

Dipole Verification Plots

DUT: Dipole 835 MHz D835V2; Type: D835V2; Serial: D835V2 - SN:4d163

(Head)

Communication System: CW; Frequency: 835MHz

Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.906 \text{ S/m}$; $\epsilon_r = 40.715$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat section

DASY Configuration

Probe: EX3DV4 - SN3957; ConvF(10.02, 10.02, 10.02); Calibrated: 12/3/2013;

Sensor-Surface: 2mm (Mechanical Surface Detection), $z = 1.0, 31.0$

Electronics: DAE4 Sn1409; Calibrated: 11/22/2013

Phantom: SAM v5.0 TP:1799; Type: QD000P40CD; Serial: TP:1799

DASY52, Version 52.8 (8);

Test date: 2014-9-18; Ambient Temp: 22.0; Tissue Temp: 23.0

835 MHz System Verification

Area Scan (51x121x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 3.04 W/kg

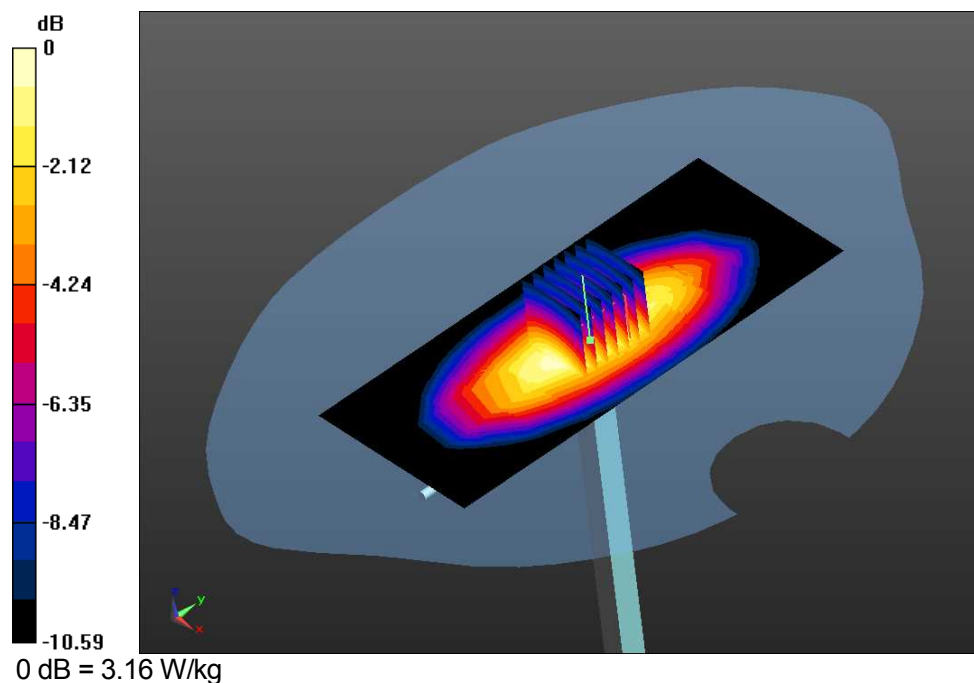
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 60.50 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 3.75 W/kg

SAR(1 g) = 2.49 W/kg; SAR(10 g) = 1.64 W/kg

Maximum value of SAR (measured) = 3.16 W/kg



DUT: Dipole 835 MHz D835V2; Type: D835V2; Serial: D835V2 - SN:4d163

(Head)

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Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.906 \text{ S/m}$; $\epsilon_r = 40.715$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat section

DASY Configuration

Probe: EX3DV4 - SN3957; ConvF(10.02, 10.02, 10.02); Calibrated: 12/3/2013;

Sensor-Surface: 2mm (Mechanical Surface Detection), $z = 1.0, 31.0$

Electronics: DAE4 Sn1409; Calibrated: 11/22/2013

Phantom: SAM v5.0 TP:1799; Type: QD000P40CD; Serial: TP:1799

DASY52, Version 52.8 (8);

Test date: 2014-9-18; Ambient Temp: 22.0; Tissue Temp: 23.0

835 MHz System Verification

Area Scan (51x121x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 3.04 W/kg

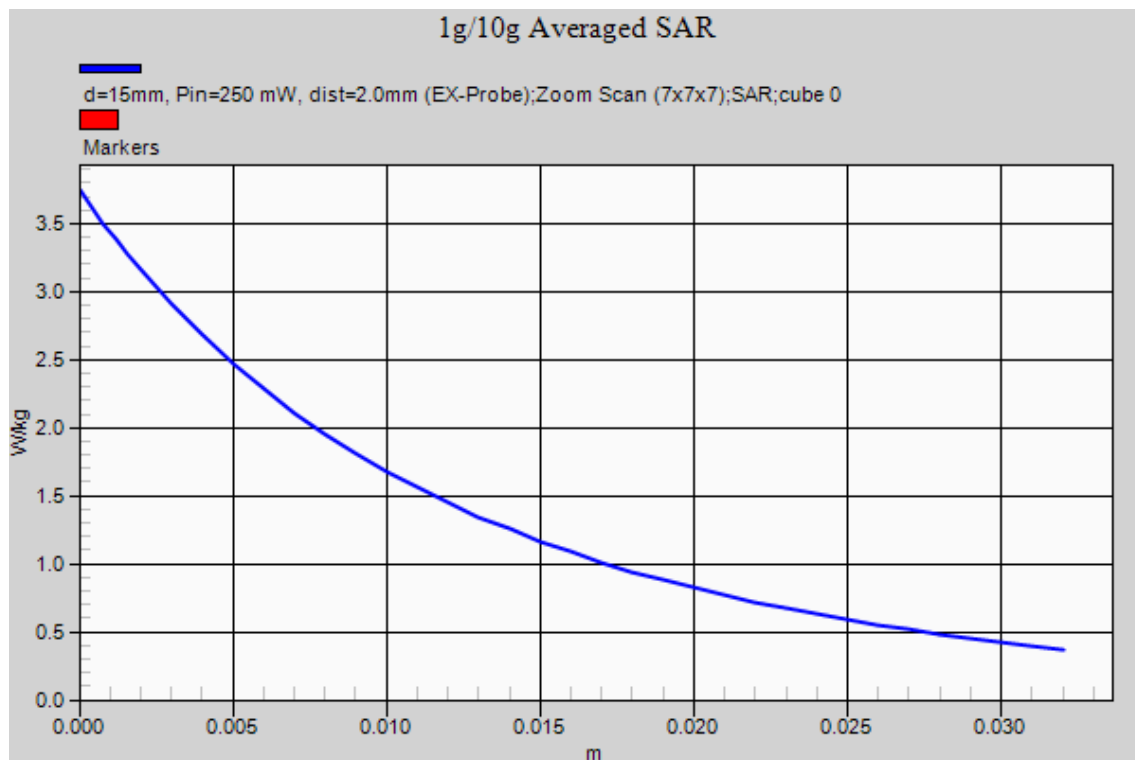
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 60.50 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 3.75 W/kg

SAR(1 g) = 2.49 W/kg; SAR(10 g) = 1.64 W/kg

Maximum value of SAR (measured) = 3.16 W/kg



DUT: Dipole 835 MHz D835V2; Type: D835V2; Serial: D835V2 - SN:4d163

(Body)

Communication System: CW; Frequency: 835MHz

Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.982 \text{ S/m}$; $\epsilon_r = 53.129$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat section

DASY Configuration

Probe: EX3DV4 - SN3957; ConvF(9.78, 9.78, 9.78); Calibrated: 12/3/2013;

Sensor-Surface: 2mm (Mechanical Surface Detection), $z = 1.0, 31.0$

Electronics: DAE4 Sn1409; Calibrated: 11/22/2013

Phantom: ELI v5.0 (20deg probe tilt) TP;1230; Type: QDOVA002AA; Serial: TP:1230

DASY52, Version 52.8 (8);

Test date: 2014-9-22; Ambient Temp: 22.1; Tissue Temp: 21.8

835 MHz System Verification

Area Scan (51x121x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 3.06 W/kg

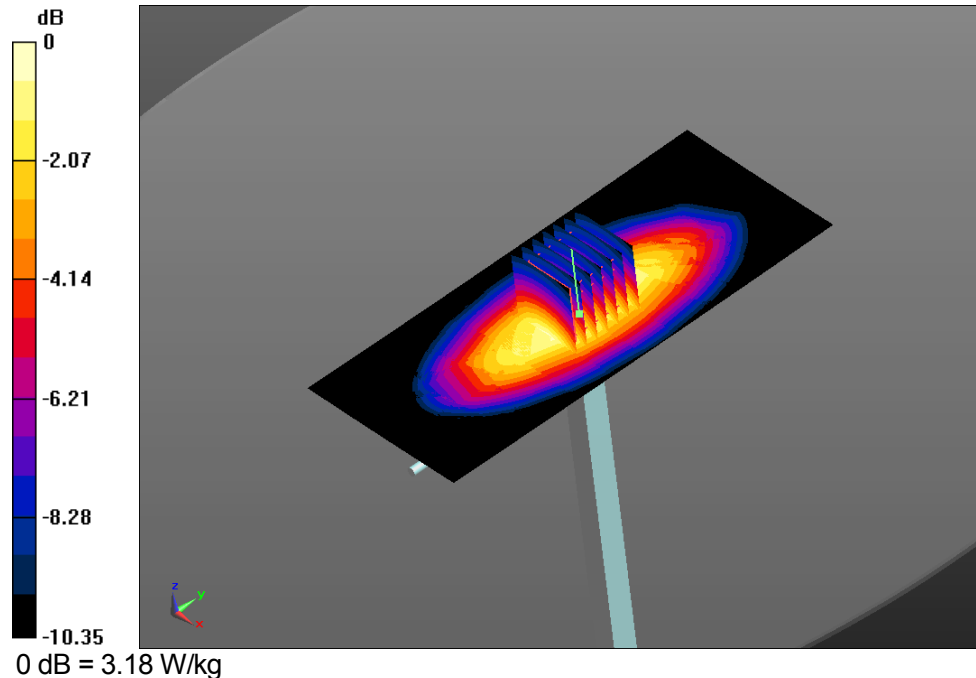
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 58.16 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 3.75 W/kg

SAR(1 g) = 2.51 W/kg; SAR(10 g) = 1.65 W/kg

Maximum value of SAR (measured) = 3.18 W/kg



DUT: Dipole 835 MHz D835V2; Type: D835V2; Serial: D835V2 - SN:4d163

(Body)

Communication System: CW; Frequency: 835MHz

Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.982 \text{ S/m}$; $\epsilon_r = 53.129$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat section

DASY Configuration

Probe: EX3DV4 - SN3957; ConvF(9.78, 9.78, 9.78); Calibrated: 12/3/2013;

Sensor-Surface: 2mm (Mechanical Surface Detection), $z = 1.0, 31.0$

Electronics: DAE4 Sn1409; Calibrated: 11/22/2013

Phantom: ELI v5.0 (20deg probe tilt) TP;1230; Type: QDOVA002AA; Serial: TP:1230

DASY52, Version 52.8 (8);

Test date: 2014-9-22; Ambient Temp: 22.1; Tissue Temp: 21.8

835 MHz System Verification

Area Scan (51x121x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 3.06 W/kg

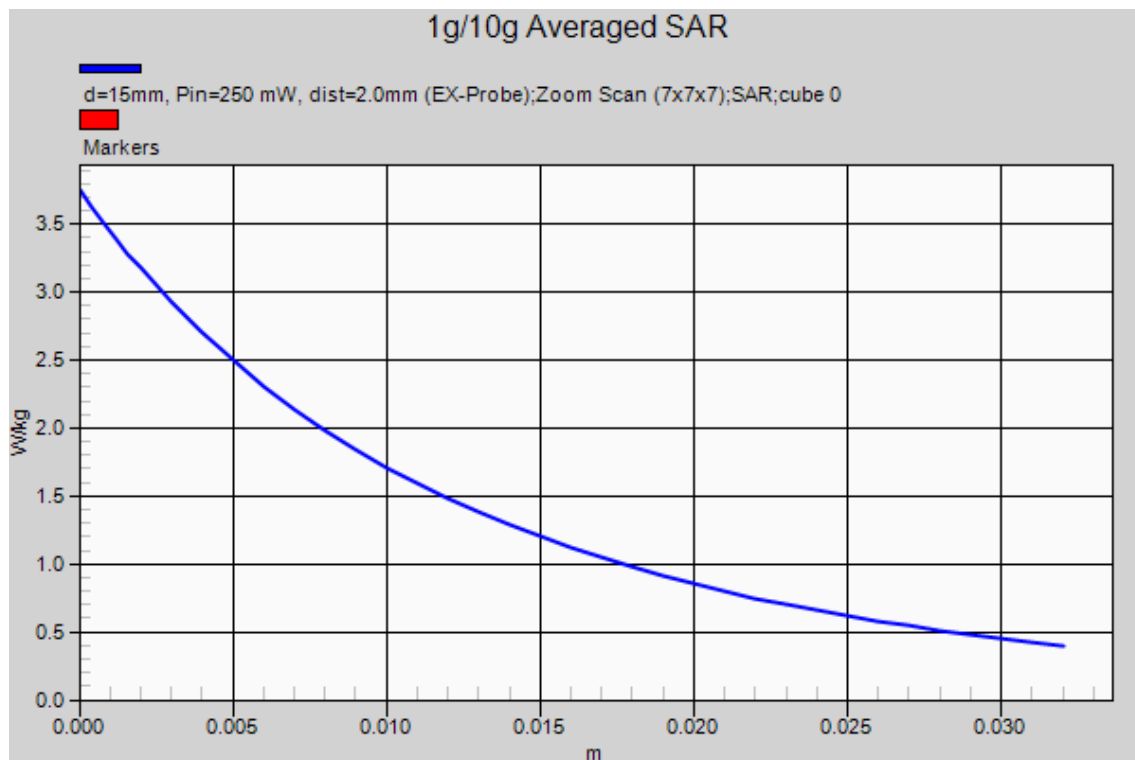
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 58.16 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 3.75 W/kg

SAR(1 g) = 2.51 W/kg; SAR(10 g) = 1.65 W/kg

Maximum value of SAR (measured) = 3.18 W/kg



DUT: Dipole 1900MHz; Type: D1900V2; Serial: D1900V2 – SN:5d183

(Head)

Communication System: CW; Frequency: 1900.0MHz

Medium parameters used: $f = 1900.0$ MHz; $\sigma = 1.407$ S/m; $\epsilon_r = 39.519$; $\rho = 1000$ kg/m³

Phantom section: Flat section

DASY Configuration

Probe: EX3DV4 - SN3957; ConvF(8.35, 8.35, 8.35); Calibrated: 12/3/2013;

Sensor-Surface: 2mm (Mechanical Surface Detection), $z = 1.0, 31.0$

Electronics: DAE4 Sn1409; Calibrated: 11/22/2013

Phantom: SAM v5.0 TP:1799; Type: QD000P40CD; Serial: TP:1799

DASY52, Version 52.8 (8);

Test date: 2014-9-24; Ambient Temp: 23.3; Tissue Temp: 23.0

1900 MHz System Verification

Area Scan (41x71x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 13.3 W/kg

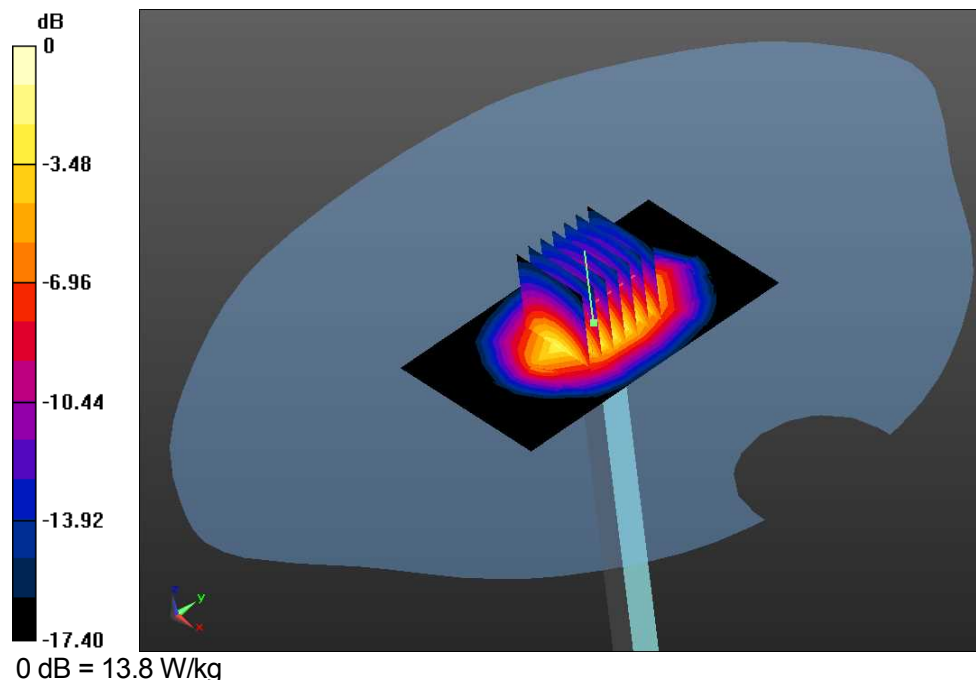
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 100.5 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 17.8 W/kg

SAR(1 g) = 9.58 W/kg; SAR(10 g) = 5 W/kg

Maximum value of SAR (measured) = 13.8 W/kg



DUT: Dipole 1900MHz; Type: D1900V2; Serial: D1900V2 – SN:5d183

(Head)

Communication System: CW; Frequency: 1900.0MHz

Medium parameters used: $f = 1900.0$ MHz; $\sigma = 1.407$ S/m; $\epsilon_r = 39.519$; $\rho = 1000$ kg/m³

Phantom section: Flat section

DASY Configuration

Probe: EX3DV4 - SN3957; ConvF(8.35, 8.35, 8.35); Calibrated: 12/3/2013;

Sensor-Surface: 2mm (Mechanical Surface Detection), $z = 1.0, 31.0$

Electronics: DAE4 Sn1409; Calibrated: 11/22/2013

Phantom: SAM v5.0 TP:1799; Type: QD000P40CD; Serial: TP:1799

DASY52, Version 52.8 (8);

Test date: 2014-9-24; Ambient Temp: 23.3; Tissue Temp: 23.0

19000 MHz System Verification

Area Scan (41x71x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 13.3 W/kg

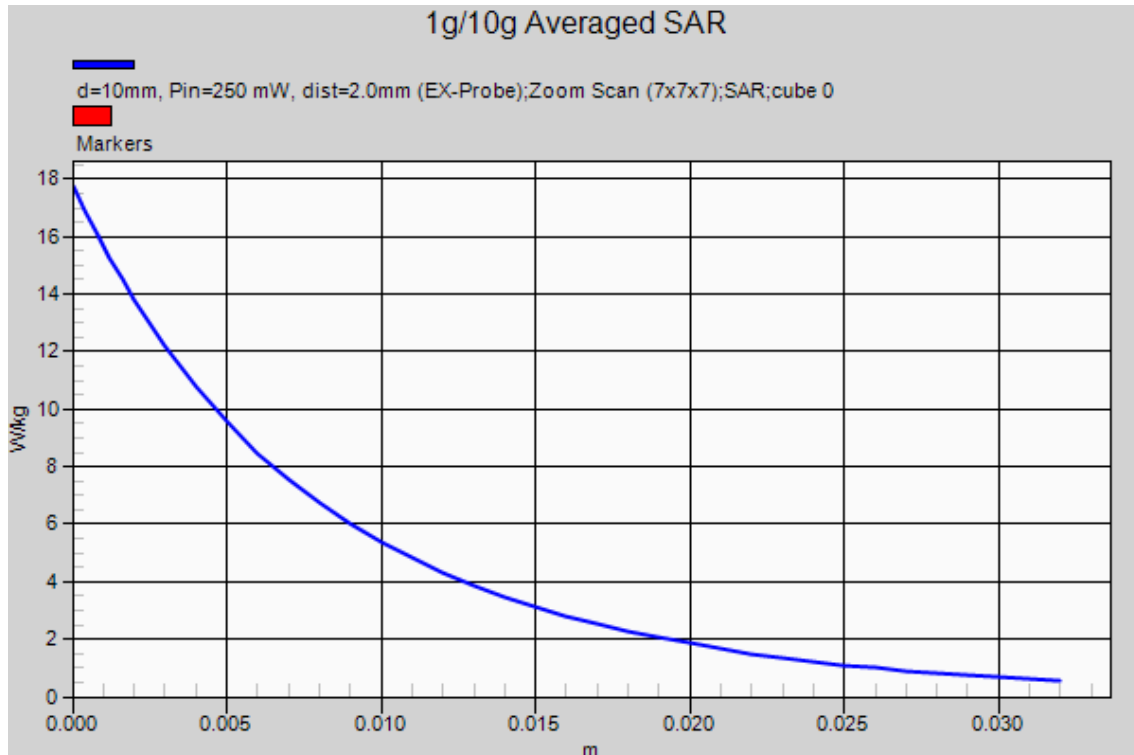
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 100.5 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 17.8 W/kg

SAR(1 g) = 9.58 W/kg; SAR(10 g) = 5 W/kg

Maximum value of SAR (measured) = 13.8 W/kg



DUT: Dipole 1900 MHz D1900V2; Type: D1900V2; Serial: D1900V2 - SN:5d183

(Body)

Communication System: CW; Frequency: 1900.0MHz

Medium parameters used: $f = 1900.0$ MHz; $\sigma = 1.54$ S/m; $\epsilon_r = 51.762$; $\rho = 1000$ kg/m³

Phantom section: Flat section

DASY Configuration

Probe: EX3DV4 - SN3957; ConvF(7.91, 7.91, 7.91); Calibrated: 12/3/2013;

Sensor-Surface: 2mm (Mechanical Surface Detection), $z = 1.0, 31.0$

Electronics: DAE4 Sn1409; Calibrated: 11/22/2013

Phantom: ELI v5.0 (20deg probe tilt) TP;1230; Type: QDOVA002AA; Serial: TP:1230

DASY52, Version 52.8 (8);

Test date: 2014-9-25; Ambient Temp: 23.2; Tissue Temp: 22.9

1900 MHz System Verification

Area Scan (41x71x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 13.0 W/kg

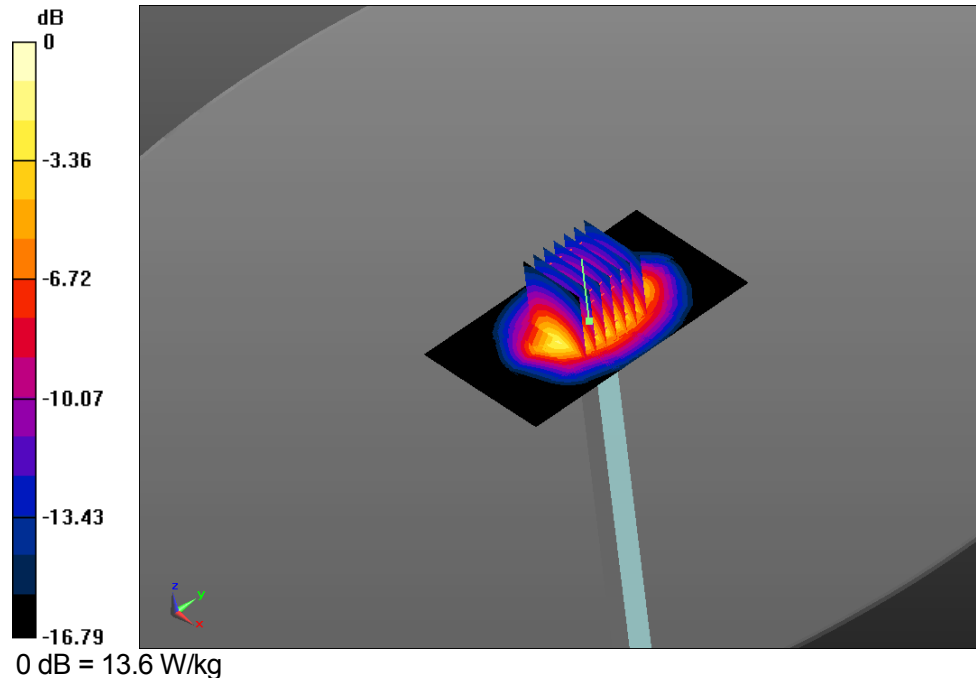
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 94.89 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 17.2 W/kg

SAR(1 g) = 9.65 W/kg; SAR(10 g) = 5.15 W/kg

Maximum value of SAR (measured) = 13.6 W/kg



DUT: Dipole 1900 MHz D1900V2; Type: D1900V2; Serial: D1900V2 - SN:5d183

(Body)

Communication System: CW; Frequency: 1900.0MHz

Medium parameters used: $f = 1900.0$ MHz; $\sigma = 1.54$ S/m; $\epsilon_r = 51.762$; $\rho = 1000$ kg/m³

Phantom section: Flat section

DASY Configuration

Probe: EX3DV4 - SN3957; ConvF(7.91, 7.91, 7.91); Calibrated: 12/3/2013;

Sensor-Surface: 2mm (Mechanical Surface Detection), $z = 1.0, 31.0$

Electronics: DAE4 Sn1409; Calibrated: 11/22/2013

Phantom: ELI v5.0 (20deg probe tilt) TP;1230; Type: QDOVA002AA; Serial: TP:1230

DASY52, Version 52.8 (8);

Test date: 2014-9-25; Ambient Temp: 23.2; Tissue Temp: 22.9

1900 MHz System Verification

Area Scan (41x71x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 13.0 W/kg

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

Reference Value = 94.89 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 17.2 W/kg

SAR(1 g) = 9.65 W/kg; SAR(10 g) = 5.15 W/kg

Maximum value of SAR (measured) = 13.6 W/kg

