

SAR Plots

- Verification Plots
- SAR Test Plots

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; $\sigma = 1.385$ S/m; $\epsilon_r = 40.424$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: ES3DV3 - SN3327; ConvF(5.59, 5.59, 5.59) @ 1800 MHz; Calibrated: 2019-08-27 Electronics: DAE4
Sn1392

Sensor-Surface: 3mm (Mechanical Surface Detection)

Phantom: Twin-SAM V5.0 ; Type: QD 000 P40 CD; Serial: 1679

Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-17; Ambient Temp: 22.4; Tissue Temp: 22.8

1800 MHz System Verification (100 mW)

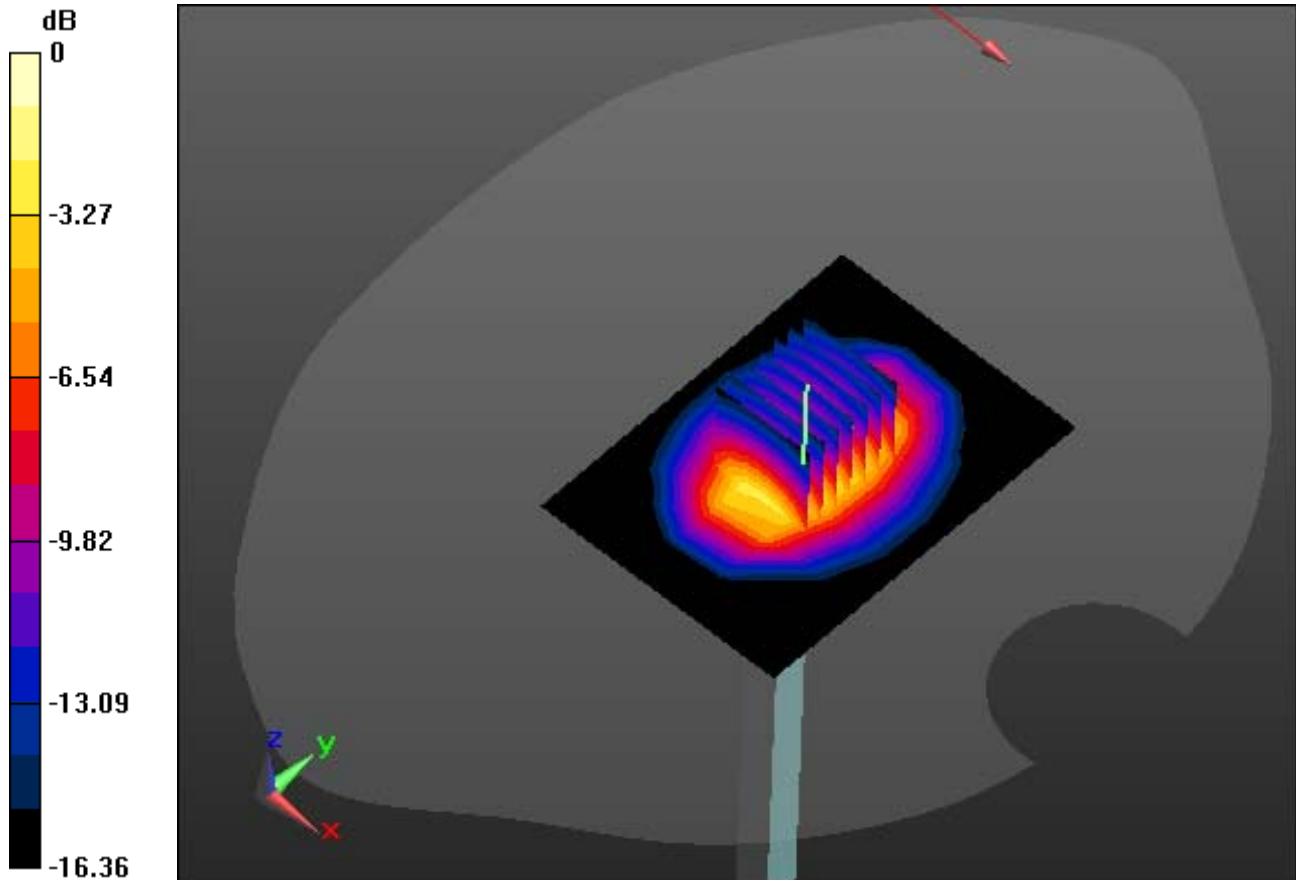
Area Scan (6x8x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.01 dB

Peak SAR (extrapolated) = 6.83 W/kg

SAR(1 g) = 3.81 W/kg; SAR(10 g) = 2.04 W/kg



DT&C Co., Ltd.

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

Communication System: UID 0, CW (0); Frequency: 1900 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1900$ MHz; $\sigma = 1.404$ S/m; $\epsilon_r = 39.636$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: ES3DV3 - SN3327; ConvF(5.34, 5.34, 5.34) @ 1900 MHz; Calibrated: 2019-08-27 Electronics: DAE4 Sn1392

Sensor-Surface: 3mm (Mechanical Surface Detection)

Phantom: Twin-SAM V5.0 ; Type: QD 000 P40 CD; Serial: 1679

Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-20; Ambient Temp: 22.1; Tissue Temp: 22.2

1900 MHz System Verification (100 mW)

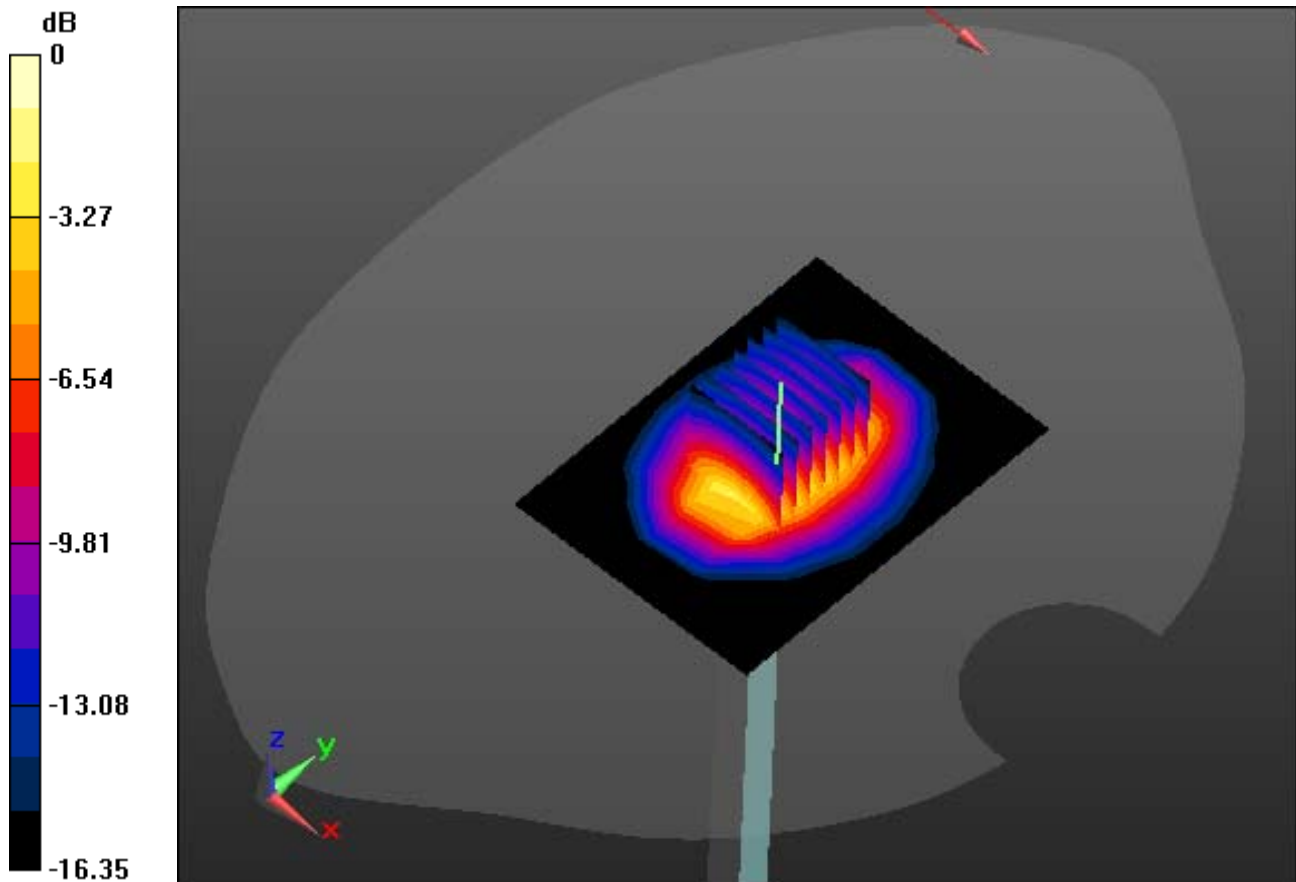
Area Scan (6x8x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.01 dB

Peak SAR (extrapolated) = 7.09 W/kg

SAR(1 g) = 3.96 W/kg; SAR(10 g) = 2.13 W/kg



DT&C Co., Ltd.

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

Communication System: UID 0, CW (0); Frequency: 1900 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1900$ MHz; $\sigma = 1.399$ S/m; $\epsilon_r = 39.92$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

Probe: ES3DV3 - SN3327; ConvF(5.34, 5.34, 5.34) @ 1900 MHz; Calibrated: 2019-08-27 Electronics: DAE4 Sn1392

Sensor-Surface: 3mm (Mechanical Surface Detection)

Phantom: Twin-SAM V5.0 ; Type: QD 000 P40 CD; Serial: 1679

Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-24; Ambient Temp: 22.1; Tissue Temp: 22.3

1900 MHz System Verification (100 mW)

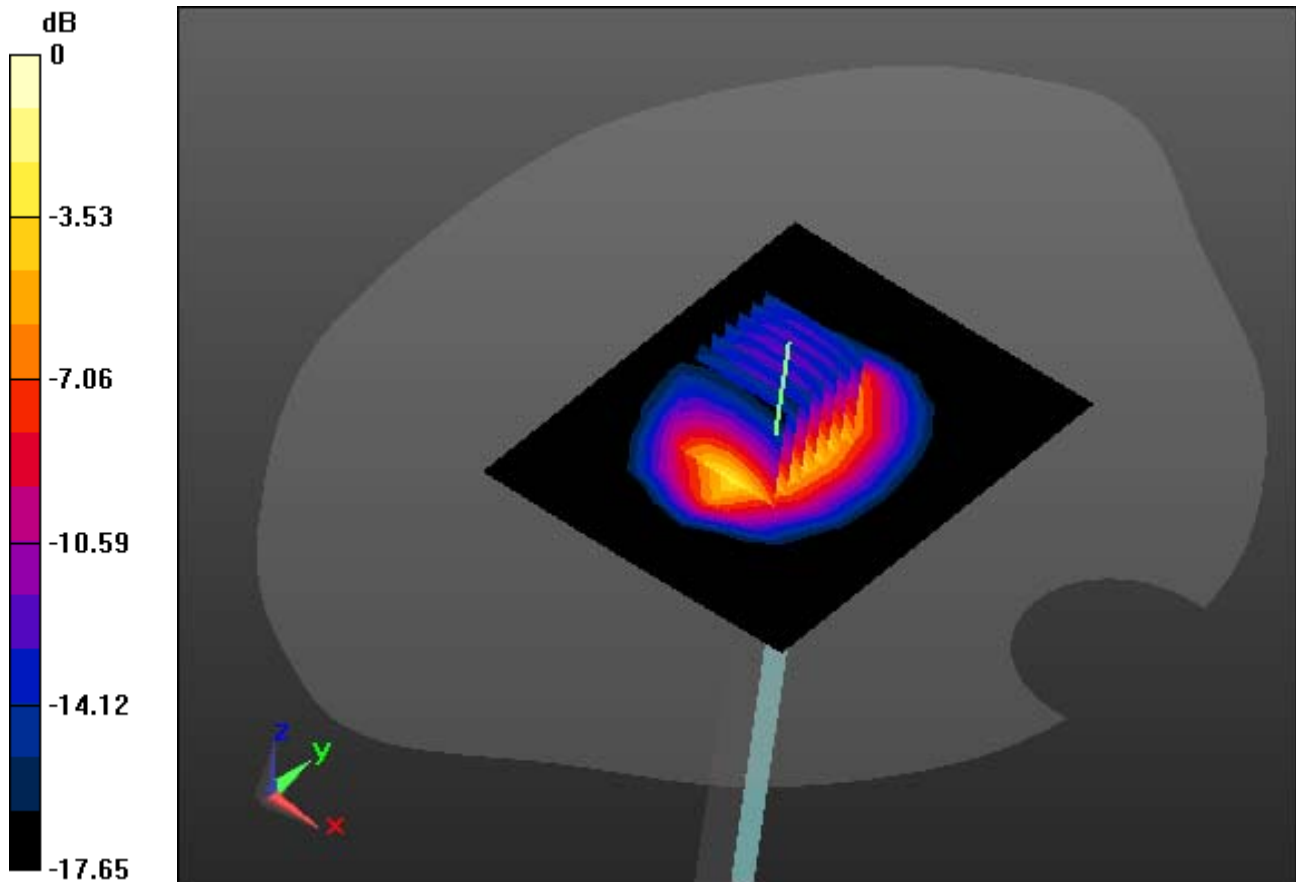
Area Scan (6x7x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.01 dB

Peak SAR (extrapolated) = 7.67 W/kg

SAR(1 g) = 4.21 W/kg; SAR(10 g) = 2.17 W/kg



0 dB = 5.35 W/kg

DT&C Co., Ltd.

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

Communication System: UID 0, CW (0); Frequency: 2450 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2450$ MHz; $\sigma = 1.806$ S/m; $\epsilon_r = 38.957$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3930; ConvF(7.66, 7.66, 7.66) @ 2450 MHz; Calibrated: 11/18/2019 Electronics: DAE4 Sn1396
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM with CRP v5.0(Right); Type: QD000P40CD; Serial: 1220
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-20; Ambient Temp: 21.5; Tissue Temp: 21.2

2450 MHz System Verification(100mW)

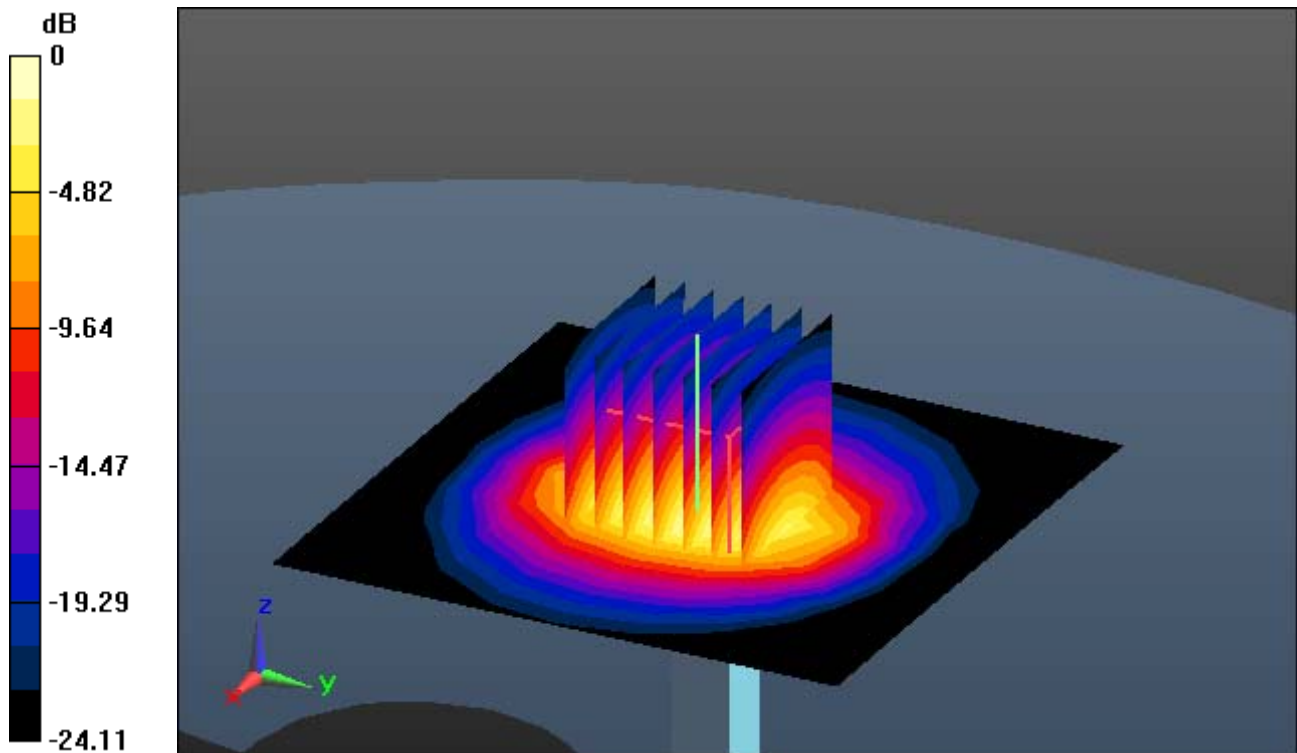
Area Scan (9x9x1): Measurement grid: dx=12mm, dy=12mm

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

Power Drift = -0.06 dB

Peak SAR (extrapolated) = 11.08 W/kg

SAR(1 g) = 5.11 W/kg; SAR(10 g) = 2.31 W/kg



DT&C Co., Ltd.

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

Communication System: UID 0, CW (0); Frequency: 5300 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5300$ MHz; $\sigma = 4.683$ S/m; $\epsilon_r = 34.918$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3930; ConvF(5.3, 5.3, 5.3) @ 5300 MHz; Calibrated: 11/18/2019 Electronics: DAE4 Sn1396
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM with CRP v5.0(Right); Type: QD000P40CD; Serial: 1220
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-22; Ambient Temp: 20.6; Tissue Temp: 20.3

5300 MHz System Verification(100mW)

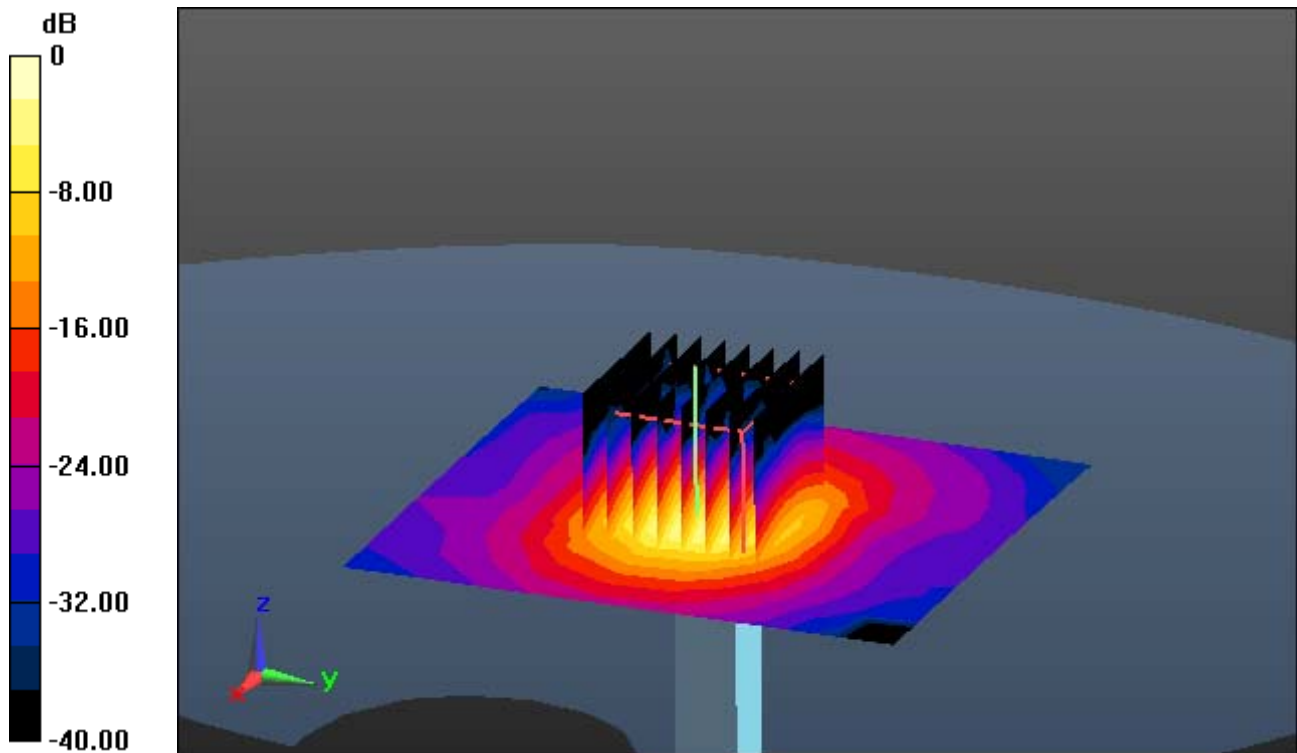
Area Scan (9x10x1): Measurement grid: dx=10mm, dy=10mm

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) = 33.7 W/kg

SAR(1 g) = 8.03 W/kg; SAR(10 g) = 2.29 W/kg



0 dB = 19.3 W/kg

DT&C Co., Ltd.

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

Communication System: UID 0, CW (0); Frequency: 5500 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5500$ MHz; $\sigma = 5.035$ S/m; $\epsilon_r = 35.444$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3930; ConvF(4.99, 4.99, 4.99) @ 5500 MHz; Calibrated: 11/18/2019 Electronics: DAE4 Sn1396
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Phantom: SAM with CRP v5.0(Right); Type: QD000P40CD; Serial: 1220
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-23; Ambient Temp: 21.8; Tissue Temp: 21.6

5500 MHz System Verification(100mW)

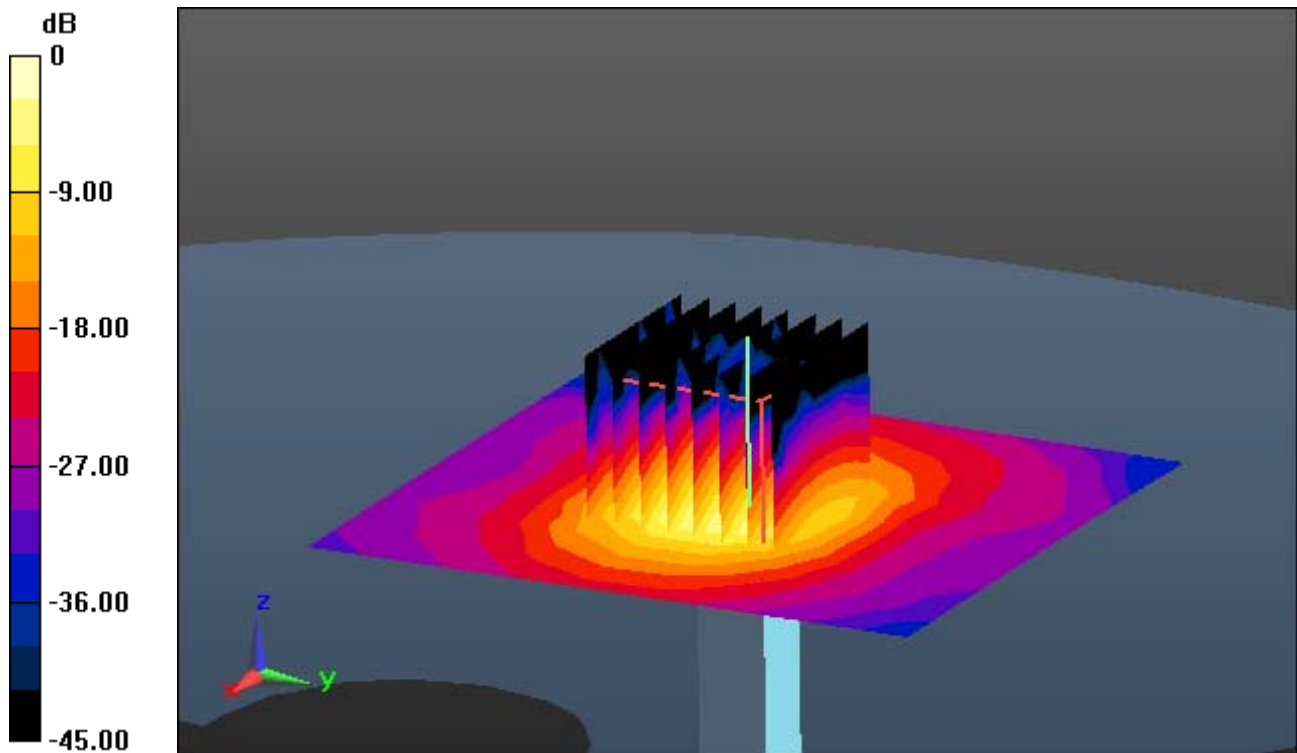
Area Scan (9x10x1): Measurement grid: dx=10mm, dy=10mm

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

Power Drift = -0.08 dB

Peak SAR (extrapolated) = 34.3 W/kg

SAR(1 g) = 8.23 W/kg; SAR(10 g) = 2.35 W/kg



0 dB = 19.8 W/kg

DT&C Co., Ltd.

DUT: EB1035; Type: Bar

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.385$ S/m; $\epsilon_r = 39.706$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY5 Configuration:

Probe: ES3DV3 - SN3327; ConvF(5.34, 5.34, 5.34) @ 1880 MHz; Calibrated: 2019-08-27 Electronics: DAE4 Sn1392

Sensor-Surface: 3mm (Mechanical Surface Detection)

Phantom: Twin-SAM V5.0 ; Type: QD 000 P40 CD; Serial: 1679

Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-20; Ambient Temp: 22.1; Tissue Temp: 22.2

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

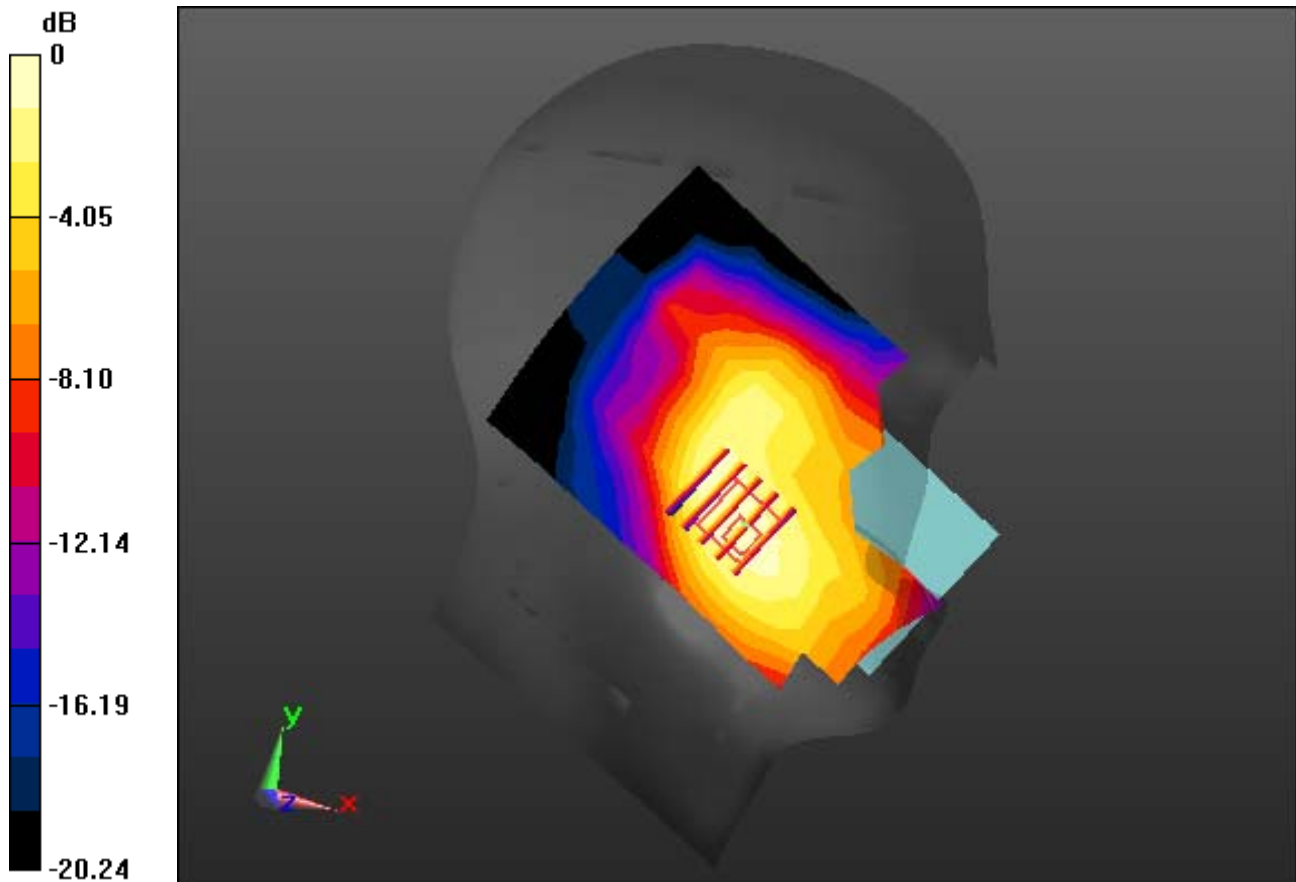
Area Scan (9x13x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.419 W/kg

SAR(1 g) = 0.262 W/kg; SAR(10 g) = 0.160 W/kg



0 dB = 0.303 W/kg

DT&C Co., Ltd.

DUT: EB1035; Type: Bar

Communication System: UID 0, PCS1900_4TX (0); Frequency: 1880 MHz; Duty Cycle: 1:2.075

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.385$ S/m; $\epsilon_r = 39.706$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY5 Configuration:

Probe: ES3DV3 - SN3327; ConvF(5.34, 5.34, 5.34) @ 1880 MHz; Calibrated: 2019-08-27 Electronics: DAE4 Sn1392

Sensor-Surface: 3mm (Mechanical Surface Detection)

Phantom: Twin-SAM V5.0 ; Type: QD 000 P40 CD; Serial: 1679

Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-20; Ambient Temp: 22.1; Tissue Temp: 22.2

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

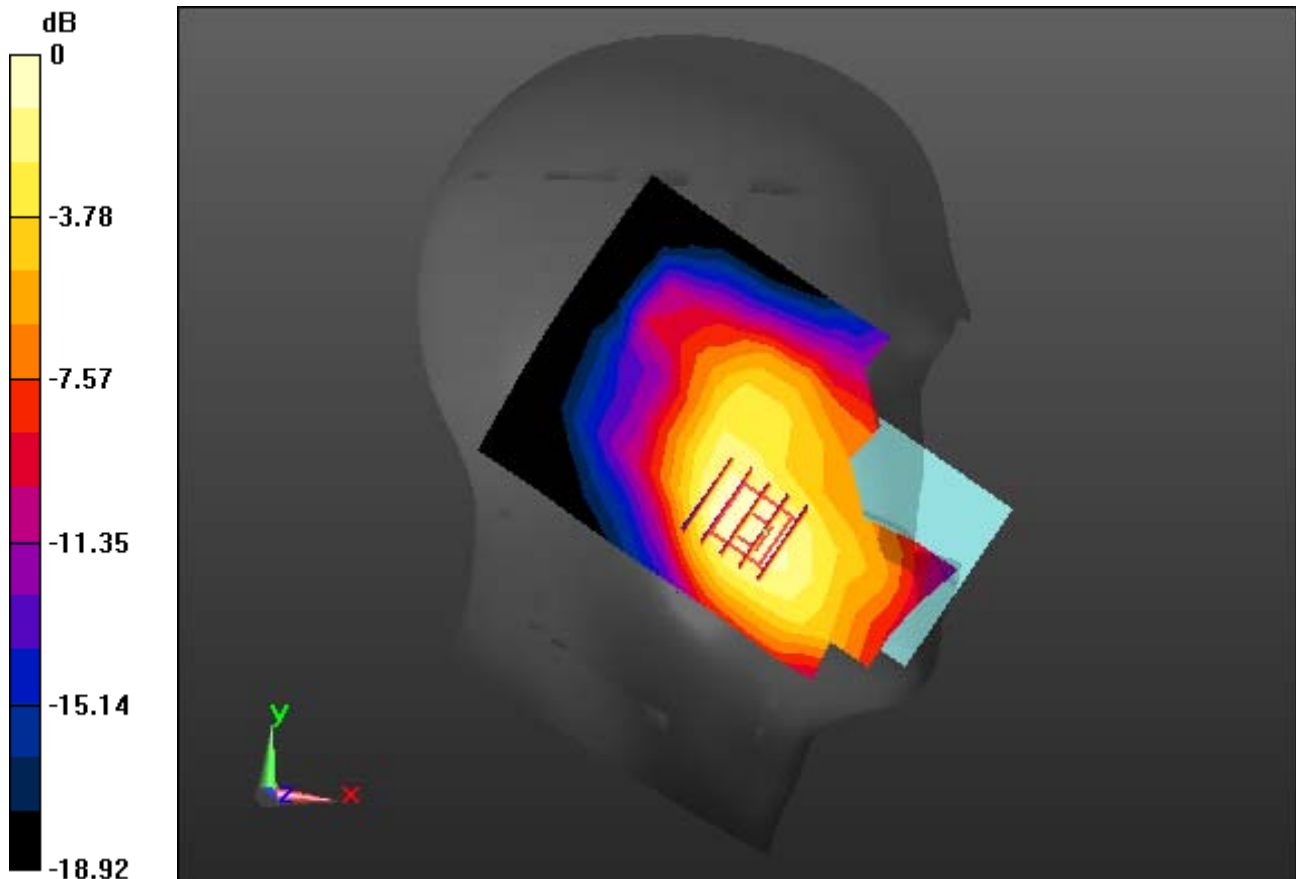
Area Scan (9x13x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.516 W/kg

SAR(1 g) = 0.325 W/kg; SAR(10 g) = 0.199 W/kg



0 dB = 0.381 W/kg

DT&C Co., Ltd.

DUT: EB1035; Type: Bar

Communication System: UID 0, WCDMA Band 4 (0); Frequency: 1732.4 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1732.4$ MHz; $\sigma = 1.325$ S/m; $\epsilon_r = 40.700$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY5 Configuration:

Probe: ES3DV3 - SN3327; ConvF(5.59, 5.59, 5.59) @ 1732.4 MHz; Calibrated: 2019-08-27 Electronics: DAE4 Sn1392

Sensor-Surface: 3mm (Mechanical Surface Detection)

Phantom: Twin-SAM V5.0 ; Type: QD 000 P40 CD; Serial: 1679

Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-17; Ambient Temp: 22.4; Tissue Temp: 22.8

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

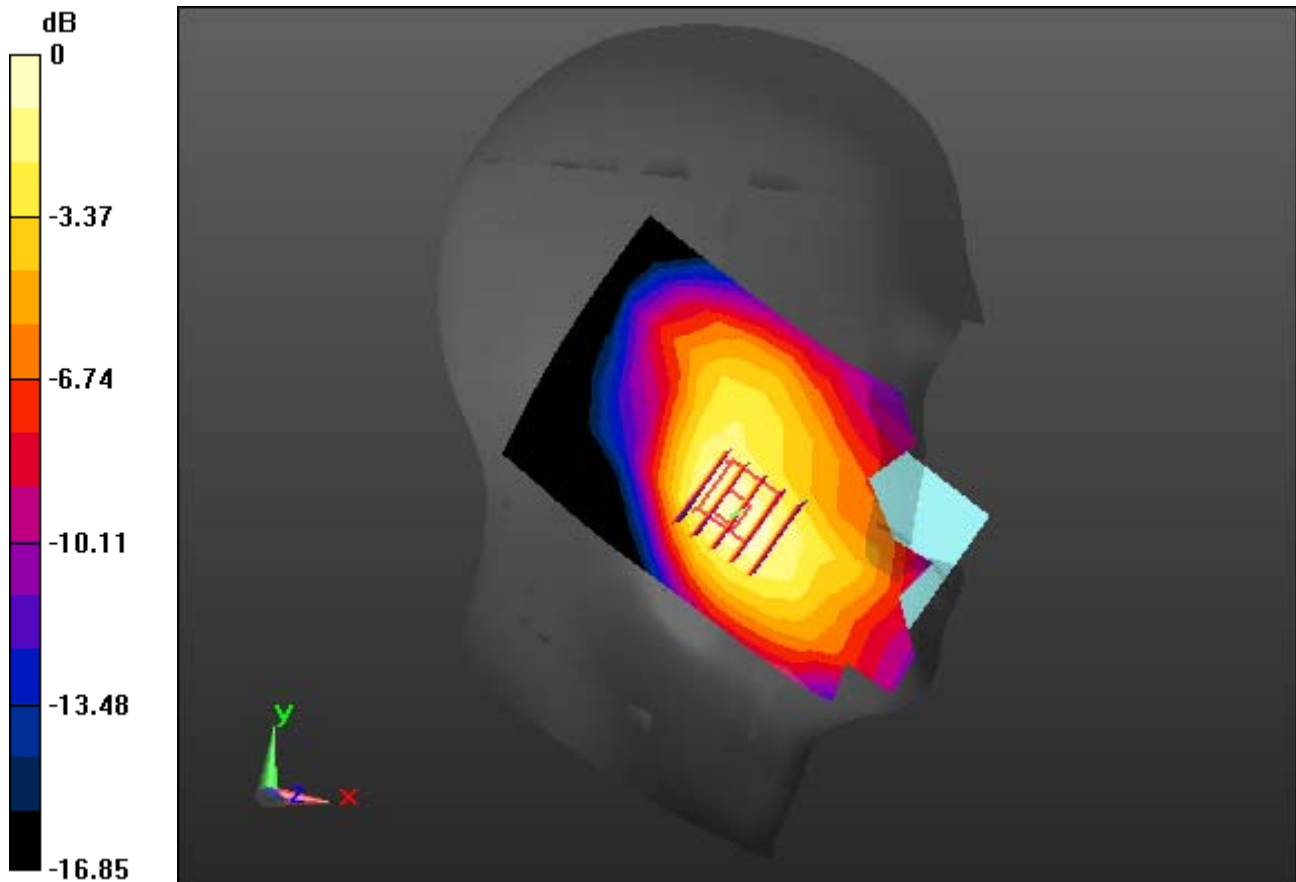
Area Scan (9x13x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.379 W/kg

SAR(1 g) = 0.252 W/kg; SAR(10 g) = 0.160 W/kg



0 dB = 0.296 W/kg

DT&C Co., Ltd.

DUT: EB1035; Type: Bar

Communication System: UID 0, WCDMA Band 2 (0); Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.385 \text{ S/m}$; $\epsilon_r = 39.706$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY5 Configuration:

Probe: ES3DV3 - SN3327; ConvF(5.34, 5.34, 5.34) @ 1880 MHz; Calibrated: 2019-08-27 Electronics: DAE4 Sn1392

Sensor-Surface: 3mm (Mechanical Surface Detection)

Phantom: Twin-SAM V5.0 ; Type: QD 000 P40 CD; Serial: 1679

Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-20; Ambient Temp: 22.1; Tissue Temp: 22.2

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

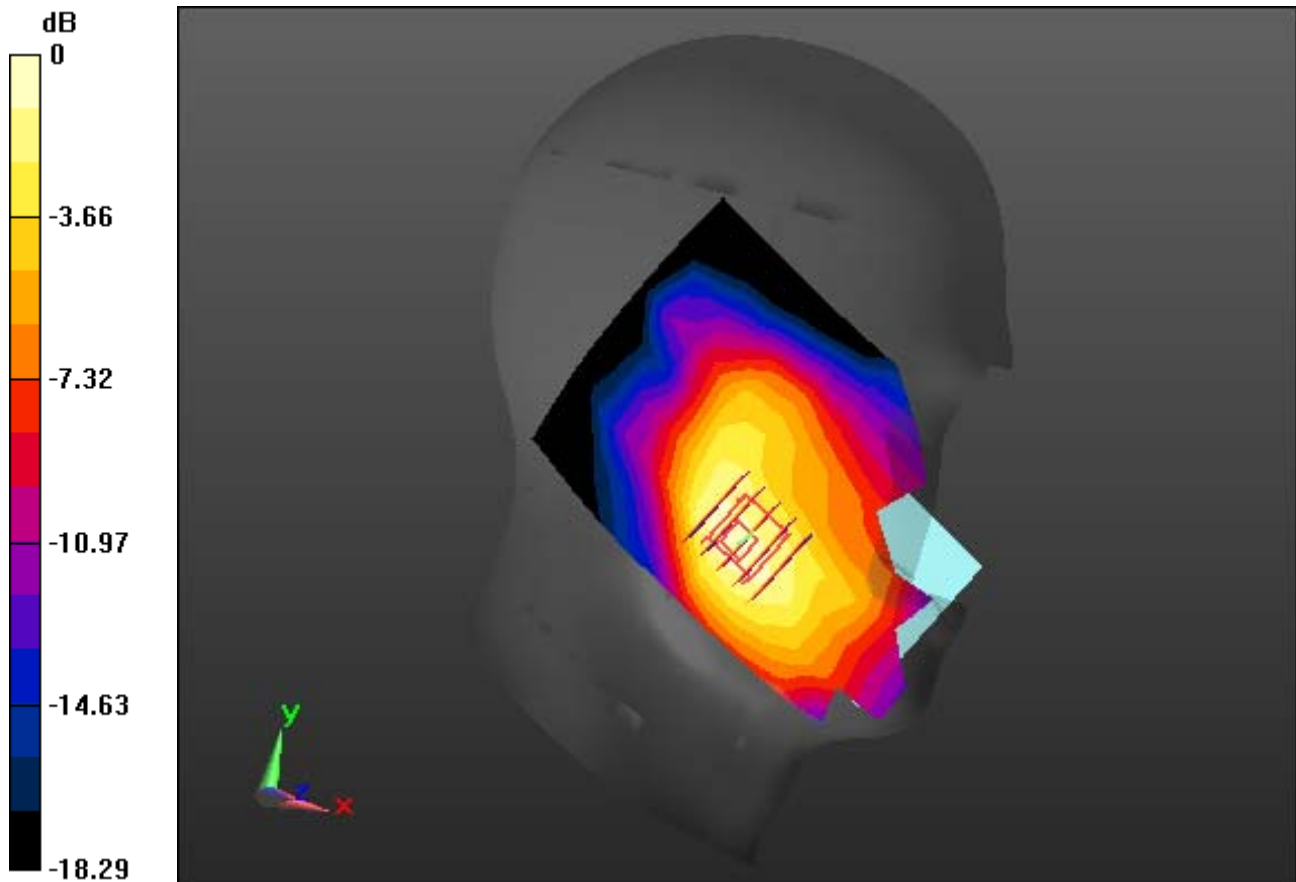
Area Scan (9x13x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.851 W/kg

SAR(1 g) = 0.540 W/kg; SAR(10 g) = 0.329 W/kg



0 dB = 0.644 W/kg

DT&C Co., Ltd.

DUT: EB1035; Type: Bar

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

Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.325$ S/m; $\epsilon_r = 40.7$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY5 Configuration:

Probe: ES3DV3 - SN3327; ConvF(5.59, 5.59, 5.59) @ 1732.5 MHz; Calibrated: 2019-08-27 Electronics: DAE4 Sn1392

Sensor-Surface: 3mm (Mechanical Surface Detection)

Phantom: Twin-SAM V5.0 ; Type: QD 000 P40 CD; Serial: 1679

Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-17; Ambient Temp: 22.4; Tissue Temp: 22.8

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

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

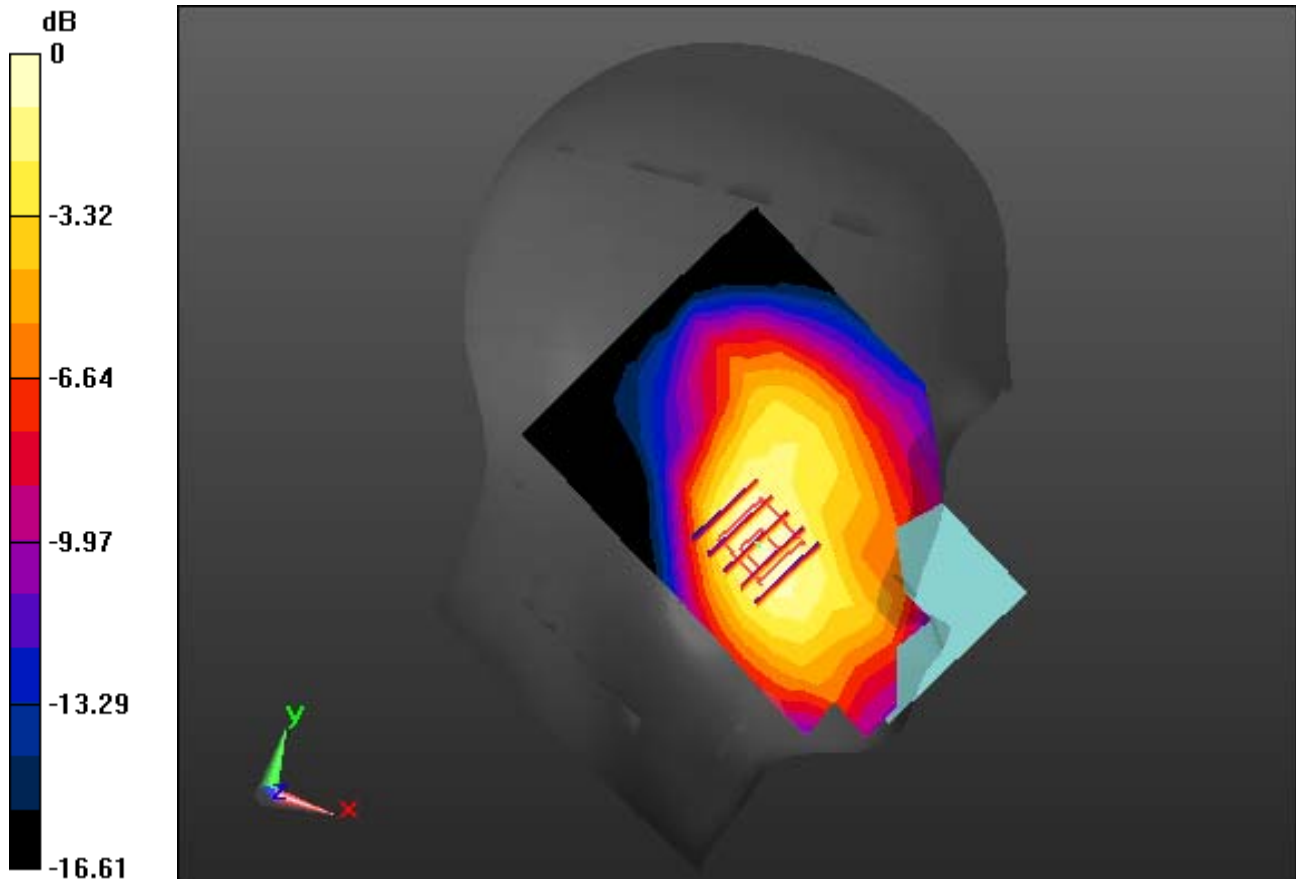
Area Scan (9x13x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.346 W/kg

SAR(1 g) = 0.229 W/kg; SAR(10 g) = 0.147 W/kg



0 dB = 0.269 W/kg

DT&C Co., Ltd.

DUT: EB1035; Type: Bar

Communication System: UID 0, LTE Band 2 (0); Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.38$ S/m; $\epsilon_r = 39.997$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY5 Configuration:

Probe: ES3DV3 - SN3327; ConvF(5.34, 5.34, 5.34) @ 1880 MHz; Calibrated: 2019-08-27 Electronics: DAE4 Sn1392

Sensor-Surface: 3mm (Mechanical Surface Detection)

Phantom: Twin-SAM V5.0 ; Type: QD 000 P40 CD; Serial: 1679

Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-24; Ambient Temp: 22.1; Tissue Temp: 22.3

Left Touch, LTE Band 2 Ch. 18900, Ant Internal, Standard Battery

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

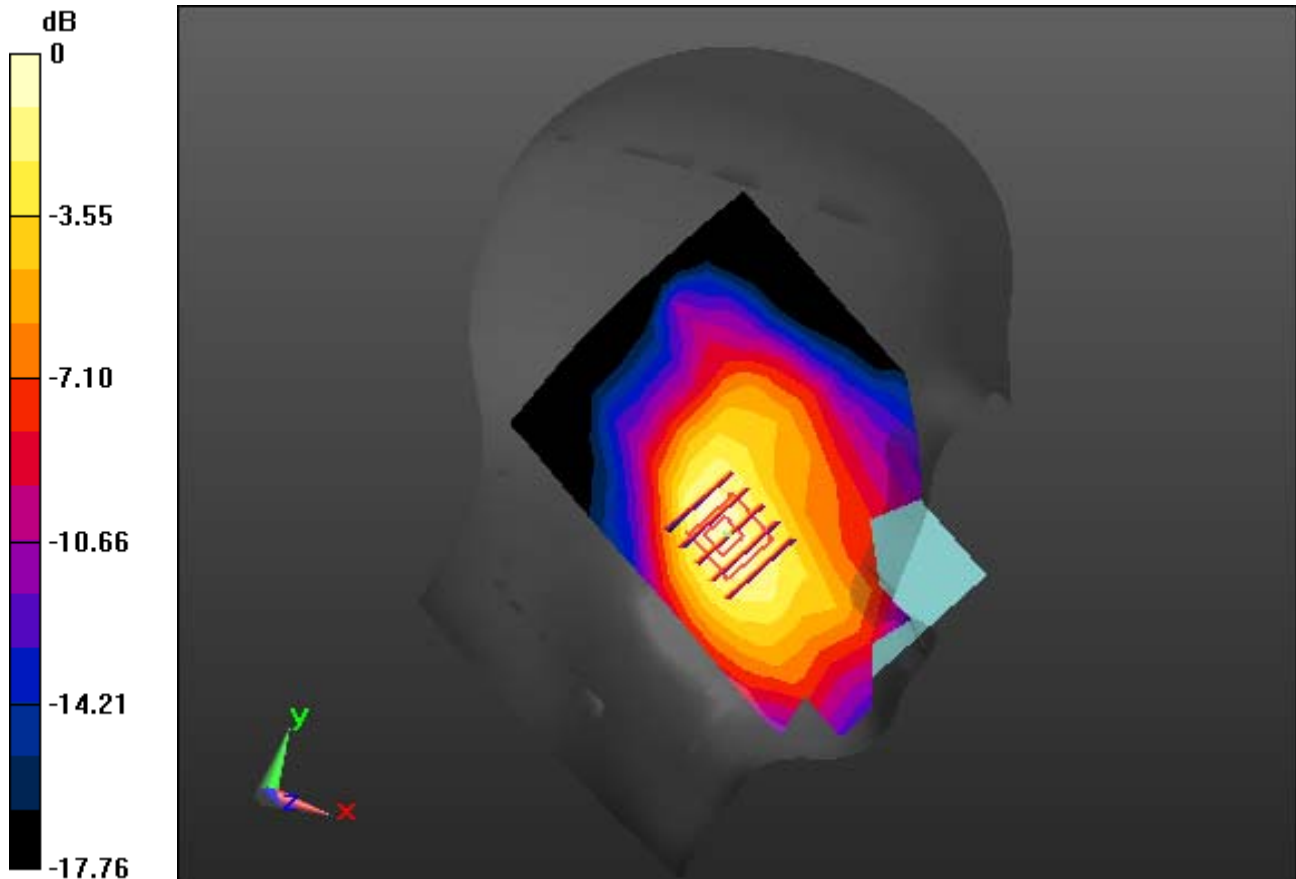
Area Scan (9x13x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.763 W/kg

SAR(1 g) = 0.482 W/kg; SAR(10 g) = 0.291 W/kg



0 dB = 0.574 W/kg

DT&C Co., Ltd.

DUT: EB1035; Type: Bar

Communication System: UID 0, W-LAN (0); Frequency: 2412 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2412$ MHz; $\sigma = 1.763$ S/m; $\epsilon_r = 39.086$; $\rho = 1000$ kg/m³
Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN3930; ConvF(7.66, 7.66, 7.66) @ 2412 MHz; Calibrated: 11/18/2019 Electronics: DAE4 Sn1396
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM with CRP v5.0(Right); Type: QD000P40CD; Serial: 1220
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-20; Ambient Temp: 21.6; Tissue Temp: 21.2

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

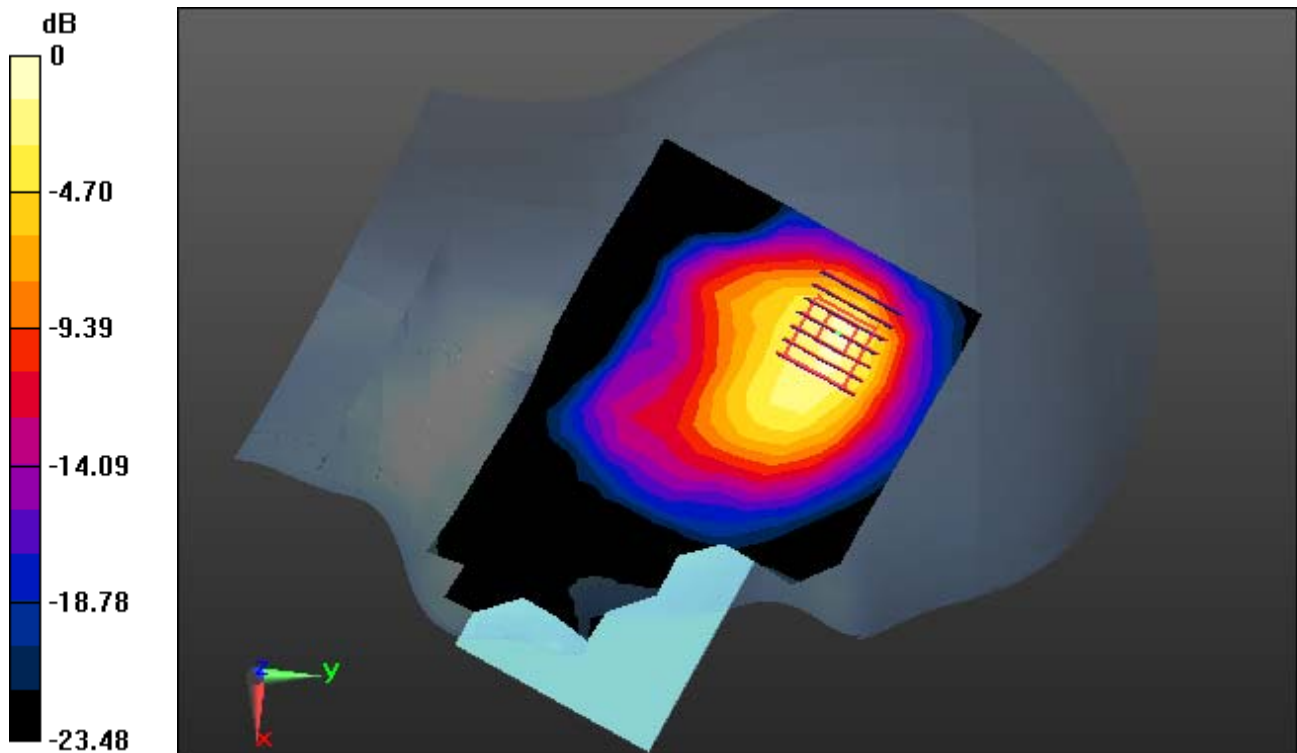
Area Scan (11x17x1): Measurement grid: dx=12mm, dy=12mm

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

Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.903 W/kg

SAR(1 g) = 0.387 W/kg; SAR(10 g) = 0.185 W/kg



0 dB = 0.621 W/kg

DT&C Co., Ltd.

DUT: EB1035; Type: Bar

Communication System: UID 0, W-LAN 5.3G(802.11a/n/ac) (0); Frequency: 5290 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5290 \text{ MHz}$; $\sigma = 4.673 \text{ S/m}$; $\epsilon_r = 34.936$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN3930; ConvF(5.3, 5.3, 5.3) @ 5290 MHz; Calibrated: 11/18/2019 Electronics: DAE4 Sn1396

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Phantom: SAM with CRP v5.0(Right); Type: QD000P40CD; Serial: 1220

Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-22; Ambient Temp: 20.6; Tissue Temp: 20.3

Left Touch, W-LAN(802.11ac VHT80) Ch. 58, Ant Internal, Standard Battery

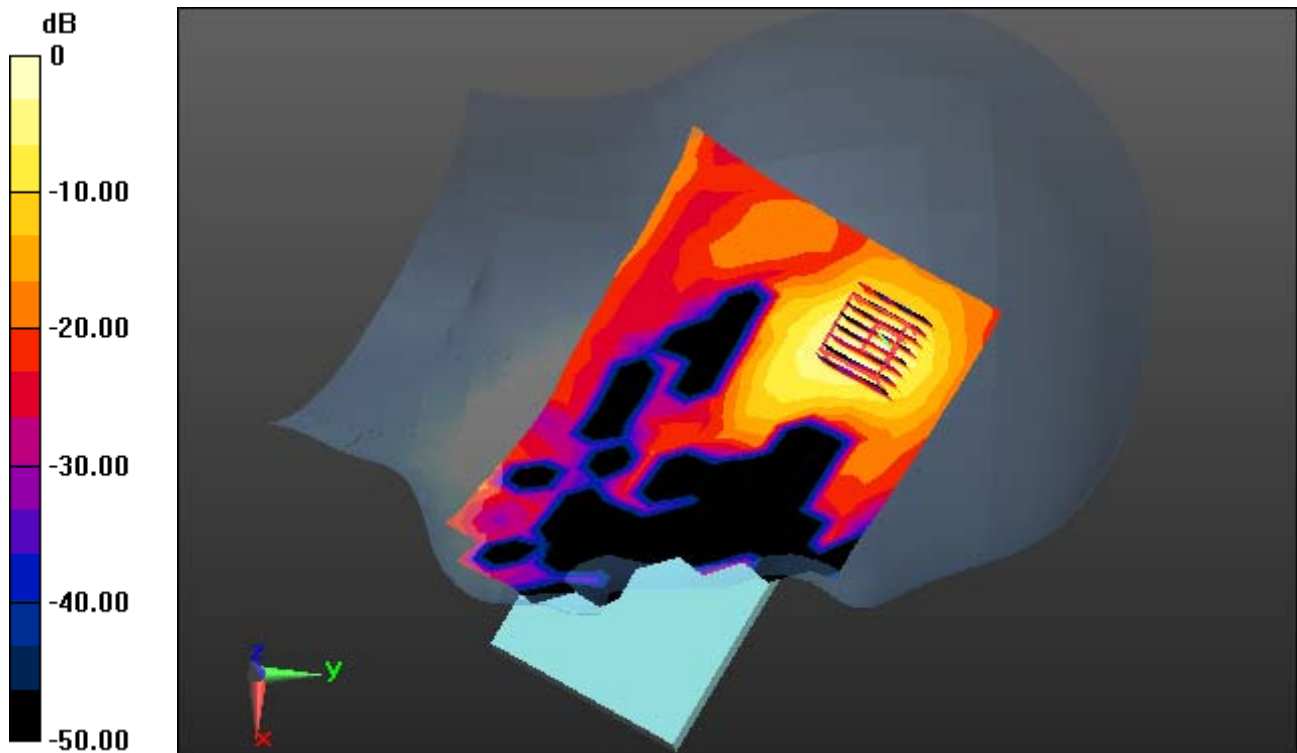
Area Scan (13x21x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

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 = 0.15 dB

Peak SAR (extrapolated) = 1.34 W/kg

SAR(1 g) = 0.304 W/kg; SAR(10 g) = 0.096 W/kg



0 dB = 0.786 W/kg

DT&C Co., Ltd.

DUT: EB1035; Type: Bar

Communication System: UID 0, W-LAN 5.6G(802.11a/n/ac) (0); Frequency: 5530 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5530 \text{ MHz}$; $\sigma = 5.066 \text{ S/m}$; $\epsilon_r = 35.395$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN3930; ConvF(4.99, 4.99, 4.99) @ 5530 MHz; Calibrated: 11/18/2019 Electronics: DAE4 Sn1396

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Phantom: SAM with CRP v5.0(Right); Type: QD000P40CD; Serial: 1220

Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-23; Ambient Temp: 21.8; Tissue Temp: 21.6

Left Tilt, W-LAN(802.11ac VHT80) Ch. 106, Ant Internal, Standard Battery

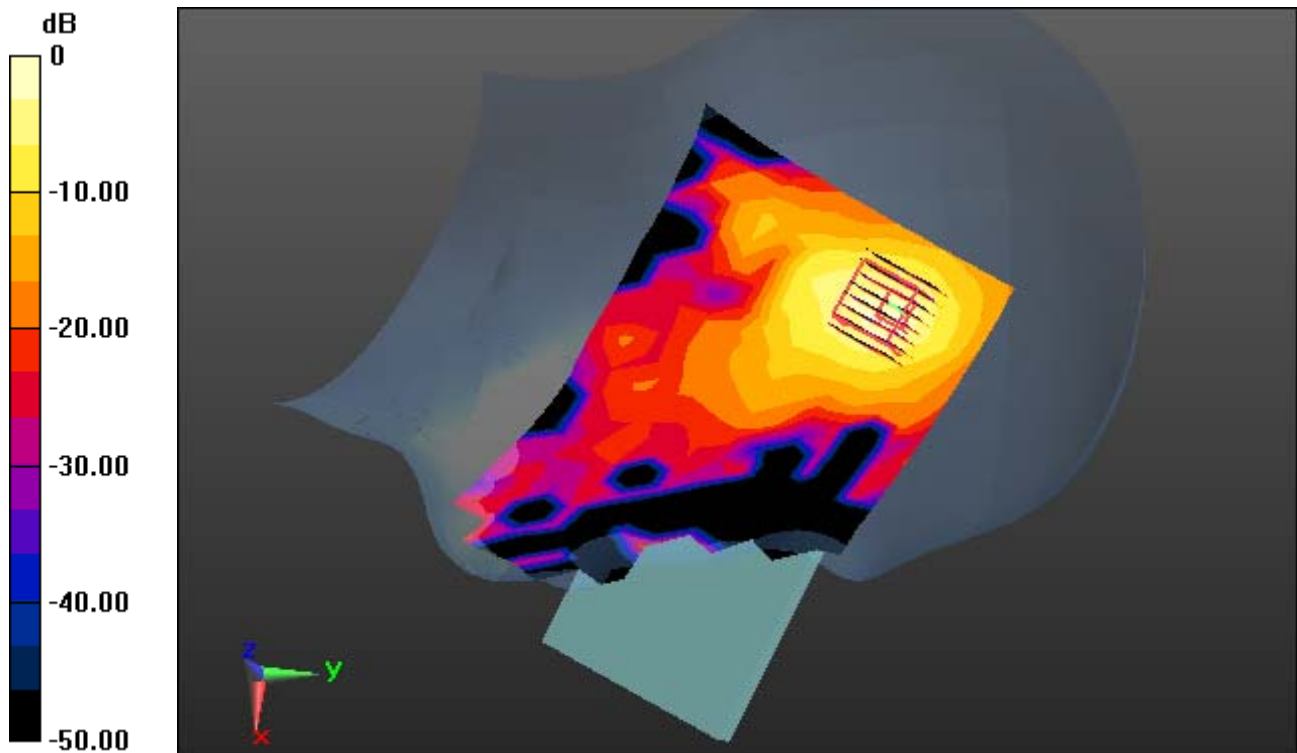
Area Scan (13x21x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

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) = 1.85 W/kg

SAR(1 g) = 0.428 W/kg; SAR(10 g) = 0.145 W/kg



0 dB = 1.12 W/kg

DT&C Co., Ltd.

DUT: EB1035; Type: Bar

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

Medium parameters used: $f = 2441$ MHz; $\sigma = 1.796$ S/m; $\epsilon_r = 38.987$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN3930; ConvF(7.66, 7.66, 7.66) @ 2441 MHz; Calibrated: 11/18/2019 Electronics: DAE4 Sn1396

Sensor-Surface: 2mm (Mechanical Surface Detection)

Phantom: SAM with CRP v5.0(Right); Type: QD000P40CD; Serial: 1220

Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-20; Ambient Temp: 21.6; Tissue Temp: 21.2

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

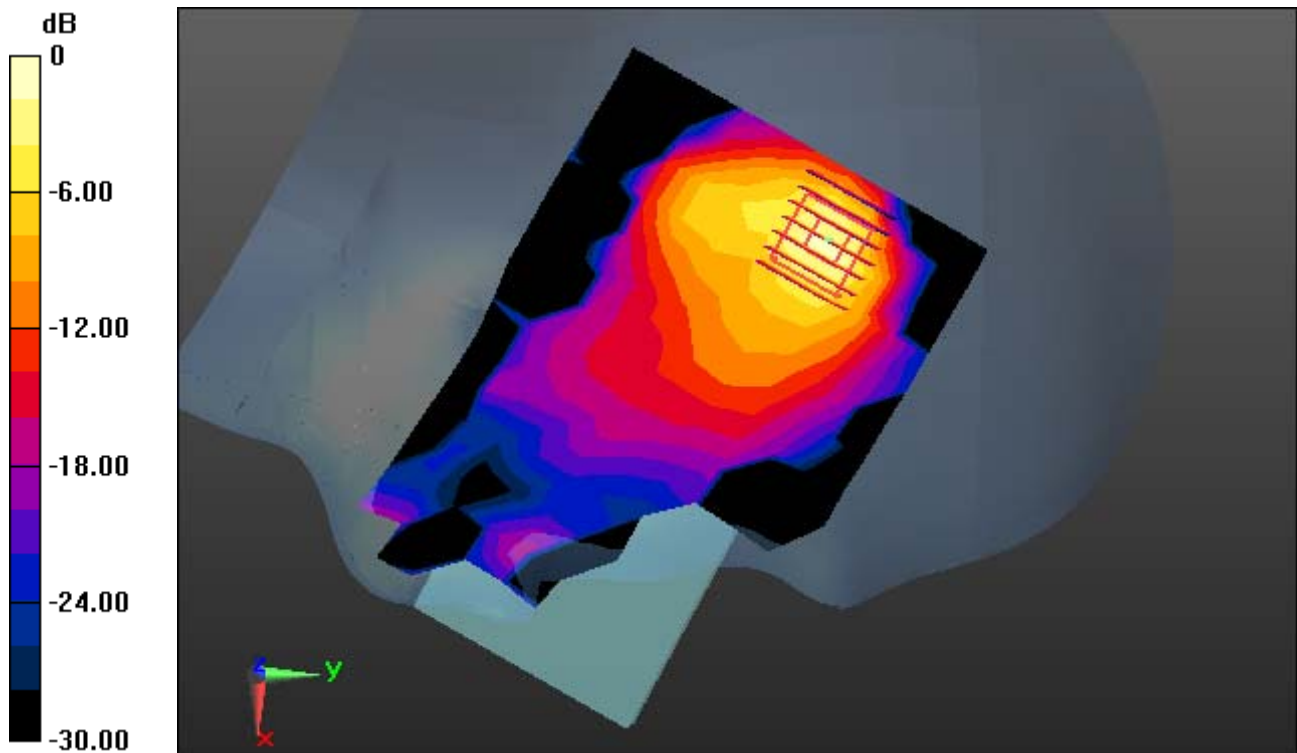
Area Scan (11x17x1): Measurement grid: dx=12mm, dy=12mm

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

Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.206 W/kg

SAR(1 g) = 0.087 W/kg; SAR(10 g) = 0.036 W/kg



0 dB = 0.143 W/kg

DT&C Co., Ltd.

DUT: EB1035; Type: Bar

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

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.385 \text{ S/m}$; $\epsilon_r = 39.706$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

Probe: ES3DV3 - SN3327; ConvF(5.34, 5.34, 5.34) @ 1880 MHz; Calibrated: 2019-08-27 Electronics: DAE4 Sn1392

Sensor-Surface: 3mm (Mechanical Surface Detection)

Phantom: Twin-SAM V5.0 ; Type: QD 000 P40 CD; Serial: 1679

Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-20; Ambient Temp: 22.1; Tissue Temp: 22.2

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

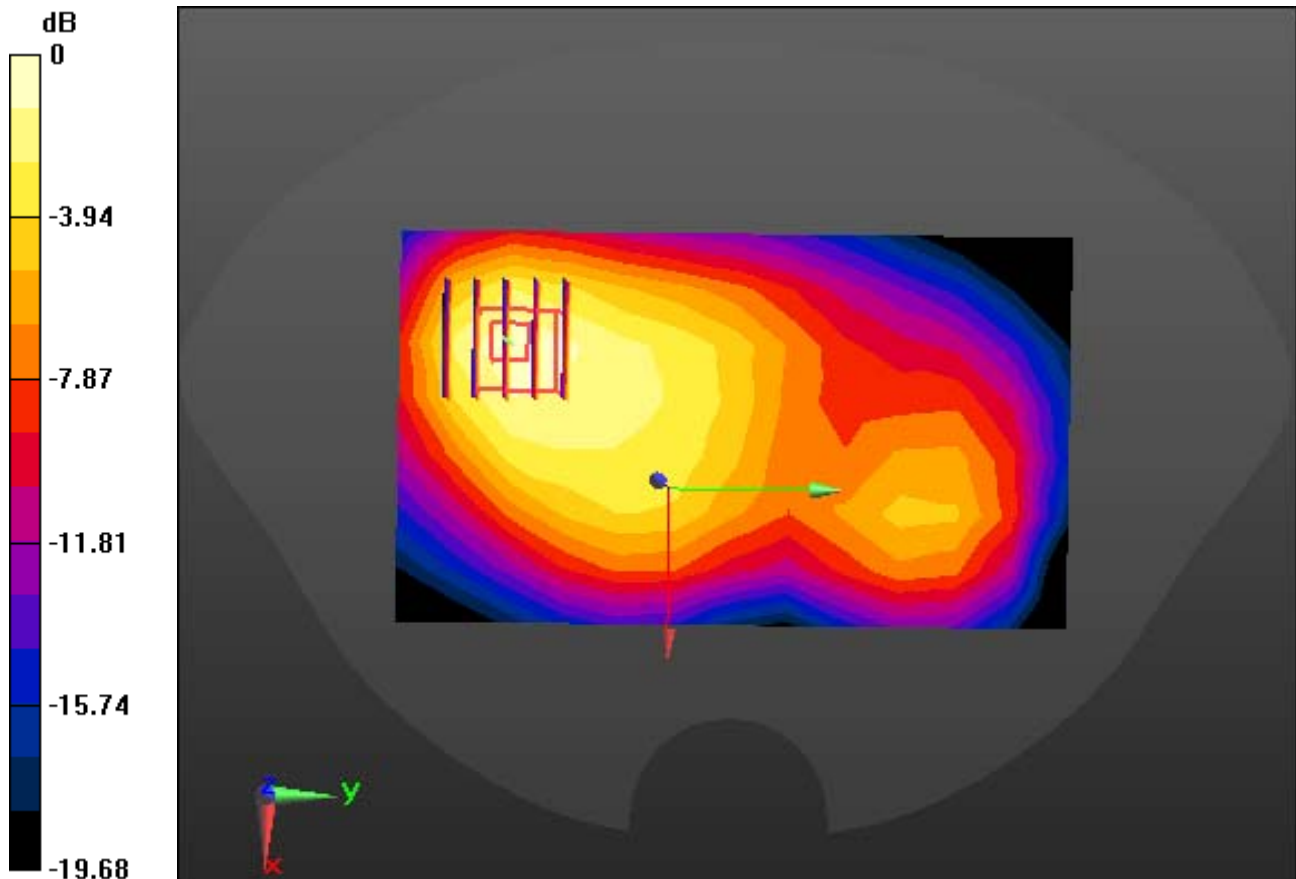
Area Scan (8x13x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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) = 0.753 W/kg

SAR(1 g) = 0.425 W/kg; SAR(10 g) = 0.241 W/kg



0 dB = 0.524 W/kg

DT&C Co., Ltd.

DUT: EB1035; Type: Bar

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

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.385 \text{ S/m}$; $\epsilon_r = 39.706$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

Probe: ES3DV3 - SN3327; ConvF(5.34, 5.34, 5.34) @ 1880 MHz; Calibrated: 2019-08-27 Electronics: DAE4 Sn1392

Sensor-Surface: 3mm (Mechanical Surface Detection)

Phantom: Twin-SAM V5.0 ; Type: QD 000 P40 CD; Serial: 1679

Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-20; Ambient Temp: 22.1; Tissue Temp: 22.2

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

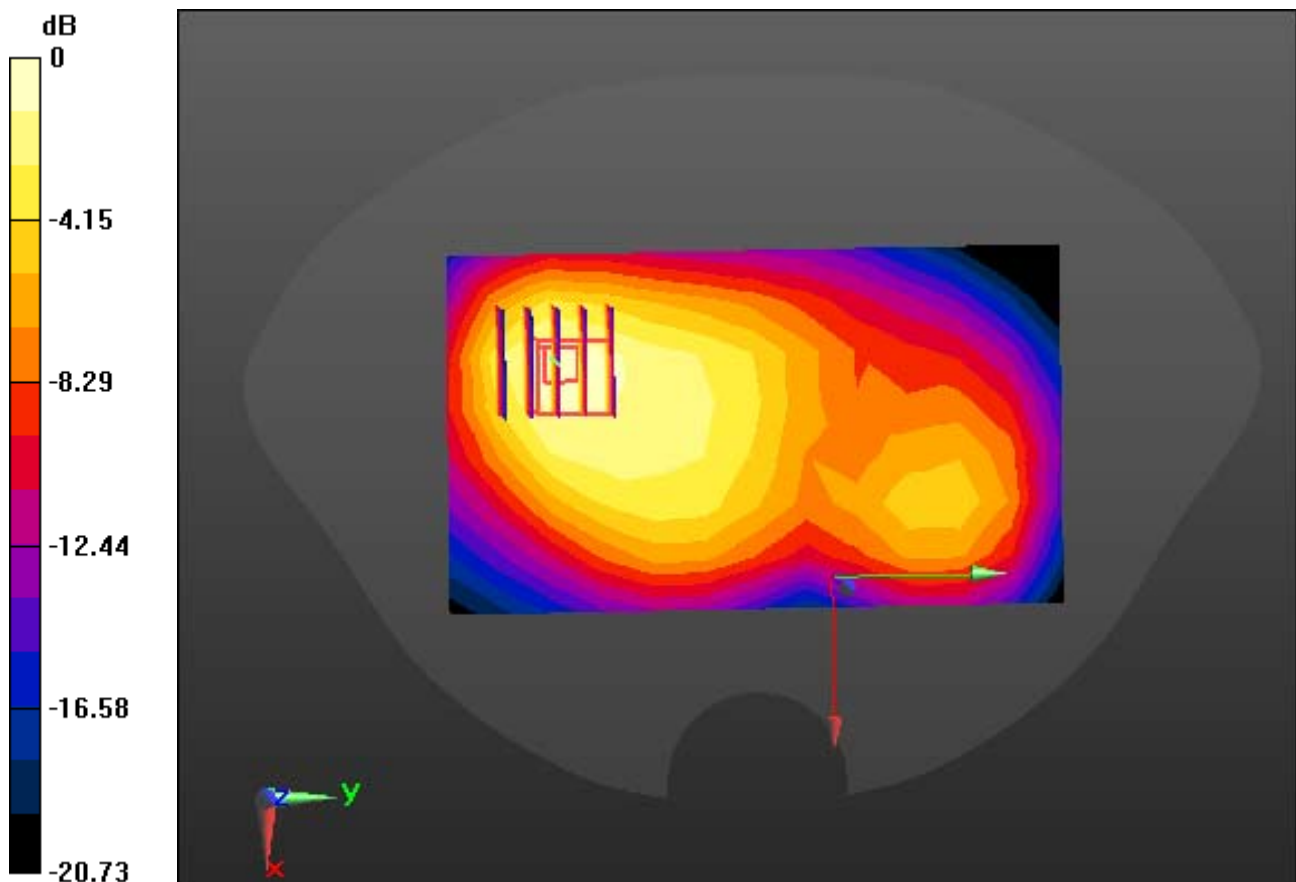
Area Scan (8x13x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.760 W/kg

SAR(1 g) = 0.432 W/kg; SAR(10 g) = 0.248 W/kg



DT&C Co., Ltd.

DUT: EB1035; Type: Bar

Communication System: UID 0, WCDMA Band 4 (0); Frequency: 1732.4 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1732.4$ MHz; $\sigma = 1.325$ S/m; $\epsilon_r = 40.7$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

Probe: ES3DV3 - SN3327; ConvF(5.59, 5.59, 5.59) @ 1732.4 MHz; Calibrated: 2019-08-27 Electronics: DAE4 Sn1392

Sensor-Surface: 3mm (Mechanical Surface Detection)

Phantom: Twin-SAM V5.0 ; Type: QD 000 P40 CD; Serial: 1679

Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-17; Ambient Temp: 22.4; Tissue Temp: 22.8

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

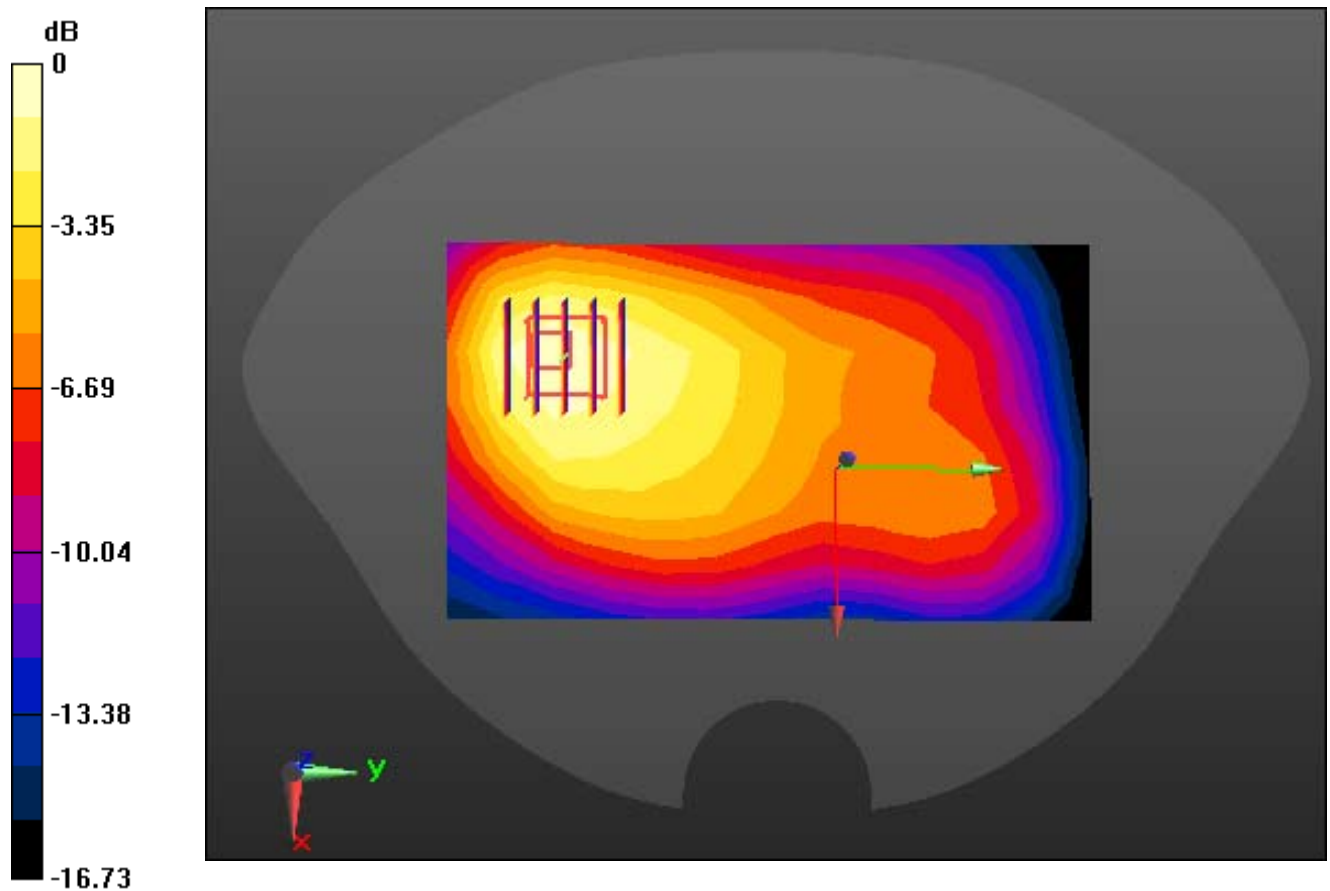
Area Scan (8x13x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.654 W/kg

SAR(1 g) = 0.413 W/kg; SAR(10 g) = 0.264 W/kg



0 dB = 0.493 W/kg

DT&C Co., Ltd.

DUT: EB1035; Type: Bar

Communication System: UID 0, WCDMA Band 2 (0); Frequency: 1907.6 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1907.6$ MHz; $\sigma = 1.411$ S/m; $\epsilon_r = 39.614$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

Probe: ES3DV3 - SN3327; ConvF(5.34, 5.34, 5.34) @ 1907.6 MHz; Calibrated: 2019-08-27 Electronics: DAE4 Sn1392

Sensor-Surface: 3mm (Mechanical Surface Detection)

Phantom: Twin-SAM V5.0 ; Type: QD 000 P40 CD; Serial: 1679

Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-20; Ambient Temp: 22.1; Tissue Temp: 22.2

1 cm space from Body, Front, WCDMA Band 2 Ch. 9538, Ant Internal

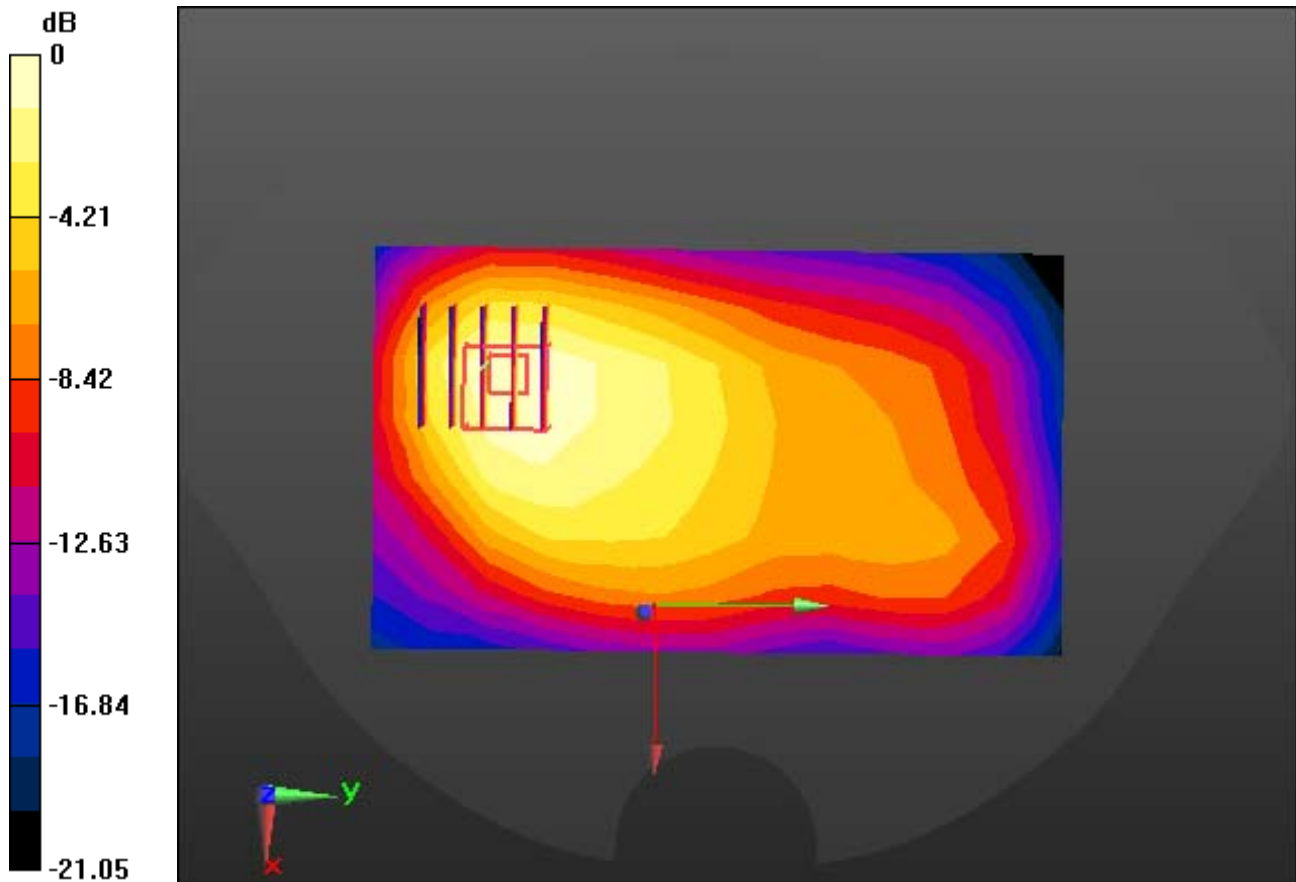
Area Scan (8x13x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.54 W/kg

SAR(1 g) = 0.857 W/kg; SAR(10 g) = 0.492 W/kg



0 dB = 1.02 W/kg

DT&C Co., Ltd.

DUT: EB1035; Type: Bar

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

Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.325$ S/m; $\epsilon_r = 40.7$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

Probe: ES3DV3 - SN3327; ConvF(5.59, 5.59, 5.59) @ 1732.5 MHz; Calibrated: 2019-08-27 Electronics: DAE4 Sn1392

Sensor-Surface: 3mm (Mechanical Surface Detection)

Phantom: Twin-SAM V5.0 ; Type: QD 000 P40 CD; Serial: 1679

Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-17 Ambient Temp: 22.4; Tissue Temp: 22.8

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

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

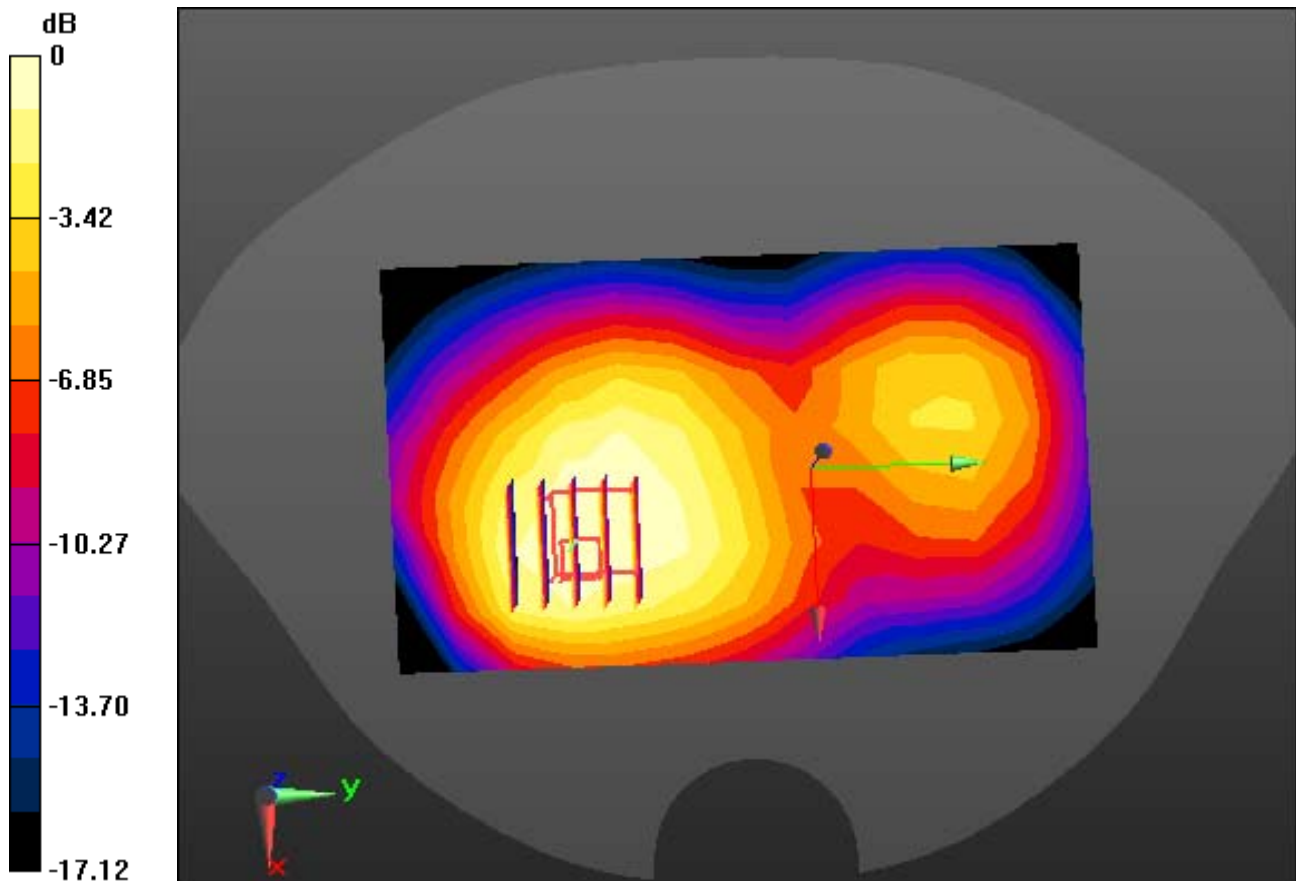
Area Scan (8x13x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.00 dB

Peak SAR (extrapolated) = 0.488 W/kg

SAR(1 g) = 0.306 W/kg; SAR(10 g) = 0.195 W/kg



0 dB = 0.354 W/kg

DT&C Co., Ltd.

DUT: EB1035; Type: Bar

Communication System: UID 0, LTE Band 2 (0); Frequency: 1900 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.399$ S/m; $\epsilon_r = 39.92$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

Probe: ES3DV3 - SN3327; ConvF(5.34, 5.34, 5.34) @ 1900 MHz; Calibrated: 2019-08-27 Electronics: DAE4 Sn1392

Sensor-Surface: 3mm (Mechanical Surface Detection)

Phantom: Twin-SAM V5.0 ; Type: QD 000 P40 CD; Serial: 1679

Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-20 Ambient Temp: 22.1; Tissue Temp: 22.3

1 cm space from Body, Front, LTE Band 2 Ch. 19100, Ant Internal

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

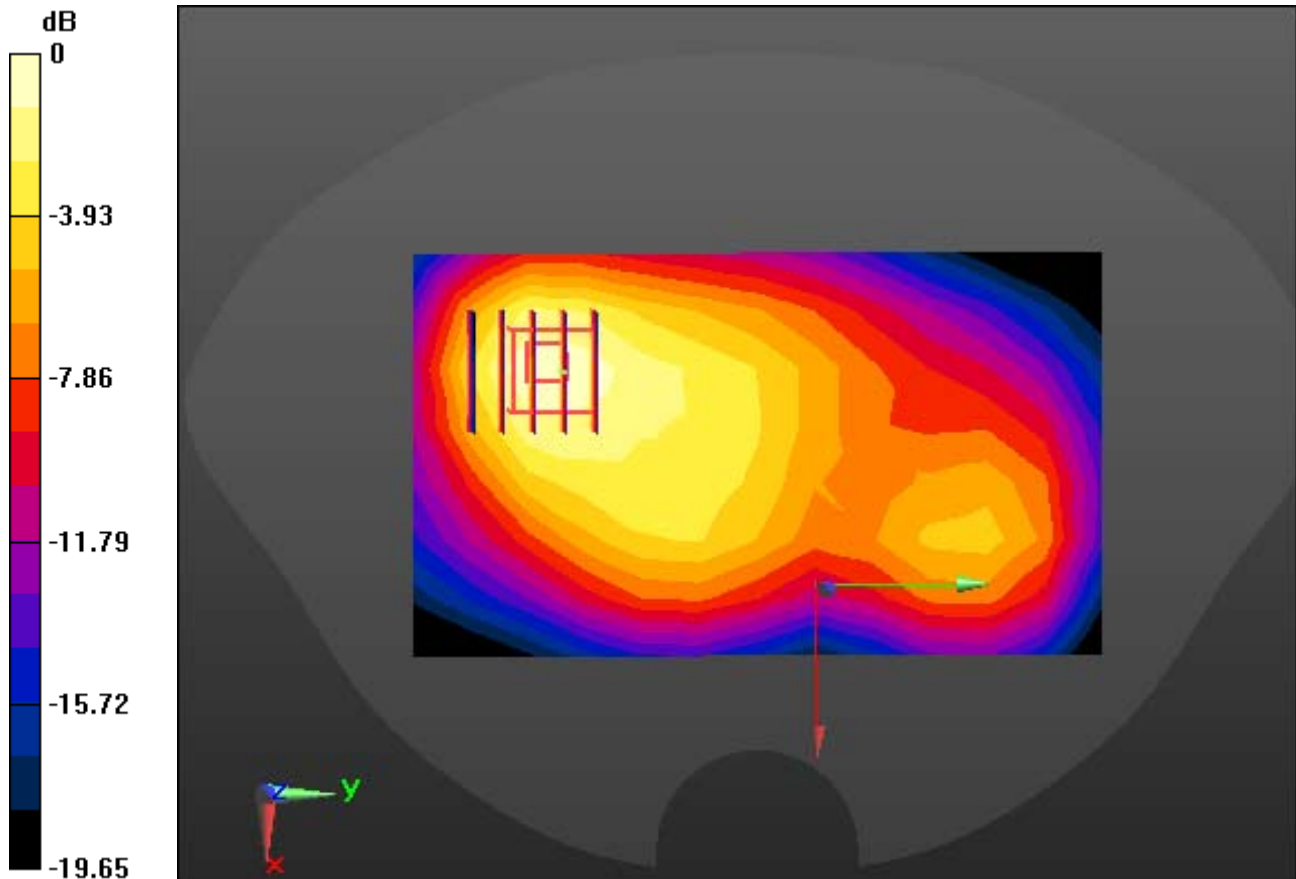
Area Scan (8x13x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.06 dB

Peak SAR (extrapolated) = 1.20 W/kg

SAR(1 g) = 0.698 W/kg; SAR(10 g) = 0.396 W/kg



0 dB = 0.821 W/kg

DT&C Co., Ltd.

DUT: EB1035; Type: Bar

Communication System: UID 0, W-LAN (0); Frequency: 2412 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2412 \text{ MHz}$; $\sigma = 1.763 \text{ S/m}$; $\epsilon_r = 39.086$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3930; ConvF(7.66, 7.66, 7.66) @ 2412 MHz; Calibrated: 11/18/2019 Electronics: DAE4 Sn1396
Sensor-Surface: 2mm (Mechanical Surface Detection)
Phantom: SAM with CRP v5.0(Right); Type: QD000P40CD; Serial: 1220
Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-20; Ambient Temp: 21.6; Tissue Temp: 21.2

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

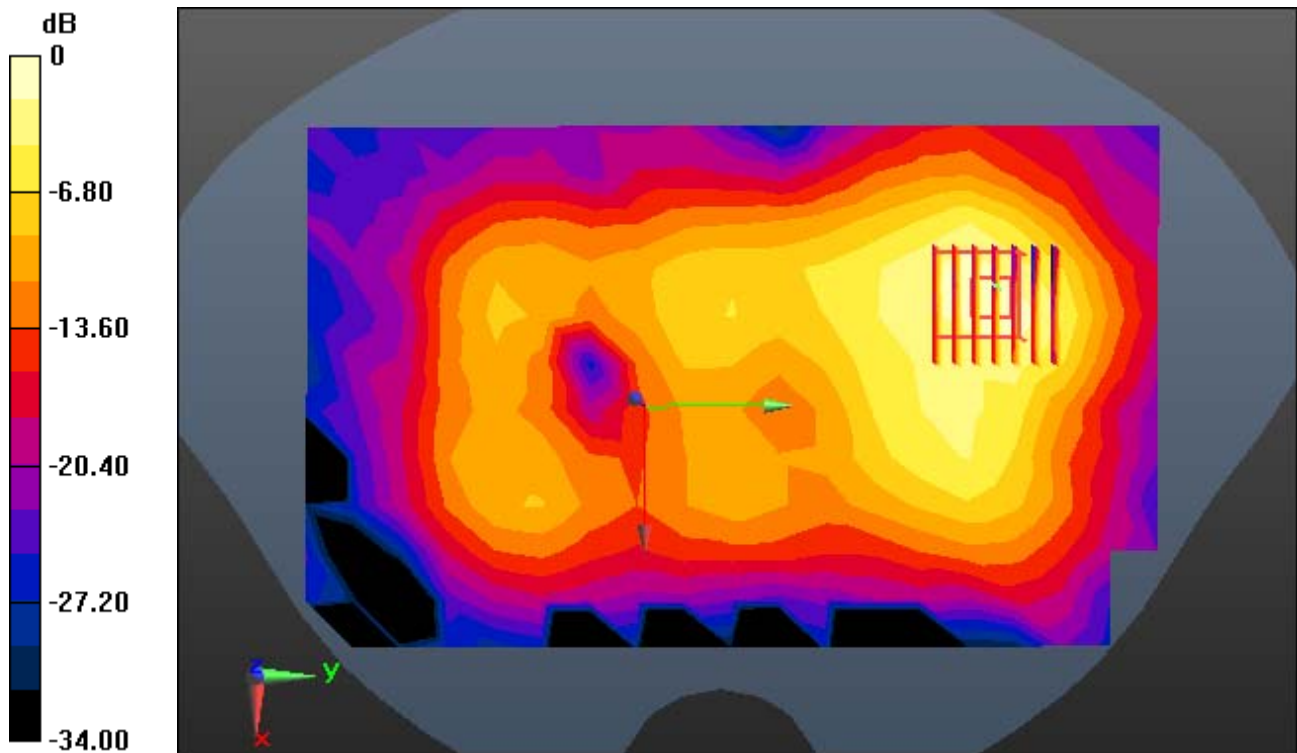
Area Scan (12x19x1): Measurement grid: $dx=12\text{mm}$, $dy=12\text{mm}$

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

Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.300 W/kg

SAR(1 g) = 0.126 W/kg; SAR(10 g) = 0.060 W/kg



0 dB = 0.198 W/kg

DT&C Co., Ltd.

DUT: EB1035; Type: Bar

Communication System: UID 0, W-LAN 5.3G(802.11a/n/ac) (0); Frequency: 5290 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5290 \text{ MHz}$; $\sigma = 4.673 \text{ S/m}$; $\epsilon_r = 34.936$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3930; ConvF(5.3, 5.3, 5.3) @ 5290 MHz; Calibrated: 11/18/2019 Electronics: DAE4 Sn1396

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Phantom: SAM with CRP v5.0(Right); Type: QD000P40CD; Serial: 1220

Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-22; Ambient Temp: 20.6; Tissue Temp: 20.3

1 cm space from Body, Rear, W-LAN(802.11ac VHT80) Ch. 58, Ant Internal

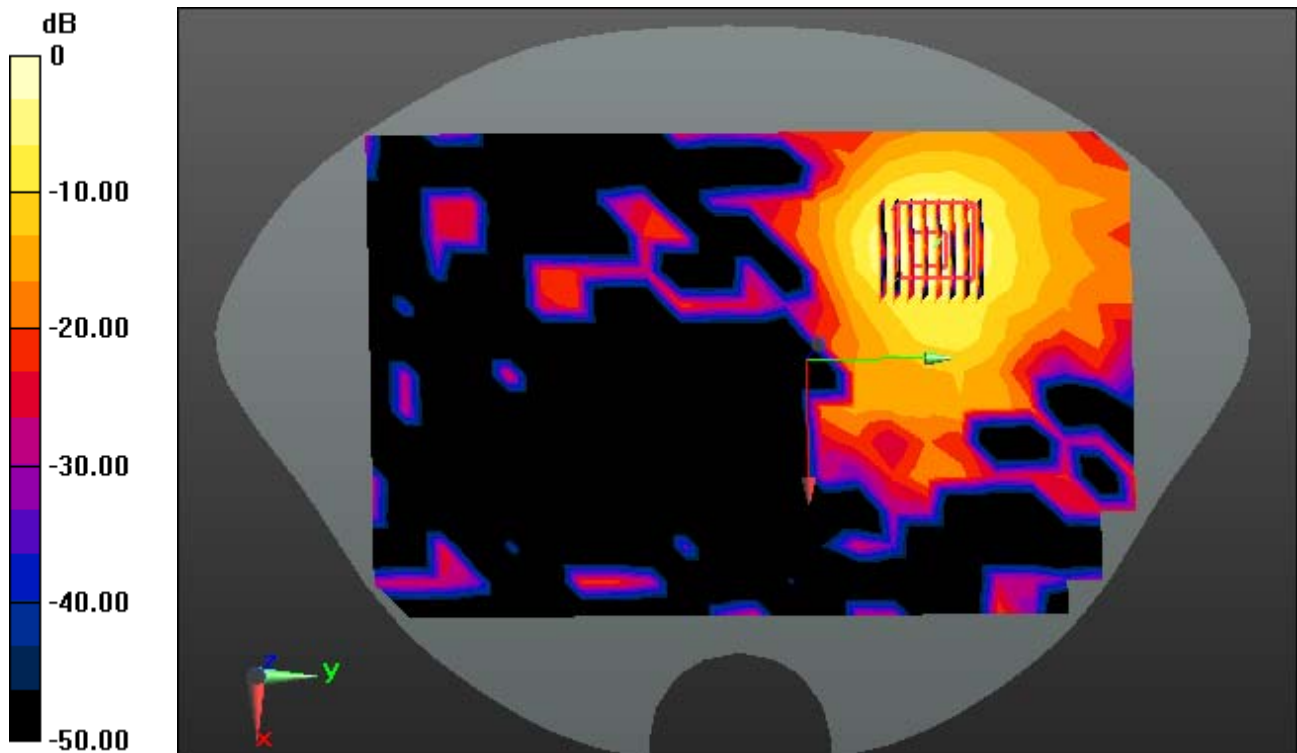
Area Scan (15x23x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

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 = 0.10 dB

Peak SAR (extrapolated) = 1.48 W/kg

SAR(1 g) = 0.176 W/kg; SAR(10 g) = 0.056 W/kg



DT&C Co., Ltd.

DUT: EB1035; Type: Bar

Communication System: UID 0, W-LAN 5.6G(802.11a/n/ac) (0); Frequency: 5530 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5530 \text{ MHz}$; $\sigma = 5.066 \text{ S/m}$; $\epsilon_r = 35.395$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3930; ConvF(4.99, 4.99, 4.99) @ 5530 MHz; Calibrated: 11/18/2019 Electronics: DAE4 Sn1396

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Phantom: SAM with CRP v5.0(Right); Type: QD000P40CD; Serial: 1220

Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-23; Ambient Temp: 21.8; Tissue Temp: 21.6

1 cm space from Body, Rear, W-LAN(802.11ac VHT80) Ch. 106, Ant Internal

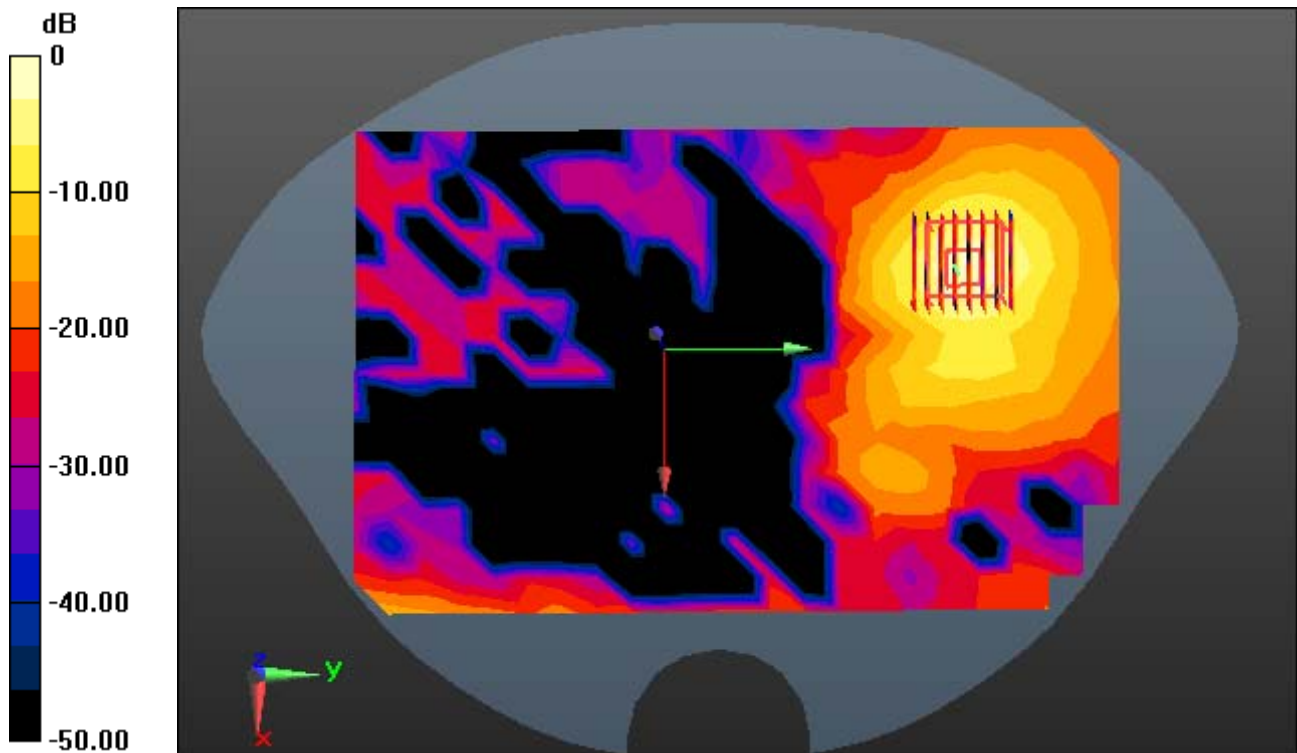
Area Scan (15x23x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

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 = -0.02 dB

Peak SAR (extrapolated) = 1.51 W/kg

SAR(1 g) = 0.383 W/kg; SAR(10 g) = 0.124 W/kg



0 dB = 0.918 W/kg

DT&C Co., Ltd.

DUT: EB1035; Type: Bar

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

Medium parameters used: $f = 2441$ MHz; $\sigma = 1.796$ S/m; $\epsilon_r = 38.987$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3930; ConvF(7.66, 7.66, 7.66) @ 2441 MHz; Calibrated: 11/18/2019 Electronics: DAE4 Sn1396

Sensor-Surface: 2mm (Mechanical Surface Detection)

Phantom: SAM with CRP v5.0(Right); Type: QD000P40CD; Serial: 1220

Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Test Date: 2020-04-20; Ambient Temp: 21.6; Tissue Temp: 21.2

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

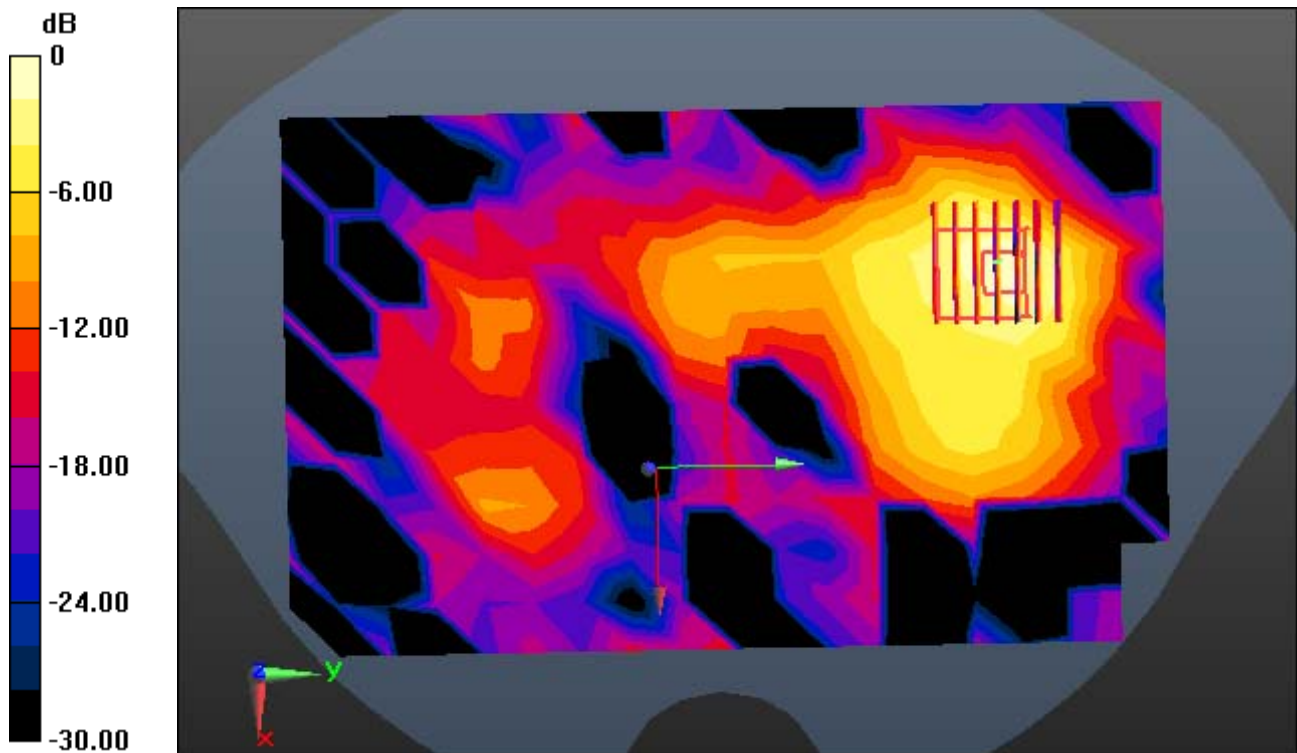
Area Scan (12x19x1): Measurement grid: dx=12mm, dy=12mm

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

Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.0550 W/kg

SAR(1 g) = 0.023 W/kg; SAR(10 g) = 0.010 W/kg



0 dB = 0.0367 W/kg