SAR Plots

- Verification Plots
- SAR Test Plots

DT&C Co., Ltd.

DUT: Dipole 900 MHz; Type: D900V2; Serial: D900V2 - SN:1d146

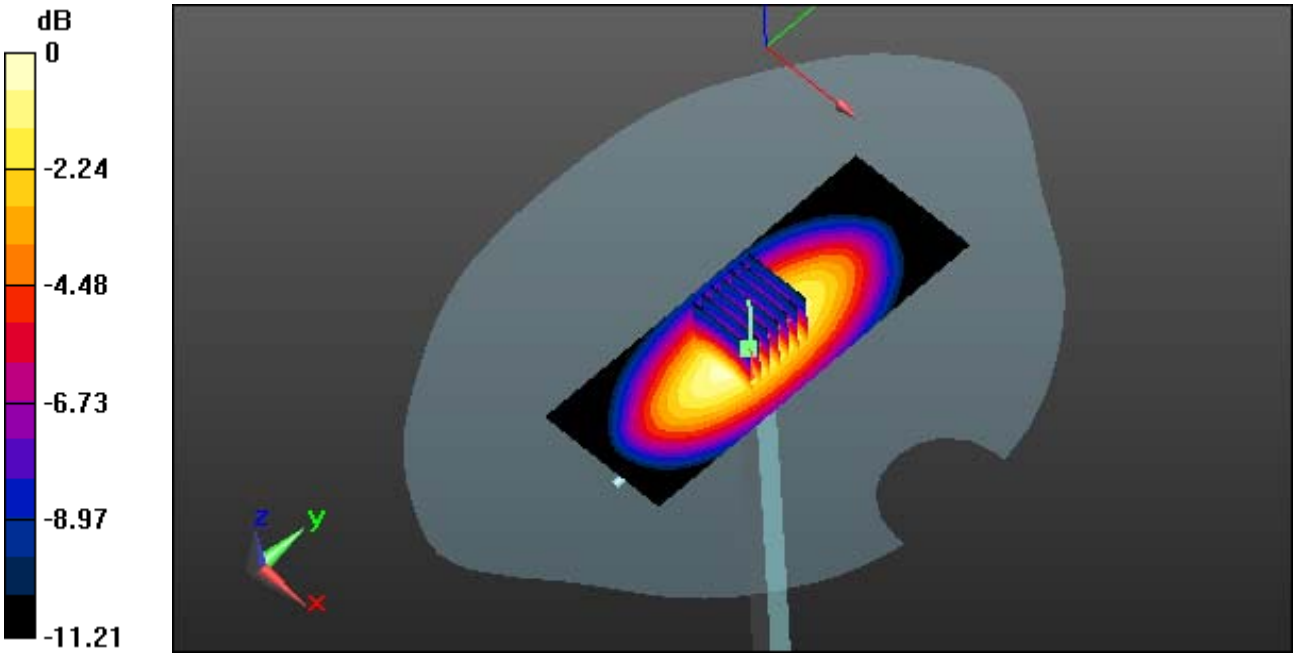
Communication System: CW; Frequency: 900 MHz; Duty Cycle: 1:1
Medium parameters used: f = 900 MHz; σ = 0.98 S/m; ε_r = 43.01; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(8.93, 8.93, 8.93); Calibrated: 5/27/2015; Electronics: DAE4 Sn1394
Phantom: SAM-twin middle(20deg probe tilt)_2013_09_24; Type: QD000P40CD; Serial: 1782
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2015-11-02; Ambient Temp: 20.2; Tissue Temp: 20.5

900 MHz System Verification

Area Scan (41x111x1): Interpolated grid: dx=15mm, dy=15mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = 0.01 dB
Peak SAR (extrapolated) = 4.19 W/kg
SAR(1 g) = 2.7 W/kg; SAR(10 g) = 1.67 W/kg



0 dB = 3.04 W/kg

DT&C Co., Ltd.

DUT: Dipole 900 MHz; Type: D900V2; Serial: D900V2 - SN:1d146

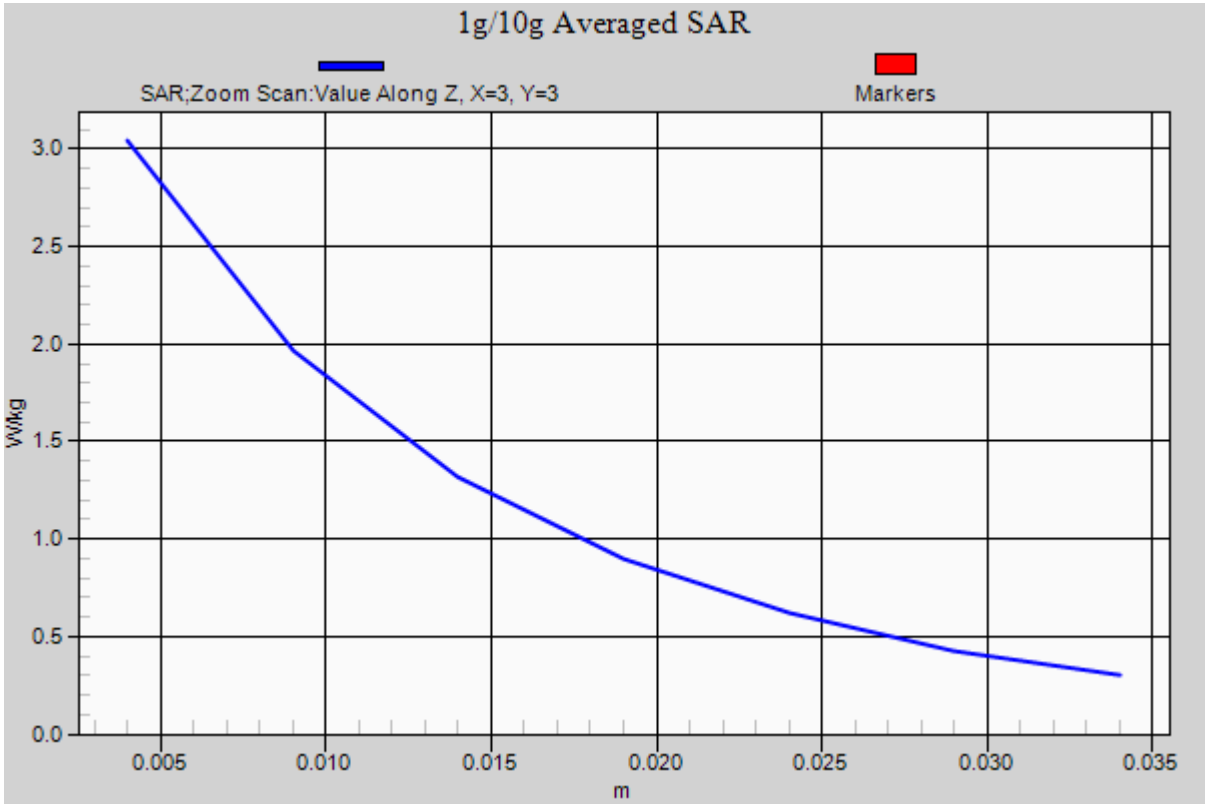
Communication System: CW; Frequency: 900 MHz; Duty Cycle: 1:1
Medium parameters used: f = 900 MHz; σ = 0.98 S/m; ε_r = 43.01; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(8.93, 8.93, 8.93); Calibrated: 5/27/2015; Electronics: DAE4 Sn1394
Phantom: SAM-twin middle(20deg probe tilt)_2013_09_24; Type: QD000P40CD; Serial: 1782
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2015-11-02; Ambient Temp: 20.2; Tissue Temp: 20.5

900 MHz System Verification

Area Scan (41x111x1): Interpolated grid: dx=15mm, dy=15mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = 0.01 dB
Peak SAR (extrapolated) = 4.19 W/kg
SAR(1 g) = 2.7 W/kg; SAR(10 g) = 1.67 W/kg



DT&C Co., Ltd.

DUT: Dipole 900 MHz; Type: D900V2; Serial: D900V2 - SN:1d146

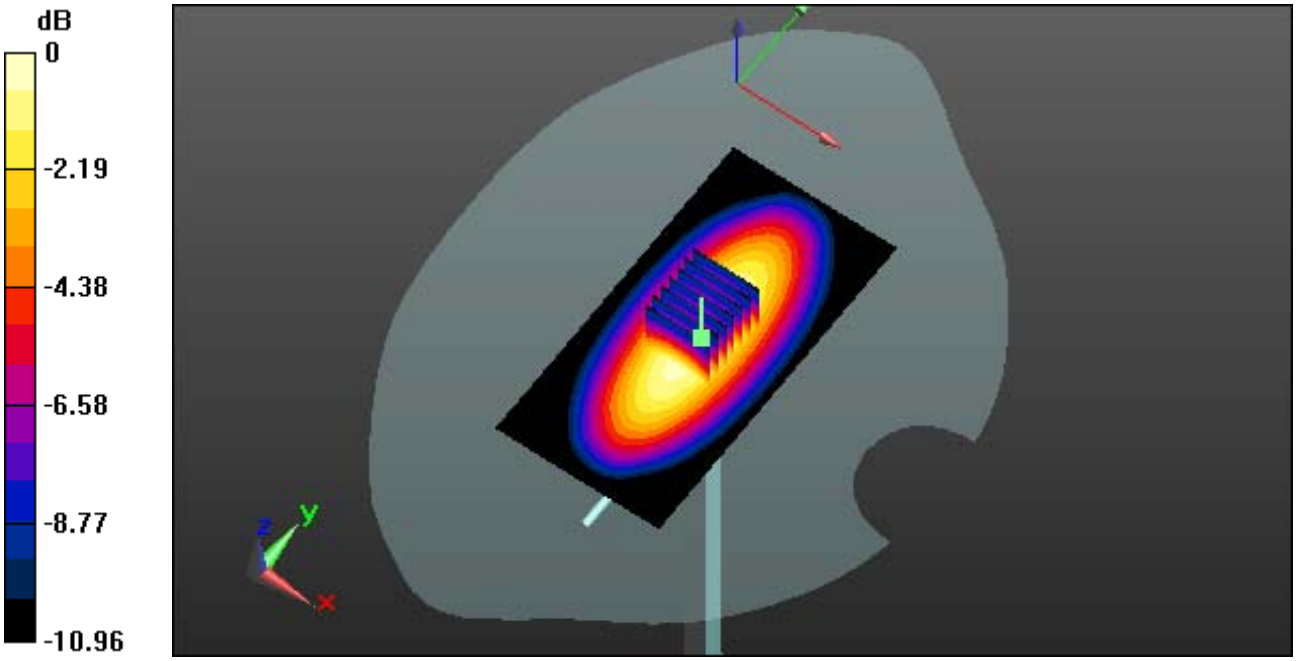
Communication System: CW; Frequency: 900 MHz; Duty Cycle: 1:1
Medium parameters used: f = 900 MHz; σ = 1.069 S/m; ε_r = 53.296; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(9.12, 9.12, 9.12); Calibrated: 5/27/2015; Electronics: DAE4 Sn1394
Phantom: SAM-twin middle(20deg probe tilt)_2013_09_24; Type: QD000P40CD; Serial: 1782
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2015-11-03; Ambient Temp: 20.4; Tissue Temp: 20.8

900 MHz System Verification

Area Scan (51x101x1): Interpolated grid: dx=15mm, dy=15mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = 0.05 dB
Peak SAR (extrapolated) = 4.14 W/kg
SAR(1 g) = 2.68 W/kg; SAR(10 g) = 1.71 W/kg



0 dB = 2.92 W/kg

DT&C Co., Ltd.

DUT: Dipole 900 MHz; Type: D900V2; Serial: D900V2 - SN:1d146

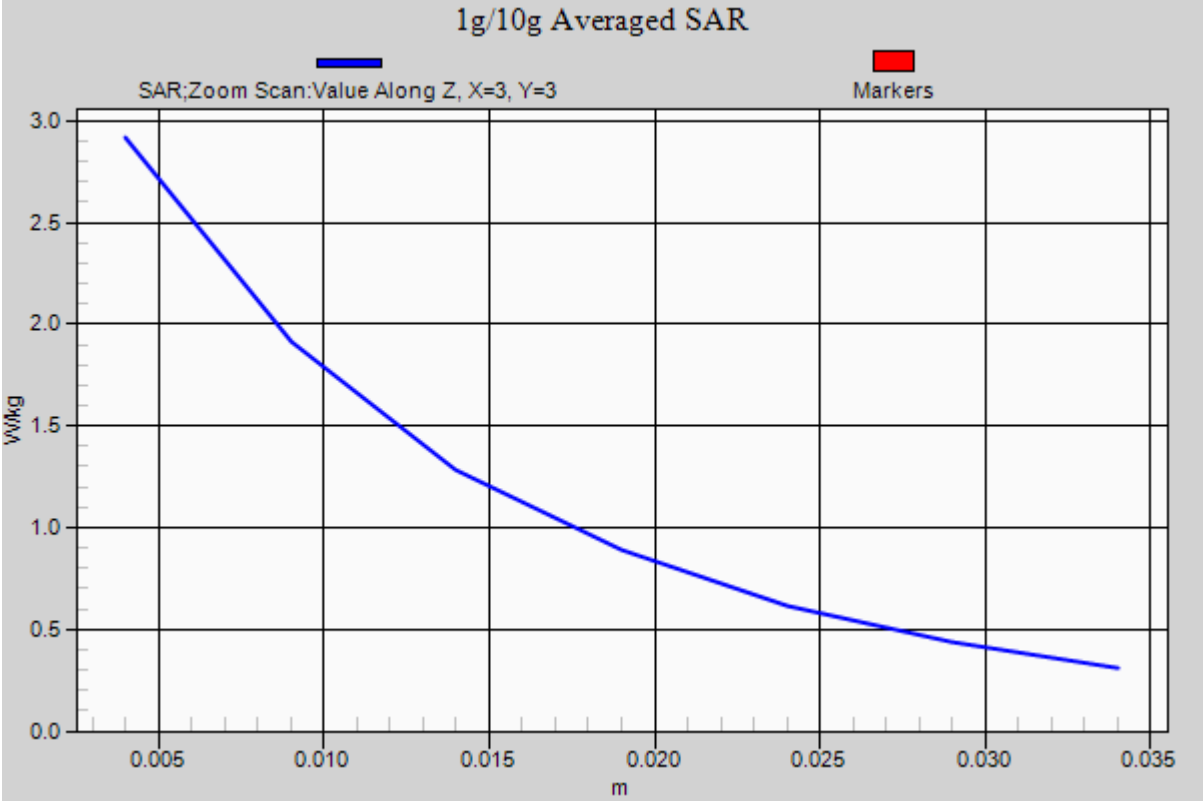
Communication System: CW; Frequency: 900 MHz; Duty Cycle: 1:1
Medium parameters used: f = 900 MHz; σ = 1.069 S/m; ε_r = 53.296; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(9.12, 9.12, 9.12); Calibrated: 5/27/2015; Electronics: DAE4 Sn1394
Phantom: SAM-twin middle(20deg probe tilt)_2013_09_24; Type: QD000P40CD; Serial: 1782
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2015-11-03; Ambient Temp: 20.4; Tissue Temp: 20.8

900 MHz System Verification

Area Scan (51x101x1): Interpolated grid: dx=15mm, dy=15mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = 0.05 dB
Peak SAR (extrapolated) = 4.14 W/kg
SAR(1 g) = 2.68 W/kg; SAR(10 g) = 1.71 W/kg



DT&C Co., Ltd.

DUT: S9-900TX; Type: MicroPhone

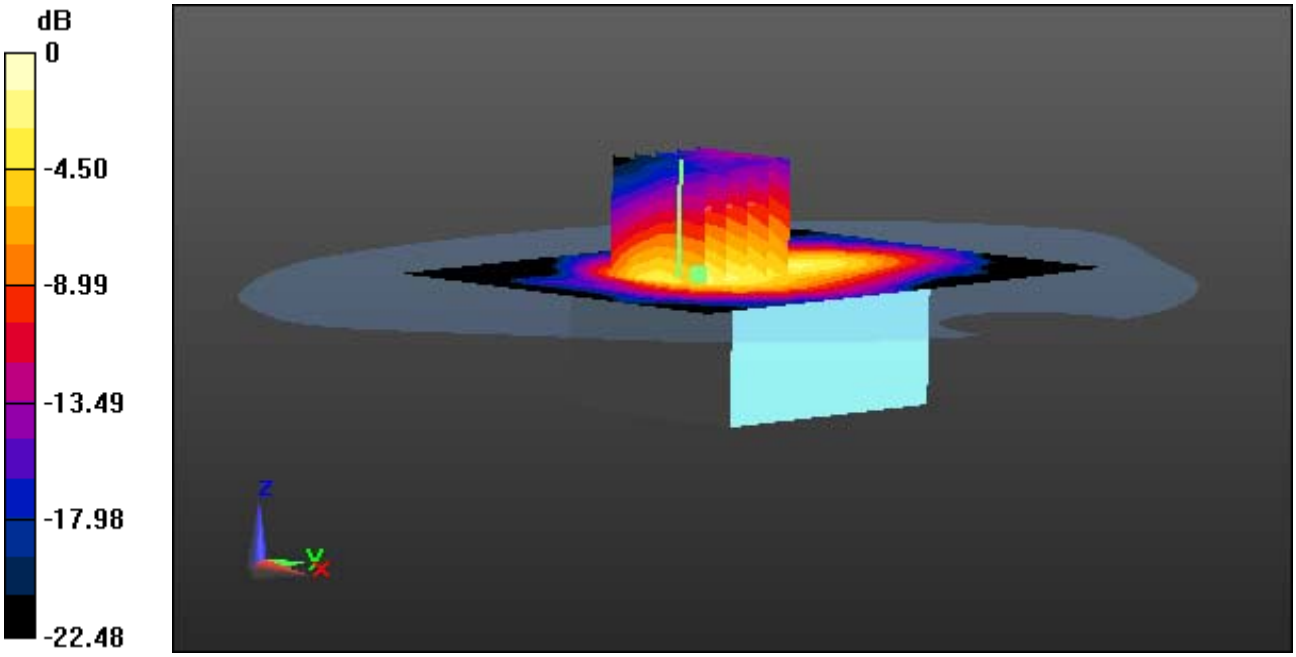
Communication System: S9-900TX (0); Frequency: 915.25 MHz; Duty Cycle: 1:2.057
Medium parameters used: f = 915.25 MHz; σ = 0.994 S/m; ε_r = 42.87; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(8.93, 8.93, 8.93); Calibrated: 5/27/2015; Electronics: DAE4 Sn1394
Phantom: SAM-twin middle(20deg probe tilt)_2013_09_24; Type: QD000P40CD; Serial: 1782
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2015-11-02; Ambient Temp: 20.2; Tissue Temp: 20.5

1cm space from Body, Front, 900MHz FHSS Ch.F2 , Ant Internal

Area Scan (71x101x1): Interpolated grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.238 W/kg
SAR(1 g) = 0.101 W/kg; SAR(10 g) = 0.048 W/kg



0 dB = 0.127 W/kg

DT&C Co., Ltd.

DUT: S9-900TX; Type: MicroPhone

Communication System: S9-900TX (0); Frequency: 915.25 MHz; Duty Cycle: 1:2.057
Medium parameters used: f = 915.25 MHz; σ = 0.994 S/m; ε_r = 42.87; ρ = 1000 kg/m^3
Phantom section: Flat Section

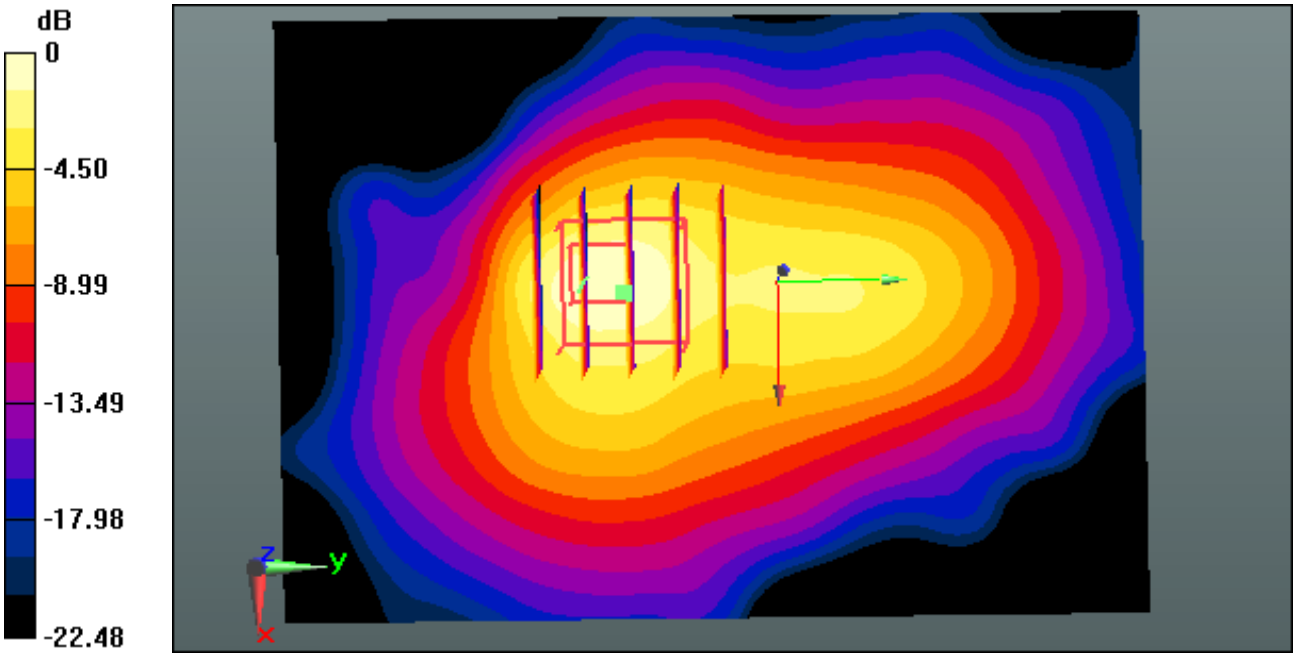
DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(8.93, 8.93, 8.93); Calibrated: 5/27/2015; Electronics: DAE4 Sn1394
Phantom: SAM-twin middle(20deg probe tilt)_2013_09_24; Type: QD000P40CD; Serial: 1782
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2015-11-02; Ambient Temp: 20.2; Tissue Temp: 20.5

1cm space from Body, Front, 900MHz FHSS Ch.F2 , Ant Internal

With Enlarge Plot image

Area Scan (71x101x1): Interpolated grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.238 W/kg
SAR(1 g) = 0.101 W/kg; SAR(10 g) = 0.048 W/kg



0 dB = 0.127 W/kg

DT&C Co., Ltd.

DUT: S9-900TX; Type: MicroPhone

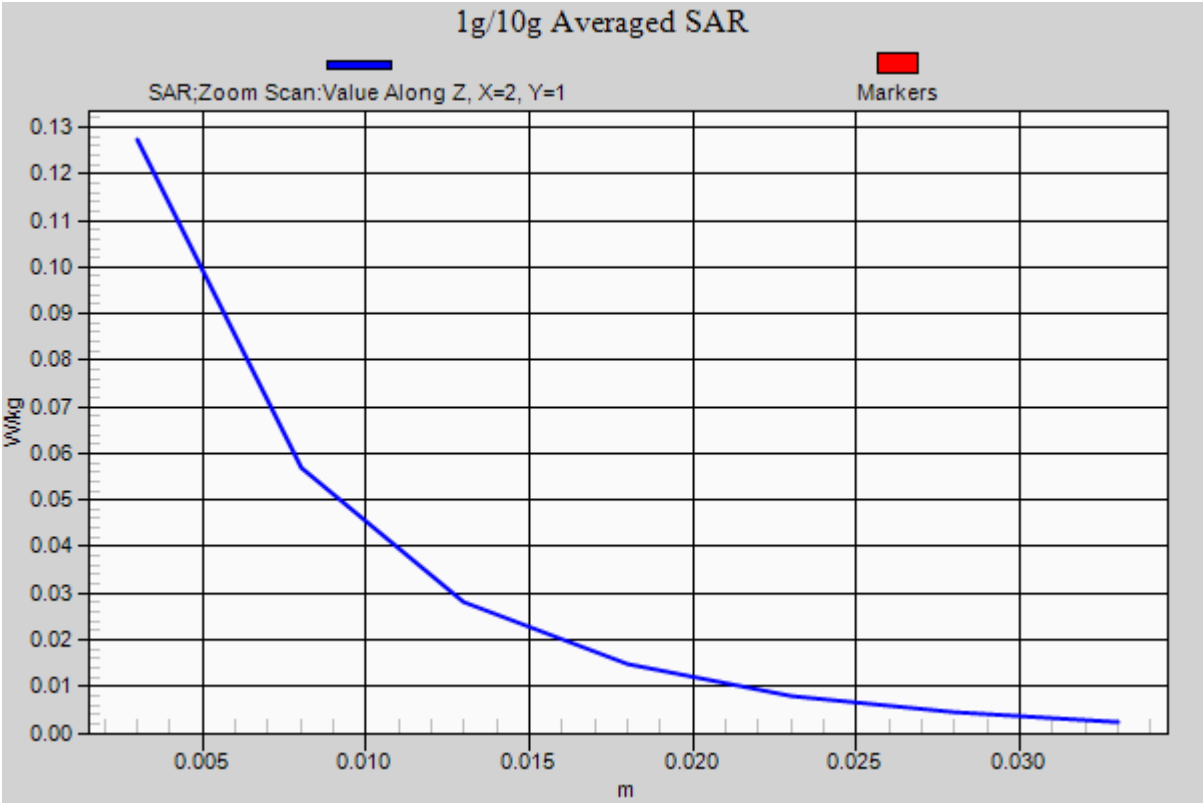
Communication System: S9-900TX (0); Frequency: 915.25 MHz; Duty Cycle: 1:2.057
Medium parameters used: f = 915.25 MHz; σ = 0.994 S/m; ε_r = 42.87; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(8.93, 8.93, 8.93); Calibrated: 5/27/2015; Electronics: DAE4 Sn1394
Phantom: SAM-twin middle(20deg probe tilt)_2013_09_24; Type: QD000P40CD; Serial: 1782
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2015-11-02; Ambient Temp: 20.2; Tissue Temp: 20.5

1cm space from Body, Front, 900MHz FHSS Ch.F2 , Ant Internal

Area Scan (71x101x1): Interpolated grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.238 W/kg
SAR(1 g) = 0.101 W/kg; SAR(10 g) = 0.048 W/kg



DT&C Co., Ltd.

DUT: S9-900TX; Type: MicroPhone

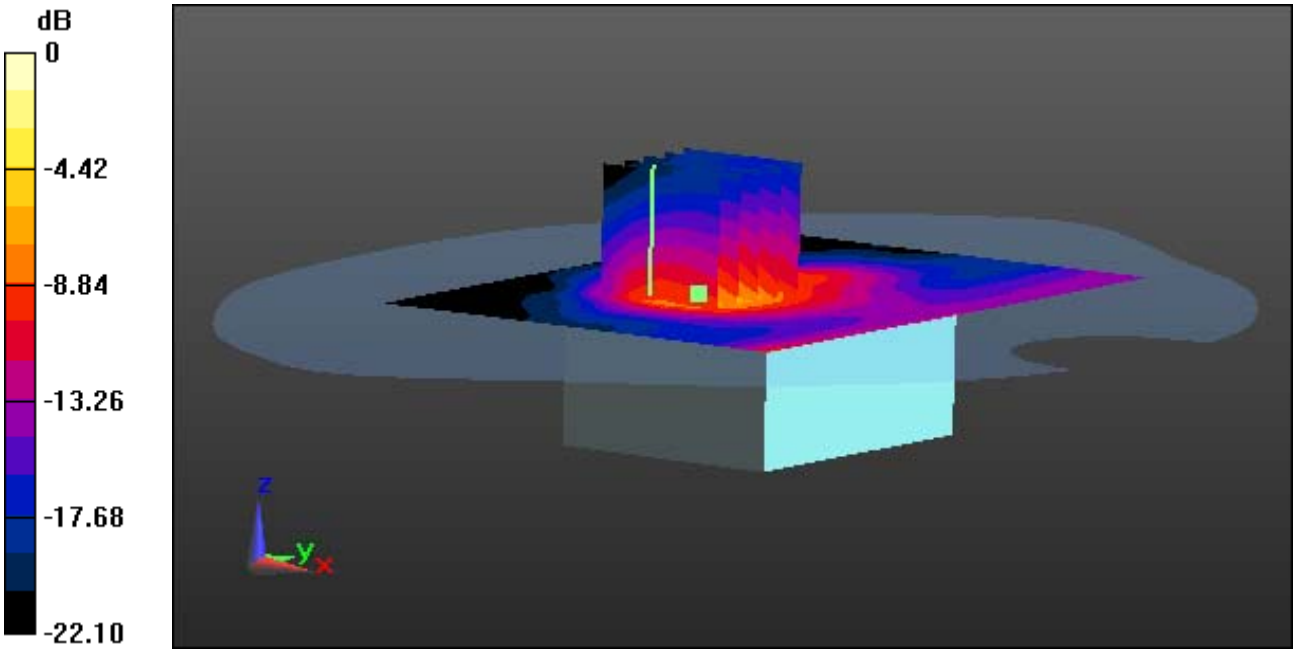
Communication System: S9-900TX (0); Frequency: 902.75 MHz; Duty Cycle: 1:2.057
Medium parameters used: f = 902.75 MHz; σ = 1.072 S/m; ε_r = 53.292; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(9.12, 9.12, 9.12); Calibrated: 5/27/2015; Electronics: DAE4 Sn1394
Phantom: SAM-twin middle(20deg probe tilt)_2013_09_24; Type: QD000P40CD; Serial: 1782
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2015-11-03; Ambient Temp: 20.4; Tissue Temp: 20.8

Touch from Body, Front, 900MHz FHSS Ch.F1 , Ant Internal

Area Scan (71x101x1): Interpolated grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = 0.02 dB
Peak SAR (extrapolated) = 3.51 W/kg
SAR(1 g) = 0.768 W/kg; SAR(10 g) = 0.250 W/kg



0 dB = 1.12 W/kg

DT&C Co., Ltd.

DUT: S9-900TX; Type: MicroPhone

Communication System: S9-900TX (0); Frequency: 902.75 MHz; Duty Cycle: 1:2.057
Medium parameters used: f = 902.75 MHz; σ = 1.072 S/m; ε_r = 53.292; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(9.12, 9.12, 9.12); Calibrated: 5/27/2015; Electronics: DAE4 Sn1394
Phantom: SAM-twin middle(20deg probe tilt)_2013_09_24; Type: QD000P40CD; Serial: 1782
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2015-11-03; Ambient Temp: 20.4; Tissue Temp: 20.8

Touch from Body, Front, 900MHz FHSS Ch.F1 , Ant Internal

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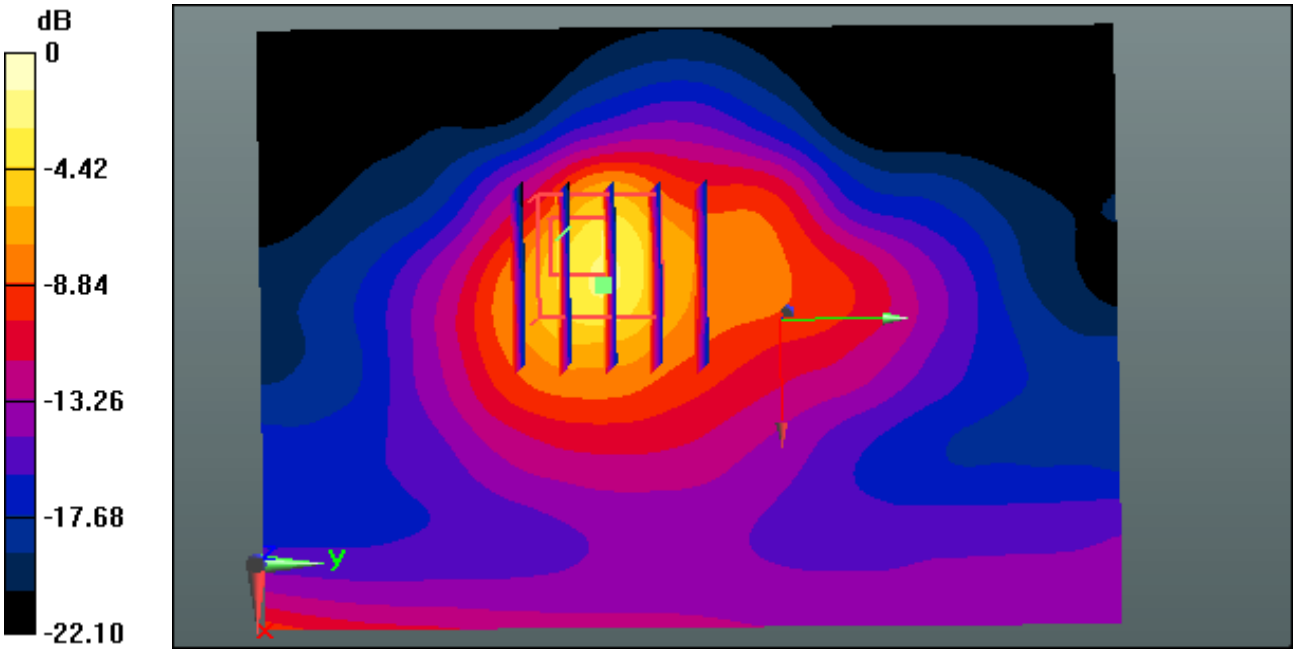
Area Scan (71x101x1): Interpolated grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = 0.02 dB
Peak SAR (extrapolated) = 3.51 W/kg
SAR(1 g) = 0.768 W/kg; SAR(10 g) = 0.250 W/kg



0 dB = 1.12 W/kg

DT&C Co., Ltd.

DUT: S9-900TX; Type: MicroPhone

Communication System: S9-900TX (0); Frequency: 902.75 MHz; Duty Cycle: 1:2.057
Medium parameters used: f = 902.75 MHz; σ = 1.072 S/m; ε_r = 53.292; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(9.12, 9.12, 9.12); Calibrated: 5/27/2015; Electronics: DAE4 Sn1394
Phantom: SAM-twin middle(20deg probe tilt)_2013_09_24; Type: QD000P40CD; Serial: 1782
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2015-11-03; Ambient Temp: 20.4; Tissue Temp: 20.8

Touch from Body, Front, 900MHz FHSS Ch.F1 , Ant Internal

Area Scan (71x101x1): Interpolated grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = 0.02 dB
Peak SAR (extrapolated) = 3.51 W/kg
SAR(1 g) = 0.768 W/kg; SAR(10 g) = 0.250 W/kg