

SAR Plots

- Verification Plots
- SAR Test Plots

DT&C Co., Ltd.

DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN:4d159

Communication System: UID 0, CW (0); Frequency: 835 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.92 \text{ S/m}$; $\epsilon_r = 42.793$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(10.32, 10.32, 10.32) @ 835 MHz; 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: 2020-07-17; Ambient Temp: 21.4; Tissue Temp: 20.9

835 MHz System Verification (250 mW)

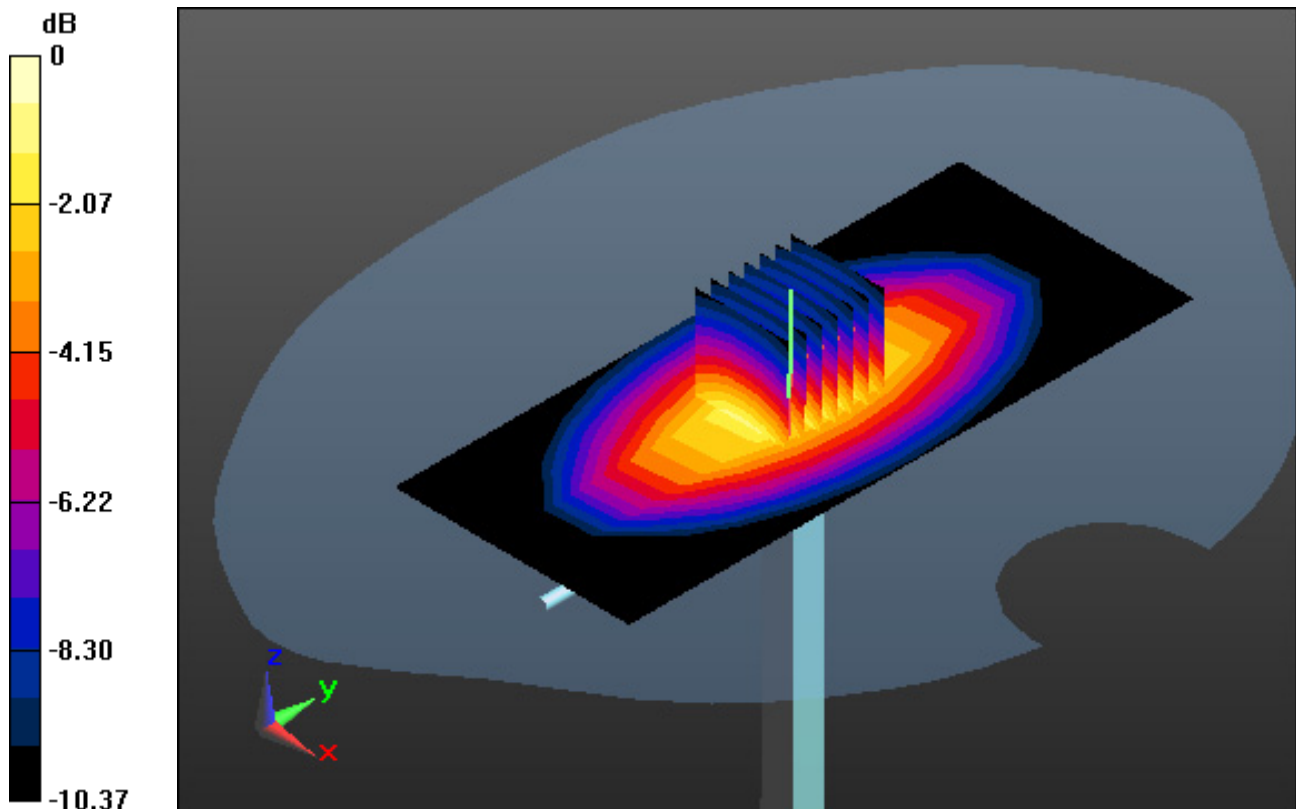
Area Scan (6x13x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.04 dB

Peak SAR (extrapolated) = 3.91 W/kg

SAR(1 g) = 2.48 W/kg; SAR(10 g) = 1.63 W/kg



0 dB = 3.29 W/kg

DT&C Co., Ltd.

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

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

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(8.87, 8.87, 8.87) @ 1800 MHz; 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: 2020-08-12; Ambient Temp: 21.7; Tissue Temp: 21.5

1800 MHz System Verification (100 mW)

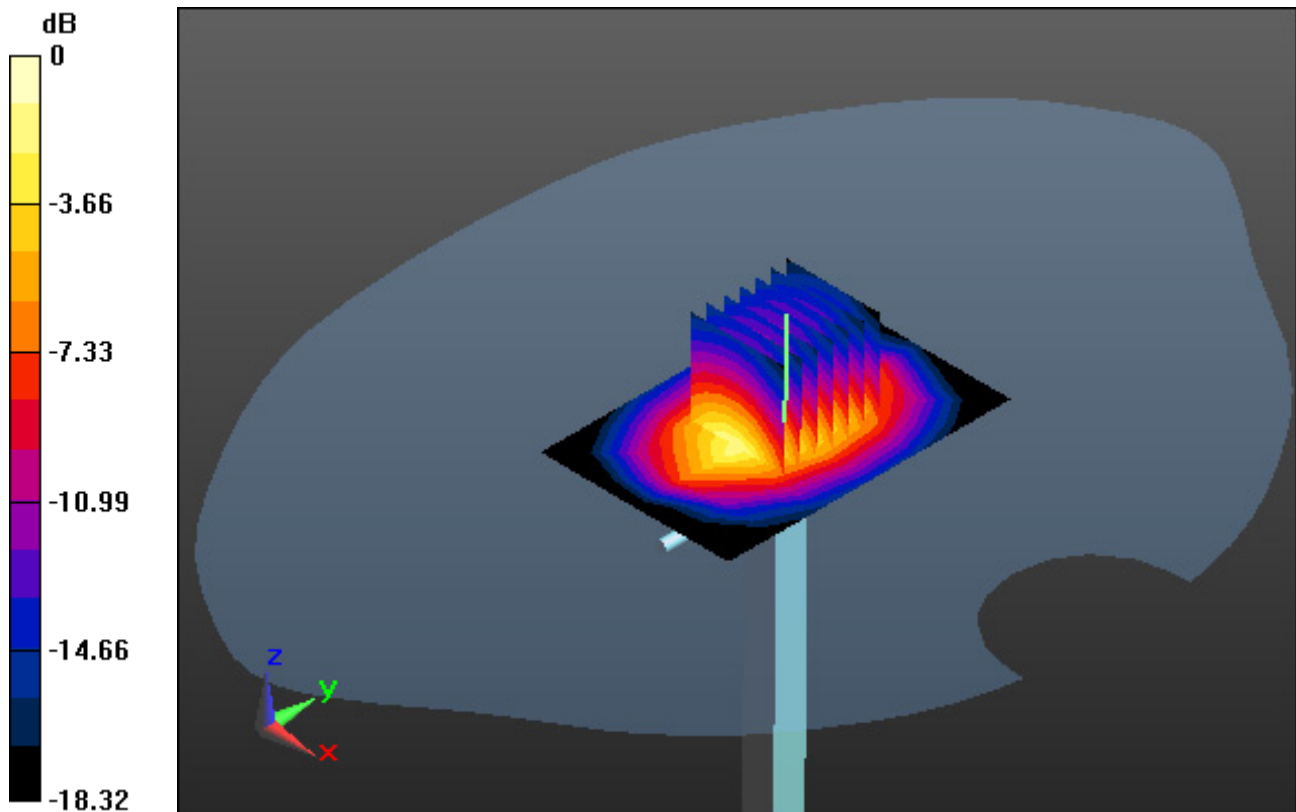
Area Scan (5x7x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.01 dB

Peak SAR (extrapolated) = 6.85 W/kg

SAR(1 g) = 3.67 W/kg; SAR(10 g) = 1.9 W/kg



0 dB = 5.20 W/kg

DT&C Co., Ltd.

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2 - SN:5d176

Communication System: UID 0, CW (0); Frequency: 1900 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1900$ MHz; $\sigma = 1.408$ S/m; $\epsilon_r = 40.825$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(8.57, 8.57, 8.57) @ 1900 MHz; 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: 2020-08-11; Ambient Temp: 21.9; Tissue Temp: 21.6

1900 MHz System Verification (100 mW)

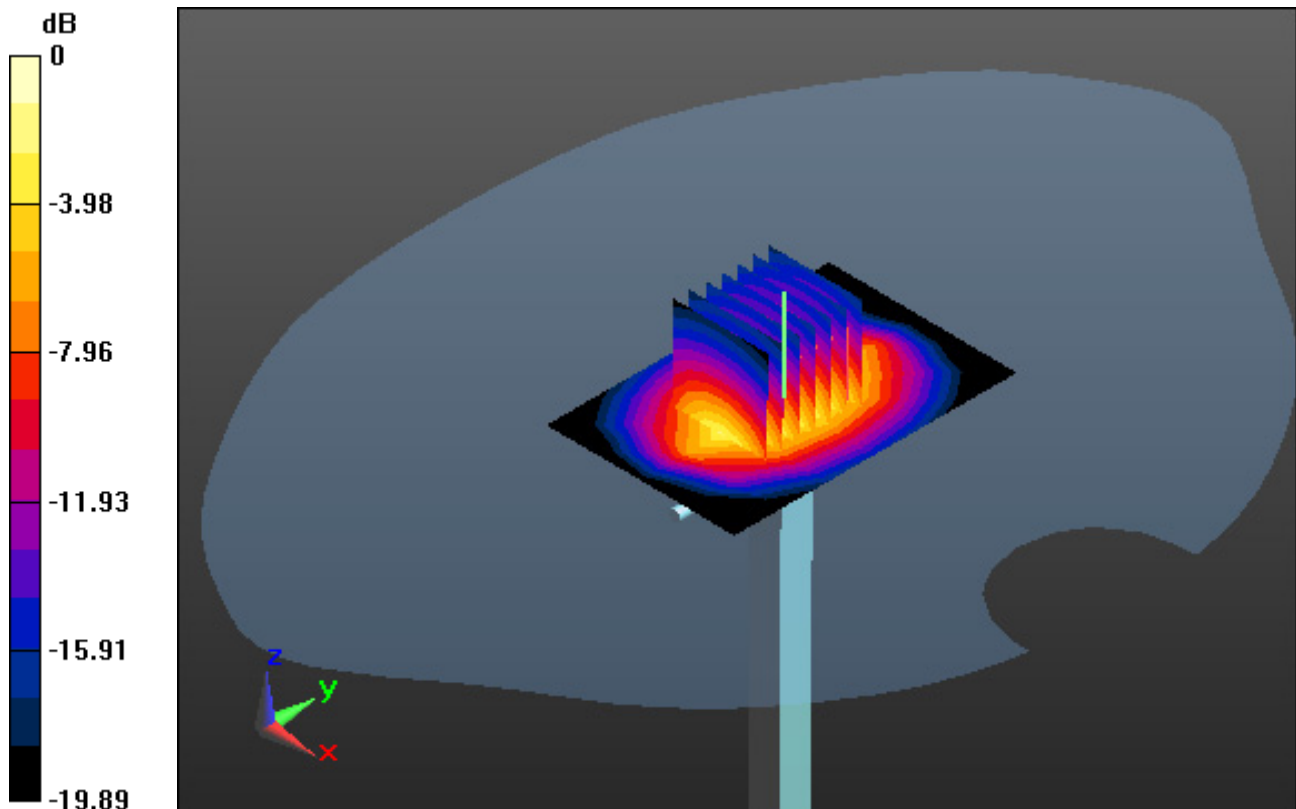
Area Scan (5x7x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.06 dB

Peak SAR (extrapolated) = 5.42 W/kg

SAR(1 g) = 3.79 W/kg; SAR(10 g) = 1.99 W/kg



0 dB = 3.83 W/kg

DT&C Co., Ltd.

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

Communication System: UID 0, CW; Frequency: 2450 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2450$ MHz; $\sigma = 1.857$ S/m; $\epsilon_r = 38.295$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(7.84, 7.84, 7.84) @ 2450 MHz; 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: 2020-07-06; Ambient Temp: 20.6; Tissue Temp: 20.3

2450 MHz System Verification (100 mW)

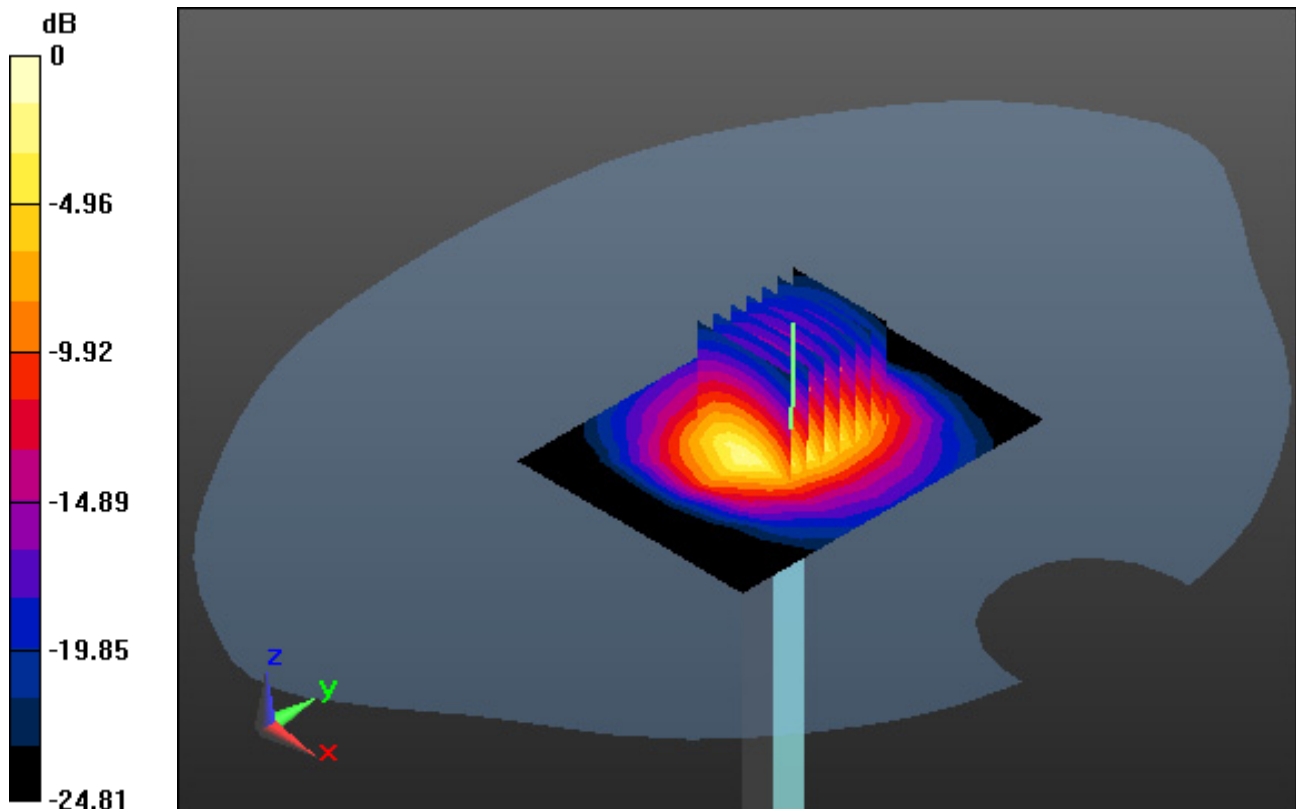
Area Scan (7x9x1): Measurement grid: dx=12mm, dy=12mm

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

Power Drift = -0.08 dB

Peak SAR (extrapolated) = 12.4 W/kg

SAR(1 g) = 5.24 W/kg; SAR(10 g) = 2.46 W/kg



0 dB = 7.82 W/kg

DT&C Co., Ltd.

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

Communication System: UID 0, CW (0); Frequency: 2600 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2600$ MHz; $\sigma = 2.024$ S/m; $\epsilon_r = 37.761$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(7.62, 7.62, 7.62) @ 2600 MHz; 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: 2020-08-13; Ambient Temp: 21.1; Tissue Temp: 20.4

2600 MHz System Verification (100 mW)

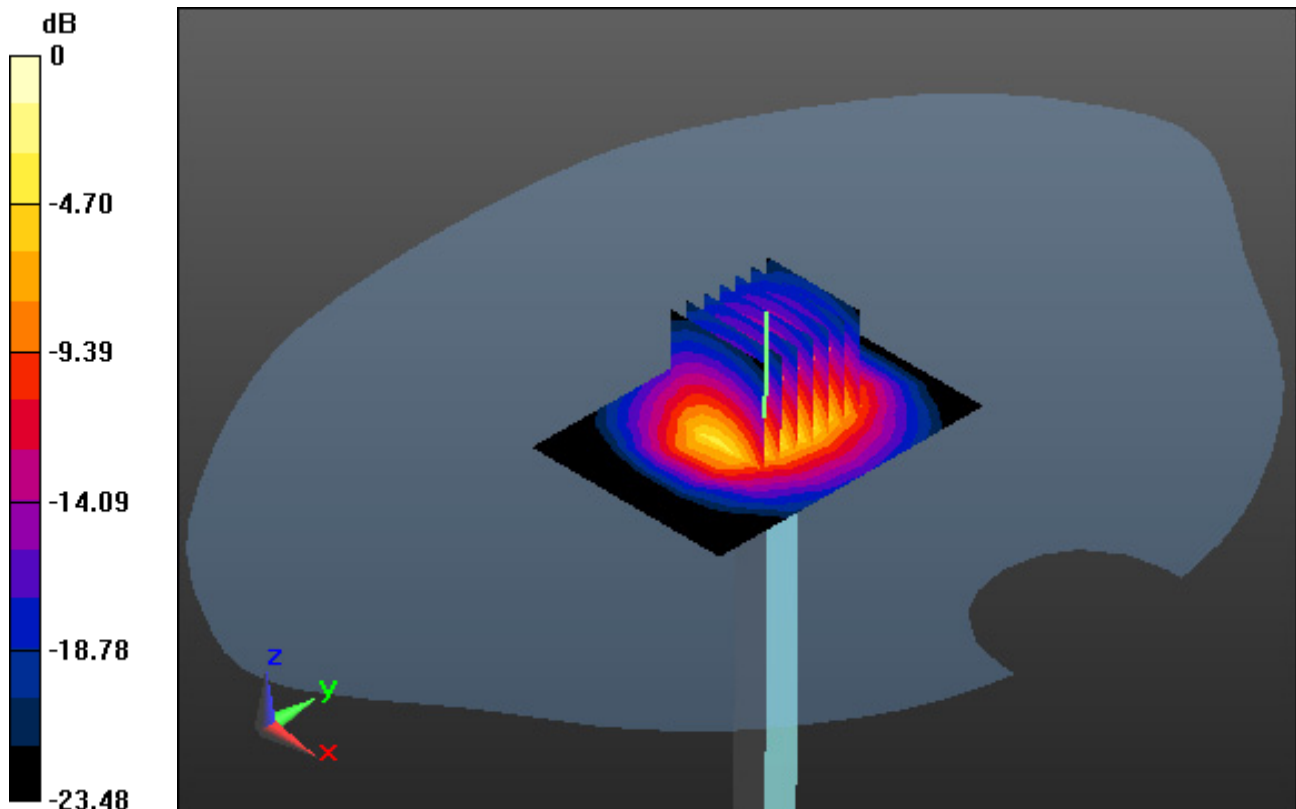
Area Scan (6x8x1): Measurement grid: dx=12mm, dy=12mm

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

Power Drift = 0.06 dB

Peak SAR (extrapolated) = 12.2 W/kg

SAR(1 g) = 5.76 W/kg; SAR(10 g) = 2.58 W/kg



0 dB = 8.96 W/kg

DT&C Co., Ltd.

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

Communication System: UID 0, CW (0); Frequency: 5300 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5300$ MHz; $\sigma = 4.792$ S/m; $\epsilon_r = 35.627$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(5.1, 5.1, 5.1) @ 5300 MHz; 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: 2020-07-07; Ambient Temp: 20.8; Tissue Temp: 20.2

5300 MHz System Verification (100 mW)

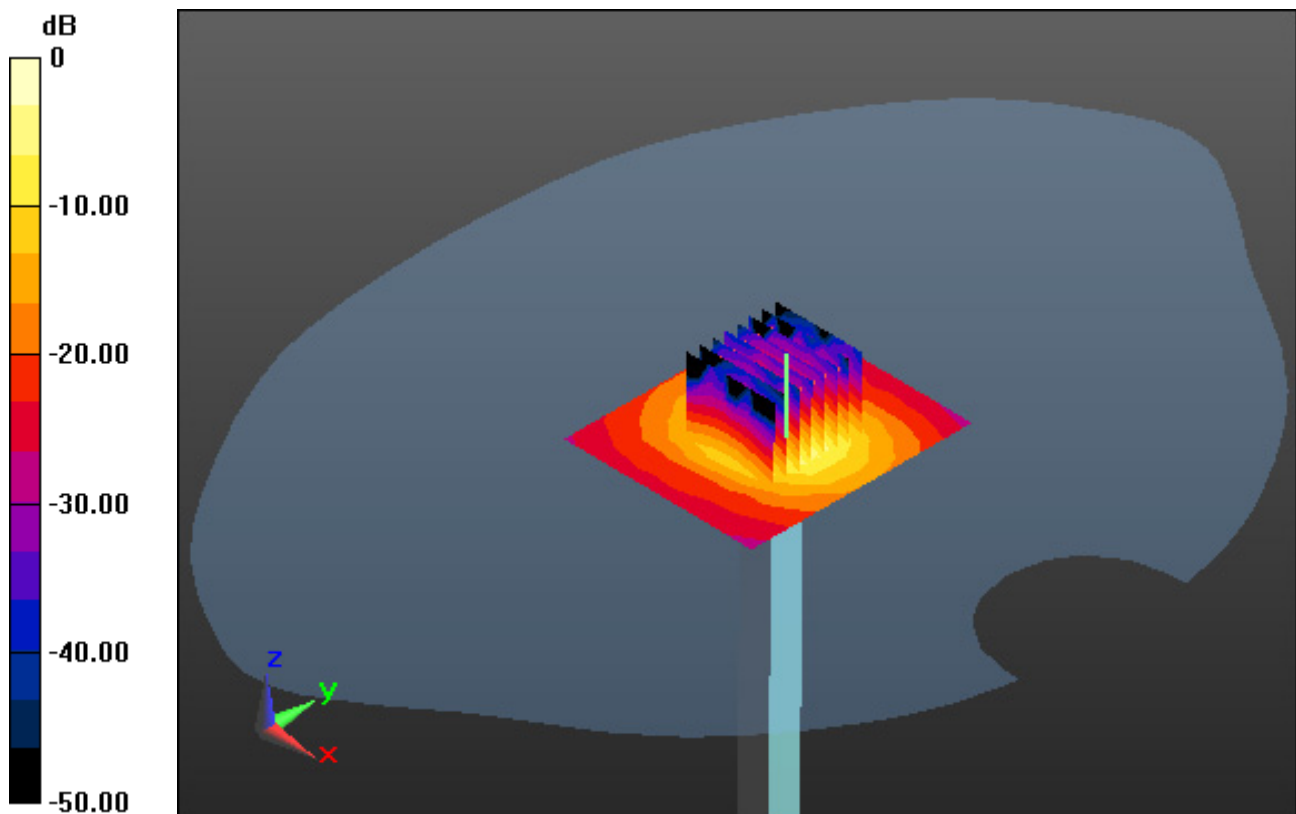
Area Scan (7x8x1): Measurement grid: dx=10mm, dy=10mm

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) = 30.1 W/kg

SAR(1 g) = 8.32 W/kg; SAR(10 g) = 2.35 W/kg



0 dB = 19.8 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; $\sigma = 5.138$ S/m; $\epsilon_r = 34.054$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(4.75, 4.75, 4.75) @ 5800 MHz; 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: 2020-07-08; Ambient Temp: 20.5; Tissue Temp: 20.1

5800 MHz System Verification (100 mW)

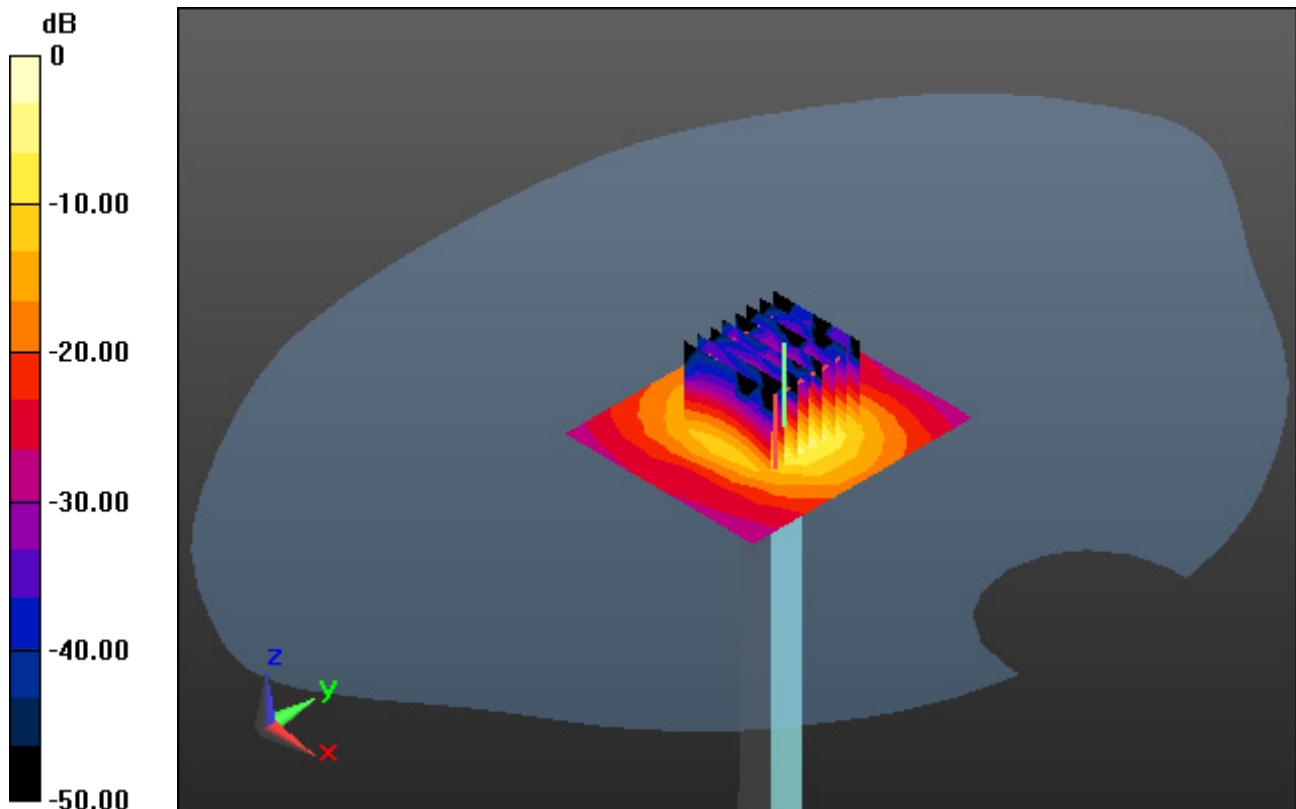
Area Scan (7x8x1): Measurement grid: dx=10mm, dy=10mm

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) = 30.5 W/kg

SAR(1 g) = 7.94 W/kg; SAR(10 g) = 2.21 W/kg



0 dB = 18.6 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; $\sigma = 5.341$ S/m; $\epsilon_r = 34.861$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(4.75, 4.75, 4.75) @ 5800 MHz; 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: 2020-07-09; Ambient Temp: 20.7; Tissue Temp: 20.3

5800 MHz System Verification (100 mW)

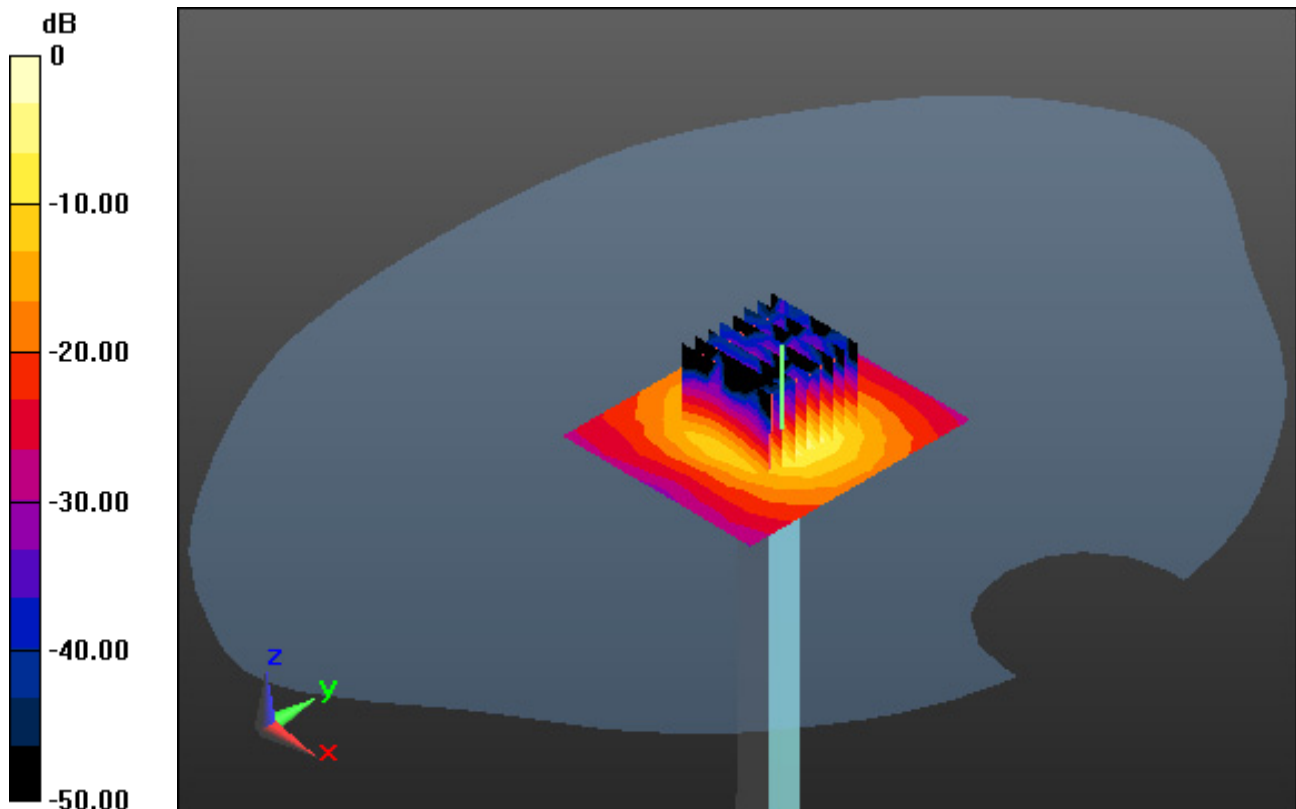
Area Scan (7x8x1): Measurement grid: dx=10mm, dy=10mm

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

Power Drift = -0.07 dB

Peak SAR (extrapolated) = 31.8 W/kg

SAR(1 g) = 8.29 W/kg; SAR(10 g) = 2.33 W/kg



0 dB = 19.5 W/kg

DT&C Co., Ltd.

DUT: VF550; Type: Bar

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

Medium parameters used: $f = 836.6$ MHz; $\sigma = 0.921$ S/m; $\epsilon_r = 42.778$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(10.32, 10.32, 10.32) @ 836.6 MHz; 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: 2020-07-17; Ambient Temp: 21.4; Tissue Temp: 20.9

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

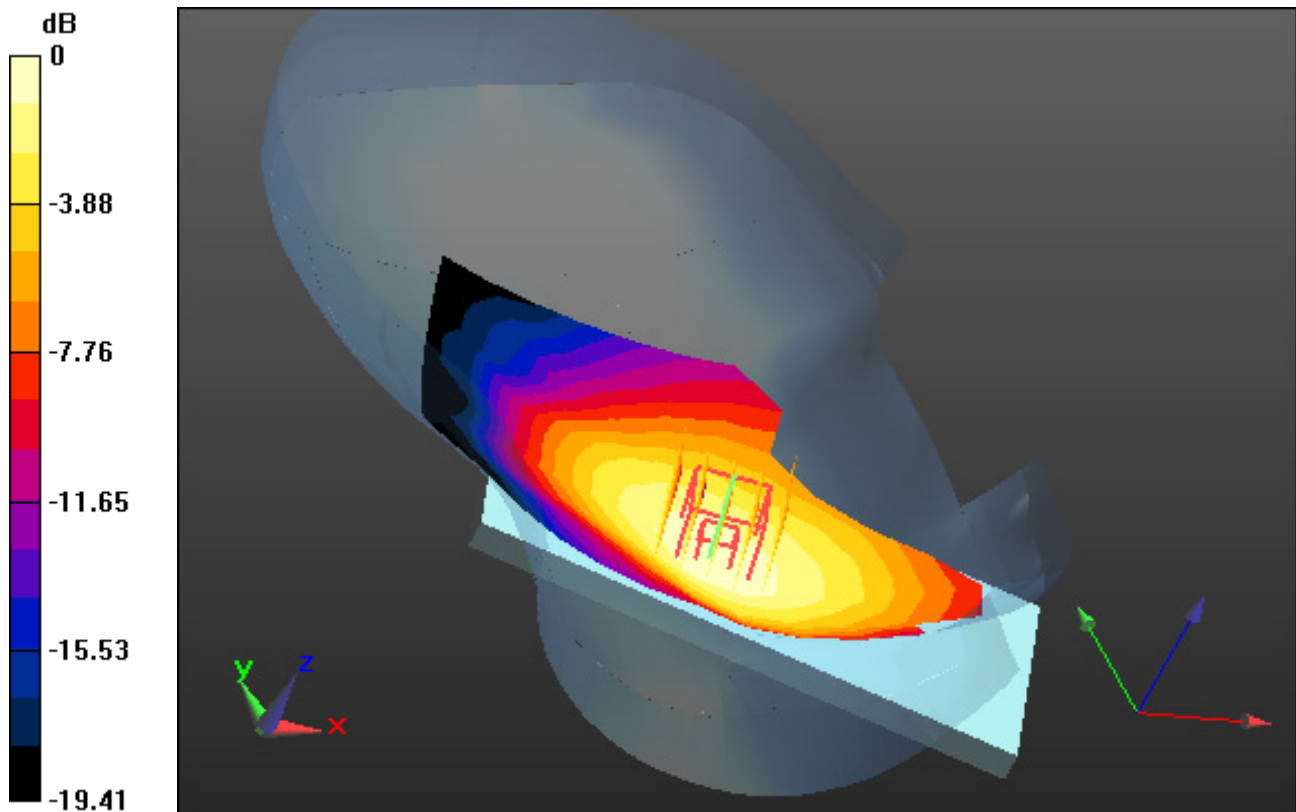
Area Scan (9x14x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.215 W/kg

SAR(1 g) = 0.167 W/kg; SAR(10 g) = 0.126 W/kg



0 dB = 0.194 W/kg

DT&C Co., Ltd.

DUT: VF550; Type: Bar

Communication System: UID 0, GSM 850_10 (0); Frequency: 836.6 MHz; Duty Cycle: 1:4.15

Medium parameters used: $f = 836.6$ MHz; $\sigma = 0.921$ S/m; $\epsilon_r = 42.778$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(10.32, 10.32, 10.32) @ 836.6 MHz; 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: 2020-07-17; Ambient Temp: 21.4; Tissue Temp: 20.9

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

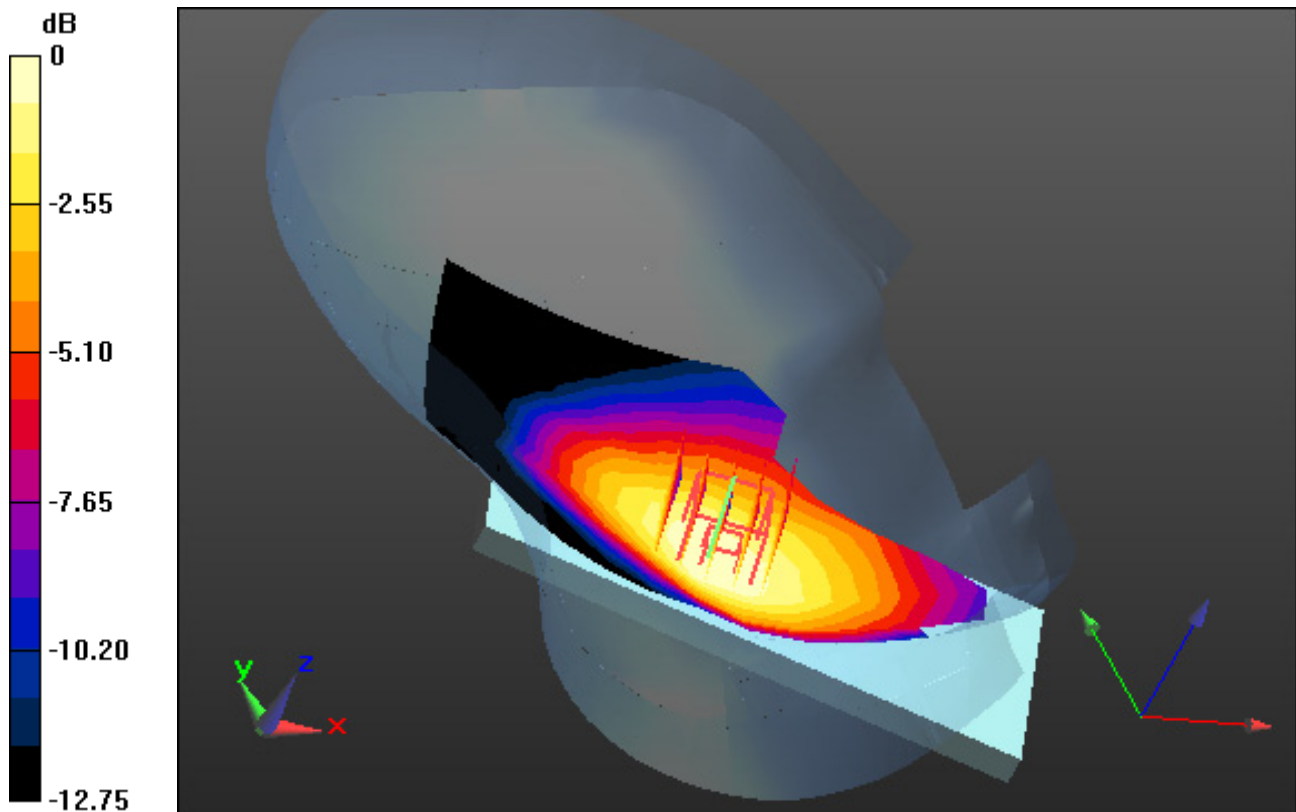
Area Scan (9x14x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.354 W/kg

SAR(1 g) = 0.282 W/kg; SAR(10 g) = 0.213 W/kg



0 dB = 0.323 W/kg

DT&C Co., Ltd.

DUT: VF550; Type: Bar

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.394$ S/m; $\epsilon_r = 40.886$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(8.57, 8.57, 8.57) @ 1880 MHz; 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: 2020-08-11; Ambient Temp: 21.9; Tissue Temp: 21.6

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

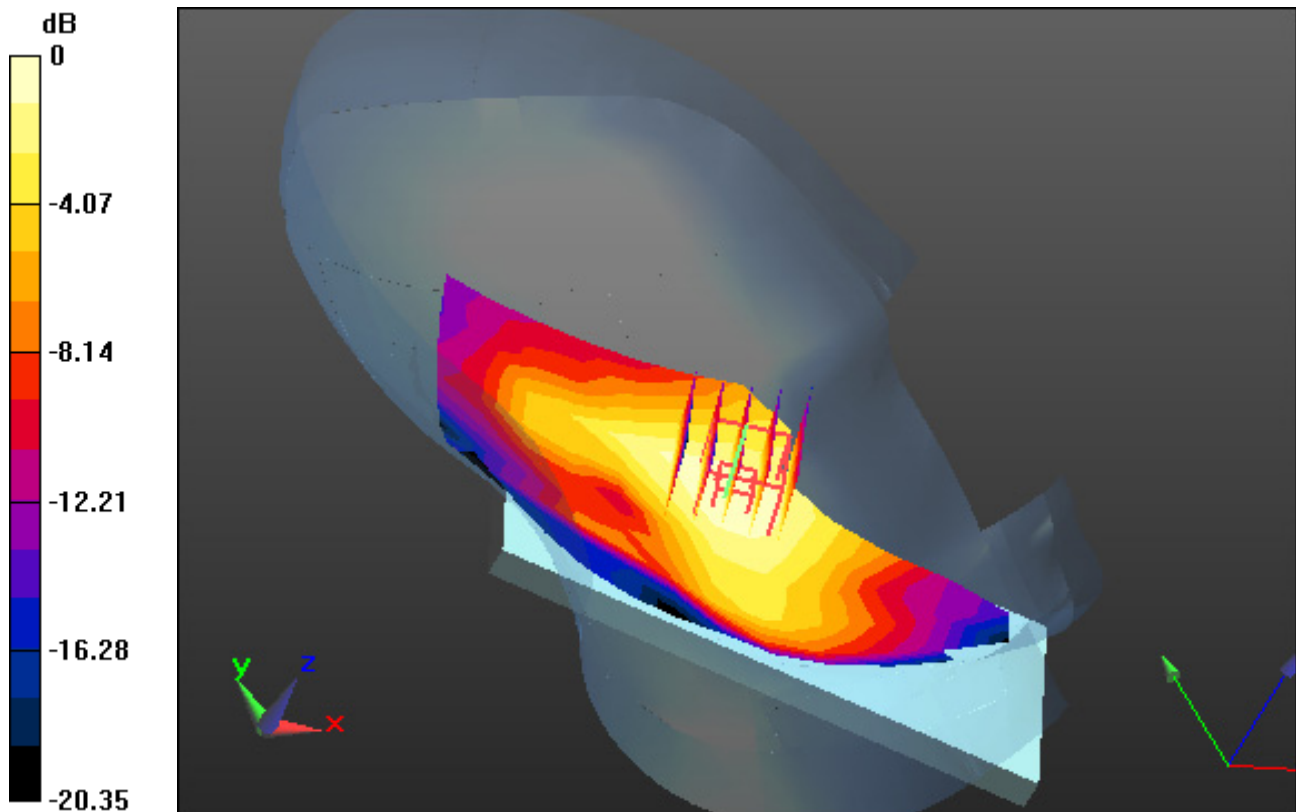
Area Scan (9x14x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.0540 W/kg

SAR(1 g) = 0.034 W/kg; SAR(10 g) = 0.021 W/kg



0 dB = 0.0442 W/kg

DT&C Co., Ltd.

DUT: VF550; Type: Bar

Communication System: UID 0, PCS1900_Class 12 (0); Frequency: 1880 MHz; Duty Cycle: 1:2.075

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.394$ S/m; $\epsilon_r = 40.886$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(8.57, 8.57, 8.57) @ 1880 MHz; 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: 2020-08-11; Ambient Temp: 21.9; Tissue Temp: 21.6

Left Touch, PCS1900 GPRS 4 Tx Ch. 661, Ant Internal, Standard Battery

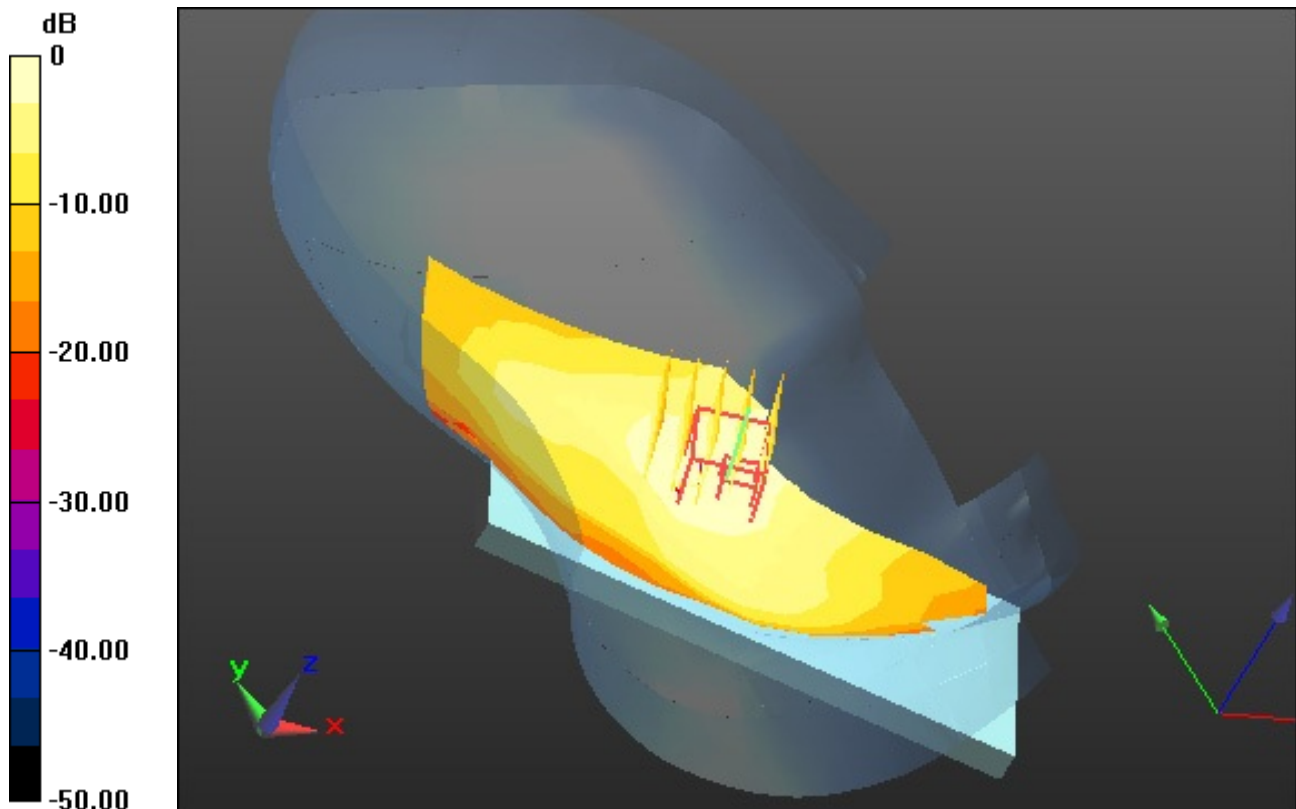
Area Scan (9x14x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.109 W/kg

SAR(1 g) = 0.066 W/kg; SAR(10 g) = 0.039 W/kg



0 dB = 0.0880 W/kg

DT&C Co., Ltd.

DUT: VF550; Type: Bar

Communication System: UID 0, WCDMA 850 (0); Frequency: 836.6 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.921 \text{ S/m}$; $\epsilon_r = 42.778$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(10.32, 10.32, 10.32) @ 836.6 MHz; 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: 2020-07-17; Ambient Temp: 21.4; Tissue Temp: 20.9

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

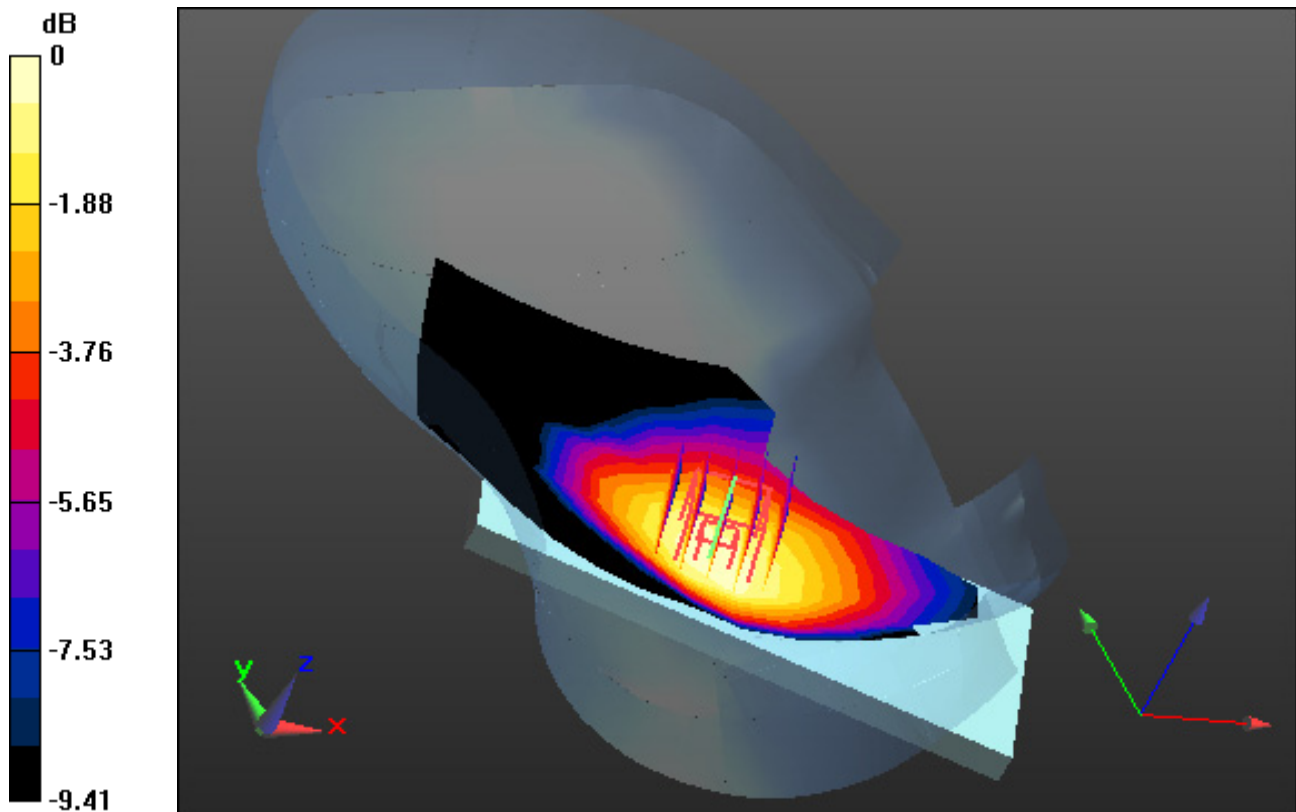
Area Scan (9x14x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.141 W/kg

SAR(1 g) = 0.111 W/kg; SAR(10 g) = 0.083 W/kg



0 dB = 0.128 W/kg

DT&C Co., Ltd.

DUT: VF550; Type: Bar

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.394$ S/m; $\epsilon_r = 40.886$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(8.57, 8.57, 8.57) @ 1880 MHz; 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: 2020-08-11; Ambient Temp: 21.9; Tissue Temp: 21.6

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

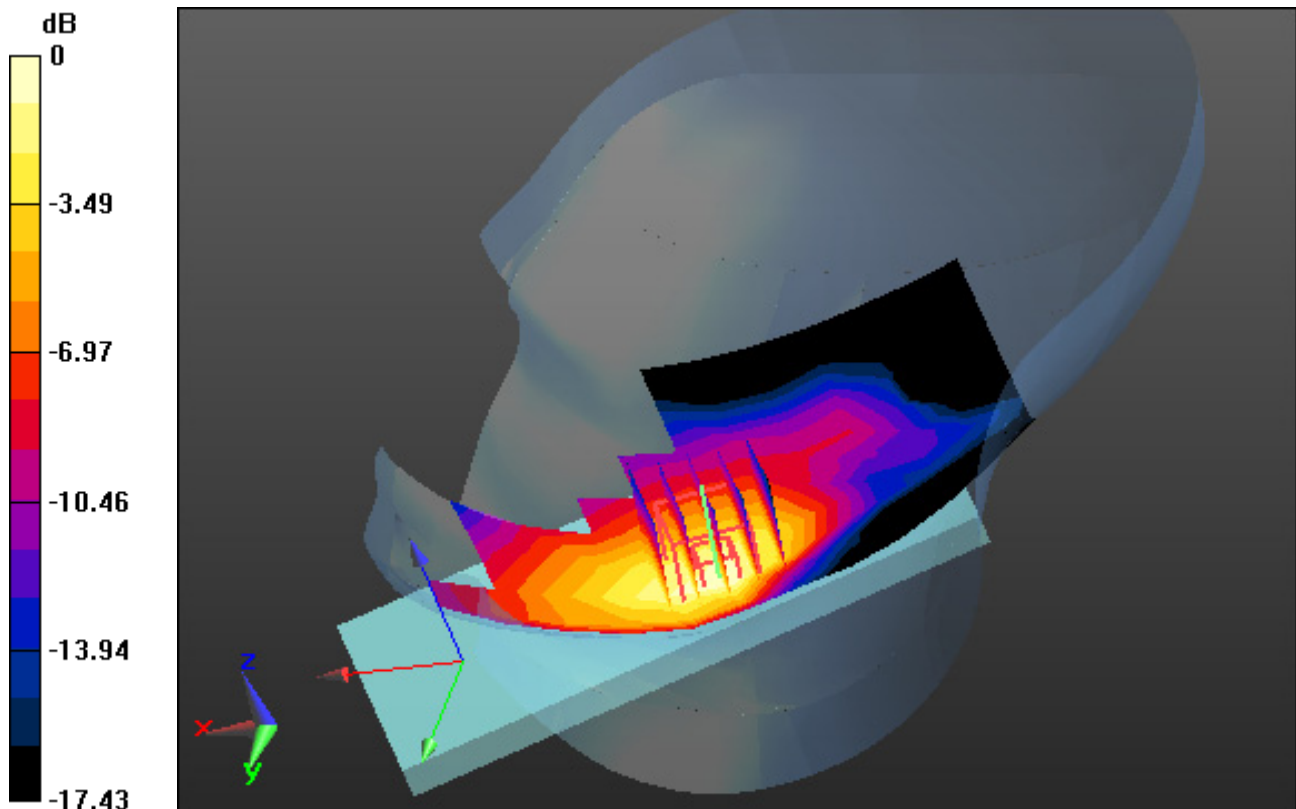
Area Scan (9x14x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.206 W/kg

SAR(1 g) = 0.125 W/kg; SAR(10 g) = 0.074 W/kg



0 dB = 0.167 W/kg

DT&C Co., Ltd.

DUT: VF550; Type: Bar

Communication System: UID 0, LTE Band 4 (0); Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.329$ S/m; $\epsilon_r = 40.767$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(8.87, 8.87, 8.87) @ 1732.5 MHz; 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: 2020-08-12; Ambient Temp: 21.7; Tissue Temp: 21.5

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

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

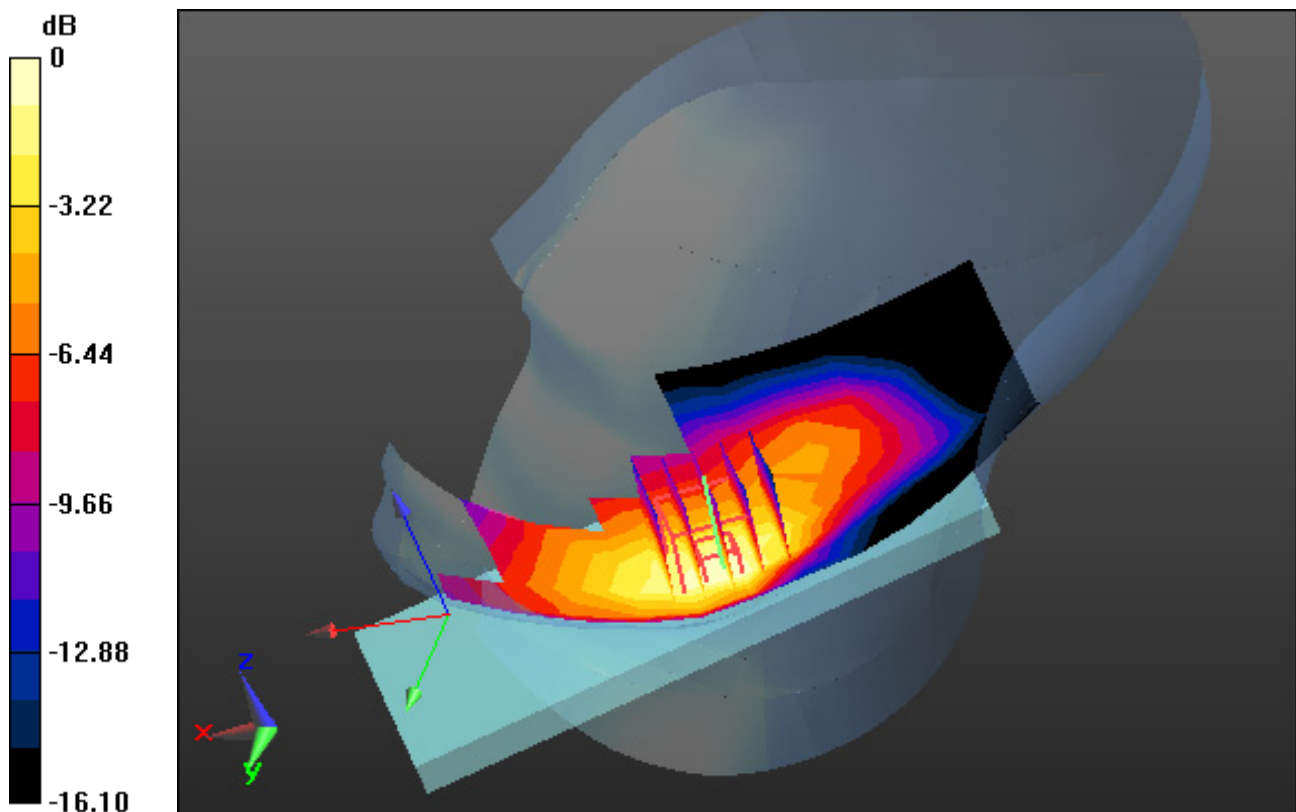
Area Scan (9x14x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.566 W/kg

SAR(1 g) = 0.367 W/kg; SAR(10 g) = 0.229 W/kg



0 dB = 0.476 W/kg

DT&C Co., Ltd.

DUT: VF550; Type: Bar

Communication System: UID 0, LTE Band 2 (0); Frequency: 1860 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1860$ MHz; $\sigma = 1.38$ S/m; $\epsilon_r = 40.953$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(8.57, 8.57, 8.57) @ 1860 MHz; 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: 2020-08-11; Ambient Temp: 21.9; Tissue Temp: 21.6

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

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

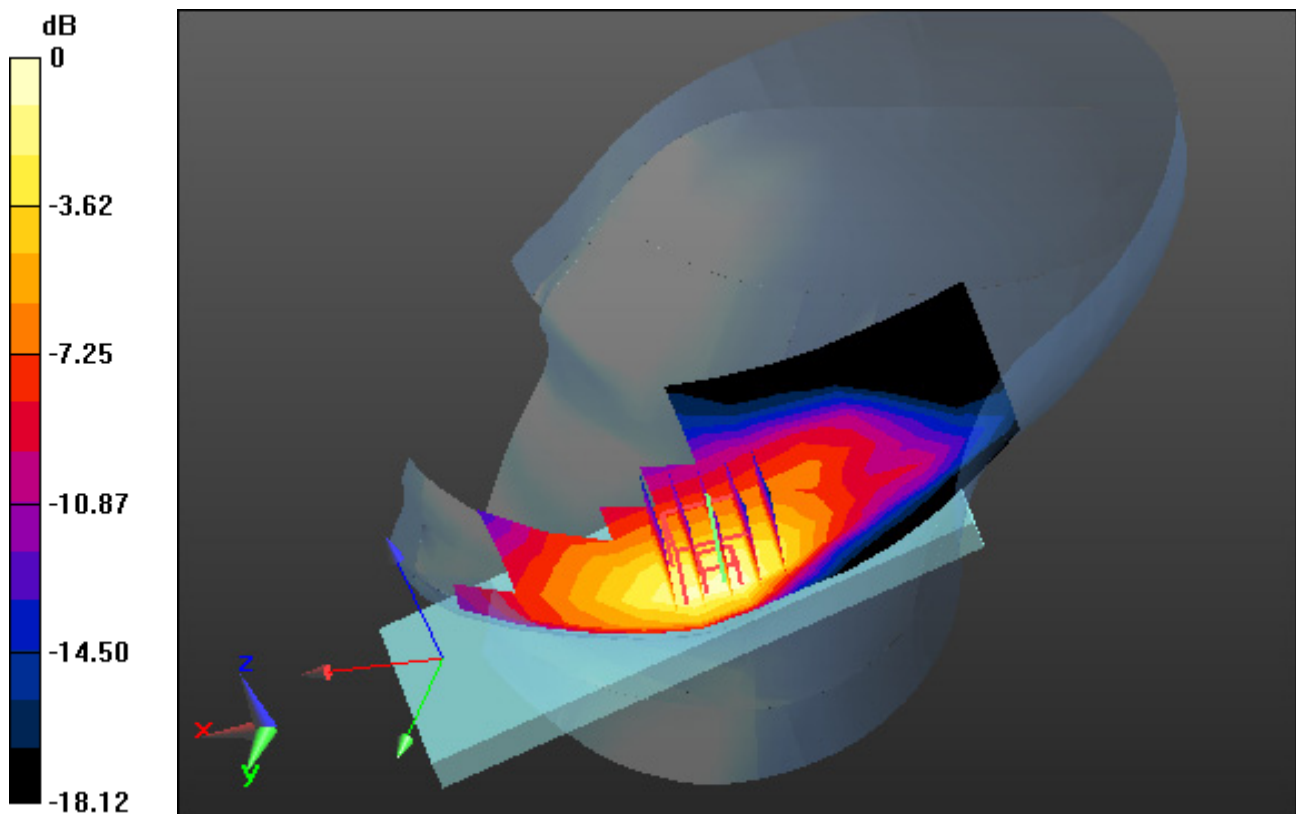
Area Scan (9x14x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.452 W/kg

SAR(1 g) = 0.271 W/kg; SAR(10 g) = 0.159 W/kg



0 dB = 0.371 W/kg

DT&C Co., Ltd.

DUT: VF550; Type: Bar

Communication System: UID 0, LTE Band 7(FCC) (0); Frequency: 2510 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2510$ MHz; $\sigma = 1.923$ S/m; $\epsilon_r = 38.132$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(7.62, 7.62, 7.62) @ 2510 MHz; 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: 2020-08-13; Ambient Temp: 21.1; Tissue Temp: 20.4

Right Touch, LTE Band 7 Ch. 20850, Ant Internal, Standard Battery

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

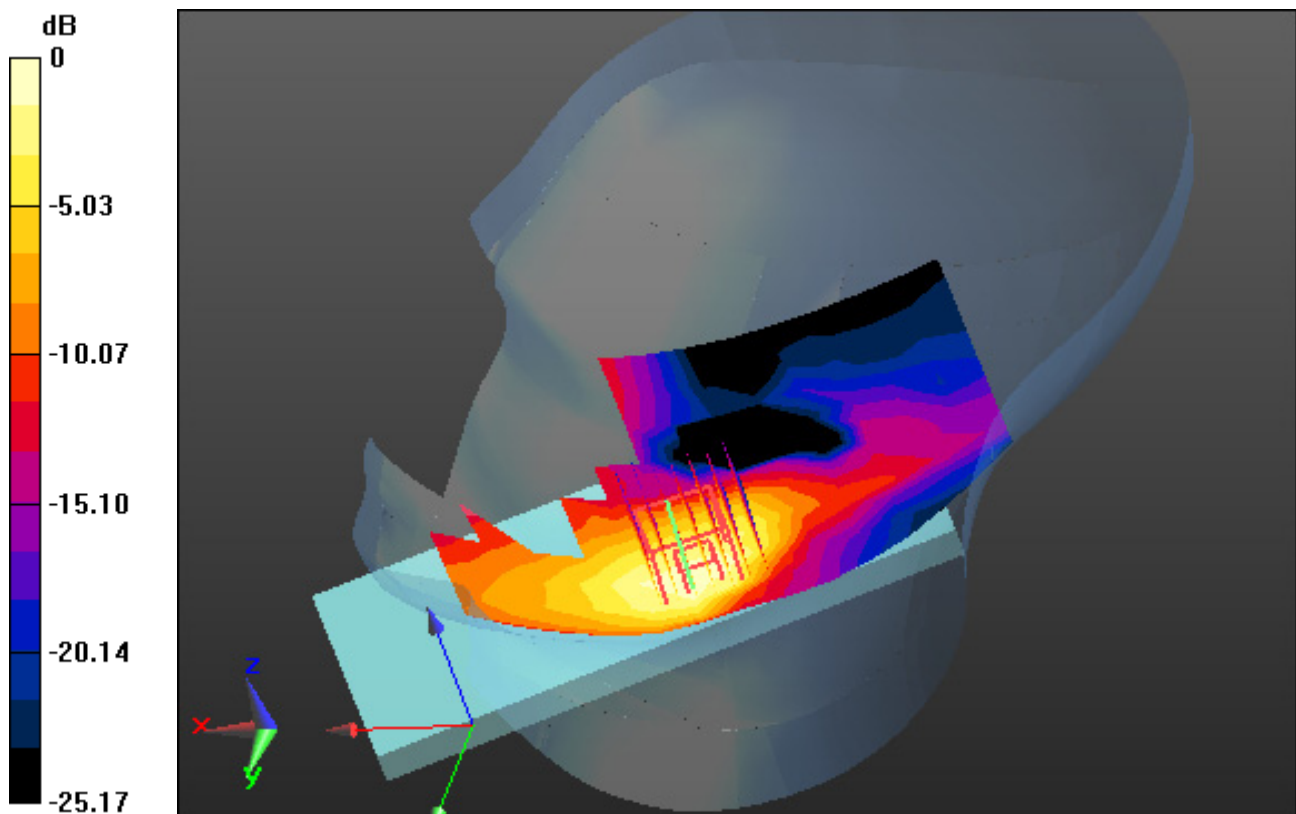
Area Scan (11x17x1): Measurement grid: dx=12mm, dy=12mm

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

Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.445 W/kg

SAR(1 g) = 0.254 W/kg; SAR(10 g) = 0.138 W/kg



0 dB = 0.341 W/kg

DT&C Co., Ltd.

DUT: VF550; Type: Bar

Communication System: UID 0, 2.4 GHz W-LAN (0); Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2437 \text{ MHz}$; $\sigma = 1.841 \text{ S/m}$; $\epsilon_r = 38.35$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(7.84, 7.84, 7.84) @ 2437 MHz; 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: 2020-07-06; Ambient Temp: 20.6; Tissue Temp: 20.3

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

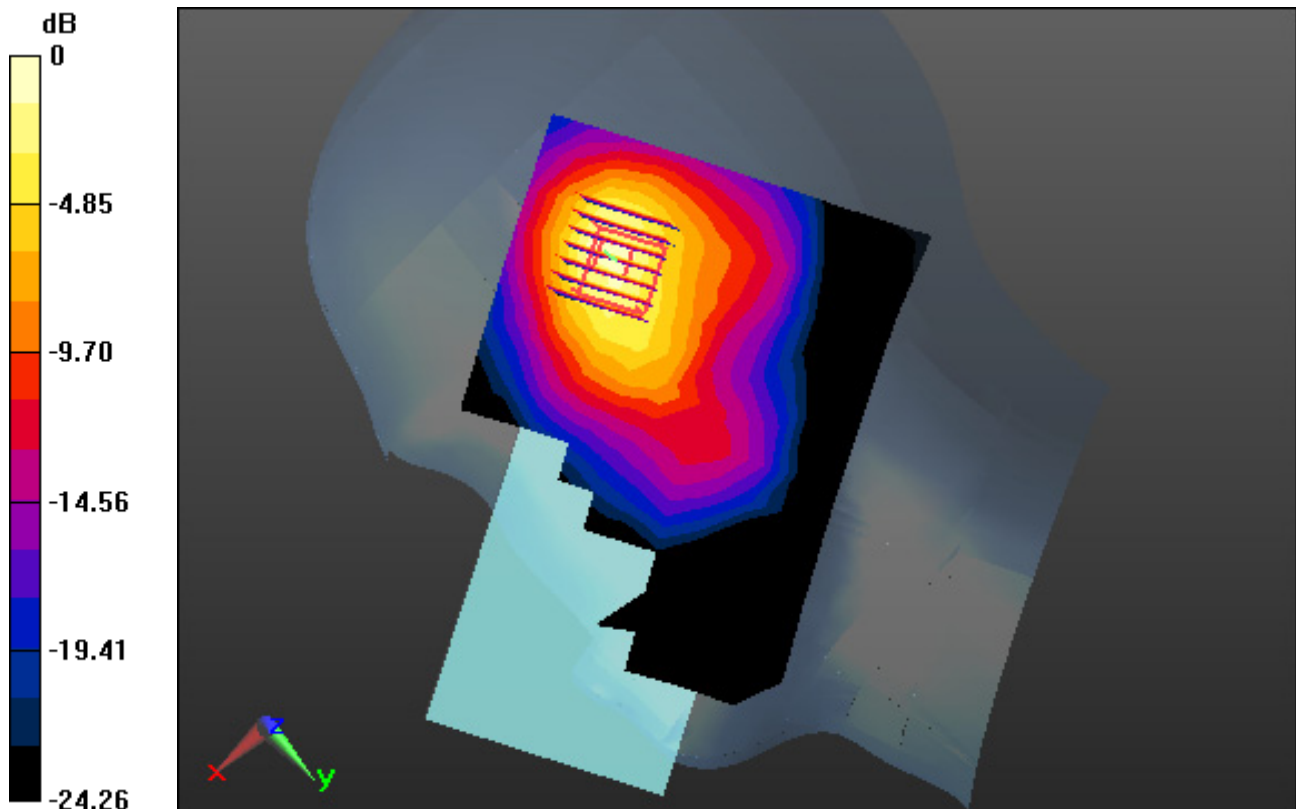
Area Scan (11x17x1): Measurement grid: $dx=12\text{mm}$, $dy=12\text{mm}$

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

Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.06 W/kg

SAR(1 g) = 0.925 W/kg; SAR(10 g) = 0.449 W/kg



0 dB = 1.38 W/kg

DT&C Co., Ltd.

DUT: VF550; Type: Bar

Communication System: UID 0, W-LAN_5 GHz(FCC) (0); Frequency: 5260 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5260 \text{ MHz}$; $\sigma = 4.748 \text{ S/m}$; $\epsilon_r = 35.686$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(5.1, 5.1, 5.1) @ 5260 MHz; 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: 2020-07-07; Ambient Temp: 20.8; Tissue Temp: 20.2

Left Tilt, WLAN(802.11a) Ch. 52, Ant Internal, Standard Battery

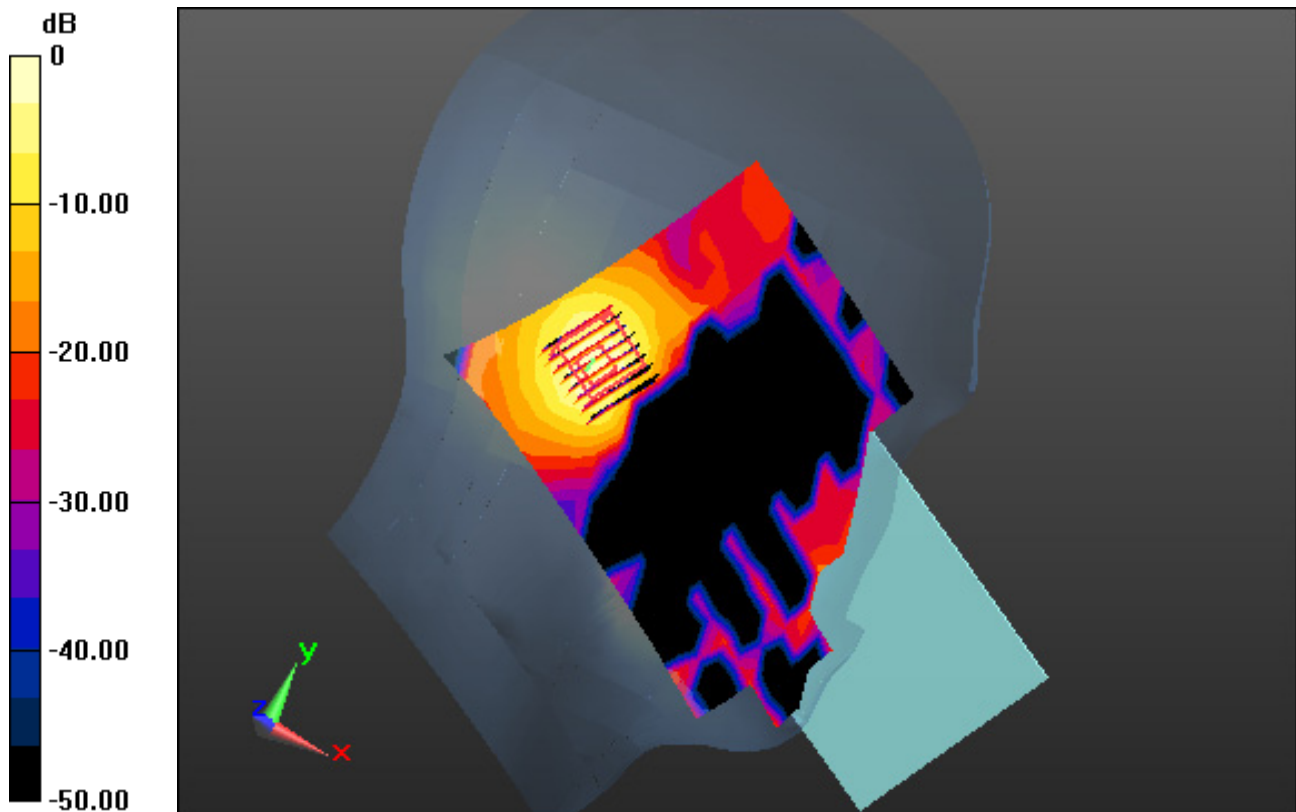
Area Scan (13x21x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

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 = 0.01 dB

Peak SAR (extrapolated) = 1.07 W/kg

SAR(1 g) = 0.327 W/kg; SAR(10 g) = 0.113 W/kg



0 dB = 0.699 W/kg

DT&C Co., Ltd.

DUT: VF550; Type: Bar

Communication System: UID 0, W-LAN_5600 (0); Frequency: 5720 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5720$ MHz; $\sigma = 5.052$ S/m; $\epsilon_r = 34.2$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(4.75, 4.75, 4.75) @ 5720 MHz; 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: 2020-07-08; Ambient Temp: 20.5; Tissue Temp: 20.1

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

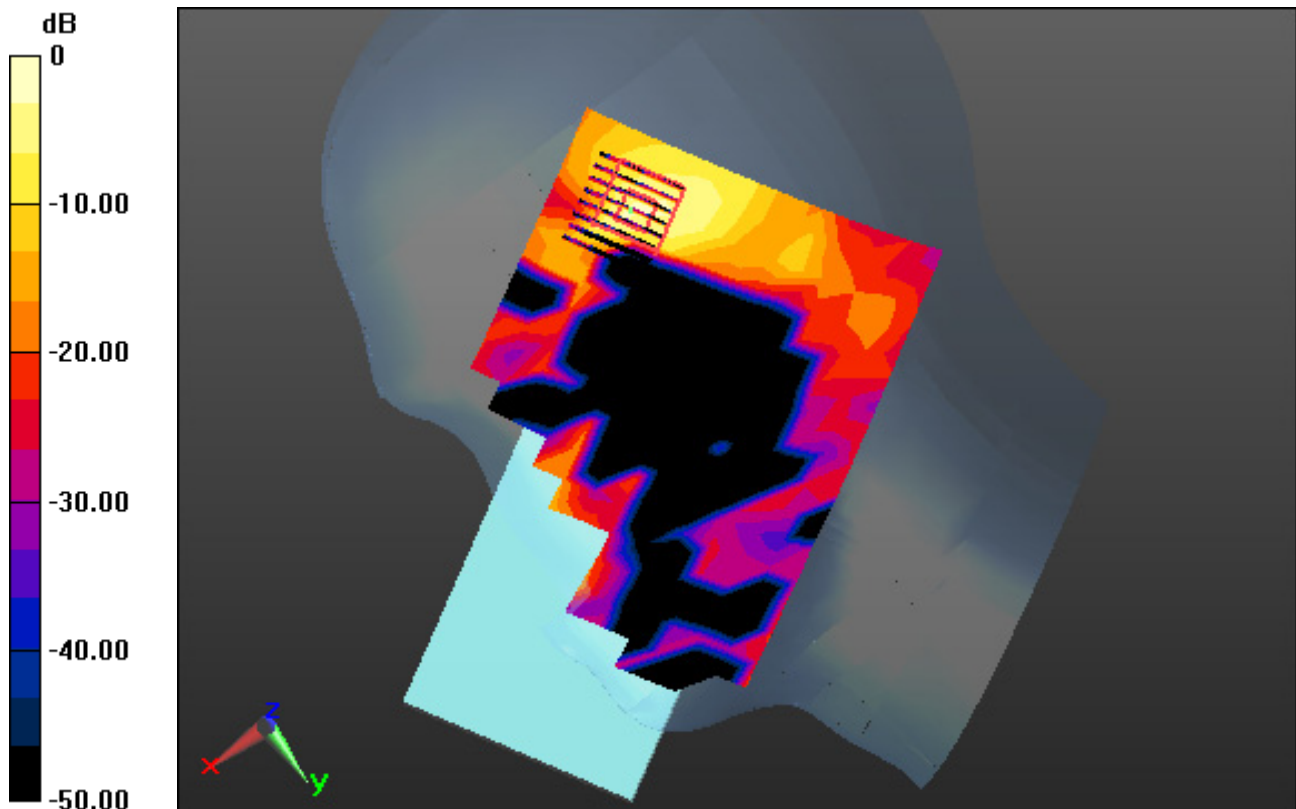
Area Scan (13x21x1): Measurement grid: dx=10mm, dy=10mm

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

Power Drift = 0.05 dB

Peak SAR (extrapolated) = 1.17 W/kg

SAR(1 g) = 0.234 W/kg; SAR(10 g) = 0.057 W/kg



0 dB = 0.755 W/kg

DT&C Co., Ltd.

DUT: VF550; Type: Bar

Communication System: UID 0, W-LAN_5800 (0); Frequency: 5745 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5745 \text{ MHz}$; $\sigma = 5.279 \text{ S/m}$; $\epsilon_r = 34.956$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(4.75, 4.75, 4.75) @ 5745 MHz; 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: 2020-07-09; Ambient Temp: 20.7; Tissue Temp: 20.3

Right Touch, WLAN(802.11a) Ch. 149, Ant Internal, Standard Battery

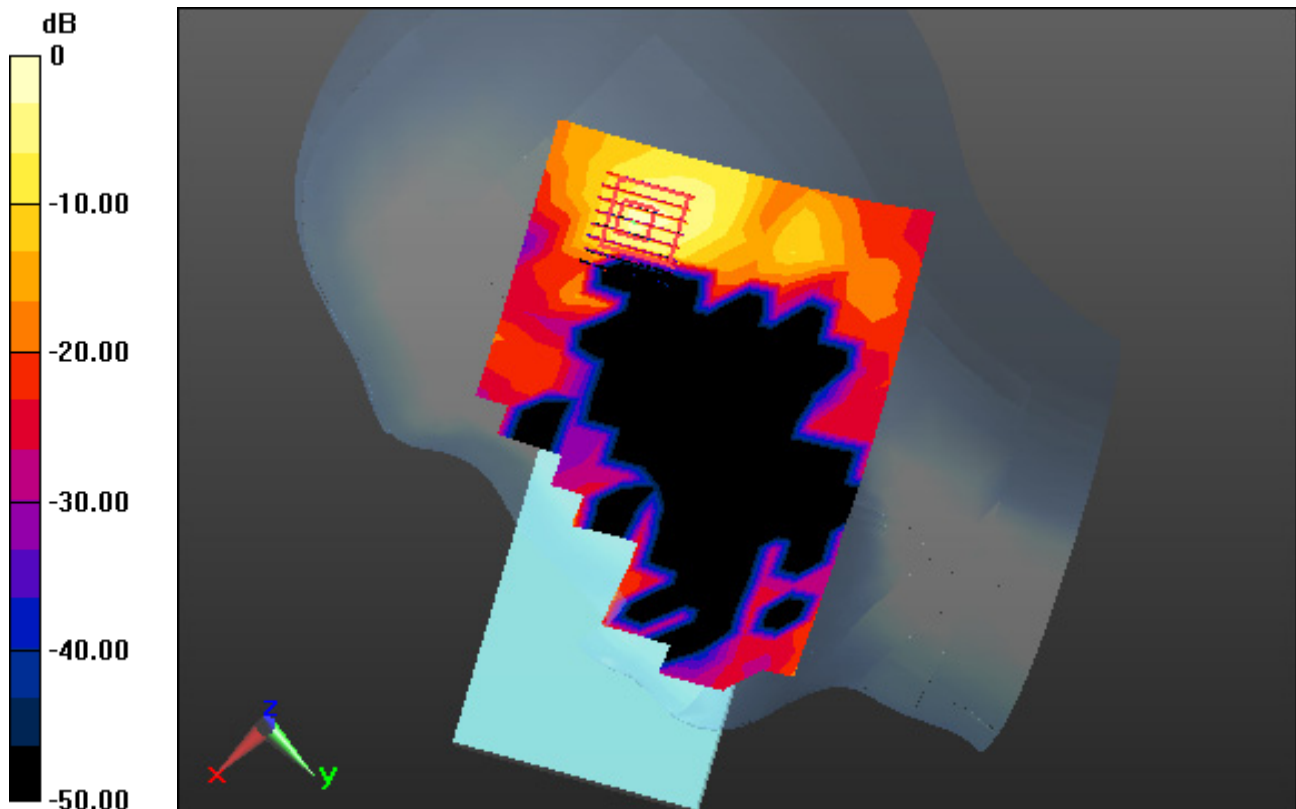
Area Scan (13x21x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

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 = -0.06 dB

Peak SAR (extrapolated) = 2.75 W/kg

SAR(1 g) = 0.230 W/kg; SAR(10 g) = 0.064 W/kg



0 dB = 0.689 W/kg

DT&C Co., Ltd.

DUT: VF550; Type: Bar

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

Medium parameters used: $f = 2441$ MHz; $\sigma = 1.846$ S/m; $\epsilon_r = 38.334$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(7.84, 7.84, 7.84) @ 2441 MHz; 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: 2020-07-06; Ambient Temp: 20.6; Tissue Temp: 20.3

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

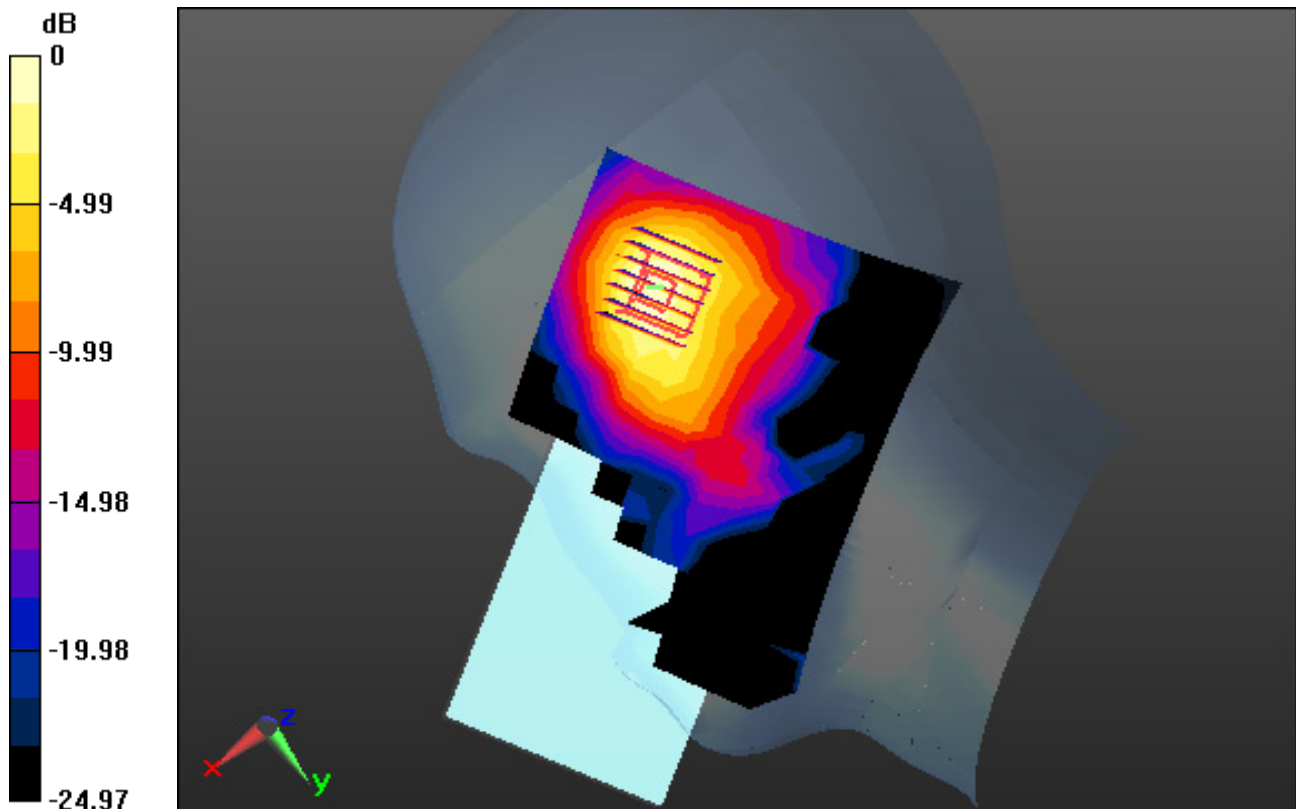
Area Scan (11x17x1): Measurement grid: dx=12mm, dy=12mm

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

Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.186 W/kg

SAR(1 g) = 0.090 W/kg; SAR(10 g) = 0.045 W/kg



0 dB = 0.133 W/kg

DT&C Co., Ltd.

DUT: VF550; Type: Bar

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

Medium parameters used: $f = 836.6$ MHz; $\sigma = 0.921$ S/m; $\epsilon_r = 42.778$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(10.32, 10.32, 10.32) @ 836.6 MHz; 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: 2020-07-17; Ambient Temp: 21.4; Tissue Temp: 20.9

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

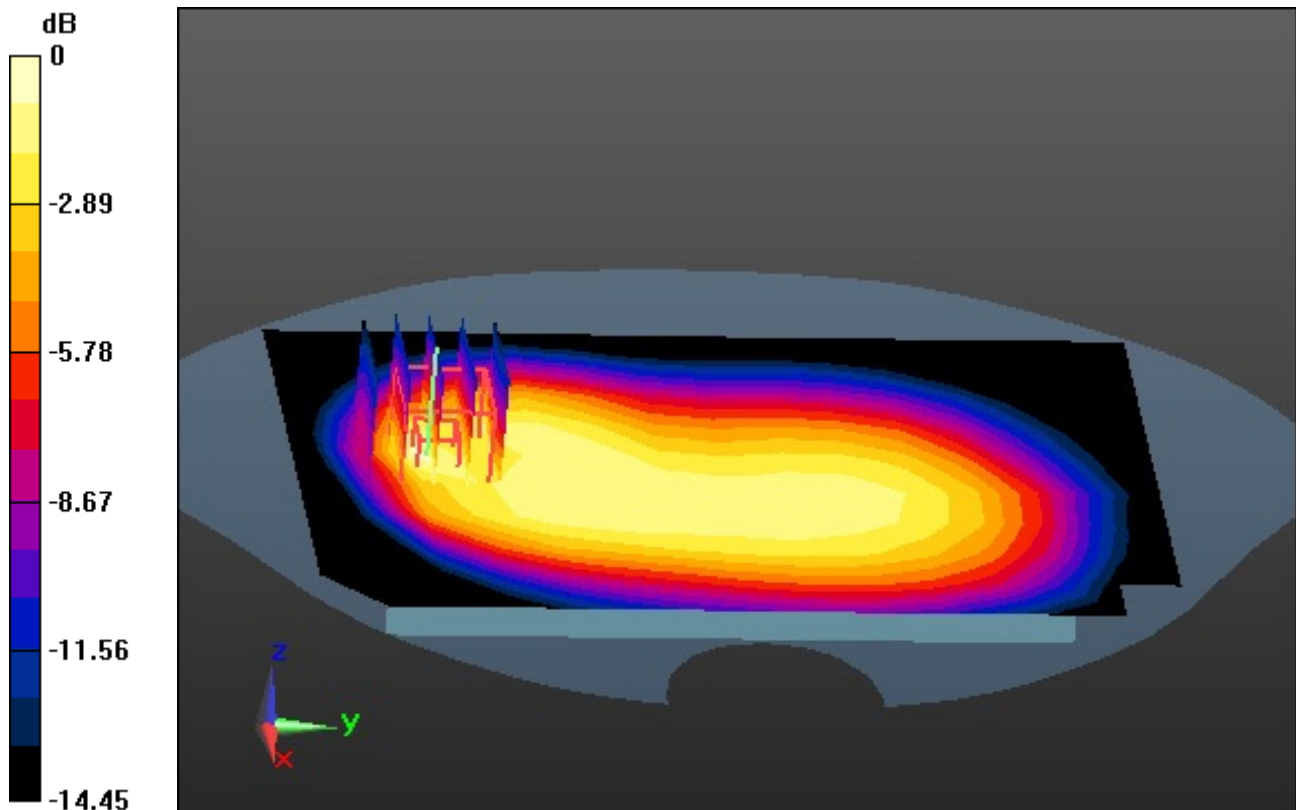
Area Scan (10x15x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.527 W/kg

SAR(1 g) = 0.300 W/kg; SAR(10 g) = 0.171 W/kg



DT&C Co., Ltd.

DUT: VF550; Type: Bar

Communication System: UID 0, GSM 850_10 (0); Frequency: 836.6 MHz; Duty Cycle: 1:4.15

Medium parameters used: $f = 836.6$ MHz; $\sigma = 0.921$ S/m; $\epsilon_r = 42.778$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(10.32, 10.32, 10.32) @ 836.6 MHz; 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: 2020-07-17; Ambient Temp: 21.4; Tissue Temp: 20.9

1 cm space from Body, Rear, GSM850 GPRS 2 Tx Ch. 190, Ant Internal

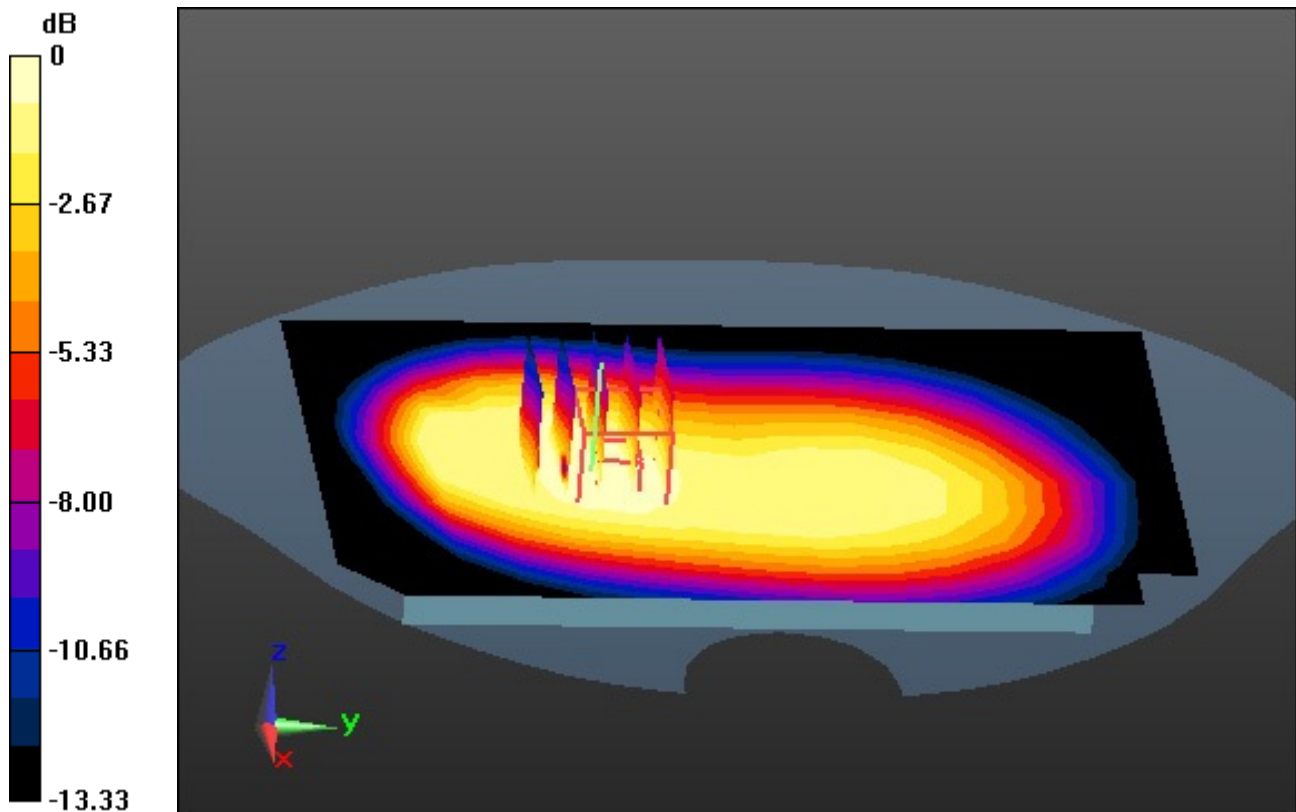
Area Scan (10x15x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.72 W/kg

SAR(1 g) = 0.522 W/kg; SAR(10 g) = 0.364 W/kg



DT&C Co., Ltd.

DUT: VF550; Type: Bar

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.394$ S/m; $\epsilon_r = 40.886$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(8.57, 8.57, 8.57) @ 1880 MHz; 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: 2020-08-11; Ambient Temp: 21.9; Tissue Temp: 21.6

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

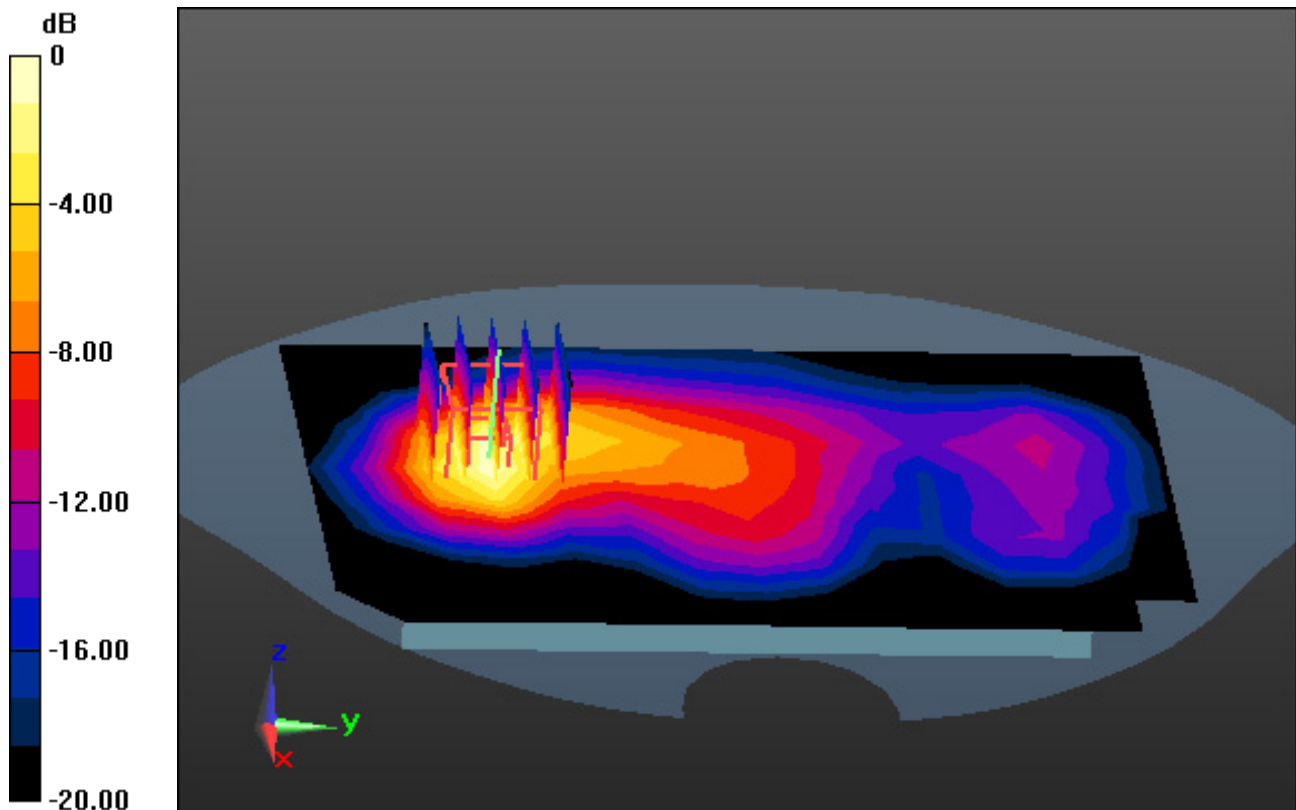
Area Scan (10x15x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.473 W/kg

SAR(1 g) = 0.251 W/kg; SAR(10 g) = 0.128 W/kg



0 dB = 0.366 W/kg

DT&C Co., Ltd.

DUT: VF550; Type: Bar

Communication System: UID 0, PCS1900_Class 12 (0); Frequency: 1880 MHz; Duty Cycle: 1:2.075

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.394$ S/m; $\epsilon_r = 40.886$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(8.57, 8.57, 8.57) @ 1880 MHz; 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: 2020-08-11; Ambient Temp: 21.9; Tissue Temp: 21.6

1 cm space from Body, Rear, PCS1900 GPRS 4 Tx Ch. 661, Ant Internal

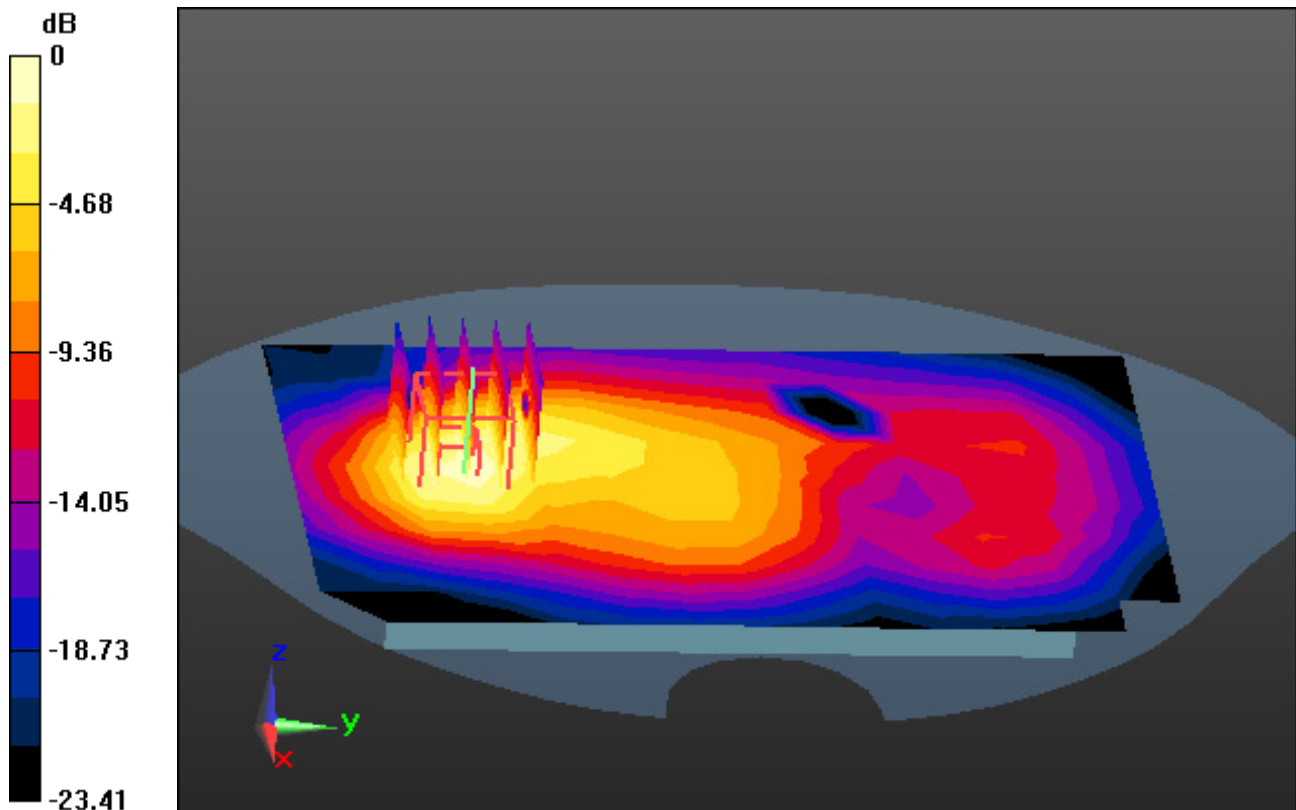
Area Scan (10x15x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.655 W/kg

SAR(1 g) = 0.362 W/kg; SAR(10 g) = 0.195 W/kg



0 dB = 0.498 W/kg

DT&C Co., Ltd.

DUT: VF550; Type: Bar

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

Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.921 \text{ S/m}$; $\epsilon_r = 42.778$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(10.32, 10.32, 10.32) @ 836.6 MHz; 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: 2020-07-17; Ambient Temp: 21.4; Tissue Temp: 20.9

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

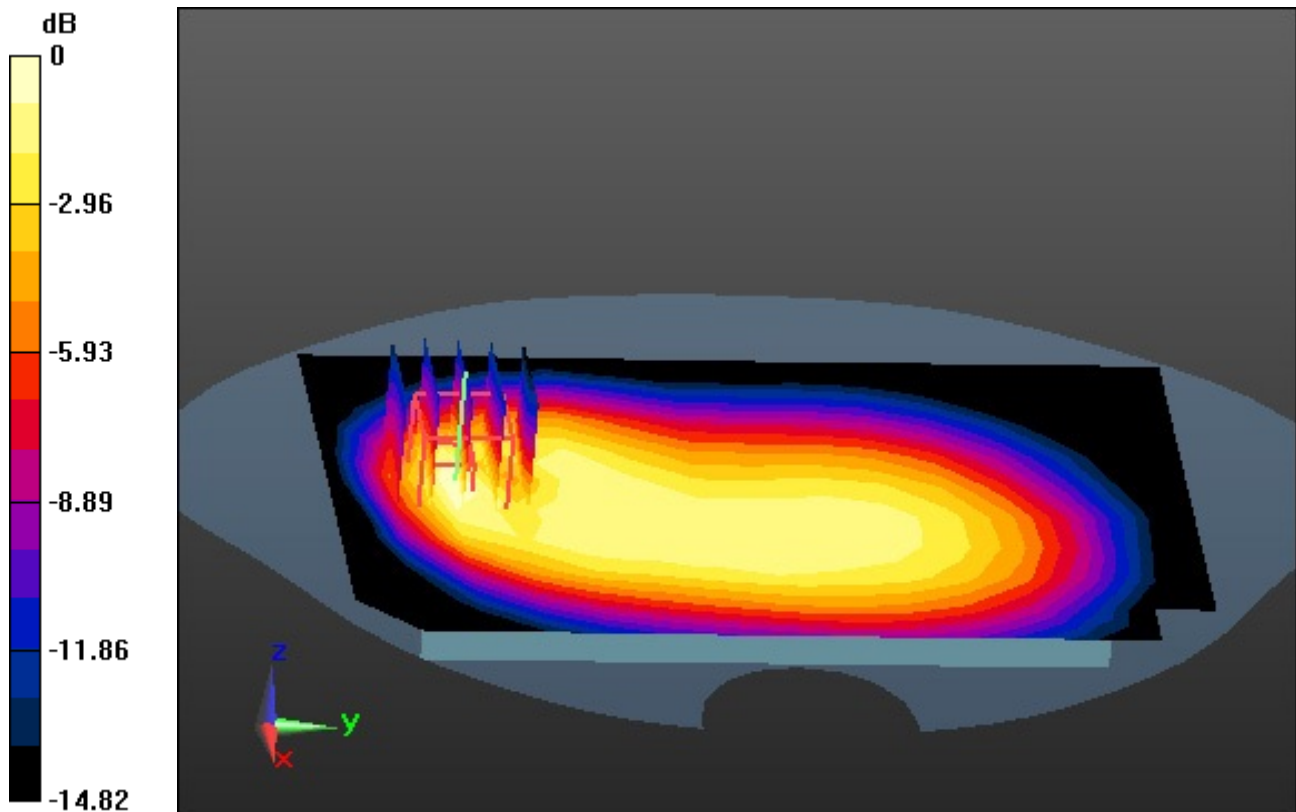
Area Scan (10x15x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.528 W/kg

SAR(1 g) = 0.305 W/kg; SAR(10 g) = 0.171 W/kg



0 dB = 0.429 W/kg

DT&C Co., Ltd.

DUT: VF550; Type: Bar

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.394$ S/m; $\epsilon_r = 40.886$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(8.57, 8.57, 8.57) @ 1880 MHz; 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: 2020-08-11; Ambient Temp: 21.9; Tissue Temp: 21.6

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

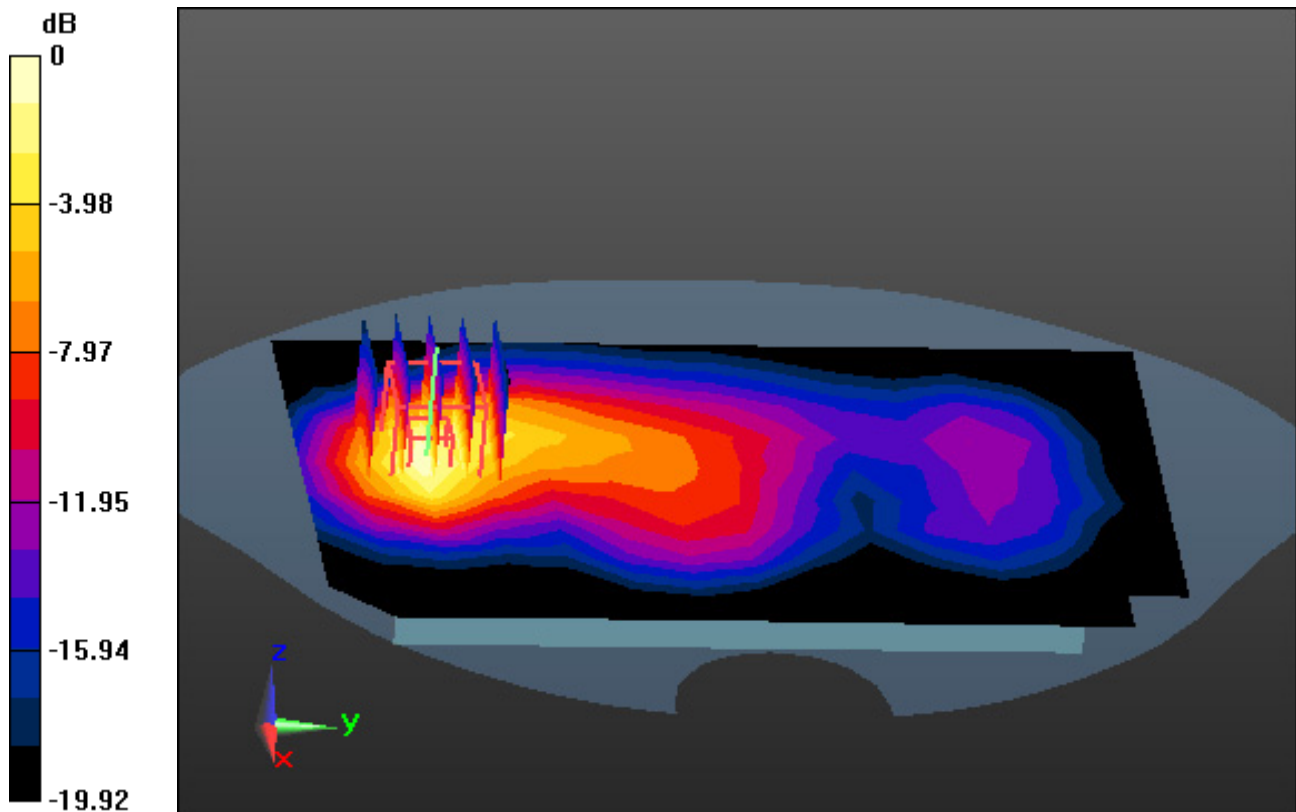
Area Scan (10x15x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.976 W/kg

SAR(1 g) = 0.524 W/kg; SAR(10 g) = 0.270 W/kg



0 dB = 0.758 W/kg

DT&C Co., Ltd.

DUT: VF550; Type: Bar

Communication System: UID 0, LTE Band 4 (0); Frequency: 1732.5 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.329$ S/m; $\epsilon_r = 40.767$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(8.87, 8.87, 8.87) @ 1732.5 MHz; 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: 2020-08-12; Ambient Temp: 21.7; Tissue Temp: 21.5

1 cm space from Body, Rear, LTE Band 4 Ch. 20175, Ant Internal

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

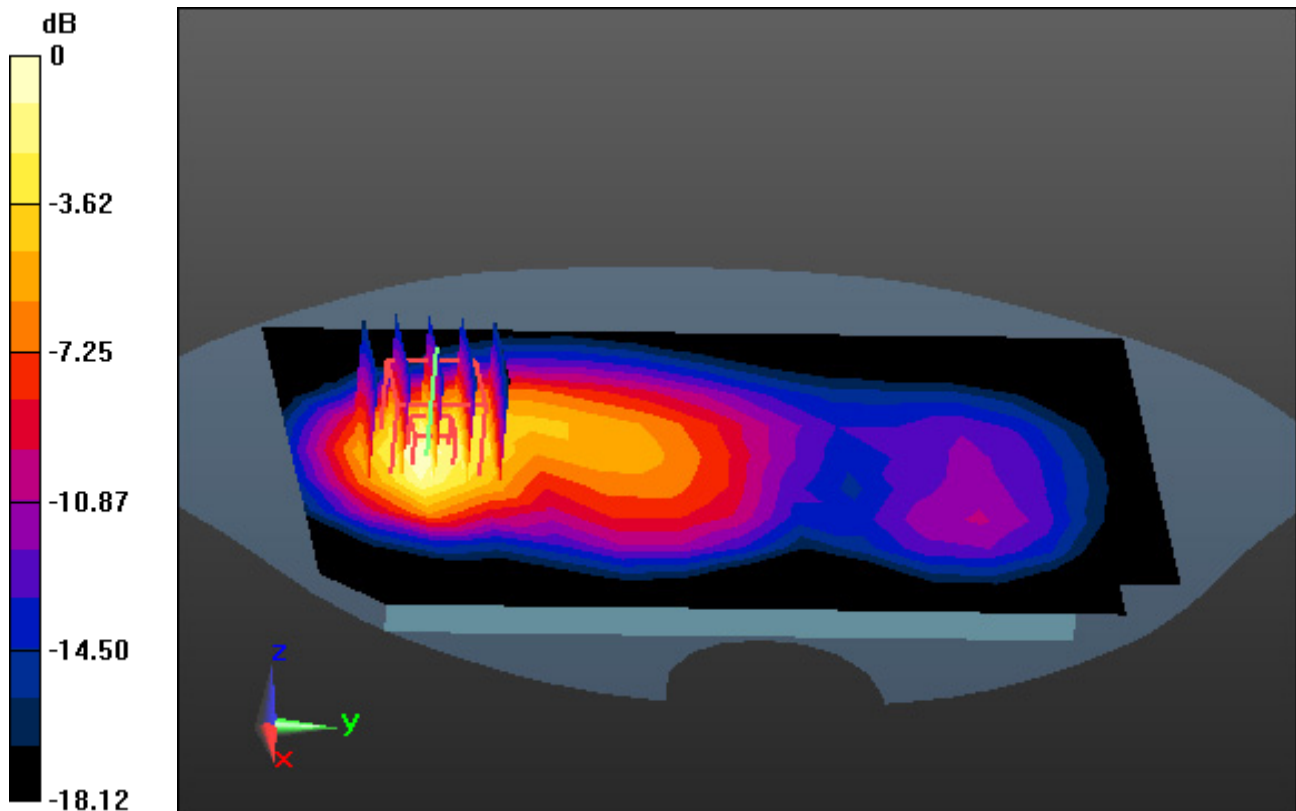
Area Scan (10x15x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.18 dB

Peak SAR (extrapolated) = 1.54 W/kg

SAR(1 g) = 0.875 W/kg; SAR(10 g) = 0.471 W/kg



0 dB = 1.21 W/kg

DT&C Co., Ltd.

DUT: VF550; Type: Bar

Communication System: UID 0, LTE Band 2 (0); Frequency: 1860 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1860 \text{ MHz}$; $\sigma = 1.38 \text{ S/m}$; $\epsilon_r = 40.953$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(8.57, 8.57, 8.57) @ 1860 MHz; 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: 2020-08-11; Ambient Temp: 21.9; Tissue Temp: 21.6

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

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

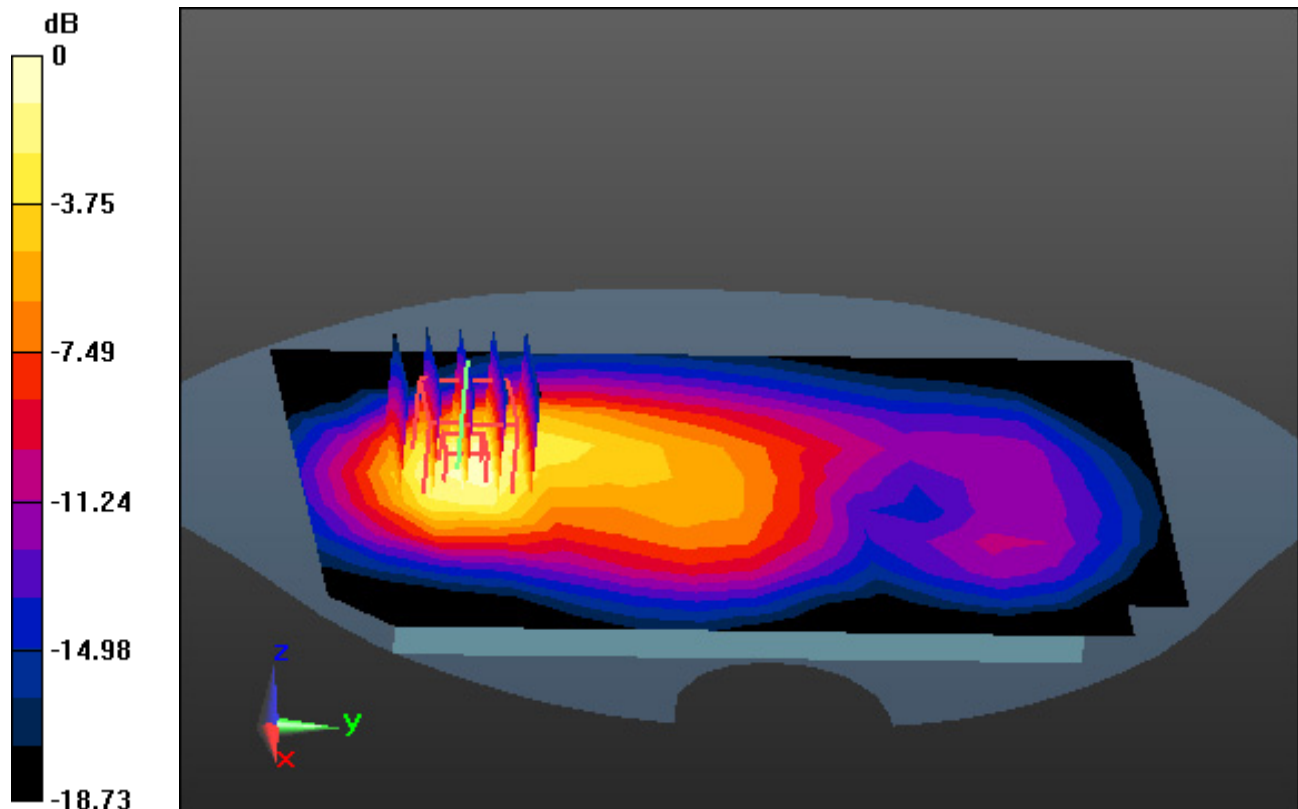
Area Scan (10x15x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.09 dB

Peak SAR (extrapolated) = 1.05 W/kg

SAR(1 g) = 0.584 W/kg; SAR(10 g) = 0.314 W/kg



0 dB = 0.822 W/kg

DT&C Co., Ltd.

DUT: VF550; Type: Bar

Communication System: UID 0, LTE Band 7(FCC) (0); Frequency: 2510 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2510$ MHz; $\sigma = 1.923$ S/m; $\epsilon_r = 38.132$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(7.62, 7.62, 7.62) @ 2510 MHz; 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: 2020-08-13; Ambient Temp: 21.1; Tissue Temp: 20.4

1 cm space from Body, Rear, LTE Band 7 Ch. 20850, Ant Internal

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

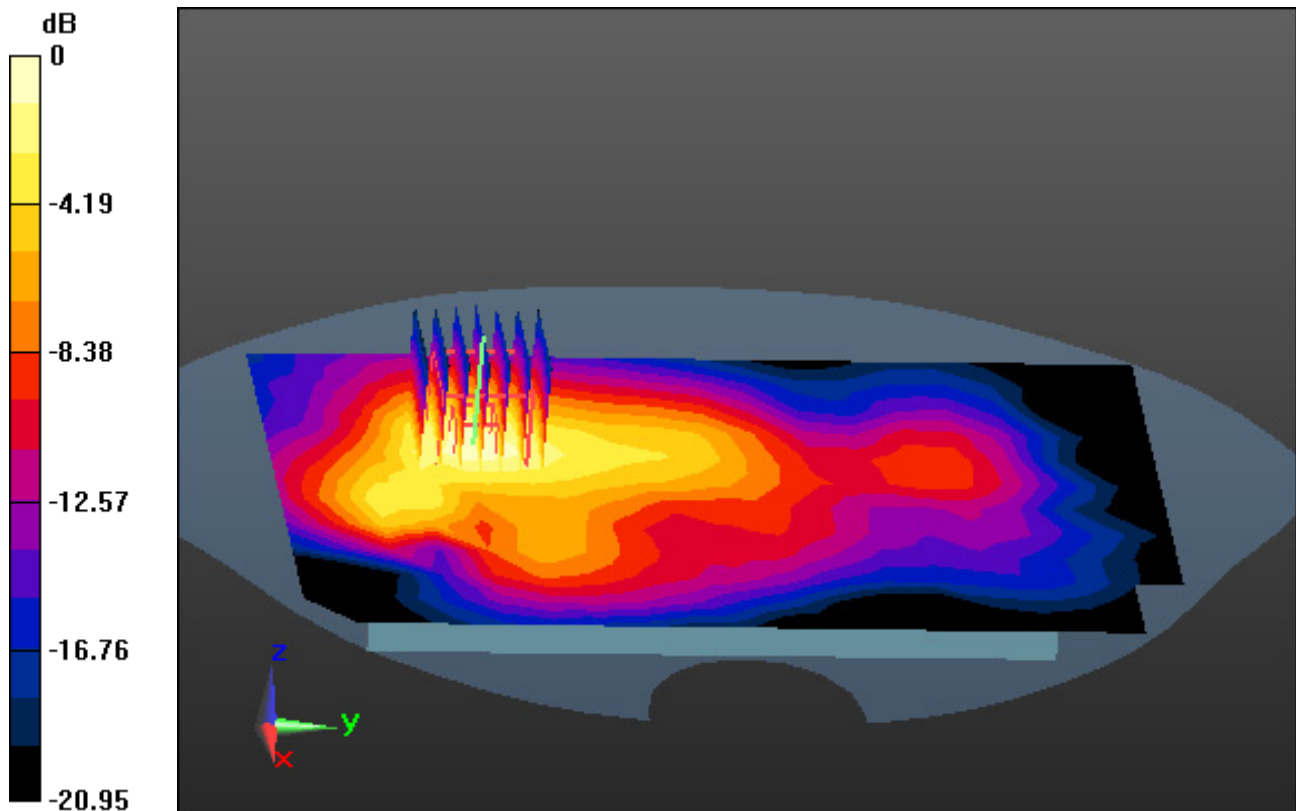
Area Scan (12x19x1): Measurement grid: dx=12mm, dy=12mm

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

Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.806 W/kg

SAR(1 g) = 0.411 W/kg; SAR(10 g) = 0.211 W/kg



0 dB = 0.603 W/kg

DT&C Co., Ltd.

DUT: VF550; Type: Bar

Communication System: UID 0, 2.4 GHz W-LAN (0); Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2437 \text{ MHz}$; $\sigma = 1.841 \text{ S/m}$; $\epsilon_r = 38.35$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(7.84, 7.84, 7.84) @ 2437 MHz; 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: 2020-07-06; Ambient Temp: 20.6; Tissue Temp: 20.3

1 cm space from Body, Front, WLAN(802.11b) Ch. 6, Ant Internal

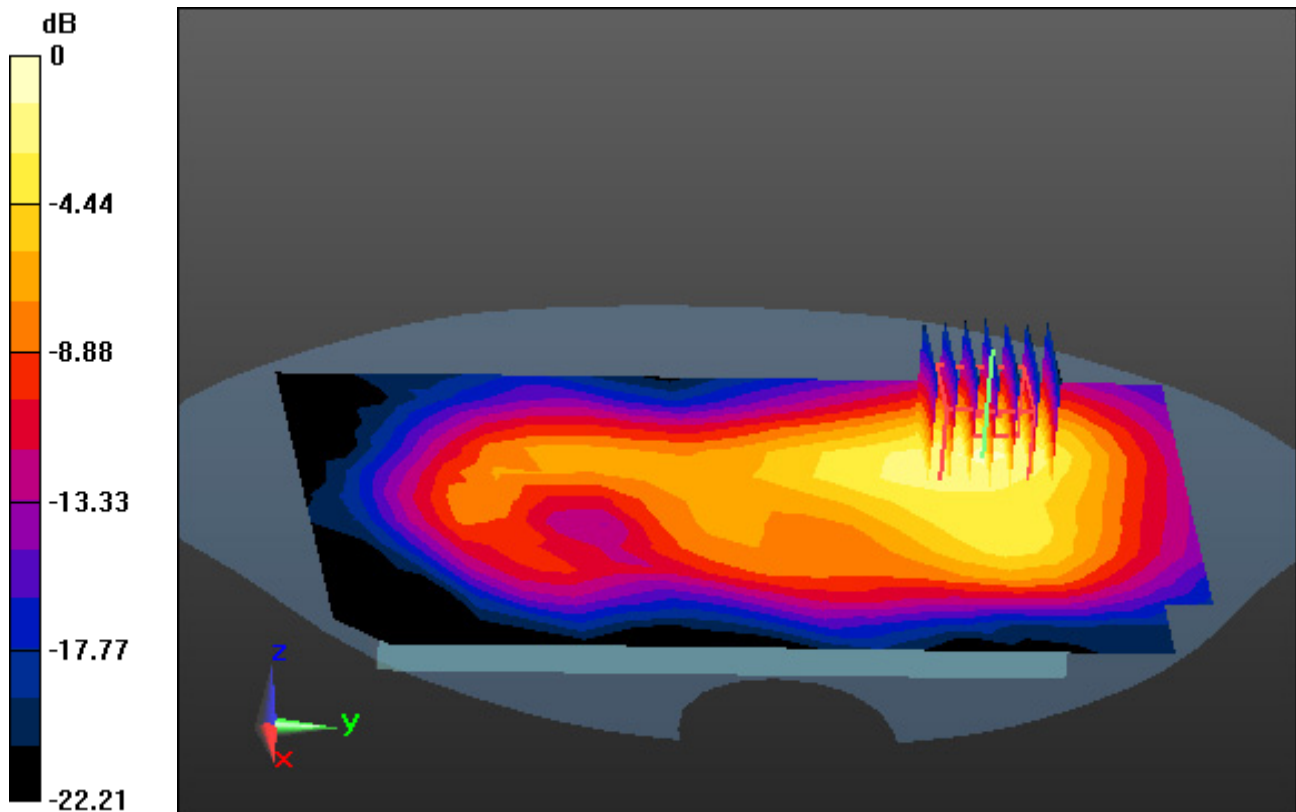
Area Scan (12x19x1): Measurement grid: $dx=12\text{mm}$, $dy=12\text{mm}$

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

Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.410 W/kg

SAR(1 g) = 0.213 W/kg; SAR(10 g) = 0.114 W/kg



0 dB = 0.384 W/kg

DT&C Co., Ltd.

DUT: VF550; Type: Bar

Communication System: UID 0, W-LAN_5300 (0); Frequency: 5260 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5260$ MHz; $\sigma = 4.748$ S/m; $\epsilon_r = 35.686$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(5.1, 5.1, 5.1) @ 5260 MHz; 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: 2020-07-07; Ambient Temp: 20.8; Tissue Temp: 20.2

1 cm space from Body, Rear, WLAN(802.11a) Ch. 52, Ant Internal

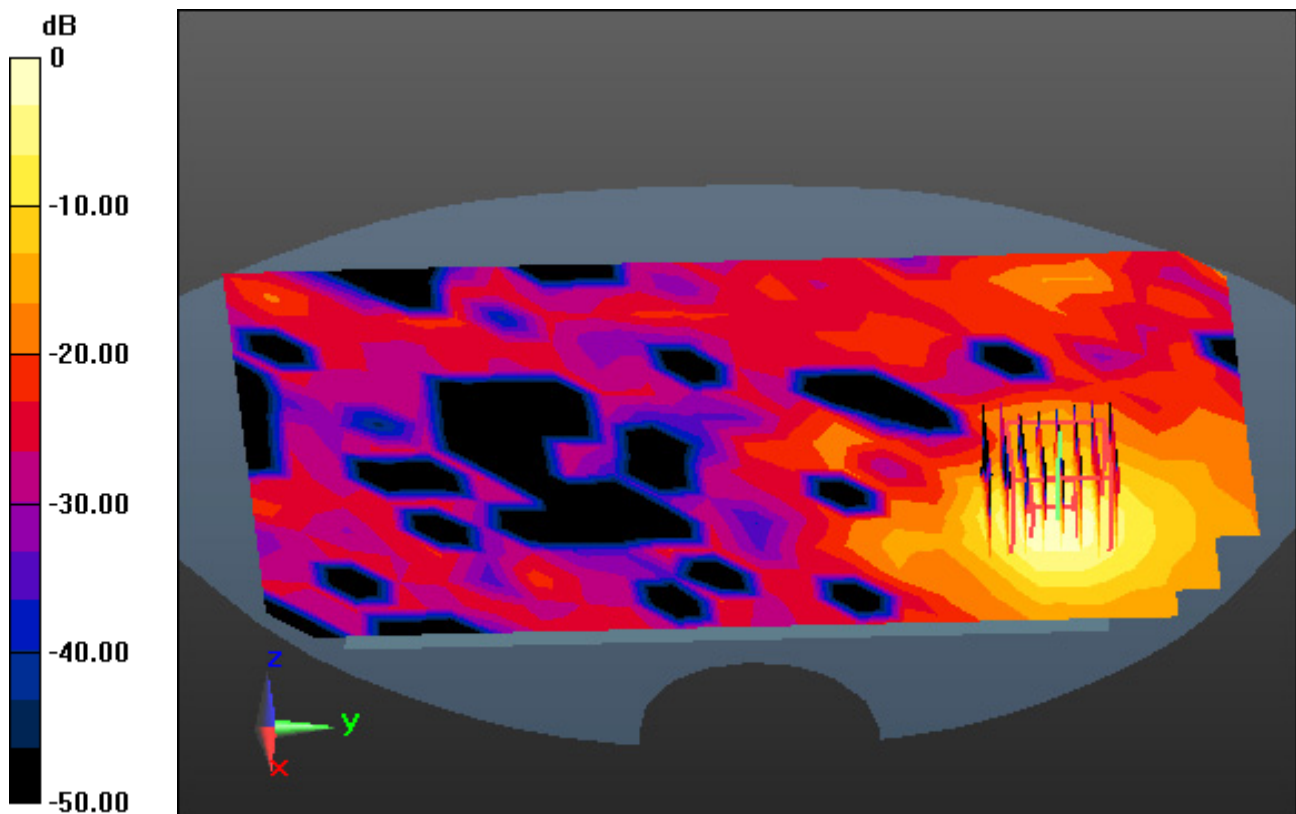
Area Scan (15x23x1): Measurement grid: dx=10mm, dy=10mm

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

Power Drift = -0.19 dB

Peak SAR (extrapolated) = 0.713 W/kg

SAR(1 g) = 0.198 W/kg; SAR(10 g) = 0.066 W/kg



0 dB = 0.448 W/kg

DT&C Co., Ltd.

DUT: VF550; Type: Bar

Communication System: UID 0, W-LAN_5600 (0); Frequency: 5720 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5720$ MHz; $\sigma = 5.052$ S/m; $\epsilon_r = 34.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(4.75, 4.75, 4.75) @ 5720 MHz; 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: 2020-07-08; Ambient Temp: 20.5; Tissue Temp: 20.1

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

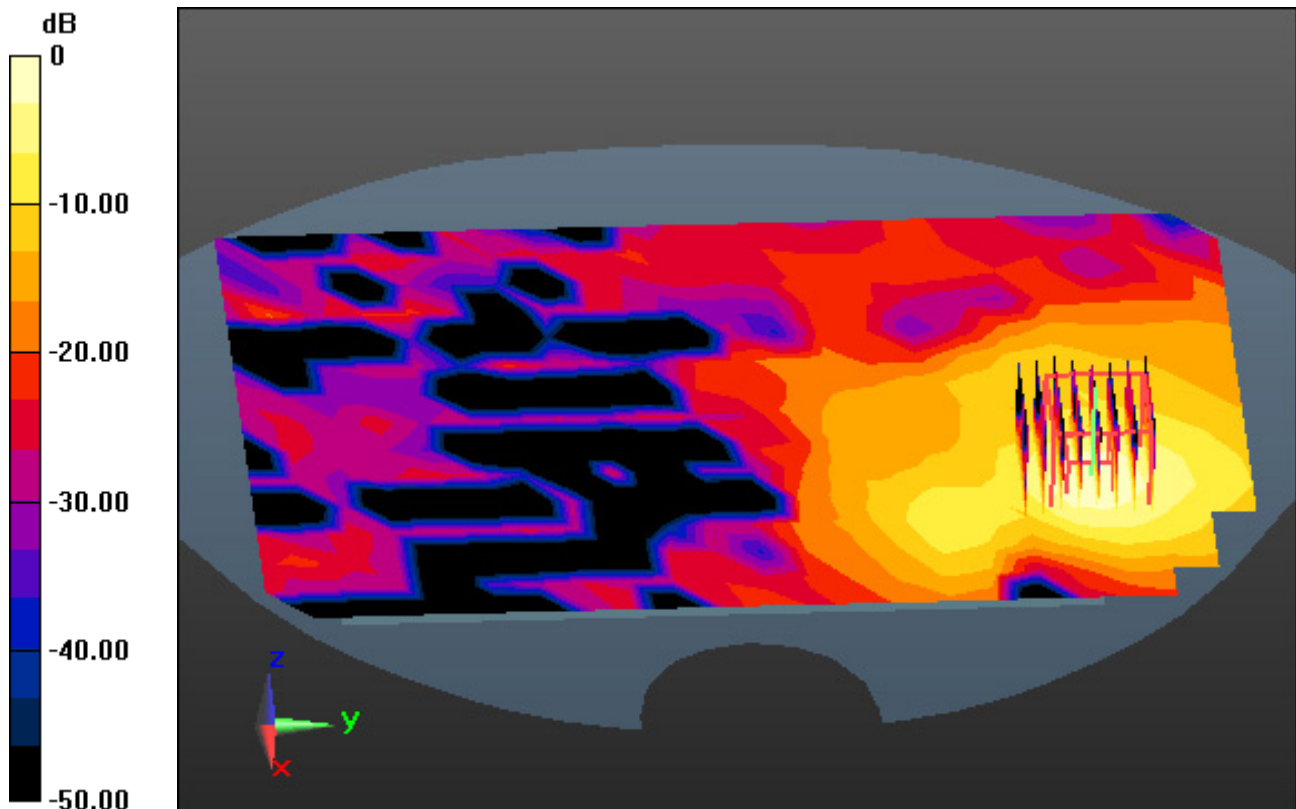
Area Scan (15x23x1): Measurement grid: dx=10mm, dy=10mm

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

Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.10 W/kg

SAR(1 g) = 0.281 W/kg; SAR(10 g) = 0.098 W/kg



0 dB = 0.645 W/kg

DT&C Co., Ltd.

DUT: VF550; Type: Bar

Communication System: UID 0, W-LAN_5800 (0); Frequency: 5745 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5745 \text{ MHz}$; $\sigma = 5.279 \text{ S/m}$; $\epsilon_r = 34.956$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(4.75, 4.75, 4.75) @ 5745 MHz; 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: 2020-07-09; Ambient Temp: 20.7; Tissue Temp: 20.3

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

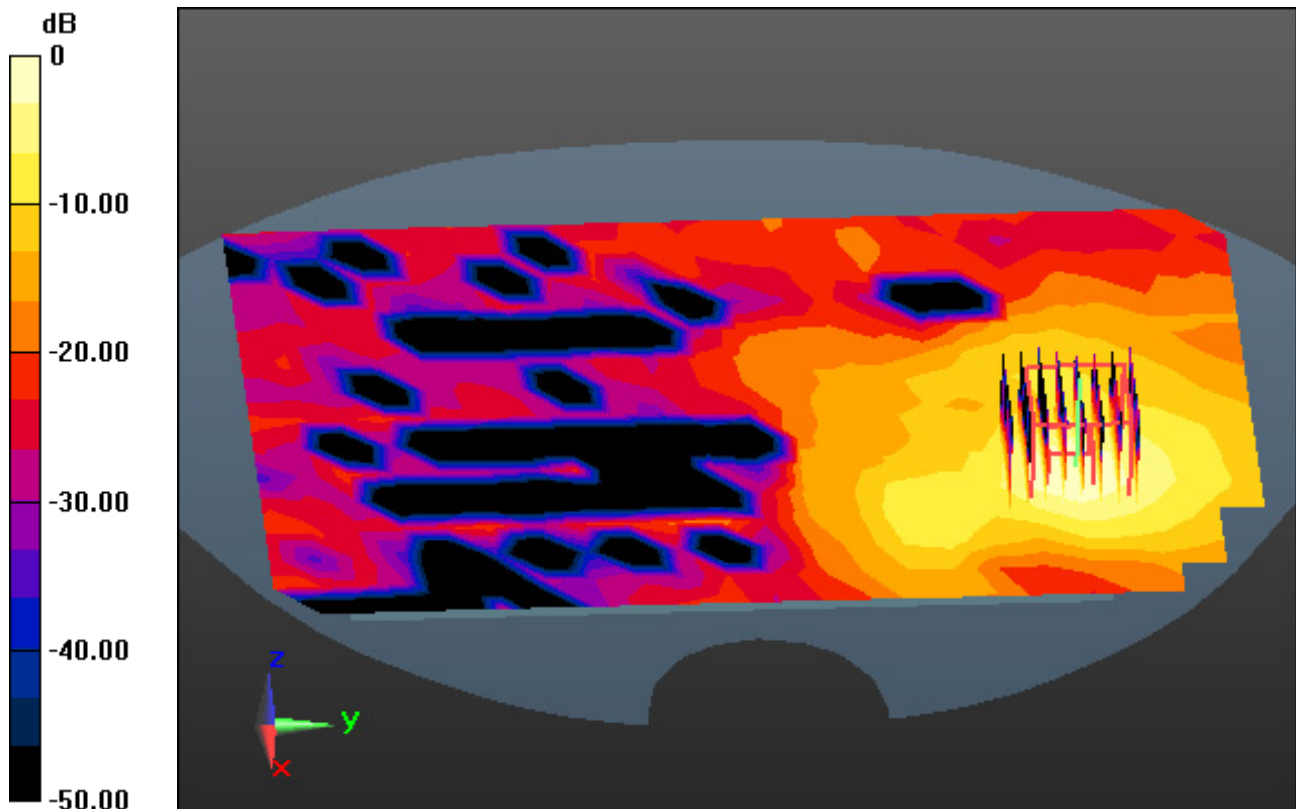
Area Scan (15x23x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

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 = 0.05 dB

Peak SAR (extrapolated) = 1.07 W/kg

SAR(1 g) = 0.263 W/kg; SAR(10 g) = 0.093 W/kg



0 dB = 0.615 W/kg

DT&C Co., Ltd.

DUT: VF550; Type: Bar

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

Medium parameters used: $f = 2441$ MHz; $\sigma = 1.846$ S/m; $\epsilon_r = 38.334$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(7.84, 7.84, 7.84) @ 2441 MHz; 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: 2020-07-06; Ambient Temp: 20.6; Tissue Temp: 20.3

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

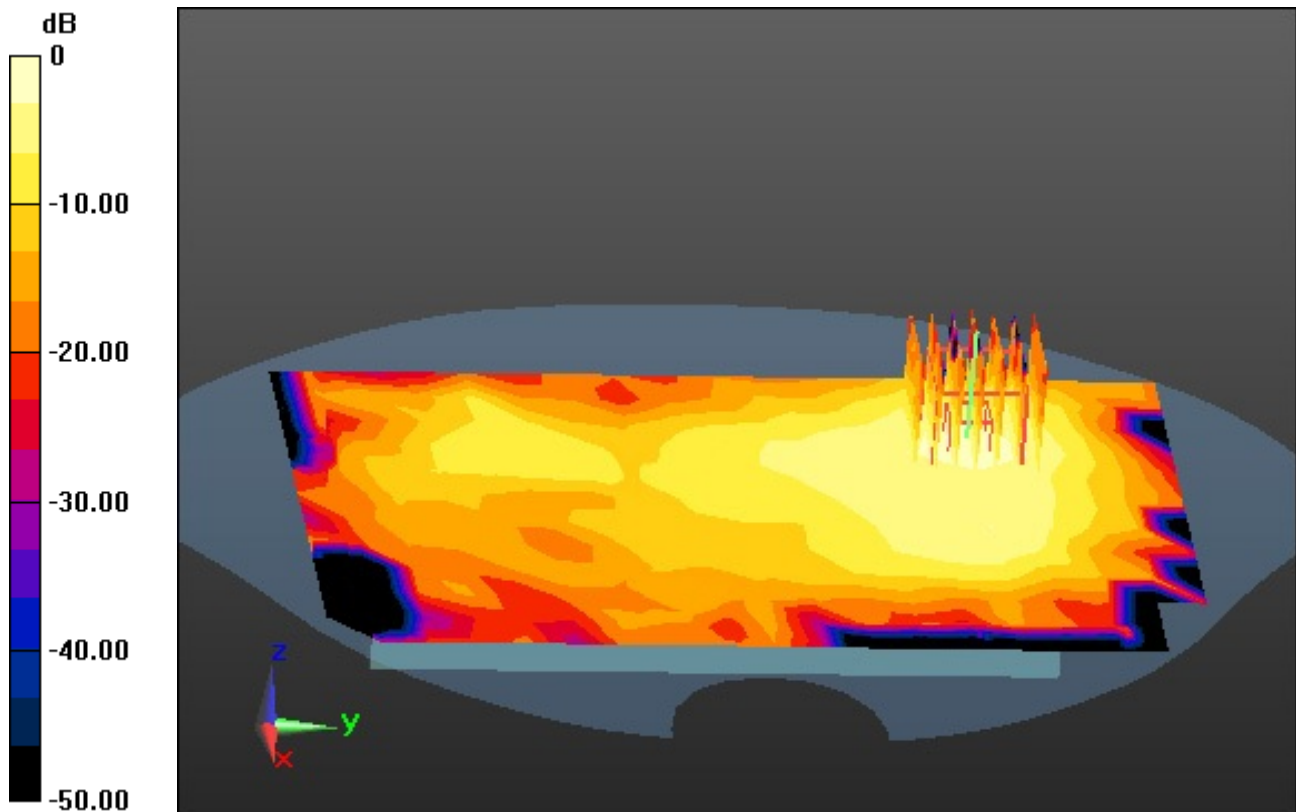
Area Scan (12x19x1): Measurement grid: dx=12mm, dy=12mm

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

Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.0360 W/kg

SAR(1 g) = 0.018 W/kg; SAR(10 g) = 0.00891 W/kg



0 dB = 0.0396 W/kg

DT&C Co., Ltd.

DUT: VF550; Type: Bar

Communication System: UID 0, 2.4 GHz W-LAN (0); Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2437$ MHz; $\sigma = 1.841$ S/m; $\epsilon_r = 38.35$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(7.84, 7.84, 7.84) @ 2437 MHz; 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: 2020-07-06; Ambient Temp: 20.6; Tissue Temp: 20.3

1 cm space from Body, Left, WLAN(802.11a) Ch. 6, Ant Internal

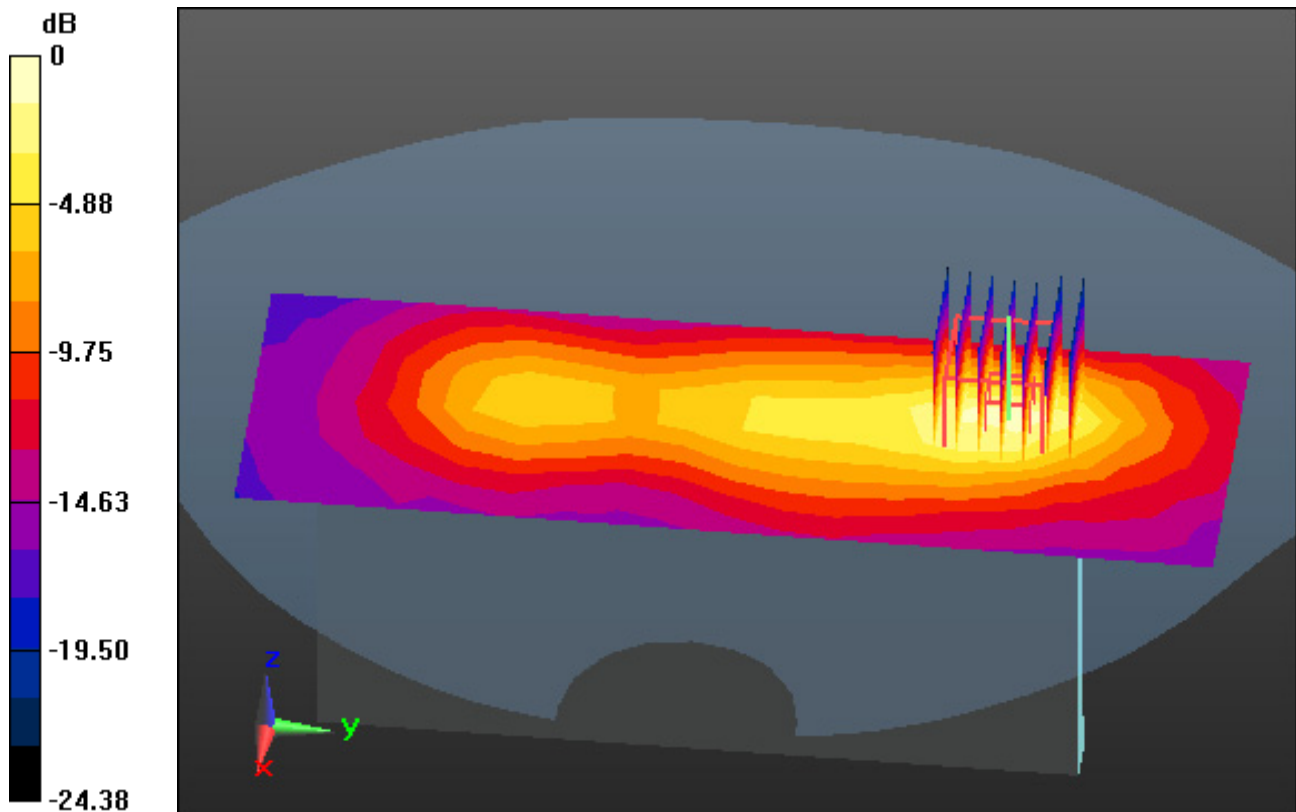
Area Scan (7x19x1): Measurement grid: dx=12mm, dy=12mm

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

Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.551 W/kg

SAR(1 g) = 0.264 W/kg; SAR(10 g) = 0.126 W/kg



0 dB = 0.401 W/kg

DT&C Co., Ltd.

DUT: VF550; Type: Bar

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

Medium parameters used: $f = 2441$ MHz; $\sigma = 1.846$ S/m; $\epsilon_r = 38.334$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(7.84, 7.84, 7.84) @ 2441 MHz; 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: 2020-07-06; Ambient Temp: 20.6; Tissue Temp: 20.3

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

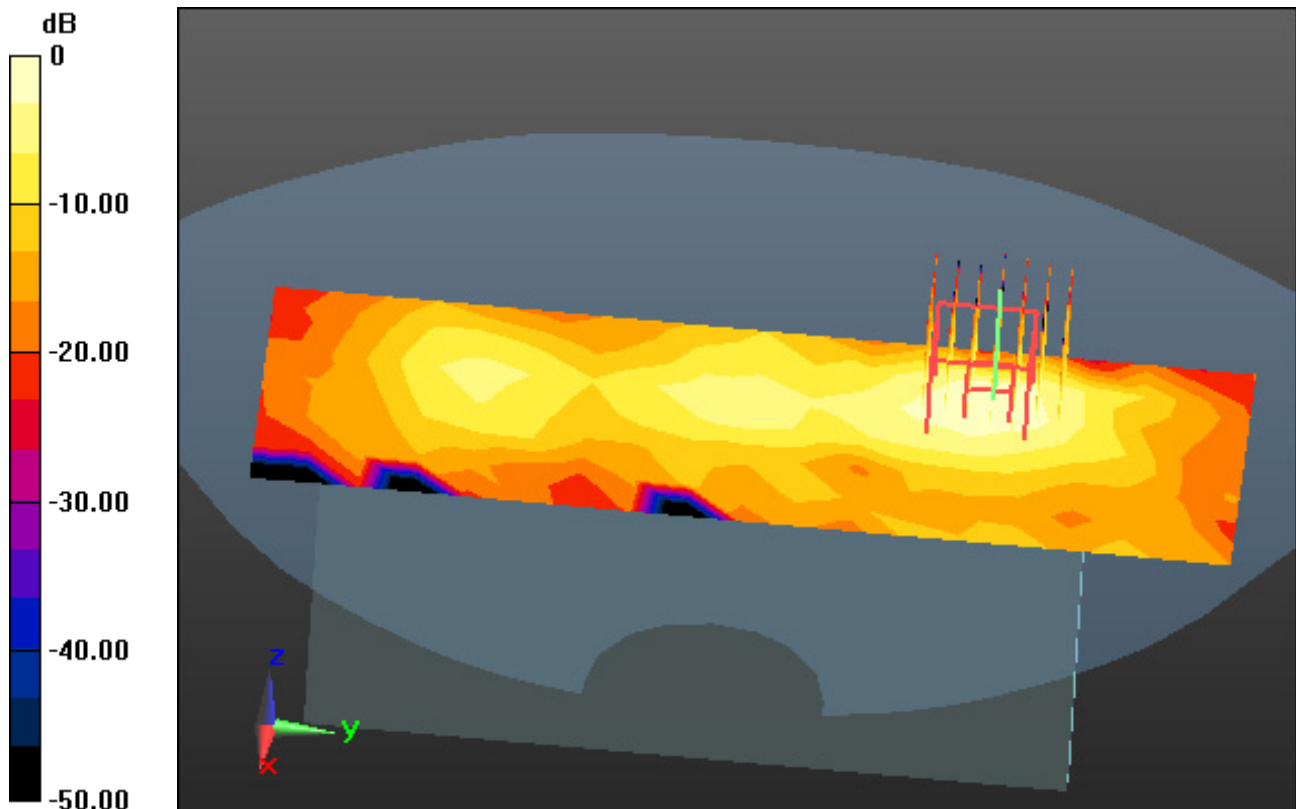
Area Scan (7x19x1): Measurement grid: dx=12mm, dy=12mm

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

Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.0530 W/kg

SAR(1 g) = 0.025 W/kg; SAR(10 g) = 0.011 W/kg



DT&C Co., Ltd.

DUT: VF550; Type: Bar

Communication System: UID 0, W-LAN_5300 (0); Frequency: 5260 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5260$ MHz; $\sigma = 4.748$ S/m; $\epsilon_r = 35.686$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(5.1, 5.1, 5.1) @ 5260 MHz; 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: 2020-07-07; Ambient Temp: 20.8; Tissue Temp: 20.2

Touch from Body, Rear, WLAN(802.11a) Ch. 52, Ant Internal

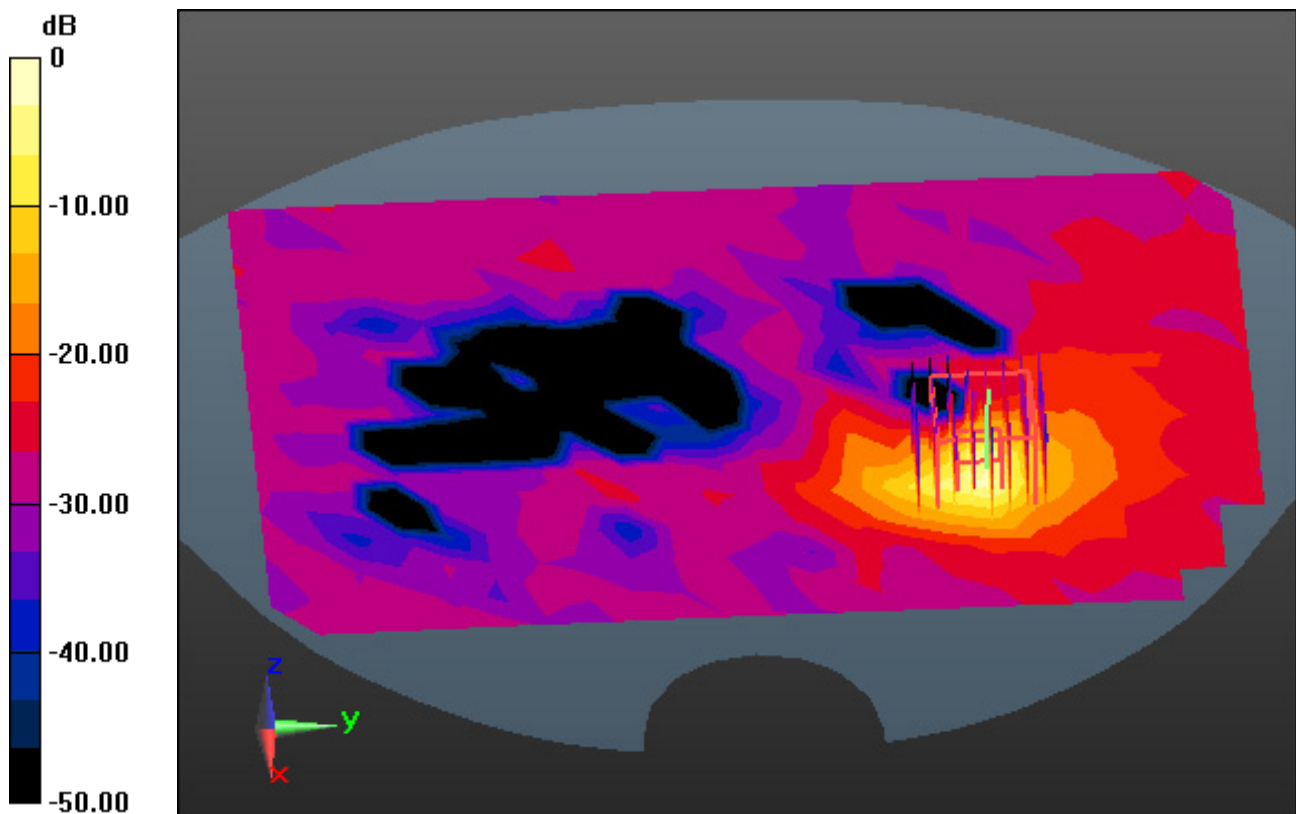
Area Scan (15x23x1): Measurement grid: dx=10mm, dy=10mm

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) = 5.99 W/kg

SAR(1 g) = 1.19 W/kg; SAR(10 g) = 0.249 W/kg



0 dB = 3.17 W/kg

DT&C Co., Ltd.

DUT: VF550; Type: Bar

Communication System: UID 0, W-LAN_5600 (0); Frequency: 5720 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5720$ MHz; $\sigma = 5.052$ S/m; $\epsilon_r = 34.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(4.75, 4.75, 4.75) @ 5720 MHz; 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: 2020-07-08; Ambient Temp: 20.5; Tissue Temp: 20.1

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

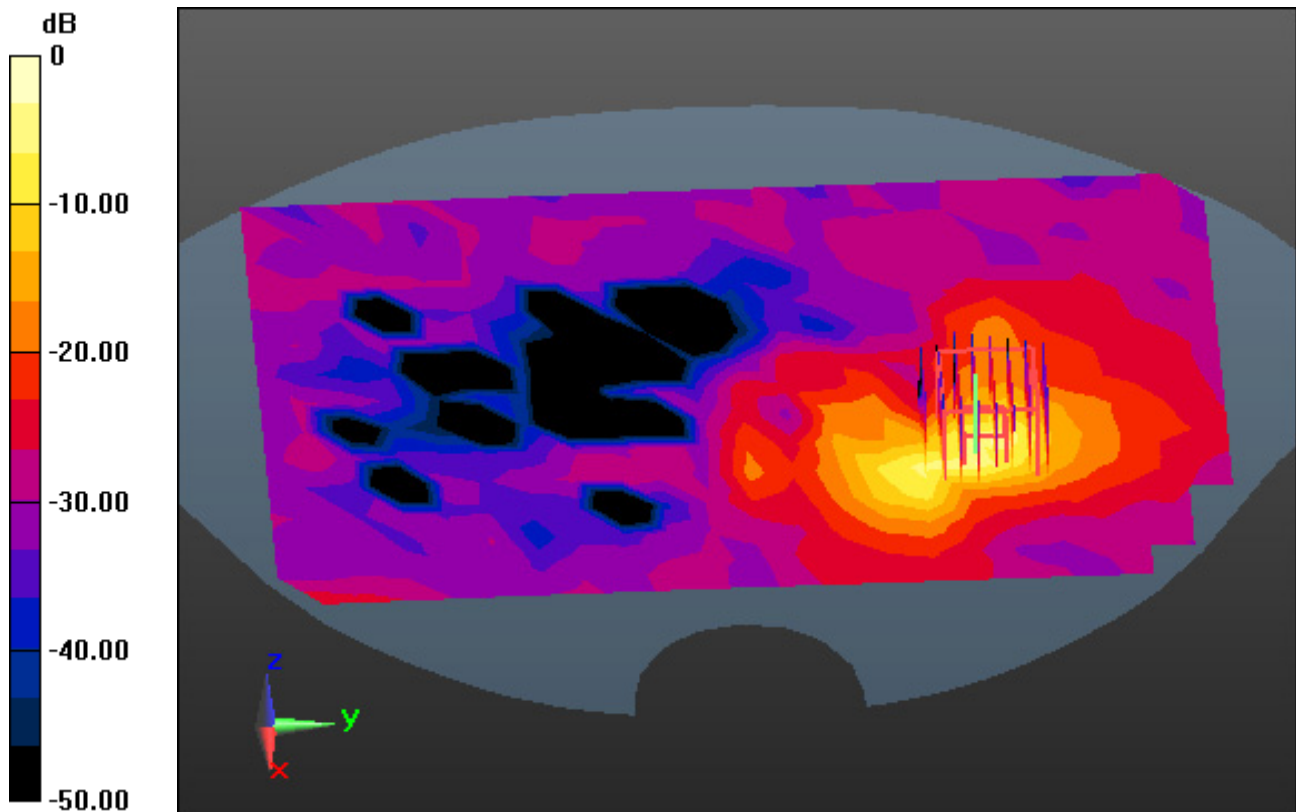
Area Scan (15x23x1): Measurement grid: dx=10mm, dy=10mm

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) = 11.1 W/kg

SAR(1 g) = 1.71 W/kg; SAR(10 g) = 0.330 W/kg



DT&C Co., Ltd.

DUT: VF550; Type: Bar

Communication System: UID 0, W-LAN_5800 (0); Frequency: 5745 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5745 \text{ MHz}$; $\sigma = 5.279 \text{ S/m}$; $\epsilon_r = 34.956$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3933; ConvF(4.75, 4.75, 4.75) @ 5745 MHz; 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: 2020-07-09; Ambient Temp: 20.7; Tissue Temp: 20.3

Touch from Body, Rear, WLAN(802.11a) Ch. 149, Ant Internal

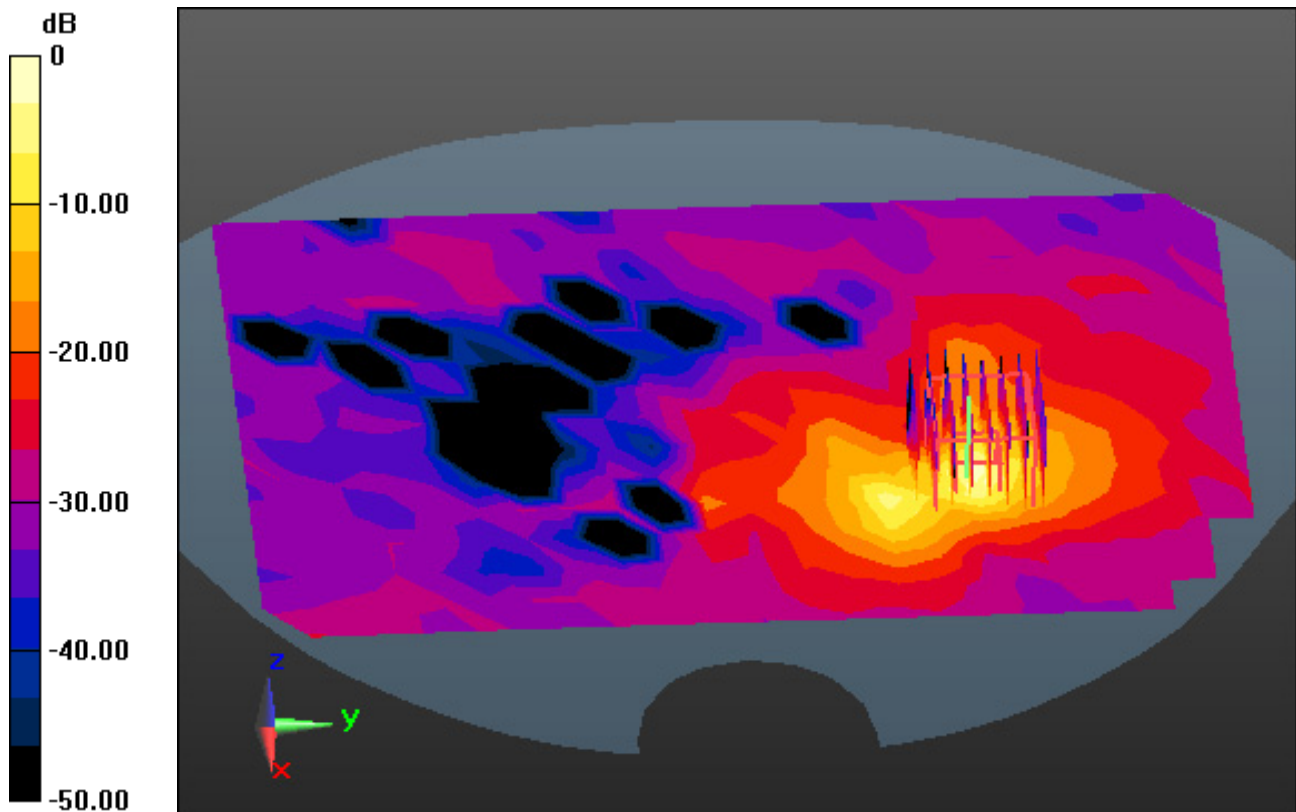
Area Scan (15x23x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

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 = -0.07 dB

Peak SAR (extrapolated) = 9.61 W/kg

SAR(1 g) = 1.6 W/kg; SAR(10 g) = 0.323 W/kg



0 dB = 4.82 W/kg