

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; Frequency: 2450 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2450$ MHz; $\sigma = 1.908$ S/m; $\epsilon_r = 52.41$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(7.56, 7.56, 7.56); Calibrated: 5/31/2017; Electronics: DAE4 Sn1453
Sensor-Surface: 2 mm (Mechanical Surface Detection)
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: 2018-04-23; Ambient Temp: 20.8; Tissue Temp: 21.4

2450 MHz System Verification

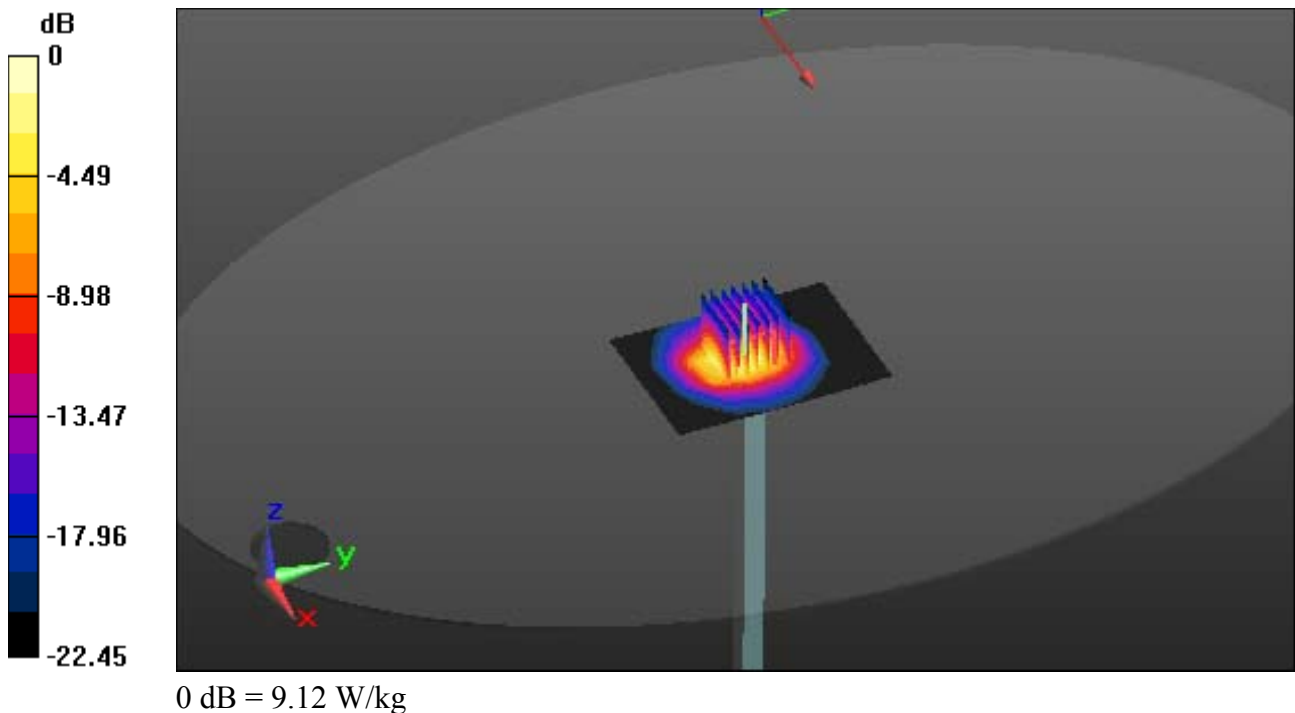
Area Scan (6x8x1): Measurement grid: dx=12mm, dy=12mm

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

Power Drift = -0.04 dB

Peak SAR (extrapolated) = 10.1 W/kg

SAR(1 g) = 4.98 W/kg; SAR(10 g) = 2.31 W/kg



DT&C Co., Ltd.

DUT: Dipole 5000 MHz; Type: D5GHzV2; Serial: D5GHzV2 - SN:1212

Communication System: UID 0, CW (0); Frequency: 5300 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5300$ MHz; $\sigma = 5.494$ S/m; $\epsilon_r = 48.308$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(4.78, 4.78, 4.78); Calibrated: 5/31/2017; Electronics: DAE4 Sn1453

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

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: 2018-04-24; Ambient Temp: 21.6; Tissue Temp: 21.9

5300 MHz System Verification

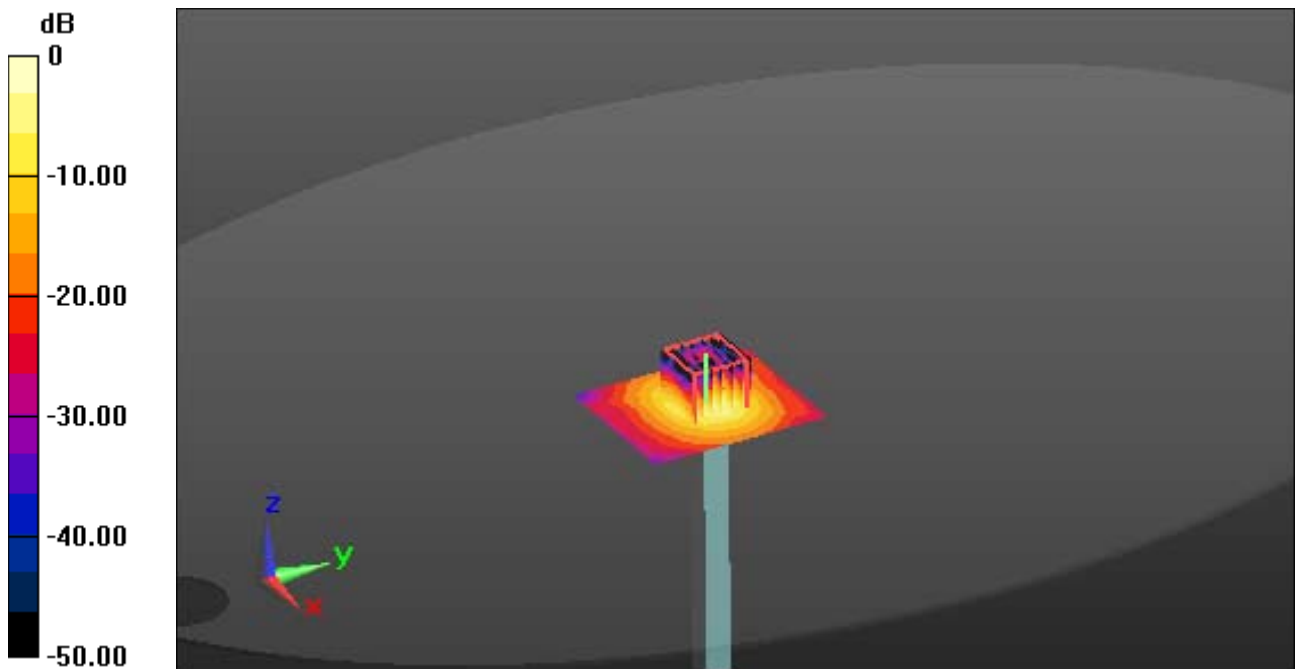
Area Scan (7x8x1): Measurement grid: dx=10mm, dy=10mm

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4

Power Drift = 0.18 dB

Peak SAR (extrapolated) = 28.5 W/kg

SAR(1 g) = 7.48 W/kg; SAR(10 g) = 2.06 W/kg



0 dB = 15.7 W/kg

DT&C Co., Ltd.

DUT: Dipole 5000 MHz; Type: D5GHzV2; Serial: D5GHzV2 - SN:1212

Communication System: UID 0, CW (0); Frequency: 5600 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5600$ MHz; $\sigma = 5.931$ S/m; $\epsilon_r = 49.002$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(4.03, 4.03, 4.03); Calibrated: 5/31/2017; Electronics: DAE4Sn1453

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

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: 2018-04-25; Ambient Temp: 21.3; Tissue Temp: 21.6

5600 MHz System Verification

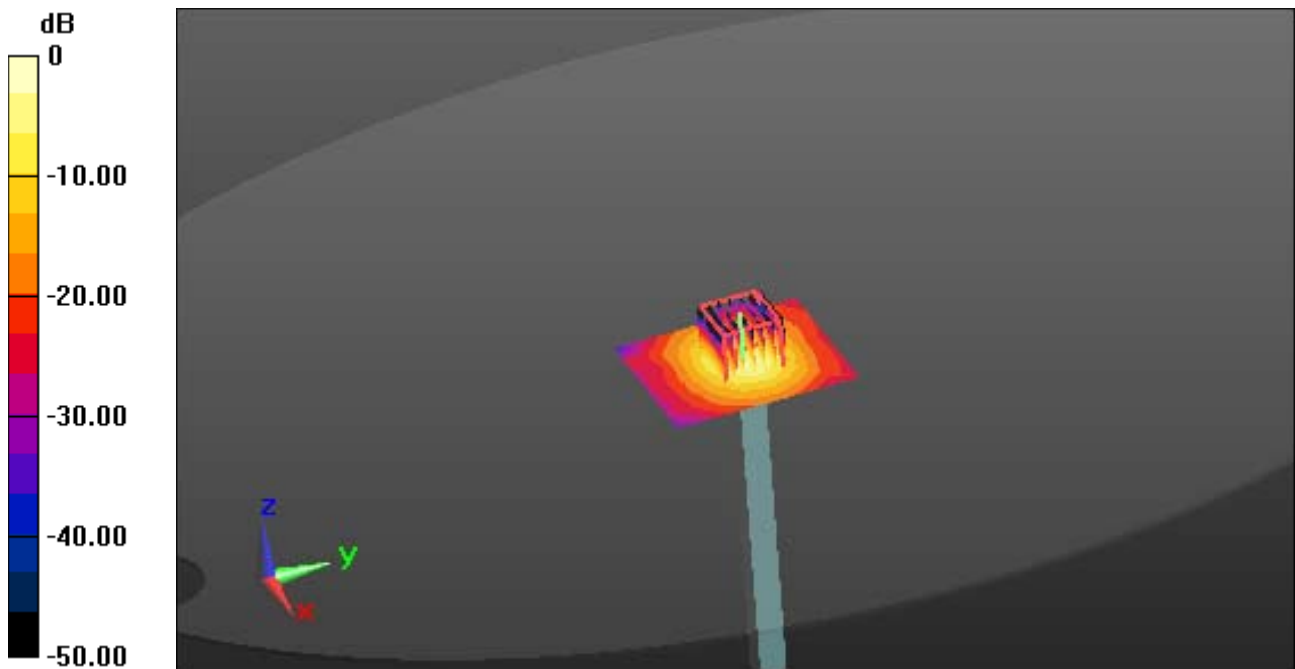
Area Scan (7x8x1): Measurement grid: dx=10mm, dy=10mm

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4

Power Drift = 0.08 dB

Peak SAR (extrapolated) = 31.7 W/kg

SAR(1 g) = 7.81 W/kg; SAR(10 g) = 2.13 W/kg



DT&C Co., Ltd.

DUT: Dipole 5000 MHz; Type: D5GHzV2; Serial: D5GHzV2 - SN:1212

Communication System: UID 0, CW; Frequency: 5800 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5800$ MHz; $\sigma = 6.103$ S/m; $\epsilon_r = 47.625$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

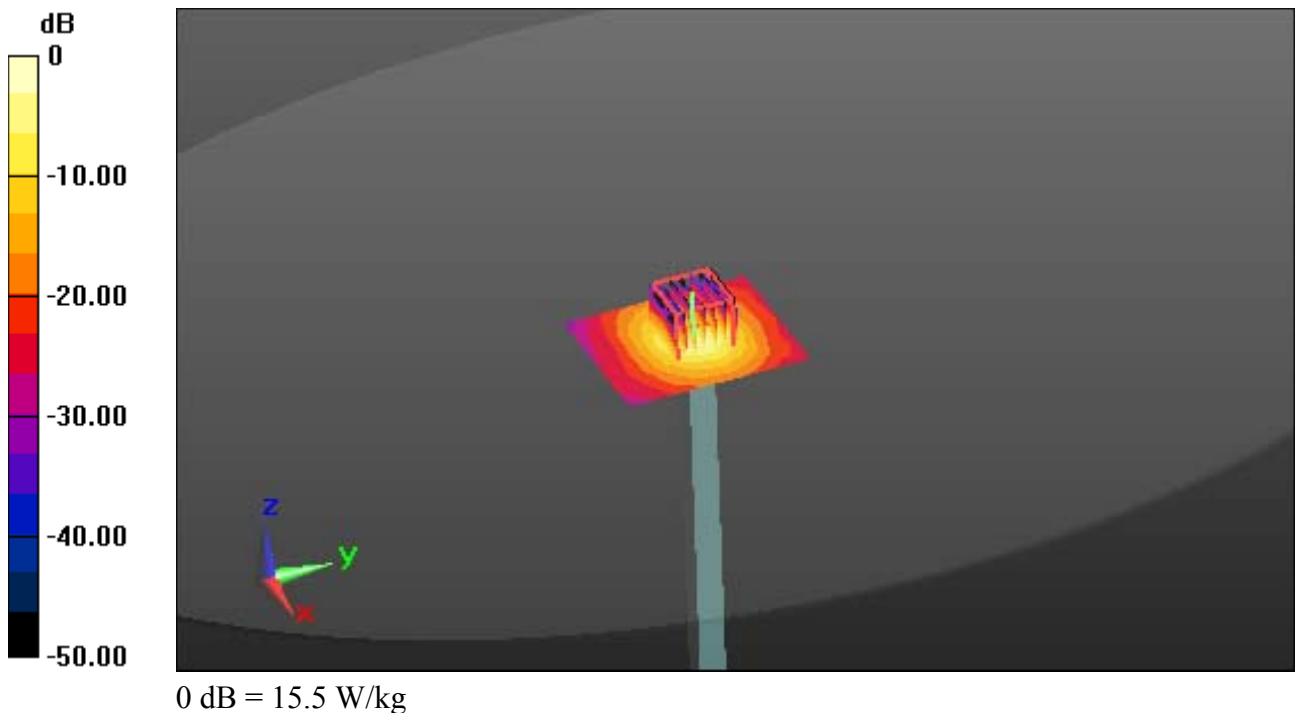
Probe: EX3DV4 - SN3866; ConvF(4.24, 4.24, 4.24); Calibrated: 5/31/2017; Electronics: DAE4 Sn1453
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: ELI v6.0; Type: QDOVA003AA; Serial: TP:2008
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-04-26; Ambient Temp: 21.5; Tissue Temp: 21.9

5800 MHz System Verification

Area Scan (7x8x1): Measurement grid: dx=10mm, dy=10mm

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4
Power Drift = 0.05 dB
Peak SAR (extrapolated) = 28.4 W/kg
SAR(1 g) = 7.53 W/kg; SAR(10 g) = 2.04 W/kg



DT&C Co., Ltd.

DUT: RT101; Type: Tablet Computer

Communication System: UID 0, W-LAN 2.4G(802.11b/g/n20, 40) (0); Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2437$ MHz; $\sigma = 1.892$ S/m; $\epsilon_r = 52.445$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(7.56, 7.56, 7.56); Calibrated: 5/31/2017; Electronics: DAE4 Sn1453

Sensor-Surface: 2mm (Mechanical Surface Detection)

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: 2018-04-23; Ambient Temp: 20.8; Tissue Temp: 21.4

Touch from Body, Rear, W-LAN(802.11b - 2.4G) Ch. 6, Ant Internal

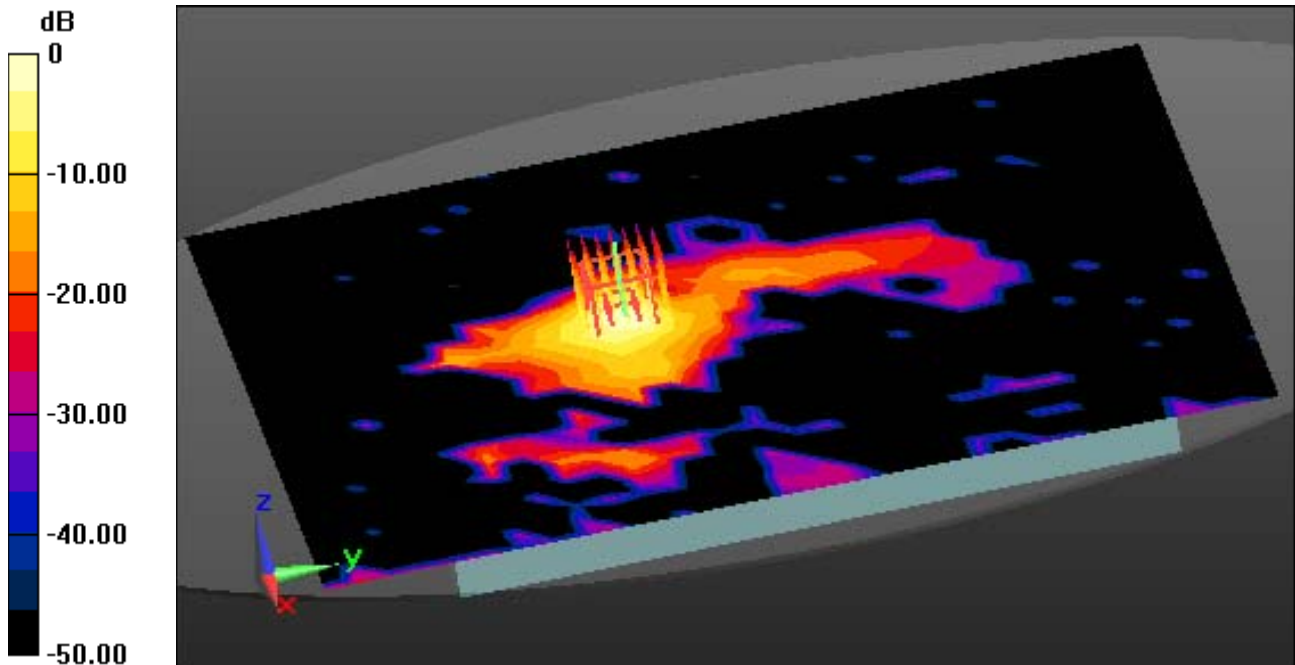
Area Scan (26x30x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

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

Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.789 W/kg

SAR(1 g) = 0.333 W/kg; SAR(10 g) = 0.137 W/kg



0 dB = 0.554 W/kg

DT&C Co., Ltd.

DUT: RT101; Type: Tablet Computer

Communication System: UID 0, W-LAN 5.3G(802.11a/n/ac) (0); Frequency: 5260 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5260 \text{ MHz}$; $\sigma = 5.444 \text{ S/m}$; $\epsilon_r = 48.37$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(4.78, 4.78, 4.78); Calibrated: 5/31/2017; Electronics: DAE4 Sn1453

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

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: 2018-04-24; Ambient Temp: 21.6; Tissue Temp: 21.9

Touch from Body, Rear, W-LAN(802.11a - 5.3G) Ch. 52, Ant Internal

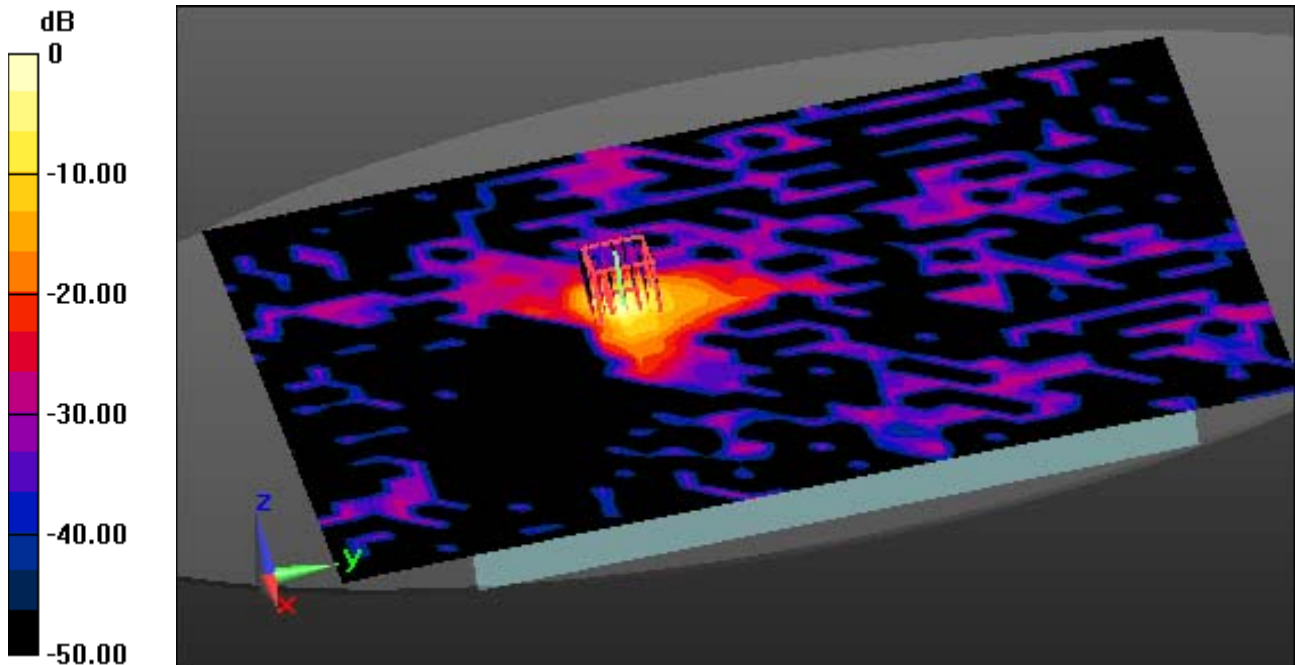
Area Scan (31x36x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=1.4\text{mm}$, Graded Ratio: 1.4

Power Drift = 0.15 dB

Peak SAR (extrapolated) = 3.82 W/kg

SAR(1 g) = 0.654 W/kg; SAR(10 g) = 0.152 W/kg



0 dB = 1.97 W/kg

DT&C Co., Ltd.

DUT: RT101; Type: Tablet Computer

Communication System: UID 0, W-LAN 5.6G(802.11a/n/ac) (0); Frequency: 5660 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5660 \text{ MHz}$; $\sigma = 5.998 \text{ S/m}$; $\epsilon_r = 48.789$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(4.03, 4.03, 4.03); Calibrated: 5/31/2017; Electronics: DAE4 Sn1453

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

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: 2018-04-25; Ambient Temp: 21.3; Tissue Temp: 21.6

Touch from Body, Rear, W-LAN(802.11a - 5.6G) Ch. 132, Ant Internal

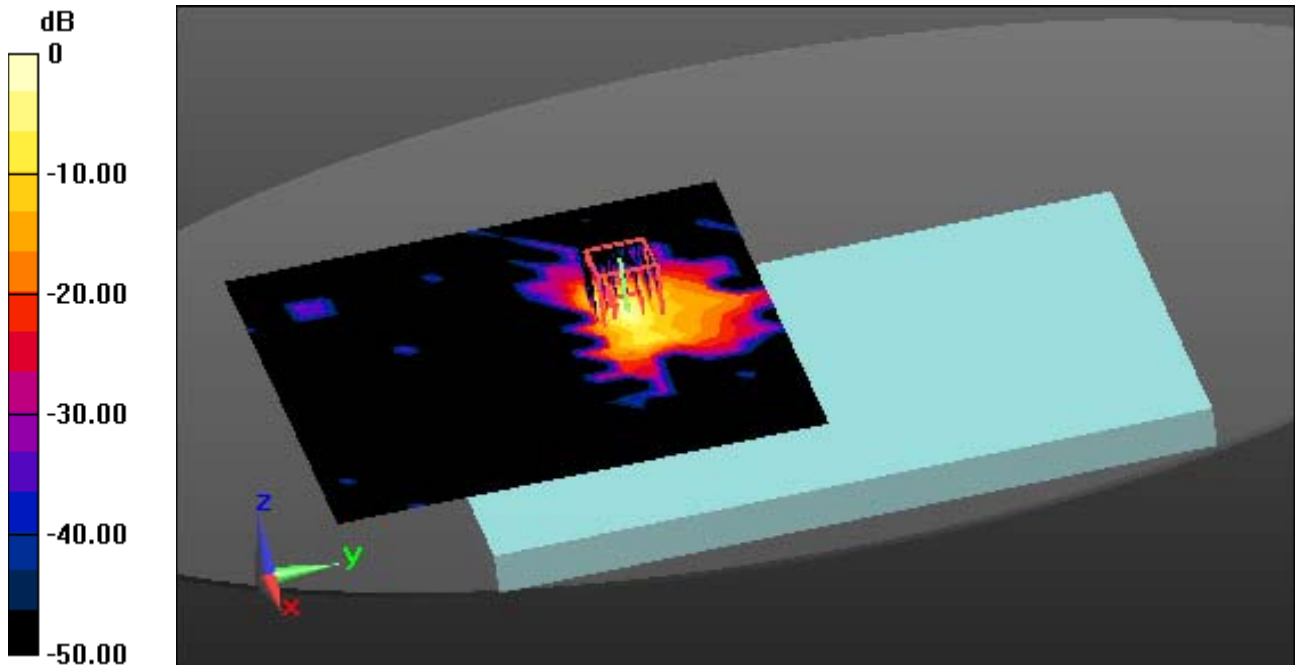
Area Scan (21x19x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=1.4\text{mm}$, Graded Ratio: 1.4

Power Drift = 0.00 dB

Peak SAR (extrapolated) = 5.09 W/kg

SAR(1 g) = 0.799 W/kg; SAR(10 g) = 0.167 W/kg



0 dB = 2.48 W/kg

DT&C Co., Ltd.

DUT: RT101; Type: Tablet Computer

Communication System: UID 0, W-LAN 5.8G(802.11a/n/ac) (0); Frequency: 5745 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5745 \text{ MHz}$; $\sigma = 6.028 \text{ S/m}$; $\epsilon_r = 47.74$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(4.24, 4.24, 4.24); Calibrated: 5/31/2017; Electronics: DAE4 Sn1453

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

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: 2018-04-26; Ambient Temp: 21.5; Tissue Temp: 21.9

Touch from Body, Rear, W-LAN(802.11a - 5.8G) Ch. 149, Ant Internal

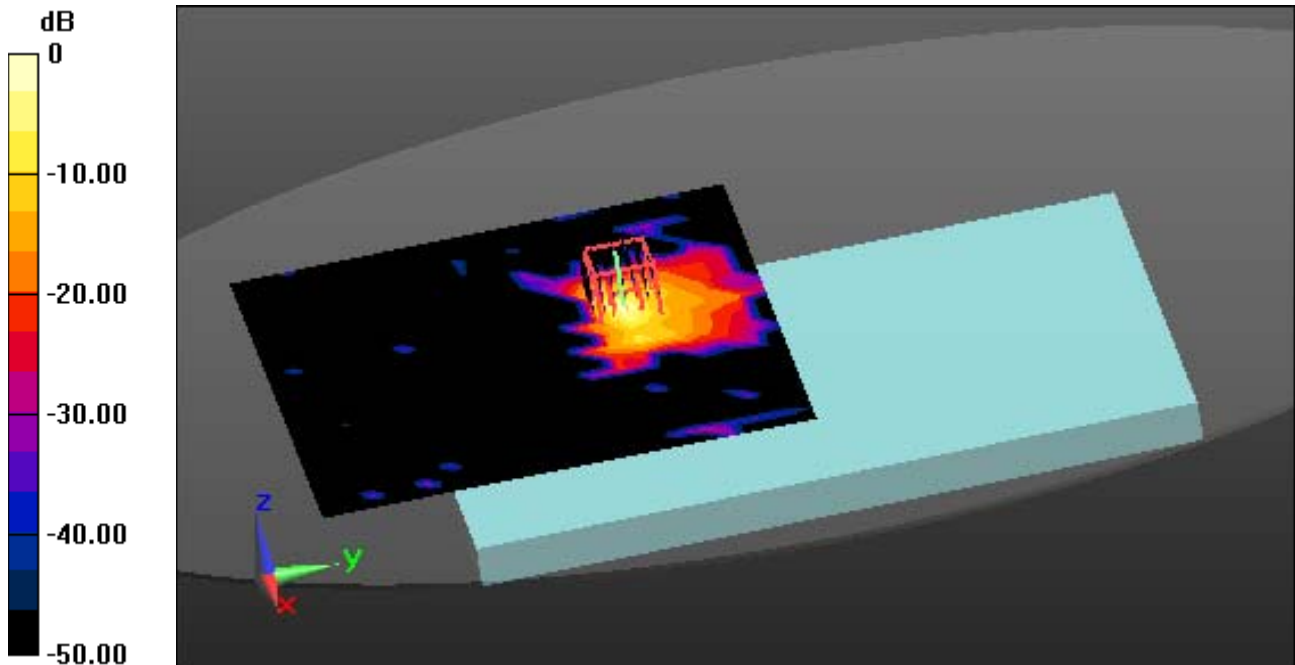
Area Scan (21x19x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=1.4\text{mm}$, Graded Ratio: 1.4

Power Drift = 0.00 dB

Peak SAR (extrapolated) = 5.15 W/kg

SAR(1 g) = 0.792 W/kg; SAR(10 g) = 0.160 W/kg



0 dB = 2.52 W/kg