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: 2018/11/24

P01 GSM850_GPRS12_Right Cheek_Ch189_Sample1_Ant1

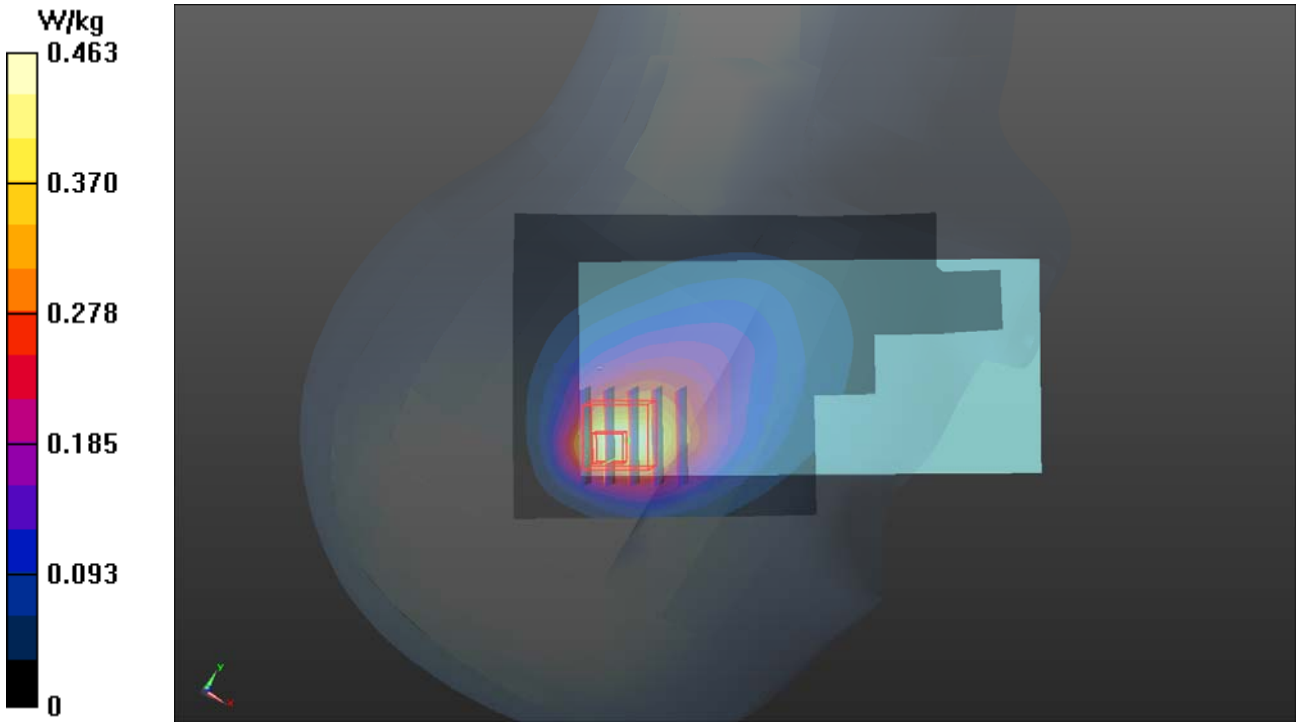
DUT: 181001C14

Communication System: GPRS12; Frequency: 836.4 MHz;Duty Cycle: 1:2
Medium: H07T10N1_1124 Medium parameters used: f = 836.4 MHz; σ = 0.909 S/m; ε_r = 40.927; ρ = 1000 kg/m^3
Ambient Temperature：23.8 ℃ ； Liquid Temperature：23.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3971; ConvF(10.34, 10.34, 10.34); Calibrated: 2018/03/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1431; Calibrated: 2018/03/16
- Phantom: Twin SAM Phantom_1823; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

- Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.463 W/kg

- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 22.65 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 1.47 W/kg
SAR(1 g) = 0.389 W/kg; SAR(10 g) = 0.202 W/kg
Maximum value of SAR (measured) = 0.658 W/kg



P02 GSM1900_GPRS12_Right Cheek_Ch810_Sample1_Ant1

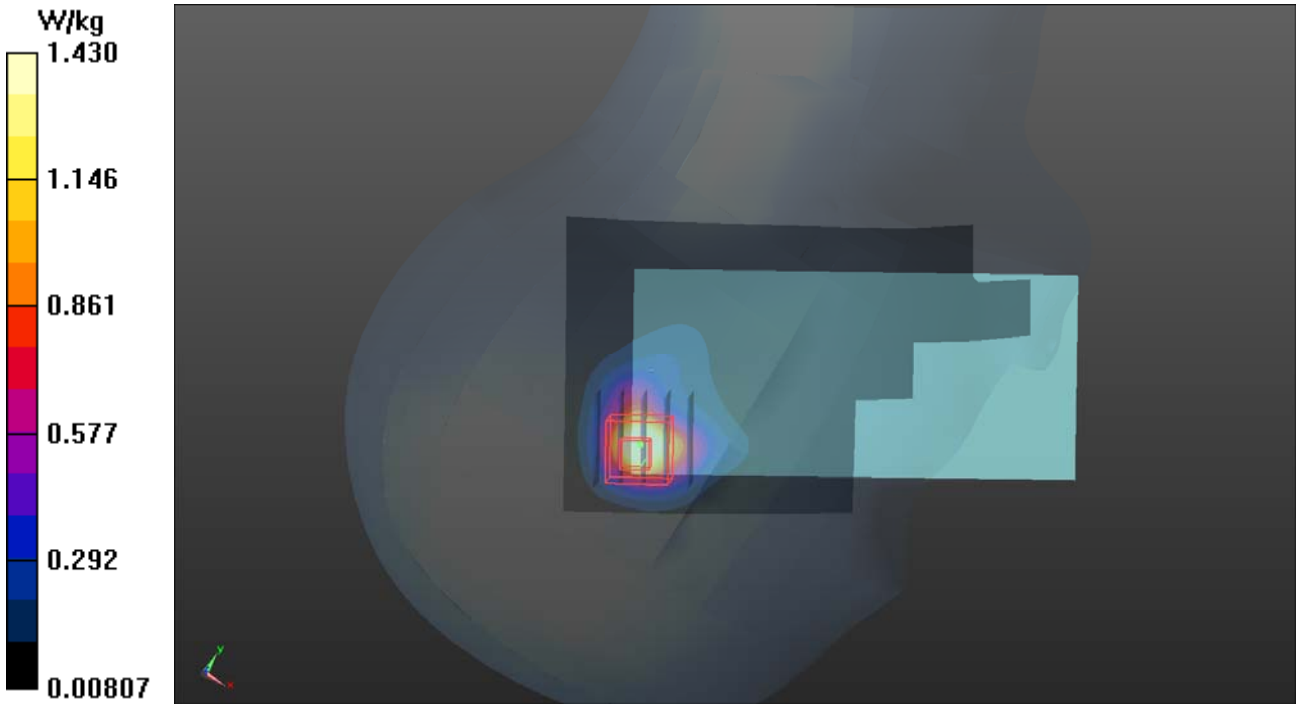
DUT: 181001C14

Communication System: GPRS12; Frequency: 1909.8 MHz;Duty Cycle: 1:2
Medium: H16T20N1_1123 Medium parameters used: f = 1910 MHz; σ = 1.468 S/m; ε_r = 38.498; ρ = 1000 kg/m^3
Ambient Temperature：23.8 ℃ ； Liquid Temperature：23.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3971; ConvF(8.52, 8.52, 8.52); Calibrated: 2018/03/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1431; Calibrated: 2018/03/16
- Phantom: Twin SAM Phantom_1823; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

- Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.79 W/kg

- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 27.91 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 2.00 W/kg
SAR(1 g) = 0.881 W/kg; SAR(10 g) = 0.393 W/kg
Maximum value of SAR (measured) = 1.43 W/kg



P03 WCDMA II_RMC12.2K_Right Cheek_Ch9538_Sample1_Ant1

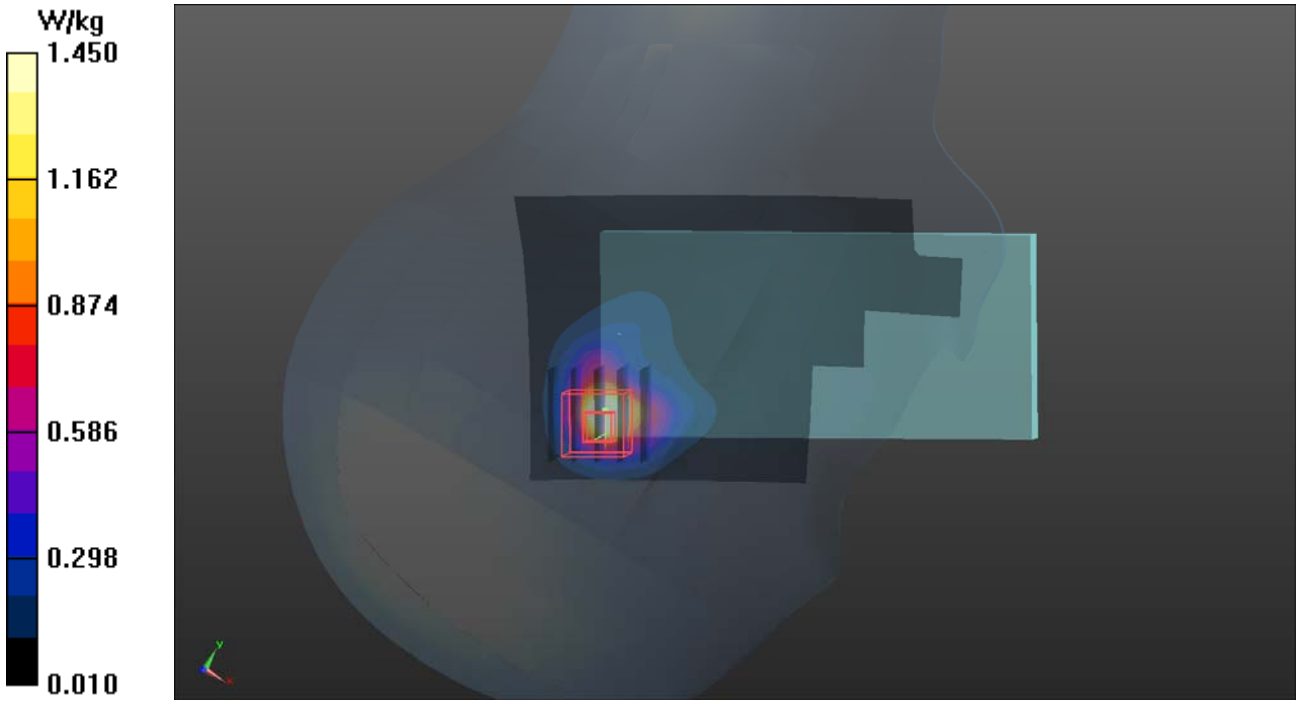
DUT: 181001C14

Communication System: WCDMA; Frequency: 1907.6 MHz;Duty Cycle: 1:1
Medium: H16T20N1_1123 Medium parameters used: f = 1908 MHz; σ = 1.466 S/m; ε_r = 38.505; ρ = 1000 kg/m^3
Ambient Temperature：23.8 ℃ ； Liquid Temperature：23.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3971; ConvF(8.52, 8.52, 8.52); Calibrated: 2018/03/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1431; Calibrated: 2018/03/16
- Phantom: Twin SAM Phantom_1823; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

- Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.72 W/kg

- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 29.59 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 1.89 W/kg
SAR(1 g) = 0.829 W/kg; SAR(10 g) = 0.379 W/kg
Maximum value of SAR (measured) = 1.45 W/kg



P04 WCDMA IV_RMC12.2K_Right Cheek_Ch1413_Sample1_Ant1

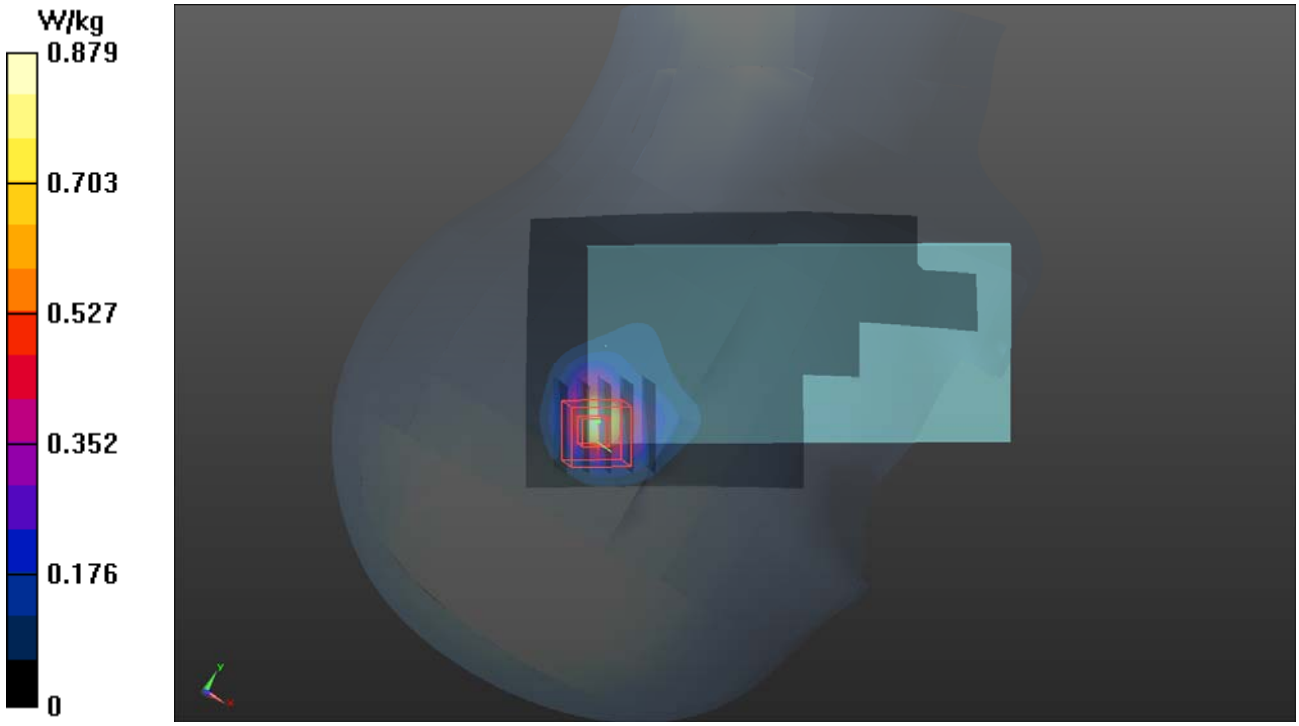
DUT: 181001C14

Communication System: WCDMA; Frequency: 1732.6 MHz;Duty Cycle: 1:1
Medium: H16T20N1_1124 Medium parameters used: f = 1733 MHz; σ = 1.307 S/m; ε_r = 39.001; ρ = 1000 kg/m^3
Ambient Temperature：23.8 ℃ ； Liquid Temperature：23.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3971; ConvF(8.9, 8.9, 8.9); Calibrated: 2018/03/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1431; Calibrated: 2018/03/16
- Phantom: Twin SAM Phantom_1823; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

- Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.879 W/kg

- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.12 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 0.947 W/kg
SAR(1 g) = 0.432 W/kg; SAR(10 g) = 0.196 W/kg
Maximum value of SAR (measured) = 0.713 W/kg



P05 WCDMA V_RMC12.2K_Right Cheek_Ch4233_Sample1_Ant1

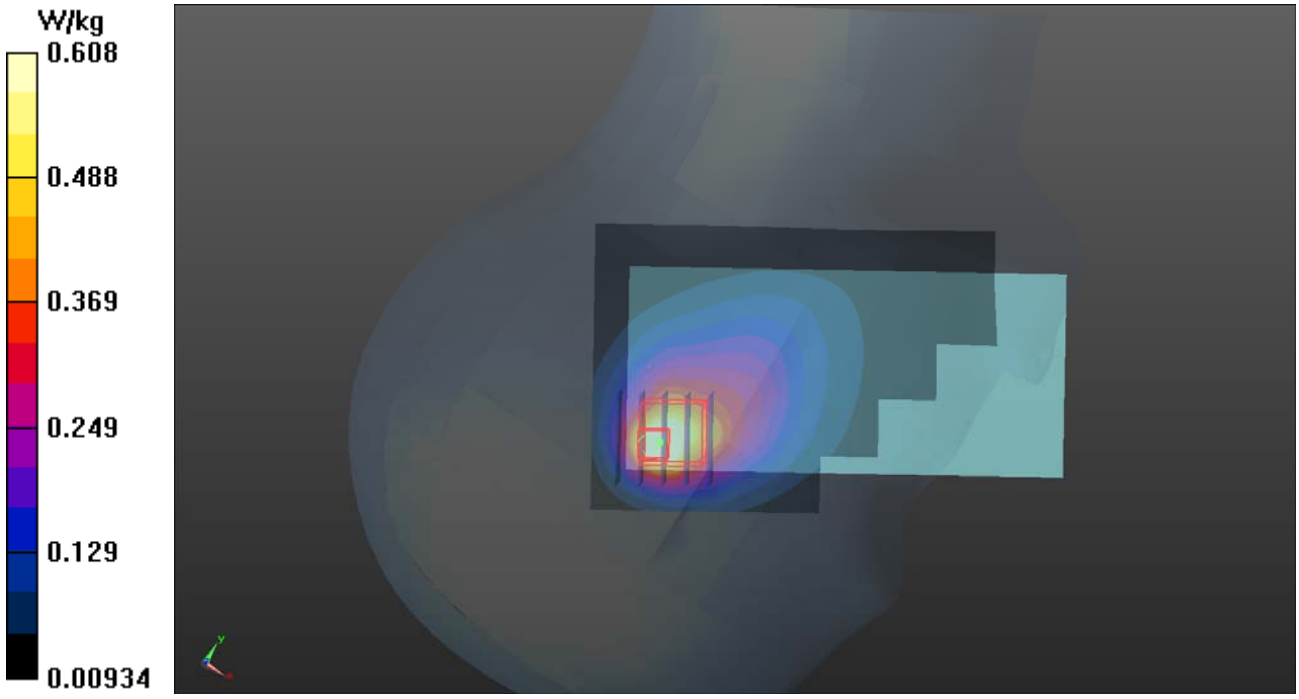
DUT: 181001C14

Communication System: WCDMA; Frequency: 846.6 MHz;Duty Cycle: 1:1
Medium: H07T10N1_1123 Medium parameters used: f = 847 MHz; σ = 0.932 S/m; ε_r = 42.167; 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 (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.799 W/kg

- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 26.34 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.837 W/kg
SAR(1 g) = 0.372 W/kg; SAR(10 g) = 0.173 W/kg
Maximum value of SAR (measured) = 0.608 W/kg



P06 CDMA BC0_RC3+SO55_Right Cheek_Ch1013_Sample1_Ant1

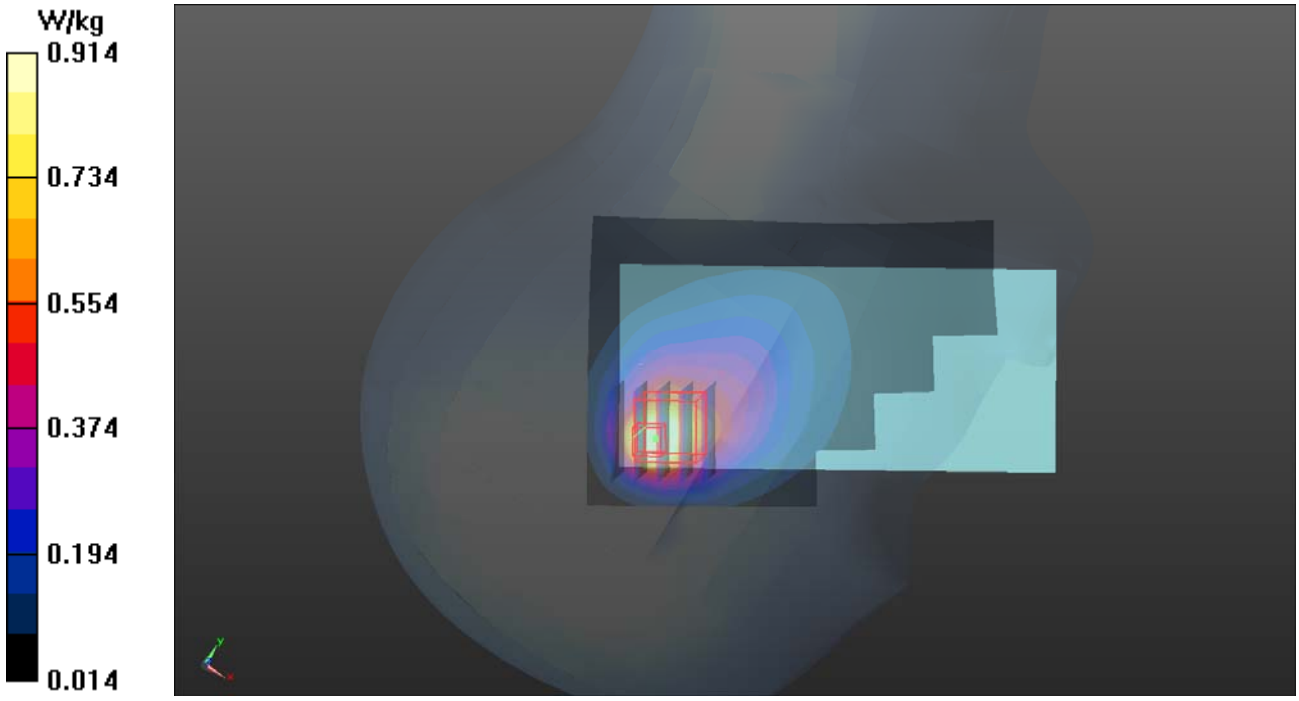
DUT: 181001C14

Communication System: CDMA2000; Frequency: 824.7 MHz;Duty Cycle: 1:1
Medium: H07T10N1_1123 Medium parameters used: f = 825 MHz; σ = 0.911 S/m; ε_r = 42.458; 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 (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.24 W/kg

- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 33.11 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 1.27 W/kg
SAR(1 g) = 0.591 W/kg; SAR(10 g) = 0.267 W/kg
Maximum value of SAR (measured) = 0.914 W/kg



P07 CDMA BC1_RC3+SO55_Right Cheek_Ch25_Sample1_Ant1

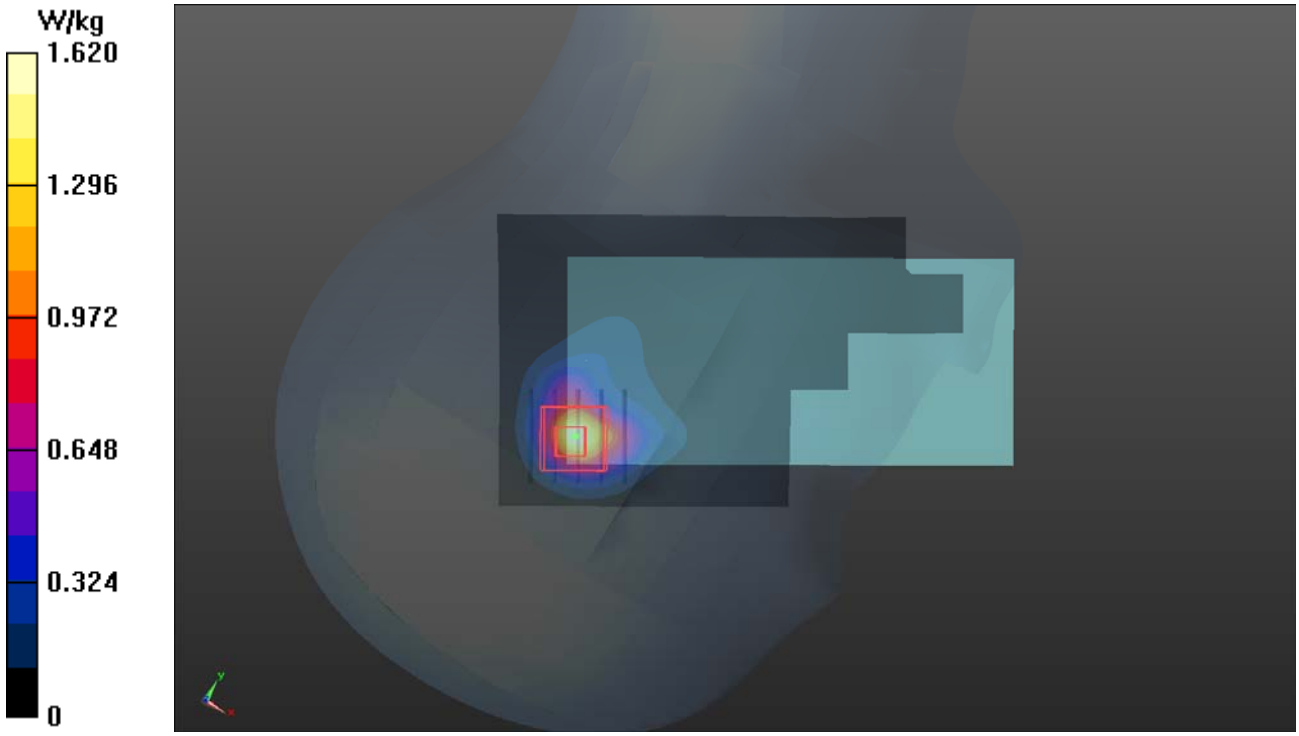
DUT: 181001C14

Communication System: CDMA2000 RC3; Frequency: 1851.25 MHz;Duty Cycle: 1:1
Medium: H16T20N1_1123 Medium parameters used : f = 1851.25 MHz; σ = 1.416 S/m; ε_r = 38.688; ρ = 1000 kg/m^3
Ambient Temperature：23.8 ℃ ； Liquid Temperature：23.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3971; ConvF(8.52, 8.52, 8.52); Calibrated: 2018/03/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1431; Calibrated: 2018/03/16
- Phantom: Twin SAM Phantom_1823; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

- Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.62 W/kg

- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 25.19 V/m; Power Drift = -0.17 dB
Peak SAR (extrapolated) = 1.69 W/kg
SAR(1 g) = 0.797 W/kg; SAR(10 g) = 0.355 W/kg
Maximum value of SAR (measured) = 1.30 W/kg



P08 CDMA BC10_RC3+SO55_Right Cheek_Ch684_Sample1_Ant1

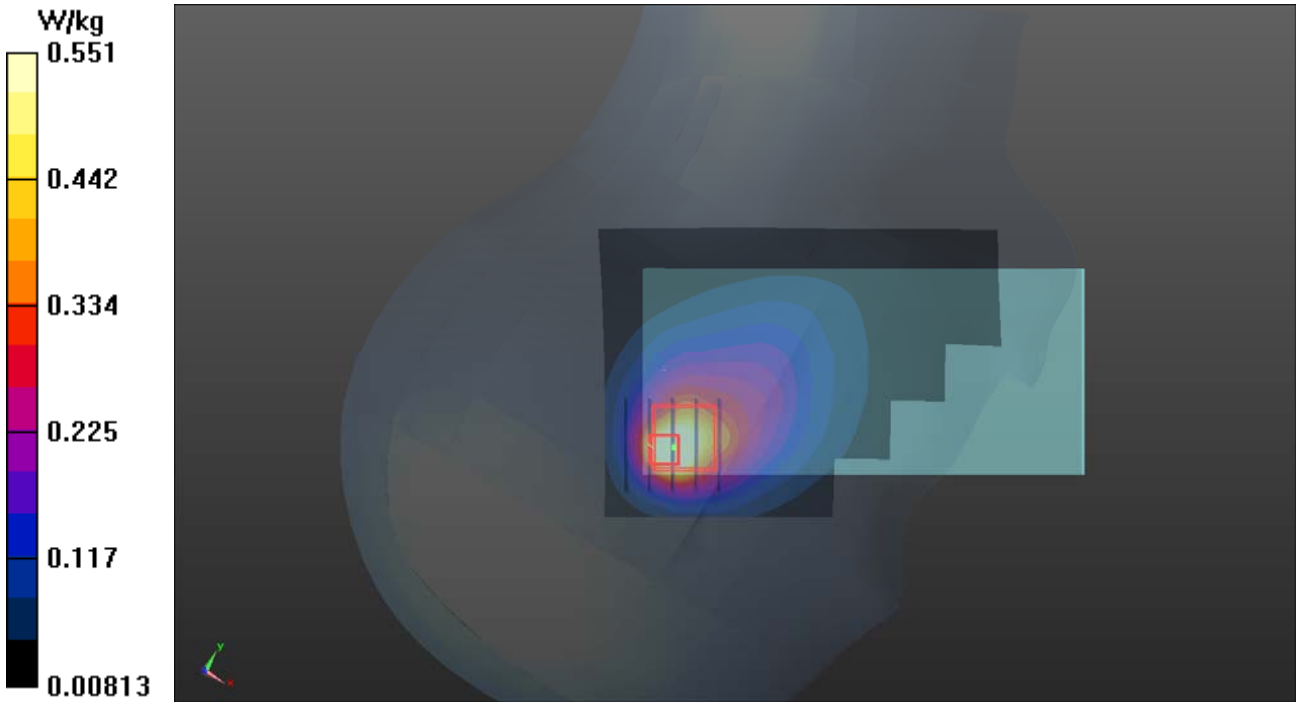
DUT: 181001C14

Communication System: CDMA2000 RC3; Frequency: 823.1 MHz;Duty Cycle: 1:1
Medium: H07T10N1_1123 Medium parameters used: f = 823.1 MHz; σ = 0.91 S/m; ε_r = 42.485; 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 (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.725 W/kg

- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 26.10 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.769 W/kg
SAR(1 g) = 0.329 W/kg; SAR(10 g) = 0.186 W/kg
Maximum value of SAR (measured) = 0.551 W/kg



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

P09 LTE 7_QPSK20M_Right Cheek_Ch20850_1RB_OS0_Sample1_Ant3

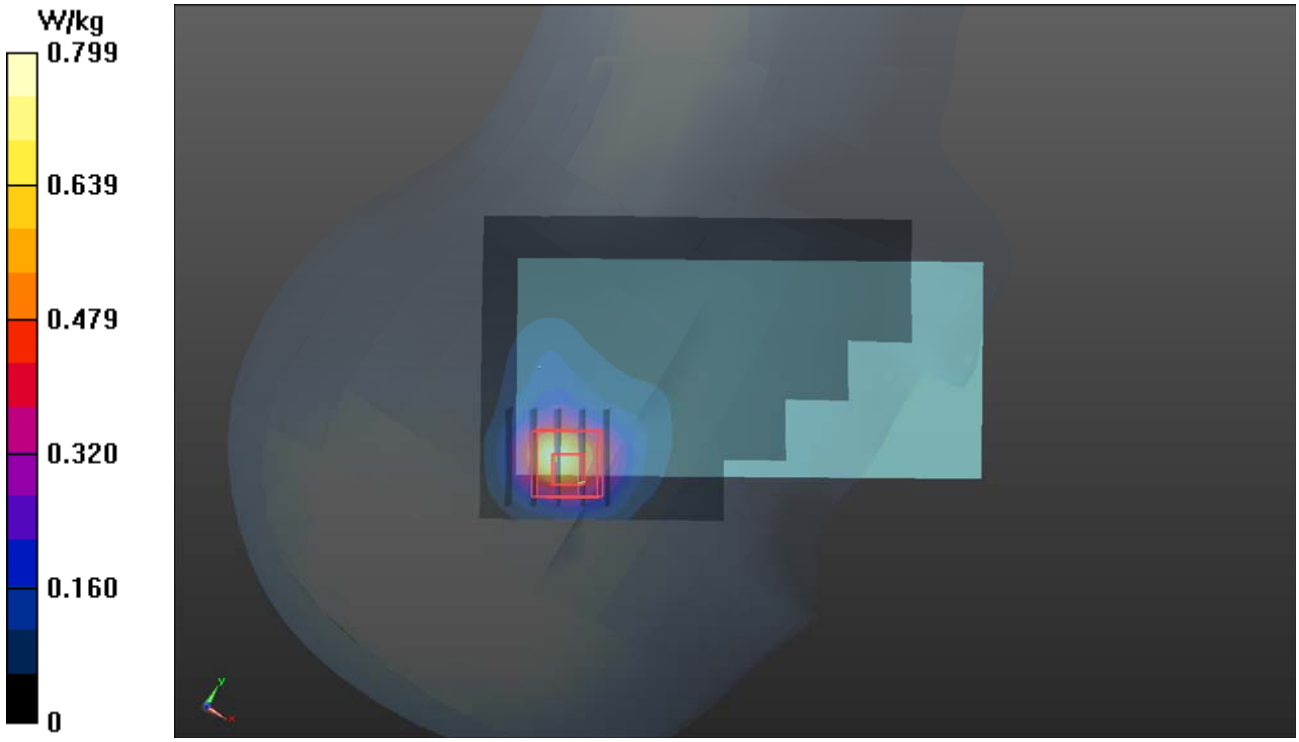
DUT: 181001C14

Communication System: LTE; Frequency: 2510 MHz;Duty Cycle: 1:1
Medium: H19T27N3_1204 Medium parameters used: f = 2510 MHz; σ = 1.934 S/m; ε_r = 38.549; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃ ； Liquid Temperature：23.1 ℃

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 (91x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.799 W/kg

- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.77 V/m; Power Drift = -0.14 dB
Peak SAR (extrapolated) = 1.19 W/kg
SAR(1 g) = 0.559 W/kg; SAR(10 g) = 0.245 W/kg
Maximum value of SAR (measured) = 0.846 W/kg



Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2018/11/24

P10 LTE 12_QPSK10M_Right Cheek_Ch23130_1RB_OS24_Sample1_Ant1

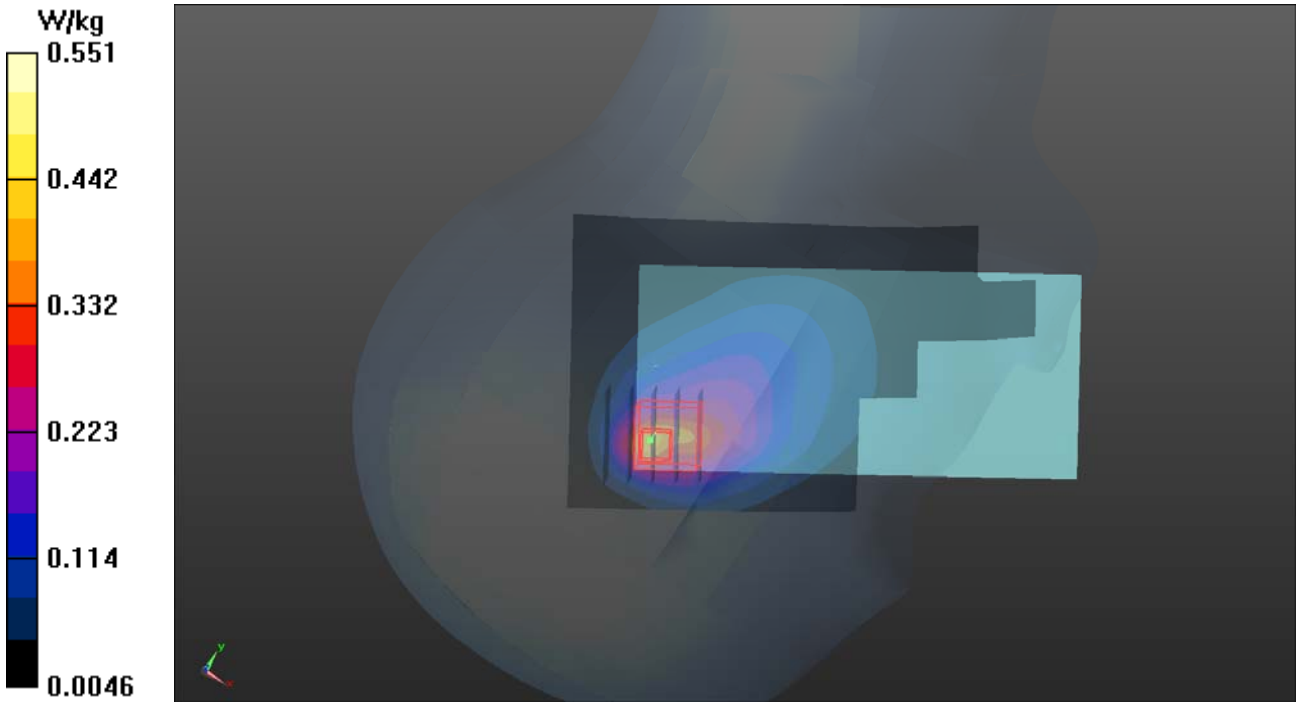
DUT: 181001C14

Communication System: LTE; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: H06T09N1_1124 Medium parameters used: f = 711 MHz; σ = 0.857 S/m; ε_r = 43.469; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃ ； Liquid Temperature：23.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3971; ConvF(10.7, 10.7, 10.7); Calibrated: 2018/03/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1431; Calibrated: 2018/03/16
- Phantom: Twin SAM Phantom_1823; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

- Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.393 W/kg

- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 20.11 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.810 W/kg
SAR(1 g) = 0.289 W/kg; SAR(10 g) = 0.149 W/kg
Maximum value of SAR (measured) = 0.551 W/kg



P11 LTE 13_QPSK10M_Right Cheek_Ch23230_1RB_OS24_Sample1_Ant1

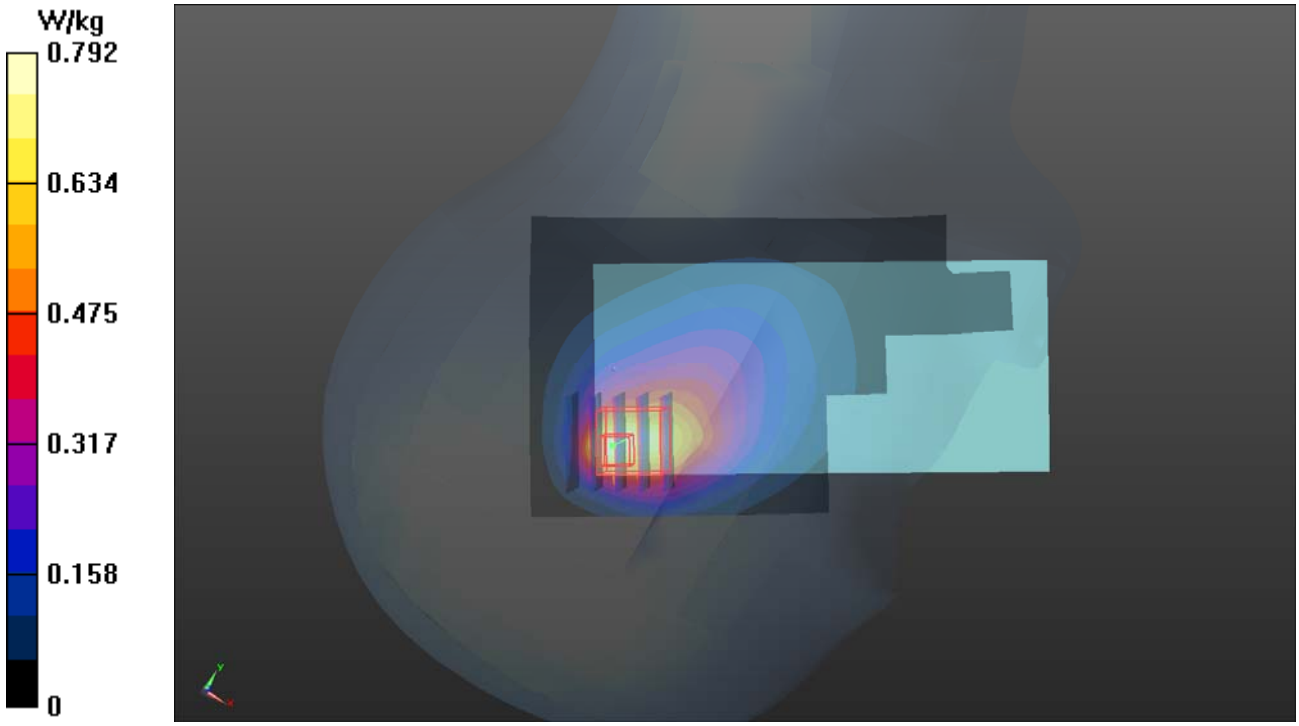
DUT: 181001C14

Communication System: LTE; Frequency: 782 MHz;Duty Cycle: 1:1
Medium: H06T09N1_1124 Medium parameters used: f = 782 MHz; σ = 0.922 S/m; ε_r = 42.596; ρ = 1000 kg/m^3
Ambient Temperature：23.8 ℃ ； Liquid Temperature：23.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3971; ConvF(10.7, 10.7, 10.7); Calibrated: 2018/03/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1431; Calibrated: 2018/03/16
- Phantom: Twin SAM Phantom_1823; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

- Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.792 W/kg

- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 27.65 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 1.47 W/kg
SAR(1 g) = 0.584 W/kg; SAR(10 g) = 0.323 W/kg
Maximum value of SAR (measured) = 0.972 W/kg



Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2018/11/23

P12 LTE 25_QPSK20M_Right Cheek_Ch26590_1RB_OS0_Sample1_Ant1

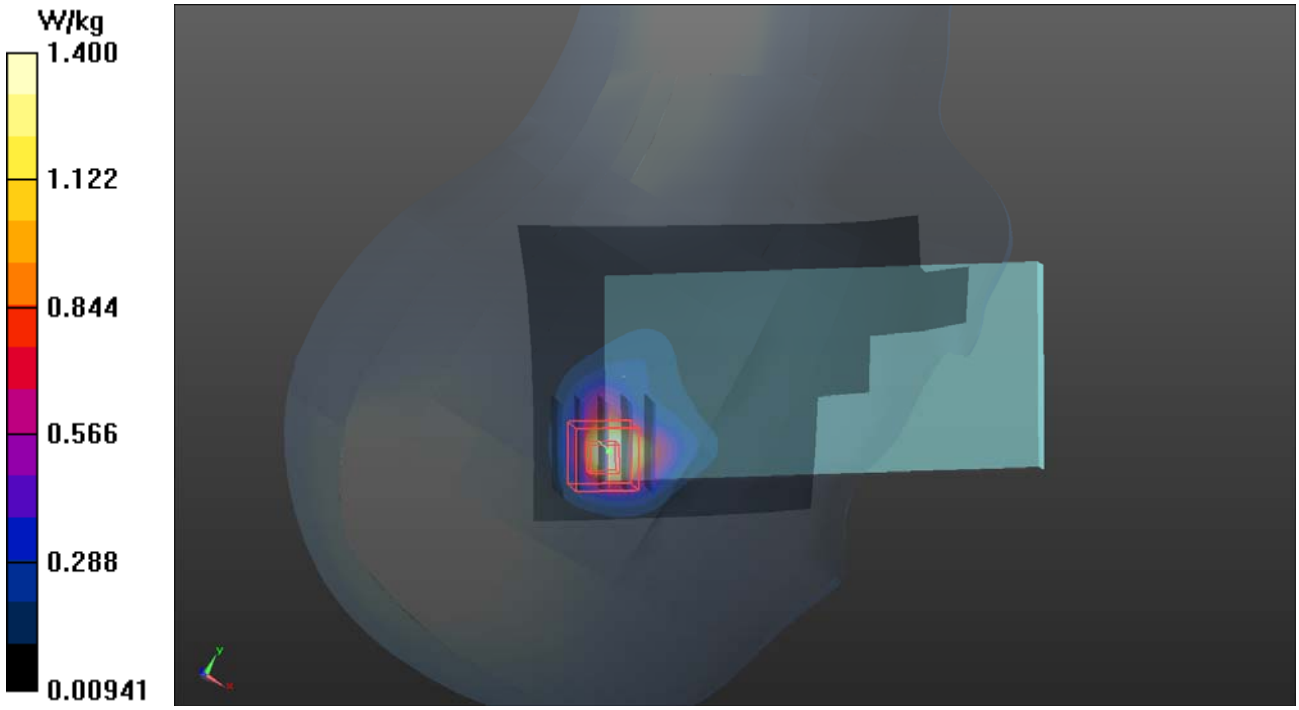
DUT: 181001C14

Communication System: LTE; Frequency: 1905 MHz;Duty Cycle: 1:1
Medium: H16T20N1_1123 Medium parameters used: f = 1905 MHz; σ = 1.463 S/m; ε_r = 38.514; ρ = 1000 kg/m^3
Ambient Temperature：23.8 ℃ ； Liquid Temperature：23.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3971; ConvF(8.52, 8.52, 8.52); Calibrated: 2018/03/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1431; Calibrated: 2018/03/16
- Phantom: Twin SAM Phantom_1823; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

- Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.68 W/kg

- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 26.91 V/m; Power Drift = -0.17 dB
Peak SAR (extrapolated) = 1.89 W/kg
SAR(1 g) = 0.840 W/kg; SAR(10 g) = 0.376 W/kg
Maximum value of SAR (measured) = 1.40 W/kg



P13 LTE 26_QPSK15M_Right Cheek_Ch26865_1RB_OS0_Sample1_Ant1

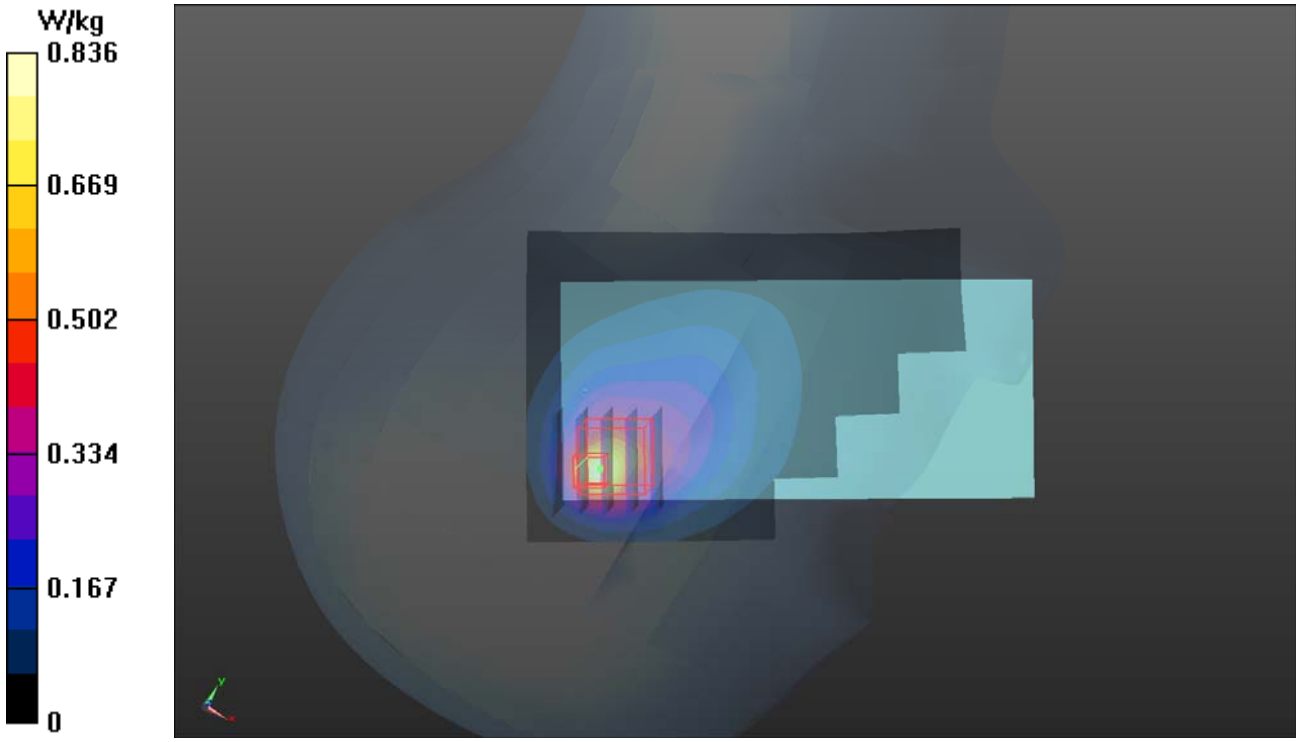
DUT: 181001C14

Communication System: LTE; Frequency: 831.5 MHz;Duty Cycle: 1:1
Medium: H07T10N1_1123 Medium parameters used: f = 831.5 MHz; σ = 0.917 S/m; ε_r = 42.376; ρ = 1000 kg/m^3
Ambient Temperature：23.8 ℃ ； Liquid Temperature：23.5 ℃

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 (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.836 W/kg

- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 27.28 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.883 W/kg
SAR(1 g) = 0.376 W/kg; SAR(10 g) = 0.222 W/kg
Maximum value of SAR (measured) = 0.635 W/kg



P14 LTE 38_QPSK20M_Right Cheek_Ch38150_1RB_OS99_Sample1_Ant3

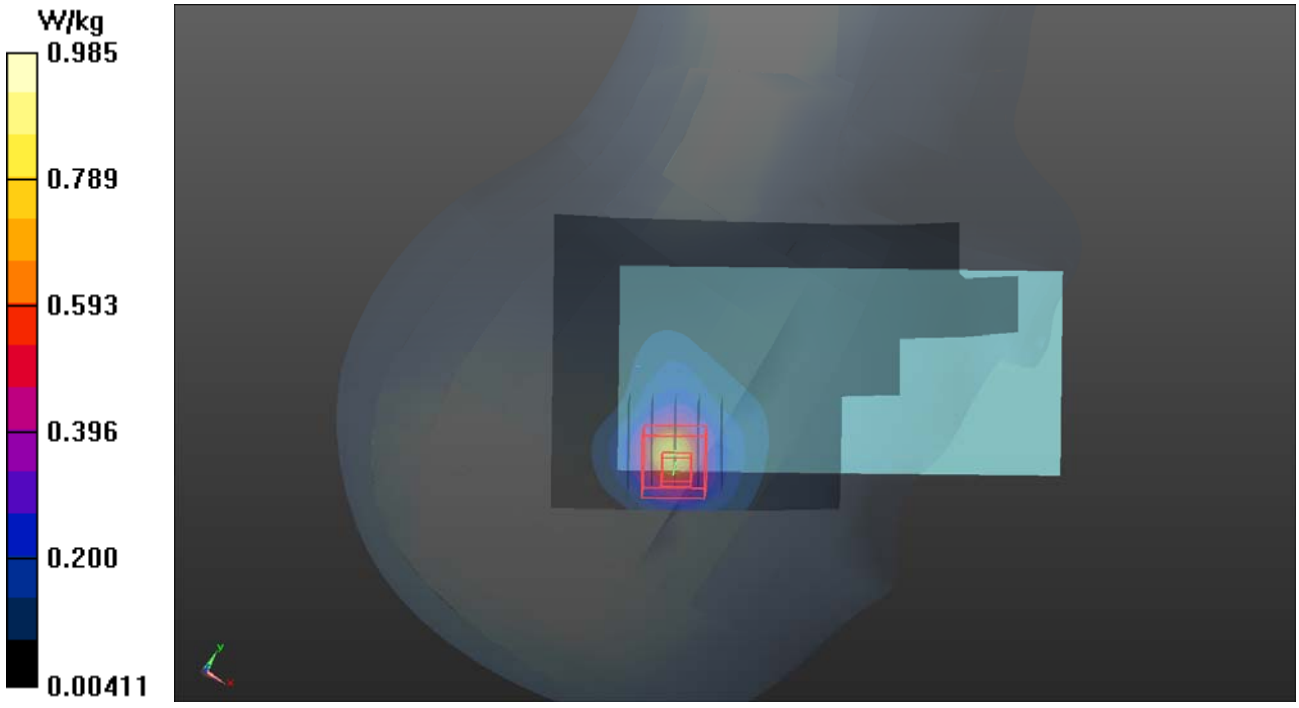
DUT: 181001C14

Communication System: LTE TDD CF0; Frequency: 2610 MHz;Duty Cycle: 1:1.58
Medium: H19T27N1_1125 Medium parameters used: f = 2610 MHz; σ = 2.04 S/m; ε_r = 37.582; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃ ； Liquid Temperature：23.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3971; ConvF(7.59, 7.59, 7.59); Calibrated: 2018/03/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1431; Calibrated: 2018/03/16
- Phantom: Twin SAM Phantom_1823; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

- Area Scan (91x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.795 W/kg

- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.43 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 1.30 W/kg
SAR(1 g) = 0.544 W/kg; SAR(10 g) = 0.264 W/kg
Maximum value of SAR (measured) = 0.985 W/kg



P15 LTE 41_QPSK20M_Right Cheek_Ch40185_1RB_OS0_Sample1_Ant3

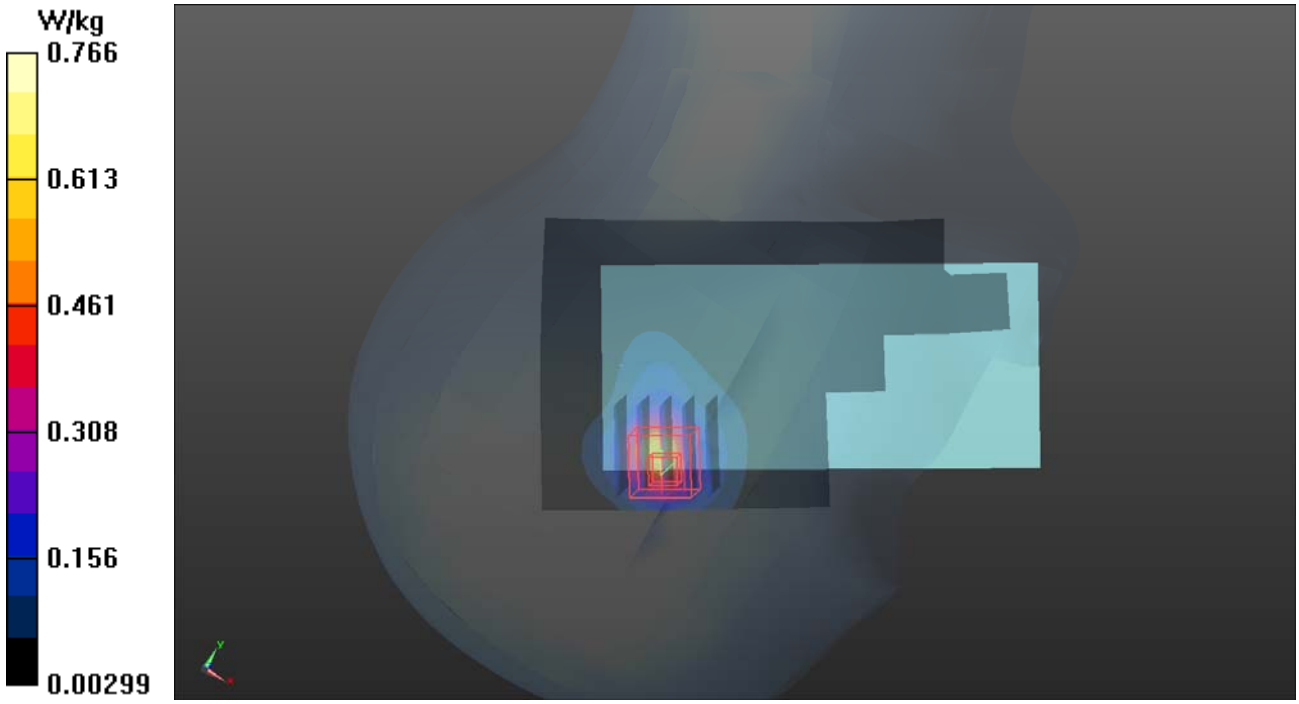
DUT: 181001C14

Communication System: LTE TDD CF0; Frequency: 2549.5 MHz;Duty Cycle: 1:1.58
Medium: H19T27N1_1125 Medium parameters used: f = 2550 MHz; σ = 1.971 S/m; ε_r = 37.761; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃ ； Liquid Temperature：23.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3971; ConvF(7.59, 7.59, 7.59); Calibrated: 2018/03/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1431; Calibrated: 2018/03/16
- Phantom: Twin SAM Phantom_1823; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

- Area Scan (91x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.619 W/kg

- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.30 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 1.02 W/kg
SAR(1 g) = 0.488 W/kg; SAR(10 g) = 0.221 W/kg
Maximum value of SAR (measured) = 0.766 W/kg



P16 LTE 66_QPSK20M_Right Tilted_Ch132572_1RB_OS50_Sample1_Ant1

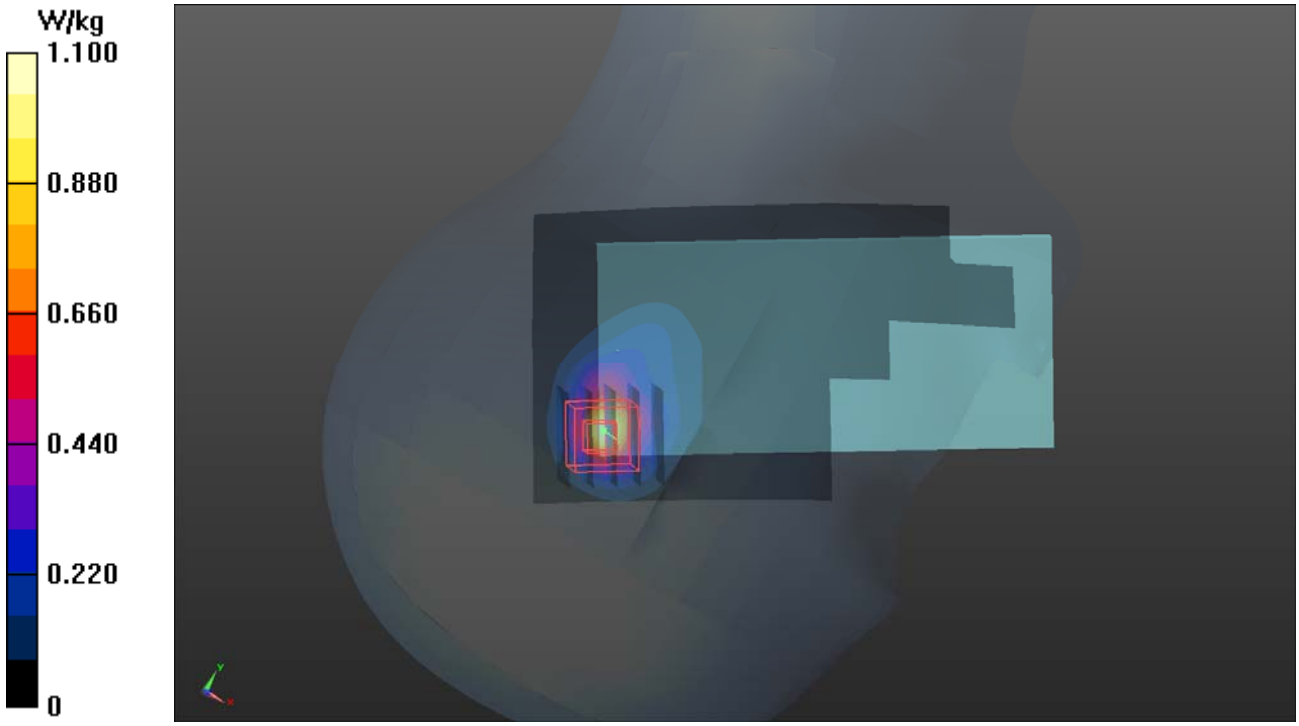
DUT: 181001C14

Communication System: LTE; Frequency: 1770 MHz;Duty Cycle: 1:1
Medium: H16T20N1_1124 Medium parameters used: f = 1770 MHz; σ = 1.341 S/m; ε_r = 38.865; ρ = 1000 kg/m^3
Ambient Temperature：23.8 ℃ ； Liquid Temperature：23.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3971; ConvF(8.9, 8.9, 8.9); Calibrated: 2018/03/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1431; Calibrated: 2018/03/16
- Phantom: Twin SAM Phantom_1823; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

- Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.10 W/kg

- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 24.30 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 1.16 W/kg
SAR(1 g) = 0.495 W/kg; SAR(10 g) = 0.240 W/kg
Maximum value of SAR (measured) = 0.940 W/kg



Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2018/11/14

P17 WLAN2.4G_802.11b_Left Cheek_Ch6_Ant0+1

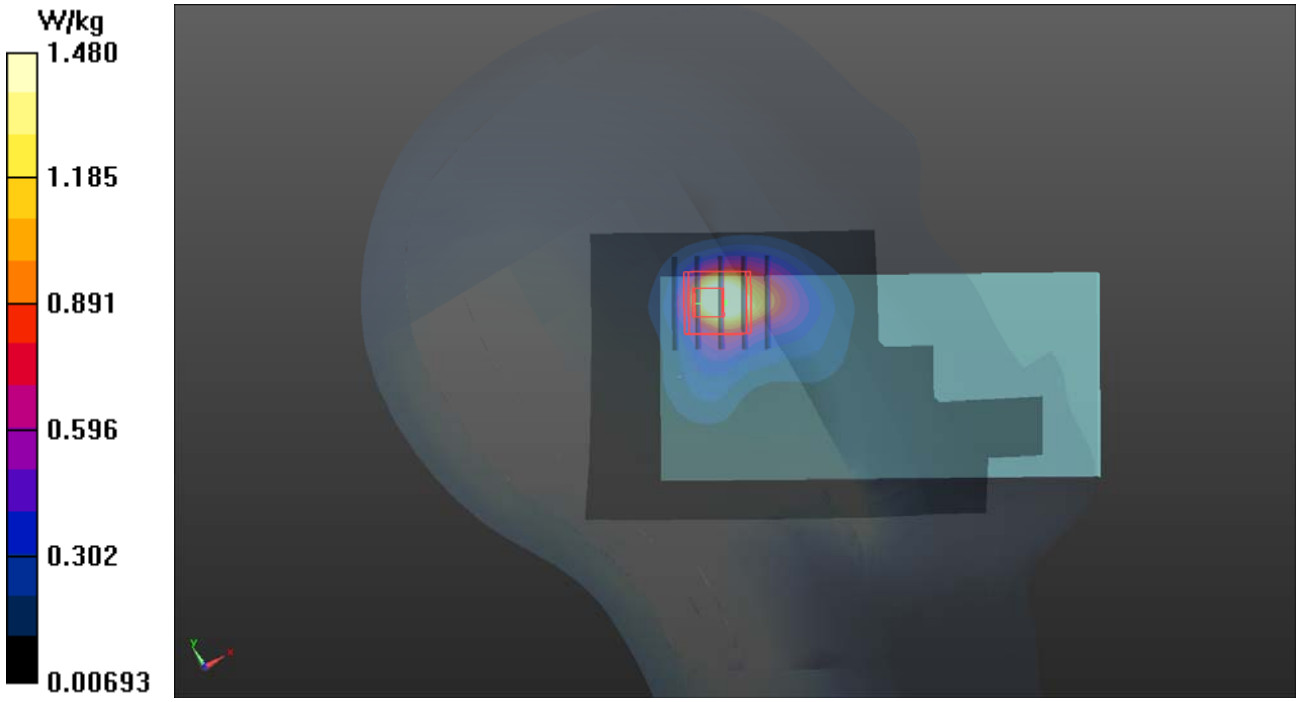
DUT: 181001C14

Communication System: WLAN_2.4G; Frequency: 2437 MHz;Duty Cycle: 1:1.01
Medium: H19T27N1_1114 Medium parameters used: f = 2437 MHz; σ = 1.868 S/m; ε_r = 38.359; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃ ； Liquid Temperature：23.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3898; ConvF(7.59, 7.59, 7.59); 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 (91x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 1.85 W/kg

- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 30.08 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 1.85 W/kg
SAR(1 g) = 0.983 W/kg; SAR(10 g) = 0.496 W/kg
Maximum value of SAR (measured) = 1.48 W/kg



P18 WLAN5.3G_802.11ac VHT80_Left Tilted_Ch58_Sample1_Ant0

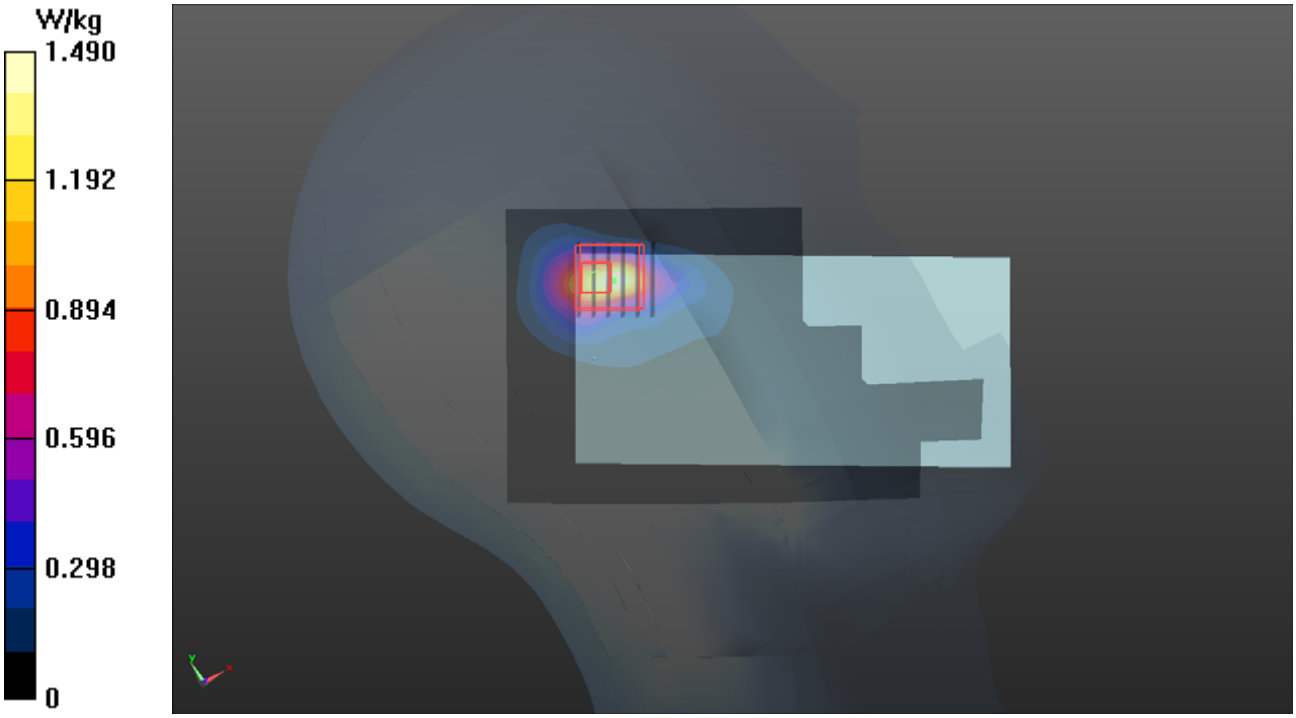
DUT: 181001C14

Communication System: WLAN_5G; Frequency: 5290 MHz;Duty Cycle: 1:1.1
Medium: H34T60N1_1114 Medium parameters used: f = 5290 MHz; σ = 4.782 S/m; ε_r = 35.559; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃ ； Liquid Temperature：23.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3898; ConvF(5.4, 5.4, 5.4); 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 (101x181x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 1.49 W/kg

- Zoom Scan (6x6x12)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=2mm
Reference Value = 15.56 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 4.07 W/kg
SAR(1 g) = 0.995 W/kg; SAR(10 g) = 0.297 W/kg
Maximum value of SAR (measured) = 2.40 W/kg



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

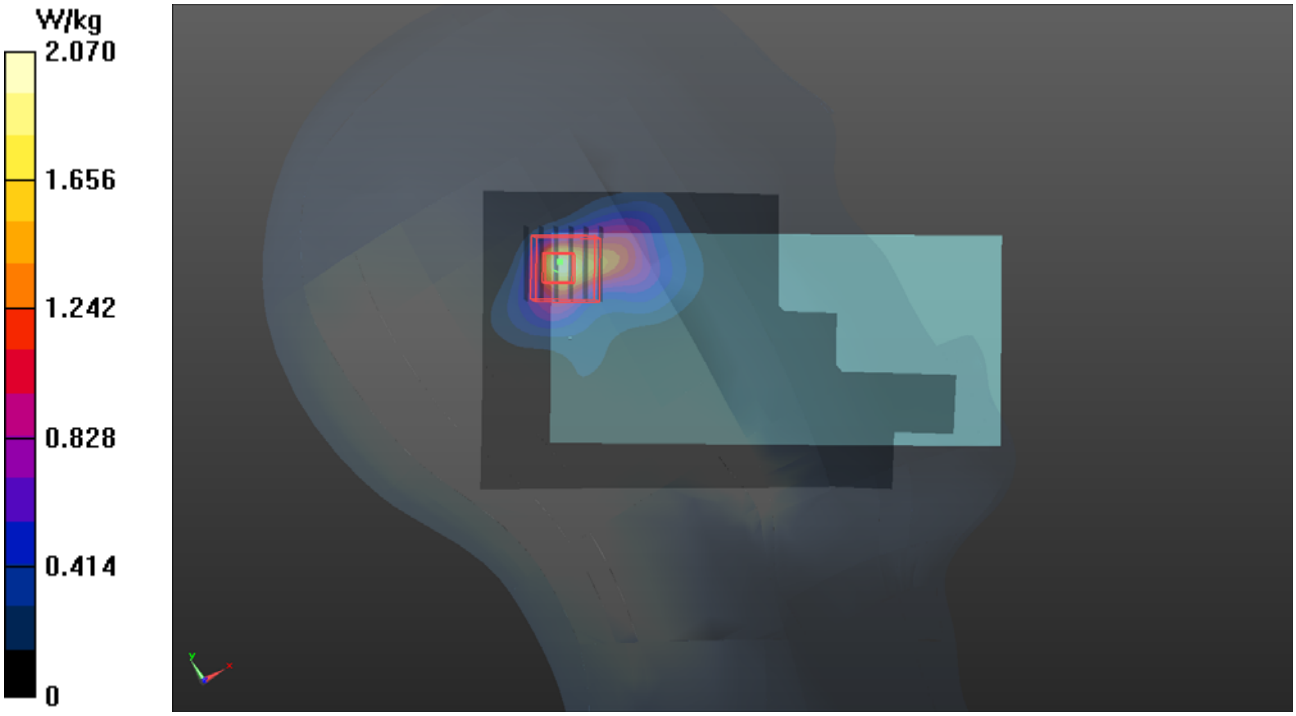
DUT: 181001C14

Communication System: WLAN_5G; Frequency: 5690 MHz;Duty Cycle: 1:1.1
Medium: H34T60N1_1114 Medium parameters used: f = 5690 MHz; σ = 5.188 S/m; ε_r = 34.973; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃ ； Liquid Temperature：23.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3898; ConvF(5.09, 5.09, 5.09); 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 (101x181x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 2.07 W/kg

- Zoom Scan (6x6x12)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=2mm
Reference Value = 15.28 V/m; Power Drift = -0.18 dB
Peak SAR (extrapolated) = 4.86 W/kg
SAR(1 g) = 0.904 W/kg; SAR(10 g) = 0.268 W/kg
Maximum value of SAR (measured) = 2.46 W/kg



P20 WLAN5.8G_802.11ac VHT80_Left Tilted_Ch155_Sample1_Ant0+1

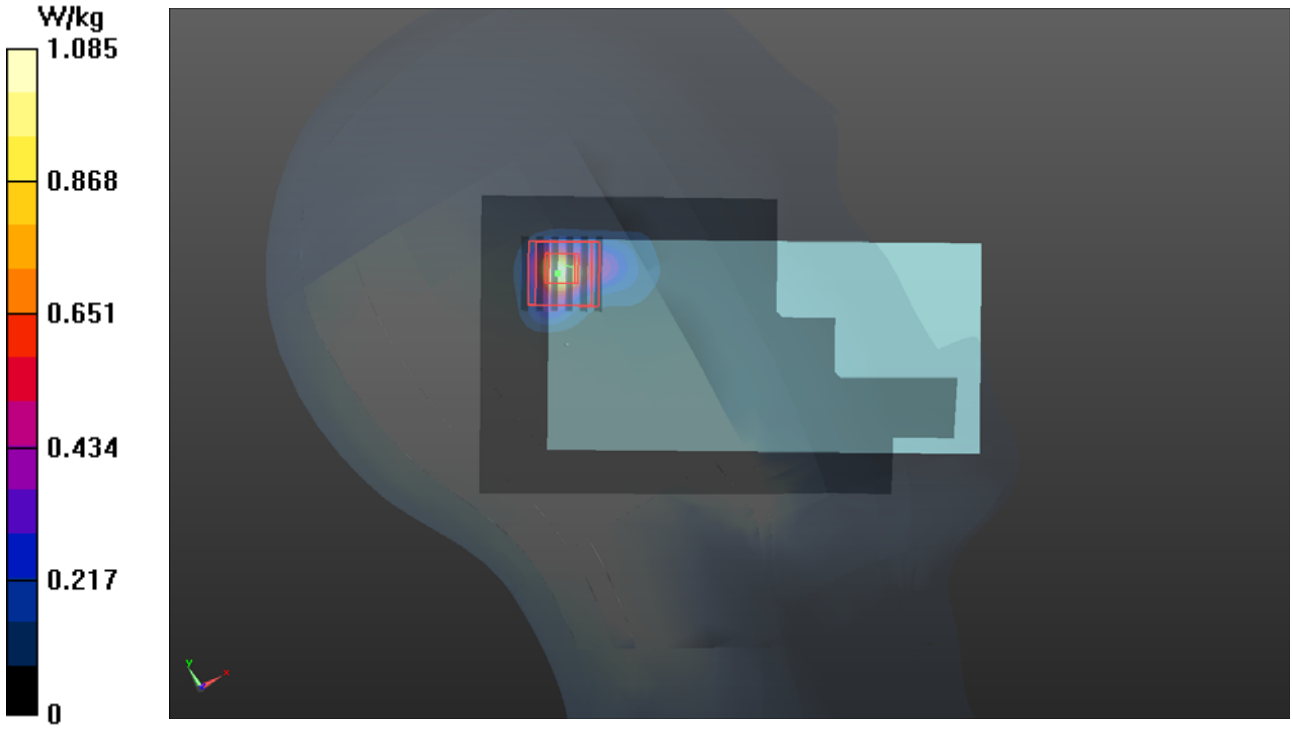
DUT: 181001C14

Communication System: WLAN_5G; Frequency: 5775 MHz;Duty Cycle: 1:1.1
Medium: H34T60N1_0128 Medium parameters used: f = 5775 MHz; σ = 5.34 S/m; ε_r = 36.318; ρ = 1000 kg/m^3
Ambient Temperature：23.8 ℃ ； Liquid Temperature：23.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7472; ConvF(5.32, 5.32, 5.32); Calibrated: 2018/08/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1431; Calibrated: 2018/03/16
- Phantom: Twin SAM Phantom_1654; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

- Area Scan (101x181x1): 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 = 15.70 V/m; Power Drift = -0.14 dB
Peak SAR (extrapolated) = 4.22 W/kg
SAR(1 g) = 1.02 W/kg; SAR(10 g) = 0.324 W/kg
Maximum value of SAR (measured) = 2.20 W/kg



P21 BT_BDR_Left Cheek_Ch39_Sample1_Ant0

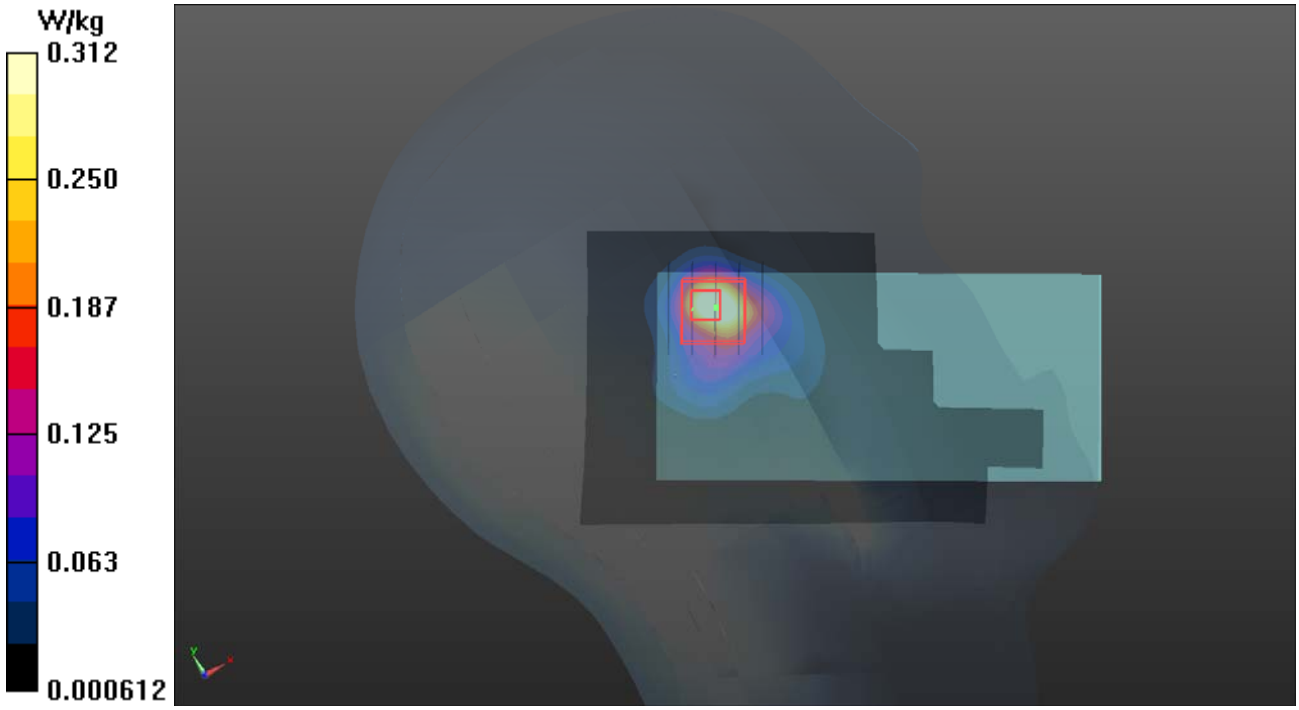
DUT: 181001C14

Communication System: BT; Frequency: 2441 MHz;Duty Cycle: 1:1.3
Medium: H19T27N1_1114 Medium parameters used: f = 2441 MHz; σ = 1.872 S/m; ε_r = 38.341; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃ ； Liquid Temperature：23.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3898; ConvF(7.59, 7.59, 7.59); 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 (91x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.394 W/kg

- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.35 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 0.412 W/kg
SAR(1 g) = 0.224 W/kg; SAR(10 g) = 0.101 W/kg
Maximum value of SAR (measured) = 0.312 W/kg



P22 GSM850_GPRS12_Rear Face_10mm_Ch189_Sample1_Ant1

DUT: 181001C14

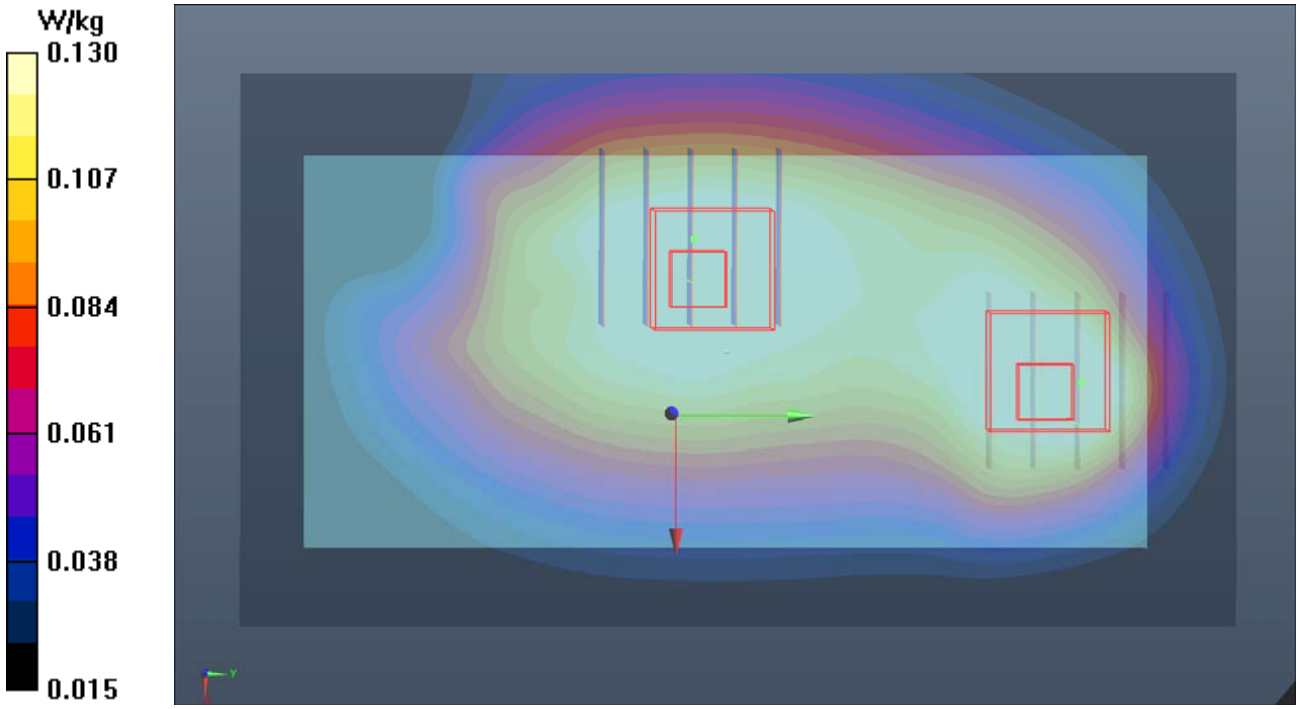
Communication System: GPRS12; Frequency: 836.4 MHz;Duty Cycle: 1:2
Medium: B07T10N1_1126 Medium parameters used: f = 836.4 MHz; σ = 1.018 S/m; ε_r = 57.256; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃ ； Liquid Temperature：23.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7472; ConvF(10.35, 10.35, 10.35); Calibrated: 2018/08/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2018/05/30
- Phantom: Twin SAM Phantom_1652; Type: QD000P40;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

- Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.152 W/kg

- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.03 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 0.171 W/kg
SAR(1 g) = 0.109 W/kg; SAR(10 g) = 0.079 W/kg
Maximum value of SAR (measured) = 0.141 W/kg

- Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.03 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 0.143 W/kg
SAR(1 g) = 0.107 W/kg; SAR(10 g) = 0.077 W/kg
Maximum value of SAR (measured) = 0.130 W/kg



P23 GSM1900_GPRS12_Rear Face_10mm_Ch810_Sample1_Ant1

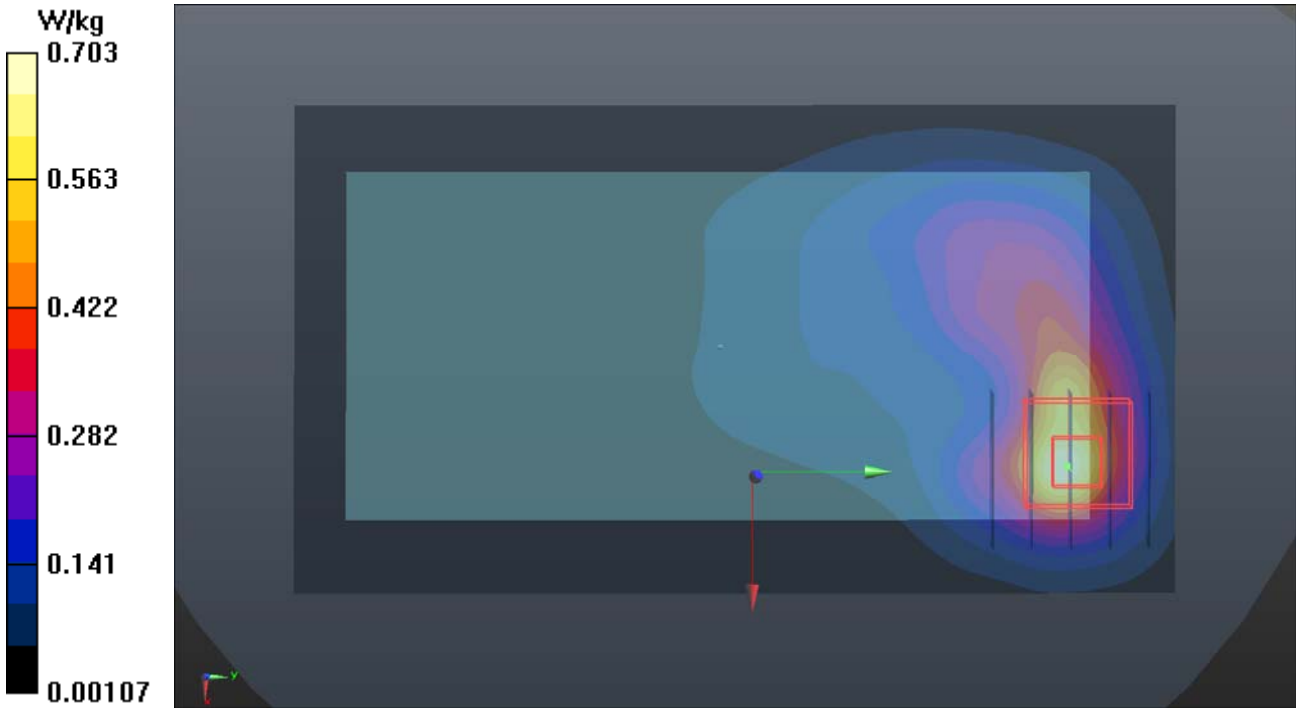
DUT: 181001C14

Communication System: GPRS12; Frequency: 1909.8 MHz;Duty Cycle: 1:2
Medium: B16T20N1_1127 Medium parameters used: f = 1910 MHz; σ = 1.573 S/m; ε_r = 50.937; ρ = 1000 kg/m^3
Ambient Temperature：23.8 ℃ ； Liquid Temperature：23.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7472; ConvF(8.07, 8.07, 8.07); Calibrated: 2018/08/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2018/05/30
- Phantom: Twin SAM Phantom_1652; Type: QD000P40;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

- Area Scan (71x121x1): 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 = 19.46 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 0.777 W/kg
SAR(1 g) = 0.431 W/kg; SAR(10 g) = 0.226 W/kg
Maximum value of SAR (measured) = 0.656 W/kg



P24 WCDMA II_RMC12.2K_Rear Face_10mm_Ch9538_Sample1_Ant1

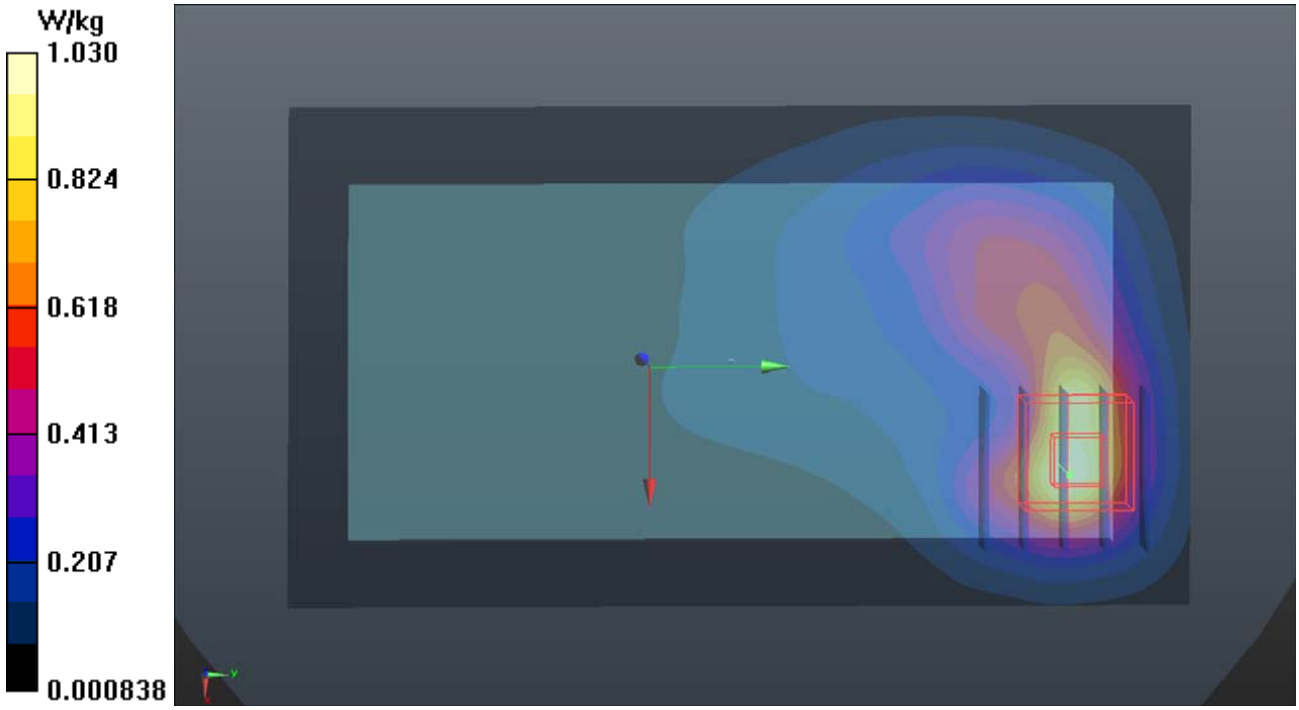
DUT: 181001C14

Communication System: WCDMA; Frequency: 1907.6 MHz;Duty Cycle: 1:1
Medium: B16T20N1_1127 Medium parameters used: f = 1908 MHz; σ = 1.572 S/m; ε_r = 50.945; ρ = 1000 kg/m^3
Ambient Temperature：23.8 ℃ ； Liquid Temperature：23.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7472; ConvF(8.07, 8.07, 8.07); Calibrated: 2018/08/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2018/05/30
- Phantom: Twin SAM Phantom_1652; Type: QD000P40;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

- Area Scan (71x121x1): 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 = 24.85 V/m; Power Drift = -0.16 dB
Peak SAR (extrapolated) = 1.23 W/kg
SAR(1 g) = 0.688 W/kg; SAR(10 g) = 0.365 W/kg
Maximum value of SAR (measured) = 1.04 W/kg



Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2018/11/29

P25 WCDMA IV_RMC12.2K_Rear Face_10mm_Ch1413_Sample1_Ant0

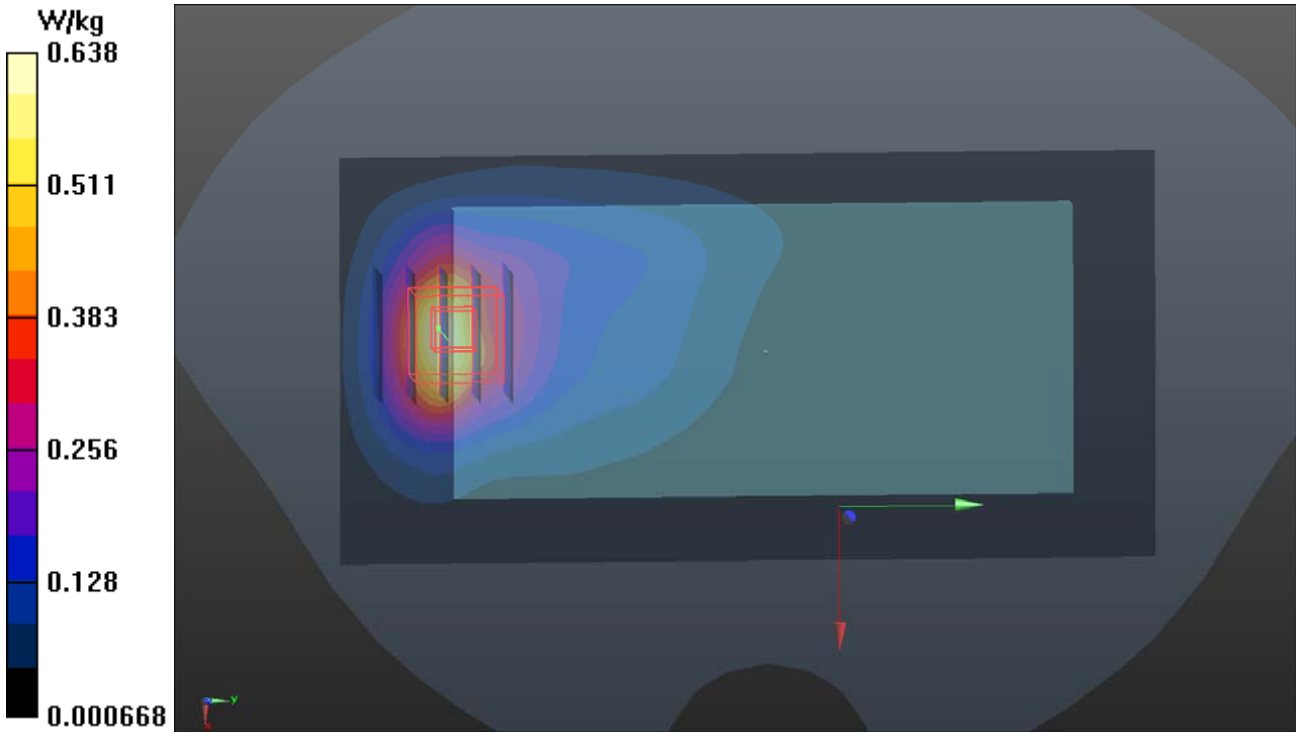
DUT: 181001C14

Communication System: WCDMA; Frequency: 1732.6 MHz;Duty Cycle: 1:1
Medium: B16T20N1_1129 Medium parameters used: f = 1733 MHz; σ = 1.425 S/m; ε_r = 53.414; ρ = 1000 kg/m^3
Ambient Temperature：23.9 ℃ ； Liquid Temperature：23.4 ℃

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 Sn861; Calibrated: 2018/05/30
- Phantom: Twin SAM Phantom_1652; 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) = 0.638 W/kg

- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 20.06 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.896 W/kg
SAR(1 g) = 0.513 W/kg; SAR(10 g) = 0.274 W/kg
Maximum value of SAR (measured) = 0.712 W/kg



P26 WCDMA V_RMC12.2K_Rear Face_10mm_Ch4233_Sample1_Ant1

DUT: 181001C14

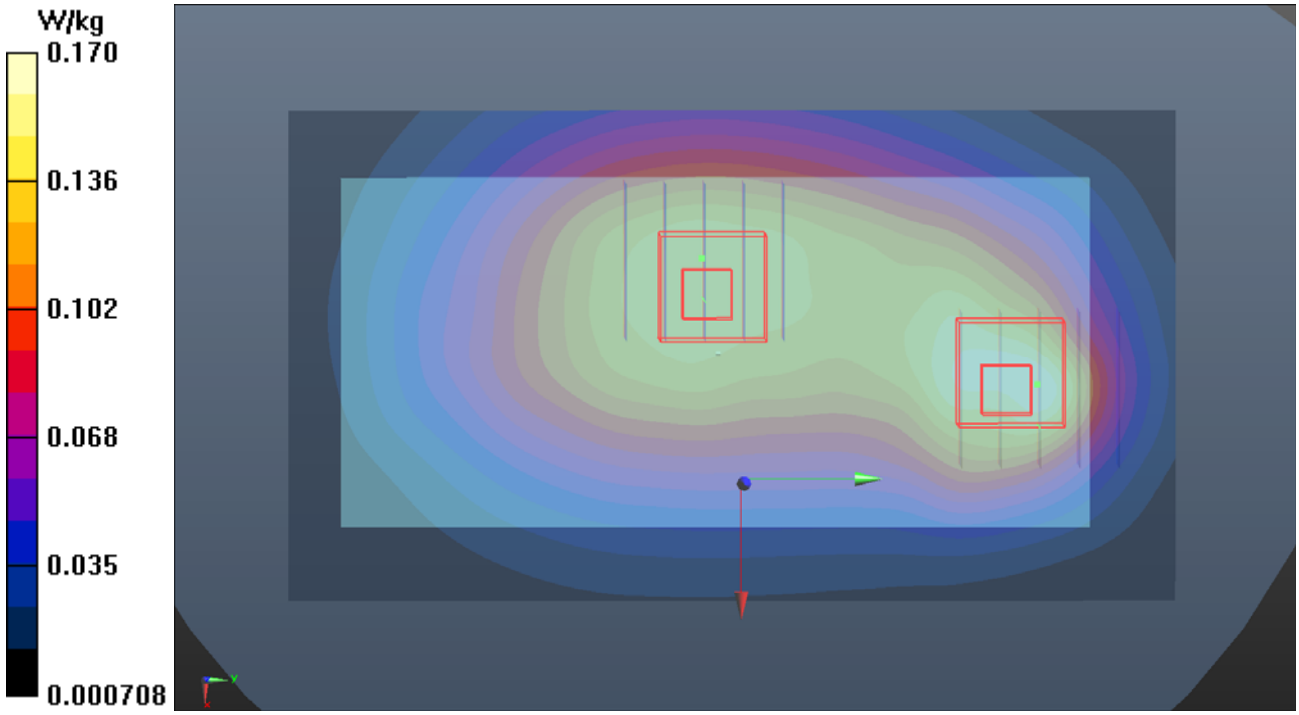
Communication System: WCDMA; Frequency: 846.6 MHz;Duty Cycle: 1:1
Medium: B07T10N1_1126 Medium parameters used: f = 847 MHz; σ = 1.028 S/m; ε_r = 57.169; ρ = 1000 kg/m^3
Ambient Temperature：23.7 ℃ ； Liquid Temperature：23.1 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7472; ConvF(10.35, 10.35, 10.35); Calibrated: 2018/08/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2018/05/30
- Phantom: Twin SAM Phantom_1652; Type: QD000P40;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

- Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.170 W/kg

- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.68 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.201 W/kg
SAR(1 g) = 0.124 W/kg; SAR(10 g) = 0.083 W/kg
Maximum value of SAR (measured) = 0.164 W/kg

- Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.68 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.160 W/kg
SAR(1 g) = 0.120 W/kg; SAR(10 g) = 0.091 W/kg
Maximum value of SAR (measured) = 0.146 W/kg



Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2018/11/26

P27 CDMA BC0_RTAP153.6_Rear Face_10mm_Ch1013_Sample1_Ant1

DUT: 181001C14

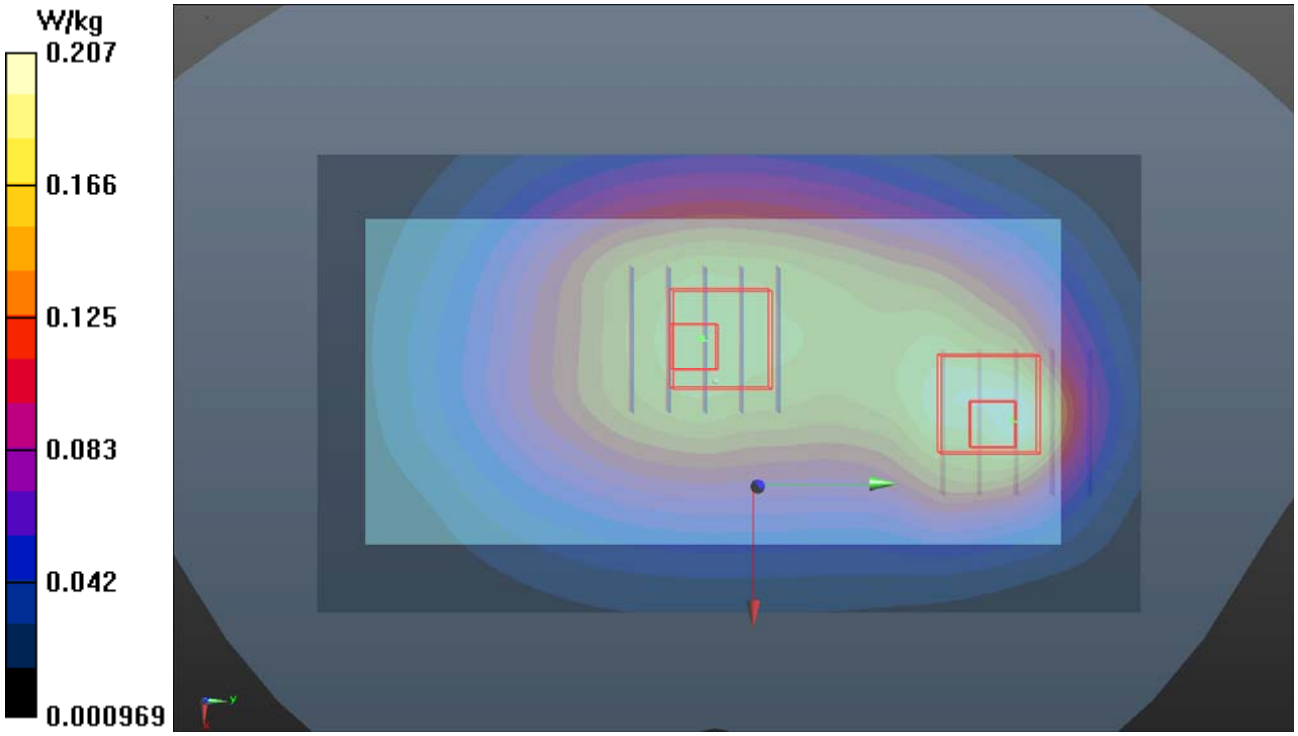
Communication System: CDMA2000; Frequency: 824.7 MHz;Duty Cycle: 1:1
Medium: B07T10N1_1126 Medium parameters used: f = 825 MHz; σ = 1.008 S/m; ε_r = 57.352; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃ ； Liquid Temperature：23.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7472; ConvF(10.35, 10.35, 10.35); Calibrated: 2018/08/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2018/05/30
- Phantom: Twin SAM Phantom_1652; Type: QD000P40;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

- Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.207 W/kg

- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.77 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 0.227 W/kg
SAR(1 g) = 0.145 W/kg; SAR(10 g) = 0.097 W/kg
Maximum value of SAR (measured) = 0.187 W/kg

- Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.77 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 0.185 W/kg
SAR(1 g) = 0.137 W/kg; SAR(10 g) = 0.104 W/kg
Maximum value of SAR (measured) = 0.167 W/kg



P28 CDMA BC1_RTAP153.6_Rear Face_10mm_Ch1175_Sample1_Ant1

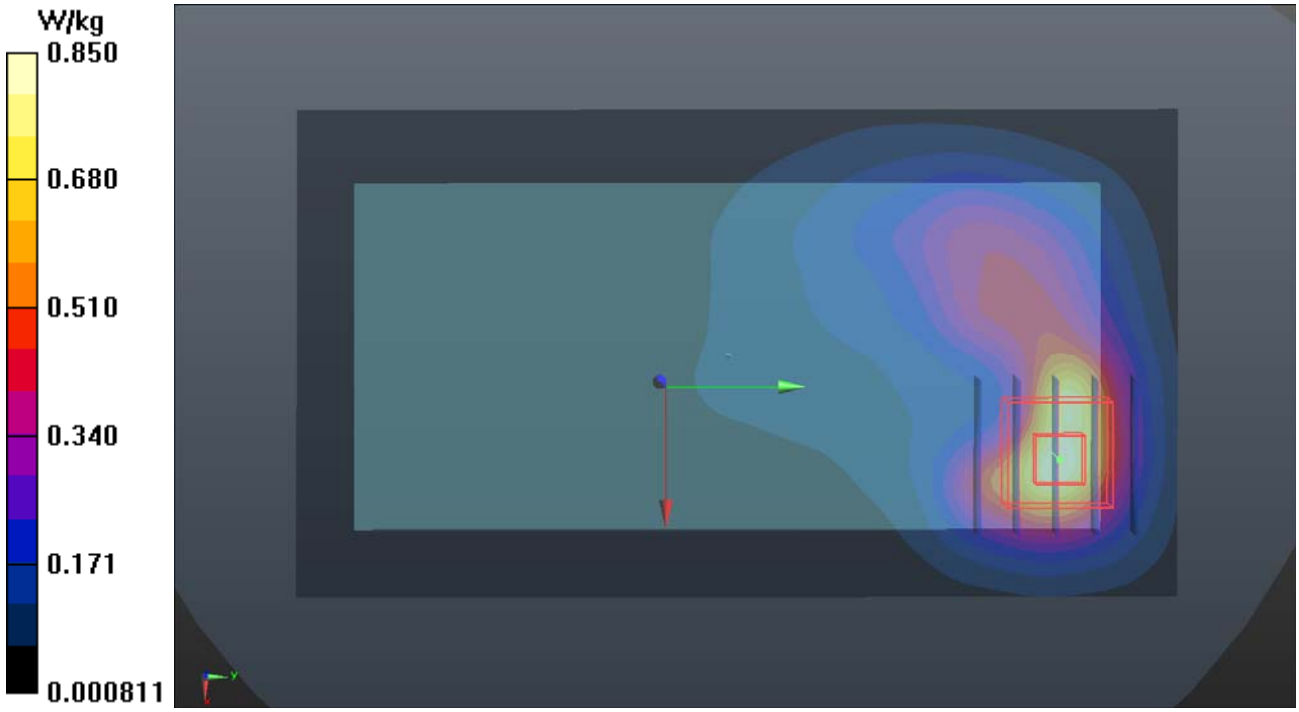
DUT: 181001C14

Communication System: CDMA2000; Frequency: 1908.75 MHz;Duty Cycle: 1:1
Medium: B16T20N1_1127 Medium parameters used: f = 1909 MHz; σ = 1.572 S/m; ε_r = 50.94; ρ = 1000 kg/m^3
Ambient Temperature：23.7 ℃ ； Liquid Temperature：23.1 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7472; ConvF(8.07, 8.07, 8.07); Calibrated: 2018/08/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2018/05/30
- Phantom: Twin SAM Phantom_1652; 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) = 0.850 W/kg

- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 22.84 V/m; Power Drift = -0.18 dB
Peak SAR (extrapolated) = 1.11 W/kg
SAR(1 g) = 0.495 W/kg; SAR(10 g) = 0.259 W/kg
Maximum value of SAR (measured) = 0.943 W/kg



P29 CDMA BC10_RTAP153.6_Rear Face_10mm_Ch684_Sample1_Ant1

DUT: 181001C14

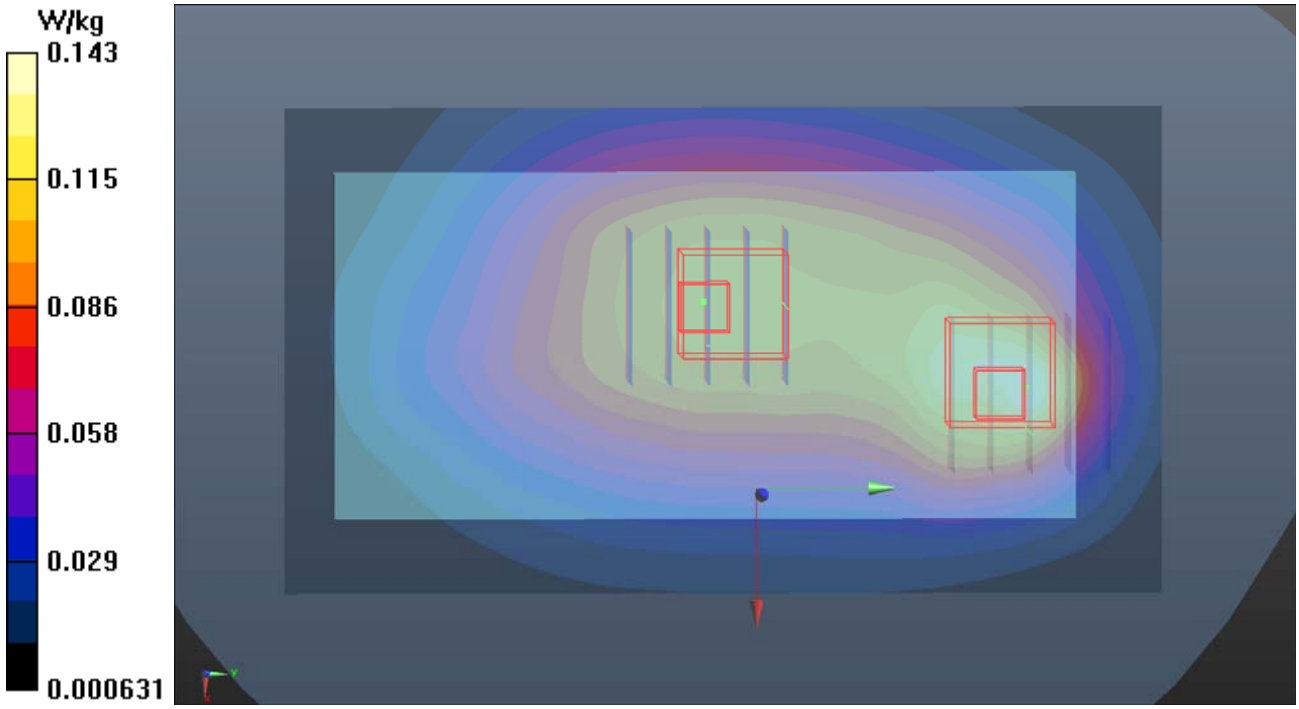
Communication System: CDMA2000; Frequency: 823.1 MHz;Duty Cycle: 1:1
Medium: B07T10N1_1126 Medium parameters used: f = 823.1 MHz; σ = 1.006 S/m; ε_r = 57.365; ρ = 1000 kg/m^3
Ambient Temperature：23.7 ℃ ； Liquid Temperature：23.1 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7472; ConvF(10.35, 10.35, 10.35); Calibrated: 2018/08/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2018/05/30
- Phantom: Twin SAM Phantom_1652; Type: QD000P40;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

- Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.143 W/kg

- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.69 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.161 W/kg
SAR(1 g) = 0.099 W/kg; SAR(10 g) = 0.066 W/kg
Maximum value of SAR (measured) = 0.130 W/kg

- Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.69 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.118 W/kg
SAR(1 g) = 0.089 W/kg; SAR(10 g) = 0.068 W/kg
Maximum value of SAR (measured) = 0.108 W/kg



P30 LTE 7_QPSK20M_Rear Face_10mm_Ch20850_1RB_OS0_Sample1_Ant2

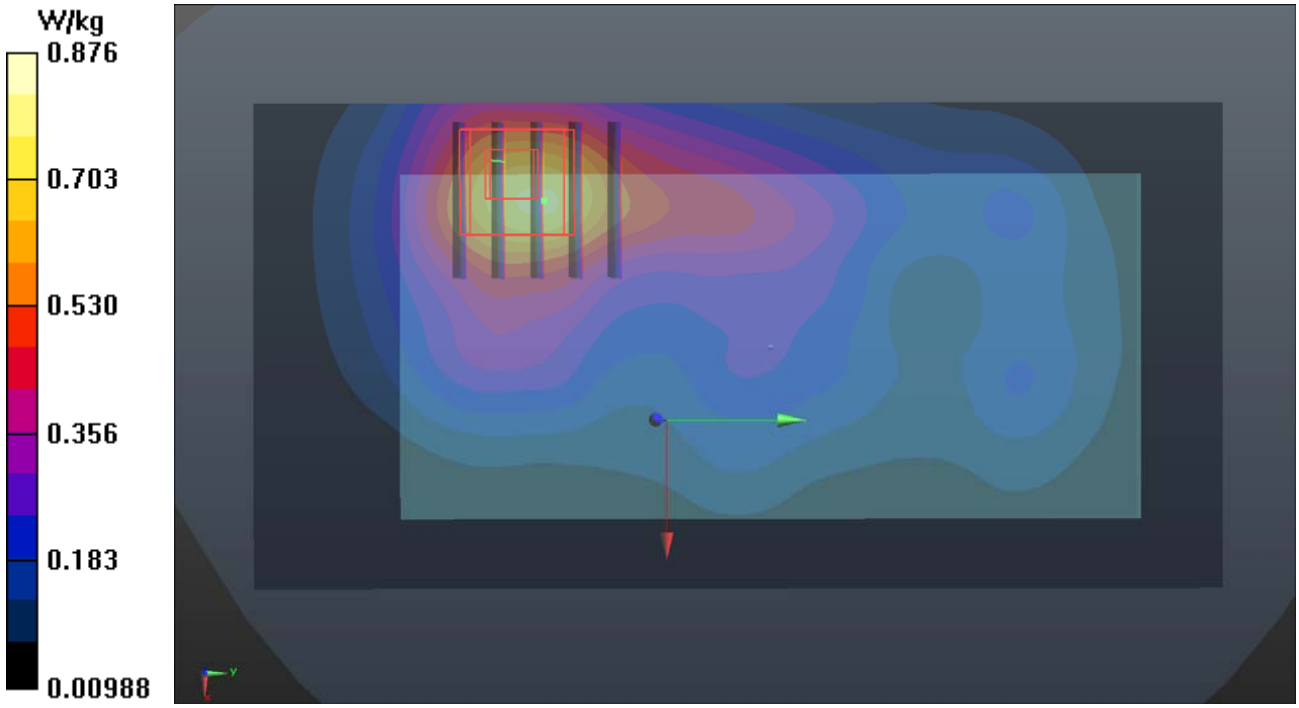
DUT: 181001C14

Communication System: LTE; Frequency: 2510 MHz;Duty Cycle: 1:1
Medium: B19T27N3_1129 Medium parameters used: f = 2510 MHz; σ = 2.037 S/m; ε_r = 51.178; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃ ； Liquid Temperature：23.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7472; ConvF(7.7, 7.7, 7.7); Calibrated: 2018/08/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2018/05/30
- Phantom: Twin SAM Phantom_1652; 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) = 0.776 W/kg

- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 20.22 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 1.12 W/kg
SAR(1 g) = 0.698 W/kg; SAR(10 g) = 0.293 W/kg
Maximum value of SAR (measured) = 0.876 W/kg



P31 LTE 12_QPSK10M_Rear Face_10mm_Ch23130_1RB_OS24_Sample1_Ant0

DUT: 181001C14

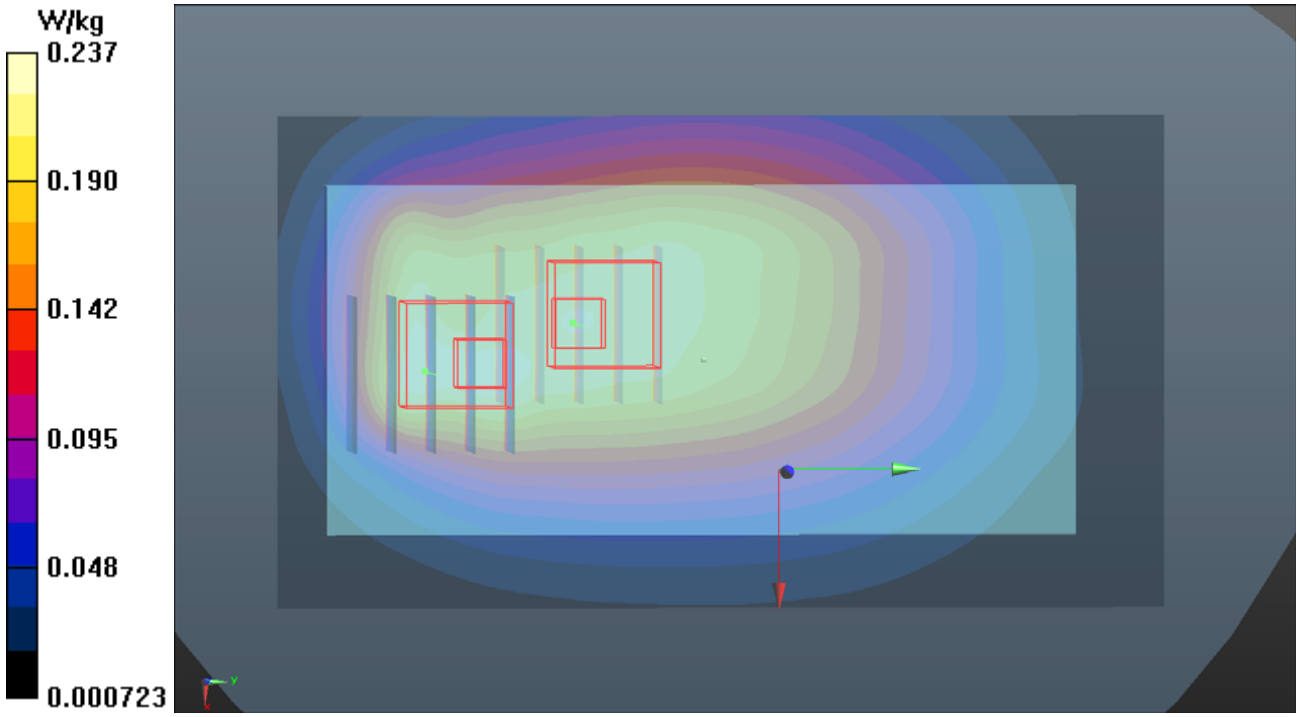
Communication System: LTE; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: B06T09N1_1128 Medium parameters used: f = 711 MHz; σ = 0.924 S/m; ε_r = 56.804; ρ = 1000 kg/m^3
Ambient Temperature：23.9 ℃ ； Liquid Temperature：23.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7472; ConvF(10.66, 10.66, 10.66); Calibrated: 2018/08/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2018/05/30
- Phantom: Twin SAM Phantom_1652; Type: QD000P40;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

- Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.237 W/kg

- Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.18 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.249 W/kg
SAR(1 g) = 0.177 W/kg; SAR(10 g) = 0.131 W/kg
Maximum value of SAR (measured) = 0.221 W/kg

- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.18 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.267 W/kg
SAR(1 g) = 0.163 W/kg; SAR(10 g) = 0.103 W/kg
Maximum value of SAR (measured) = 0.221 W/kg



Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2018/11/28

P32 LTE 13_QPSK10M_Rear Face_10mm_Ch23230_1RB_OS24_Sample1_Ant1

DUT: 181001C14

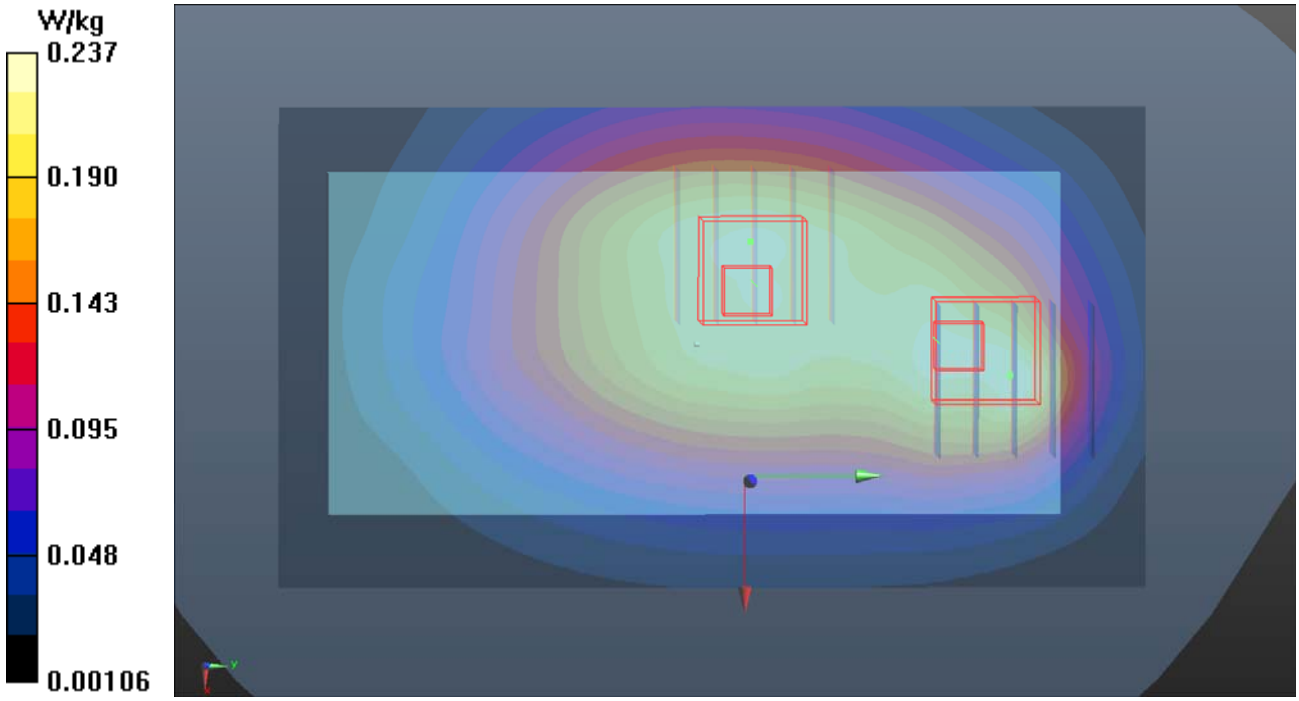
Communication System: LTE; Frequency: 782 MHz;Duty Cycle: 1:1
Medium: B06T09N1_1128 Medium parameters used: f = 782 MHz; σ = 0.99 S/m; ε_r = 56.114; ρ = 1000 kg/m^3
Ambient Temperature：23.9 ℃ ； Liquid Temperature：23.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7472; ConvF(10.66, 10.66, 10.66); Calibrated: 2018/08/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2018/05/30
- Phantom: Twin SAM Phantom_1652; Type: QD000P40;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

- Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.237 W/kg

- Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.56 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 0.253 W/kg
SAR(1 g) = 0.182 W/kg; SAR(10 g) = 0.135 W/kg
Maximum value of SAR (measured) = 0.227 W/kg

- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.56 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 0.257 W/kg
SAR(1 g) = 0.171 W/kg; SAR(10 g) = 0.112 W/kg
Maximum value of SAR (measured) = 0.224 W/kg



Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2018/11/27

P33 LTE 25_QPSK20M_Rear Face_10mm_Ch26365_1RB_OS0_Sample1_Ant1

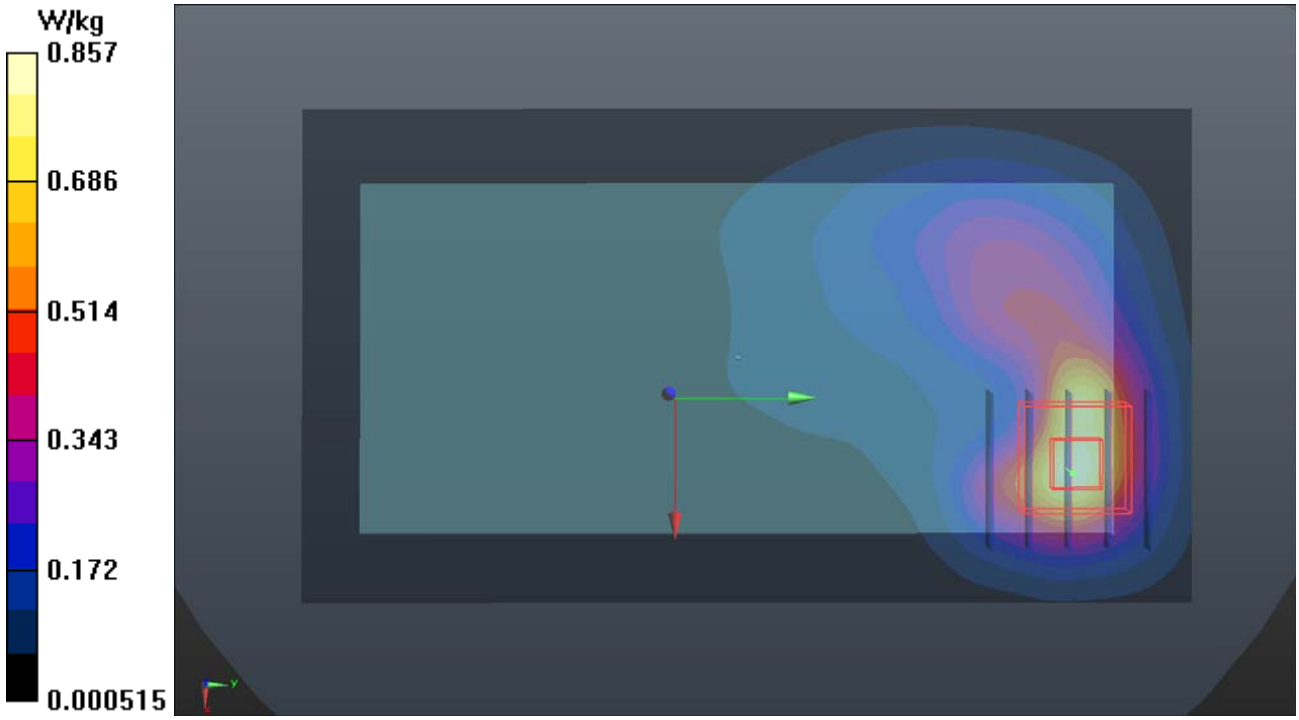
DUT: 181001C14

Communication System: LTE; Frequency: 1882.5 MHz;Duty Cycle: 1:1
Medium: B16T20N1_1127 Medium parameters used: f = 1882.5 MHz; σ = 1.548 S/m; ε_r = 51.035; ρ = 1000 kg/m^3
Ambient Temperature：23.8 ℃ ； Liquid Temperature：23.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7472; ConvF(8.07, 8.07, 8.07); Calibrated: 2018/08/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2018/05/30
- Phantom: Twin SAM Phantom_1652; Type: QD000P40;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

- Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.857 W/kg

- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 22.89 V/m; Power Drift = -0.17 dB
Peak SAR (extrapolated) = 1.08 W/kg
SAR(1 g) = 0.585 W/kg; SAR(10 g) = 0.310 W/kg
Maximum value of SAR (measured) = 0.896 W/kg



Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2018/11/28

P34 LTE 26_QPSK15M_Rear Face_10mm_Ch26865_1RB_OS0_Sample1_Ant1

DUT: 181001C14

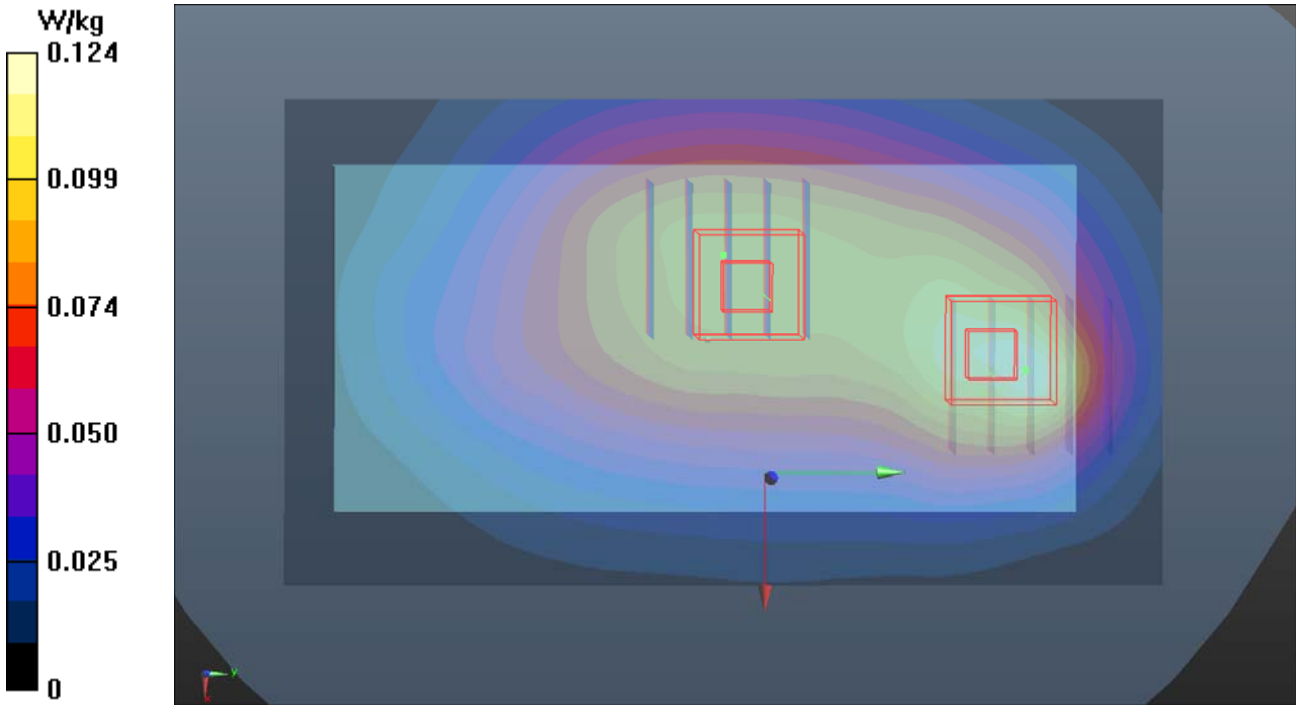
Communication System: LTE; Frequency: 831.5 MHz;Duty Cycle: 1:1
Medium: B07T10N1_1128 Medium parameters used: f = 831.5 MHz; σ = 0.969 S/m; ε_r = 57.741; ρ = 1000 kg/m^3
Ambient Temperature：23.9 ℃ ； Liquid Temperature：23.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7472; ConvF(10.35, 10.35, 10.35); Calibrated: 2018/08/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2018/05/30
- Phantom: Twin SAM Phantom_1652; Type: QD000P40;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

- Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.124 W/kg

- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.33 V/m; Power Drift = -0.18 dB
Peak SAR (extrapolated) = 0.127 W/kg
SAR(1 g) = 0.082 W/kg; SAR(10 g) = 0.055 W/kg
Maximum value of SAR (measured) = 0.108 W/kg

- Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.33 V/m; Power Drift = -0.18 dB
Peak SAR (extrapolated) = 0.105 W/kg
SAR(1 g) = 0.076 W/kg; SAR(10 g) = 0.057 W/kg
Maximum value of SAR (measured) = 0.0945 W/kg



Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2018/11/29

P35 LTE 38_QPSK20M_Rear Face_10mm_Ch38150_1RB_OS99_Sample1_Ant3

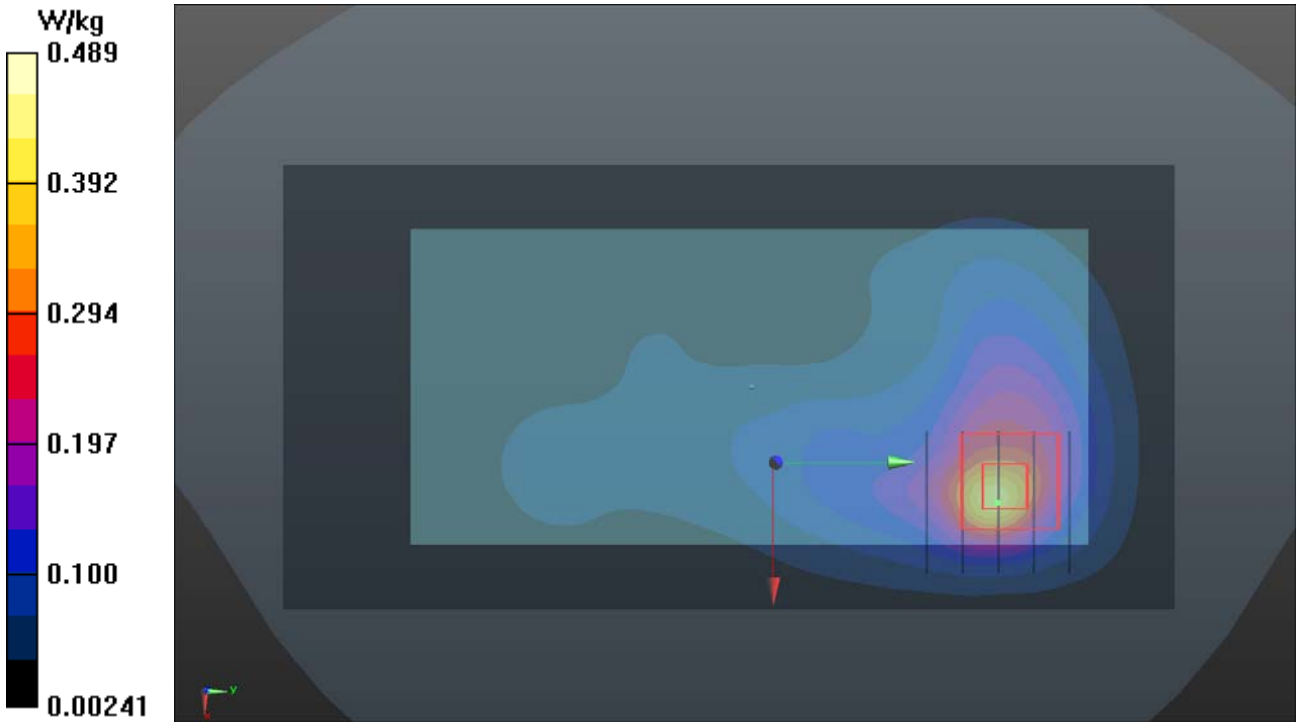
DUT: 181001C14

Communication System: LTE TDD CF0; Frequency: 2610 MHz;Duty Cycle: 1:1.58
Medium: B19T27N3_1129 Medium parameters used : f = 2610 MHz; σ = 2.165 S/m; ε_r = 50.694; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃ ； Liquid Temperature：23.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7472; ConvF(7.7, 7.7, 7.7) ; Calibrated: 2018/08/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2018/05/30
- Phantom: Twin SAM Phantom_1652; 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) = 0.418 W/kg

- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.05 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.653 W/kg
SAR(1 g) = 0.308 W/kg; SAR(10 g) = 0.111 W/kg
Maximum value of SAR (measured) = 0.489 W/kg



P36 LTE 41_QPSK20M_Rear Face_10mm_Ch40185_1RB_OS0_Sample1_Ant3

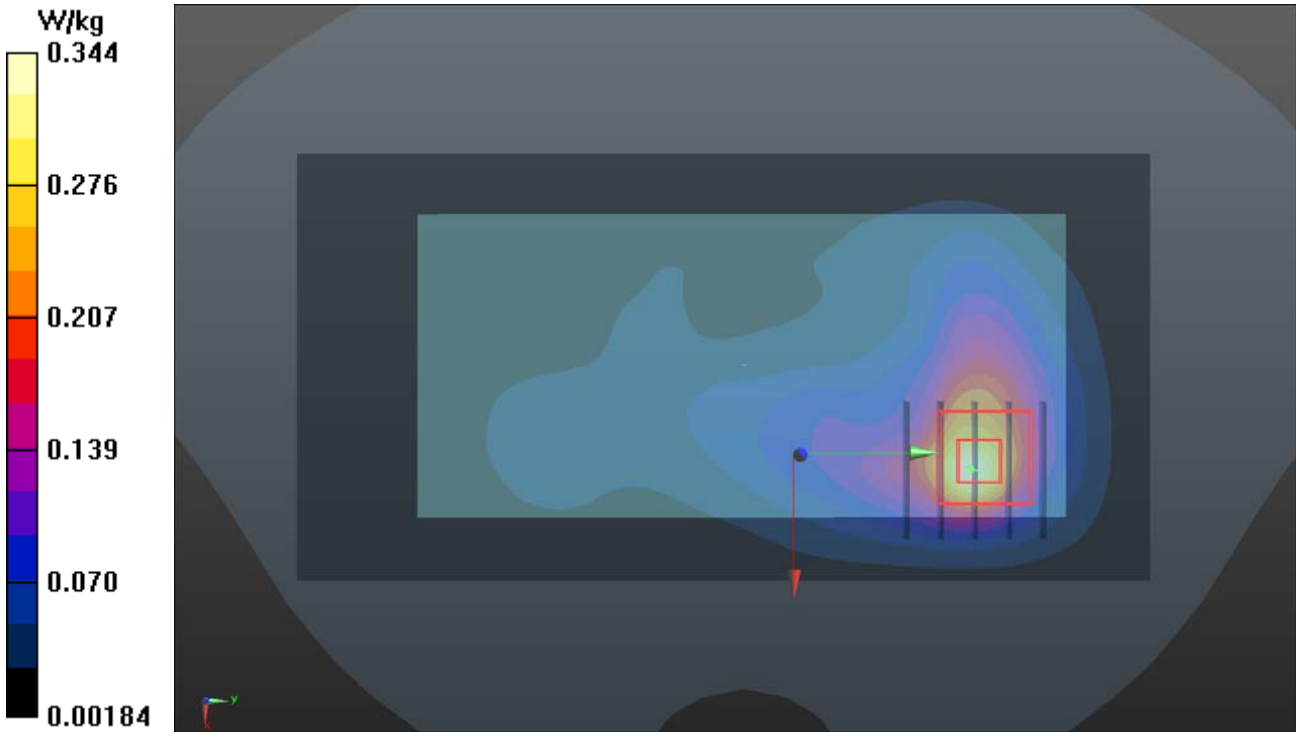
DUT: 181001C14

Communication System: LTE TDD CF0; Frequency: 2549.5 MHz;Duty Cycle: 1:1.58
Medium: B19T27N3_1129 Medium parameters used: f = 2550 MHz; σ = 2.087 S/m; ε_r = 50.998; ρ = 1000 kg/m^3
Ambient Temperature：23.9 ℃ ； Liquid Temperature：23.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7472; ConvF(7.7, 7.7, 7.7); Calibrated: 2018/08/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2018/05/30
- Phantom: Twin SAM Phantom_1652; 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) = 0.344 W/kg

- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.71 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 0.569 W/kg
SAR(1 g) = 0.267 W/kg; SAR(10 g) = 0.117 W/kg
Maximum value of SAR (measured) = 0.443 W/kg



P37 LTE 66_QPSK20M_Rear Face_10mm_Ch132572_1RB_OS50_Sample1_Ant0

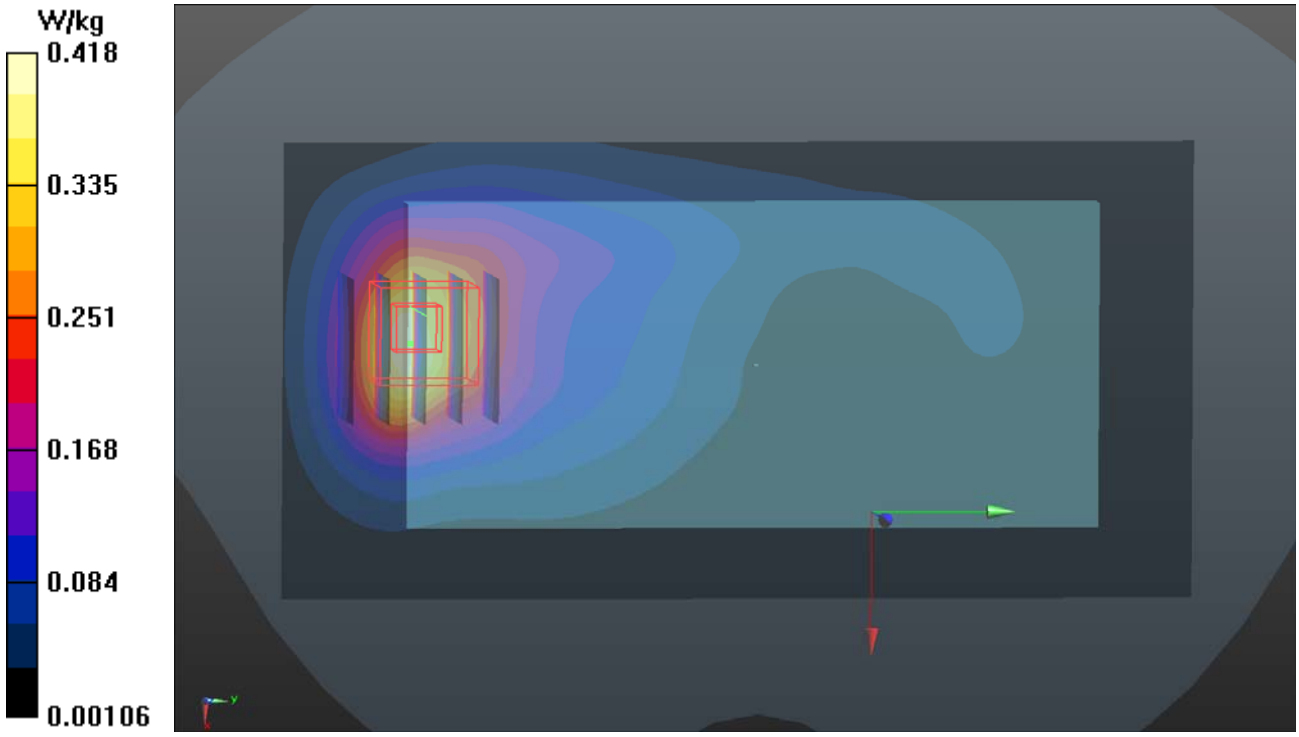
DUT: 181001C14

Communication System: LTE; Frequency: 1770 MHz;Duty Cycle: 1:1
Medium: B16T20N1_1129 Medium parameters used: f = 1770 MHz; σ = 1.455 S/m; ε_r = 53.34; ρ = 1000 kg/m^3
Ambient Temperature：23.9 ℃ ； Liquid Temperature：23.4 ℃

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 Sn861; Calibrated: 2018/05/30
- Phantom: Twin SAM Phantom_1652; 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) = 0.418 W/kg

- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.17 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.605 W/kg
SAR(1 g) = 0.349 W/kg; SAR(10 g) = 0.191 W/kg
Maximum value of SAR (measured) = 0.503 W/kg



Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab Date: 2018/11/16

P38 WLAN2.4G_802.11b_Rear Face_Ch1_Sample1_Ant0+1

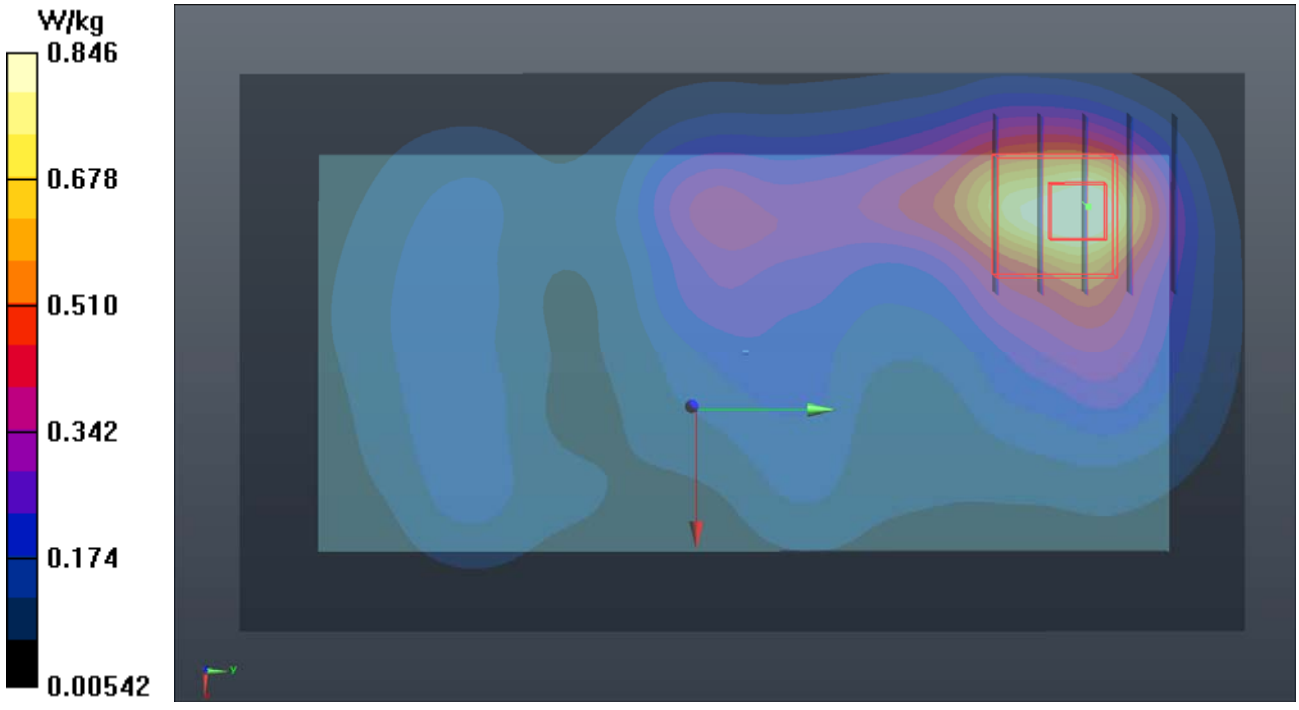
DUT: 181001C14

Communication System: WLAN_2.4G; Frequency: 2412 MHz;Duty Cycle: 1:1.01
Medium: B19T27N1_1116 Medium parameters used: f = 2412 MHz; σ = 1.951 S/m; ε_r = 51.478; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃ ； Liquid Temperature：23.3 ℃

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 (91x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.892 W/kg

- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.77 V/m; Power Drift = -0.16 dB
Peak SAR (extrapolated) = 1.06 W/kg
SAR(1 g) = 0.525 W/kg; SAR(10 g) = 0.258 W/kg
Maximum value of SAR (measured) = 0.846 W/kg



P39 WLAN5.3G_802.11ac VHT80_Rear Face_10mm_Ch58_Sample1_Ant1

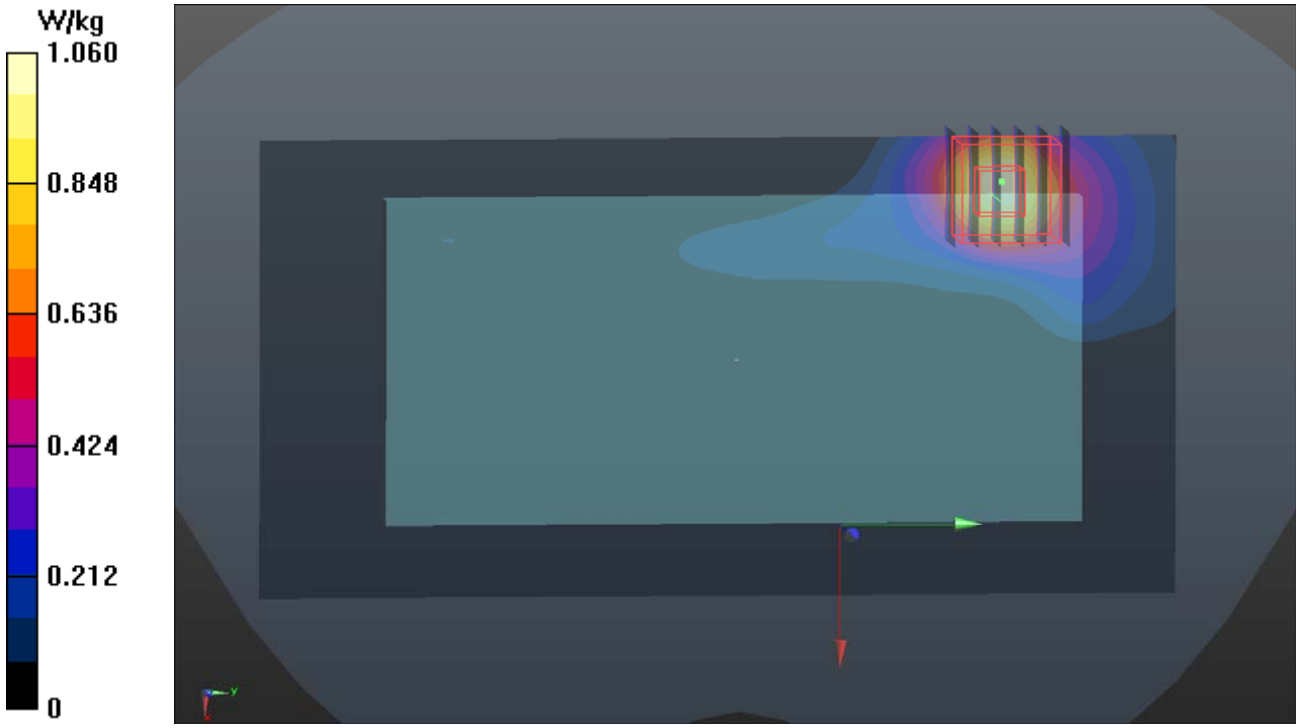
DUT: 181001C14

Communication System: WLAN_5G; Frequency: 5290 MHz;Duty Cycle: 1:1.09
Medium: B34T60N1_1129 Medium parameters used: f = 5290 MHz; σ = 5.436 S/m; ε_r = 46.896; ρ = 1000 kg/m^3
Ambient Temperature：23.9 ℃ ； Liquid Temperature：23.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7472; ConvF(4.9, 4.9, 4.9); Calibrated: 2018/08/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2018/05/30
- Phantom: Twin SAM Phantom_1652; 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) = 1.06 W/kg

- Zoom Scan (6x6x12)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=2mm
Reference Value = 13.84 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 2.30 W/kg
SAR(1 g) = 0.665 W/kg; SAR(10 g) = 0.243 W/kg
Maximum value of SAR (measured) = 1.47 W/kg



P40 WLAN5.6G_802.11ac VHT80_Rear Face_10mm_Ch138_Sample1_Ant0+1

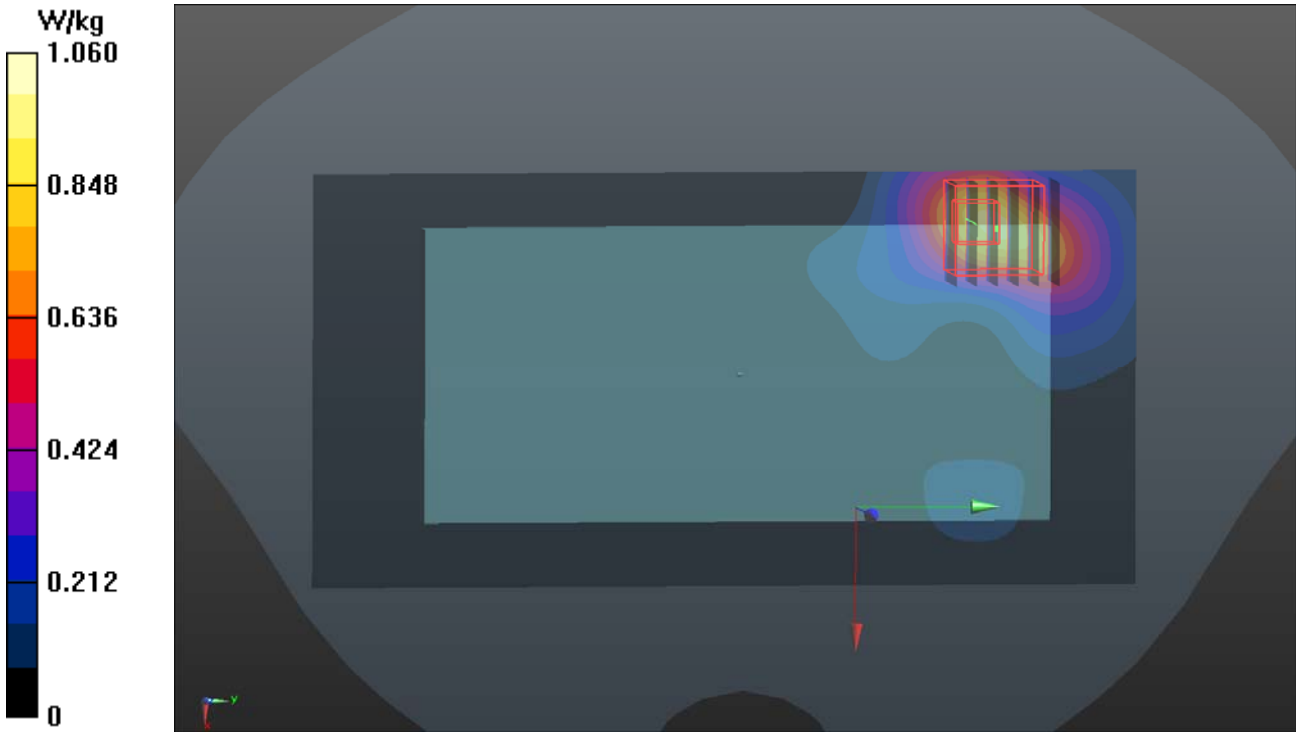
DUT: 181001C14

Communication System: WLAN_5G; Frequency: 5690 MHz;Duty Cycle: 1:1.1
Medium: B34T60N1_1129 Medium parameters used: f = 5690 MHz; σ = 5.942 S/m; ε_r = 46.161; ρ = 1000 kg/m^3
Ambient Temperature：23.9 ℃ ； Liquid Temperature：23.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7472; ConvF(4.56, 4.56, 4.56); Calibrated: 2018/08/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2018/05/30
- Phantom: Twin SAM Phantom_1652; 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) = 0.954 W/kg

- Zoom Scan (6x6x12)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=2mm
Reference Value = 12.41 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 1.75 W/kg
SAR(1 g) = 0.470 W/kg; SAR(10 g) = 0.183 W/kg
Maximum value of SAR (measured) = 1.06 W/kg



P41 WLAN5.8G_802.11ac VHT80_Rear Face_10mm_Ch155_Sample1_Ant0+1

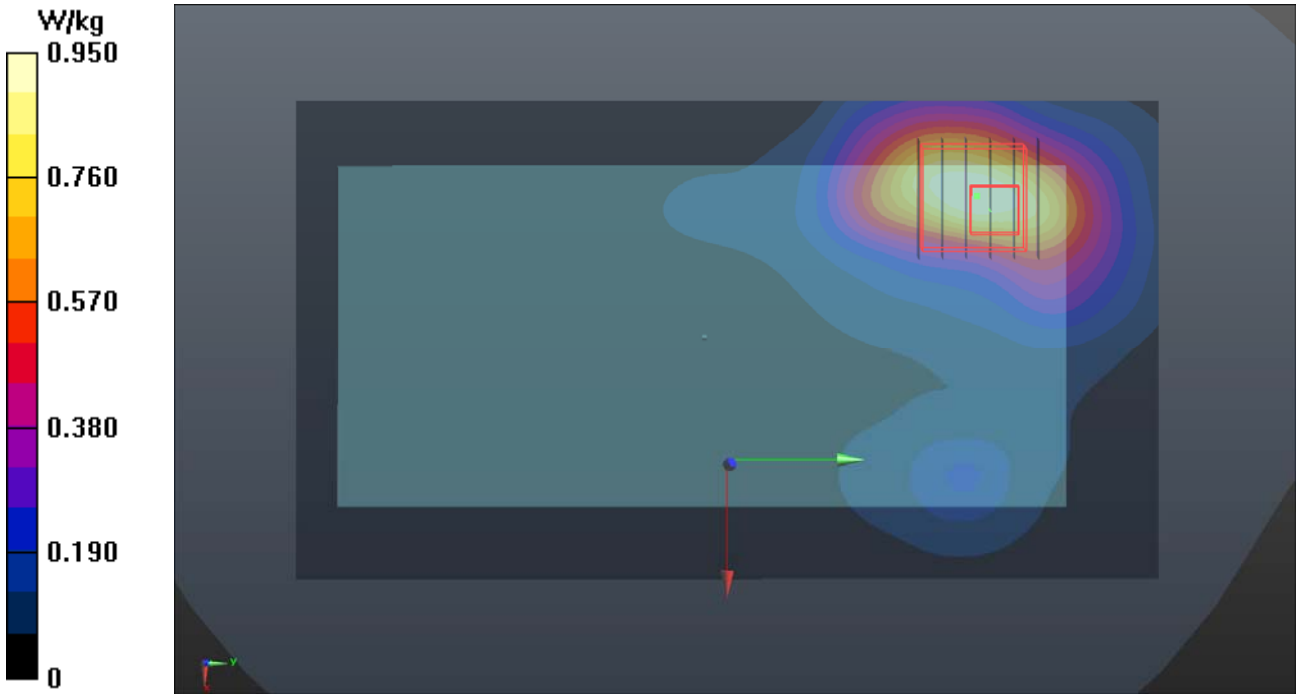
DUT: 181001C14

Communication System: WLAN_5G; Frequency: 5775 MHz;Duty Cycle: 1:1.1
Medium: B34T60N1_1205 Medium parameters used: f = 5775 MHz; σ = 5.956 S/m; ε_r = 47.528; ρ = 1000 kg/m^3
Ambient Temperature：23.8 ℃ ； Liquid Temperature：23.1 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3971; ConvF(4.22, 4.22, 4.22); Calibrated: 2018/03/26
- 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 (101x181x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.950 W/kg

- Zoom Scan (6x6x12)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=2mm
Reference Value = 14.05 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 1.57 W/kg
SAR(1 g) = 0.391 W/kg; SAR(10 g) = 0.159 W/kg
Maximum value of SAR (measured) = 0.926 W/kg



P42 BT_BDR_Rear Face_10mm_Ch39_Sample1_Ant0

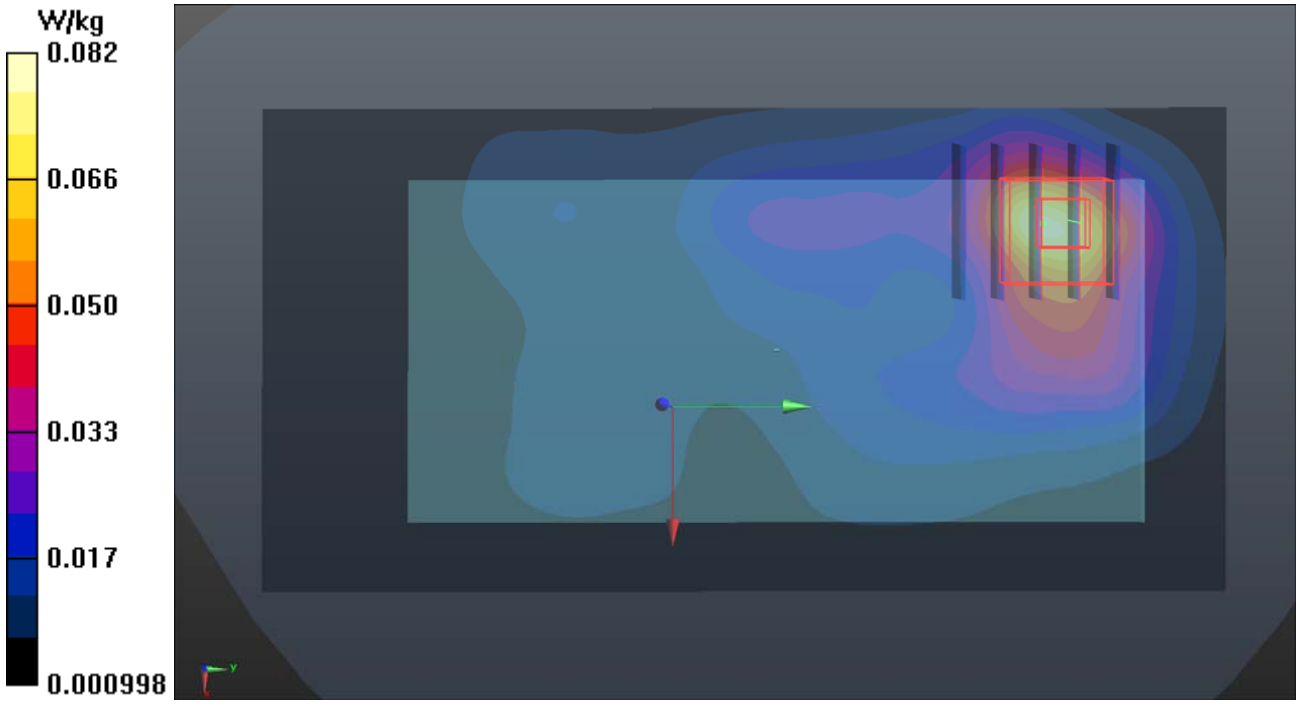
DUT: 181001C14

Communication System: BT; Frequency: 2441 MHz;Duty Cycle: 1:1.3
Medium: B19T27N3_1129 Medium parameters used: f = 2441 MHz; σ = 1.957 S/m; ε_r = 51.458; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃ ； Liquid Temperature：23.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7472; ConvF(7.84, 7.84, 7.84); Calibrated: 2018/08/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2018/05/30
- Phantom: Twin SAM Phantom_1652; 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) = 0.0790 W/kg

- Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.328 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.107 W/kg
SAR(1 g) = 0.074 W/kg; SAR(10 g) = 0.023 W/kg
Maximum value of SAR (measured) = 0.0822 W/kg



P43 WLAN5.2G_802.11ac VHT80_Rear Face_Ch42_Sample1_Ant1

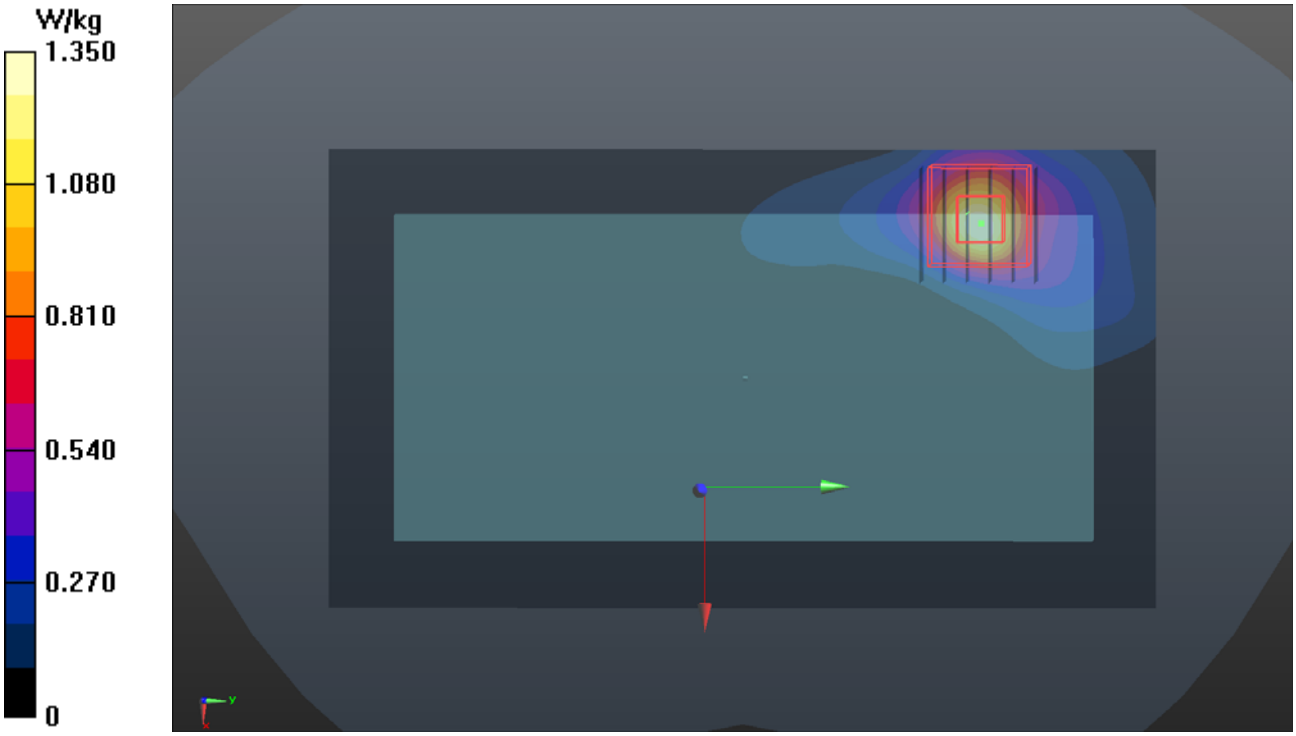
DUT: 181001C14

Communication System: WLAN_5G; Frequency: 5210 MHz;Duty Cycle: 1:1.09
Medium: B34T60N1_1116 Medium parameters used: f = 5210 MHz; σ = 5.265 S/m; ε_r = 51.096; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃ ； Liquid Temperature：23.1 ℃

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 (101x181x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 1.35 W/kg

- Zoom Scan (6x6x12)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=2mm
Reference Value = 17.72 V/m; Power Drift = 0.16 dB
Peak SAR (extrapolated) = 2.32 W/kg
SAR(1 g) = 0.723 W/kg; SAR(10 g) = 0.261 W/kg
Maximum value of SAR (measured) = 1.52 W/kg



P44 WLAN5.8G_802.11ac VHT80_Right Side_Ch155_Sample1_Ant1

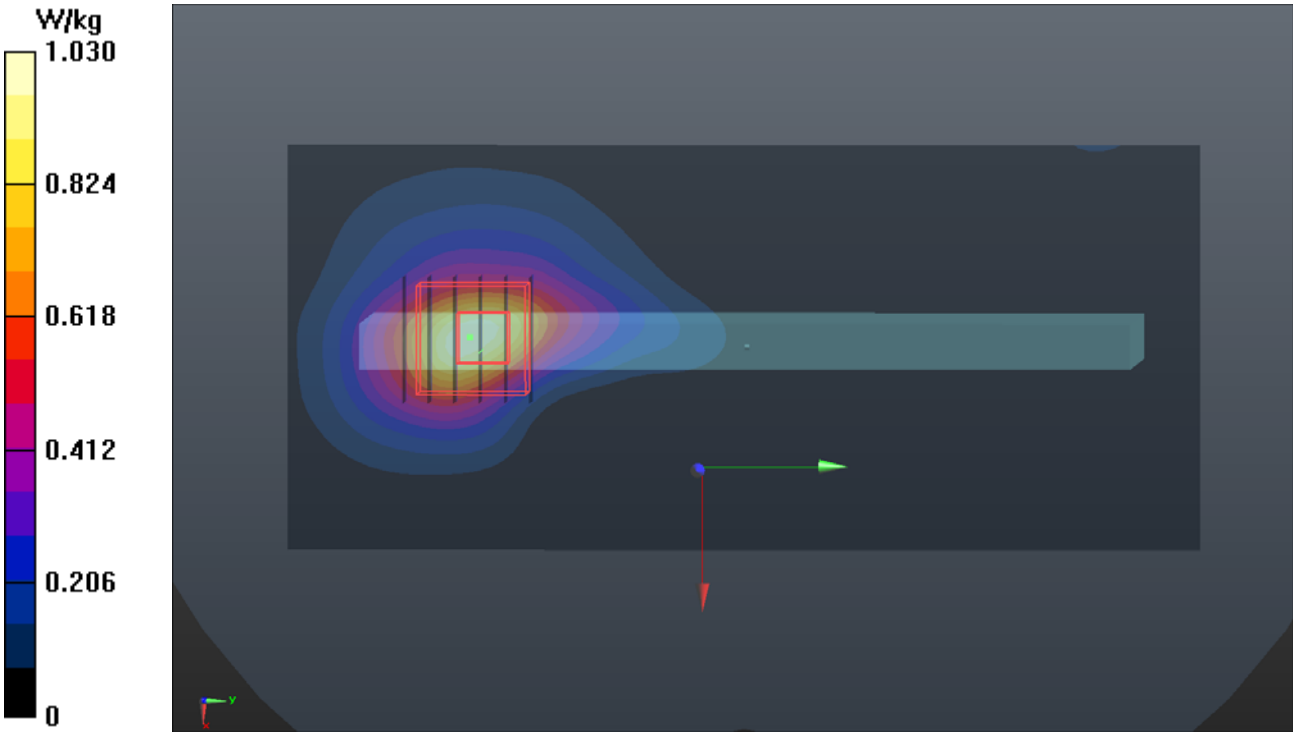
DUT: 181001C14

Communication System: WLAN_5G; Frequency: 5775 MHz;Duty Cycle: 1:1.09
Medium: B34T60N1_1116 Medium parameters used: f = 5775 MHz; σ = 6.2 S/m; ε_r = 49.992; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃ ； Liquid Temperature：23.1 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3898; ConvF(4.45, 4.45, 4.45); 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 (81x181x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 1.03 W/kg

- Zoom Scan (6x6x12)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=2mm
Reference Value = 14.36 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 1.60 W/kg
SAR(1 g) = 0.426 W/kg; SAR(10 g) = 0.162 W/kg
Maximum value of SAR (measured) = 0.927 W/kg



P45 WLAN5.3G_802.11ac VHT80_Rear Face_0mm_Ch58_Sample1_Ant0+1

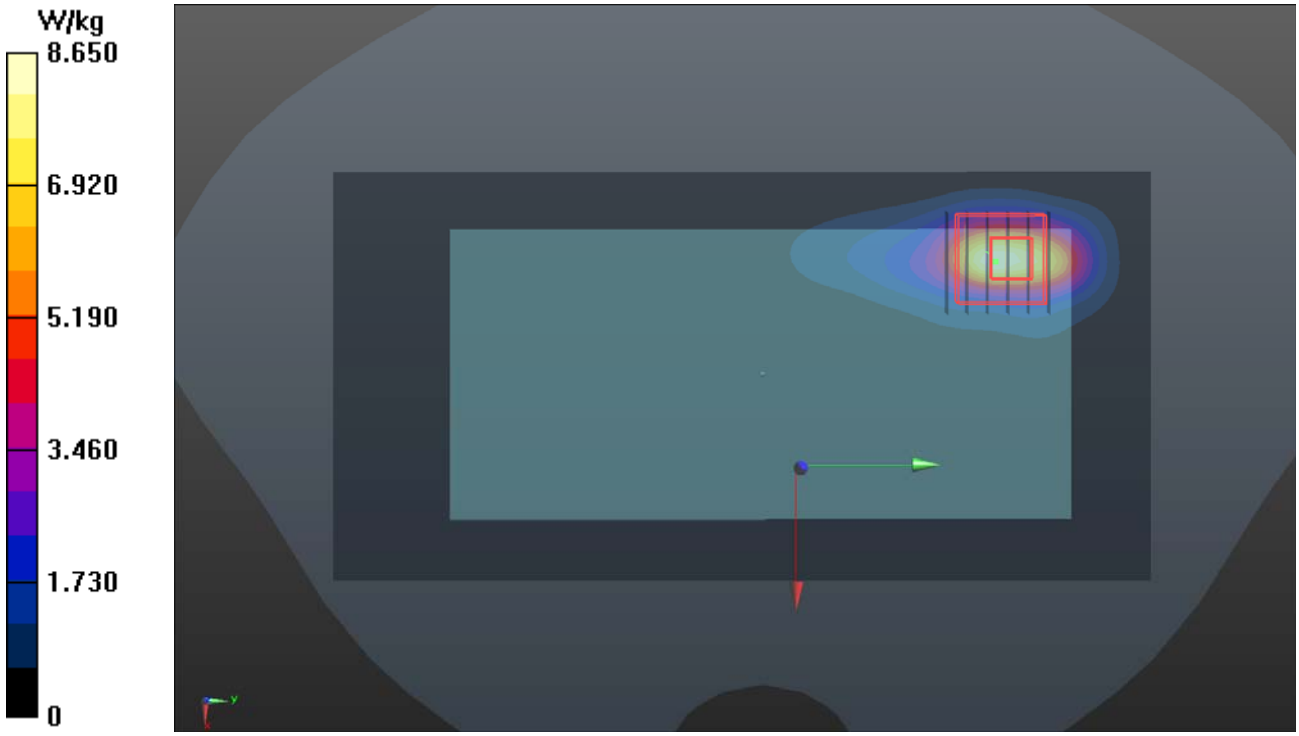
DUT: 181001C14

Communication System: WLAN_5G; Frequency: 5290 MHz;Duty Cycle: 1:1.1
Medium: B34T60N1_1129 Medium parameters used: f = 5290 MHz; σ = 5.436 S/m; ε_r = 46.896; ρ = 1000 kg/m^3
Ambient Temperature：23.9 ℃ ； Liquid Temperature：23.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7472; ConvF(4.9, 4.9, 4.9); Calibrated: 2018/08/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2018/05/30
- Phantom: Twin SAM Phantom_1652; 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) = 8.65 W/kg

- Zoom Scan (6x6x12)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=2mm
Reference Value = 44.70 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 14.9 W/kg
SAR(1 g) = 4.31 W/kg; SAR(10 g) = 1.46 W/kg
Maximum value of SAR (measured) = 8.54 W/kg



P46 WLAN5.6G_802.11ac VHT80_Rear Face_0mm_Ch138_Sample1_Ant0+1

DUT: 181001C14

Communication System: WLAN_5G; Frequency: 5690 MHz;Duty Cycle: 1:1.1
Medium: B34T60N1_1129 Medium parameters used: f = 5690 MHz; σ = 5.942 S/m; ε_r = 46.161; ρ = 1000 kg/m^3
Ambient Temperature：23.9 ℃ ； Liquid Temperature：23.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7472; ConvF(4.56, 4.56, 4.56); Calibrated: 2018/08/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2018/05/30
- Phantom: Twin SAM Phantom_1652; 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) = 9.34 W/kg

- Zoom Scan (6x6x12)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=2mm
Reference Value = 41.03 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 22.9 W/kg
SAR(1 g) = 4.88 W/kg; SAR(10 g) = 1.35 W/kg
Maximum value of SAR (measured) = 12.3 W/kg