

SAR Plots

- Verification Plots
- SAR Test Plots

DT&C Co., Ltd.

DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:920

Communication System: CW (0); Frequency: 2450 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2450$ MHz; $\sigma = 1.963$ S/m; $\epsilon_r = 51.643$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

Probe: ES3DV3 - SN3327; ConvF(4.52, 4.52, 4.52); Calibrated: 8/30/2016; Electronics: DAE4 Sn1392

Phantom: ELI v6.0; Type: QDOVA003AA; Serial: TP:2008

Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2017-02-01; Ambient Temp: 21.4; Tissue Temp: 21.6

2450 MHz System Verification

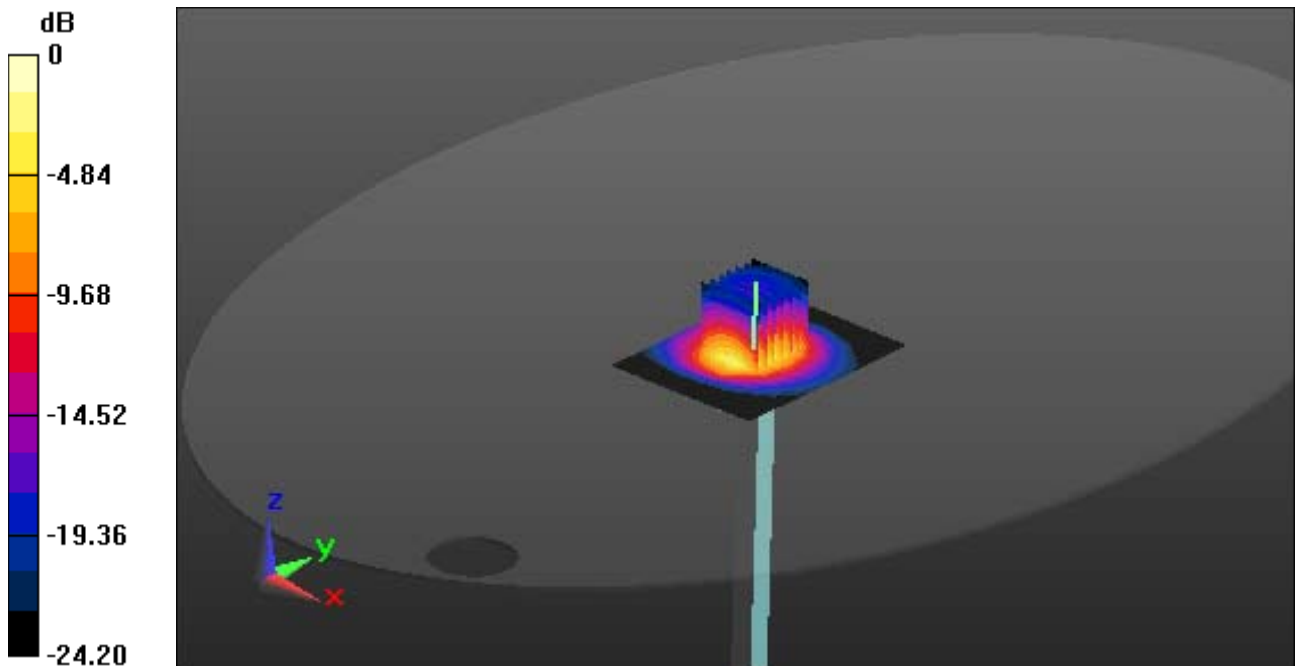
Area Scan (7x9x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

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

Power Drift = -0.13 dB

Peak SAR (extrapolated) = 32.0 W/kg

SAR(1 g) = 13.6 W/kg; SAR(10 g) = 6.24 W/kg



DT&C Co., Ltd.

DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:920

Communication System: CW (0); Frequency: 2450 MHz; Duty Cycle: 1:1
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Phantom section: Flat Section

DASY5 Configuration:

Probe: ES3DV3 - SN3327; ConvF(4.52, 4.52, 4.52); Calibrated: 8/30/2016; Electronics: DAE4 Sn1392
Phantom: ELI v6.0; Type: QDOVA003AA; Serial: TP:2008
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2017-02-01; Ambient Temp: 21.4; Tissue Temp: 21.6

2450 MHz System Verification

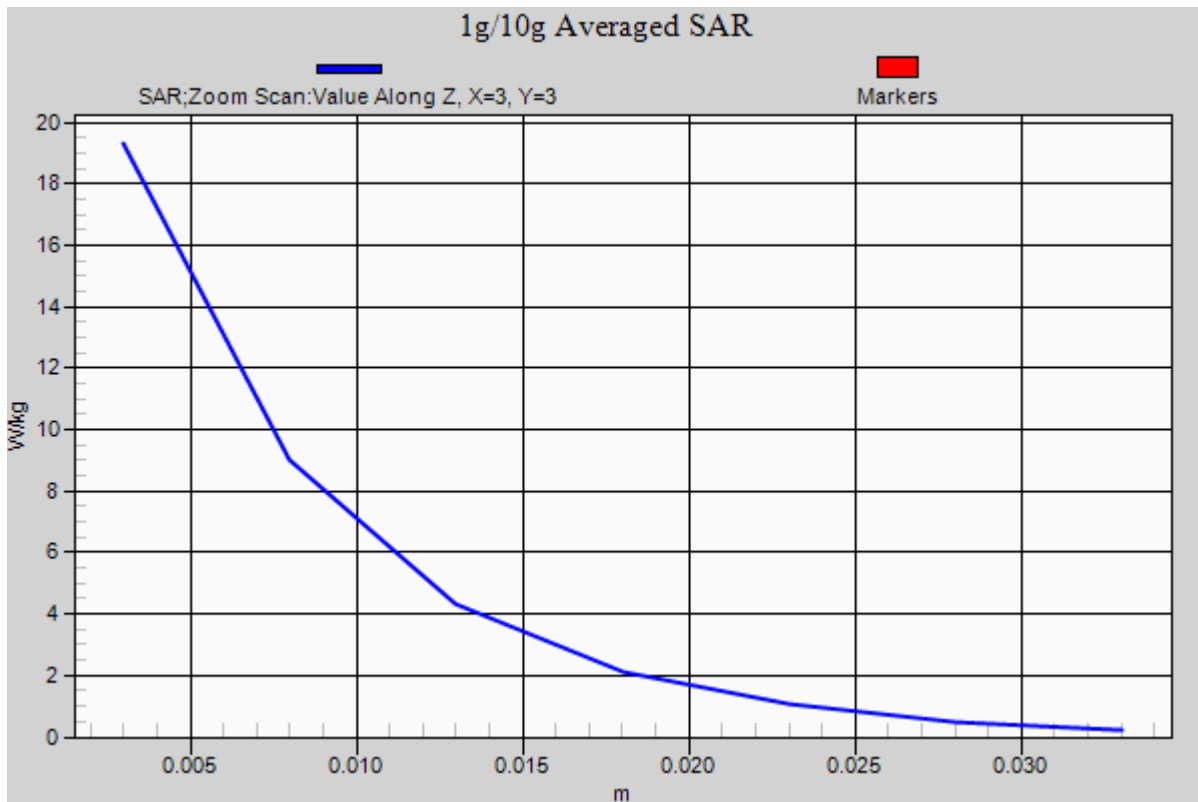
Area Scan (7x9x1): Measurement grid: dx=12mm, dy=12mm

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

Power Drift = -0.13 dB

Peak SAR (extrapolated) = 32.0 W/kg

SAR(1 g) = 13.6 W/kg; SAR(10 g) = 6.24 W/kg



DT&C Co., Ltd.

DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:920

Communication System: CW (0); Frequency: 2450 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2450$ MHz; $\sigma = 1.937$ S/m; $\epsilon_r = 51.626$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

Probe: ES3DV3 - SN3327; ConvF(4.52, 4.52, 4.52); Calibrated: 8/30/2016; Electronics: DAE4 Sn1392

Phantom: ELI v6.0; Type: QDOVA003AA; Serial: TP:2008

Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2017-02-02; Ambient Temp: 21.1; Tissue Temp: 21.5

2450 MHz System Verification

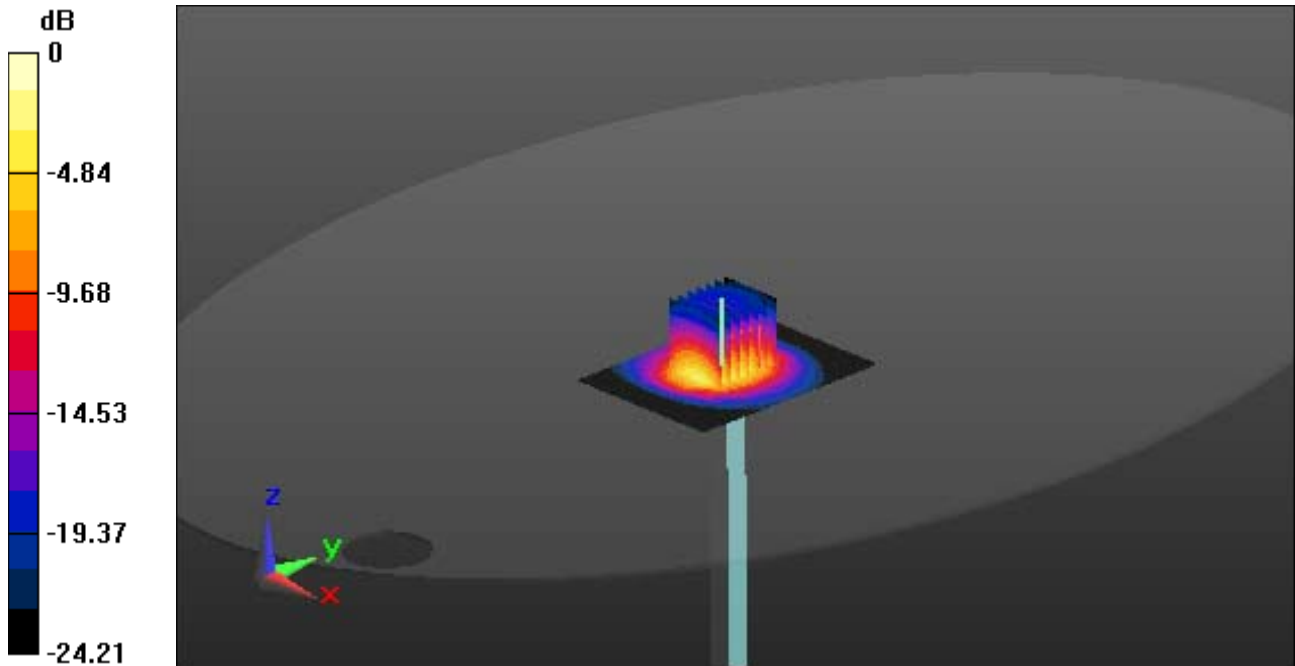
Area Scan (7x9x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

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

Power Drift = -0.03 dB

Peak SAR (extrapolated) = 31.6 W/kg

SAR(1 g) = 13.1 W/kg; SAR(10 g) = 6.21 W/kg



0 dB = 19.1 W/kg

DT&C Co., Ltd.

DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:920

Communication System: CW (0); Frequency: 2450 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2450$ MHz; $\sigma = 1.937$ S/m; $\epsilon_r = 51.626$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: ES3DV3 - SN3327; ConvF(4.52, 4.52, 4.52); Calibrated: 8/30/2016; Electronics: DAE4 Sn1392
Phantom: ELI v6.0; Type: QDOVA003AA; Serial: TP:2008
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2017-02-02; Ambient Temp: 21.1; Tissue Temp: 21.5

2450 MHz System Verification

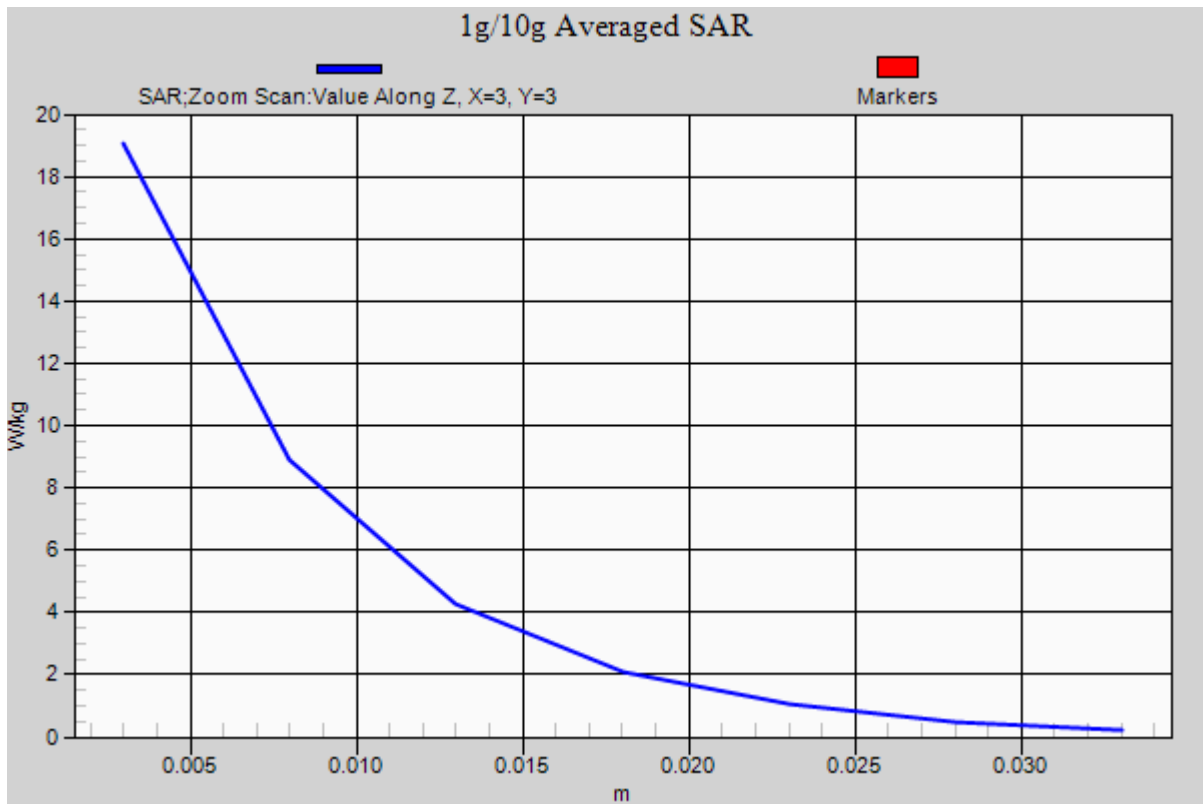
Area Scan (7x9x1): Measurement grid: dx=12mm, dy=12mm

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

Power Drift = -0.03 dB

Peak SAR (extrapolated) = 31.6 W/kg

SAR(1 g) = 13.1 W/kg; SAR(10 g) = 6.21 W/kg



DT&C Co., Ltd.

DUT: IW09; Type: USB Dongle

Communication System: Bluetooth (0); Frequency: 2480 MHz; Duty Cycle: 1:1.30017

Medium parameters used: $f = 2480$ MHz; $\sigma = 1.997$ S/m; $\epsilon_r = 51.556$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

Probe: ES3DV3 - SN3327; ConvF(4.52, 4.52, 4.52); Calibrated: 8/30/2016; Electronics: DAE4 Sn1392

Phantom: ELI v6.0; Type: QDOVA003AA; Serial: TP:2008

Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2017-02-01; Ambient Temp: 21.4; Tissue Temp: 21.6

5 mm space from Body, Rear, Bluetooth 1Mbps Ch. 78, Ant External

Ant. Model R-AN2400-1901RS

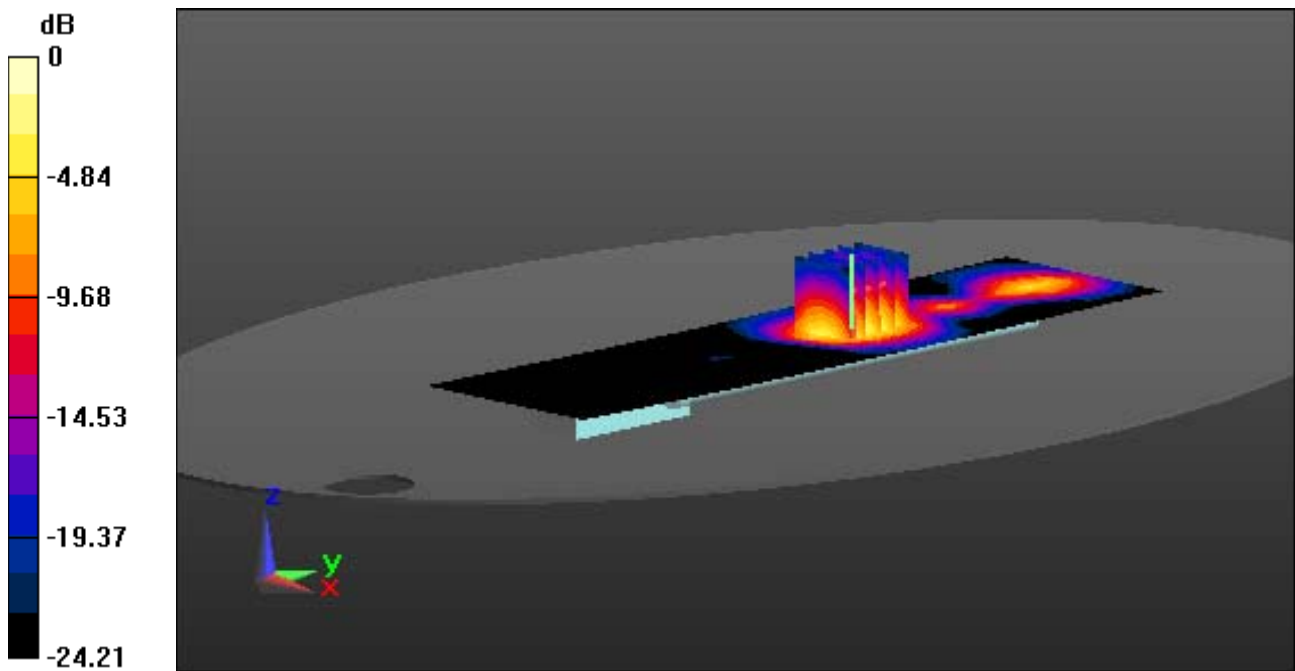
Area Scan (7x22x1): Measurement grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.572 W/kg

SAR(1 g) = 0.276 W/kg; SAR(10 g) = 0.132 W/kg



0 dB = 0.358 W/kg

DT&C Co., Ltd.

DUT: IW09; Type: USB Dongle

Communication System: Bluetooth (0); Frequency: 2480 MHz; Duty Cycle: 1:1.30017
Medium parameters used: $f = 2480$ MHz; $\sigma = 1.997$ S/m; $\epsilon_r = 51.556$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: ES3DV3 - SN3327; ConvF(4.52, 4.52, 4.52); Calibrated: 8/30/2016; Electronics: DAE4 Sn1392
Phantom: ELI v6.0; Type: QDOVA003AA; Serial: TP:2008
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2017-02-01; Ambient Temp: 21.4; Tissue Temp: 21.6

5 mm space from Body, Rear, Bluetooth 1Mbps Ch. 78, Ant External

Ant. Model R-AN2400-1901RS

With Enlarge plot image

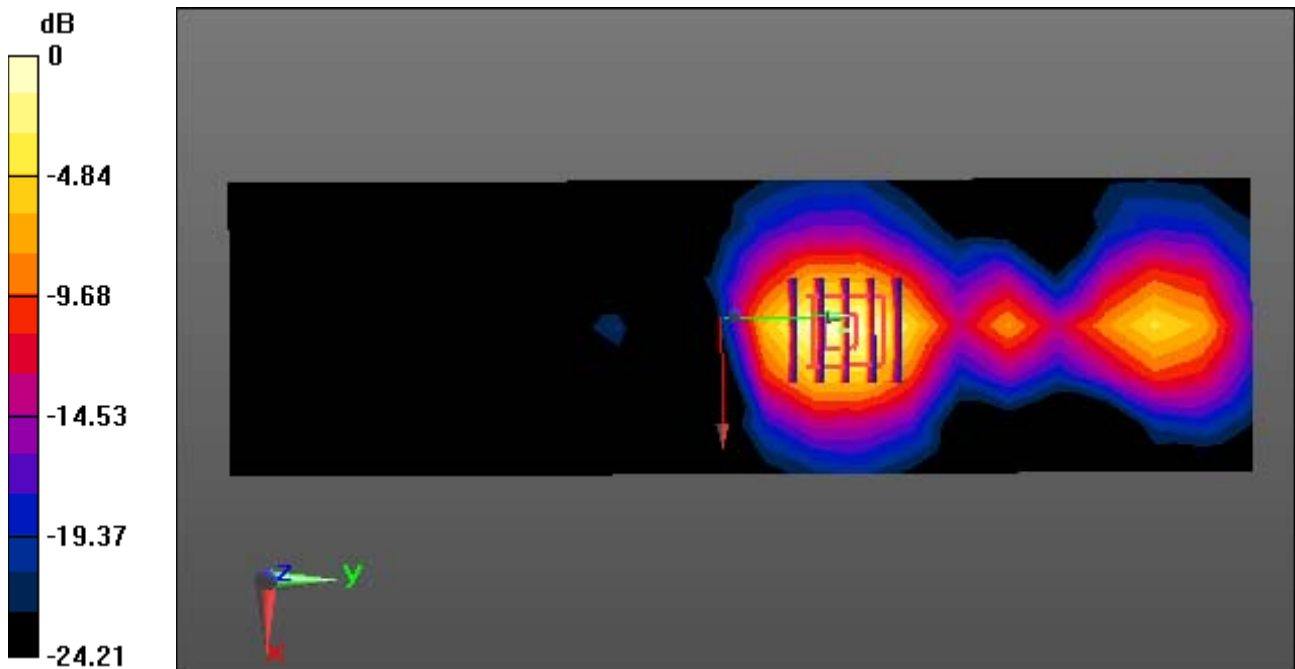
Area Scan (7x22x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

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Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2017-02-01; Ambient Temp: 21.4; Tissue Temp: 21.6

5 mm space from Body, Rear, Bluetooth 1Mbps Ch. 78, Ant External

Ant. Model R-AN2400-1901RS

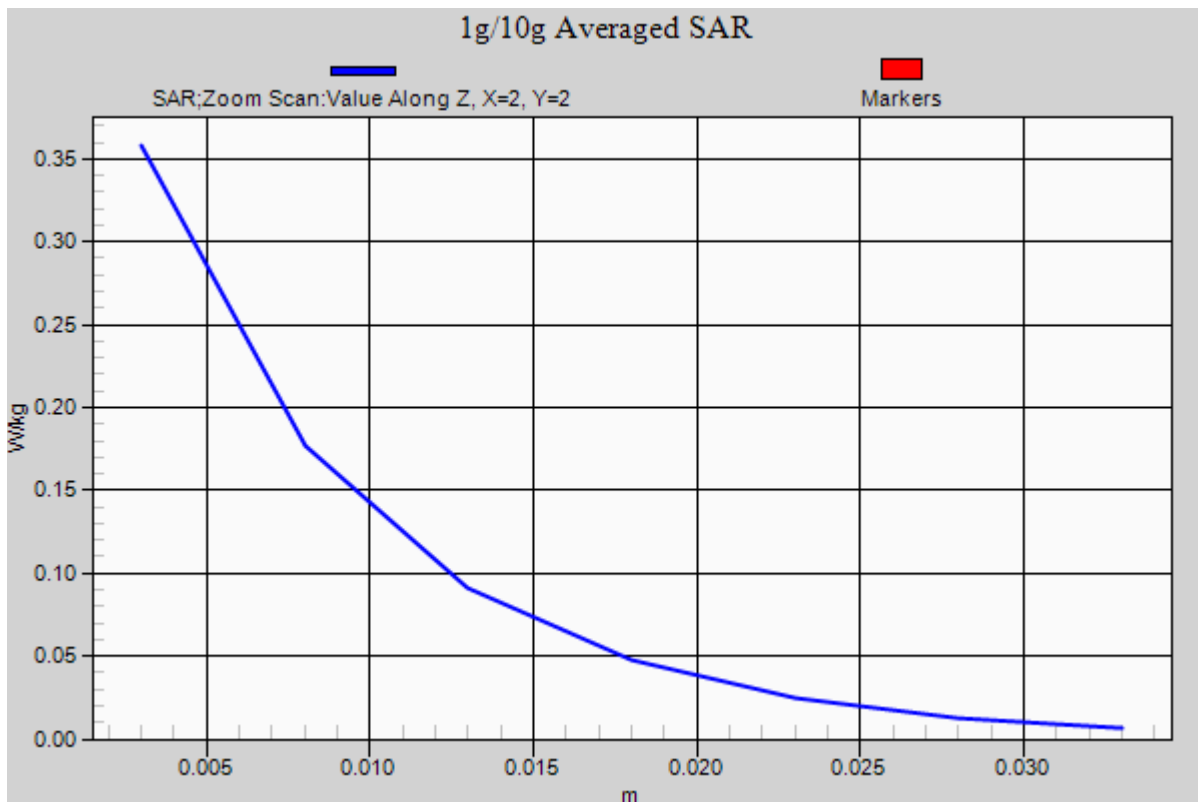
Area Scan (7x22x1): Measurement grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.572 W/kg

SAR(1 g) = 0.276 W/kg; SAR(10 g) = 0.132 W/kg



DT&C Co., Ltd.

DUT: IW09; Type: USB Dongle

Communication System: Bluetooth (0); Frequency: 2480 MHz; Duty Cycle: 1:1.30017
Medium parameters used: $f = 2480$ MHz; $\sigma = 1.964$ S/m; $\epsilon_r = 51.355$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: ES3DV3 - SN3327; ConvF(4.52, 4.52, 4.52); Calibrated: 8/30/2016; Electronics: DAE4 Sn1392
Phantom: ELI v6.0; Type: QDOVA003AA; Serial: TP:2008
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2017-02-02; Ambient Temp: 21.1; Tissue Temp: 21.5

5 mm space from Body, Rear, Bluetooth 1Mbps Ch. 78, Ant External

Ant. Model R-AN2400-5801RS

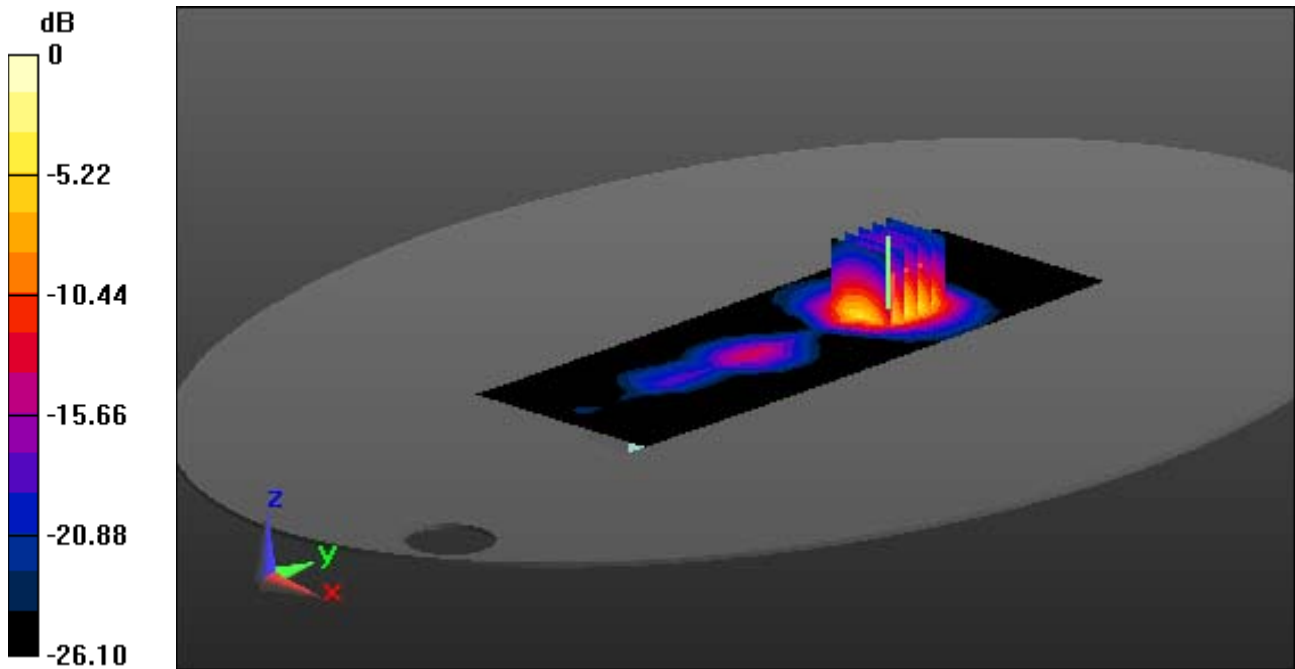
Area Scan (7x19x1): Measurement grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.42 W/kg

SAR(1 g) = 0.614 W/kg; SAR(10 g) = 0.263 W/kg



DT&C Co., Ltd.

DUT: IW09; Type: USB Dongle

Communication System: Bluetooth (0); Frequency: 2480 MHz; Duty Cycle: 1:1.30017
Medium parameters used: $f = 2480$ MHz; $\sigma = 1.964$ S/m; $\epsilon_r = 51.355$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: ES3DV3 - SN3327; ConvF(4.52, 4.52, 4.52); Calibrated: 8/30/2016; Electronics: DAE4 Sn1392
Phantom: ELI v6.0; Type: QDOVA003AA; Serial: TP:2008
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2017-02-02; Ambient Temp: 21.1; Tissue Temp: 21.5

5 mm space from Body, Rear, Bluetooth 1Mbps Ch. 78, Ant External

Ant. Model R-AN2400-5801RS

With Enlarge plot image

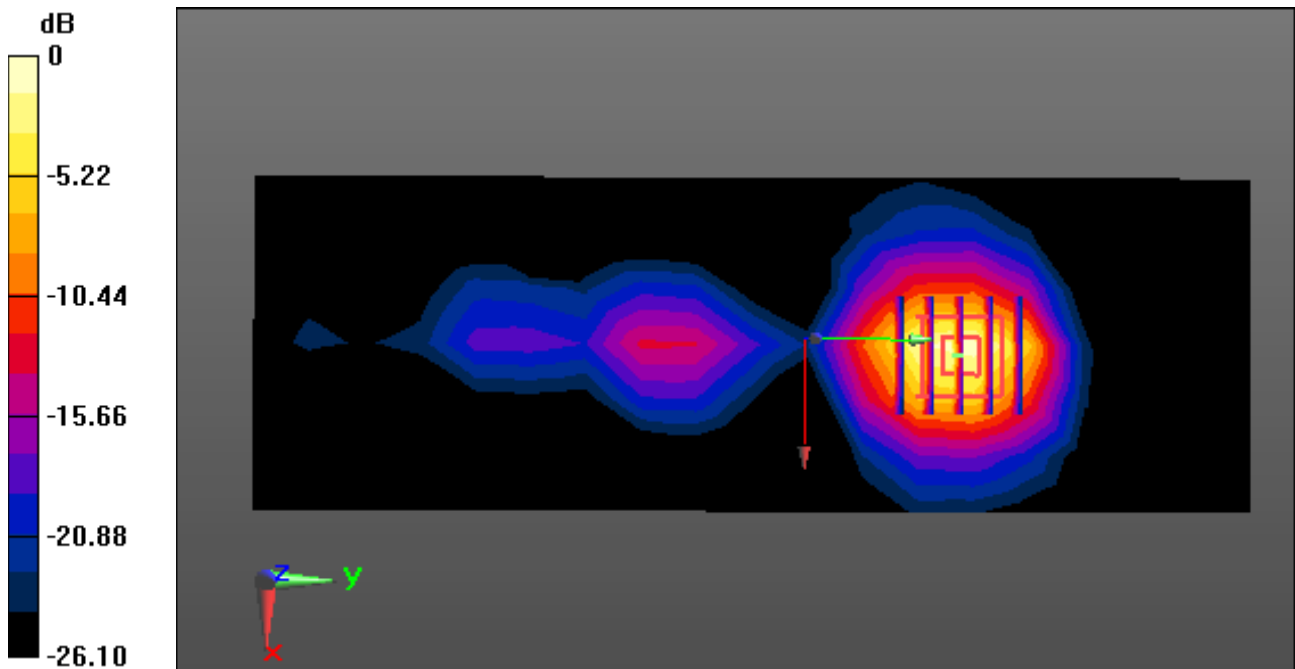
Area Scan (7x19x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.42 W/kg

SAR(1 g) = 0.614 W/kg; SAR(10 g) = 0.263 W/kg



0 dB = 0.825 W/kg

DT&C Co., Ltd.

DUT: IW09; Type: USB Dongle

Communication System: Bluetooth (0); Frequency: 2480 MHz; Duty Cycle: 1:1.30017
Medium parameters used: $f = 2480$ MHz; $\sigma = 1.964$ S/m; $\epsilon_r = 51.355$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: ES3DV3 - SN3327; ConvF(4.52, 4.52, 4.52); Calibrated: 8/30/2016; Electronics: DAE4 Sn1392
Phantom: ELI v6.0; Type: QDOVA003AA; Serial: TP:2008
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2017-02-02; Ambient Temp: 21.1; Tissue Temp: 21.5

5 mm space from Body, Rear, Bluetooth 1Mbps Ch. 78, Ant External

Ant. Model R-AN2400-5801RS

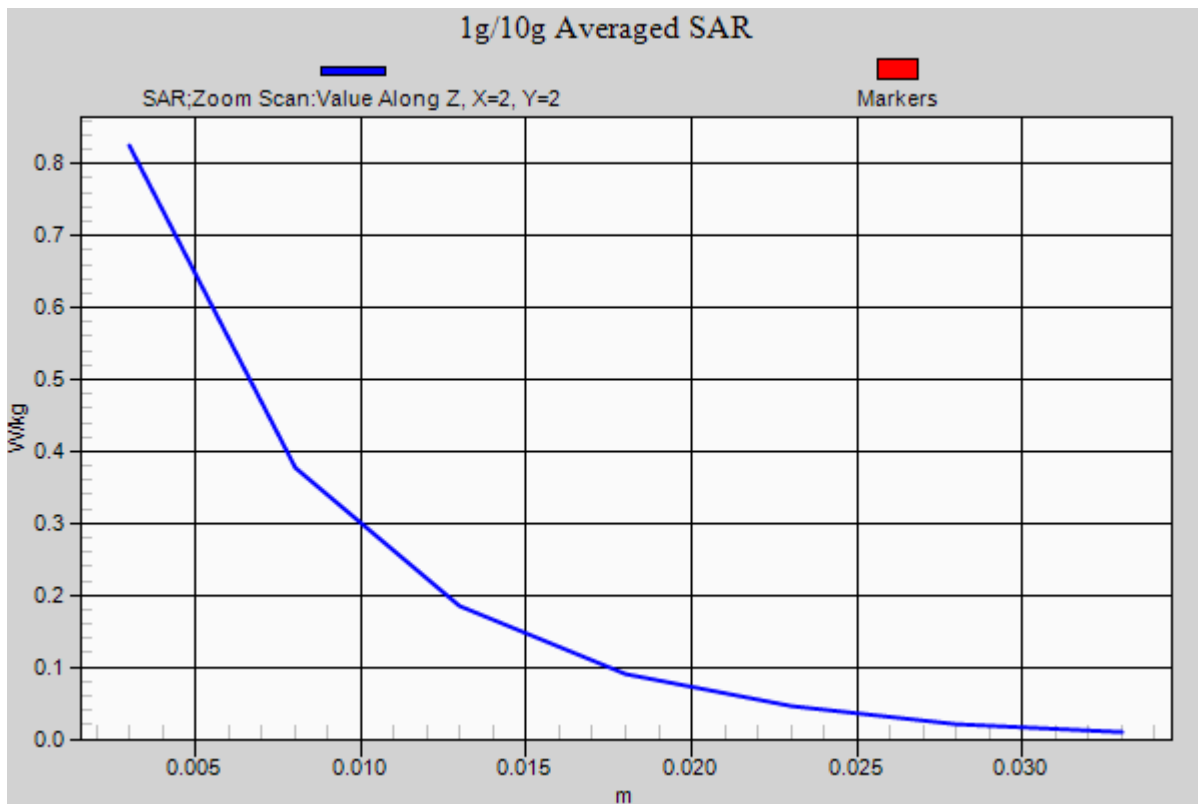
Area Scan (7x19x1): Measurement grid: dx=15mm, dy=15mm

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SAR(1 g) = 0.614 W/kg; SAR(10 g) = 0.263 W/kg



DT&C Co., Ltd.

DUT: IW09; Type: USB Dongle

Communication System: Bluetooth (0); Frequency: 2480 MHz; Duty Cycle: 1:1.30017
Medium parameters used: $f = 2480$ MHz; $\sigma = 1.964$ S/m; $\epsilon_r = 51.355$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

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Phantom: ELI v6.0; Type: QDOVA003AA; Serial: TP:2008
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2017-02-02; Ambient Temp: 21.1; Tissue Temp: 21.5

5 mm space from Body, Rear, Bluetooth 1Mbps Ch. 78, Ant External

Ant. Model AN2400-3306RS

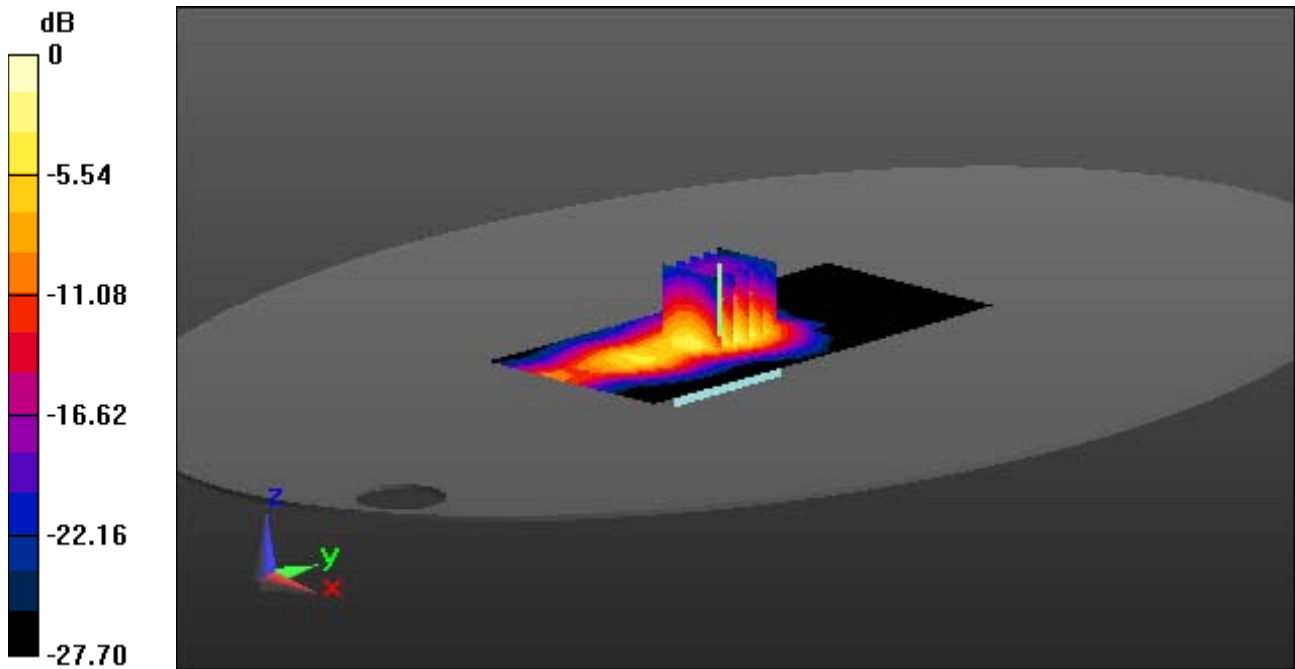
Area Scan (7x14x1): Measurement grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.735 W/kg

SAR(1 g) = 0.346 W/kg; SAR(10 g) = 0.160 W/kg



DT&C Co., Ltd.

DUT: IW09; Type: USB Dongle

Communication System: Bluetooth (0); Frequency: 2480 MHz; Duty Cycle: 1:1.30017
Medium parameters used: $f = 2480$ MHz; $\sigma = 1.964$ S/m; $\epsilon_r = 51.355$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: ES3DV3 - SN3327; ConvF(4.52, 4.52, 4.52); Calibrated: 8/30/2016; Electronics: DAE4 Sn1392
Phantom: ELI v6.0; Type: QDOVA003AA; Serial: TP:2008
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2017-02-02; Ambient Temp: 21.1; Tissue Temp: 21.5

5 mm space from Body, Rear, Bluetooth 1Mbps Ch. 78, Ant External

Ant. Model AN2400-3306RS

With Enlarge plot image

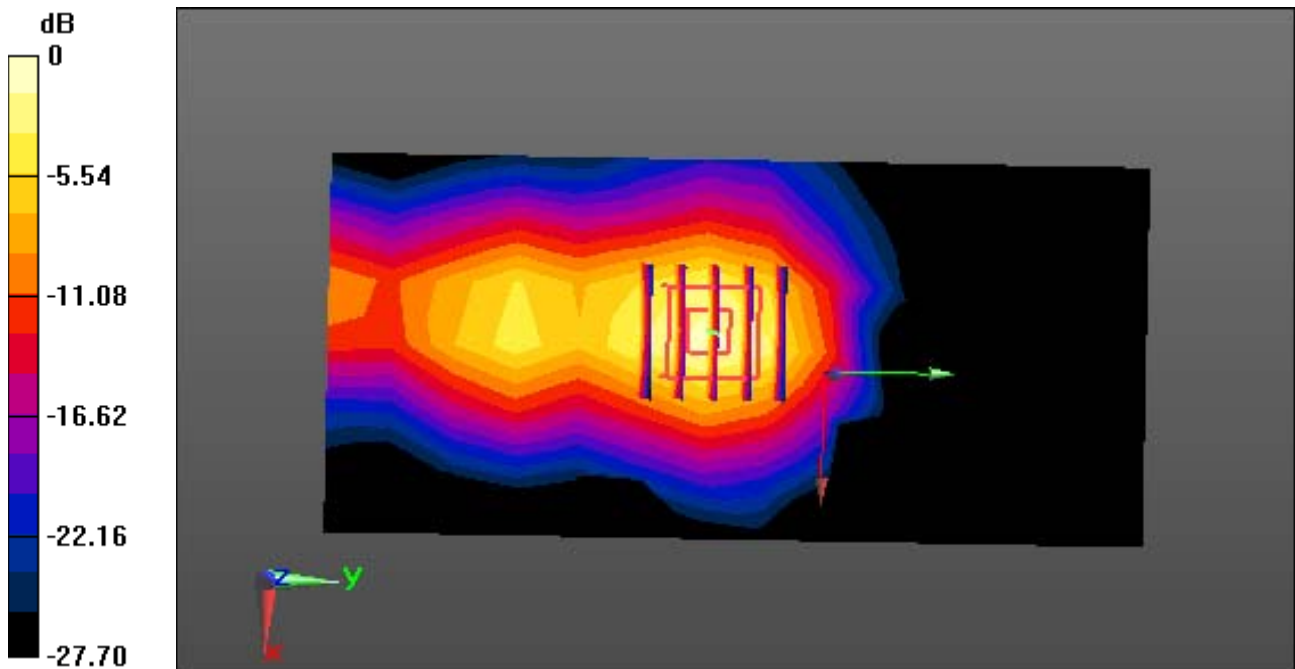
Area Scan (7x14x1): Measurement grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.735 W/kg

SAR(1 g) = 0.346 W/kg; SAR(10 g) = 0.160 W/kg



0 dB = 0.450 W/kg

DT&C Co., Ltd.

DUT: IW09; Type: USB Dongle

Communication System: Bluetooth (0); Frequency: 2480 MHz; Duty Cycle: 1:1.30017
Medium parameters used: $f = 2480$ MHz; $\sigma = 1.964$ S/m; $\epsilon_r = 51.355$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

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Phantom: ELI v6.0; Type: QDOVA003AA; Serial: TP:2008
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2017-02-02; Ambient Temp: 21.1; Tissue Temp: 21.5

5 mm space from Body, Rear, Bluetooth 1Mbps Ch. 78, Ant External

Ant. Model AN2400-3306RS

Area Scan (7x14x1): Measurement grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.735 W/kg

SAR(1 g) = 0.346 W/kg; SAR(10 g) = 0.160 W/kg

