SystemPerformanceCheck-D1900V2 SN 5d163

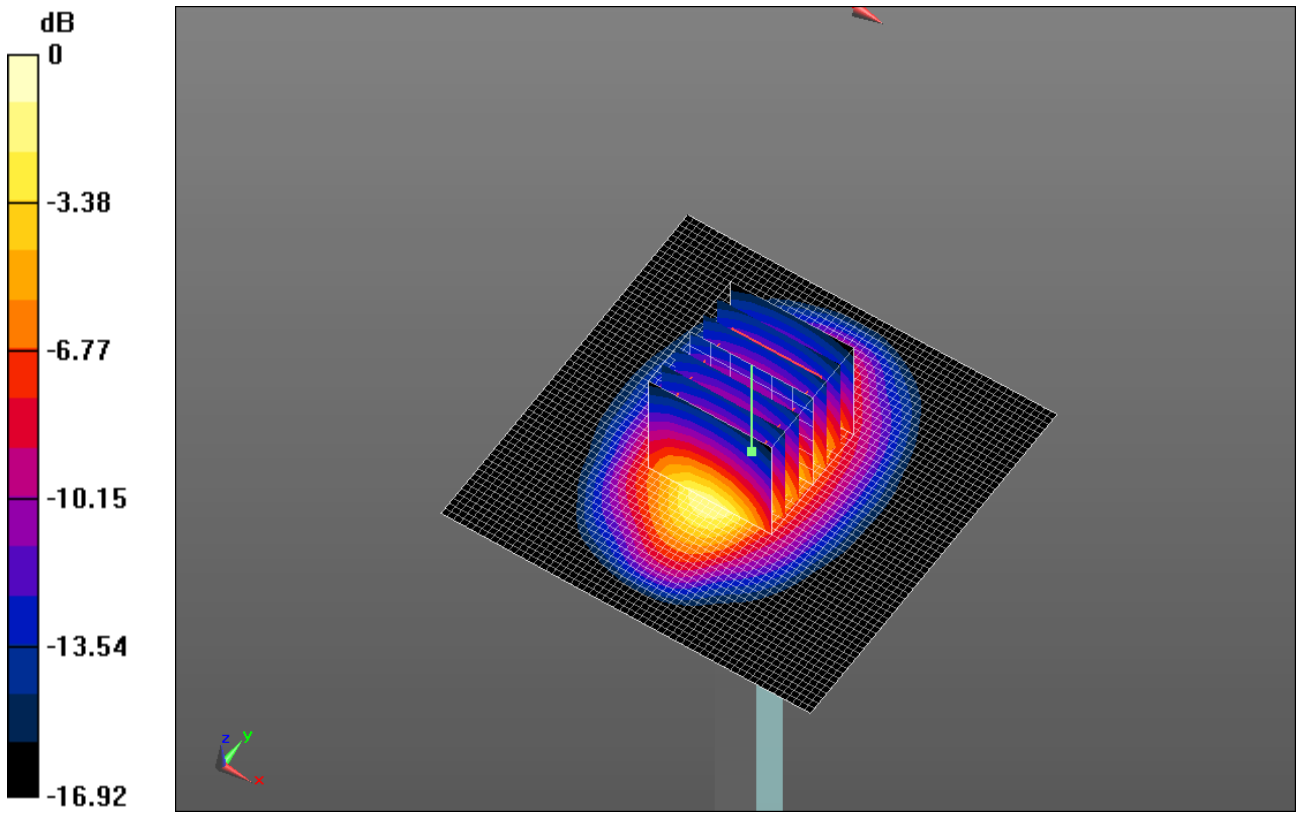
Frequency: 1900 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 1900 MHz; σ = 1.534 S/m; ε_r = 51.777; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Averaged Fast SAR: Polynomial fit
- Electronics: DAE3 Sn427; Calibrated: 1/21/2014
- Probe: EX3DV4 - SN3929; ConvF(7.28, 7.28, 7.28); Calibrated: 6/24/2013;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI-B v5.0; Type: QDOVA002AA; Serial: TP:1195

Body/Pin=100 mW 3/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 61.251 V/m; Power Drift = 0.05 dB
Fast SAR: SAR(1 g) = 4.3 W/kg; SAR(10 g) = 2.17 W/kg
Maximum value of SAR (interpolated) = 5.74 W/kg

Body/Pin=100 mW 3/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 61.251 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 7.67 W/kg
SAR(1 g) = 4.28 W/kg; SAR(10 g) = 2.25 W/kg
Maximum value of SAR (measured) = 5.74 W/kg

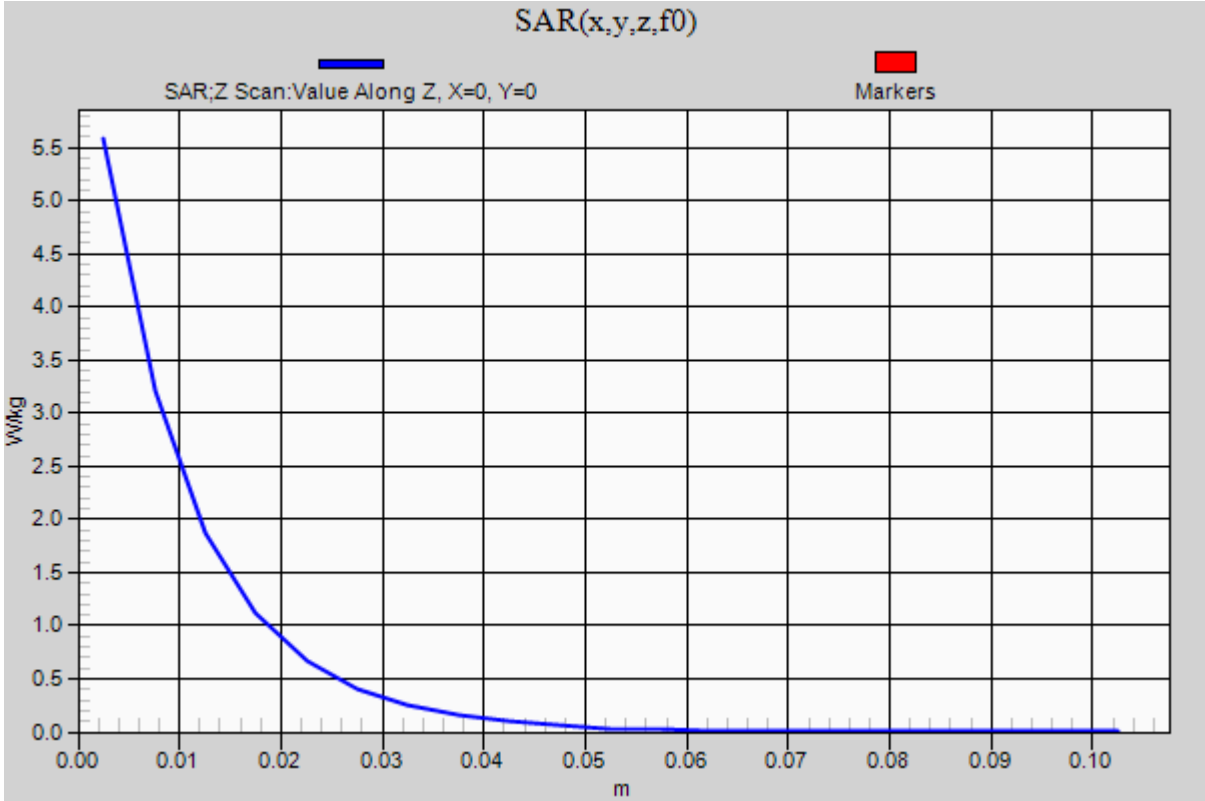


0 dB = 5.74 W/kg = 7.59 dBW/kg

SystemPerformanceCheck-D1900V2 SN 5d163

Frequency: 1900 MHz; Duty Cycle: 1:1

Body/Pin=100 mW 3/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 5.58 W/kg



20140325_SystemPerformanceCheck-D835V2 SN 4d142

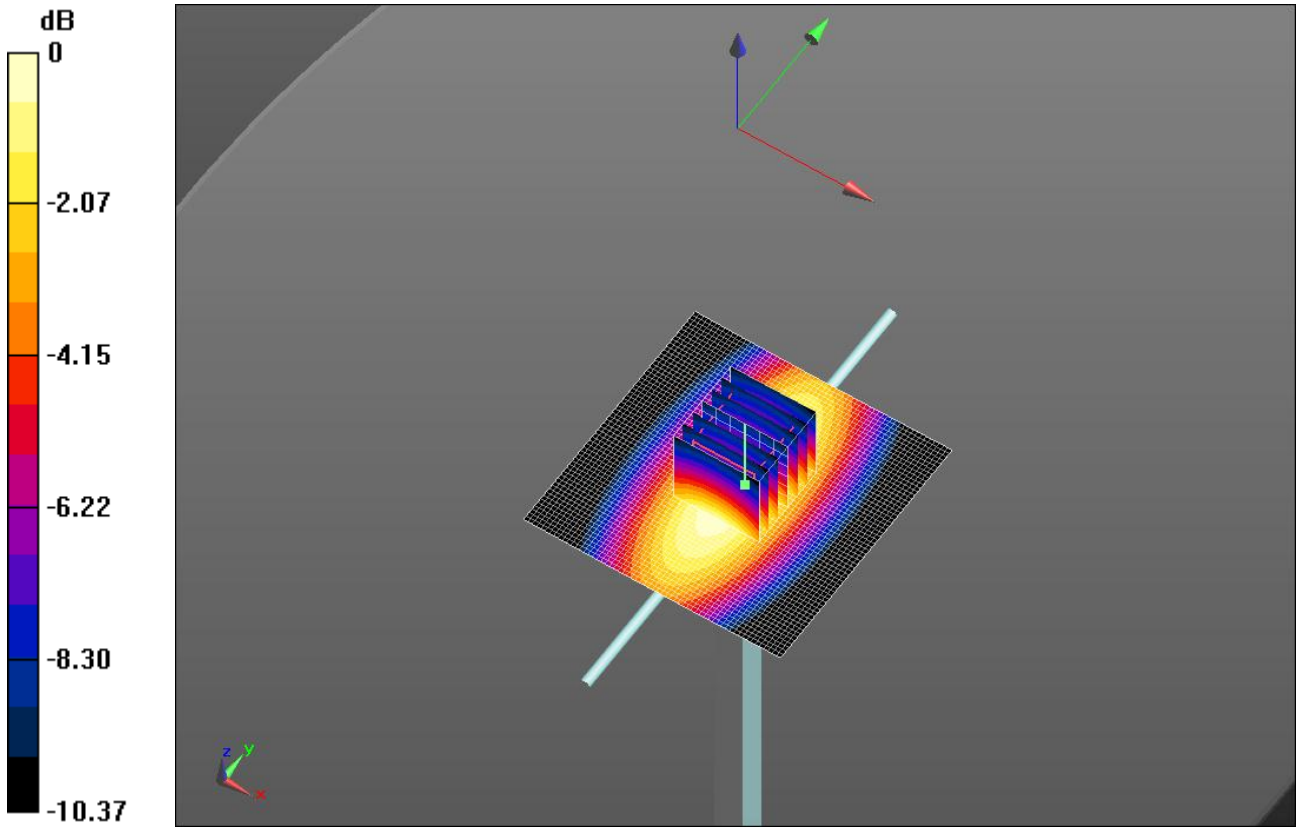
Frequency: 835 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 835 MHz; σ = 0.998 S/m; ε_r = 52.949; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Averaged Fast SAR: Polynomial fit
- Electronics: DAE3 Sn427; Calibrated: 1/21/2014
- Probe: EX3DV4 - SN3929; ConvF(9.21, 9.21, 9.21); Calibrated: 6/24/2013;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI-A v5.0; Type: QDOVA002AA; Serial: TP 1194

Body/Pin=100 mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 35.266 V/m; Power Drift = -0.21 dB
Fast SAR: SAR(1 g) = 1 W/kg; SAR(10 g) = 0.670 W/kg
Maximum value of SAR (interpolated) = 1.19 W/kg

Body/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 35.266 V/m; Power Drift = -0.21 dB
Peak SAR (extrapolated) = 1.44 W/kg
SAR(1 g) = 0.967 W/kg; SAR(10 g) = 0.636 W/kg
Maximum value of SAR (measured) = 1.17 W/kg

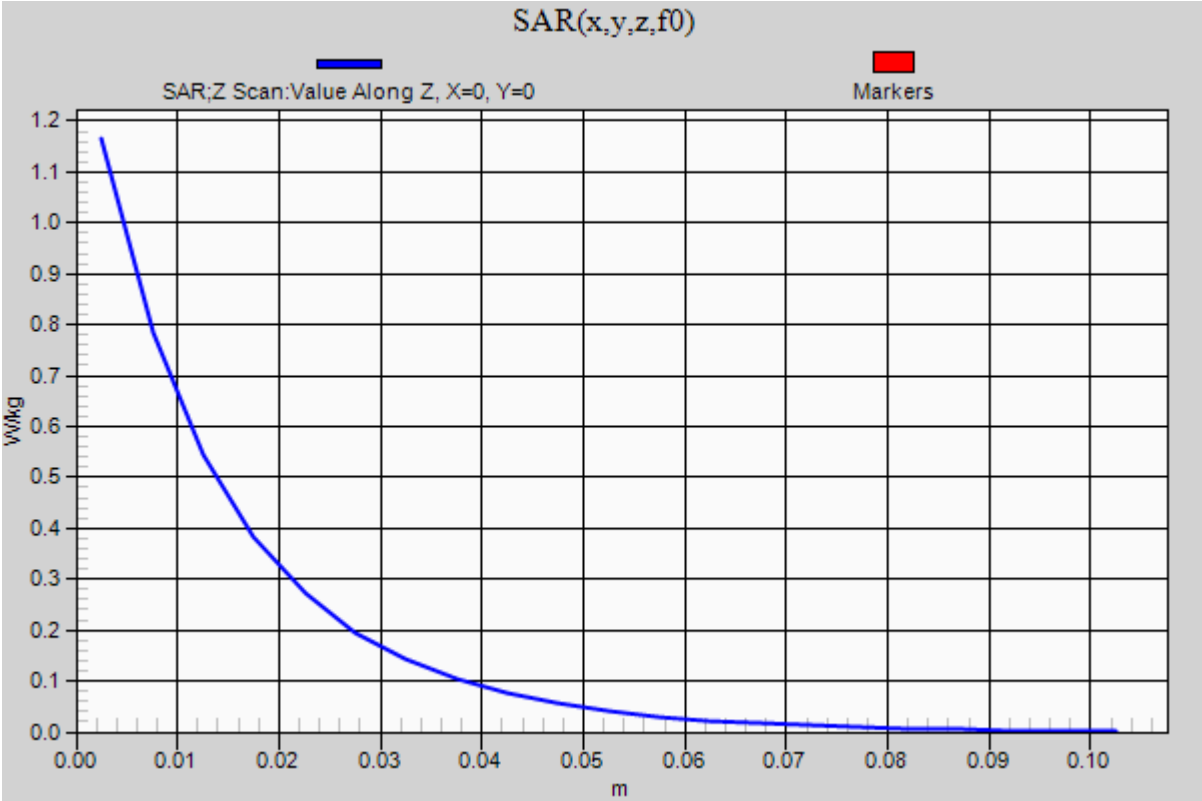


0 dB = 1.17 W/kg = 0.68 dBW/kg

20140325_SystemPerformanceCheck-D835V2 SN 4d142

Frequency: 835 MHz; Duty Cycle: 1:1

Body/Pin=100 mW/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 1.17 W/kg

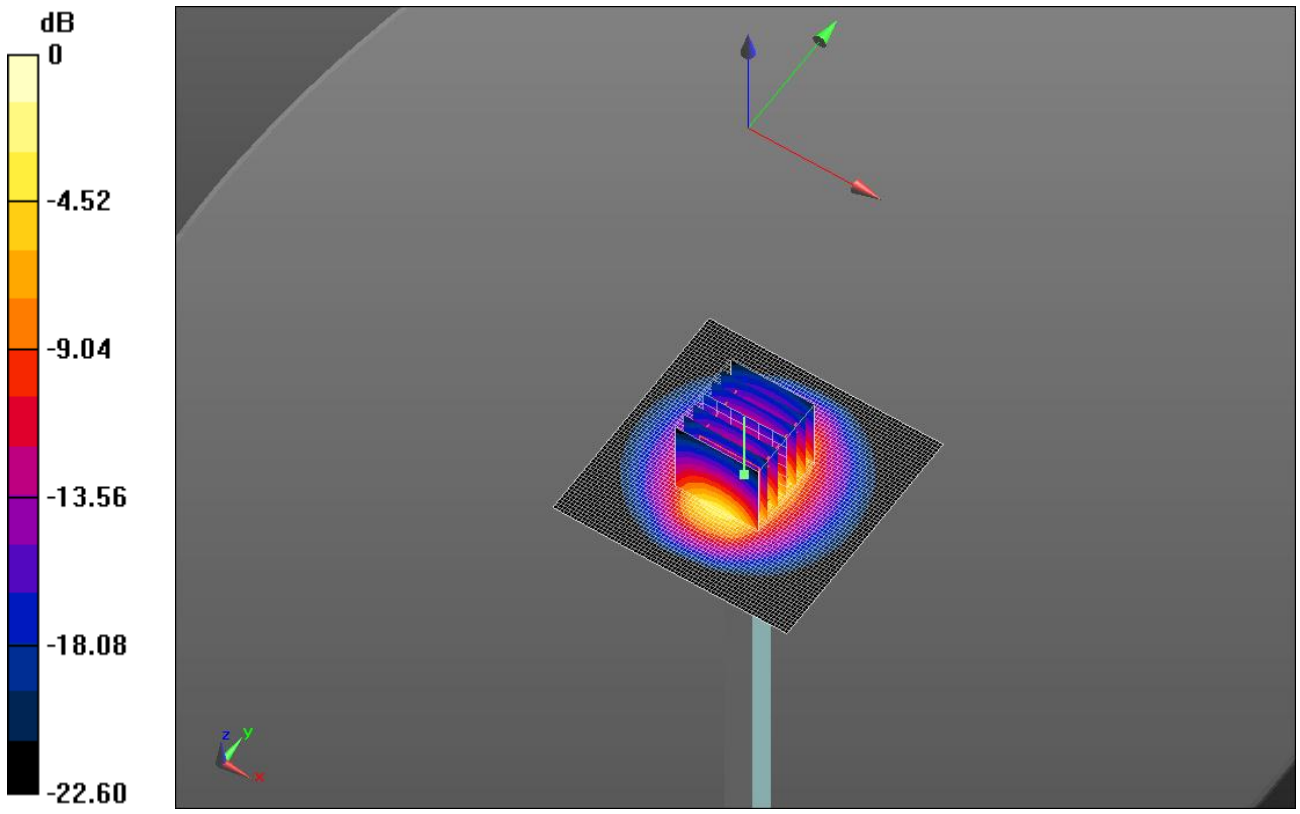


20140324 SystemPerformanceCheck-D2450V2 SN 706

Frequency: 2450 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 2450 MHz; σ = 1.987 S/m; ε_r = 50.8; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Averaged Fast SAR: Polynomial fit
- Electronics: DAE4 Sn1377; Calibrated: 7/15/2013
- Probe: EX3DV4 - SN3902; ConvF(7.2, 7.2, 7.2); Calibrated: 7/12/2013;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI-B v5.0; Type: QDOVA001BB; Serial: 1215

Body/Pin=100 mW/Area Scan (71x71x1): **Interpolated grid: dx=1.200 mm, dy=1.200 mm**
Reference Value = 61.752 V/m; Power Drift = 0.10 dB
Fast SAR: SAR(1 g) = 5.33 W/kg; SAR(10 g) = 2.31 W/kg
Maximum value of SAR (interpolated) = 7.78 W/kg

Body/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0: **Measurement grid: dx=5mm, dy=5mm, dz=5mm**
Reference Value = 61.752 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 11.1 W/kg
SAR(1 g) = 5.32 W/kg; SAR(10 g) = 2.46 W/kg
Maximum value of SAR (measured) = 7.55 W/kg

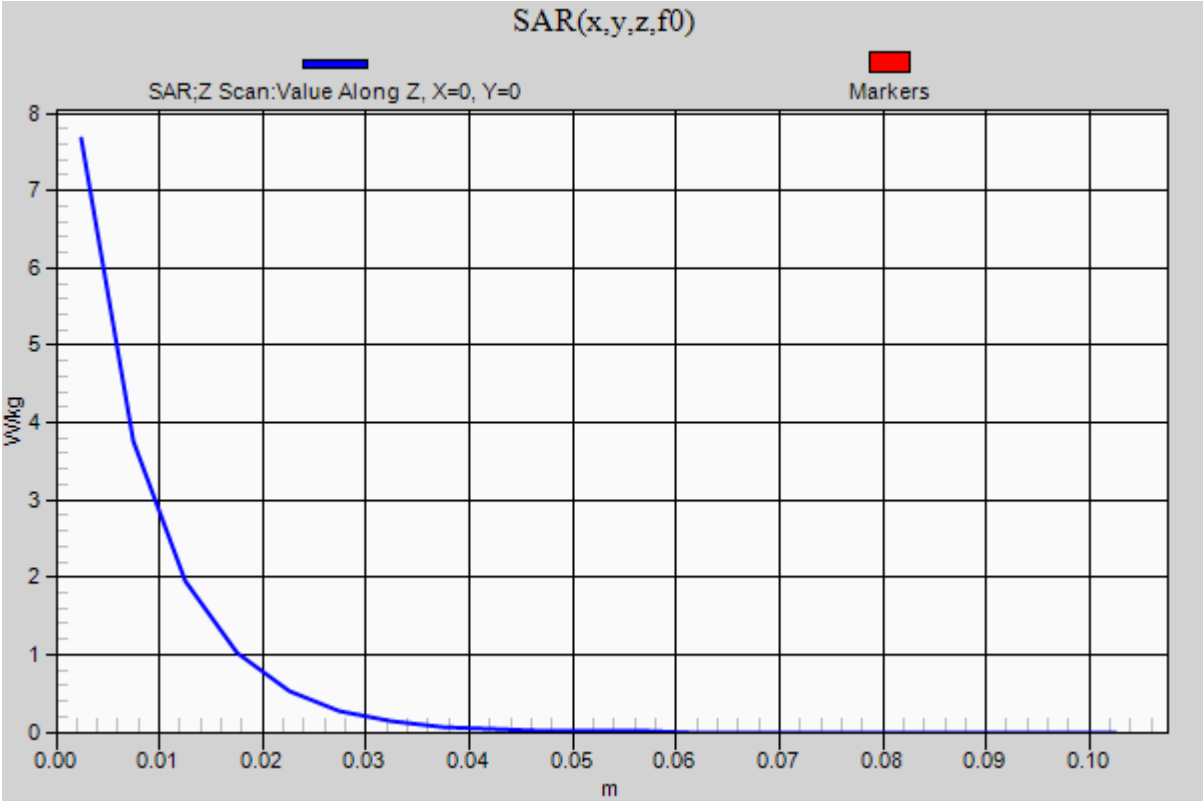


0 dB = 7.55 W/kg = 8.78 dBW/kg

20140324 SystemPerformanceCheck-D2450V2 SN 706

Frequency: 2450 MHz; Duty Cycle: 1:1

Body/Pin=100 mW/Z Scan (1x1x21): **Measurement grid: dx=20mm, dy=20mm, dz=5mm**
Maximum value of SAR (measured) = 7.67 W/kg



20140326_SystemPerformanceCheck-D835V2 SN 4d142

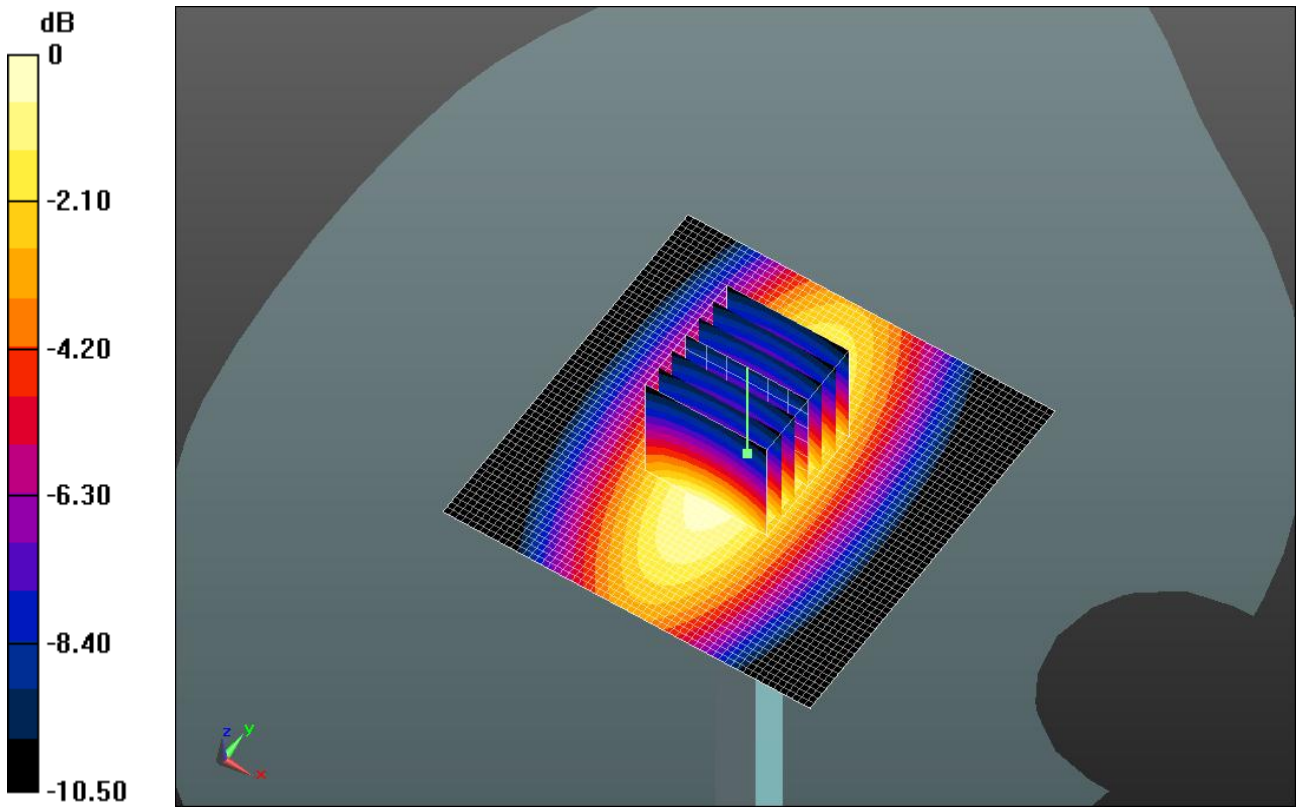
Frequency: 835 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 835 MHz; σ = 0.905 S/m; ε_r = 40.613; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Averaged Fast SAR: Polynomial fit
- Electronics: DAE4 Sn1380; Calibrated: 7/15/2013
- Probe: EX3DV4 - SN3936; ConvF(9.45, 9.45, 9.45); Calibrated: 7/22/2013;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM with CRP; Type: QD000P40CD; Serial: S/n:1772

Head/Pin=100 mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Reference Value = 35.827 V/m; Power Drift = 0.01 dB
Fast SAR: SAR(1 g) = 0.978 W/kg; SAR(10 g) = 0.658 W/kg
Maximum value of SAR (interpolated) = 1.16 W/kg

Head/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 35.827 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 1.44 W/kg
SAR(1 g) = 0.947 W/kg; SAR(10 g) = 0.620 W/kg
Maximum value of SAR (measured) = 1.16 W/kg

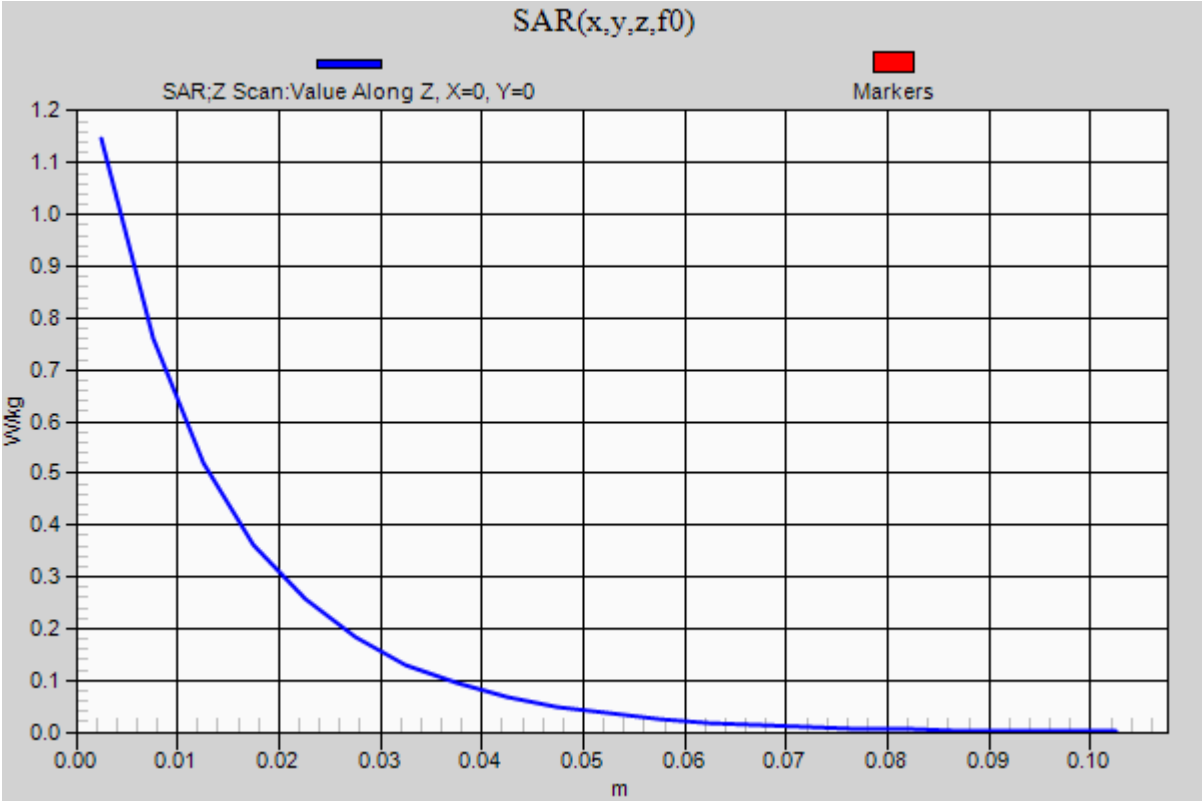


0 dB = 1.16 W/kg = 0.64 dBW/kg

20140326_SystemPerformanceCheck-D835V2 SN 4d142

Frequency: 835 MHz; Duty Cycle: 1:1

Head/Pin=100 mW/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 1.15 W/kg

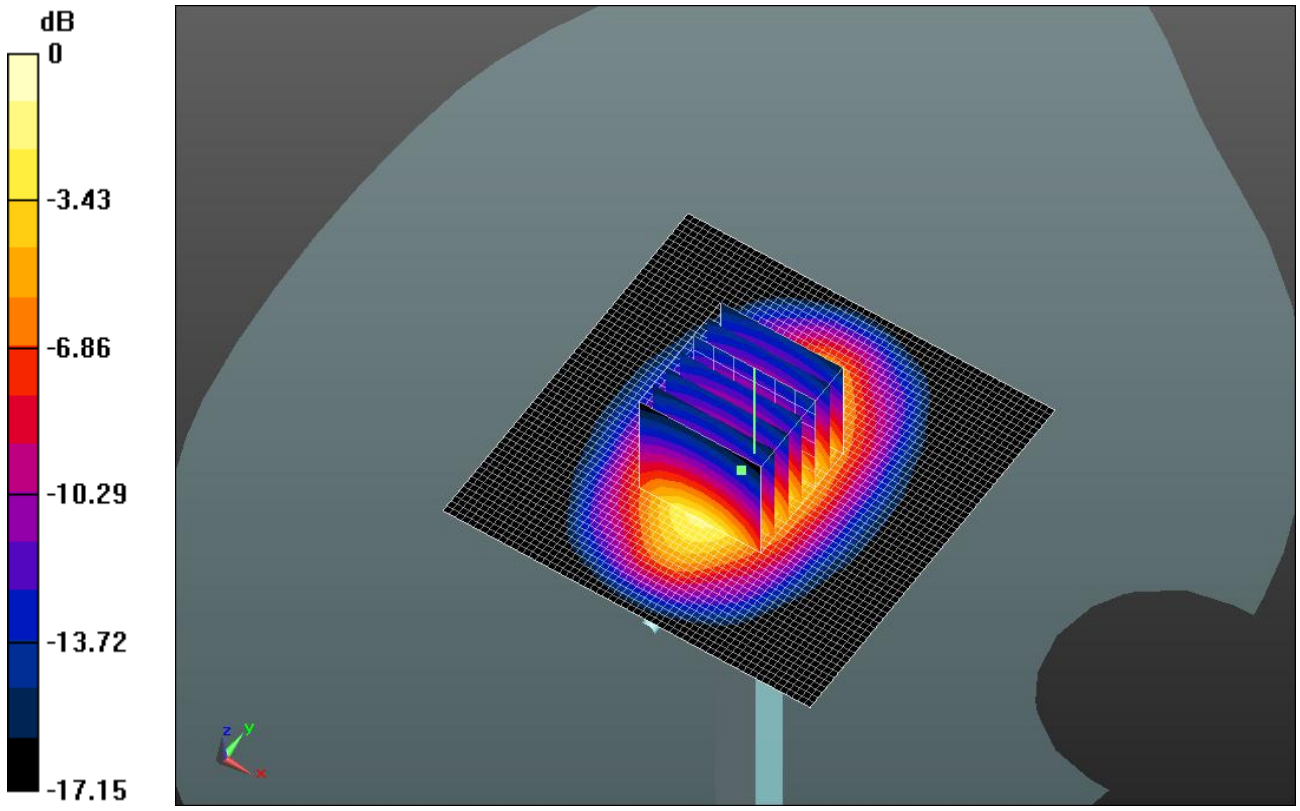


SystemPerformanceCheck-D1750V2 SN 1077

Frequency: 1750 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 1750 MHz; σ = 1.345 S/m; ε_r = 39.266; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1380; Calibrated: 7/15/2013
- Probe: EX3DV4 - SN3936; ConvF(8.1, 8.1, 8.1); Calibrated: 7/22/2013;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM with CRP; Type: QD000P40CD; Serial: S/n:1772

Head/Pin=100 mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 59.556 V/m; Power Drift = 0.05 dB
Fast SAR: SAR(1 g) = 3.64 W/kg; SAR(10 g) = 1.93 W/kg
Maximum value of SAR (interpolated) = 4.73 W/kg

Head/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 59.556 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 6.46 W/kg
SAR(1 g) = 3.51 W/kg; SAR(10 g) = 1.86 W/kg
Maximum value of SAR (measured) = 4.69 W/kg

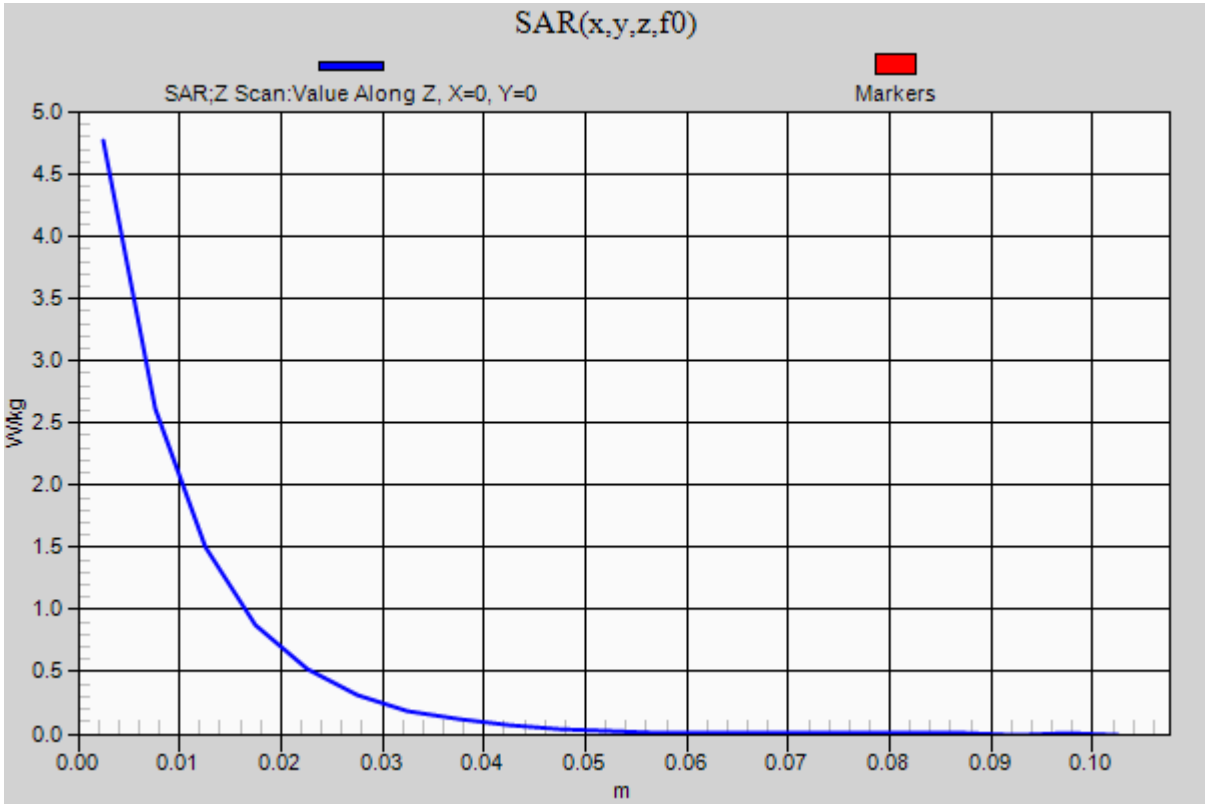


0 dB = 4.69 W/kg = 6.71 dBW/kg

SystemPerformanceCheck-D1750V2 SN 1077

Frequency: 1750 MHz; Duty Cycle: 1:1

Head/Pin=100 mW/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 4.77 W/kg

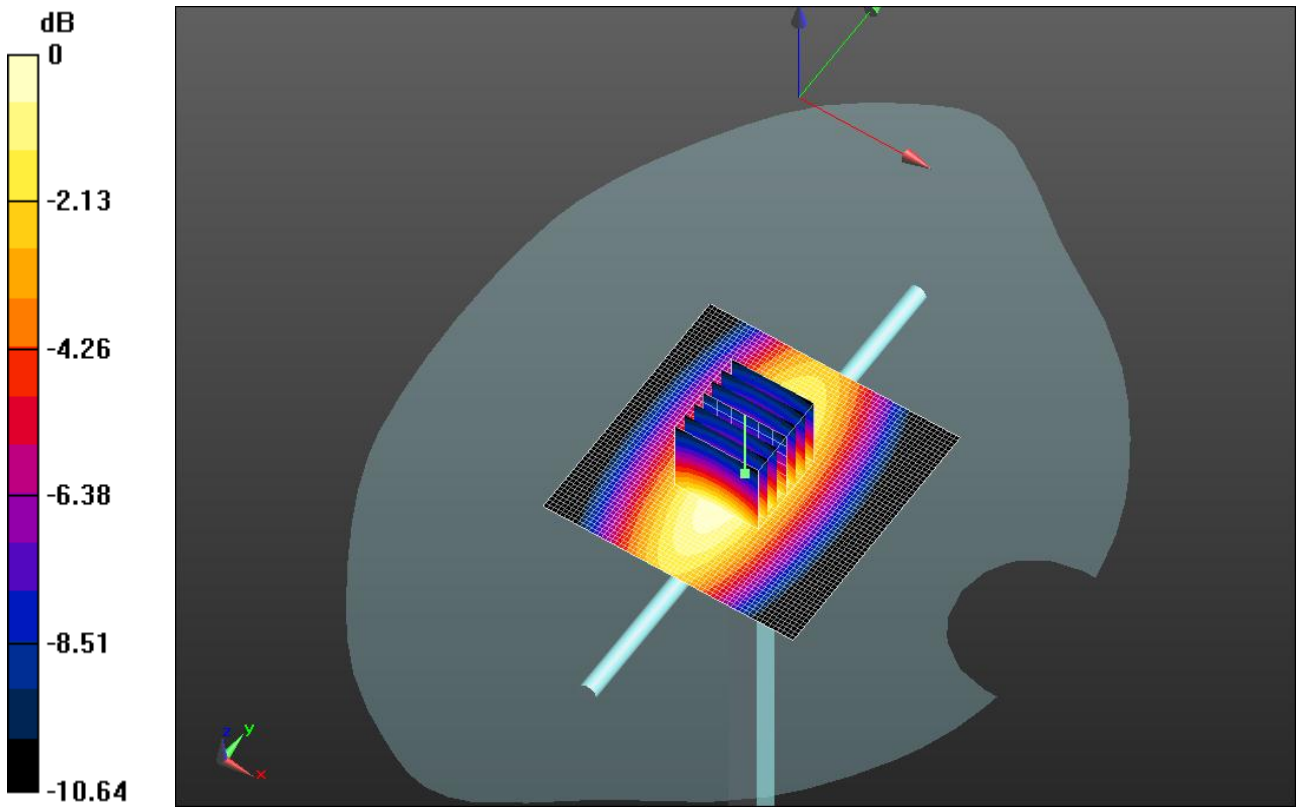


20140327_SystemPerformanceCheck-D750V3 SN 1024

Frequency: 750 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 750 MHz; σ = 0.895 S/m; ε_r = 40.488; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Averaged Fast SAR: Polynomial fit
- Electronics: DAE4 Sn1380; Calibrated: 7/15/2013
- Probe: EX3DV4 - SN3936; ConvF(9.77, 9.77, 9.77); Calibrated: 7/22/2013;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM with CRP; Type: QD000P40CD; Serial: S/n:1772

Head/Pin=100 mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 33.287 V/m; Power Drift = 0.01 dB
Fast SAR: SAR(1 g) = 0.837 W/kg; SAR(10 g) = 0.568 W/kg
Maximum value of SAR (interpolated) = 0.987 W/kg

Head/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 33.287 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 1.23 W/kg
SAR(1 g) = 0.806 W/kg; SAR(10 g) = 0.526 W/kg
Maximum value of SAR (measured) = 0.984 W/kg

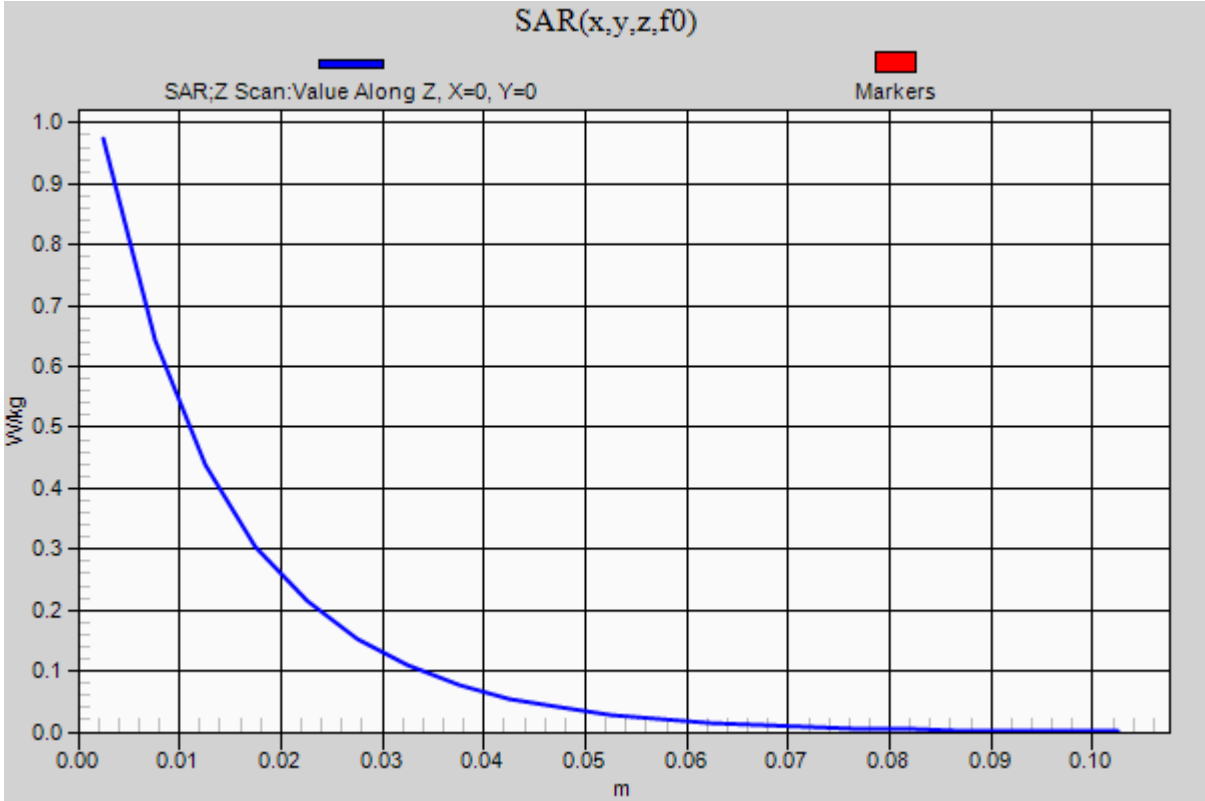


0 dB = 0.984 W/kg = -0.07 dBW/kg

20140327_SystemPerformanceCheck-D750V3 SN 1024

Frequency: 750 MHz; Duty Cycle: 1:1

Head/Pin=100 mW/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 0.974 W/kg

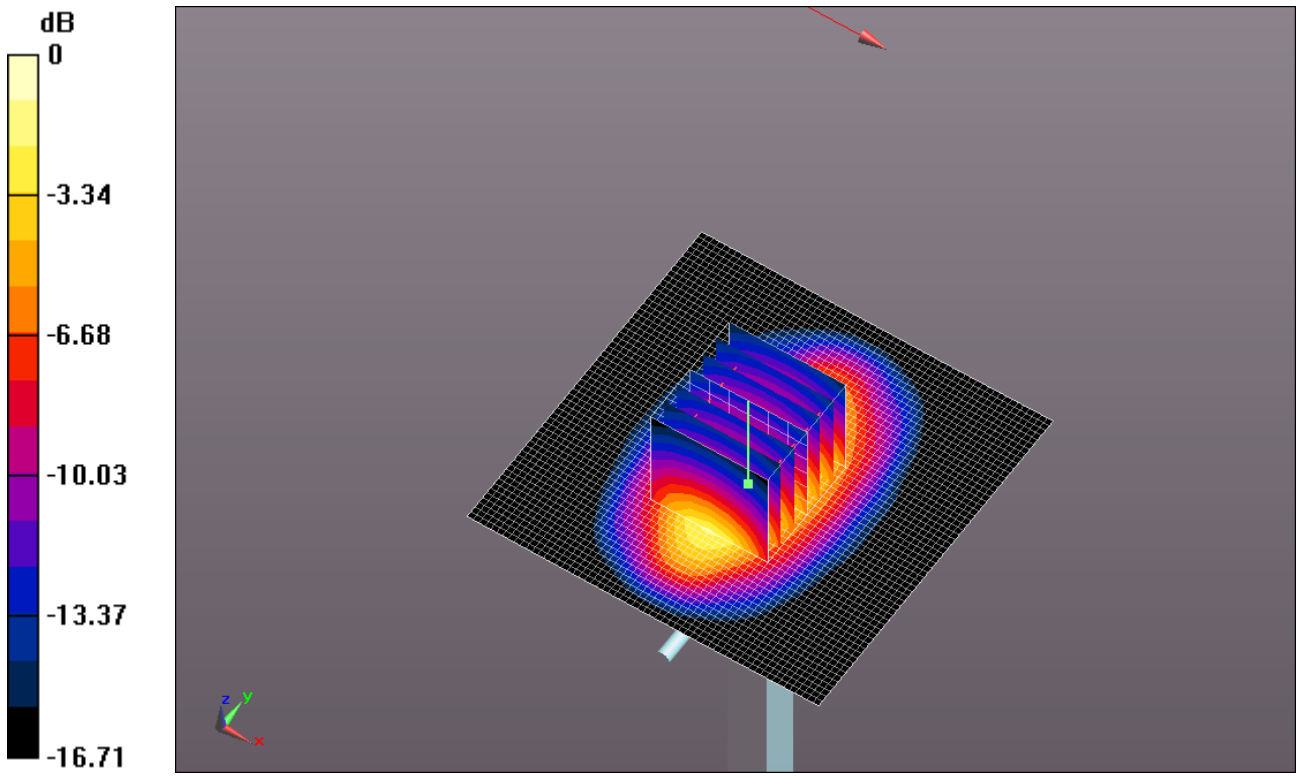


20140324_SystemPerformanceCheck-D1750V2 SN 1077

Frequency: 1750 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 1750 MHz; σ = 1.449 S/m; ε_r = 51.954; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Averaged Fast SAR: Polynomial fit
- Electronics: DAE4 Sn1343; Calibrated: 7/24/2013
- Probe: EX3DV4 - SN3885; ConvF(7.59, 7.59, 7.59); Calibrated: 9/18/2013;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (B); Type: QDOVA001BB; Serial: 1118

Body/Pin=100 mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 59.515 V/m; Power Drift = -0.04 dB
Fast SAR: SAR(1 g) = 3.87 W/kg; SAR(10 g) = 2.01 W/kg
Maximum value of SAR (interpolated) = 5.09 W/kg

Body/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 59.515 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 6.70 W/kg
SAR(1 g) = 3.78 W/kg; SAR(10 g) = 2.03 W/kg
Maximum value of SAR (measured) = 5.03 W/kg

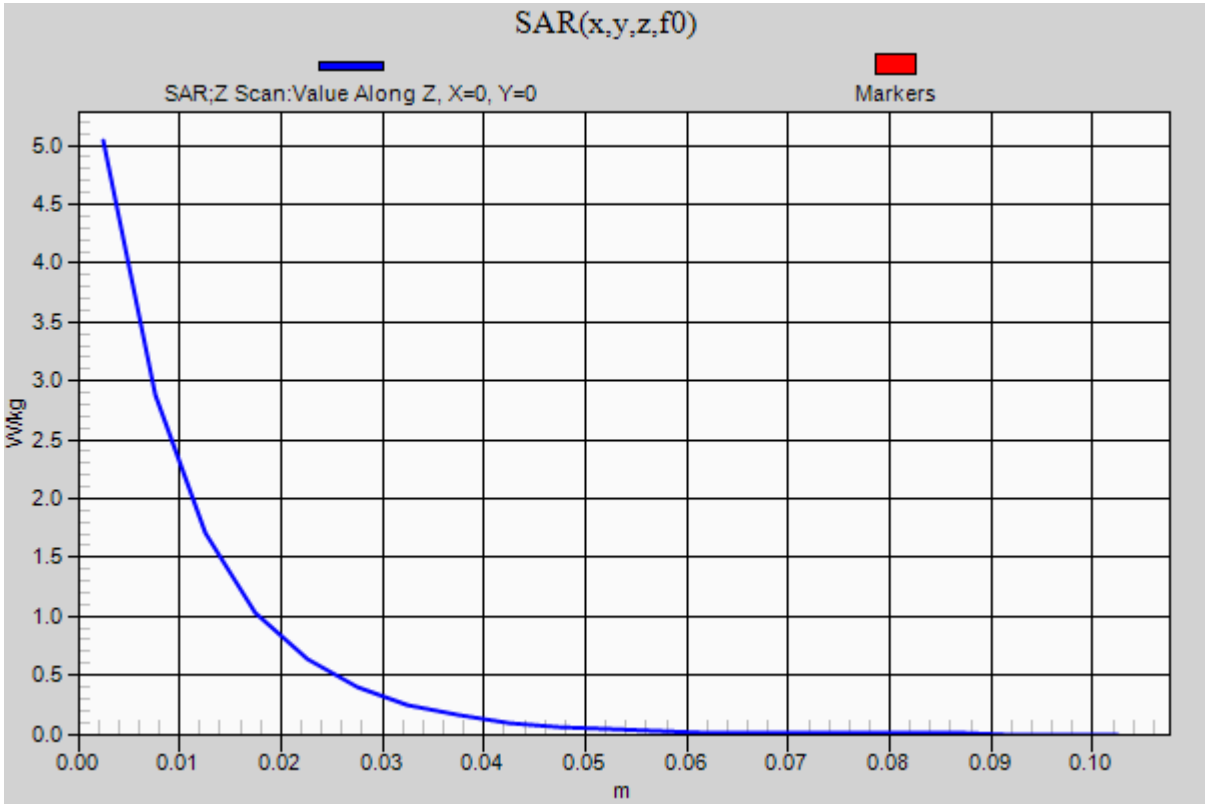


0 dB = 5.03 W/kg = 7.02 dBW/kg

20140324_SystemPerformanceCheck-D1750V2 SN 1077

Frequency: 1750 MHz; Duty Cycle: 1:1

Body/Pin=100 mW/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 5.04 W/kg

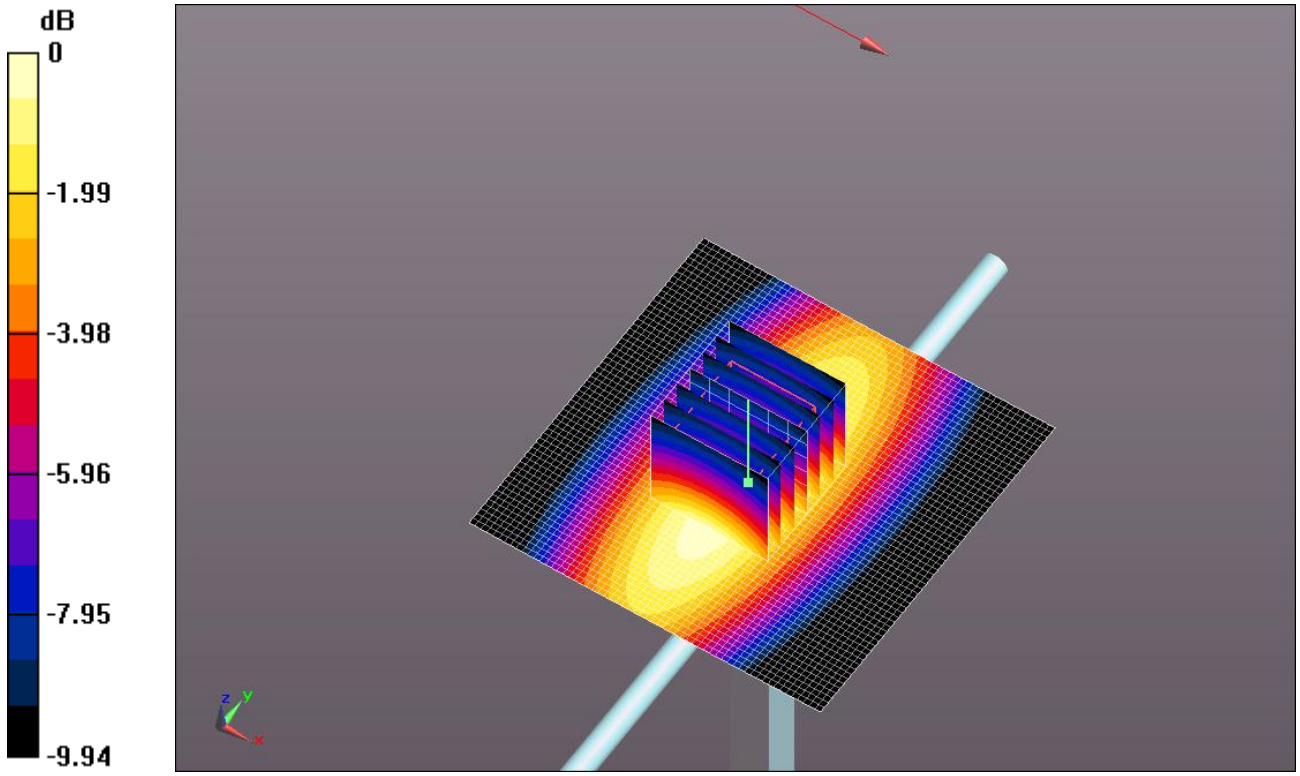


20140324_SystemPerformanceCheck-D750V3 SN 1024

Frequency: 750 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 750 MHz; σ = 0.963 S/m; ε_r = 53.505; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Averaged Fast SAR: Polynomial fit
- Electronics: DAE4 Sn1343; Calibrated: 7/24/2013
- Probe: EX3DV4 - SN3885; ConvF(9.14, 9.14, 9.14); Calibrated: 9/18/2013;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1117

Body/Pin=100 mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 33.097 V/m; Power Drift = 0.03 dB
Fast SAR: SAR(1 g) = 0.881 W/kg; SAR(10 g) = 0.597 W/kg
Maximum value of SAR (interpolated) = 1.04 W/kg

Body/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 33.097 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 1.27 W/kg
SAR(1 g) = 0.866 W/kg; SAR(10 g) = 0.576 W/kg
Maximum value of SAR (measured) = 1.05 W/kg

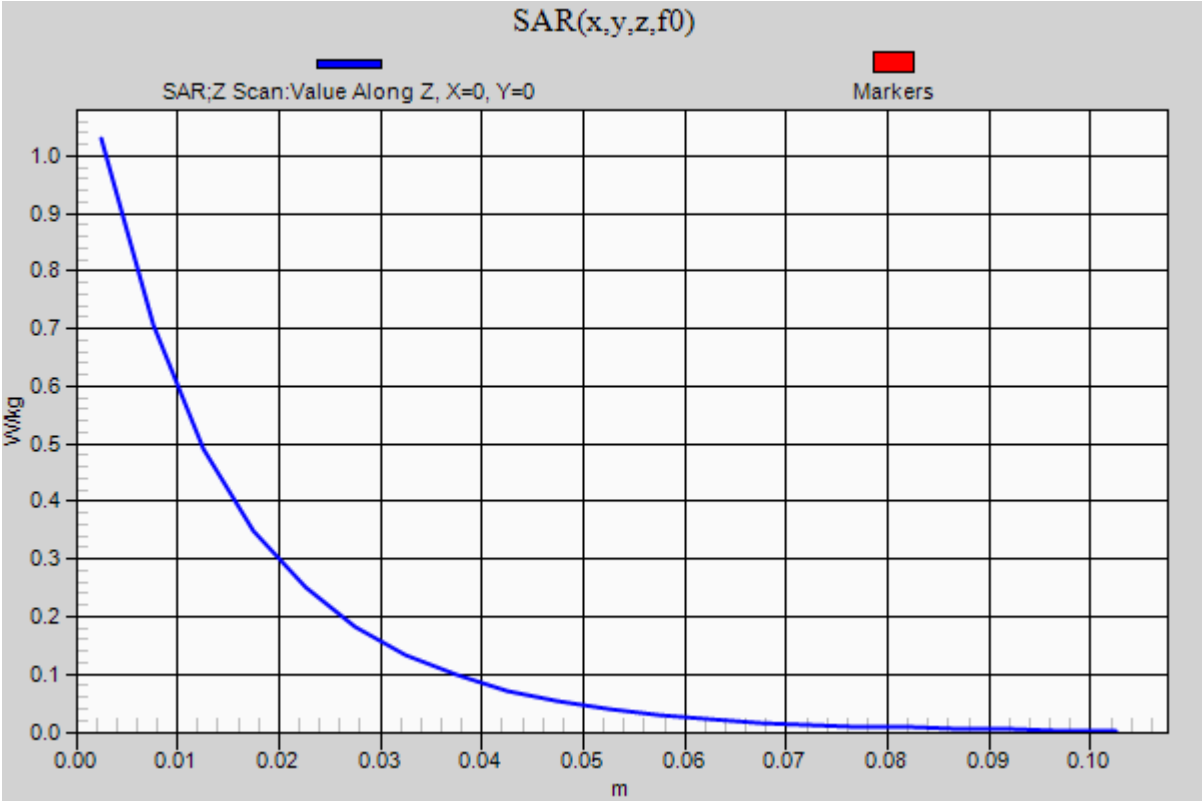


0 dB = 1.05 W/kg = 0.21 dBW/kg

20140324_SystemPerformanceCheck-D750V3 SN 1024

Frequency: 750 MHz; Duty Cycle: 1:1

Body/Pin=100 mW/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 1.03 W/kg



GSM850

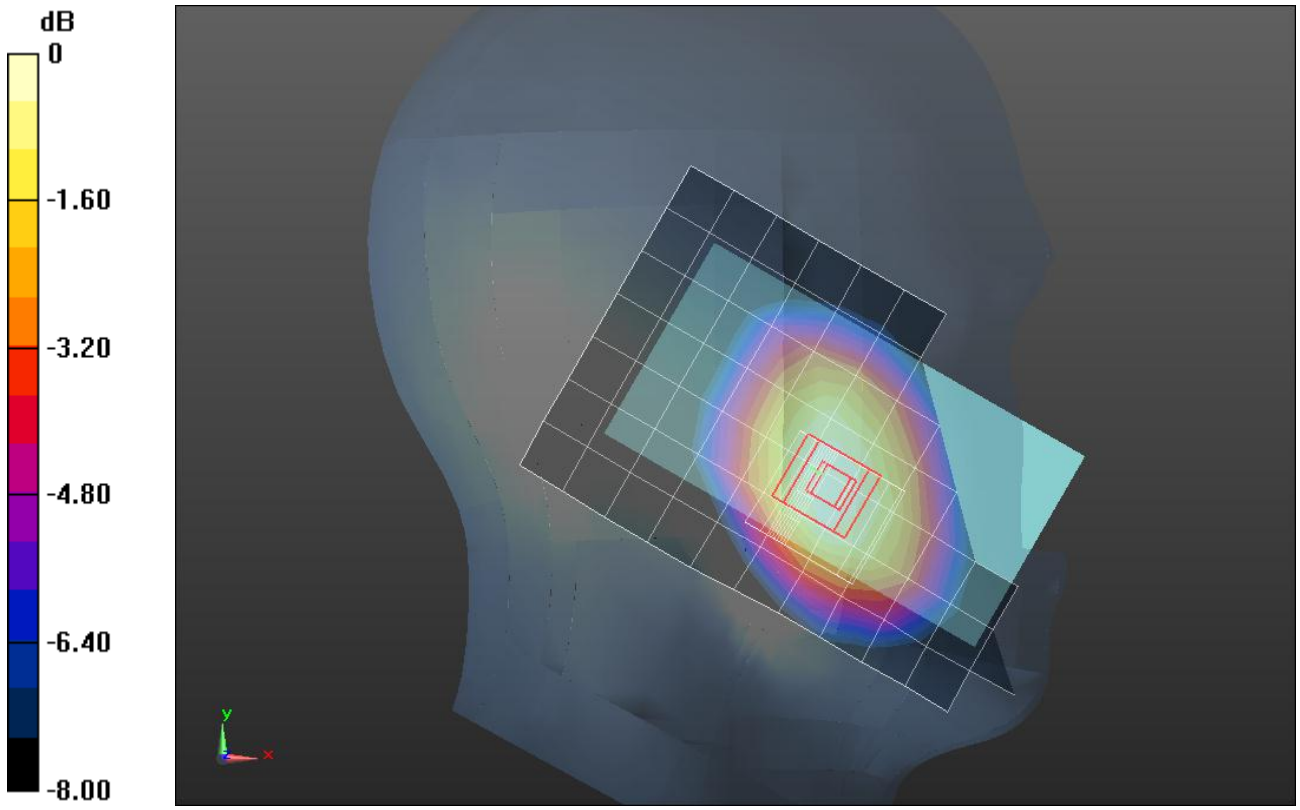
Frequency: 836.6 MHz; Duty Cycle: 1:8.00018; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.906 S/m; ε_r = 40.593; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1380; Calibrated: 7/15/2013
- Probe: EX3DV4 - SN3936; ConvF(9.45, 9.45, 9.45); Calibrated: 7/22/2013;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM with CRP; Type: QD000P40CD; Serial: S/n:1772

LHS/Touch_GSM_Voice_ch 190/Area Scan (8x12x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.350 W/kg

LHS/Touch_GSM_Voice_ch 190/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.524 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.425 W/kg
SAR(1 g) = 0.323 W/kg; SAR(10 g) = 0.238 W/kg
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.360 W/kg



0 dB = 0.360 W/kg = -4.44 dBW/kg

GSM850

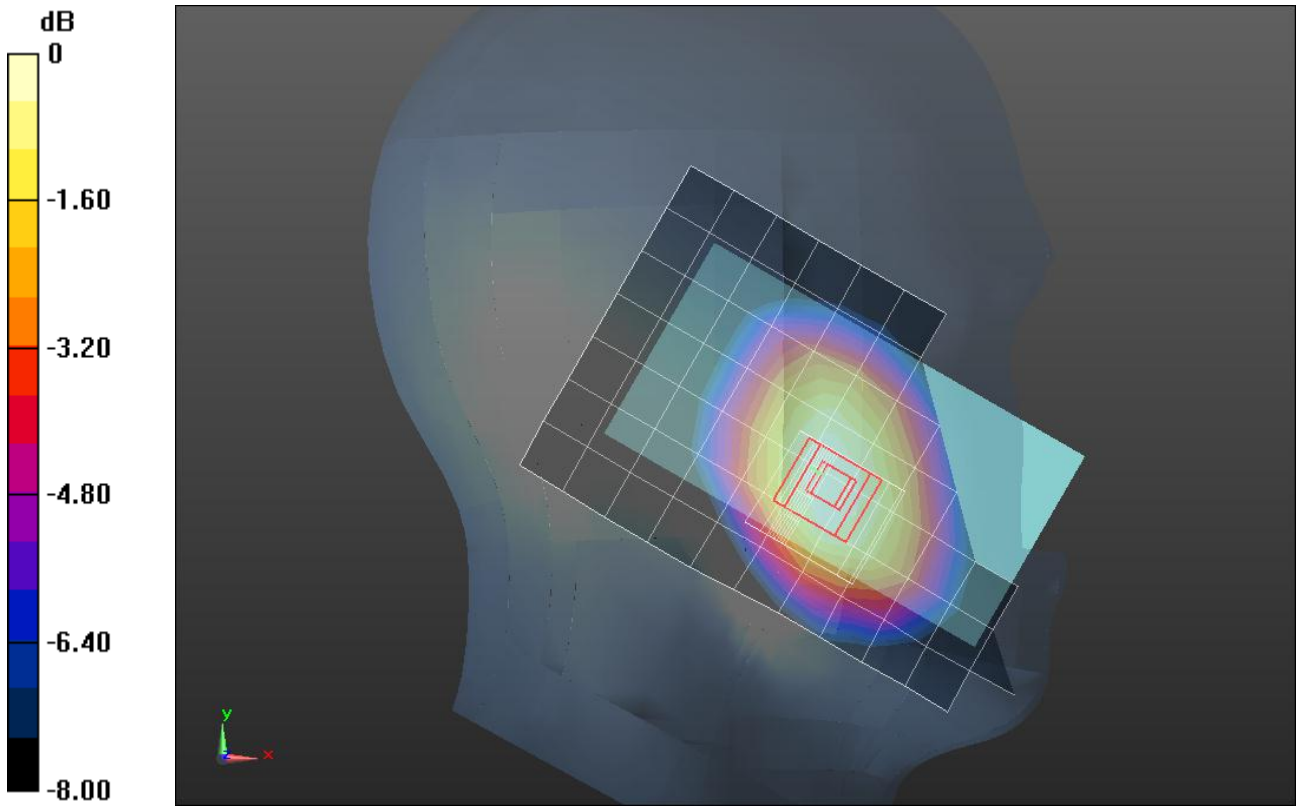
Frequency: 836.6 MHz; Duty Cycle: 1:4.00037; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.906 S/m; ε_r = 40.593; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1380; Calibrated: 7/15/2013
- Probe: EX3DV4 - SN3936; ConvF(9.45, 9.45, 9.45); Calibrated: 7/22/2013;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM with CRP; Type: QD000P40CD; Serial: S/n:1772

LHS/Touch_GPRS_2 Slots_ch 190/Area Scan (8x12x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.392 W/kg

LHS/Touch_GPRS_2 Slots_ch 190/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.575 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.467 W/kg
SAR(1 g) = 0.356 W/kg; SAR(10 g) = 0.262 W/kg
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.399 W/kg



0 dB = 0.399 W/kg = -3.99 dBW/kg

GSM850

Frequency: 836.6 MHz; Duty Cycle: 1:8.00018; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used (interpolated): f = 836.6 MHz; σ = 1 S/m; ε_r = 52.934; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE3 Sn427; Calibrated: 1/21/2014
- Probe: EX3DV4 - SN3929; ConvF(9.21, 9.21, 9.21); Calibrated: 6/24/2013;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI-A v5.0; Type: QDOVA002AA; Serial: TP 1194

Rear/GSM_GMSK_Ch 190/Area Scan (8x12x1): Measurement grid: dx=15mm, dy=15mm

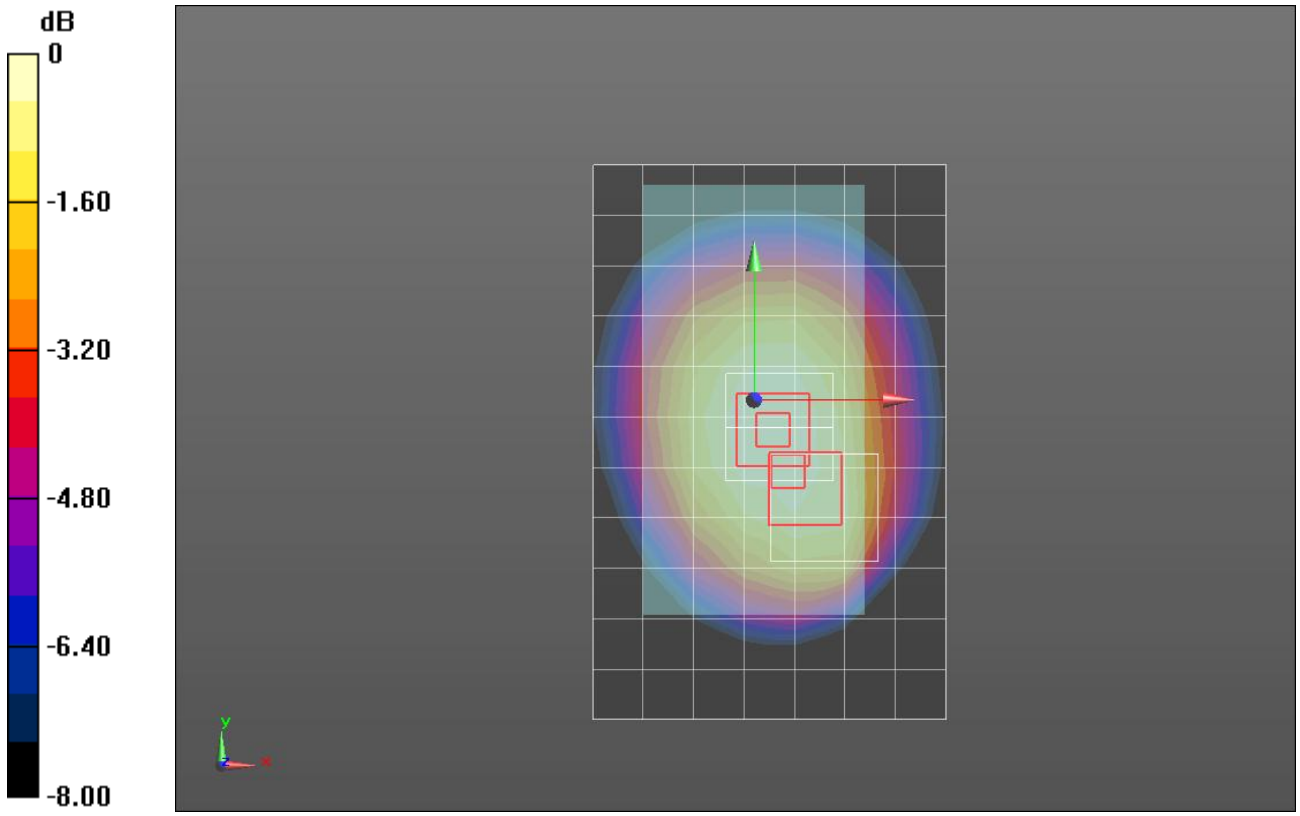
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.392 W/kg

Rear/GSM_GMSK_Ch 190/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.128 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.454 W/kg
SAR(1 g) = 0.350 W/kg; SAR(10 g) = 0.262 W/kg
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.399 W/kg

Rear/GSM_GMSK_Ch 190/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.128 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.446 W/kg
SAR(1 g) = 0.331 W/kg; SAR(10 g) = 0.236 W/kg
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.388 W/kg



0 dB = 0.388 W/kg = -4.11 dBW/kg

GSM850

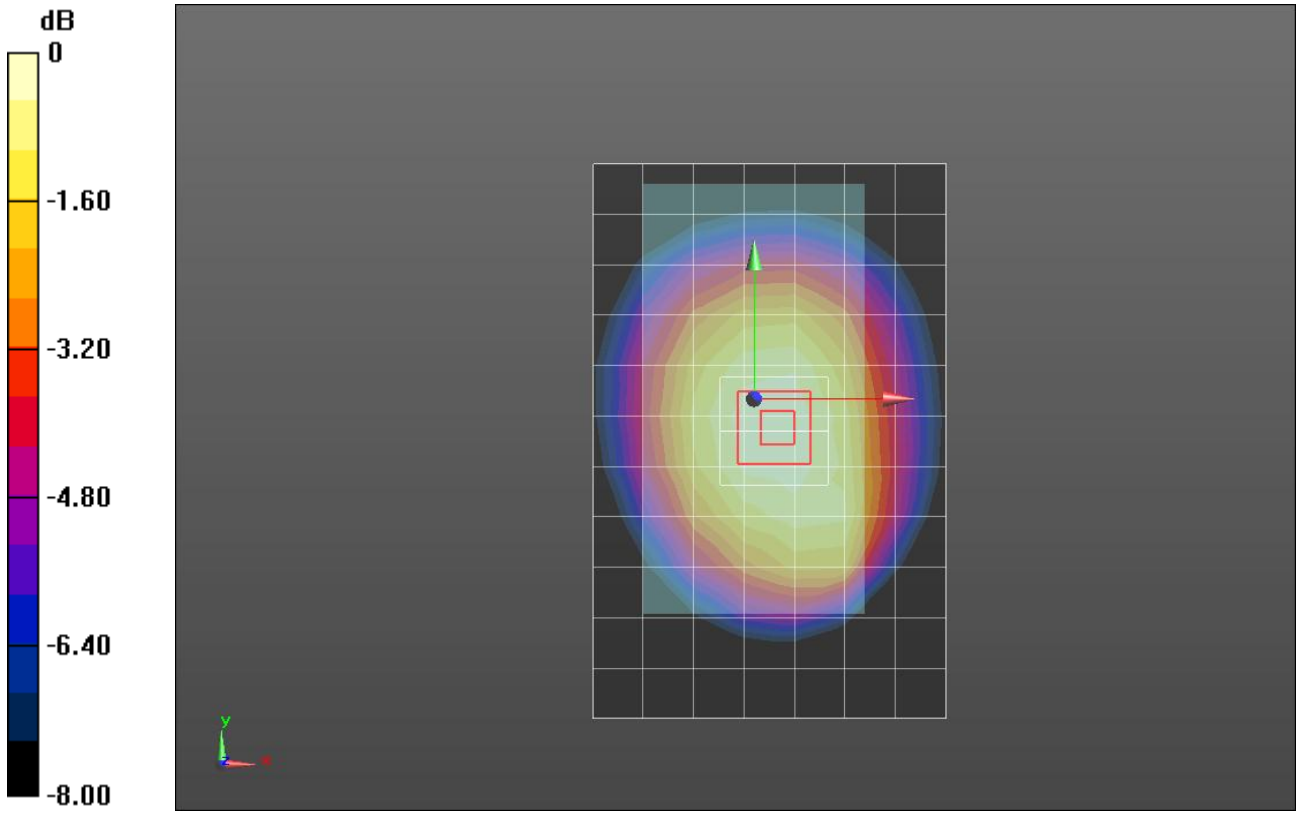
Frequency: 836.6 MHz; Duty Cycle: 1:4.00037; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used (interpolated): f = 836.6 MHz; σ = 1 S/m; ε_r = 52.934; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE3 Sn427; Calibrated: 1/21/2014
- Probe: EX3DV4 - SN3929; ConvF(9.21, 9.21, 9.21); Calibrated: 6/24/2013;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI-A v5.0; Type: QDOVA002AA; Serial: TP 1194

Rear/GSM_GPRS_Ch 190 2 slots/Area Scan (8x12x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.431 W/kg

Rear/GSM_GPRS_Ch 190 2 slots/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.294 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 0.508 W/kg
SAR(1 g) = 0.389 W/kg; SAR(10 g) = 0.291 W/kg
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.444 W/kg



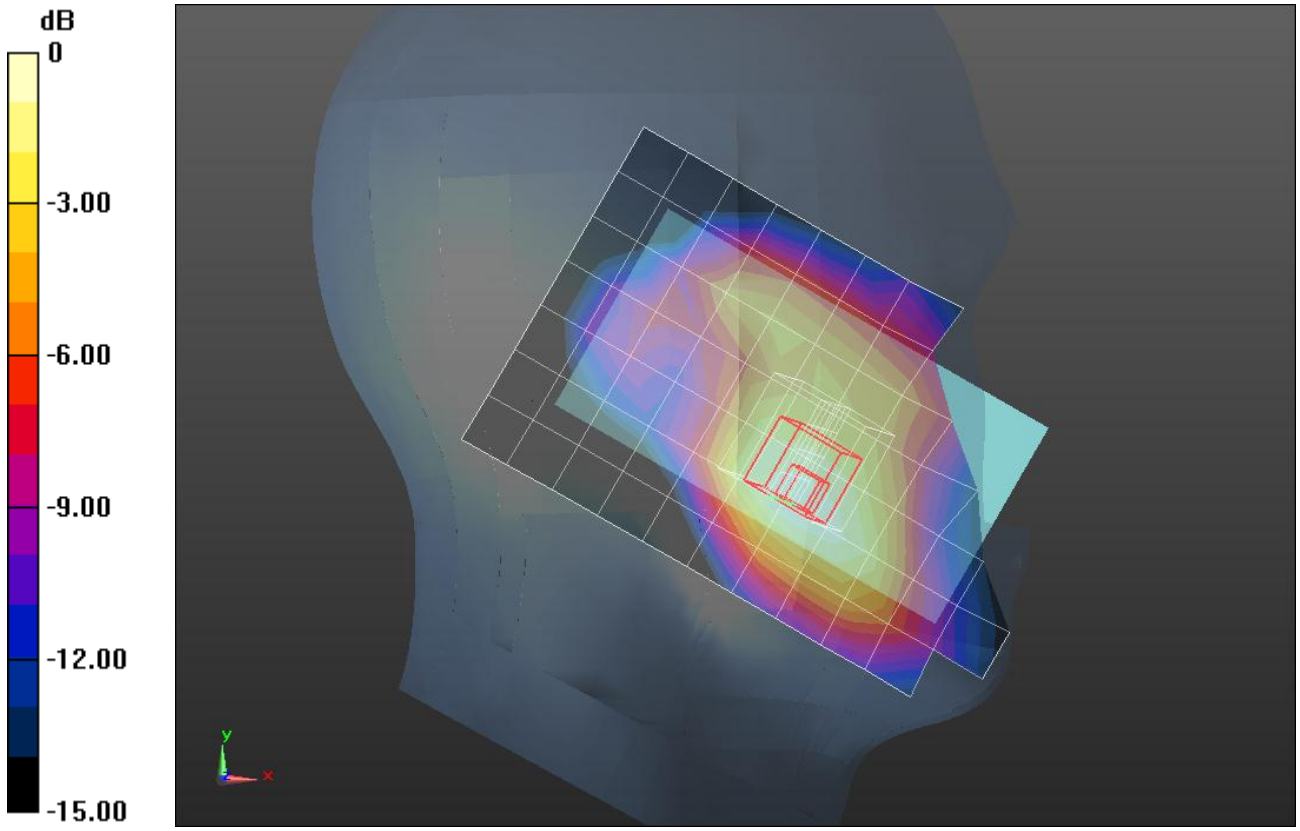
0 dB = 0.444 W/kg = -3.53 dBW/kg

GSM1900

Frequency: 1880 MHz; Duty Cycle: 1:8.00018; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 1880 MHz; σ = 1.391 S/m; ε_r = 39.249; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE3 Sn427; Calibrated: 1/21/2014
- Probe: EX3DV4 - SN3929; ConvF(7.71, 7.71, 7.71); Calibrated: 6/24/2013;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM; Type: QD000P40CD; Serial: TP 1751

LHS/Touch_GSM_Voice_ch 661/Area Scan (8x12x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.200 W/kg

LHS/Touch_GSM_Voice_ch 661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.041 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 0.250 W/kg
SAR(1 g) = 0.158 W/kg; SAR(10 g) = 0.093 W/kg
Maximum value of SAR (measured) = 0.202 W/kg



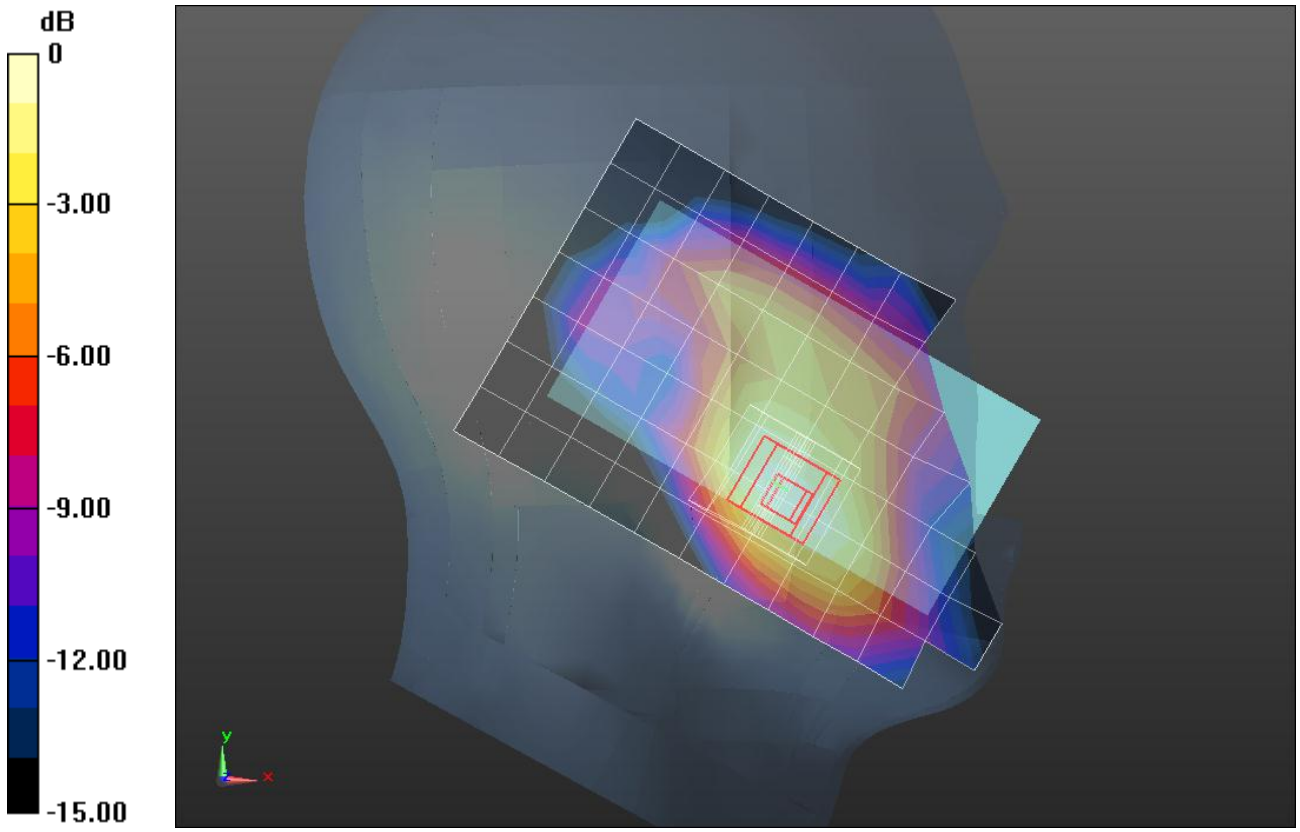
0 dB = 0.202 W/kg = -6.95 dBW/kg

GSM1900

Frequency: 1880 MHz; Duty Cycle: 1:4.00037; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 1880 MHz; σ = 1.391 S/m; ε_r = 39.249; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE3 Sn427; Calibrated: 1/21/2014
- Probe: EX3DV4 - SN3929; ConvF(7.71, 7.71, 7.71); Calibrated: 6/24/2013;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM; Type: QD000P40CD; Serial: TP 1751

LHS/Touch_GPRS_2 Slots_ch 661/Area Scan (8x12x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.228 W/kg

LHS/Touch_GPRS_2 Slots_ch 661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.659 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.292 W/kg
SAR(1 g) = 0.191 W/kg; SAR(10 g) = 0.119 W/kg
Maximum value of SAR (measured) = 0.231 W/kg



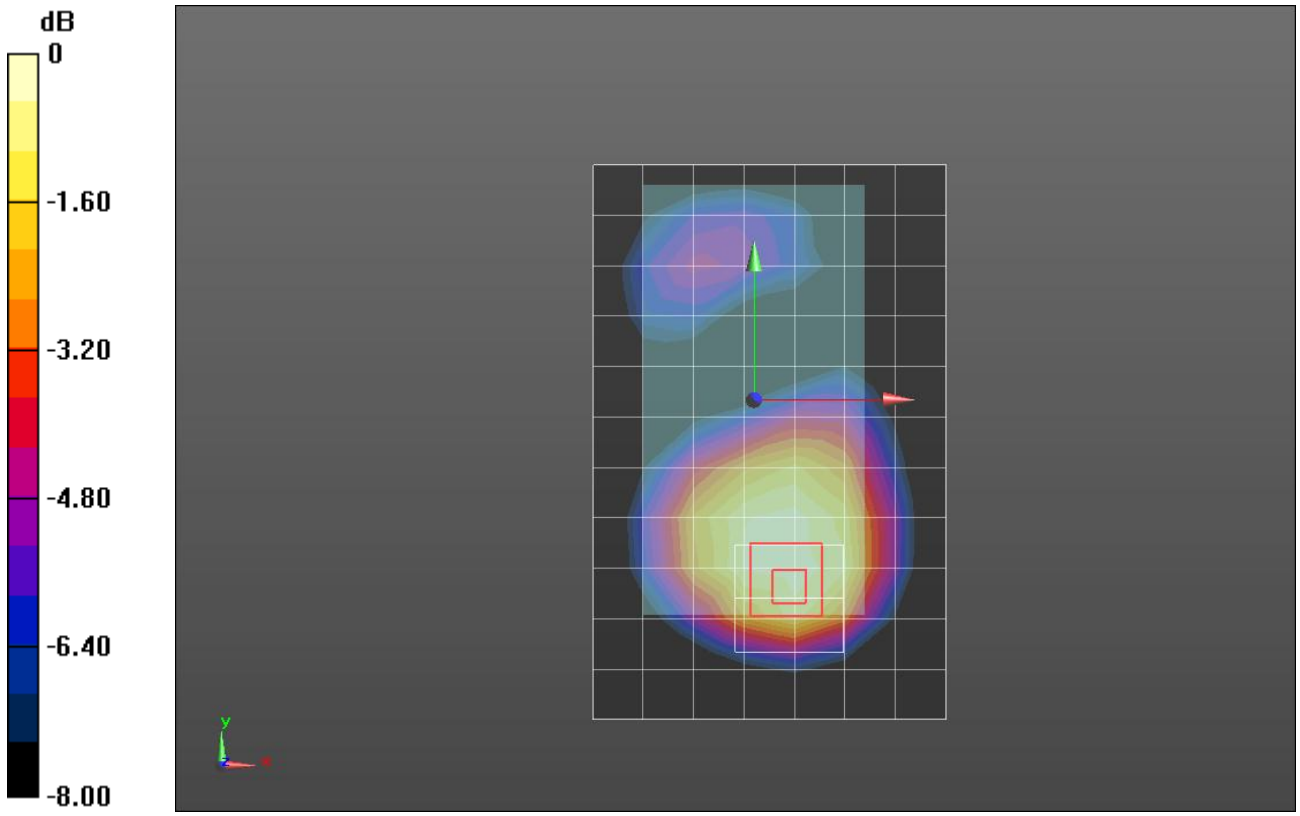
0 dB = 0.231 W/kg = -6.36 dBW/kg

GSM1900

Frequency: 1880 MHz; Duty Cycle: 1:8.00018; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 1880 MHz; σ = 1.51 S/m; ε_r = 51.814; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE3 Sn427; Calibrated: 1/21/2014
- Probe: EX3DV4 - SN3929; ConvF(7.28, 7.28, 7.28); Calibrated: 6/24/2013;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI-B v5.0; Type: QDOVA002AA; Serial: TP:1195

Rear/GSM_GMSK_Ch 661/Area Scan (8x12x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.224 W/kg

Rear/GSM_GMSK_Ch 661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.633 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.293 W/kg
SAR(1 g) = 0.192 W/kg; SAR(10 g) = 0.123 W/kg
Maximum value of SAR (measured) = 0.233 W/kg



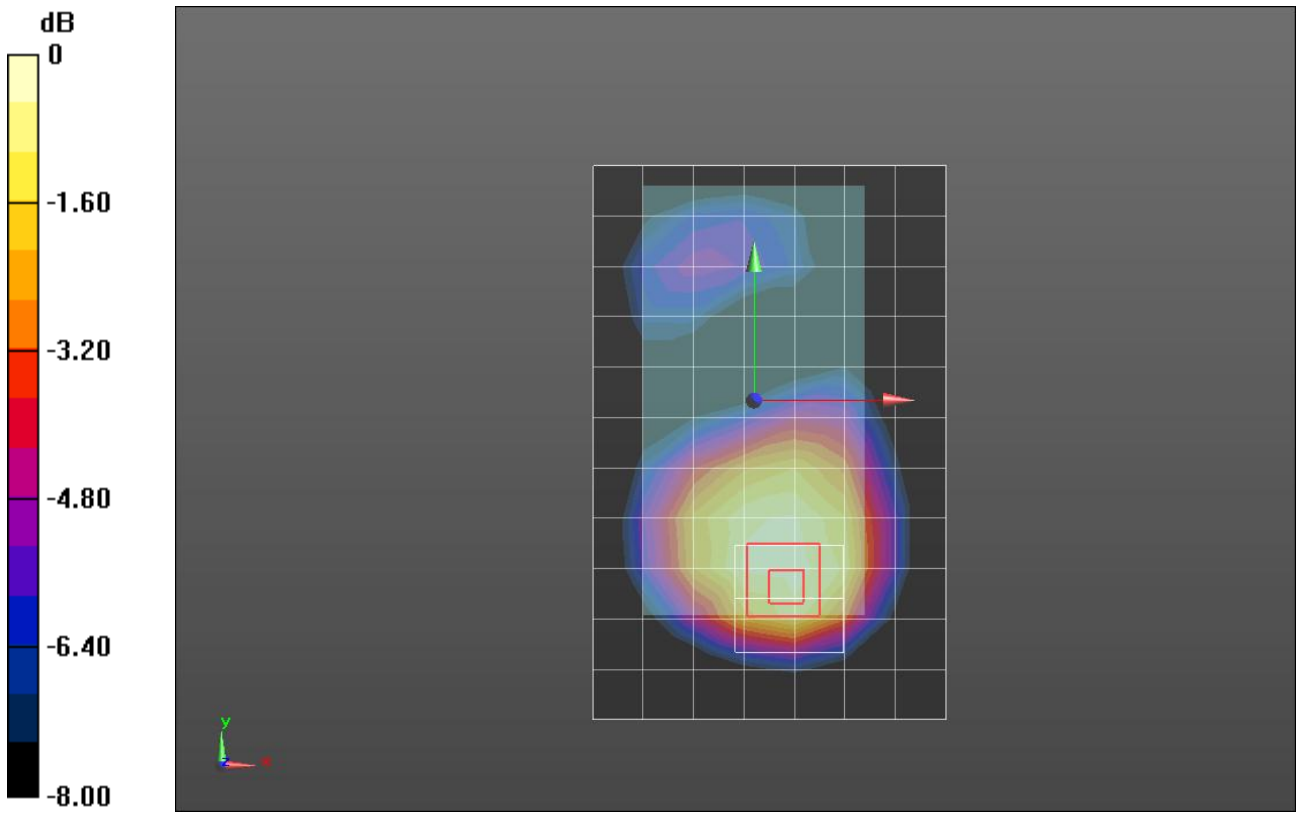
0 dB = 0.233 W/kg = -6.33 dBW/kg

GSM1900

Frequency: 1880 MHz; Duty Cycle: 1:4.00037; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 1880 MHz; σ = 1.51 S/m; ε_r = 51.814; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE3 Sn427; Calibrated: 1/21/2014
- Probe: EX3DV4 - SN3929; ConvF(7.28, 7.28, 7.28); Calibrated: 6/24/2013;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI-B v5.0; Type: QDOVA002AA; Serial: TP:1195

Rear/GSM_GPRS_Ch 661 2 slots/Area Scan (8x12x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.240 W/kg

Rear/GSM_GPRS_Ch 661 2 slots/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.165 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 0.321 W/kg
SAR(1 g) = 0.206 W/kg; SAR(10 g) = 0.131 W/kg
Maximum value of SAR (measured) = 0.253 W/kg



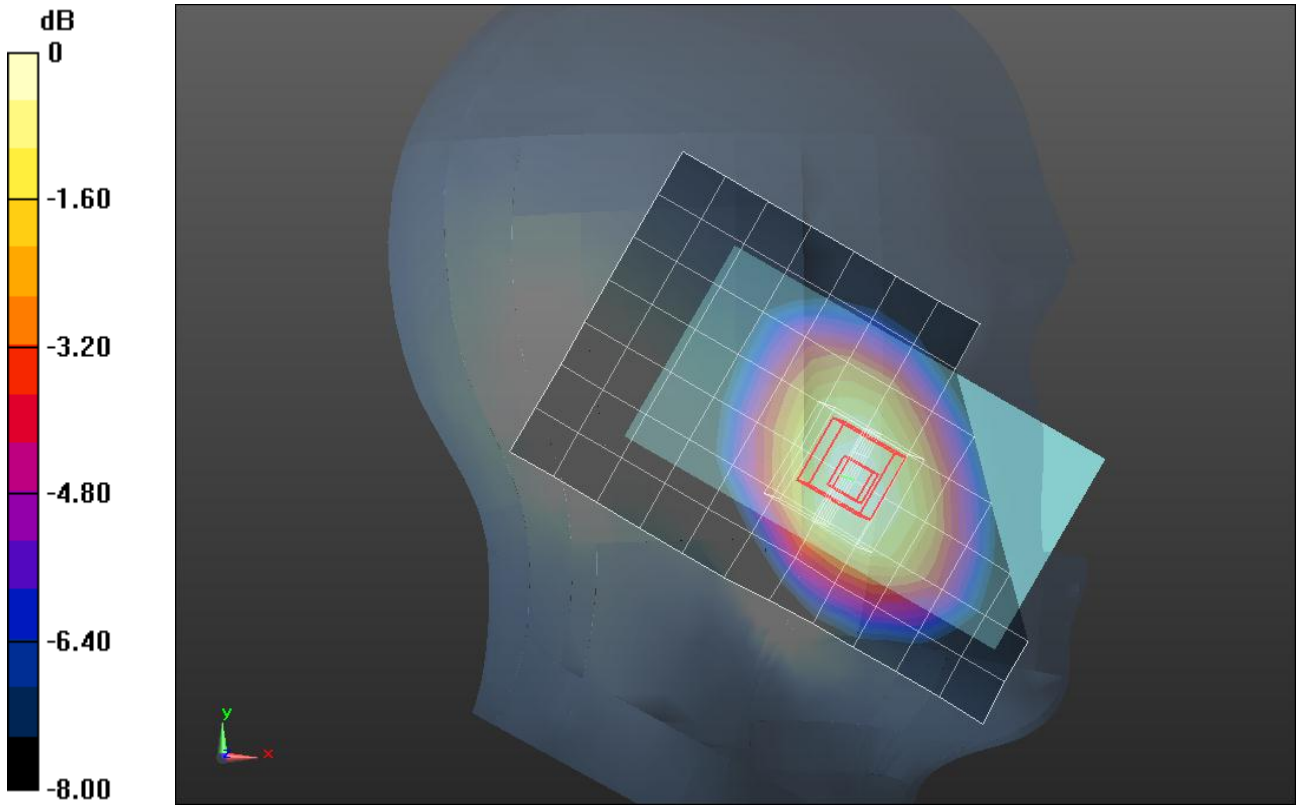
0 dB = 0.253 W/kg = -5.97 dBW/kg

WCDMA Band V

Frequency: 836.6 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.906 S/m; ε_r = 40.593; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1380; Calibrated: 7/15/2013
- Probe: EX3DV4 - SN3936; ConvF(9.45, 9.45, 9.45); Calibrated: 7/22/2013;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM with CRP; Type: QD000P40CD; Serial: S/n:1772

LHS/Touch_Rel. 99_RMC_ch 4183/Area Scan (8x12x1): Measurement grid: dx=15mm, dy=15mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.378 W/kg

LHS/Touch_Rel. 99_RMC_ch 4183/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 20.377 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.440 W/kg
SAR(1 g) = 0.337 W/kg; SAR(10 g) = 0.252 W/kg
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.382 W/kg



0 dB = 0.382 W/kg = -4.18 dBW/kg

WCDMA Band V

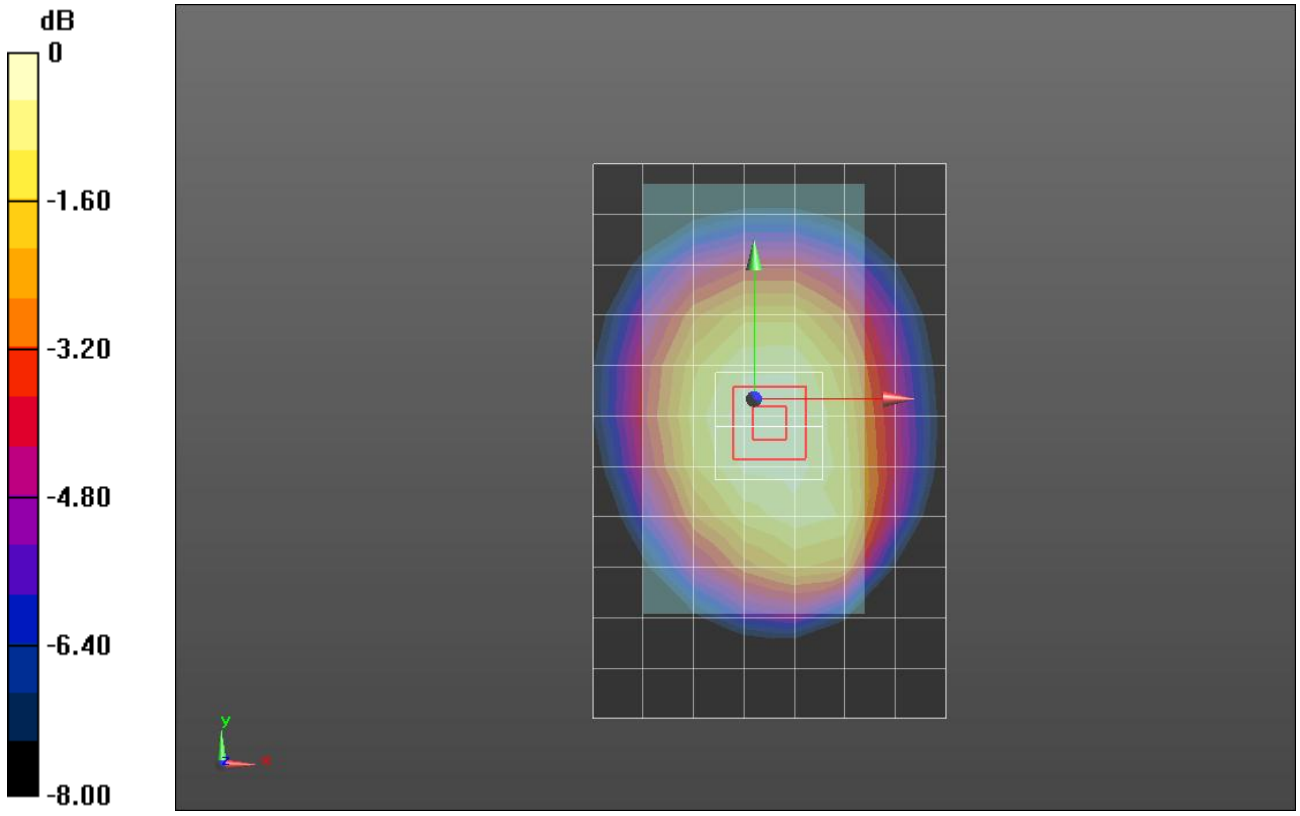
Frequency: 836.6 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used (interpolated): f = 836.6 MHz; σ = 1 S/m; ε_r = 52.934; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE3 Sn427; Calibrated: 1/21/2014
- Probe: EX3DV4 - SN3929; ConvF(9.21, 9.21, 9.21); Calibrated: 6/24/2013;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI-A v5.0; Type: QDOVA002AA; Serial: TP 1194

Rear/Rel. 99_RMC_Ch 4183/Area Scan (8x12x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.388 W/kg

Rear/Rel. 99_RMC_Ch 4183/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.179 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.457 W/kg
SAR(1 g) = 0.352 W/kg; SAR(10 g) = 0.264 W/kg
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.401 W/kg



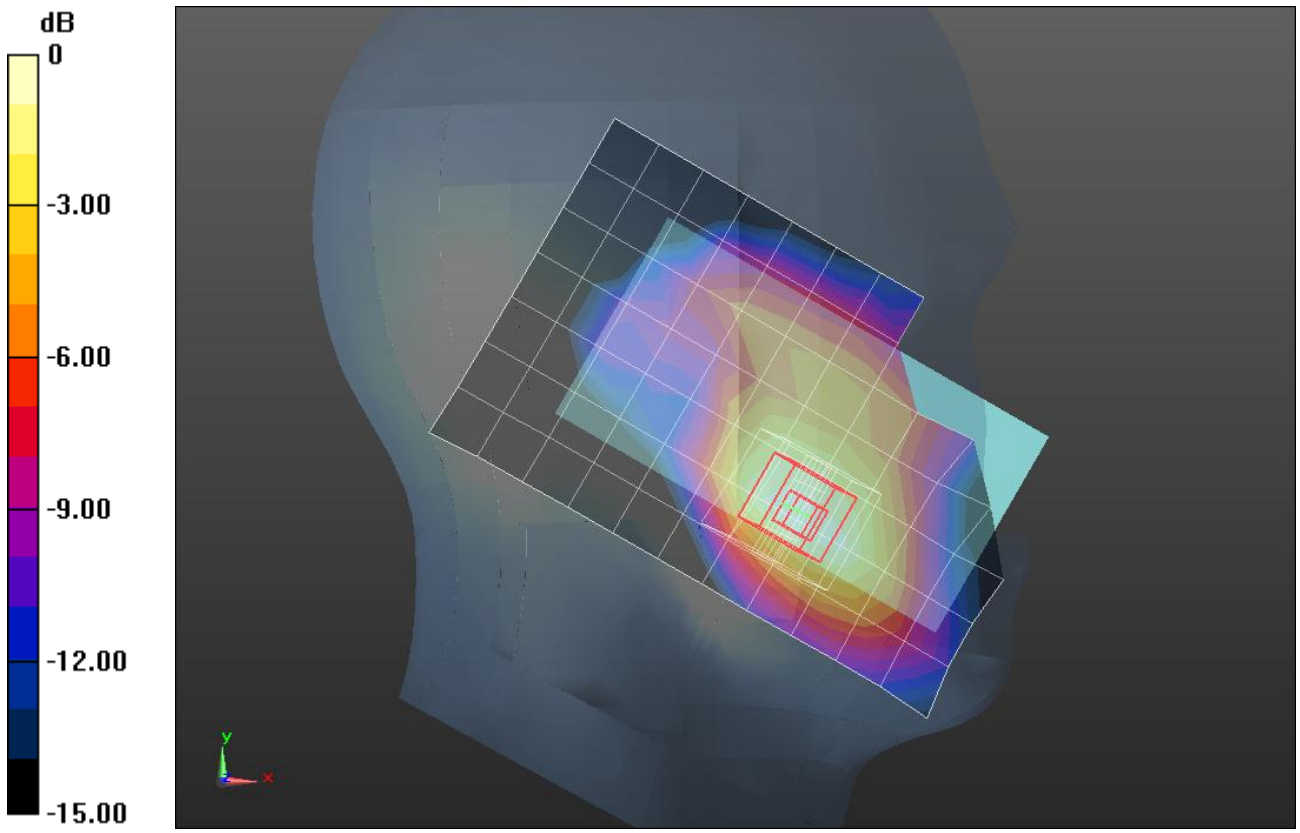
0 dB = 0.401 W/kg = -3.97 dBW/kg

WCDMA Band II

Frequency: 1880 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 1880 MHz; σ = 1.391 S/m; ε_r = 39.249; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE3 Sn427; Calibrated: 1/21/2014
- Probe: EX3DV4 - SN3929; ConvF(7.71, 7.71, 7.71); Calibrated: 6/24/2013;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM; Type: QD000P40CD; Serial: TP 1751

LHS/Touch_Rel. 99_RMC_ch 9400/Area Scan (8x12x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.517 W/kg

LHS/Touch_Rel. 99_RMC_ch 9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.540 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.659 W/kg
SAR(1 g) = 0.424 W/kg; SAR(10 g) = 0.260 W/kg
Maximum value of SAR (measured) = 0.515 W/kg



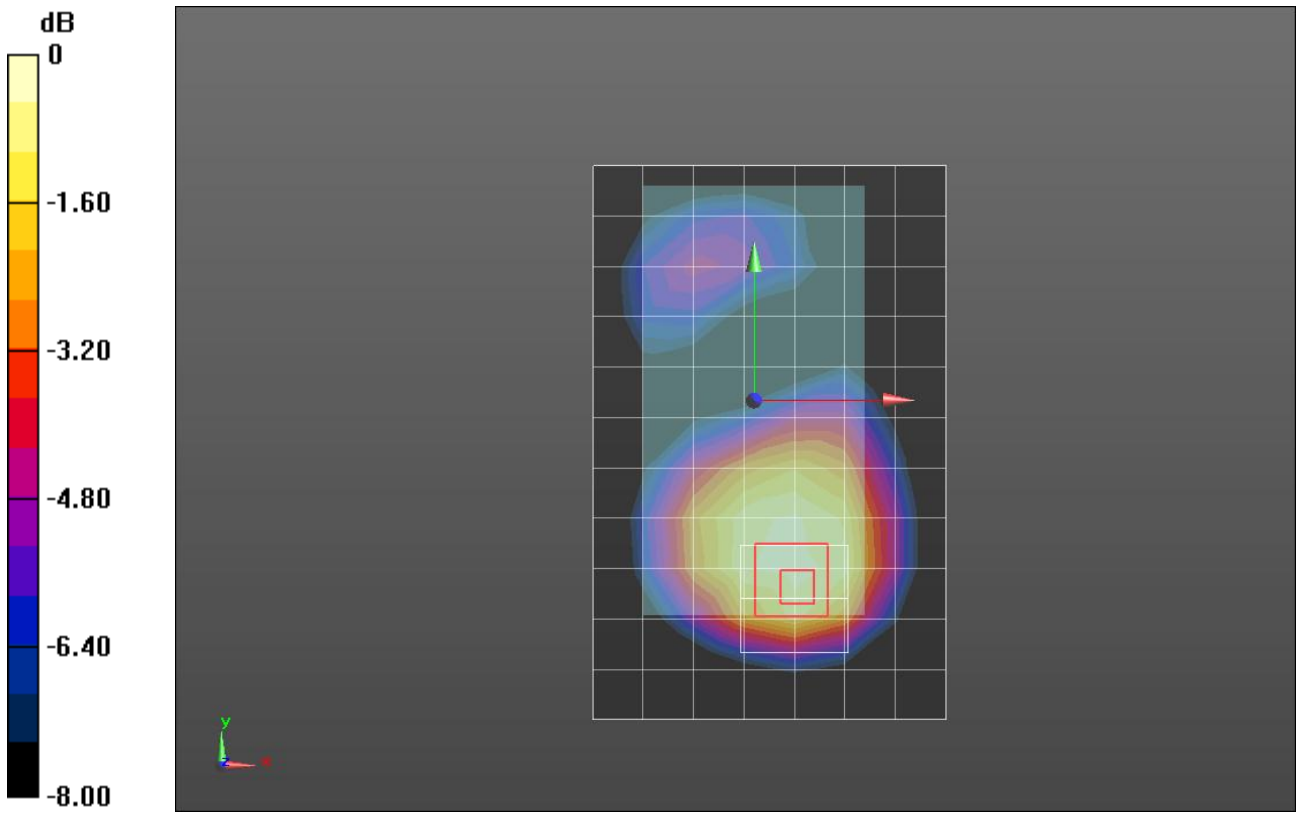
0 dB = 0.517 W/kg = -2.87 dBW/kg

WCDMA Band II

Frequency: 1880 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 1880 MHz; σ = 1.51 S/m; ε_r = 51.814; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE3 Sn427; Calibrated: 1/21/2014
- Probe: EX3DV4 - SN3929; ConvF(7.28, 7.28, 7.28); Calibrated: 6/24/2013;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI-B v5.0; Type: QDOVA002AA; Serial: TP:1195

Rear/Rel. 99_RMC_Ch 9400/Area Scan (8x12x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.442 W/kg

Rear/Rel. 99_RMC_Ch 9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.798 V/m; Power Drift = 0.20 dB
Peak SAR (extrapolated) = 0.589 W/kg
SAR(1 g) = 0.386 W/kg; SAR(10 g) = 0.247 W/kg
Maximum value of SAR (measured) = 0.470 W/kg



0 dB = 0.470 W/kg = -3.28 dBW/kg

LTE Band 4

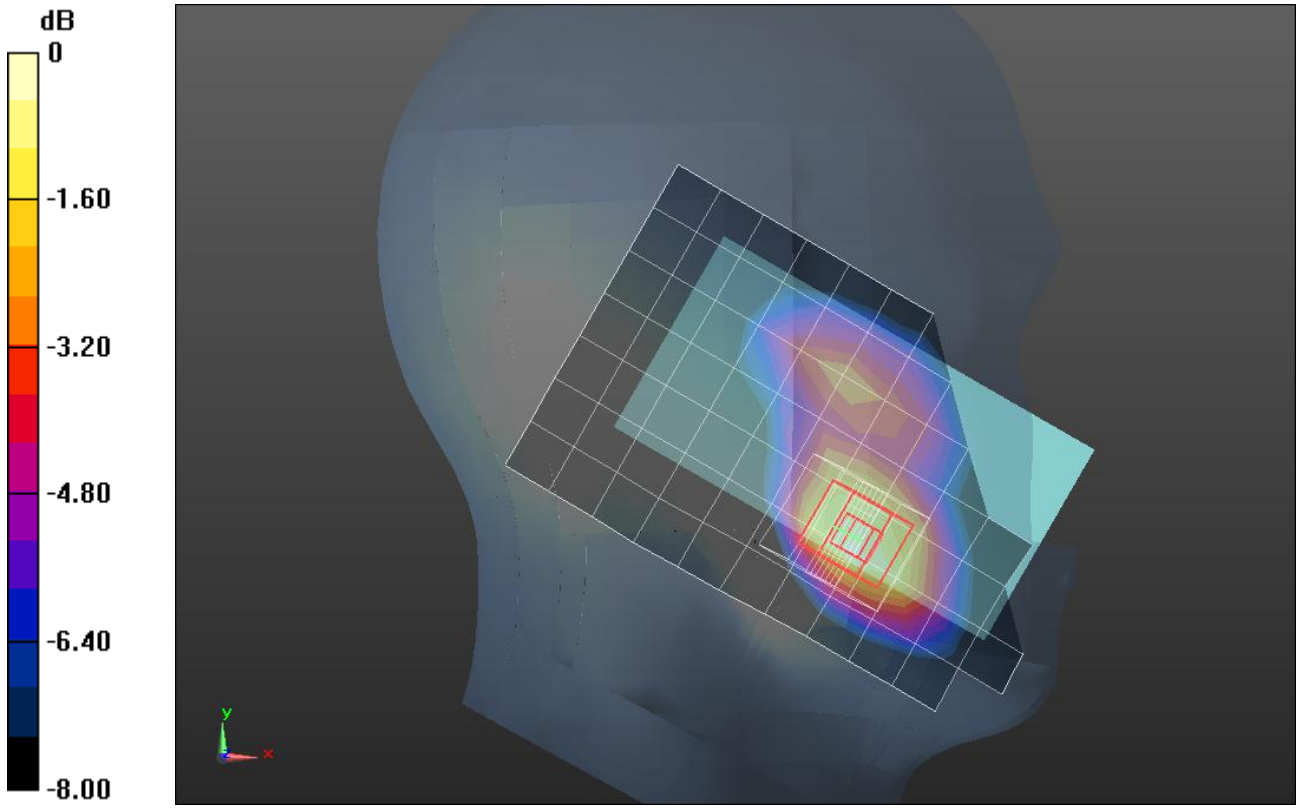
Frequency: 1732.5 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.326 S/m; ε_r = 39.255; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1380; Calibrated: 7/15/2013
- Probe: EX3DV4 - SN3936; ConvF(8.1, 8.1, 8.1); Calibrated: 7/22/2013;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM with CRP; Type: QD000P40CD; Serial: S/n:1772

LHS/Touch_QPSK_1/0 RB_Ch 20175/Area Scan (8x12x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.523 W/kg

LHS/Touch_QPSK_1/0 RB_Ch 20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.378 V/m; Power Drift = -0.17 dB
Peak SAR (extrapolated) = 0.691 W/kg
SAR(1 g) = 0.452 W/kg; SAR(10 g) = 0.280 W/kg
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.557 W/kg



0 dB = 0.557 W/kg = -2.54 dBW/kg

LTE Band 4

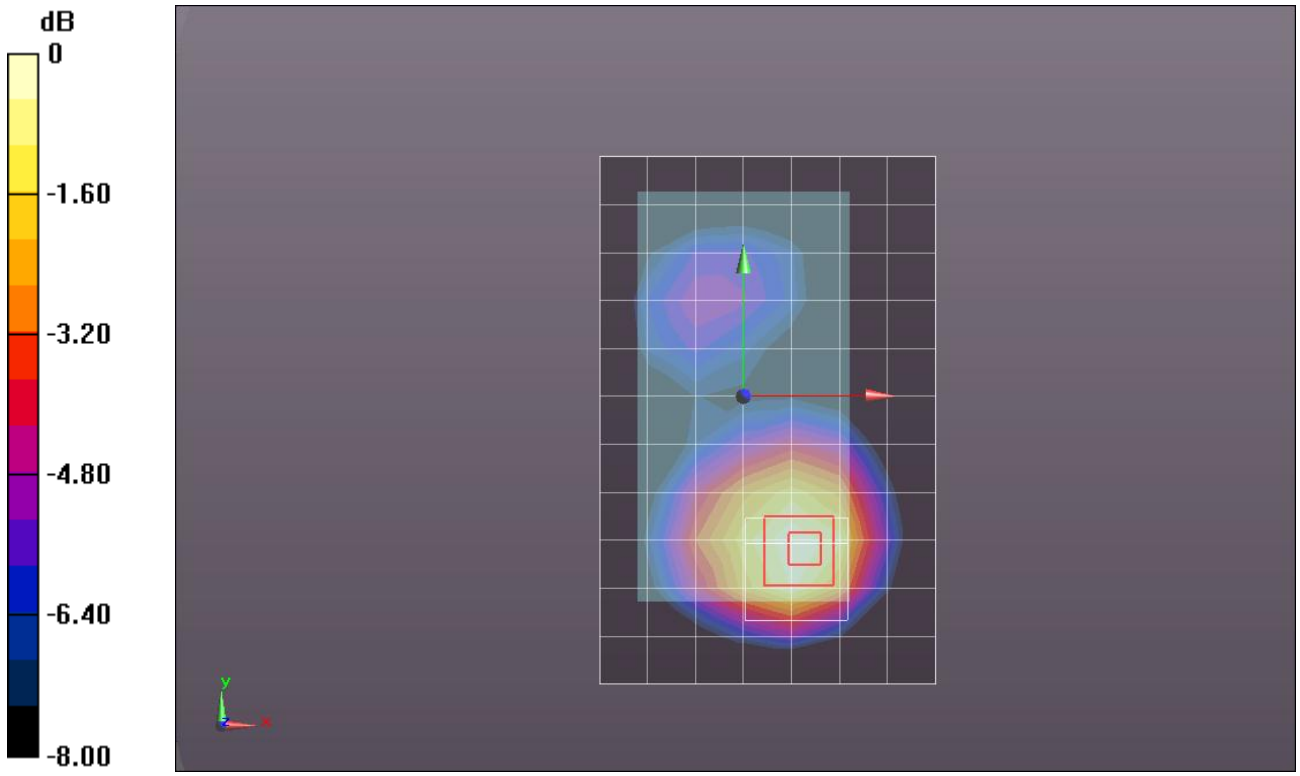
Frequency: 1732.5 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used (interpolated): f = 1732.5 MHz; σ = 1.433 S/m; ε_r = 51.944; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1343; Calibrated: 7/24/2013
- Probe: EX3DV4 - SN3885; ConvF(7.59, 7.59, 7.59); Calibrated: 9/18/2013;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (B); Type: QDOVA001BB; Serial: 1118

Rear/QPSK_1/0 RB_Ch 20175/Area Scan (8x12x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.894 W/kg

Rear/QPSK_1/0 RB_Ch 20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 25.337 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 1.16 W/kg
SAR(1 g) = 0.748 W/kg; SAR(10 g) = 0.472 W/kg
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.906 W/kg



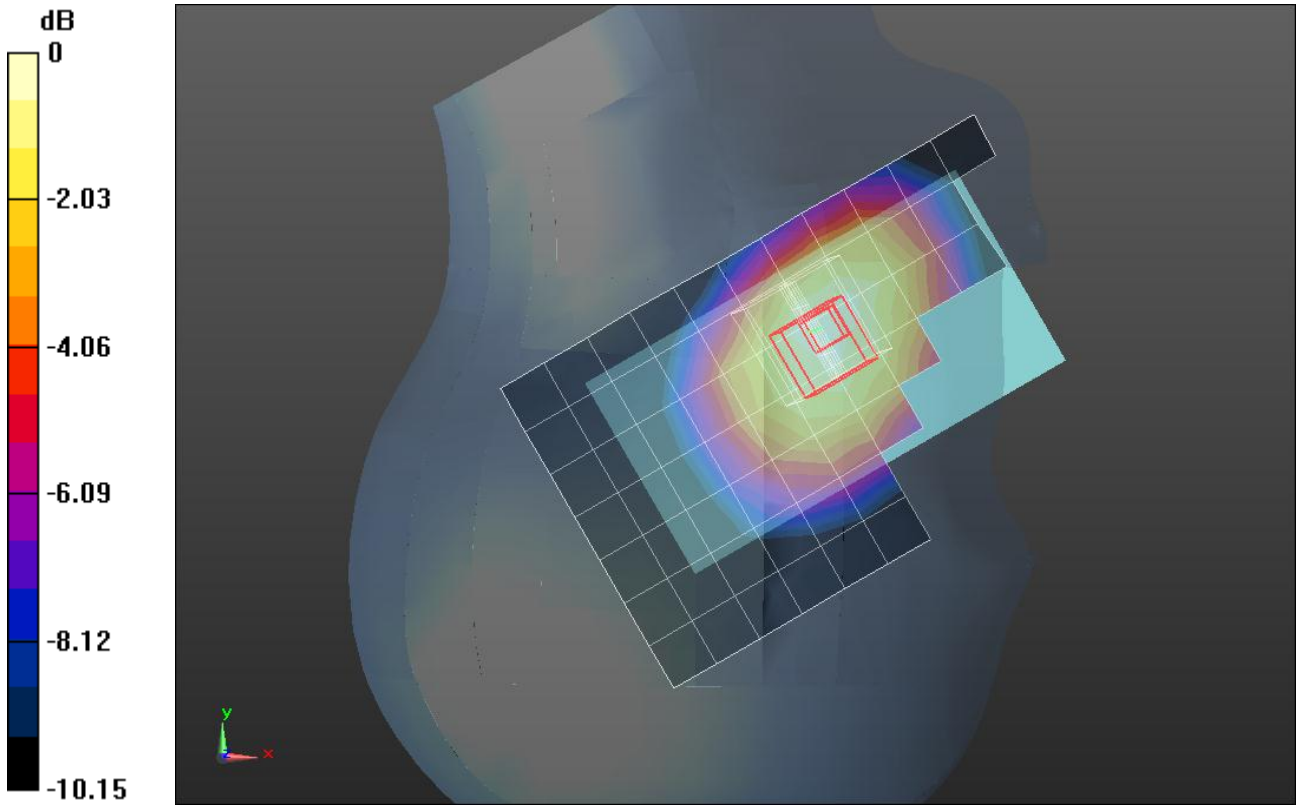
0 dB = 0.906 W/kg = -0.43 dBW/kg

LTE Band 17

Frequency: 710 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 710 MHz; σ = 0.86 S/m; ε_r = 41.071; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1380; Calibrated: 7/15/2013
- Probe: EX3DV4 - SN3936; ConvF(9.77, 9.77, 9.77); Calibrated: 7/22/2013;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM with CRP; Type: SAM;

RHS/Touch_QPSK_1/25 RB_Ch 23790/Area Scan (8x12x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.545 W/kg

RHS/Touch_QPSK_1/25 RB_Ch 23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 25.258 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.650 W/kg
SAR(1 g) = 0.470 W/kg; SAR(10 g) = 0.346 W/kg
Maximum value of SAR (measured) = 0.544 W/kg



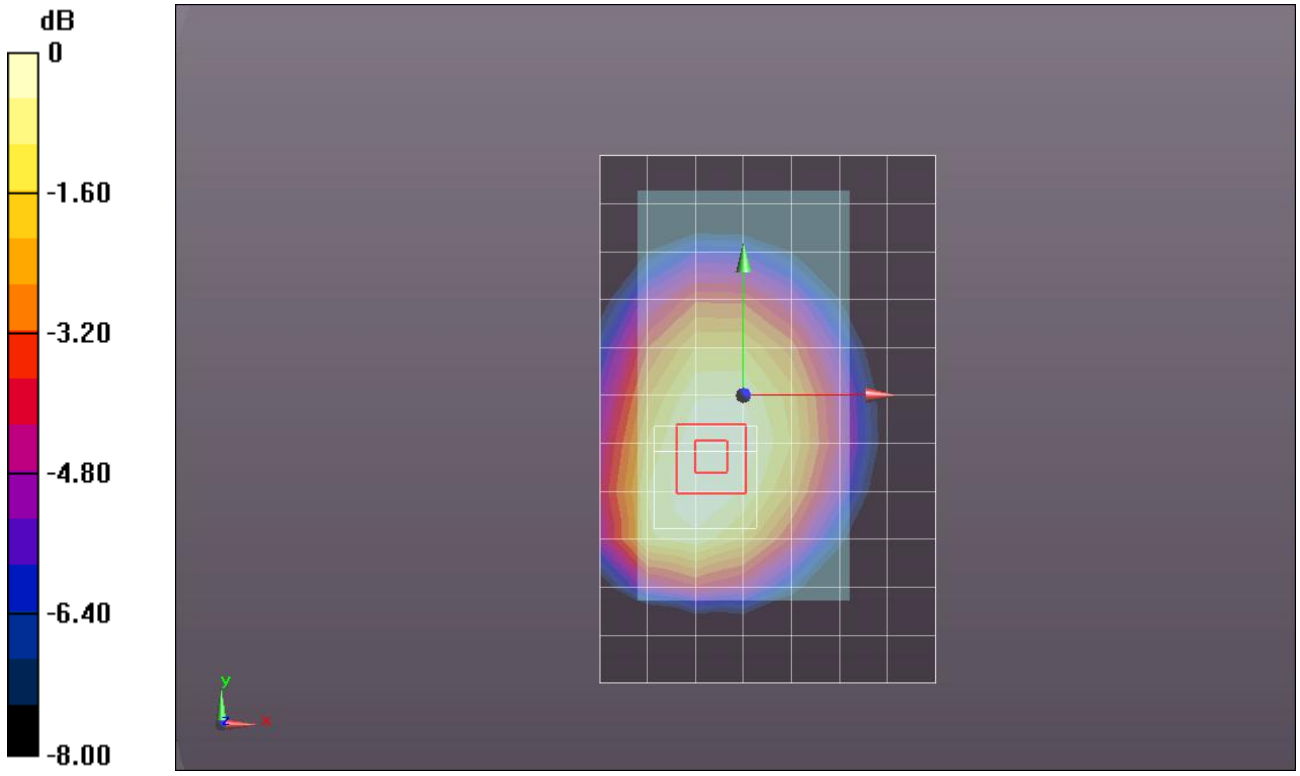
0 dB = 0.544 W/kg = -2.64 dBW/kg

LTE Band 17

Frequency: 710 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 710 MHz; σ = 0.927 S/m; ε_r = 53.946; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1343; Calibrated: 7/24/2013
- Probe: EX3DV4 - SN3885; ConvF(9.14, 9.14, 9.14); Calibrated: 9/18/2013;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1117

Rear/QPSK_1/25 RB_Ch 23790/Area Scan (8x12x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.554 W/kg

Rear/QPSK_1/25 RB_Ch 23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 24.809 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.628 W/kg
SAR(1 g) = 0.497 W/kg; SAR(10 g) = 0.376 W/kg
Maximum value of SAR (measured) = 0.557 W/kg



0 dB = 0.557 W/kg = -2.54 dBW/kg

Wi-Fi 2.4 GHz

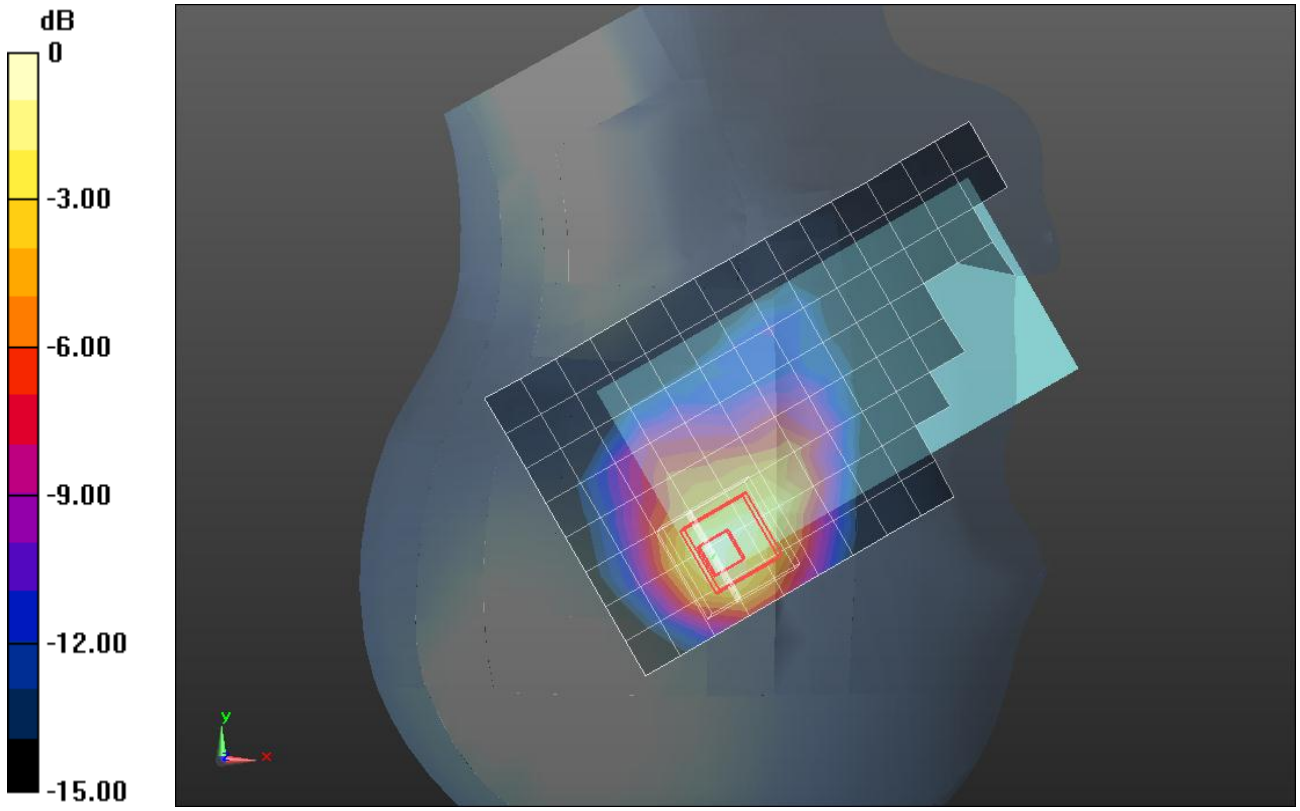
Frequency: 2412 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used (interpolated): f = 2412 MHz; σ = 1.843 S/m; ε_r = 37.801; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1377; Calibrated: 7/15/2013
- Probe: EX3DV4 - SN3902; ConvF(7.49, 7.49, 7.49); Calibrated: 7/12/2013;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM with CRP; Type: QD000P40CD; Serial: 1768

RHS/Touch_802.11b_ch 1/Area Scan (9x15x1): Measurement grid: dx=12mm, dy=12mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.311 W/kg

RHS/Touch_802.11b_ch 1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.916 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.531 W/kg
SAR(1 g) = 0.236 W/kg; SAR(10 g) = 0.111 W/kg
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.333 W/kg



0 dB = 0.333 W/kg = -4.78 dBW/kg

Wi-Fi 2.4 GHz (10mm)

Frequency: 2412 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used (interpolated): f = 2412 MHz; σ = 1.934 S/m; ε_r = 50.956; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1377; Calibrated: 7/15/2013
- Probe: EX3DV4 - SN3902; ConvF(7.2, 7.2, 7.2); Calibrated: 7/12/2013;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI-B v5.0; Type: QDOVA001BB; Serial: 1215

Rear/802.11b_ch 1/Area Scan (9x14x1): Measurement grid: dx=12mm, dy=12mm

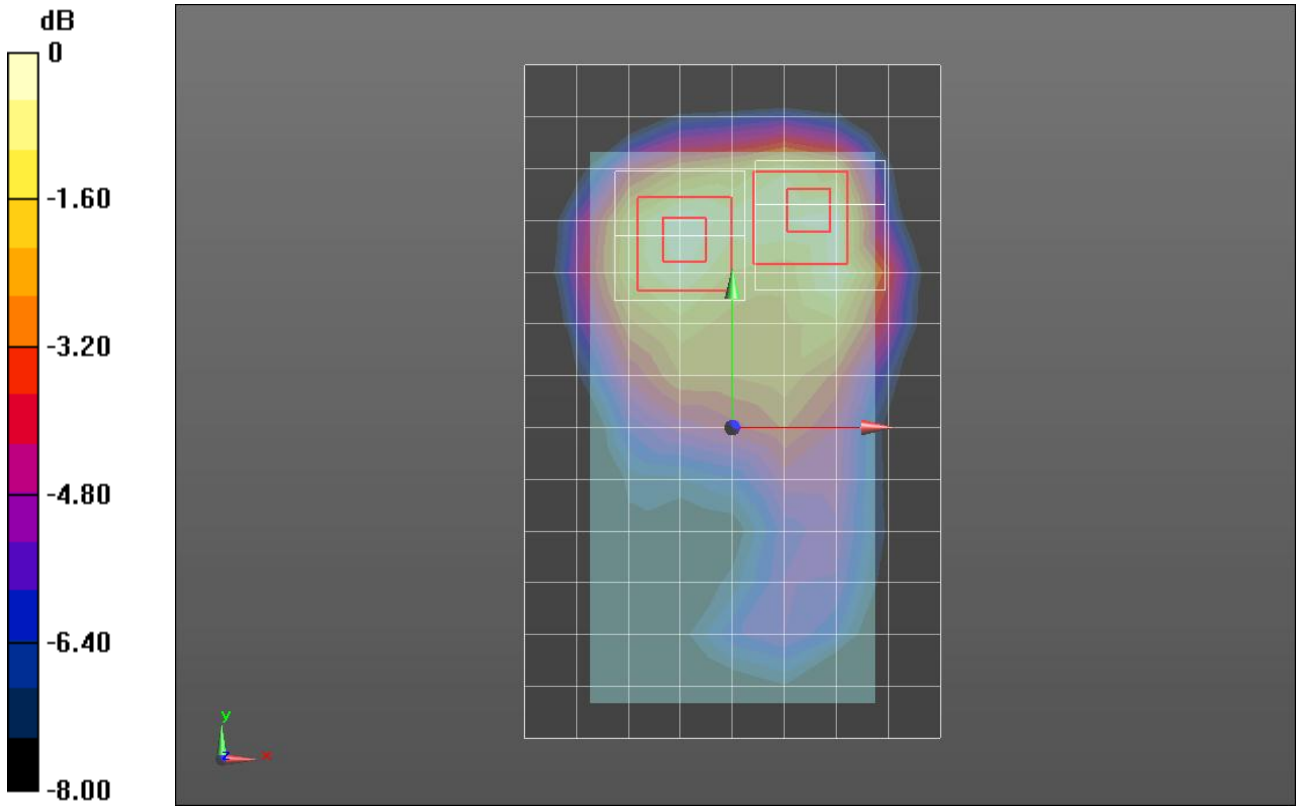
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.129 W/kg

Rear/802.11b_ch 1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.421 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.204 W/kg
SAR(1 g) = 0.099 W/kg; SAR(10 g) = 0.051 W/kg
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.135 W/kg

Rear/802.11b_ch 1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.421 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.183 W/kg
SAR(1 g) = 0.103 W/kg; SAR(10 g) = 0.057 W/kg
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.133 W/kg



0 dB = 0.133 W/kg = -8.76 dBW/kg