SAR Plots

- Verification Plots
- SAR Test Plots

DT&C Co., Ltd.

DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:726

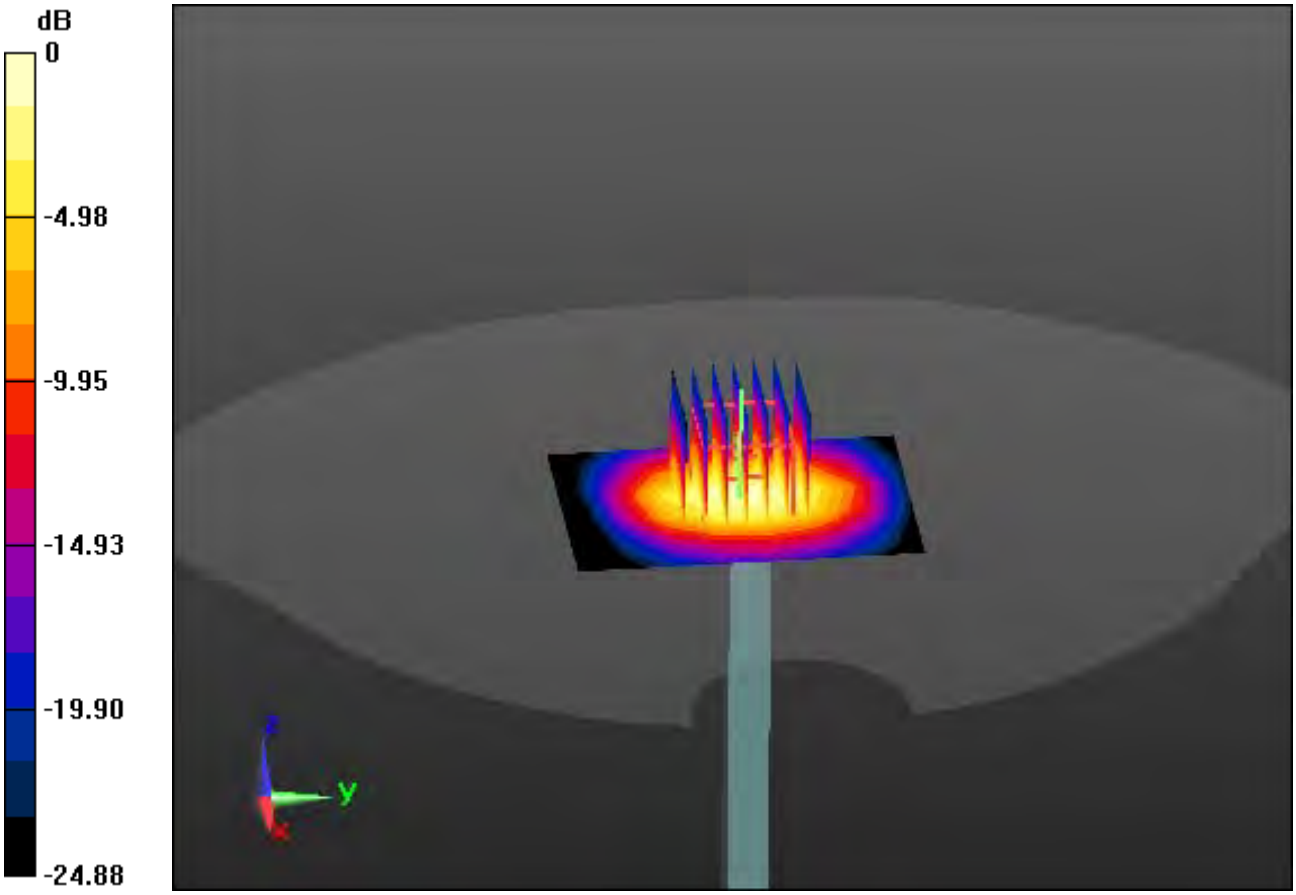
Communication System: UID 0, CW (0); Frequency: 2450 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2450 MHz; σ = 1.938 S/m; ε_r = 51.203; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3916; ConvF(7.75, 7.75, 7.75); Calibrated: 2017-04-28; Electronics: DAE4 Sn1391
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: Twin-SAM V5.0 ; Type: QD 000 P40 CD; Serial: 1679
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-02-19; Ambient Temp: 21.2; Tissue Temp: 21.8

2450 MHz System Body Verification

Area Scan (6x8x1): Measurement grid: dx=12mm, dy=12mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = 0.12 dB
Peak SAR (extrapolated) = 12.6 W/kg
SAR(1 g) = 5.21 W/kg; SAR(10 g) = 2.52 W/kg



0 dB = 8.96 W/kg

DT&C Co., Ltd.

DUT: Dipole 5000 MHz; Type: D5GHzV2; Serial: D5GHzV2 - SN:1103

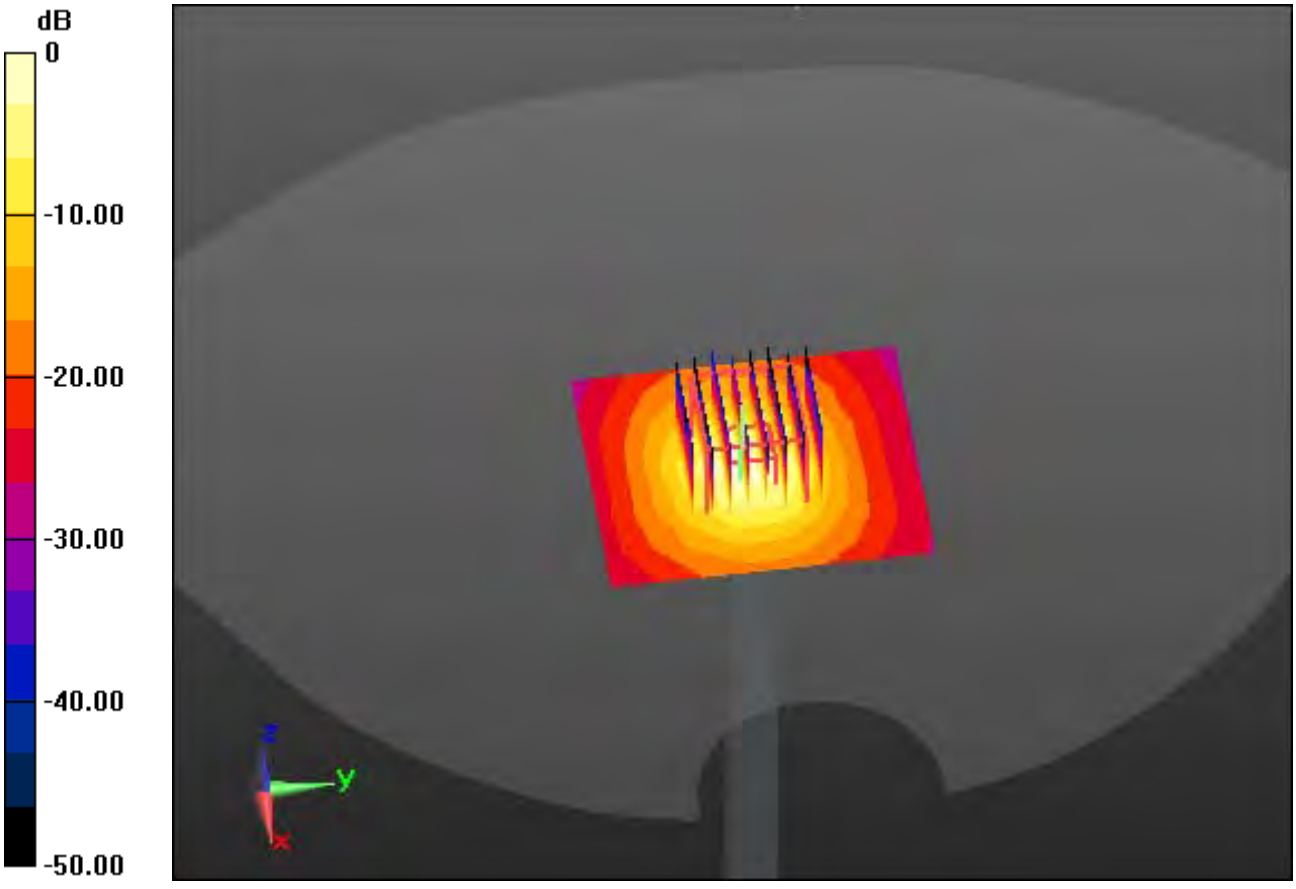
Communication System: UID 0, CW (0); Frequency: 5200 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5200 MHz; σ = 5.502 S/m; ε_r = 50.501; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3916; ConvF(4.84, 4.84, 4.84); Calibrated: 2017-04-28; Electronics: DAE4 Sn1391
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: Twin-SAM V5.0 ; Type: QD 000 P40 CD; Serial: 1679
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-03-05; Ambient Temp: 21.2; Tissue Temp: 21.7

5200 MHz System Body Verification

Area Scan (7x8x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4
Power Drift = -0.13 dB
Peak SAR (extrapolated) = 31.1 W/kg
SAR(1 g) = 7.26 W/kg; SAR(10 g) = 2.05 W/kg



0 dB = 17.3 W/kg

DT&C Co., Ltd.

DUT: Dipole 5000 MHz; Type: D5GHzV2; Serial: D5GHzV2 - SN:1103

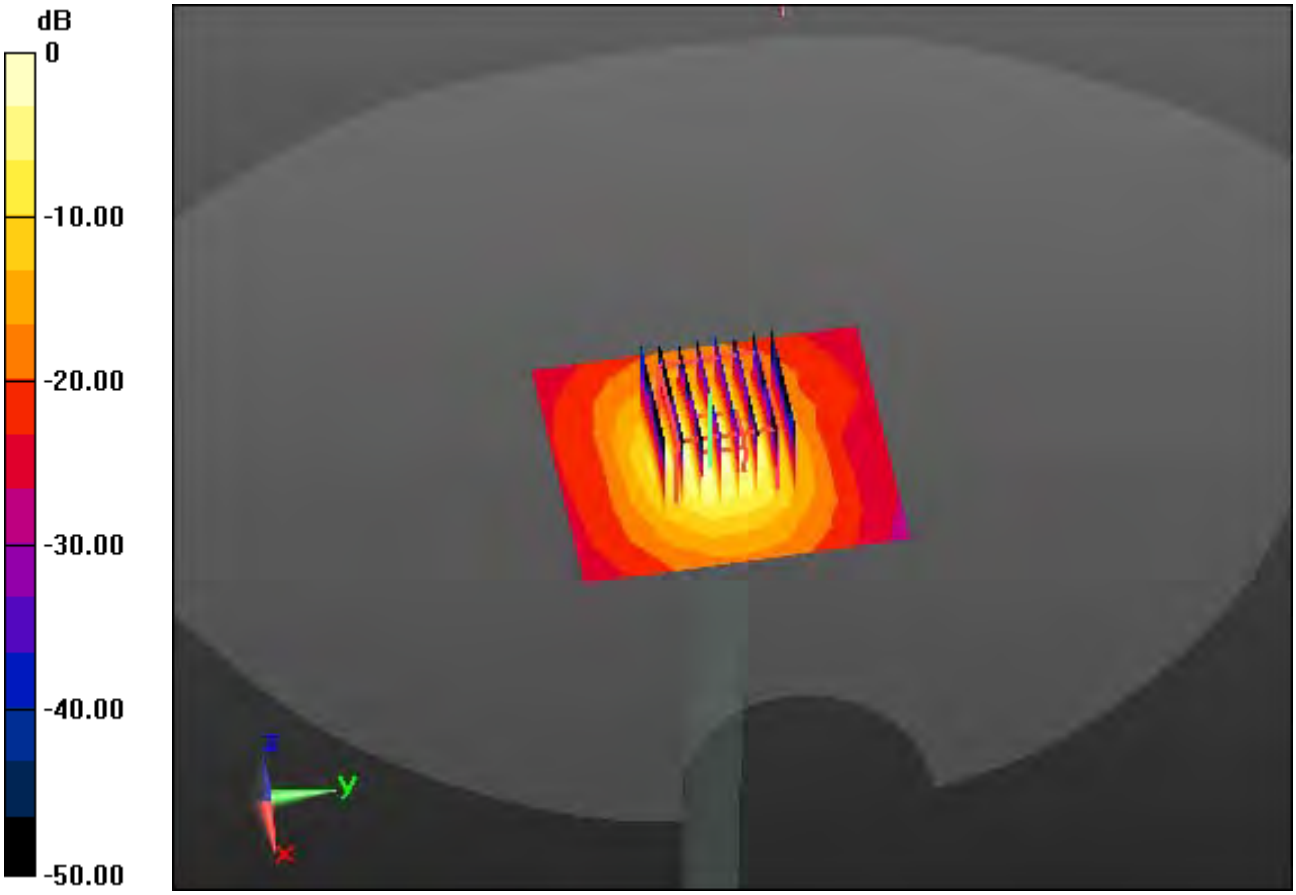
Communication System: UID 0, CW (0); Frequency: 5300 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5300 MHz; σ = 5.612 S/m; ε_r = 48.632; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3916; ConvF(4.65, 4.65, 4.65); Calibrated: 2017-04-28; Electronics: DAE4 Sn1391
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: Twin-SAM V5.0 ; Type: QD 000 P40 CD; Serial: 1679
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-02-20; Ambient Temp: 22.2; Tissue Temp: 22.6

5300 MHz System Body Verification

Area Scan (7x8x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4
Drift = -0.08 dB
Peak SAR (extrapolated) = 31.8 W/kg
SAR(1 g) = 7.23 W/kg; SAR(10 g) = 2.01 W/kg



0 dB = 17.3 W/kg

DT&C Co., Ltd.

DUT: Dipole 5000 MHz; Type: D5GHzV2; Serial: D5GHzV2 - SN:1103

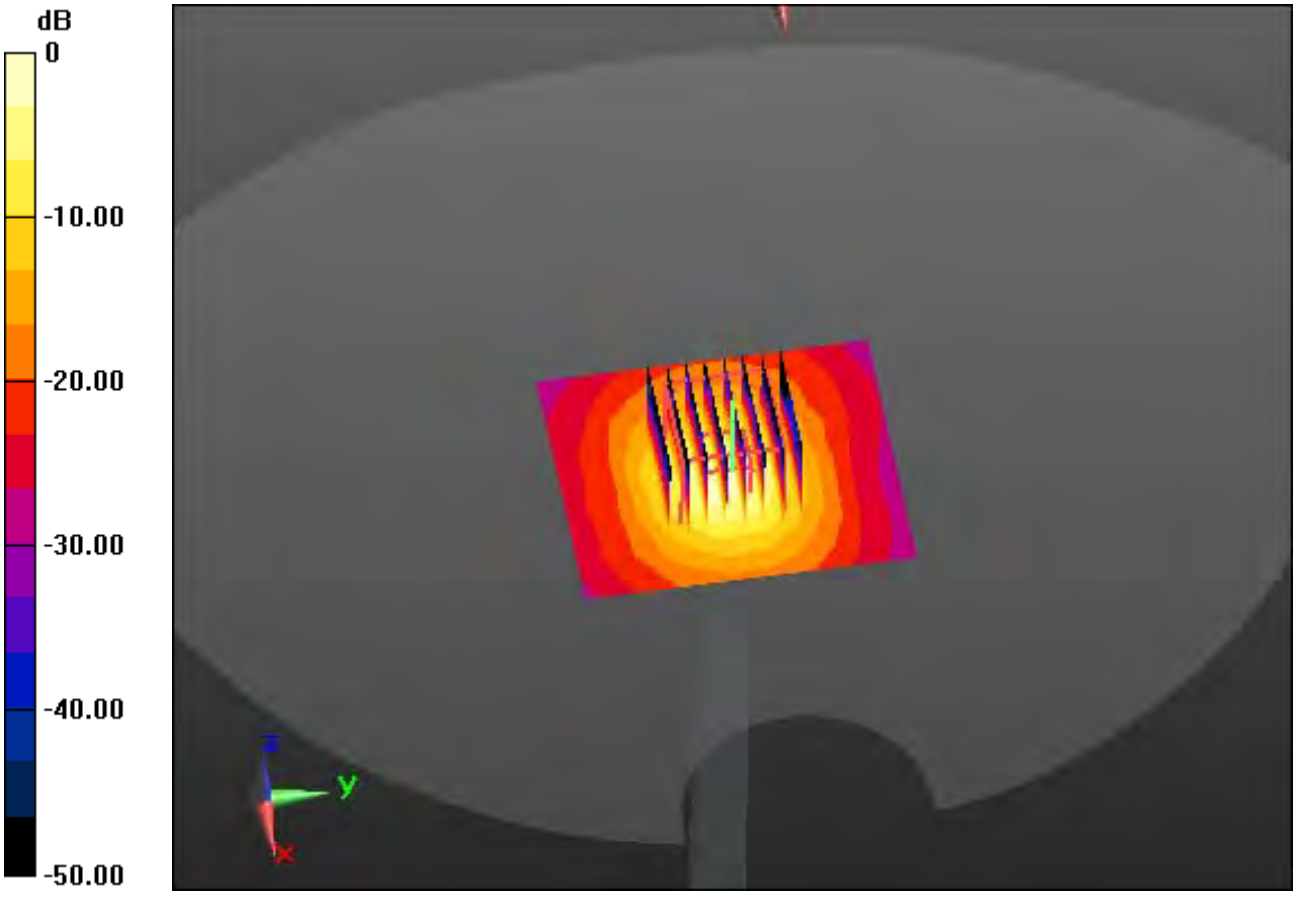
Communication System: UID 0, CW (0); Frequency: 5600 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5600 MHz; σ = 5.982 S/m; ε_r = 49.642; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3916; ConvF(4.09, 4.09, 4.09); Calibrated: 2017-04-28; Electronics: DAE4 Sn1391
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: Twin-SAM V5.0 ; Type: QD 000 P40 CD; Serial: 1679
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-02-21; Ambient Temp: 21.8; Tissue Temp: 22.4

5600 MHz System Body Verification

Area Scan (7x8x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4
Power Drift = -0.19 dB
Peak SAR (extrapolated) = 35.7 W/kg
SAR(1 g) = 7.72 W/kg; SAR(10 g) = 2.12 W/kg



0 dB = 19.1 W/kg

DT&C Co., Ltd.

DUT: Dipole 5000 MHz; Type: D5GHzV2; Serial: D5GHzV2 - SN:1103

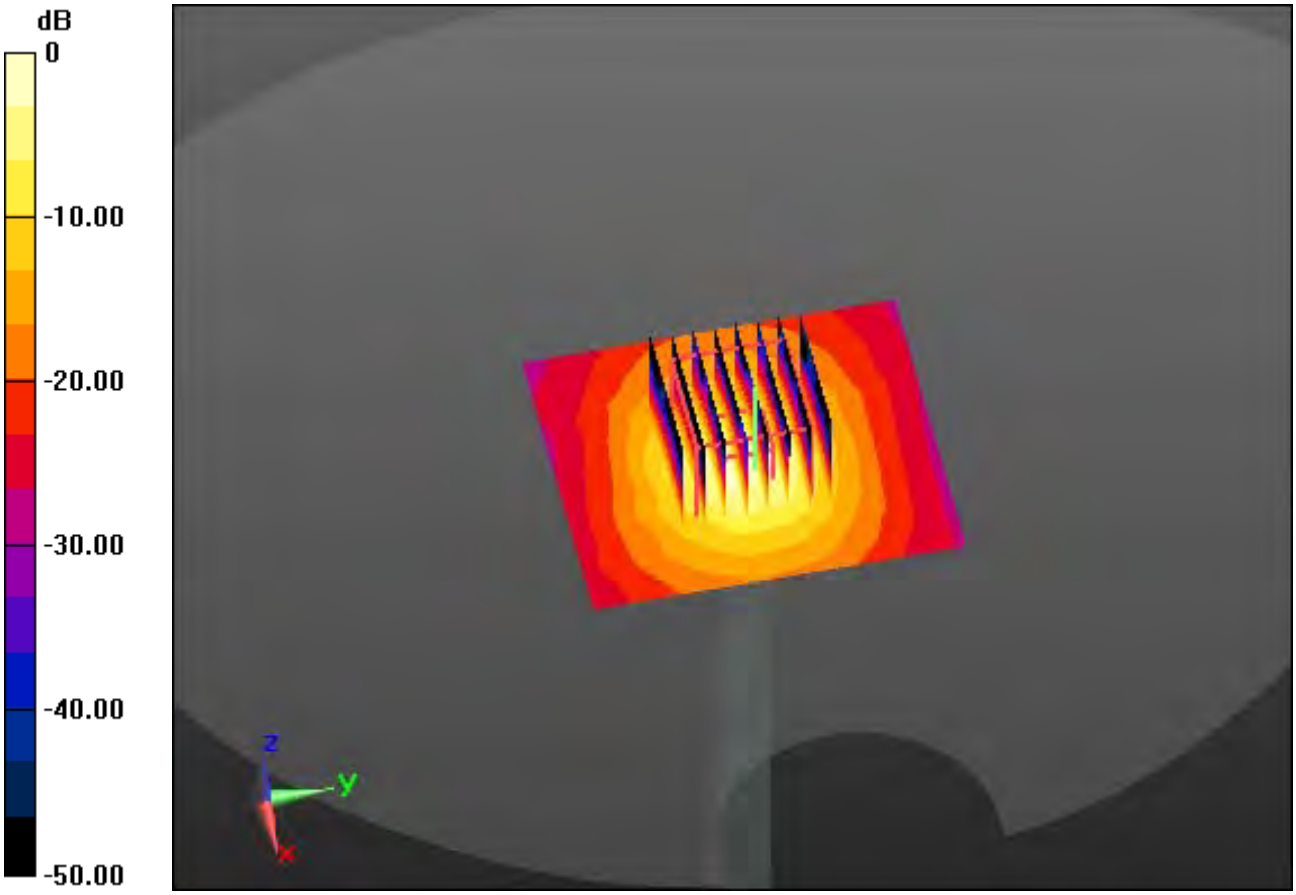
Communication System: UID 0, CW (0); Frequency: 5800 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5800 MHz; σ = 6.225 S/m; ε_r = 48.843; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3916; ConvF(4.22, 4.22, 4.22); Calibrated: 2017-04-28; Electronics: DAE4 Sn1391
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: Twin-SAM V5.0 ; Type: QD 000 P40 CD; Serial: 1679
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-02-22; Ambient Temp: 22.2; Tissue Temp: 22.5

5800 MHz System Body Verification

Area Scan (7x8x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4
Power Drift = -0.17 dB
Peak SAR (extrapolated) = 38.9 W/kg
SAR(1 g) = 7.91 W/kg; SAR(10 g) = 2.15 W/kg



0 dB = 19.3 W/kg

DT&C Co., Ltd.

DUT: PM550; Type: PDA

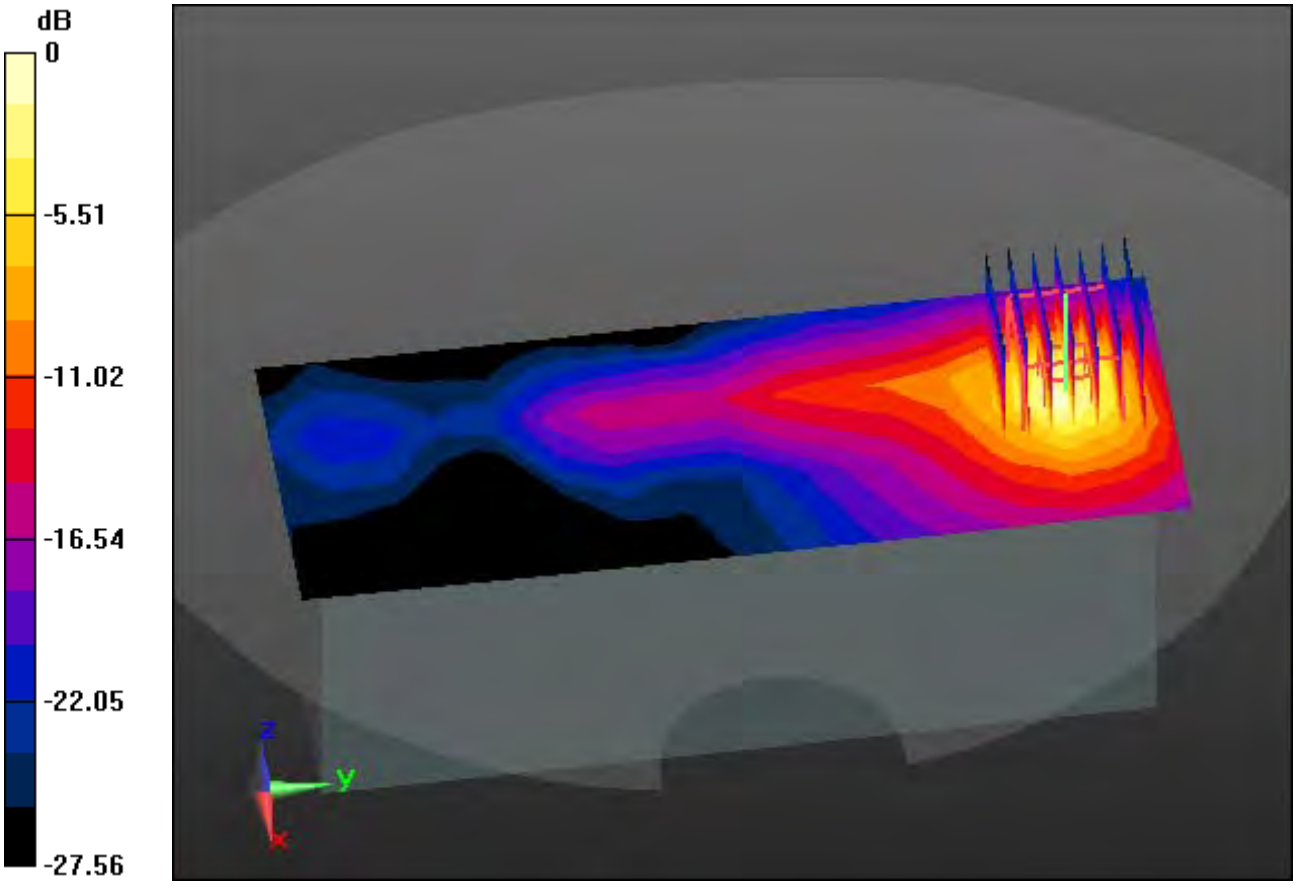
Communication System: UID 0, W-LAN (0); Frequency: 2462 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2462 MHz; σ = 1.949 S/m; ε_r = 51.186; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3916; ConvF(7.75, 7.75, 7.75); Calibrated: 2017-04-28; Electronics: DAE4 Sn1391
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: Twin-SAM V5.0 ; Type: QD 000 P40 CD; Serial: 1679
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-02-19; Ambient Temp: 21.2; Tissue Temp: 21.8

Touch from Body, Right, W-LAN(802.11b) Ch. 11, Ant Internal

Area Scan (7x17x1): Measurement grid: dx=12mm, dy=12mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = 0.19 dB
Peak SAR (extrapolated) = 1.48 W/kg
SAR(1 g) = 0.565 W/kg; SAR(10 g) = 0.215 W/kg



0 dB = 0.983 W/kg

DT&C Co., Ltd.

DUT: PM550; Type: PDA

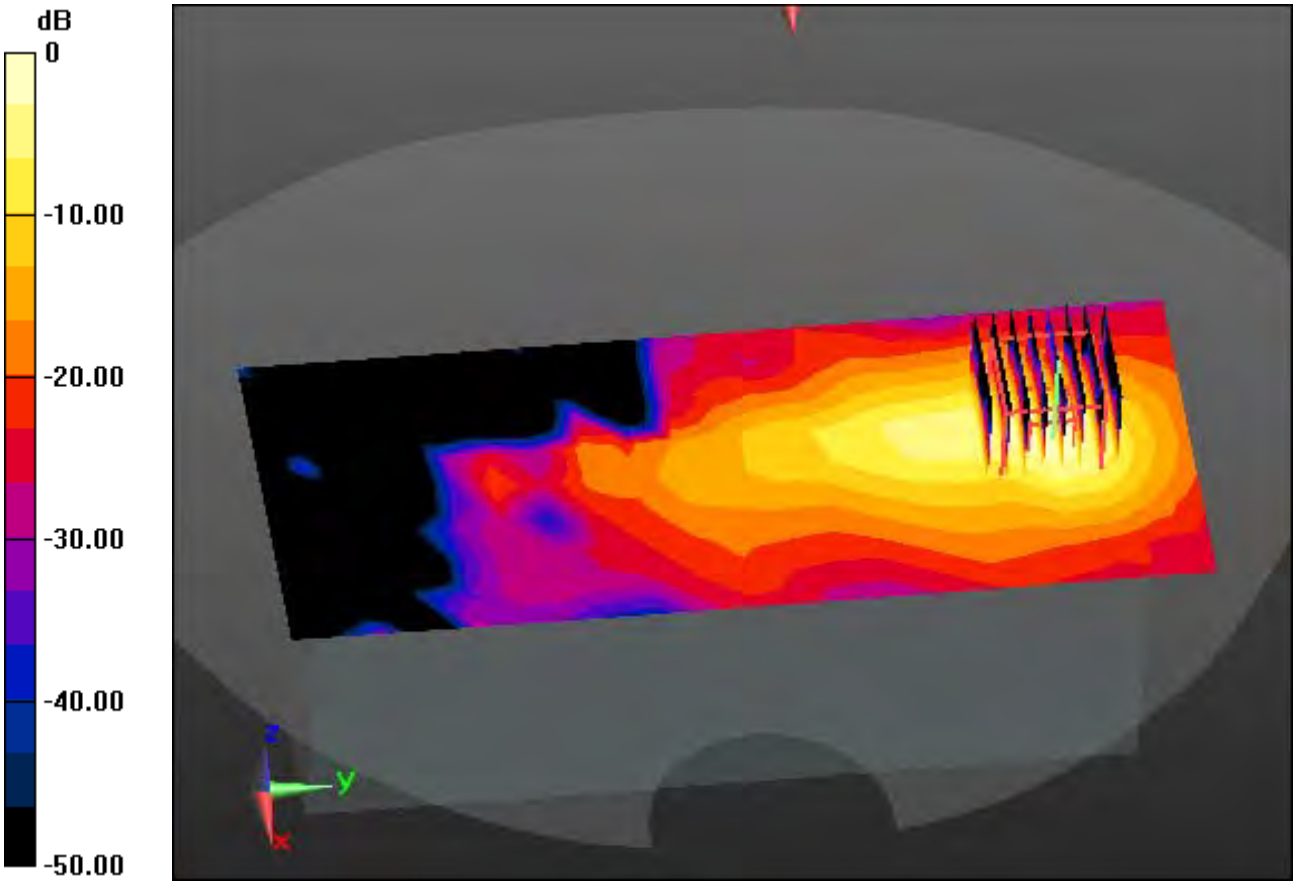
Communication System: UID 0, W-LAN_5200 (0); Frequency: 5240 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5240 MHz; σ = 5.556 S/m; ε_r = 50.468; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3916; ConvF(4.84, 4.84, 4.84); Calibrated: 2017-04-28; Electronics: DAE4 Sn1391
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: Twin-SAM V5.0 ; Type: QD 000 P40 CD; Serial: 1679
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-03-05; Ambient Temp: 21.2; Tissue Temp: 21.7

Touch from Body, Right, W-LAN(802.11a) Ch. 48, Ant Internal

Area Scan (9x21x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4
Power Drift = 0.17 dB
Peak SAR (extrapolated) = 5.80 W/kg
SAR(1 g) = 1.21 W/kg; SAR(10 g) = 0.368 W/kg



0 dB = 3.02 W/kg

DT&C Co., Ltd.

DUT: PM550; Type: PDA

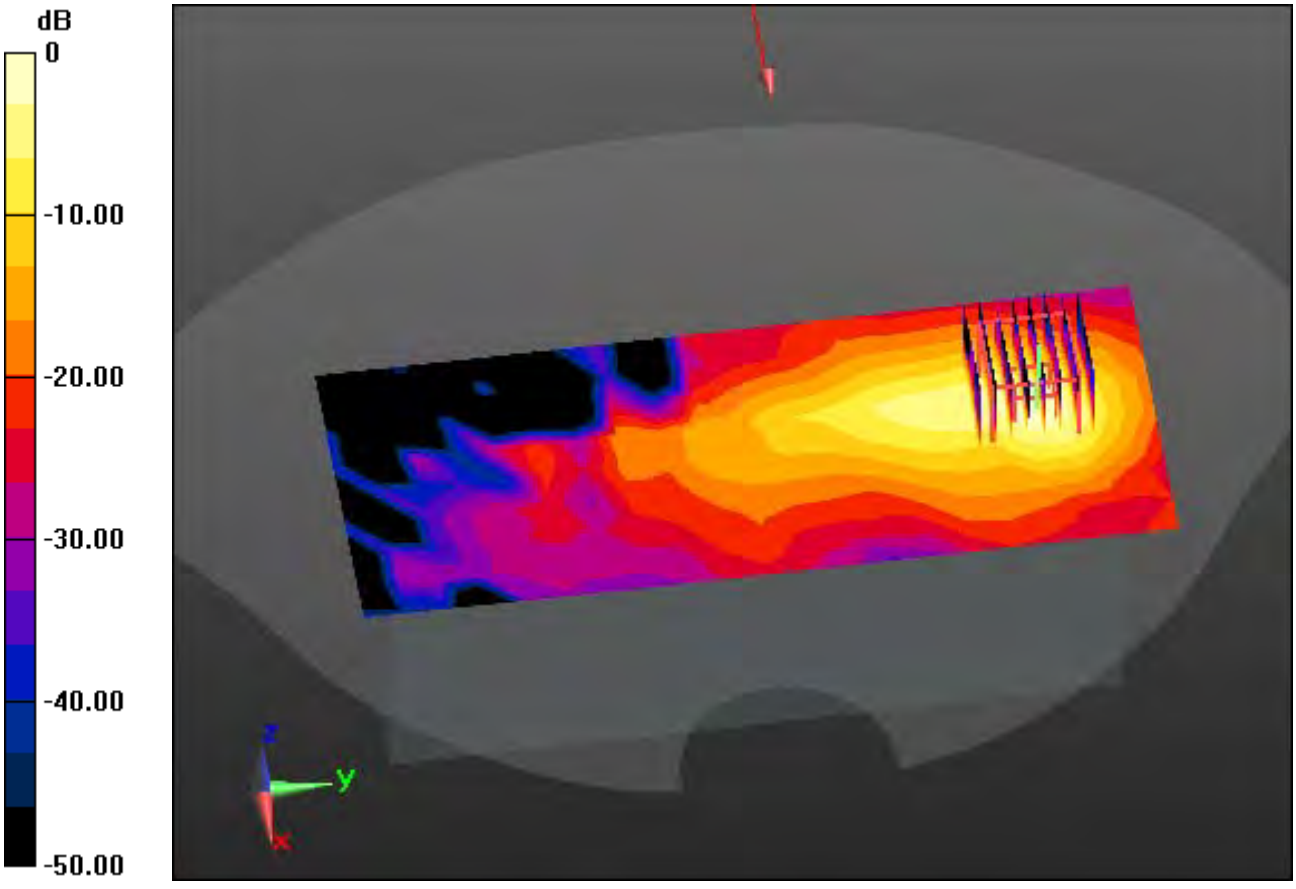
Communication System: UID 0, W-LAN_5300 (0); Frequency: 5320 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5320 MHz; σ = 5.643 S/m; ε_r = 48.571; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3916; ConvF(4.65, 4.65, 4.65); Calibrated: 2017-04-28; Electronics: DAE4 Sn1391
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: Twin-SAM V5.0 ; Type: QD 000 P40 CD; Serial: 1679
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-02-20; Ambient Temp: 22.2; Tissue Temp: 22.6

Touch from Body, Right, W-LAN(802.11a) Ch. 64, Ant Internal

Area Scan (9x21x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4
Power Drift = -0.00 dB
Peak SAR (extrapolated) = 6.60 W/kg
SAR(1 g) = 1.23 W/kg; SAR(10 g) = 0.371 W/kg



0 dB = 3.08 W/kg

DT&C Co., Ltd.

DUT: PM550; Type: PDA

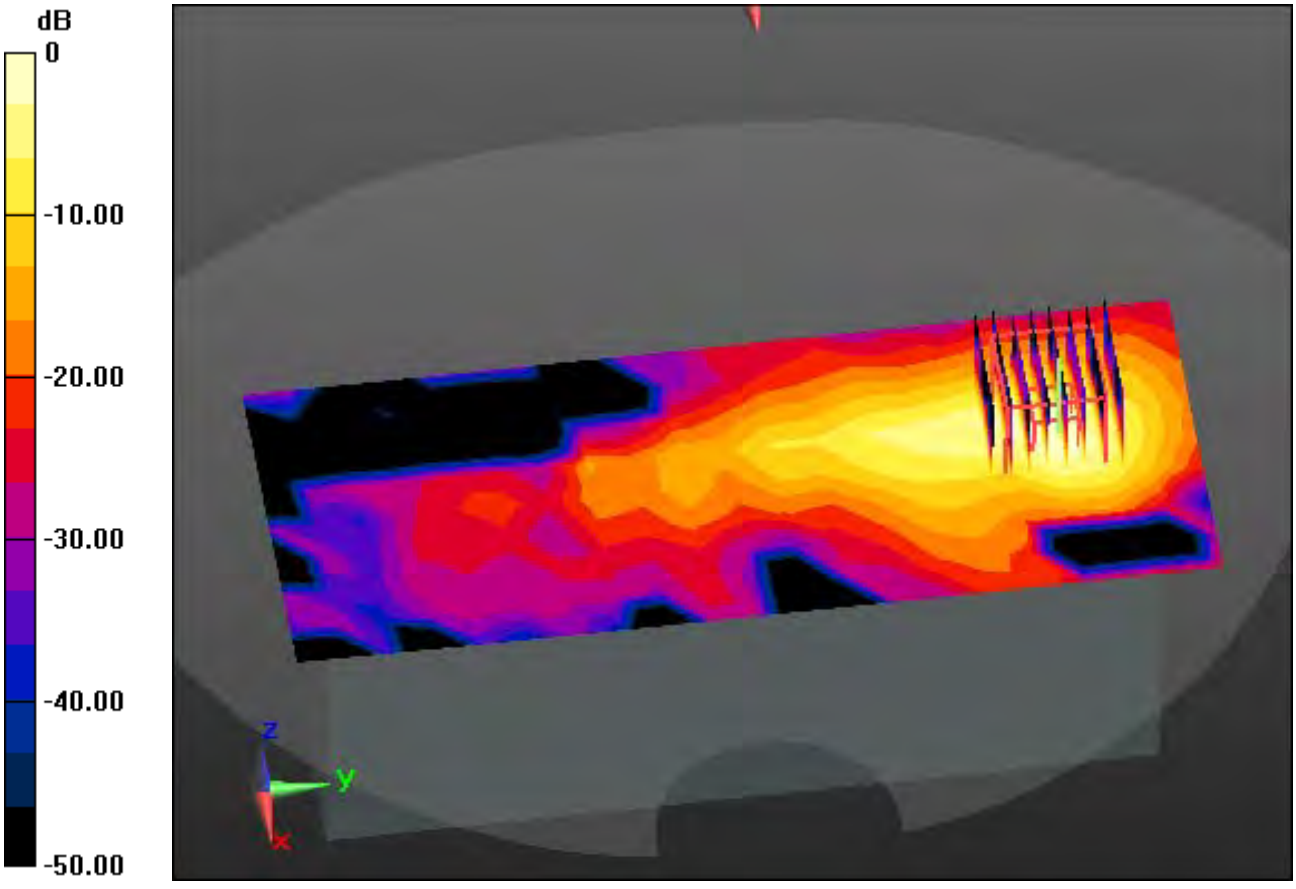
Communication System: UID 0, W-LAN_5500 (0); Frequency: 5580 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5580 MHz; σ = 5.952 S/m; ε_r = 49.644; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3916; ConvF(4.09, 4.09, 4.09); Calibrated: 2017-04-28; Electronics: DAE4 Sn1391
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: Twin-SAM V5.0 ; Type: QD 000 P40 CD; Serial: 1679
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-02-21; Ambient Temp: 21.8; Tissue Temp: 22.4

Touch from Body, Right, W-LAN(802.11a) Ch. 116, Ant Internal

Area Scan (9x21x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4
Power Drift = 0.09 dB
Peak SAR (extrapolated) = 6.74 W/kg
SAR(1 g) = 1.21 W/kg; SAR(10 g) = 0.366 W/kg



0 dB = 3.07 W/kg

DT&C Co., Ltd.

DUT: PM550; Type: PDA

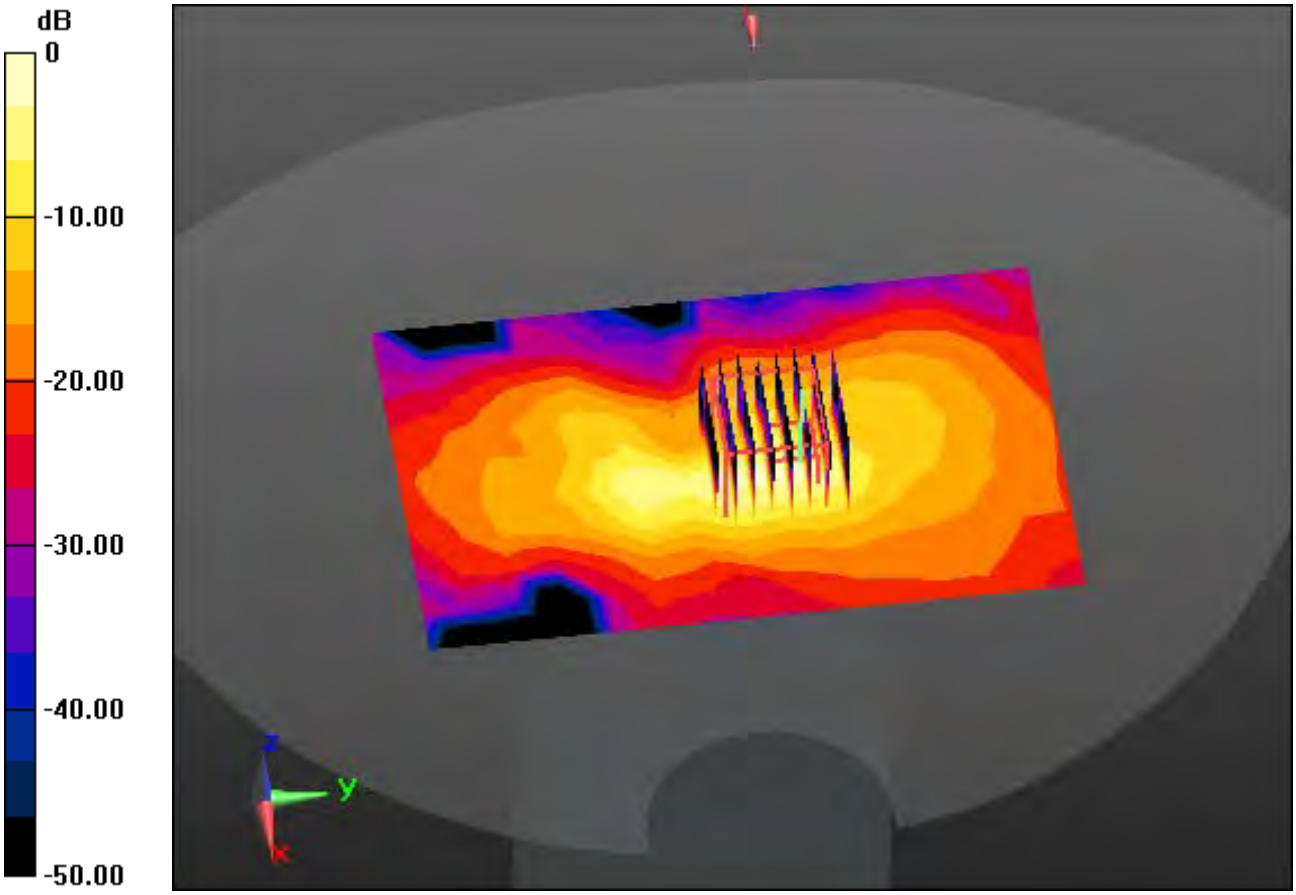
Communication System: UID 0, W-LAN_5800 (0); Frequency: 5825 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5825 MHz; σ = 6.27 S/m; ε_r = 48.826; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3916; ConvF(4.22, 4.22, 4.22); Calibrated: 2017-04-28; Electronics: DAE4 Sn1391
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: Twin-SAM V5.0 ; Type: QD 000 P40 CD; Serial: 1679
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-02-22; Ambient Temp: 22.2; Tissue Temp: 22.5

Touch from Body, Top, W-LAN(802.11a) Ch. 165, Ant Internal

Area Scan (10x15x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4
Power Drift = -0.11 dB
Peak SAR (extrapolated) = 4.52 W/kg
SAR(1 g) = 0.778 W/kg; SAR(10 g) = 0.212 W/kg



0 dB = 2.13 W/kg

DT&C Co., Ltd.

DUT: PM550; Type: PDA

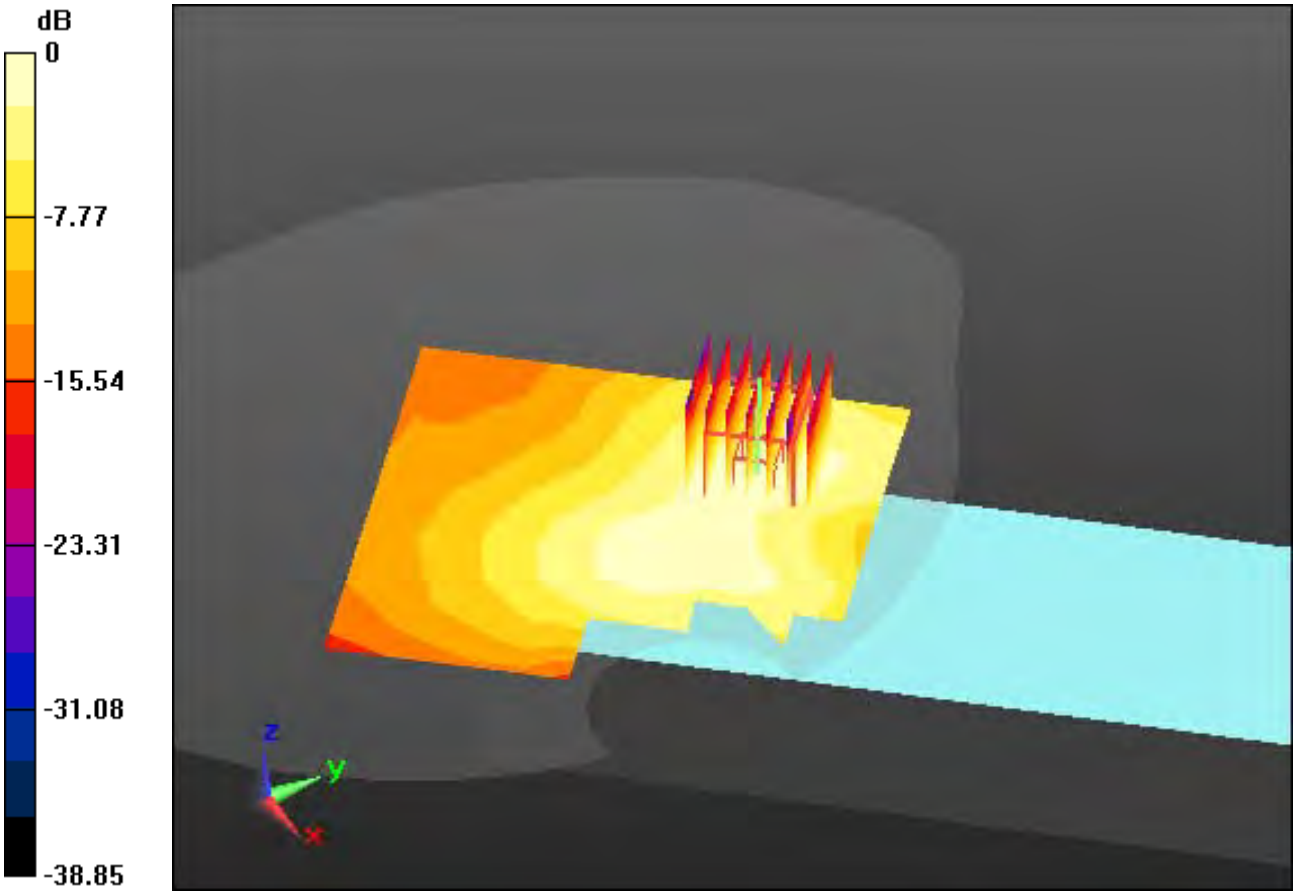
Communication System: UID 0, W-LAN (0); Frequency: 2437 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2437 MHz; σ = 1.924 S/m; ε_r = 51.229; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3916; ConvF(7.75, 7.75, 7.75); Calibrated: 2017-04-28; Electronics: DAE4 Sn1391
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: Twin-SAM V5.0 ; Type: QD 000 P40 CD; Serial: 1679
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-02-19; Ambient Temp: 21.2; Tissue Temp: 21.8

Touch from Body, Rear, W-LAN(802.11b) Ch. 6, Ant Internal

Area Scan (11x11x1): Measurement grid: dx=12mm, dy=12mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = -0.06 dB
Peak SAR (extrapolated) = 0.131 W/kg
SAR(1 g) = 0.063 W/kg; SAR(10 g) = 0.032 W/kg



0 dB = 0.0934 W/kg

DUT: PM550; Type: PDA

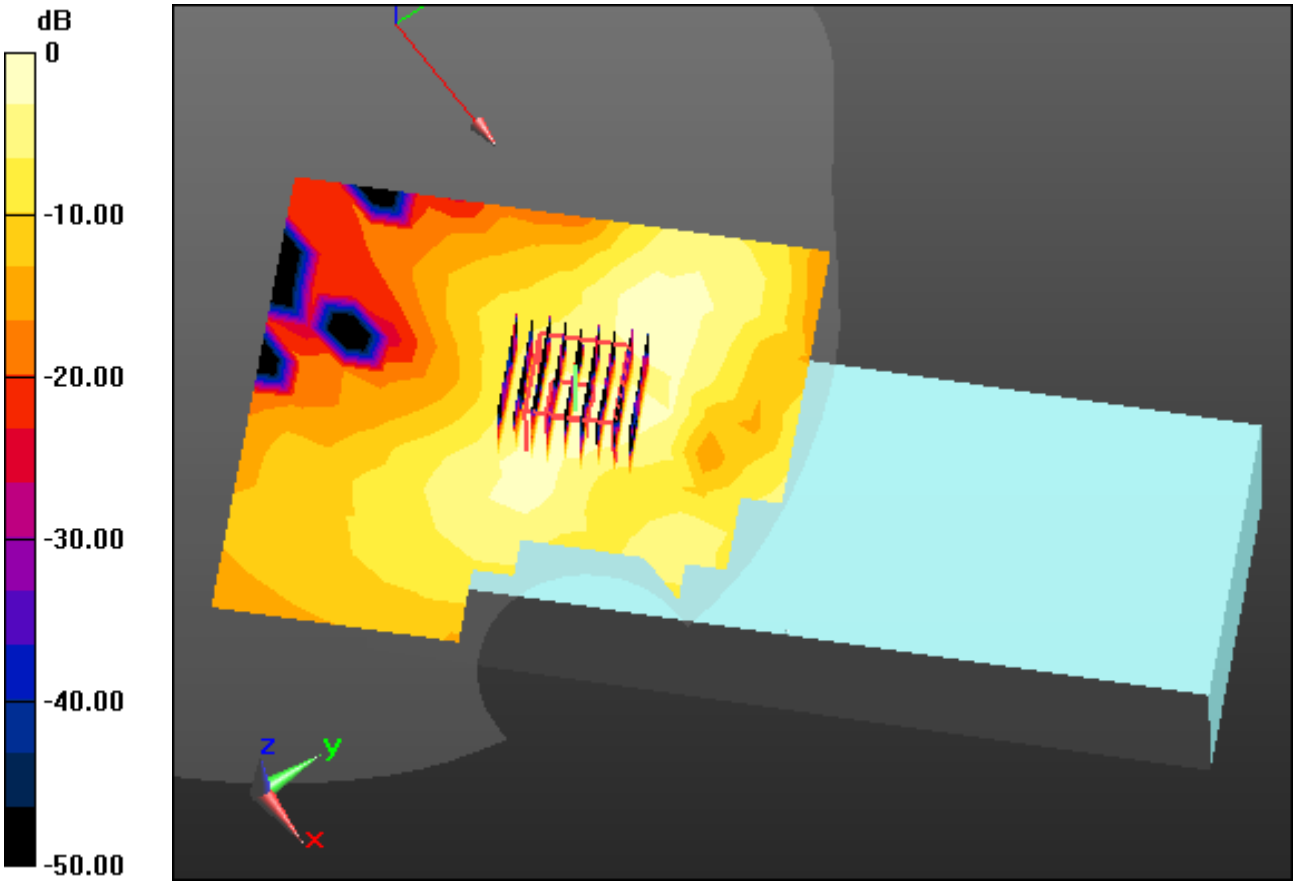
Communication System: UID 0, W-LAN_5300 (0); Frequency: 5320 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5320 MHz; σ = 5.643 S/m; ε_r = 48.571; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3916; ConvF(4.65, 4.65, 4.65); Calibrated: 2017-04-28; Electronics: DAE4 Sn1391
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: Twin-SAM V5.0 ; Type: QD 000 P40 CD; Serial: 1679
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-02-20; Ambient Temp: 22.2; Tissue Temp: 22.6

Touch from Body, Rear, W-LAN(802.11a) Ch. 64, Ant Internal

Area Scan (13x14x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (8x9x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4
Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.597 W/kg
SAR(1 g) = 0.144 W/kg; SAR(10 g) = 0.051 W/kg



0 dB = 0.340 W/kg

DT&C Co., Ltd.

DUT: PM550; Type: PDA

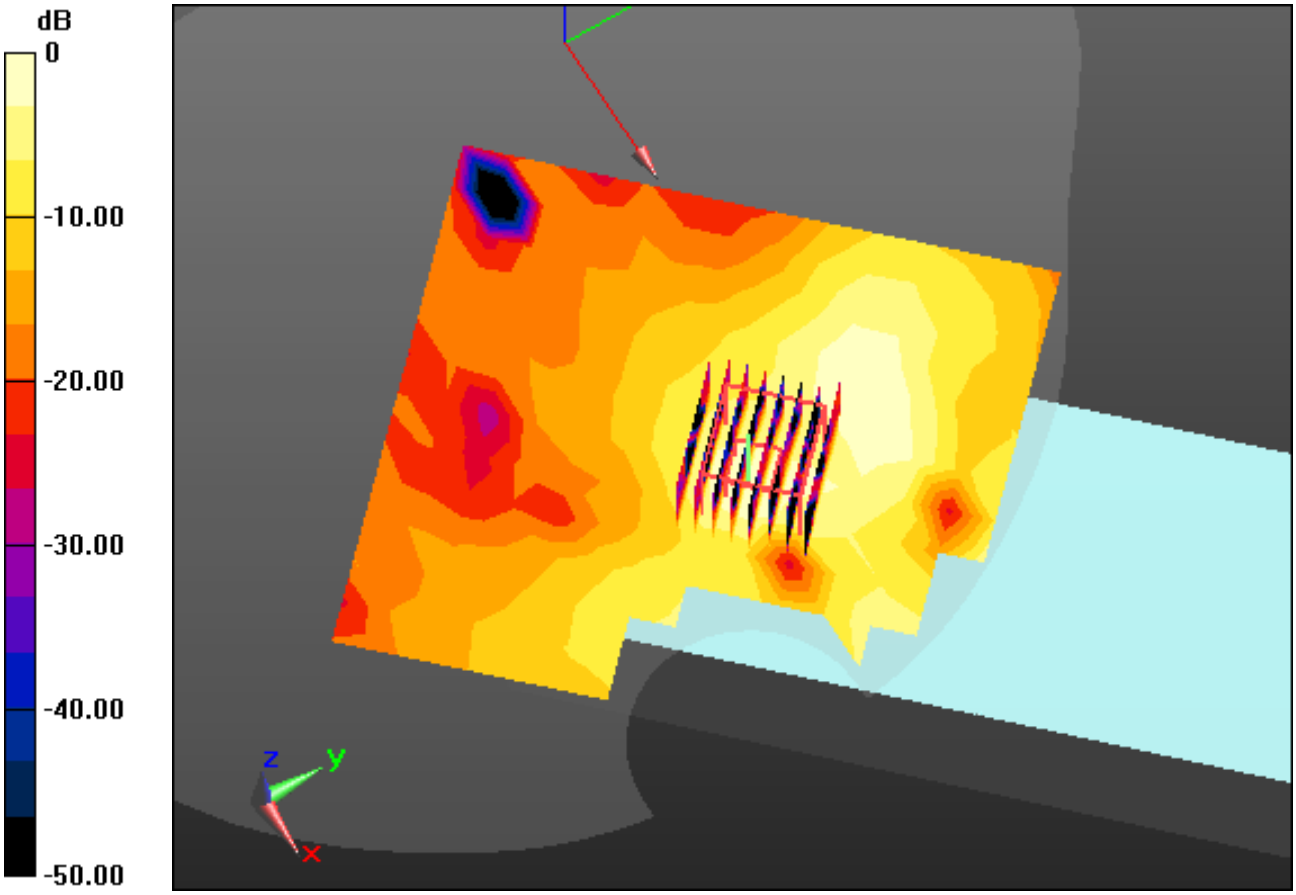
Communication System: UID 0, W-LAN_5600 (0); Frequency: 5660 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5660 MHz; σ = 6.047 S/m; ε_r = 49.517; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3916; ConvF(4.09, 4.09, 4.09); Calibrated: 2017-04-28; Electronics: DAE4 Sn1391
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: Twin-SAM V5.0 ; Type: QD 000 P40 CD; Serial: 1679
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-02-21; Ambient Temp: 21.8; Tissue Temp: 22.4

Touch from Body, Rear, W-LAN(802.11a) Ch. 132, Ant Internal

Area Scan (13x14x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (9x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4
Power Drift = -0.07 dB
Peak SAR (extrapolated) = 1.02 W/kg
SAR(1 g) = 0.225 W/kg; SAR(10 g) = 0.073 W/kg



0 dB = 0.555 W/kg

DUT: PM550; Type: PDA

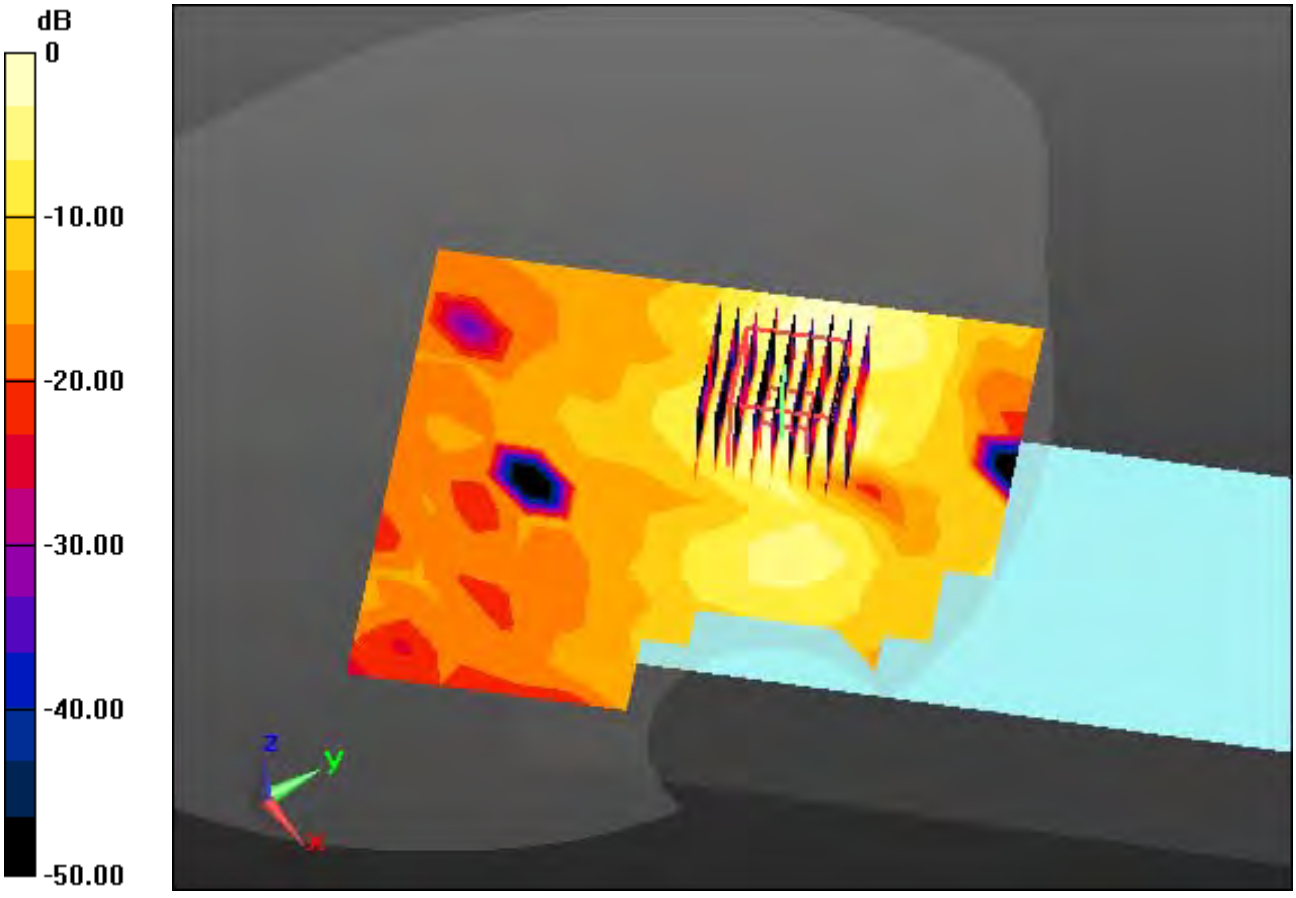
Communication System: UID 0, W-LAN_5800 (0); Frequency: 5825 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5825 MHz; σ = 6.27 S/m; ε_r = 48.826; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3916; ConvF(4.22, 4.22, 4.22); Calibrated: 2017-04-28; Electronics: DAE4 Sn1391
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: Twin-SAM V5.0 ; Type: QD 000 P40 CD; Serial: 1679
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-02-22; Ambient Temp: 22.2; Tissue Temp: 22.5

Touch from Body, Rear, W-LAN(802.11a) Ch. 165, Ant Internal

Area Scan (13x14x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (9x9x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4
Power Drift = -0.10 dB
Peak SAR (extrapolated) = 0.501 W/kg
SAR(1 g) = 0.109 W/kg; SAR(10 g) = 0.035 W/kg



0 dB = 0.289 W/kg