

2014_08_10_SystemPerformanceCheck-D5GHzV2 SN 1138

Frequency: 5200 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used: $f = 5200$ MHz; $\sigma = 5.279$ S/m; $\epsilon_r = 49.447$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Averaged Fast SAR: Polynomial fit
- Electronics: DAE3 Sn427; Calibrated: 1/21/2014
- Probe: EX3DV4 - SN3902; ConvF(4.76, 4.76, 4.76); Calibrated: 7/12/2013;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI-B v5.0; Type: QDOVA002AA; Serial: TP:1195

Body/5.2 GHz, Pin=100mW/Area Scan (61x61x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Reference Value = 49.059 V/m; Power Drift = -0.05 dB

Fast SAR: SAR(1 g) = 6.55 W/kg; SAR(10 g) = 1.86 W/kg

Maximum value of SAR (interpolated) = 16.8 W/kg

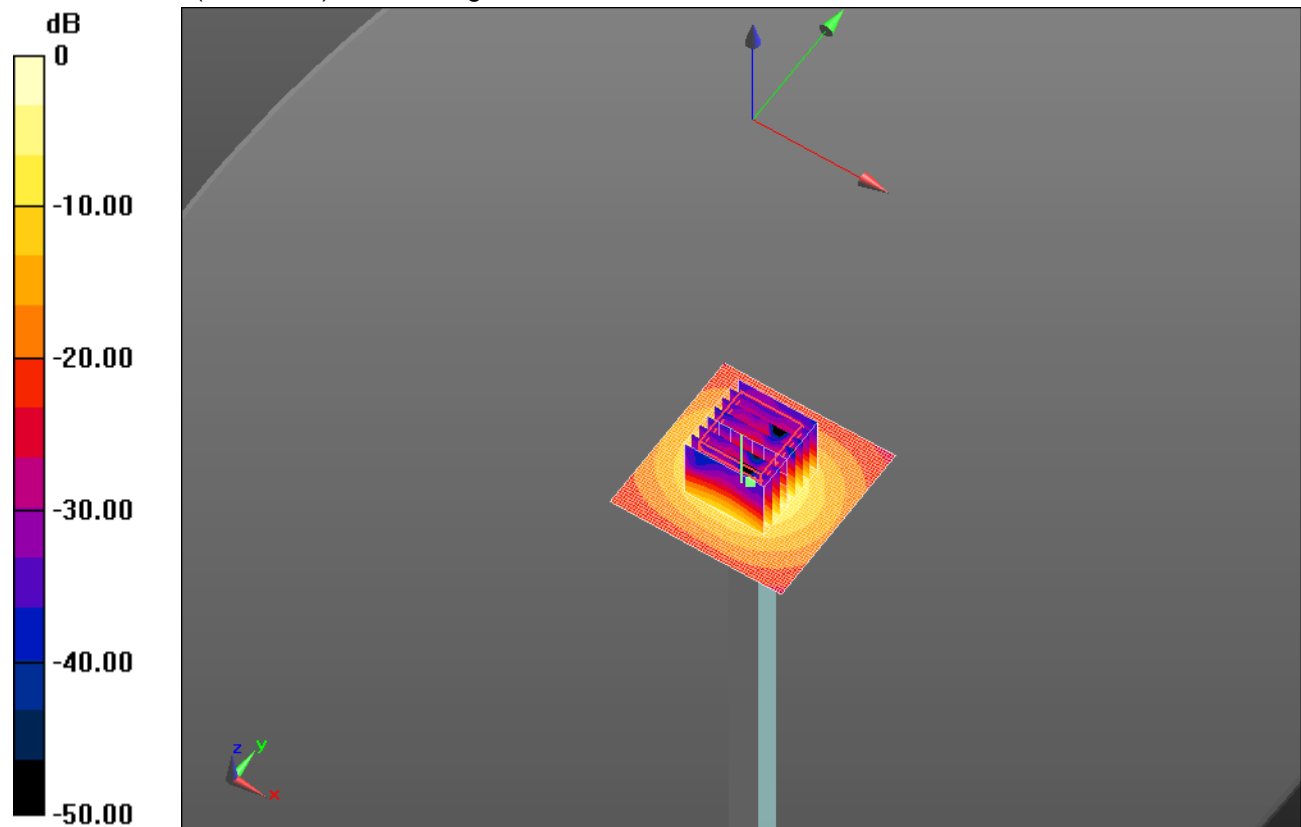
Body/5.2 GHz, Pin=100mW/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 49.059 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 29.5 W/kg

SAR(1 g) = 6.69 W/kg; SAR(10 g) = 1.94 W/kg

Maximum value of SAR (measured) = 15.9 W/kg

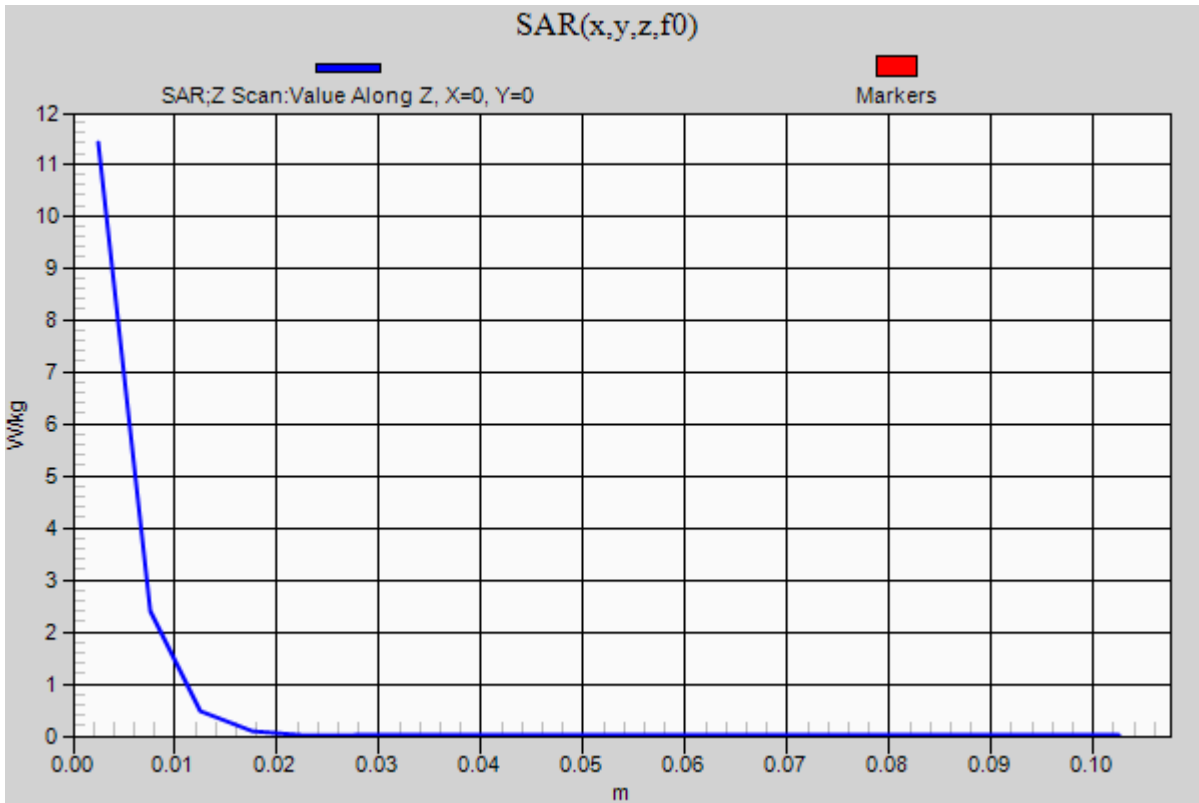


0 dB = 15.9 W/kg = 12.01 dBW/kg

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Frequency: 5200 MHz; Duty Cycle: 1:1

Body/5.2 GHz, Pin=100mW/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 11.4 W/kg



2014_08_10_SystemPerformanceCheck-D5GHzV2 SN 1138

Frequency: 5600 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used: $f = 5600$ MHz; $\sigma = 5.781$ S/m; $\epsilon_r = 48.85$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Averaged Fast SAR: Polynomial fit
- Electronics: DAE3 Sn427; Calibrated: 1/21/2014
- Probe: EX3DV4 - SN3902; ConvF(3.93, 3.93, 3.93); Calibrated: 7/12/2013;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI-B v5.0; Type: QDOVA002AA; Serial: TP:1195

Body/5.6 GHz, Pin=100mW/Area Scan (61x61x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Reference Value = 51.476 V/m; Power Drift = 0.08 dB

Fast SAR: SAR(1 g) = 8.02 W/kg; SAR(10 g) = 2.21 W/kg

Maximum value of SAR (interpolated) = 21.6 W/kg

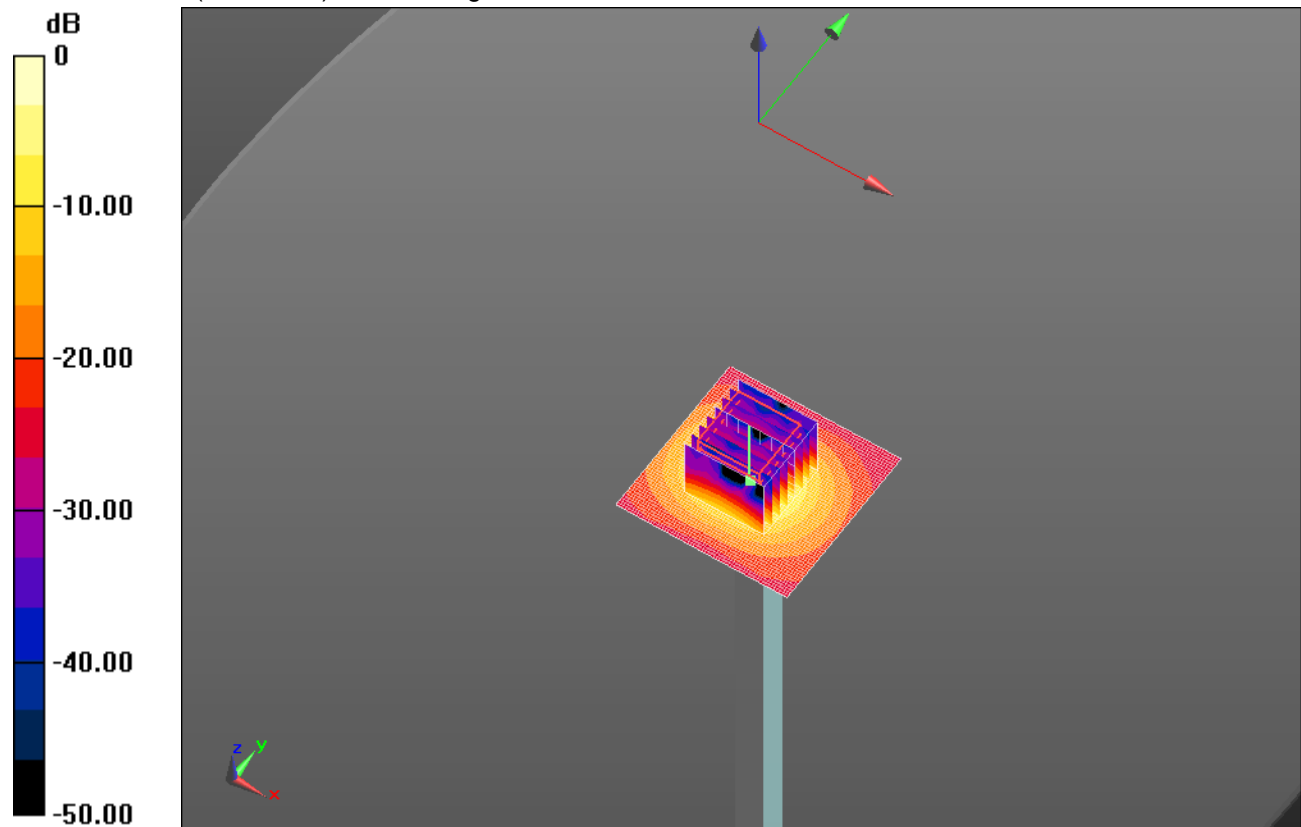
Body/5.6 GHz, Pin=100mW/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 51.476 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 38.1 W/kg

SAR(1 g) = 8.25 W/kg; SAR(10 g) = 2.32 W/kg

Maximum value of SAR (measured) = 20.3 W/kg

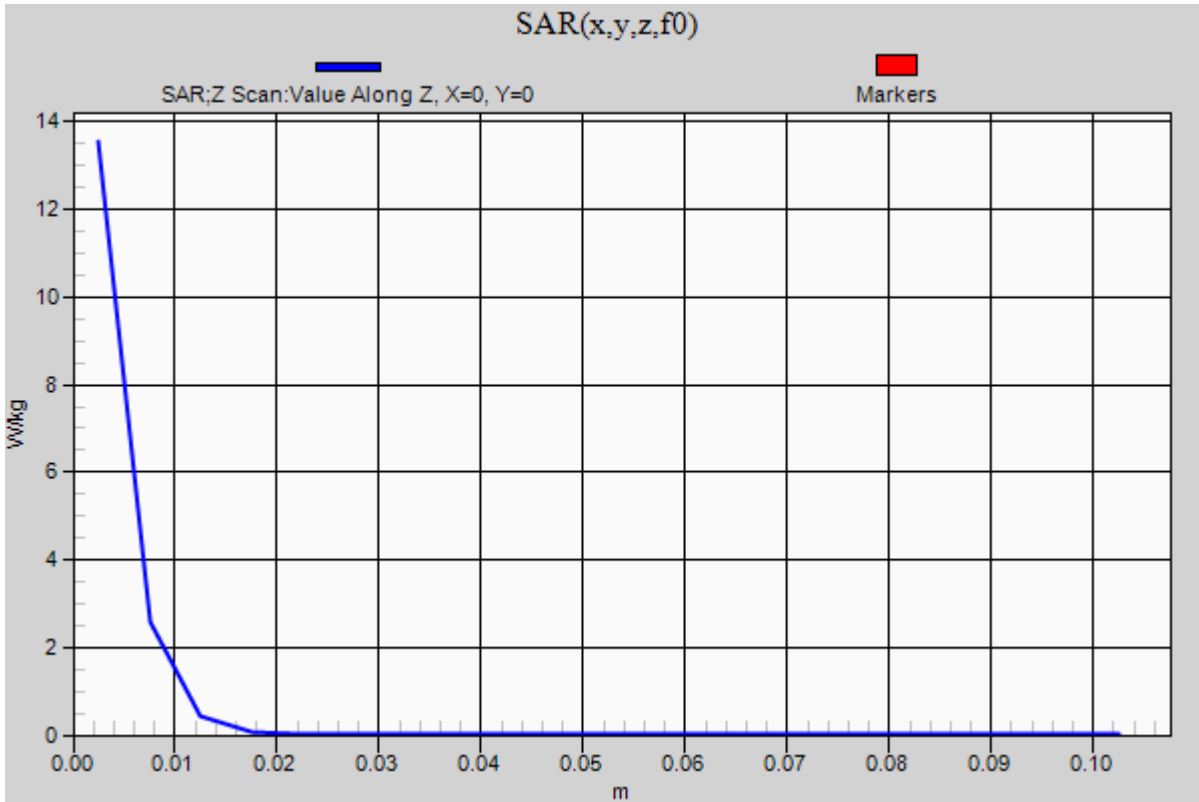


0 dB = 20.3 W/kg = 13.07 dBW/kg

2014_08_10_SystemPerformanceCheck-D5GHzV2 SN 1138

Frequency: 5600 MHz; Duty Cycle: 1:1

Body/5.6 GHz, Pin=100mW/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 13.6 W/kg



2014_08_11_SystemPerformanceCheck-D2450V2 SN 899

Frequency: 2450 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used: $f = 2450$ MHz; $\sigma = 2.038$ S/m; $\epsilon_r = 51.884$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Averaged Fast SAR: Polynomial fit
- Electronics: DAE3 Sn427; Calibrated: 1/21/2014
- Probe: EX3DV4 - SN3902; ConvF(7.35, 7.35, 7.35); Calibrated: 5/19/2014;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI-A v5.0; Type: QDOVA002AA; Serial: TP 1194

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

Reference Value = 57.563 V/m; Power Drift = 0.05 dB

Fast SAR: SAR(1 g) = 4.71 W/kg; SAR(10 g) = 2.04 W/kg

Maximum value of SAR (interpolated) = 6.91 W/kg

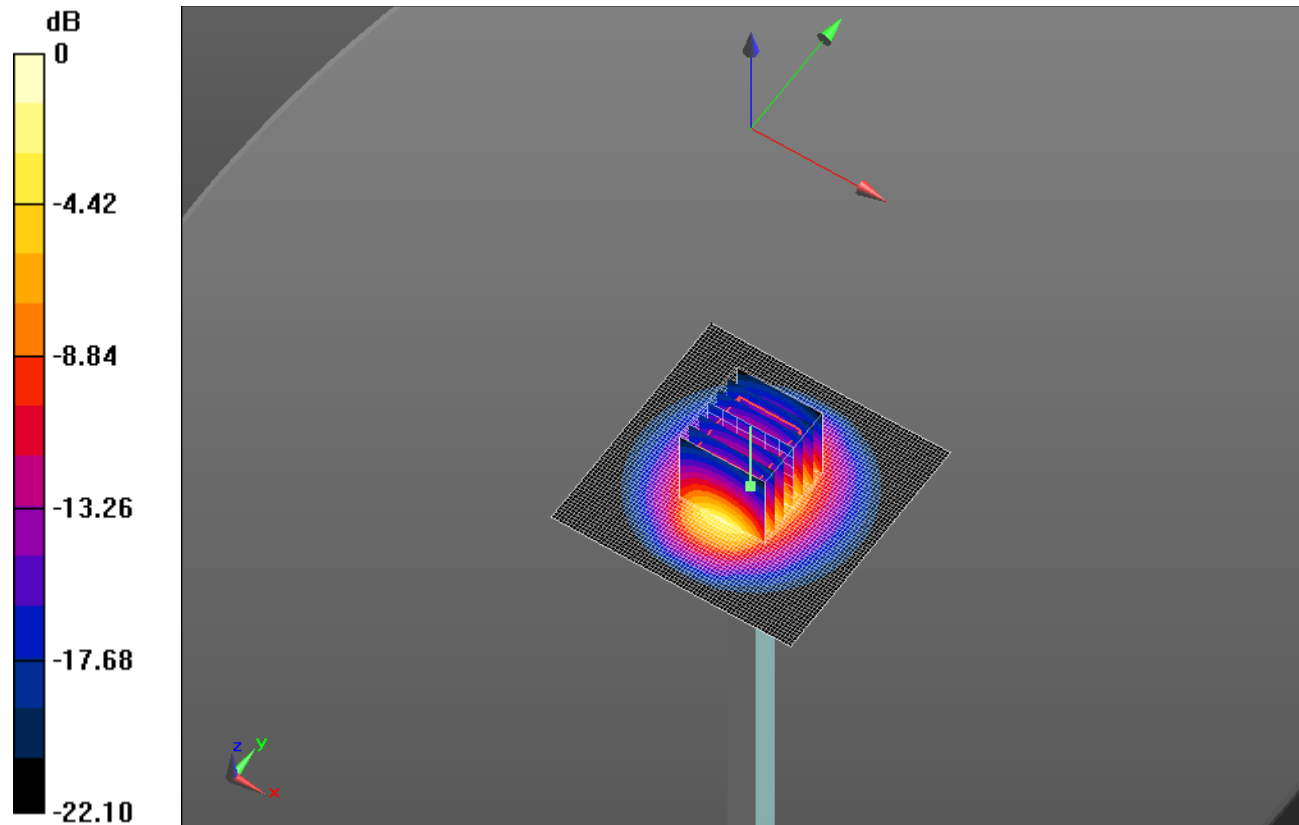
Body/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 57.563 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 9.76 W/kg

SAR(1 g) = 4.7 W/kg; SAR(10 g) = 2.18 W/kg

Maximum value of SAR (measured) = 6.69 W/kg

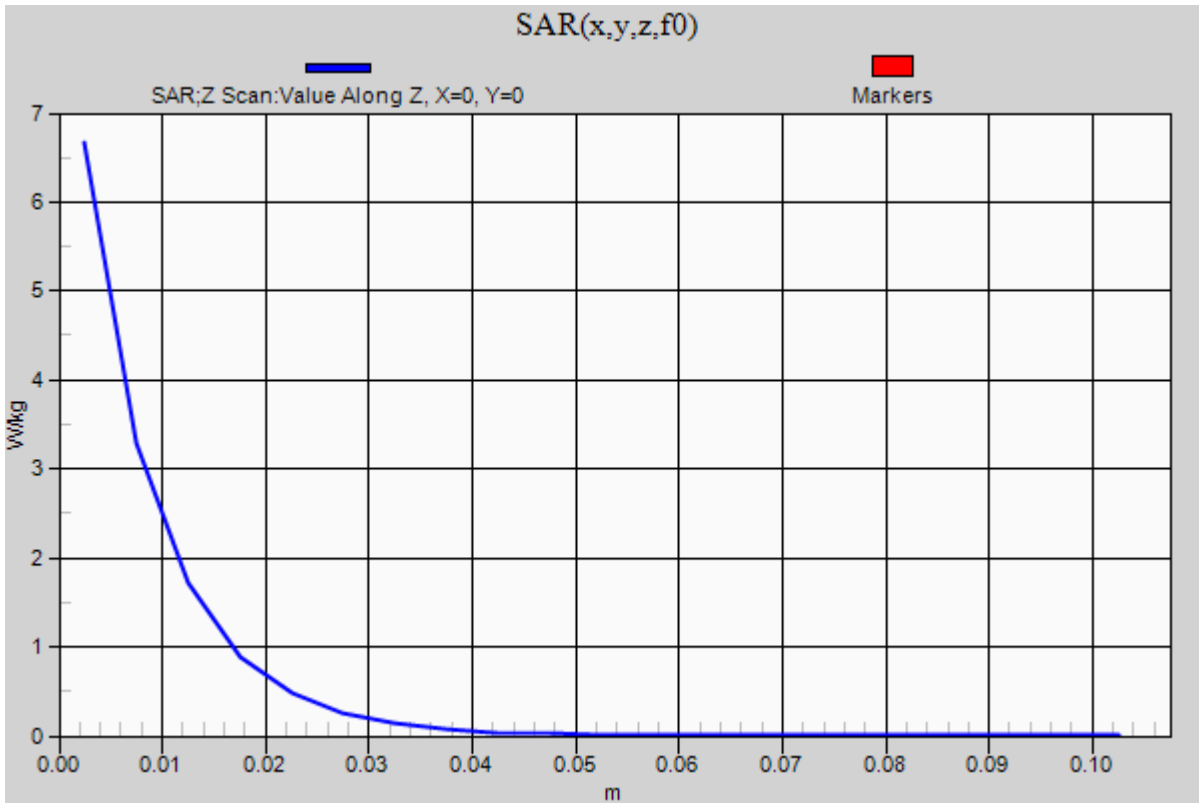


0 dB = 6.69 W/kg = 8.25 dBW/kg

2014_08_11_SystemPerformanceCheck-D2450V2 SN 899

Frequency: 2450 MHz; Duty Cycle: 1:1

Body/Pin=100 mW/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 6.66 W/kg



2014_08_20_SystemPerformanceCheck-D5GHzV2 SN 1138

Frequency: 5800 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: $f = 5800 \text{ MHz}$; $\sigma = 6.169 \text{ S/m}$; $\epsilon_r = 45.933$; $\rho = 1000 \text{ kg/m}^3$

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Averaged Fast SAR: Polynomial fit
- Electronics: DAE3 Sn427; Calibrated: 1/21/2014
- Probe: EX3DV4 - SN3902; ConvF(4.11, 4.11, 4.11); Calibrated: 5/19/2014;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI-B v5.0; Type: QDOVA002AA; Serial: TP:1195

Body/5.8 GHz, Pin=100mW/Area Scan (61x61x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Reference Value = 50.532 V/m; Power Drift = 0.09 dB

Fast SAR: SAR(1 g) = 7.15 W/kg; SAR(10 g) = 1.96 W/kg

Maximum value of SAR (interpolated) = 19.7 W/kg

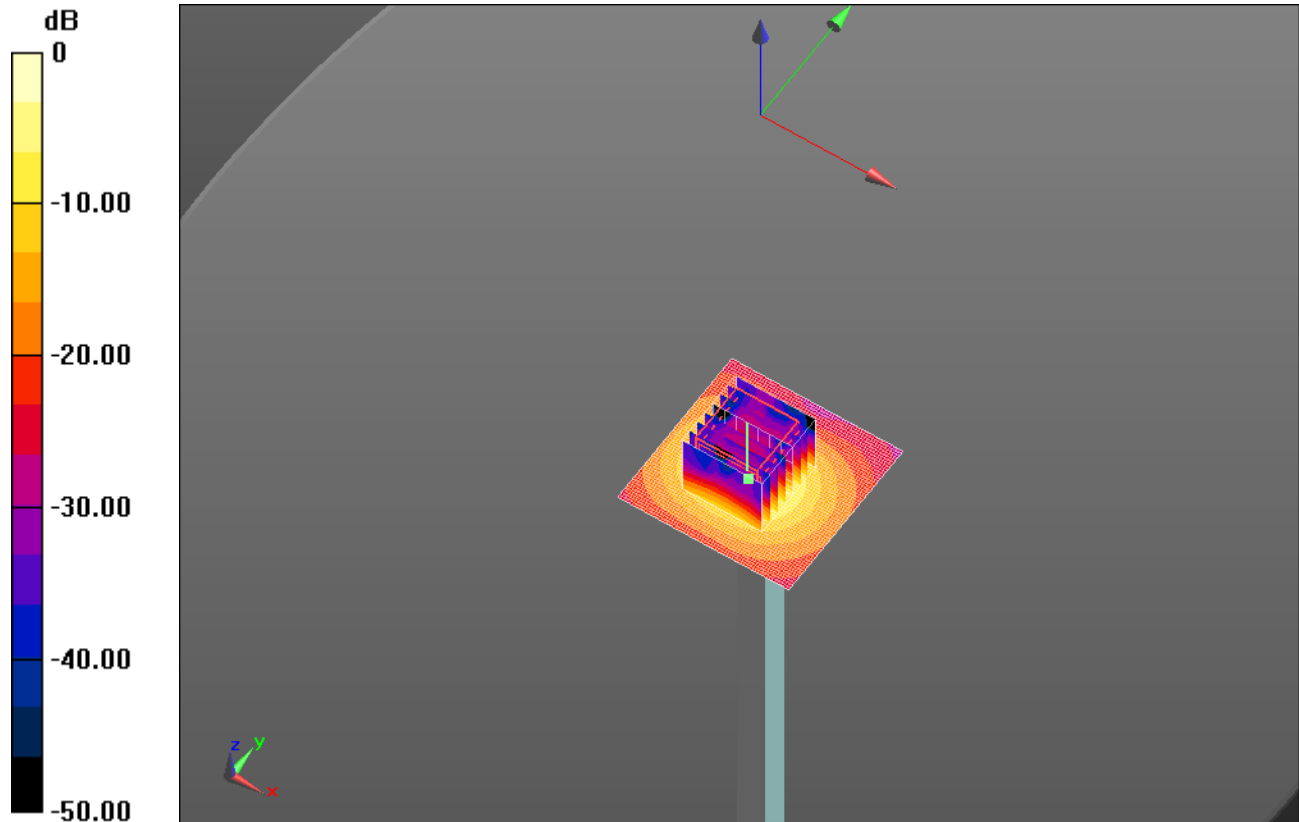
Body/5.8 GHz, Pin=100mW/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 50.532 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 35.0 W/kg

SAR(1 g) = 7.7 W/kg; SAR(10 g) = 2.14 W/kg

Maximum value of SAR (measured) = 19.5 W/kg

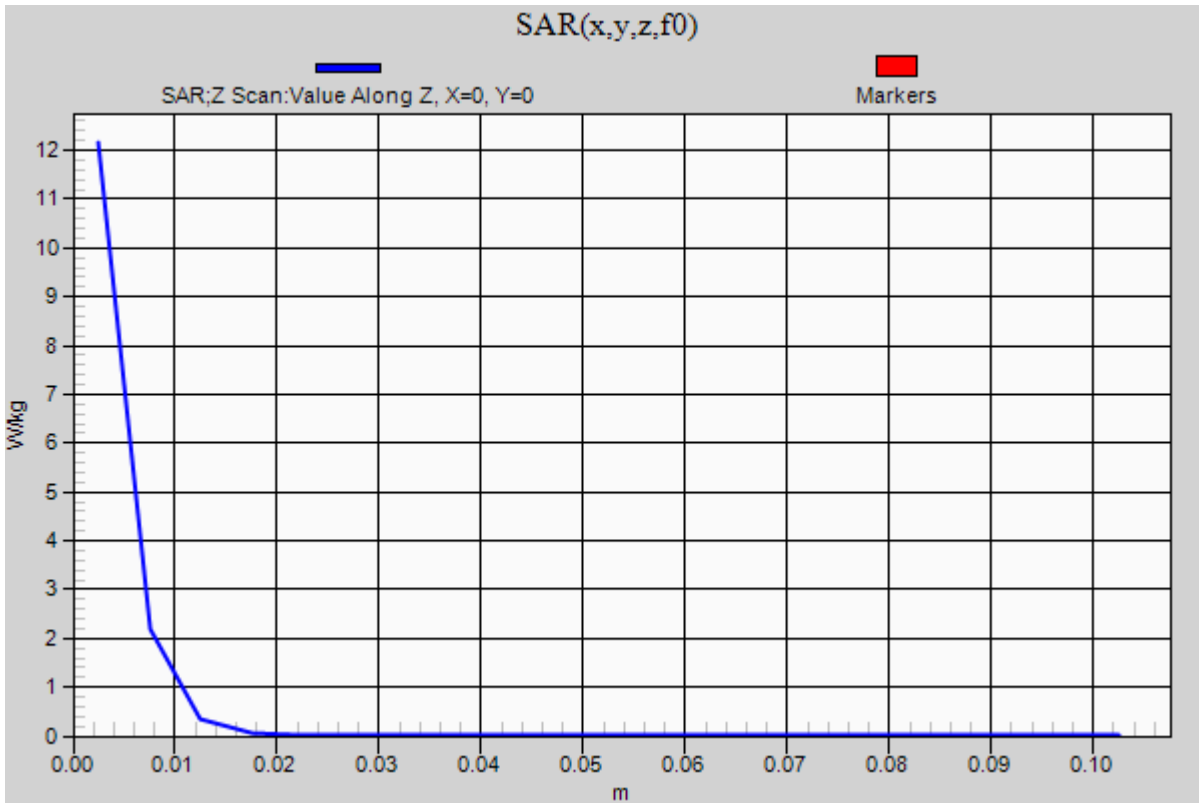


0 dB = 19.5 W/kg = 12.90 dBW/kg

2014_08_20_SystemPerformanceCheck-D5GHzV2 SN 1138

Frequency: 5800 MHz; Duty Cycle: 1:1

Body/5.8 GHz, Pin=100mW/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 12.2 W/kg



WiFi 2.4 GHz

Frequency: 2437 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 2.02$ S/m; $\epsilon_r = 50.375$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE3 Sn427; Calibrated: 1/21/2014
- Probe: EX3DV4 - SN3902; ConvF(7.35, 7.35, 7.35); Calibrated: 5/19/2014;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI-A v5.0; Type: QDOVA002AA; Serial: TP 1194

Rear/802.11b_ch 6_1Mbps/Area Scan (14x22x1): Measurement grid: dx=12mm, dy=12mm

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

Maximum value of SAR (measured) = 0.815 W/kg

Rear/802.11b_ch 6_1Mbps/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm,

dz=5mm

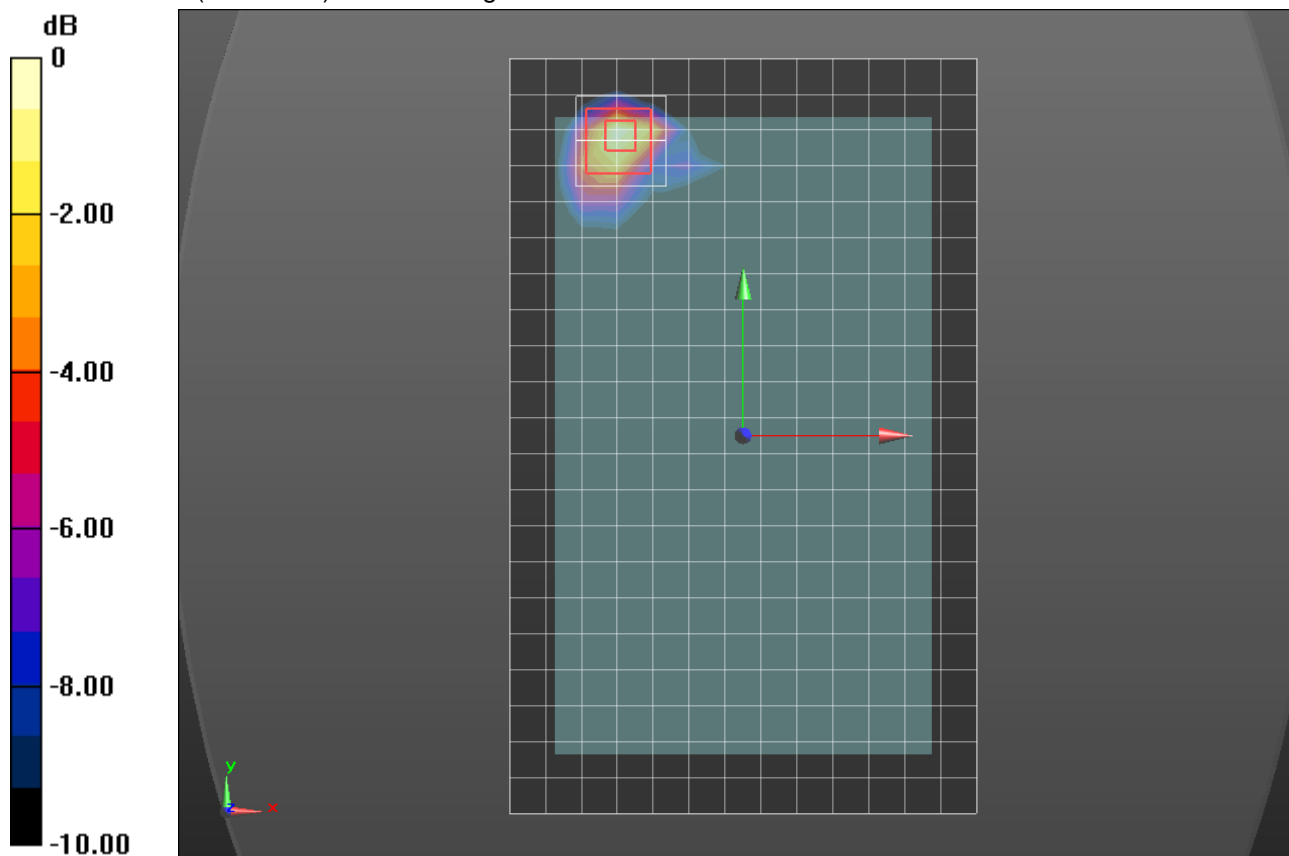
Reference Value = 20.238 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 1.34 W/kg

SAR(1 g) = 0.572 W/kg; SAR(10 g) = 0.237 W/kg

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

Maximum value of SAR (measured) = 0.814 W/kg



0 dB = 0.814 W/kg = -0.89 dBW/kg

WiFi 5GHz

Frequency: 5180 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
 Medium parameters used: $f = 5180 \text{ MHz}$; $\sigma = 5.253 \text{ S/m}$; $\epsilon_r = 49.483$; $\rho = 1000 \text{ kg/m}^3$

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE3 Sn427; Calibrated: 1/21/2014
- Probe: EX3DV4 - SN3902; ConvF(4.49, 4.49, 4.49); Calibrated: 5/19/2014;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: ELI-B v5.0; Type: QDOVA002AA; Serial: TP:1195

Rear/802.11a_Ch 36/Area Scan (17x28x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.719 W/kg

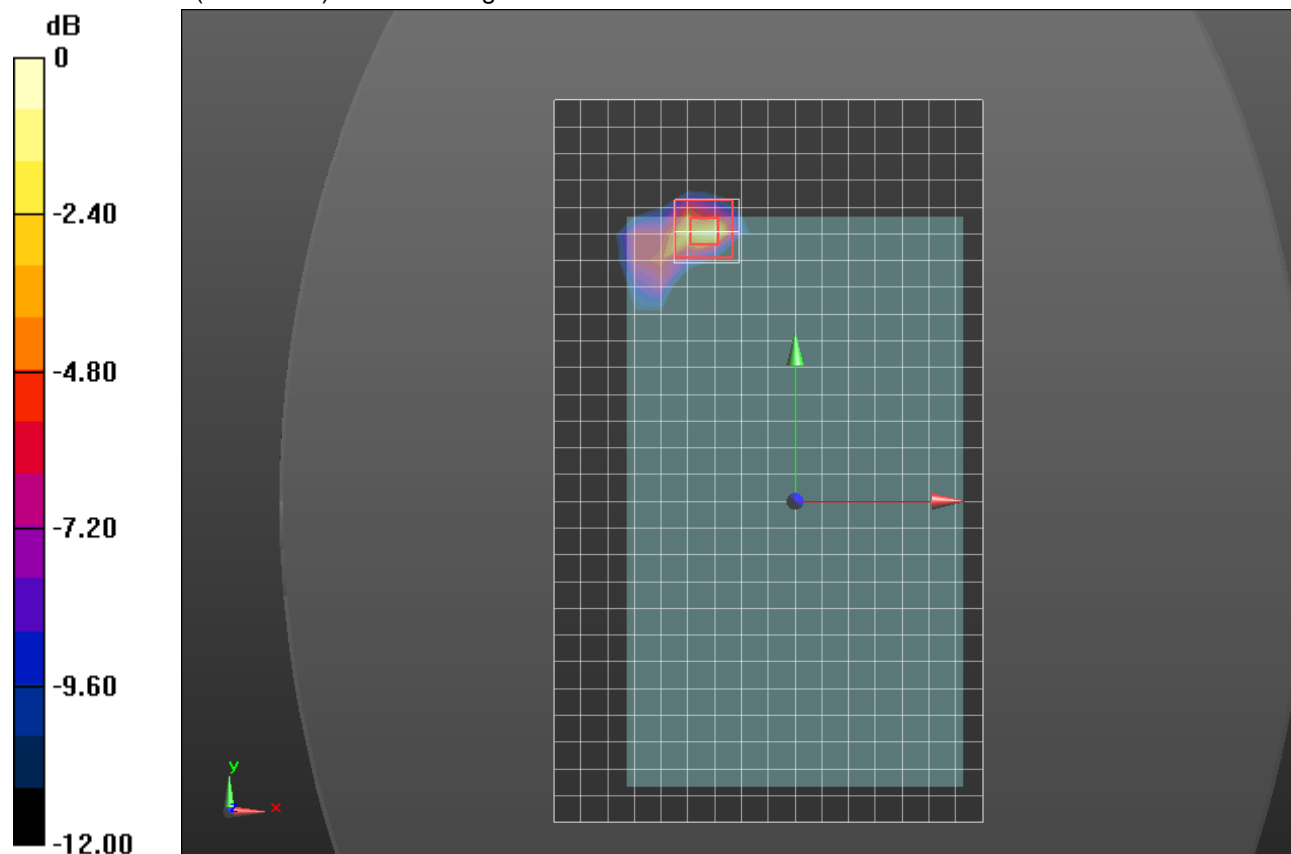
Rear/802.11a_Ch 36/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 12.265 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.66 W/kg

SAR(1 g) = 0.367 W/kg; SAR(10 g) = 0.092 W/kg

Maximum value of SAR (measured) = 0.810 W/kg



0 dB = 0.810 W/kg = -0.92 dBW/kg

WiFi 5GHz

Frequency: 5260 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
 Medium parameters used: $f = 5260 \text{ MHz}$; $\sigma = 5.356 \text{ S/m}$; $\epsilon_r = 49.356$; $\rho = 1000 \text{ kg/m}^3$

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE3 Sn427; Calibrated: 1/21/2014
- Probe: EX3DV4 - SN3902; ConvF(4.33, 4.33, 4.33); Calibrated: 5/19/2014;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: ELI-B v5.0; Type: QDOVA002AA; Serial: TP:1195

Rear/802.11a_Ch 52/Area Scan (17x28x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.531 W/kg

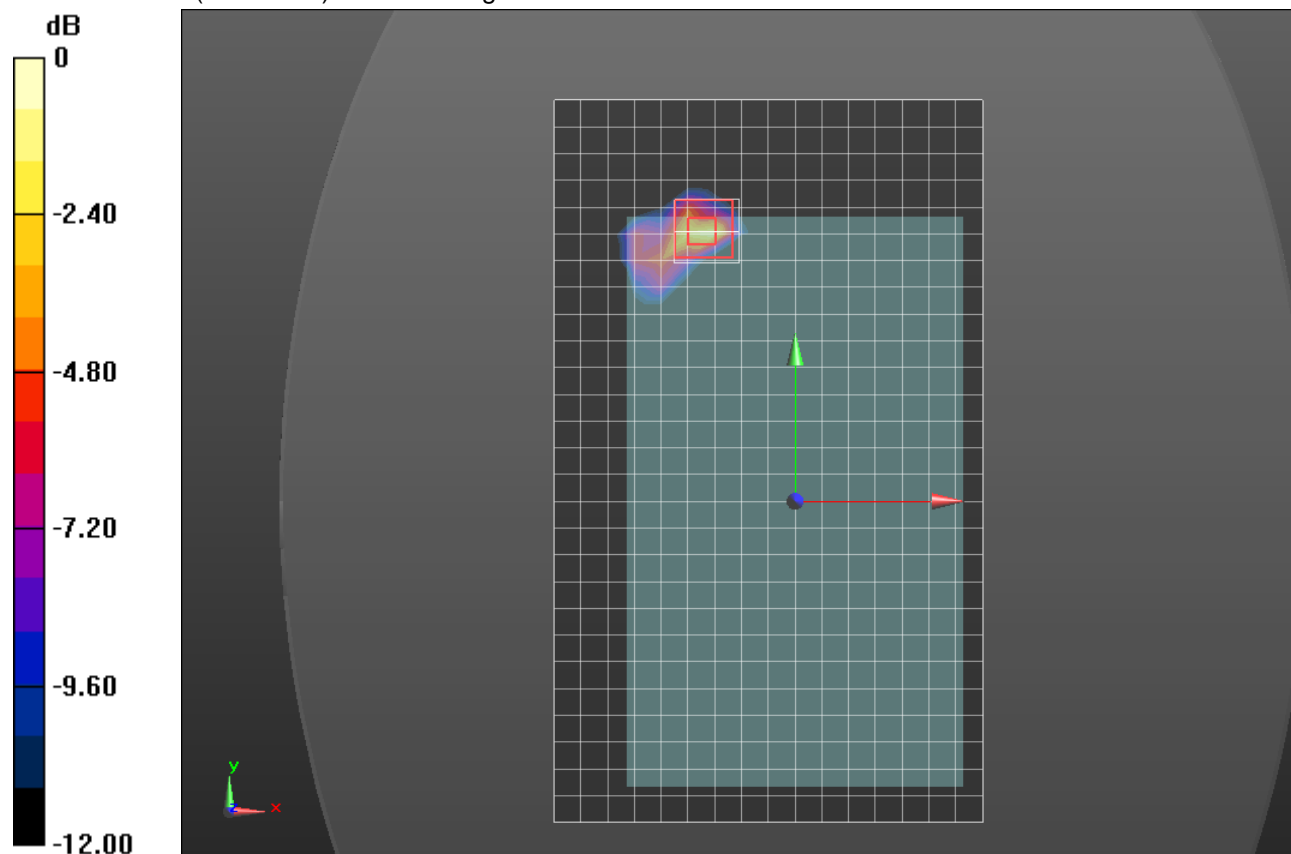
Rear/802.11a_Ch 52/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 10.408 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 1.30 W/kg

SAR(1 g) = 0.284 W/kg; SAR(10 g) = 0.068 W/kg

Maximum value of SAR (measured) = 0.634 W/kg



0 dB = 0.634 W/kg = -1.98 dBW/kg

WiFi 5GHz

Frequency: 5700 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
 Medium parameters used: $f = 5700 \text{ MHz}$; $\sigma = 5.919 \text{ S/m}$; $\epsilon_r = 48.71$; $\rho = 1000 \text{ kg/m}^3$

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE3 Sn427; Calibrated: 1/21/2014
- Probe: EX3DV4 - SN3902; ConvF(3.73, 3.73, 3.73); Calibrated: 5/19/2014;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: ELI-B v5.0; Type: QDOVA002AA; Serial: TP:1195

Rear/802.11a_Ch 140/Area Scan (17x28x1): Measurement grid: dx=10mm, dy=10mm

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

Rear/802.11a_Ch 140/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 8.878 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 2.36 W/kg

SAR(1 g) = 0.241 W/kg; SAR(10 g) = 0.067 W/kg

Maximum value of SAR (measured) = 0.522 W/kg

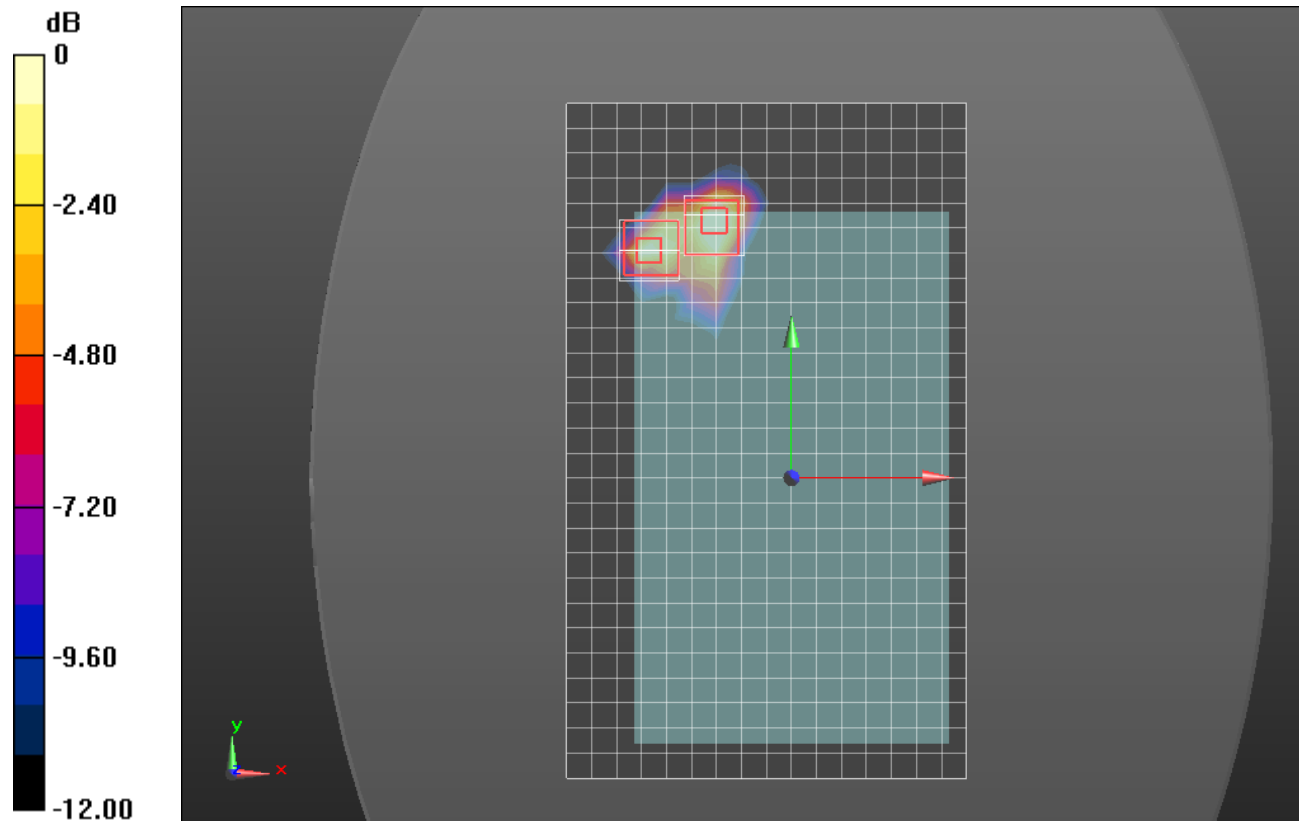
Rear/802.11a_Ch 140/Zoom Scan 2 (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 8.878 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.472 W/kg

SAR(1 g) = 0.105 W/kg; SAR(10 g) = 0.033 W/kg

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



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

WiFi 5GHz

Frequency: 5825 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
 Medium parameters used: $f = 5825 \text{ MHz}$; $\sigma = 6.261 \text{ S/m}$; $\epsilon_r = 46.717$; $\rho = 1000 \text{ kg/m}^3$

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE3 Sn427; Calibrated: 1/21/2014
- Probe: EX3DV4 - SN3902; ConvF(4.11, 4.11, 4.11); Calibrated: 5/19/2014;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: ELI-B v5.0; Type: QDOVA002AA; Serial: TP:1195

Rear/802.11a_Ch 165/Area Scan (12x13x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.864 W/kg

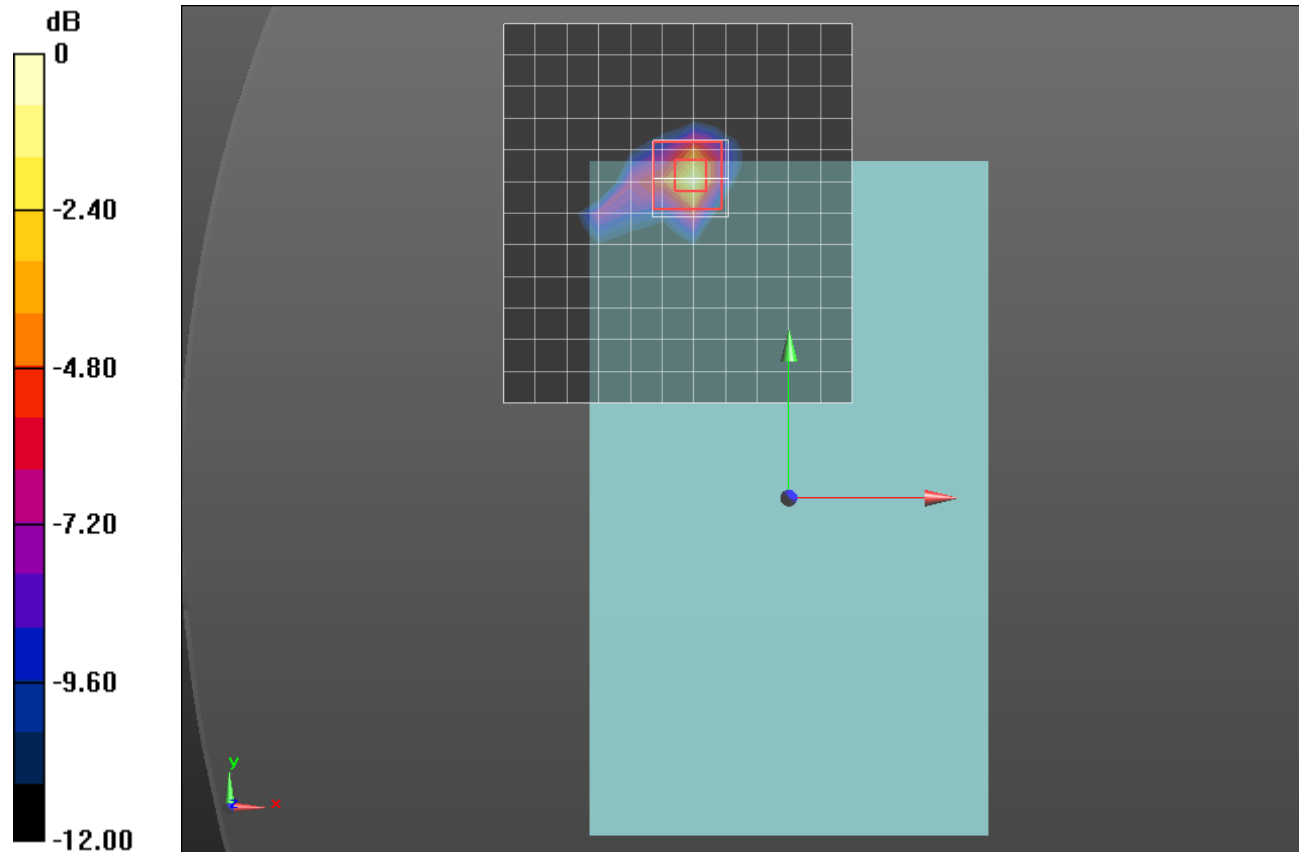
Rear/802.11a_Ch 165/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 12.124 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 2.20 W/kg

SAR(1 g) = 0.420 W/kg; SAR(10 g) = 0.104 W/kg

Maximum value of SAR (measured) = 0.944 W/kg



0 dB = 0.944 W/kg = -0.25 dBW/kg

WiFi 5GHz

Frequency: 5825 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
 Medium parameters used: $f = 5825 \text{ MHz}$; $\sigma = 6.261 \text{ S/m}$; $\epsilon_r = 46.717$; $\rho = 1000 \text{ kg/m}^3$

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE3 Sn427; Calibrated: 1/21/2014
- Probe: EX3DV4 - SN3902; ConvF(4.11, 4.11, 4.11); Calibrated: 5/19/2014;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: ELI-B v5.0; Type: QDOVA002AA; Serial: TP:1195

Edge 1/802.11a_Ch 165/Area Scan (9x11x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.790 W/kg

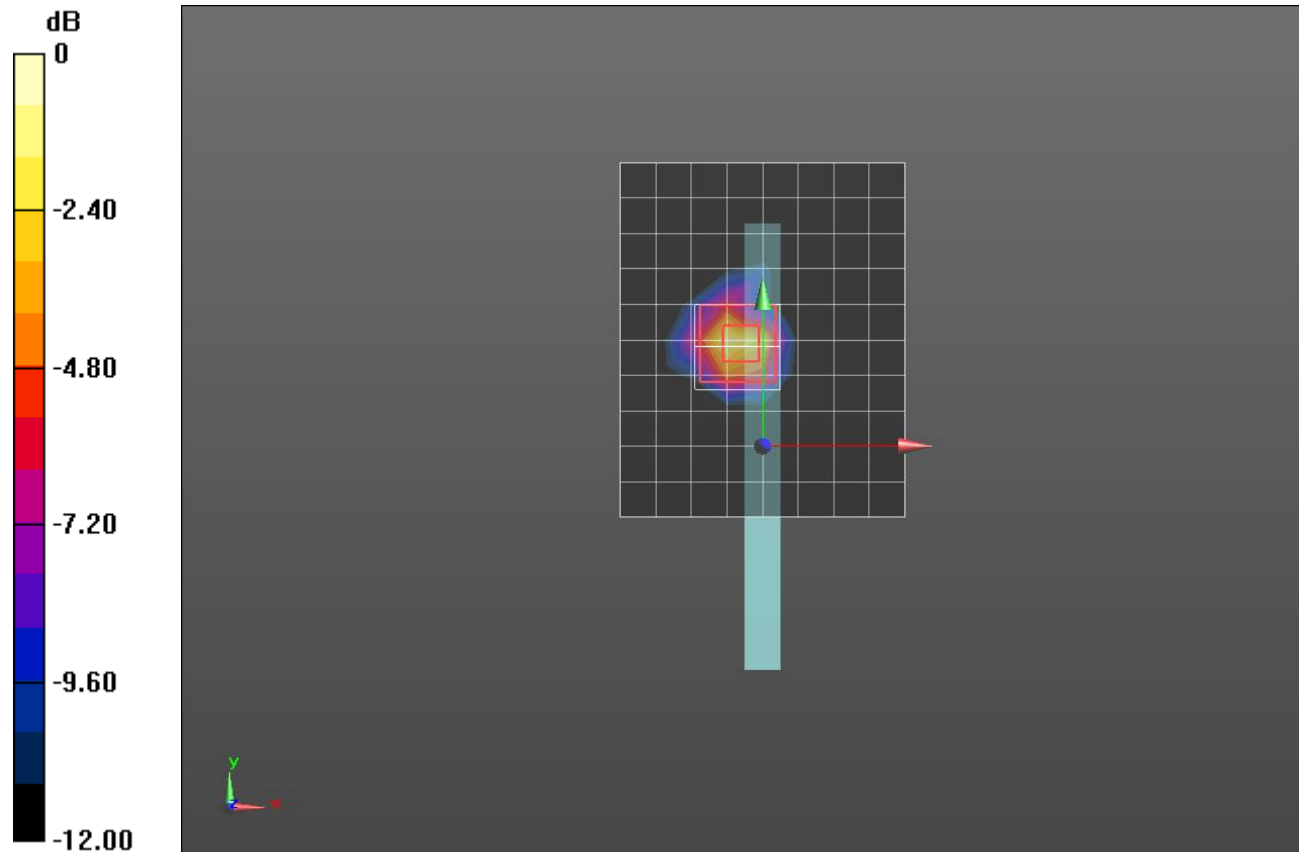
Edge 1/802.11a_Ch 165/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 5.473 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.99 W/kg

SAR(1 g) = 0.421 W/kg; SAR(10 g) = 0.109 W/kg

Maximum value of SAR (measured) = 0.918 W/kg



0 dB = 0.918 W/kg = -0.37 dBW/kg