

## 20140917\_SystemPerformanceCheck-D835V2 SN 4d002

Frequency: 835 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used:  $f = 835 \text{ MHz}$ ;  $\sigma = 0.931 \text{ S/m}$ ;  $\epsilon_r = 42.149$ ;  $\rho = 1000 \text{ kg/m}^3$

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 - SN3902; ConvF(10.04, 10.04, 10.04); Calibrated: 5/19/2014;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM; Type: QD000P40CD; Serial: TP 1751

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

Reference Value = 34.099 V/m; Power Drift = 0.10 dB

**Fast SAR: SAR(1 g) = 0.923 W/kg; SAR(10 g) = 0.621 W/kg**

Maximum value of SAR (interpolated) = 1.09 W/kg

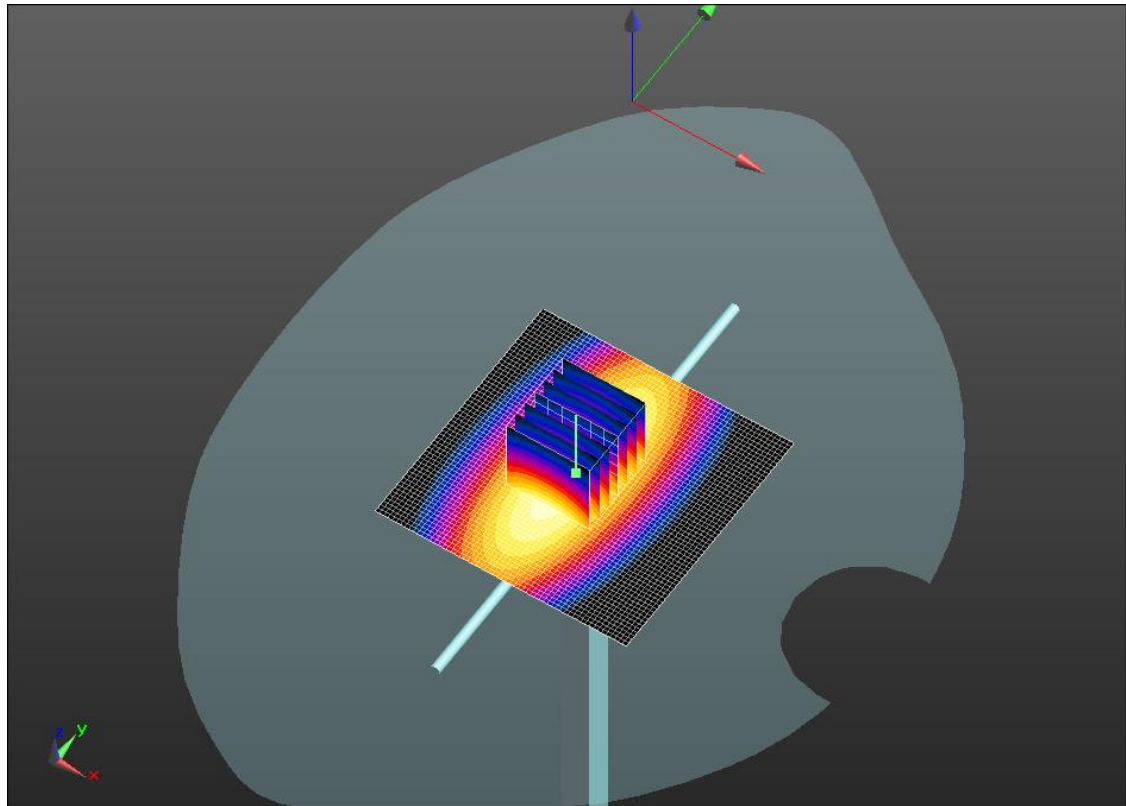
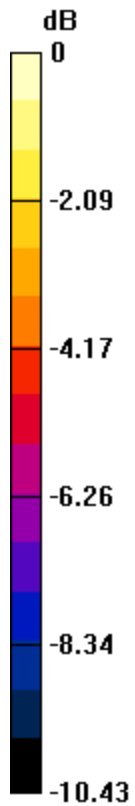
**Head/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 34.099 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 1.35 W/kg

**SAR(1 g) = 0.911 W/kg; SAR(10 g) = 0.598 W/kg**

Maximum value of SAR (measured) = 1.11 W/kg

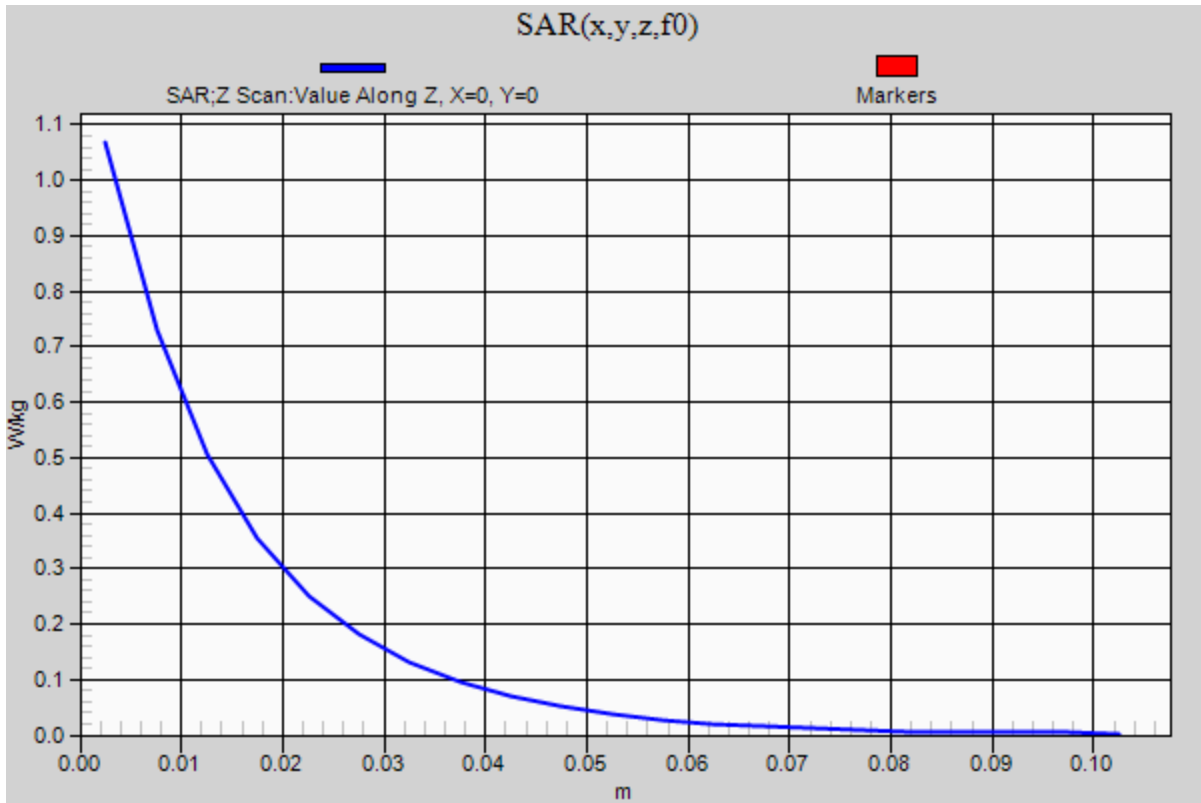


0 dB = 1.11 W/kg = 0.45 dBW/kg

### 20140917\_SystemPerformanceCheck-D835V2 SN 4d002

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) = 1.07 W/kg



### 20140917 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;  $\sigma = 2.023$  S/m;  $\epsilon_r = 50.311$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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 Sn1359; Calibrated: 2/17/2014
- Probe: EX3DV3 - SN3531; ConvF(7.44, 7.44, 7.44); Calibrated: 11/21/2013;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI B v4.0; Type: QDOVA002AA; Serial: 1196

**Body/Pin=100 mW/Area Scan (71x71x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Reference Value = 34.276 V/m; Power Drift = -0.06 dB

**Fast SAR: SAR(1 g) = 5 W/kg; SAR(10 g) = 2.19 W/kg**

Maximum value of SAR (interpolated) = 7.39 W/kg

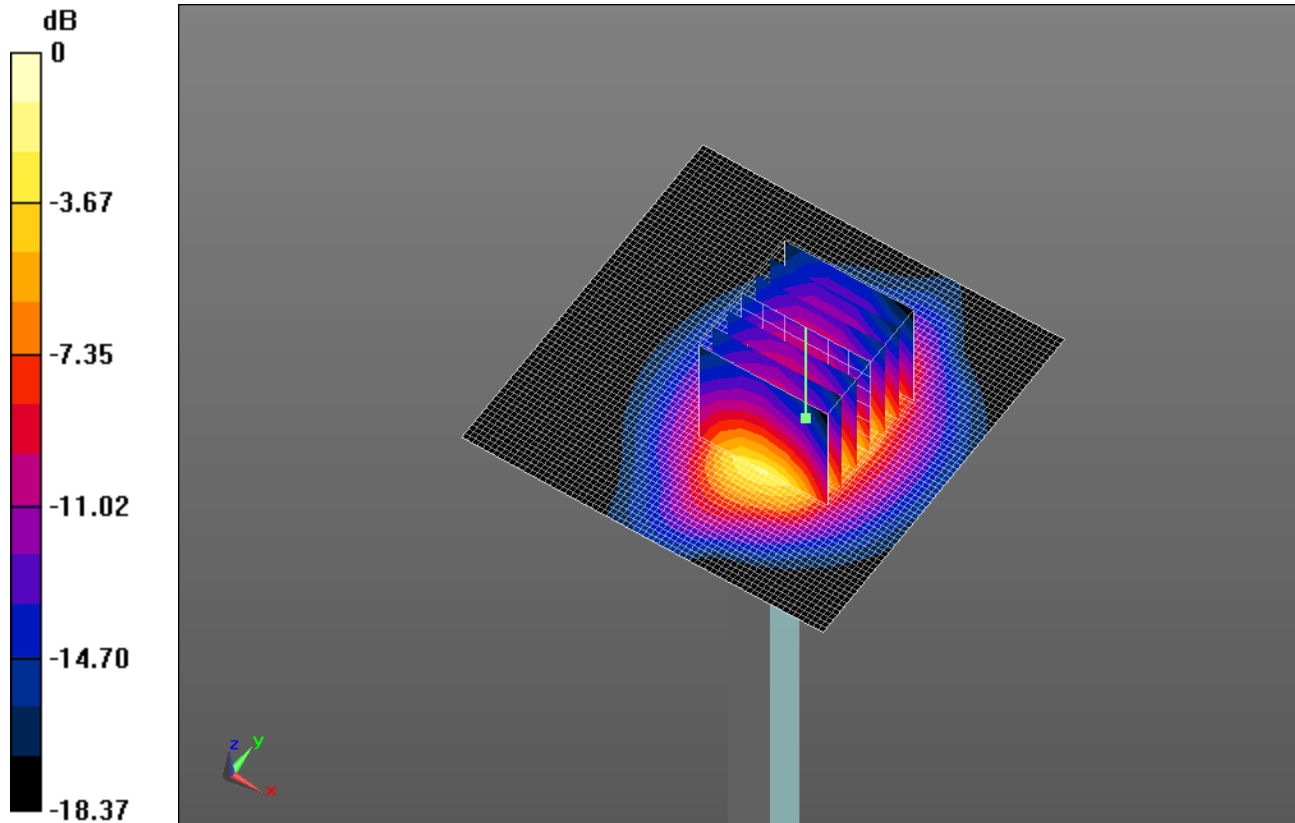
**Body/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 34.276 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 9.35 W/kg

**SAR(1 g) = 5.19 W/kg; SAR(10 g) = 2.57 W/kg**

Maximum value of SAR (measured) = 7.05 W/kg

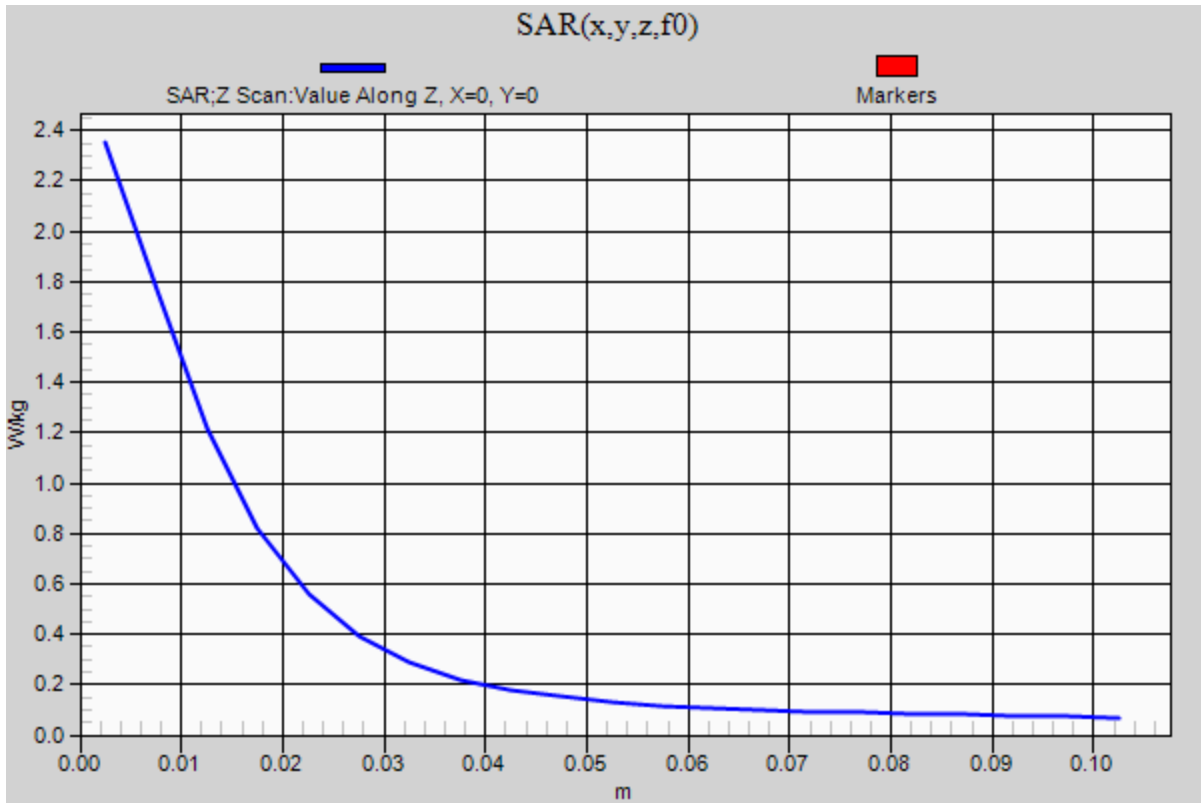


0 dB = 7.05 W/kg = 8.48 dBW/kg

### 20140917 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) = 2.35 W/kg



## 20140915 SystemPerformanceCheck-D1900V2 SN 5d043

Frequency: 1900 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.514$  S/m;  $\epsilon_r = 51.373$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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: 7/23/2014
- Probe: EX3DV4 - SN3773; ConvF(6.9, 6.9, 6.9); Calibrated: 4/22/2014;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1213

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

Reference Value = 57.60 V/m; Power Drift = 0.02 dB

**Fast SAR: SAR(1 g) = 3.82 W/kg; SAR(10 g) = 1.95 W/kg**

Maximum value of SAR (interpolated) = 5.08 W/kg

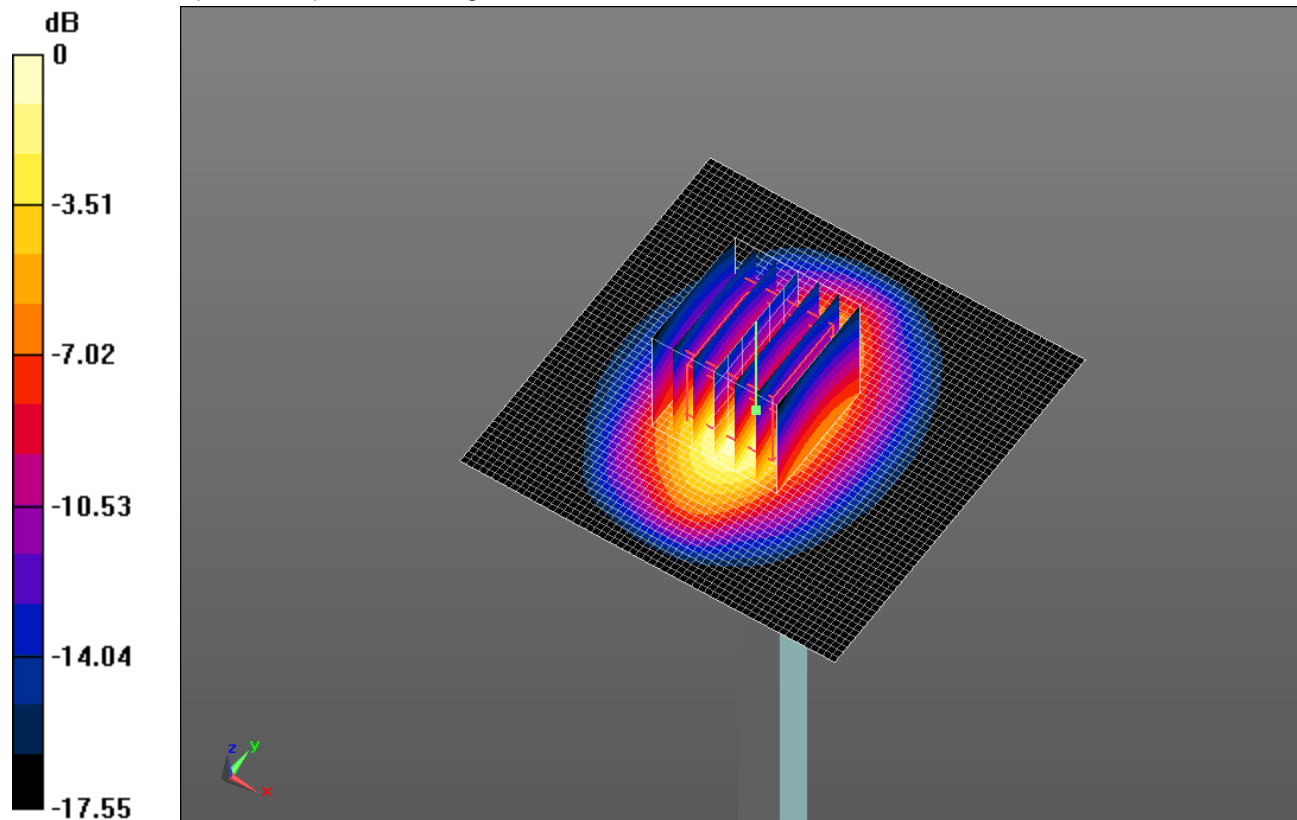
**Body/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 57.60 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 6.90 W/kg

**SAR(1 g) = 3.74 W/kg; SAR(10 g) = 1.94 W/kg**

Maximum value of SAR (measured) = 5.07 W/kg

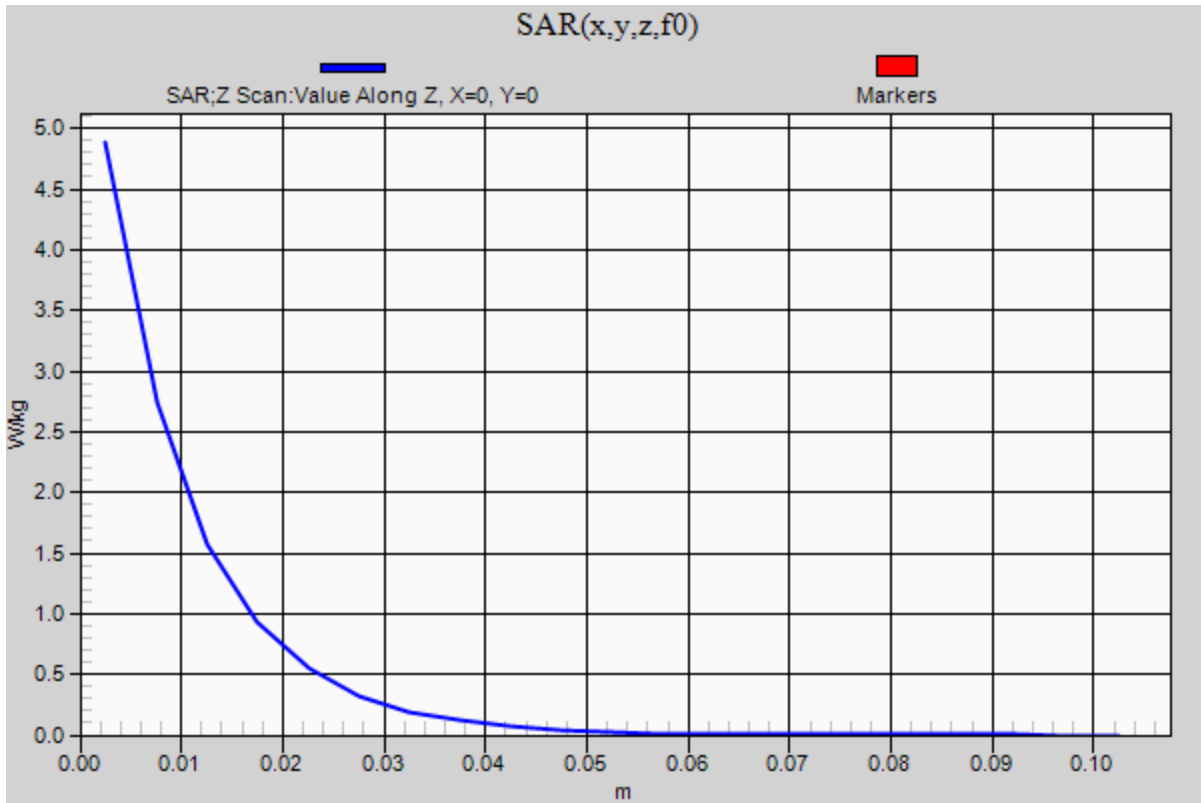


0 dB = 5.07 W/kg = 7.05 dBW/kg

### 20140915 SystemPerformanceCheck-D1900V2 SN 5d043

Frequency: 1900 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) = 4.88 W/kg



## GSM 850

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;  $\sigma = 0.932$  S/m;  $\epsilon_r = 40.786$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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 - SN3902; ConvF(10.04, 10.04, 10.04); Calibrated: 5/19/2014;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM; Type: QD000P40CD; Serial: TP 1751

**LHS/Touch\_GSM Voice Ch. 190/Area Scan (7x12x1):** Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.282 W/kg

**LHS/Touch\_GSM Voice Ch. 190/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

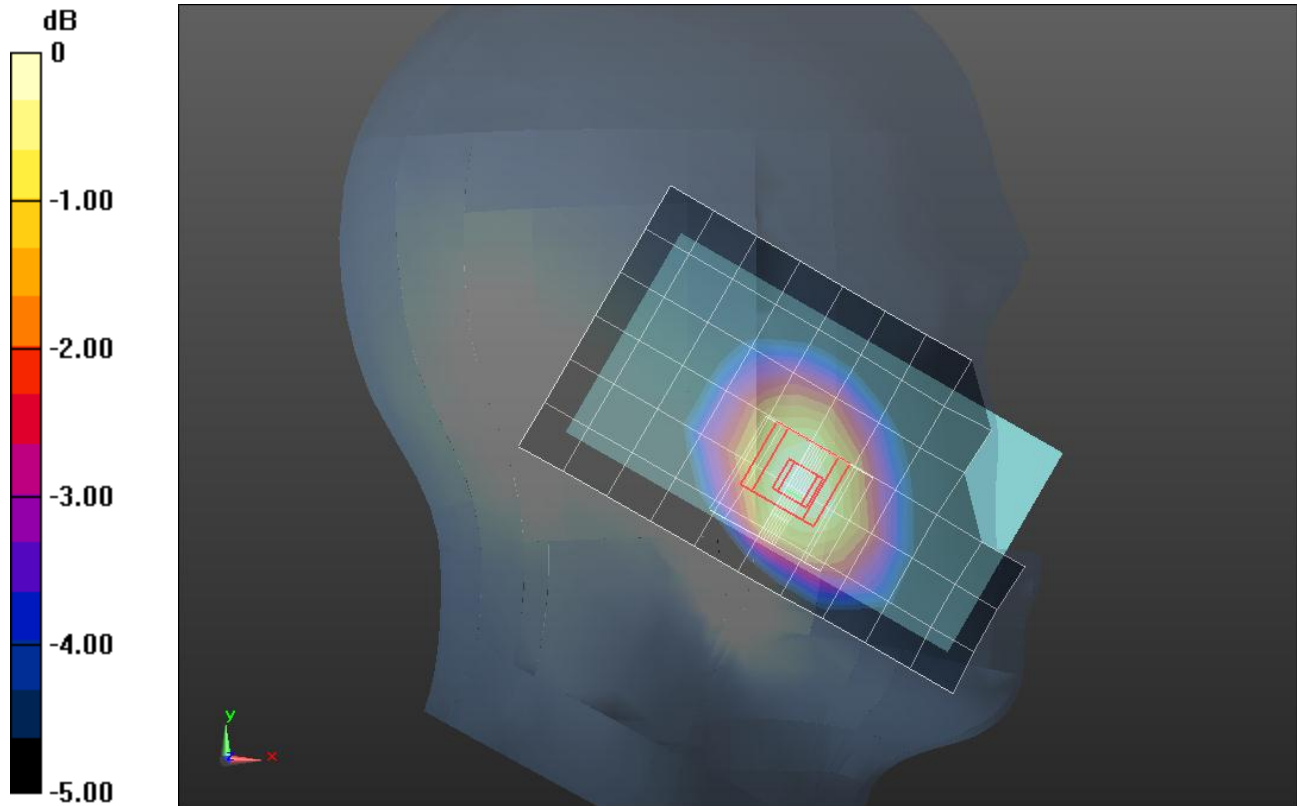
Reference Value = 17.629 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.320 W/kg

**SAR(1 g) = 0.254 W/kg; SAR(10 g) = 0.191 W/kg**

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.283 W/kg



0 dB = 0.283 W/kg = -5.48 dBW/kg

## GSM 850

Frequency: 836.6 MHz; Duty Cycle: 1:2.60016; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.932$  S/m;  $\epsilon_r = 40.786$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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 - SN3902; ConvF(10.04, 10.04, 10.04); Calibrated: 5/19/2014;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM; Type: QD000P40CD; Serial: TP 1751

**LHS/Touch\_GPRS 3 Slot Ch. 190/Area Scan (7x12x1):** Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.375 W/kg

**LHS/Touch\_GPRS 3 Slot Ch. 190/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

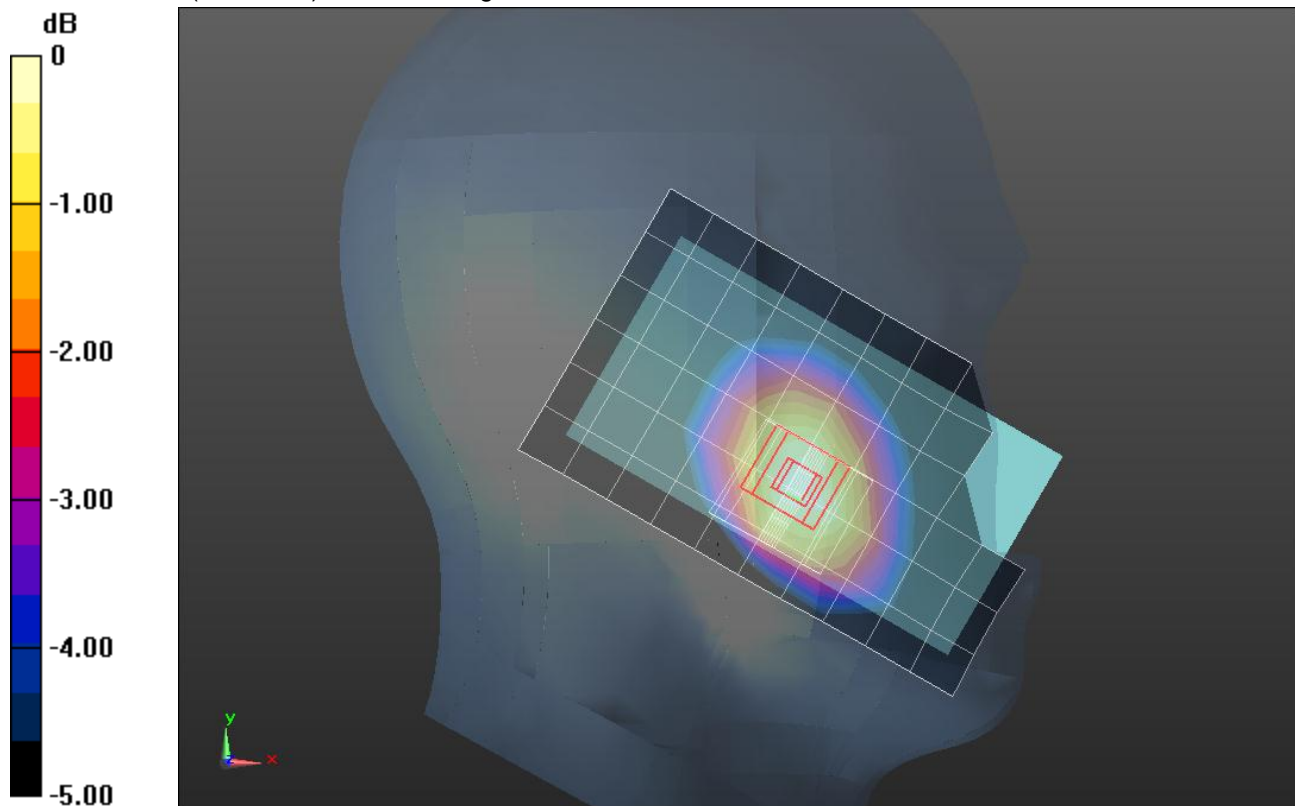
Reference Value = 20.232 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.415 W/kg

**SAR(1 g) = 0.329 W/kg; SAR(10 g) = 0.248 W/kg**

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.367 W/kg



0 dB = 0.367 W/kg = -4.35 dBW/kg

## GSM 850

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;  $\sigma = 1.016$  S/m;  $\epsilon_r = 52.841$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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 - SN3902; ConvF(9.86, 9.86, 9.86); Calibrated: 5/19/2014;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI-A v5.0; Type: QDOVA002AA; Serial: TP 1194

**Rear/GSM Voice Ch. 190/Area Scan (9x13x1):** Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.481 W/kg

**Rear/GSM Voice Ch. 190/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

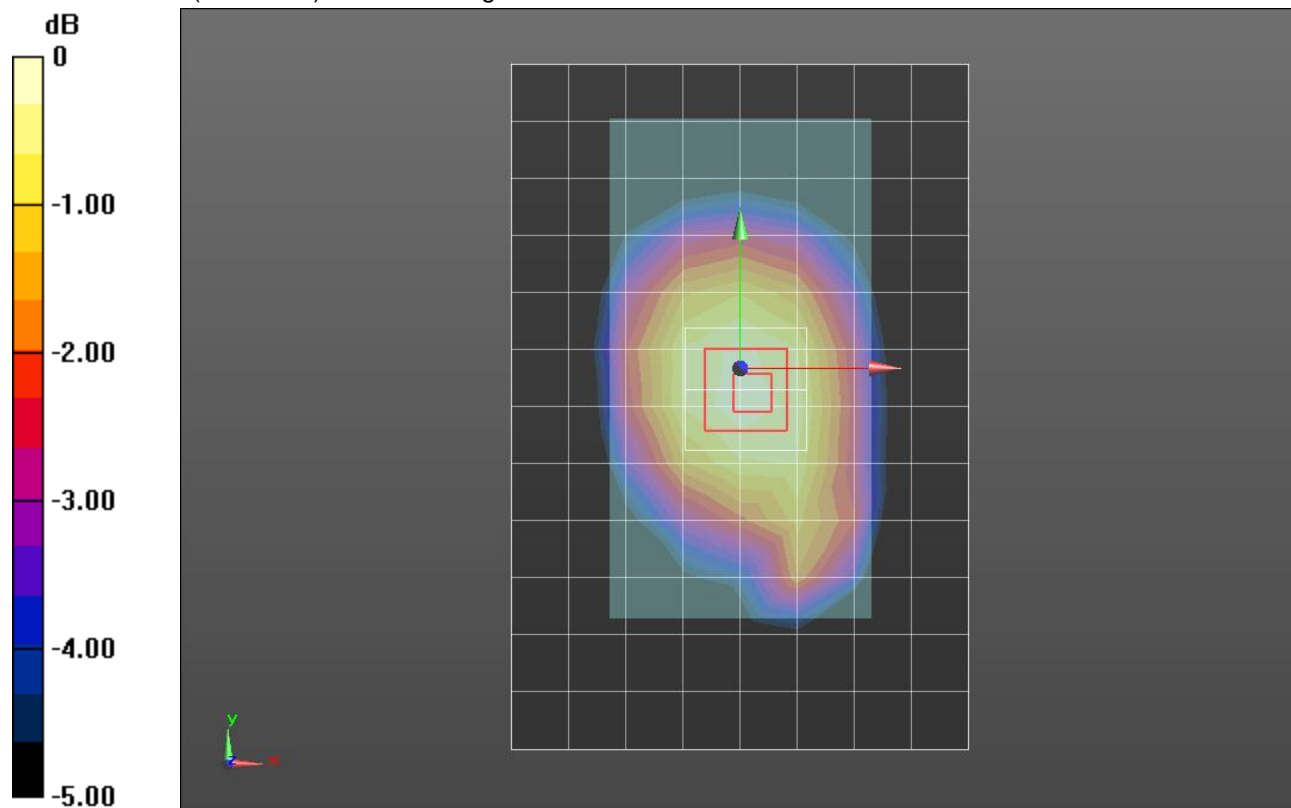
Reference Value = 22.159 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.551 W/kg

**SAR(1 g) = 0.436 W/kg; SAR(10 g) = 0.331 W/kg**

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.491 W/kg



0 dB = 0.491 W/kg = -3.09 dBW/kg

## GSM 850

Frequency: 836.6 MHz; Duty Cycle: 1:2.60016; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 1.016$  S/m;  $\epsilon_r = 52.841$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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 - SN3902; ConvF(9.86, 9.86, 9.86); Calibrated: 5/19/2014;
- 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

**Rear/GPRS 3 Slot Ch. 190/Area Scan (9x13x1):** Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.718 W/kg

**Rear/GPRS 3 Slot Ch. 190/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

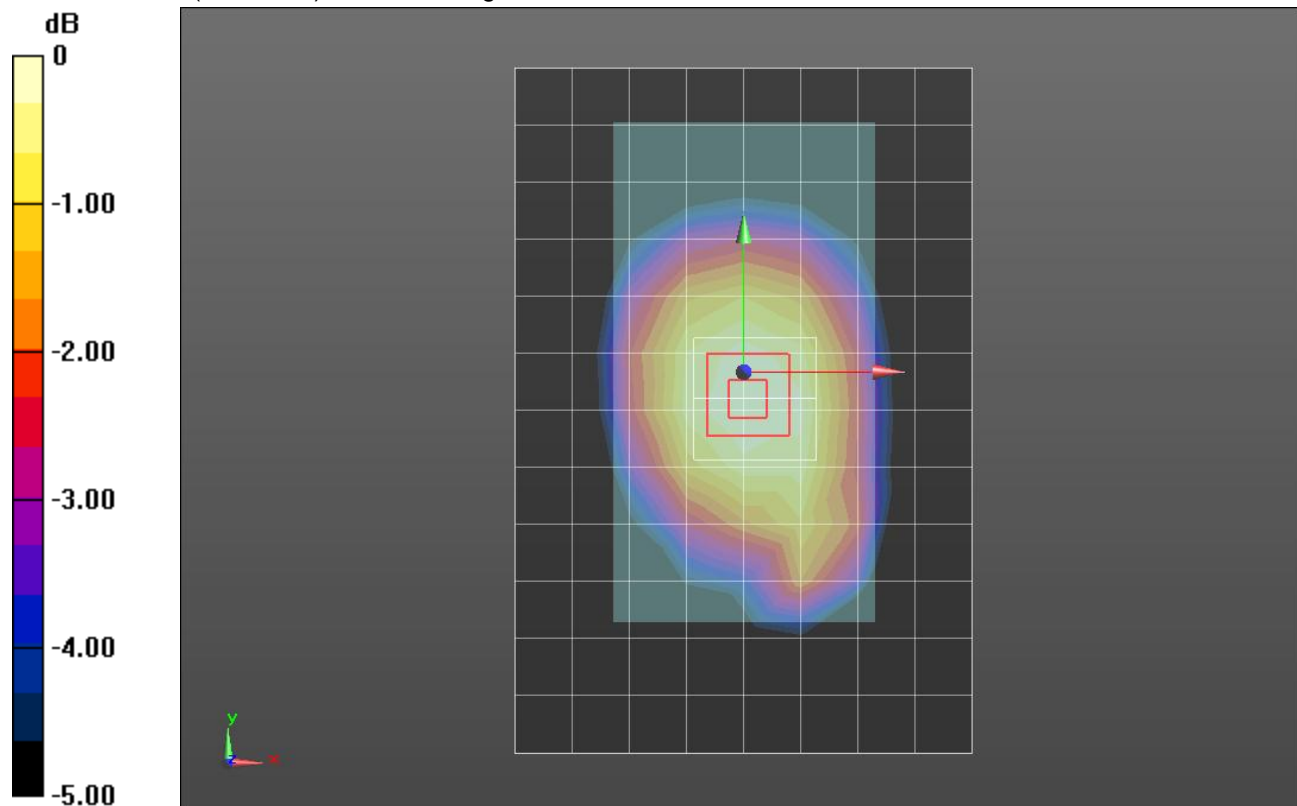
Reference Value = 26.723 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.788 W/kg

**SAR(1 g) = 0.627 W/kg; SAR(10 g) = 0.478 W/kg**

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.706 W/kg



0 dB = 0.706 W/kg = -1.51 dBW/kg

## GSM 1900

Frequency: 1880 MHz; Duty Cycle: 1:8.00018; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used:  $f = 1880 \text{ MHz}$ ;  $\sigma = 1.377 \text{ S/m}$ ;  $\epsilon_r = 39.398$ ;  $\rho = 1000 \text{ kg/m}^3$

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: 7/23/2014
- Probe: EX3DV4 - SN3773; ConvF(7.26, 7.26, 7.26); Calibrated: 4/22/2014;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM with CRP; Type: SAM;

**LHS/Touch\_GSM Voice\_ch 661/Area Scan (7x12x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.274 W/kg

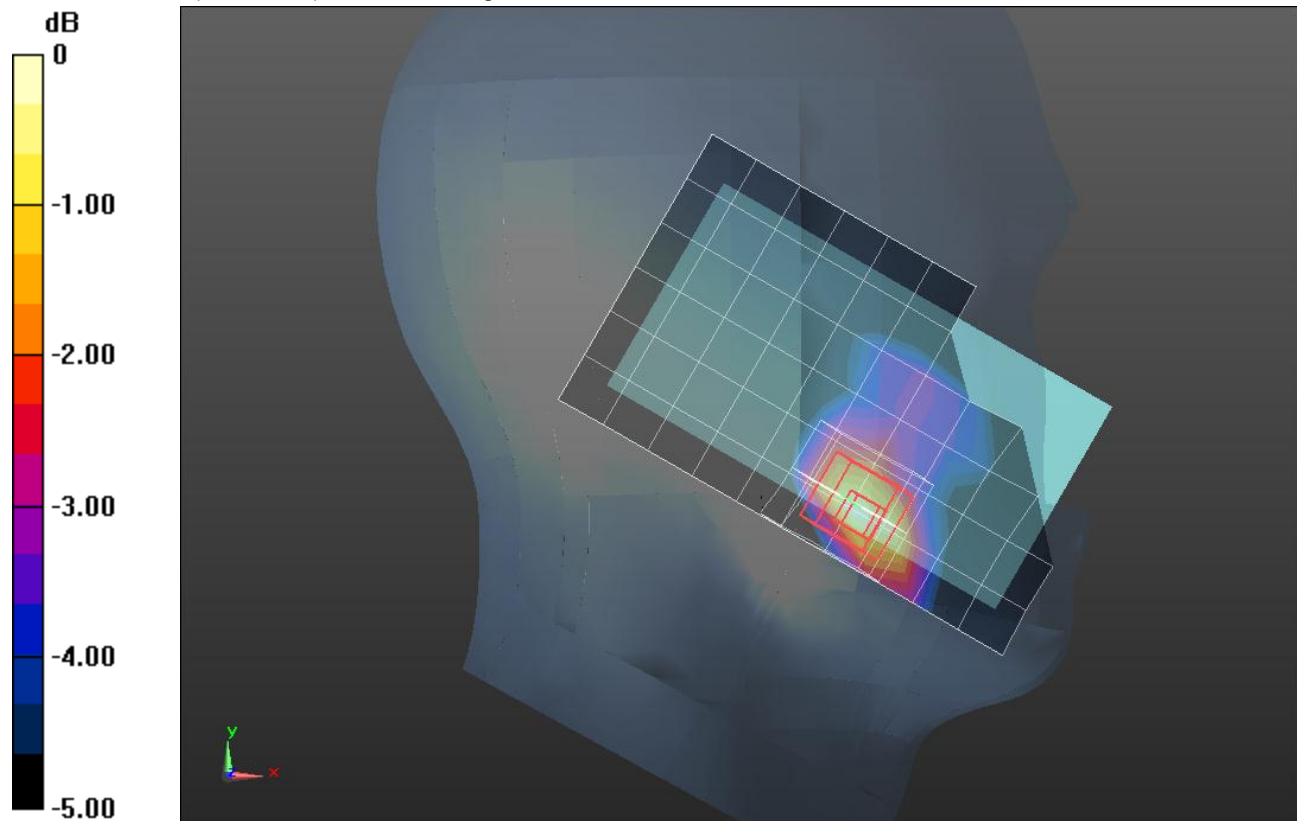
**LHS/Touch\_GSM Voice\_ch 661/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.07 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.348 W/kg

**SAR(1 g) = 0.227 W/kg; SAR(10 g) = 0.136 W/kg**

Maximum value of SAR (measured) = 0.279 W/kg



0 dB = 0.279 W/kg = -5.54 dBW/kg

## GSM 1900

Frequency: 1880 MHz; Duty Cycle: 1:4.00037; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used:  $f = 1880 \text{ MHz}$ ;  $\sigma = 1.377 \text{ S/m}$ ;  $\epsilon_r = 39.398$ ;  $\rho = 1000 \text{ kg/m}^3$

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: 7/23/2014
- Probe: EX3DV4 - SN3773; ConvF(7.26, 7.26, 7.26); Calibrated: 4/22/2014;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM with CRP; Type: SAM;

**LHS/Touch\_GPRS 2 slots\_ch 661/Area Scan (7x12x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (measured) = 0.378 W/kg

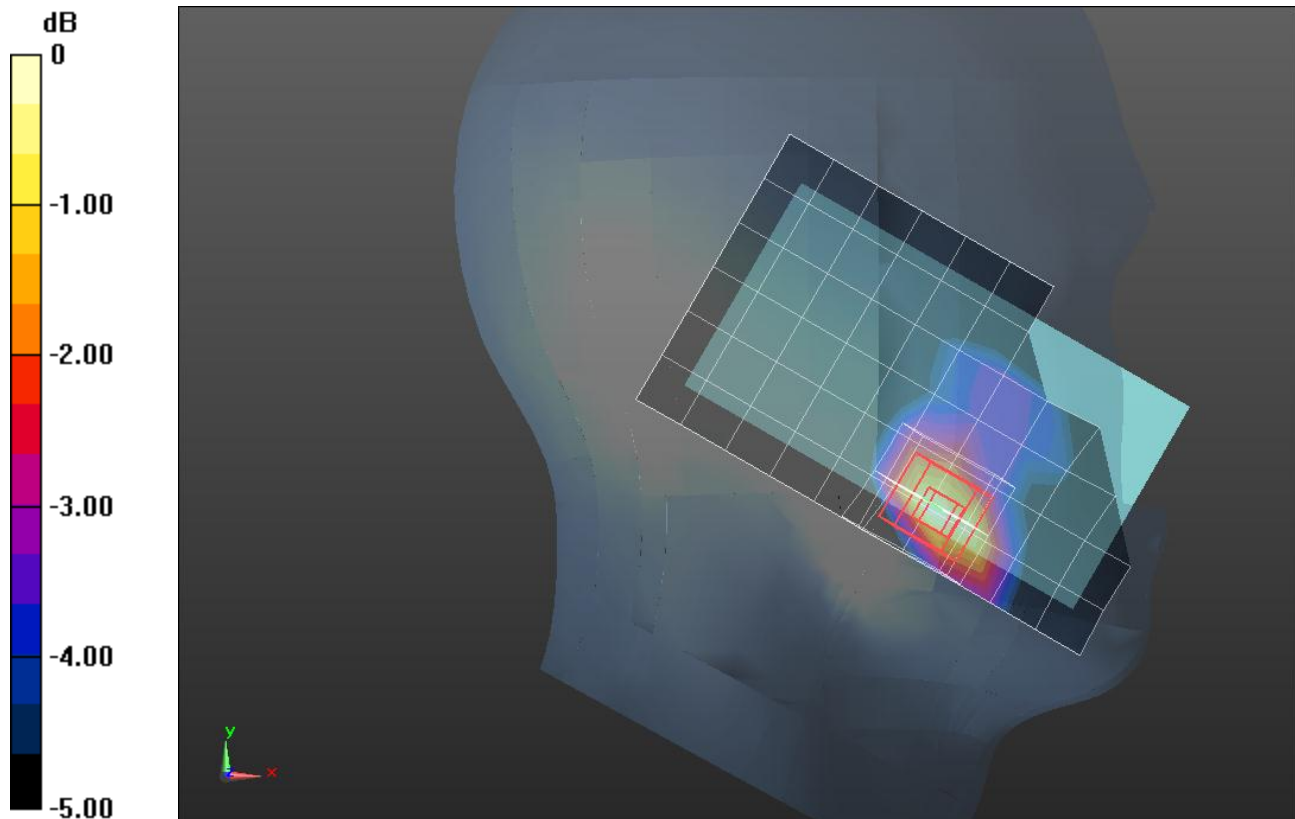
**LHS/Touch\_GPRS 2 slots\_ch 661/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.56 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.479 W/kg

**SAR(1 g) = 0.312 W/kg; SAR(10 g) = 0.186 W/kg**

Maximum value of SAR (measured) = 0.385 W/kg



0 dB = 0.385 W/kg = -4.15 dBW/kg

## GSM 1900

Frequency: 1880 MHz; Duty Cycle: 1:8.00018; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used:  $f = 1880 \text{ MHz}$ ;  $\sigma = 1.493 \text{ S/m}$ ;  $\epsilon_r = 51.438$ ;  $\rho = 1000 \text{ kg/m}^3$

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: 7/23/2014
- Probe: EX3DV4 - SN3773; ConvF(6.9, 6.9, 6.9); Calibrated: 4/22/2014;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1213

**Front/GSM Voice\_ch 661/Area Scan (7x12x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.434 W/kg

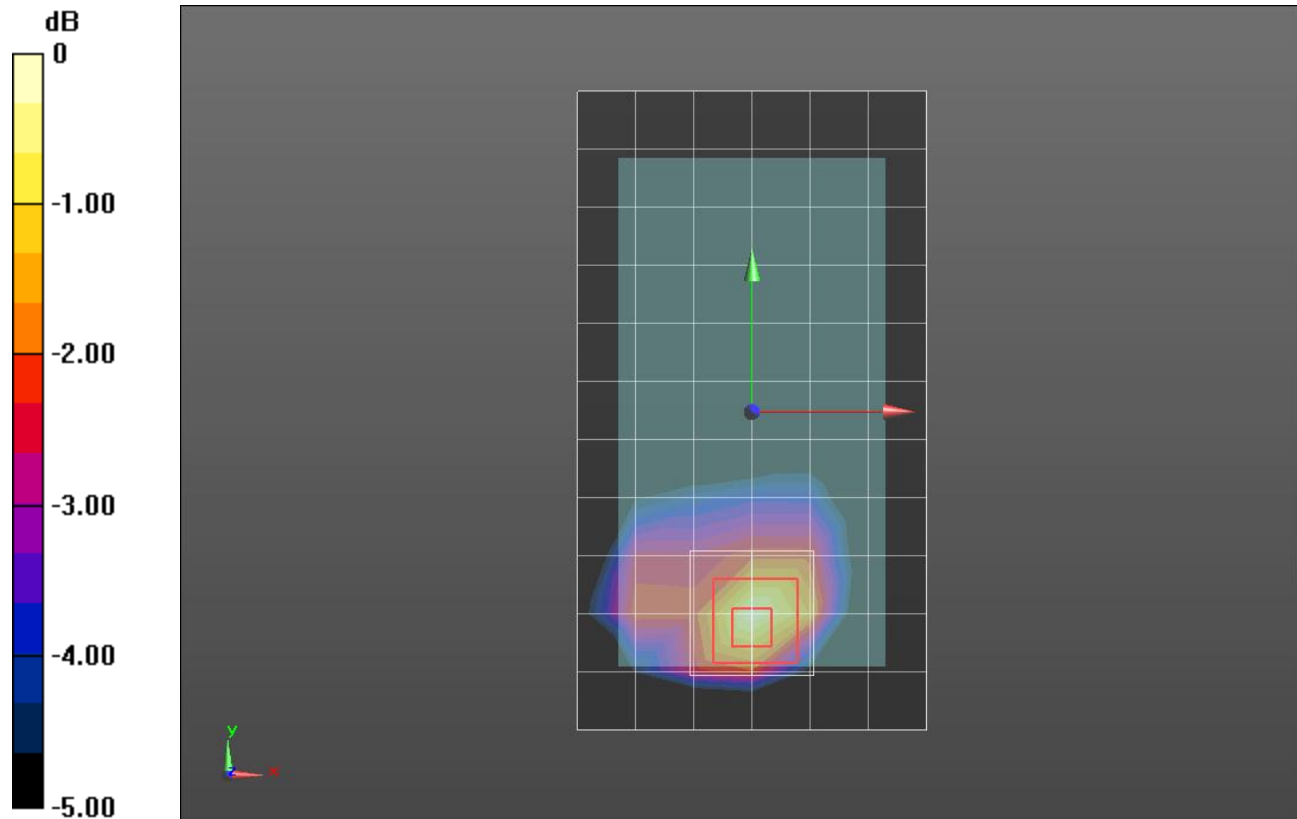
**Front/GSM Voice\_ch 661/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.37 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.595 W/kg

**SAR(1 g) = 0.364 W/kg; SAR(10 g) = 0.211 W/kg**

Maximum value of SAR (measured) = 0.439 W/kg



0 dB = 0.439 W/kg = -3.58 dBW/kg

## GSM 1900

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;  $\sigma = 1.493$  S/m;  $\epsilon_r = 51.438$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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: 7/23/2014
- Probe: EX3DV4 - SN3773; ConvF(6.9, 6.9, 6.9); Calibrated: 4/22/2014;
- 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: 1213

**Front/GPRS 2 slots\_ch 661/Area Scan (7x12x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.649 W/kg

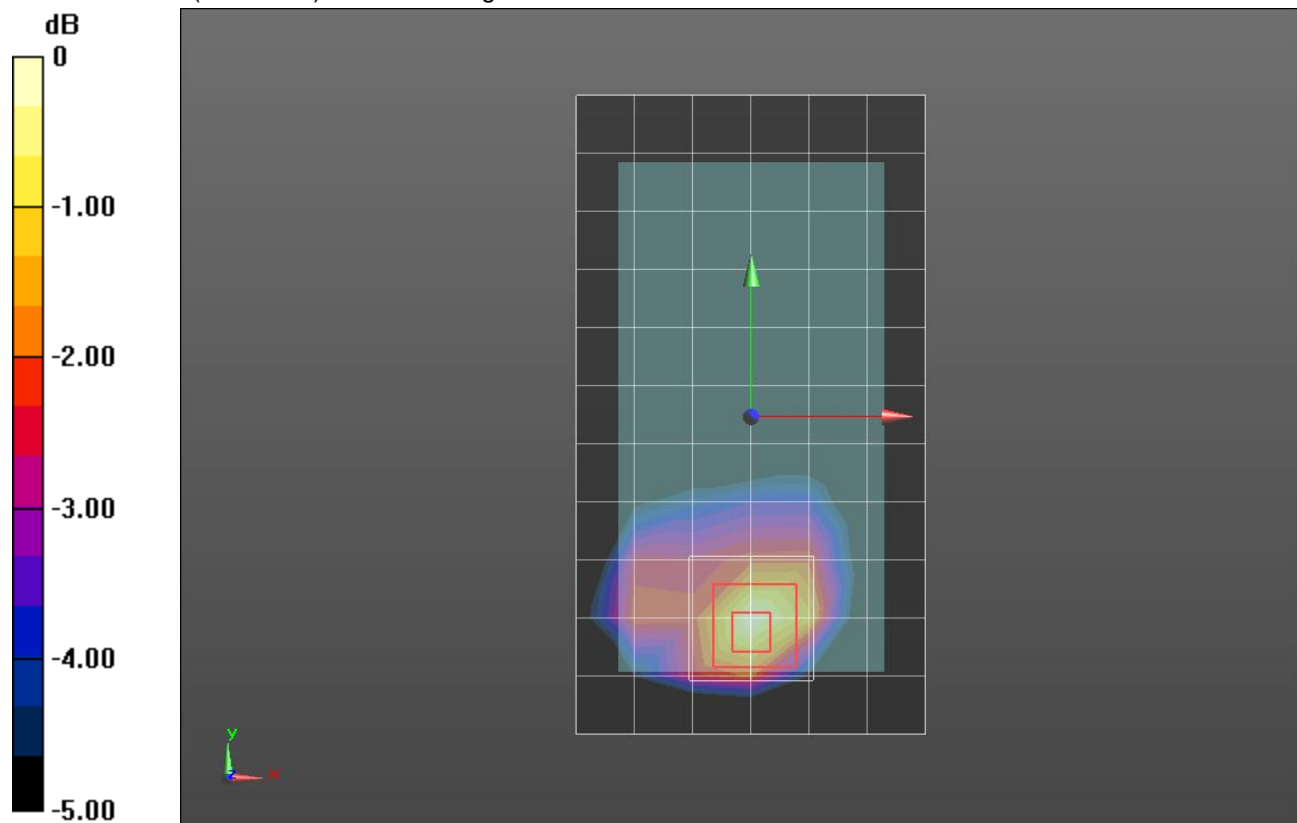
**Front/GPRS 2 slots\_ch 661/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.06 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.864 W/kg

**SAR(1 g) = 0.533 W/kg; SAR(10 g) = 0.310 W/kg**

Maximum value of SAR (measured) = 0.646 W/kg



0 dB = 0.646 W/kg = -1.90 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;  $\sigma = 0.932$  S/m;  $\epsilon_r = 40.786$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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 - SN3902; ConvF(10.04, 10.04, 10.04); Calibrated: 5/19/2014;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM; Type: QD000P40CD; Serial: TP 1751

**LHS/Touch\_RMC Rel .99\_ch 4183/Area Scan (8x13x1):** Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.237 W/kg

**LHS/Touch\_RMC Rel .99\_ch 4183/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

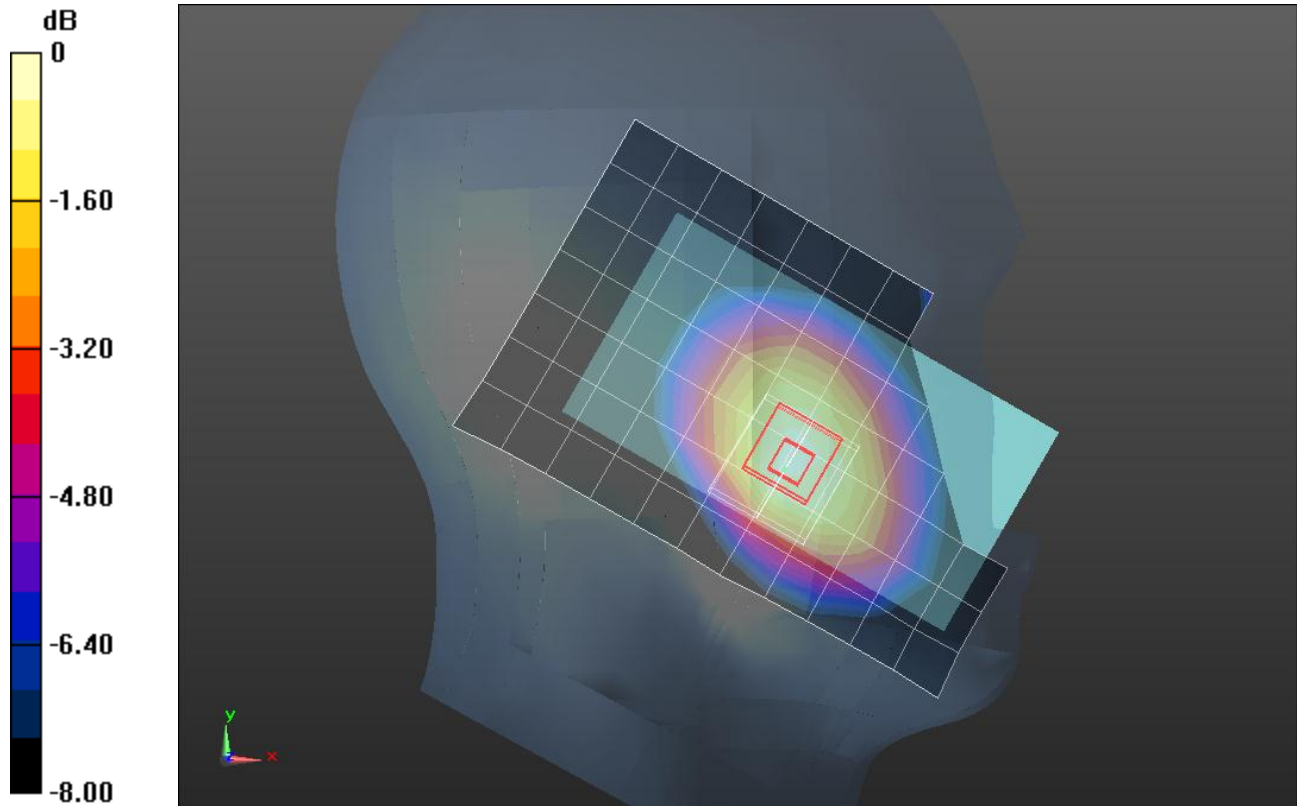
Reference Value = 16.122 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.278 W/kg

**SAR(1 g) = 0.218 W/kg; SAR(10 g) = 0.163 W/kg**

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.246 W/kg



0 dB = 0.246 W/kg = -6.09 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;  $\sigma = 1.016$  S/m;  $\epsilon_r = 52.841$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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 - SN3902; ConvF(9.86, 9.86, 9.86); Calibrated: 5/19/2014;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI-A v5.0; Type: QDOVA002AA; Serial: TP 1194

**Rear/RMC Rel .99\_ch 4183/Area Scan (9x13x1):** Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.411 W/kg

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

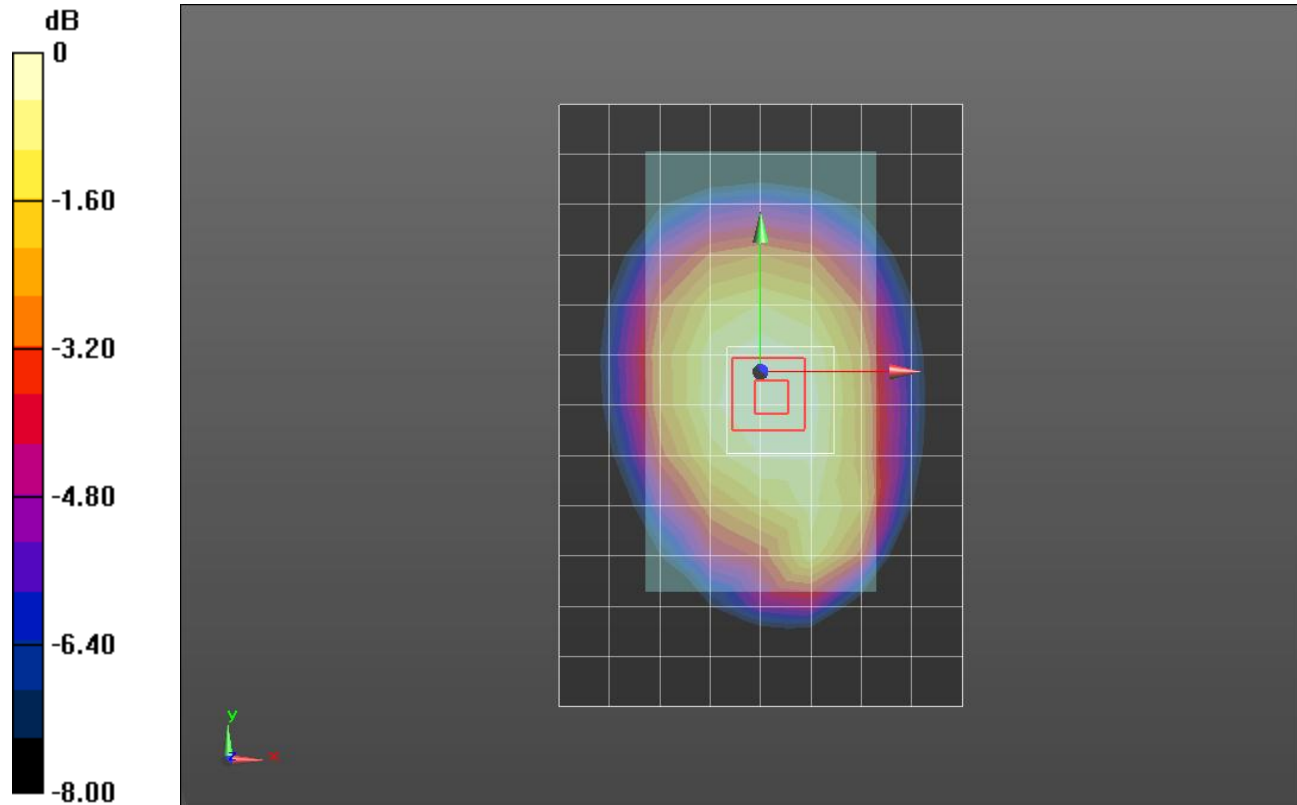
Reference Value = 19.997 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.456 W/kg

**SAR(1 g) = 0.359 W/kg; SAR(10 g) = 0.272 W/kg**

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.404 W/kg



0 dB = 0.404 W/kg = -3.94 dBW/kg

## LTE Band 5

Frequency: 836.5 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used (interpolated):  $f = 836.5$  MHz;  $\sigma = 0.932$  S/m;  $\epsilon_r = 42.129$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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 - SN3902; ConvF(10.04, 10.04, 10.04); Calibrated: 5/19/2014;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM; Type: QD000P40CD; Serial: TP 1751

**LHS/Touch\_QPSK RB 1/49 ch 20525/Area Scan (9x12x1):** Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.234 W/kg

**LHS/Touch\_QPSK RB 1/49 ch 20525/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

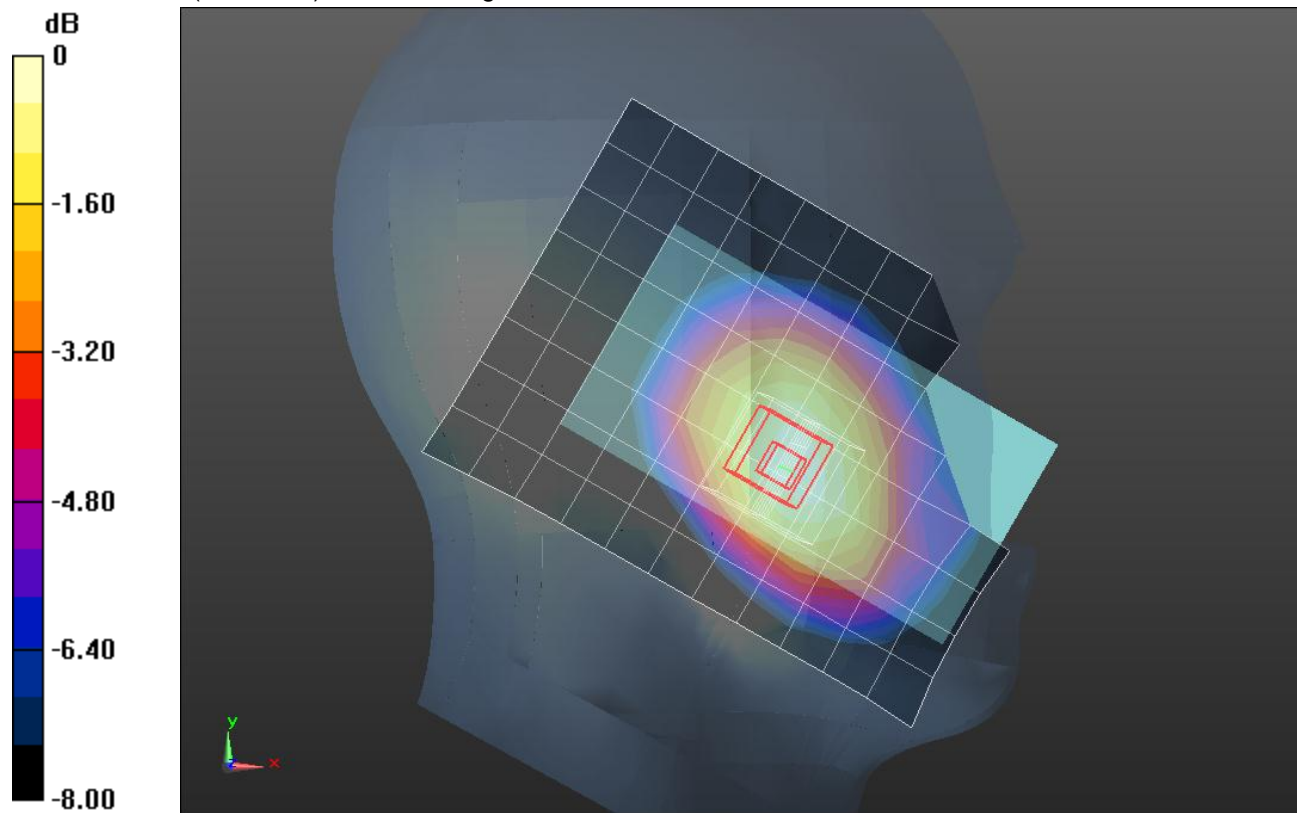
Reference Value = 15.611 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.275 W/kg

**SAR(1 g) = 0.222 W/kg; SAR(10 g) = 0.169 W/kg**

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.244 W/kg



0 dB = 0.244 W/kg = -6.13 dBW/kg

## LTE Band 5

Frequency: 836.5 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used (interpolated):  $f = 836.5$  MHz;  $\sigma = 1.016$  S/m;  $\epsilon_r = 52.842$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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 - SN3902; ConvF(9.86, 9.86, 9.86); Calibrated: 5/19/2014;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI-A v5.0; Type: QDOVA002AA; Serial: TP 1194

**Rear/QPSK RB 1/49 ch 20525/Area Scan (8x13x1):** Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.417 W/kg

**Rear/QPSK RB 1/49 ch 20525/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

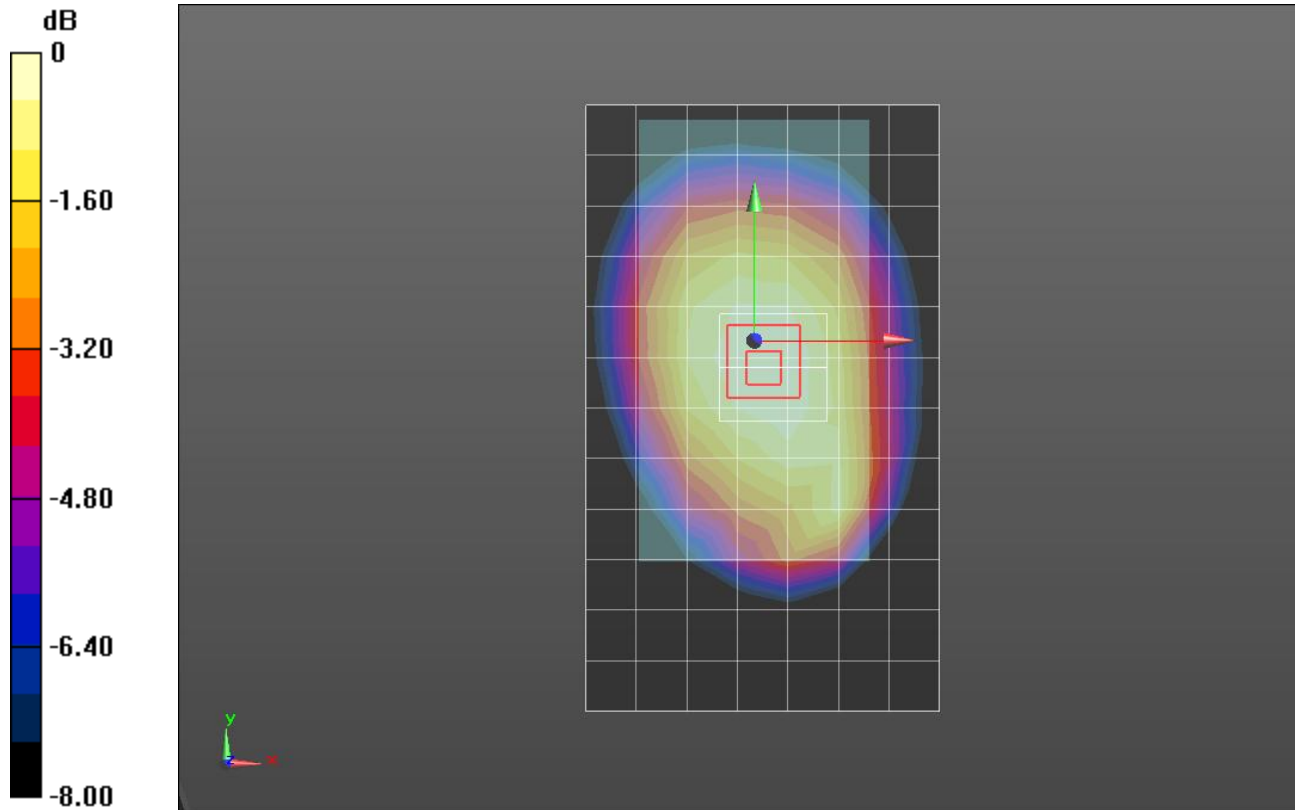
Reference Value = 20.185 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.461 W/kg

**SAR(1 g) = 0.368 W/kg; SAR(10 g) = 0.280 W/kg**

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.412 W/kg



0 dB = 0.412 W/kg = -3.85 dBW/kg

## WiFi 2.4 GHz

Frequency: 2437 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.806$  S/m;  $\epsilon_r = 39.383$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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 Sn1359; Calibrated: 2/17/2014
- Probe: EX3DV3 - SN3531; ConvF(7.68, 7.68, 7.68); Calibrated: 11/21/2013;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM with CRP; Type: SAM;

**RHS/Touch\_802.11b\_ch 6/Area Scan (9x14x1):** Measurement grid: dx=12mm, dy=12mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.0967 W/kg

**RHS/Touch\_802.11b\_ch 6/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

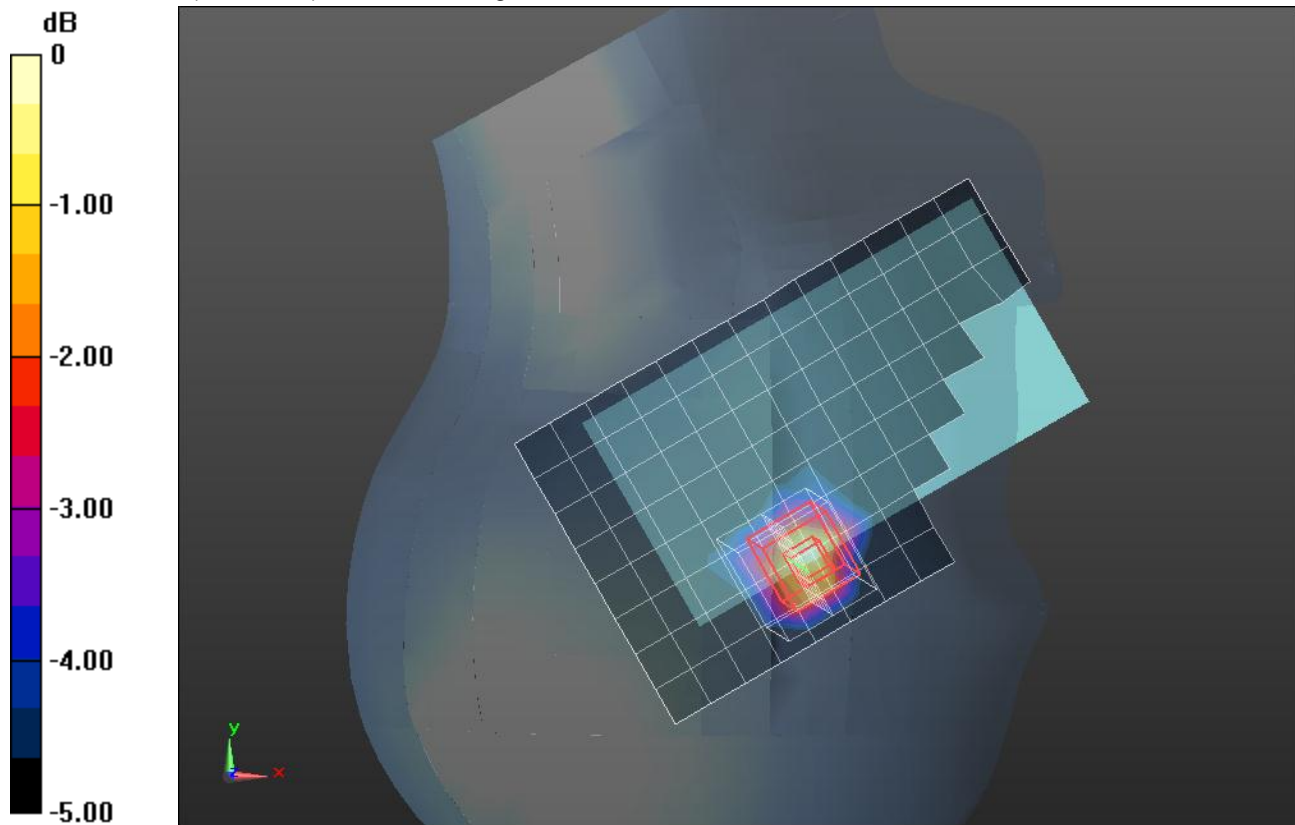
Reference Value = 7.580 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 0.131 W/kg

**SAR(1 g) = 0.076 W/kg; SAR(10 g) = 0.044 W/kg**

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.0962 W/kg



0 dB = 0.0962 W/kg = -10.17 dBW/kg

## WiFi 2.4GHz

Frequency: 2437 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 2.005$  S/m;  $\epsilon_r = 50.334$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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 Sn1359; Calibrated: 2/17/2014
- Probe: EX3DV3 - SN3531; ConvF(7.44, 7.44, 7.44); Calibrated: 11/21/2013;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI B v4.0; Type: QDOVA002AA; Serial: 1196

**Rear/802.11b\_ch 6/Area Scan (11x15x1):** Measurement grid: dx=12mm, dy=12mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.0708 W/kg

**Rear/802.11b\_ch 6/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

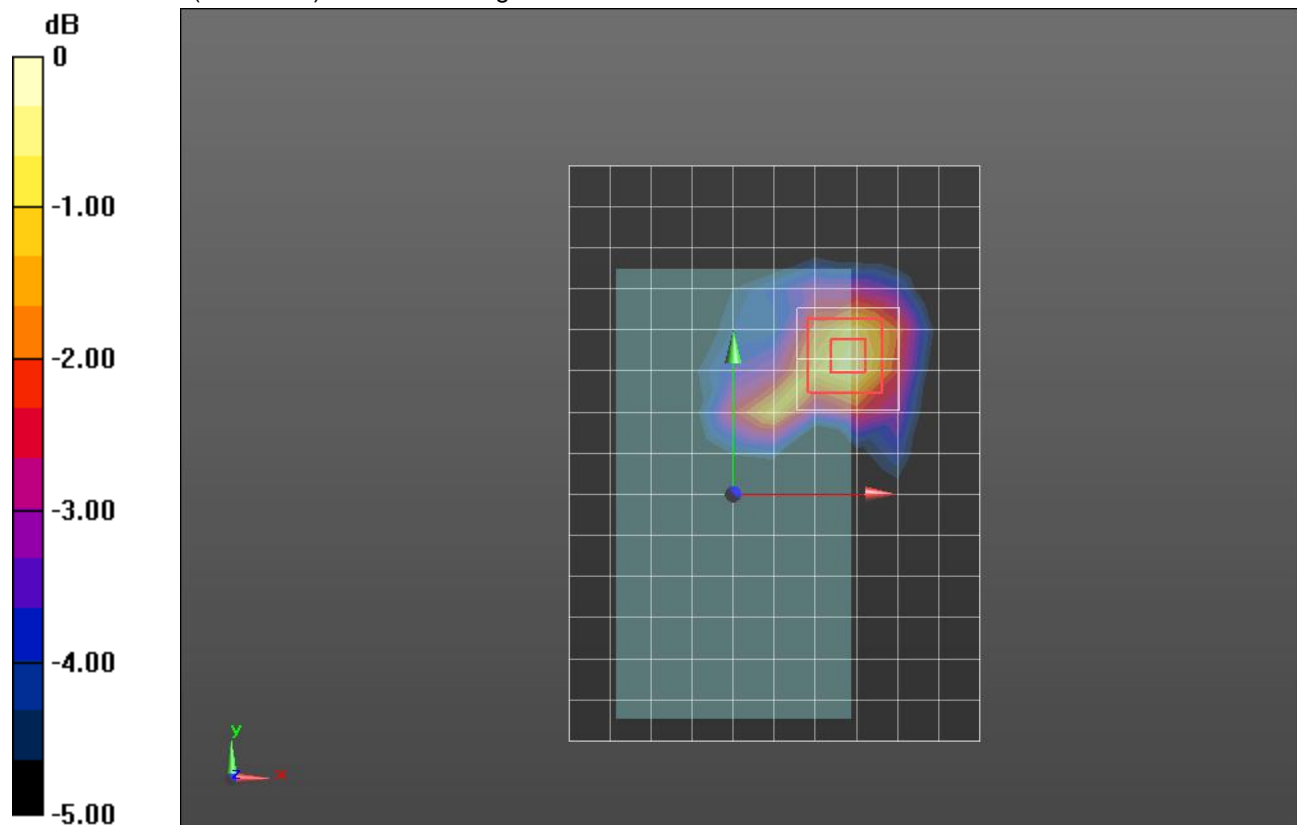
Reference Value = 5.737 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.0940 W/kg

**SAR(1 g) = 0.061 W/kg; SAR(10 g) = 0.039 W/kg**

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.0756 W/kg



0 dB = 0.0756 W/kg = -11.21 dBW/kg