

## WiFi 2.4GHz

Frequency: 2437 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.857$  S/m;  $\epsilon_r = 39.509$ ;  $\rho = 1000$  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 Sn1360; Calibrated: 3/12/2015
- Probe: EX3DV4 - SN3751; ConvF(6.61, 6.61, 6.61); Calibrated: 11/14/2014;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM; Type: QD000PCD; Serial: 1632

**LHS/Touch\_802.11b\_ch 6/Ant B/Area Scan (9x13x1):** Measurement grid: dx=12mm, dy=12mm

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

Maximum value of SAR (measured) = 1.20 W/kg

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

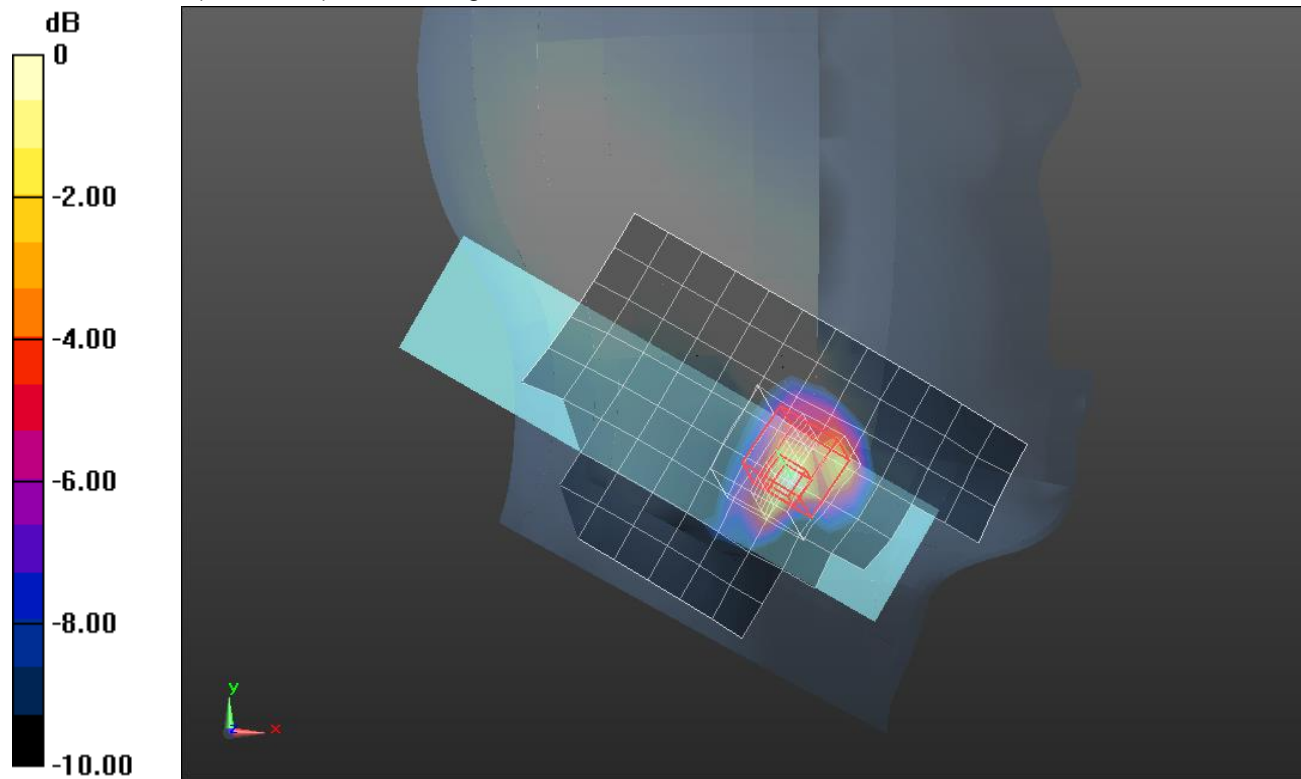
Reference Value = 23.702 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 2.05 W/kg

**SAR(1 g) = 0.681 W/kg; SAR(10 g) = 0.263 W/kg**

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

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



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

## WiFi 2.4GHz

Frequency: 2437 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.857$  S/m;  $\epsilon_r = 39.509$ ;  $\rho = 1000$  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 Sn1360; Calibrated: 3/12/2015
- Probe: EX3DV4 - SN3751; ConvF(6.61, 6.61, 6.61); Calibrated: 11/14/2014;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM; Type: QD000PCD; Serial: 1632

**RHS/Touch\_802.11b\_ch 6/Ant A/Area Scan (9x13x1):** Measurement grid: dx=12mm, dy=12mm

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

Maximum value of SAR (measured) = 0.995 W/kg

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

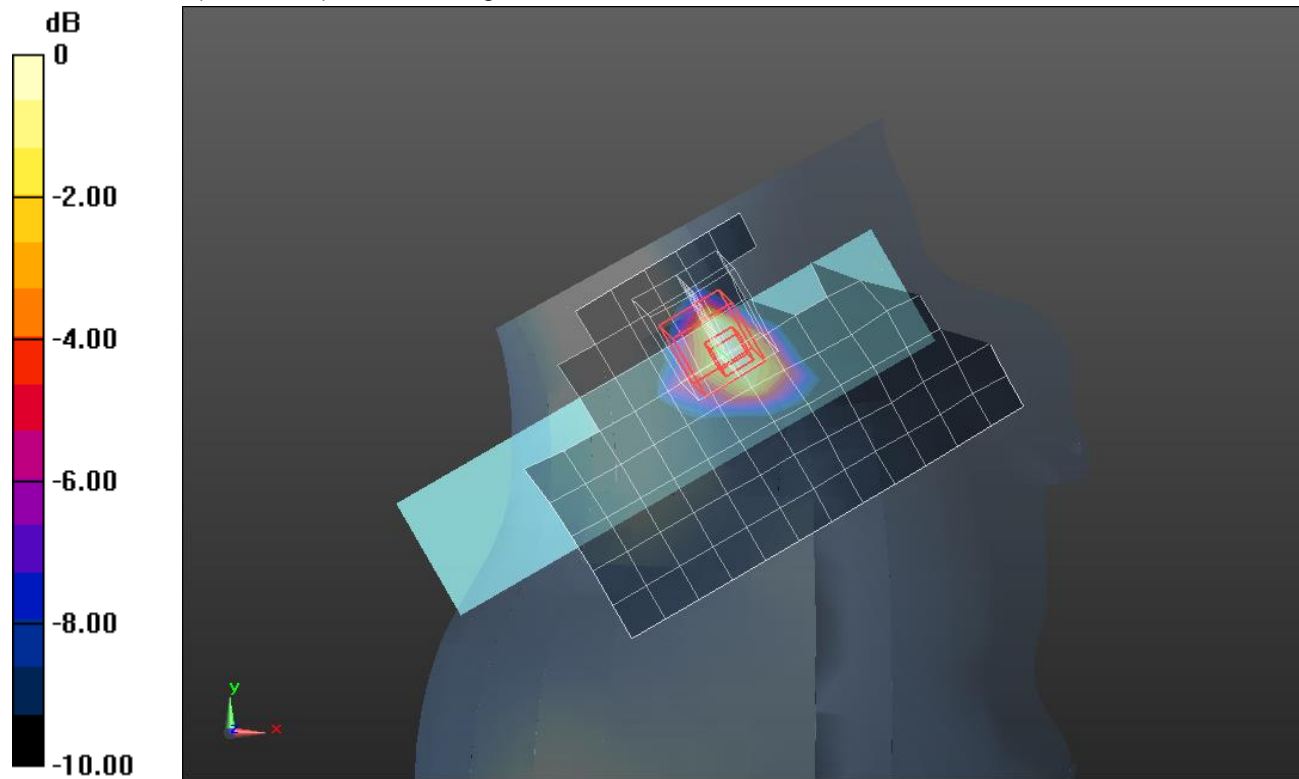
Reference Value = 14.451 V/m; Power Drift = -0.54 dB

Peak SAR (extrapolated) = 1.56 W/kg

**SAR(1 g) = 0.681 W/kg; SAR(10 g) = 0.291 W/kg**

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

Maximum value of SAR (measured) = 0.929 W/kg



0 dB = 0.929 W/kg = -0.32 dBW/kg

## WiFi 5GHz

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

Medium parameters used:  $f = 5270 \text{ MHz}$ ;  $\sigma = 4.499 \text{ S/m}$ ;  $\epsilon_r = 35.622$ ;  $\rho = 1000 \text{ kg/m}^3$

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 Sn1258; Calibrated: 5/14/2015
- Probe: EX3DV4 - SN3989; ConvF(5.3, 5.3, 5.3); Calibrated: 3/17/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: SAM with CRP; Type: SAM;

### LHS PathB/Touch\_802.11n HT40\_Ch 54/Ant B/Area Scan (10x16x1): Measurement grid:

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

Maximum value of SAR (measured) = 1.43 W/kg

### LHS PathB/Touch\_802.11n HT40\_Ch 54/Ant B/Zoom Scan (7x7x12)/Cube 0: Measurement grid:

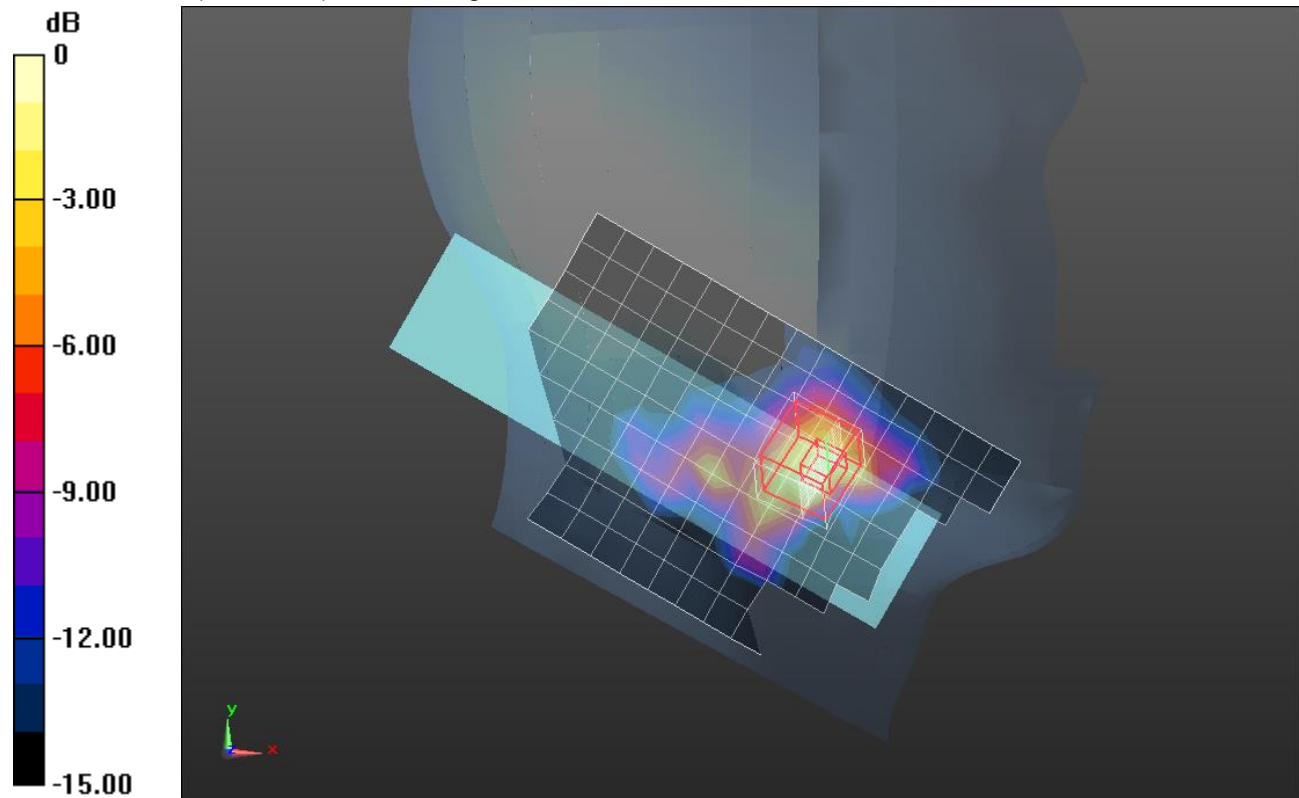
grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=2\text{mm}$

Reference Value = 17.15 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 3.31 W/kg

**SAR(1 g) = 0.851 W/kg; SAR(10 g) = 0.287 W/kg**

Maximum value of SAR (measured) = 1.65 W/kg



0 dB = 1.65 W/kg = 2.17 dBW/kg

## WiFi 5GHz

Frequency: 5270 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used:  $f = 5270 \text{ MHz}$ ;  $\sigma = 4.499 \text{ S/m}$ ;  $\epsilon_r = 35.622$ ;  $\rho = 1000 \text{ kg/m}^3$

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 Sn1258; Calibrated: 5/14/2015
- Probe: EX3DV4 - SN3989; ConvF(5.3, 5.3, 5.3); Calibrated: 3/17/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: SAM with CRP; Type: SAM;

### RHS Path A/Touch\_802.11n HT40\_Ch 54/Ant A/Area Scan (10x15x1): Measurement grid:

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

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

### RHS Path A/Touch\_802.11n HT40\_Ch 54/Ant A/Zoom Scan (7x7x12)/Cube 0: Measurement grid:

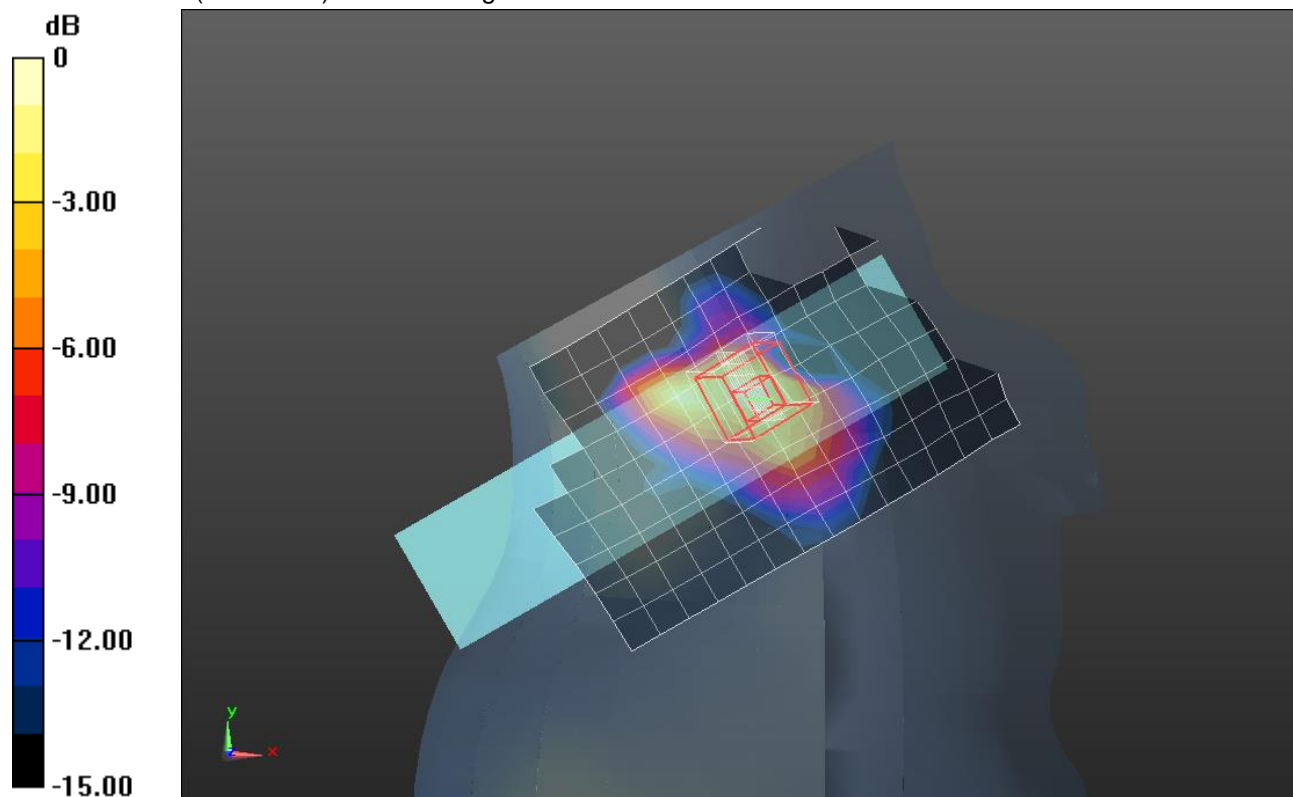
grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=2\text{mm}$

Reference Value = 13.46 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 2.88 W/kg

**SAR(1 g) = 0.425 W/kg; SAR(10 g) = 0.155 W/kg**

Maximum value of SAR (measured) = 0.885 W/kg



0 dB = 0.885 W/kg = -0.53 dBW/kg

## WiFi 5GHz

Frequency: 5610 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used:  $f = 5610 \text{ MHz}$ ;  $\sigma = 4.833 \text{ S/m}$ ;  $\epsilon_r = 35.206$ ;  $\rho = 1000 \text{ kg/m}^3$

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 Sn1258; Calibrated: 5/14/2015
- Probe: EX3DV4 - SN3989; ConvF(4.9, 4.9, 4.9); Calibrated: 3/17/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: SAM with CRP; Type: SAM;

### LHS Path B/Touch\_802.11ac VHT80\_Ch 122/Ant B/Area Scan (10x16x1): Measurement grid:

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

Maximum value of SAR (measured) = 1.66 W/kg

### LHS Path B/Touch\_802.11ac VHT80\_Ch 122/Ant B/Zoom Scan (7x7x12)/Cube 0:

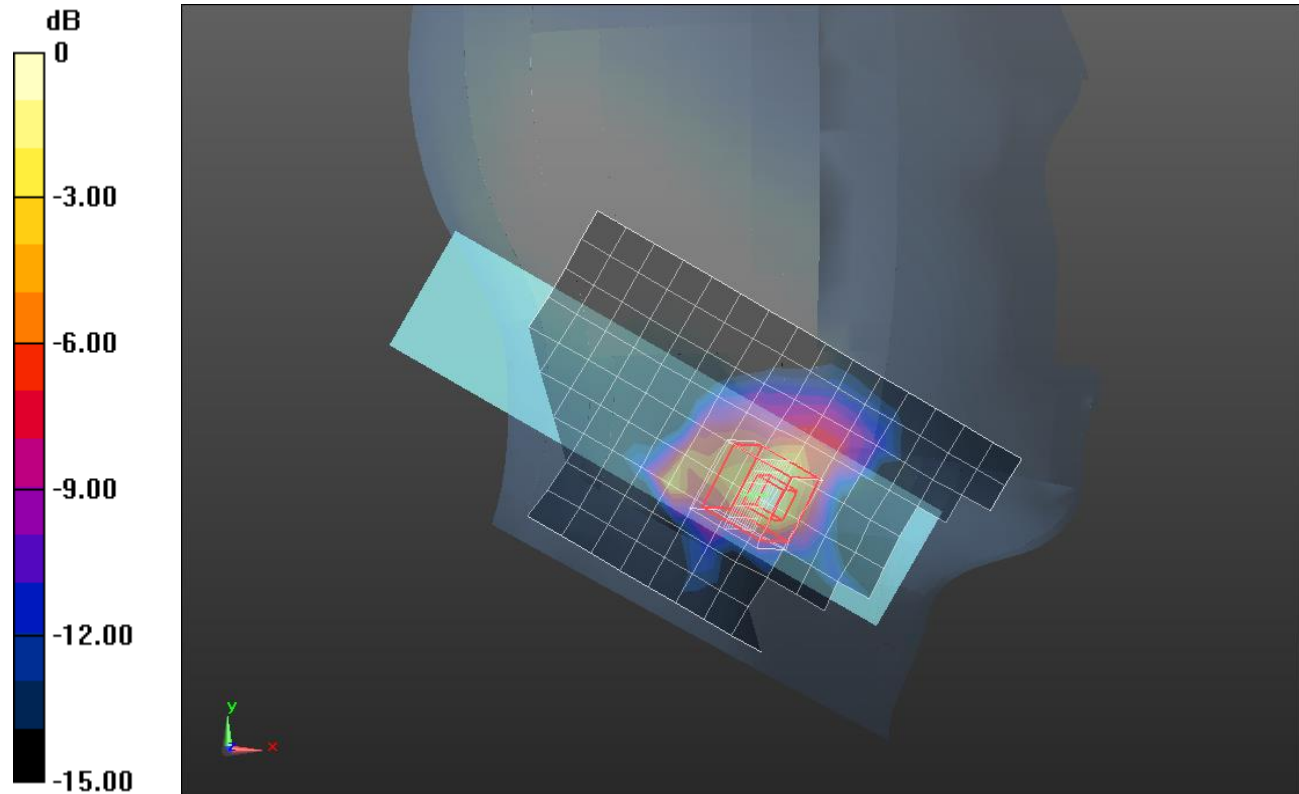
Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=2\text{mm}$

Reference Value = 17.55 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 3.18 W/kg

**SAR(1 g) = 0.795 W/kg; SAR(10 g) = 0.232 W/kg**

Maximum value of SAR (measured) = 1.56 W/kg



0 dB = 1.56 W/kg = 1.93 dBW/kg

## WiFi 5GHz

Frequency: 5690 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used:  $f = 5690 \text{ MHz}$ ;  $\sigma = 5.204 \text{ S/m}$ ;  $\epsilon_r = 33.946$ ;  $\rho = 1000 \text{ kg/m}^3$

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 Sn1258; Calibrated: 5/14/2015
- Probe: EX3DV4 - SN3989; ConvF(4.9, 4.9, 4.9); Calibrated: 3/17/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: SAM with CRP; Type: SAM;

**RHS Path A/Touch\_802.11n VHT80\_Ch 138/Ant A/Area Scan (10x15x1):** Measurement grid:

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

Maximum value of SAR (measured) = 0.800 W/kg

**RHS Path A/Touch\_802.11n VHT80\_Ch 138/Ant A/Zoom Scan (7x7x12)/Cube 0:**

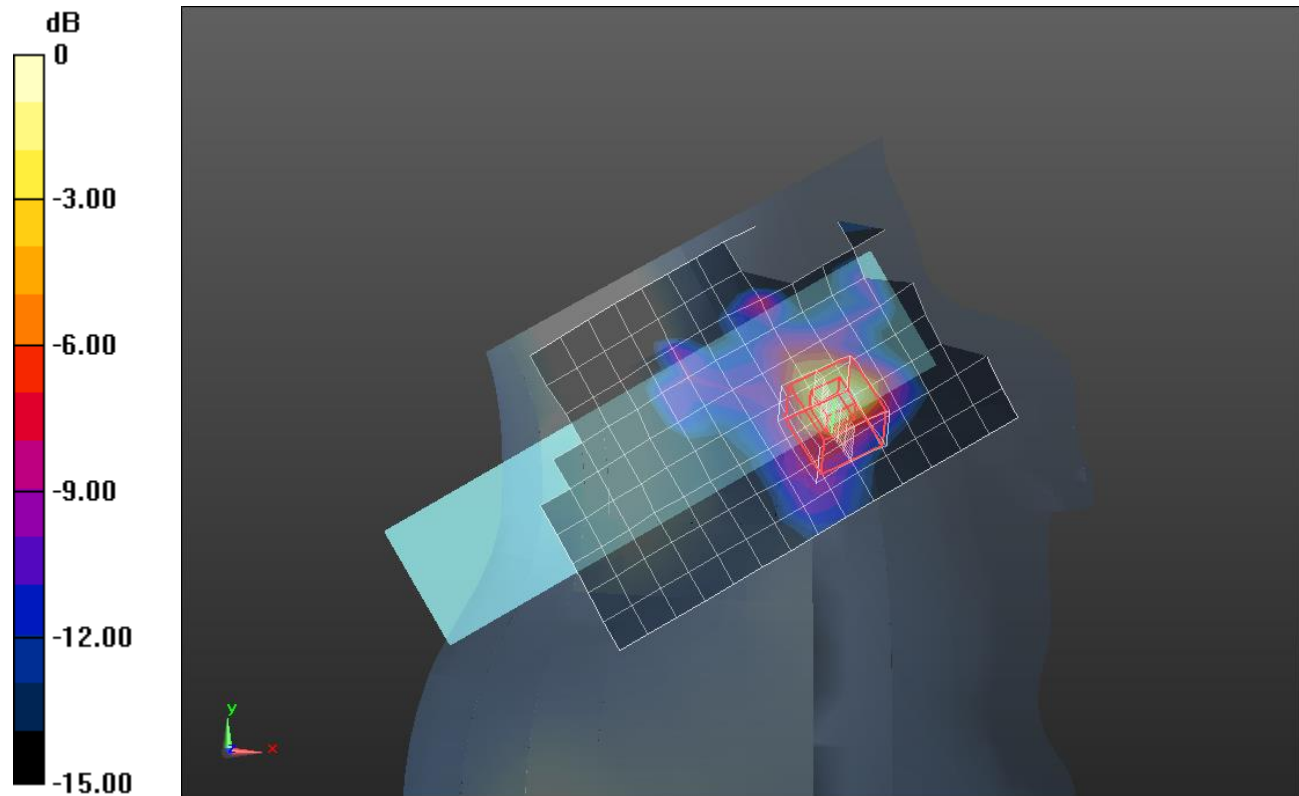
Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=2\text{mm}$

Reference Value = 12.19 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 2.03 W/kg

**SAR(1 g) = 0.463 W/kg; SAR(10 g) = 0.147 W/kg**

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



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



## WiFi 5GHz

Frequency: 5795 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used:  $f = 5795 \text{ MHz}$ ;  $\sigma = 5.016 \text{ S/m}$ ;  $\epsilon_r = 34.998$ ;  $\rho = 1000 \text{ kg/m}^3$

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 Sn1258; Calibrated: 5/14/2015
- Probe: EX3DV4 - SN3989; ConvF(5.03, 5.03, 5.03); Calibrated: 3/17/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: SAM with CRP; Type: SAM;

**LHS PathB/Touch\_802.11n HT40\_Ch 159/Ant B/Area Scan (10x16x1):** Measurement grid:

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

Maximum value of SAR (measured) = 1.20 W/kg

**LHS PathB/Touch\_802.11n HT40\_Ch 159/Ant B/Zoom Scan (7x7x12)/Cube 0:** Measurement

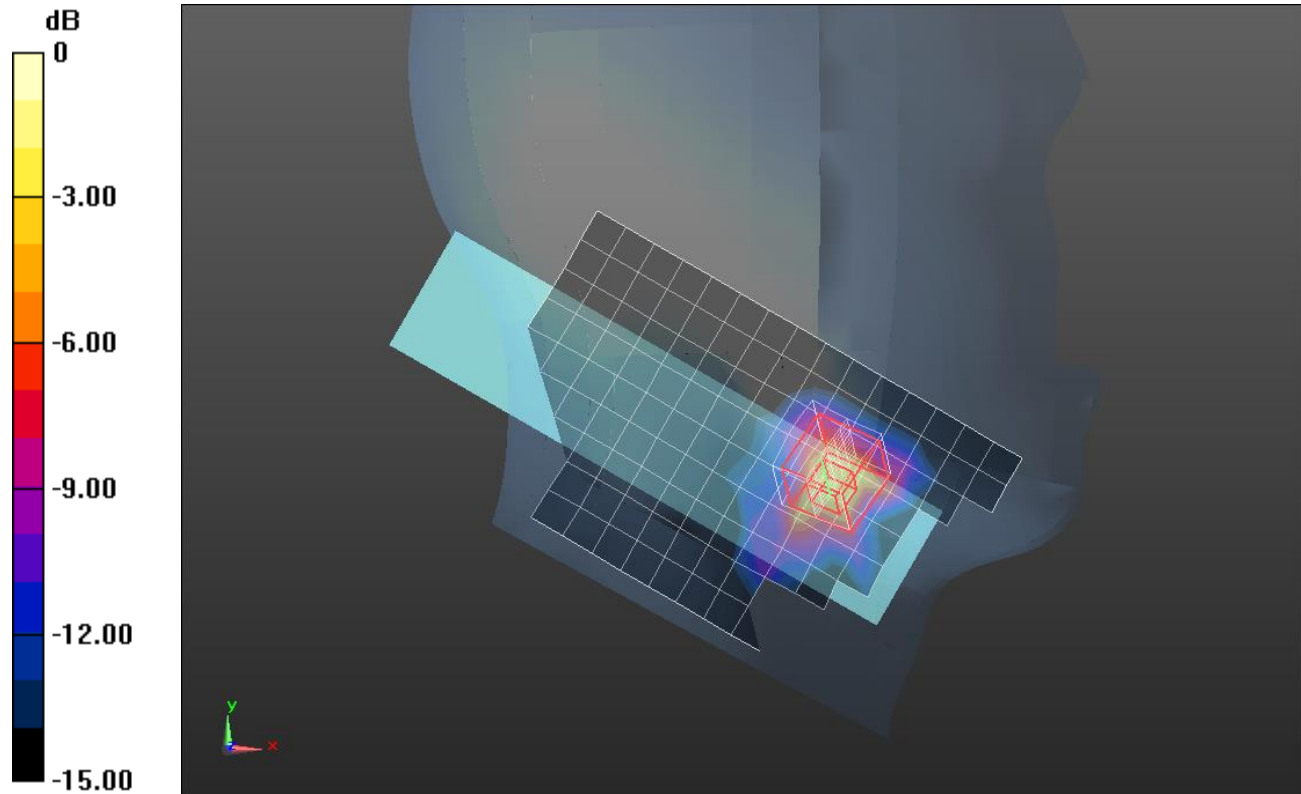
grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=2\text{mm}$

Reference Value = 15.82 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 4.87 W/kg

**SAR(1 g) = 0.988 W/kg; SAR(10 g) = 0.322 W/kg**

Maximum value of SAR (measured) = 2.61 W/kg



0 dB = 2.61 W/kg = 4.17 dBW/kg

## WiFi 5GHz

Frequency: 5795 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used:  $f = 5795 \text{ MHz}$ ;  $\sigma = 5.016 \text{ S/m}$ ;  $\epsilon_r = 34.998$ ;  $\rho = 1000 \text{ kg/m}^3$

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 Sn1258; Calibrated: 5/14/2015
- Probe: EX3DV4 - SN3989; ConvF(5.03, 5.03, 5.03); Calibrated: 3/17/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: SAM with CRP; Type: SAM;

### RHS Path A/Touch\_802.11n HT40\_Ch 159/Ant A/Area Scan (10x15x1): Measurement grid:

dx=10mm, dy=10mm

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

### RHS Path A/Touch\_802.11n HT40\_Ch 159/Ant A/Zoom Scan (7x7x12)/Cube 0: Measurement grid:

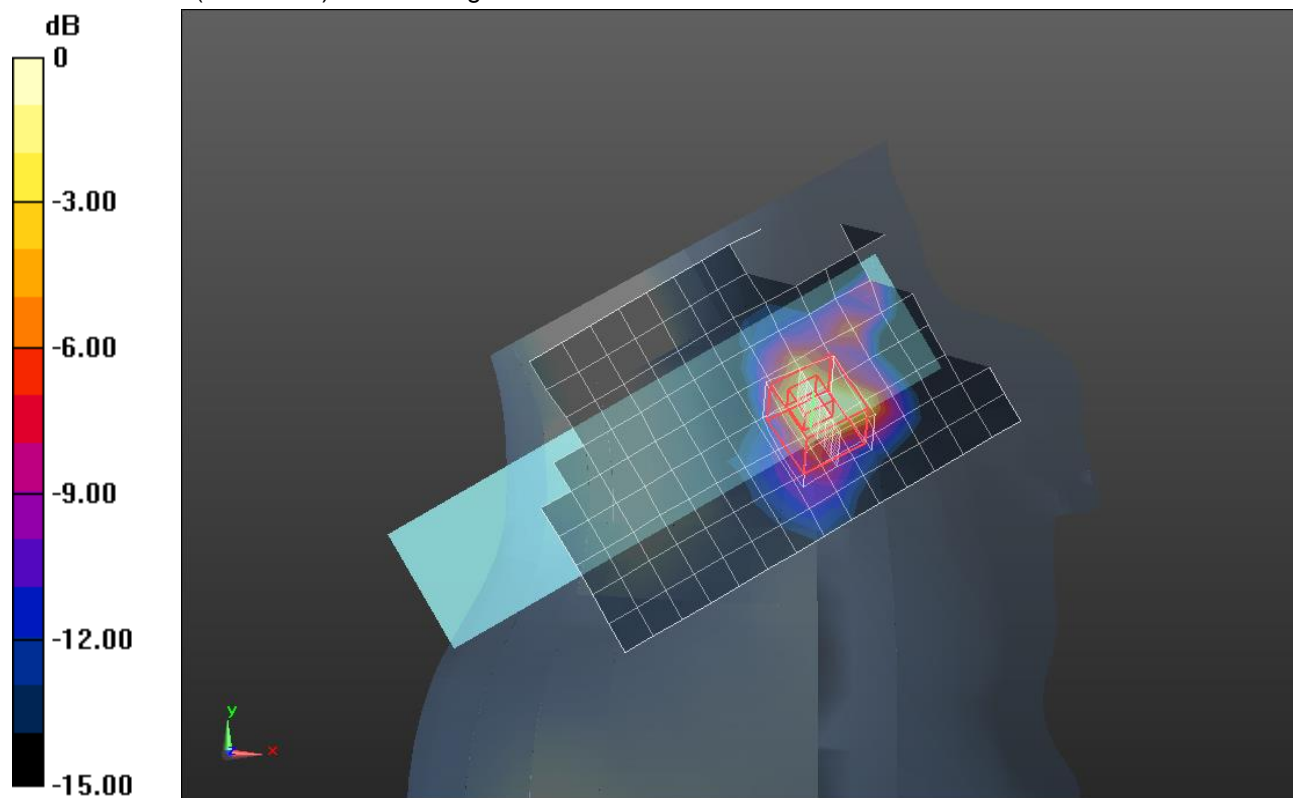
grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 14.14 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 2.72 W/kg

**SAR(1 g) = 0.631 W/kg; SAR(10 g) = 0.198 W/kg**

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



0 dB = 1.25 W/kg = 0.97 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;  $\sigma = 1.862$  S/m;  $\epsilon_r = 39.485$ ;  $\rho = 1000$  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 Sn1360; Calibrated: 3/12/2015
- Probe: EX3DV4 - SN3751; ConvF(6.61, 6.61, 6.61); Calibrated: 11/14/2014;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM; Type: QD000PCD; Serial: 1632

**RHS/Touch\_GFSK DH5\_ch 39/Ant A/Area Scan (9x13x1):** Measurement grid: dx=12mm, dy=12mm

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

Maximum value of SAR (measured) = 0.0861 W/kg

**RHS/Touch\_GFSK DH5\_ch 39/Ant A/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

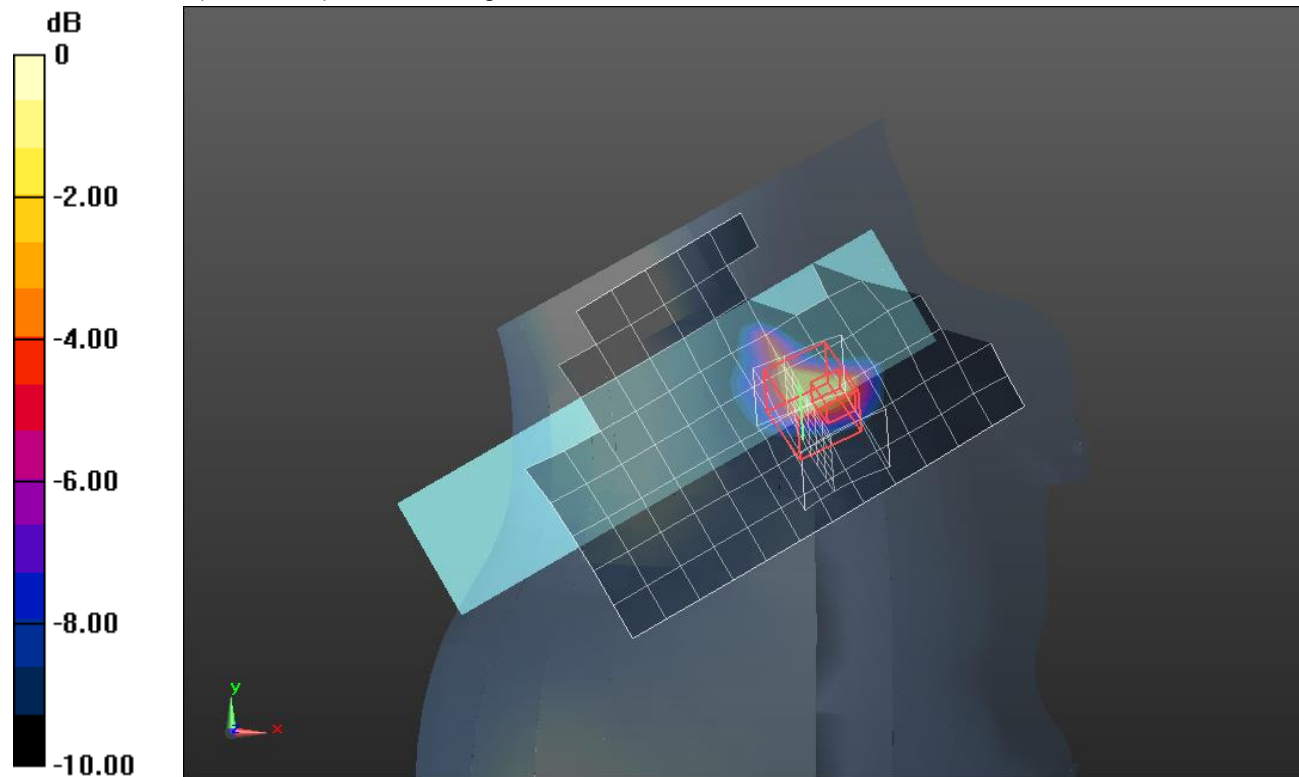
Reference Value = 6.968 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 0.190 W/kg

**SAR(1 g) = 0.077 W/kg; SAR(10 g) = 0.035 W/kg**

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

Maximum value of SAR (measured) = 0.115 W/kg



0 dB = 0.115 W/kg = -9.39 dBW/kg