

Test Laboratory: Compliance Certification Services

## 1\_Host # 1\_Compacq Laptop

DUT: Airgo; Type: AGN1022PC-01; Serial: 6154W007931

Communication System: 802.11bg; Frequency: 2412 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 2412$  MHz;  $\sigma = 1.96$  mho/m;  $\epsilon_r = 52.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Room Ambient Temperature: 24 deg. C; Liquid Temperature: 23 deg. C

DASY4 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3552 ; ConvF(6.94, 6.94, 6.94); Calibrated: 3/19/2005
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 2/7/2005
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

**b mode, (P:19) L-ch/Area Scan (11x8x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.996 mW/g

**b mode, (P:19) L-ch/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:

dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 13.6 V/m; Power Drift = -0.165 dB

Peak SAR (extrapolated) = 1.37 W/kg

**SAR(1 g) = 0.747 mW/g; SAR(10 g) = 0.384 mW/g**

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

Maximum value of SAR (measured) = 0.976 mW/g

**b mode, (P:19) L-ch/Zoom Scan (5x5x7)/Cube 1:** Measurement grid:

dx=7.5mm, dy=7.5mm, dz=5mm

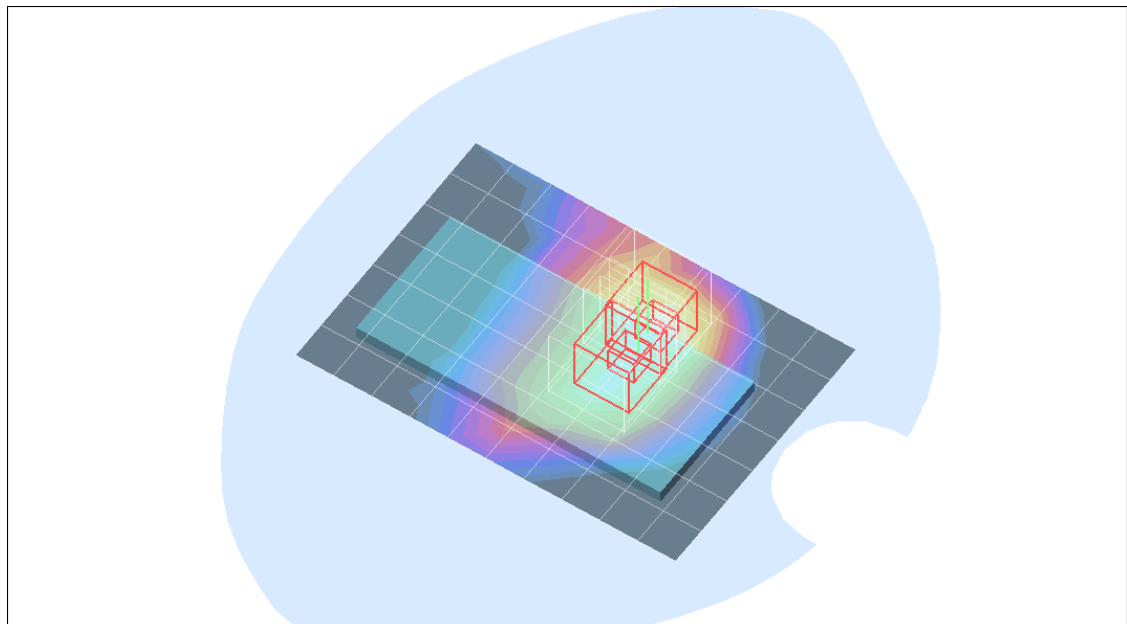
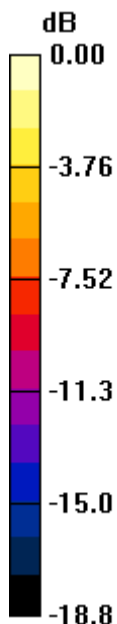
Reference Value = 13.6 V/m; Power Drift = -0.165 dB

Peak SAR (extrapolated) = 1.11 W/kg

**SAR(1 g) = 0.551 mW/g; SAR(10 g) = 0.301 mW/g**

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

Maximum value of SAR (measured) = 0.809 mW/g



0 dB = 0.809mW/g

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Phantom section: Flat Section

Room Ambient Temperature: 24 deg. C; Liquid Temperature: 23 deg. C

DASY4 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3552 ; ConvF(6.94, 6.94, 6.94); Calibrated: 3/19/2005
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 2/7/2005
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

**b mode, (P:20) M-ch/Area Scan (11x8x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 1.27 mW/g

**b mode, (P:20) M-ch/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:

dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 15.4 V/m; Power Drift = -0.121 dB

Peak SAR (extrapolated) = 1.74 W/kg

**SAR(1 g) = 0.956 mW/g; SAR(10 g) = 0.491 mW/g**

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

Maximum value of SAR (measured) = 1.25 mW/g

**b mode, (P:20) M-ch/Zoom Scan (5x5x7)/Cube 1:** Measurement grid:

dx=7.5mm, dy=7.5mm, dz=5mm

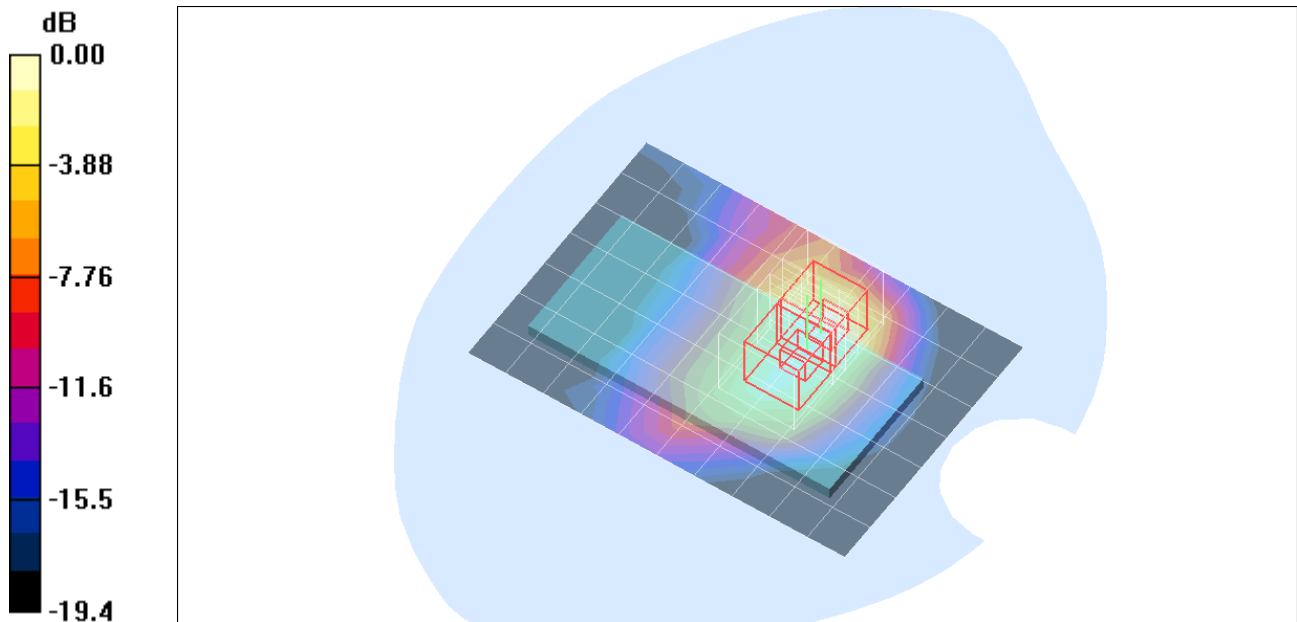
Reference Value = 15.4 V/m; Power Drift = -0.121 dB

Peak SAR (extrapolated) = 1.42 W/kg

**SAR(1 g) = 0.715 mW/g; SAR(10 g) = 0.390 mW/g**

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

Maximum value of SAR (measured) = 1.06 mW/g



0 dB = 1.06mW/g

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## 1\_Host # 1\_Compaq Laptop

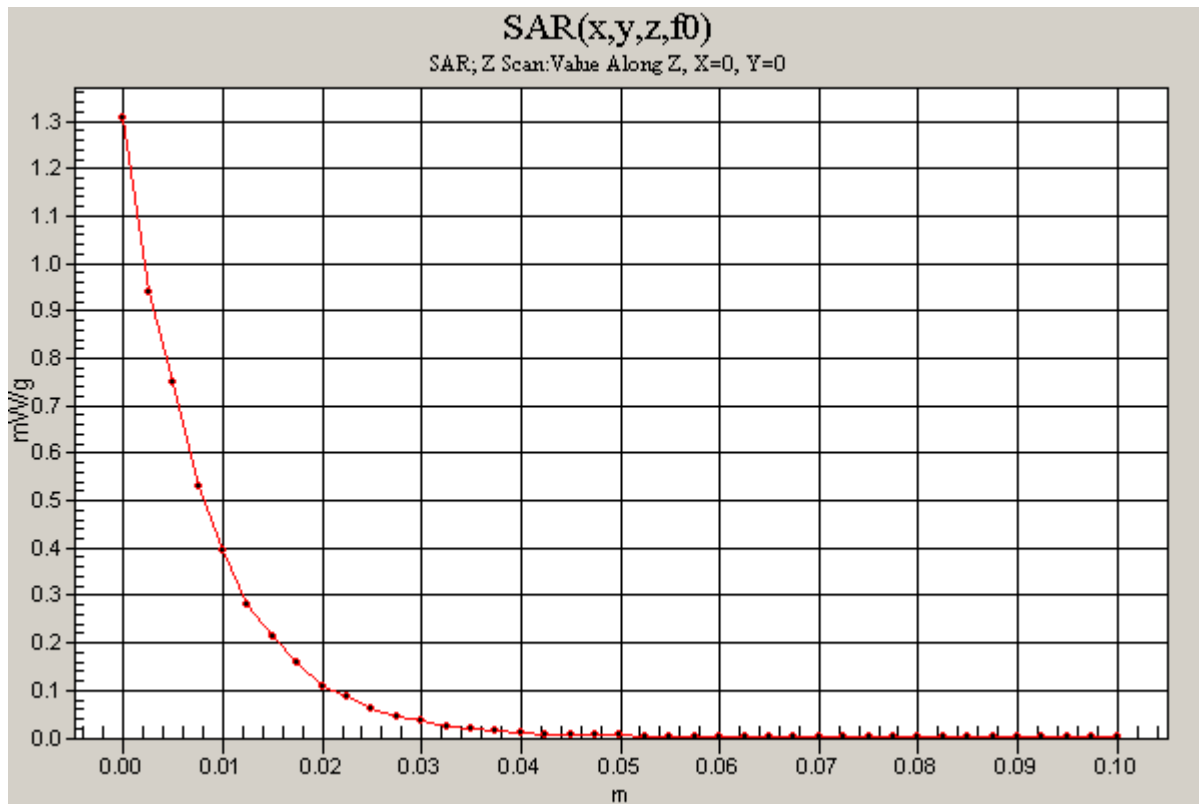
DUT: Airgo; Type: AGN1022PC-01; Serial: 6154W007931

Communication System: 802.11bg; Frequency: 2437 MHz; Duty Cycle: 1:1

**b mode, d=1.1mm (TX Power:20) M-ch/Z Scan (1x1x41):** Measurement grid: dx=20mm, dy=20mm, dz=2.5mm

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

Maximum value of SAR (measured) = 1.31 mW/g



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## 1\_Host # 1\_Compq Laptop

DUT: Airgo; Type: AGN1022PC-01; Serial: 6154W007931

Communication System: 802.11bg; Frequency: 2462 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 2462$  MHz;  $\sigma = 2.04$  mho/m;  $\epsilon_r = 52$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Room Ambient Temperature: 24 deg. C; Liquid Temperature: 23 deg. C

DASY4 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3552 ; ConvF(6.94, 6.94, 6.94); Calibrated: 3/19/2005
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 2/7/2005
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

**b mode, (P:19) H-ch/Area Scan (11x9x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 1.26 mW/g

**b mode, (P:19) H-ch/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:

dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 14.9 V/m; Power Drift = -0.163 dB

Peak SAR (extrapolated) = 1.69 W/kg

**SAR(1 g) = 0.911 mW/g; SAR(10 g) = 0.469 mW/g**

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

Maximum value of SAR (measured) = 1.21 mW/g

**b mode, (P:19) H-ch/Zoom Scan (5x5x7)/Cube 1:** Measurement grid:

dx=7.5mm, dy=7.5mm, dz=5mm

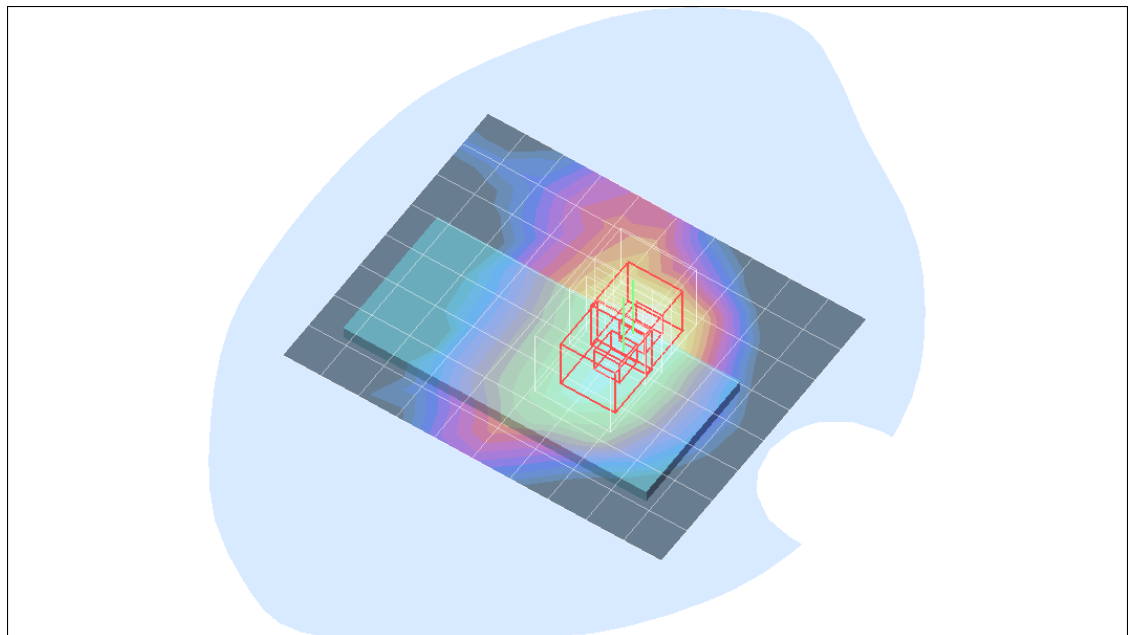
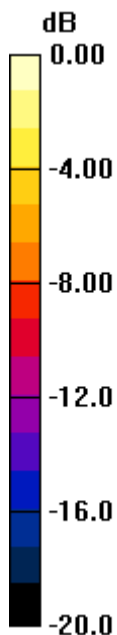
Reference Value = 14.9 V/m; Power Drift = -0.163 dB

Peak SAR (extrapolated) = 1.33 W/kg

**SAR(1 g) = 0.671 mW/g; SAR(10 g) = 0.367 mW/g**

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

Maximum value of SAR (measured) = 1.01 mW/g



0 dB = 1.01mW/g

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Medium parameters used (interpolated):  $f = 2412$  MHz;  $\sigma = 1.96$  mho/m;  $\epsilon_r = 52.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Room Ambient Temperature: 24 deg. C; Liquid Temperature: 23 deg. C

DASY4 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3552 ; ConvF(6.94, 6.94, 6.94); Calibrated: 3/19/2005
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 2/7/2005
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

**g mode, (P:16) L-ch/Area Scan (11x8x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.484 mW/g

**g mode, (P:16) L-ch/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 9.26 V/m; Power Drift = -0.164 dB

Peak SAR (extrapolated) = 0.652 W/kg

**SAR(1 g) = 0.360 mW/g; SAR(10 g) = 0.185 mW/g**

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

Maximum value of SAR (measured) = 0.472 mW/g

**g mode, (P:16) L-ch/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

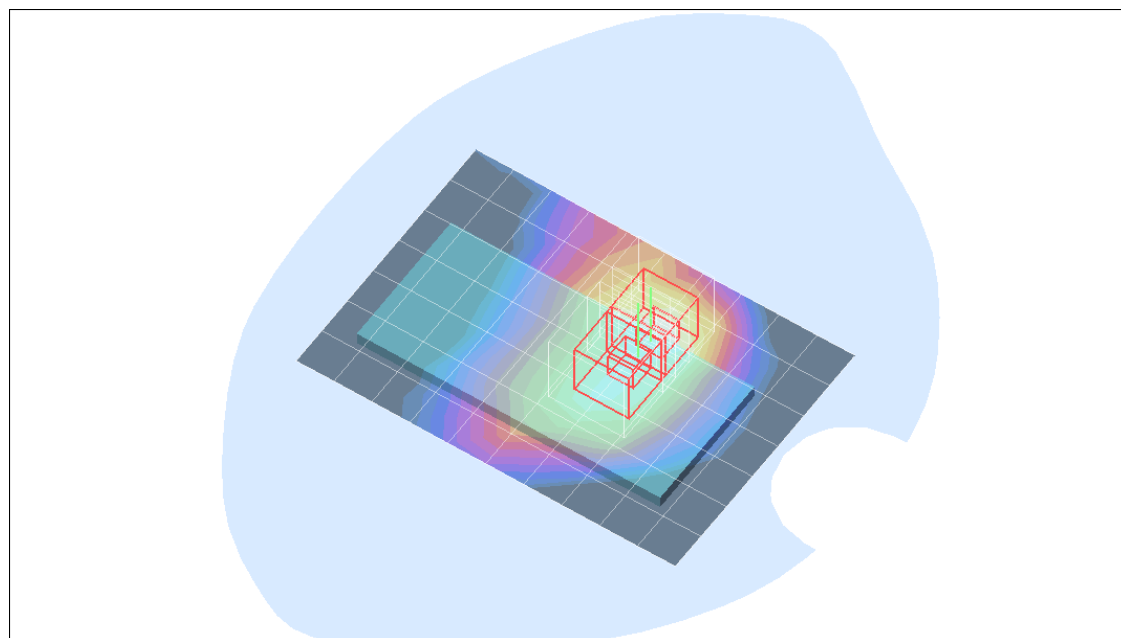
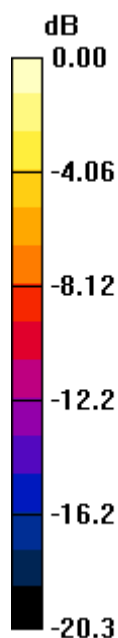
Reference Value = 9.26 V/m; Power Drift = -0.164 dB

Peak SAR (extrapolated) = 0.511 W/kg

**SAR(1 g) = 0.260 mW/g; SAR(10 g) = 0.145 mW/g**

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

Maximum value of SAR (measured) = 0.384 mW/g



0 dB = 0.384mW/g

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Phantom section: Flat Section

Room Ambient Temperature: 24 deg. C; Liquid Temperature: 23 deg. C

DASY4 Configuration:

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- Probe: EX3DV4 - SN3552 ; ConvF(6.94, 6.94, 6.94); Calibrated: 3/19/2005
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 2/7/2005
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**g mode, (P:20) M-ch/Area Scan (11x8x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 1.15 mW/g

**g mode, d=1.1mm (TX Power:20) M-ch/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 14.6 V/m; Power Drift = -0.107 dB

Peak SAR (extrapolated) = 1.58 W/kg

**SAR(1 g) = 0.870 mW/g; SAR(10 g) = 0.450 mW/g**

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

Maximum value of SAR (measured) = 1.16 mW/g

**g mode, (P:20) M-ch/Zoom Scan (5x5x7)/Cube 1:** Measurement grid:

dx=7.5mm, dy=7.5mm, dz=5mm

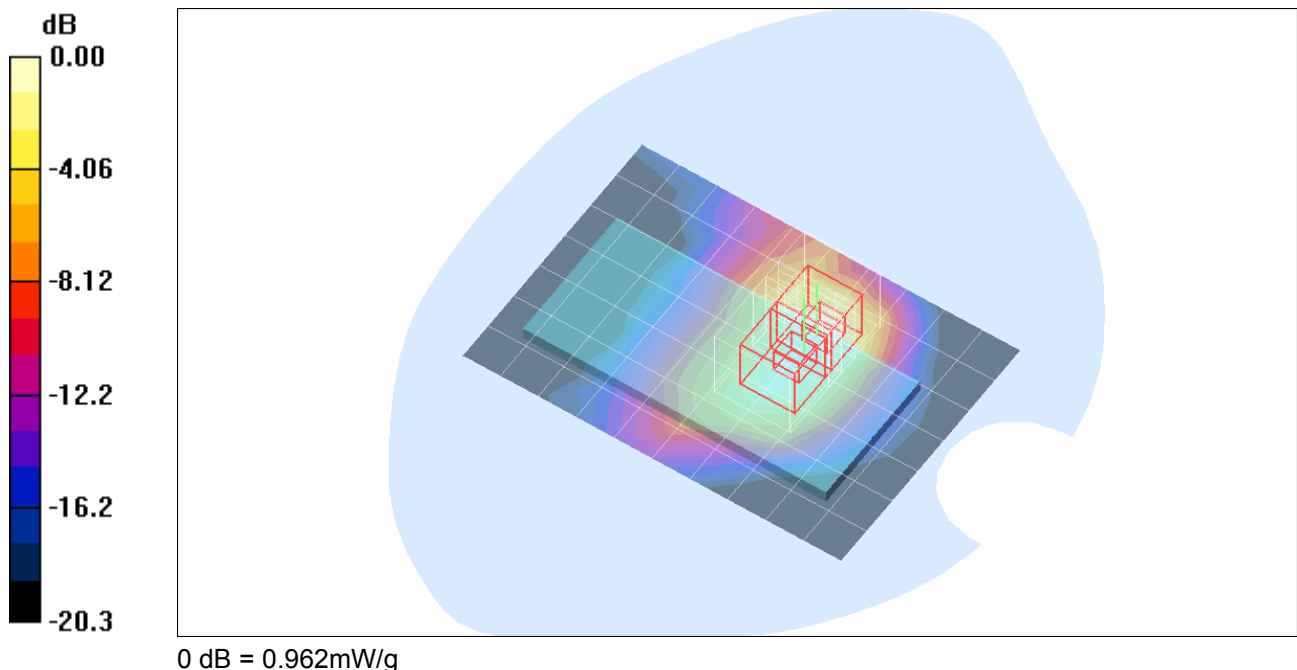
Reference Value = 14.6 V/m; Power Drift = -0.107 dB

Peak SAR (extrapolated) = 1.28 W/kg

**SAR(1 g) = 0.658 mW/g; SAR(10 g) = 0.362 mW/g**

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

Maximum value of SAR (measured) = 0.962 mW/g



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Phantom section: Flat Section

Room Ambient Temperature: 24 deg. C; Liquid Temperature: 23 deg. C

DASY4 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3552 ; ConvF(6.94, 6.94, 6.94); Calibrated: 3/19/2005
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn500; Calibrated: 2/7/2005
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

**g mode, (P:15) H-ch/Area Scan (11x8x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.449 mW/g

**g mode, (P:15) H-ch/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 9.06 V/m; Power Drift = -0.167 dB

Peak SAR (extrapolated) = 0.619 W/kg

**SAR(1 g) = 0.341 mW/g; SAR(10 g) = 0.176 mW/g**

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

Maximum value of SAR (measured) = 0.446 mW/g

**g mode, (P:15) H-ch/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

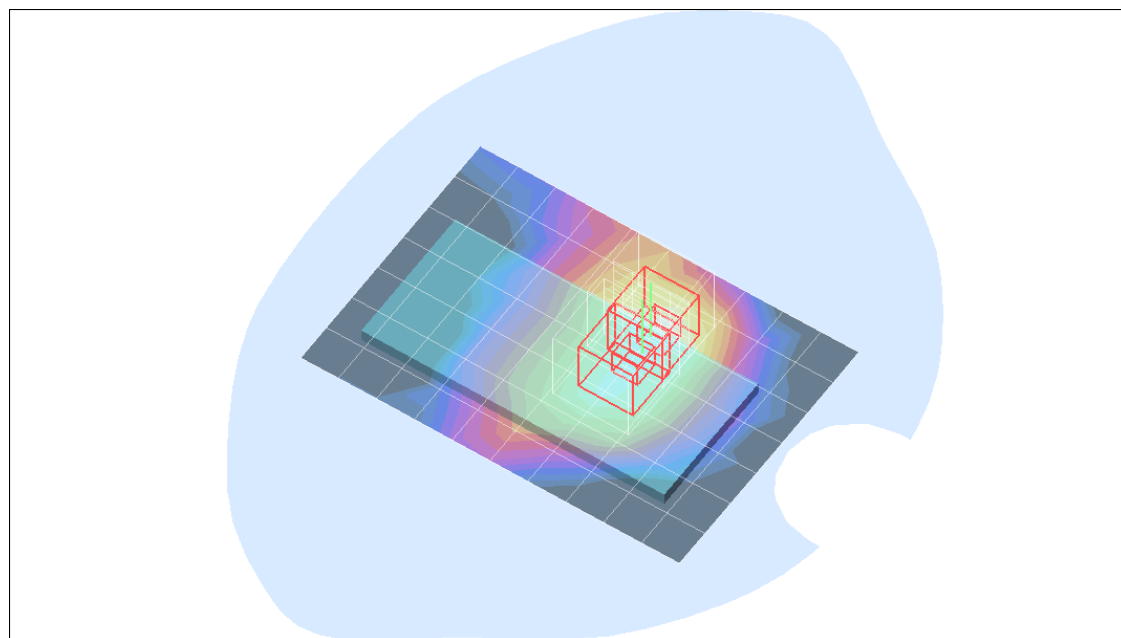
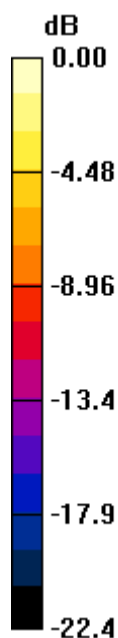
Reference Value = 9.06 V/m; Power Drift = -0.167 dB

Peak SAR (extrapolated) = 0.522 W/kg

**SAR(1 g) = 0.267 mW/g; SAR(10 g) = 0.146 mW/g**

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

Maximum value of SAR (measured) = 0.389 mW/g



0 dB = 0.389mW/g