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		Author Data Andrew Becker	Dates of Test Mar 30 – May 14, 2015	Test Report No RTS-6067-1505-05	FCC ID: L6ARHR190LW

APPENDIX A: SAR DISTRIBUTION COMPARISON FOR ACCURACY VERIFICATION

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Andrew Becker	Mar 30 – May 14, 2015	RTS-6067-1505-05	L6ARHR190LW	2503A-RHR190LW

750 MHz

Date/Time: 4/23/2015 11:57:53 AM

Test Laboratory: BlackBerry RTS

DipoleValidation_750MHz_04_23_15_Amb_Tem_24.1C_Liq_Tem_21.6C

DUT: Dipole 750 MHz; Type: D750V3; Serial: D750V3 - SN:1021

Communication System: UID 0, CW (0); Frequency: 750 MHz

Medium parameters used: $f = 750$ MHz; $\sigma = 0.909$ S/m; $\epsilon_r = 42.141$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ET3DV6 - SN1643; ConvF(6.69, 6.69, 6.69); Calibrated: 3/13/2015;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.7, 32.7$
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASYS2 52.8.8(1222); SEMCAD X 14.6.10(7331)

System Performance Check at Frequencies below 1 GHz/d=15mm,

Pin=1000mW, dist=4.0mm (ET-Probe)/Area Scan (41x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 101.1 V/m; Power Drift = -0.04 dB

Fast SAR: SAR(1 g) = 8.04 W/kg; SAR(10 g) = 5.38 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 8.67 W/kg

System Performance Check at Frequencies below 1 GHz/d=15mm,


Pin=1000mW, dist=4.0mm (ET-Probe)/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

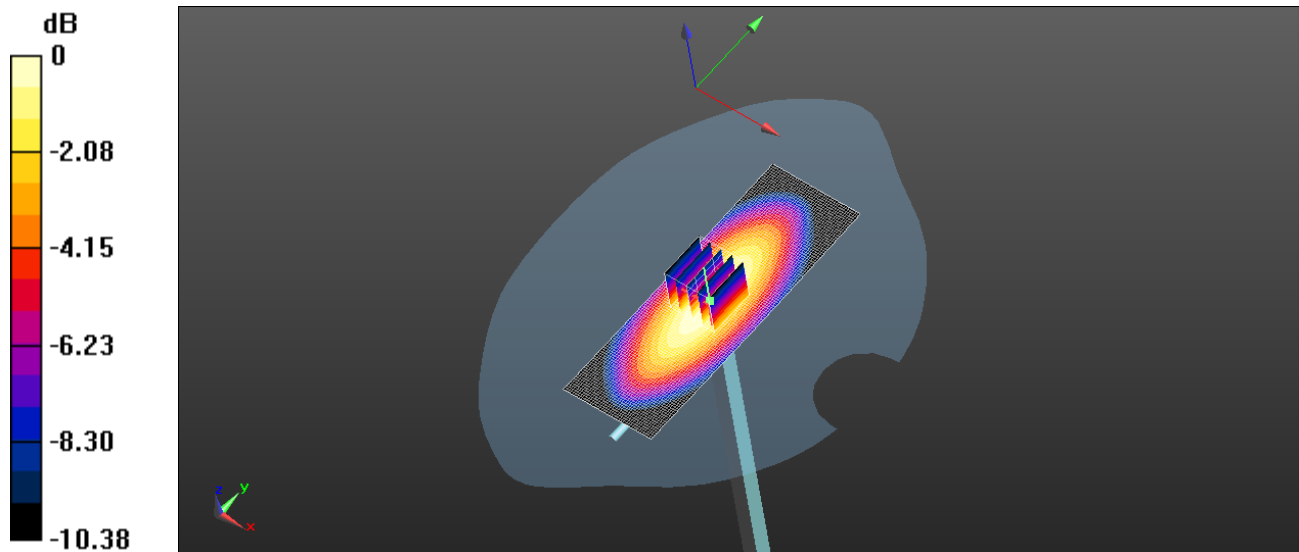
Reference Value = 101.1 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 11.3 W/kg


SAR(1 g) = 7.9 W/kg; SAR(10 g) = 5.21 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 8.51 W/kg

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0 dB = 8.51 W/kg = 9.30 dBW/kg

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835 MHz

Date/Time: 4/20/2015 11:47:01 AM

Test Laboratory: BlackBerry RTS

DipoleValidation_835MHz_04_20_15_Amb_Tem_24.5C_Liq_Tem_21.6C

DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN:446

Communication System: UID 0, CW (0); Frequency: 835 MHz

Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.886 \text{ S/m}$; $\epsilon_r = 41.609$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ET3DV6 - SN1643; ConvF(6.09, 6.09, 6.09); Calibrated: 3/13/2015;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.7, 32.7$
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASYS2 52.8.8(1222); SEMCAD X 14.6.10(7331)

System Performance Check at Frequencies below 1 GHz/d=15mm,

Pin=1000mW, dist=4.0mm (ET-Probe)/Area Scan (41x121x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Reference Value = 112.7 V/m; Power Drift = -0.00 dB

Fast SAR: SAR(1 g) = 9.64 W/kg; SAR(10 g) = 6.4 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 10.2 W/kg

System Performance Check at Frequencies below 1 GHz/d=15mm,

Pin=1000mW, dist=4.0mm (ET-Probe)/Zoom Scan (5x5x7) (5x5x7)/Cube

0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 112.7 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 13.2 W/kg

SAR(1 g) = 9.62 W/kg; SAR(10 g) = 6.42 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 10.2 W/kg

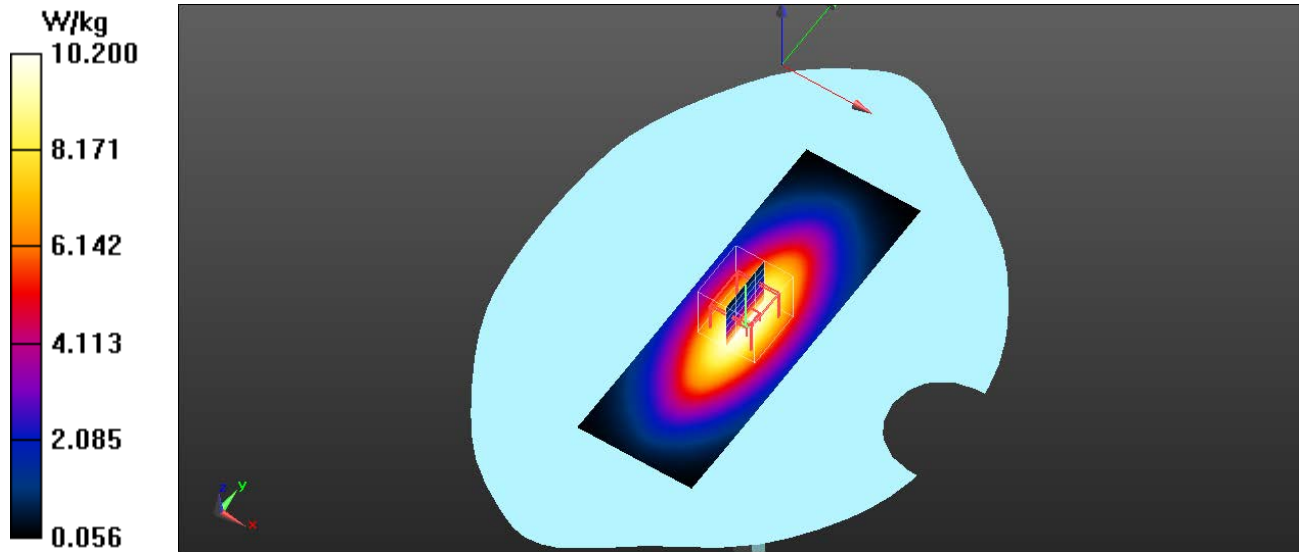
Author Data
Andrew Becker


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Andrew Becker	Mar 30 – May 14, 2015	RTS-6067-1505-05	L6ARHR190LW	2503A-RHR190LW

1800 MHz

Date/Time: 4/14/2015 6:46:36 PM

Test Laboratory: BlackBerry RTS

DipoleValidation_1800MHz_02_17_15_Amb_Tem_23.9C_Liq_Tem_20.7C

DUT: Dipole 1800 MHz; Type: D1800V2; Serial: D1800V2 - SN:2d020

Communication System: UID 0, CW (0); Frequency: 1800 MHz

Medium parameters used: $f = 1800$ MHz; $\sigma = 1.459$ S/m; $\epsilon_r = 38.292$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ET3DV6 - SN1643; ConvF(5.18, 5.18, 5.18); Calibrated: 3/13/2015;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.7, 32.7$
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASYS2 52.8.8(1222); SEMCAD X 14.6.10(7331)

System Performance Check at Frequencies between 1 GHz - 2 GHz/d=10mm, Pin=1000mW, dist=4.0mm (ET-Probe)/Area Scan

(41x81x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Reference Value = 175.2 V/m; Power Drift = -0.04 dB

Fast SAR: SAR(1 g) = 36.6 W/kg; SAR(10 g) = 19.7 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 42.0 W/kg

System Performance Check at Frequencies between 1 GHz - 2 GHz/d=10mm, Pin=1000mW, dist=4.0mm (ET-Probe)/Zoom Scan (5x5x7)

(5x5x7)/Cube 0: Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 175.2 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 61.8 W/kg

SAR(1 g) = 35.9 W/kg; SAR(10 g) = 19.1 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 39.8 W/kg

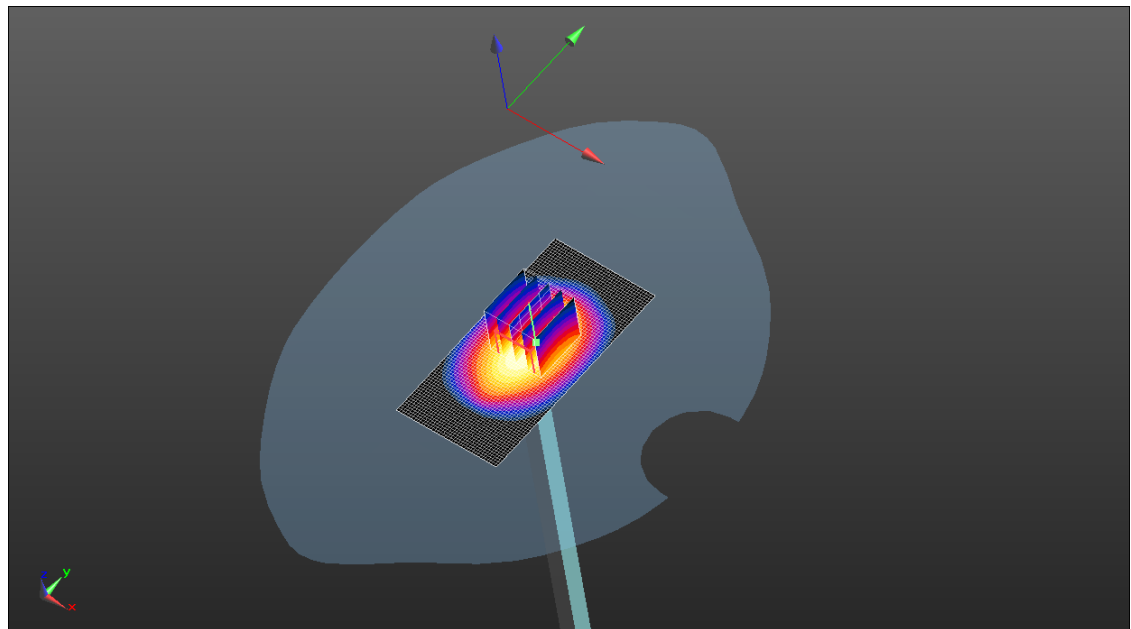
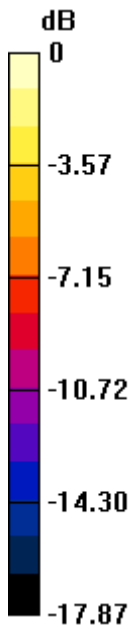
Author Data
Andrew Becker

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0 dB = 39.8 W/kg = 16.00 dBW/kg

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1900 MHz

Date/Time: 4/9/2015 2:46:41 PM

Test Laboratory: BlackBerry RTS

DipoleValidation_1900MHz_04_09_15_Amb_Tem_24.0C_Liq_Tem_21.5C

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2 - SN:545

Communication System: UID 0, CW (0); Frequency: 1900 MHz

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.408$ S/m; $\epsilon_r = 38.405$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ET3DV6 - SN1643; ConvF(5.18, 5.18, 5.18); Calibrated: 3/13/2015;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.7, 32.7$
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASYS2 52.8.8(1222); SEMCAD X 14.6.10(7331)

System Performance Check at Frequencies between 1 GHz - 2 GHz/d=10mm, Pin=1000mW, dist=4.0mm (ET-Probe)/Area Scan

(41x81x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Reference Value = 180.7 V/m; Power Drift = -0.03 dB

Fast SAR: SAR(1 g) = 37.9 W/kg; SAR(10 g) = 19.9 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 44.0 W/kg

System Performance Check at Frequencies between 1 GHz - 2 GHz/d=10mm, Pin=1000mW, dist=4.0mm (ET-Probe)/Zoom Scan (5x5x7)

(5x5x7)/Cube 0: Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

Reference Value = 180.7 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 62.8 W/kg

SAR(1 g) = 37.1 W/kg; SAR(10 g) = 19.8 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 41.4 W/kg

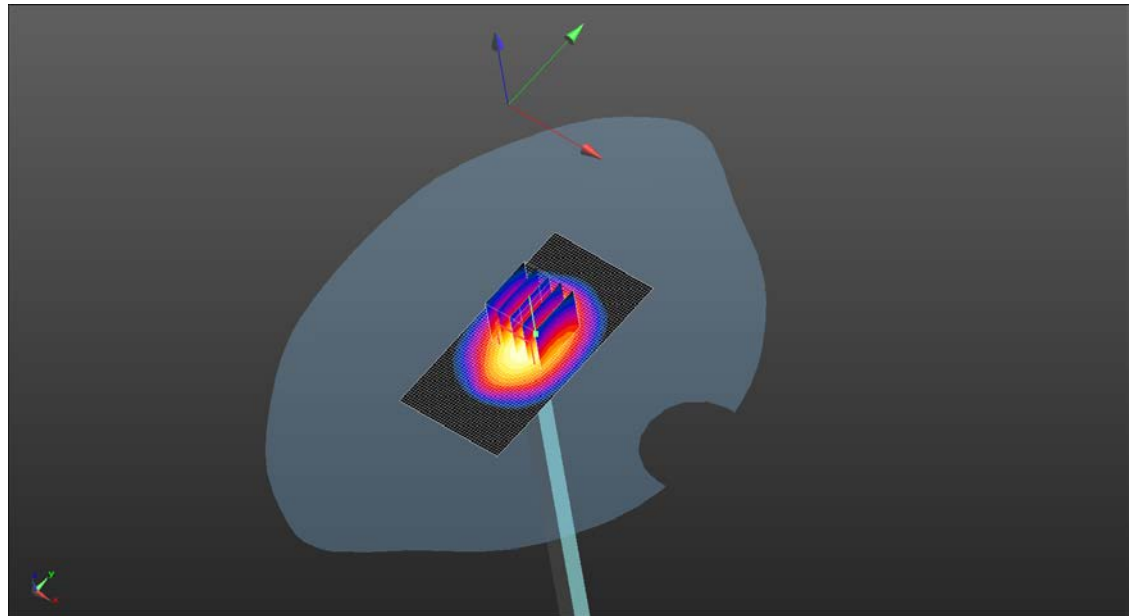
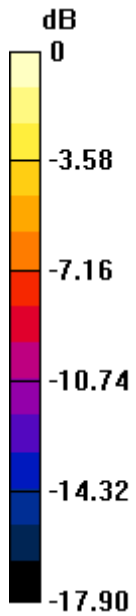
Author Data
Andrew Becker

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0 dB = 41.4 W/kg = 16.17 dBW/kg

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Date/Time: 4/13/2015 9:39:35 AM

Test Laboratory: BlackBerry RTS

DipoleValidation_1900MHz_04_13_15_Amb_Tem_23.9C_Liq_Tem_21.8C

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2 - SN:545

Communication System: UID 0, CW (0); Frequency: 1900 MHz

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.398$ S/m; $\epsilon_r = 38.429$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ET3DV6 - SN1643; ConvF(5.18, 5.18, 5.18); Calibrated: 3/13/2015;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.7, 32.7$
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASYS2 52.8.8(1222); SEMCAD X 14.6.10(7331)

System Performance Check at Frequencies between 1 GHz - 2 GHz/d=10mm, Pin=1000mW, dist=4.0mm (ET-Probe)/Area Scan

(41x81x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Reference Value = 182.6 V/m; Power Drift = -0.01 dB

Fast SAR: SAR(1 g) = 38.6 W/kg; SAR(10 g) = 20.3 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 44.9 W/kg

System Performance Check at Frequencies between 1 GHz - 2 GHz/d=10mm, Pin=1000mW, dist=4.0mm (ET-Probe)/Zoom Scan (5x5x7)


(5x5x7)/Cube 0: Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

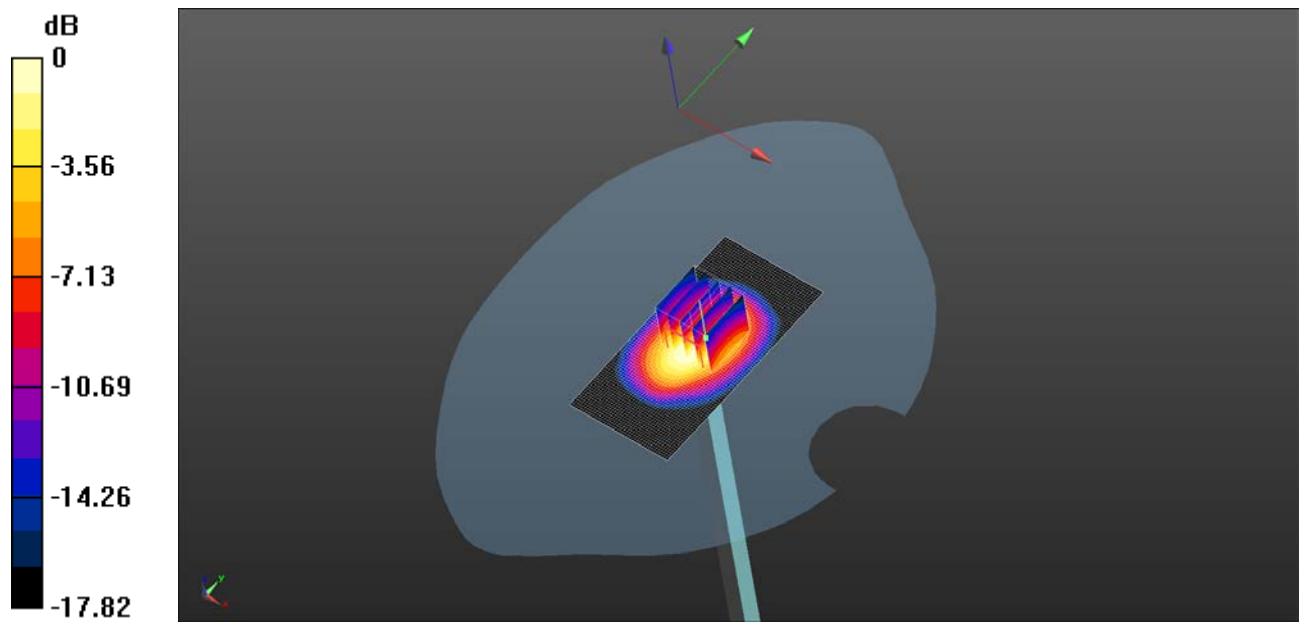
Reference Value = 182.6 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 63.3 W/kg


SAR(1 g) = 37.6 W/kg; SAR(10 g) = 20.1 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 41.7 W/kg

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0 dB = 41.7 W/kg = 16.20 dBW/kg

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Andrew Becker	Mar 30 – May 14, 2015	RTS-6067-1505-05	L6ARHR190LW	2503A-RHR190LW

Date/Time: 4/27/2015 2:12:20 PM

Test Laboratory: BlackBerry RTS

DipoleValidation_1900MHz_04_27_15_Amb_Tem_24.5C_Liq_Tem_21.5C

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2 - SN:545

Communication System: UID 0, CW (0); Frequency: 1900 MHz

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.425$ S/m; $\epsilon_r = 38.036$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ET3DV6 - SN1643; ConvF(5.18, 5.18, 5.18); Calibrated: 3/13/2015;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.7, 32.7$
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASYS2 52.8.8(1222); SEMCAD X 14.6.10(7331)

System Performance Check at Frequencies between 1 GHz - 2 GHz/d=10mm, Pin=1000mW, dist=4.0mm (ET-Probe)/Area Scan

(41x81x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Reference Value = 179.5 V/m; Power Drift = -0.02 dB

Fast SAR: SAR(1 g) = 38.2 W/kg; SAR(10 g) = 20.2 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 44.1 W/kg

System Performance Check at Frequencies between 1 GHz - 2 GHz/d=10mm, Pin=1000mW, dist=4.0mm (ET-Probe)/Zoom Scan (5x5x7)


(5x5x7)/Cube 0: Measurement grid: $dx=7.5$ mm, $dy=7.5$ mm, $dz=5$ mm

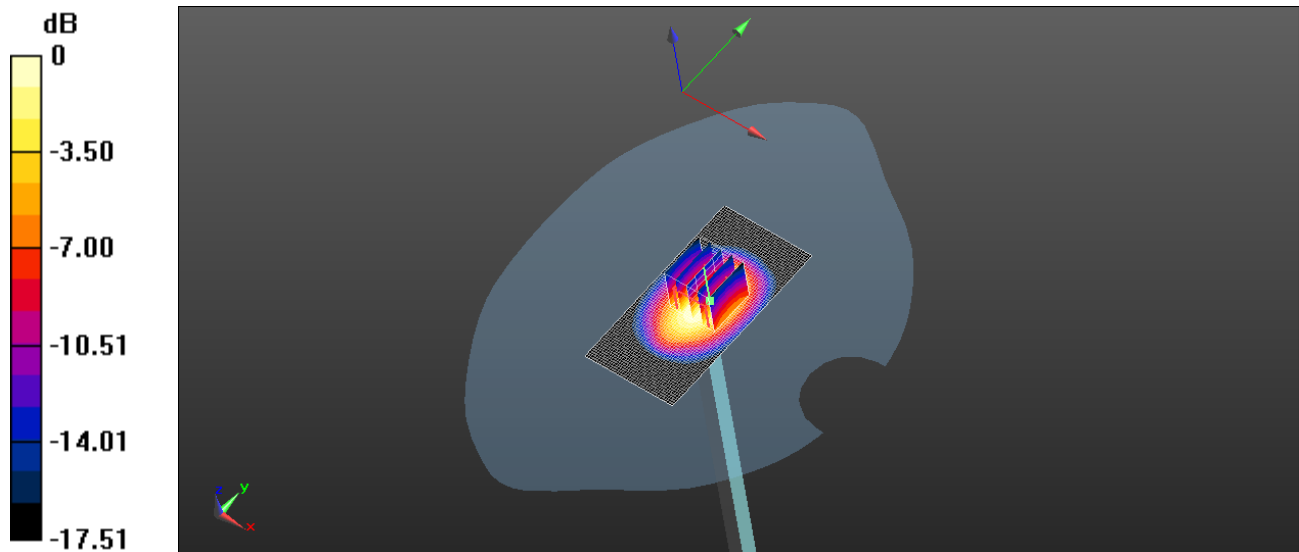
Reference Value = 179.5 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 63.4 W/kg


SAR(1 g) = 37.6 W/kg; SAR(10 g) = 20.1 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 42.3 W/kg

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0 dB = 42.3 W/kg = 16.26 dBW/kg

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2450 MHz

Date/Time: 4/6/2015 10:35:20 AM

Test Laboratory: BlackBerry RTS

DipoleValidation_2450MHz_04_06_15_Amb_Tem_23.8C_Liq_Tem_21.8C

DUT: Dipole 2450 MHz D2450V2; Type: D2450V2; Serial: D2450V2 - SN:xxx

Communication System: UID 0, CW; Frequency: 2450 MHz

Medium parameters used: $f = 2450$ MHz; $\sigma = 1.847$ S/m; $\epsilon_r = 38.519$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ET3DV6 - SN1643; ConvF(4.58, 4.58, 4.58); Calibrated: 3/13/2015;
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.7, 32.7$
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASYS2 52.8.8(1222); SEMCAD X 14.6.10(7331)

System Performance Check at Frequencies between 2 GHz - 3 GHz/d=10mm, Pin=1000mW, dist=4.0mm (ET-Probe)/Area Scan

(41x81x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm

Reference Value = 188.8 V/m; Power Drift = -0.02 dB

Fast SAR: SAR(1 g) = 54.5 W/kg; SAR(10 g) = 25.9 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 62.9 W/kg

System Performance Check at Frequencies between 2 GHz - 3 GHz/d=10mm, Pin=1000mW, dist=4.0mm (ET-Probe)/Zoom Scan (7x7x7)

(7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 188.8 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 125 W/kg

SAR(1 g) = 55.1 W/kg; SAR(10 g) = 25.6 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 61.7 W/kg

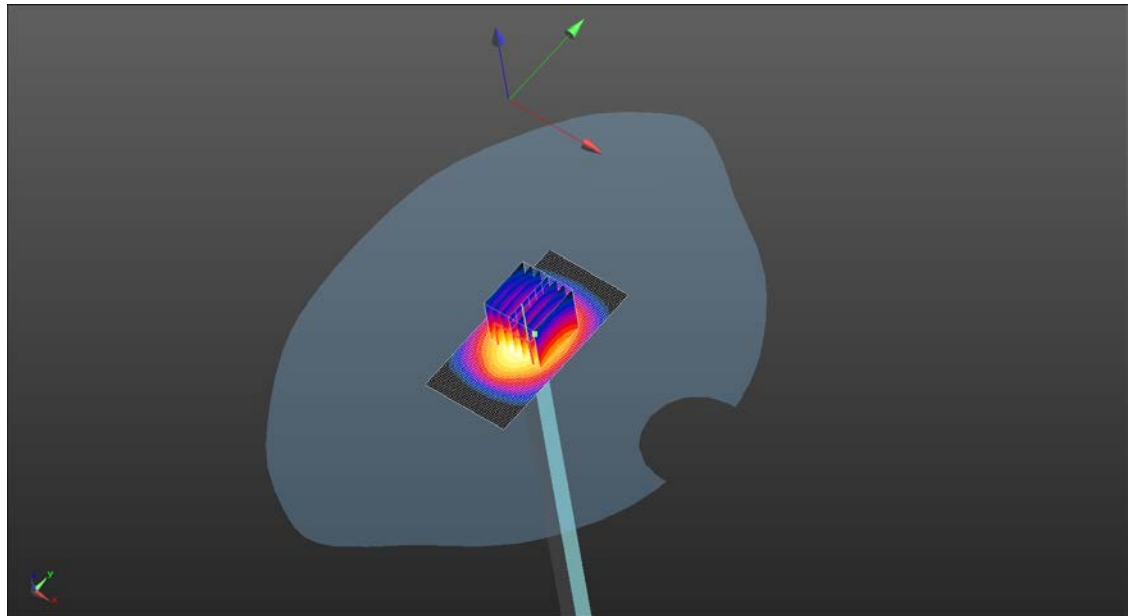
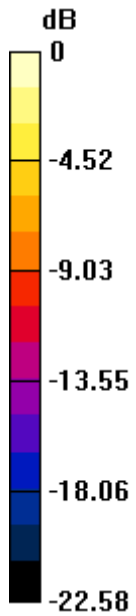
Author Data
Andrew Becker

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0 dB = 61.7 W/kg = 17.90 dBW/kg

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2600 MHz

Date/Time: 4/7/2015 11:32:07 AM

Test Laboratory: BlackBerry RTS

DipoleValidation_2600MHz_04_07_15_Amb_Tem_24.3C_Liq_Tem_21.8C

DUT: Dipole 2600 MHz; Type: D2600V2; Serial: D2600V2 - SN:1033

Communication System: UID 0, CW (0); Frequency: 2600 MHz

Medium parameters used: $f = 2600$ MHz; $\sigma = 2.016$ S/m; $\epsilon_r = 37.919$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3225; ConvF(4.4, 4.4, 4.4); Calibrated: 2/25/2015;
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASYS2 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/d=10mm, Pin=1000mW/Area Scan (51x81x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm

Reference Value = 191.1 V/m; Power Drift = -0.02 dB

Fast SAR: SAR(1 g) = 57.5 W/kg; SAR(10 g) = 26.1 W/kg (SAR corrected for target medium)

Maximum value of SAR (interpolated) = 77.1 W/kg

Configuration/d=10mm, Pin=1000mW/Zoom Scan (7x7x7) (7x7x7)/Cube

0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 191.1 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 121 W/kg

SAR(1 g) = 56.6 W/kg; SAR(10 g) = 25.5 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 75.5 W/kg

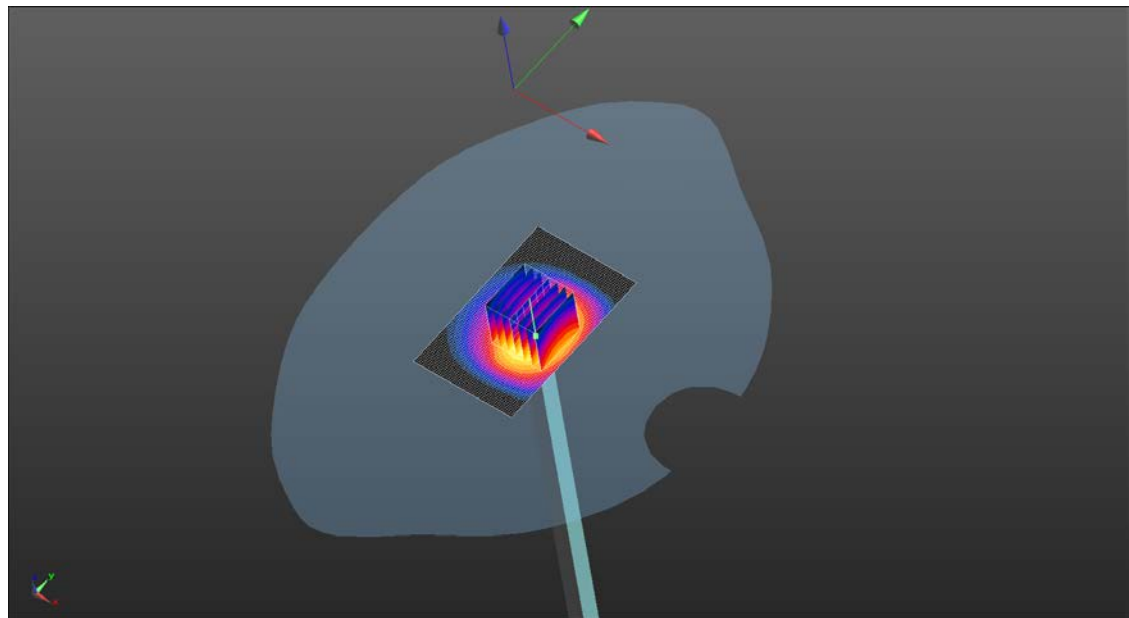
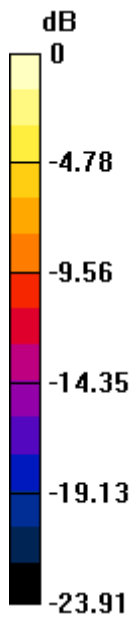
Author Data
Andrew Becker

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Mar 30 – May 14, 2015


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2503A-RHR190LW



0 dB = 75.5 W/kg = 18.78 dBW/kg

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Andrew Becker	Mar 30 – May 14, 2015	RTS-6067-1505-05	L6ARHR190LW	2503A-RHR190LW

5000 MHz

Date/Time: 4/28/2015 1:15:27 AM

Test Laboratory: BlackBerry RTS

DipoleValidation_5200MHz_04_27_15_Amb_Tem_24.4C_Liq_Tem_21.5C

DUT: Dipole D5GHzV2; Type: D5GHzV2; Serial: D5GHzV2 - SN:1033

Communication System: UID 0, CW; Frequency: 5200 MHz

Medium parameters used: $f = 5200$ MHz; $\sigma = 4.834$ S/m; $\epsilon_r = 34.343$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3592; ConvF(4.63, 4.63, 4.63); Calibrated: 11/10/2014;
- Sensor-Surface: 2mm (Mechanical Surface Detection), $z = 1.0, 23.0$
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASYS2 52.8.8(1222); SEMCAD X 14.6.10(7331)

System Performance Check at Frequency 5.2 GHz/d=10mm,

Pin=1000mW, dist=2.0mm (EX-Probe)/Area Scan (61x61x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 174 W/kg

System Performance Check at Frequency 5.2 GHz/d=10mm,

Pin=1000mW, dist=2.0mm (EX-Probe)/Zoom Scan (7x7x12)


(9x9x12)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

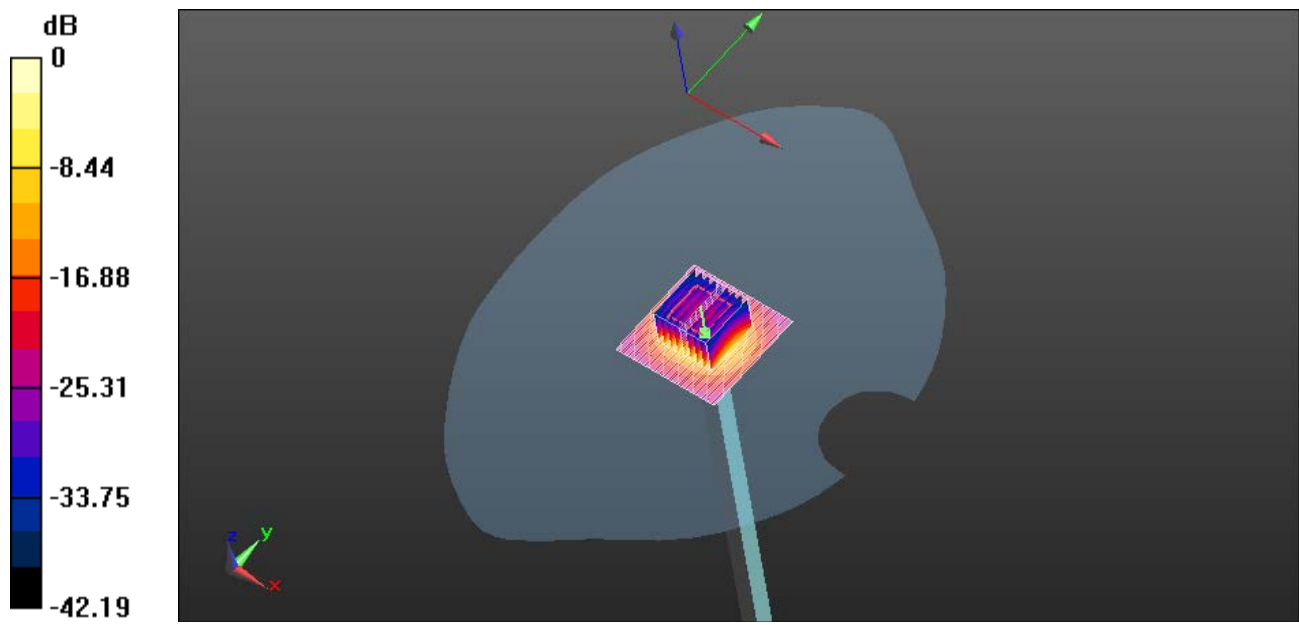
Reference Value = 200.9 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 337 W/kg


SAR(1 g) = 85.2 W/kg; SAR(10 g) = 24.7 W/kg

Maximum value of SAR (measured) = 173 W/kg

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		Author Data Andrew Becker	Dates of Test Mar 30 – May 14, 2015	Test Report No RTS-6067-1505-05



0 dB = 173 W/kg = 22.38 dBW/kg

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		Appendix A for the BlackBerry® Smartphone Model RHR191LW (SQW100-4) SAR Report		20(23)
Author Data	Dates of Test	Test Report No	FCC ID:	IC
Andrew Becker	Mar 30 – May 14, 2015	RTS-6067-1505-05	L6ARHR190LW	2503A-RHR190LW

Date/Time: 4/28/2015 12:08:54 AM

Test Laboratory: BlackBerry RTS

DipoleValidation_5500MHz_04_27_15

DUT: Dipole D5GHzV2; Type: D5GHzV2; Serial: D5GHzV2 - SN:1033

Communication System: UID 0, CW (0); Frequency: 5500 MHz

Medium parameters used: $f = 5500$ MHz; $\sigma = 5.11$ S/m; $\epsilon_r = 34.166$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3592; ConvF(4.2, 4.2, 4.2); Calibrated: 11/10/2014;
- Sensor-Surface: 2mm (Mechanical Surface Detection), $z = 1.0, 23.0$
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASYS2 52.8.8(1222); SEMCAD X 14.6.10(7331)

System Performance Check at Frequency 5.5 GHz/d=10mm,

Pin=1000mW, dist=2.0mm (EX-Probe)/Area Scan (61x61x1): Interpolated
grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 195 W/kg

System Performance Check at Frequency 5.5 GHz/d=10mm,

Pin=1000mW, dist=2.0mm (EX-Probe)/Zoom Scan (7x7x12)


(7x7x12)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

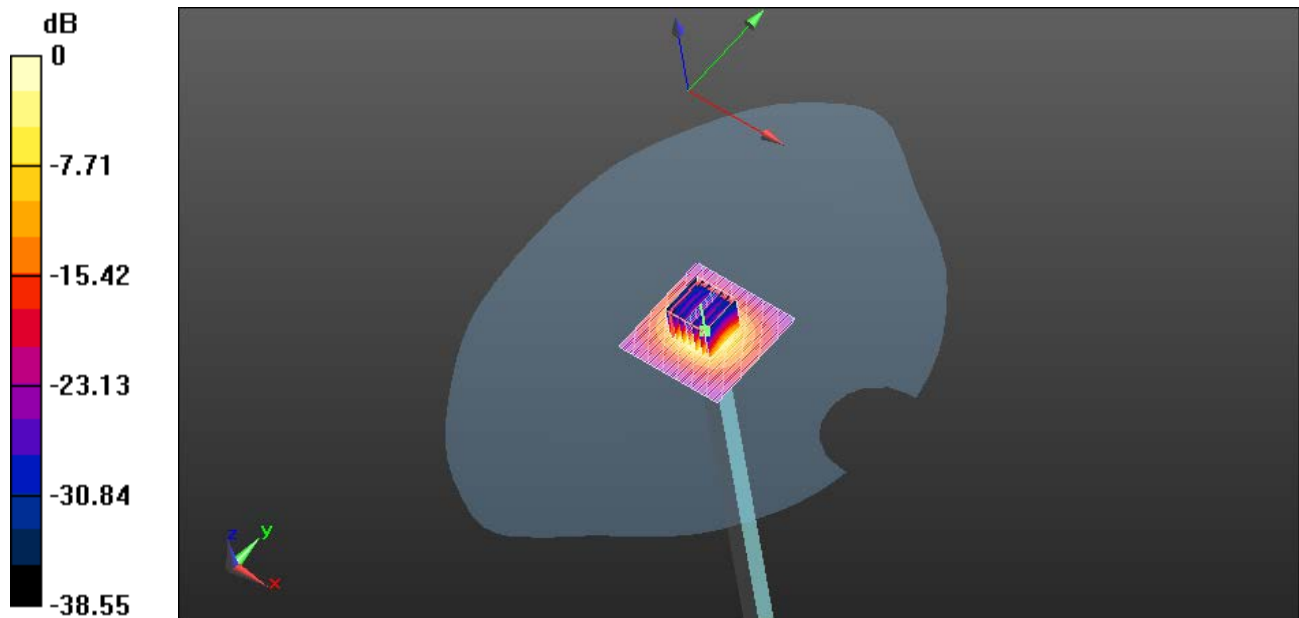
Reference Value = 210.1 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 381 W/kg


SAR(1 g) = 90.9 W/kg; SAR(10 g) = 25.9 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 191 W/kg

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		Author Data Andrew Becker	Dates of Test Mar 30 – May 14, 2015	Test Report No RTS-6067-1505-05



0 dB = 191 W/kg = 22.81 dBW/kg

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		Appendix A for the BlackBerry® Smartphone Model RHR191LW (SQW100-4) SAR Report		22(23)
Author Data	Dates of Test	Test Report No	FCC ID:	IC
Andrew Becker	Mar 30 – May 14, 2015	RTS-6067-1505-05	L6ARHR190LW	2503A-RHR190LW

Date/Time: 4/28/2015 12:50:12 AM

Test Laboratory: BlackBerry RTS

DipoleValidation_5800MHz_04_27_15_Amb_Tem_24.4C_Liq_Tem_21.5C

DUT: Dipole D5GHzV2; Type: D5GHzV2; Serial: D5GHzV2 - SN:1033

Communication System: UID 0, CW (0); Frequency: 5800 MHz

Medium parameters used: $f = 5800$ MHz; $\sigma = 5.456$ S/m; $\epsilon_r = 33.578$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3592; ConvF(4.34, 4.34, 4.34); Calibrated: 11/10/2014;
- Sensor-Surface: 2mm (Mechanical Surface Detection), $z = 1.0, 23.0$
- Electronics: DAE4 Sn881; Calibrated: 1/13/2015
- Phantom: SAM 1; Type: SAM 4.0; Serial: 1076
- DASYS2 52.8.8(1222); SEMCAD X 14.6.10(7331)

System Performance Check at Frequency 5.8 GHz/d=10mm,

Pin=1000mW, dist=2.0mm (EX-Probe)/Area Scan (61x61x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 182 W/kg

System Performance Check at Frequency 5.8 GHz/d=10mm,

Pin=1000mW, dist=2.0mm (EX-Probe)/Zoom Scan (7x7x12)

(7x7x12)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 195.1 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 381 W/kg

SAR(1 g) = 86.4 W/kg; SAR(10 g) = 24.7 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 183 W/kg

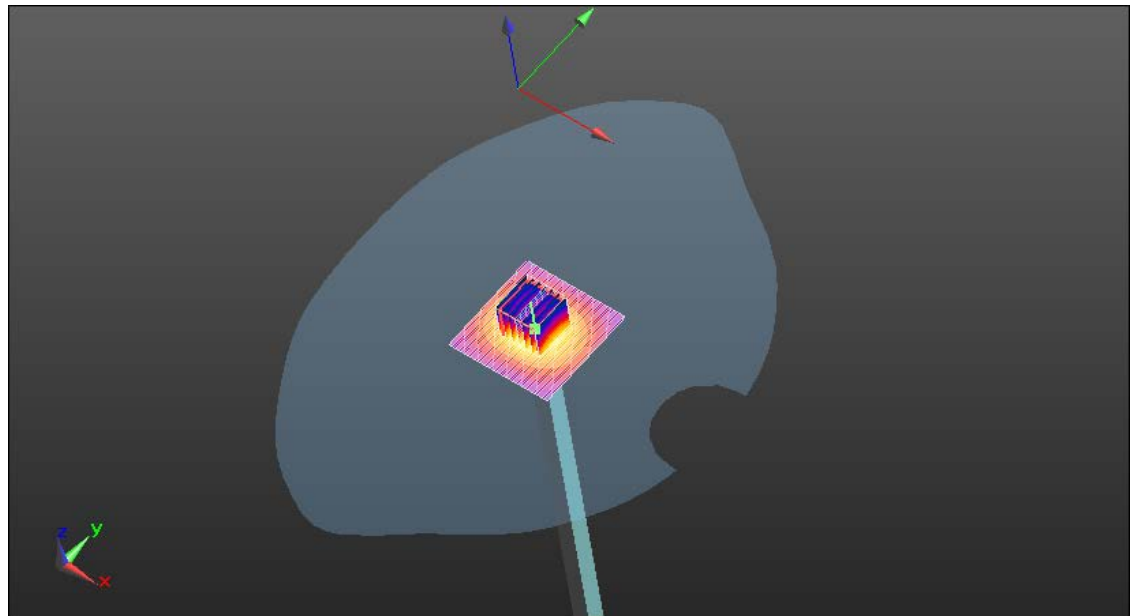
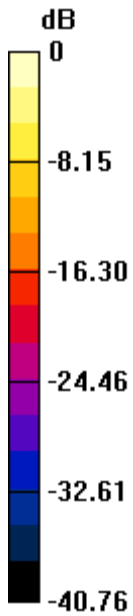
Author Data
Andrew Becker

Dates of Test
Mar 30 – May 14, 2015

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0 dB = 183 W/kg = 22.62 dBW/kg