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; σ = 0.915 S/m; ε_r = 42.692; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(10.68, 10.68, 10.68); Calibrated: 9/27/2019 Electronics: DAE3 Sn520
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2013_10_08_right; Type: QD000P40CD; Serial: TP:1785
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-03; Ambient Temp: 22.2; Tissue Temp: 22.4
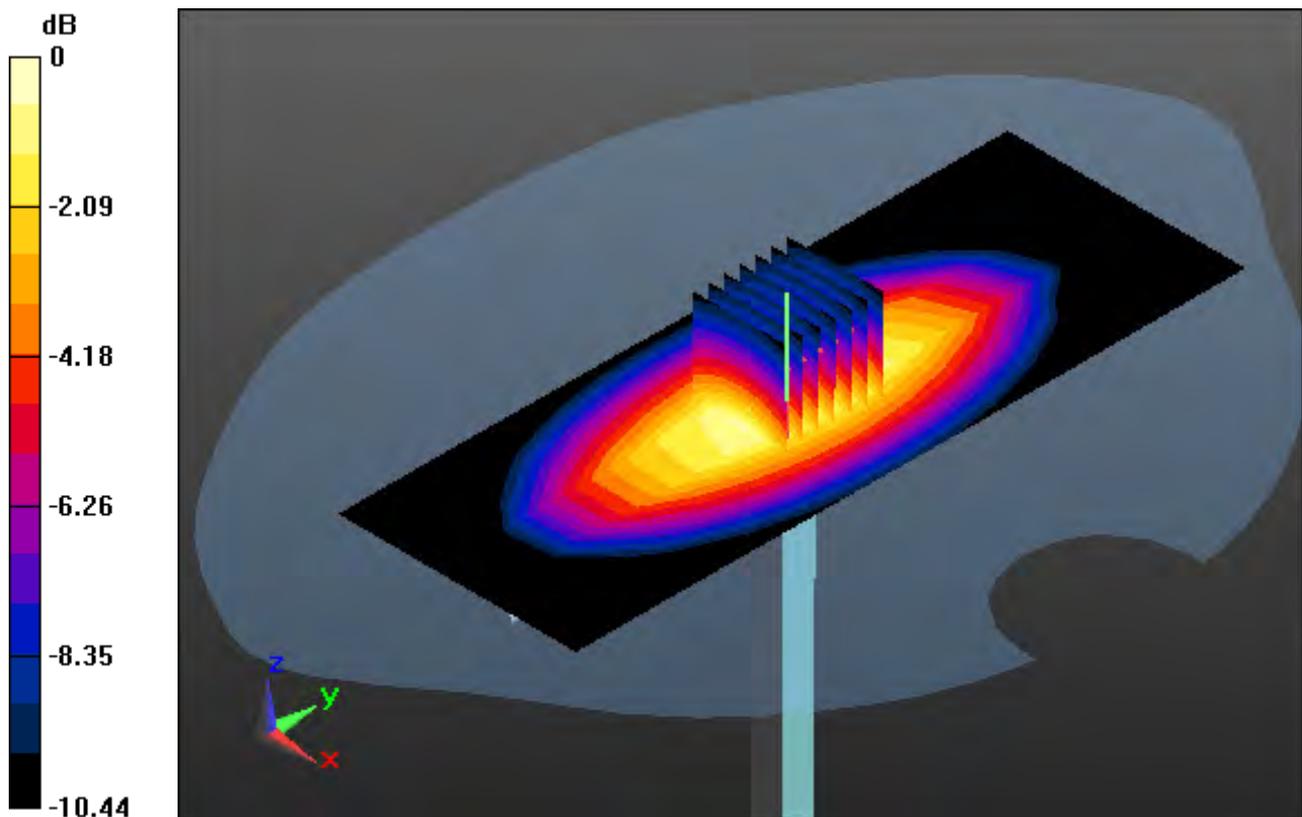
750 MHz System Head Verification (250 mW)

Area Scan (6x15x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = 0.07 dB
Peak SAR (extrapolated) = 3.04 W/kg
SAR(1 g) = 2.02 W/kg; SAR(10 g) = 1.33 W/kg

0 dB = 2.59 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; σ = 0.973 S/m; ε_r = 56.023; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(10.44, 10.44, 10.44); Calibrated: 9/27/2019 Electronics: DAE3 Sn520
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-03; Ambient Temp: 22.2; Tissue Temp: 22.3
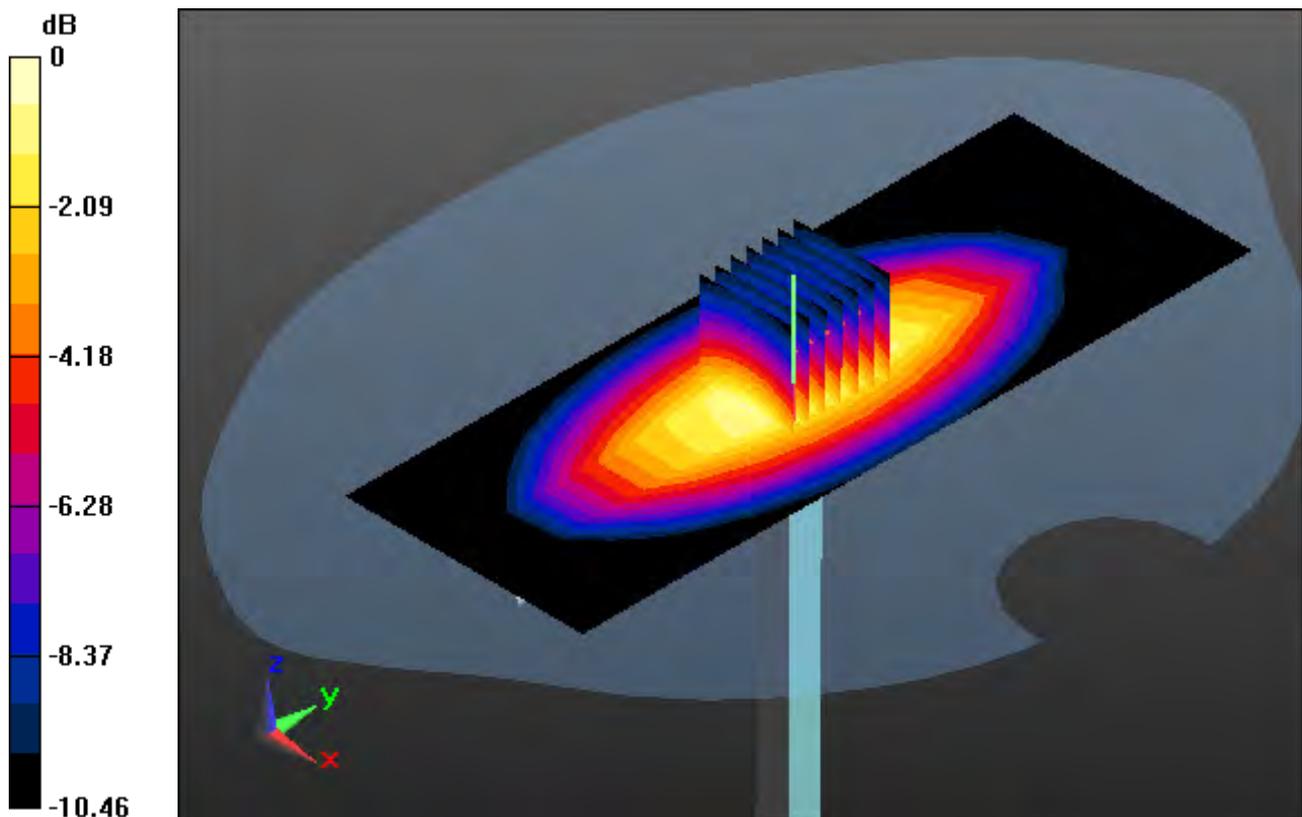
750 MHz System Body Verification (250 mW)

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) = 3.30 W/kg
SAR(1 g) = 2.15 W/kg; SAR(10 g) = 1.43 W/kg

0 dB = 2.83 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; σ = 0.895 S/m; ε_r = 41.323; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(10.32, 10.32, 10.32); Calibrated: 9/27/2019 Electronics: DAE3 Sn520
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2013_10_08_right; Type: QD000P40CD; Serial: TP:1785
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-01; Ambient Temp: 20.8; Tissue Temp: 21.2

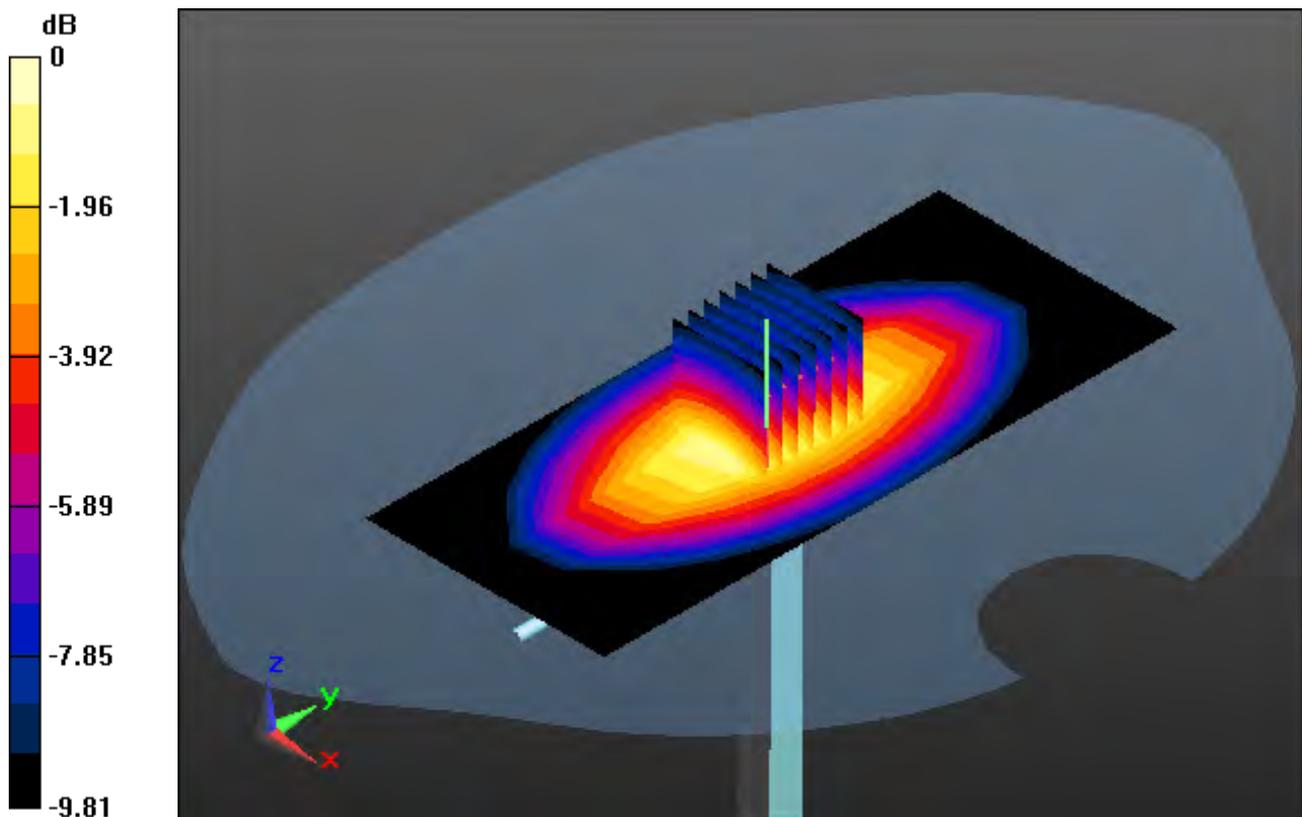### 835 MHz System Head Verification (250 mW)

Area Scan (6x13x1): 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) = 3.66 W/kg
SAR(1 g) = 2.53 W/kg; SAR(10 g) = 1.65 W/kg

0 dB = 3.01 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; σ = 0.988 S/m; ε_r = 53.828; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(10.24, 10.24, 10.24); Calibrated: 9/27/2019 Electronics: DAE3 Sn520
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-02; Ambient Temp: 21.4; Tissue Temp: 21.6
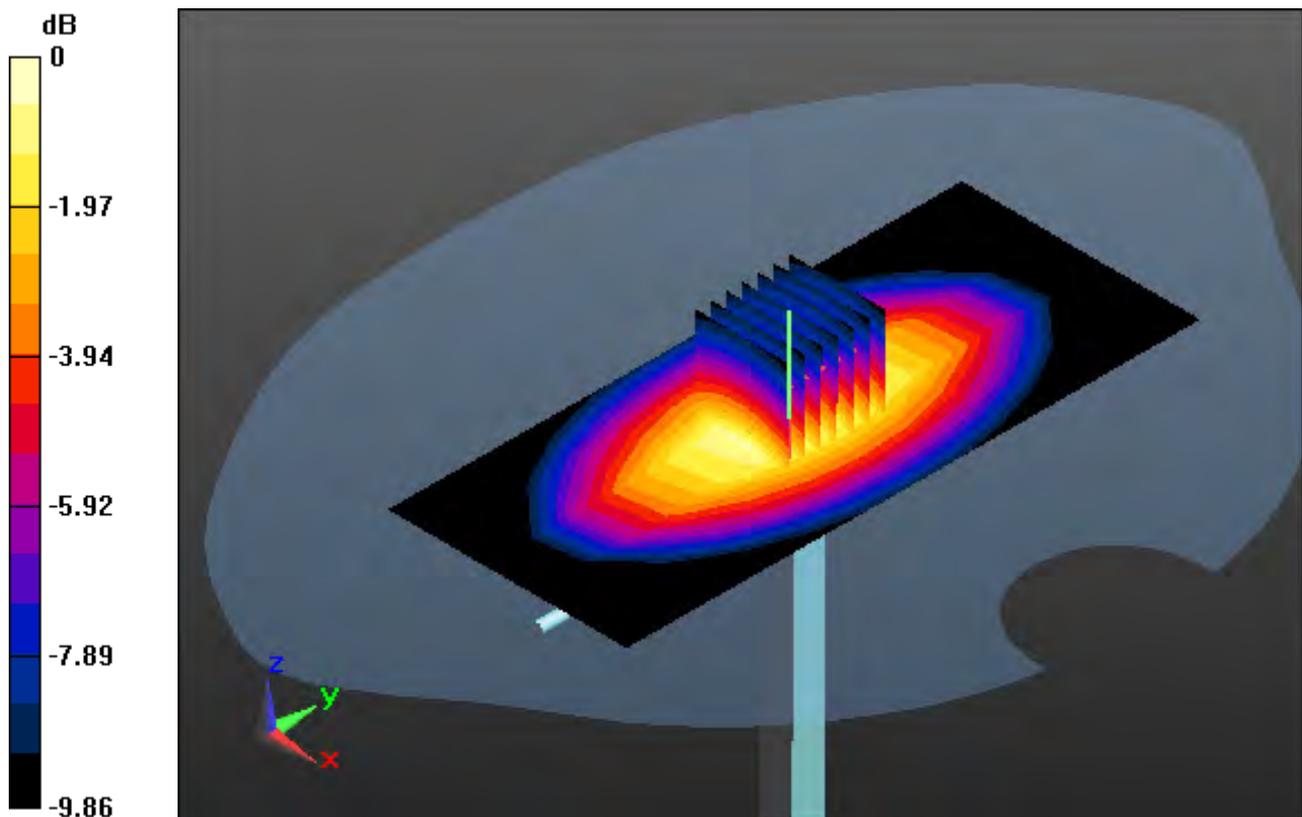
835 MHz System Body Verification (250 mW)

Area Scan (6x13x1): 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) = 3.03 W/kg
SAR(1 g) = 2.34 W/kg; SAR(10 g) = 1.54 W/kg

0 dB = 2.62 W/kg

DT&C Co., Ltd.

DUT: Dipole 1800 MHz; Type: D1800V2; Serial: D1800V2 - SN:2d047

Communication System: UID 0, CW (0); Frequency: 1800 MHz; Duty Cycle: 1:1
Medium parameters used: f = 1800 MHz; σ = 1.447 S/m; ε_r = 38.704; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(8.1, 8.1, 8.1); Calibrated: 5/28/2019 Electronics: DAE4 Sn1335
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM-twin middle_2013_09_24; Type: QD000P40CD; Serial: 1782
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-06; Ambient Temp: 20.1; Tissue Temp: 20.7
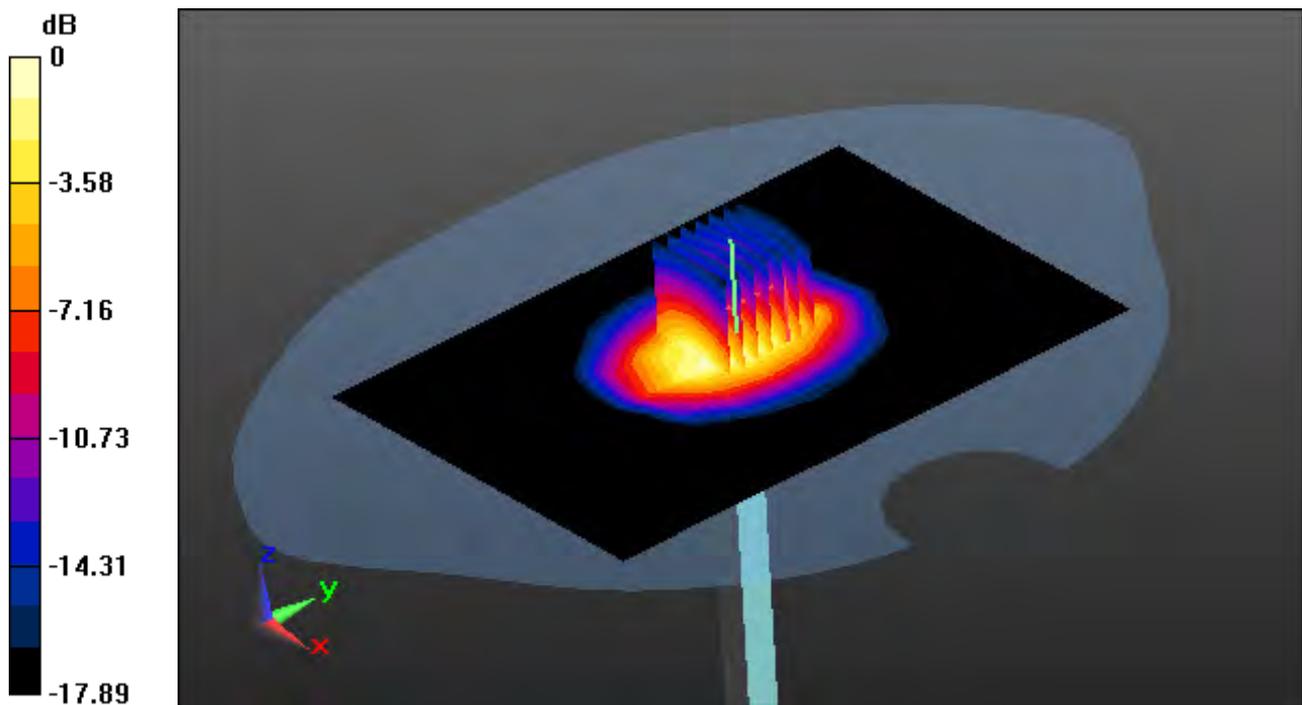
1800 MHz System Head Verification (100 mW)

Area Scan (9x13x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = 0.10 dB
Peak SAR (extrapolated) = 7.46 W/kg
SAR(1 g) = 3.85 W/kg; SAR(10 g) = 2.02 W/kg

0 dB = 4.55 W/kg

DT&C Co., Ltd.

DUT: Dipole 1800 MHz; Type: D1800V2; Serial: D1800V2 - SN:2d047

Communication System: UID 0, CW (0); Frequency: 1800 MHz; Duty Cycle: 1:1
Medium parameters used: f = 1800 MHz; σ = 1.533 S/m; ε_r = 52.93; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(7.74, 7.74, 7.74); Calibrated: 5/28/2019 Electronics: DAE4 Sn1335
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM-twin right_2013_09_24; Type: QD000P40CD; Serial: TP:1783
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-06; Ambient Temp: 20.1; Tissue Temp: 20.5
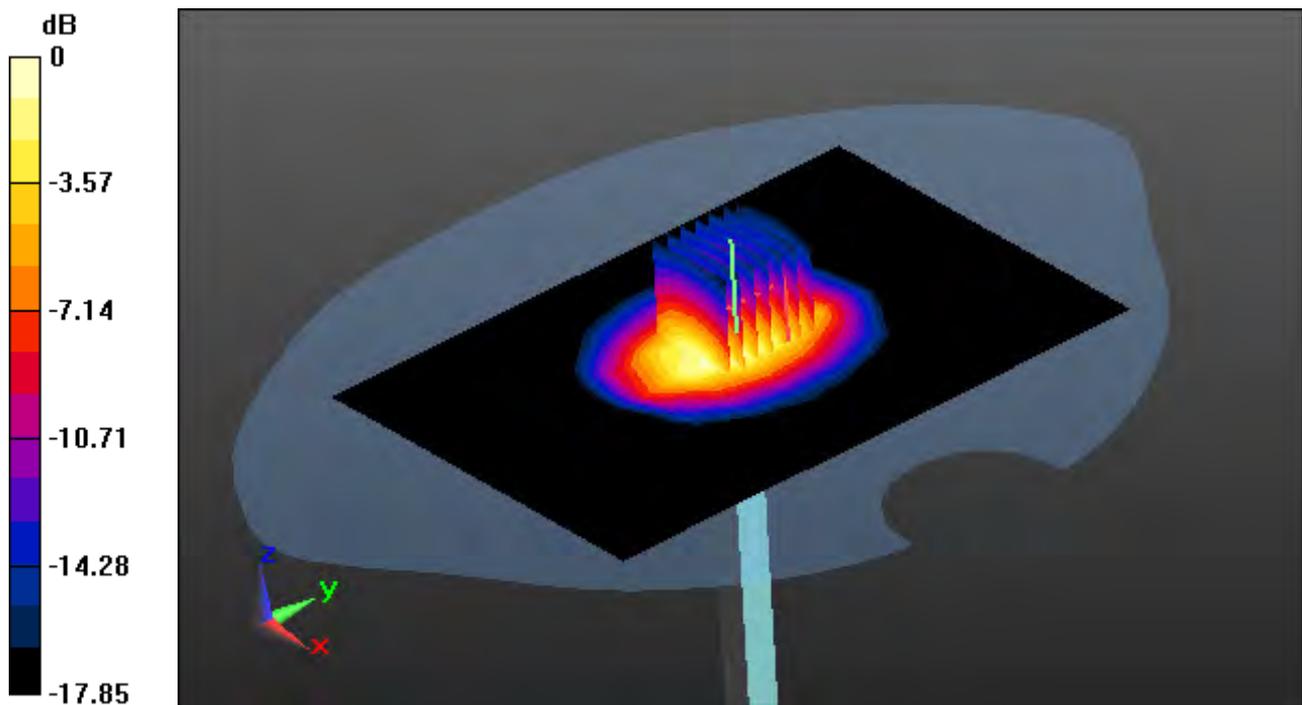
1800 MHz System Body Verification (100 mW)

Area Scan (9x13x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = -0.09 dB
Peak SAR (extrapolated) = 5.02 W/kg
SAR(1 g) = 3.83 W/kg; SAR(10 g) = 2.01 W/kg
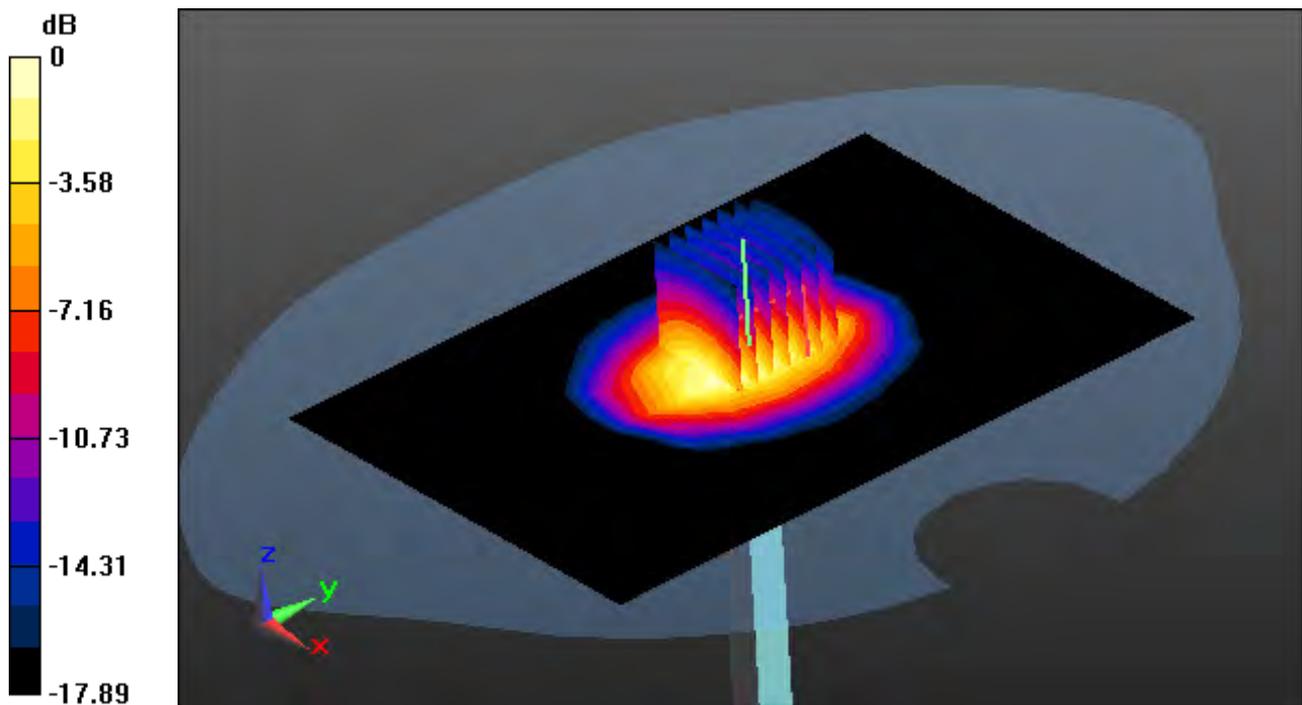
0 dB = 4.36 W/kg

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; σ = 1.433 S/m; ε_r = 40.612; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(7.85, 7.85, 7.85); Calibrated: 5/28/2019 Electronics: DAE4 Sn1335
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM-twin middle_2013_09_24; Type: QD000P40CD; Serial: 1782
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-02; Ambient Temp: 20.1; Tissue Temp: 20.4

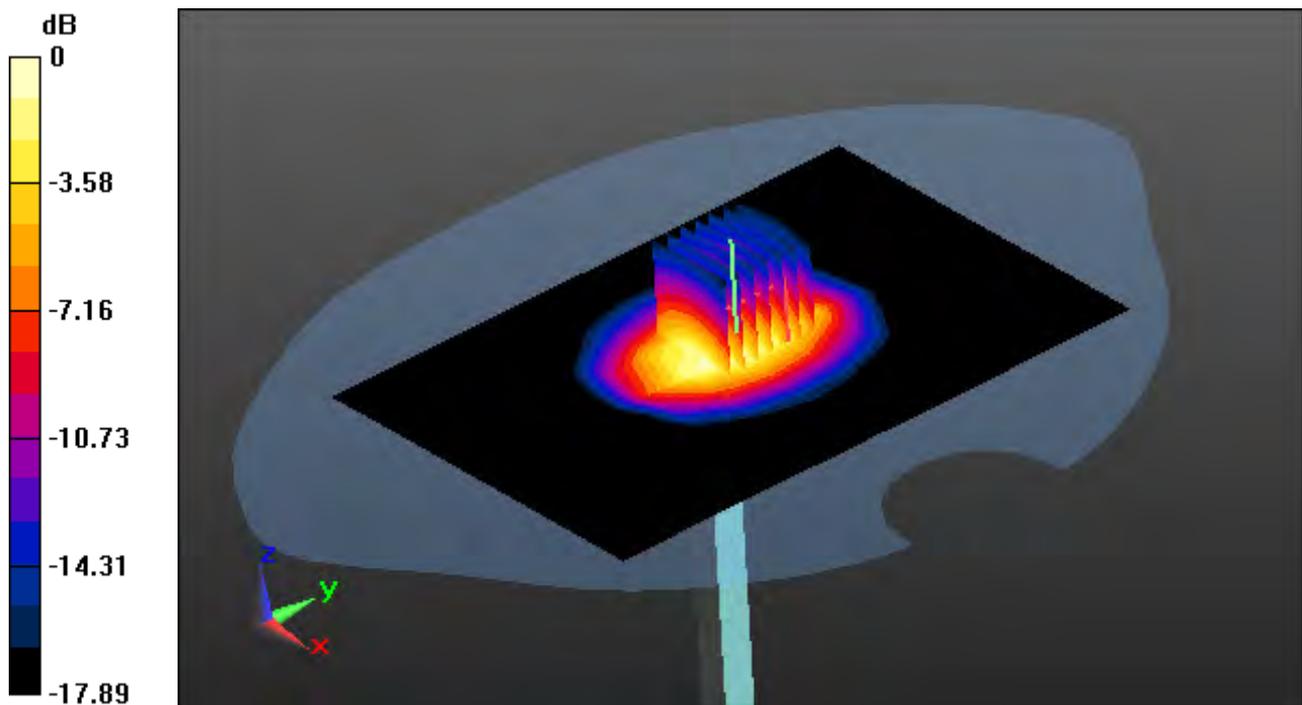### 1900 MHz System Head Verification (100 mW)

Area Scan (9x13x1): 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) = 8.07 W/kg
SAR(1 g) = 4.29 W/kg; SAR(10 g) = 2.23 W/kg

0 dB = 4.77 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; σ = 1.555 S/m; ε_r = 51.426; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(7.51, 7.51, 7.51); Calibrated: 5/28/2019 Electronics: DAE4 Sn1335
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM-twin right_2013_09_24; Type: QD000P40CD; Serial: TP:1783
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-02; Ambient Temp: 20.1; Tissue Temp: 20.2
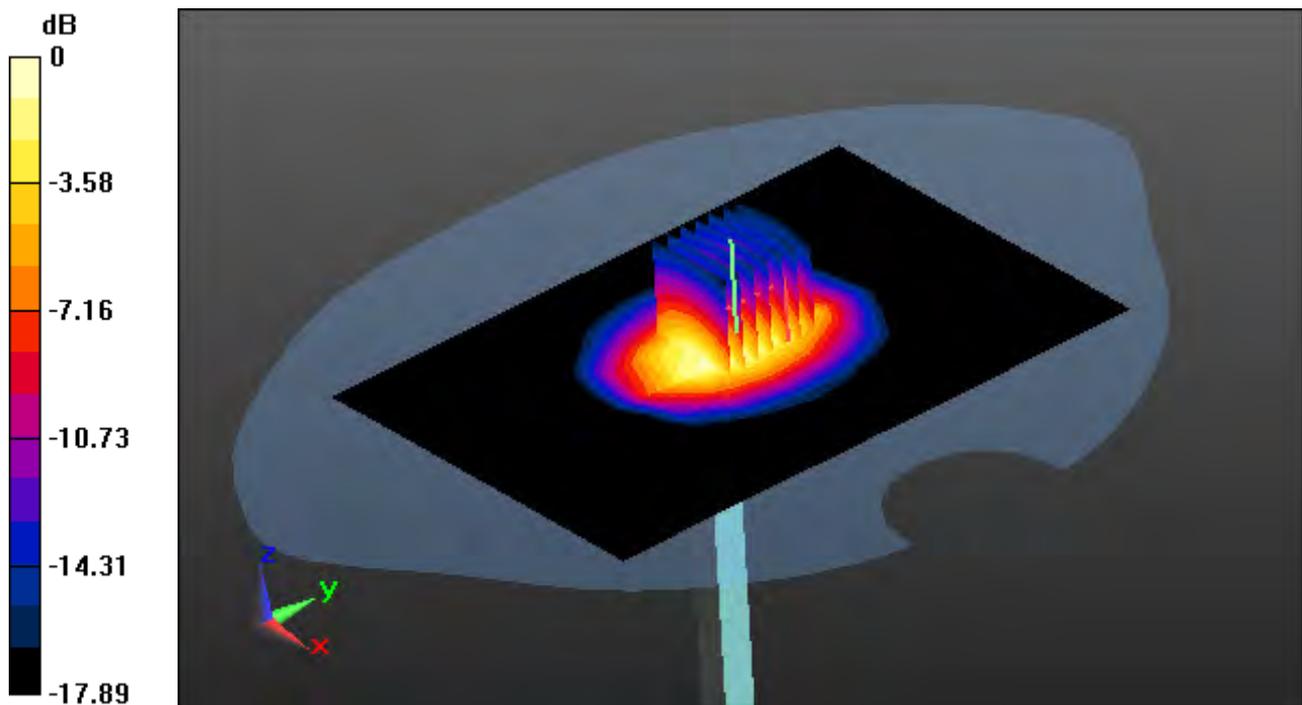
1900 MHz System Body Verification (100 mW)

Area Scan (9x13x1): 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) = 8.73 W/kg
SAR(1 g) = 4.12 W/kg; SAR(10 g) = 2.15 W/kg

0 dB = 4.62 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; σ = 1.426 S/m; ε_r = 40.622; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(7.85, 7.85, 7.85); Calibrated: 5/28/2019 Electronics: DAE4 Sn1335
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM-twin middle_2013_09_24; Type: QD000P40CD; Serial: 1782
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-03; Ambient Temp: 21.8; Tissue Temp: 22.0

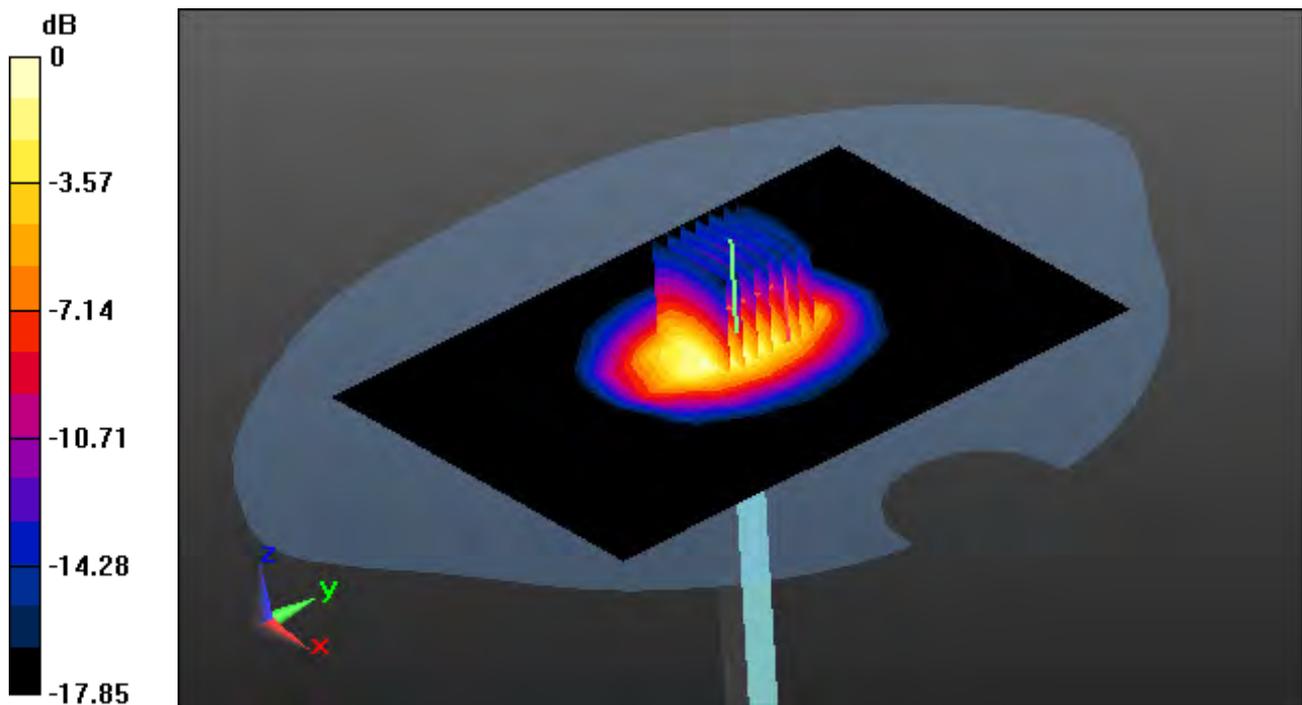### 1900 MHz System Head Verification (100 mW)

Area Scan (9x13x1): 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) = 7.95 W/kg
SAR(1 g) = 4.21 W/kg; SAR(10 g) = 2.2 W/kg

0 dB = 4.68 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; σ = 1.513 S/m; ε_r = 51.557; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(7.51, 7.51, 7.51); Calibrated: 5/28/2019 Electronics: DAE4 Sn1335
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM-twin right_2013_09_24; Type: QD000P40CD; Serial: TP:1783
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-03; Ambient Temp: 21.8; Tissue Temp: 21.9
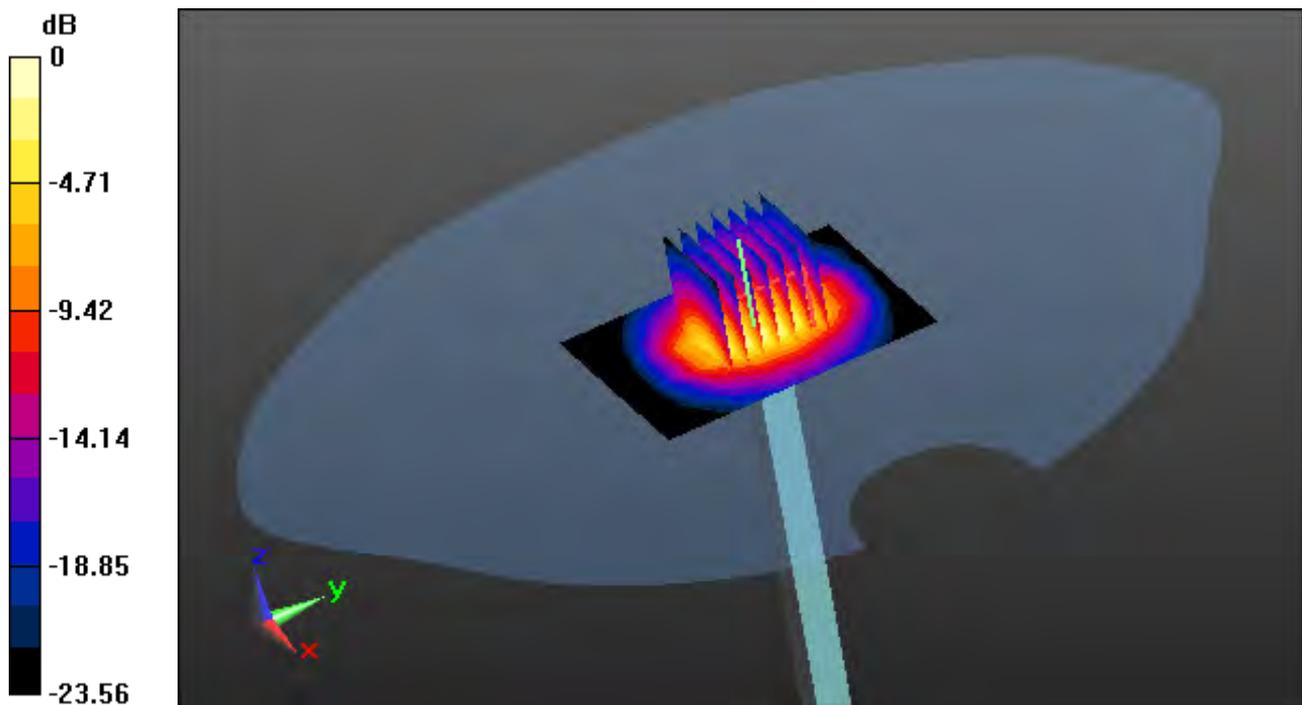
1900 MHz System Body Verification (100 mW)

Area Scan (9x13x1): 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) = 7.45 W/kg
SAR(1 g) = 3.92 W/kg; SAR(10 g) = 2.03 W/kg

0 dB = 5.28 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; σ = 1.852 S/m; ε_r = 38.434; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(7.24, 7.24, 7.24); Calibrated: 5/28/2019 Electronics: DAE4 Sn1335
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM-twin middle_2013_09_24; Type: QD000P40CD; Serial: 1782
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-08; Ambient Temp: 20.3; Tissue Temp: 20.6

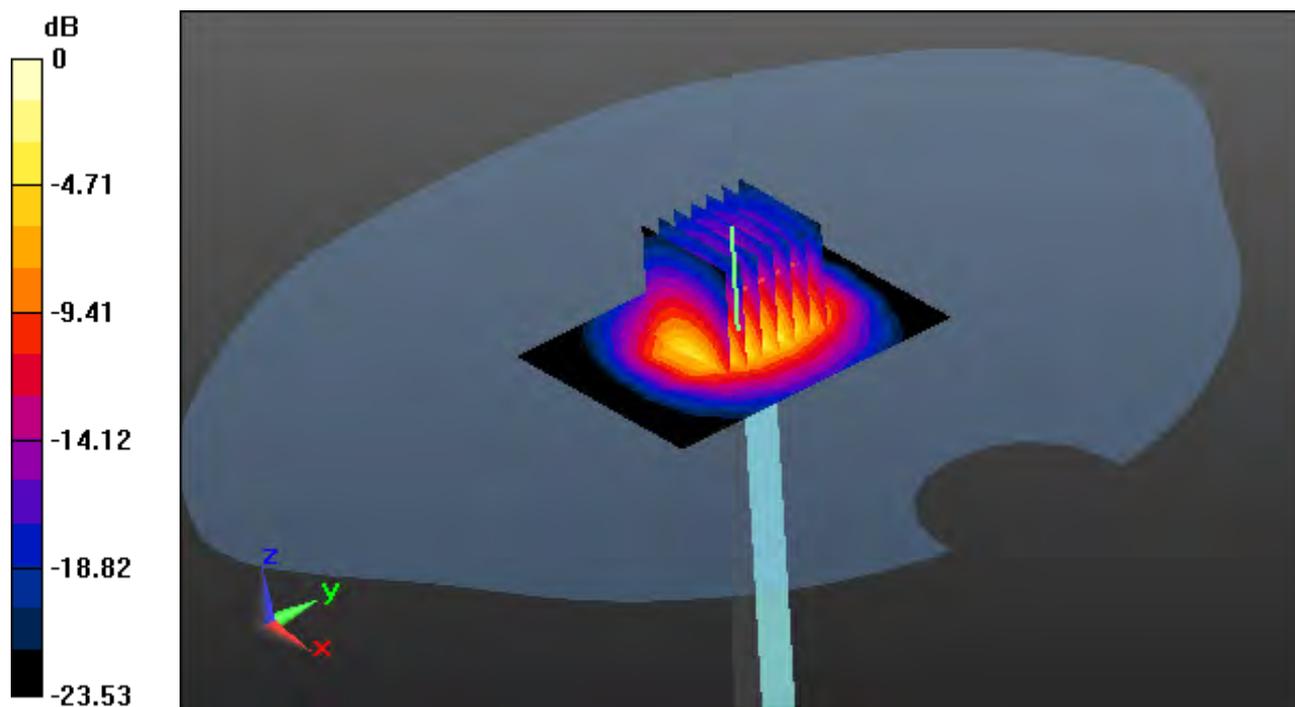### 2450 MHz System Head Verification (100 mW)

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) = 11.0 W/kg
SAR(1 g) = 5.19 W/kg; SAR(10 g) = 2.33 W/kg

0 dB = 8.02 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; σ = 1.992 S/m; ε_r = 51.686; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(7.27, 7.27, 7.27); Calibrated: 5/28/2019 Electronics: DAE4 Sn1335
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM-twin right_2013_09_24; Type: QD000P40CD; Serial: TP:1783
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-08; Ambient Temp: 20.3; Tissue Temp: 20.4

### 2450 MHz System Body Verification (100 mW)

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) = 11.5 W/kg
SAR(1 g) = 5.51 W/kg; SAR(10 g) = 2.48 W/kg

dB
0
-4.70
-9.41
-14.11
-18.82
-23.52
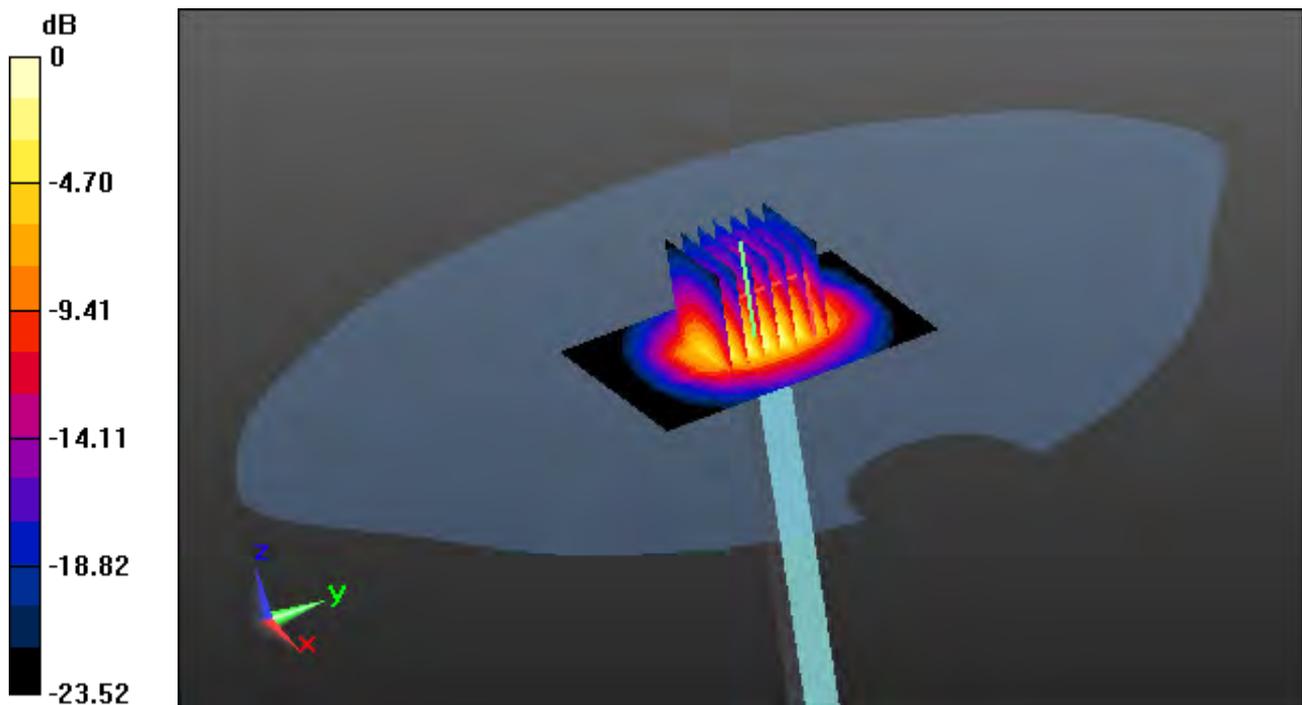
0 dB = 8.50 W/kg

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; σ = 1.975 S/m; ε_r = 38.082; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(7.03, 7.03, 7.03); Calibrated: 5/28/2019 Electronics: DAE4 Sn1335
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM-twin middle_2013_09_24; Type: QD000P40CD; Serial: 1782
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-07; Ambient Temp: 20.4; Tissue Temp: 20.6
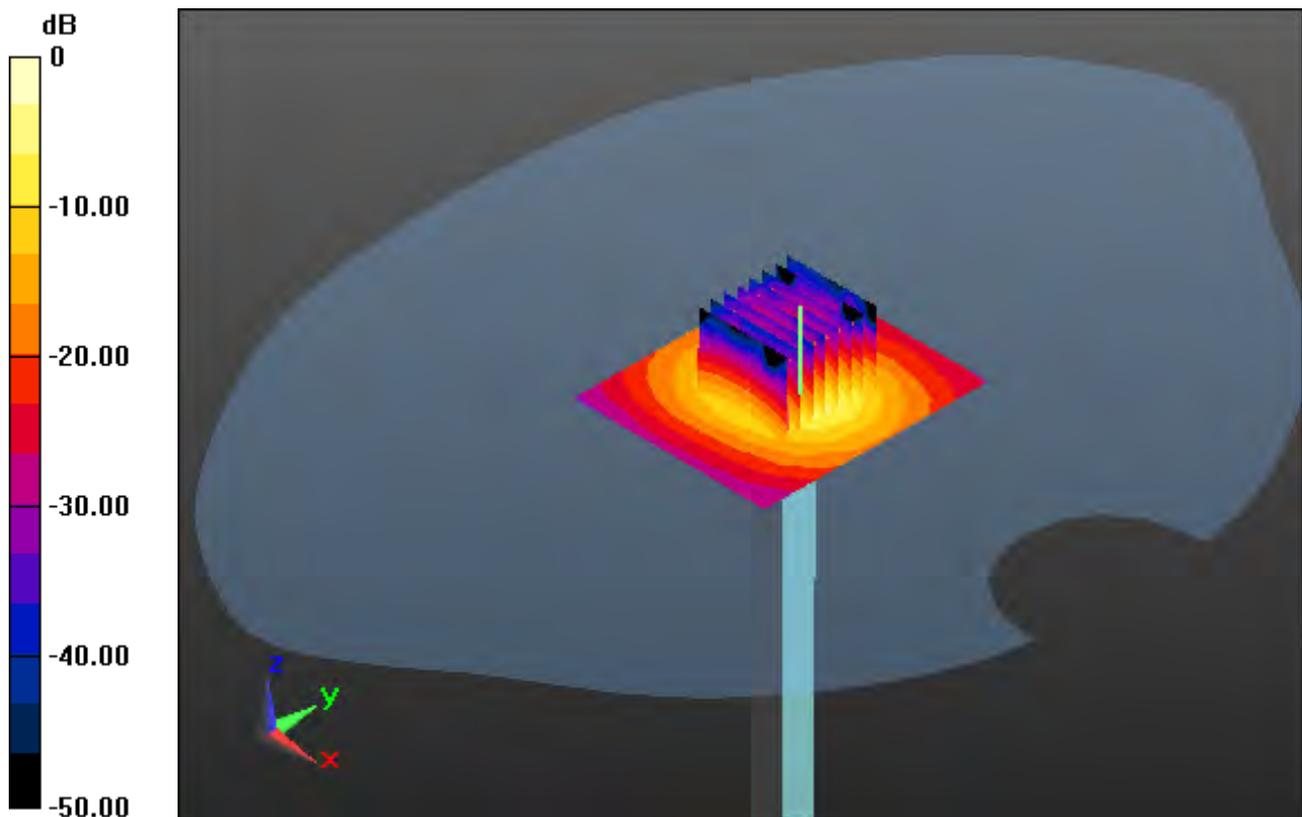
2600 MHz System Head Verification (100 mW)

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) = 11.9 W/kg
SAR(1 g) = 5.66 W/kg; SAR(10 g) = 2.54 W/kg

0 dB = 8.74 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; σ = 2.166 S/m; ε_r = 51.672; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(7.1, 7.1, 7.1); Calibrated: 5/28/2019 Electronics: DAE4 Sn1335
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM-twin right_2013_09_24; Type: QD000P40CD; Serial: TP:1783
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-07; Ambient Temp: 20.4; Tissue Temp: 20.7

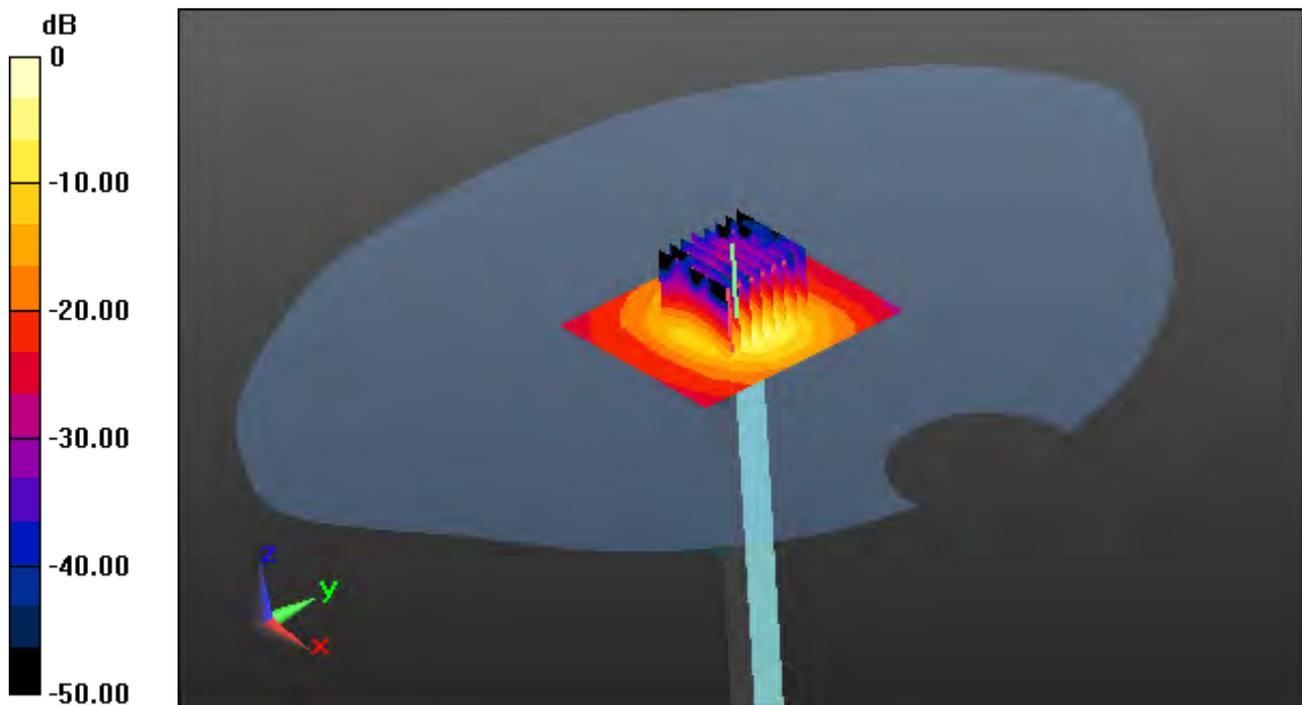## 2600 MHz System Body Verification (100 mW)

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) = 11.77 W/kg
SAR(1 g) = 5.41 W/kg; SAR(10 g) = 2.48 W/kg
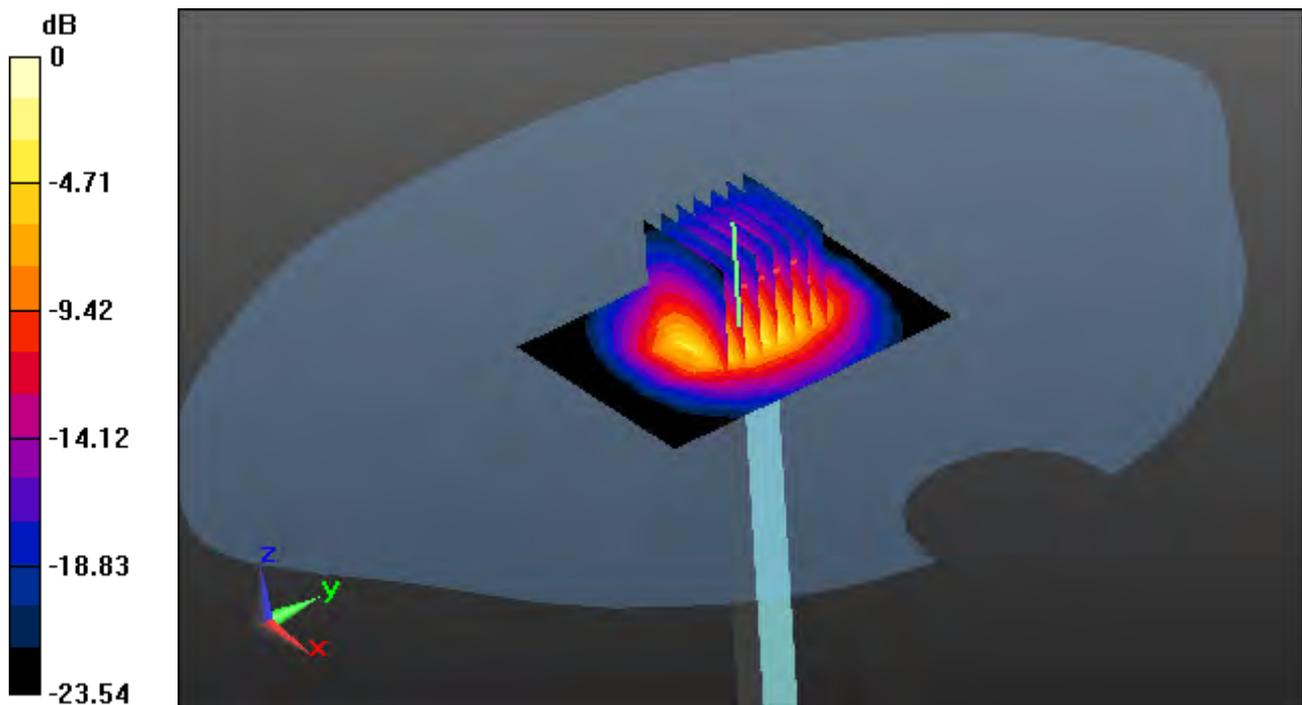
0 dB = 8.43 W/kg

DT&C Co., Ltd.

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

Communication System: UID 0, CW (0); Frequency: 5200 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5200 MHz; σ = 5.24 S/m; ε_r = 49.223; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(4.66, 4.66, 4.66); Calibrated: 9/27/2019 Electronics: DAE3 Sn520
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2013_10_08_right; Type: QD000P40CD; Serial: TP:1785
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-06; Ambient Temp: 21.4; Tissue Temp: 21.6
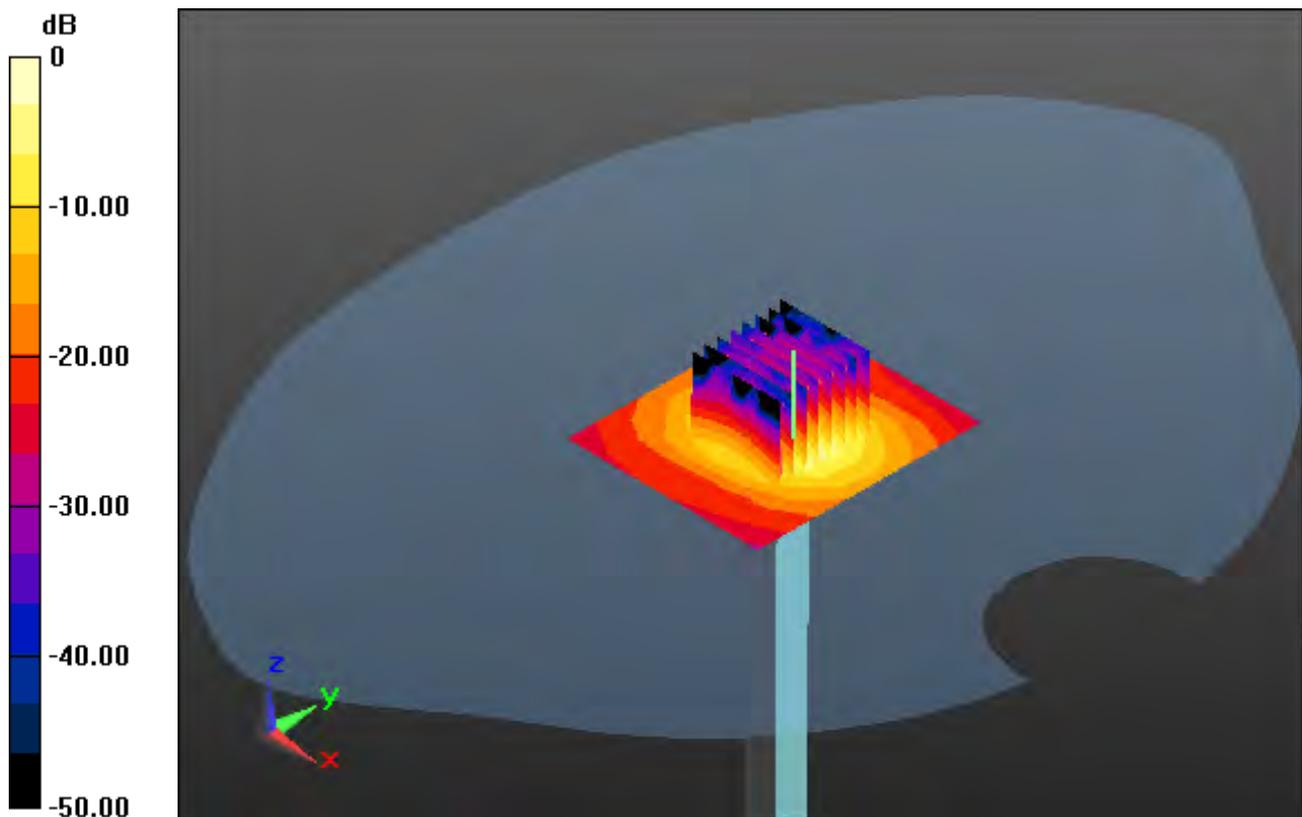
5200 MHz System Body Verification (100 mW)

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 = 0.05 dB
Peak SAR (extrapolated) = 34.3 W/kg
SAR(1 g) = 7.69 W/kg; SAR(10 g) = 2.17 W/kg

0 dB = 17.4 W/kg

DT&C Co., Ltd.

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

Communication System: UID 0, CW (0); Frequency: 5300 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5300 MHz; σ = 4.827 S/m; ε_r = 35.082; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(4.92, 4.92, 4.92); Calibrated: 5/28/2019 Electronics: DAE4 Sn1335
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM-twin right_2013_09_24; Type: QD000P40CD; Serial: TP:1783
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-09; Ambient Temp: 21.3; Tissue Temp: 21.1

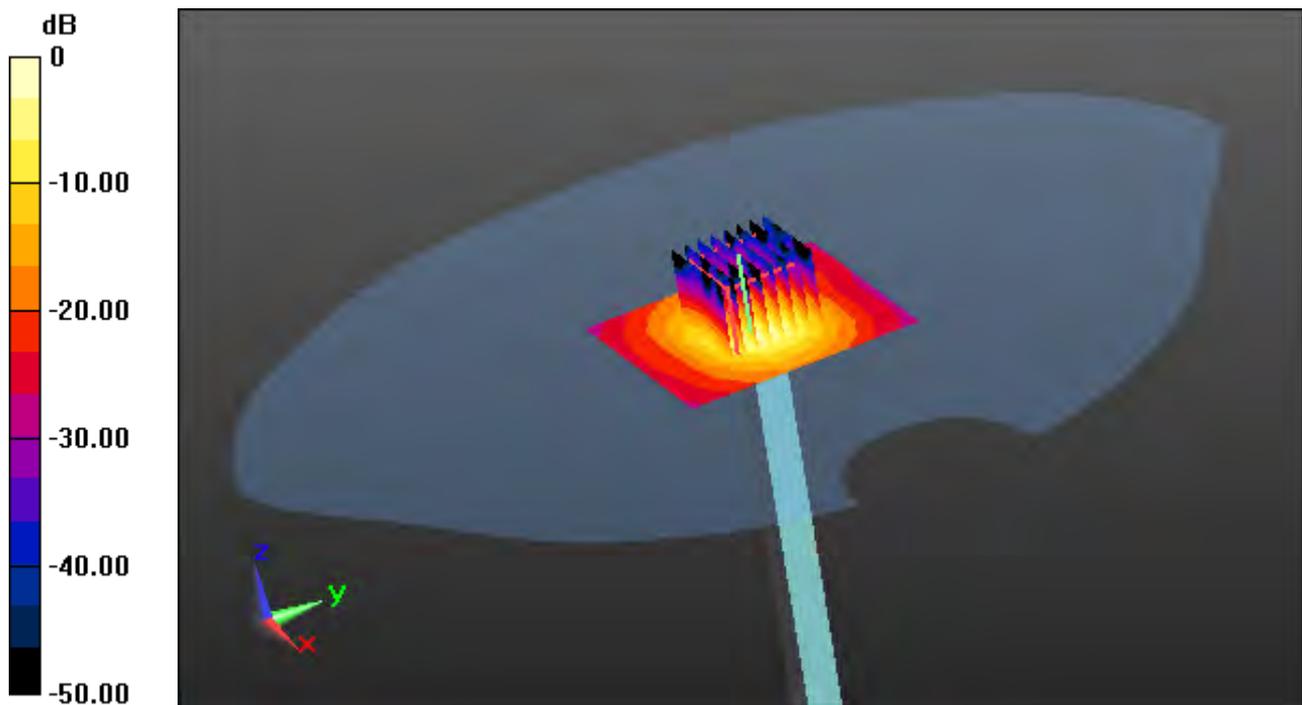### 5300 MHz System Head Verification (100 mW)

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 = 0.01 dB
Peak SAR (extrapolated) = 37.7 W/kg
SAR(1 g) = 8.34 W/kg; SAR(10 g) = 2.33 W/kg

0 dB = 17.7 W/kg

DT&C Co., Ltd.

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

Communication System: UID 0, CW (0); Frequency: 5300 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5300 MHz; σ = 5.329 S/m; ε_r = 49.204; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(4.56, 4.56, 4.56); Calibrated: 9/27/2019 Electronics: DAE3 Sn520
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2013_10_08_right; Type: QD000P40CD; Serial: TP:1785
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-07; Ambient Temp: 20.1; Tissue Temp: 20.7

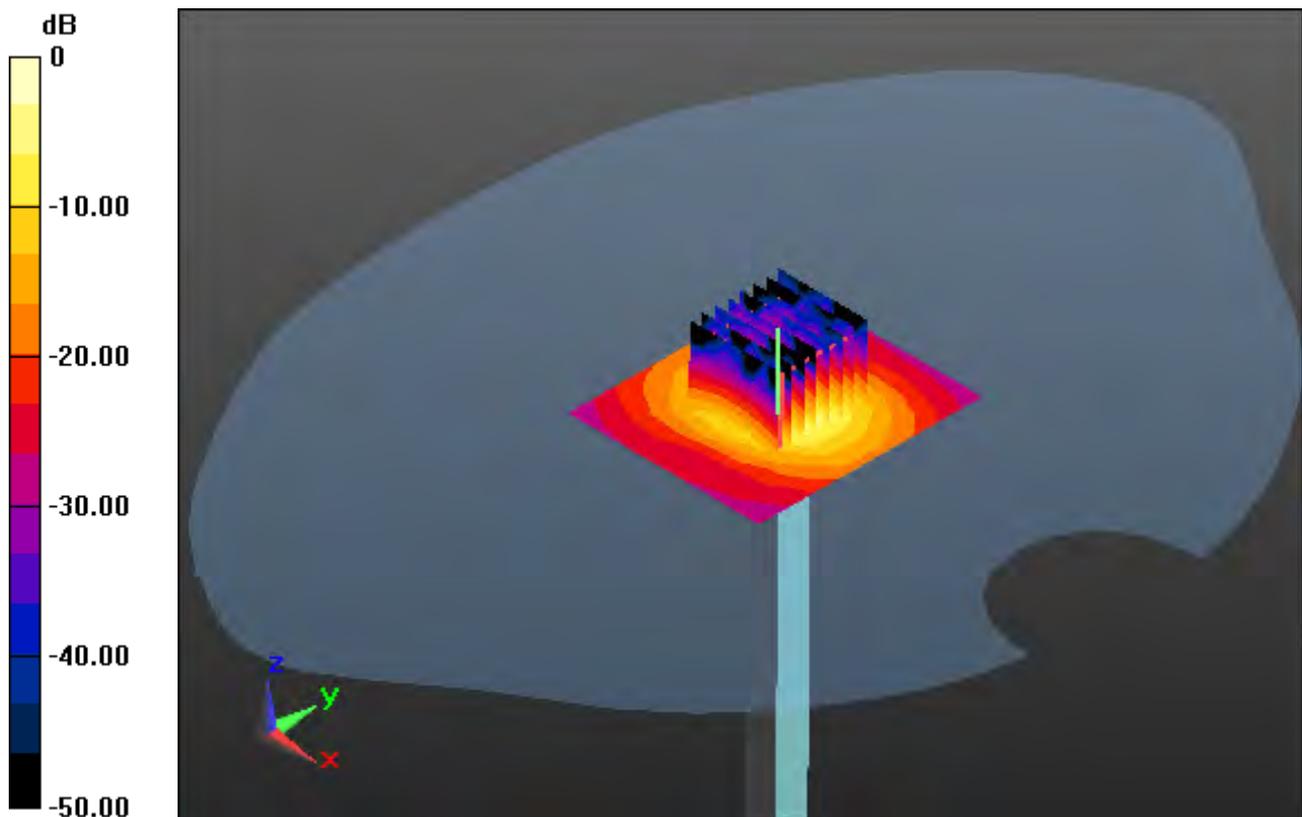### 5300 MHz System Body Verification (100 mW)

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 = 0.02 dB
Peak SAR (extrapolated) = 34.8 W/kg
SAR(1 g) = 7.5 W/kg; SAR(10 g) = 2.12 W/kg

0 dB = 16.7 W/kg

DT&C Co., Ltd.

DUT: Dipole 5000 MHz; 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; σ = 5.066 S/m; ε_r = 35.881; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(4.55, 4.55, 4.55); Calibrated: 5/28/2019 Electronics: DAE4 Sn1335
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM-twin right_2013_09_24; Type: QD000P40CD; Serial: TP:1783
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-10; Ambient Temp: 21.8; Tissue Temp: 21.5
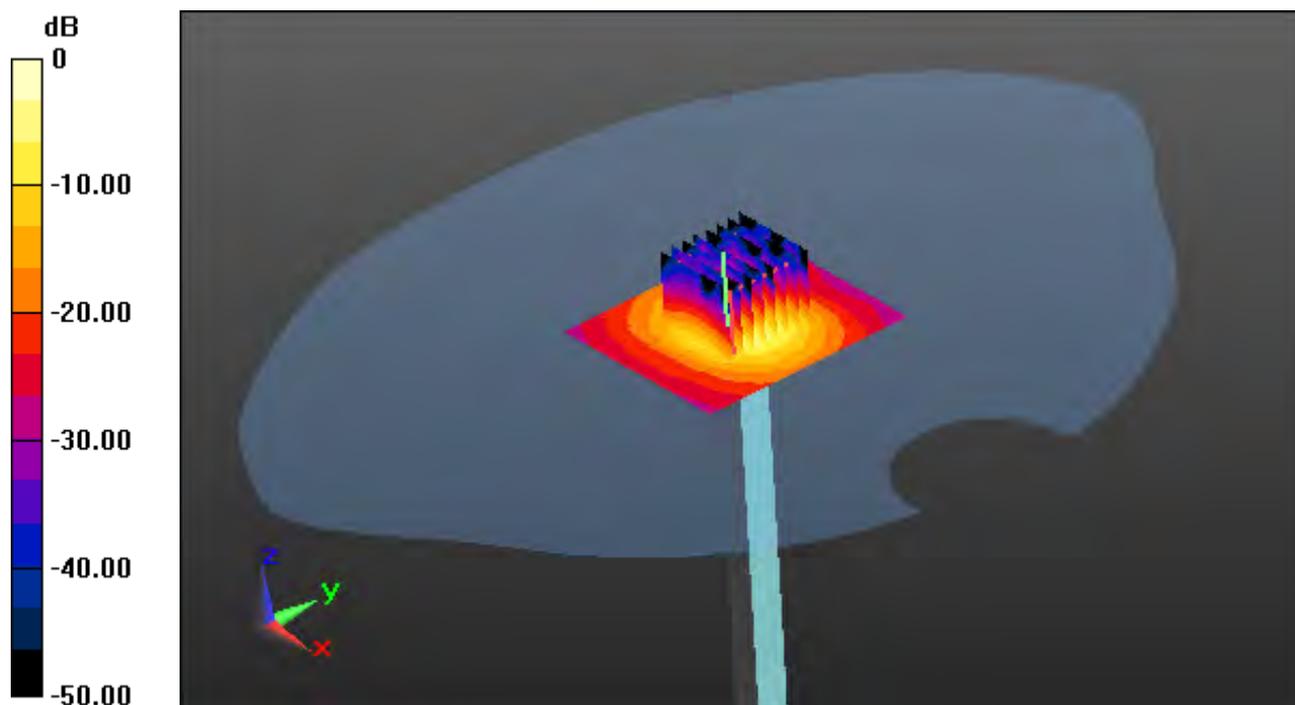
5500 MHz System Head Verification (100 mW)

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 = -0.06 dB
Peak SAR (extrapolated) = 41.2 W/kg
SAR(1 g) = 8.41 W/kg; SAR(10 g) = 2.36 W/kg

0 dB = 21.9 W/kg

DT&C Co., Ltd.

DUT: Dipole 5000 MHz; 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; σ = 5.751 S/m; $ε_r$ = 48.671; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(4.2, 4.2, 4.2); Calibrated: 9/27/2019 Electronics: DAE3 Sn520
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2013_10_08_right; Type: QD000P40CD; Serial: TP:1785
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-08; Ambient Temp: 21.1; Tissue Temp: 21.6
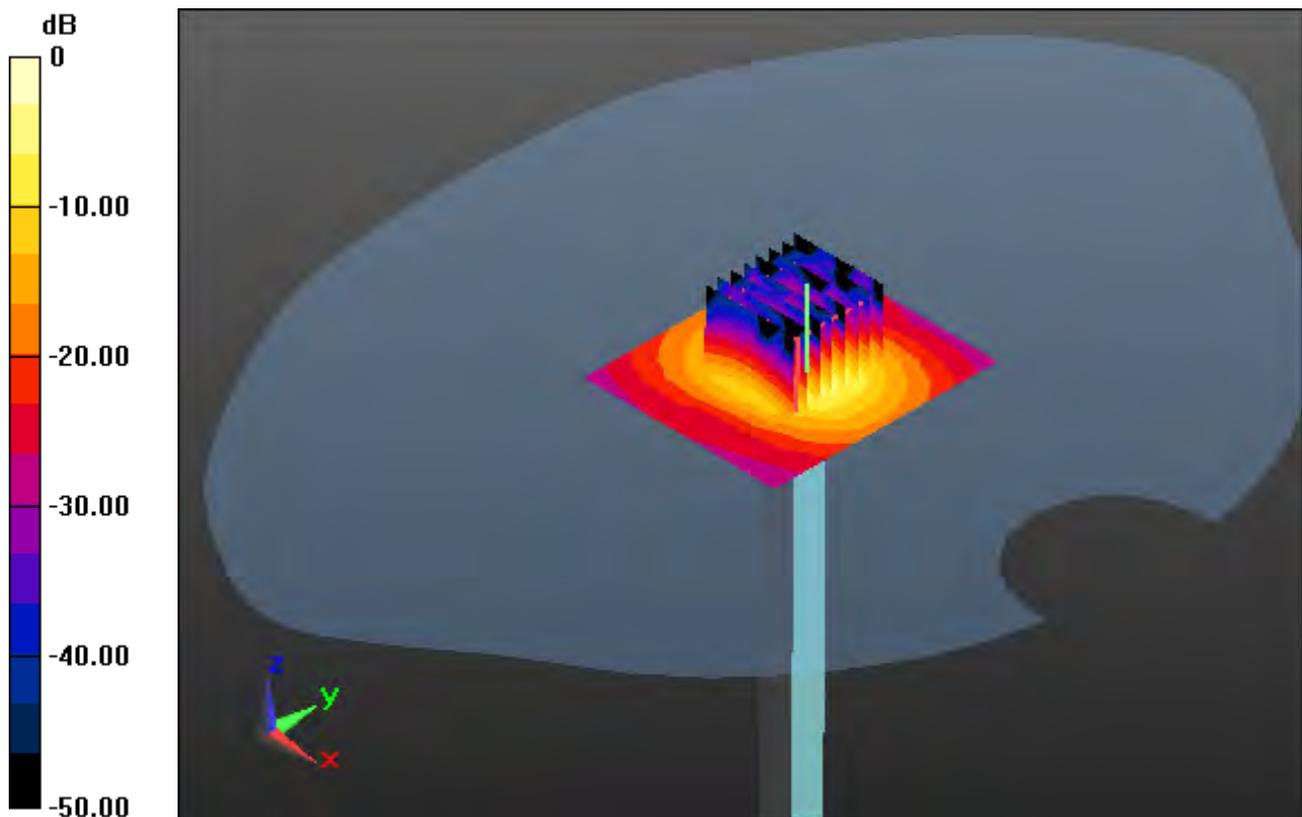
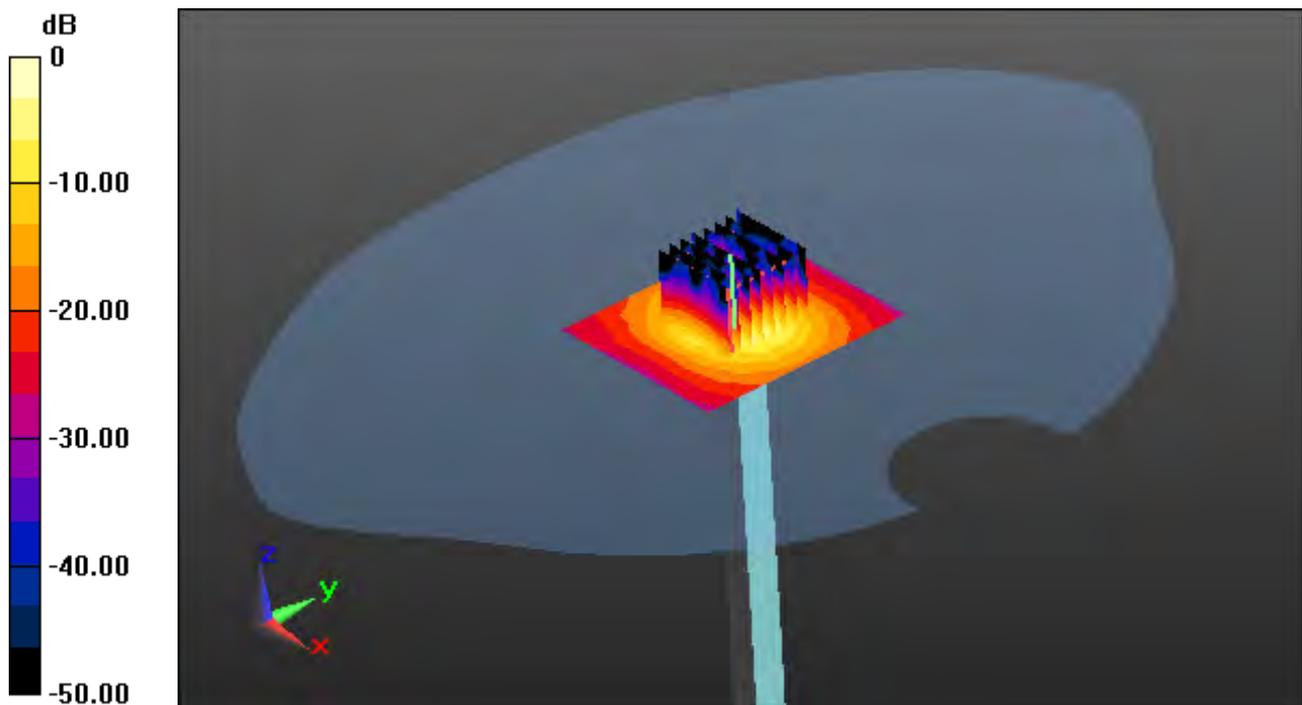**5500 MHz System Body Verification (100 mW)**

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 = 0.09 dB
Peak SAR (extrapolated) = 29.6 W/kg
SAR(1 g) = 7.86 W/kg; SAR(10 g) = 2.18 W/kg

0 dB = 18.7 W/kg

DT&C Co., Ltd.

DUT: Dipole 5000 MHz; 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; σ = 5.424 S/m; ε_r = 35.349; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(4.62, 4.62, 4.62); Calibrated: 5/28/2019 Electronics: DAE4 Sn1335
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM-twin right_2013_09_24; Type: QD000P40CD; Serial: TP:1783
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-10; Ambient Temp: 21.8; Tissue Temp: 21.5
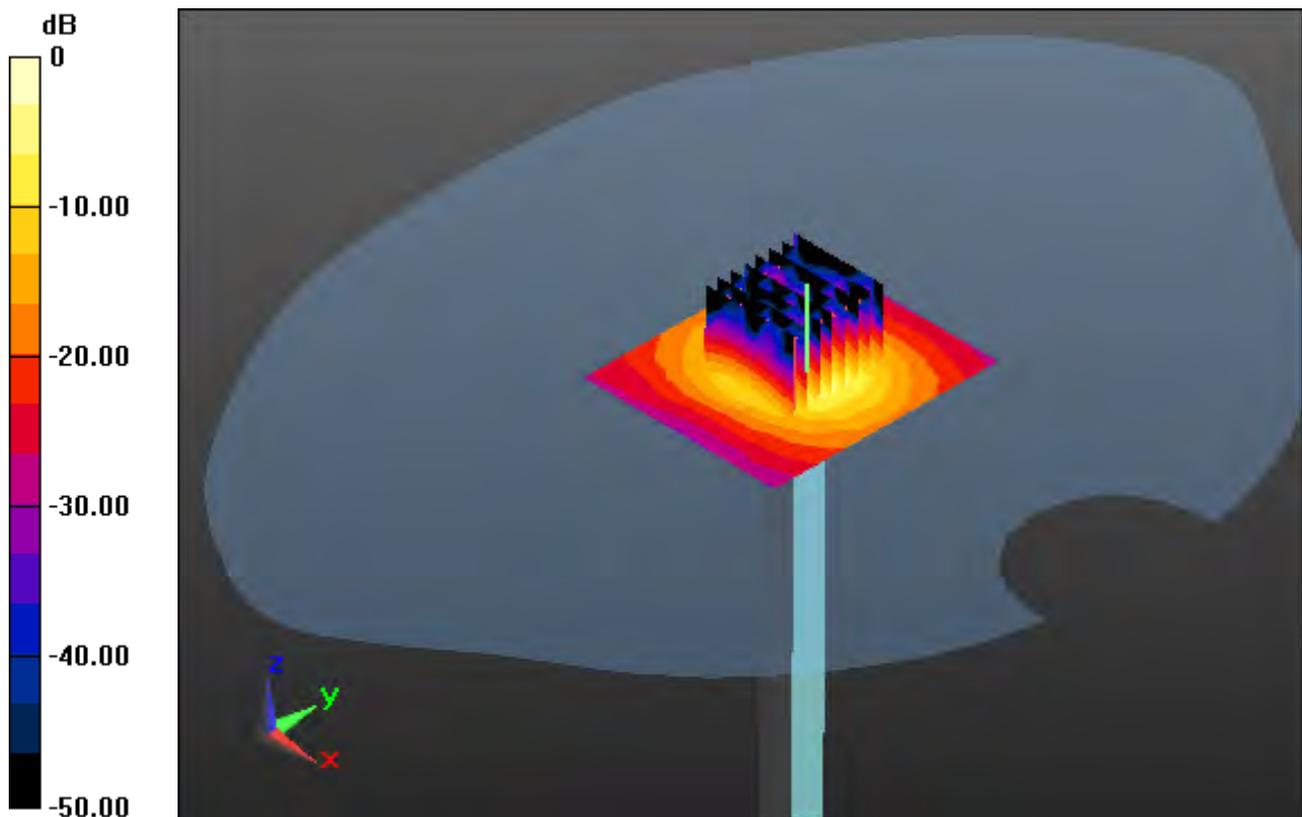
5800 MHz System Head Verification (100 mW)

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 = -0.01 dB
Peak SAR (extrapolated) = 38.4 W/kg
SAR(1 g) = 8.32 W/kg; SAR(10 g) = 2.29 W/kg

0 dB = 17.9 W/kg

DT&C Co., Ltd.

DUT: Dipole 5000 MHz; 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; σ = 6.181 S/m; ε_r = 48.116; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(4.13, 4.13, 4.13); Calibrated: 9/27/2019 Electronics: DAE3 Sn520
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2013_10_08_right; Type: QD000P40CD; Serial: TP:1785
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-08; Ambient Temp: 21.1; Tissue Temp: 21.6

5800 MHz System Body 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 = 0.08 dB
Peak SAR (extrapolated) = 29.7 W/kg
SAR(1 g) = 7.72 W/kg; SAR(10 g) = 2.16 W/kg

0 dB = 18.9 W/kg

DT&C Co., Ltd.

DUT: Dipole 5000 MHz; 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; σ = 5.387 S/m; $ε_r$ = 34.242; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(4.62, 4.62, 4.62); Calibrated: 5/28/2019 Electronics: DAE4 Sn1335
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM-twin right_2013_09_24; Type: QD000P40CD; Serial: TP:1783
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-13; Ambient Temp: 20.1; Tissue Temp: 20.4

5800 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 = -0.05 dB
Peak SAR (extrapolated) = 37.9 W/kg
SAR(1 g) = 8.46 W/kg; SAR(10 g) = 2.33 W/kg

0 dB = 17.4 W/kg

DT&C Co., Ltd.

DUT: Dipole 5000 MHz; 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; σ = 6.202 S/m; ε_r = 48.325; ρ = 1000 kg/m³
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(4.13, 4.13, 4.13); Calibrated: 9/27/2019 Electronics: DAE3 Sn520
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2013_10_08_right; Type: QD000P40CD; Serial: TP:1785
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-09; Ambient Temp: 20.7; Tissue Temp: 20.9

5800 MHz System Body 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 = -0.03 dB
Peak SAR (extrapolated) = 28.9 W/kg
SAR(1 g) = 7.68 W/kg; SAR(10 g) = 2.15 W/kg

0 dB = 18.7 W/kg

DT&C Co., Ltd.

DUT: LM-G900EM; 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; σ = 0.897 S/m; ε_r = 41.347; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(10.32, 10.32, 10.32); Calibrated: 9/27/2019 Electronics: DAE3 Sn520
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2013_10_08_right; Type: QD000P40CD; Serial: TP:1785
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-01; Ambient Temp: 20.8; Tissue Temp: 21.2

Left 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 = 0.01 dB
Peak SAR (extrapolated) = 0.135 W/kg
SAR(1 g) = 0.105 W/kg; SAR(10 g) = 0.079 W/kg

0 dB = 0.123 W/kg

A1
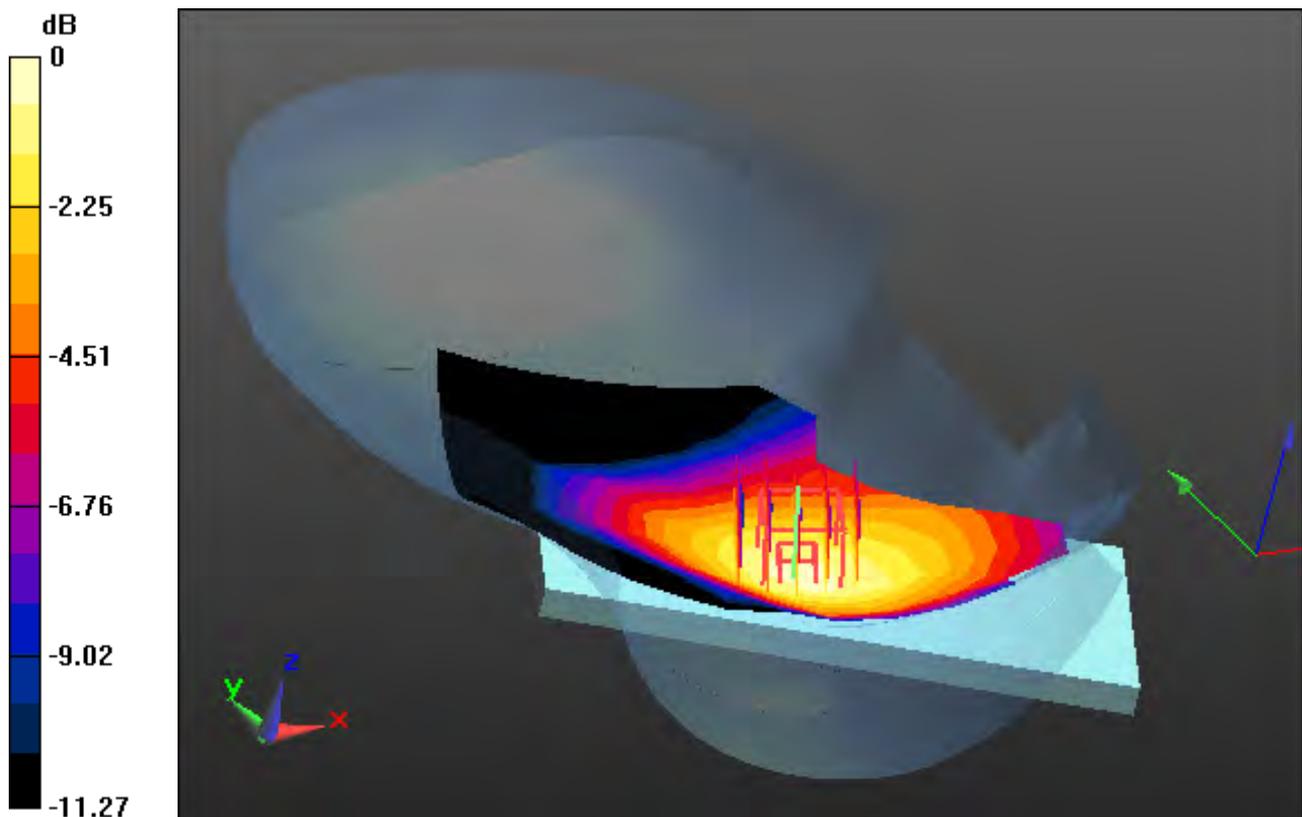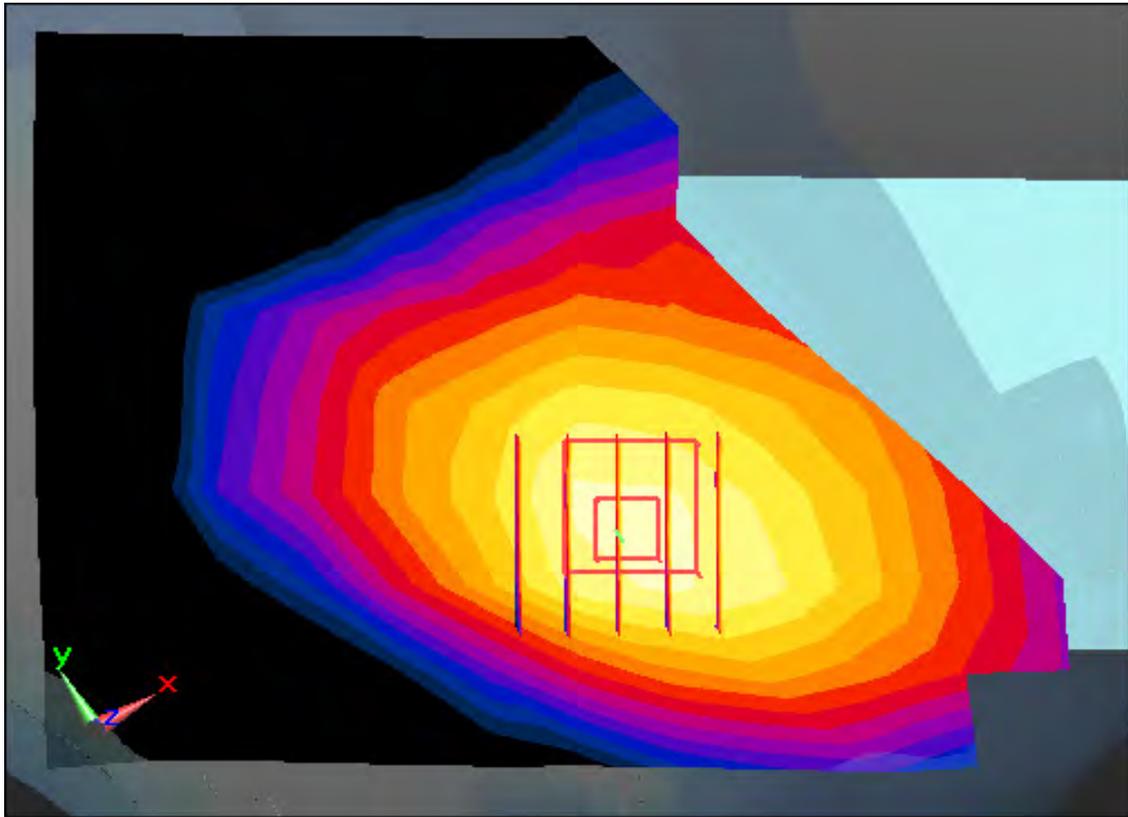
Enlarged Plot for A1

DT&C Co., Ltd.

DUT: LM-G900EM; 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; σ = 0.897 S/m; $ε_r$ = 41.347; ρ = 1000 kg/m³ Phantom
section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(10.32, 10.32, 10.32); Calibrated: 9/27/2019 Electronics: DAE3 Sn520
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2013_10_08_right; Type: QD000P40CD; Serial: TP:1785
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-01; Ambient Temp: 20.8; Tissue Temp: 21.2

Left Touch, GSM850 GPRS 4 Tx 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 = 0.11 dB
Peak SAR (extrapolated) = 0.183 W/kg
SAR(1 g) = 0.143 W/kg; SAR(10 g) = 0.092 W/kg

0 dB = 0.164 W/kg

A2
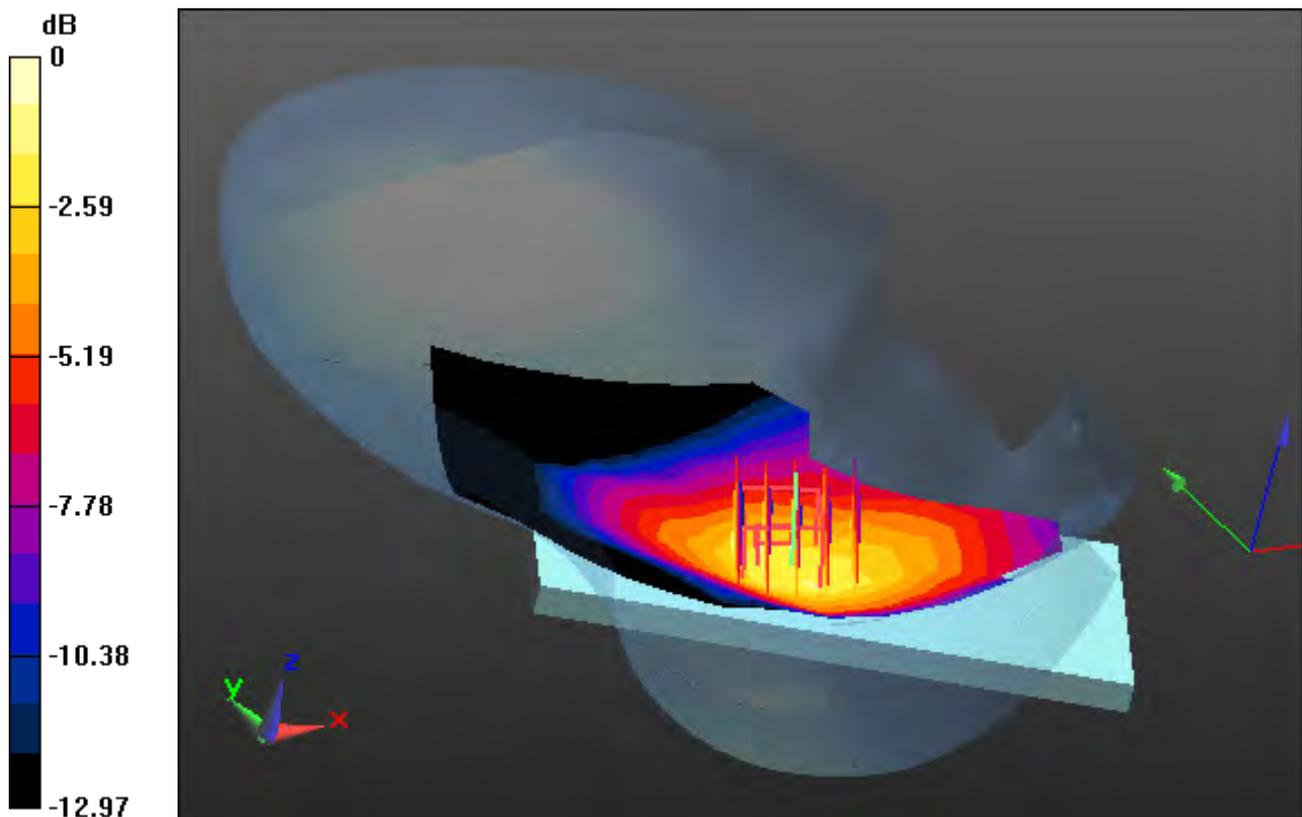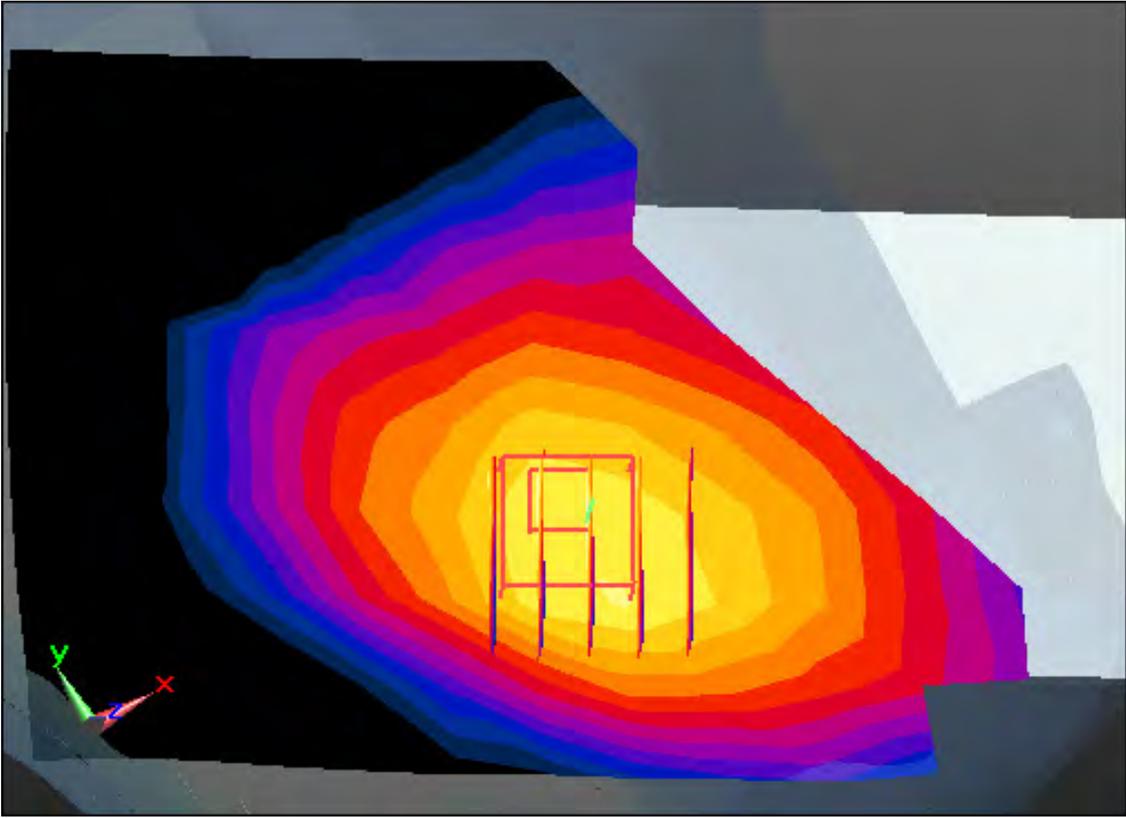
Enlarged Plot for A2

DT&C Co., Ltd.

DUT: LM-G900EM; Type: Bar;

Communication System: UID 0, PCS 1900 (0); Frequency: 1880 MHz; Duty Cycle: 1:8.3
Medium parameters used: f = 1880 MHz; σ = 1.417 S/m; ε_r = 40.717; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(7.85, 7.85, 7.85); Calibrated: 5/28/2019 Electronics: DAE4 Sn1335
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM-twin middle_2013_09_24; Type: QD000P40CD; Serial: 1782
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-02; Ambient Temp: 20.1; Tissue Temp: 20.4

Right 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 = 0.16 dB
Peak SAR (extrapolated) = 0.0580 W/kg
SAR(1 g) = 0.040 W/kg; SAR(10 g) = 0.026 W/kg

0 dB = 0.0490 W/kg

A3
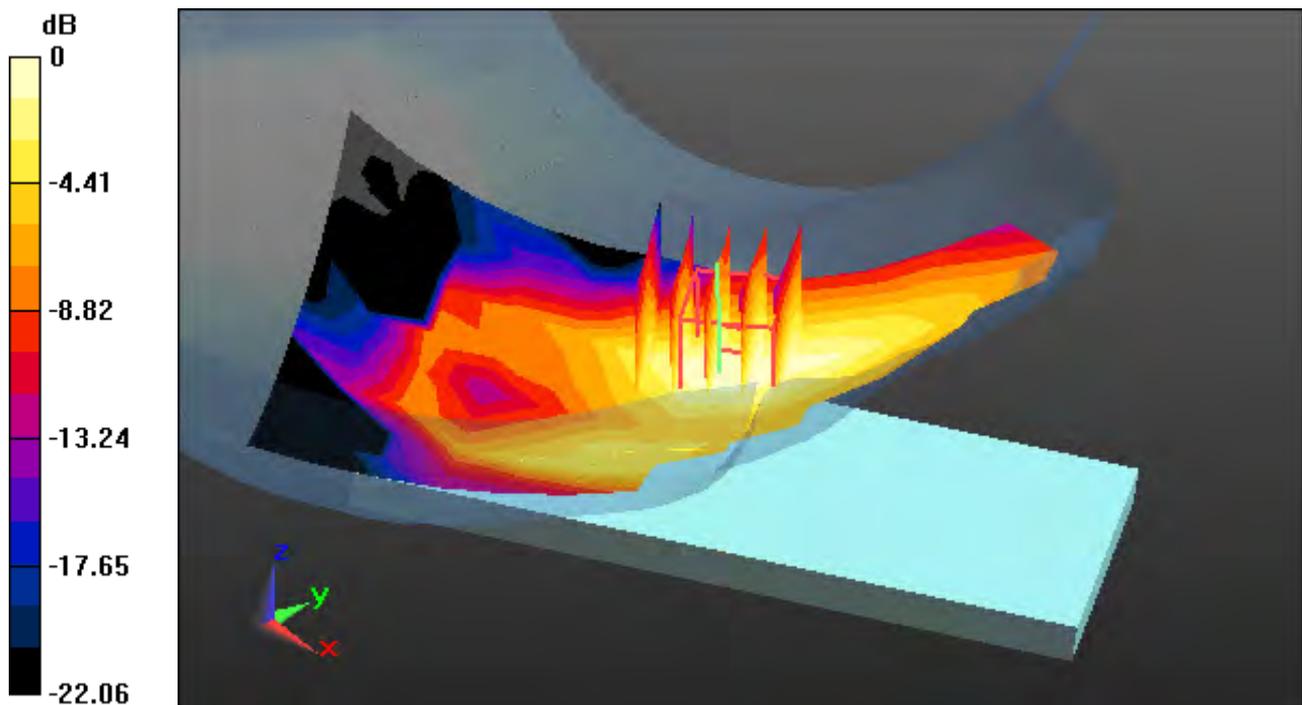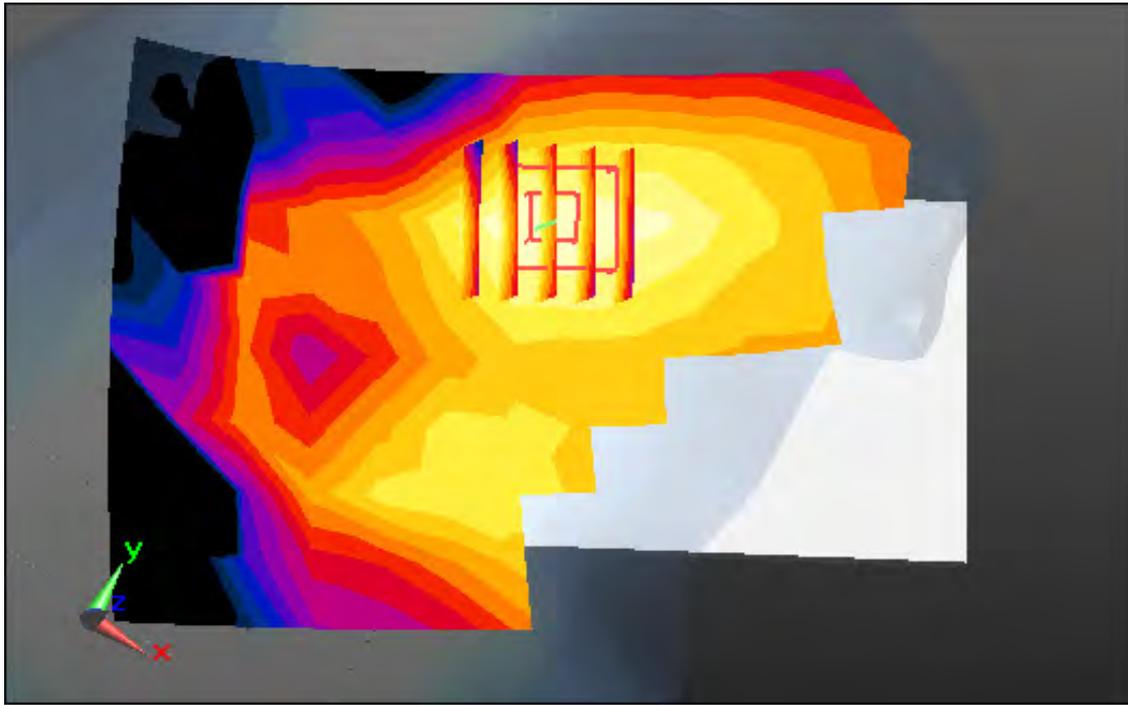
Enlarged Plot for A3

DT&C Co., Ltd.

DUT: LM-G900EM; Type: Bar;

Communication System: UID 0, PCS1900_3 Tx (0); Frequency: 1880 MHz; Duty Cycle: 1:2.77
Medium parameters used: f = 1880 MHz; σ = 1.417 S/m; ε_r = 40.717; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(7.85, 7.85, 7.85); Calibrated: 5/28/2019 Electronics: DAE4 Sn1335
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM-twin middle_2013_09_24; Type: QD000P40CD; Serial: 1782
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-02; Ambient Temp: 20.1; Tissue Temp: 20.4

Right Touch, PCS1900 GPRS 3 Tx 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 = 0.18 dB
Peak SAR (extrapolated) = 0.0870 W/kg
SAR(1 g) = 0.056 W/kg; SAR(10 g) = 0.036 W/kg
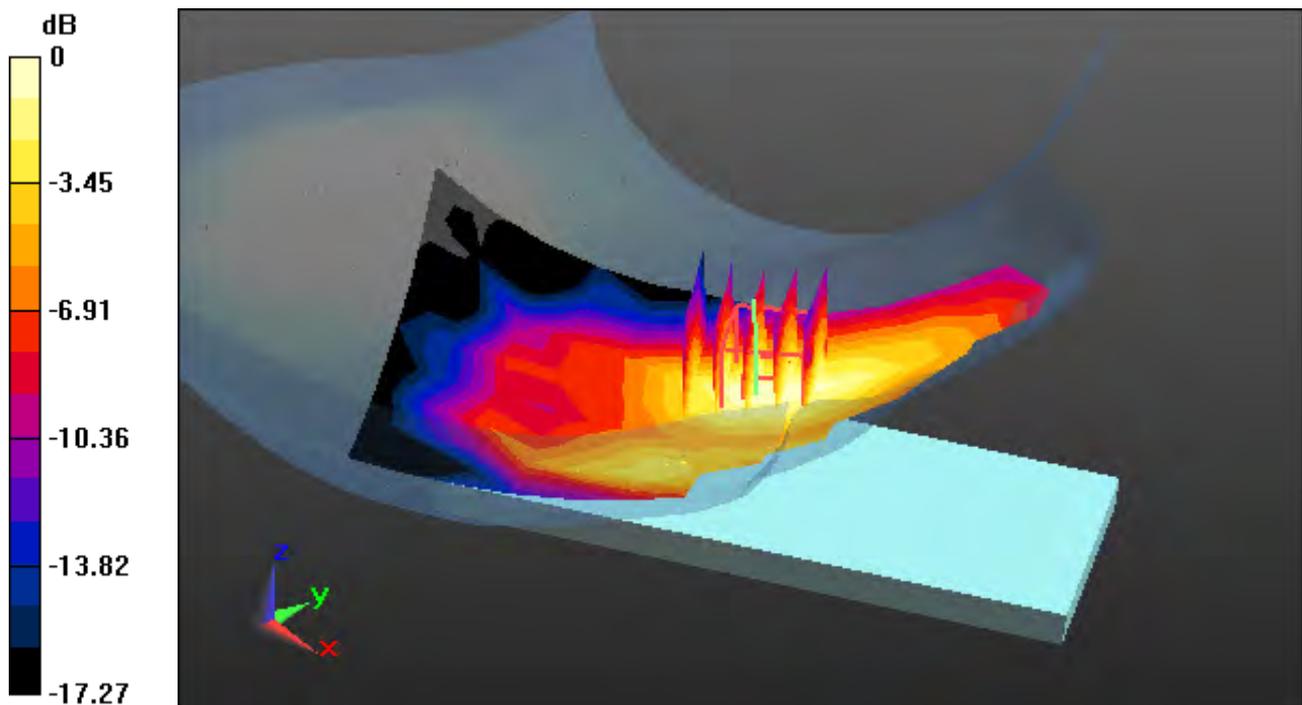
0 dB = 0.0708 W/kg
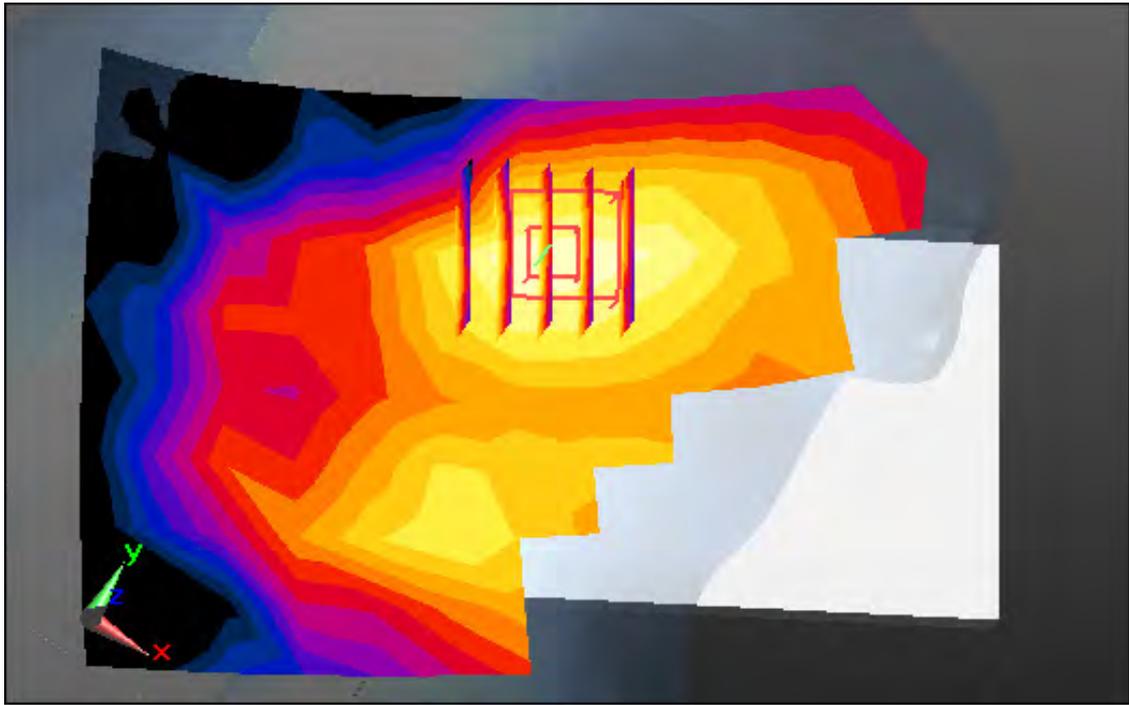
Enlarged Plot for A4

DT&C Co., Ltd.

DUT: LM-G900EM; Type: Bar

Communication System: UID 0, WCDMA 850 (0); Frequency: 836.6 MHz; Duty Cycle: 1:1
Medium parameters used: f = 836.6 MHz; σ = 0.897 S/m; ε_r = 41.347; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(10.32, 10.32, 10.32); Calibrated: 9/27/2019 Electronics: DAE3 Sn520
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2013_10_08_right; Type: QD000P40CD; Serial: TP:1785
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-01; Ambient Temp: 20.8; Tissue Temp: 21.2

Left 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 = 0.09 dB
Peak SAR (extrapolated) = 0.194 W/kg
SAR(1 g) = 0.151 W/kg; SAR(10 g) = 0.114 W/kg

0 dB = 0.174 W/kg

A5
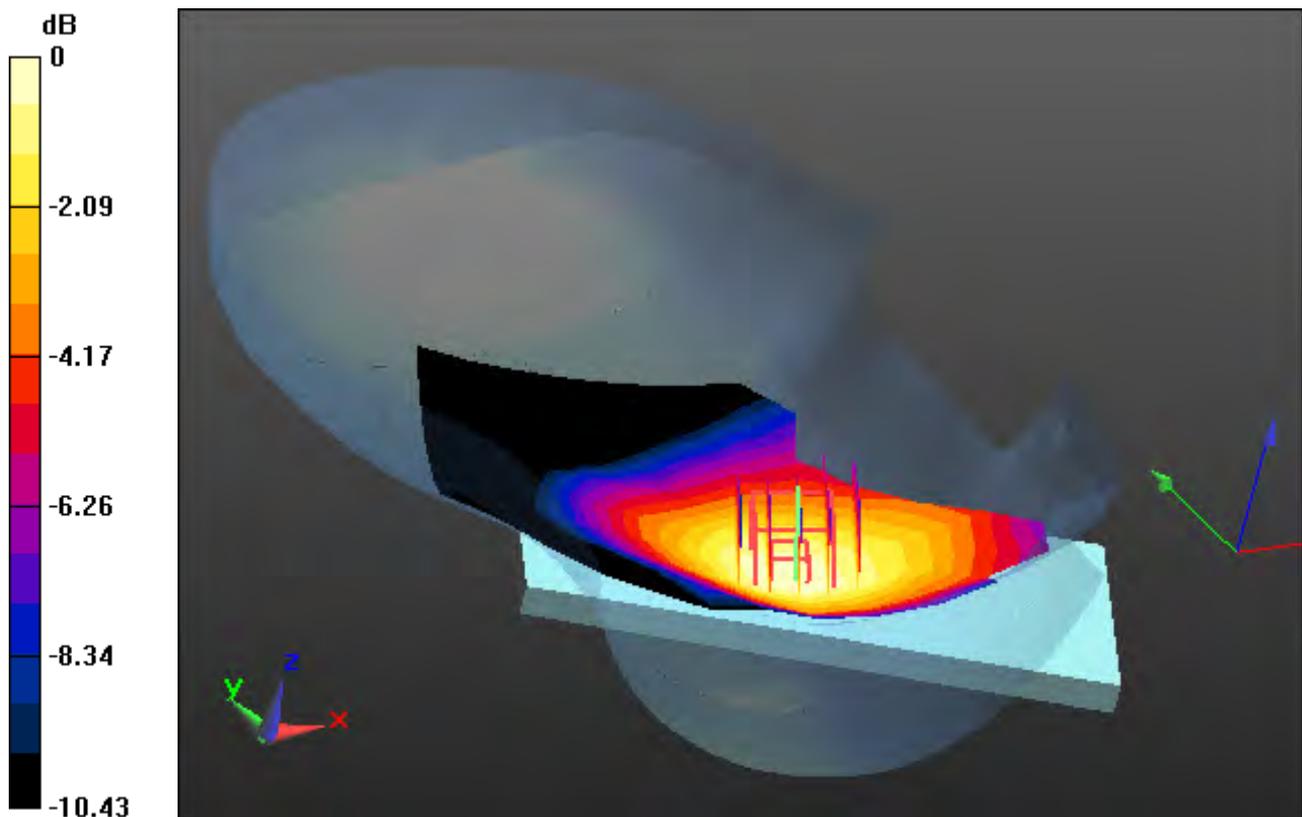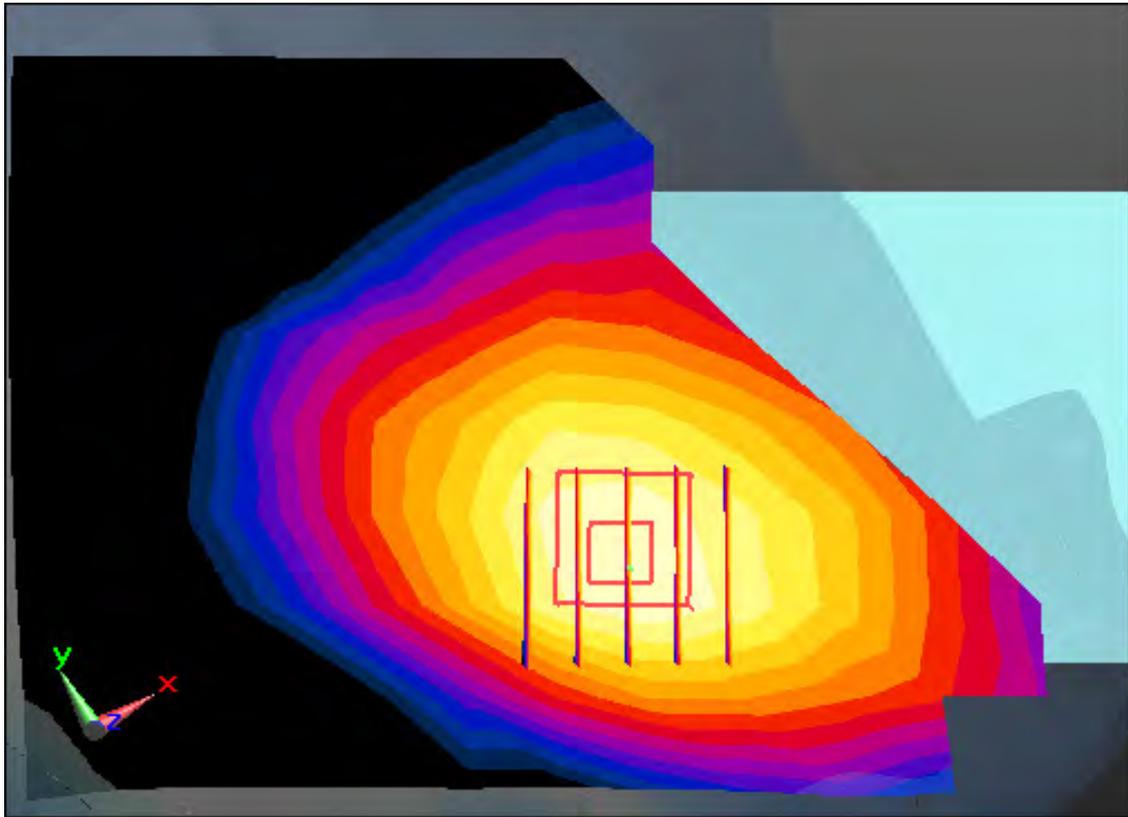
Enlarged Plot for A5

DT&C Co., Ltd.

DUT: LM-G900EM; Type: Bar;

Communication System: UID 0, WCDMA 1900 (0); Frequency: 1880 MHz; Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.417 S/m; ε_r = 40.717; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(7.85, 7.85, 7.85); Calibrated: 5/28/2019 Electronics: DAE4 Sn1335
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM-twin middle_2013_09_24; Type: QD000P40CD; Serial: 1782
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-02; Ambient Temp: 20.1; Tissue Temp: 20.4

Right 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 = 0.14 dB
Peak SAR (extrapolated) = 0.140 W/kg
SAR(1 g) = 0.095 W/kg; SAR(10 g) = 0.061 W/kg

0 dB = 0.118 W/kg

A6
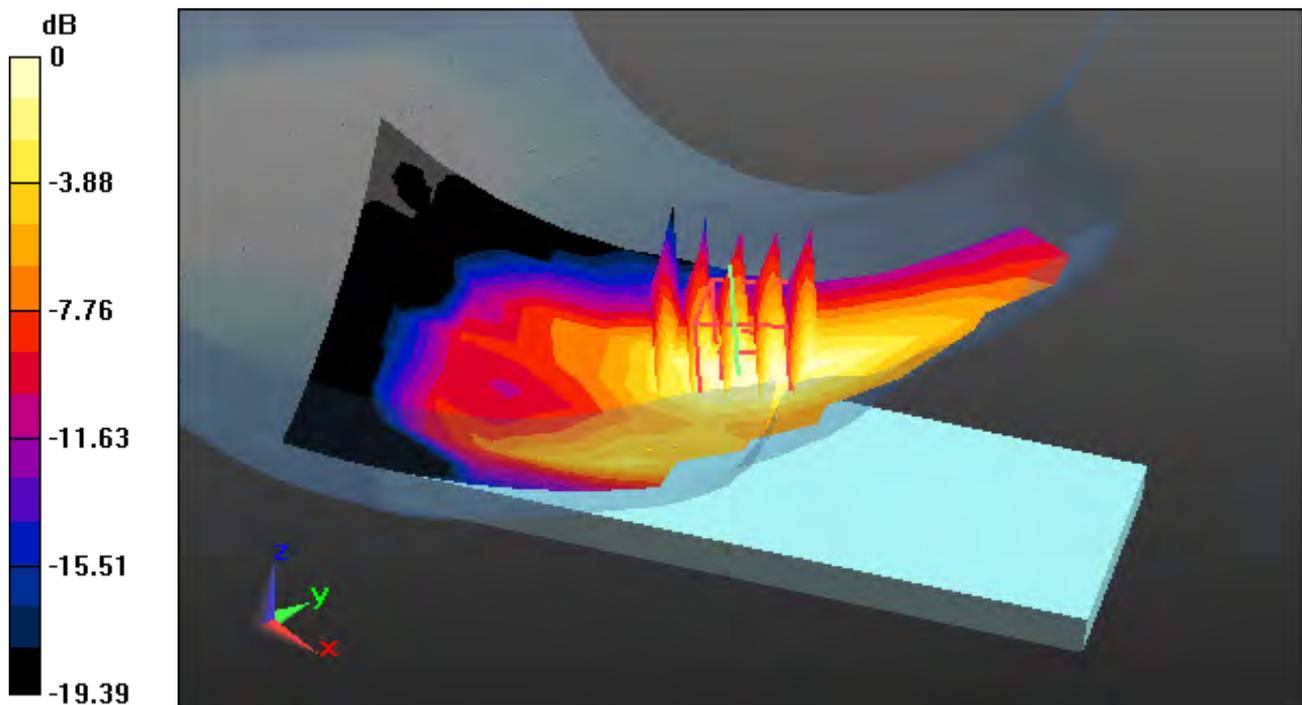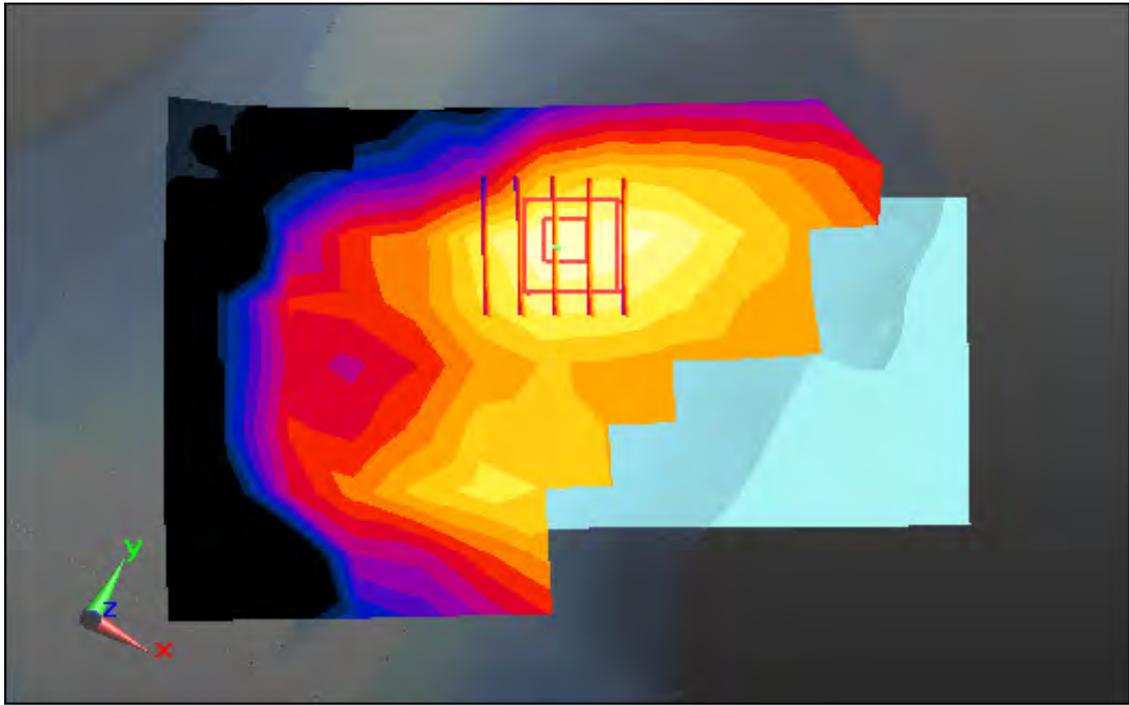
Enlarged Plot for A6

DT&C Co., Ltd.

DUT: LM-G900EM; 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; σ = 0.875 S/m; ε_r = 43.282; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(10.68, 10.68, 10.68); Calibrated: 9/27/2019 Electronics: DAE3 Sn520
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2013_10_08_right; Type: QD000P40CD; Serial: TP:1785
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-03; Ambient Temp: 22.2; Tissue Temp: 22.4

Left 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 = -0.06 dB
Peak SAR (extrapolated) = 0.155 W/kg
SAR(1 g) = 0.129 W/kg; SAR(10 g) = 0.101 W/kg

0 dB = 0.142 W/kg

A7
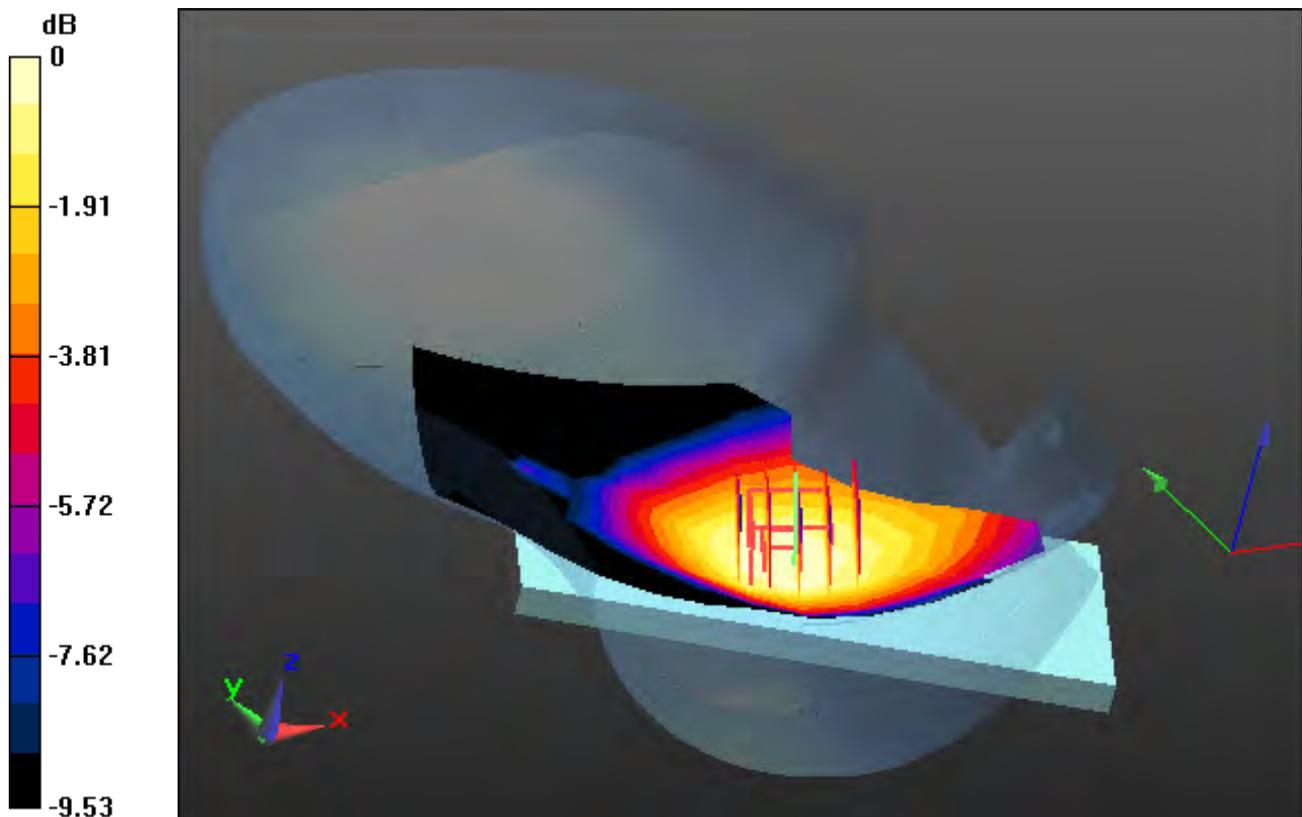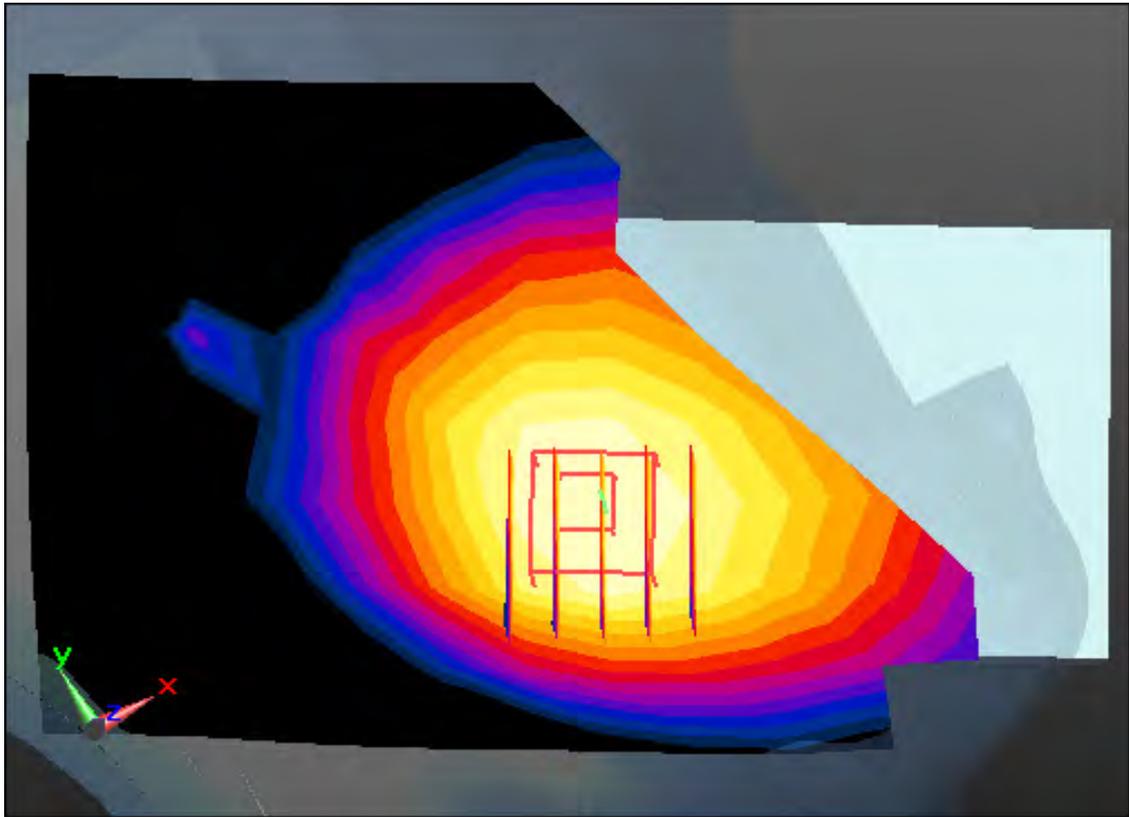
Enlarged Plot for A7

DT&C Co., Ltd.

DUT: LM-G900EM; 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; σ = 0.897 S/m; ε_r = 41.347; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(10.32, 10.32, 10.32); Calibrated: 9/27/2019 Electronics: DAE3 Sn520
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2013_10_08_right; Type: QD000P40CD; Serial: TP:1785
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-01; Ambient Temp: 20.8; Tissue Temp: 21.2

Left 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 = 0.13 dB
Peak SAR (extrapolated) = 0.197 W/kg
SAR(1 g) = 0.156 W/kg; SAR(10 g) = 0.118 W/kg
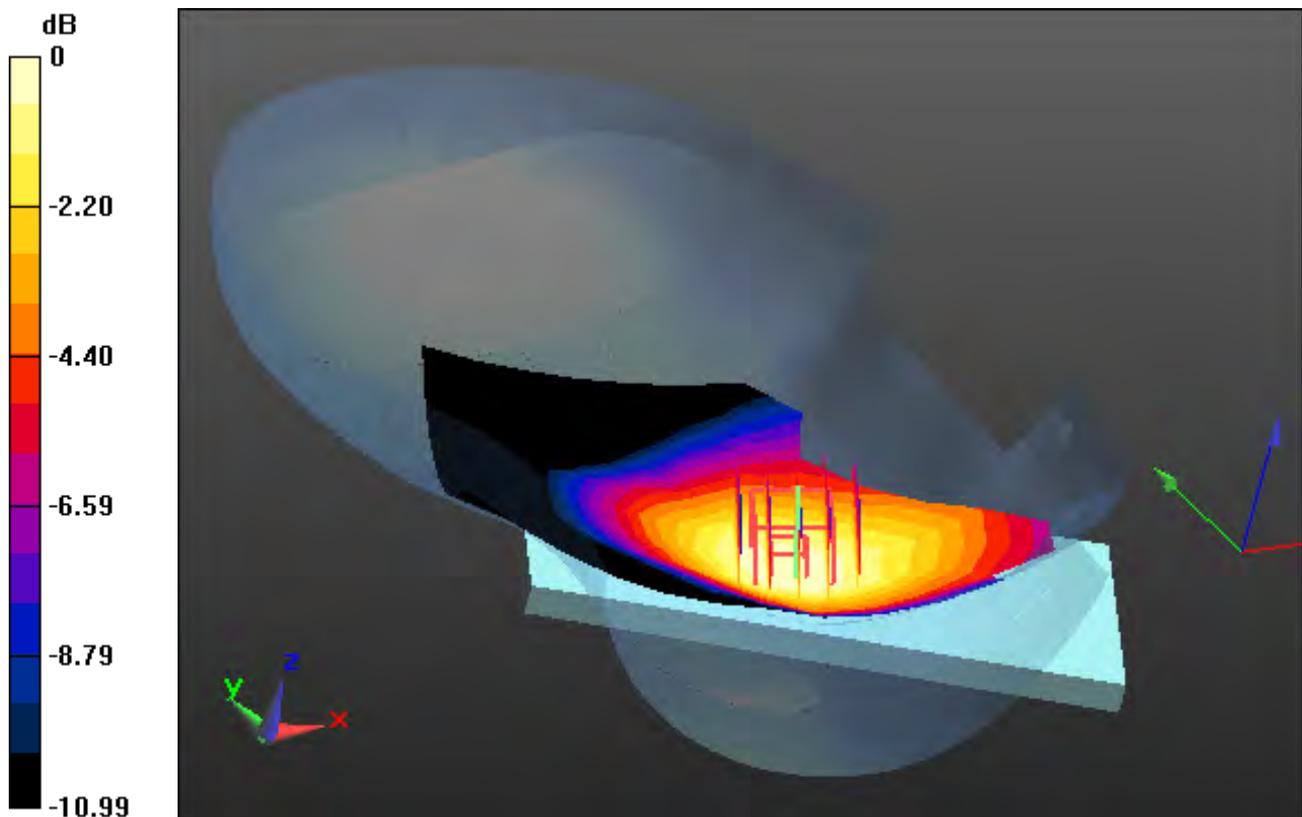
0 dB = 0.177 W/kg
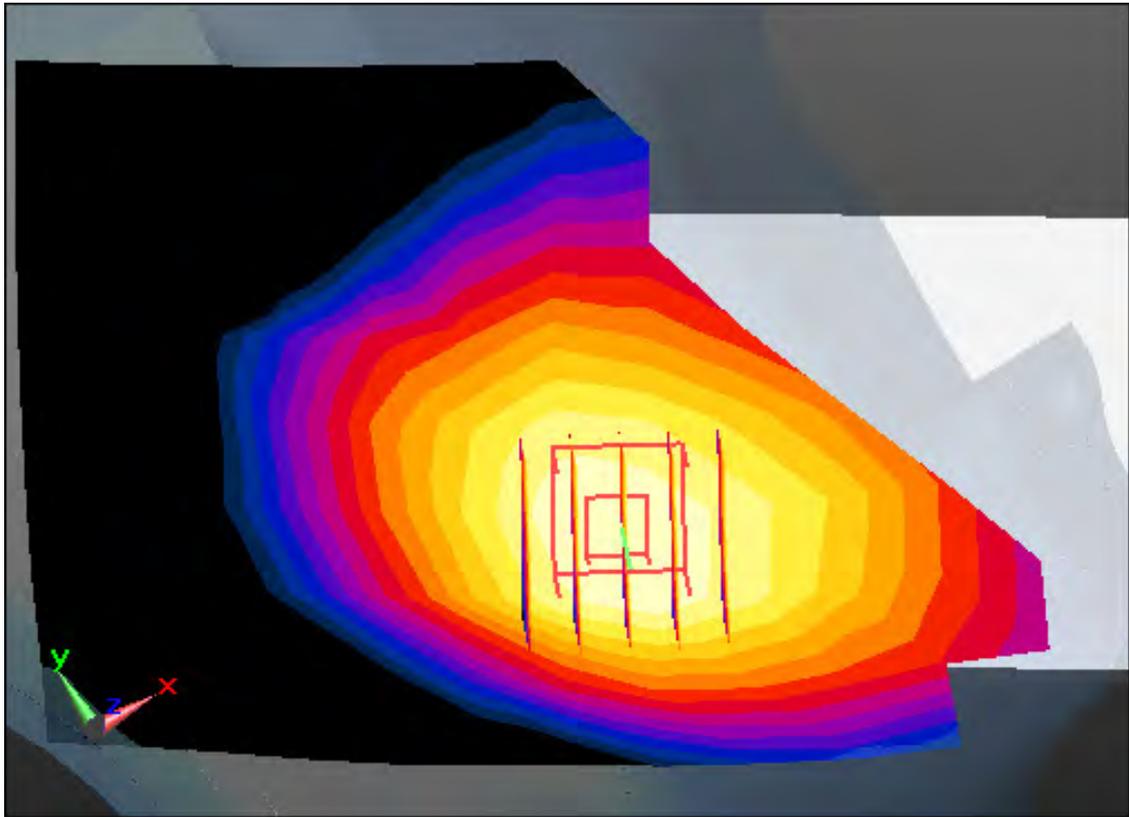
Enlarged Plot for A8

DT&C Co., Ltd.

DUT: LM-G900EM; Type: Bar

Communication System: UID 0, LTE Band 4 (0); Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.378 S/m; ε_r = 38.923; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(8.1, 8.1, 8.1); Calibrated: 5/28/2019 Electronics: DAE4 Sn1335
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM-twin middle_2013_09_24; Type: QD000P40CD; Serial: 1782
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-06; Ambient Temp: 20.1; Tissue Temp: 20.7

Right Touch, LTE Band 4 Ch. 20175, 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 = 0.17 dB
Peak SAR (extrapolated) = 0.150 W/kg
SAR(1 g) = 0.106 W/kg; SAR(10 g) = 0.070 W/kg

0 dB = 0.127 W/kg

A9
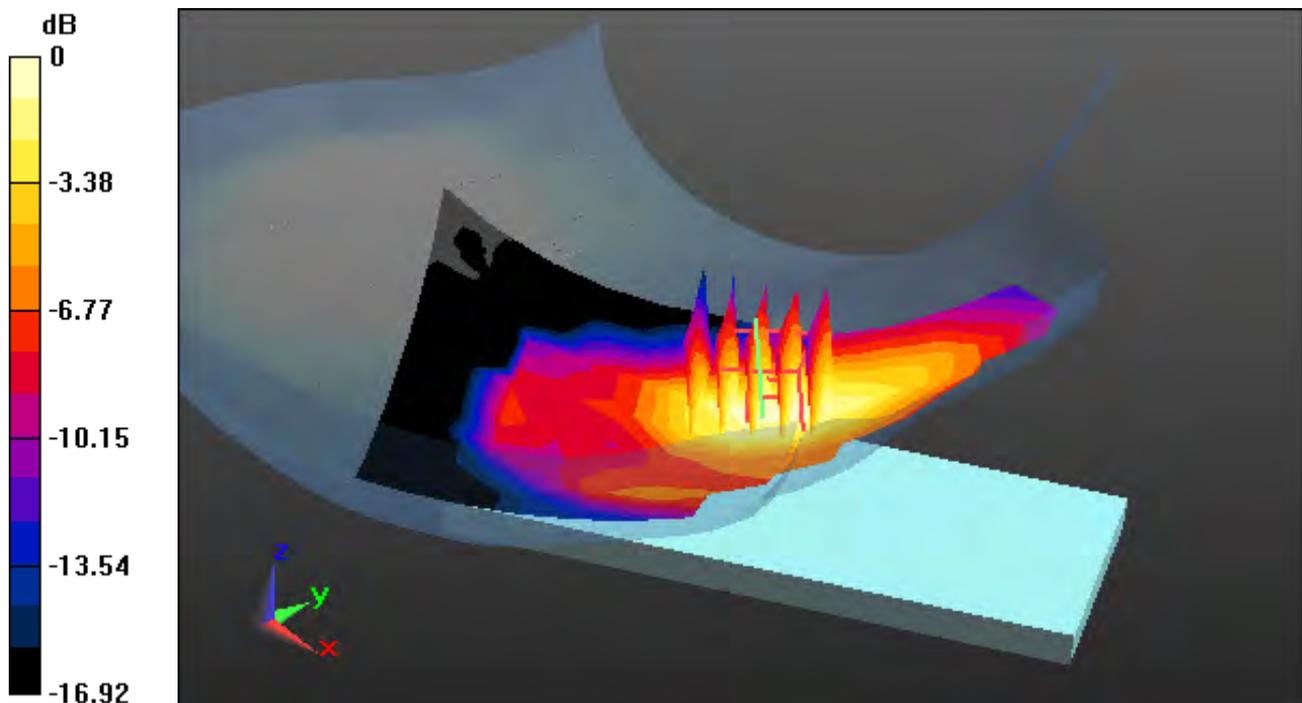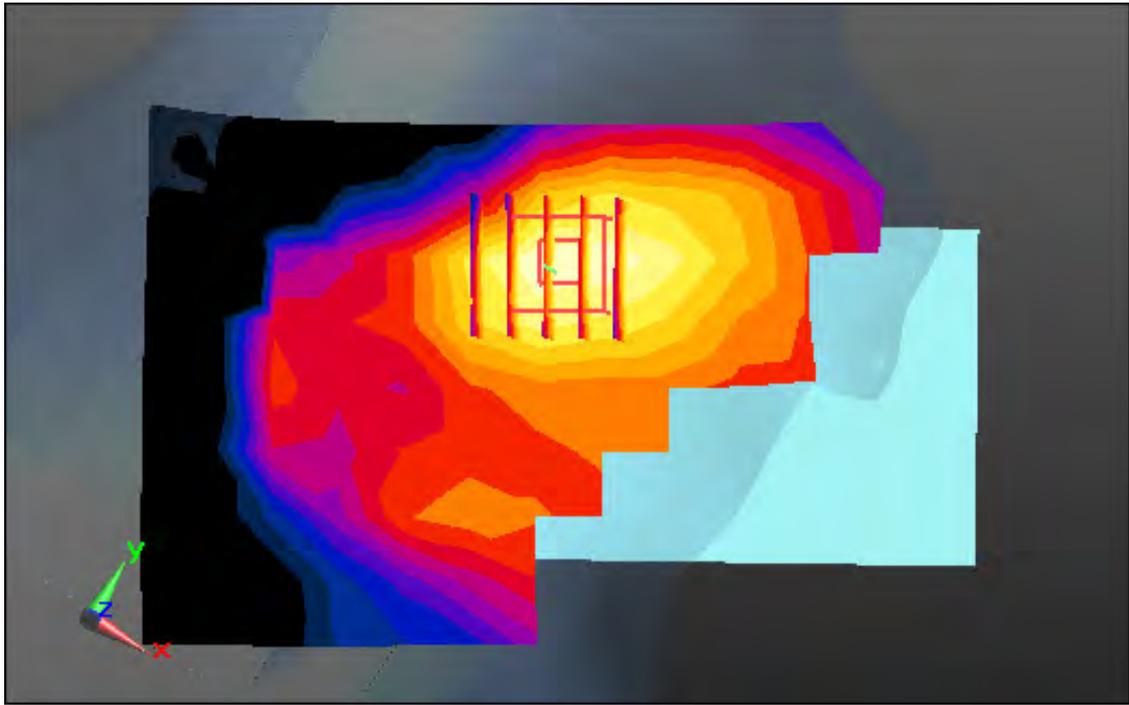
Enlarged Plot for A9

DT&C Co., Ltd.

DUT: LM-G900EM; Type: Bar

Communication System: UID 0, LTE Band 2 (0); Frequency: 1860 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1860 MHz; σ = 1.394 S/m; ε_r = 40.824; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(7.85, 7.85, 7.85); Calibrated: 5/28/2019 Electronics: DAE4 Sn1335
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM-twin middle_2013_09_24; Type: QD000P40CD; Serial: 1782
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-03; Ambient Temp: 21.8; Tissue Temp: 22.0

Right Touch, 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 = 0.14 dB
Peak SAR (extrapolated) = 0.134 W/kg
SAR(1 g) = 0.090 W/kg; SAR(10 g) = 0.057 W/kg

0 dB = 0.107 W/kg

A10
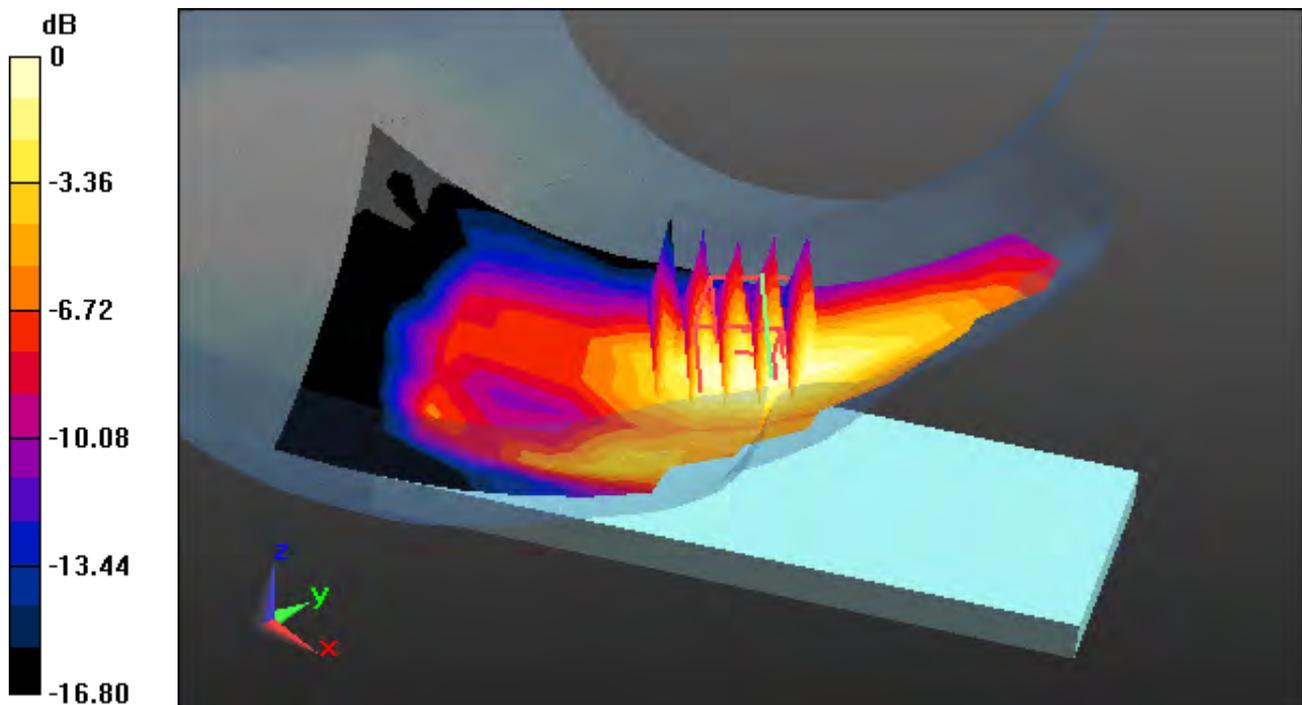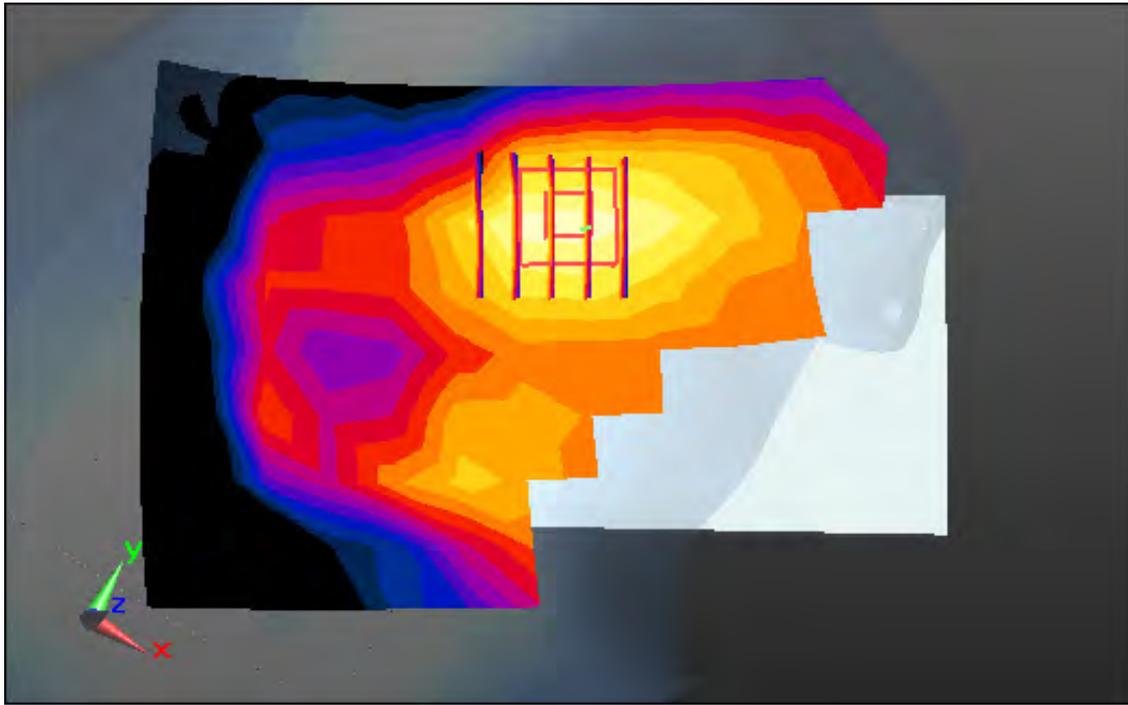
Enlarged Plot for A10

DT&C Co., Ltd.

DUT: LM-G900EM; Type: Bar

Communication System: UID 0, LTE Band 41(TDD) (0); Frequency: 2680 MHz;Duty Cycle: 1:1.58
Medium parameters used: f = 2680 MHz; σ = 2.065 S/m; ε_r = 37.807; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(7.03, 7.03, 7.03); Calibrated: 5/28/2019 Electronics: DAE4 Sn1335
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM-twin middle_2013_09_24; Type: QD000P40CD; Serial: 1782
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-07; Ambient Temp: 20.4; Tissue Temp: 20.6

Left Touch, LTE Band 41 Ch. 41490, 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 = 0.00 dB
Peak SAR (extrapolated) = 0.0790 W/kg
SAR(1 g) = 0.039 W/kg; SAR(10 g) = 0.019 W/kg

0 dB = 0.176 W/kg

A11
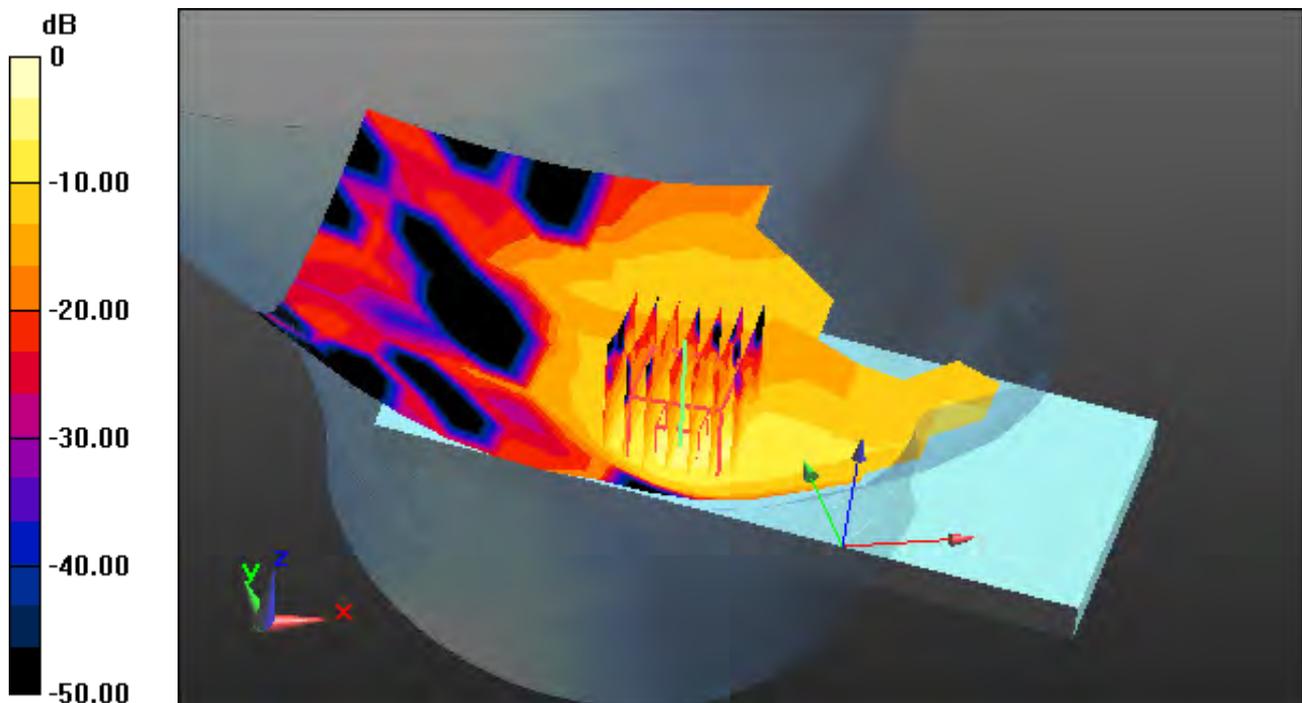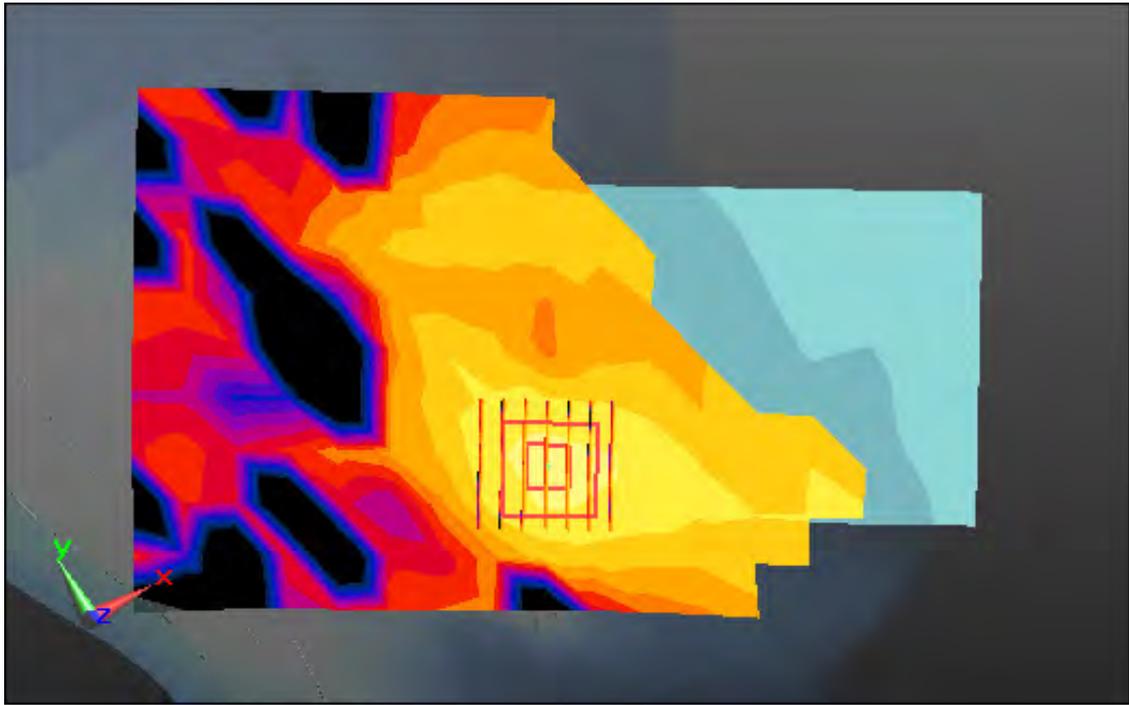
Enlarged Plot for A11

DT&C Co., Ltd.

DUT: LM-G900EM; Type: Bar

Communication System: UID 0, 00_2.4 GHz W-LAN (0); Frequency: 2412 MHz; Duty Cycle: 1:1
Medium parameters used: f = 2412 MHz; σ = 1.808 S/m; ε_r = 38.576; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(7.24, 7.24, 7.24); Calibrated: 5/28/2019 Electronics: DAE4 Sn1335
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM-twin middle_2013_09_24; Type: QD000P40CD; Serial: 1782
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-08; Ambient Temp: 20.3; Tissue Temp: 20.6

## Right Touch, WLAN(802.11b) Ch. 1, Ant Internal, Standard Battery, 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 = -0.18 dB
Peak SAR (extrapolated) = 0.773 W/kg
SAR(1 g) = 0.335 W/kg; SAR(10 g) = 0.145 W/kg

0 dB = 0.774 W/kg

A12
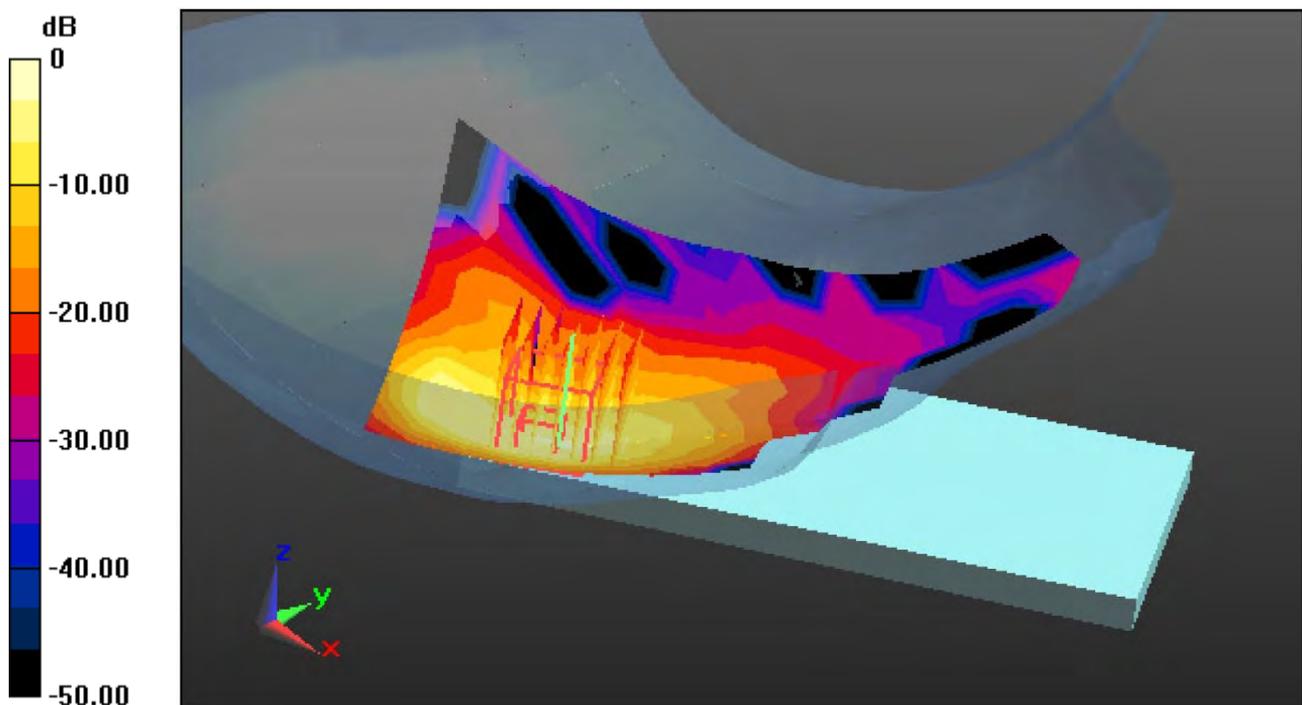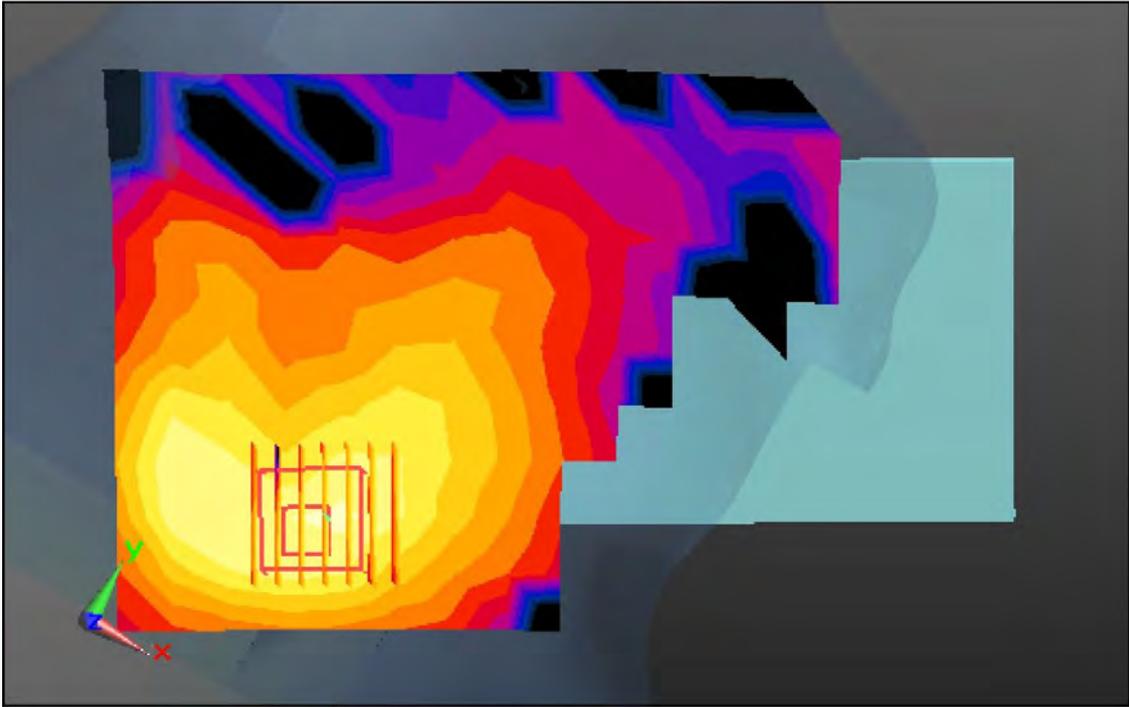
Enlarged Plot for A12

DT&C Co., Ltd.

DUT: LM-G900EM; Type: Bar

Communication System: UID 0, W-LAN (0); Frequency: 2462 MHz; Duty Cycle: 1:1
Medium parameters used: f = 2462 MHz; σ = 1.865 S/m; $ε_r$ = 38.396; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(7.24, 7.24, 7.24); Calibrated: 5/28/2019 Electronics: DAE4 Sn1335
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM-twin middle_2013_09_24; Type: QD000P40CD; Serial: 1782
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-08; Ambient Temp: 20.3; Tissue Temp: 20.6

## Right Touch, WLAN(802.11b) Ch. 11, Ant Internal, Standard Battery, 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 = -0.01 dB
Peak SAR (extrapolated) = 0.840 W/kg
SAR(1 g) = 0.384 W/kg; SAR(10 g) = 0.172 W/kg

0 dB = 0.605 W/kg

A13
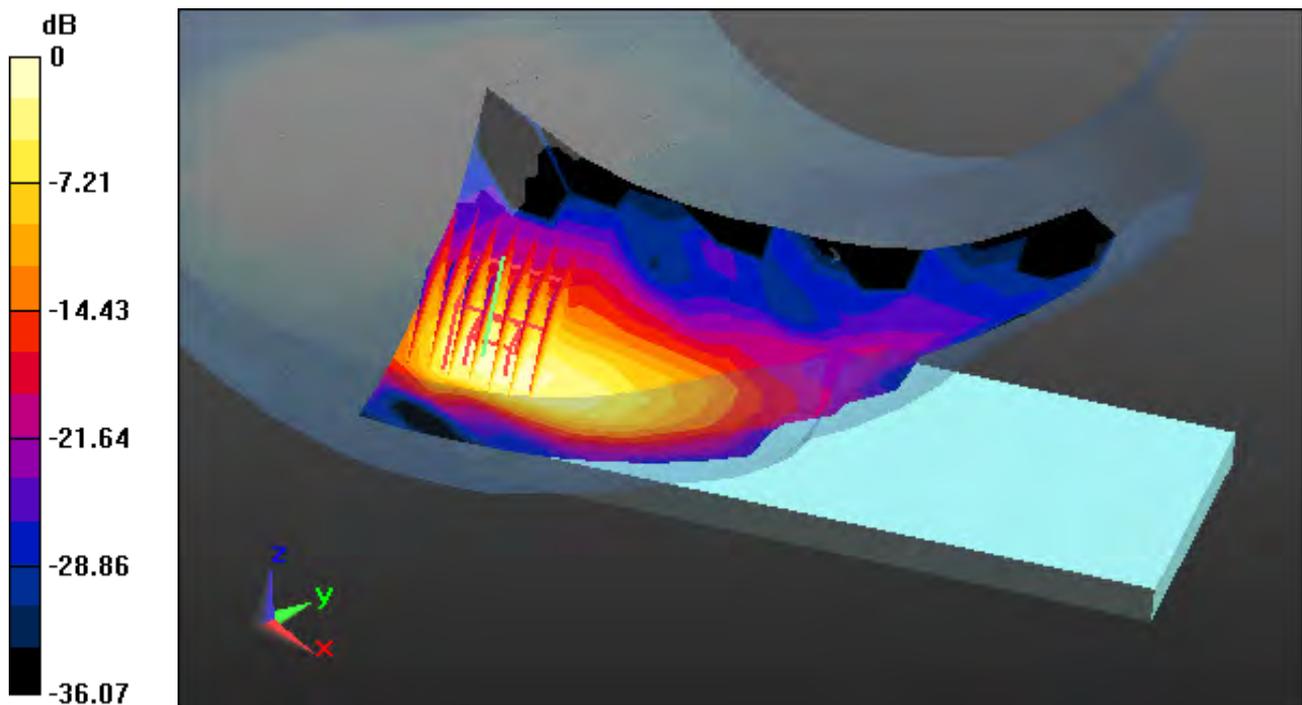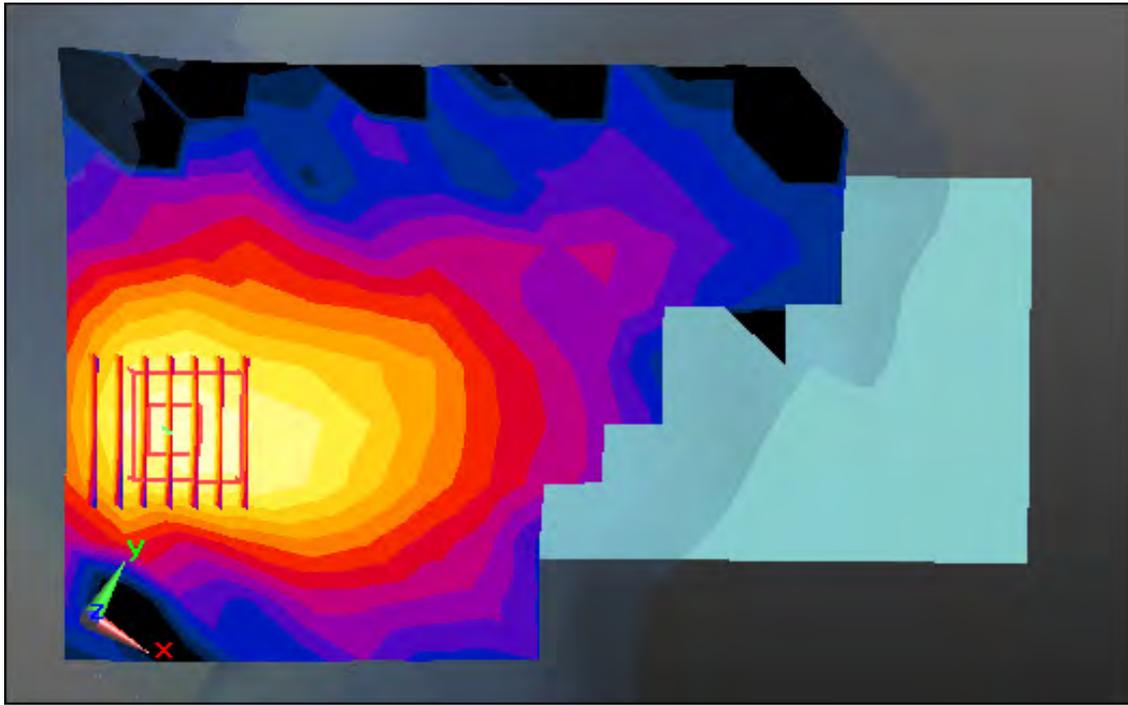
Enlarged Plot for A13

DT&C Co., Ltd.

DUT: LM-G900EM; Type: Bar

Communication System: UID 0, 00_2.4 GHz W-LAN (0); Frequency: 2462 MHz; Duty Cycle: 1:1
Medium parameters used: f = 2462 MHz; σ = 1.865 S/m; ε_r = 38.396; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(7.24, 7.24, 7.24); Calibrated: 5/28/2019 Electronics: DAE4 Sn1335
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM-twin middle_2013_09_24; Type: QD000P40CD; Serial: 1782
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-08; Ambient Temp: 20.3; Tissue Temp: 20.6

## Right Touch, WLAN(802.11g) Ch. 11, Ant Internal, Standard Battery, MIMO

Area Scan (11x17x1): Measurement grid: dx=12mm, dy=12mm
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = 0.14 dB
Peak SAR (extrapolated) = 1.31 W/kg
SAR(1 g) = 0.516 W/kg; SAR(10 g) = 0.248 W/kg

0 dB = 0.875 W/kg

A14
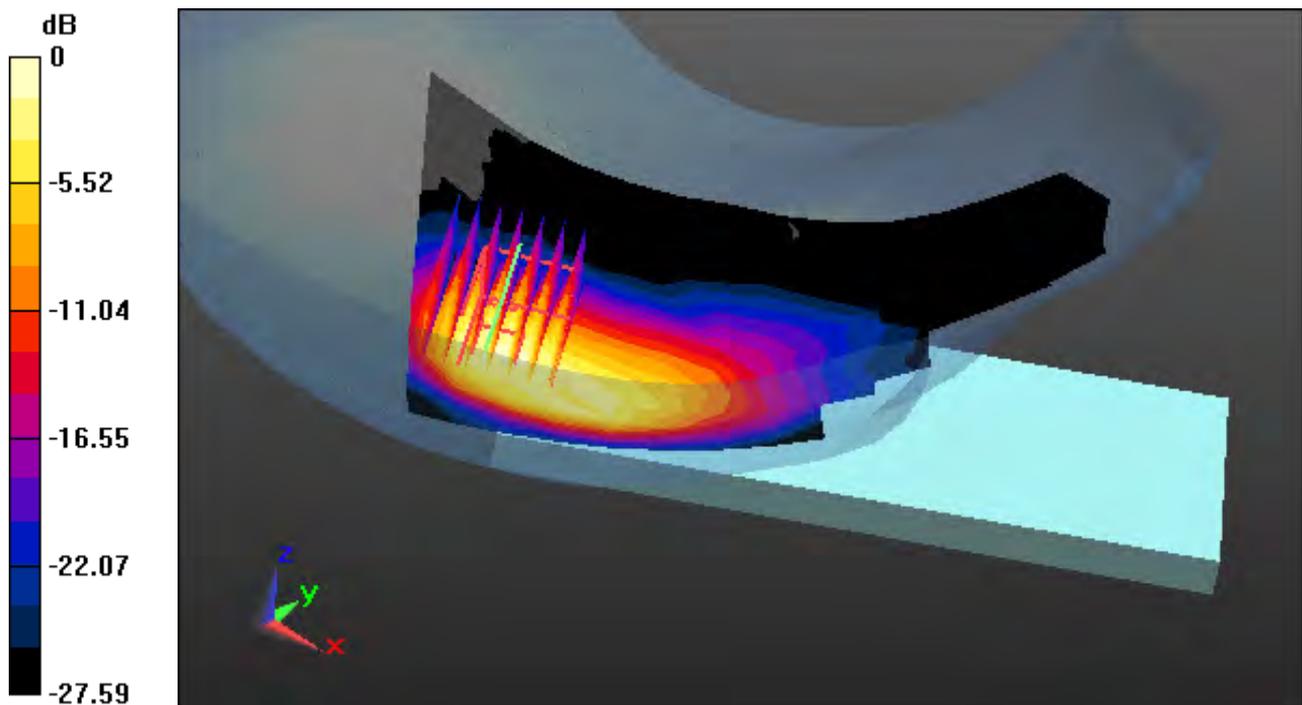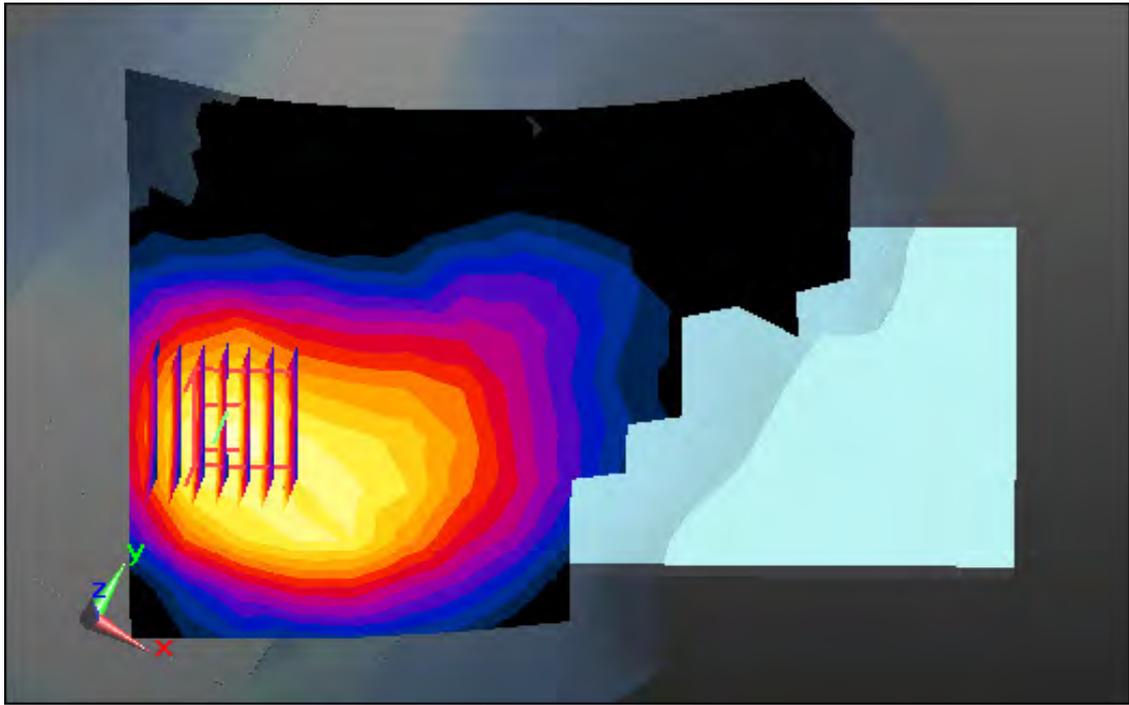
Enlarged Plot for A14

DT&C Co., Ltd.

DUT: LM-G900EM; Type: Bar

Communication System: UID 0, W-LAN_5 GHz(FCC) (0); Frequency: 5320 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5320 MHz; σ = 4.853 S/m; ε_r = 35.062; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(4.92, 4.92, 4.92); Calibrated: 5/28/2019 Electronics: DAE4 Sn1335
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM-twin right_2013_09_24; Type: QD000P40CD; Serial: TP:1783
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-09; Ambient Temp: 21.3; Tissue Temp: 21.1

## Right Touch, WLAN(802.11a) Ch. 64, 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 = 0.11 dB
Peak SAR (extrapolated) = 0.838 W/kg
SAR(1 g) = 0.205 W/kg; SAR(10 g) = 0.068 W/kg

0 dB = 0.494 W/kg

A15
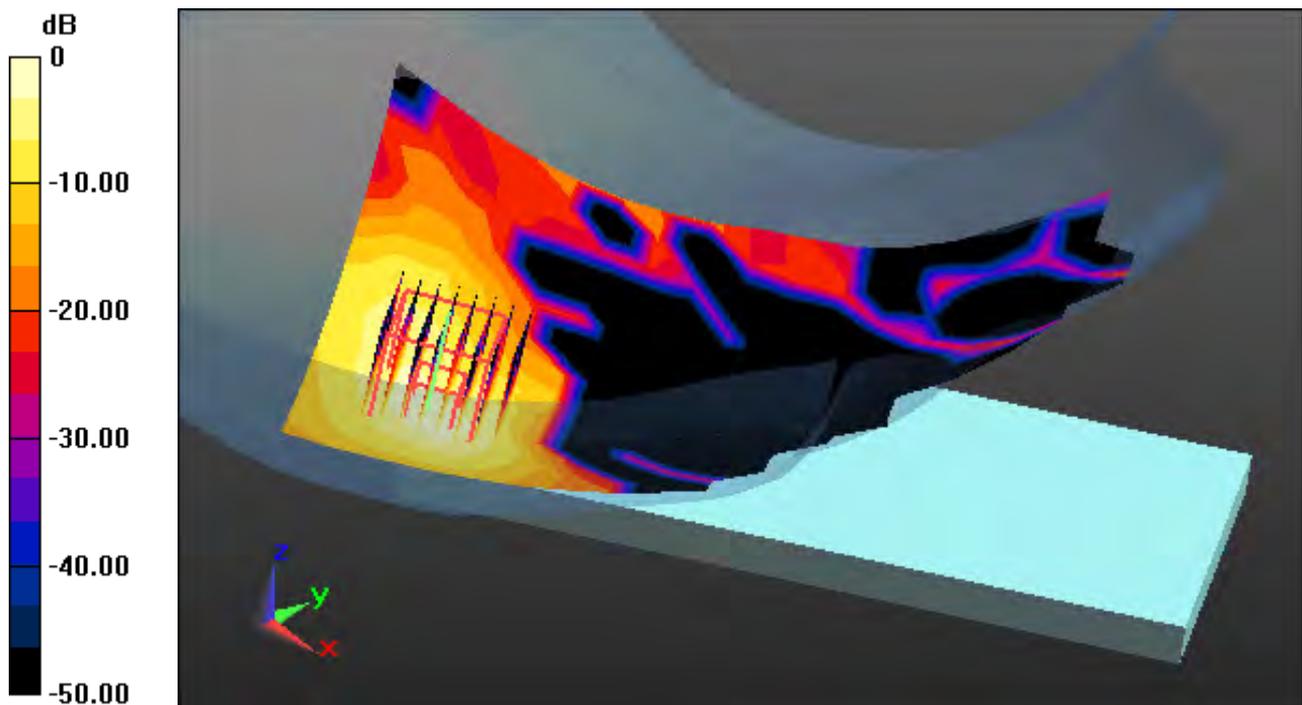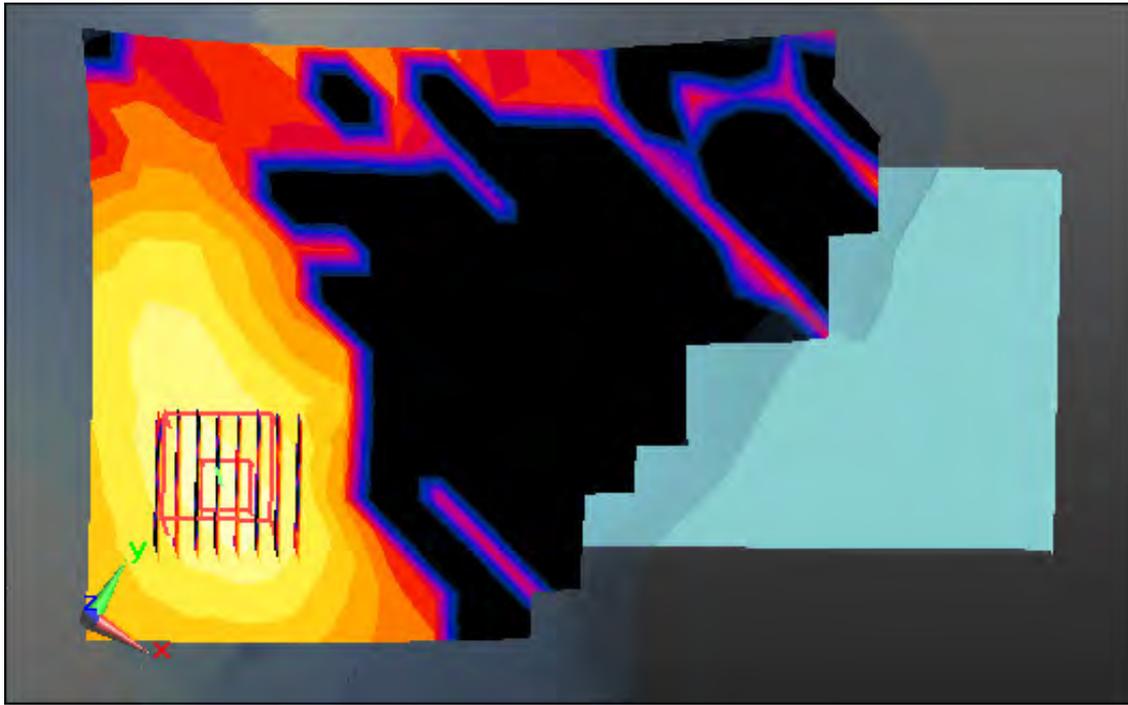
Enlarged Plot for A15

DT&C Co., Ltd.

DUT: LM-G900EM; Type: Bar

Communication System: UID 0, W-LAN_5 GHz(FCC) (0); Frequency: 5280 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5280 MHz; σ = 4.808 S/m; ε_r = 35.121; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(4.92, 4.92, 4.92); Calibrated: 5/28/2019 Electronics: DAE4 Sn1335
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM-twin right_2013_09_24; Type: QD000P40CD; Serial: TP:1783
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-09; Ambient Temp: 21.3; Tissue Temp: 21.1

**Right Touch, WLAN(802.11a) Ch. 56, Ant Internal, Standard Battery, Ant.2**

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 = -0.16 dB
Peak SAR (extrapolated) = 0.825 W/kg
SAR(1 g) = 0.204 W/kg; SAR(10 g) = 0.067 W/kg

0 dB = 0.496 W/kg

A16
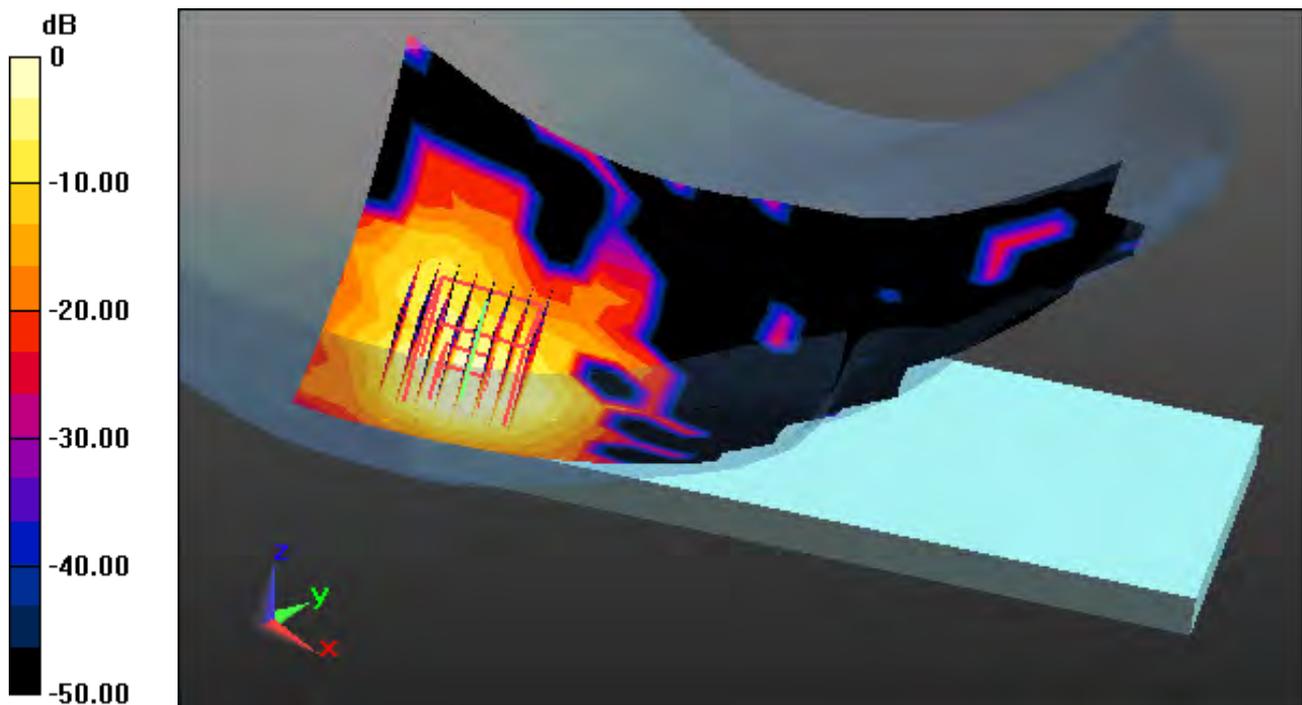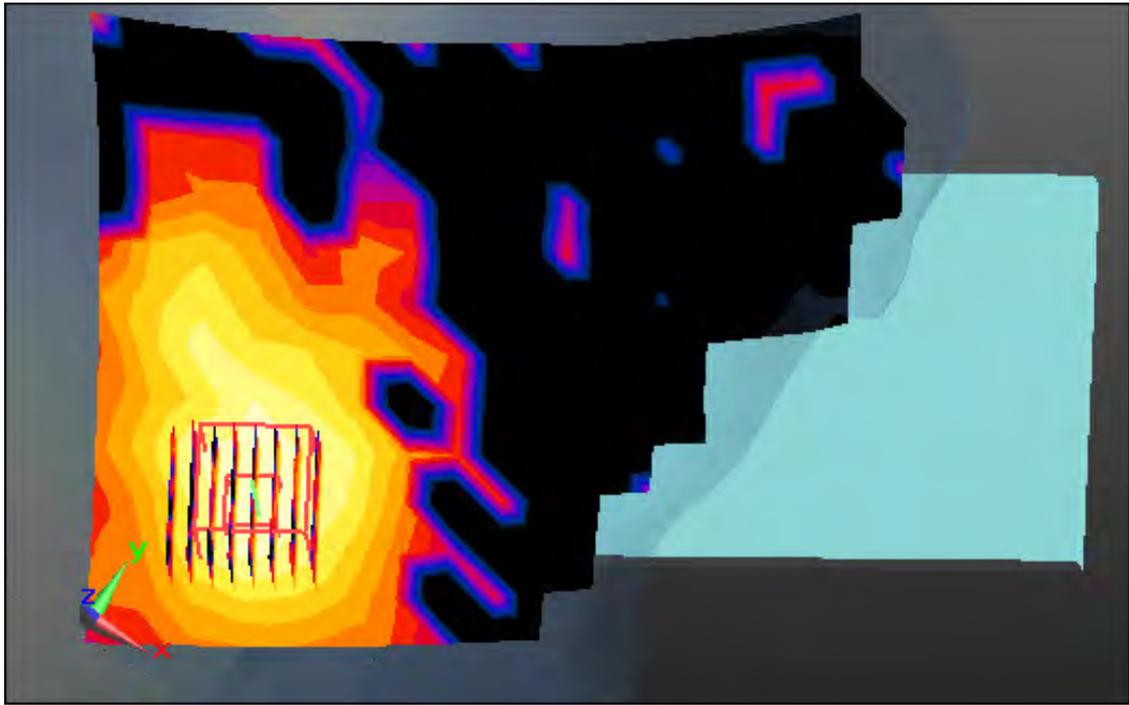
Enlarged Plot for A16

DT&C Co., Ltd.

DUT: LM-G900EM; Type: Bar

Communication System: UID 0, W-LAN_5 GHz(FCC) (0); Frequency: 5280 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5280 MHz; σ = 4.808 S/m; ε_r = 35.121; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(4.92, 4.92, 4.92); Calibrated: 5/28/2019 Electronics: DAE4 Sn1335
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM-twin right_2013_09_24; Type: QD000P40CD; Serial: TP:1783
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-09; Ambient Temp: 21.3; Tissue Temp: 21.1

## Right Touch, WLAN(802.11a) Ch. 56, Ant Internal, Standard Battery, MIMO

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 = 0.17 dB
Peak SAR (extrapolated) = 1.63 W/kg
SAR(1 g) = 0.413 W/kg; SAR(10 g) = 0.142 W/kg
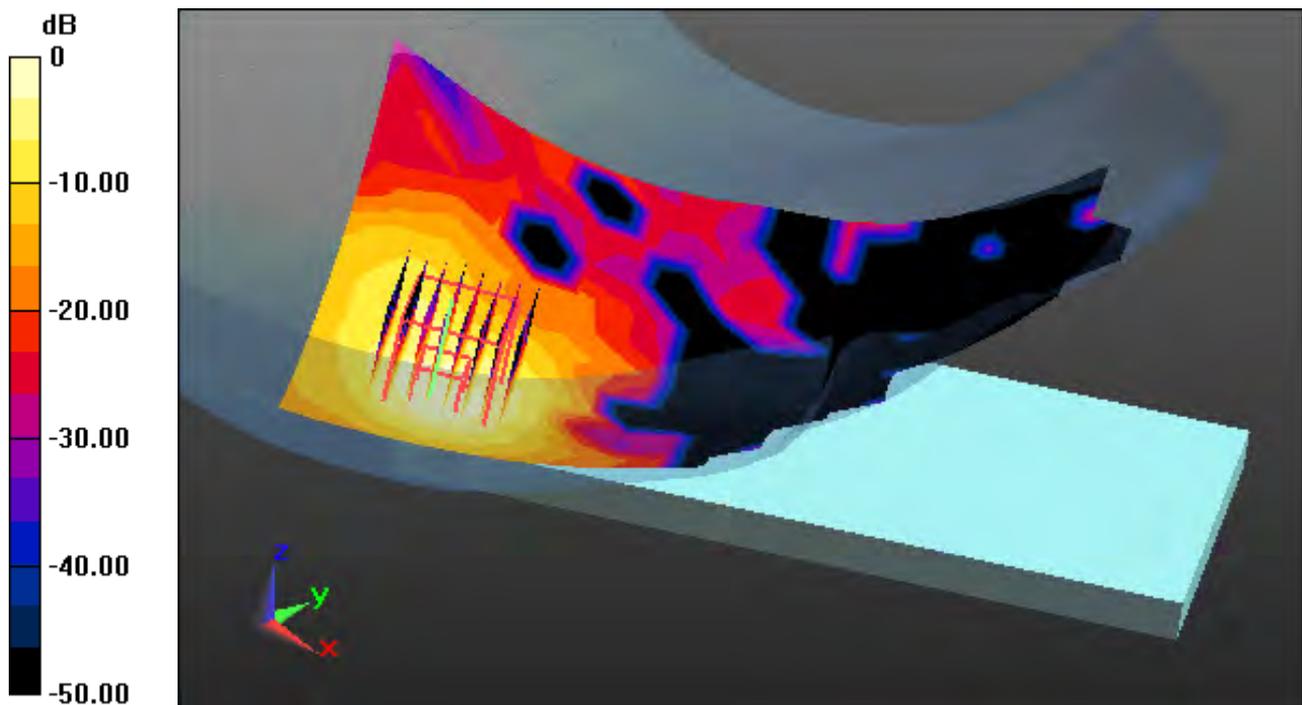
0 dB = 1.01 W/kg
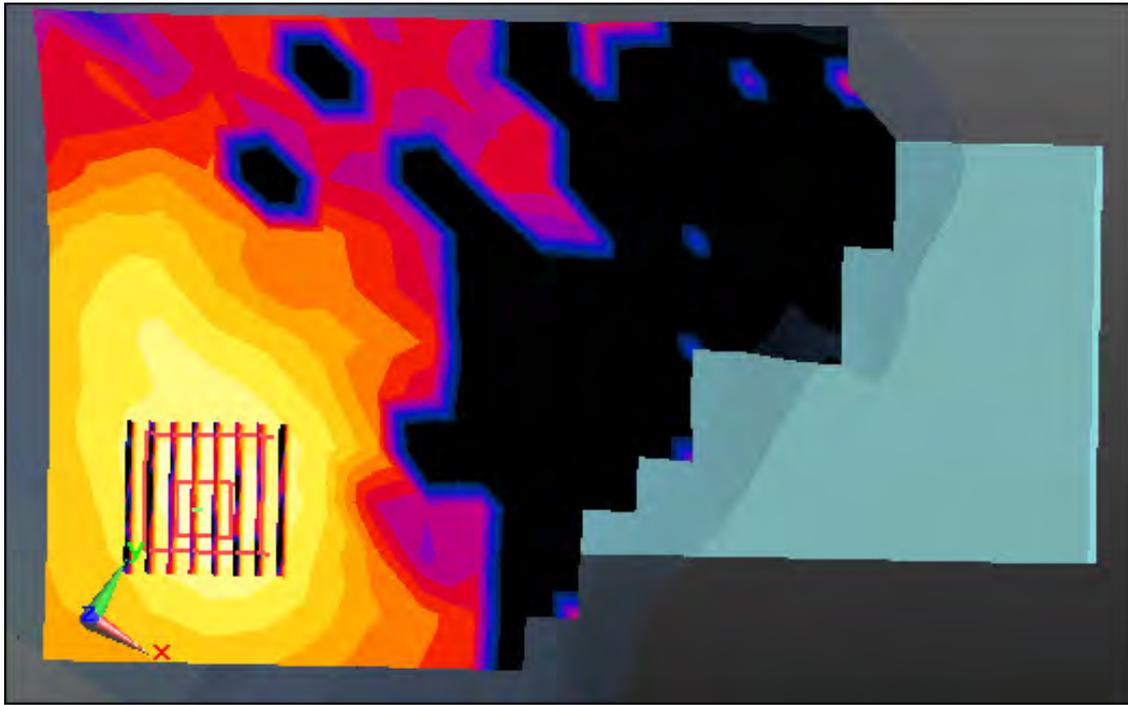
Enlarged Plot for A17

DT&C Co., Ltd.

DUT: LM-G900EM; 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; σ = 5.066 S/m; ε_r = 35.881; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(4.55, 4.55, 4.55); Calibrated: 5/28/2019 Electronics: DAE4 Sn1335
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM-twin right_2013_09_24; Type: QD000P40CD; Serial: TP:1783
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-10; Ambient Temp: 21.8; Tissue Temp: 21.5

## Right Touch, WLAN(802.11a) 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 = 0.13 dB
Peak SAR (extrapolated) = 0.526 W/kg
SAR(1 g) = 0.109 W/kg; SAR(10 g) = 0.035 W/kg
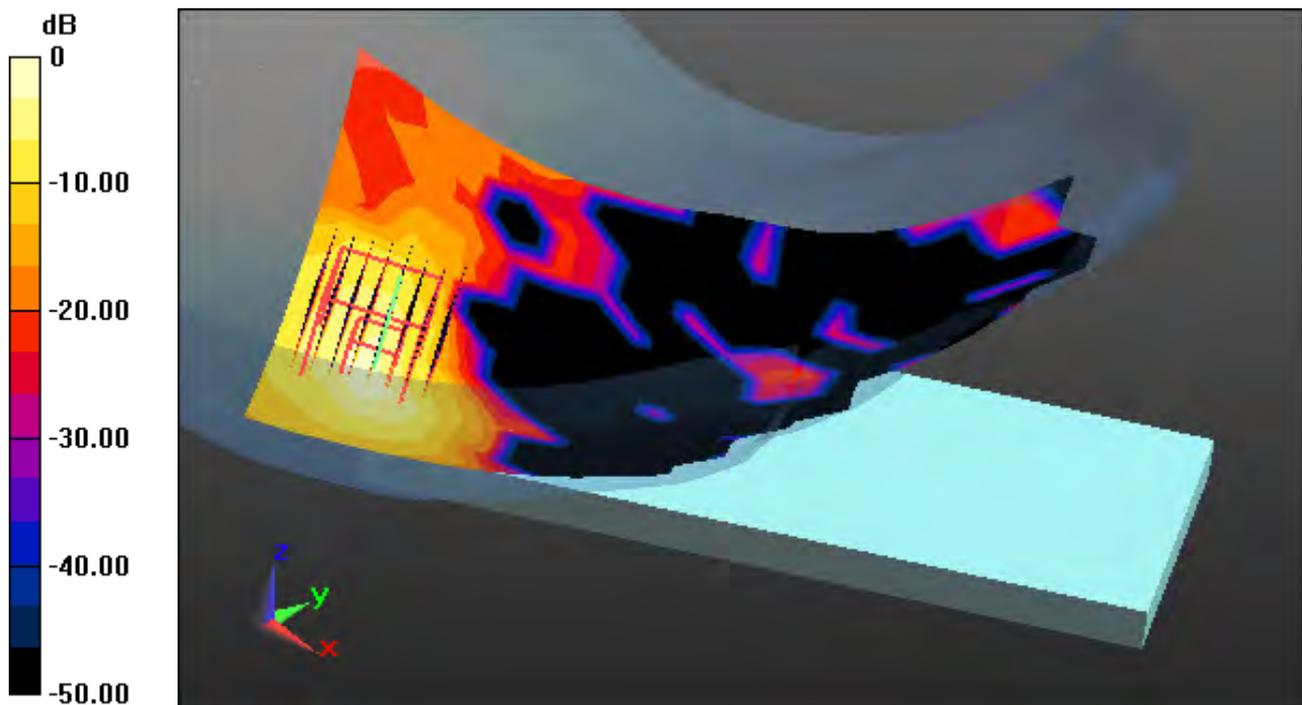
0 dB = 0.420 W/kg
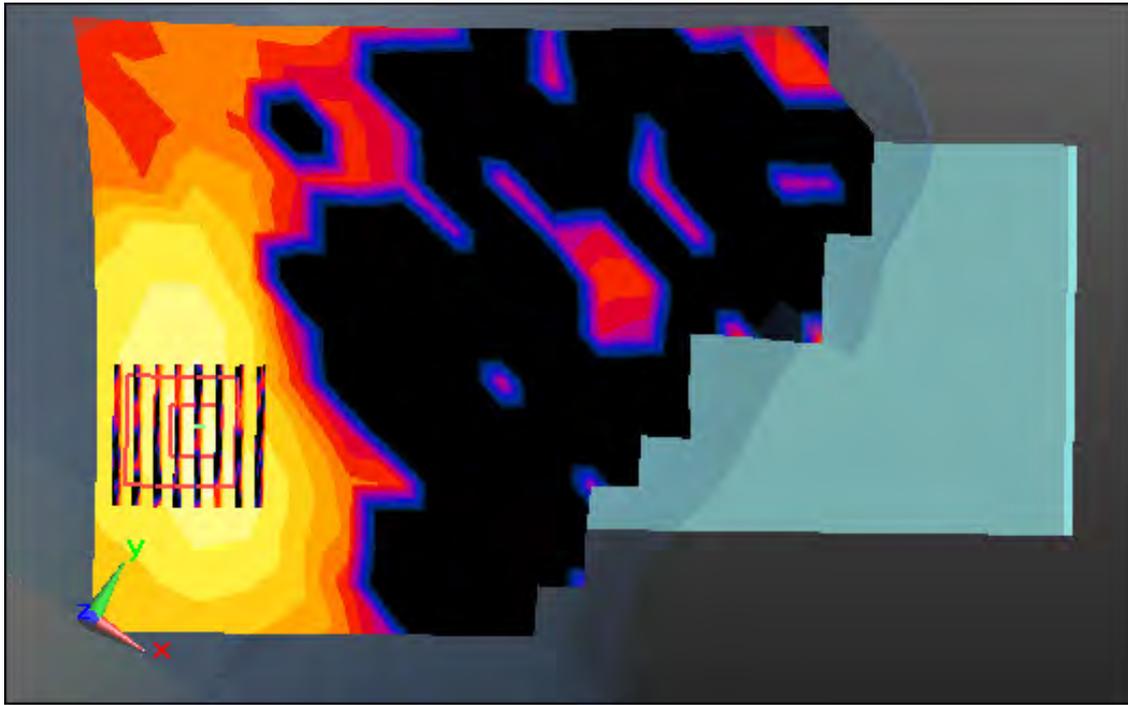
Enlarged Plot for A18

DT&C Co., Ltd.

DUT: LM-G900EM; Type: Bar

Communication System: UID 0, W-LAN_5 GHz(FCC) (0); Frequency: 5720 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5720 MHz; σ = 5.317 S/m; $ε_r$ = 35.522; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(4.62, 4.62, 4.62); Calibrated: 5/28/2019 Electronics: DAE4 Sn1335
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM-twin right_2013_09_24; Type: QD000P40CD; Serial: TP:1783
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-10; Ambient Temp: 21.8; Tissue Temp: 21.5

Right Touch, WLAN(802.11a) Ch. 144, Ant Internal, Standard Battery, Ant.2

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 = -0.07 dB
Peak SAR (extrapolated) = 1.01 W/kg
SAR(1 g) = 0.237 W/kg; SAR(10 g) = 0.078 W/kg
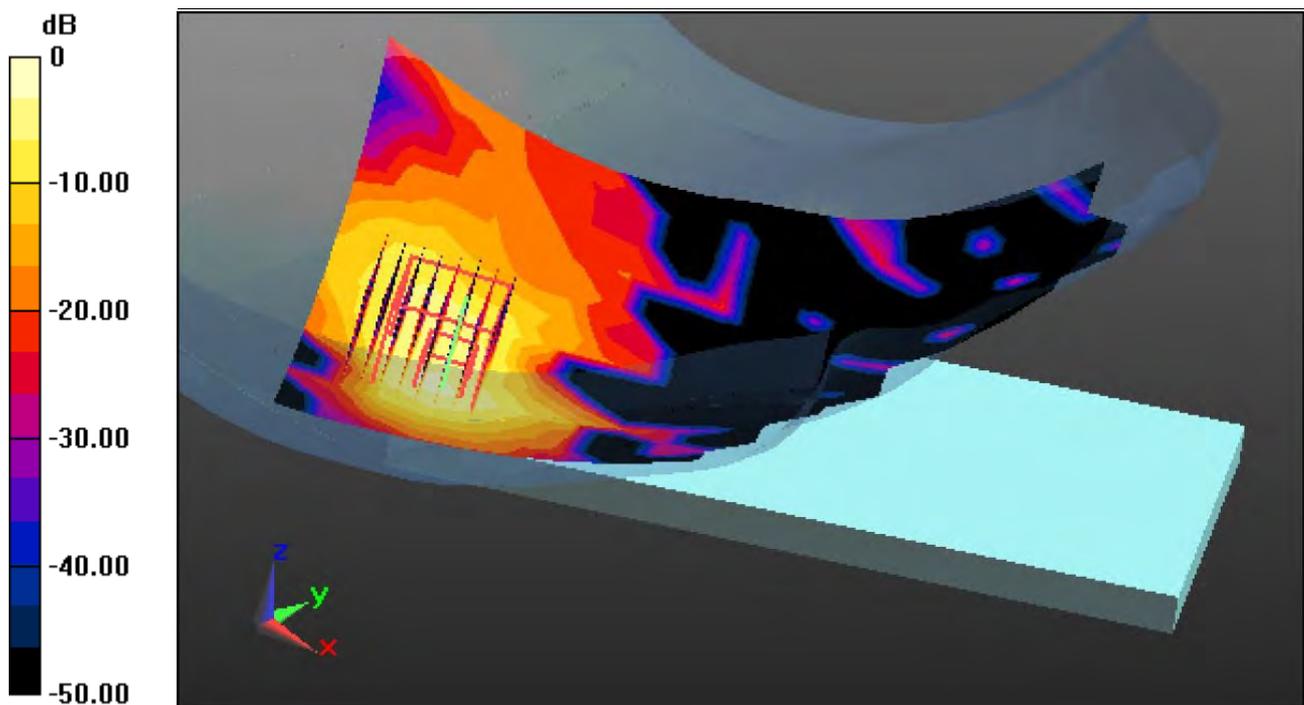
0 dB = 1.00 W/kg
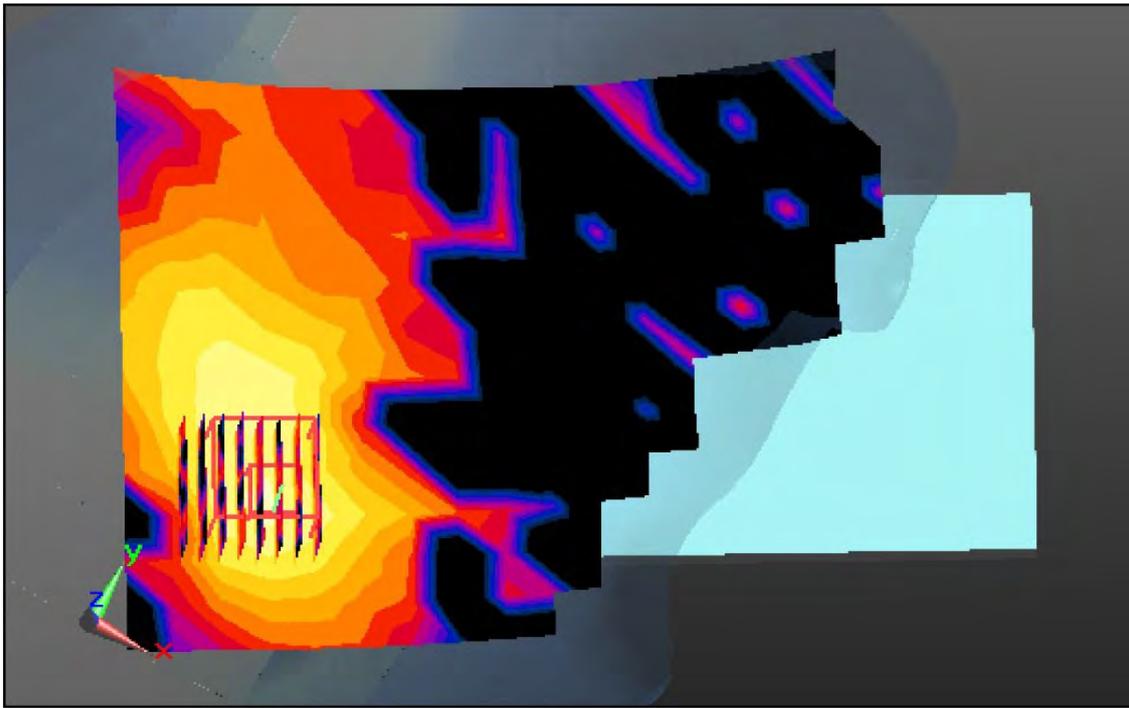
Enlarged Plot for A19

DT&C Co., Ltd.

DUT: LM-G900EM; 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; σ = 5.066 S/m; ε_r = 35.881; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(4.55, 4.55, 4.55); Calibrated: 5/28/2019 Electronics: DAE4 Sn1335
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM-twin right_2013_09_24; Type: QD000P40CD; Serial: TP:1783
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-10; Ambient Temp: 21.8; Tissue Temp: 21.5

## Right Touch, WLAN(802.11a) Ch. 100, Ant Internal, Standard Battery, MIMO

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 = 0.08 dB
Peak SAR (extrapolated) = 2.07 W/kg
SAR(1 g) = 0.500 W/kg; SAR(10 g) = 0.167 W/kg
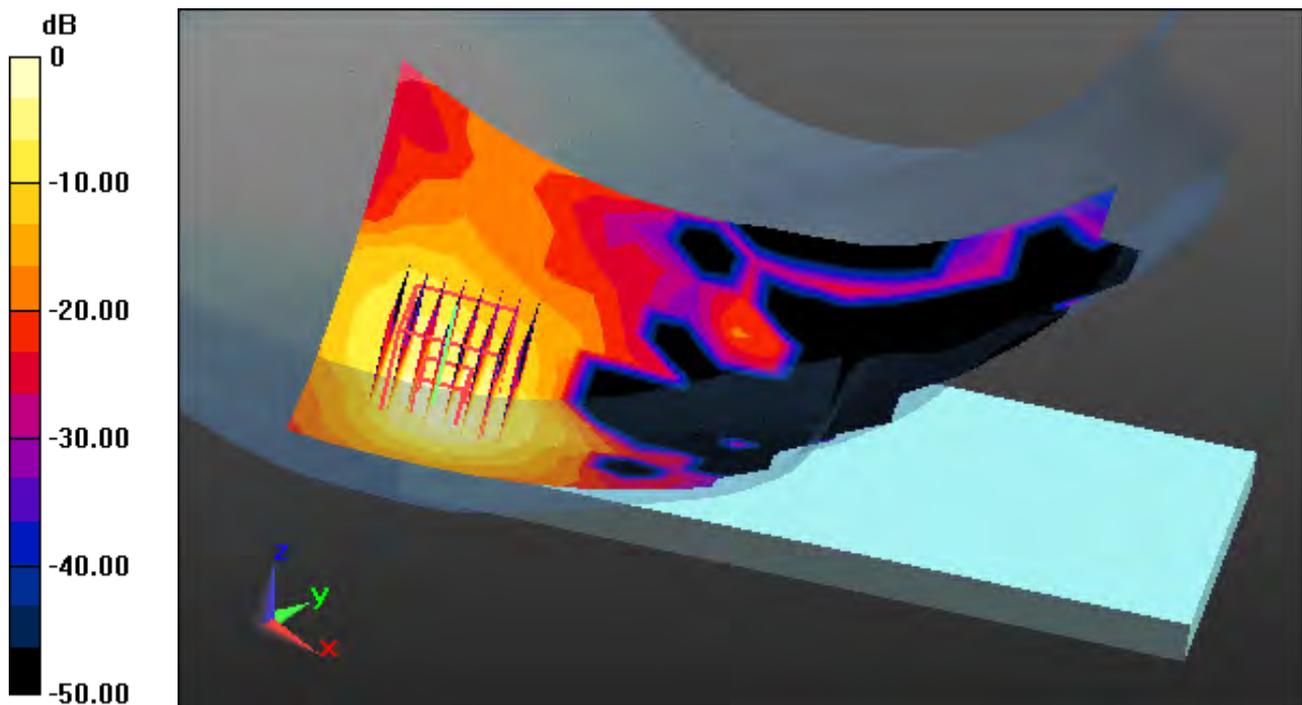
0 dB = 1.43 W/kg
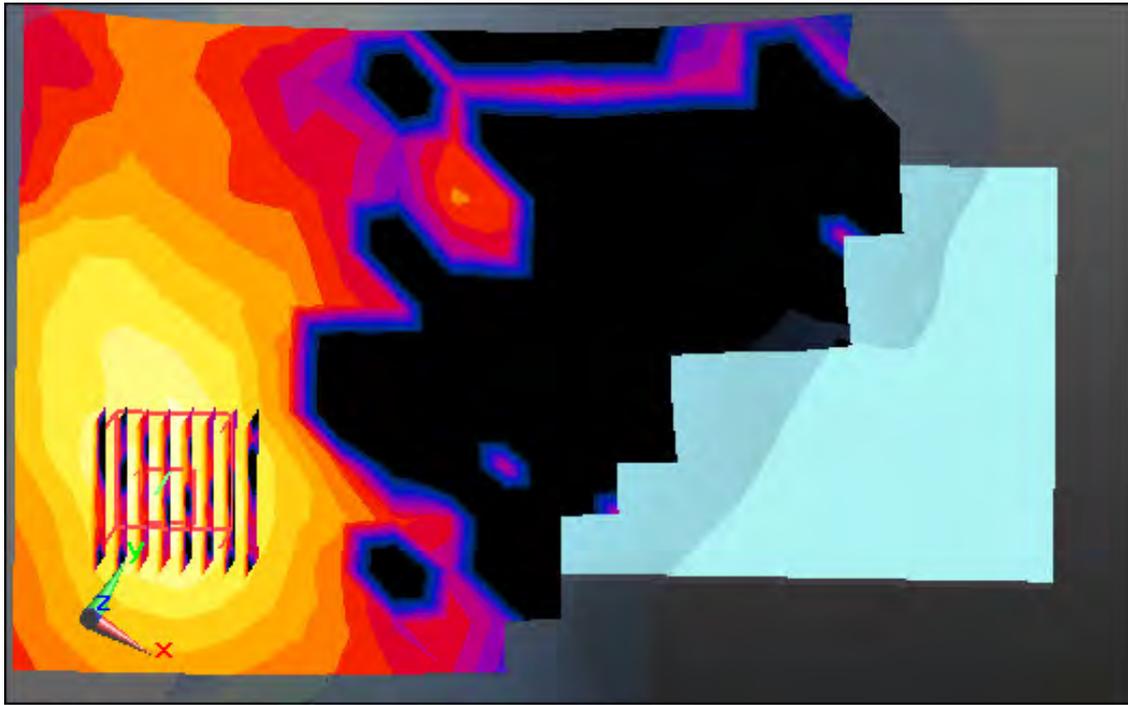
Enlarged Plot for A20

DT&C Co., Ltd.

DUT: LM-G900EM; 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; σ = 5.415 S/m; ε_r = 34.216; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(4.62, 4.62, 4.62); Calibrated: 5/28/2019 Electronics: DAE4 Sn1335
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM-twin right_2013_09_24; Type: QD000P40CD; Serial: TP:1783
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-13; Ambient Temp: 20.1; Tissue Temp: 20.4

### Right Tilt, WLAN(802.11a) Ch. 165, 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 = 0.19 dB
Peak SAR (extrapolated) = 0.302 W/kg
SAR(1 g) = 0.036 W/kg; SAR(10 g) = 0.013 W/kg
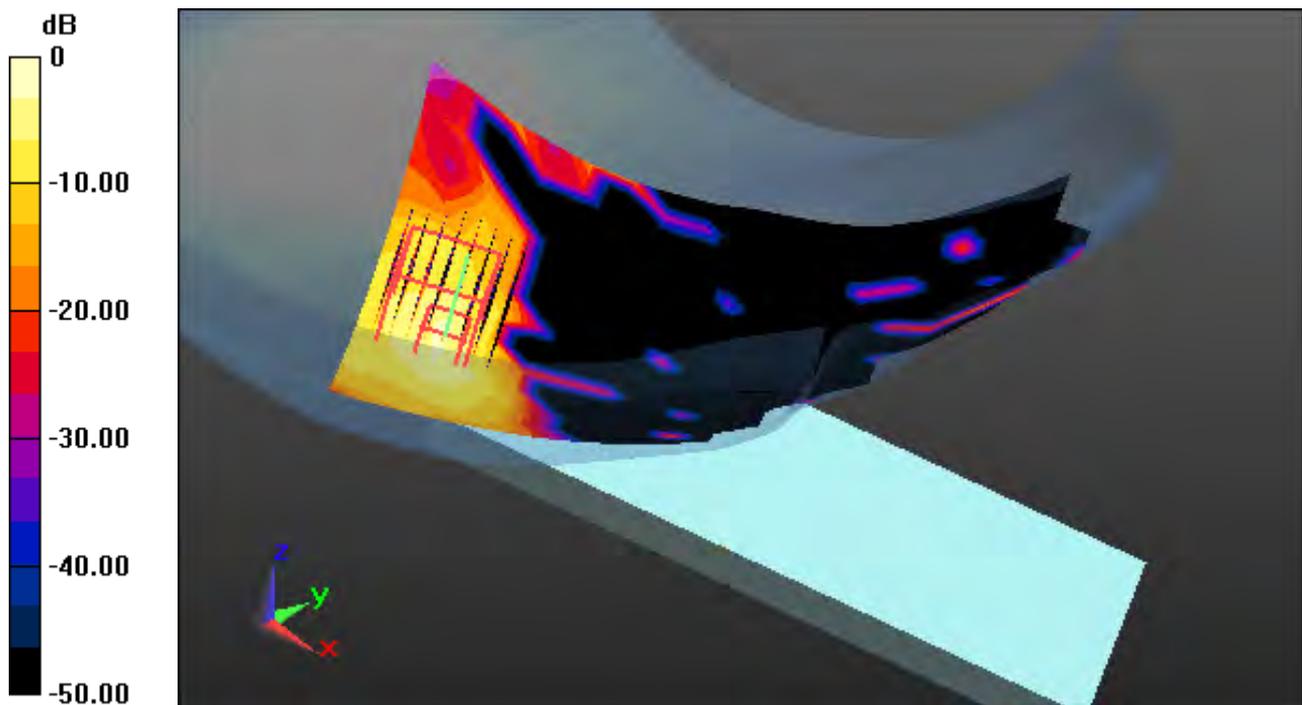
0 dB = 0.247 W/kg
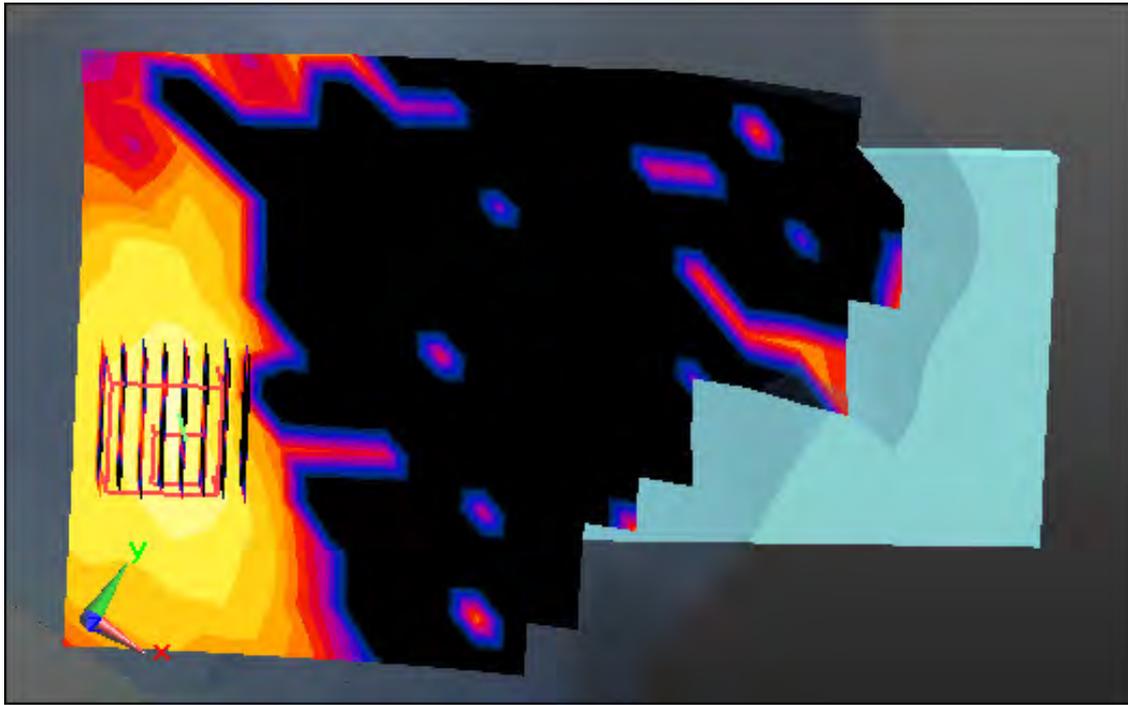
Enlarged Plot for A21

DT&C Co., Ltd.

DUT: LM-G900EM; 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; σ = 5.415 S/m; ε_r = 34.216; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(4.62, 4.62, 4.62); Calibrated: 5/28/2019 Electronics: DAE4 Sn1335
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM-twin right_2013_09_24; Type: QD000P40CD; Serial: TP:1783
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-13; Ambient Temp: 20.1; Tissue Temp: 20.4

Right Tilt, WLAN(802.11a) Ch. 165, Ant Internal, Standard Battery, Ant.2

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 = 0.07 dB
Peak SAR (extrapolated) = 1.18 W/kg
SAR(1 g) = 0.248 W/kg; SAR(10 g) = 0.083 W/kg
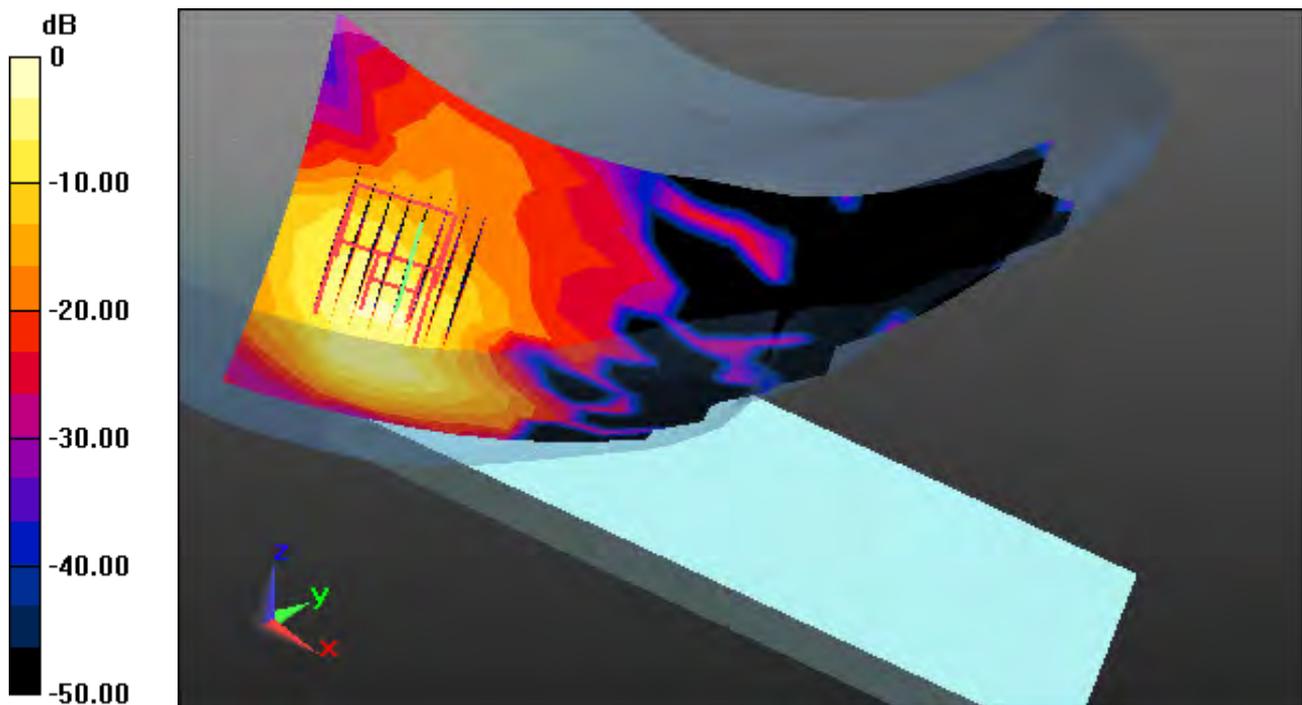
0 dB = 0.643 W/kg
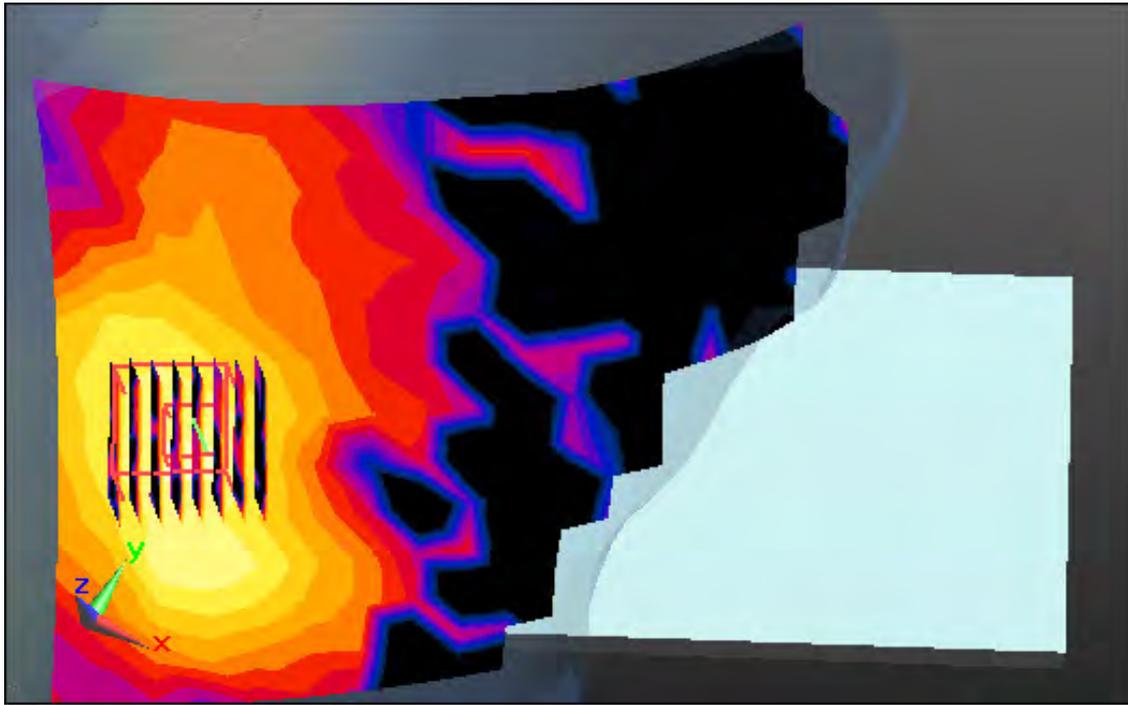
Enlarged Plot for A22

DT&C Co., Ltd.

DUT: LM-G900EM; 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; σ = 5.415 S/m; ε_r = 34.216; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(4.62, 4.62, 4.62); Calibrated: 5/28/2019 Electronics: DAE4 Sn1335
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM-twin right_2013_09_24; Type: QD000P40CD; Serial: TP:1783
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-13; Ambient Temp: 20.1; Tissue Temp: 20.4

Right Touch, WLAN(802.11a) Ch. 165, Ant Internal, Standard Battery, MIMO

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) = 1.47 W/kg
SAR(1 g) = 0.314 W/kg; SAR(10 g) = 0.104 W/kg
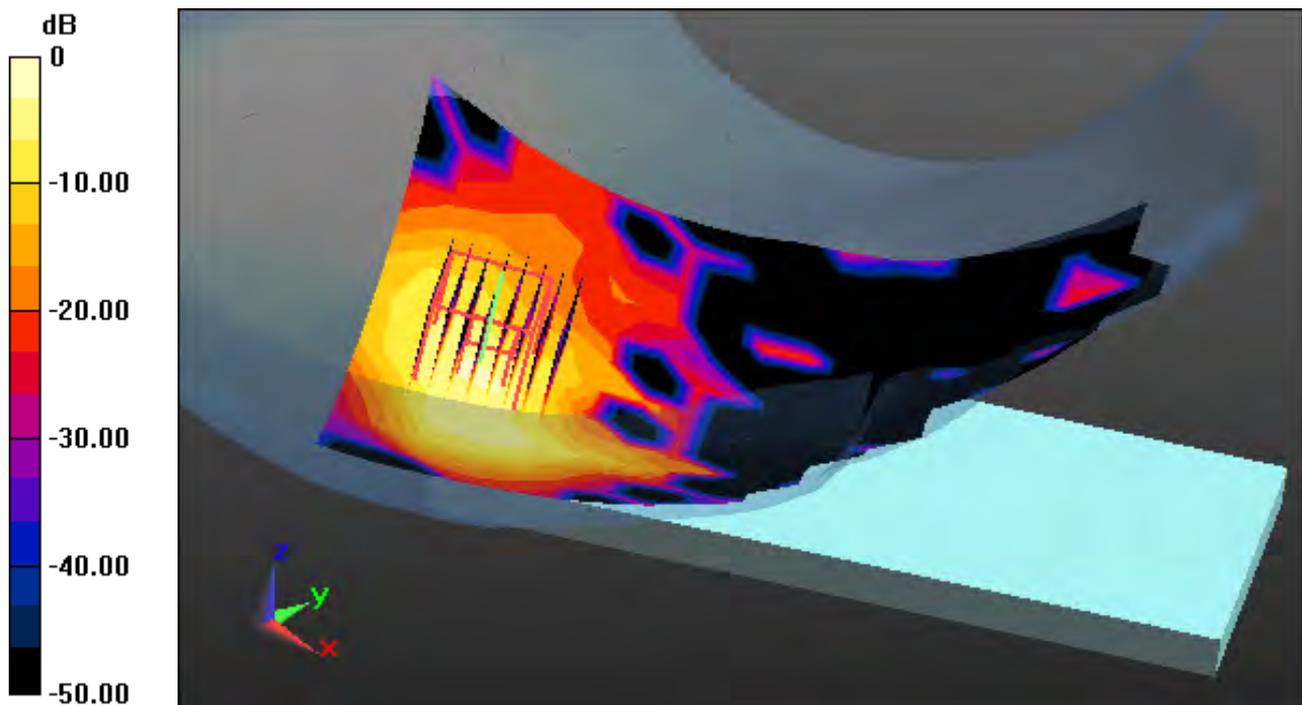
0 dB = 1.30 W/kg
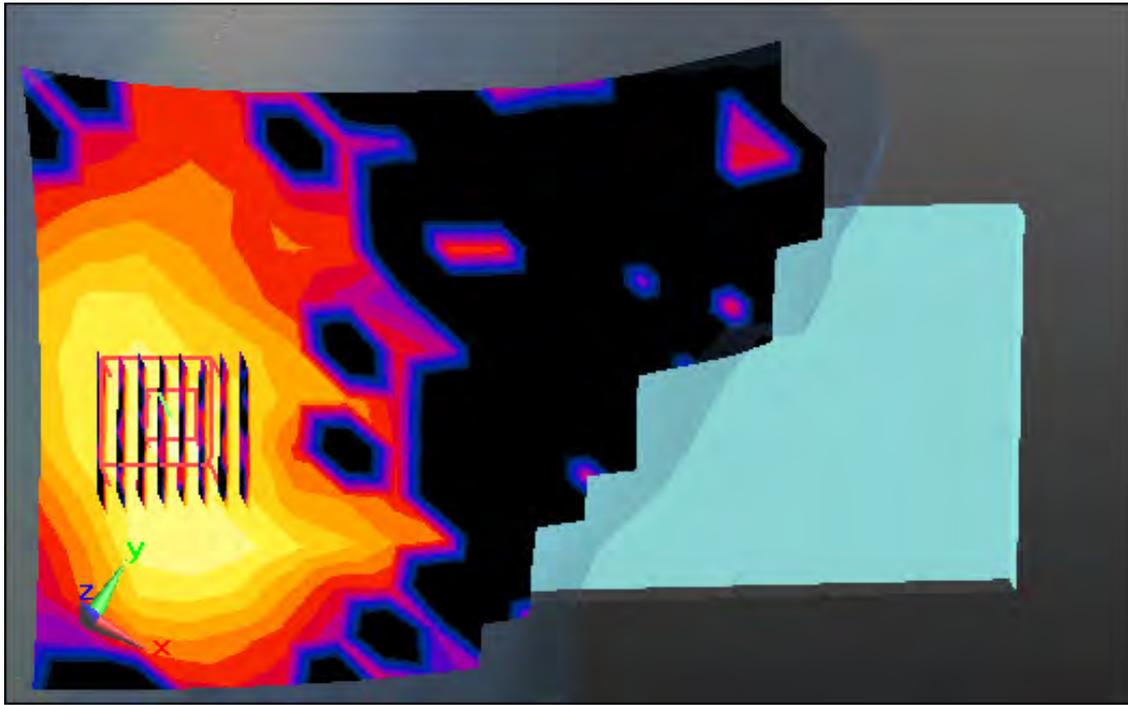
Enlarged Plot for A23

DT&C Co., Ltd.

DUT: LM-G900EM; Type: Bar

Communication System: UID 0, Bluetooth (0); Frequency: 2441 MHz; Duty Cycle: 1:1.302
Medium parameters used: f = 2441 MHz; σ = 1.842 S/m; ε_r = 38.465; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(7.24, 7.24, 7.24); Calibrated: 5/28/2019 Electronics: DAE4 Sn1335
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM-twin middle_2013_09_24; Type: QD000P40CD; Serial: 1782
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-08; Ambient Temp: 20.3; Tissue Temp: 20.6

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

Area Scan (11x17x1): Measurement grid: dx=12mm, dy=12mm
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.142 W/kg
SAR(1 g) = 0.057 W/kg; SAR(10 g) = 0.024 W/kg

0 dB = 0.300 W/kg

A24
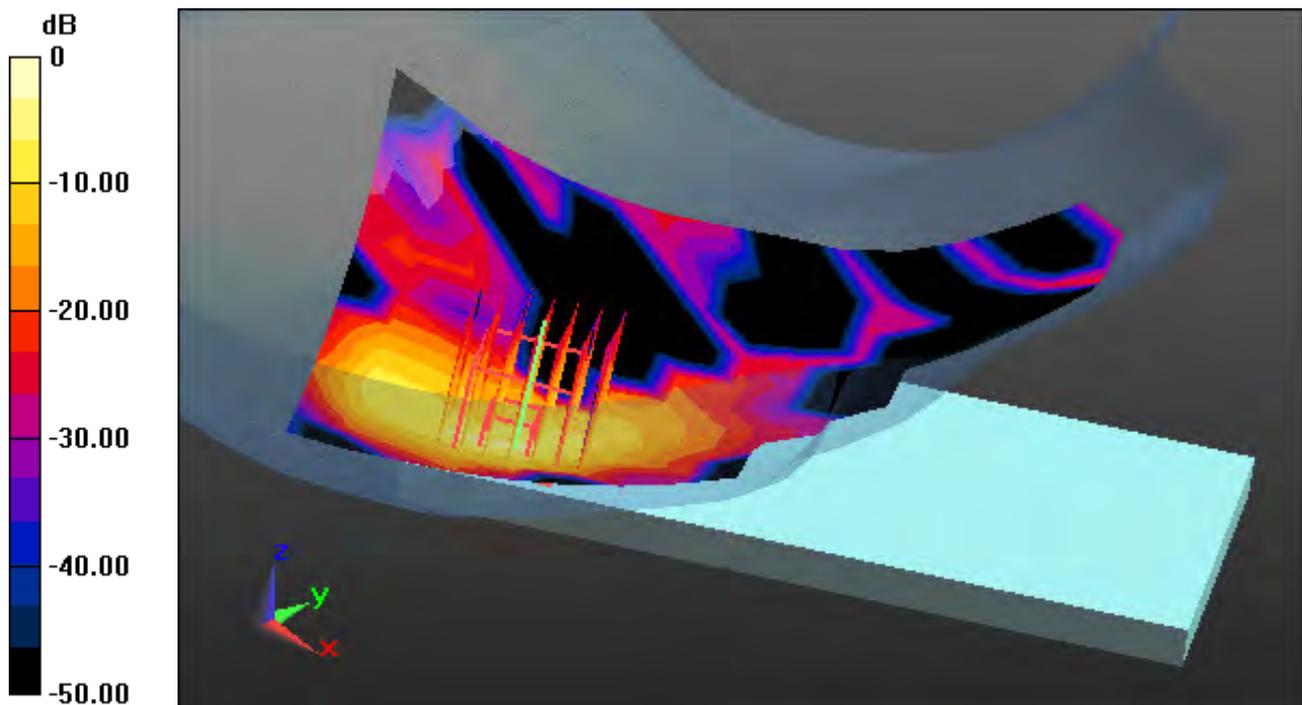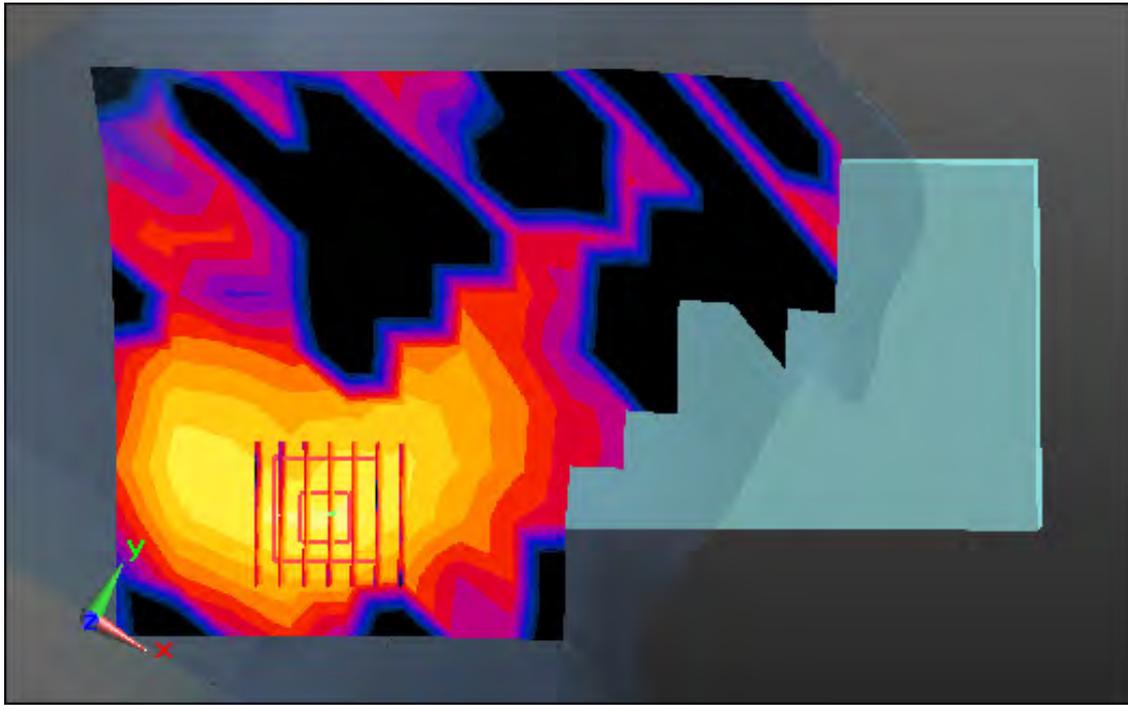
Enlarged Plot for A24

DT&C Co., Ltd.

DUT: LM-G900EM; 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; σ = 0.989 S/m; ε_r = 53.818; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(10.24, 10.24, 10.24); Calibrated: 9/27/2019 Electronics: DAE3 Sn520
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-02; Ambient Temp: 21.4; Tissue Temp: 21.6

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 = 0.03 dB
Peak SAR (extrapolated) = 0.559 W/kg
SAR(1 g) = 0.345 W/kg; SAR(10 g) = 0.219 W/kg

0 dB = 0.450 W/kg

A25
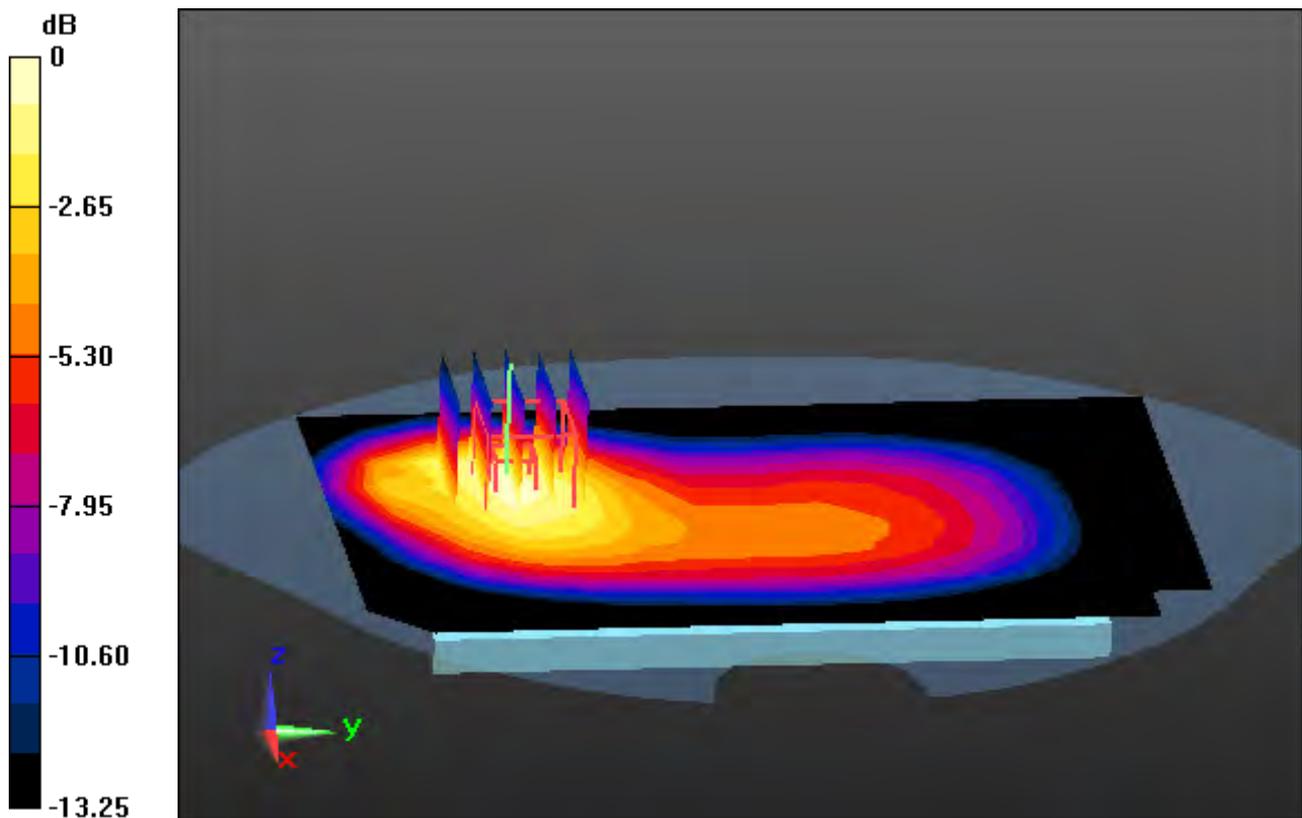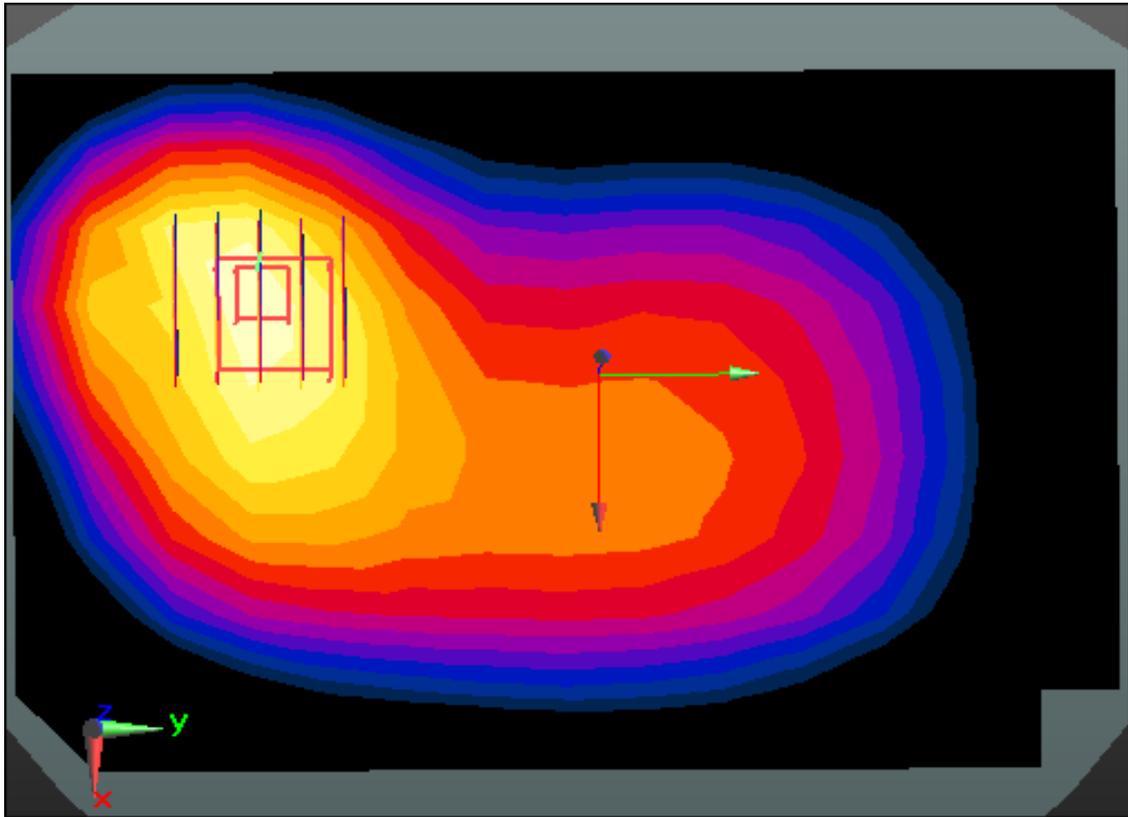
Enlarged Plot for A25

DT&C Co., Ltd.

DUT: LM-G900EM; 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; σ = 0.989 S/m; ε$_r$ = 53.818; ρ = 1000 kg/m^3 Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(10.24, 10.24, 10.24); Calibrated: 9/27/2019 Electronics: DAE3 Sn520
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-02; Ambient Temp: 21.4; Tissue Temp: 21.6

1 cm space from Body, Rear, GSM850 GPRS 4 Tx 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 = -0.08 dB
Peak SAR (extrapolated) = 0.890 W/kg
SAR(1 g) = 0.537 W/kg; SAR(10 g) = 0.330 W/kg

0 dB = 0.708 W/kg

A26
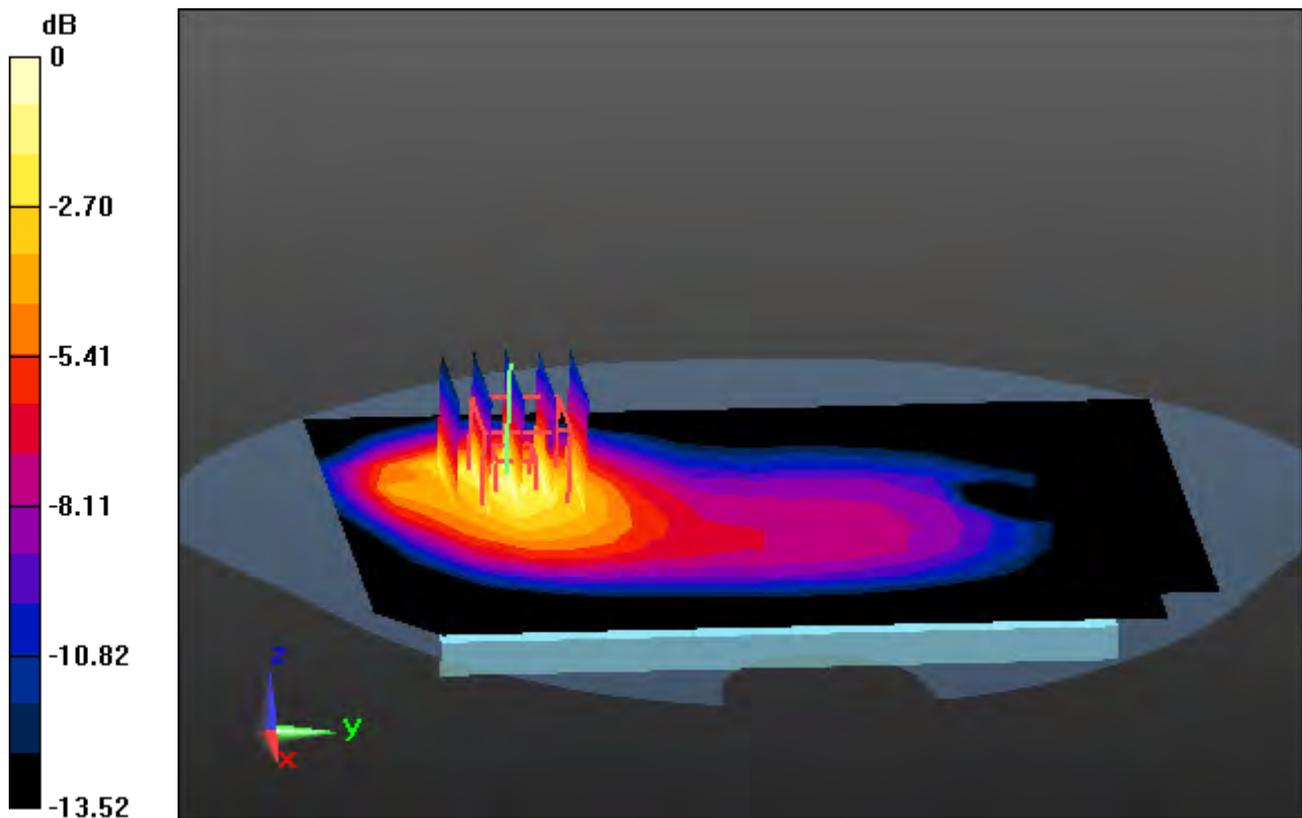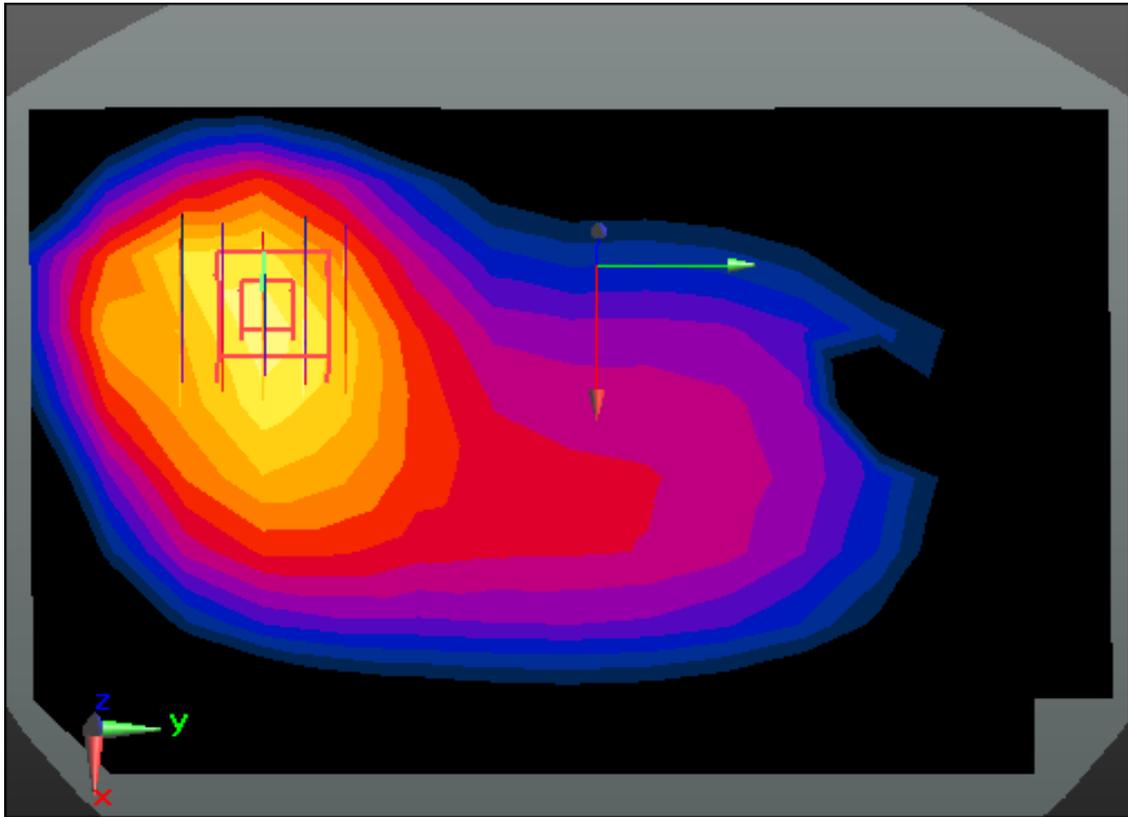
Enlarged Plot for A26

DT&C Co., Ltd.

DUT: LM-G900EM; Type: Bar;

Communication System: UID 0, PCS 1900 (0); Frequency: 1880 MHz; Duty Cycle: 1:8.3
Medium parameters used: f = 1880 MHz; σ = 1.535 S/m; ε_r = 51.77; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(7.51, 7.51, 7.51); Calibrated: 5/28/2019 Electronics: DAE4 Sn1335
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM-twin right_2013_09_24; Type: QD000P40CD; Serial: TP:1783
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-02; Ambient Temp: 20.1; Tissue Temp: 20.2

## 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 = -0.04 dB
Peak SAR (extrapolated) = 0.562 W/kg
SAR(1 g) = 0.314 W/kg; SAR(10 g) = 0.167 W/kg

0 dB = 0.447 W/kg

A27
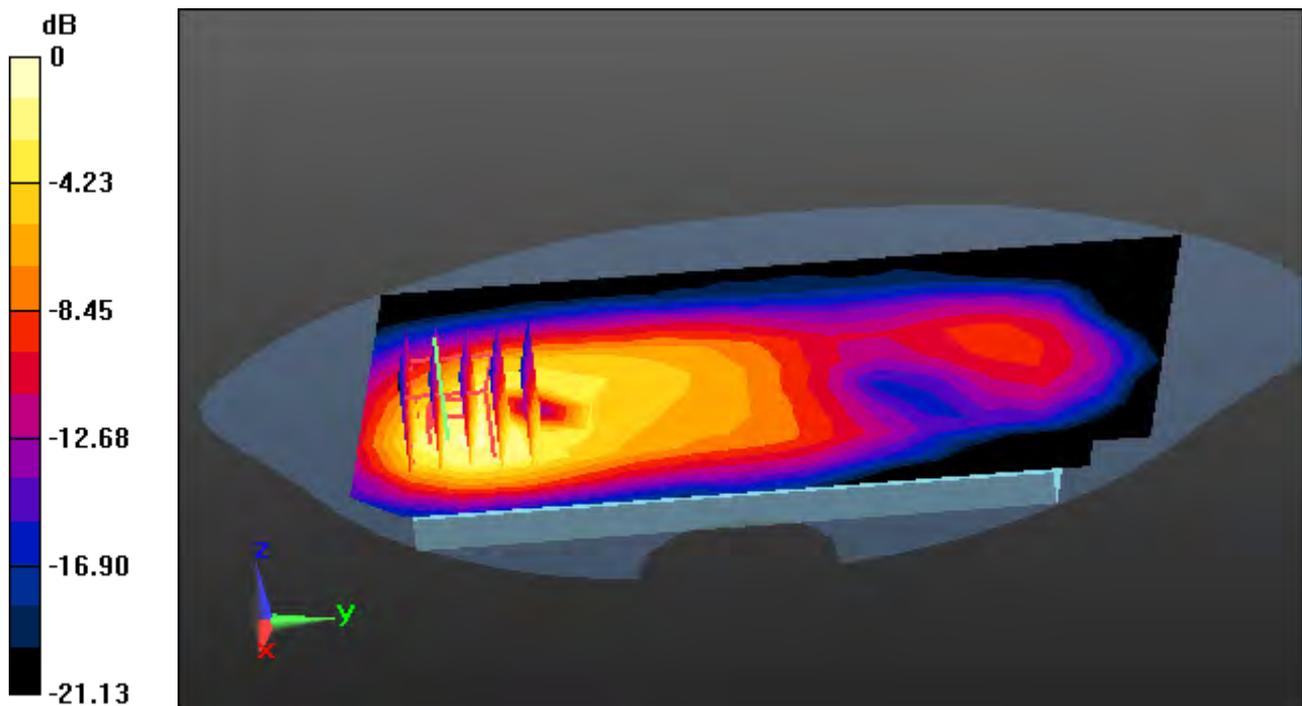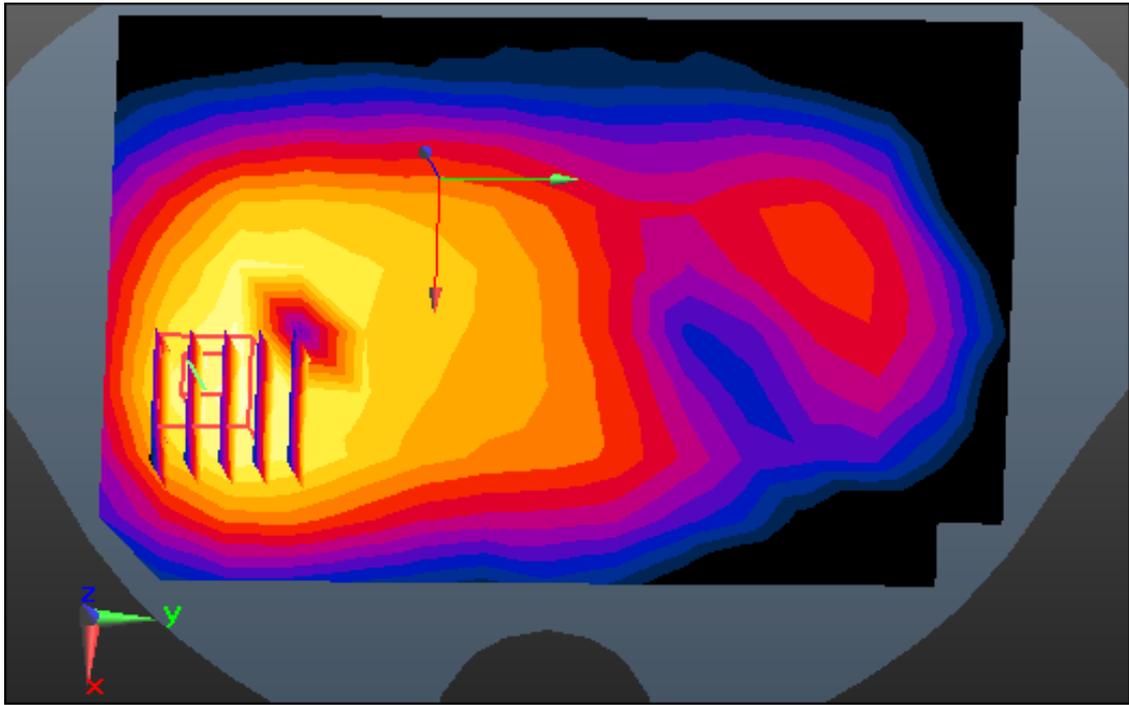
Enlarged Plot for A27

DT&C Co., Ltd.

DUT: LM-G900EM; Type: Bar;

Communication System: UID 0, PCS1900_3 Tx (0); Frequency: 1880 MHz; Duty Cycle: 1:2.77
Medium parameters used: f = 1880 MHz; σ = 1.535 S/m; ε_r = 51.77; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(7.51, 7.51, 7.51); Calibrated: 5/28/2019 Electronics: DAE4 Sn1335
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM-twin right_2013_09_24; Type: QD000P40CD; Serial: TP:1783
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-02; Ambient Temp: 20.1; Tissue Temp: 20.2

1 cm space from Body, Rear, PCS1900 GPRS 3 Tx 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 = -0.02 dB
Peak SAR (extrapolated) = 0.666 W/kg
SAR(1 g) = 0.391 W/kg; SAR(10 g) = 0.199 W/kg

0 dB = 0.548 W/kg

A28
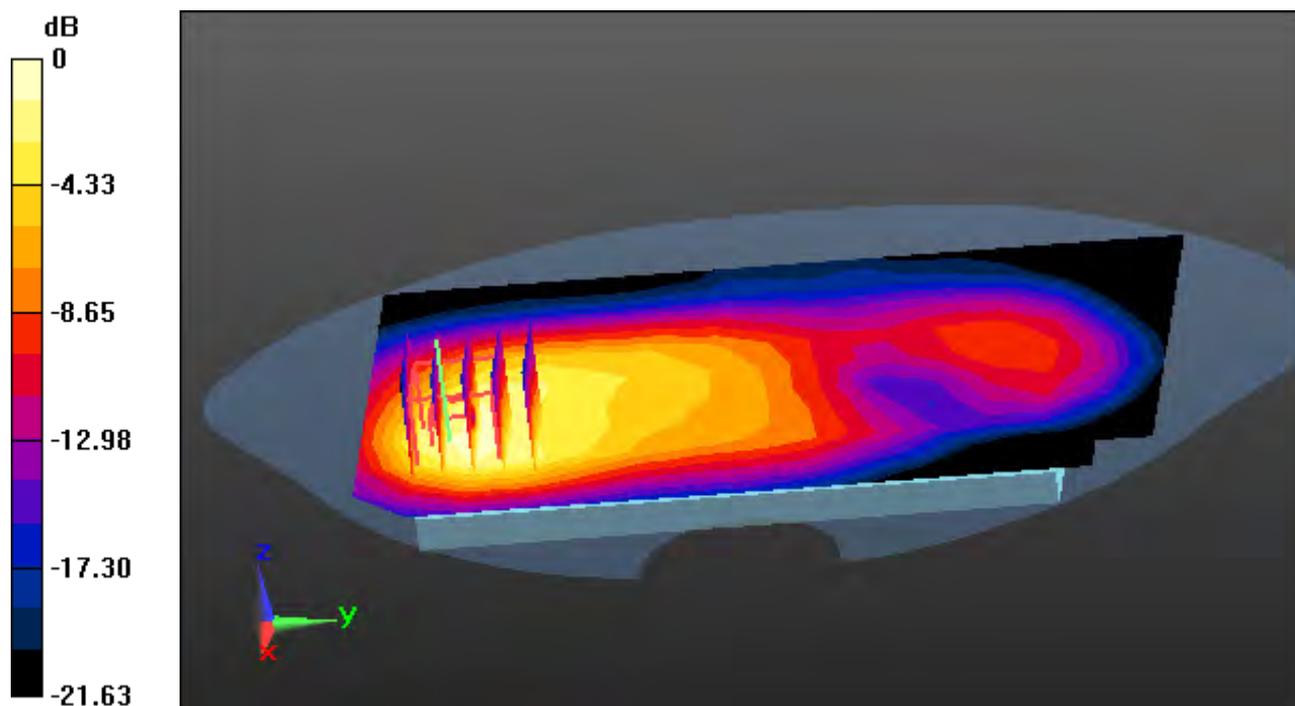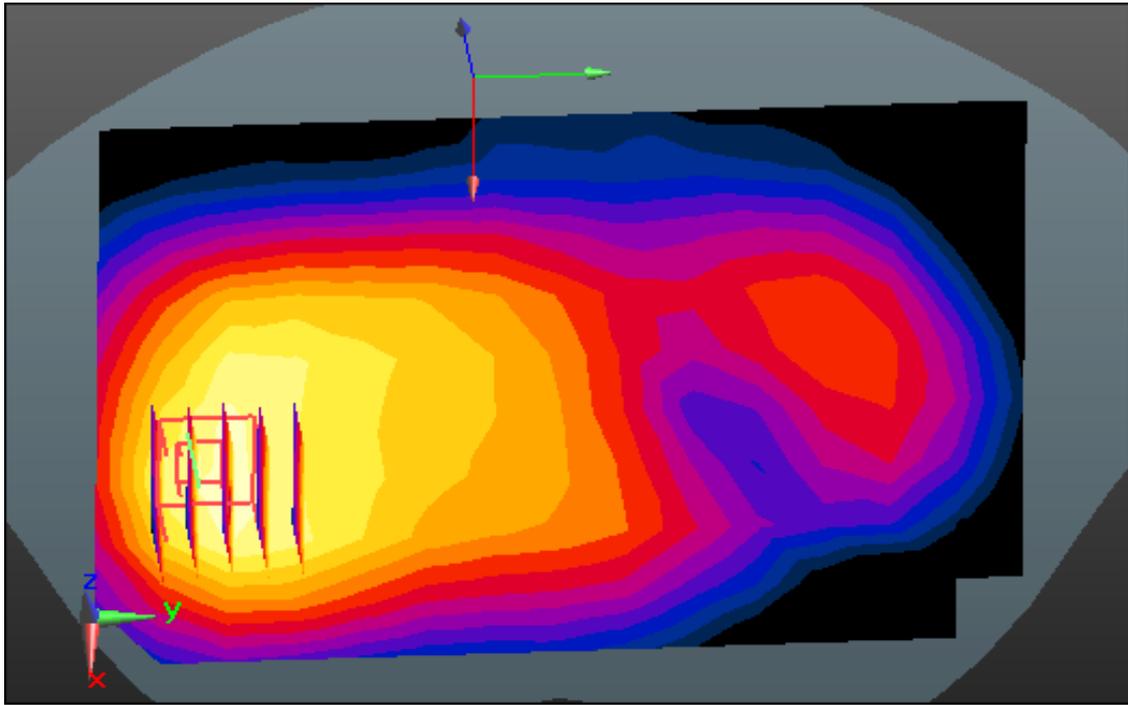
Enlarged Plot for A28

DT&C Co., Ltd.

DUT: LM-G900EM; Type: Bar

Communication System: UID 0, WCDMA 850 (0); Frequency: 836.6 MHz; Duty Cycle: 1:1
Medium parameters used: f = 836.6 MHz; σ = 0.989 S/m; ε_r = 53.818; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(10.24, 10.24, 10.24); Calibrated: 9/27/2019 Electronics: DAE3 Sn520
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-02; Ambient Temp: 21.4; Tissue Temp: 21.6

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 = 0.02 dB
Peak SAR (extrapolated) = 1.05 W/kg
SAR(1 g) = 0.632 W/kg; SAR(10 g) = 0.391 W/kg

0 dB = 0.838 W/kg

A29
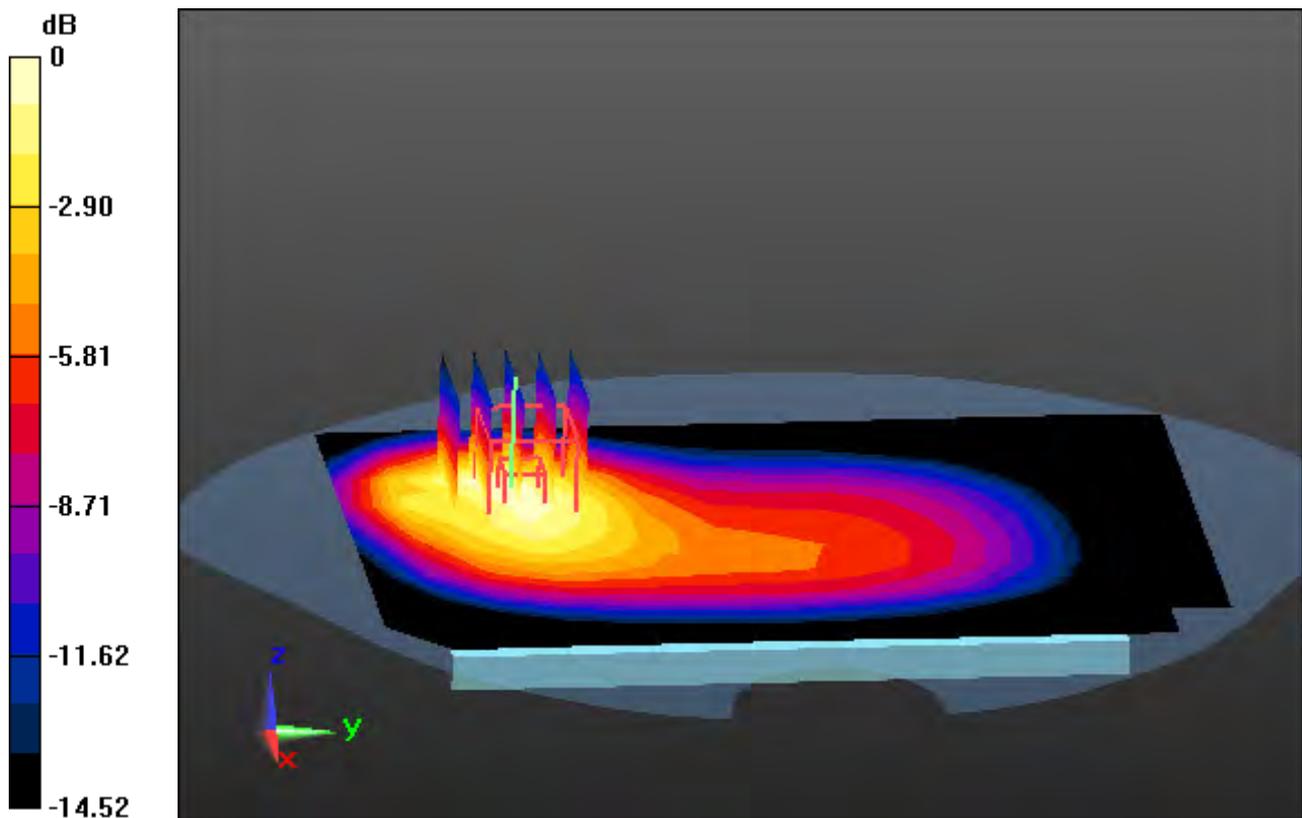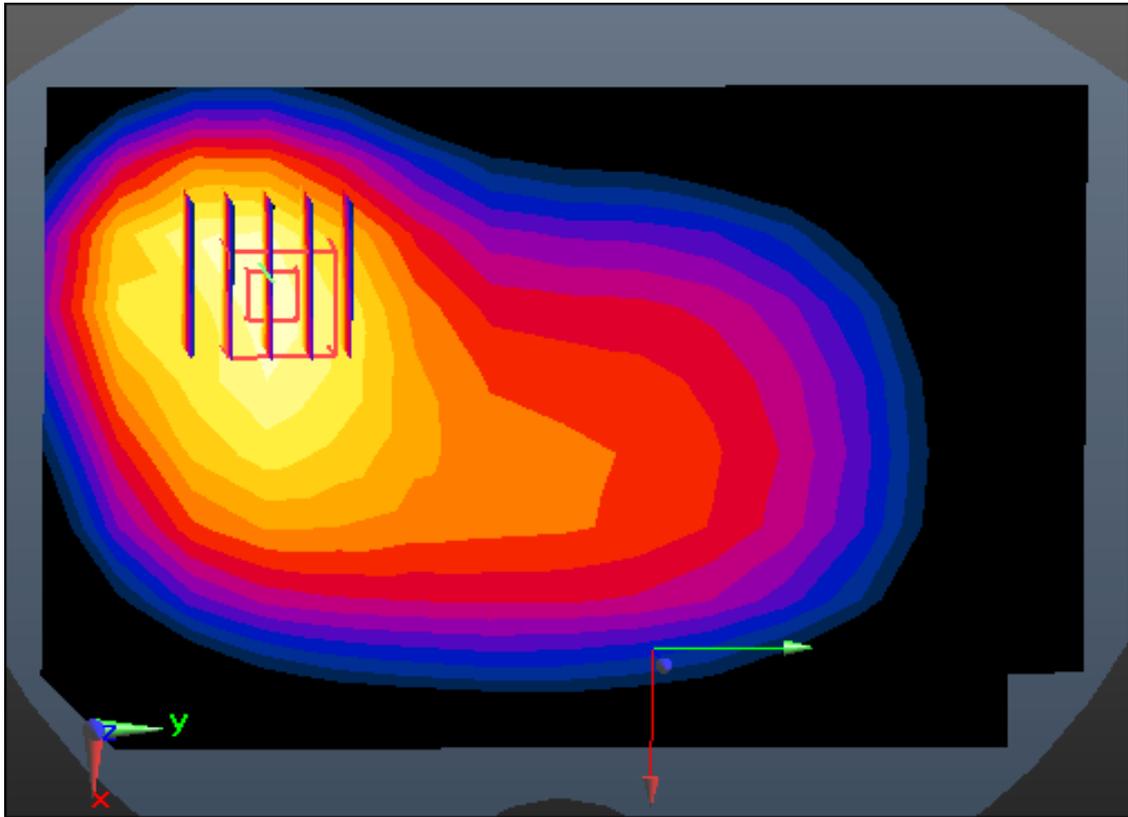
Enlarged Plot for A29

DT&C Co., Ltd.

DUT: LM-G900EM; Type: Bar

Communication System: UID 0, WCDMA 1900 (0); Frequency: 1880 MHz; Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.535 S/m; ε_r = 51.77; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(7.51, 7.51, 7.51); Calibrated: 5/28/2019 Electronics: DAE4 Sn1335
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM-twin right_2013_09_24; Type: QD000P40CD; Serial: TP:1783
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-02; Ambient Temp: 20.1; Tissue Temp: 20.2

## 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 = -0.07 dB
Peak SAR (extrapolated) = 1.22 W/kg
SAR(1 g) = 0.694 W/kg; SAR(10 g) = 0.384 W/kg

0 dB = 0.969 W/kg

A30
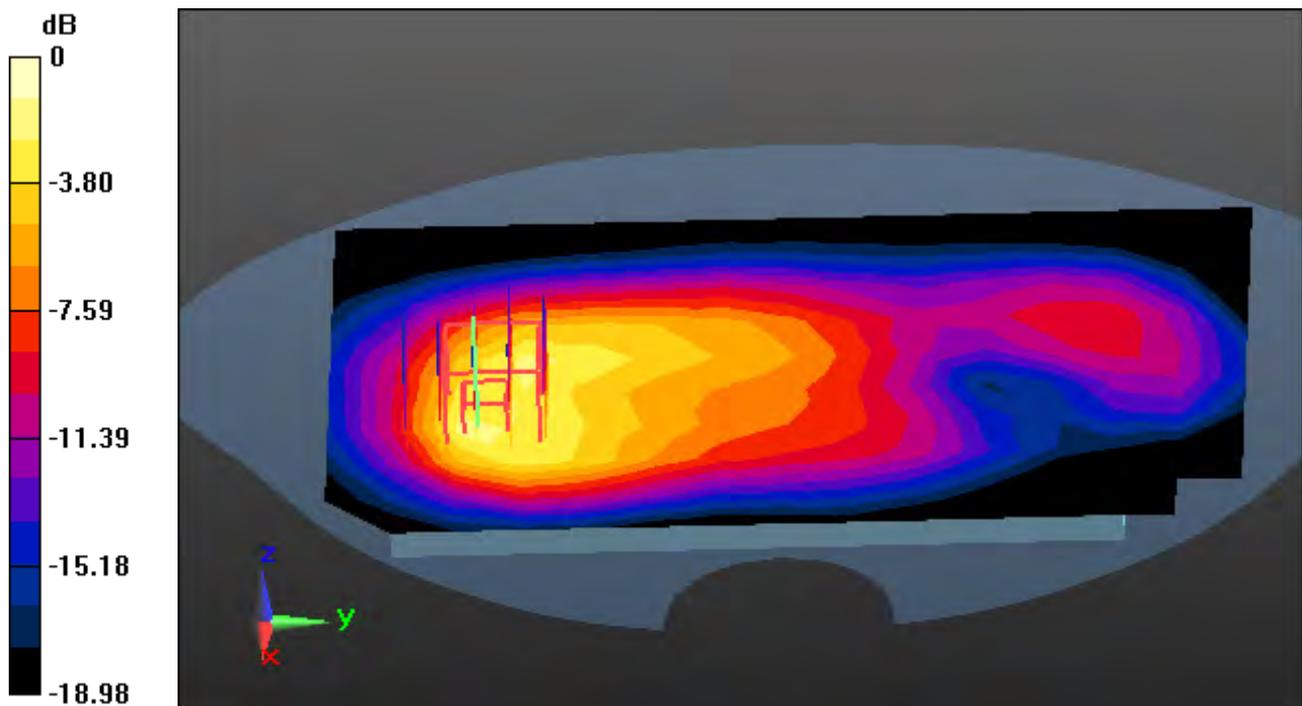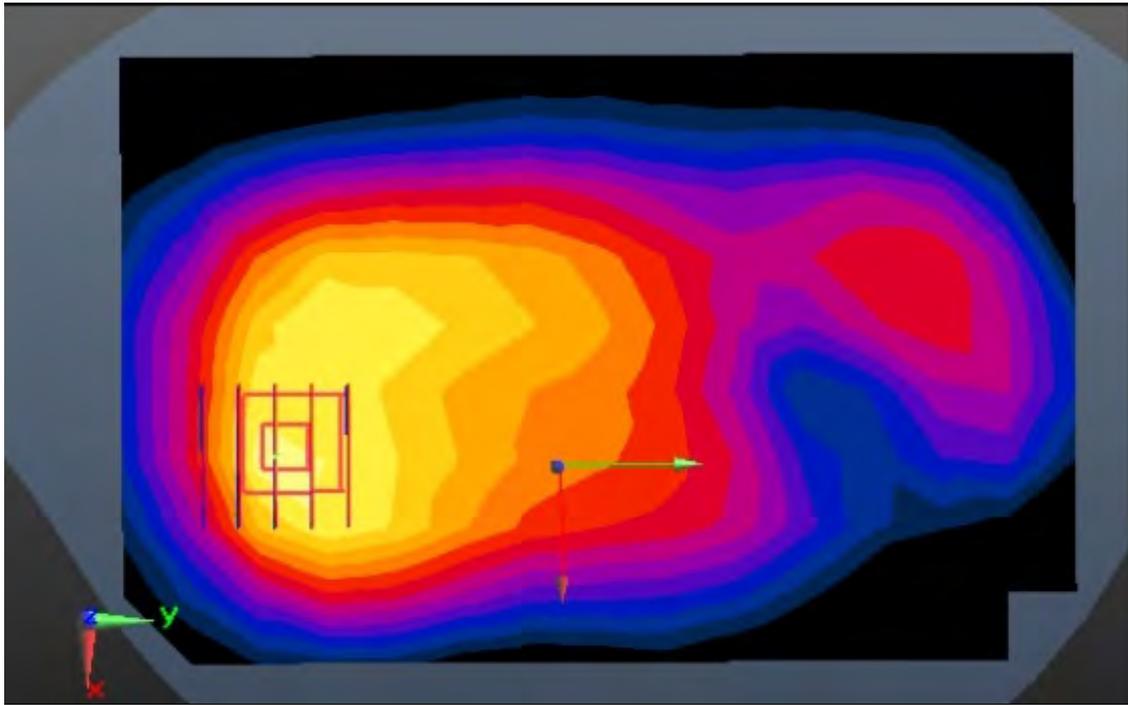
Enlarged Plot for A30

DT&C Co., Ltd.

DUT: LM-G900EM; 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; σ = 0.925 S/m; ε$_r$ = 56.81; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(10.44, 10.44, 10.44); Calibrated: 9/27/2019 Electronics: DAE3 Sn520
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-03; Ambient Temp: 22.2; Tissue Temp: 22.3

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 = -0.00 dB
Peak SAR (extrapolated) = 0.542 W/kg
SAR(1 g) = 0.354 W/kg; SAR(10 g) = 0.237 W/kg

0 dB = 0.447 W/kg

A31
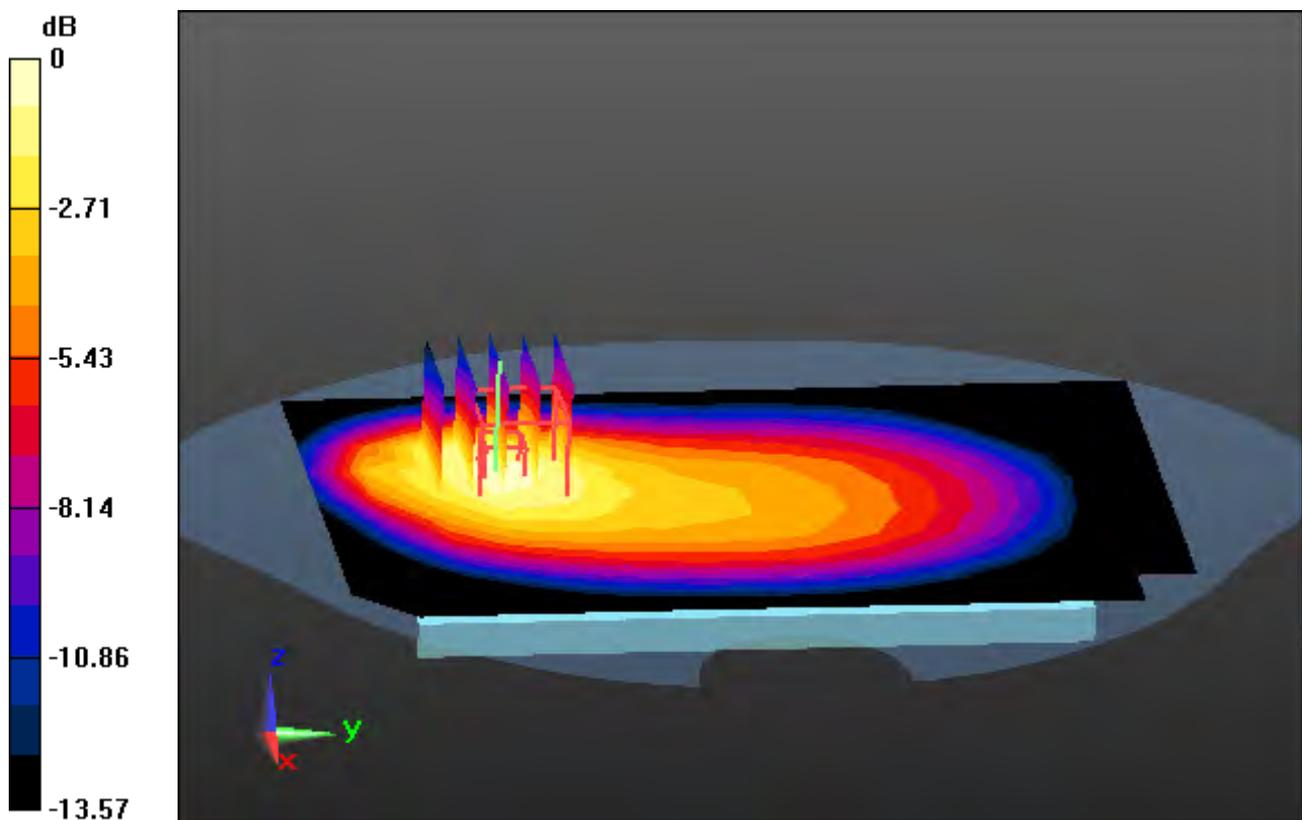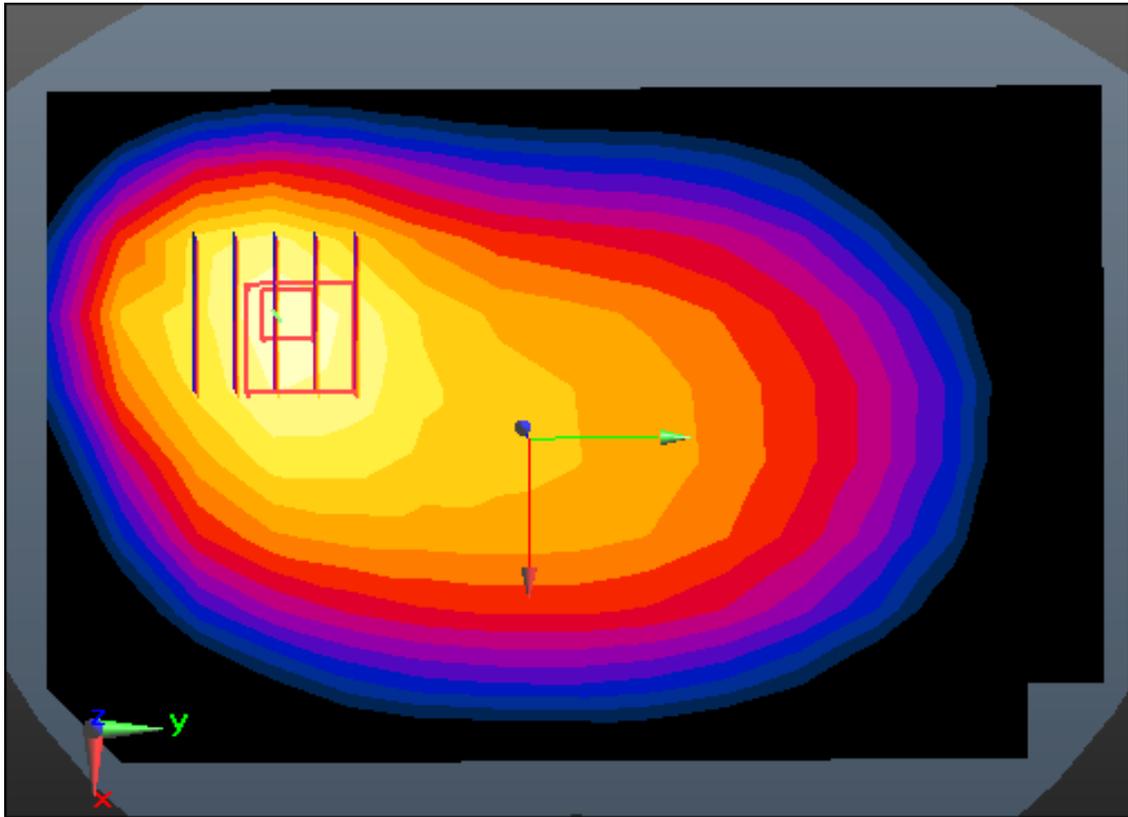
Enlarged Plot for A31

DT&C Co., Ltd.

DUT: LM-G900EM; 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; σ = 0.989 S/m; ε_r = 53.82; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(10.24, 10.24, 10.24); Calibrated: 9/27/2019 Electronics: DAE3 Sn520
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-02; Ambient Temp: 21.4; Tissue Temp: 21.6

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 = 0.02 dB
Peak SAR (extrapolated) = 0.990 W/kg
SAR(1 g) = 0.601 W/kg; SAR(10 g) = 0.378 W/kg

0 dB = 0.783 W/kg

A32
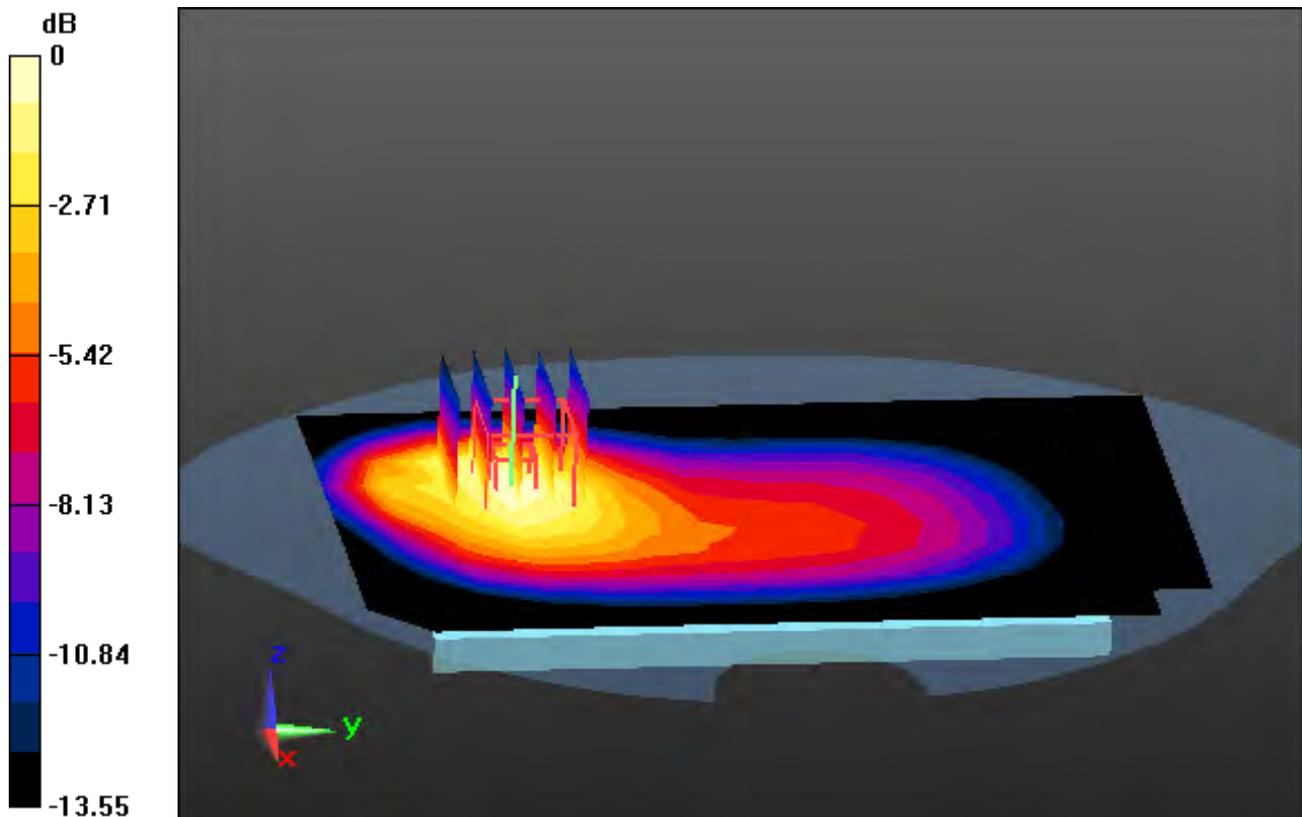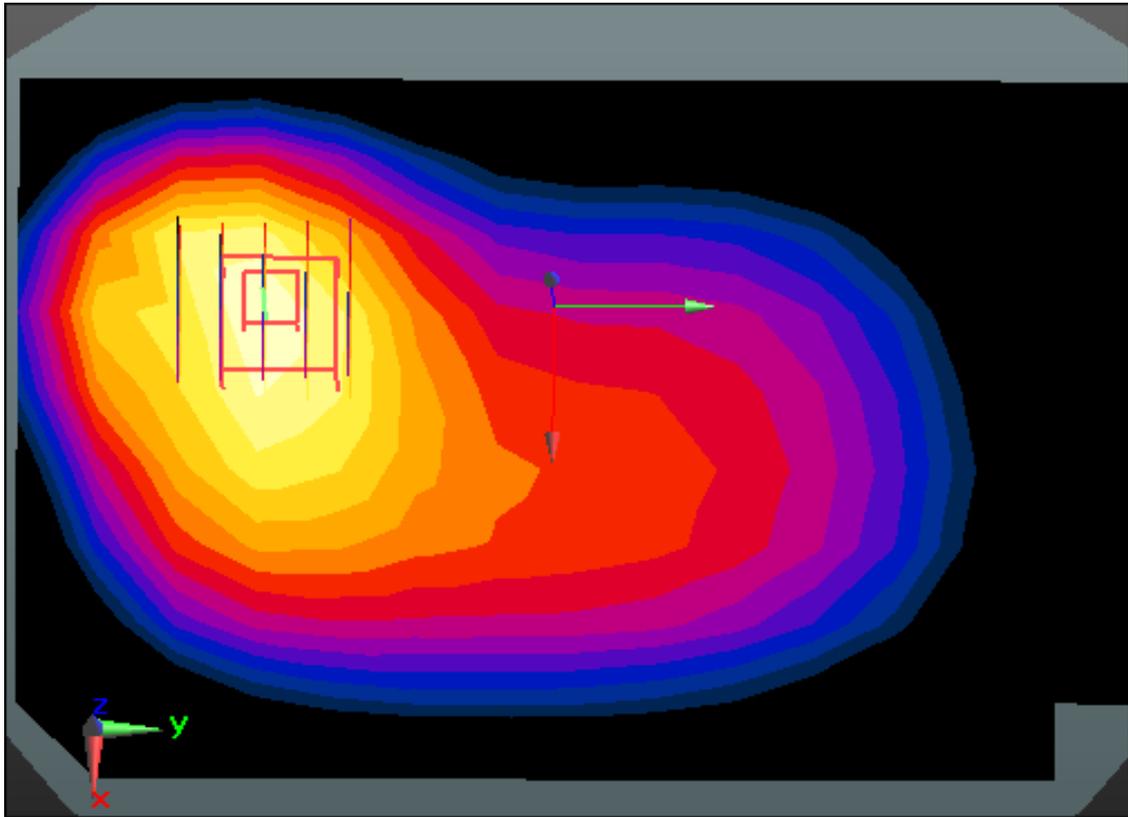
Enlarged Plot for A32

DT&C Co., Ltd.

DUT: LM-G900EM; Type: Bar

Communication System: UID 0, LTE Band 4 (0); Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.475 S/m; ε_r = 53.109; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(7.74, 7.74, 7.74); Calibrated: 5/28/2019 Electronics: DAE4 Sn1335
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM-twin right_2013_09_24; Type: QD000P40CD; Serial: TP:1783
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-06; Ambient Temp: 20.1; Tissue Temp: 20.5

1 cm space from Body, Rear, LTE Band 4 Ch. 20175, 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 = 0.04 dB
Peak SAR (extrapolated) = 0.898 W/kg
SAR(1 g) = 0.528 W/kg; SAR(10 g) = 0.288 W/kg

0 dB = 0.724 W/kg

A33
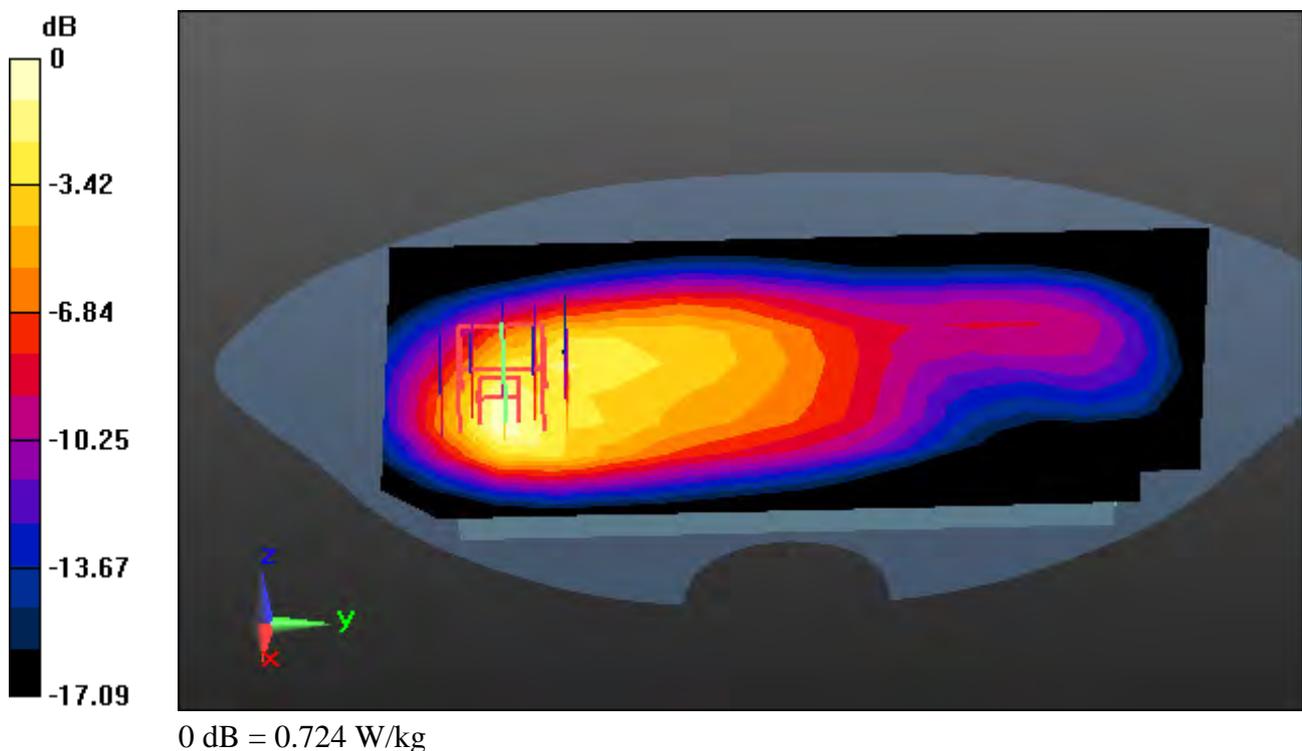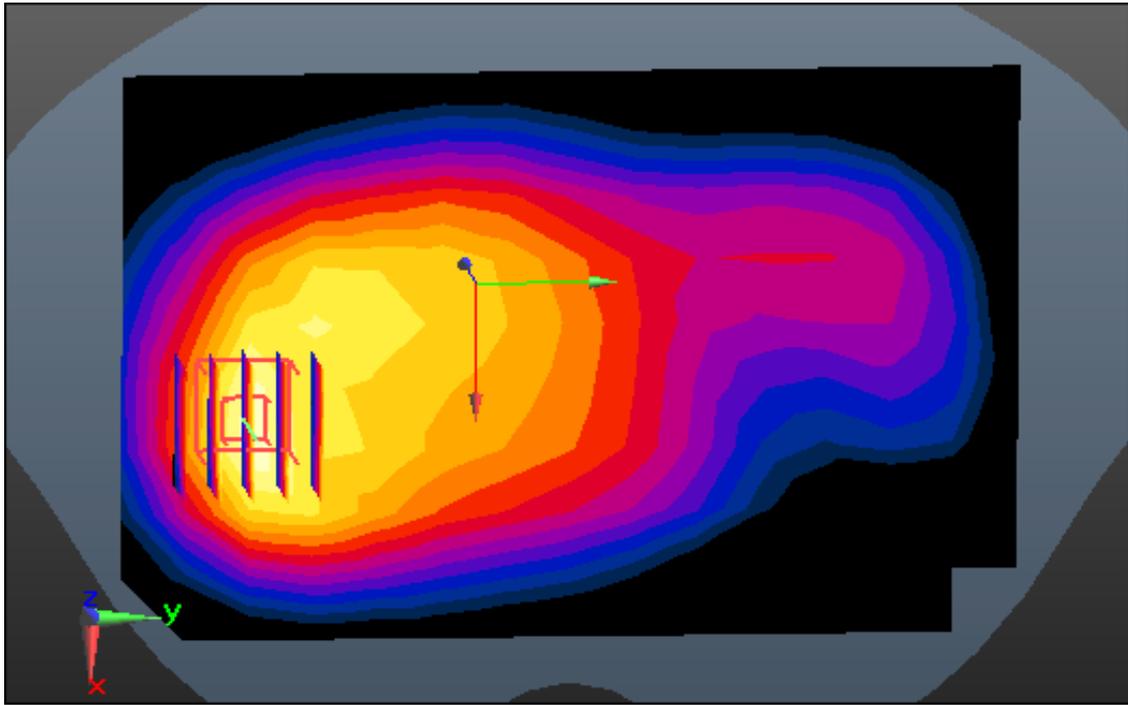
Enlarged Plot for A33

DT&C Co., Ltd.

DUT: LM-G900EM; Type: Bar

Communication System: UID 0, LTE Band 2 (0); Frequency: 1860 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1860 MHz; σ = 1.472 S/m; ε_r = 51.644; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(7.51, 7.51, 7.51); Calibrated: 5/28/2019 Electronics: DAE4 Sn1335
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM-twin right_2013_09_24; Type: QD000P40CD; Serial: TP:1783
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-03; Ambient Temp: 21.8; Tissue Temp: 21.9

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) = 1.12 W/kg
SAR(1 g) = 0.633 W/kg; SAR(10 g) = 0.346 W/kg

0 dB = 0.899 W/kg
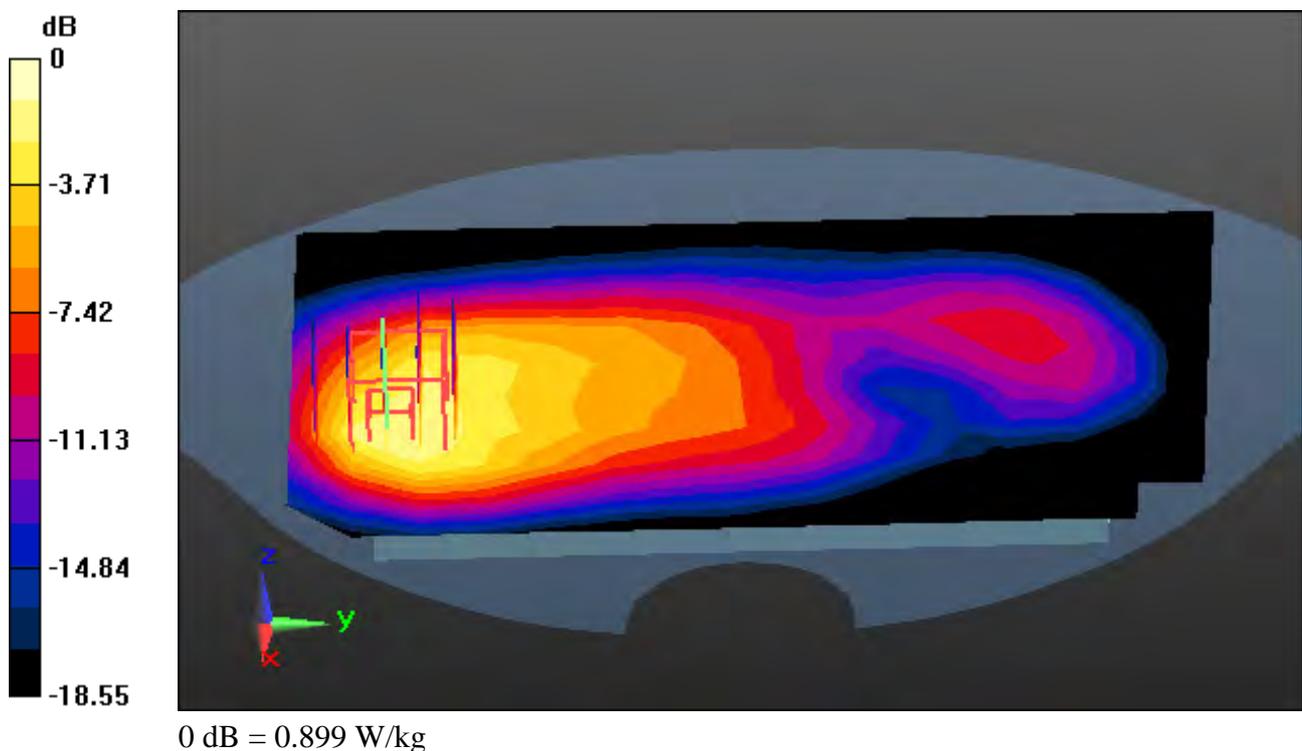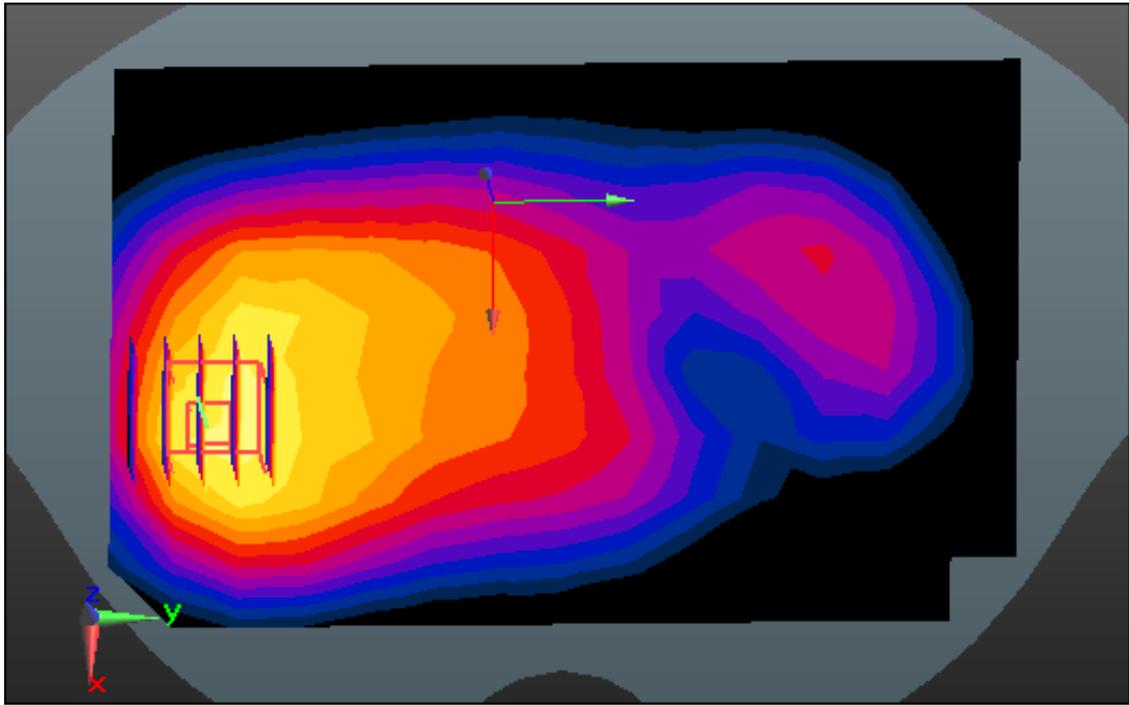
Enlarged Plot for A34

DT&C Co., Ltd.

DUT: LM-G900EM; Type: Bar

Communication System: UID 0, LTE Band 41(TDD) (0); Frequency: 2680 MHz;Duty Cycle: 1:1.58
Medium parameters used: f = 2680 MHz; σ = 2.267 S/m; ε_r = 51.436; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(7.1, 7.1, 7.1); Calibrated: 5/28/2019 Electronics: DAE4 Sn1335
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM-twin right_2013_09_24; Type: QD000P40CD; Serial: TP:1783
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-07; Ambient Temp: 20.4; Tissue Temp: 20.7

1 cm space from Body, Rear, LTE Band 41 Ch. 41490, 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) = 0.531 W/kg
SAR(1 g) = 0.254 W/kg; SAR(10 g) = 0.122 W/kg

0 dB = 0.710 W/kg
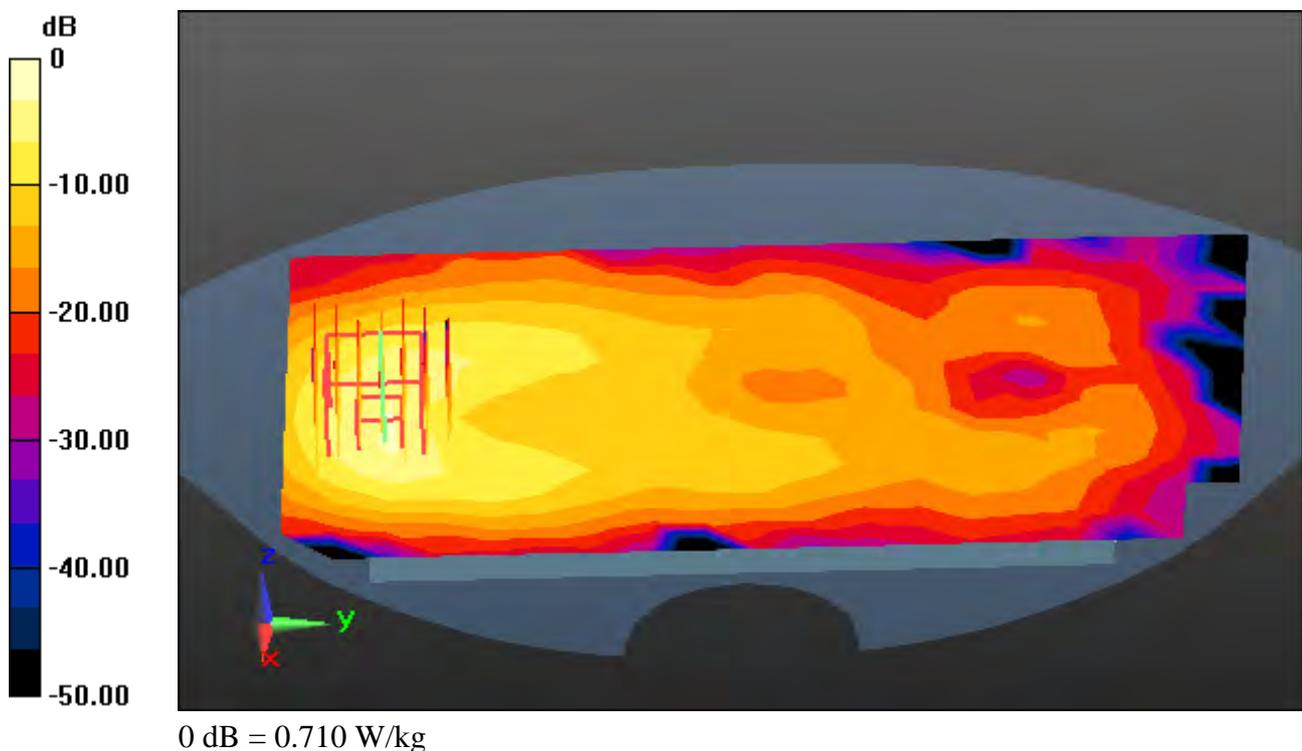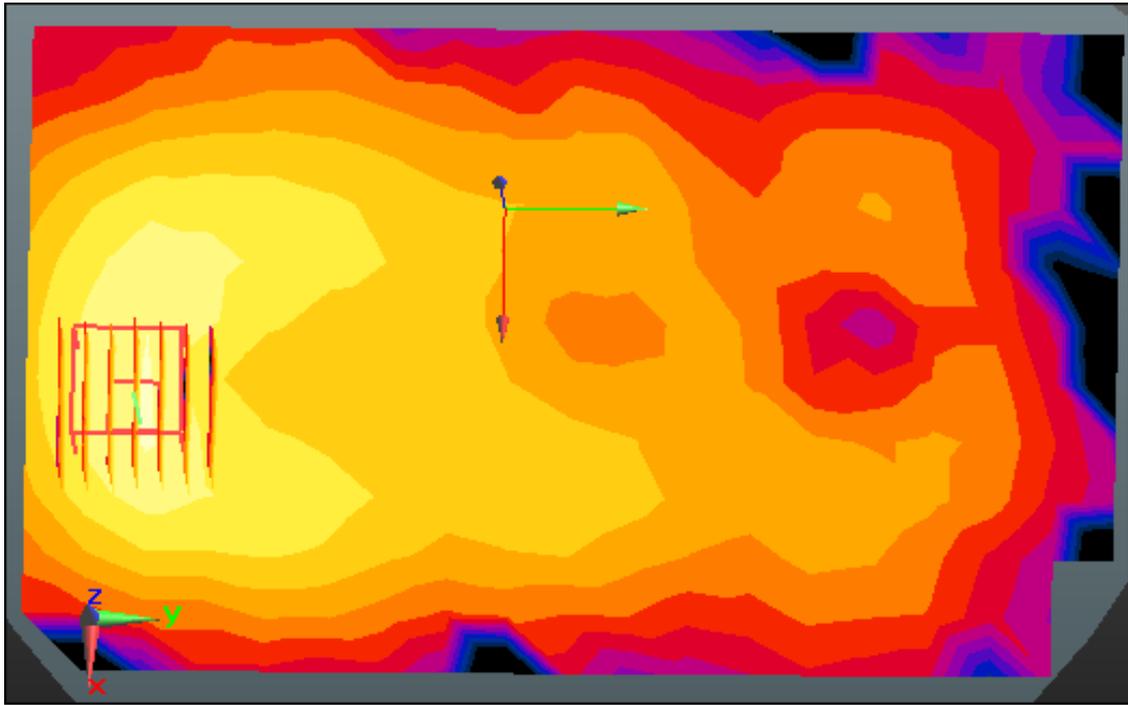
Enlarged Plot for A35

DT&C Co., Ltd.

DUT: LM-G900EM; Type: Bar

Communication System: UID 0, 00_2.4 GHz W-LAN (0); Frequency: 2412 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2412 MHz; σ = 1.947 S/m; $ε_r$ = 51.775; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(7.27, 7.27, 7.27); Calibrated: 5/28/2019 Electronics: DAE4 Sn1335
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM-twin right_2013_09_24; Type: QD000P40CD; Serial: TP:1783
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-08; Ambient Temp: 20.3; Tissue Temp: 20.4

## 1 cm space from Body, Rear, WLAN(802.11b) Ch. 1, Ant Internal, Ant.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 = -0.15 dB
Peak SAR (extrapolated) = 0.162 W/kg
SAR(1 g) = 0.078 W/kg; SAR(10 g) = 0.034 W/kg

0 dB = 0.117 W/kg

A36
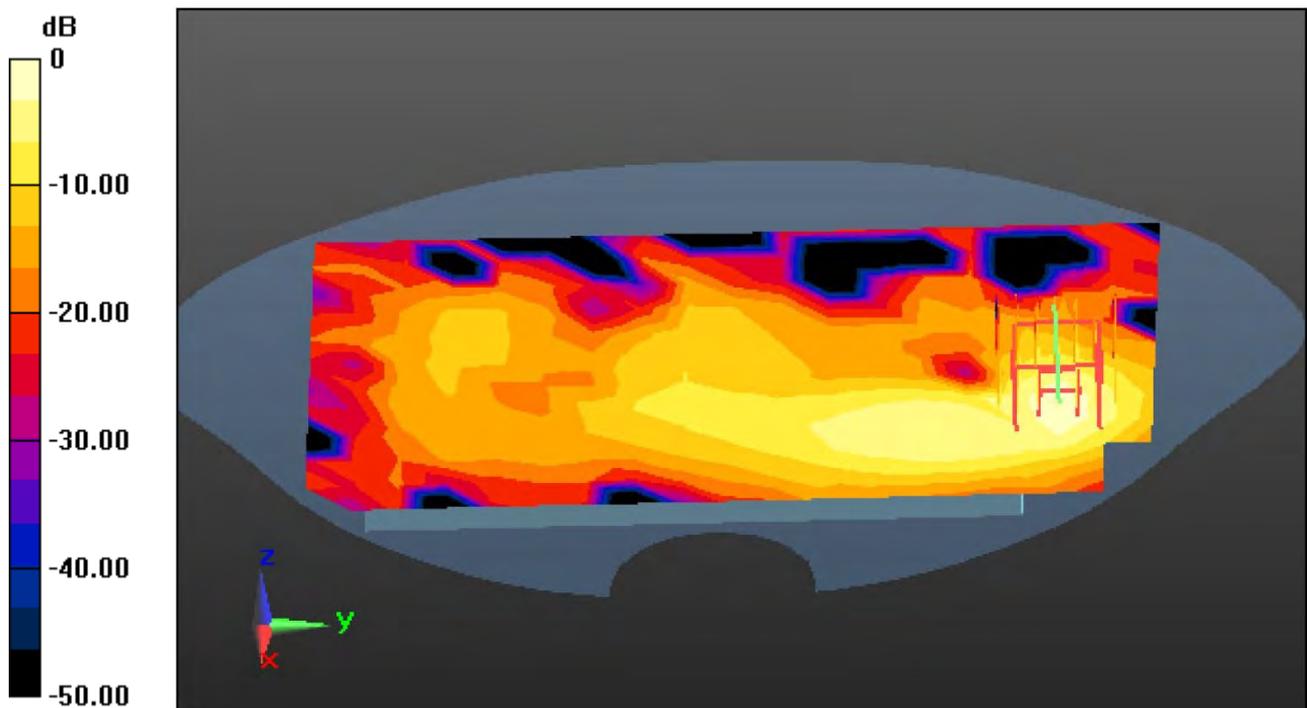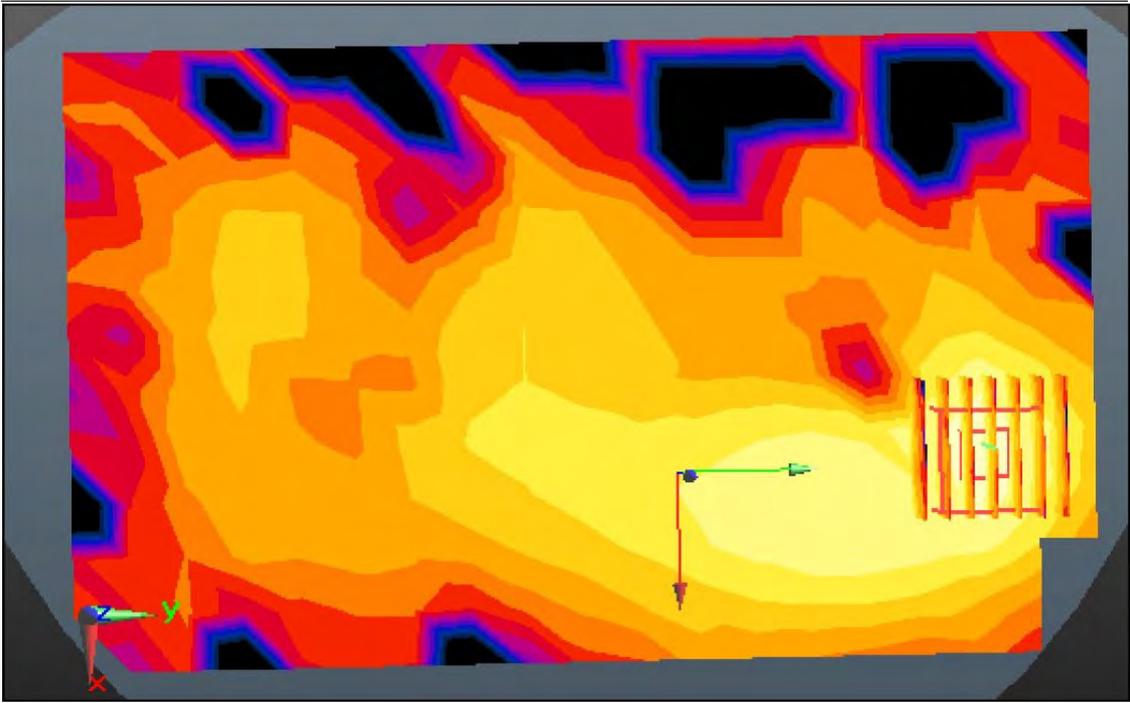
Enlarged Plot for A36

DT&C Co., Ltd.

DUT: LM-G900EM; Type: Bar

Communication System: UID 0, 00_2.4 GHz W-LAN (0); Frequency: 2462 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2462 MHz; σ = 2.006 S/m; ε_r = 51.661; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(7.27, 7.27, 7.27); Calibrated: 5/28/2019 Electronics: DAE4 Sn1335
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM-twin right_2013_09_24; Type: QD000P40CD; Serial: TP:1783
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-08; Ambient Temp: 20.3; Tissue Temp: 20.4

## 1 cm space from Body, Rear, WLAN(802.11b) Ch. 11, Ant Internal, Ant.2

Area Scan (12x19x1): Measurement grid: dx=12mm, dy=12mm
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.207 W/kg
SAR(1 g) = 0.101 W/kg; SAR(10 g) = 0.046 W/kg

0 dB = 0.151 W/kg

A37
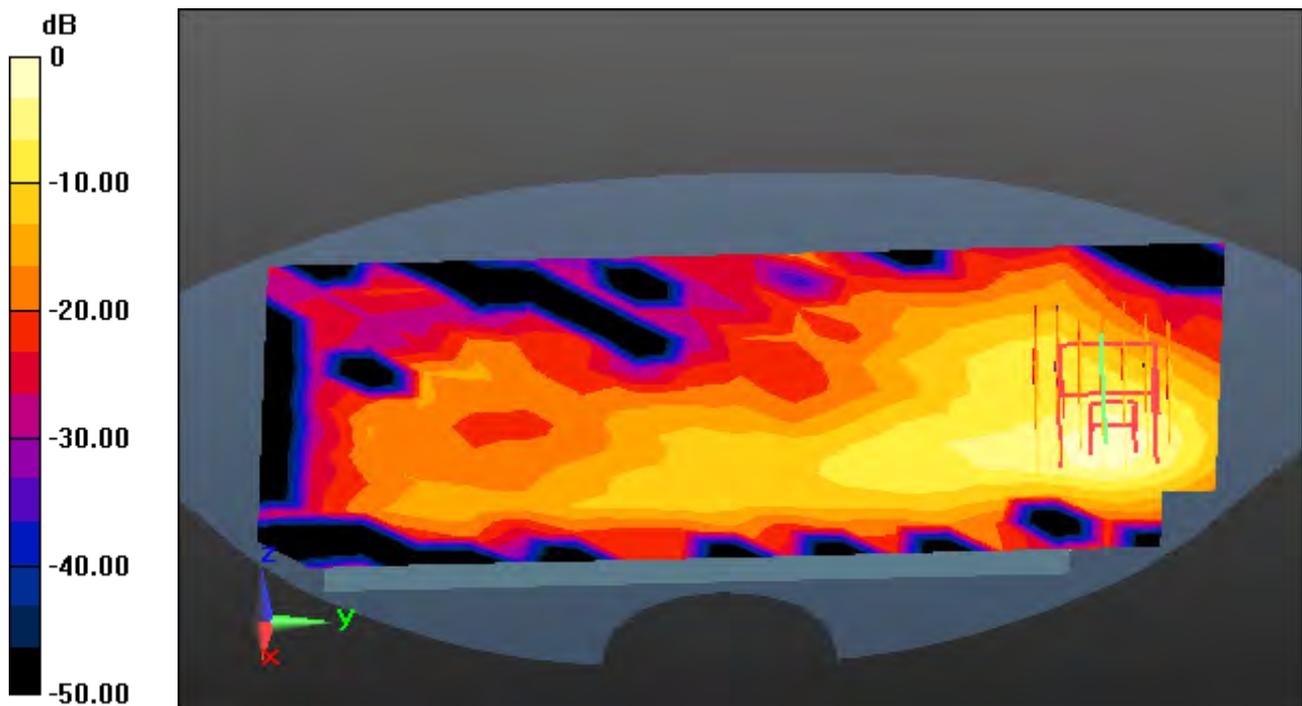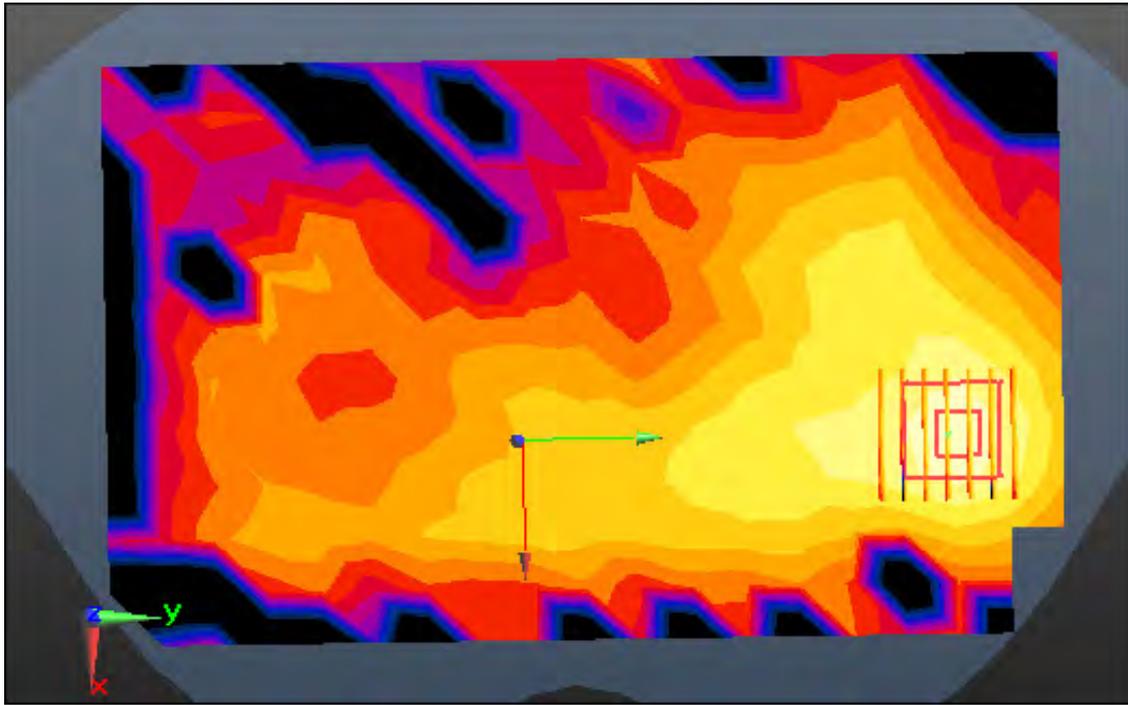
Enlarged Plot for A37

DT&C Co., Ltd.

DUT: LM-G900EM; Type: Bar

Communication System: UID 0, 00_2.4 GHz W-LAN (0); Frequency: 2462 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2462 MHz; σ = 2.006 S/m; ε_r = 51.661; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(7.27, 7.27, 7.27); Calibrated: 5/28/2019 Electronics: DAE4 Sn1335
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM-twin right_2013_09_24; Type: QD000P40CD; Serial: TP:1783
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-08; Ambient Temp: 20.3; Tissue Temp: 20.4

## 1 cm space from Body, Rear, WLAN(802.11g) Ch. 11, Ant Internal, MIMO

Area Scan (12x19x1): Measurement grid: dx=12mm, dy=12mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = -0.09 dB
Peak SAR (extrapolated) = 0.276 W/kg
SAR(1 g) = 0.136 W/kg; SAR(10 g) = 0.061 W/kg
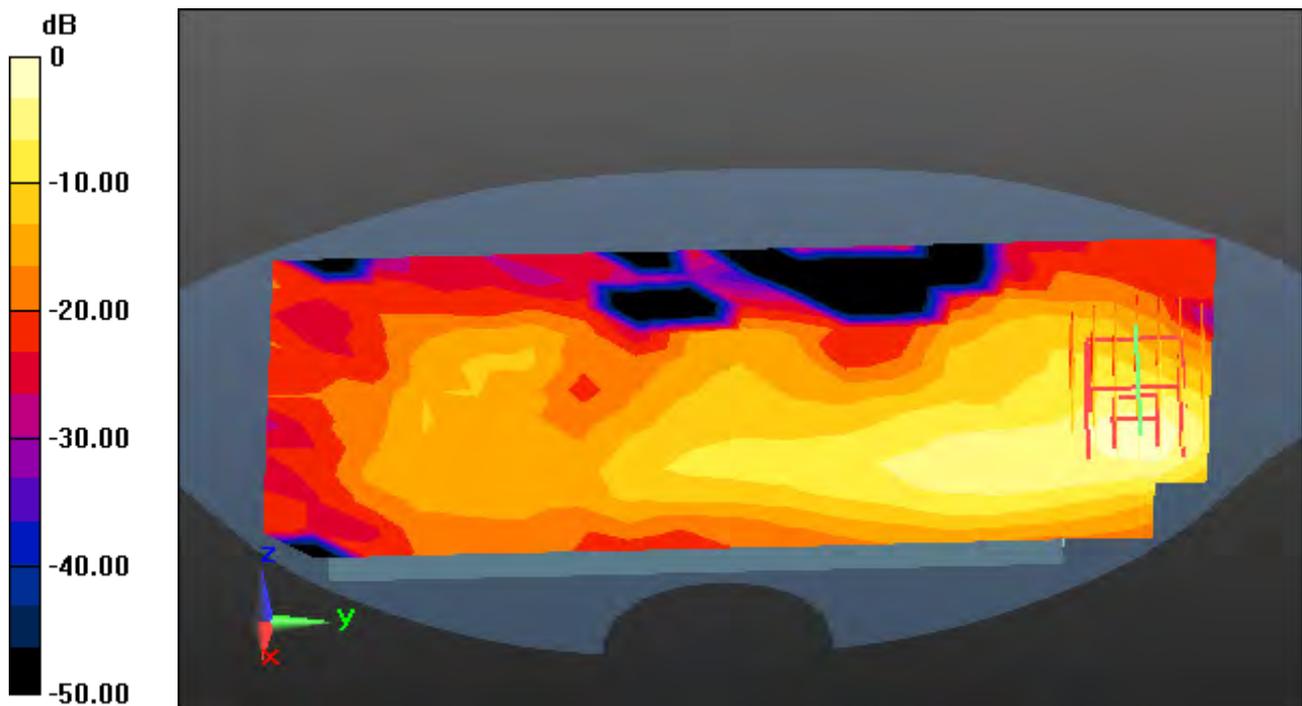
0 dB = 0.205 W/kg
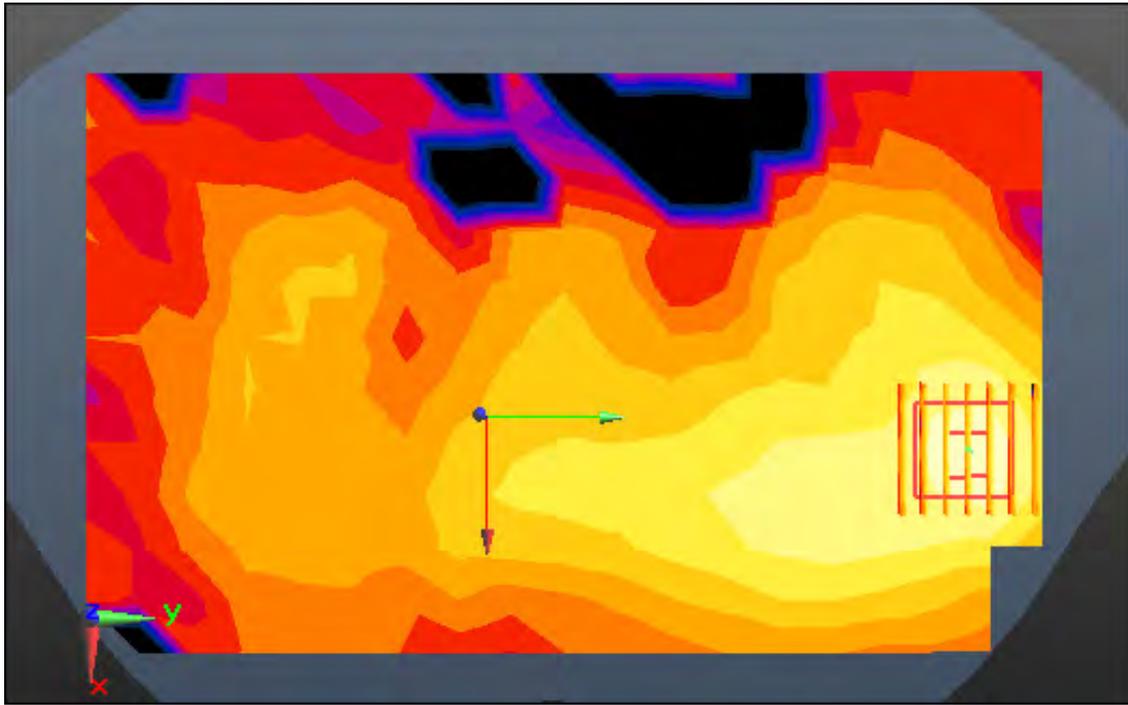
Enlarged Plot for A38

DT&C Co., Ltd.

DUT: LM-G900EM; Type: Bar

Communication System: UID 0, W-LAN_5300 (0); Frequency: 5320 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5320 MHz; σ = 5.362 S/m; ε_r = 49.201; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(4.56, 4.56, 4.56); Calibrated: 9/27/2019 Electronics: DAE3 Sn520
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2013_10_08_right; Type: QD000P40CD; Serial: TP:1785
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-07; Ambient Temp: 20.1; Tissue Temp: 20.7

1 cm space from Body, Rear, WLAN(802.11a) Ch. 64, Ant Internal, Ant.1

Area Scan (15x23x1): 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) = 1.09 W/kg
SAR(1 g) = 0.312 W/kg; SAR(10 g) = 0.113 W/kg
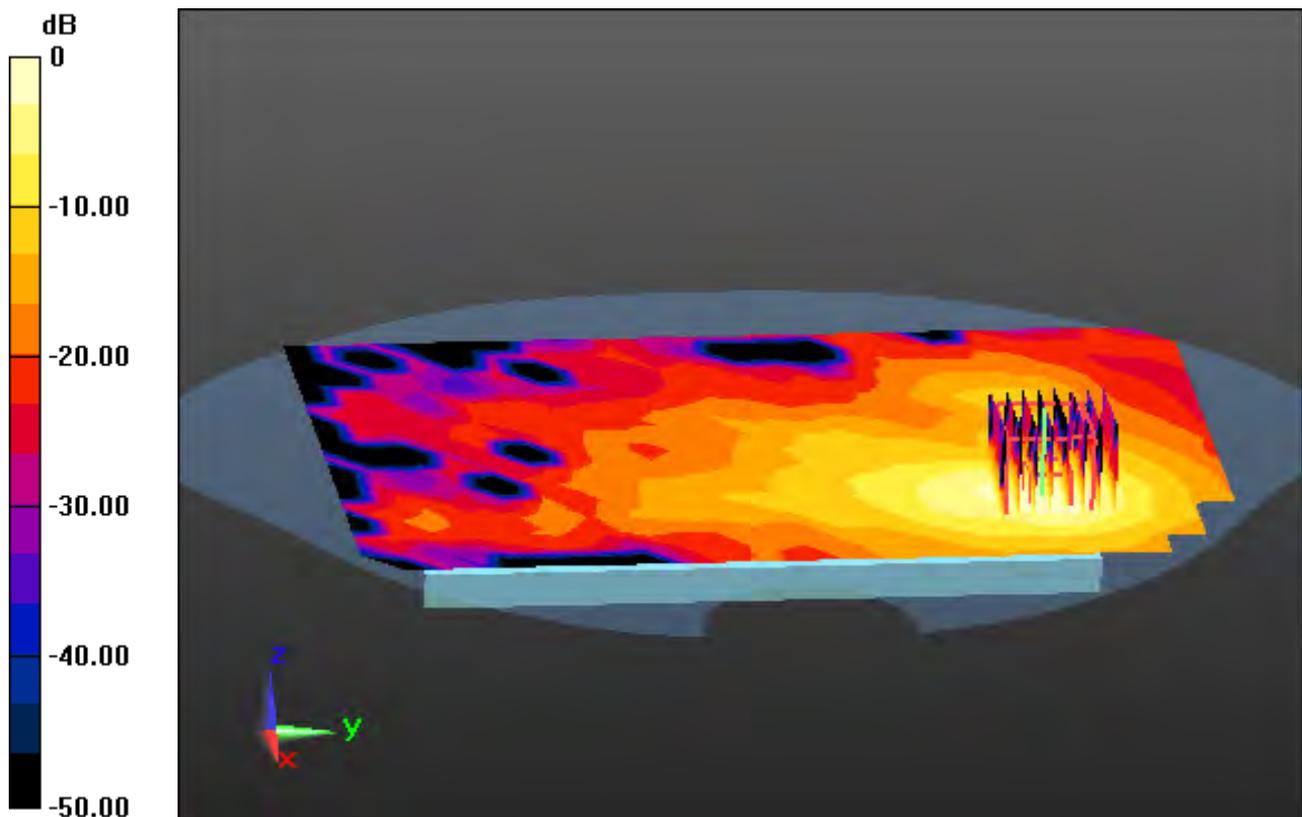
0 dB = 0.690 W/kg
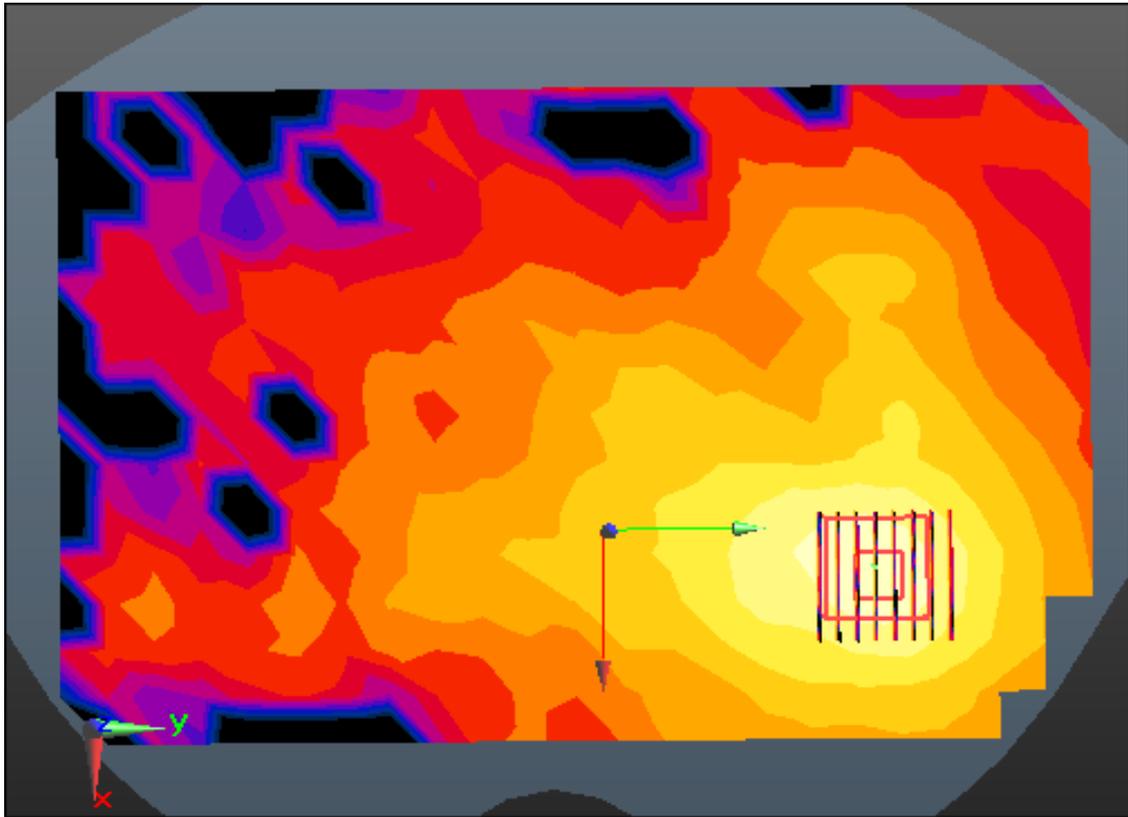
Enlarged Plot for A39

DT&C Co., Ltd.

DUT: LM-G900EM; Type: Bar

Communication System: UID 0, W-LAN_5300 (0); Frequency: 5280 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5280 MHz; σ = 5.3 S/m; ε_r = 49.232; ρ = 1000 kg/m³
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(4.56, 4.56, 4.56); Calibrated: 9/27/2019 Electronics: DAE3 Sn520
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2013_10_08_right; Type: QD000P40CD; Serial: TP:1785
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-07; Ambient Temp: 20.1; Tissue Temp: 20.7

1 cm space from Body, Rear, WLAN(802.11a) Ch. 56, Ant Internal, Ant.2

Area Scan (15x23x1): 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 = 0.04 dB
Peak SAR (extrapolated) = 1.02 W/kg
SAR(1 g) = 0.288 W/kg; SAR(10 g) = 0.104 W/kg

0 dB = 0.643 W/kg

A40
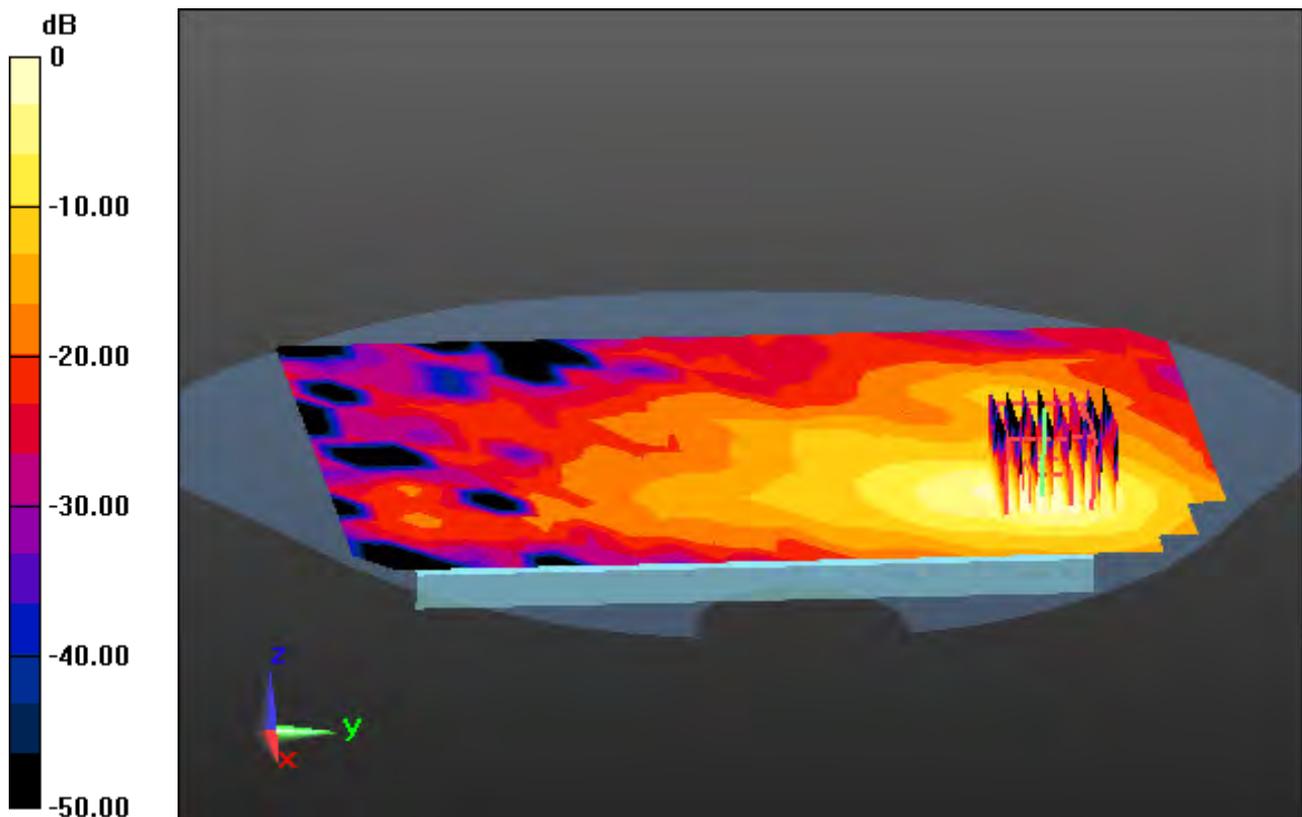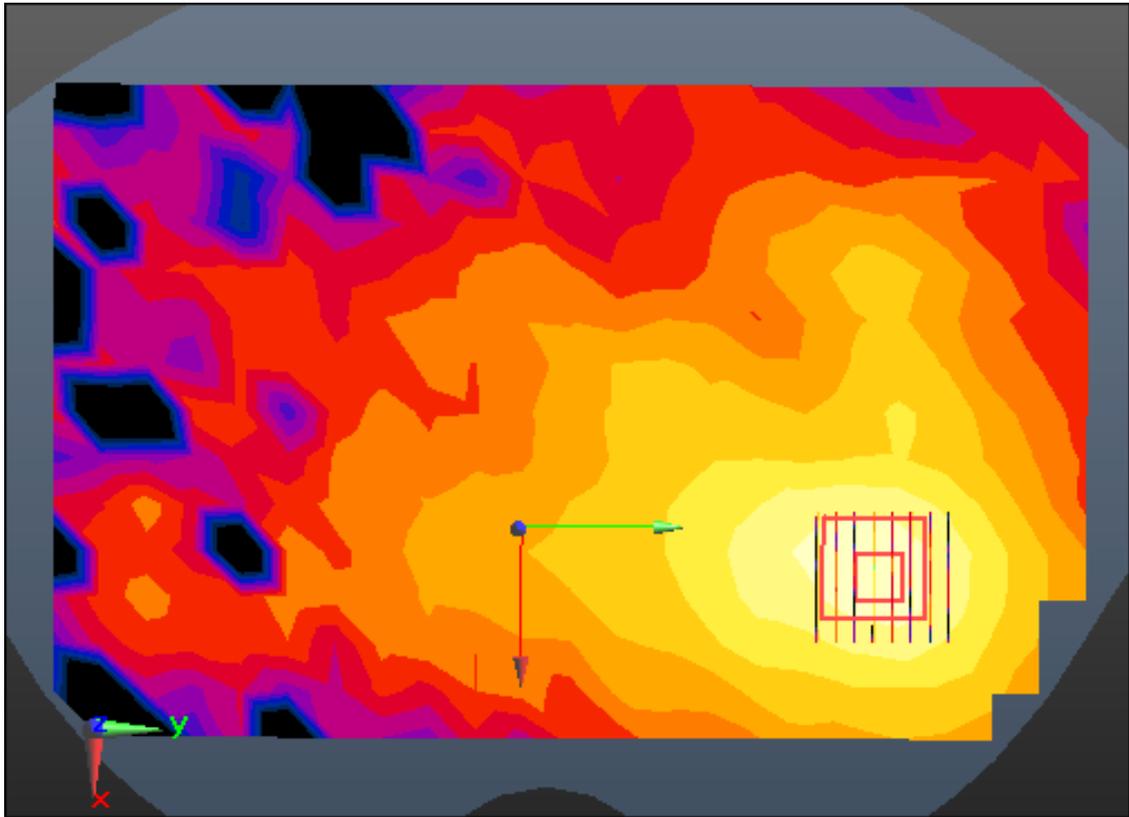
Enlarged Plot for A40

DT&C Co., Ltd.

DUT: LM-G900EM; Type: Bar

Communication System: UID 0, W-LAN_5300 (0); Frequency: 5280 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5280 MHz; σ = 5.3 S/m; ε_r = 49.232; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(4.56, 4.56, 4.56); Calibrated: 9/27/2019 Electronics: DAE3 Sn520
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2013_10_08_right; Type: QD000P40CD; Serial: TP:1785
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-07; Ambient Temp: 20.1; Tissue Temp: 20.7

1 cm space from Body, Rear, WLAN(802.11a) Ch. 56, Ant Internal, MIMO

Area Scan (15x23x1): 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) = 1.11 W/kg
SAR(1 g) = 0.321 W/kg; SAR(10 g) = 0.119 W/kg

0 dB = 0.715 W/kg

A41
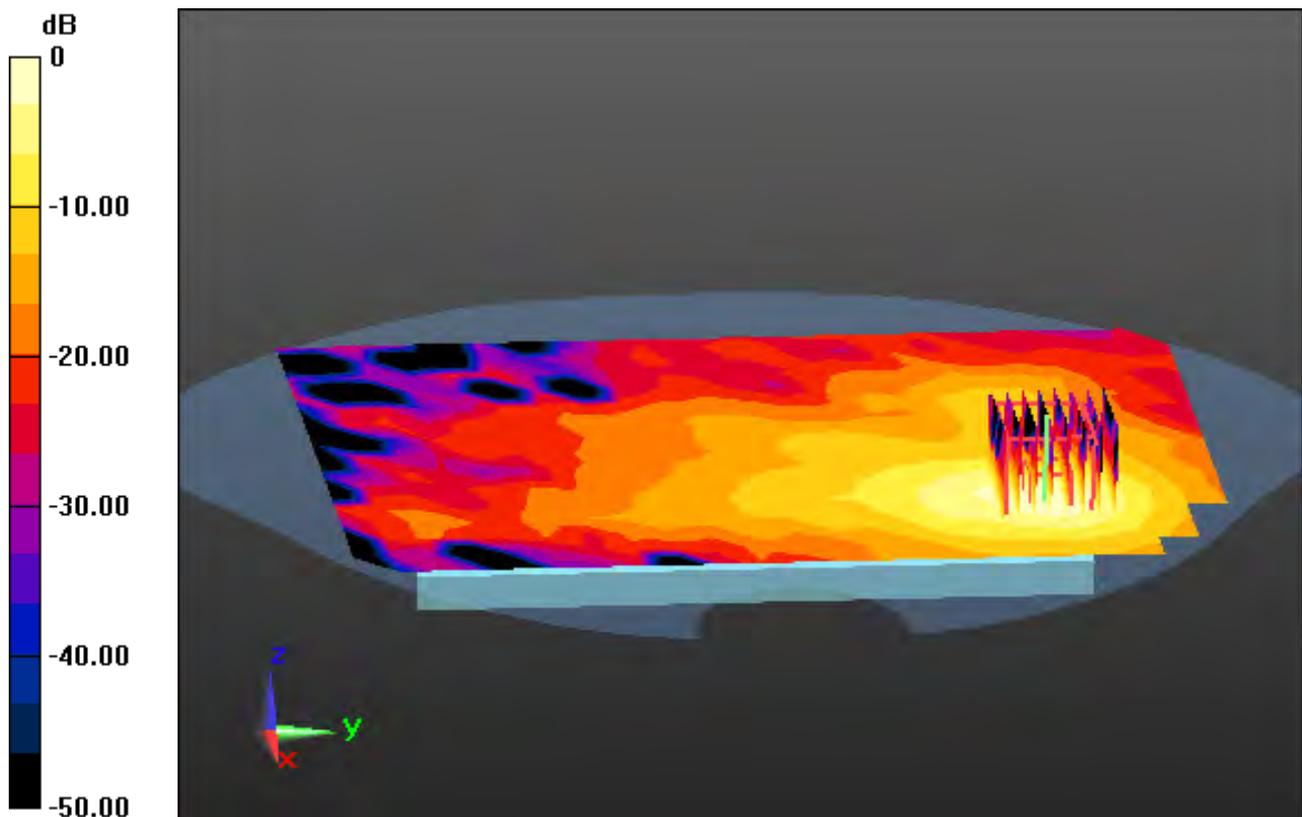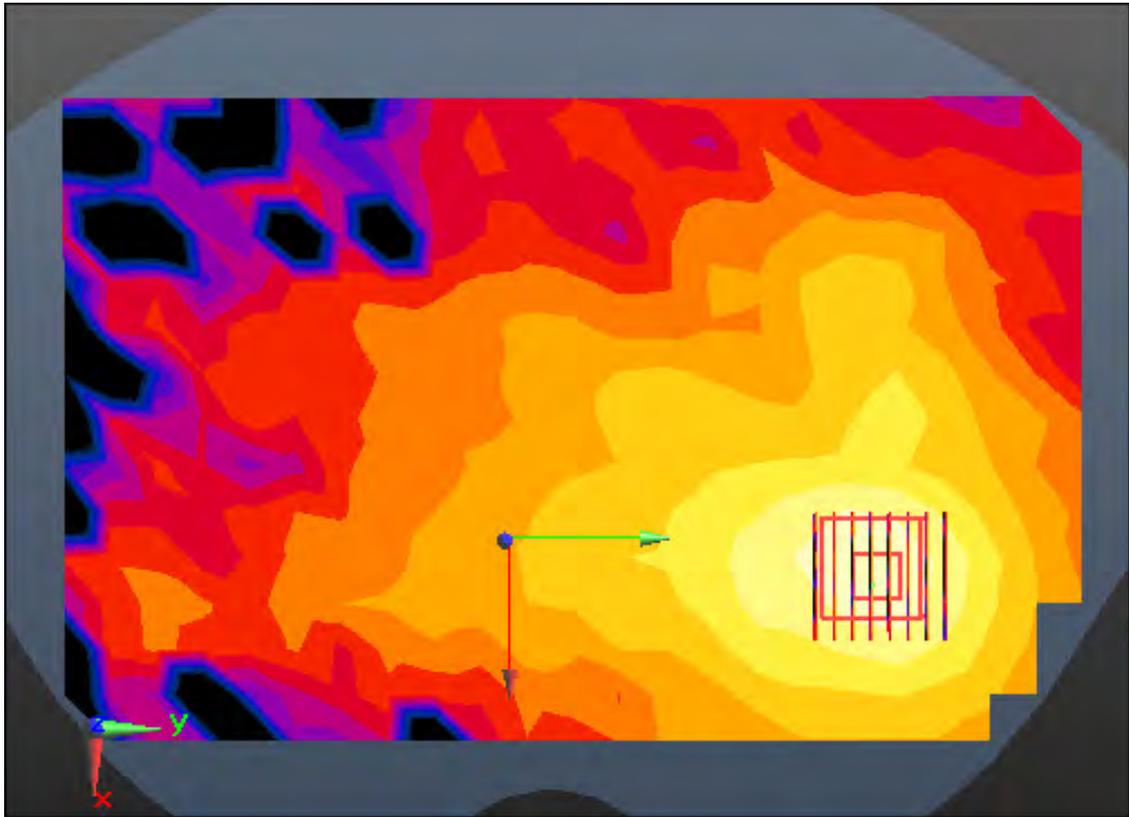
Enlarged Plot for A41

DT&C Co., Ltd.

DUT: LM-G900EM; Type

Communication System: UID 0, W-LAN_5500 (0); Frequency: 5500 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5500 MHz; σ = 5.751 S/m; ε_r = 48.671; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(4.2, 4.2, 4.2); Calibrated: 9/27/2019 Electronics: DAE3 Sn520
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2013_10_08_right; Type: QD000P40CD; Serial: TP:1785
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-08; Ambient Temp: 21.1; Tissue Temp: 21.6

**1 cm space from Body, Rear, WLAN(802.11a) Ch. 100, Ant Internal, Ant.1**

Area Scan (15x23x1): Measurement grid: dx=10mm, dy=10mm
**Zoom Scan (8x8x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio:1.4
Power Drift = -0.11 dB
Peak SAR (extrapolated) = 0.772 W/kg
SAR(1 g) = 0.199 W/kg; SAR(10 g) = 0.069 W/kg

0 dB = 0.488 W/kg

A42
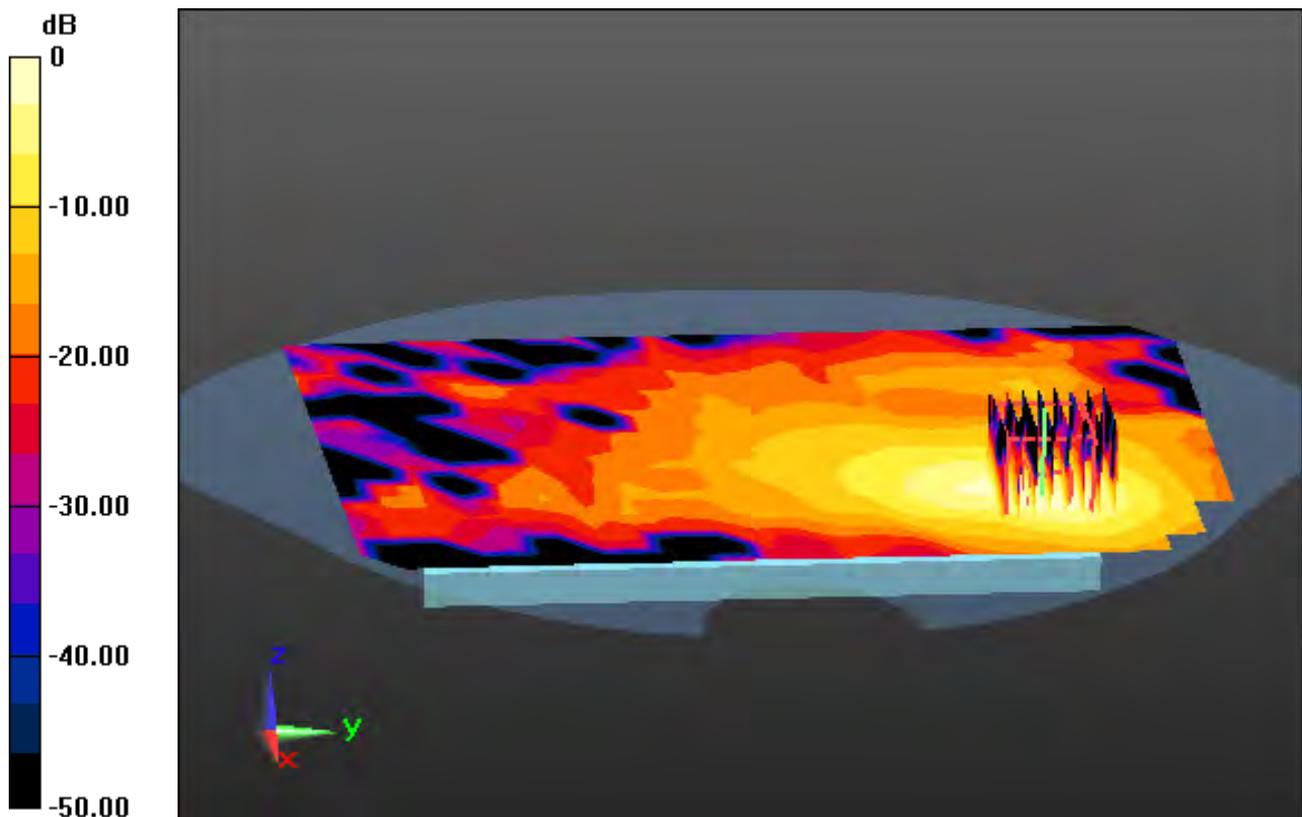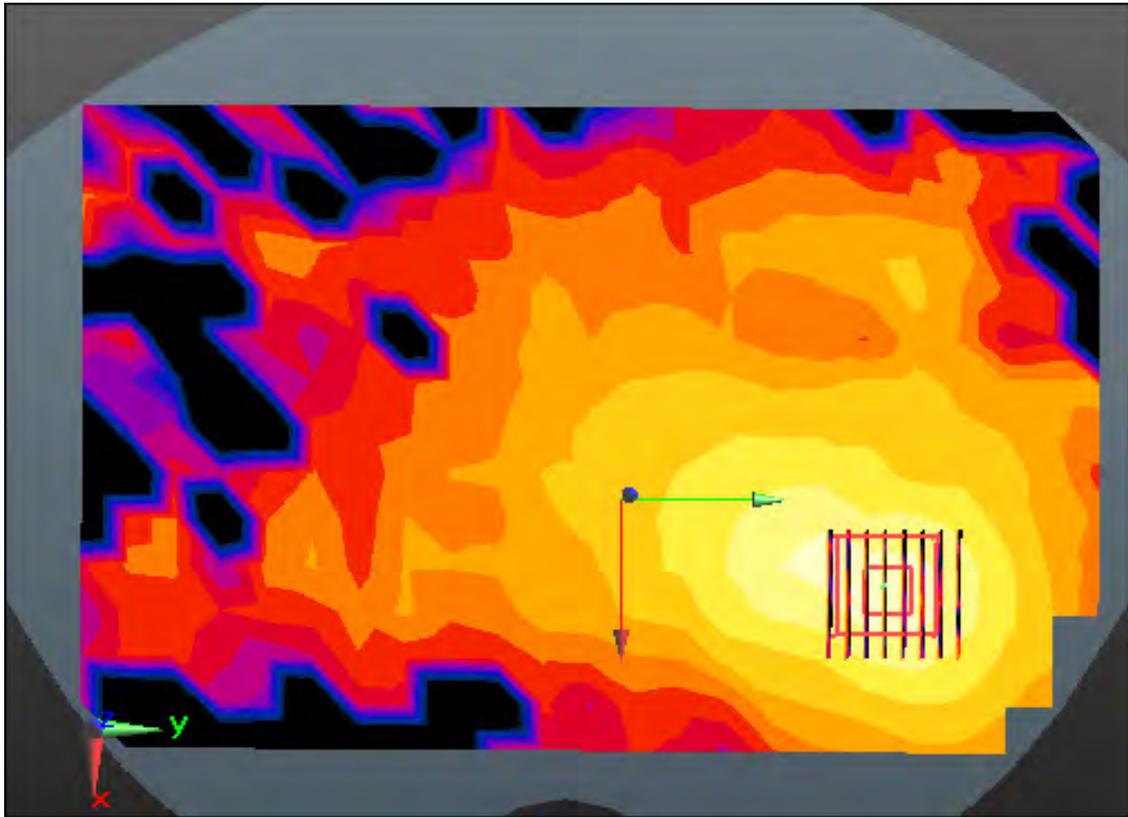
Enlarged Plot for A42

DT&C Co., Ltd.

DUT: LM-G900EM; Type: Bar

Communication System: UID 0, W-LAN_5600 (0); Frequency: 5720 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5720 MHz; σ = 6.062 S/m; $ε_r$ = 48.288; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(4.13, 4.13, 4.13); Calibrated: 9/27/2019 Electronics: DAE3 Sn520
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2013_10_08_right; Type: QD000P40CD; Serial: TP:1785
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-08; Ambient Temp: 21.1; Tissue Temp: 21.6

1 cm space from Body, Rear, WLAN(802.11a) Ch. 144, Ant Internal, Ant.2

Area Scan (15x23x1): 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 = 0.15 dB
Peak SAR (extrapolated) = 0.173 W/kg
SAR(1 g) = 0.040 W/kg; SAR(10 g) = 0.014 W/kg

0 dB = 0.108 W/kg

A43
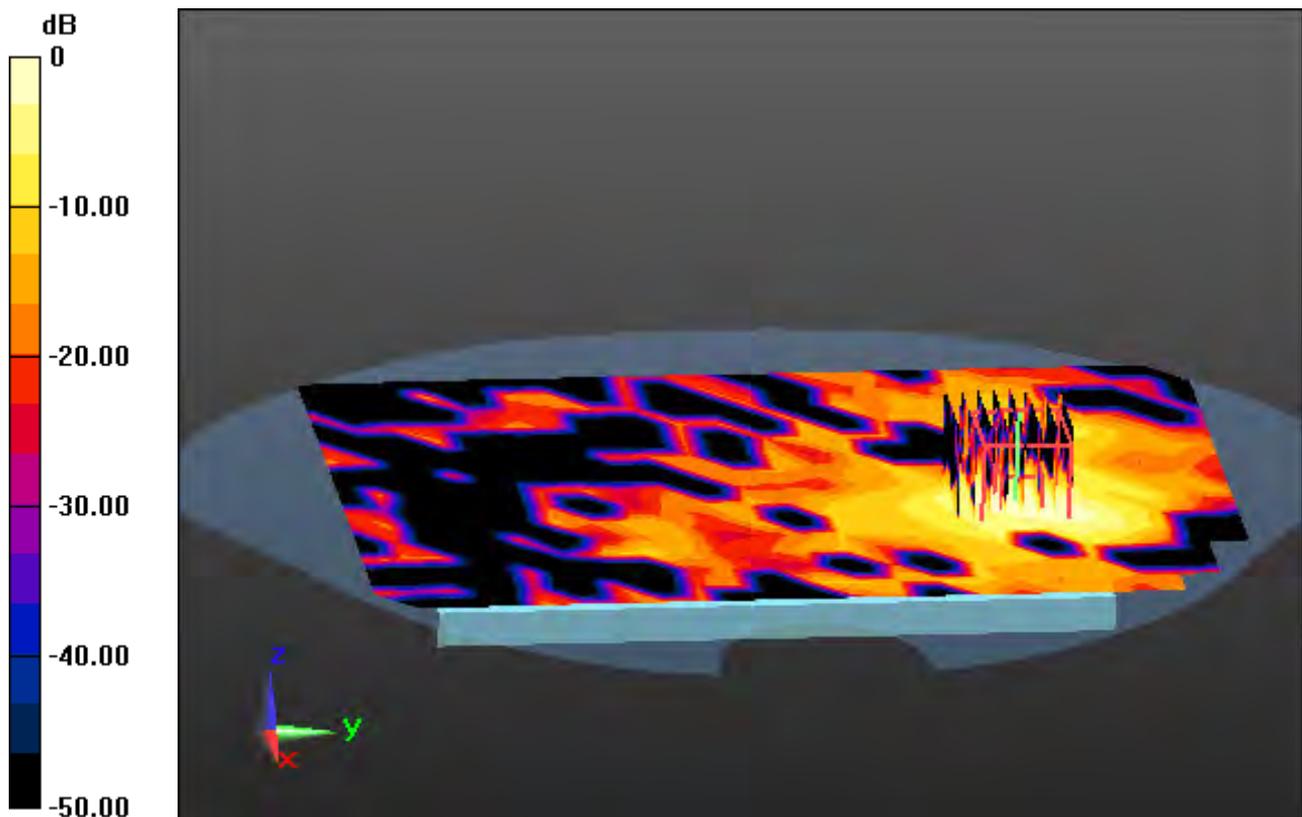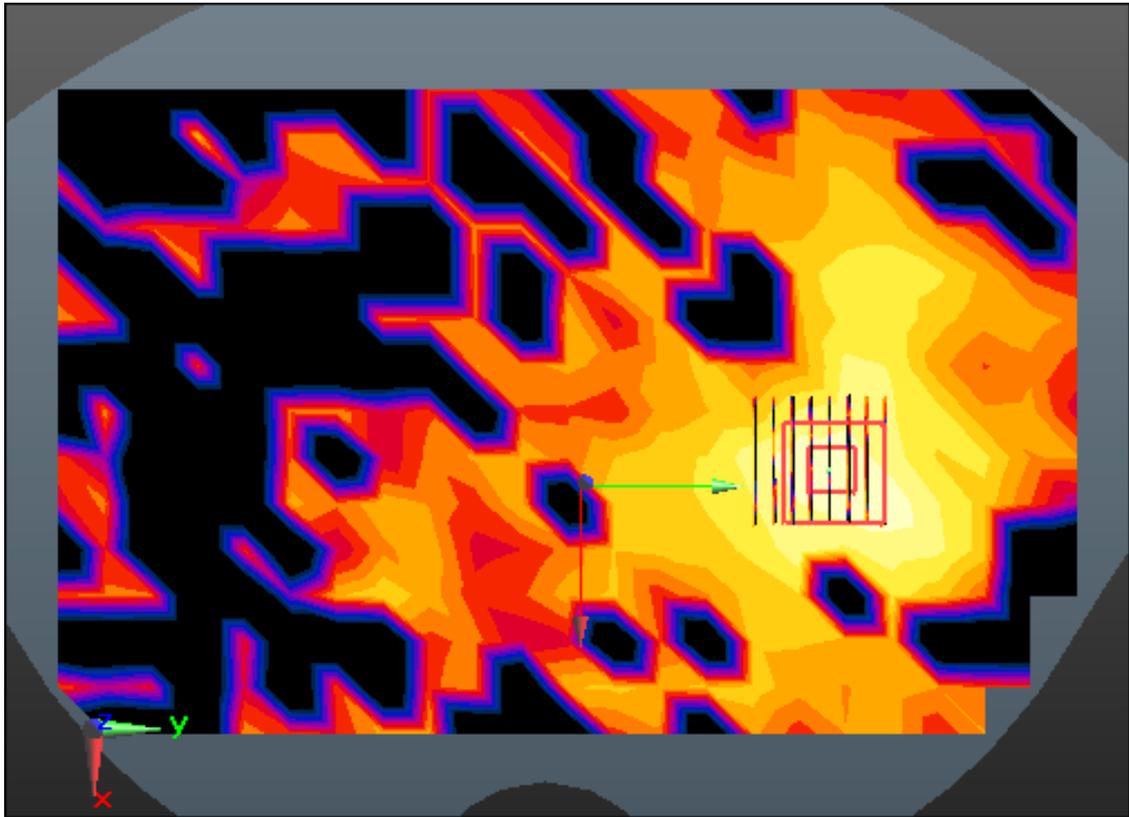
Enlarged Plot for A43

DT&C Co., Ltd.

DUT: LM-G900EM; Type: Bar

Communication System: UID 0, W-LAN_5500 (0); Frequency: 5500 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5500 MHz; σ = 5.751 S/m; ε_r = 48.671; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(4.2, 4.2, 4.2); Calibrated: 9/27/2019 Electronics: DAE3 Sn520
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2013_10_08_right; Type: QD000P40CD; Serial: TP:1785
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-08; Ambient Temp: 21.1; Tissue Temp: 21.6

1 cm space from Body, Rear, WLAN(802.11a) Ch. 100, Ant Internal, MIMO

Area Scan (15x23x1): 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 = -0.15 dB
Peak SAR (extrapolated) = 1.11 W/kg
SAR(1 g) = 0.310 W/kg; SAR(10 g) = 0.125 W/kg

0 dB = 0.693 W/kg

A44
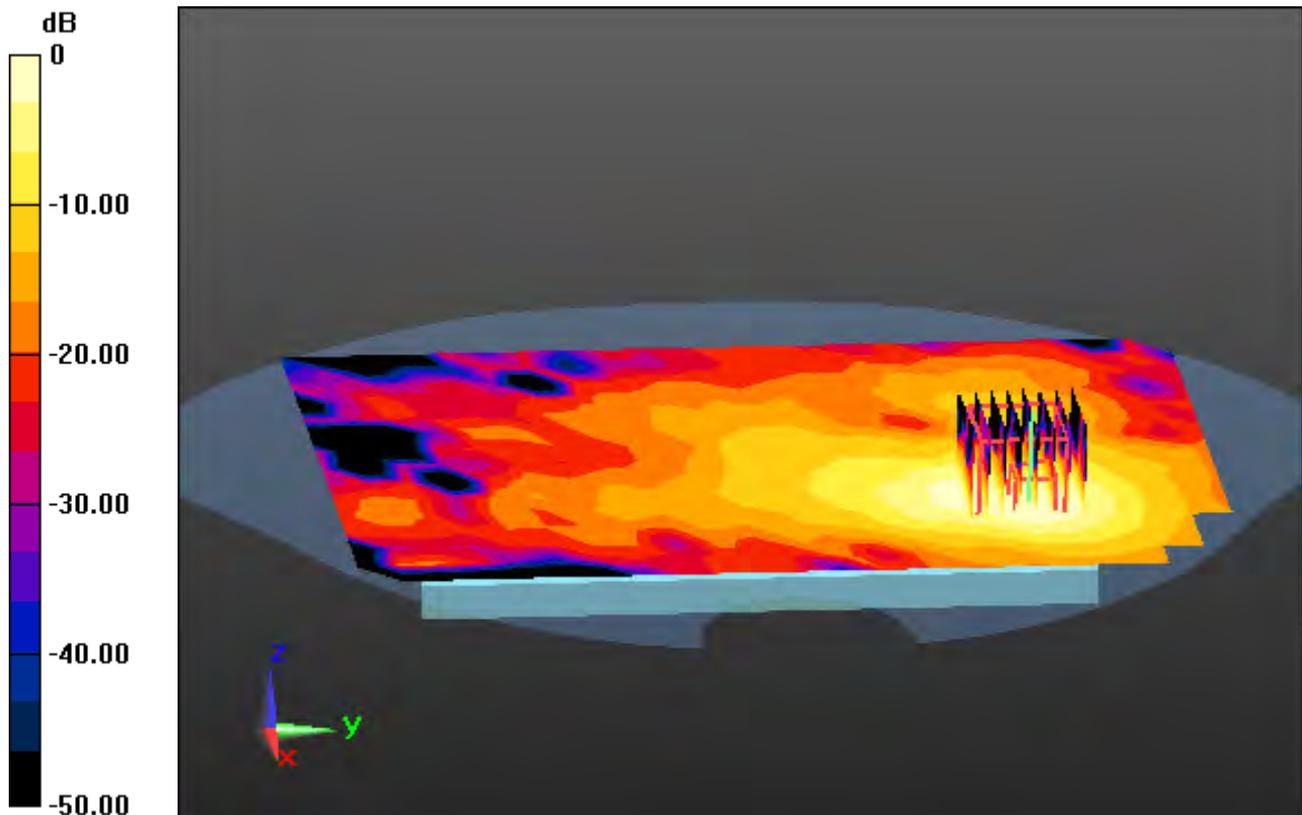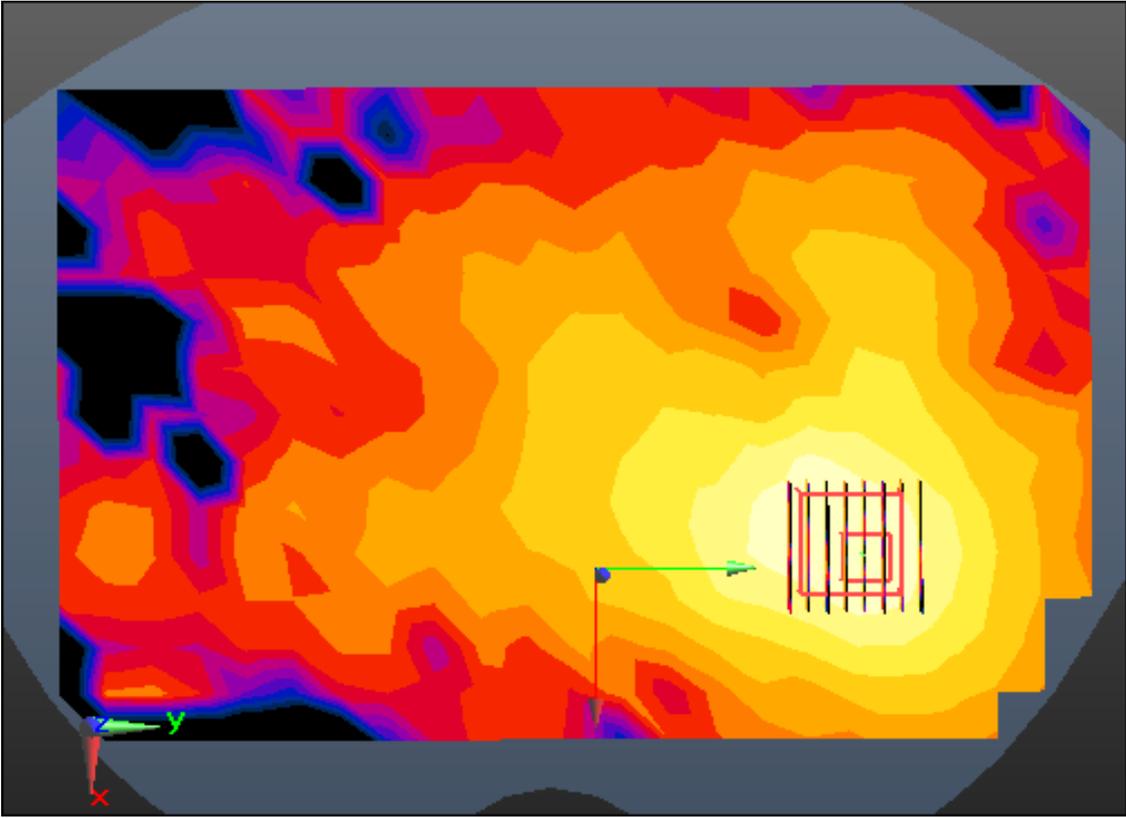
Enlarged Plot for A44

DT&C Co., Ltd.

DUT: LM-G900EM; Type: Bar

Communication System: UID 0, W-LAN_5800 (0); Frequency: 5825 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5825 MHz; σ = 6.234 S/m; ε_r = 48.336; ρ = 1000 kg/m³
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(4.13, 4.13, 4.13); Calibrated: 9/27/2019 Electronics: DAE3 Sn520
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2013_10_08_right; Type: QD000P40CD; Serial: TP:1785
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-09; Ambient Temp: 20.7; Tissue Temp: 20.9

1 cm space from Body, Rear, WLAN(802.11a) Ch. 165, Ant Internal, Ant.1

Area Scan (15x23x1): 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 = 0.06 dB
Peak SAR (extrapolated) = 0.279 W/kg
SAR(1 g) = 0.059 W/kg; SAR(10 g) = 0.021 W/kg

0 dB = 0.159 W/kg

A45
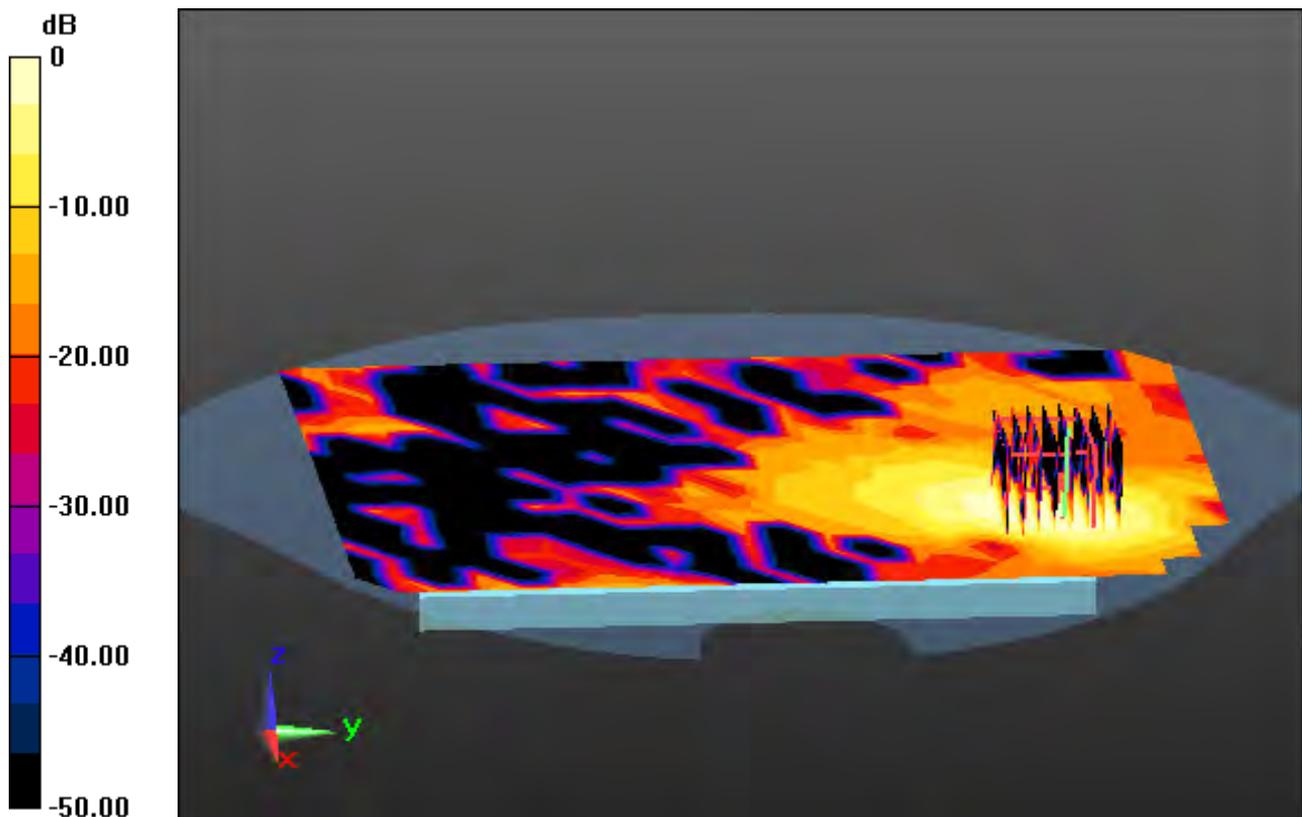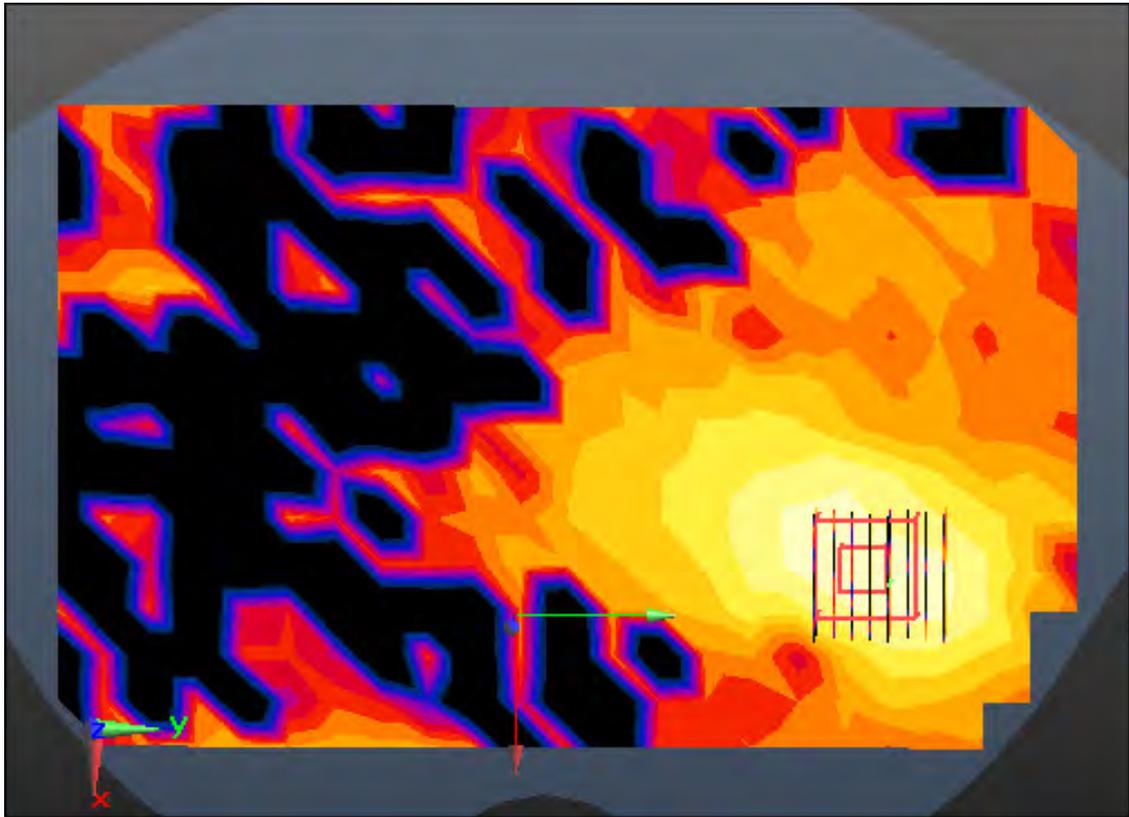
Enlarged Plot for A45

DT&C Co., Ltd.

DUT: LM-G900EM; Type: Bar

Communication System: UID 0, W-LAN_5800 (0); Frequency: 5825 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5825 MHz; σ = 6.234 S/m; $ε_r$ = 48.336; ρ = 1000 kg/m³
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(4.13, 4.13, 4.13); Calibrated: 9/27/2019 Electronics: DAE3 Sn520
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2013_10_08_right; Type: QD000P40CD; Serial: TP:1785
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-09; Ambient Temp: 20.7; Tissue Temp: 20.9

1 cm space from Body, Rear, WLAN(802.11a) Ch. 165, Ant Internal, Ant.2

Area Scan (15x23x1): 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) = 0.242 W/kg
SAR(1 g) = 0.058 W/kg; SAR(10 g) = 0.019 W/kg

0 dB = 0.151 W/kg

A46
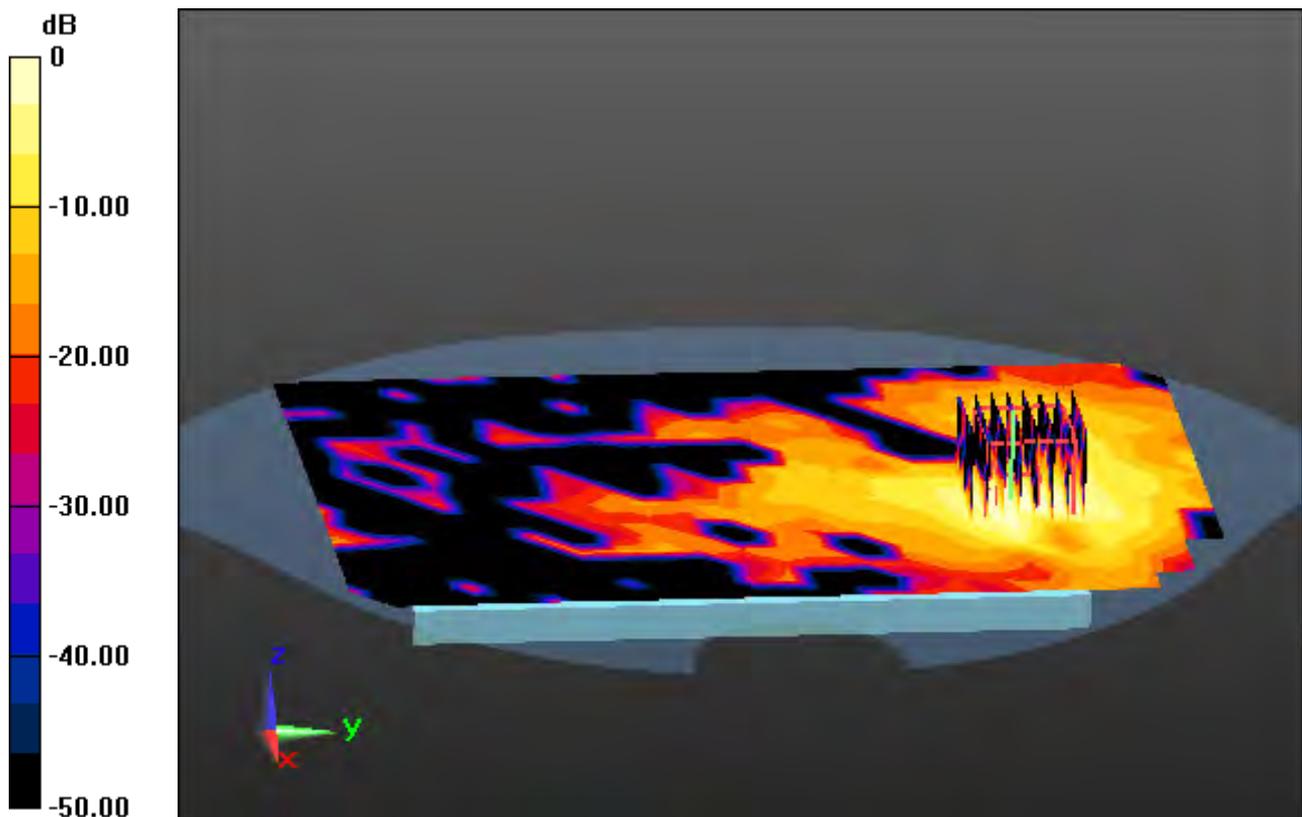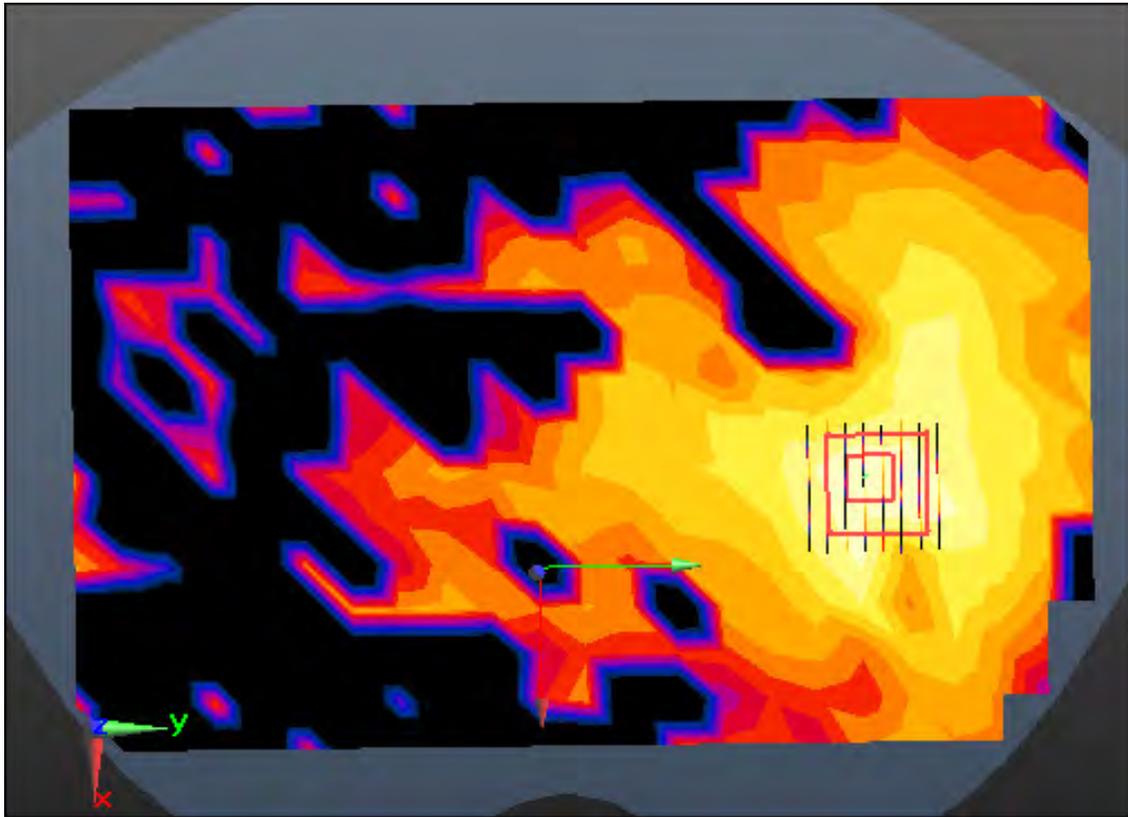
Enlarged Plot for A46

DT&C Co., Ltd.

DUT: LM-G900EM; Type: Bar

Communication System: UID 0, W-LAN_5800 (0); Frequency: 5825 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5825 MHz; σ = 6.234 S/m; ε_r = 48.336; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(4.13, 4.13, 4.13); Calibrated: 9/27/2019 Electronics: DAE3 Sn520
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2013_10_08_right; Type: QD000P40CD; Serial: TP:1785
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-09; Ambient Temp: 20.7; Tissue Temp: 20.9

1 cm space from Body, Rear, WLAN(802.11a) Ch. 165, Ant Internal, MIMO

Area Scan (15x23x1): 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 = -0.10 dB
Peak SAR (extrapolated) = 0.475 W/kg
SAR(1 g) = 0.100 W/kg; SAR(10 g) = 0.034 W/kg

0 dB = 0.285 W/kg

A47
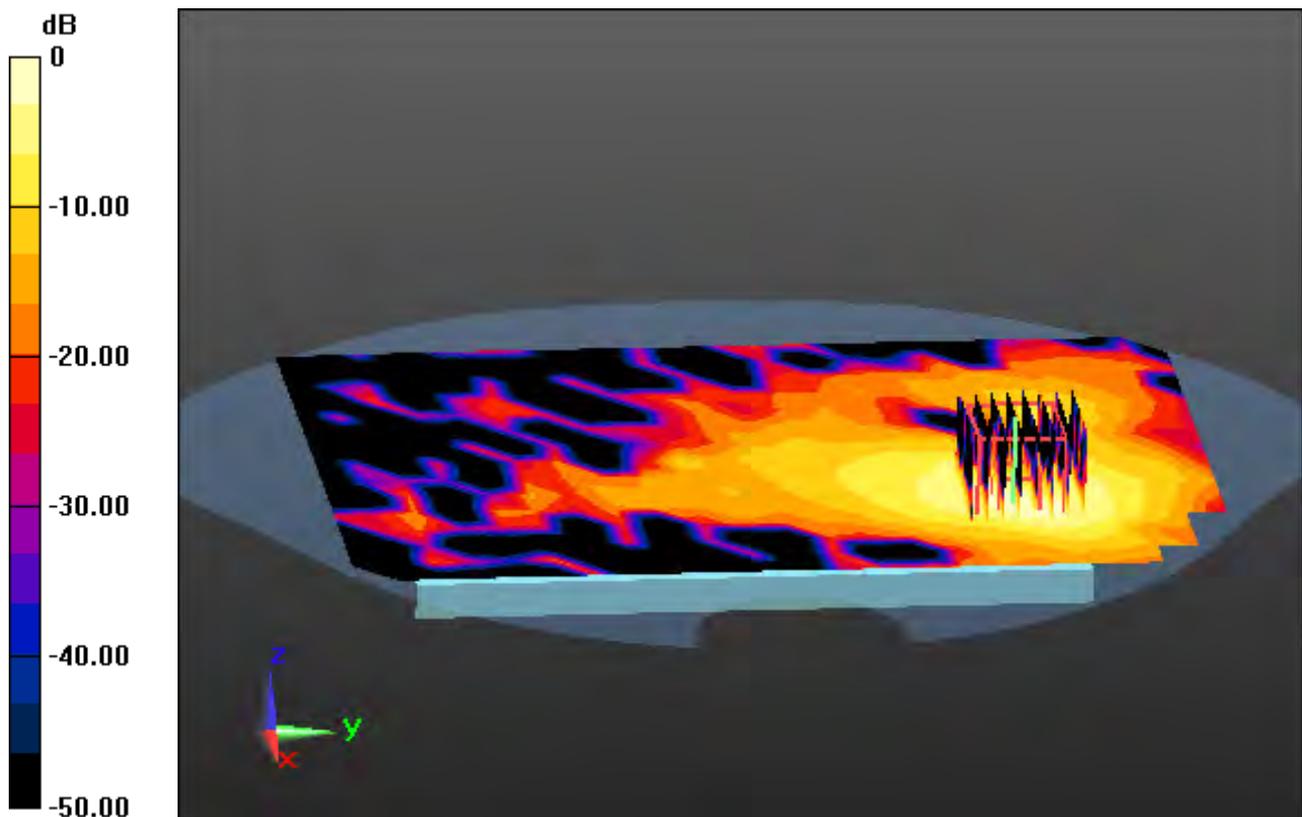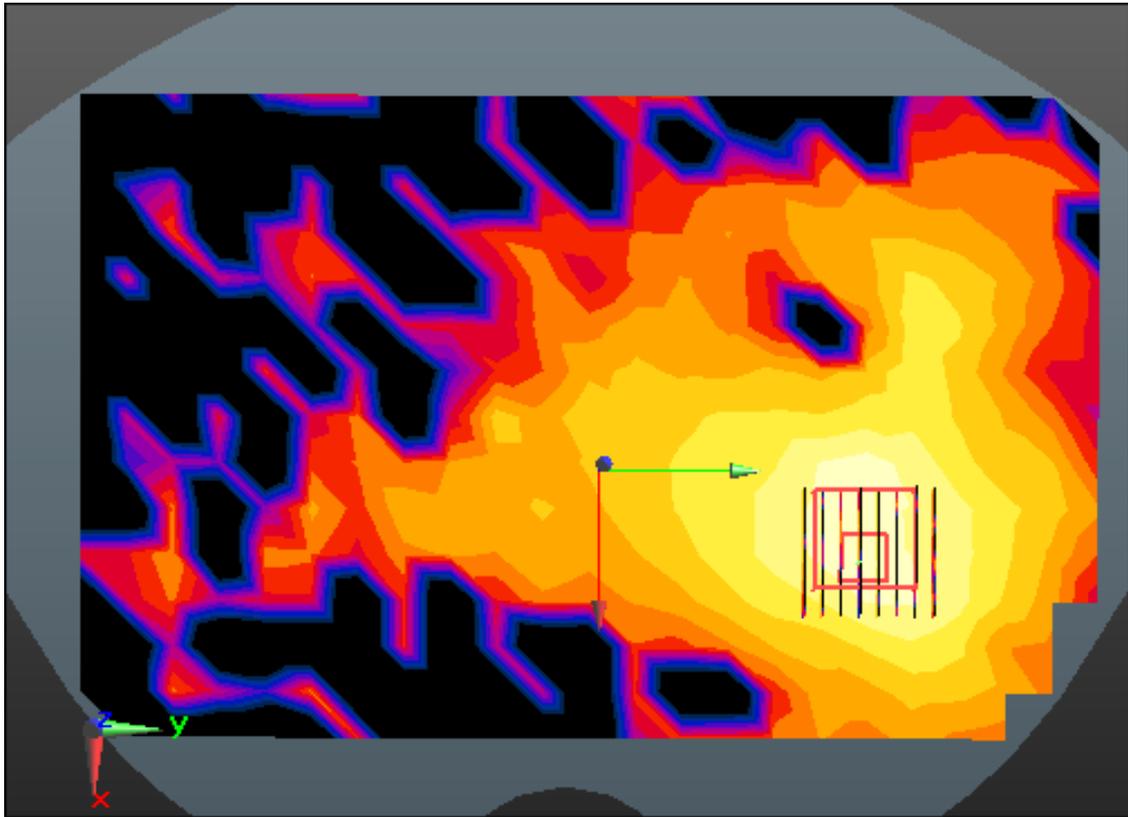
Enlarged Plot for A47

DT&C Co., Ltd.

DUT: LM-G900EM; Type: Bar

Communication System: UID 0, Bluetooth (0); Frequency: 2441 MHz;Duty Cycle: 1:1.302
Medium parameters used: f = 2441 MHz; σ = 1.981 S/m; ε_r = 51.705; ρ = 1000 kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(7.27, 7.27, 7.27); Calibrated: 5/28/2019 Electronics: DAE4 Sn1335
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM-twin right_2013_09_24; Type: QD000P40CD; Serial: TP:1783
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-08; Ambient Temp: 20.3; Tissue Temp: 20.4

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

Area Scan (12x19x1): Measurement grid: dx=12mm, dy=12mm
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Power Drift = -0.09 dB
Peak SAR (extrapolated) = 0.0270 W/kg
SAR(1 g) = 0.015 W/kg; SAR(10 g) = 0.00544 W/kg
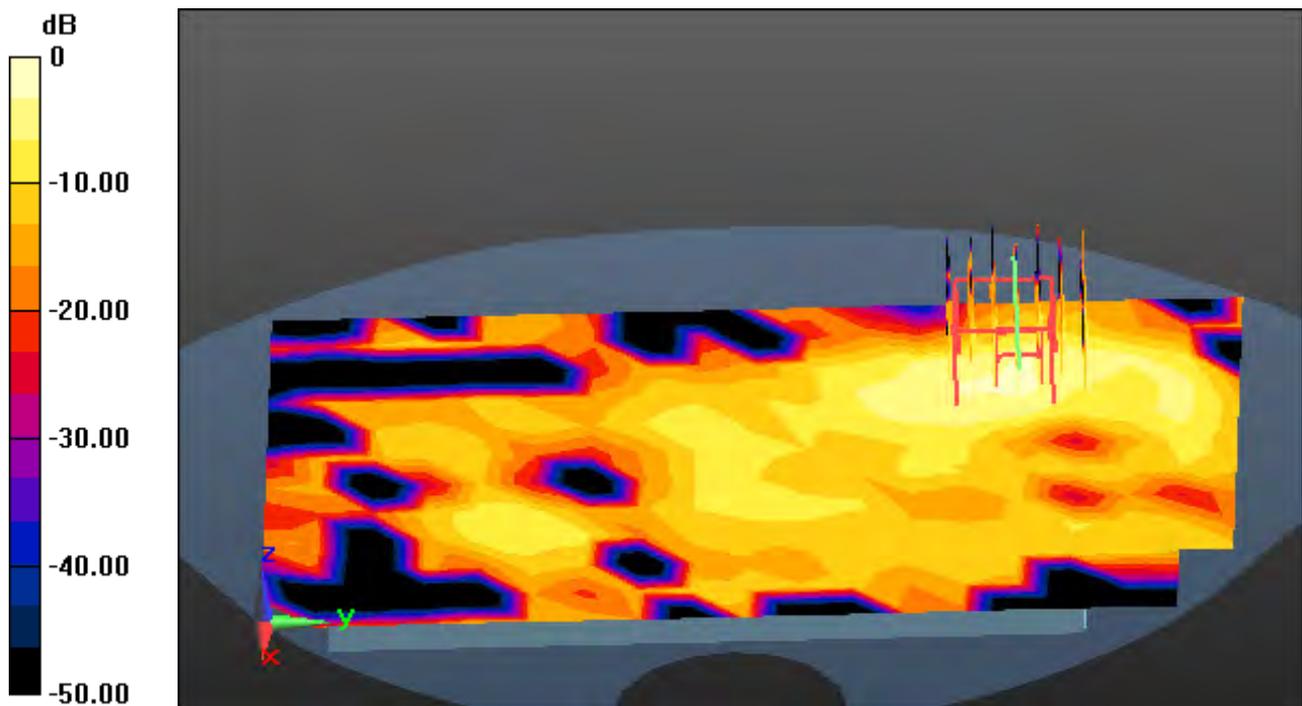
0 dB = 0.0283 W/kg
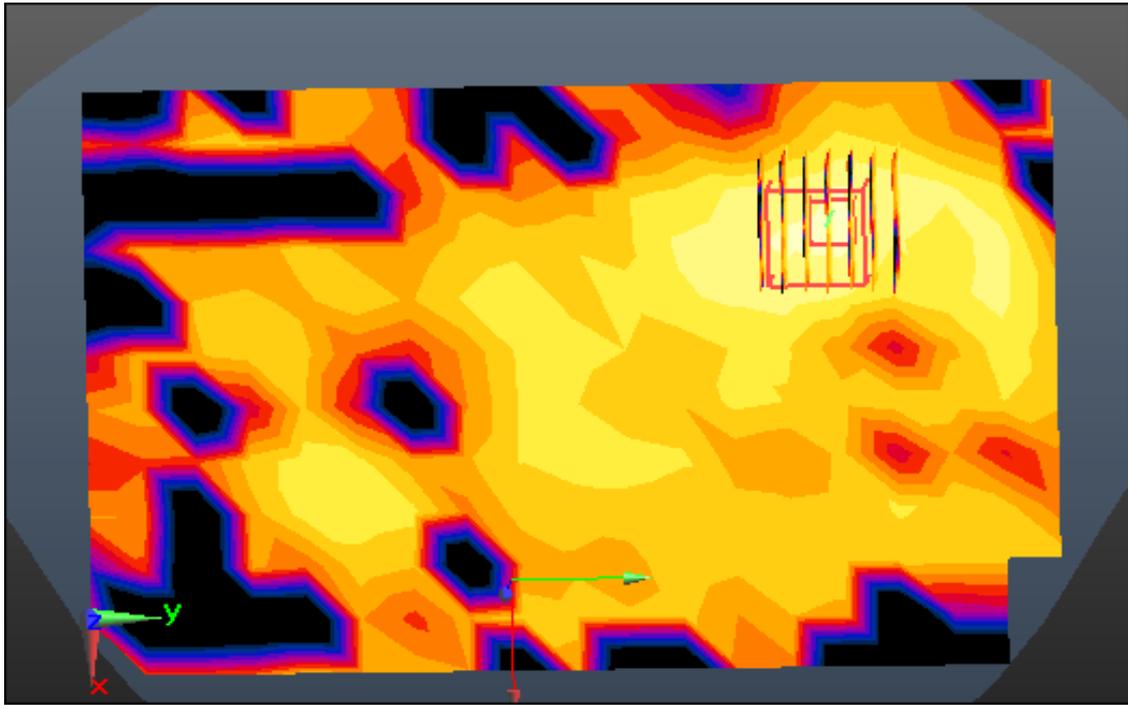
Enlarged Plot for A48

DT&C Co., Ltd.

DUT: LM-G900EM; Type: Bar;

Communication System: UID 0, PCS1900_3 Tx (0); Frequency: 1880 MHz; Duty Cycle: 1:2.77
Medium parameters used: f = 1880 MHz; σ = 1.535 S/m; ε_r = 51.77; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(7.51, 7.51, 7.51); Calibrated: 5/28/2019 Electronics: DAE4 Sn1335
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM-twin right_2013_09_24; Type: QD000P40CD; Serial: TP:1783
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-02; Ambient Temp: 20.1; Tissue Temp: 20.2

## 1 cm space from Body, Bottom, PCS1900 GPRS 3 Tx 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 = -0.11 dB
Peak SAR (extrapolated) = 1.05 W/kg
SAR(1 g) = 0.588 W/kg; SAR(10 g) = 0.317 W/kg

0 dB = 0.819 W/kg

A49
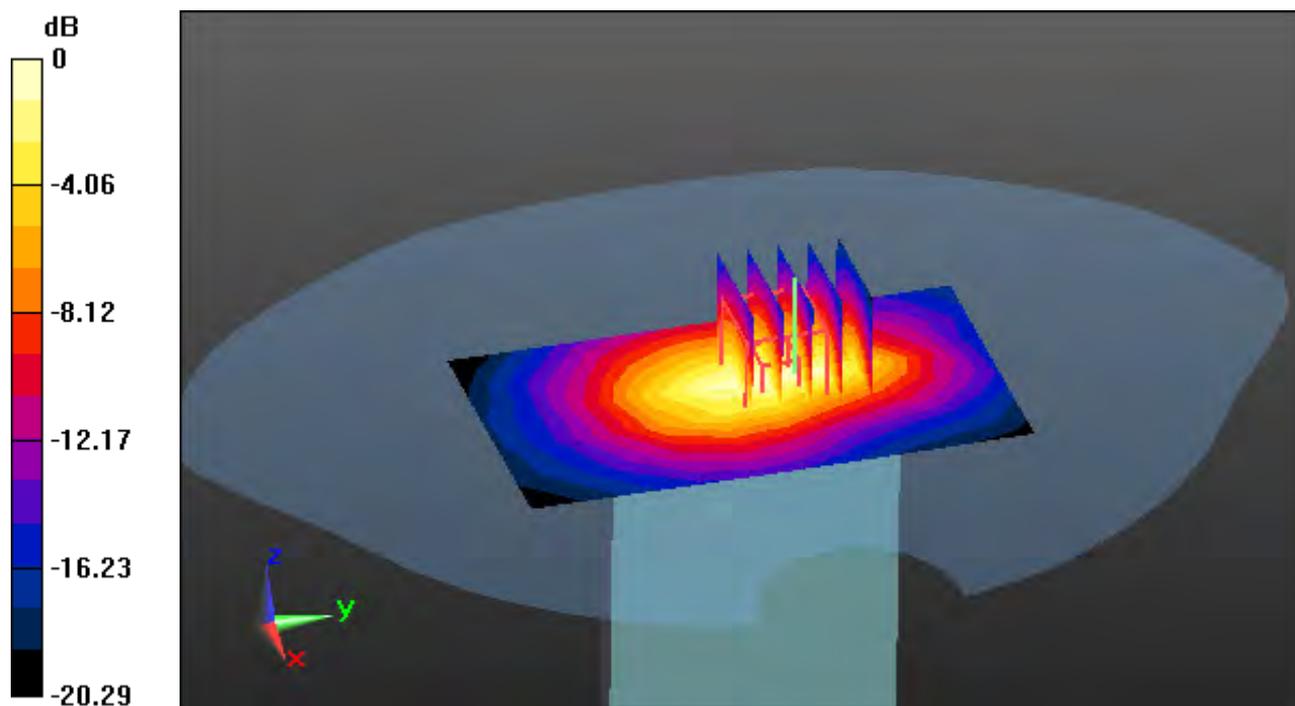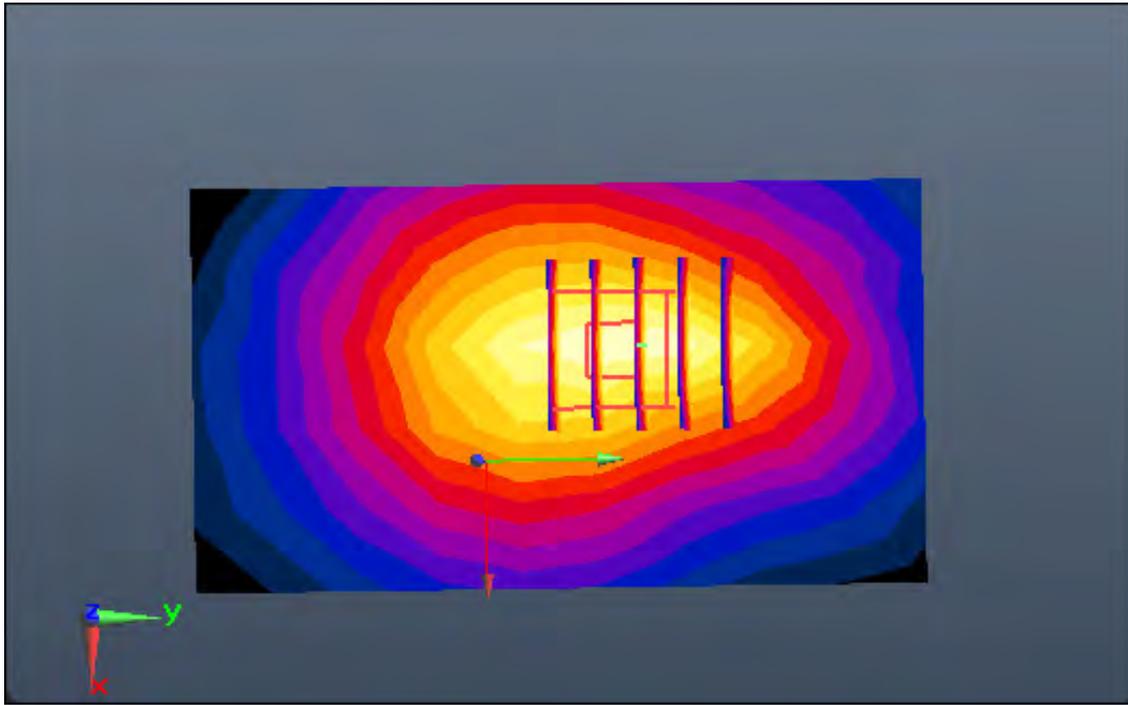
Enlarged Plot for A49

DT&C Co., Ltd.

DUT: LM-G900EM; Type: Bar

Communication System: UID 0, WCDMA 1900 (0); Frequency: 1852.4 MHz; Duty Cycle: 1:1
Medium parameters used: f = 1852.4 MHz; σ = 1.507 S/m; ε_r = 52.008; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(7.51, 7.51, 7.51); Calibrated: 5/28/2019 Electronics: DAE4 Sn1335
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM-twin right_2013_09_24; Type: QD000P40CD; Serial: TP:1783
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-02; Ambient Temp: 20.1; Tissue Temp: 20.2

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 = -0.05 dB
Peak SAR (extrapolated) = 1.81 W/kg
SAR(1 g) = 0.998 W/kg; SAR(10 g) = 0.539 W/kg

0 dB = 1.43 W/kg

A50
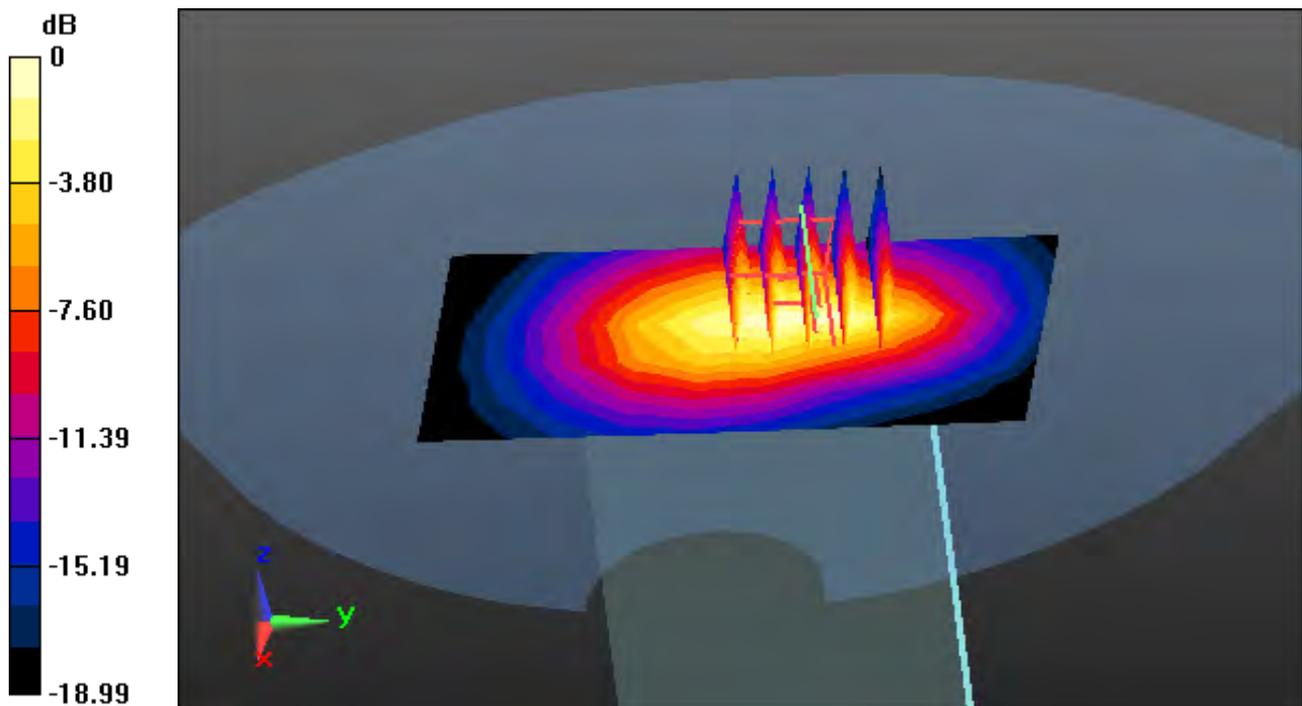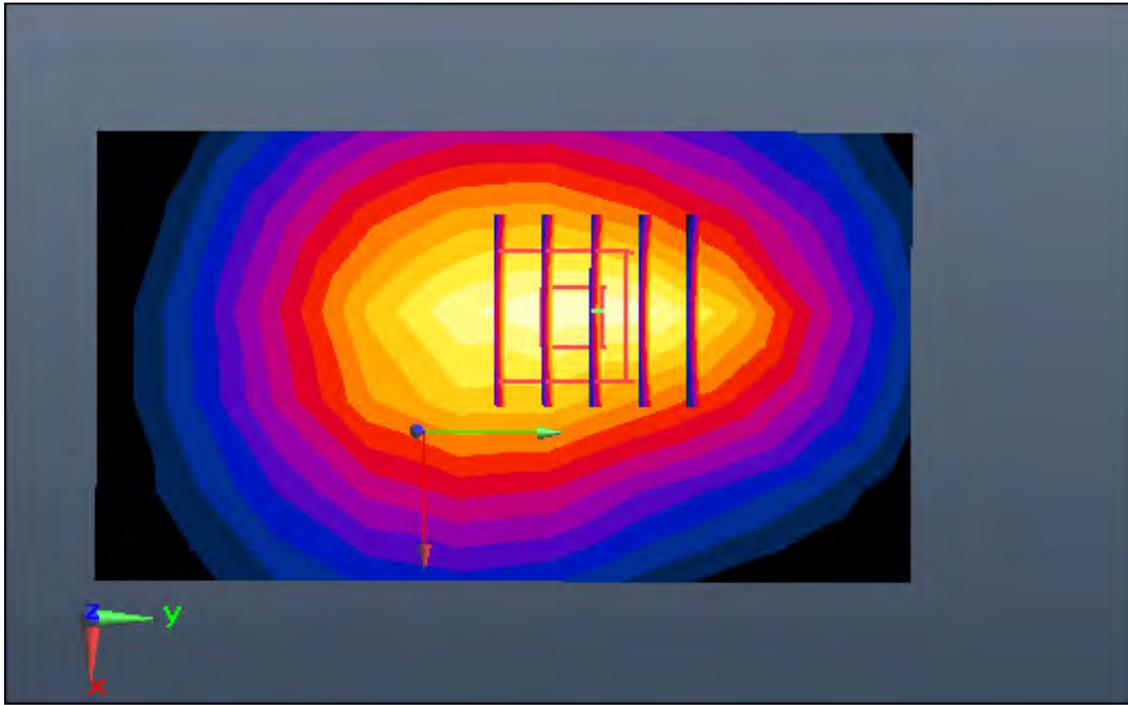
Enlarged Plot for A50

DT&C Co., Ltd.

DUT: LM-G900EM; Type: Bar

Communication System: UID 0, LTE Band 4 (0); Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.475 S/m; ε_r = 53.109; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(7.74, 7.74, 7.74); Calibrated: 5/28/2019 Electronics: DAE4 Sn1335
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM-twin right_2013_09_24; Type: QD000P40CD; Serial: TP:1783
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-06; Ambient Temp: 20.1; Tissue Temp: 20.5

1 cm space from Body, Bottom, LTE Band 4 Ch. 20175, 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 = -0.05 dB
Peak SAR (extrapolated) = 1.23 W/kg
SAR(1 g) = 0.729 W/kg; SAR(10 g) = 0.403 W/kg

0 dB = 0.983 W/kg

A51
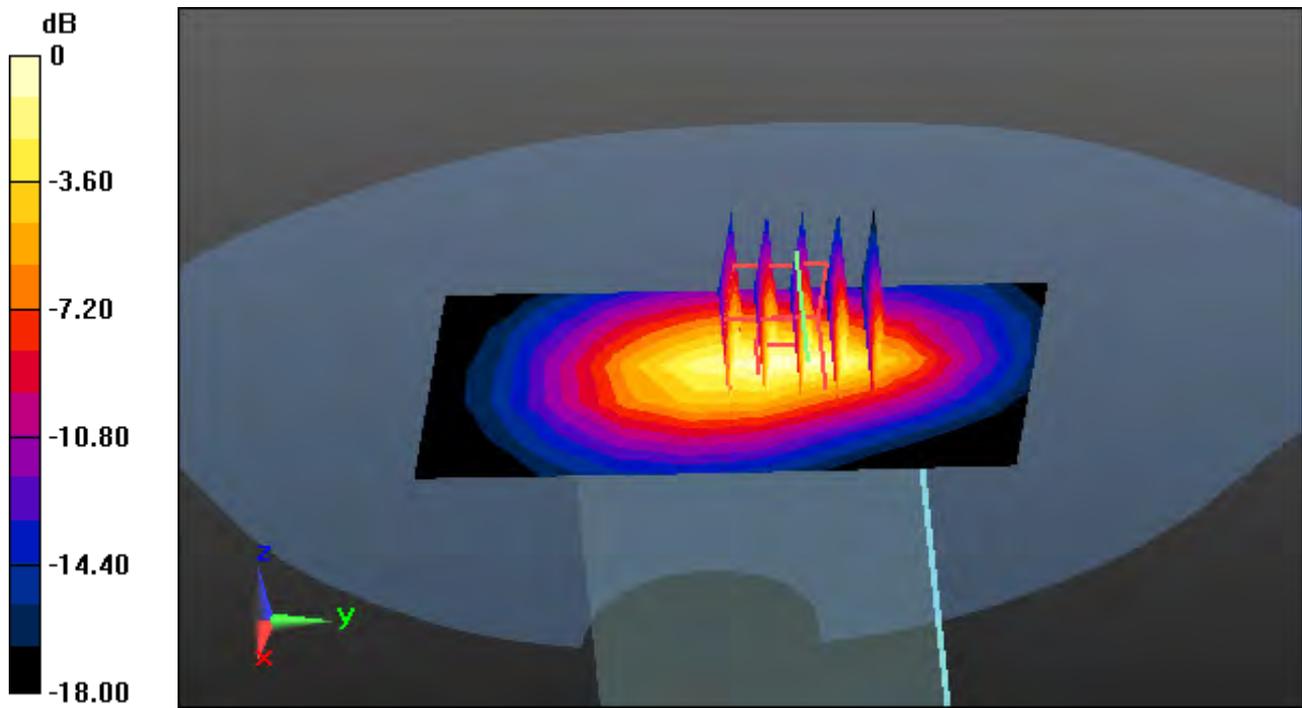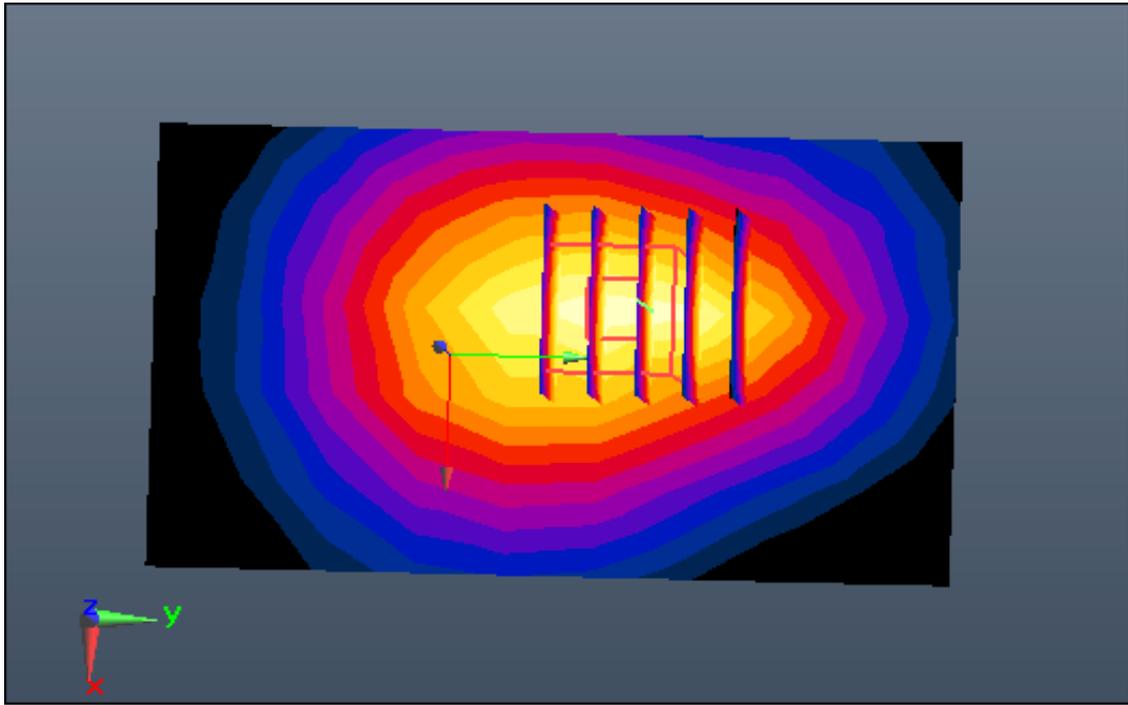
Enlarged Plot for A51

DT&C Co., Ltd.

DUT: LM-G900EM; Type: Bar

Communication System: UID 0, LTE Band 2 (0); Frequency: 1860 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1860 MHz; σ = 1.472 S/m; ε_r = 51.644; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(7.51, 7.51, 7.51); Calibrated: 5/28/2019 Electronics: DAE4 Sn1335
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM-twin right_2013_09_24; Type: QD000P40CD; Serial: TP:1783
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-03; Ambient Temp: 21.8; Tissue Temp: 21.9

## 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 = -0.11 dB
Peak SAR (extrapolated) = 1.79 W/kg
SAR(1 g) = 0.974 W/kg; SAR(10 g) = 0.527 W/kg
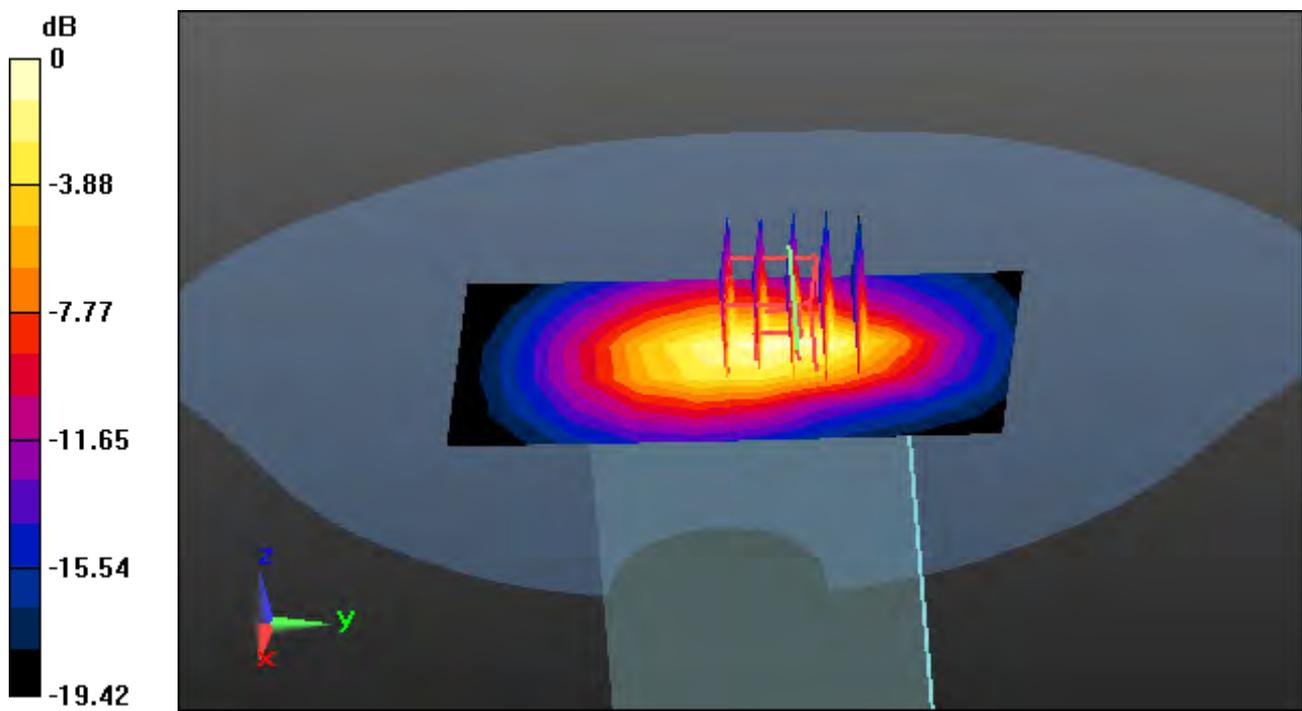
0 dB = 1.41 W/kg
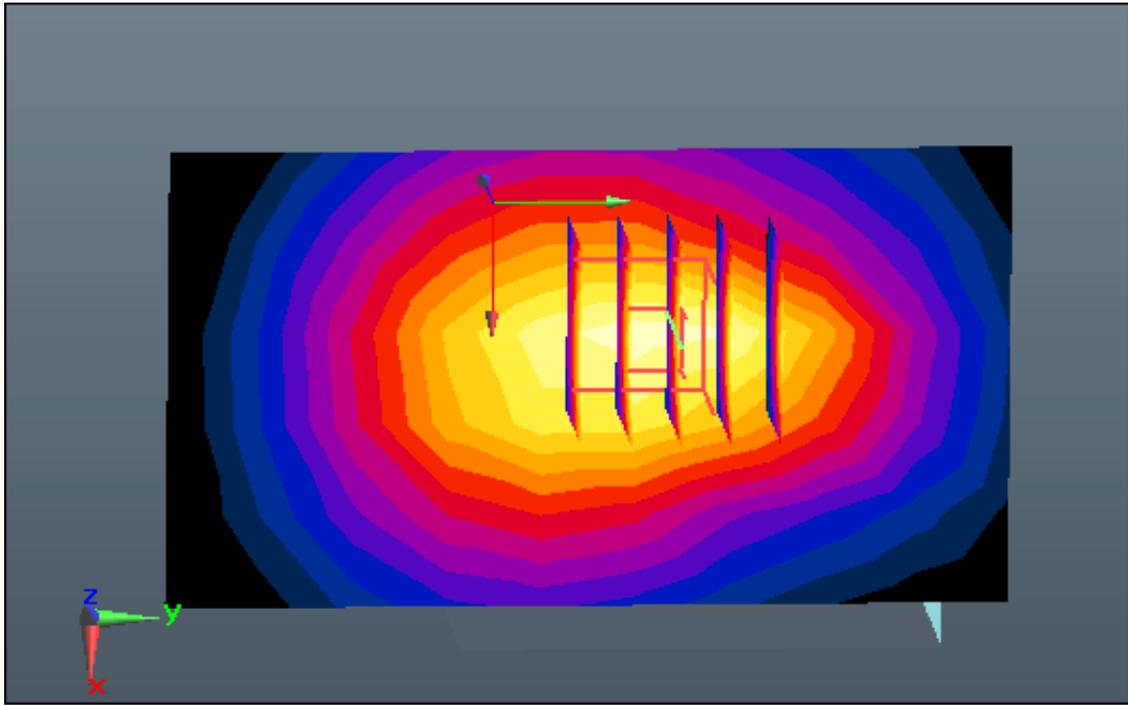
Enlarged Plot for A52

DT&C Co., Ltd.

DUT: LM-G900EM; Type: Bar

Communication System: UID 0, LTE Band 41(TDD) (0); Frequency: 2680 MHz;Duty Cycle: 1:1.58
Medium parameters used: f = 2680 MHz; σ = 2.267 S/m; ε_r = 51.436; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(7.1, 7.1, 7.1); Calibrated: 5/28/2019 Electronics: DAE4 Sn1335
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM-twin right_2013_09_24; Type: QD000P40CD; Serial: TP:1783
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-07; Ambient Temp: 20.4; Tissue Temp: 20.7

1 cm space from Body, Bottom, LTE Band 41 Ch. 41490, 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 = 0.12 dB
Peak SAR (extrapolated) = 0.714 W/kg
SAR(1 g) = 0.361 W/kg; SAR(10 g) = 0.181 W/kg

0 dB = 0.533 W/kg

A53
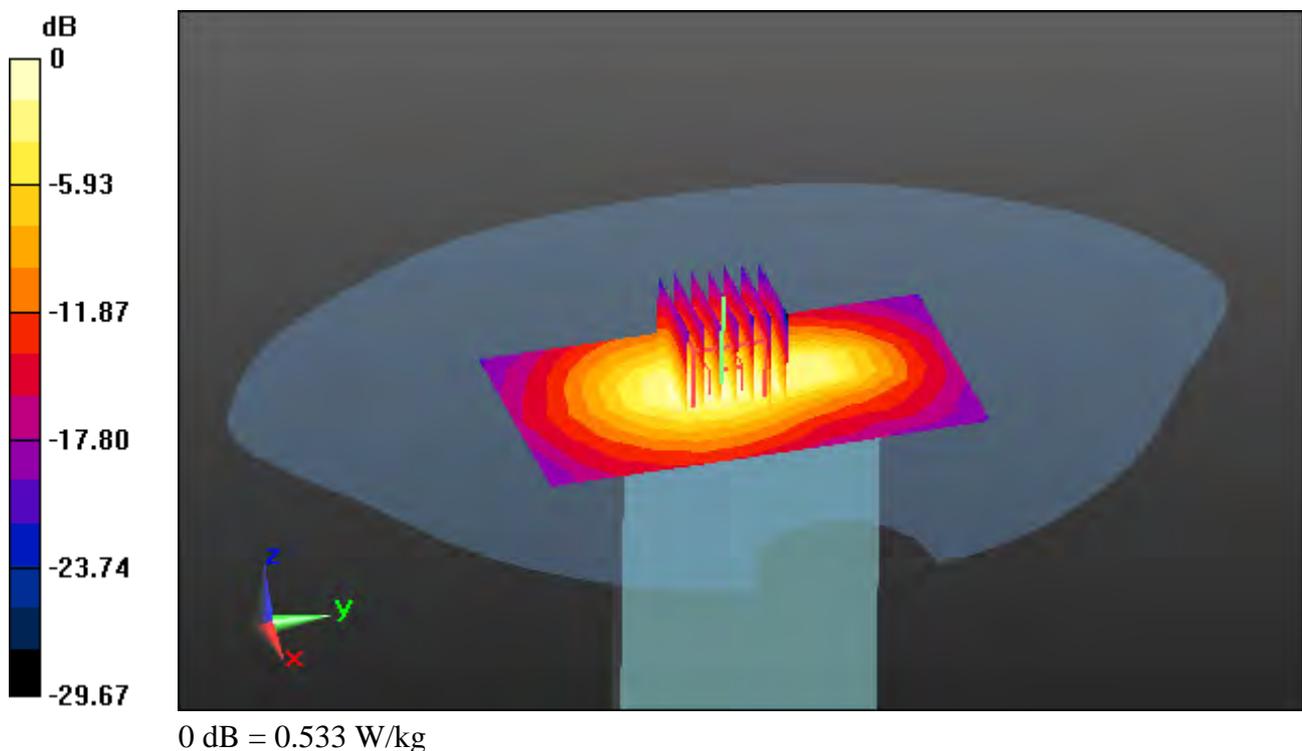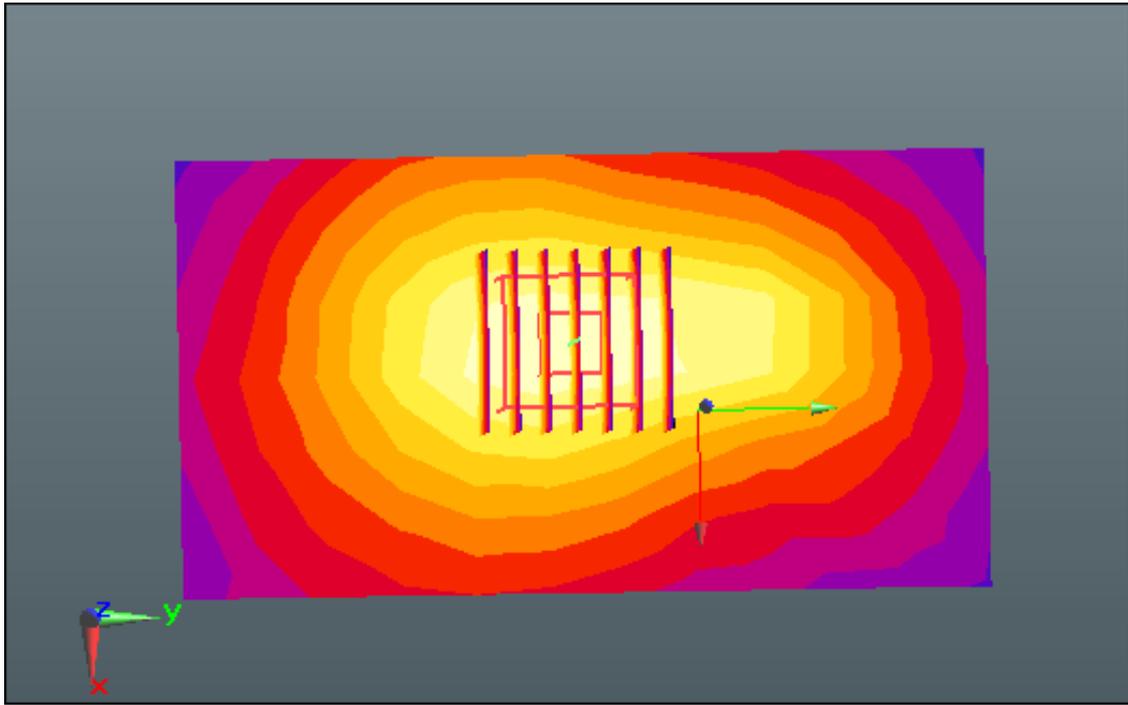
Enlarged Plot for A53

DT&C Co., Ltd.

DUT: LM-G900EM; Type: Bar

Communication System: UID 0, 00_2.4 GHz W-LAN (0); Frequency: 2412 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2412 MHz; σ = 1.947 S/m; $ε_r$ = 51.775; ρ = 1000 kg/m³
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3866; ConvF(7.27, 7.27, 7.27); Calibrated: 5/28/2019 Electronics: DAE4 Sn1335
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM-twin right_2013_09_24; Type: QD000P40CD; Serial: TP:1783
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-08; Ambient Temp: 20.3; Tissue Temp: 20.4

1 cm space from Body, Left, WLAN(802.11b) Ch. 1, Ant Internal, Ant.1

Area Scan (7x19x1): 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) = 0.300 W/kg
SAR(1 g) = 0.149 W/kg; SAR(10 g) = 0.069 W/kg

0 dB = 0.273 W/kg

A54
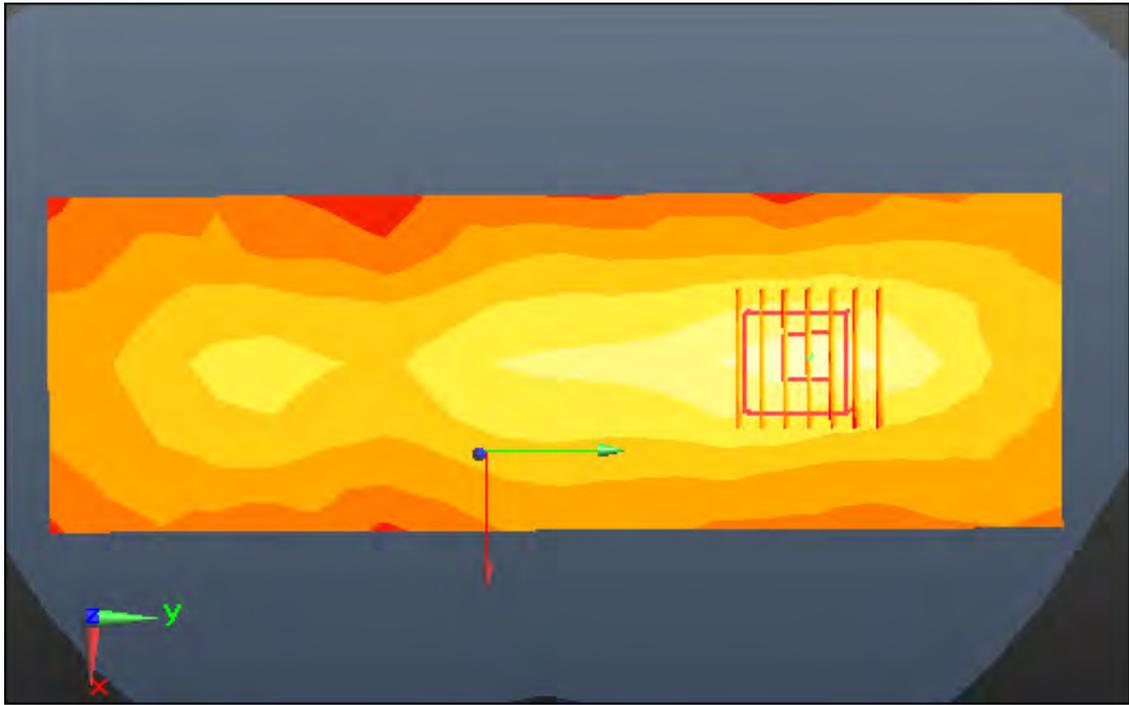
Enlarged Plot for A54

DT&C Co., Ltd.

DUT: LM-G900EM; Type: Bar

Communication System: UID 0, 00_2.4 GHz W-LAN (0); Frequency: 2462 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2462 MHz; σ = 2.006 S/m; ε_r = 51.661; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(7.27, 7.27, 7.27); Calibrated: 5/28/2019 Electronics: DAE4 Sn1335
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM-twin right_2013_09_24; Type: QD000P40CD; Serial: TP:1783
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-08; Ambient Temp: 20.3; Tissue Temp: 20.4

1 cm space from Body, Left, WLAN(802.11g) Ch. 11, Ant Internal, MIMO

Area Scan (7x19x1): 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) = 0.358 W/kg
SAR(1 g) = 0.171 W/kg; SAR(10 g) = 0.078 W/kg
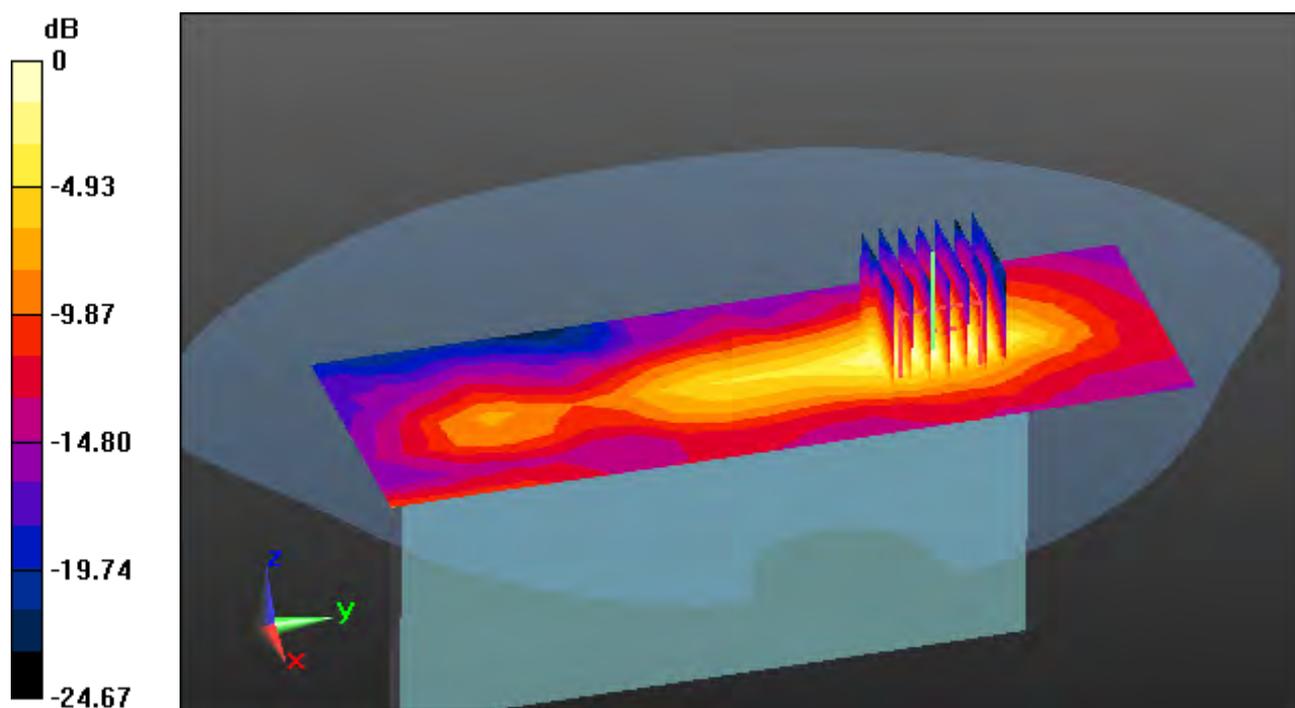
0 dB = 0.266 W/kg
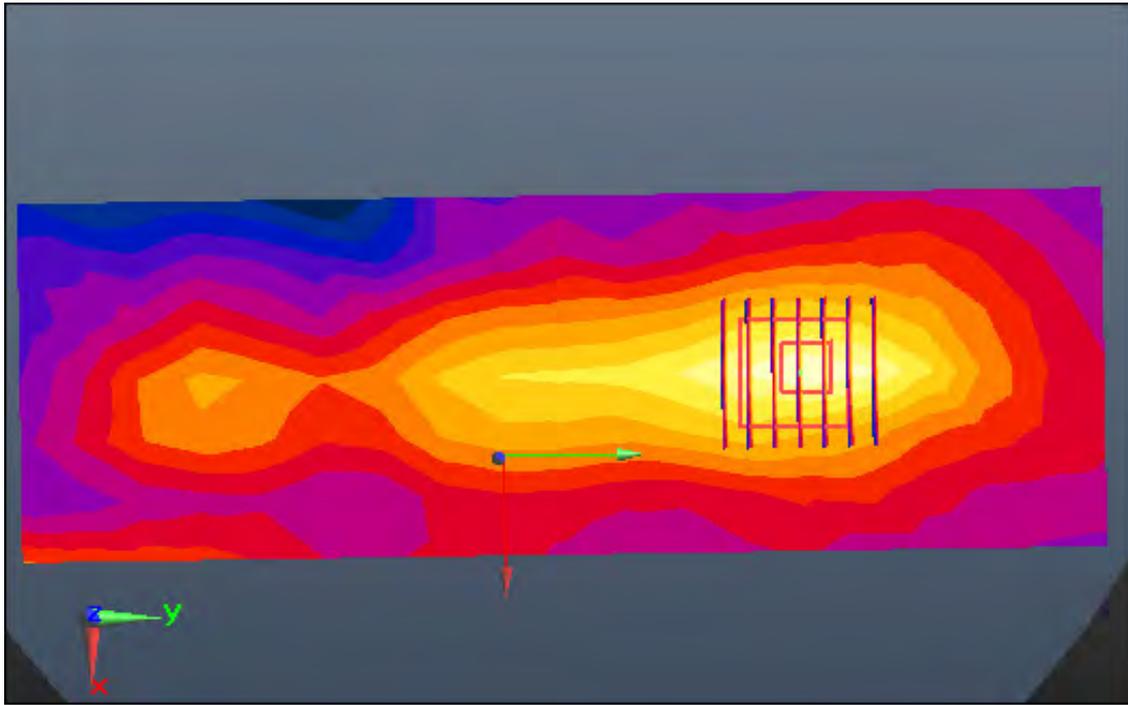
Enlarged Plot for A55

DT&C Co., Ltd.

DUT: LM-G900EM; Type: Bar

Communication System: UID 0, W-LAN_5200(40,44) (0); Frequency: 5200 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5200 MHz; σ = 5.24 S/m; ε_r = 49.223; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(4.66, 4.66, 4.66); Calibrated: 9/27/2019 Electronics: DAE3 Sn520
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2013_10_08_right; Type: QD000P40CD; Serial: TP:1785
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-06; Ambient Temp: 21.4; Tissue Temp: 21.6

**1 cm space from Body, Rear, WLAN(802.11a) Ch. 40, Ant Internal, Ant.1**

Area Scan (15x23x1): 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 = 0.18 dB
Peak SAR (extrapolated) = 0.889 W/kg
SAR(1 g) = 0.259 W/kg; SAR(10 g) = 0.091 W/kg
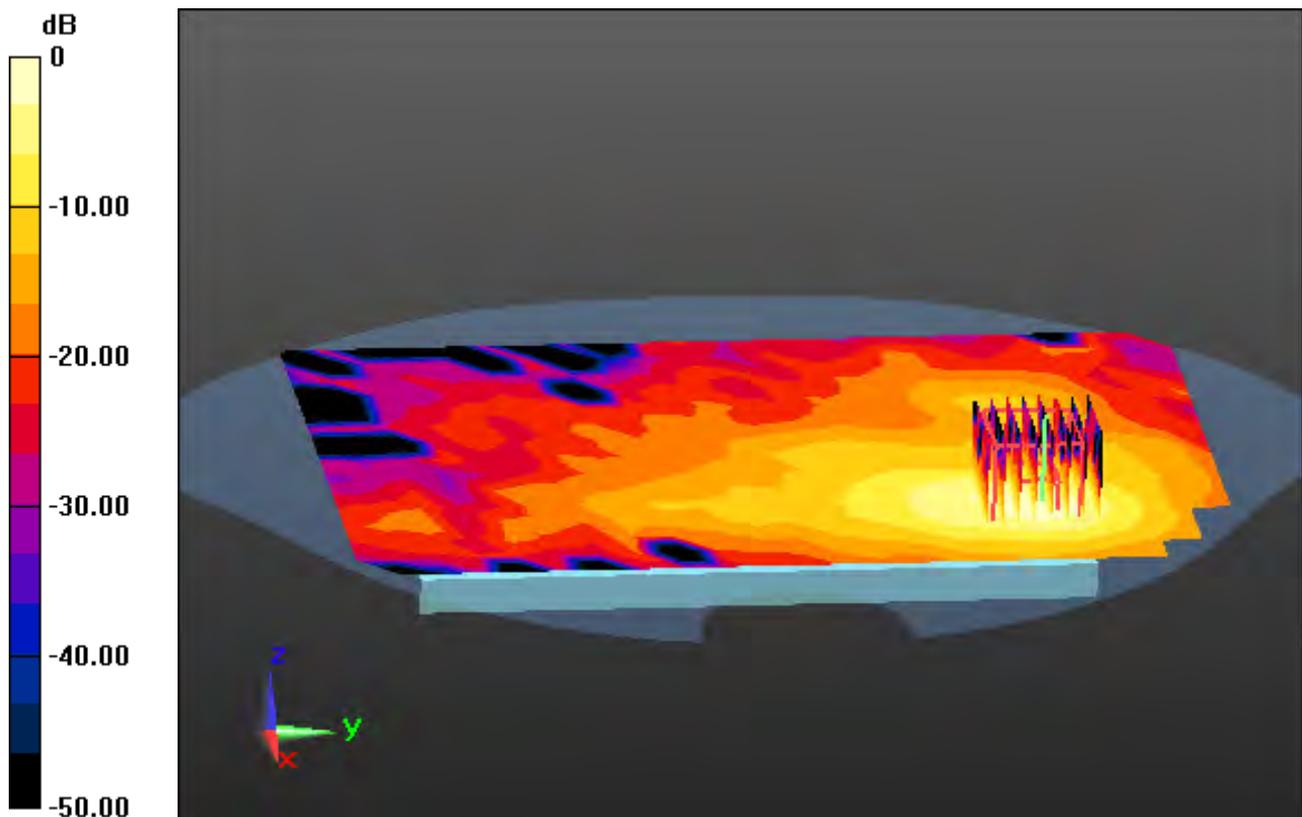
0 dB = 0.577 W/kg
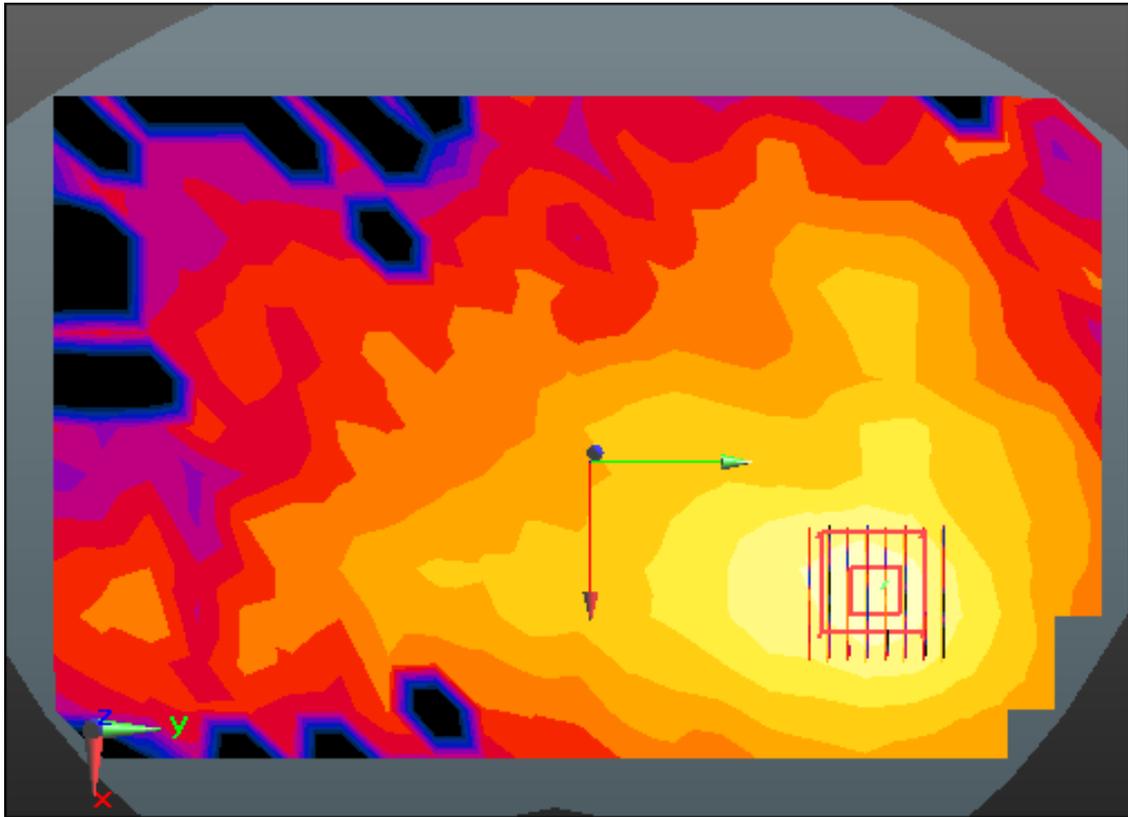
Enlarged Plot for A56

DT&C Co., Ltd.

DUT: LM-G900EM; Type: Bar

Communication System: UID 0, W-LAN_5200(40,44) (0); Frequency: 5200 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5200 MHz; σ = 5.24 S/m; $ε_r$ = 49.223; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(4.66, 4.66, 4.66); Calibrated: 9/27/2019 Electronics: DAE3 Sn520
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2013_10_08_right; Type: QD000P40CD; Serial: TP:1785
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-06; Ambient Temp: 21.4; Tissue Temp: 21.6

**1 cm space from Body, Rear, WLAN(802.11a) Ch. 40, Ant Internal, Ant.2**

Area Scan (15x23x1): 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 = 0.16 dB
Peak SAR (extrapolated) = 0.877 W/kg
SAR(1 g) = 0.242 W/kg; SAR(10 g) = 0.086 W/kg
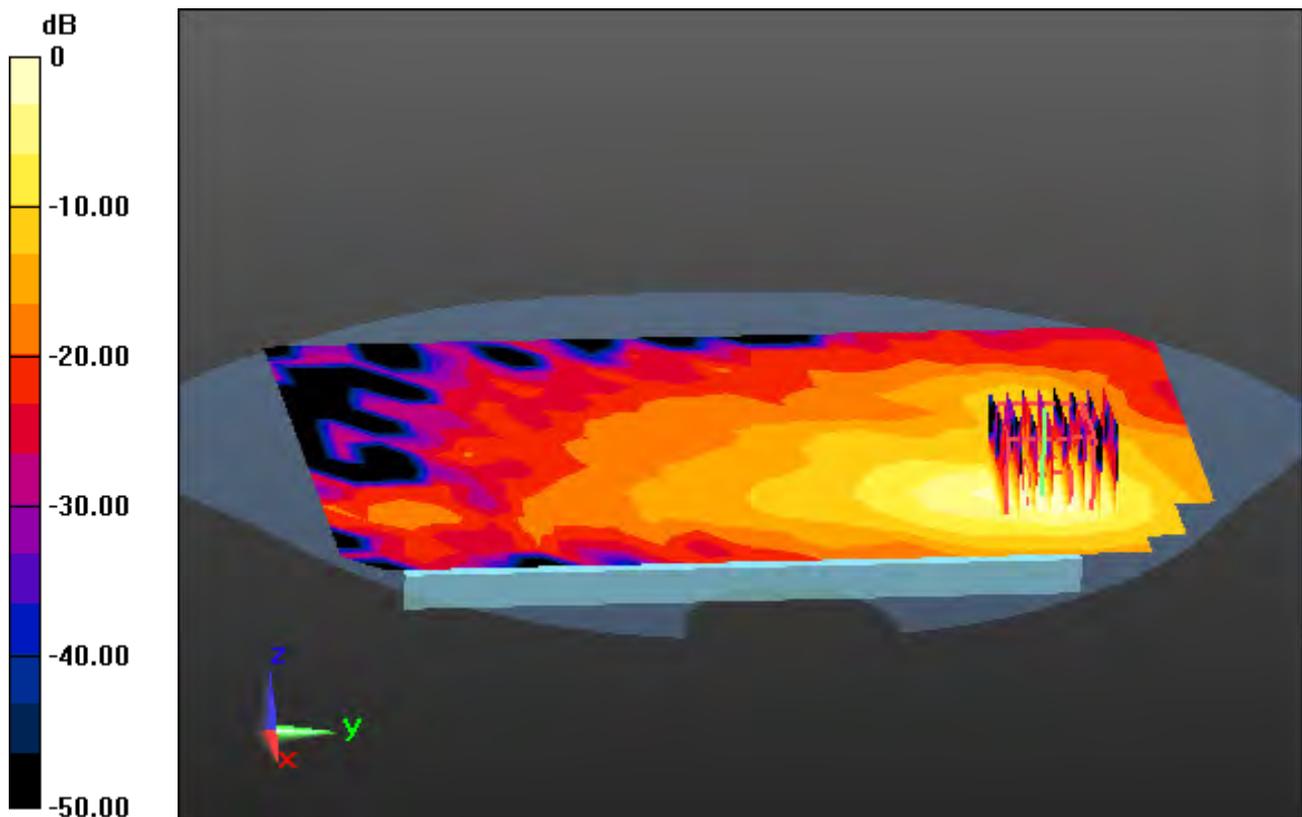
0 dB = 0.560 W/kg
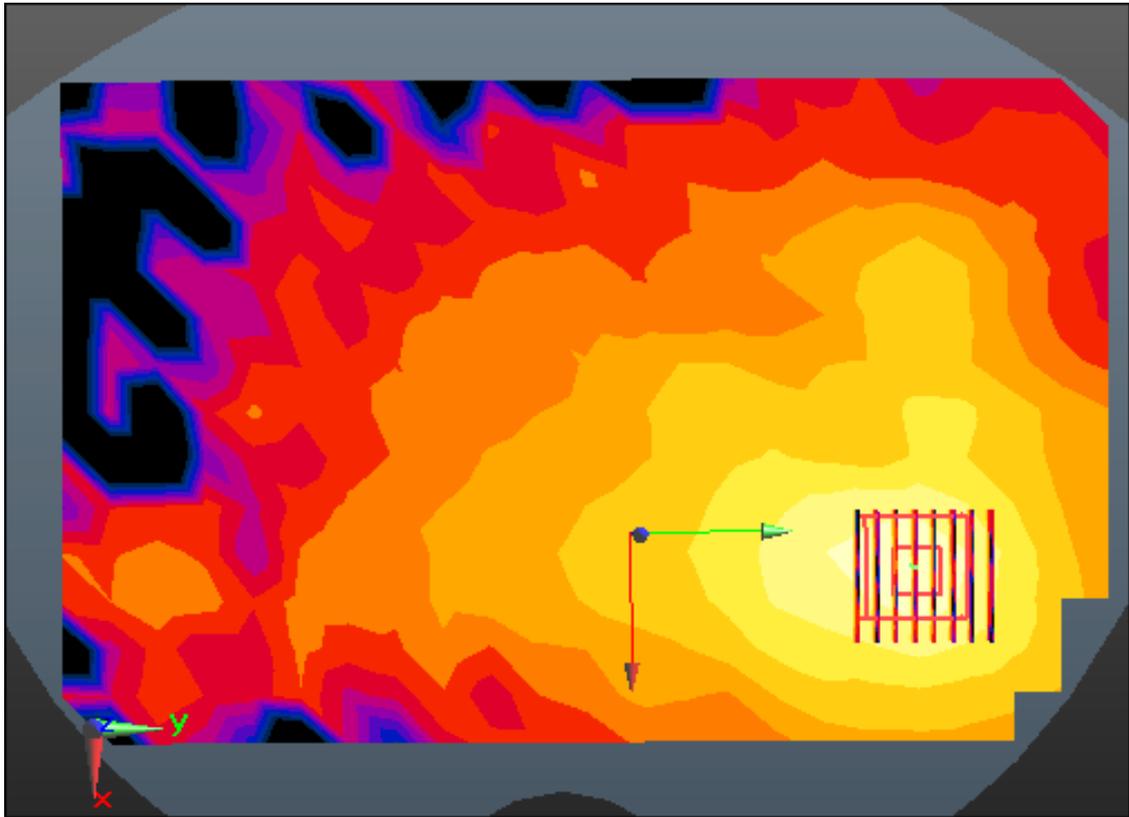
Enlarged Plot for A57

DT&C Co., Ltd.

DUT: LM-G900EM; Type: Bar

Communication System: UID 0, W-LAN_5200(40,44) (0); Frequency: 5200 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5200 MHz; σ = 5.24 S/m; $ε_r$ = 49.223; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(4.66, 4.66, 4.66); Calibrated: 9/27/2019 Electronics: DAE3 Sn520
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2013_10_08_right; Type: QD000P40CD; Serial: TP:1785
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-06; Ambient Temp: 21.4; Tissue Temp: 21.6

1 cm space from Body, Rear, WLAN(802.11a) Ch. 40, Ant Internal, MIMO

Area Scan (15x23x1): Measurement grid: dx=10mm, dy=10mm
**Zoom Scan (8x8x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio:1.4
Power Drift = -0.09 dB
Peak SAR (extrapolated) = 0.957 W/kg
SAR(1 g) = 0.274 W/kg; SAR(10 g) = 0.098 W/kg

0 dB = 0.610 W/kg

A58
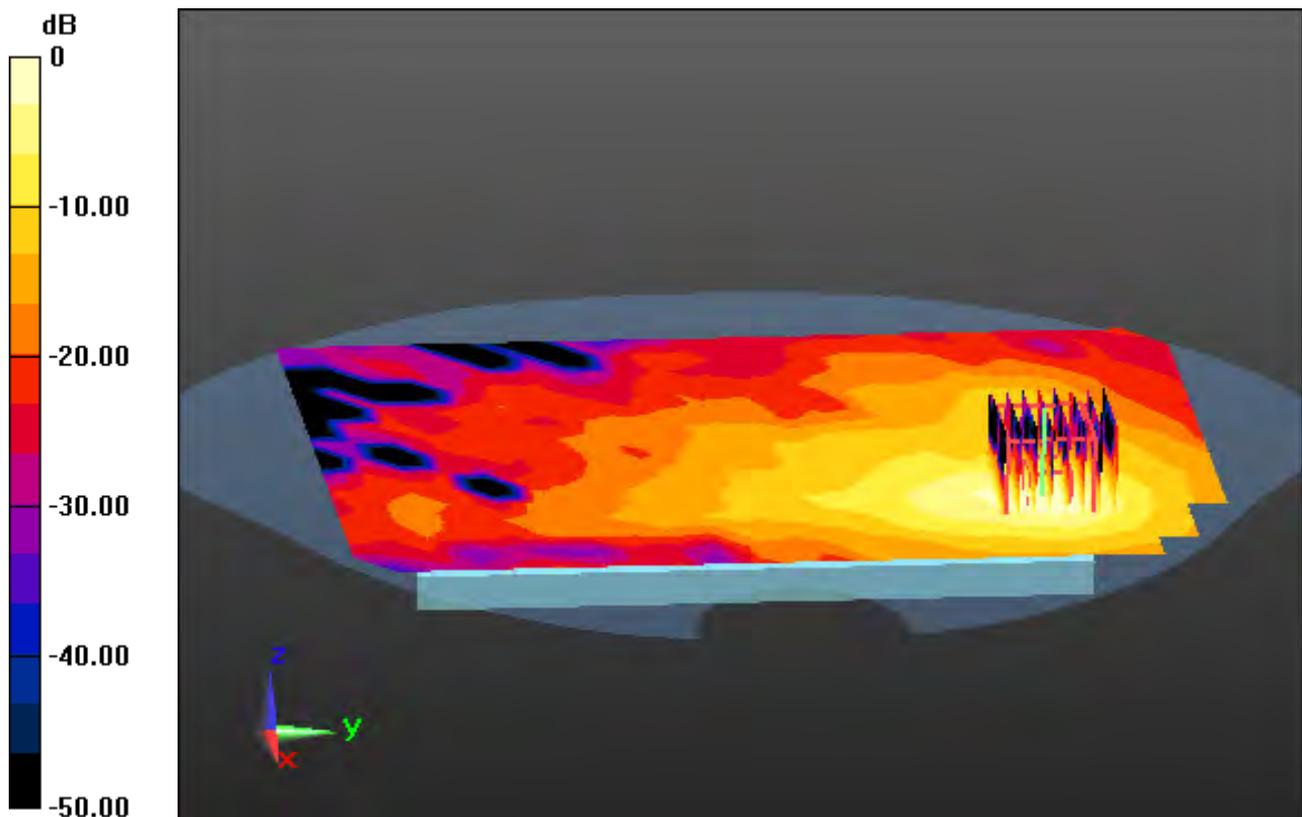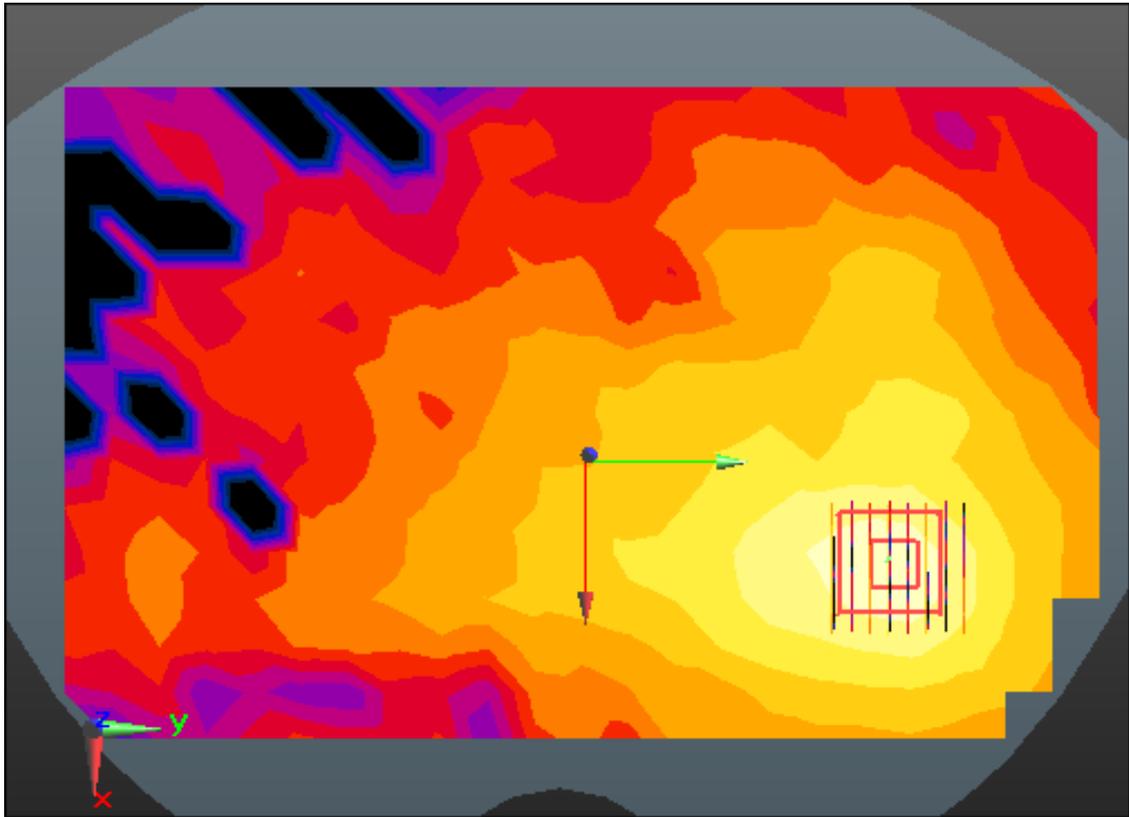
Enlarged Plot for A58

DT&C Co., Ltd.

DUT: LM-G900EM; Type: Bar

Communication System: UID 0, W-LAN_5800 (0); Frequency: 5745 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5745 MHz; σ = 6.107 S/m; ε_r = 48.463; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(4.13, 4.13, 4.13); Calibrated: 9/27/2019 Electronics: DAE3 Sn520
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2013_10_08_right; Type: QD000P40CD; Serial: TP:1785
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-09; Ambient Temp: 20.7; Tissue Temp: 20.9

1 cm space from Body, Rear, WLAN(802.11a) Ch. 149, Ant Internal, Ant.1

Area Scan (15x23x1): 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) = 0.264 W/kg
SAR(1 g) = 0.053 W/kg; SAR(10 g) = 0.018 W/kg
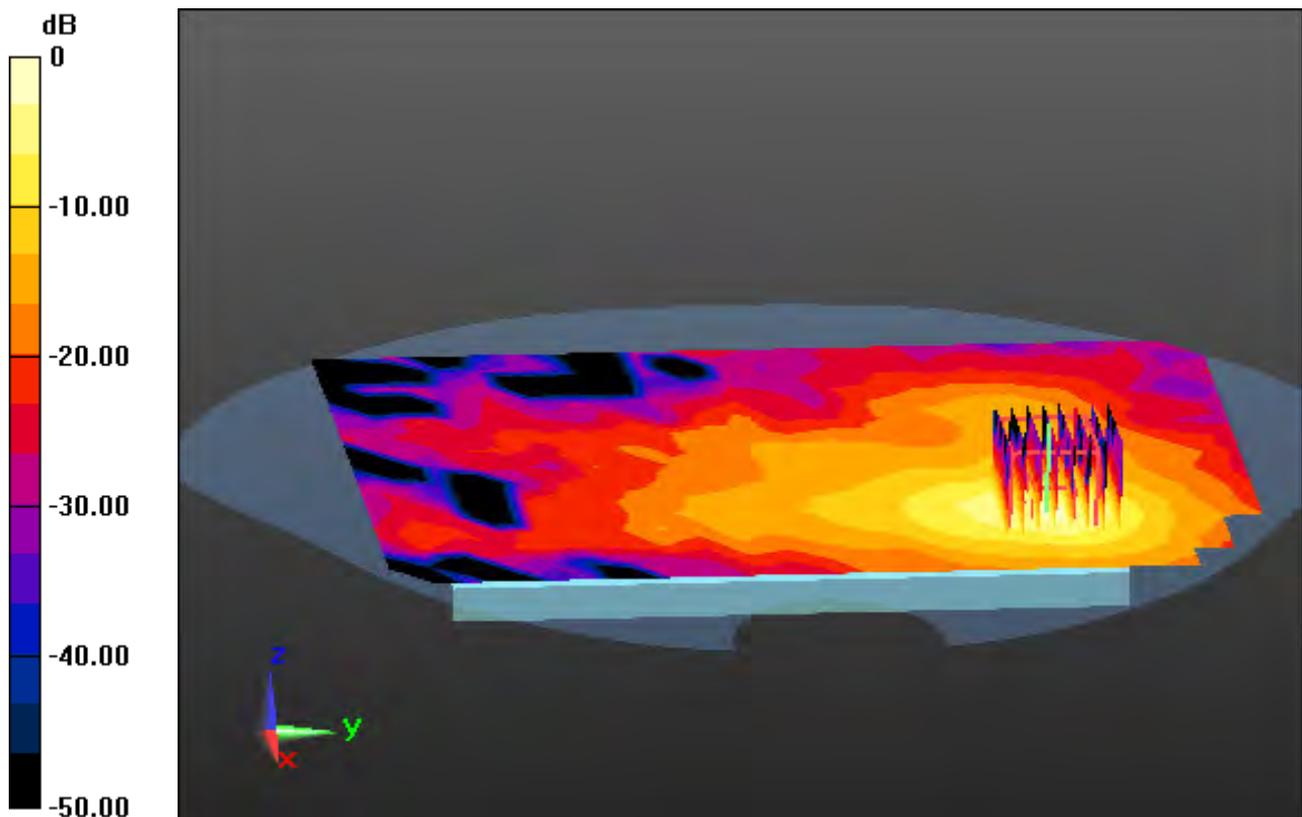
0 dB = 0.145 W/kg
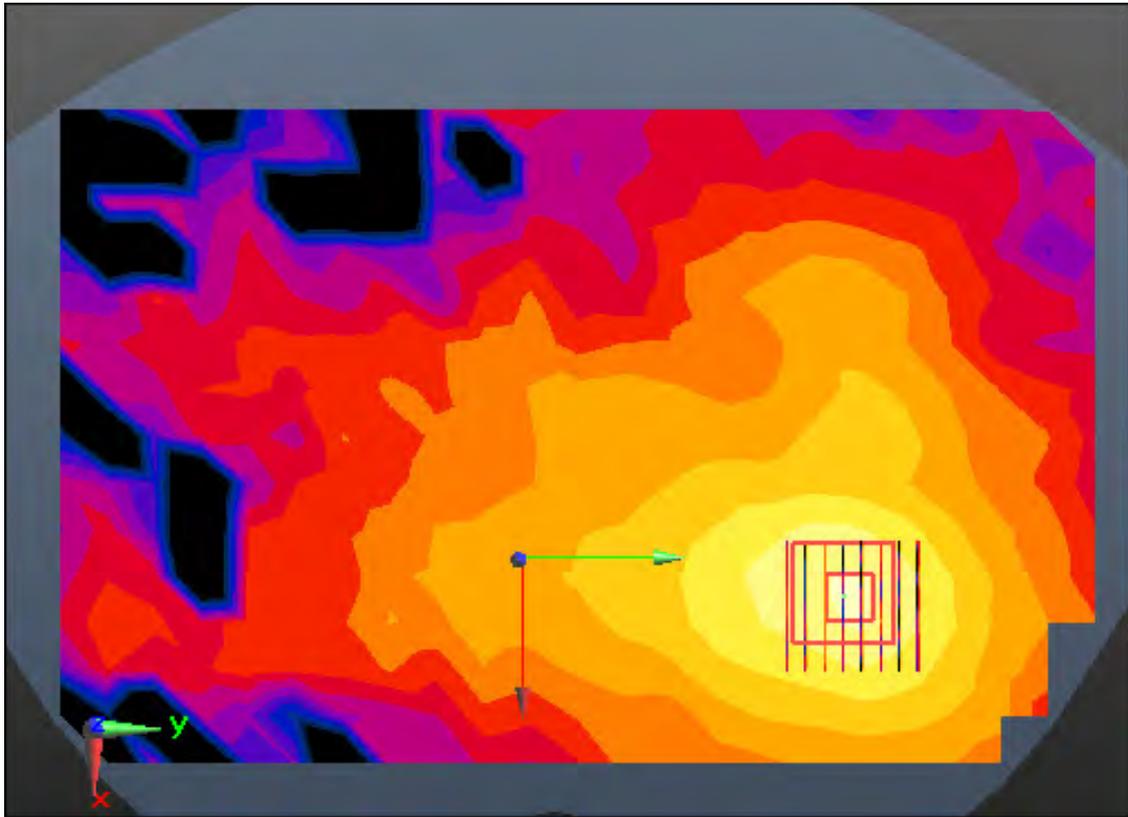
Enlarged Plot for A59

DT&C Co., Ltd.

DUT: LM-G900EM; Type: Bar

Communication System: UID 0, W-LAN_5800 (0); Frequency: 5785 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5785 MHz; σ = 6.169 S/m; ε_r = 48.341; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(4.13, 4.13, 4.13); Calibrated: 9/27/2019 Electronics: DAE3 Sn520
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2013_10_08_right; Type: QD000P40CD; Serial: TP:1785
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-09; Ambient Temp: 20.7; Tissue Temp: 20.9

**1 cm space from Body, Rear, WLAN(802.11a) Ch. 157, Ant Internal, Ant.2**

Area Scan (15x23x1): 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 = 0.04 dB
Peak SAR (extrapolated) = 0.196 W/kg
SAR(1 g) = 0.043 W/kg; SAR(10 g) = 0.014 W/kg

0 dB = 0.124 W/kg

A60
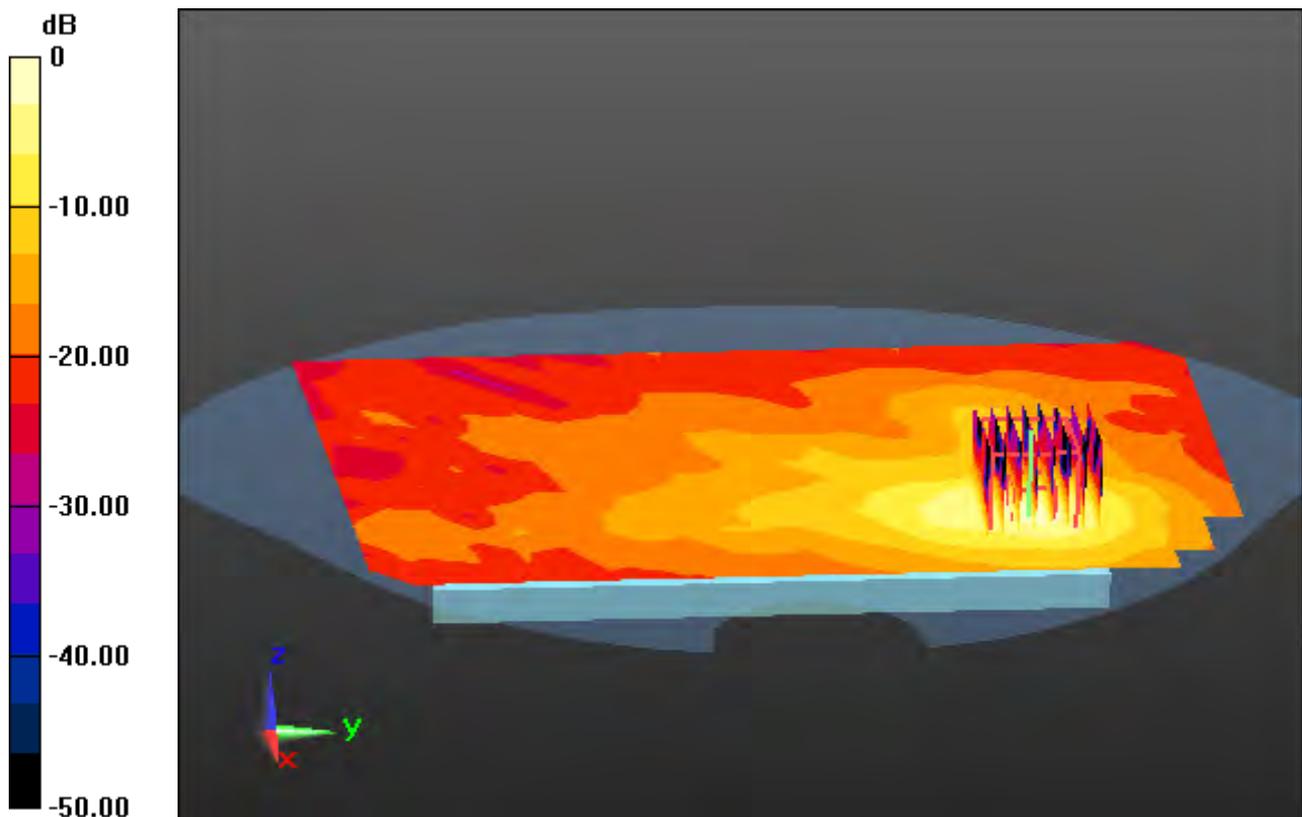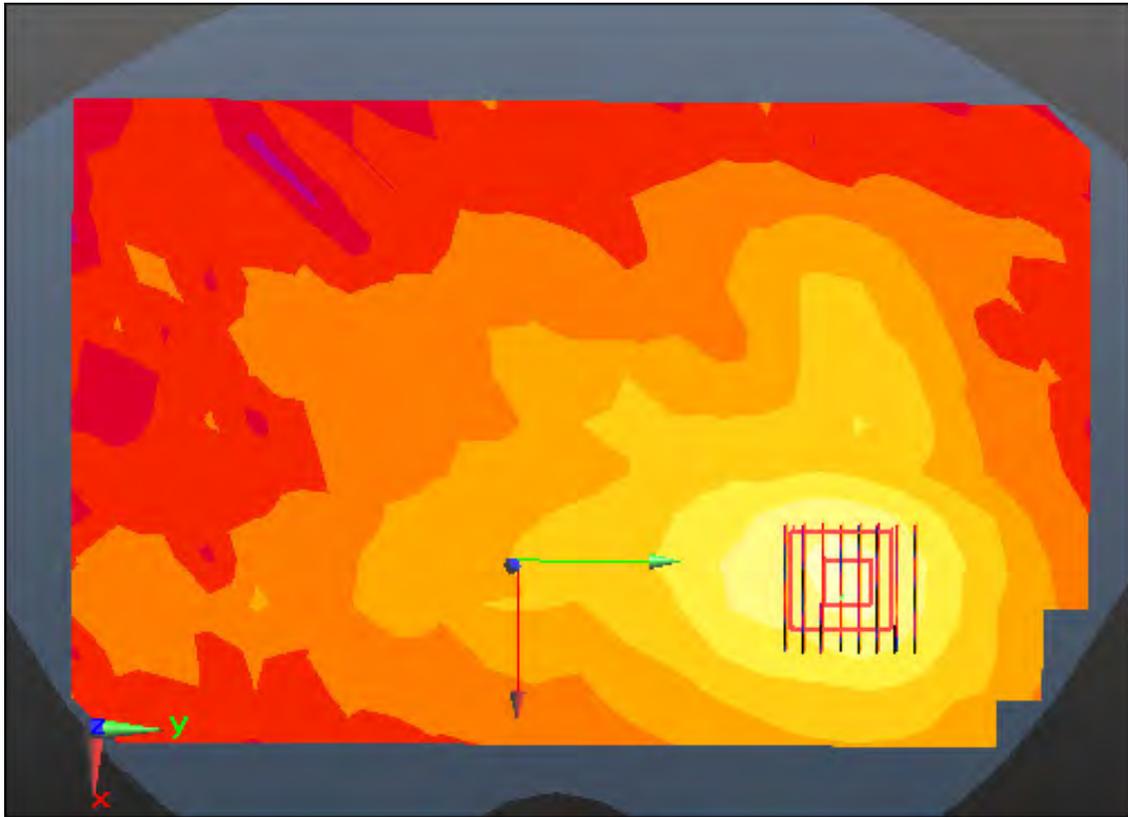
Enlarged Plot for A60

DT&C Co., Ltd.

DUT: LM-G900EM; Type: Bar

Communication System: UID 0, W-LAN_5800 (0); Frequency: 5785 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5785 MHz; σ = 6.169 S/m; ε_r = 48.341; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(4.13, 4.13, 4.13); Calibrated: 9/27/2019 Electronics: DAE3 Sn520
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2013_10_08_right; Type: QD000P40CD; Serial: TP:1785
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-09; Ambient Temp: 20.7; Tissue Temp: 20.9

1 cm space from Body, Rear, WLAN(802.11a) Ch. 157, Ant Internal, MIMO

Area Scan (15x23x1): 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 = 0.18 dB
Peak SAR (extrapolated) = 0.461 W/kg
SAR(1 g) = 0.097 W/kg; SAR(10 g) = 0.032 W/kg

0 dB = 0.275 W/kg

A61
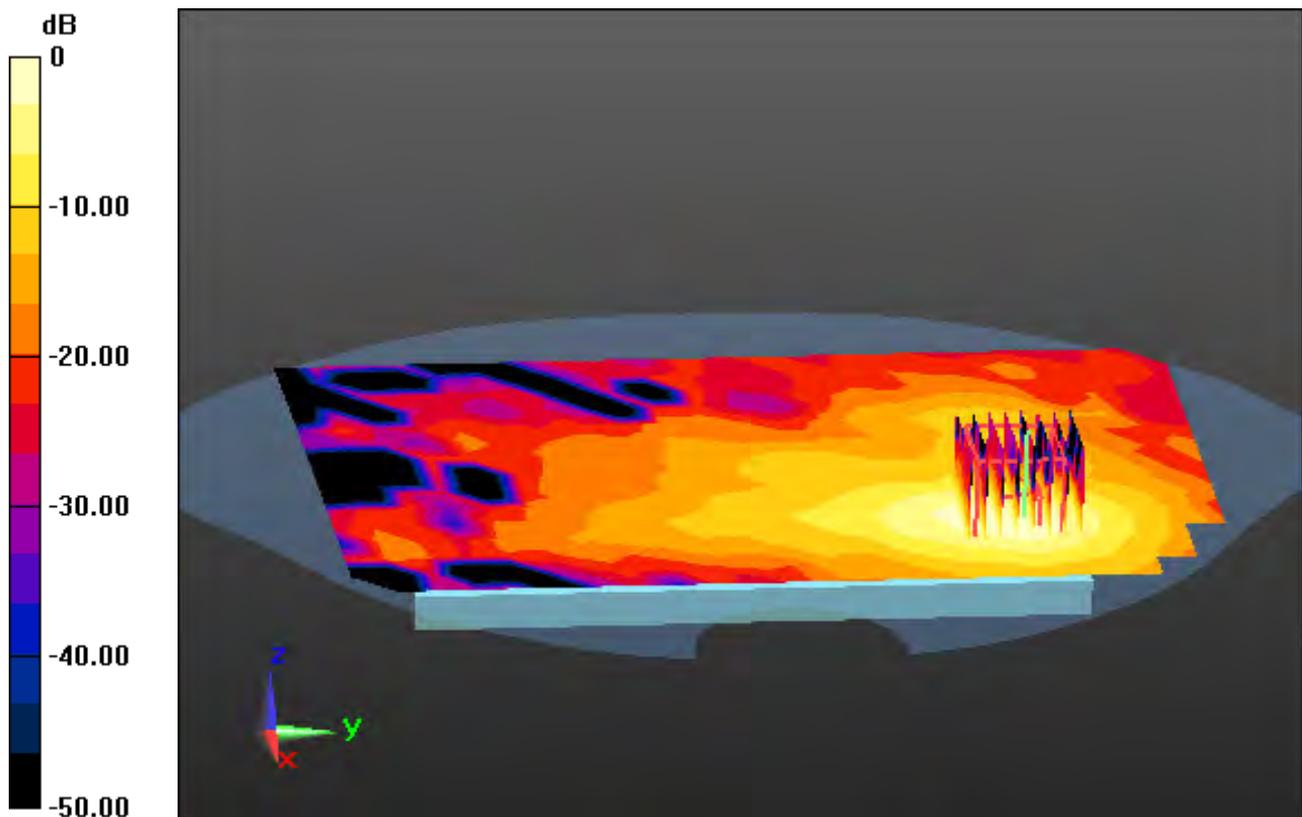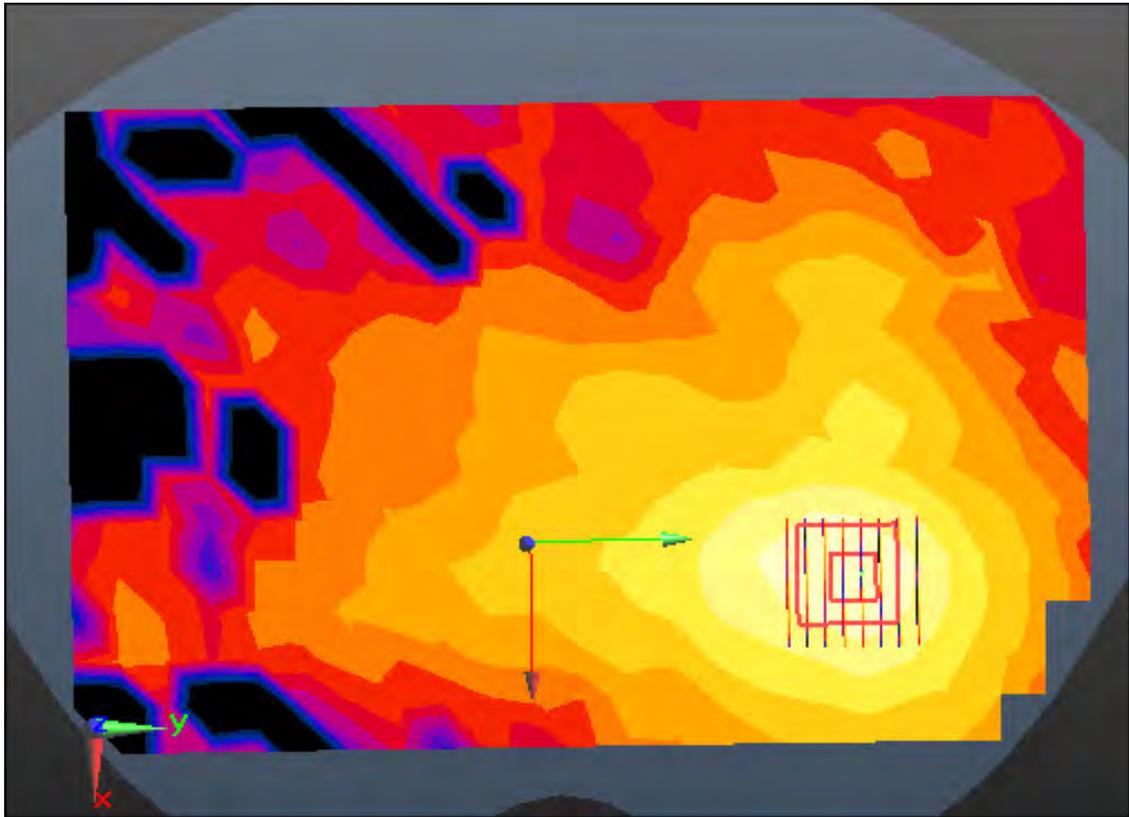
Enlarged Plot for A61

DT&C Co., Ltd.

DUT: LM-G900EM; Type: Bar

Communication System: UID 0, Bluetooth (0); Frequency: 2441 MHz;Duty Cycle: 1:1.302
Medium parameters used: f = 2441 MHz; σ = 1.981 S/m; ε_r = 51.705; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(7.27, 7.27, 7.27); Calibrated: 5/28/2019 Electronics: DAE4 Sn1335
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM-twin right_2013_09_24; Type: QD000P40CD; Serial: TP:1783
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-08; Ambient Temp: 20.3; Tissue Temp: 20.4

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

Area Scan (7x19x1): 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) = 0.0640 W/kg
SAR(1 g) = 0.027 W/kg; SAR(10 g) = 0.012 W/kg
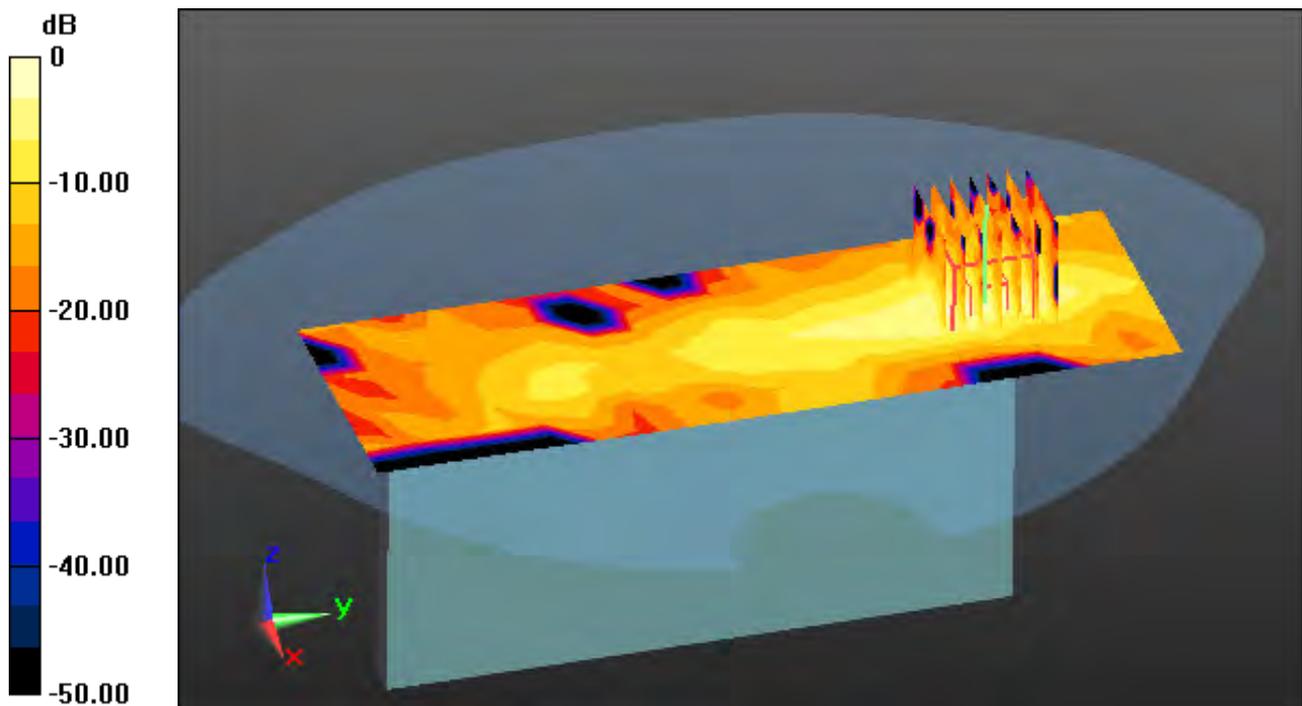
0 dB = 0.0580 W/kg
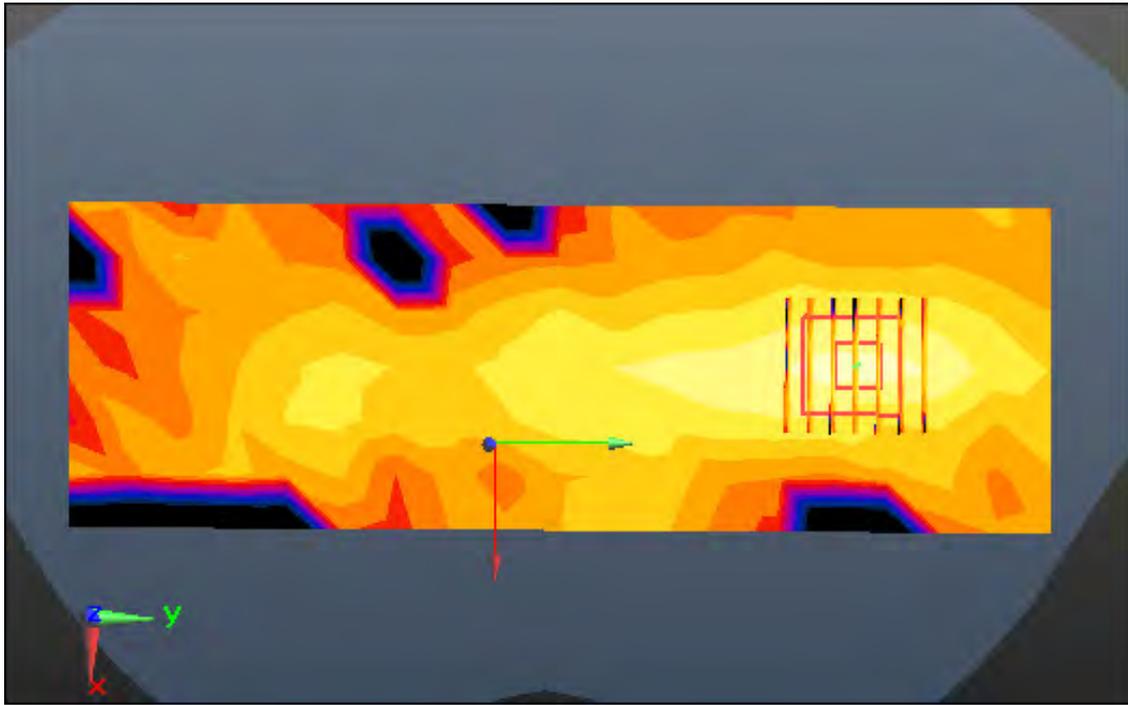
Enlarged Plot for A62

DT&C Co., Ltd.

DUT: LM-G900EM; Type: Bar

Communication System: UID 0, W-LAN_5300 (0); Frequency: 5320 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5320 MHz; σ = 5.362 S/m; ε_r = 49.201; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(4.56, 4.56, 4.56); Calibrated: 9/27/2019 Electronics: DAE3 Sn520
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2013_10_08_right; Type: QD000P40CD; Serial: TP:1785
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-07; Ambient Temp: 20.1; Tissue Temp: 20.7

**Touch from Body, Rear, WLAN(802.11a) Ch. 64, Ant Internal, Ant.1**

Area Scan (15x23x1): 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 = -0.18 dB
Peak SAR (extrapolated) = 13.4 W/kg
SAR(1 g) = 2.31 W/kg; SAR(10 g) = 0.618 W/kg

0 dB = 7.26 W/kg

A63
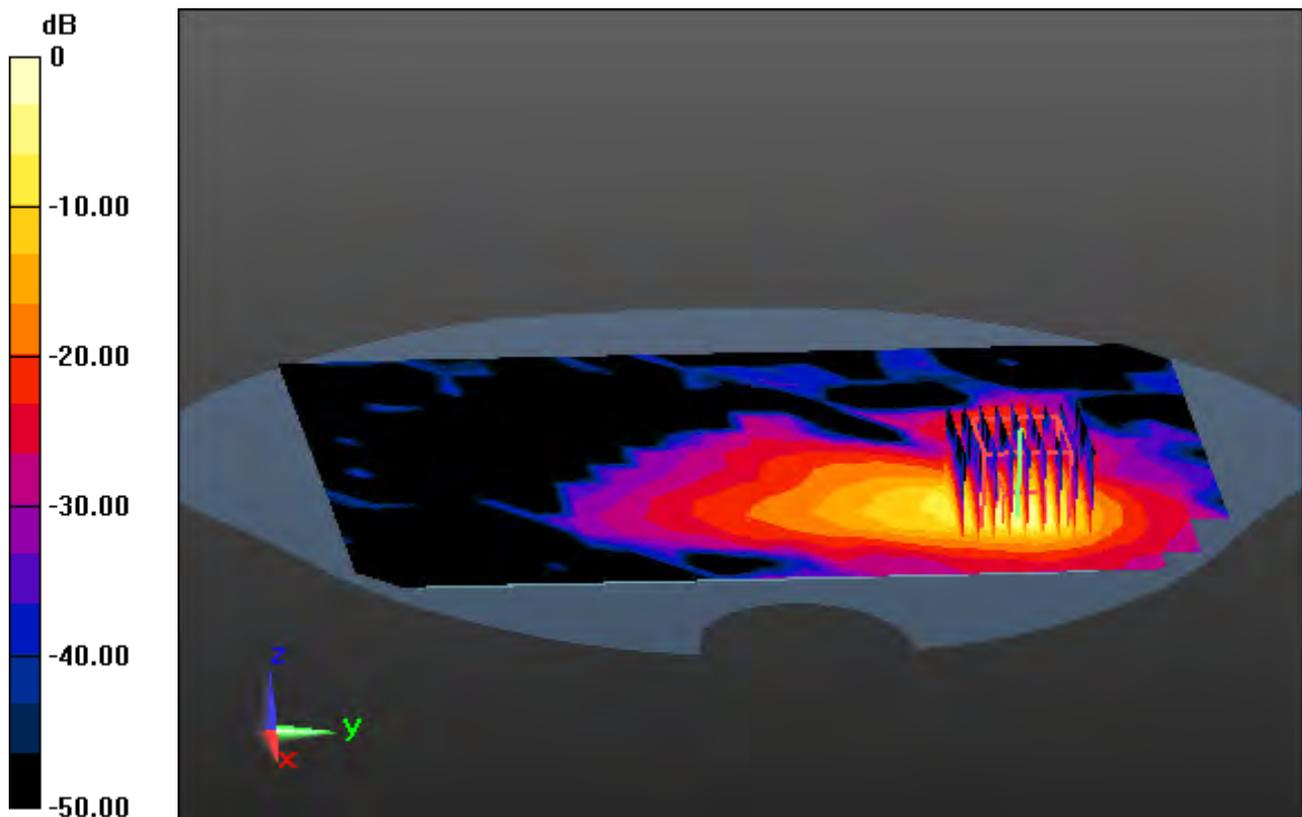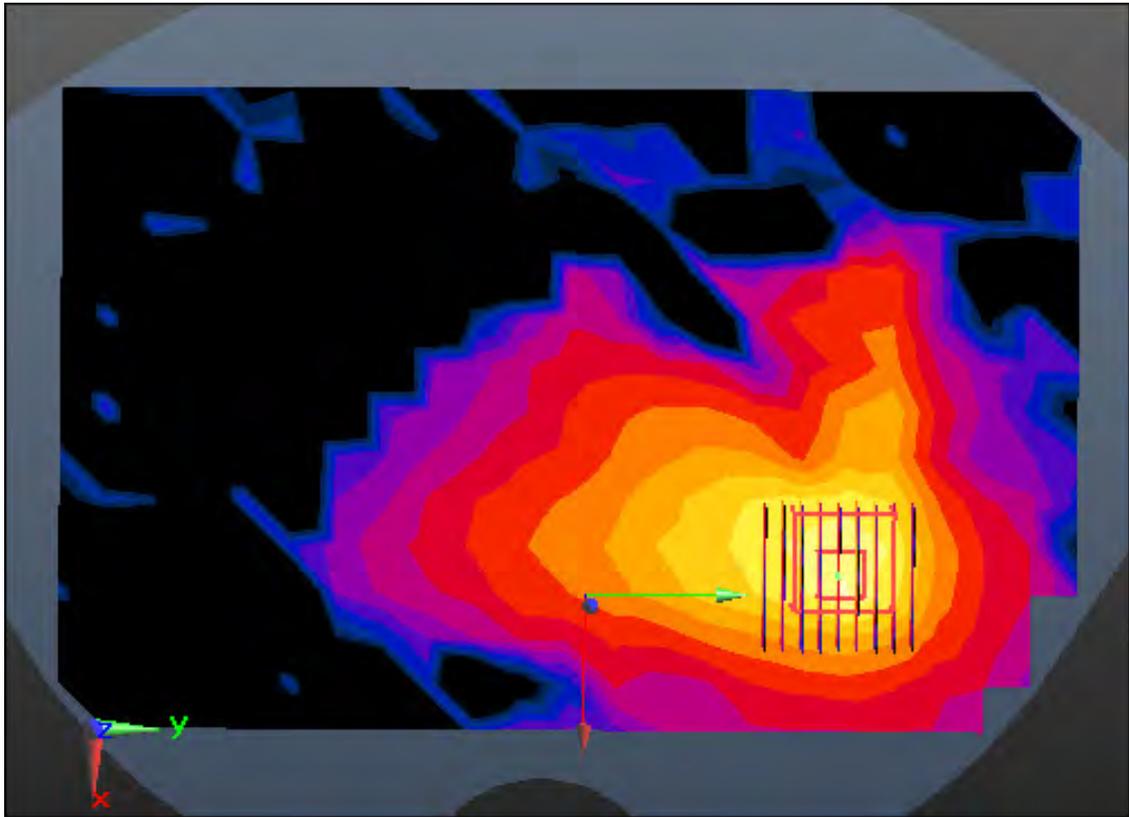
Enlarged Plot for A63
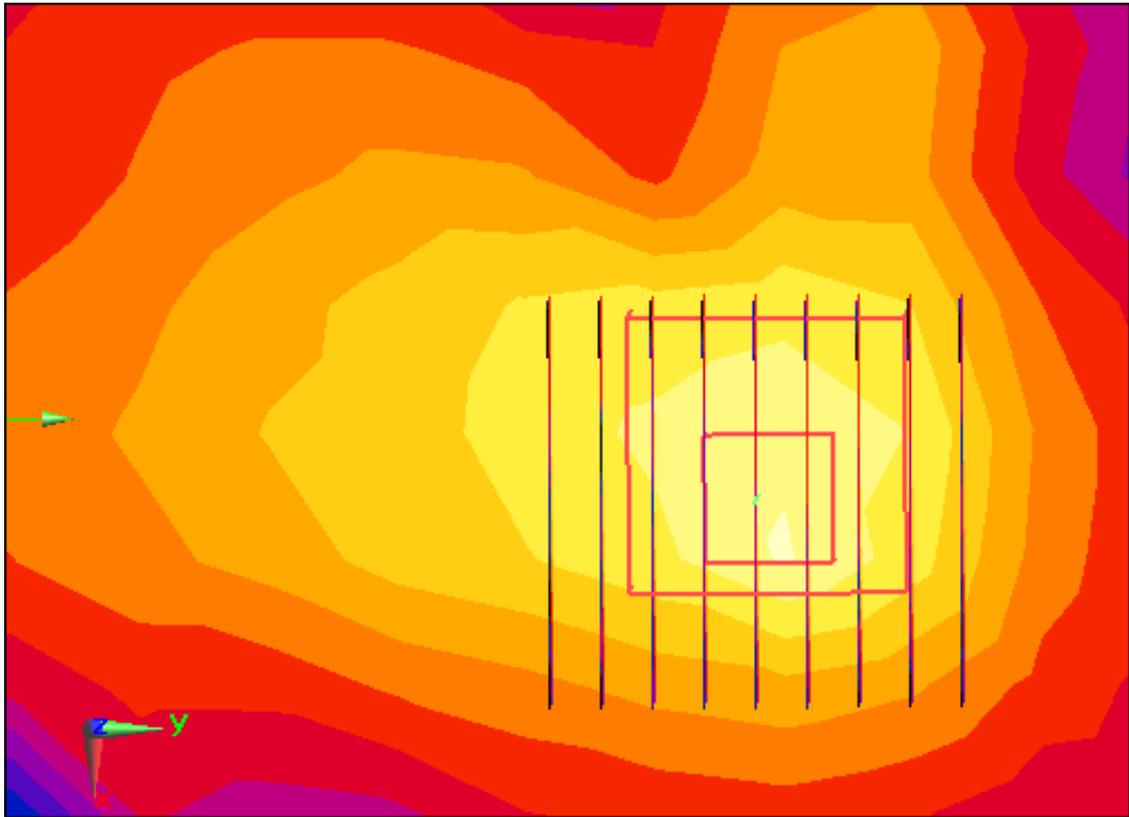
Enlarged Plot for A63

DT&C Co., Ltd.

DUT: LM-G900EM; Type: Bar

Communication System: UID 0, W-LAN_5300 (0); Frequency: 5280 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5280 MHz; σ = 5.3 S/m; ε_r = 49.232; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(4.56, 4.56, 4.56); Calibrated: 9/27/2019 Electronics: DAE3 Sn520
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2013_10_08_right; Type: QD000P40CD; Serial: TP:1785
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-07; Ambient Temp: 20.1; Tissue Temp: 20.7

**Touch from Body, Rear, WLAN(802.11a) Ch. 56, Ant Internal, Ant.2**

Area Scan (15x23x1): 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 = 0.09 dB
Peak SAR (extrapolated) = 12.6 W/kg
SAR(1 g) = 2.21 W/kg; SAR(10 g) = 0.589 W/kg
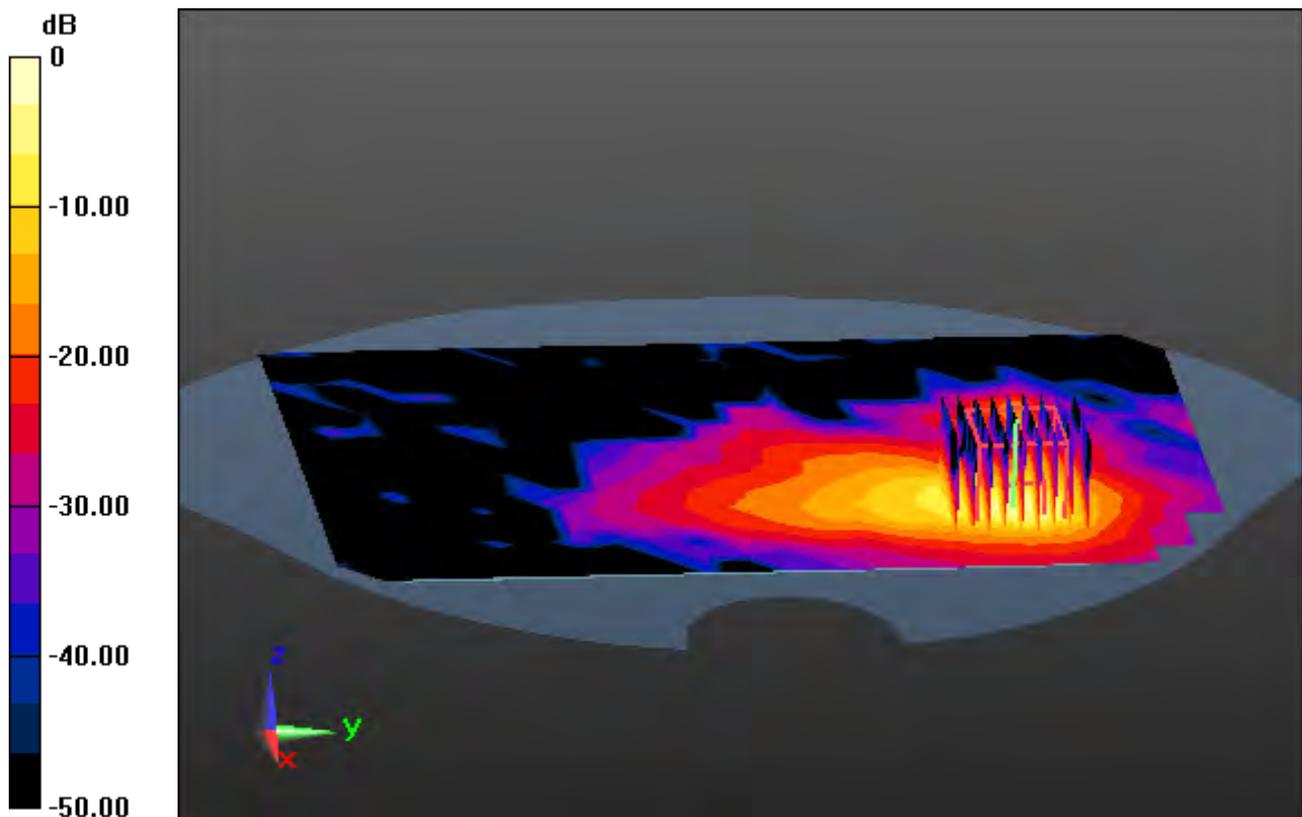
0 dB = 7.04 W/kg

Enlarged Plot for A64
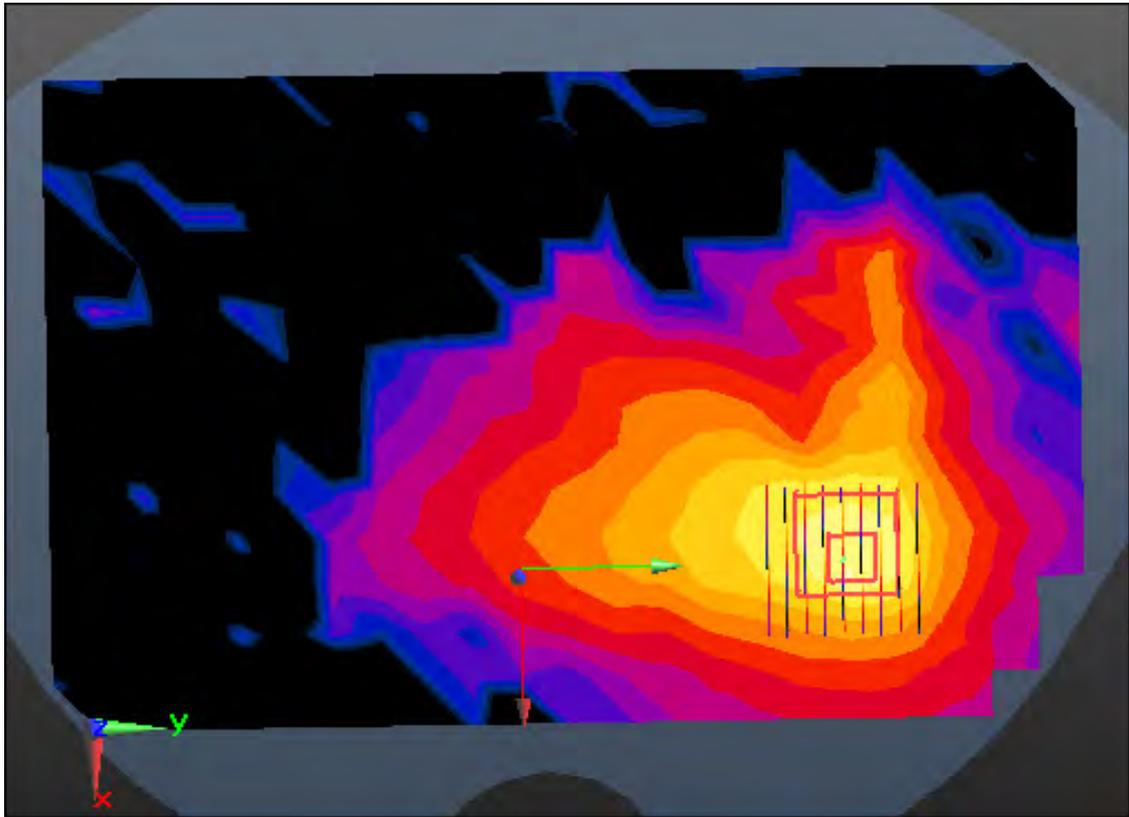
Enlarged Plot for A64

DT&C Co., Ltd.

DUT: LM-G900EM; Type: Bar

Communication System: UID 0, W-LAN_5300 (0); Frequency: 5280 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5280 MHz; σ = 5.3 S/m; ε_r = 49.232; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(4.56, 4.56, 4.56); Calibrated: 9/27/2019 Electronics: DAE3 Sn520
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2013_10_08_right; Type: QD000P40CD; Serial: TP:1785
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-07; Ambient Temp: 20.1; Tissue Temp: 20.7

Touch from Body, Rear, WLAN(802.11a) Ch. 56, Ant Internal, MIMO

Area Scan (15x23x1): 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 = -0.02 dB
Peak SAR (extrapolated) = 36.0 W/kg
SAR(1 g) = 4.31 W/kg; SAR(10 g) = 1.13 W/kg
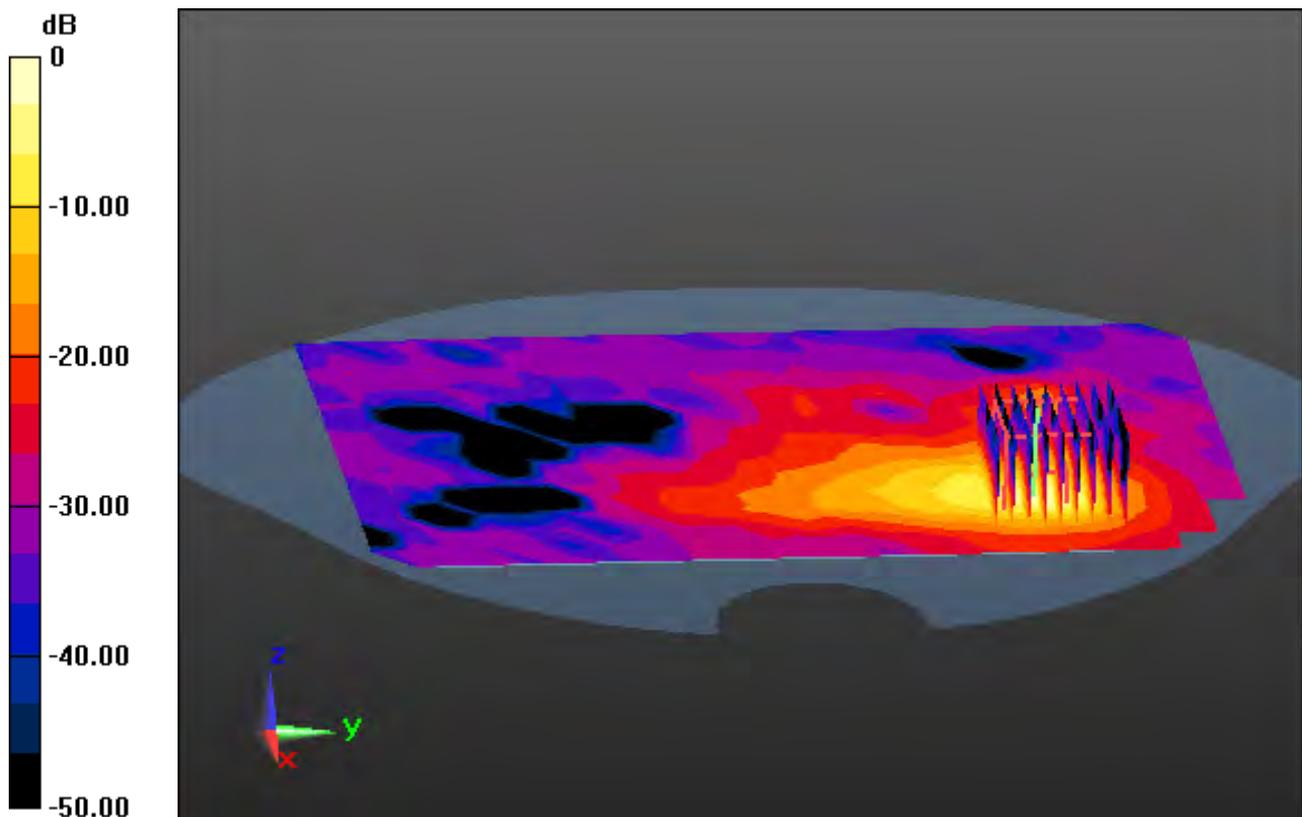
0 dB = 14.6 W/kg
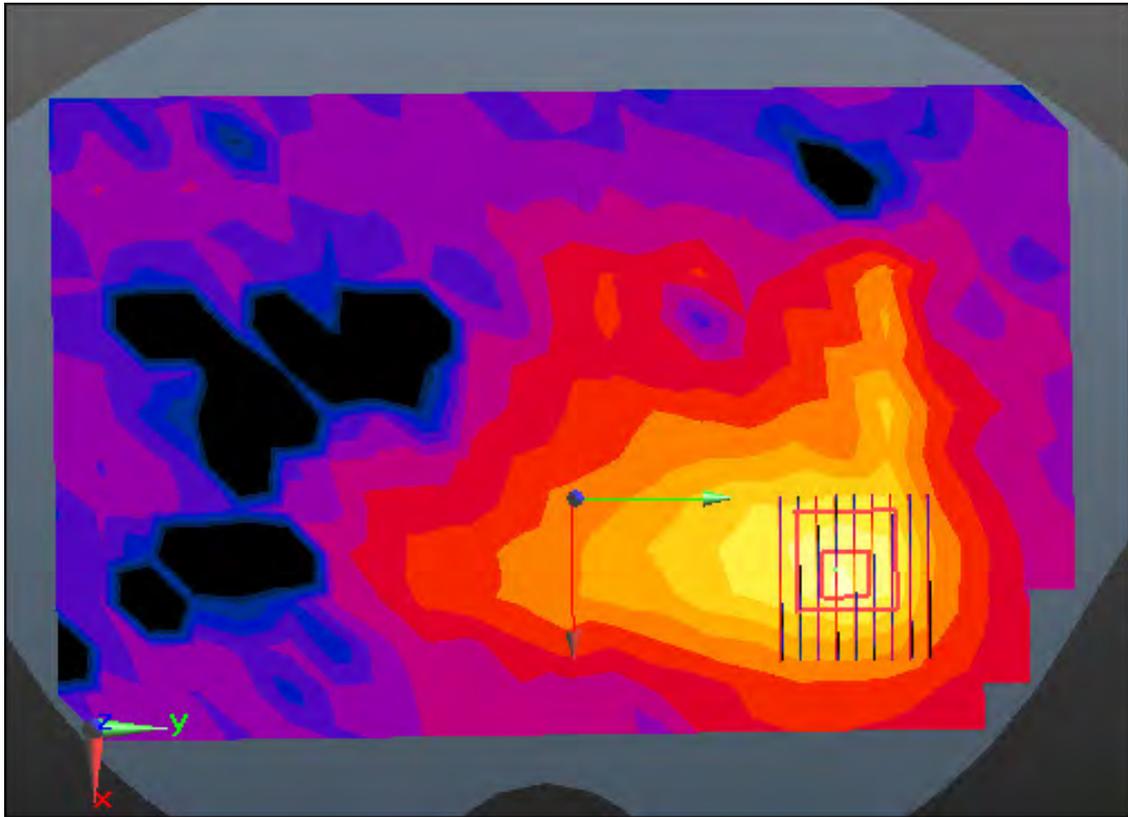
Enlarged Plot for A65
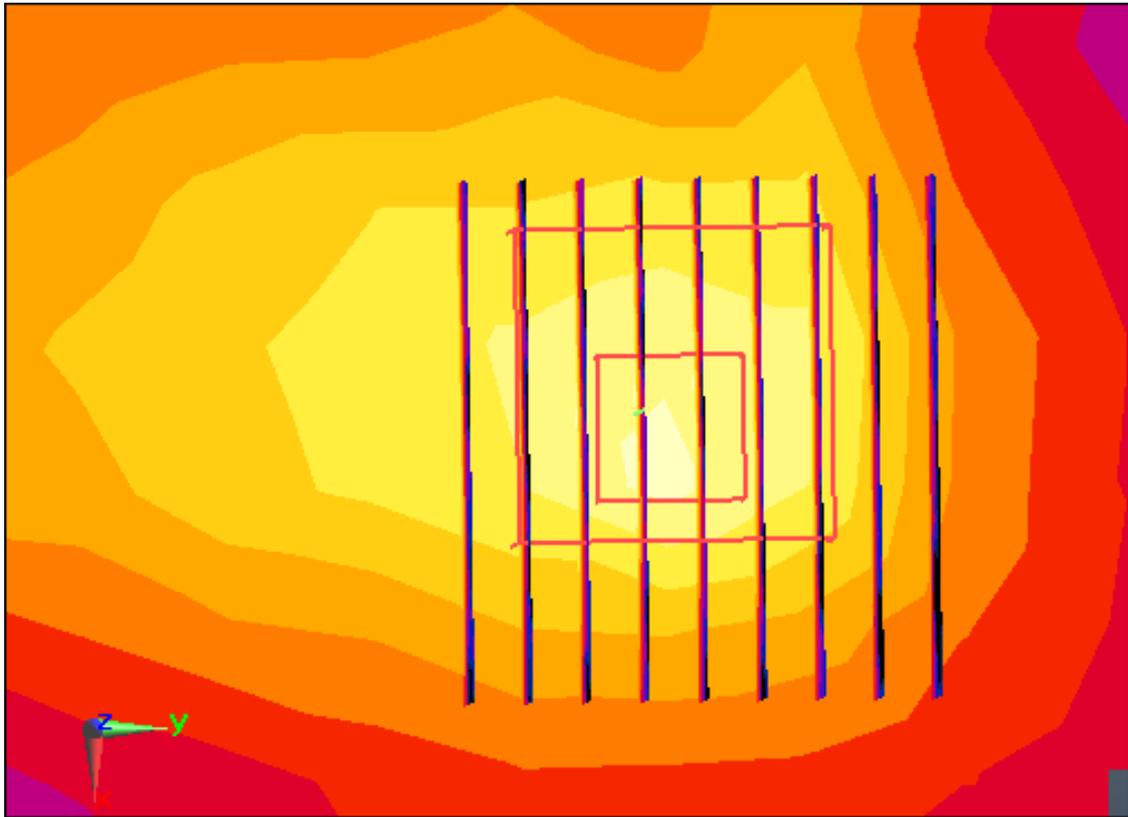
Enlarged Plot for A65

DT&C Co., Ltd.

DUT: LM-G900EM; Type: Bar

Communication System: UID 0, W-LAN_5500 (0); Frequency: 5500 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5500 MHz; σ = 5.751 S/m; $ε_r$ = 48.671; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(4.2, 4.2, 4.2); Calibrated: 9/27/2019 Electronics: DAE3 Sn520
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2013_10_08_right; Type: QD000P40CD; Serial: TP:1785
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-08; Ambient Temp: 21.1; Tissue Temp: 21.6

**Touch from Body, Rear, WLAN(802.11a) Ch. 100, Ant Internal, Ant.1**

Area Scan (15x23x1): 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) = 15.8 W/kg
SAR(1 g) = 2.17 W/kg; SAR(10 g) = 0.486 W/kg

0 dB = 7.47 W/kg

A66
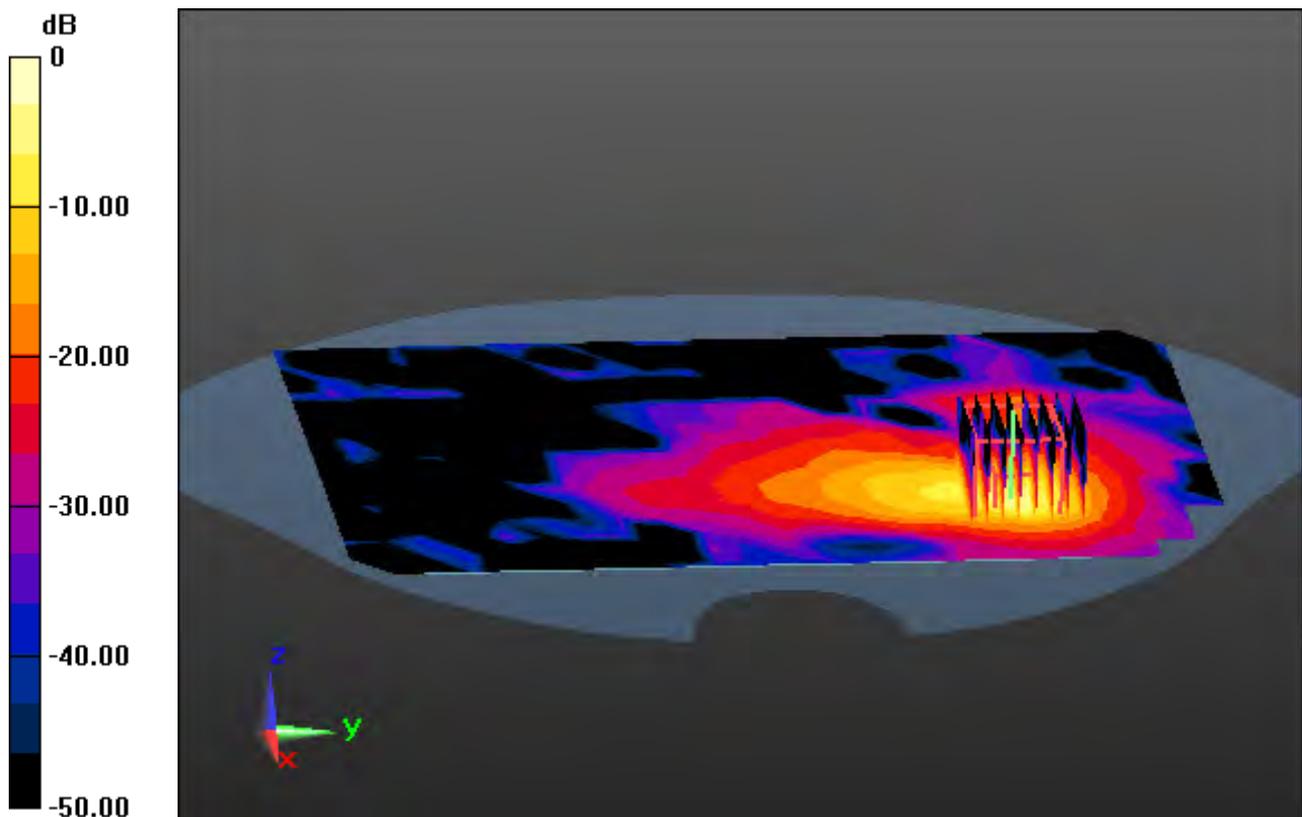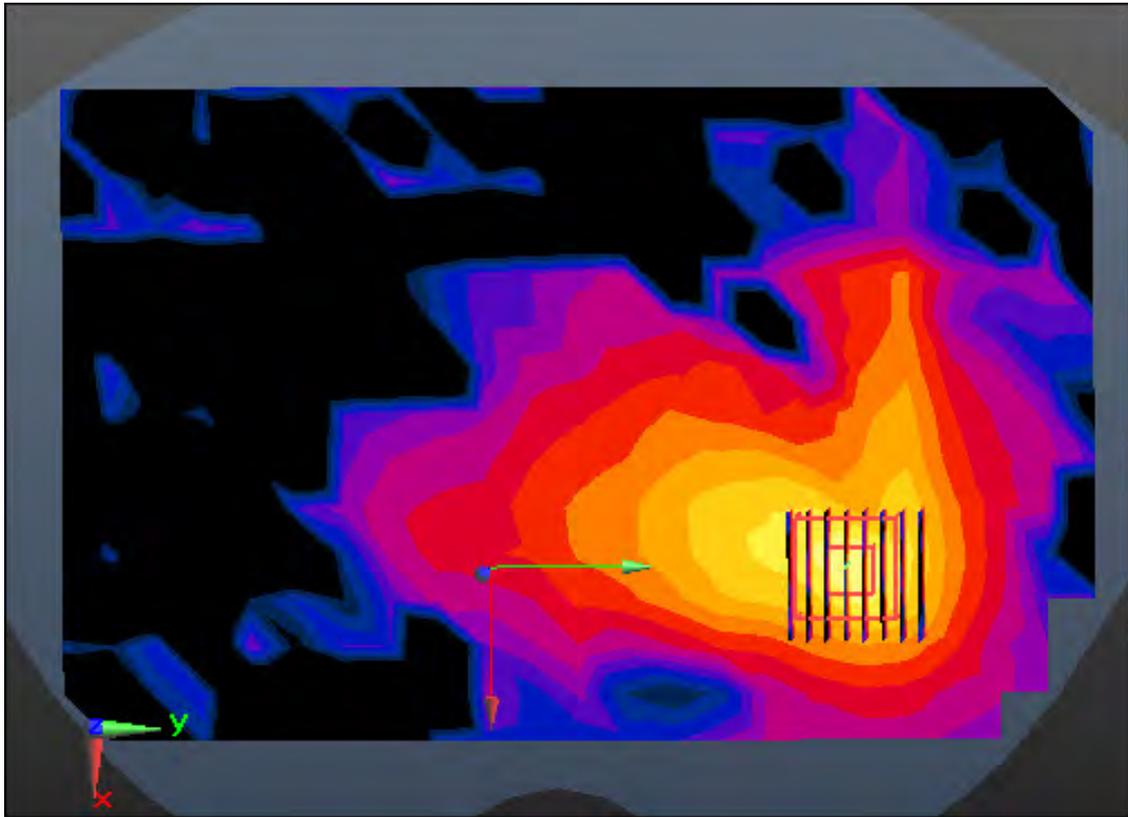
Enlarged Plot for A66
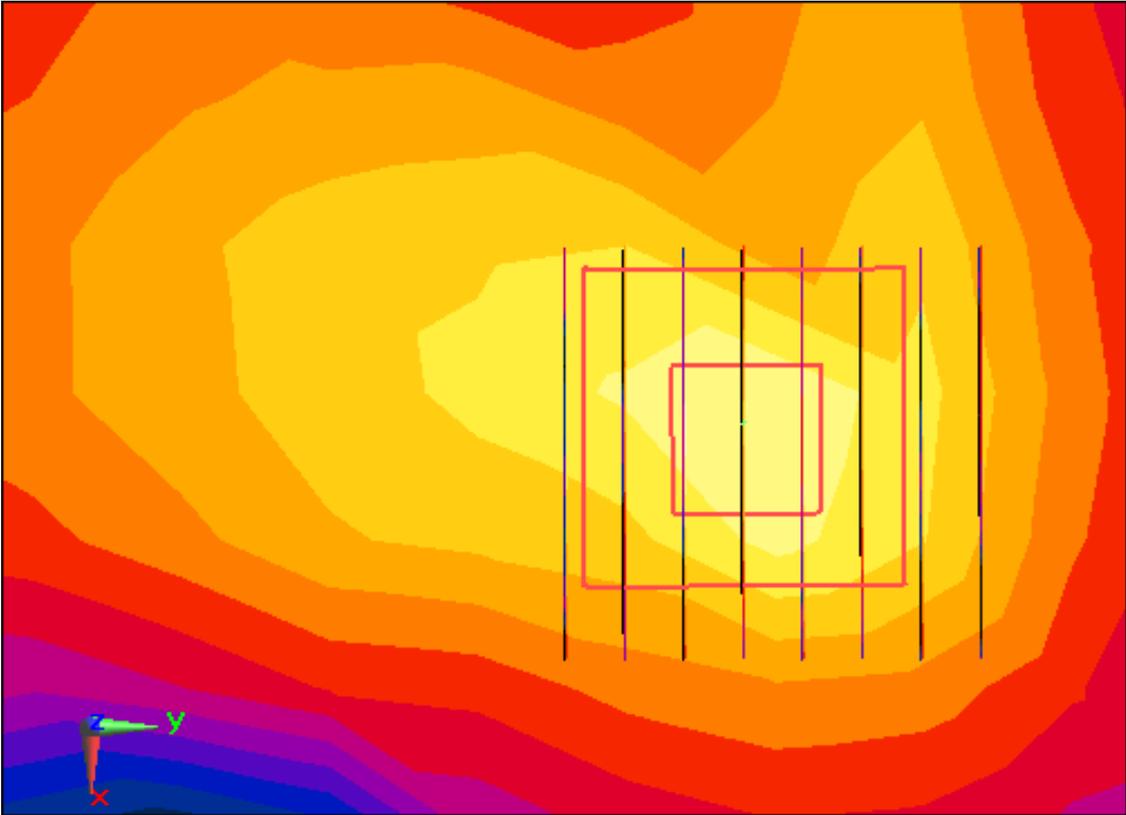
Enlarged Plot for A66

DT&C Co., Ltd.

DUT: LM-G900EM; Type: Bar

Communication System: UID 0, W-LAN_5600 (0); Frequency: 5720 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5720 MHz; σ = 6.062 S/m; ε_r = 48.288; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(4.13, 4.13, 4.13); Calibrated: 9/27/2019 Electronics: DAE3 Sn520
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2013_10_08_right; Type: QD000P40CD; Serial: TP:1785
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-08; Ambient Temp: 21.1; Tissue Temp: 21.6

Touch from Body, Rear, WLAN(802.11a) Ch. 144, Ant Internal, Ant.2

Area Scan (15x23x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (9x9x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio:1.4
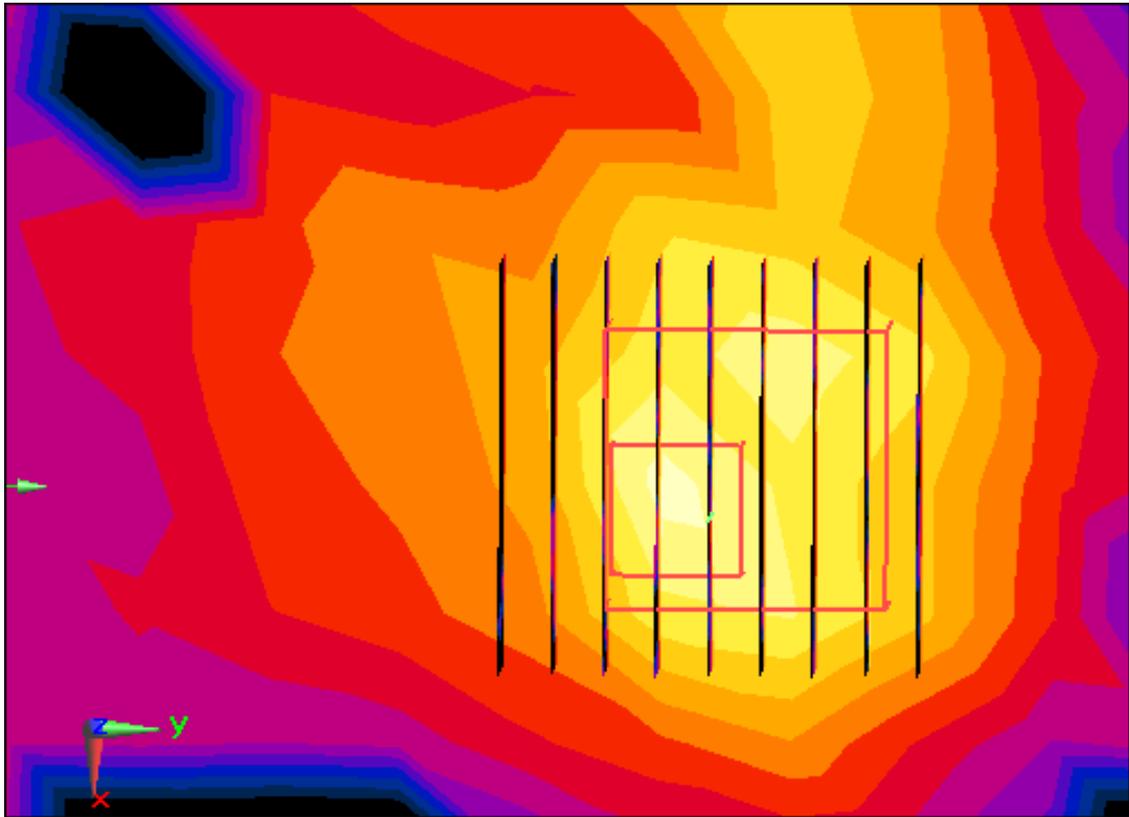Power Drift = -0.04 dB
Peak SAR (extrapolated) = 7.45 W/kg
SAR(1 g) = 0.770 W/kg; SAR(10 g) = 0.192 W/kg
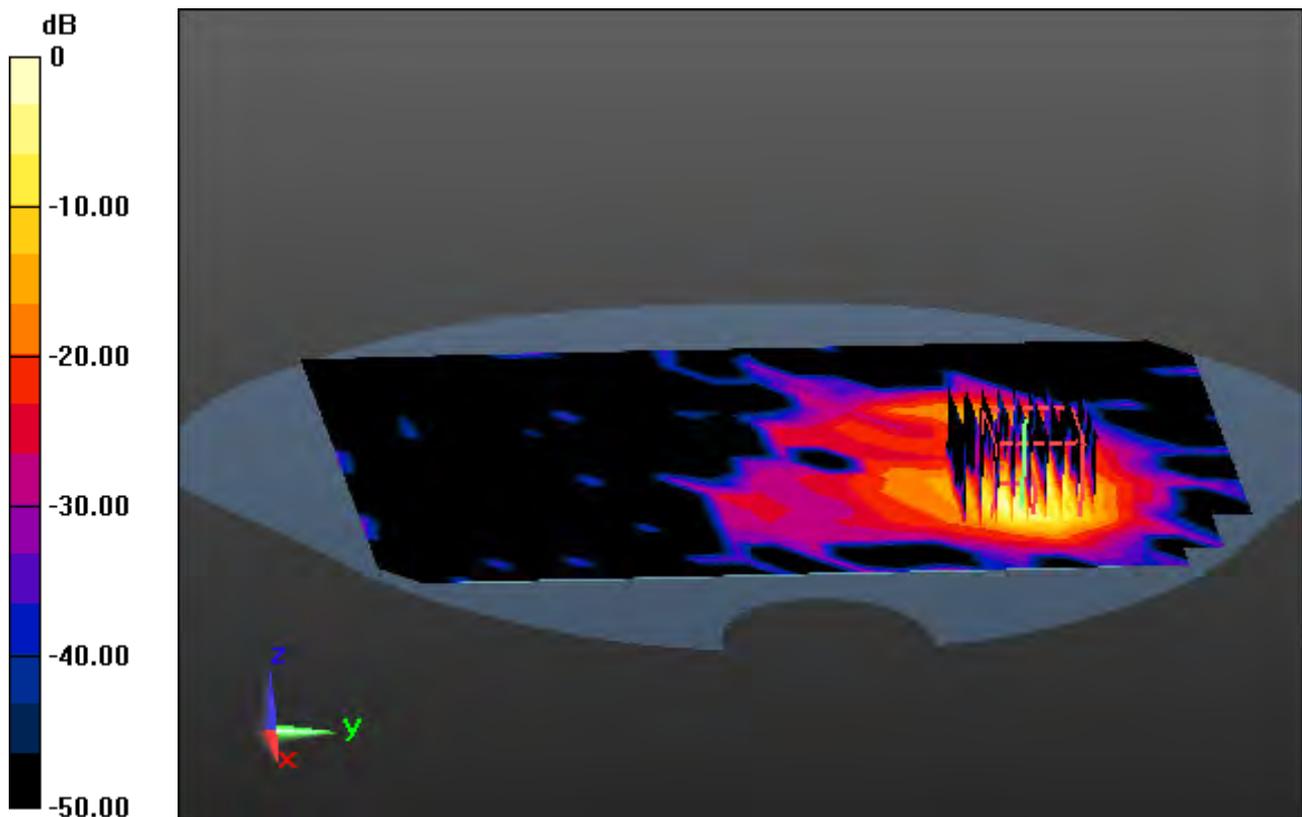
0 dB = 2.80 W/kg
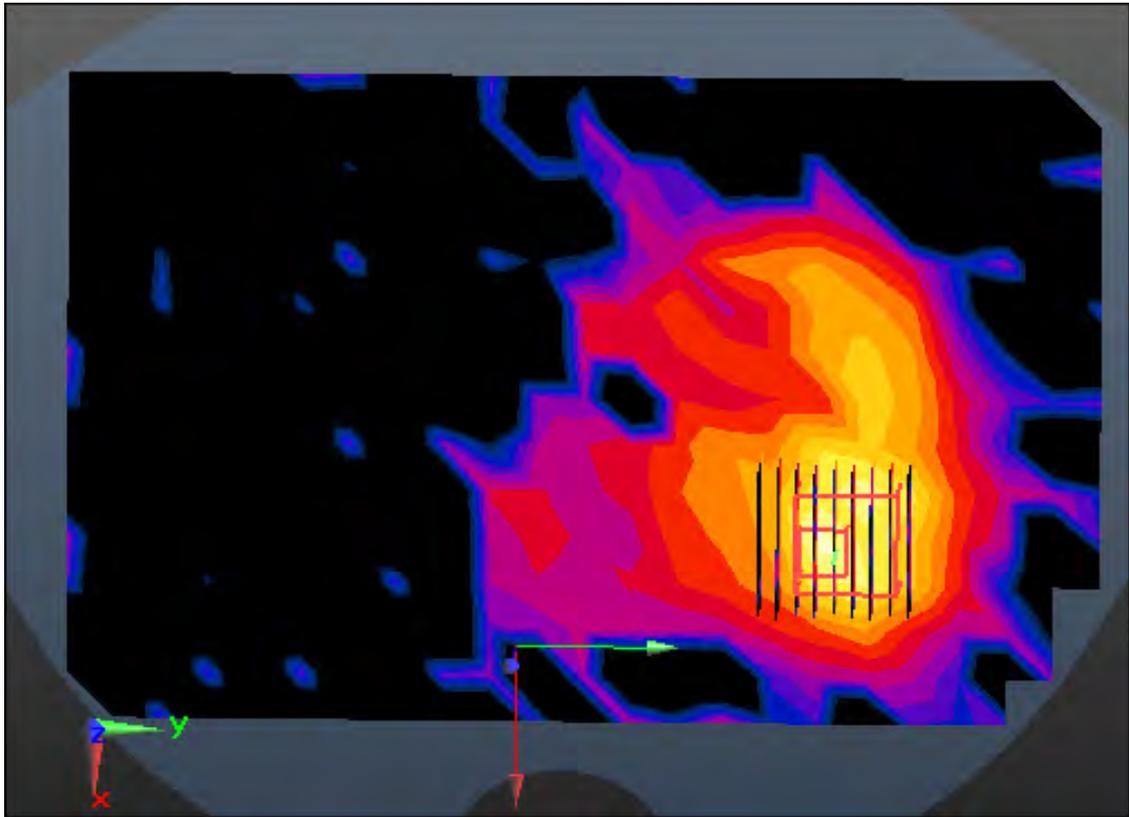
Enlarged Plot for A67

Enlarged Plot for A67

DT&C Co., Ltd.

DUT: LM-G900EM; Type: Bar

Communication System: UID 0, W-LAN_5500 (0); Frequency: 5500 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5500 MHz; σ = 5.751 S/m; ε_r = 48.671; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(4.2, 4.2, 4.2); Calibrated: 9/27/2019 Electronics: DAE3 Sn520
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2013_10_08_right; Type: QD000P40CD; Serial: TP:1785
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-08; Ambient Temp: 21.1; Tissue Temp: 21.6

Touch from Body, Rear, WLAN(802.11a) Ch. 100, Ant Internal, MIMO

Area Scan (15x23x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (9x9x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio:1.4
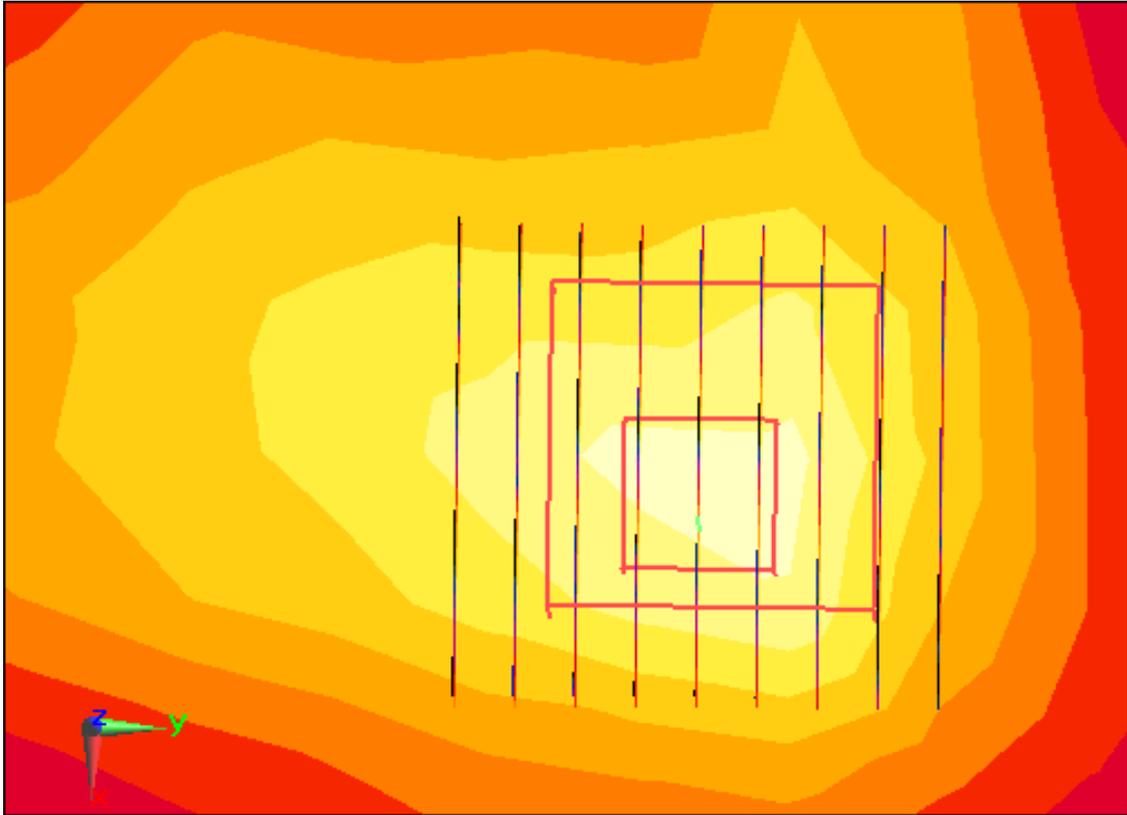Power Drift = -0.04 dB
Peak SAR (extrapolated) = 21.0 W/kg
SAR(1 g) = 3.36 W/kg; SAR(10 g) = 0.921 W/kg

0 dB = 9.02 W/kg

A68
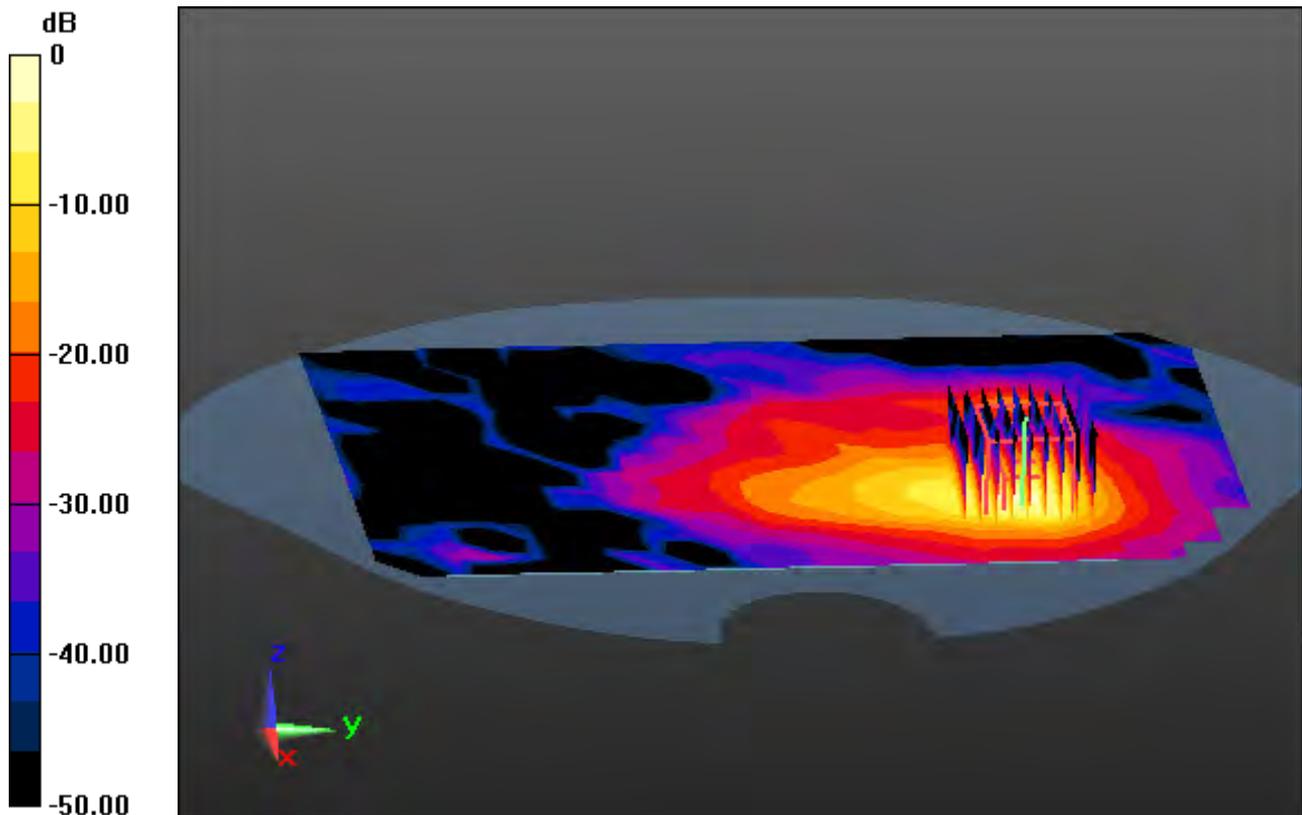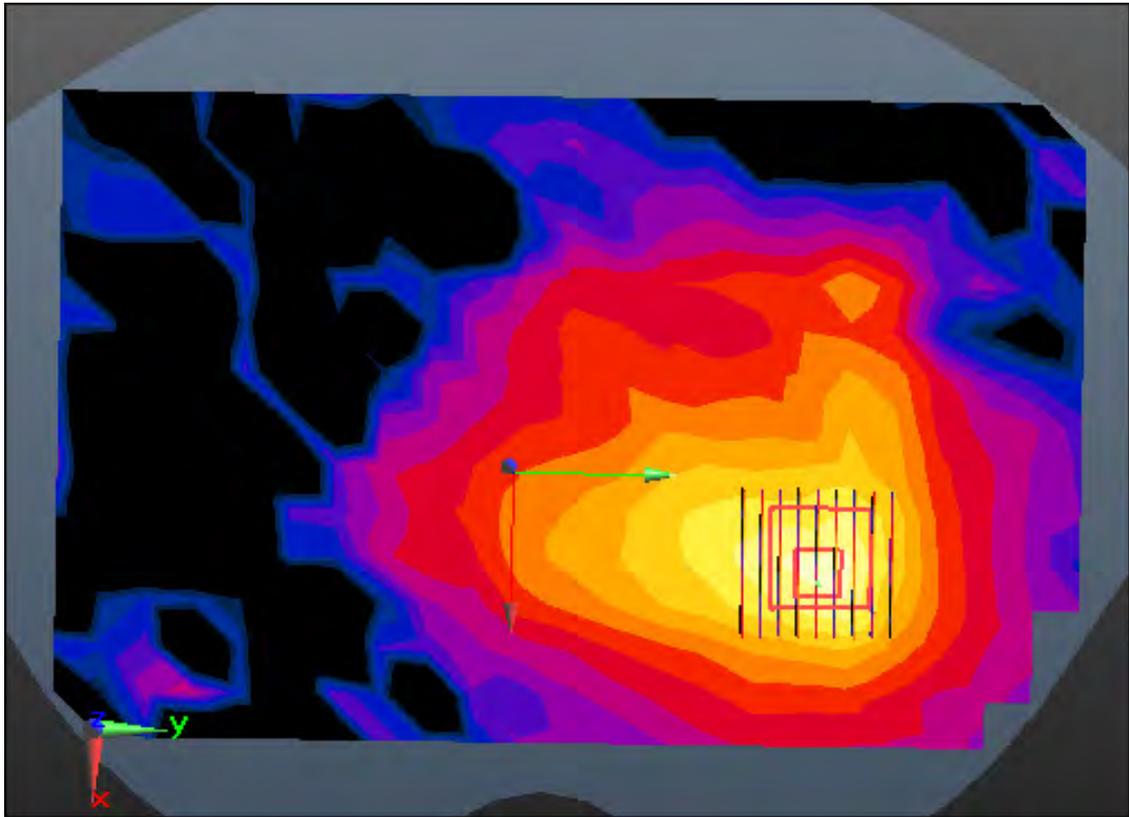
Enlarged Plot for A68

Enlarged Plot for A68

DT&C Co., Ltd.

DUT: LM-G900EM; Type: Bar

Communication System: UID 0, W-LAN_5800 (0); Frequency: 5825 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5825 MHz; σ = 6.234 S/m; ε_r = 48.336; ρ = 1000 kg/m³
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(4.13, 4.13, 4.13); Calibrated: 9/27/2019 Electronics: DAE3 Sn520
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2013_10_08_right; Type: QD000P40CD; Serial: TP:1785
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-09; Ambient Temp: 20.7; Tissue Temp: 20.9

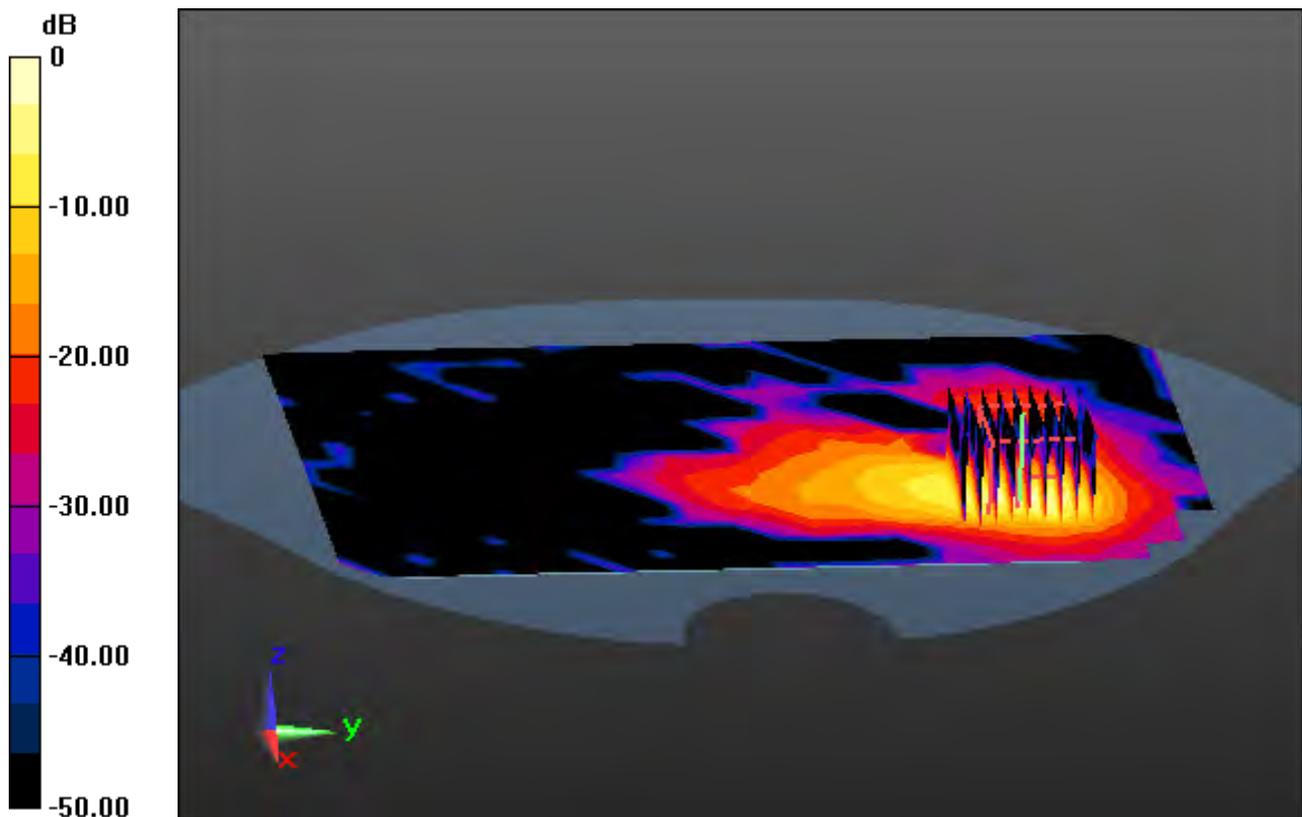**Touch from Body, Rear, WLAN(802.11a) Ch. 165, Ant Internal, Ant.1**

Area Scan (15x23x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (9x9x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio:1.4
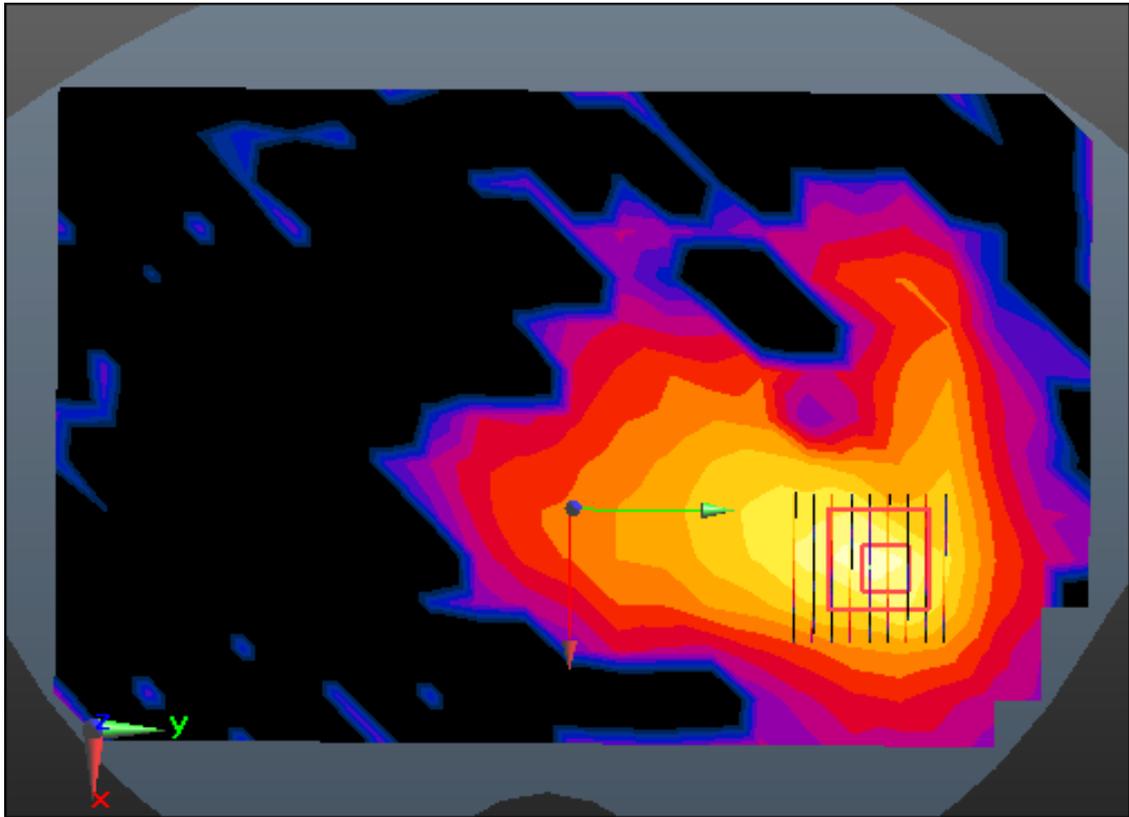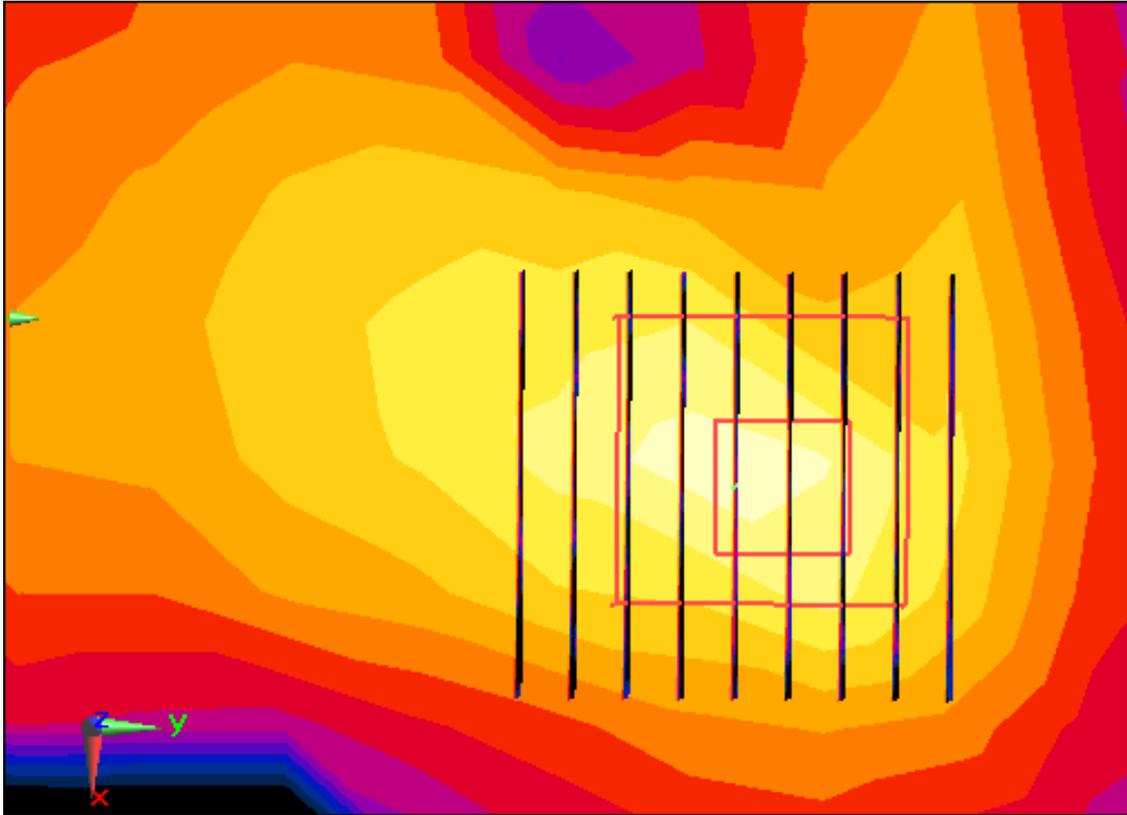Power Drift = 0.18 dB
Peak SAR (extrapolated) = 6.64 W/kg
SAR(1 g) = 0.897 W/kg; SAR(10 g) = 0.228 W/kg

0 dB = 3.19 W/kg

Enlarged Plot for A69

Enlarged Plot for A69

DT&C Co., Ltd.

DUT: LM-G900EM; Type: Bar

Communication System: UID 0, W-LAN_5800 (0); Frequency: 5825 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5825 MHz; σ = 6.234 S/m; ε_r = 48.336; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(4.13, 4.13, 4.13); Calibrated: 9/27/2019 Electronics: DAE3 Sn520
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2013_10_08_right; Type: QD000P40CD; Serial: TP:1785
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-09; Ambient Temp: 20.7; Tissue Temp: 20.9

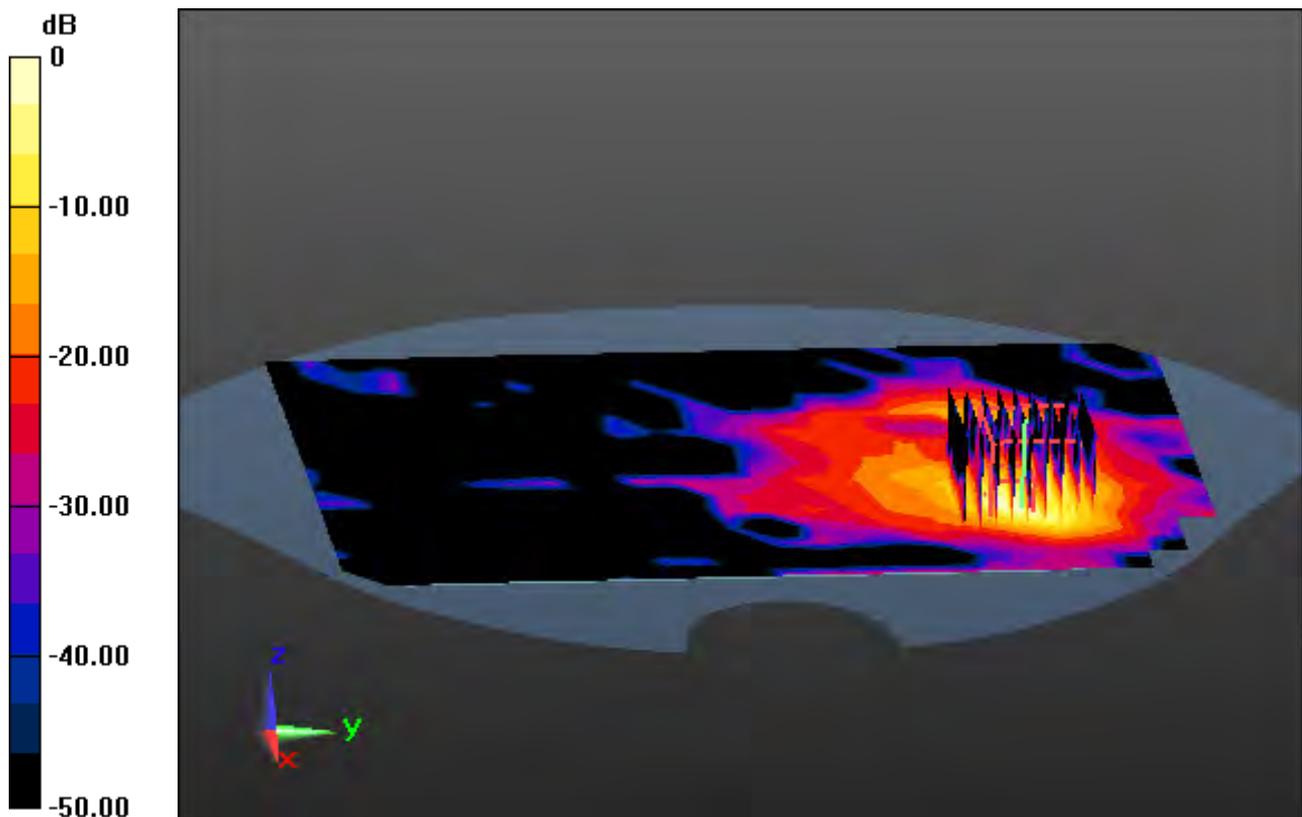**Touch from Body, Rear, WLAN(802.11a) Ch. 165, Ant Internal, Ant.2**

Area Scan (15x23x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (9x9x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio:1.4
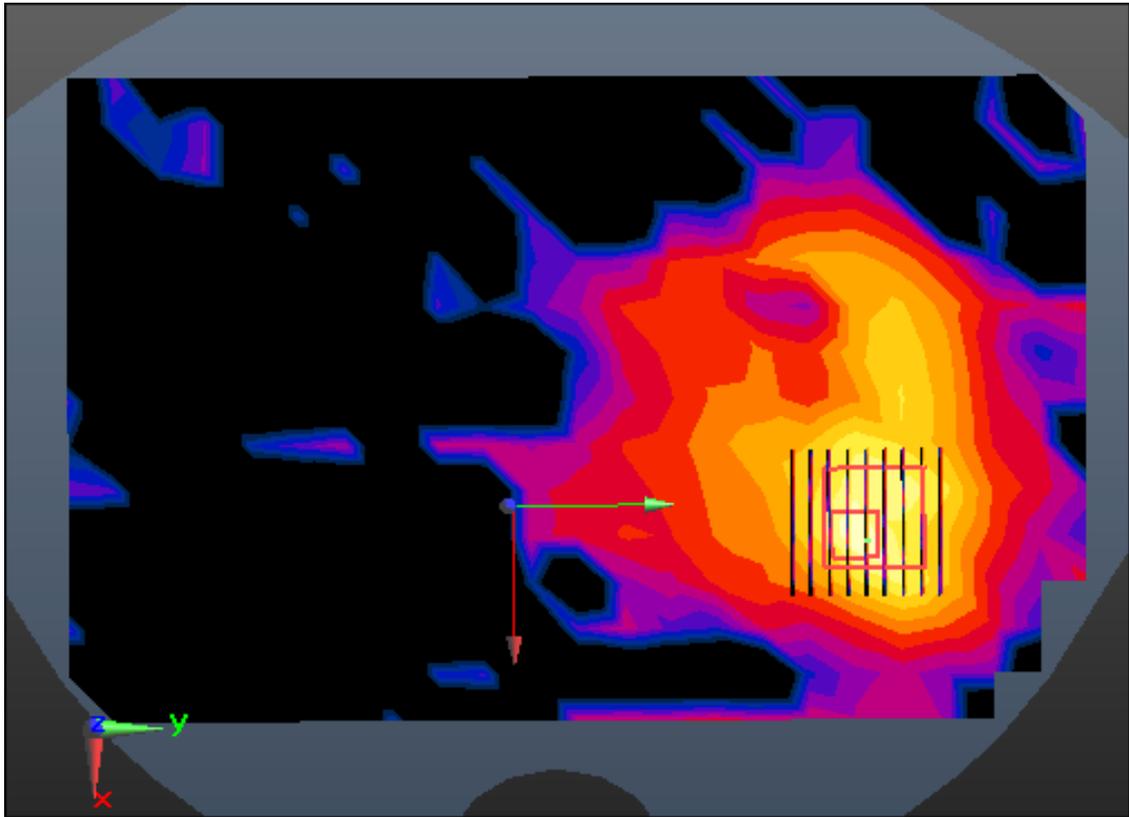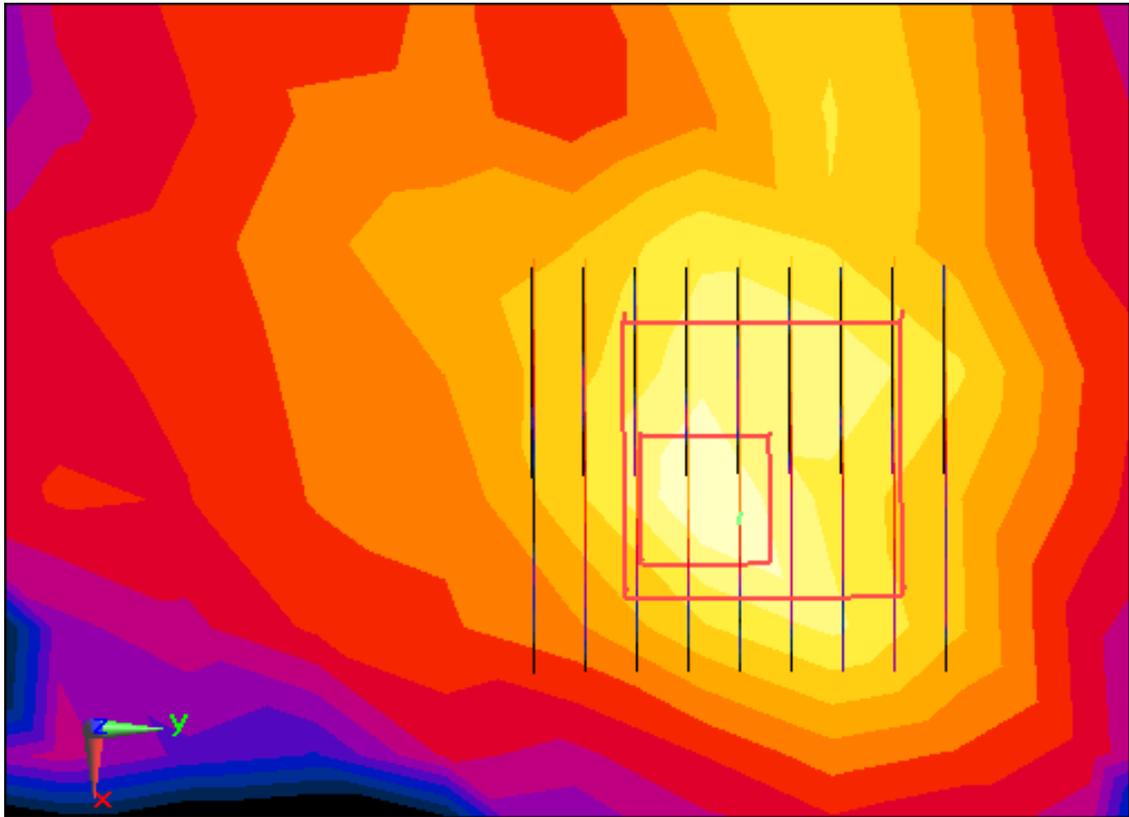Power Drift = -0.17 dB
Peak SAR (extrapolated) = 9.65 W/kg
SAR(1 g) = 0.986 W/kg; SAR(10 g) = 0.245 W/kg

0 dB = 3.40 W/kg

Enlarged Plot for A70

Enlarged Plot for A70

DT&C Co., Ltd.

DUT: LM-G900EM; Type: Bar

Communication System: UID 0, W-LAN_5800 (0); Frequency: 5825 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5825 MHz; σ = 6.234 S/m; ε_r = 48.336; ρ = 1000 kg/m³
Phantom section: Flat Section

DASY5 Configuration:
Probe: EX3DV4 - SN3933; ConvF(4.13, 4.13, 4.13); Calibrated: 9/27/2019 Electronics: DAE3 Sn520
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2013_10_08_right; Type: QD000P40CD; Serial: TP:1785
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-09; Ambient Temp: 20.7; Tissue Temp: 20.9

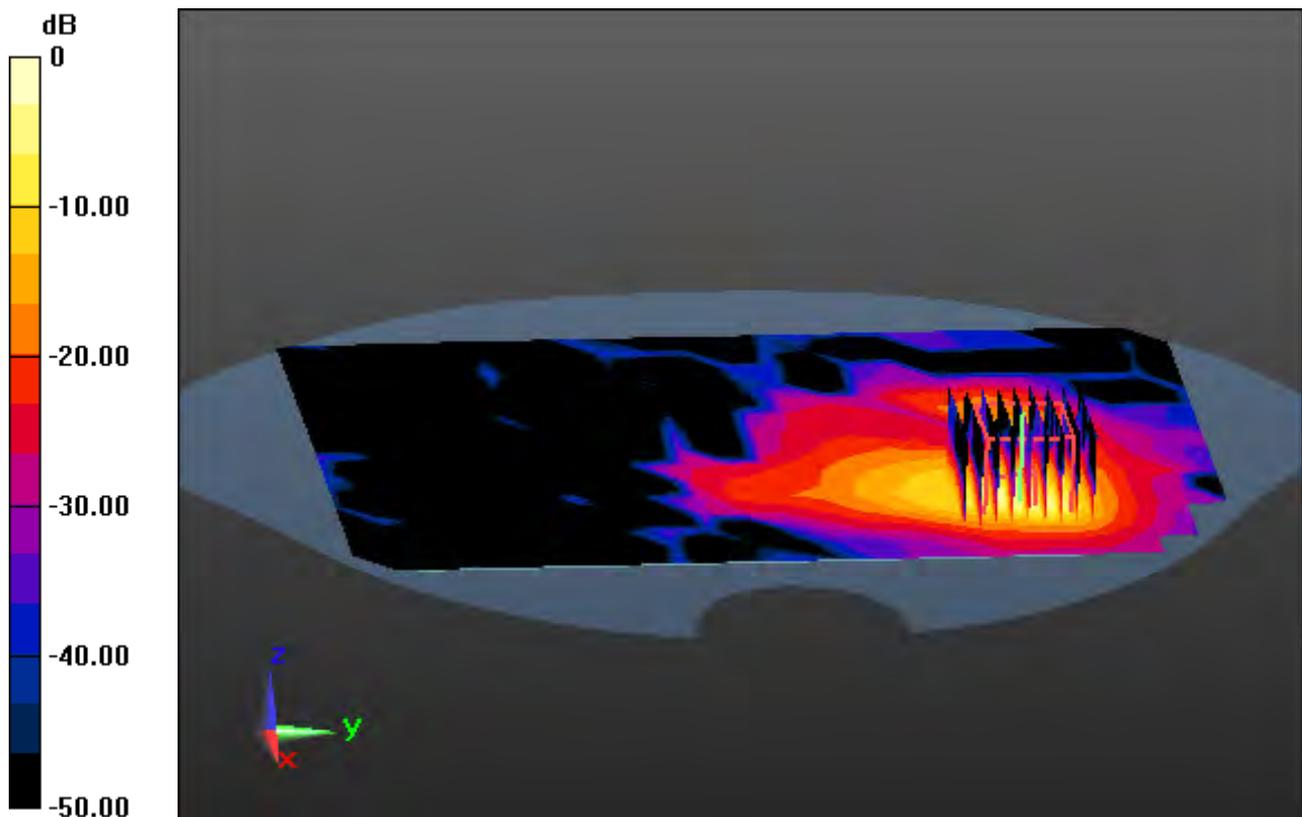**Touch from Body, Rear, WLAN(802.11a) Ch. 165, Ant Internal, MIMO**

Area Scan (15x23x1): Measurement grid: dx=10mm, dy=10mm
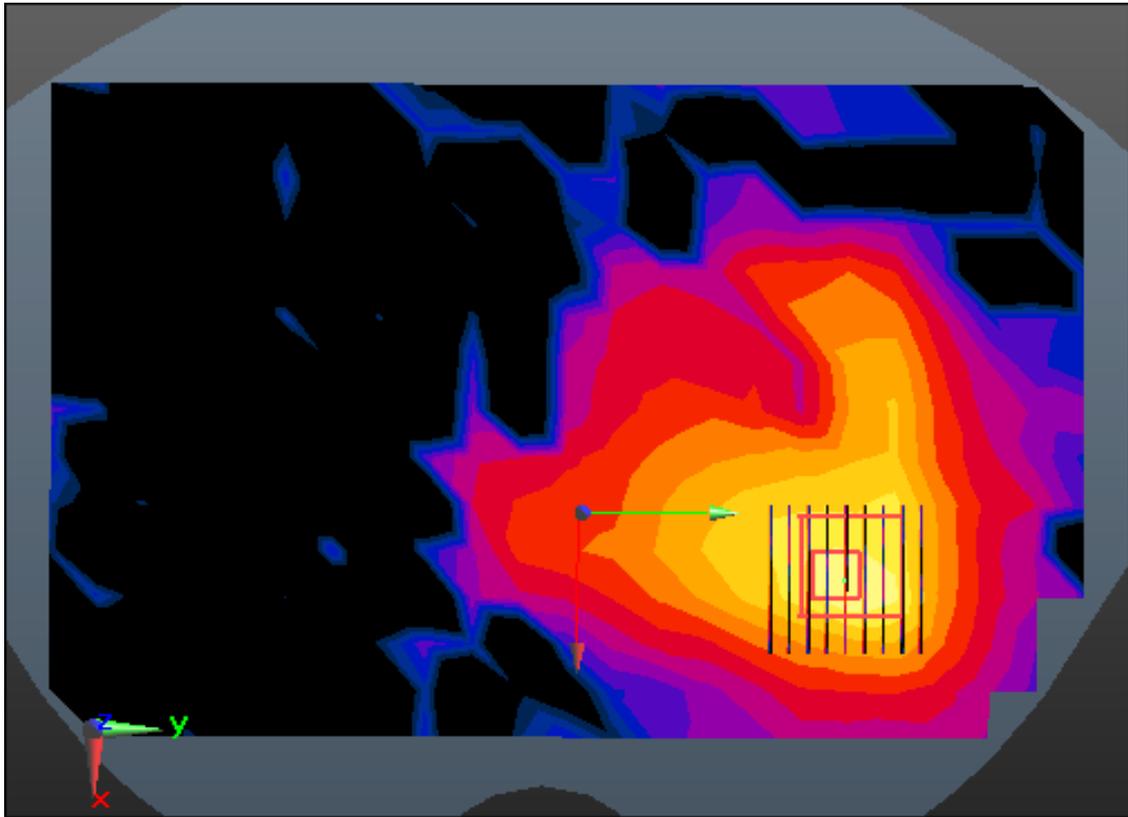**Zoom Scan (9x9x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm, Graded Ratio:1.4
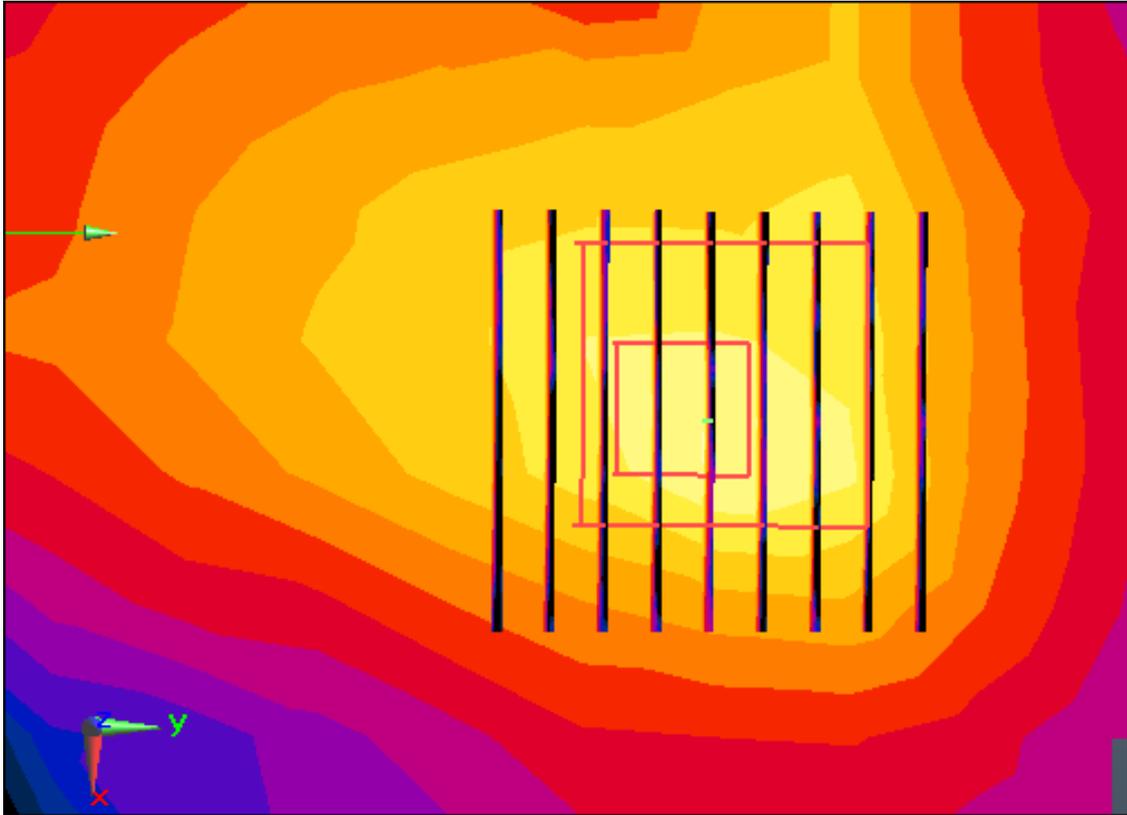Power Drift = -0.01 dB
Peak SAR (extrapolated) = 16.4 W/kg
SAR(1 g) = 1.9 W/kg; SAR(10 g) = 0.473 W/kg

0 dB = 7.32 W/kg

A71

Enlarged Plot for A71

Enlarged Plot for A71