

SAR Plots

- Verification Plots
- SAR Test Plots

DT&C Co., Ltd.

DUT: Dipole 750 MHz; Type: D750V3; Serial: D750V3 - SN:1049

Communication System: UID 0, CW (0); Frequency: 750 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 750$ MHz; $\sigma = 0.889$ S/m; $\epsilon_r = 40.857$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: ES3DV3 - SN3328; ConvF(6.61, 6.61, 6.61); Calibrated: 3/21/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-08-21; Ambient Temp: 20.5; Tissue Temp: 21.2

750 MHz System Head Verification (250mW)

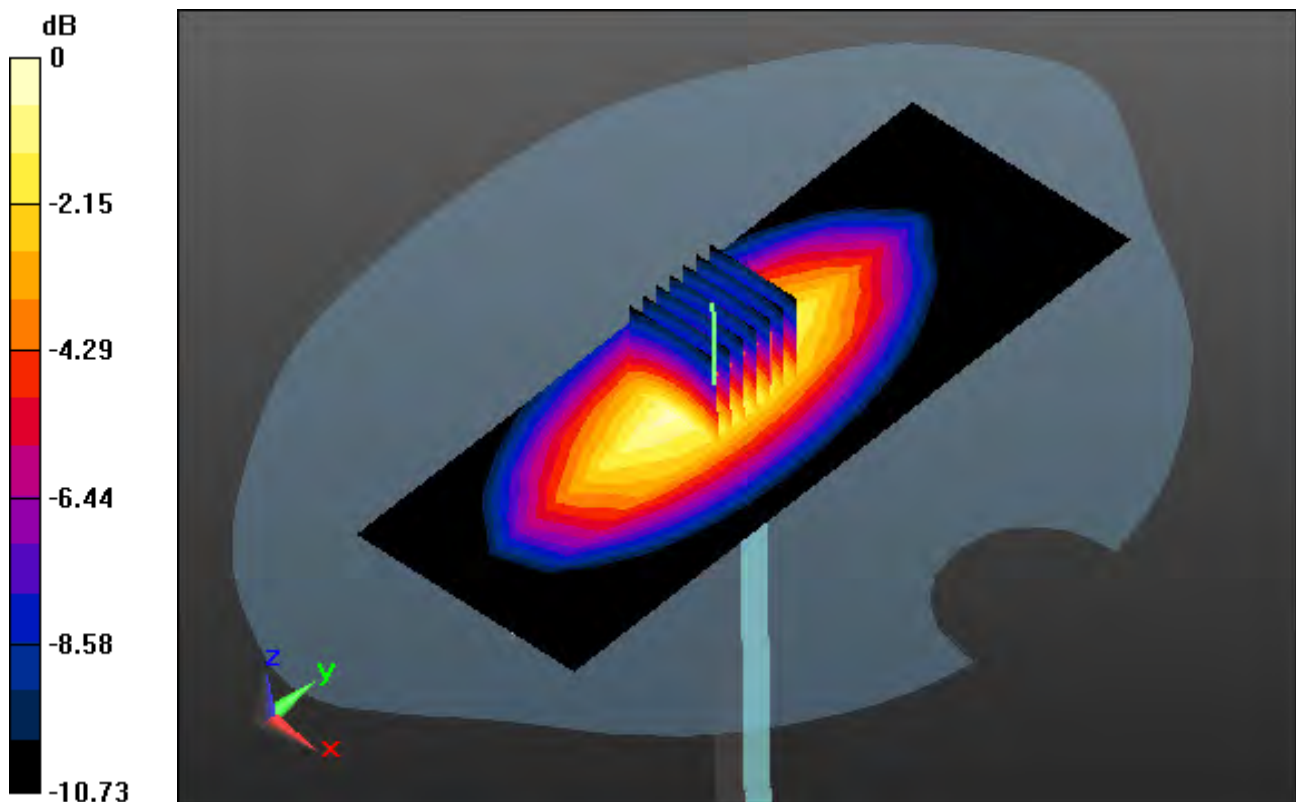
Area Scan (6x15x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.01 dB

Peak SAR (extrapolated) = 3.18 W/kg

SAR(1 g) = 2.08 W/kg; SAR(10 g) = 1.34 W/kg



0 dB = 2.45 W/kg

DT&C Co., Ltd.

DUT: Dipole 750 MHz; Type: D750V3; Serial: D750V3 - SN:1049

Communication System: UID 0, CW (0); Frequency: 750 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 750$ MHz; $\sigma = 0.965$ S/m; $\epsilon_r = 53.995$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: ES3DV3 - SN3328; ConvF(6.29, 6.29, 6.29); Calibrated: 3/21/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-08-21; Ambient Temp: 20.5; Tissue Temp: 21.0

750 MHz System Body Verification (250mW)

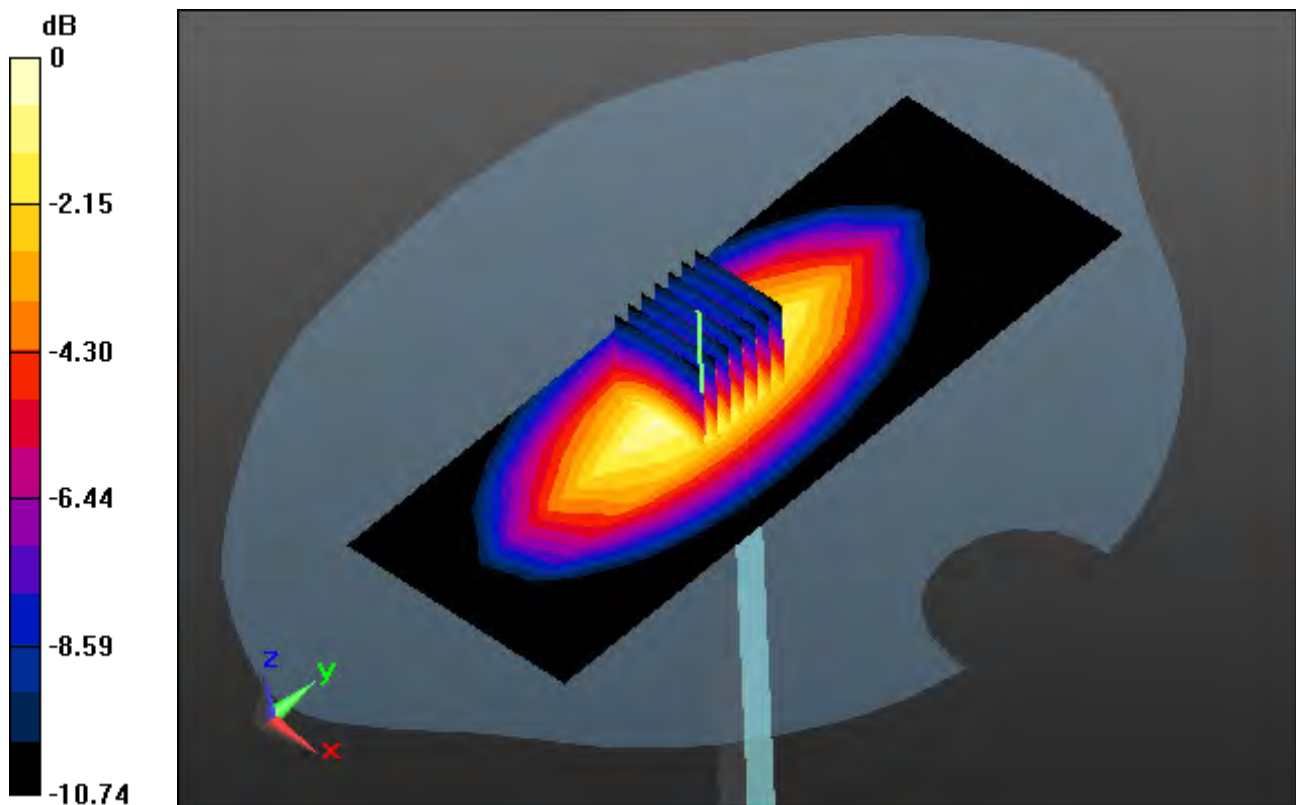
Area Scan (6x15x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.04 dB

Peak SAR (extrapolated) = 3.49 W/kg

SAR(1 g) = 2.28 W/kg; SAR(10 g) = 1.46 W/kg



0 dB = 2.69 W/kg

DT&C Co., Ltd.

DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN:464

Communication System: UID 0, CW (0); Frequency: 835 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.93 \text{ S/m}$; $\epsilon_r = 42.42$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY5 Configuration:

Probe: ES3DV3 - SN3328; ConvF(6.35, 6.35, 6.35); Calibrated: 3/21/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-08-08; Ambient Temp: 20.5; Tissue Temp: 21.1

835 MHz System Head Verification (250mW)

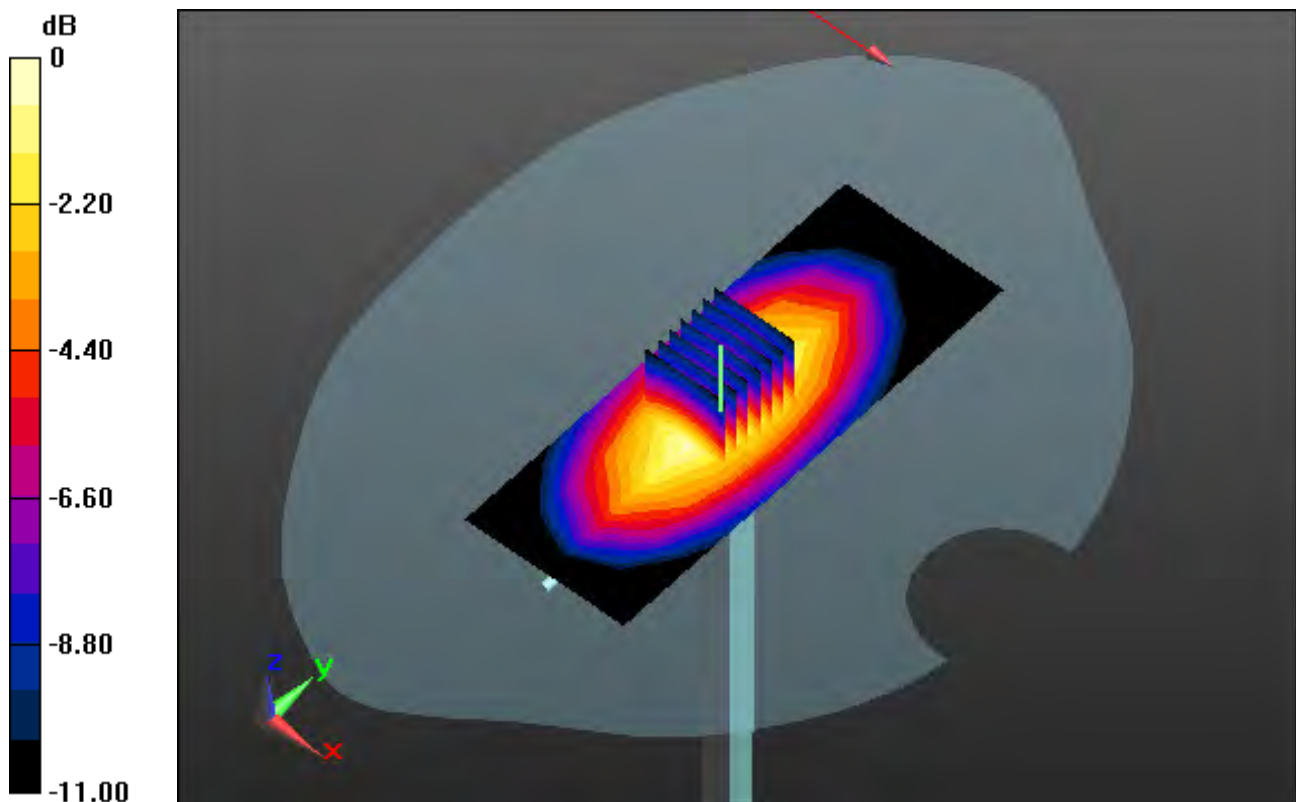
Area Scan (5x12x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.04 dB

Peak SAR (extrapolated) = 3.74 W/kg

SAR(1 g) = 2.46 W/kg; SAR(10 g) = 1.59 W/kg



0 dB = 2.90 W/kg

DT&C Co., Ltd.

DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN:464

Communication System: UID 0, CW (0); Frequency: 835 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.985 \text{ S/m}$; $\epsilon_r = 53.708$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY5 Configuration:

Probe: ES3DV3 - SN3328; ConvF(6.23, 6.23, 6.23); Calibrated: 3/21/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-08-08; Ambient Temp: 20.5; Tissue Temp: 21.0

835 MHz System Body Verification (250mW)

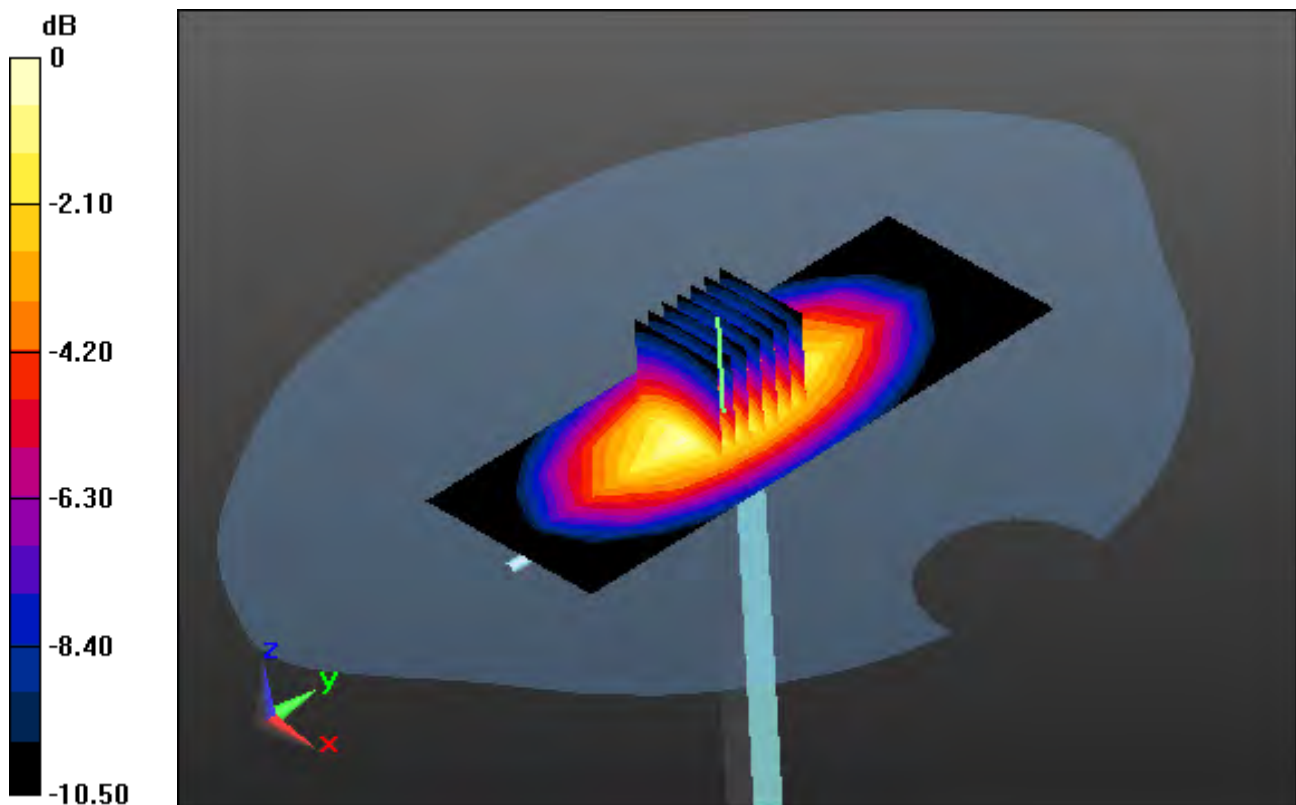
Area Scan (5x12x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.05 dB

Peak SAR (extrapolated) = 3.66 W/kg

SAR(1 g) = 2.46 W/kg; SAR(10 g) = 1.62 W/kg



0 dB = 2.94 W/kg

DT&C Co., Ltd.

DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN:464

Communication System: UID 0, CW (0); Frequency: 835 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 835$ MHz; $\sigma = 0.93$ S/m; $\epsilon_r = 42.407$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: ES3DV3 - SN3328; ConvF(6.35, 6.35, 6.35); Calibrated: 3/21/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-08-14; Ambient Temp: 21.0; Tissue Temp: 21.7

835 MHz System Head Verification (250mW)

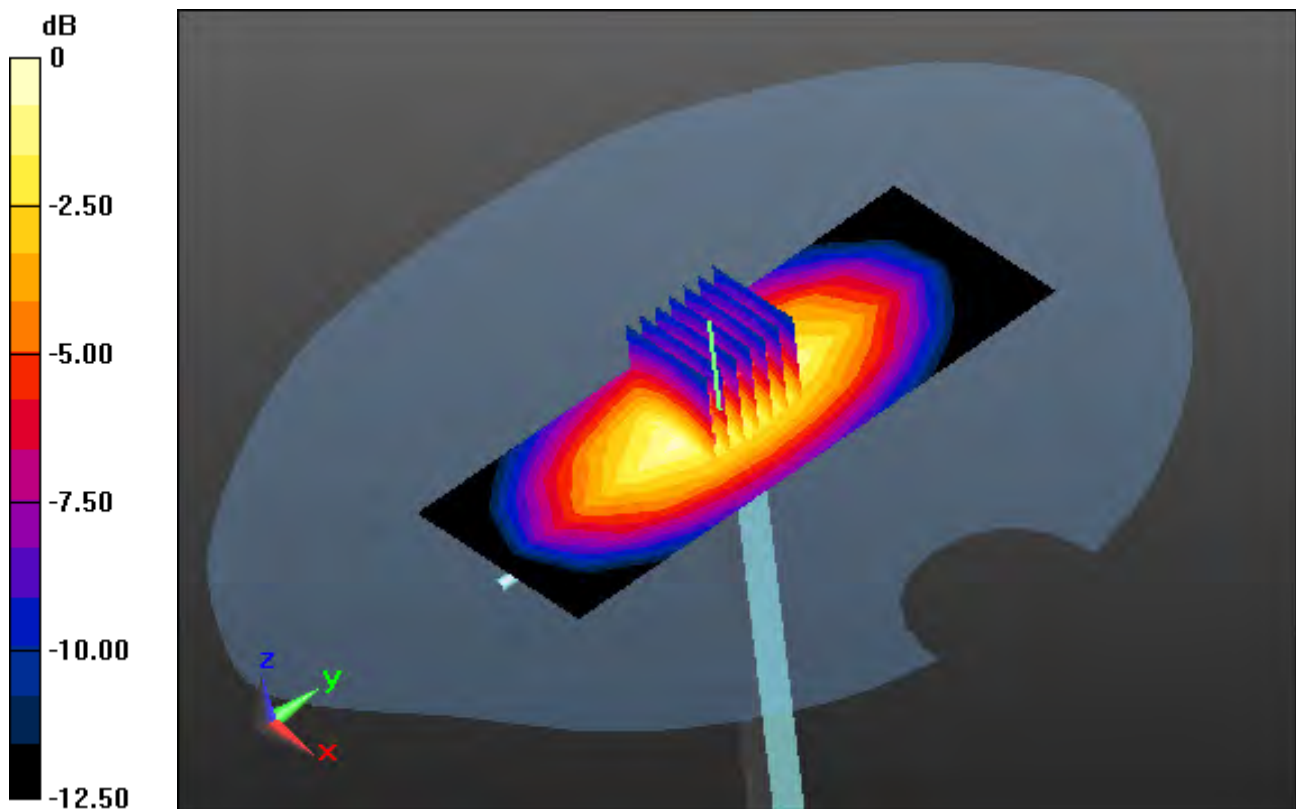
Area Scan (5x12x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.03 dB

Peak SAR (extrapolated) = 3.54 W/kg

SAR(1 g) = 2.33 W/kg; SAR(10 g) = 1.48 W/kg



0 dB = 2.80 W/kg

DT&C Co., Ltd.

DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN:464

Communication System: UID 0, CW (0); Frequency: 835 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 835$ MHz; $\sigma = 0.986$ S/m; $\epsilon_r = 53.722$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: ES3DV3 - SN3328; ConvF(6.23, 6.23, 6.23); Calibrated: 3/21/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-08-14; Ambient Temp: 21.0; Tissue Temp: 21.4

835 MHz System Body Verification (250mW)

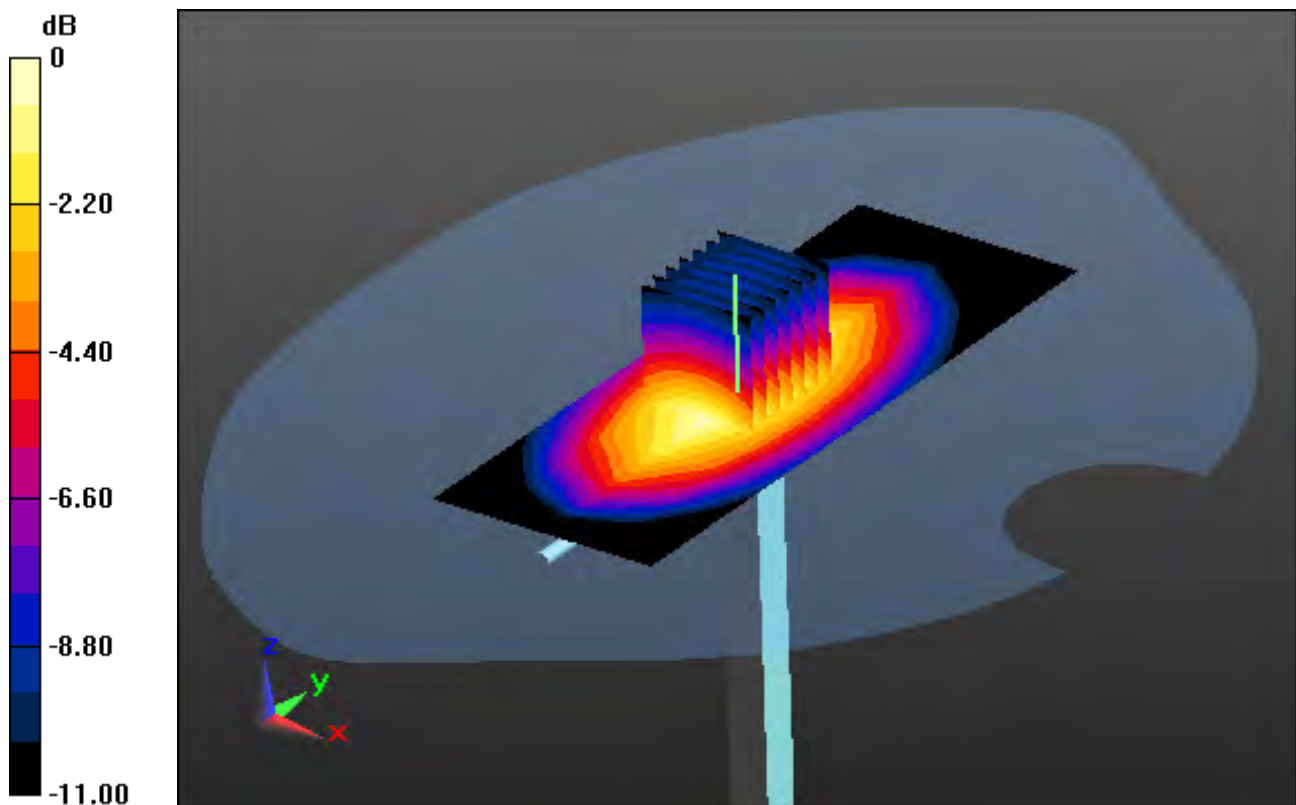
Area Scan (5x12x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.07 dB

Peak SAR (extrapolated) = 3.56 W/kg

SAR(1 g) = 2.37 W/kg; SAR(10 g) = 1.52 W/kg



0 dB = 2.84 W/kg

DT&C Co., Ltd.

DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN:464

Communication System: UID 0, CW (0); Frequency: 835 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 835$ MHz; $\sigma = 0.929$ S/m; $\epsilon_r = 42.314$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: ES3DV3 - SN3328; ConvF(6.35, 6.35, 6.35); Calibrated: 3/21/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-08-16; Ambient Temp: 21.1; Tissue Temp: 21.8

835 MHz System Head Verification (250mW)

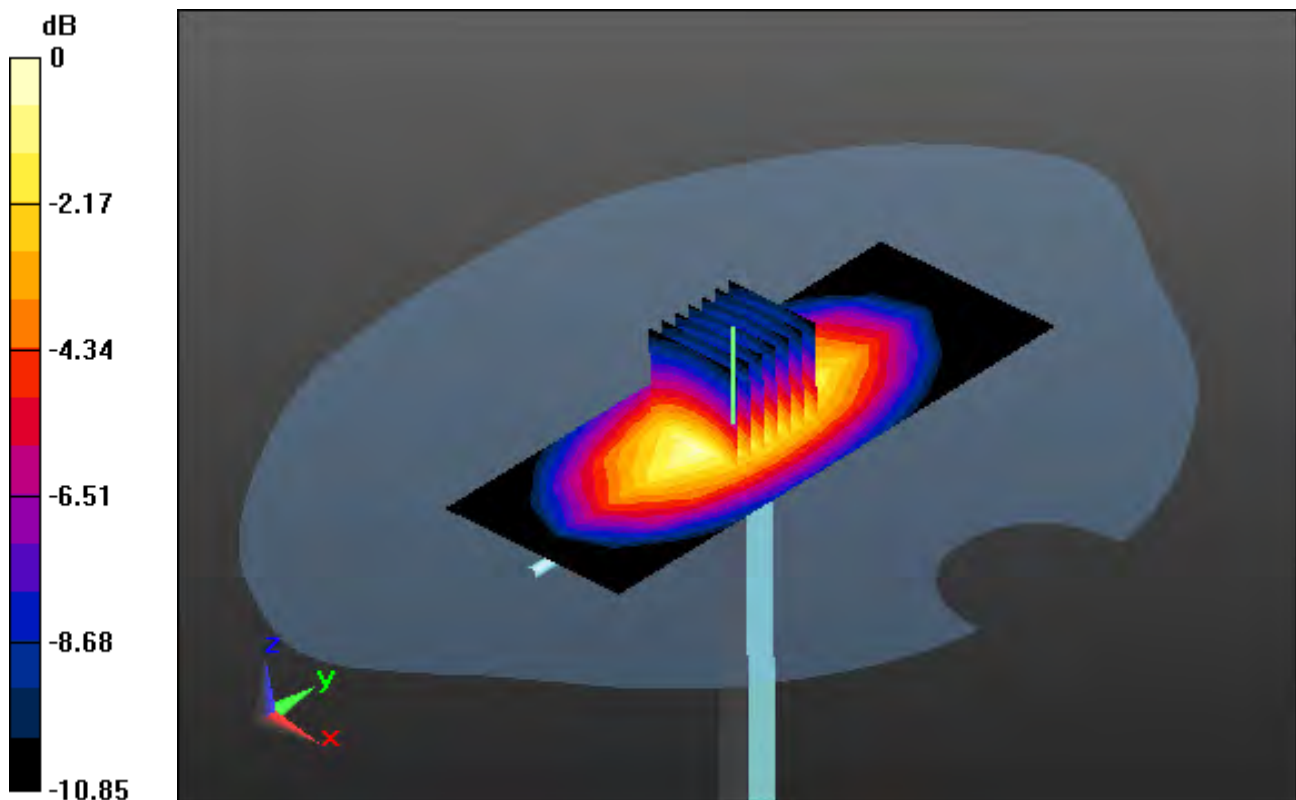
Area Scan (5x12x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.08 dB

Peak SAR (extrapolated) = 3.66 W/kg

SAR(1 g) = 2.39 W/kg; SAR(10 g) = 1.52 W/kg



0 dB = 2.84 W/kg

DT&C Co., Ltd.

DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN:464

Communication System: UID 0, CW (0); Frequency: 835 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.986 \text{ S/m}$; $\epsilon_r = 53.742$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY5 Configuration:

Probe: ES3DV3 - SN3328; ConvF(6.23, 6.23, 6.23); Calibrated: 3/21/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-08-16; Ambient Temp: 21.1; Tissue Temp: 21.7

835 MHz System Body Verification (250mW)

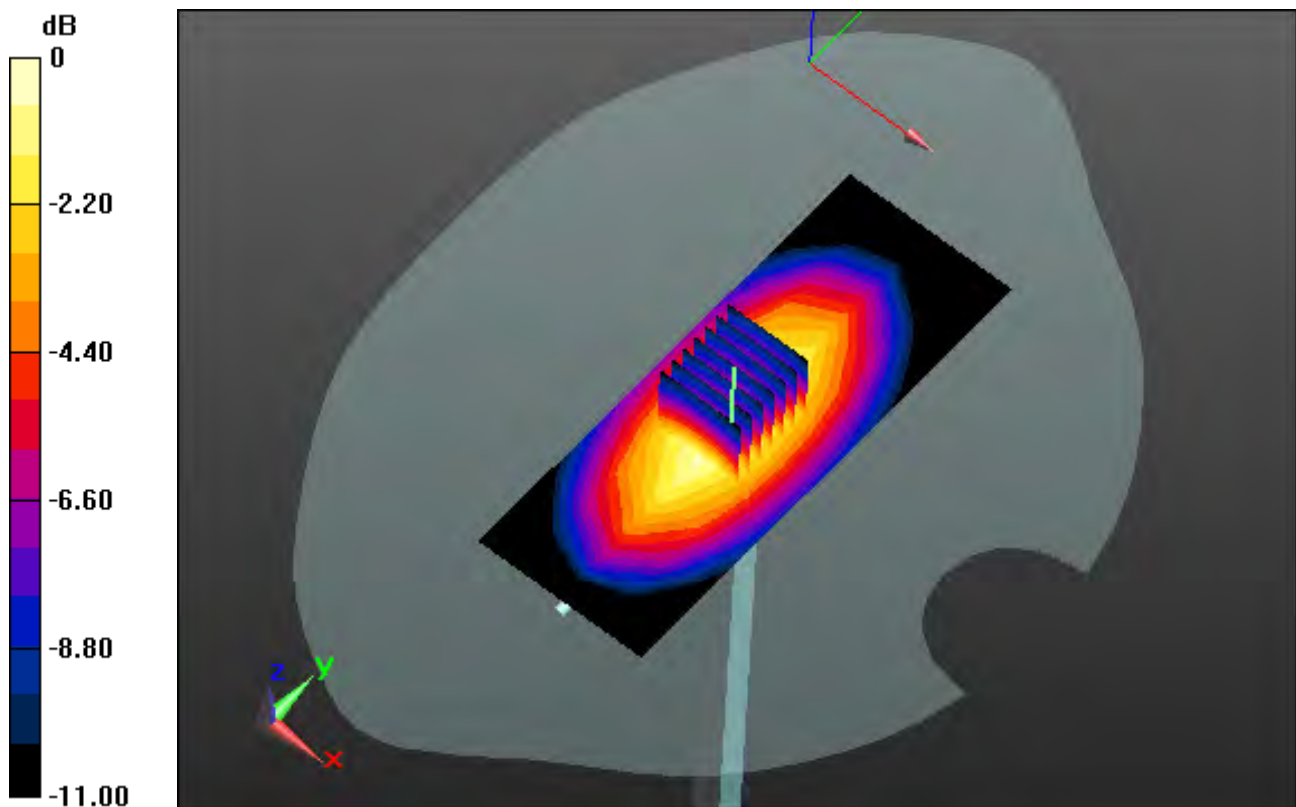
Area Scan (5x12x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.06 dB

Peak SAR (extrapolated) = 3.96 W/kg

SAR(1 g) = 2.42 W/kg; SAR(10 g) = 1.55 W/kg



0 dB = 3.04 W/kg

DT&C Co., Ltd.

DUT: Dipole 1800 MHz; Type: D1800V2; Serial: D1800V2 - SN:2d202

Communication System: UID 0, CW (0); Frequency: 1800 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1800$ MHz; $\sigma = 1.396$ S/m; $\epsilon_r = 40.481$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: ES3DV3 - SN3328; ConvF(5.56, 5.56, 5.56); Calibrated: 3/21/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-08-13; Ambient Temp: 20.5; Tissue Temp: 21.2

1800 MHz System Head Verification (100mW)

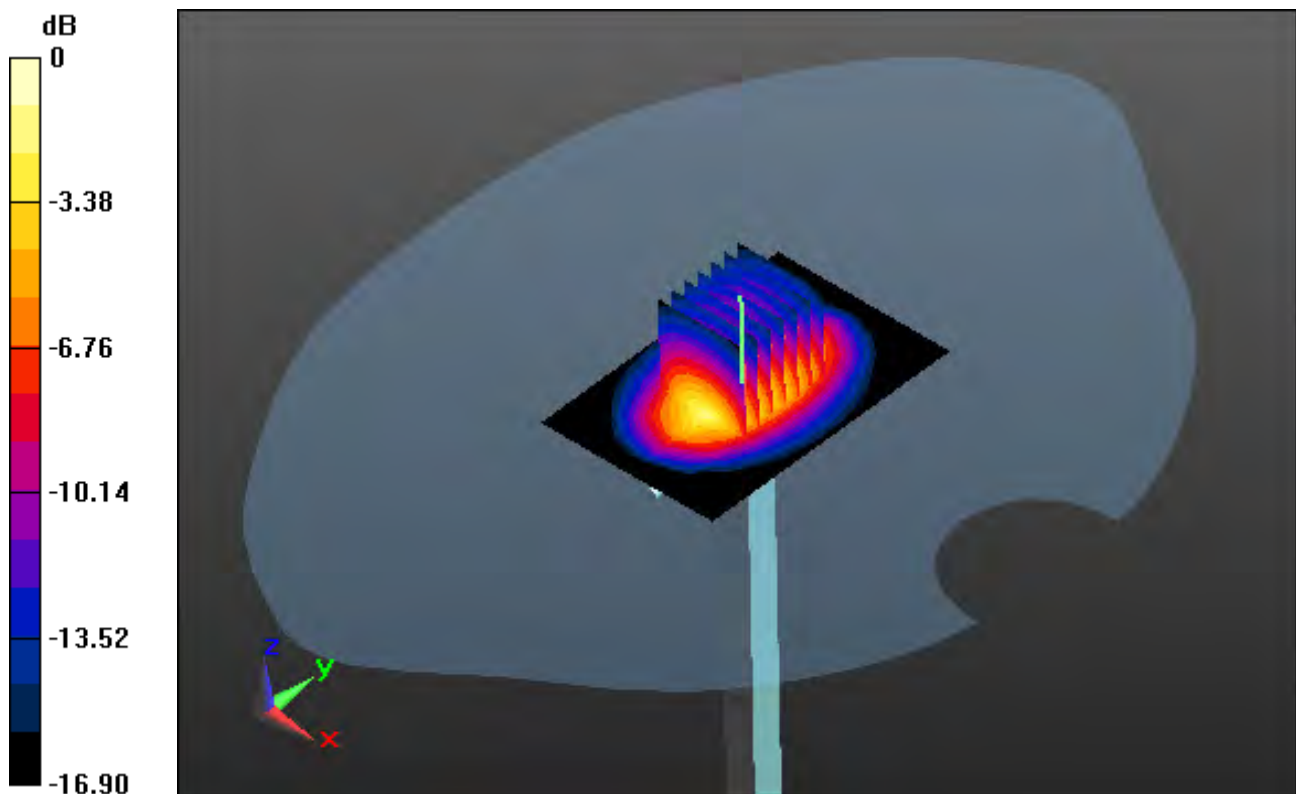
Area Scan (7x10x1): Measurement grid: dx=10mm, dy=10mm

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

Power Drift = 0.04 dB

Peak SAR (extrapolated) = 6.68 W/kg

SAR(1 g) = 4.14 W/kg; SAR(10 g) = 2.15 W/kg



0 dB = 5.69 W/kg

DT&C Co., Ltd.

DUT: Dipole 1800 MHz; Type: D1800V2; Serial: D1800V2 - SN:2d202

Communication System: UID 0, CW (0); Frequency: 1800 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1800$ MHz; $\sigma = 1.581$ S/m; $\epsilon_r = 52.688$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: ES3DV3 - SN3328; ConvF(5.1, 5.1, 5.1); Calibrated: 3/21/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (Mechanical Surface Detection)

Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786

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

Test Date: 2018-08-13; Ambient Temp: 20.5; Tissue Temp: 21.3

1800 MHz System Body Verification (100mW)

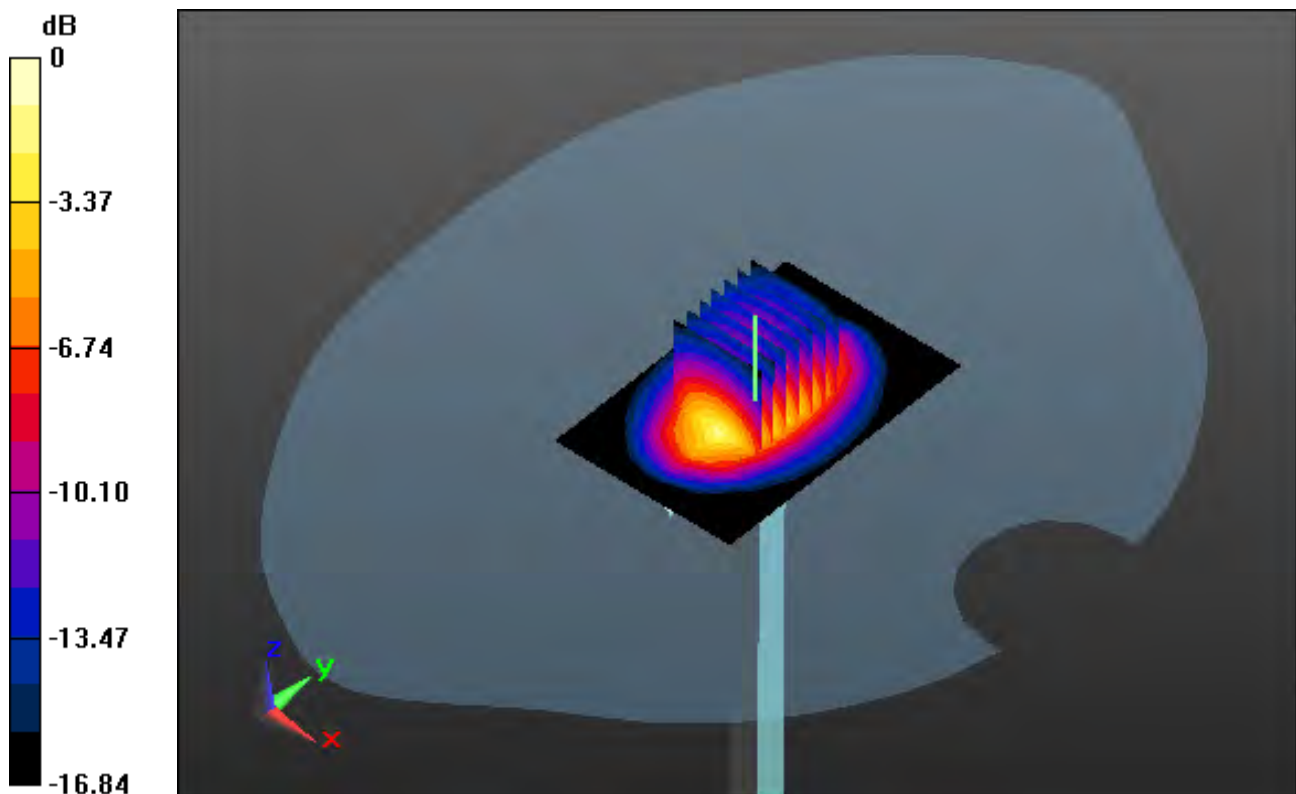
Area Scan (7x10x1): Measurement grid: dx=10mm, dy=10mm

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

Power Drift = 0.05 dB

Peak SAR (extrapolated) = 5.63 W/kg

SAR(1 g) = 3.8 W/kg; SAR(10 g) = 2.07 W/kg



0 dB = 4.66 W/kg

DT&C Co., Ltd.

DUT: Dipole 1800 MHz; Type: D1800V2; Serial: D1800V2 - SN:2d202

Communication System: UID 0, CW (0); Frequency: 1800 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1800$ MHz; $\sigma = 1.4$ S/m; $\epsilon_r = 40.729$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: ES3DV3 - SN3328; ConvF(5.56, 5.56, 5.56); Calibrated: 3/21/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-08-22; Ambient Temp: 20.7; Tissue Temp: 21.1

1800 MHz System Head Verification (100mW)

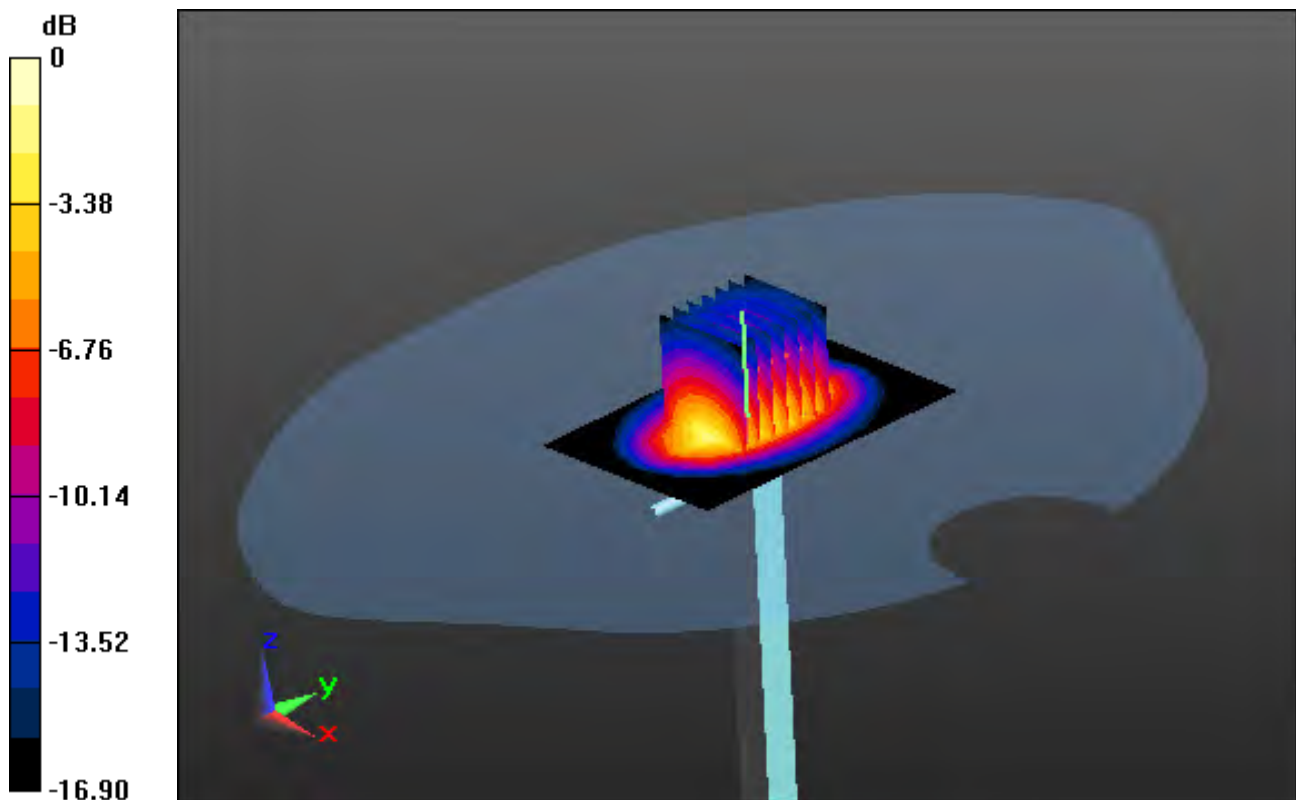
Area Scan (7x10x1): Measurement grid: dx=10mm, dy=10mm

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

Power Drift = -0.11 dB

Peak SAR (extrapolated) = 6.50 W/kg

SAR(1 g) = 4.06 W/kg; SAR(10 g) = 2.11 W/kg



0 dB = 5.61 W/kg

DT&C Co., Ltd.

DUT: Dipole 1800 MHz; Type: D1800V2; Serial: D1800V2 - SN:2d202

Communication System: UID 0, CW (0); Frequency: 1800 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1800$ MHz; $\sigma = 1.578$ S/m; $\epsilon_r = 52.812$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: ES3DV3 - SN3328; ConvF(5.1, 5.1, 5.1); Calibrated: 3/21/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-08-22; Ambient Temp: 20.7; Tissue Temp: 21.0

1800 MHz System Body Verification (100mW)

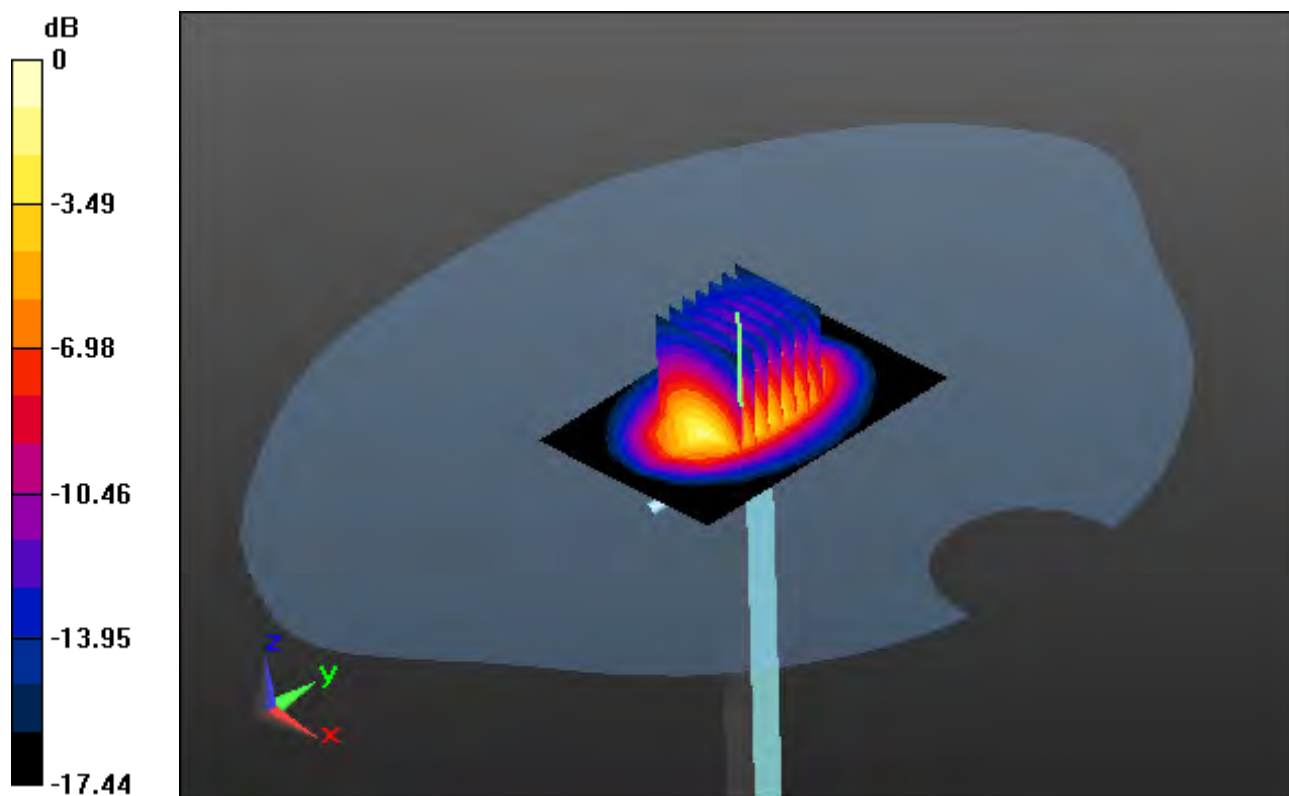
Area Scan (7x10x1): Measurement grid: dx=10mm, dy=10mm

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

Power Drift = -0.09 dB

Peak SAR (extrapolated) = 6.11 W/kg

SAR(1 g) = 4.08 W/kg; SAR(10 g) = 2.16 W/kg



0 dB = 5.34 W/kg

DT&C Co., Ltd.

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2 - SN:5d029

Communication System: UID 0, CW (0); Frequency: 1900 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1900$ MHz; $\sigma = 1.424$ S/m; $\epsilon_r = 38.642$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: ES3DV3 - SN3328; ConvF(5.26, 5.26, 5.26); Calibrated: 3/21/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-08-09; Ambient Temp: 20.7; Tissue Temp: 21.3

1900 MHz System Head Verification (100mW)

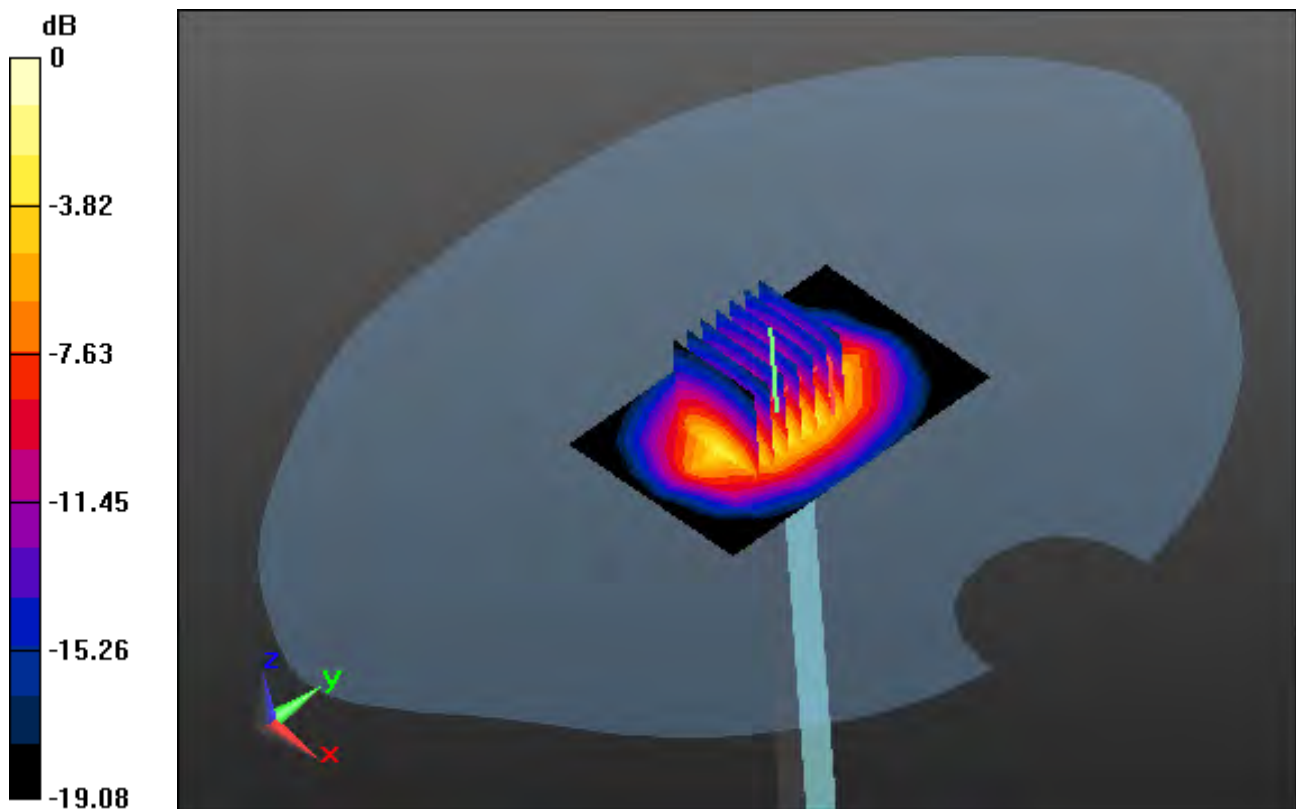
Area Scan (5x7x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.03 dB

Peak SAR (extrapolated) = 6.80 W/kg

SAR(1 g) = 4.12 W/kg; SAR(10 g) = 2.16 W/kg



0 dB = 5.35 W/kg

DT&C Co., Ltd.

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2 - SN:5d029

Communication System: UID 0, CW (0); Frequency: 1900 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1900$ MHz; $\sigma = 1.556$ S/m; $\epsilon_r = 51.327$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: ES3DV3 - SN3328; ConvF(4.88, 4.88, 4.88); Calibrated: 3/21/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-08-09; Ambient Temp: 20.7; Tissue Temp: 21.1

1900 MHz System Body Verification (100mW)

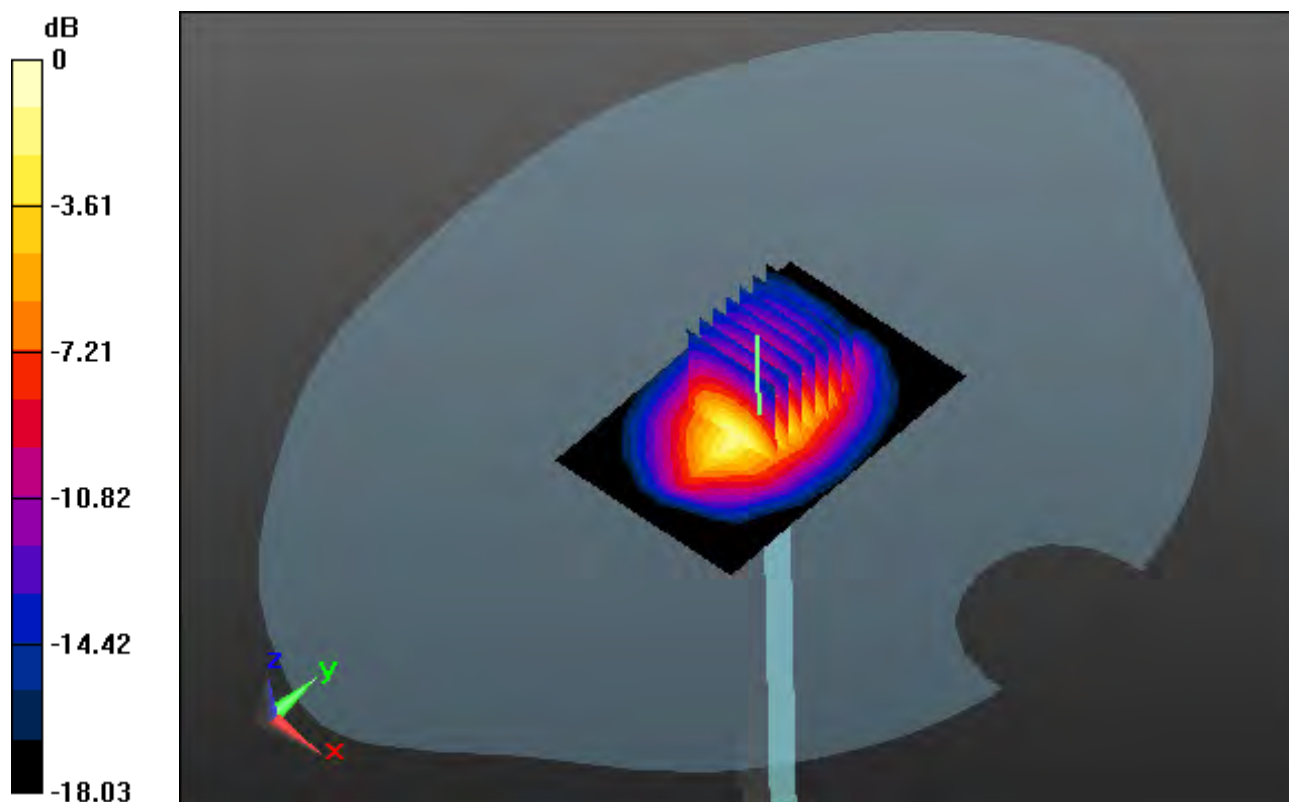
Area Scan (5x7x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.02 dB

Peak SAR (extrapolated) = 6.23 W/kg

SAR(1 g) = 3.84 W/kg; SAR(10 g) = 2.01 W/kg



0 dB = 4.91 W/kg

DT&C Co., Ltd.

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2 - SN:5d029

Communication System: UID 0, CW (0); Frequency: 1900 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1900$ MHz; $\sigma = 1.419$ S/m; $\epsilon_r = 38.579$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: ES3DV3 - SN3328; ConvF(5.26, 5.26, 5.26); Calibrated: 3/21/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-08-10; Ambient Temp: 20.4; Tissue Temp: 20.8

1900 MHz System Head Verification (100mW)

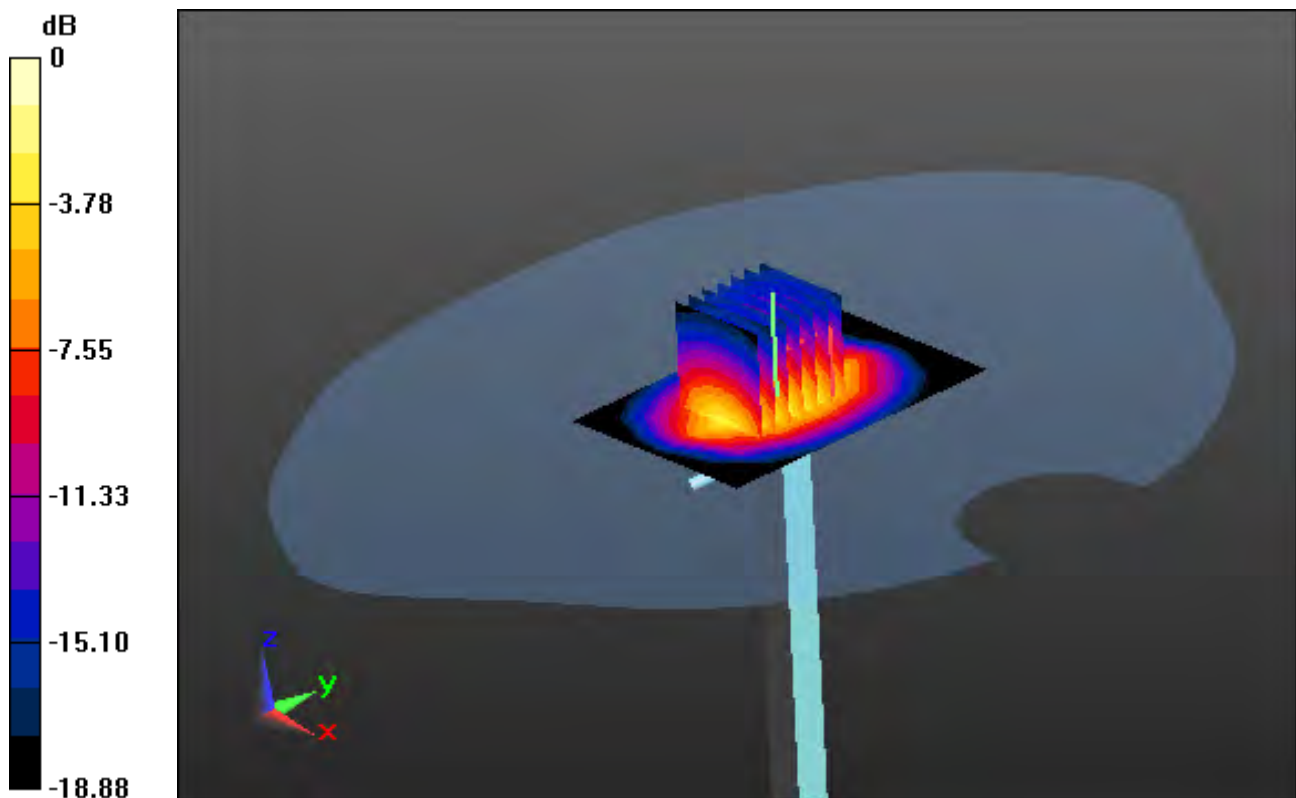
Area Scan (5x7x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.06 dB

Peak SAR (extrapolated) = 6.68 W/kg

SAR(1 g) = 4.01 W/kg; SAR(10 g) = 2.1 W/kg



0 dB = 5.34 W/kg

DT&C Co., Ltd.

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2 - SN:5d029

Communication System: UID 0, CW (0); Frequency: 1900 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1900$ MHz; $\sigma = 1.552$ S/m; $\epsilon_r = 51.601$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: ES3DV3 - SN3328; ConvF(4.88, 4.88, 4.88); Calibrated: 3/21/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-08-10; Ambient Temp: 20.4; Tissue Temp: 21.0

1900 MHz System Body Verification (100mW)

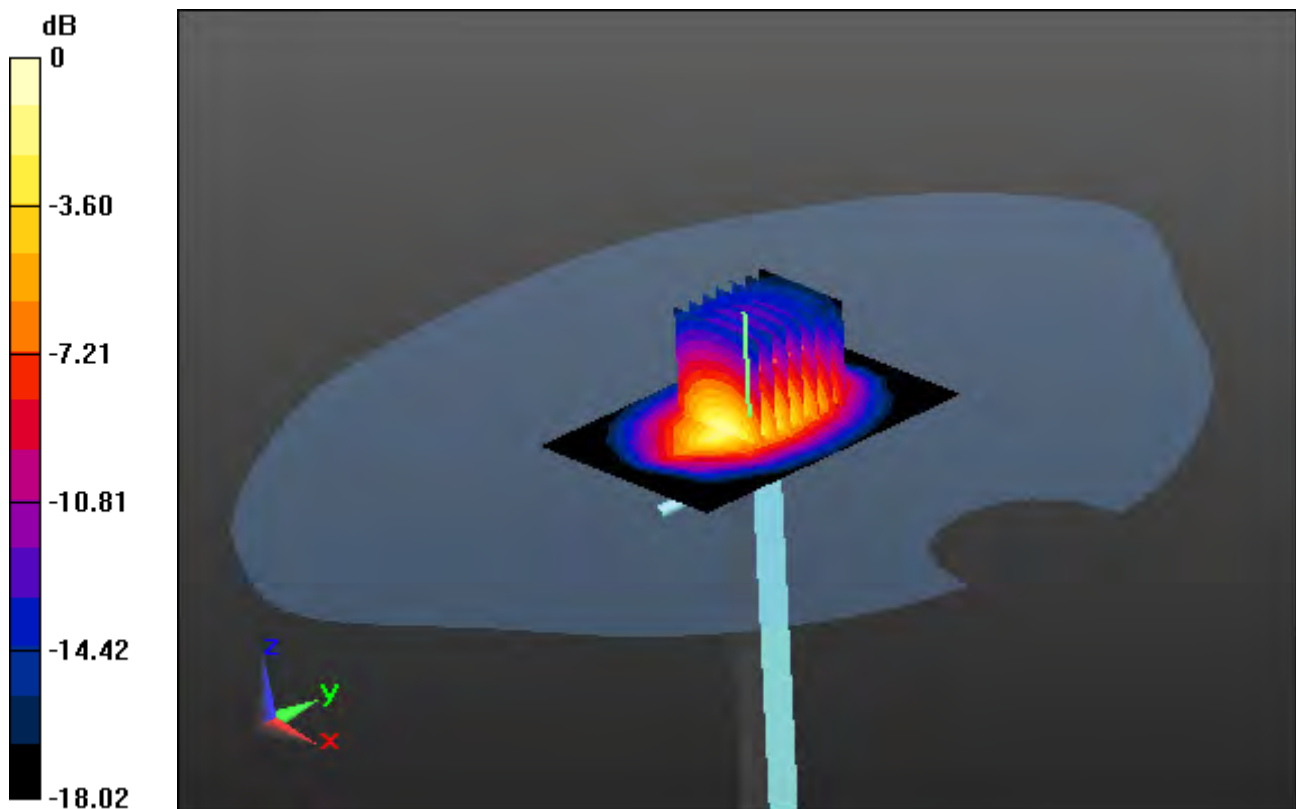
Area Scan (5x7x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.08 dB

Peak SAR (extrapolated) = 6.33 W/kg

SAR(1 g) = 3.98 W/kg; SAR(10 g) = 2.08 W/kg



0 dB = 5.63 W/kg

DT&C Co., Ltd.

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2 - SN:5d029

Communication System: UID 0, CW (0); Frequency: 1900 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1900$ MHz; $\sigma = 1.425$ S/m; $\epsilon_r = 38.664$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: ES3DV3 - SN3328; ConvF(5.26, 5.26, 5.26); Calibrated: 3/21/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-08-15; Ambient Temp: 20.9; Tissue Temp: 21.4

1900 MHz System Head Verification (100mW)

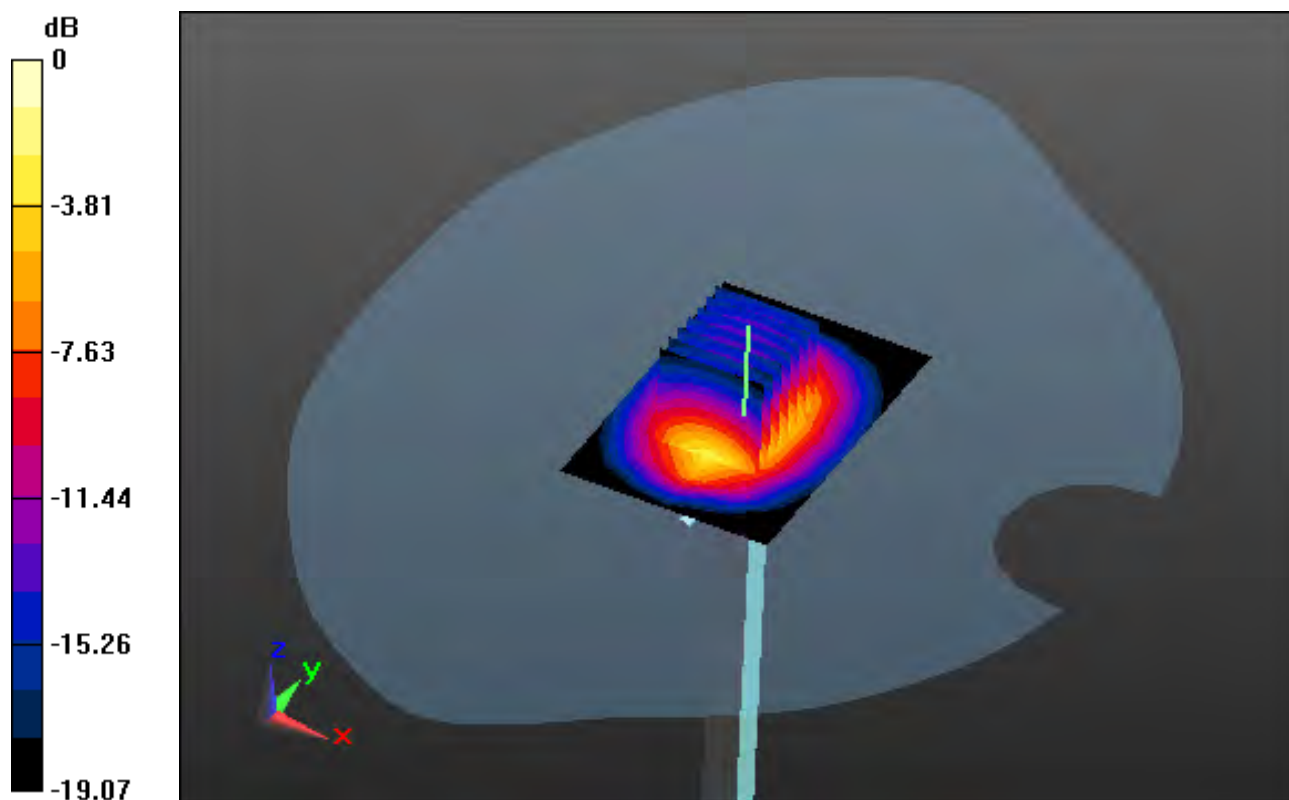
Area Scan (5x7x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.05 dB

Peak SAR (extrapolated) = 6.46 W/kg

SAR(1 g) = 4.08 W/kg; SAR(10 g) = 2.13 W/kg



0 dB = 5.25 W/kg

DT&C Co., Ltd.

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2 - SN:5d029

Communication System: UID 0, CW (0); Frequency: 1900 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1900$ MHz; $\sigma = 1.552$ S/m; $\epsilon_r = 51.684$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: ES3DV3 - SN3328; ConvF(4.88, 4.88, 4.88); Calibrated: 3/21/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-08-15; Ambient Temp: 20.9; Tissue Temp: 21.2

1900 MHz System Body Verification (100mW)

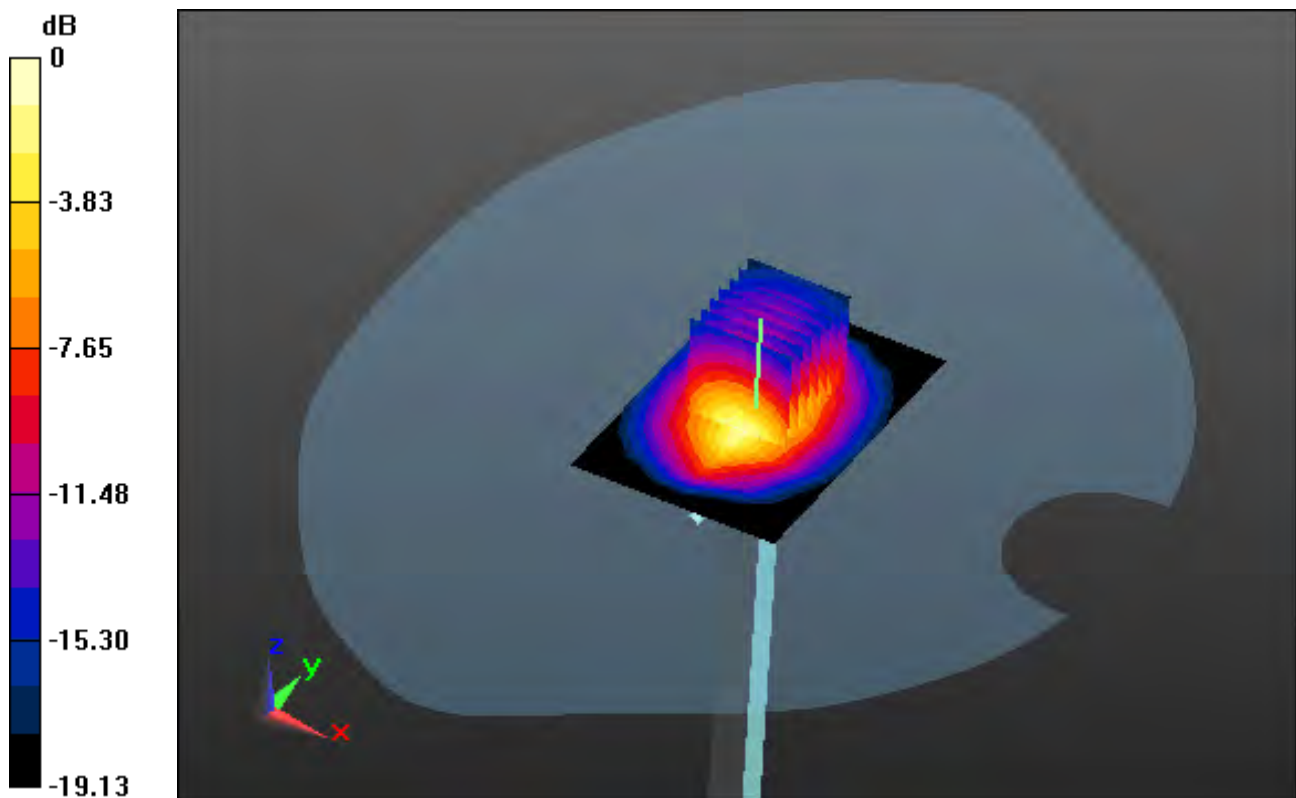
Area Scan (5x7x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.02 dB

Peak SAR (extrapolated) = 6.52 W/kg

SAR(1 g) = 4.03 W/kg; SAR(10 g) = 2.11 W/kg



0 dB = 5.40 W/kg

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; $\sigma = 1.844$ S/m; $\epsilon_r = 40.209$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(7.45, 7.45, 7.45); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM-twin right_2013_09_24; Type: QD000P40CD; Serial: TP:1783
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-08-23; Ambient Temp: 21.3; Tissue Temp: 21.5

2450 MHz System Head Verification (100 mW)

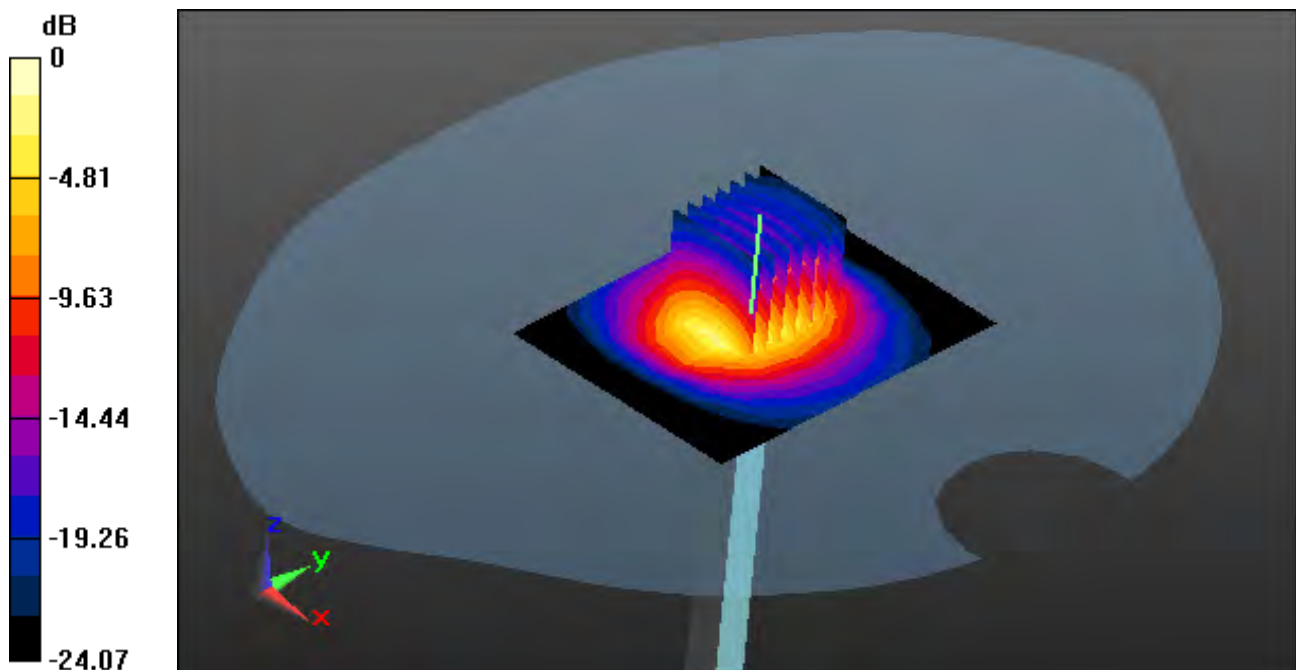
Area Scan (7x9x1): Measurement grid: dx=12mm, dy=12mm

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

Power Drift = 0.17 dB

Peak SAR (extrapolated) = 12.1 W/kg

SAR(1 g) = 5.11 W/kg; SAR(10 g) = 2.42 W/kg



0 dB = 9.83 W/kg

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; $\sigma = 1.903$ S/m; $\epsilon_r = 50.887$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(7.4, 7.4, 7.4); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM-twin middle_2013_09_24; Type: QD000P40CD; Serial: TP:1782
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-08-22; Ambient Temp: 21.2; Tissue Temp: 21.0

2450 MHz System Body Verification (100 mW)

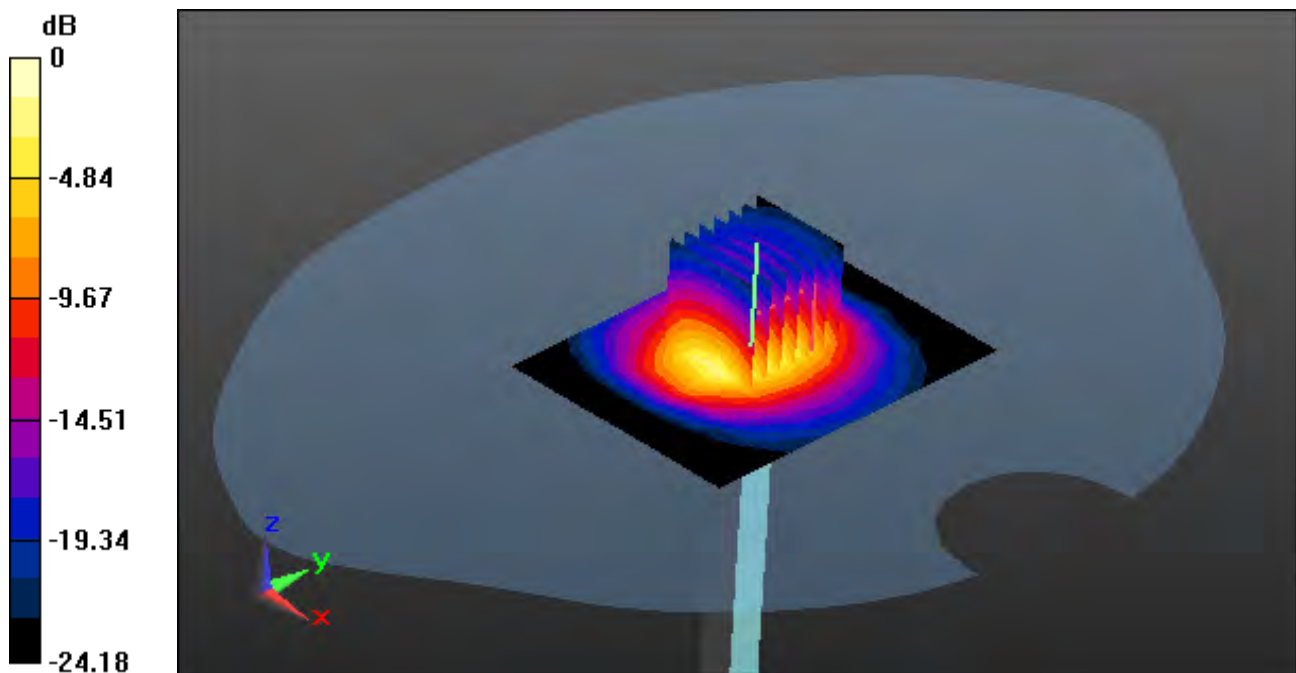
Area Scan (7x9x1): Measurement grid: dx=12mm, dy=12mm

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

Power Drift = -0.00 dB

Peak SAR (extrapolated) = 9.93 W/kg

SAR(1 g) = 4.93 W/kg; SAR(10 g) = 2.31 W/kg



0 dB = 9.35 W/kg

DT&C Co., Ltd.

DUT: Dipole 2600 MHz; Type: D2600V2; Serial: D2600V2 - SN:1103

Communication System: UID 0, CW (0); Frequency: 2600 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2600$ MHz; $\sigma = 2.017$ S/m; $\epsilon_r = 38.688$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: ES3DV3 - SN3328; ConvF(4.6, 4.6, 4.6); Calibrated: 3/21/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (Mechanical Surface Detection)

Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786

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

Test Date: 2018-08-17; Ambient Temp: 20.7; Tissue Temp: 21.5

2600 MHz System Head Verification (100mW)

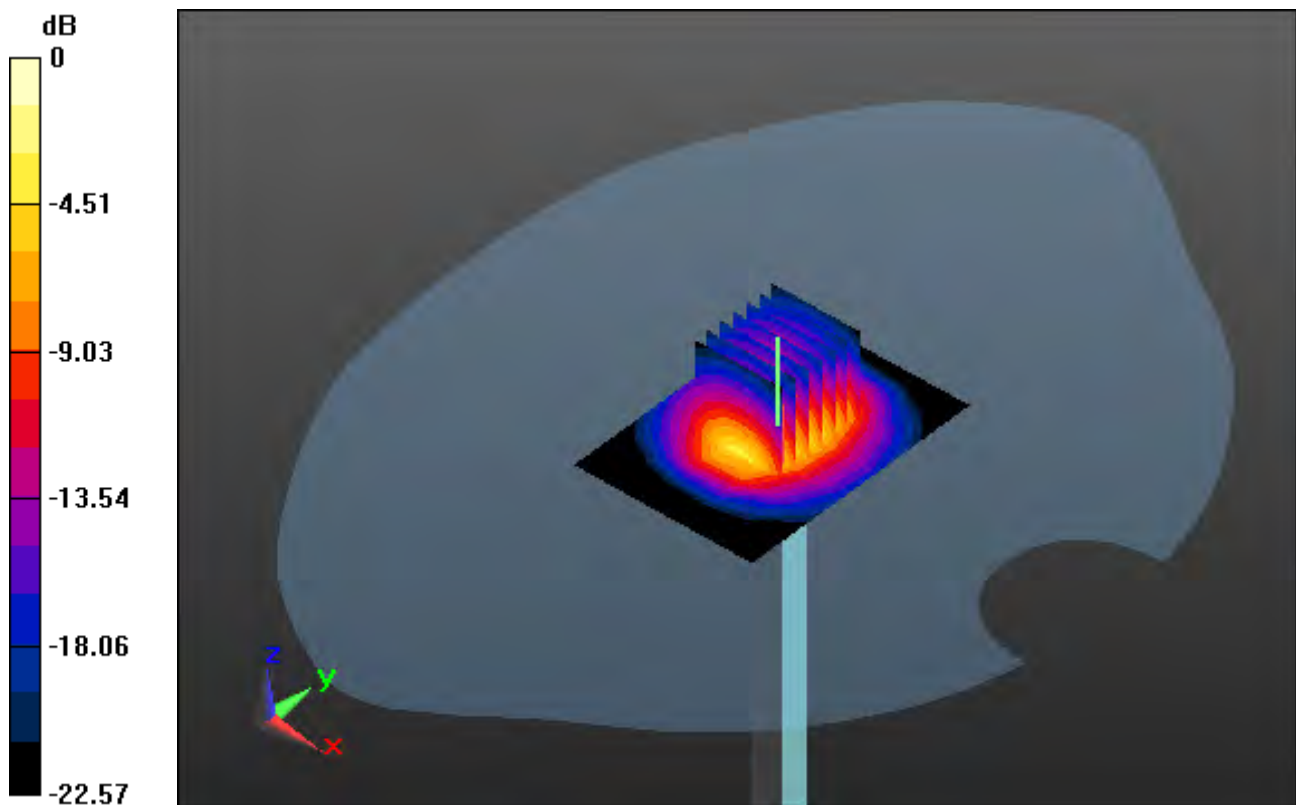
Area Scan (6x8x1): Measurement grid: dx=12mm, dy=12mm

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

Power Drift = 0.04 dB

Peak SAR (extrapolated) = 9.18 W/kg

SAR(1 g) = 5.46 W/kg; SAR(10 g) = 2.46 W/kg



0 dB = 7.38 W/kg

DT&C Co., Ltd.

DUT: Dipole 2600 MHz; Type: D2600V2; Serial: D2600V2 - SN:1103

Communication System: UID 0, CW (0); Frequency: 2600 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2600$ MHz; $\sigma = 2.1$ S/m; $\epsilon_r = 50.411$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: ES3DV3 - SN3328; ConvF(4.32, 4.32, 4.32); Calibrated: 3/21/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-08-20; Ambient Temp: 20.2; Tissue Temp: 20.9

2600 MHz System Body Verification (100mW)

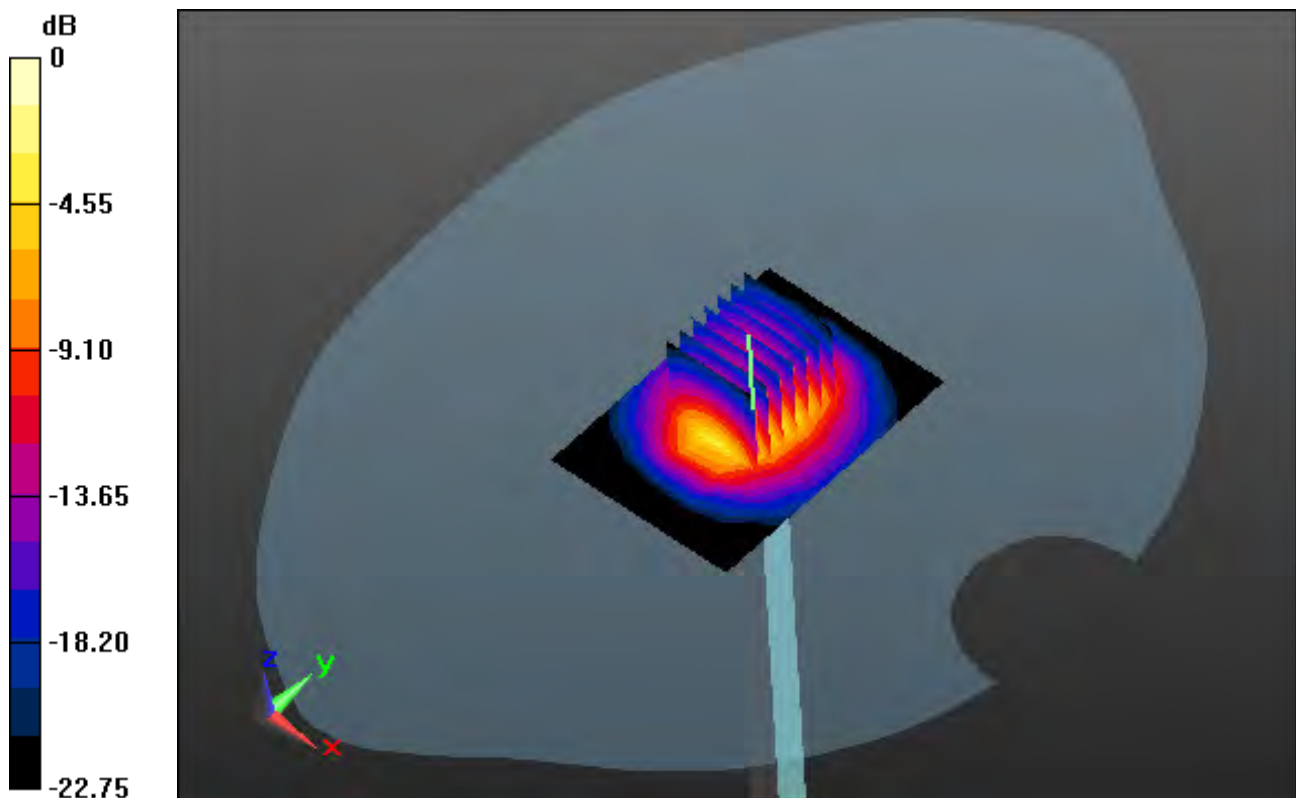
Area Scan (6x8x1): Measurement grid: dx=12mm, dy=12mm

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

Power Drift = 0.05 dB

Peak SAR (extrapolated) = 9.58 W/kg

SAR(1 g) = 5.58 W/kg; SAR(10 g) = 2.56 W/kg



0 dB = 7.49 W/kg

DT&C Co., Ltd.

DUT: Dipole 2600 MHz; Type: D2600V2; Serial: D2600V2 - SN:1103

Communication System: UID 0, CW (0); Frequency: 2600 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2600$ MHz; $\sigma = 2.017$ S/m; $\epsilon_r = 37.858$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: ES3DV3 - SN3328; ConvF(4.6, 4.6, 4.6); Calibrated: 3/21/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-08-23; Ambient Temp: 20.6; Tissue Temp: 21.3

2600 MHz System Head Verification (100mW)

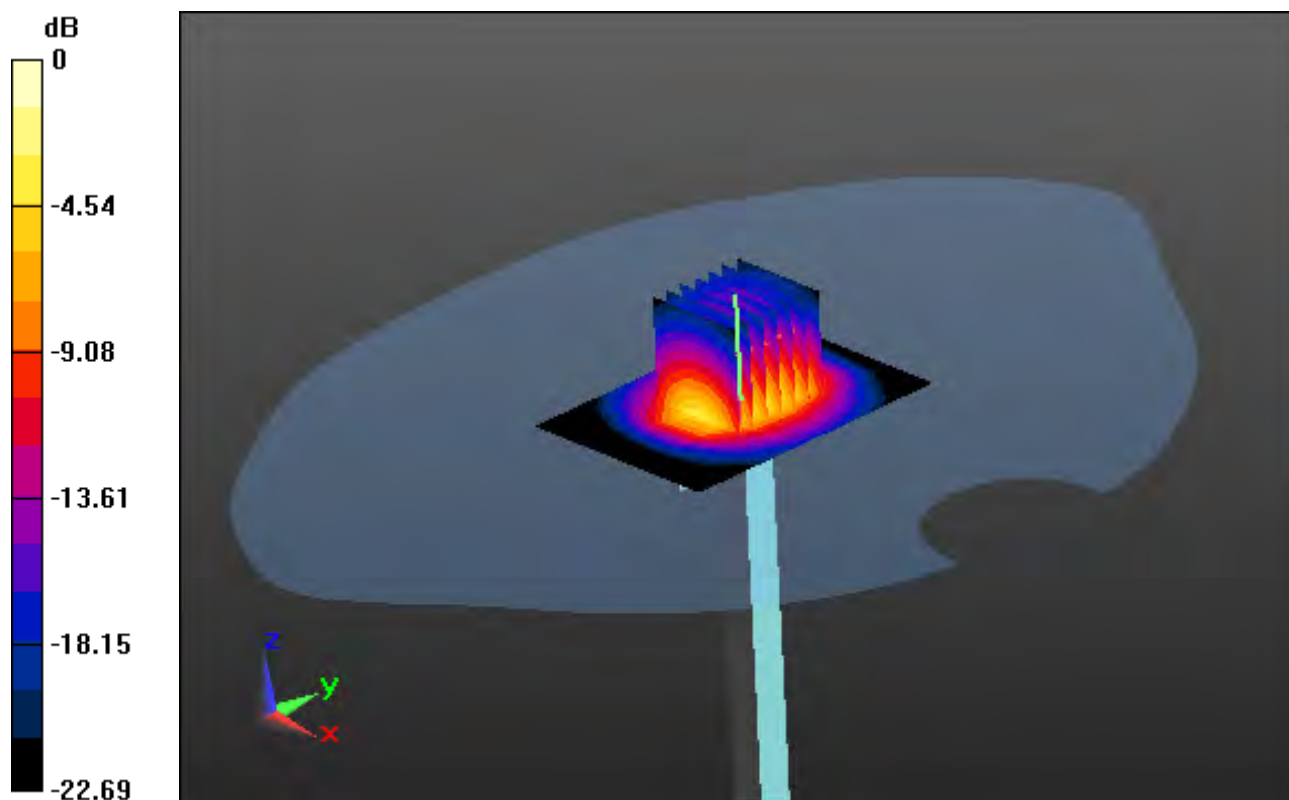
Area Scan (6x8x1): Measurement grid: dx=12mm, dy=12mm

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

Power Drift = 0.06 dB

Peak SAR (extrapolated) = 9.13 W/kg

SAR(1 g) = 5.37 W/kg; SAR(10 g) = 2.42 W/kg



0 dB = 7.25 W/kg

DT&C Co., Ltd.

DUT: Dipole 2600 MHz; Type: D2600V2; Serial: D2600V2 - SN:1103

Communication System: UID 0, CW (0); Frequency: 2600 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2600$ MHz; $\sigma = 2.123$ S/m; $\epsilon_r = 51.375$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: ES3DV3 - SN3328; ConvF(4.32, 4.32, 4.32); Calibrated: 3/21/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-08-24; Ambient Temp: 20.4; Tissue Temp: 21.2

2600 MHz System Body Verification (100mW)

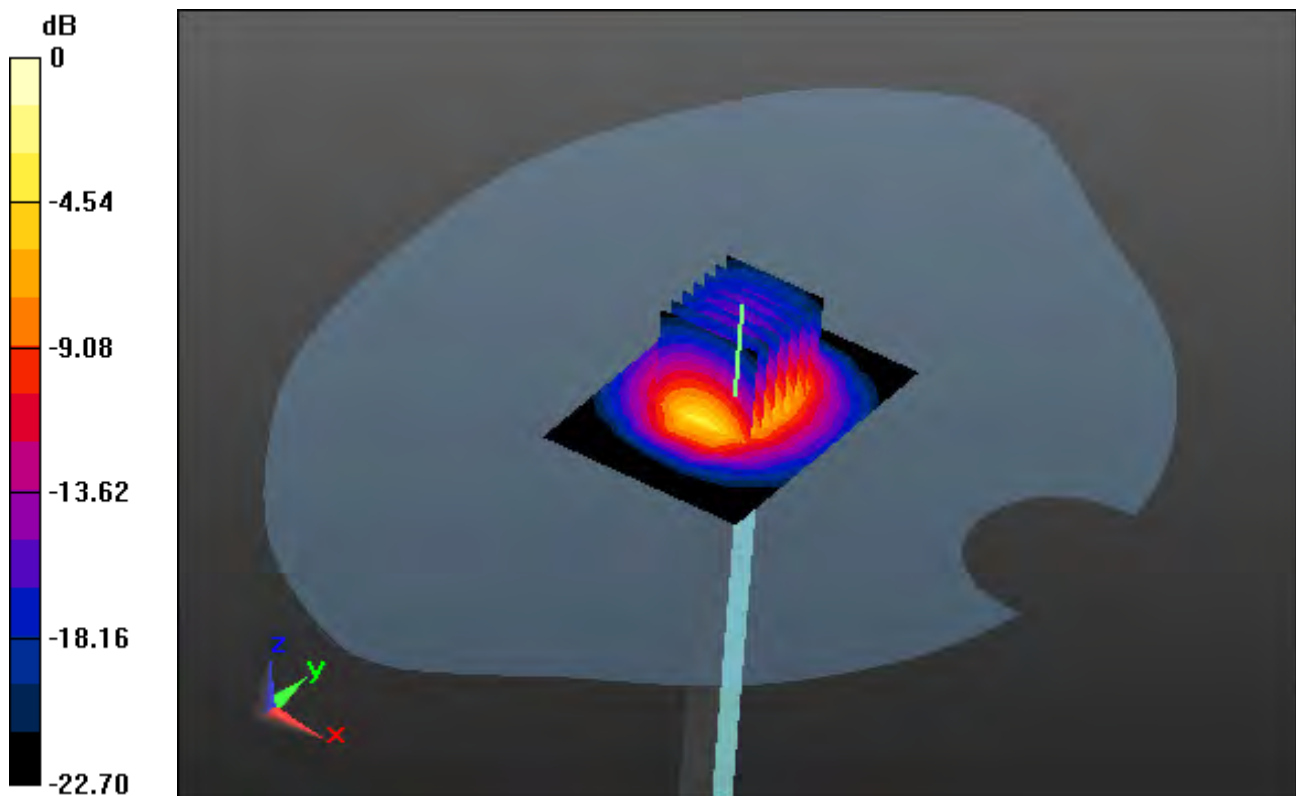
Area Scan (6x8x1): Measurement grid: dx=12mm, dy=12mm

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

Power Drift = 0.02 dB

Peak SAR (extrapolated) = 9.05 W/kg

SAR(1 g) = 5.32 W/kg; SAR(10 g) = 2.38 W/kg



0 dB = 7.24 W/kg

DT&C Co., Ltd.

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

Communication System: UID 0, CW; Frequency: 5200 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5200$ MHz; $\sigma = 5.486$ S/m; $\epsilon_r = 48.24$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(4.69, 4.69, 4.69); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM-twin middle_2013_09_24; Type: QD000P40CD; Serial: 1782
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-08-21; Ambient Temp: 21.0; Tissue Temp: 21.5

5200 MHz System Body Verification (100 mW)

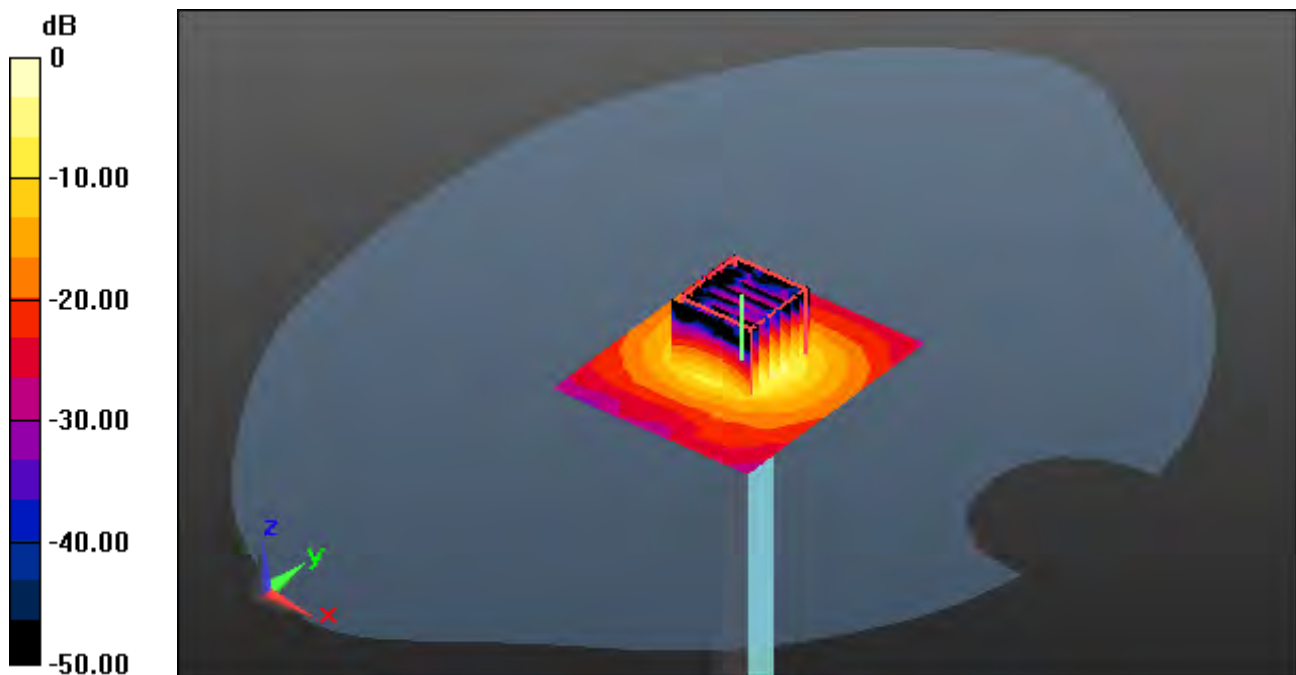
Area Scan (7x8x1): Measurement grid: dx=10mm, dy=10mm

Zoom Scan (7x7x11)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4

Power Drift = 0.05 dB

Peak SAR (extrapolated) = 30.1 W/kg

SAR(1 g) = 7.02 W/kg; SAR(10 g) = 1.95 W/kg



0 dB = 15.2 W/kg

DT&C Co., Ltd.

DUT: Dipole D5GHzV2; 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; $\sigma = 4.908$ S/m; $\epsilon_r = 35.004$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(4.95, 4.95, 4.95); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM-twin right_2013_09_24; Type: QD000P40CD; Serial: TP:1783
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-08-11; Ambient Temp: 21.1; Tissue Temp: 20.9

5300 MHz System Head Verification (100 mW)

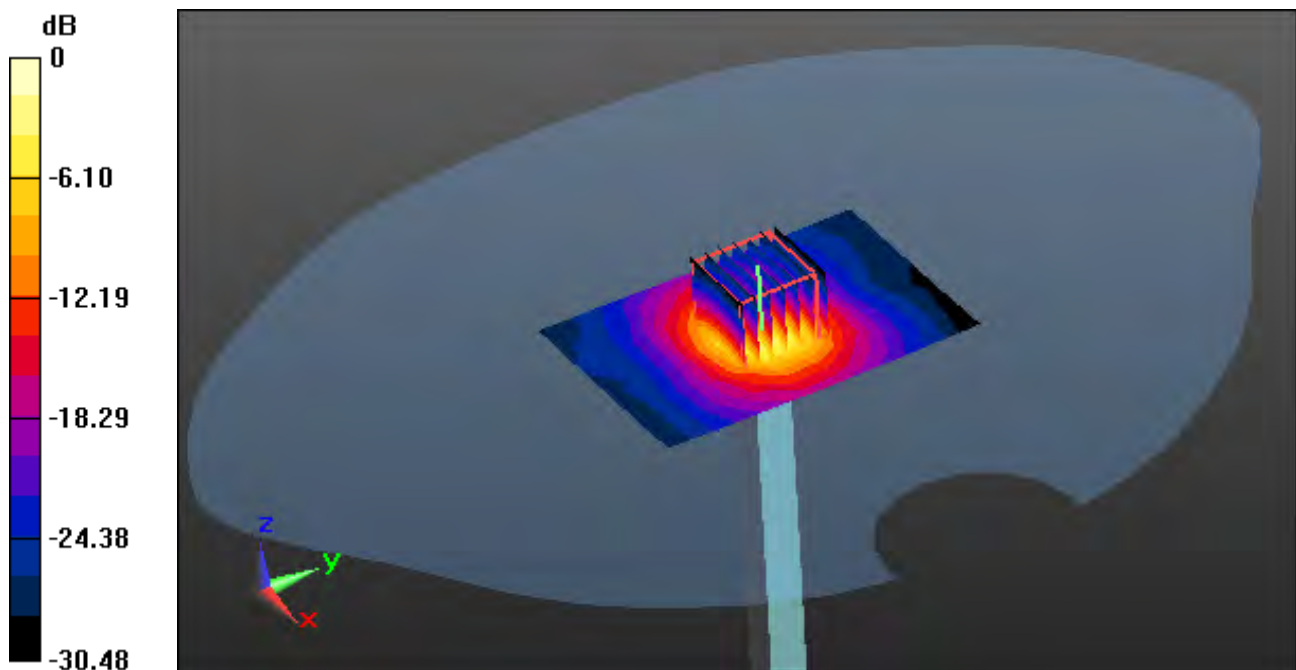
Area Scan (7x10x1): Measurement grid: dx=10mm, dy=10mm

Zoom Scan (7x7x11)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4

Power Drift = -0.04 dB

Peak SAR (extrapolated) = 36.3 W/kg

SAR(1 g) = 8.01 W/kg; SAR(10 g) = 2.25 W/kg



0 dB = 18.4 W/kg

DT&C Co., Ltd.

DUT: Dipole D5GHzV2; 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; $\sigma = 5.608$ S/m; $\epsilon_r = 47.857$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(4.5, 4.5, 4.5); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Phantom: SAM-twin middle_2013_09_24; Type: QD000P40CD; Serial: 1782
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-08-20; Ambient Temp: 20.7; Tissue Temp: 21.4

5300 MHz System Body Verification (100 mW)

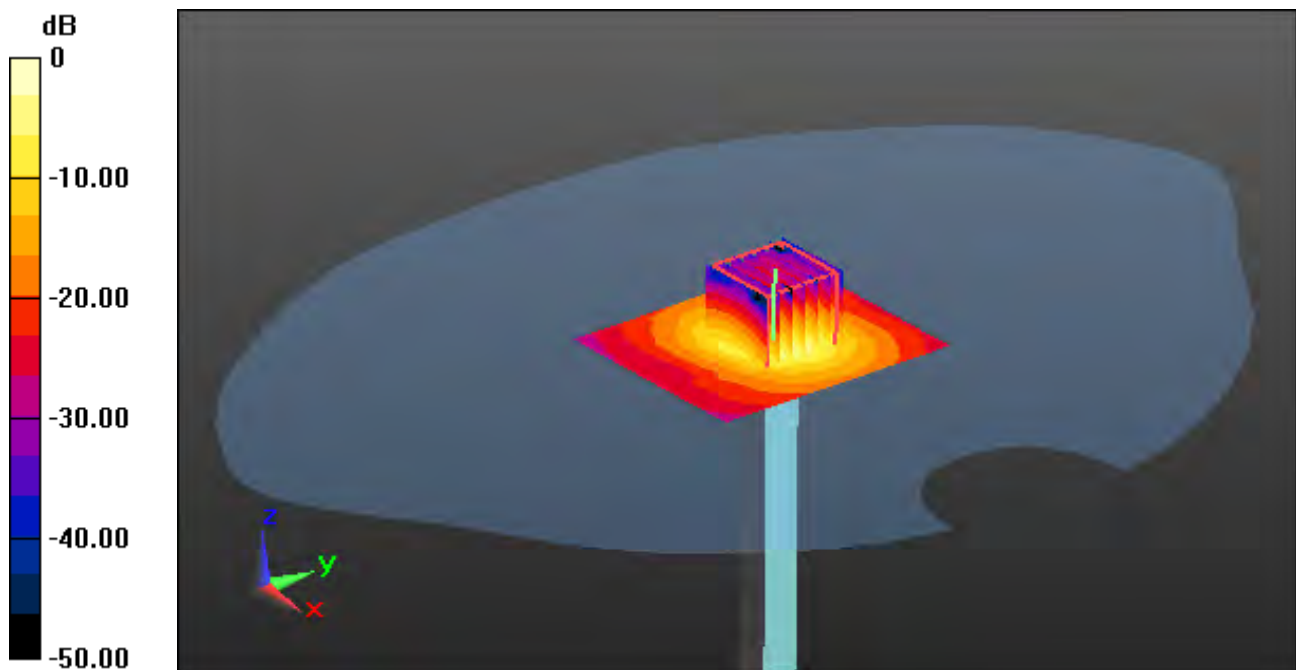
Area Scan (7x8x1): Measurement grid: dx=10mm, dy=10mm

Zoom Scan (7x7x11)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4

Power Drift = 0.08 dB

Peak SAR (extrapolated) = 32.1 W/kg

SAR(1 g) = 7.29 W/kg; SAR(10 g) = 2.01 W/kg



0 dB = 16.3 W/kg

DT&C Co., Ltd.

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

Communication System: UID 0, CW (0); Frequency: 5500 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5500$ MHz; $\sigma = 5.077$ S/m; $\epsilon_r = 35.917$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(4.61, 4.61, 4.61); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM-twin right_2013_09_24; Type: QD000P40CD; Serial: TP:1783
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-08-14; Ambient Temp: 21.6; Tissue Temp: 21.2

5500 MHz System Head Verification (100 mW)

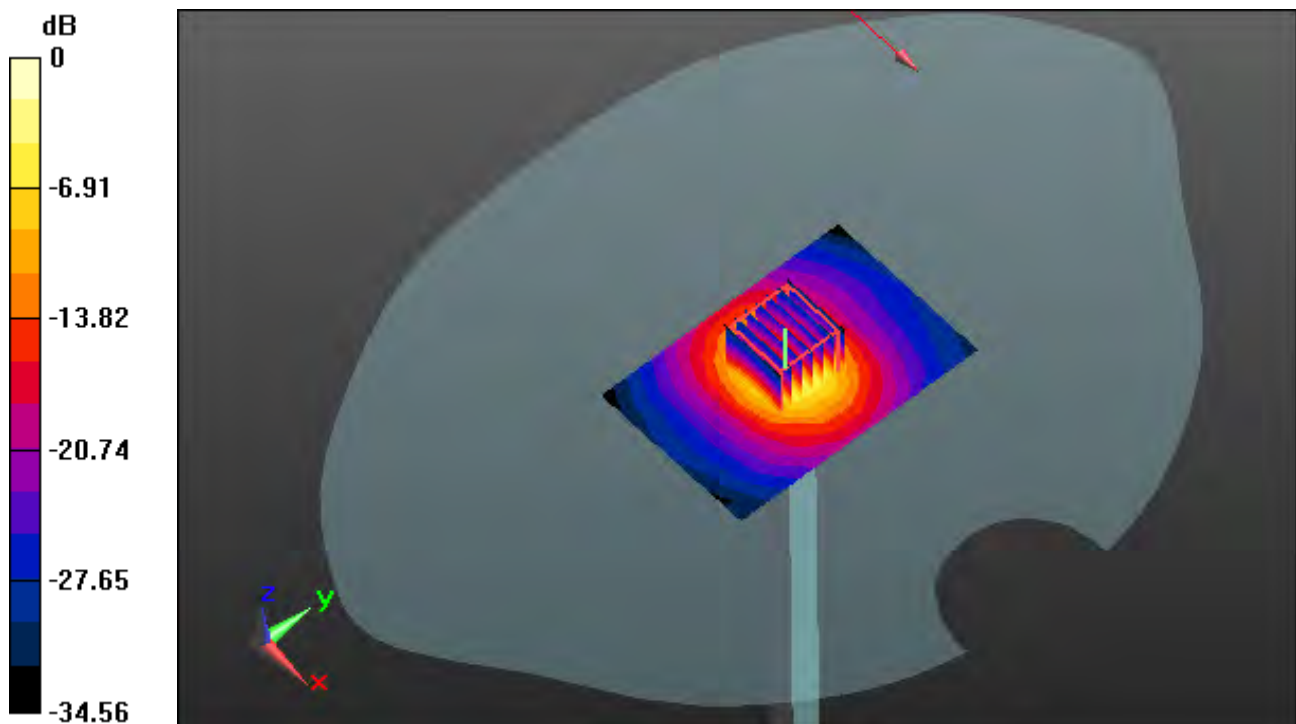
Area Scan (7x8x1): Measurement grid: dx=10mm, dy=10mm

Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4

Power Drift = -0.07 dB

Peak SAR (extrapolated) = 38.3 W/kg

SAR(1 g) = 8.41 W/kg; SAR(10 g) = 2.32 W/kg



0 dB = 19.5 W/kg

DT&C Co., Ltd.

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

Communication System: UID 0, CW (0); Frequency: 5500 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5500$ MHz; $\sigma = 5.801$ S/m; $\epsilon_r = 47.24$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(3.95, 3.95, 3.95); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM-twin middle_2013_09_24; Type: QD000P40CD; Serial: 1782
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-08-17; Ambient Temp: 21.7; Tissue Temp: 21.3

5500 MHz System Body Verification (100 mW)

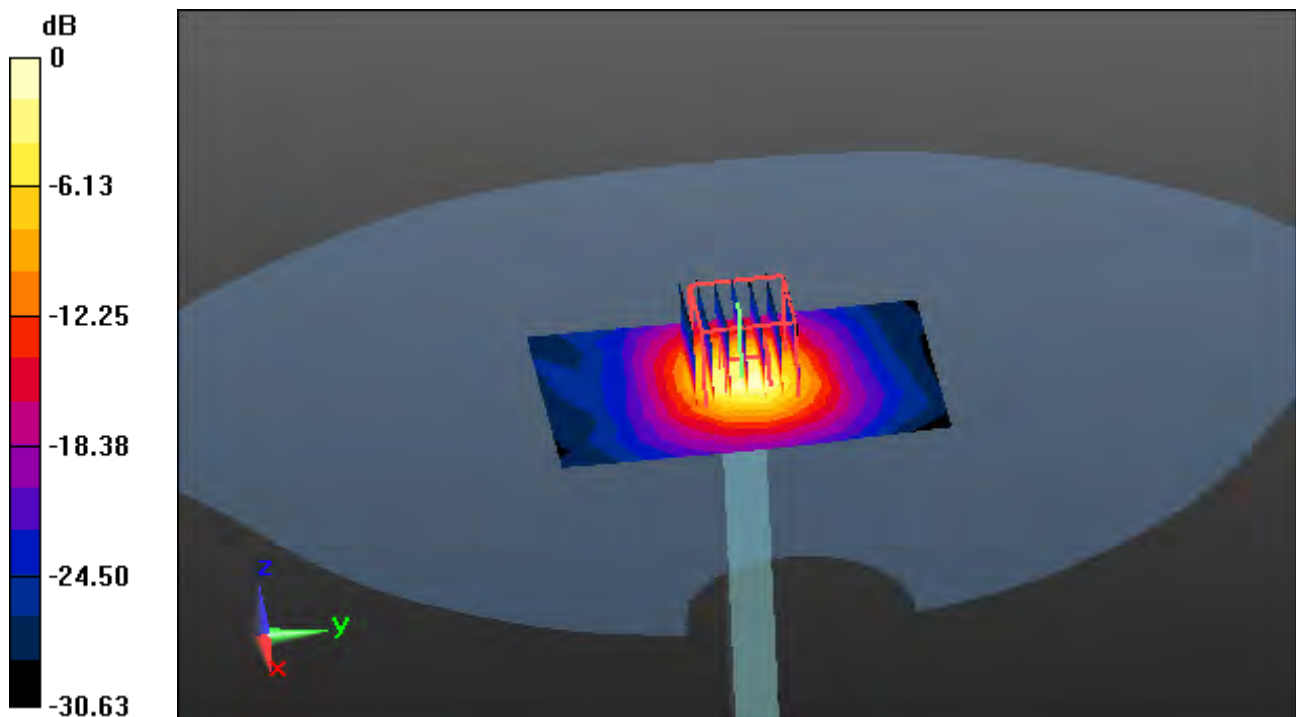
Area Scan (7x10x1): Measurement grid: dx=10mm, dy=10mm

Zoom Scan (7x7x11)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4

Power Drift = 0.11 dB

Peak SAR (extrapolated) = 34.7 W/kg

SAR(1 g) = 8.07 W/kg; SAR(10 g) = 2.21 W/kg



0 dB = 16.5 W/kg

DT&C Co., Ltd.

DUT: Dipole D5GHzV2; 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; $\sigma = 5.19$ S/m; $\epsilon_r = 35.752$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(4.52, 4.52, 4.52); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM-twin right_2013_09_24; Type: QD000P40CD; Serial: TP:1783
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-08-14; Ambient Temp: 21.6; Tissue Temp: 21.2

5600 MHz System Head Verification (100 mW)

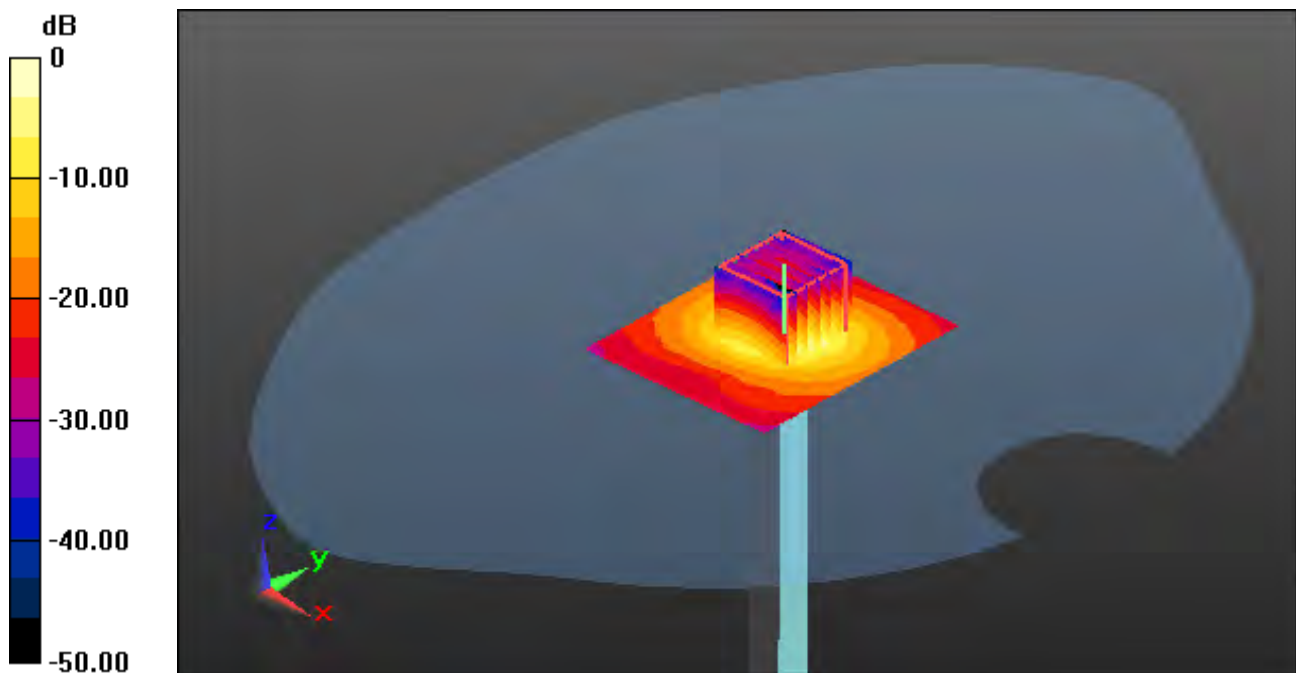
Area Scan (7x8x1): Measurement grid: dx=10mm, dy=10mm

Zoom Scan (7x7x11)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4

Power Drift = 0.01 dB

Peak SAR (extrapolated) = 36.2 W/kg

SAR(1 g) = 8.14 W/kg; SAR(10 g) = 2.33 W/kg



0 dB = 19.2 W/kg

DT&C Co., Ltd.

DUT: Dipole D5GHzV2; 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; $\sigma = 5.945$ S/m; $\epsilon_r = 47.053$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(3.87, 3.87, 3.87); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM-twin middle_2013_09_24; Type: QD000P40CD; Serial: 1782
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-08-17; Ambient Temp: 21.7; Tissue Temp: 21.3

5600 MHz System Body Verification (100 mW)

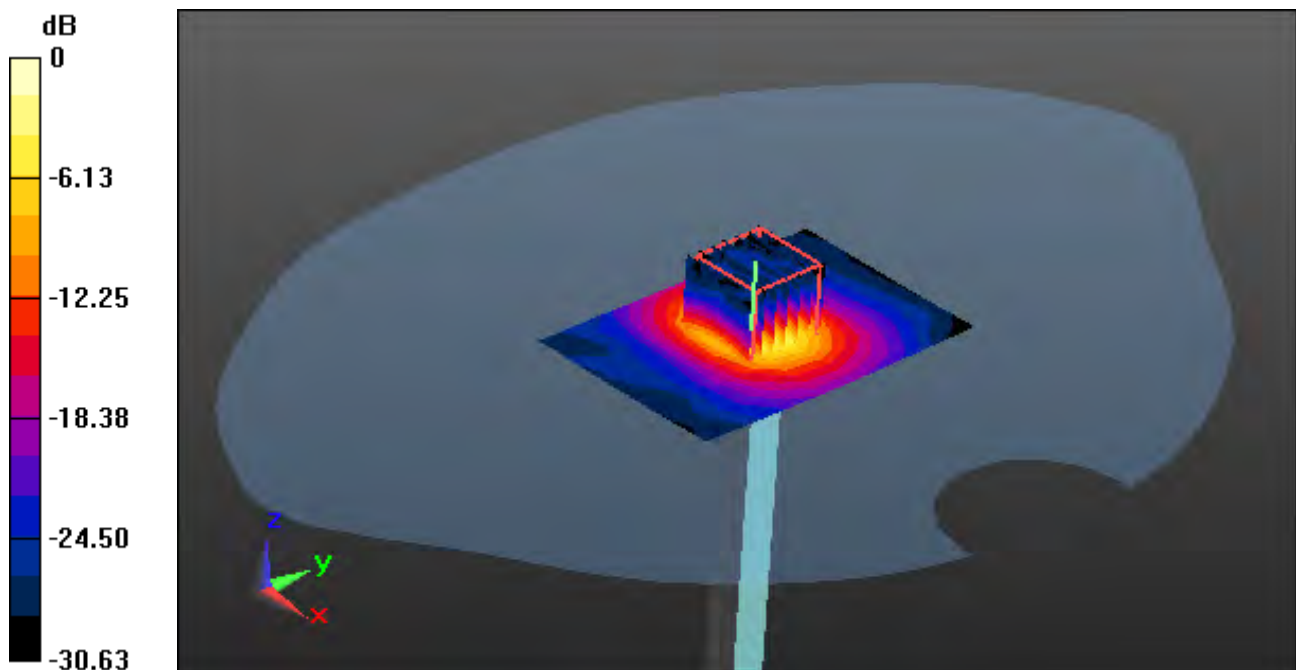
Area Scan (7x10x1): Measurement grid: dx=10mm, dy=10mm

Zoom Scan (7x7x11)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4

Power Drift = 0.02 dB

Peak SAR (extrapolated) = 34.8 W/kg

SAR(1 g) = 7.78 W/kg; SAR(10 g) = 2.13 W/kg



0 dB = 16.7 W/kg

DT&C Co., Ltd.

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

Communication System: UID 0, CW (0); Frequency: 5800 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5800$ MHz; $\sigma = 5.337$ S/m; $\epsilon_r = 34.945$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(4.69, 4.69, 4.69); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM-twin right_2013_09_24; Type: QD000P40CD; Serial: TP:1783
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-08-13; Ambient Temp: 21.3; Tissue Temp: 21.5

5800 MHz System Head Verification (100 mW)

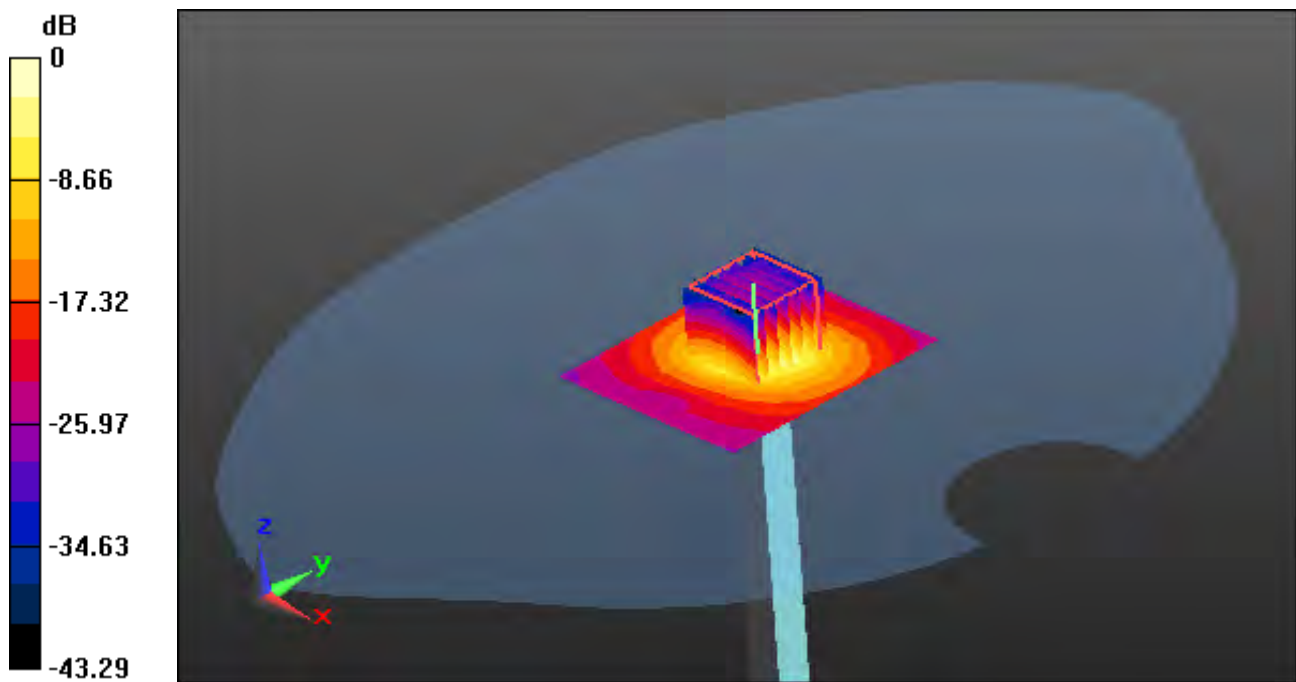
Area Scan (7x8x1): Measurement grid: dx=10mm, dy=10mm

Zoom Scan (7x7x11)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4

Power Drift = 0.13 dB

Peak SAR (extrapolated) = 34.5 W/kg

SAR(1 g) = 7.71 W/kg; SAR(10 g) = 2.15 W/kg



0 dB = 16.4 W/kg

DT&C Co., Ltd.

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

Communication System: UID 0, CW (0); Frequency: 5800 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5800$ MHz; $\sigma = 6.208$ S/m; $\epsilon_r = 46.567$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(4.16, 4.16, 4.16); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM-twin middle_2013_09_24; Type: QD000P40CD; Serial: 1782
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-08-16; Ambient Temp: 21.4; Tissue Temp: 21.6

5800 MHz System Body Verification (100 mW)

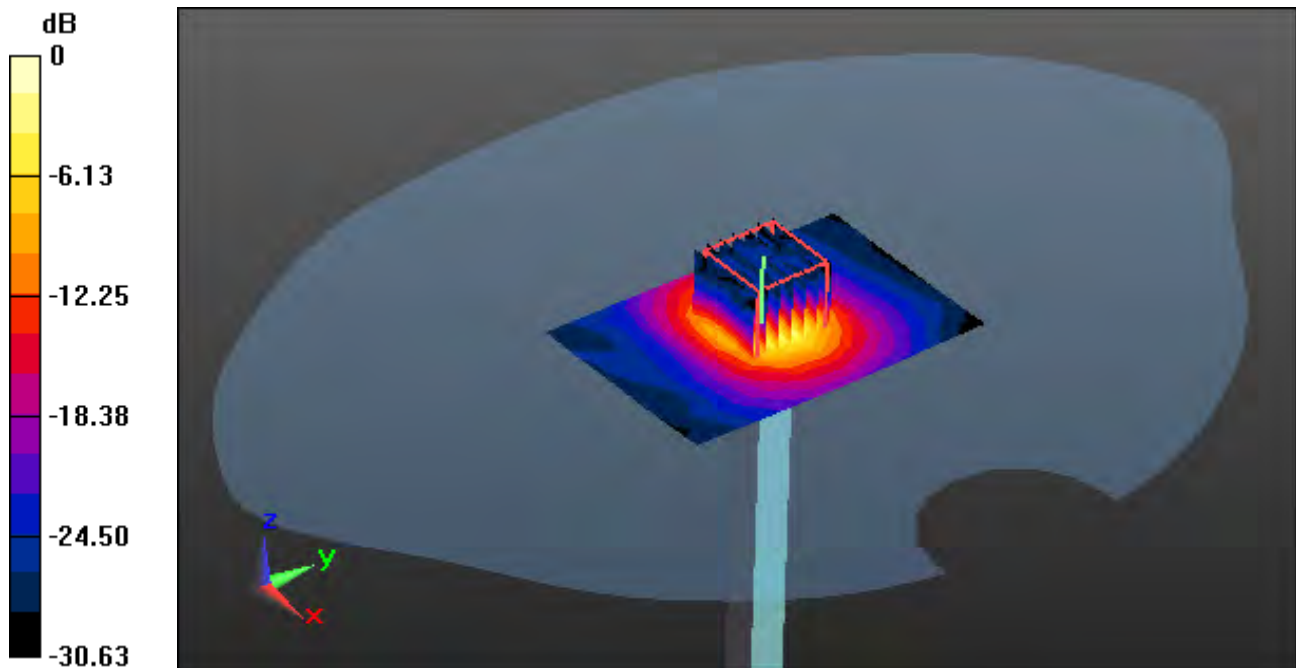
Area Scan (7x10x1): Measurement grid: dx=10mm, dy=10mm

Zoom Scan (7x7x11)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4

Power Drift = 0.19 dB

Peak SAR (extrapolated) = 33.2 W/kg

SAR(1 g) = 7.53 W/kg; SAR(10 g) = 2.03 W/kg



DT&C Co., Ltd.

DUT: LM-Q850FA; Type: Bar

Communication System: UID 0, GSM 850 (0); Frequency: 836.6 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.931 \text{ S/m}$; $\epsilon_r = 42.394$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Right Section

DASY5 Configuration:

Probe: ES3DV3 - SN3328; ConvF(6.35, 6.35, 6.35); Calibrated: 3/21/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-08-08; Ambient Temp: 20.5; Tissue Temp: 21.1

Right Touch, GSM850 Ch. 190, Ant Internal, Standard Battery

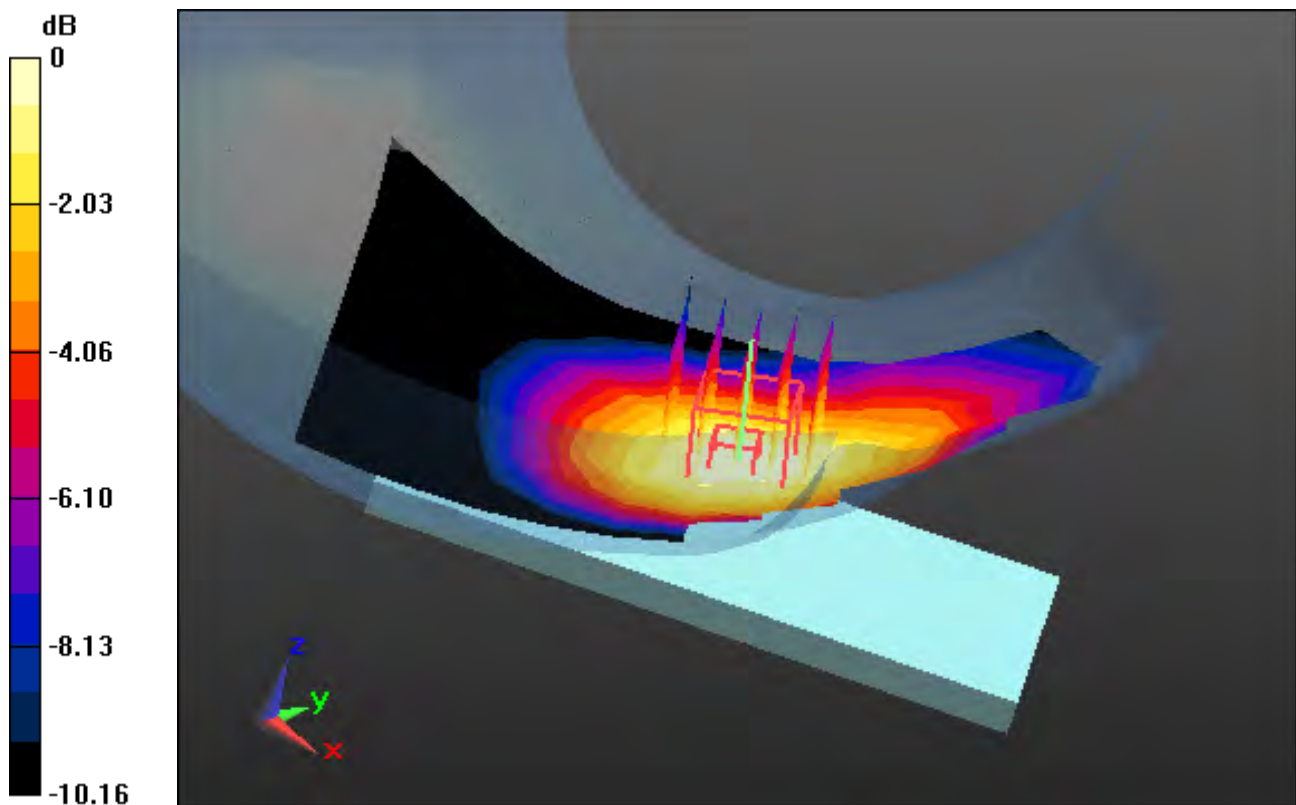
Area Scan (9x14x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.02 dB

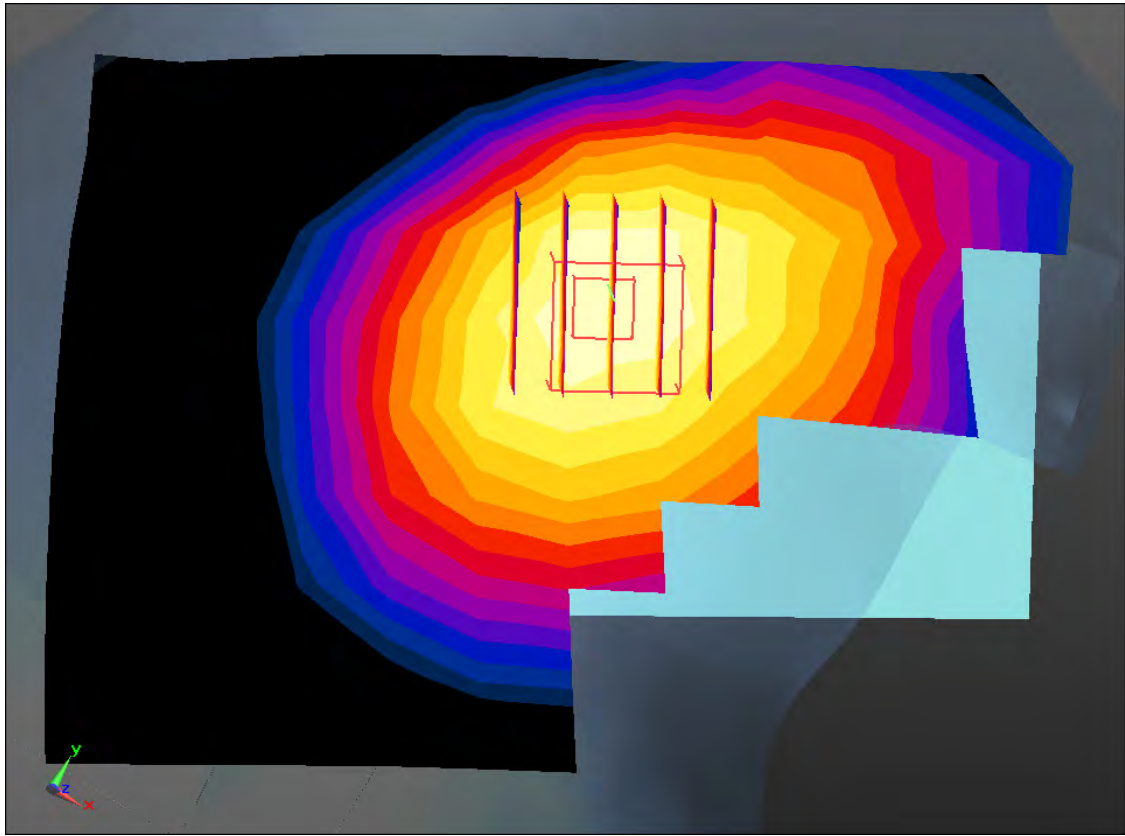
Peak SAR (extrapolated) = 0.188 W/kg

SAR(1 g) = 0.147 W/kg; SAR(10 g) = 0.112 W/kg



0 dB = 0.162 W/kg

A1



Enlarged Plot for A1

DT&C Co., Ltd.

DUT: LM-Q850FA; Type: Bar

Communication System: UID 0, GSM 850_12 (0); Frequency: 836.6 MHz; Duty Cycle: 1:2.075

Medium parameters used: $f = 836.6$ MHz; $\sigma = 0.931$ S/m; $\epsilon_r = 42.394$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY5 Configuration:

Probe: ES3DV3 - SN3328; ConvF(6.35, 6.35, 6.35); Calibrated: 3/21/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (Mechanical Surface Detection)

Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786

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

Test Date: 2018-08-08; Ambient Temp: 20.5; Tissue Temp: 21.1

Right Touch, GSM850 GPRS 4Tx Ch. 190, Ant Internal, Standard Battery

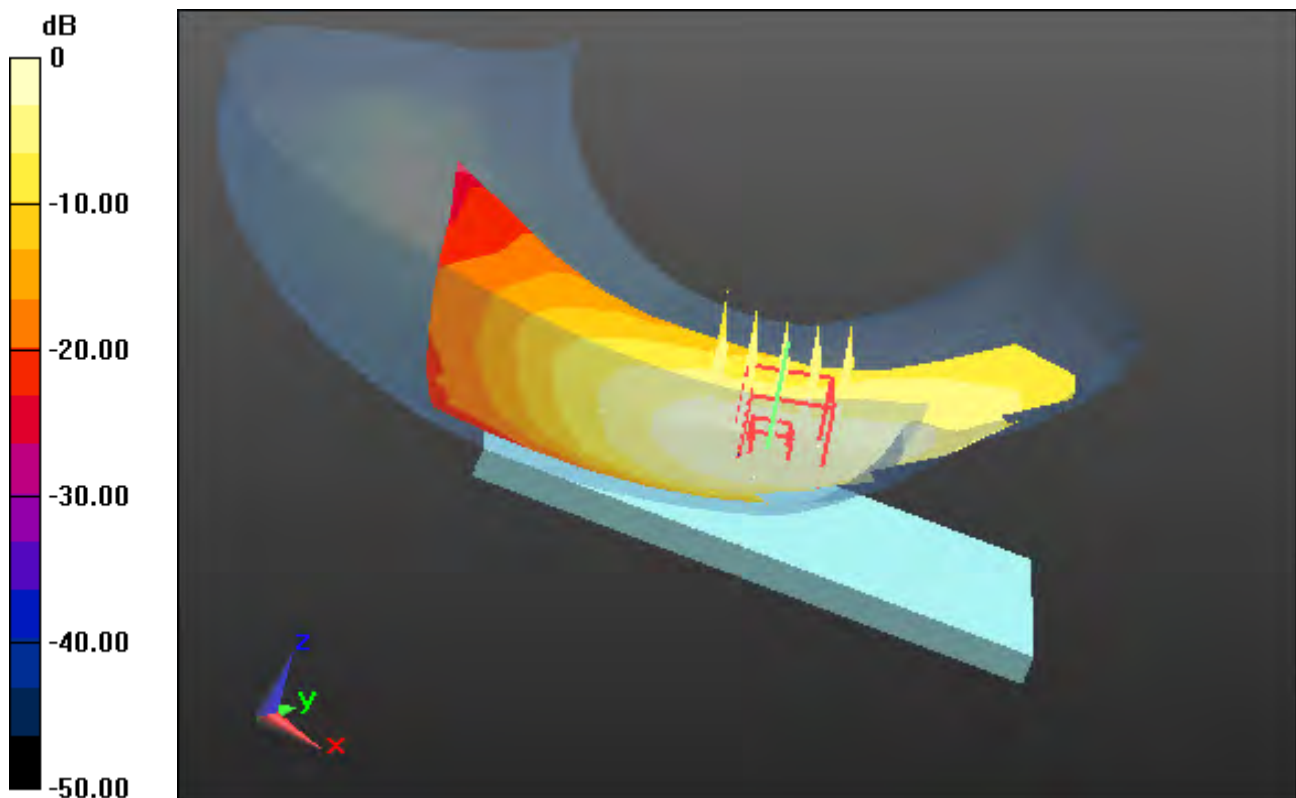
Area Scan (9x14x1): Measurement grid: dx=15mm, dy=15mm

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

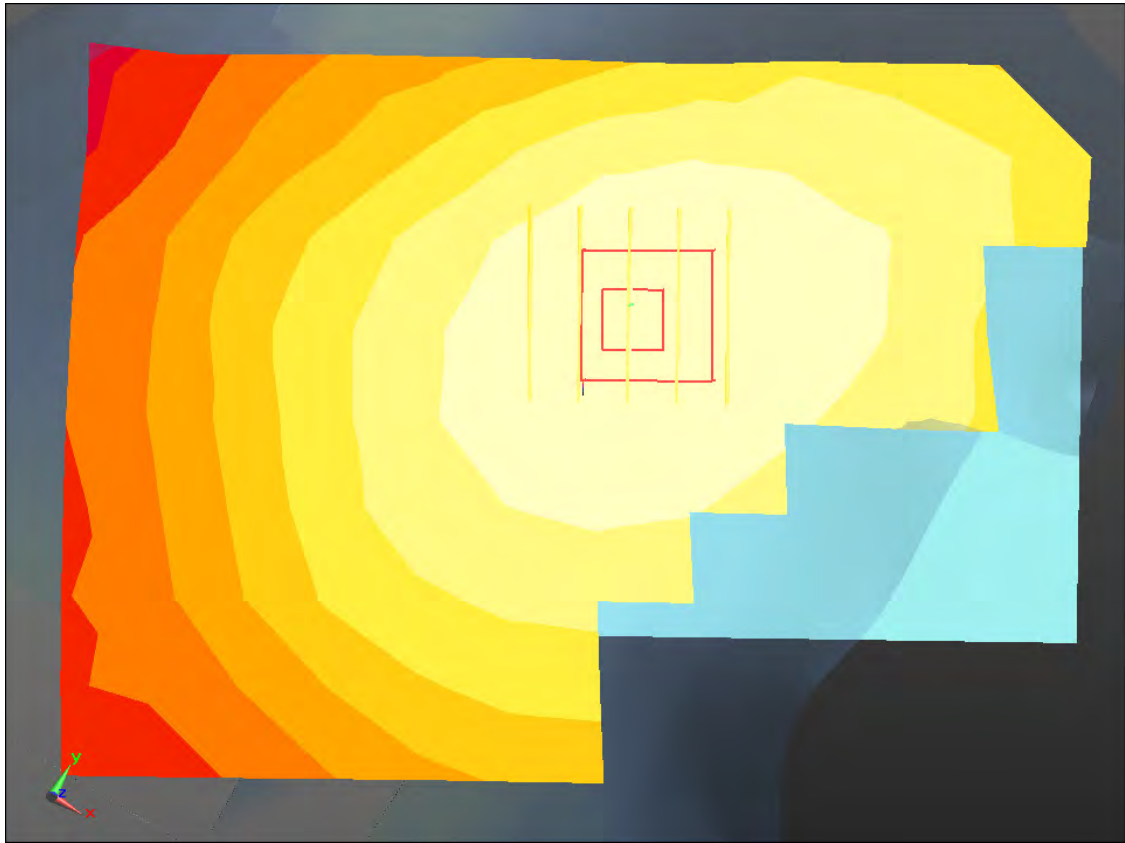
Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.277 W/kg

SAR(1 g) = 0.209 W/kg; SAR(10 g) = 0.149 W/kg



0 dB = 0.218 W/kg



Enlarged Plot for A2

DT&C Co., Ltd.

DUT: LM-Q850FA; Type: Bar

Communication System: UID 0, PCS 1900 (0); Frequency: 1880 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1880$ MHz; $\sigma = 1.406$ S/m; $\epsilon_r = 38.744$; $\rho = 1000$ kg/m³
Phantom section: Left Section

DASY5 Configuration:

Probe: ES3DV3 - SN3328; ConvF(5.26, 5.26, 5.26); Calibrated: 3/21/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-08-09; Ambient Temp: 20.7; Tissue Temp: 21.3

Left Touch, PCS1900 Ch. 661, Ant Internal, Standard Battery

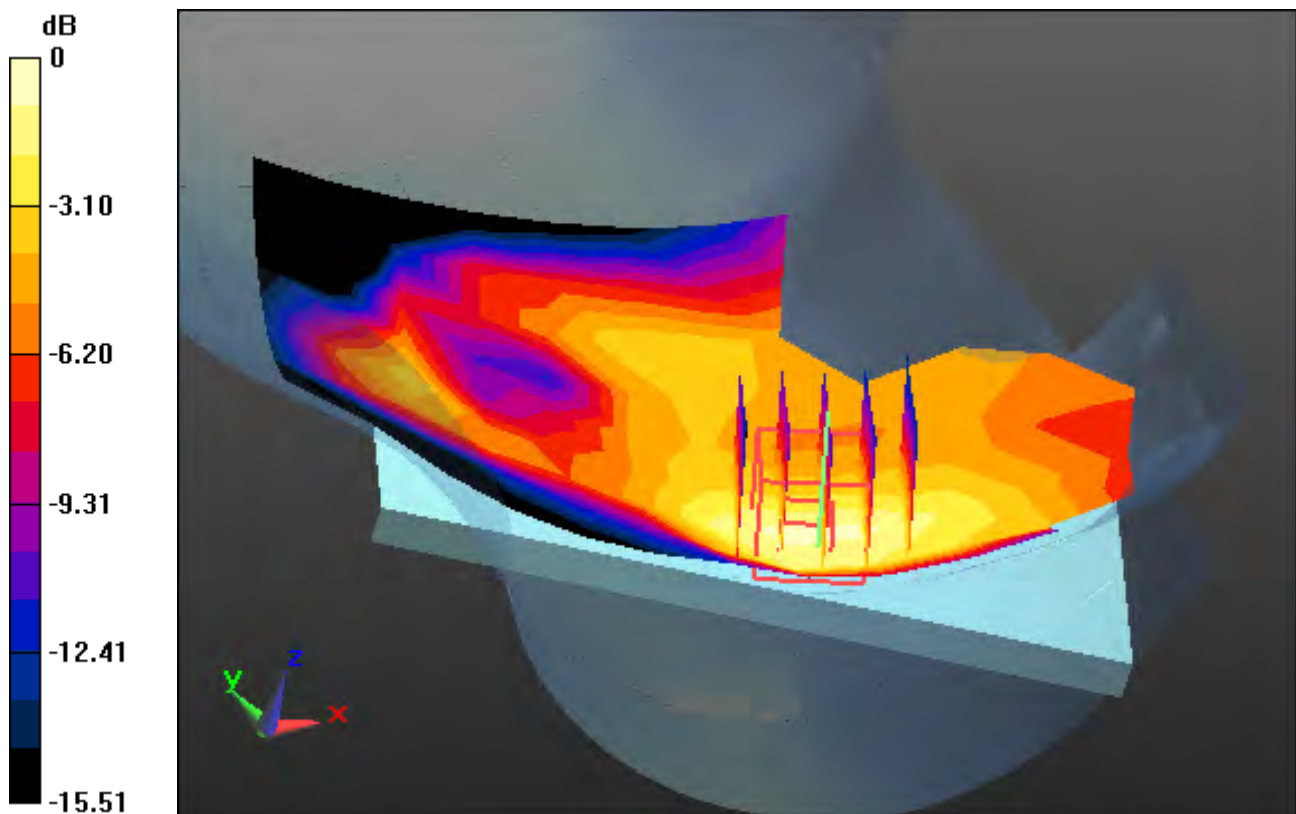
Area Scan (9x14x1): Measurement grid: dx=15mm, dy=15mm

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

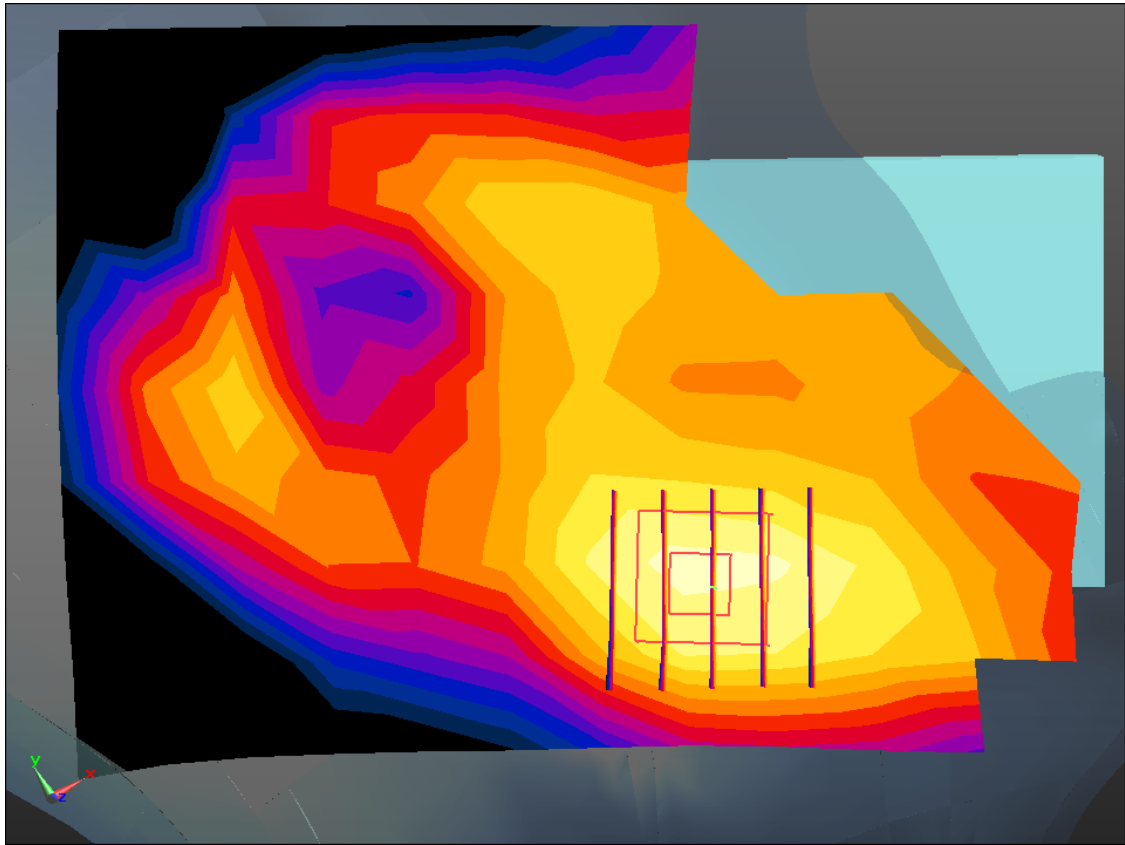
Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.140 W/kg

SAR(1 g) = 0.088 W/kg; SAR(10 g) = 0.055 W/kg



0 dB = 0.108 W/kg



Enlarged Plot for A3

DT&C Co., Ltd.

DUT: LM-Q850FA; Type: Bar

Communication System: UID 0, PCS1900_Class 10 (0); Frequency: 1880 MHz; Duty Cycle: 1:4.15
Medium parameters used: $f = 1880$ MHz; $\sigma = 1.406$ S/m; $\epsilon_r = 38.744$; $\rho = 1000$ kg/m³
Phantom section: Left Section

DASY5 Configuration:

Probe: ES3DV3 - SN3328; ConvF(5.26, 5.26, 5.26); Calibrated: 3/21/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-08-09; Ambient Temp: 20.7; Tissue Temp: 21.3

Left Touch, PCS1900 GPRS 2Tx Ch. 661, Ant Internal, Standard Battery

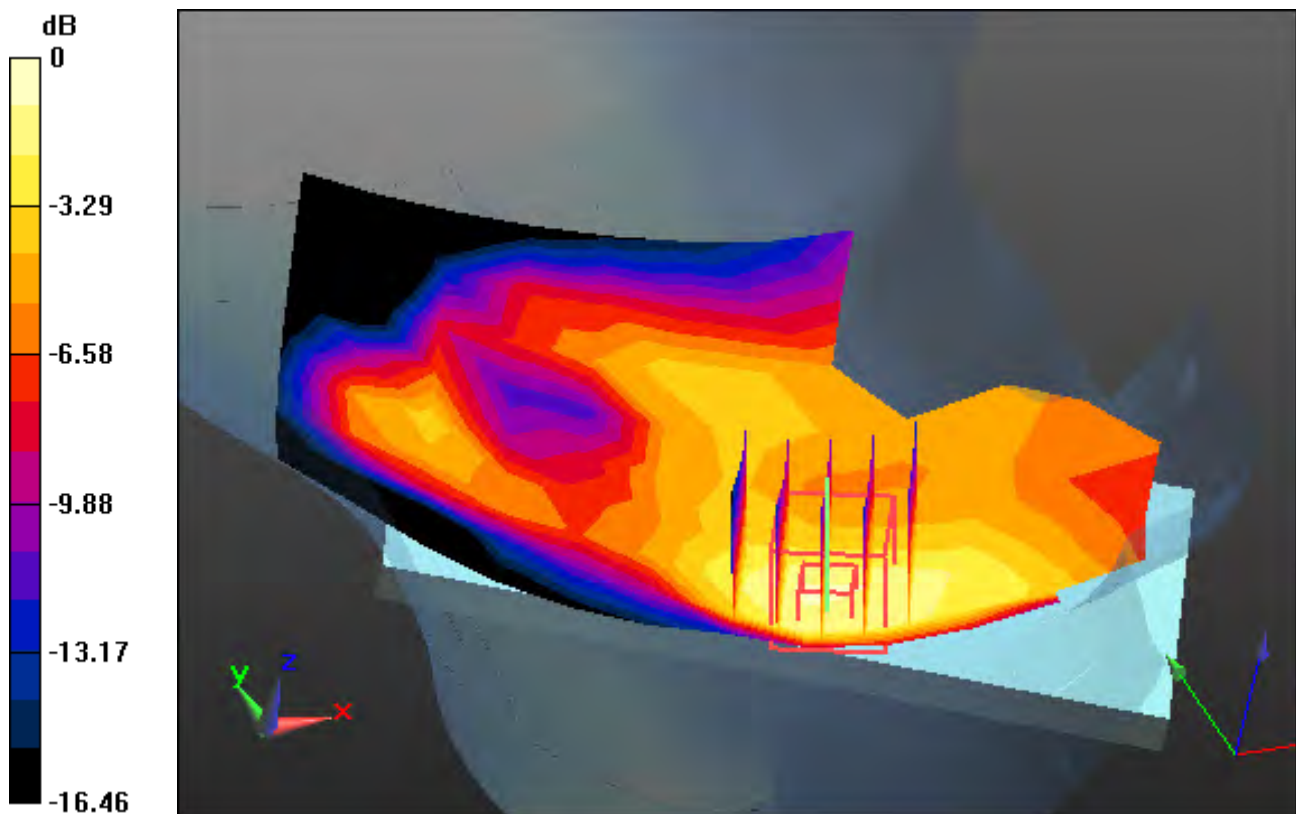
Area Scan (9x14x1): Measurement grid: dx=15mm, dy=15mm

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

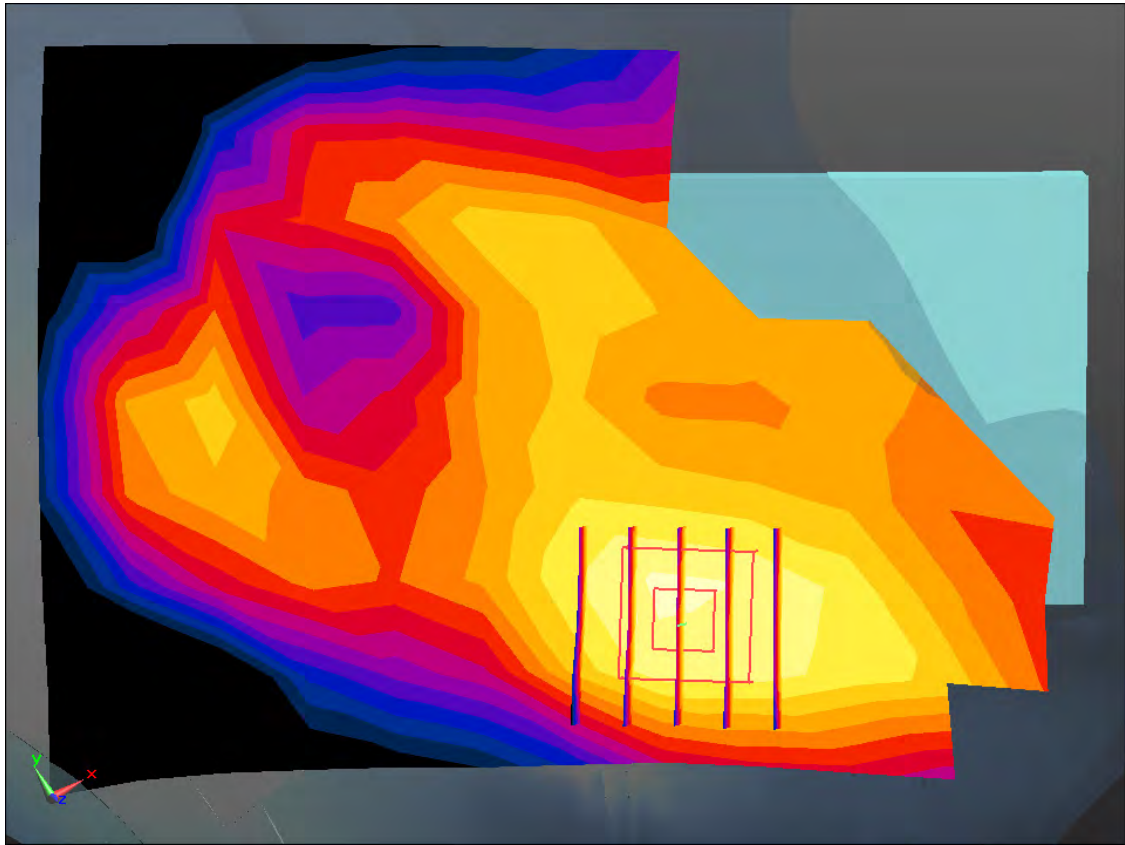
Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.267 W/kg

SAR(1 g) = 0.168 W/kg; SAR(10 g) = 0.103 W/kg



0 dB = 0.205 W/kg



Enlarged Plot for A4

DT&C Co., Ltd.

DUT: LM-Q850FA; Type: Bar

Communication System: UID 0, WCDMA 850 (0); Frequency: 836.6 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 836.6$ MHz; $\sigma = 0.931$ S/m; $\epsilon_r = 42.377$; $\rho = 1000$ kg/m³
Phantom section: Right Section

DASY5 Configuration:

Probe: ES3DV3 - SN3328; ConvF(6.35, 6.35, 6.35); Calibrated: 3/21/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-08-14; Ambient Temp: 21.0; Tissue Temp: 21.7

Right Touch, WCDMA Band 5 Ch. 4183, Ant Internal, Standard Battery

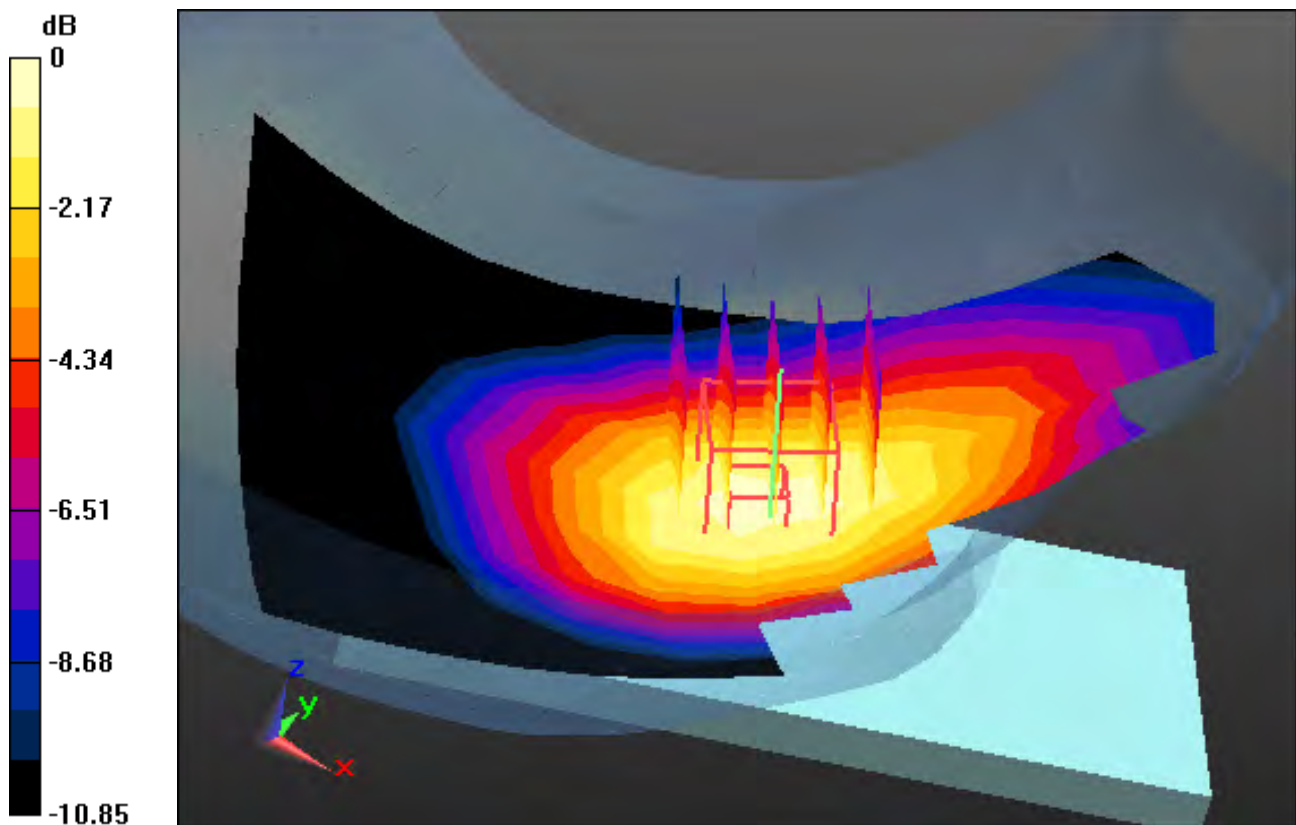
Area Scan (9x14x1): Measurement grid: dx=15mm, dy=15mm

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

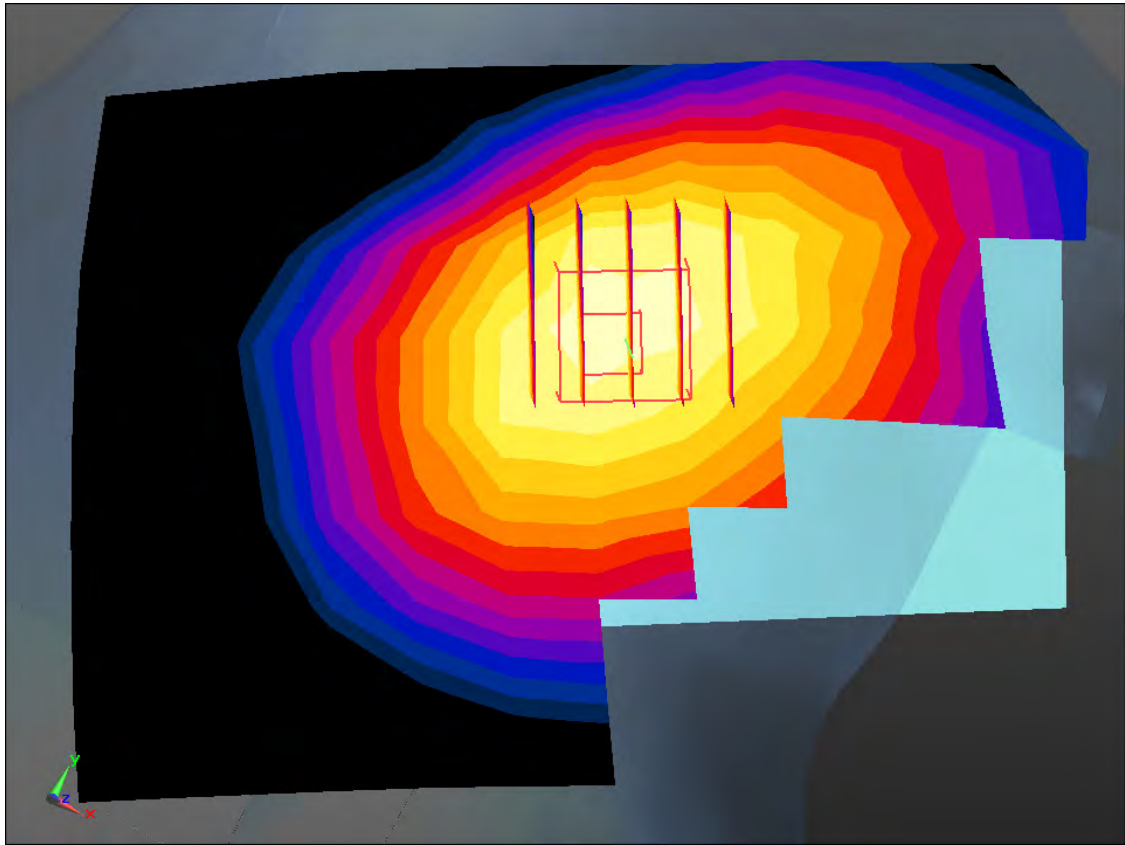
Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.272 W/kg

SAR(1 g) = 0.215 W/kg; SAR(10 g) = 0.159 W/kg



0 dB = 0.238 W/kg



Enlarged Plot for A5

DT&C Co., Ltd.

DUT: LM-Q850FA; Type: Bar

Communication System: UID 0, WCDMA Band 4 (0); Frequency: 1732.4 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1732.4$ MHz; $\sigma = 1.329$ S/m; $\epsilon_r = 40.768$; $\rho = 1000$ kg/m³
Phantom section: Right Section

DASY5 Configuration:

Probe: ES3DV3 - SN3328; ConvF(5.56, 5.56, 5.56); Calibrated: 3/21/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-08-13; Ambient Temp: 20.5; Tissue Temp: 21.2

Right Tilt, WCDMA Band 4 Ch. 1412, Ant Internal, Standard Battery

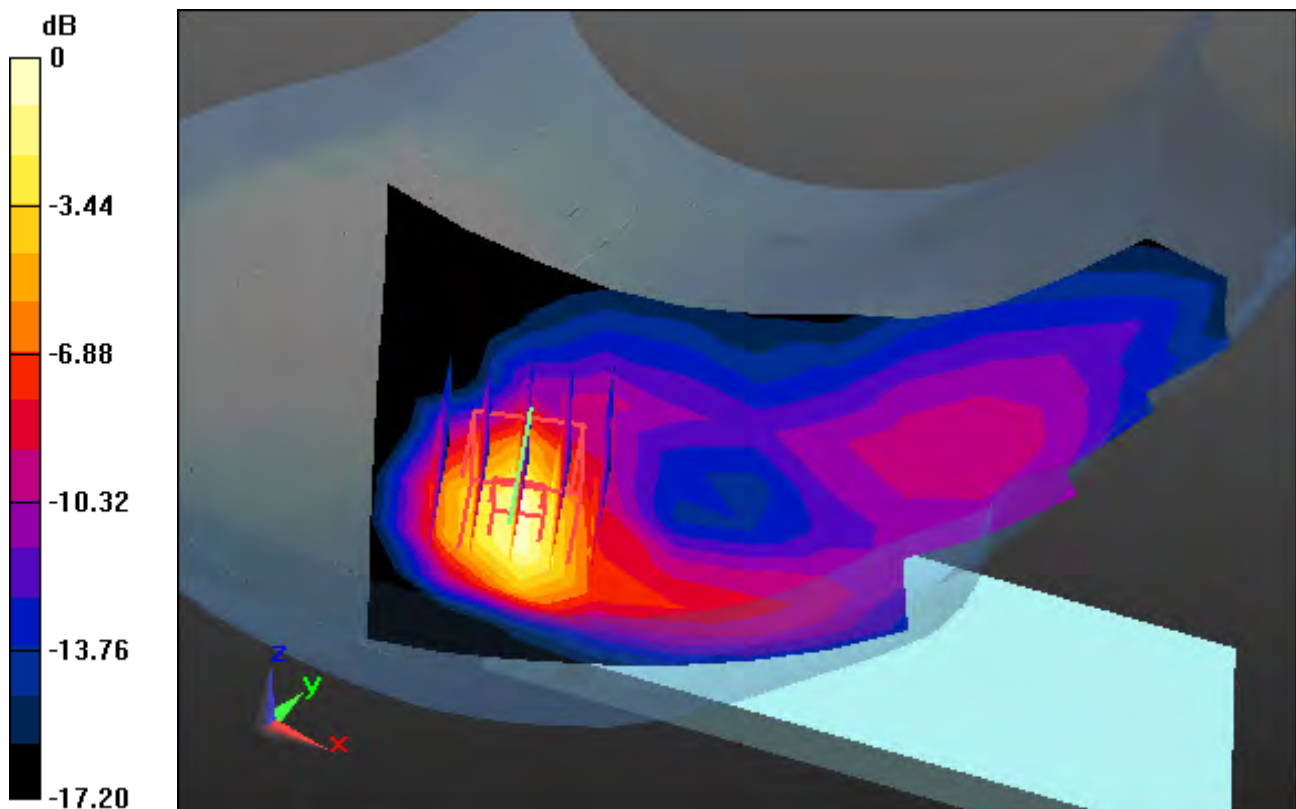
Area Scan (9x14x1): Measurement grid: dx=15mm, dy=15mm

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

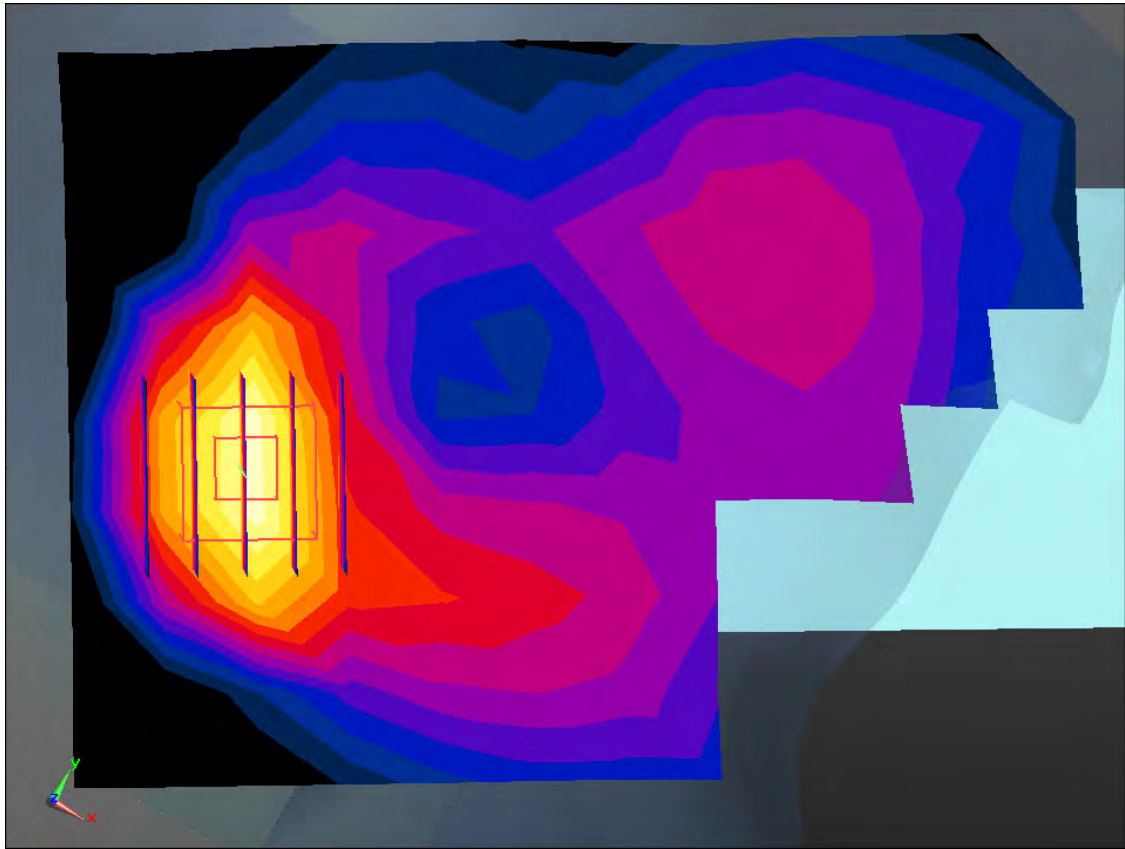
Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.305 W/kg

SAR(1 g) = 0.174 W/kg; SAR(10 g) = 0.092 W/kg



0 dB = 0.221 W/kg



Enlarged Plot for A6

DT&C Co., Ltd.

DUT: LM-Q850FA; Type: Bar

Communication System: UID 0, WCDMA 1900 (0); Frequency: 1880 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1880$ MHz; $\sigma = 1.4$ S/m; $\epsilon_r = 38.672$; $\rho = 1000$ kg/m³
Phantom section: Left Section

DASY5 Configuration:

Probe: ES3DV3 - SN3328; ConvF(5.26, 5.26, 5.26); Calibrated: 3/21/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-08-10; Ambient Temp: 20.4; Tissue Temp: 20.8

Left Touch, WCDMA Band 2 Ch. 9400, Ant Internal, Standard Battery

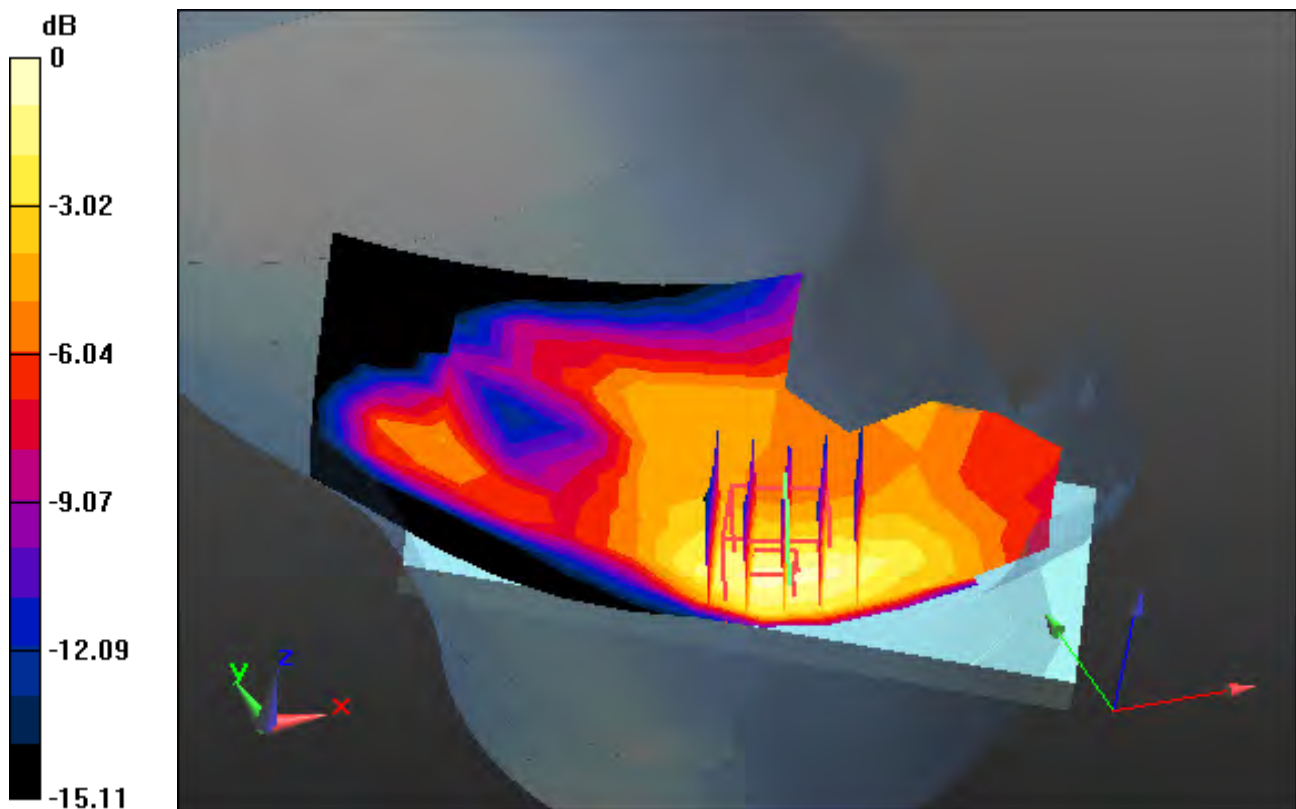
Area Scan (9x14x1): Measurement grid: dx=15mm, dy=15mm

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

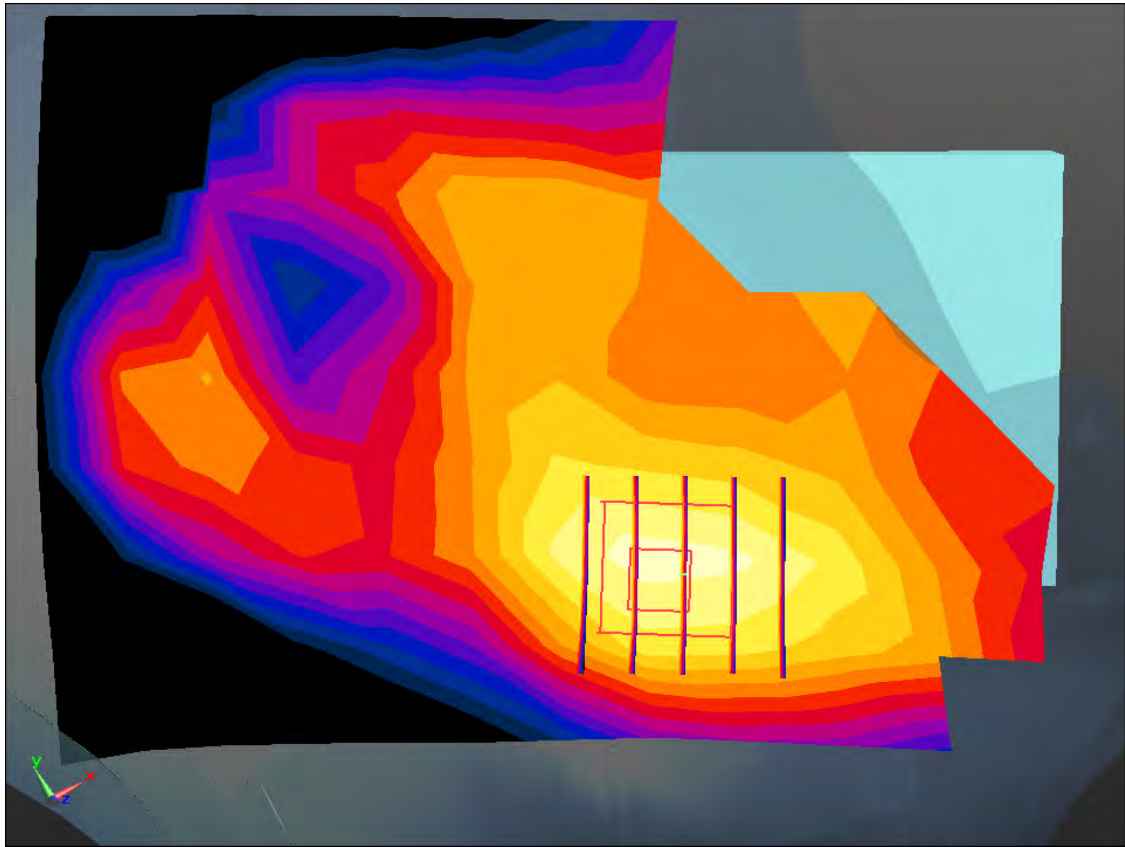
Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.289 W/kg

SAR(1 g) = 0.181 W/kg; SAR(10 g) = 0.111 W/kg



0 dB = 0.221 W/kg



Enlarged Plot for A7

DT&C Co., Ltd.

DUT: LM-Q850FA; Type: Bar

Communication System: UID 0, LTE Band 12 (0); Frequency: 707.5 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 707.5$ MHz; $\sigma = 0.854$ S/m; $\epsilon_r = 41.407$; $\rho = 1000$ kg/m³
Phantom section: Right Section

DASY5 Configuration:

Probe: ES3DV3 - SN3328; ConvF(6.61, 6.61, 6.61); Calibrated: 3/21/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-08-21; Ambient Temp: 20.5; Tissue Temp: 21.2

Right Touch, LTE Band 12 Ch. 23095, Ant Internal, Standard Battery

Mode : BandWidth 10 MHz, QPSK, RB Size: 1

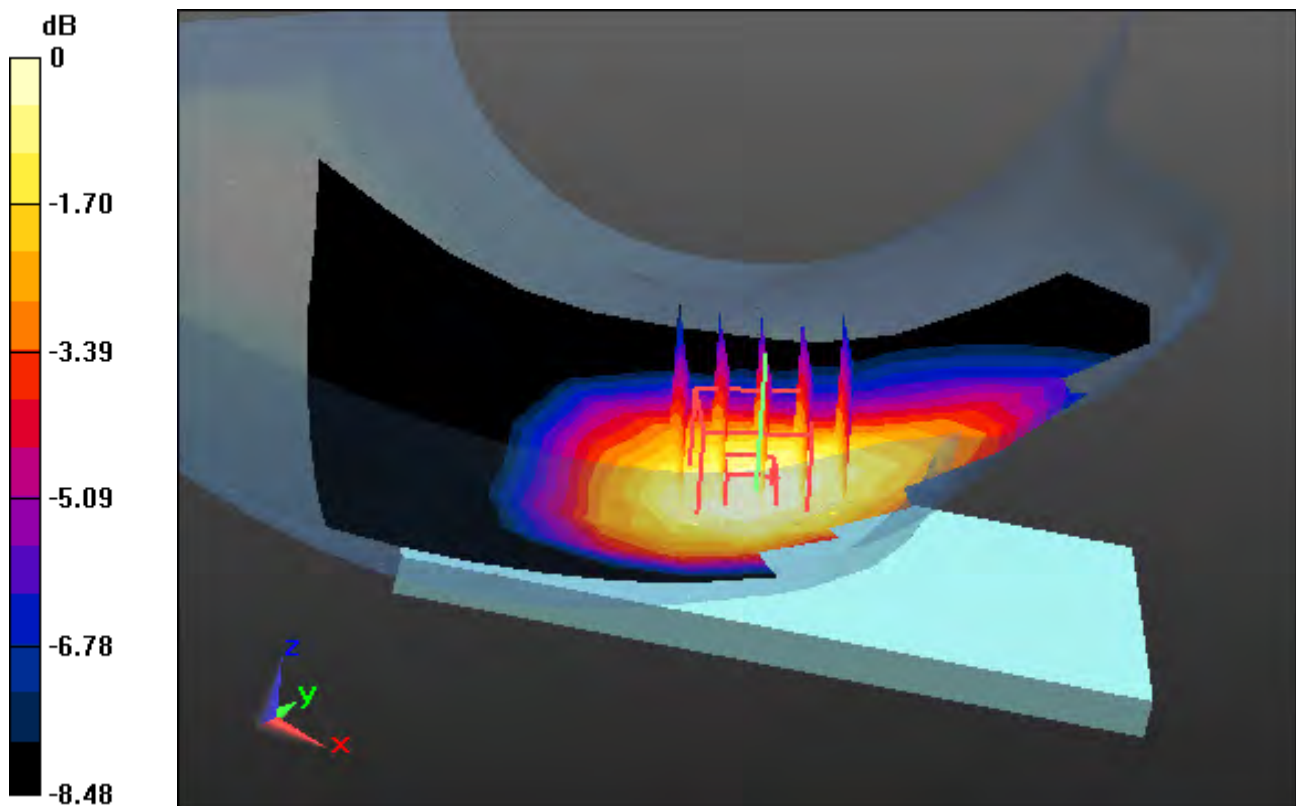
Area Scan (9x14x1): Measurement grid: dx=15mm, dy=15mm

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

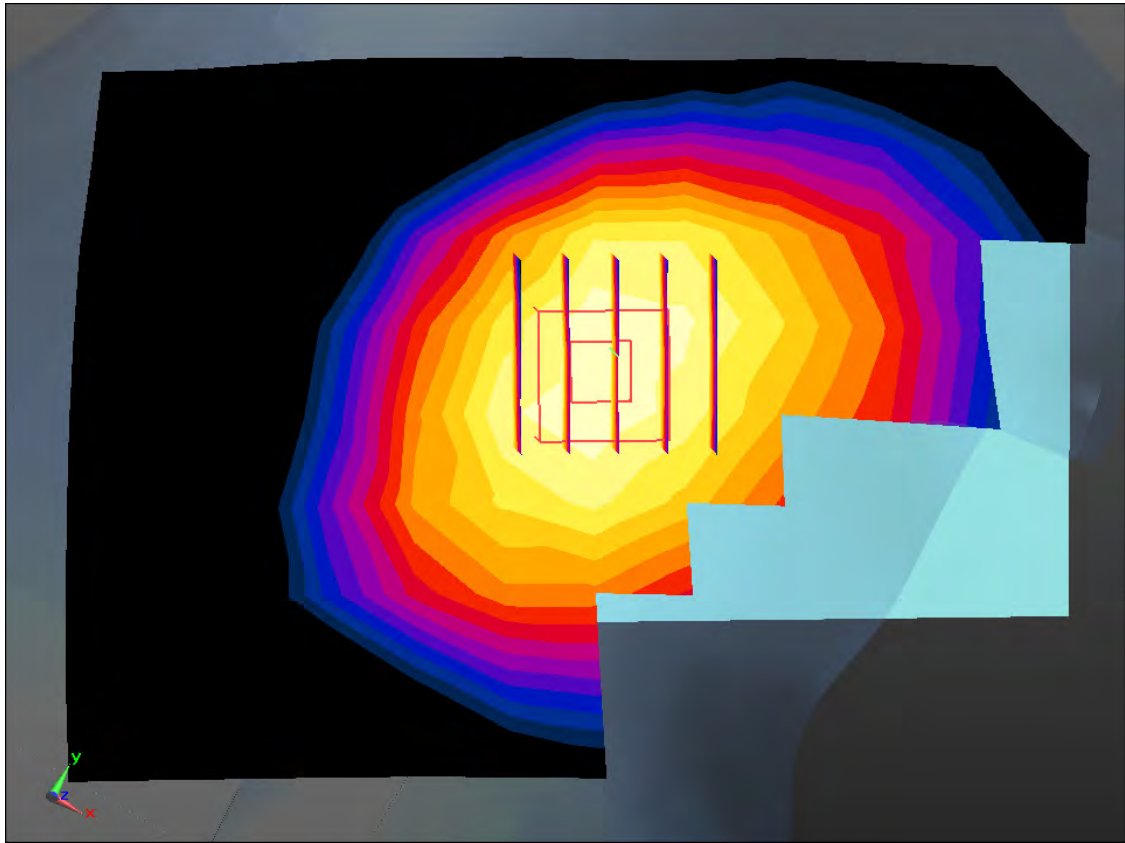
Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.0840 W/kg

SAR(1 g) = 0.069 W/kg; SAR(10 g) = 0.054 W/kg



0 dB = 0.0749 W/kg



Enlarged Plot for A8

DT&C Co., Ltd.

DUT: LM-Q850FA; Type: Bar

Communication System: UID 0, LTE Band 5(FCC) (0); Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium parameters used: $f = 836.5$ MHz; $\sigma = 0.93$ S/m; $\epsilon_r = 42.294$; $\rho = 1000$ kg/m³
Phantom section: Right Section

DASY5 Configuration:

Probe: ES3DV3 - SN3328; ConvF(6.35, 6.35, 6.35); Calibrated: 3/21/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-08-16; Ambient Temp: 21.1; Tissue Temp: 21.8

Right Touch, LTE Band 5 Ch. 20525, Ant Internal, Standard Battery

Mode : BandWidth 10 MHz, QPSK, RB Size: 1

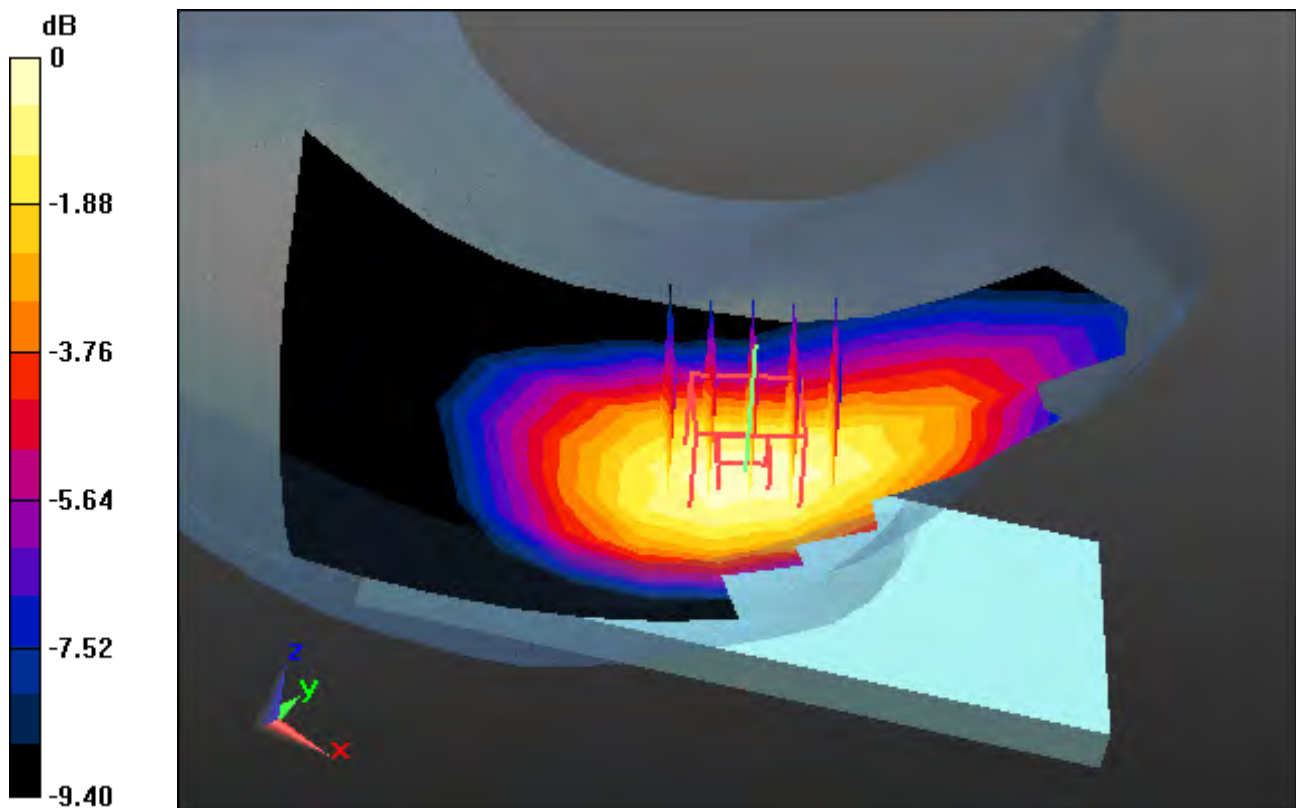
Area Scan (9x14x1): Measurement grid: dx=15mm, dy=15mm

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

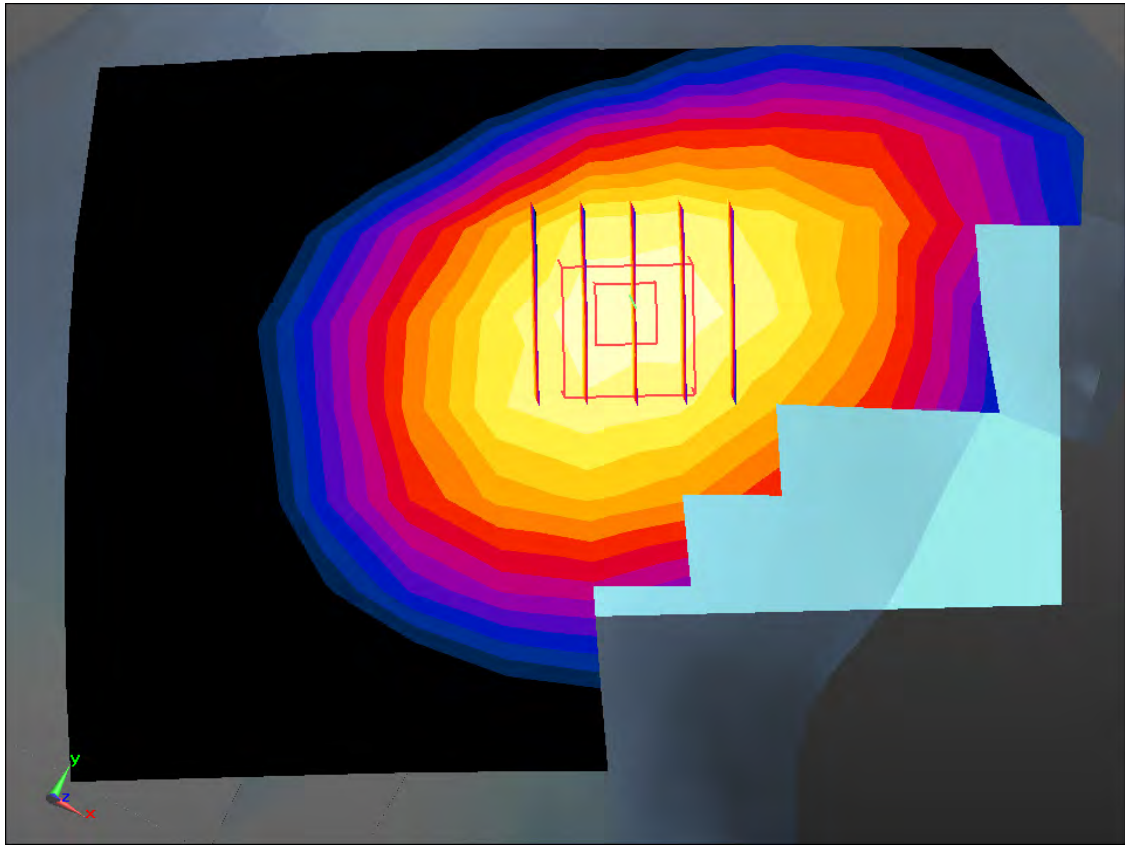
Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.174 W/kg

SAR(1 g) = 0.136 W/kg; SAR(10 g) = 0.104 W/kg



0 dB = 0.149 W/kg



Enlarged Plot for A9

DT&C Co., Ltd.

DUT: LM-Q850FA; Type: Bar

Communication System: UID 0, LTE Band 66 (0); Frequency: 1770 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1770$ MHz; $\sigma = 1.369$ S/m; $\epsilon_r = 40.875$; $\rho = 1000$ kg/m³
Phantom section: Right Section

DASY5 Configuration:

Probe: ES3DV3 - SN3328; ConvF(5.56, 5.56, 5.56); Calibrated: 3/21/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-08-22; Ambient Temp: 20.7; Tissue Temp: 21.1

Right Tilt, LTE Band 66 Ch. 132572, Ant Internal, Standard Battery

Mode : BandWidth 20 MHz, QPSK, RB Size: 1

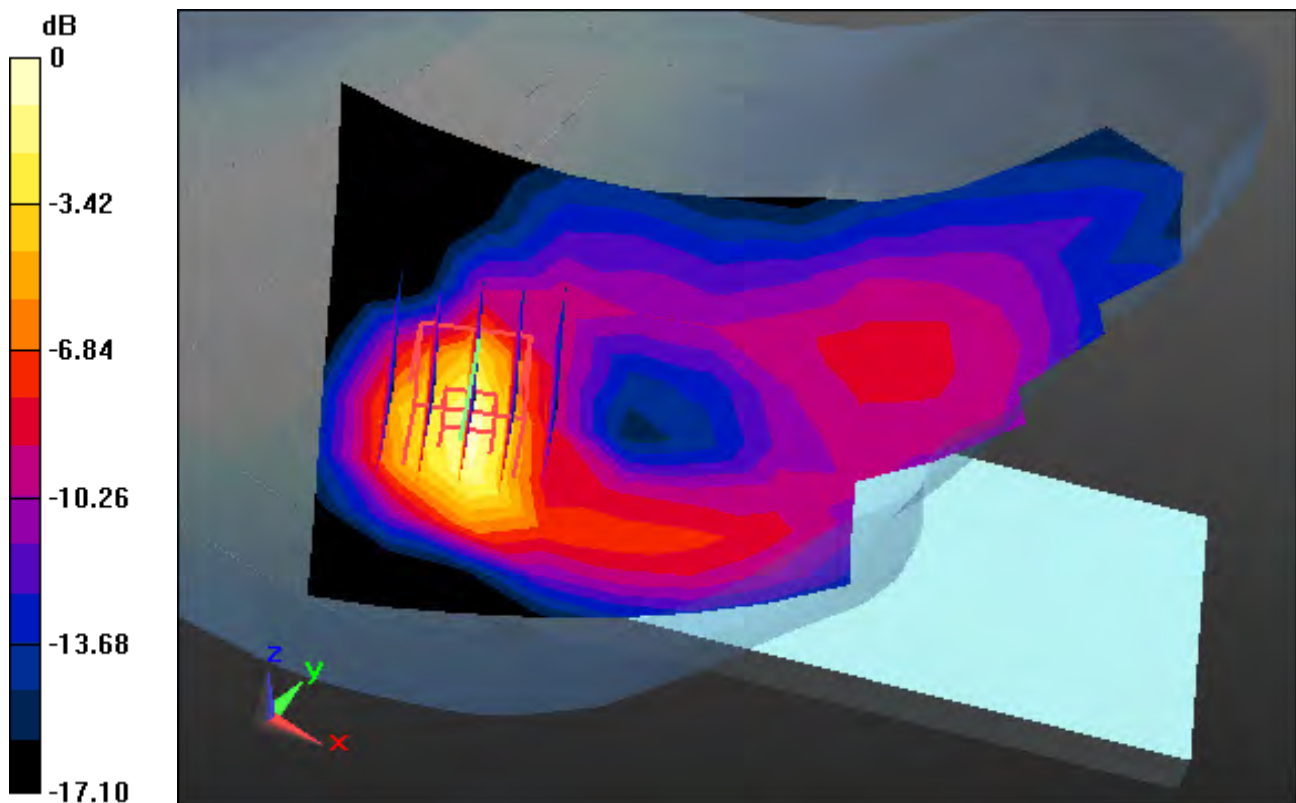
Area Scan (9x14x1): Measurement grid: dx=15mm, dy=15mm

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

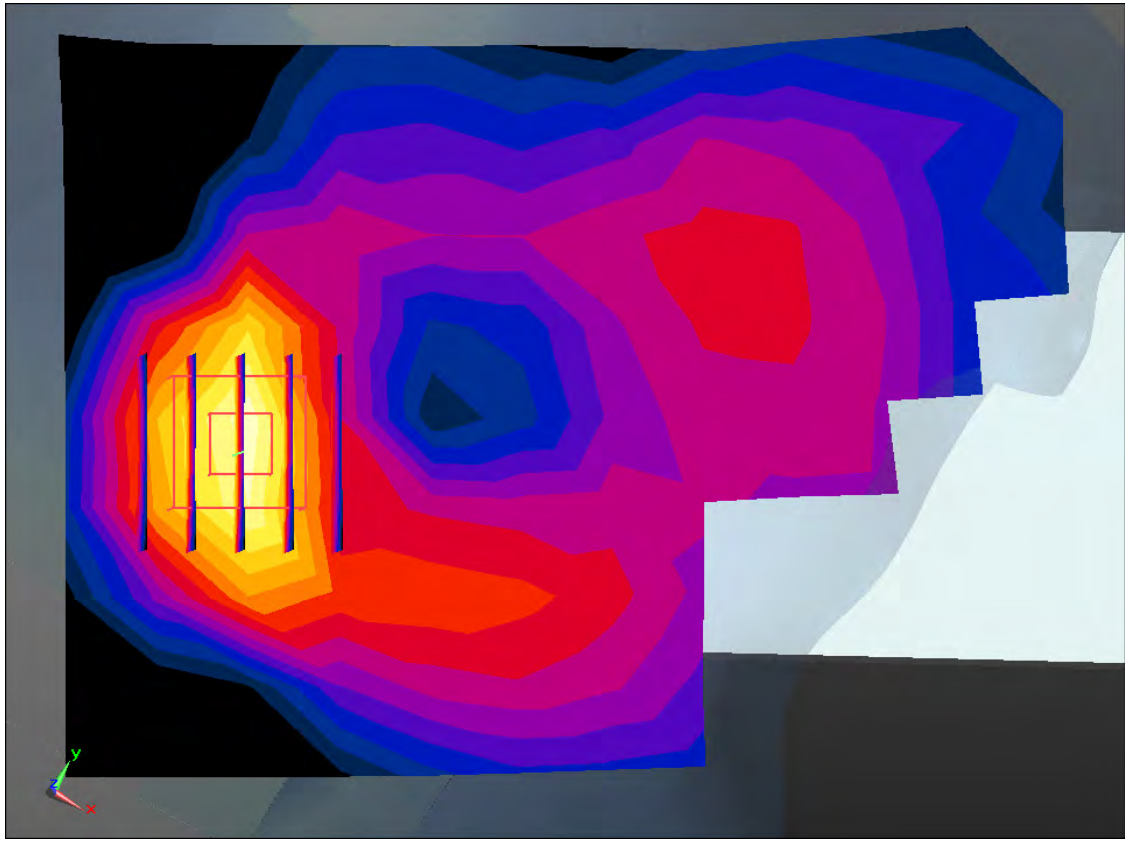
Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.271 W/kg

SAR(1 g) = 0.153 W/kg; SAR(10 g) = 0.079 W/kg



0 dB = 0.196 W/kg



Enlarged Plot for A10

DT&C Co., Ltd.

DUT: LM-Q850FA; Type: Bar

Communication System: UID 0, LTE Band 2 (0); Frequency: 1860 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1860$ MHz; $\sigma = 1.39$ S/m; $\epsilon_r = 38.851$; $\rho = 1000$ kg/m³
Phantom section: Right Section

DASY5 Configuration:

Probe: ES3DV3 - SN3328; ConvF(5.26, 5.26, 5.26); Calibrated: 3/21/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-08-15; Ambient Temp: 20.9; Tissue Temp: 21.4

Right Tilt, LTE Band 2 Ch. 18700, Ant Internal, Standard Battery

Mode : BandWidth 20 MHz, QPSK, RB Size: 1

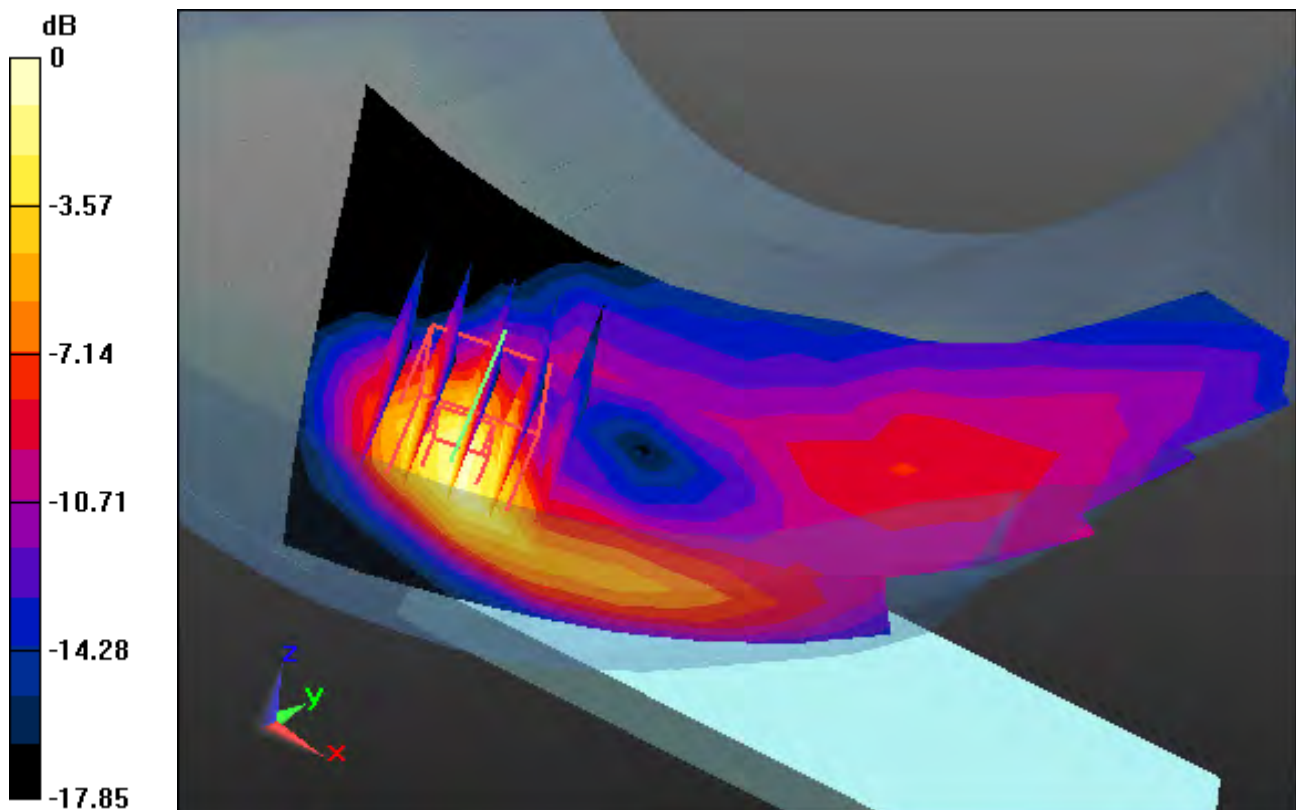
Area Scan (9x14x1): Measurement grid: dx=15mm, dy=15mm

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

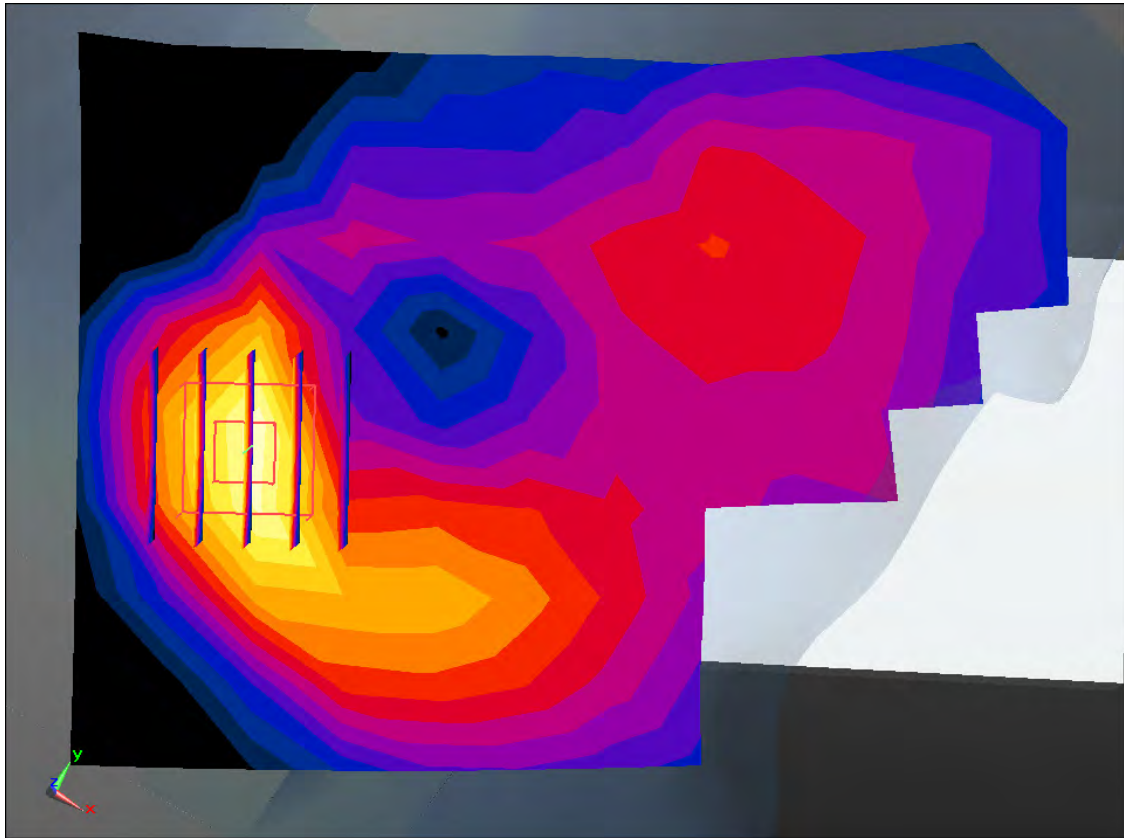
Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.250 W/kg

SAR(1 g) = 0.141 W/kg; SAR(10 g) = 0.070 W/kg



0 dB = 0.183 W/kg



Enlarged Plot for A11

DT&C Co., Ltd.

DUT: LM-Q850FA; Type: Bar

Communication System: UID 0, LTE Band 7(FCC) (0); Frequency: 2560 MHz;Duty Cycle: 1:1
Medium parameters used: $f = 2560$ MHz; $\sigma = 1.972$ S/m; $\epsilon_r = 38.824$; $\rho = 1000$ kg/m³
Phantom section: Right Section

DASY5 Configuration:

Probe: ES3DV3 - SN3328; ConvF(4.6, 4.6, 4.6); Calibrated: 3/21/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-08-17; Ambient Temp: 20.7; Tissue Temp: 21.5

Right Touch, LTE Band 7 Ch. 21350, Ant Internal, Standard Battery

Mode : BandWidth 20 MHz, QPSK, RB Size: 1

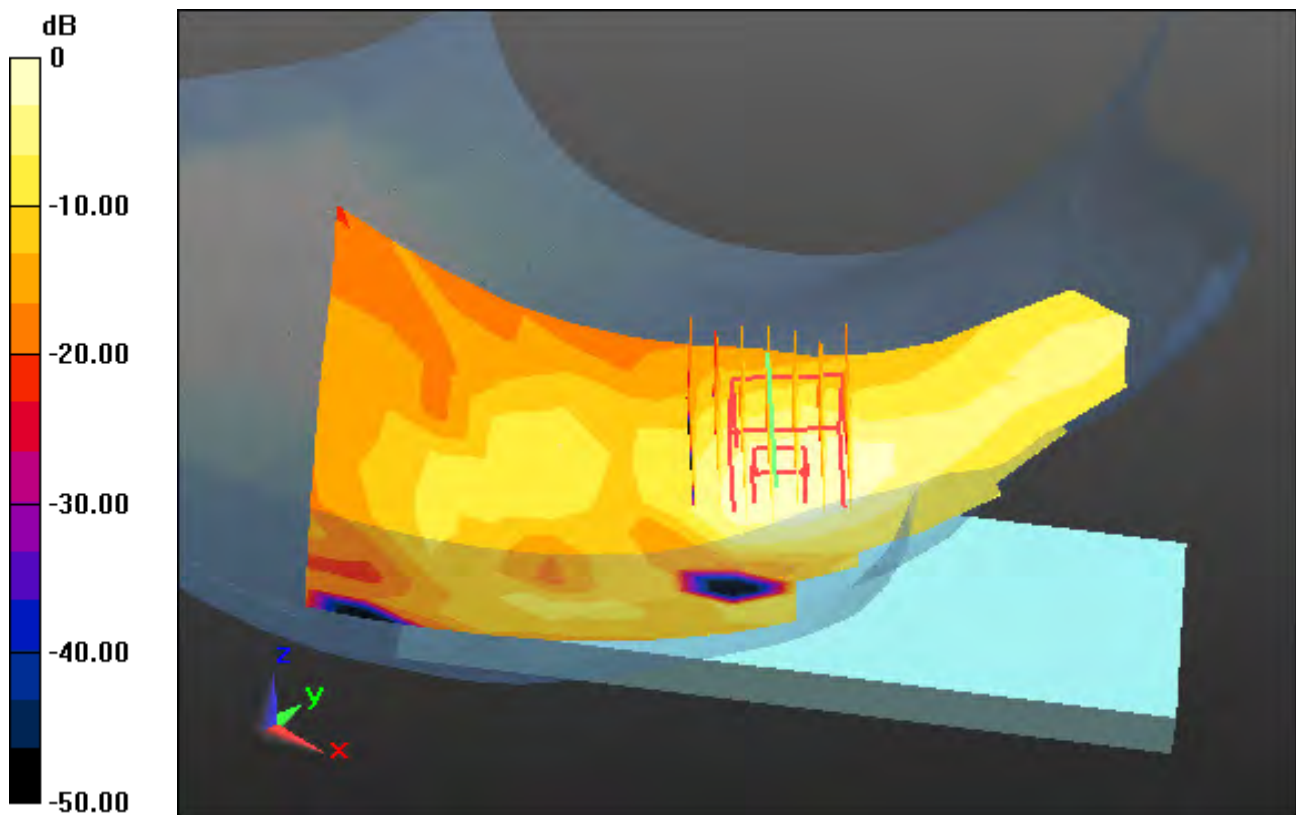
Area Scan (11x17x1): Measurement grid: dx=12mm, dy=12mm

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

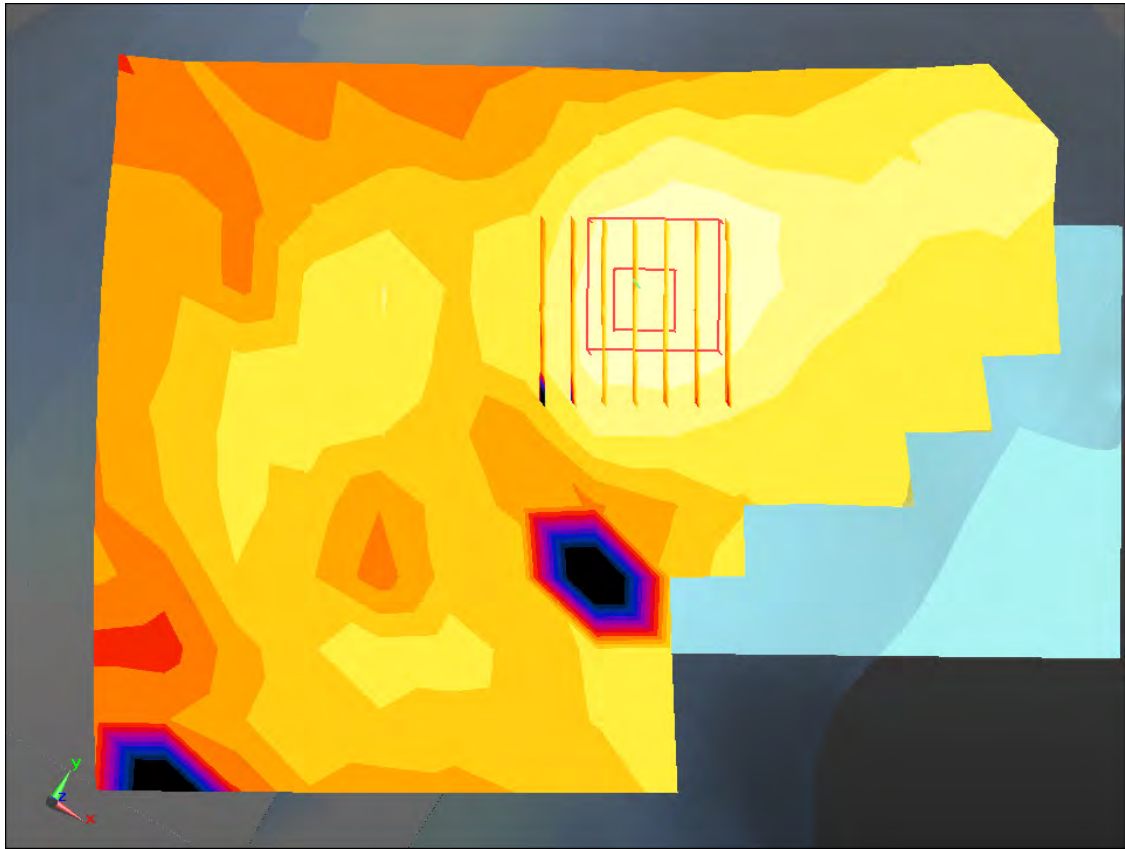
Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.0720 W/kg

SAR(1 g) = 0.040 W/kg; SAR(10 g) = 0.021 W/kg



0 dB = 0.0488 W/kg



Enlarged Plot for A12

DT&C Co., Ltd.

DUT: LM-Q850FA; Type: Bar

Communication System: UID 0, LTE Band 41 (0); Frequency: 2593 MHz; Duty Cycle: 1:1.58
Medium parameters used: $f = 2593$ MHz; $\sigma = 2.011$ S/m; $\epsilon_r = 37.88$; $\rho = 1000$ kg/m³
Phantom section: Right Section

DASY5 Configuration:

Probe: ES3DV3 - SN3328; ConvF(4.6, 4.6, 4.6); Calibrated: 3/21/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-08-23; Ambient Temp: 20.6; Tissue Temp: 21.3

Right Touch, LTE Band 41 Ch. 40620, Ant Internal, Standard Battery

Mode : BandWidth 20 MHz, QPSK, RB Size: 1

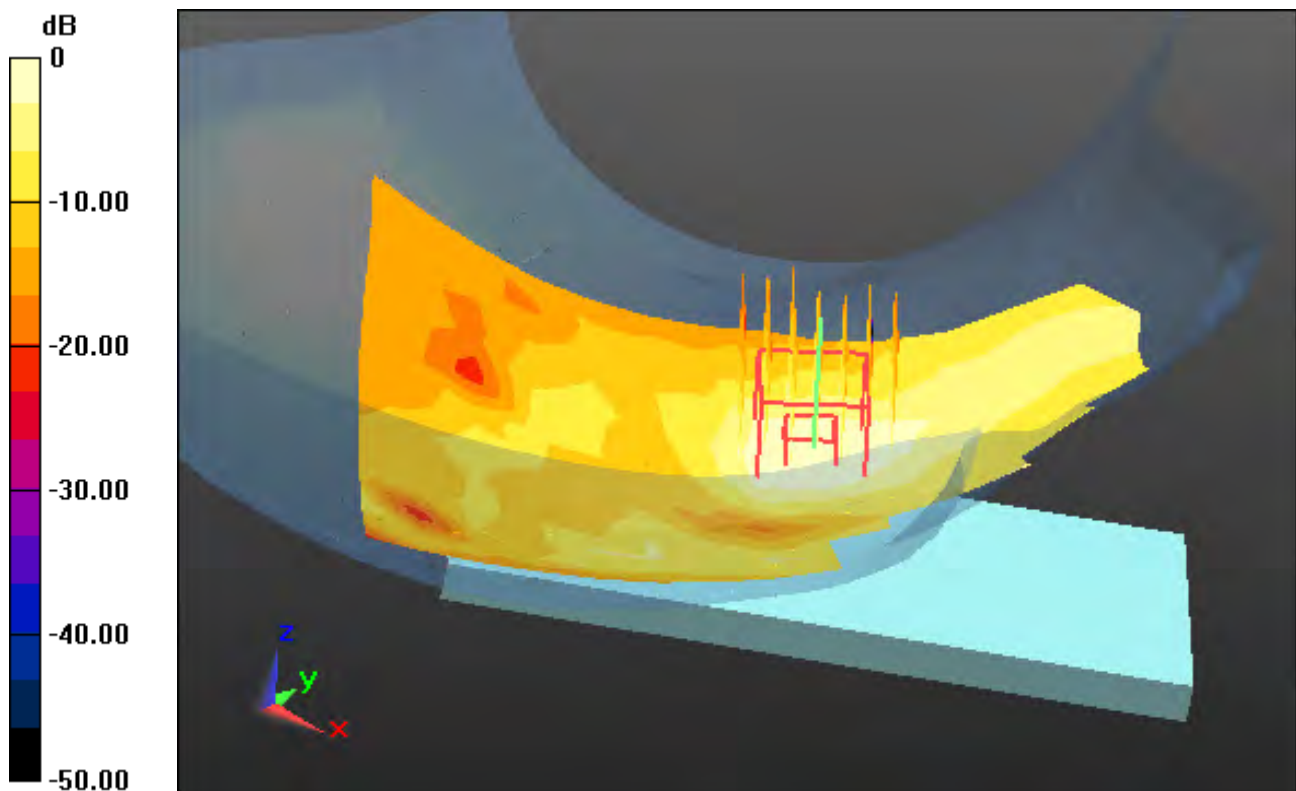
Area Scan (11x17x1): Measurement grid: dx=12mm, dy=12mm

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

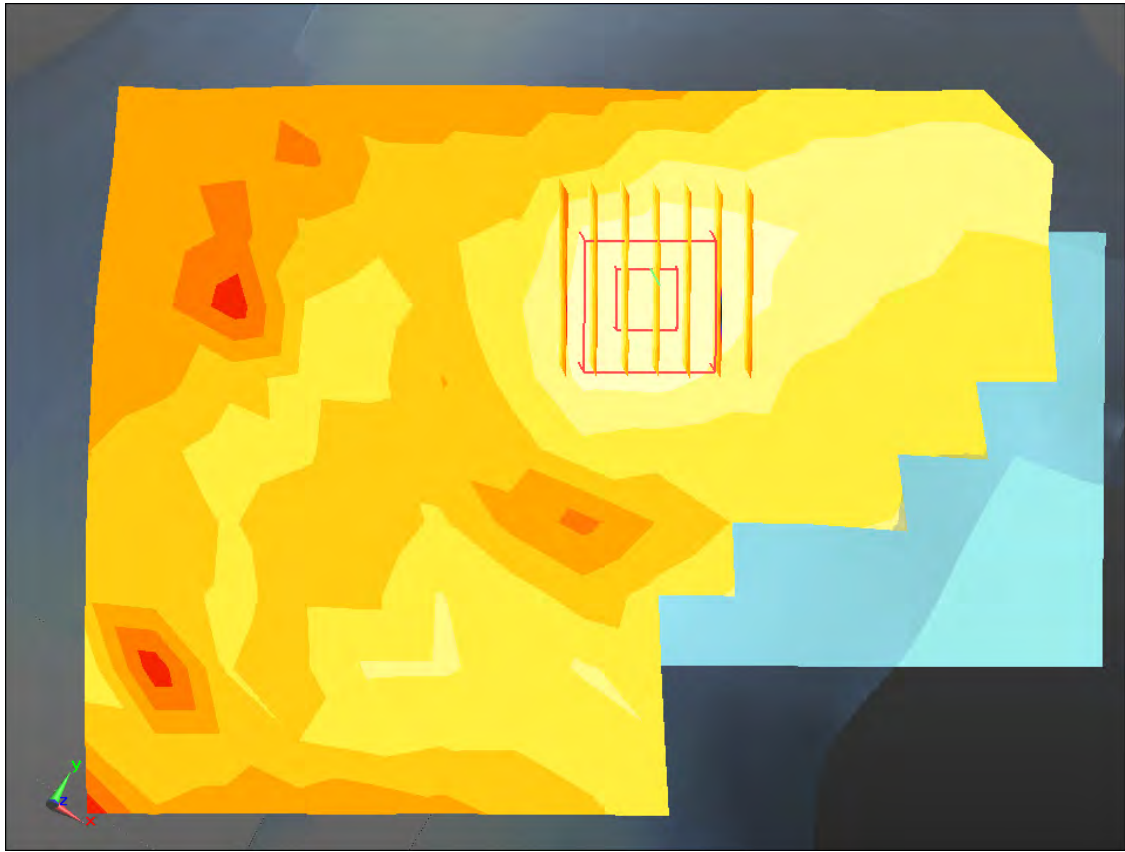
Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.0580 W/kg

SAR(1 g) = 0.031 W/kg; SAR(10 g) = 0.017 W/kg



0 dB = 0.0387 W/kg



Enlarged Plot for A13

DT&C Co., Ltd.

DUT: LM-Q850FA; Type: Bar

Communication System: UID 0, 2.4 GHz W-LAN (0); Frequency: 2412 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2412$ MHz; $\sigma = 1.801$ S/m; $\epsilon_r = 40.46$; $\rho = 1000$ kg/m³
Phantom section: Right Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(7.45, 7.45, 7.45); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM-twin right_2013_09_24; Type: QD000P40CD; Serial: TP:1783
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-08-23; Ambient Temp: 21.3; Tissue Temp: 21.5

Right Touch, W-LAN(802.11b - 2.4G) Ch. 1, Ant Internal, Standard Battery, Ant.1

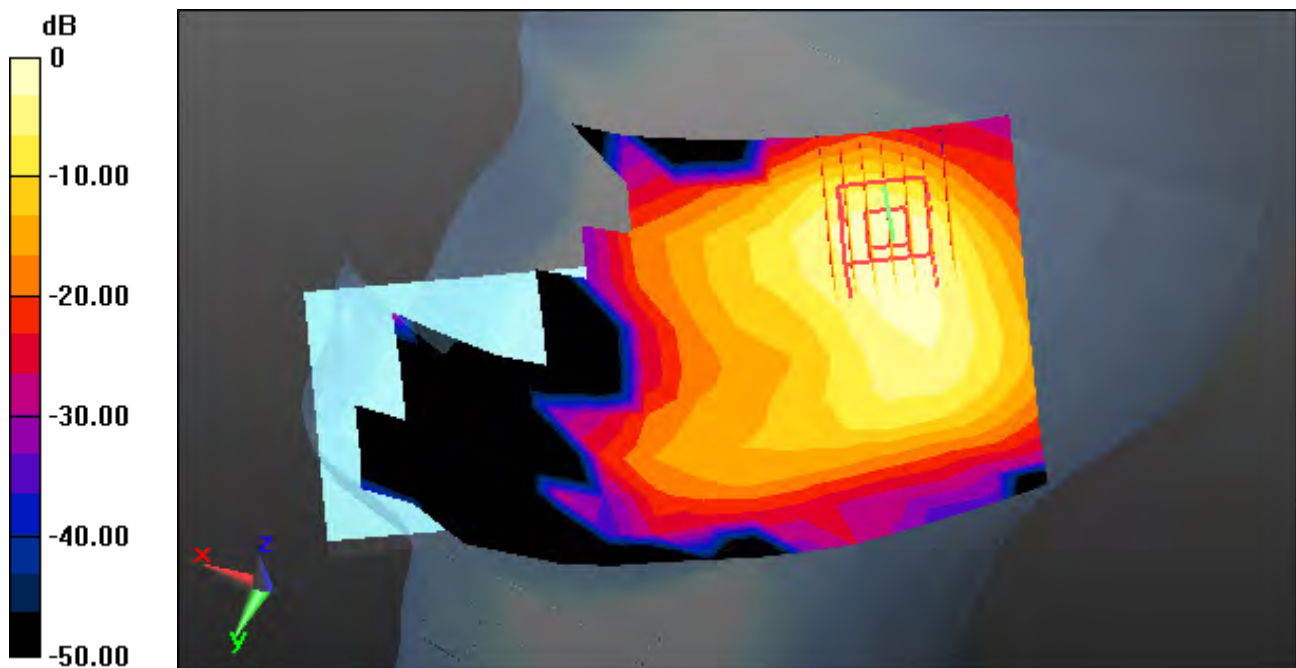
Area Scan (11x16x1): Measurement grid: dx=12mm, dy=12mm

Zoom Scan (8x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

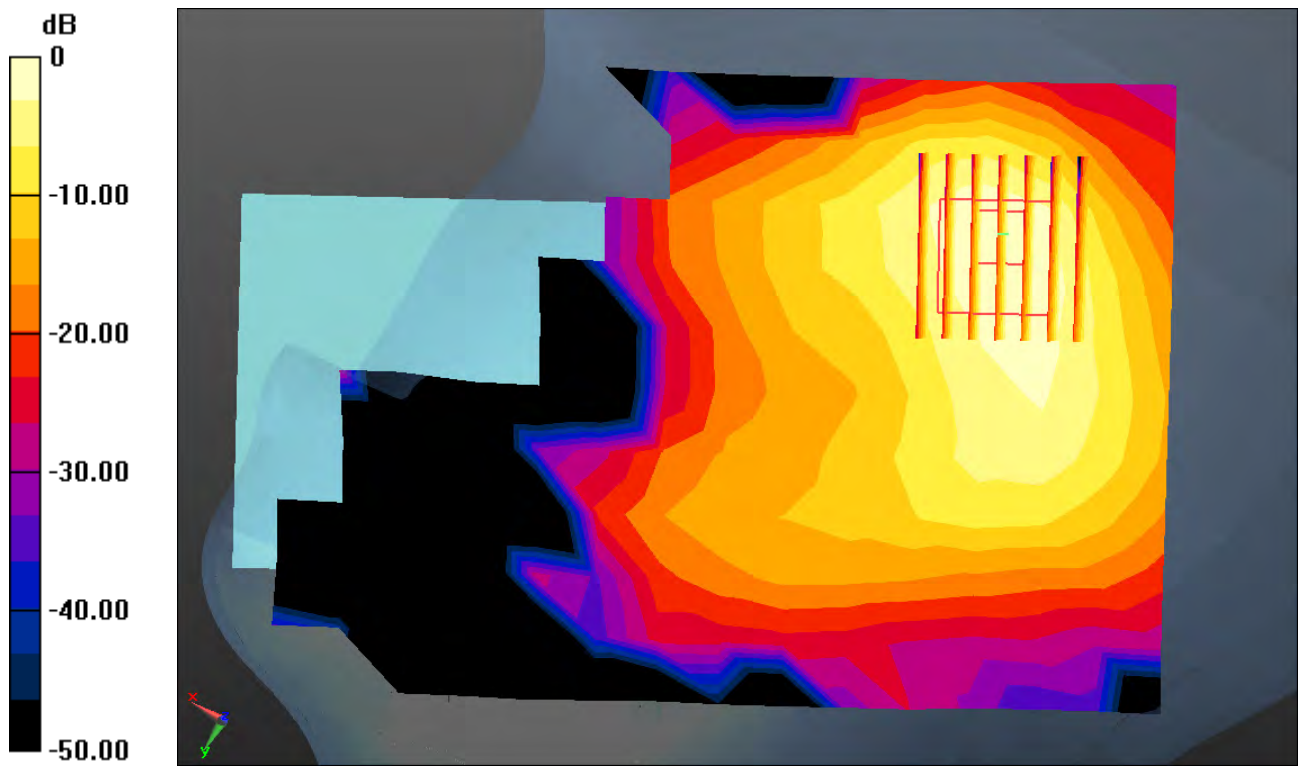
Power Drift = -0.00 dB

Peak SAR (extrapolated) = 1.12 W/kg

SAR(1 g) = 0.486 W/kg; SAR(10 g) = 0.223 W/kg



0 dB = 0.770 W/kg



0 dB = 0.770 W/kg

Enlarged Plot for A14

DT&C Co., Ltd.

DUT: LM-Q850FA; Type: Bar

Communication System: UID 0, 2.4 GHz W-LAN (0); Frequency: 2462 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2462$ MHz; $\sigma = 1.857$ S/m; $\epsilon_r = 40.149$; $\rho = 1000$ kg/m³
Phantom section: Right Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(7.45, 7.45, 7.45); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM-twin right_2013_09_24; Type: QD000P40CD; Serial: TP:1783
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-08-23; Ambient Temp: 21.3; Tissue Temp: 21.5

Right Touch, W-LAN(802.11b - 2.4G) Ch. 11, Ant Internal, Standard Battery, Ant.2

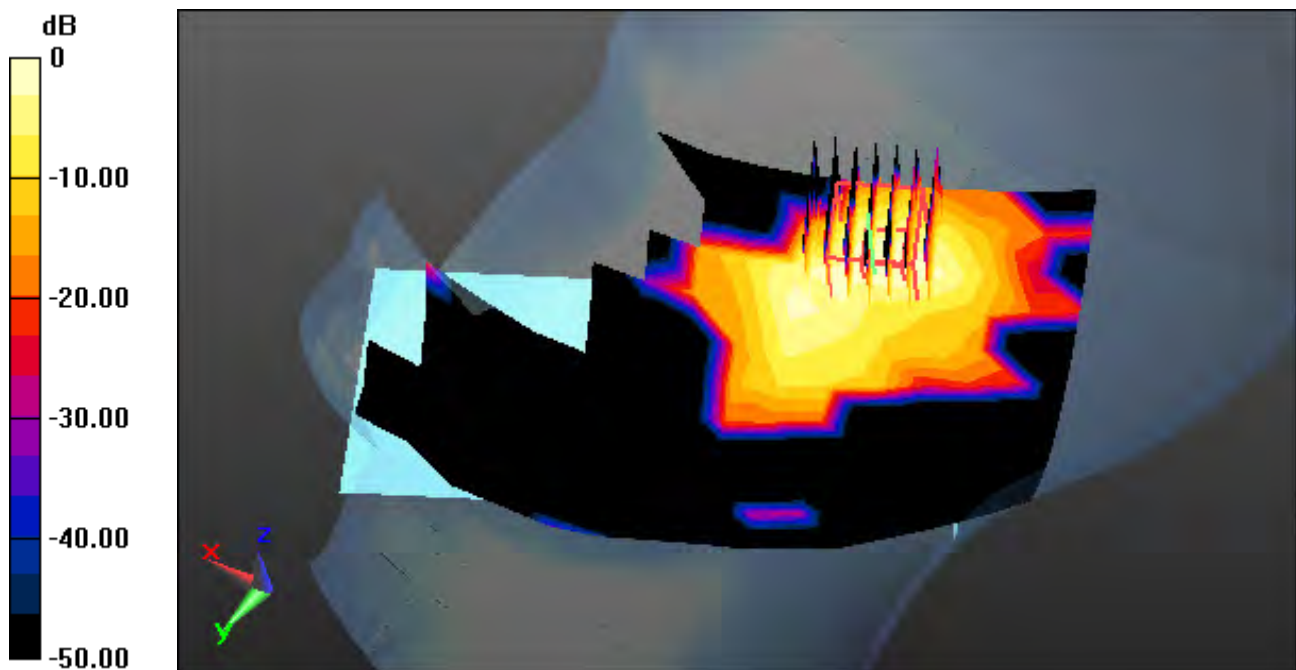
Area Scan (11x16x1): Measurement grid: dx=12mm, dy=12mm

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

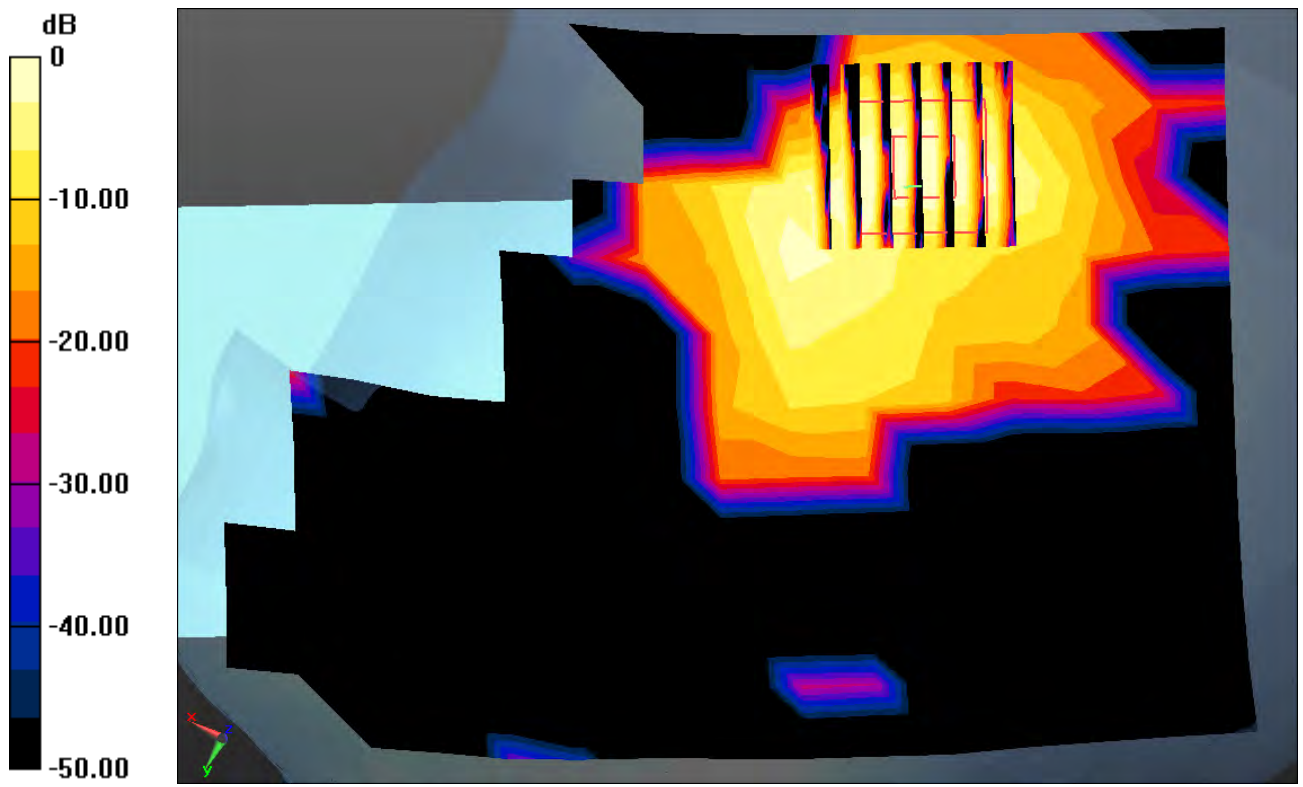
Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.163 W/kg

SAR(1 g) = 0.062 W/kg; SAR(10 g) = 0.021 W/kg



0 dB = 0.101 W/kg



0 dB = 0.101 W/kg

Enlarged Plot for A15

DT&C Co., Ltd.

DUT: LM-Q850FA; Type: Bar

Communication System: UID 0, 2.4 GHz W-LAN (0); Frequency: 2437 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2437$ MHz; $\sigma = 1.829$ S/m; $\epsilon_r = 40.29$; $\rho = 1000$ kg/m³
Phantom section: Right Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(7.45, 7.45, 7.45); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM-twin right_2013_09_24; Type: QD000P40CD; Serial: TP:1783
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-08-23; Ambient Temp: 21.3; Tissue Temp: 21.5

Right Touch, W-LAN(802.11g - 2.4G) Ch. 6, Ant Internal, Standard Battery, MIMO

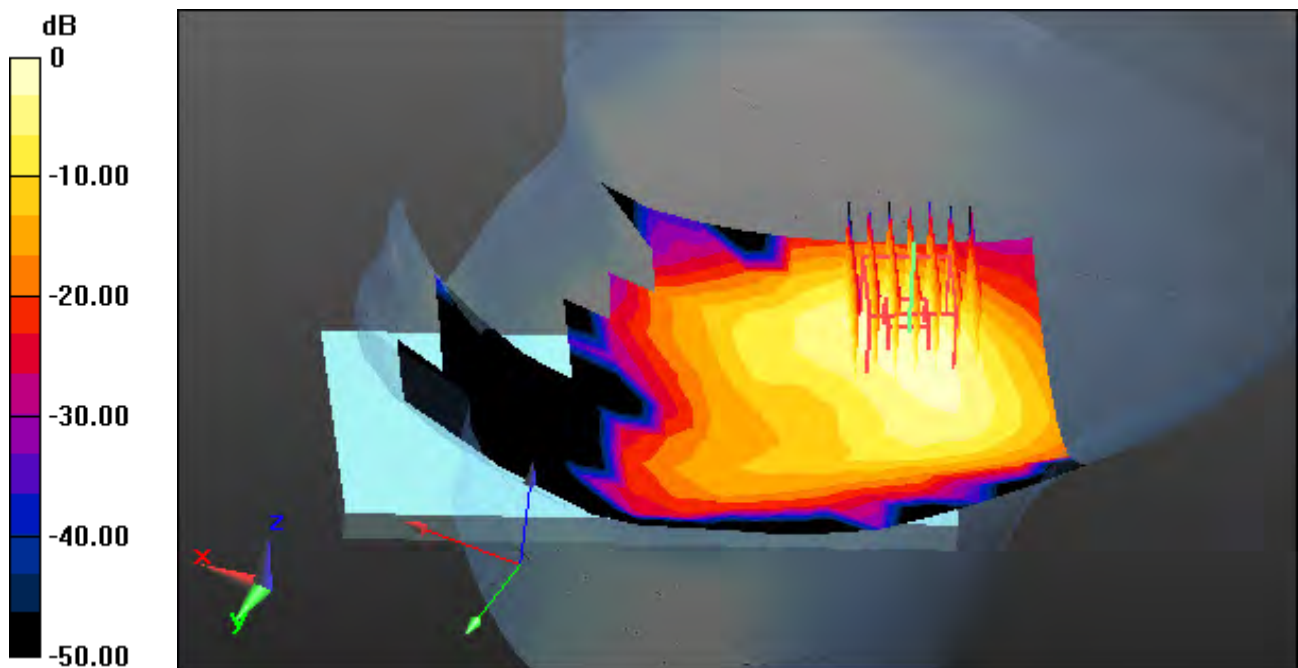
rea Scan (11x16x1): Measurement grid: dx=12mm, dy=12mm

Zoom Scan (8x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

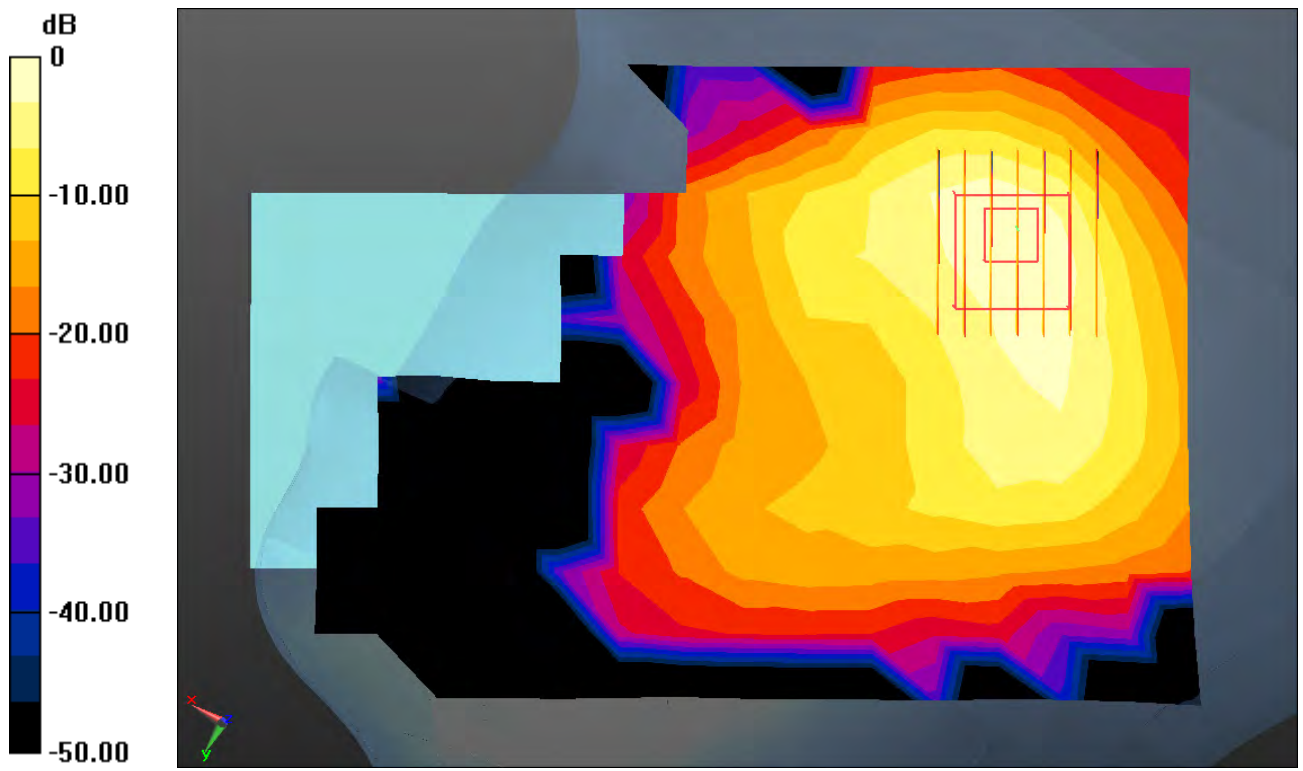
Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.04 W/kg

SAR(1 g) = 0.441 W/kg; SAR(10 g) = 0.196 W/kg



0 dB = 0.709 W/kg



0 dB = 0.709 W/kg

Enlarged Plot for A16

DT&C Co., Ltd.

DUT: LM-Q850FA; Type: Bar

Communication System: UID 0, W-LAN_5 GHz(FCC) (0); Frequency: 5260 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5260$ MHz; $\sigma = 4.868$ S/m; $\epsilon_r = 35.077$; $\rho = 1000$ kg/m³
Phantom section: Right Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(4.95, 4.95, 4.95); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM-twin right_2013_09_24; Type: QD000P40CD; Serial: TP:1783
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-08-11; Ambient Temp: 21.1; Tissue Temp: 20.9

Right Touch, W-LAN(802.11a - 5.3G) Ch. 52, Ant Internal, Standard Battery, Ant.1

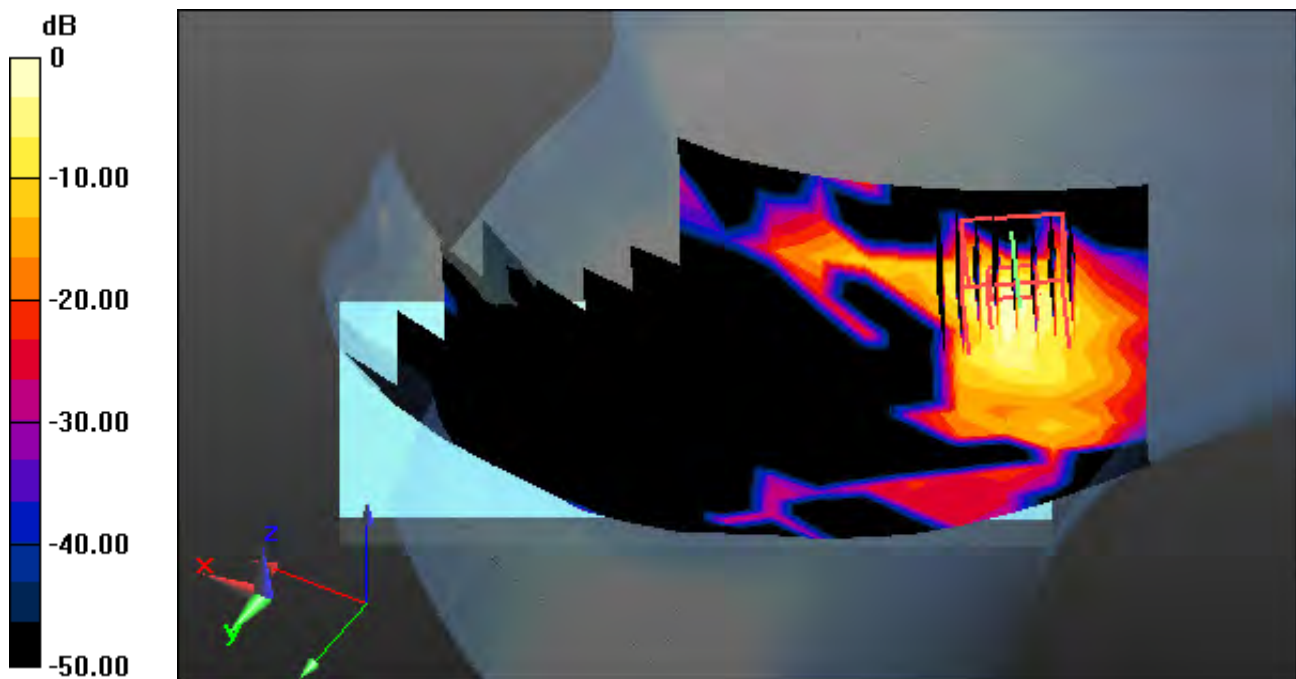
Area Scan (13x21x1): Measurement grid: dx=10mm, dy=10mm

Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4

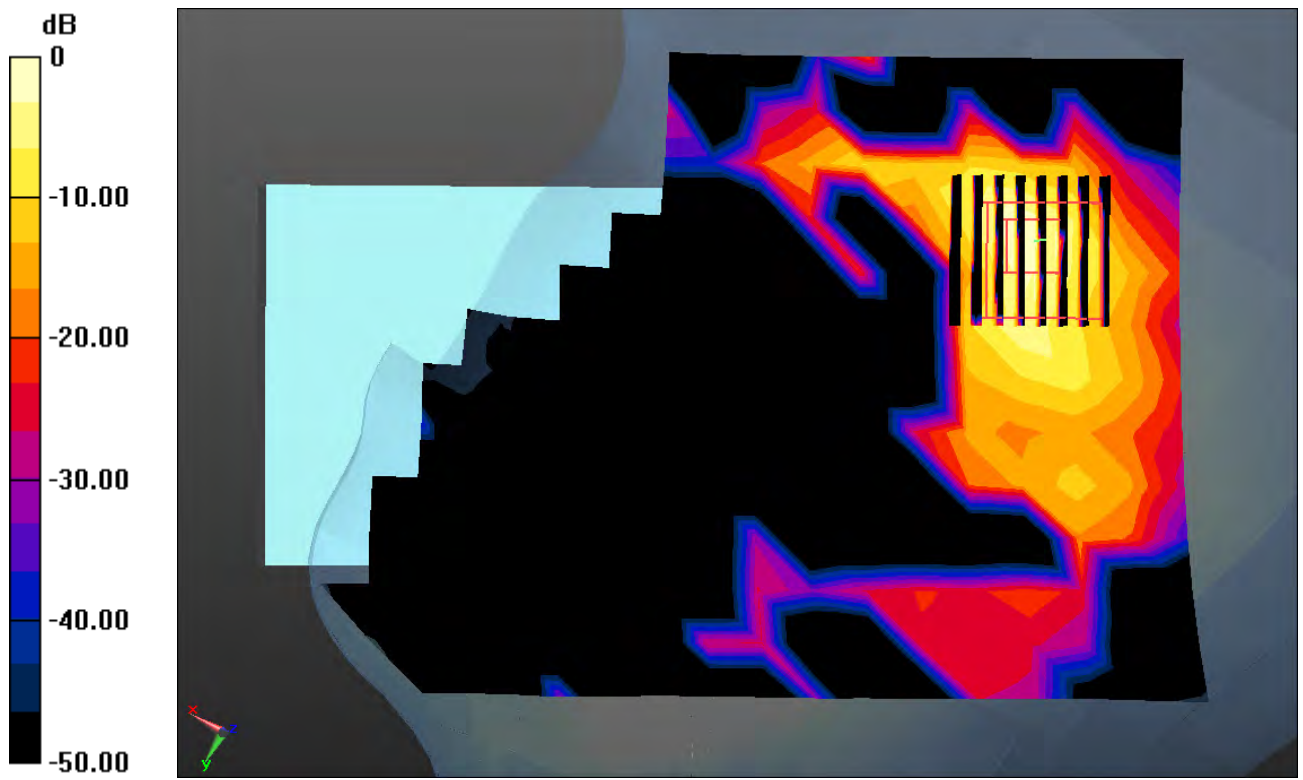
Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.21 W/kg

SAR(1 g) = 0.264 W/kg; SAR(10 g) = 0.064 W/kg



0 dB = 0.803 W/kg



0 dB = 0.803 W/kg

Enlarged Plot for A17

DT&C Co., Ltd.

DUT: LM-Q850FA; Type: Bar

Communication System: UID 0, W-LAN_5 GHz(FCC) (0); Frequency: 5260 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5260$ MHz; $\sigma = 4.868$ S/m; $\epsilon_r = 35.077$; $\rho = 1000$ kg/m³
Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(4.95, 4.95, 4.95); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM-twin right_2013_09_24; Type: QD000P40CD; Serial: TP:1783
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-08-11; Ambient Temp: 21.1; Tissue Temp: 20.9

Left Tilt, W-LAN(802.11a - 5.3G) Ch. 52, Ant Internal, Standard Battery, Ant.2

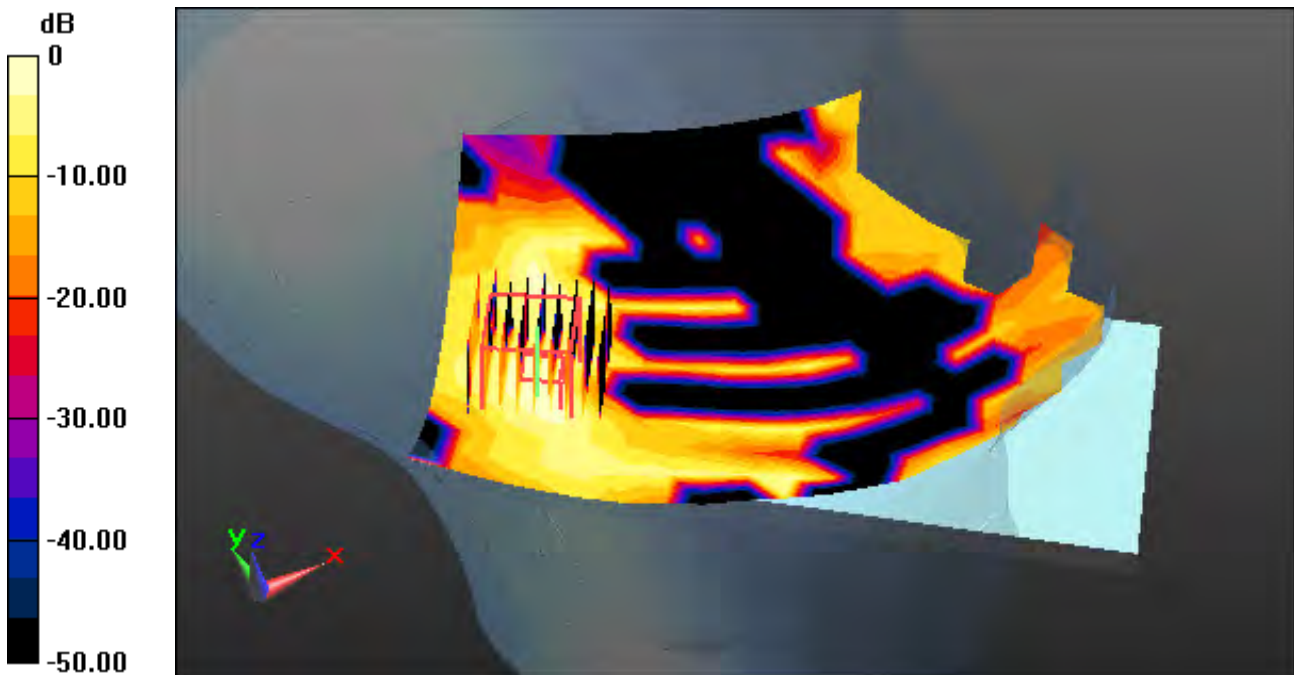
Area Scan (13x21x1): Measurement grid: dx=10mm, dy=10mm

Zoom Scan (9x9x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4

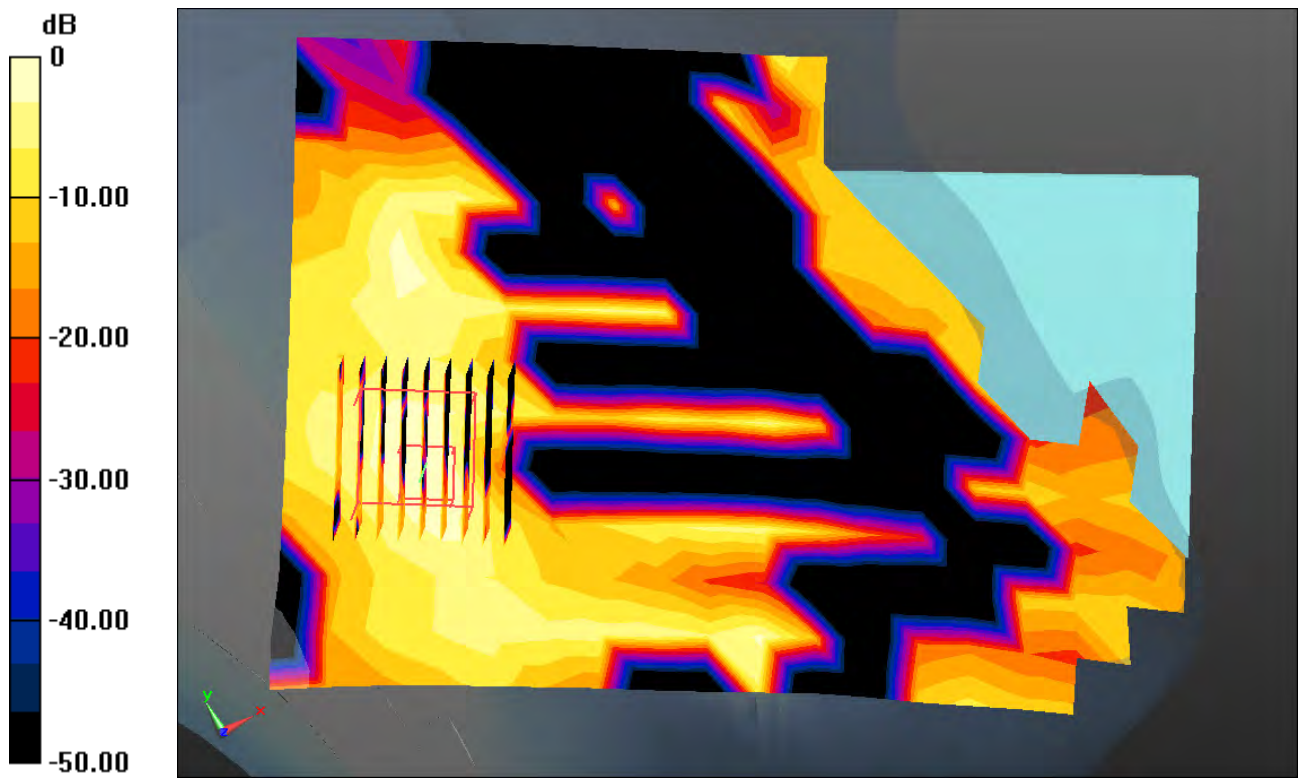
Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.392 W/kg

SAR(1 g) = 0.082 W/kg; SAR(10 g) = 0.025 W/kg



0 dB = 0.244 W/kg



0 dB = 0.244 W/kg

Enlarged Plot for A18

DT&C Co., Ltd.

DUT: LM-Q850FA; Type: Bar

Communication System: UID 0, W-LAN_5 GHz(FCC) (0); Frequency: 5260 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5260$ MHz; $\sigma = 4.868$ S/m; $\epsilon_r = 35.077$; $\rho = 1000$ kg/m³
Phantom section: Right Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(4.95, 4.95, 4.95); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM-twin right_2013_09_24; Type: QD000P40CD; Serial: TP:1783
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-08-11; Ambient Temp: 21.1; Tissue Temp: 20.9

Right Touch, W-LAN(802.11a - 5.3G) Ch. 52, Ant Internal, Standard Battery, MIMO

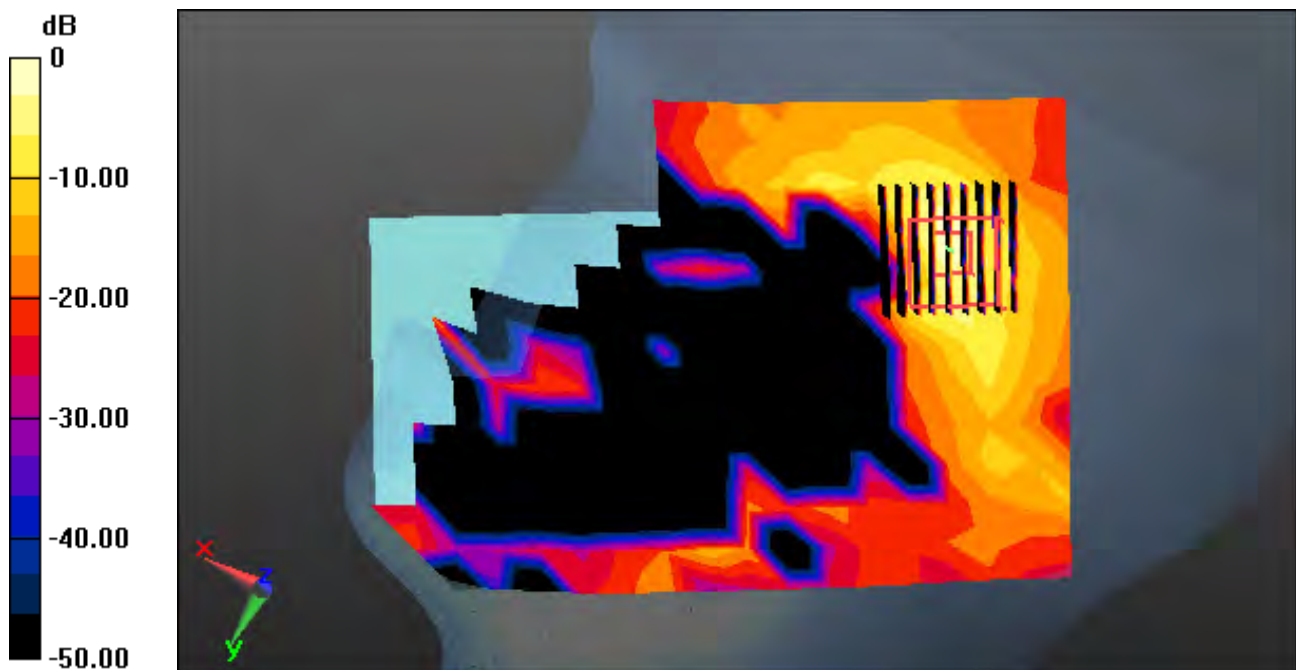
Area Scan (13x21x1): Measurement grid: dx=10mm, dy=10mm

Zoom Scan (9x9x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4

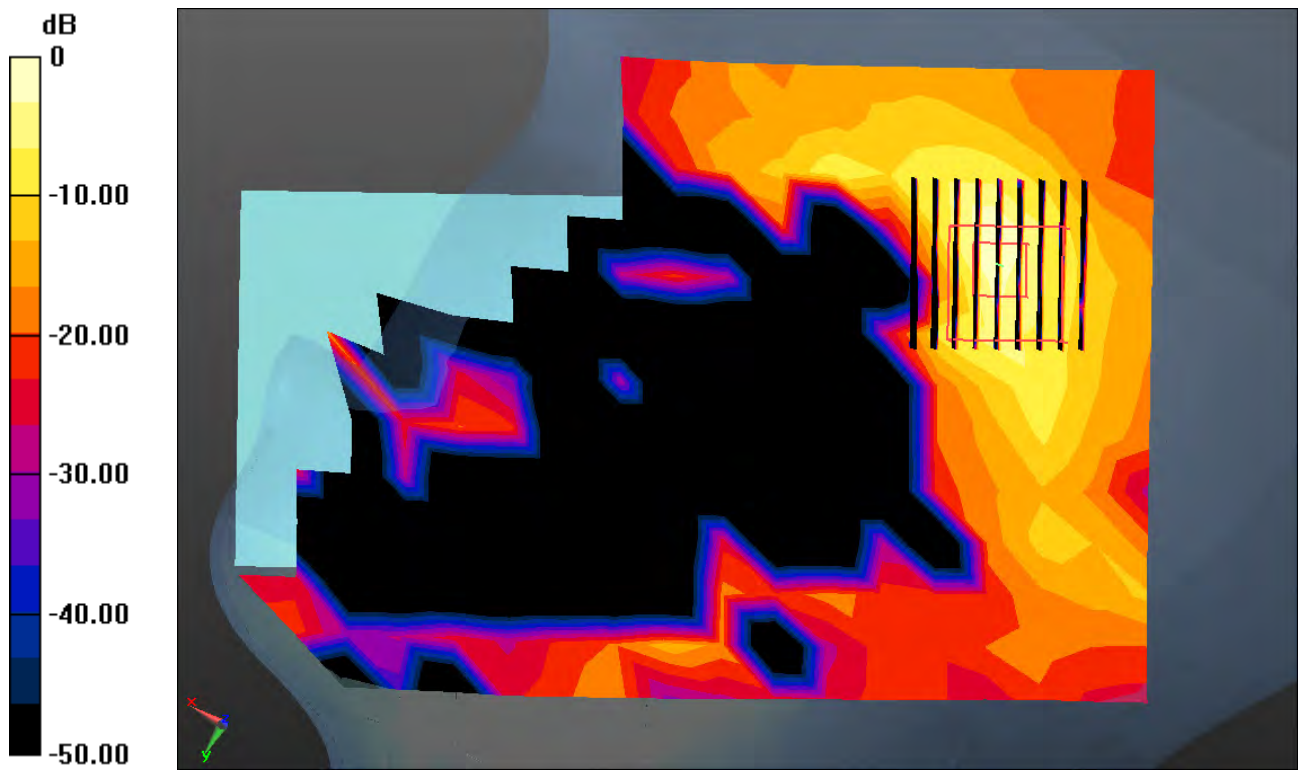
Power Drift = -0.15 dB

Peak SAR (extrapolated) = 1.37 W/kg

SAR(1 g) = 0.306 W/kg; SAR(10 g) = 0.077 W/kg



0 dB = 0.891 W/kg



0 dB = 0.891 W/kg

Enlarged Plot for A19

DT&C Co., Ltd.

DUT: LM-Q850FA; Type: Bar

Communication System: UID 0, W-LAN_5 GHz(FCC) (0); Frequency: 5500 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5500$ MHz; $\sigma = 5.077$ S/m; $\epsilon_r = 35.917$; $\rho = 1000$ kg/m³
Phantom section: Right Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(4.61, 4.61, 4.61); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM-twin right_2013_09_24; Type: QD000P40CD; Serial: TP:1783
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-08-14; Ambient Temp: 21.6; Tissue Temp: 21.2

Right Touch, W-LAN(802.11a - 5.6G) Ch. 100, Ant Internal, Standard Battery, Ant.1

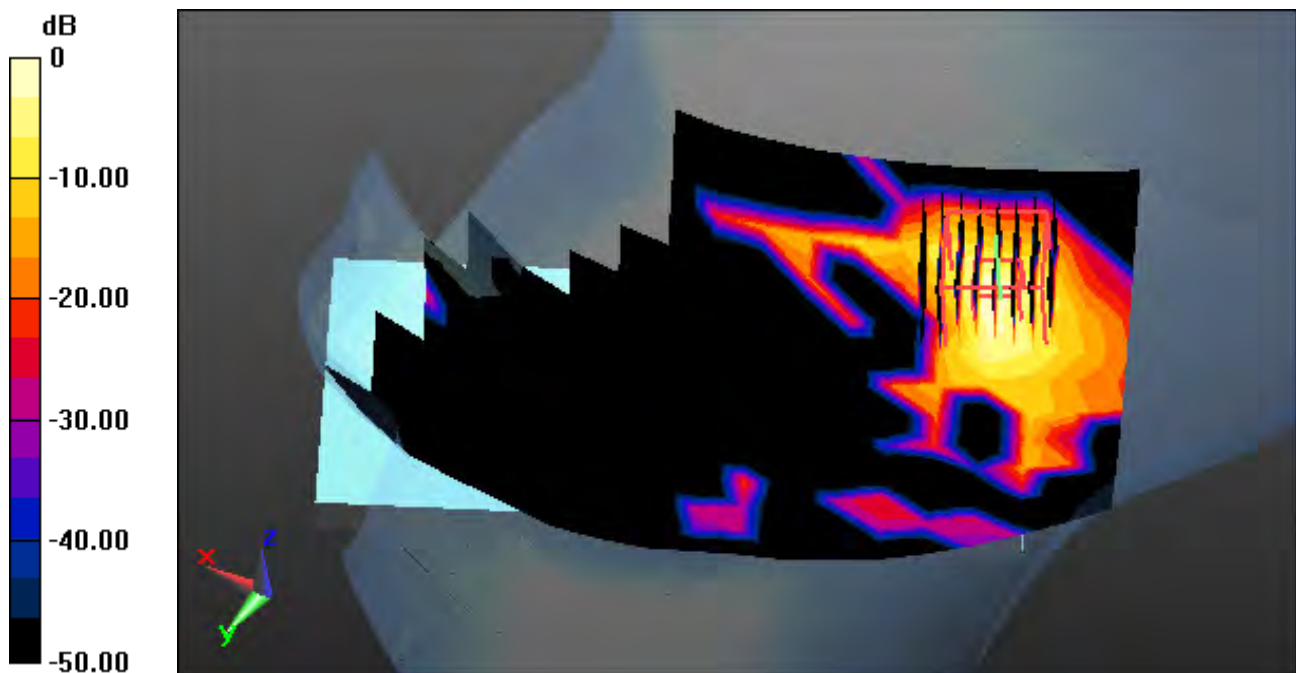
Area Scan (13x21x1): Measurement grid: dx=10mm, dy=10mm

Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4

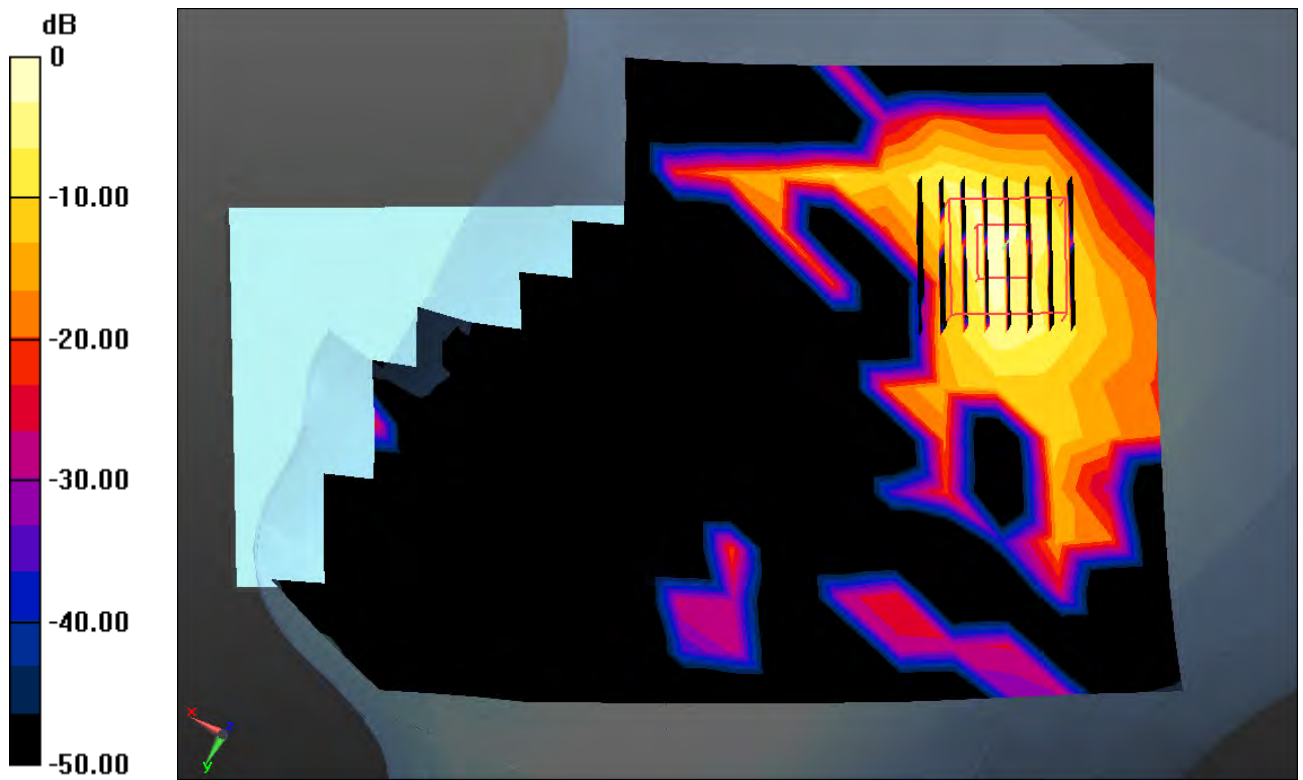
Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.73 W/kg

SAR(1 g) = 0.355 W/kg; SAR(10 g) = 0.090 W/kg



0 dB = 1.07 W/kg



0 dB = 1.07 W/kg

Enlarged Plot for A20

DT&C Co., Ltd.

DUT: LM-Q850FA; Type: Bar

Communication System: UID 0, W-LAN_5 GHz(FCC) (0); Frequency: 5600 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5600$ MHz; $\sigma = 5.19$ S/m; $\epsilon_r = 35.752$; $\rho = 1000$ kg/m³
Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(4.52, 4.52, 4.52); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM-twin right_2013_09_24; Type: QD000P40CD; Serial: TP:1783
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-08-14; Ambient Temp: 21.6; Tissue Temp: 21.2

Left Touch, W-LAN(802.11a - 5.6G) Ch. 120, Ant Internal, Standard Battery, Ant.2

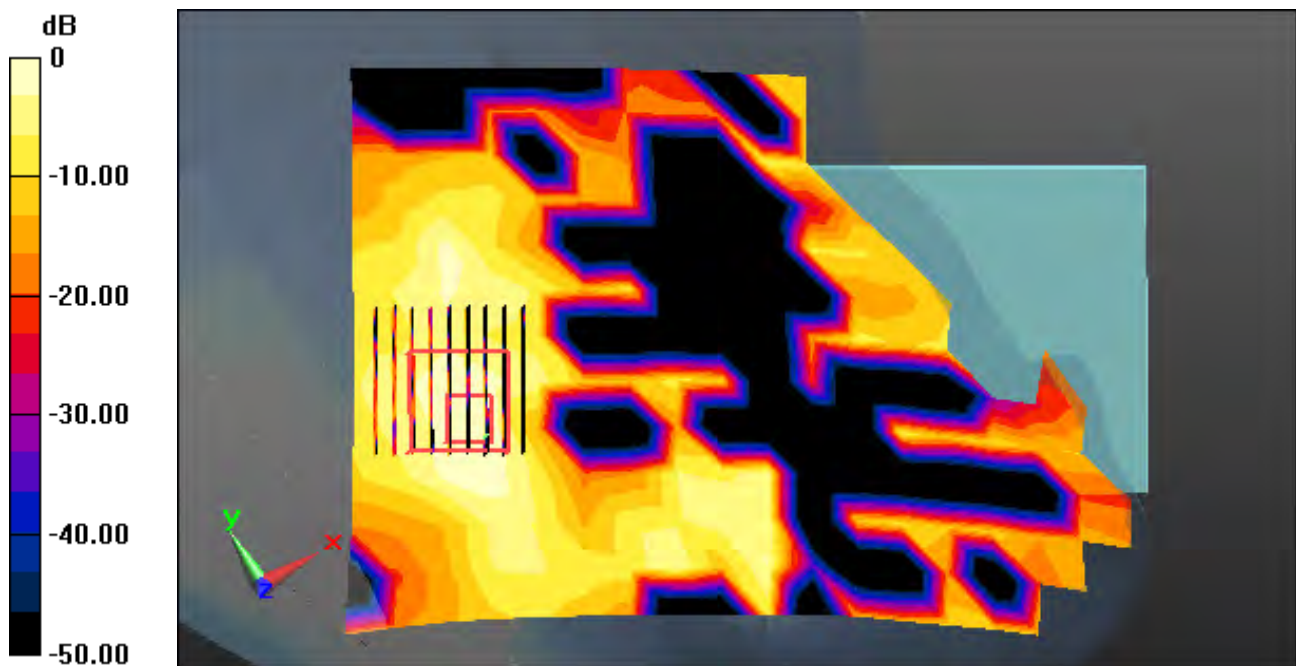
Area Scan (13x21x1): Measurement grid: dx=10mm, dy=10mm

Zoom Scan (9x9x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4

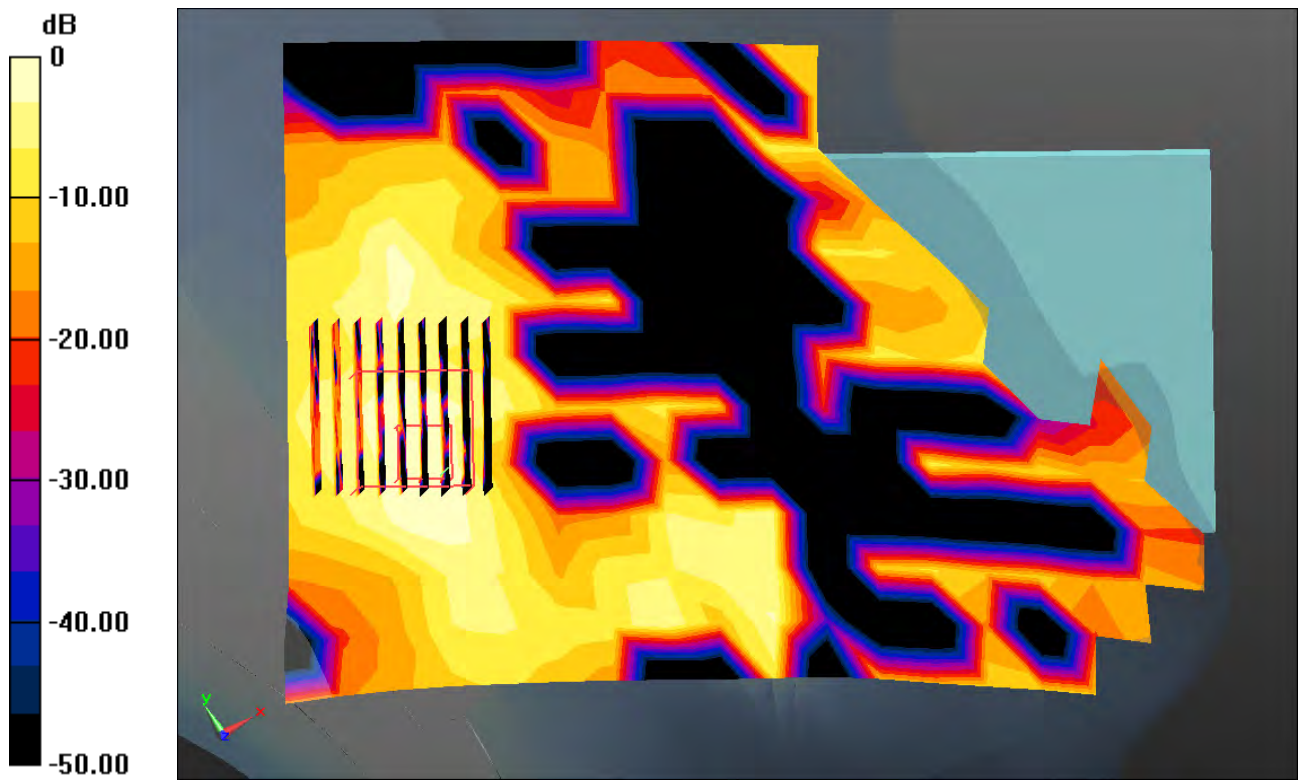
Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.451 W/kg

SAR(1 g) = 0.081 W/kg; SAR(10 g) = 0.026 W/kg



0 dB = 0.260 W/kg



0 dB = 0.260 W/kg

Enlarged Plot for A21

DT&C Co., Ltd.

DUT: LM-Q850FA; Type: Bar

Communication System: UID 0, W-LAN_5 GHz(FCC) (0); Frequency: 5600 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5600$ MHz; $\sigma = 5.19$ S/m; $\epsilon_r = 35.752$; $\rho = 1000$ kg/m³
Phantom section: Right Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(4.52, 4.52, 4.52); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM-twin right_2013_09_24; Type: QD000P40CD; Serial: TP:1783
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-08-14; Ambient Temp: 21.6; Tissue Temp: 21.2

Right Touch, W-LAN(802.11a - 5.6G) Ch. 120, Ant Internal, Standard Battery, MIMO

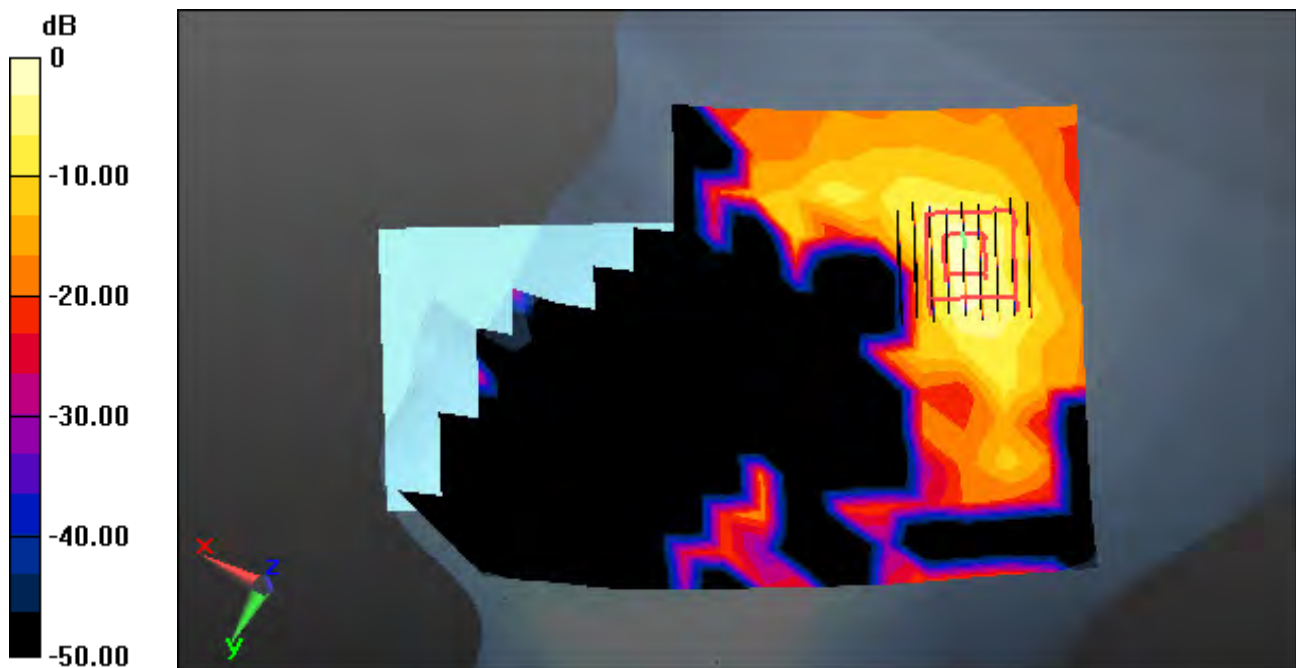
Area Scan (13x21x1): Measurement grid: dx=10mm, dy=10mm

Zoom Scan (8x9x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4

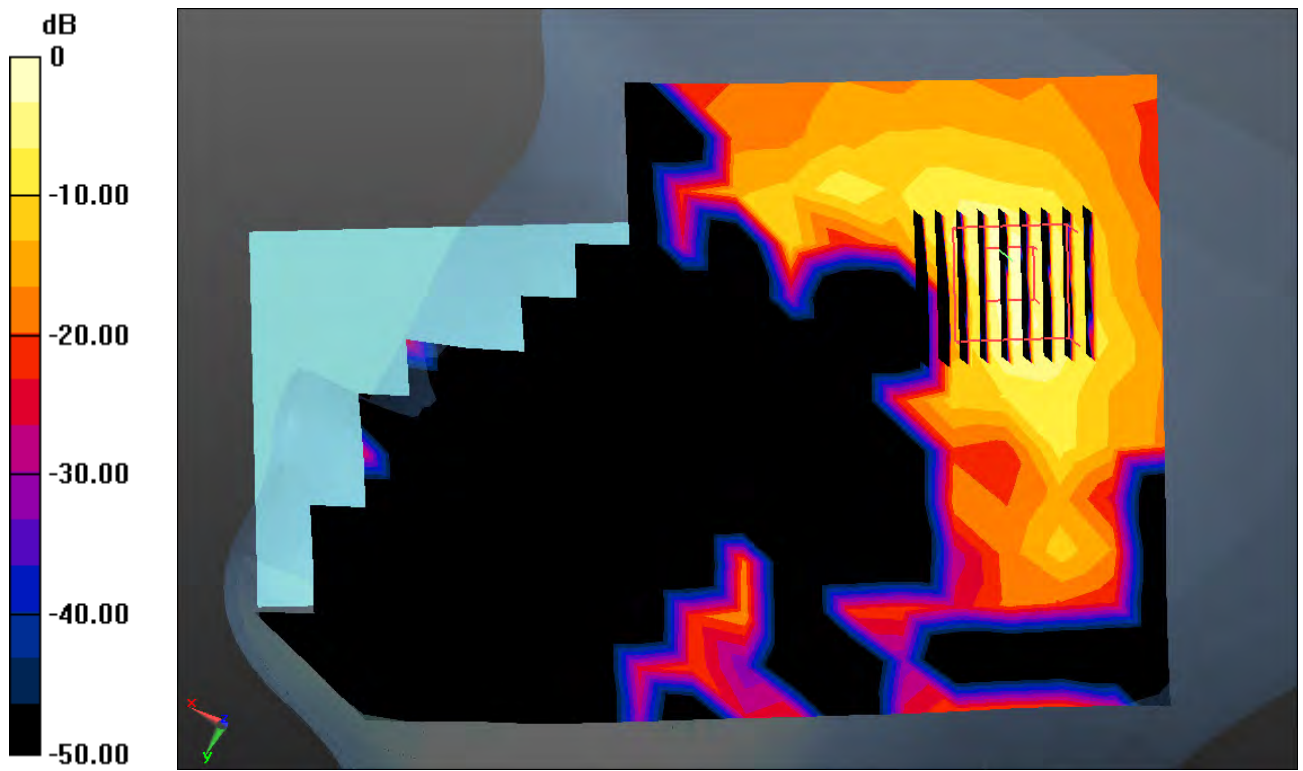
Power Drift = -0.09 dB

Peak SAR (extrapolated) = 1.49 W/kg

SAR(1 g) = 0.323 W/kg; SAR(10 g) = 0.088 W/kg



0 dB = 0.954 W/kg



0 dB = 0.954 W/kg

Enlarged Plot for A22

DT&C Co., Ltd.

DUT: LM-Q850FA; Type: Bar

Communication System: UID 0, W-LAN_5 GHz(FCC) (0); Frequency: 5825 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5825$ MHz; $\sigma = 5.369$ S/m; $\epsilon_r = 34.904$; $\rho = 1000$ kg/m³
Phantom section: Right Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(4.69, 4.69, 4.69); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM-twin right_2013_09_24; Type: QD000P40CD; Serial: TP:1783
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-08-13; Ambient Temp: 21.3; Tissue Temp: 21.5

Right Tilt, W-LAN(802.11a - 5.8G) Ch. 165, Ant Internal, Standard Battery, Ant.1

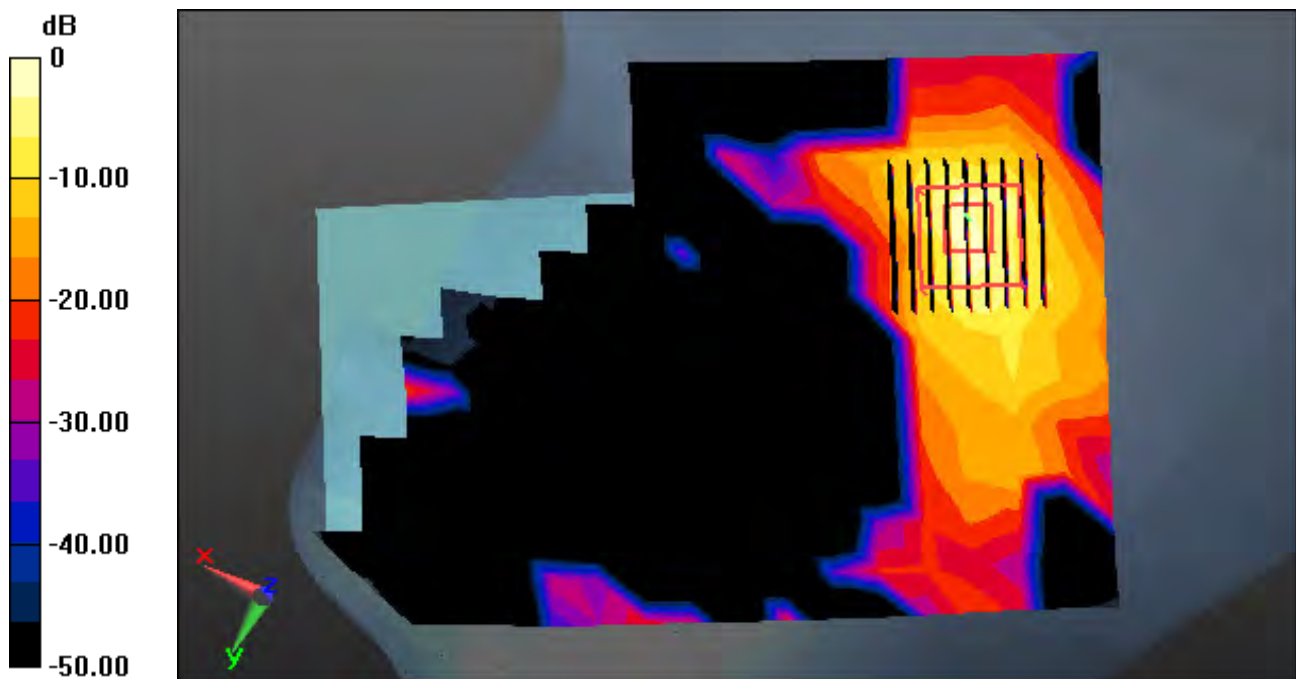
Area Scan (13x21x1): Measurement grid: dx=10mm, dy=10mm

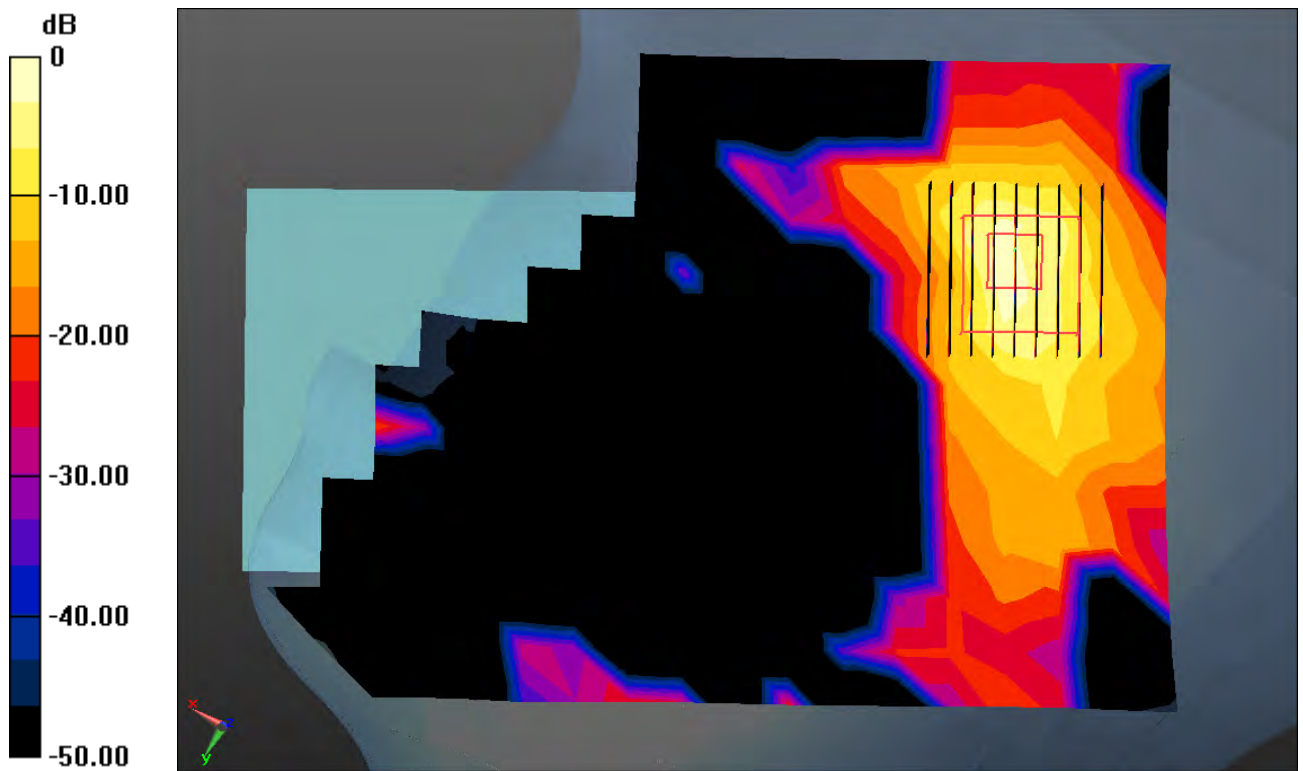
Zoom Scan (9x9x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4

Power Drift = 0.10 dB

Peak SAR (extrapolated) = 2.78 W/kg

SAR(1 g) = 0.291 W/kg; SAR(10 g) = 0.075 W/kg





0 dB = 0.899 W/kg

Enlarged Plot for A23

DT&C Co., Ltd.

DUT: LM-Q850FA; Type: Bar

Communication System: UID 0, W-LAN_5 GHz(FCC) (0); Frequency: 5785 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5785 \text{ MHz}$; $\sigma = 5.32 \text{ S/m}$; $\epsilon_r = 34.986$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(4.69, 4.69, 4.69); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM-twin right_2013_09_24; Type: QD000P40CD; Serial: TP:1783
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-08-13; Ambient Temp: 21.3; Tissue Temp: 21.5

Left Tilt, W-LAN(802.11a - 5.8G) Ch. 157, Ant Internal, Standard Battery, Ant.2

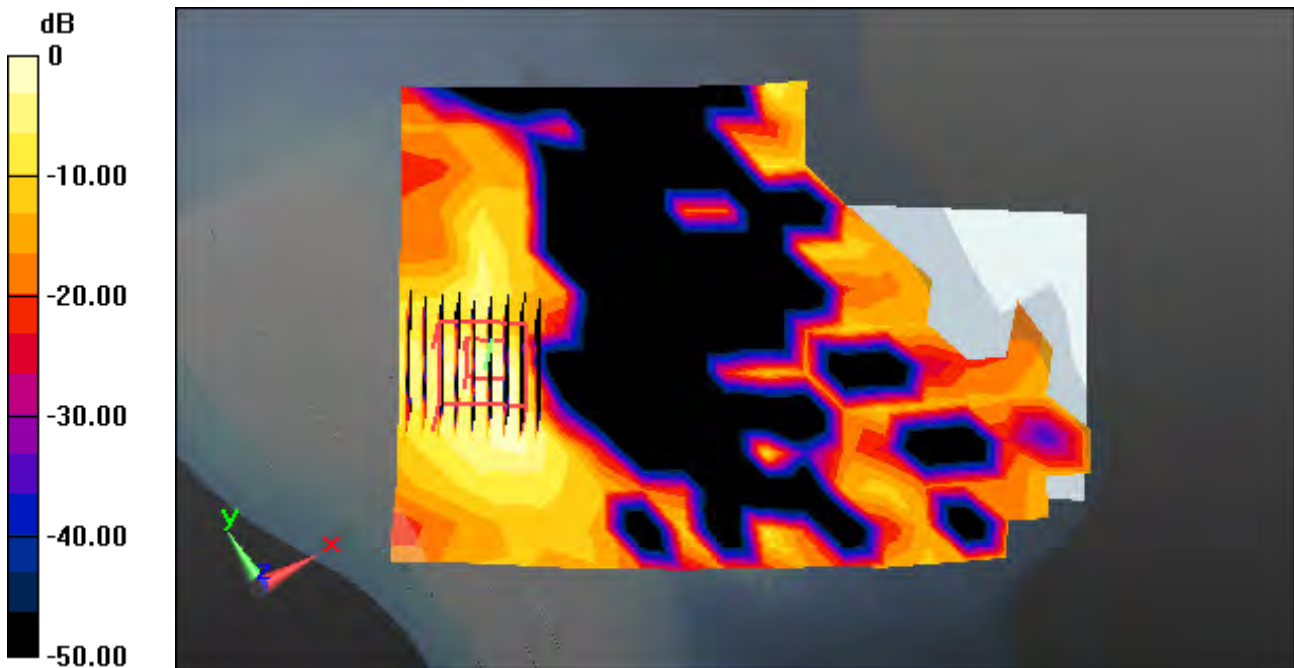
Area Scan (13x21x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Zoom Scan (9x9x7)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=1.4\text{mm}$, Graded Ratio: 1.4

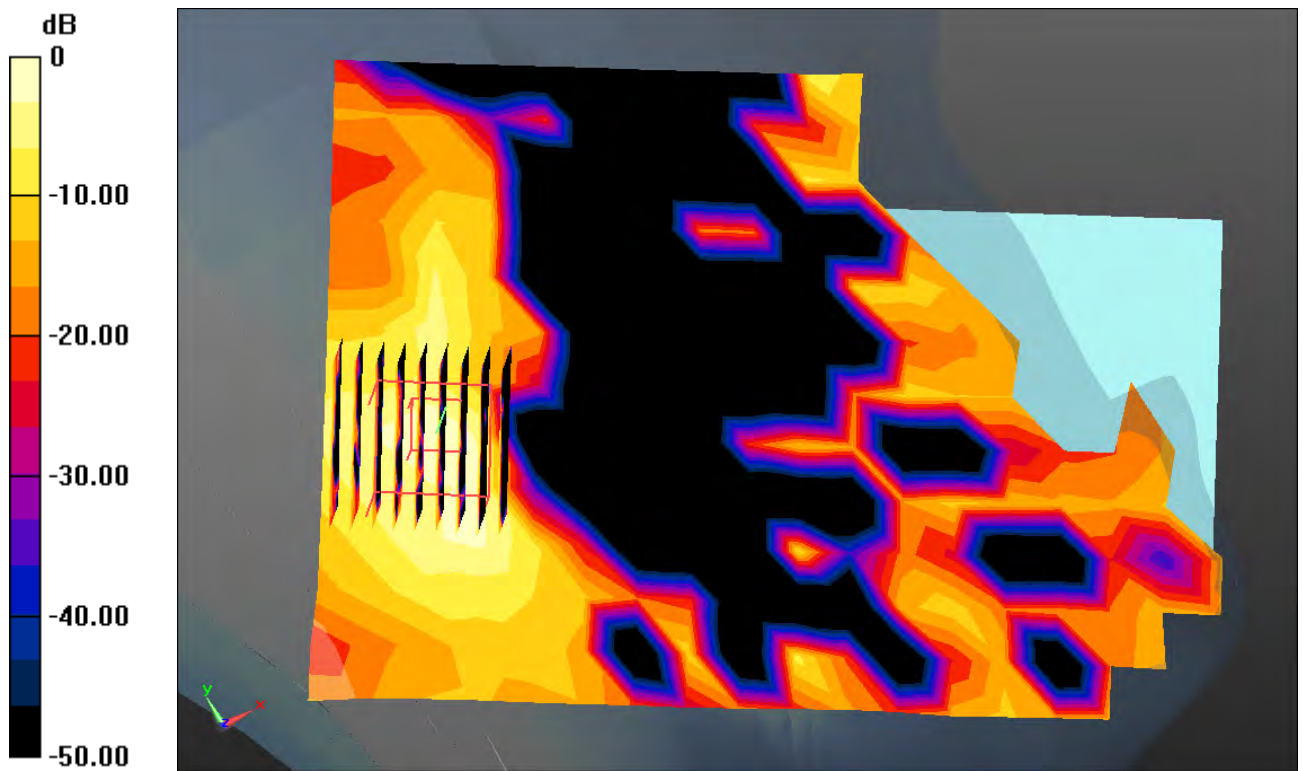
Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.502 W/kg

SAR(1 g) = 0.102 W/kg; SAR(10 g) = 0.033 W/kg



0 dB = 0.301 W/kg



0 dB = 0.301 W/kg

Enlarged Plot for A24

DT&C Co., Ltd.

DUT: LM-Q850FA; Type: Bar

Communication System: UID 0, W-LAN_5 GHz(FCC) (0); Frequency: 5785 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5785$ MHz; $\sigma = 5.32$ S/m; $\epsilon_r = 34.986$; $\rho = 1000$ kg/m³
Phantom section: Right Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(4.69, 4.69, 4.69); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM-twin right_2013_09_24; Type: QD000P40CD; Serial: TP:1783
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-08-13; Ambient Temp: 21.3; Tissue Temp: 21.5

Right Tilt, W-LAN(802.11a - 5.8G) Ch. 157, Ant Internal, Standard Battery, MIMO

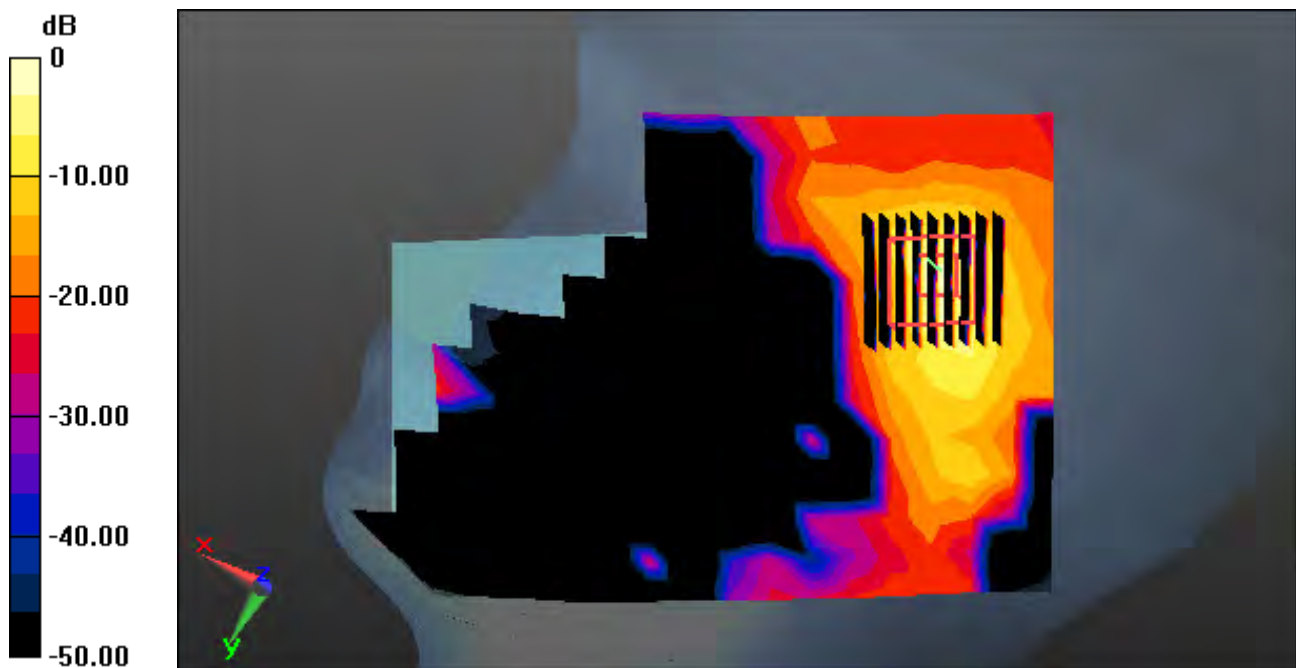
Area Scan (13x21x1): Measurement grid: dx=10mm, dy=10mm

Zoom Scan (9x9x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4

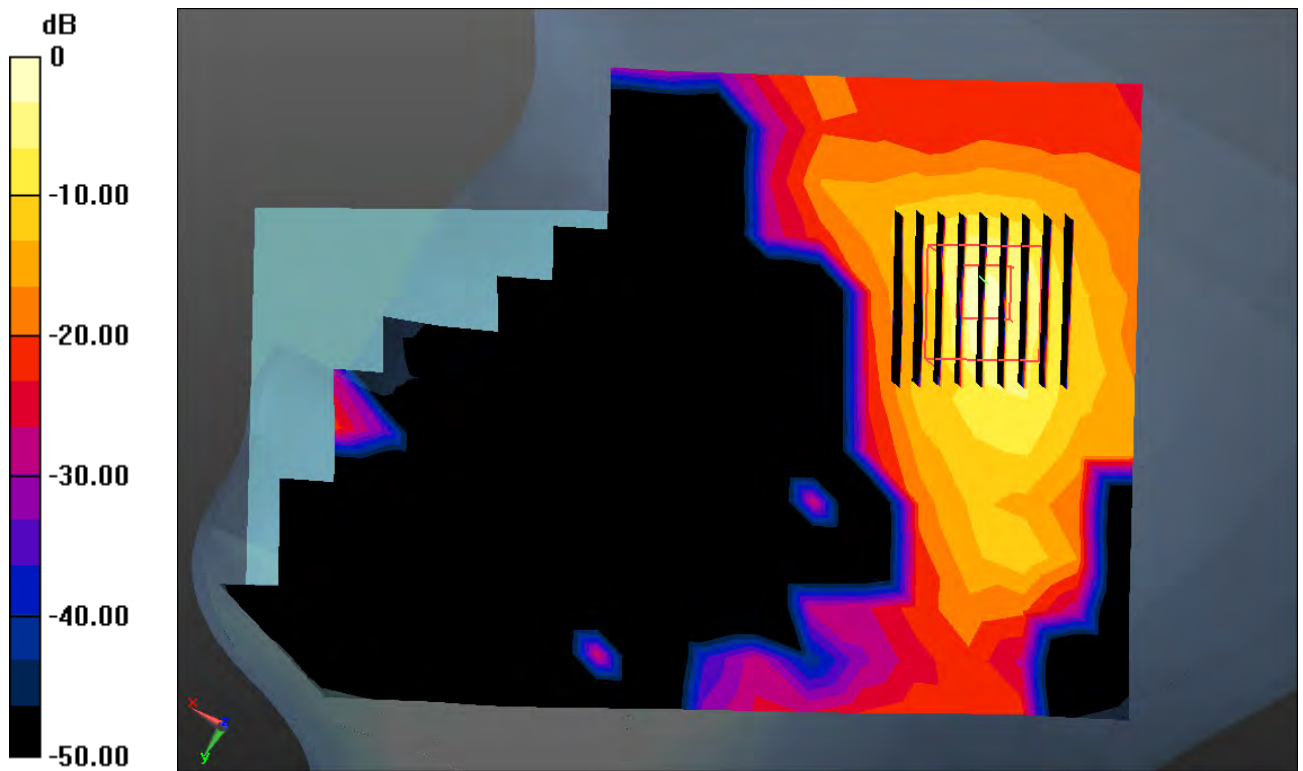
Power Drift = -0.00 dB

Peak SAR (extrapolated) = 1.44 W/kg

SAR(1 g) = 0.286 W/kg; SAR(10 g) = 0.076 W/kg



0 dB = 0.887 W/kg



0 dB = 0.887 W/kg

Enlarged Plot for A25

DT&C Co., Ltd.

DUT: LM-Q850FA; Type: Bar

Communication System: UID 0, Bluetooth (0); Frequency: 2441 MHz; Duty Cycle: 1:1.302
Medium parameters used: $f = 2441$ MHz; $\sigma = 1.833$ S/m; $\epsilon_r = 40.264$; $\rho = 1000$ kg/m³
Phantom section: Right Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(7.45, 7.45, 7.45); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM-twin right_2013_09_24; Type: QD000P40CD; Serial: TP:1783
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-08-23; Ambient Temp: 21.3; Tissue Temp: 21.5

Right Tilt, Bluetooth 1Mbps Ch. 39, Ant Internal, Standard Battery

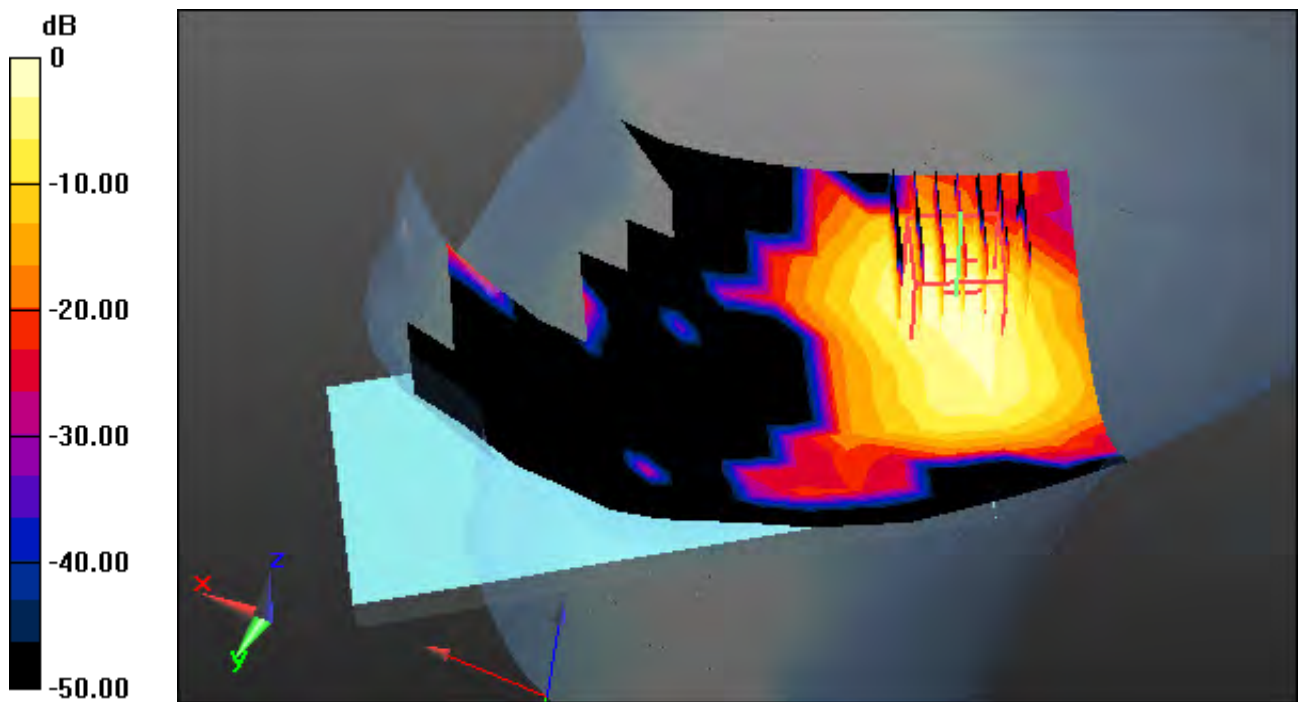
Area Scan (11x16x1): Measurement grid: dx=12mm, dy=12mm

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

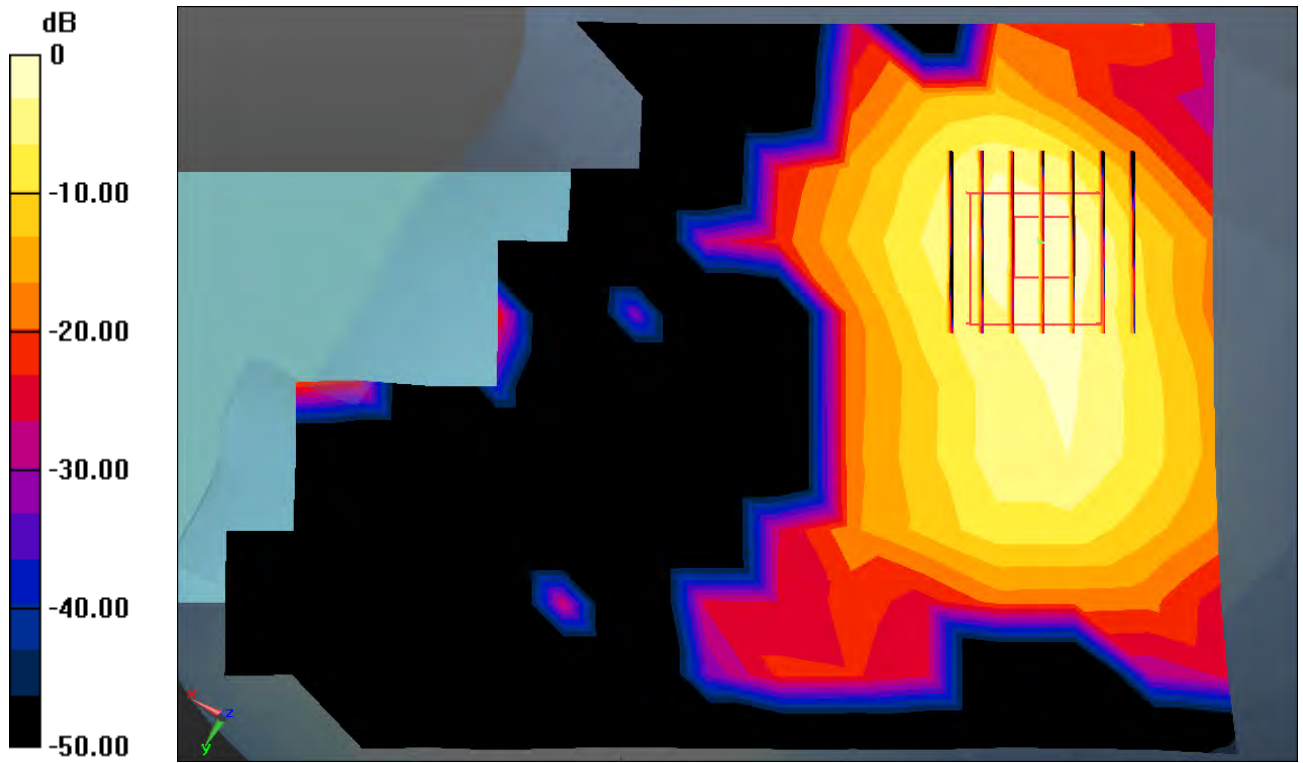
Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.206 W/kg

SAR(1 g) = 0.079 W/kg; SAR(10 g) = 0.033 W/kg



0 dB = 0.133 W/kg



0 dB = 0.133 W/kg

Enlarged Plot for A26

DT&C Co., Ltd.

DUT: LM-Q850FA; Type: Bar

Communication System: UID 0, GSM 850 (0); Frequency: 836.6 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 836.6$ MHz; $\sigma = 0.986$ S/m; $\epsilon_r = 53.693$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: ES3DV3 - SN3328; ConvF(6.23, 6.23, 6.23); Calibrated: 3/21/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-08-08; Ambient Temp: 20.5; Tissue Temp: 21.0

1 cm space from Body, Rear, GSM850 Ch. 190, Ant Internal

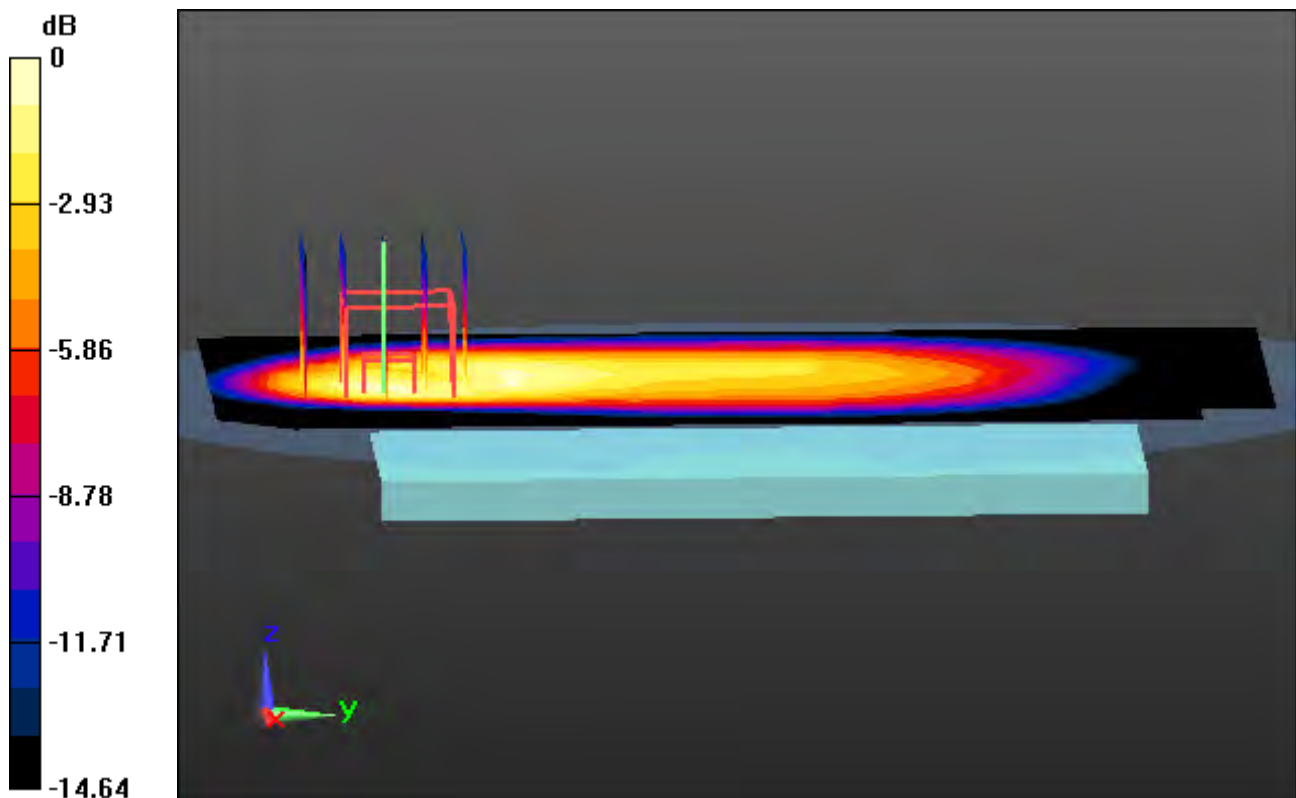
Area Scan (10x15x1): Measurement grid: dx=15mm, dy=15mm

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

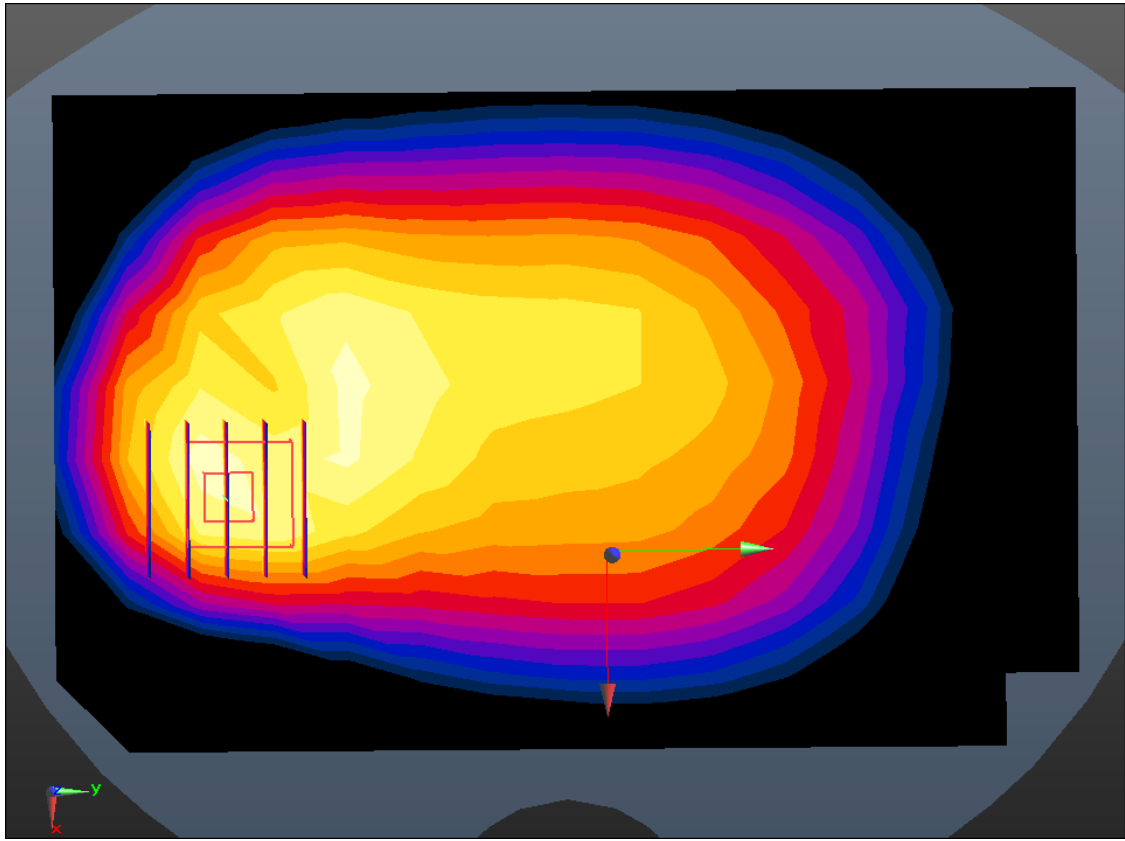
Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.551 W/kg

SAR(1 g) = 0.318 W/kg; SAR(10 g) = 0.184 W/kg



0 dB = 0.394 W/kg



Enlarged Plot for A27

DT&C Co., Ltd.

DUT: LM-Q850FA; Type: Bar

Communication System: UID 0, GSM 850_12 (0); Frequency: 836.6 MHz; Duty Cycle: 1:2.075
Medium parameters used: $f = 836.6$ MHz; $\sigma = 0.986$ S/m; $\epsilon_r = 53.693$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: ES3DV3 - SN3328; ConvF(6.23, 6.23, 6.23); Calibrated: 3/21/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-08-08; Ambient Temp: 20.5; Tissue Temp: 21.0

1 cm space from Body, Rear, GSM850 GPRS 4Tx Ch. 190, Ant Internal

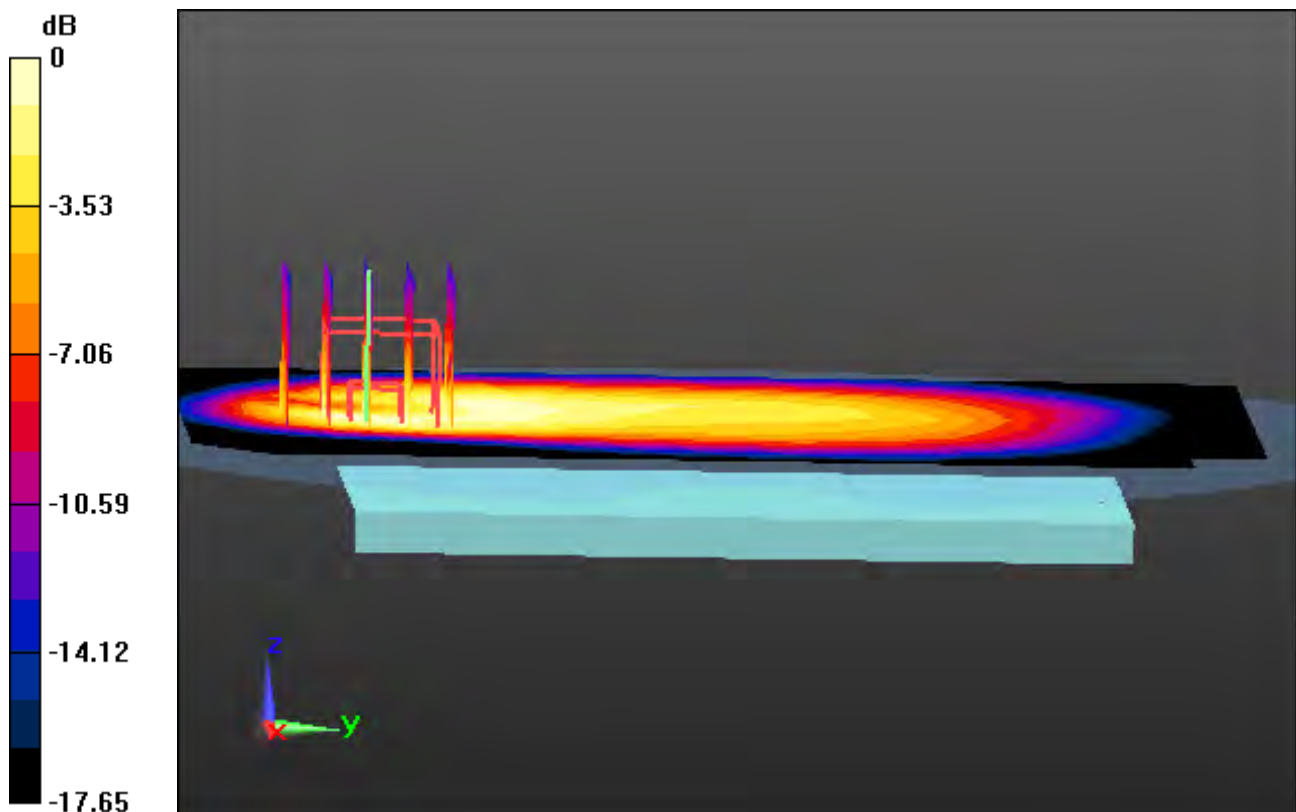
Area Scan (10x15x1): Measurement grid: dx=15mm, dy=15mm

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

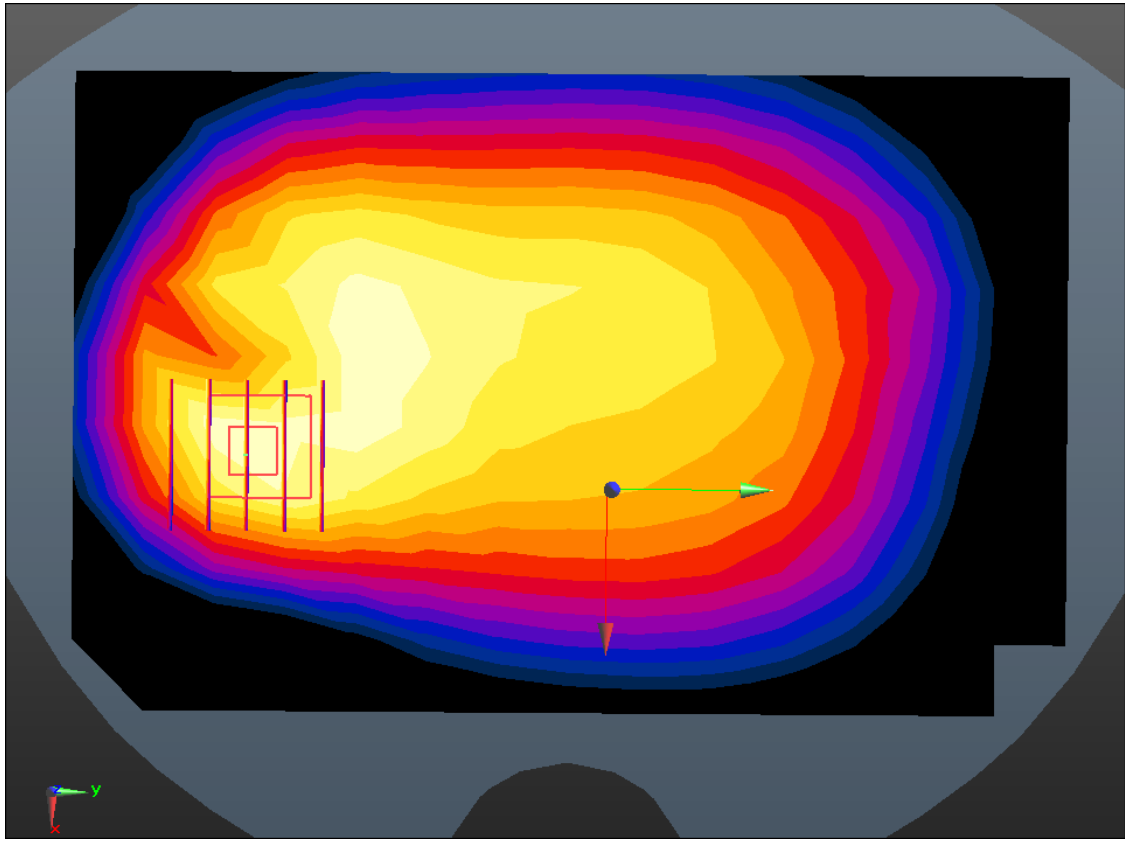
Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.614 W/kg

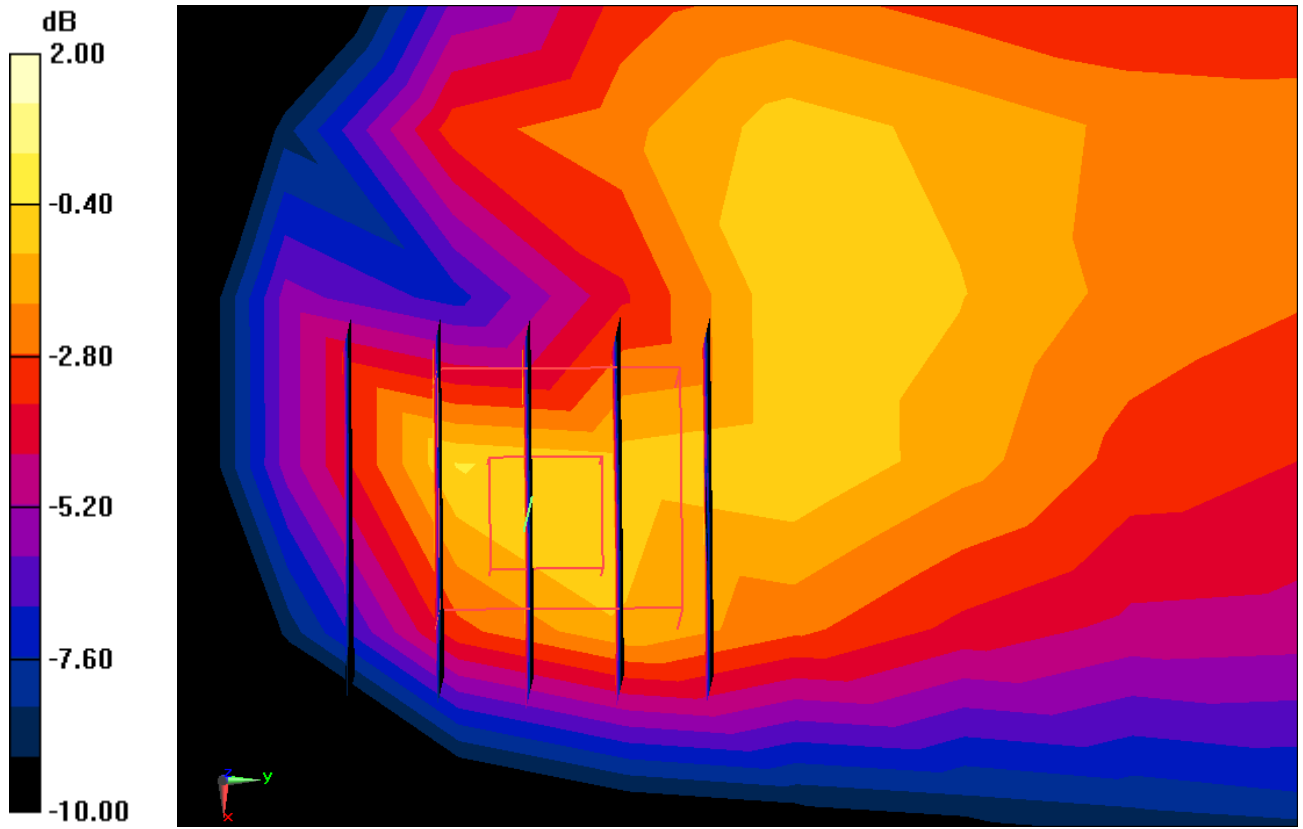
SAR(1 g) = 0.363 W/kg; SAR(10 g) = 0.211 W/kg



0 dB = 0.445 W/kg



Enlarged Plot for A28



Enlarged Plot for A28

DT&C Co., Ltd.

DUT: LM-Q850FA; Type: Bar

Communication System: UID 0, PCS 1900 (0); Frequency: 1880 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1880$ MHz; $\sigma = 1.535$ S/m; $\epsilon_r = 51.373$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: ES3DV3 - SN3328; ConvF(4.88, 4.88, 4.88); Calibrated: 3/21/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-08-09; Ambient Temp: 20.7; Tissue Temp: 21.1

1 cm space from Body, Rear, PCS1900 Ch. 661, Ant Internal

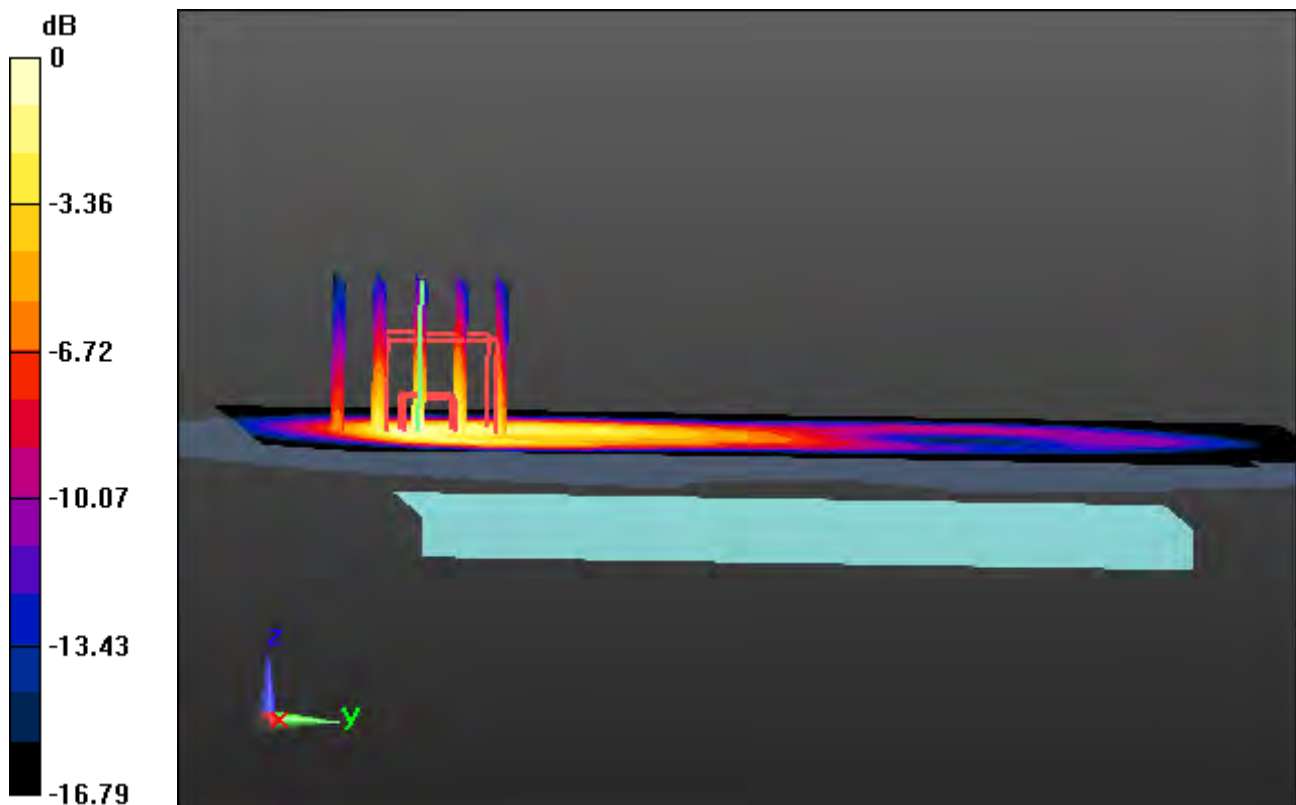
Area Scan (10x15x1): Measurement grid: dx=15mm, dy=15mm

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

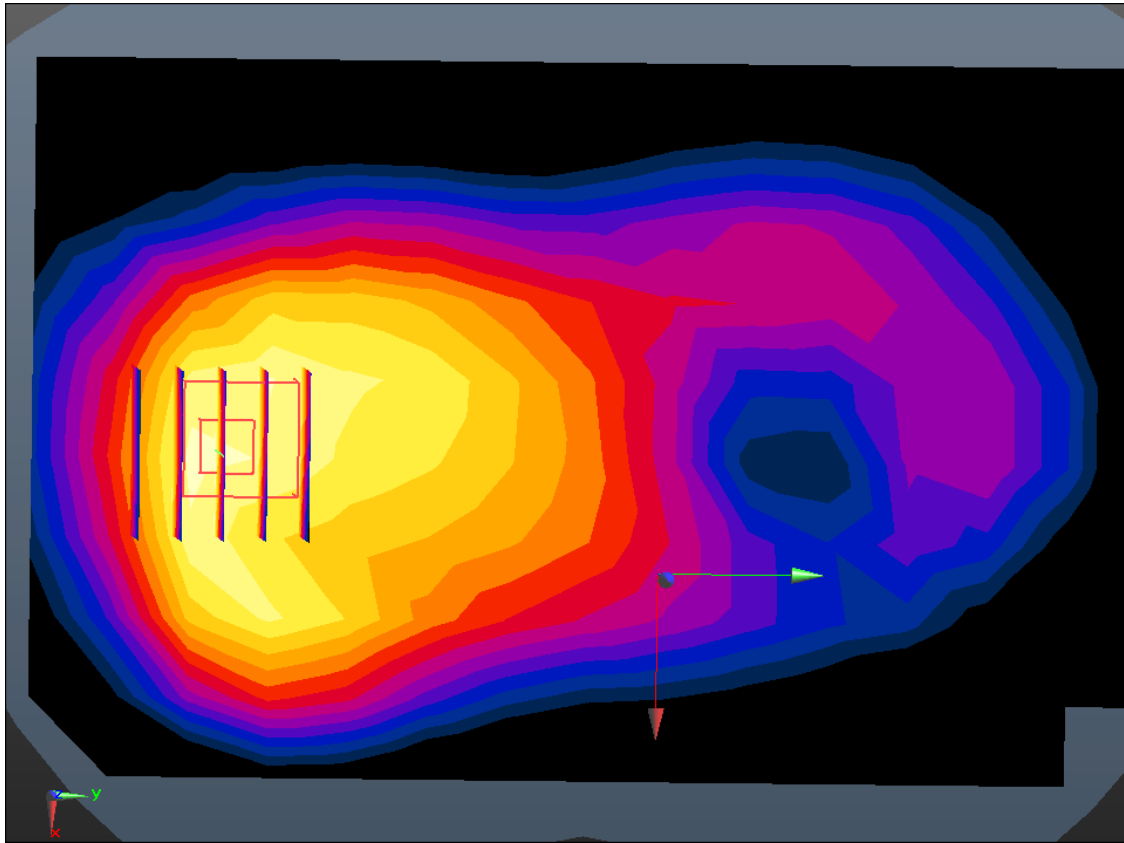
Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.716 W/kg

SAR(1 g) = 0.453 W/kg; SAR(10 g) = 0.271 W/kg



0 dB = 0.546 W/kg



Enlarged Plot for A29

DT&C Co., Ltd.

DUT: LM-Q850FA; Type: Bar

Communication System: UID 0, PCS1900_Class 10 (0); Frequency: 1880 MHz; Duty Cycle: 1:4.15
Medium parameters used: $f = 1880$ MHz; $\sigma = 1.535$ S/m; $\epsilon_r = 51.373$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: ES3DV3 - SN3328; ConvF(4.88, 4.88, 4.88); Calibrated: 3/21/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-08-09; Ambient Temp: 20.7; Tissue Temp: 21.1

1 cm space from Body, Rear, PCS1900 GPRS 2Tx Ch. 661, Ant Internal

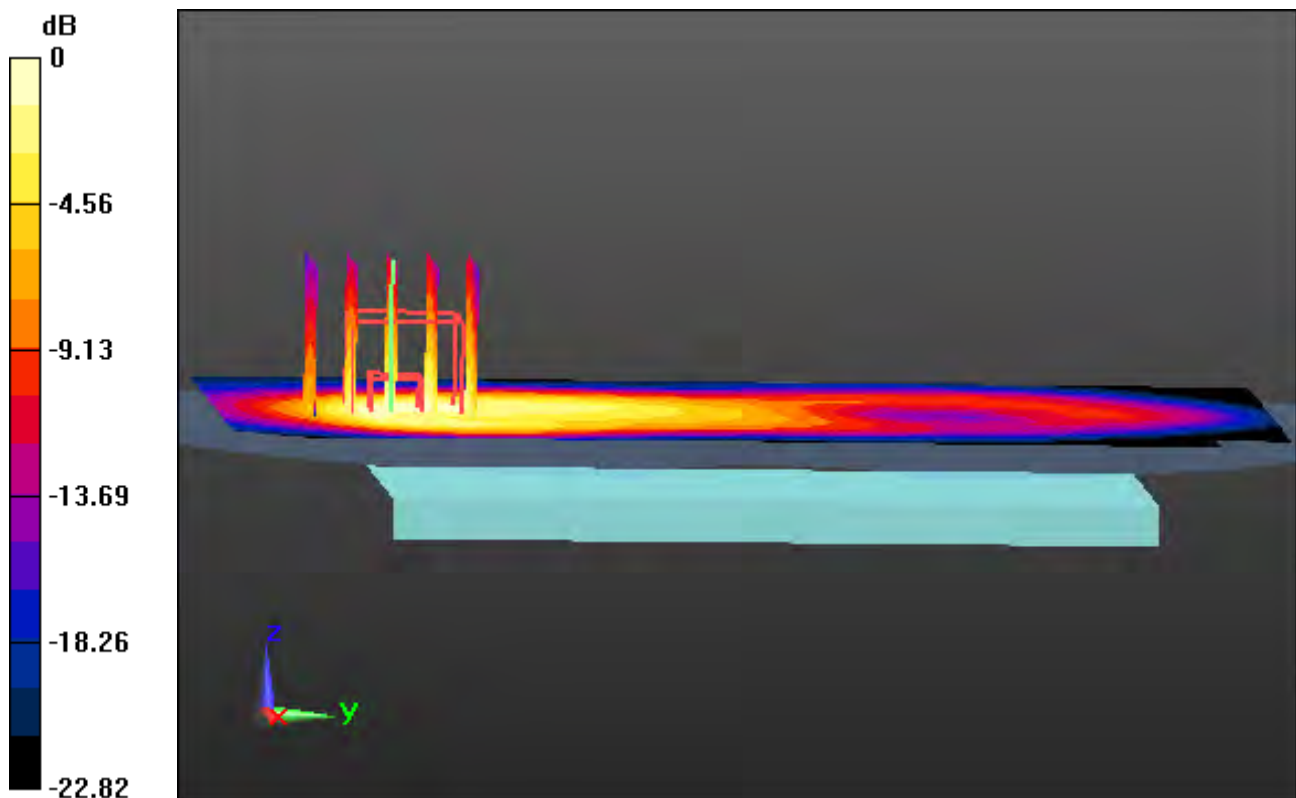
Area Scan (10x15x1): Measurement grid: dx=15mm, dy=15mm

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

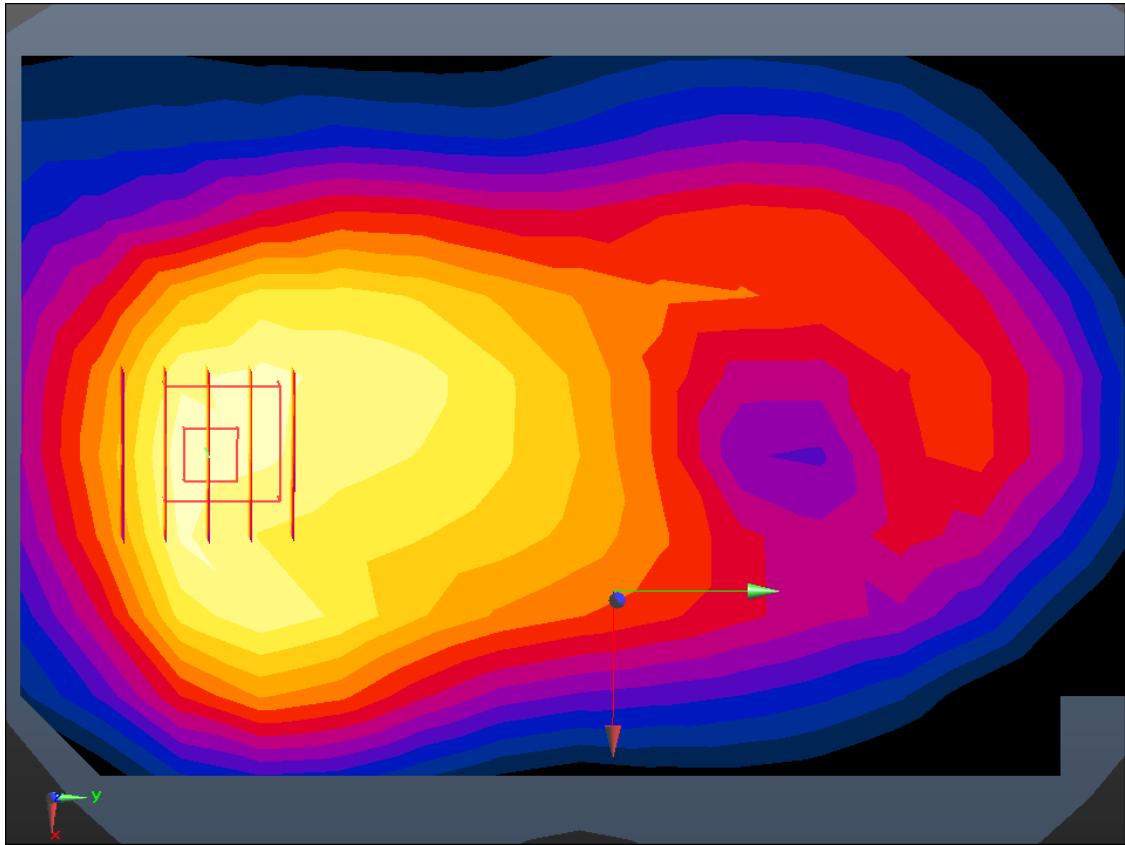
Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.26 W/kg

SAR(1 g) = 0.781 W/kg; SAR(10 g) = 0.467 W/kg



0 dB = 0.939 W/kg



Enlarged Plot for A30

DT&C Co., Ltd.

DUT: LM-Q850FA; Type: Bar

Communication System: UID 0, WCDMA 850 (0); Frequency: 836.6 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 836.6$ MHz; $\sigma = 0.987$ S/m; $\epsilon_r = 53.706$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: ES3DV3 - SN3328; ConvF(6.23, 6.23, 6.23); Calibrated: 3/21/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-08-14; Ambient Temp: 21.0; Tissue Temp: 21.4

1 cm space from Body, Rear, WCDMA Band 5 Ch. 4183, Ant Internal

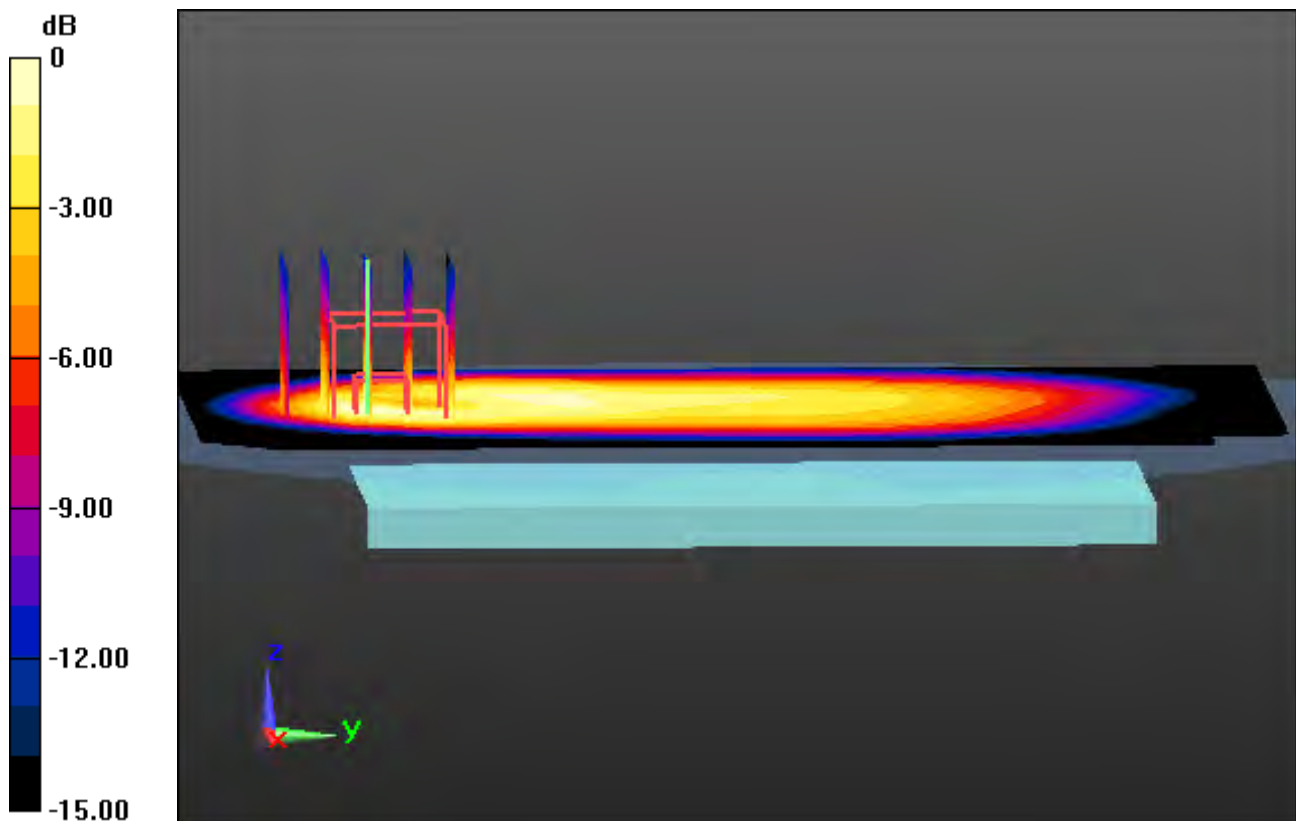
Area Scan (10x15x1): Measurement grid: dx=15mm, dy=15mm

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

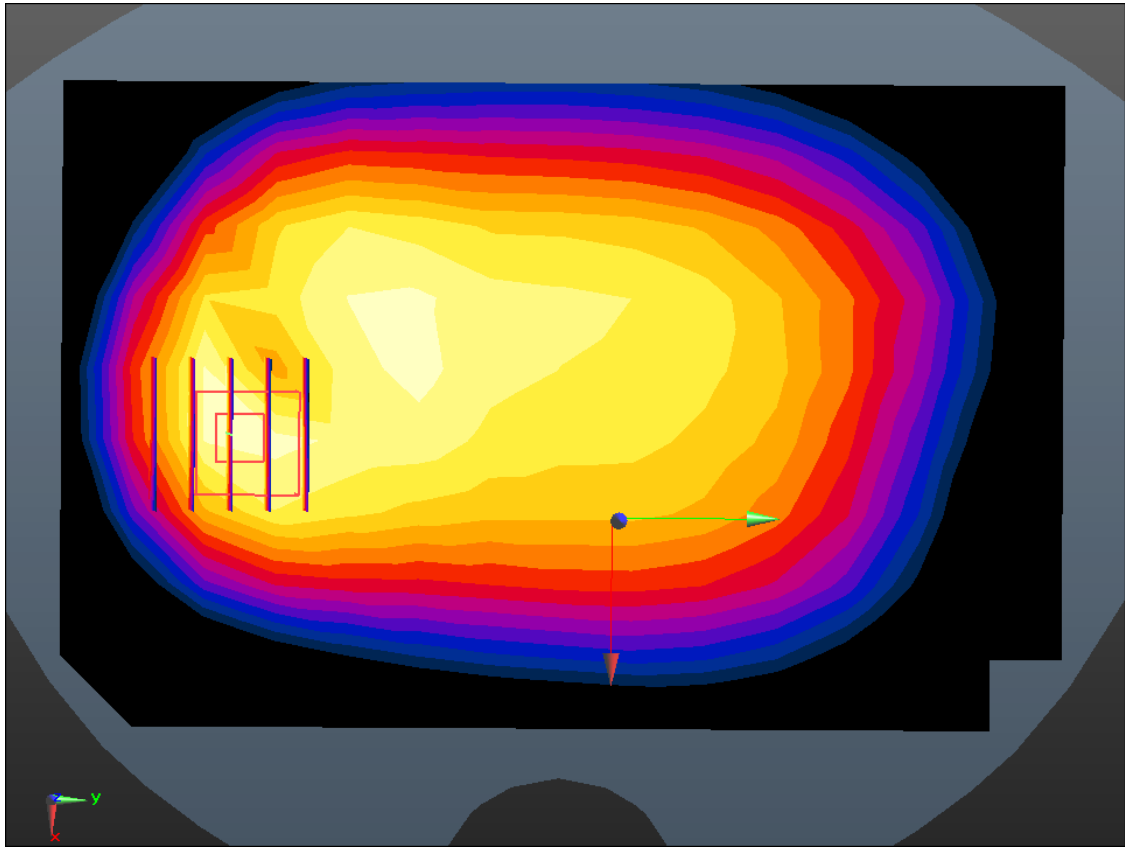
Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.845 W/kg

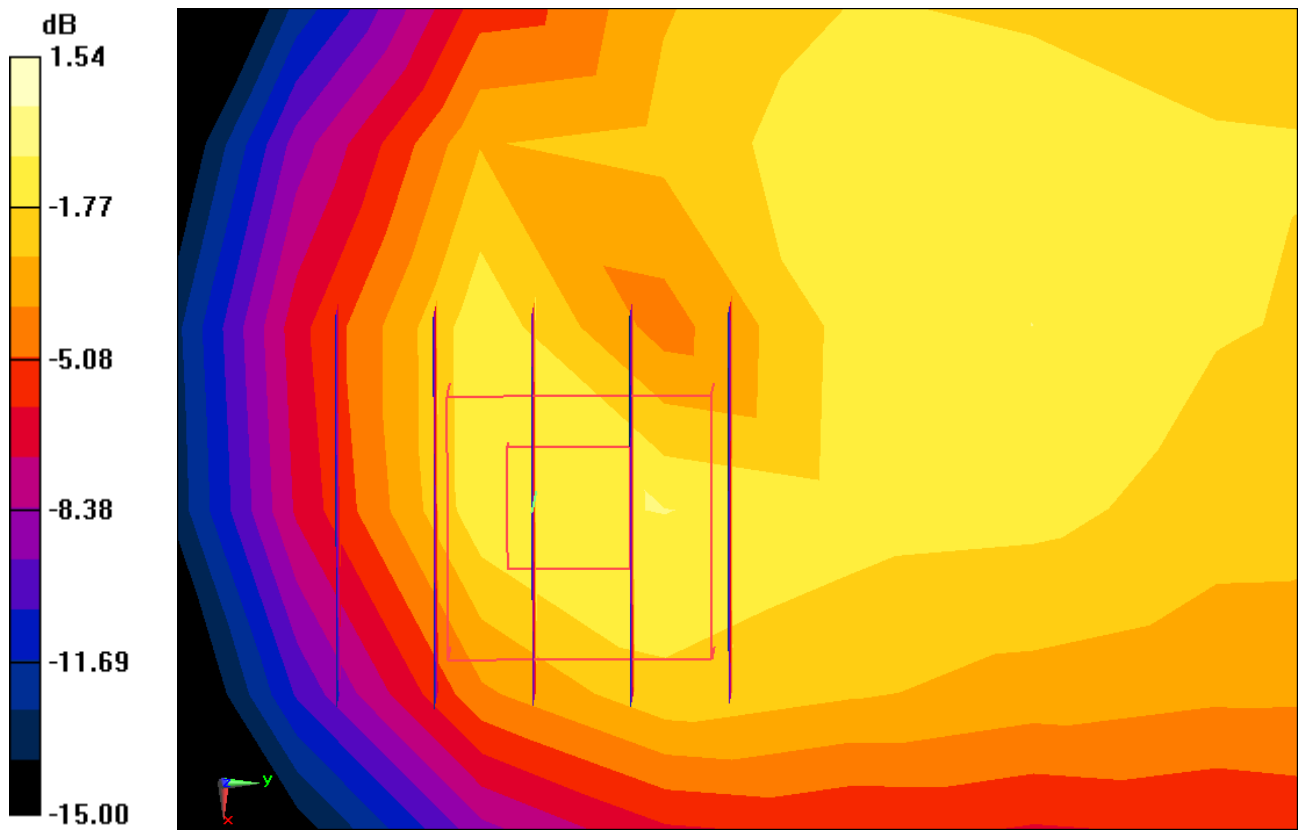
SAR(1 g) = 0.484 W/kg; SAR(10 g) = 0.279 W/kg



0 dB = 0.595 W/kg



Enlarged Plot for A31



Enlarged Plot for A31

DT&C Co., Ltd.

DUT: LM-Q850FA; Type: Bar

Communication System: UID 0, WCDMA Band 4 (0); Frequency: 1732.4 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1732.4$ MHz; $\sigma = 1.52$ S/m; $\epsilon_r = 52.896$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: ES3DV3 - SN3328; ConvF(5.1, 5.1, 5.1); Calibrated: 3/21/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-08-13; Ambient Temp: 20.5; Tissue Temp: 21.3

1 cm space from Body, Rear, WCDMA Band 4 Ch. 1412, Ant Internal

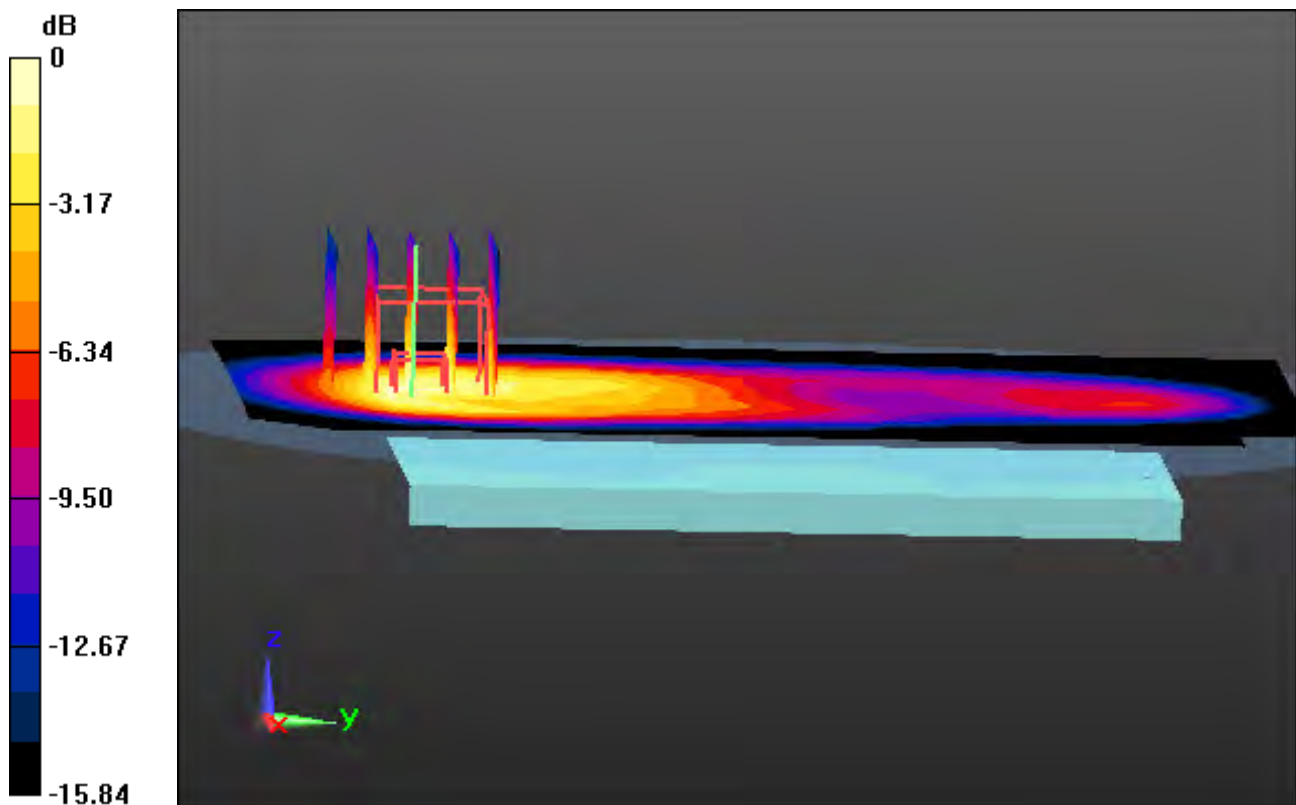
Area Scan (10x15x1): Measurement grid: dx=15mm, dy=15mm

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

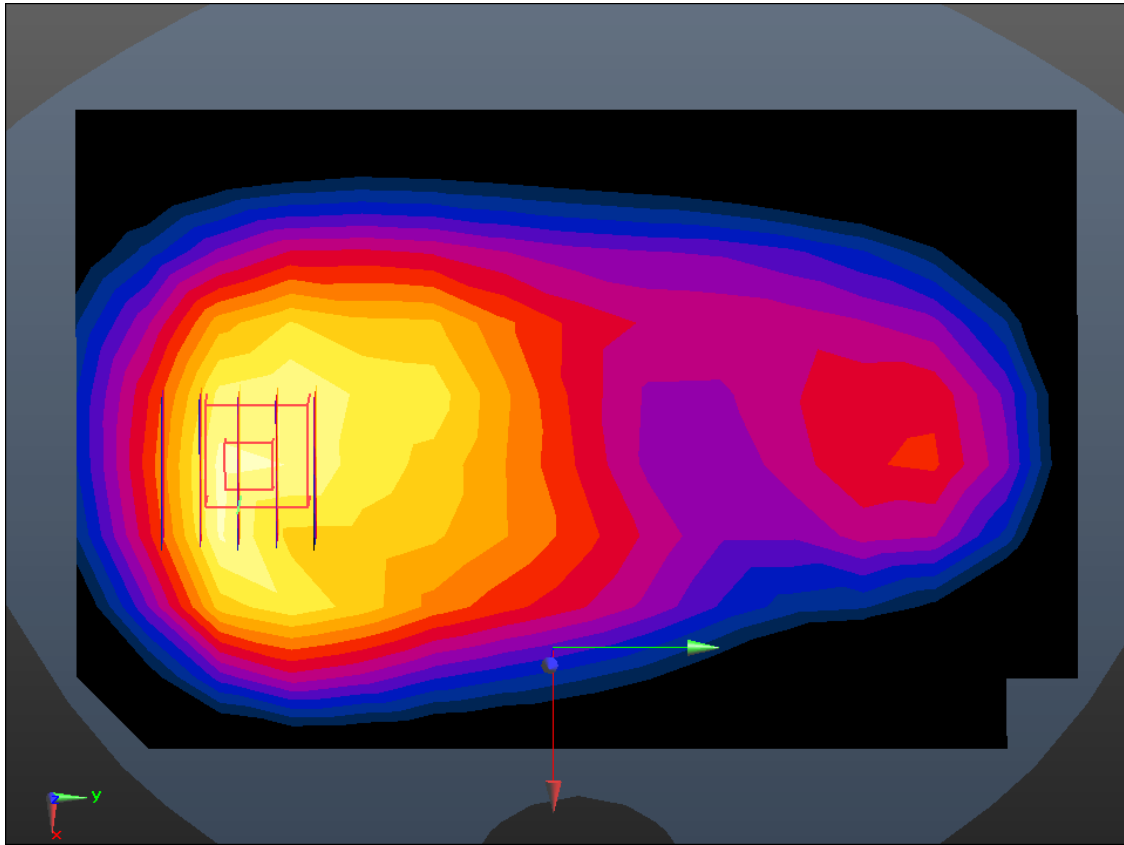
Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.817 W/kg

SAR(1 g) = 0.529 W/kg; SAR(10 g) = 0.323 W/kg



0 dB = 0.631 W/kg



Enlarged Plot for A32

DT&C Co., Ltd.

DUT: LM-Q850FA; Type: Bar

Communication System: UID 0, WCDMA 1900 (0); Frequency: 1880 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1880$ MHz; $\sigma = 1.532$ S/m; $\epsilon_r = 51.662$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: ES3DV3 - SN3328; ConvF(4.88, 4.88, 4.88); Calibrated: 3/21/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-08-10; Ambient Temp: 20.4; Tissue Temp: 21.0

1 cm space from Body, Rear, WCDMA Band 2 Ch. 9400, Ant Internal

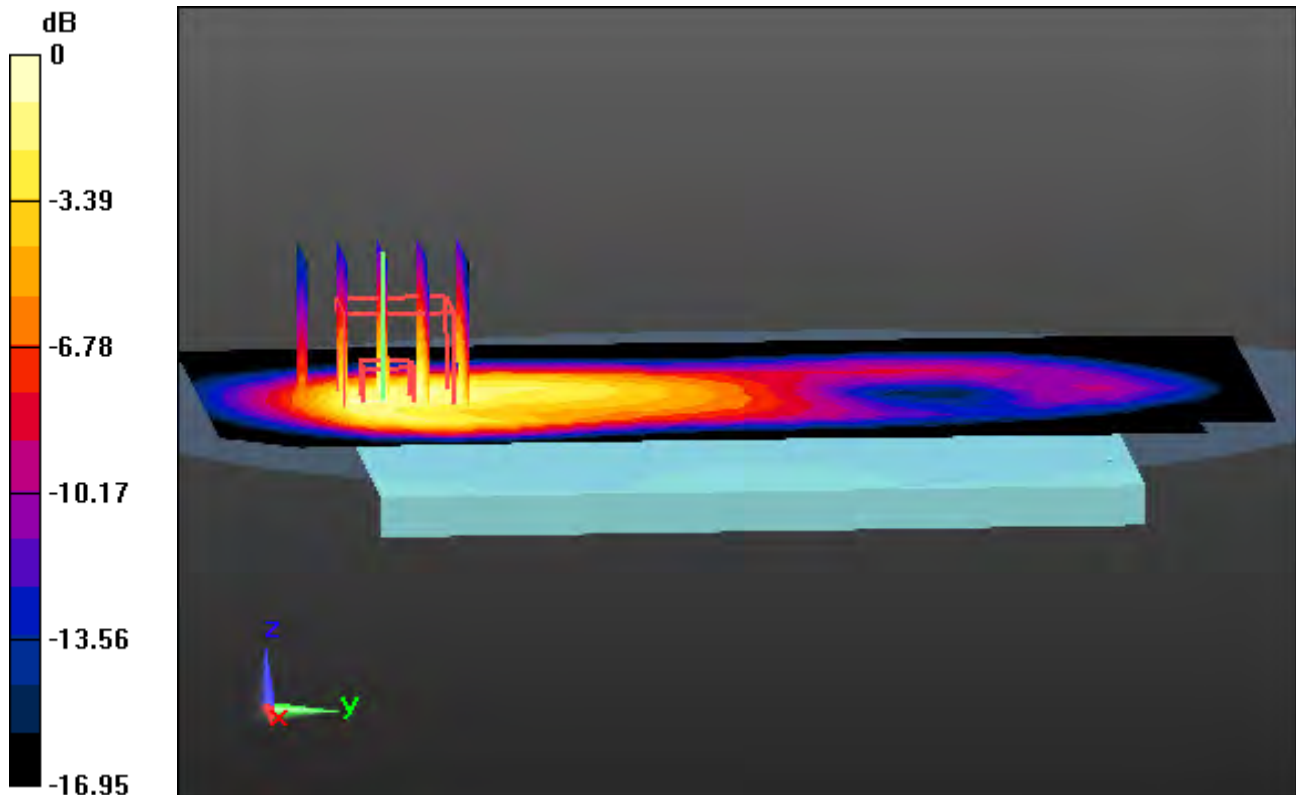
Area Scan (10x15x1): Measurement grid: dx=15mm, dy=15mm

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

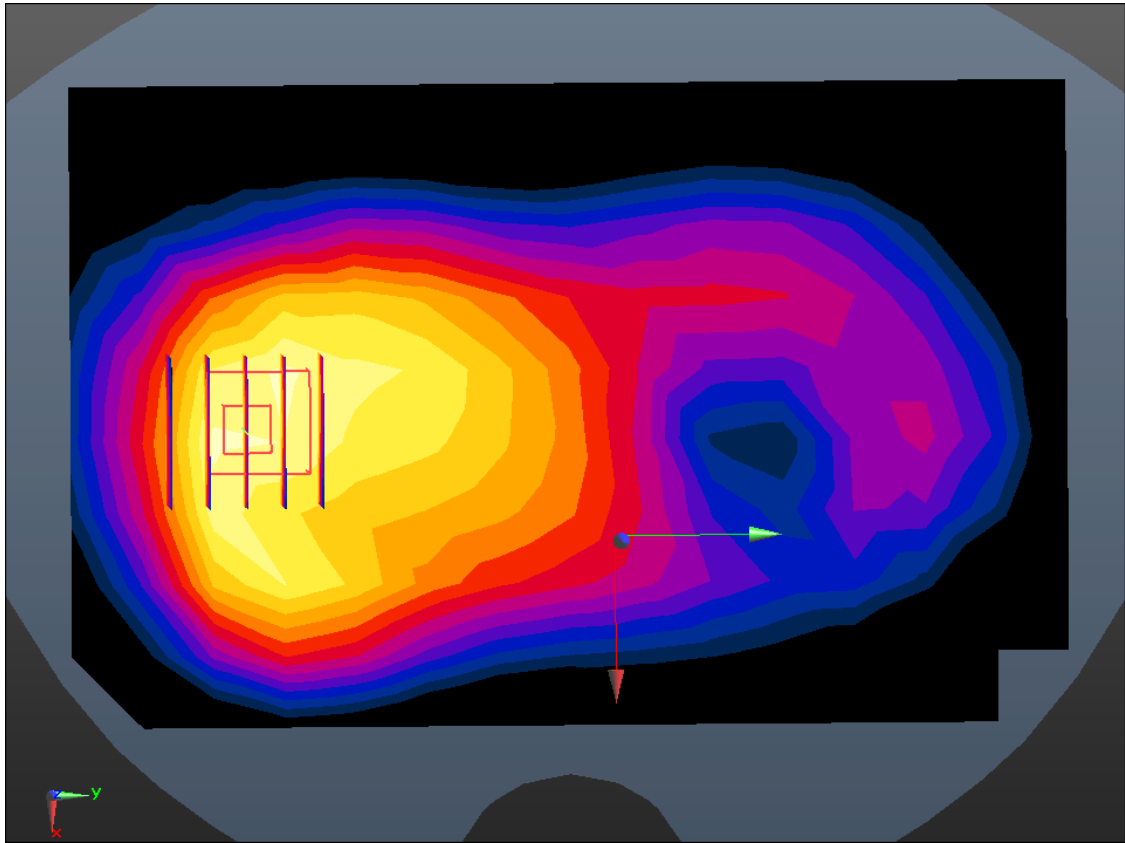
Power Drift = 0.00 dB

Peak SAR (extrapolated) = 1.11 W/kg

SAR(1 g) = 0.707 W/kg; SAR(10 g) = 0.423 W/kg



0 dB = 0.852 W/kg



Enlarged Plot for A33

DT&C Co., Ltd.

DUT: LM-Q850FA; Type: Bar

Communication System: UID 0, LTE Band 12 (0); Frequency: 707.5 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 707.5$ MHz; $\sigma = 0.924$ S/m; $\epsilon_r = 54.355$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: ES3DV3 - SN3328; ConvF(6.29, 6.29, 6.29); Calibrated: 3/21/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-08-21; Ambient Temp: 20.5; Tissue Temp: 21.0

1 cm space from Body, Rear, LTE Band 12 Ch. 23095, Ant Internal

Mode : BandWidth 10 MHz, QPSK, RB Size: 1

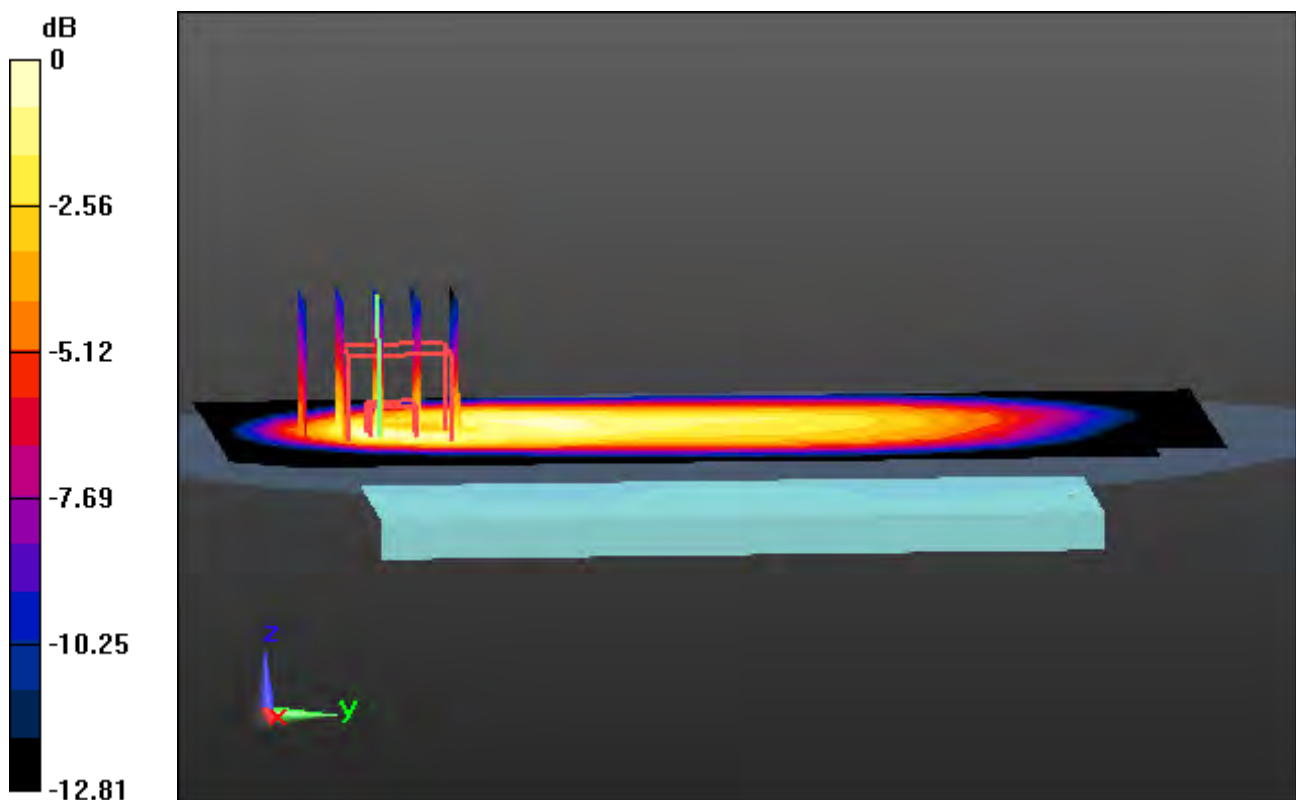
Area Scan (10x15x1): Measurement grid: dx=15mm, dy=15mm

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

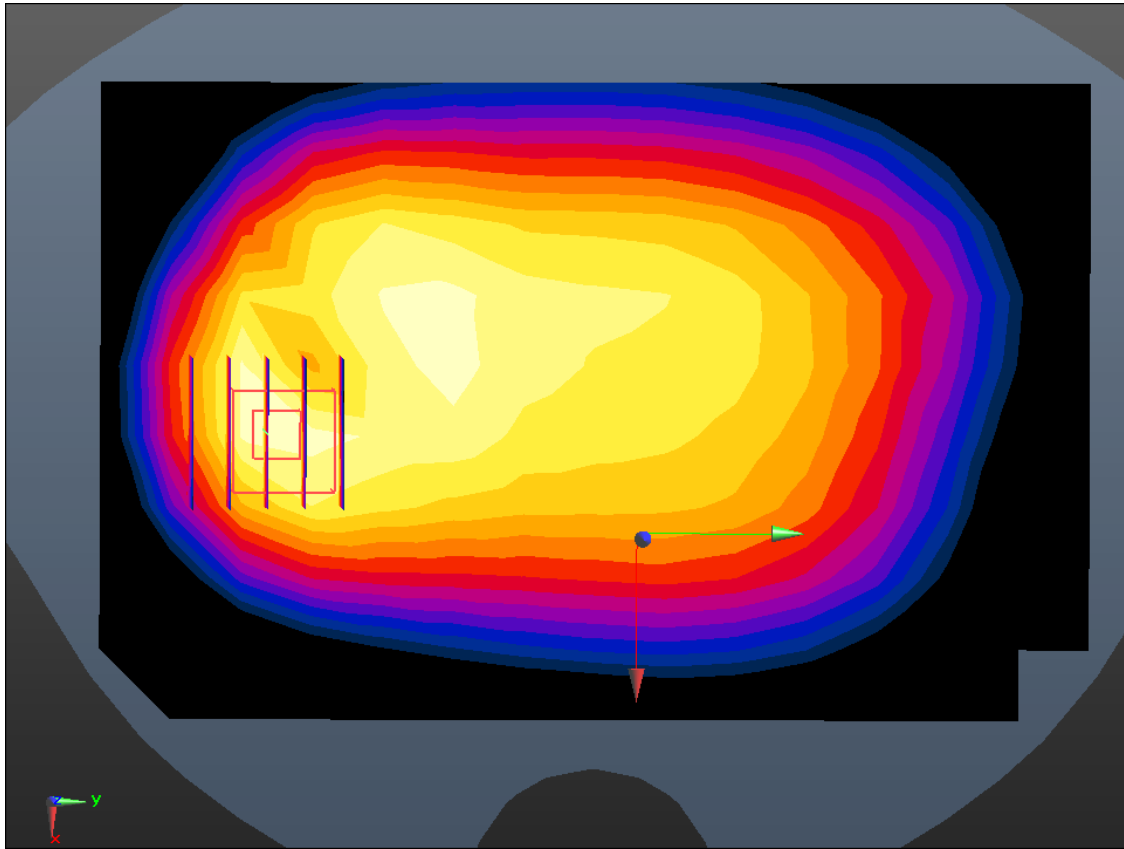
Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.264 W/kg

SAR(1 g) = 0.154 W/kg; SAR(10 g) = 0.106 W/kg



0 dB = 0.184 W/kg



Enlarged Plot for A34

DT&C Co., Ltd.

DUT: LM-Q850FA; Type: Bar

Communication System: UID 0, LTE Band 5(FCC) (0); Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium parameters used: $f = 836.5$ MHz; $\sigma = 0.988$ S/m; $\epsilon_r = 53.729$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: ES3DV3 - SN3328; ConvF(6.23, 6.23, 6.23); Calibrated: 3/21/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-08-16; Ambient Temp: 21.1; Tissue Temp: 21.7

1 cm space from Body, Rear, LTE Band 5 Ch. 20525, Ant Internal

Mode : BandWidth 10 MHz, QPSK, RB Size: 1

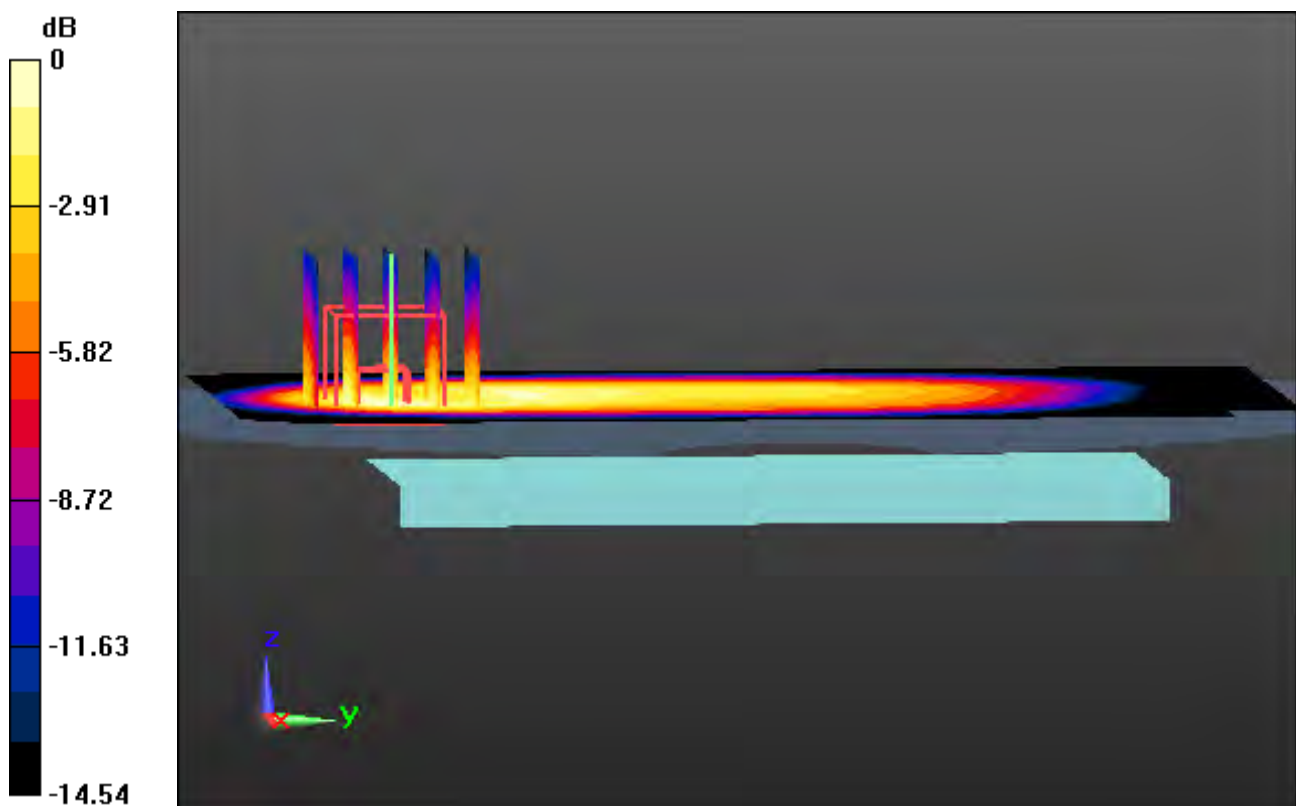
Area Scan (10x15x1): Measurement grid: dx=15mm, dy=15mm

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

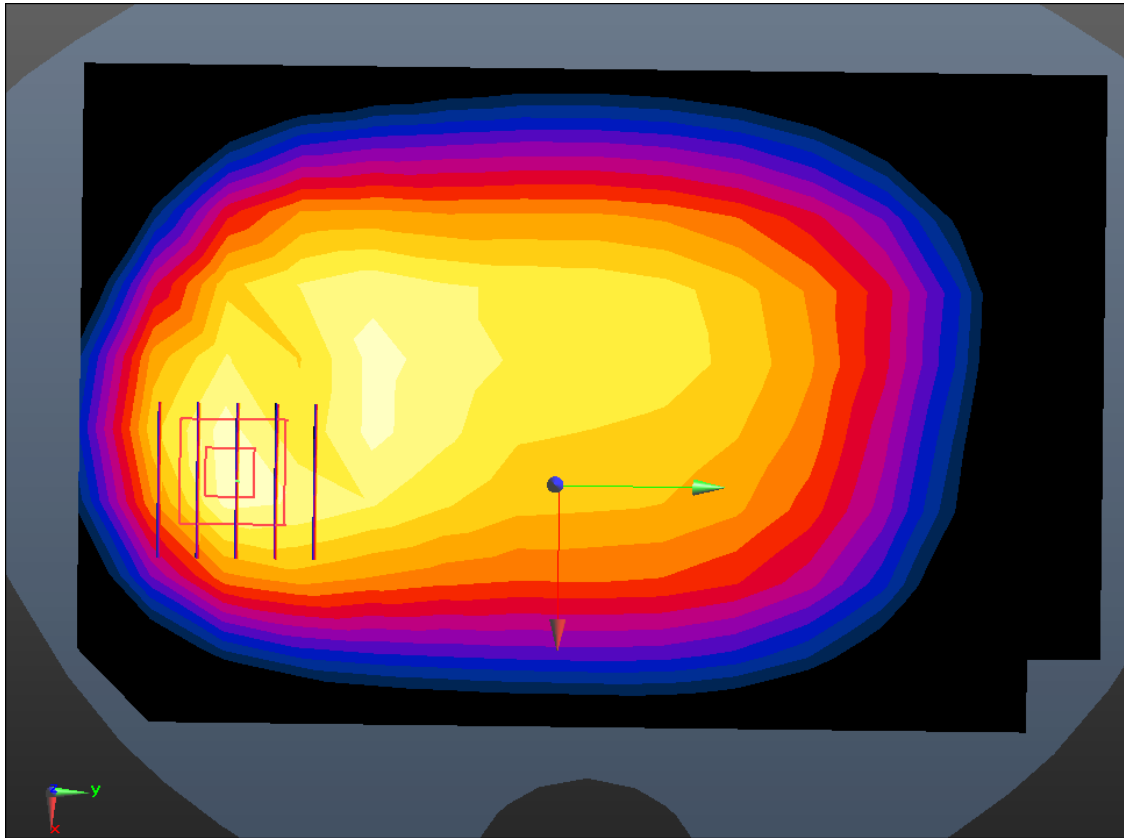
Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.644 W/kg

SAR(1 g) = 0.367 W/kg; SAR(10 g) = 0.211 W/kg



0 dB = 0.453 W/kg



Enlarged Plot for A35

DT&C Co., Ltd.

DUT: LM-Q850FA; Type: Bar

Communication System: UID 0, LTE Band 66 (0); Frequency: 1770 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1770$ MHz; $\sigma = 1.553$ S/m; $\epsilon_r = 52.907$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: ES3DV3 - SN3328; ConvF(5.1, 5.1, 5.1); Calibrated: 3/21/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-08-22; Ambient Temp: 20.7; Tissue Temp: 21.0

1 cm space from Body, Rear, LTE Band 66 Ch. 132572, Ant Internal

Mode : BandWidth 20 MHz, QPSK, RB Size: 1

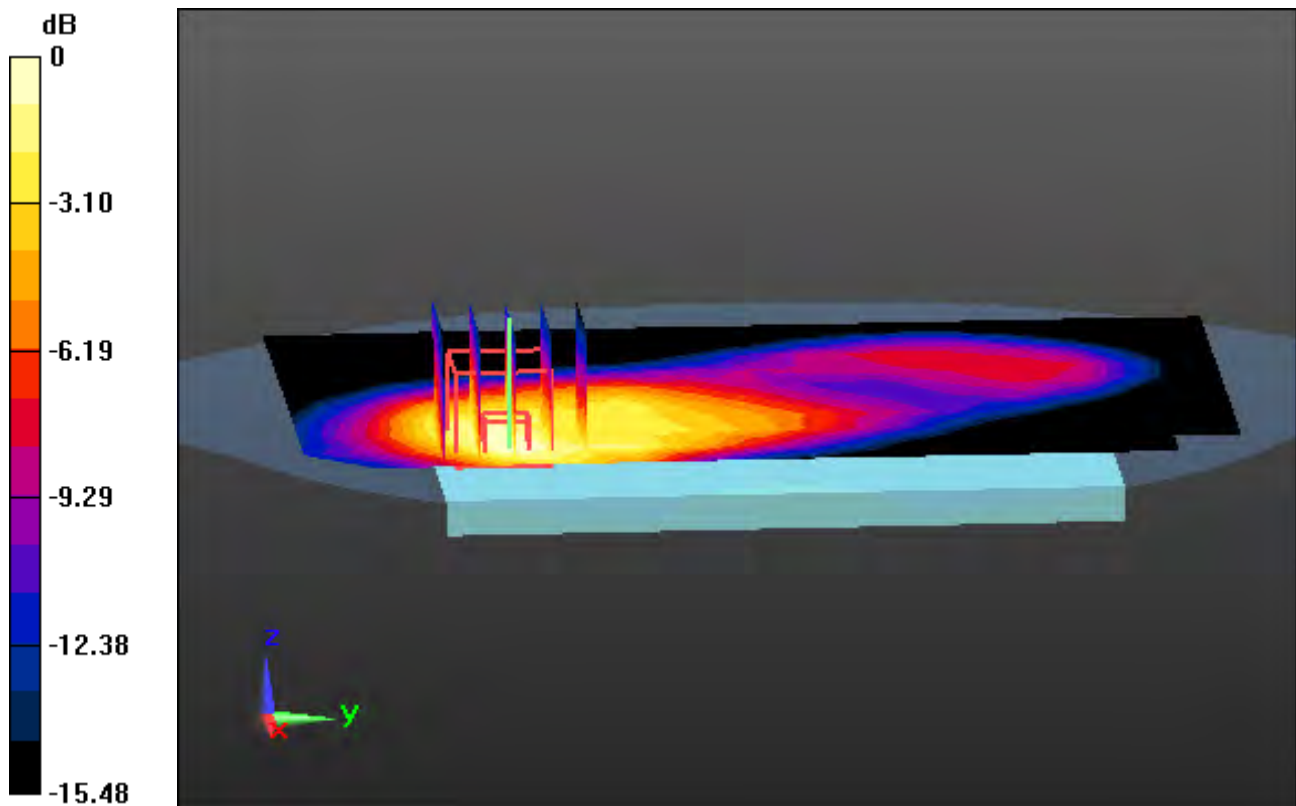
Area Scan (10x15x1): Measurement grid: dx=15mm, dy=15mm

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

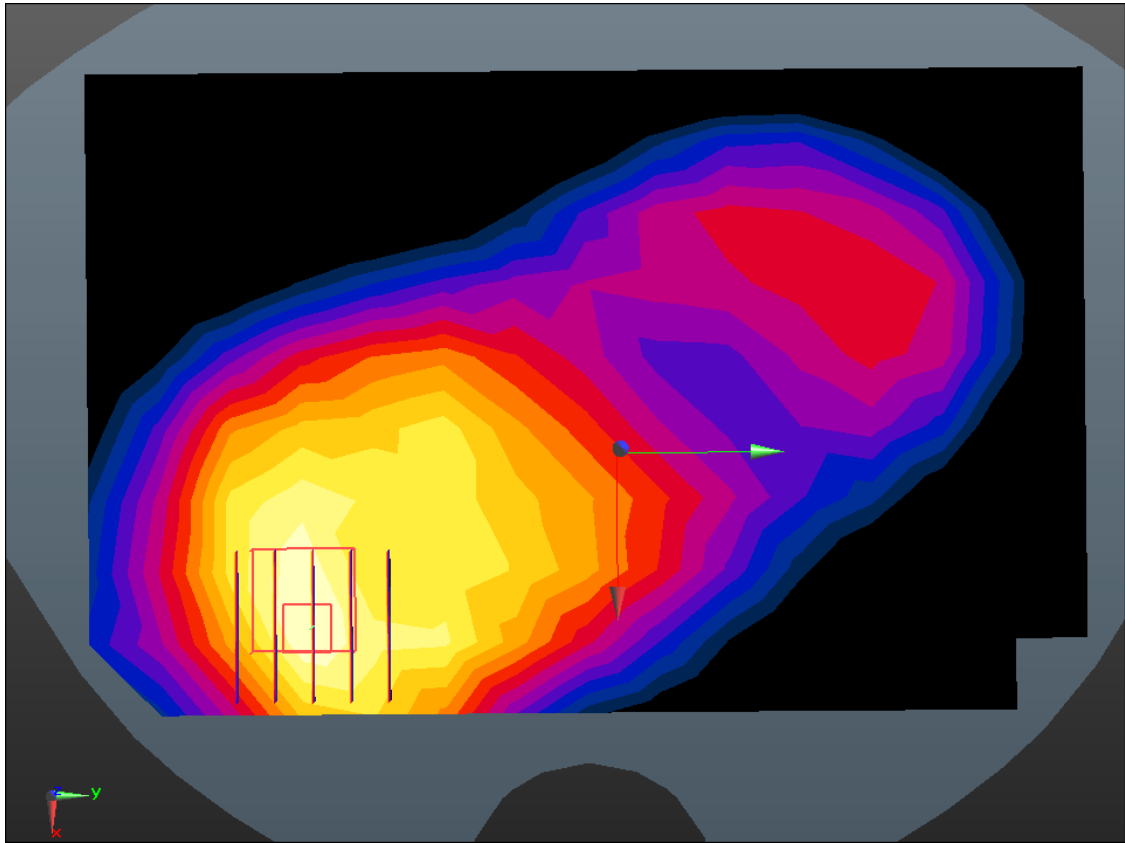
Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.802 W/kg

SAR(1 g) = 0.490 W/kg; SAR(10 g) = 0.293 W/kg



0 dB = 0.609 W/kg



Enlarged Plot for A36

DT&C Co., Ltd.

DUT: LM-Q850FA; Type: Bar

Communication System: UID 0, LTE Band 2 (0); Frequency: 1860 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1860$ MHz; $\sigma = 1.514$ S/m; $\epsilon_r = 51.806$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: ES3DV3 - SN3328; ConvF(4.88, 4.88, 4.88); Calibrated: 3/21/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-08-15; Ambient Temp: 20.9; Tissue Temp: 21.2

1 cm space from Body, Rear, LTE Band 2 Ch. 18700, Ant Internal

Mode : BandWidth 20 MHz, QPSK, RB Size: 1

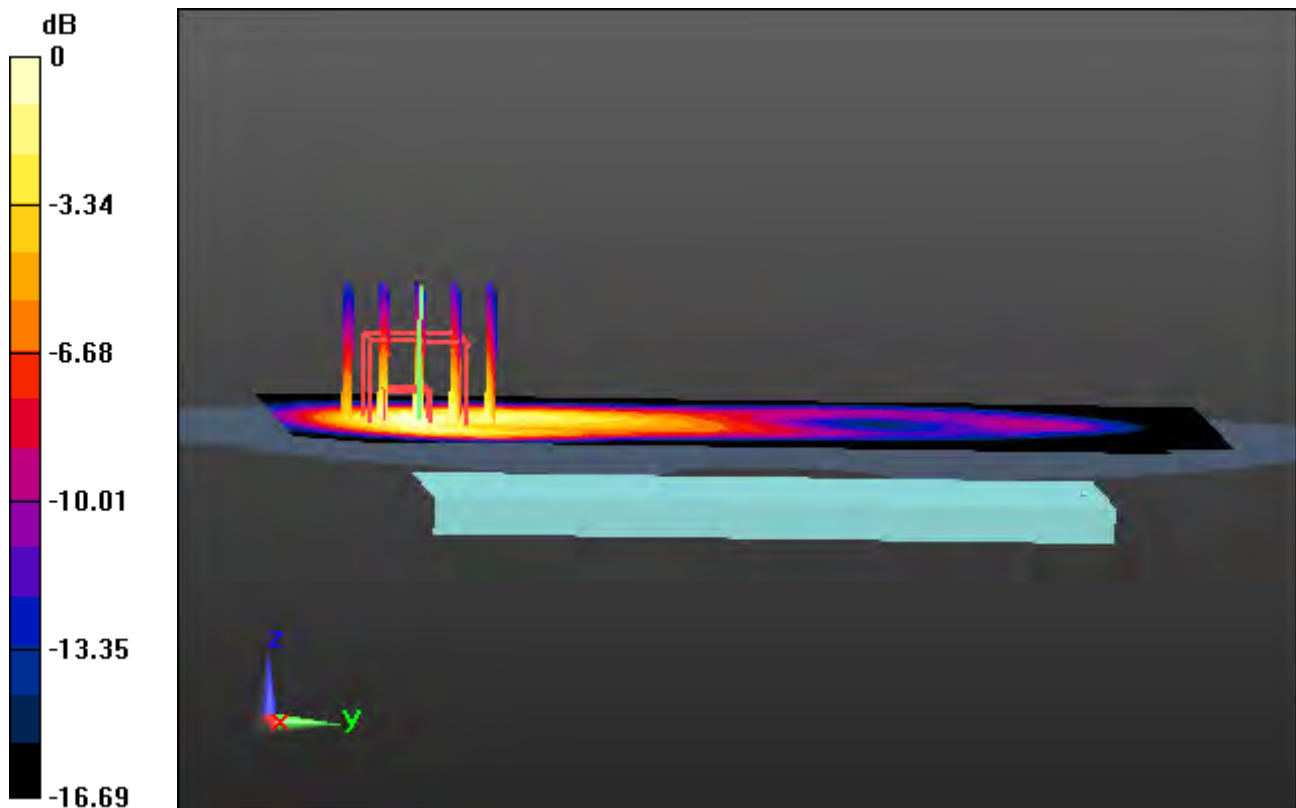
Area Scan (10x15x1): Measurement grid: dx=15mm, dy=15mm

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

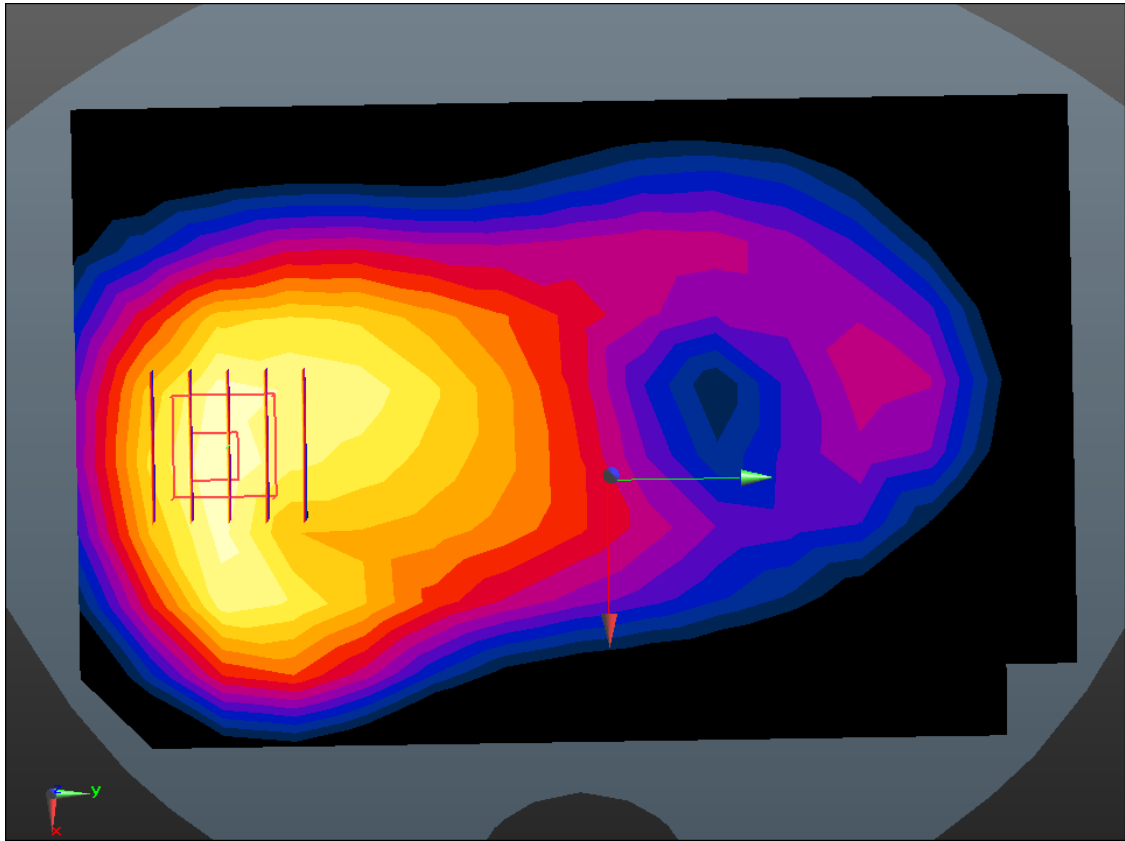
Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.10 W/kg

SAR(1 g) = 0.703 W/kg; SAR(10 g) = 0.423 W/kg



0 dB = 0.808 W/kg



Enlarged Plot for A37

DT&C Co., Ltd.

DUT: LM-Q850FA; Type: Bar

Communication System: UID 0, LTE Band 7(FCC) (0); Frequency: 2560 MHz;Duty Cycle: 1:1
Medium parameters used: $f = 2560$ MHz; $\sigma = 2.055$ S/m; $\epsilon_r = 50.51$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: ES3DV3 - SN3328; ConvF(4.32, 4.32, 4.32); Calibrated: 3/21/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-08-20; Ambient Temp: 20.2; Tissue Temp: 20.9

1 cm space from Body, Rear, LTE Band 7 Ch. 21350, Ant Internal

Mode : BandWidth 20 MHz, QPSK, RB Size: 1

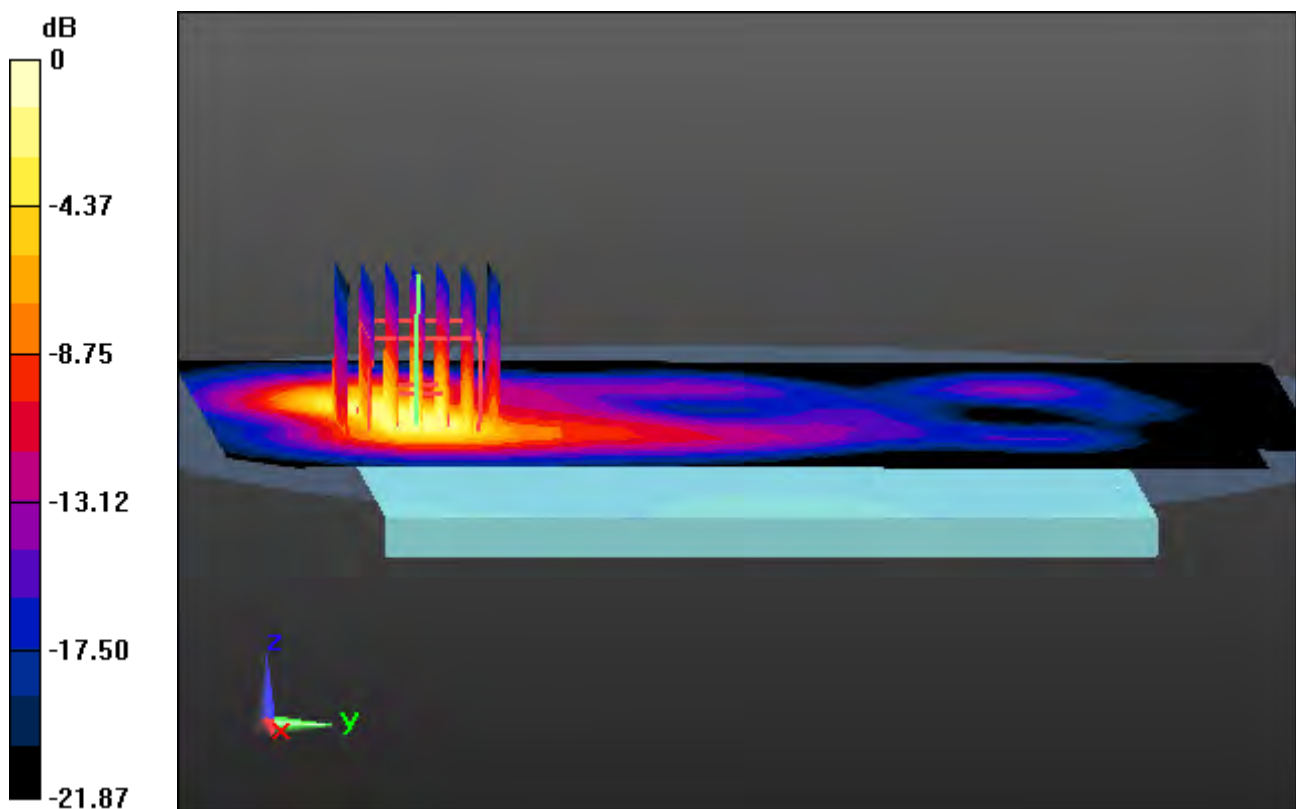
Area Scan (12x19x1): Measurement grid: dx=12mm, dy=12mm

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

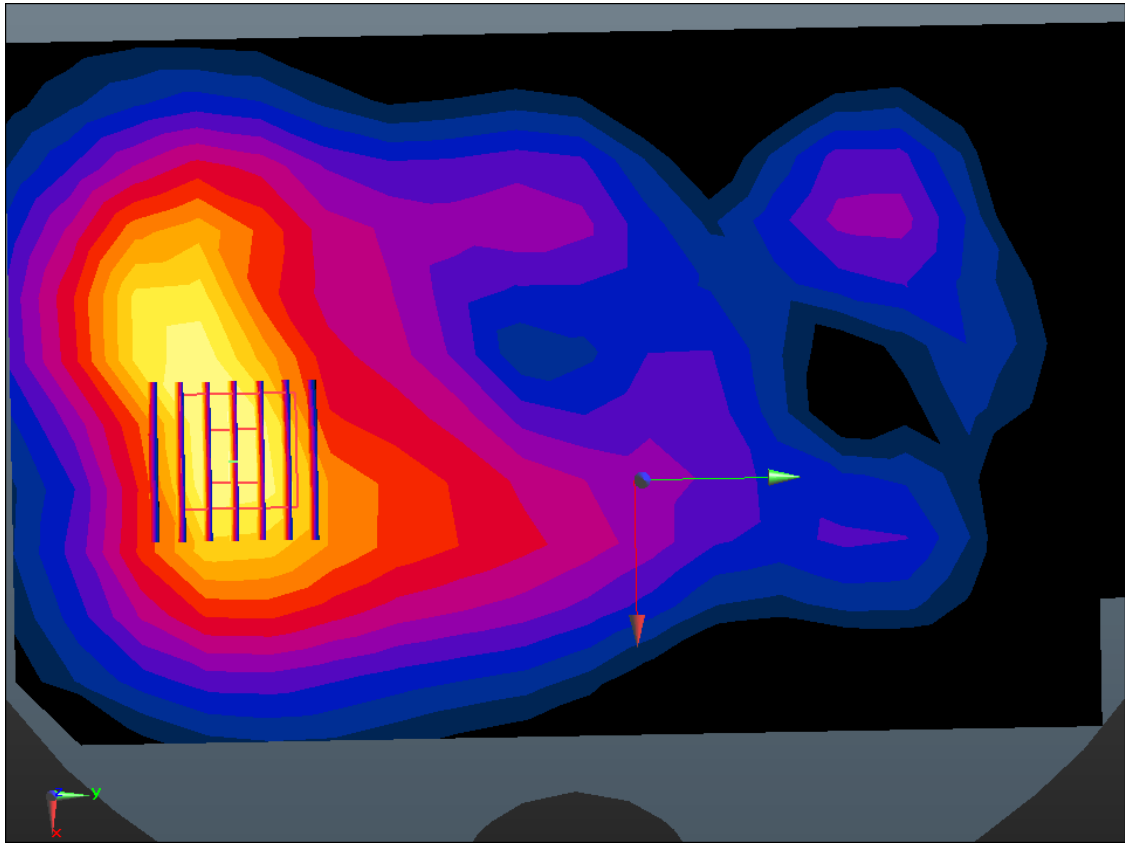
Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.79 W/kg

SAR(1 g) = 0.797 W/kg; SAR(10 g) = 0.356 W/kg



0 dB = 1.09 W/kg



Enlarged Plot for A38

DT&C Co., Ltd.

DUT: LM-Q850FA; Type: Bar

Communication System: UID 0, LTE Band 41 (0); Frequency: 2593 MHz; Duty Cycle: 1:1.58
Medium parameters used: $f = 2593$ MHz; $\sigma = 2.116$ S/m; $\epsilon_r = 51.399$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: ES3DV3 - SN3328; ConvF(4.32, 4.32, 4.32); Calibrated: 3/21/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-08-24; Ambient Temp: 20.4; Tissue Temp: 21.2

1 cm space from Body, Rear, LTE Band 41 Ch. 40620, Ant Internal

Mode : BandWidth 20 MHz, QPSK, RB Size: 1

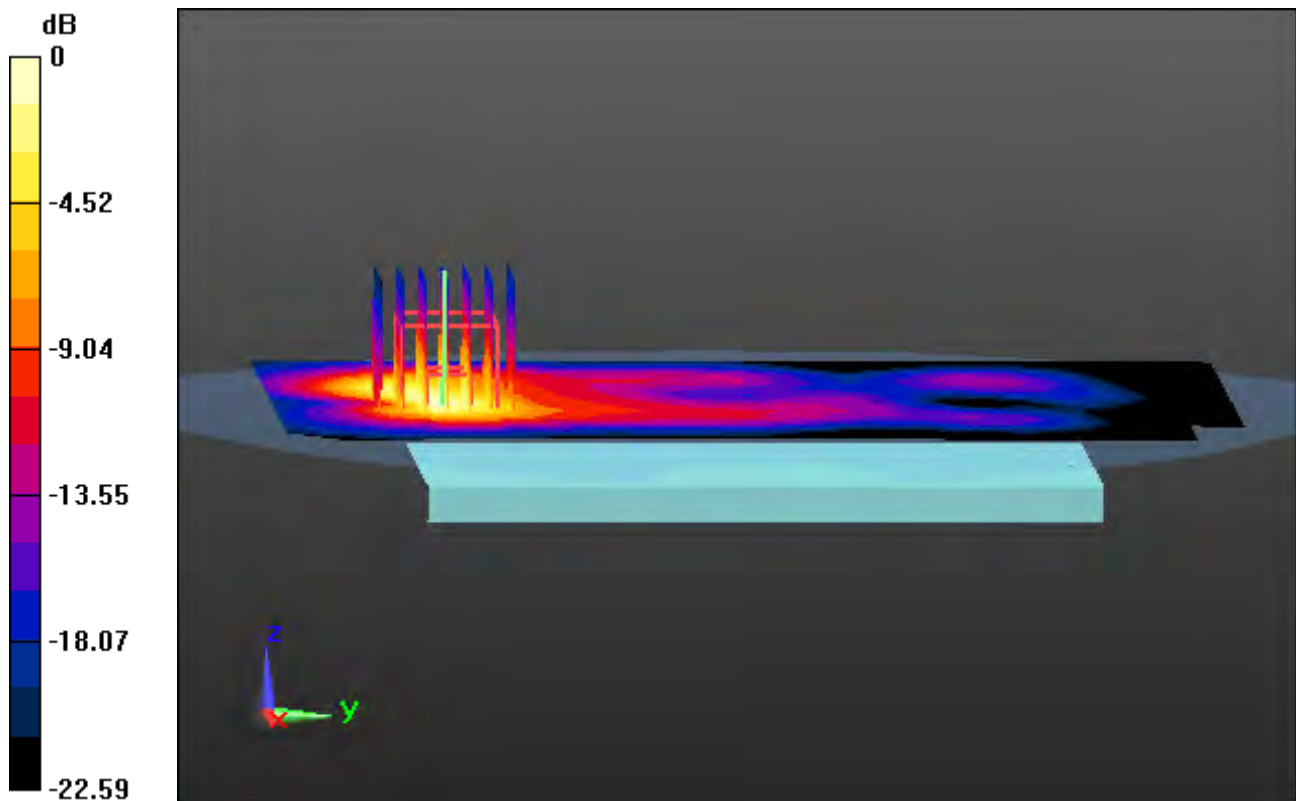
Area Scan (12x19x1): Measurement grid: dx=12mm, dy=12mm

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

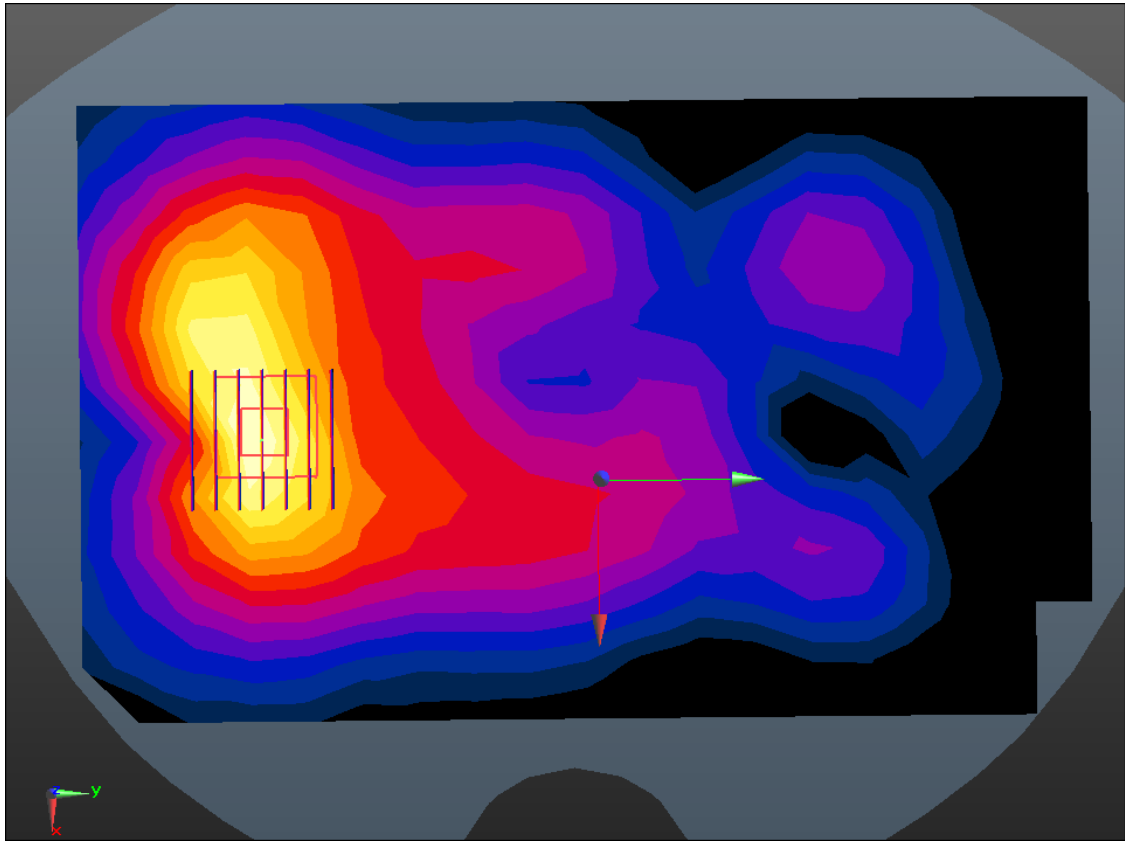
Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.63 W/kg

SAR(1 g) = 0.705 W/kg; SAR(10 g) = 0.307 W/kg



0 dB = 0.974 W/kg



Enlarged Plot for A39

DT&C Co., Ltd.

DUT: LM-Q850FA; Type: Bar

Communication System: UID 0, 2.4 GHz W-LAN (0); Frequency: 2412 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2412$ MHz; $\sigma = 1.858$ S/m; $\epsilon_r = 50.981$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(7.4, 7.4, 7.4); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM-twin middle_2013_09_24; Type: QD000P40CD; Serial: 1782
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-08-22; Ambient Temp: 21.2; Tissue Temp: 21.0

1.0 cm space from Body, Rear, W-LAN(802.11b - 2.4G) Ch. 1, Ant Internal, Ant.1

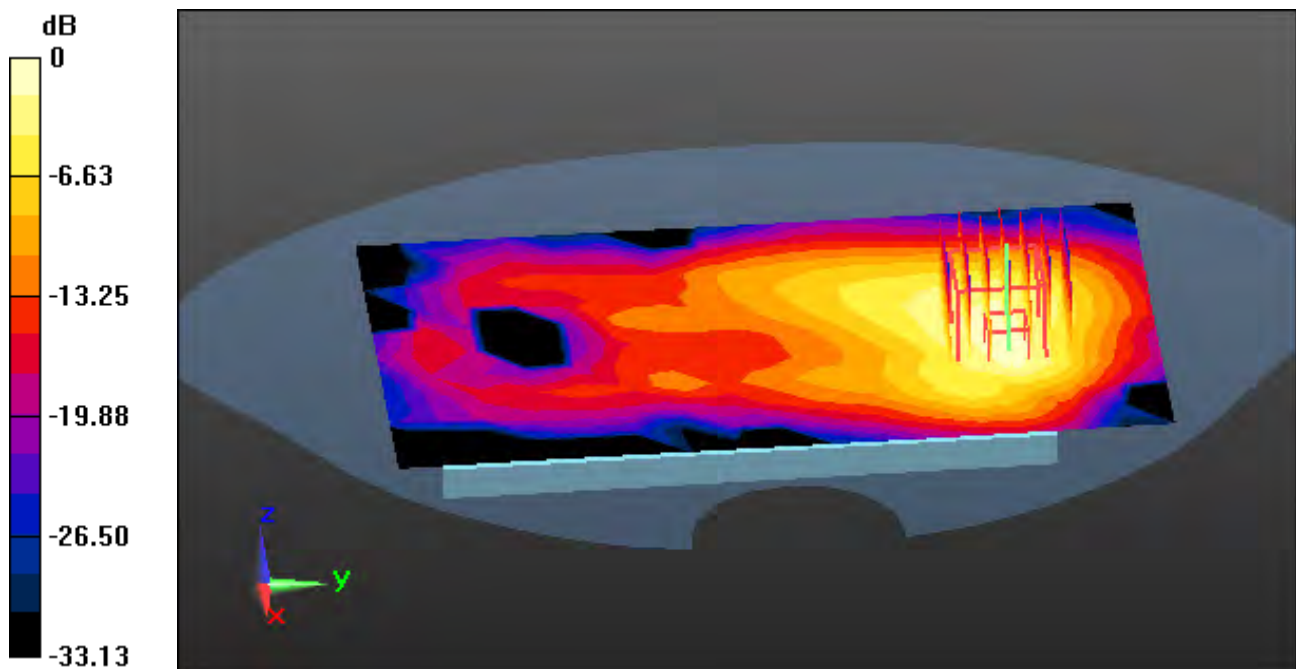
Area Scan (11x17x1): Measurement grid: dx=12mm, dy=12mm

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

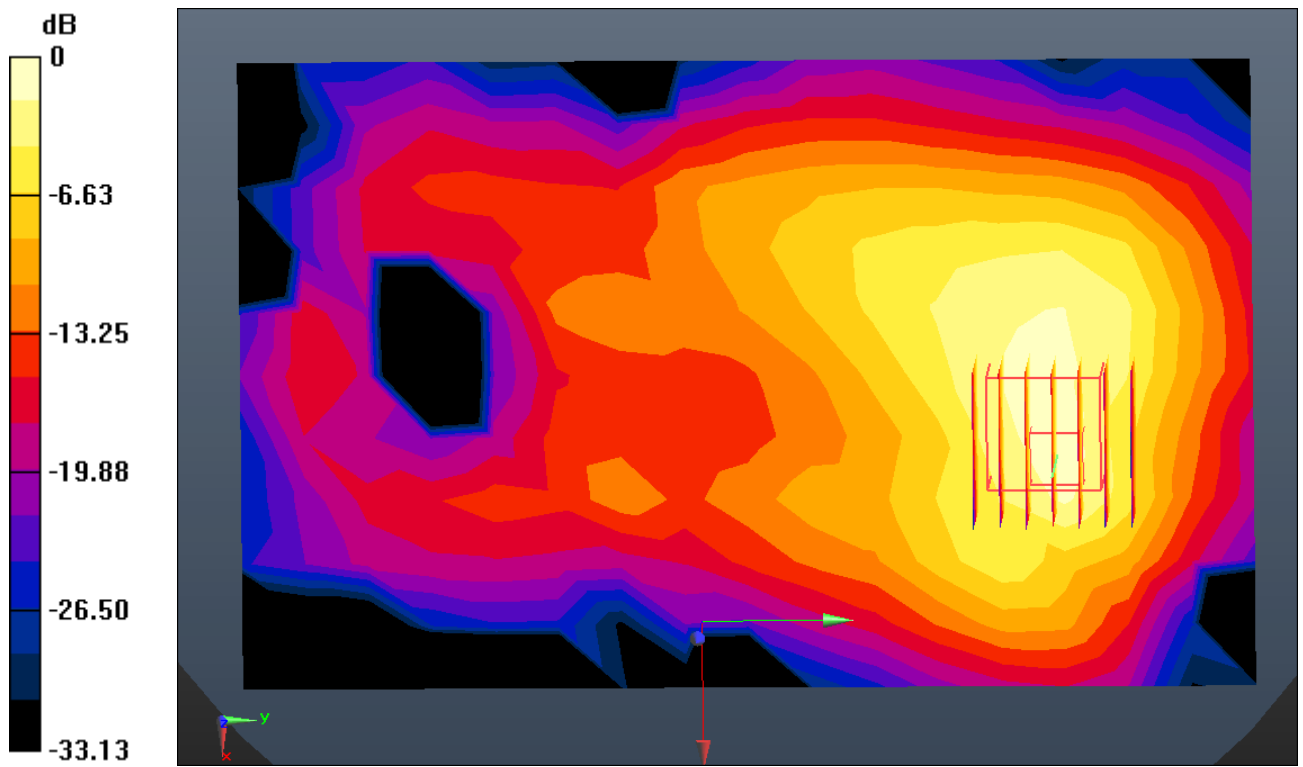
Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.349 W/kg

SAR(1 g) = 0.180 W/kg; SAR(10 g) = 0.091 W/kg



0 dB = 0.272 W/kg



0 dB = 0.272 W/kg

Enlarged Plot for A40

DT&C Co., Ltd.

DUT: LM-Q850FA; Type: Bar

Communication System: UID 0, 2.4 GHz W-LAN (0); Frequency: 2462 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2462$ MHz; $\sigma = 1.917$ S/m; $\epsilon_r = 50.864$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(7.4, 7.4, 7.4); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM-twin middle_2013_09_24; Type: QD000P40CD; Serial: 1782
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-08-22; Ambient Temp: 21.2; Tissue Temp: 21.0

1.0 cm space from Body, Rear, W-LAN(802.11b - 2.4G) Ch. 11, Ant Internal, Ant.2

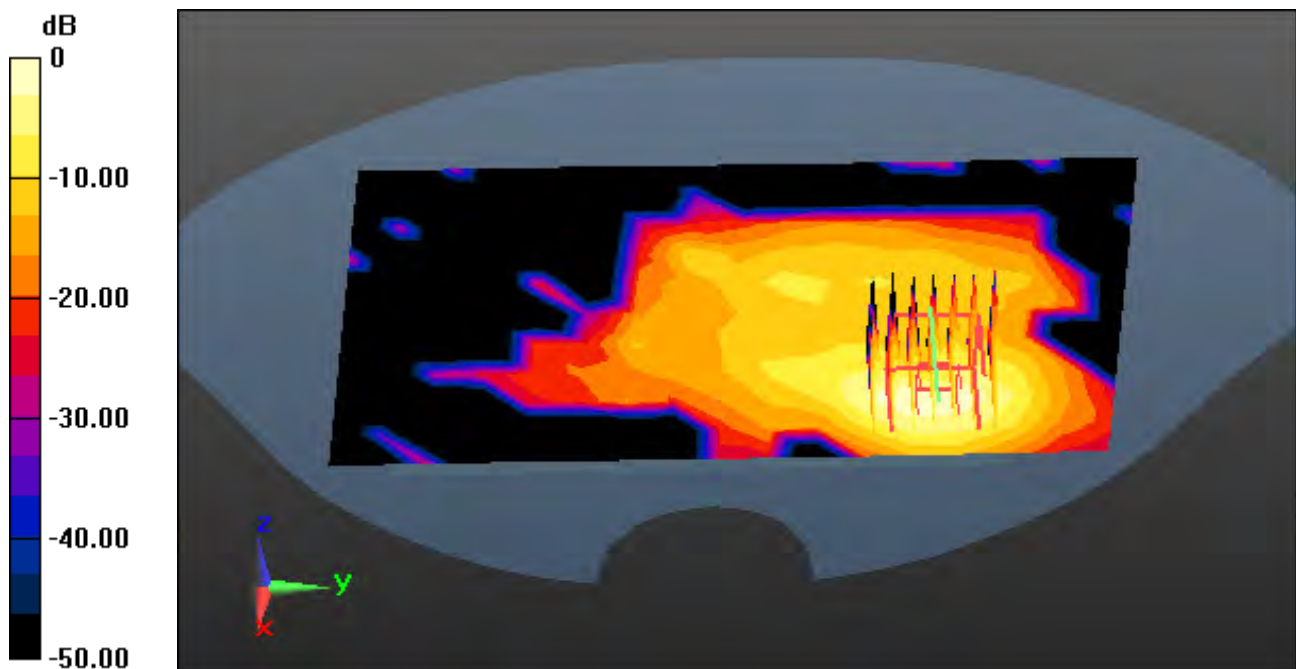
Area Scan (11x17x1): Measurement grid: dx=12mm, dy=12mm

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

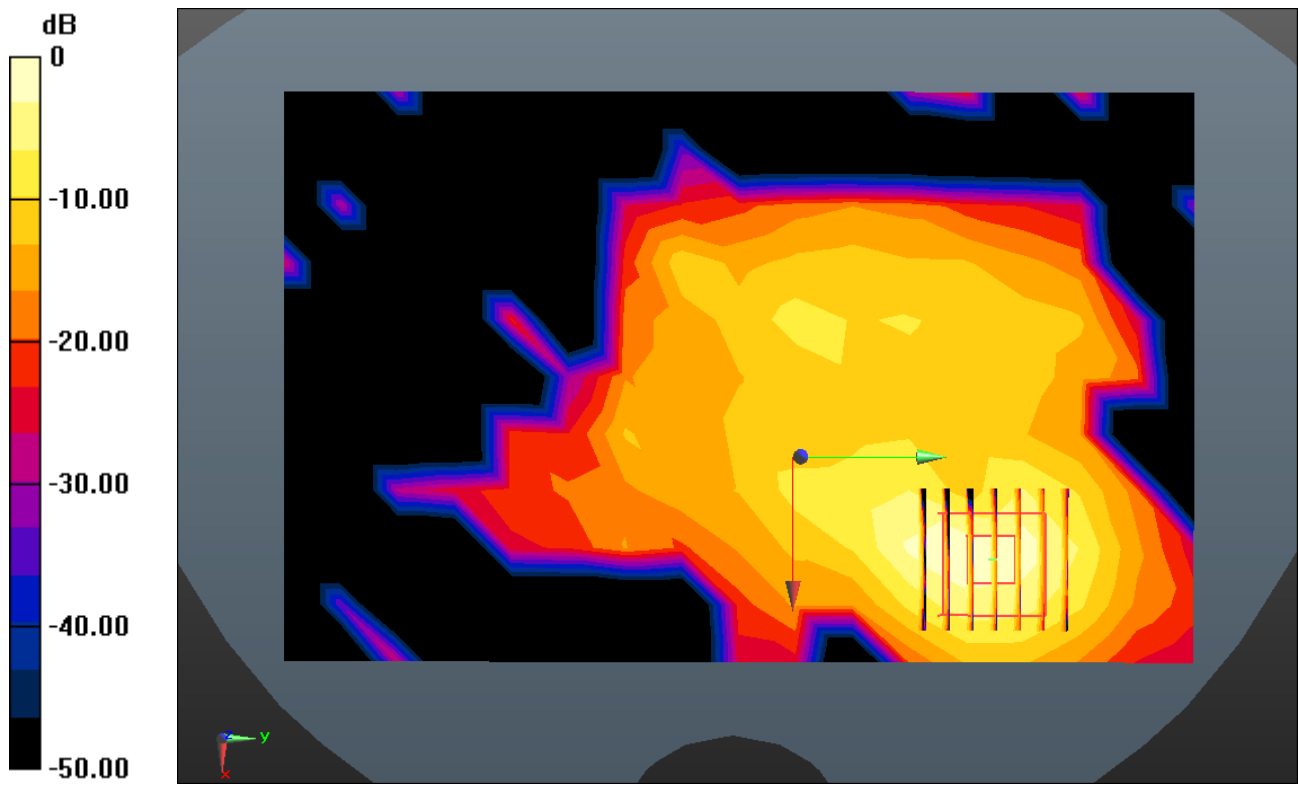
Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.191 W/kg

SAR(1 g) = 0.089 W/kg; SAR(10 g) = 0.037 W/kg



0 dB = 0.141 W/kg



0 dB = 0.141 W/kg

Enlarged Plot for A41

DT&C Co., Ltd.

DUT: LM-Q850FA; Type: Bar

Communication System: UID 0, 2.4 GHz W-LAN (0); Frequency: 2437 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2437$ MHz; $\sigma = 1.887$ S/m; $\epsilon_r = 50.923$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(7.4, 7.4, 7.4); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM-twin middle_2013_09_24; Type: QD000P40CD; Serial: 1782
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-08-22; Ambient Temp: 21.2; Tissue Temp: 21.0

1.0 cm space from Body, Rear, W-LAN(802.11g - 2.4G) Ch. 6, Ant Internal, MIMO

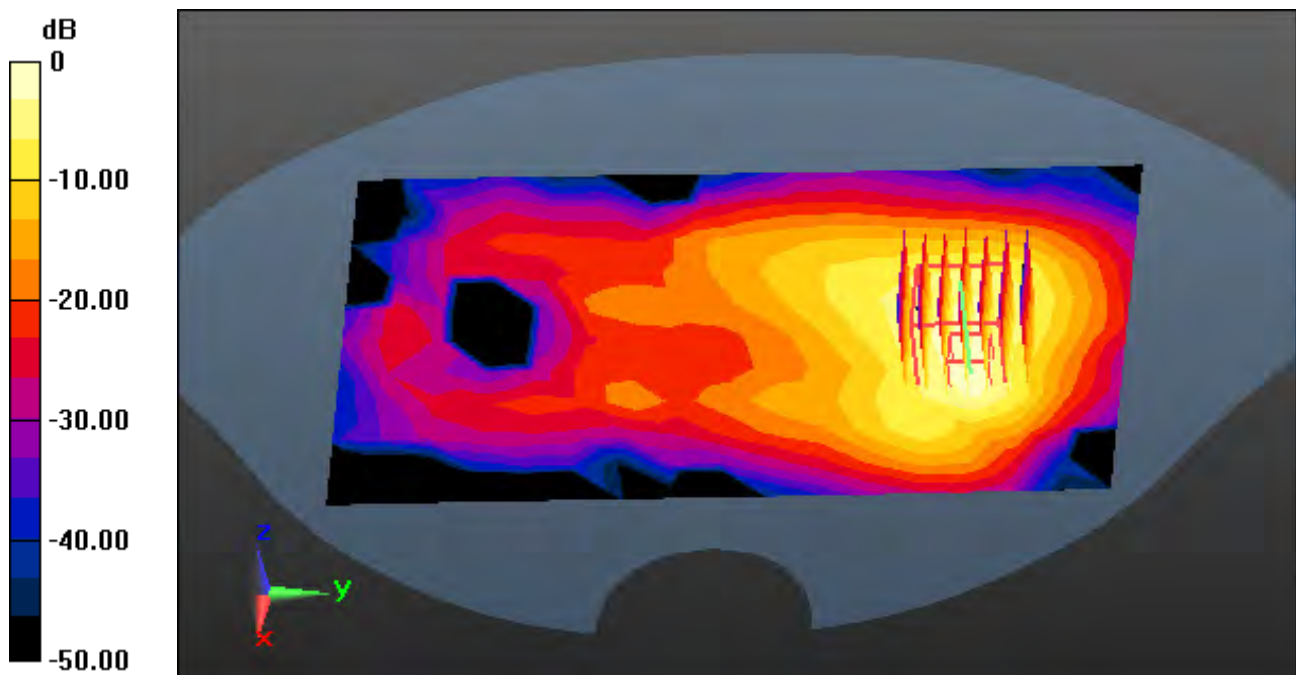
Area Scan (11x17x1): Measurement grid: dx=12mm, dy=12mm

Zoom Scan (11x9x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

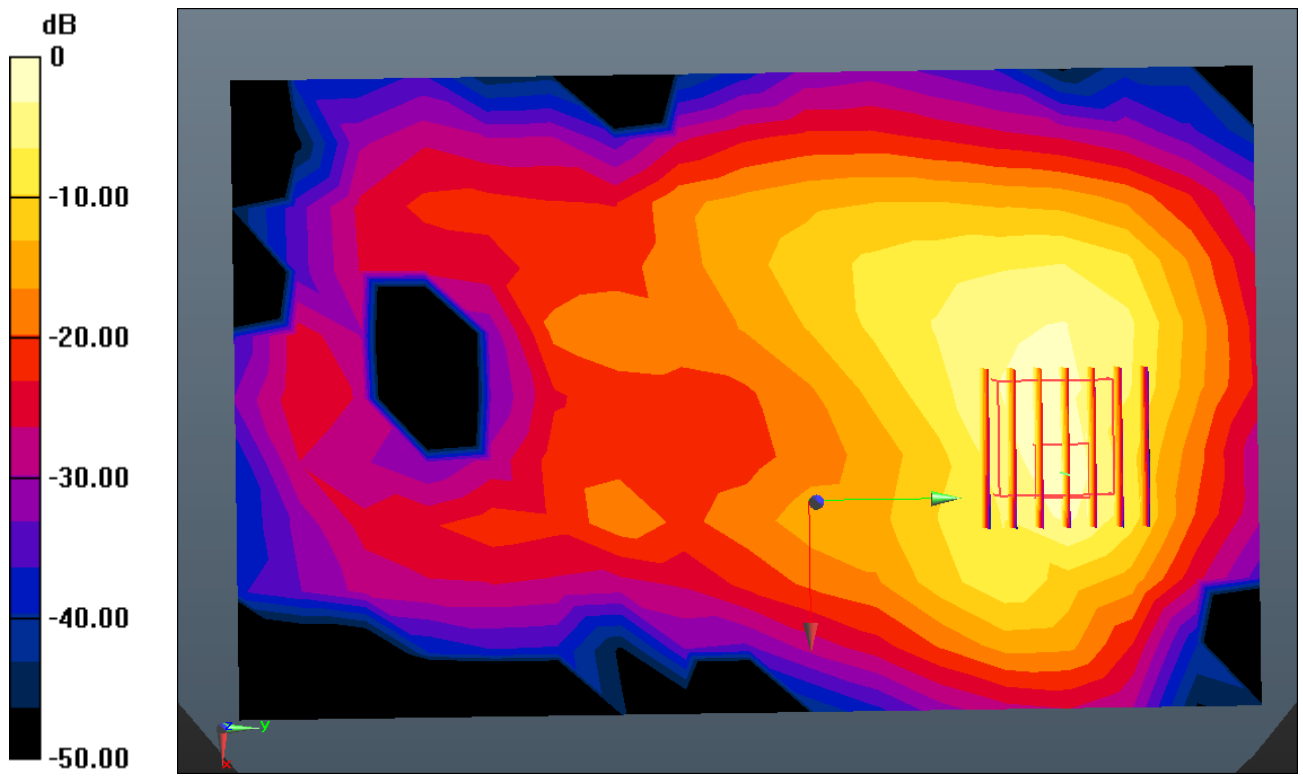
Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.427 W/kg

SAR(1 g) = 0.199 W/kg; SAR(10 g) = 0.096 W/kg



0 dB = 0.312 W/kg



0 dB = 0.312 W/kg

Enlarged Plot for A42

DT&C Co., Ltd.

DUT: LM-Q850FA; Type: Bar

Communication System: UID 0, W-LAN_5 GHz(FCC) (0); Frequency: 5260 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5260$ MHz; $\sigma = 5.554$ S/m; $\epsilon_r = 47.941$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(4.5, 4.5, 4.5); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM-twin middle_2013_09_24; Type: QD000P40CD; Serial: 1782
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-08-20; Ambient Temp: 20.7; Tissue Temp: 21.4

1.0 cm space from Body, Rear, W-LAN(802.11a - 5.3G) Ch. 52, Ant Internal, Ant.1

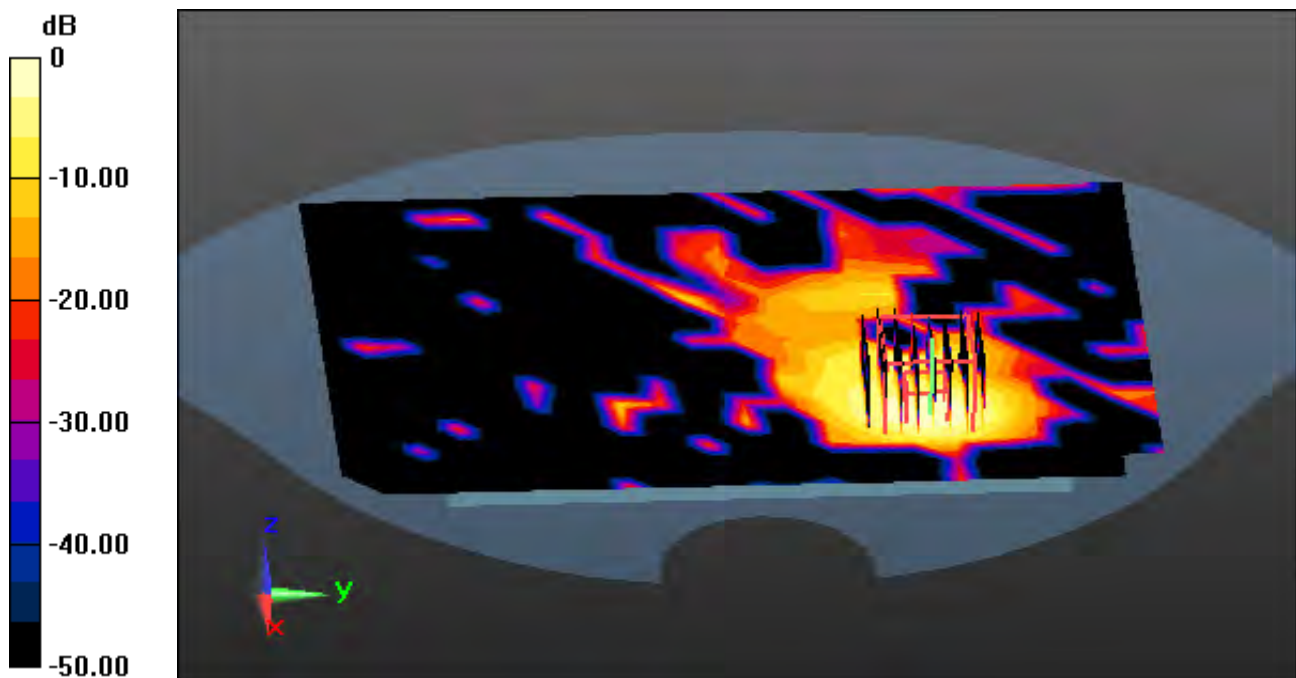
Area Scan (15x21x1): Measurement grid: dx=10mm, dy=10mm

Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4

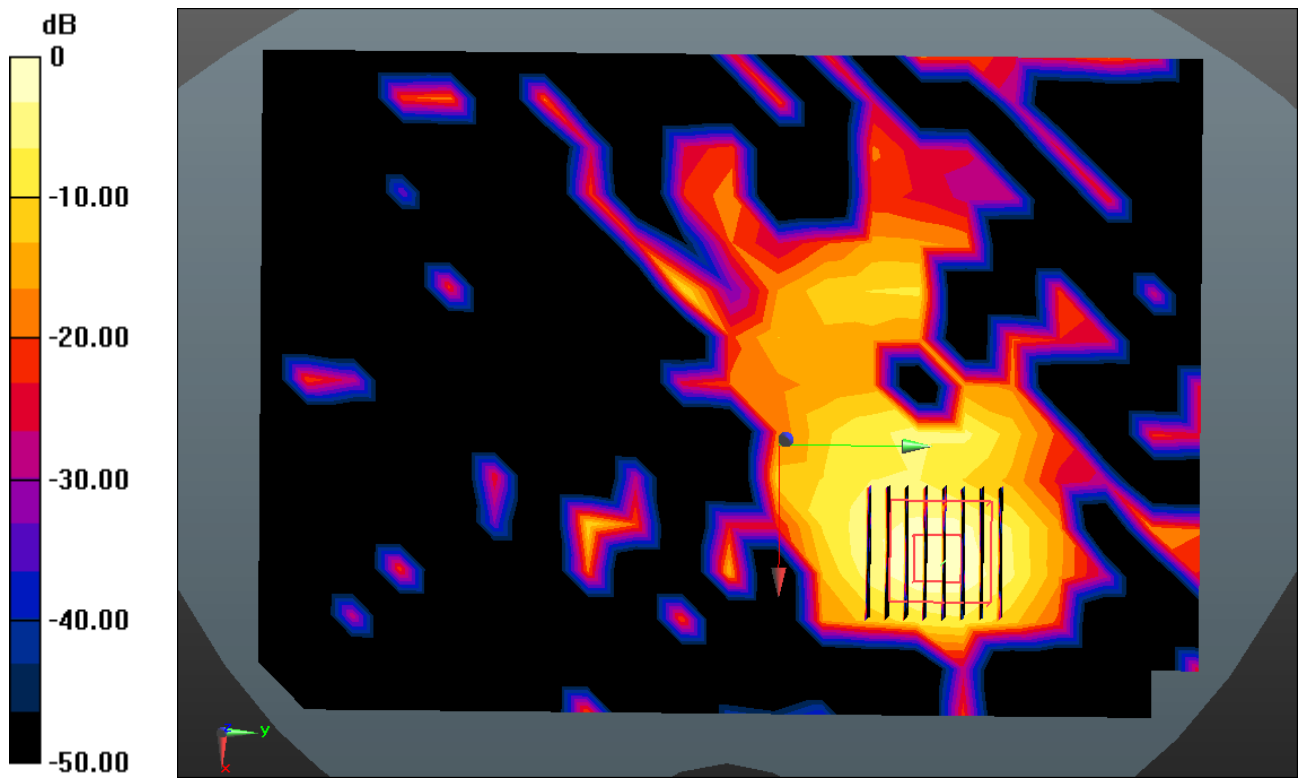
Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.323 W/kg

SAR(1 g) = 0.076 W/kg; SAR(10 g) = 0.024 W/kg



0 dB = 0.207 W/kg



0 dB = 0.207 W/kg

Enlarged Plot for A43

DT&C Co., Ltd.

DUT: LM-Q850FA; Type: Bar

Communication System: UID 0, W-LAN_5 GHz(FCC) (0); Frequency: 5260 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5260$ MHz; $\sigma = 5.554$ S/m; $\epsilon_r = 47.941$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(4.5, 4.5, 4.5); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM-twin middle_2013_09_24; Type: QD000P40CD; Serial: 1782
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-08-20; Ambient Temp: 20.7; Tissue Temp: 21.4

1.0 cm space from Body, Rear, W-LAN(802.11a - 5.3G) Ch. 52, Ant Internal, Ant.2

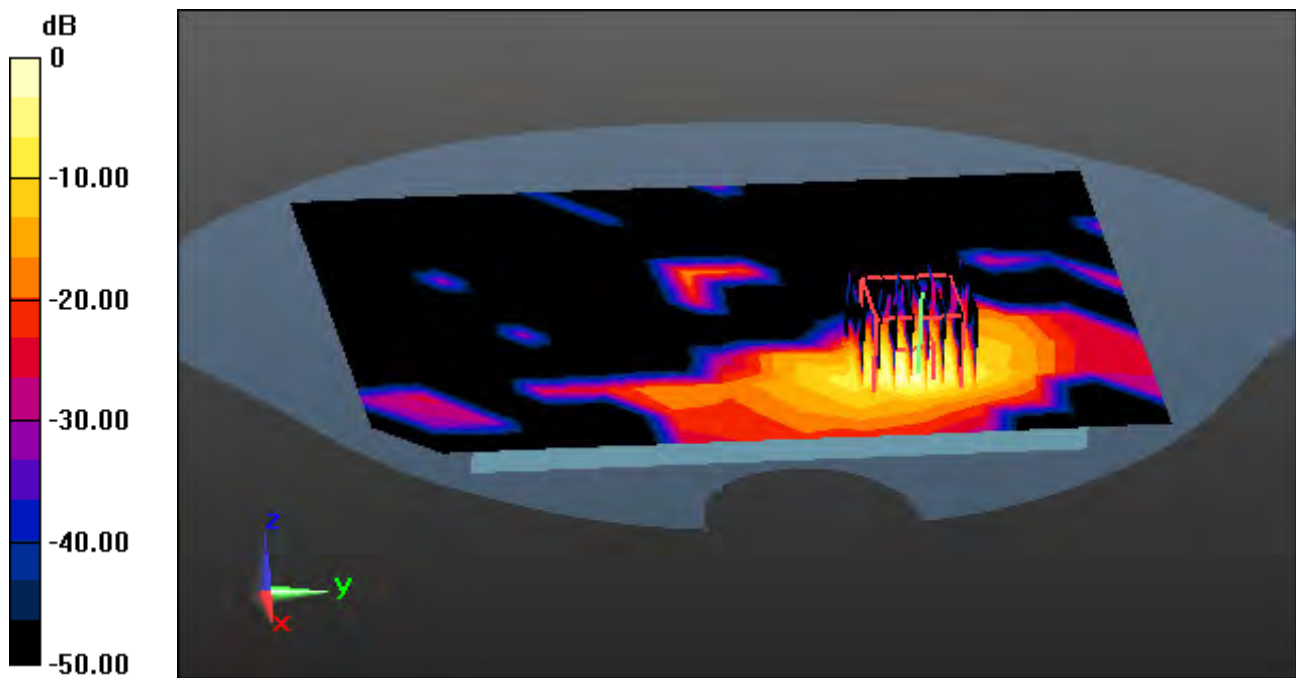
Area Scan (15x21x1): Measurement grid: dx=10mm, dy=10mm

Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4

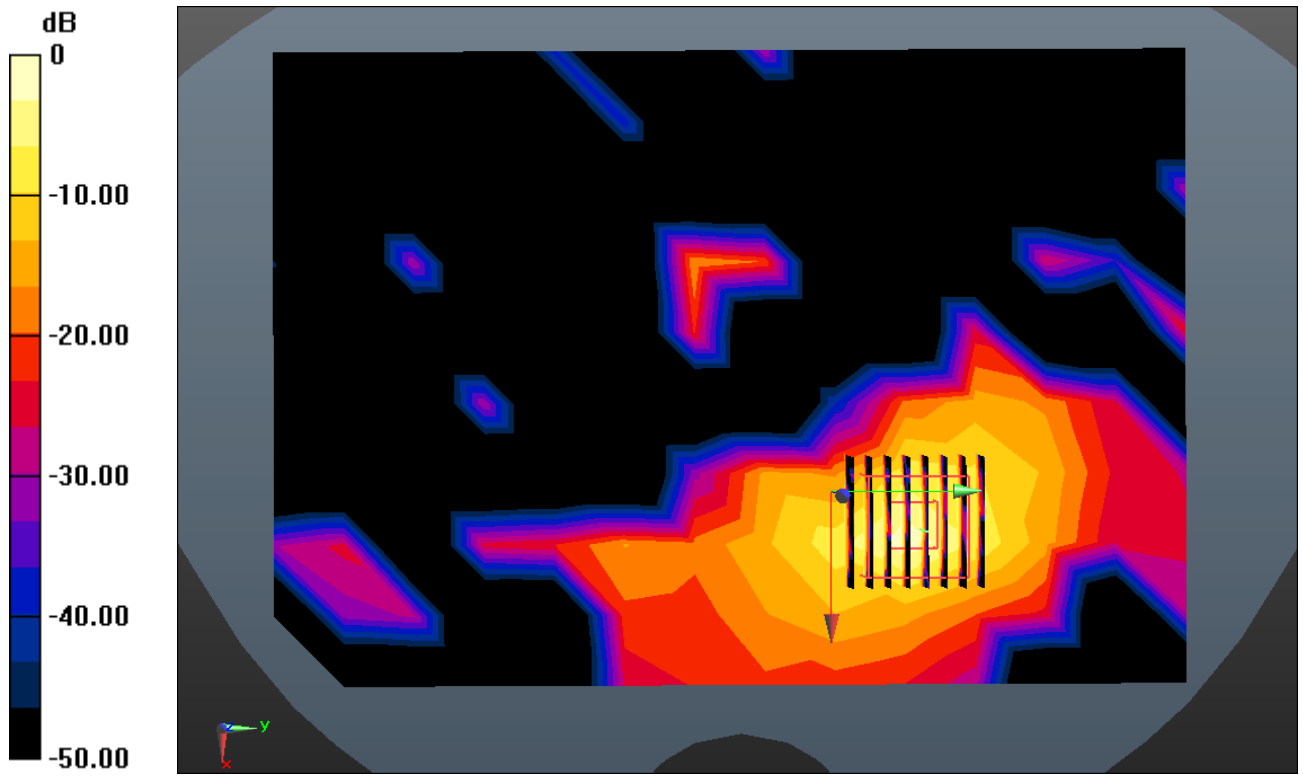
Power Drift = -0.12 dB

Peak SAR (extrapolated) = 1.67 W/kg

SAR(1 g) = 0.416 W/kg; SAR(10 g) = 0.111 W/kg



0 dB = 1.01 W/kg



0 dB = 1.01 W/kg

Enlarged Plot for A44

DT&C Co., Ltd.

DUT: LM-Q850FA; Type: Bar

Communication System: UID 0, W-LAN_5 GHz(FCC) (0); Frequency: 5260 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5260$ MHz; $\sigma = 5.554$ S/m; $\epsilon_r = 47.941$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(4.5, 4.5, 4.5); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM-twin middle_2013_09_24; Type: QD000P40CD; Serial: 1782
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-08-20; Ambient Temp: 20.7; Tissue Temp: 21.4

1.0 cm space from Body, Rear, W-LAN(802.11a - 5.3G) Ch. 52, Ant Internal, MIMO

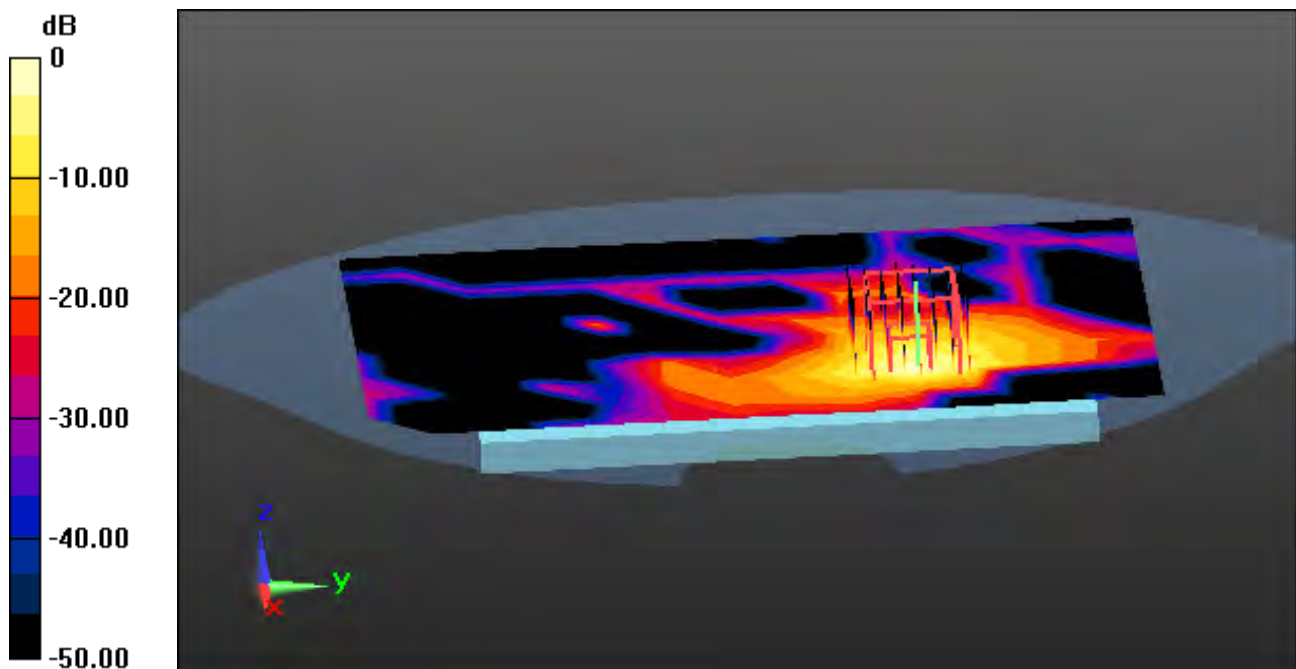
Area Scan (15x21x1): Measurement grid: dx=10mm, dy=10mm

Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4

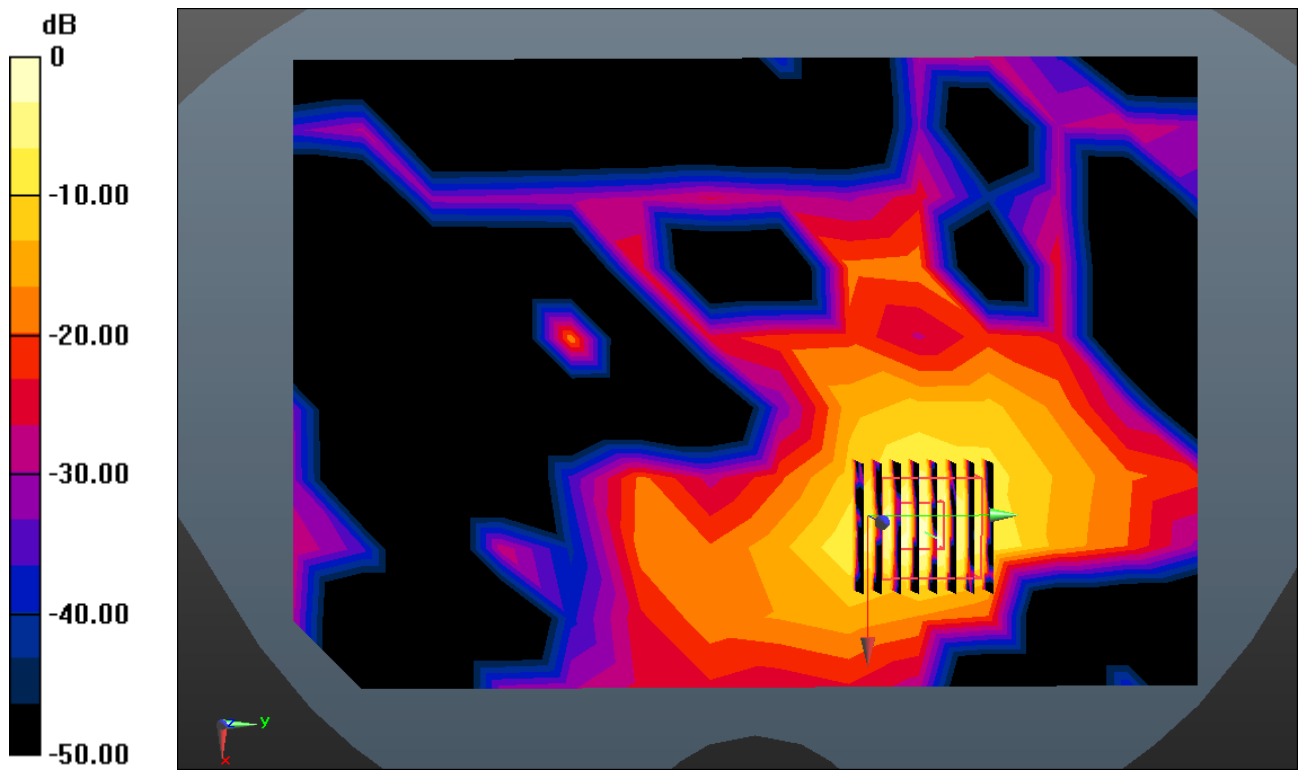
Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.85 W/kg

SAR(1 g) = 0.471 W/kg; SAR(10 g) = 0.131 W/kg



0 dB = 1.10 W/kg



0 dB = 1.10 W/kg

Enlarged Plot for A45

DT&C Co., Ltd.

DUT: LM-Q850FA; Type: Bar

Communication System: UID 0, W-LAN_5 GHz(FCC) (0); Frequency: 5500 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5500$ MHz; $\sigma = 5.801$ S/m; $\epsilon_r = 47.24$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(3.95, 3.95, 3.95); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM-twin middle_2013_09_24; Type: QD000P40CD; Serial: 1782
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-08-17; Ambient Temp: 21.7; Tissue Temp: 21.3

1.0 cm space from Body, Rear, W-LAN(802.11a - 5.6G) Ch. 100, Ant Internal, Ant.1

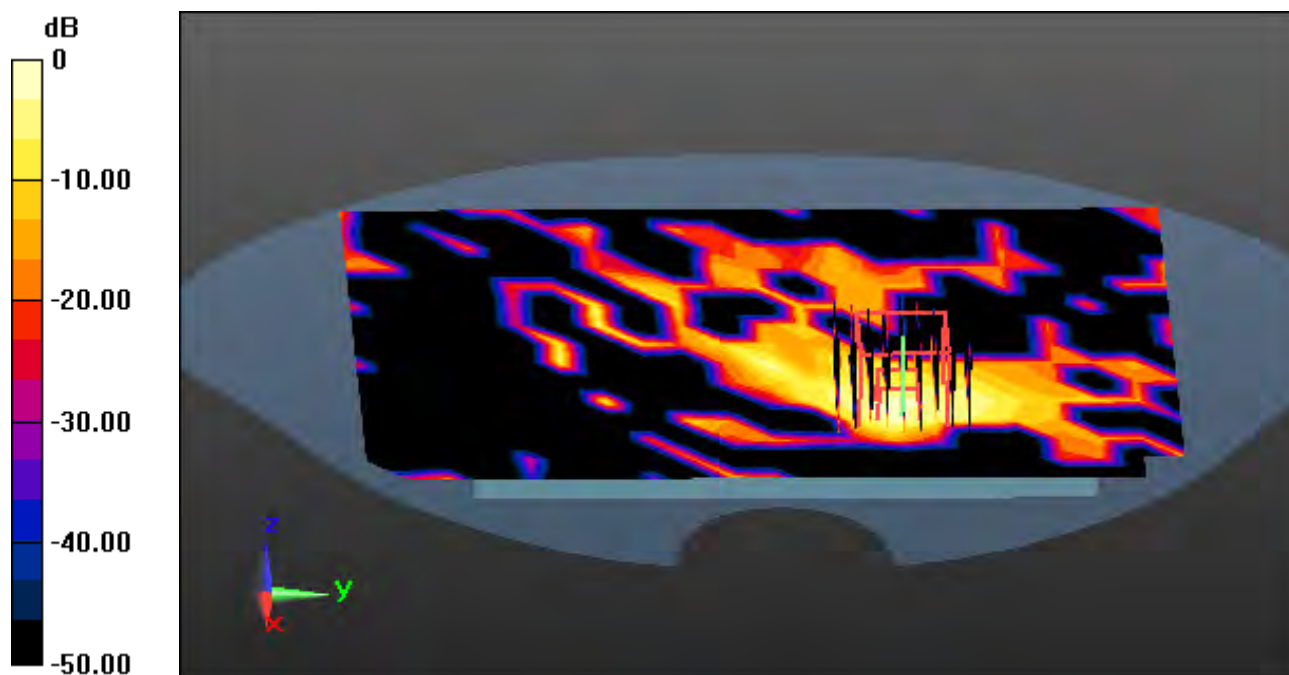
Area Scan (15x21x1): Measurement grid: dx=10mm, dy=10mm

Zoom Scan (9x9x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4

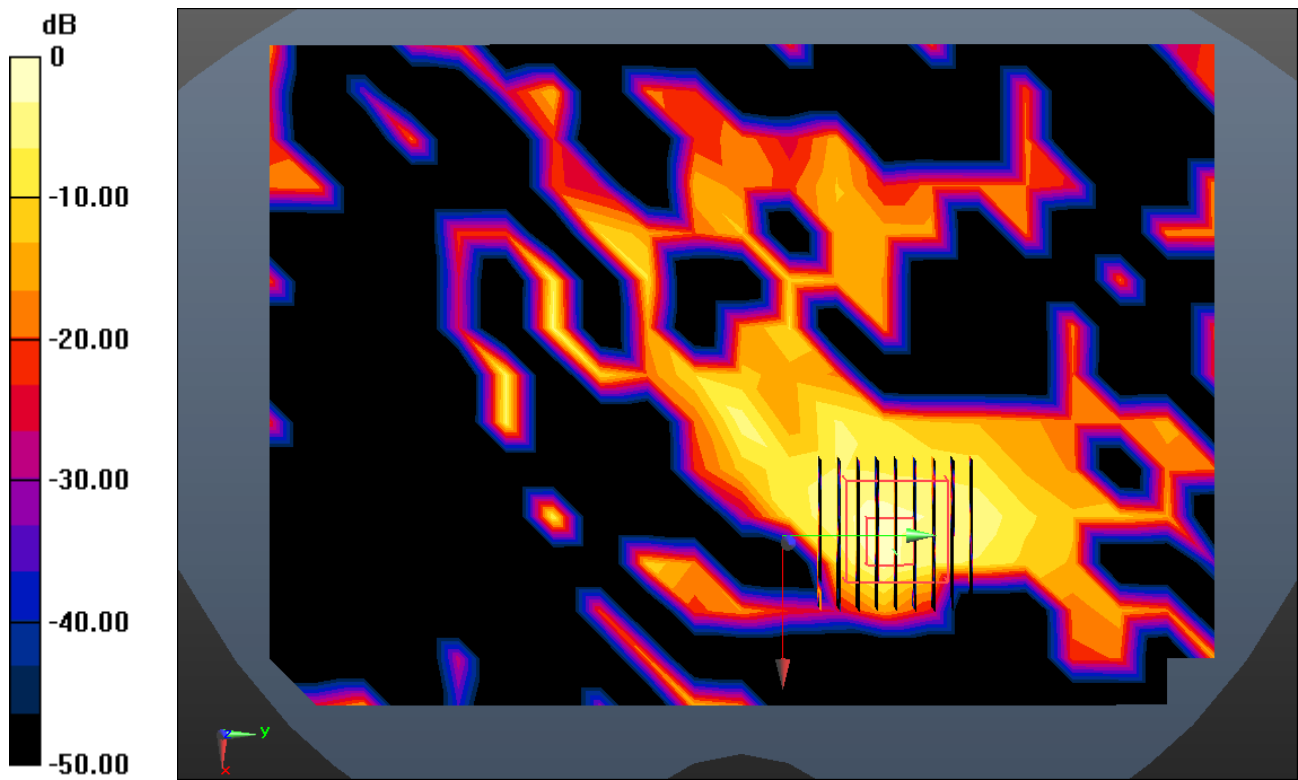
Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.222 W/kg

SAR(1 g) = 0.039 W/kg; SAR(10 g) = 0.011 W/kg



0 dB = 0.123 W/kg



0 dB = 0.123 W/kg

Enlarged Plot for A46

DT&C Co., Ltd.

DUT: LM-Q850FA; Type: Bar

Communication System: UID 0, W-LAN_5 GHz(FCC) (0); Frequency: 5600 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5600$ MHz; $\sigma = 5.945$ S/m; $\epsilon_r = 47.053$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(3.87, 3.87, 3.87); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM-twin middle_2013_09_24; Type: QD000P40CD; Serial: 1782
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-08-17; Ambient Temp: 21.7; Tissue Temp: 21.3

1.0 cm space from Body, Rear, W-LAN(802.11a - 5.6G) Ch. 120, Ant Internal, Ant.2

Area Scan (15x21x1): Measurement grid: dx=10mm, dy=10mm

Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4

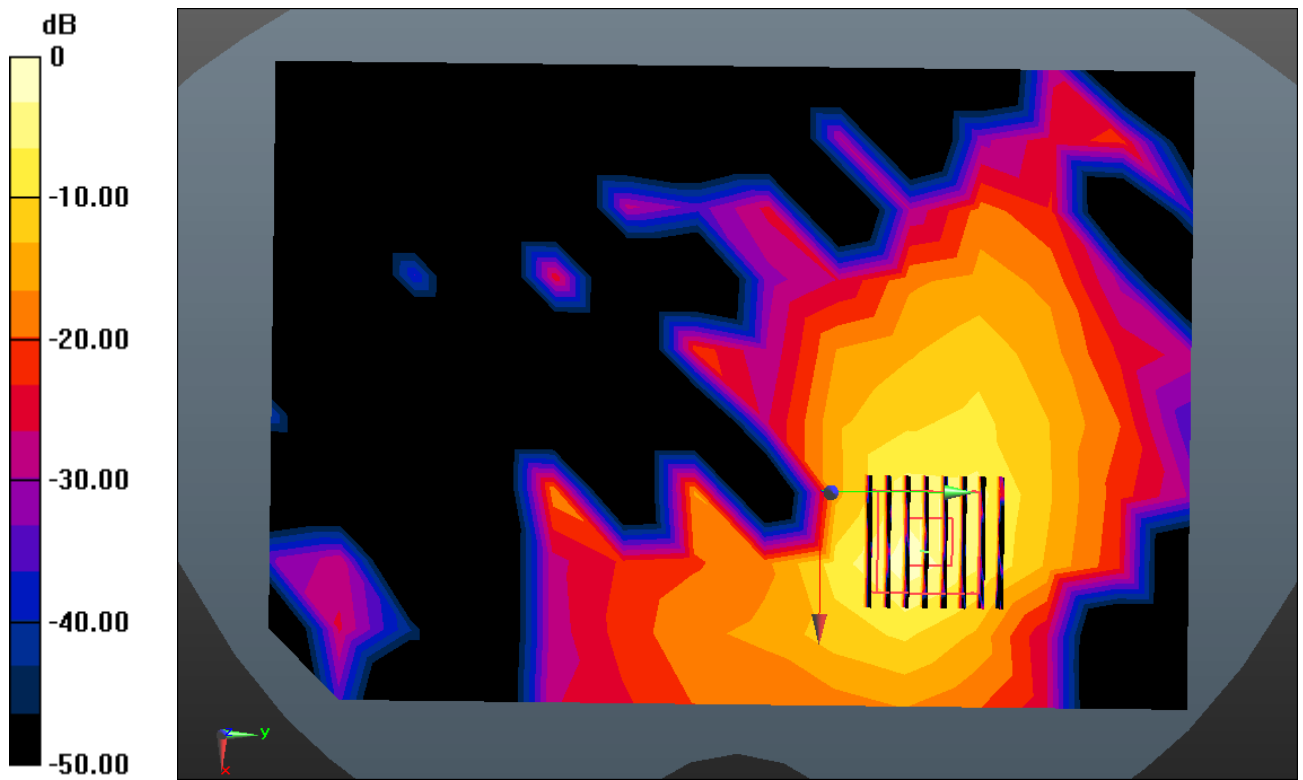
Power Drift = -0.02 dB

Peak SAR (extrapolated) = 2.23 W/kg

SAR(1 g) = 0.505 W/kg; SAR(10 g) = 0.150 W/kg



0 dB = 1.27 W/kg



0 dB = 1.27 W/kg

Enlarged Plot for A47

DT&C Co., Ltd.

DUT: LM-Q850FA; Type: Bar

Communication System: UID 0, W-LAN_5 GHz(FCC) (0); Frequency: 5600 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5600$ MHz; $\sigma = 5.945$ S/m; $\epsilon_r = 47.053$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(3.87, 3.87, 3.87); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM-twin middle_2013_09_24; Type: QD000P40CD; Serial: 1782
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-08-17; Ambient Temp: 21.7; Tissue Temp: 21.3

1.0 cm space from Body, Rear, W-LAN(802.11a - 5.6G) Ch. 120, Ant Internal, MIMO

Area Scan (15x21x1): Measurement grid: dx=10mm, dy=10mm

Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4

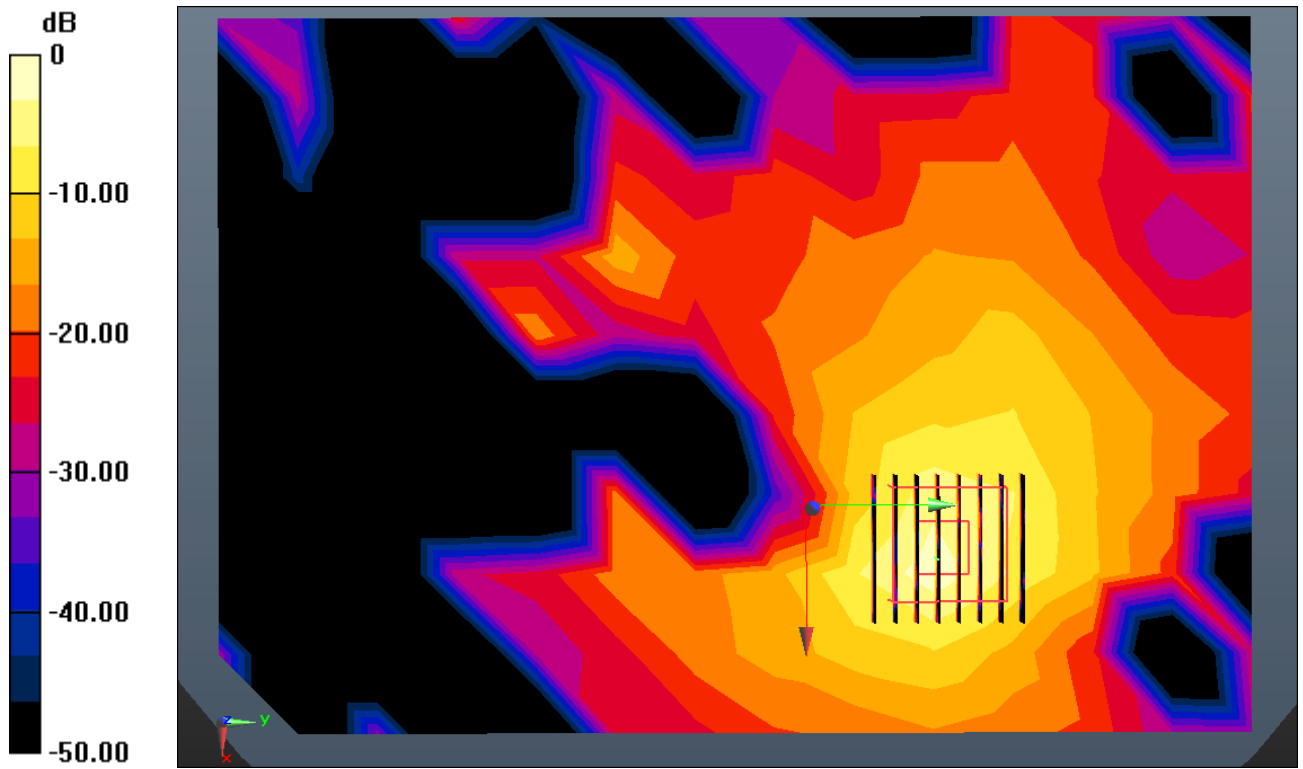
Power Drift = -0.08 dB

Peak SAR (extrapolated) = 2.20 W/kg

SAR(1 g) = 0.502 W/kg; SAR(10 g) = 0.146 W/kg



0 dB = 1.27 W/kg



0 dB = 1.27 W/kg

Enlarged Plot for A48

DT&C Co., Ltd.

DUT: LM-Q850FA; Type: Bar

Communication System: UID 0, W-LAN_5 GHz(FCC) (0); Frequency: 5825 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5825$ MHz; $\sigma = 6.248$ S/m; $\epsilon_r = 46.53$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(4.16, 4.16, 4.16); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM-twin middle_2013_09_24; Type: QD000P40CD; Serial: 1782
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-08-16; Ambient Temp: 21.4; Tissue Temp: 21.6

1.0 cm space from Body, Rear, W-LAN(802.11a - 5.8G) Ch. 165, Ant Internal, Ant.1

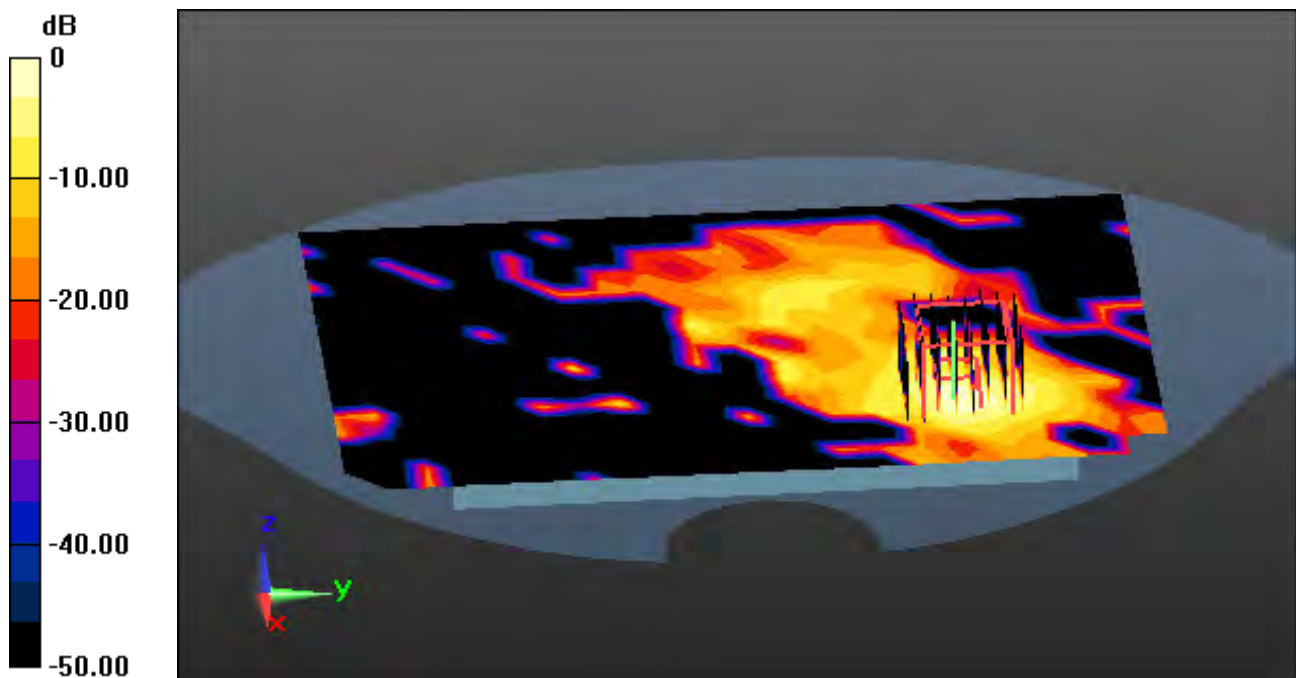
Area Scan (15x21x1): Measurement grid: dx=10mm, dy=10mm

Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4

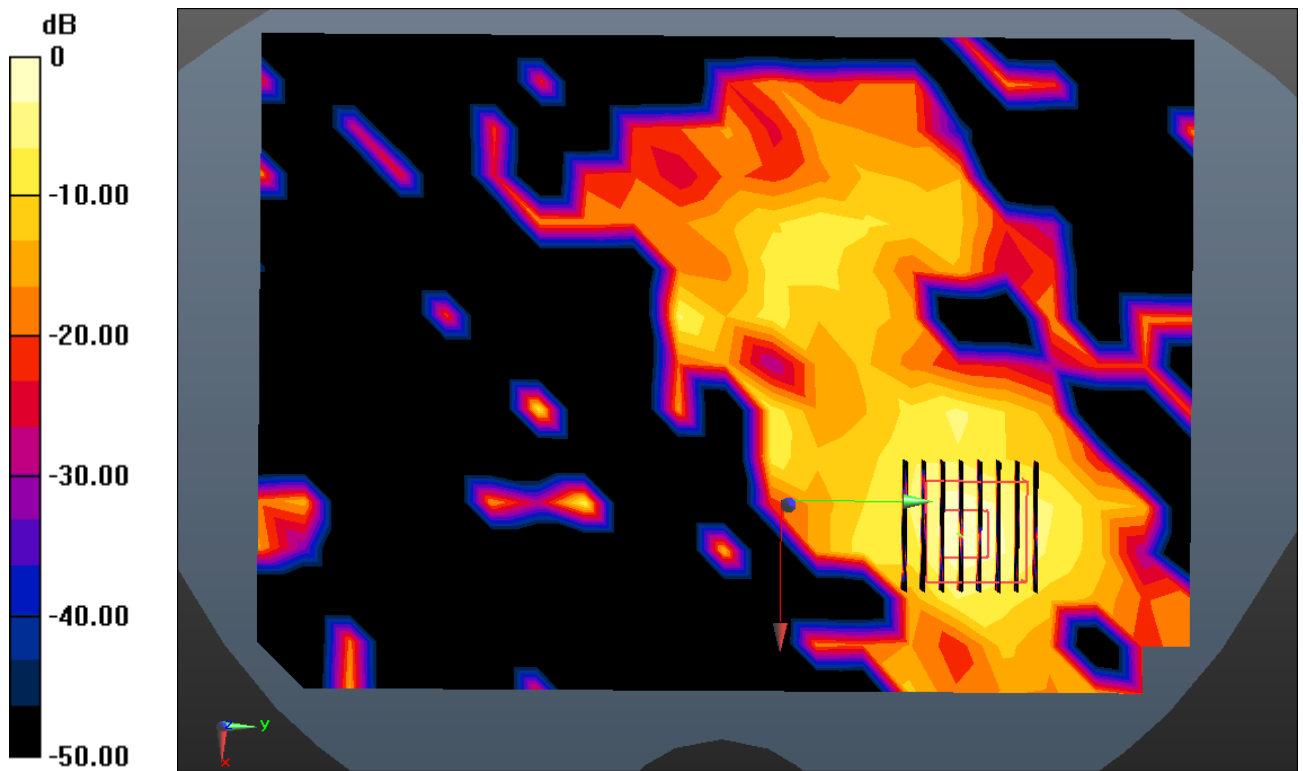
Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.225 W/kg

SAR(1 g) = 0.040 W/kg; SAR(10 g) = 0.011 W/kg



0 dB = 0.129 W/kg



0 dB = 0.129 W/kg

Enlarged Plot for A49

DT&C Co., Ltd.

DUT: LM-Q850FA; Type: Bar

Communication System: UID 0, W-LAN_5 GHz(FCC) (0); Frequency: 5785 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5785$ MHz; $\sigma = 6.184$ S/m; $\epsilon_r = 46.607$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(4.16, 4.16, 4.16); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM-twin middle_2013_09_24; Type: QD000P40CD; Serial: 1782
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-08-16; Ambient Temp: 21.4; Tissue Temp: 21.6

1.0 cm space from Body, Rear, W-LAN(802.11a - 5.8G) Ch. 157, Ant Internal, Ant.2

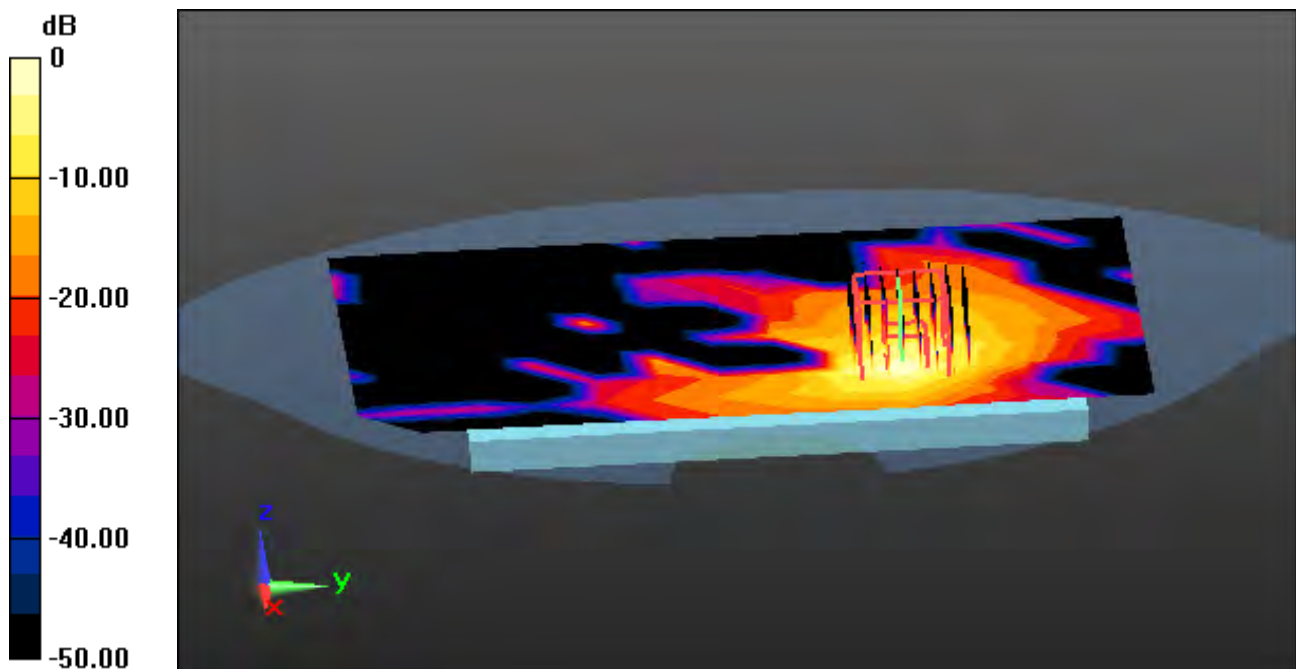
Area Scan (15x21x1): Measurement grid: dx=10mm, dy=10mm

Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4

Power Drift = -0.08 dB

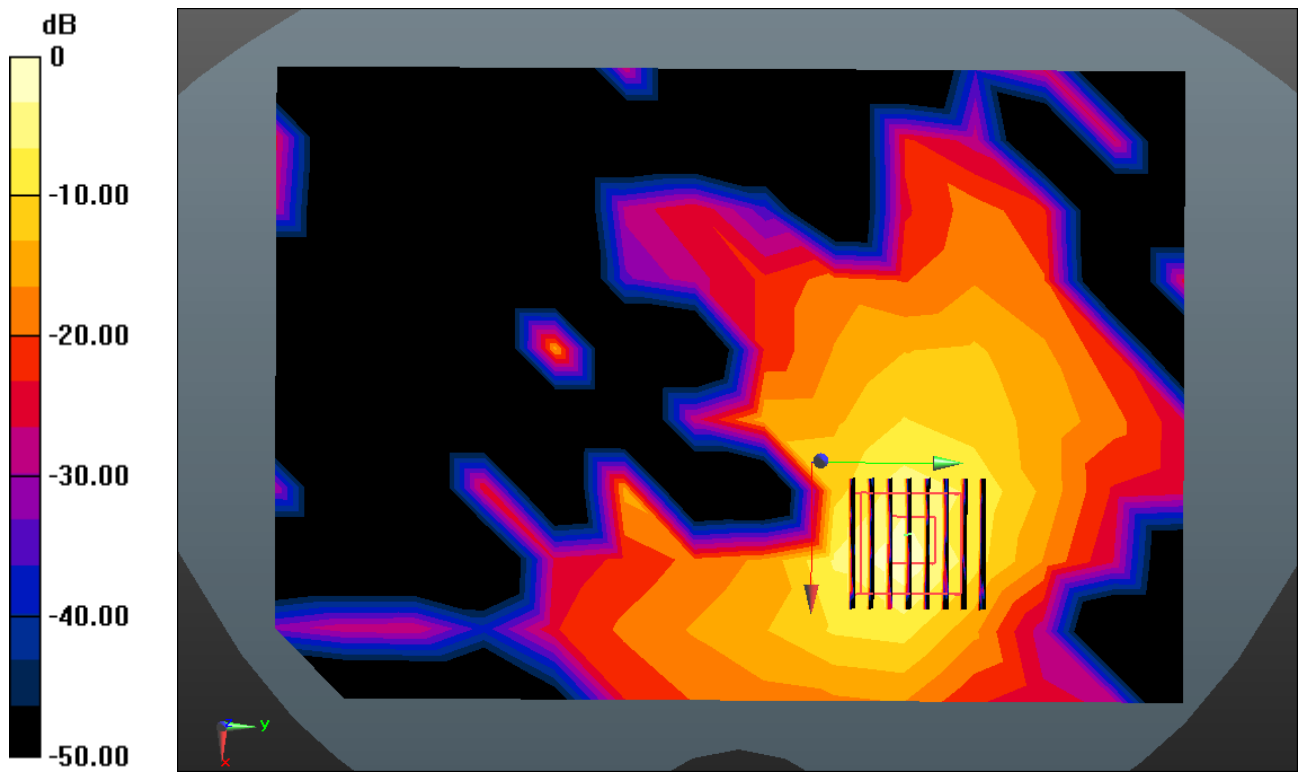
Peak SAR (extrapolated) = 1.87 W/kg

SAR(1 g) = 0.392 W/kg; SAR(10 g) = 0.116 W/kg



0 dB = 1.00 W/kg

A50



0 dB = 1.00 W/kg

Enlarged Plot for A50

DT&C Co., Ltd.

DUT: LM-Q850FA; Type: Bar

Communication System: UID 0, W-LAN_5 GHz(FCC) (0); Frequency: 5785 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5785$ MHz; $\sigma = 6.184$ S/m; $\epsilon_r = 46.607$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(4.16, 4.16, 4.16); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM-twin middle_2013_09_24; Type: QD000P40CD; Serial: 1782
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-08-16; Ambient Temp: 21.4; Tissue Temp: 21.6

1.0 cm space from Body, Rear, W-LAN(802.11a - 5.8G) Ch. 157, Ant Internal, MIMO

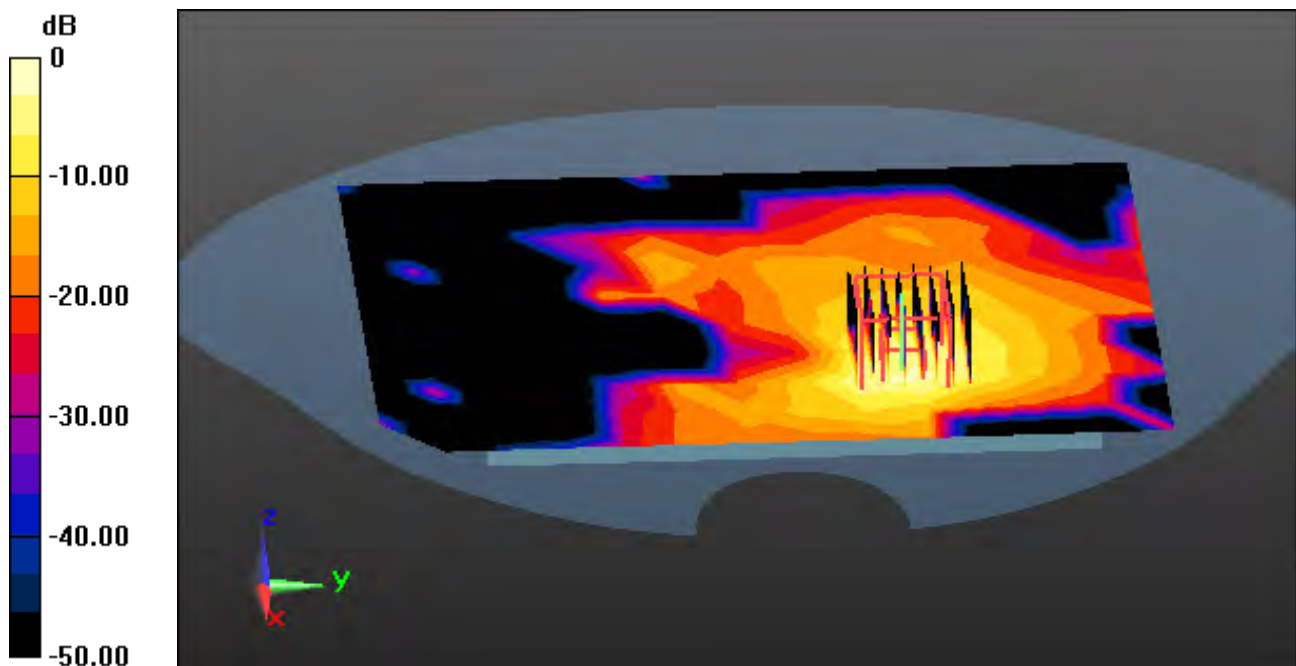
Area Scan (15x21x1): Measurement grid: dx=10mm, dy=10mm

Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
1g/10g Averaged SAR

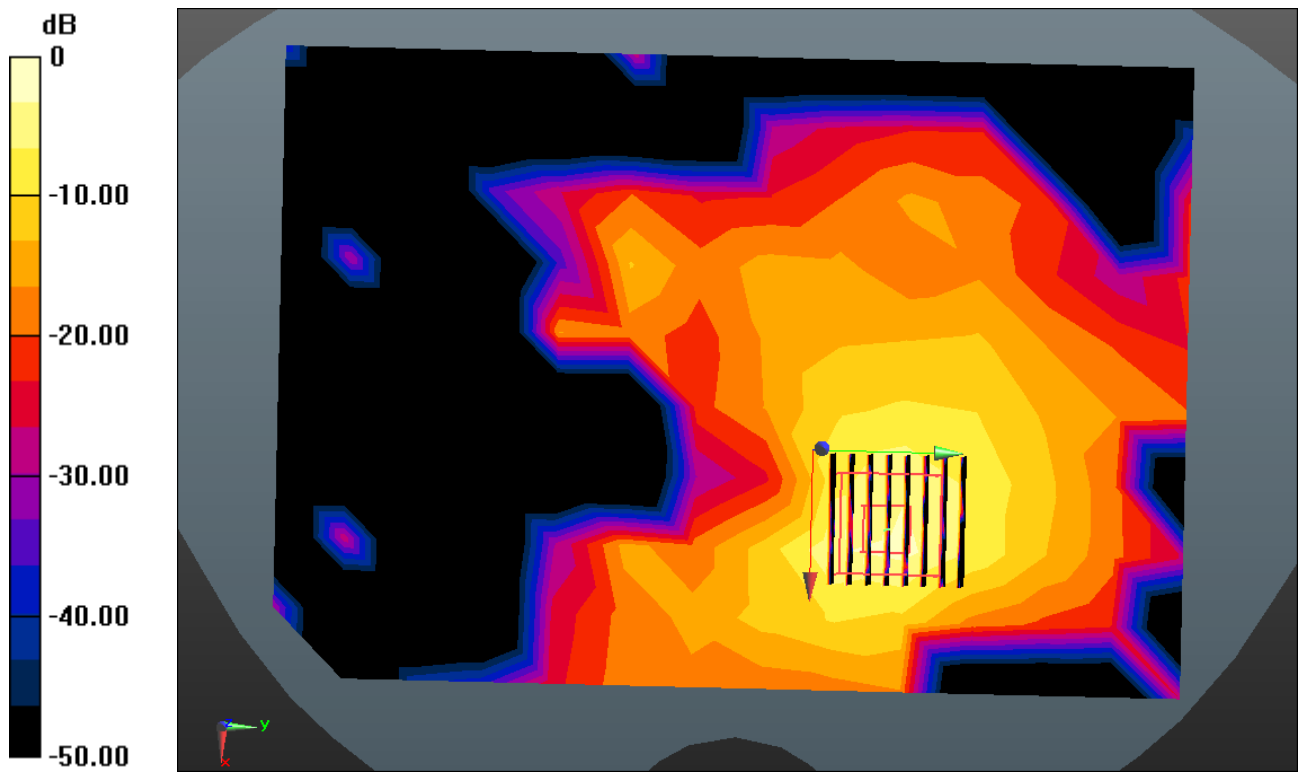
Power Drift = -0.12 dB

Peak SAR (extrapolated) = 1.70 W/kg

SAR(1 g) = 0.355 W/kg; SAR(10 g) = 0.106 W/kg



0 dB = 0.950 W/kg



0 dB = 0.950 W/kg

Enlarged Plot for A51

DT&C Co., Ltd.

DUT: LM-Q850FA; Type: Bar

Communication System: UID 0, Bluetooth (0); Frequency: 2441 MHz; Duty Cycle: 1:1.302
Medium parameters used: $f = 2441$ MHz; $\sigma = 1.892$ S/m; $\epsilon_r = 50.911$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(7.4, 7.4, 7.4); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM-twin middle_2013_09_24; Type: QD000P40CD; Serial: 1782
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-08-22; Ambient Temp: 21.2; Tissue Temp: 21.0

1.0 cm space from Body, Rear, Bluetooth 1Mbps Ch. 39, Ant Internal

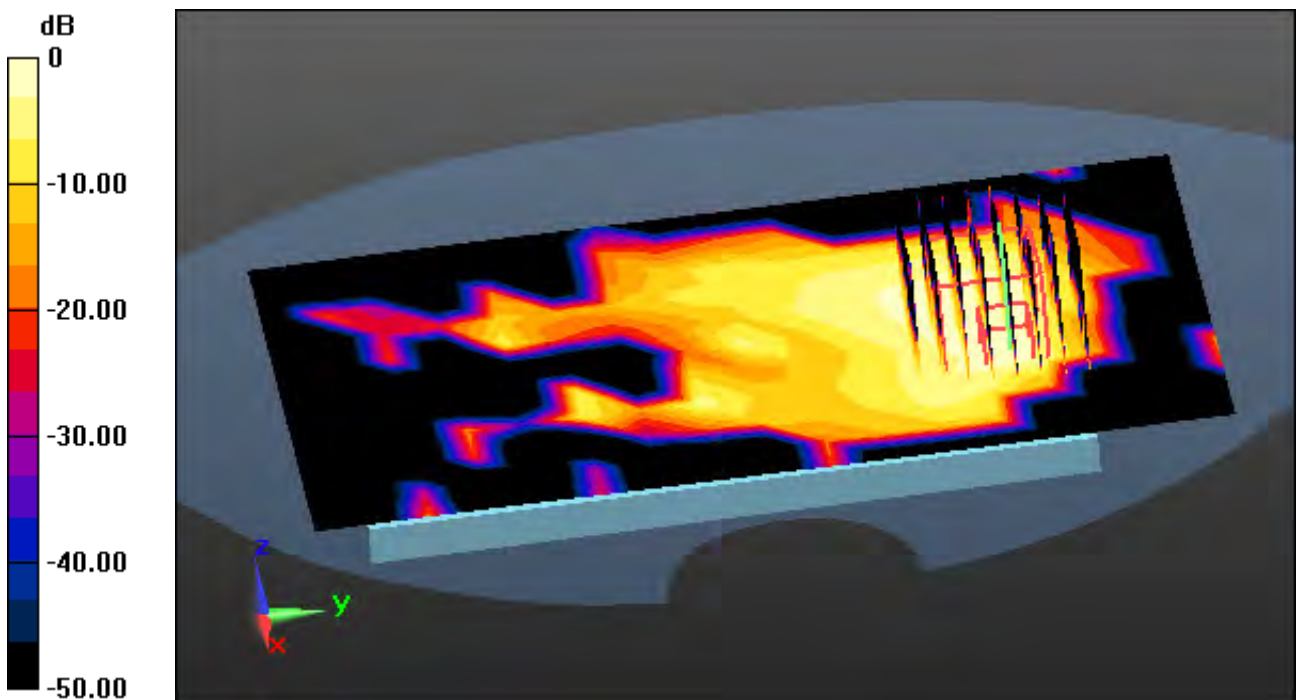
Area Scan (11x17x1): Measurement grid: dx=12mm, dy=12mm

Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

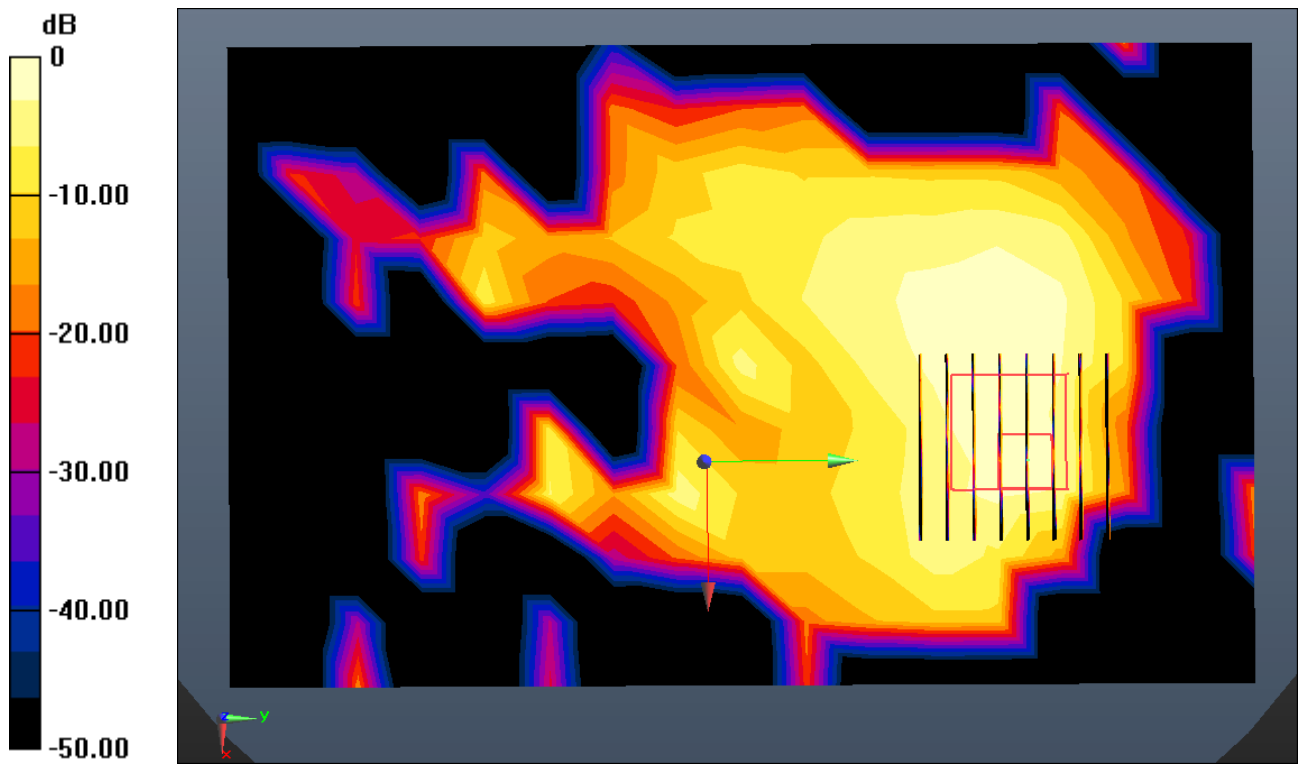
Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.0480 W/kg

SAR(1 g) = 0.019 W/kg; SAR(10 g) = 0.00593 W/kg



0 dB = 0.0344 W/kg



0 dB = 0.0344 W/kg

Enlarged Plot for A52

DT&C Co., Ltd.

DUT: LM-Q850FA; Type: Bar

Communication System: UID 0, PCS1900_Class 10 (0); Frequency: 1880 MHz; Duty Cycle: 1:4.15

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.535$ S/m; $\epsilon_r = 51.373$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

Probe: ES3DV3 - SN3328; ConvF(4.88, 4.88, 4.88); Calibrated: 3/21/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (Mechanical Surface Detection)

Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786

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

Test Date: 2018-08-09; Ambient Temp: 20.7; Tissue Temp: 21.1

1 cm space from Body, Bottom, PCS1900 GPRS 2Tx Ch. 661, Ant Internal

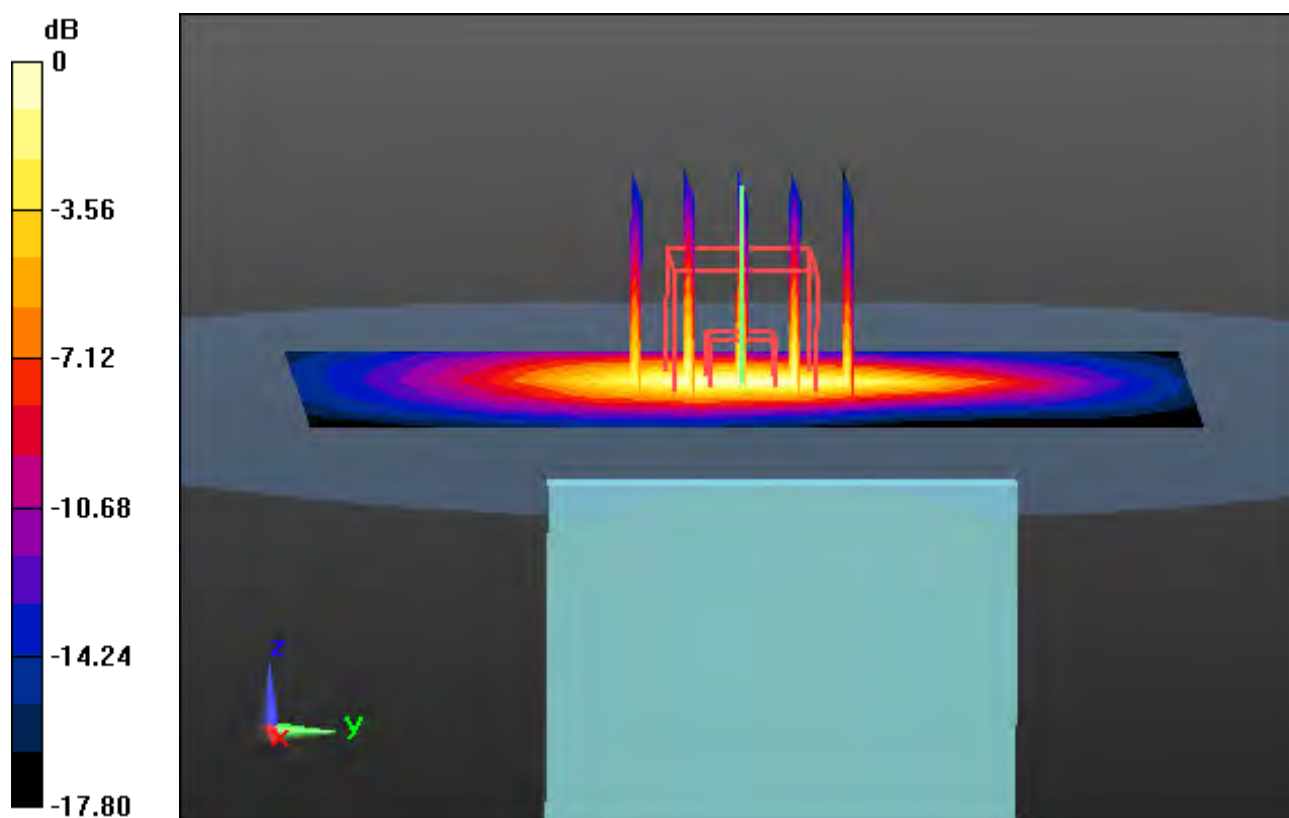
Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm

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

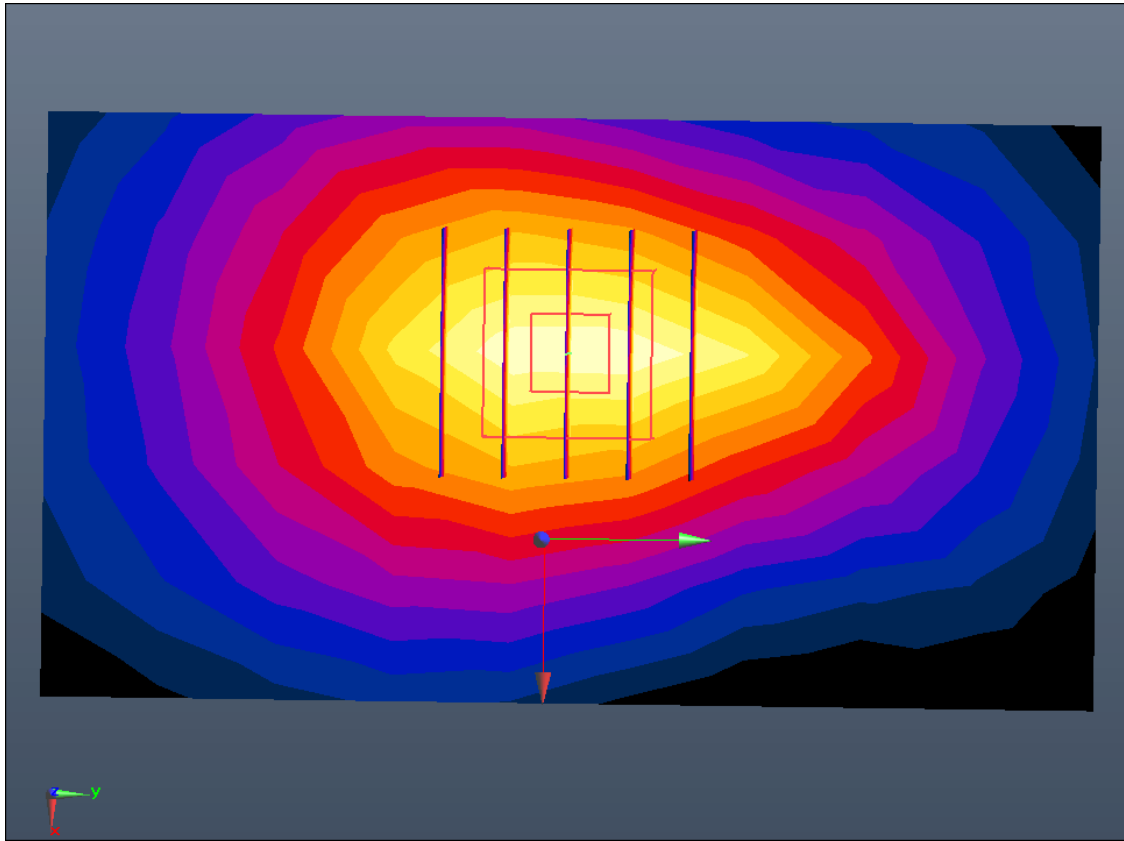
Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.60 W/kg

SAR(1 g) = 0.962 W/kg; SAR(10 g) = 0.532 W/kg



0 dB = 1.19 W/kg



Enlarged Plot for A53

DT&C Co., Ltd.

DUT: LM-Q850FA; Type: Bar

Communication System: UID 0, WCDMA Band 4 (0); Frequency: 1732.4 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1732.4$ MHz; $\sigma = 1.52$ S/m; $\epsilon_r = 52.896$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: ES3DV3 - SN3328; ConvF(5.1, 5.1, 5.1); Calibrated: 3/21/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-08-13; Ambient Temp: 20.5; Tissue Temp: 21.3

1 cm space from Body, Bottom, WCDMA Band 4 Ch. 1412, Ant Internal

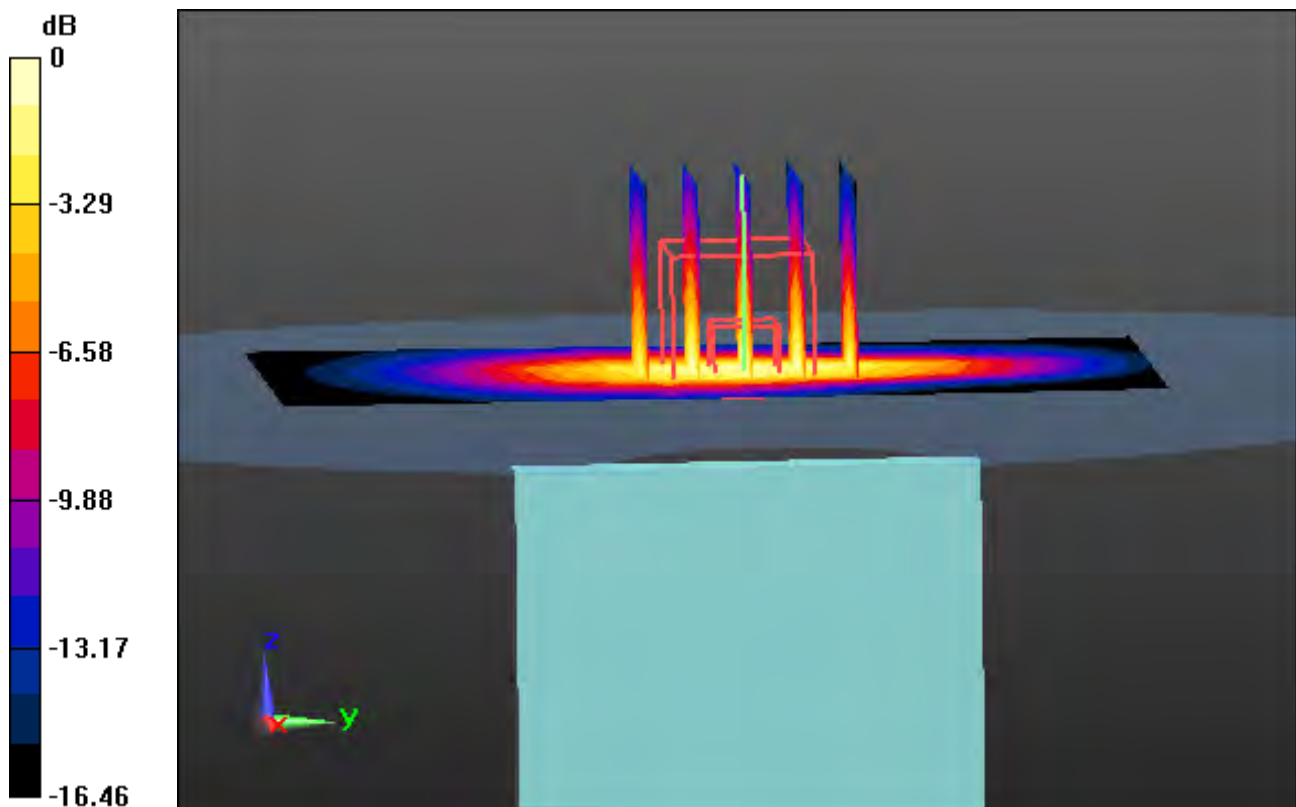
Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm

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

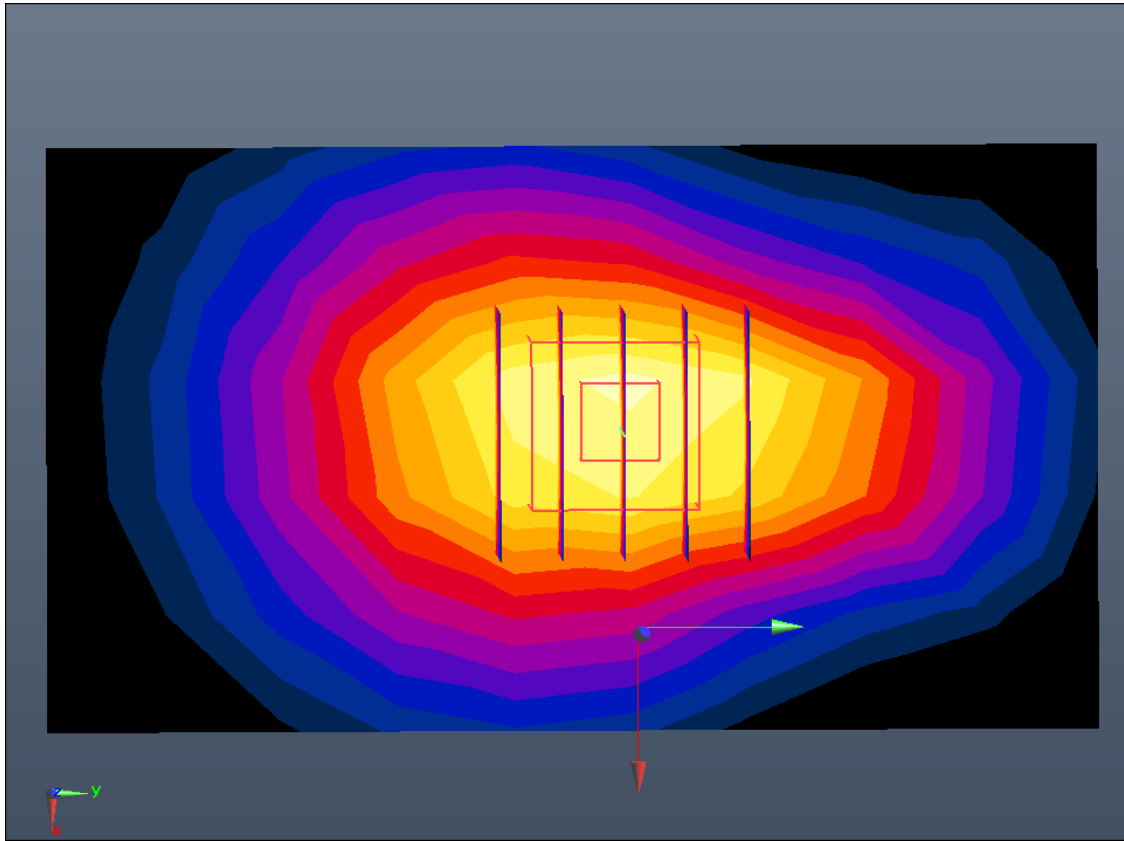
Power Drift = -0.18 dB

Peak SAR (extrapolated) = 1.22 W/kg

SAR(1 g) = 0.756 W/kg; SAR(10 g) = 0.430 W/kg



0 dB = 0.922 W/kg



Enlarged Plot for A54

DT&C Co., Ltd.

DUT: LM-Q850FA; Type: Bar

Communication System: UID 0, WCDMA 1900 (0); Frequency: 1852.4 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1852.4$ MHz; $\sigma = 1.509$ S/m; $\epsilon_r = 51.742$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: ES3DV3 - SN3328; ConvF(4.88, 4.88, 4.88); Calibrated: 3/21/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-08-10; Ambient Temp: 20.4; Tissue Temp: 21.0

1 cm space from Body, Bottom, WCDMA Band 2 Ch. 9262, Ant Internal

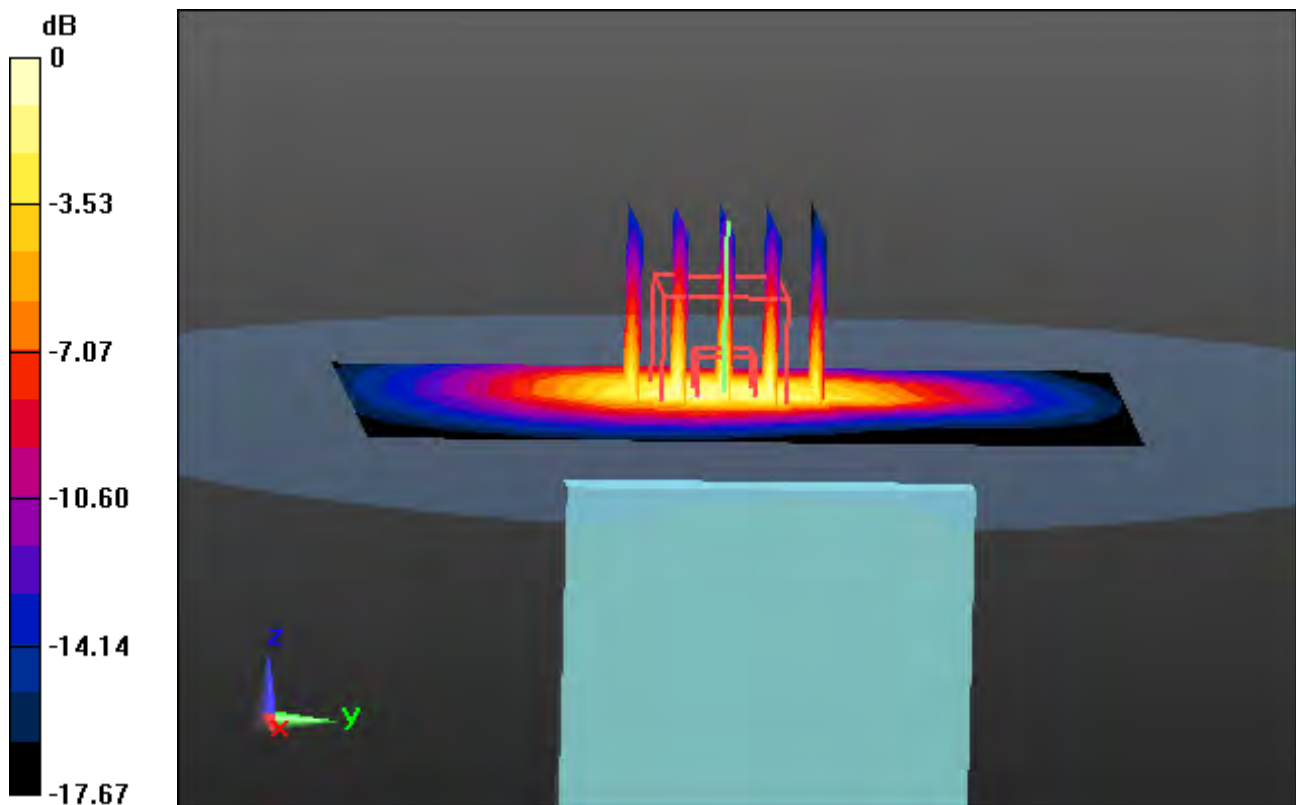
Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm

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

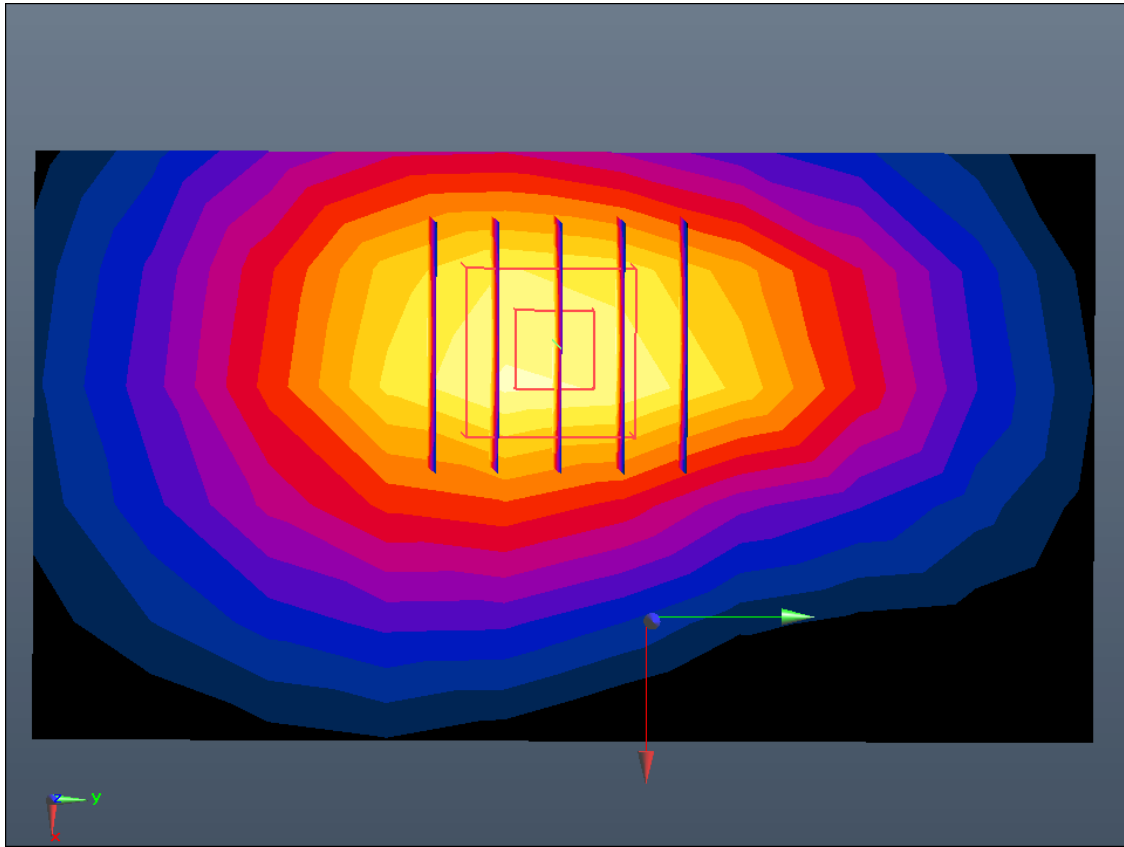
Power Drift = 0.12 dB

Peak SAR (extrapolated) = 1.48 W/kg

SAR(1 g) = 0.898 W/kg; SAR(10 g) = 0.499 W/kg



0 dB = 1.11 W/kg



Enlarged Plot for A55

DT&C Co., Ltd.

DUT: LM-Q850FA; Type: Bar

Communication System: UID 0, LTE Band 66 (0); Frequency: 1770 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1770$ MHz; $\sigma = 1.553$ S/m; $\epsilon_r = 52.907$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: ES3DV3 - SN3328; ConvF(5.1, 5.1, 5.1); Calibrated: 3/21/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-08-22; Ambient Temp: 20.7; Tissue Temp: 21.0

1 cm space from Body, Bottom, LTE Band 66 Ch. 132572, Ant Internal

Mode : BandWidth 20 MHz, QPSK, RB Size: 1

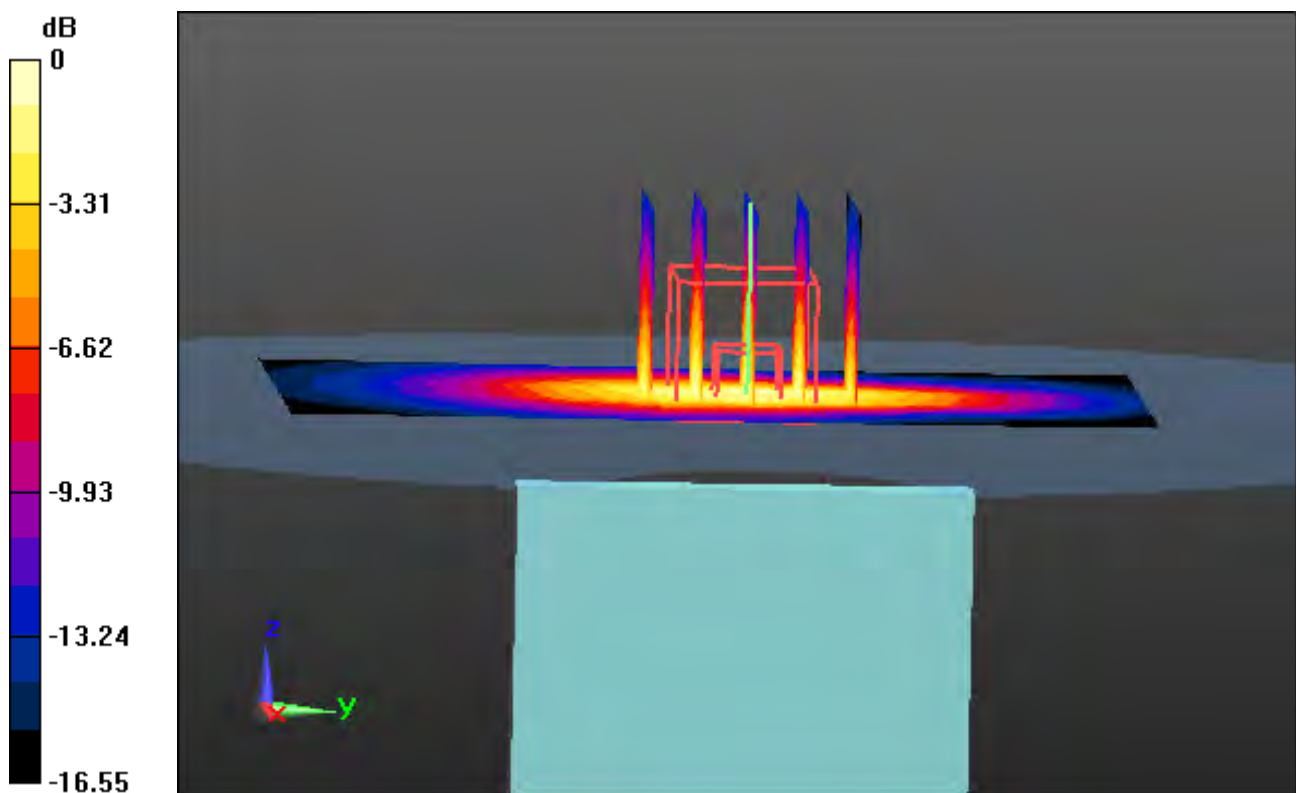
Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm

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

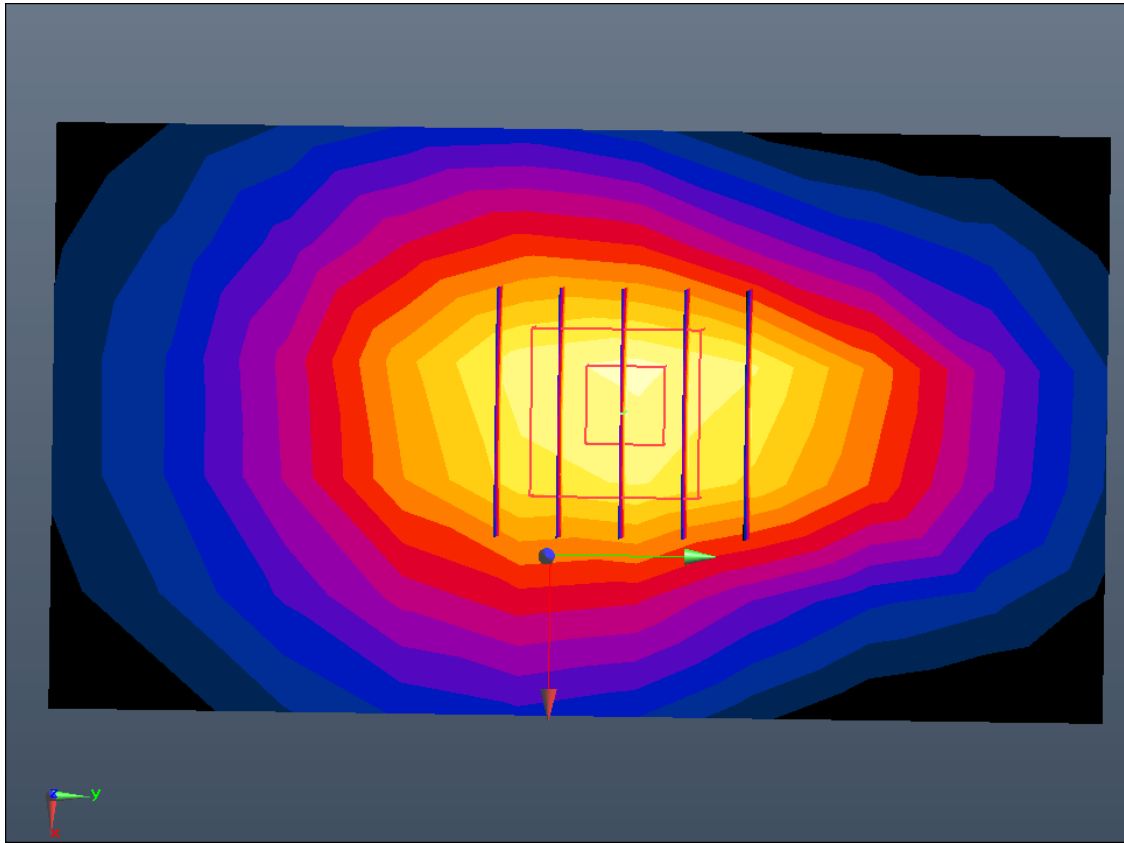
Power Drift = -0.16 dB

Peak SAR (extrapolated) = 1.20 W/kg

SAR(1 g) = 0.743 W/kg; SAR(10 g) = 0.424 W/kg



0 dB = 0.908 W/kg



Enlarged Plot for A56

DT&C Co., Ltd.

DUT: LM-Q850FA; Type: Bar

Communication System: UID 0, LTE Band 2 (0); Frequency: 1860 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1860$ MHz; $\sigma = 1.514$ S/m; $\epsilon_r = 51.806$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: ES3DV3 - SN3328; ConvF(4.88, 4.88, 4.88); Calibrated: 3/21/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-08-15; Ambient Temp: 20.9; Tissue Temp: 21.2

1 cm space from Body, Bottom, LTE Band 2 Ch. 18700, Ant Internal

Mode : BandWidth 20 MHz, QPSK, RB Size: 1

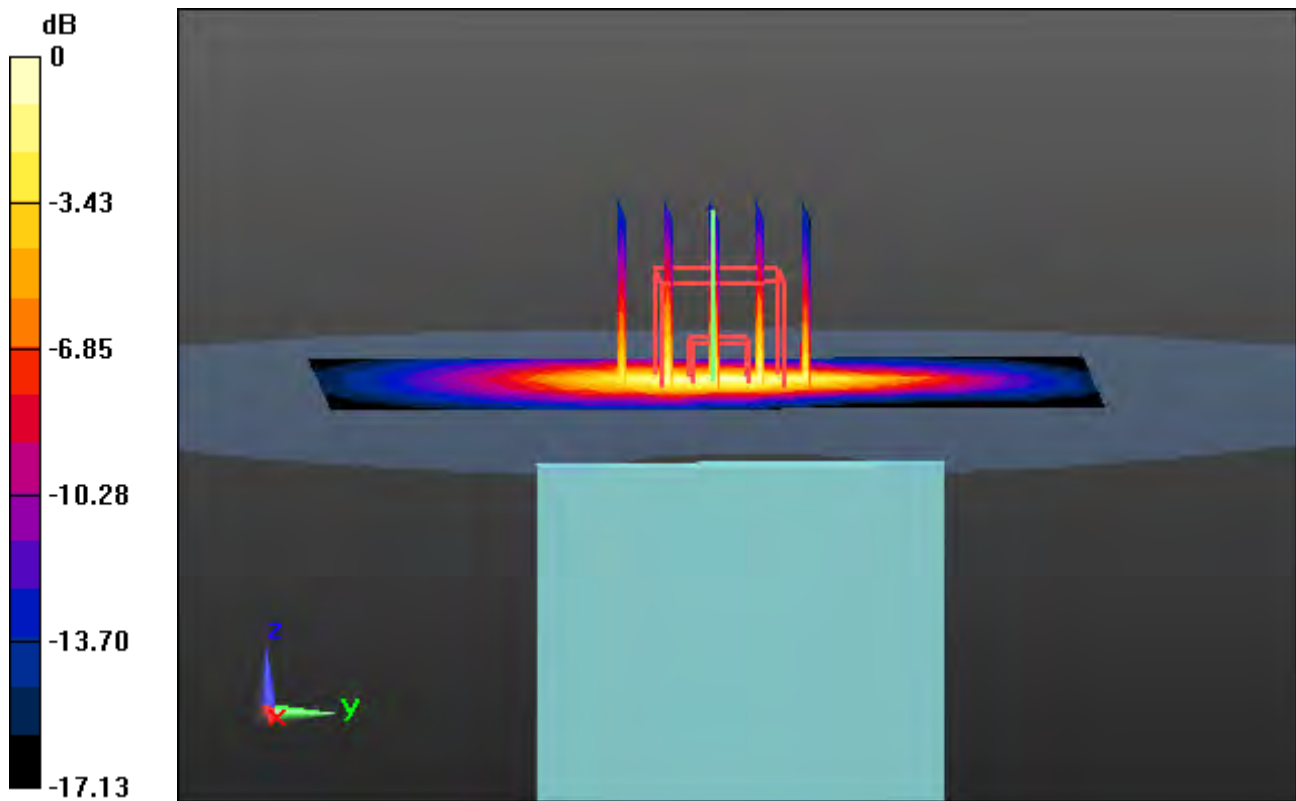
Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm

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

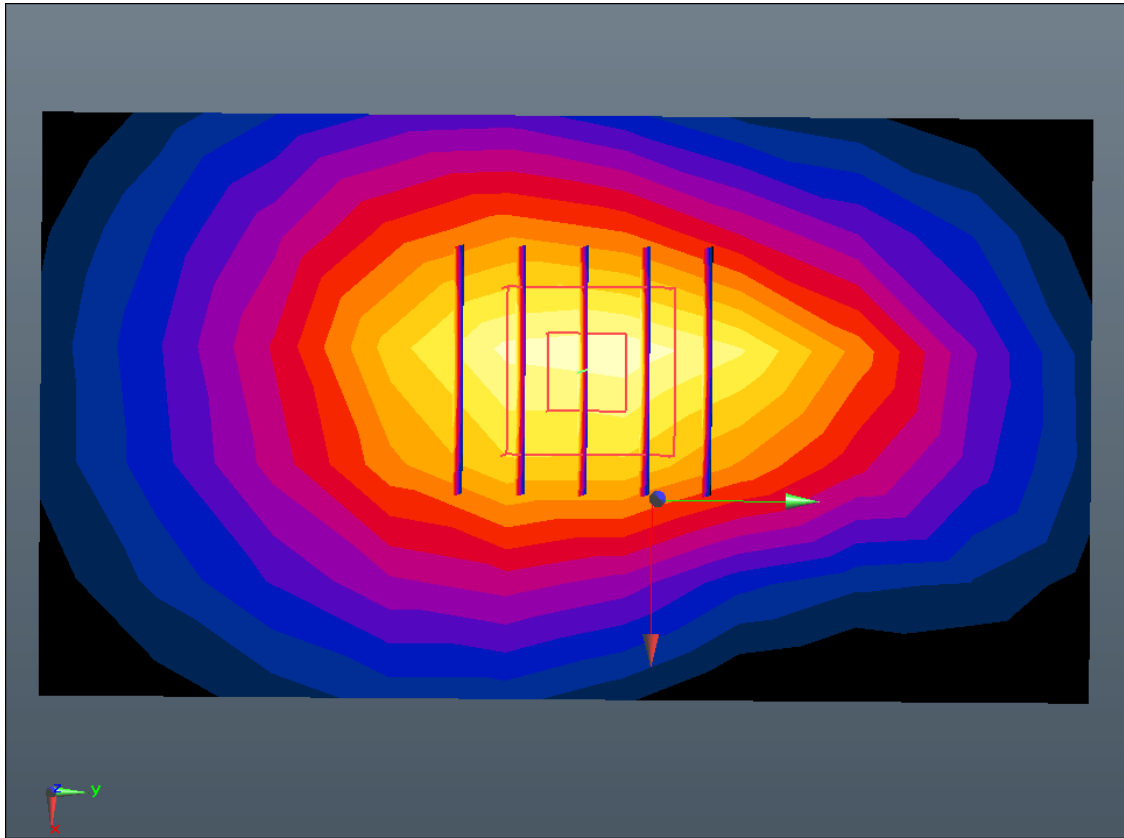
Power Drift = -0.10 dB

Peak SAR (extrapolated) = 1.45 W/kg

SAR(1 g) = 0.886 W/kg; SAR(10 g) = 0.495 W/kg



0 dB = 1.09 W/kg



Enlarged Plot for A57

DT&C Co., Ltd.

DUT: LM-Q850FA; Type: Bar

Communication System: UID 0, LTE Band 41 (0); Frequency: 2593 MHz; Duty Cycle: 1:1.58
Medium parameters used: $f = 2593$ MHz; $\sigma = 2.116$ S/m; $\epsilon_r = 51.399$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: ES3DV3 - SN3328; ConvF(4.32, 4.32, 4.32); Calibrated: 3/21/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-08-24; Ambient Temp: 20.4; Tissue Temp: 21.2

1 cm space from Body, Bottom, LTE Band 41 Ch. 40620, Ant Internal

Mode : BandWidth 20 MHz, QPSK, RB Size: 1

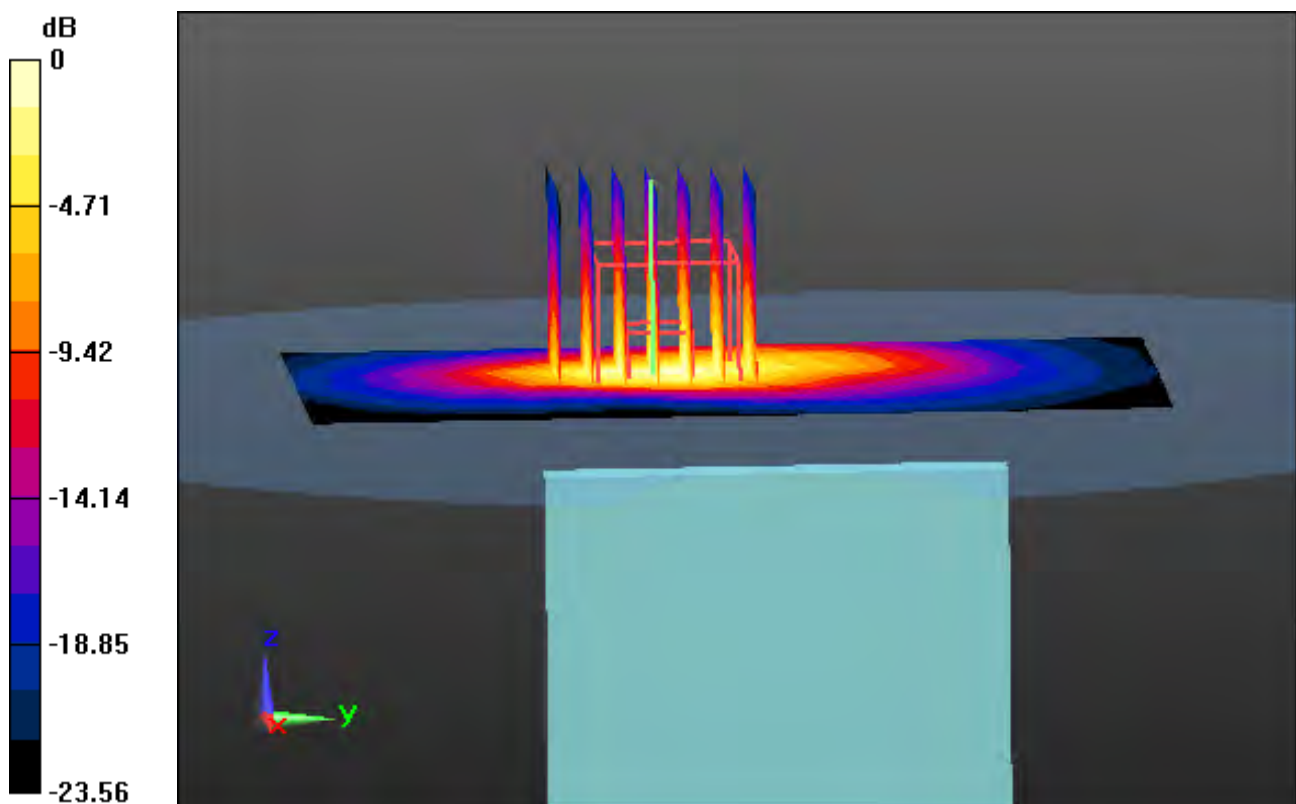
Area Scan (7x12x1): Measurement grid: dx=12mm, dy=12mm

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

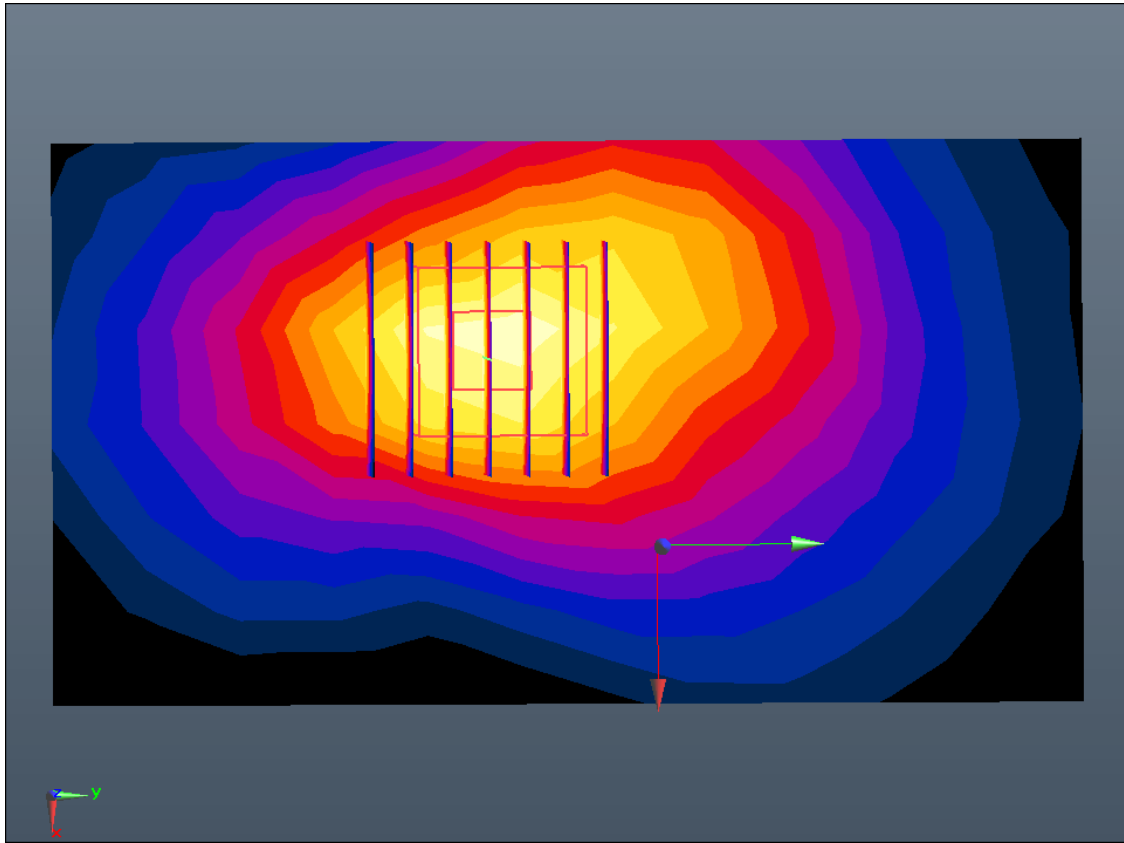
Power Drift = -0.10 dB

Peak SAR (extrapolated) = 1.87 W/kg

SAR(1 g) = 0.888 W/kg; SAR(10 g) = 0.405 W/kg



0 dB = 1.17 W/kg



Enlarged Plot for A58

DT&C Co., Ltd.

DUT: LM-Q850FA; Type: Bar

Communication System: UID 0, 2.4 GHz W-LAN (0); Frequency: 2412 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2412$ MHz; $\sigma = 1.858$ S/m; $\epsilon_r = 50.981$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(7.4, 7.4, 7.4); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM-twin middle_2013_09_24; Type: QD000P40CD; Serial: 1782
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-08-22; Ambient Temp: 21.2; Tissue Temp: 21.0

1.0 cm space from Body, Top, W-LAN(802.11b - 2.4G) Ch. 1, Ant Internal, Ant.1

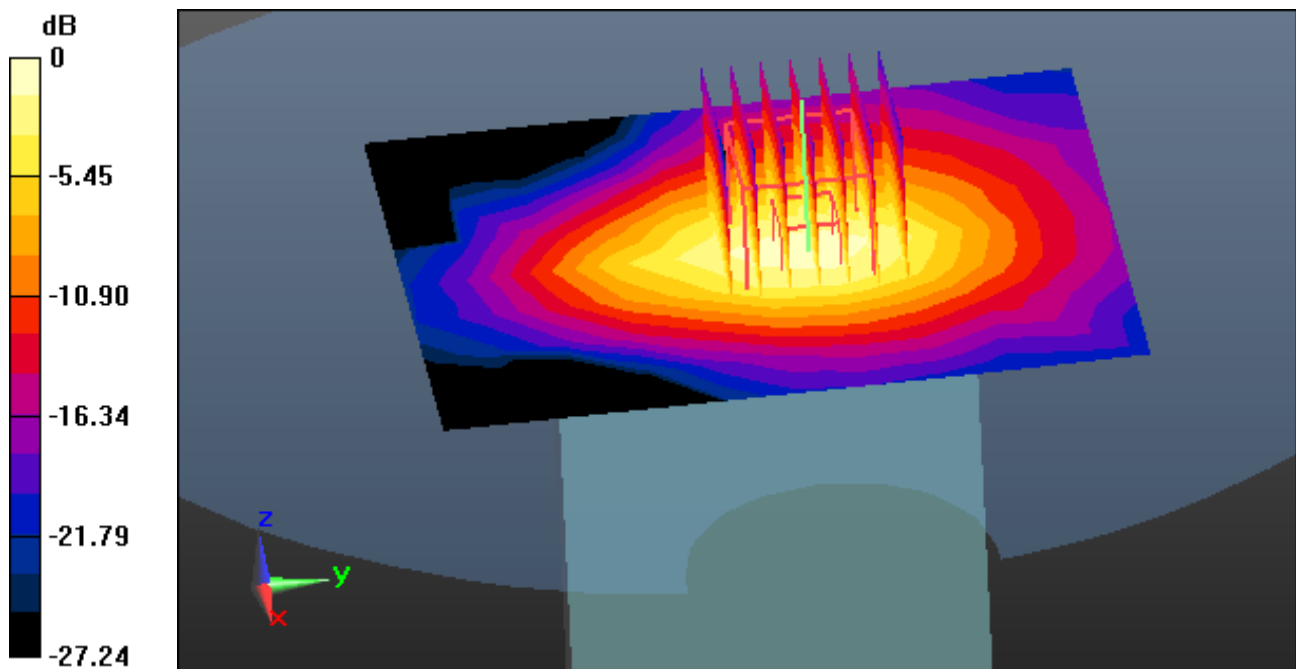
Area Scan (9x11x1): Measurement grid: dx=12mm, dy=12mm

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

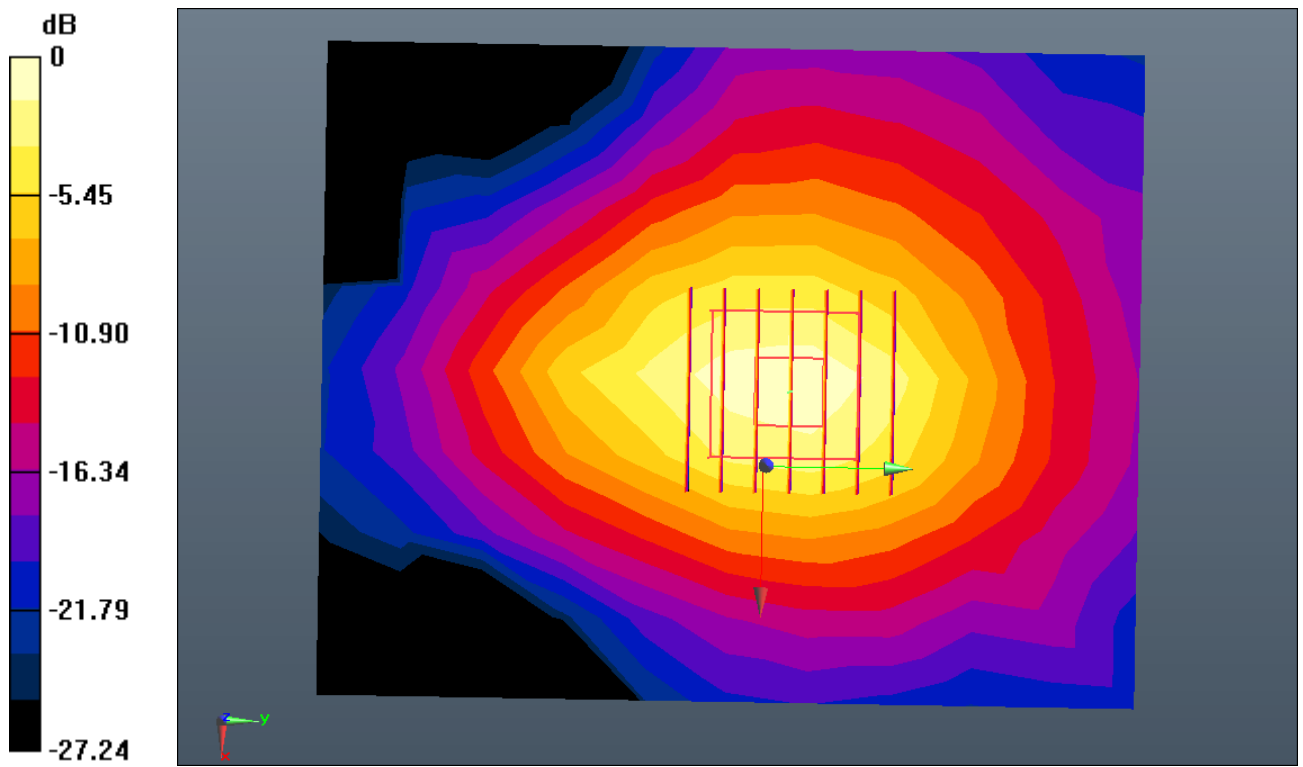
Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.372 W/kg

SAR(1 g) = 0.199 W/kg; SAR(10 g) = 0.101 W/kg



0 dB = 0.287 W/kg



0 dB = 0.287 W/kg

Enlarged Plot for A59

DT&C Co., Ltd.

DUT: LM-Q850FA; Type: Bar

Communication System: UID 0, W-LAN_5 GHz(FCC) (0); Frequency: 5240 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5240$ MHz; $\sigma = 5.541$ S/m; $\epsilon_r = 48.151$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(4.69, 4.69, 4.69); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM-twin middle_2013_09_24; Type: QD000P40CD; Serial: 1782
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-08-21; Ambient Temp: 21.0; Tissue Temp: 21.5

1.0 cm space from Body, Rear, W-LAN(802.11a - 5.2G) Ch. 48, Ant Internal, Ant.1

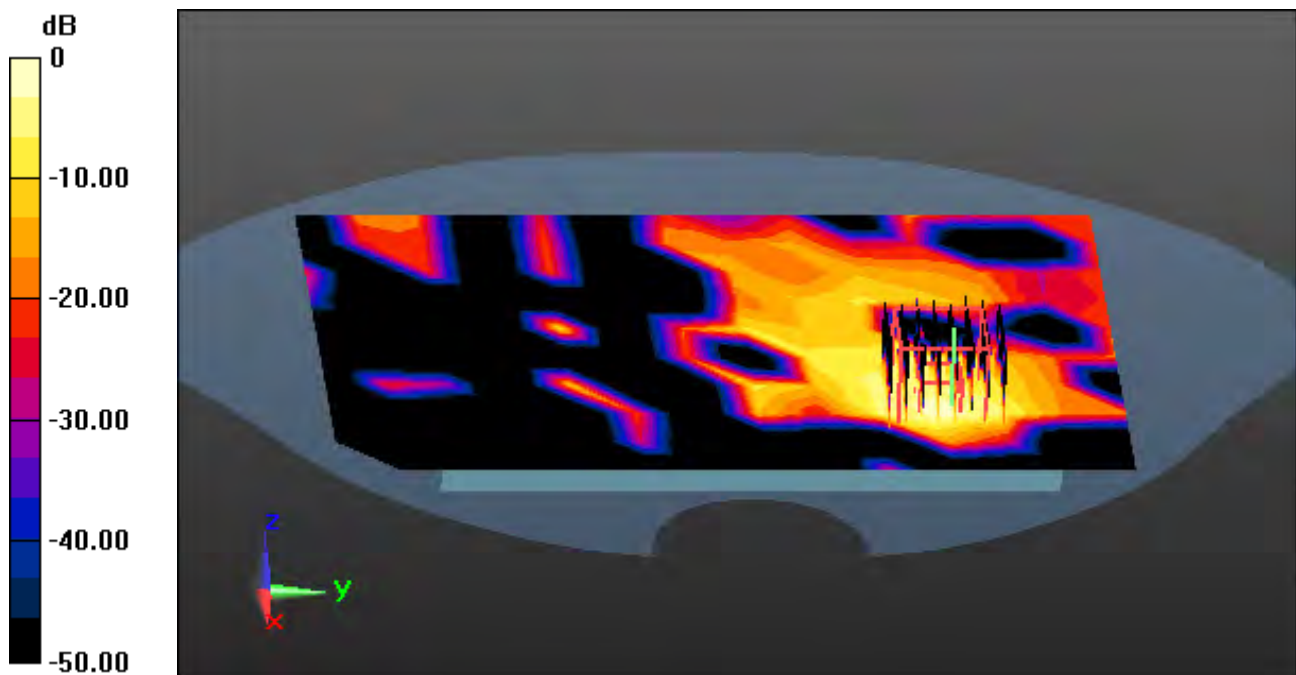
Area Scan (15x21x1): Measurement grid: dx=10mm, dy=10mm

Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4

Power Drift = 0.01 dB

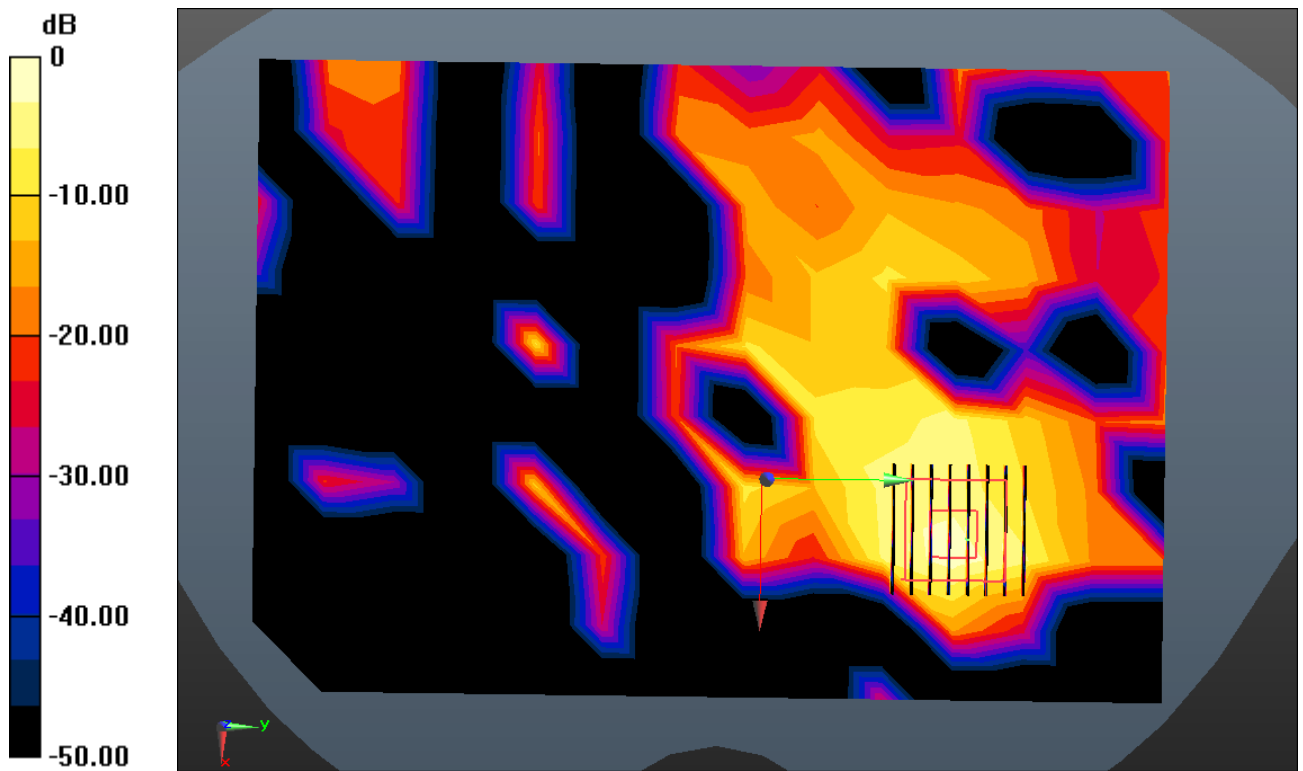
Peak SAR (extrapolated) = 0.318 W/kg

SAR(1 g) = 0.078 W/kg; SAR(10 g) = 0.024 W/kg



0 dB = 0.198 W/kg

A60



0 dB = 0.198 W/kg

Enlarged Plot for A60

DT&C Co., Ltd.

DUT: LM-Q850FA; Type: Bar

Communication System: UID 0, W-LAN_5 GHz(FCC) (0); Frequency: 5240 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5240$ MHz; $\sigma = 5.541$ S/m; $\epsilon_r = 48.151$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(4.69, 4.69, 4.69); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM-twin middle_2013_09_24; Type: QD000P40CD; Serial: 1782
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-08-21; Ambient Temp: 21.0; Tissue Temp: 21.5

1.0 cm space from Body, Rear, W-LAN(802.11a - 5.2G) Ch. 48, Ant Internal, Ant.2

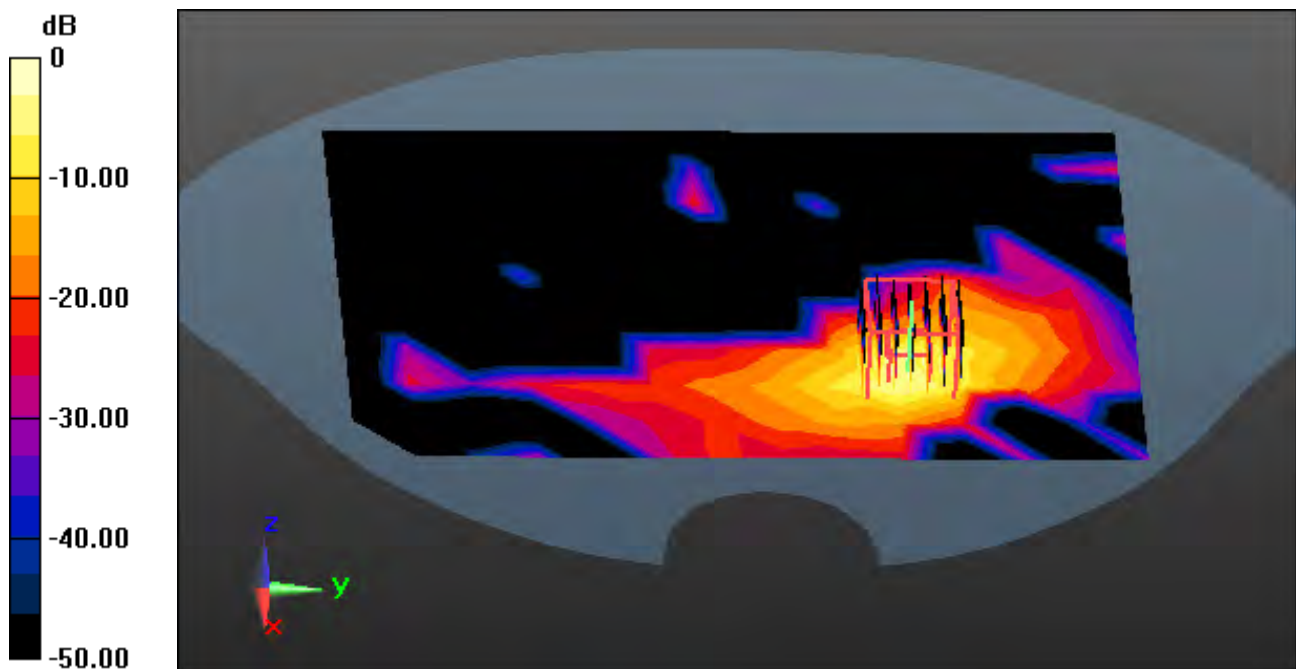
Area Scan (15x21x1): Measurement grid: dx=10mm, dy=10mm

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

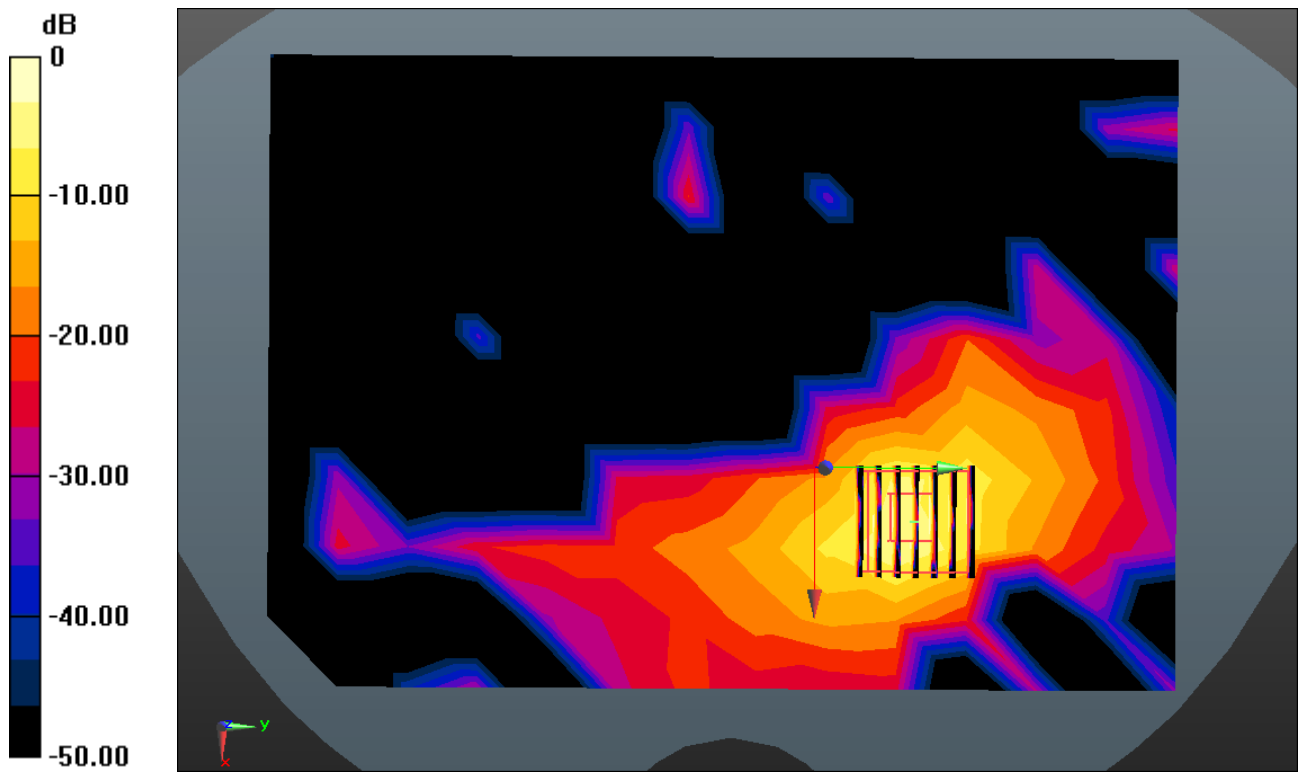
Power Drift = 0.00 dB

Peak SAR (extrapolated) = 1.58 W/kg

SAR(1 g) = 0.396 W/kg; SAR(10 g) = 0.105 W/kg



0 dB = 1.02 W/kg



0 dB = 1.02 W/kg

Enlarged Plot for A61

DT&C Co., Ltd.

DUT: LM-Q850FA; Type: Bar

Communication System: UID 0, W-LAN_5 GHz(FCC) (0); Frequency: 5240 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5240$ MHz; $\sigma = 5.541$ S/m; $\epsilon_r = 48.151$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(4.69, 4.69, 4.69); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM-twin middle_2013_09_24; Type: QD000P40CD; Serial: 1782
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-08-21; Ambient Temp: 21.0; Tissue Temp: 21.5

1.0 cm space from Body, Rear, W-LAN(802.11a - 5.2G) Ch. 48, Ant Internal, MIMO

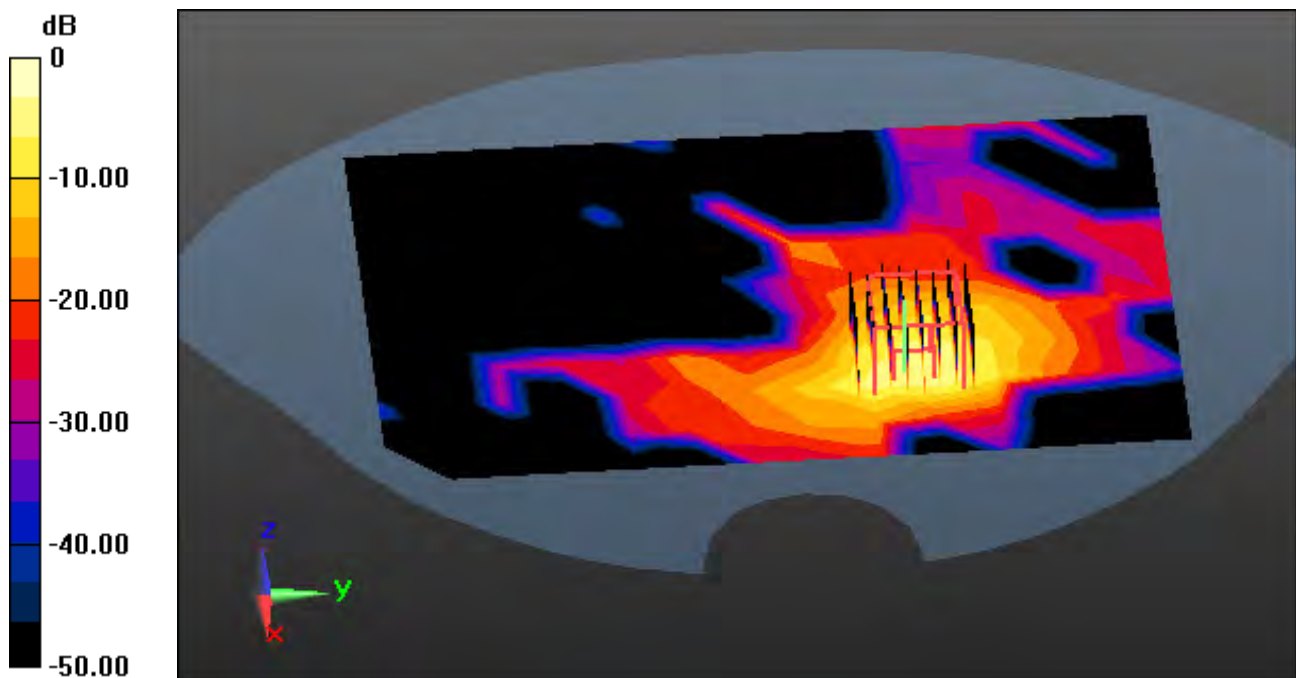
Area Scan (15x21x1): Measurement grid: dx=10mm, dy=10mm

Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4

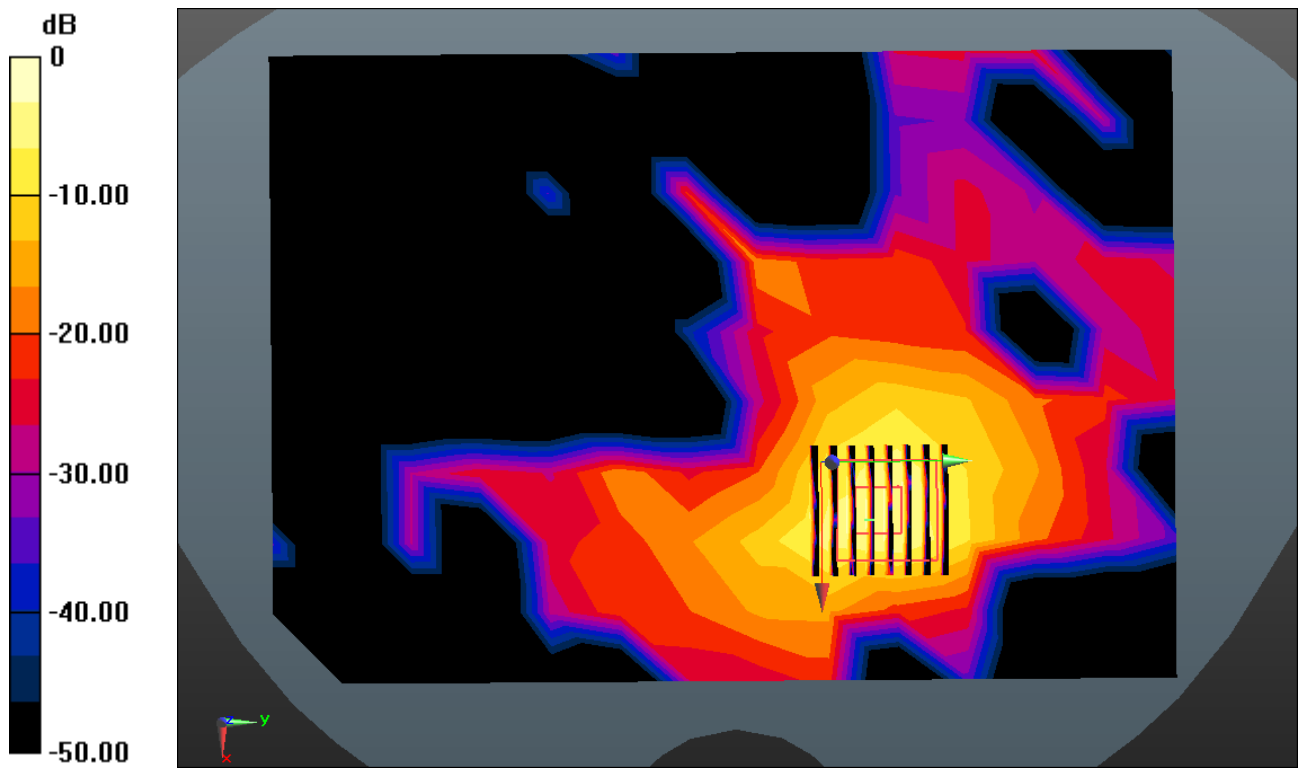
Power Drift = -0.14 dB

Peak SAR (extrapolated) = 1.77 W/kg

SAR(1 g) = 0.436 W/kg; SAR(10 g) = 0.119 W/kg



0 dB = 1.03 W/kg



0 dB = 1.03 W/kg

Enlarged Plot for A62

DT&C Co., Ltd.

DUT: LM-Q850FA; Type: Bar

Communication System: UID 0, W-LAN_5 GHz(FCC) (0); Frequency: 5785 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5785$ MHz; $\sigma = 6.184$ S/m; $\epsilon_r = 46.607$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(4.16, 4.16, 4.16); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM-twin middle_2013_09_24; Type: QD000P40CD; Serial: 1782
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-08-16; Ambient Temp: 21.4; Tissue Temp: 21.6

1.0 cm space from Body, Front, W-LAN(802.11a - 5.8G) Ch. 157, Ant Internal, Ant 1

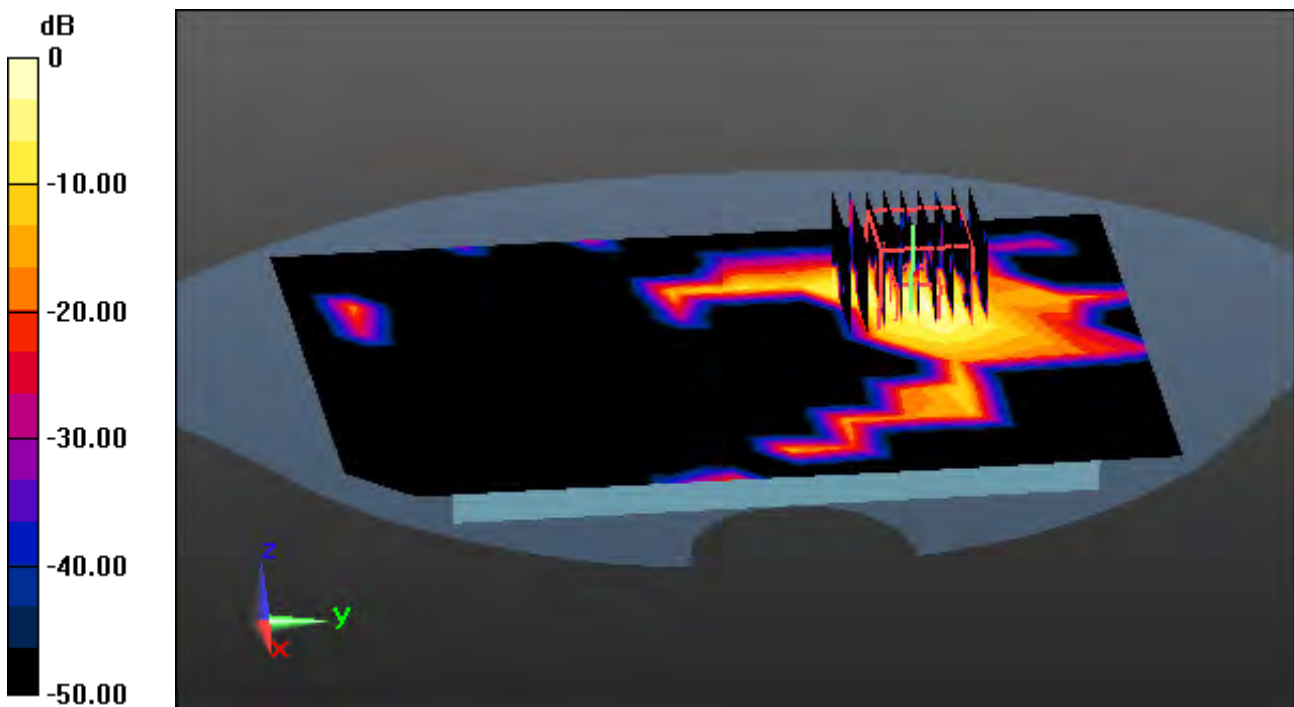
Area Scan (15x21x1): Measurement grid: dx=10mm, dy=10mm

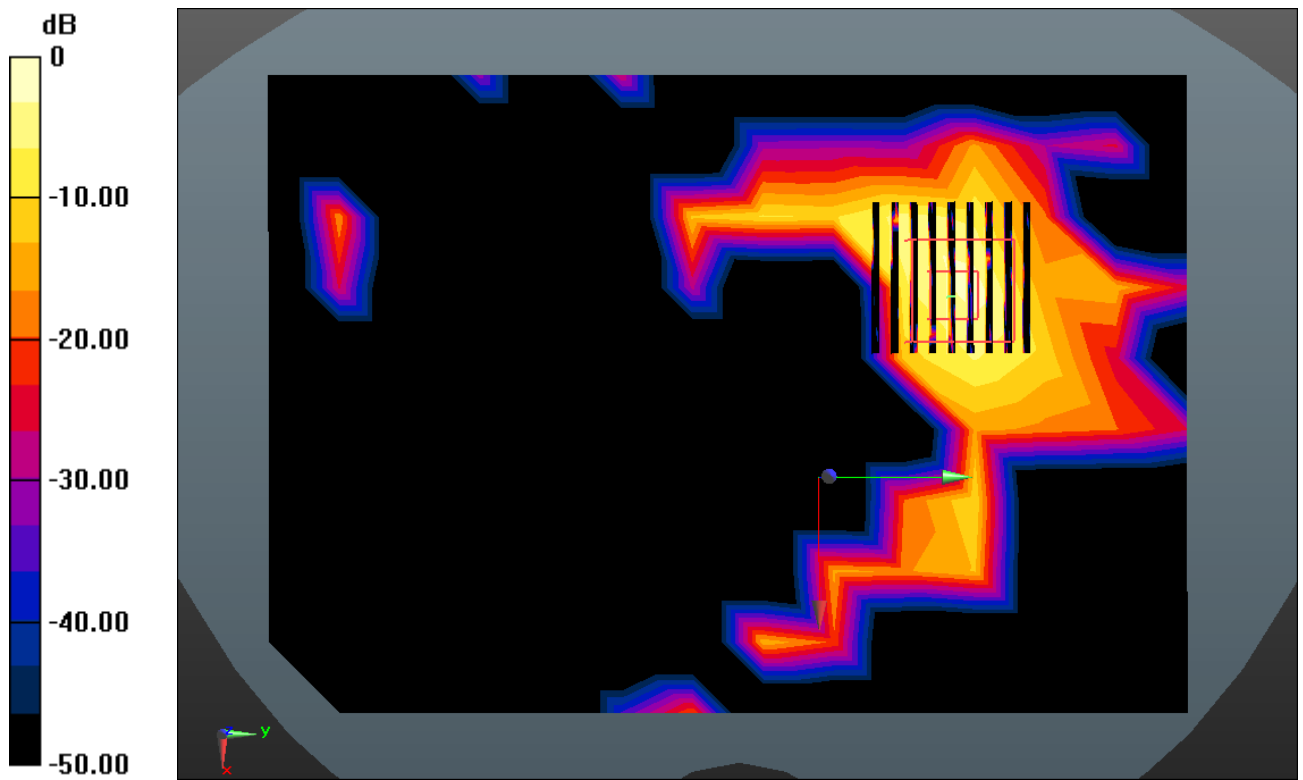
Zoom Scan (9x9x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4

Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.526 W/kg

SAR(1 g) = 0.057 W/kg; SAR(10 g) = 0.016 W/kg





0 dB = 0.186 W/kg

Enlarged Plot for A63

DT&C Co., Ltd.

DUT: LM-Q850FA; Type: Bar

Communication System: UID 0, Bluetooth (0); Frequency: 2441 MHz; Duty Cycle: 1:1.302
Medium parameters used: $f = 2441$ MHz; $\sigma = 1.892$ S/m; $\epsilon_r = 50.911$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(7.4, 7.4, 7.4); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM-twin middle_2013_09_24; Type: QD000P40CD; Serial: 1782
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-08-22; Ambient Temp: 21.2; Tissue Temp: 21.0

1.0 cm space from Body, Top, Bluetooth 1Mbps Ch. 39, Ant Internal

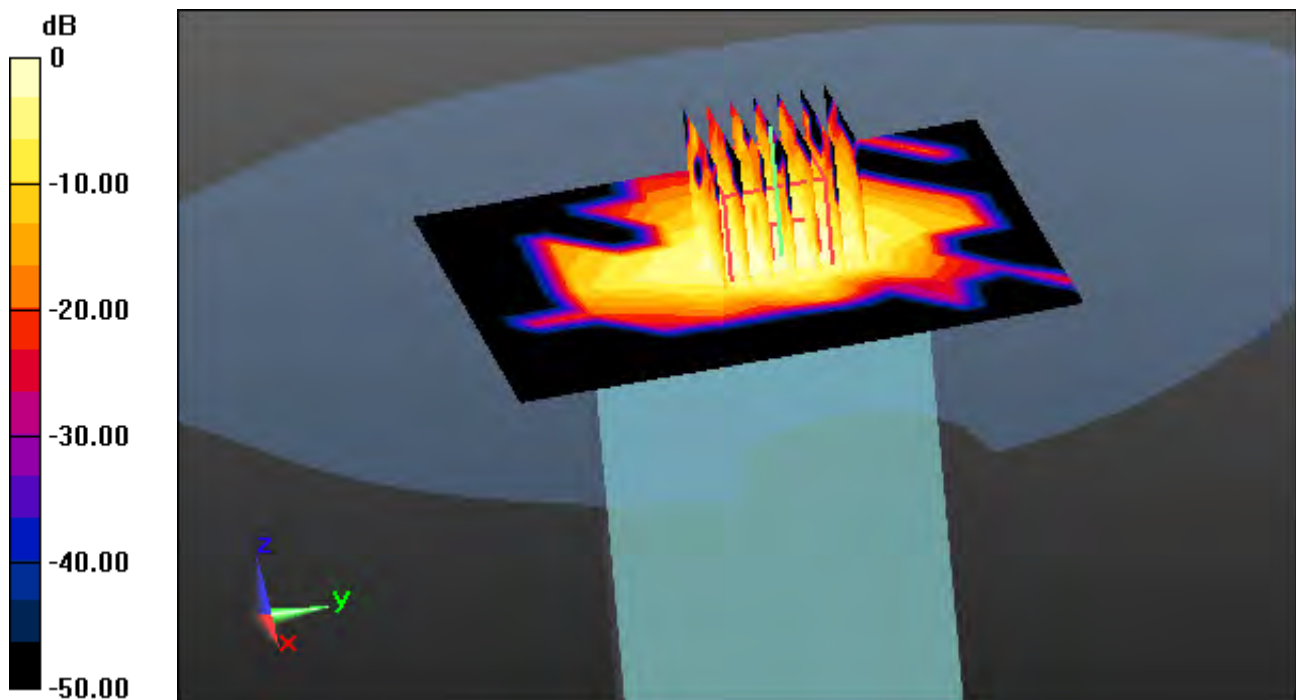
Area Scan (9x11x1): Measurement grid: dx=12mm, dy=12mm

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

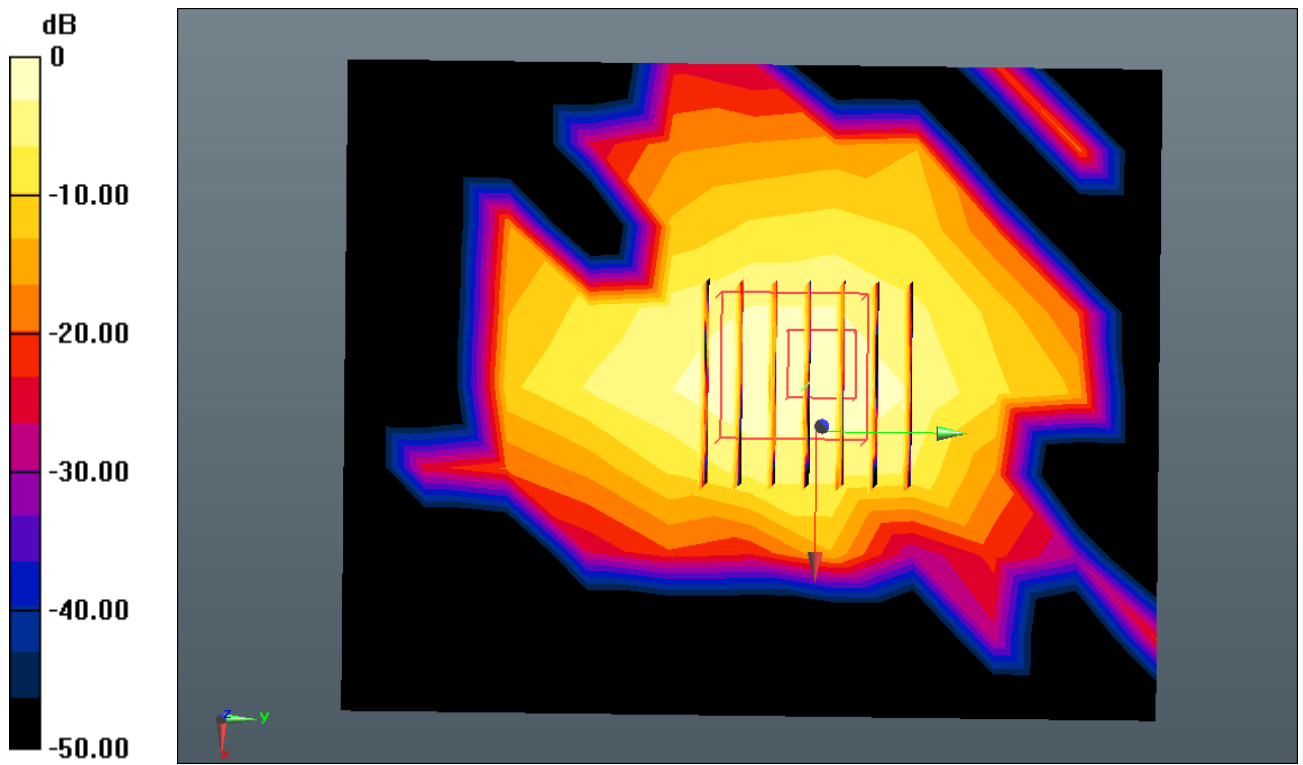
Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.0580 W/kg

SAR(1 g) = 0.028 W/kg; SAR(10 g) = 0.012 W/kg



0 dB = 0.0445 W/kg



0 dB = 0.0445 W/kg

Enlarged Plot for A64

DT&C Co., Ltd.

DUT: LM-Q850FA; Type: Bar

Communication System: UID 0, W-LAN_5 GHz(FCC) (0); Frequency: 5260 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5260$ MHz; $\sigma = 5.554$ S/m; $\epsilon_r = 47.941$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(4.5, 4.5, 4.5); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM-twin middle_2013_09_24; Type: QD000P40CD; Serial: 1782
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-08-20; Ambient Temp: 20.7; Tissue Temp: 21.4

Touch from Body, Rear, W-LAN(802.11a - 5.3G) Ch. 52, Ant Internal, Ant.1

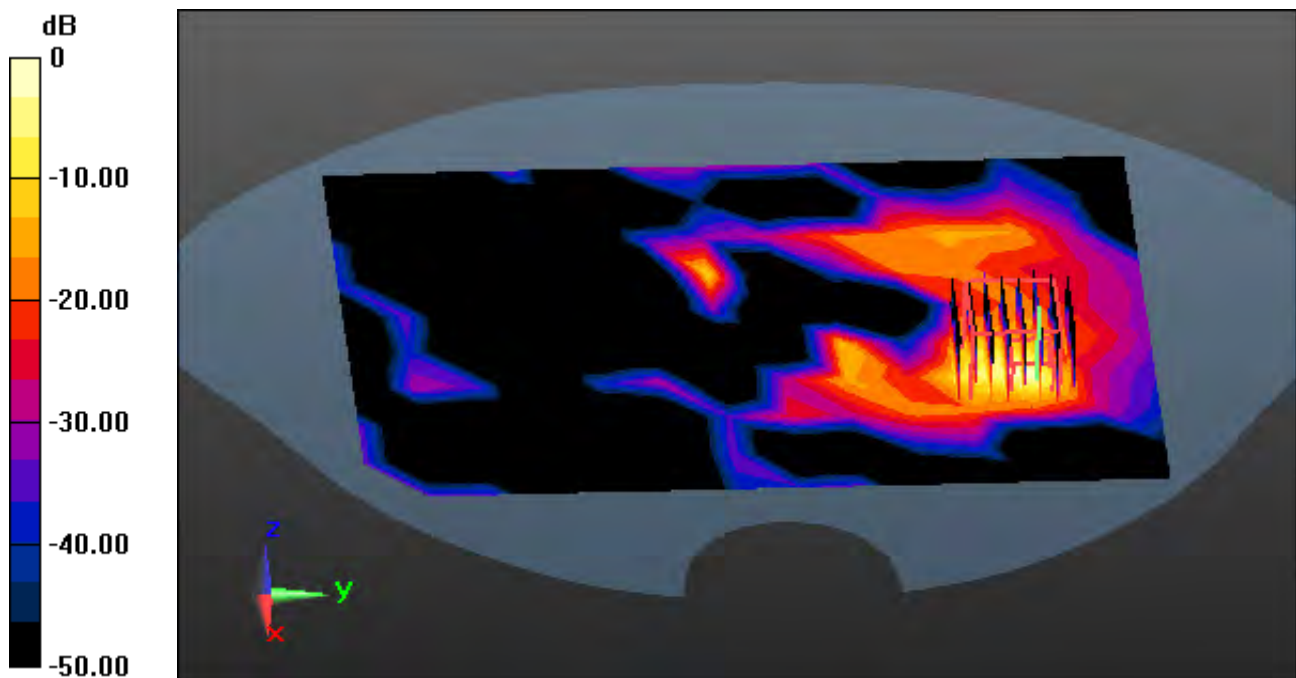
Area Scan (15x21x1): Measurement grid: dx=10mm, dy=10mm

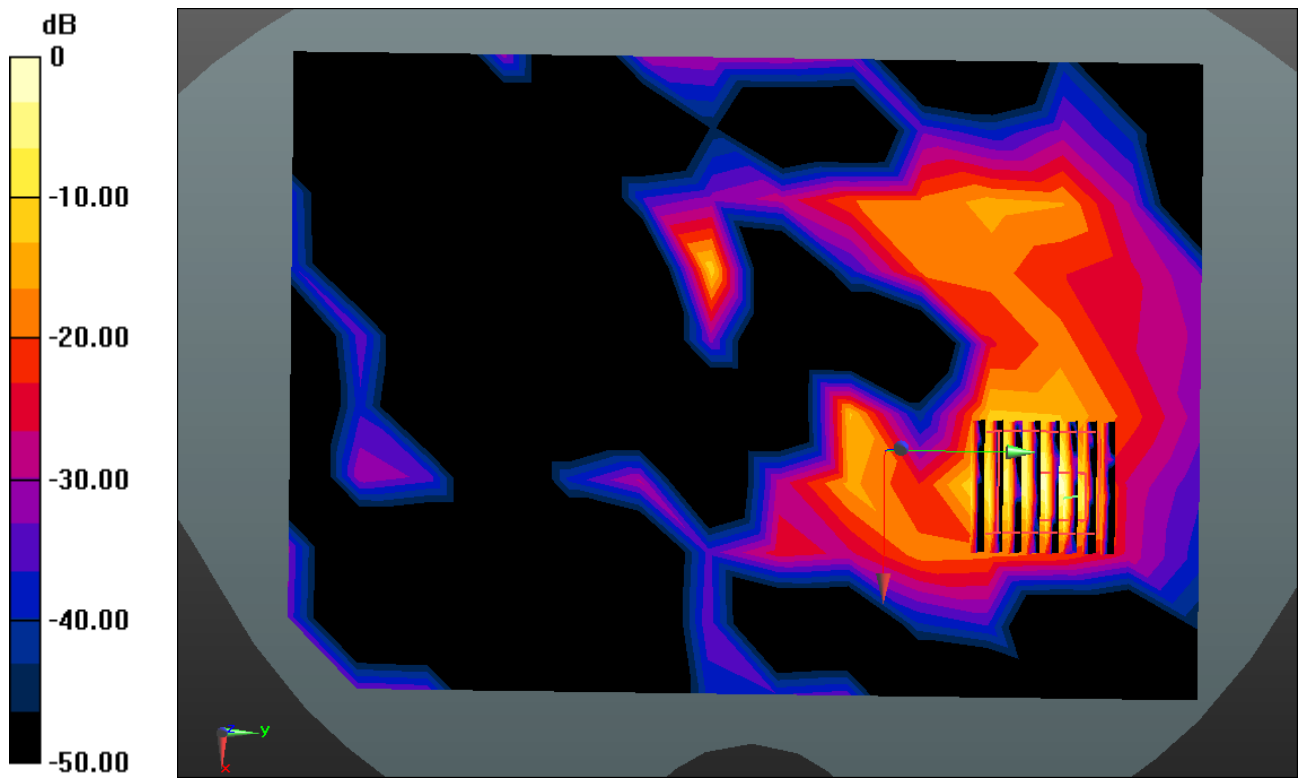
Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4

Power Drift = 0.08 dB

Peak SAR (extrapolated) = 7.45 W/kg

SAR(1 g) = 1.09 W/kg; SAR(10 g) = 0.228 W/kg





0 dB = 3.90 W/kg

Enlarged Plot for A65

DT&C Co., Ltd.

DUT: LM-Q850FA; Type: Bar

Communication System: UID 0, W-LAN_5 GHz(FCC) (0); Frequency: 5260 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5260$ MHz; $\sigma = 5.554$ S/m; $\epsilon_r = 47.941$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(4.5, 4.5, 4.5); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM-twin middle_2013_09_24; Type: QD000P40CD; Serial: 1782
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-08-20; Ambient Temp: 20.7; Tissue Temp: 21.4

Touch from Body, Rear, W-LAN(802.11a - 5.3G) Ch. 52, Ant Internal, Ant.2

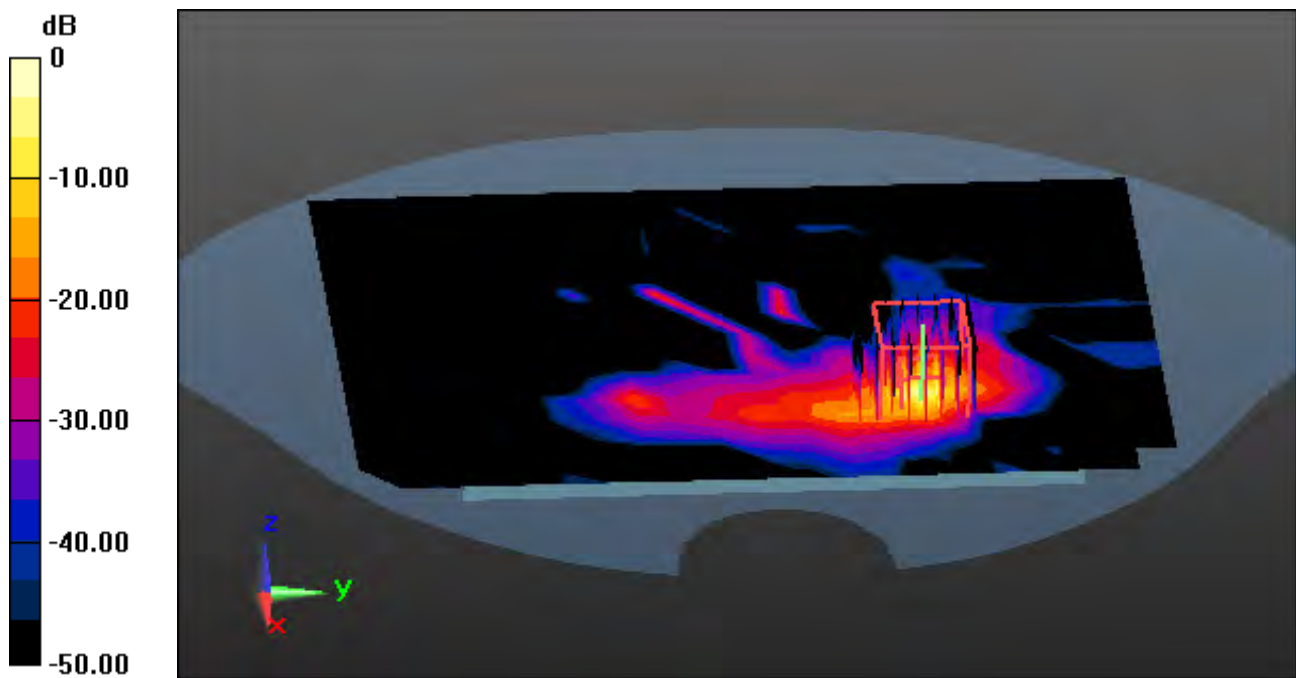
Area Scan (15x21x1): Measurement grid: dx=10mm, dy=10mm

Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4

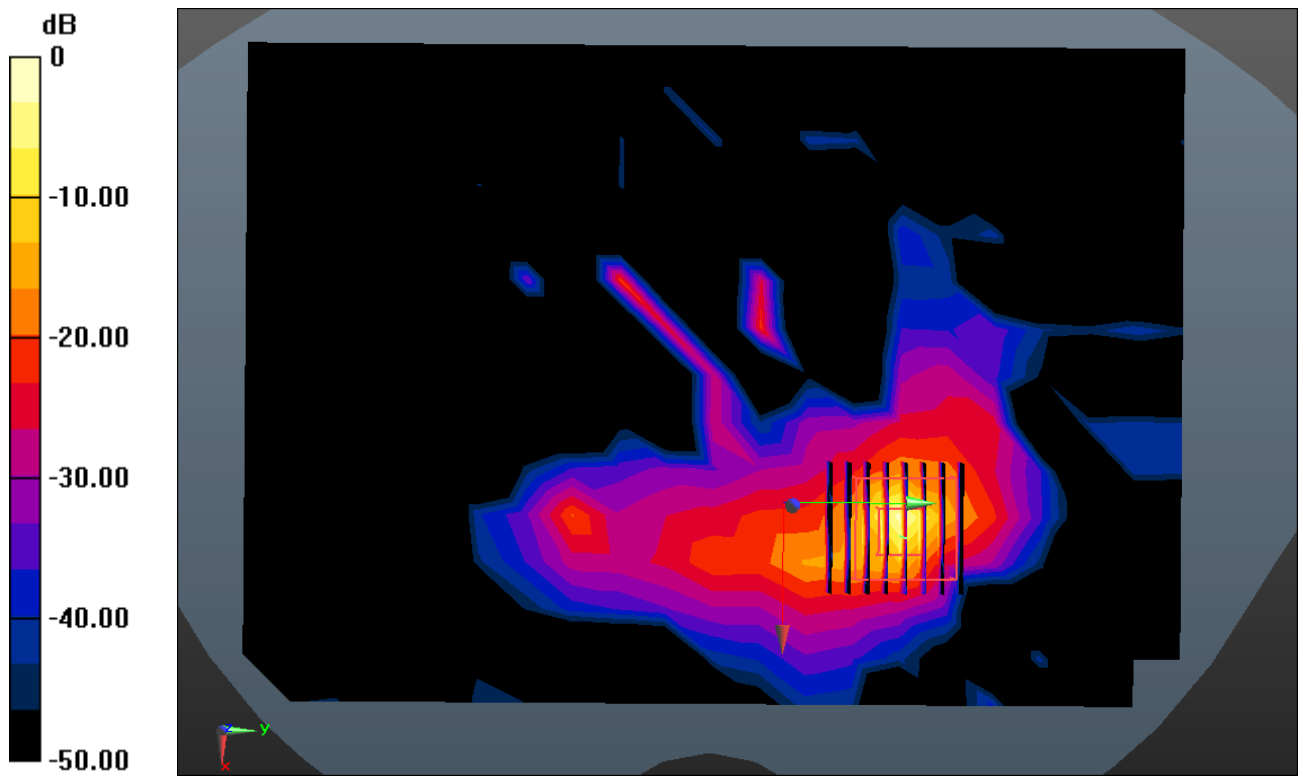
Power Drift = -0.07 dB

Peak SAR (extrapolated) = 56.1 W/kg

SAR(1 g) = 7.06 W/kg; SAR(10 g) = 1.09 W/kg



0 dB = 26.3 W/kg



0 dB = 26.3 W/kg

Enlarged Plot for A66

DT&C Co., Ltd.

DUT: LM-Q850FA; Type: Bar

Communication System: UID 0, W-LAN_5 GHz(FCC) (0); Frequency: 5260 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5260$ MHz; $\sigma = 5.554$ S/m; $\epsilon_r = 47.941$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(4.5, 4.5, 4.5); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM-twin middle_2013_09_24; Type: QD000P40CD; Serial: 1782
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-08-20; Ambient Temp: 20.7; Tissue Temp: 21.4

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

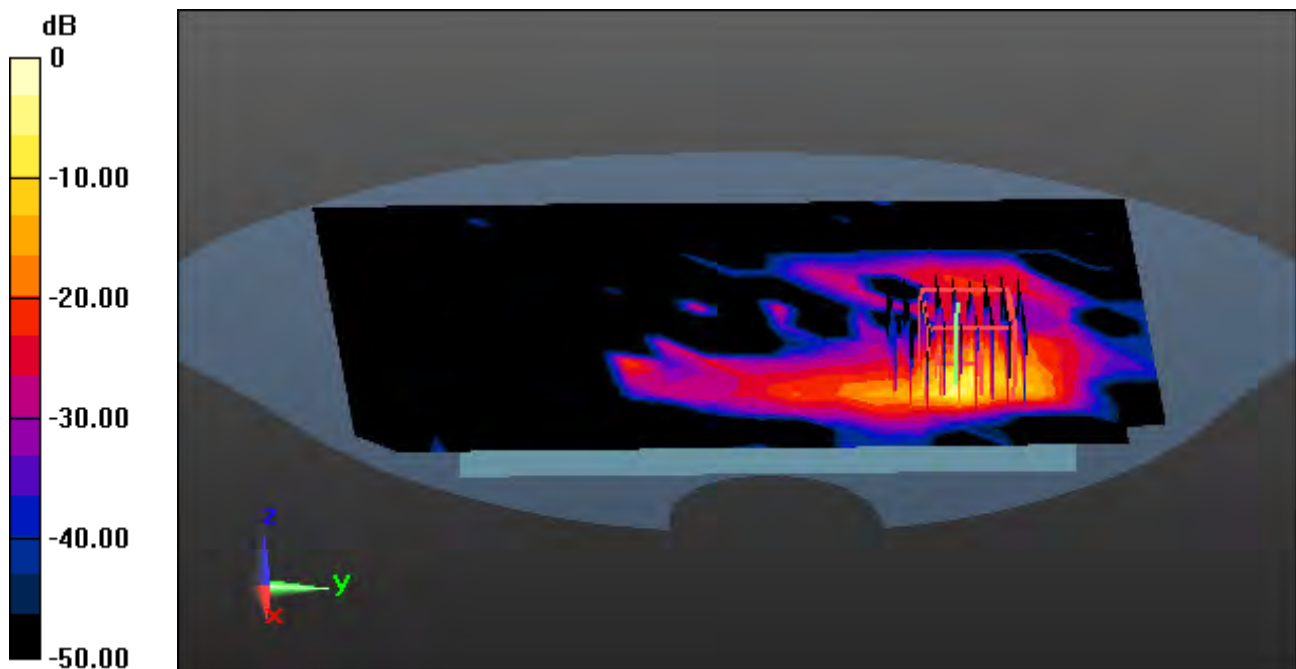
Area Scan (15x21x1): Measurement grid: dx=10mm, dy=10mm

Zoom Scan (9x9x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4

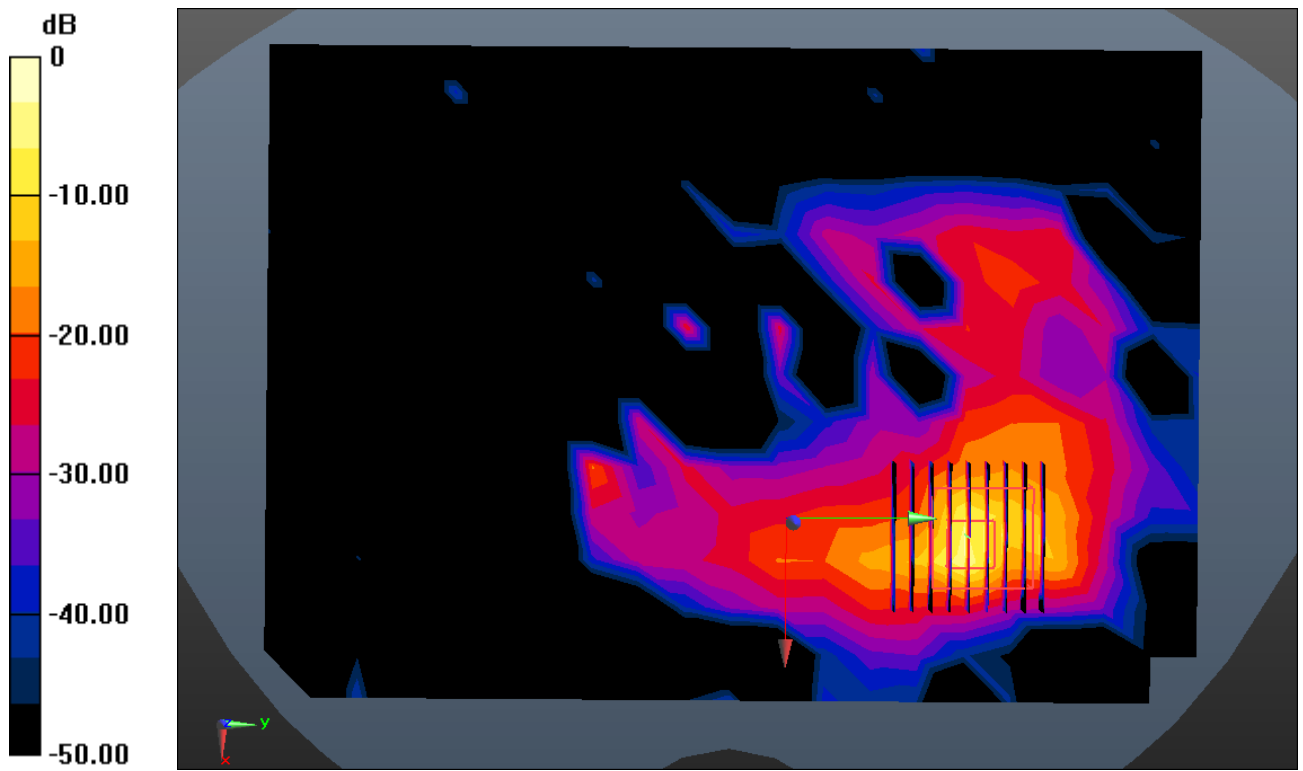
Power Drift = -0.05 dB

Peak SAR (extrapolated) = 56.6 W/kg

SAR(1 g) = 6.92 W/kg; SAR(10 g) = 1.12 W/kg



0 dB = 22.1 W/kg



0 dB = 22.1 W/kg

Enlarged Plot for A67

DT&C Co., Ltd.

DUT: LM-Q850FA; Type: Bar

Communication System: UID 0, W-LAN_5 GHz(FCC) (0); Frequency: 5500 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5500$ MHz; $\sigma = 5.801$ S/m; $\epsilon_r = 47.24$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(3.95, 3.95, 3.95); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM-twin middle_2013_09_24; Type: QD000P40CD; Serial: 1782
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-08-17; Ambient Temp: 21.7; Tissue Temp: 21.3

Touch from Body, Rear, W-LAN(802.11a - 5.6G) Ch. 100, Ant Internal, Ant.1

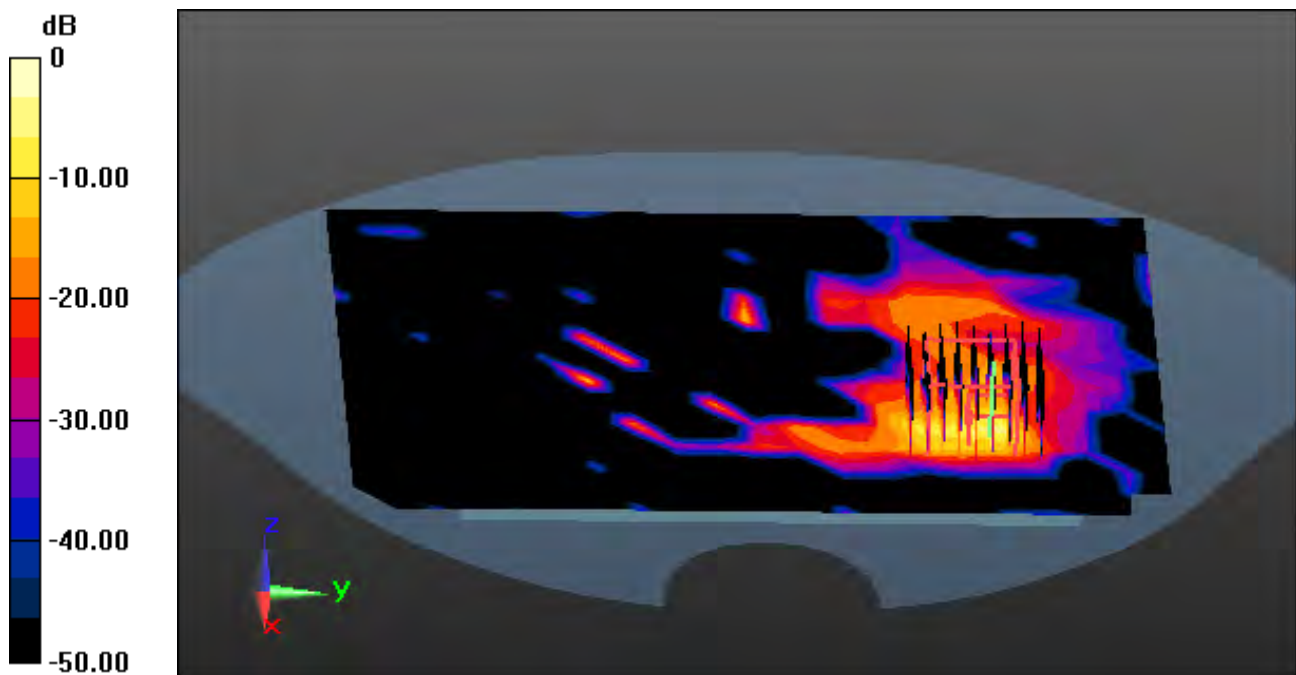
Area Scan (15x21x1): Measurement grid: dx=10mm, dy=10mm

Maximum **Zoom Scan (9x9x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4

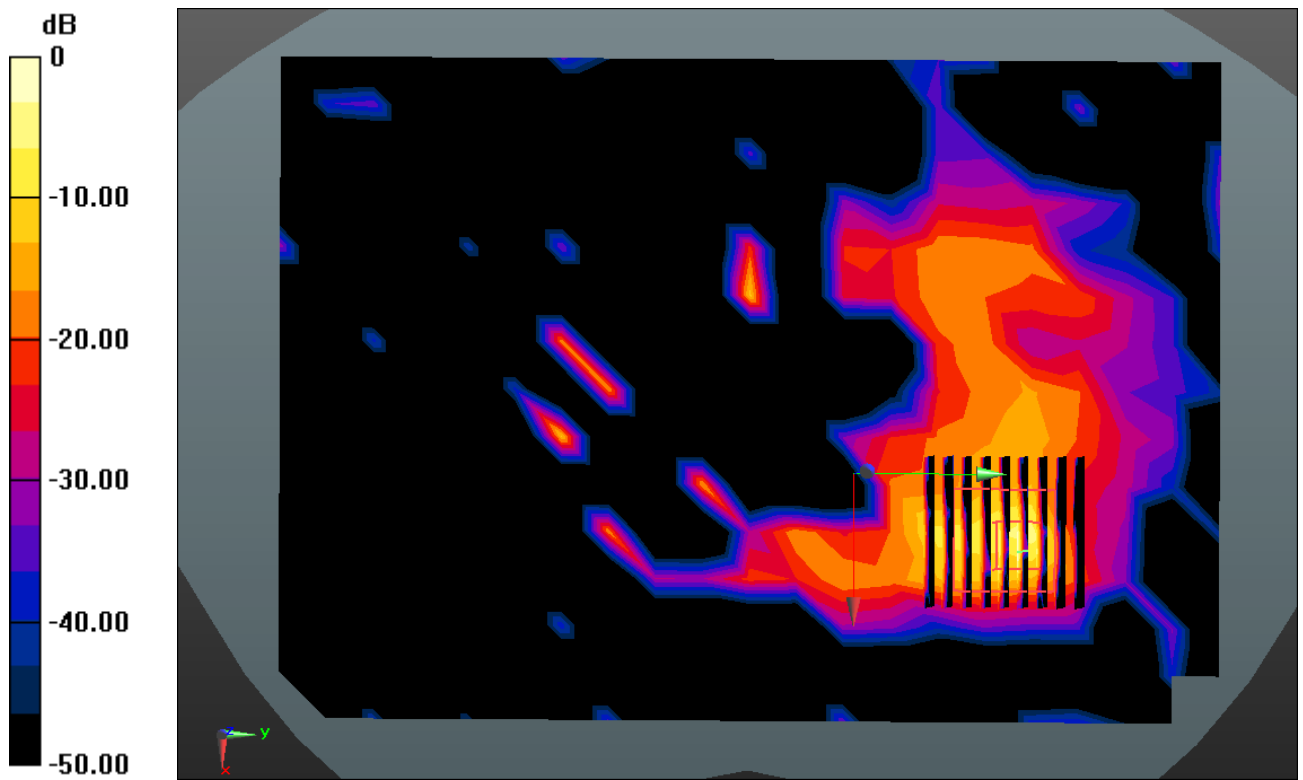
Power Drift = 0.04 dB

Peak SAR (extrapolated) = 13.0 W/kg

SAR(1 g) = 1.47 W/kg; SAR(10 g) = 0.238 W/kg



0 dB = 5.93 W/kg



0 dB = 5.93 W/kg

Enlarged Plot for A68

DT&C Co., Ltd.

DUT: LM-Q850FA; Type: Bar

Communication System: UID 0, W-LAN_5 GHz(FCC) (0); Frequency: 5600 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5600$ MHz; $\sigma = 5.945$ S/m; $\epsilon_r = 47.053$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(3.87, 3.87, 3.87); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM-twin middle_2013_09_24; Type: QD000P40CD; Serial: 1782
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-08-17; Ambient Temp: 21.7; Tissue Temp: 21.3

Touch from Body, Rear, W-LAN(802.11a - 5.6G) Ch. 120, Ant Internal, Ant.2

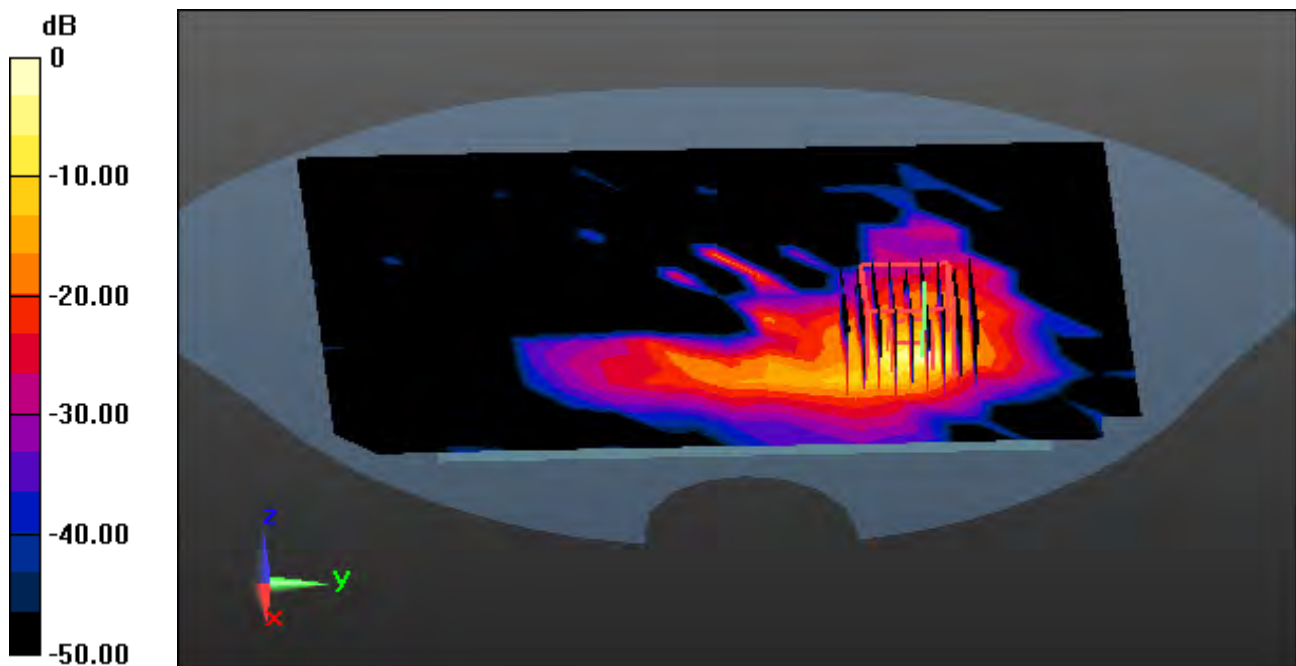
Area Scan (15x21x1): Measurement grid: dx=10mm, dy=10mm

Zoom Scan (9x9x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4

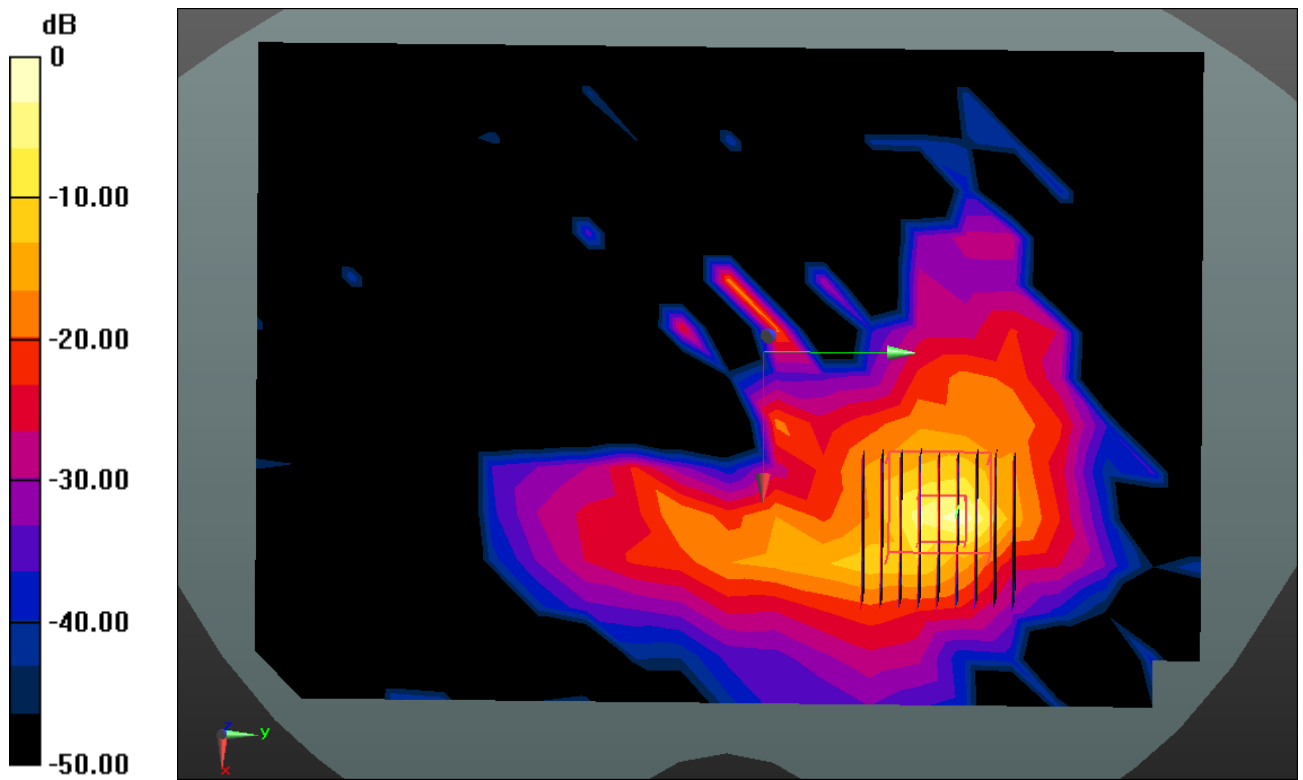
Power Drift = -0.01 dB

Peak SAR (extrapolated) = 50.2 W/kg

SAR(1 g) = 6.28 W/kg; SAR(10 g) = 1.14 W/kg

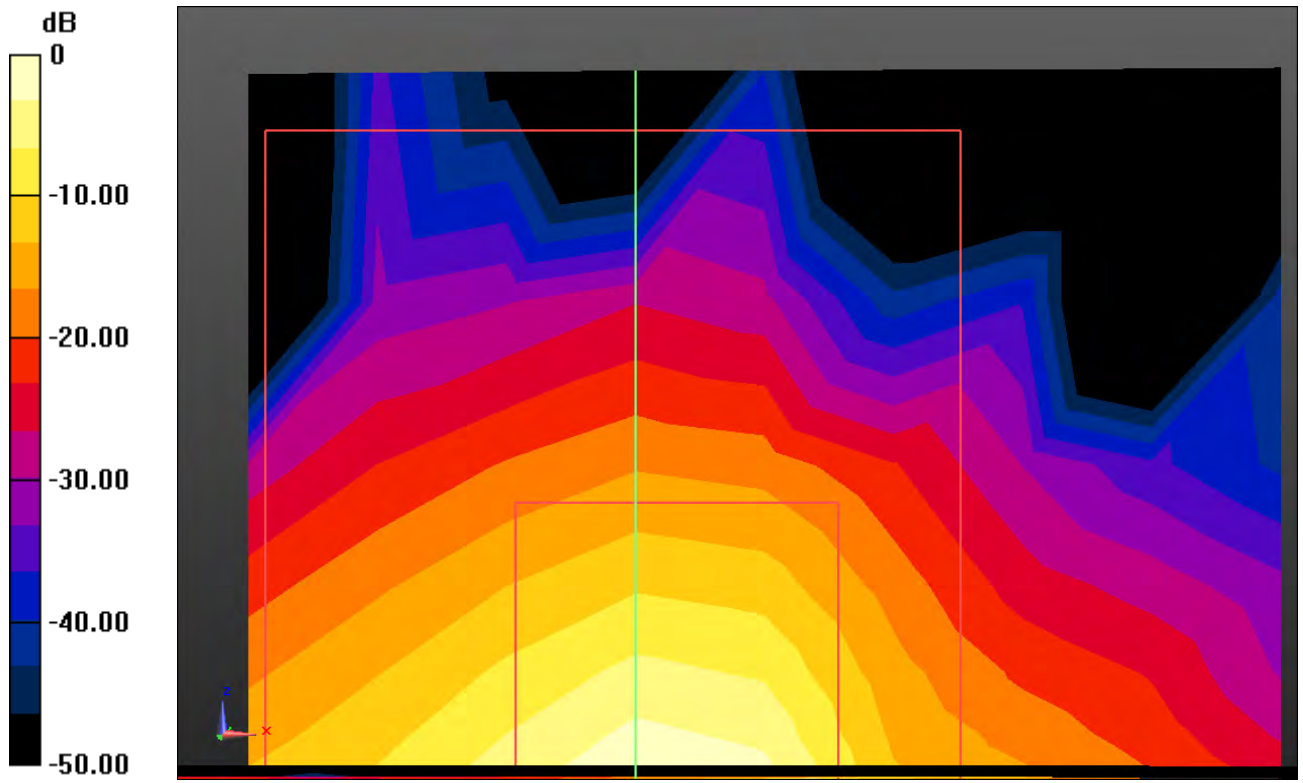


0 dB = 21.2 W/kg



0 dB = 21.2 W/kg

Enlarged Plot for A69



0 dB = 21.2 W/kg

Enlarged Plot for A69

DT&C Co., Ltd.

DUT: LM-Q850FA; Type: Bar

Communication System: UID 0, W-LAN_5 GHz(FCC) (0); Frequency: 5600 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5600$ MHz; $\sigma = 5.945$ S/m; $\epsilon_r = 47.053$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(3.87, 3.87, 3.87); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM-twin middle_2013_09_24; Type: QD000P40CD; Serial: 1782
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-08-17; Ambient Temp: 21.7; Tissue Temp: 21.3

Touch from Body, Rear, W-LAN(802.11a - 5.6G) Ch. 120, Ant Internal, MIMO

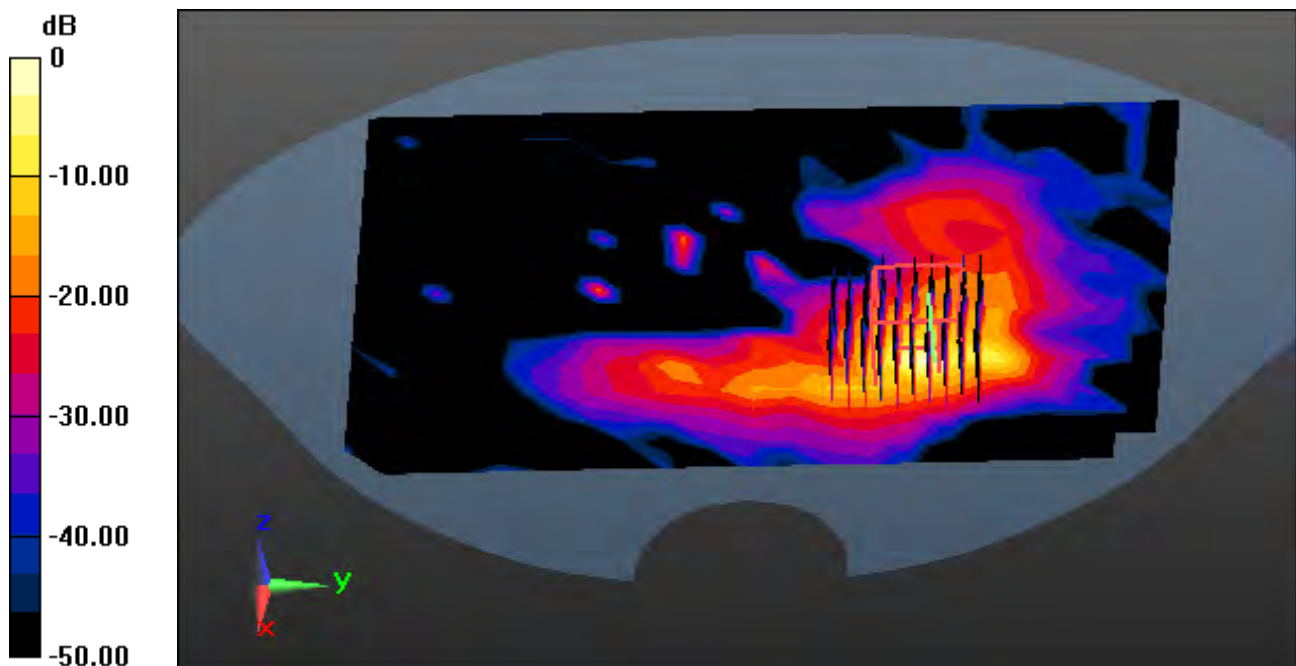
Area Scan (15x21x1): Measurement grid: dx=10mm, dy=10mm

Zoom Scan (10x10x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4

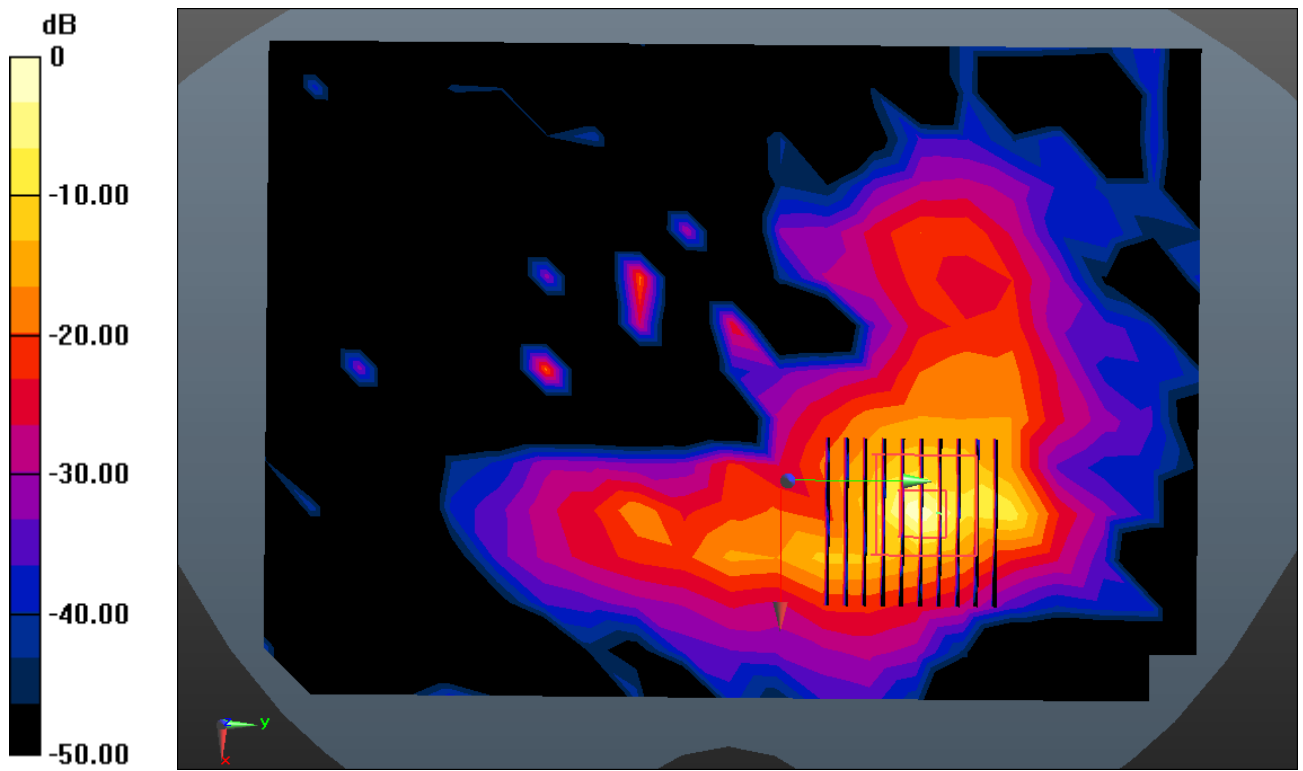
Power Drift = -0.16 dB

Peak SAR (extrapolated) = 49.3 W/kg

SAR(1 g) = 6.29 W/kg; SAR(10 g) = 1.14 W/kg



0 dB = 22.7 W/kg



0 dB = 22.7 W/kg

Enlarged Plot for A70

DT&C Co., Ltd.

DUT: LM-Q850FA; Type: Bar

Communication System: UID 0, W-LAN_5 GHz(FCC) (0); Frequency: 5825 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5825$ MHz; $\sigma = 6.248$ S/m; $\epsilon_r = 46.53$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(4.16, 4.16, 4.16); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM-twin middle_2013_09_24; Type: QD000P40CD; Serial: 1782
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-08-16; Ambient Temp: 21.4; Tissue Temp: 21.6

Touch from Body, Rear, W-LAN(802.11a - 5.8G) Ch. 165, Ant Internal, Ant.1

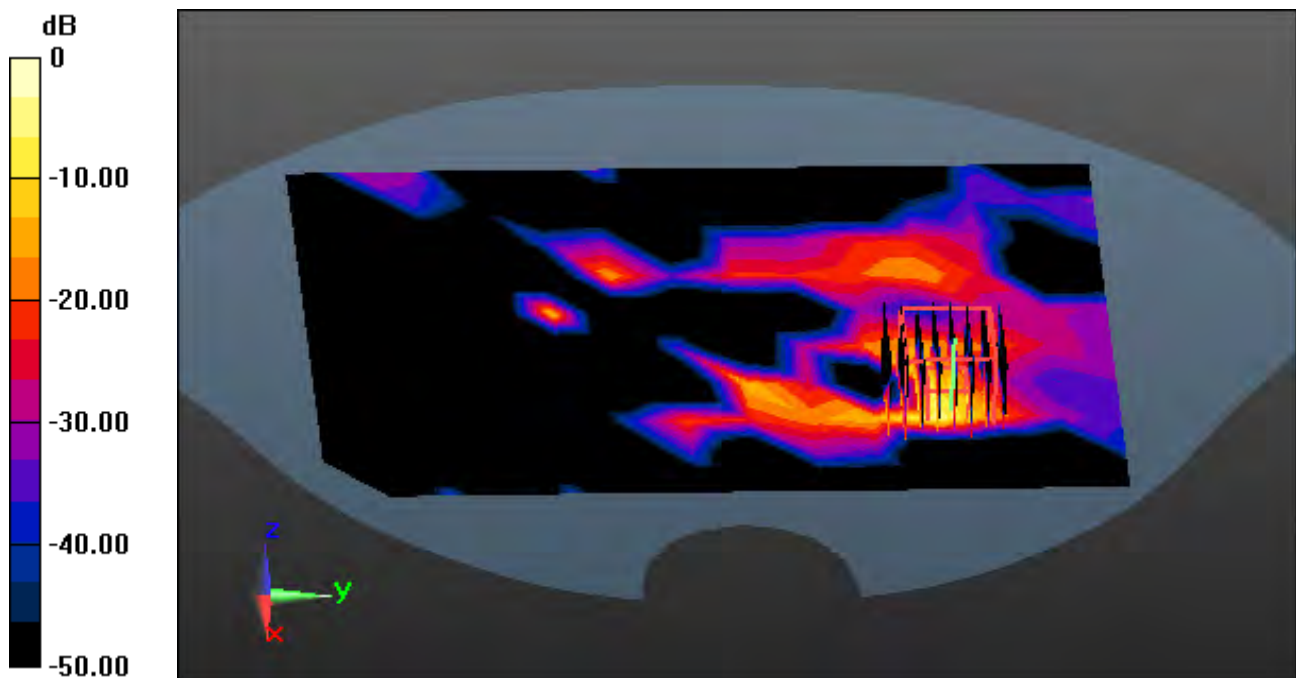
Area Scan (15x21x1): Measurement grid: dx=10mm, dy=10mm

Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4

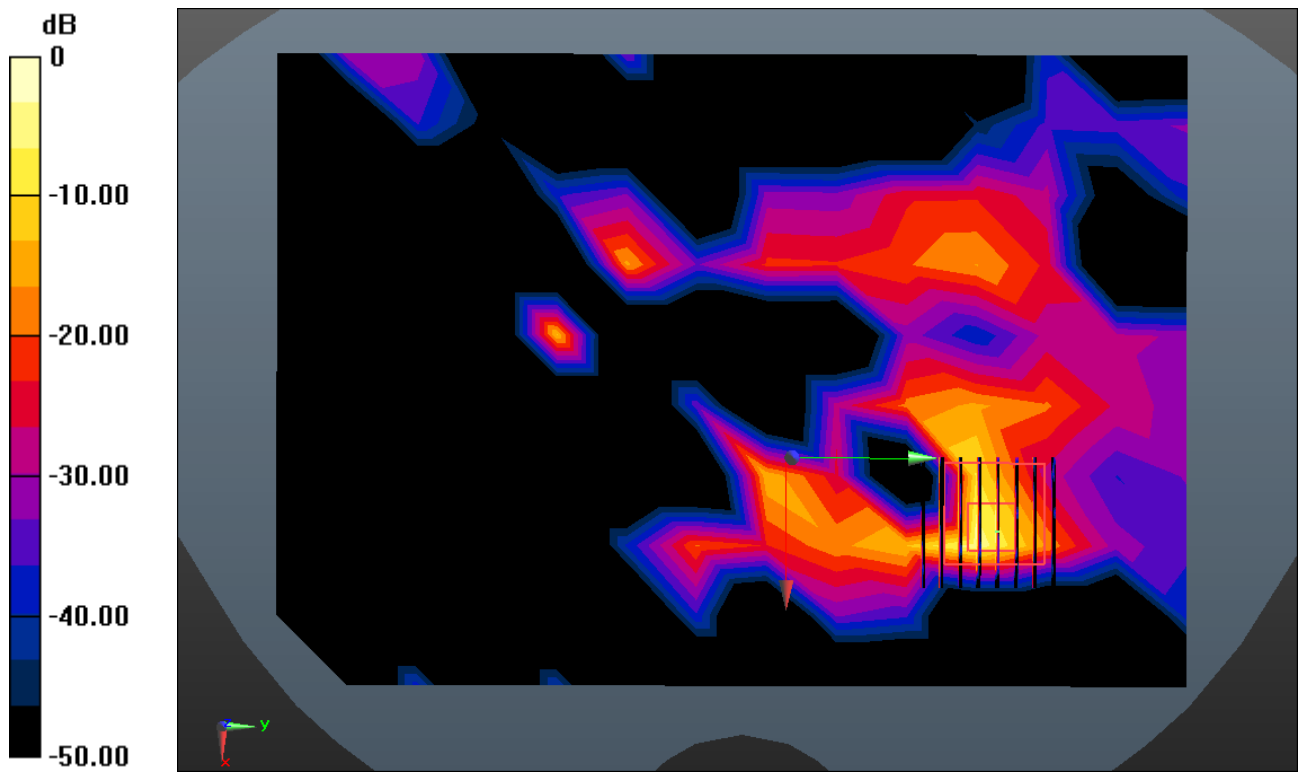
Power Drift = -0.05 dB

Peak SAR (extrapolated) = 15.2 W/kg

SAR(1 g) = 1.72 W/kg; SAR(10 g) = 0.268 W/kg



0 dB = 6.52 W/kg



0 dB = 6.52 W/kg

Enlarged Plot for A71

DT&C Co., Ltd.

DUT: LM-Q850FA; Type: Bar

Communication System: UID 0, W-LAN_5 GHz(FCC) (0); Frequency: 5785 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5785$ MHz; $\sigma = 6.184$ S/m; $\epsilon_r = 46.607$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(4.16, 4.16, 4.16); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM-twin middle_2013_09_24; Type: QD000P40CD; Serial: 1782
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-08-16; Ambient Temp: 21.4; Tissue Temp: 21.6

Touch from Body, Rear, W-LAN(802.11a - 5.8G) Ch. 157, Ant Internal, Ant.2

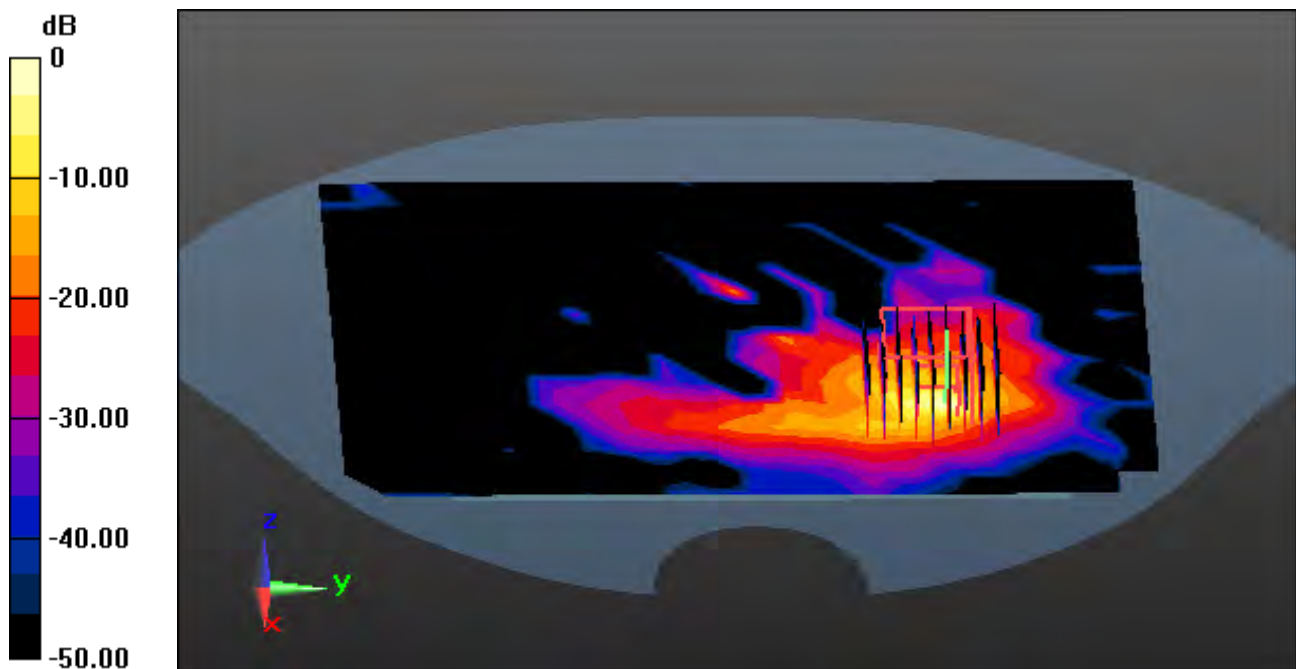
Area Scan (15x21x1): Measurement grid: dx=10mm, dy=10mm

Zoom Scan (9x9x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio: 1.4

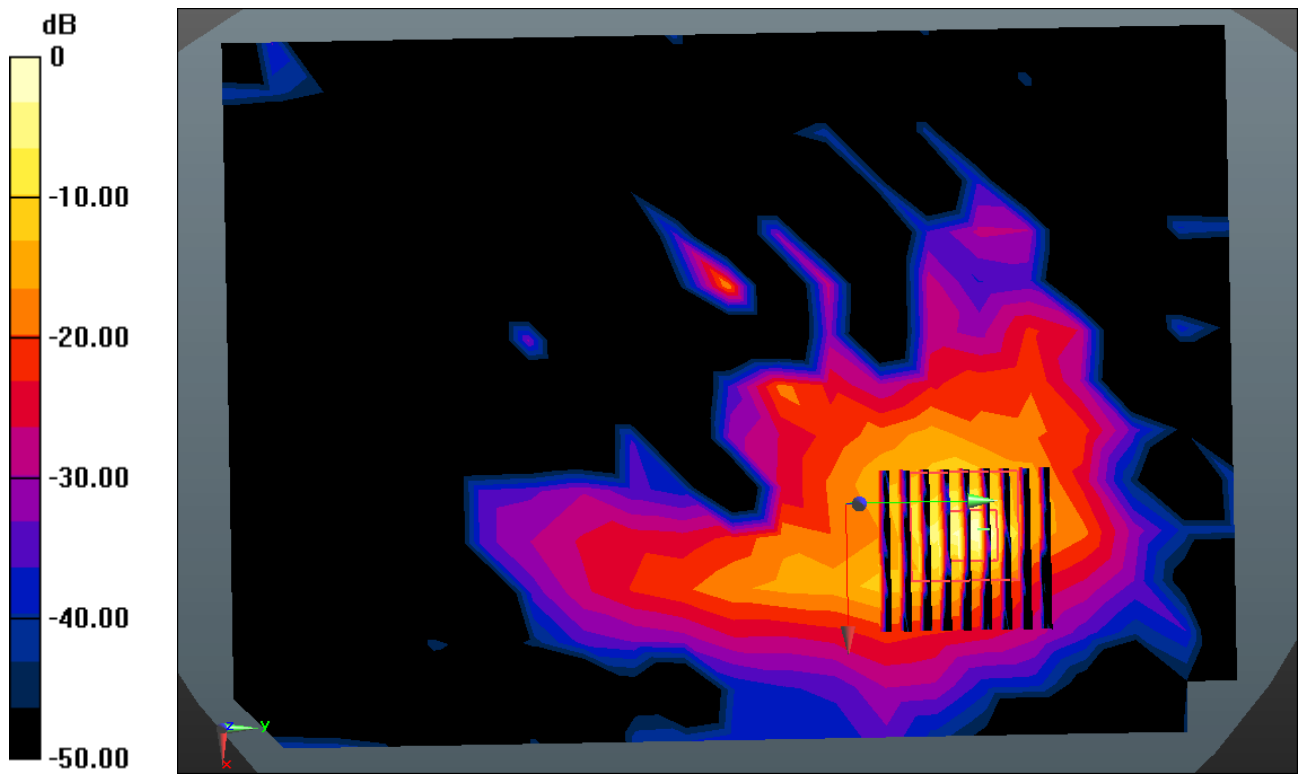
Power Drift = 0.16 dB

Peak SAR (extrapolated) = 41.2 W/kg

SAR(1 g) = 5.05 W/kg; SAR(10 g) = 0.937 W/kg

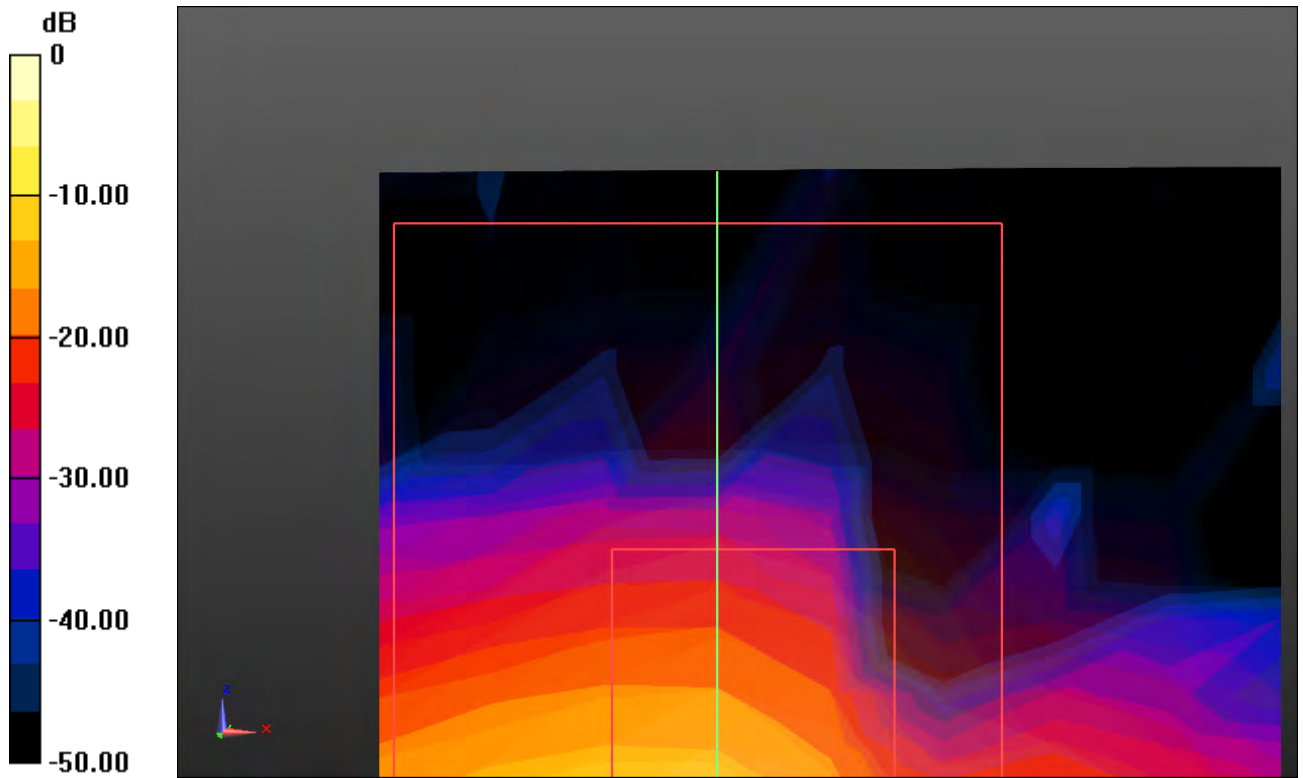


0 dB = 18.3 W/kg



0 dB = 18.3 W/kg

Enlarged Plot for A72



0 dB = 18.3 W/kg

Enlarged Plot for A72

DT&C Co., Ltd.

DUT: LM-Q850FA; Type: Bar

Communication System: UID 0, W-LAN_5 GHz(FCC) (0); Frequency: 5785 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5785$ MHz; $\sigma = 6.184$ S/m; $\epsilon_r = 46.607$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(4.16, 4.16, 4.16); Calibrated: 5/31/2018; Electronics: DAE4 Sn1394
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM-twin middle_2013_09_24; Type: QD000P40CD; Serial: 1782
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-08-16; Ambient Temp: 21.4; Tissue Temp: 21.6

Touch from Body, Rear, W-LAN(802.11a - 5.8G) Ch. 157, Ant Internal, MIMO

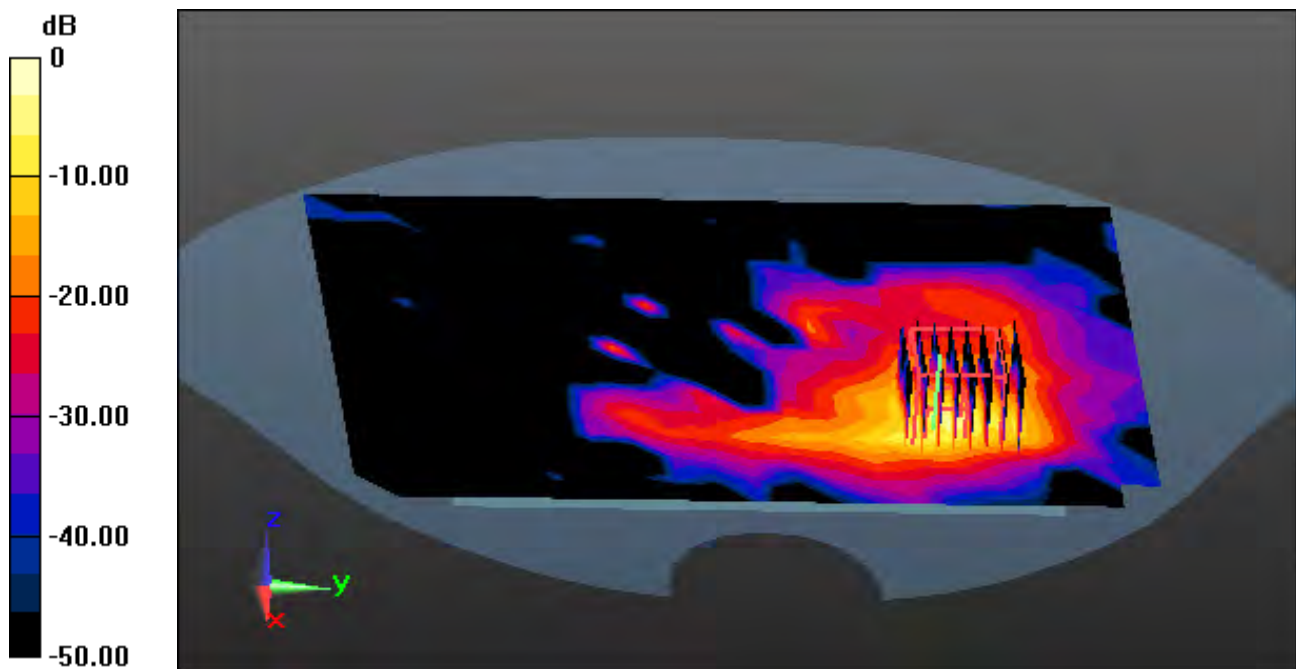
Area Scan (15x21x1): Measurement grid: dx=10mm, dy=10mm

Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
1g/10g Averaged SAR

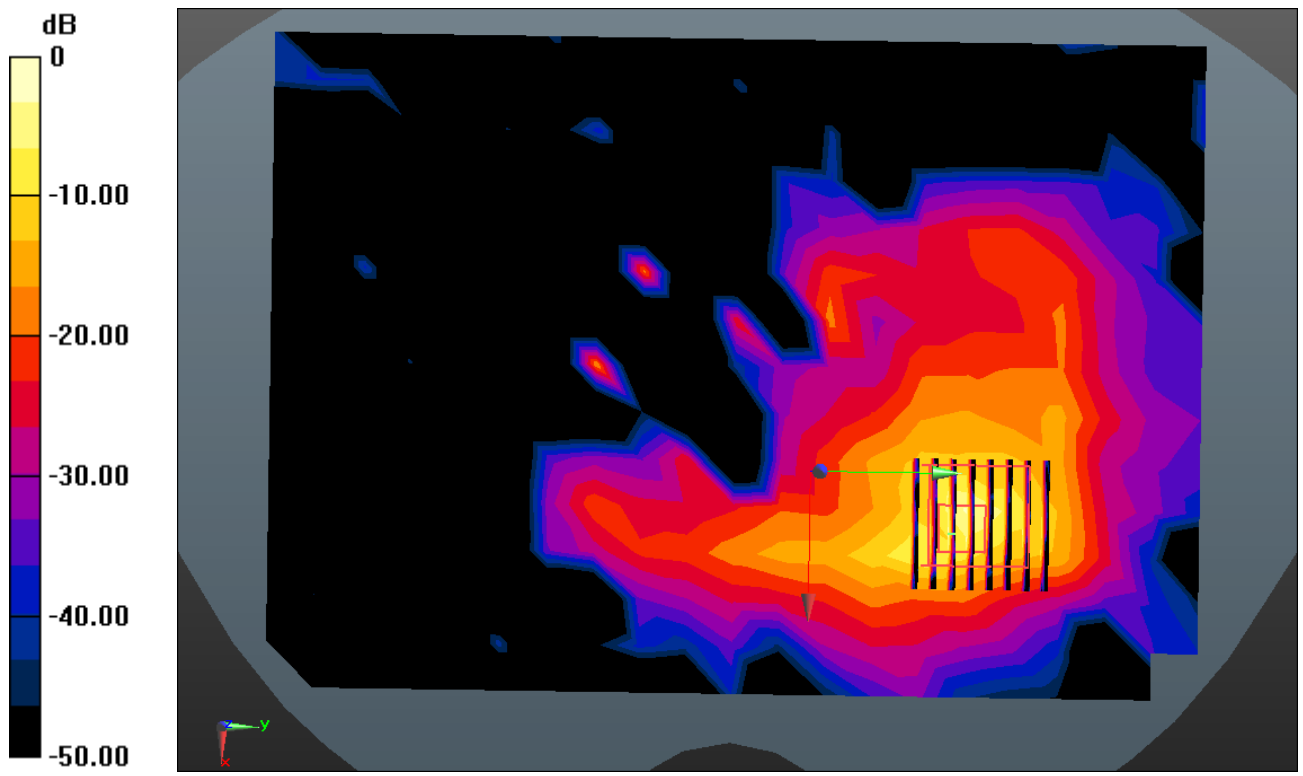
Power Drift = -0.08 dB

Peak SAR (extrapolated) = 37.1 W/kg

SAR(1 g) = 4.74 W/kg; SAR(10 g) = 0.915 W/kg



0 dB = 17.0 W/kg



0 dB = 17.0 W/kg

Enlarged Plot for A73

DT&C Co., Ltd.

DUT: LM-Q850FA; Type: Bar

Communication System: UID 0, LTE Band 7(FCC) (0); Frequency: 2560 MHz;Duty Cycle: 1:1
Medium parameters used: $f = 2560$ MHz; $\sigma = 2.055$ S/m; $\epsilon_r = 50.51$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: ES3DV3 - SN3328; ConvF(4.32, 4.32, 4.32); Calibrated: 3/21/2018; Electronics: DAE3 Sn520
Sensor-Surface: 3mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2018-08-20; Ambient Temp: 20.2; Tissue Temp: 20.9

Touch from Body, Rear, LTE Band 7 Ch. 21350, Ant Internal

Mode : BandWidth 20 MHz, QPSK, RB Size: 50

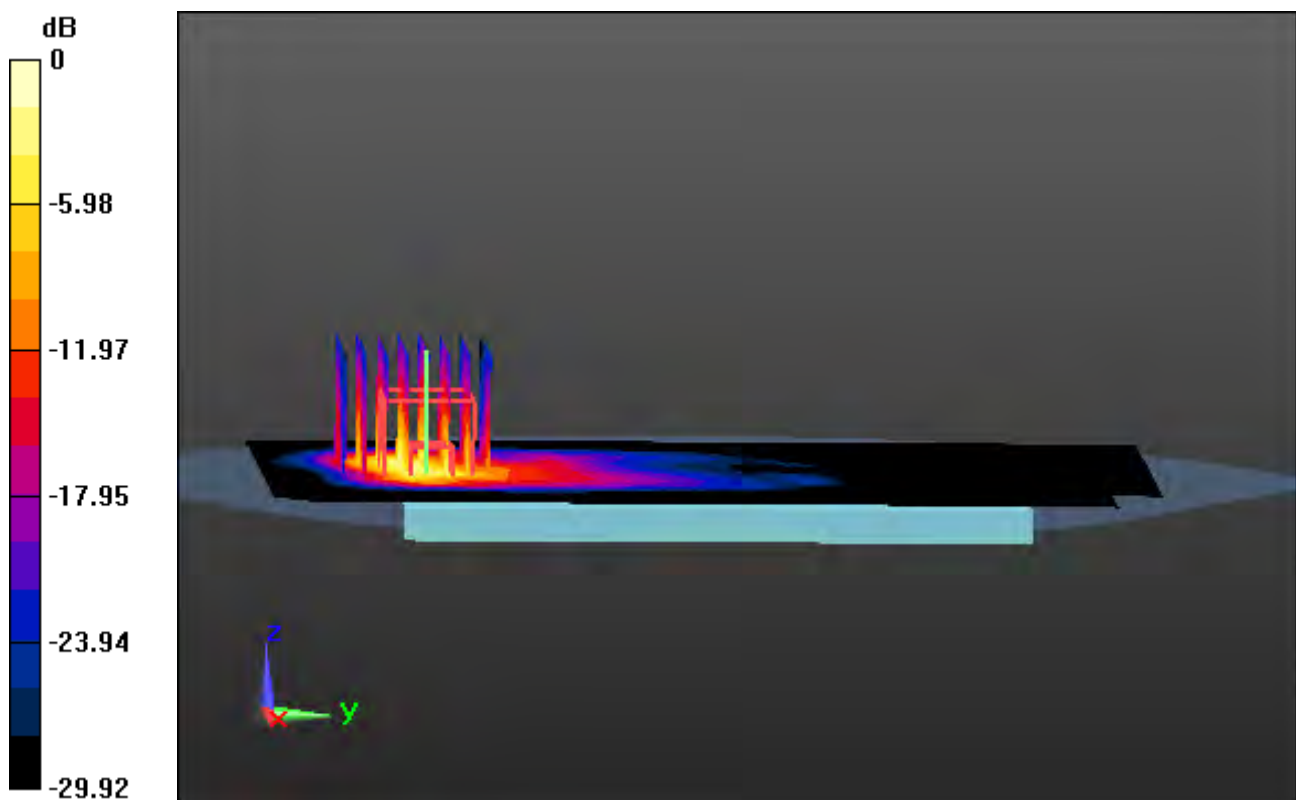
Area Scan (12x19x1): Measurement grid: dx=12mm, dy=12mm

Zoom Scan (10x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

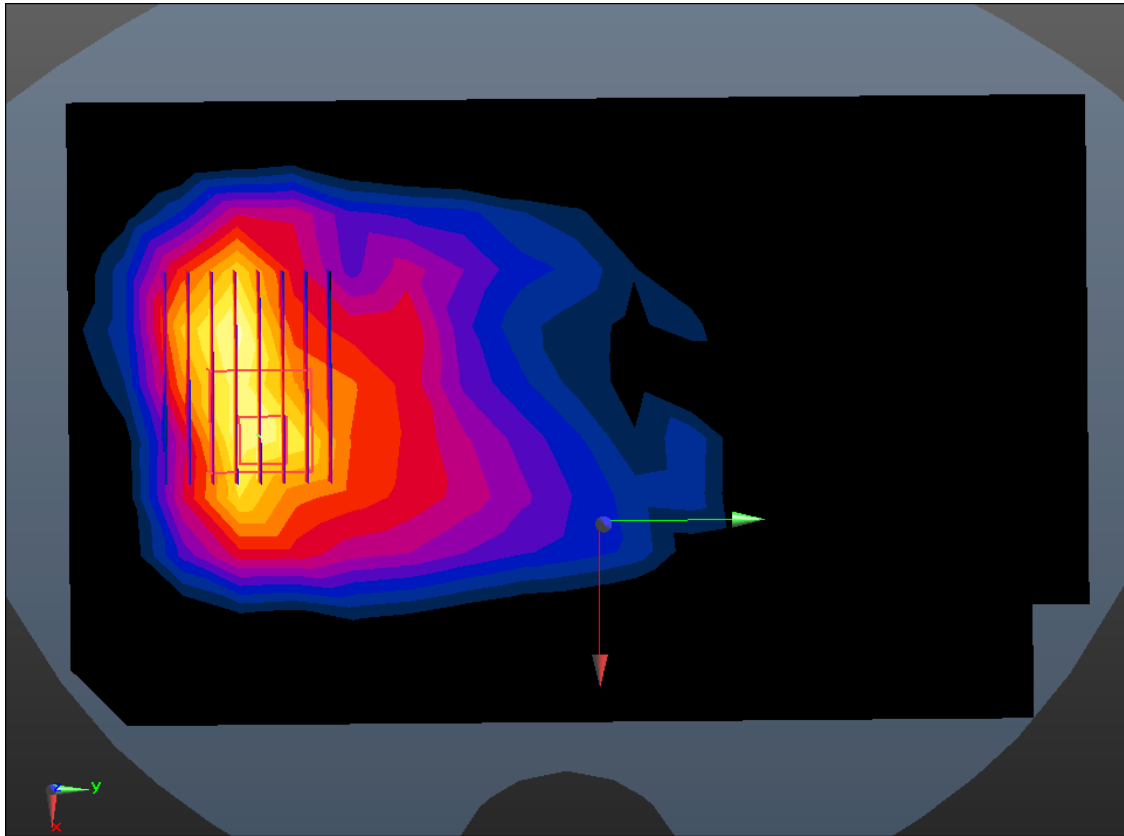
Power Drift = -0.14 dB

Peak SAR (extrapolated) = 21.1 W/kg

SAR(1 g) = 5.64 W/kg; SAR(10 g) = 1.85 W/kg



0 dB = 9.90 W/kg



Enlarged Plot for A74