

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: $f = 750 \text{ MHz}$; $\sigma = 0.924 \text{ S/m}$; $\epsilon_r = 40.806$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(9.85, 9.85, 9.85); Calibrated: 5/28/2019; Electronics: DAE4 Sn1394
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM-twin middle_2013_09_24; Type: QD000P40CD; Serial: 1782
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-09-04; Ambient Temp: 21.2; Tissue Temp: 21.4

750 MHz System Verification (250 mW)

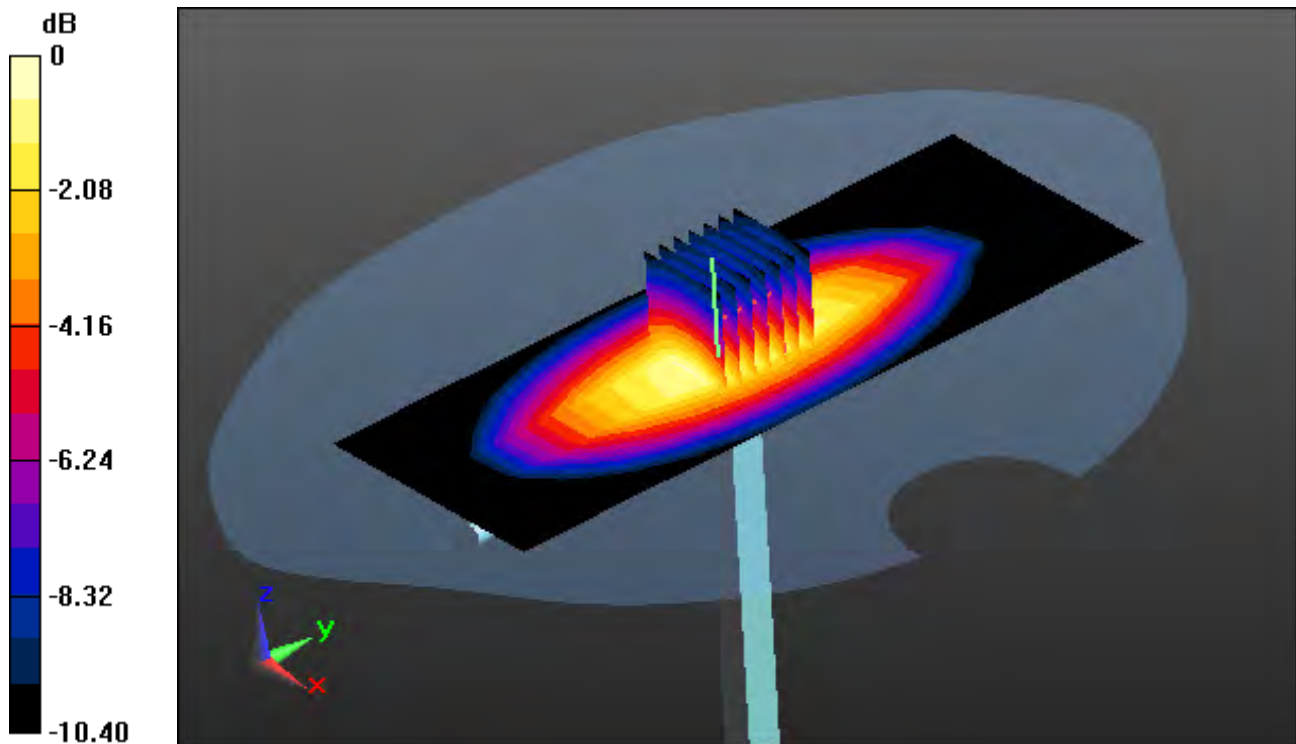
Area Scan (6x15x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.09 dB

Peak SAR (extrapolated) = 3.33 W/kg

SAR(1 g) = 2.24 W/kg; SAR(10 g) = 1.48 W/kg



0 dB = 2.83 W/kg

DT&C Co., Ltd.

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

Communication System: UID 0, CW (0); Frequency: 750 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 750$ MHz; $\sigma = 0.911$ S/m; $\epsilon_r = 41.608$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(9.85, 9.85, 9.85); Calibrated: 5/28/2019; Electronics: DAE4 Sn1394
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM-twin middle_2013_09_24; Type: QD000P40CD; Serial: 1782
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-09-06; Ambient Temp: 21.0; Tissue Temp: 20.4

750 MHz System Verification (250 mW)

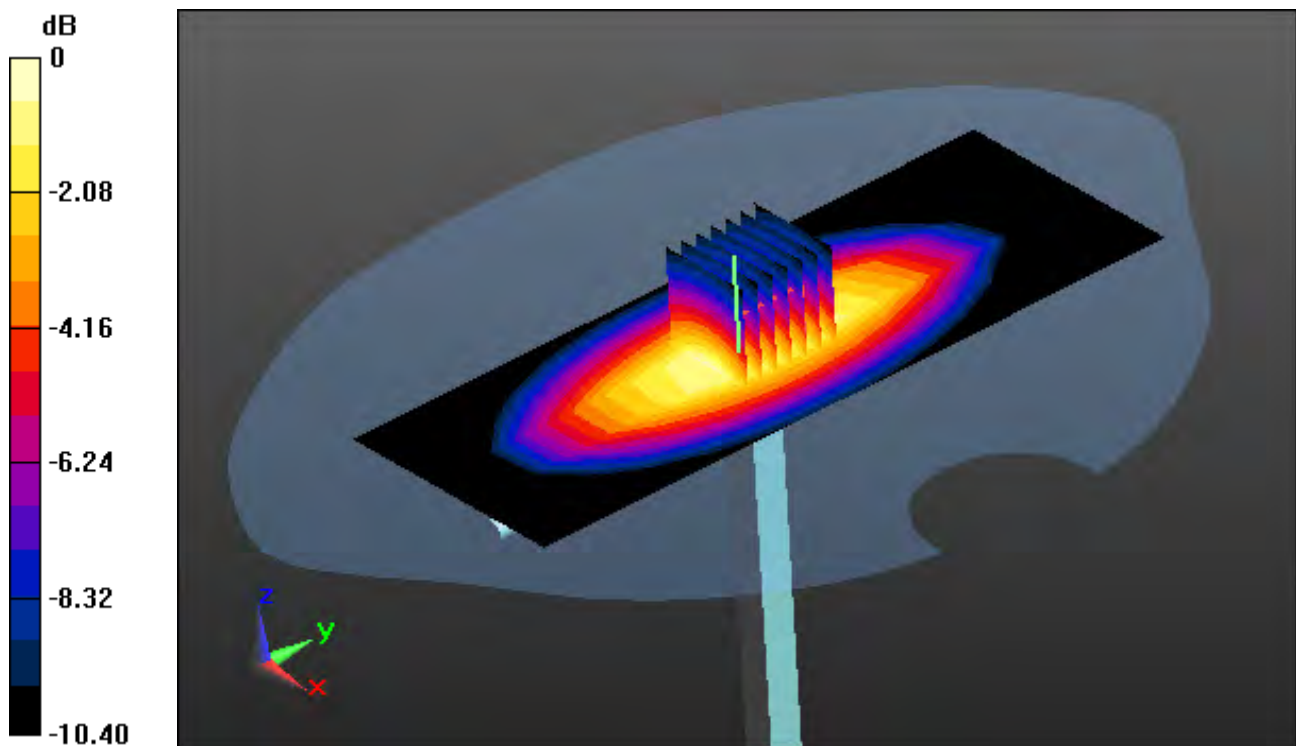
Area Scan (6x15x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.12 dB

Peak SAR (extrapolated) = 3.28 W/kg

SAR(1 g) = 2.21 W/kg; SAR(10 g) = 1.46 W/kg



0 dB = 2.79 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: $f = 750 \text{ MHz}$; $\sigma = 0.895 \text{ S/m}$; $\epsilon_r = 42.687$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(9.85, 9.85, 9.85); Calibrated: 5/28/2019; Electronics: DAE4 Sn1394
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM-twin middle_2013_09_24; Type: QD000P40CD; Serial: 1782
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-09-09; Ambient Temp: 21.3; Tissue Temp: 21.4

750 MHz System Verification (250 mW)

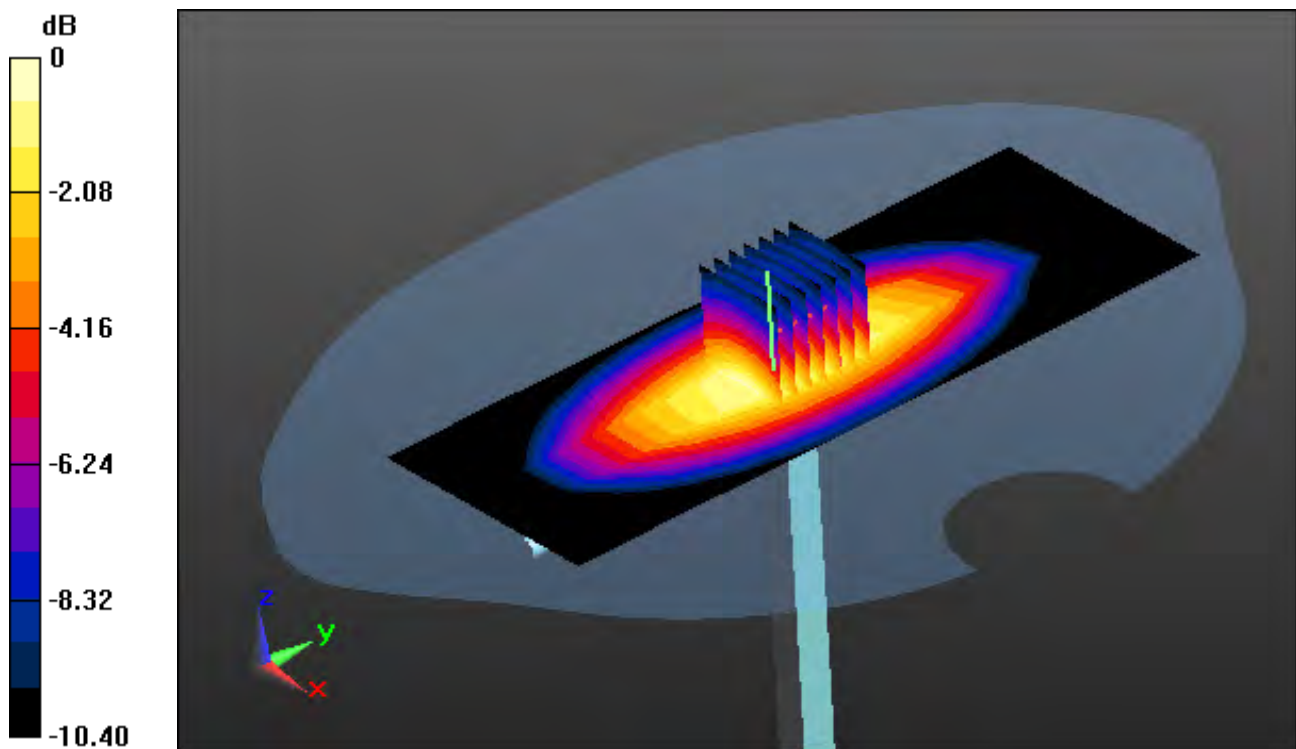
Area Scan (6x15x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.07 dB

Peak SAR (extrapolated) = 3.23 W/kg

SAR(1 g) = 2.17 W/kg; SAR(10 g) = 1.43 W/kg



0 dB = 2.74 W/kg

DT&C Co., Ltd.

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

Communication System: UID 0, CW (0); Frequency: 835 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.917 \text{ S/m}$; $\epsilon_r = 42.827$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(9.39, 9.39, 9.39); Calibrated: 5/28/2019; Electronics: DAE4 Sn1394
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM-twin middle_2013_09_24; Type: QD000P40CD; Serial: 1782
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-09-02; Ambient Temp: 21.3; Tissue Temp: 21.0

835 MHz System Verification (250 mW)

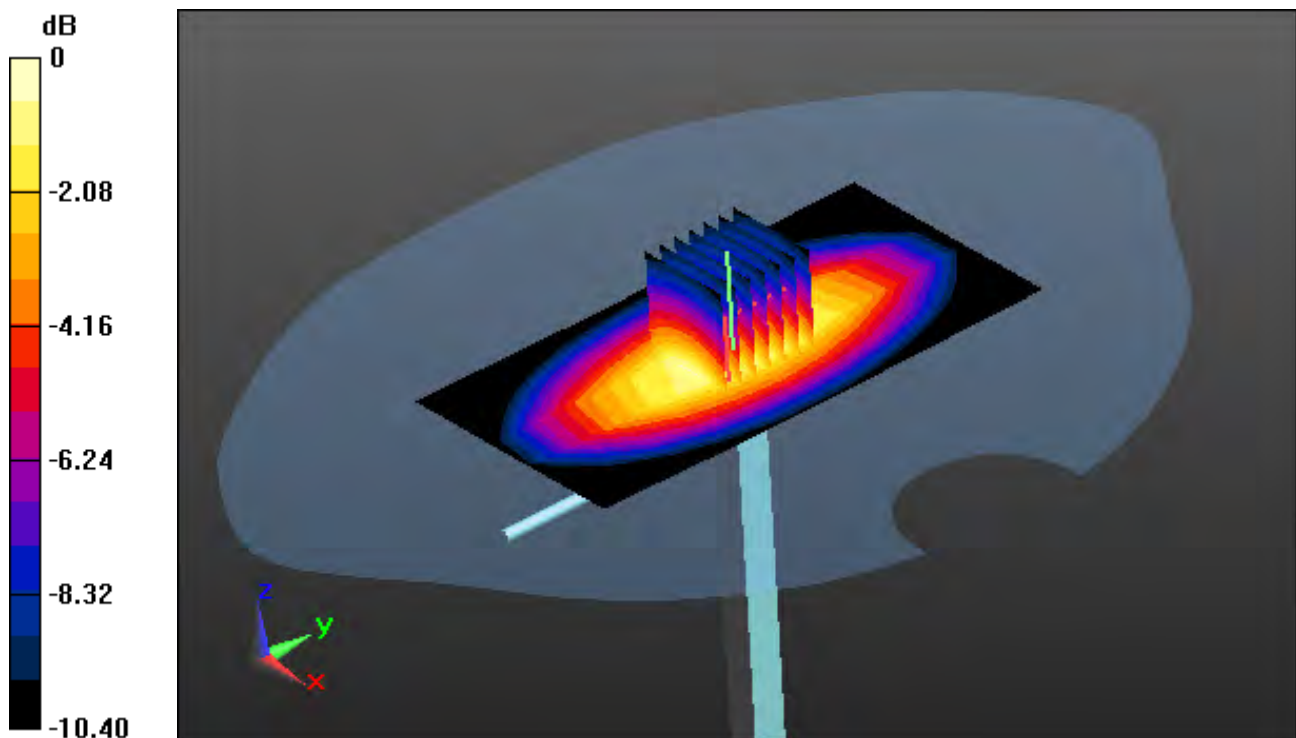
Area Scan (6x11x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.02 dB

Peak SAR (extrapolated) = 3.71 W/kg

SAR(1 g) = 2.45 W/kg; SAR(10 g) = 1.6 W/kg



0 dB = 2.99 W/kg

DT&C Co., Ltd.

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

Communication System: UID 0, CW (0); Frequency: 835 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.892 \text{ S/m}$; $\epsilon_r = 41.525$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(9.39, 9.39, 9.39); Calibrated: 5/28/2019; Electronics: DAE4 Sn1394
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM-twin middle_2013_09_24; Type: QD000P40CD; Serial: 1782
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-09-03; Ambient Temp: 21.1; Tissue Temp: 21.3

835 MHz System Verification (250 mW)

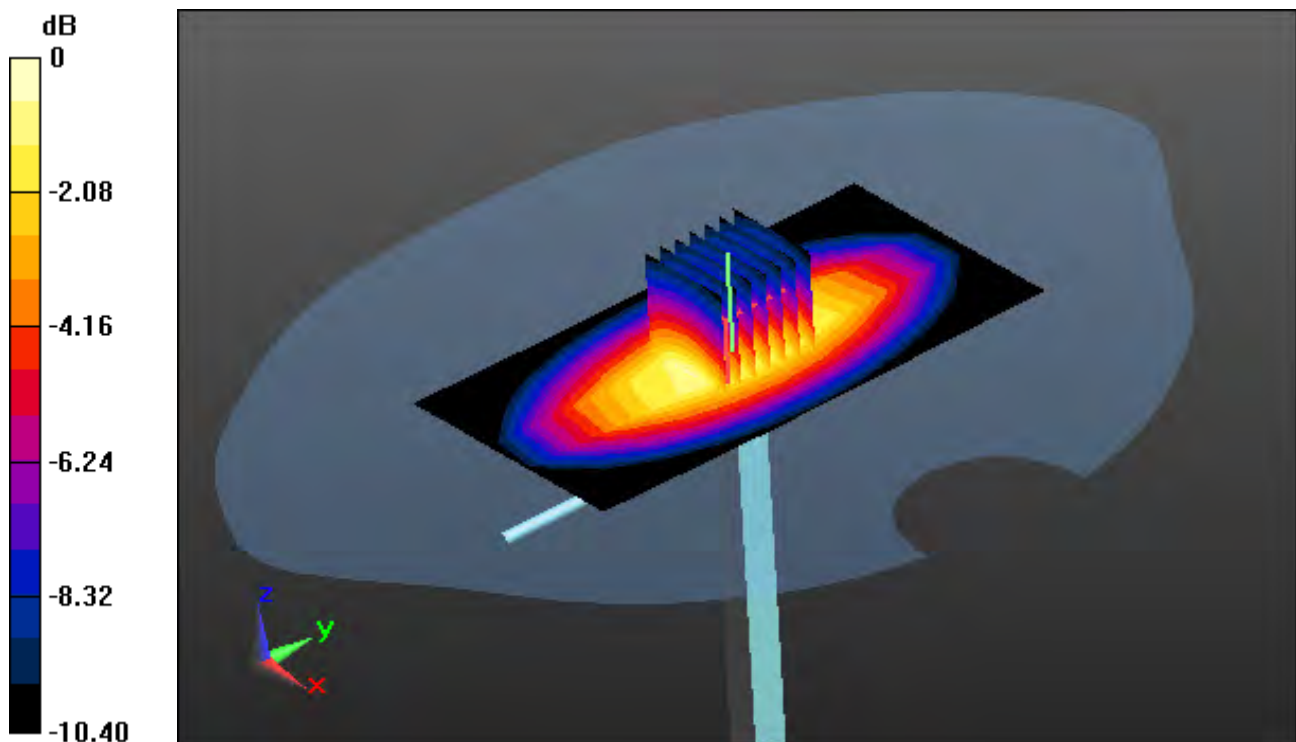
Area Scan (6x11x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.06 dB

Peak SAR (extrapolated) = 3.61 W/kg

SAR(1 g) = 2.38 W/kg; SAR(10 g) = 1.56 W/kg



0 dB = 2.91 W/kg

DT&C Co., Ltd.

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

Communication System: UID 0, CW (0); Frequency: 835 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.879 \text{ S/m}$; $\epsilon_r = 40.738$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(9.39, 9.39, 9.39); Calibrated: 5/28/2019; Electronics: DAE4 Sn1394
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM-twin middle_2013_09_24; Type: QD000P40CD; Serial: 1782
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-09-05; Ambient Temp: 21.4; Tissue Temp: 21.3

835 MHz System Verification (250 mW)

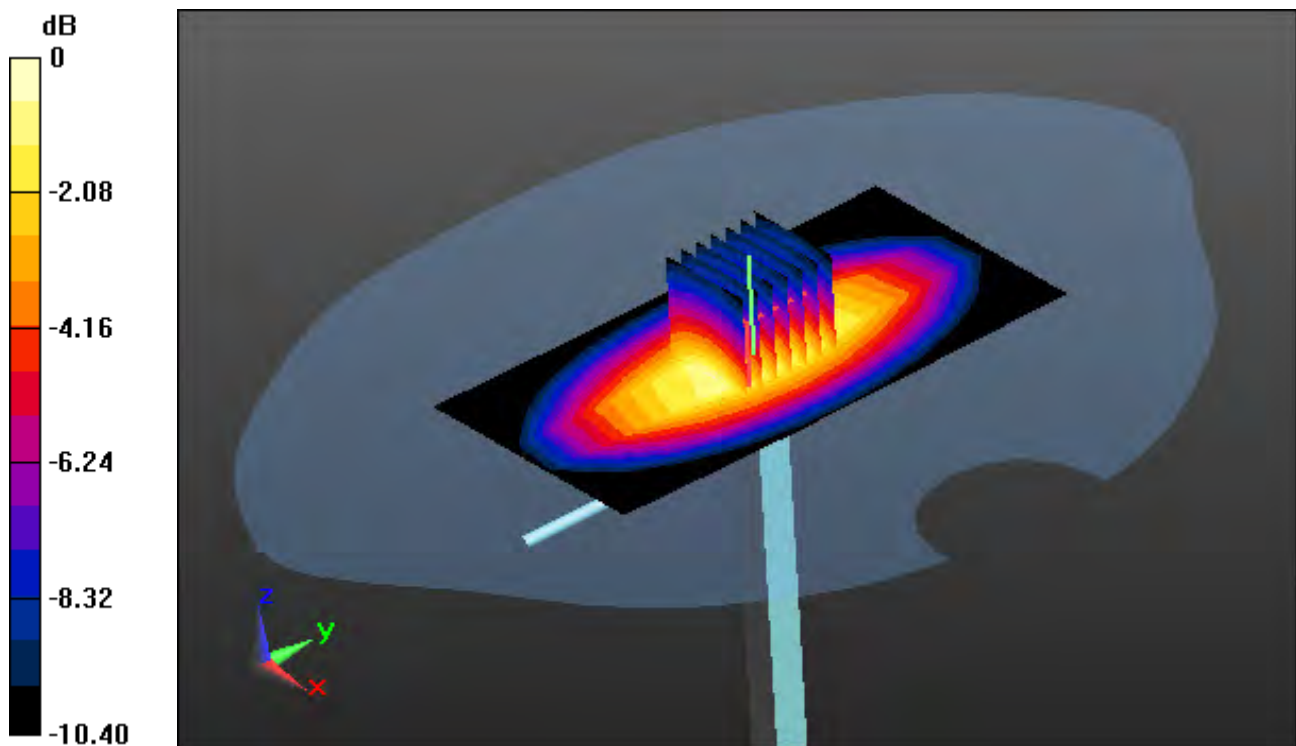
Area Scan (6x11x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.10 dB

Peak SAR (extrapolated) = 3.56 W/kg

SAR(1 g) = 2.35 W/kg; SAR(10 g) = 1.54 W/kg



0 dB = 2.87 W/kg

DT&C Co., Ltd.

DUT: Dipole 1800 MHz; Type: D1800V2; Serial: SN2d047

Communication System: UID 0, CW (0); Frequency: 1800 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1800$ MHz; $\sigma = 1.407$ S/m; $\epsilon_r = 39.696$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN7337; ConvF(8.96, 8.96, 8.96) @ 1800 MHz; Calibrated: 2018-11-22
Electronics: DAE4 Sn1394

Sensor-Surface: 2mm (Mechanical Surface Detection)

Phantom: SAM_Right 20170922; Type: QD000P40CD; Serial: 1895

Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

Test Date: 2019-10-02; Ambient Temp: 21.7; Tissue Temp: 21.5

1800 MHz System Verification (100 mW)

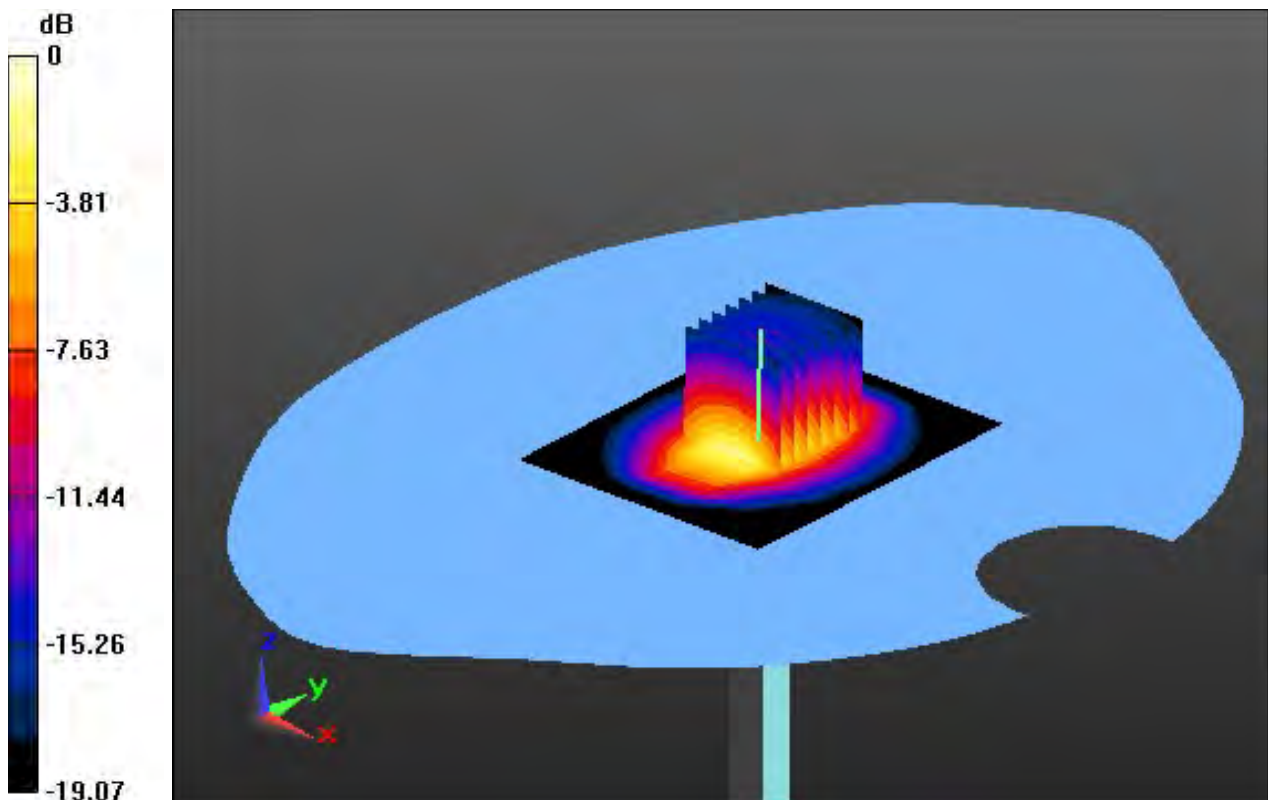
Area Scan (6x7x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.01 dB

Peak SAR (extrapolated) = 7.20 W/kg

SAR(1 g) = 3.81 W/kg; SAR(10 g) = 1.95 W/kg



0 dB = 5.54 W/kg

DT&C Co., Ltd.

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: SN5d029

Communication System: UID 0, CW (0); Frequency: 1900 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1900$ MHz; $\sigma = 1.416$ S/m; $\epsilon_r = 39.265$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN7337; ConvF(8.49, 8.49, 8.49) @ 1900 MHz; Calibrated: 2018-11-22
Electronics: DAE4 Sn1394

Sensor-Surface: 2mm (Mechanical Surface Detection)

Phantom: SAM_Right 20170922; Type: QD000P40CD; Serial: 1895

Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

Test Date: 2019-10-01; Ambient Temp: 21.3; Tissue Temp: 21.2

1900 MHz System Verification (100 mW)

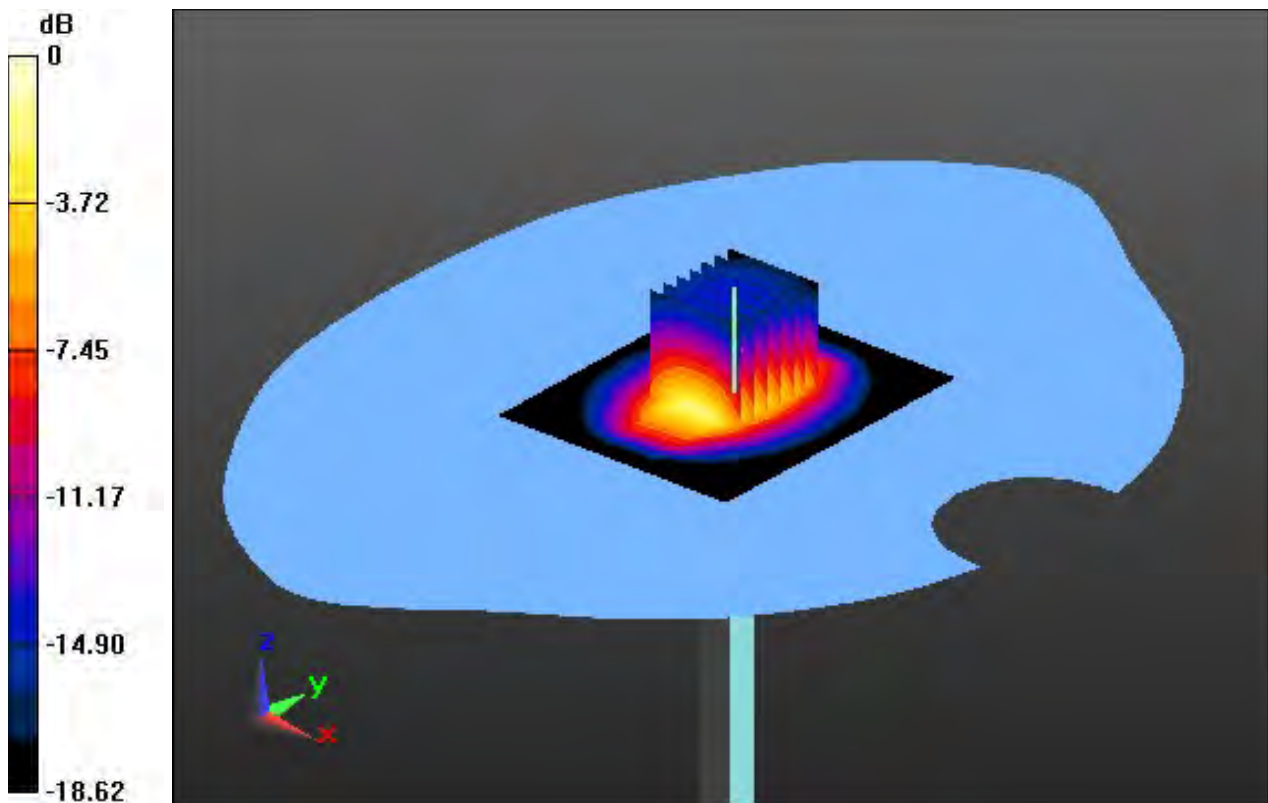
Area Scan (6x7x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.00 dB

Peak SAR (extrapolated) = 7.73 W/kg

SAR(1 g) = 4.09 W/kg; SAR(10 g) = 2.09 W/kg



DT&C Co., Ltd.

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: SN5d029

Communication System: UID 0, CW (0); Frequency: 1900 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1900$ MHz; $\sigma = 1.401$ S/m; $\epsilon_r = 39.956$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN7337; ConvF(8.49, 8.49, 8.49) @ 1900 MHz; Calibrated: 2018-11-22
Electronics: DAE4 Sn1394

Sensor-Surface: 2mm (Mechanical Surface Detection)

Phantom: SAM_Right_20170922; Type: QD000P40CD; Serial: 1895

Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

Test Date: 2019-10-04; Ambient Temp: 21.8; Tissue Temp: 21.6

1900 MHz System Verification (100 mW)

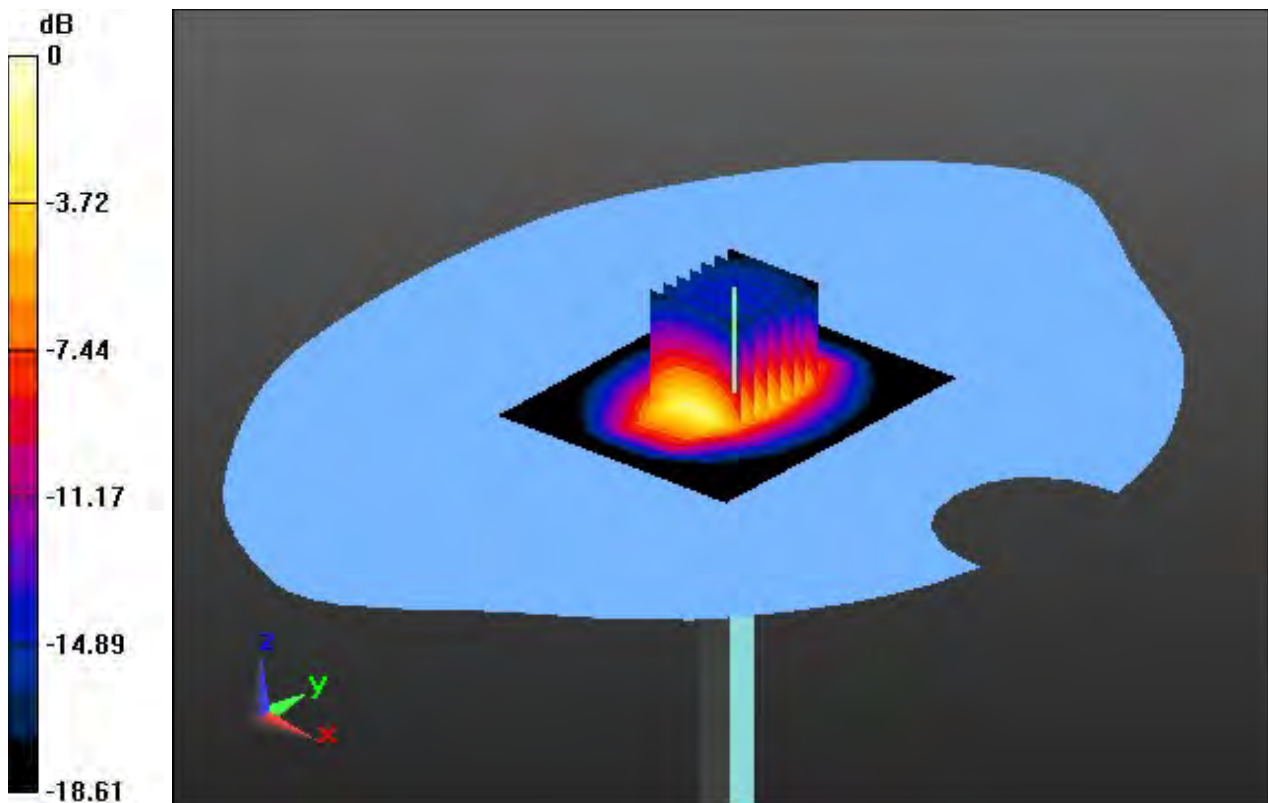
Area Scan (6x7x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.02 dB

Peak SAR (extrapolated) = 7.43 W/kg

SAR(1 g) = 3.94 W/kg; SAR(10 g) = 2.02 W/kg



DT&C Co., Ltd.

DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:920

Communication System: UID 0, CW (0); Frequency: 2450 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2450$ MHz; $\sigma = 1.758$ S/m; $\epsilon_r = 38.643$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3916; ConvF(7.66, 7.66, 7.66); Calibrated: 4/25/2019; Electronics: DAE4 Sn1392
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2013_10_08_right; Type: QD000P40CD; Serial: TP:1785
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-08-22; Ambient Temp: 21.5; Tissue Temp: 21.7

2450 MHz System Verification (100 mW)

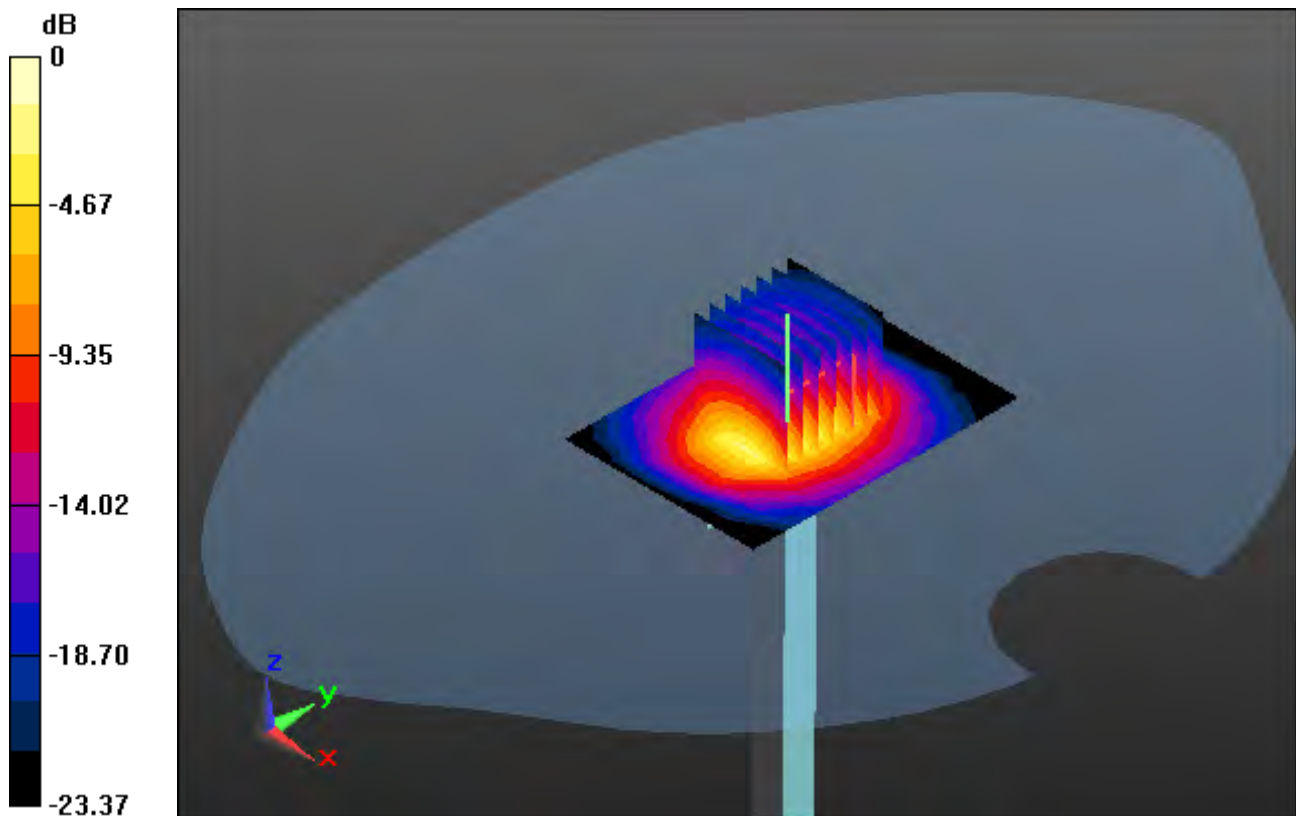
Area Scan (6x8x1): Measurement grid: dx=12mm, dy=12mm

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

Power Drift = 0.07 dB

Peak SAR (extrapolated) = 10.4 W/kg

SAR(1 g) = 4.93 W/kg; SAR(10 g) = 2.29 W/kg



0 dB = 7.56 W/kg

DT&C Co., Ltd.

DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:920

Communication System: UID 0, CW (0); Frequency: 2450 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2450$ MHz; $\sigma = 1.854$ S/m; $\epsilon_r = 38.344$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3916; ConvF(7.66, 7.66, 7.66); Calibrated: 4/25/2019; Electronics: DAE4 Sn1392
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2013_10_08_right; Type: QD000P40CD; Serial: TP:1785
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-08-23; Ambient Temp: 20.9; Tissue Temp: 21.0

2450 MHz System Verification (100 mW)

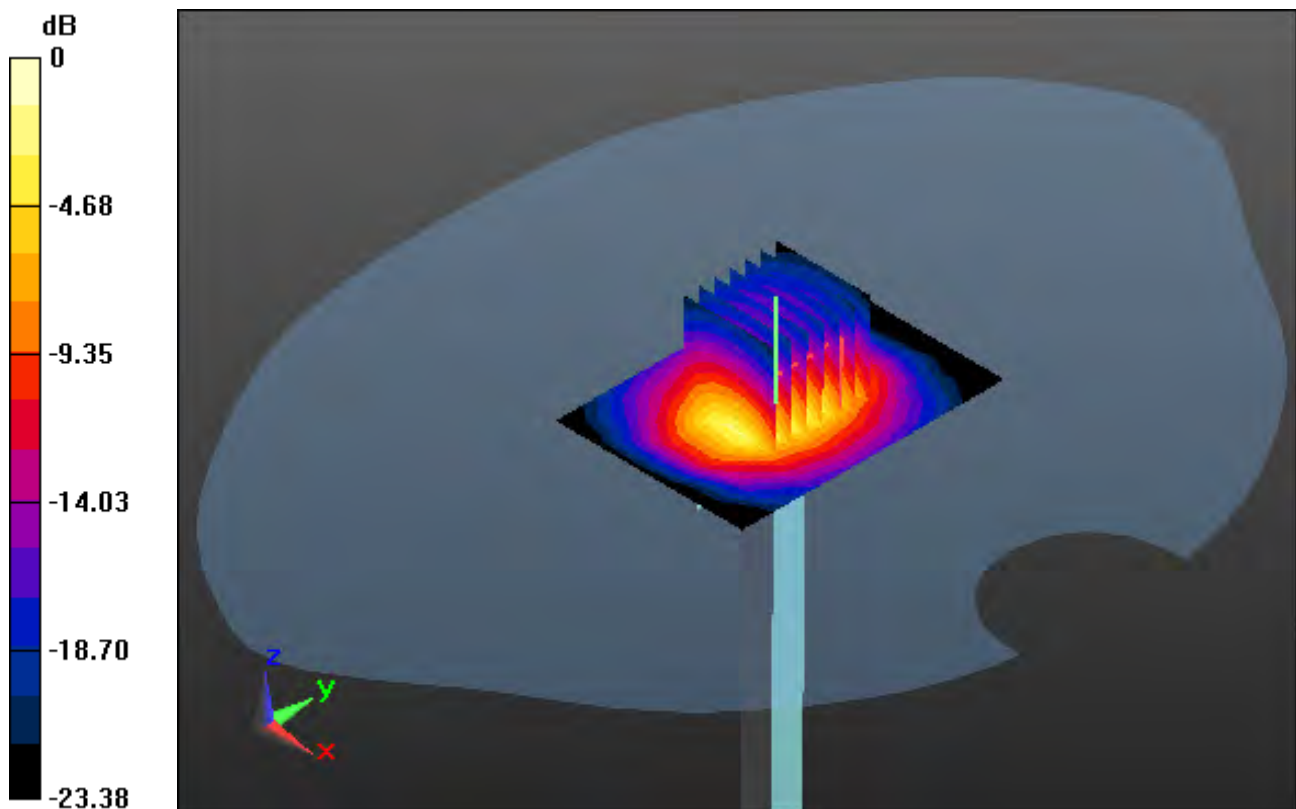
Area Scan (6x8x1): Measurement grid: dx=12mm, dy=12mm

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

Power Drift = -0.03 dB

Peak SAR (extrapolated) = 11.0 W/kg

SAR(1 g) = 5.2 W/kg; SAR(10 g) = 2.37 W/kg



0 dB = 7.98 W/kg

DT&C Co., Ltd.

DUT: Dipole 2600 MHz; Type: D2600V2; Serial: D2600V2 - SN:1016

Communication System: UID 0, CW (0); Frequency: 2600 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2600$ MHz; $\sigma = 1.946$ S/m; $\epsilon_r = 38.419$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN7337; ConvF(7.43, 7.43, 7.43) @ 2600 MHz; Calibrated: 2018-11-22
Electronics: DAE4 Sn1394

Sensor-Surface: 2mm (Mechanical Surface Detection)

Phantom: SAM_Right 20170922; Type: QD000P40CD; Serial: 1895

Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

Test Date: 2019-10-07; Ambient Temp: 21.8; Tissue Temp: 21.6

2600 MHz System Verification (100 mW)

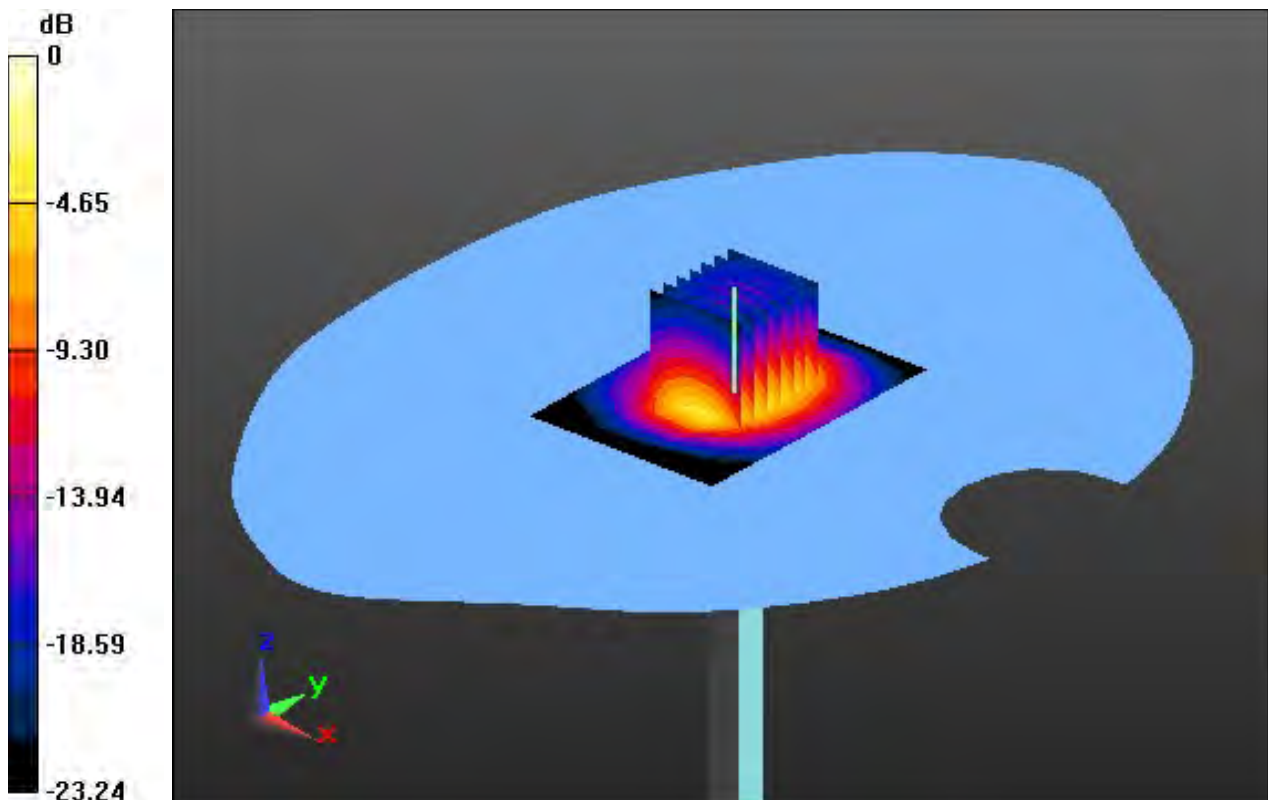
Area Scan (6x8x1): Measurement grid: dx=12mm, dy=12mm

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

Power Drift = 0.00 dB

Peak SAR (extrapolated) = 12.0 W/kg

SAR(1 g) = 5.71 W/kg; SAR(10 g) = 2.63 W/kg



0 dB = 8.74 W/kg

DT&C Co., Ltd.

DUT: Dipole 2600 MHz; Type: D2600V2; Serial: D2600V2 - SN:1016

Communication System: UID 0, CW (0); Frequency: 2600 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2600$ MHz; $\sigma = 1.946$ S/m; $\epsilon_r = 38.614$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN7337; ConvF(7.43, 7.43, 7.43) @ 2600 MHz; Calibrated: 2018-11-22
Electronics: DAE4 Sn1394

Sensor-Surface: 2mm (Mechanical Surface Detection)

Phantom: SAM_Right 20170922; Type: QD000P40CD; Serial: 1895

Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

Test Date: 2019-10-10; Ambient Temp: 21.8; Tissue Temp: 21.7

2600 MHz System Verification (100 mW)

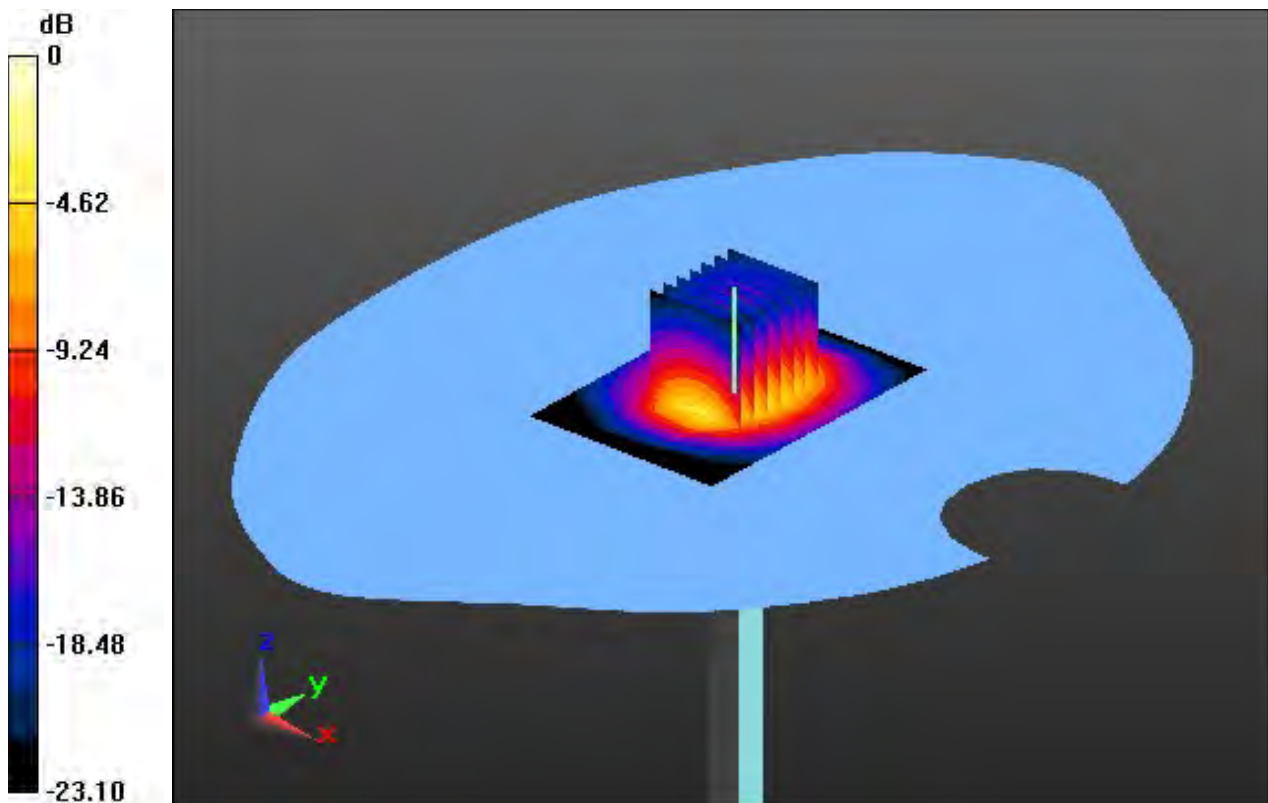
Area Scan (6x8x1): Measurement grid: dx=12mm, dy=12mm

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

Power Drift = 0.06 dB

Peak SAR (extrapolated) = 11.5 W/kg

SAR(1 g) = 5.62 W/kg; SAR(10 g) = 2.57 W/kg



0 dB = 8.55 W/kg

DT&C Co., Ltd.

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

Communication System: UID 0, CW (0); Frequency: 5200 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5200$ MHz; $\sigma = 4.748$ S/m; $\epsilon_r = 34.731$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3916; ConvF(5.14, 5.14, 5.14); Calibrated: 4/25/2019; Electronics: DAE4 Sn1392
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-09-04; Ambient Temp: 20.9; Tissue Temp: 21.4

5200 MHz System Verification (100 mW)

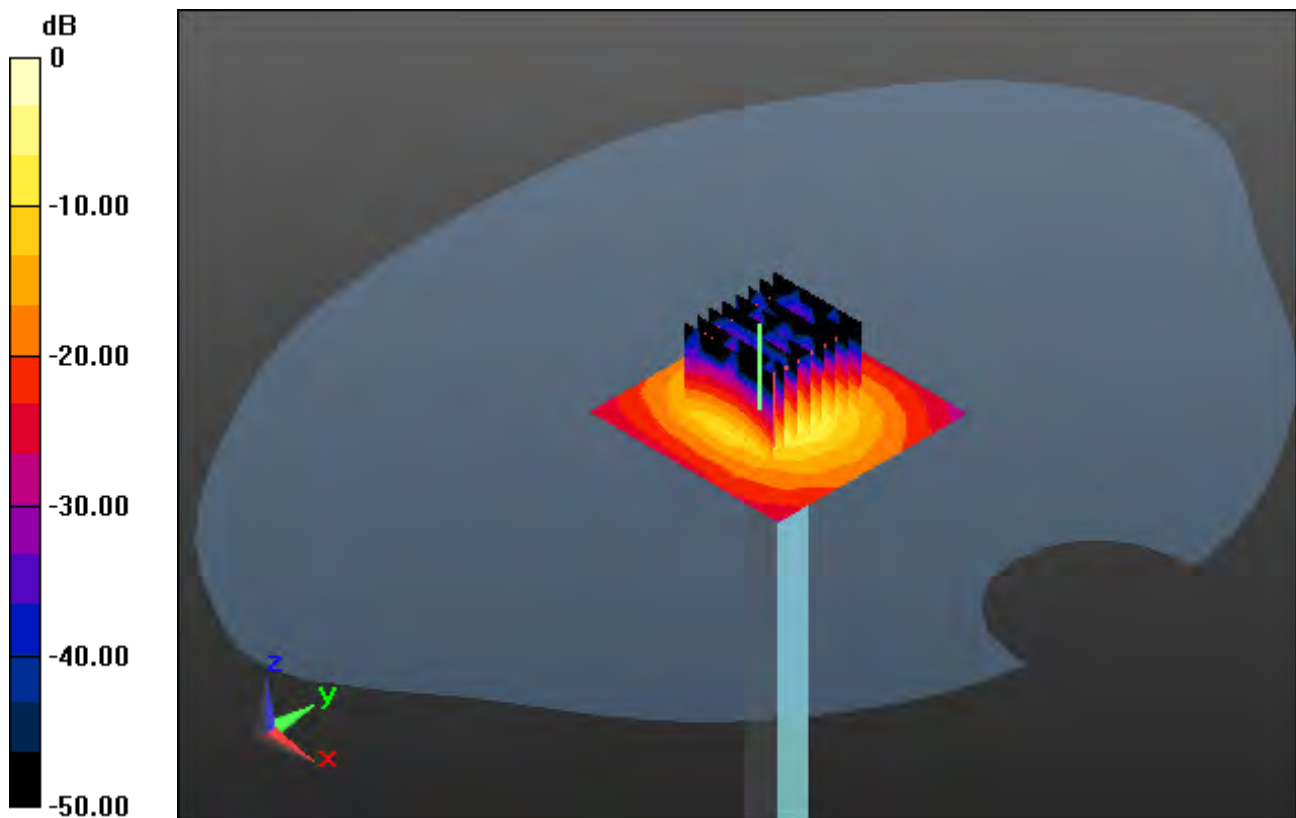
Area Scan (7x7x1): Measurement grid: dx=10mm, dy=10mm

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) = 37.4 W/kg

SAR(1 g) = 7.81 W/kg; SAR(10 g) = 2.21 W/kg



DT&C Co., Ltd.

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

Communication System: UID 0, CW (0); Frequency: 5200 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5300$ MHz; $\sigma = 4.760$ S/m; $\epsilon_r = 36.842$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3916; ConvF(4.94, 4.94, 4.94); Calibrated: 4/25/2019; Electronics: DAE4 Sn1392
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-09-05; Ambient Temp: 21.3; Tissue Temp: 21.6

5300 MHz System Verification (100 mW)

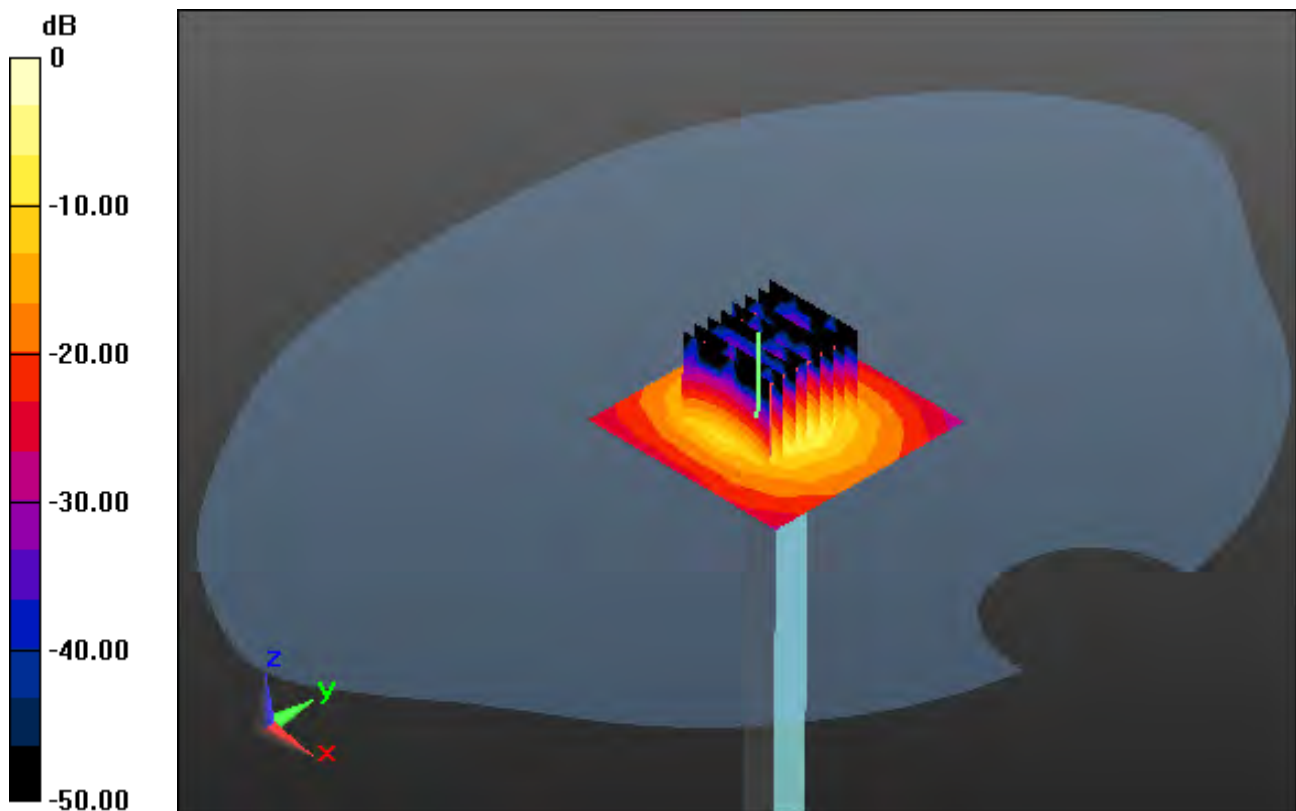
Area Scan (7x7x1): Measurement grid: dx=10mm, dy=10mm

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) = 39.8 W/kg

SAR(1 g) = 7.93 W/kg; SAR(10 g) = 2.28 W/kg



0 dB = 19.7 W/kg

DT&C Co., Ltd.

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

Communication System: UID 0, CW (0); Frequency: 5500 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5500$ MHz; $\sigma = 4.928$ S/m; $\epsilon_r = 35.244$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3916; ConvF(4.89, 4.89, 4.89); Calibrated: 4/25/2019; Electronics: DAE4 Sn1392
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-09-06; Ambient Temp: 20.9; Tissue Temp: 21.5

5500 MHz System Verification (100 mW)

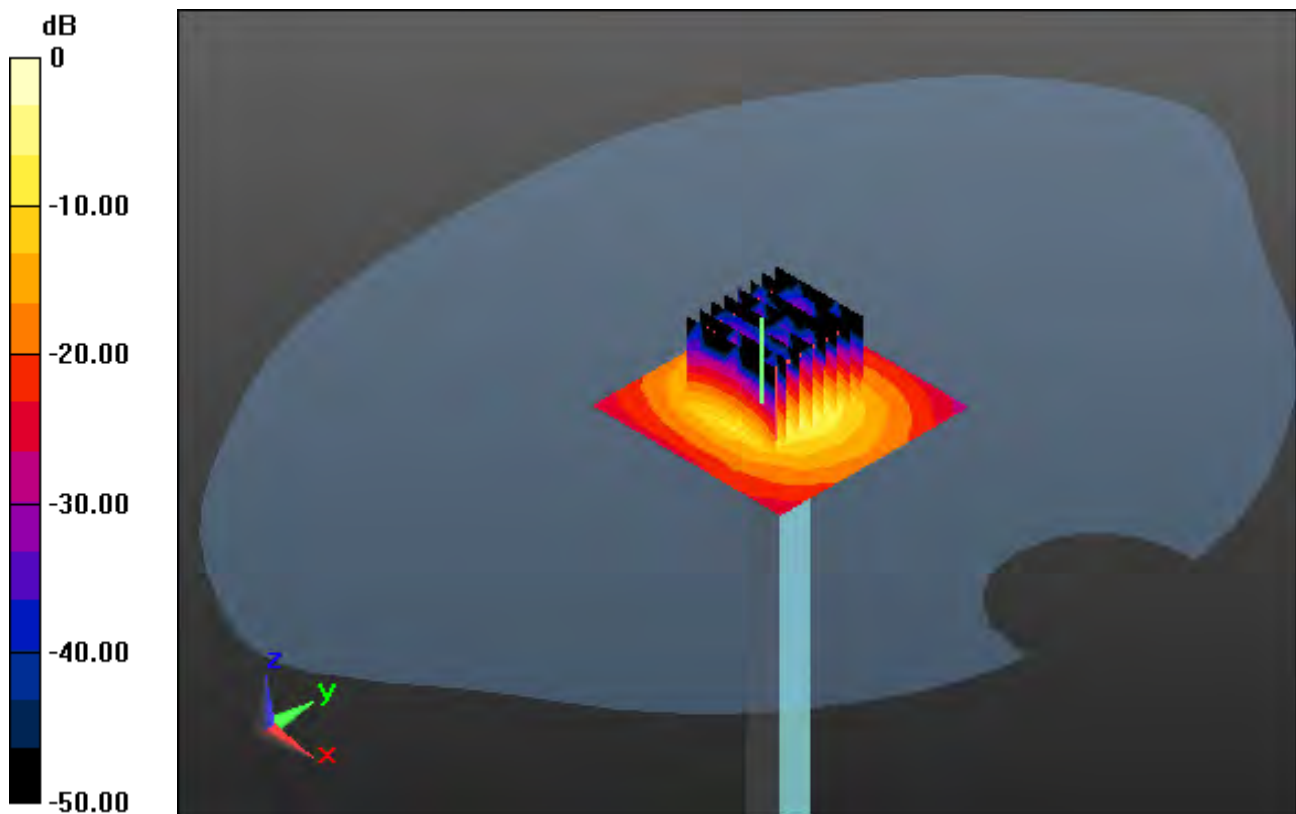
Area Scan (7x7x1): Measurement grid: dx=10mm, dy=10mm

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) = 34.2 W/kg

SAR(1 g) = 8.12 W/kg; SAR(10 g) = 2.29 W/kg



0 dB = 17.2 W/kg

DT&C Co., Ltd.

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

Communication System: UID 0, CW (0); Frequency: 5600 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5600$ MHz; $\sigma = 5.049$ S/m; $\epsilon_r = 35.059$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3916; ConvF(4.75, 4.75, 4.75); Calibrated: 4/25/2019; Electronics: DAE4 Sn1392
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-09-06; Ambient Temp: 20.9; Tissue Temp: 21.5

5600 MHz System Verification (100 mW)

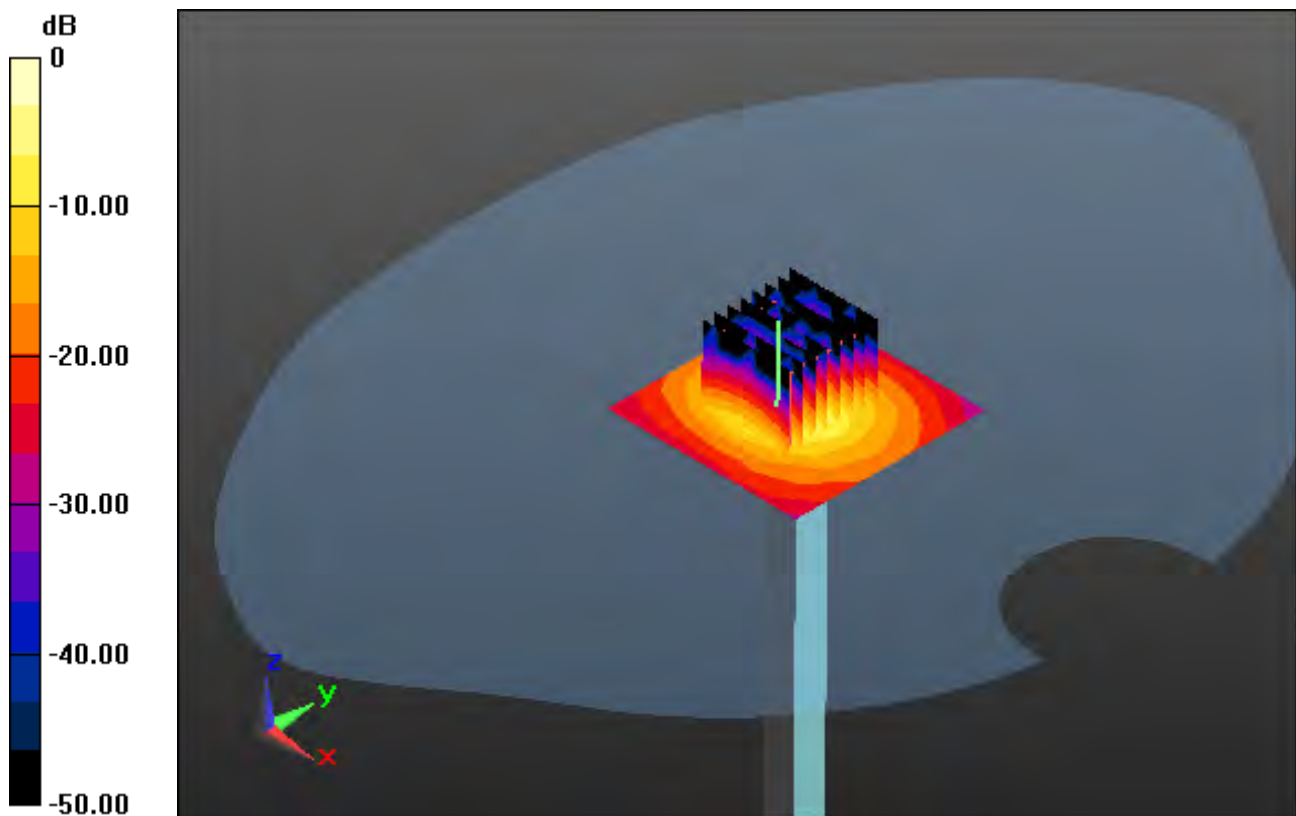
Area Scan (7x7x1): Measurement grid: dx=10mm, dy=10mm

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) = 35.0 W/kg

SAR(1 g) = 8.14 W/kg; SAR(10 g) = 2.3 W/kg



0 dB = 21.2 W/kg

DT&C Co., Ltd.

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

Communication System: UID 0, CW (0); Frequency: 5800 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5800 \text{ MHz}$; $\sigma = 5.204 \text{ S/m}$; $\epsilon_r = 36.44$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3916; ConvF(4.82, 4.82, 4.82); Calibrated: 4/25/2019; Electronics: DAE4 Sn1392
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-09-09; Ambient Temp: 21.8; Tissue Temp: 21.6

5800 MHz System Verification (100 mW)

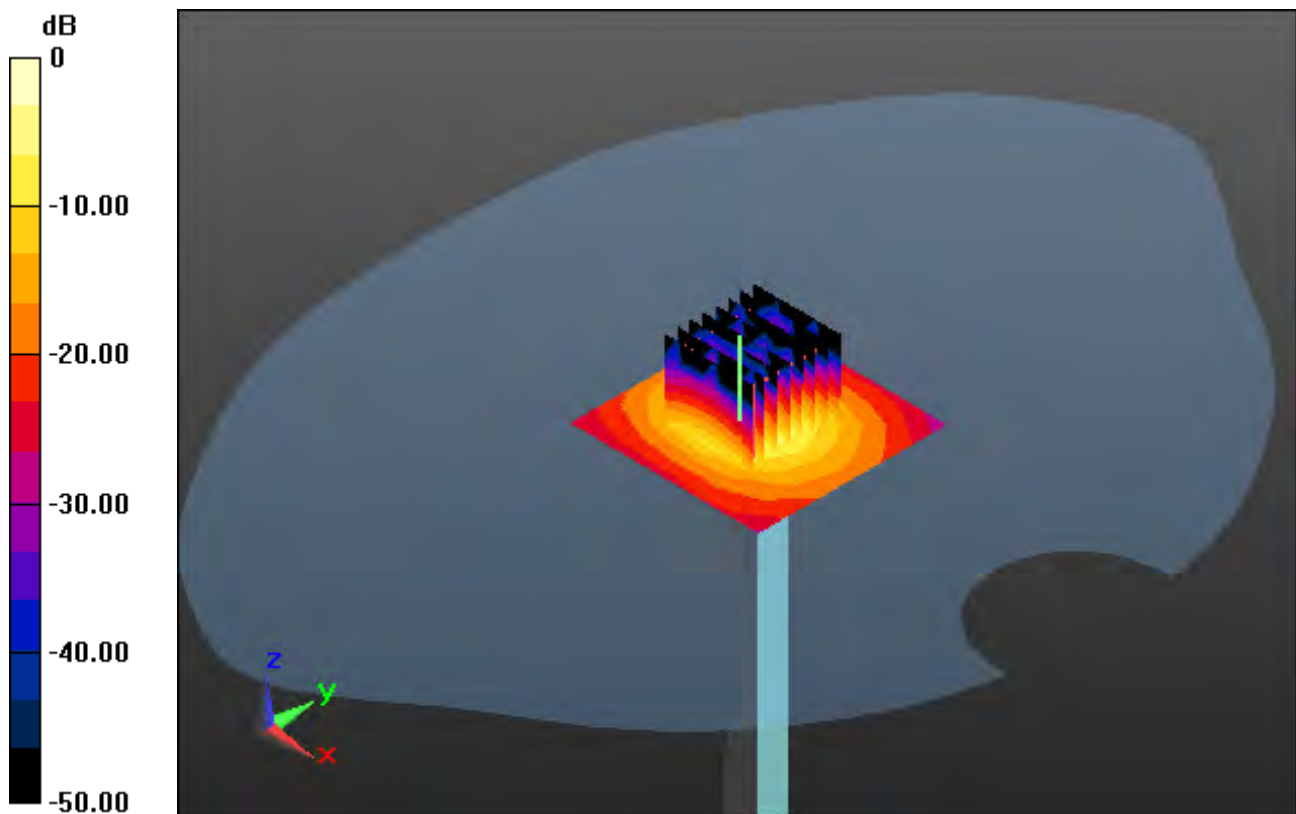
Area Scan (7x7x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

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

Power Drift = 0.08 dB

Peak SAR (extrapolated) = 35.5 W/kg

SAR(1 g) = 8.27 W/kg; SAR(10 g) = 2.33 W/kg



0 dB = 20.0 W/kg

DT&C Co., Ltd.

DUT: PM90G1; Type: PDA

Communication System: UID 0, GSM 850 (0); Frequency: 836.6 MHz; Duty Cycle: 1:8.3

Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.918 \text{ S/m}$; $\epsilon_r = 42.802$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(9.39, 9.39, 9.39); Calibrated: 5/28/2019; Electronics: DAE4 Sn1394

Sensor-Surface: 2mm (Mechanical Surface Detection)

Phantom: SAM-twin middle_2013_09_24; Type: QD000P40CD; Serial: 1782

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

Test Date: 2019-09-02; Ambient Temp: 21.3; Tissue Temp: 21.0

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

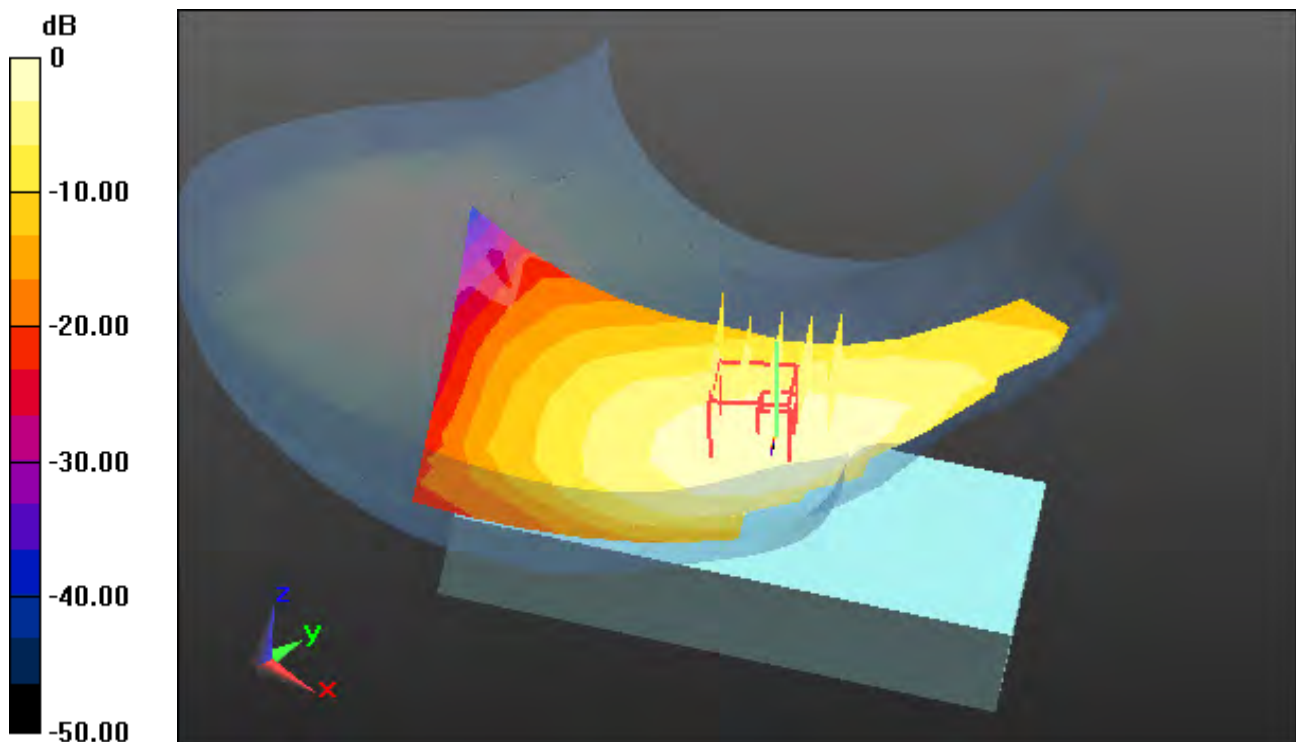
Area Scan (9x14x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.400 W/kg

SAR(1 g) = 0.263 W/kg; SAR(10 g) = 0.181 W/kg



0 dB = 0.323 W/kg

DT&C Co., Ltd.

DUT: PM90G1; Type: PDA

Communication System: UID 0, GSM 850_2 Tx (0); Frequency: 836.6 MHz; Duty Cycle: 1:4.15

Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.918 \text{ S/m}$; $\epsilon_r = 42.802$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(9.39, 9.39, 9.39); Calibrated: 5/28/2019; Electronics: DAE4 Sn1394

Sensor-Surface: 2mm (Mechanical Surface Detection)

Phantom: SAM-twin middle_2013_09_24; Type: QD000P40CD; Serial: 1782

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

Test Date: 2019-09-02; Ambient Temp: 21.3; Tissue Temp: 21.0

Right Touch, GSM850 GPRS 2Tx Ch. 190, Ant Internal, Standard Battery

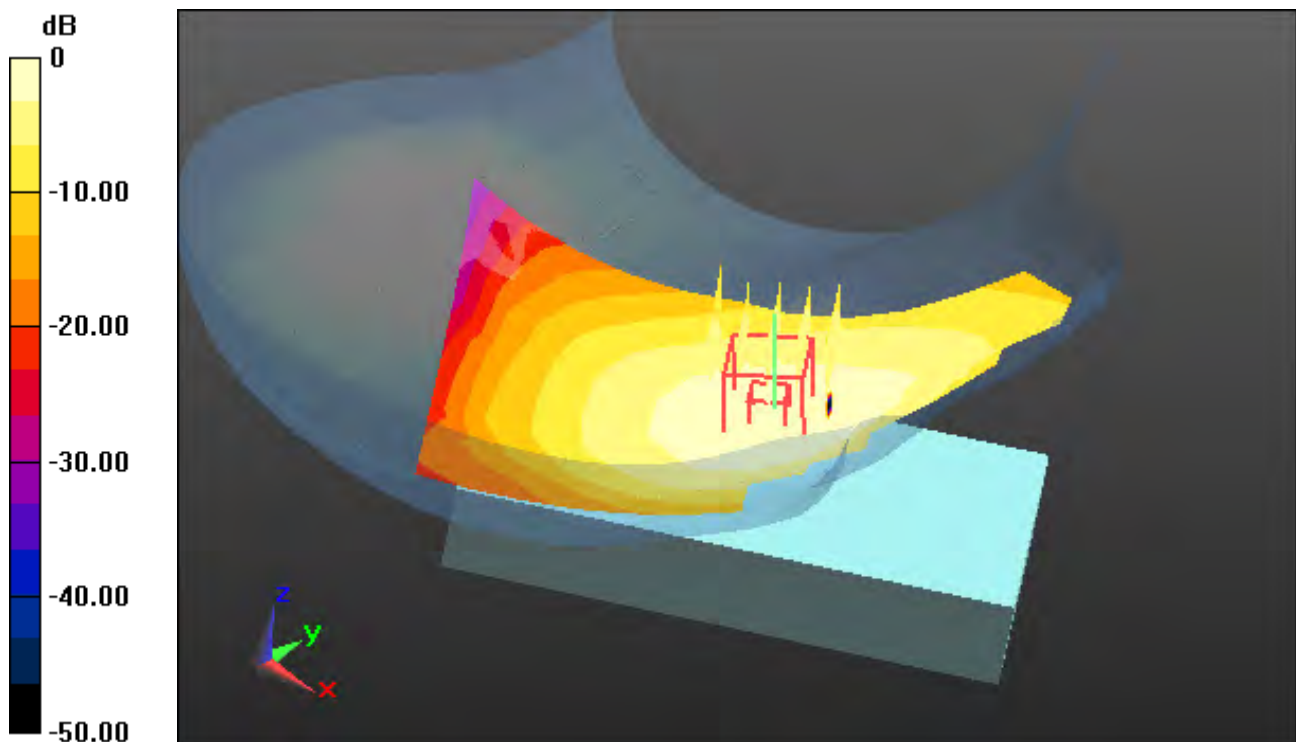
Area Scan (9x14x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.542 W/kg

SAR(1 g) = 0.343 W/kg; SAR(10 g) = 0.256 W/kg



0 dB = 0.394 W/kg

DT&C Co., Ltd.

DUT: PM90G1; Type: PDA

Communication System: UID 0, PCS 1900 (0); Frequency: 1880 MHz; Duty Cycle: 1:8.3

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.396$ S/m; $\epsilon_r = 39.352$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN7337; ConvF(8.49, 8.49, 8.49) @ 1880 MHz; Calibrated: 2018-11-22;

Electronics: DAE4 Sn1394

Sensor-Surface: 2mm (Mechanical Surface Detection)

Phantom: SAM_Right_20170922; Type: QD000P40CD; Serial: 1895

Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

Test Date: 2019-10-01; Ambient Temp: 21.3; Tissue Temp: 21.2

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

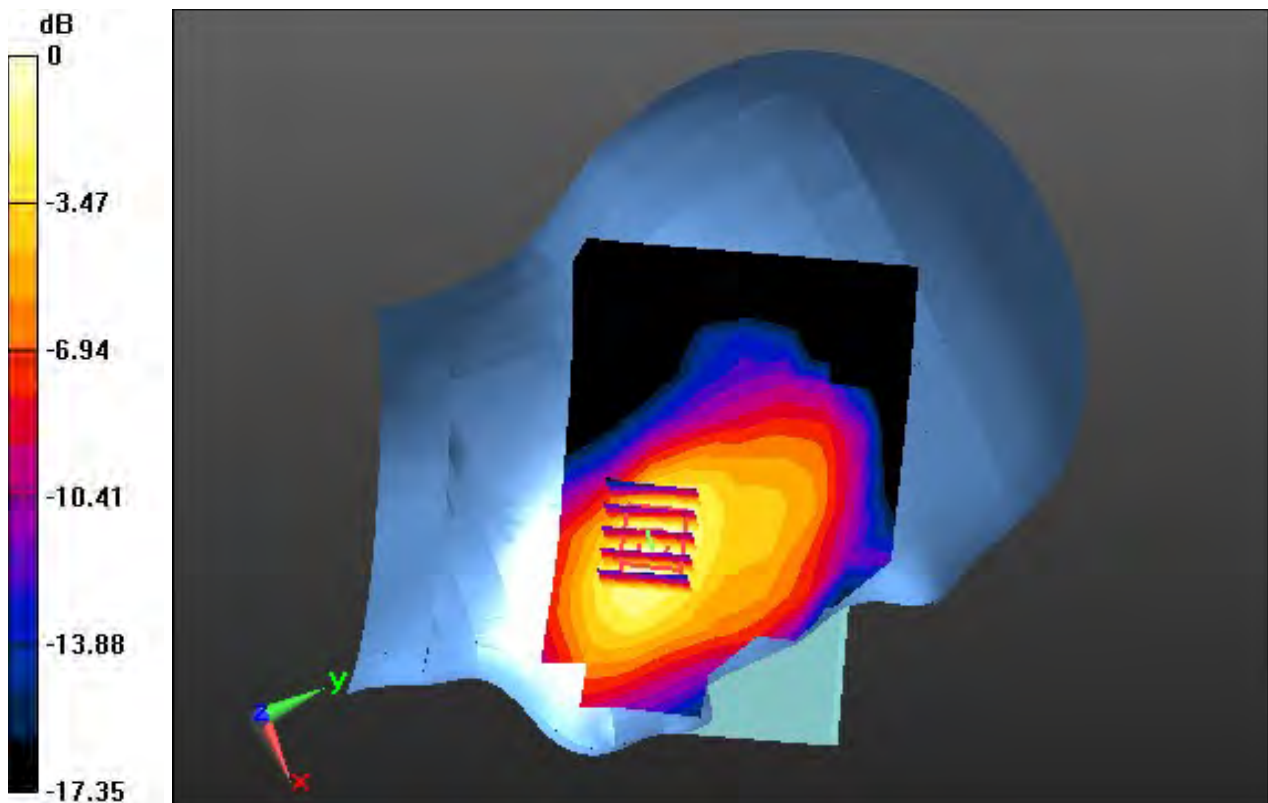
Area Scan (9x14x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.386 W/kg

SAR(1 g) = 0.246 W/kg; SAR(10 g) = 0.151 W/kg



DT&C Co., Ltd.

DUT: PM90G1; Type: PDA

Communication System: UID 0, PCS 1900 2 Tx (0); Frequency: 1880 MHz; Duty Cycle: 1:4.15

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.396$ S/m; $\epsilon_r = 39.352$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN7337; ConvF(8.49, 8.49, 8.49) @ 1880 MHz; Calibrated: 2018-11-22;

Electronics: DAE4 Sn1394

Sensor-Surface: 2mm (Mechanical Surface Detection)

Phantom: SAM_Right_20170922; Type: QD000P40CD; Serial: 1895

Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

Test Date: 2019-10-01; Ambient Temp: 21.3; Tissue Temp: 21.2

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

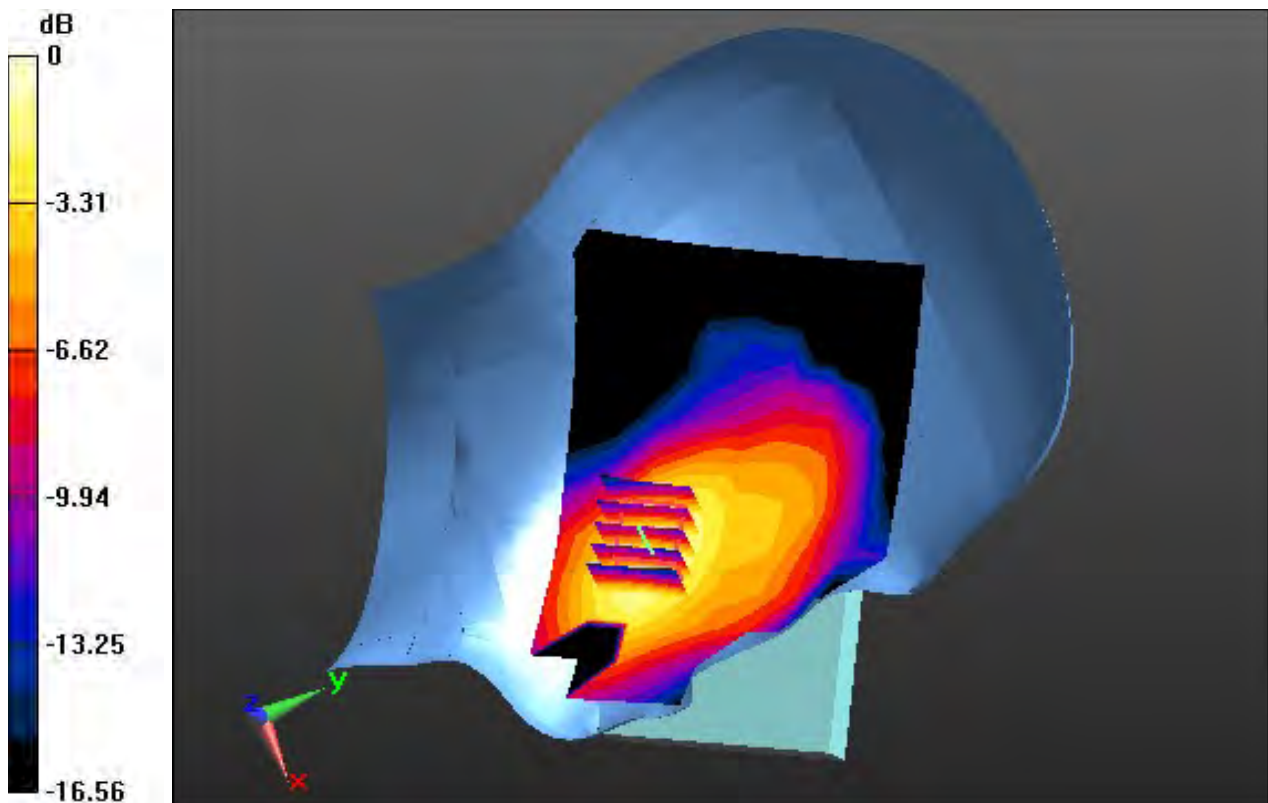
Area Scan (9x14x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

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

Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.477 W/kg

SAR(1 g) = 0.306 W/kg; SAR(10 g) = 0.188 W/kg



0 dB = 0.400 W/kg

DT&C Co., Ltd.

DUT: PM90G1; Type: PDA

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

Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.894 \text{ S/m}$; $\epsilon_r = 41.508$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(9.39, 9.39, 9.39); Calibrated: 5/28/2019; Electronics: DAE4 Sn1394

Sensor-Surface: 2mm (Mechanical Surface Detection)

Phantom: SAM-twin middle_2013_09_24; Type: QD000P40CD; Serial: 1782

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

Test Date: 2019-09-03; Ambient Temp: 21.1; Tissue Temp: 21.3

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

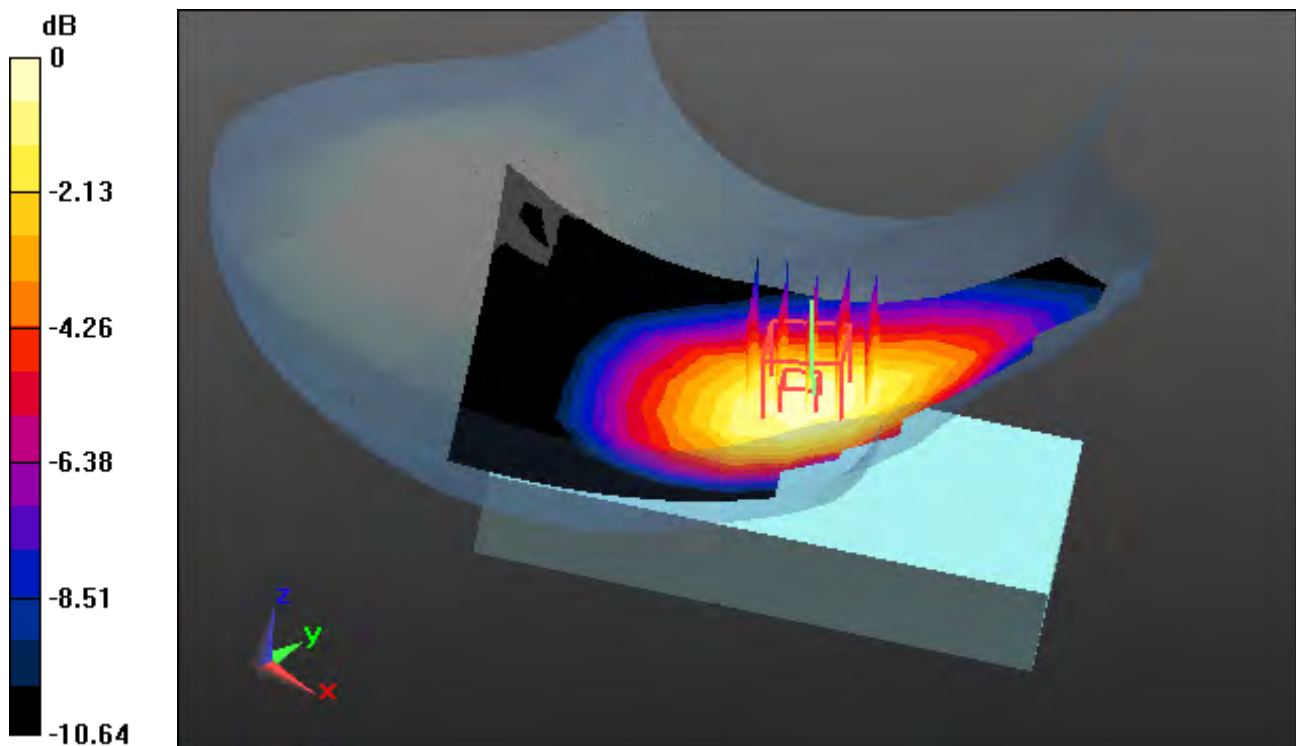
Area Scan (9x14x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.442 W/kg

SAR(1 g) = 0.344 W/kg ; SAR(10 g) = 0.257 W/kg



0 dB = 0.392 W/kg

DT&C Co., Ltd.

DUT: PM90G1; Type: PDA

Communication System: UID 0, WCDMA (0); Frequency: 1732.4 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1732.4$ MHz; $\sigma = 1.352$ S/m; $\epsilon_r = 39.912$; $\rho = 1000$ kg/m³
Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN7337; ConvF(8.96, 8.96, 8.96) @ 1732.4 MHz; Calibrated: 2018-11-22;
Electronics: DAE4 Sn1394

Sensor-Surface: 2mm (Mechanical Surface Detection)

Phantom: SAM_Right_20170922; Type: QD000P40CD; Serial: 1895

Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

Test Date: 2019-10-02; Ambient Temp: 21.7; Tissue Temp: 21.5

Left Touch, WCDMA Band 4 Ch. 1412, Ant Internal, Standard Battery

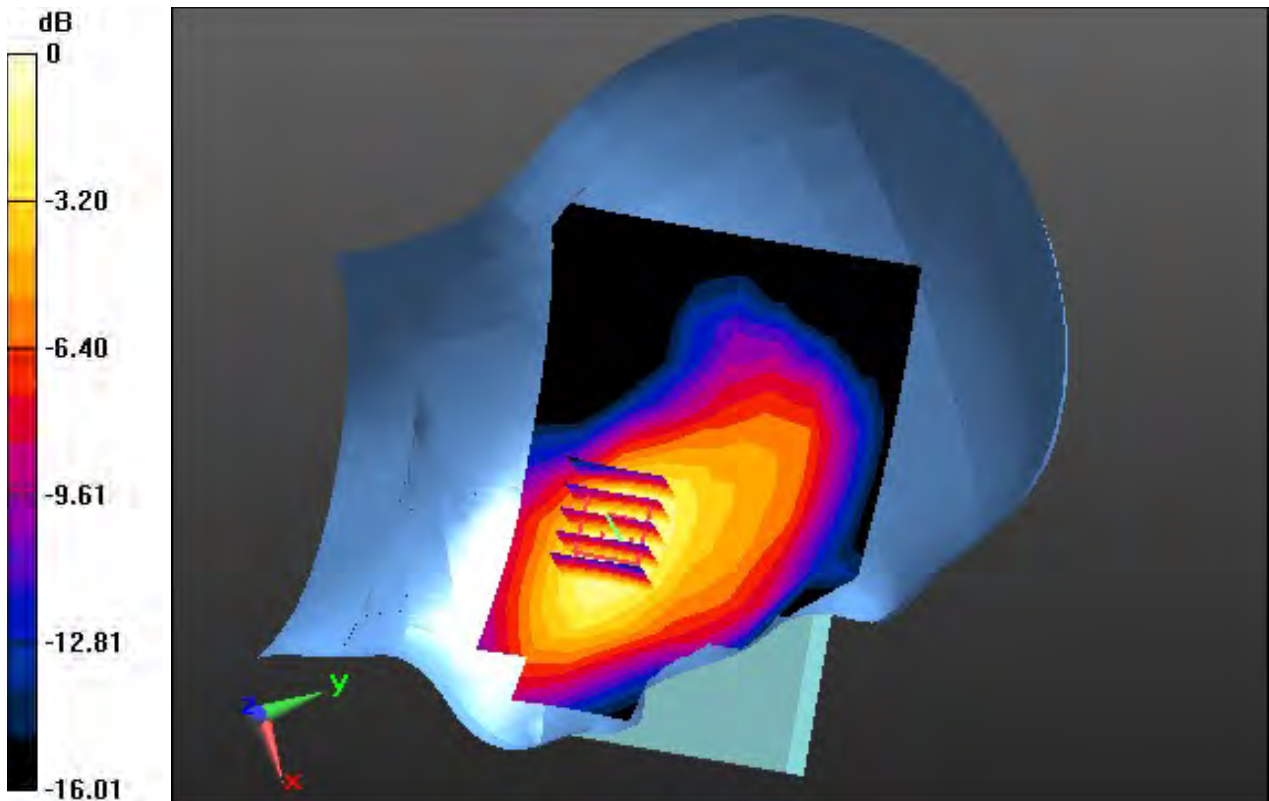
Area Scan (9x14x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.827 W/kg

SAR(1 g) = 0.557 W/kg; SAR(10 g) = 0.359 W/kg



0 dB = 0.705 W/kg

DT&C Co., Ltd.

DUT: PM90; Type: PDA

Communication System: UID 0, WCDMA (0); Frequency: 1880 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1880$ MHz; $\sigma = 1.396$ S/m; $\epsilon_r = 39.352$; $\rho = 1000$ kg/m³
Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN7337; ConvF(8.49, 8.49, 8.49) @ 1880 MHz; Calibrated: 2018-11-22;
Electronics: DAE4 Sn1394

Sensor-Surface: 2mm (Mechanical Surface Detection)

Phantom: SAM_Right_20170922; Type: QD000P40CD; Serial: 1895

Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

Test Date: 2019-10-01; Ambient Temp: 21.3; Tissue Temp: 21.2

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

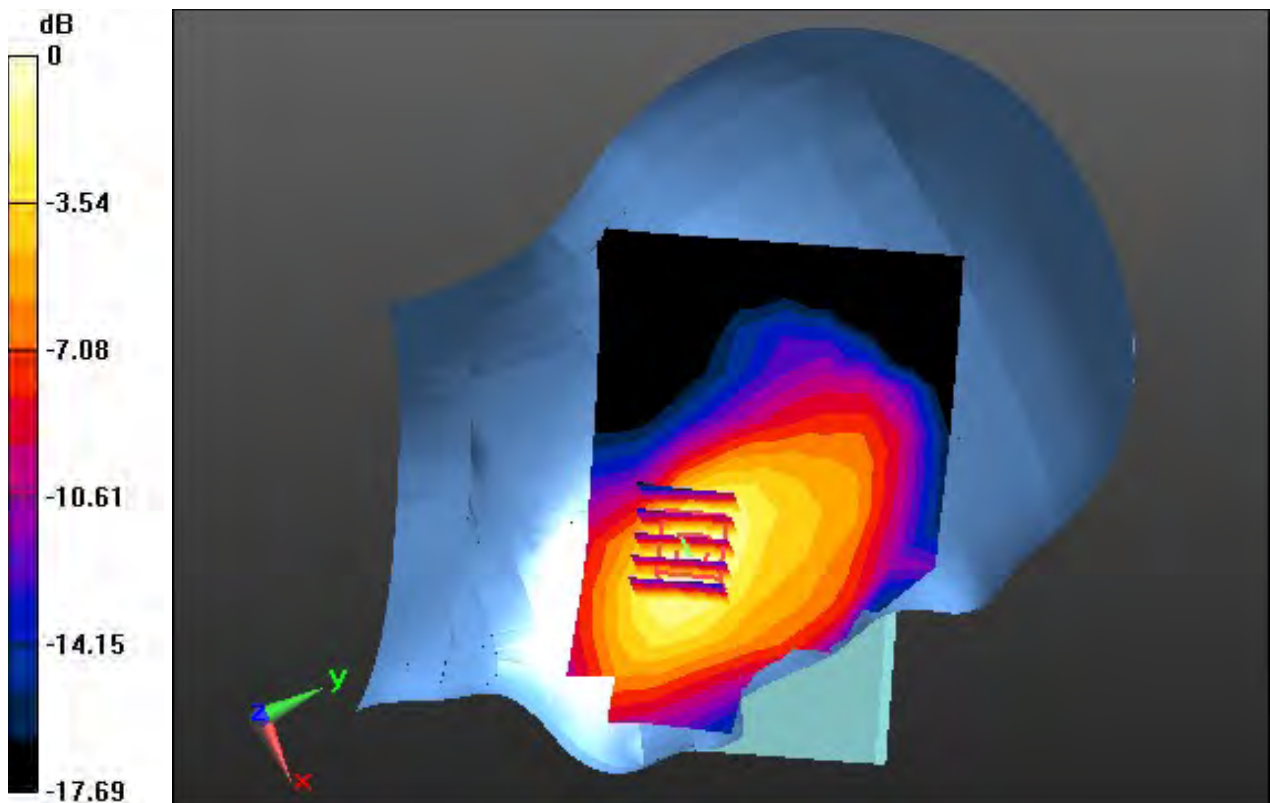
Area Scan (9x14x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

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

Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.720 W/kg

SAR(1 g) = 0.461 W/kg; SAR(10 g) = 0.285 W/kg



0 dB = 0.598 W/kg

DT&C Co., Ltd.

DUT: PM90G1; Type: PDA

Communication System: UID 0, LTE Band 12 (FCC) (0); Frequency: 707.5 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 707.5 \text{ MHz}$; $\sigma = 0.892 \text{ S/m}$; $\epsilon_r = 41.371$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(9.85, 9.85, 9.85); Calibrated: 5/28/2019; Electronics: DAE4 Sn1394

Sensor-Surface: 2mm (Mechanical Surface Detection)

Phantom: SAM-twin middle_2013_09_24; Type: QD000P40CD; Serial: 1782

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

Test Date: 2019-09-04; Ambient Temp: 21.2; Tissue Temp: 21.4

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

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

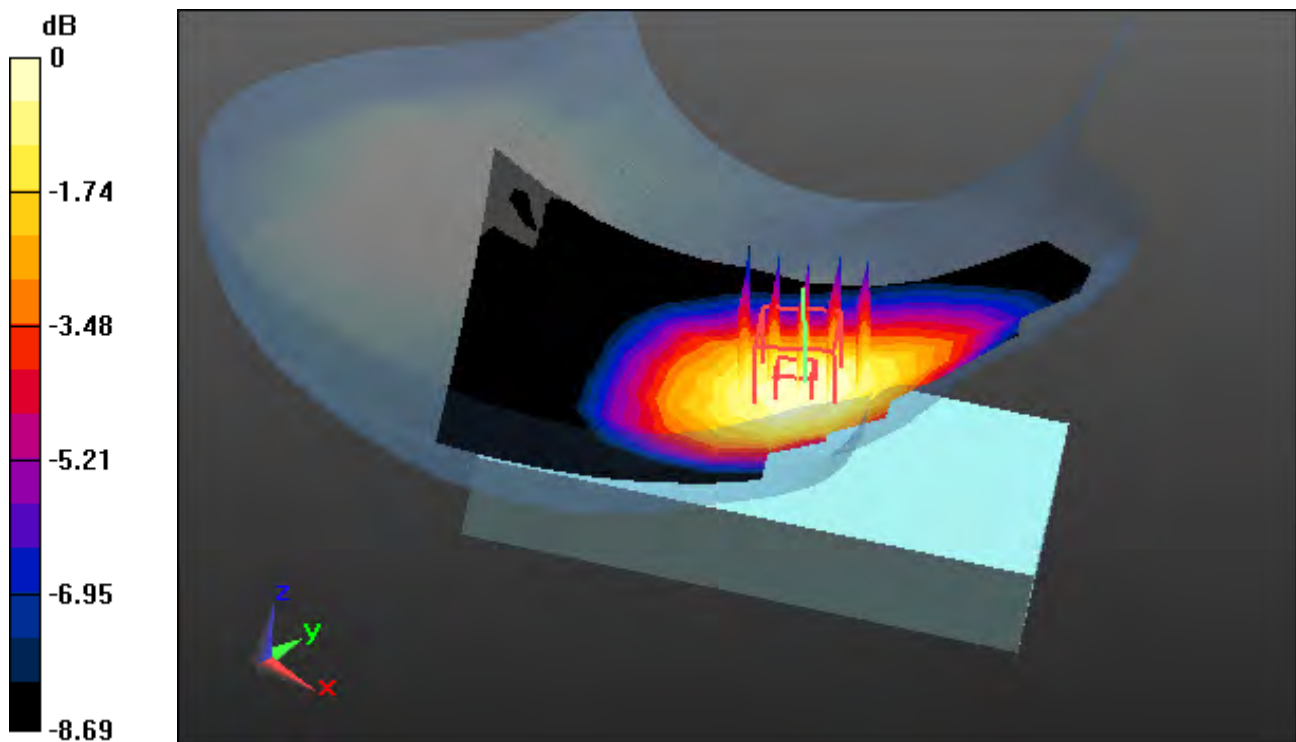
Area Scan (9x14x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.213 W/kg

SAR(1 g) = 0.177 W/kg; SAR(10 g) = 0.141 W/kg



0 dB = 0.195 W/kg

DT&C Co., Ltd.

DUT: PM90G1; Type: PDA

Communication System: UID 0, LTE Band 13 (0); Frequency: 782 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 782 \text{ MHz}$; $\sigma = 0.942 \text{ S/m}$; $\epsilon_r = 41.213$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(9.85, 9.85, 9.85); Calibrated: 5/28/2019; Electronics: DAE4 Sn1394

Sensor-Surface: 2mm (Mechanical Surface Detection)

Phantom: SAM-twin middle_2013_09_24; Type: QD000P40CD; Serial: 1782

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

Test Date: 2019-09-06; Ambient Temp: 21.0; Tissue Temp: 20.4

Right Touch, LTE Band 13 Ch. 23230, Ant Internal, Standard Battery

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

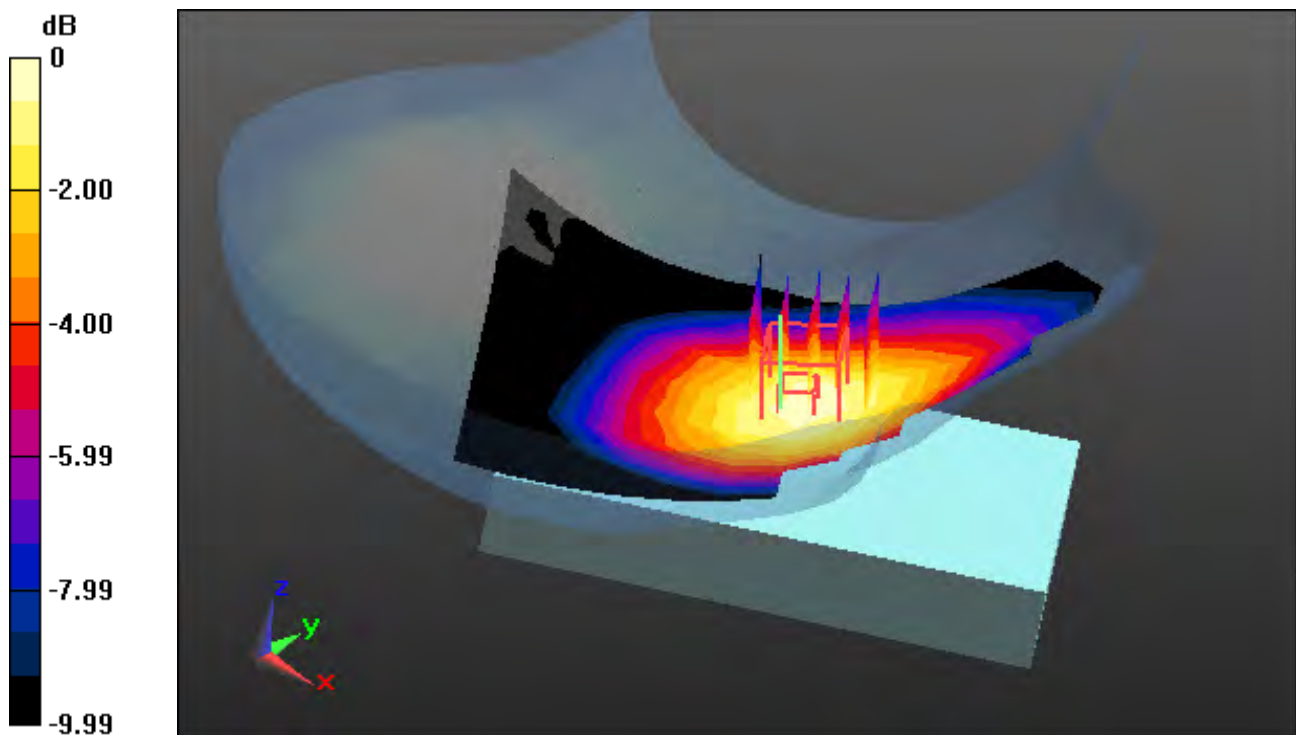
Area Scan (9x14x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.320 W/kg

SAR(1 g) = 0.258 W/kg; SAR(10 g) = 0.198 W/kg



0 dB = 0.292 W/kg

DT&C Co., Ltd.

DUT: PM90G1; Type: PDA

Communication System: UID 0, LTE Band 14 (0); Frequency: 793 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 793 \text{ MHz}$; $\sigma = 0.934 \text{ S/m}$; $\epsilon_r = 42.118$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(9.85, 9.85, 9.85); Calibrated: 5/28/2019; Electronics: DAE4 Sn1394

Sensor-Surface: 2mm (Mechanical Surface Detection)

Phantom: SAM-twin middle_2013_09_24; Type: QD000P40CD; Serial: 1782

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

Test Date: 2019-09-09; Ambient Temp: 21.3; Tissue Temp: 21.4

Right Touch, LTE Band 14 Ch. 23330, Ant Internal, Standard Battery

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

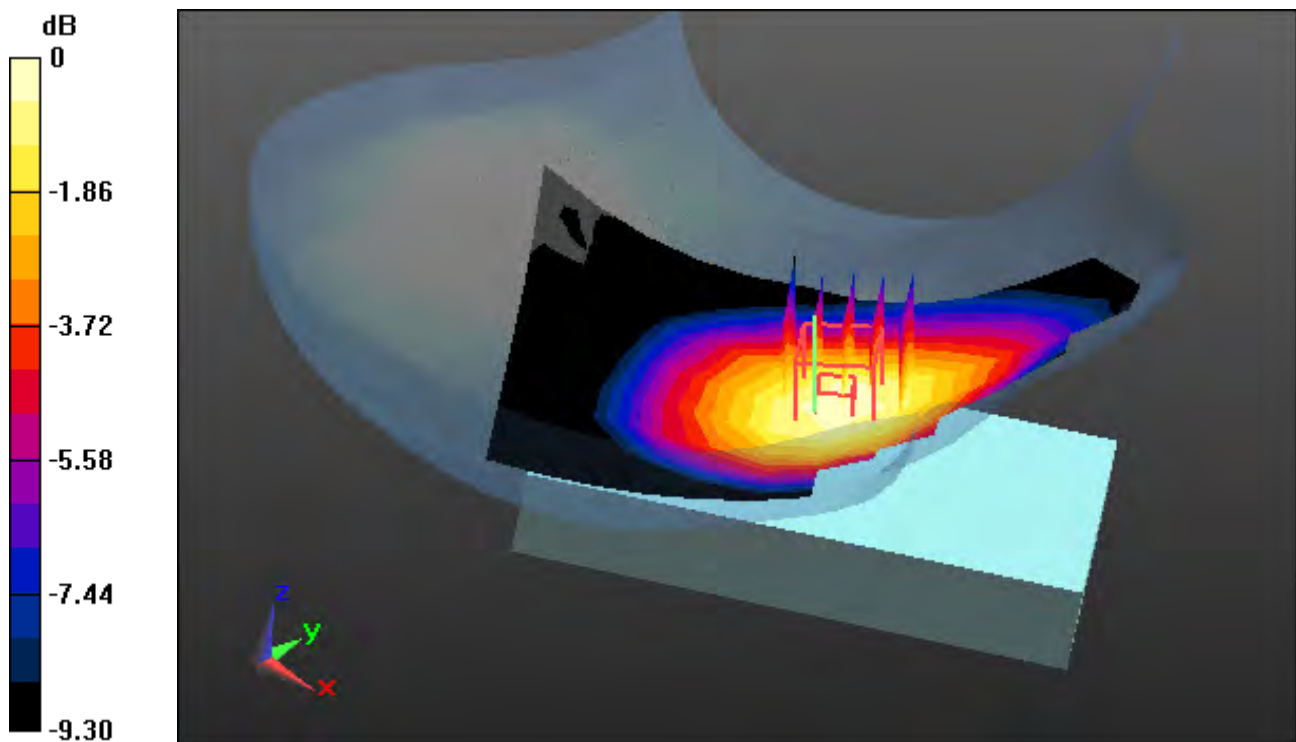
Area Scan (9x14x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.346 W/kg

SAR(1 g) = 0.281 W/kg; SAR(10 g) = 0.217 W/kg



0 dB = 0.314 W/kg

DT&C Co., Ltd.

DUT: PM90G1; Type: PDA

Communication System: UID 0, LTE BAND 26 (0); Frequency: 831.5 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 831.5 \text{ MHz}$; $\sigma = 0.876 \text{ S/m}$; $\epsilon_r = 40.774$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(9.39, 9.39, 9.39); Calibrated: 5/28/2019; Electronics: DAE4 Sn1394

Sensor-Surface: 2mm (Mechanical Surface Detection)

Phantom: SAM-twin middle_2013_09_24; Type: QD000P40CD; Serial: 1782

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

Test Date: 2019-09-05; Ambient Temp: 21.4; Tissue Temp: 21.3

Right Touch, LTE Band 26 Ch. 26865, Ant Internal, Standard Battery

Mode : BandWidth 15 MHz, QPSK, RB Size: 1

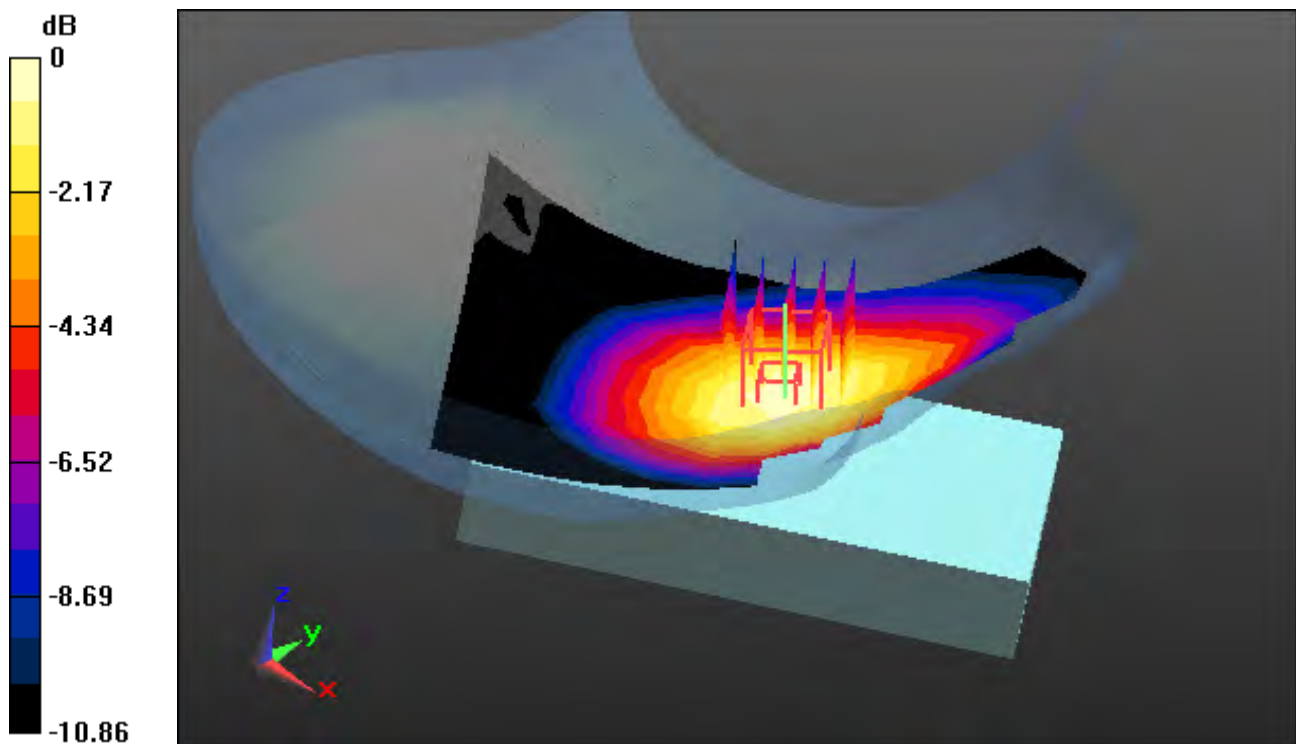
Area Scan (9x14x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.429 W/kg

SAR(1 g) = 0.337 W/kg; SAR(10 g) = 0.250 W/kg



0 dB = 0.386 W/kg

DT&C Co., Ltd.

DUT: PM90G1; Type: PDA

Communication System: UID 0, LTE Band 4 (0); Frequency: 1732.5 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.352$ S/m; $\epsilon_r = 39.912$; $\rho = 1000$ kg/m³
Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN7337; ConvF(8.96, 8.96, 8.96) @ 1732.5 MHz; Calibrated: 2018-11-22
Electronics: DAE4 Sn1394

Sensor-Surface: 2mm (Mechanical Surface Detection)

Phantom: SAM_Right_20170922; Type: QD000P40CD; Serial: 1895

Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

Test Date: 2019-10-02; Ambient Temp: 21.7; Tissue Temp: 21.5

Left Touch, LTE Band 4 Ch. 20175, Ant Internal, Standard Battery

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

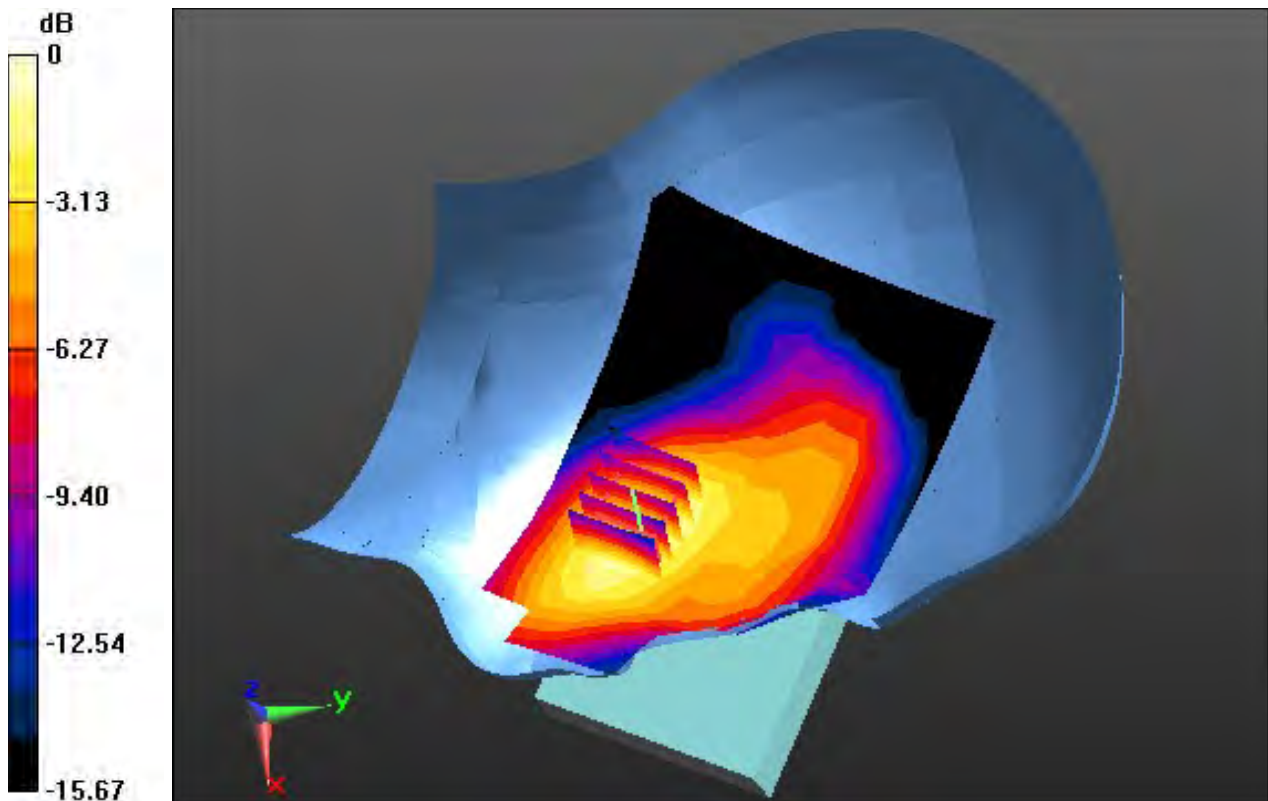
Area Scan (9x14x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.524 W/kg

SAR(1 g) = 0.354 W/kg; SAR(10 g) = 0.230 W/kg



DT&C Co., Ltd.

DUT: PM90G1; Type: PDA

Communication System: UID 0, LTE Band 25 (0); Frequency: 1860 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1860$ MHz; $\sigma = 1.366$ S/m; $\epsilon_r = 40.201$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN7337; ConvF(8.49, 8.49, 8.49) @ 1860 MHz; Calibrated: 2018-11-22

Electronics: DAE4 Sn1394

Sensor-Surface: 2mm (Mechanical Surface Detection)

Phantom: SAM_Right_20170922; Type: QD000P40CD; Serial: 1895

Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

Test Date: 2019-10-04; Ambient Temp: 21.8; Tissue Temp: 21.6

Left Touch, LTE Band 25 Ch. 26140, Ant Internal, Standard Battery

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

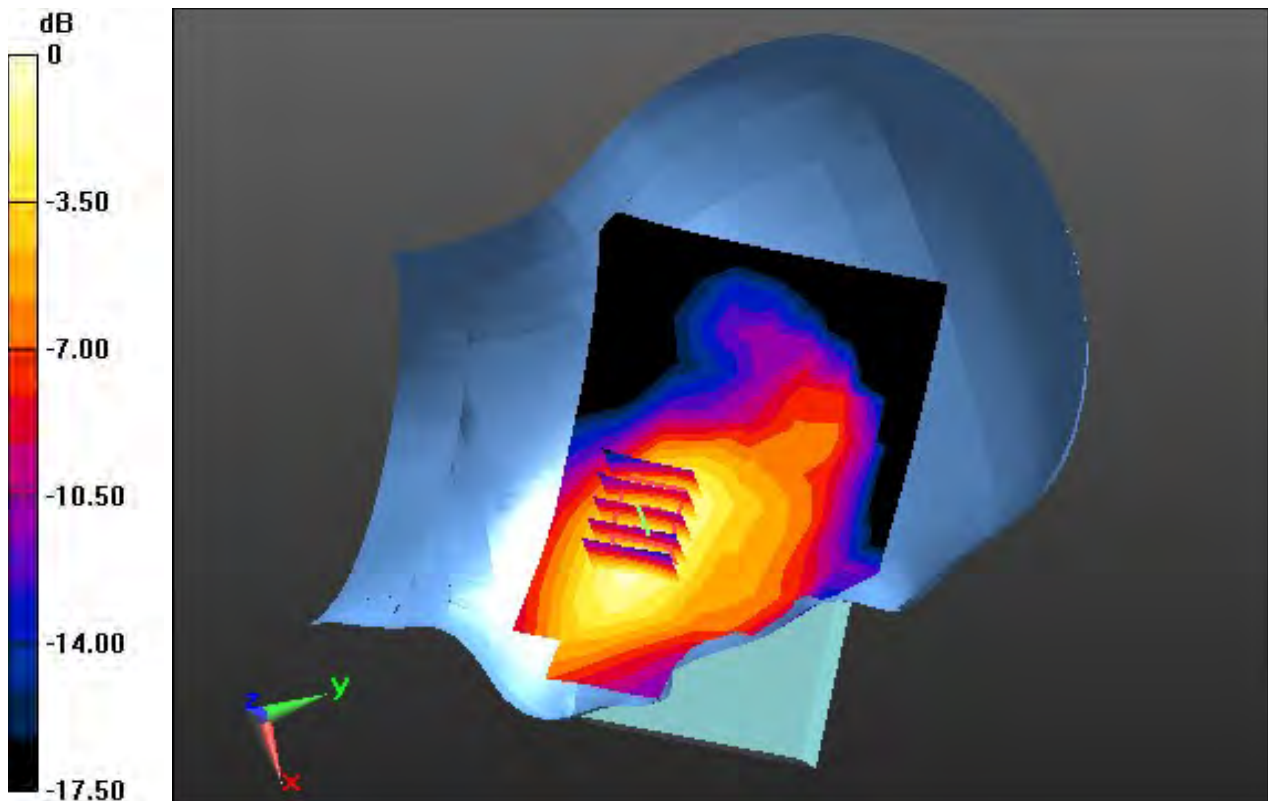
Area Scan (9x14x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.484 W/kg

SAR(1 g) = 0.316 W/kg; SAR(10 g) = 0.201 W/kg



0 dB = 0.406 W/kg

DT&C Co., Ltd.

DUT: PM90G1; Type: PDA

Communication System: UID 0, LTE Band 7 (0); Frequency: 2560 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2560$ MHz; $\sigma = 1.904$ S/m; $\epsilon_r = 38.541$; $\rho = 1000$ kg/m³
Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN7337; ConvF(7.43, 7.43, 7.43) @ 2560 MHz; Calibrated: 2018-11-22
Electronics: DAE4 Sn1394

Sensor-Surface: 2mm (Mechanical Surface Detection)

Phantom: SAM_Right_20170922; Type: QD000P40CD; Serial: 1895

Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

Test Date: 2019-10-07; Ambient Temp: 21.8; Tissue Temp: 21.6

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

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

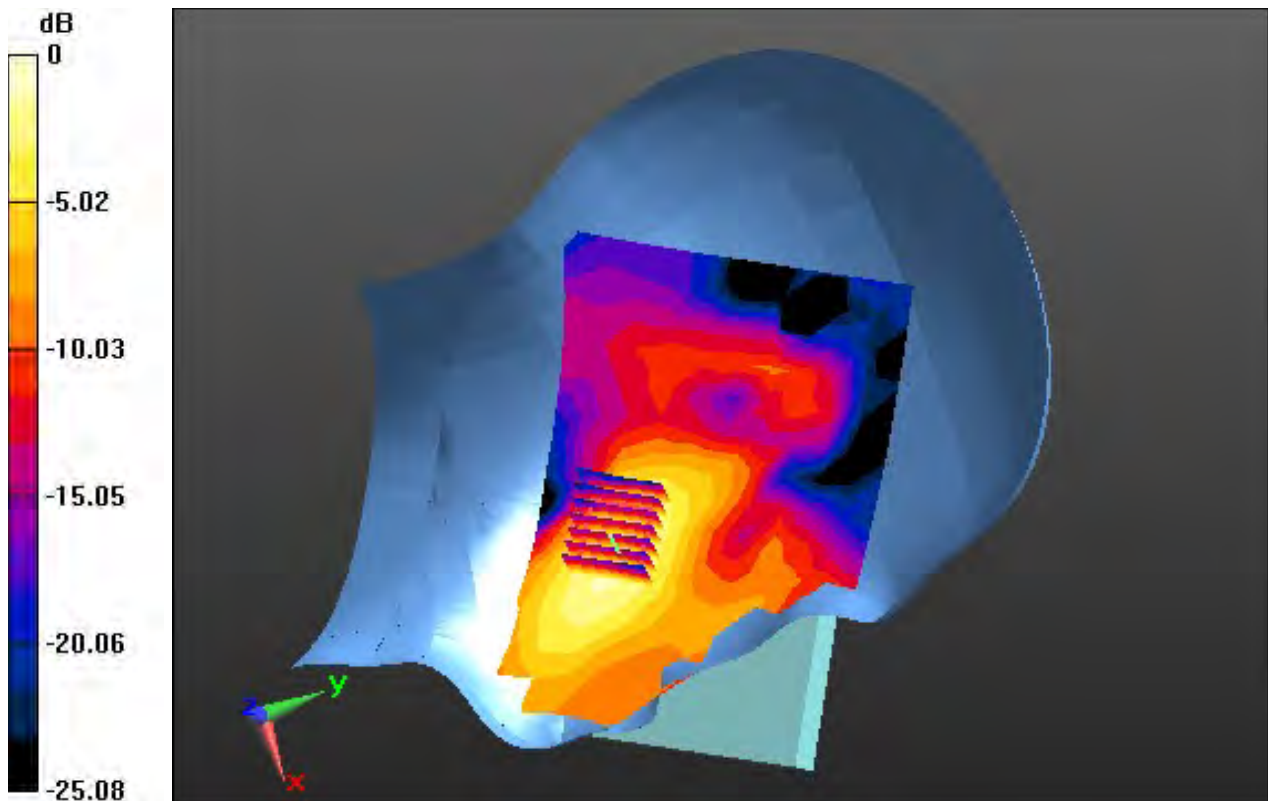
Area Scan (11x17x1): Measurement grid: dx=12mm, dy=12mm

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

Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.206 W/kg

SAR(1 g) = 0.108 W/kg; SAR(10 g) = 0.056 W/kg



0 dB = 0.156 W/kg

DT&C Co., Ltd.

DUT: PM90G1; Type: PDA

Communication System: UID 0, LTE Band 41(TDD) (0); Frequency: 2593 MHz; Duty Cycle: 1:1.58

Medium parameters used: $f = 2593$ MHz; $\sigma = 1.938$ S/m; $\epsilon_r = 38.444$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN7337; ConvF(7.43, 7.43, 7.43) @ 2593 MHz; Calibrated: 2018-11-22

Electronics: DAE4 Sn1394

Sensor-Surface: 2mm (Mechanical Surface Detection)

Phantom: SAM_Right_20170922; Type: QD000P40CD; Serial: 1895

Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

Test Date: 2019-10-07; Ambient Temp: 21.8; Tissue Temp: 21.6

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

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

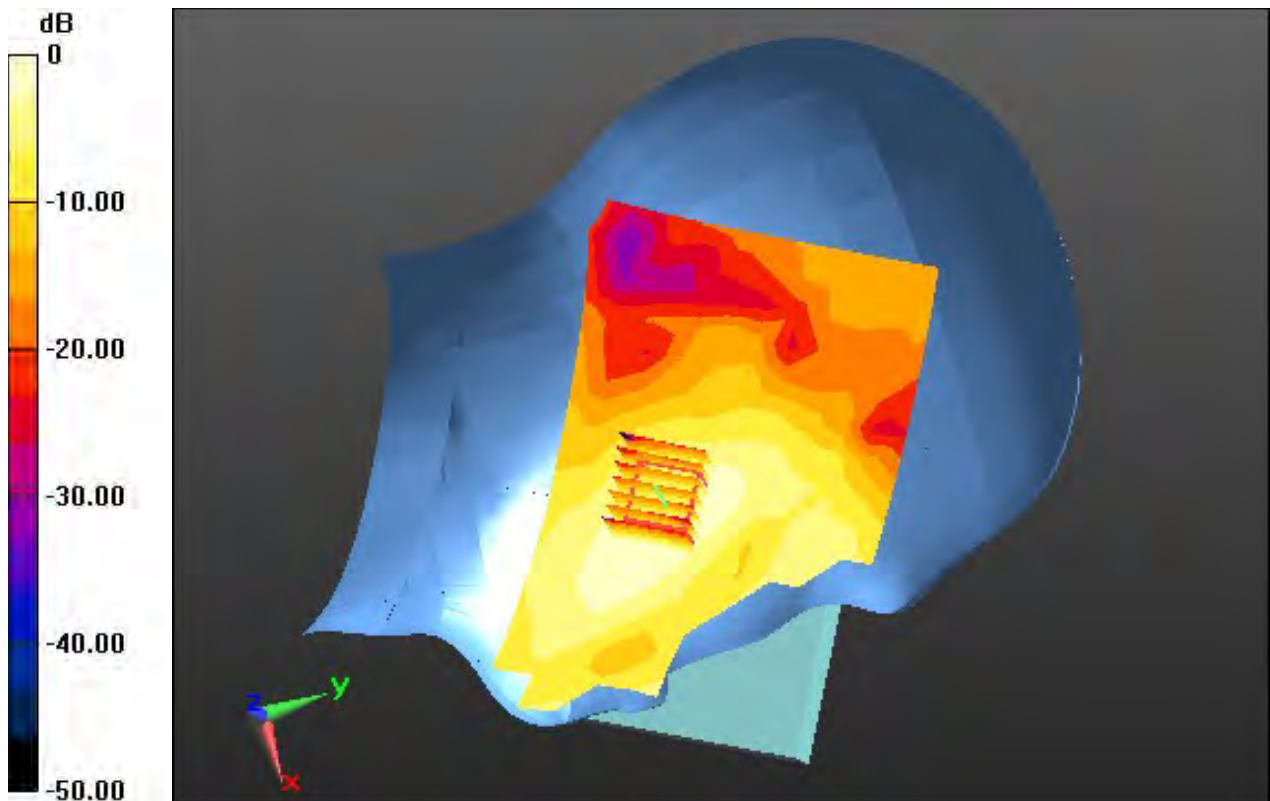
Area Scan (11x17x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

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

Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.170 W/kg

SAR(1 g) = 0.093 W/kg; SAR(10 g) = 0.049 W/kg



0 dB = 0.131 W/kg

DT&C Co., Ltd.

DUT: PM90G1; Type: PDA

Communication System: UID 0, W-LAN (0); Frequency: 2437 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2437$ MHz; $\sigma = 1.743$ S/m; $\epsilon_r = 38.673$; $\rho = 1000$ kg/m³
Phantom section: Right Section

DASY5 Configuration:

Probe: EX3DV4 - SN3916; ConvF(7.66, 7.66, 7.66); Calibrated: 4/25/2019; Electronics: DAE4 Sn1392
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2013_10_08_right; Type: QD000P40CD; Serial: TP:1785
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-08-22; Ambient Temp: 21.5; Tissue Temp: 21.7

Right Touch, WLAN(802.11b) Ch. 6, Ant Internal, Standard Battery

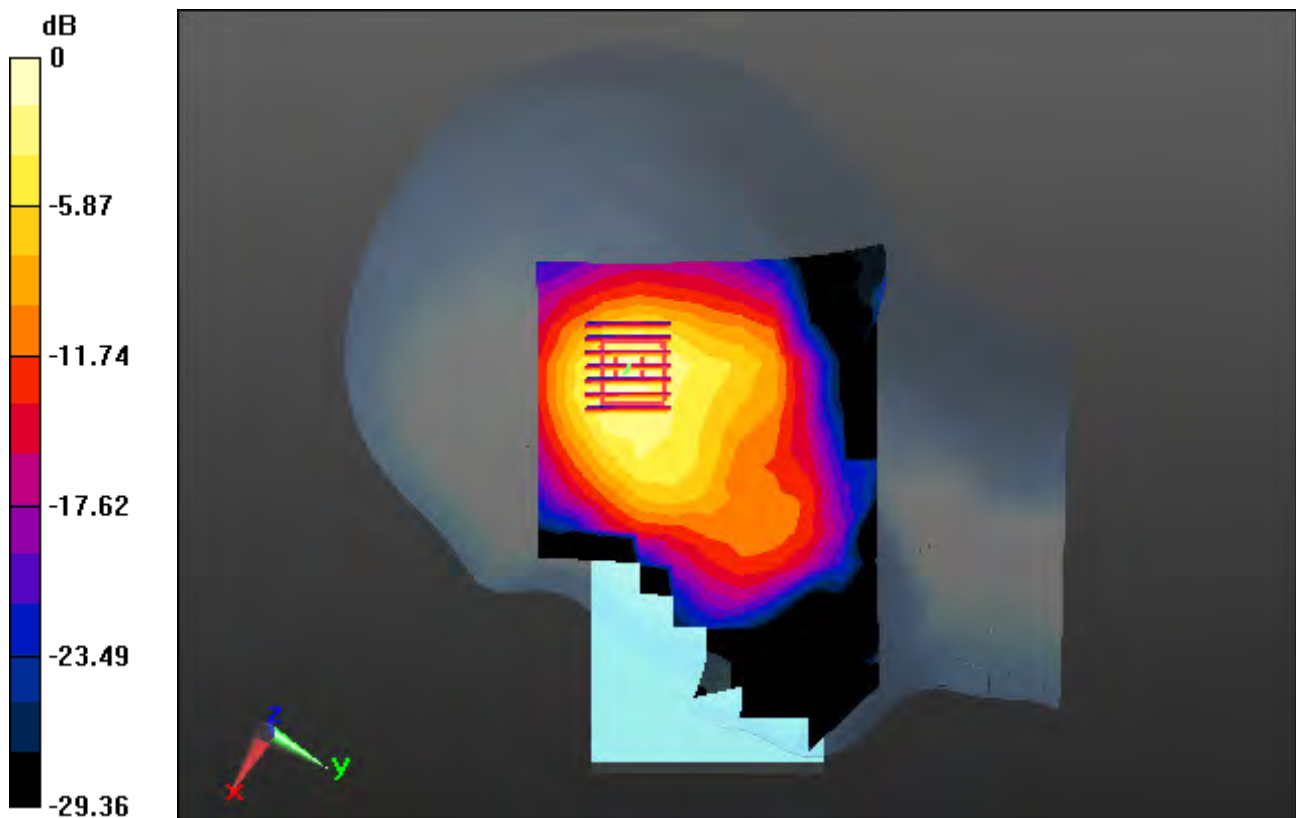
Area Scan (11x17x1): Measurement grid: dx=12mm, dy=12mm

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

Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.517 W/kg

SAR(1 g) = 0.253 W/kg; SAR(10 g) = 0.124 W/kg



0 dB = 0.378 W/kg

DT&C Co., Ltd.

DUT: PM90G1; Type: PDA

Communication System: UID 0, W-LAN_5200(Notebook) (0); Frequency: 5300 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5300 \text{ MHz}$; $\sigma = 4.76 \text{ S/m}$; $\epsilon_r = 36.842$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Right Section

DASY5 Configuration:

Probe: EX3DV4 - SN3916; ConvF(4.94, 4.94, 4.94); Calibrated: 4/25/2019; Electronics: DAE4 Sn1392
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM with CRP_2016_07_22_middle; Type: QD000P40CD; Serial: TP:1786
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2019-09-05; Ambient Temp: 21.3; Tissue Temp: 21.6

Right Touch, WLAN(802.11a) Ch. 60, Ant Internal, Standard Battery

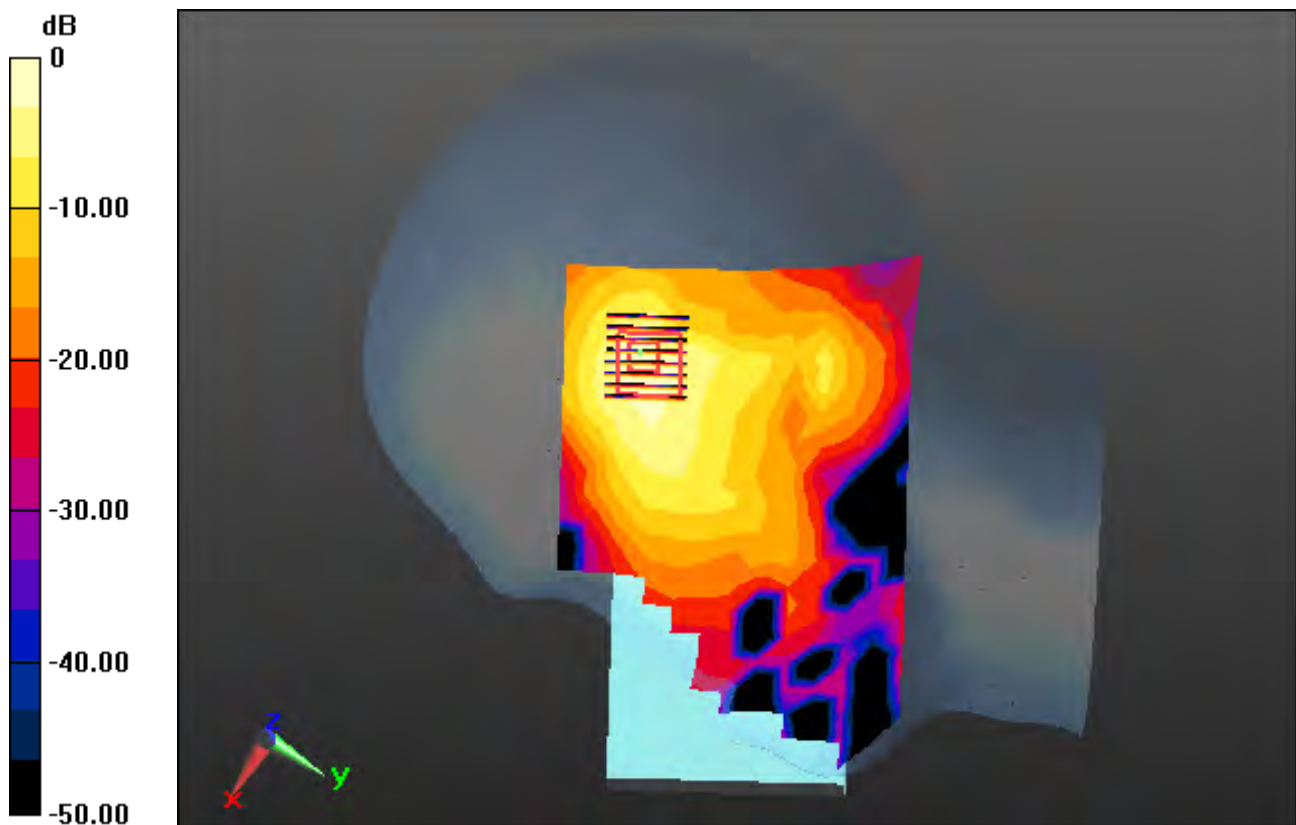
Area Scan (13x21x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

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

Power Drift = 0.02 dB

Peak SAR (extrapolated) = 3.17 W/kg

SAR(1 g) = 0.850 W/kg; SAR(10 g) = 0.290 W/kg



0 dB = 1.95 W/kg

DT&C Co., Ltd.

DUT: PM90G1; Type: PDA

Communication System: UID 0, W-LAN_5600 (0); Frequency: 5580 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5580 \text{ MHz}$; $\sigma = 5.022 \text{ S/m}$; $\epsilon_r = 35.092$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY5 Configuration:

Probe: EX3DV4 - SN3916; ConvF(4.75, 4.75, 4.75); Calibrated: 4/25/2019; Electronics: DAE4 Sn1392

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

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

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

Test Date: 2019-09-06; Ambient Temp: 20.9; Tissue Temp: 21.5

Right Touch, WLAN(802.11a) Ch. 116, Ant Internal, Standard Battery

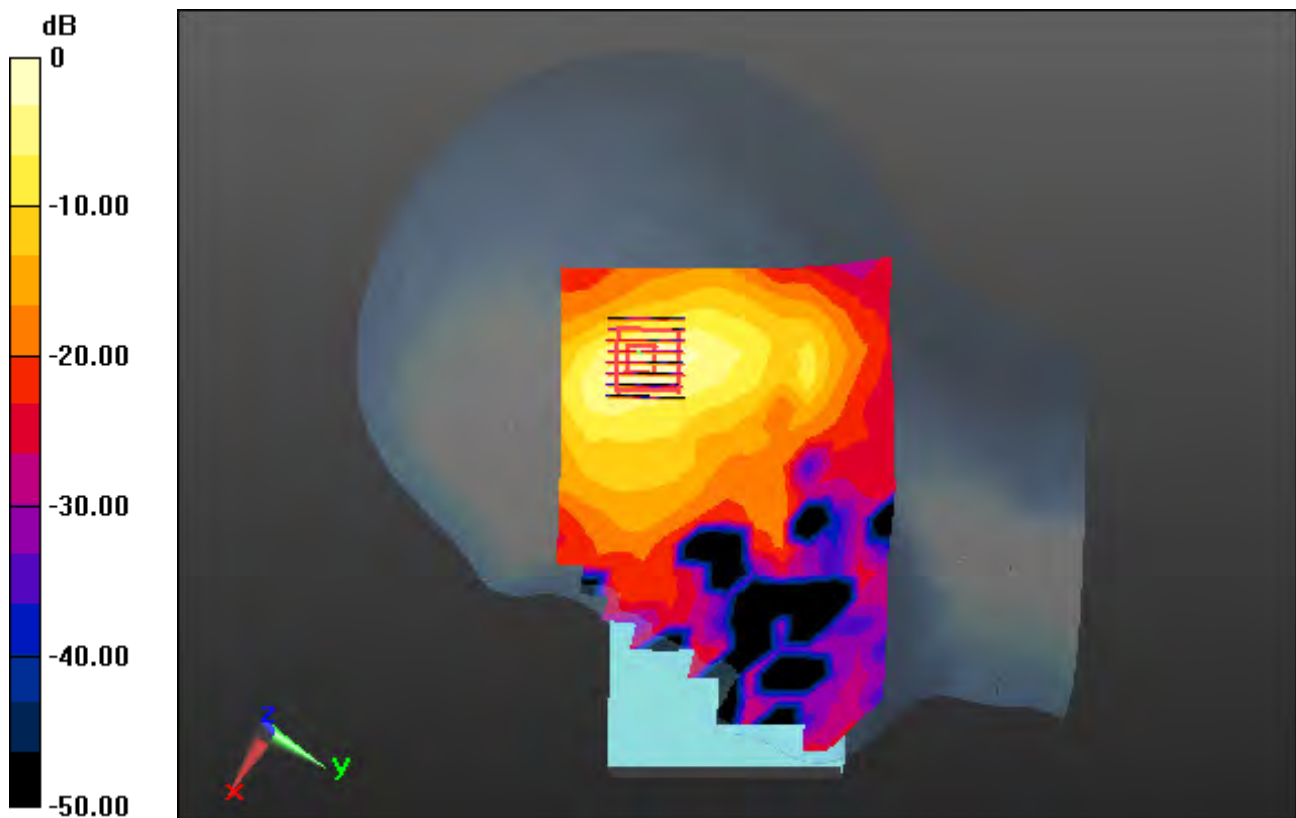
Area Scan (13x21x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

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

Power Drift = -0.00 dB

Peak SAR (extrapolated) = 2.52 W/kg

SAR(1 g) = 0.593 W/kg; SAR(10 g) = 0.214 W/kg



0 dB = 1.52 W/kg

DT&C Co., Ltd.

DUT: PM90G1; Type: PDA

Communication System: UID 0, W-LAN_5800 (0); Frequency: 5825 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5825 \text{ MHz}$; $\sigma = 5.239 \text{ S/m}$; $\epsilon_r = 36.418$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY5 Configuration:

Probe: EX3DV4 - SN3916; ConvF(4.82, 4.82, 4.82); Calibrated: 4/25/2019; Electronics: DAE4 Sn1392

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

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

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

Test Date: 2019-09-09; Ambient Temp: 21.8; Tissue Temp: 21.6

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

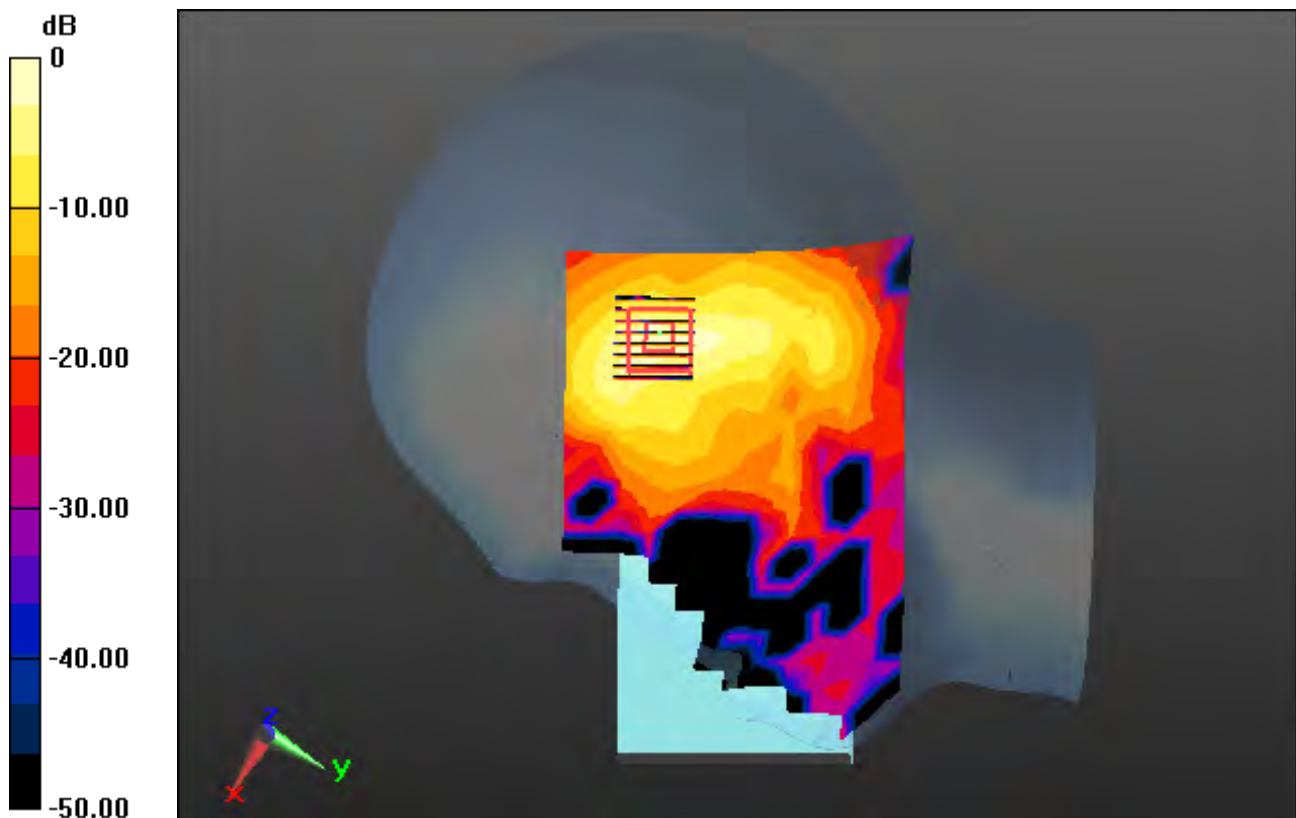
Area Scan (13x21x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

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

Power Drift = 0.09 dB

Peak SAR (extrapolated) = 2.34 W/kg

SAR(1 g) = 0.531 W/kg; SAR(10 g) = 0.174 W/kg



0 dB = 1.37 W/kg

DT&C Co., Ltd.

DUT: PM90G1; Type: PDA

Communication System: UID 0, Bluetooth (0); Frequency: 2441 MHz; Duty Cycle: 1:1.302

Medium parameters used: $f = 2441 \text{ MHz}$; $\sigma = 1.844 \text{ S/m}$; $\epsilon_r = 38.372$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY5 Configuration:

Probe: EX3DV4 - SN3916; ConvF(7.66, 7.66, 7.66); Calibrated: 4/25/2019; Electronics: DAE4 Sn1392

Sensor-Surface: 2mm (Mechanical Surface Detection)

Phantom: SAM with CRP_2013_10_08_right; Type: QD000P40CD; Serial: TP:1785

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

Test Date: 2019-08-23; Ambient Temp: 20.9; Tissue Temp: 21.0

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

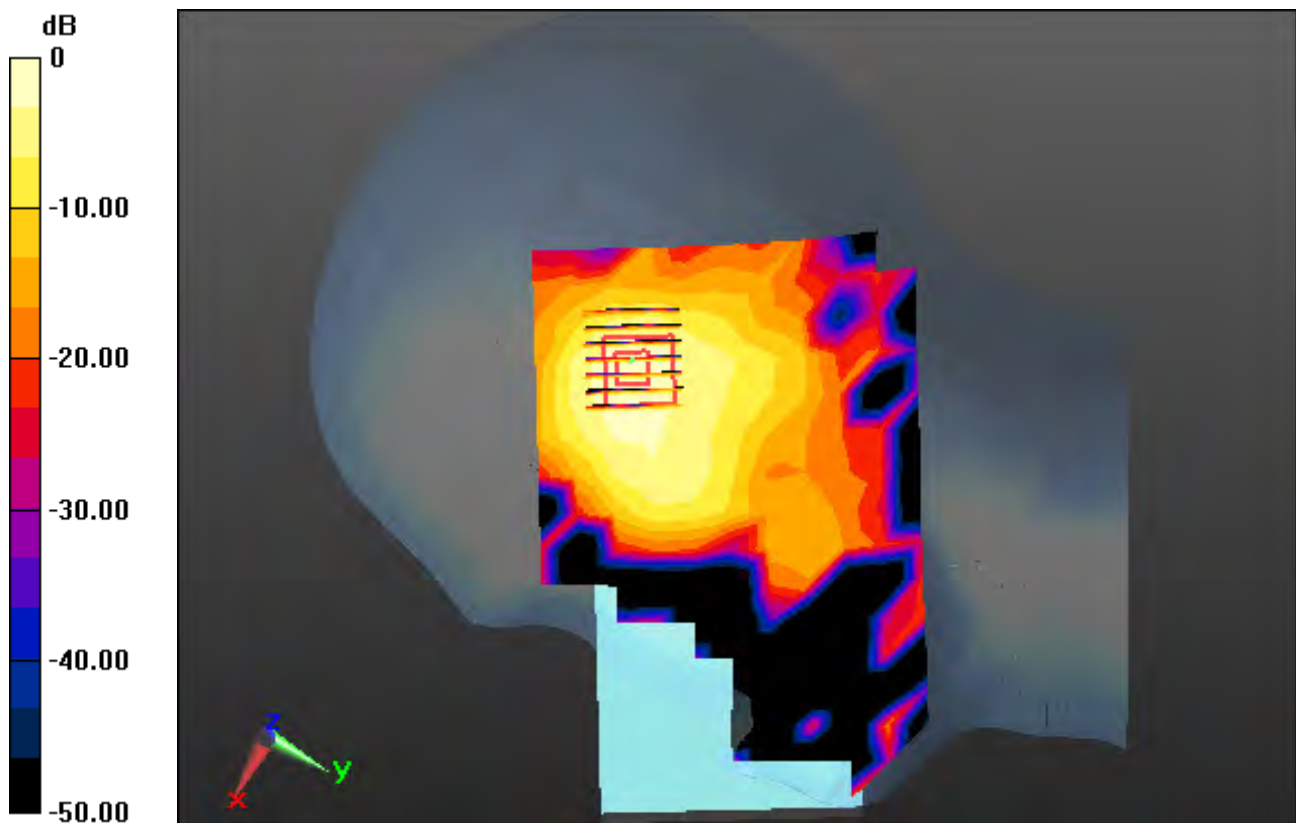
Area Scan (11x17x1): Measurement grid: $dx=12\text{mm}$, $dy=12\text{mm}$

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

Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.0780 W/kg

SAR(1 g) = 0.036 W/kg; SAR(10 g) = 0.017 W/kg



0 dB = 0.0561 W/kg