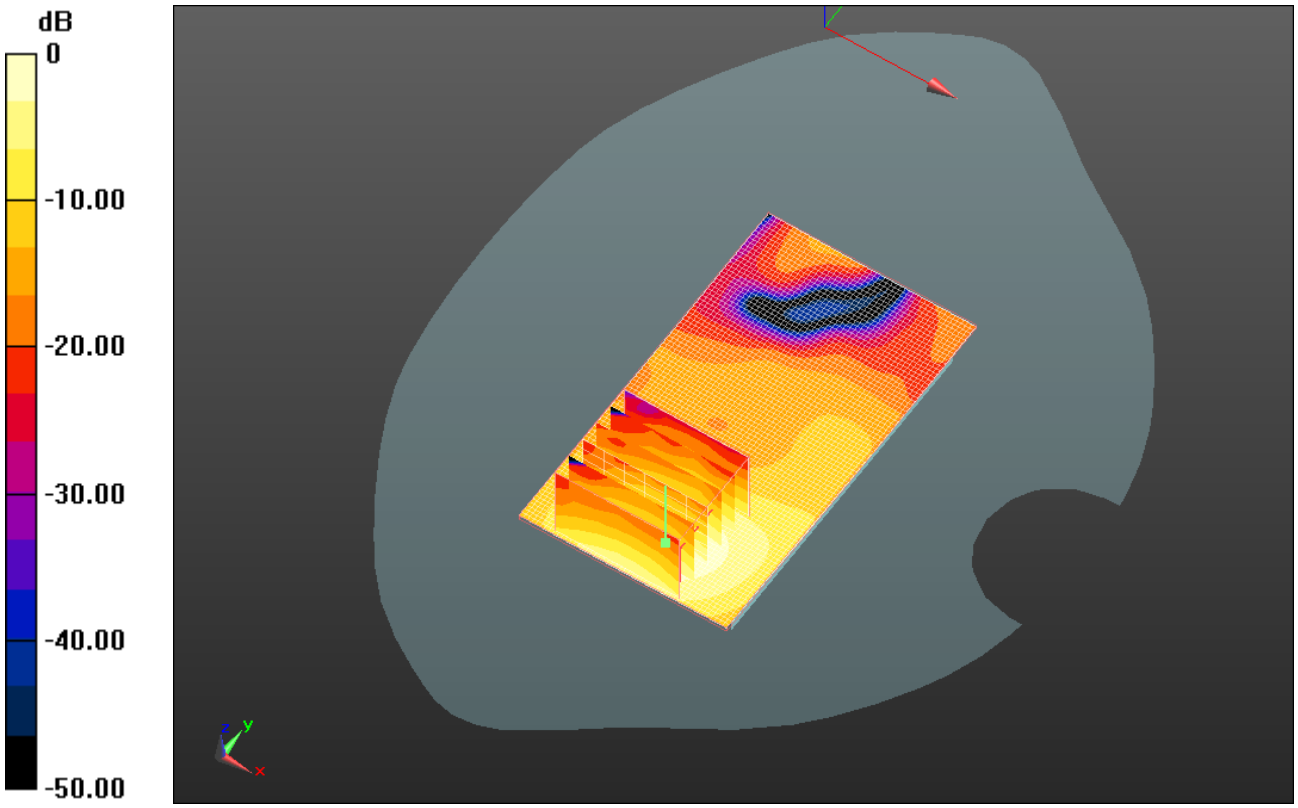
- Probe: ES3DV3 - SN3225; ConvF(4.43, 4.43, 4.43); Calibrated: 1/13/2011
  - Modulation Compensation: Not calibrated
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Configuration/Touch position -/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.084 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (7x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 1.536 V/m; Power Drift = -0.51 dB
Peak SAR (extrapolated) = 0.147 W/kg
SAR(1 g) = 0.078 mW/g; SAR(10 g) = 0.040 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.085 mW/g



0 dB = 0.090mW/g

Date/Time: 4/27/2011 12:15:25 AM, Date/Time: 4/27/2011 12:21:22 AM

Test Laboratory: RIM Testing Services

25mm_Spacer_Back_Headset_802.11b_high_chan_amb_temp_23.4_liq_temp_22.2C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 32DF5ED2

Communication System: 802.11 b (2450); Frequency: 2462 MHz;Communication System PAR: 0 dB
Medium parameters used (interpolated): f = 2462 MHz; σ = 2.033 mho/m; ε_r = 50.084; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

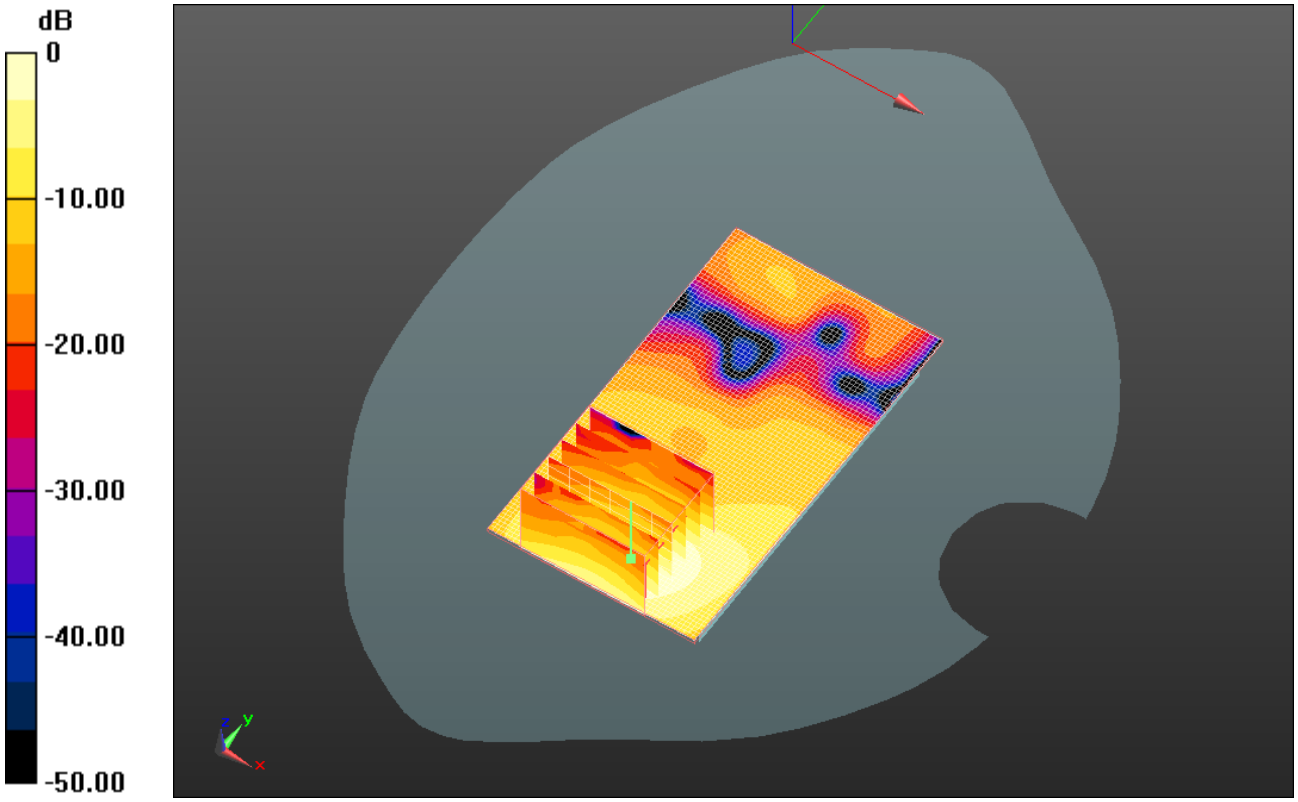
- Probe: ES3DV3 - SN3225; ConvF(4.43, 4.43, 4.43); Calibrated: 1/13/2011
  - Modulation Compensation: Not calibrated
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Configuration/Touch position -/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.071 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (7x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 1.388 V/m; Power Drift = 2.04 dB
Peak SAR (extrapolated) = 0.121 W/kg
SAR(1 g) = 0.064 mW/g; SAR(10 g) = 0.034 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.070 mW/g



0 dB = 0.070mW/g

RDP71UW

Date/Time: 2/8/2011 12:15:43 AM

Test Laboratory: RIM Testing Services

Vertical_Holster_back_UMTS_band_V_mid_chan_amb_temp_23.3C_liq_temp_22.0C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 25FC37FC

Communication System: WCDMA FDD V; Frequency: 836.4 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.4 MHz; σ = 0.965 mho/m; ε_r = 52.8; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:

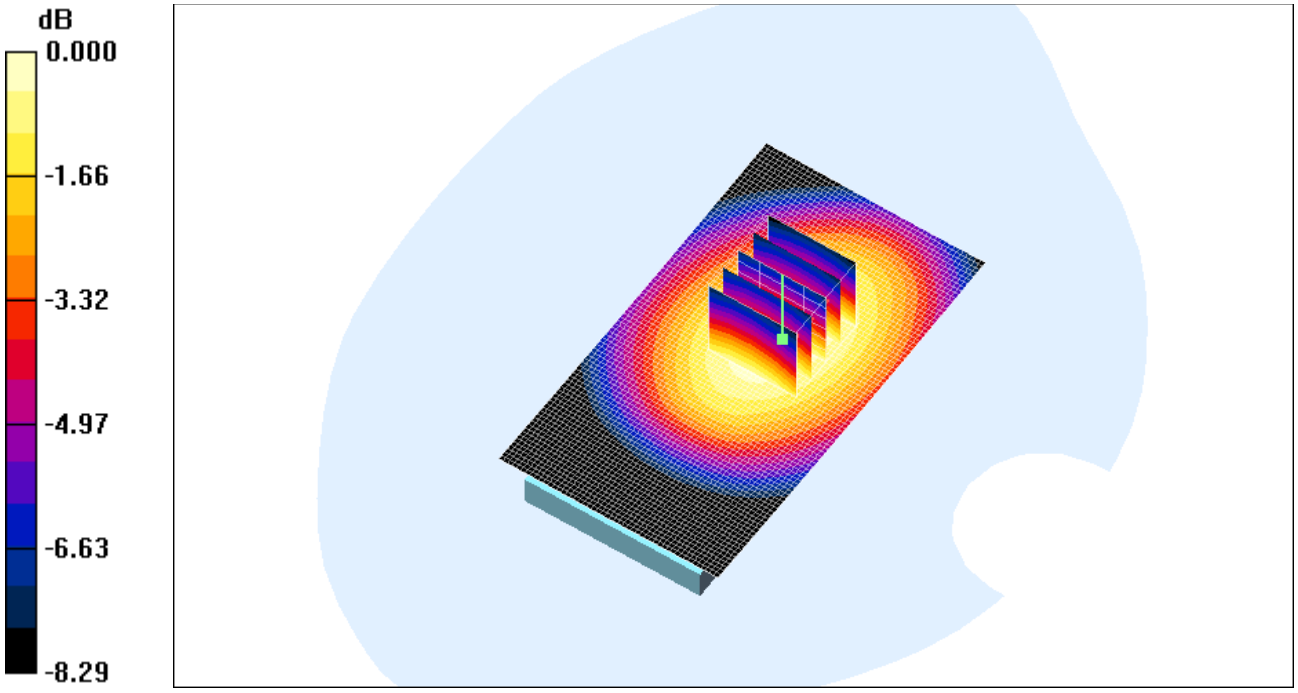
- Probe: ET3DV6 - SN1643; ConvF(5.93, 5.93, 5.93); Calibrated: 3/9/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 5/17/2010
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Body/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.496 mW/g

Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 3.91 V/m; Power Drift = -0.044 dB
Peak SAR (extrapolated) = 0.581 W/kg
SAR(1 g) = 0.471 mW/g; SAR(10 g) = 0.351 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.500 mW/g



0 dB = 0.500mW/g

Date/Time: 2/8/2011 12:44:08 AM

Test Laboratory: RIM Testing Services

Vertical_Holster_back_HS#1_UMTS_band_V_mid_chan_amb_temp_23.2C_liq_temp_21.9C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 25FC37FC

Communication System: WCDMA FDD V; Frequency: 836.4 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.4 MHz; σ = 0.965 mho/m; ε_r = 52.8; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:

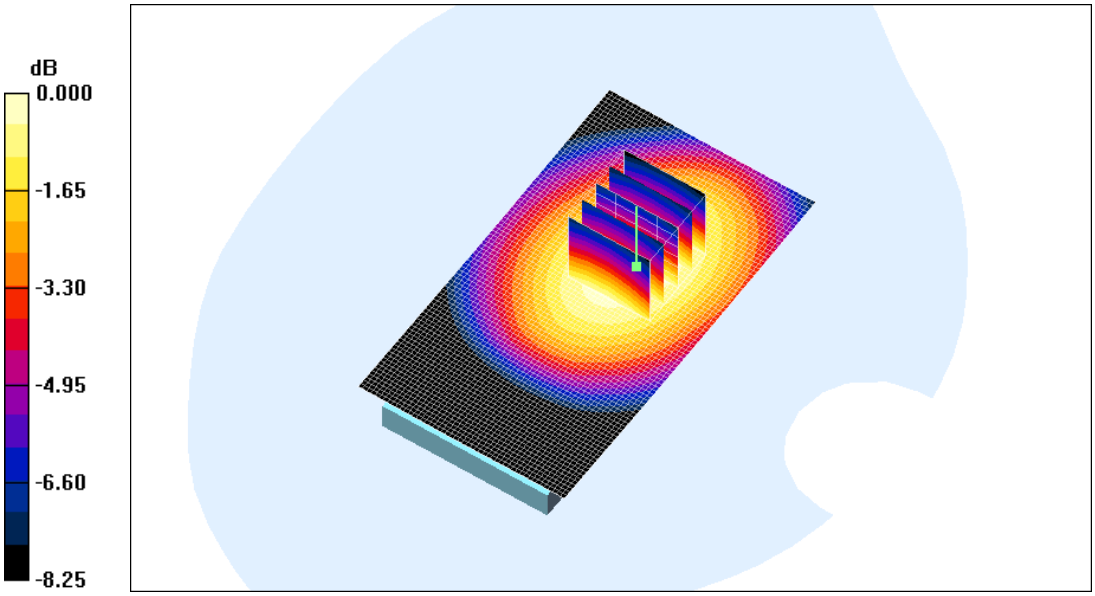
- Probe: ET3DV6 - SN1643; ConvF(5.93, 5.93, 5.93); Calibrated: 3/9/2010
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 5/17/2010
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Body/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.452 mW/g

Body/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 2.88 V/m; Power Drift = 0.054 dB
Peak SAR (extrapolated) = 0.523 W/kg
SAR(1 g) = 0.424 mW/g; SAR(10 g) = 0.317 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.449 mW/g



0 dB = 0.449mW/g

Date/Time: 4/7/2011 12:06:51 AM, Date/Time: 4/7/2011 12:12:11 AM

Test Laboratory: RIM Testing Services

Vertical_Holster_Back_UMTS_band_V_mid_chan_amb_temp_23.7_liq_temp_22.1C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 26F8E944

Communication System: WCDMA FDD V; Frequency: 836.4 MHz; Communication System PAR: 0 dB
Medium parameters used (interpolated): f = 836.4 MHz; σ = 0.942 mho/m; ε_r = 56.198; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

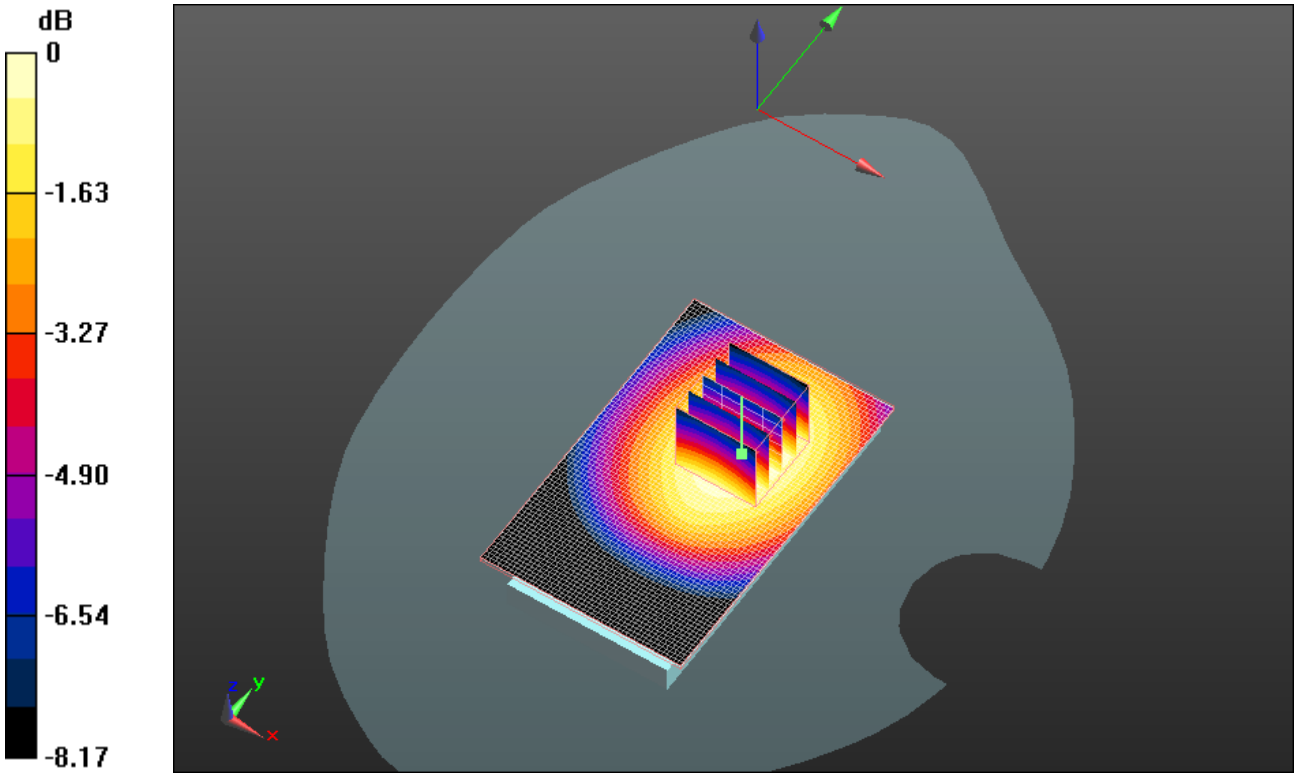
- Probe: ES3DV3 - SN3225; ConvF(6.3, 6.3, 6.3); Calibrated: 1/13/2011
  - Modulation Compensation: Not calibrated
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

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

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.745 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 27.514 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.882 W/kg
SAR(1 g) = 0.691 mW/g; SAR(10 g) = 0.514 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.730 mW/g



0 dB = 0.730mW/g

Date/Time: 4/20/2011 9:30:36 PM, Date/Time: 4/20/2011 9:37:43 PM

Test Laboratory: RIM Testing Services

Vertical_Holster_Front_UMTS_band_V_mid_chan_amb_temp_23.5_liq_temp_22.4C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 26F8E944

Communication System: WCDMA FDD V; Frequency: 836.4 MHz; Communication System PAR: 0 dB
Medium parameters used (interpolated): f = 836.4 MHz; σ = 0.976 mho/m; ε_r = 53.628; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

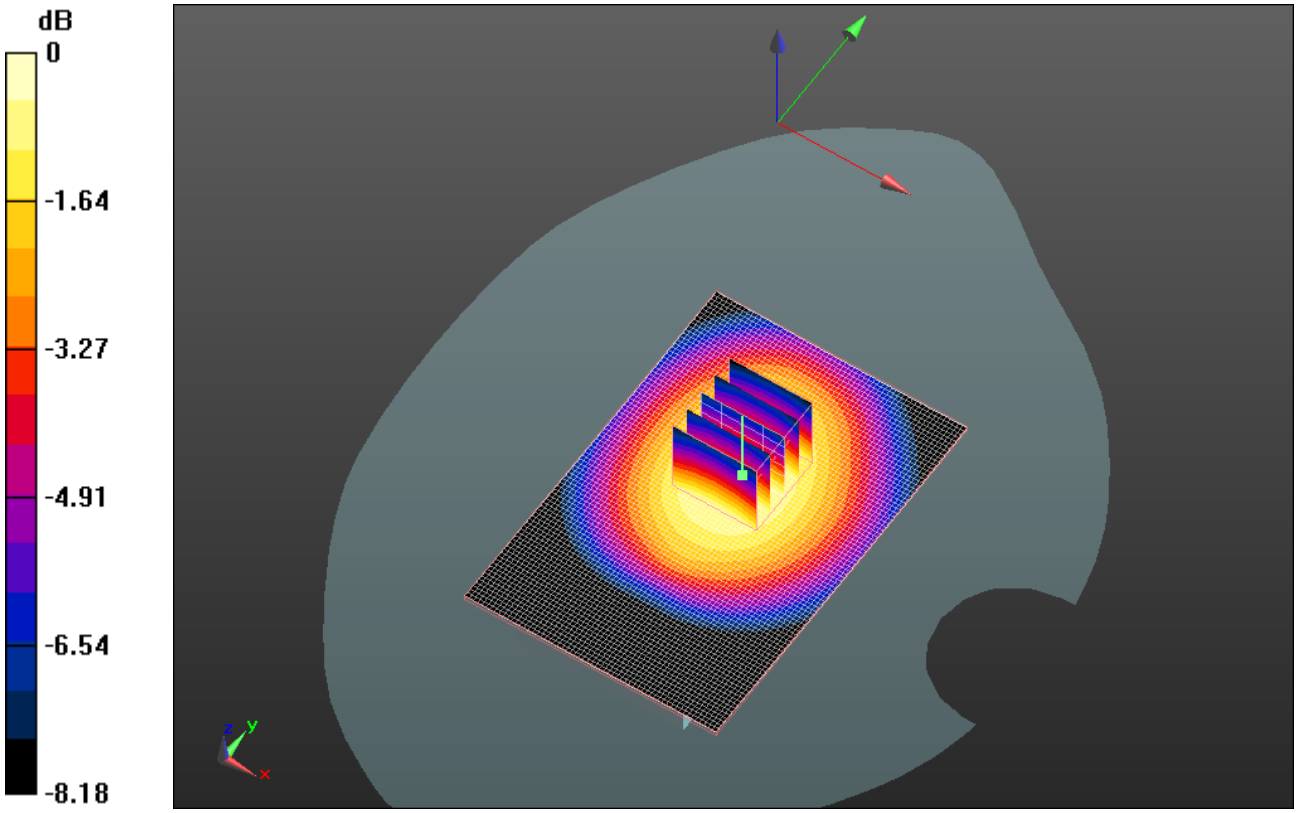
- Probe: ES3DV3 - SN3225; ConvF(6.3, 6.3, 6.3); Calibrated: 1/13/2011
  - Modulation Compensation: Not calibrated
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Configuration/Touch position -/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.605 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 24.903 V/m; Power Drift = 0.29 dB
Peak SAR (extrapolated) = 0.767 W/kg
SAR(1 g) = 0.610 mW/g; SAR(10 g) = 0.458 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.639 mW/g



0 dB = 0.640mW/g

Date/Time: 4/20/2011 9:46:06 PM, Date/Time: 4/20/2011 9:53:10 PM

Test Laboratory: RIM Testing Services

25mm_Spacer_Back_UMTS_band_V_mid_chan_amb_temp_23.6_liq_temp_22.5C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 26F8E944

Communication System: WCDMA FDD V; Frequency: 836.4 MHz; Communication System PAR: 0 dB
Medium parameters used (interpolated): f = 836.4 MHz; σ = 0.976 mho/m; ε_r = 53.628; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

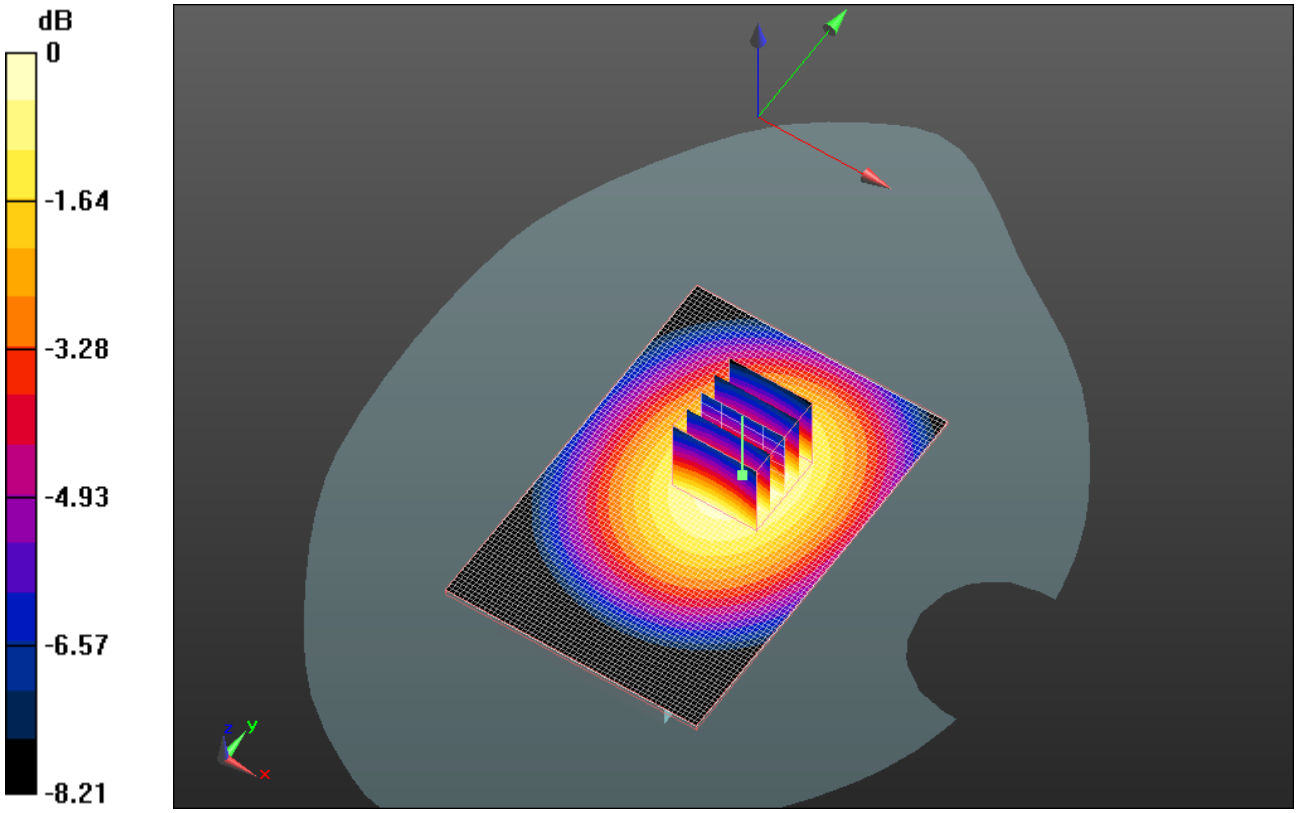
- Probe: ES3DV3 - SN3225; ConvF(6.3, 6.3, 6.3); Calibrated: 1/13/2011
  - Modulation Compensation: Not calibrated
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Configuration/Touch position -/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.489 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 21.901 V/m; Power Drift = 0.19 dB
Peak SAR (extrapolated) = 0.608 W/kg
SAR(1 g) = 0.475 mW/g; SAR(10 g) = 0.354 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.501 mW/g



0 dB = 0.500mW/g

Date/Time: 4/20/2011 10:02:02 PM, Date/Time: 4/20/2011 10:09:09 PM

Test Laboratory: RIM Testing Services

Vertical_Holster_Back_Headset_UMTS_band_V_mid_chan_amb_temp_23.6_liq_temp_22.5C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 26F8E944

Communication System: WCDMA FDD V; Frequency: 836.4 MHz; Communication System PAR: 0 dB
Medium parameters used (interpolated): f = 836.4 MHz; σ = 0.976 mho/m; ε_r = 53.628; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

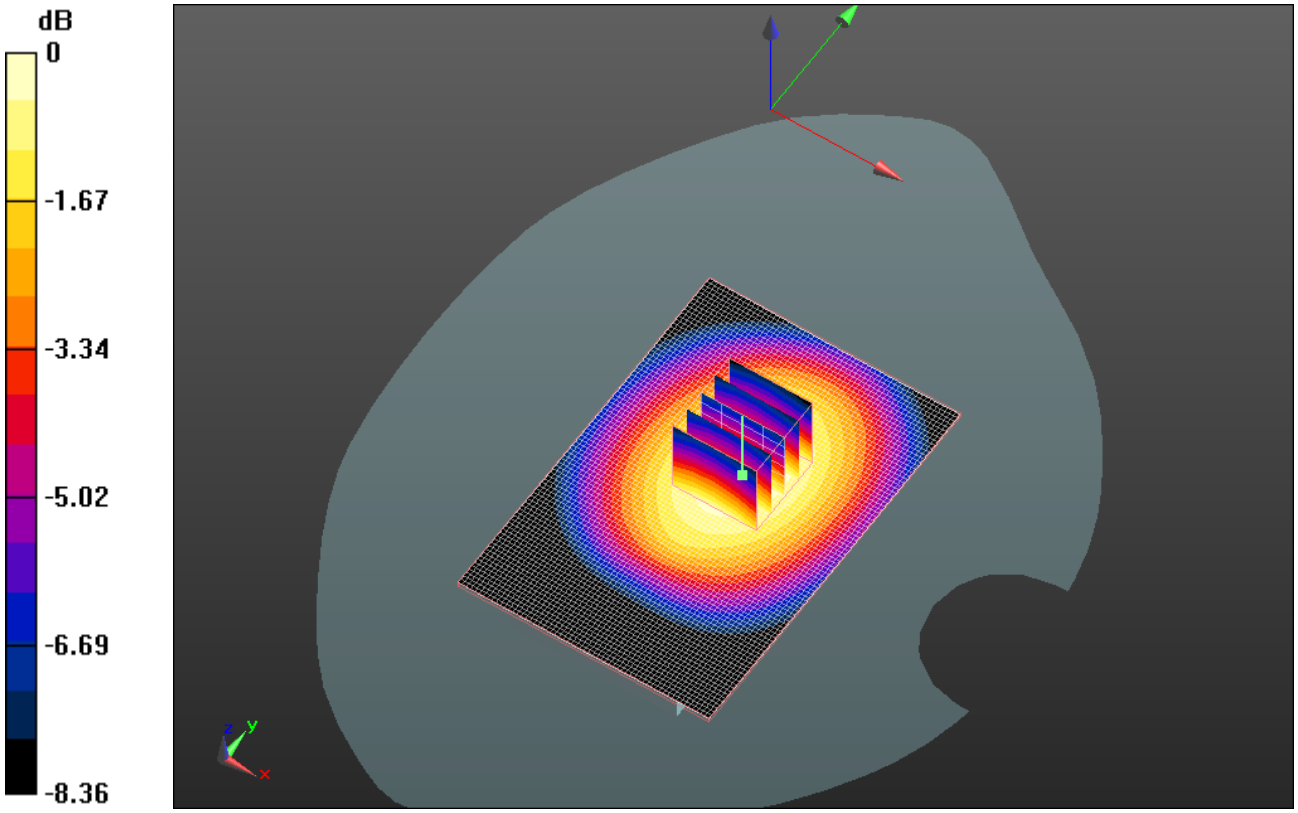
- Probe: ES3DV3 - SN3225; ConvF(6.3, 6.3, 6.3); Calibrated: 1/13/2011
  - Modulation Compensation: Not calibrated
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Configuration/Touch position -/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.517 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 22.941 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.626 W/kg
SAR(1 g) = 0.489 mW/g; SAR(10 g) = 0.364 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.517 mW/g



0 dB = 0.520mW/g

Date/Time: 4/27/2011 11:57:14 PM, Date/Time: 4/28/2011 12:04:08 AM

Test Laboratory: RIM Testing Services

Vertical_Holster_Back_UMTS_band_II_low_chan_amb_temp_23.2_liq_temp_22.4C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 26F8E944

Communication System: WCDMA FDD II; Frequency: 1852.4 MHz; Communication System PAR: 0 dB
Medium parameters used (interpolated): f = 1852.4 MHz; σ = 1.482 mho/m; ε_r = 51.31; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

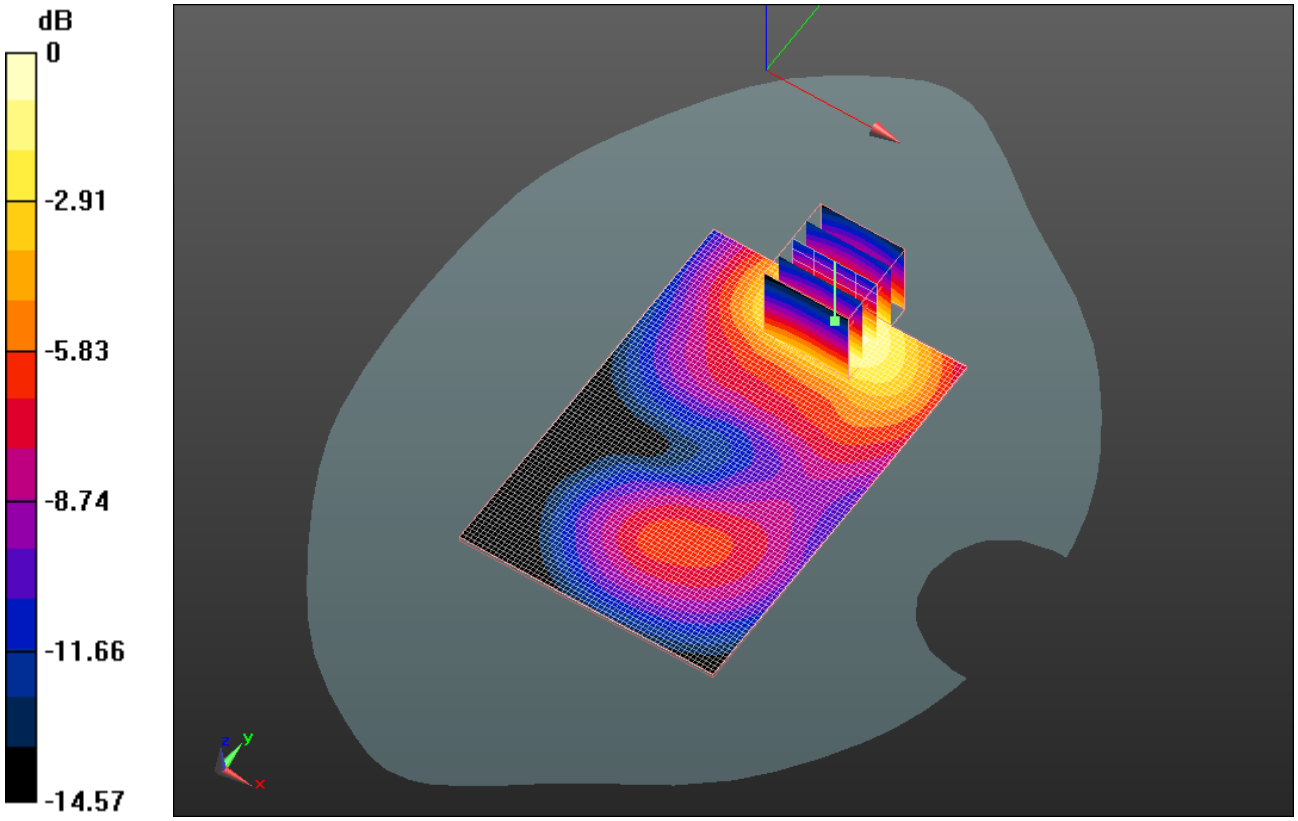
- Probe: ES3DV3 - SN3225; ConvF(4.88, 4.88, 4.88); Calibrated: 1/13/2011
  - Modulation Compensation: Not calibrated
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Configuration/Touch position -/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.703 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 5.325 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.991 W/kg
SAR(1 g) = 0.659 mW/g; SAR(10 g) = 0.396 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.729 mW/g



0 dB = 0.730mW/g

Date/Time: 4/18/2011 2:17:55 PM, Date/Time: 4/18/2011 2:23:47 PM

Test Laboratory: RIM Testing Services

Vertical_Holster_Back_UMTS_band_II_mid_chan_amb_temp_23.3_liq_temp_22.4C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 26F8E944

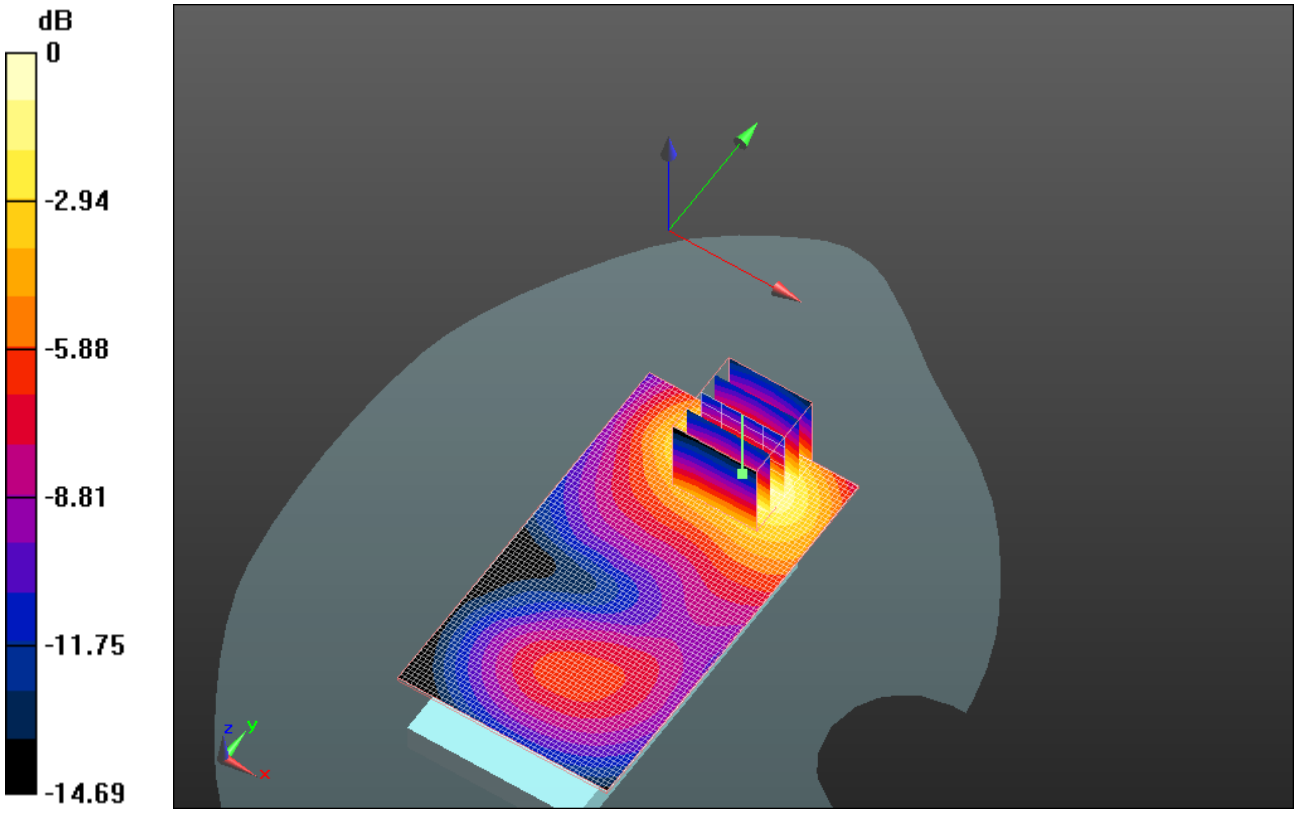
Communication System: WCDMA FDD II; Frequency: 1880 MHz; Communication System PAR: 0 dB
Medium parameters used: f = 1880 MHz; σ = 1.517 mho/m; ε_r = 51.198; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.88, 4.88, 4.88); Calibrated: 1/13/2011
  - Modulation Compensation: Not calibrated
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Configuration/Touch position -/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.871 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 6.939 V/m; Power Drift = 0.0087 dB
Peak SAR (extrapolated) = 1.233 W/kg
SAR(1 g) = 0.817 mW/g; SAR(10 g) = 0.487 mW/g
Maximum value of SAR (measured) = 0.897 mW/g



0 dB = 0.900mW/g

Date/Time: 4/28/2011 12:11:01 AM, Date/Time: 4/28/2011 12:17:57 AM

Test Laboratory: RIM Testing Services

Vertical_Holster_Back_UMTS_band_II_high_chan_amb_temp_23.1_liq_temp_22.2C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 26F8E944

Communication System: WCDMA FDD II; Frequency: 1907.6 MHz; Communication System PAR: 0 dB
Medium parameters used (interpolated): f = 1907.6 MHz; σ = 1.551 mho/m; ε_r = 51.082; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

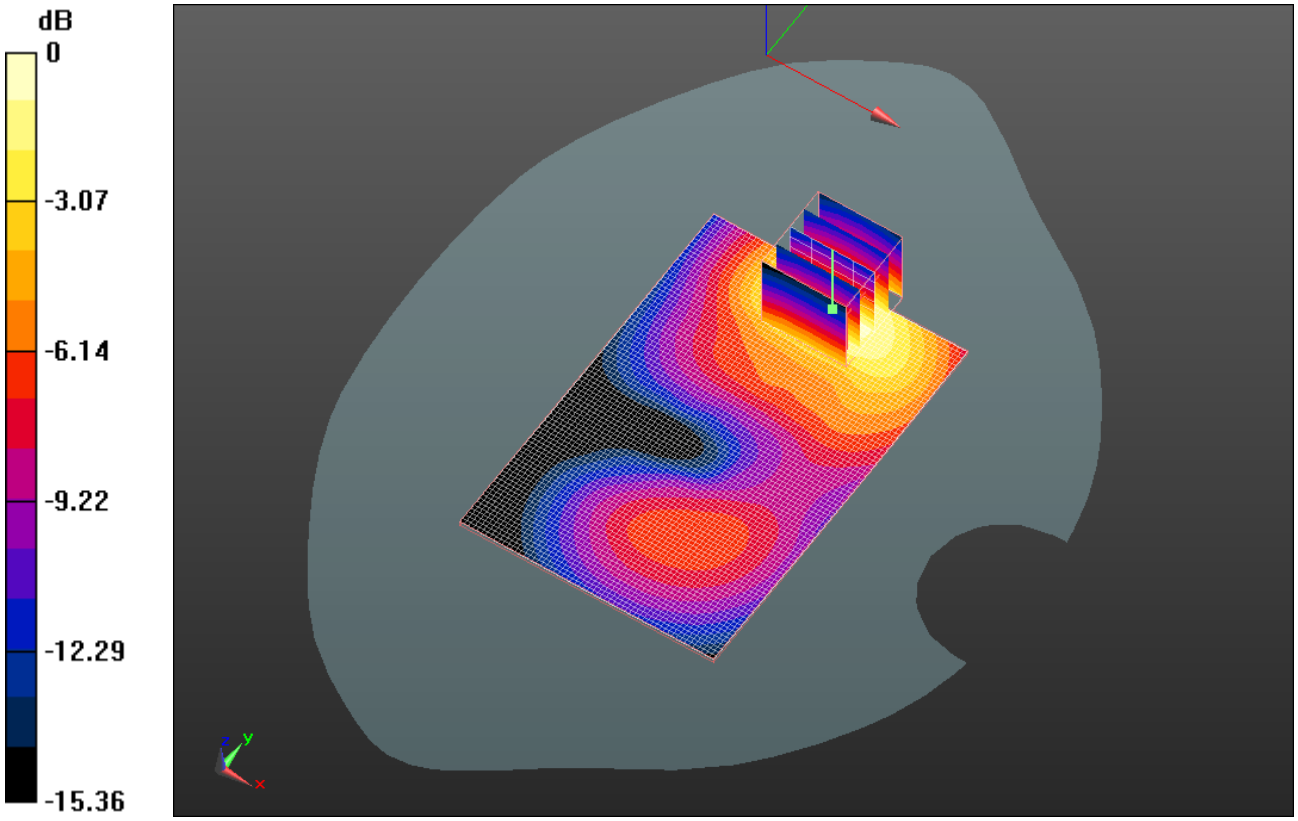
- Probe: ES3DV3 - SN3225; ConvF(4.88, 4.88, 4.88); Calibrated: 1/13/2011
  - Modulation Compensation: Not calibrated
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Configuration/Touch position -/Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.583 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 4.586 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 0.840 W/kg
SAR(1 g) = 0.547 mW/g; SAR(10 g) = 0.325 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.604 mW/g



0 dB = 0.600mW/g

Date/Time: 4/18/2011 2:48:39 PM, Date/Time: 4/18/2011 2:54:32 PM

Test Laboratory: RIM Testing Services

Vertical_Holster_Front_UMTS_band_II_mid_chan_amb_temp_23.1_liq_temp_22.3C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 26F8E944

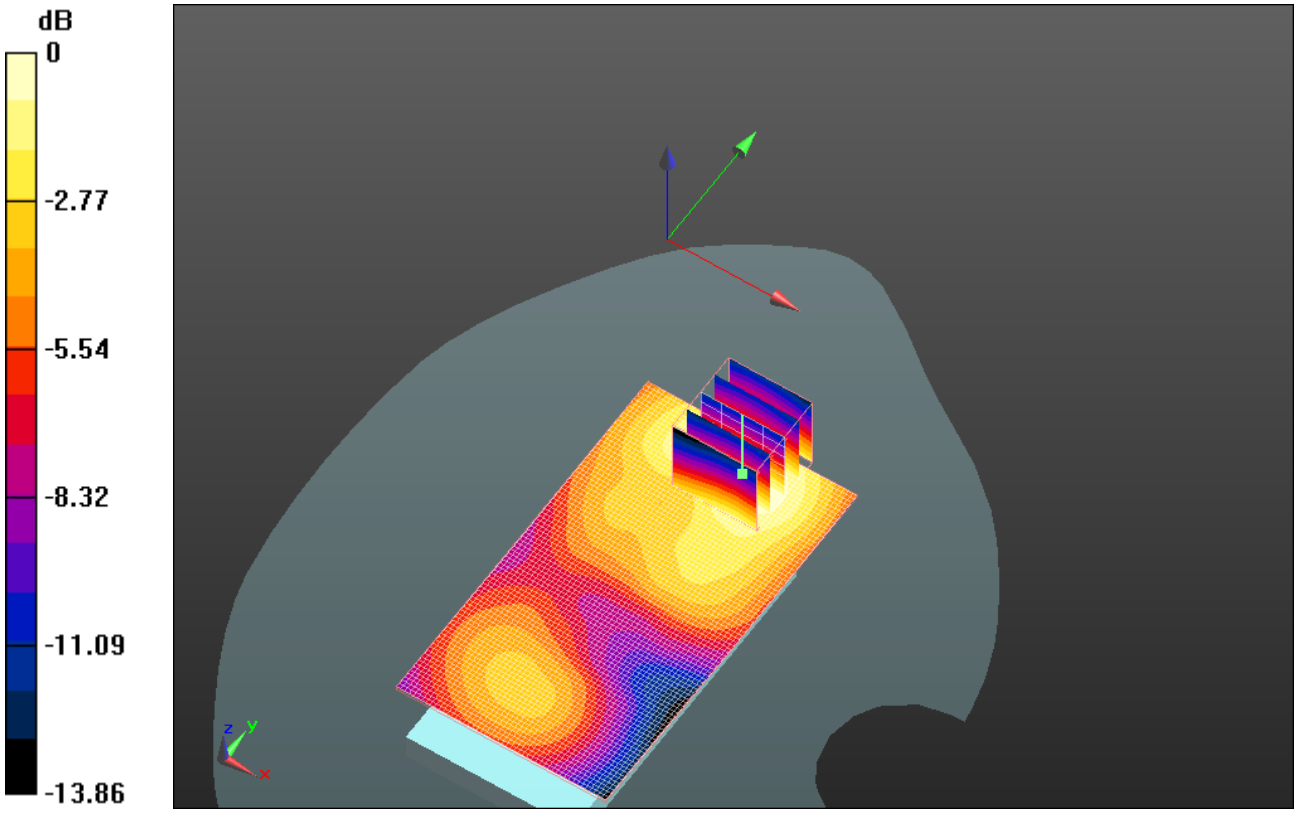
Communication System: WCDMA FDD II; Frequency: 1880 MHz; Communication System PAR: 0 dB
Medium parameters used: f = 1880 MHz; σ = 1.517 mho/m; ε_r = 51.198; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.88, 4.88, 4.88); Calibrated: 1/13/2011
  - Modulation Compensation: Not calibrated
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Configuration/Touch position -/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.263 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 5.425 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 0.359 W/kg
SAR(1 g) = 0.245 mW/g; SAR(10 g) = 0.157 mW/g
Maximum value of SAR (measured) = 0.265 mW/g



0 dB = 0.260mW/g

Date/Time: 4/18/2011 2:33:13 PM, Date/Time: 4/18/2011 2:39:05 PM

Test Laboratory: RIM Testing Services

Vertical_Holster_Headset_Back_UMTS_band_II_mid_chan_amb_temp_23.3_liq_temp_22.4C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 26F8E944

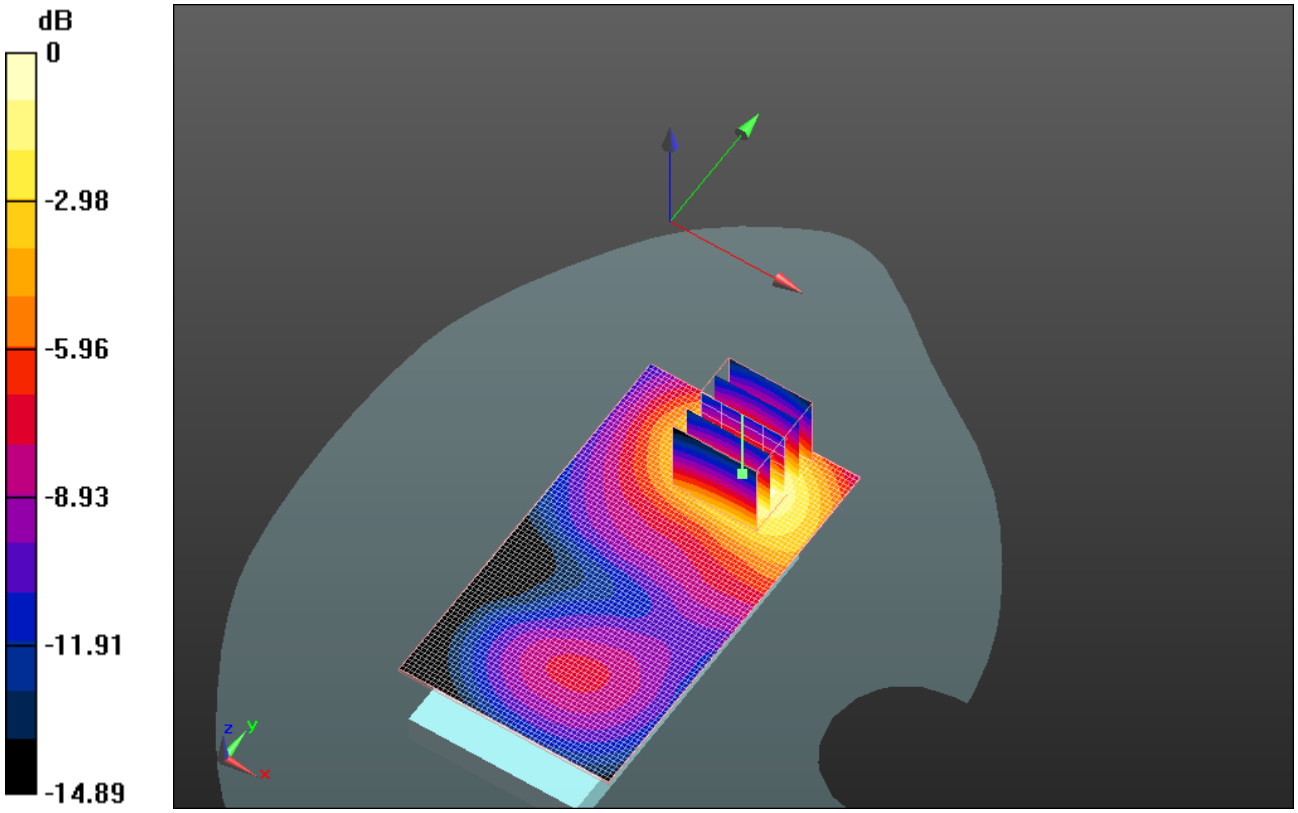
Communication System: WCDMA FDD II; Frequency: 1880 MHz; Communication System PAR: 0 dB
Medium parameters used: f = 1880 MHz; σ = 1.517 mho/m; ε_r = 51.198; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.88, 4.88, 4.88); Calibrated: 1/13/2011
  - Modulation Compensation: Not calibrated
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Configuration/Touch position -/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.921 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 6.882 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 1.307 W/kg
SAR(1 g) = 0.864 mW/g; SAR(10 g) = 0.518 mW/g
Maximum value of SAR (measured) = 0.956 mW/g



0 dB = 0.960mW/g

Date/Time: 4/18/2011 3:04:30 PM, Date/Time: 4/18/2011 3:10:25 PM

Test Laboratory: RIM Testing Services

25mm_Spacer_Back_UMTS_band_II_mid_chan_amb_temp_23.1_liq_temp_22.0C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 26F8E944

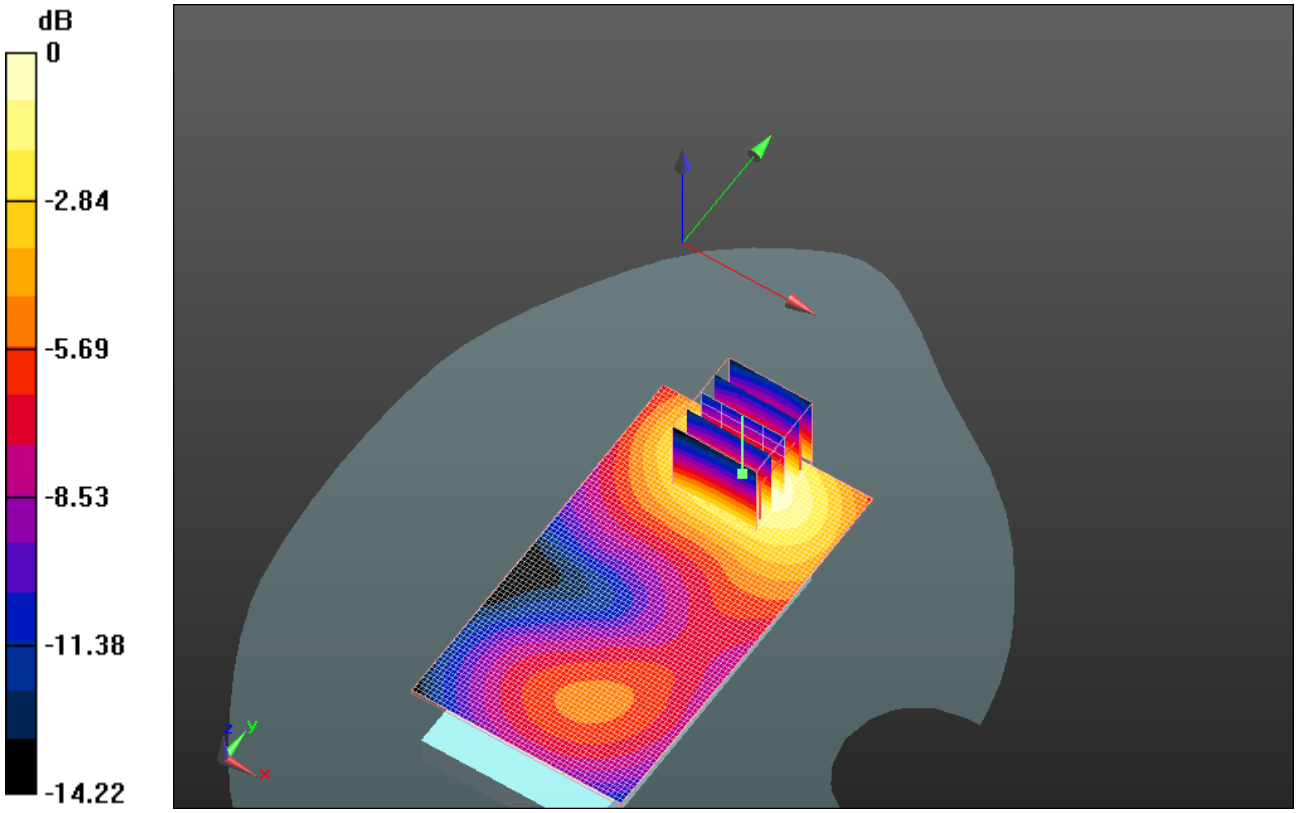
Communication System: WCDMA FDD II; Frequency: 1880 MHz; Communication System PAR: 0 dB
Medium parameters used: f = 1880 MHz; σ = 1.517 mho/m; ε_r = 51.198; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.88, 4.88, 4.88); Calibrated: 1/13/2011
  - Modulation Compensation: Not calibrated
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

Configuration/Touch position -/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.354 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 5.220 V/m; Power Drift = 0.0084 dB
Peak SAR (extrapolated) = 0.482 W/kg
SAR(1 g) = 0.325 mW/g; SAR(10 g) = 0.203 mW/g
Maximum value of SAR (measured) = 0.355 mW/g



0 dB = 0.350mW/g

Z axis plot for the worst case body configuration: