APPENDIX C: SAR DISTRIBUTION PLOTS FOR BODY-WORN CONFIGURATION

Date/Time: 6/7/2011 5:53:29 PM, Date/Time: 6/7/2011 6:00:43 PM

Test Laboratory: RIM Testing Services

15mm_Spacer_Back_GPRS850_low_chan_amb_temp_23.5_liq_temp_22.2C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 279CCF51

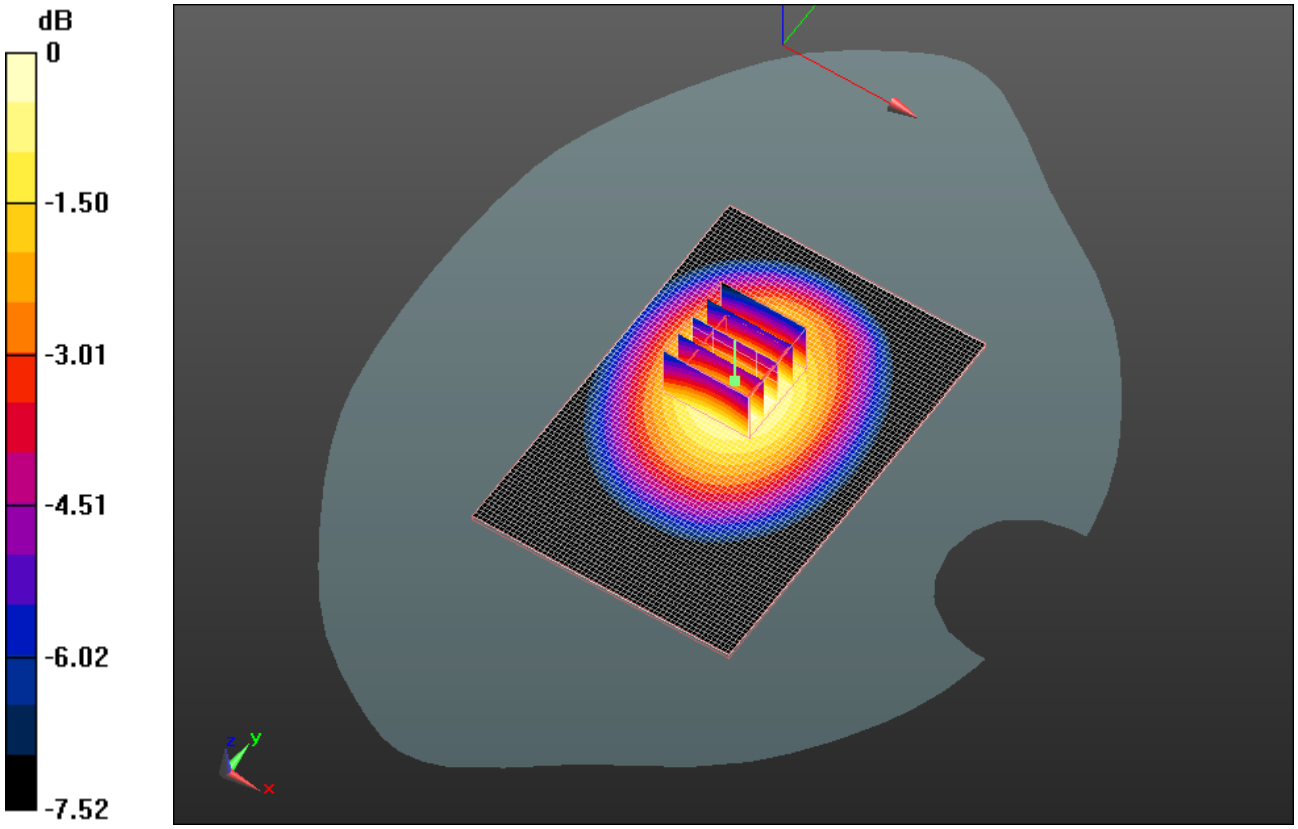
Communication System: GPRS 850; Communication System Band: GPRS 850;
Frequency: 824.2 MHz;Communication System PAR: 6.232 dB
Medium parameters used: f = 825 MHz; σ = 0.98 mho/m; ε_r = 53.791; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(6.3, 6.3, 6.3); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- 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
Maximum value of SAR (interpolated) = 0.775 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x5)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 26.473 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 0.956 W/kg
SAR(1 g) = 0.725 mW/g; SAR(10 g) = 0.520 mW/g
Maximum value of SAR (measured) = 0.765 mW/g



0 dB = 0.760mW/g

Date/Time: 6/7/2011 5:33:28 PM, Date/Time: 6/7/2011 5:40:45 PM

Test Laboratory: RIM Testing Services

15mm_Spacer_Back_GPRS850_mid_chan_amb_temp_23.5_liq_temp_22.2C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 279CCF51

Communication System: GPRS 850; Communication System Band: GPRS 850;
Frequency: 836.8 MHz;Communication System PAR: 6.232 dB
Medium parameters used (interpolated): f = 836.8 MHz; σ = 0.994 mho/m; ε_r = 53.676; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

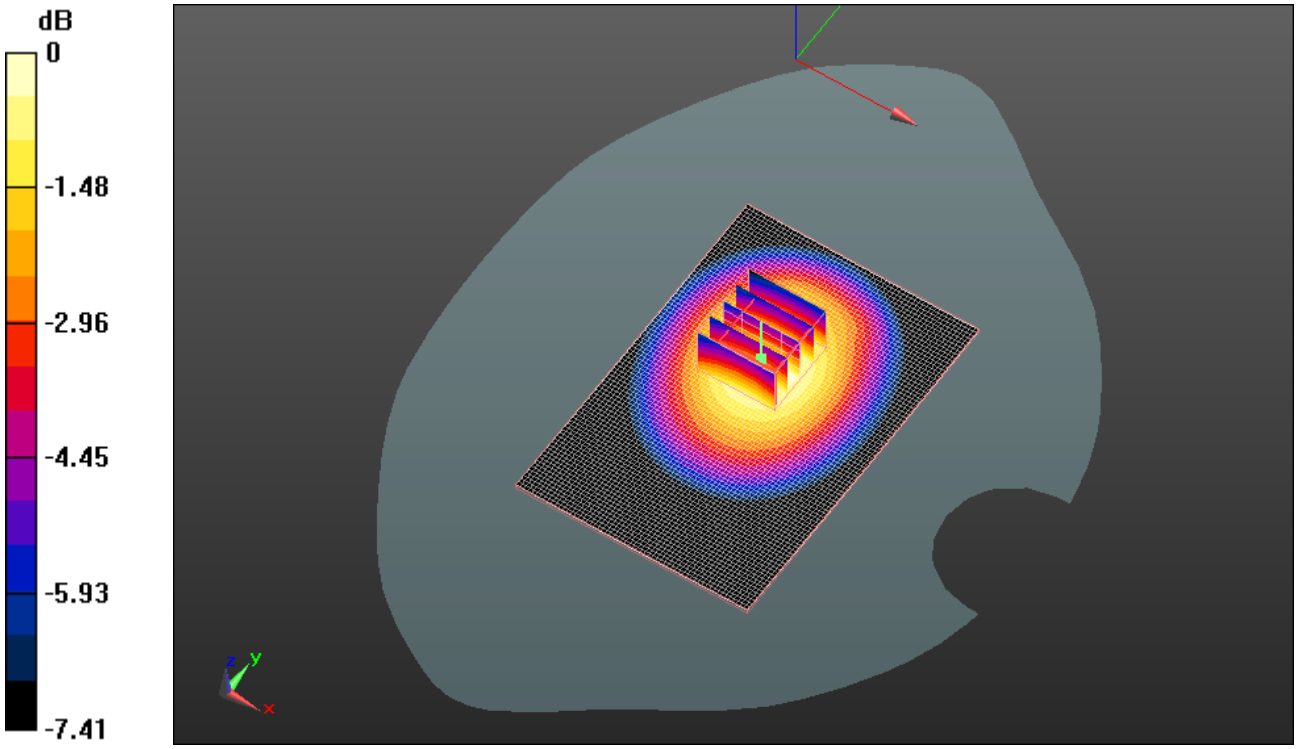
- Probe: ES3DV3 - SN3225; ConvF(6.3, 6.3, 6.3); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

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) = 1.084 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x5)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 30.091 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 1.327 W/kg
SAR(1 g) = 1.01 mW/g; SAR(10 g) = 0.727 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.070 mW/g



0 dB = 1.070mW/g

Date/Time: 6/7/2011 6:06:59 PM, Date/Time: 6/7/2011 6:14:11 PM

Test Laboratory: RIM Testing Services

15mm_Spacer_Back_GPRS850_high_chan_amb_temp_23.6_liq_temp_22.4C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 279CCF51

Communication System: GPRS 850; Communication System Band: GPRS 850;
Frequency: 848.8 MHz;Communication System PAR: 6.232 dB
Medium parameters used (interpolated): f = 848.8 MHz; σ = 1.004 mho/m; ε_r = 53.541; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

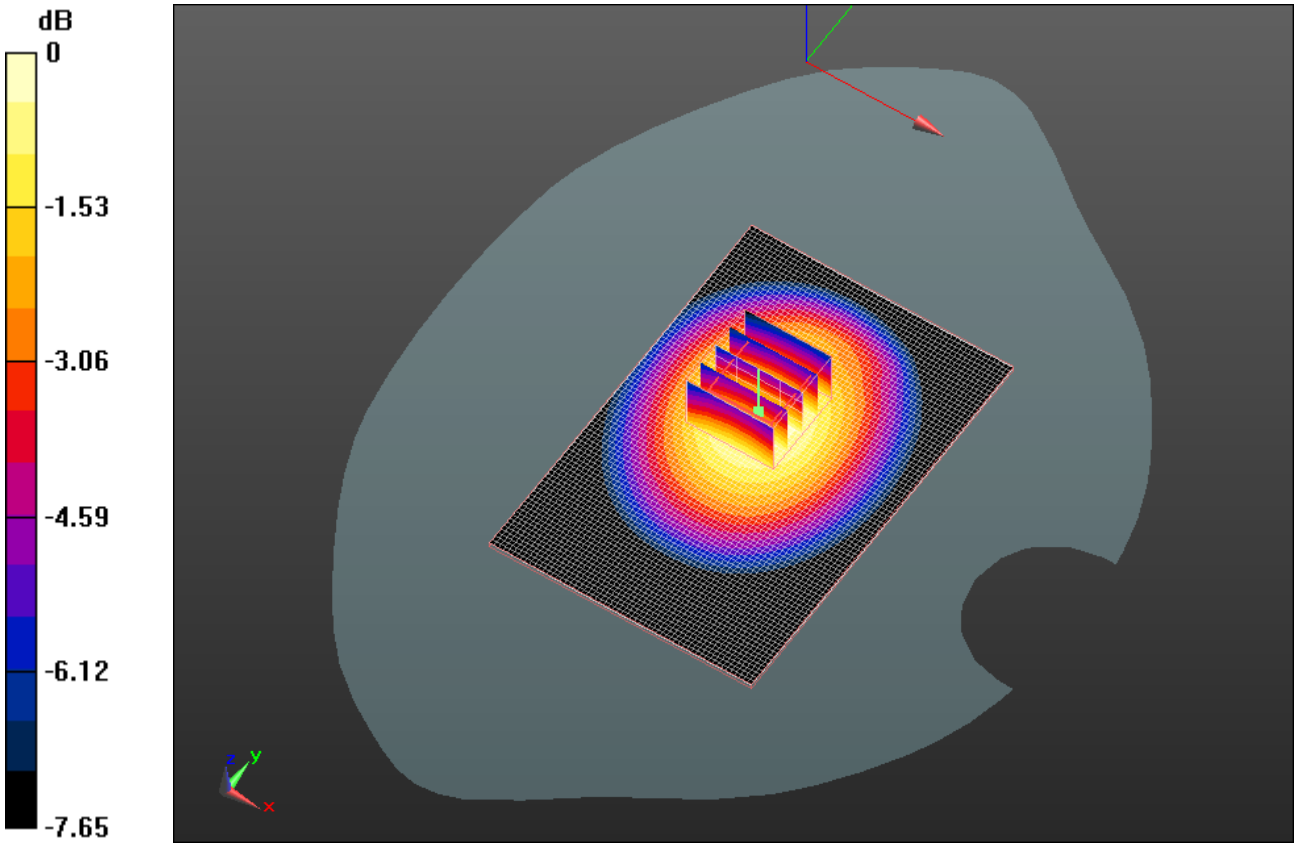
- Probe: ES3DV3 - SN3225; ConvF(6.3, 6.3, 6.3); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

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) = 1.129 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x5)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 31.961 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 1.421 W/kg
SAR(1 g) = 1.06 mW/g; SAR(10 g) = 0.757 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.130 mW/g



0 dB = 1.130mW/g

Date/Time: 6/7/2011 6:23:21 PM, Date/Time: 6/7/2011 6:30:35 PM

Test Laboratory: RIM Testing Services

Vertical_Holster_Back_GPRS850_mid_chan_amb_temp_23.3_liq_temp_22.1C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 279CCF51

Communication System: GPRS 850; Communication System Band: GPRS 850;
Frequency: 836.8 MHz;Communication System PAR: 6.232 dB
Medium parameters used (interpolated): f = 836.8 MHz; σ = 0.994 mho/m; ε_r = 53.676; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

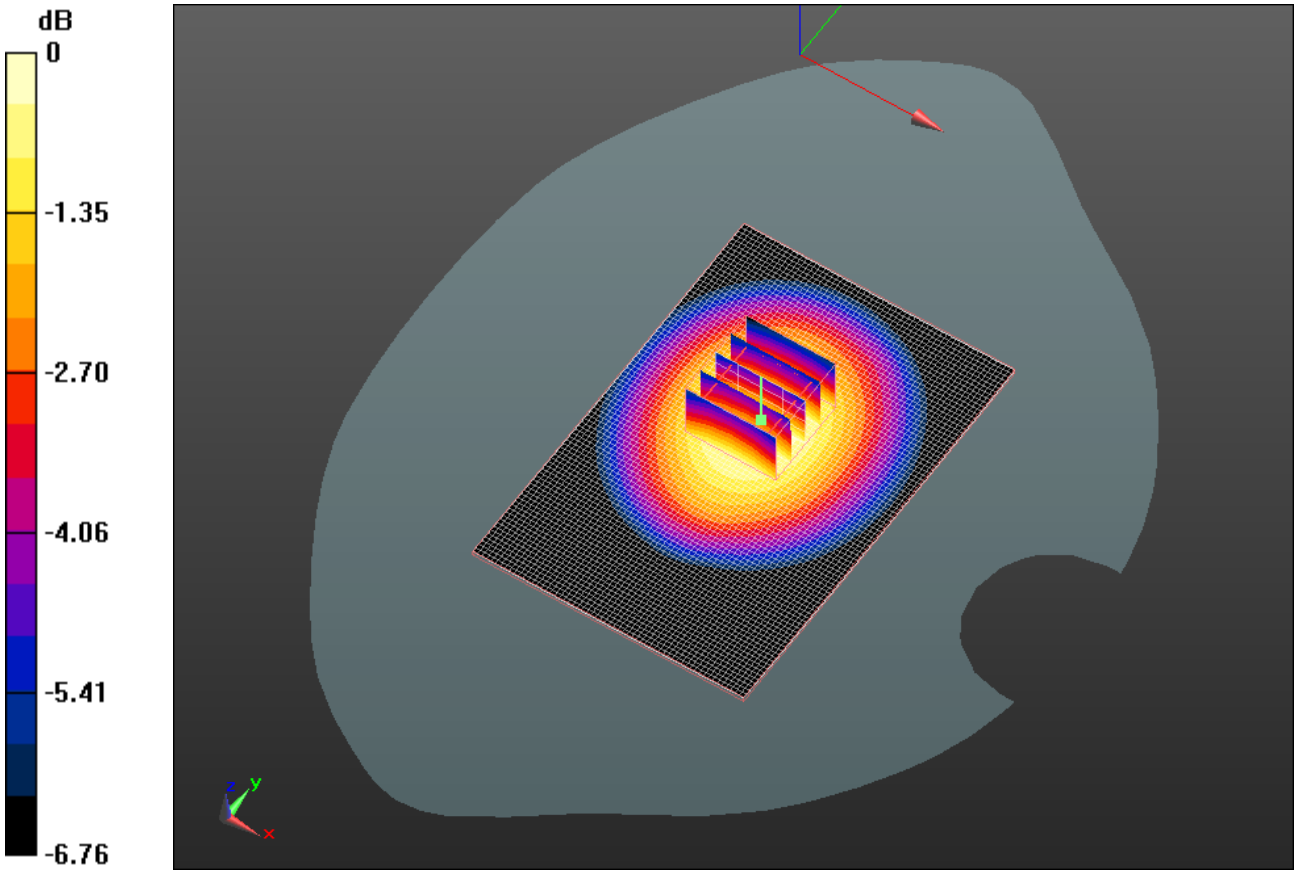
- Probe: ES3DV3 - SN3225; ConvF(6.3, 6.3, 6.3); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

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) = 0.942 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x5)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 29.903 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 1.115 W/kg
SAR(1 g) = 0.879 mW/g; SAR(10 g) = 0.645 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.932 mW/g



0 dB = 0.930mW/g

Date/Time: 6/7/2011 6:43:33 PM, Date/Time: 6/7/2011 6:50:46 PM

Test Laboratory: RIM Testing Services

15mm_Spacer_Front_GPRS850_mid_chan_amb_temp_23.1_liq_temp_21.9C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 279CCF51

Communication System: GPRS 850; Communication System Band: GPRS 850;
Frequency: 836.8 MHz;Communication System PAR: 6.232 dB
Medium parameters used (interpolated): f = 836.8 MHz; σ = 0.994 mho/m; ε_r = 53.676; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

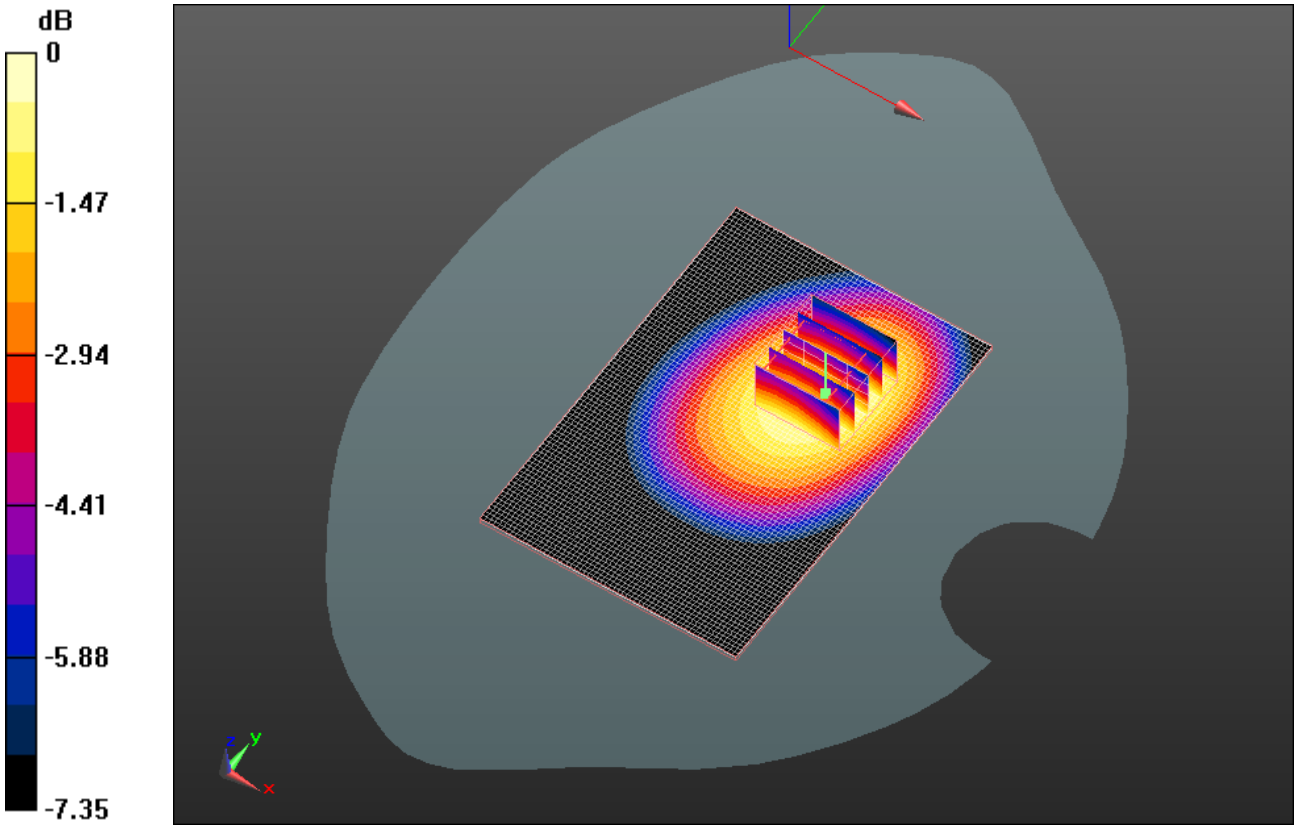
- Probe: ES3DV3 - SN3225; ConvF(6.3, 6.3, 6.3); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

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) = 0.751 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x5)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 23.394 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.930 W/kg
SAR(1 g) = 0.701 mW/g; SAR(10 g) = 0.504 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.752 mW/g



0 dB = 0.750mW/g

Date/Time: 6/7/2011 7:00:23 PM, Date/Time: 6/7/2011 7:07:37 PM

Test Laboratory: RIM Testing Services

15mm_Spacer_Back_Headset_GPRS850_high_chan_amb_temp_23.1_liq_temp_22.0C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 279CCF51

Communication System: GPRS 850; Communication System Band: GPRS 850;
Frequency: 848.8 MHz;Communication System PAR: 6.232 dB
Medium parameters used (interpolated): f = 848.8 MHz; σ = 1.004 mho/m; ε_r = 53.541; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

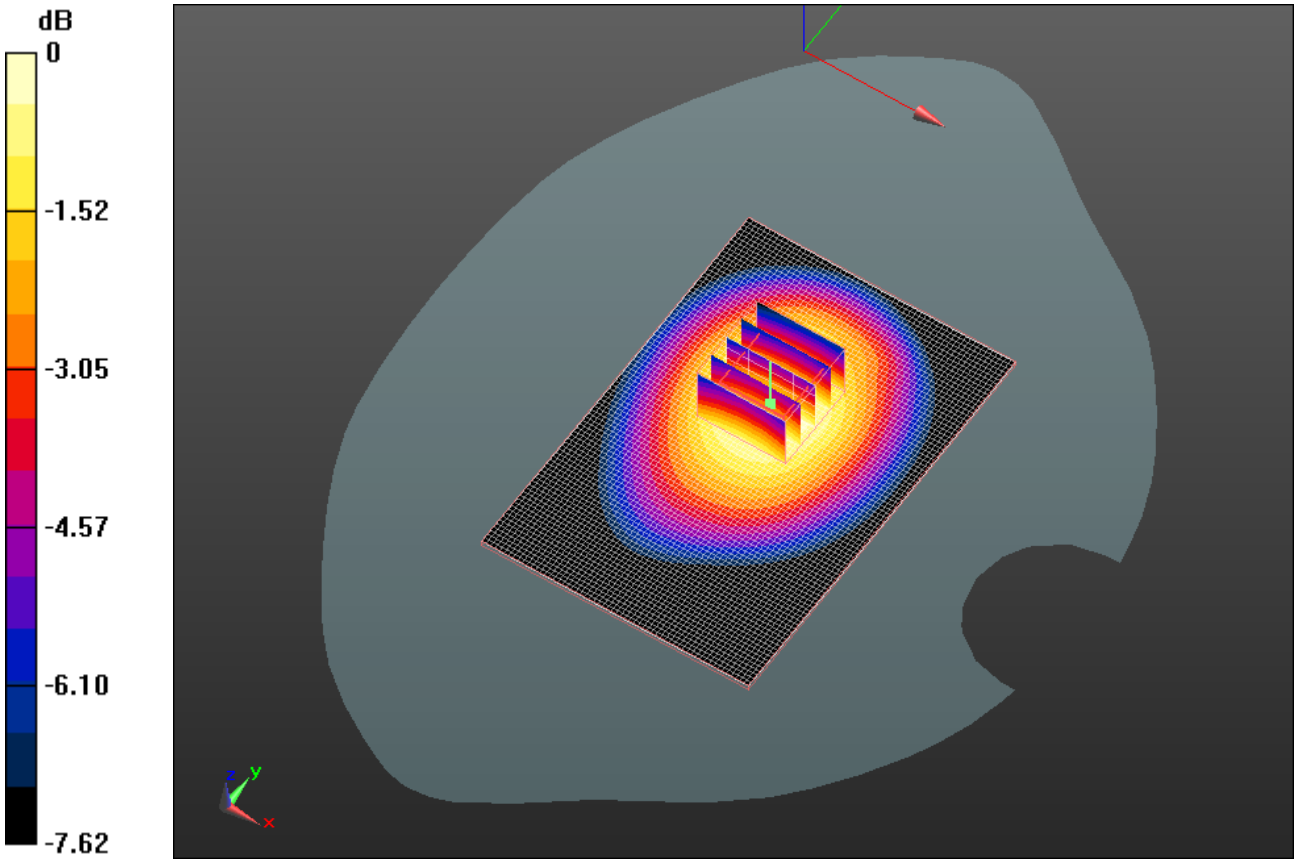
- Probe: ES3DV3 - SN3225; ConvF(6.3, 6.3, 6.3); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

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) = 0.816 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x5)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 26.663 V/m; Power Drift = -0.17 dB
Peak SAR (extrapolated) = 1.016 W/kg
SAR(1 g) = 0.753 mW/g; SAR(10 g) = 0.538 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.803 mW/g



0 dB = 0.800mW/g

Date/Time: 5/3/2011 12:54:51 PM, Date/Time: 5/3/2011 1:01:44 PM

Test Laboratory: RIM Testing Services

15mm_Spacer_Back_GSM1900_mid_chan_amb_temp_23.2_liq_temp_22.3C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 27269EDE

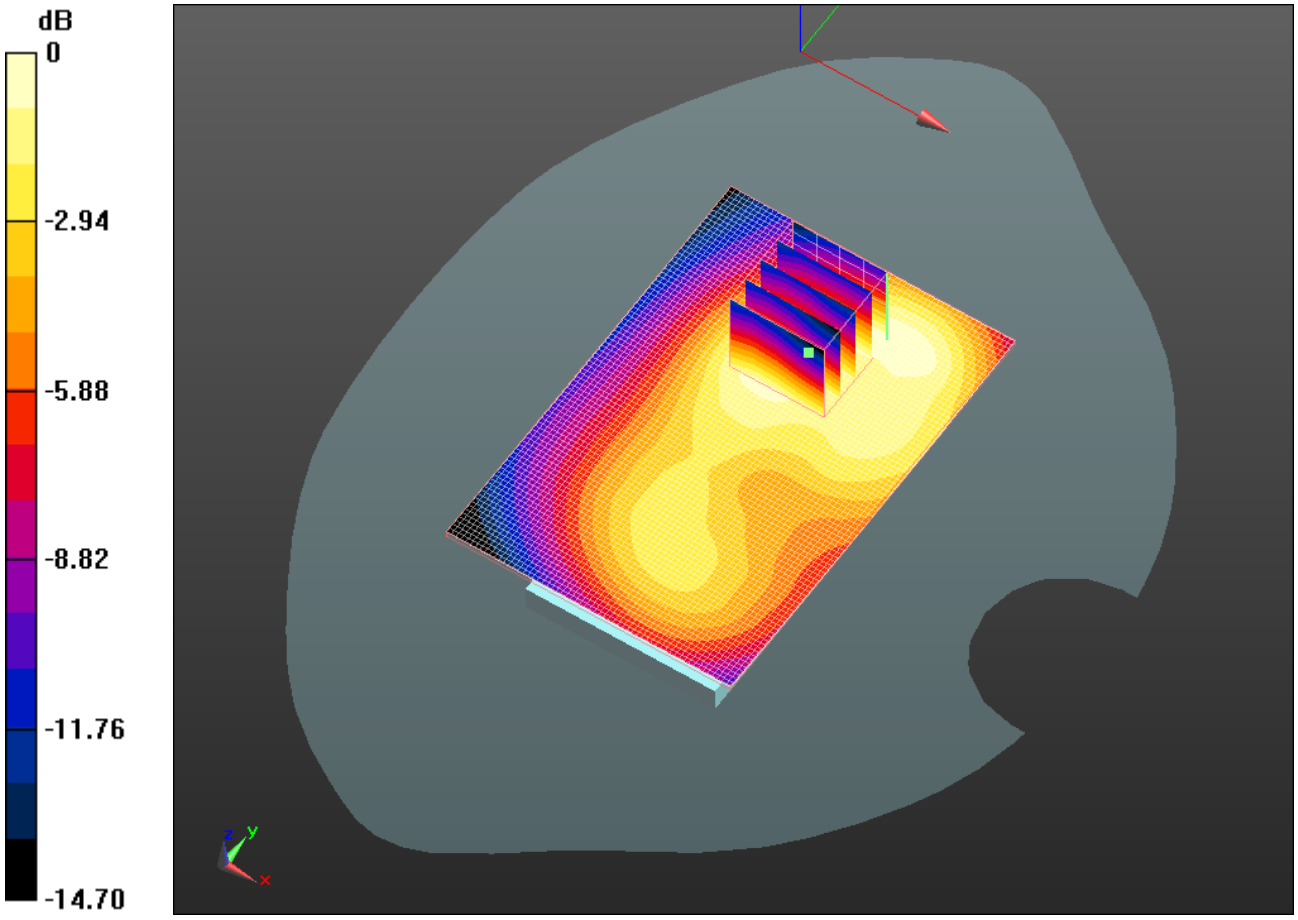
Communication System: GSM 1900; Frequency: 1880 MHz;Communication System PAR: 9.191 dB
Medium parameters used: f = 1880 MHz; σ = 1.494 mho/m; ε_r = 51.549; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.88, 4.88, 4.88); Calibrated: 1/13/2011
- 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
Maximum value of SAR (interpolated) = 0.262 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 8.890 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 0.356 W/kg
SAR(1 g) = 0.237 mW/g; SAR(10 g) = 0.149 mW/g
Maximum value of SAR (measured) = 0.256 mW/g



0 dB = 0.260mW/g

Date/Time: 5/3/2011 1:38:58 PM, Date/Time: 5/3/2011 1:45:52 PM

Test Laboratory: RIM Testing Services

Vertical_Holster_Back_GSM1900_mid_chan_amb_temp_23.1_liq_temp_22.2C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 27269EDE

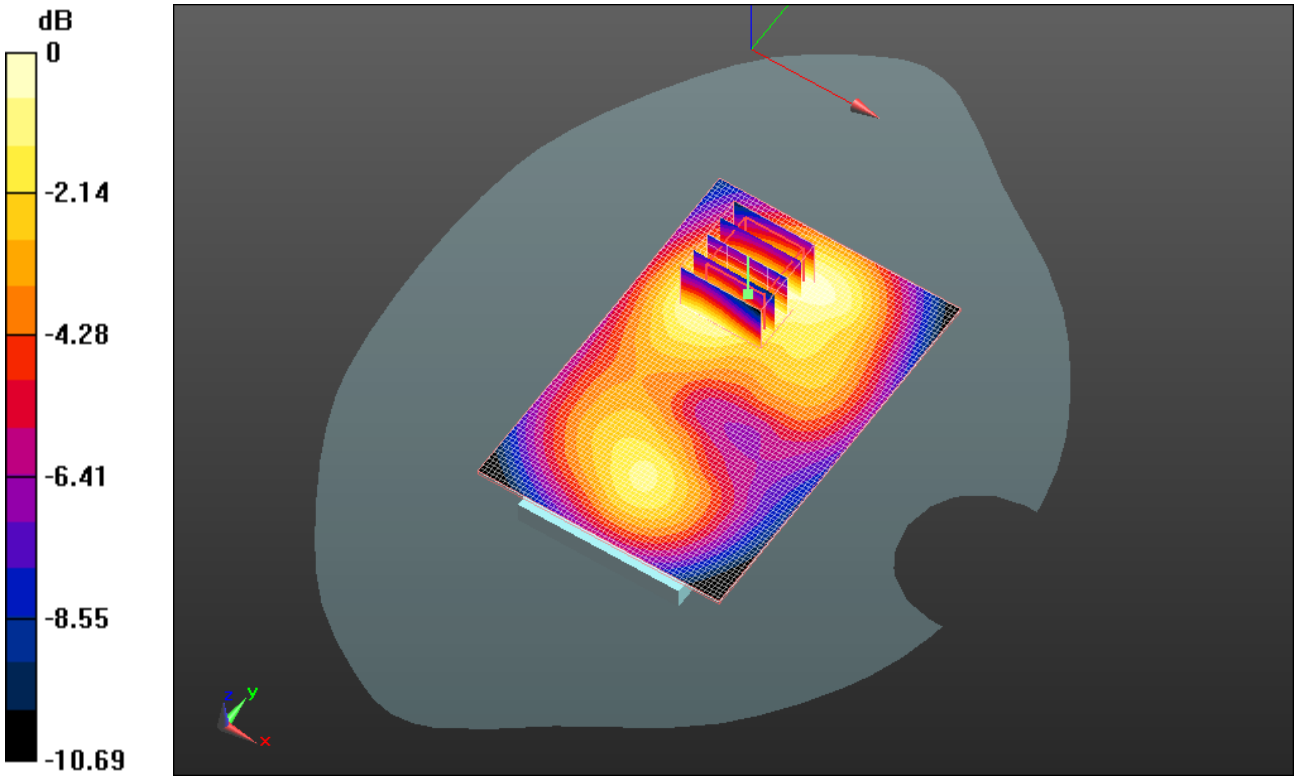
Communication System: GSM 1900; Frequency: 1880 MHz;Communication System PAR: 9.191 dB
Medium parameters used: f = 1880 MHz; σ = 1.494 mho/m; ε_r = 51.549; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.88, 4.88, 4.88); Calibrated: 1/13/2011
- 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
Maximum value of SAR (interpolated) = 0.202 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x5)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 5.974 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.268 W/kg
SAR(1 g) = 0.185 mW/g; SAR(10 g) = 0.119 mW/g
Maximum value of SAR (measured) = 0.198 mW/g



0 dB = 0.200mW/g

Date/Time: 5/3/2011 1:22:38 PM, Date/Time: 5/3/2011 1:29:31 PM

Test Laboratory: RIM Testing Services

15mm_Spacer_Front_GSM1900_mid_chan_amb_temp_23.2_liq_temp_22.3C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 27269EDE

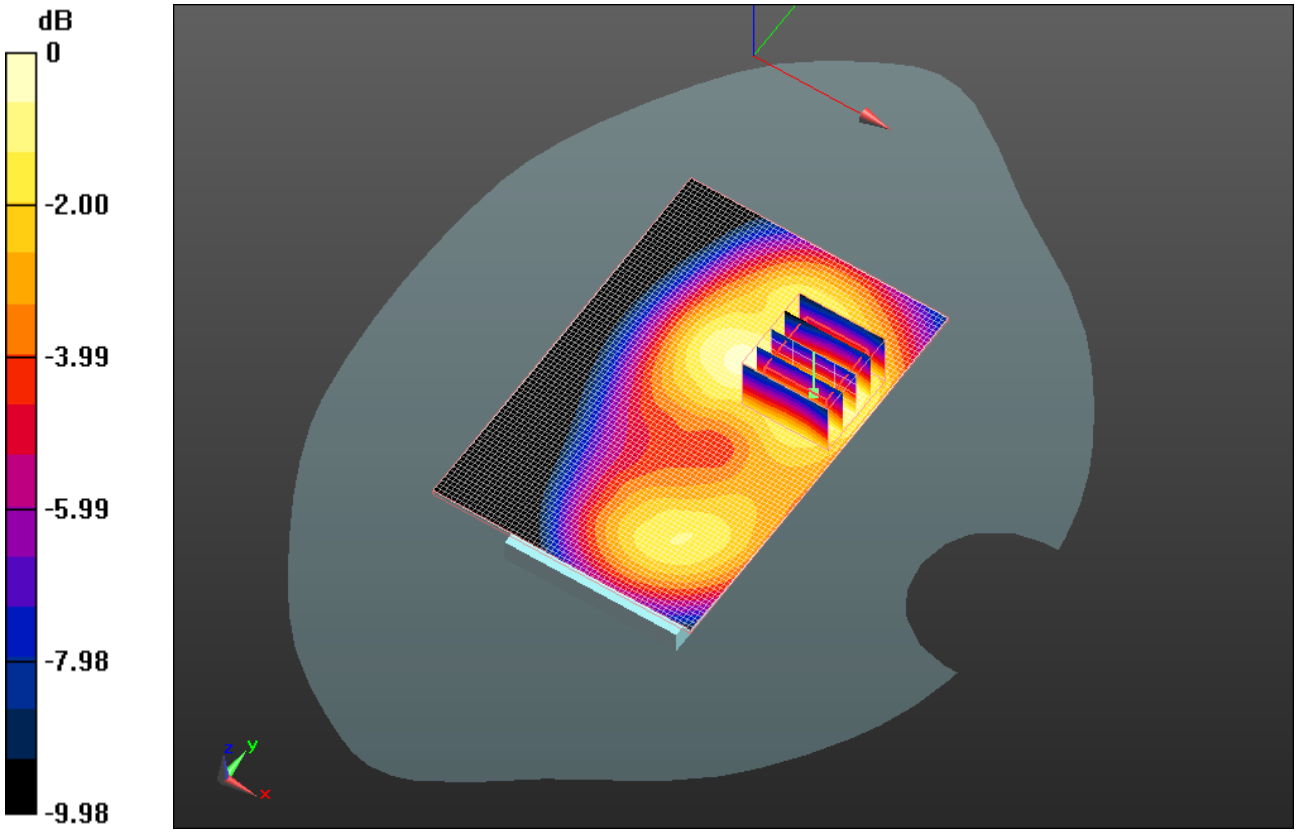
Communication System: GSM 1900; Frequency: 1880 MHz;Communication System PAR: 9.191 dB
Medium parameters used: f = 1880 MHz; σ = 1.494 mho/m; ε_r = 51.549; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.88, 4.88, 4.88); Calibrated: 1/13/2011
- 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
Maximum value of SAR (interpolated) = 0.235 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x5)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 7.800 V/m; Power Drift = 0.0085 dB
Peak SAR (extrapolated) = 0.324 W/kg
SAR(1 g) = 0.214 mW/g; SAR(10 g) = 0.131 mW/g
Maximum value of SAR (measured) = 0.234 mW/g



0 dB = 0.230mW/g

Date/Time: 5/3/2011 1:52:40 PM, Date/Time: 5/3/2011 1:59:36 PM

Test Laboratory: RIM Testing Services

15mm_Spacer_Back_Headset_GSM1900_mid_chan_amb_temp_23.1_liq_temp_22.2C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 27269EDE

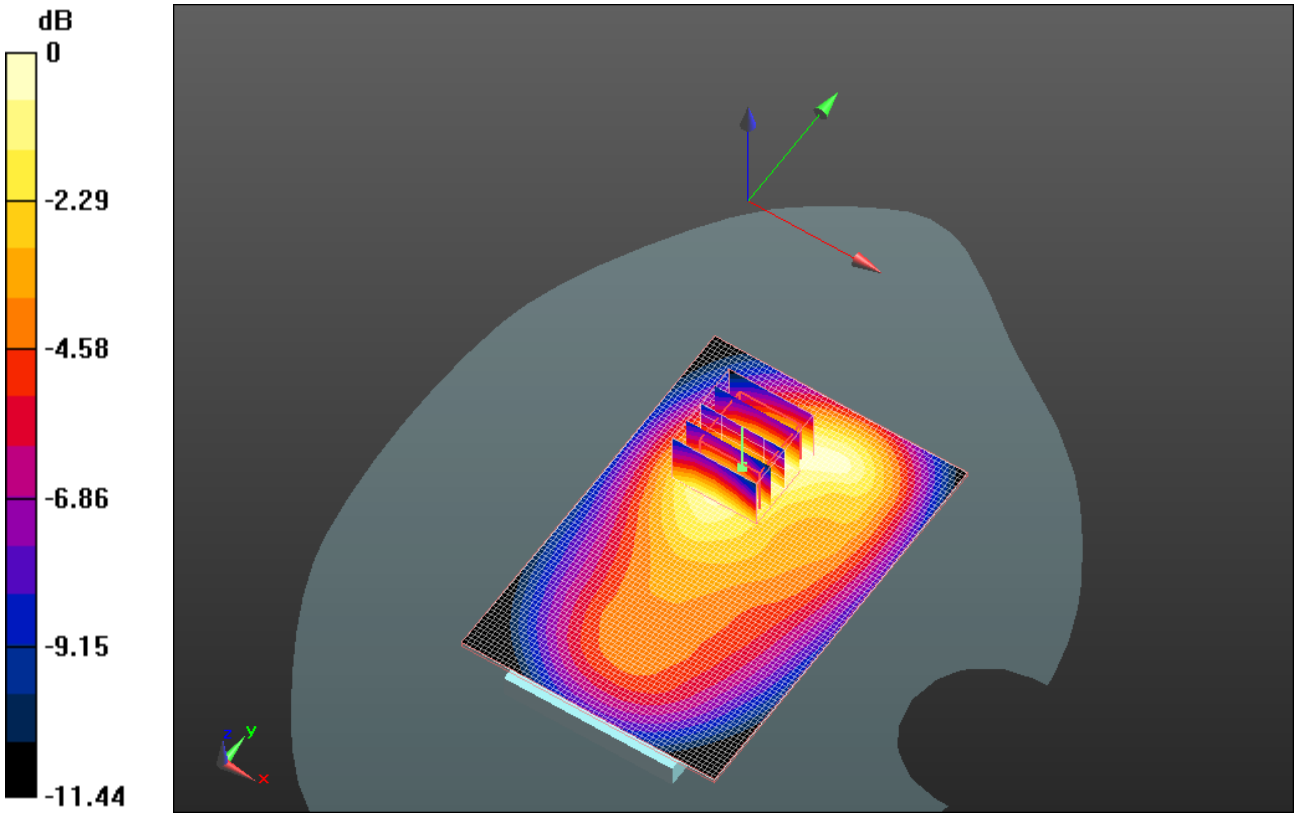
Communication System: GSM 1900; Frequency: 1880 MHz;Communication System PAR: 9.191 dB
Medium parameters used: f = 1880 MHz; σ = 1.494 mho/m; ε_r = 51.549; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.88, 4.88, 4.88); Calibrated: 1/13/2011
- 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
Maximum value of SAR (interpolated) = 0.336 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x5)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 10.175 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.431 W/kg
SAR(1 g) = 0.292 mW/g; SAR(10 g) = 0.183 mW/g
Maximum value of SAR (measured) = 0.320 mW/g



0 dB = 0.320mW/g

Date/Time: 5/6/2011 12:13:34 PM, Date/Time: 5/6/2011 12:43:29 PM

Test Laboratory: RIM Testing Services

15mm_Spacer_Back_Headset_GPRS1900_mid_chan_amb_temp_23.3_liq_temp_22.4C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 27269EDE

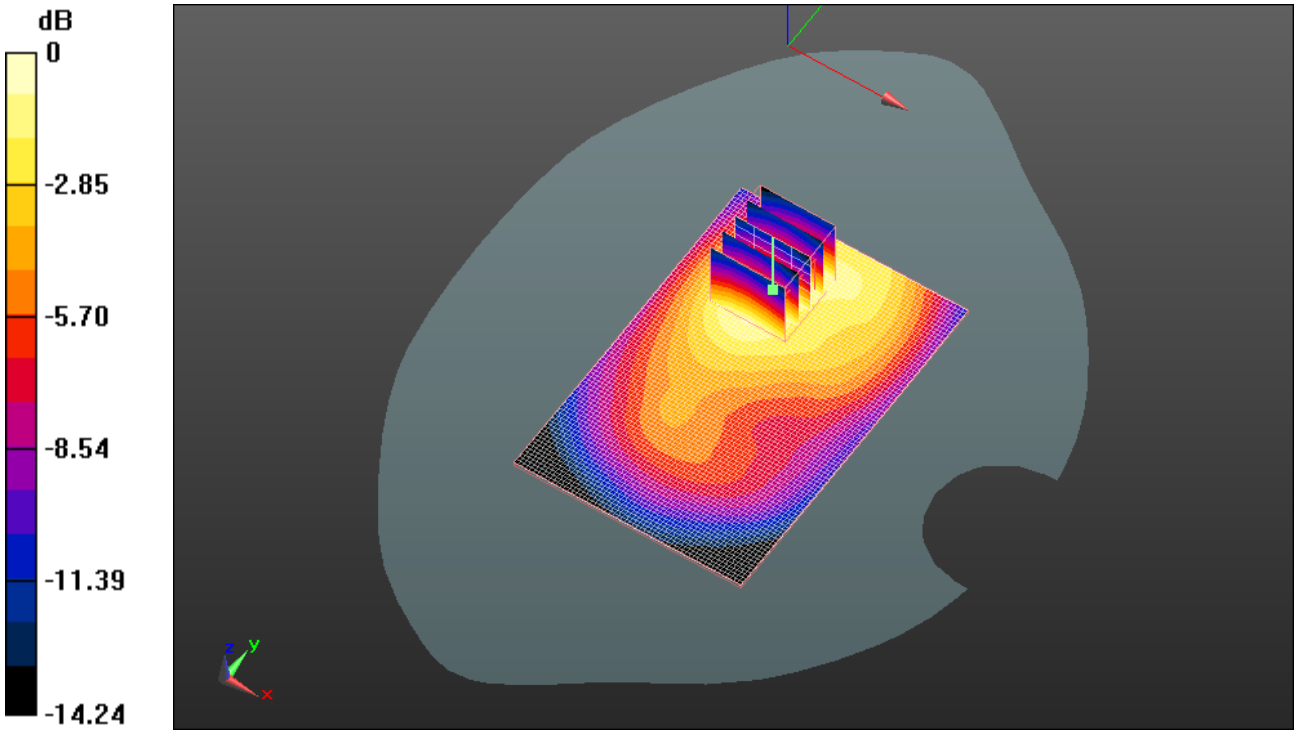
Communication System: GPRS 1900; Frequency: 1880 MHz;Communication System PAR: 6.232 dB
Medium parameters used: f = 1880 MHz; σ = 1.329 mho/m; ε_r = 38.5; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(5.26, 5.26, 5.26); Calibrated: 1/13/2011
- 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
Maximum value of SAR (interpolated) = 0.294 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 8.763 V/m; Power Drift = 0.53 dB
Peak SAR (extrapolated) = 0.441 W/kg
SAR(1 g) = 0.282 mW/g; SAR(10 g) = 0.175 mW/g
Maximum value of SAR (measured) = 0.303 mW/g



0 dB = 0.300mW/g

Date/Time: 6/8/2011 10:08:42 PM, Date/Time: 6/8/2011 10:15:33 PM

Test Laboratory: RIM Testing Services

15mm_Spacer_Back_Headset_GPRS1900_mid_chan_amb_temp_23.2_liq_temp_22.3C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 279CCF51

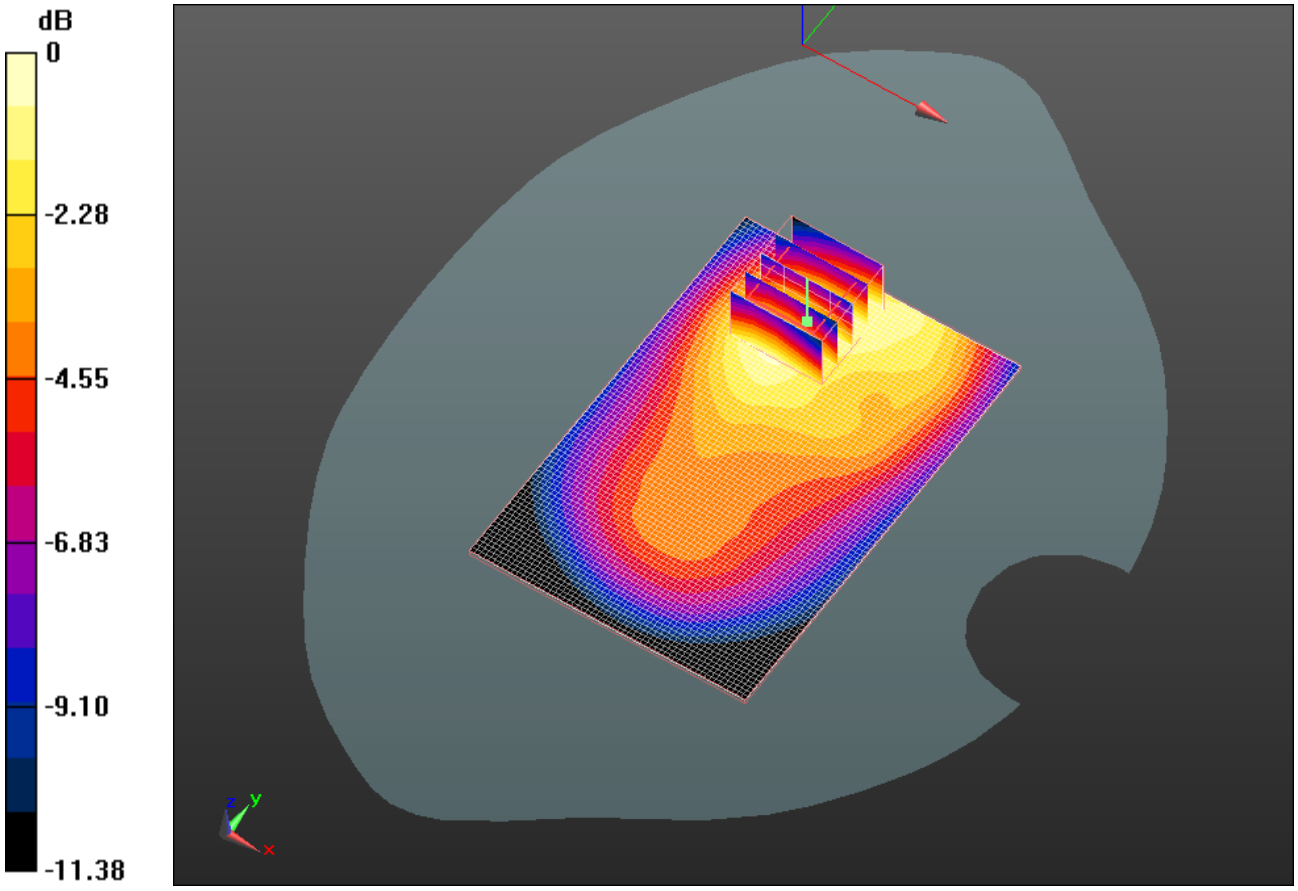
Communication System: GPRS 1900; Communication System Band: GPRS 1900;
Frequency: 1880 MHz;Communication System PAR: 6.232 dB
Medium parameters used: f = 1880 MHz; σ = 1.507 mho/m; ε_r = 50.934; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.88, 4.88, 4.88); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- 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
Maximum value of SAR (interpolated) = 0.352 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x5)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 10.055 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 0.461 W/kg
SAR(1 g) = 0.311 mW/g; SAR(10 g) = 0.194 mW/g
Maximum value of SAR (measured) = 0.339 mW/g



0 dB = 0.340mW/g

Date/Time: 4/13/2011 7:50:30 PM, Date/Time: 4/13/2011 7:55:50 PM

Test Laboratory: RIM Testing Services

15mm_Spacer_Back_UMTS_band_IV_mid_chan_amb_temp_24.0_liq_temp_22.5C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 27269EDE

Communication System: WCDMA FDD IV; Frequency: 1732.6 MHz;Communication System PAR: 0 dB
Medium parameters used (interpolated): f = 1732.6 MHz; σ = 1.351 mho/m; ε_r = 52.572; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

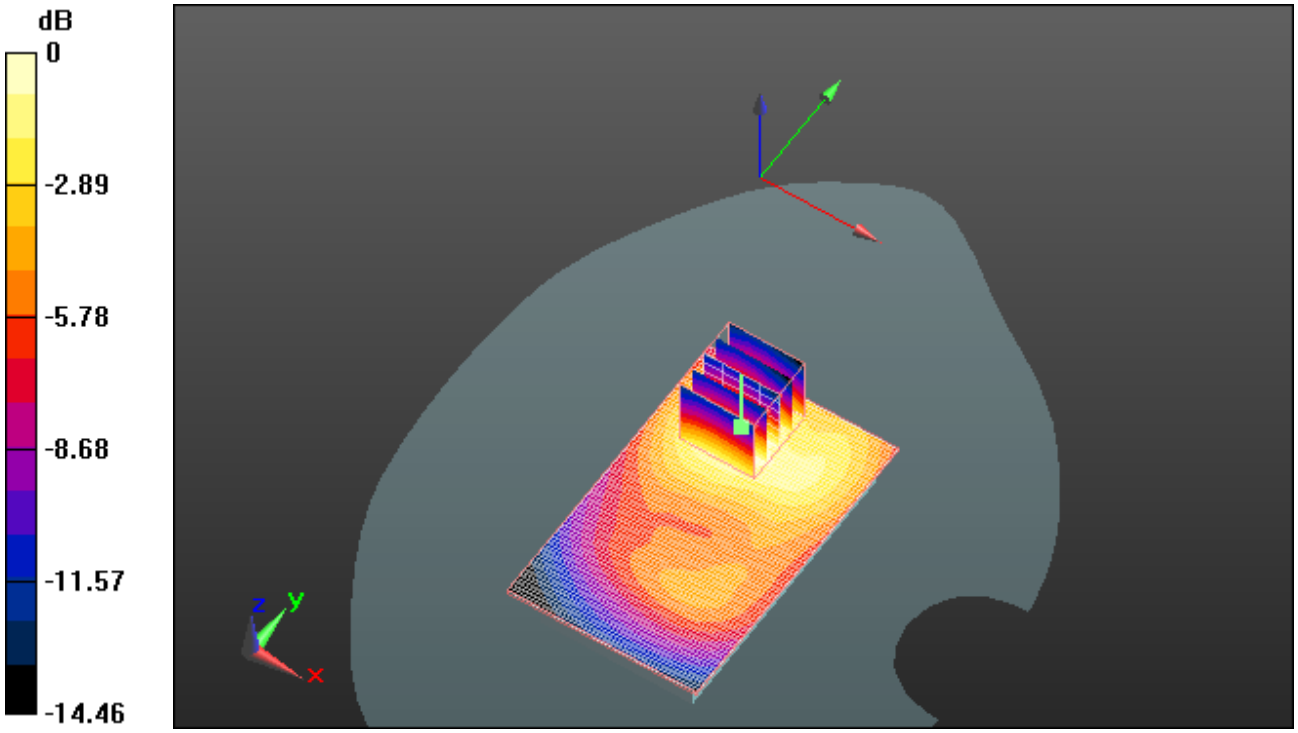
- Probe: ES3DV3 - SN3225; ConvF(4.88, 4.88, 4.88); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

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) = 0.424 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 9.912 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.575 W/kg
SAR(1 g) = 0.388 mW/g; SAR(10 g) = 0.244 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.418 mW/g



0 dB = 0.420mW/g

Date/Time: 4/13/2011 8:05:03 PM, Date/Time: 4/13/2011 8:10:24 PM

Test Laboratory: RIM Testing Services

Vertical_Holster_Back_UMTS_band_IV_mid_chan_amb_temp_24.1_liq_temp_22.6C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 27269EDE

Communication System: WCDMA FDD IV; Frequency: 1732.6 MHz;Communication System PAR: 0 dB
Medium parameters used (interpolated): f = 1732.6 MHz; σ = 1.351 mho/m; ε_r = 52.572; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

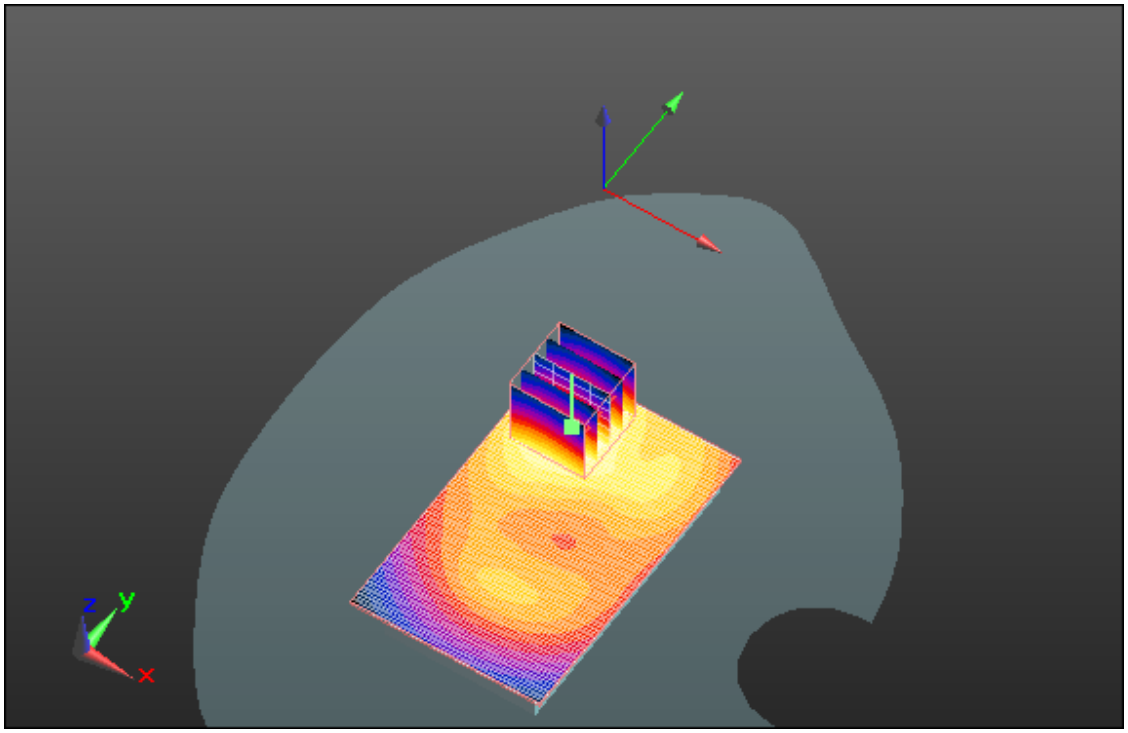
- Probe: ES3DV3 - SN3225; ConvF(4.88, 4.88, 4.88); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

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) = 0.281 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 7.958 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.379 W/kg
SAR(1 g) = 0.256 mW/g; SAR(10 g) = 0.162 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.278 mW/g



0 dB = 0.280mW/g

Date/Time: 4/13/2011 8:20:48 PM, Date/Time: 4/13/2011 8:26:10 PM

Test Laboratory: RIM Testing Services

15mm_Spacer_Front_UMTS_band_IV_mid_chan_amb_temp_24.1_liq_temp_22.6C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 27269EDE

Communication System: WCDMA FDD IV; Frequency: 1732.6 MHz;Communication System PAR: 0 dB
Medium parameters used (interpolated): f = 1732.6 MHz; σ = 1.351 mho/m; ε_r = 52.572; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

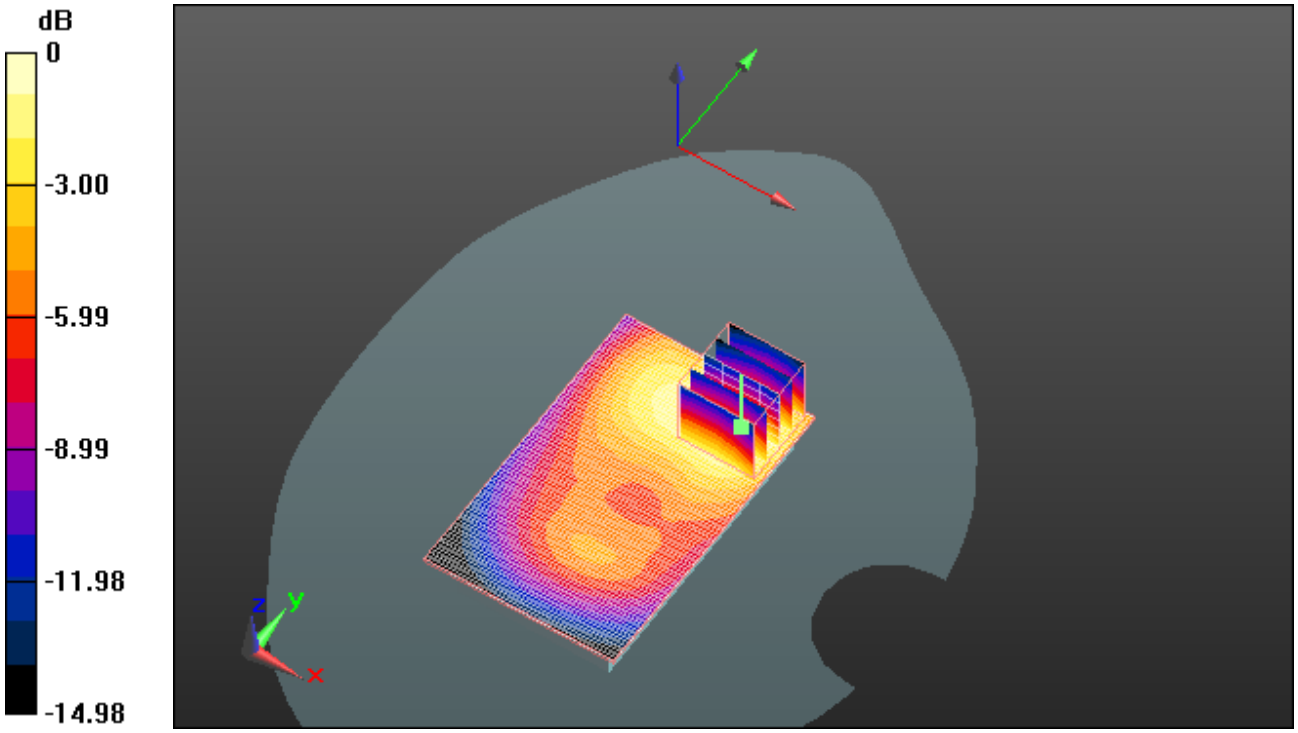
- Probe: ES3DV3 - SN3225; ConvF(4.88, 4.88, 4.88); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

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) = 0.506 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 10.058 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 0.721 W/kg
SAR(1 g) = 0.470 mW/g; SAR(10 g) = 0.286 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.514 mW/g



0 dB = 0.510mW/g

Date/Time: 4/13/2011 8:35:41 PM, Date/Time: 4/13/2011 8:40:59 PM

Test Laboratory: RIM Testing Services

15mm_Spacer_Front_Headset_UMTS_band_IV_mid_chan_amb_temp_24.0_liq_temp_22.5C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 27269EDE

Communication System: WCDMA FDD IV; Frequency: 1732.6 MHz;Communication System PAR: 0 dB
Medium parameters used (interpolated): f = 1732.6 MHz; σ = 1.351 mho/m; ε_r = 52.572; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

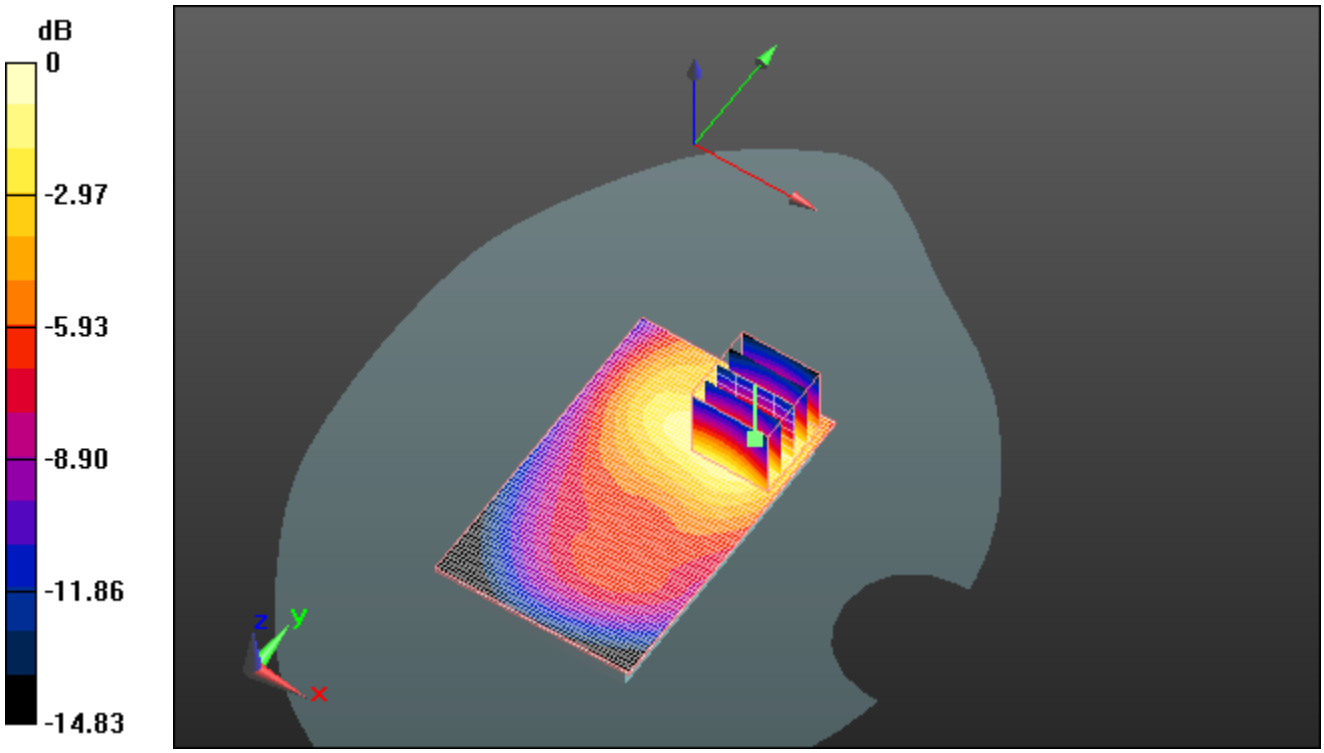
- Probe: ES3DV3 - SN3225; ConvF(4.88, 4.88, 4.88); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

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) = 0.583 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 11.536 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.821 W/kg
SAR(1 g) = 0.534 mW/g; SAR(10 g) = 0.324 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.577 mW/g



0 dB = 0.580mW/g

Date/Time: 4/27/2011 6:26:47 PM, Date/Time: 4/27/2011 6:33:43 PM

Test Laboratory: RIM Testing Services

15mm_Spacer_Back_802.11b_low_chan_amb_temp_23.2_liq_temp_22.3C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 27269EDE

Communication System: 802.11 b (2450); Frequency: 2412 MHz;Communication System PAR: 0 dB
Medium parameters used (interpolated): f = 2412 MHz; σ = 1.98 mho/m; ε_r = 50.261; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

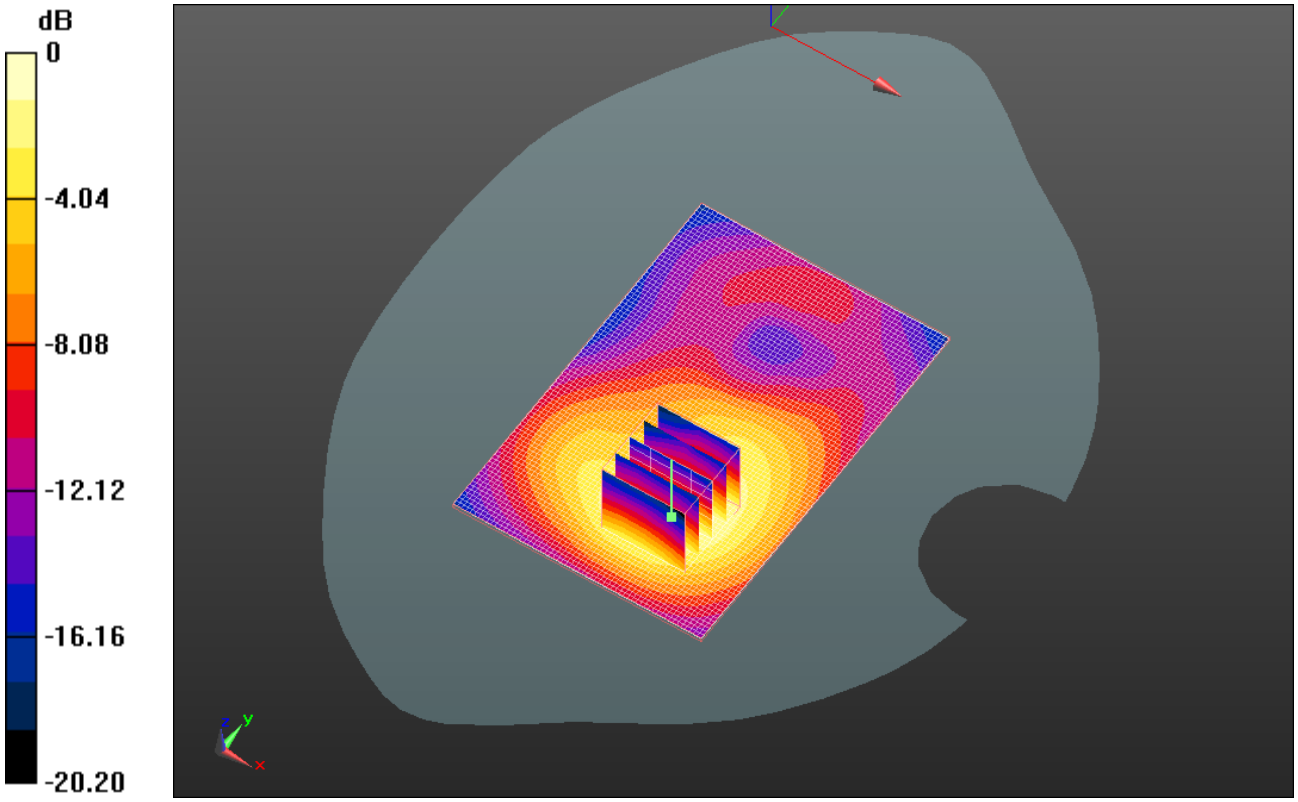
- Probe: ES3DV3 - SN3225; ConvF(4.43, 4.43, 4.43); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

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) = 0.162 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 3.844 V/m; Power Drift = 0.41 dB
Peak SAR (extrapolated) = 0.273 W/kg
SAR(1 g) = 0.148 mW/g; SAR(10 g) = 0.080 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.161 mW/g



0 dB = 0.160mW/g

Date/Time: 4/27/2011 7:01:30 PM, Date/Time: 4/27/2011 7:08:25 PM

Test Laboratory: RIM Testing Services

Vertical_Holster_Back_802.11b_low_chan_amb_temp_23.1_liq_temp_22.2C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 27269EDE

Communication System: 802.11 b (2450); Frequency: 2412 MHz;Communication System PAR: 0 dB
Medium parameters used (interpolated): f = 2412 MHz; σ = 1.98 mho/m; ε_r = 50.261; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

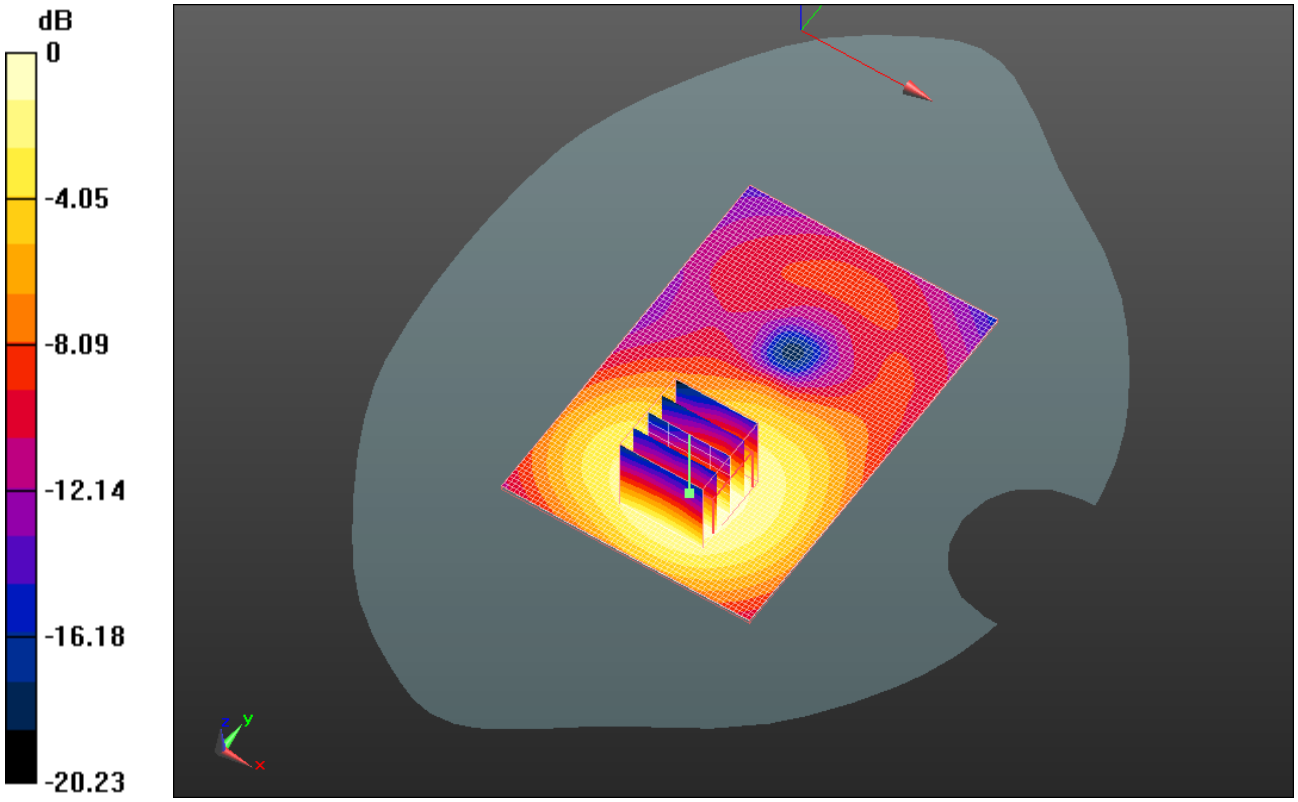
- Probe: ES3DV3 - SN3225; ConvF(4.43, 4.43, 4.43); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

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) = 0.124 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 4.126 V/m; Power Drift = 0.20 dB
Peak SAR (extrapolated) = 0.205 W/kg
SAR(1 g) = 0.114 mW/g; SAR(10 g) = 0.065 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.125 mW/g



0 dB = 0.120mW/g

Date/Time: 4/27/2011 6:45:04 PM, Date/Time: 4/27/2011 6:52:01 PM

Test Laboratory: RIM Testing Services

15mm_Spacer_Front_802.11b_low_chan_amb_temp_23.1_liq_temp_22.2C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 27269EDE

Communication System: 802.11 b (2450); Frequency: 2412 MHz;Communication System PAR: 0 dB
Medium parameters used (interpolated): f = 2412 MHz; σ = 1.98 mho/m; ε_r = 50.261; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

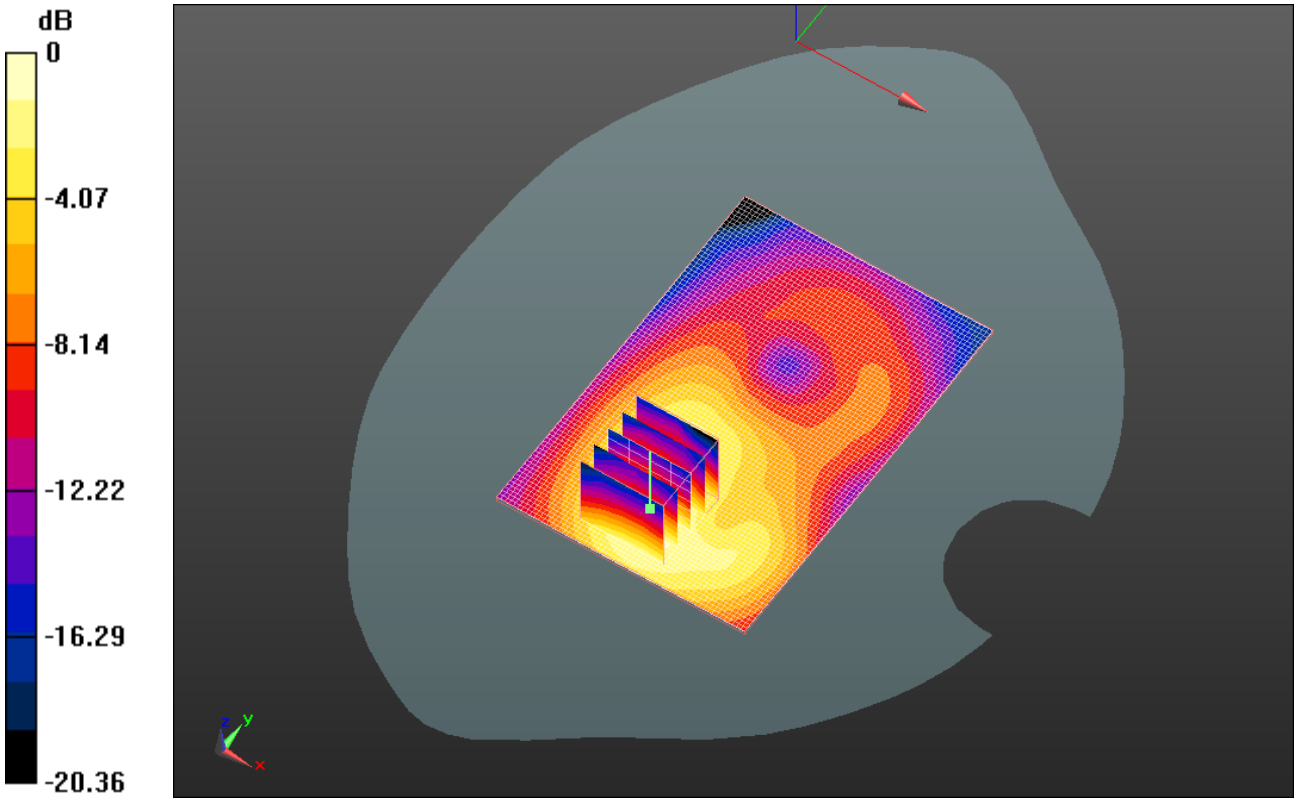
- Probe: ES3DV3 - SN3225; ConvF(4.43, 4.43, 4.43); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

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) = 0.085 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 3.350 V/m; Power Drift = 0.28 dB
Peak SAR (extrapolated) = 0.144 W/kg
SAR(1 g) = 0.080 mW/g; SAR(10 g) = 0.045 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.086 mW/g



0 dB = 0.090mW/g

Date/Time: 4/27/2011 9:13:29 PM, Date/Time: 4/27/2011 9:20:56 PM

Test Laboratory: RIM Testing Services

15mm_Spacer_Back_Headset_802.11b_low_chan_amb_temp_23.1_liq_temp_22.1C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 27269EDE

Communication System: 802.11 b (2450); Frequency: 2412 MHz;Communication System PAR: 0 dB
Medium parameters used (interpolated): f = 2412 MHz; σ = 1.98 mho/m; ε_r = 50.261; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

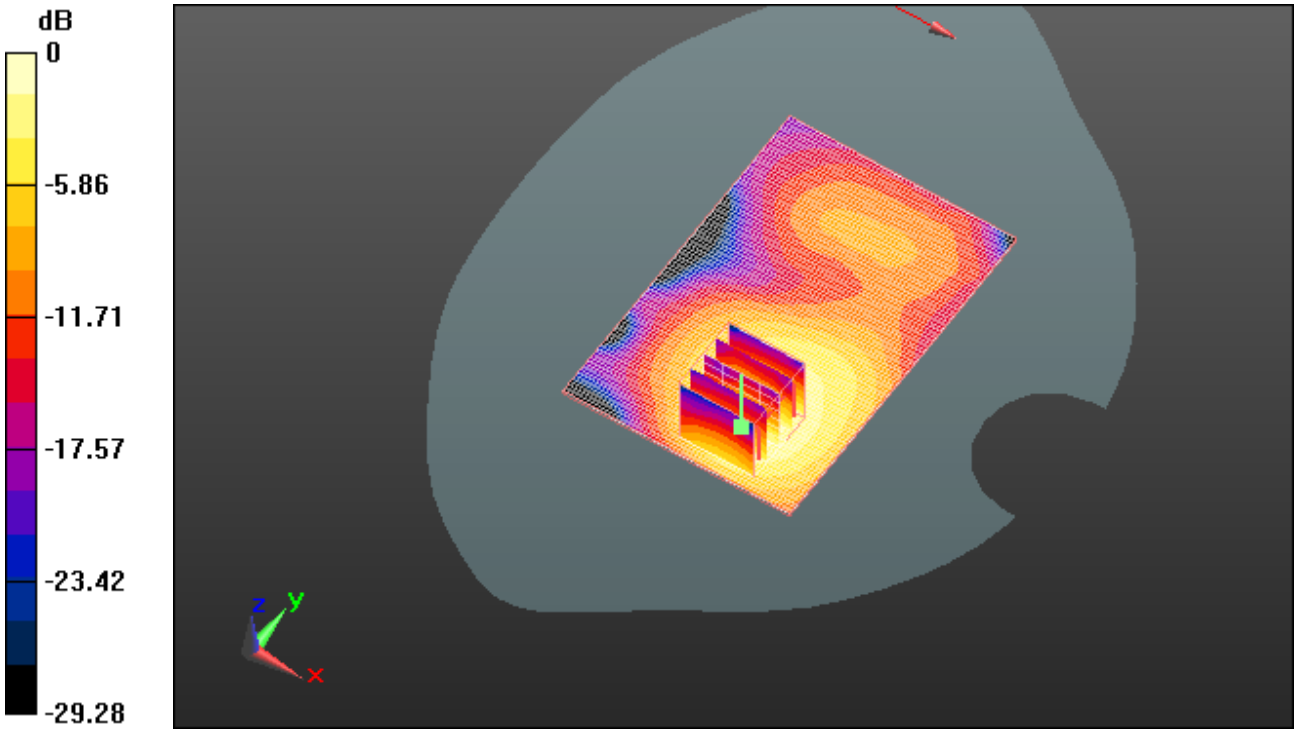
- Probe: ES3DV3 - SN3225; ConvF(4.43, 4.43, 4.43); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn473; Calibrated: 1/21/2011
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

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) = 0.073 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 2.347 V/m; Power Drift = 0.63 dB
Peak SAR (extrapolated) = 0.135 W/kg
SAR(1 g) = 0.068 mW/g; SAR(10 g) = 0.035 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.077 mW/g



0 dB = 0.080mW/g

Date/Time: 6/16/2011 10:22:37 AM, Date/Time: 6/16/2011 10:29:30 AM

Test Laboratory: RIM Testing Services

15mm_Spacer_Back_BT_mid_chan_amb_temp_23.3_liq_temp_22.1C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 279CCF51

Communication System: Bluetooth; Communication System Band: Bluetooth;
Frequency: 2441 MHz;Communication System PAR: 0 dB
Medium parameters used (interpolated): f = 2441 MHz; σ = 2.021 mho/m; ε_r = 50.158; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

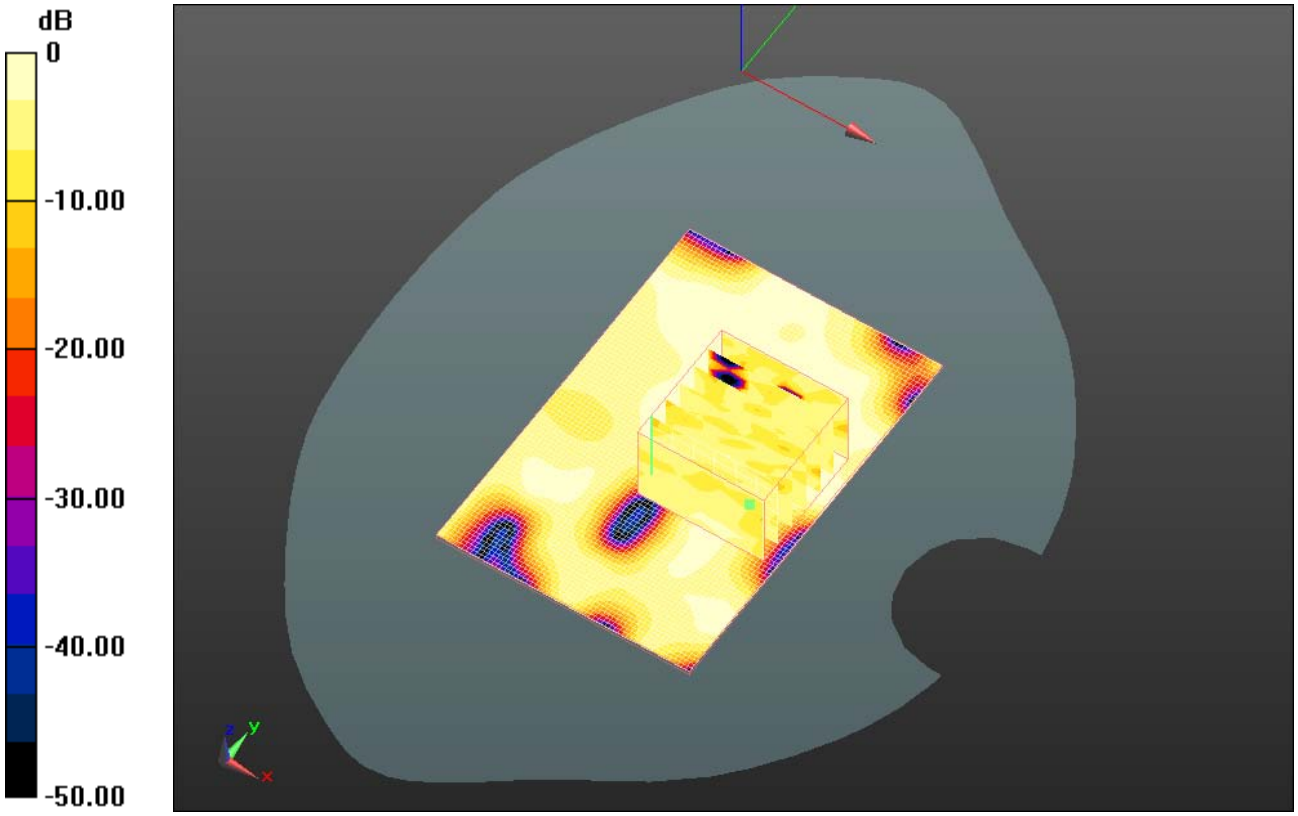
- Probe: ES3DV3 - SN3225; ConvF(4.43, 4.43, 4.43); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

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) = 0.00187 mW/g

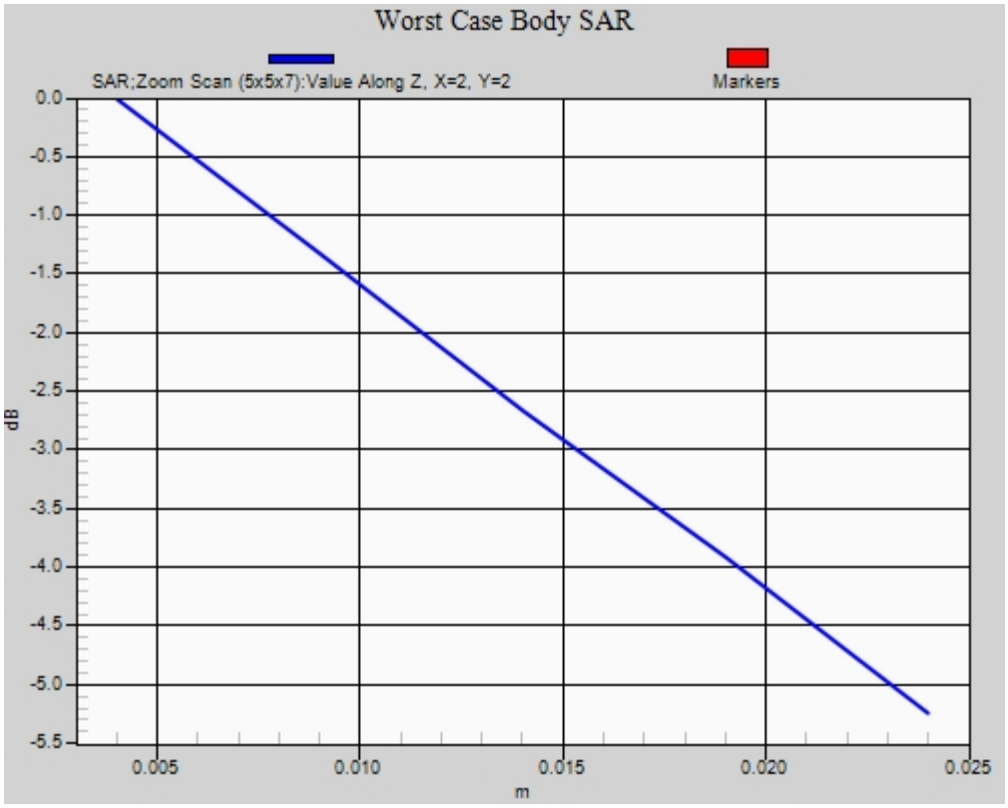
Configuration/Touch position -/Zoom Scan (5x5x7) (7x7x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 0.986 V/m; Power Drift = -0.0067 dB
Peak SAR (extrapolated) = 0.00448 W/kg
SAR(1 g) = 0.0015 mW/g; SAR(10 g) = 0.000873 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.00178 mW/g



0 dB = 0.0018mW/g

Z axis plot for the worst case body configuration:



Date/Time: 7/6/2011 3:35:28 PM, Date/Time: 7/6/2011 3:42:47 PM

Test Laboratory: RIM Testing Services

15mm_Spacer_Back_GPRS850_high_chan_amb_temp_23.2_liq_temp_22.3C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 279C7C6F

Communication System: GPRS 850; Communication System Band: GPRS 850;
Frequency: 848.8 MHz;Communication System PAR: 6.232 dB
Medium parameters used (interpolated): f = 848.8 MHz; σ = 1.026 mho/m; ε_r = 55.765; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

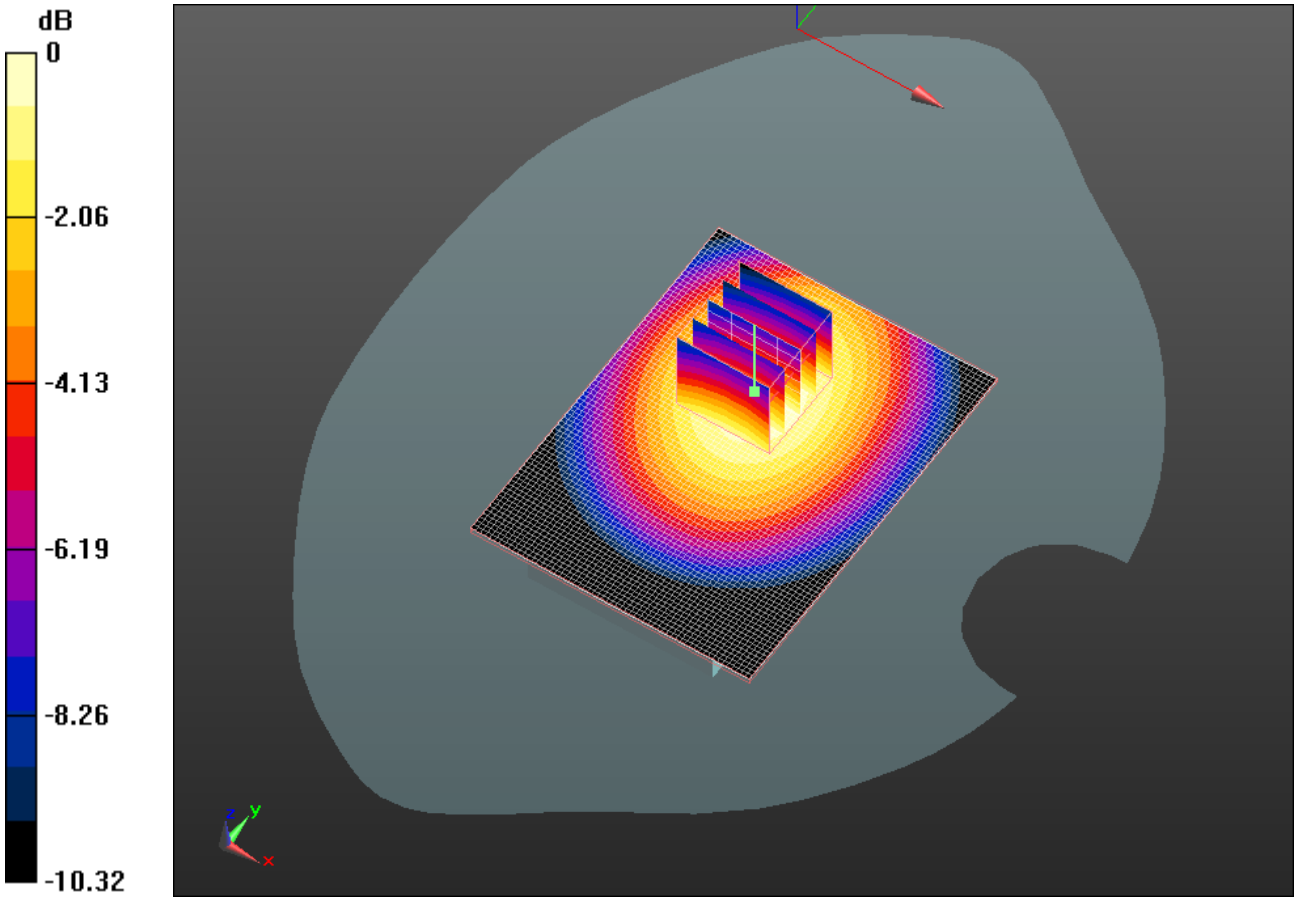
- Probe: ES3DV3 - SN3225; ConvF(6.12, 6.12, 6.12); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

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

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.946 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 28.333 V/m; Power Drift = -0.17 dB
Peak SAR (extrapolated) = 1.204 W/kg
SAR(1 g) = 0.887 mW/g; SAR(10 g) = 0.635 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.940 mW/g



0 dB = 0.940mW/g

Date/Time: 7/11/2011 8:25:48 PM, Date/Time: 7/11/2011 8:32:41 PM

Test Laboratory: RIM Testing Services

15mm_Spacer_Back_Headset_GPRS1900_mid_chan_amb_temp_23.3_liq_temp_22.4C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 279C7C6F

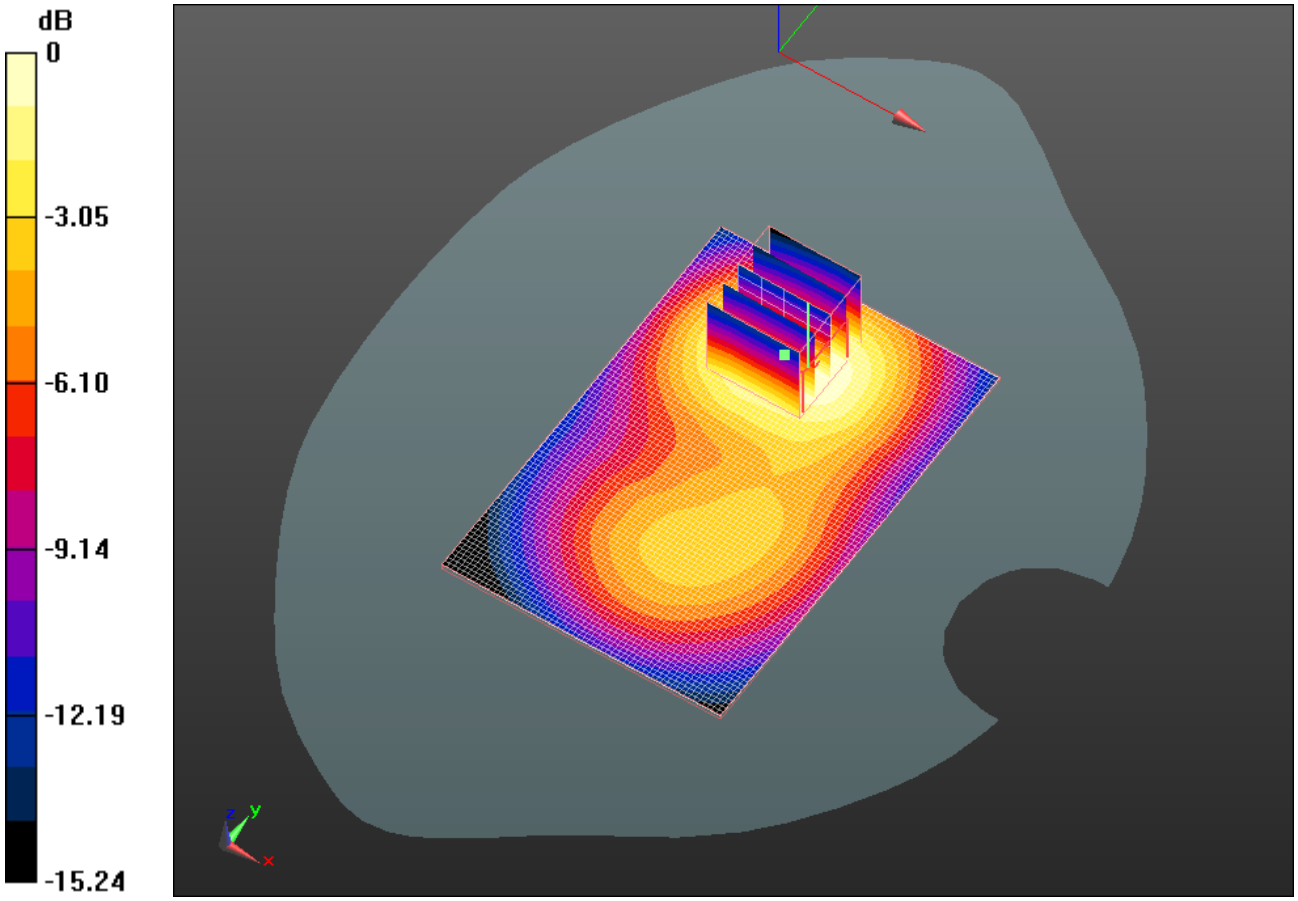
Communication System: GPRS 1900; Communication System Band: Exported from older format (data unavailable - please correct).; Frequency: 1880 MHz;Communication System PAR: 6.232 dB
Medium parameters used: f = 1880 MHz; σ = 1.547 mho/m; ε_r = 52.175; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.88, 4.88, 4.88); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- 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
Maximum value of SAR (interpolated) = 0.576 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 11.358 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 0.817 W/kg
SAR(1 g) = 0.513 mW/g; SAR(10 g) = 0.317 mW/g
Maximum value of SAR (measured) = 0.559 mW/g



0 dB = 0.560mW/g

Date/Time: 6/7/2011 7:50:58 PM, Date/Time: 6/7/2011 7:58:14 PM

Test Laboratory: RIM Testing Services

15mm_Spacer_Back_UMTS_band_V_low_chan_amb_temp_23.2_liq_temp_22.1C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 279C7C6F

Communication System: WCDMA FDD V; Communication System Band: UMTS band V; Frequency: 826.4 MHz;Communication System PAR: 0 dB
Medium parameters used (interpolated): f = 826.4 MHz; σ = 0.982 mho/m; ε_r = 53.775; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

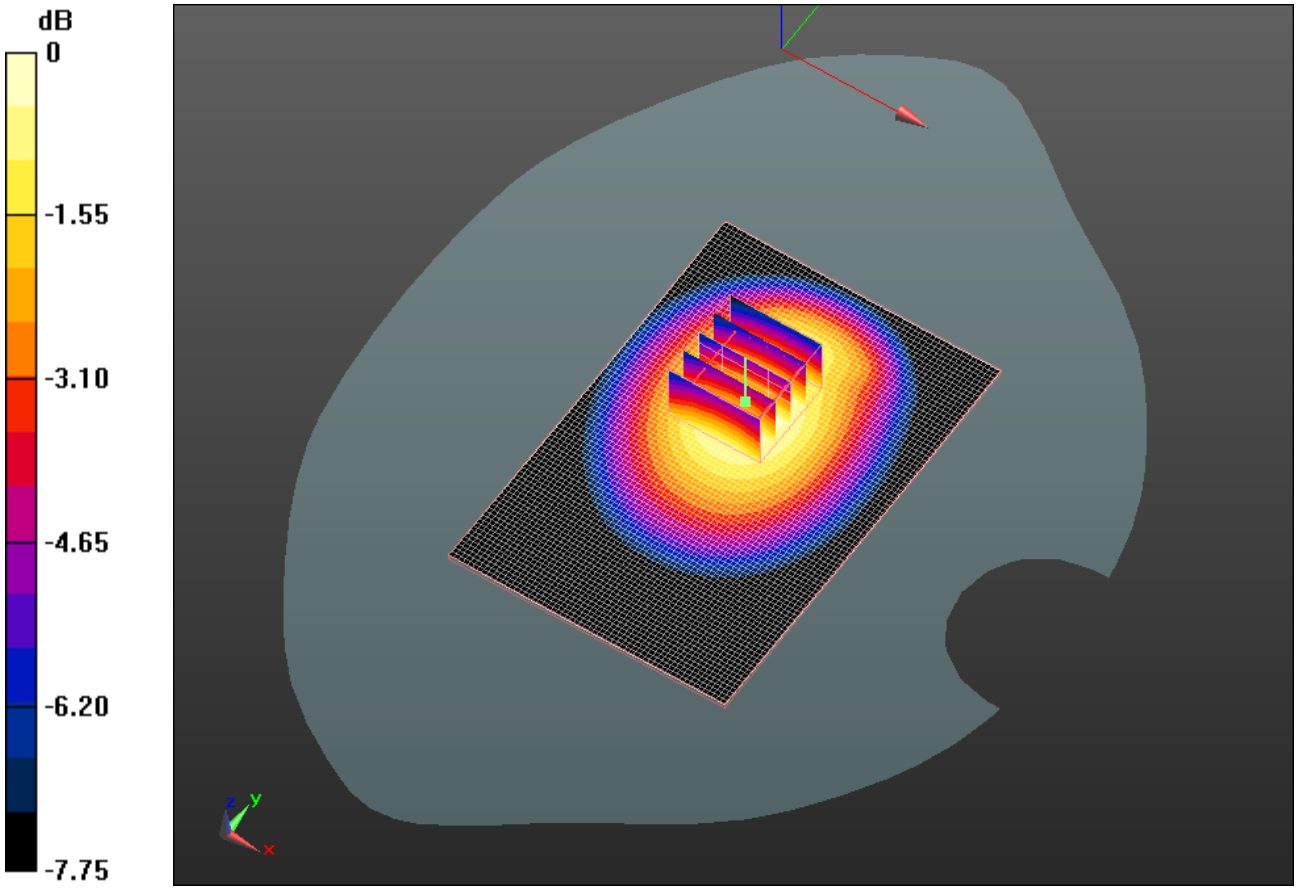
- Probe: ES3DV3 - SN3225; ConvF(6.3, 6.3, 6.3); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

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) (5x5x5)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 24.346 V/m; Power Drift = 0.0053 dB
Peak SAR (extrapolated) = 0.887 W/kg
SAR(1 g) = 0.667 mW/g; SAR(10 g) = 0.478 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.708 mW/g



0 dB = 0.710mW/g

Date/Time: 6/7/2011 7:29:32 PM, Date/Time: 6/7/2011 7:36:46 PM

Test Laboratory: RIM Testing Services

15mm_Spacer_Back_UMTS_band_V_mid_chan_amb_temp_23.1_liq_temp_22.0C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 279C7C6F

Communication System: WCDMA FDD V; Communication System Band: UMTS band V; Frequency: 836.4 MHz;Communication System PAR: 0 dB
Medium parameters used (interpolated): f = 836.4 MHz; σ = 0.993 mho/m; ε_r = 53.679; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

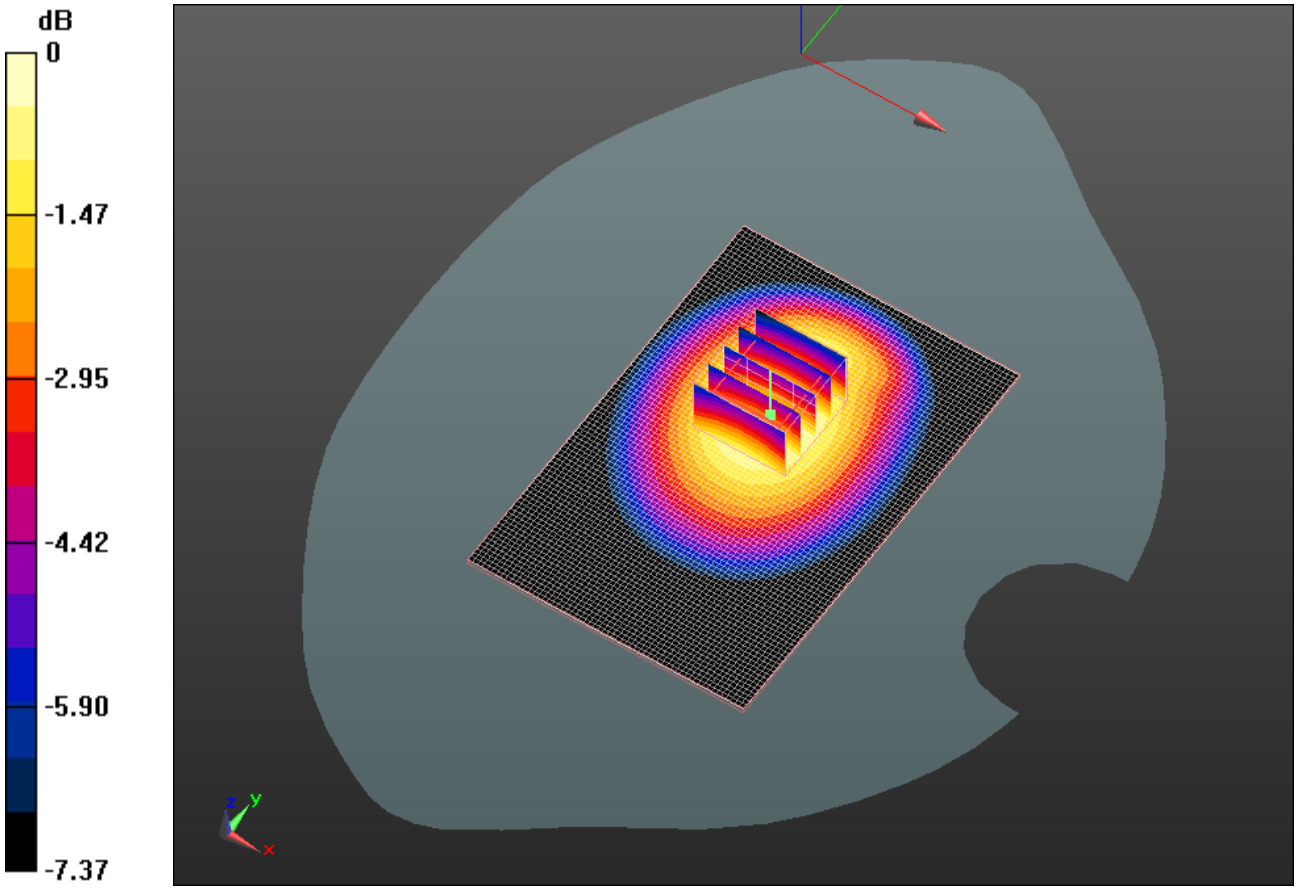
- Probe: ES3DV3 - SN3225; ConvF(6.3, 6.3, 6.3); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

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) = 0.846 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x5)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 26.954 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 1.053 W/kg
SAR(1 g) = 0.797 mW/g; SAR(10 g) = 0.571 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.851 mW/g



0 dB = 0.850mW/g

Date/Time: 6/7/2011 8:04:17 PM, Date/Time: 6/7/2011 8:11:33 PM

Test Laboratory: RIM Testing Services

15mm_Spacer_Back_UMTS_band_V_high_chan_amb_temp_23.2_liq_temp_22.1C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 279C7C6F

Communication System: WCDMA FDD V; Communication System Band: UMTS band V; Frequency: 846.6 MHz;Communication System PAR: 0 dB
Medium parameters used (interpolated): f = 846.6 MHz; σ = 1.002 mho/m; ε_r = 53.564; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

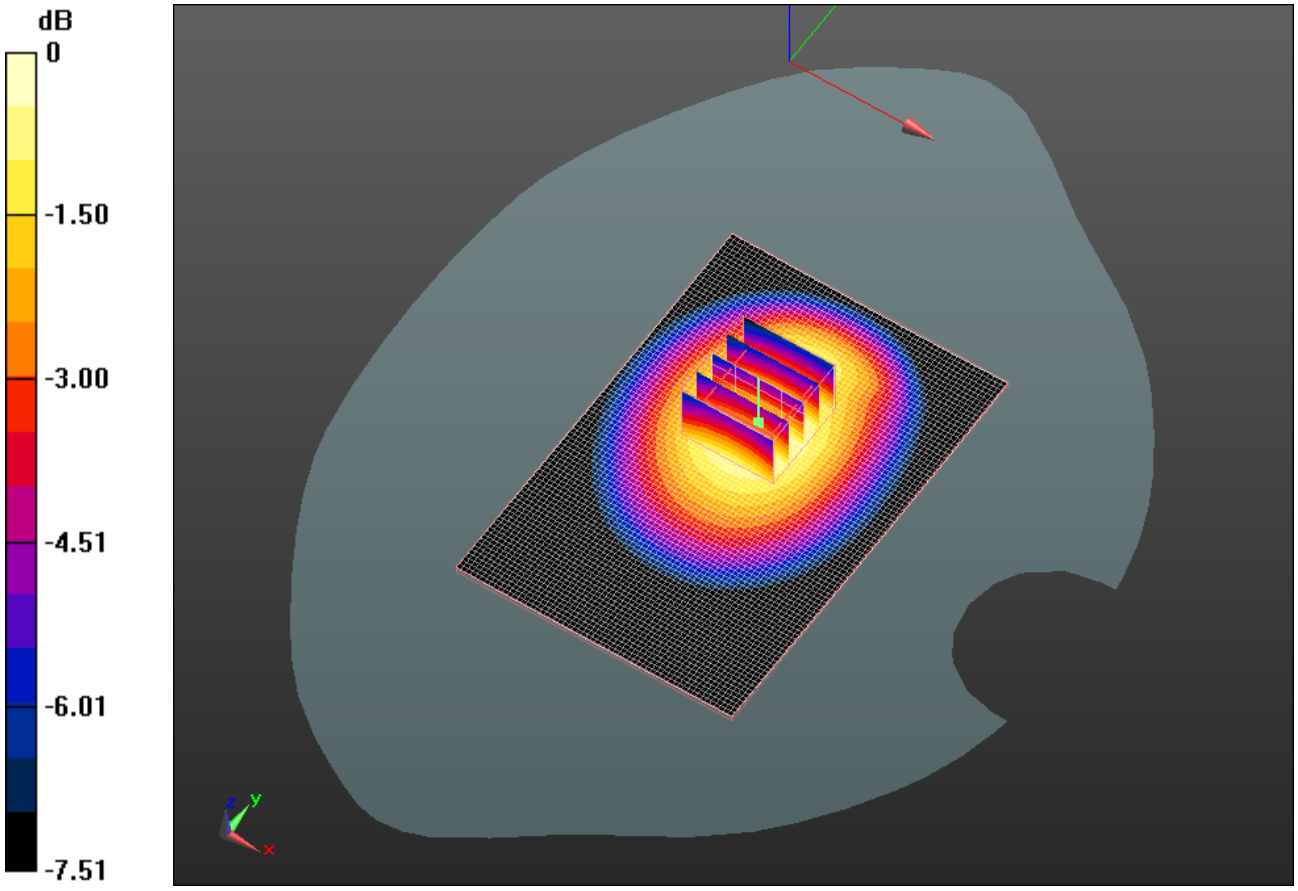
- Probe: ES3DV3 - SN3225; ConvF(6.3, 6.3, 6.3); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

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) = 0.761 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x5)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 25.372 V/m; Power Drift = 0.0044 dB
Peak SAR (extrapolated) = 0.949 W/kg
SAR(1 g) = 0.718 mW/g; SAR(10 g) = 0.516 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.766 mW/g



0 dB = 0.770mW/g

Date/Time: 6/7/2011 8:33:24 PM, Date/Time: 6/7/2011 8:40:38 PM

Test Laboratory: RIM Testing Services

15mm_Spacer_Front_UMTS_band_V_mid_chan_amb_temp_23.3_liq_temp_22.2C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 279C7C6F

Communication System: WCDMA FDD V; Communication System Band: UMTS band V; Frequency: 836.4 MHz;Communication System PAR: 0 dB
Medium parameters used (interpolated): f = 836.4 MHz; σ = 0.993 mho/m; ε_r = 53.679; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

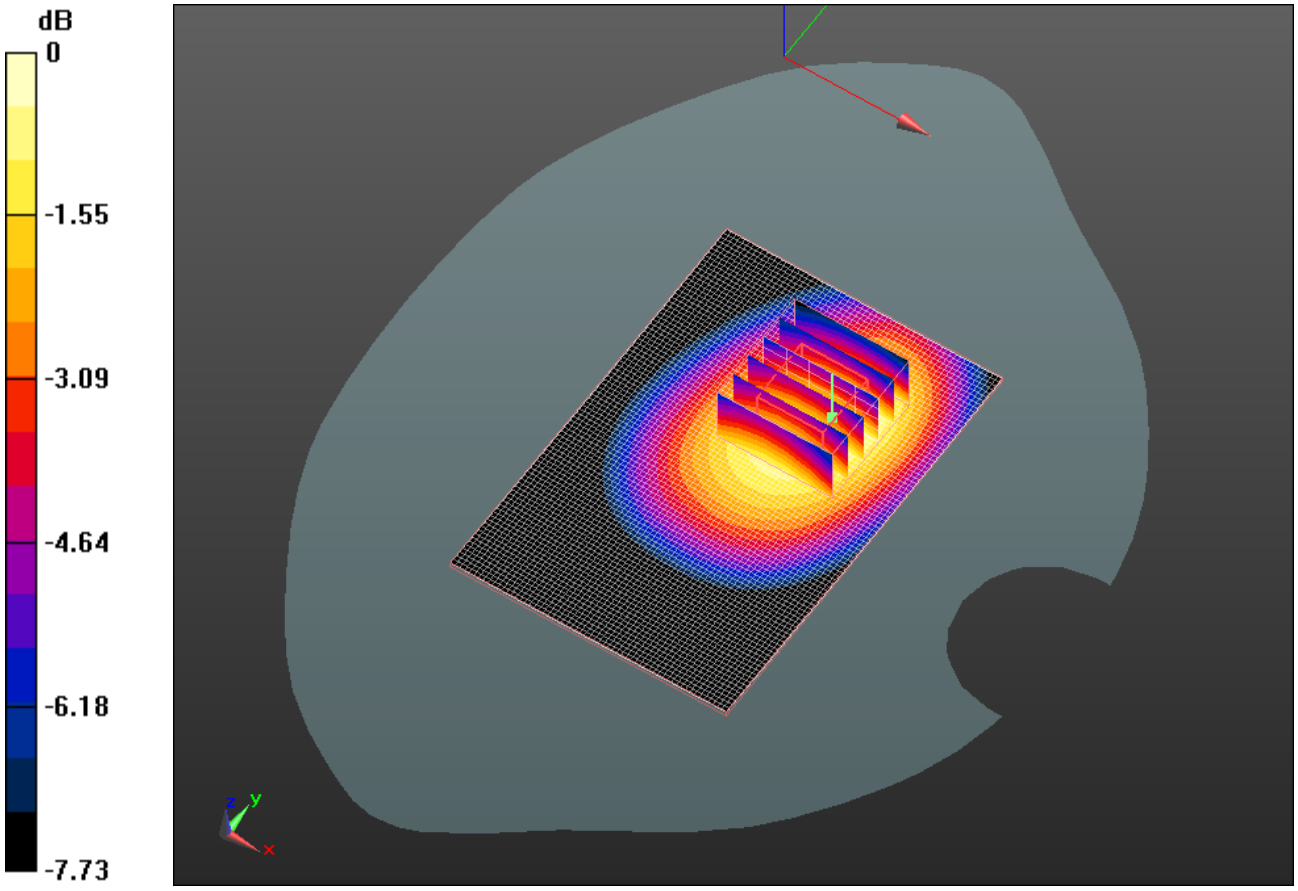
- Probe: ES3DV3 - SN3225; ConvF(6.3, 6.3, 6.3); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

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) = 0.513 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x5)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 19.295 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.631 W/kg
SAR(1 g) = 0.479 mW/g; SAR(10 g) = 0.346 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.507 mW/g



0 dB = 0.510mW/g

Date/Time: 6/7/2011 8:18:47 PM, Date/Time: 6/7/2011 8:26:01 PM

Test Laboratory: RIM Testing Services

Vertical_Holster_Back_UMTS_band_V_mid_chan_amb_temp_23.3_liq_temp_22.2C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 279C7C6F

Communication System: WCDMA FDD V; Communication System Band: UMTS band V; Frequency: 836.4 MHz;Communication System PAR: 0 dB
Medium parameters used (interpolated): f = 836.4 MHz; σ = 0.993 mho/m; ε_r = 53.679; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

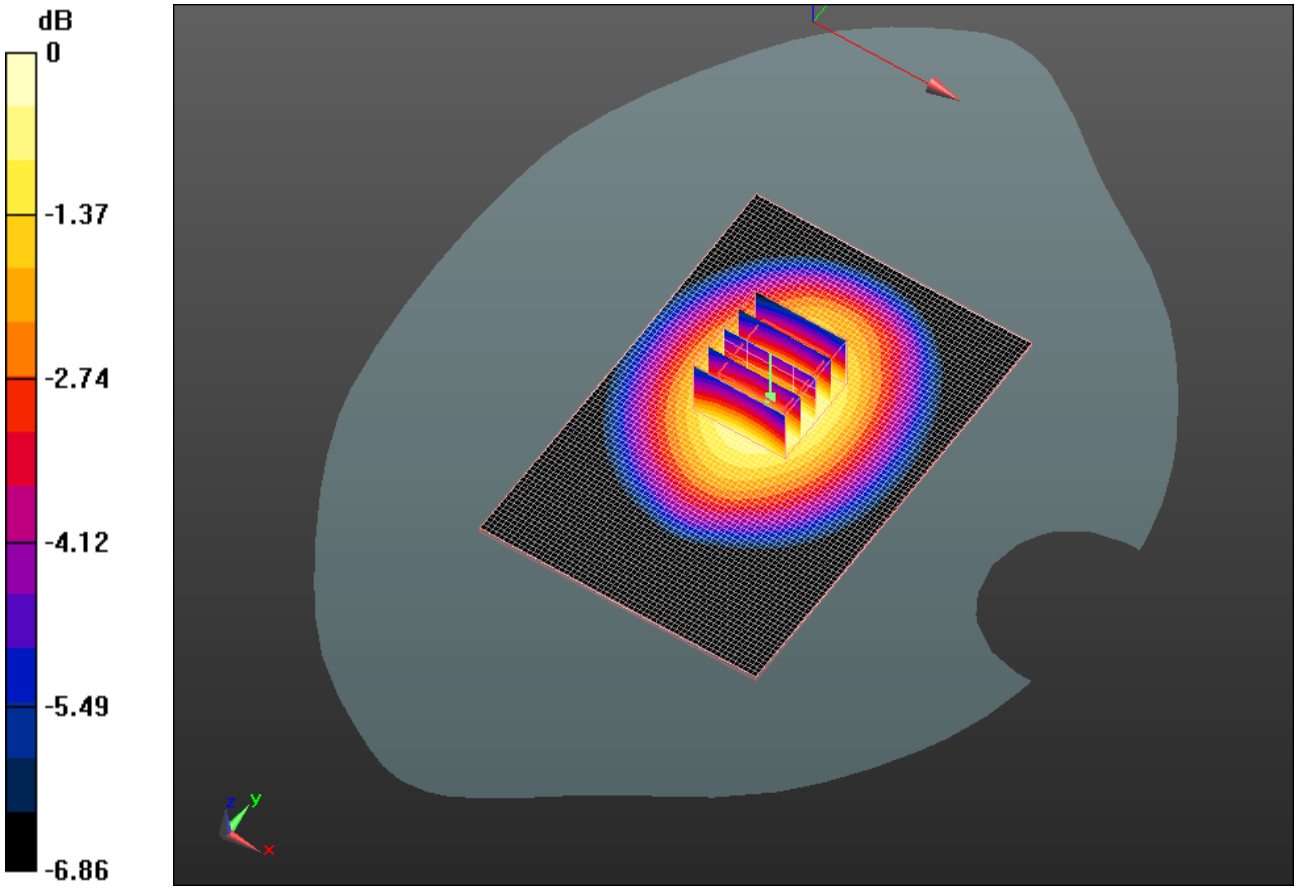
- Probe: ES3DV3 - SN3225; ConvF(6.3, 6.3, 6.3); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- Phantom: SAM 2; Type: SAM 4.0; Serial: 1080
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.4 (2829)

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) = 0.584 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x5)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 23.397 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 0.711 W/kg
SAR(1 g) = 0.554 mW/g; SAR(10 g) = 0.406 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.589 mW/g



0 dB = 0.590mW/g

Date/Time: 6/7/2011 9:16:55 PM, Date/Time: 6/7/2011 9:24:08 PM, Date/Time: 6/7/2011 9:29:00 PM

Test Laboratory: RIM Testing Services

15mm_Spacer_Back_Headset_UMTS_band_V_mid_chan_amb_temp_23.1_liq_temp_22.0C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 279C7C6F

Communication System: WCDMA FDD V; Communication System Band: UMTS band V; Frequency: 836.4 MHz;Communication System PAR: 0 dB
Medium parameters used (interpolated): f = 836.4 MHz; σ = 0.993 mho/m; ε_r = 53.679; 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
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- 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) = 0.646 mW/g

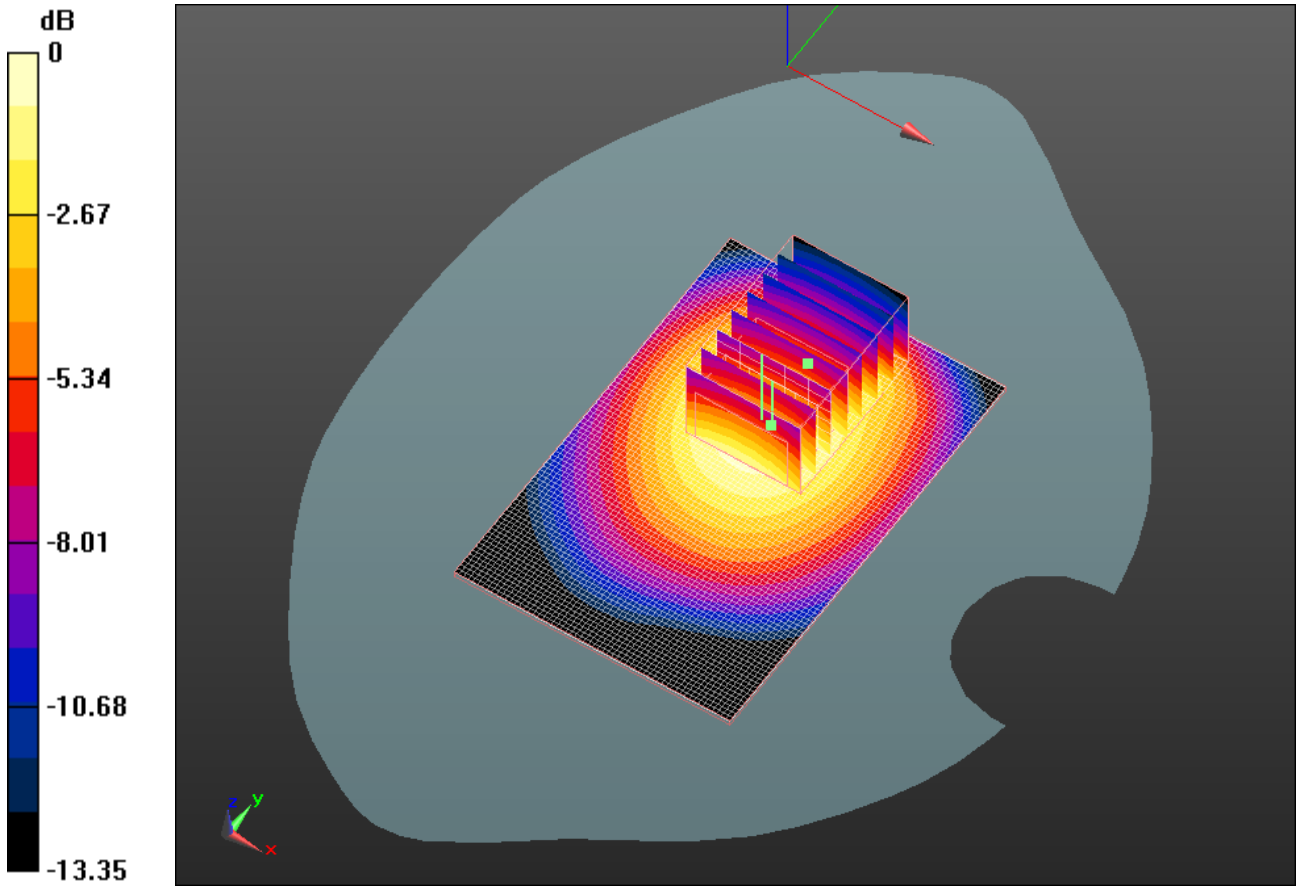
Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x5)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 22.577 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 0.797 W/kg
SAR(1 g) = 0.600 mW/g; SAR(10 g) = 0.428 mW/g

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

Configuration/Touch position -/Zoom Scan (5x5x7) 2 (6x8x7)/Cube 0:

Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 22.577 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 0.820 W/kg
SAR(1 g) = 0.599 mW/g; SAR(10 g) = 0.425 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.637 mW/g



0 dB = 0.640mW/g

Date/Time: 6/10/2011 5:25:34 PM, Date/Time: 6/10/2011 5:31:56 PM

Test Laboratory: RIM Testing Services

15mm_Spacer_Back_UMTS_band_II_mid_chan_amb_temp_23.6_liq_temp_22.4C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 279C7C6F

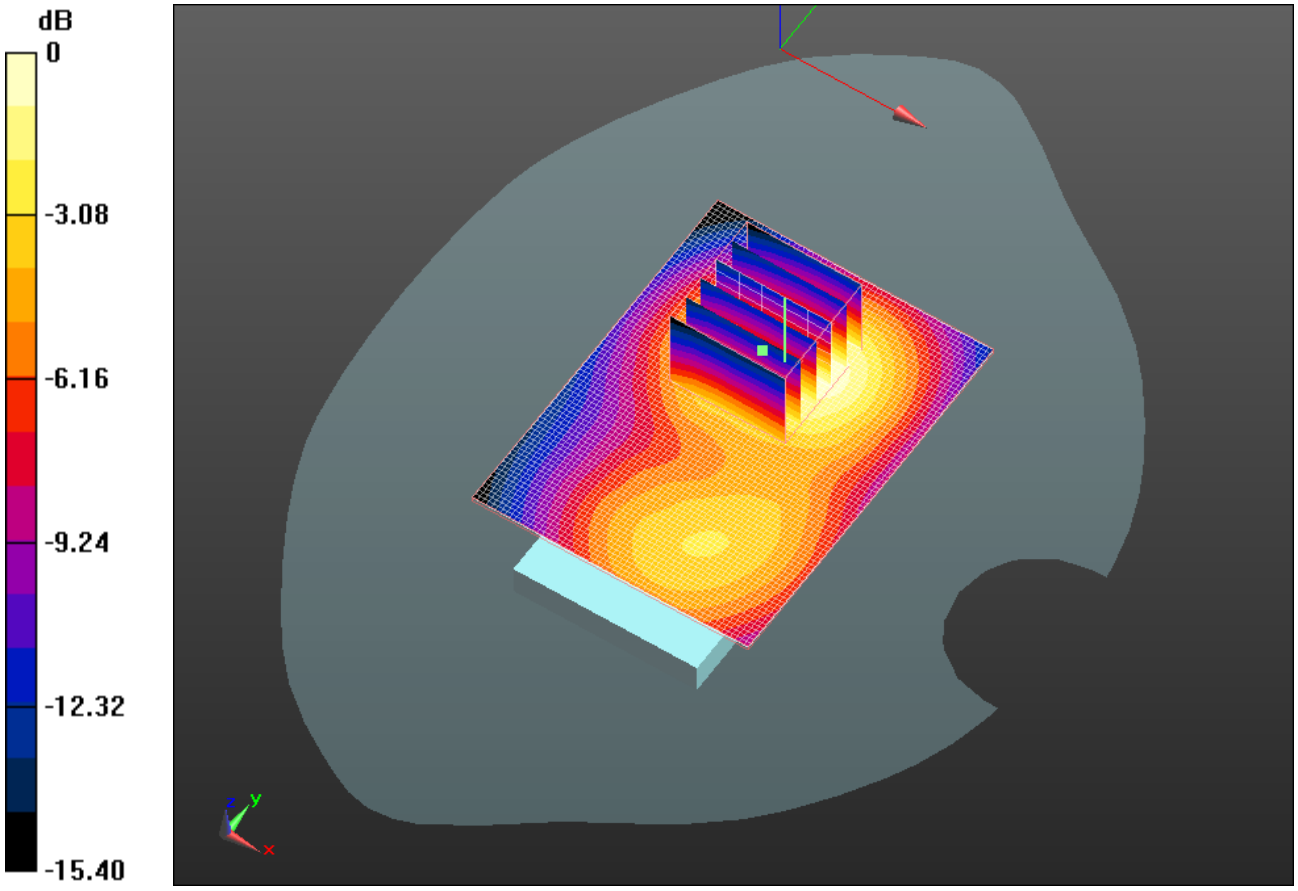
Communication System: WCDMA FDD II; Frequency: 1880 MHz;Communication System PAR: 0 dB
Medium parameters used: f = 1880 MHz; σ = 1.499 mho/m; ε_r = 51.301; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.88, 4.88, 4.88); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- 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 (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.636 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 11.747 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.909 W/kg
SAR(1 g) = 0.587 mW/g; SAR(10 g) = 0.365 mW/g
Maximum value of SAR (measured) = 0.636 mW/g



0 dB = 0.640mW/g

Date/Time: 6/10/2011 6:15:20 PM, Date/Time: 6/10/2011 6:21:41 PM

Test Laboratory: RIM Testing Services

15mm_Spacer_Front_UMTS_band_II_mid_chan_amb_temp_23.6_liq_temp_22.4C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 279C7C6F

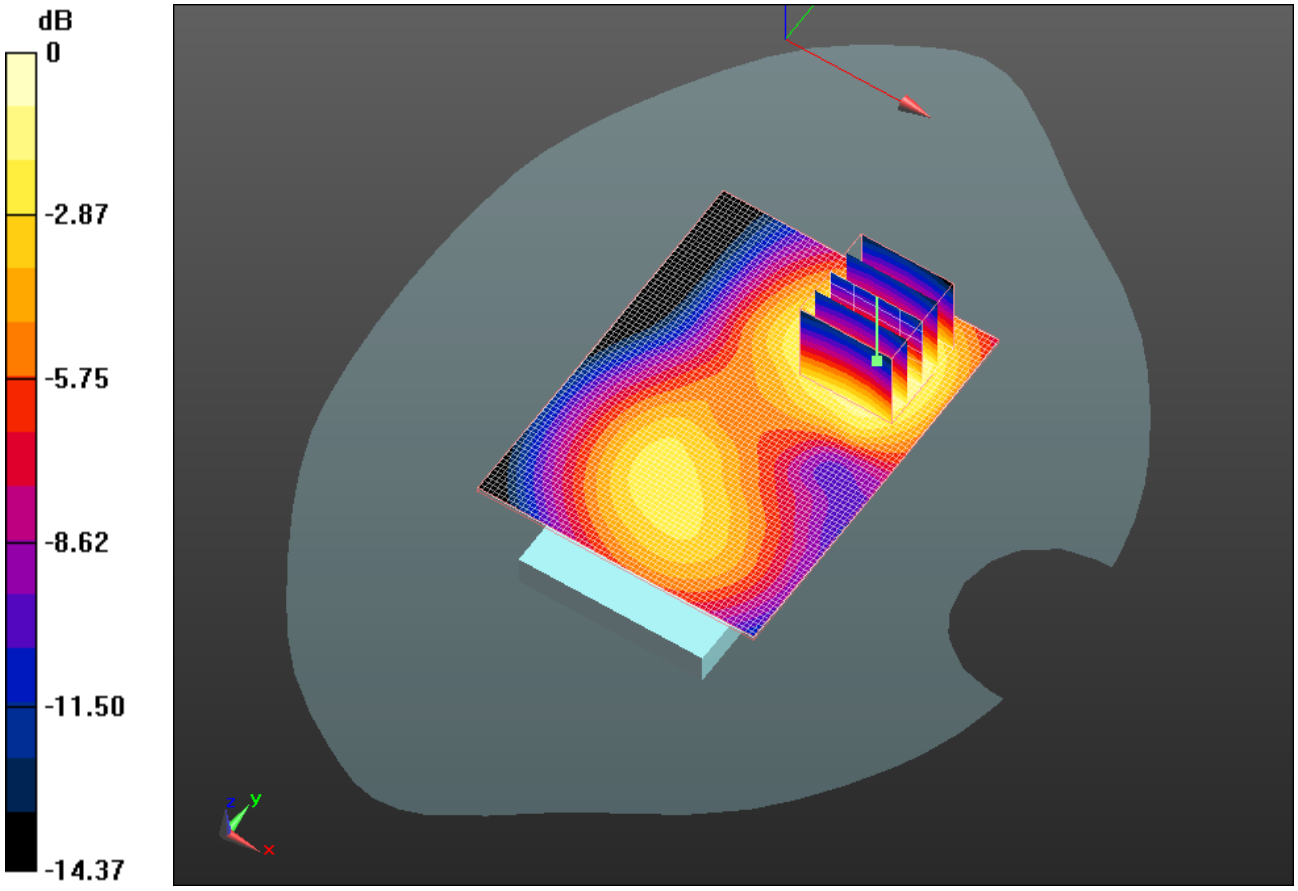
Communication System: WCDMA FDD II; Frequency: 1880 MHz;Communication System PAR: 0 dB
Medium parameters used: f = 1880 MHz; σ = 1.499 mho/m; ε_r = 51.301; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.88, 4.88, 4.88); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- 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 (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.505 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 10.426 V/m; Power Drift = 0.51 dB
Peak SAR (extrapolated) = 0.710 W/kg
SAR(1 g) = 0.464 mW/g; SAR(10 g) = 0.287 mW/g
Maximum value of SAR (measured) = 0.501 mW/g



0 dB = 0.500mW/g

Date/Time: 6/10/2011 5:56:11 PM, Date/Time: 6/10/2011 6:02:31 PM

Test Laboratory: RIM Testing Services

Vertical_Holster_Back_UMTS_band_II_mid_chan_amb_temp_23.5_liq_temp_22.3C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 279C7C6F

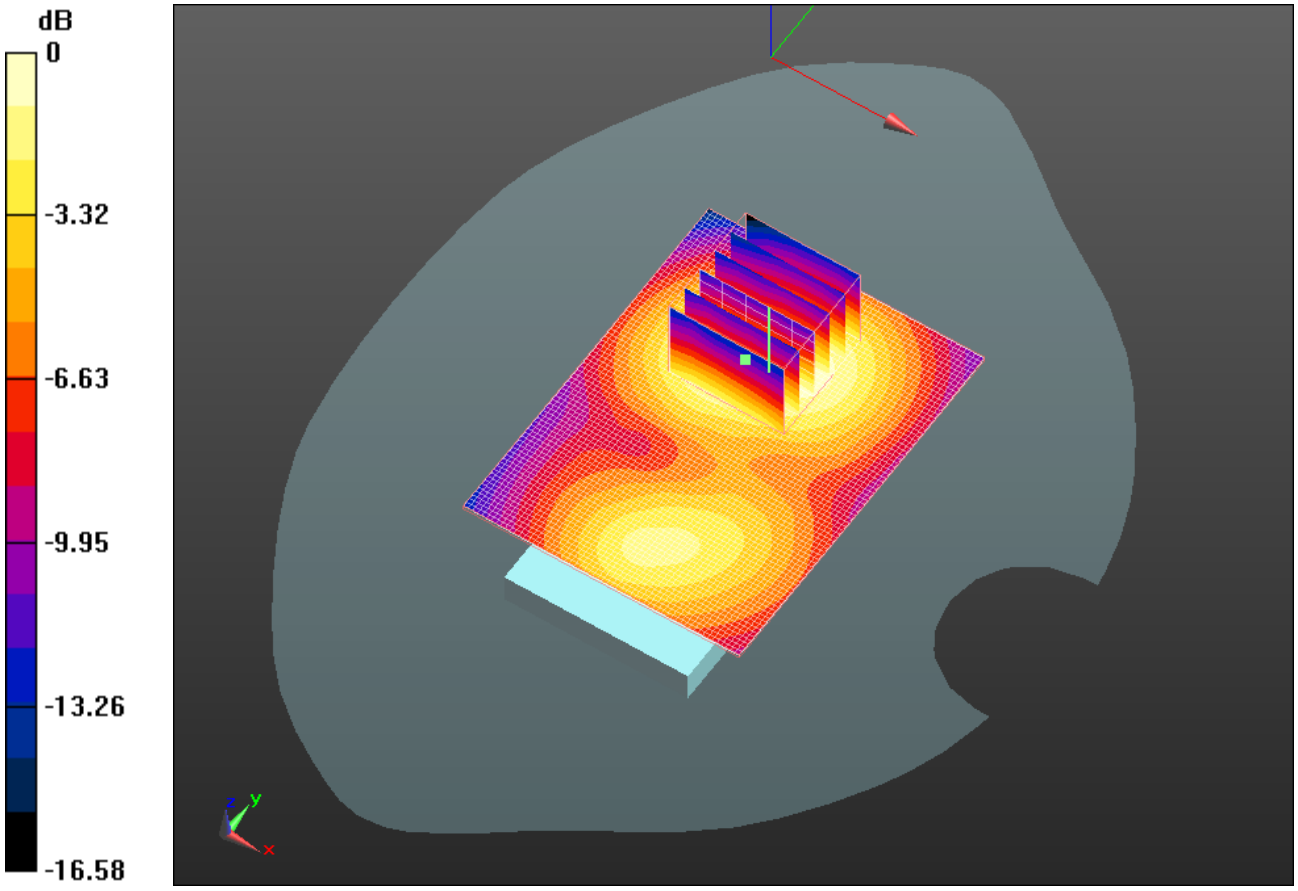
Communication System: WCDMA FDD II; Frequency: 1880 MHz;Communication System PAR: 0 dB
Medium parameters used: f = 1880 MHz; σ = 1.499 mho/m; ε_r = 51.301; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.88, 4.88, 4.88); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- 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 (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.366 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 7.961 V/m; Power Drift = -0.14 dB
Peak SAR (extrapolated) = 0.477 W/kg
SAR(1 g) = 0.312 mW/g; SAR(10 g) = 0.201 mW/g
Maximum value of SAR (measured) = 0.335 mW/g



0 dB = 0.340mW/g

Date/Time: 6/10/2011 6:30:41 PM, Date/Time: 6/10/2011 6:37:01 PM

Test Laboratory: RIM Testing Services

15mm_Spacer_Back_Headset_UMTS_band_II_mid_chan_amb_temp_23.4_liq_temp_22.1C

DUT: BlackBerry Smartphone; Type: Sample ; Serial: 279C7C6F

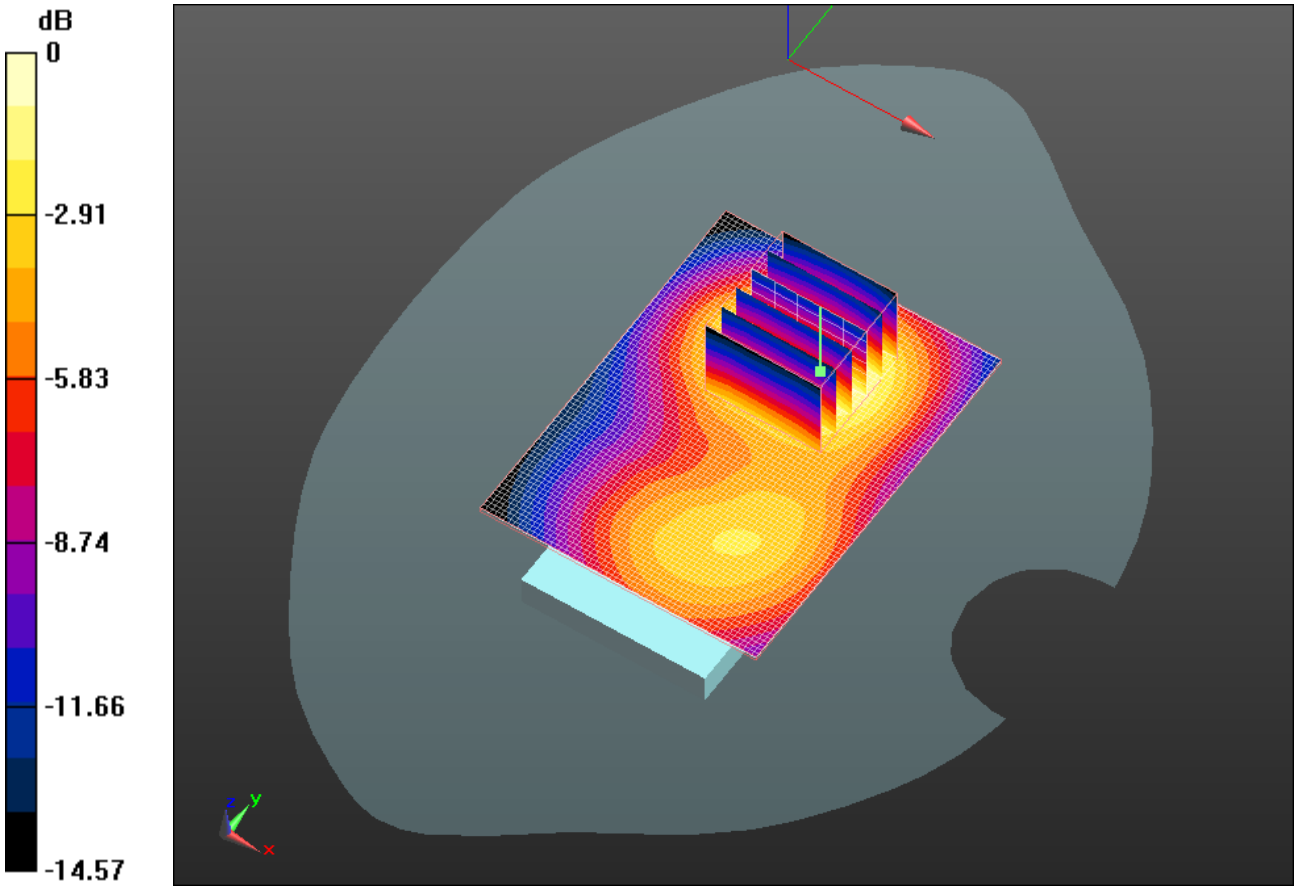
Communication System: WCDMA FDD II; Frequency: 1880 MHz;Communication System PAR: 0 dB
Medium parameters used: f = 1880 MHz; σ = 1.499 mho/m; ε_r = 51.301; ρ = 1000 kg/m^3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.88, 4.88, 4.88); Calibrated: 1/13/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn472; Calibrated: 3/7/2011
- 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 (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.633 mW/g

Configuration/Touch position -/Zoom Scan (5x5x7) (6x6x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 11.620 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.885 W/kg
SAR(1 g) = 0.566 mW/g; SAR(10 g) = 0.359 mW/g
Maximum value of SAR (measured) = 0.611 mW/g



0 dB = 0.610mW/g

Z axis plot for the worst case body configuration: