

## 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;  $\sigma = 0.924$  S/m;  $\epsilon_r = 42.458$ ;  $\rho = 1000$  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) = 0.325 W/kg

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

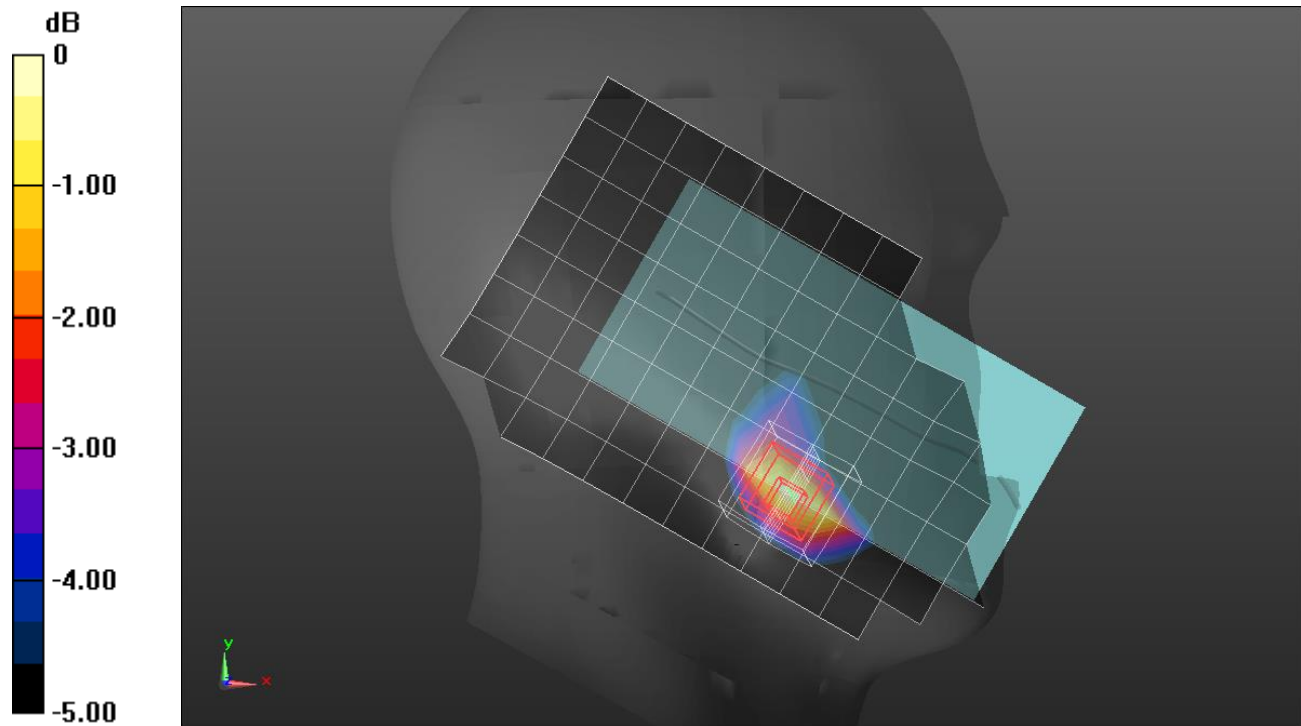
Reference Value = 17.00 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.376 W/kg

**SAR(1 g) = 0.221 W/kg; SAR(10 g) = 0.134 W/kg**

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

Maximum value of SAR (measured) = 0.324 W/kg



0 dB = 0.324 W/kg = -4.89 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;  $\sigma = 1.003$  S/m;  $\epsilon_r = 55.755$ ;  $\rho = 1000$  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 (9x14x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.122 W/kg

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

Reference Value = 10.40 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.146 W/kg

**SAR(1 g) = 0.099 W/kg; SAR(10 g) = 0.069 W/kg**

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

Maximum value of SAR (measured) = 0.129 W/kg

**Front/GPRS 4 slots\_ch 190\_15mm/Zoom Scan 2 (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

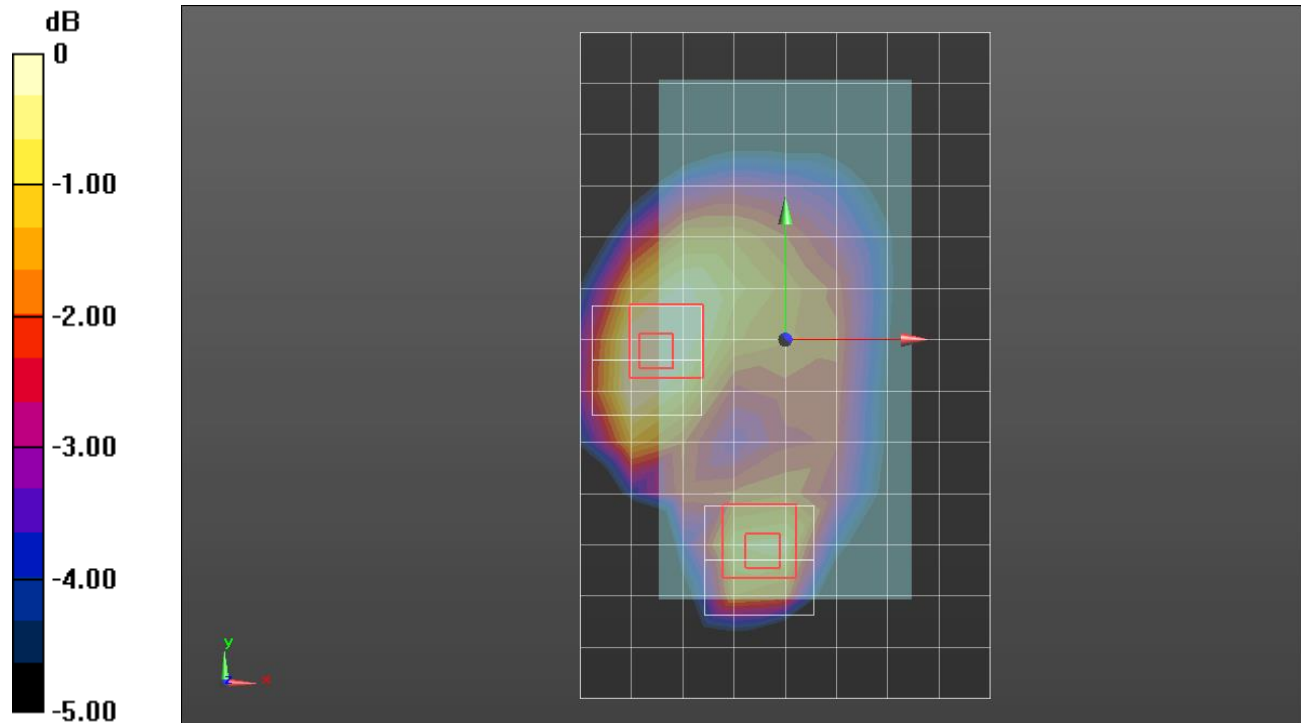
Reference Value = 10.40 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.131 W/kg

**SAR(1 g) = 0.091 W/kg; SAR(10 g) = 0.061 W/kg**

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

Maximum value of SAR (measured) = 0.118 W/kg



0 dB = 0.118 W/kg = -9.28 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;  $\sigma = 1.003$  S/m;  $\epsilon_r = 55.755$ ;  $\rho = 1000$  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/GPRS 4 slots\_ch 190\_10mm/Area Scan (9x14x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.199 W/kg

**Front/GPRS 4 slots\_ch 190\_10mm/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.52 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.258 W/kg

**SAR(1 g) = 0.173 W/kg; SAR(10 g) = 0.111 W/kg**

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

Maximum value of SAR (measured) = 0.230 W/kg

**Front/GPRS 4 slots\_ch 190\_10mm/Zoom Scan 2 (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

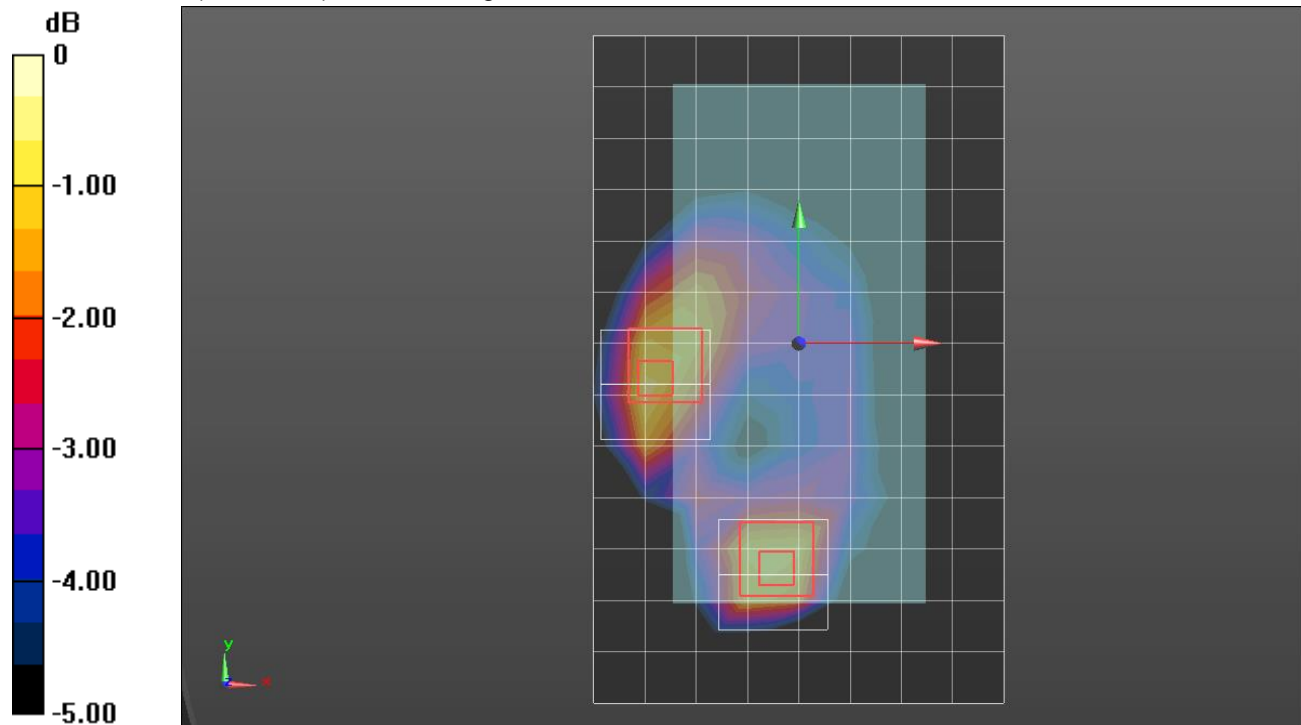
Reference Value = 13.52 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.256 W/kg

**SAR(1 g) = 0.161 W/kg; SAR(10 g) = 0.104 W/kg**

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

Maximum value of SAR (measured) = 0.223 W/kg



0 dB = 0.223 W/kg = -6.52 dBW/kg

## GSM1900

Frequency: 1880 MHz; Duty Cycle: 1:1.99986; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used:  $f = 1880 \text{ MHz}$ ;  $\sigma = 1.371 \text{ S/m}$ ;  $\epsilon_r = 40.044$ ;  $\rho = 1000 \text{ kg/m}^3$

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 4 slots\_ch 661/Area Scan (8x13x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (measured) = 0.104 W/kg

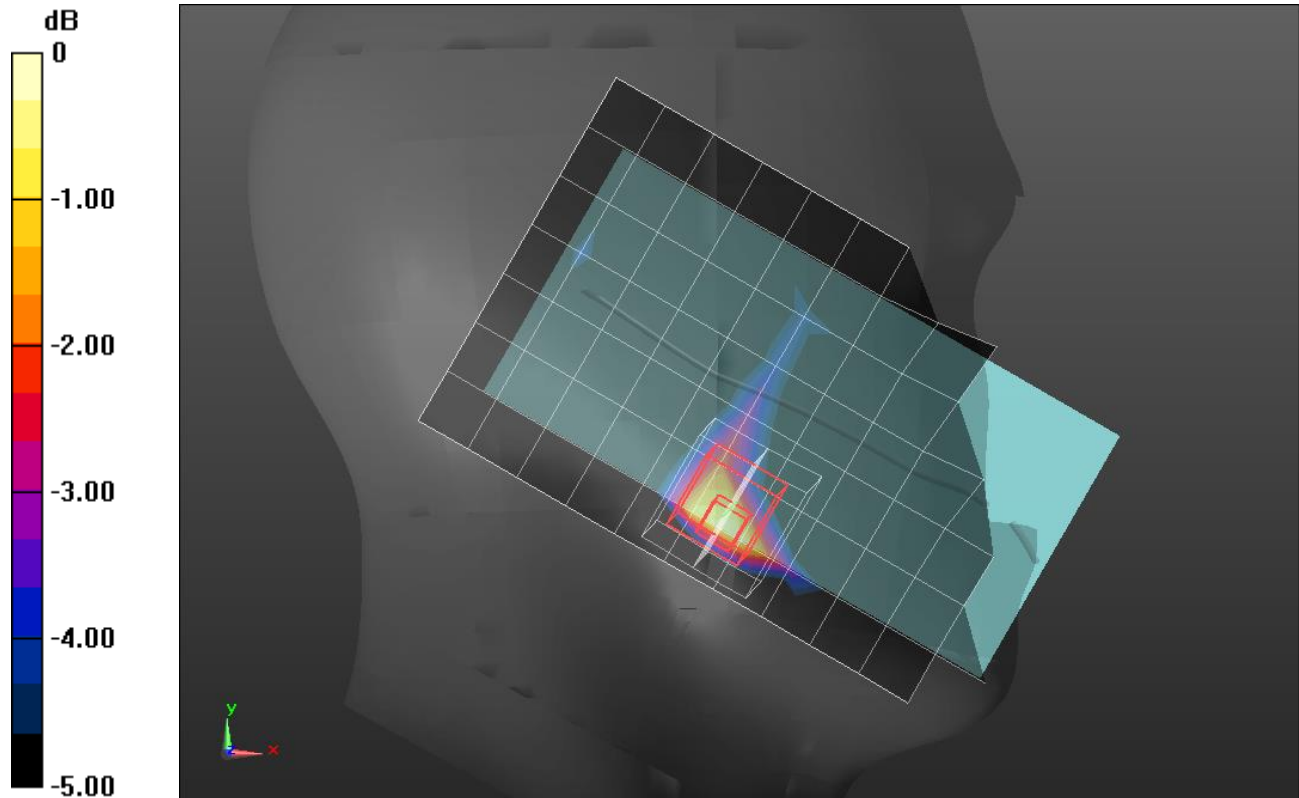
**LHS/Touch\_GPRS 4 slots\_ch 661/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.138 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.133 W/kg

**SAR(1 g) = 0.068 W/kg; SAR(10 g) = 0.036 W/kg**

Maximum value of SAR (measured) = 0.108 W/kg



0 dB = 0.108 W/kg = -9.67 dBW/kg

# GSM1900

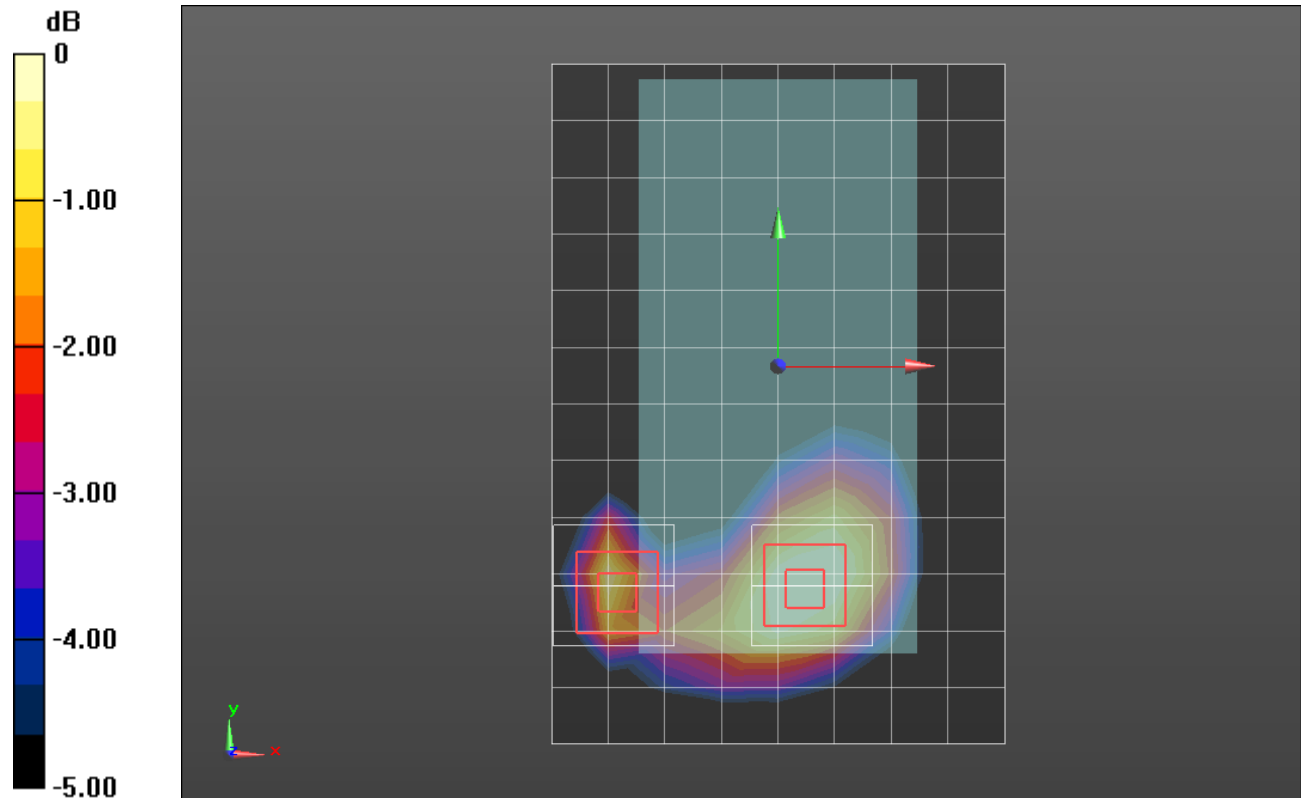
Frequency: 1880 MHz; Duty Cycle: 1:1.99986; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.501$  S/m;  $\epsilon_r = 53.354$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 DASY5 Configuration:

- 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

**Front/GPRS 4 slots\_ch 661\_15mm/Area Scan (9x13x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (measured) = 0.135 W/kg

**Front/GPRS 4 slots\_ch 661\_15mm/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
 Reference Value = 8.369 V/m; Power Drift = 0.03 dB  
 Peak SAR (extrapolated) = 0.164 W/kg  
**SAR(1 g) = 0.102 W/kg; SAR(10 g) = 0.063 W/kg**  
 Maximum value of SAR (measured) = 0.141 W/kg

**Front/GPRS 4 slots\_ch 661\_15mm/Zoom Scan 2 (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
 Reference Value = 8.369 V/m; Power Drift = 0.03 dB  
 Peak SAR (extrapolated) = 0.153 W/kg  
**SAR(1 g) = 0.085 W/kg; SAR(10 g) = 0.047 W/kg**  
 Maximum value of SAR (measured) = 0.128 W/kg



0 dB = 0.128 W/kg = -8.93 dBW/kg

## GSM1900 DTM

Frequency: 1880 MHz; Duty Cycle: 1:4.00037; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used:  $f = 1880 \text{ MHz}$ ;  $\sigma = 1.501 \text{ S/m}$ ;  $\epsilon_r = 53.354$ ;  $\rho = 1000 \text{ kg/m}^3$

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

**Edge 3 DTM/GPRS 2 slots\_ch 661/Area Scan (7x9x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (measured) = 0.253 W/kg

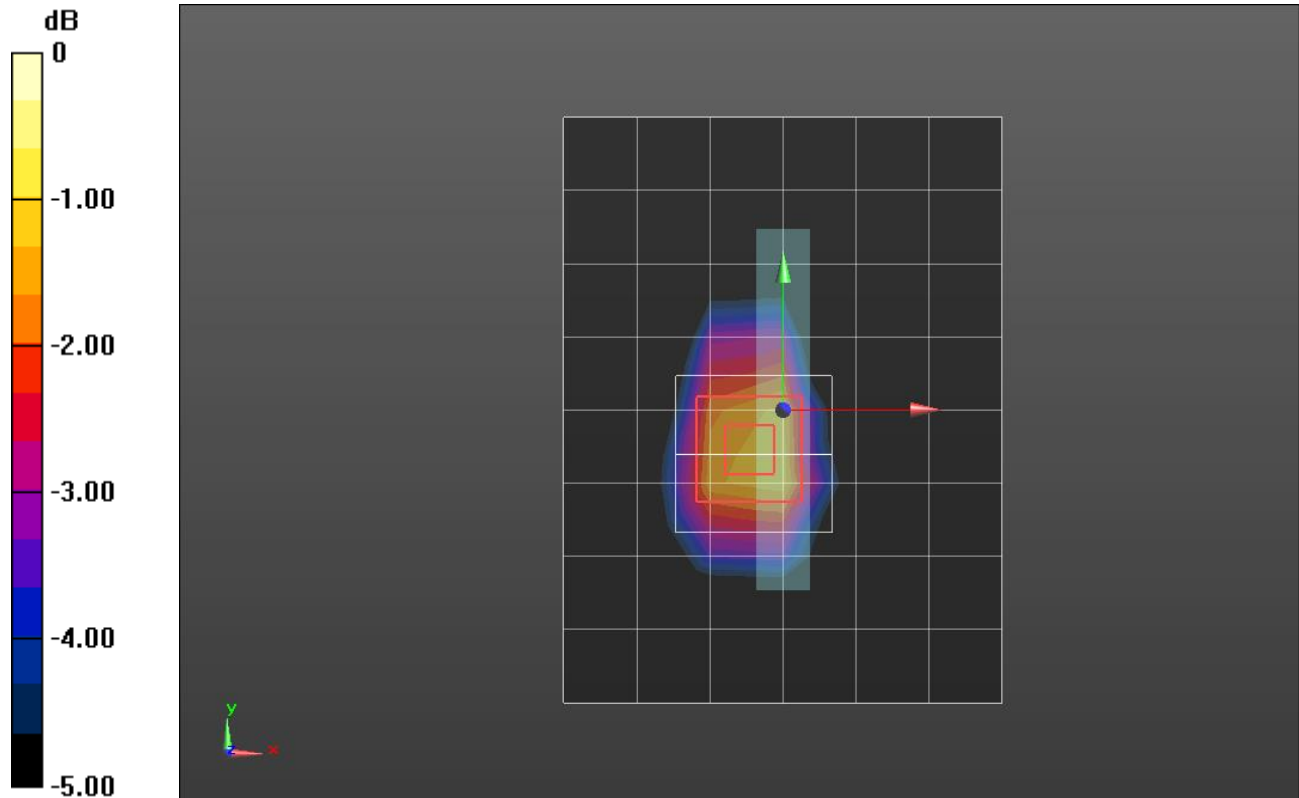
**Edge 3 DTM/GPRS 2 slots\_ch 661/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.42 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.377 W/kg

**SAR(1 g) = 0.223 W/kg; SAR(10 g) = 0.130 W/kg**

Maximum value of SAR (measured) = 0.323 W/kg



0 dB = 0.323 W/kg = -4.91 dBW/kg

## W-CDMA Band II

Frequency: 1880 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used:  $f = 1880 \text{ MHz}$ ;  $\sigma = 1.371 \text{ S/m}$ ;  $\epsilon_r = 40.044$ ;  $\rho = 1000 \text{ kg/m}^3$

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\_RMC Rel. 99\_ch 9400/Area Scan (8x12x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.228 W/kg

**LHS/Touch\_RMC Rel. 99\_ch 9400/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm,

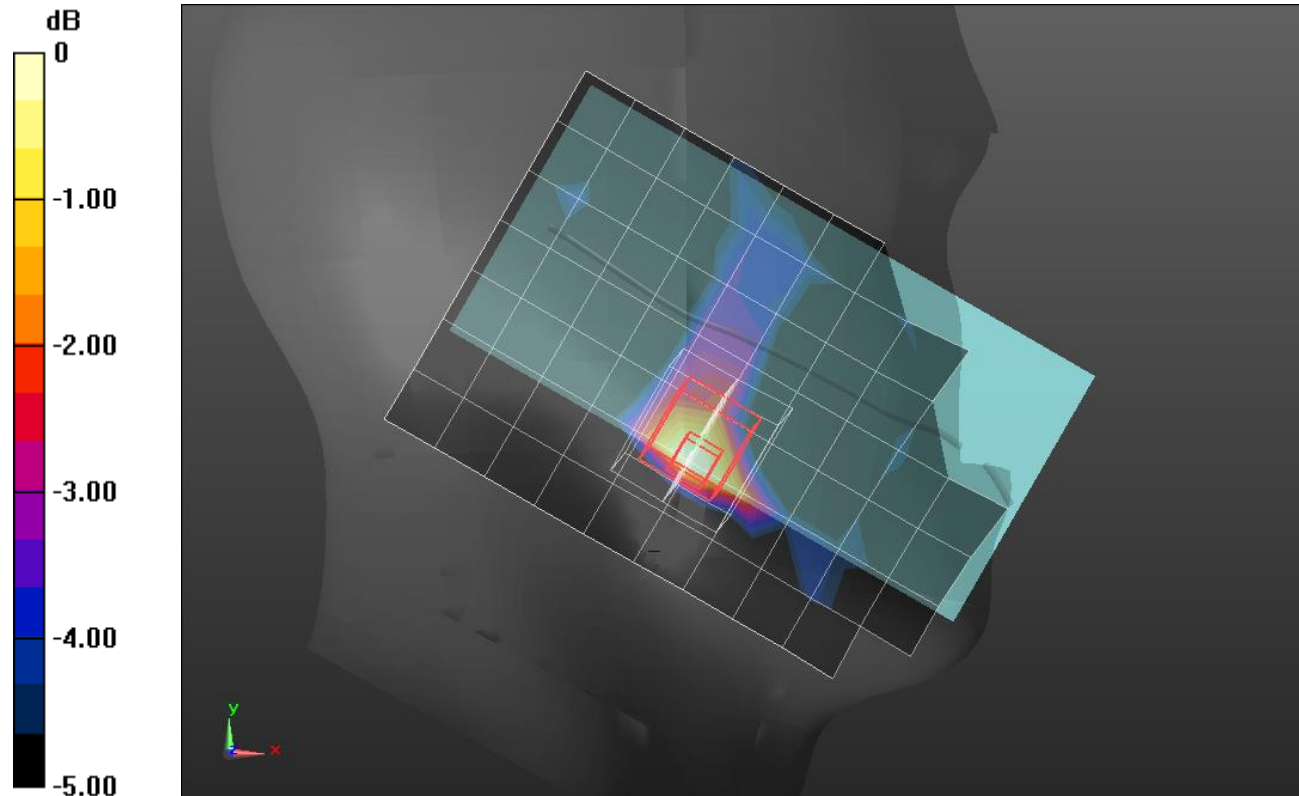
dy=8mm, dz=5mm

Reference Value = 11.64 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.256 W/kg

**SAR(1 g) = 0.131 W/kg; SAR(10 g) = 0.068 W/kg**

Maximum value of SAR (measured) = 0.199 W/kg



0 dB = 0.199 W/kg = -7.01 dBW/kg

## W-CDMA Band II

Frequency: 1880 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used:  $f = 1880 \text{ MHz}$ ;  $\sigma = 1.501 \text{ S/m}$ ;  $\epsilon_r = 53.354$ ;  $\rho = 1000 \text{ kg/m}^3$

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 (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/RMC Rel. 99\_ch 9400\_15mm/Area Scan (8x13x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (measured) = 0.323 W/kg

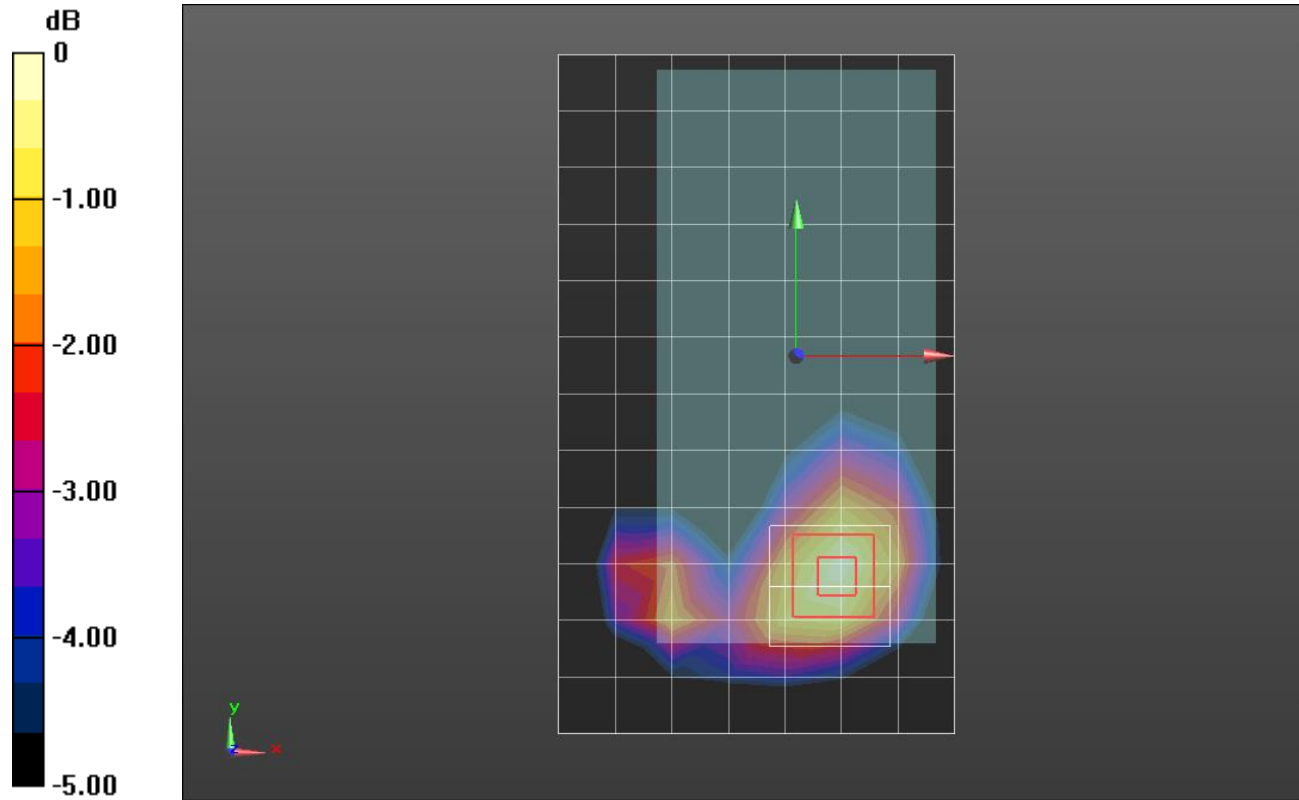
**Front/RMC Rel. 99\_ch 9400\_15mm/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.96 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.384 W/kg

**SAR(1 g) = 0.240 W/kg; SAR(10 g) = 0.150 W/kg**

Maximum value of SAR (measured) = 0.329 W/kg



0 dB = 0.329 W/kg = -4.83 dBW/kg



## W-CDMA Band II

Frequency: 1880 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used:  $f = 1880 \text{ MHz}$ ;  $\sigma = 1.501 \text{ S/m}$ ;  $\epsilon_r = 53.354$ ;  $\rho = 1000 \text{ kg/m}^3$

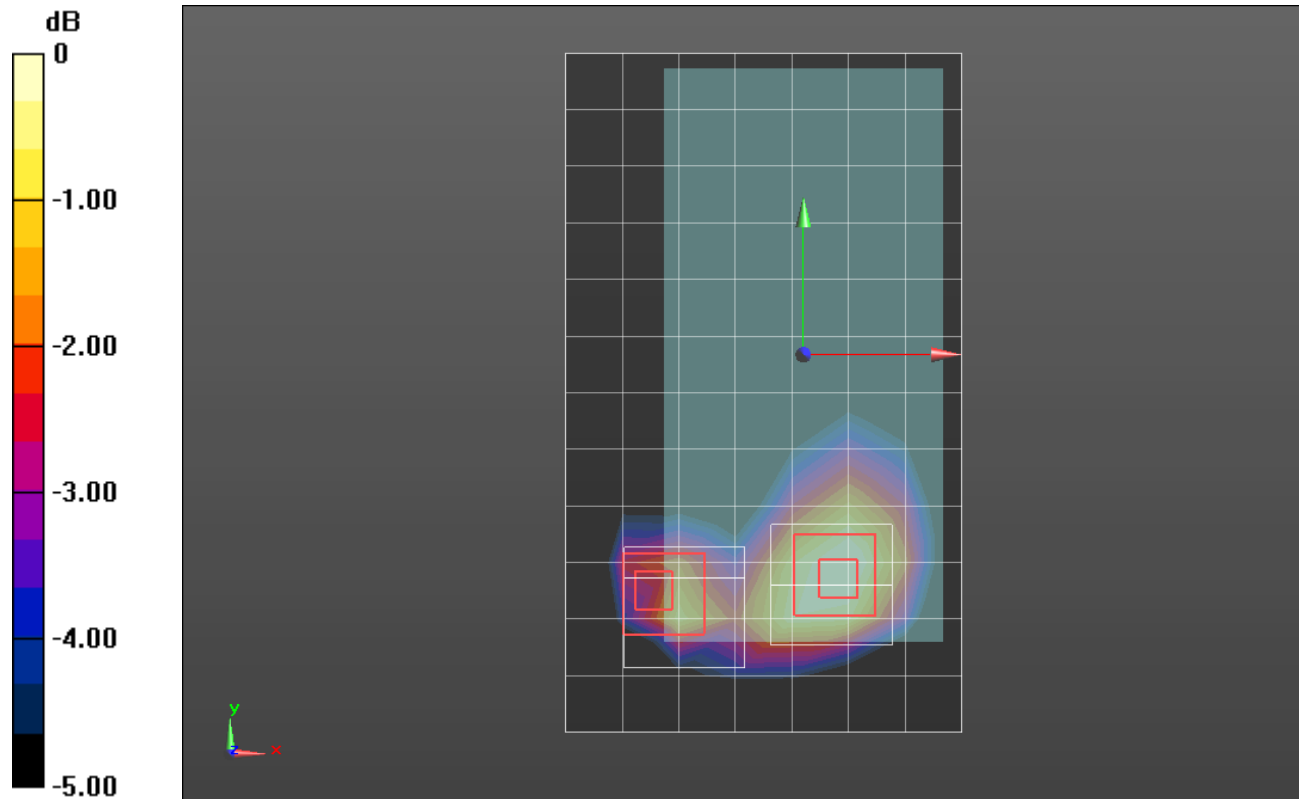
DASY5 Configuration:

- 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 (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/RMC Rel. 99\_ch 9400\_10mm/Area Scan (8x13x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (measured) = 0.635 W/kg

**Front/RMC Rel. 99\_ch 9400\_10mm/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
 Reference Value = 19.53 V/m; Power Drift = 0.04 dB  
 Peak SAR (extrapolated) = 0.773 W/kg  
**SAR(1 g) = 0.479 W/kg; SAR(10 g) = 0.294 W/kg**  
 Maximum value of SAR (measured) = 0.666 W/kg

**Front/RMC Rel. 99\_ch 9400\_10mm/Zoom Scan 2 (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
 Reference Value = 19.53 V/m; Power Drift = 0.04 dB  
 Peak SAR (extrapolated) = 0.718 W/kg  
**SAR(1 g) = 0.374 W/kg; SAR(10 g) = 0.190 W/kg**  
 Maximum value of SAR (measured) = 0.586 W/kg



0 dB = 0.586 W/kg = -2.32 dBW/kg

## W-CDMA Band IV

Frequency: 1732.6 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used (interpolated):  $f = 1732.6$  MHz;  $\sigma = 1.357$  S/m;  $\epsilon_r = 39.79$ ;  $\rho = 1000$  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\_RMC Rel. 99\_ch 1413/Area Scan (8x13x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.329 W/kg

**LHS/Touch\_RMC Rel. 99\_ch 1413/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

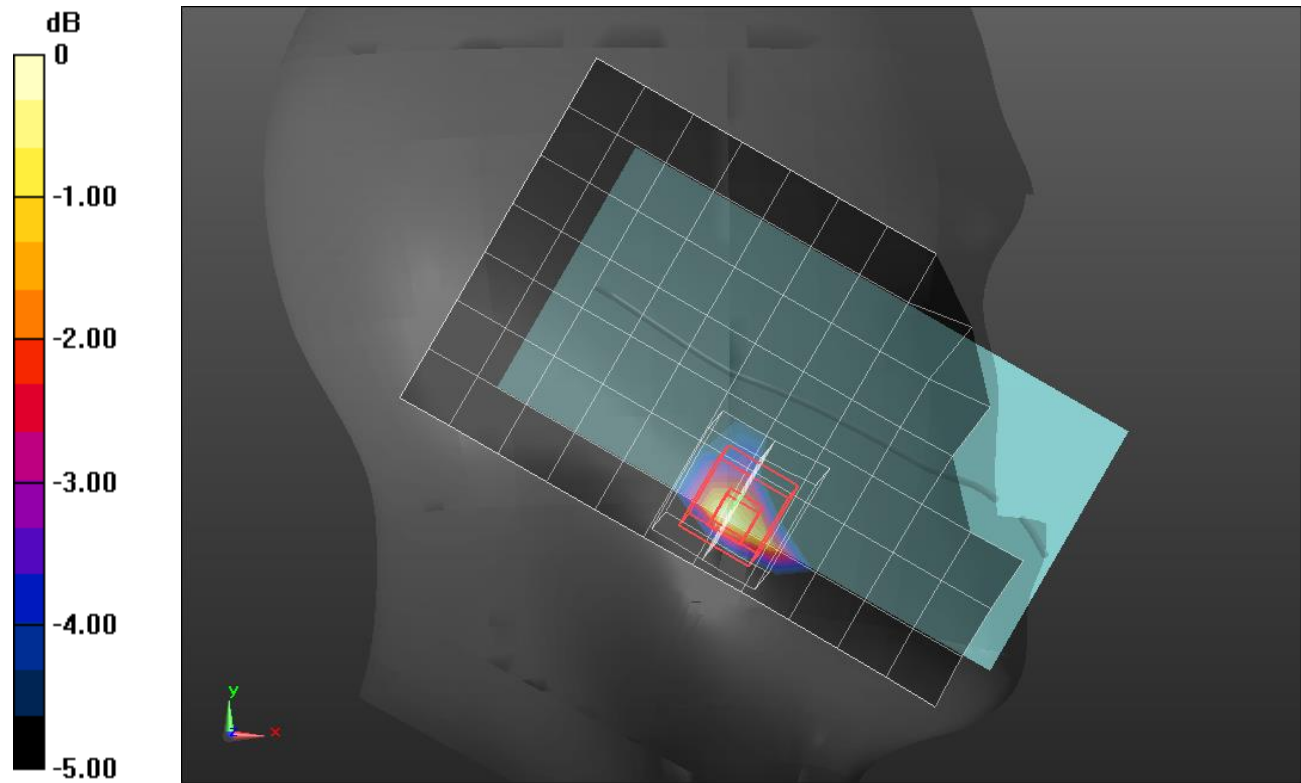
Reference Value = 14.59 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 0.408 W/kg

**SAR(1 g) = 0.217 W/kg; SAR(10 g) = 0.112 W/kg**

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

Maximum value of SAR (measured) = 0.343 W/kg



0 dB = 0.343 W/kg = -4.65 dBW/kg

## W-CDMA Band IV

Frequency: 1732.6 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used (interpolated):  $f = 1732.6$  MHz;  $\sigma = 1.513$  S/m;  $\epsilon_r = 53.991$ ;  $\rho = 1000$  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)
- Phantom: ELI V5.0 Slot 6/7; Type: QD OVA 001 BB; Serial: 1118

**Front/RMC Rel. 99\_ch 1413\_15mm/Area Scan (9x13x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.492 W/kg

**Front/RMC Rel. 99\_ch 1413\_15mm/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.34 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.582 W/kg

**SAR(1 g) = 0.384 W/kg; SAR(10 g) = 0.249 W/kg**

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

Maximum value of SAR (measured) = 0.512 W/kg

**Front/RMC Rel. 99\_ch 1413\_15mm/Zoom Scan 2 (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

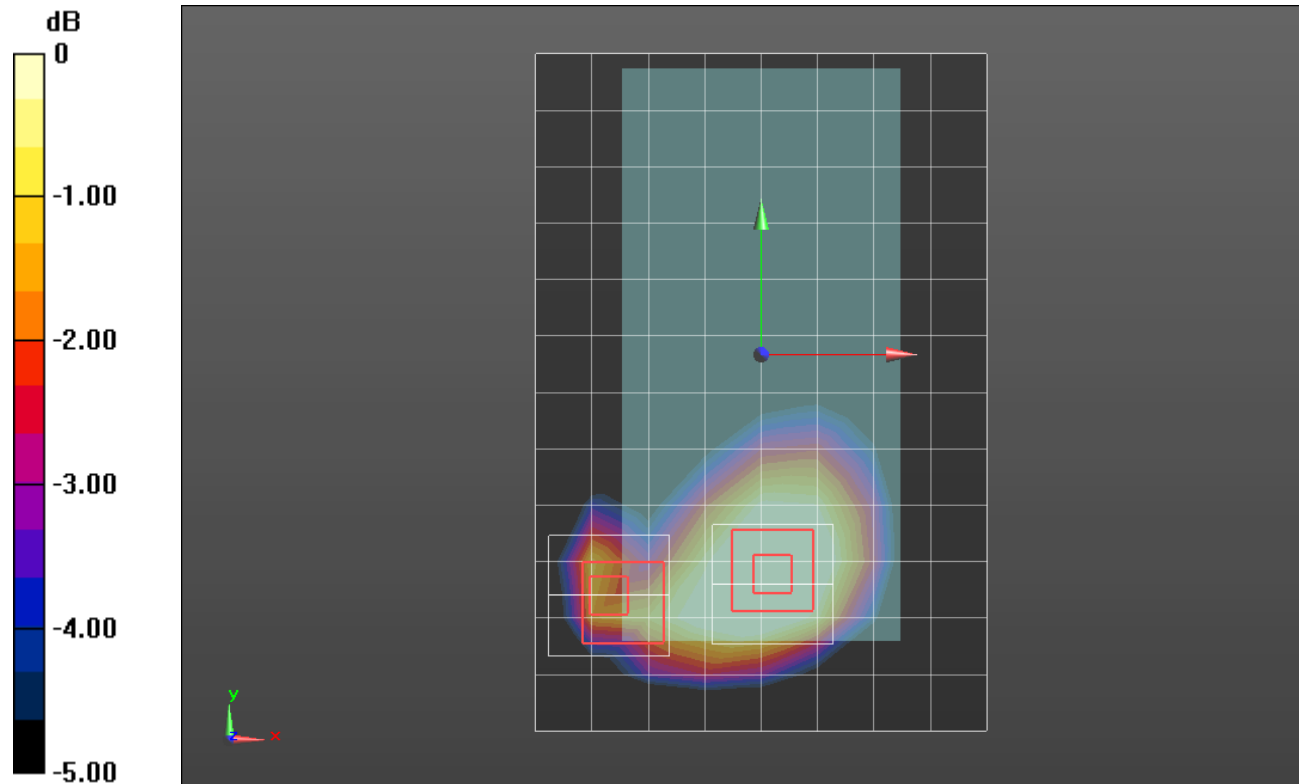
Reference Value = 17.34 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.424 W/kg

**SAR(1 g) = 0.244 W/kg; SAR(10 g) = 0.139 W/kg**

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

Maximum value of SAR (measured) = 0.363 W/kg



0 dB = 0.363 W/kg = -4.40 dBW/kg

## W-CDMA Band IV

Frequency: 1732.6 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used (interpolated):  $f = 1732.6$  MHz;  $\sigma = 1.513$  S/m;  $\epsilon_r = 53.991$ ;  $\rho = 1000$  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/RMC Rel. 99\_ch 1413\_10mm/Area Scan (9x13x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.676 W/kg

**Front/RMC Rel. 99\_ch 1413\_10mm/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.35 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 0.819 W/kg

**SAR(1 g) = 0.541 W/kg; SAR(10 g) = 0.351 W/kg**

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

Maximum value of SAR (measured) = 0.714 W/kg

**Front/RMC Rel. 99\_ch 1413\_10mm/Zoom Scan 2 (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

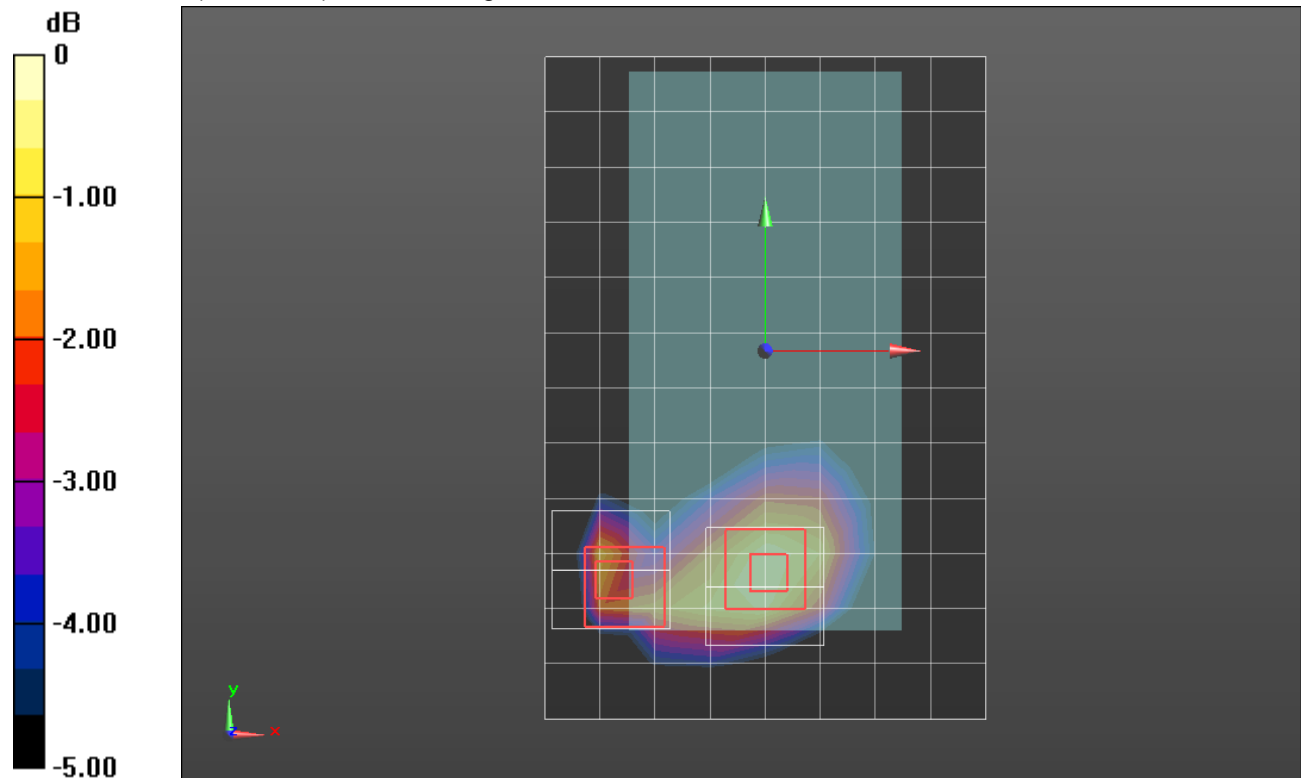
Reference Value = 20.35 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 0.885 W/kg

**SAR(1 g) = 0.484 W/kg; SAR(10 g) = 0.258 W/kg**

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

Maximum value of SAR (measured) = 0.733 W/kg



0 dB = 0.733 W/kg = -1.35 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;  $\sigma = 0.924$  S/m;  $\epsilon_r = 42.458$ ;  $\rho = 1000$  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 (9x14x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.394 W/kg

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

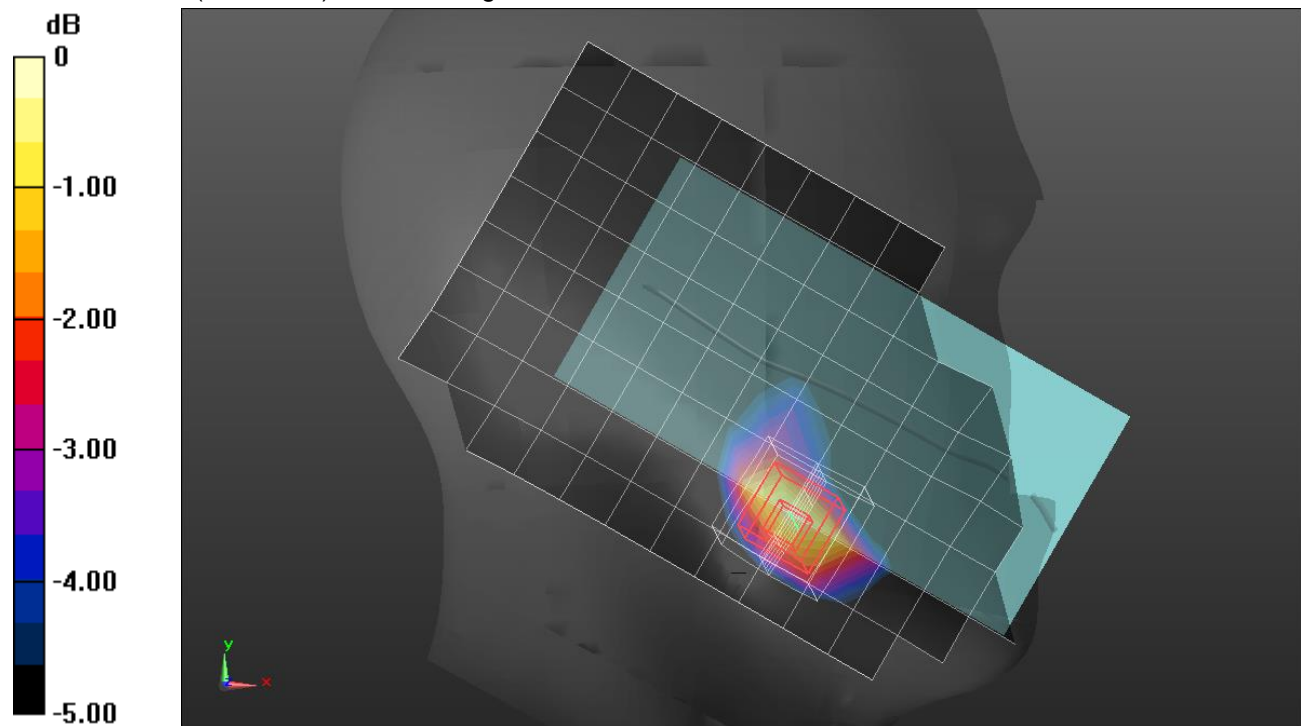
Reference Value = 18.06 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.464 W/kg

**SAR(1 g) = 0.272 W/kg; SAR(10 g) = 0.164 W/kg**

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

Maximum value of SAR (measured) = 0.398 W/kg



0 dB = 0.398 W/kg = -4.00 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;  $\sigma = 1.003$  S/m;  $\epsilon_r = 55.755$ ;  $\rho = 1000$  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 (9x14x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.180 W/kg

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

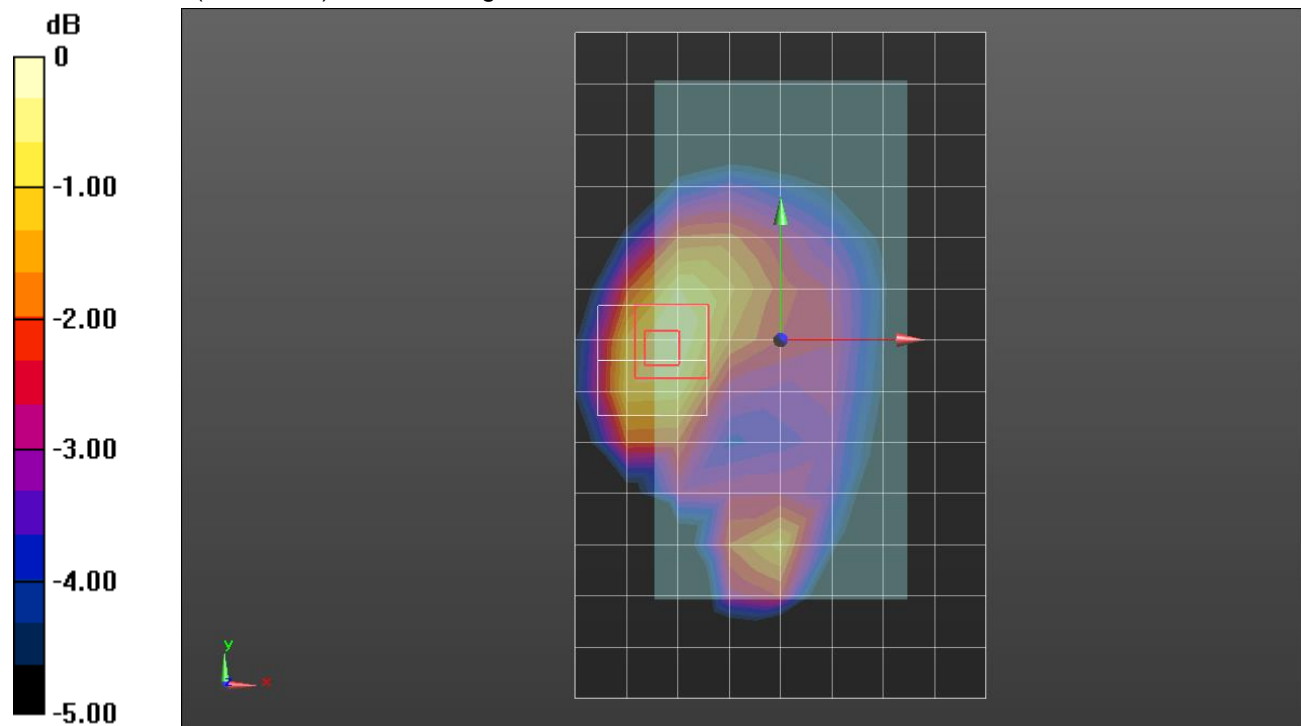
Reference Value = 13.02 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.215 W/kg

**SAR(1 g) = 0.148 W/kg; SAR(10 g) = 0.103 W/kg**

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

Maximum value of SAR (measured) = 0.192 W/kg



0 dB = 0.192 W/kg = -7.17 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;  $\sigma = 1.003$  S/m;  $\epsilon_r = 55.755$ ;  $\rho = 1000$  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

**Edge 4/RMC Rel. 99\_ch 4183/Area Scan (7x13x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.388 W/kg

**Edge 4/RMC Rel. 99\_ch 4183/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

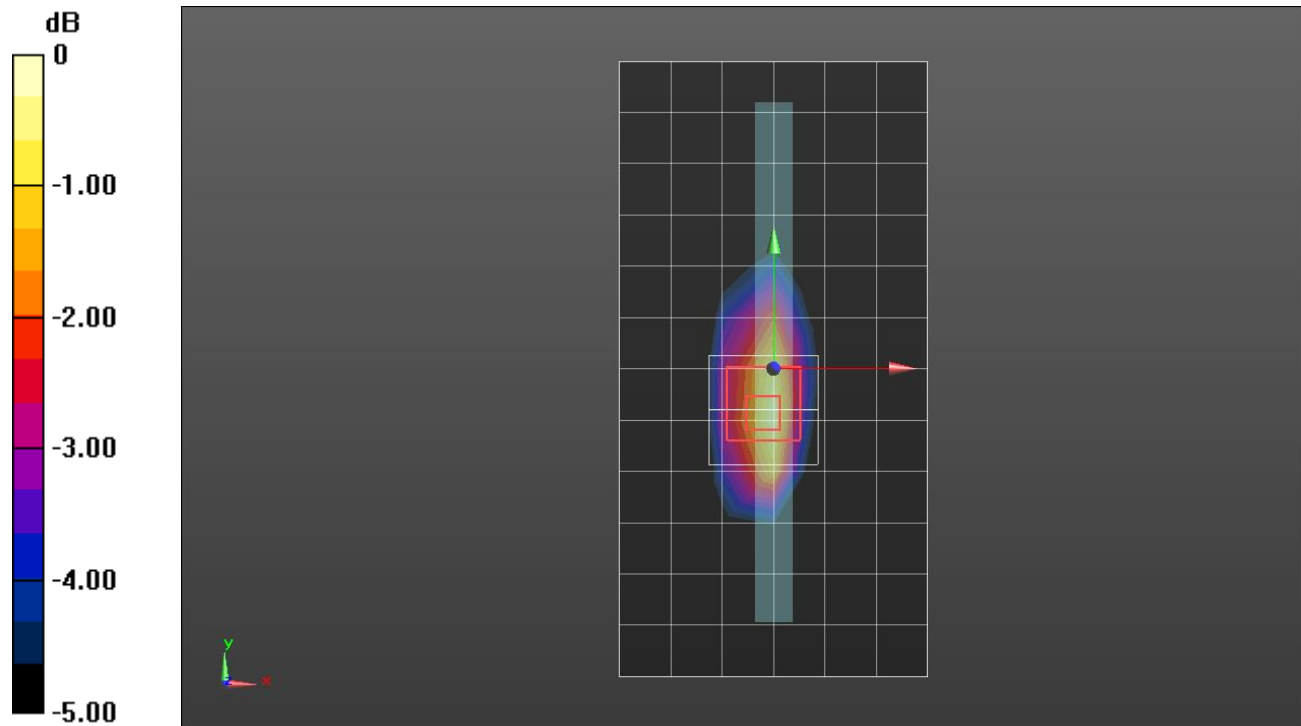
Reference Value = 18.68 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.490 W/kg

**SAR(1 g) = 0.290 W/kg; SAR(10 g) = 0.175 W/kg**

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

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



0 dB = 0.417 W/kg = -3.80 dBW/kg

## LTE Band 2

Frequency: 1880 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used:  $f = 1880 \text{ MHz}$ ;  $\sigma = 1.371 \text{ S/m}$ ;  $\epsilon_r = 40.044$ ;  $\rho = 1000 \text{ kg/m}^3$

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\_QPSK RB 1,0 Ch 18900/Area Scan (8x13x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.250 W/kg

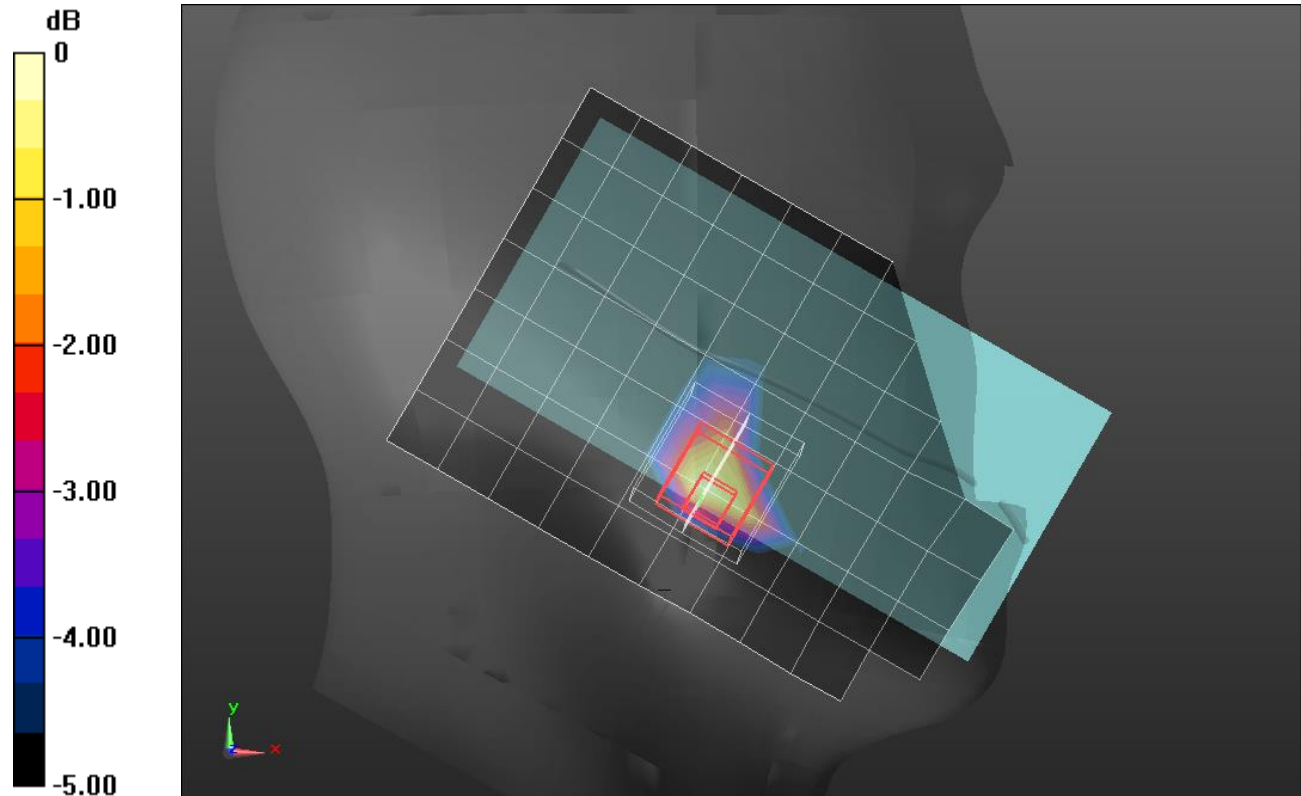
**LHS/Touch\_QPSK RB 1,0 Ch 18900/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.42 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.333 W/kg

**SAR(1 g) = 0.171 W/kg; SAR(10 g) = 0.093 W/kg**

Maximum value of SAR (measured) = 0.267 W/kg



0 dB = 0.267 W/kg = -5.73 dBW/kg



## LTE Band 2

Frequency: 1880 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used:  $f = 1880 \text{ MHz}$ ;  $\sigma = 1.501 \text{ S/m}$ ;  $\epsilon_r = 53.354$ ;  $\rho = 1000 \text{ kg/m}^3$

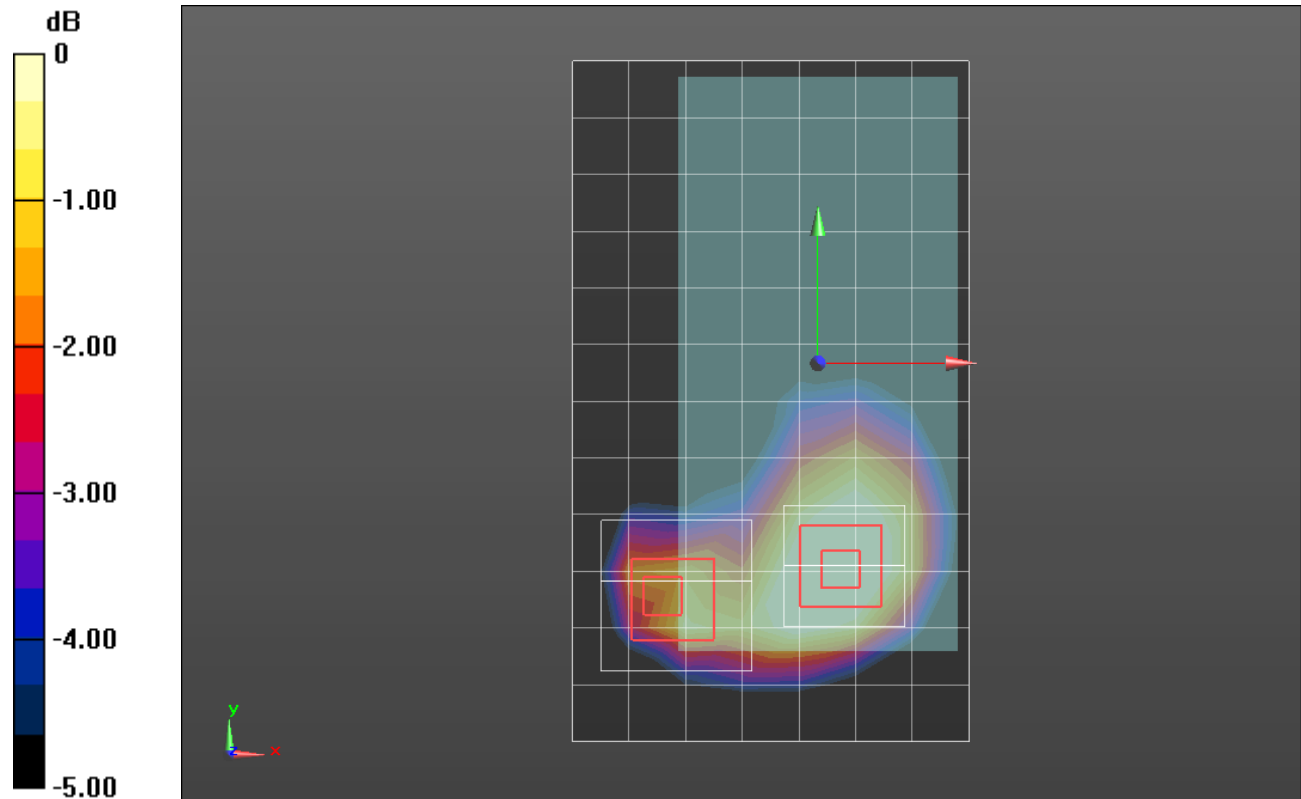
DASY5 Configuration:

- 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/Front\_QPSK RB 1,0\_Ch 18900\_15mm/Area Scan (8x13x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (measured) = 0.369 W/kg

**Front/Front\_QPSK RB 1,0\_Ch 18900\_15mm/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
 Reference Value = 14.78 V/m; Power Drift = 0.02 dB  
 Peak SAR (extrapolated) = 0.426 W/kg  
**SAR(1 g) = 0.268 W/kg; SAR(10 g) = 0.169 W/kg**  
 Maximum value of SAR (measured) = 0.368 W/kg

**Front/Front\_QPSK RB 1,0\_Ch 18900\_15mm/Zoom Scan 2 (6x6x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
 Reference Value = 14.78 V/m; Power Drift = 0.02 dB  
 Peak SAR (extrapolated) = 0.351 W/kg  
**SAR(1 g) = 0.195 W/kg; SAR(10 g) = 0.108 W/kg**  
 Maximum value of SAR (measured) = 0.288 W/kg



0 dB = 0.288 W/kg = -5.41 dBW/kg

## LTE Band 2

Frequency: 1880 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used:  $f = 1880 \text{ MHz}$ ;  $\sigma = 1.501 \text{ S/m}$ ;  $\epsilon_r = 53.354$ ;  $\rho = 1000 \text{ kg/m}^3$

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

**Edge 3/Edge 3\_QPSK RB 1,0\_Ch 18900/Area Scan (7x9x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (measured) = 0.674 W/kg

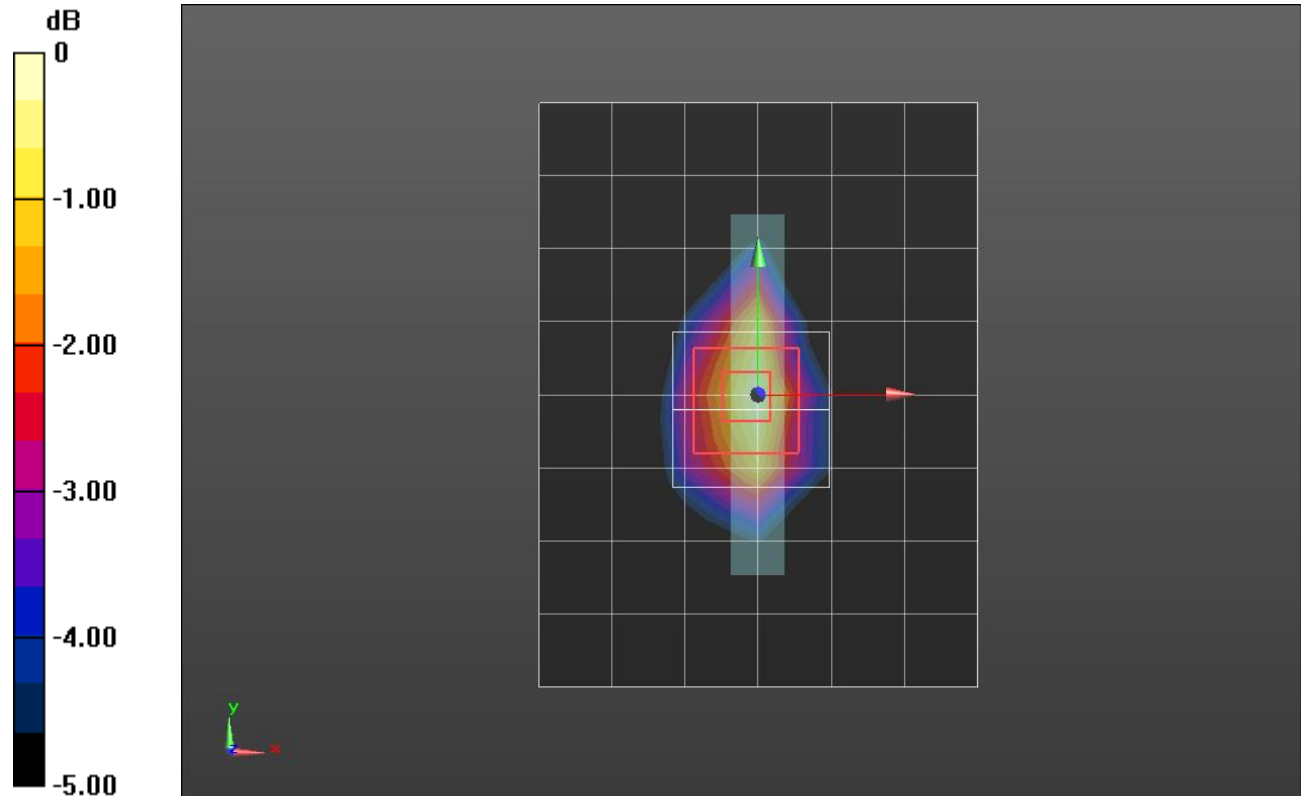
**Edge 3/Edge 3\_QPSK RB 1,0\_Ch 18900/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.92 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.802 W/kg

**SAR(1 g) = 0.477 W/kg; SAR(10 g) = 0.276 W/kg**

Maximum value of SAR (measured) = 0.684 W/kg



0 dB = 0.684 W/kg = -1.65 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;  $\sigma = 0.924$  S/m;  $\epsilon_r = 42.459$ ;  $\rho = 1000$  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\_QPSK RB 1,25 Ch 20525/Area Scan (9x13x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.343 W/kg

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

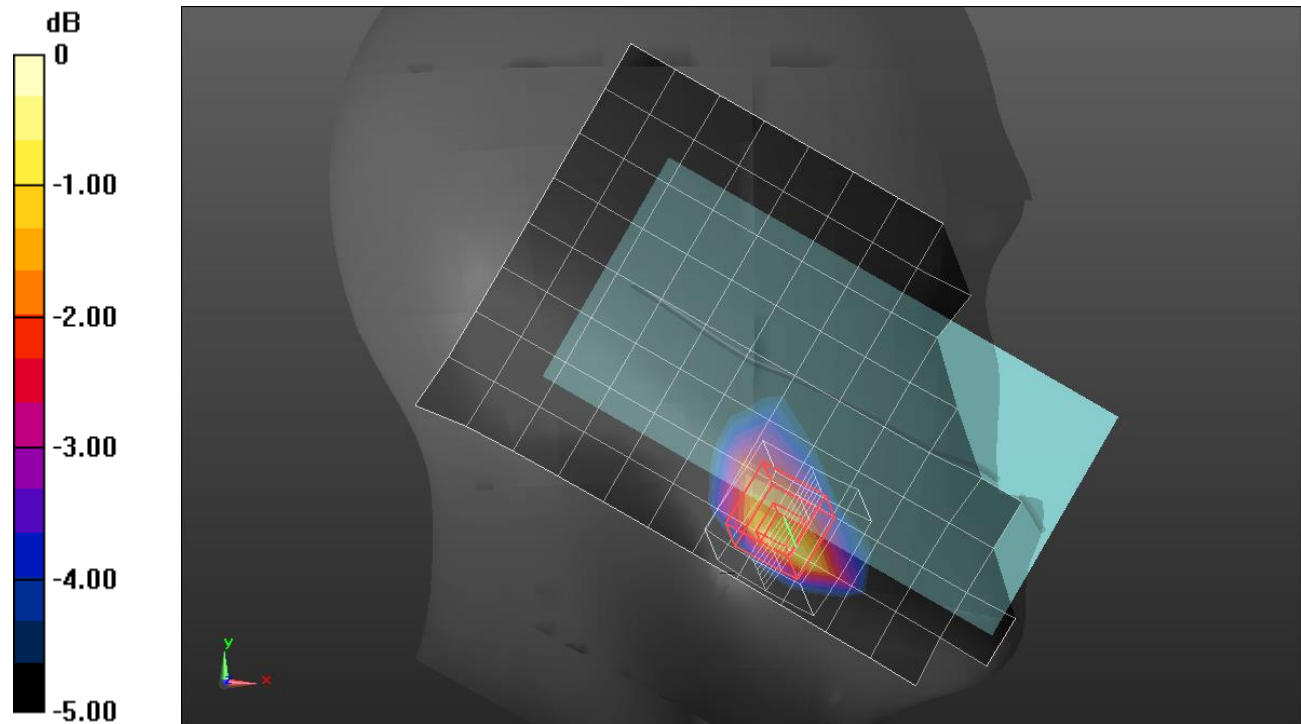
Reference Value = 18.70 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.483 W/kg

**SAR(1 g) = 0.289 W/kg; SAR(10 g) = 0.175 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;  $\sigma = 1.003$  S/m;  $\epsilon_r = 55.756$ ;  $\rho = 1000$  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 (9x14x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.149 W/kg

**Front/QPSK RB 1,25 Ch 20525 15mm/Zoom Scan 2 (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.77 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.170 W/kg

**SAR(1 g) = 0.119 W/kg; SAR(10 g) = 0.086 W/kg**

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

Maximum value of SAR (measured) = 0.150 W/kg

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

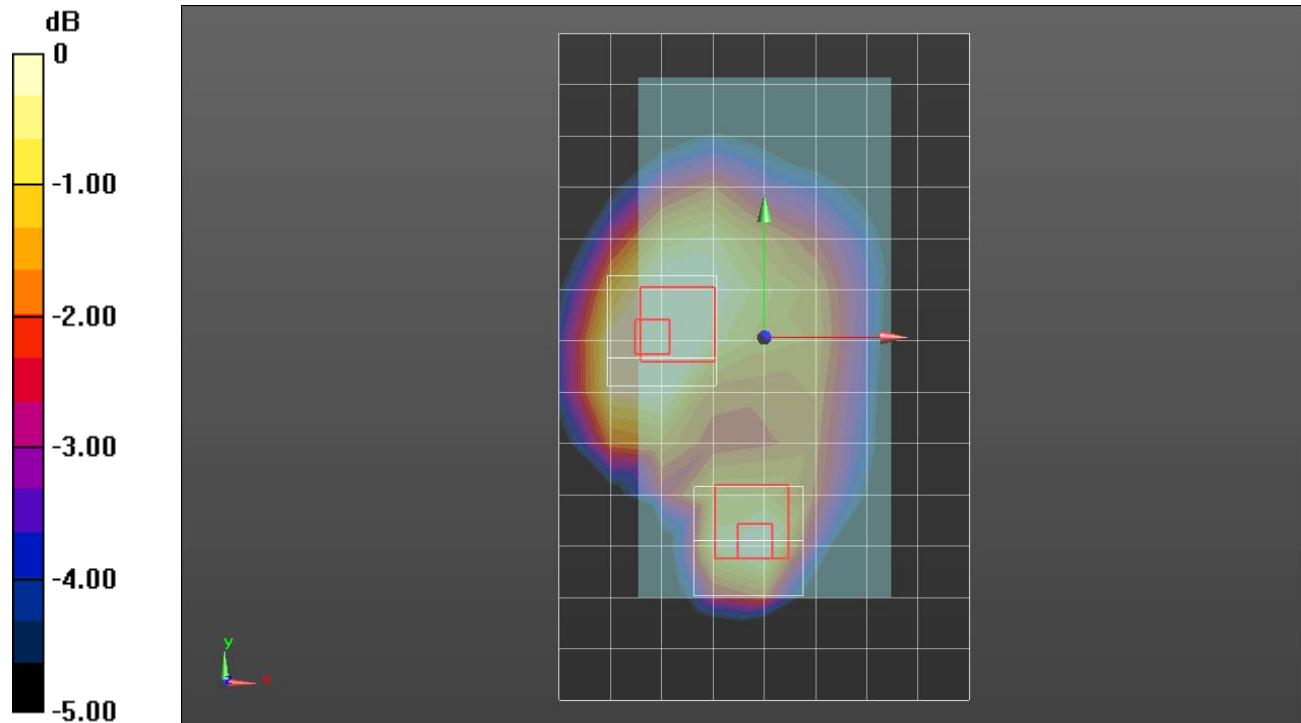
Reference Value = 11.77 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.148 W/kg

**SAR(1 g) = 0.105 W/kg; SAR(10 g) = 0.073 W/kg**

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

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



0 dB = 0.132 W/kg = -8.79 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;  $\sigma = 1.003$  S/m;  $\epsilon_r = 55.756$ ;  $\rho = 1000$  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

**Edge 4/QPSK RB 1,25 Ch 20525/Area Scan (6x13x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.310 W/kg

**Edge 4/QPSK RB 1,25 Ch 20525/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

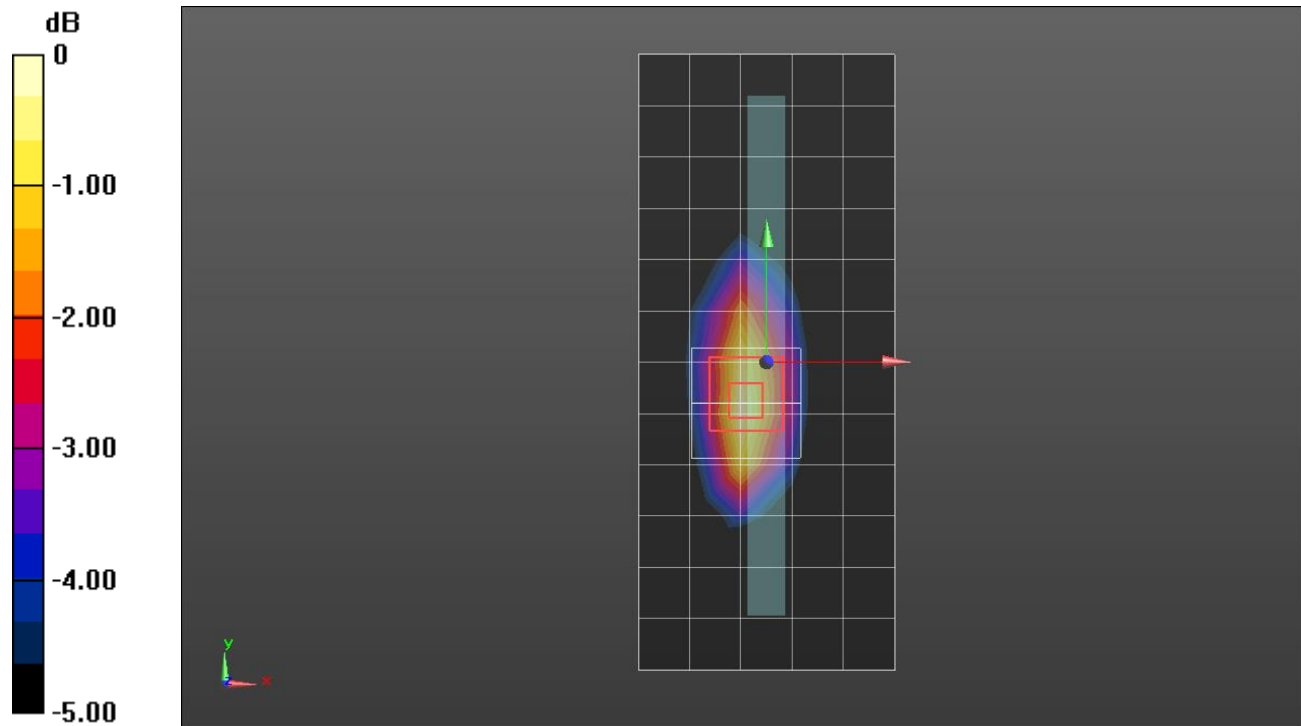
Reference Value = 16.65 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.361 W/kg

**SAR(1 g) = 0.220 W/kg; SAR(10 g) = 0.136 W/kg**

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

Maximum value of SAR (measured) = 0.312 W/kg



0 dB = 0.312 W/kg = -5.06 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:  $f = 2535 \text{ MHz}$ ;  $\sigma = 1.965 \text{ S/m}$ ;  $\epsilon_r = 37.765$ ;  $\rho = 1000 \text{ kg/m}^3$

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: 2/10/2017
- Probe: EX3DV4 - SN7356; ConvF(7.77, 7.77, 7.77); Calibrated: 4/21/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: 1772

**RHS/Touch\_QPSK RB 1,0 Ch 21100/Area Scan (10x16x1):** Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.226 W/kg

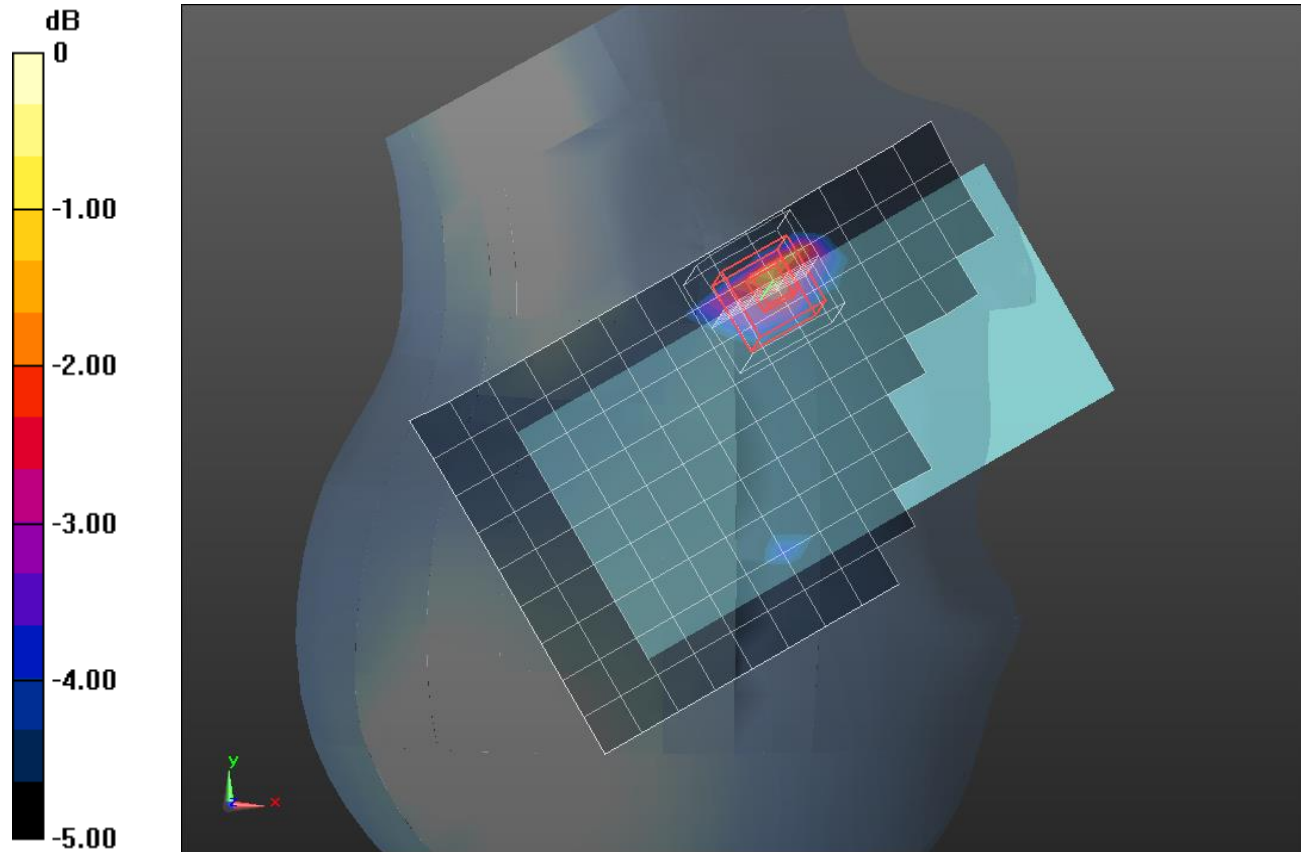
**RHS/Touch\_QPSK RB 1,0 Ch 21100/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.623 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.393 W/kg

**SAR(1 g) = 0.172 W/kg; SAR(10 g) = 0.080 W/kg**

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



0 dB = 0.306 W/kg = -5.14 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:  $f = 2535 \text{ MHz}$ ;  $\sigma = 2.105 \text{ S/m}$ ;  $\epsilon_r = 52.083$ ;  $\rho = 1000 \text{ kg/m}^3$

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: 2/10/2017
- Probe: EX3DV4 - SN7356; ConvF(7.92, 7.92, 7.92); Calibrated: 4/21/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1120

**Rear/QPSK RB 50,24 Ch 21100 15mm/Area Scan (10x15x1):** Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.312 W/kg

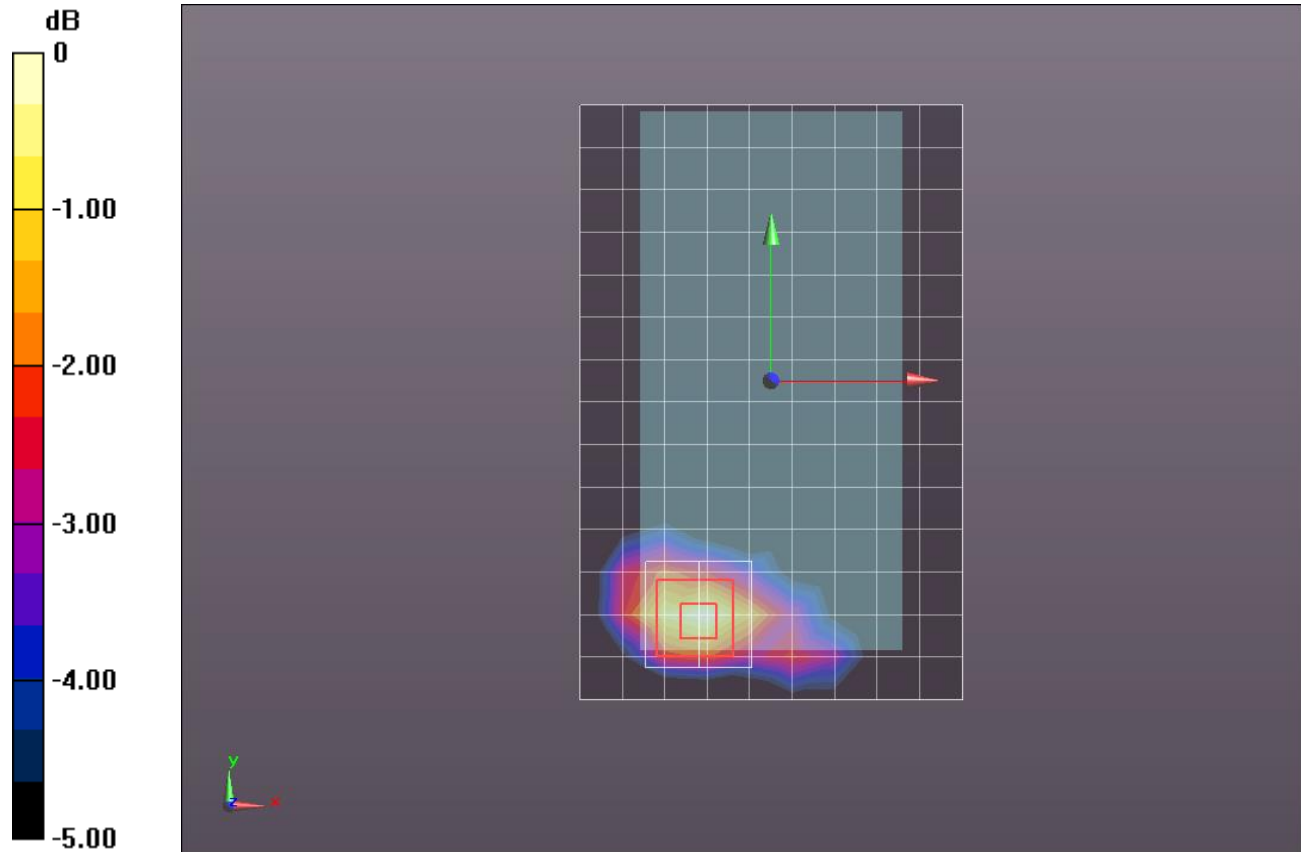
**Rear/QPSK RB 50,24 Ch 21100 15mm/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.26 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.394 W/kg

**SAR(1 g) = 0.200 W/kg; SAR(10 g) = 0.103 W/kg**

Maximum value of SAR (measured) = 0.311 W/kg



0 dB = 0.311 W/kg = -5.07 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:  $f = 2535 \text{ MHz}$ ;  $\sigma = 2.105 \text{ S/m}$ ;  $\epsilon_r = 52.083$ ;  $\rho = 1000 \text{ kg/m}^3$

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: 2/10/2017
- Probe: EX3DV4 - SN7356; ConvF(7.92, 7.92, 7.92); Calibrated: 4/21/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1120

**Edge 3/QPSK RB 1,0 Ch 21100 10mm/Area Scan (7x11x1):** Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.840 W/kg

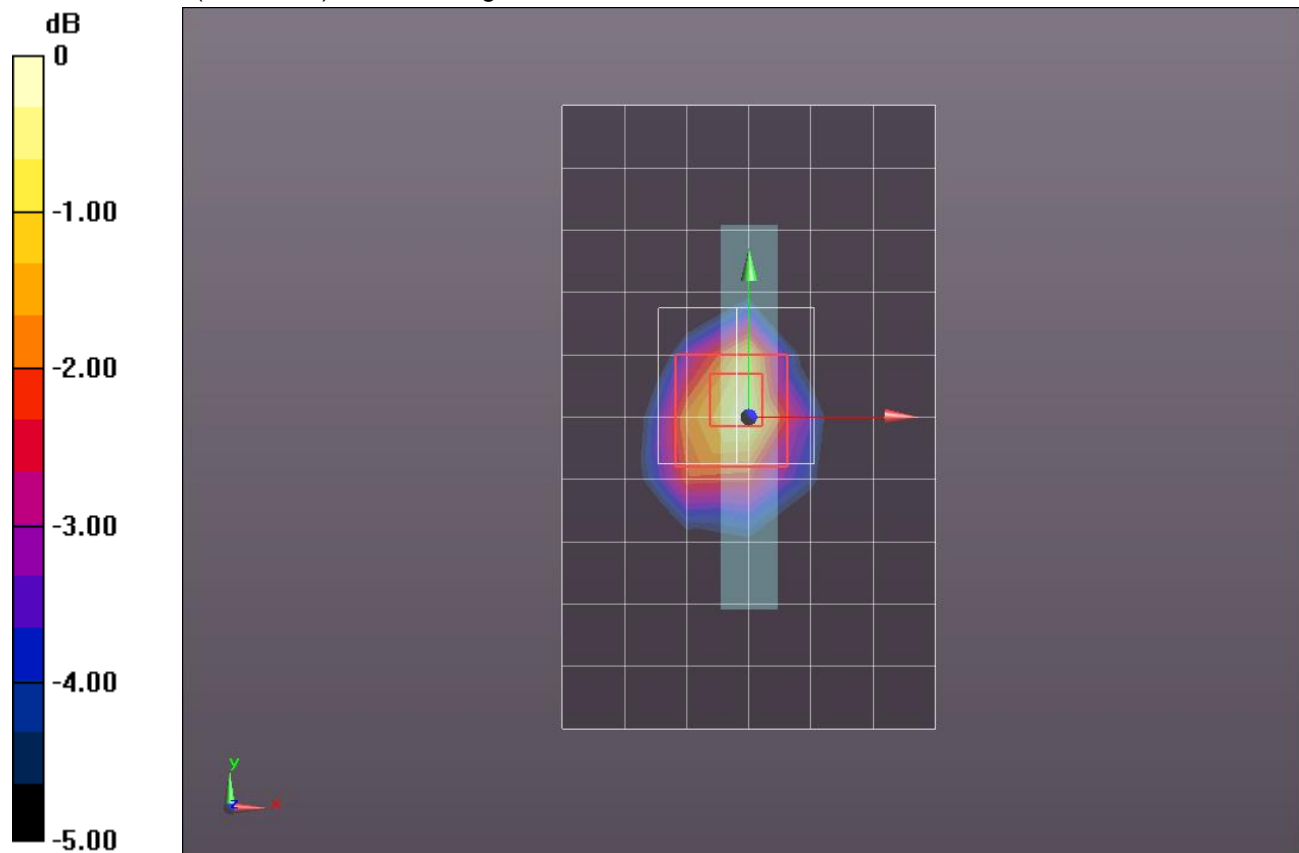
**Edge 3/QPSK RB 1,0 Ch 21100 10mm/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 18.85 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.13 W/kg

**SAR(1 g) = 0.547 W/kg; SAR(10 g) = 0.274 W/kg**

Maximum value of SAR (measured) = 0.889 W/kg



0 dB = 0.889 W/kg = -0.51 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;  $\sigma = 0.857$  S/m;  $\epsilon_r = 40.992$ ;  $\rho = 1000$  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 Sn1357; Calibrated: 2/13/2017
- Probe: EX3DV4 - SN3772; ConvF(8.85, 8.85, 8.85); Calibrated: 2/16/2017;
- 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 1,49 Ch 23095/Area Scan (8x13x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.291 W/kg

**LHS/Touch\_QPSK RB 1,49 Ch 23095/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

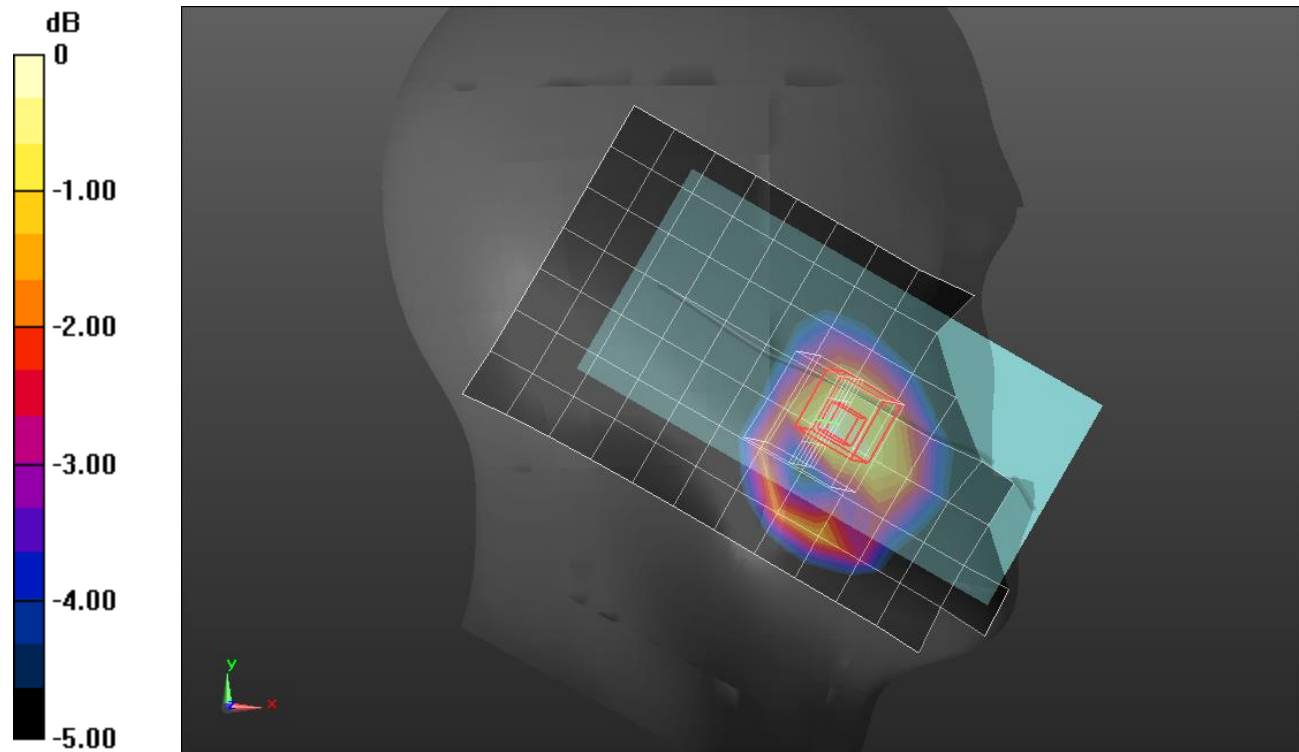
Reference Value = 18.25 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.340 W/kg

**SAR(1 g) = 0.246 W/kg; SAR(10 g) = 0.175 W/kg**

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

Maximum value of SAR (measured) = 0.296 W/kg



0 dB = 0.296 W/kg = -5.29 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;  $\sigma = 0.921$  S/m;  $\epsilon_r = 58.273$ ;  $\rho = 1000$  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 Sn1357; Calibrated: 2/13/2017
- Probe: EX3DV4 - SN3772; ConvF(9.3, 9.3, 9.3); Calibrated: 2/16/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI V5.0 Slot 1/2; Type: QD OVA 002 AA; Serial: 1258

**Front/QPSK RB 1,49 Ch 23095 / 15mm/Area Scan (8x13x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.239 W/kg

**Front/QPSK RB 1,49 Ch 23095 / 15mm/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

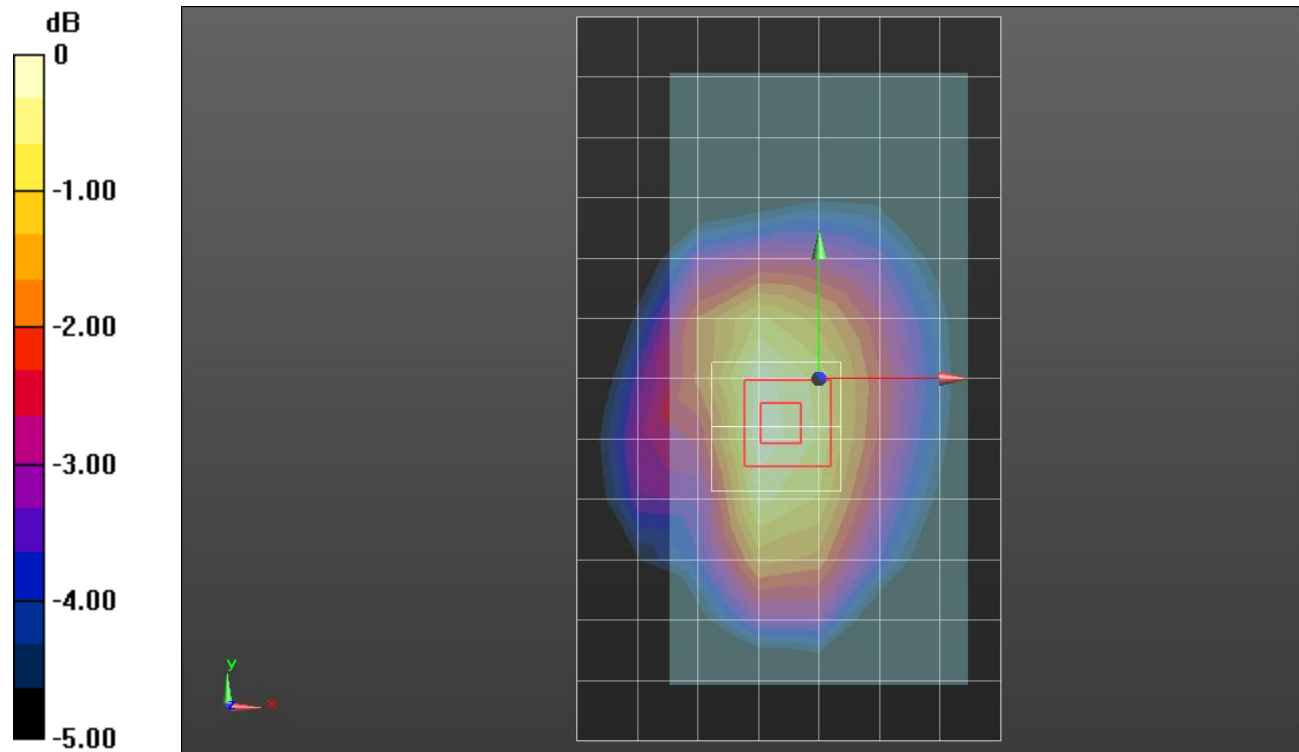
Reference Value = 15.69 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.259 W/kg

**SAR(1 g) = 0.208 W/kg; SAR(10 g) = 0.161 W/kg**

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

Maximum value of SAR (measured) = 0.243 W/kg



0 dB = 0.243 W/kg = -6.14 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;  $\sigma = 0.921$  S/m;  $\epsilon_r = 58.273$ ;  $\rho = 1000$  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 Sn1357; Calibrated: 2/13/2017
- Probe: EX3DV4 - SN3772; ConvF(9.3, 9.3, 9.3); Calibrated: 2/16/2017;
- 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: 1258

**Front/QPSK RB 1,49 Ch 23095 / 10mm/Area Scan (8x13x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.309 W/kg

**Front/QPSK RB 1,49 Ch 23095 / 10mm/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.85 V/m; Power Drift = -0.01 dB

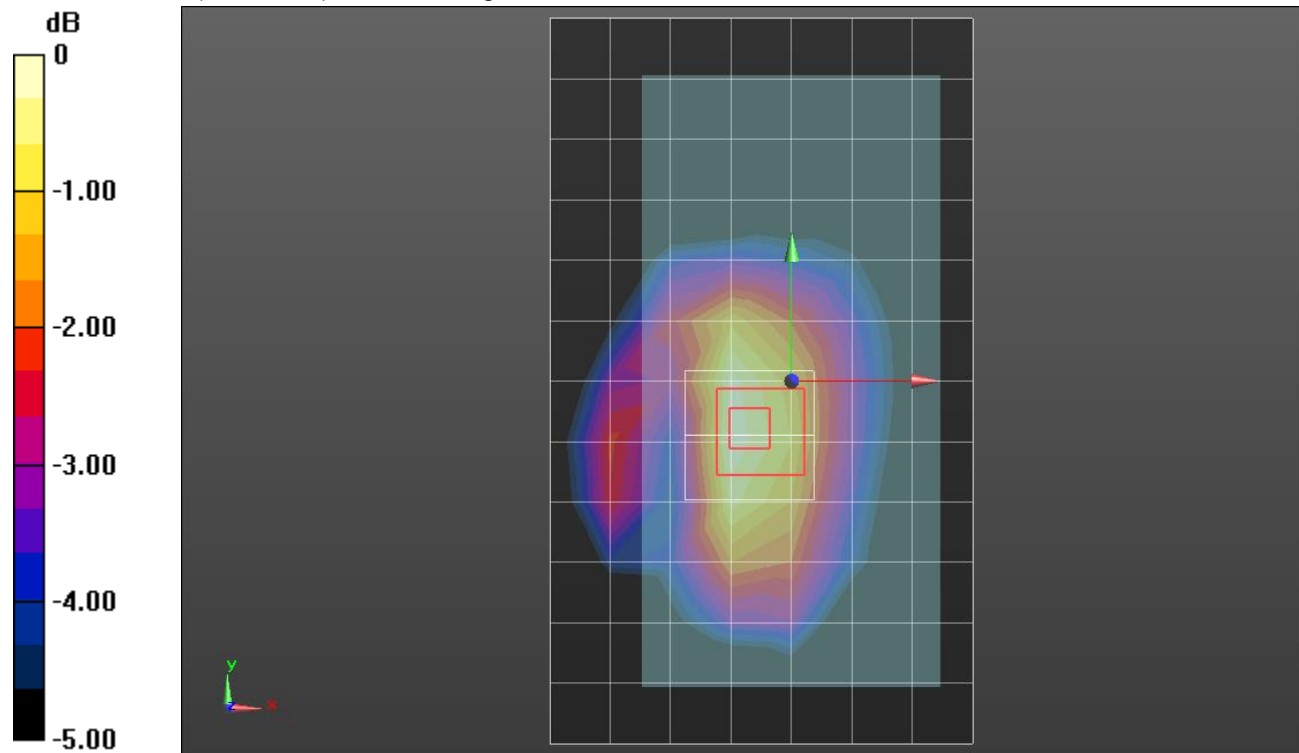
Peak SAR (extrapolated) = 0.338 W/kg

Peak SAR (extrapolated) = 0.338 W/kg

**SAR(1 g) = 0.267 W/kg; SAR(10 g) = 0.203 W/kg**

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

Maximum value of SAR (measured) = 0.313 W/kg



0 dB = 0.313 W/kg = -5.04 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):  $f = 782$  MHz;  $\sigma = 0.917$  S/m;  $\epsilon_r = 39.973$ ;  $\rho = 1000$  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 Sn1357; Calibrated: 2/13/2017
- Probe: EX3DV4 - SN3772; ConvF(8.85, 8.85, 8.85); Calibrated: 2/16/2017;
- 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 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) = 0.594 W/kg

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

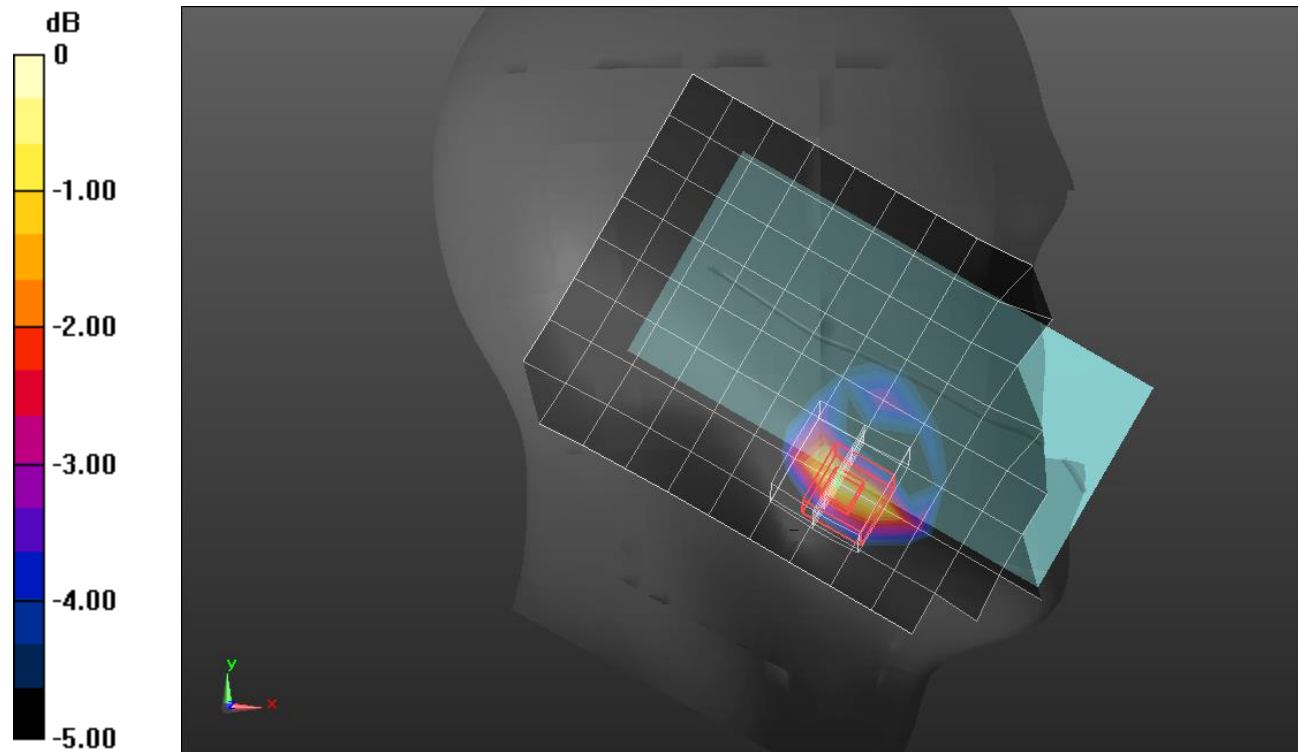
Reference Value = 24.46 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.738 W/kg

**SAR(1 g) = 0.380 W/kg; SAR(10 g) = 0.200 W/kg**

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

Maximum value of SAR (measured) = 0.610 W/kg



0 dB = 0.610 W/kg = -2.15 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):  $f = 782 \text{ MHz}$ ;  $\sigma = 0.981 \text{ S/m}$ ;  $\epsilon_r = 57.558$ ;  $\rho = 1000 \text{ kg/m}^3$

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 Sn1357; Calibrated: 2/13/2017
- Probe: EX3DV4 - SN3772; ConvF(9.3, 9.3, 9.3); Calibrated: 2/16/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI V5.0 Slot 1/2; Type: QD OVA 002 AA; Serial: 1258

**Front/QPSK RB 1,25 15mm Ch 23230/Area Scan (9x13x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.221 W/kg

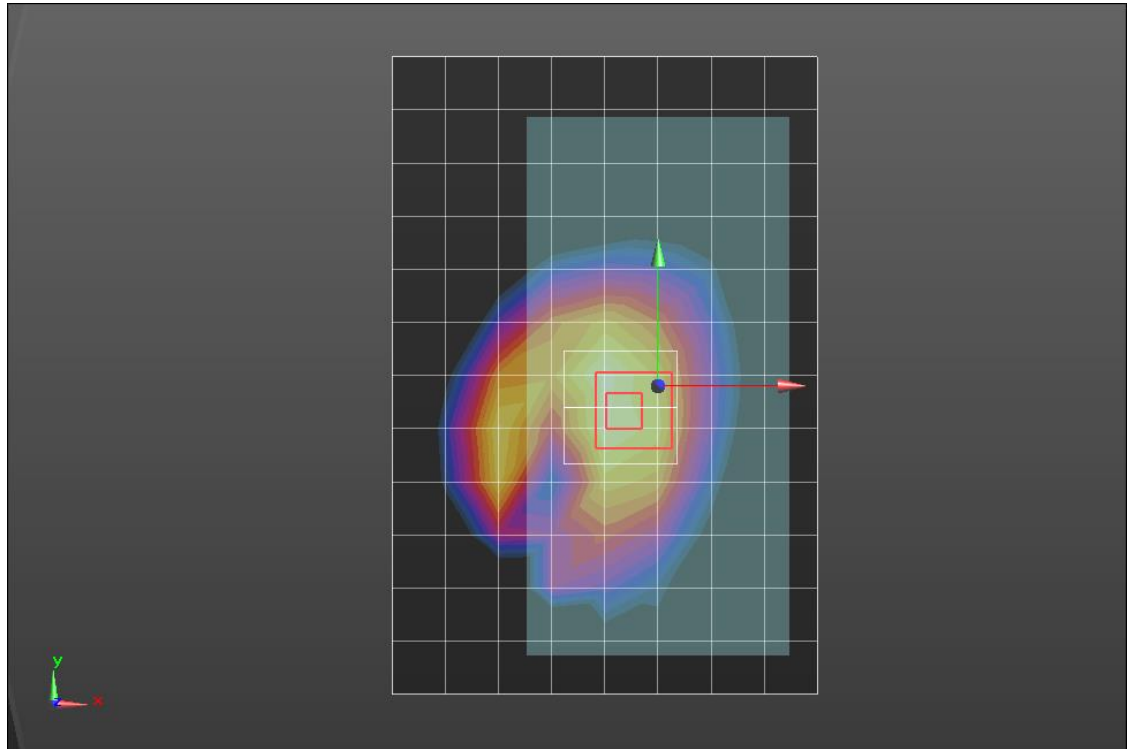
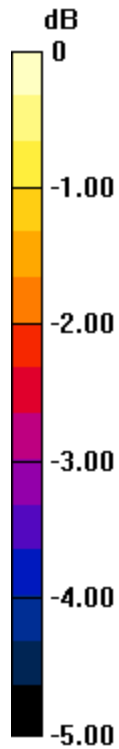
**Front/QPSK RB 1,25 15mm Ch 23230/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.57 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.246 W/kg

**SAR(1 g) = 0.191 W/kg; SAR(10 g) = 0.141 W/kg**

[Info: Interpolated medium parameters used for SAR evaluation.](#)  
 Maximum value of SAR (measured) = 0.229 W/kg



0 dB = 0.229 W/kg = -6.40 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):  $f = 782 \text{ MHz}$ ;  $\sigma = 0.981 \text{ S/m}$ ;  $\epsilon_r = 57.558$ ;  $\rho = 1000 \text{ kg/m}^3$

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 Sn1357; Calibrated: 2/13/2017
- Probe: EX3DV4 - SN3772; ConvF(9.3, 9.3, 9.3); Calibrated: 2/16/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI V5.0 Slot 1/2; Type: QD OVA 002 AA; Serial: 1258

**Front/QPSK RB 1,25 10 mm Ch 23230/Area Scan (9x13x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.428 W/kg

**Front/QPSK RB 1,25 10 mm Ch 23230/Zoom Scan (5x6x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

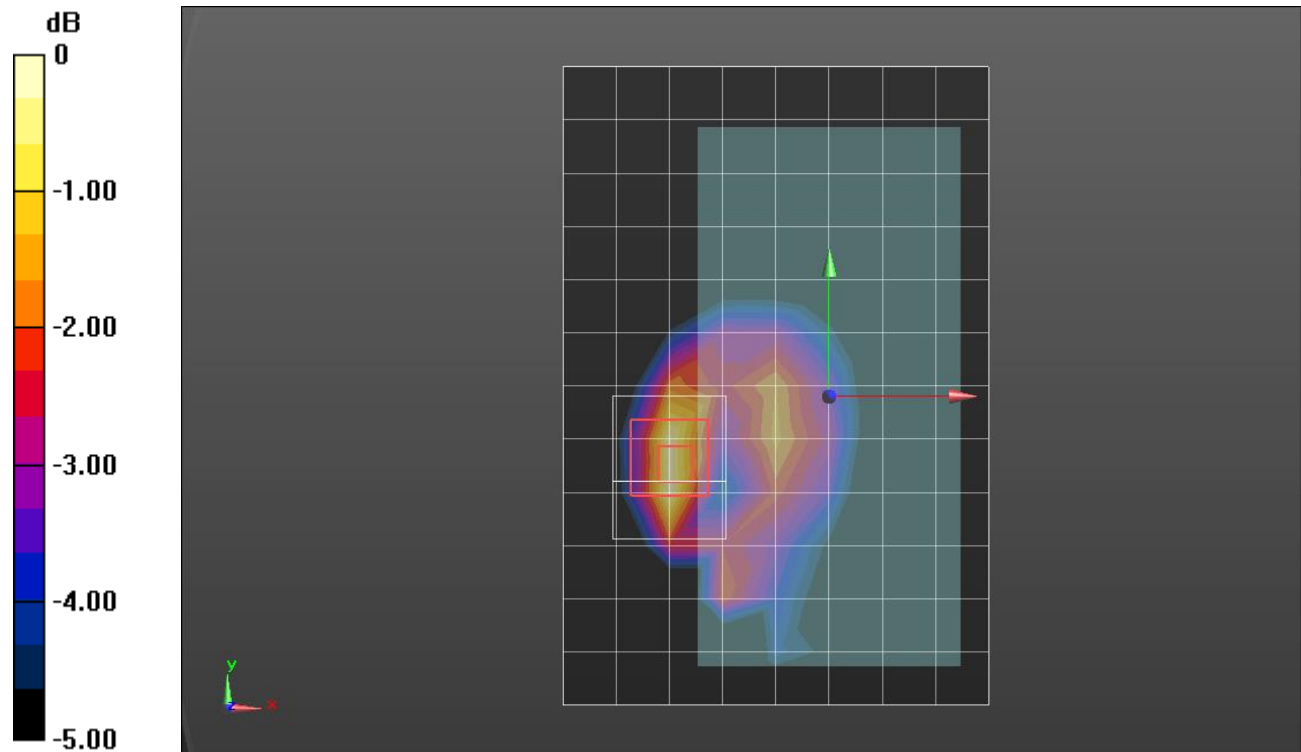
Reference Value = 19.74 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.599 W/kg

**SAR(1 g) = 0.317 W/kg; SAR(10 g) = 0.179 W/kg**

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

Maximum value of SAR (measured) = 0.440 W/kg



0 dB = 0.440 W/kg = -3.57 dBW/kg

## LTE Band 26

Frequency: 831.5 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used (interpolated):  $f = 831.5 \text{ MHz}$ ;  $\sigma = 0.92 \text{ S/m}$ ;  $\epsilon_r = 42.513$ ;  $\rho = 1000 \text{ kg/m}^3$

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 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\_QPSK RB 36,20 Ch 26865/Area Scan (8x13x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.339 W/kg

**LHS/Touch\_QPSK RB 36,20 Ch 26865/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

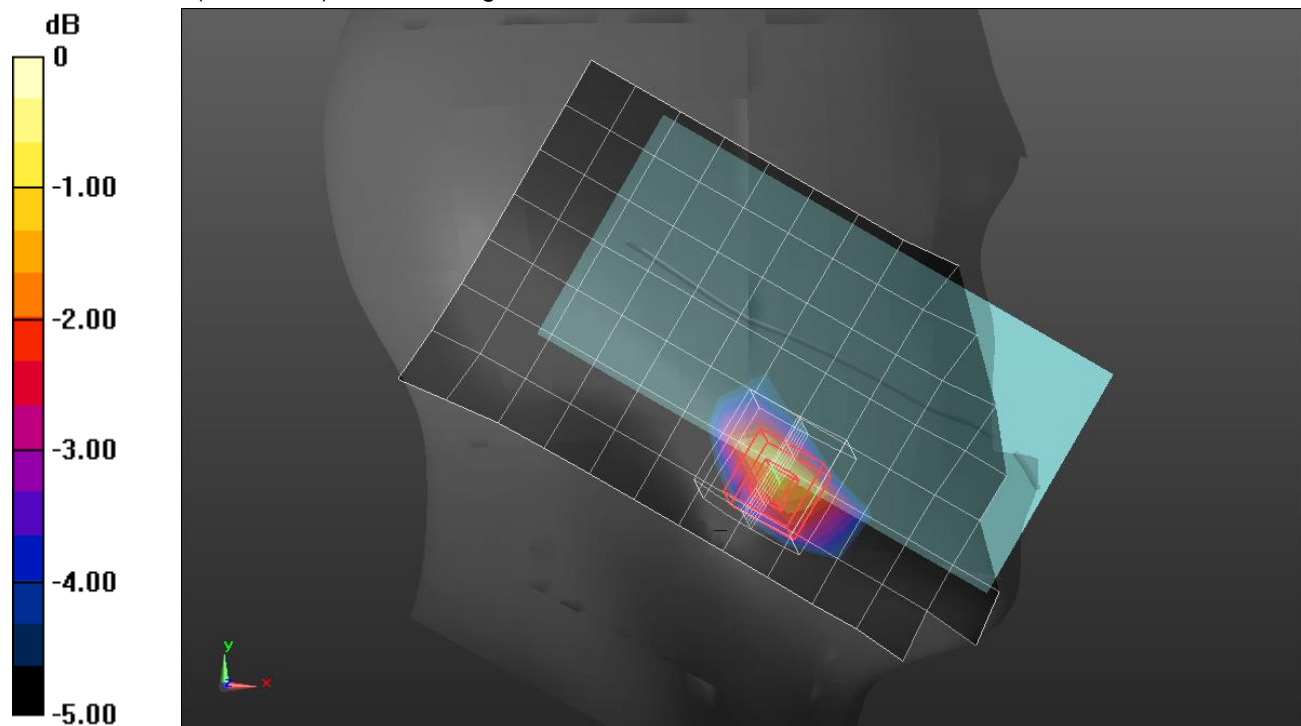
Reference Value = 16.03 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.453 W/kg

**SAR(1 g) = 0.257 W/kg; SAR(10 g) = 0.149 W/kg**

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

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



0 dB = 0.384 W/kg = -4.16 dBW/kg

## LTE Band 26

Frequency: 831.5 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used (interpolated):  $f = 831.5$  MHz;  $\sigma = 0.997$  S/m;  $\epsilon_r = 55.815$ ;  $\rho = 1000$  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 36,20 Ch 26865 15mm/Area Scan (9x14x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.159 W/kg

**Front/QPSK RB 36,20 Ch 26865 15mm/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.10 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.185 W/kg

**SAR(1 g) = 0.123 W/kg; SAR(10 g) = 0.082 W/kg**

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

Maximum value of SAR (measured) = 0.164 W/kg

**Front/QPSK RB 36,20 Ch 26865 15mm/Zoom Scan 2 (5x5x7)/Cube 0:** Measurement grid:

dx=8mm, dy=8mm, dz=5mm

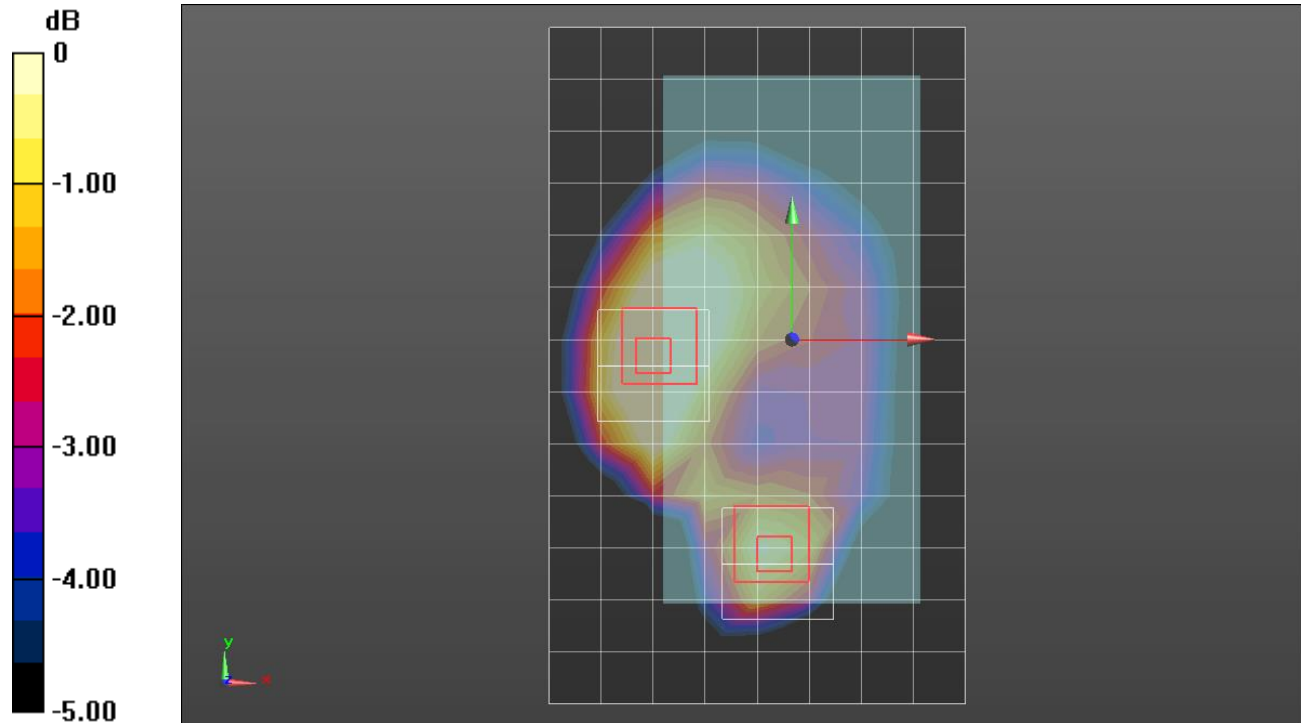
Reference Value = 12.10 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.126 W/kg

**SAR(1 g) = 0.088 W/kg; SAR(10 g) = 0.059 W/kg**

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

Maximum value of SAR (measured) = 0.112 W/kg



0 dB = 0.112 W/kg = -9.51 dBW/kg



## LTE Band 26

Frequency: 831.5 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used (interpolated):  $f = 831.5$  MHz;  $\sigma = 0.997$  S/m;  $\epsilon_r = 55.815$ ;  $\rho = 1000$  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

**Edge 4/QPSK RB 36,20 Ch 26865 10mm/Area Scan (7x13x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.324 W/kg

**Edge 4/QPSK RB 36,20 Ch 26865 10mm/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

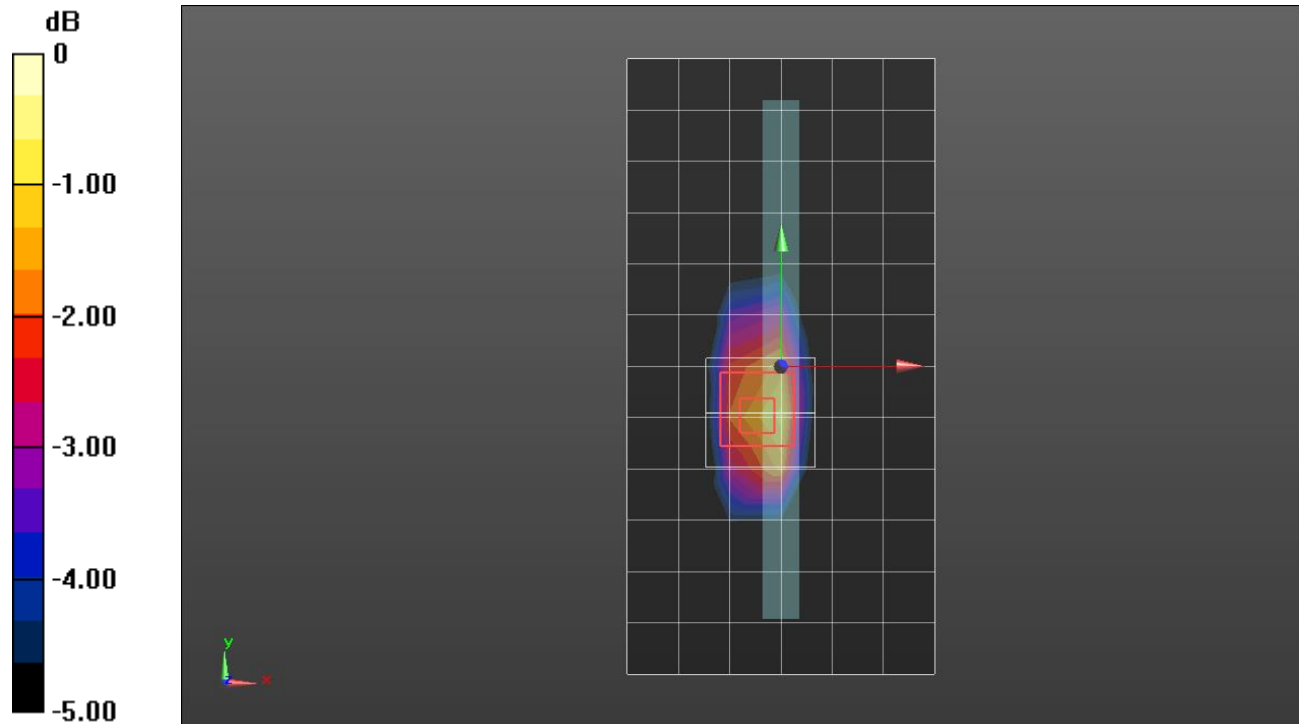
Reference Value = 16.92 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.463 W/kg

**SAR(1 g) = 0.272 W/kg; SAR(10 g) = 0.162 W/kg**

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

Maximum value of SAR (measured) = 0.393 W/kg



0 dB = 0.393 W/kg = -4.06 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;  $\sigma = 2.018$  S/m;  $\epsilon_r = 37.538$ ;  $\rho = 1000$  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: 2/10/2017
- Probe: EX3DV4 - SN7356; ConvF(7.77, 7.77, 7.77); Calibrated: 4/21/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: 1772

**RHS/Touch\_QPSK RB 1,0 Ch 40620/Area Scan (10x16x1):** Measurement grid: dx=12mm, dy=12mm

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

Maximum value of SAR (measured) = 0.135 W/kg

**RHS/Touch\_QPSK RB 1,0 Ch 40620/Zoom Scan (9x10x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

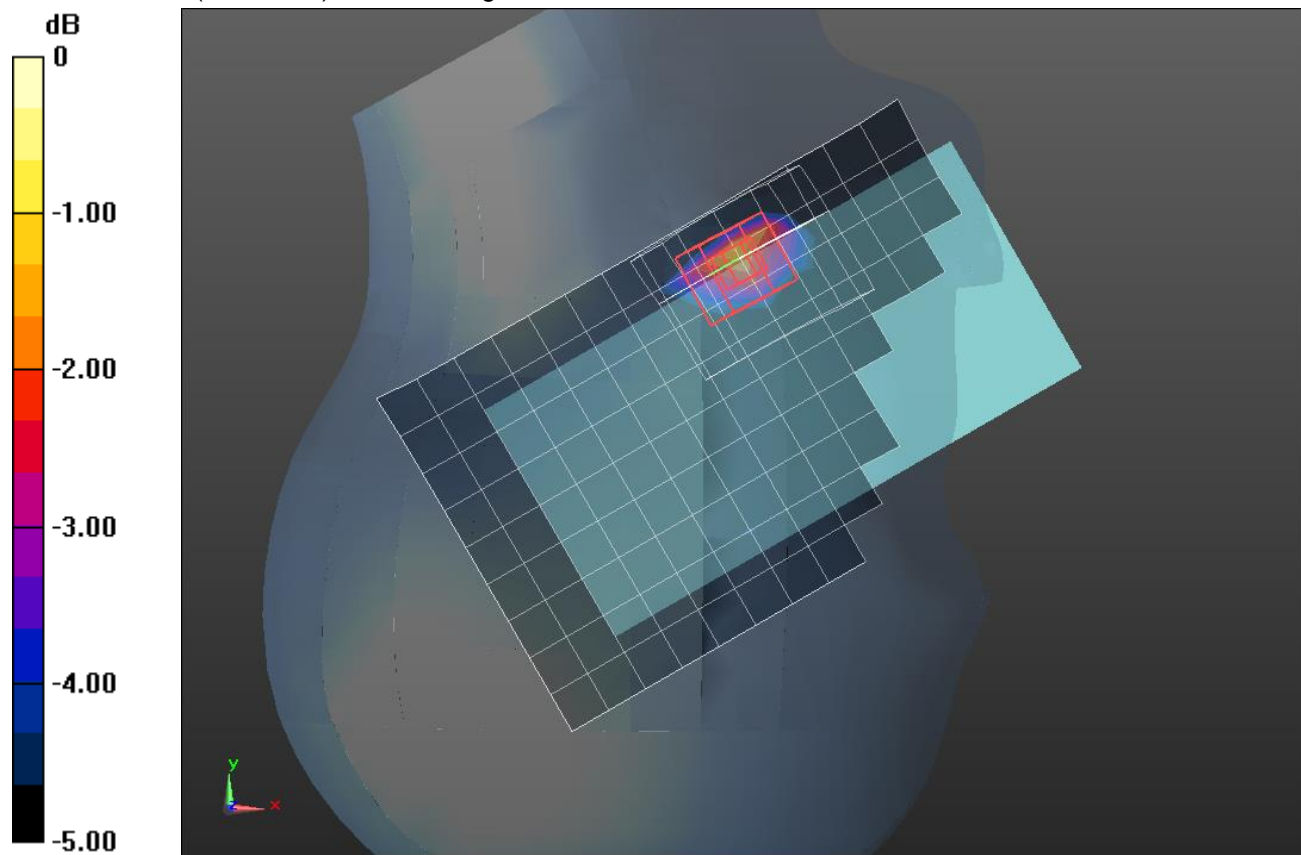
Reference Value = 7.283 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.231 W/kg

**SAR(1 g) = 0.101 W/kg; SAR(10 g) = 0.046 W/kg**

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

Maximum value of SAR (measured) = 0.177 W/kg



0 dB = 0.177 W/kg = -7.52 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;  $\sigma = 2.168$  S/m;  $\epsilon_r = 51.733$ ;  $\rho = 1000$  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: 2/10/2017
- Probe: EX3DV4 - SN7356; ConvF(7.92, 7.92, 7.92); Calibrated: 4/21/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1120

**Rear/QPSK RB 50,0 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) = 0.224 W/kg

**Rear/QPSK RB 50,0 Ch 40620 15mm/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

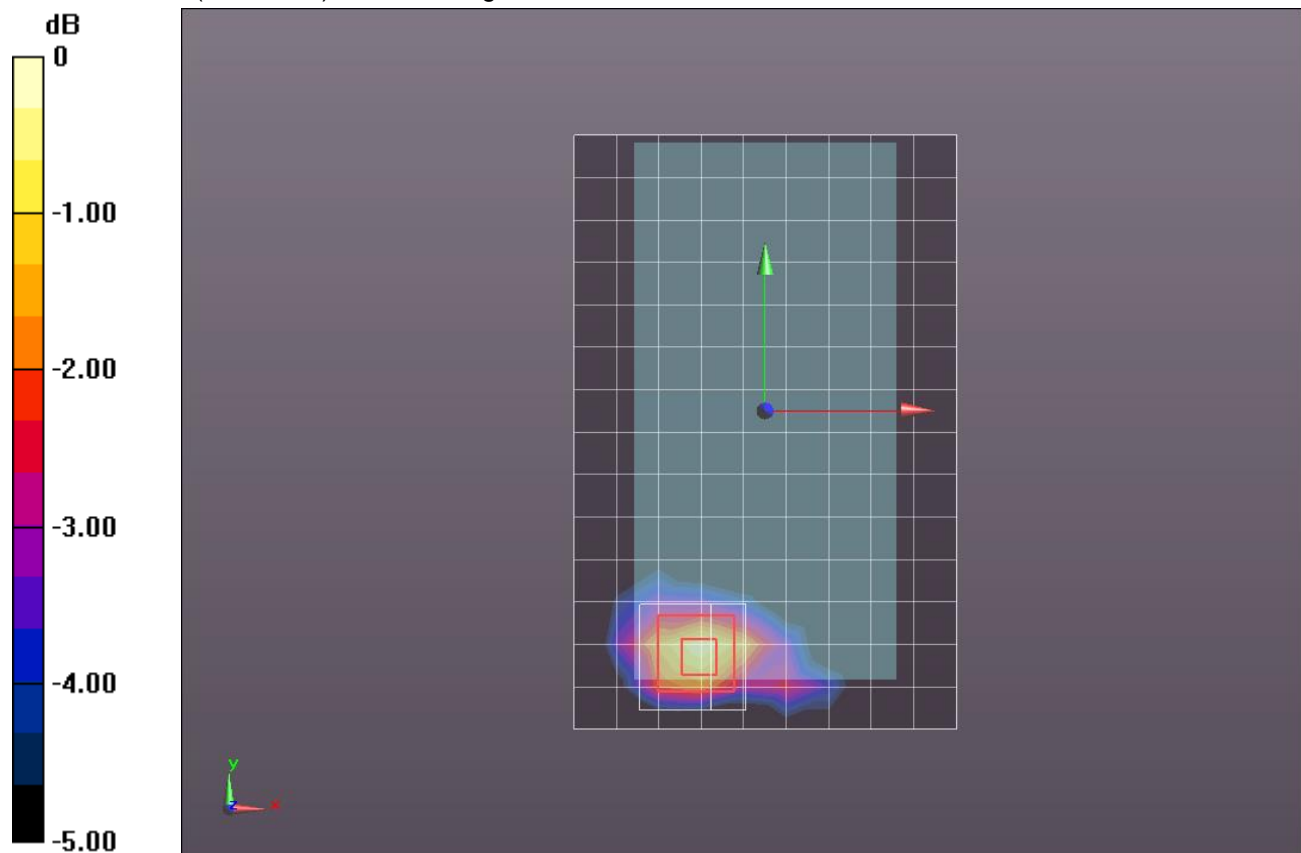
Reference Value = 9.427 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.302 W/kg

**SAR(1 g) = 0.149 W/kg; SAR(10 g) = 0.074 W/kg**

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

Maximum value of SAR (measured) = 0.239 W/kg



0 dB = 0.239 W/kg = -6.22 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;  $\sigma = 2.168$  S/m;  $\epsilon_r = 51.733$ ;  $\rho = 1000$  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: 2/10/2017
- Probe: EX3DV4 - SN7356; ConvF(7.92, 7.92, 7.92); Calibrated: 4/21/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1120

**Rear/QPSK RB 50,0 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) = 0.535 W/kg

**Rear/QPSK RB 50,0 Ch 40620 10mm/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

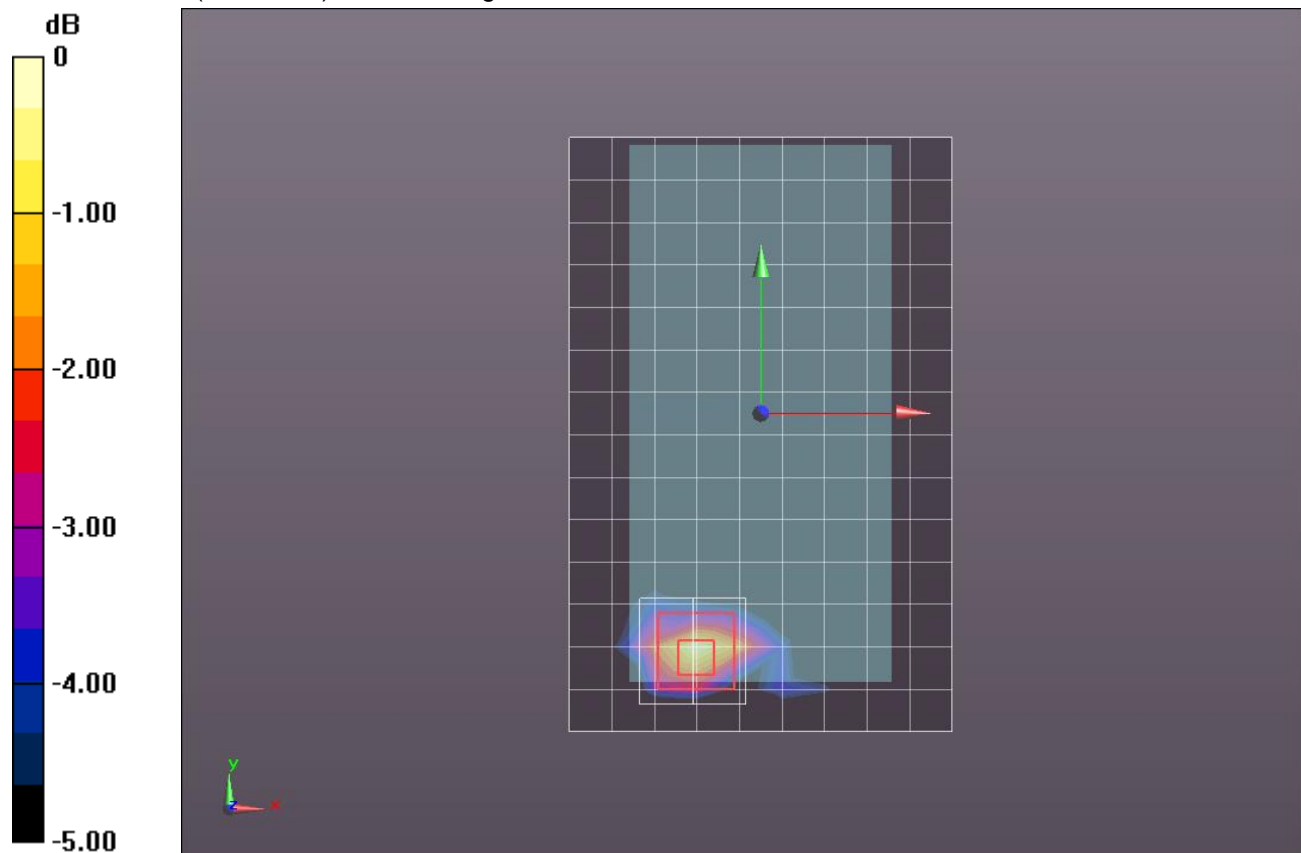
Reference Value = 14.47 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.747 W/kg

**SAR(1 g) = 0.349 W/kg; SAR(10 g) = 0.161 W/kg**

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

Maximum value of SAR (measured) = 0.567 W/kg



0 dB = 0.567 W/kg = -2.46 dBW/kg

### LTE Band 66

Frequency: 1745 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used:  $f = 1745 \text{ MHz}$ ;  $\sigma = 1.369 \text{ S/m}$ ;  $\epsilon_r = 39.715$ ;  $\rho = 1000 \text{ kg/m}^3$

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(8.82, 8.82, 8.82); Calibrated: 3/15/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), 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 50,24 Ch 132322/Area Scan (8x13x1):** Measurement grid: dx=15mm,

dy=15mm

Maximum value of SAR (measured) = 0.259 W/kg

**LHS/Touch\_QPSK RB 50,24 Ch 132322/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm,

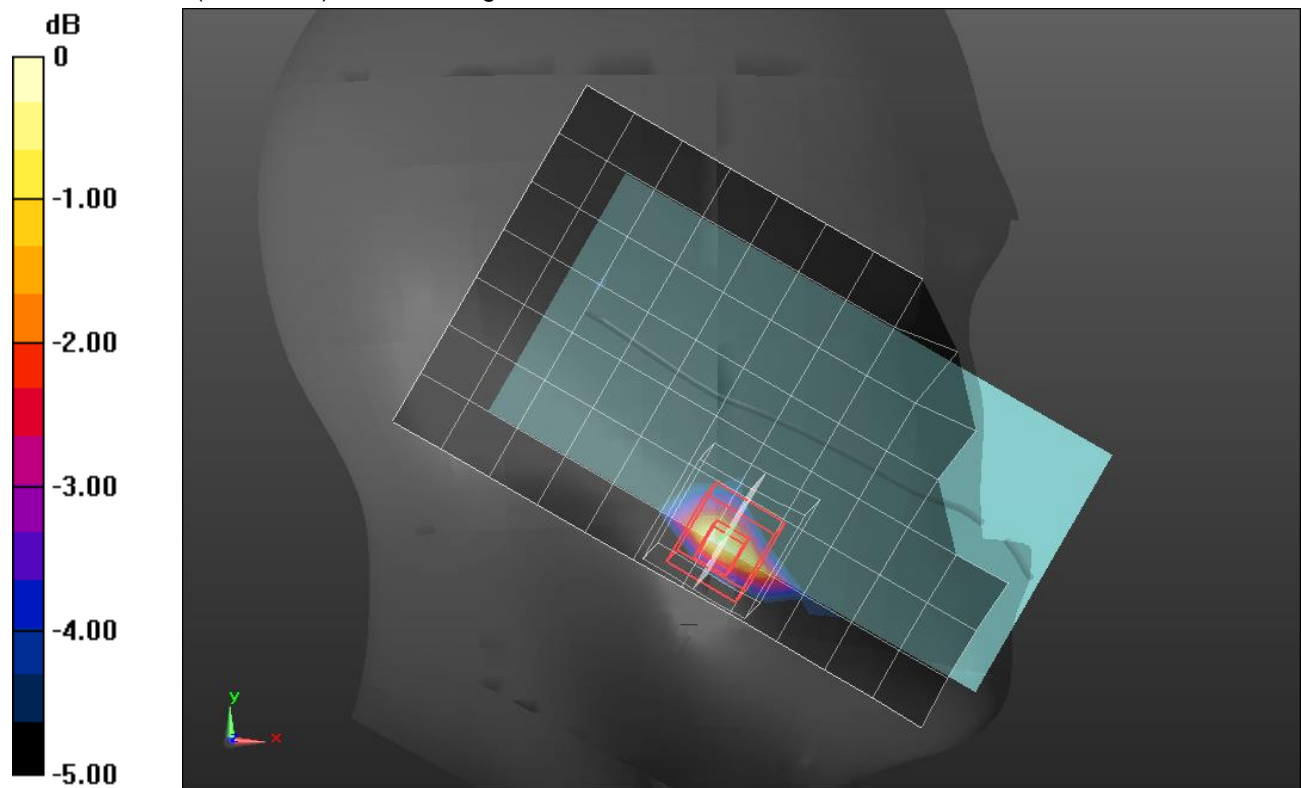
dy=8mm, dz=5mm

Reference Value = 12.65 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.321 W/kg

**SAR(1 g) = 0.164 W/kg; SAR(10 g) = 0.082 W/kg**

Maximum value of SAR (measured) = 0.262 W/kg



0 dB = 0.262 W/kg = -5.82 dBW/kg

### LTE Band 66

Frequency: 1745 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used:  $f = 1745 \text{ MHz}$ ;  $\sigma = 1.528 \text{ S/m}$ ;  $\epsilon_r = 53.951$ ;  $\rho = 1000 \text{ kg/m}^3$

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/Front\_QPSK RB 50,24\_Ch 132322\_15mm/Area Scan (8x13x1): Measurement grid:

$dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.330 W/kg

#### Front/Front\_QPSK RB 50,24\_Ch 132322\_15mm/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

$dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 14.14 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.393 W/kg

**SAR(1 g) = 0.259 W/kg; SAR(10 g) = 0.167 W/kg**

Maximum value of SAR (measured) = 0.345 W/kg

#### Front/Front\_QPSK RB 50,24\_Ch 132322\_15mm/Zoom Scan 2 (5x5x7)/Cube 0: Measurement grid:

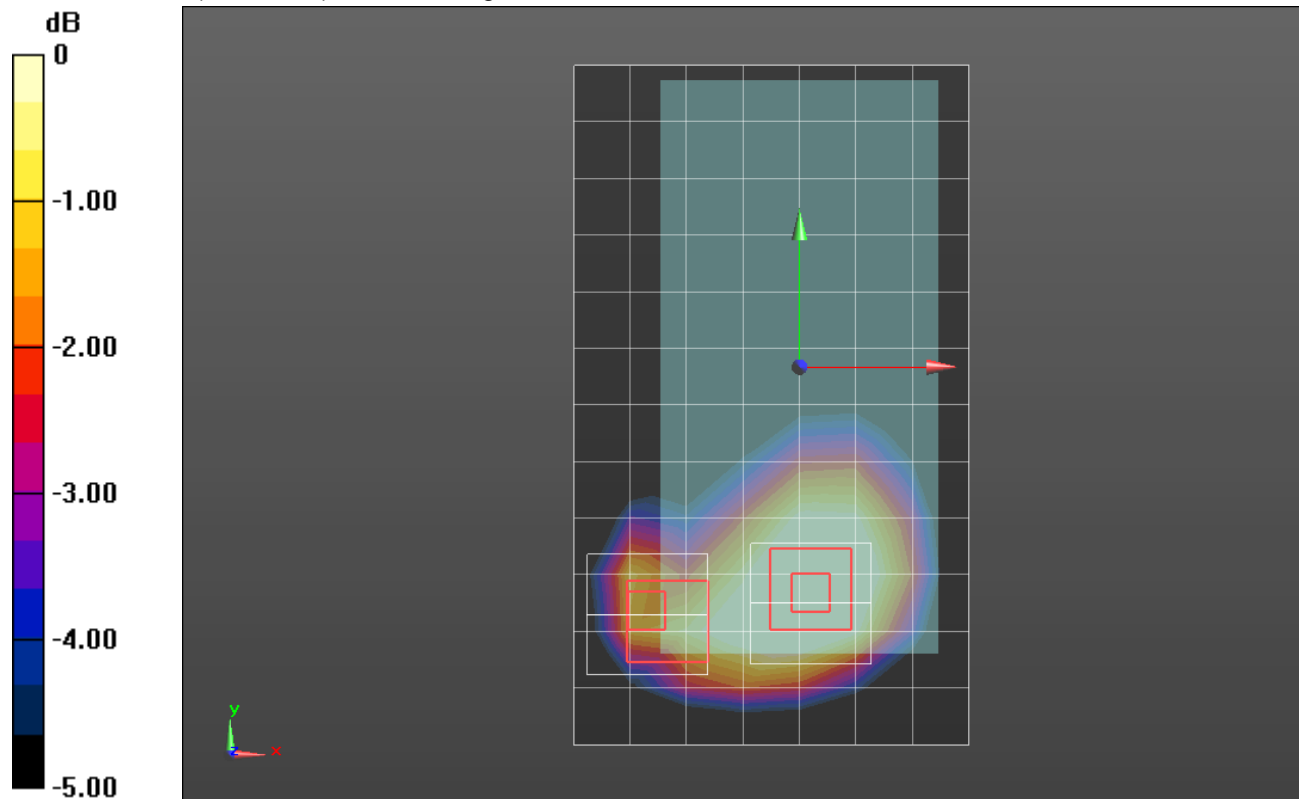
$dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 14.14 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.278 W/kg

**SAR(1 g) = 0.163 W/kg; SAR(10 g) = 0.097 W/kg**

Maximum value of SAR (measured) = 0.238 W/kg



0 dB = 0.238 W/kg = -6.23 dBW/kg

## LTE Band 66

Frequency: 1745 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used:  $f = 1745 \text{ MHz}$ ;  $\sigma = 1.528 \text{ S/m}$ ;  $\epsilon_r = 53.951$ ;  $\rho = 1000 \text{ kg/m}^3$

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)
- Phantom: ELI V5.0 Slot 6/7; Type: QD OVA 001 BB; Serial: 1118

### Front/Front\_QPSK RB 50,24\_Ch 132322\_10mm/Area Scan (9x13x1): Measurement grid:

$dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.590 W/kg

### Front/Front\_QPSK RB 50,24\_Ch 132322\_10mm/Zoom Scan (5x5x7)/Cube 0: Measurement

grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 18.56 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.790 W/kg

**SAR(1 g) = 0.430 W/kg; SAR(10 g) = 0.234 W/kg**

Maximum value of SAR (measured) = 0.652 W/kg

### Front/Front\_QPSK RB 50,24\_Ch 132322\_10mm/Zoom Scan 2 (5x5x7)/Cube 0: Measurement

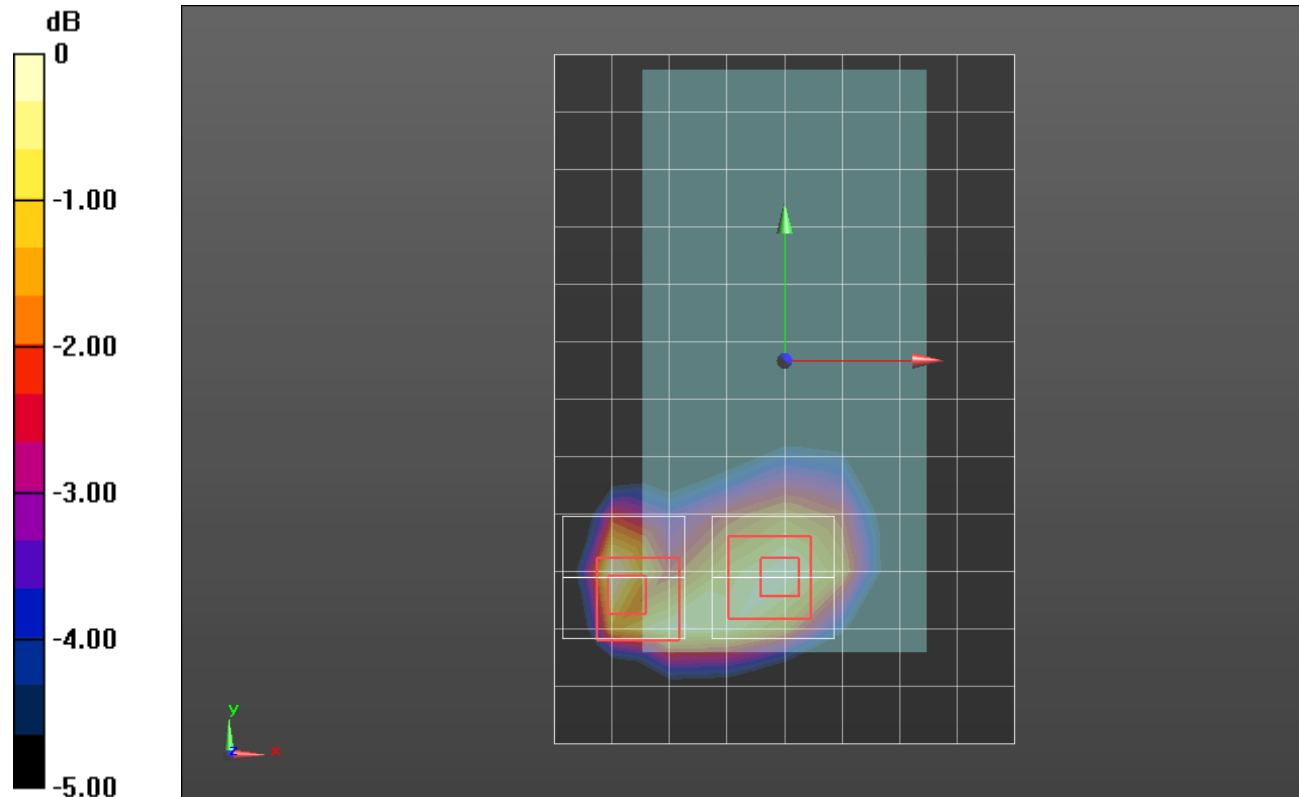
grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 18.56 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.633 W/kg

**SAR(1 g) = 0.415 W/kg; SAR(10 g) = 0.268 W/kg**

Maximum value of SAR (measured) = 0.553 W/kg



0 dB = 0.553 W/kg = -2.57 dBW/kg

## Wi-Fi 2.4GHz

Frequency: 2437 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used (interpolated):  $f = 2437 \text{ MHz}$ ;  $\sigma = 1.762 \text{ S/m}$ ;  $\epsilon_r = 39.352$ ;  $\rho = 1000 \text{ kg/m}^3$

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), 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 6\_Chain 0/Area Scan (10x16x1):** Measurement grid: dx=12mm, dy=12mm

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

Maximum value of SAR (measured) = 0.536 W/kg

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

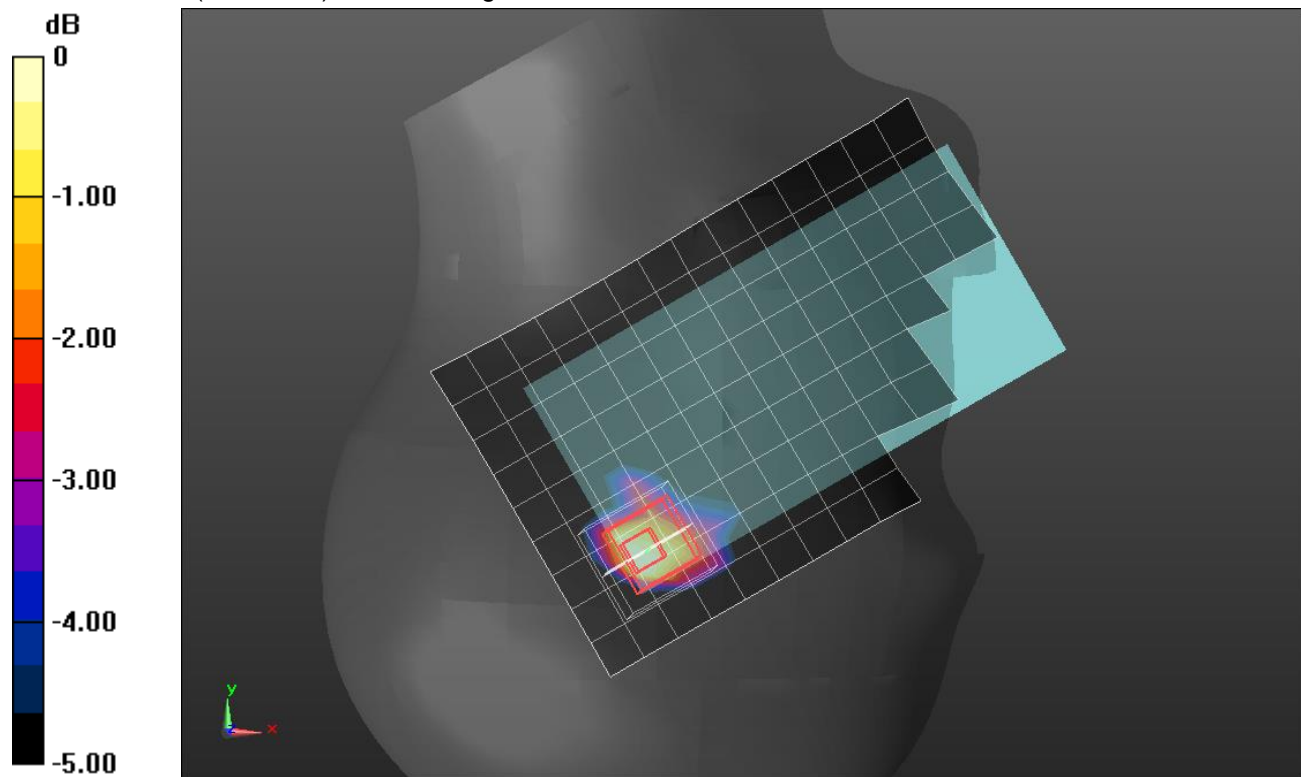
Reference Value = 16.02 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.815 W/kg

**SAR(1 g) = 0.330 W/kg; SAR(10 g) = 0.150 W/kg**

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

Maximum value of SAR (measured) = 0.496 W/kg



0 dB = 0.496 W/kg = -3.05 dBW/kg



## Wi-Fi 2.4GHz

Frequency: 2437 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used (interpolated):  $f = 2437 \text{ MHz}$ ;  $\sigma = 2.003 \text{ S/m}$ ;  $\epsilon_r = 50.497$ ;  $\rho = 1000 \text{ kg/m}^3$

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: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI V5.0 Slot 1/2; Type: QD OVA 002 Ax; Serial: 1119

**Front/802.11b\_ch 6\_15mm\_Chain 0/Area Scan (10x17x1):** Measurement grid: dx=12mm, dy=12mm

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

Maximum value of SAR (measured) = 0.0204 W/kg

**Front/802.11b\_ch 6\_15mm\_Chain 0/Zoom Scan (9x14x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

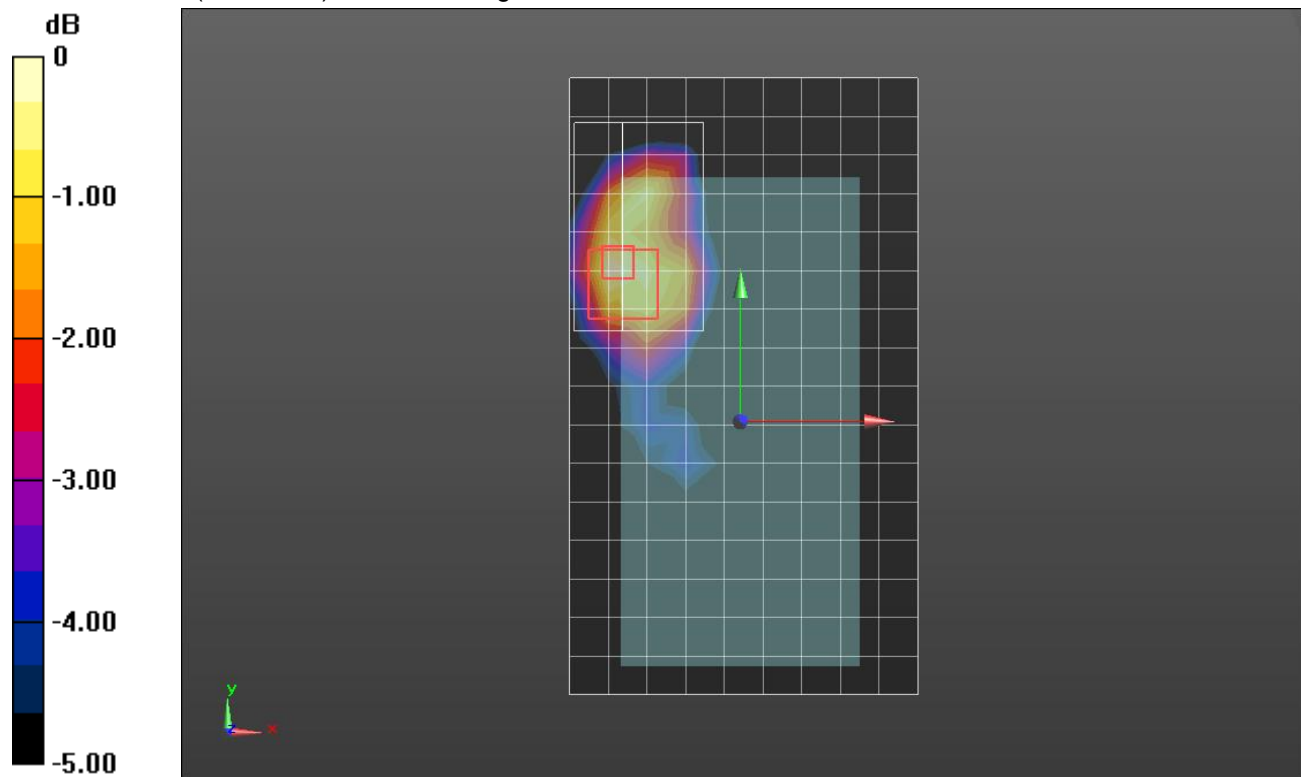
Reference Value = 2.990 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.0250 W/kg

**SAR(1 g) = 0.013 W/kg; SAR(10 g) = 0.00587 W/kg**

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

Maximum value of SAR (measured) = 0.0208 W/kg



0 dB = 0.0208 W/kg = -16.82 dBW/kg

## Wi-Fi 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;  $\sigma = 2.003$  S/m;  $\epsilon_r = 50.497$ ;  $\rho = 1000$  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 4/802.11b\_ch 6\_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) = 0.108 W/kg

**Edge 4/802.11b\_ch 6\_10mm\_Chain 0/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

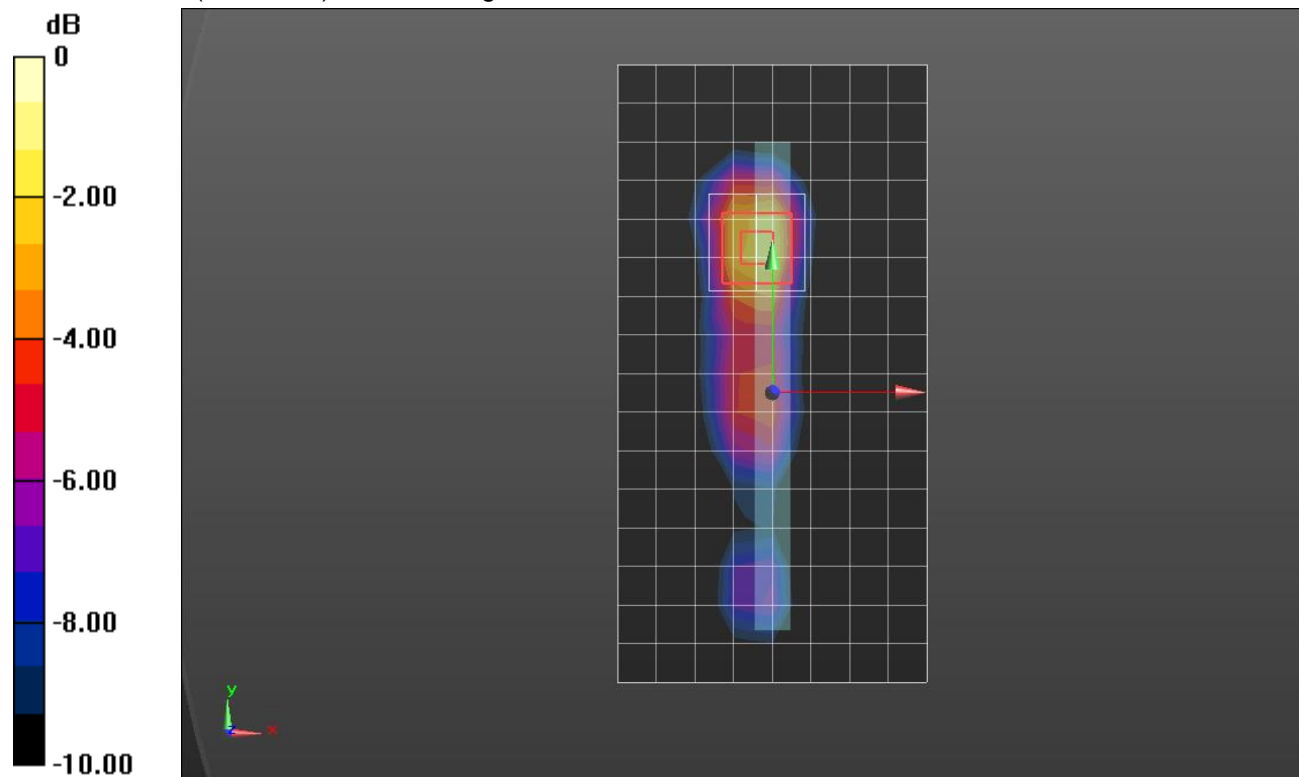
Reference Value = 6.755 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.178 W/kg

**SAR(1 g) = 0.083 W/kg; SAR(10 g) = 0.037 W/kg**

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

Maximum value of SAR (measured) = 0.141 W/kg



0 dB = 0.141 W/kg = -8.51 dBW/kg

## Wi-Fi 2.4GHz

Frequency: 2437 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used (interpolated):  $f = 2437 \text{ MHz}$ ;  $\sigma = 1.762 \text{ S/m}$ ;  $\epsilon_r = 39.352$ ;  $\rho = 1000 \text{ kg/m}^3$

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 6\_Chain 1/Area Scan (10x16x1):** Measurement grid: dx=12mm, dy=12mm

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

Maximum value of SAR (measured) = 0.138 W/kg

**RHS/Touch\_802.11b\_ch 6\_Chain 1/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

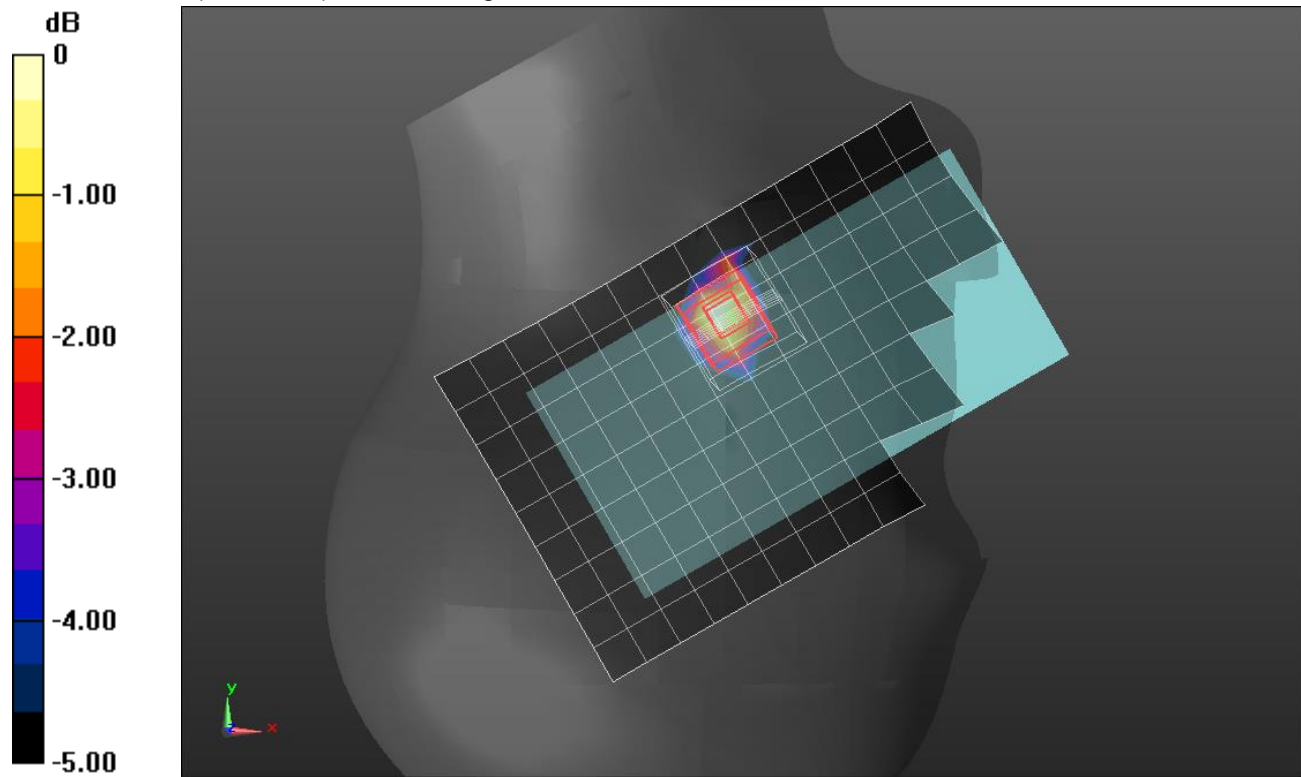
Reference Value = 8.429 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.194 W/kg

**SAR(1 g) = 0.086 W/kg; SAR(10 g) = 0.038 W/kg**

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

Maximum value of SAR (measured) = 0.125 W/kg



0 dB = 0.125 W/kg = -9.03 dBW/kg

## Wi-Fi 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;  $\sigma = 1.908$  S/m;  $\epsilon_r = 52.566$ ;  $\rho = 1000$  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 (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

**Front/802.11b\_ch 6\_15mm\_Chain 1/Area Scan (10x17x1):** Measurement grid: dx=12mm, dy=12mm

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

Maximum value of SAR (measured) = 0.00737 W/kg

**Front/802.11b\_ch 6\_15mm\_Chain 1/Zoom Scan (9x9x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

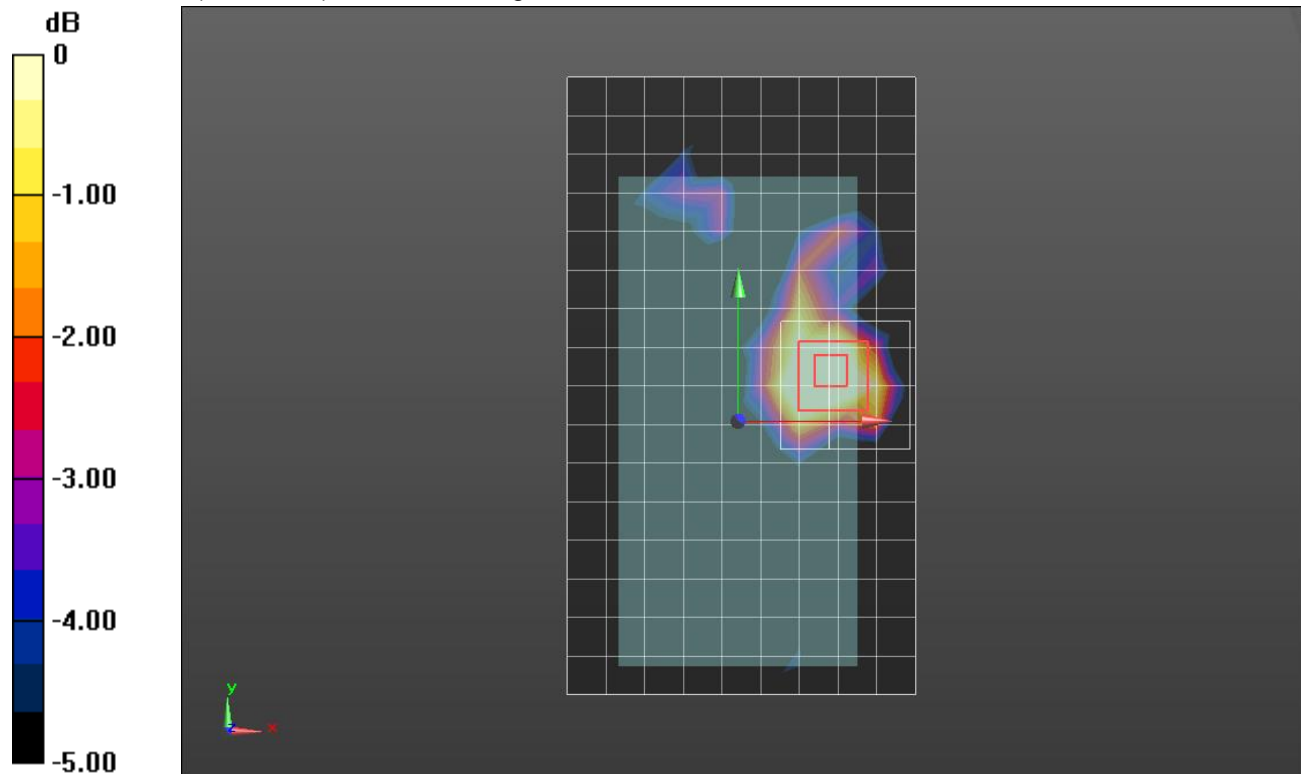
Reference Value = 1.204 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.0100 W/kg

**SAR(1 g) = 0.00148 W/kg; SAR(10 g) = 0.000266 W/kg**

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

Maximum value of SAR (measured) = 0.00513 W/kg



0 dB = 0.00513 W/kg = -22.90 dBW/kg

## Wi-Fi 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;  $\sigma = 1.908$  S/m;  $\epsilon_r = 52.566$ ;  $\rho = 1000$  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 (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

**Edge 2/802.11b\_ch 6\_10mm Chain 1/Area Scan (9x17x1):** Measurement grid: dx=12mm, dy=12mm

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

Maximum value of SAR (measured) = 0.0184 W/kg

**Edge 2/802.11b\_ch 6\_10mm Chain 1/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.717 V/m; Power Drift = 0.20 dB

Peak SAR (extrapolated) = 0.0170 W/kg

**SAR(1 g) = 0.00785 W/kg; SAR(10 g) = 0.00209 W/kg**

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

Maximum value of SAR (measured) = 0.0139 W/kg

**Edge 2/802.11b\_ch 6\_10mm Chain 1/Zoom Scan 2 (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

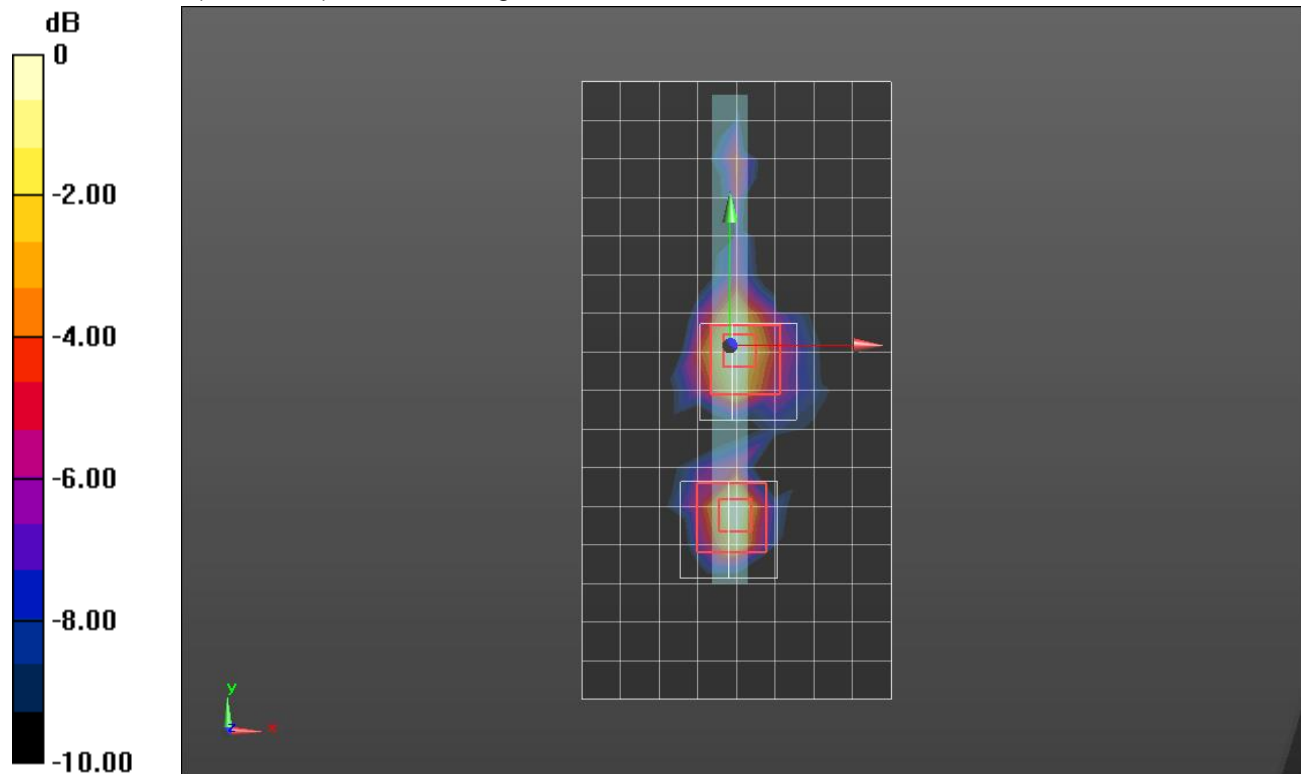
Reference Value = 2.717 V/m; Power Drift = 0.20 dB

Peak SAR (extrapolated) = 0.0210 W/kg

**SAR(1 g) = 0.00721 W/kg; SAR(10 g) = 0.00219 W/kg**

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

Maximum value of SAR (measured) = 0.0148 W/kg



0 dB = 0.0148 W/kg = -18.30 dBW/kg

## Wi-Fi 5.2GHz

Frequency: 5240 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used:  $f = 5240 \text{ MHz}$ ;  $\sigma = 4.503 \text{ S/m}$ ;  $\epsilon_r = 35.798$ ;  $\rho = 1000 \text{ kg/m}^3$

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(5.35, 5.35, 5.35); Calibrated: 8/23/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (20deg probe tilt); Type: QD000P40CD; Serial: 1629

**RHS/Tilt\_802.11a\_Ch 48\_Chain 0/Area Scan (11x19x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.588 W/kg

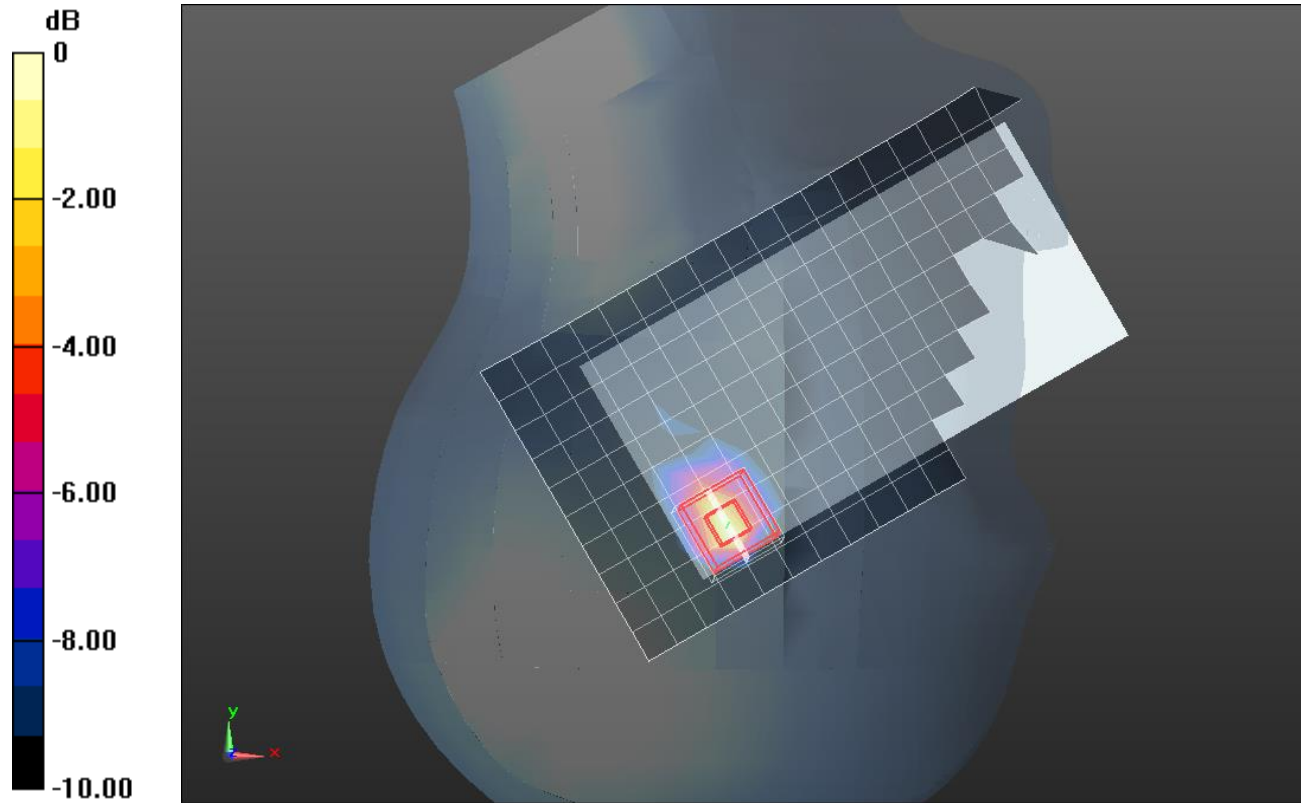
**RHS/Tilt\_802.11a\_Ch 48\_Chain 0/Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 8.290 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 1.05 W/kg

**SAR(1 g) = 0.249 W/kg; SAR(10 g) = 0.072 W/kg**

Maximum value of SAR (measured) = 0.622 W/kg



0 dB = 0.622 W/kg = -2.06 dBW/kg

## Wi-Fi 5.2GHz

Frequency: 5240 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used:  $f = 5240 \text{ MHz}$ ;  $\sigma = 5.398 \text{ S/m}$ ;  $\epsilon_r = 48.142$ ;  $\rho = 1000 \text{ kg/m}^3$

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

**Rear/802.11a\_Ch 48/Chain 0/15mm/Area Scan (13x20x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.0555 W/kg

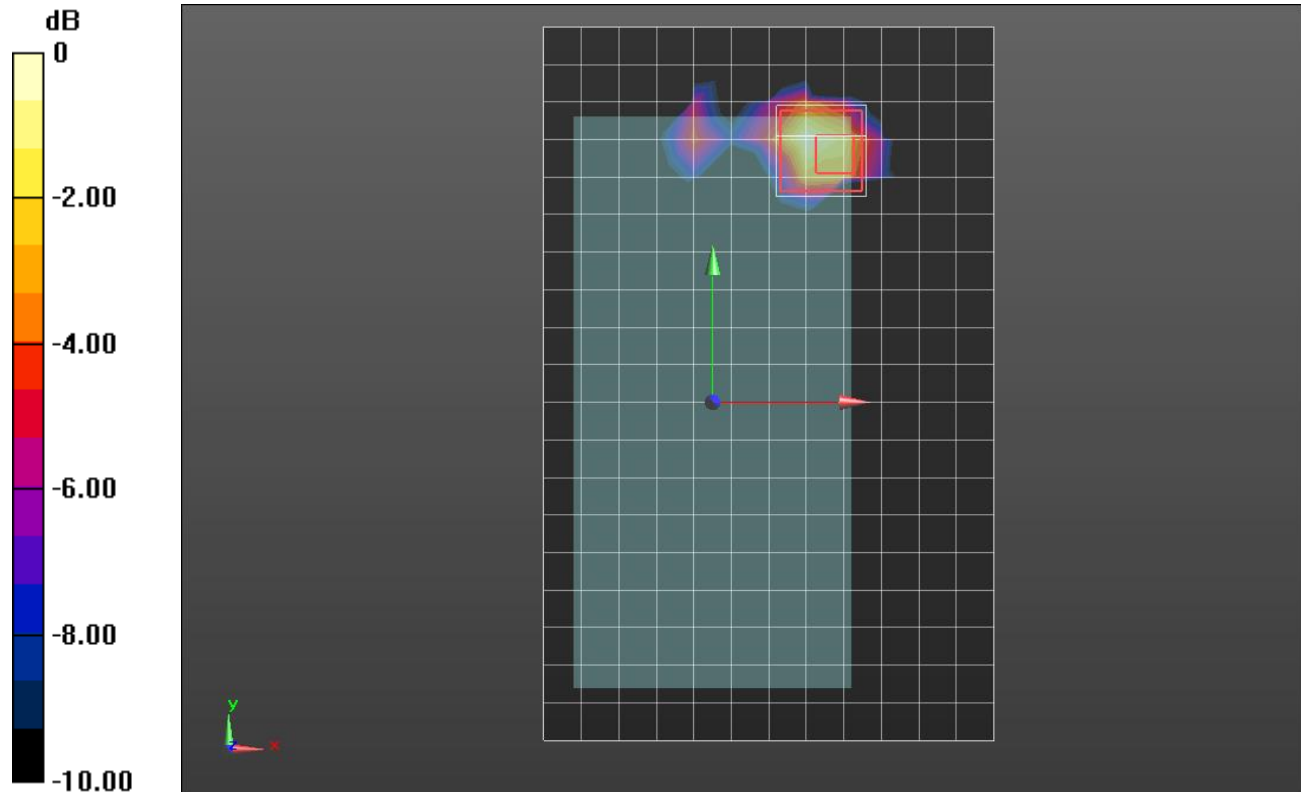
**Rear/802.11a\_Ch 48/Chain 0/15mm/Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 2.690 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.0910 W/kg

**SAR(1 g) = 0.023 W/kg; SAR(10 g) = 0.00885 W/kg**

Maximum value of SAR (measured) = 0.0546 W/kg



0 dB = 0.0546 W/kg = -12.63 dBW/kg

## Wi-Fi 5.3GHz

Frequency: 5300 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used:  $f = 5300 \text{ MHz}$ ;  $\sigma = 4.55 \text{ S/m}$ ;  $\epsilon_r = 35.408$ ;  $\rho = 1000 \text{ kg/m}^3$

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(5.35, 5.35, 5.35); Calibrated: 8/23/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (20deg probe tilt); Type: QD000P40CD; Serial: 1629

**LHS/Touch\_802.11a\_Ch 60\_Chain 1/Area Scan (11x19x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.275 W/kg

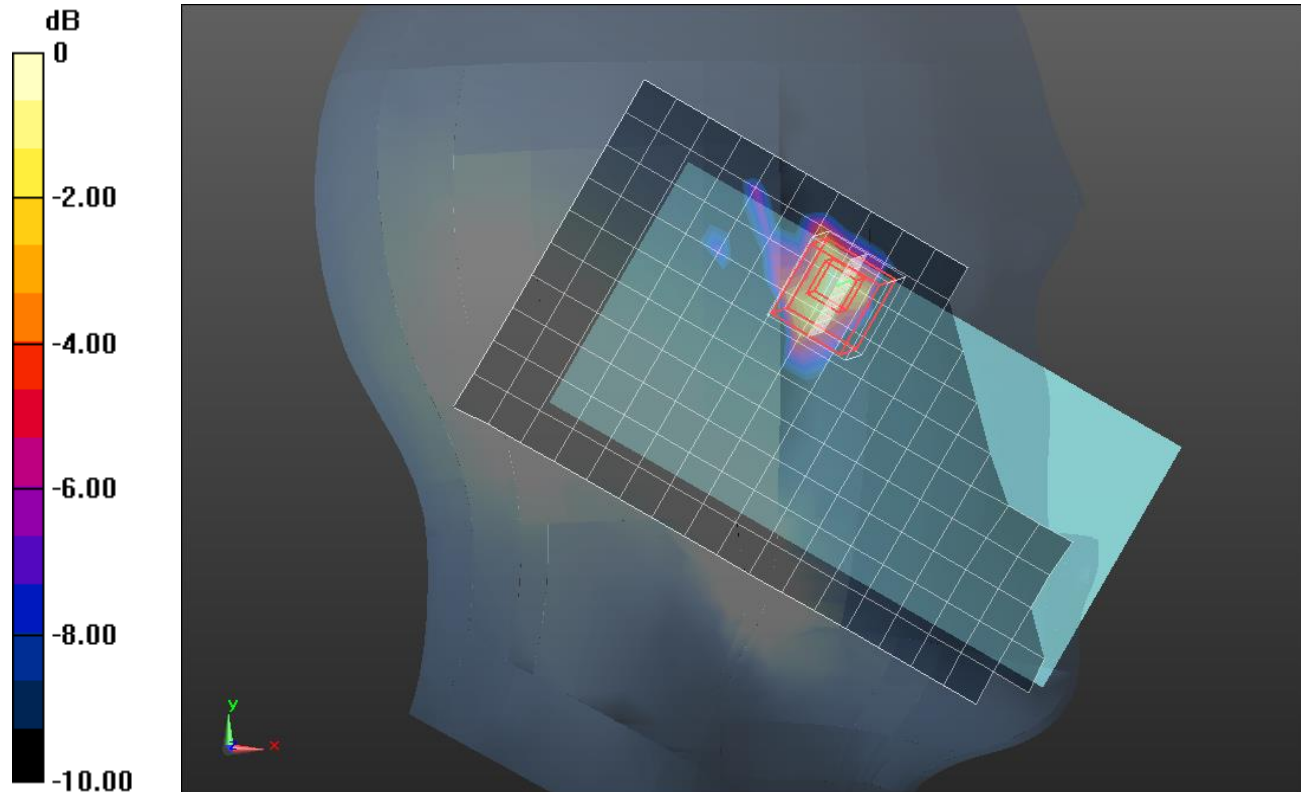
**LHS/Touch\_802.11a\_Ch 60\_Chain 1/Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 6.755 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.528 W/kg

**SAR(1 g) = 0.118 W/kg; SAR(10 g) = 0.038 W/kg**

Maximum value of SAR (measured) = 0.310 W/kg



0 dB = 0.310 W/kg = -5.09 dBW/kg



## Wi-Fi 5.3GHz

Frequency: 5300 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

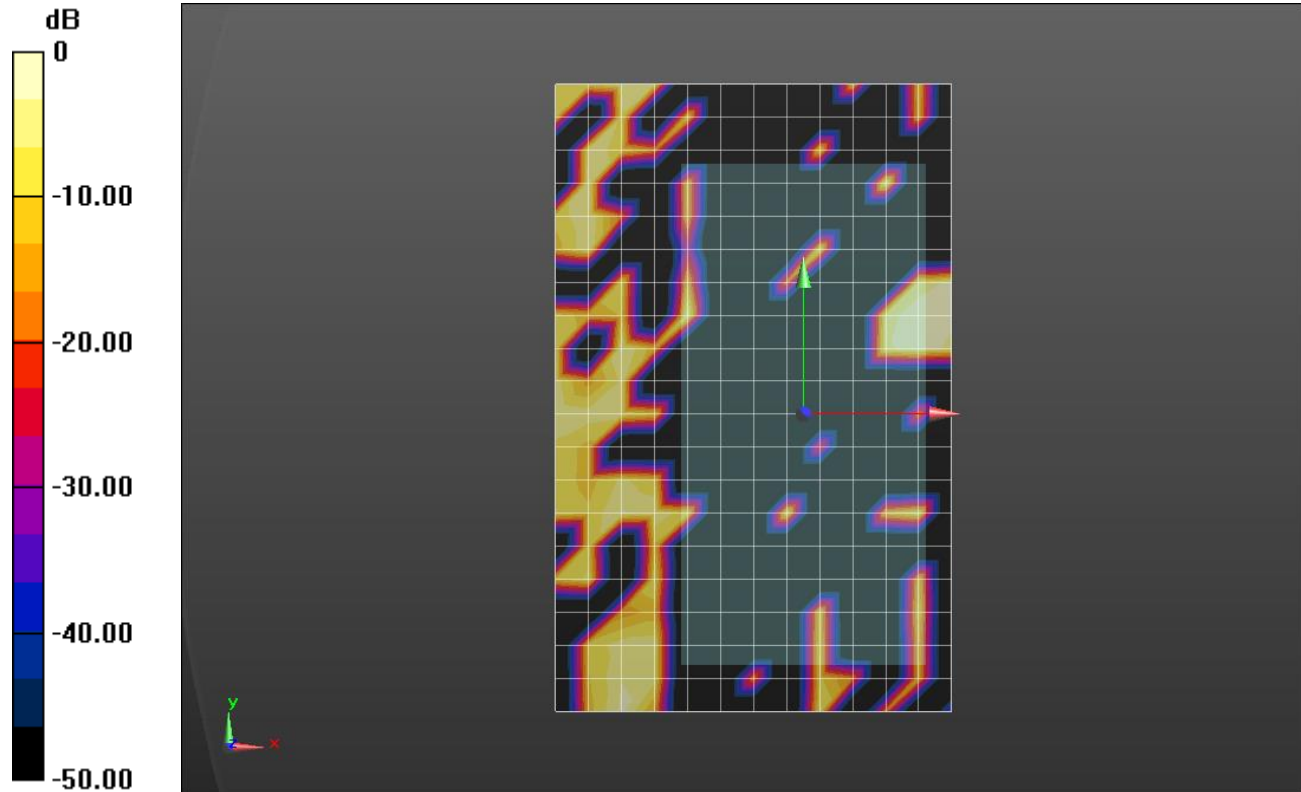
Medium parameters used:  $f = 5300 \text{ MHz}$ ;  $\sigma = 5.477 \text{ S/m}$ ;  $\epsilon_r = 48.026$ ;  $\rho = 1000 \text{ kg/m}^3$

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 60/Chain 1/15mm/Area Scan (13x20x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.0159 W/kg



0 dB = 0.0159 W/kg = -17.99 dBW/kg

## Wi-Fi 5.2GHz

Frequency: 5240 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used:  $f = 5240 \text{ MHz}$ ;  $\sigma = 5.398 \text{ S/m}$ ;  $\epsilon_r = 48.142$ ;  $\rho = 1000 \text{ kg/m}^3$

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 48/Chain 0/0mm/Area Scan (13x20x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.25 W/kg

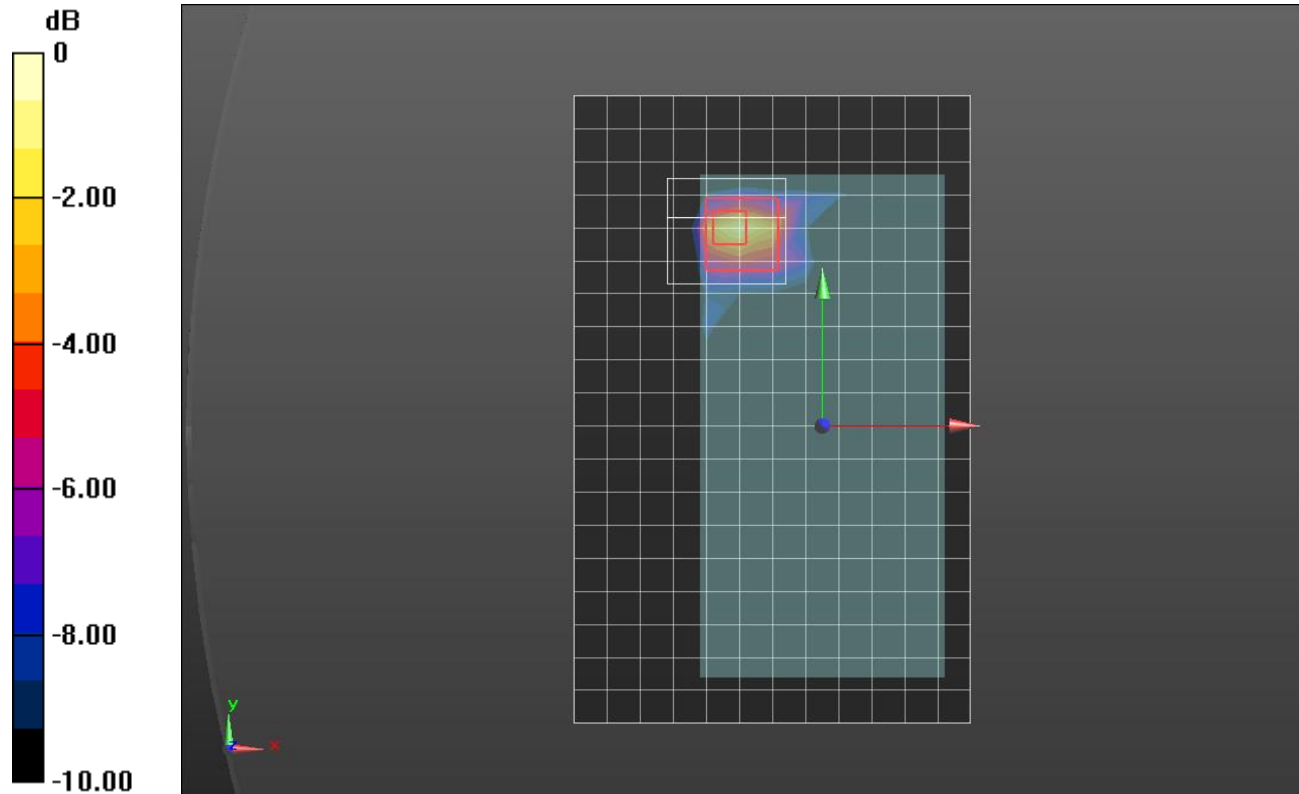
**Front/802.11a\_Ch 48/Chain 0/0mm/Zoom Scan (10x9x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 13.56 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 2.96 W/kg

**SAR(1 g) = 0.561 W/kg; SAR(10 g) = 0.169 W/kg**

Maximum value of SAR (measured) = 1.46 W/kg



0 dB = 1.46 W/kg = 1.64 dBW/kg

## Wi-Fi 5.3GHz

Frequency: 5300 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used:  $f = 5300 \text{ MHz}$ ;  $\sigma = 5.477 \text{ S/m}$ ;  $\epsilon_r = 48.026$ ;  $\rho = 1000 \text{ kg/m}^3$

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 60/Chain 1/0mm/Area Scan (13x20x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.13 W/kg

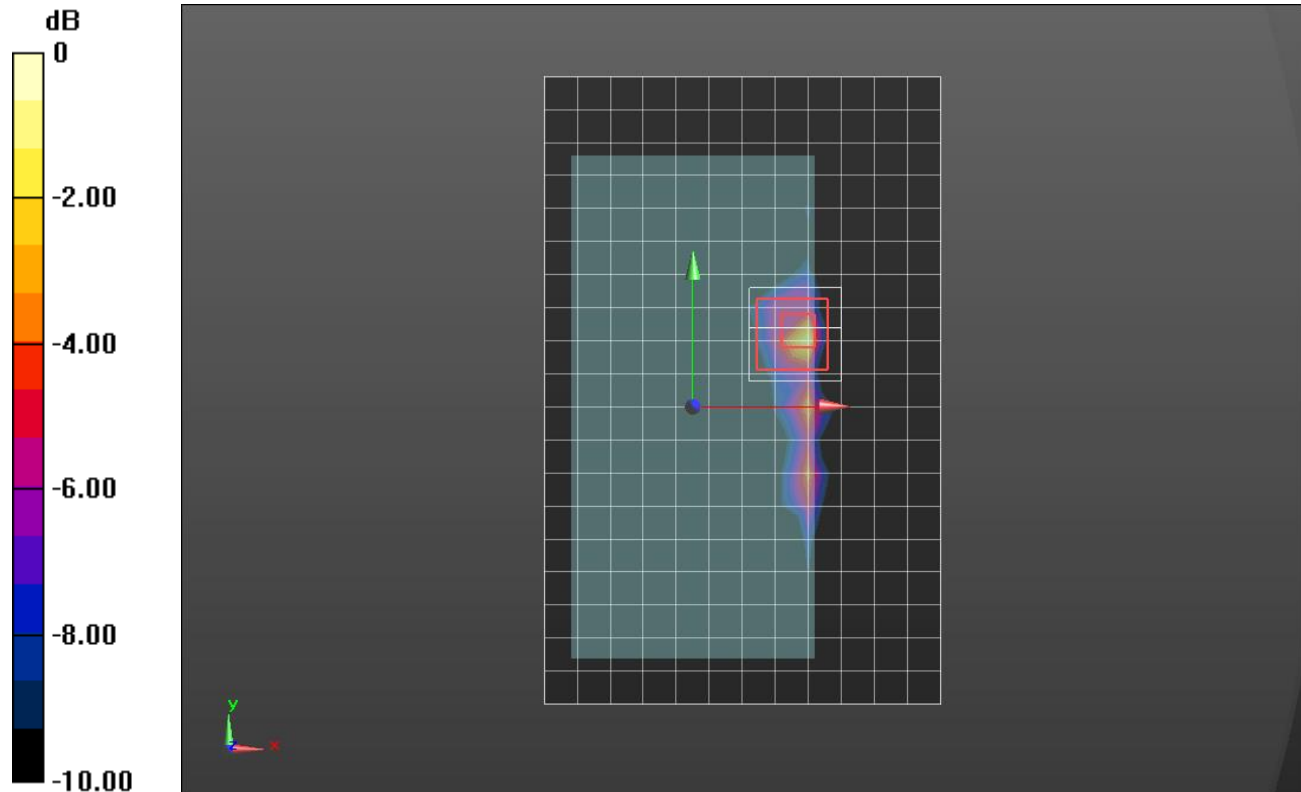
**Front/802.11a\_Ch 60/Chain 1/0mm/Zoom Scan (8x8x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 11.90 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 2.88 W/kg

**SAR(1 g) = 0.419 W/kg; SAR(10 g) = 0.108 W/kg**

Maximum value of SAR (measured) = 1.33 W/kg



0 dB = 1.33 W/kg = 1.24 dBW/kg

## Wi-Fi 5.6GHz

Frequency: 5610 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used (interpolated):  $f = 5610 \text{ MHz}$ ;  $\sigma = 4.867 \text{ S/m}$ ;  $\epsilon_r = 35.179$ ;  $\rho = 1000 \text{ kg/m}^3$

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(4.92, 4.92, 4.92); Calibrated: 8/23/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (20deg probe tilt); Type: QD000P40CD; Serial: 1629

### RHS/Touch\_802.11ac VHT80\_Ch 122\_Chain 0/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) = 0.697 W/kg

### RHS/Touch\_802.11ac VHT80\_Ch 122\_Chain 0/Zoom Scan (7x7x12)/Cube 0: Measurement grid:

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

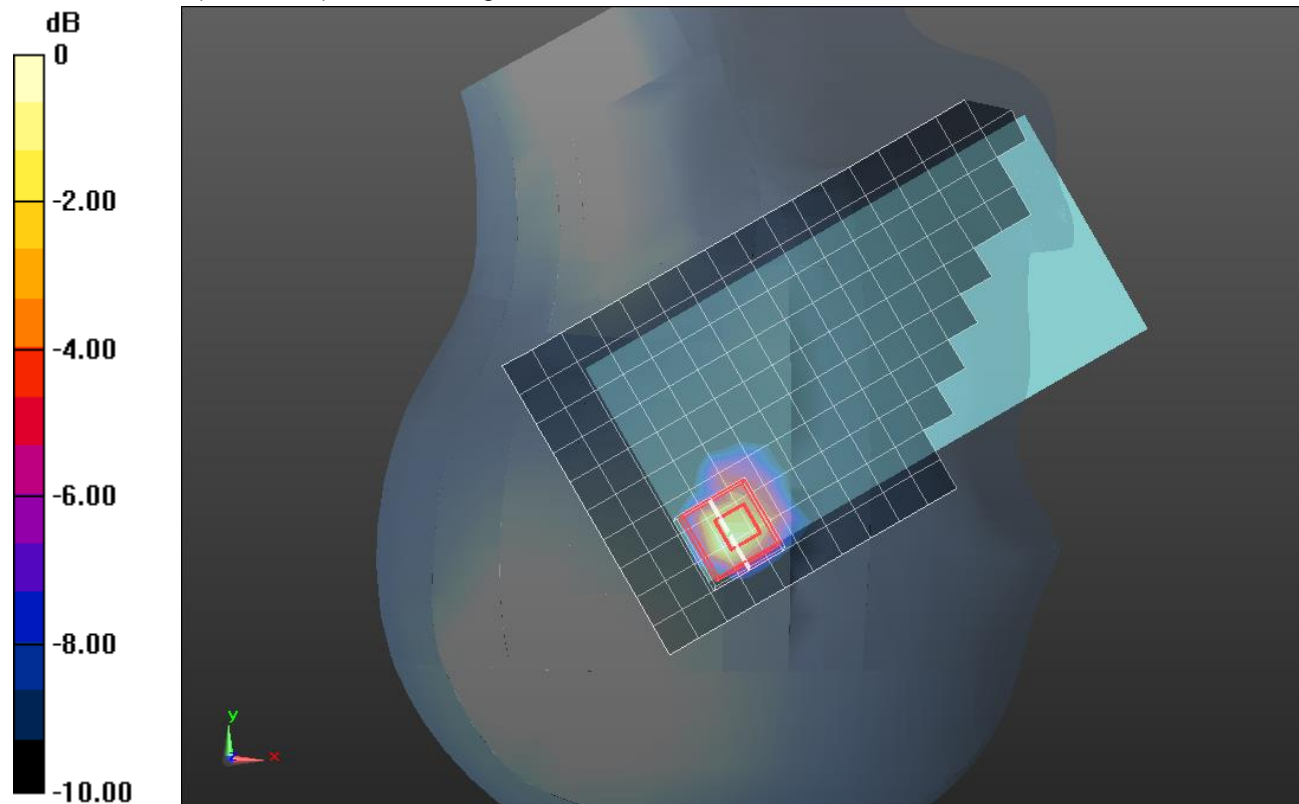
Reference Value = 8.087 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 1.43 W/kg

**SAR(1 g) = 0.311 W/kg; SAR(10 g) = 0.086 W/kg**

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

Maximum value of SAR (measured) = 0.745 W/kg



0 dB = 0.745 W/kg = -1.28 dBW/kg

## Wi-Fi 5.6GHz

Frequency: 5610 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used (interpolated):  $f = 5610 \text{ MHz}$ ;  $\sigma = 5.741 \text{ S/m}$ ;  $\epsilon_r = 47.628$ ;  $\rho = 1000 \text{ kg/m}^3$

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(4.1, 4.1, 4.1); 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 VHT80\_Ch 122\_Chain 0\_15mm/Area Scan (13x20x1): Measurement grid:

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

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

Maximum value of SAR (measured) = 0.0782 W/kg

### Rear/802.11ac VHT80\_Ch 122\_Chain 0\_15mm/Zoom Scan (7x7x12)/Cube 0: Measurement grid:

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

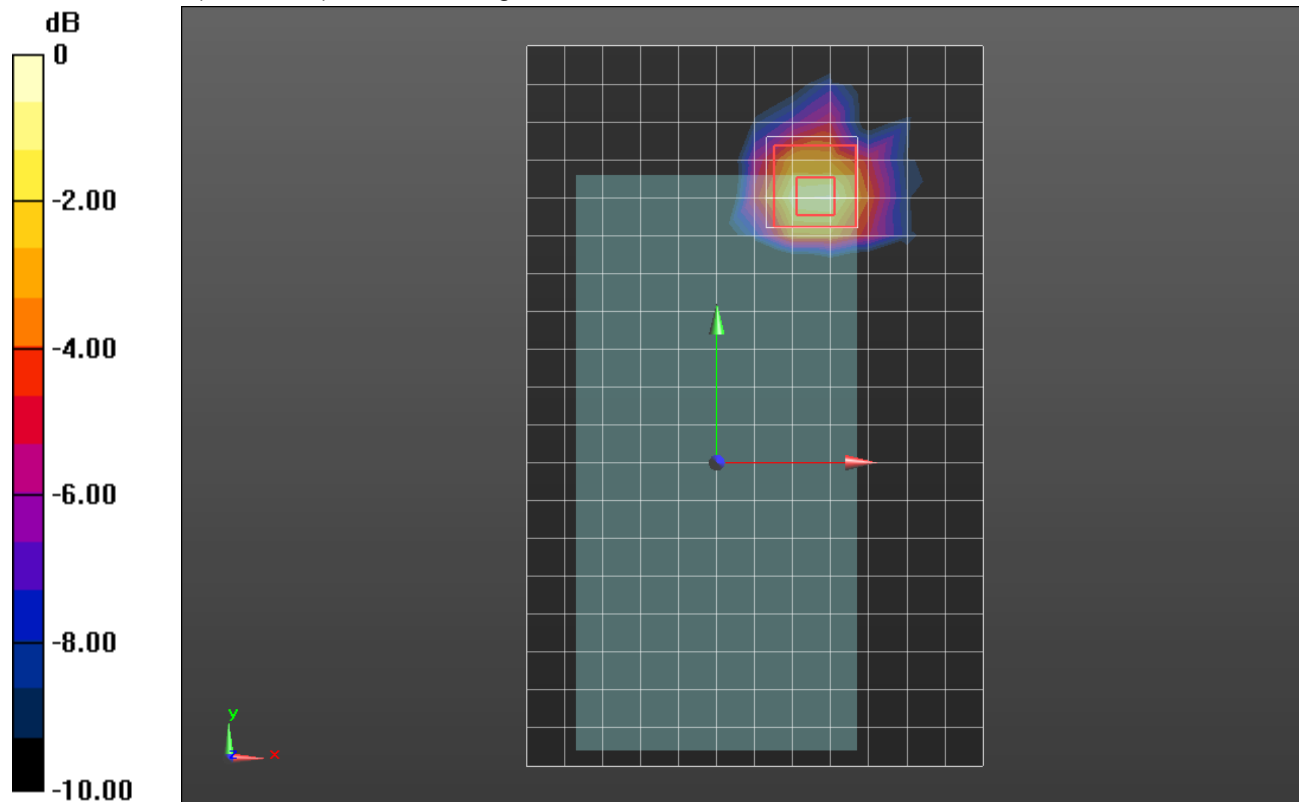
Reference Value = 2.987 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.159 W/kg

**SAR(1 g) = 0.037 W/kg; SAR(10 g) = 0.014 W/kg**

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

Maximum value of SAR (measured) = 0.0881 W/kg



0 dB = 0.0881 W/kg = -10.55 dBW/kg

## Wi-Fi 5.6GHz

Frequency: 5530 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used:  $f = 5530 \text{ MHz}$ ;  $\sigma = 4.774 \text{ S/m}$ ;  $\epsilon_r = 35.122$ ;  $\rho = 1000 \text{ kg/m}^3$

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(4.92, 4.92, 4.92); Calibrated: 8/23/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (20deg probe tilt); Type: QD000P40CD; Serial: 1629

**LHS/Touch\_802.11ac VHT80\_Ch 106\_Chain 1/Area Scan (11x19x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.426 W/kg

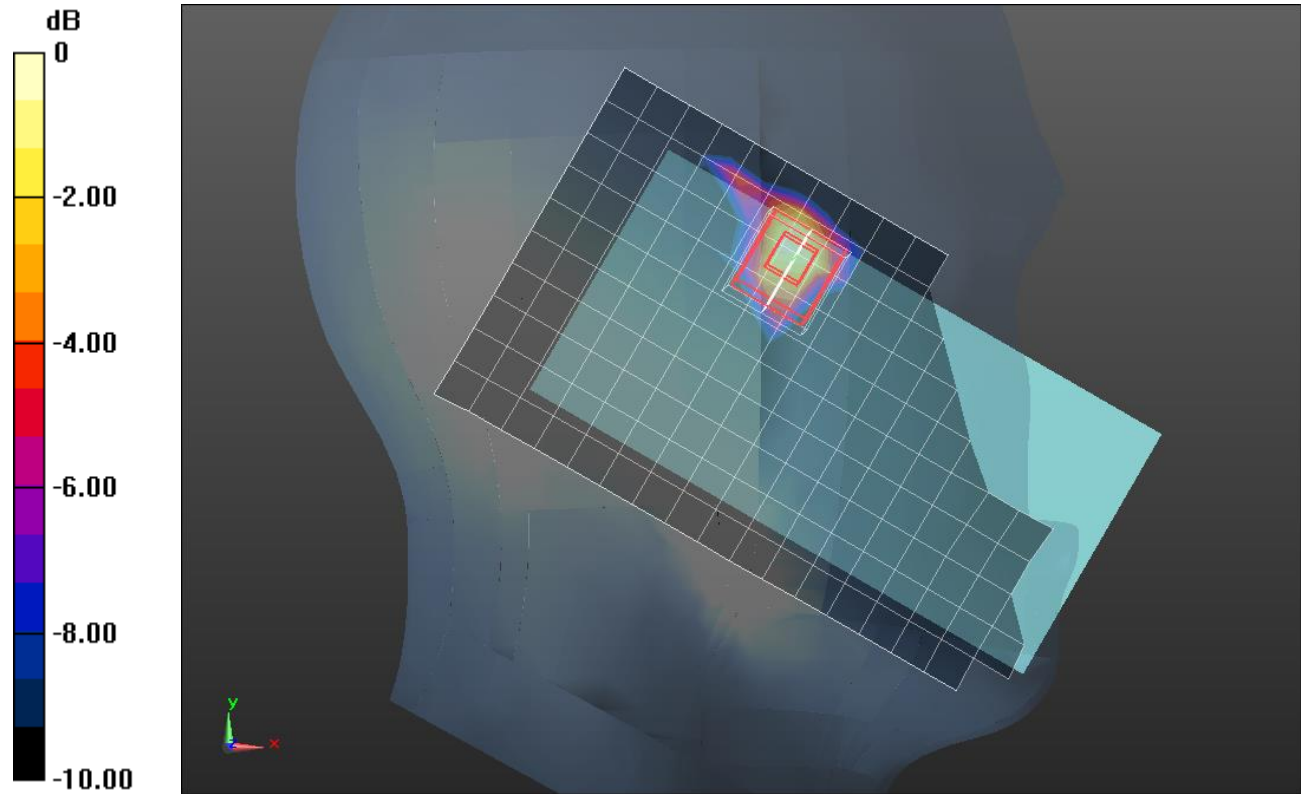
**LHS/Touch\_802.11ac VHT80\_Ch 106\_Chain 1/Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 7.573 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.726 W/kg

**SAR(1 g) = 0.186 W/kg; SAR(10 g) = 0.059 W/kg**

Maximum value of SAR (measured) = 0.449 W/kg



0 dB = 0.449 W/kg = -3.48 dBW/kg

## Wi-Fi 5.6GHz

Frequency: 5530 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used:  $f = 5530 \text{ MHz}$ ;  $\sigma = 5.672 \text{ S/m}$ ;  $\epsilon_r = 47.921$ ;  $\rho = 1000 \text{ kg/m}^3$

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(4.1, 4.1, 4.1); 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/802.11ac VHT80\_Ch 106\_Chain 1\_15mm/Area Scan (13x20x1): Measurement grid:

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

Maximum value of SAR (measured) = 0.0225 W/kg

### Front/802.11ac VHT80\_Ch 106\_Chain 1\_15mm/Zoom Scan (9x9x12)/Cube 0: Measurement

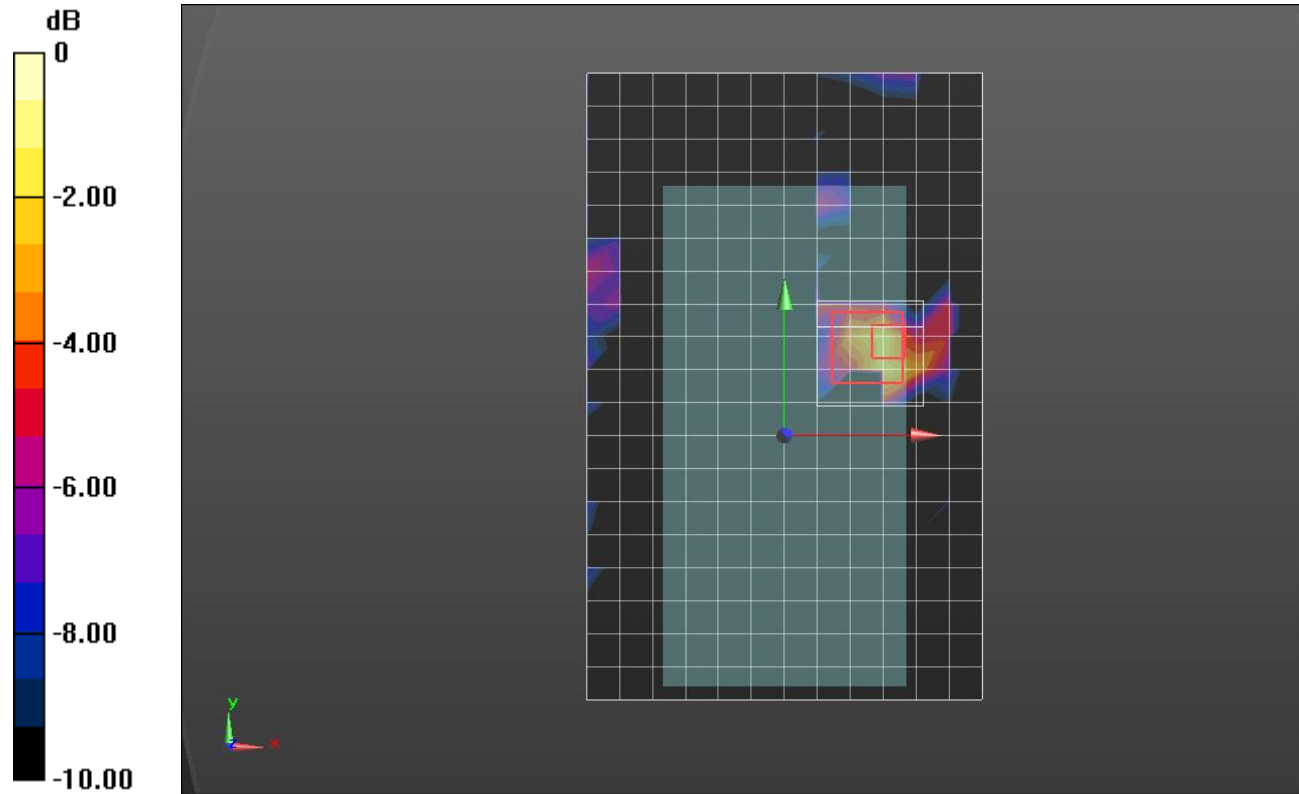
grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=2\text{mm}$

Reference Value = 1.549 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.0820 W/kg

**SAR(1 g) = 0.00723 W/kg; SAR(10 g) = 0.00215 W/kg**

Maximum value of SAR (measured) = 0.0302 W/kg



0 dB = 0.0302 W/kg = -15.20 dBW/kg

## Wi-Fi 5.6GHz

Frequency: 5610 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used (interpolated):  $f = 5610$  MHz;  $\sigma = 5.741$  S/m;  $\epsilon_r = 47.628$ ;  $\rho = 1000$  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)
- Phantom: ELI V5.0 Slot 1/2; Type: QD OVA 002 Ax; Serial: 1119

**Front/802.11ac VHT80\_Ch 122\_Chain 0\_0mm/Area Scan (12x20x1):** Measurement grid: dx=10mm, dy=10mm

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

Maximum value of SAR (measured) = 1.82 W/kg

**Front/802.11ac VHT80\_Ch 122\_Chain 0\_0mm/Zoom Scan (10x9x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

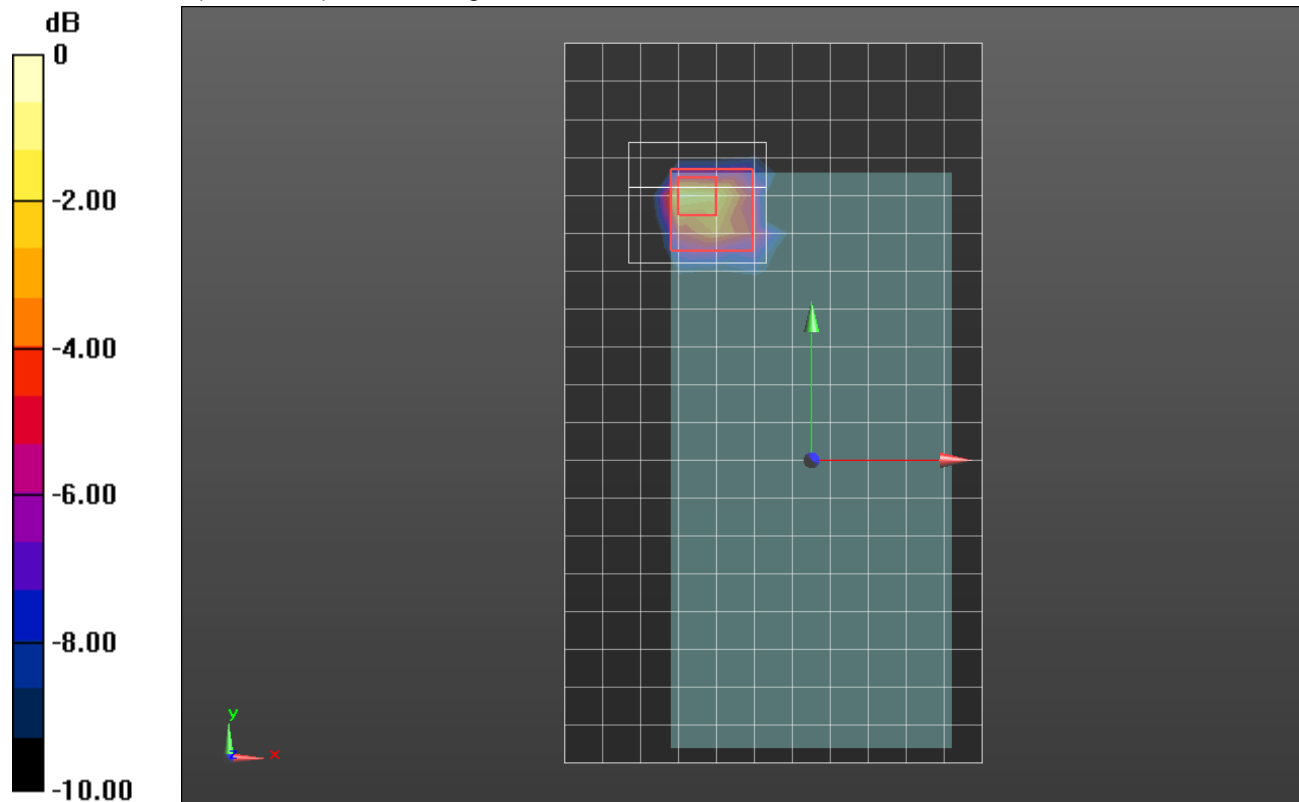
Reference Value = 15.02 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 4.75 W/kg

**SAR(1 g) = 0.859 W/kg; SAR(10 g) = 0.259 W/kg**

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

Maximum value of SAR (measured) = 2.27 W/kg



0 dB = 2.27 W/kg = 3.56 dBW/kg



## Wi-Fi 5.6GHz

Frequency: 5530 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used:  $f = 5530 \text{ MHz}$ ;  $\sigma = 5.672 \text{ S/m}$ ;  $\epsilon_r = 47.921$ ;  $\rho = 1000 \text{ kg/m}^3$

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(4.1, 4.1, 4.1); 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/802.11ac VHT80\_Ch 106\_Chain 1\_0mm/Area Scan (13x20x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.01 W/kg

**Front/802.11ac VHT80\_Ch 106\_Chain 1\_0mm/Zoom Scan (9x9x12)/Cube 0:** Measurement grid:

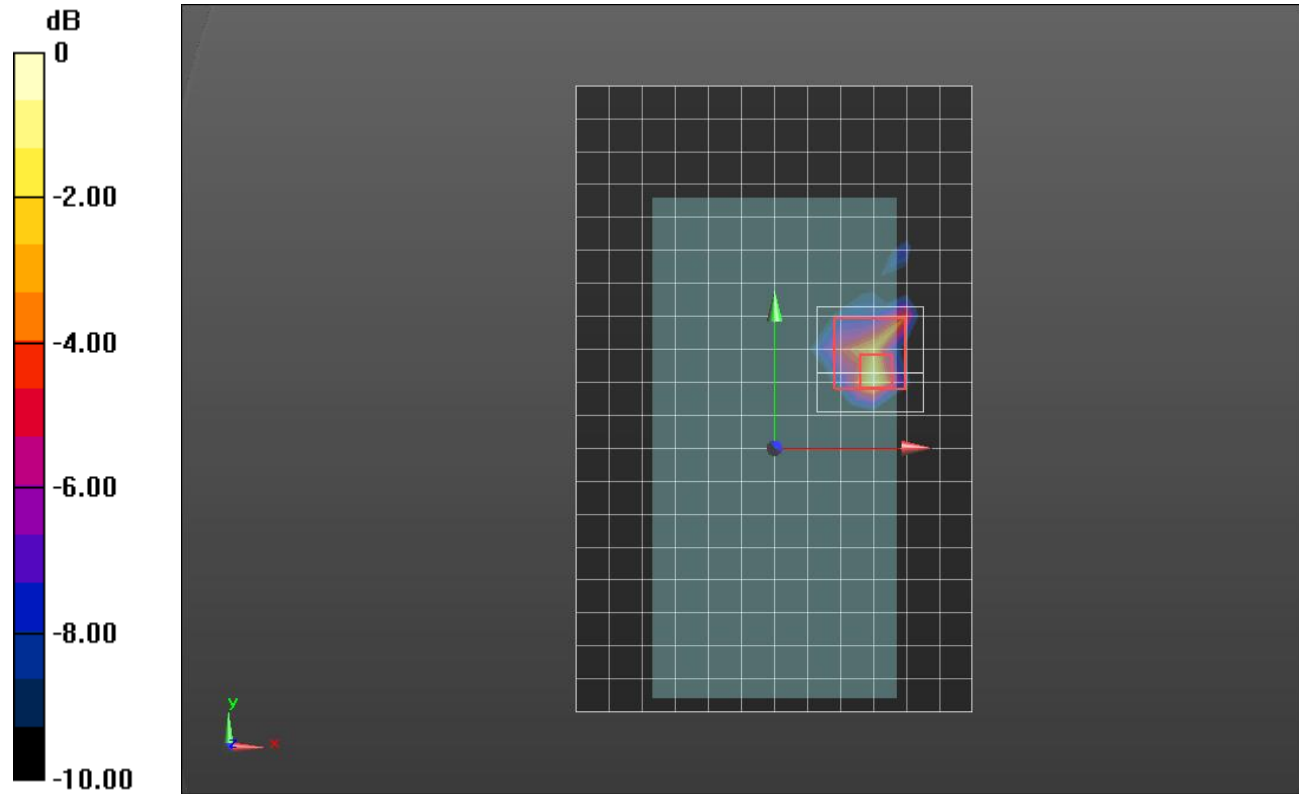
dx=4mm, dy=4mm, dz=2mm

Reference Value = 11.51 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 4.12 W/kg

**SAR(1 g) = 0.388 W/kg; SAR(10 g) = 0.121 W/kg**

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



0 dB = 1.12 W/kg = 0.49 dBW/kg

## Wi-Fi 5.8GHz

Frequency: 5775 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used:  $f = 5775 \text{ MHz}$ ;  $\sigma = 5.049 \text{ S/m}$ ;  $\epsilon_r = 35.026$ ;  $\rho = 1000 \text{ kg/m}^3$

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(5.2, 5.2, 5.2); Calibrated: 8/23/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (20deg probe tilt); Type: QD000P40CD; Serial: 1629

### RHS/Touch\_802.11ac VHT80\_Ch 155\_Chain 0/Area Scan (11x19x1): Measurement grid:

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

Maximum value of SAR (measured) = 0.508 W/kg

### RHS/Touch\_802.11ac VHT80\_Ch 155\_Chain 0/Zoom Scan (7x7x12)/Cube 0: Measurement grid:

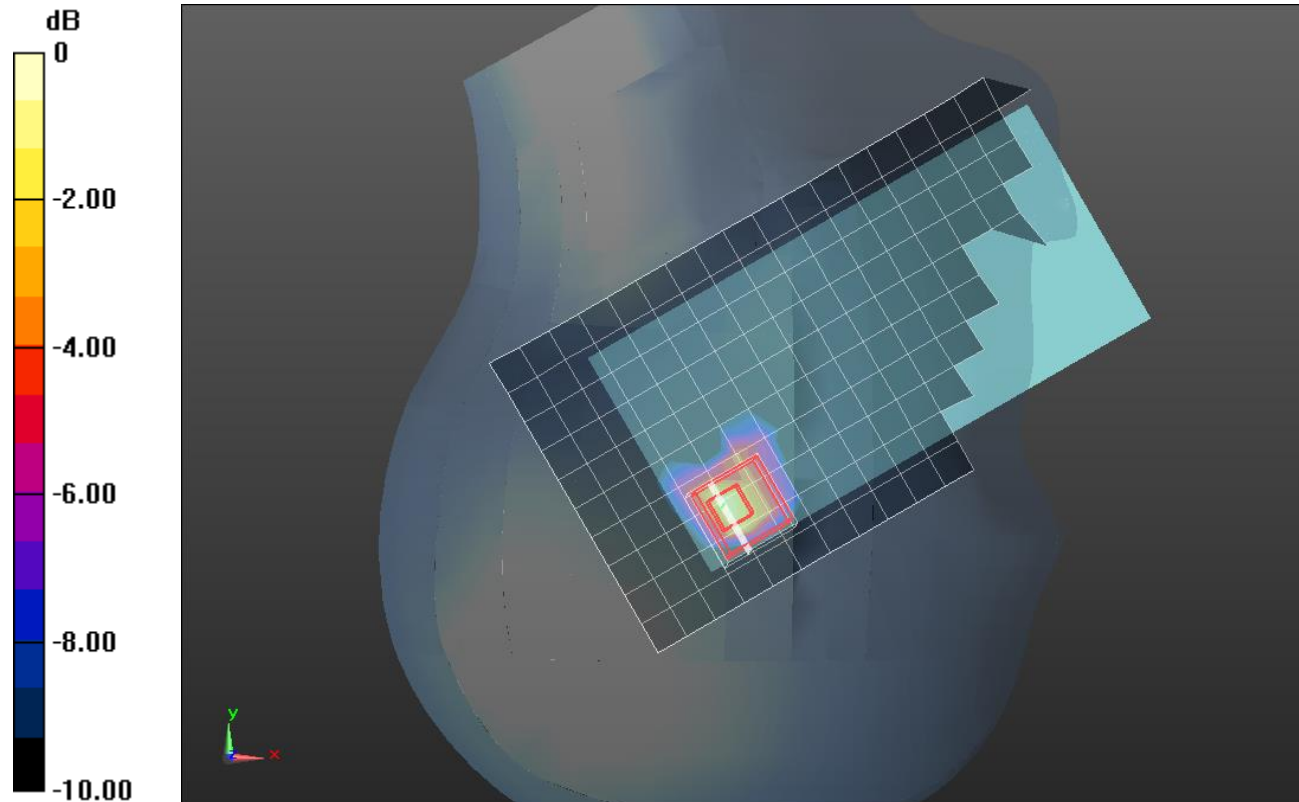
$dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=2\text{mm}$

Reference Value = 8.412 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 1.08 W/kg

**SAR(1 g) = 0.233 W/kg; SAR(10 g) = 0.074 W/kg**

Maximum value of SAR (measured) = 0.574 W/kg



0 dB = 0.574 W/kg = -2.41 dBW/kg

## Wi-Fi 5.8GHz

Frequency: 5775 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used:  $f = 5775 \text{ MHz}$ ;  $\sigma = 5.929 \text{ S/m}$ ;  $\epsilon_r = 47.153$ ;  $\rho = 1000 \text{ kg/m}^3$

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

**Rear/802.11ac\_Ch 155\_Chain 0\_15mm/Area Scan (13x20x1):** Measurement grid: dx=10mm, dy=10mm  
 Maximum value of SAR (measured) = 0.0652 W/kg

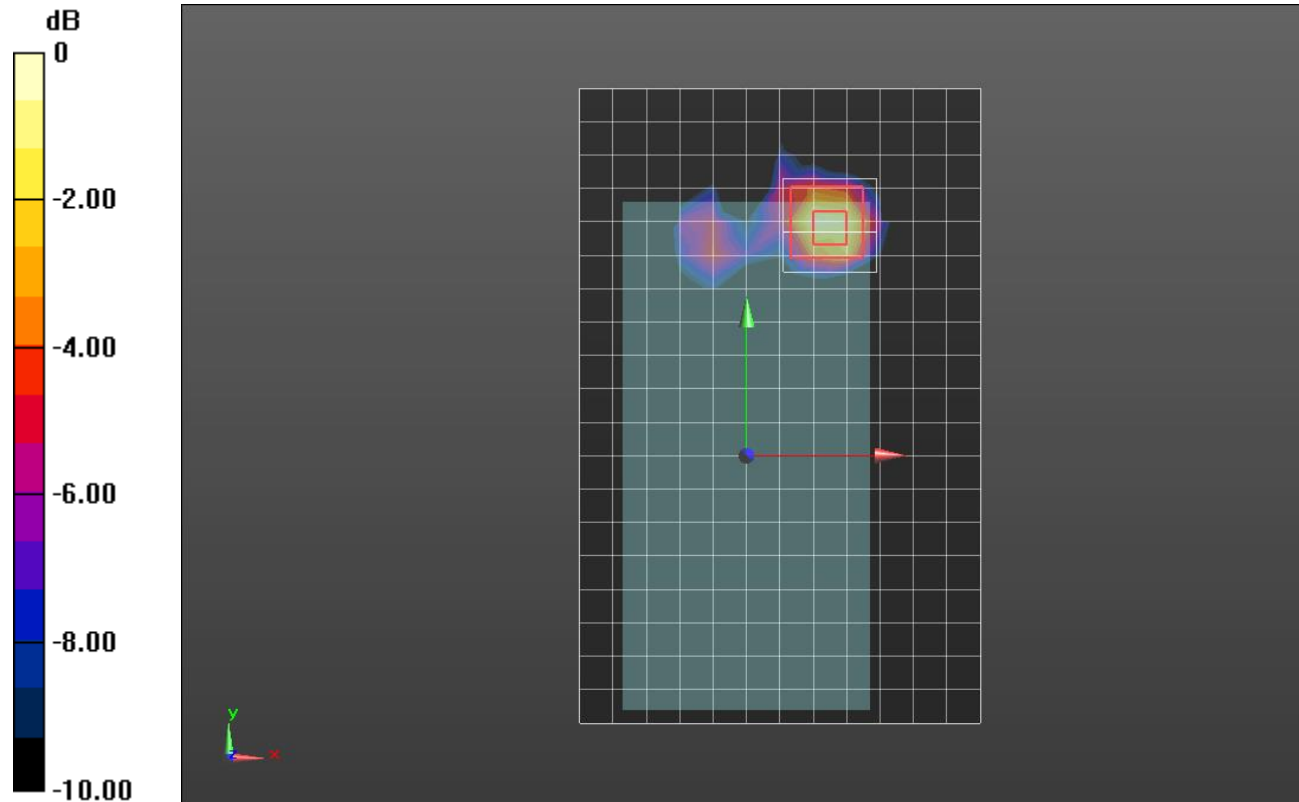
**Rear/802.11ac\_Ch 155\_Chain 0\_15mm/Zoom Scan (8x8x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 2.968 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.231 W/kg

**SAR(1 g) = 0.023 W/kg; SAR(10 g) = 0.00679 W/kg**

Maximum value of SAR (measured) = 0.0692 W/kg



0 dB = 0.0692 W/kg = -11.60 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:  $f = 5825 \text{ MHz}$ ;  $\sigma = 5.083 \text{ S/m}$ ;  $\epsilon_r = 34.753$ ;  $\rho = 1000 \text{ kg/m}^3$

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(5.2, 5.2, 5.2); Calibrated: 8/23/2017;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (20deg probe tilt); Type: QD000P40CD; Serial: 1629

**RHS/Touch\_802.11a\_Ch 165\_Chain 1/Area Scan (12x19x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.108 W/kg

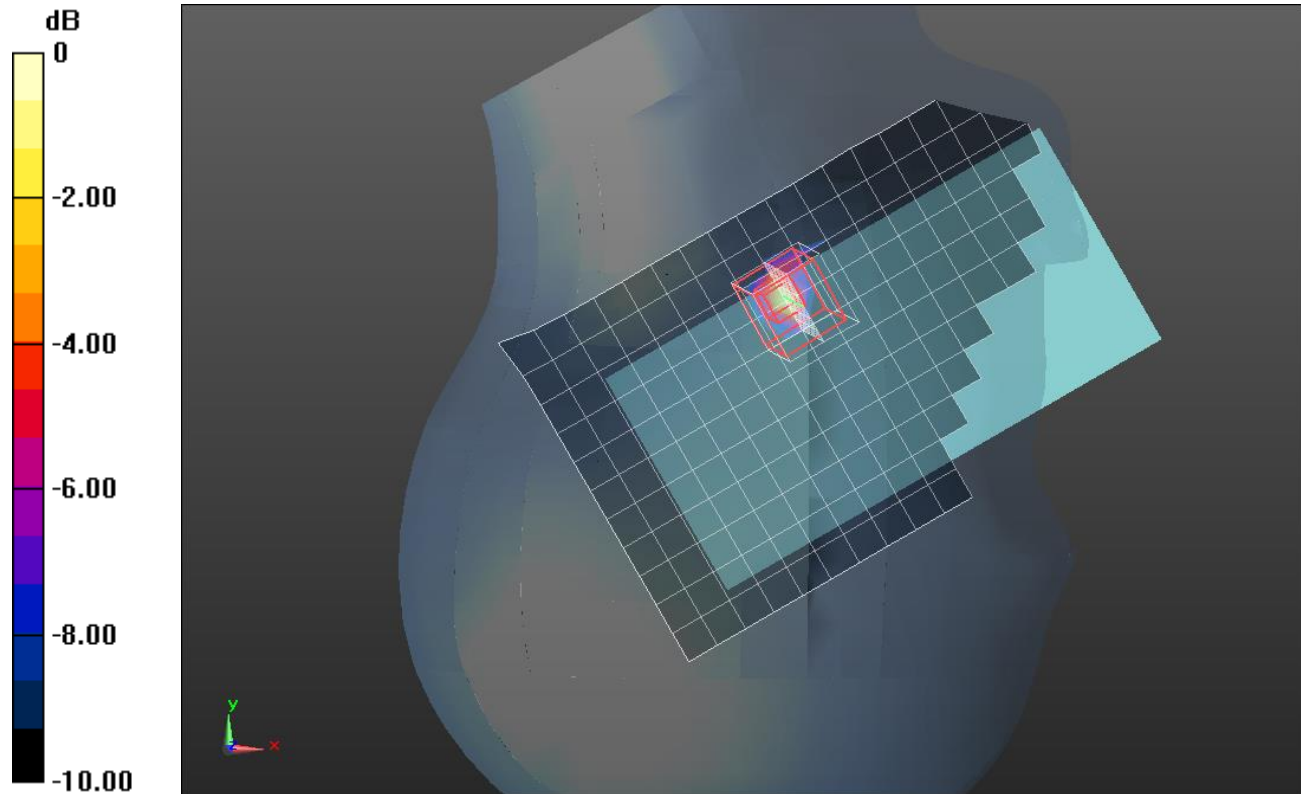
**RHS/Touch\_802.11a\_Ch 165\_Chain 1/Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 4.145 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.209 W/kg

**SAR(1 g) = 0.038 W/kg; SAR(10 g) = 0.00825 W/kg**

Maximum value of SAR (measured) = 0.122 W/kg



0 dB = 0.122 W/kg = -9.14 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:  $f = 5825 \text{ MHz}$ ;  $\sigma = 6.095 \text{ S/m}$ ;  $\epsilon_r = 47.499$ ;  $\rho = 1000 \text{ kg/m}^3$

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

**Rear/802.11a\_Ch 165\_Chain 1\_15mm/Area Scan (13x20x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.0258 W/kg

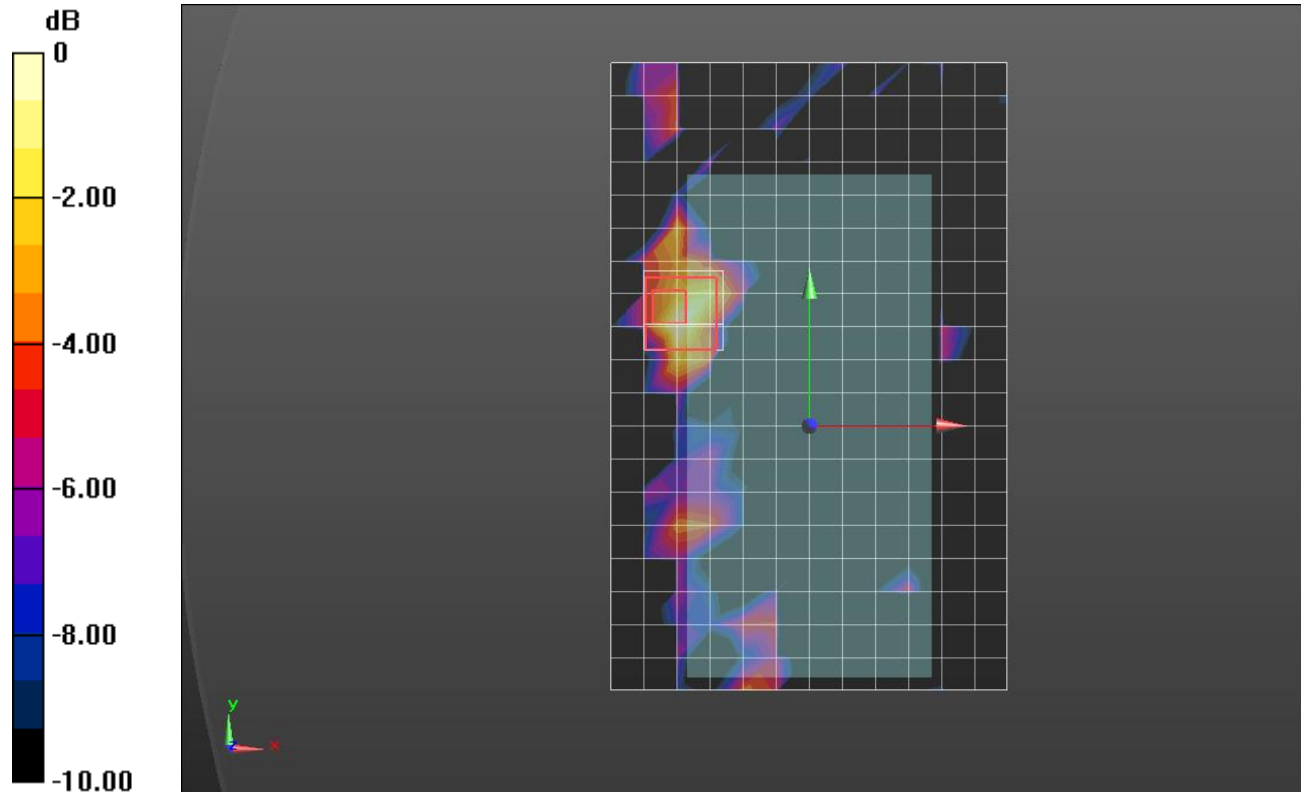
**Rear/802.11a\_Ch 165\_Chain 1\_15mm/Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0.7520 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.0240 W/kg

**SAR(1 g) = 0.00888 W/kg; SAR(10 g) = 0.00378 W/kg**

Maximum value of SAR (measured) = 0.0235 W/kg



0 dB = 0.0235 W/kg = -16.29 dBW/kg

## Wi-Fi 5GHz 5.8GHz

Frequency: 5775 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used:  $f = 5775 \text{ MHz}$ ;  $\sigma = 5.929 \text{ S/m}$ ;  $\epsilon_r = 47.153$ ;  $\rho = 1000 \text{ kg/m}^3$

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/802.11ac\_Ch 155\_Chain 0\_0mm/Area Scan (12x20x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.926 W/kg

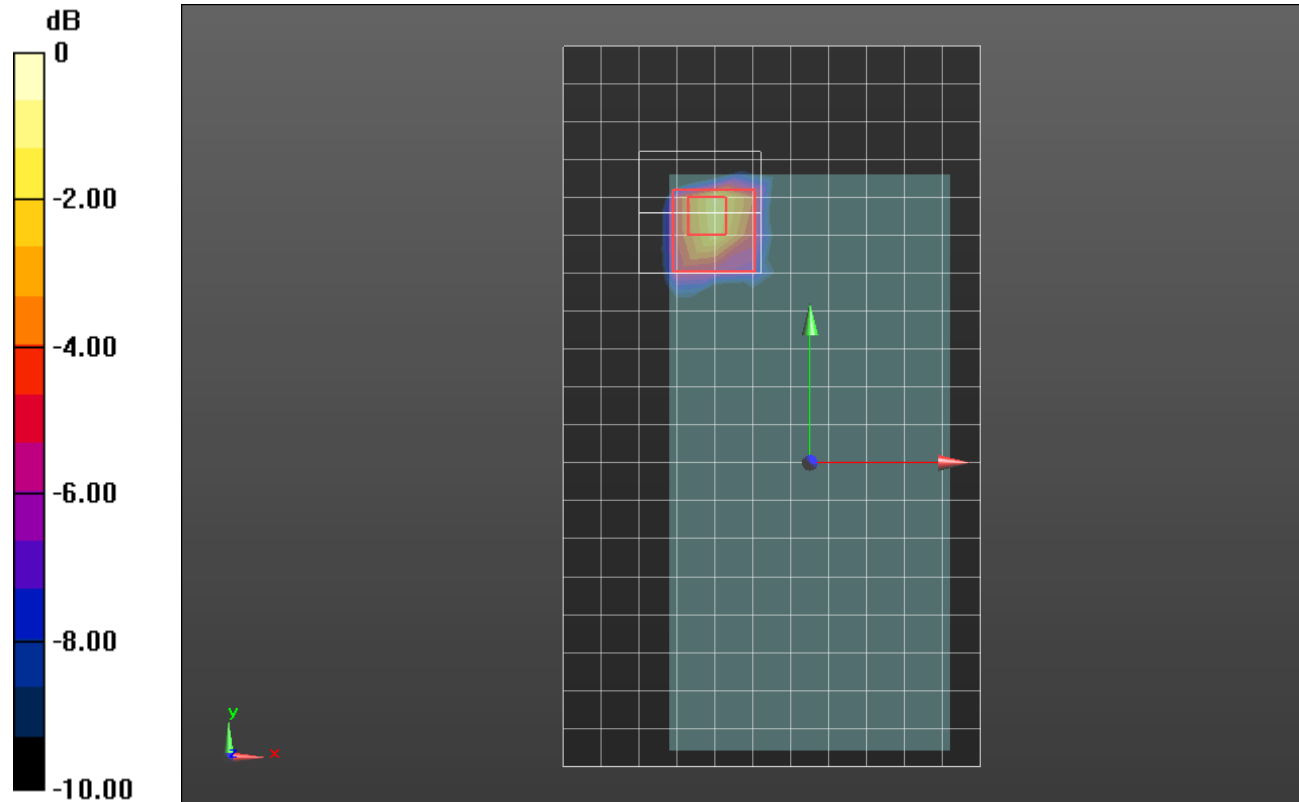
**Front/802.11ac\_Ch 155\_Chain 0\_0mm/Zoom Scan (9x9x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 10.78 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 4.15 W/kg

**SAR(1 g) = 0.457 W/kg; SAR(10 g) = 0.131 W/kg**

Maximum value of SAR (measured) = 1.22 W/kg



0 dB = 1.22 W/kg = 0.86 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:  $f = 5825 \text{ MHz}$ ;  $\sigma = 6.095 \text{ S/m}$ ;  $\epsilon_r = 47.499$ ;  $\rho = 1000 \text{ kg/m}^3$

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 1\_0mm/Area Scan (13x20x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.737 W/kg

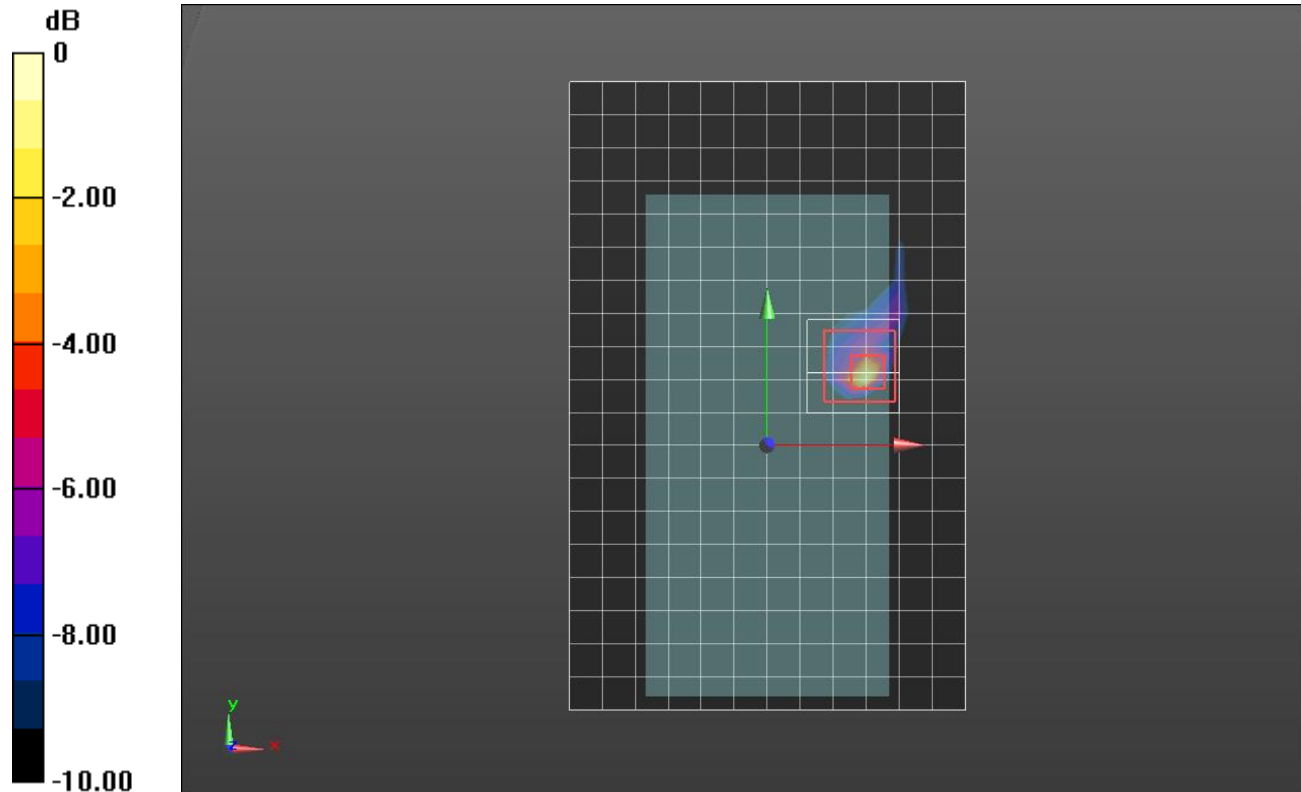
**Front/802.11a\_Ch 165\_Chain 1\_0mm/Zoom Scan (8x8x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 9.179 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 2.26 W/kg

**SAR(1 g) = 0.249 W/kg; SAR(10 g) = 0.062 W/kg**

Maximum value of SAR (measured) = 0.812 W/kg



0 dB = 0.812 W/kg = -0.90 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;  $\sigma = 1.765$  S/m;  $\epsilon_r = 39.335$ ;  $\rho = 1000$  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 (10x17x1):** Measurement grid: dx=12mm, dy=12mm

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

Maximum value of SAR (measured) = 0.242 W/kg

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

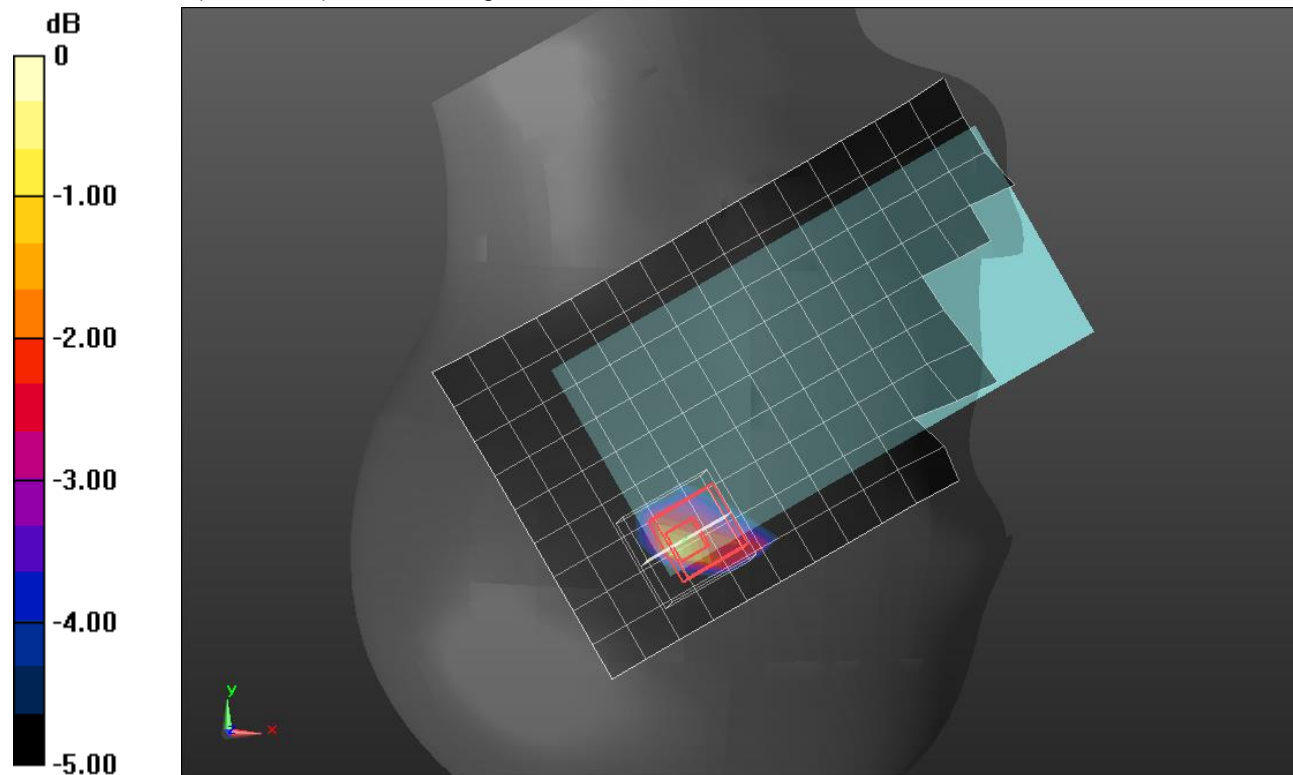
Reference Value = 9.832 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.383 W/kg

**SAR(1 g) = 0.145 W/kg; SAR(10 g) = 0.066 W/kg**

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

Maximum value of SAR (measured) = 0.280 W/kg



0 dB = 0.280 W/kg = -5.53 dBW/kg