

Test Laboratory: BTL.Inc

Date: 2019-11-28

System Check_H835_1128

DUT: Dipole 835 MHz D835V2;

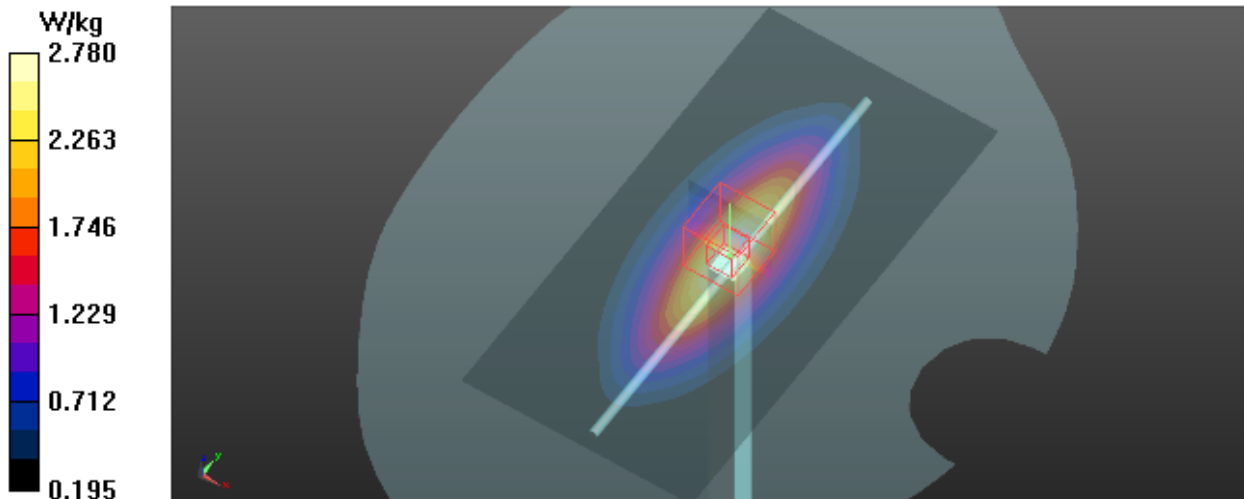
Communication System: UID 0, CW (0); Frequency: 835 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.891 \text{ S/m}$; $\epsilon_r = 43.061$; $\rho = 1000 \text{ kg/m}^3$
Ambient Temperature : $23.2 \text{ }^\circ\text{C}$; Liquid Temperature : $22.4 \text{ }^\circ\text{C}$

DASY Configuration:

- Probe: ES3DV3 - SN3162; ConvF(5.92, 5.92, 5.92) @ 835 MHz; Calibrated: 2019-04-12
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE3 Sn420; Calibrated: 2019-06-21
- Phantom: SAM Left v5.0; Type: Twin SAM; Serial: TP:1784
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (7x13x1): Interpolated grid: $dx=15 \text{ mm}$, $dy=15 \text{ mm}$
Maximum value of SAR (interpolated) = 2.80 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
Reference Value = 64.33 V/m ; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 3.75 W/kg
SAR(1 g) = 2.3 W/kg ; SAR(10 g) = 1.52 W/kg
Maximum value of SAR (measured) = 2.78 W/kg



Test Laboratory: BTL.Inc

Date: 2019-11-29

System Check_H835_1129

DUT: Dipole 835 MHz D835V2;

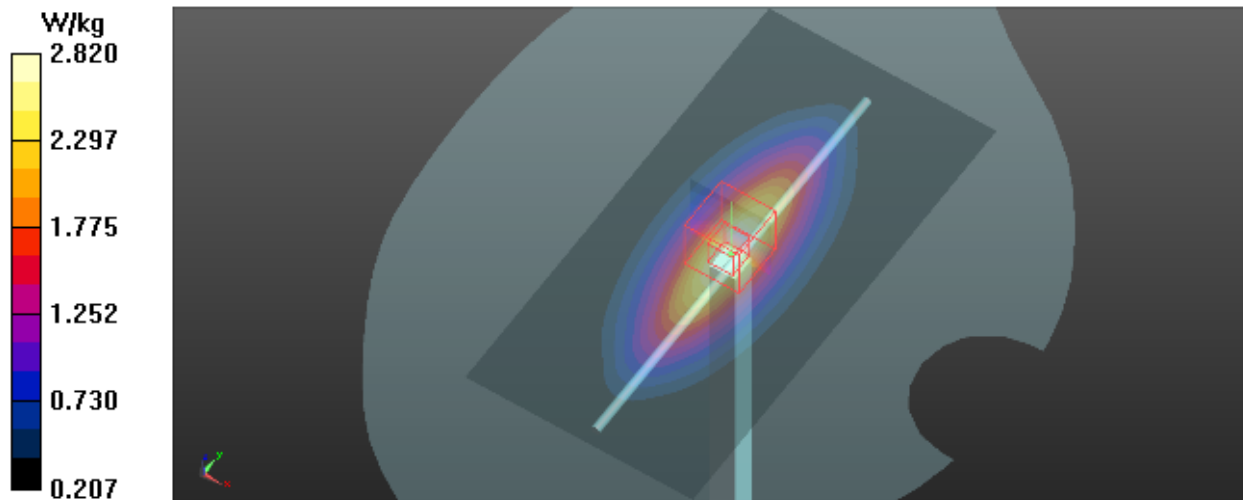
Communication System: UID 0, CW (0); Frequency: 835 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.881 \text{ S/m}$; $\epsilon_r = 43.263$; $\rho = 1000 \text{ kg/m}^3$
Ambient Temperature : $23.1 \text{ }^\circ\text{C}$; Liquid Temperature : $22.5 \text{ }^\circ\text{C}$

DASY Configuration:

- Probe: ES3DV3 - SN3162; ConvF(5.92, 5.92, 5.92) @ 835 MHz; Calibrated: 2019-04-12
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE3 Sn420; Calibrated: 2019-06-21
- Phantom: SAM Left v5.0; Type: Twin SAM; Serial: TP:1784
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (7x13x1): Interpolated grid: $dx=15 \text{ mm}$, $dy=15 \text{ mm}$
Maximum value of SAR (interpolated) = 2.80 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
Reference Value = 64.86 V/m ; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 3.80 W/kg
SAR(1 g) = 2.34 W/kg ; SAR(10 g) = 1.45 W/kg
Maximum value of SAR (measured) = 2.82 W/kg



Test Laboratory: BTL.Inc

Date: 2019-11-30

System Check_H835_1130

DUT: Dipole 835 MHz D835V2;

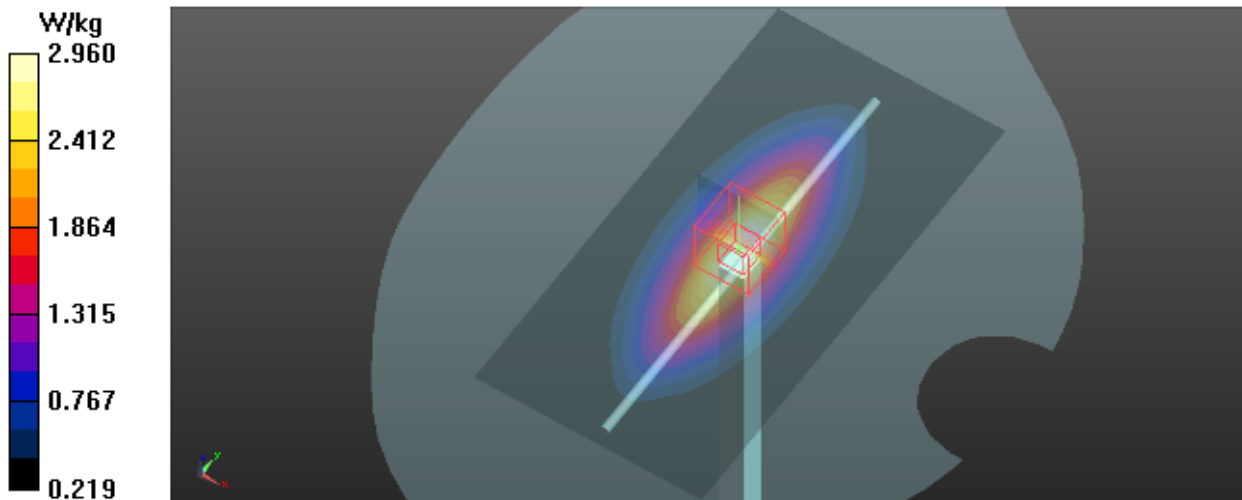
Communication System: UID 0, CW (0); Frequency: 835 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 835$ MHz; $\sigma = 0.934$ S/m; $\epsilon_r = 42.911$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.2 °C; Liquid Temperature : 22.3 °C

DASY Configuration:

- Probe: ES3DV3 - SN3162; ConvF(5.92, 5.92, 5.92) @ 835 MHz; Calibrated: 2019-04-12
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE3 Sn420; Calibrated: 2019-06-21
- Phantom: SAM Left v5.0; Type: Twin SAM; Serial: TP:1784
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (7x13x1): Interpolated grid: $dx=15$ mm, $dy=15$ mm
Maximum value of SAR (interpolated) = 2.97 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm
Reference Value = 64.88 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 4.00 W/kg
SAR(1 g) = 2.39 W/kg; SAR(10 g) = 1.53 W/kg
Maximum value of SAR (measured) = 2.96 W/kg



Test Laboratory: BTL.Inc

Date: 2019-11-30

System Check_H1750_1130

DUT: Dipole 1750 MHz D1750V2;SN:1101;

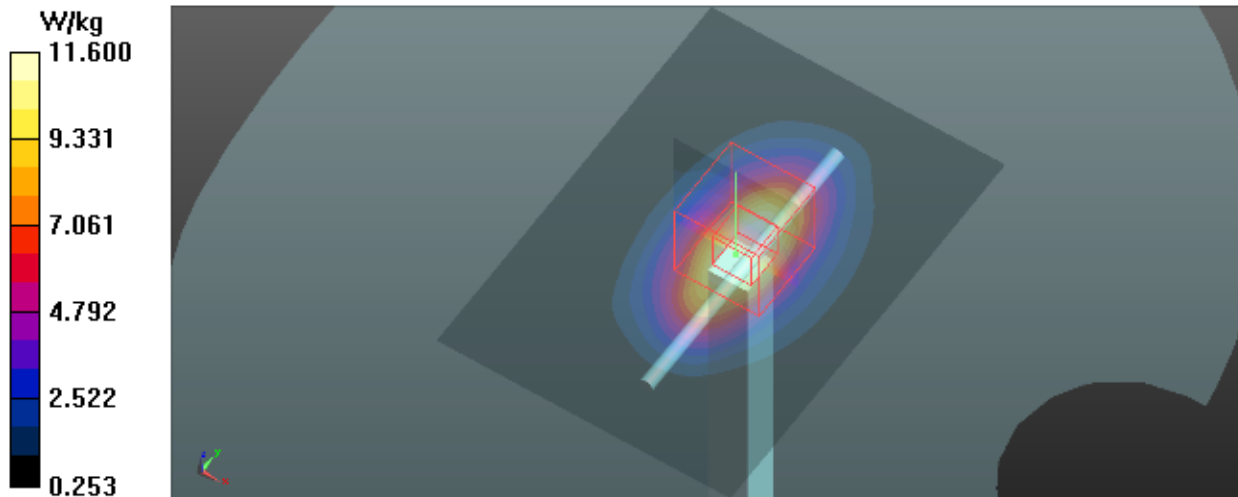
Communication System: UID 0, CW (0); Frequency: 1750 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1750$ MHz; $\sigma = 1.356$ S/m; $\epsilon_r = 40.578$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.3 °C; Liquid Temperature : 22.4 °C

DASY Configuration:

- Probe: ES3DV3 - SN3162; ConvF(5.19, 5.19, 5.19) @ 1750 MHz; Calibrated: 2019-04-12
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE3 Sn420; Calibrated: 2019-06-21
- Phantom: SAM Left v5.0; Type: Twin SAM; Serial: TP:1784
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (6x8x1): Interpolated grid: $dx=15$ mm, $dy=15$ mm
Maximum value of SAR (interpolated) = 12.3 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm
Reference Value = 100.9 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 16.5 W/kg
SAR(1 g) = 9.27 W/kg; SAR(10 g) = 4.99 W/kg
Maximum value of SAR (measured) = 11.6 W/kg



Test Laboratory: BTL.Inc

Date: 2019-12-01

System Check_H1750_1201

DUT: Dipole 1750 MHz D1750V2;SN:1101;

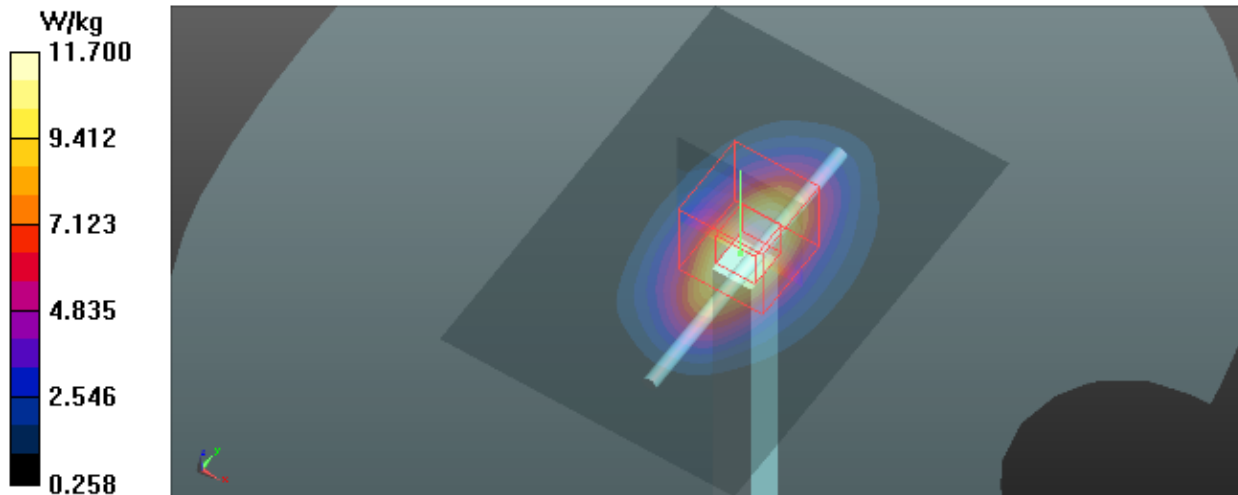
Communication System: UID 0, CW (0); Frequency: 1750 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1750$ MHz; $\sigma = 1.321$ S/m; $\epsilon_r = 40.137$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.2 °C; Liquid Temperature : 22.3 °C

DASY Configuration:

- Probe: ES3DV3 - SN3162; ConvF(5.19, 5.19, 5.19) @ 1750 MHz; Calibrated: 2019-04-12
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE3 Sn420; Calibrated: 2019-06-21
- Phantom: SAM Left v5.0; Type: Twin SAM; Serial: TP:1784
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (6x8x1): Interpolated grid: $dx=15$ mm, $dy=15$ mm
Maximum value of SAR (interpolated) = 12.4 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm
Reference Value = 102.6 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 16.6 W/kg
SAR(1 g) = 9.37 W/kg; SAR(10 g) = 5.04 W/kg
Maximum value of SAR (measured) = 11.7 W/kg



Test Laboratory: BTL.Inc

Date: 2019-12-02

System Check_H1750_1202

DUT: Dipole 1750 MHz D1750V2;SN:1101;

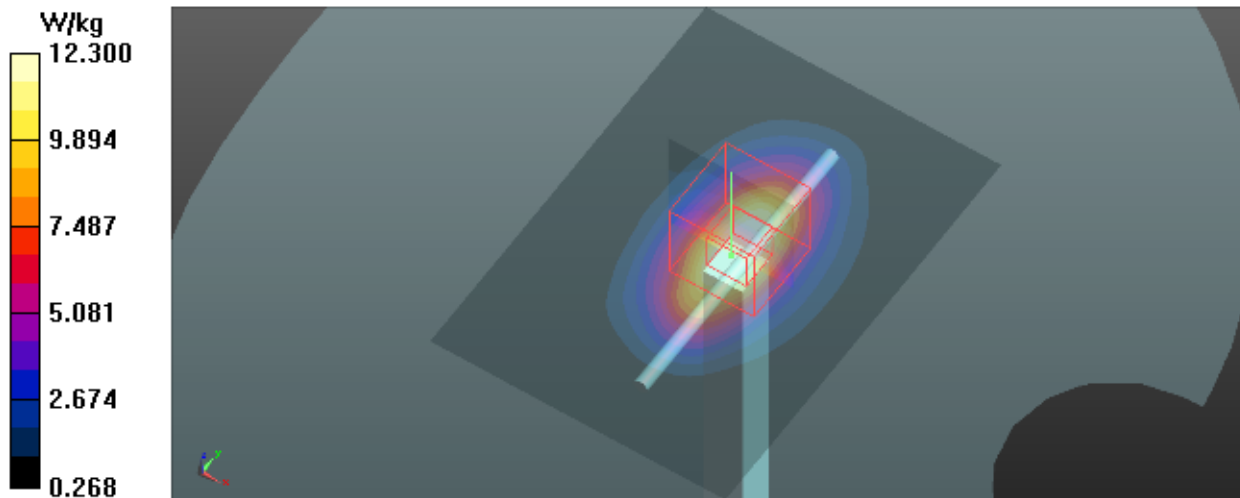
Communication System: UID 0, CW (0); Frequency: 1750 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1750$ MHz; $\sigma = 1.387$ S/m; $\epsilon_r = 41.439$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.1 °C; Liquid Temperature : 22.3 °C

DASY Configuration:

- Probe: ES3DV3 - SN3162; ConvF(5.19, 5.19, 5.19) @ 1750 MHz; Calibrated: 2019-04-12
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE3 Sn420; Calibrated: 2019-06-21
- Phantom: SAM Left v5.0; Type: Twin SAM; Serial: TP:1784
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (6x8x1): Interpolated grid: $dx=15$ mm, $dy=15$ mm
Maximum value of SAR (interpolated) = 13.2 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm
Reference Value = 104.5 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 17.5 W/kg
SAR(1 g) = 9.7 W/kg; SAR(10 g) = 5.18 W/kg
Maximum value of SAR (measured) = 12.3 W/kg



Test Laboratory: BTL.Inc

Date: 2019-12-16

System Check_H1750_1216

DUT: Dipole 1750 MHz D1750V2;SN:1101;

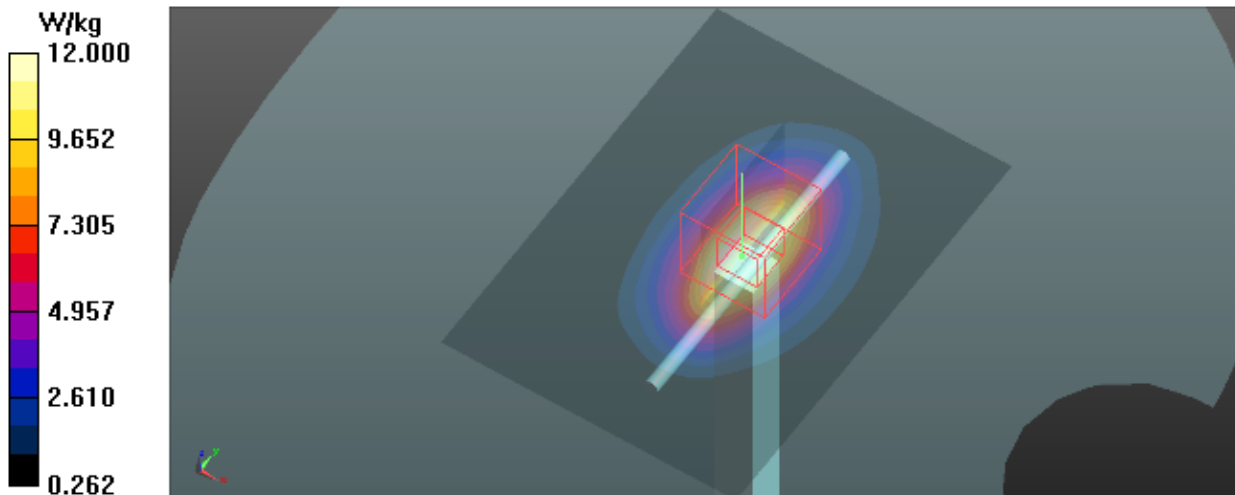
Communication System: UID 0, CW (0); Frequency: 1750 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1750$ MHz; $\sigma = 1.405$ S/m; $\epsilon_r = 41.336$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.3 °C; Liquid Temperature : 22.4 °C

DASY Configuration:

- Probe: ES3DV3 - SN3162; ConvF(5.19, 5.19, 5.19) @ 1750 MHz; Calibrated: 2019-04-12
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE3 Sn420; Calibrated: 2019-06-21
- Phantom: SAM Left v5.0; Type: Twin SAM; Serial: TP:1784
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (6x8x1): Interpolated grid: $dx=15$ mm, $dy=15$ mm
Maximum value of SAR (interpolated) = 12.7 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm
Reference Value = 100.9 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 17.1 W/kg
SAR(1 g) = 9.61 W/kg; SAR(10 g) = 5.17 W/kg
Maximum value of SAR (measured) = 12.0 W/kg



Test Laboratory: BTL.Inc

Date: 2019-12-17

System Check_H1750_1217

DUT: Dipole 1750 MHz D1750V2;SN:1101;

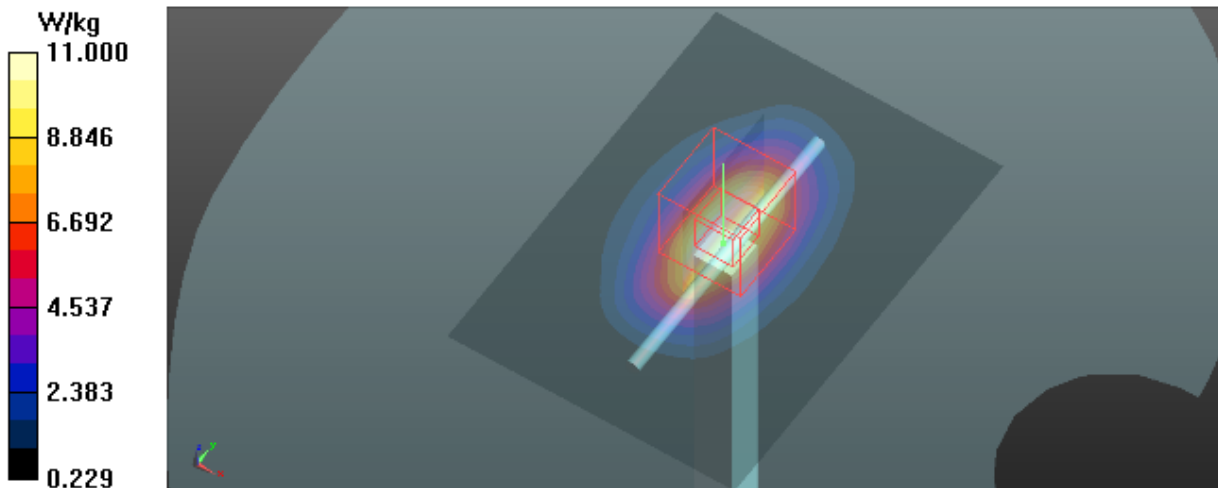
Communication System: UID 0, CW (0); Frequency: 1750 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1750$ MHz; $\sigma = 1.372$ S/m; $\epsilon_r = 41.15$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.3 °C; Liquid Temperature : 22.3 °C

DASY Configuration:

- Probe: ES3DV3 - SN3162; ConvF(5.19, 5.19, 5.19) @ 1750 MHz; Calibrated: 2019-04-12
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE3 Sn420; Calibrated: 2019-06-21
- Phantom: SAM Left v5.0; Type: Twin SAM; Serial: TP:1784
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (6x8x1): Interpolated grid: $dx=15$ mm, $dy=15$ mm
Maximum value of SAR (interpolated) = 11.8 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm
Reference Value = 100.5 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 15.9 W/kg
SAR(1 g) = 8.88 W/kg; SAR(10 g) = 4.78 W/kg
Maximum value of SAR (measured) = 11.0 W/kg



Test Laboratory: BTL.Inc

Date: 2019-12-02

System Check_H1900_1202

DUT: Dipole 1900 MHz D1900V2;SN:5d179;

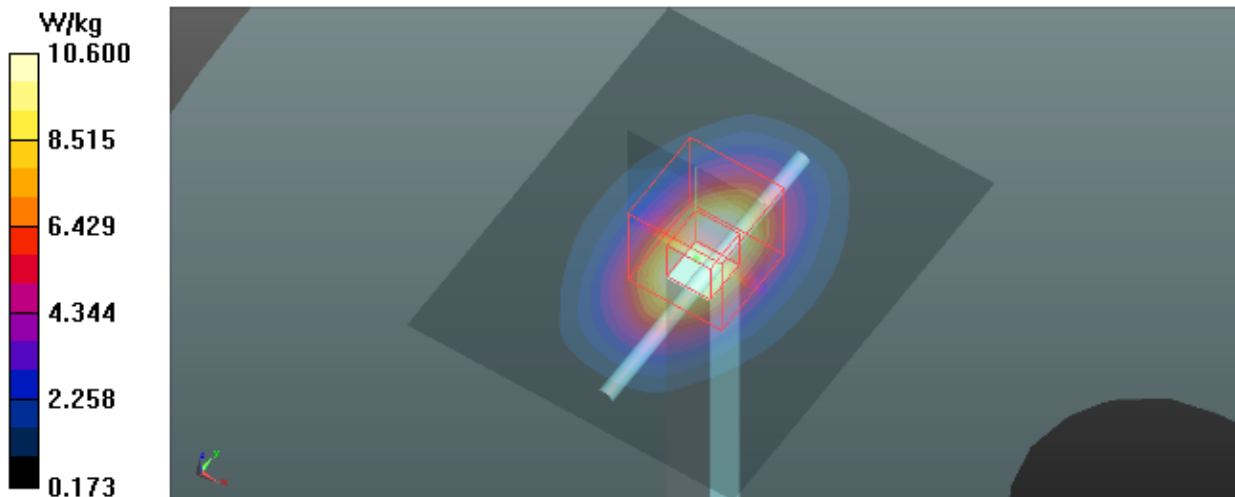
Communication System: UID 0, CW (0); Frequency: 1900 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1900$ MHz; $\sigma = 1.37$ S/m; $\epsilon_r = 39.99$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.1 °C; Liquid Temperature : 22.3 °C

DASY Configuration:

- Probe: ES3DV3 - SN3162; ConvF(4.9, 4.9, 4.9) @ 1900 MHz; Calibrated: 2019-04-12
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE3 Sn420; Calibrated: 2019-06-21
- Phantom: SAM Left v5.0; Type: Twin SAM; Serial: TP:1784
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (6x7x1): Interpolated grid: $dx=15$ mm, $dy=15$ mm
Maximum value of SAR (interpolated) = 11.6 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm
Reference Value = 101.6 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 17.7 W/kg
SAR(1 g) = 9.5 W/kg; SAR(10 g) = 4.93 W/kg
Maximum value of SAR (measured) = 10.6 W/kg



Test Laboratory: BTL.Inc

Date: 2019-12-03

System Check_H1900_1203

DUT: Dipole 1900 MHz D1900V2;SN:5d179;

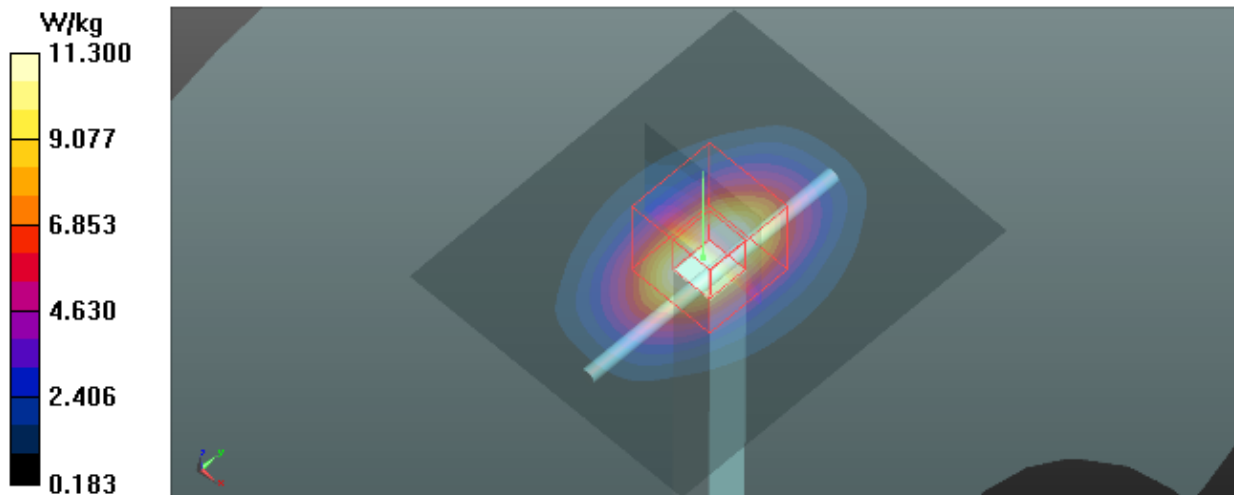
Communication System: UID 0, CW (0); Frequency: 1900 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1900$ MHz; $\sigma = 1.392$ S/m; $\epsilon_r = 39.529$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.2 °C; Liquid Temperature : 22.5 °C

DASY Configuration:

- Probe: ES3DV3 - SN3162; ConvF(4.9, 4.9, 4.9) @ 1900 MHz; Calibrated: 2019-04-12
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE3 Sn420; Calibrated: 2019-06-21
- Phantom: SAM Left v5.0; Type: Twin SAM; Serial: TP:1784
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (6x7x1): Interpolated grid: $dx=15$ mm, $dy=15$ mm
Maximum value of SAR (interpolated) = 12.3 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm
Reference Value = 103.6 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 18.7 W/kg
SAR(1 g) = 10.1 W/kg; SAR(10 g) = 5.23 W/kg
Maximum value of SAR (measured) = 11.3 W/kg



Test Laboratory: BTL.Inc

Date: 2019-12-15

System Check_H1900_1215**DUT: Dipole 1900 MHz D1900V2;SN:5d179;**

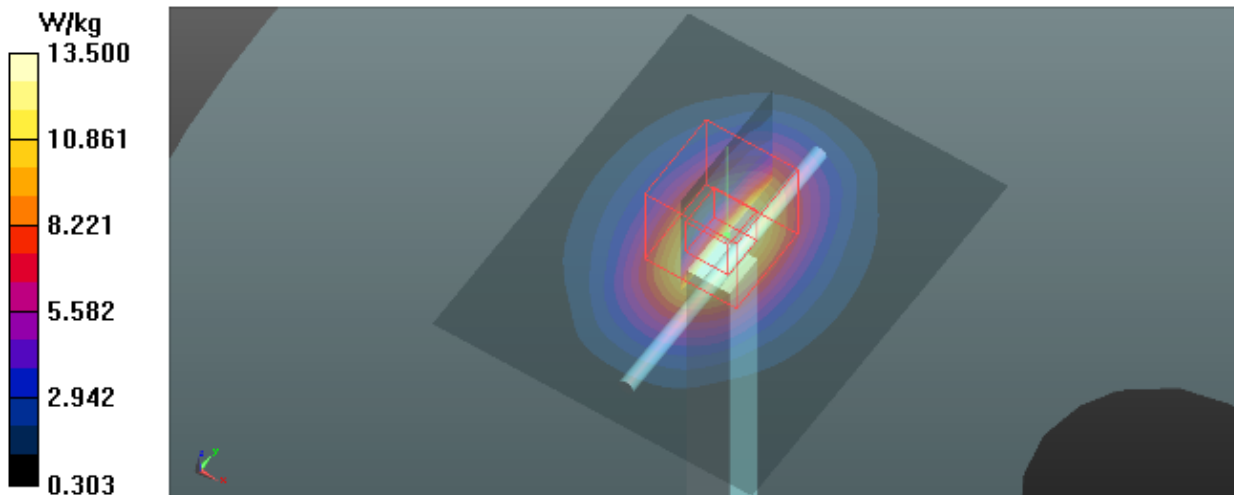
Communication System: UID 0, CW (0); Frequency: 1900 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1900$ MHz; $\sigma = 1.365$ S/m; $\epsilon_r = 39.636$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.1 °C; Liquid Temperature : 22.4 °C

DASY Configuration:

- Probe: ES3DV3 - SN3162; ConvF(4.9, 4.9, 4.9) @ 1900 MHz; Calibrated: 2019-04-12
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE3 Sn420; Calibrated: 2019-06-21
- Phantom: SAM Left v5.0; Type: Twin SAM; Serial: TP:1784
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (6x7x1): Interpolated grid: $dx=15$ mm, $dy=15$ mm
Maximum value of SAR (interpolated) = 14.1 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm
Reference Value = 95.25 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 15.9 W/kg
SAR(1 g) = 9.41 W/kg; SAR(10 g) = 5.18 W/kg
Maximum value of SAR (measured) = 13.5 W/kg



Test Laboratory: BTL.Inc

Date: 2019-12-16

System Check_H1900_1216

DUT: Dipole 1900 MHz D1900V2;SN:5d179;

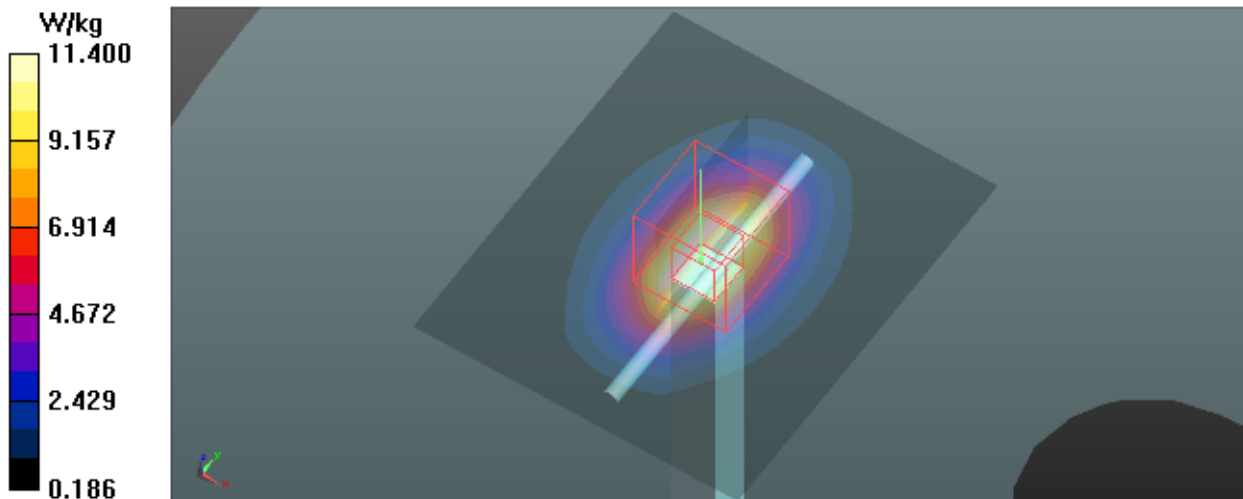
Communication System: UID 0, CW (0); Frequency: 1900 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1900$ MHz; $\sigma = 1.443$ S/m; $\epsilon_r = 39.72$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.3 °C; Liquid Temperature : 22.4 °C

DASY Configuration:

- Probe: ES3DV3 - SN3162; ConvF(4.9, 4.9, 4.9) @ 1900 MHz; Calibrated: 2019-04-12
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE3 Sn420; Calibrated: 2019-06-21
- Phantom: SAM Right v5.0; Type: QD000P40CC; Serial: TP:1469
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (6x7x1): Interpolated grid: $dx=15$ mm, $dy=15$ mm
Maximum value of SAR (interpolated) = 12.5 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm
Reference Value = 102.5 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 19.0 W/kg
SAR(1 g) = 10.2 W/kg; SAR(10 g) = 5.3 W/kg
Maximum value of SAR (measured) = 11.4 W/kg



Test Laboratory: BTL.Inc

Date: 2019-12-05

System Check_H2450_1205

DUT: Dipole 2450 MHz D2450V2;SN:919;

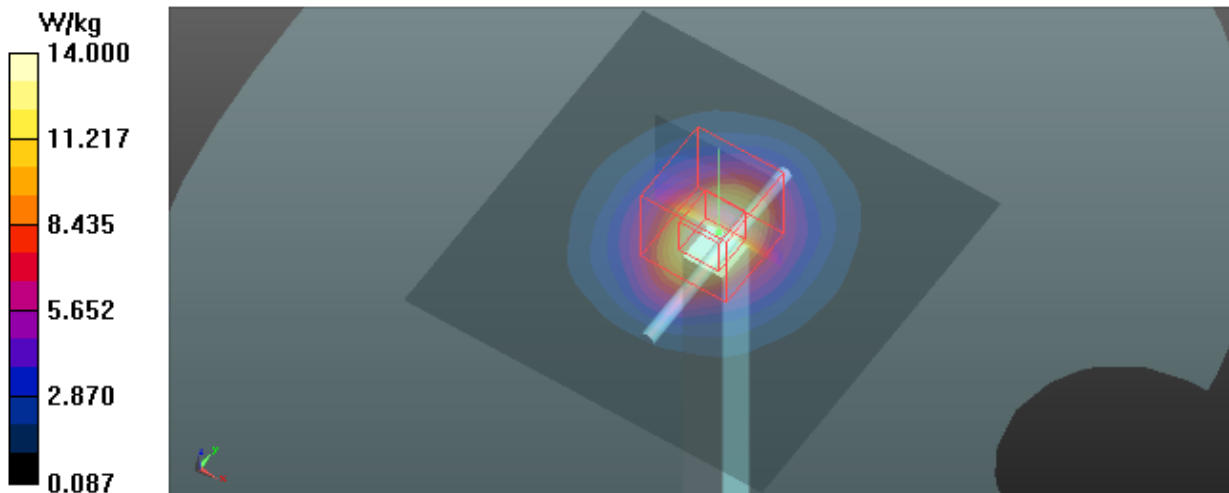
Communication System: UID 0, CW (0); Frequency: 2450 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 2450$ MHz; $\sigma = 1.859$ S/m; $\epsilon_r = 38.018$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.4 °C; Liquid Temperature : 22.3 °C

DASY Configuration:

- Probe: ES3DV3 - SN3162; ConvF(4.5, 4.5, 4.5) @ 2450 MHz; Calibrated: 2019-04-12
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE3 Sn420; Calibrated: 2019-06-21
- Phantom: SAM Left v5.0; Type: Twin SAM; Serial: TP:1784
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (8x8x1): Interpolated grid: $dx=12$ mm, $dy=12$ mm
Maximum value of SAR (interpolated) = 14.8 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm
Reference Value = 101.4 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 25.3 W/kg
SAR(1 g) = 12.7 W/kg; SAR(10 g) = 6.21 W/kg
Maximum value of SAR (measured) = 14.0 W/kg



Test Laboratory: BTL.Inc

Date: 2019-12-03

System Check_H2600_1203

DUT: Dipole 2600 MHz D2600V2;SN:1067;

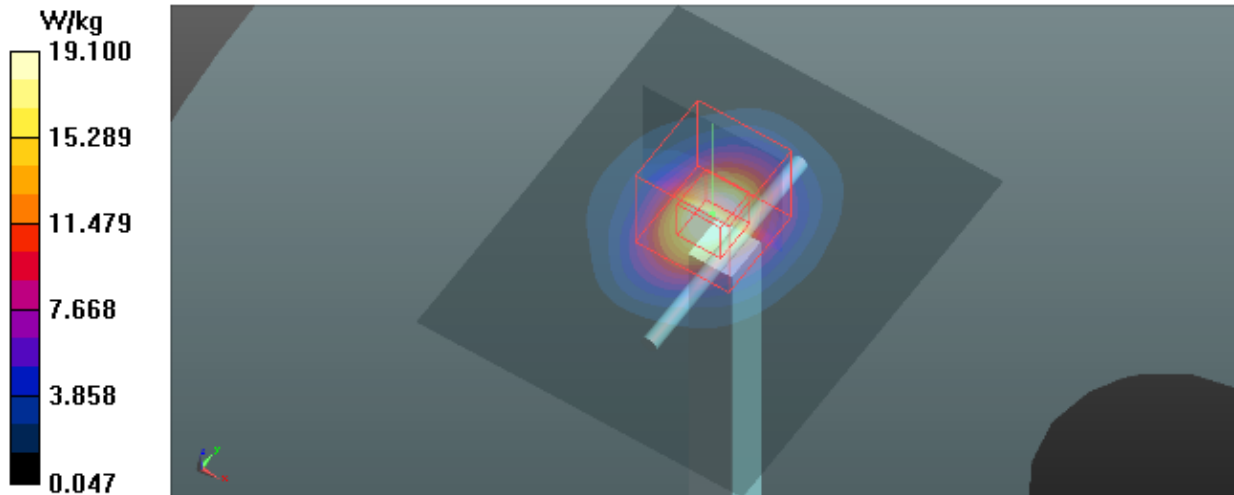
Communication System: UID 0, CW (0); Frequency: 2600 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2600$ MHz; $\sigma = 2.028$ S/m; $\epsilon_r = 37.451$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.2 °C; Liquid Temperature : 22.5 °C

DASY Configuration:

- Probe: ES3DV3 - SN3162; ConvF(4.38, 4.38, 4.38) @ 2600 MHz; Calibrated: 2019-04-12
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE3 Sn420; Calibrated: 2019-06-21
- Phantom: SAM Left v5.0; Type: Twin SAM; Serial: TP:1784
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (7x8x1): Interpolated grid: $dx=12$ mm, $dy=12$ mm
Maximum value of SAR (interpolated) = 21.5 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm
Reference Value = 99.46 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 32.6 W/kg
SAR(1 g) = 14.2 W/kg; SAR(10 g) = 6.16 W/kg
Maximum value of SAR (measured) = 19.1 W/kg



Test Laboratory: BTL.Inc

Date: 2019-12-04

System Check_H2600_1204

DUT: Dipole 2600 MHz D2600V2;SN:1067;

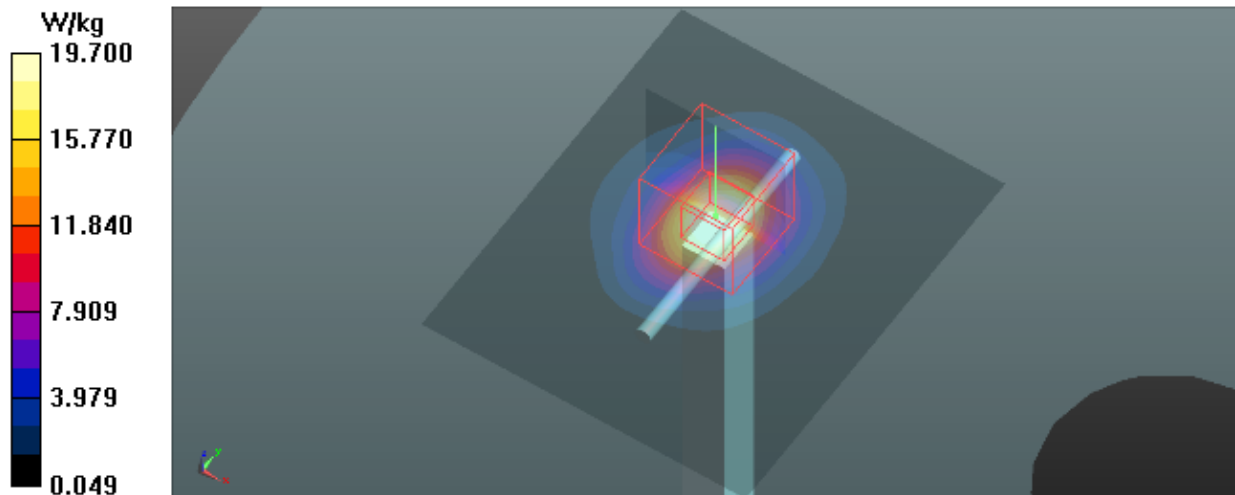
Communication System: UID 0, CW (0); Frequency: 2600 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2600$ MHz; $\sigma = 2.051$ S/m; $\epsilon_r = 37.628$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.3 °C; Liquid Temperature : 22.4 °C

DASY Configuration:

- Probe: ES3DV3 - SN3162; ConvF(4.38, 4.38, 4.38) @ 2600 MHz; Calibrated: 2019-04-12
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE3 Sn420; Calibrated: 2019-06-21
- Phantom: SAM Left v5.0; Type: Twin SAM; Serial: TP:1784
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (7x8x1): Interpolated grid: $dx=12$ mm, $dy=12$ mm
Maximum value of SAR (interpolated) = 22.2 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm
Reference Value = 100.8 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 33.8 W/kg
SAR(1 g) = 14.7 W/kg; SAR(10 g) = 6.38 W/kg
Maximum value of SAR (measured) = 19.7 W/kg



Test Laboratory: BTL.Inc

Date: 2019-12-05

System Check_H2600_1205**DUT: Dipole 2600 MHz D2600V2;SN:1067;**

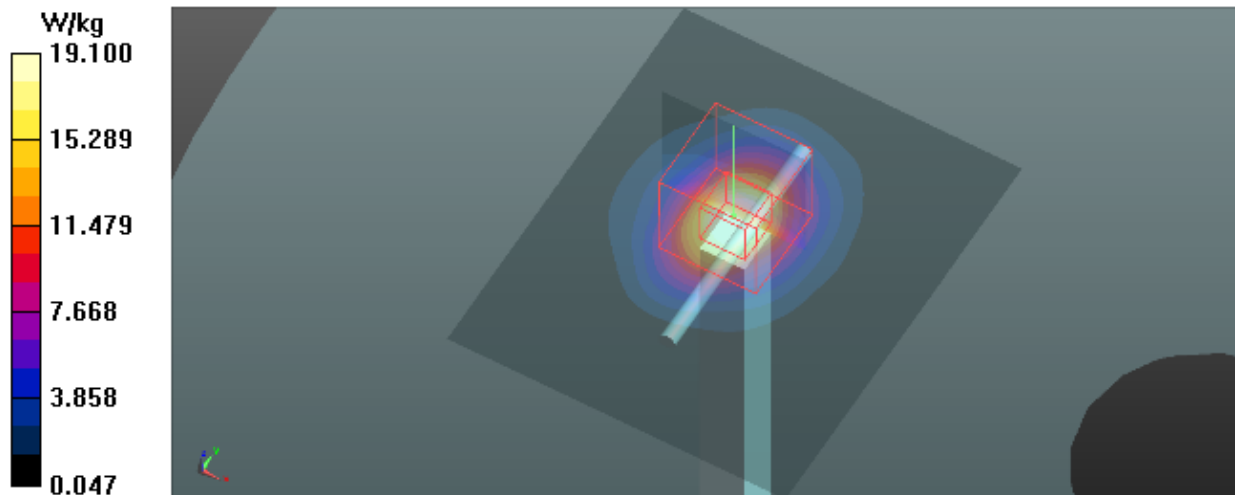
Communication System: UID 0, CW (0); Frequency: 2600 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2600$ MHz; $\sigma = 2.024$ S/m; $\epsilon_r = 38.655$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.4 °C; Liquid Temperature : 22.3 °C

DASY Configuration:

- Probe: ES3DV3 - SN3162; ConvF(4.38, 4.38, 4.38) @ 2600 MHz; Calibrated: 2019-04-12
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE3 Sn420; Calibrated: 2019-06-21
- Phantom: SAM Left v5.0; Type: Twin SAM; Serial: TP:1784
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (7x8x1): Interpolated grid: $dx=12$ mm, $dy=12$ mm
Maximum value of SAR (interpolated) = 21.6 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm
Reference Value = 99.94 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 32.8 W/kg
SAR(1 g) = 14.3 W/kg; SAR(10 g) = 6.19 W/kg
Maximum value of SAR (measured) = 19.1 W/kg



Test Laboratory: BTL.Inc

Date: 2019-12-17

System Check_H2600_1217

DUT: Dipole 2600 MHz D2600V2;SN:1067;

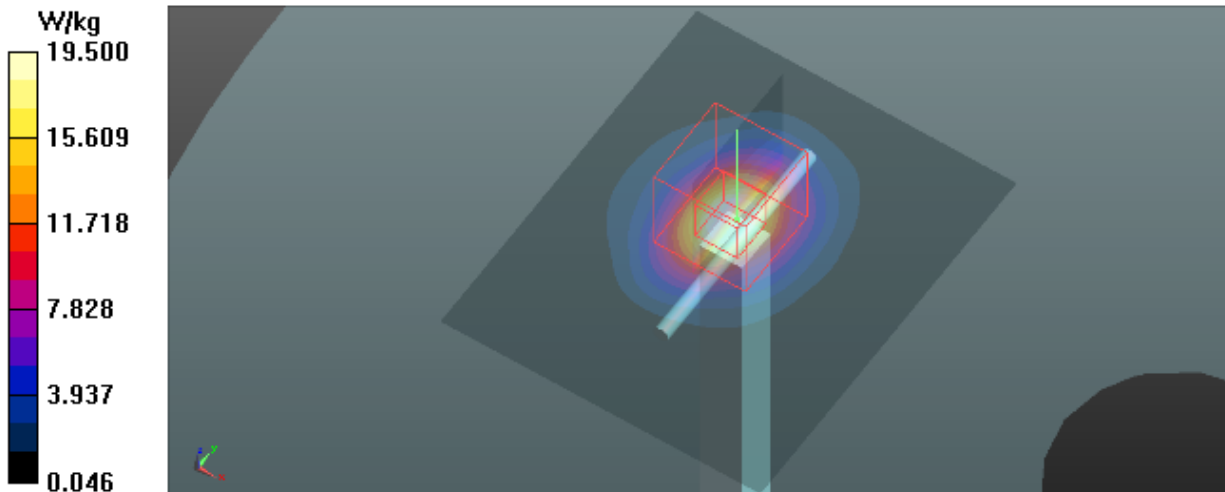
Communication System: UID 0, CW (0); Frequency: 2600 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2600$ MHz; $\sigma = 2.053$ S/m; $\epsilon_r = 38.335$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.1 °C; Liquid Temperature : 22.5 °C

DASY Configuration:

- Probe: ES3DV3 - SN3162; ConvF(4.38, 4.38, 4.38) @ 2600 MHz; Calibrated: 2019-04-12
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE3 Sn420; Calibrated: 2019-06-21
- Phantom: SAM Left v5.0; Type: Twin SAM; Serial: TP:1784
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (7x8x1): Interpolated grid: $dx=12$ mm, $dy=12$ mm
Maximum value of SAR (interpolated) = 22.1 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm
Reference Value = 100.4 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 33.6 W/kg
SAR(1 g) = 14.6 W/kg; SAR(10 g) = 6.34 W/kg
Maximum value of SAR (measured) = 19.5 W/kg



Test Laboratory: BTL.Inc

Date: 2019-12-18

System Check_H2600_1218

DUT: Dipole 2600 MHz D2600V2;SN:1067;

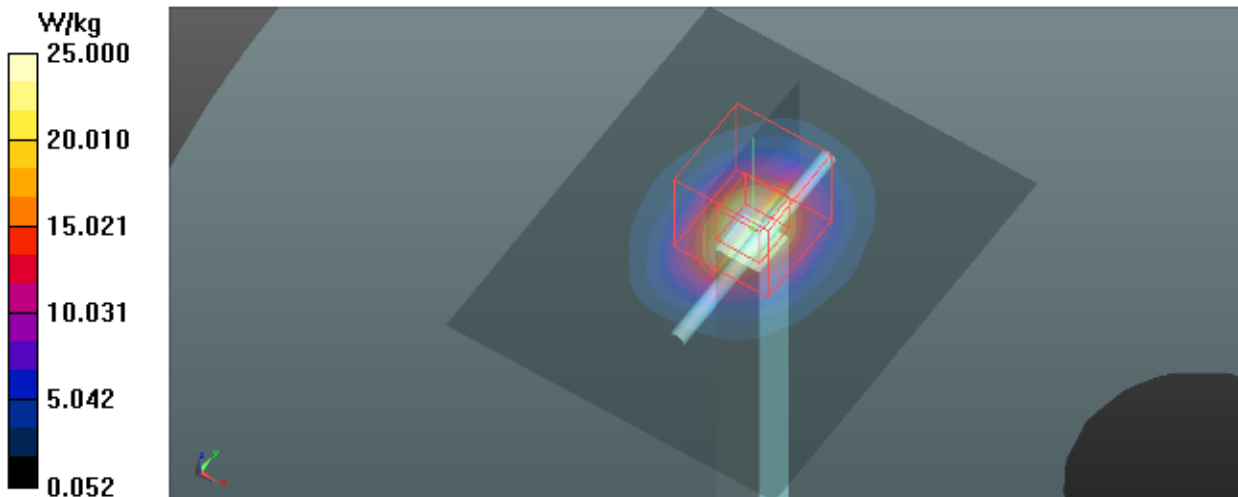
Communication System: UID 0, CW (0); Frequency: 2600 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2600$ MHz; $\sigma = 2.003$ S/m; $\epsilon_r = 37.66$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.4 °C; Liquid Temperature : 22.5 °C

DASY Configuration:

- Probe: ES3DV3 - SN3162; ConvF(4.38, 4.38, 4.38) @ 2600 MHz; Calibrated: 2019-04-12
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE3 Sn420; Calibrated: 2019-06-21
- Phantom: SAM Left v5.0; Type: Twin SAM; Serial: TP:1784
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (7x8x1): Interpolated grid: $dx=12$ mm, $dy=12$ mm
Maximum value of SAR (interpolated) = 27.4 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm
Reference Value = 106.9 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 32.1 W/kg
SAR(1 g) = 14 W/kg; SAR(10 g) = 6.09 W/kg
Maximum value of SAR (measured) = 25.0 W/kg



Test Laboratory: BTL.Inc

Date: 2019-12-06

System Check_H5200_1206

DUT: Dipole D5GHzV2;SN;1160;

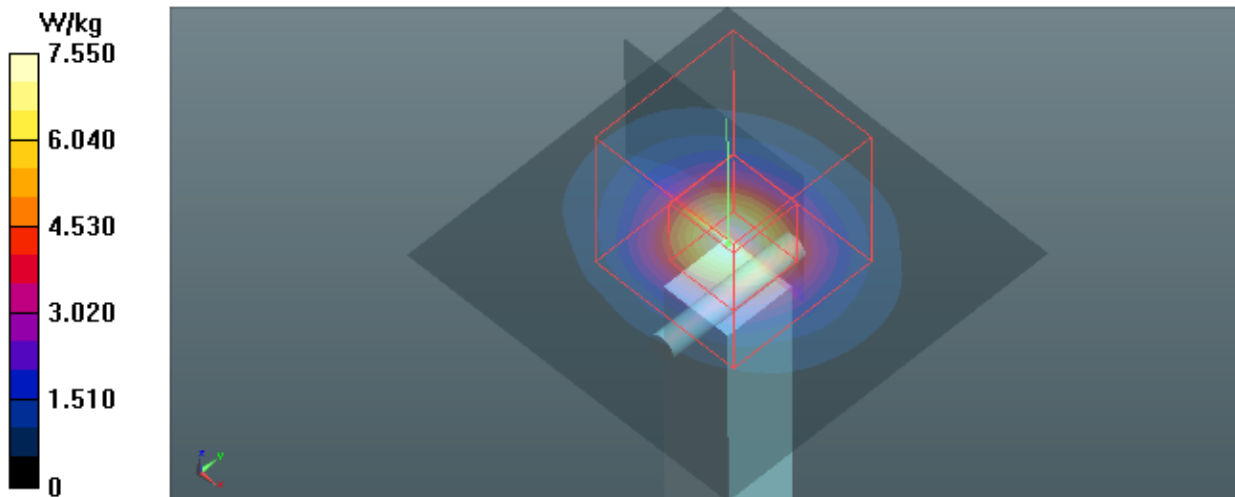
Communication System: UID 0, CW (0); Frequency: 5200 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5200$ MHz; $\sigma = 4.704$ S/m; $\epsilon_r = 36.194$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.2 °C; Liquid Temperature : 22.3 °C

DASY Configuration:

- Probe: EX3DV4 - SN7544; ConvF(5.54, 5.54, 5.54) @ 5200 MHz; Calibrated: 2019-09-09
- Sensor-Surface: 2mm (Mechanical Surface Detection), $z = 1.0, 23.0$
- Electronics: DAE4 Sn1390; Calibrated: 2019-05-25
- Phantom: SAM Left v5.0; Type: Twin SAM; Serial: TP:1784
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (6x6x1): Interpolated grid: $dx=10$ mm, $dy=10$ mm
Maximum value of SAR (interpolated) = 7.65 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm
Reference Value = 39.57 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 33.9 W/kg
SAR(1 g) = 7.29 W/kg; SAR(10 g) = 2.07 W/kg
Maximum value of SAR (measured) = 7.55 W/kg



Test Laboratory: BTL.Inc

Date: 2019-12-18

System Check_H5200_1218

DUT: Dipole D5GHzV2;SN;1160;

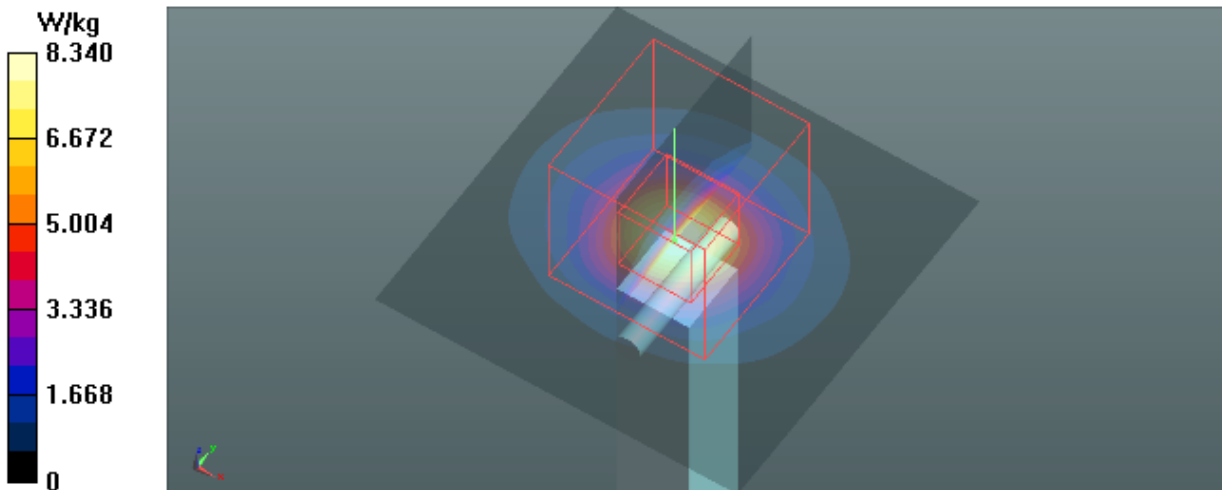
Communication System: UID 0, CW (0); Frequency: 5200 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5200$ MHz; $\sigma = 4.863$ S/m; $\epsilon_r = 36.108$; $\rho = 1000$ kg/m³
Ambient Temperature: 23.3 °C; Liquid Temperature: 22.1 °C

DASY Configuration:

- Probe: EX3DV4 - SN7544; ConvF(5.54, 5.54, 5.54) @ 5200 MHz; Calibrated: 2019-09-09
- Sensor-Surface: 2mm (Mechanical Surface Detection), $z = 1.0, 23.0$
- Electronics: DAE4 Sn1390; Calibrated: 2019-05-25
- Phantom: SAM Left v5.0; Type: Twin SAM; Serial: TP:1784
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (6x6x1): Interpolated grid: $dx=10$ mm, $dy=10$ mm
Maximum value of SAR (interpolated) = 8.65 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm
Reference Value = 41.11 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 37.6 W/kg
SAR(1 g) = 7.83 W/kg; SAR(10 g) = 2.21 W/kg
Maximum value of SAR (measured) = 8.34 W/kg



Test Laboratory: BTL.Inc

Date: 2019-12-06

System Check_H5300_1206

DUT: Dipole D5GHzV2;SN;1160;

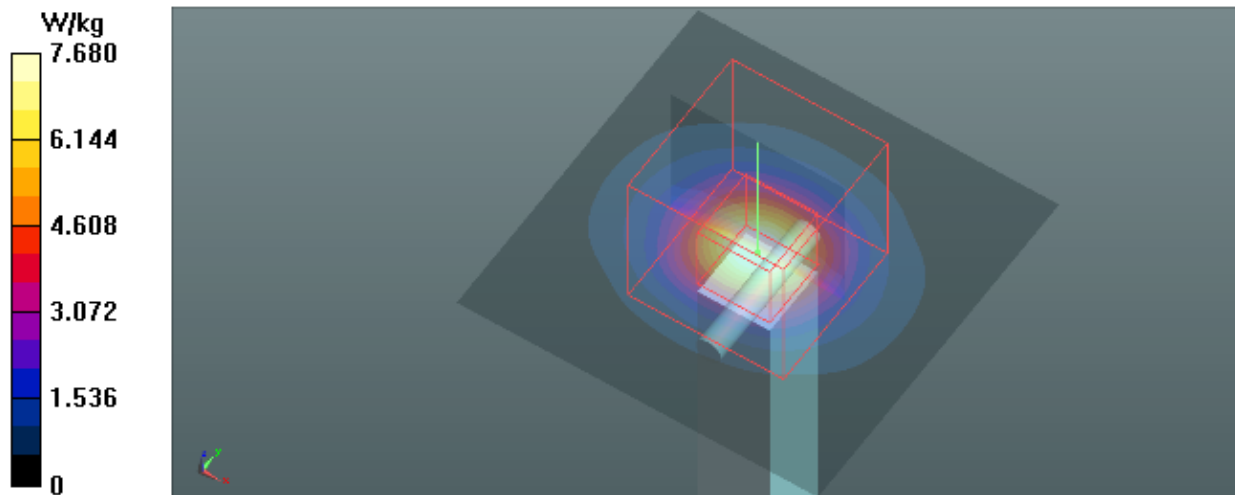
Communication System: UID 0, CW (0); Frequency: 5300 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 5300$ MHz; $\sigma = 4.815$ S/m; $\epsilon_r = 35.943$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.2 °C; Liquid Temperature : 22.3 °C

DASY Configuration:

- Probe: EX3DV4 - SN7544; ConvF(5.21, 5.21, 5.21) @ 5300 MHz; Calibrated: 2019-09-09
- Sensor-Surface: 2mm (Mechanical Surface Detection), $z = 1.0, 23.0$
- Electronics: DAE4 Sn1390; Calibrated: 2019-05-25
- Phantom: SAM Left v5.0; Type: Twin SAM; Serial: TP:1784
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (6x6x1): Interpolated grid: $dx=10$ mm, $dy=10$ mm
Maximum value of SAR (interpolated) = 8.25 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm
Reference Value = 40.45 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 39.6 W/kg
SAR(1 g) = 7.81 W/kg; SAR(10 g) = 2.21 W/kg
Maximum value of SAR (measured) = 7.68 W/kg



Test Laboratory: BTL.Inc

Date: 2019-12-06

System Check_H5500_1206

DUT: Dipole D5GHzV2;SN;1160;

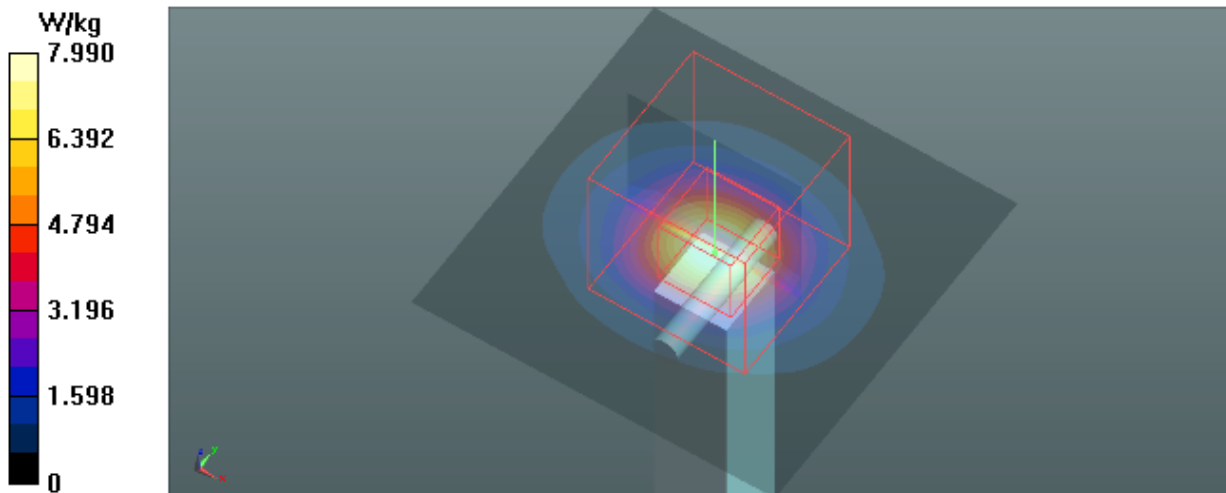
Communication System: UID 0, CW (0); Frequency: 5500 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5500$ MHz; $\sigma = 5.037$ S/m; $\epsilon_r = 35.486$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.2 °C; Liquid Temperature : 22.3 °C

DASY Configuration:

- Probe: EX3DV4 - SN7544; ConvF(4.95, 4.95, 4.95) @ 5500 MHz; Calibrated: 2019-09-09
- Sensor-Surface: 2mm (Mechanical Surface Detection), $z = 1.0, 23.0$
- Electronics: DAE4 Sn1390; Calibrated: 2019-05-25
- Phantom: SAM Left v5.0; Type: Twin SAM; Serial: TP:1784
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (6x6x1): Interpolated grid: $dx=10$ mm, $dy=10$ mm
Maximum value of SAR (interpolated) = 8.44 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm
Reference Value = 40.32 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 44.5 W/kg
SAR(1 g) = 8.36 W/kg; SAR(10 g) = 2.35 W/kg
Maximum value of SAR (measured) = 7.99 W/kg



Test Laboratory: BTL.Inc

Date: 2019-12-06

System Check_H5600_1206

DUT: Dipole D5GHzV2;SN;1160;

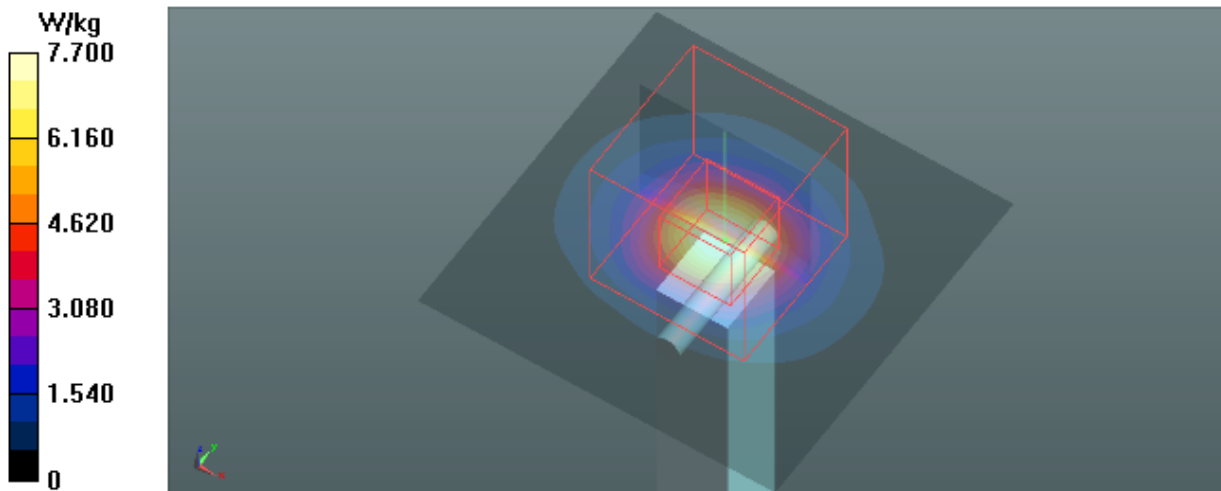
Communication System: UID 0, CW (0); Frequency: 5600 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5600$ MHz; $\sigma = 5.159$ S/m; $\epsilon_r = 35.272$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.2 °C; Liquid Temperature : 22.3 °C

DASY Configuration:

- Probe: EX3DV4 - SN7544; ConvF(4.81, 4.81, 4.81) @ 5600 MHz; Calibrated: 2019-09-09
- Sensor-Surface: 2mm (Mechanical Surface Detection), $z = 1.0, 23.0$
- Electronics: DAE4 Sn1390; Calibrated: 2019-05-25
- Phantom: SAM Left v5.0; Type: Twin SAM; Serial: TP:1784
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (6x6x1): Interpolated grid: $dx=10$ mm, $dy=10$ mm
Maximum value of SAR (interpolated) = 7.87 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm
Reference Value = 38.03 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 41.4 W/kg
SAR(1 g) = 7.96 W/kg; SAR(10 g) = 2.23 W/kg
Maximum value of SAR (measured) = 7.70 W/kg



Test Laboratory: BTL.Inc

Date: 2019-12-06

System Check_H5800_1206

DUT: Dipole D5GHzV2;SN;1160;

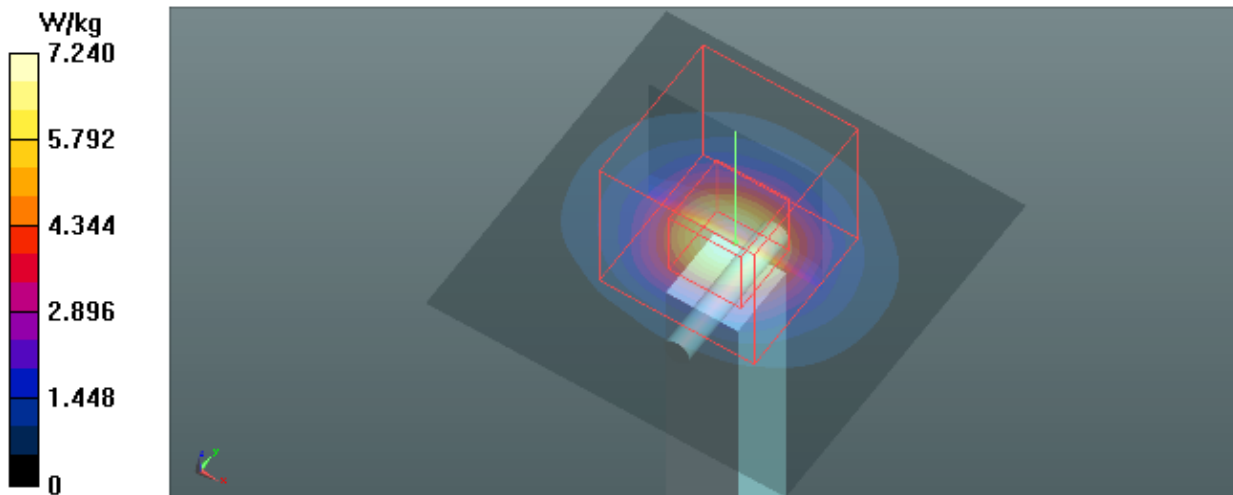
Communication System: UID 0, CW (0); Frequency: 5800 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5800$ MHz; $\sigma = 5.411$ S/m; $\epsilon_r = 34.835$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.2 °C; Liquid Temperature : 22.3 °C

DASY Configuration:

- Probe: EX3DV4 - SN7544; ConvF(4.75, 4.75, 4.75) @ 5800 MHz; Calibrated: 2019-09-09
- Sensor-Surface: 2mm (Mechanical Surface Detection), $z = 1.0, 23.0$
- Electronics: DAE4 Sn1390; Calibrated: 2019-05-25
- Phantom: SAM Left v5.0; Type: Twin SAM; Serial: TP:1784
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (6x6x1): Interpolated grid: $dx=10$ mm, $dy=10$ mm
Maximum value of SAR (interpolated) = 7.31 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm
Reference Value = 36.09 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 43.7 W/kg
SAR(1 g) = 7.83 W/kg; SAR(10 g) = 2.19 W/kg
Maximum value of SAR (measured) = 7.24 W/kg



Test Laboratory: BTL.Inc

Date: 2019-12-18

System Check_H5800_1218

DUT: Dipole D5GHzV2;SN;1160;

Communication System: UID 0, CW (0); Frequency: 5800 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5800$ MHz; $\sigma = 5.53$ S/m; $\epsilon_r = 35.199$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.3 °C; Liquid Temperature : 22.1 °C

DASY Configuration:

- Probe: EX3DV4 - SN7544; ConvF(4.75, 4.75, 4.75) @ 5800 MHz; Calibrated: 2019-09-09
- Sensor-Surface: 2mm (Mechanical Surface Detection), $z = 1.0, 23.0$
- Electronics: DAE4 Sn1390; Calibrated: 2019-05-25
- Phantom: SAM Left v5.0; Type: Twin SAM; Serial: TP:1784
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (6x6x1): Interpolated grid: $dx=10$ mm, $dy=10$ mm
Maximum value of SAR (interpolated) = 7.51 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm
Reference Value = 36.08 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 45.4 W/kg
SAR(1 g) = 8.07 W/kg; SAR(10 g) = 2.25 W/kg
Maximum value of SAR (measured) = 7.41 W/kg

