

## GSM850

Frequency: 836.6 MHz; Duty Cycle: 1:1.99986; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.946$  S/m;  $\epsilon_r = 41.673$ ;  $\rho = 1000$  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 Sn1434; Calibrated: 4/19/2017
- Probe: EX3DV4 - SN7463; ConvF(9.47, 9.47, 9.47); Calibrated: 7/5/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CD; Serial: 1602

**LHS/Touch\_GPRS 4 slots\_ch 190/Area Scan (9x14x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.322 W/kg

**LHS/Touch\_GPRS 4 slots\_ch 190/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

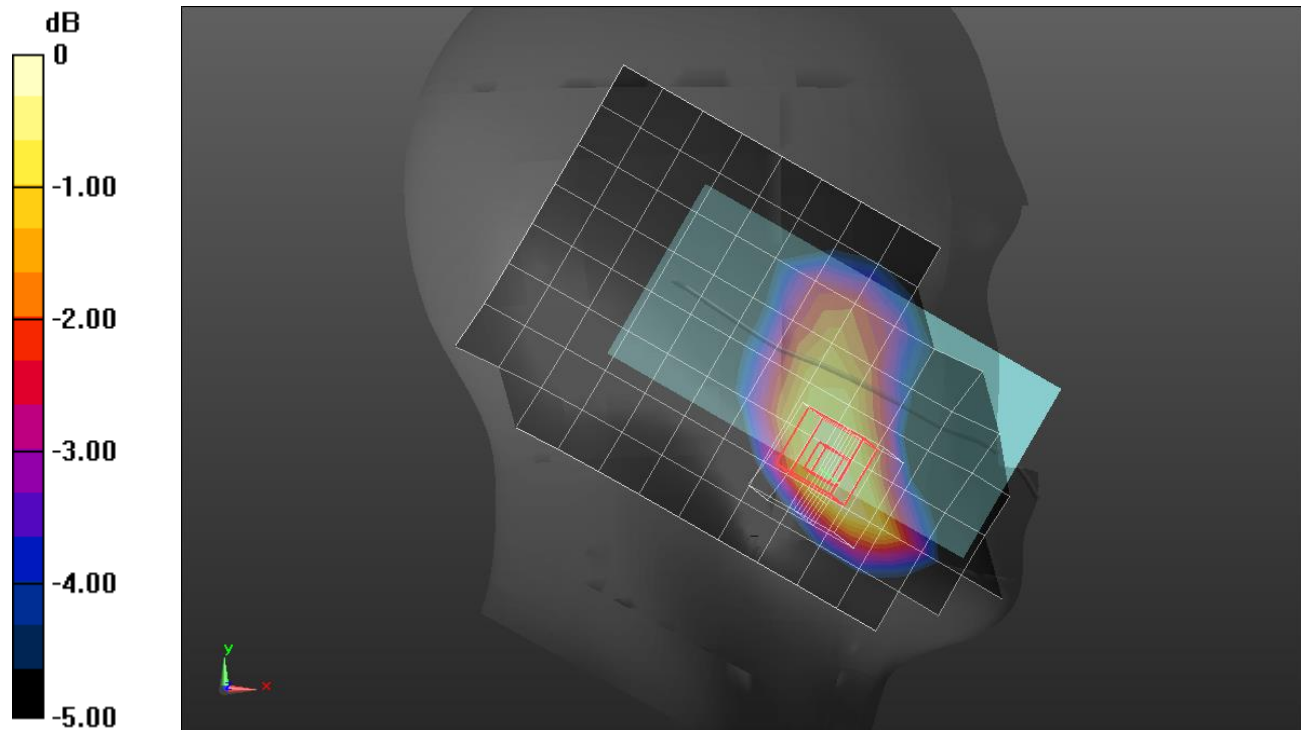
Reference Value = 17.39 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.378 W/kg

**SAR(1 g) = 0.267 W/kg; SAR(10 g) = 0.189 W/kg**

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

Maximum value of SAR (measured) = 0.341 W/kg



0 dB = 0.341 W/kg = -4.67 dBW/kg

## GSM850

Frequency: 836.6 MHz; Duty Cycle: 1:1.99986; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.981$  S/m;  $\epsilon_r = 52.854$ ;  $\rho = 1000$  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 Sn1434; Calibrated: 4/19/2017
- Probe: EX3DV4 - SN7463; ConvF(9.48, 9.48, 9.48); Calibrated: 7/5/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI V5.0 Slot 1/2; Type: QD OVA 002 AA; Serial: 1248

**Front/GPRS 4 slots\_ch 190\_15mm/Area Scan (8x14x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.340 W/kg

**Front/GPRS 4 slots\_ch 190\_15mm/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

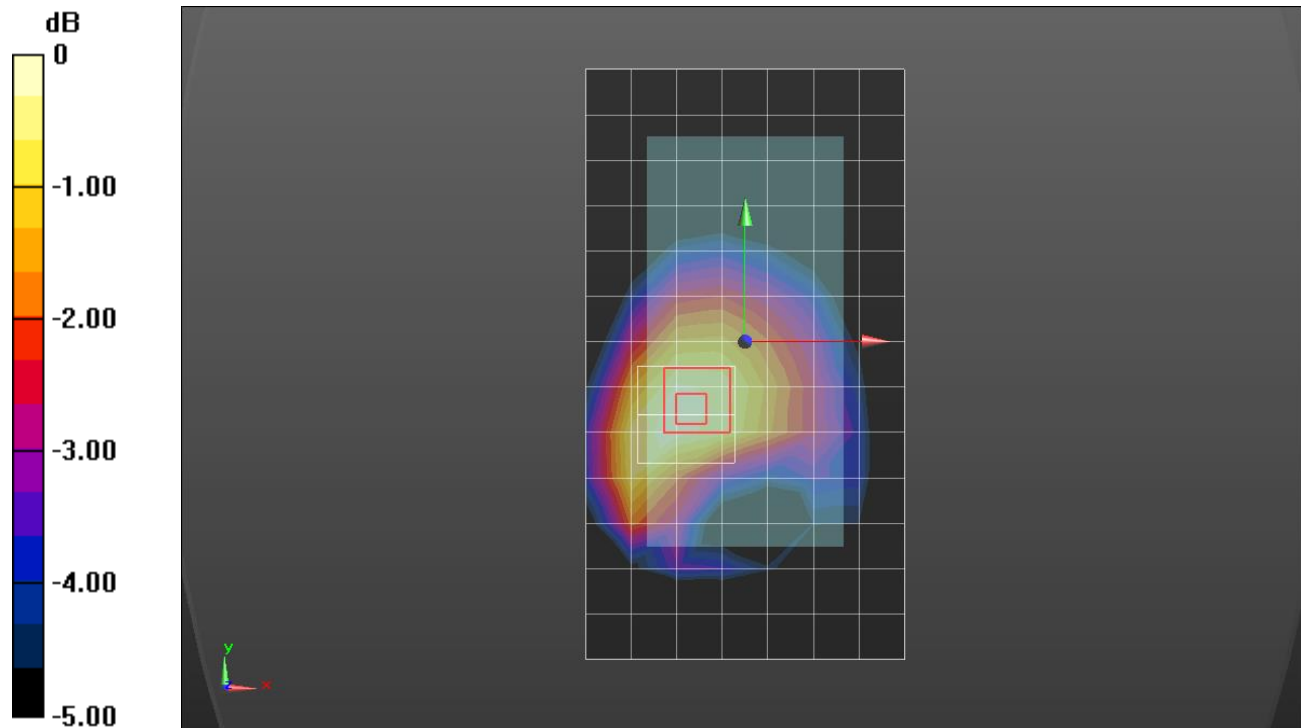
Reference Value = 18.12 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.383 W/kg

**SAR(1 g) = 0.290 W/kg; SAR(10 g) = 0.213 W/kg**

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

Maximum value of SAR (measured) = 0.353 W/kg



0 dB = 0.353 W/kg = -4.52 dBW/kg

## GSM850

Frequency: 836.6 MHz; Duty Cycle: 1:1.99986; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.981$  S/m;  $\epsilon_r = 52.854$ ;  $\rho = 1000$  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 Sn1434; Calibrated: 4/19/2017
- Probe: EX3DV4 - SN7463; ConvF(9.48, 9.48, 9.48); Calibrated: 7/5/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI V5.0 Slot 1/2; Type: QD OVA 002 AA; Serial: 1248

**Front/GPRS 4 slots\_ch 190\_10mm/Area Scan (8x14x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.559 W/kg

**Front/GPRS 4 slots\_ch 190\_10mm/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

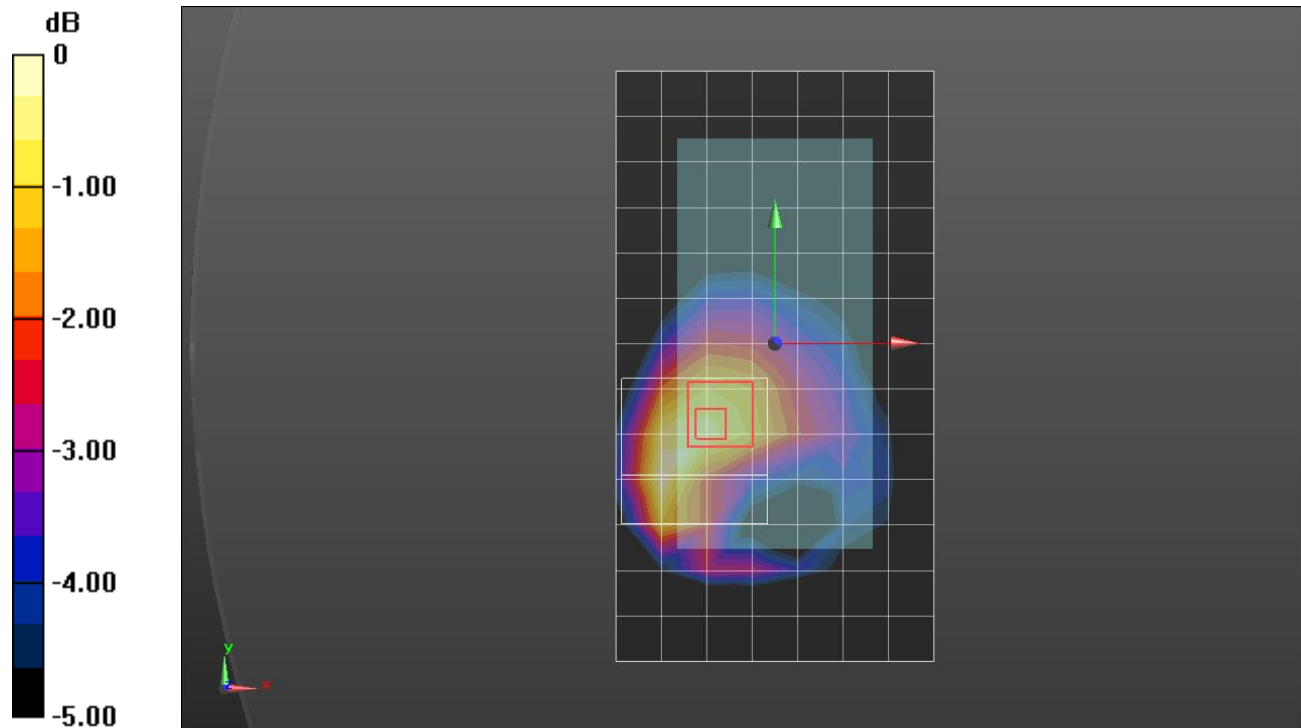
Reference Value = 22.57 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.652 W/kg

**SAR(1 g) = 0.414 W/kg; SAR(10 g) = 0.300 W/kg**

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

Maximum value of SAR (measured) = 0.564 W/kg



0 dB = 0.564 W/kg = -2.49 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:  $f = 1880 \text{ MHz}$ ;  $\sigma = 1.472 \text{ S/m}$ ;  $\epsilon_r = 38.997$ ;  $\rho = 1000 \text{ kg/m}^3$   
 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: 7/24/2017
- Probe: EX3DV4 - SN7335; ConvF(8.51, 8.51, 8.51); Calibrated: 3/15/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CD; Serial: 1740

**LHS/Touch\_GPRS 2 slots\_ch 661/Area Scan (7x11x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (measured) = 0.342 W/kg

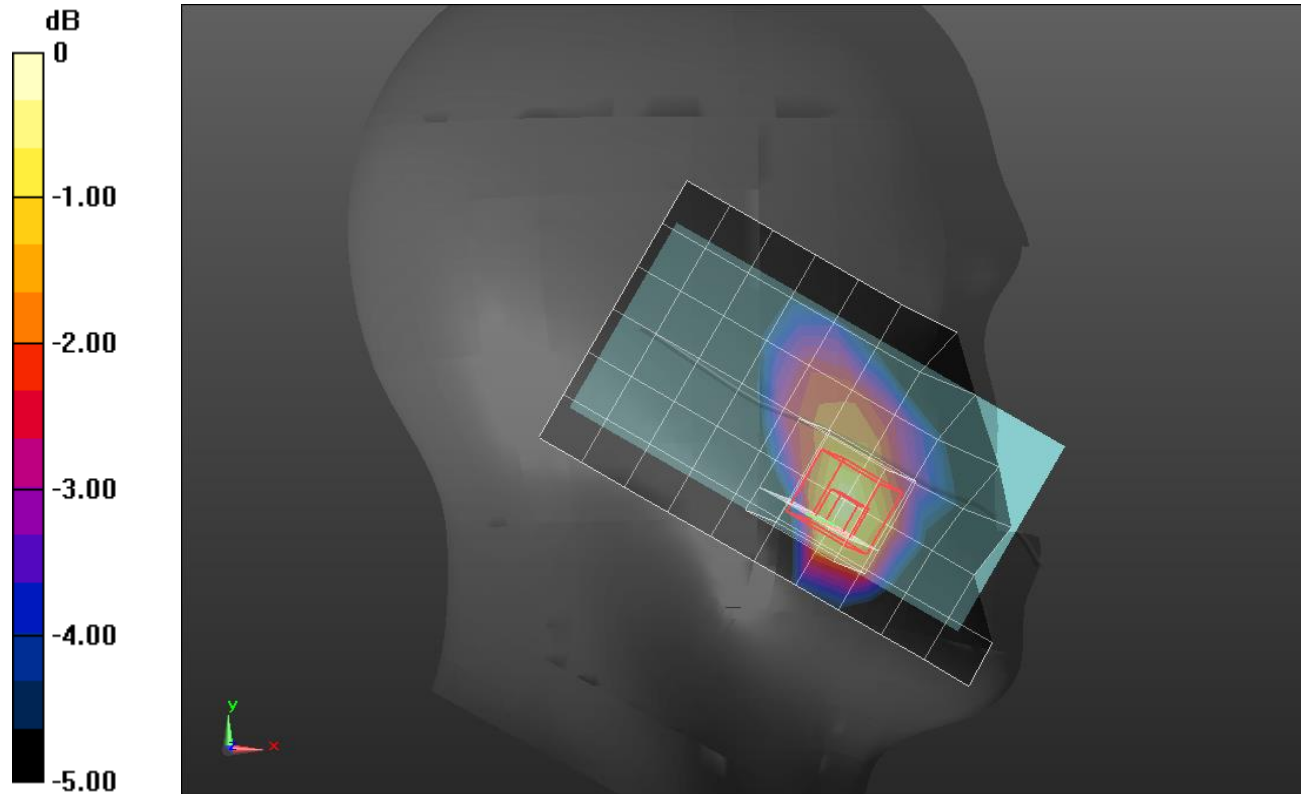
**LHS/Touch\_GPRS 2 slots\_ch 661/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.385 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.419 W/kg

**SAR(1 g) = 0.270 W/kg; SAR(10 g) = 0.165 W/kg**

Maximum value of SAR (measured) = 0.362 W/kg



0 dB = 0.362 W/kg = -4.41 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:  $f = 1880 \text{ MHz}$ ;  $\sigma = 1.629 \text{ S/m}$ ;  $\epsilon_r = 52.927$ ;  $\rho = 1000 \text{ kg/m}^3$   
 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: 7/24/2017
- Probe: EX3DV4 - SN7335; ConvF(8.18, 8.18, 8.18); Calibrated: 3/15/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI V5.0 Slot 6/7; Type: QD OVA 001 BB; Serial: 1118

**Front/GPRS 2 slots\_ch 661\_15mm/Area Scan (7x11x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (measured) = 0.289 W/kg

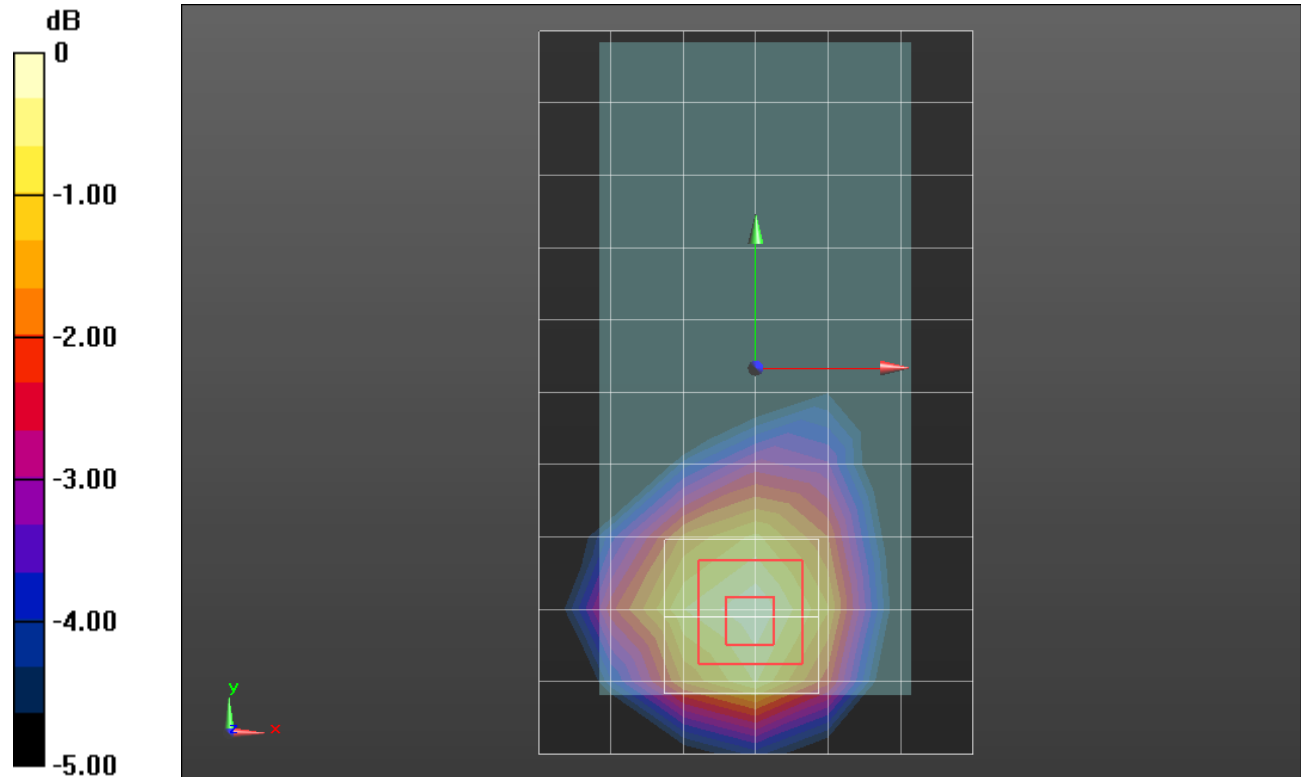
**Front/GPRS 2 slots\_ch 661\_15mm/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.621 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.337 W/kg

**SAR(1 g) = 0.214 W/kg; SAR(10 g) = 0.136 W/kg**

Maximum value of SAR (measured) = 0.290 W/kg



$$0 \text{ dB} = 0.290 \text{ W/kg} = -5.38 \text{ dBW/kg}$$

## 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;  $\sigma = 1.629$  S/m;  $\epsilon_r = 52.927$ ;  $\rho = 1000$  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: 7/24/2017
- Probe: EX3DV4 - SN7335; ConvF(8.18, 8.18, 8.18); Calibrated: 3/15/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI V5.0 Slot 6/7; Type: QD OVA 001 BB; Serial: 1118

**Edge 3/GPRS 2 slots\_ch 661/Area Scan (7x9x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (measured) = 0.553 W/kg

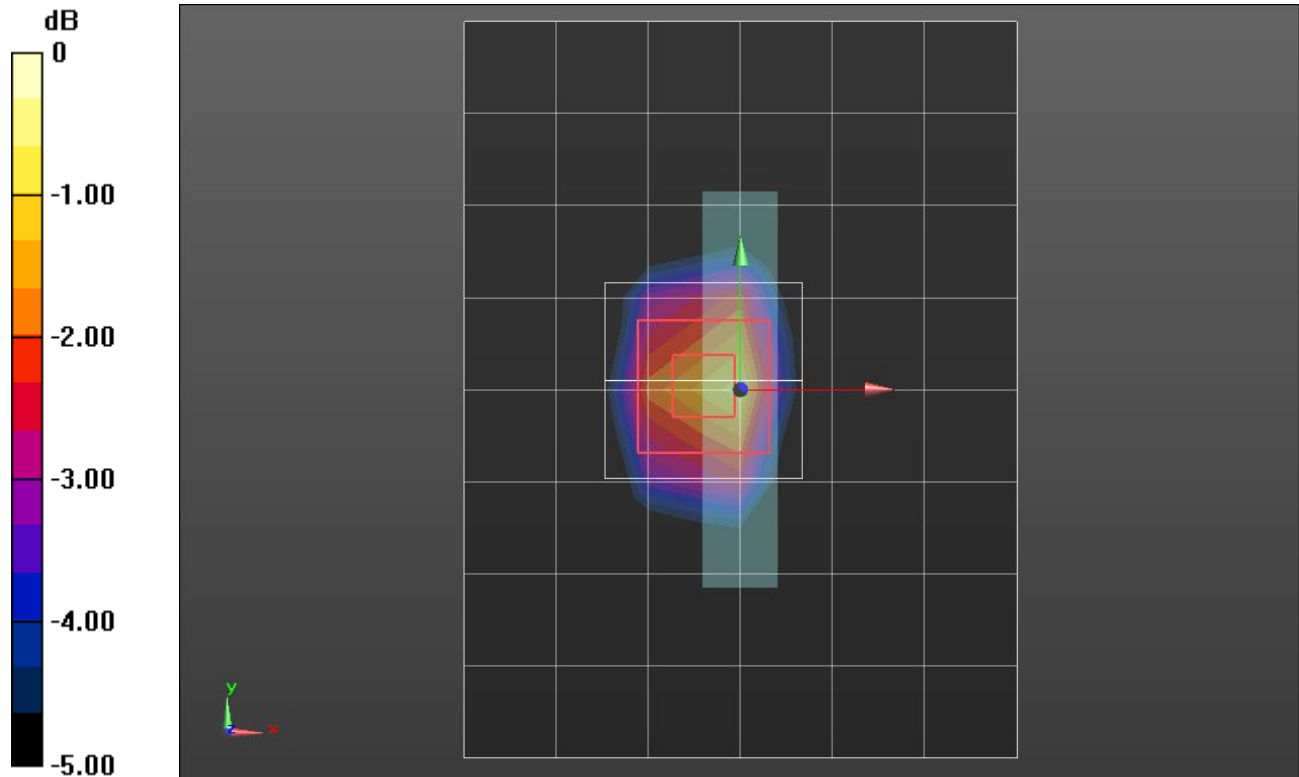
**Edge 3/GPRS 2 slots\_ch 661/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.277 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.781 W/kg

**SAR(1 g) = 0.440 W/kg; SAR(10 g) = 0.242 W/kg**

Maximum value of SAR (measured) = 0.659 W/kg



0 dB = 0.659 W/kg = -1.81 dBW/kg

## W-CDMA 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;  $\sigma = 0.946$  S/m;  $\epsilon_r = 41.673$ ;  $\rho = 1000$  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 Sn1434; Calibrated: 4/19/2017
- Probe: EX3DV4 - SN7463; ConvF(9.47, 9.47, 9.47); Calibrated: 7/5/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CD; Serial: 1602

**LHS/Touch\_RMC Rel. 99\_ch 4183/Area Scan (8x12x1):** Measurement grid: dx=15mm, dy=15mm

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

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

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

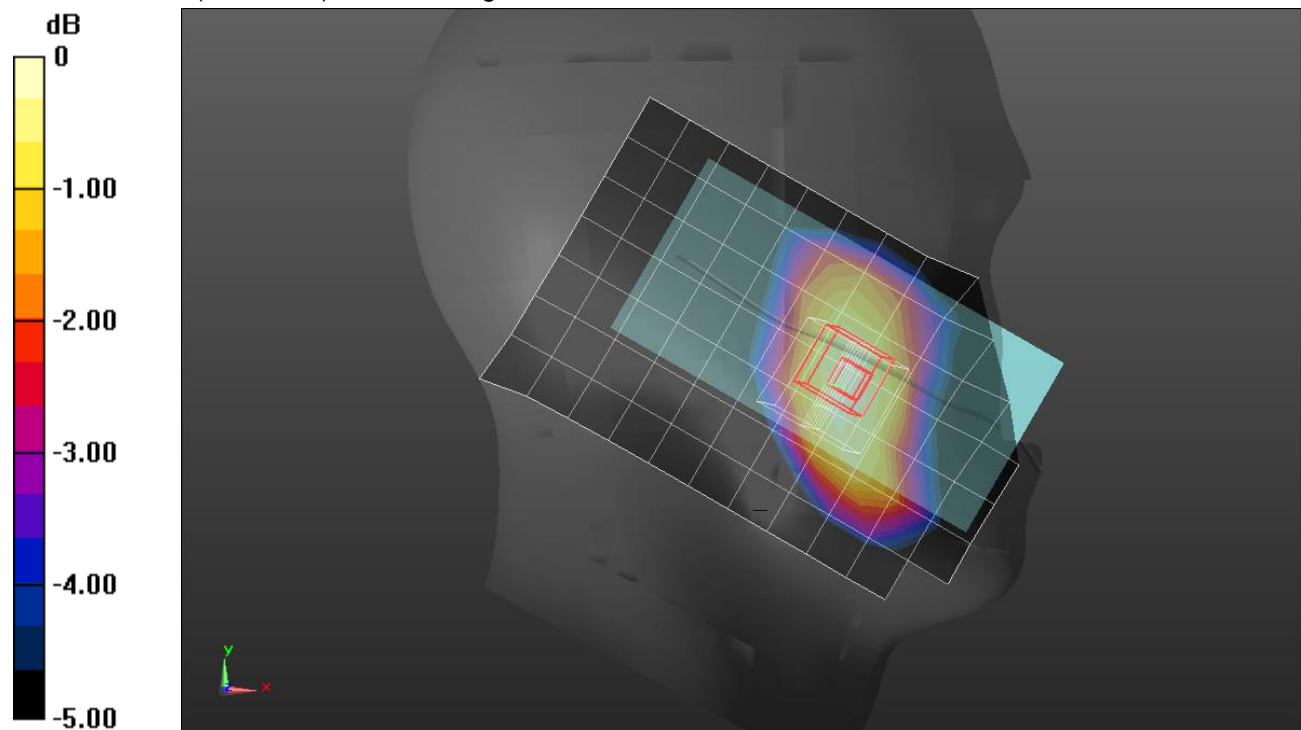
Reference Value = 19.88 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.428 W/kg

**SAR(1 g) = 0.349 W/kg; SAR(10 g) = 0.263 W/kg**

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

Maximum value of SAR (measured) = 0.403 W/kg



0 dB = 0.403 W/kg = -3.95 dBW/kg

## W-CDMA 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;  $\sigma = 0.981$  S/m;  $\epsilon_r = 52.854$ ;  $\rho = 1000$  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 Sn1434; Calibrated: 4/19/2017
- Probe: EX3DV4 - SN7463; ConvF(9.48, 9.48, 9.48); Calibrated: 7/5/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI V5.0 Slot 1/2; Type: QD OVA 002 AA; Serial: 1248

**Front/RMC Rel. 99\_ch 4183\_15mm/Area Scan (7x13x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.384 W/kg

**Front/RMC Rel. 99\_ch 4183\_15mm/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

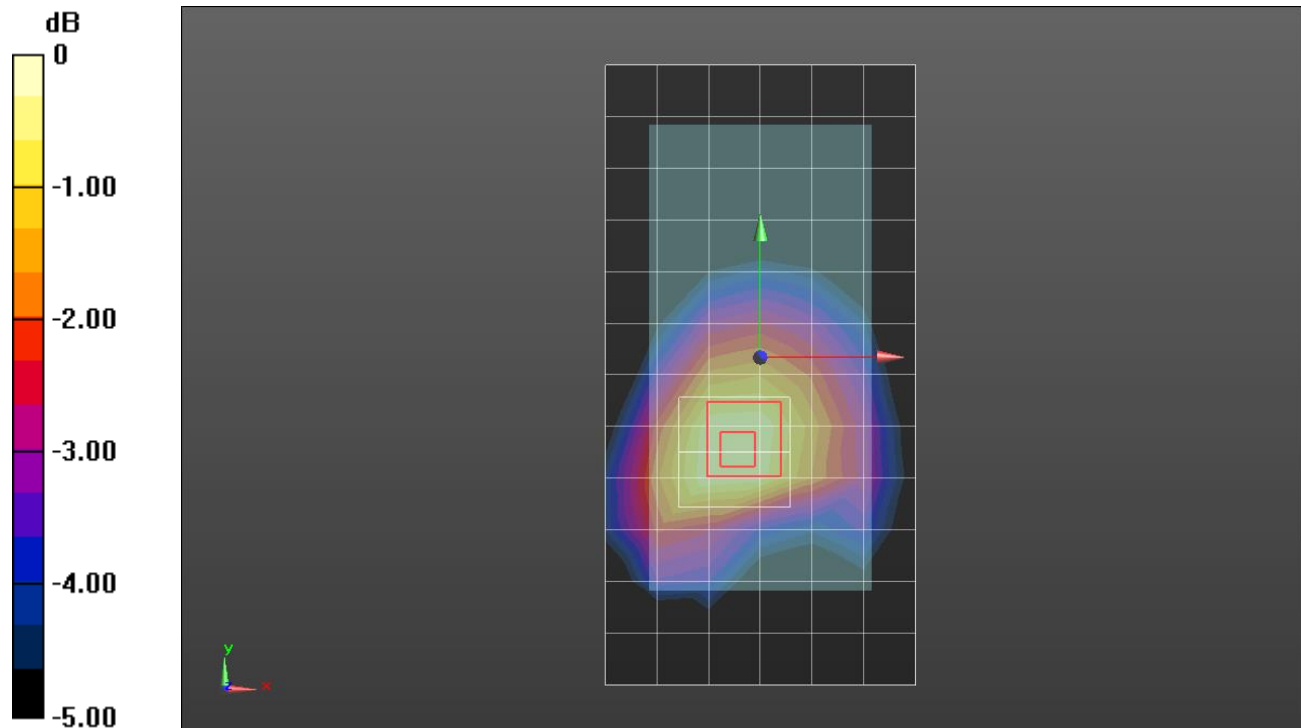
Reference Value = 19.26 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.447 W/kg

**SAR(1 g) = 0.341 W/kg; SAR(10 g) = 0.247 W/kg**

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

Maximum value of SAR (measured) = 0.415 W/kg



0 dB = 0.415 W/kg = -3.82 dBW/kg



## W-CDMA 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;  $\sigma = 0.981$  S/m;  $\epsilon_r = 52.854$ ;  $\rho = 1000$  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 Sn1434; Calibrated: 4/19/2017
- Probe: EX3DV4 - SN7463; ConvF(9.48, 9.48, 9.48); Calibrated: 7/5/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI V5.0 Slot 1/2; Type: QD OVA 002 AA; Serial: 1248

**Front/RMC Rel. 99\_ch 4183\_10mm/Area Scan (7x13x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.626 W/kg

**Front/RMC Rel. 99\_ch 4183\_10mm/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

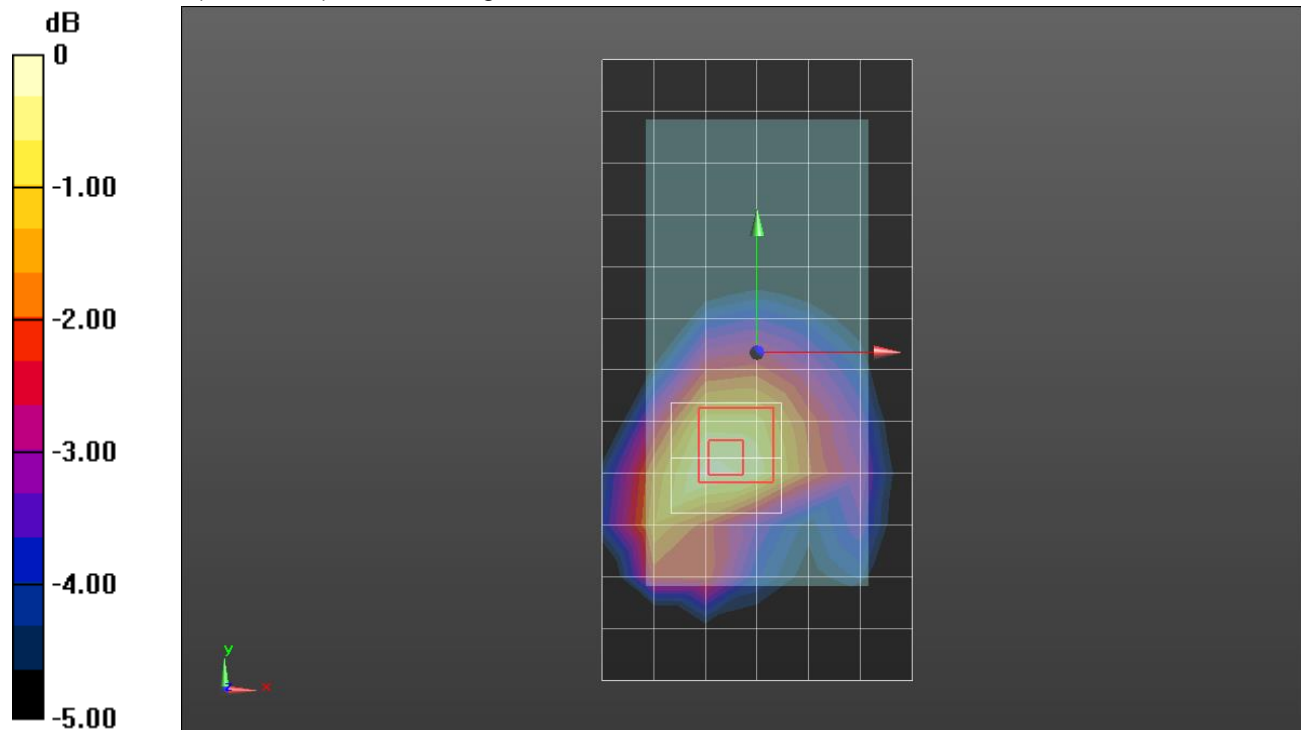
Reference Value = 24.59 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.705 W/kg

**SAR(1 g) = 0.531 W/kg; SAR(10 g) = 0.374 W/kg**

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

Maximum value of SAR (measured) = 0.651 W/kg



0 dB = 0.651 W/kg = -1.86 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;  $\sigma = 1.317$  S/m;  $\epsilon_r = 40.208$ ;  $\rho = 1000$  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: 7/24/2017
- Probe: EX3DV4 - SN7335; ConvF(8.82, 8.82, 8.82); Calibrated: 3/15/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CD; Serial: 1740

**LHS/Touch\_QPSK RB 50,0 Ch 20175/Area Scan (9x13x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.655 W/kg

**LHS/Touch\_QPSK RB 50,0 Ch 20175/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

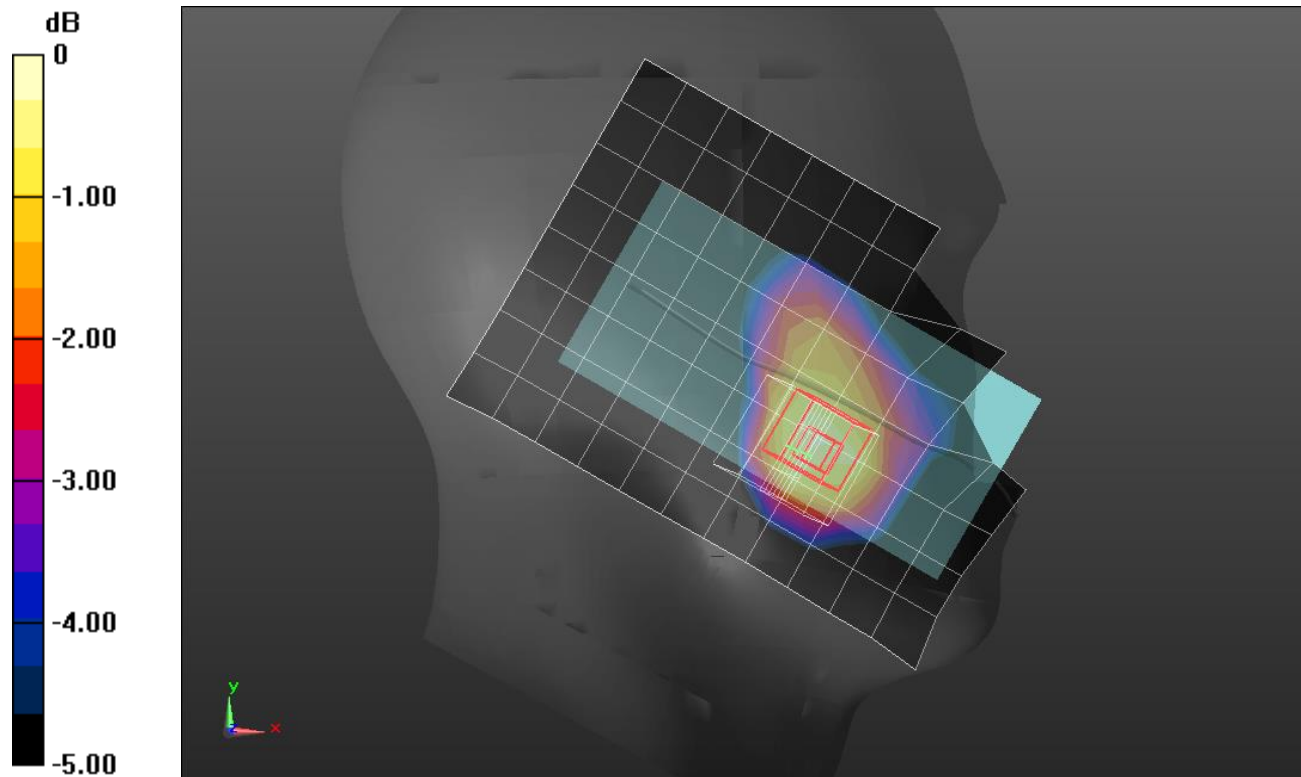
Reference Value = 21.318 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.774 W/kg

**SAR(1 g) = 0.525 W/kg; SAR(10 g) = 0.353 W/kg**

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

Maximum value of SAR (measured) = 0.686 W/kg



0 dB = 0.686 W/kg = -1.64 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;  $\sigma = 1.478$  S/m;  $\epsilon_r = 51.481$ ;  $\rho = 1000$  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: 7/24/2017
- Probe: EX3DV4 - SN7335; ConvF(8.44, 8.44, 8.44); Calibrated: 3/15/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI V5.0 Slot 6/7; Type: QD OVA 001 BB; Serial: 1118

**Front/QPSK RB 50,0 Ch 20175\_15mm/Area Scan (9x13x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.732 W/kg

**Front/QPSK RB 50,0 Ch 20175\_15mm/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

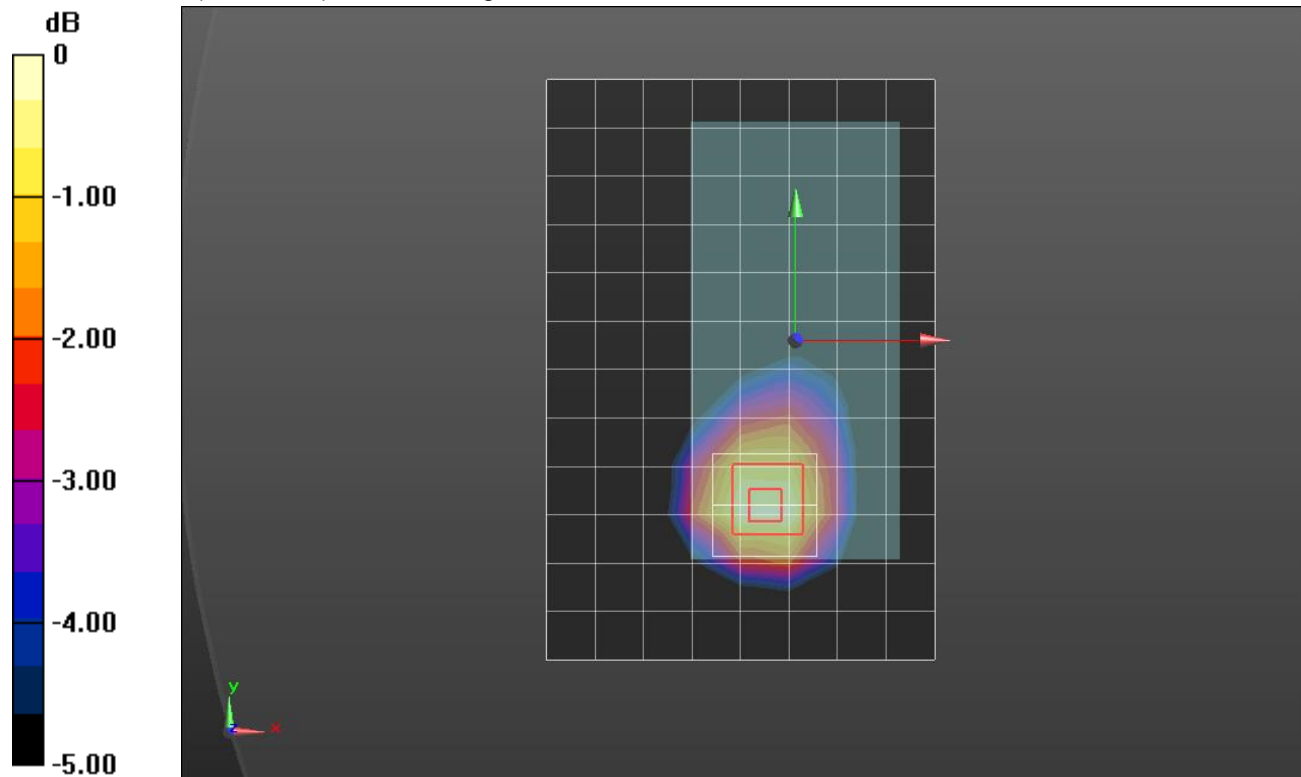
Reference Value = 21.171 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.874 W/kg

**SAR(1 g) = 0.577 W/kg; SAR(10 g) = 0.375 W/kg**

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

Maximum value of SAR (measured) = 0.769 W/kg



0 dB = 0.769 W/kg = -1.14 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):  $f = 1732.5 \text{ MHz}$ ;  $\sigma = 1.478 \text{ S/m}$ ;  $\epsilon_r = 51.481$ ;  $\rho = 1000 \text{ kg/m}^3$

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: 7/24/2017
- Probe: EX3DV4 - SN7335; ConvF(8.44, 8.44, 8.44); Calibrated: 3/15/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI V5.0 Slot 6/7; Type: QD OVA 001 BB; Serial: 1118

**Front/QPSK RB 50,0 Ch 20175\_10mm/Area Scan (9x13x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 1.12 W/kg

**Front/QPSK RB 50,0 Ch 20175\_10mm/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

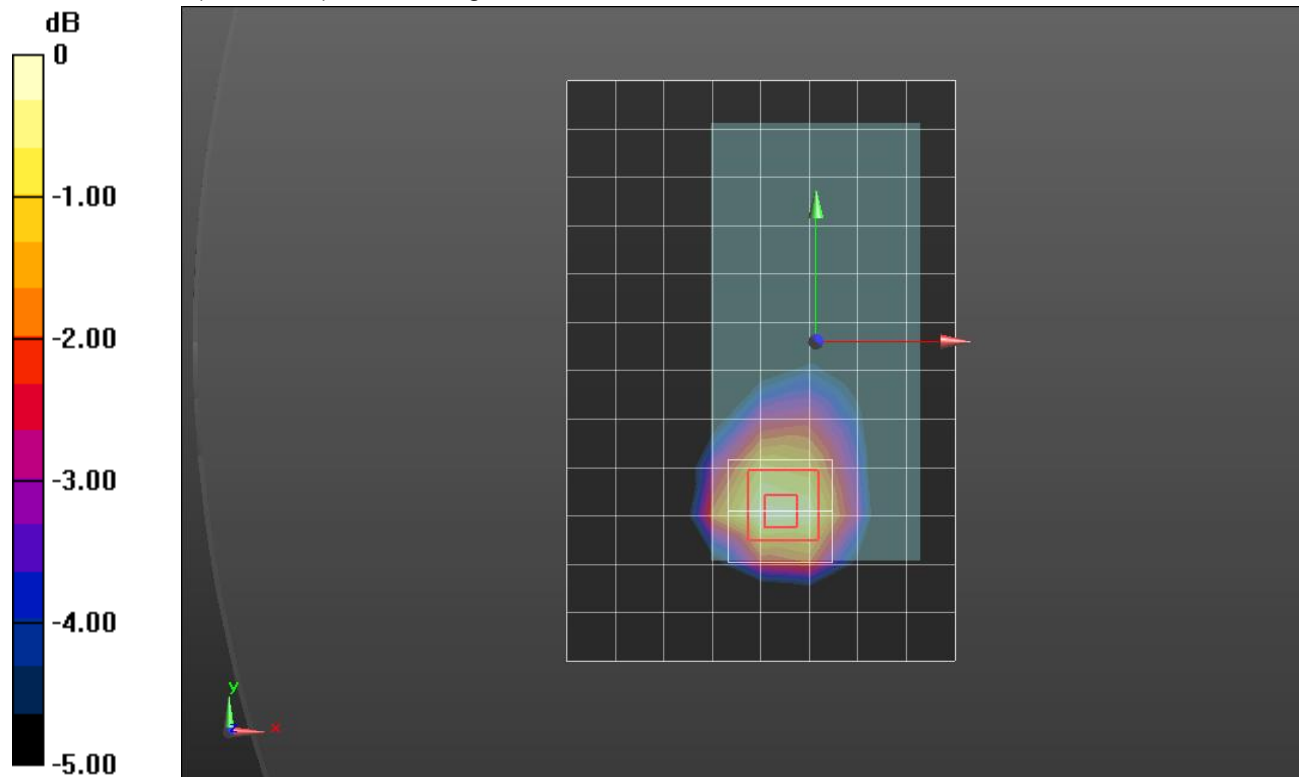
Reference Value = 26.219 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.31 W/kg

**SAR(1 g) = 0.866 W/kg; SAR(10 g) = 0.561 W/kg**

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

Maximum value of SAR (measured) = 1.15 W/kg



0 dB = 1.15 W/kg = 0.61 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;  $\sigma = 0.945$  S/m;  $\epsilon_r = 41.675$ ;  $\rho = 1000$  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 Sn1434; Calibrated: 4/19/2017
- Probe: EX3DV4 - SN7463; ConvF(9.47, 9.47, 9.47); Calibrated: 7/5/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CD; Serial: 1602

**RHS/Touch\_QPSK RB 1,25 Ch 20525/Area Scan (7x12x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.366 W/kg

**RHS/Touch\_QPSK RB 1,25 Ch 20525/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

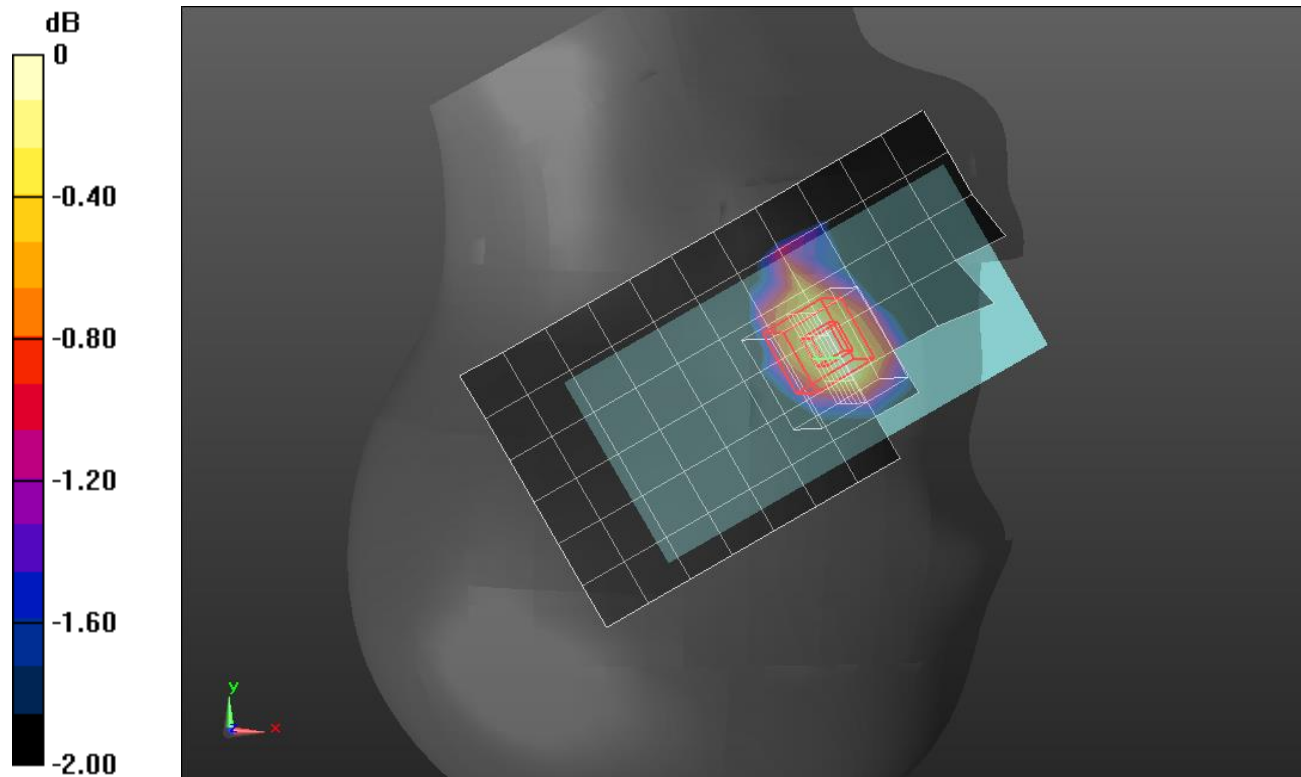
Reference Value = 19.389 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.395 W/kg

**SAR(1 g) = 0.327 W/kg; SAR(10 g) = 0.252 W/kg**

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

Maximum value of SAR (measured) = 0.374 W/kg



0 dB = 0.374 W/kg = -4.27 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;  $\sigma = 0.981$  S/m;  $\epsilon_r = 52.854$ ;  $\rho = 1000$  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 Sn1434; Calibrated: 4/19/2017
- Probe: EX3DV4 - SN7463; ConvF(9.48, 9.48, 9.48); Calibrated: 7/5/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI V5.0 Slot 1/2; Type: QD OVA 002 AA; Serial: 1248

**Front/QPSK RB 1,25 Ch 20525 15mm/Area Scan (8x13x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.421 W/kg

**Front/QPSK RB 1,25 Ch 20525 15mm/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

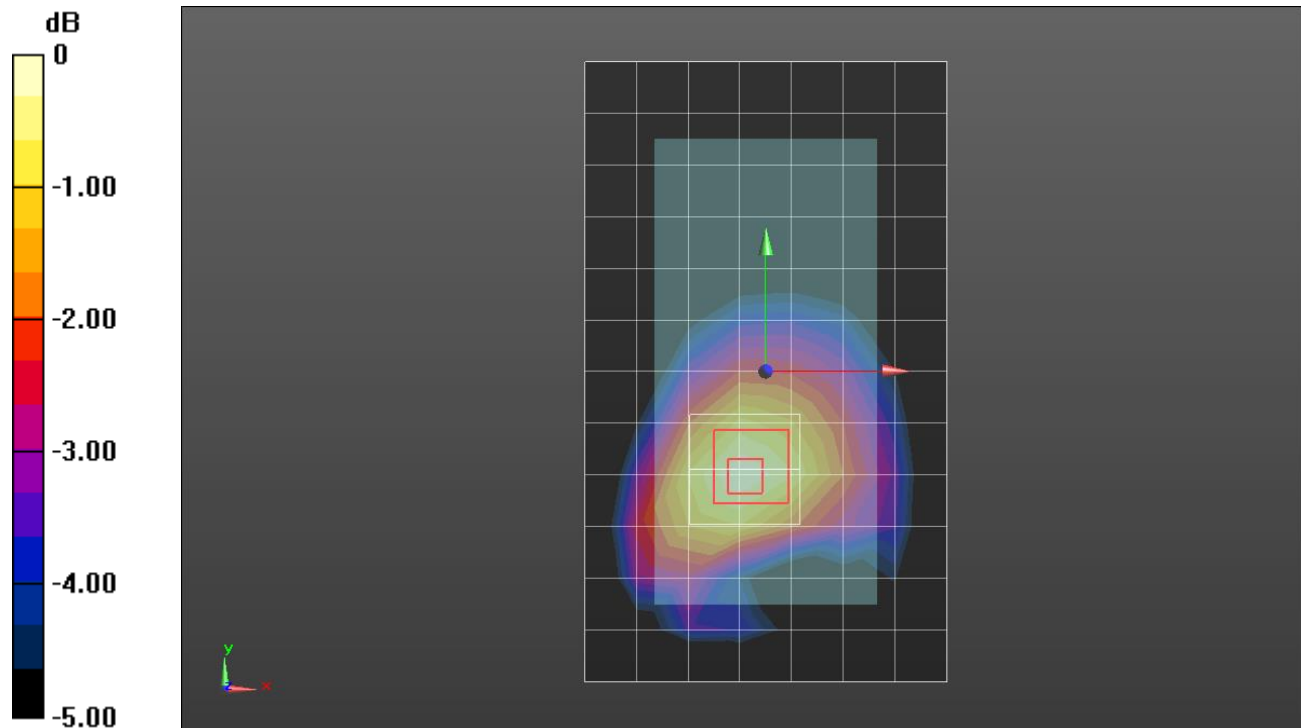
Reference Value = 20.14 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.456 W/kg

**SAR(1 g) = 0.340 W/kg; SAR(10 g) = 0.243 W/kg**

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

Maximum value of SAR (measured) = 0.415 W/kg



0 dB = 0.415 W/kg = -3.82 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;  $\sigma = 0.981$  S/m;  $\epsilon_r = 52.854$ ;  $\rho = 1000$  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 Sn1434; Calibrated: 4/19/2017
- Probe: EX3DV4 - SN7463; ConvF(9.48, 9.48, 9.48); Calibrated: 7/5/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI V5.0 Slot 1/2; Type: QD OVA 002 AA; Serial: 1248

**Front/QPSK RB 1,25 Ch 20525 10mm/Area Scan (8x13x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.623 W/kg

**Front/QPSK RB 1,25 Ch 20525 10mm/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

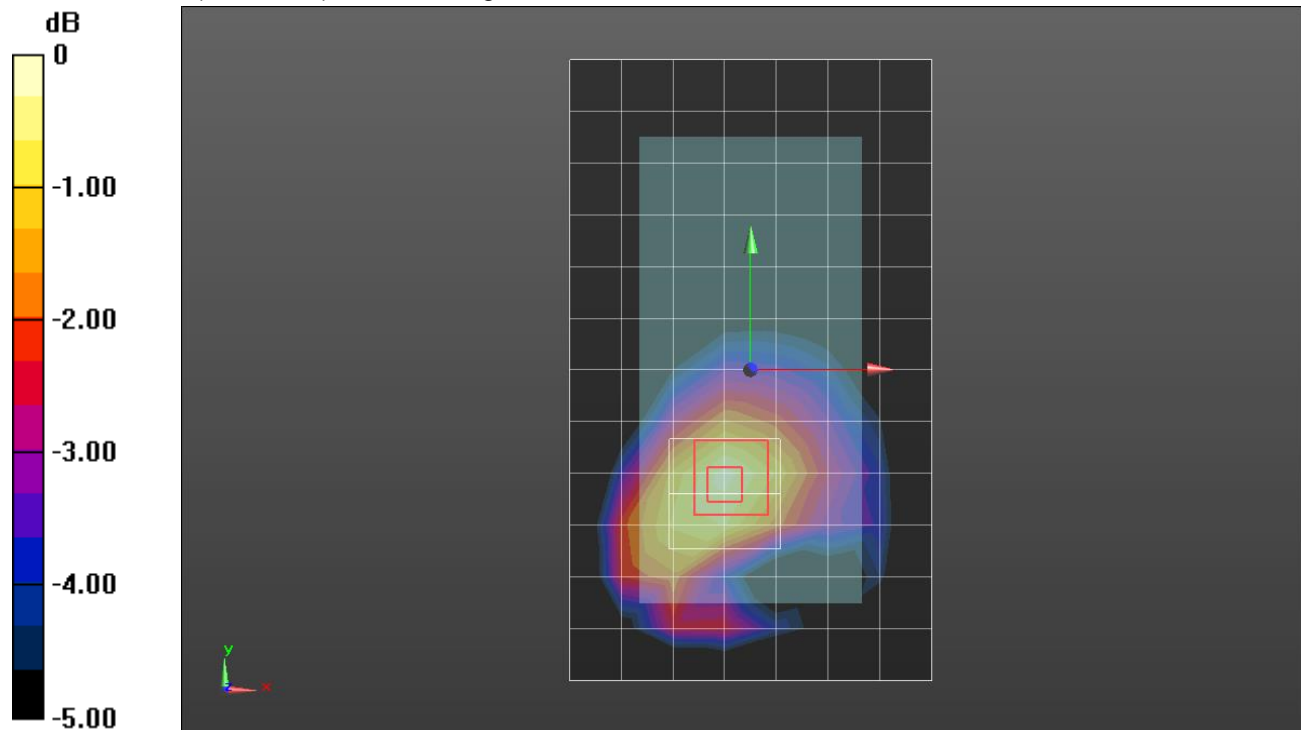
Reference Value = 24.73 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 0.702 W/kg

**SAR(1 g) = 0.523 W/kg; SAR(10 g) = 0.365 W/kg**

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

Maximum value of SAR (measured) = 0.645 W/kg



0 dB = 0.645 W/kg = -1.90 dBW/kg

## LTE Band 7

Frequency: 2535 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used:  $f = 2535 \text{ MHz}$ ;  $\sigma = 1.925 \text{ S/m}$ ;  $\epsilon_r = 37.771$ ;  $\rho = 1000 \text{ kg/m}^3$

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 Sn1259; Calibrated: 1/10/2018
- Probe: EX3DV4 - SN3989; ConvF(7.68, 7.68, 7.68); Calibrated: 1/16/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CD; Serial: 1740

**RHS/Touch\_QPSK RB 50,24 Ch 21100/Area Scan (10x15x1):** Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.799 W/kg

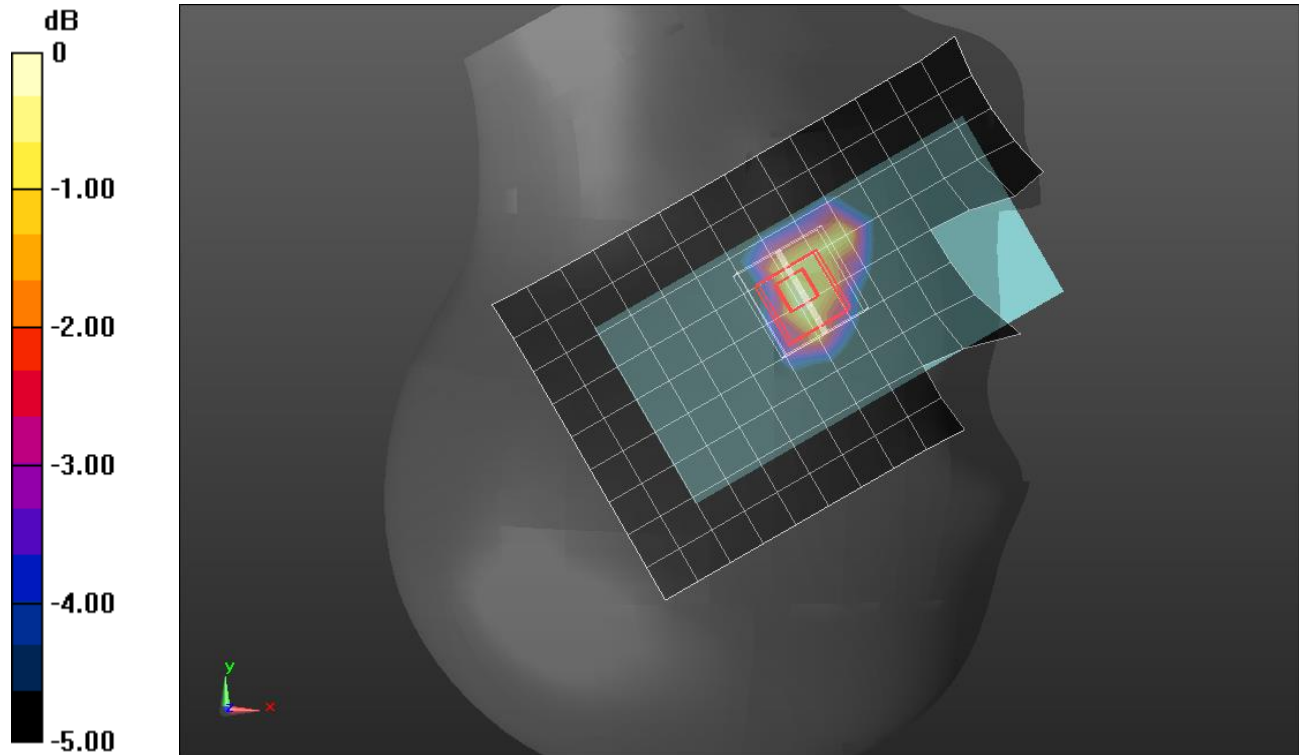
**RHS/Touch\_QPSK RB 50,24 Ch 21100/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 18.97 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.00 W/kg

**SAR(1 g) = 0.559 W/kg; SAR(10 g) = 0.293 W/kg**

Maximum value of SAR (measured) = 0.829 W/kg



0 dB = 0.829 W/kg = -0.81 dBW/kg



## LTE Band 7

Frequency: 2535 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used:  $f = 2535 \text{ MHz}$ ;  $\sigma = 2.013 \text{ S/m}$ ;  $\epsilon_r = 51.234$ ;  $\rho = 1000 \text{ kg/m}^3$

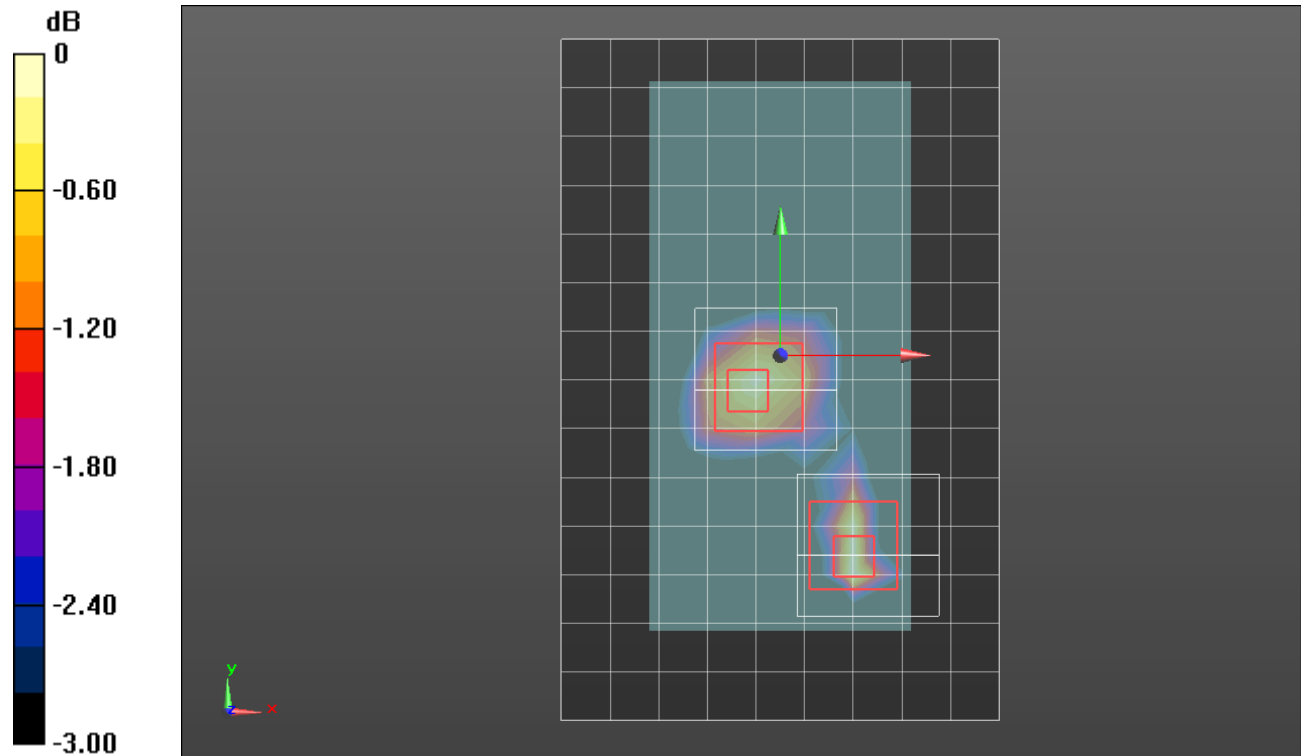
DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1259; Calibrated: 1/10/2018
- Probe: EX3DV4 - SN3989; ConvF(7.75, 7.75, 7.75); Calibrated: 1/16/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI V5.0 Slot 1/2; Type: QD OVA 002 AA; Serial: 1258

**Front/QPSK RB 1,0 Ch 21100 15mm/Area Scan (10x15x1):** Measurement grid: dx=12mm, dy=12mm  
 Maximum value of SAR (measured) = 0.141 W/kg

**Front/QPSK RB 1,0 Ch 21100 15mm/Zoom Scan (8x8x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
 Reference Value = 7.756 V/m; Power Drift = 0.05 dB  
 Peak SAR (extrapolated) = 0.194 W/kg  
**SAR(1 g) = 0.091 W/kg; SAR(10 g) = 0.042 W/kg**  
 Maximum value of SAR (measured) = 0.153 W/kg

**Front/QPSK RB 1,0 Ch 21100 15mm/Zoom Scan 2 (8x8x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
 Reference Value = 7.756 V/m; Power Drift = 0.05 dB  
 Peak SAR (extrapolated) = 0.172 W/kg  
**SAR(1 g) = 0.088 W/kg; SAR(10 g) = 0.049 W/kg**  
 Maximum value of SAR (measured) = 0.137 W/kg



0 dB = 0.137 W/kg = -8.63 dBW/kg

## LTE Band 7

Frequency: 2535 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used:  $f = 2535 \text{ MHz}$ ;  $\sigma = 2.013 \text{ S/m}$ ;  $\epsilon_r = 51.234$ ;  $\rho = 1000 \text{ kg/m}^3$

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 Sn1259; Calibrated: 1/10/2018
- Probe: EX3DV4 - SN3989; ConvF(7.75, 7.75, 7.75); Calibrated: 1/16/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI V5.0 Slot 1/2; Type: QD OVA 002 AA; Serial: 1258

**Edge 2/QPSK RB 1,0 Ch 21100 10mm/Area Scan (7x15x1):** Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.729 W/kg

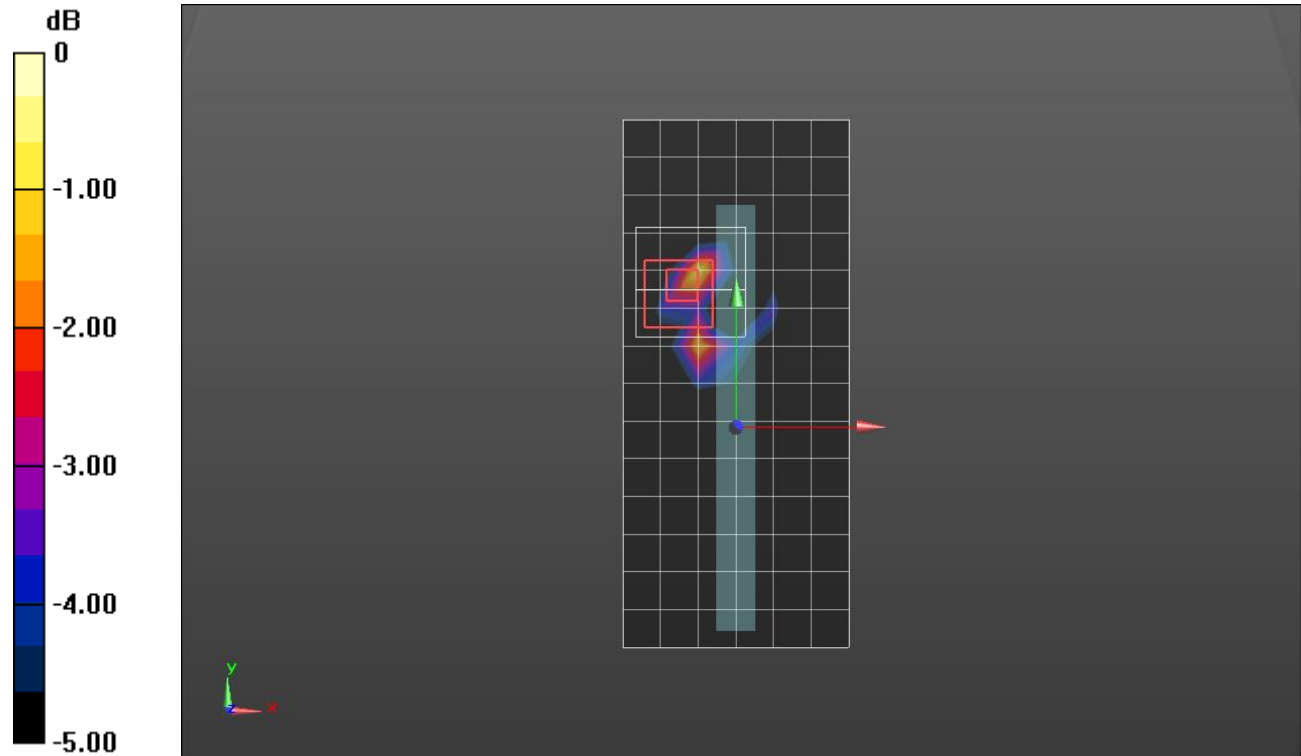
**Edge 2/QPSK RB 1,0 Ch 21100 10mm/Zoom Scan (8x8x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 16.93 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 1.06 W/kg

**SAR(1 g) = 0.419 W/kg; SAR(10 g) = 0.161 W/kg**

Maximum value of SAR (measured) = 0.826 W/kg



0 dB = 0.826 W/kg = -0.83 dBW/kg

## LTE Band 12

.Frequency: 707.5 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used (interpolated):  $f = 707.5 \text{ MHz}$ ;  $\sigma = 0.863 \text{ S/m}$ ;  $\epsilon_r = 41$ ;  $\rho = 1000 \text{ kg/m}^3$

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 Sn1352; Calibrated: 11/8/2017
- Probe: EX3DV4 - SN7356; ConvF(11.48, 11.48, 11.48); Calibrated: 4/21/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: 1772

**LHS/Touch\_QPSK RB 1,0 Ch 23095/Area Scan (9x13x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.351 W/kg

**LHS/Touch\_QPSK RB 1,0 Ch 23095/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

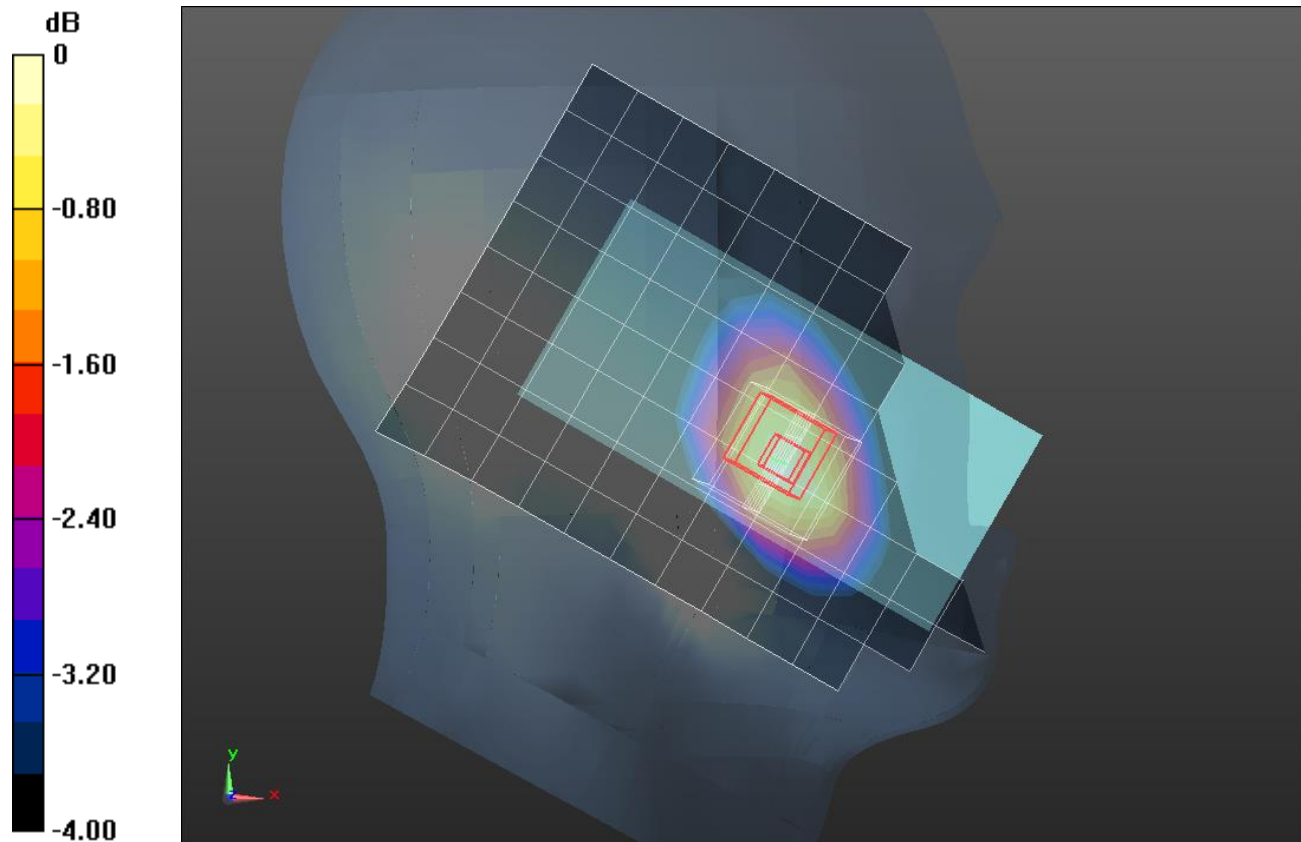
Reference Value = 19.82 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.386 W/kg

**SAR(1 g) = 0.299 W/kg; SAR(10 g) = 0.226 W/kg**

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

Maximum value of SAR (measured) = 0.356 W/kg



0 dB = 0.356 W/kg = -4.49 dBW/kg

## LTE Band 12

Frequency: 707.5 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used (interpolated):  $f = 707.5$  MHz;  $\sigma = 0.937$  S/m;  $\epsilon_r = 54.064$ ;  $\rho = 1000$  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 Sn1352; Calibrated: 11/8/2017
- Probe: EX3DV4 - SN7356; ConvF(10.96, 10.96, 10.96); Calibrated: 4/21/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1120

**Front/QPSK RB 1,0 Ch 23095\_15mm/Area Scan (8x12x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.445 W/kg

**Front/QPSK RB 1,0 Ch 23095\_15mm/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

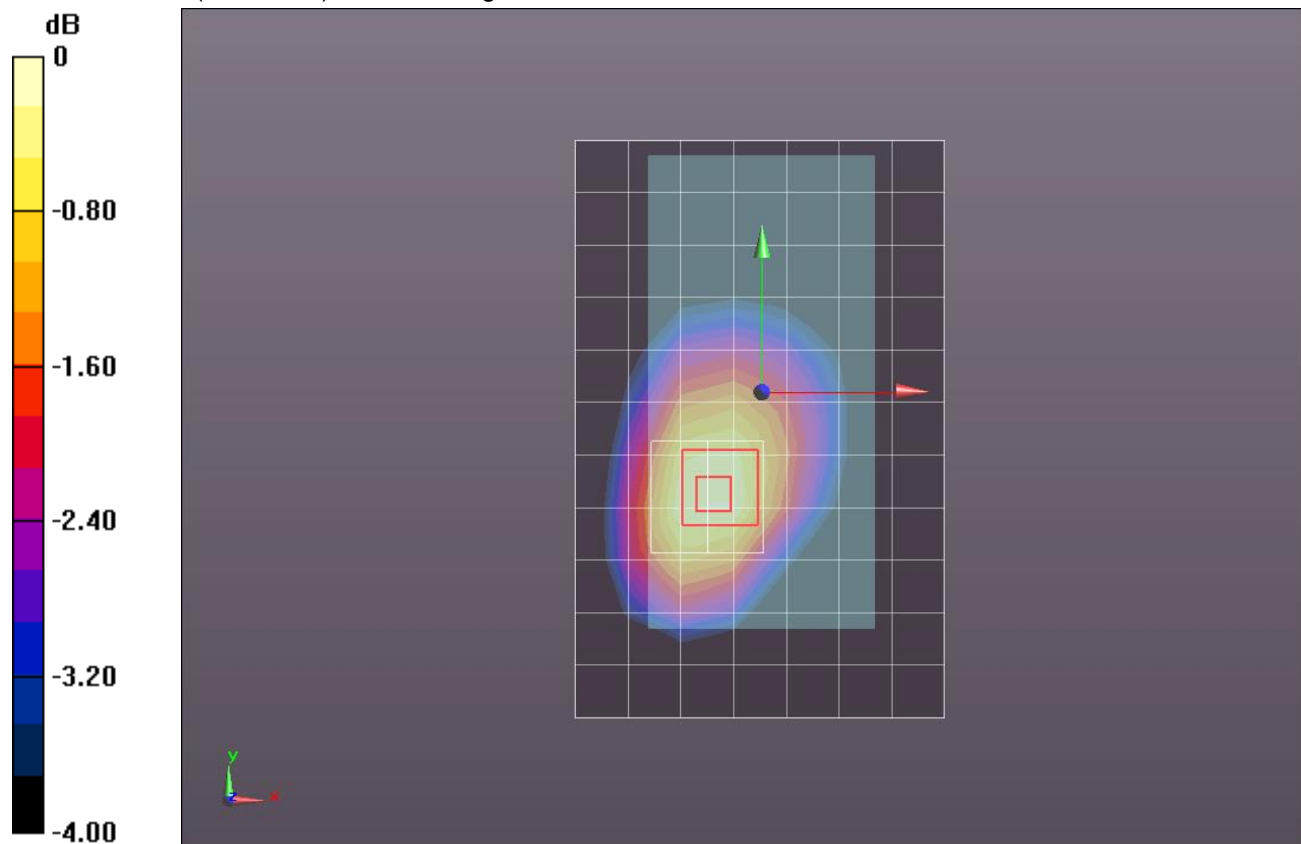
Reference Value = 21.94 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.506 W/kg

**SAR(1 g) = 0.395 W/kg; SAR(10 g) = 0.299 W/kg**

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

Maximum value of SAR (measured) = 0.471 W/kg



0 dB = 0.471 W/kg = -3.27 dBW/kg

## LTE Band 12

Frequency: 707.5 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used (interpolated):  $f = 707.5$  MHz;  $\sigma = 0.937$  S/m;  $\epsilon_r = 54.064$ ;  $\rho = 1000$  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 Sn1352; Calibrated: 11/8/2017
- Probe: EX3DV4 - SN7356; ConvF(10.96, 10.96, 10.96); Calibrated: 4/21/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1120

**Front/QPSK RB 1,0 Ch 23095\_10mm/Area Scan (8x12x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.625 W/kg

**Front/QPSK RB 1,0 Ch 23095\_10mm/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 25.70 V/m; Power Drift = 0.02 dB

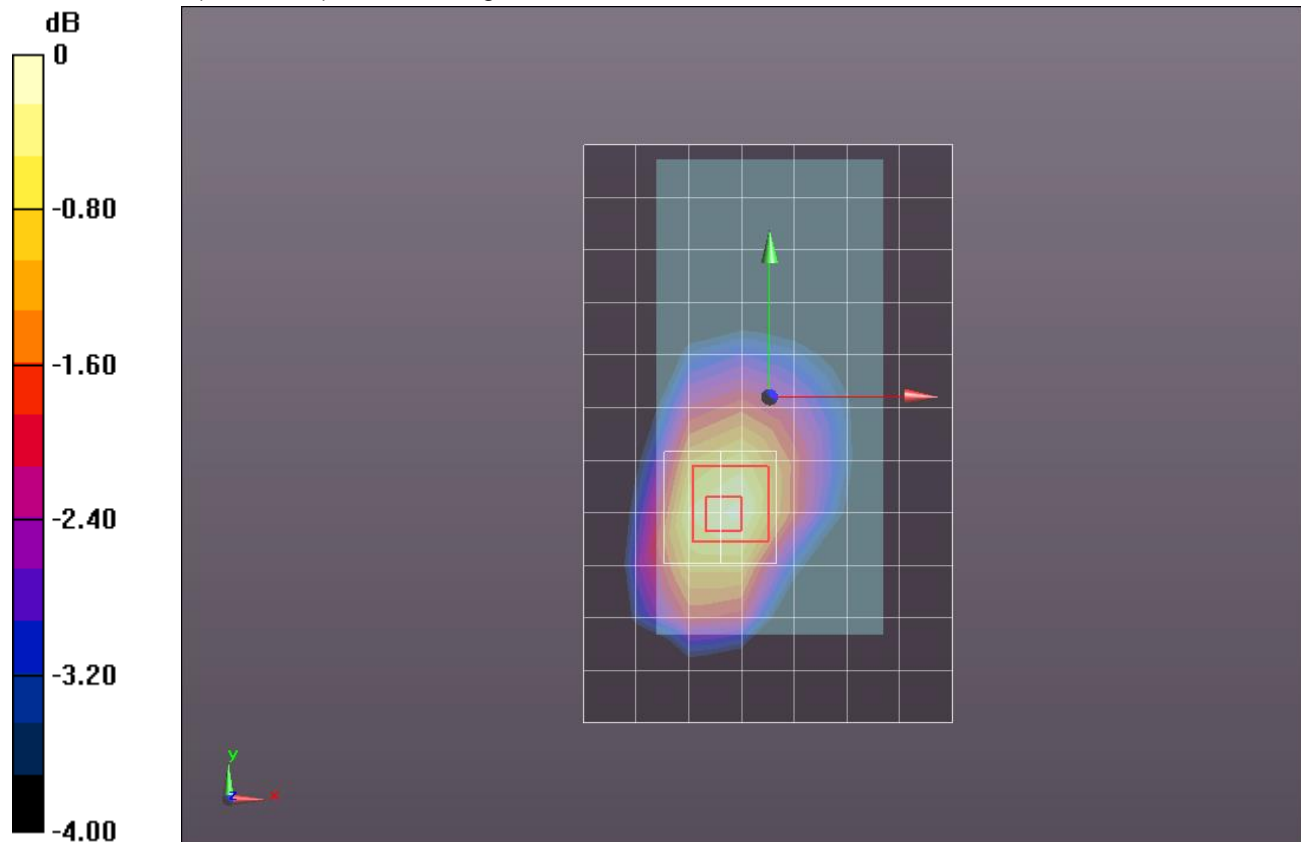
Peak SAR (extrapolated) = 0.699 W/kg

Peak SAR (extrapolated) = 0.699 W/kg

**SAR(1 g) = 0.544 W/kg; SAR(10 g) = 0.404 W/kg**

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

Maximum value of SAR (measured) = 0.647 W/kg



0 dB = 0.647 W/kg = -1.89 dBW/kg

### LTE Band 13

Frequency: 782 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used (interpolated):  $f = 782 \text{ MHz}$ ;  $\sigma = 0.929 \text{ S/m}$ ;  $\epsilon_r = 39.813$ ;  $\rho = 1000 \text{ kg/m}^3$

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 Sn1352; Calibrated: 11/8/2017
- Probe: EX3DV4 - SN7356; ConvF(11.48, 11.48, 11.48); Calibrated: 4/21/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: 1772

### LHS/Touch\_QPSK RB 1,25 Ch 23230/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

### LHS/Touch\_QPSK RB 1,25 Ch 23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

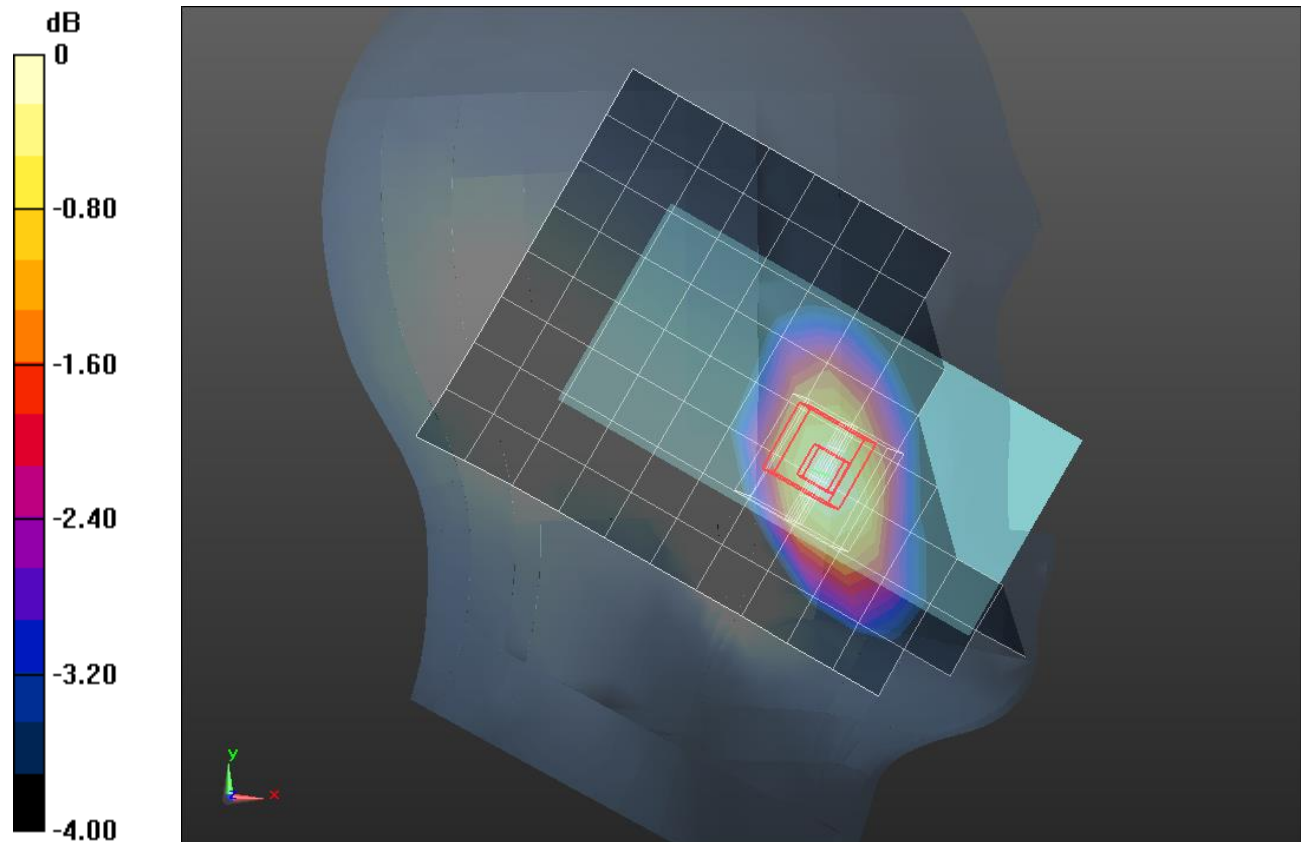
Reference Value = 20.45 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.447 W/kg

**SAR(1 g) = 0.337 W/kg; SAR(10 g) = 0.245 W/kg**

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

Maximum value of SAR (measured) = 0.410 W/kg



0 dB = 0.410 W/kg = -3.87 dBW/kg

## LTE Band 13

Frequency: 782 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used (interpolated):  $f = 782 \text{ MHz}$ ;  $\sigma = 1.008 \text{ S/m}$ ;  $\epsilon_r = 53.266$ ;  $\rho = 1000 \text{ kg/m}^3$

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 Sn1352; Calibrated: 11/8/2017
- Probe: EX3DV4 - SN7356; ConvF(10.96, 10.96, 10.96); Calibrated: 4/21/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1120

**Front/QPSK RB 1,25 Ch 23230\_15mm/Area Scan (8x12x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.478 W/kg

**Front/QPSK RB 1,25 Ch 23230\_15mm/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

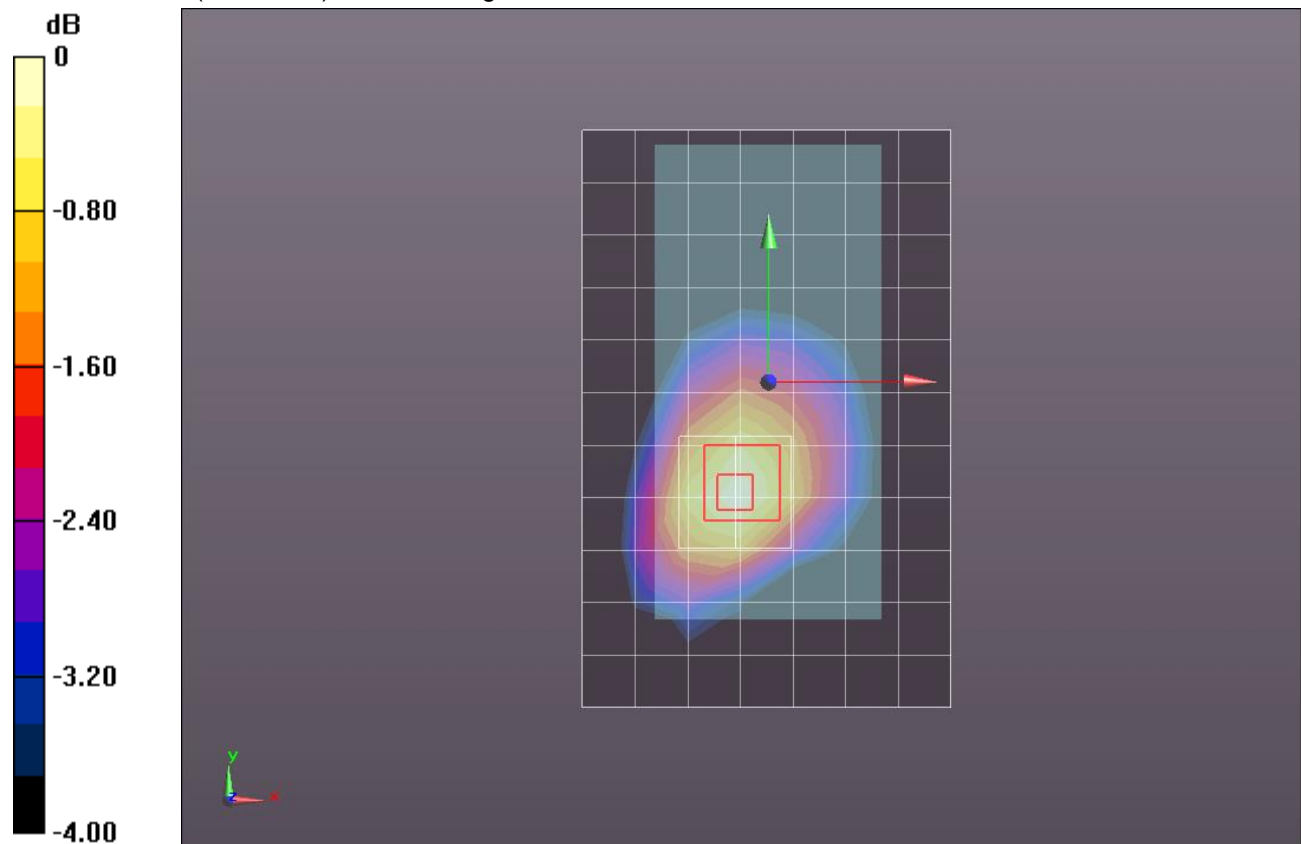
Reference Value = 21.27 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.516 W/kg

**SAR(1 g) = 0.396 W/kg; SAR(10 g) = 0.290 W/kg**

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

Maximum value of SAR (measured) = 0.477 W/kg



0 dB = 0.477 W/kg = -3.21 dBW/kg

### LTE Band 13

Frequency: 782 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used (interpolated):  $f = 782 \text{ MHz}$ ;  $\sigma = 1.008 \text{ S/m}$ ;  $\epsilon_r = 53.266$ ;  $\rho = 1000 \text{ kg/m}^3$

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 Sn1352; Calibrated: 11/8/2017
- Probe: EX3DV4 - SN7356; ConvF(10.96, 10.96, 10.96); Calibrated: 4/21/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1120

**Front/QPSK RB 1,25 Ch 23230\_10mm/Area Scan (8x12x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.681 W/kg

**Front/QPSK RB 1,25 Ch 23230\_10mm/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

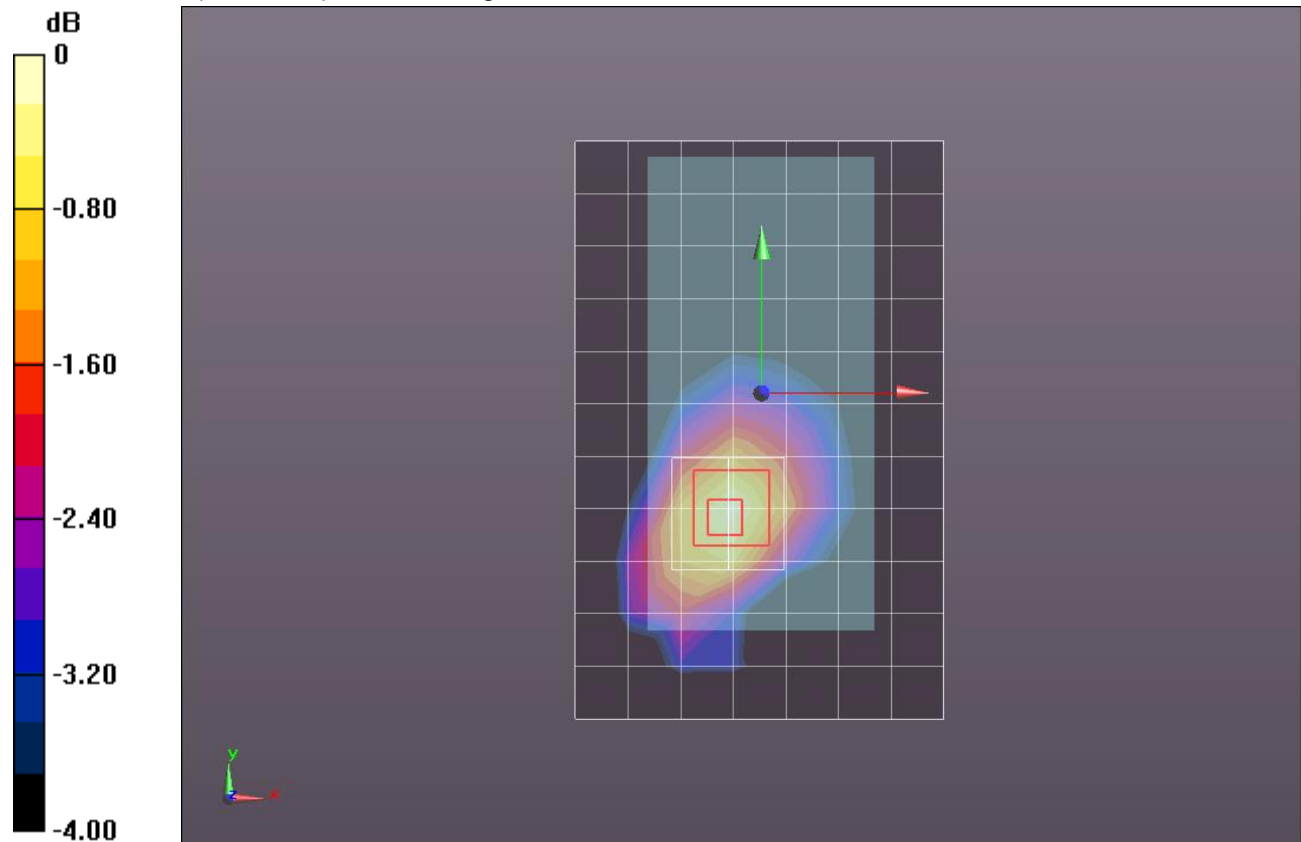
Reference Value = 25.70 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.762 W/kg

**SAR(1 g) = 0.578 W/kg; SAR(10 g) = 0.413 W/kg**

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

Maximum value of SAR (measured) = 0.701 W/kg



0 dB = 0.701 W/kg = -1.54 dBW/kg



## LTE Band 41

Frequency: 2593 MHz; Duty Cycle: 1:1.59956; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used (interpolated):  $f = 2593 \text{ MHz}$ ;  $\sigma = 1.989 \text{ S/m}$ ;  $\epsilon_r = 37.524$ ;  $\rho = 1000 \text{ kg/m}^3$   
 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 Sn1259; Calibrated: 1/10/2018
- Probe: EX3DV4 - SN3989; ConvF(7.68, 7.68, 7.68); Calibrated: 1/16/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CD; Serial: 1740

**RHS/Touch\_QPSK RB 50,0 Ch 40620/Area Scan (10x15x1):** Measurement grid: dx=12mm, dy=12mm

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

Maximum value of SAR (measured) = 0.757 W/kg

**RHS/Touch\_QPSK RB 50,0 Ch 40620/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

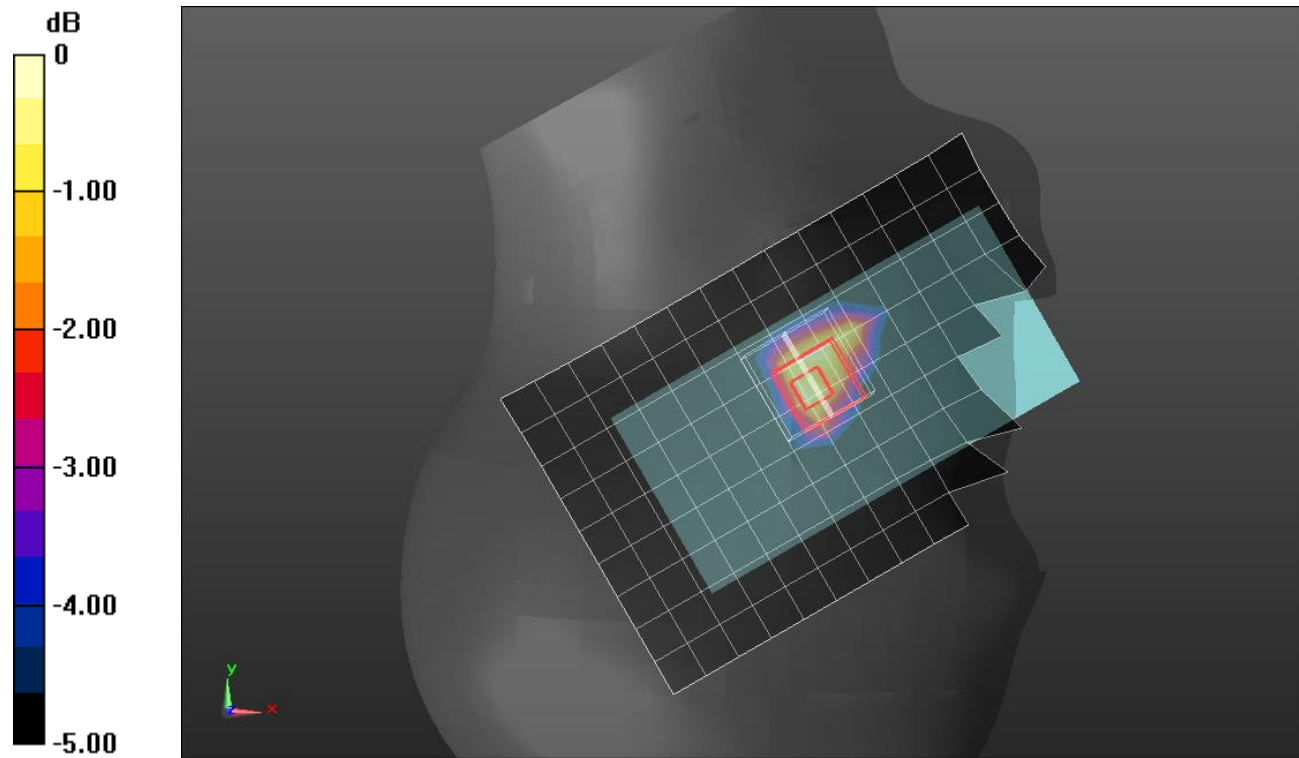
Reference Value = 18.70 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.77 W/kg

**SAR(1 g) = 0.615 W/kg; SAR(10 g) = 0.226 W/kg**

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

Maximum value of SAR (measured) = 0.805 W/kg



0 dB = 0.805 W/kg = -0.94 dBW/kg

## LTE Band 41

Frequency: 2593 MHz; Duty Cycle: 1:1.59956; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used (interpolated):  $f = 2593$  MHz;  $\sigma = 2.083$  S/m;  $\epsilon_r = 51.021$ ;  $\rho = 1000$  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 Sn1259; Calibrated: 1/10/2018
- Probe: EX3DV4 - SN3989; ConvF(7.75, 7.75, 7.75); Calibrated: 1/16/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI V5.0 Slot 1/2; Type: QD OVA 002 AA; Serial: 1258

**Front/QPSK RB 1,0 Ch 40620 15mm/Area Scan (10x15x1):** Measurement grid: dx=12mm, dy=12mm

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

Maximum value of SAR (measured) = 0.144 W/kg

**Front/QPSK RB 1,0 Ch 40620 15mm/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.601 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.211 W/kg

**SAR(1 g) = 0.098 W/kg; SAR(10 g) = 0.045 W/kg**

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

Maximum value of SAR (measured) = 0.166 W/kg

**Front/QPSK RB 1,0 Ch 40620 15mm/Zoom Scan 2 (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

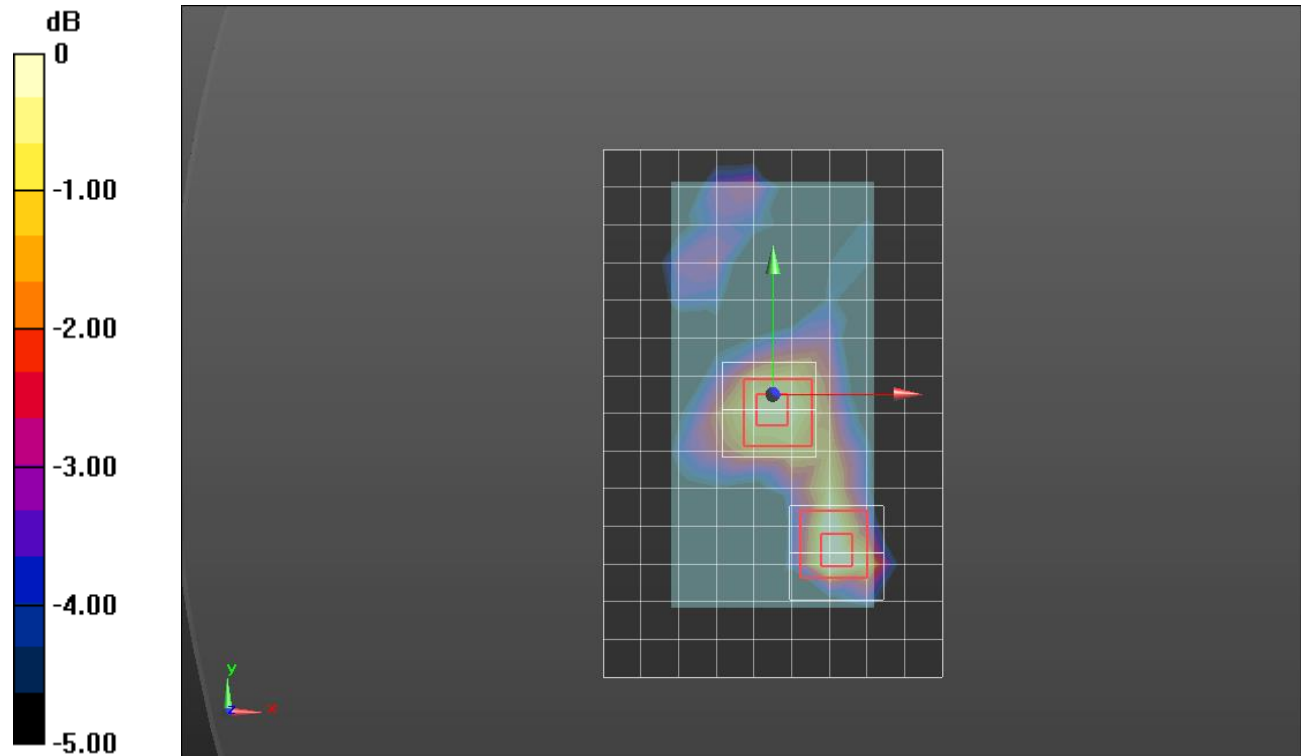
Reference Value = 7.601 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.153 W/kg

**SAR(1 g) = 0.078 W/kg; SAR(10 g) = 0.043 W/kg**

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

Maximum value of SAR (measured) = 0.123 W/kg



0 dB = 0.123 W/kg = -9.10 dBW/kg

## LTE Band 41

Frequency: 2593 MHz; Duty Cycle: 1:1.59956; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used (interpolated):  $f = 2593 \text{ MHz}$ ;  $\sigma = 2.083 \text{ S/m}$ ;  $\epsilon_r = 51.021$ ;  $\rho = 1000 \text{ kg/m}^3$   
 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 Sn1259; Calibrated: 1/10/2018
- Probe: EX3DV4 - SN3989; ConvF(7.75, 7.75, 7.75); Calibrated: 1/16/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI V5.0 Slot 1/2; Type: QD OVA 002 AA; Serial: 1258

**Front/QPSK RB 1,0 Ch 40620 10mm/Area Scan (10x15x1):** Measurement grid: dx=12mm, dy=12mm

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

Maximum value of SAR (measured) = 0.341 W/kg

**Front/QPSK RB 1,0 Ch 40620 10mm/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

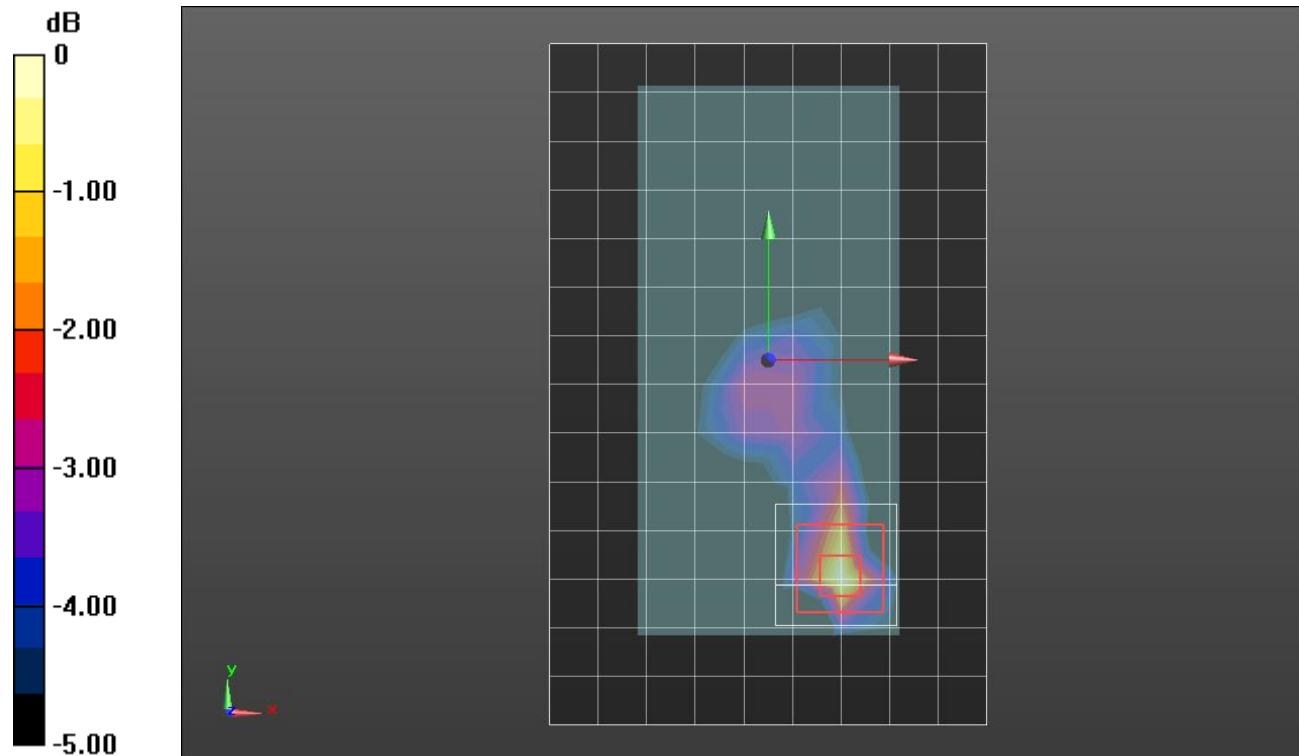
Reference Value = 11.80 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.435 W/kg

**SAR(1 g) = 0.204 W/kg; SAR(10 g) = 0.091 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 2.4GHz

Frequency: 2472 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used (interpolated):  $f = 2472 \text{ MHz}$ ;  $\sigma = 1.824 \text{ S/m}$ ;  $\epsilon_r = 38.955$ ;  $\rho = 1000 \text{ kg/m}^3$

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 Sn1377; Calibrated: 10/11/2017
- Probe: EX3DV4 - SN3773; ConvF(6.78, 6.78, 6.78); Calibrated: 4/21/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CD; Serial: 1602

**RHS/Touch\_802.11b\_ch 13\_Chain 0/Area Scan (10x16x1):** Measurement grid: dx=12mm, dy=12mm

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

Maximum value of SAR (measured) = 0.240 W/kg

**RHS/Touch\_802.11b\_ch 13\_Chain 0/Zoom Scan (8x9x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

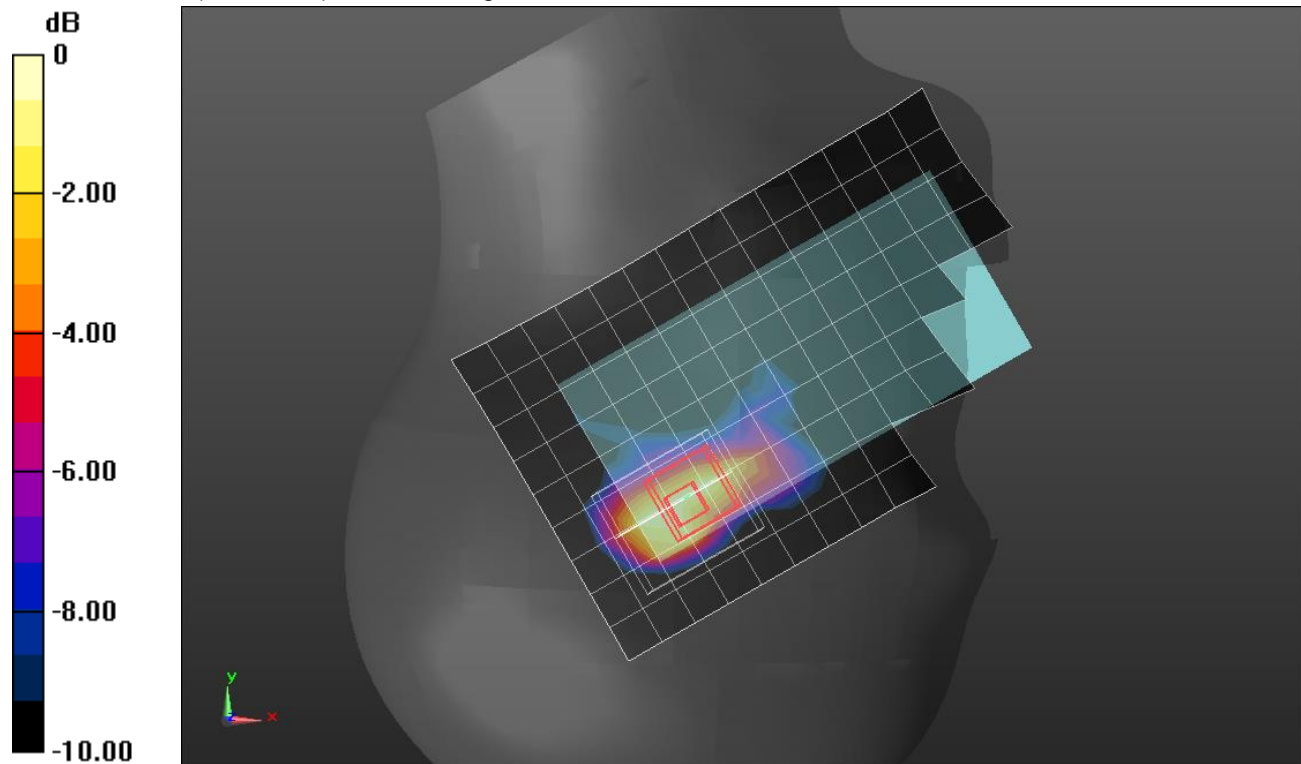
Reference Value = 11.88 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.425 W/kg

**SAR(1 g) = 0.182 W/kg; SAR(10 g) = 0.071 W/kg**

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

Maximum value of SAR (measured) = 0.266 W/kg



0 dB = 0.266 W/kg = -5.75 dBW/kg

## Wi-Fi 2.4GHz

Frequency: 2472 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used (interpolated):  $f = 2472 \text{ MHz}$ ;  $\sigma = 2.005 \text{ S/m}$ ;  $\epsilon_r = 50.526$ ;  $\rho = 1000 \text{ kg/m}^3$

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 Sn1377; Calibrated: 10/11/2017
- Probe: EX3DV4 - SN3773; ConvF(6.95, 6.95, 6.95); Calibrated: 4/21/2017;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI V5.0 Slot 1/2; Type: QD OVA 002 Ax; Serial: 1119

**Front/802.11b\_ch 13\_15mm\_Chain 0/Area Scan (11x17x1):** Measurement grid: dx=12mm, dy=12mm

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

Maximum value of SAR (measured) = 0.0149 W/kg

**Front/802.11b\_ch 13\_15mm\_Chain 0/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.838 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.0160 W/kg

**SAR(1 g) = 0.00736 W/kg; SAR(10 g) = 0.00308 W/kg**

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

Maximum value of SAR (measured) = 0.0104 W/kg

**Front/802.11b\_ch 13\_15mm\_Chain 0/Zoom Scan 2 (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

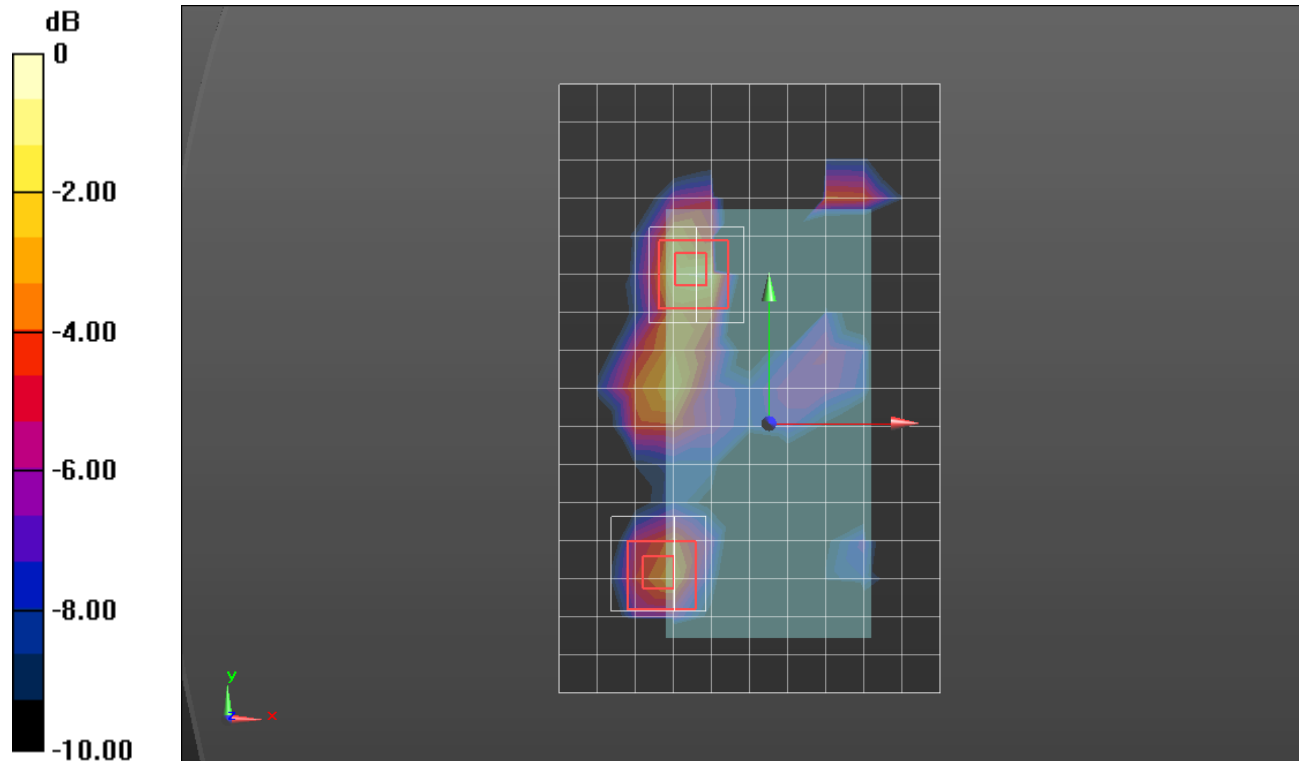
Reference Value = 2.838 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.0240 W/kg

**SAR(1 g) = 0.013 W/kg; SAR(10 g) = 0.00442 W/kg**

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

Maximum value of SAR (measured) = 0.0190 W/kg



0 dB = 0.0190 W/kg = -17.21 dBW/kg

## Wi-Fi 2.4GHz

Frequency: 2472 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used (interpolated):  $f = 2472 \text{ MHz}$ ;  $\sigma = 2.005 \text{ S/m}$ ;  $\epsilon_r = 50.526$ ;  $\rho = 1000 \text{ kg/m}^3$

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 Sn1377; Calibrated: 10/11/2017
- Probe: EX3DV4 - SN3773; ConvF(6.95, 6.95, 6.95); Calibrated: 4/21/2017;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI V5.0 Slot 1/2; Type: QD OVA 002 Ax; Serial: 1119

**Edge 4/802.11b\_ch 13\_10mm\_Chain 0/Area Scan (9x17x1):** Measurement grid: dx=12mm, dy=12mm

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

Maximum value of SAR (measured) = 0.0592 W/kg

**Edge 4/802.11b\_ch 13\_10mm\_Chain 0/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.509 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.109 W/kg

**SAR(1 g) = 0.052 W/kg; SAR(10 g) = 0.024 W/kg**

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

Maximum value of SAR (measured) = 0.0732 W/kg

**Edge 4/802.11b\_ch 13\_10mm\_Chain 0/Zoom Scan 2 (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

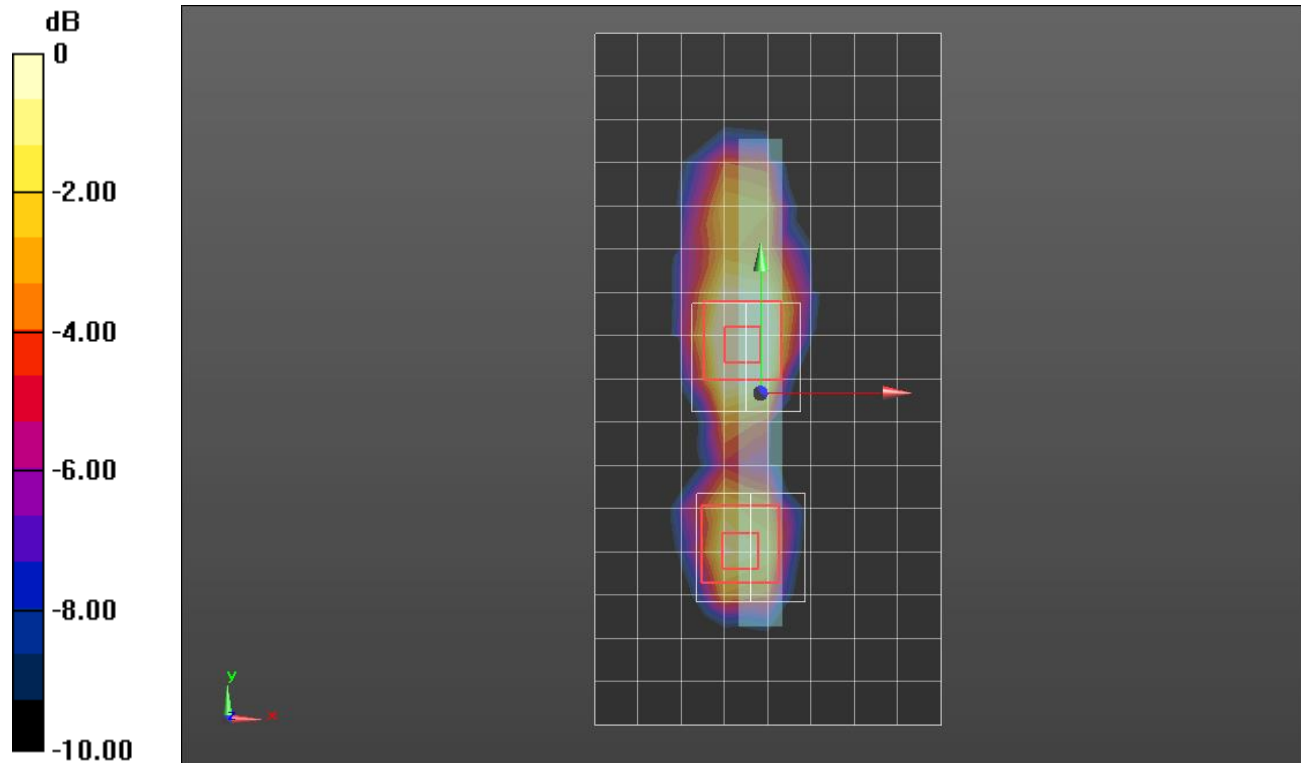
Reference Value = 5.509 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.0660 W/kg

**SAR(1 g) = 0.032 W/kg; SAR(10 g) = 0.015 W/kg**

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

Maximum value of SAR (measured) = 0.0445 W/kg



0 dB = 0.0445 W/kg = -13.52 dBW/kg

## Wi-Fi 2.4GHz

Frequency: 2472 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used (interpolated):  $f = 2472 \text{ MHz}$ ;  $\sigma = 1.824 \text{ S/m}$ ;  $\epsilon_r = 38.955$ ;  $\rho = 1000 \text{ kg/m}^3$

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 Sn1377; Calibrated: 10/11/2017
- Probe: EX3DV4 - SN3773; ConvF(6.78, 6.78, 6.78); Calibrated: 4/21/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CD; Serial: 1602

**RHS/Touch\_802.11b\_ch 13\_Chain 1/Area Scan (10x16x1):** Measurement grid: dx=12mm, dy=12mm

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

Maximum value of SAR (measured) = 0.132 W/kg

**RHS/Touch\_802.11b\_ch 13\_Chain 1/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

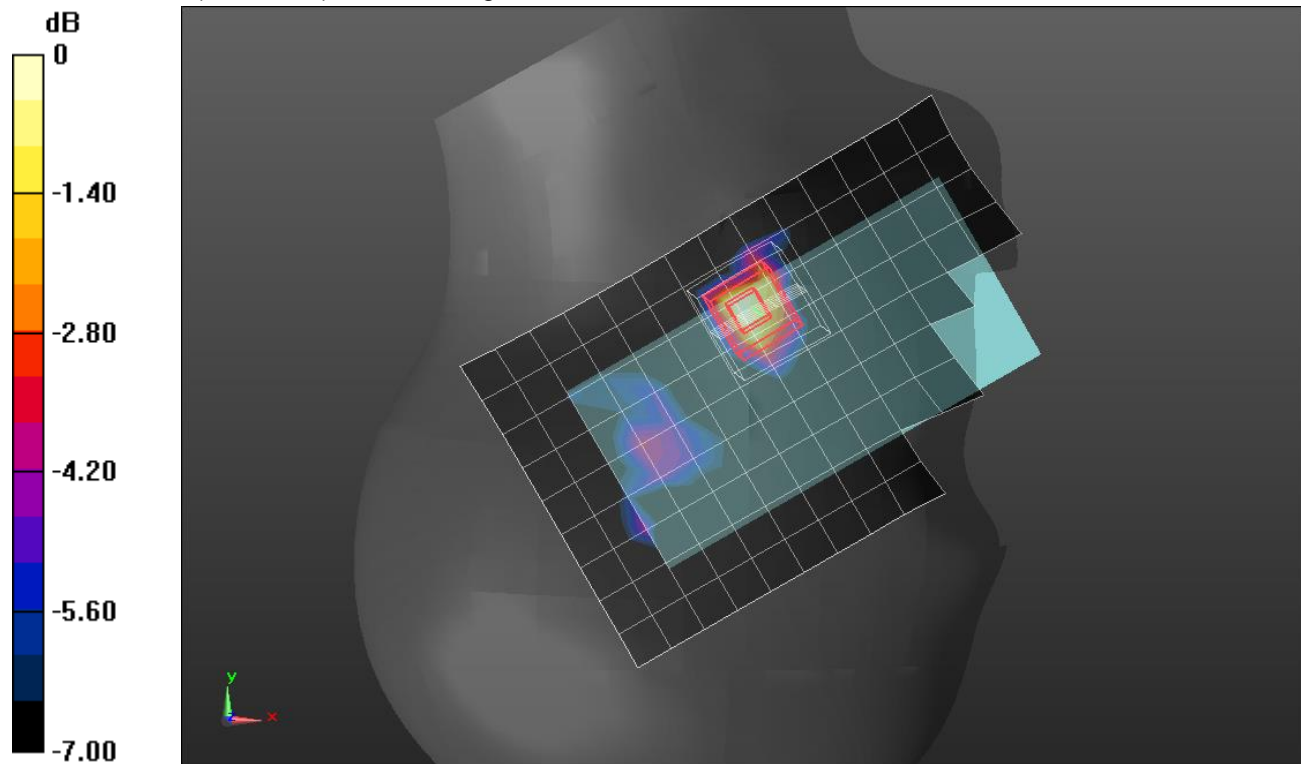
Reference Value = 8.127 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.198 W/kg

**SAR(1 g) = 0.077 W/kg; SAR(10 g) = 0.029 W/kg**

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

Maximum value of SAR (measured) = 0.116 W/kg



0 dB = 0.116 W/kg = -9.36 dBW/kg

## Wi-Fi 2.4GHz

Frequency: 2472 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used (interpolated):  $f = 2472 \text{ MHz}$ ;  $\sigma = 2.005 \text{ S/m}$ ;  $\epsilon_r = 50.526$ ;  $\rho = 1000 \text{ kg/m}^3$

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 Sn1377; Calibrated: 10/11/2017
- Probe: EX3DV4 - SN3773; ConvF(6.95, 6.95, 6.95); Calibrated: 4/21/2017;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI V5.0 Slot 1/2; Type: QD OVA 002 Ax; Serial: 1119

**Rear/802.11b\_ch 13\_15mm\_Chain 1/Area Scan (11x17x1):** Measurement grid: dx=12mm, dy=12mm

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

Maximum value of SAR (measured) = 0.0110 W/kg

**Rear/802.11b\_ch 13\_15mm\_Chain 1/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

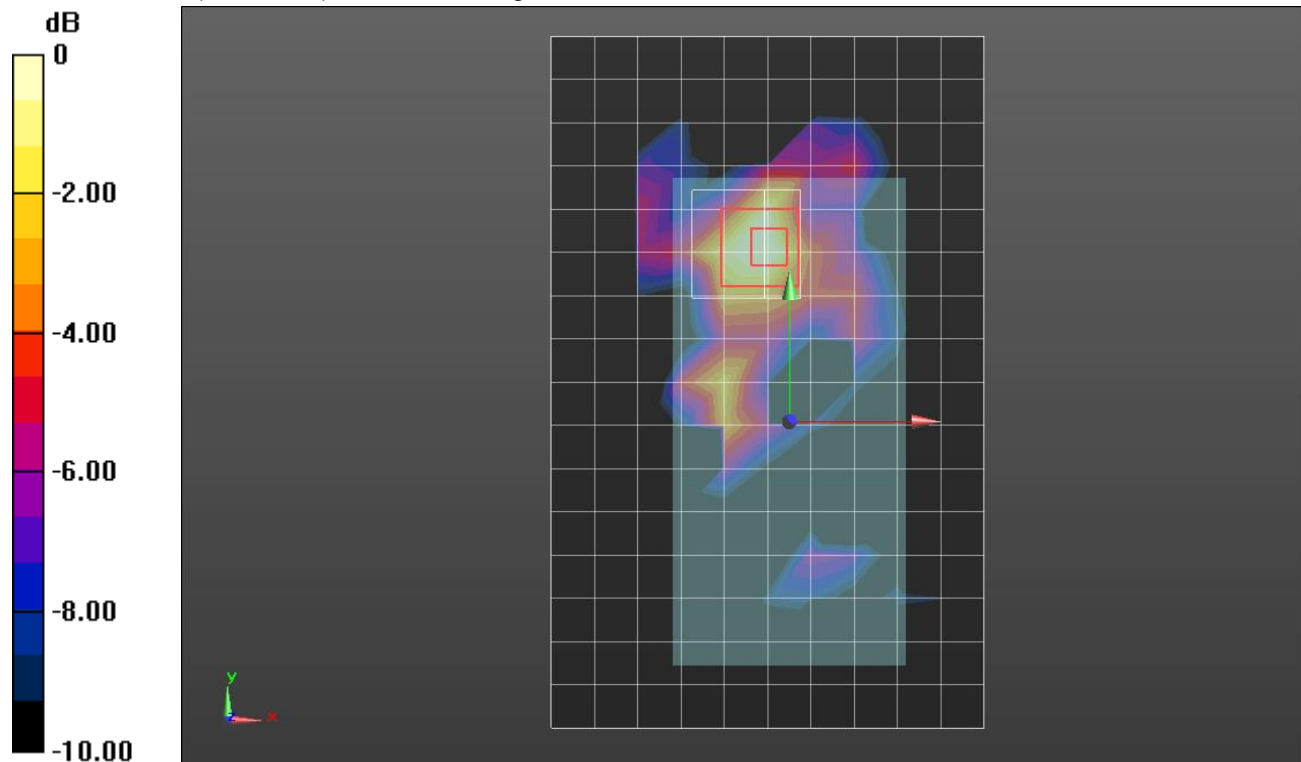
Reference Value = 2.238 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.0140 W/kg

**SAR(1 g) = 0.00672 W/kg; SAR(10 g) = 0.00197 W/kg**

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

Maximum value of SAR (measured) = 0.00949 W/kg



0 dB = 0.00949 W/kg = -20.23 dBW/kg



## Wi-Fi 2.4GHz

Frequency: 2472 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used (interpolated):  $f = 2472 \text{ MHz}$ ;  $\sigma = 2.005 \text{ S/m}$ ;  $\epsilon_r = 50.526$ ;  $\rho = 1000 \text{ kg/m}^3$

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 Sn1377; Calibrated: 10/11/2017
- Probe: EX3DV4 - SN3773; ConvF(6.95, 6.95, 6.95); Calibrated: 4/21/2017;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI V5.0 Slot 1/2; Type: QD OVA 002 Ax; Serial: 1119

**Rear/802.11b\_ch 13\_10mm\_Chain 1/Area Scan (11x17x1):** Measurement grid: dx=12mm, dy=12mm

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

Maximum value of SAR (measured) = 0.0188 W/kg

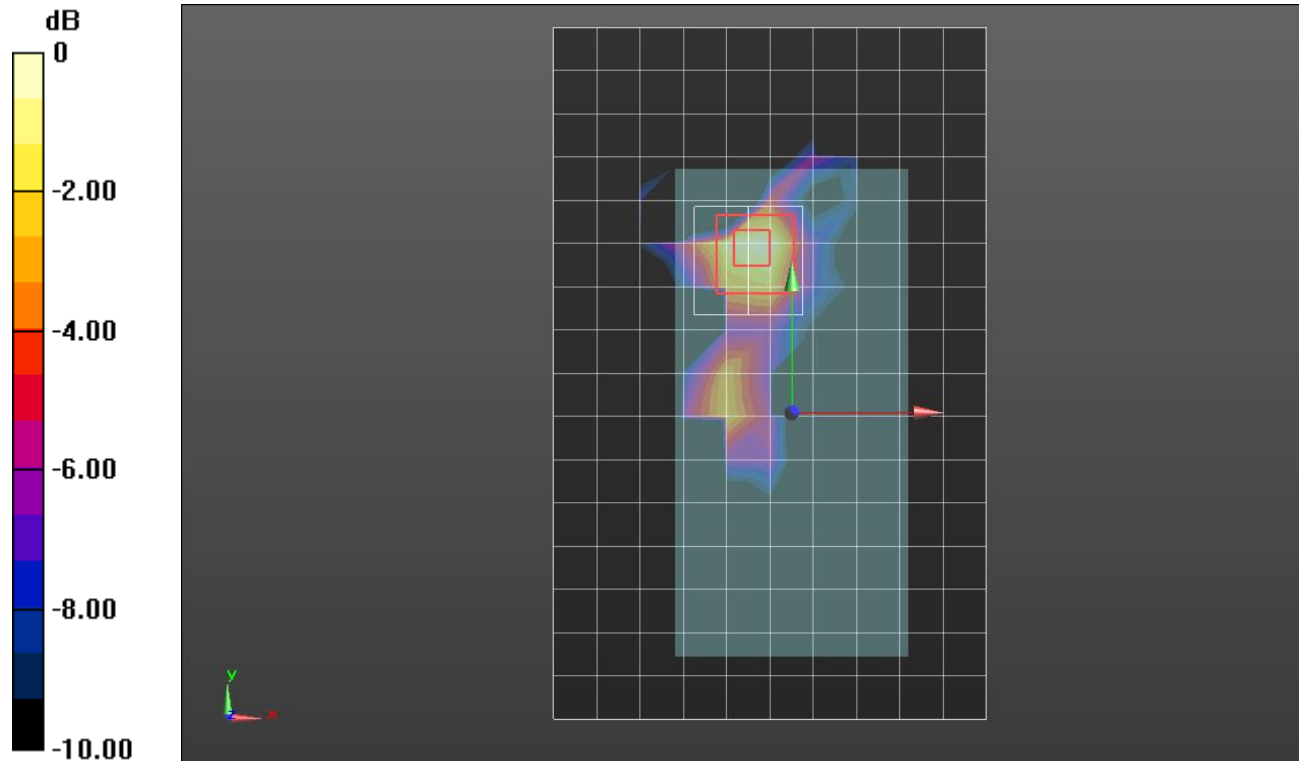
**Rear/802.11b\_ch 13\_10mm\_Chain 1/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.050 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.0360 W/kg

**SAR(1 g) = 0.014 W/kg; SAR(10 g) = 0.0063 W/kg**

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



0 dB = 0.0188 W/kg = -17.26 dBW/kg

## Wi-Fi 5.3GHz

Frequency: 5260 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used:  $f = 5260$  MHz;  $\sigma = 4.658$  S/m;  $\epsilon_r = 34.929$ ;  $\rho = 1000$  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 Sn1257; Calibrated: 10/11/2017
- Probe: EX3DV4 - SN7483; ConvF(5.55, 5.55, 5.55); Calibrated: 12/12/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CE; Serial: xxxx

**RHS/Touch\_802.11a\_Ch 52\_Chain 0/Area Scan (11x19x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.294 W/kg

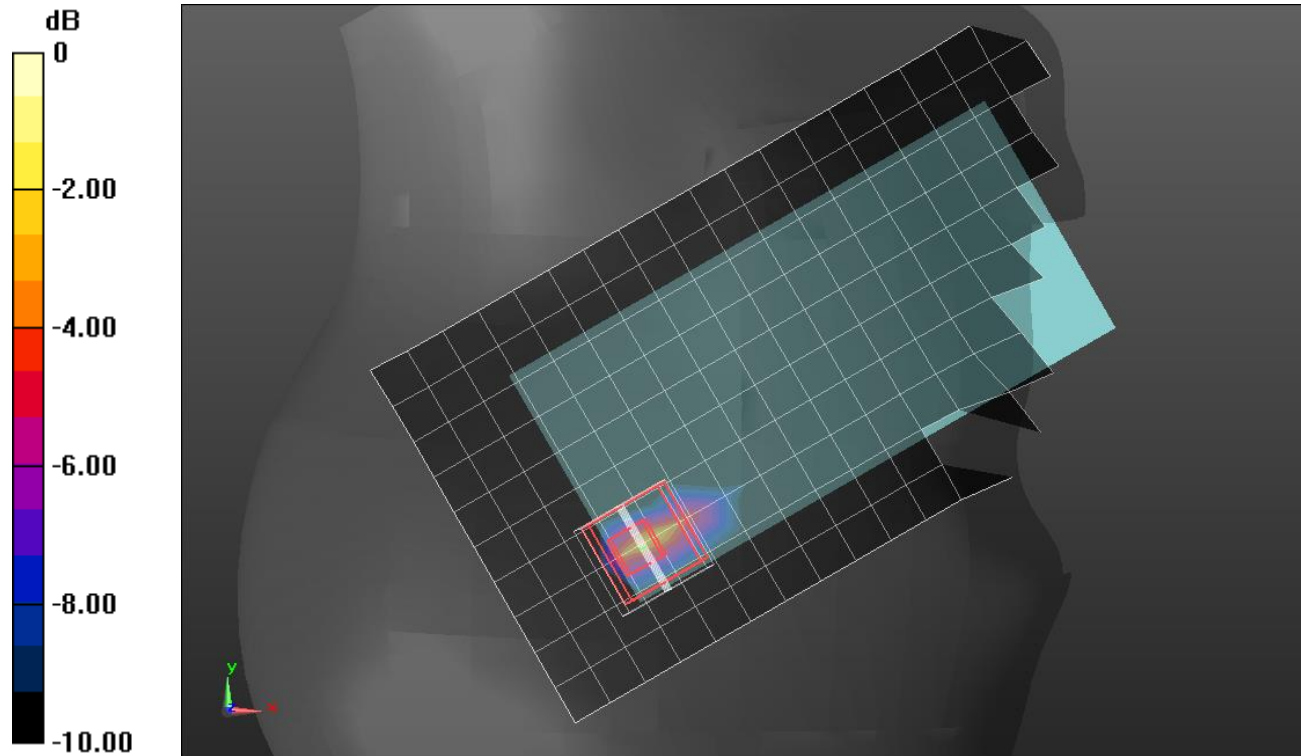
**RHS/Touch\_802.11a\_Ch 52\_Chain 0/Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 6.607 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.904 W/kg

**SAR(1 g) = 0.181 W/kg; SAR(10 g) = 0.046 W/kg**

Maximum value of SAR (measured) = 0.502 W/kg



0 dB = 0.502 W/kg = -2.99 dBW/kg

## Wi-Fi 5.3GHz

Frequency: 5260 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used:  $f = 5260 \text{ MHz}$ ;  $\sigma = 5.255 \text{ S/m}$ ;  $\epsilon_r = 48.01$ ;  $\rho = 1000 \text{ kg/m}^3$

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 Sn1472; Calibrated: 3/10/2017
- Probe: EX3DV4 - SN3871; ConvF(4.7, 4.7, 4.7); Calibrated: 8/23/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI V5.0 Slot 1/2; Type: QD OVA 002 Ax; Serial: 1119

**Front/802.11a\_Ch 52 Chain 0\_15mm/Area Scan (12x19x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.0123 W/kg

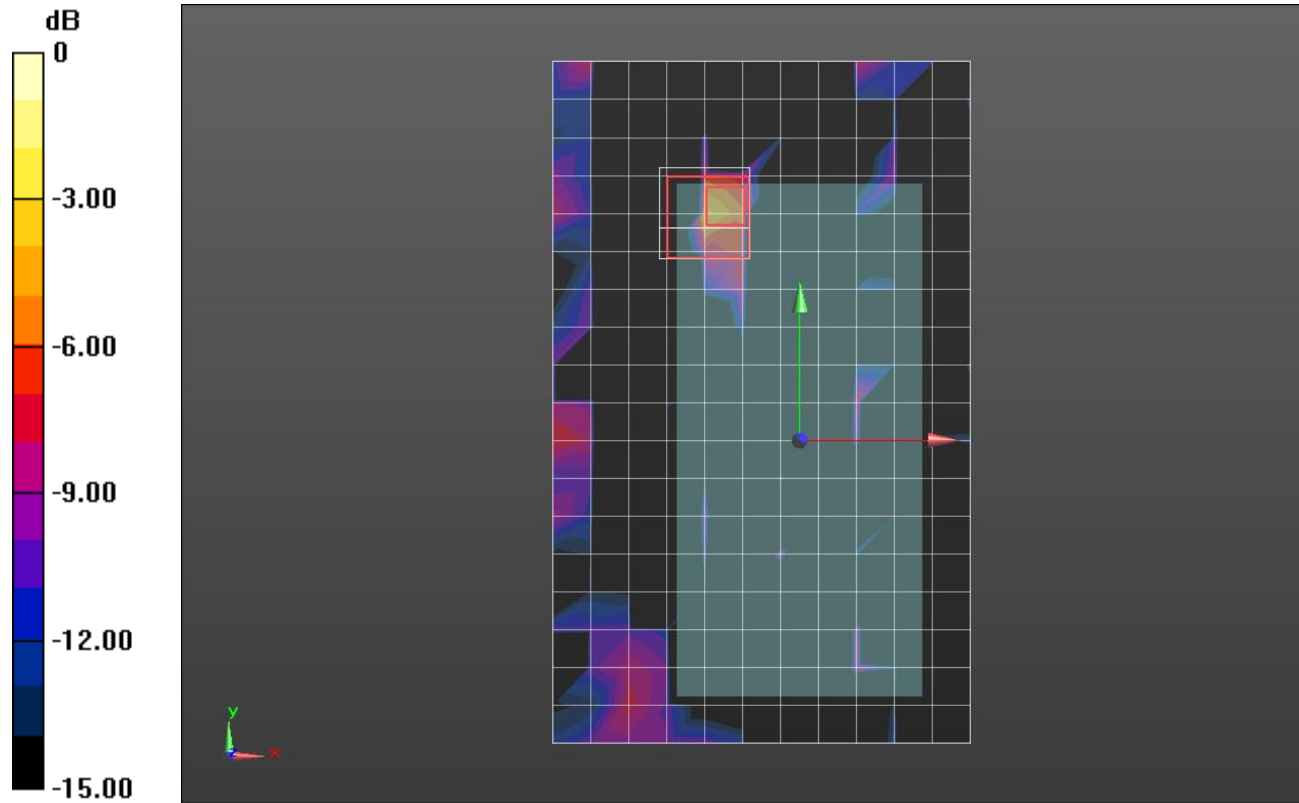
**Front/802.11a\_Ch 52 Chain 0\_15mm/Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.300 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.0790 W/kg

**SAR(1 g) = 0.00364 W/kg; SAR(10 g) = 0.000514 W/kg**

Maximum value of SAR (measured) = 0.0271 W/kg



0 dB = 0.0271 W/kg = -15.67 dBW/kg

## Wi-Fi 5.3GHz Head

Frequency: 5270 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used:  $f = 5270 \text{ MHz}$ ;  $\sigma = 4.634 \text{ S/m}$ ;  $\epsilon_r = 35.29$ ;  $\rho = 1000 \text{ kg/m}^3$

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 Sn1257; Calibrated: 10/11/2017
- Probe: EX3DV4 - SN7483; ConvF(5.55, 5.55, 5.55); Calibrated: 12/12/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CD; Serial: 1831

**LHS/Touch\_802.11n HT40\_Ch 54\_Chain 1/Area Scan (11x19x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.436 W/kg

**LHS/Touch\_802.11n HT40\_Ch 54\_Chain 1/Zoom Scan (7x7x12)/Cube 0:** Measurement grid:

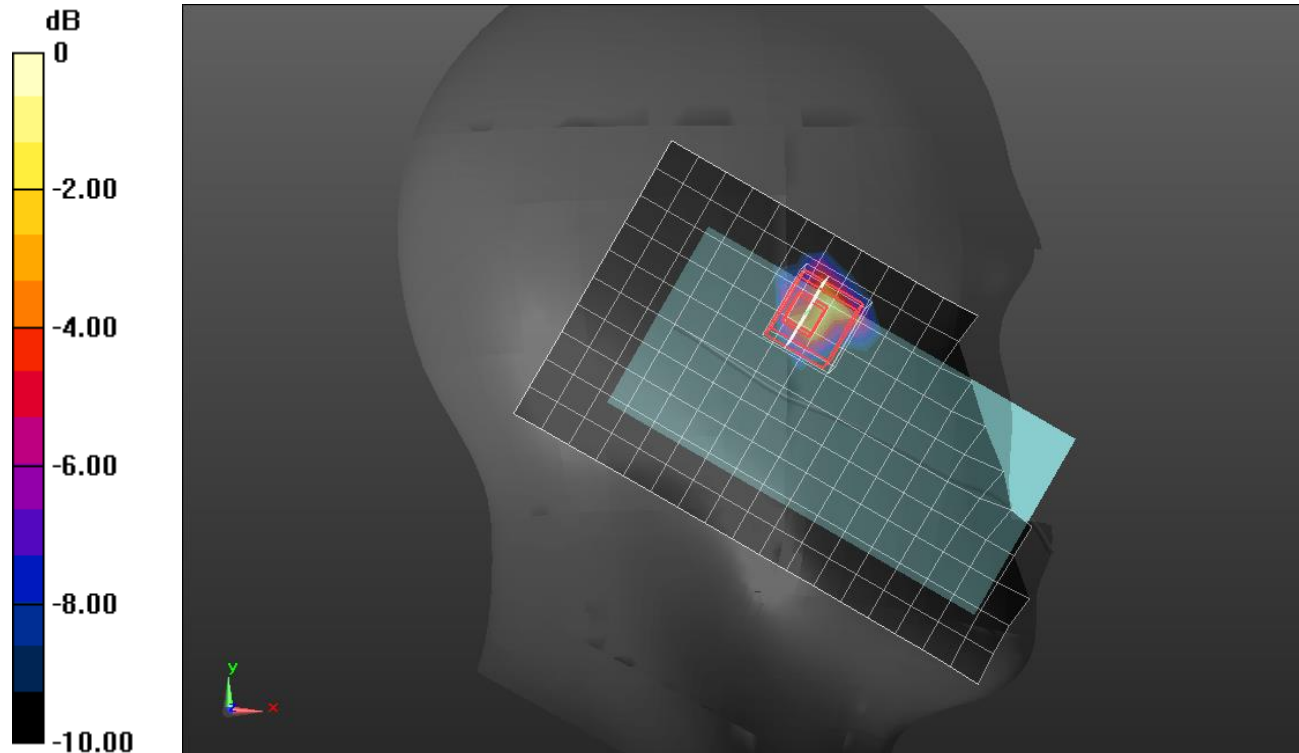
dx=4mm, dy=4mm, dz=2mm

Reference Value = 6.192 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.908 W/kg

**SAR(1 g) = 0.203 W/kg; SAR(10 g) = 0.059 W/kg**

Maximum value of SAR (measured) = 0.556 W/kg



0 dB = 0.556 W/kg = -2.55 dBW/kg

### Wi-Fi 5GHz 5.3GHz FCC

Frequency: 5270 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used:  $f = 5270 \text{ MHz}$ ;  $\sigma = 5.387 \text{ S/m}$ ;  $\epsilon_r = 49.486$ ;  $\rho = 1000 \text{ kg/m}^3$

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 Sn1359; Calibrated: 2/9/2018
- Probe: EX3DV4 - SN3871; ConvF(4.7, 4.7, 4.7); Calibrated: 8/23/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI V5.0 Slot 1/2; Type: QD OVA 002 Ax; Serial: 1119

**Rear/802.11n\_HT40\_Ch 54 Chain 1\_15mm/Area Scan (12x19x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.0411 W/kg

**Rear/802.11n\_HT40\_Ch 54 Chain 1\_15mm/Zoom Scan (7x7x12)/Cube 0:** Measurement grid:

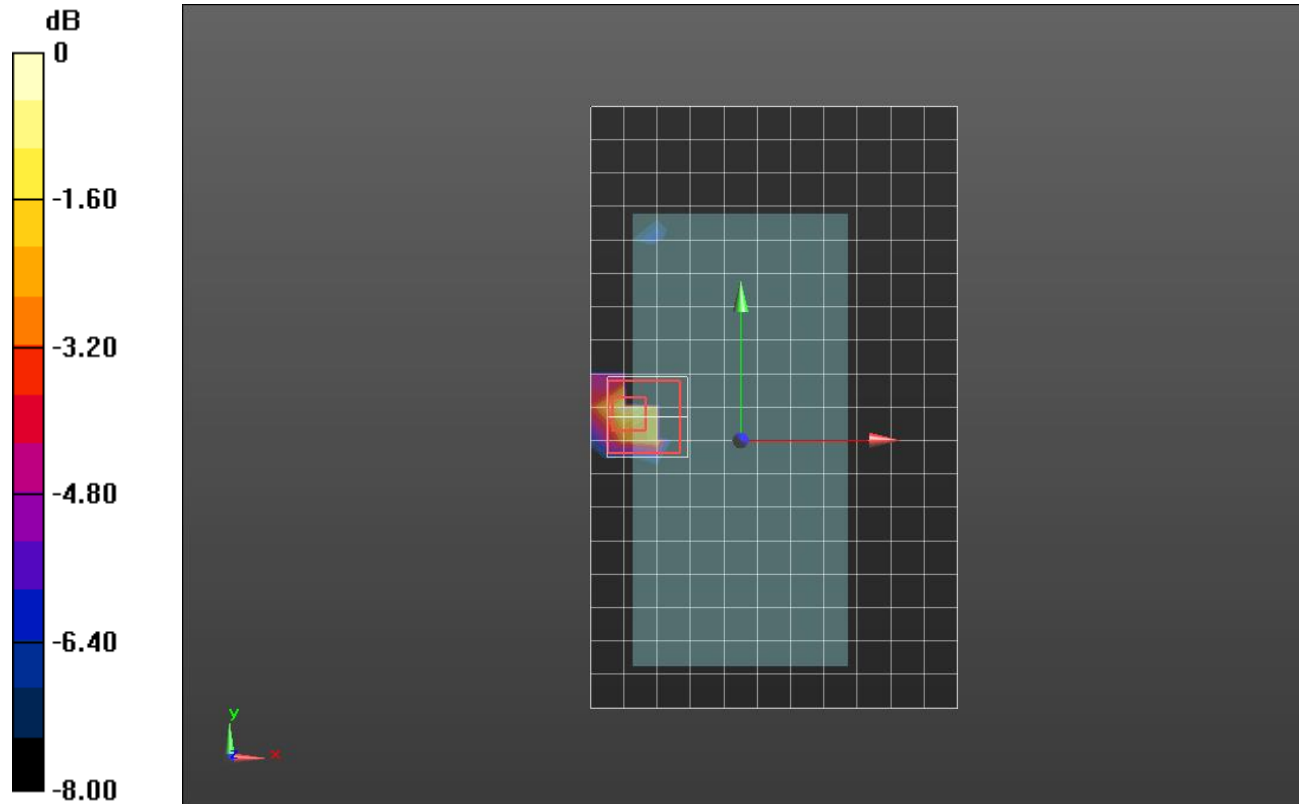
dx=4mm, dy=4mm, dz=2mm

Reference Value = 2.268 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.193 W/kg

**SAR(1 g) = 0.014 W/kg; SAR(10 g) = 0.00313 W/kg**

Maximum value of SAR (measured) = 0.0440 W/kg



0 dB = 0.0440 W/kg = -13.57 dBW/kg

## Wi-Fi 5.6GHz

Frequency: 5580 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used:  $f = 5580 \text{ MHz}$ ;  $\sigma = 5.018 \text{ S/m}$ ;  $\epsilon_r = 35.474$ ;  $\rho = 1000 \text{ kg/m}^3$

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 Sn1257; Calibrated: 10/11/2017
- Probe: EX3DV4 - SN7483; ConvF(5.05, 5.05, 5.05); Calibrated: 12/12/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CE; Serial: xxxx

**RHS/Tilt\_802.11a\_Ch 116\_Chain 0/Area Scan (11x19x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.877 W/kg

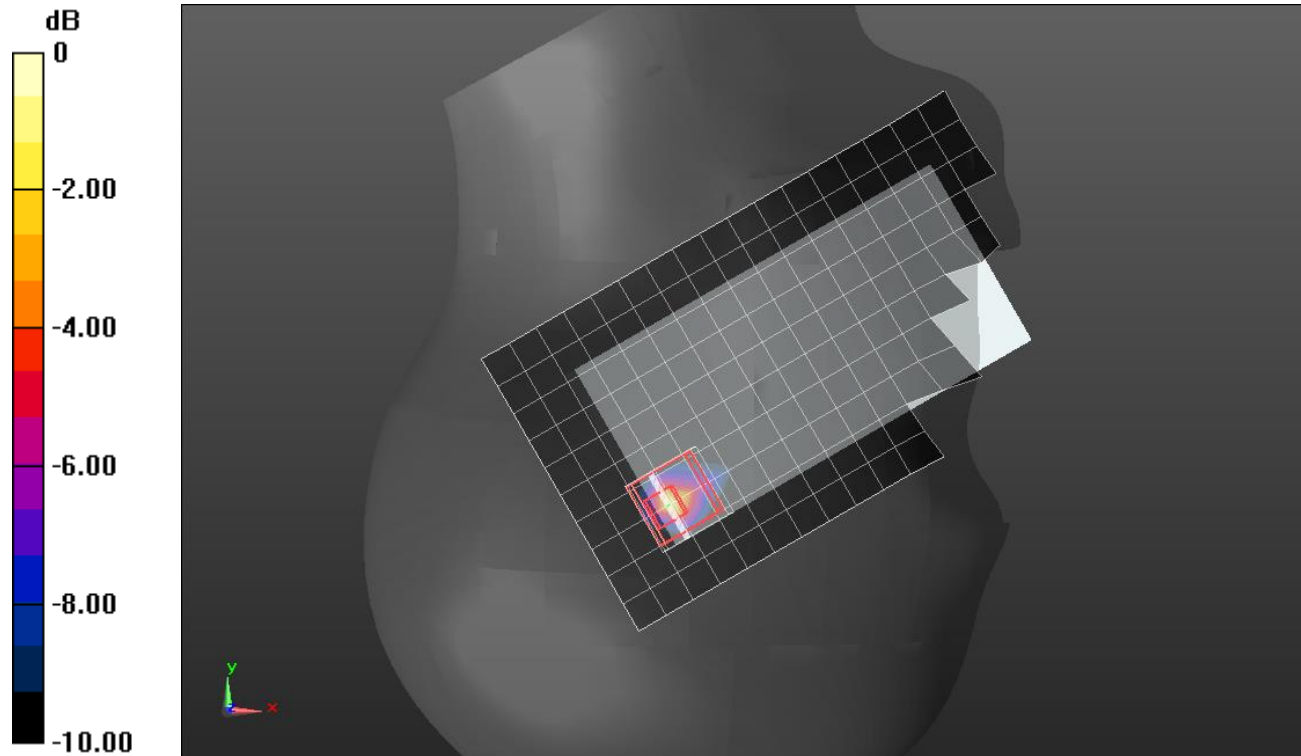
**RHS/Tilt\_802.11a\_Ch 116\_Chain 0/Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 8.651 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 1.74 W/kg

**SAR(1 g) = 0.344 W/kg; SAR(10 g) = 0.082 W/kg**

Maximum value of SAR (measured) = 0.987 W/kg



0 dB = 0.987 W/kg = -0.06 dBW/kg

## Wi-Fi 5.6GHz

Frequency: 5580 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used:  $f = 5580$  MHz;  $\sigma = 5.837$  S/m;  $\epsilon_r = 49.099$ ;  $\rho = 1000$  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 Sn1472; Calibrated: 3/10/2017
- Probe: EX3DV4 - SN3871; ConvF(4.1, 4.1, 4.1); Calibrated: 8/23/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI V5.0 Slot 1/2; Type: QD OVA 002 Ax; Serial: 1119

**Rear/802.11a\_Ch 116\_Chain 0\_15mm/Area Scan (12x19x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.0526 W/kg

**Rear/802.11a\_Ch 116\_Chain 0\_15mm/Zoom Scan (10x11x12)/Cube 0:** Measurement grid:

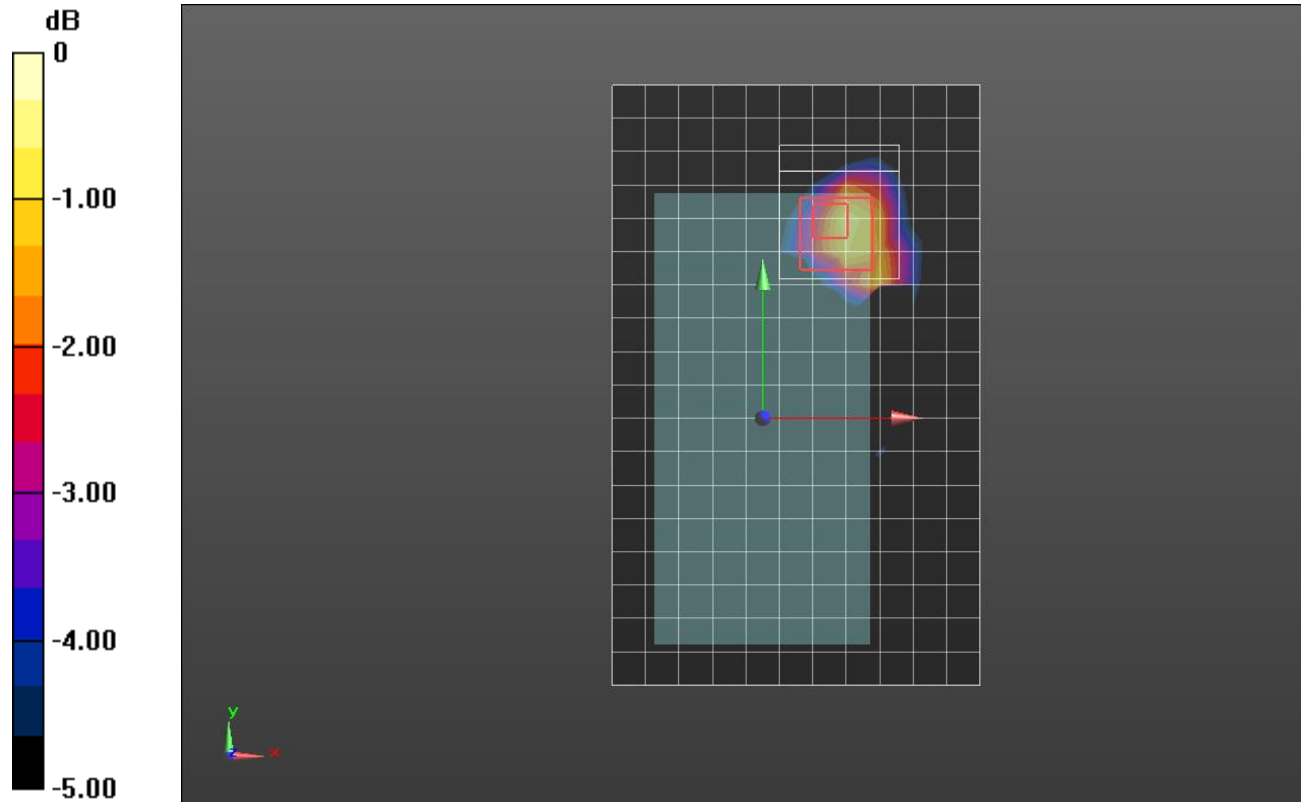
dx=4mm, dy=4mm, dz=2mm

Reference Value = 2.006 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.212 W/kg

**SAR(1 g) = 0.016 W/kg; SAR(10 g) = 0.00532 W/kg**

Maximum value of SAR (measured) = 0.0617 W/kg



0 dB = 0.0617 W/kg = -12.10 dBW/kg

## Wi-Fi 5.6GHz Head

Frequency: 5540 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used (interpolated):  $f = 5540 \text{ MHz}$ ;  $\sigma = 4.921 \text{ S/m}$ ;  $\epsilon_r = 34.992$ ;  $\rho = 1000 \text{ kg/m}^3$

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 Sn1257; Calibrated: 10/11/2017
- Probe: EX3DV4 - SN7483; ConvF(5.05, 5.05, 5.05); Calibrated: 12/12/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CD; Serial: 1831

### RHS/Touch\_802.11ac VHT80\_Ch 138\_Chain 1/Area Scan (11x19x1): Measurement grid:

$dx=10\text{mm}$ ,  $dy=10\text{mm}$

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

Maximum value of SAR (measured) = 0.497 W/kg

### RHS/Touch\_802.11ac VHT80\_Ch 138\_Chain 1/Zoom Scan (7x7x12)/Cube 0: Measurement grid:

$dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=2\text{mm}$

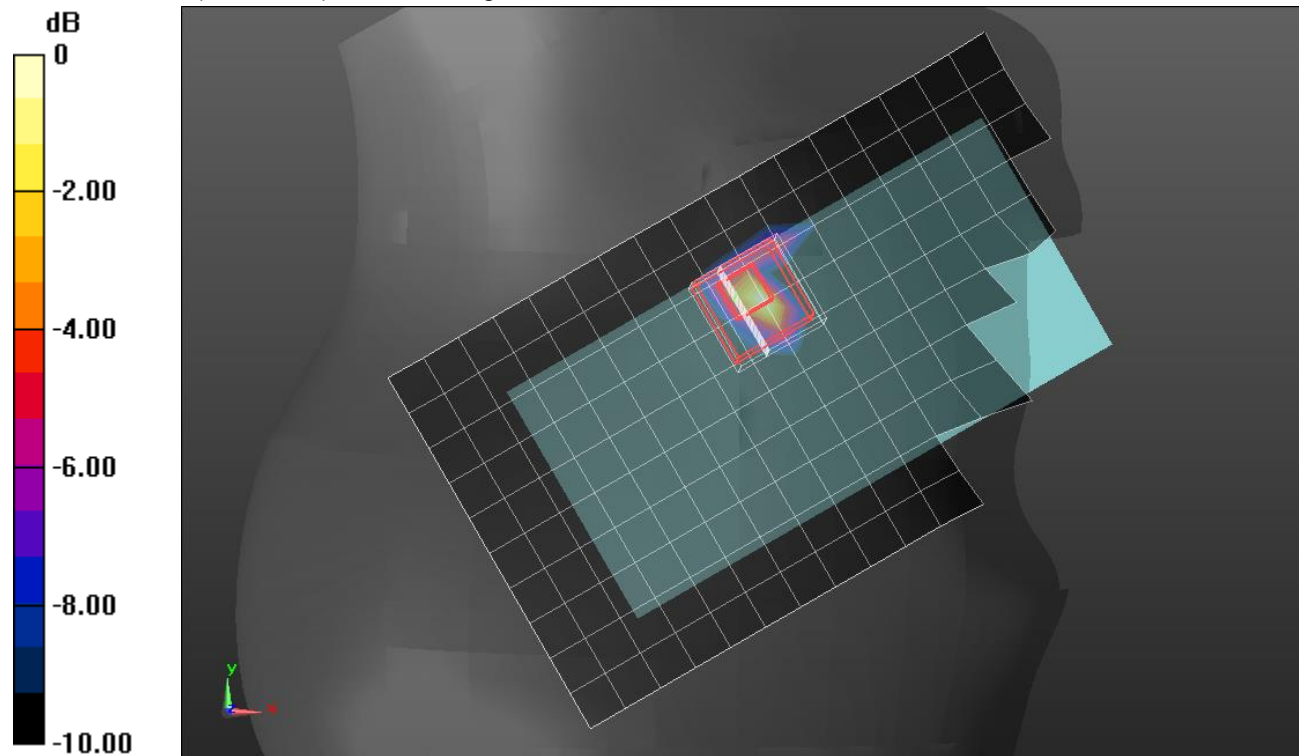
Reference Value = 6.788 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.753 W/kg

**SAR(1 g) = 0.158 W/kg; SAR(10 g) = 0.037 W/kg**

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

Maximum value of SAR (measured) = 0.450 W/kg



0 dB = 0.450 W/kg = -3.47 dBW/kg



## Wi-Fi 5GHz 5.5GHz FCC

Frequency: 5690 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used (interpolated):  $f = 5690 \text{ MHz}$ ;  $\sigma = 5.981 \text{ S/m}$ ;  $\epsilon_r = 48.968$ ;  $\rho = 1000 \text{ kg/m}^3$

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 Sn1359; Calibrated: 2/9/2018
- Probe: EX3DV4 - SN3871; ConvF(4.32, 4.32, 4.32); Calibrated: 8/23/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI V5.0 Slot 1/2; Type: QD OVA 002 Ax; Serial: 1119

**Rear/802.11ac\_HT80\_Ch 138 Chain 1\_15mm/Area Scan (12x19x1):** Measurement grid: dx=10mm, dy=10mm

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

Maximum value of SAR (measured) = 0.0393 W/kg

**Rear/802.11ac\_HT80\_Ch 138 Chain 1\_15mm/Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

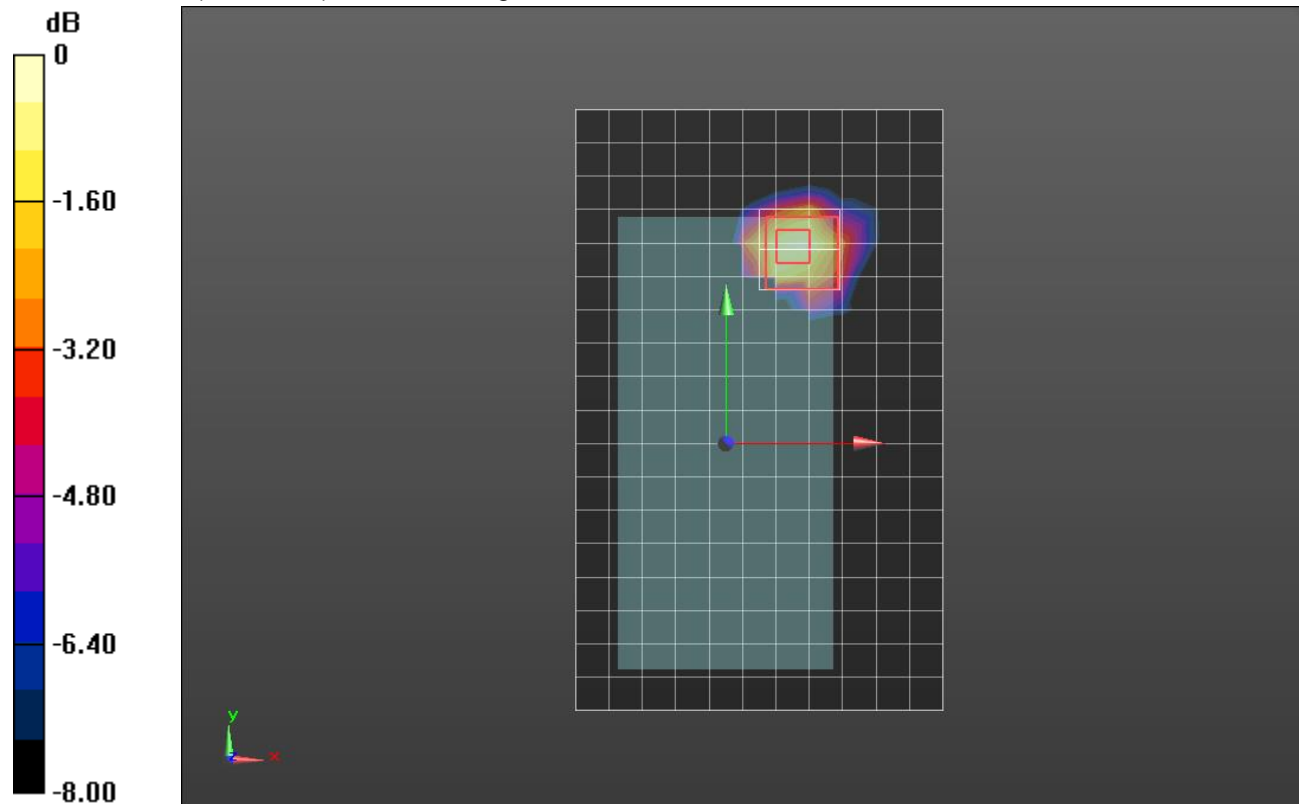
Reference Value = 1.942 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.213 W/kg

**SAR(1 g) = 0.014 W/kg; SAR(10 g) = 0.00402 W/kg**

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

Maximum value of SAR (measured) = 0.0424 W/kg



0 dB = 0.0424 W/kg = -13.73 dBW/kg

## Wi-Fi 5.8GHz

Frequency: 5825 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used (interpolated):  $f = 5825 \text{ MHz}$ ;  $\sigma = 5.295 \text{ S/m}$ ;  $\epsilon_r = 34.049$ ;  $\rho = 1000 \text{ kg/m}^3$

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 Sn1257; Calibrated: 10/11/2017
- Probe: EX3DV4 - SN7483; ConvF(5.19, 5.19, 5.19); Calibrated: 12/12/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CE; Serial: xxxx

**RHS/Touch\_802.11a\_Ch 165\_Chain 0/Area Scan (11x19x1):** Measurement grid: dx=10mm, dy=10mm

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

Maximum value of SAR (measured) = 0.561 W/kg

**RHS/Touch\_802.11a\_Ch 165\_Chain 0/Zoom Scan (9x9x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

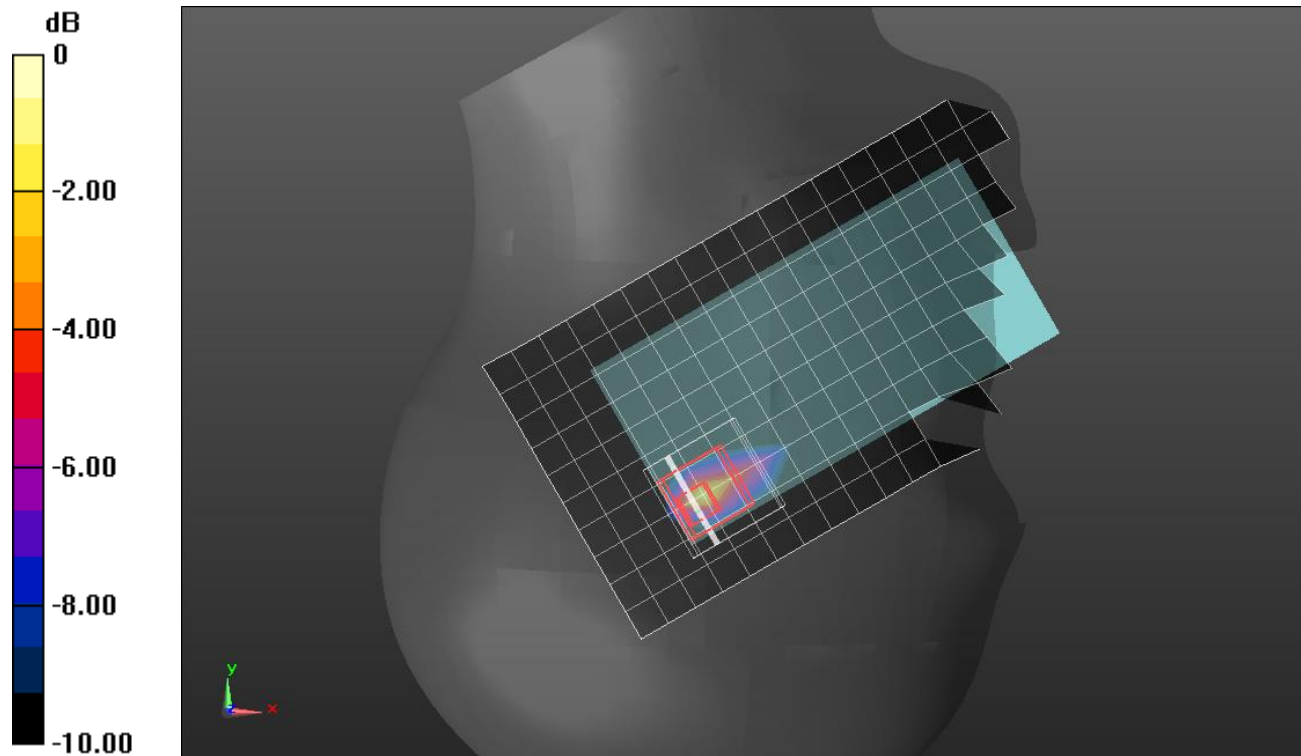
Reference Value = 7.897 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 1.94 W/kg

**SAR(1 g) = 0.275 W/kg; SAR(10 g) = 0.074 W/kg**

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

Maximum value of SAR (measured) = 0.740 W/kg



0 dB = 0.740 W/kg = -1.31 dBW/kg

## Wi-Fi 5.8GHz

Frequency: 5825 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used (interpolated):  $f = 5825 \text{ MHz}$ ;  $\sigma = 6.168 \text{ S/m}$ ;  $\epsilon_r = 48.664$ ;  $\rho = 1000 \text{ kg/m}^3$

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 Sn1472; Calibrated: 3/10/2017
- Probe: EX3DV4 - SN3871; ConvF(4.32, 4.32, 4.32); Calibrated: 8/23/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI V5.0 Slot 1/2; Type: QD OVA 002 Ax; Serial: 1119

**Front/802.11a\_Ch 165\_Chain 0\_15mm/Area Scan (12x19x1):** Measurement grid: dx=10mm, dy=10mm

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

Maximum value of SAR (measured) = 0.0490 W/kg

**Front/802.11a\_Ch 165\_Chain 0\_15mm/Zoom Scan (8x8x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

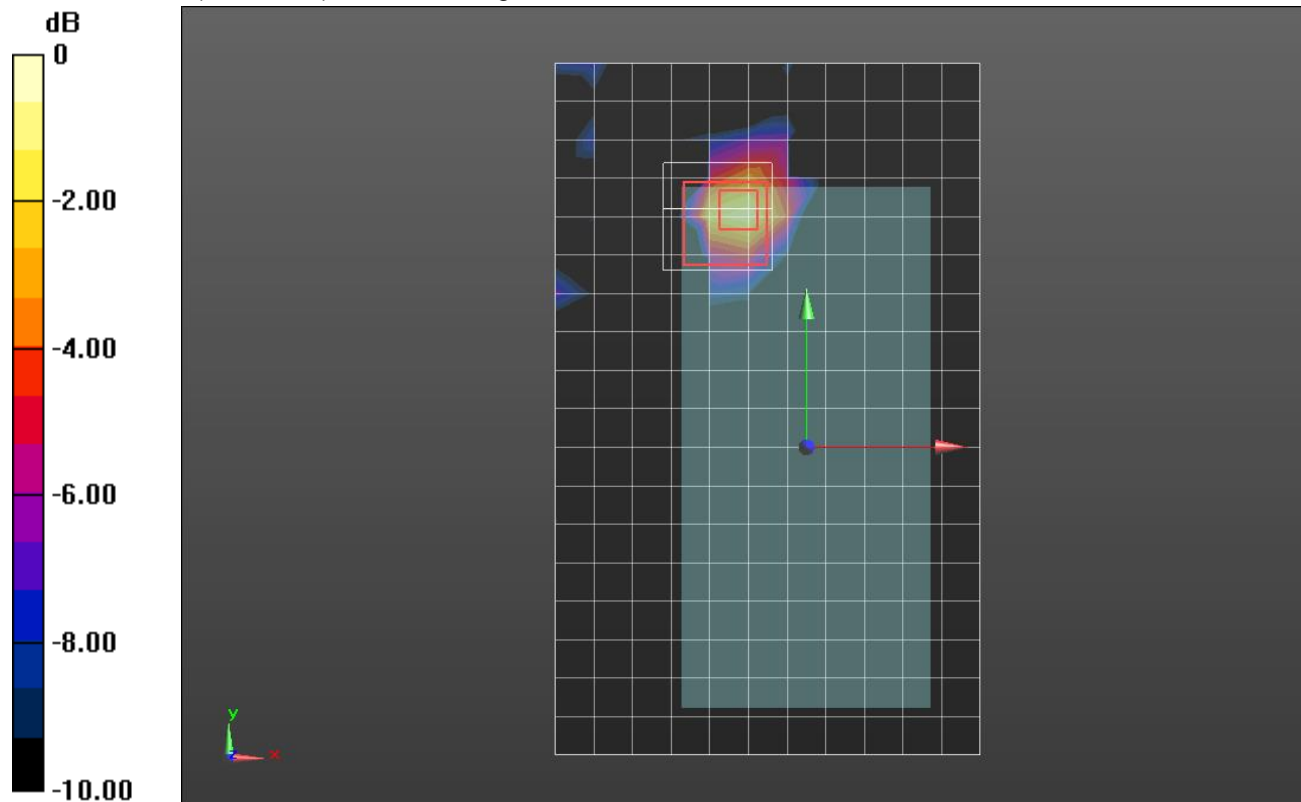
Reference Value = 2.139 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.161 W/kg

**SAR(1 g) = 0.018 W/kg; SAR(10 g) = 0.00568 W/kg**

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

Maximum value of SAR (measured) = 0.0572 W/kg



0 dB = 0.0572 W/kg = -12.43 dBW/kg

## Wi-Fi 5.8GHz

Frequency: 5795 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used (interpolated):  $f = 5795 \text{ MHz}$ ;  $\sigma = 5.238 \text{ S/m}$ ;  $\epsilon_r = 34.221$ ;  $\rho = 1000 \text{ kg/m}^3$

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 Sn1257; Calibrated: 10/11/2017
- Probe: EX3DV4 - SN7483; ConvF(5.19, 5.19, 5.19); Calibrated: 12/12/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CE; Serial: xxxx

**RHS/Touch\_802.11n HT40\_Ch 159\_Chain 1/Area Scan (11x19x1):** Measurement grid: dx=10mm, dy=10mm

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

Maximum value of SAR (measured) = 0.306 W/kg

**RHS/Touch\_802.11n HT40\_Ch 159\_Chain 1/Zoom Scan (7x7x12)/Cube 0:** Measurement grid:

dx=4mm, dy=4mm, dz=2mm

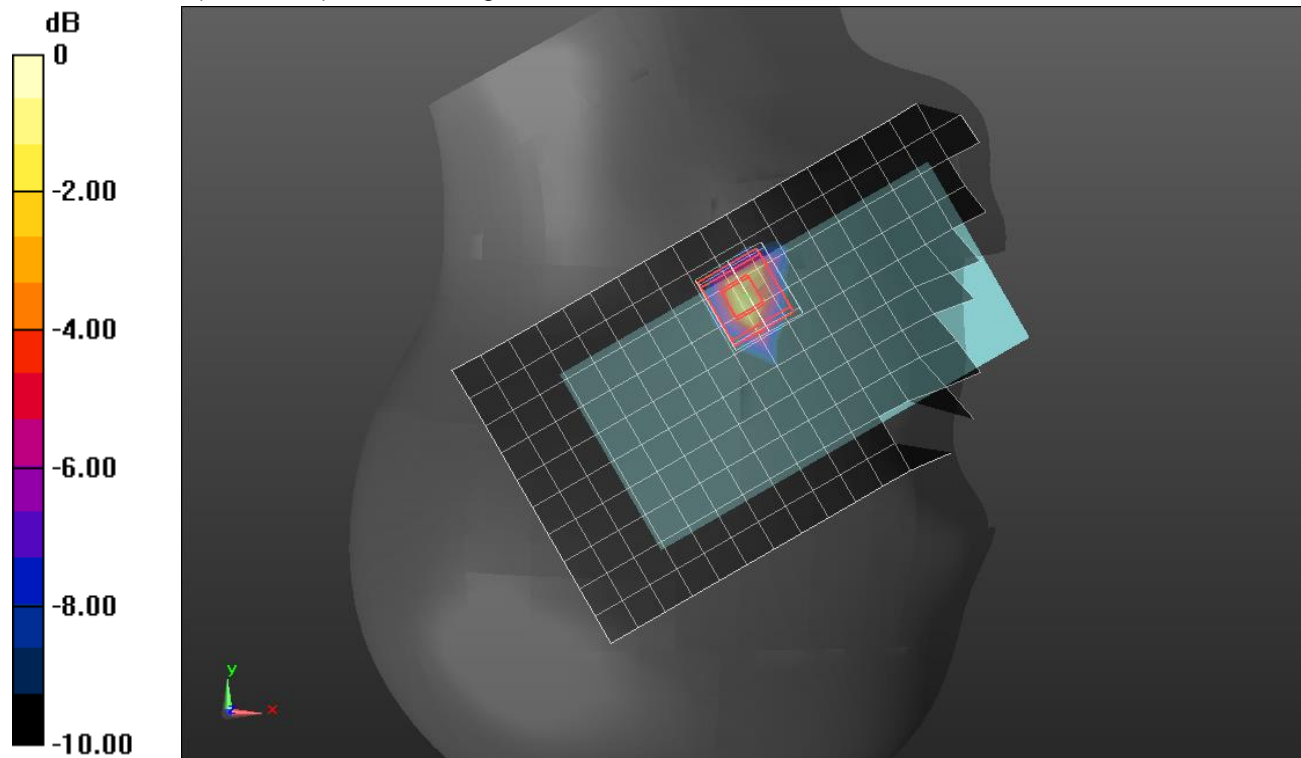
Reference Value = 6.694 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.957 W/kg

**SAR(1 g) = 0.143 W/kg; SAR(10 g) = 0.037 W/kg**

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

Maximum value of SAR (measured) = 0.396 W/kg



0 dB = 0.396 W/kg = -4.02 dBW/kg

## Wi-Fi 5.8GHz

Frequency: 5795 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used (interpolated):  $f = 5795 \text{ MHz}$ ;  $\sigma = 6.097 \text{ S/m}$ ;  $\epsilon_r = 48.681$ ;  $\rho = 1000 \text{ kg/m}^3$

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 Sn1472; Calibrated: 3/10/2017
- Probe: EX3DV4 - SN3871; ConvF(4.32, 4.32, 4.32); Calibrated: 8/23/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI V5.0 Slot 1/2; Type: QD OVA 002 Ax; Serial: 1119

**Front/802.11n HT40\_Ch 159\_Chain 1\_15mm/Area Scan (15x21x1):** Measurement grid: dx=10mm, dy=10mm

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

Maximum value of SAR (measured) = 0.102 W/kg

**Front/802.11n HT40\_Ch 159\_Chain 1\_15mm/Zoom Scan (9x9x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

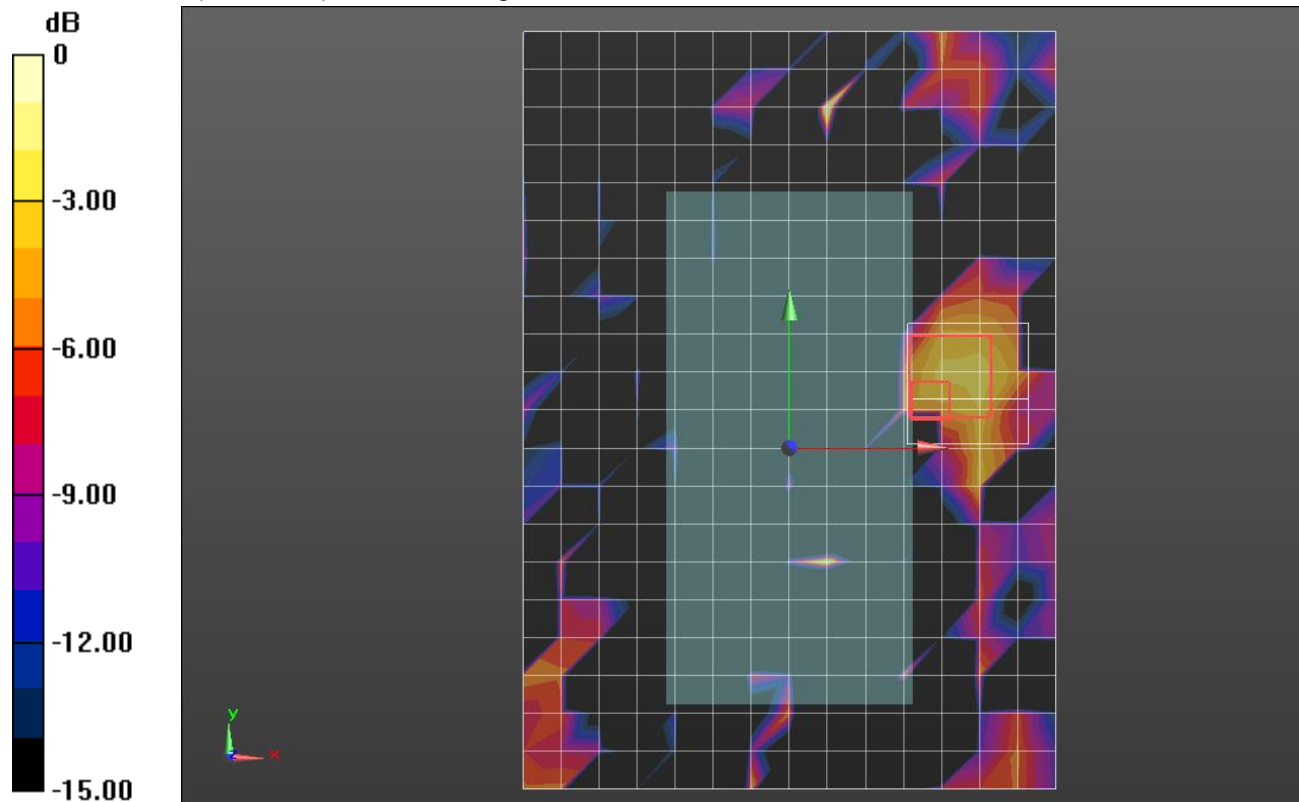
Reference Value = 0.9130 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.0260 W/kg

**SAR(1 g) = 0.000132 W/kg; SAR(10 g) = 2.76e-005 W/kg**

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

Maximum value of SAR (measured) = 0.0309 W/kg



0 dB = 0.0309 W/kg = -15.10 dBW/kg

## Bluetooth

Frequency: 2441 MHz; Duty Cycle: 1:1.29033; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used (interpolated):  $f = 2441$  MHz;  $\sigma = 1.847$  S/m;  $\epsilon_r = 39.82$ ;  $\rho = 1000$  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 Sn1377; Calibrated: 10/11/2017
- Probe: EX3DV4 - SN3773; ConvF(6.78, 6.78, 6.78); Calibrated: 4/21/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CD; Serial: 1602

**RHS/GFSK DH5\_Touch\_ch 39\_Chain 0/Area Scan (9x15x1):** Measurement grid: dx=12mm, dy=12mm

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

Maximum value of SAR (measured) = 0.174 W/kg

**RHS/GFSK DH5\_Touch\_ch 39\_Chain 0/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

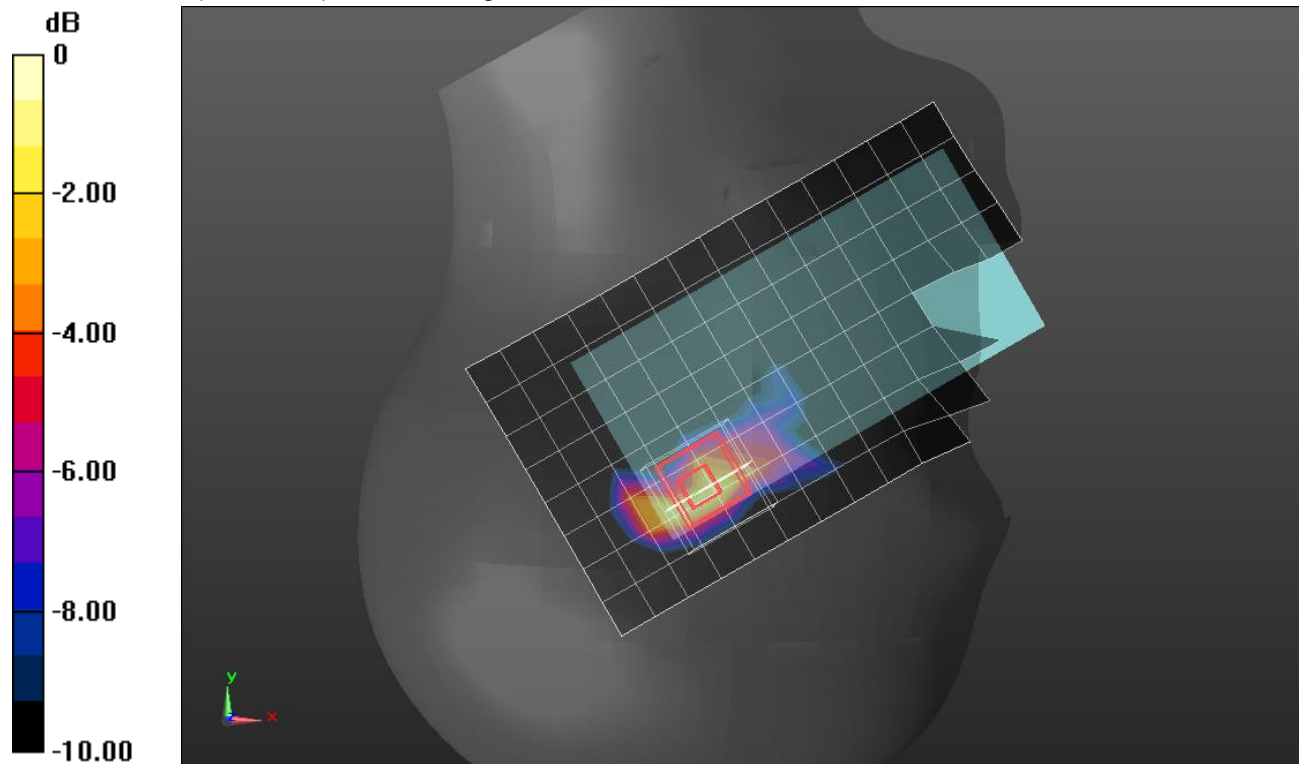
Reference Value = 8.122 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.286 W/kg

**SAR(1 g) = 0.119 W/kg; SAR(10 g) = 0.045 W/kg**

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

Maximum value of SAR (measured) = 0.218 W/kg



0 dB = 0.218 W/kg = -6.62 dBW/kg

## Bluetooth

Frequency: 2441 MHz; Duty Cycle: 1:1.29033; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used (interpolated):  $f = 2441$  MHz;  $\sigma = 1.882$  S/m;  $\epsilon_r = 52.133$ ;  $\rho = 1000$  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 Sn1377; Calibrated: 10/11/2017
- Probe: EX3DV4 - SN3773; ConvF(6.95, 6.95, 6.95); Calibrated: 4/21/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI V5.0 Slot 1/2; Type: QD OVA 002 Ax; Serial: 1119

**Front/GFSK DH5\_ch 39\_Chain 0\_15mm/Area Scan (11x16x1):** Measurement grid: dx=12mm, dy=12mm

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

Maximum value of SAR (measured) = 0.0133 W/kg

**Front/GFSK DH5\_ch 39\_Chain 0\_15mm/Zoom Scan (8x11x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

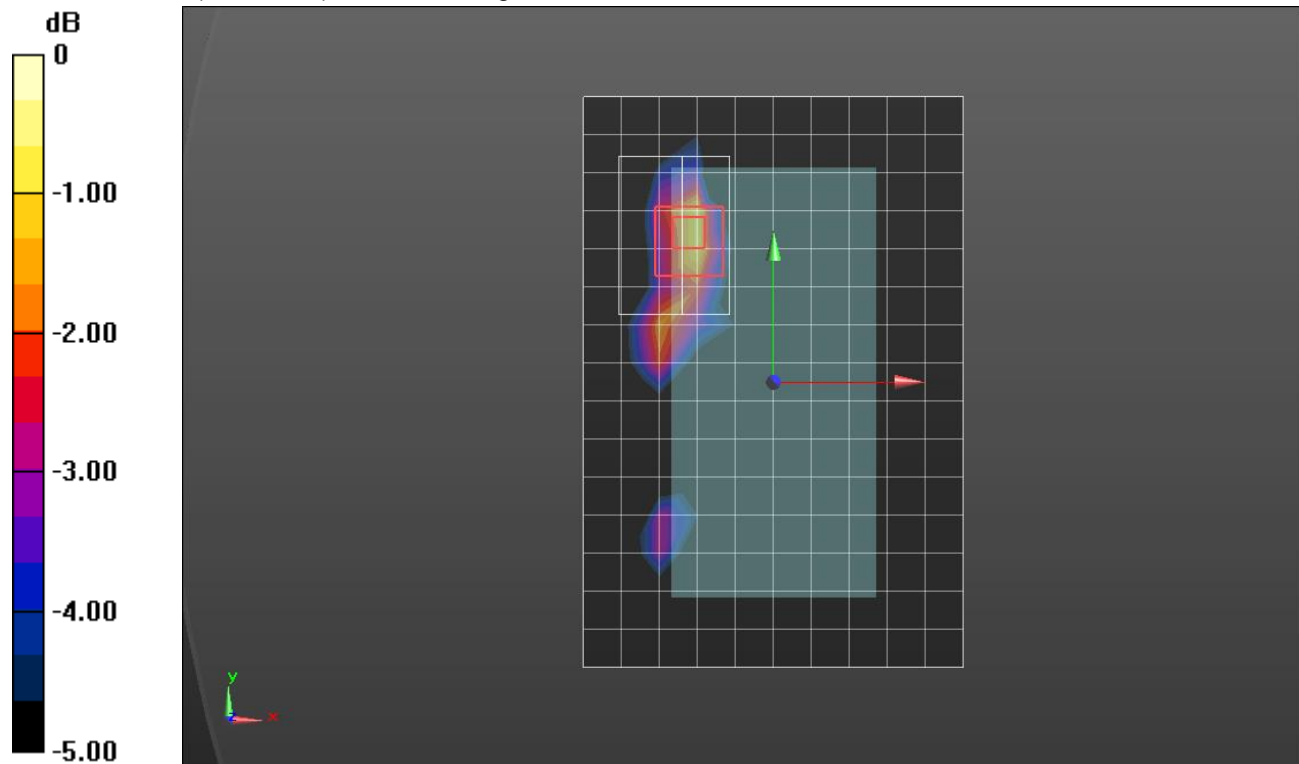
Reference Value = 2.426 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.0200 W/kg

**SAR(1 g) = 0.00875 W/kg; SAR(10 g) = 0.00261 W/kg**

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

Maximum value of SAR (measured) = 0.0160 W/kg



0 dB = 0.0160 W/kg = -17.96 dBW/kg

## Bluetooth

Frequency: 2441 MHz; Duty Cycle: 1:1.29033; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used (interpolated):  $f = 2441$  MHz;  $\sigma = 1.882$  S/m;  $\epsilon_r = 52.133$ ;  $\rho = 1000$  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 Sn1377; Calibrated: 10/11/2017
- Probe: EX3DV4 - SN3773; ConvF(6.95, 6.95, 6.95); Calibrated: 4/21/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI V5.0 Slot 1/2; Type: QD OVA 002 Ax; Serial: 1119

**Edge 4/GFSK DH5\_ch 39\_Chain 0\_10mm/Area Scan (9x16x1):** Measurement grid: dx=12mm, dy=12mm

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

Maximum value of SAR (measured) = 0.0487 W/kg

**Edge 4/GFSK DH5\_ch 39\_Chain 0\_10mm/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

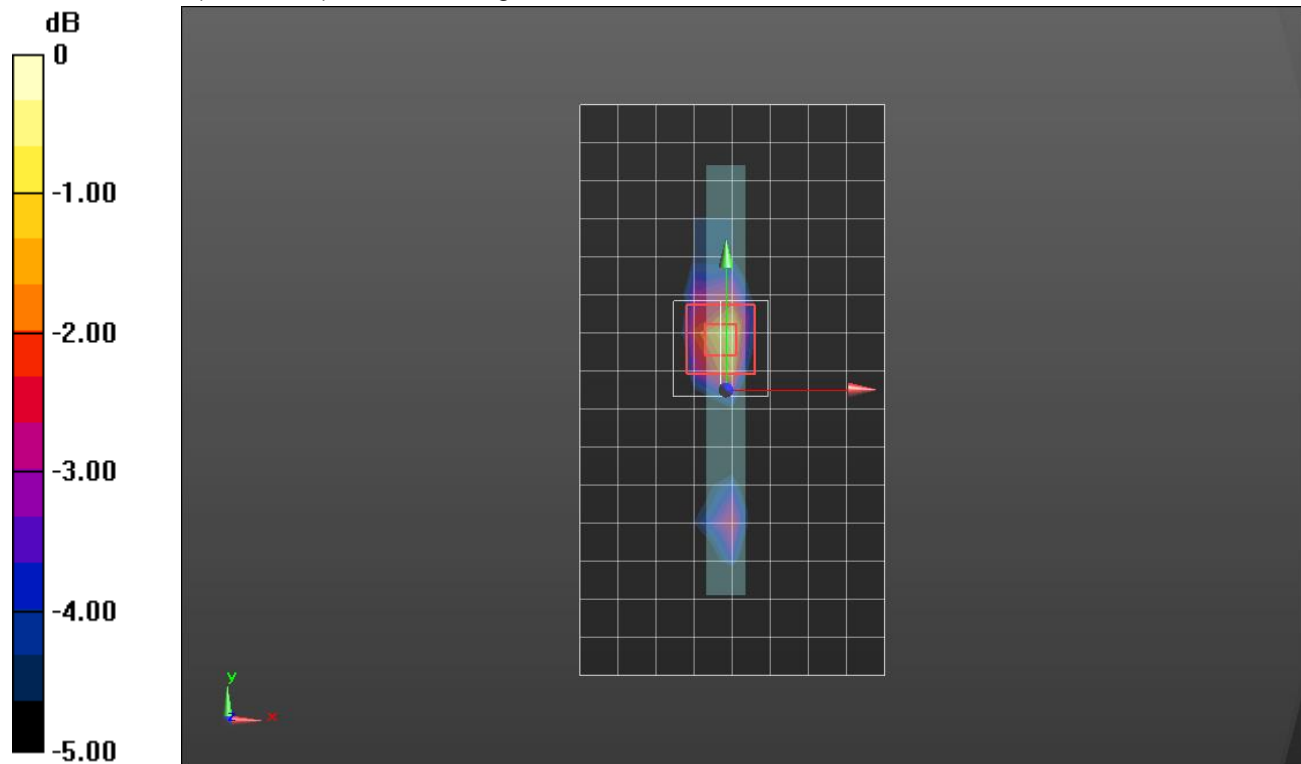
Reference Value = 4.621 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.0720 W/kg

**SAR(1 g) = 0.032 W/kg; SAR(10 g) = 0.014 W/kg**

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

Maximum value of SAR (measured) = 0.0557 W/kg



0 dB = 0.0557 W/kg = -12.54 dBW/kg