Appendix A. SAR Plots of System Verification

The plots for system verification with largest deviation for each SAR system combination are shown as follows.

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2018/11/18

System Check_H750_181118

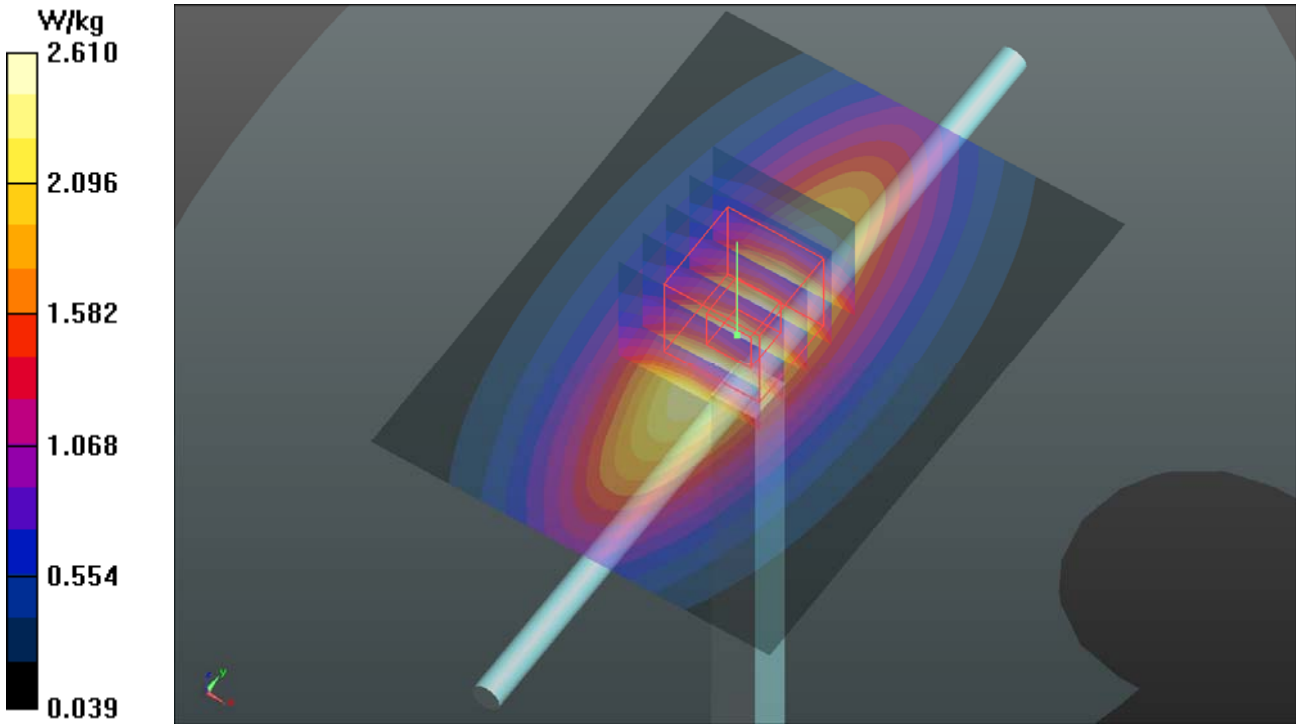
DUT: Dipole 750 MHz; Type: D750V3; SN: 1013

Communication System: CW; Frequency: 750 MHz;Duty Cycle: 1:1
Medium: H06T09N1_1118 Medium parameters used: f = 750 MHz; σ = 0.892 S/m; ε_r = 42.971; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃ ； Liquid Temperature：23.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(10.34, 10.34, 10.34); Calibrated: 2018/07/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2018/08/27
- Phantom: Twin SAM Phantom_1654; Type: QD000P40;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

Pin=250mW/Area Scan (61x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 2.61 W/kg

Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 56.41 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 2.97 W/kg
SAR(1 g) = 1.93 W/kg; SAR(10 g) = 1.26 W/kg
Maximum value of SAR (measured) = 2.61 W/kg



Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2018/11/18

System Check_H835_181118

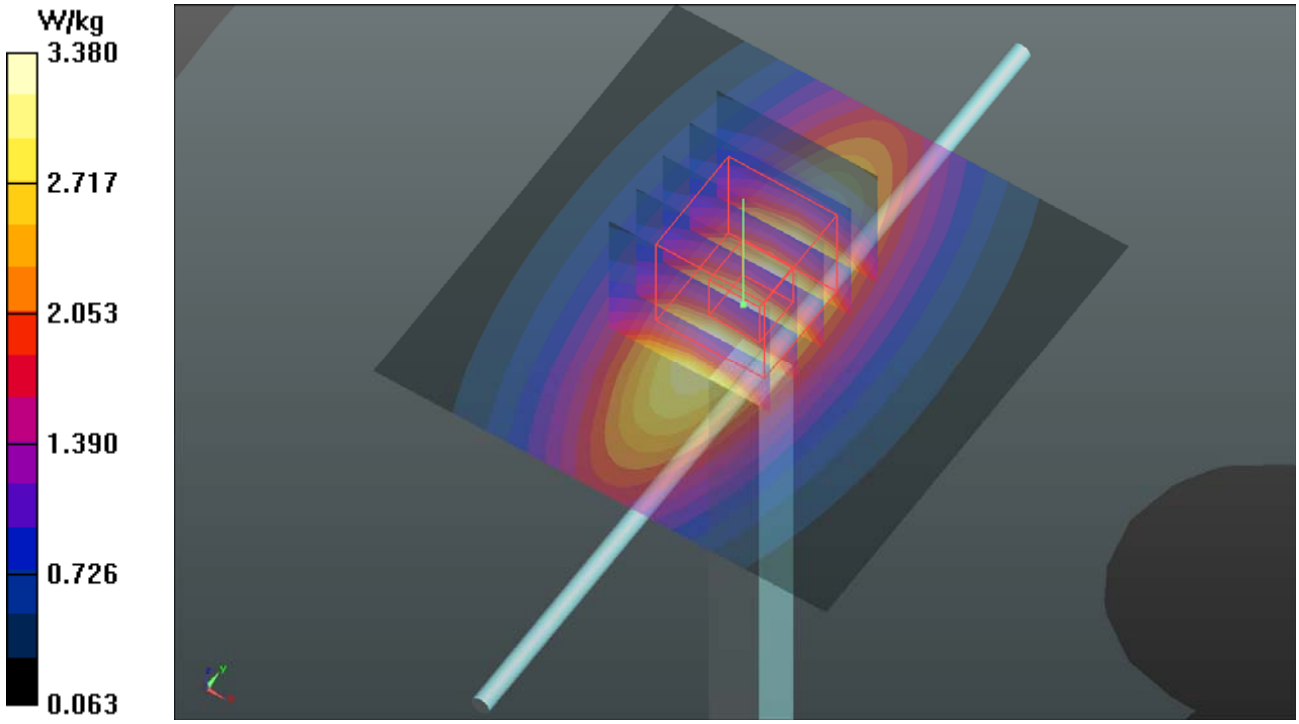
DUT: Dipole 835 MHz; Type: D835V2; SN: 4d121

Communication System: CW; Frequency: 835 MHz;Duty Cycle: 1:1
Medium: H07T10N1_1118 Medium parameters used: f = 835 MHz; σ = 0.919 S/m; ε_r = 41.747; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃ ； Liquid Temperature：23.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(9.88, 9.88, 9.88); Calibrated: 2018/07/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2018/08/27
- Phantom: Twin SAM Phantom_1654; Type: QD000P40;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

Pin=250mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 3.38 W/kg

Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 63.15 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 3.89 W/kg
SAR(1 g) = 2.5 W/kg; SAR(10 g) = 1.62 W/kg
Maximum value of SAR (measured) = 3.42 W/kg



Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2018/11/18

System Check_H1750_181118

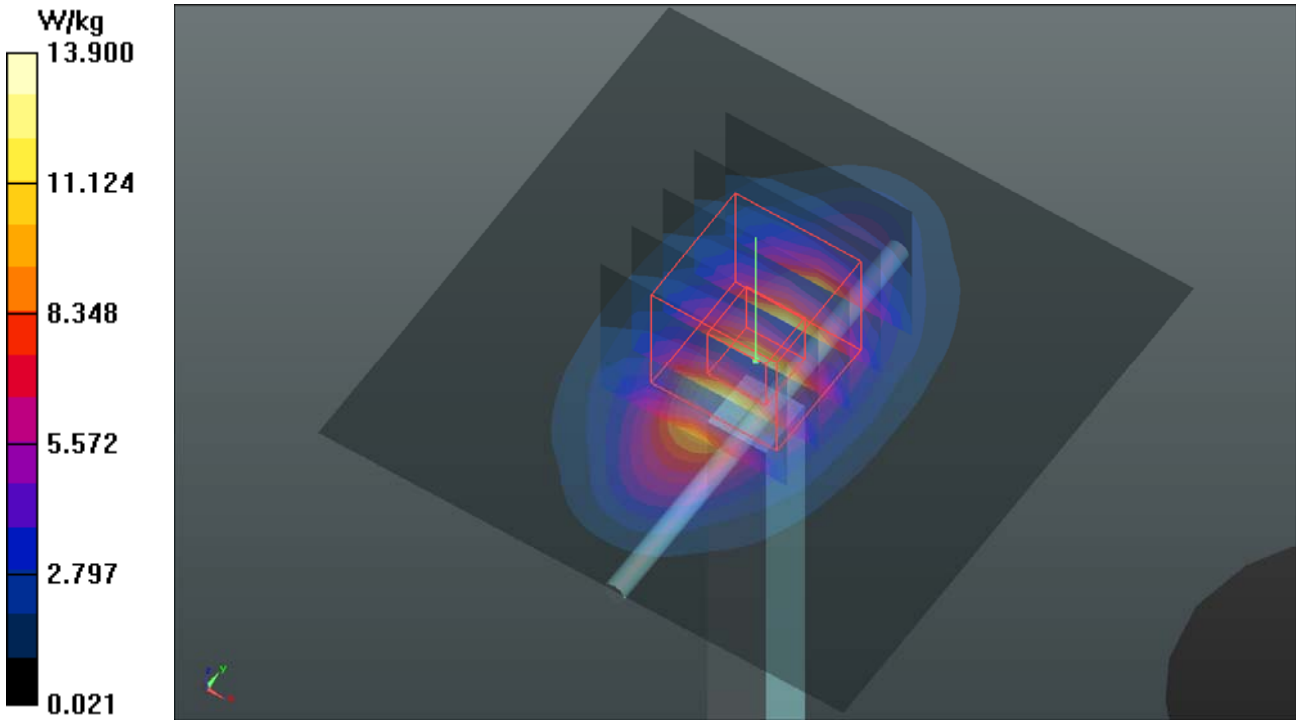
DUT: Dipole 1750 MHz; Type: D1750V2; SN: 1055

Communication System: CW; Frequency: 1750 MHz;Duty Cycle: 1:1
Medium: H16T20N1_1118 Medium parameters used: f = 1750 MHz; σ = 1.331 S/m; ε_r = 38.691; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃ ； Liquid Temperature：23.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(8.6, 8.6, 8.6); Calibrated: 2018/07/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2018/08/27
- Phantom: Twin SAM Phantom_1654; Type: QD000P40;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

Pin=250mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 13.9 W/kg

Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 106.4 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 16.4 W/kg
SAR(1 g) = 8.99 W/kg; SAR(10 g) = 4.76 W/kg
Maximum value of SAR (measured) = 13.9 W/kg



Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2018/12/04

System Check_H1900_181204

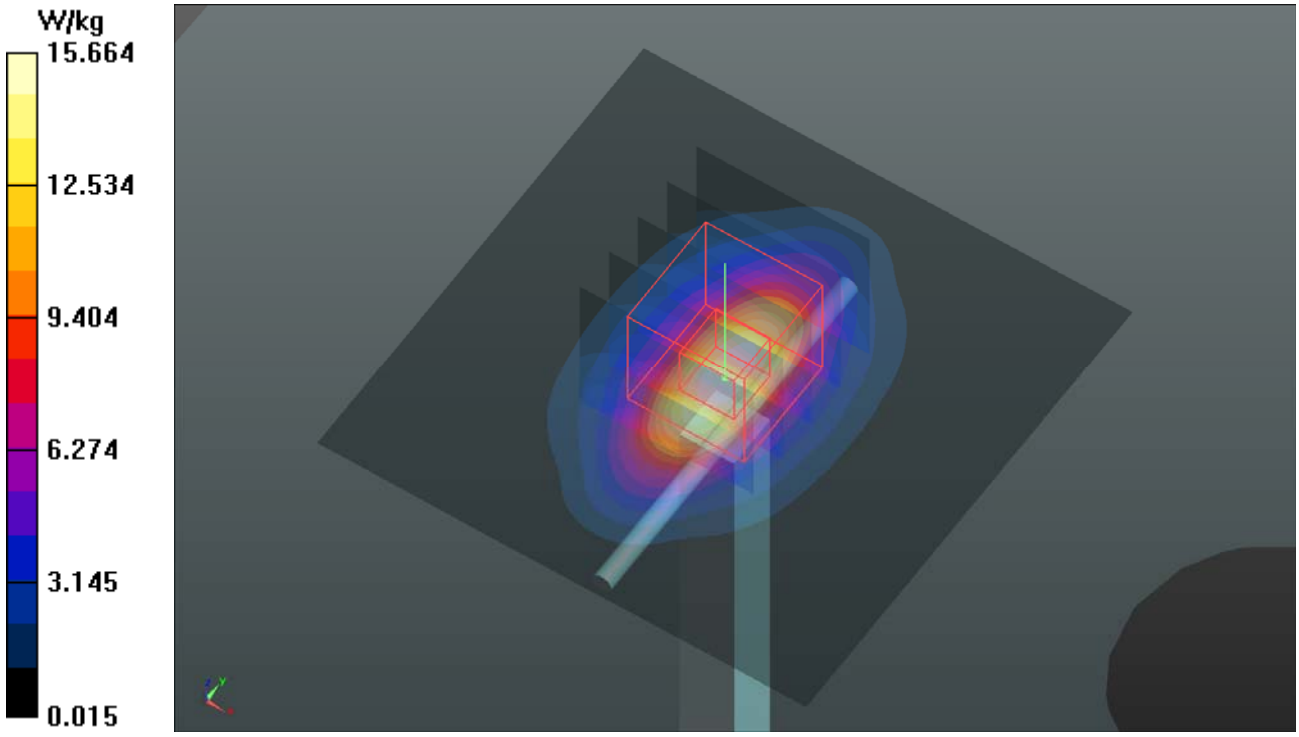
DUT: Dipole 1900 MHz; Type: D1900V2; SN: 5d036

Communication System: CW; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium: H16T20N1_1204 Medium parameters used: f = 1900 MHz; σ = 1.46 S/m; ε_r = 38.462; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃ ； Liquid Temperature：23.1 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7472; ConvF(8.44, 8.44, 8.44); Calibrated: 2018/08/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1431; Calibrated: 2018/03/16
- Phantom: Twin SAM Phantom_1652; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

Pin=250mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 15.7 W/kg

Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 106.7 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 18.8 W/kg
SAR(1 g) = 9.98 W/kg; SAR(10 g) = 5.18 W/kg
Maximum value of SAR (measured) = 15.7 W/kg



Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2018/11/13

System Check_H2450_181113

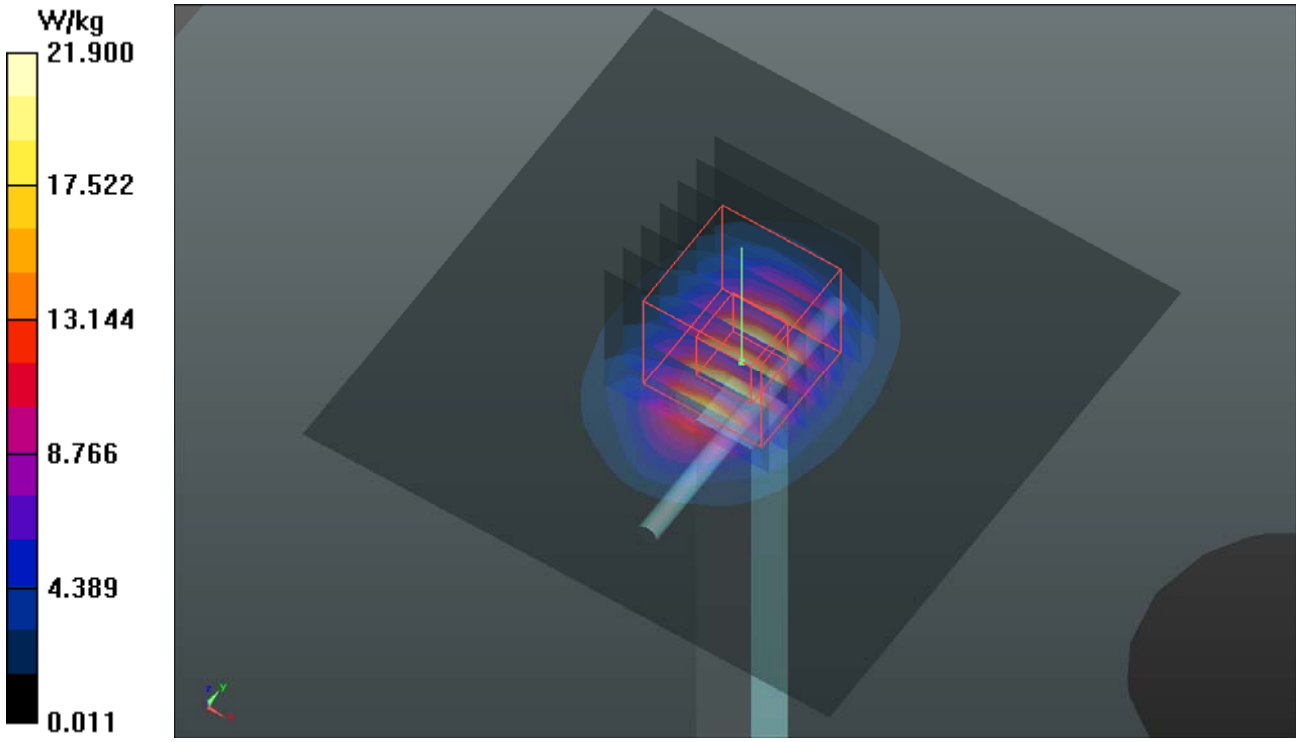
DUT: Dipole 2450 MHz; Type: D2450V2; SN: 737

Communication System: CW; Frequency: 2450 MHz;Duty Cycle: 1:1
Medium: H19T27N3_1113 Medium parameters used: f = 2450 MHz; σ = 1.864 S/m; ε_r = 38.07; ρ = 1000 kg/m^3
Ambient Temperature：23.7 ℃ ； Liquid Temperature：23.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(7.64, 7.64, 7.64); Calibrated: 2018/07/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2018/08/27
- Phantom: Twin SAM Phantom_1654; Type: QD000P40;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

Pin=250mW/Area Scan (81x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 21.9 W/kg

Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 105.8 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 27.1 W/kg
SAR(1 g) = 12.8 W/kg; SAR(10 g) = 5.89 W/kg
Maximum value of SAR (measured) = 21.9 W/kg



Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2018/11/18

System Check_H2600_181118

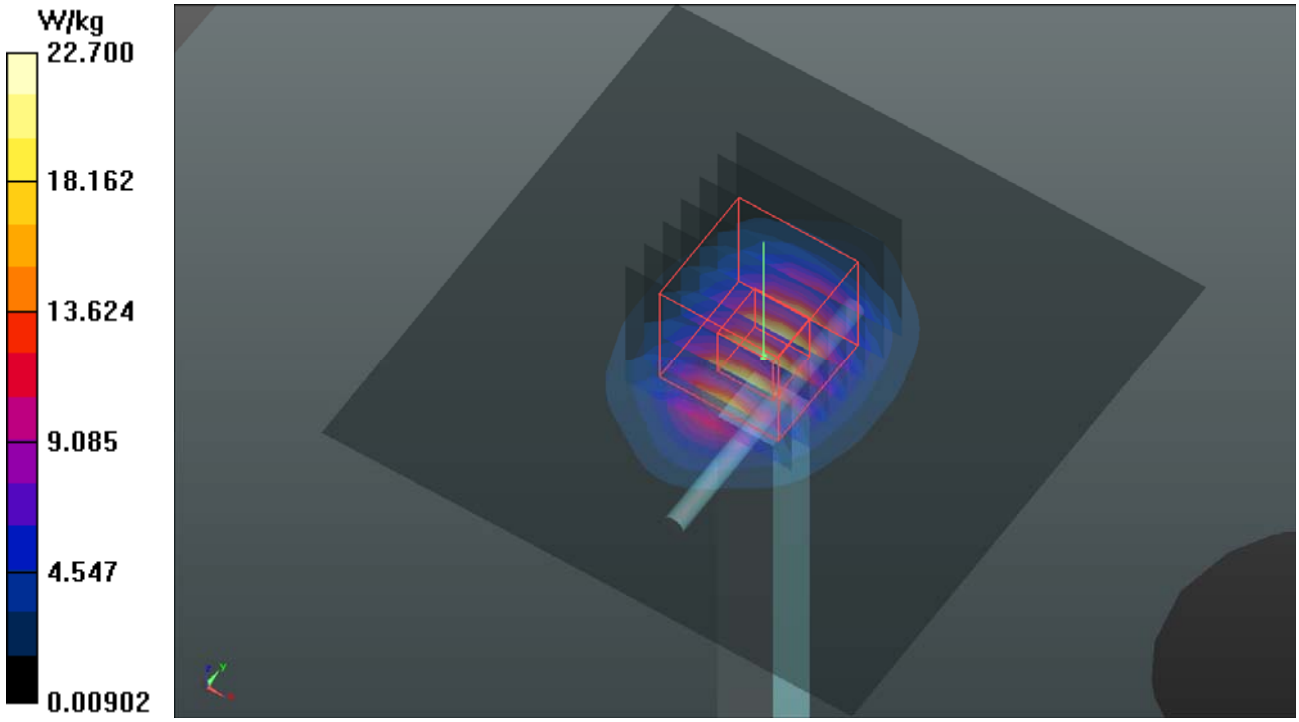
DUT: Dipole 2600 MHz; Type: D2600V2; SN: 1020

Communication System: CW; Frequency: 2600 MHz;Duty Cycle: 1:1
Medium: H19T27N1_1118 Medium parameters used: f = 2600 MHz; σ = 2.012 S/m; ε_r = 38.187; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃ ； Liquid Temperature：23.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(7.48, 7.48, 7.48); Calibrated: 2018/07/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2018/08/27
- Phantom: Twin SAM Phantom_1654; Type: QD000P40;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

Pin=250mW/Area Scan (81x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 22.7 W/kg

Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 102.4 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 28.3 W/kg
SAR(1 g) = 13.1 W/kg; SAR(10 g) = 5.89 W/kg
Maximum value of SAR (measured) = 22.6 W/kg



Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2018/11/20

System Check_H5250_181120

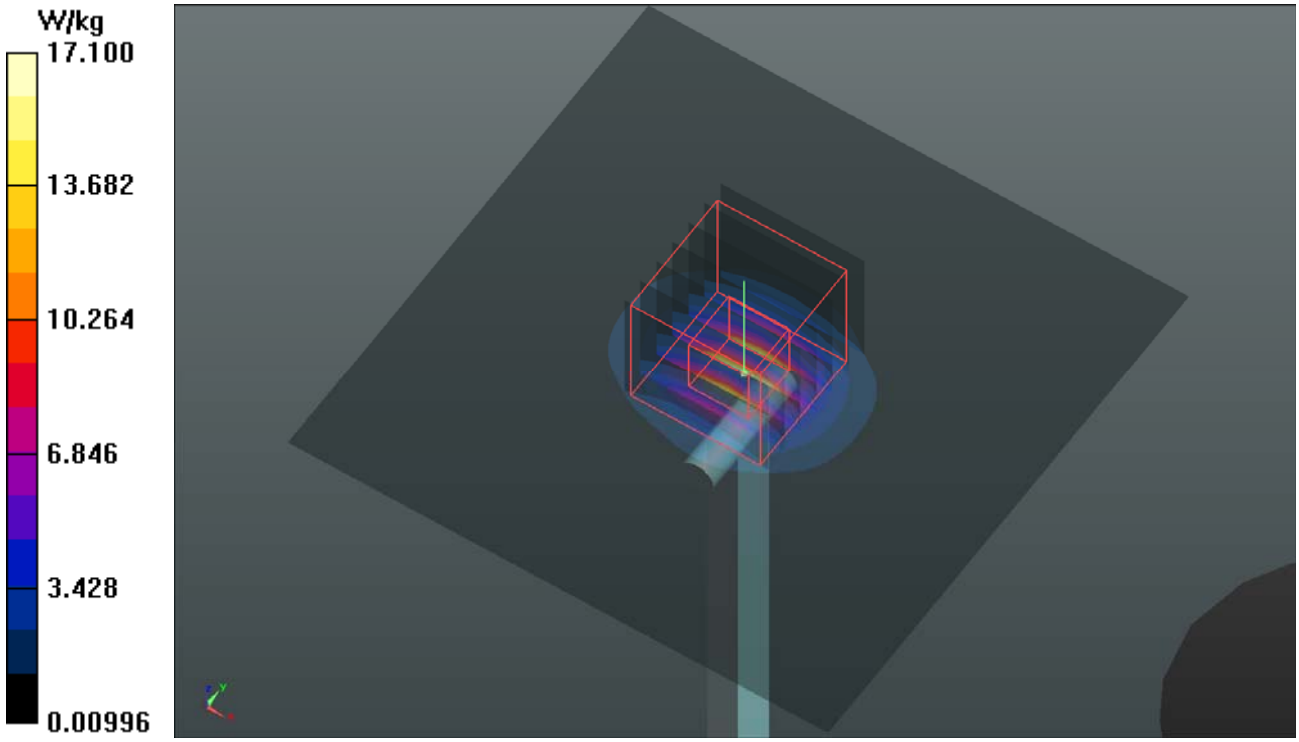
DUT: Dipole 5 GHz; Type: D5GHzV2; SN: 1019

Communication System: CW; Frequency: 5250 MHz;Duty Cycle: 1:1
Medium: H34T60N1_1120 Medium parameters used: f = 5250 MHz; σ = 4.633 S/m; ε_r = 37.466; ρ = 1000 kg/m^3
Ambient Temperature：23.8 ℃ ； Liquid Temperature：23.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(5.46, 5.46, 5.46); Calibrated: 2018/07/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2018/08/27
- Phantom: Twin SAM Phantom_1654; Type: QD000P40;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

Pin=100mW/Area Scan (91x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 17.1 W/kg

Pin=100mW/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 65.34 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 33.2 W/kg
SAR(1 g) = 8.41 W/kg; SAR(10 g) = 2.43 W/kg
Maximum value of SAR (measured) = 17.5 W/kg



System Check_H5600_181113

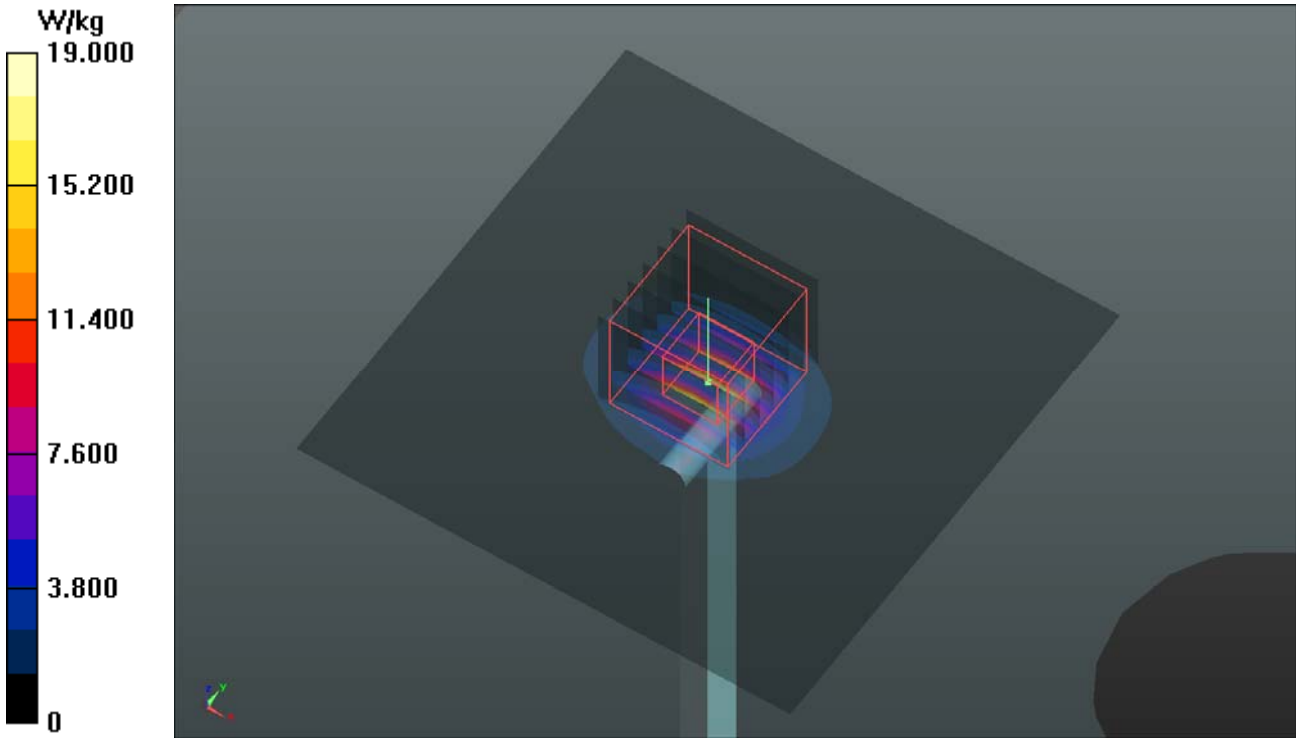
DUT: Dipole 5 GHz; Type: D5GHzV2; SN: 1019

Communication System: CW; Frequency: 5600 MHz;Duty Cycle: 1:1
Medium: H34T60N3_1113 Medium parameters used: f = 5600 MHz; σ = 5.01 S/m; ε_r = 34.955; ρ = 1000 kg/m^3
Ambient Temperature：23.7 ℃ ； Liquid Temperature：23.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(5.05, 5.05, 5.05); Calibrated: 2018/07/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2018/08/27
- Phantom: Twin SAM Phantom_1654; Type: QD000P40;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

Pin=100mW/Area Scan (91x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 19.0 W/kg

Pin=100mW/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 70.47 V/m; Power Drift = -0.14 dB
Peak SAR (extrapolated) = 33.1 W/kg
SAR(1 g) = 7.82 W/kg; SAR(10 g) = 2.24 W/kg
Maximum value of SAR (measured) = 20.1 W/kg



System Check_H5750_181113

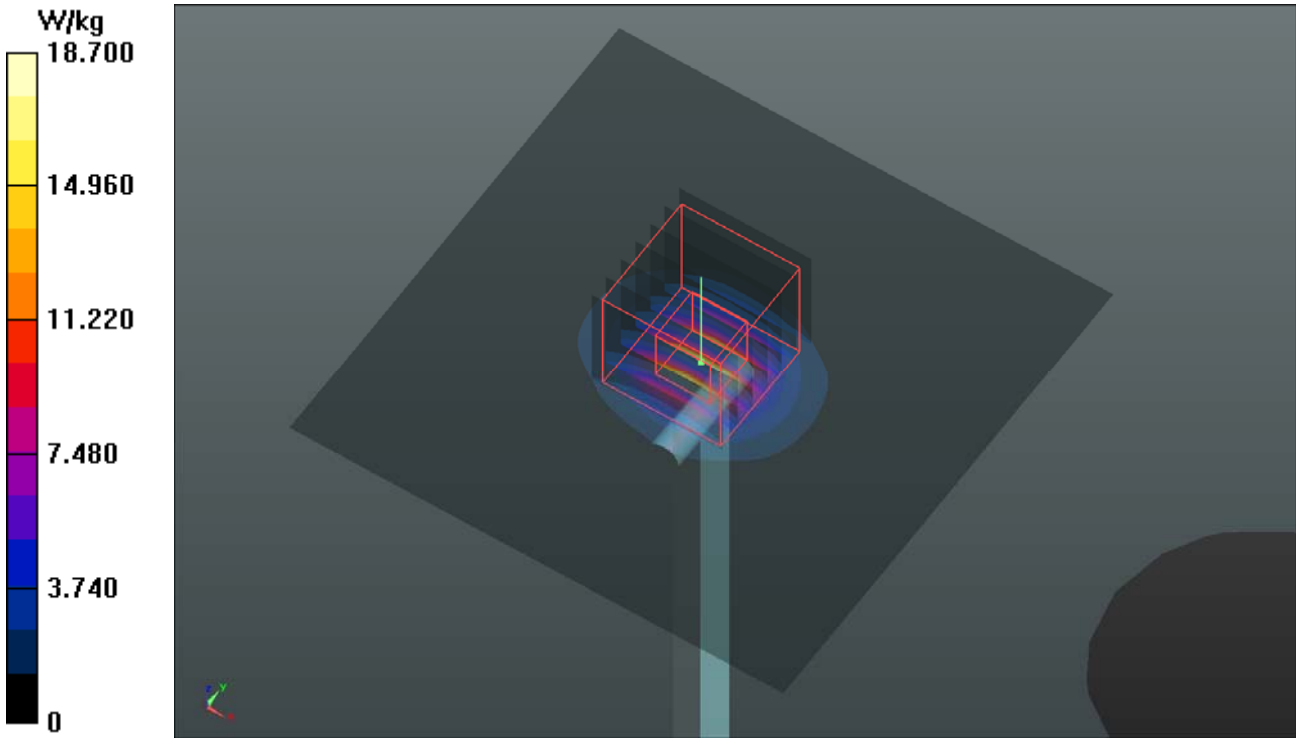
DUT: Dipole 5 GHz; Type: D5GHzV2; SN: 1019

Communication System: CW; Frequency: 5750 MHz;Duty Cycle: 1:1
Medium: H34T60N3_1113 Medium parameters used: f = 5750 MHz; σ = 5.165 S/m; ε_r = 34.722; ρ = 1000 kg/m^3
Ambient Temperature：23.7 ℃ ； Liquid Temperature：23.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(5.33, 5.33, 5.33); Calibrated: 2018/07/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2018/08/27
- Phantom: Twin SAM Phantom_1654; Type: QD000P40;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

Pin=100mW/Area Scan (91x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 18.7 W/kg

Pin=100mW/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 68.80 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 33.8 W/kg
SAR(1 g) = 7.75 W/kg; SAR(10 g) = 2.22 W/kg
Maximum value of SAR (measured) = 20.0 W/kg



Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2018/11/21

System Check_B750_181121

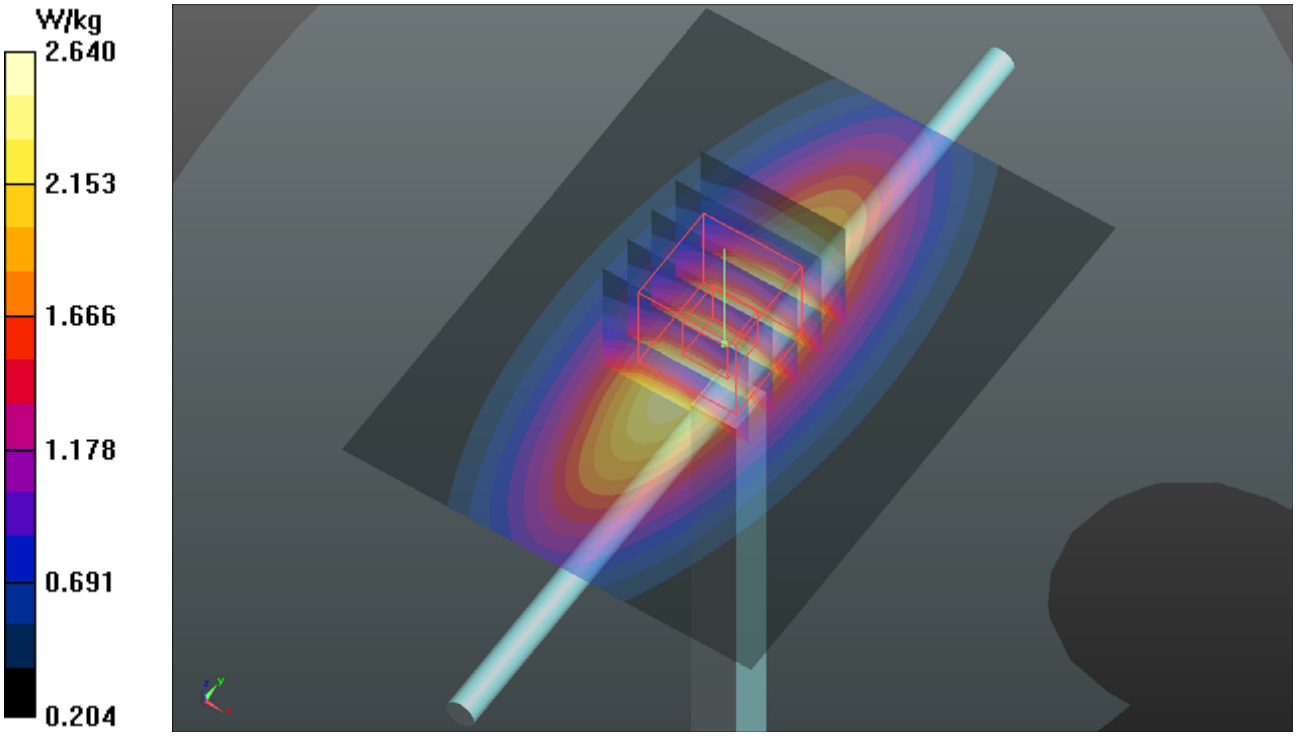
DUT: Dipole 750 MHz; Type: D750V3; SN: 1013

Communication System: CW; Frequency: 750 MHz;Duty Cycle: 1:1
Medium: B06T09N1_1121 Medium parameters used: f = 750 MHz; σ = 0.957 S/m; ε_r = 53.038; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃ ； Liquid Temperature：23.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3898; ConvF(10.28, 10.28, 10.28); Calibrated: 2018/06/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2018/01/18
- Phantom: Twin SAM Phantom_1496; Type: QD000P40CA;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

Pin=250mW/Area Scan (61x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 2.62 W/kg

Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 53.69 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 3.15 W/kg
SAR(1 g) = 2.06 W/kg; SAR(10 g) = 1.34 W/kg
Maximum value of SAR (measured) = 2.64 W/kg



System Check_B835_181121

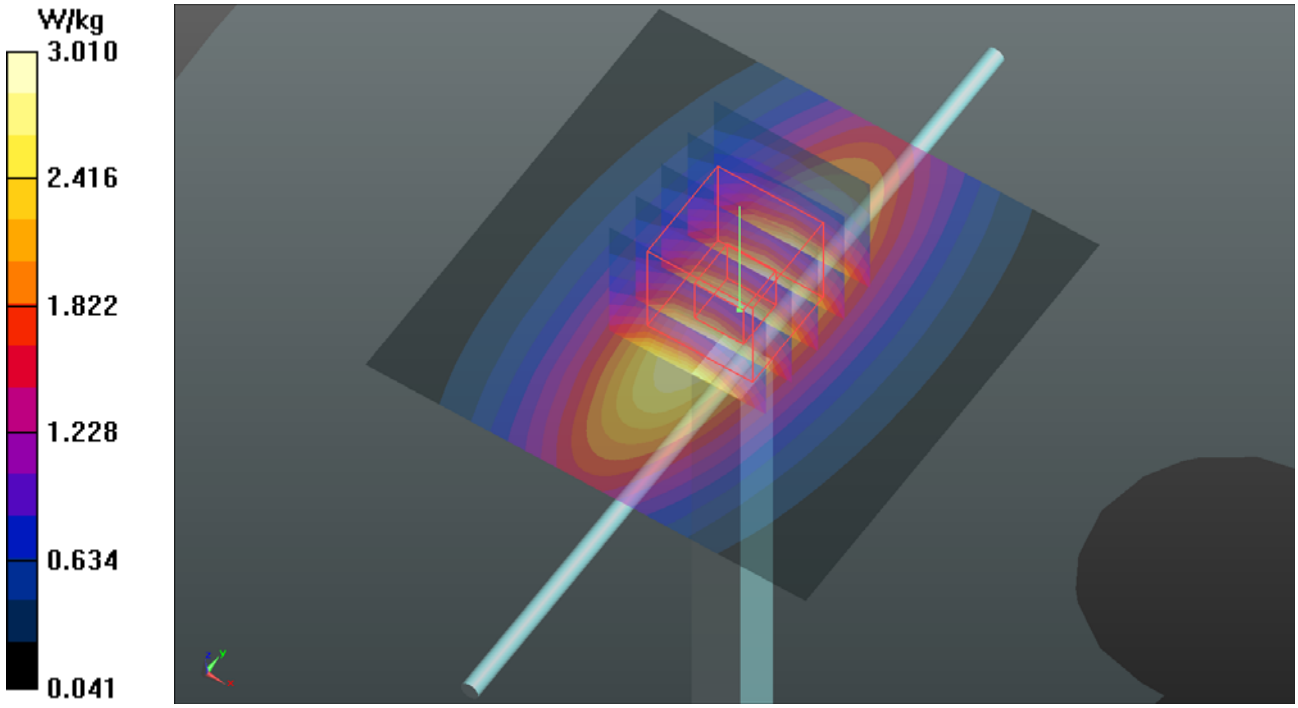
DUT: Dipole 835 MHz; Type: D835V2; SN: 4d121

Communication System: CW; Frequency: 835 MHz;Duty Cycle: 1:1
Medium: B07T10N2_1121 Medium parameters used: f = 835 MHz; σ = 0.981 S/m; ε_r = 54.067; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃ ； Liquid Temperature：23.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3898; ConvF(10.25, 10.25, 10.25); Calibrated: 2018/06/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2018/01/18
- Phantom: Twin SAM Phantom_1496; Type: QD000P40CA;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

Pin=250mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 3.01 W/kg

Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 57.71 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 3.37 W/kg
SAR(1 g) = 2.25 W/kg; SAR(10 g) = 1.48 W/kg
Maximum value of SAR (measured) = 3.00 W/kg



Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2018/12/04

System Check_B1750_181204

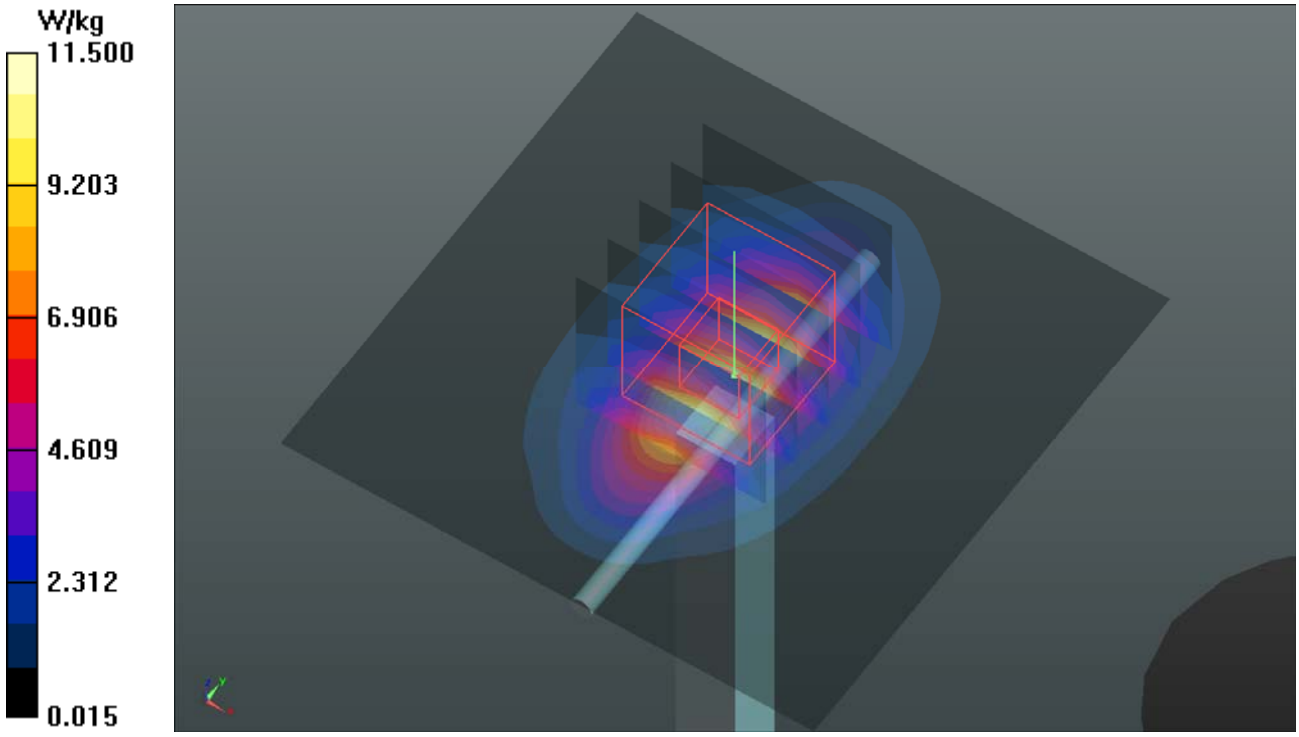
DUT: Dipole 1750 MHz; Type: D1750V2; SN: 1055

Communication System: CW; Frequency: 1750 MHz;Duty Cycle: 1:1
Medium: B16T20N1_1204 Medium parameters used: f = 1750 MHz; σ = 1.429 S/m; ε_r = 52.001; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃ ； Liquid Temperature：23.1 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7472; ConvF(8.42, 8.42, 8.42); Calibrated: 2018/08/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1431; Calibrated: 2018/03/16
- Phantom: Twin SAM Phantom_1653; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

Pin=250mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 11.5 W/kg

Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 93.10 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 13.2 W/kg
SAR(1 g) = 8.78 W/kg; SAR(10 g) = 4.69 W/kg
Maximum value of SAR (measured) = 11.3 W/kg



Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2018/11/19

System Check_B1900_181119

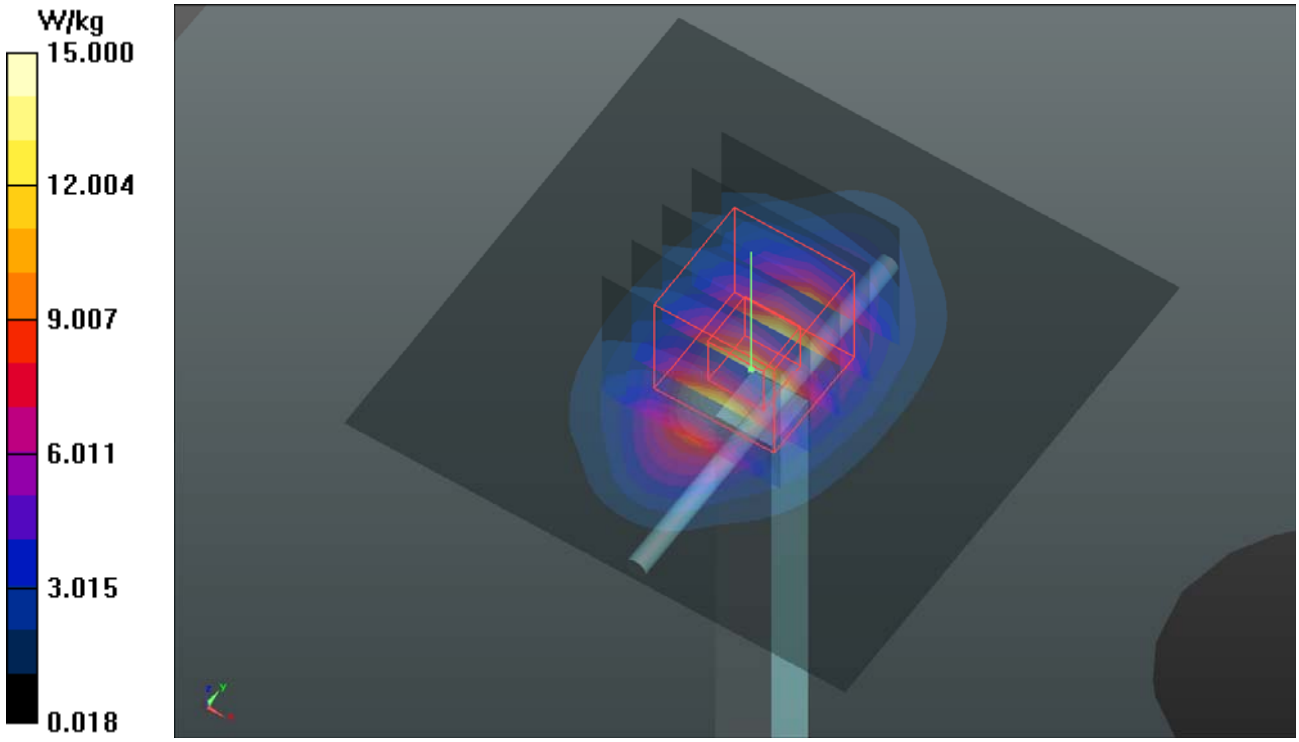
DUT: Dipole 1900 MHz; Type: D1900V2; SN: 5d036

Communication System: CW; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium: B16T20N1_1119 Medium parameters used: f = 1900 MHz; σ = 1.582 S/m; ε_r = 50.698; ρ = 1000 kg/m^3
Ambient Temperature：23.8 ℃ ； Liquid Temperature：23.1 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(7.89, 7.89, 7.89); Calibrated: 2018/07/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2018/08/27
- Phantom: Twin SAM Phantom_1822; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

Pin=250mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 15.0 W/kg

Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 98.95 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 18.6 W/kg
SAR(1 g) = 10.5 W/kg; SAR(10 g) = 5.52 W/kg
Maximum value of SAR (measured) = 14.9 W/kg



System Check_B2450_181129

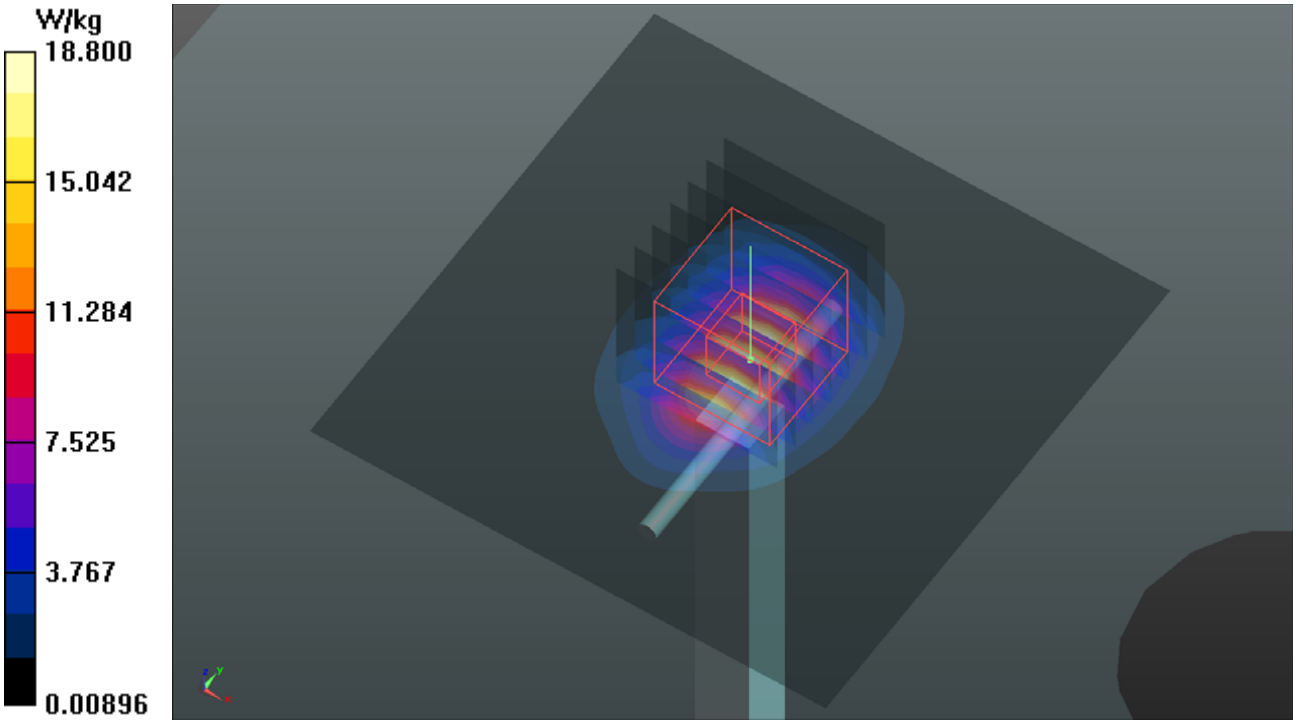
DUT: Dipole 2450 MHz; Type: D2450V2; SN: 737

Communication System: CW; Frequency: 2450 MHz;Duty Cycle: 1:1
Medium: B19T27N1_1129 Medium parameters used: f = 2450 MHz; σ = 1.992 S/m; ε_r = 51.358; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃ ； Liquid Temperature：23.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3898; ConvF(7.61, 7.61, 7.61); Calibrated: 2018/06/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2018/01/18
- Phantom: Twin SAM Phantom_1496; Type: QD000P40CB;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

Pin=250mW/Area Scan (81x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 18.8 W/kg

Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 98.65 V/m; Power Drift = -0.19 dB
Peak SAR (extrapolated) = 25.3 W/kg
SAR(1 g) = 12.3 W/kg; SAR(10 g) = 5.65 W/kg
Maximum value of SAR (measured) = 18.8 W/kg



System Check_B2600_181119

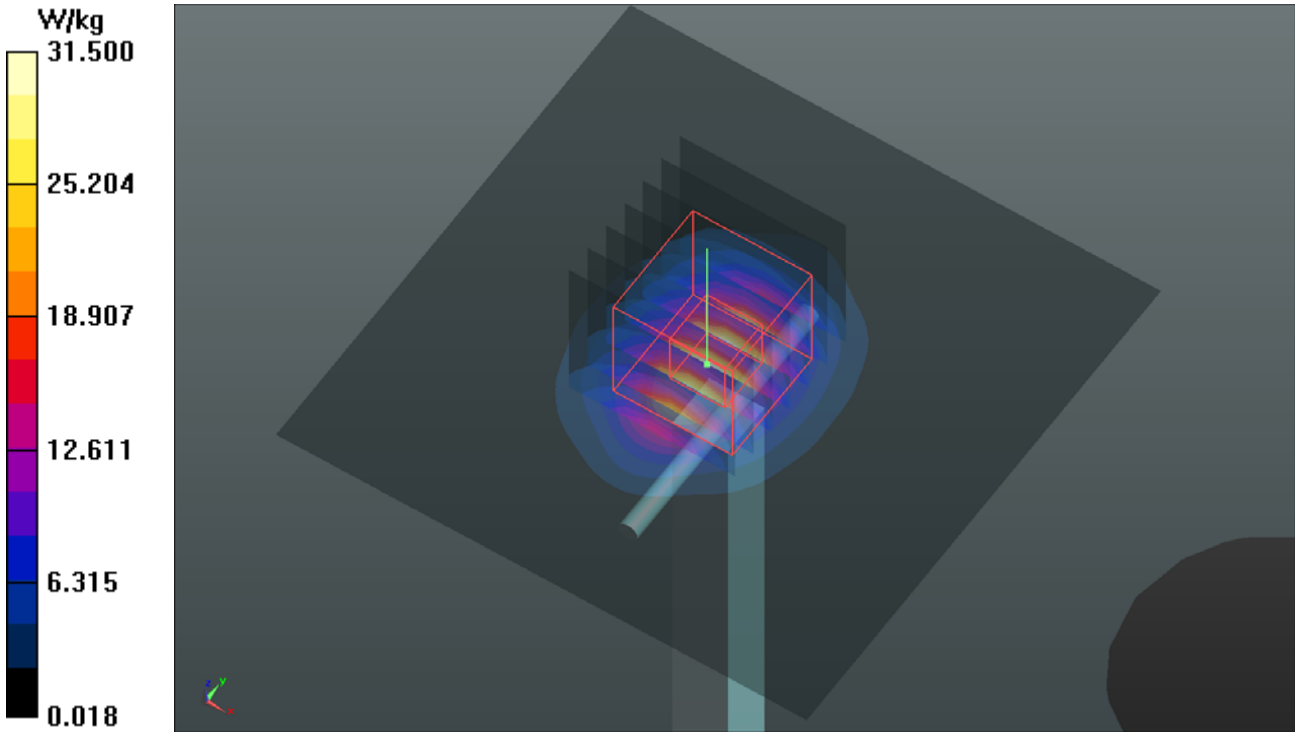
DUT: Dipole 2600 MHz; Type: D2600V2; SN: 1020

Communication System: CW; Frequency: 2600 MHz;Duty Cycle: 1:1
Medium: B19T27N1_1119 Medium parameters used: f = 2600 MHz; σ = 2.184 S/m; ε_r = 51.171; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃ ； Liquid Temperature：23.1 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3898; ConvF(7.51, 7.51, 7.51); Calibrated: 2018/06/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2018/01/18
- Phantom: Twin SAM Phantom_1496; Type: QD000P40CA;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

Pin=250mW/Area Scan (81x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 31.5 W/kg

Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 122.2 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 43.4 W/kg
SAR(1 g) = 13.3 W/kg; SAR(10 g) = 6.1 W/kg
Maximum value of SAR (measured) = 31.7 W/kg



System Check_B5250_181129

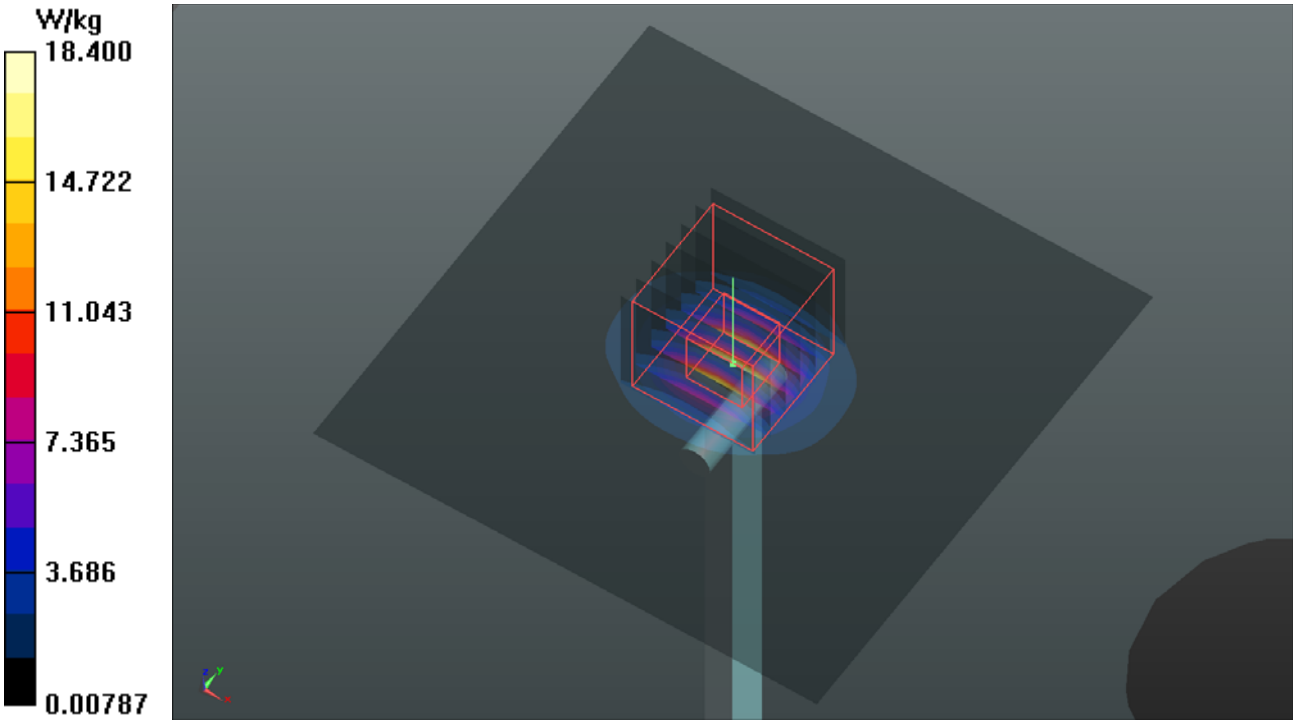
DUT: Dipole 5 GHz; Type: D5GHzV2; SN: 1019

Communication System: CW; Frequency: 5250 MHz;Duty Cycle: 1:1
Medium: B34T60N1_1129 Medium parameters used: f = 5250 MHz; σ = 5.471 S/m; ε_r = 47.667; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃ ； Liquid Temperature：23.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3898; ConvF(4.95, 4.95, 4.95); Calibrated: 2018/06/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2018/01/18
- Phantom: Twin SAM Phantom_1496; Type: QD000P40CB;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

Pin=100mW/Area Scan (91x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 18.4 W/kg

Pin=100mW/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 69.45 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 32.8 W/kg
SAR(1 g) = 7.94 W/kg; SAR(10 g) = 2.23 W/kg
Maximum value of SAR (measured) = 20.1 W/kg



Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2018/11/18

System Check_B5600_181118

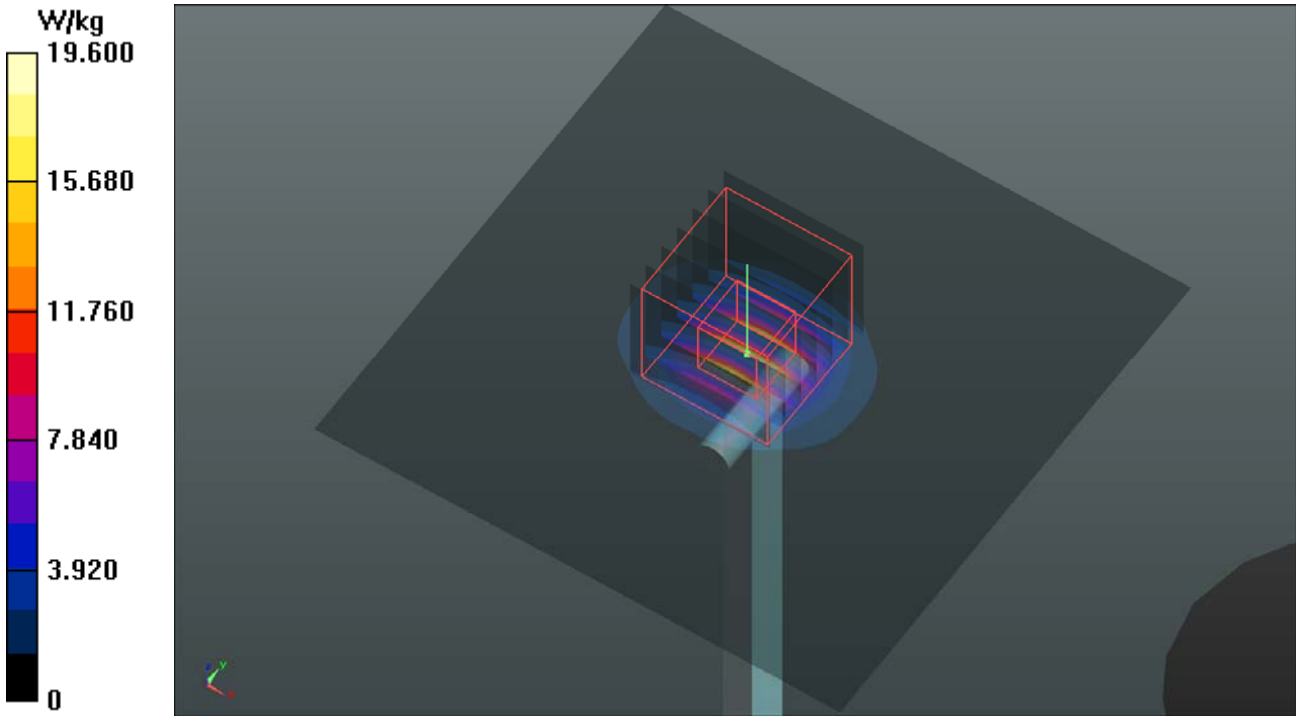
DUT: Dipole 5 GHz; Type: D5GHzV2; SN: 1019

Communication System: CW; Frequency: 5600 MHz;Duty Cycle: 1:1
Medium: B34T60N1_1118 Medium parameters used: f = 5600 MHz; σ = 5.748 S/m; ε_r = 46.351; ρ = 1000 kg/m^3
Ambient Temperature：23.8 ℃ ； Liquid Temperature：23.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(4.32, 4.32, 4.32); Calibrated: 2018/07/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2018/08/27
- Phantom: Twin SAM Phantom_1822; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

Pin=100mW/Area Scan (91x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 19.6 W/kg

Pin=100mW/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 69.71 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 36.9 W/kg
SAR(1 g) = 8.19 W/kg; SAR(10 g) = 2.29 W/kg
Maximum value of SAR (measured) = 21.5 W/kg



Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2018/11/18

System Check_B5750_181118

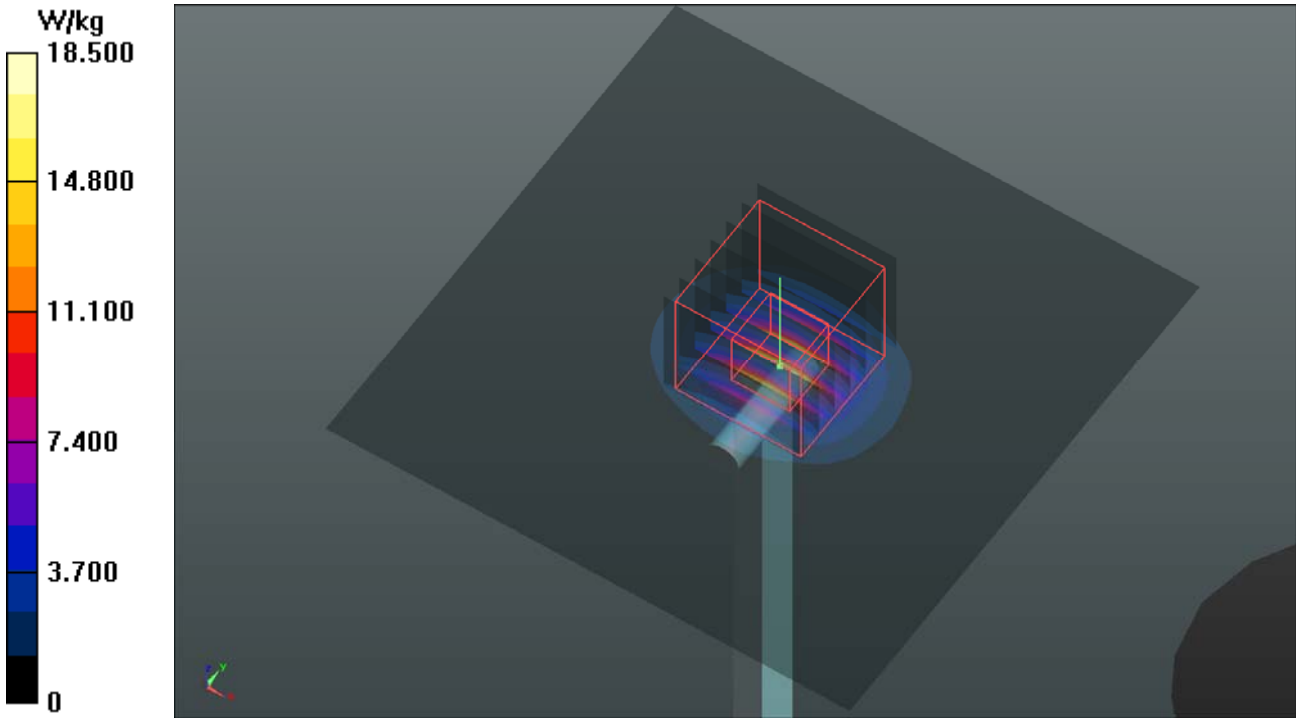
DUT: Dipole 5 GHz; Type: D5GHzV2; SN: 1019

Communication System: CW; Frequency: 5750 MHz;Duty Cycle: 1:1
Medium: B34T60N1_1118 Medium parameters used: f = 5750 MHz; σ = 5.962 S/m; ε_r = 46.063; ρ = 1000 kg/m^3
Ambient Temperature：23.8 ℃ ； Liquid Temperature：23.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(4.6, 4.6, 4.6); Calibrated: 2018/07/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2018/08/27
- Phantom: Twin SAM Phantom_1822; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

Pin=100mW/Area Scan (91x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 18.5 W/kg

Pin=100mW/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 61.43 V/m; Power Drift = -0.18 dB
Peak SAR (extrapolated) = 33.9 W/kg
SAR(1 g) = 7.65 W/kg; SAR(10 g) = 2.13 W/kg
Maximum value of SAR (measured) = 19.5 W/kg



System Check_B5250_181129

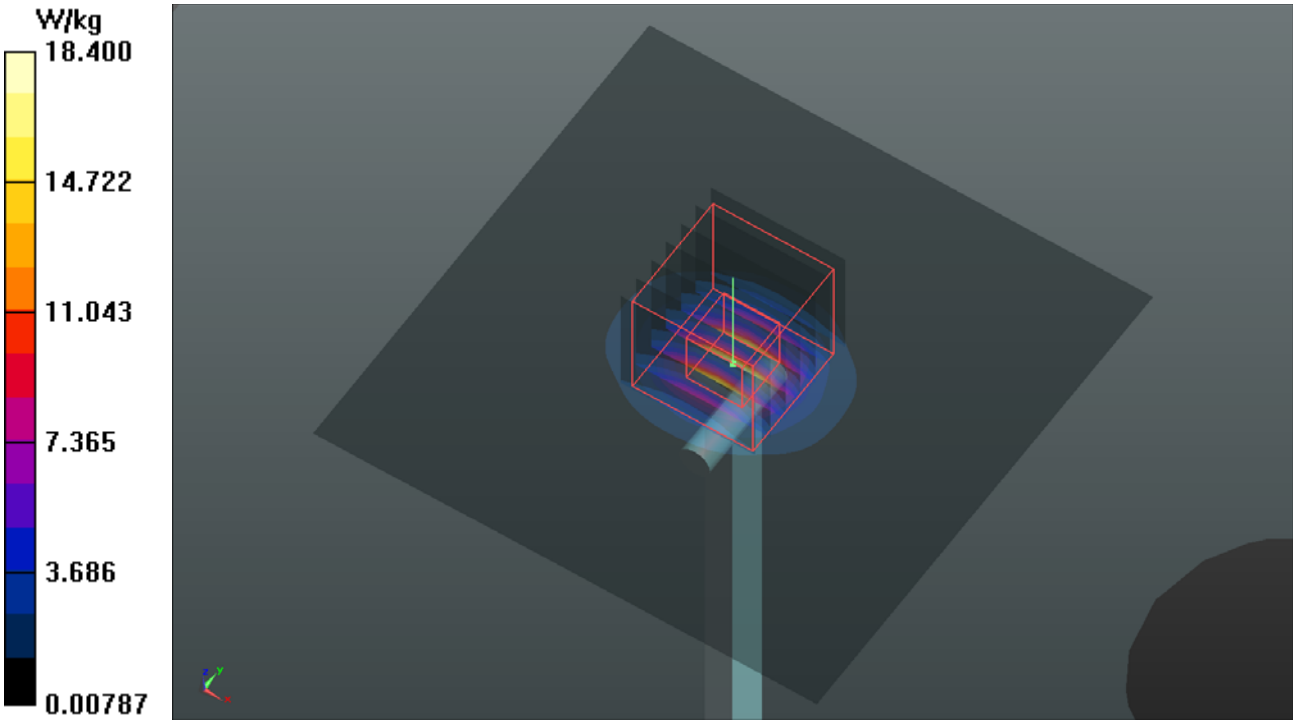
DUT: Dipole 5 GHz; Type: D5GHzV2; SN: 1019

Communication System: CW; Frequency: 5250 MHz;Duty Cycle: 1:1
Medium: B34T60N1_1129 Medium parameters used: f = 5250 MHz; σ = 5.471 S/m; ε_r = 47.667; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃ ； Liquid Temperature：23.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3898; ConvF(4.95, 4.95, 4.95); Calibrated: 2018/06/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2018/01/18
- Phantom: Twin SAM Phantom_1496; Type: QD000P40CB;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

Pin=100mW/Area Scan (91x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 18.4 W/kg

Pin=100mW/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 69.45 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 32.8 W/kg
SAR(1 g) = 7.94 W/kg; SAR(10 g) = 2.23 W/kg
Maximum value of SAR (measured) = 20.1 W/kg



System Check_B5600_181118

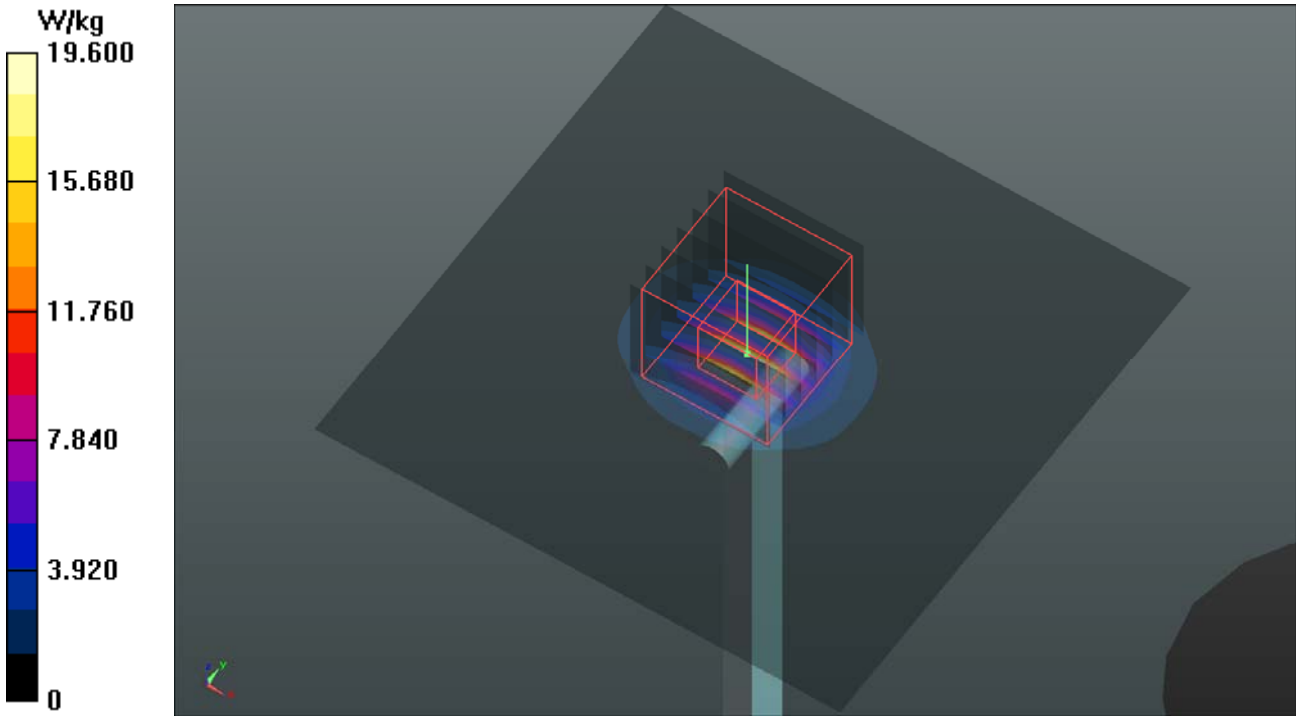
DUT: Dipole 5 GHz; Type: D5GHzV2; SN: 1019

Communication System: CW; Frequency: 5600 MHz;Duty Cycle: 1:1
Medium: B34T60N1_1118 Medium parameters used: f = 5600 MHz; σ = 5.748 S/m; ε_r = 46.351; ρ = 1000 kg/m^3
Ambient Temperature：23.8 ℃ ； Liquid Temperature：23.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(4.32, 4.32, 4.32); Calibrated: 2018/07/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2018/08/27
- Phantom: Twin SAM Phantom_1822; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

Pin=100mW/Area Scan (91x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 19.6 W/kg

Pin=100mW/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 69.71 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 36.9 W/kg
SAR(1 g) = 8.19 W/kg; SAR(10 g) = 2.29 W/kg
Maximum value of SAR (measured) = 21.5 W/kg



Appendix B. SAR Plots of SAR Measurement

The SAR plots for highest measured SAR in each exposure configuration, wireless mode and frequency band combination, and measured SAR > 1.5 W/kg are shown as follows.

Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2018/11/18

P01 GSM850_GPRS12_Right Cheek_Ch128_Sample1_Ant1

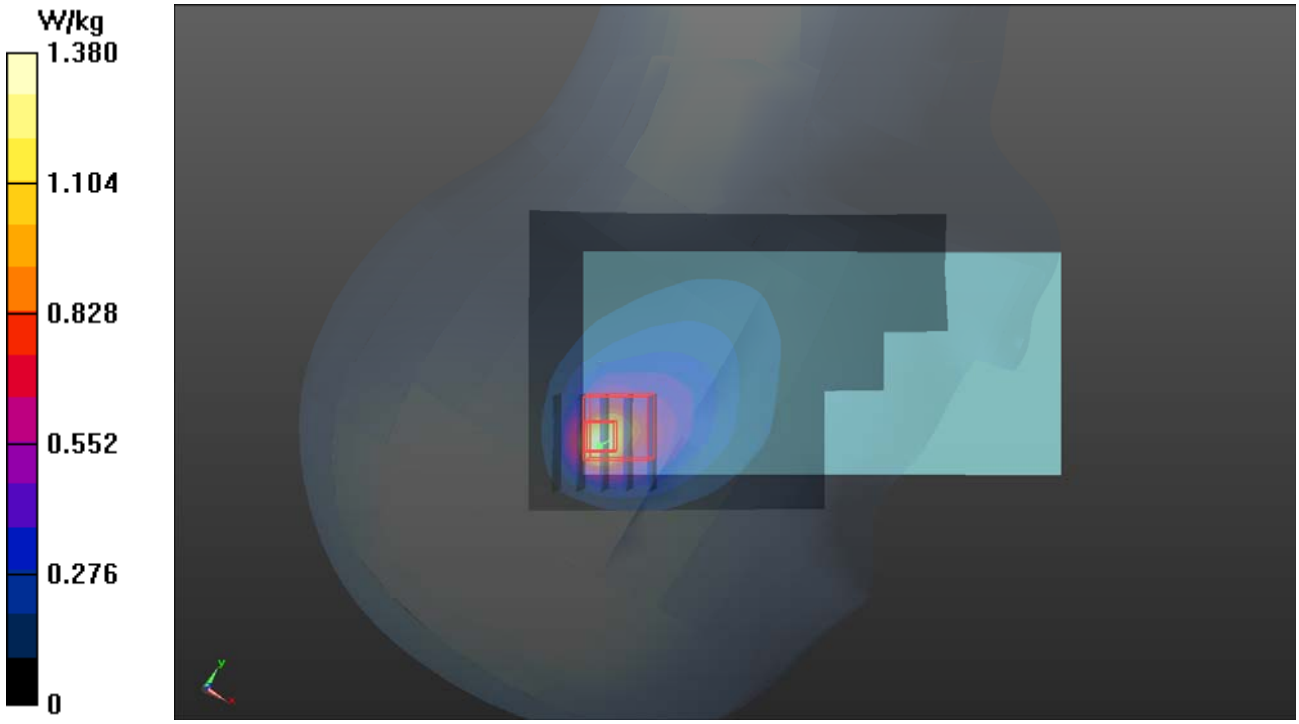
DUT: 181001C08

Communication System: GPRS12; Frequency: 824.2 MHz;Duty Cycle: 1:2
Medium: H07T10N1_1118 Medium parameters used: f = 824.2 MHz; σ = 0.909 S/m; ε_r = 41.877; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃ ； Liquid Temperature：23.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(9.88, 9.88, 9.88); Calibrated: 2018/07/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2018/08/27
- Phantom: Twin SAM Phantom_1654; Type: QD000P40;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

- Area Scan (71x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.38 W/kg

- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 35.45 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 1.47 W/kg
SAR(1 g) = 0.577 W/kg; SAR(10 g) = 0.308 W/kg
Maximum value of SAR (measured) = 1.04 W/kg



Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2018/11/18

P02 GSM1900_GPRS12_Right Cheek_Ch512_Sample1_Ant1

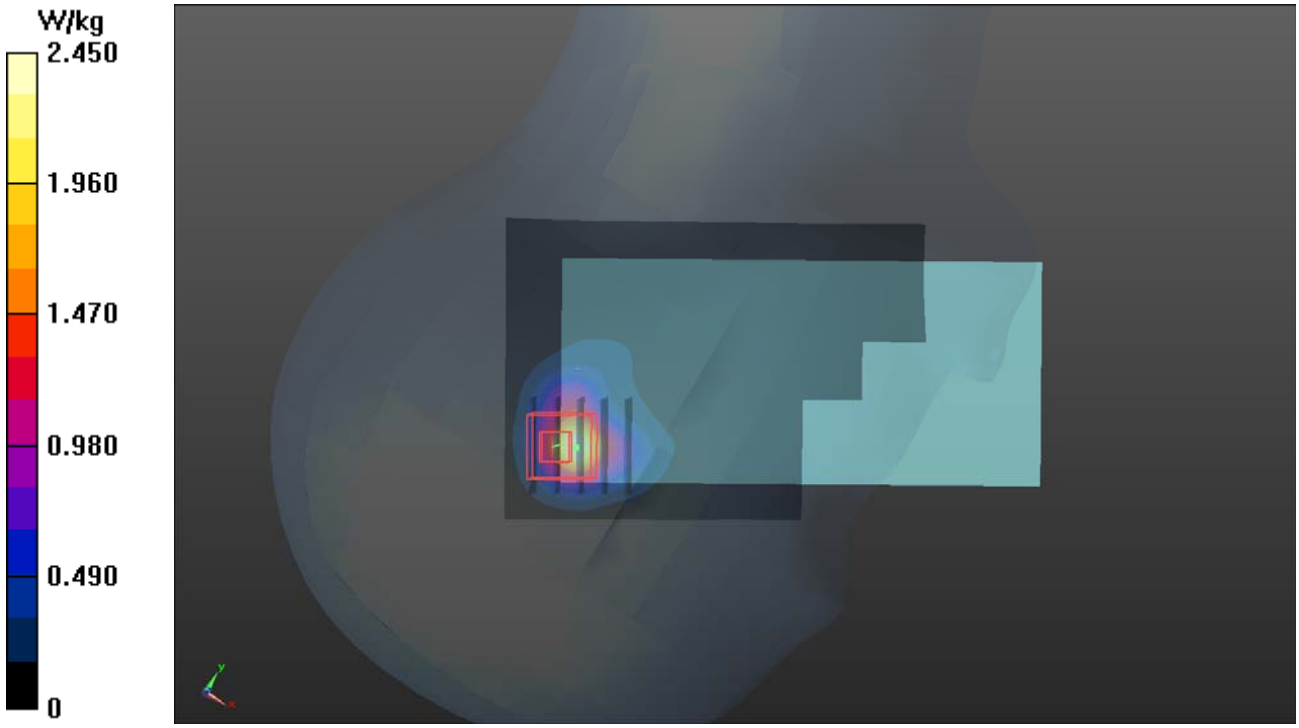
DUT: 181001C08

Communication System: GPRS12; Frequency: 1850.2 MHz;Duty Cycle: 1:2
Medium: H16T20N1_1118 Medium parameters used: f = 1850.2 MHz; σ = 1.417 S/m; ε_r = 38.29; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃ ； Liquid Temperature：23.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(8.28, 8.28, 8.28); Calibrated: 2018/07/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2018/08/27
- Phantom: Twin SAM Phantom_1654; Type: QD000P40;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

- Area Scan (71x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 2.45 W/kg

- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 34.09 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 2.19 W/kg
SAR(1 g) = 0.961 W/kg; SAR(10 g) = 0.451 W/kg
Maximum value of SAR (measured) = 1.73 W/kg



P03 WCDMA II_RMC12.2K_Right Cheek_Ch9262_Sample1_Ant1

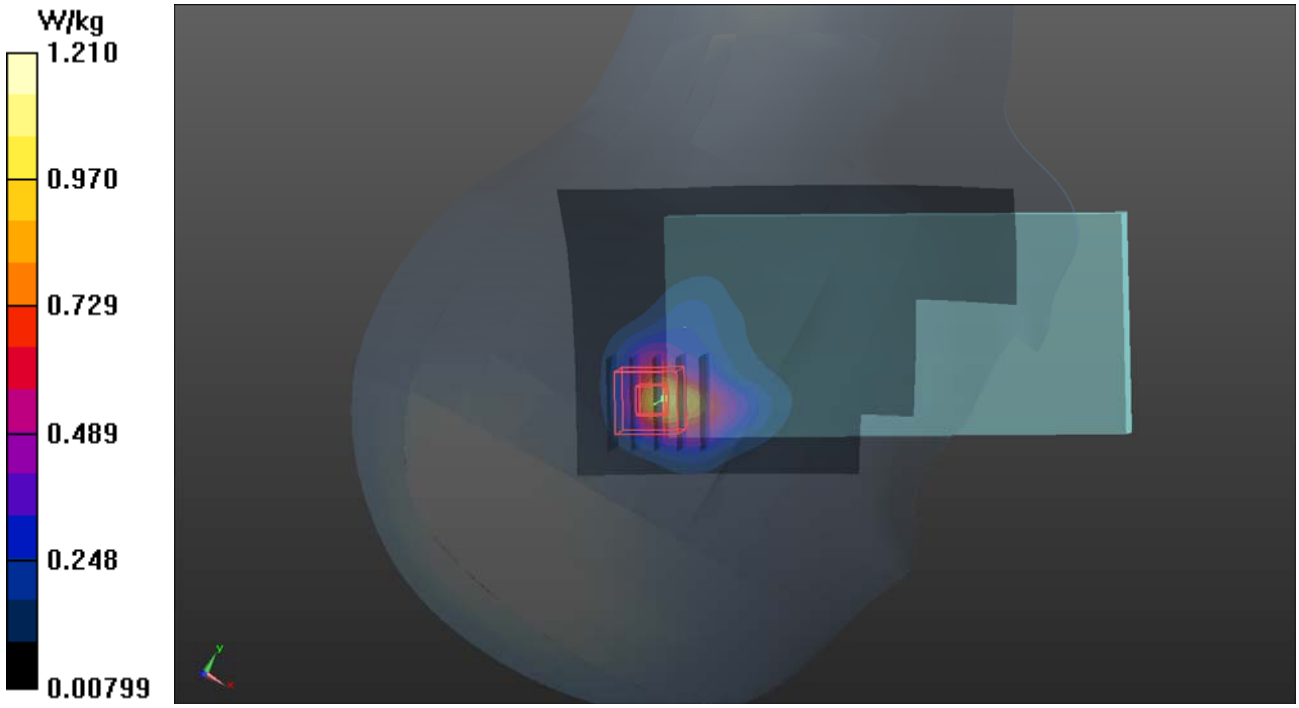
DUT: 181001C08

Communication System: WCDMA; Frequency: 1852.4 MHz;Duty Cycle: 1:1
Medium: H16T20N1_1122 Medium parameters used: f = 1852.4 MHz; σ = 1.415 S/m; ε_r = 39.991; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃ ； Liquid Temperature：23.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7472; ConvF(8.44, 8.44, 8.44); Calibrated: 2018/08/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2018/05/30
- Phantom: Twin SAM Phantom_1823; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

- Area Scan (71x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.03 W/kg

- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 23.83 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 1.61 W/kg
SAR(1 g) = 0.748 W/kg; SAR(10 g) = 0.336 W/kg
Maximum value of SAR (measured) = 1.21 W/kg



P04 WCDMA IV_RMC12.2K_Right Cheek_Ch1513_Sample1_Ant1

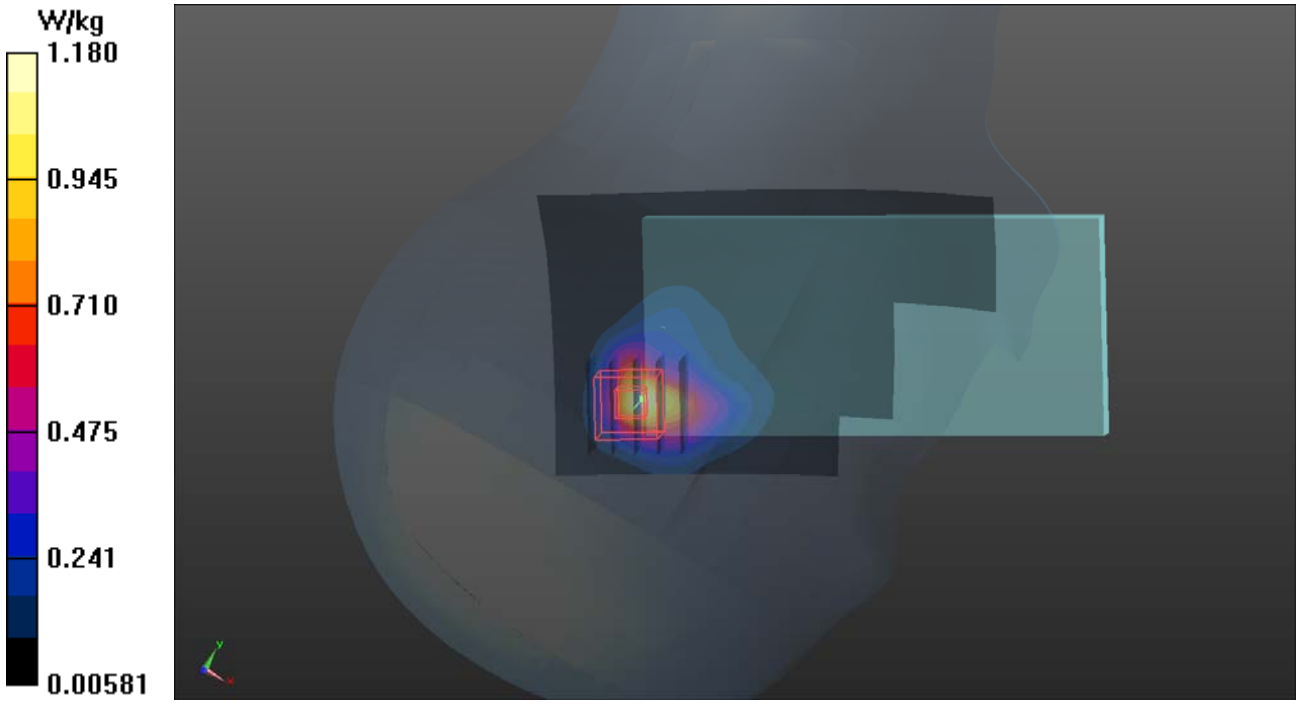
DUT: 181001C08

Communication System: WCDMA; Frequency: 1752.6 MHz;Duty Cycle: 1:1
Medium: H16T20N1_1122 Medium parameters used: f = 1753 MHz; σ = 1.325 S/m; ε_r = 40.377; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃ ； Liquid Temperature：23.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7472; ConvF(8.79, 8.79, 8.79); Calibrated: 2018/08/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2018/05/30
- Phantom: Twin SAM Phantom_1823; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

- Area Scan (71x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.17 W/kg

- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 24.83 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 1.63 W/kg
SAR(1 g) = 0.744 W/kg; SAR(10 g) = 0.335 W/kg
Maximum value of SAR (measured) = 1.18 W/kg



P05 WCDMA V_RMC12.2K_Right Cheek_Ch4132_Sample1_Ant1

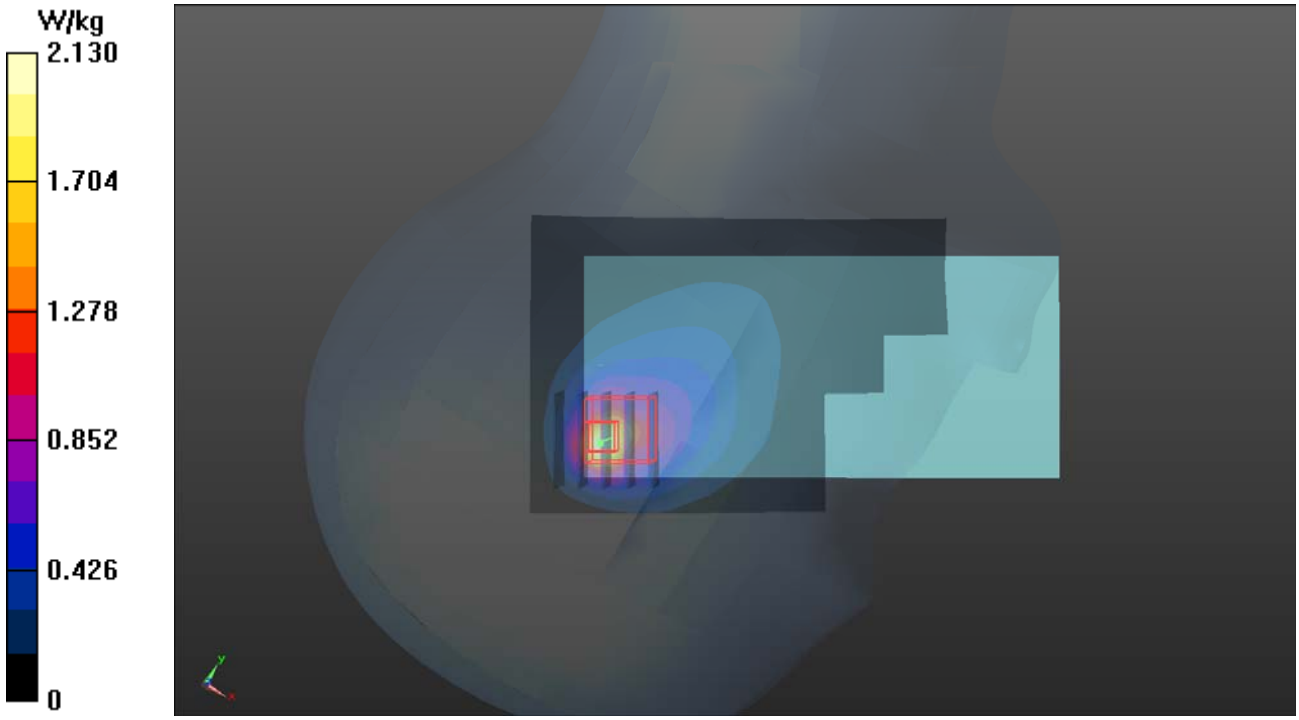
DUT: 181001C08

Communication System: WCDMA; Frequency: 826.4 MHz;Duty Cycle: 1:1
Medium: H07T10N1_1118 Medium parameters used: f = 826.4 MHz; σ = 0.911 S/m; ε_r = 41.853; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃ ； Liquid Temperature：23.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(9.88, 9.88, 9.88); Calibrated: 2018/07/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2018/08/27
- Phantom: Twin SAM Phantom_1654; Type: QD000P40;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

- Area Scan (71x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 2.13 W/kg

- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 43.55 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 2.17 W/kg
SAR(1 g) = 0.875 W/kg; SAR(10 g) = 0.468 W/kg
Maximum value of SAR (measured) = 1.56 W/kg



P06 CDMA BC0_RC3+SO55_Right Cheek_Ch1013_Sample1_Ant1

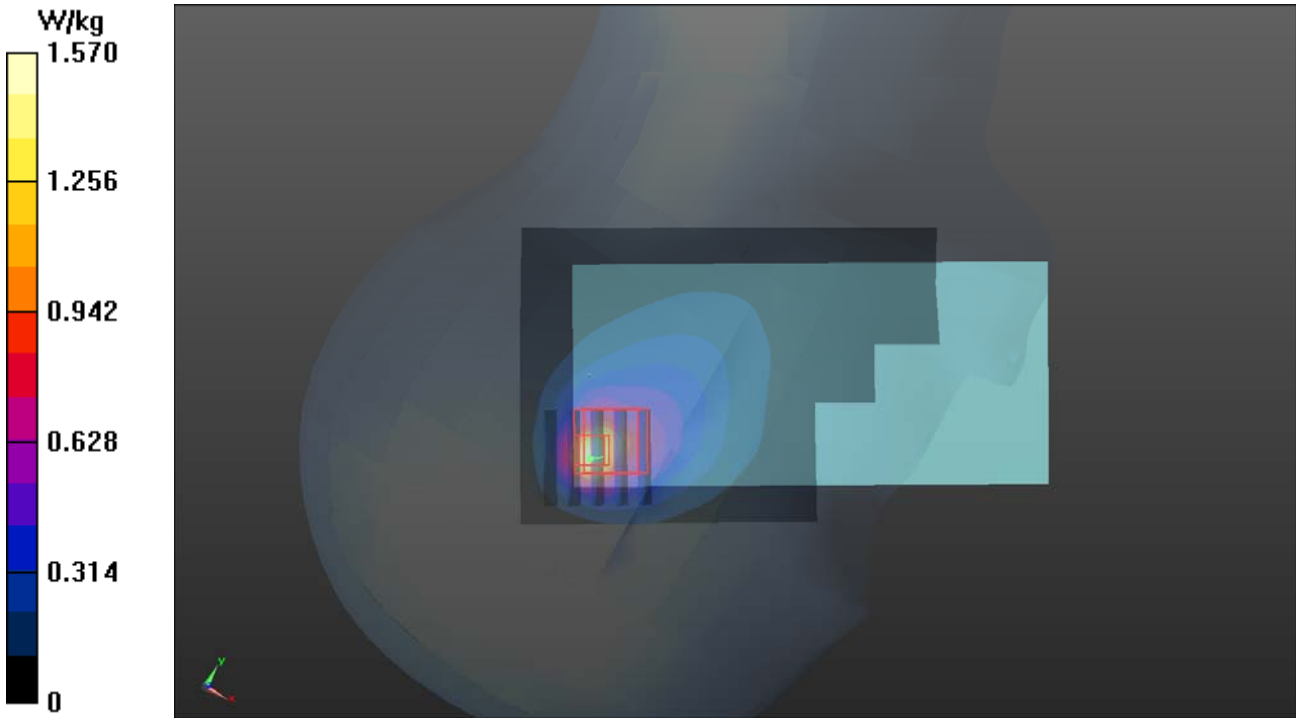
DUT: 181001C08

Communication System: CDMA2000; Frequency: 824.7 MHz;Duty Cycle: 1:1
Medium: H07T10N1_1118 Medium parameters used: f = 825 MHz; σ = 0.91 S/m; ε_r = 41.868; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃ ； Liquid Temperature：23.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(9.88, 9.88, 9.88); Calibrated: 2018/07/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2018/08/27
- Phantom: Twin SAM Phantom_1654; Type: QD000P40;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

- Area Scan (71x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.57 W/kg

- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 37.46 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 1.67 W/kg
SAR(1 g) = 0.659 W/kg; SAR(10 g) = 0.353 W/kg
Maximum value of SAR (measured) = 1.18 W/kg



P07 CDMA BC1_RC3+SO55_Right Cheek_Ch1175_Sample1_Ant1

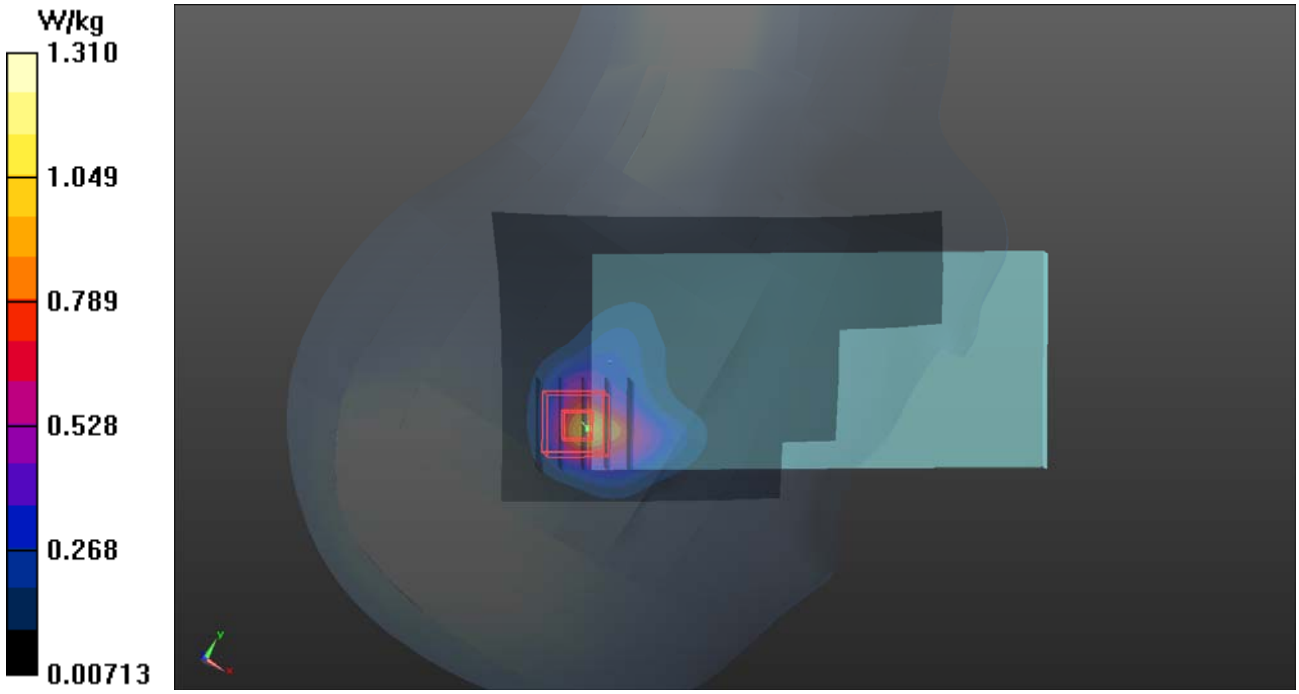
DUT: 181001C08

Communication System: CDMA2000; Frequency: 1908.75 MHz;Duty Cycle: 1:1
Medium: H16T20N1_1122 Medium parameters used: f = 1909 MHz; σ = 1.466 S/m; ε_r = 39.798; ρ = 1000 kg/m^3
Ambient Temperature：23.7 ℃ ； Liquid Temperature：23.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7472; ConvF(8.44, 8.44, 8.44); Calibrated: 2018/08/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2018/05/30
- Phantom: Twin SAM Phantom_1823; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

- Area Scan (71x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.02 W/kg

- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 22.47 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 1.71 W/kg
SAR(1 g) = 0.785 W/kg; SAR(10 g) = 0.348 W/kg
Maximum value of SAR (measured) = 1.31 W/kg



P08 CDMA BC10_RC3+SO55_Right Cheek_Ch476_Sample1_Ant1

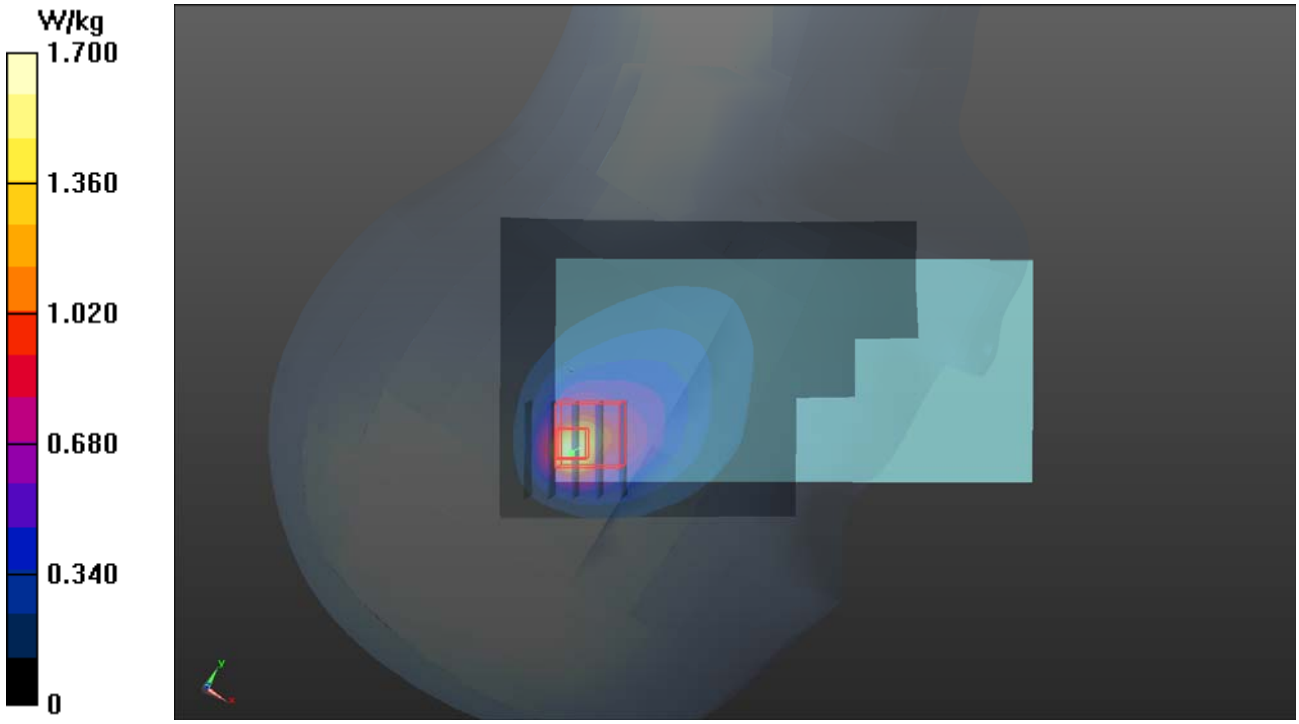
DUT: 181001C08

Communication System: CDMA2000; Frequency: 817.9 MHz;Duty Cycle: 1:1
Medium: H07T10N1_1118 Medium parameters used: f = 818 MHz; σ = 0.904 S/m; ε_r = 41.953; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃ ； Liquid Temperature：23.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(9.88, 9.88, 9.88); Calibrated: 2018/07/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2018/08/27
- Phantom: Twin SAM Phantom_1654; Type: QD000P40;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

- Area Scan (71x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.70 W/kg

- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 39.68 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 1.86 W/kg
SAR(1 g) = 0.725 W/kg; SAR(10 g) = 0.386 W/kg
Maximum value of SAR (measured) = 1.31 W/kg



P09 LTE 7_QPSK20M_Right Cheek_Ch21100_1RB_OS0_Sample1_Ant3

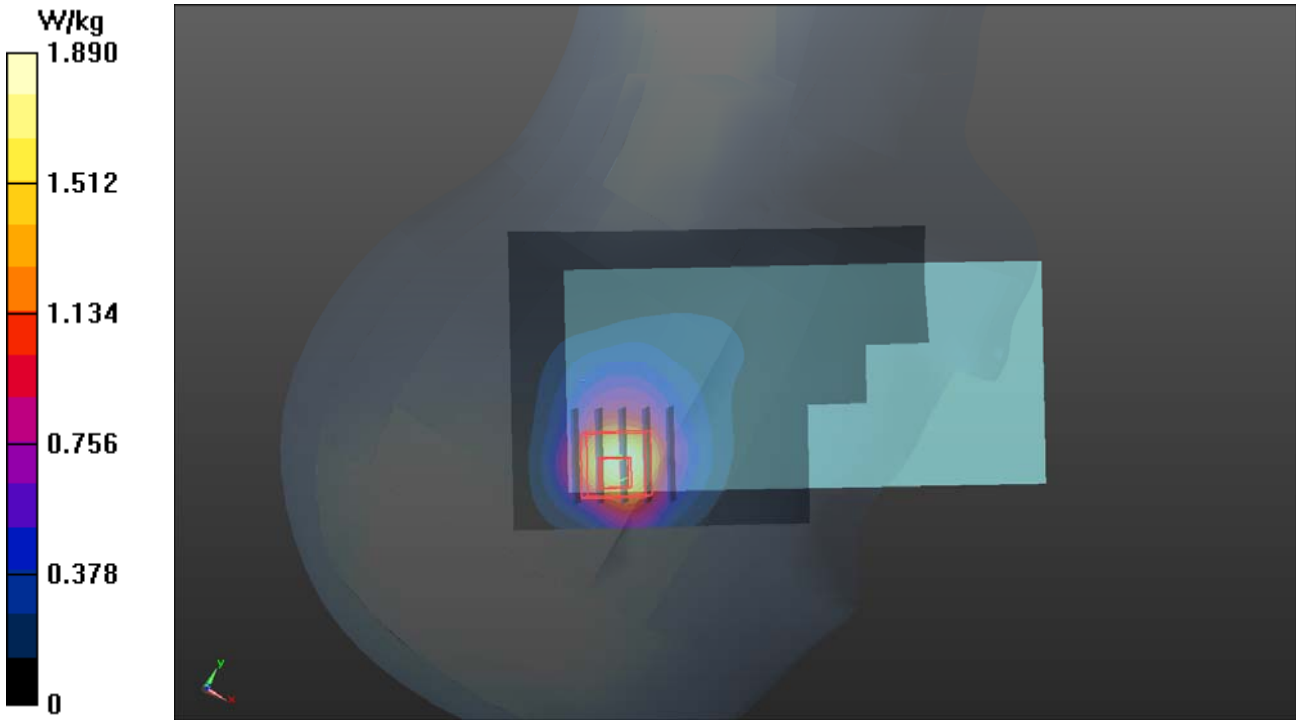
DUT: 181001C08

Communication System: LTE; Frequency: 2535 MHz;Duty Cycle: 1:1
Medium: H19T27N1_1118 Medium parameters used: f = 2535 MHz; σ = 1.947 S/m; ε_r = 38.441; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃ ； Liquid Temperature：23.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(7.48, 7.48, 7.48); Calibrated: 2018/07/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2018/08/27
- Phantom: Twin SAM Phantom_1654; Type: QD000P40;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

- Area Scan (91x171x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 1.89 W/kg

- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 32.66 V/m; Power Drift = -0.17 dB
Peak SAR (extrapolated) = 1.68 W/kg
SAR(1 g) = 0.842 W/kg; SAR(10 g) = 0.433 W/kg
Maximum value of SAR (measured) = 1.35 W/kg



P10 LTE 12_QPSK10M_Right Cheek_Ch23095_1RB_OS0_Sample1_Ant1

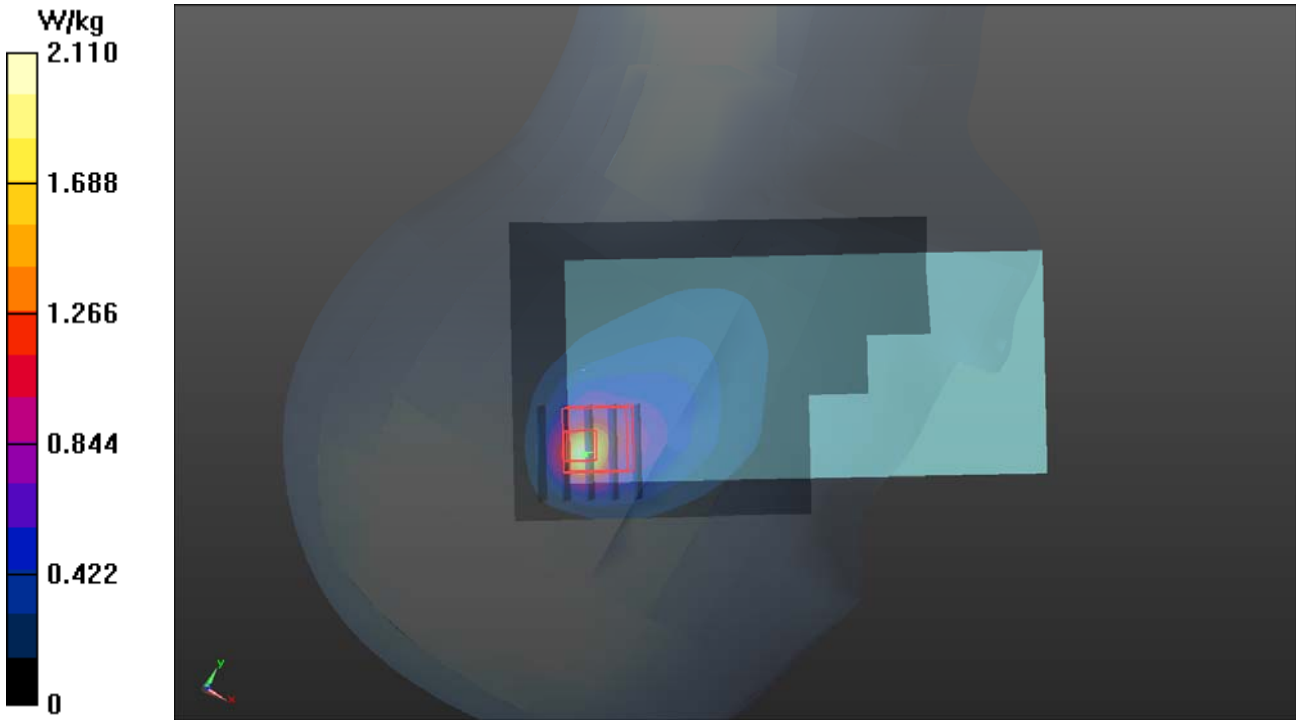
DUT: 181001C08

Communication System: LTE; Frequency: 707.5 MHz;Duty Cycle: 1:1
Medium: H06T09N1_1118 Medium parameters used: f = 707.5 MHz; σ = 0.854 S/m; ε_r = 43.519; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃ ； Liquid Temperature：23.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(10.34, 10.34, 10.34); Calibrated: 2018/07/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2018/08/27
- Phantom: Twin SAM Phantom_1654; Type: QD000P40;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

- Area Scan (71x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 2.11 W/kg

- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 46.97 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 2.40 W/kg
SAR(1 g) = 0.855 W/kg; SAR(10 g) = 0.429 W/kg
Maximum value of SAR (measured) = 1.58 W/kg



P11 LTE 13_QPSK10M_Right Cheek_Ch23230_1RB_OS0_Sample1_Ant1

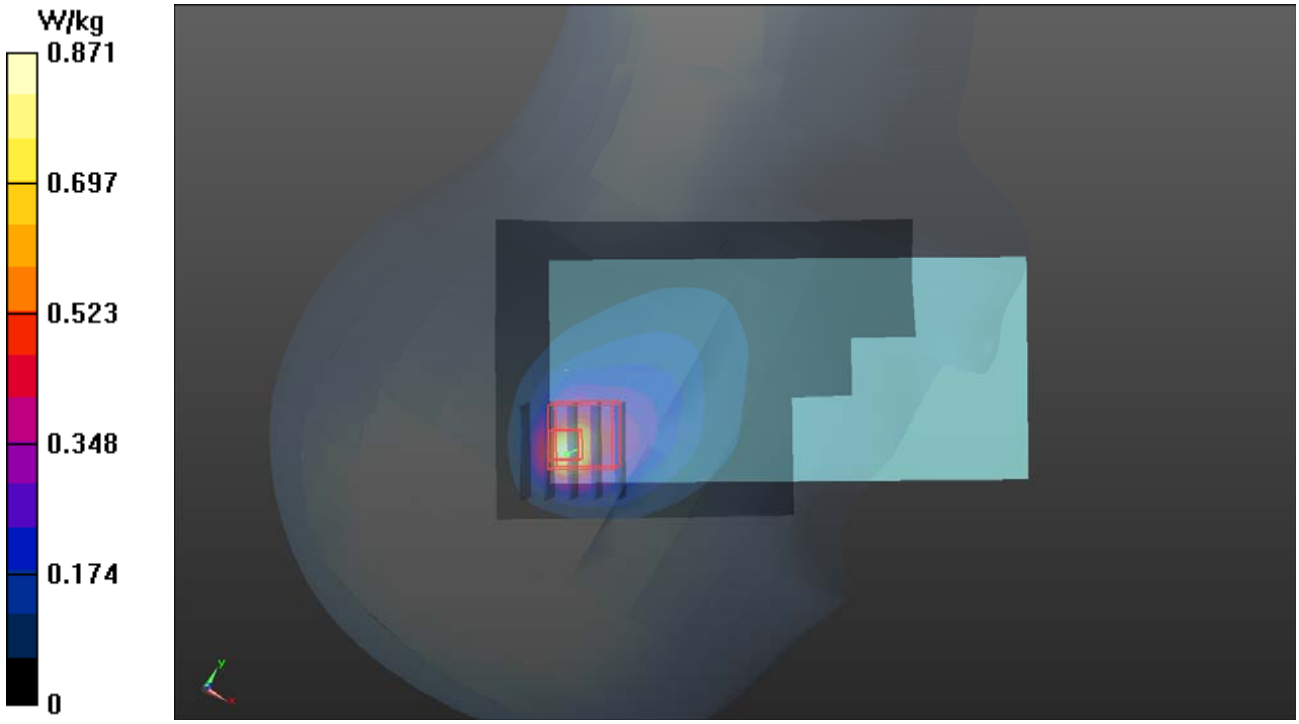
DUT: 181001C08

Communication System: LTE; Frequency: 782 MHz;Duty Cycle: 1:1
Medium: H06T09N1_1118 Medium parameters used: f = 782 MHz; σ = 0.922 S/m; ε_r = 42.596; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃ ； Liquid Temperature：23.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(10.34, 10.34, 10.34); Calibrated: 2018/07/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2018/08/27
- Phantom: Twin SAM Phantom_1654; Type: QD000P40;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

- Area Scan (71x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.871 W/kg

- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 28.57 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.977 W/kg
SAR(1 g) = 0.368 W/kg; SAR(10 g) = 0.191 W/kg
Maximum value of SAR (measured) = 0.673 W/kg



Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2018/11/18

P12 LTE 25_QPSK20M_Right Cheek_Ch26590_1RB_OS50_Sample1_Ant1

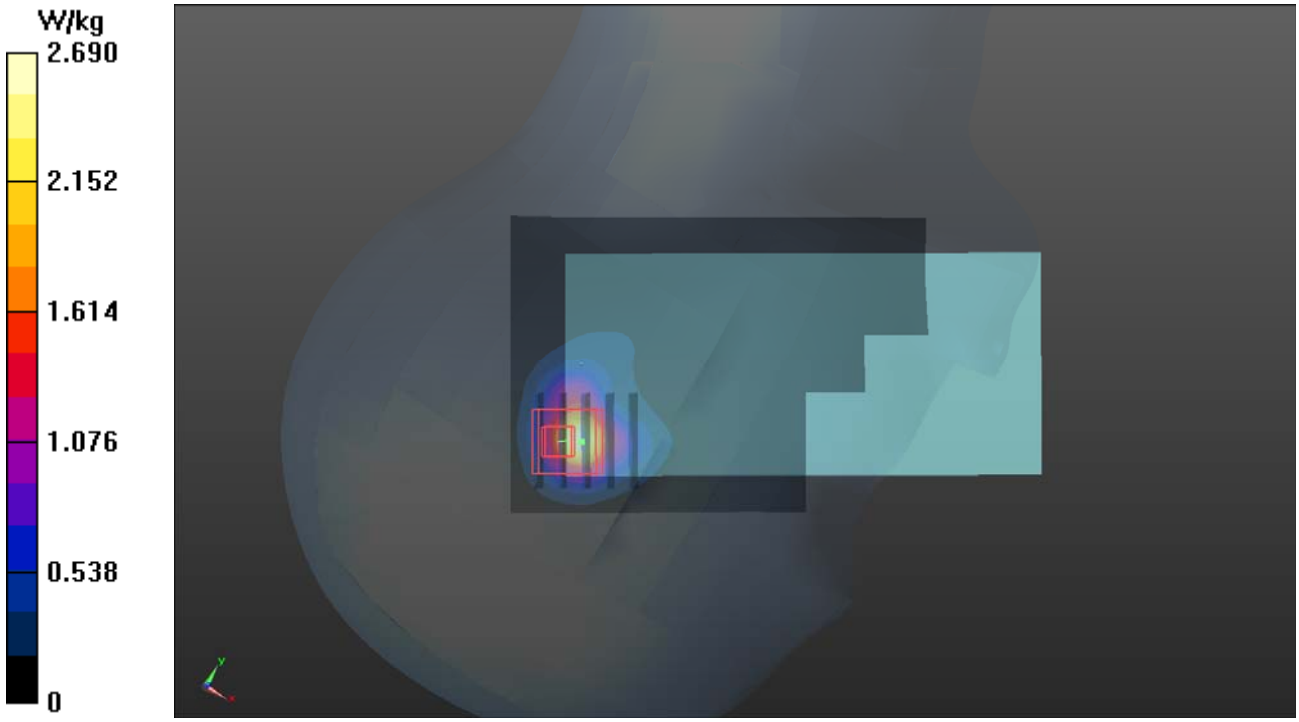
DUT: 181001C08

Communication System: LTE; Frequency: 1905 MHz;Duty Cycle: 1:1
Medium: H16T20N1_1118 Medium parameters used: f = 1905 MHz; σ = 1.461 S/m; ε_r = 38.198; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃ ； Liquid Temperature：23.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(8.28, 8.28, 8.28); Calibrated: 2018/07/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2018/08/27
- Phantom: Twin SAM Phantom_1654; Type: QD000P40;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

- Area Scan (71x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 2.69 W/kg

- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 35.38 V/m; Power Drift = 0.15 dB
Peak SAR (extrapolated) = 2.43 W/kg
SAR(1 g) = 1.02 W/kg; SAR(10 g) = 0.497 W/kg
Maximum value of SAR (measured) = 1.98 W/kg



Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2018/11/18

P13 LTE 26_QPSK15M_Right Cheek_Ch26765_1RB_OS74_Sample1_Ant1

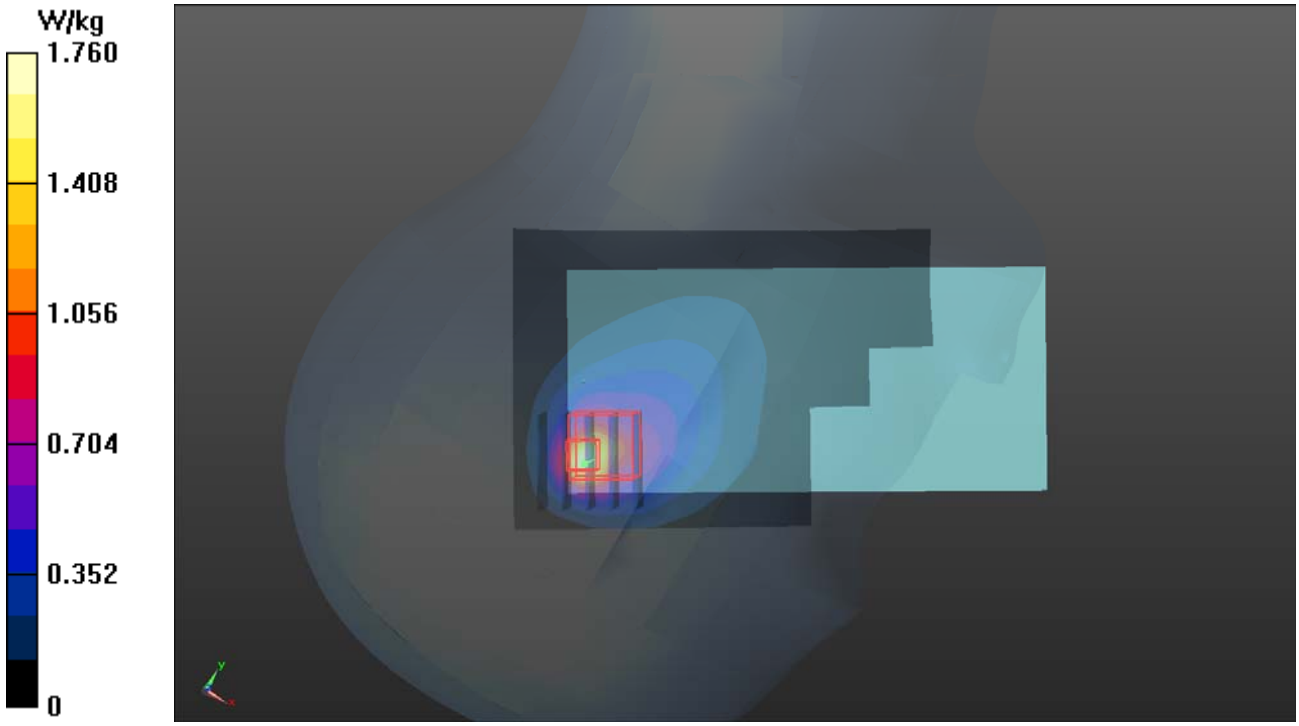
DUT: 181001C08

Communication System: LTE; Frequency: 821.5 MHz;Duty Cycle: 1:1
Medium: H07T10N1_1118 Medium parameters used: f = 821.5 MHz; σ = 0.907 S/m; ε_r = 41.911; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃ ； Liquid Temperature：23.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(9.88, 9.88, 9.88); Calibrated: 2018/07/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2018/08/27
- Phantom: Twin SAM Phantom_1654; Type: QD000P40;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

- Area Scan (71x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.76 W/kg

- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 40.71 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 1.88 W/kg
SAR(1 g) = 0.752 W/kg; SAR(10 g) = 0.396 W/kg
Maximum value of SAR (measured) = 1.32 W/kg



P14 LTE 38_QPSK20M_Right Cheek_Ch38000_1RB_OS0_Sample1_Ant3

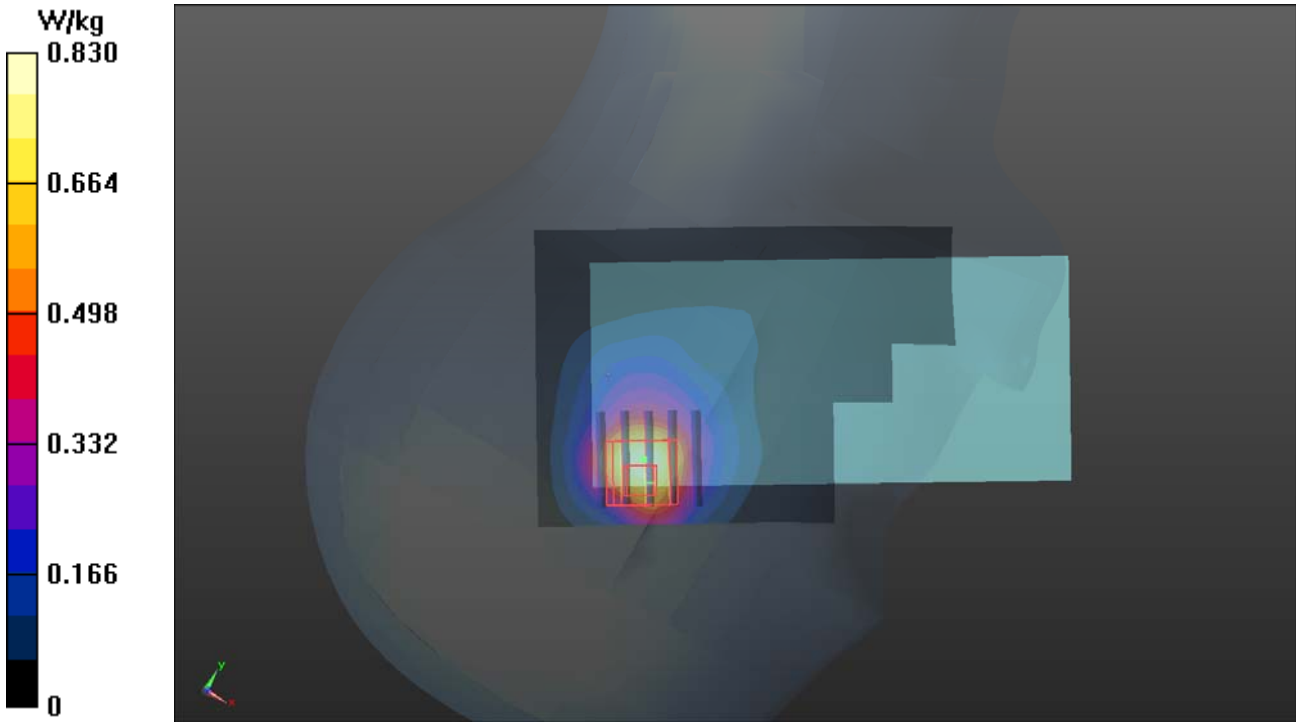
DUT: 181001C08

Communication System: LTE TDD CF0; Frequency: 2595 MHz;Duty Cycle: 1:1.58
Medium: H19T27N1_1118 Medium parameters used: f = 2595 MHz; σ = 2.007 S/m; ε_r = 38.206; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃ ； Liquid Temperature：23.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(7.48, 7.48, 7.48); Calibrated: 2018/07/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2018/08/27
- Phantom: Twin SAM Phantom_1654; Type: QD000P40;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

- Area Scan (91x171x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.830 W/kg

- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.25 V/m; Power Drift = 0.15 dB
Peak SAR (extrapolated) = 1.74 W/kg
SAR(1 g) = 0.749 W/kg; SAR(10 g) = 0.355 W/kg
Maximum value of SAR (measured) = 1.37 W/kg



P15 LTE 41_QPSK20M_Right Cheek_Ch40185_1RB_OS99_Sample1_Ant3

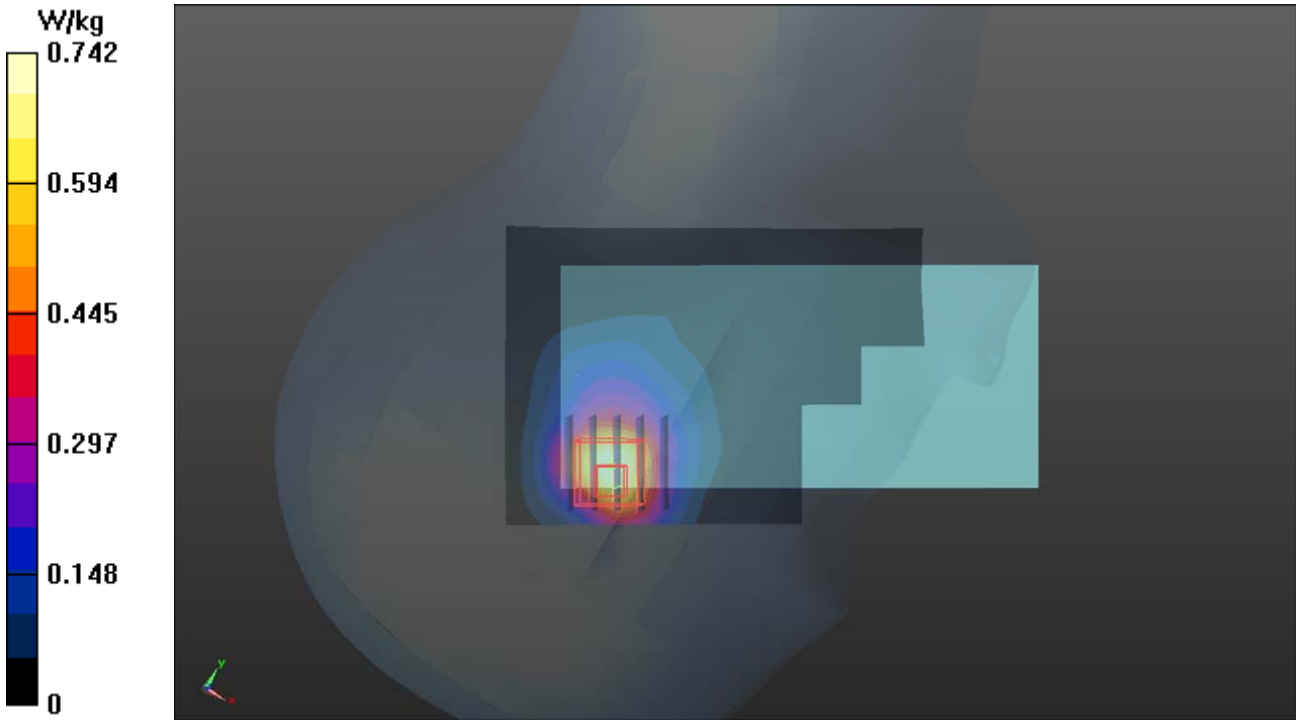
DUT: 181001C08

Communication System: LTE TDD CF0; Frequency: 2549.5 MHz;Duty Cycle: 1:1.58
Medium: H19T27N1_1118 Medium parameters used: f = 2550 MHz; σ = 1.962 S/m; ε_r = 38.392; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃ ； Liquid Temperature：23.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(7.48, 7.48, 7.48); Calibrated: 2018/07/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2018/08/27
- Phantom: Twin SAM Phantom_1654; Type: QD000P40;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

- Area Scan (91x171x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.742 W/kg

- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 20.38 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 1.53 W/kg
SAR(1 g) = 0.649 W/kg; SAR(10 g) = 0.305 W/kg
Maximum value of SAR (measured) = 1.18 W/kg



Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2018/11/18

P16 LTE 66_QPSK20M_Right Cheek_Ch132072_1RB_OS50_Sample1_Ant1

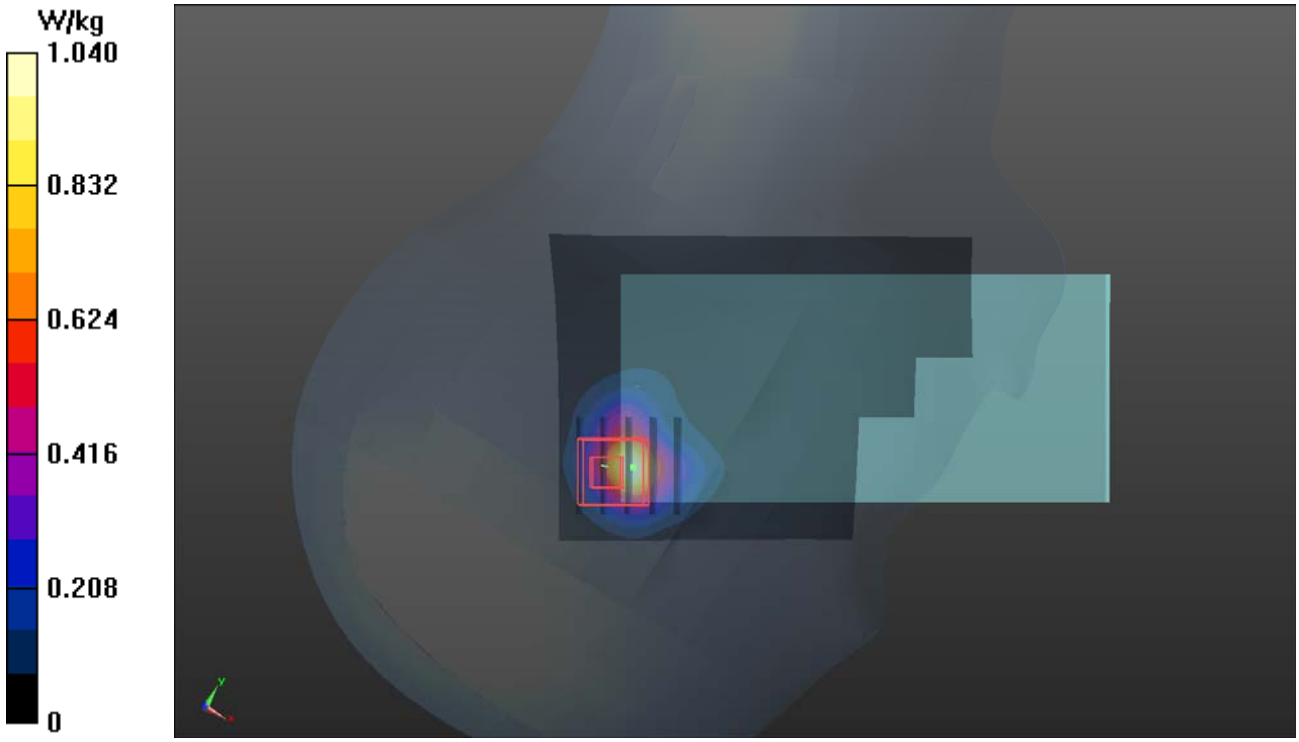
DUT: 181001C08

Communication System: LTE; Frequency: 1720 MHz;Duty Cycle: 1:1
Medium: H16T20N1_1118 Medium parameters used: f = 1720 MHz; σ = 1.302 S/m; ε_r = 38.795; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃ ； Liquid Temperature：23.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(8.6, 8.6, 8.6); Calibrated: 2018/07/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2018/08/27
- Phantom: Twin SAM Phantom_1654; Type: QD000P40;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

- Area Scan (71x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.04 W/kg

- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 23.37 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 0.948 W/kg
SAR(1 g) = 0.448 W/kg; SAR(10 g) = 0.201 W/kg
Maximum value of SAR (measured) = 0.789 W/kg



Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2018/11/13

P17 WLAN2.4G_802.11b_Left Cheek_Ch6_Sample1_Ant0+1

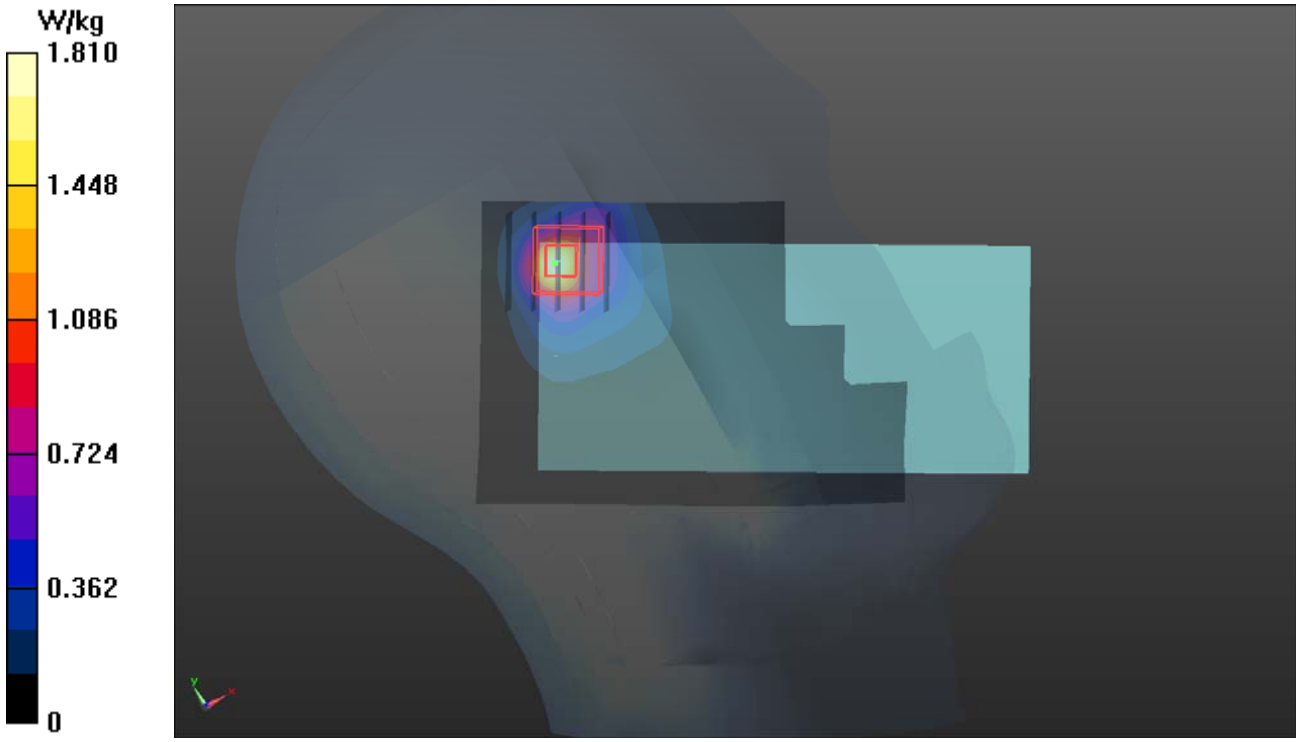
DUT: 181001C08

Communication System: WLAN_2.4G; Frequency: 2437 MHz;Duty Cycle: 1:1.02
Medium: H19T27N3_1113 Medium parameters used: f = 2437 MHz; σ = 1.852 S/m; ε_r = 38.129; ρ = 1000 kg/m^3
Ambient Temperature：23.7 ℃ ； Liquid Temperature：23.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(7.64, 7.64, 7.64); Calibrated: 2018/07/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2018/08/27
- Phantom: Twin SAM Phantom_1654; Type: QD000P40;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

- Area Scan (91x171x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 1.81 W/kg

- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 30.71 V/m; Power Drift = -0.18 dB
Peak SAR (extrapolated) = 2.33 W/kg
SAR(1 g) = 1.04 W/kg; SAR(10 g) = 0.485 W/kg
Maximum value of SAR (measured) = 1.86 W/kg



P18 WLAN5.3G_802.11n HT40_Left Cheek_Ch54_Sample1_Ant0+1

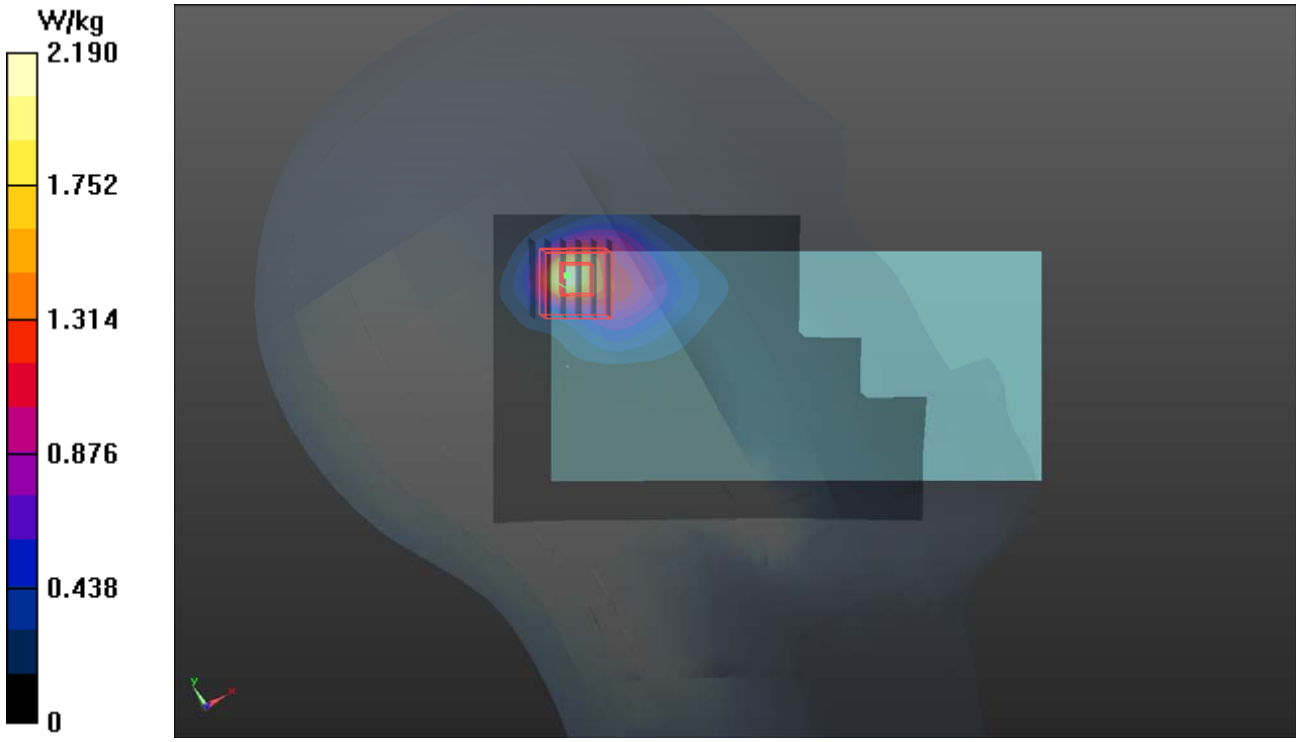
DUT: 181001C08

Communication System: WLAN_5G; Frequency: 5270 MHz;Duty Cycle: 1:1.04
Medium: H34T60N1_1120 Medium parameters used: f = 5270 MHz; σ = 4.659 S/m; ε_r = 37.448; ρ = 1000 kg/m^3
Ambient Temperature：23.8 ℃ ； Liquid Temperature：23.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(5.46, 5.46, 5.46); Calibrated: 2018/07/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2018/08/27
- Phantom: Twin SAM Phantom_1654; Type: QD000P40;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

- Area Scan (101x201x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 2.19 W/kg

- Zoom Scan (6x6x12)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=2mm
Reference Value = 24.82 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 3.75 W/kg
SAR(1 g) = 0.942 W/kg; SAR(10 g) = 0.334 W/kg
Maximum value of SAR (measured) = 2.32 W/kg



P19 WLAN5.6G_802.11ac VHT80_Left Cheek_Ch138_Sample1_Ant0+1

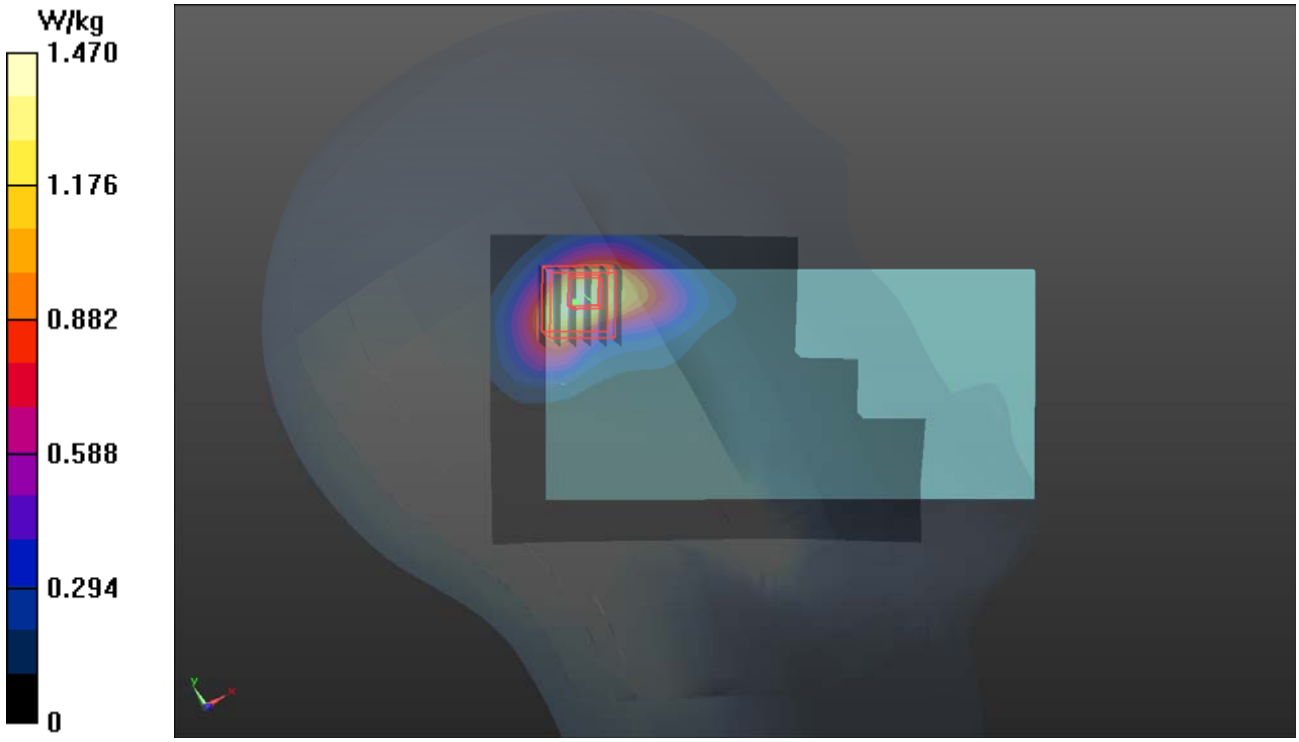
DUT: 181001C08

Communication System: WLAN_5G; Frequency: 5690 MHz;Duty Cycle: 1:1.1
Medium: H34T60N1_1120 Medium parameters used: f = 5690 MHz; σ = 5.096 S/m; ε_r = 36.839; ρ = 1000 kg/m^3
Ambient Temperature：23.8 ℃ ； Liquid Temperature：23.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(5.33, 5.33, 5.33); Calibrated: 2018/07/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2018/08/27
- Phantom: Twin SAM Phantom_1654; Type: QD000P40;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

- Area Scan (101x201x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 1.47 W/kg

- Zoom Scan (6x6x12)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=2mm
Reference Value = 14.97 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 3.79 W/kg
SAR(1 g) = 0.849 W/kg; SAR(10 g) = 0.288 W/kg
Maximum value of SAR (measured) = 2.17 W/kg



P20 WLAN5.8G_802.11ac VHT80_Left Cheek_Ch155_Sample1_Ant0+1

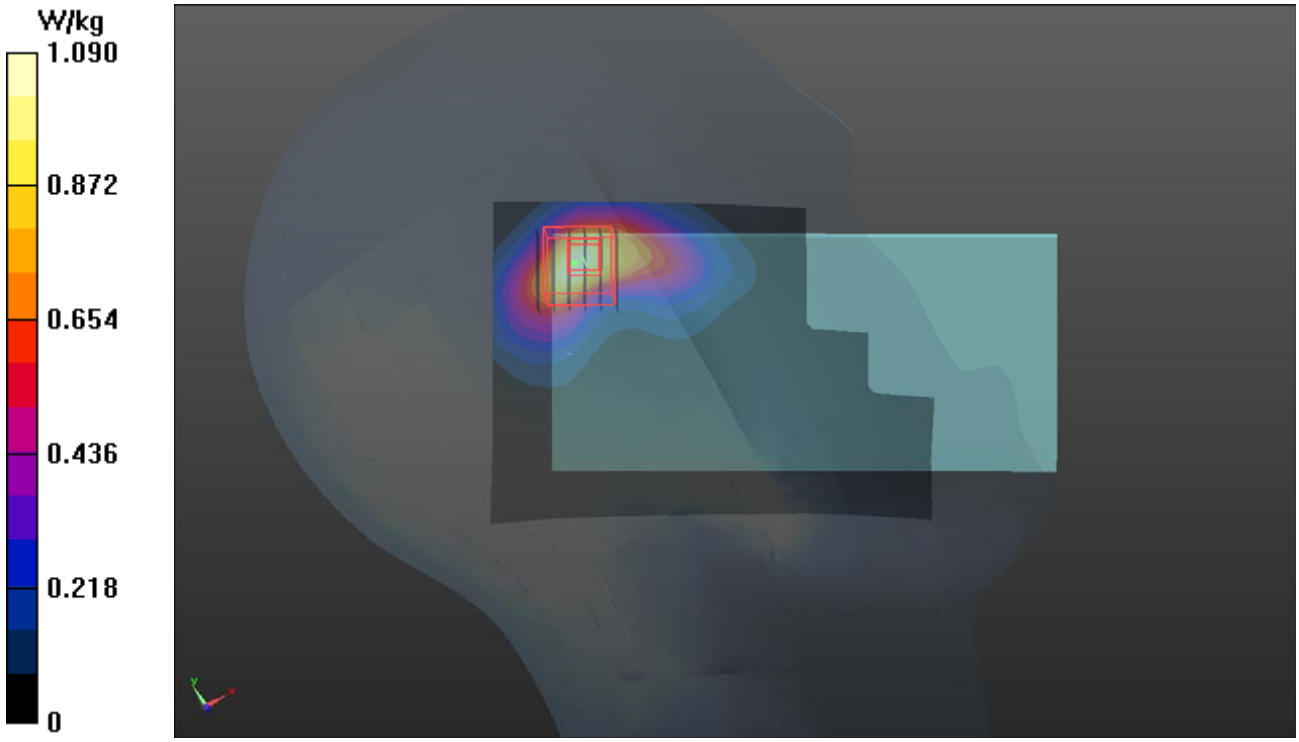
DUT: 181001C08

Communication System: WLAN_5G; Frequency: 5775 MHz;Duty Cycle: 1:1.1
Medium: H34T60N3_1113 Medium parameters used: f = 5775 MHz; σ = 5.194 S/m; ε_r = 34.672; ρ = 1000 kg/m^3
Ambient Temperature：23.7 ℃ ； Liquid Temperature：23.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(5.33, 5.33, 5.33); Calibrated: 2018/07/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2018/08/27
- Phantom: Twin SAM Phantom_1654; Type: QD000P40;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

- Area Scan (101x201x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 1.09 W/kg

- Zoom Scan (6x6x12)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=2mm
Reference Value = 16.19 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 3.50 W/kg
SAR(1 g) = 0.748 W/kg; SAR(10 g) = 0.237 W/kg
Maximum value of SAR (measured) = 1.98 W/kg



P21 BT_BDR_Left Cheek_Ch39_Sample1_Ant0

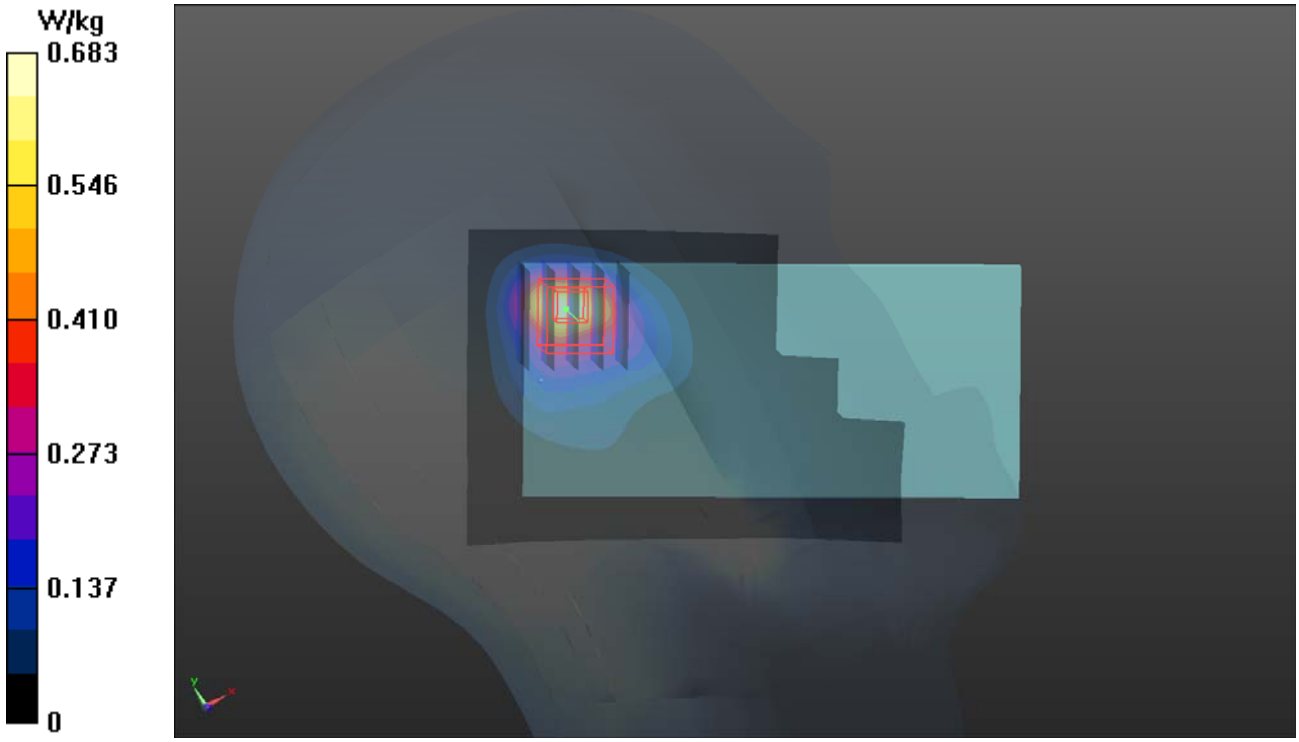
DUT: 181001C08

Communication System: BT; Frequency: 2441 MHz;Duty Cycle: 1:1.31
Medium: H19T27N3_1113 Medium parameters used: f = 2441 MHz; σ = 1.855 S/m; ε_r = 38.106; ρ = 1000 kg/m^3
Ambient Temperature：23.7 ℃ ； Liquid Temperature：23.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(7.64, 7.64, 7.64); Calibrated: 2018/07/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2018/08/27
- Phantom: Twin SAM Phantom_1654; Type: QD000P40;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

- Area Scan (91x171x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.683 W/kg

- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.03 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.810 W/kg
SAR(1 g) = 0.177 W/kg; SAR(10 g) = 0.088 W/kg
Maximum value of SAR (measured) = 0.570 W/kg



P22 GSM850_GPRS12_Rear Face_10mm_Ch128_Sample1_Ant0

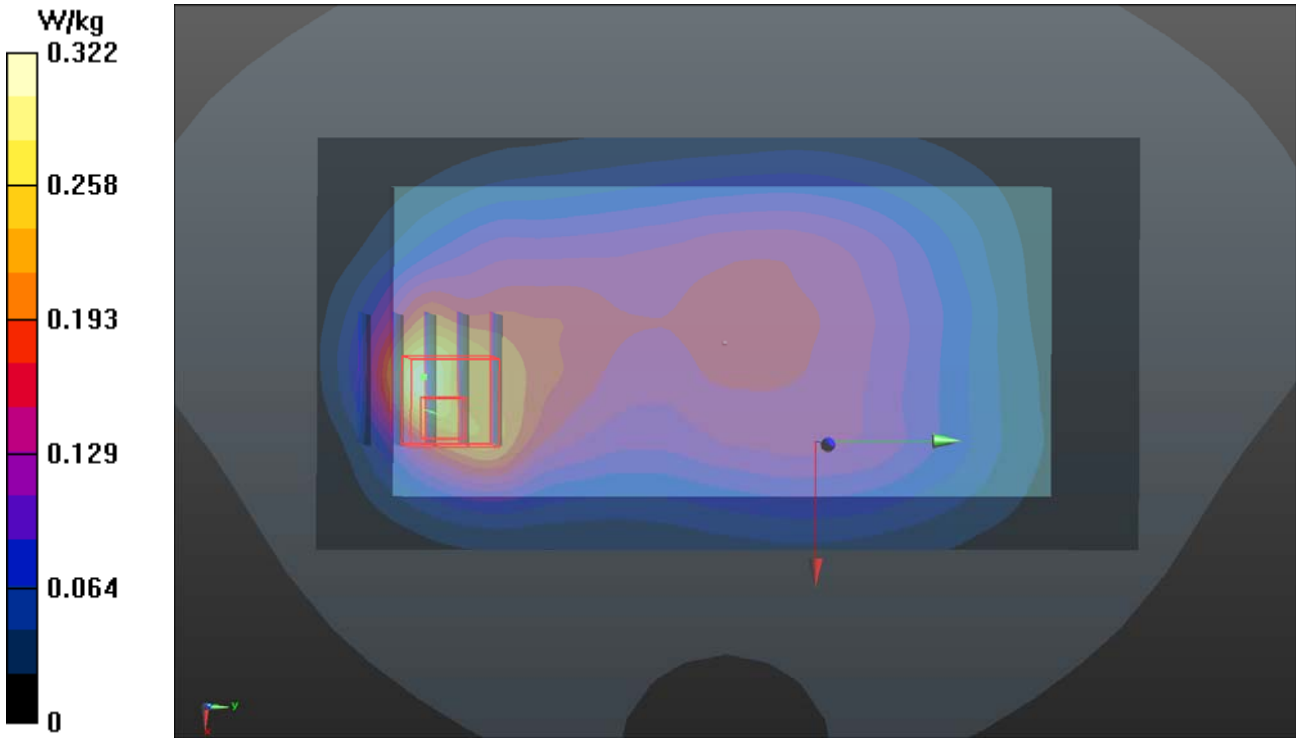
DUT: 181001C08

Communication System: GPRS12 ; Frequency: 824.2 MHz;Duty Cycle: 1:2
Medium: B07T10N2_1121 Medium parameters used: f = 824.2 MHz; σ = 0.97 S/m; ε_r = 54.173; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃ ； Liquid Temperature：23.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3898; ConvF(10.25, 10.25, 10.25); Calibrated: 2018/06/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2018/01/18
- Phantom: Twin SAM Phantom_1496; Type: QD000P40CA;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

- Area Scan (71x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.322 W/kg

- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.64 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 0.356 W/kg
SAR(1 g) = 0.211 W/kg; SAR(10 g) = 0.112 W/kg
Maximum value of SAR (measured) = 0.295 W/kg



P23 GSM1900_GPRS12_Rear Face_10mm_Ch661_Smaple1_Ant0

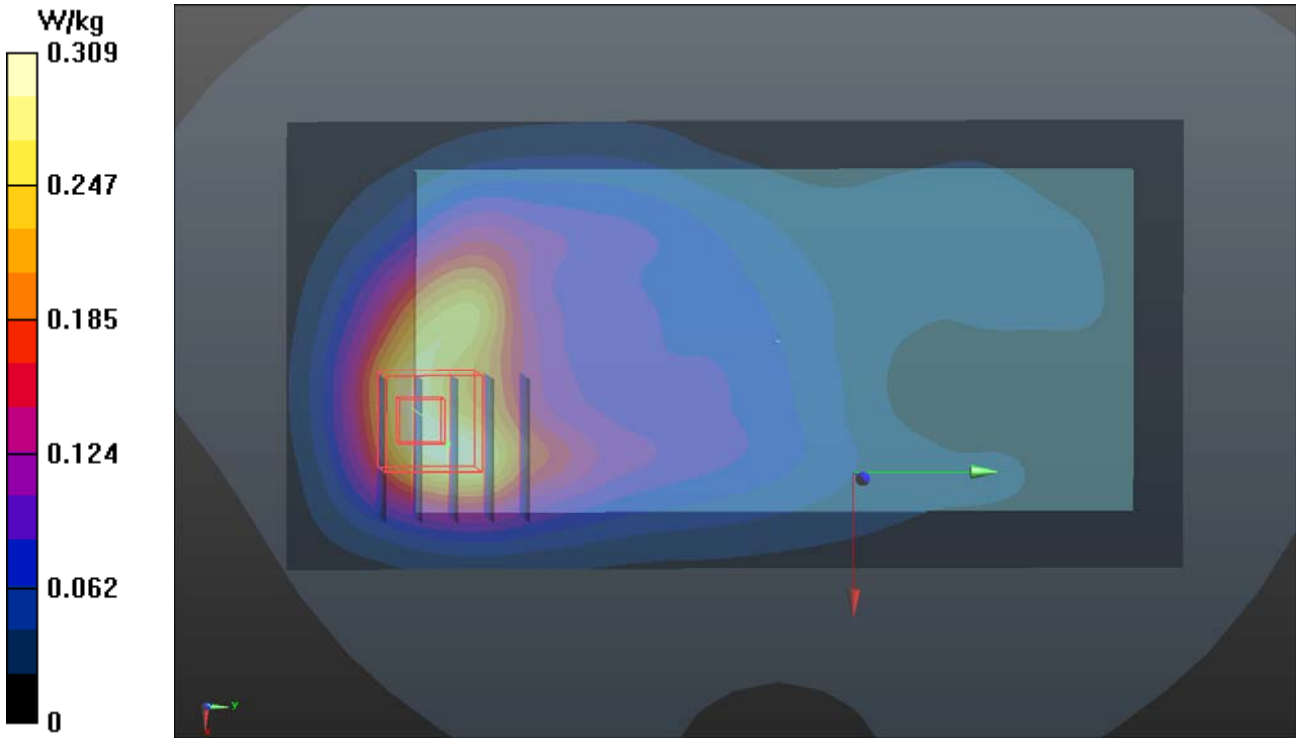
DUT: 181001C08

Communication System: GPRS12; Frequency: 1880 MHz;Duty Cycle: 1:2
Medium: B16T20N2_1206 Medium parameters used: f = 1880 MHz; σ = 1.566 S/m; ε_r = 51.779; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃ ； Liquid Temperature：23.1 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(7.89, 7.89, 7.89); Calibrated: 2018/07/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2018/08/27
- Phantom: Twin SAM Phantom_1822; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

- Area Scan (71x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.309 W/kg

- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.91 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.470 W/kg
SAR(1 g) = 0.248 W/kg; SAR(10 g) = 0.132 W/kg
Maximum value of SAR (measured) = 0.378 W/kg



P24 WCDMA II_RMC12.2K_Rear Face_10mm_Ch9538_Smaple1_Ant0

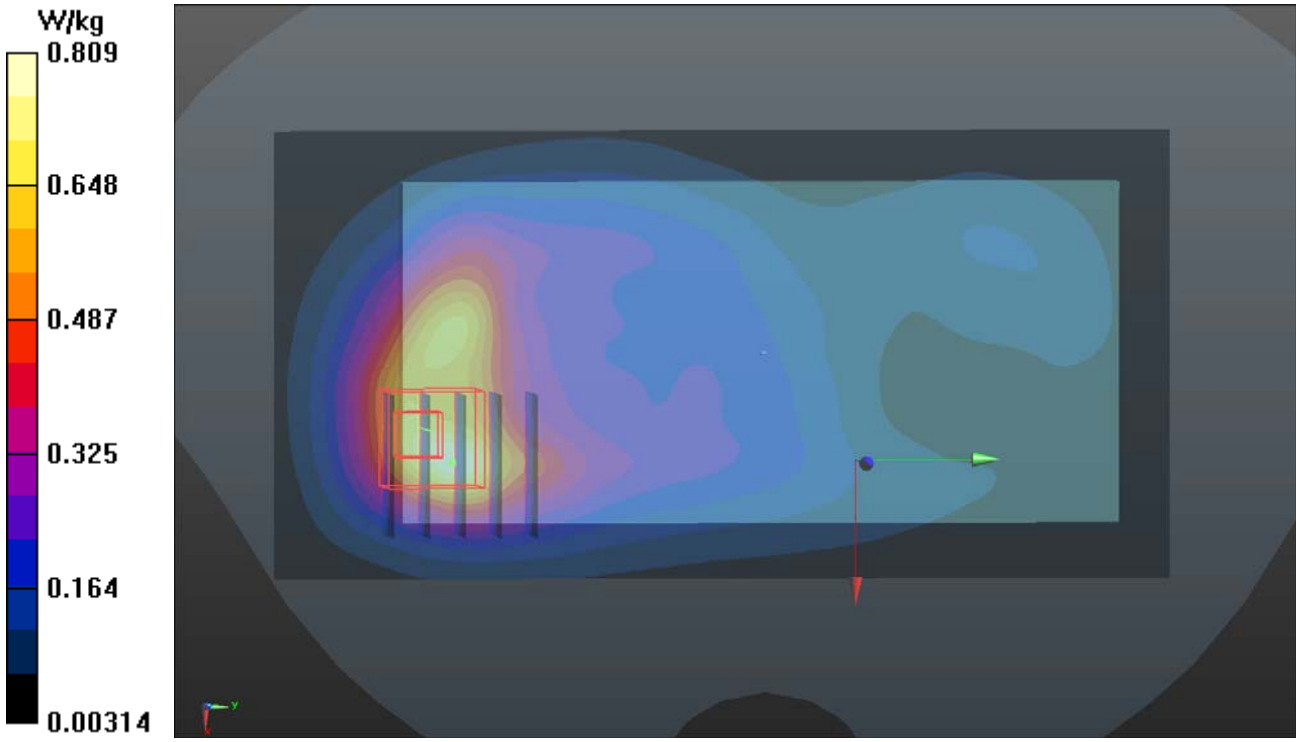
DUT: 181001C08

Communication System: WCDMA; Frequency: 1907.6 MHz;Duty Cycle: 1:1
Medium: B16T20N2_1206 Medium parameters used: f = 1908 MHz; σ = 1.585 S/m; ε_r = 51.735; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃ ； Liquid Temperature：23.1 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(7.89, 7.89, 7.89); Calibrated: 2018/07/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2018/08/27
- Phantom: Twin SAM Phantom_1822; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

- Area Scan (71x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.809 W/kg

- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 20.55 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 1.11 W/kg
SAR(1 g) = 0.633 W/kg; SAR(10 g) = 0.343 W/kg
Maximum value of SAR (measured) = 0.913 W/kg



P25 WCDMA IV_RMC12.2K_Rear Face_10mm_Ch1312_Smaple1_Ant0

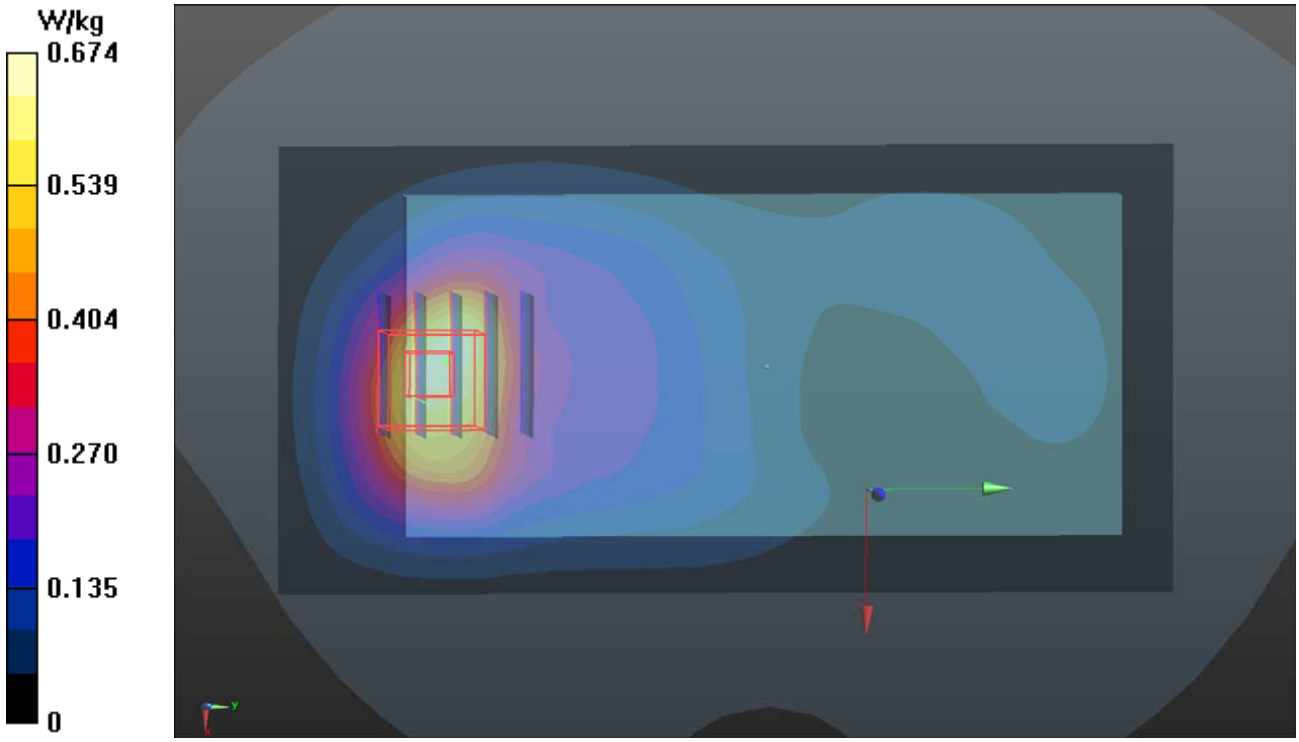
DUT: 181001C08

Communication System: WCDMA; Frequency: 1712.4 MHz;Duty Cycle: 1:1
Medium: B16T20N2_1206 Medium parameters used: f = 1712.4 MHz; σ = 1.429 S/m; ε_r = 52.051; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃ ； Liquid Temperature：23.1 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(8.2, 8.2, 8.2); Calibrated: 2018/07/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2018/08/27
- Phantom: Twin SAM Phantom_1822; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

- Area Scan (71x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.674 W/kg

- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.38 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 1.02 W/kg
SAR(1 g) = 0.533 W/kg; SAR(10 g) = 0.3 W/kg
Maximum value of SAR (measured) = 0.795 W/kg



P26 WCDMA V_RMC12.2K_Rear Face_10mm_Ch4182_Sample1_Ant0

DUT: 181001C08

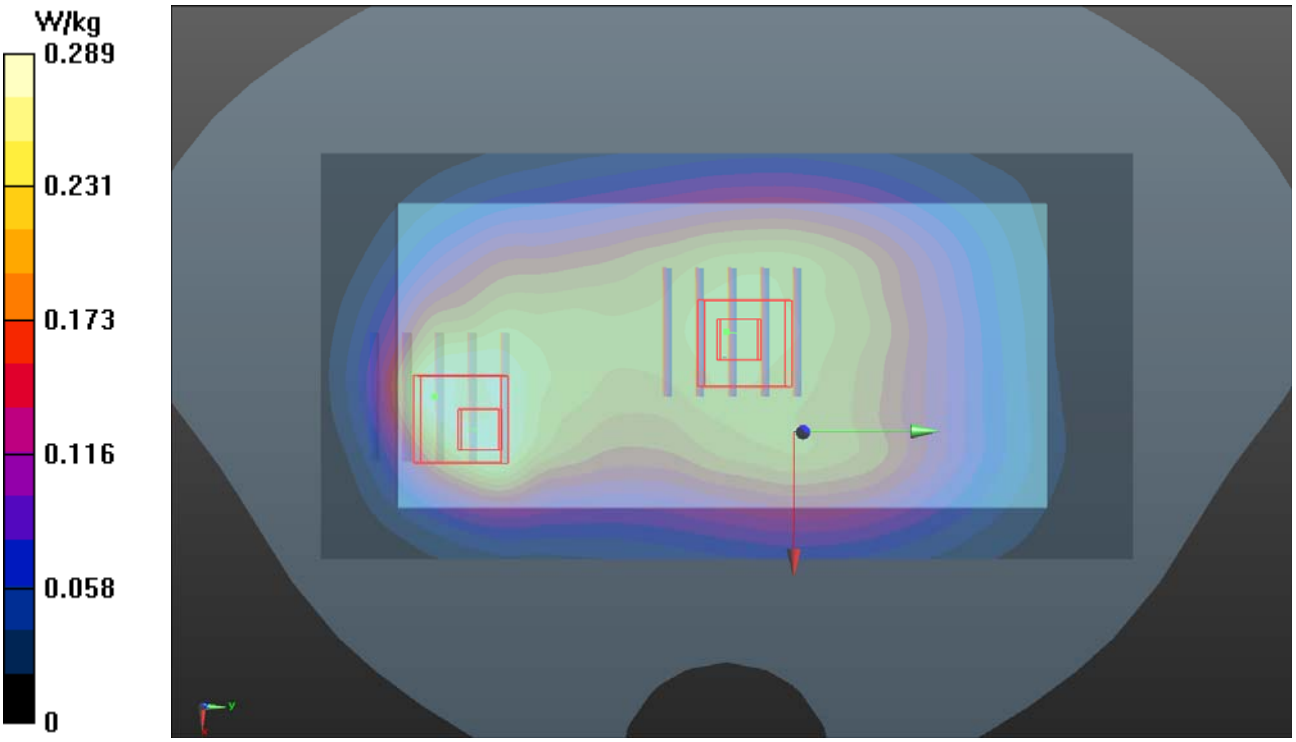
Communication System: WCDMA; Frequency: 836.4 MHz;Duty Cycle: 1:1
Medium: B07T10N2_1121 Medium parameters used: f = 836.4 MHz; σ = 0.982 S/m; ε_r = 54.048; ρ = 1000 kg/m^3
Ambient Temperature：23.8 ℃ ； Liquid Temperature：23.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3898; ConvF(10.25, 10.25, 10.25); Calibrated: 2018/06/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2018/01/18
- Phantom: Twin SAM Phantom_1496; Type: QD000P40CA;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

- Area Scan (71x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.289 W/kg

- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.22 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 0.350 W/kg
SAR(1 g) = 0.212 W/kg; SAR(10 g) = 0.123 W/kg
Maximum value of SAR (measured) = 0.294 W/kg

- Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.22 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 0.256 W/kg
SAR(1 g) = 0.201 W/kg; SAR(10 g) = 0.156 W/kg
Maximum value of SAR (measured) = 0.237 W/kg



Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2018/11/21

P27 CDMA BC0_RTAP153.6_Rear Face_10mm_Ch384_Sample1_Ant0

DUT: 181001C08

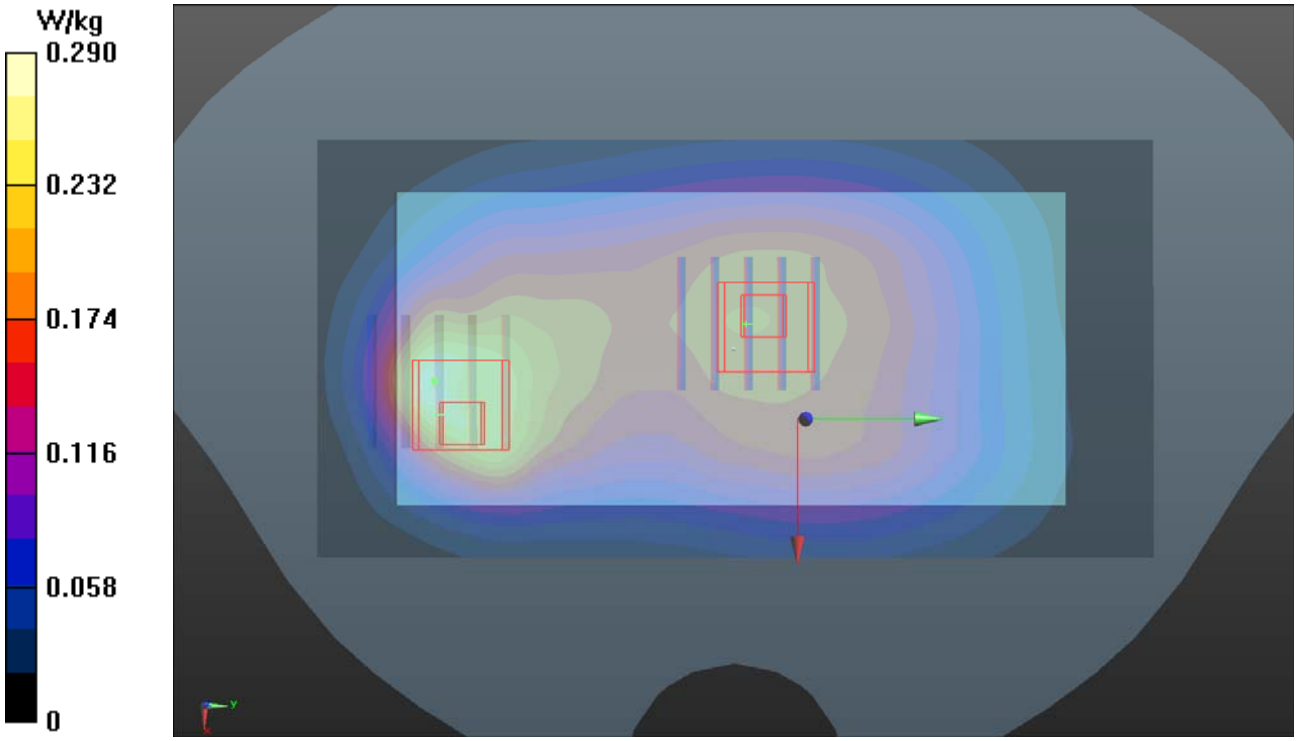
Communication System: CDMA2000; Frequency: 836.52 MHz;Duty Cycle: 1:1
Medium: B07T10N2_1121 Medium parameters used: f = 837 MHz; σ = 0.983 S/m; ε_r = 54.042; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃ ； Liquid Temperature：23.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3898; ConvF(10.25, 10.25, 10.25); Calibrated: 2018/06/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2018/01/18
- Phantom: Twin SAM Phantom_1496; Type: QD000P40CA;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

- Area Scan (71x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.290 W/kg

- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.39 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 0.338 W/kg
SAR(1 g) = 0.207 W/kg; SAR(10 g) = 0.116 W/kg
Maximum value of SAR (measured) = 0.279 W/kg

- Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.39 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 0.209 W/kg
SAR(1 g) = 0.163 W/kg; SAR(10 g) = 0.126 W/kg
Maximum value of SAR (measured) = 0.193 W/kg



Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2018/12/06

P28 CDMA BC1_RTAP153.6_Rear Face_10mm_Ch1175_Smaple1_Ant0

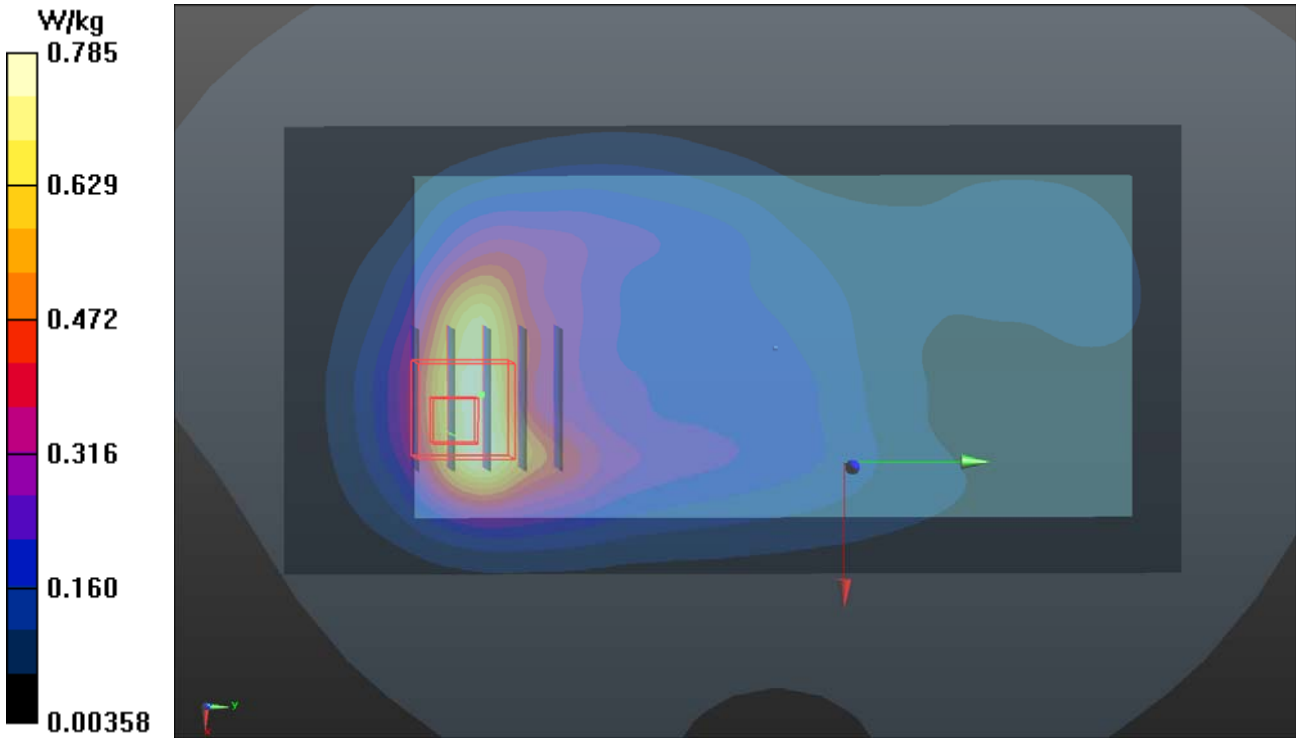
DUT: 181001C08

Communication System: CDMA2000 ; Frequency: 1908.75 MHz;Duty Cycle: 1:1
Medium: B16T20N2_1206 Medium parameters used: f = 1909 MHz; σ = 1.586 S/m; ε_r = 51.731; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃ ； Liquid Temperature：23.1 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(7.89, 7.89, 7.89); Calibrated: 2018/07/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2018/08/27
- Phantom: Twin SAM Phantom_1822; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

- Area Scan (71x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.785 W/kg

- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 22.65 V/m; Power Drift = 0.16 dB
Peak SAR (extrapolated) = 1.02 W/kg
SAR(1 g) = 0.542 W/kg; SAR(10 g) = 0.313 W/kg
Maximum value of SAR (measured) = 0.823 W/kg



P29 CDMA BC10_RTAP153.6_Rear Face_10mm_Ch476_Sample1_Ant1

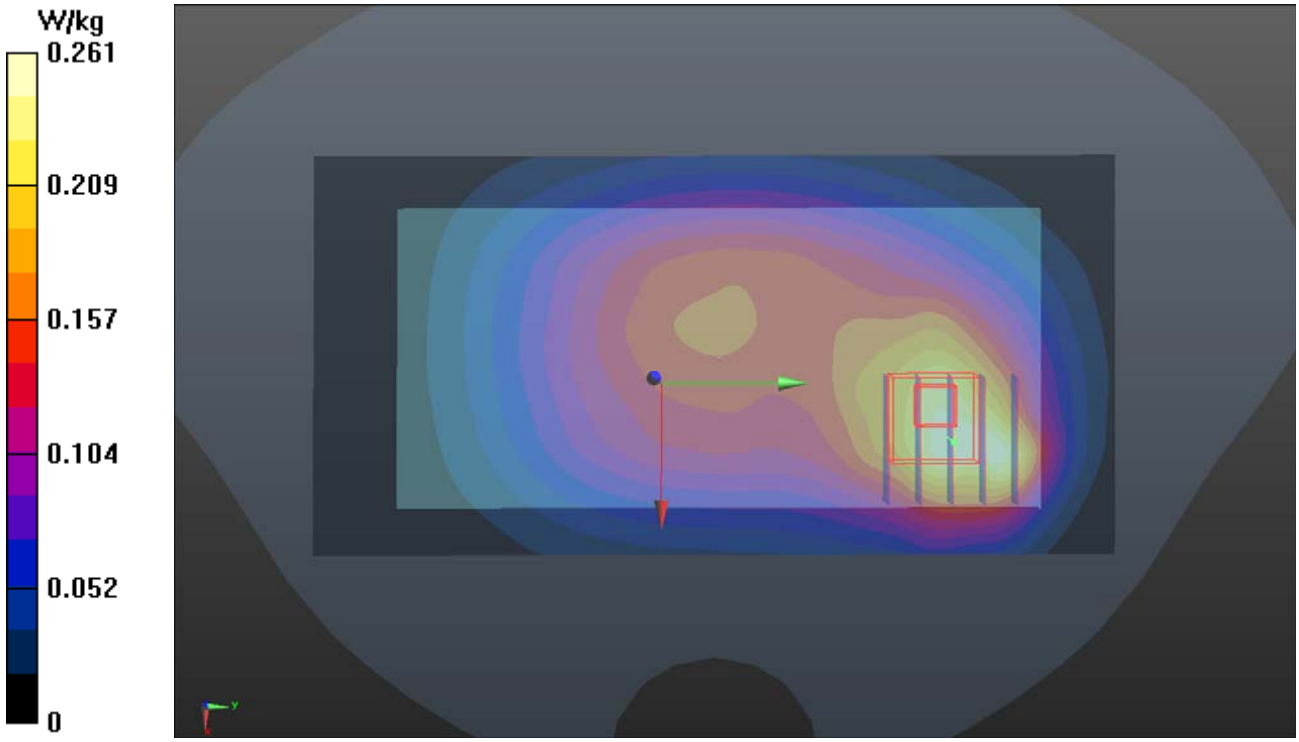
DUT: 181001C08

Communication System: CDMA2000; Frequency: 817.9 MHz;Duty Cycle: 1:1
Medium: B07T10N2_1121 Medium parameters used: f = 818 MHz; σ = 0.965 S/m; ε_r = 54.231; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃ ； Liquid Temperature：23.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3898; ConvF(10.25, 10.25, 10.25); Calibrated: 2018/06/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2018/01/18
- Phantom: Twin SAM Phantom_1496; Type: QD000P40CA;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

- Area Scan (71x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.261 W/kg

- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.25 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.272 W/kg
SAR(1 g) = 0.195 W/kg; SAR(10 g) = 0.129 W/kg
Maximum value of SAR (measured) = 0.237 W/kg



P30 LTE 7_QPSK20M_Front Face_10mm_Ch20850_1RB_OS0_Sample1_Ant2

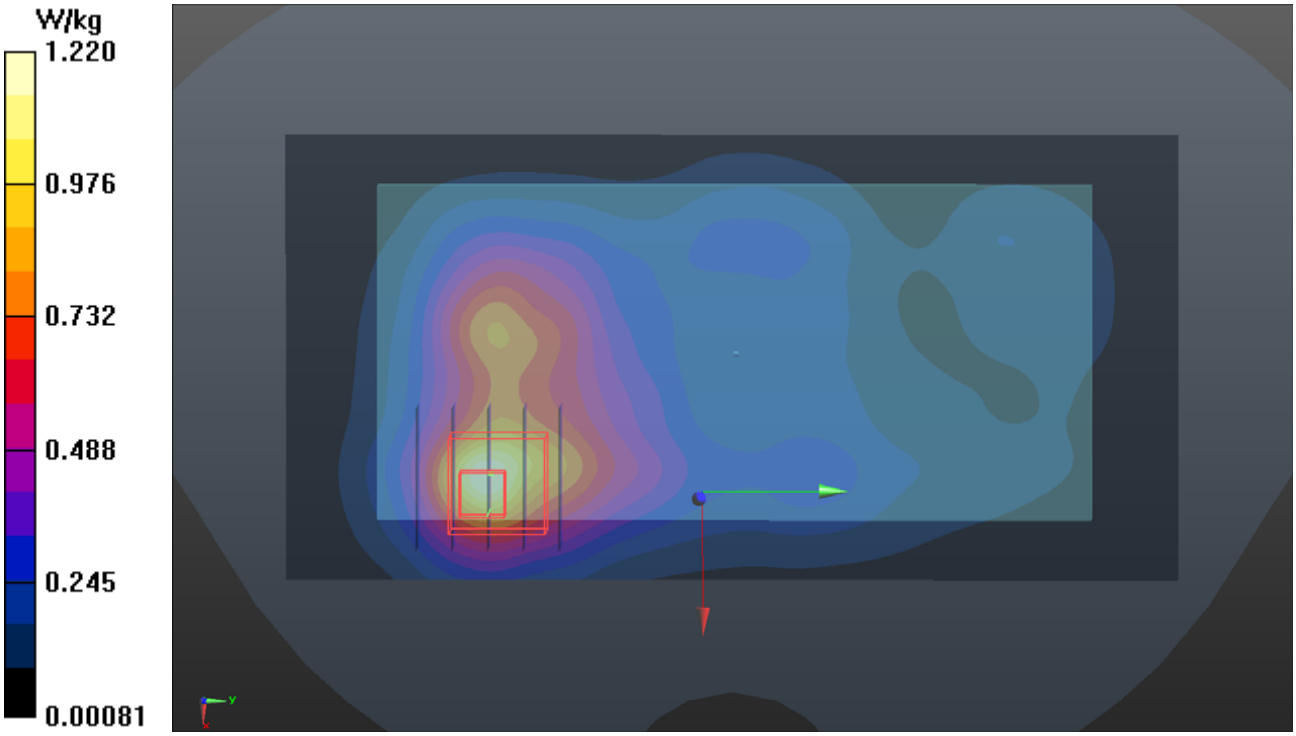
DUT: 181001C08

Communication System: LTE; Frequency: 2510 MHz;Duty Cycle: 1:1
Medium: B19T27N1_1119 Medium parameters used: f = 2510 MHz; σ = 2.076 S/m; ε_r = 51.383; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃ ； Liquid Temperature：23.1 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3898; ConvF(7.51, 7.51, 7.51); Calibrated: 2018/06/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2018/01/18
- Phantom: Twin SAM Phantom_1496; Type: QD000P40CA;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

- Area Scan (91x171x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 1.22 W/kg

- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 23.27 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 1.33 W/kg
SAR(1 g) = 0.694 W/kg; SAR(10 g) = 0.376 W/kg
Maximum value of SAR (measured) = 1.03 W/kg



Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2018/11/21

P31 LTE 12_QPSK10M_Rear Face_10mm_Ch23130_1RB_OS0_Sample1_Ant1

DUT: 181001C08

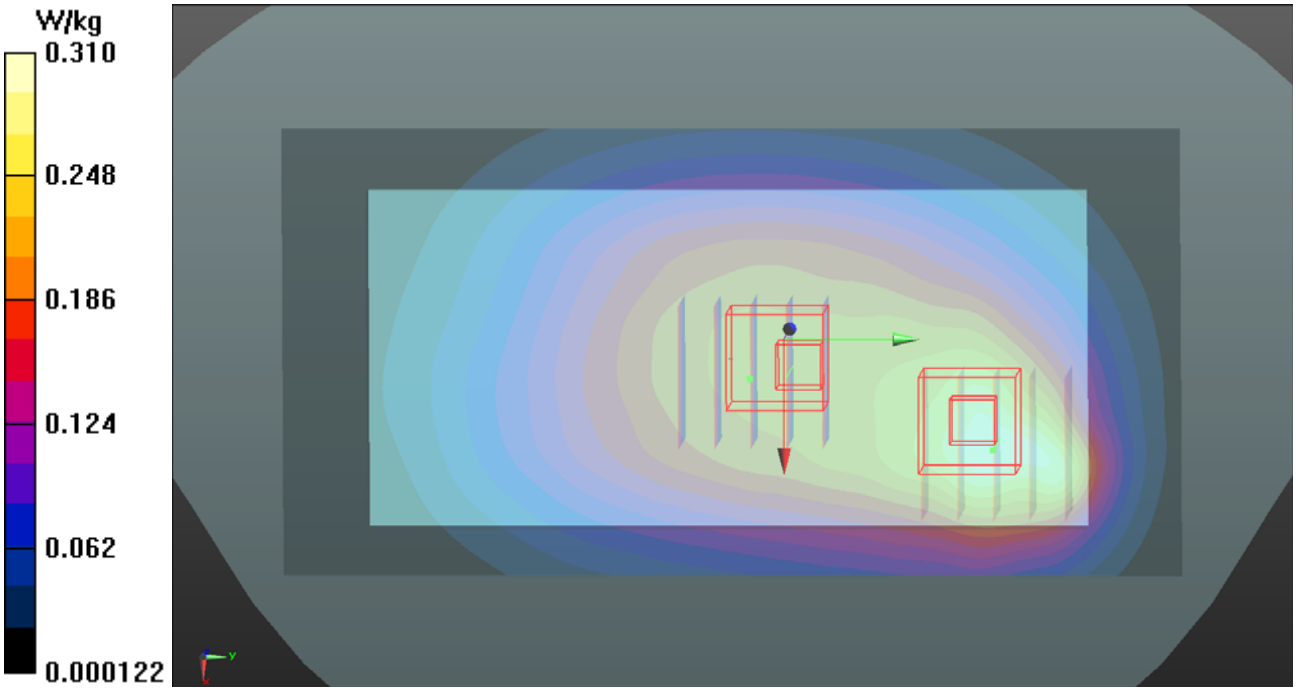
Communication System: LTE; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: B06T09N1_1121 Medium parameters used: f = 711 MHz; σ = 0.921 S/m; ε_r = 53.462; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃ ； Liquid Temperature：23.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3898; ConvF(10.28, 10.28, 10.28); Calibrated: 2018/06/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2018/01/18
- Phantom: Twin SAM Phantom_1496; Type: QD000P40CA;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

- Area Scan (71x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.310 W/kg

- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.61 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 0.319 W/kg
SAR(1 g) = 0.223 W/kg; SAR(10 g) = 0.159 W/kg
Maximum value of SAR (measured) = 0.284 W/kg

- Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.61 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 0.231 W/kg
SAR(1 g) = 0.186 W/kg; SAR(10 g) = 0.148 W/kg
Maximum value of SAR (measured) = 0.217 W/kg



P32 LTE 13_QPSK10M_Rear Face_10mm_Ch23230_1RB_OS0_Sample1_Ant0

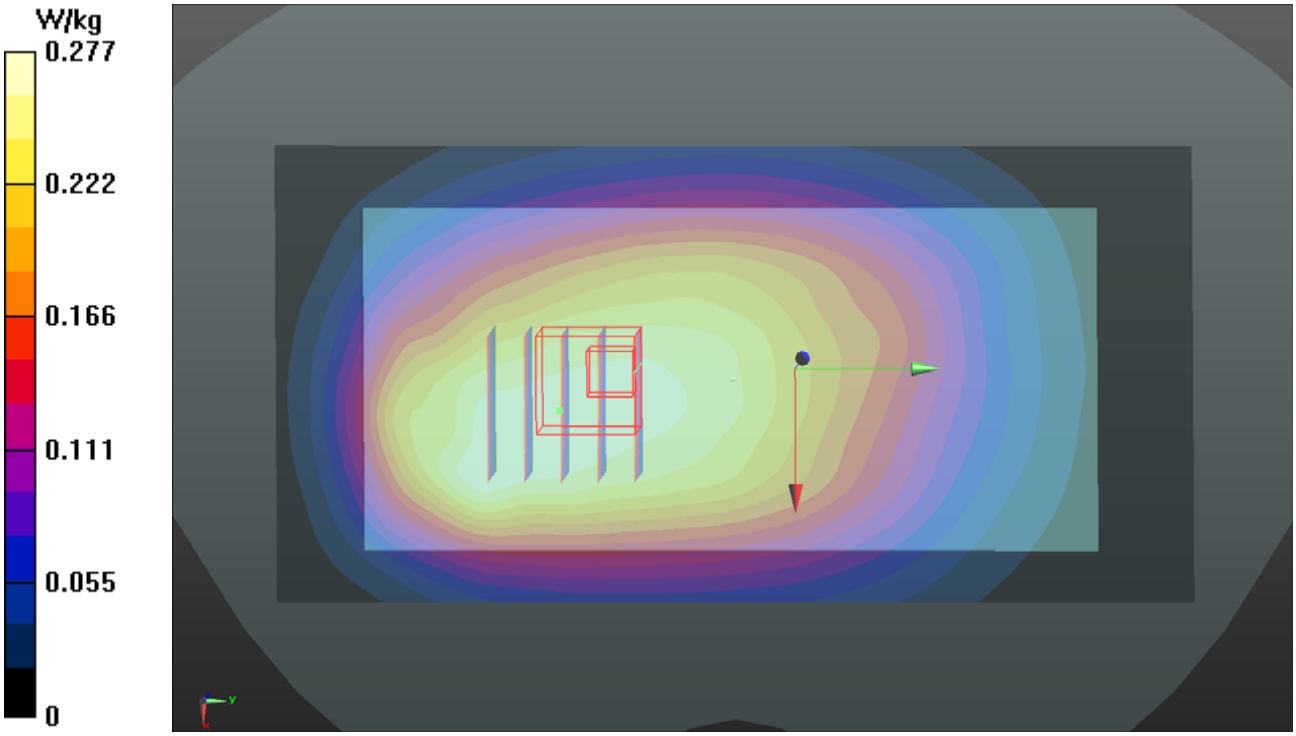
DUT: 181001C08

Communication System: LTE; Frequency: 782 MHz;Duty Cycle: 1:1
Medium: B06T09N1_1121 Medium parameters used: f = 782 MHz; σ = 0.988 S/m; ε_r = 52.718; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃ ； Liquid Temperature：23.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3898; ConvF(10.28, 10.28, 10.28); Calibrated: 2018/06/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2018/01/18
- Phantom: Twin SAM Phantom_1496; Type: QD000P40CA;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

- Area Scan (71x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.277 W/kg

- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.09 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 0.231 W/kg
SAR(1 g) = 0.184 W/kg; SAR(10 g) = 0.141 W/kg
Maximum value of SAR (measured) = 0.217 W/kg



P33 LTE 25_QPSK20M_Rear Face_10mm_Ch26140_1RB_OS50_Smaple1_Ant0

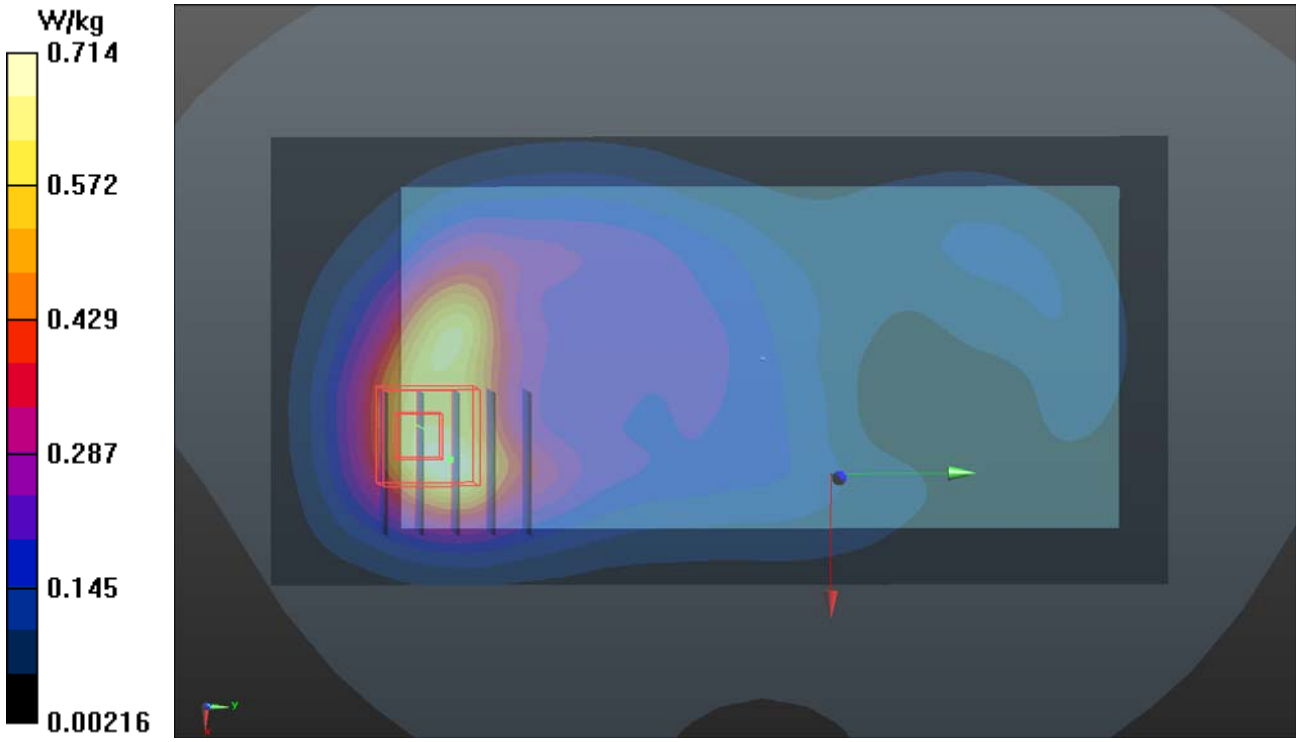
DUT: 181001C08

Communication System: LTE; Frequency: 1860 MHz;Duty Cycle: 1:1
Medium: B16T20N2_1206 Medium parameters used: f = 1860 MHz; σ = 1.554 S/m; ε_r = 51.773; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃ ； Liquid Temperature：23.1 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(7.89, 7.89, 7.89); Calibrated: 2018/07/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2018/08/27
- Phantom: Twin SAM Phantom_1822; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

- Area Scan (71x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.714 W/kg

- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 20.37 V/m; Power Drift = 0.16 dB
Peak SAR (extrapolated) = 1.02 W/kg
SAR(1 g) = 0.584 W/kg; SAR(10 g) = 0.322 W/kg
Maximum value of SAR (measured) = 0.843 W/kg



P34 LTE 26_QPSK15M_Rear Face_10mm_Ch26965_1RB_OS37_Sample1_Ant0

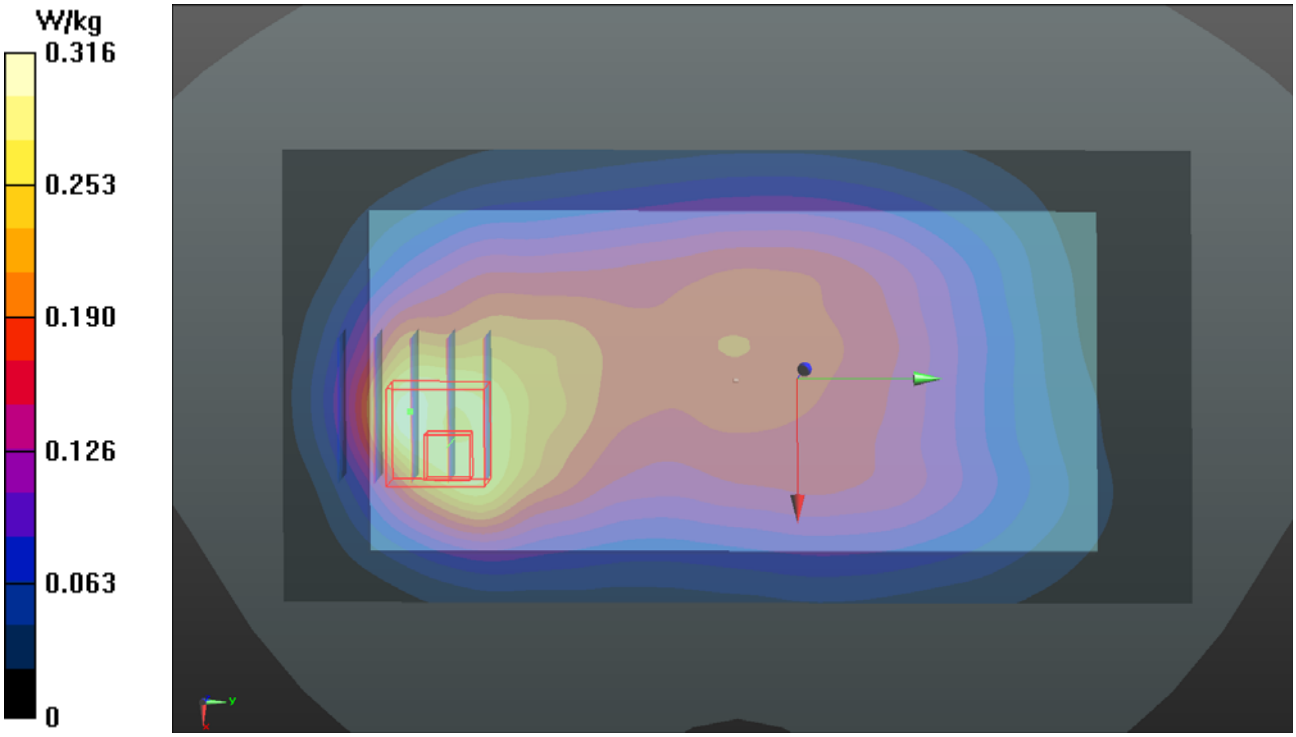
DUT: 181001C08

Communication System: LTE; Frequency: 841.5 MHz;Duty Cycle: 1:1
Medium: B07T10N2_1121 Medium parameters used: f = 841.5 MHz; σ = 0.987 S/m; ε_r = 54.002; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃ ； Liquid Temperature：23.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3898; ConvF(10.25, 10.25, 10.25); Calibrated: 2018/06/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2018/01/18
- Phantom: Twin SAM Phantom_1496; Type: QD000P40CA;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

- Area Scan (71x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.316 W/kg

- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.35 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 0.373 W/kg
SAR(1 g) = 0.221 W/kg; SAR(10 g) = 0.129 W/kg
Maximum value of SAR (measured) = 0.308 W/kg



P35 LTE 38_QPSK20M_Front Face_10mm_Ch38000_1RB_OS0_Sample1_Ant2

DUT: 181001C08

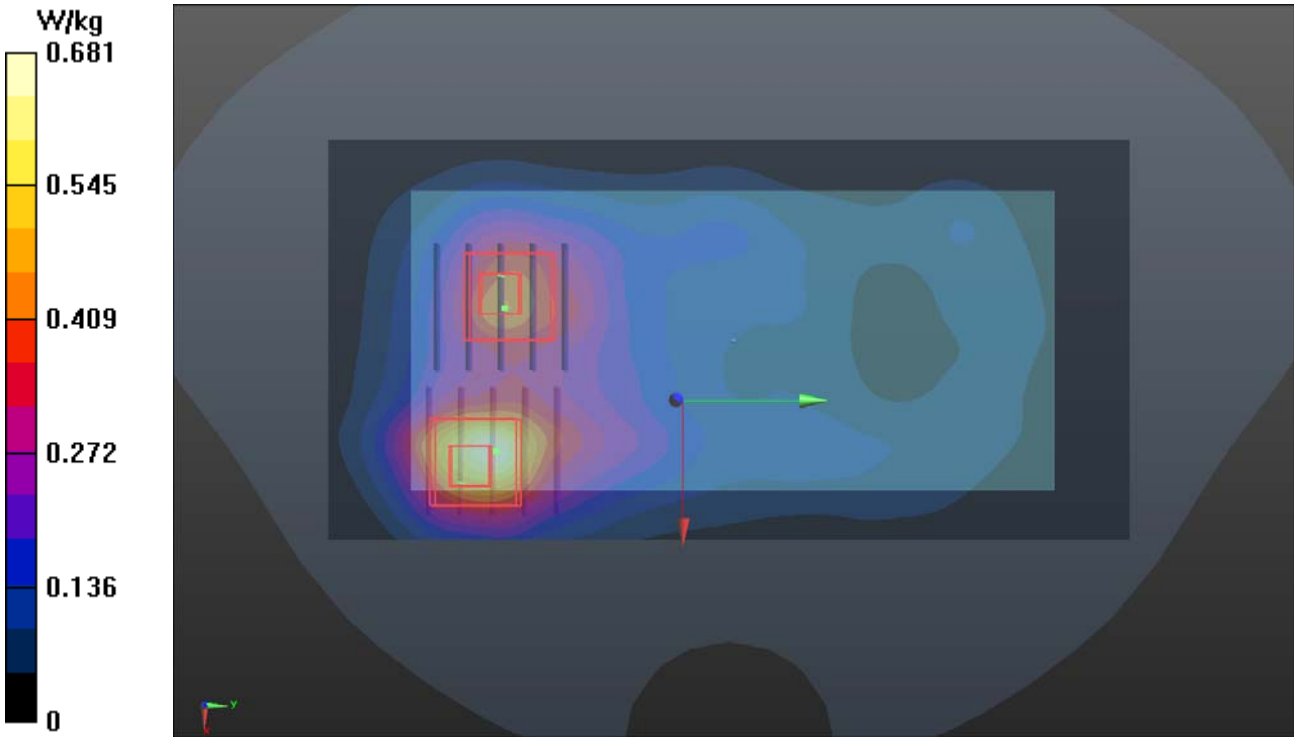
Communication System: LTE TDD CF0; Frequency: 2595 MHz;Duty Cycle: 1:1.58
Medium: B19T27N1_1121 Medium parameters used: f = 2595 MHz; σ = 2.181 S/m; ε_r = 50.182; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃ ； Liquid Temperature：23.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3898; ConvF(7.51, 7.51, 7.51); Calibrated: 2018/06/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2018/01/18
- Phantom: Twin SAM Phantom_1496; Type: QD000P40CA;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

- Area Scan (91x171x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.681 W/kg

- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.04 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 0.897 W/kg
SAR(1 g) = 0.458 W/kg; SAR(10 g) = 0.226 W/kg
Maximum value of SAR (measured) = 0.671 W/kg

- Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.04 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 0.523 W/kg
SAR(1 g) = 0.297 W/kg; SAR(10 g) = 0.171 W/kg
Maximum value of SAR (measured) = 0.422 W/kg



P36 LTE 41_QPSK20M_Front Face_10mm_Ch40185_1RB_OS99_Sample1_Ant2

DUT: 181001C08

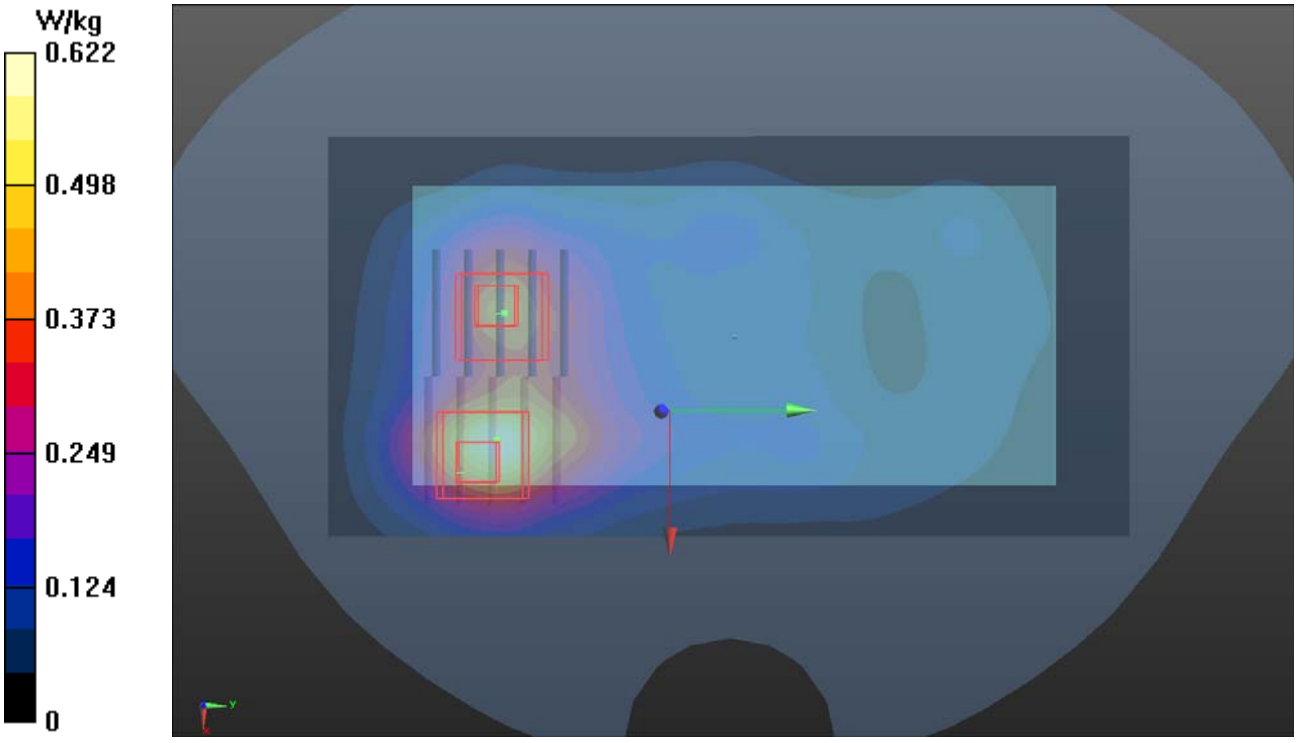
Communication System: LTE TDD CF0; Frequency: 2549.5 MHz;Duty Cycle: 1:1.58
Medium: B19T27N1_1121 Medium parameters used: f = 2550 MHz; σ = 2.126 S/m; ε_r = 50.277; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃ ； Liquid Temperature：23.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3898; ConvF(7.51, 7.51, 7.51); Calibrated: 2018/06/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2018/01/18
- Phantom: Twin SAM Phantom_1496; Type: QD000P40CA;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

- Area Scan (91x171x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.622 W/kg

- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.17 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 0.765 W/kg
SAR(1 g) = 0.389 W/kg; SAR(10 g) = 0.205 W/kg
Maximum value of SAR (measured) = 0.597 W/kg

- Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.17 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 0.479 W/kg
SAR(1 g) = 0.279 W/kg; SAR(10 g) = 0.166 W/kg
Maximum value of SAR (measured) = 0.399 W/kg



Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2018/12/06

P37 LTE 66_QPSK20M_Rear Face_10mm_Ch132072_1RB_O50_Smaple1_Ant0

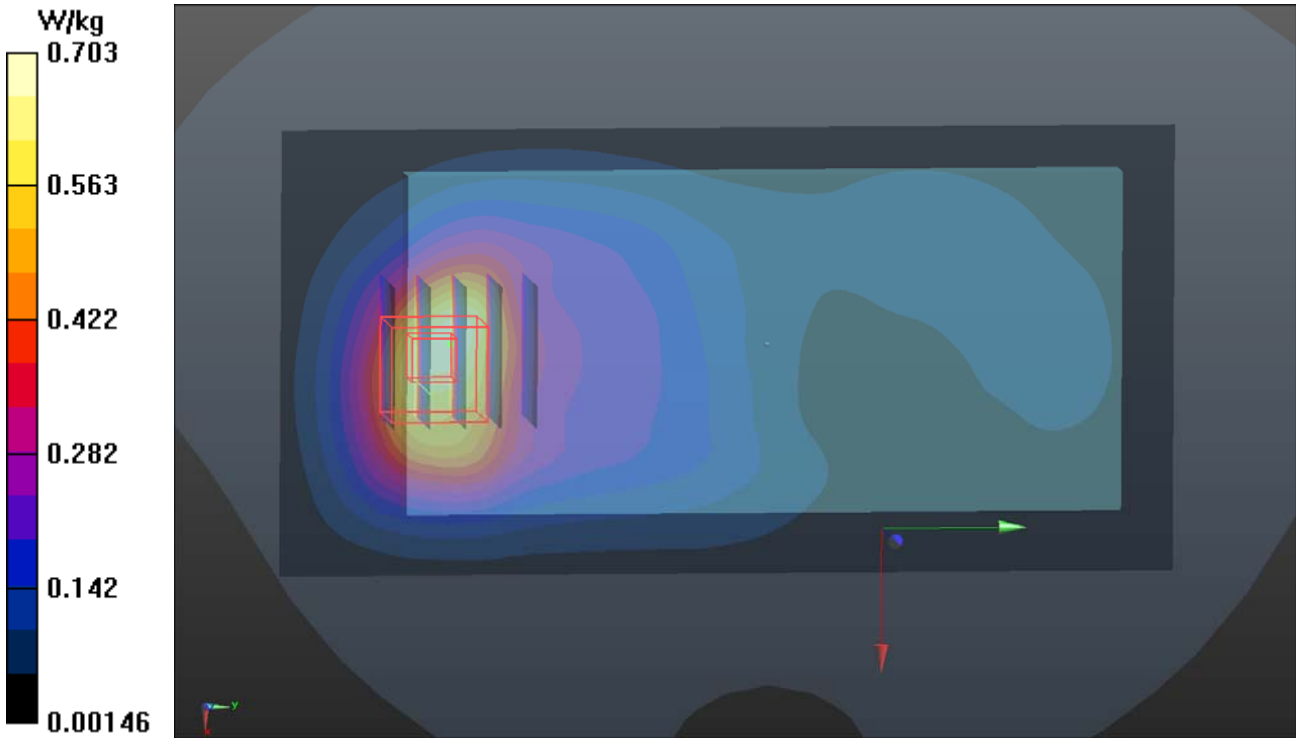
DUT: 181001C08

Communication System: LTE; Frequency: 1720 MHz;Duty Cycle: 1:1
Medium: B16T20N2_1206 Medium parameters used: f = 1720 MHz; σ = 1.436 S/m; ε_r = 52.048; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃ ； Liquid Temperature：23.1 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(8.2, 8.2, 8.2); Calibrated: 2018/07/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2018/08/27
- Phantom: Twin SAM Phantom_1822; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

- Area Scan (71x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.703 W/kg

- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.74 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 1.05 W/kg
SAR(1 g) = 0.464 W/kg; SAR(10 g) = 0.263 W/kg
Maximum value of SAR (measured) = 0.827 W/kg



P38 WLAN2.4G_802.11b_Rear Face_10mm_Ch6_Sample1_Ant0+1

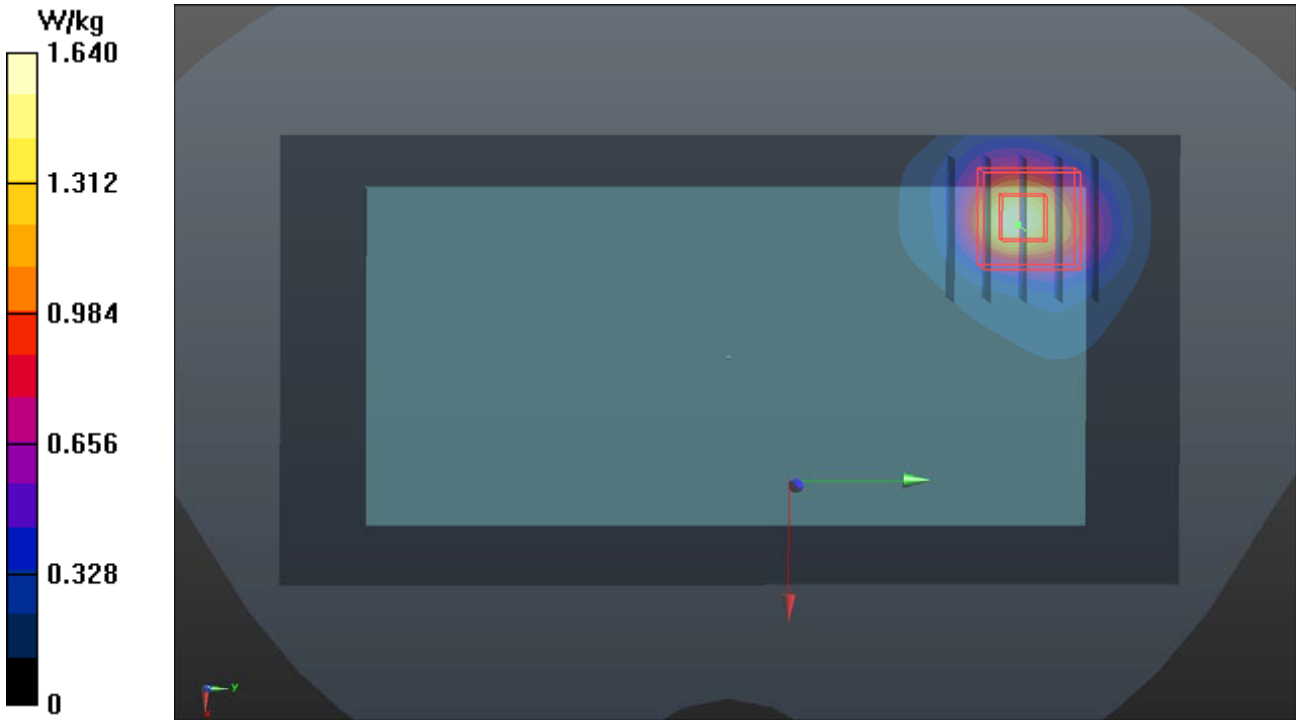
DUT: 181001C08

Communication System: WLAN_2.4G; Frequency: 2437 MHz;Duty Cycle: 1:1.02
Medium: B19T27N1_1118 Medium parameters used: f = 2437 MHz; σ = 2.01 S/m; ε_r = 50.713; ρ = 1000 kg/m^3
Ambient Temperature：23.8 ℃ ； Liquid Temperature：23.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(7.61, 7.61, 7.61); Calibrated: 2018/07/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2018/08/27
- Phantom: Twin SAM Phantom_1822; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

- Area Scan (91x171x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 1.64 W/kg

- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 28.69 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 2.23 W/kg
SAR(1 g) = 0.928 W/kg; SAR(10 g) = 0.472 W/kg
Maximum value of SAR (measured) = 1.75 W/kg



P40 WLAN5.3G_802.11n HT40_Rear Face_10mm_Ch54_Sample1_An1

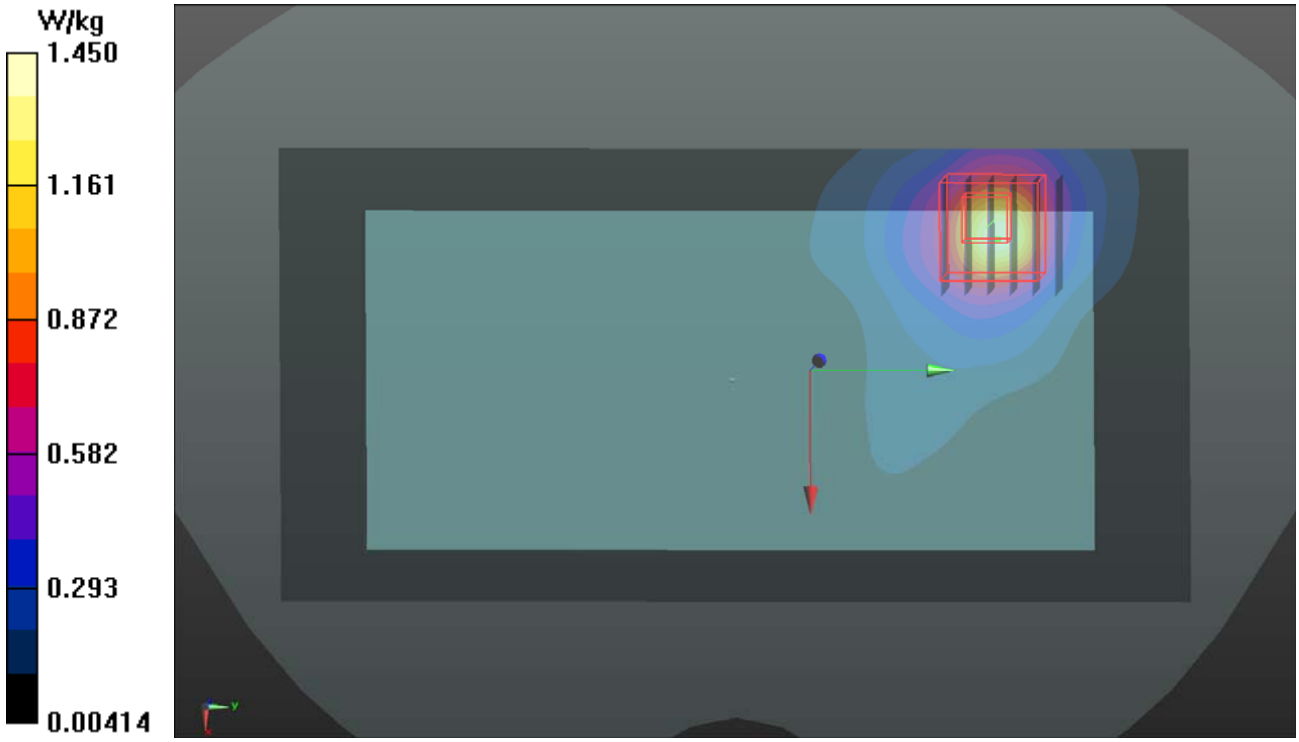
DUT: 181001C08

Communication System: WLAN_5G; Frequency: 5270 MHz;Duty Cycle: 1:1.04
Medium: B34T60N1_1118 Medium parameters used: f = 5270 MHz; σ = 5.336 S/m; ε_r = 46.888; ρ = 1000 kg/m^3
Ambient Temperature：23.8 ℃ ； Liquid Temperature：23.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(4.85, 4.85, 4.85); Calibrated: 2018/07/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2018/08/27
- Phantom: Twin SAM Phantom_1822; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

- Area Scan (101x201x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 1.45 W/kg

- Zoom Scan (6x6x12)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=2mm
Reference Value = 18.72 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 3.08 W/kg
SAR(1 g) = 0.799 W/kg; SAR(10 g) = 0.234 W/kg
Maximum value of SAR (measured) = 1.91 W/kg



P41 WLAN5.6G_802.11ac VHT80_Rear Face_10mm_Ch138_Sample1_An0+1

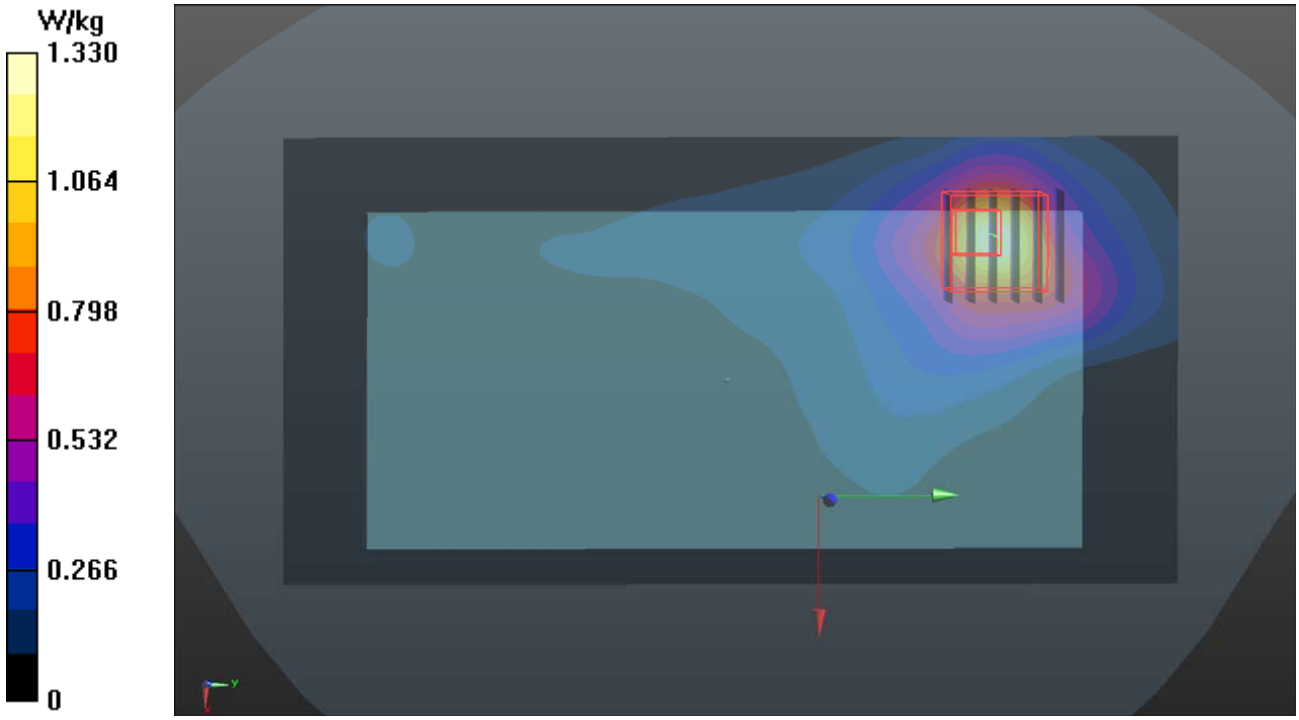
DUT: 181001C08

Communication System: WLAN_5G; Frequency: 5690 MHz;Duty Cycle: 1:1.1
Medium: B34T60N1_1118 Medium parameters used: f = 5690 MHz; σ = 5.882 S/m; ε_r = 46.222; ρ = 1000 kg/m^3
Ambient Temperature：23.8 ℃ ； Liquid Temperature：23.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(4.6, 4.6, 4.6); Calibrated: 2018/07/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2018/08/27
- Phantom: Twin SAM Phantom_1822; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

- Area Scan (101x201x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 1.33 W/kg

- Zoom Scan (6x6x12)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=2mm
Reference Value = 17.03 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 2.52 W/kg
SAR(1 g) = 0.642 W/kg; SAR(10 g) = 0.226 W/kg
Maximum value of SAR (measured) = 1.45 W/kg



P42 WLAN5.8G_802.11ac VHT80_Rear Face_10mm_Ch155_Smaple1_Ant1

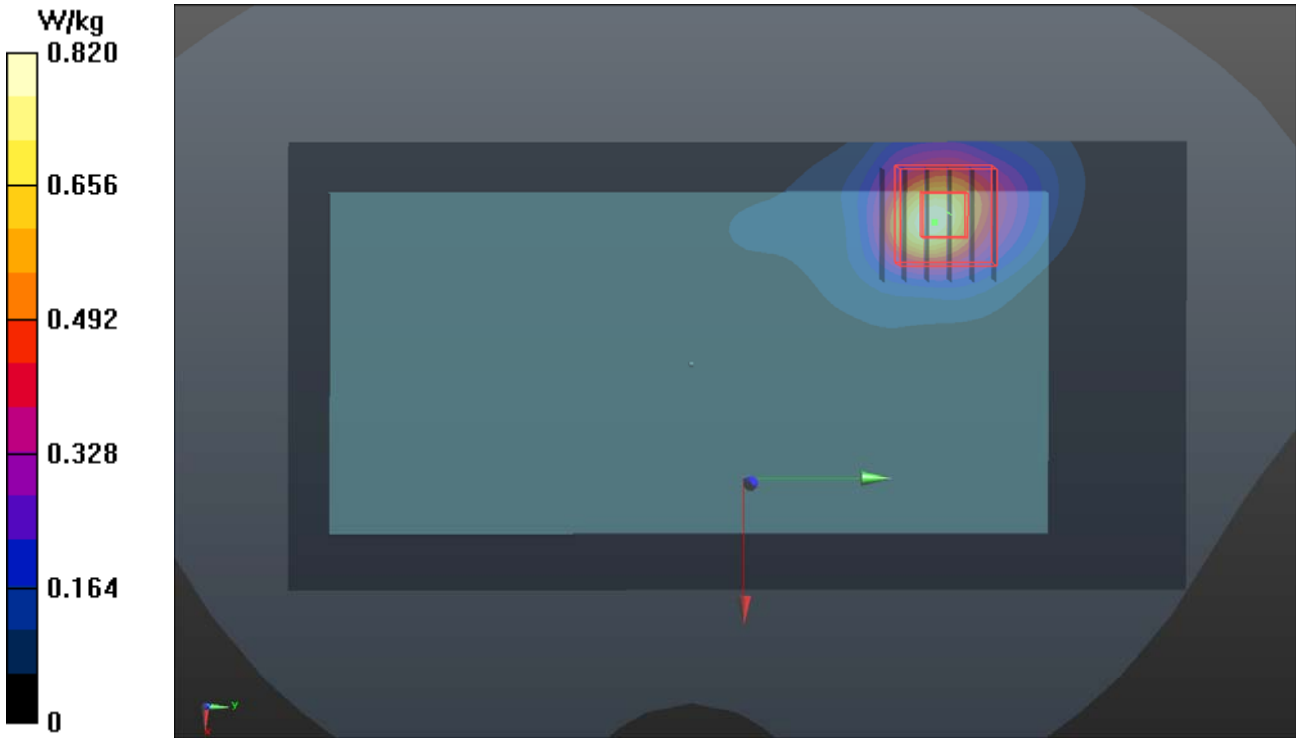
DUT: 181001C08

Communication System: WLAN_5G; Frequency: 5775 MHz;Duty Cycle: 1:1.09
Medium: B34T60N2_1206 Medium parameters used: f = 5775 MHz; σ = 6.231 S/m; ε_r = 46.916; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃ ； Liquid Temperature：23.1 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(4.6, 4.6, 4.6); Calibrated: 2018/07/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2018/08/27
- Phantom: Twin SAM Phantom_1822; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

- Area Scan (101x201x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.820 W/kg

- Zoom Scan (6x6x12)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=2mm
Reference Value = 12.61 V/m; Power Drift = 0.19 dB
Peak SAR (extrapolated) = 2.17 W/kg
SAR(1 g) = 0.268 W/kg; SAR(10 g) = 0.092 W/kg
Maximum value of SAR (measured) = 1.20 W/kg



P43 BT_BDR_Rear Face_10mm_Ch39_Sample1_Ant0

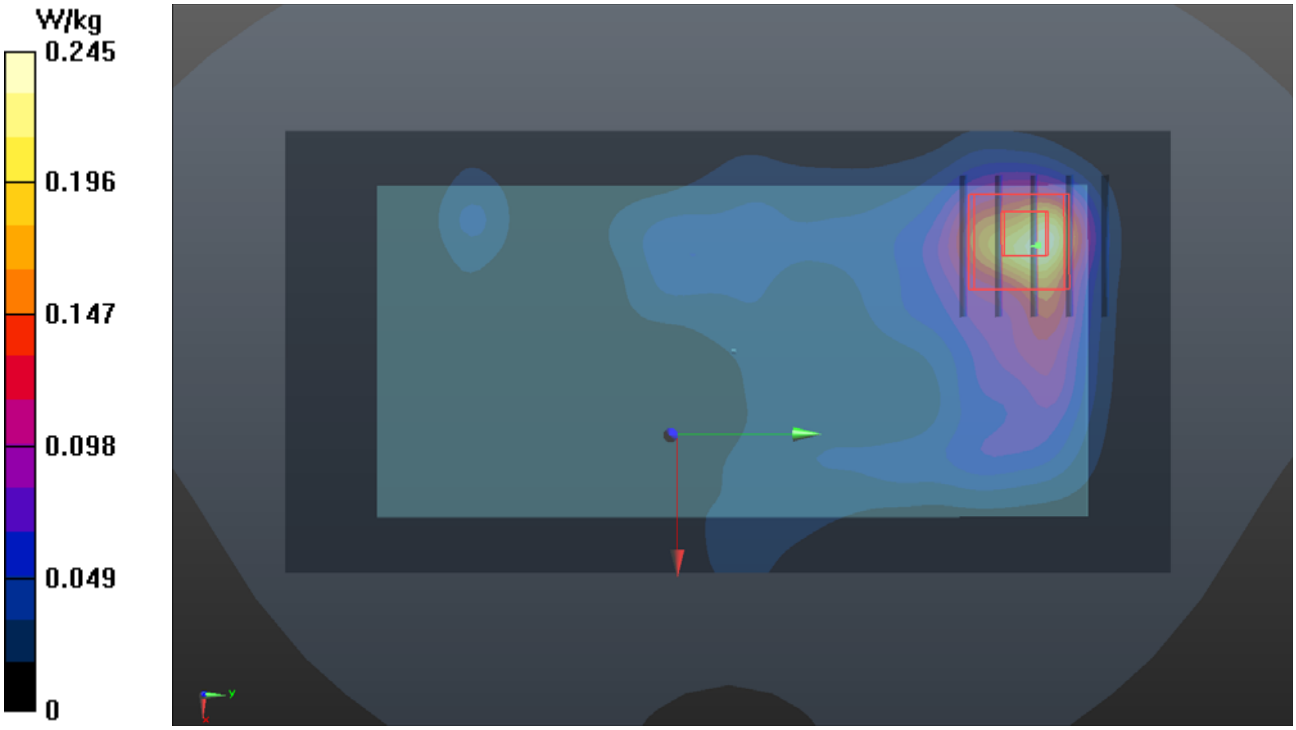
DUT: 181001C08

Communication System: BT ; Frequency: 2441 MHz;Duty Cycle: 1:1.31
Medium: B19T27N1_1129 Medium parameters used: f = 2441 MHz; σ = 1.981 S/m; ε_r = 51.379; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃ ； Liquid Temperature：23.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3898; ConvF(7.61, 7.61, 7.61); Calibrated: 2018/06/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2018/01/18
- Phantom: Twin SAM Phantom_1496; Type: QD000P40CA;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

- Area Scan (91x171x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.245 W/kg

- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.17 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 0.260 W/kg
SAR(1 g) = 0.124 W/kg; SAR(10 g) = 0.056 W/kg
Maximum value of SAR (measured) = 0.190 W/kg



P44 GSM1900_GPRS12_Bottom Side_10mm_Ch661_Sample1_Ant0

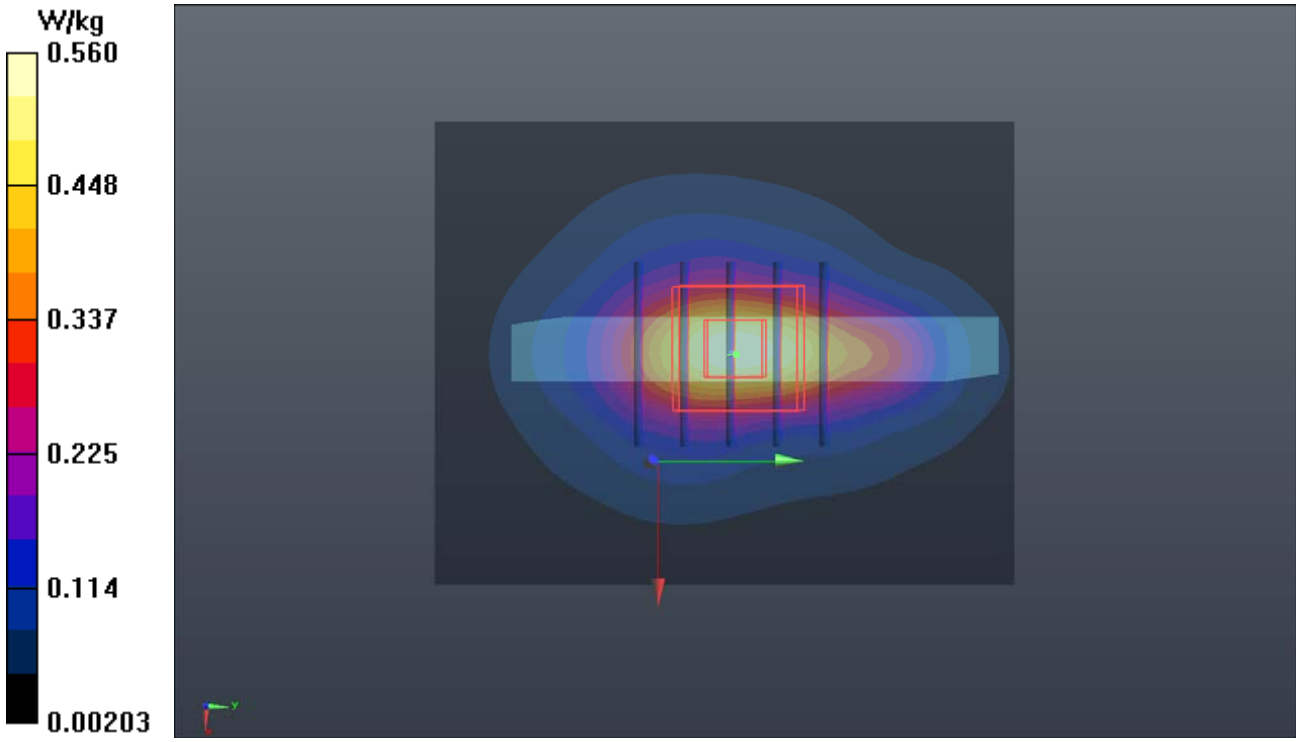
DUT: 181001C08

Communication System: GPRS12; Frequency: 1880 MHz;Duty Cycle: 1:2
Medium: B16T20N1_1121 Medium parameters used: f = 1880 MHz; σ = 1.561 S/m; ε_r = 52.217; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃ ； Liquid Temperature：23.1 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3898; ConvF(7.97, 7.97, 7.97); Calibrated: 2018/06/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2018/01/18
- Phantom: Twin SAM Phantom_1496; Type: QD000P40CA;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

- Area Scan (61x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.560 W/kg

- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.90 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.610 W/kg
SAR(1 g) = 0.366 W/kg; SAR(10 g) = 0.202 W/kg
Maximum value of SAR (measured) = 0.533 W/kg



P45 WCDMA II_RMC12.2K_Bottom Side_10mm_Ch9262_Sample1_Ant0

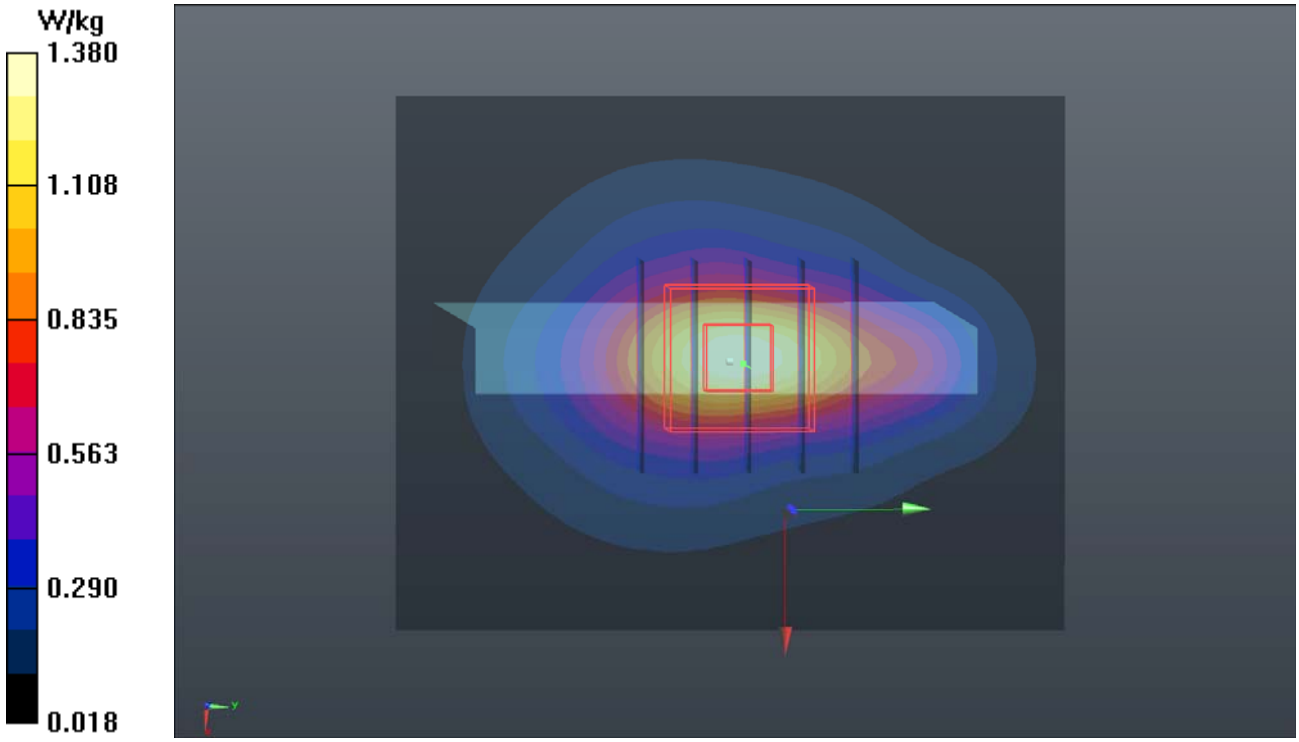
DUT: 181001C08

Communication System: WCDMA; Frequency: 1852.4 MHz;Duty Cycle: 1:1
Medium: B16T20N1_1119 Medium parameters used: f = 1852.4 MHz; σ = 1.536 S/m; ε_r = 50.757; ρ = 1000 kg/m^3
Ambient Temperature：23.8 ℃ ； Liquid Temperature：23.1 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(7.89, 7.89, 7.89); Calibrated: 2018/07/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2018/08/27
- Phantom: Twin SAM Phantom_1822; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

- Area Scan (61x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.38 W/kg

- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 29.24 V/m; Power Drift = -0.17 dB
Peak SAR (extrapolated) = 1.48 W/kg
SAR(1 g) = 0.844 W/kg; SAR(10 g) = 0.471 W/kg
Maximum value of SAR (measured) = 1.23 W/kg



P46 WCDMA IV_RMC12.2K_Bottom Side_10mm_Ch1312_Sample1_Ant0

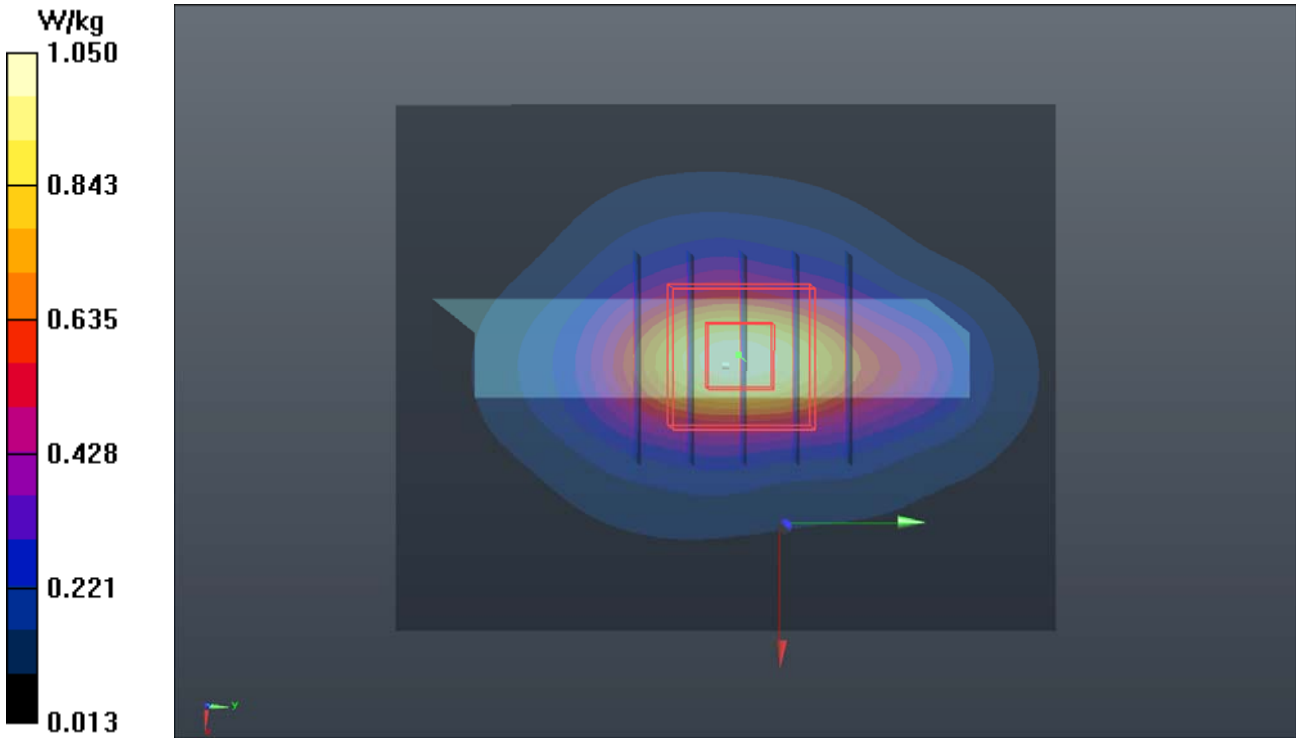
DUT: 181001C08

Communication System: WCDMA; Frequency: 1712.4 MHz;Duty Cycle: 1:1
Medium: B16T20N1_1119 Medium parameters used: f = 1712.4 MHz; σ = 1.419 S/m; ε_r = 51.208; ρ = 1000 kg/m^3
Ambient Temperature：23.8 ℃ ； Liquid Temperature：23.1 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(8.2, 8.2, 8.2); Calibrated: 2018/07/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2018/08/27
- Phantom: Twin SAM Phantom_1822; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

- Area Scan (61x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.05 W/kg

- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 27.18 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 1.23 W/kg
SAR(1 g) = 0.701 W/kg; SAR(10 g) = 0.388 W/kg
Maximum value of SAR (measured) = 1.05 W/kg



P47 CDMA BC1_RTAP153.6_Bottom Side_10mm_Ch25_Sample1_Ant0

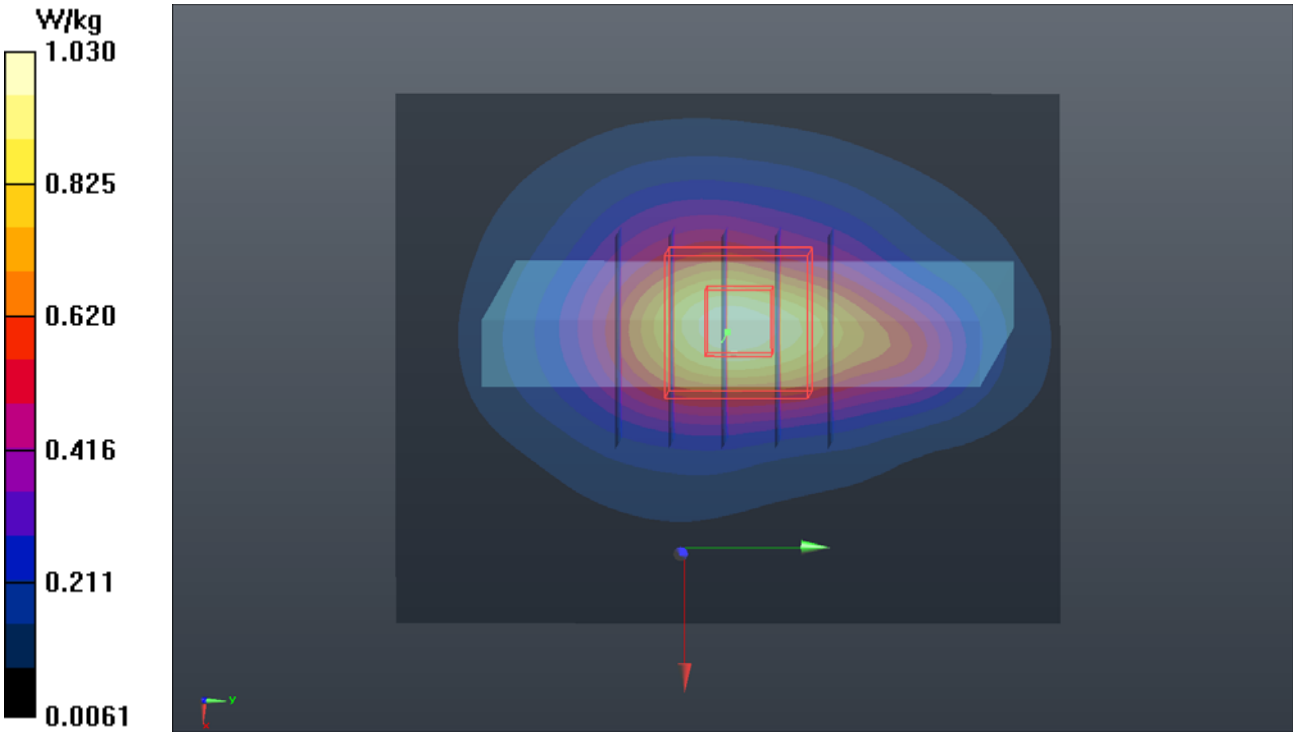
DUT: 181001C08

Communication System: CDMA2000; Frequency: 1851.25 MHz;Duty Cycle: 1:1
Medium: B16T20N1_1119 Medium parameters used: f = 1851.25 MHz; σ = 1.525 S/m; ε_r = 51.314; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃ ； Liquid Temperature：23.1 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3898; ConvF(7.97, 7.97, 7.97); Calibrated: 2018/06/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2018/01/18
- Phantom: Twin SAM Phantom_1496; Type: QD000P40CA;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

- Area Scan (61x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.03 W/kg

- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 24.21 V/m; Power Drift = 0.15 dB
Peak SAR (extrapolated) = 1.19 W/kg
SAR(1 g) = 0.726 W/kg; SAR(10 g) = 0.413 W/kg
Maximum value of SAR (measured) = 1.01 W/kg



P48 LTE 25_QPSK20M_Bottom Side_10mm_Ch26140_1RB_OS50_Sample1_Ant0

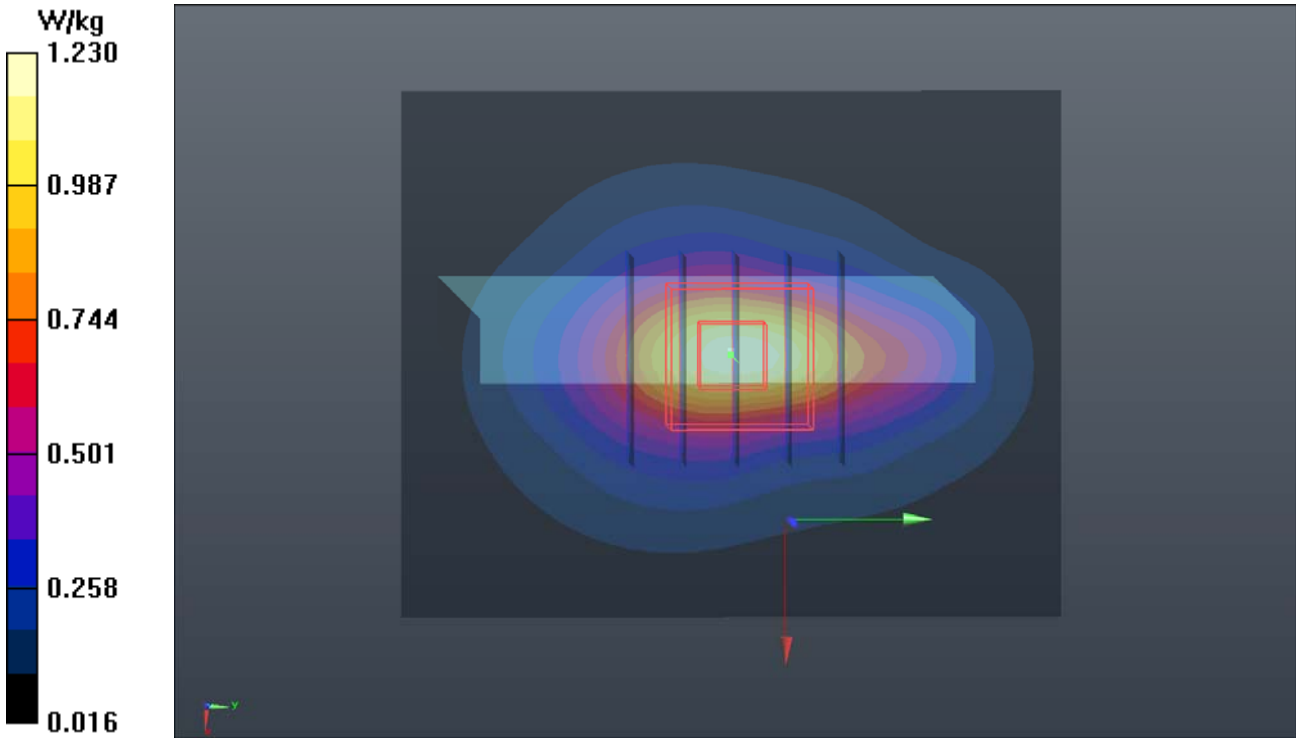
DUT: 181001C08

Communication System: LTE; Frequency: 1860 MHz;Duty Cycle: 1:1
Medium: B16T20N1_1119 Medium parameters used: f = 1860 MHz; σ = 1.542 S/m; ε_r = 50.764; ρ = 1000 kg/m^3
Ambient Temperature：23.8 ℃ ； Liquid Temperature：23.1 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(7.89, 7.89, 7.89); Calibrated: 2018/07/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2018/08/27
- Phantom: Twin SAM Phantom_1822; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

- Area Scan (61x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.23 W/kg

- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 27.50 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 1.35 W/kg
SAR(1 g) = 0.771 W/kg; SAR(10 g) = 0.428 W/kg
Maximum value of SAR (measured) = 1.15 W/kg



P49 LTE 66_QPSK20M_Bottom Side_10mm_Ch132072_1RB_OS50_Sample1_Ant0

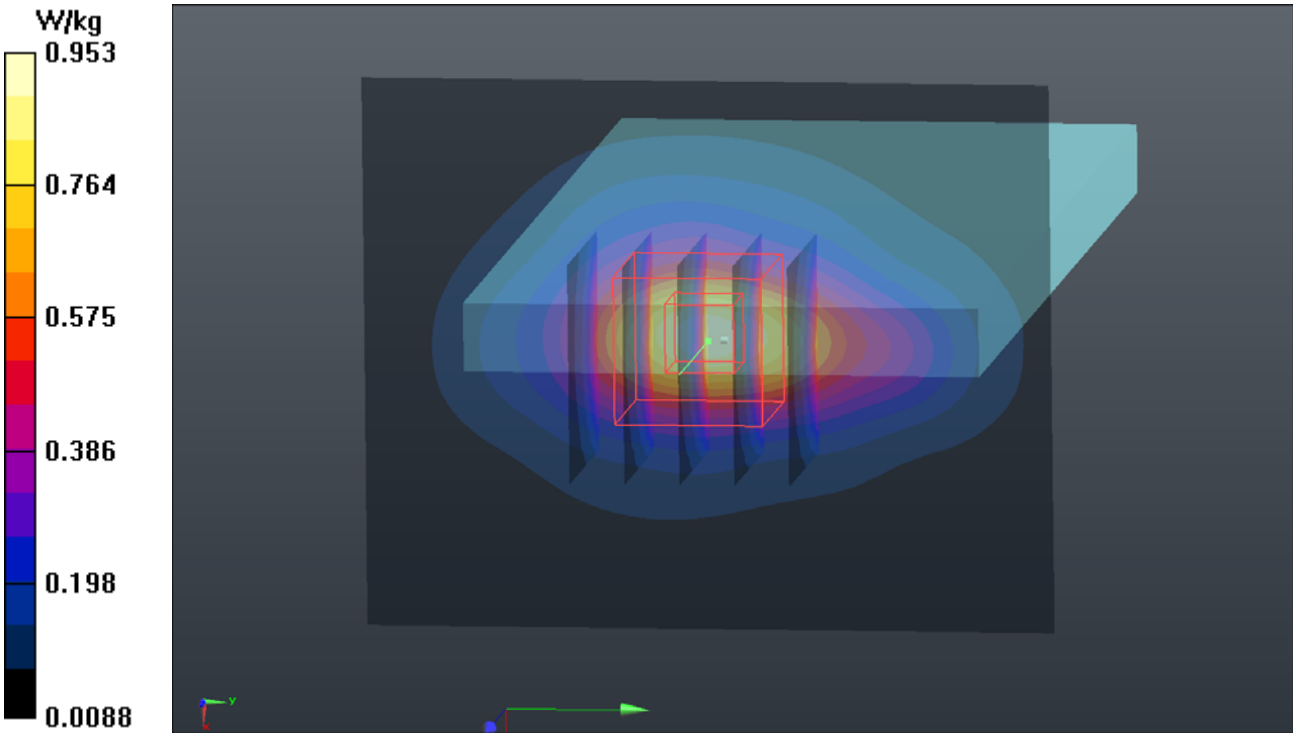
DUT: 181001C08

Communication System: LTE; Frequency: 1720 MHz;Duty Cycle: 1:1
Medium: B16T20N1_1119 Medium parameters used: f = 1720 MHz; σ = 1.402 S/m; ε_r = 51.749; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃ ； Liquid Temperature：23.1 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3898; ConvF(8.28, 8.28, 8.28); Calibrated: 2018/06/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2018/01/18
- Phantom: Twin SAM Phantom_1496; Type: QD000P40CA;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

- Area Scan (61x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.953 W/kg

- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 24.54 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 1.05 W/kg
SAR(1 g) = 0.642 W/kg; SAR(10 g) = 0.364 W/kg
Maximum value of SAR (measured) = 0.906 W/kg



P39 WLAN5.2G_802.11n HT40_Rear Face_10mm_Ch46_Sample1_An1

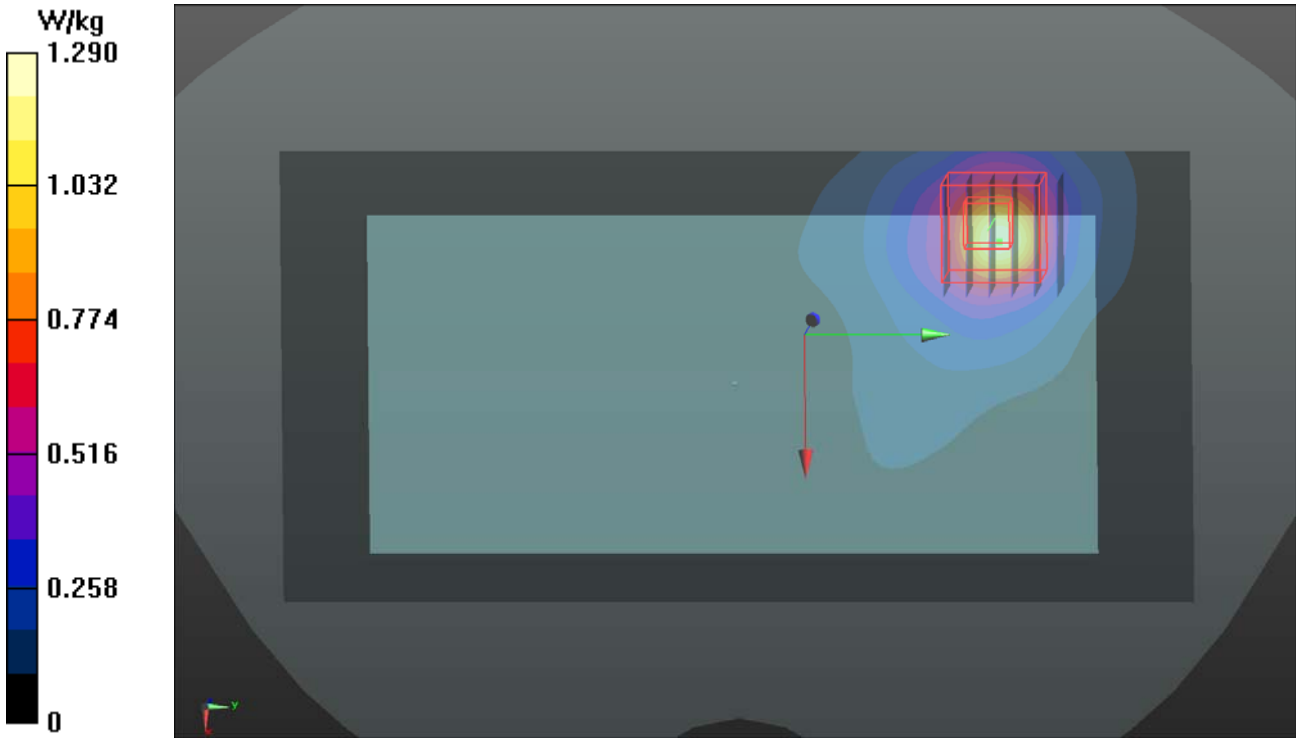
DUT: 181001C08

Communication System: WLAN_5G; Frequency: 5230 MHz;Duty Cycle: 1:1.04
Medium: B34T60N1_1118 Medium parameters used: f = 5230 MHz; σ = 5.303 S/m; ε_r = 46.941; ρ = 1000 kg/m^3
Ambient Temperature：23.8 ℃ ； Liquid Temperature：23.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(4.85, 4.85, 4.85); Calibrated: 2018/07/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2018/08/27
- Phantom: Twin SAM Phantom_1822; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

- Area Scan (101x201x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 1.29 W/kg

- Zoom Scan (6x6x12)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=2mm
Reference Value = 17.90 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 2.77 W/kg
SAR(1 g) = 0.778 W/kg; SAR(10 g) = 0.256 W/kg
Maximum value of SAR (measured) = 1.73 W/kg



P50 WLAN5.8G_802.11ac VHT80_Right Side_10mm_Ch155_Sample1_An0+1

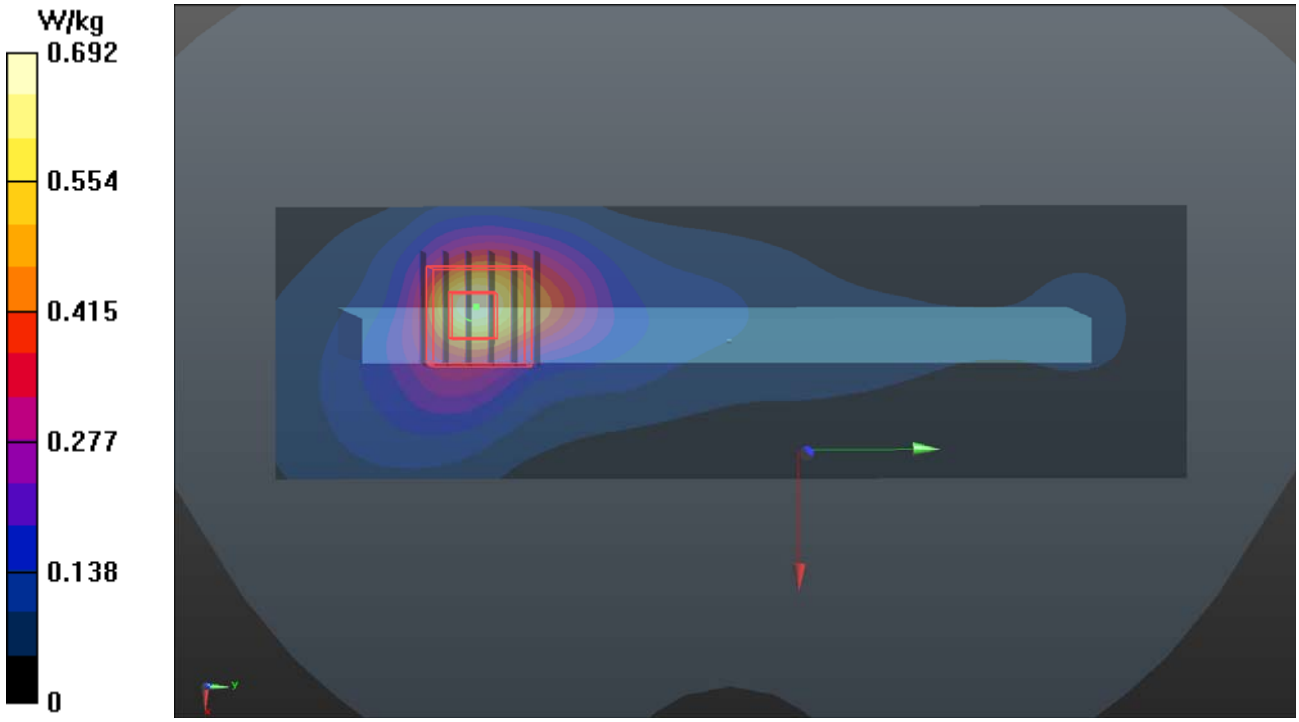
DUT: 181001C08

Communication System: WLAN_5G; Frequency: 5775 MHz;Duty Cycle: 1:1.1
Medium: B34T60N1_1118 Medium parameters used: f = 5775 MHz; σ = 6.002 S/m; ε_r = 46.063; ρ = 1000 kg/m^3
Ambient Temperature：23.8 ℃ ； Liquid Temperature：23.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(4.6, 4.6, 4.6); Calibrated: 2018/07/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2018/08/27
- Phantom: Twin SAM Phantom_1822; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

- Area Scan (61x201x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.692 W/kg

- Zoom Scan (6x6x12)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=2mm
Reference Value = 11.93 V/m; Power Drift = -0.18 dB
Peak SAR (extrapolated) = 1.31 W/kg
SAR(1 g) = 0.326 W/kg; SAR(10 g) = 0.123 W/kg
Maximum value of SAR (measured) = 0.743 W/kg



P51 WLAN5.3G_802.11n HT40_Rear Face_0mm_Ch54_Sample1_Ant0+1

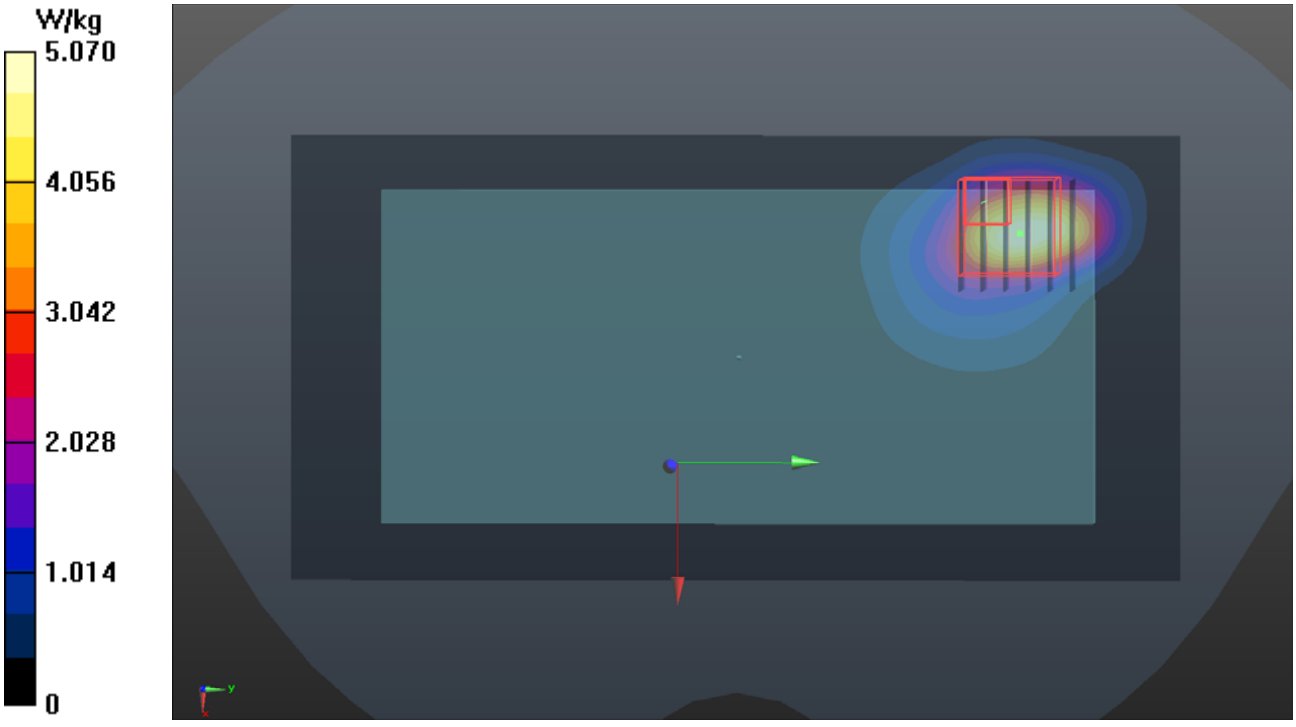
DUT: 181001C08

Communication System: WLAN_5G; Frequency: 5270 MHz;Duty Cycle: 1:1.04
Medium: B34T60N1_1129 Medium parameters used: f = 5270 MHz; σ = 5.498 S/m; ε_r = 47.625; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃ ； Liquid Temperature：23.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3898; ConvF(4.95, 4.95, 4.95); Calibrated: 2018/06/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2018/01/18
- Phantom: Twin SAM Phantom_1496; Type: QD000P40CA;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

- Area Scan (101x201x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 5.07 W/kg

- Zoom Scan (6x6x12)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=2mm
Reference Value = 32.97 V/m; Power Drift = 0.17 dB
Peak SAR (extrapolated) = 34.7 W/kg
SAR(1 g) = 6.04 W/kg; SAR(10 g) = 1.58 W/kg
Maximum value of SAR (measured) = 21.2 W/kg



P52 WLAN5.6G_802.11ac VHT80_Rear Face_0mm_Ch100_Sample1_An0+1

DUT: 181001C08

Communication System: WLAN_5G; Frequency: 5690 MHz;Duty Cycle: 1:1
Medium: B34T60N1_1118 Medium parameters used: f = 5690 MHz; σ = 5.882 S/m; ε_r = 46.222; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃ ； Liquid Temperature：23.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(4.6, 4.6, 4.6); Calibrated: 2018/07/27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2018/08/27
- Phantom: Twin SAM Phantom_1822; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

- Area Scan (101x201x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 8.30 W/kg

- Zoom Scan (6x6x12)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=2mm
Reference Value = 39.55 V/m; Power Drift = -0.17 dB
Peak SAR (extrapolated) = 44.8 W/kg
SAR(1 g) = 7.14 W/kg; SAR(10 g) = 1.7 W/kg
Maximum value of SAR (measured) = 22.0 W/kg