

20131014_SystemPerformanceCheck-D2450V2 SN 706

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

Medium parameters used: $f = 2450$ MHz; $\sigma = 2$ S/m; $\epsilon_r = 51.698$; $\rho = 1000$ 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: DAE4 Sn1377; Calibrated: 7/15/2013
- Probe: EX3DV4 - SN3902; ConvF(7.2, 7.2, 7.2); Calibrated: 7/12/2013;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI-B v5.0; Type: QDOVA001BB; Serial: 1215

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

Reference Value = 61.912 V/m; Power Drift = -0.05 dB

Fast SAR: SAR(1 g) = 5.71 W/kg; SAR(10 g) = 2.47 W/kg

Maximum value of SAR (interpolated) = 8.36 W/kg

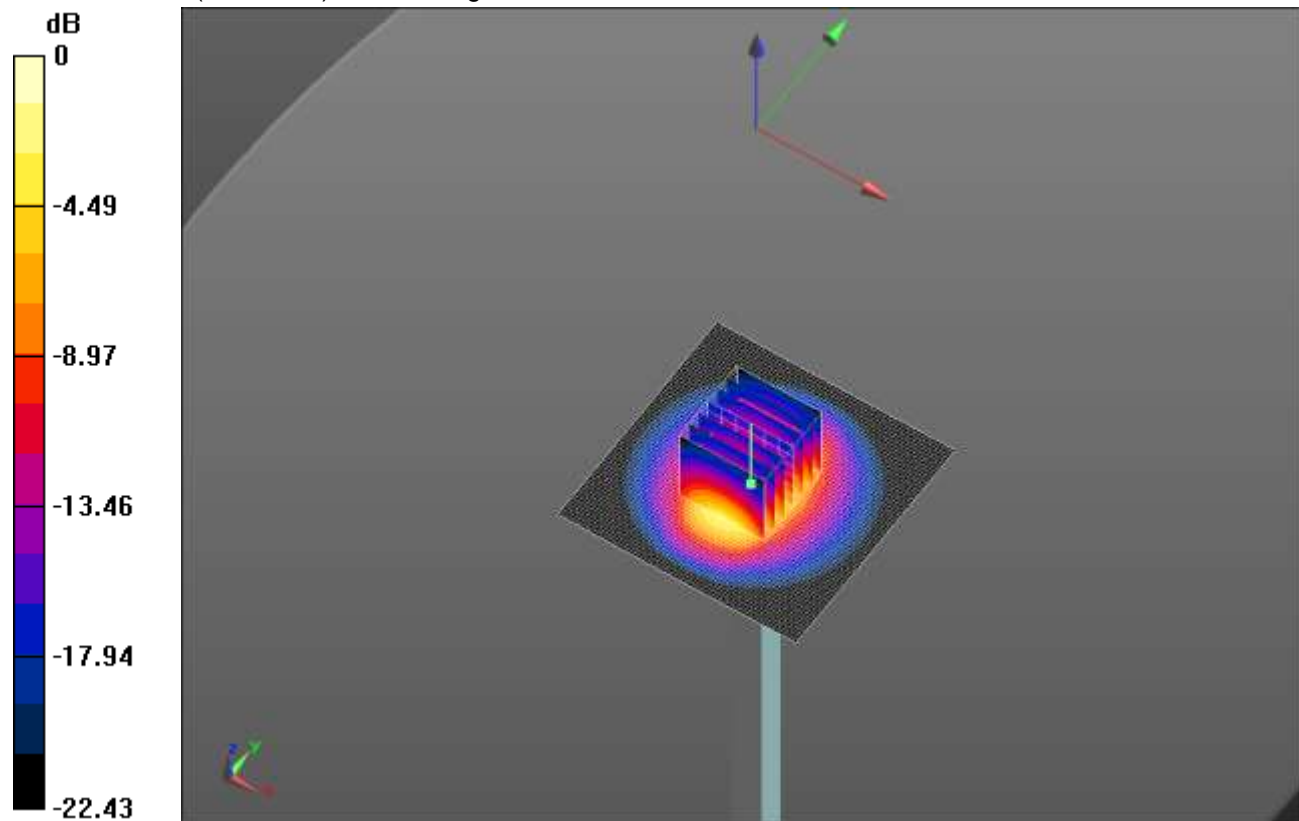
Body/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 61.912 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 11.1 W/kg

SAR(1 g) = 5.37 W/kg; SAR(10 g) = 2.48 W/kg

Maximum value of SAR (measured) = 7.64 W/kg

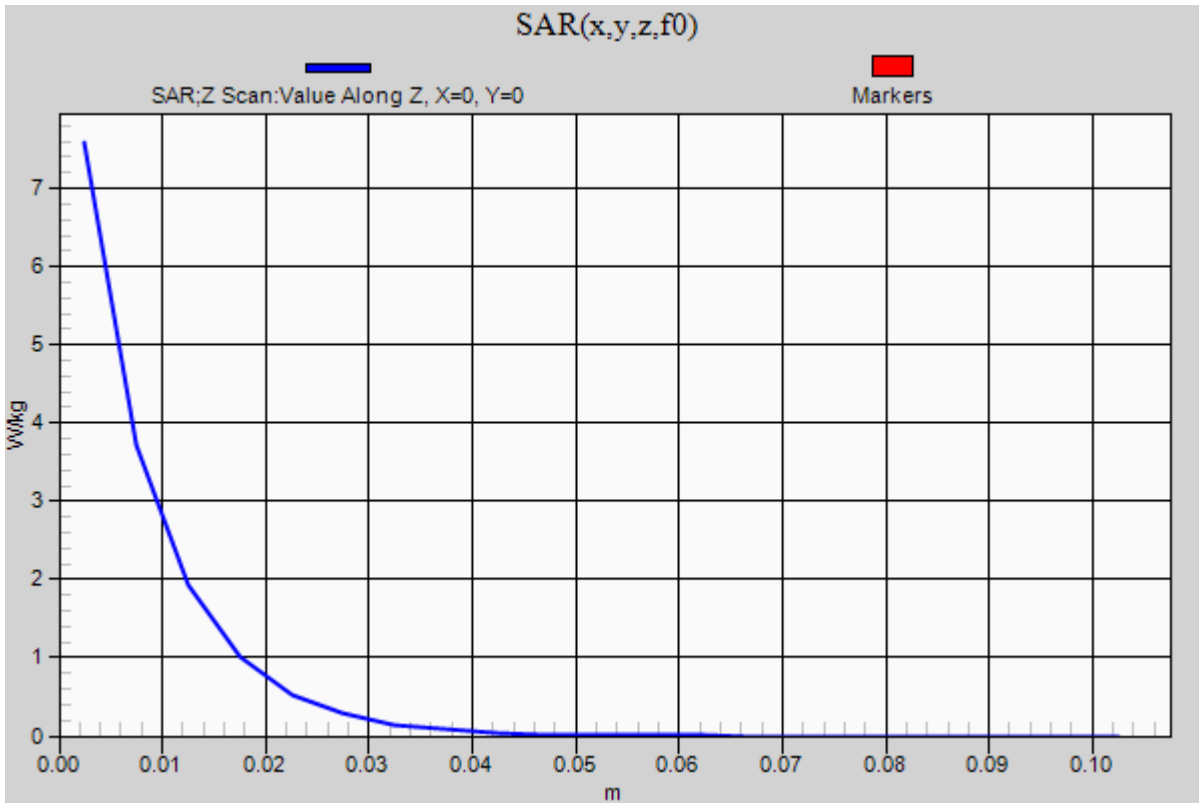


0 dB = 7.64 W/kg = 8.83 dBW/kg

20131014_SystemPerformanceCheck-D2450V2 SN 706

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) = 7.58 W/kg



20131014_SystemPerformanceCheck-D5GHzV2 SN 1003

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

Medium parameters used: $f = 5200$ MHz; $\sigma = 5.066$ S/m; $\epsilon_r = 48.88$; $\rho = 1000$ 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: DAE4 Sn1377; Calibrated: 7/15/2013
- Probe: EX3DV4 - SN3902; ConvF(4.76, 4.76, 4.76); Calibrated: 7/12/2013;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1213

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

Reference Value = 46.578 V/m; Power Drift = -0.12 dB

Fast SAR: SAR(1 g) = 6.64 W/kg; SAR(10 g) = 1.89 W/kg

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

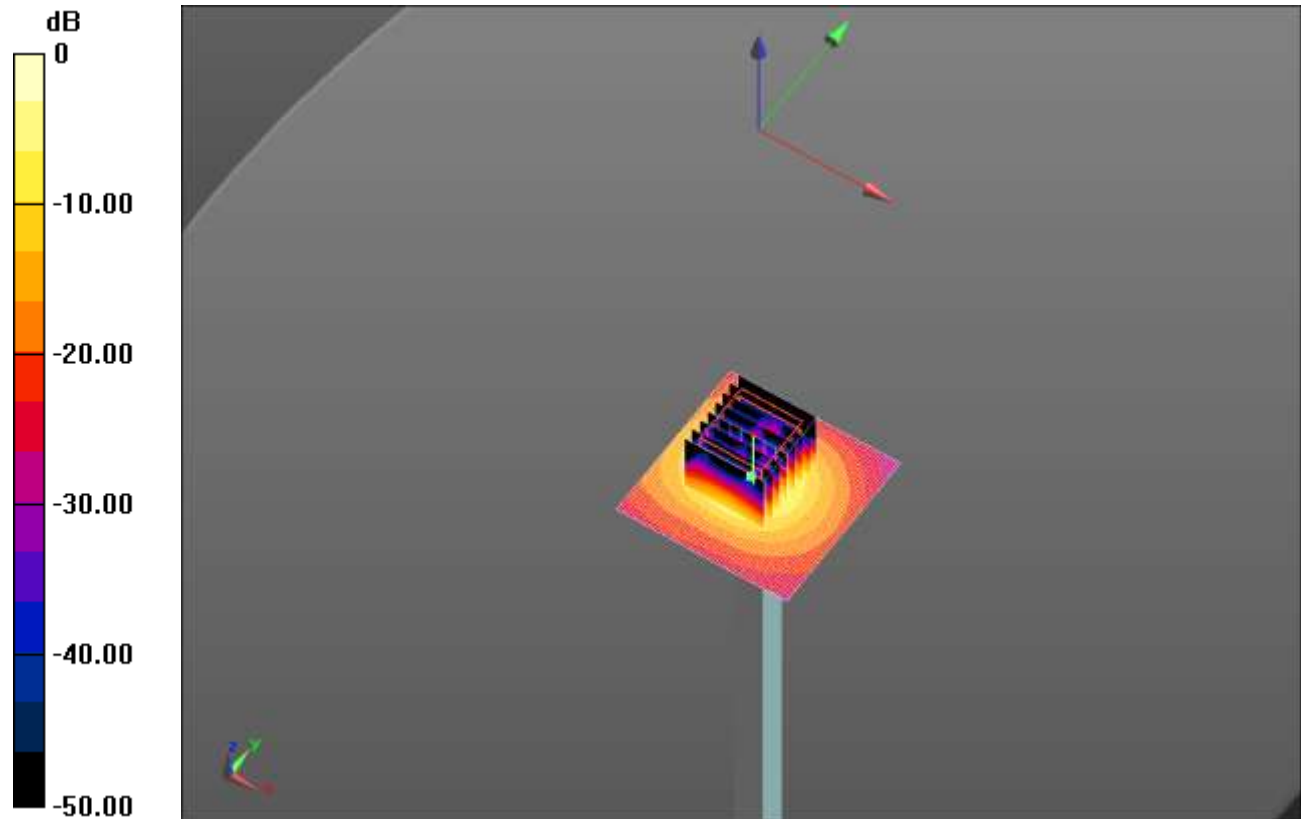
Body/5.2 GHz, Pin=100mW/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 46.578 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 31.3 W/kg

SAR(1 g) = 7 W/kg; SAR(10 g) = 1.96 W/kg

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

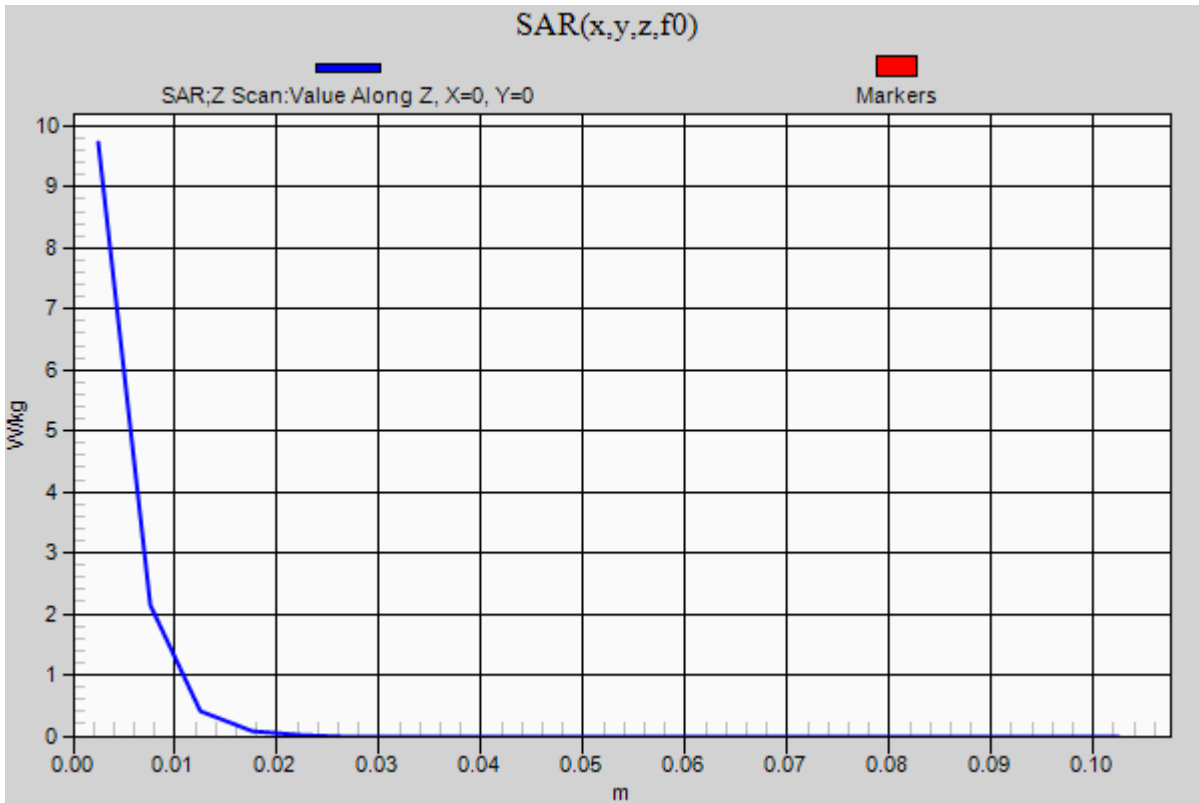


0 dB = 16.8 W/kg = 12.25 dBW/kg

20131014_SystemPerformanceCheck-D5GHzV2 SN 1003

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) = 9.72 W/kg



20131014_SystemPerformanceCheck-D5GHzV2 SN 1003

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

Medium parameters used: $f = 5600$ MHz; $\sigma = 5.57$ S/m; $\epsilon_r = 48.363$; $\rho = 1000$ 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: DAE4 Sn1377; Calibrated: 7/15/2013
- Probe: EX3DV4 - SN3902; ConvF(3.93, 3.93, 3.93); Calibrated: 7/12/2013;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1213

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

Reference Value = 45.433 V/m; Power Drift = -0.03 dB

Fast SAR: SAR(1 g) = 6.49 W/kg; SAR(10 g) = 1.85 W/kg

Maximum value of SAR (interpolated) = 17.2 W/kg

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

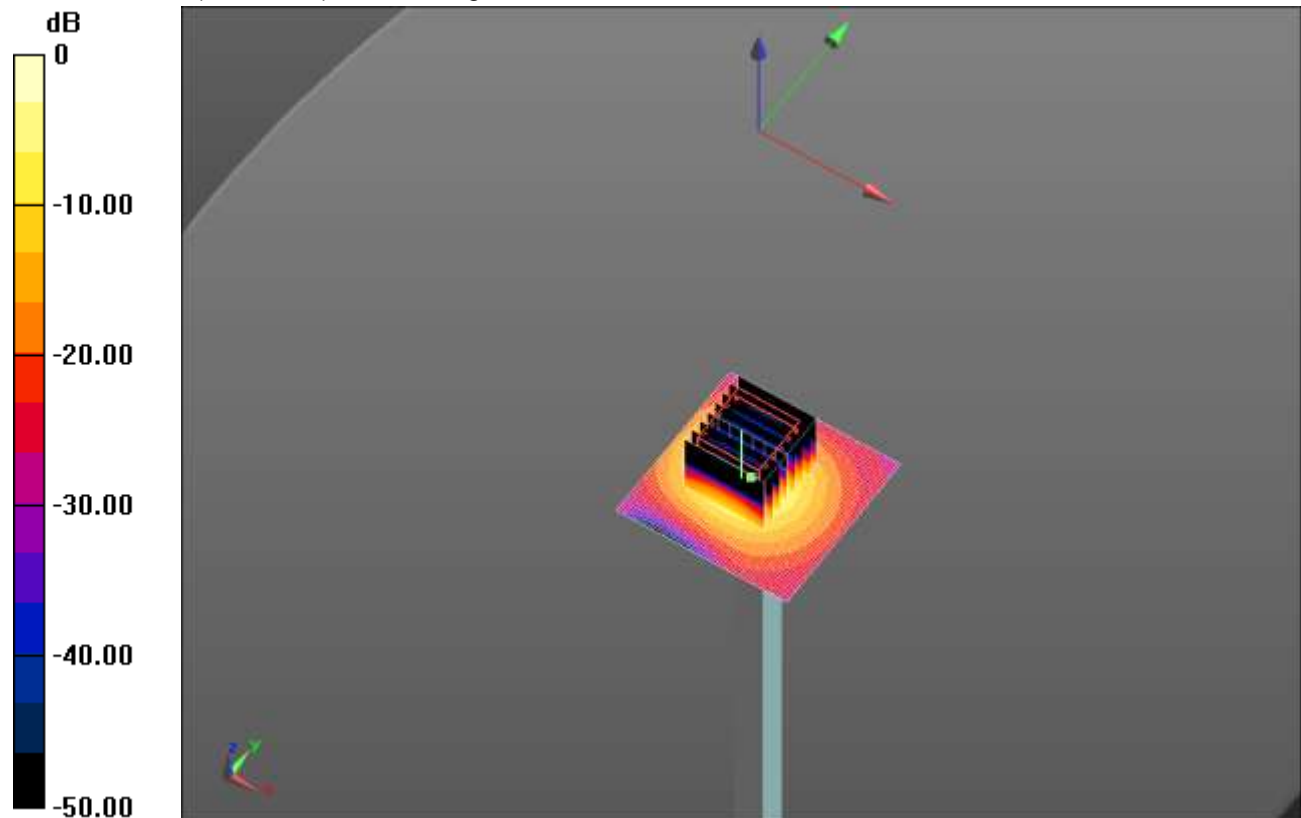
dz=1.4mm

Reference Value = 45.433 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 35.8 W/kg

SAR(1 g) = 7.52 W/kg; SAR(10 g) = 2.1 W/kg

Maximum value of SAR (measured) = 19.0 W/kg

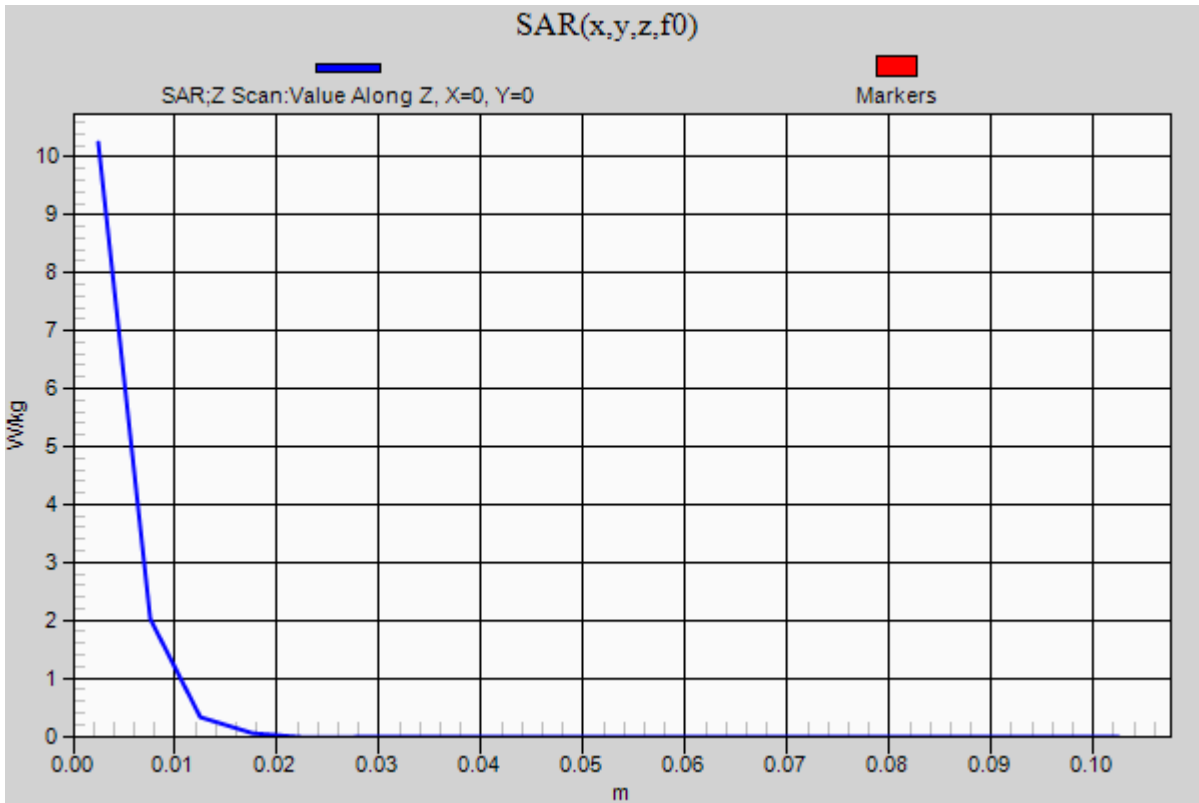


0 dB = 19.0 W/kg = 12.79 dBW/kg

20131014_SystemPerformanceCheck-D5GHzV2 SN 1003

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) = 10.2 W/kg



20131014_SystemPerformanceCheck-D5GHzV2 SN 1003

Frequency: 5800 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used: $f = 5800 \text{ MHz}$; $\sigma = 5.834 \text{ S/m}$; $\epsilon_r = 48.126$; $\rho = 1000 \text{ kg/m}^3$

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: DAE4 Sn1377; Calibrated: 7/15/2013
- Probe: EX3DV4 - SN3902; ConvF(4.23, 4.23, 4.23); Calibrated: 7/12/2013;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1213

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

Reference Value = 41.358 V/m; Power Drift = 0.08 dB

Fast SAR: SAR(1 g) = 6.29 W/kg; SAR(10 g) = 1.78 W/kg

Maximum value of SAR (interpolated) = 17.0 W/kg

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

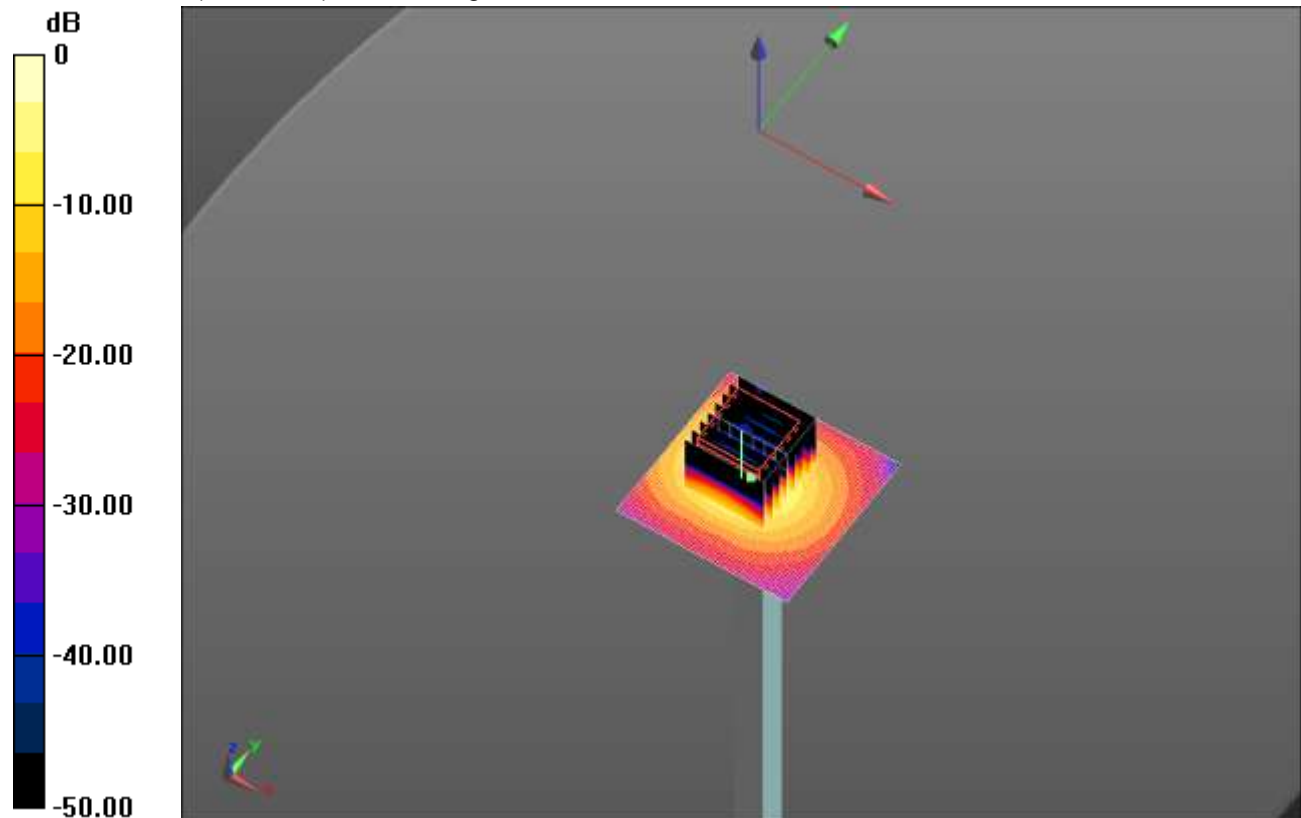
dz=1.4mm

Reference Value = 41.358 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 32.6 W/kg

SAR(1 g) = 6.77 W/kg; SAR(10 g) = 1.88 W/kg

Maximum value of SAR (measured) = 16.9 W/kg

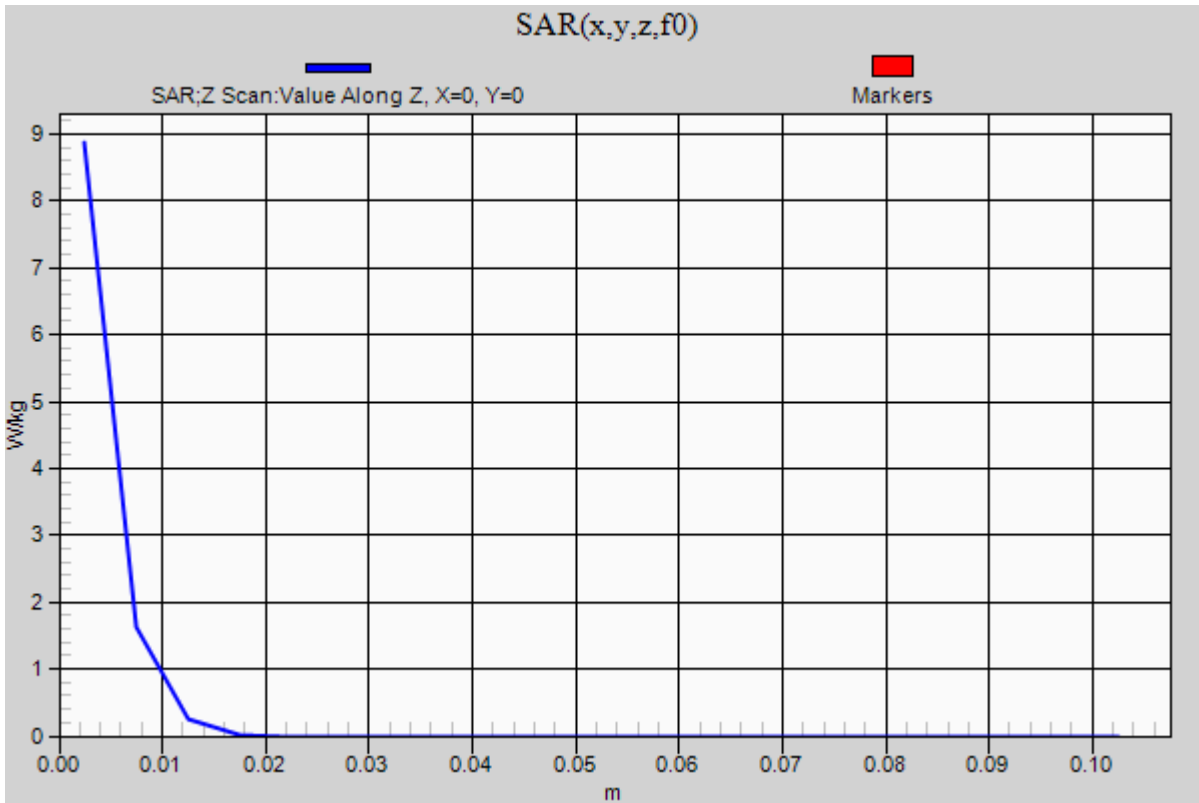


0 dB = 16.9 W/kg = 12.28 dBW/kg

20131014_SystemPerformanceCheck-D5GHzV2 SN 1003

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) = 8.87 W/kg



20131017_SystemPerformanceCheck-D5GHzV2 SN 1003

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

Medium parameters used: $f = 5200$ MHz; $\sigma = 5.412$ S/m; $\epsilon_r = 48.478$; $\rho = 1000$ 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: DAE4 Sn1377; Calibrated: 7/15/2013
- Probe: EX3DV4 - SN3902; ConvF(4.76, 4.76, 4.76); Calibrated: 7/12/2013;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1213

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

Reference Value = 42.727 V/m; Power Drift = 0.10 dB

Fast SAR: SAR(1 g) = 8.54 W/kg; SAR(10 g) = 2.47 W/kg

Maximum value of SAR (interpolated) = 21.5 W/kg

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

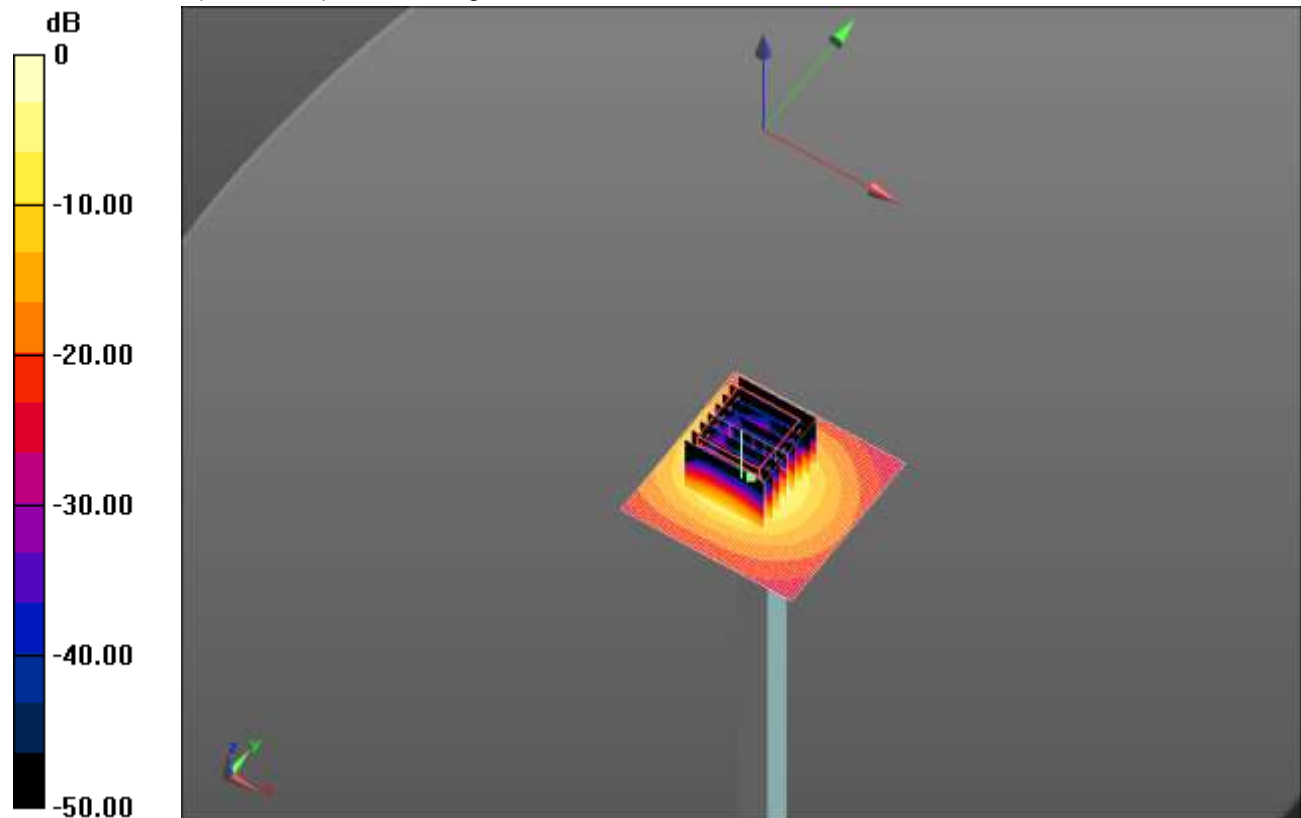
dz=1.4mm

Reference Value = 42.727 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 32.2 W/kg

SAR(1 g) = 7.39 W/kg; SAR(10 g) = 2.08 W/kg

Maximum value of SAR (measured) = 17.9 W/kg

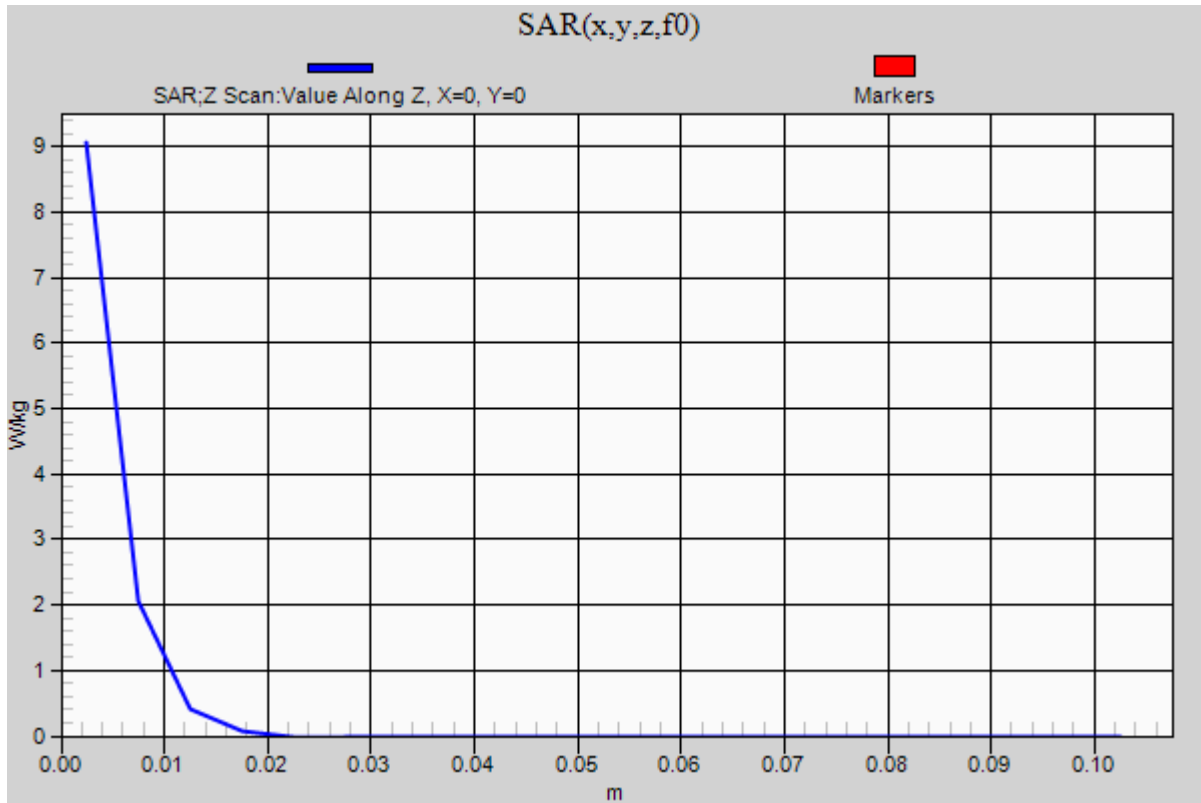


0 dB = 17.9 W/kg = 12.53 dBW/kg

20131017_SystemPerformanceCheck-D5GHzV2 SN 1003

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) = 9.06 W/kg



20131017_SystemPerformanceCheck-D5GHzV2 SN 1003

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

Medium parameters used: $f = 5600$ MHz; $\sigma = 5.95$ S/m; $\epsilon_r = 47.798$; $\rho = 1000$ 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: DAE4 Sn1377; Calibrated: 7/15/2013
- Probe: EX3DV4 - SN3902; ConvF(3.93, 3.93, 3.93); Calibrated: 7/12/2013;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1213

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

Reference Value = 46.355 V/m; Power Drift = 0.13 dB

Fast SAR: SAR(1 g) = 9.87 W/kg; SAR(10 g) = 2.79 W/kg

Maximum value of SAR (interpolated) = 26.6 W/kg

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

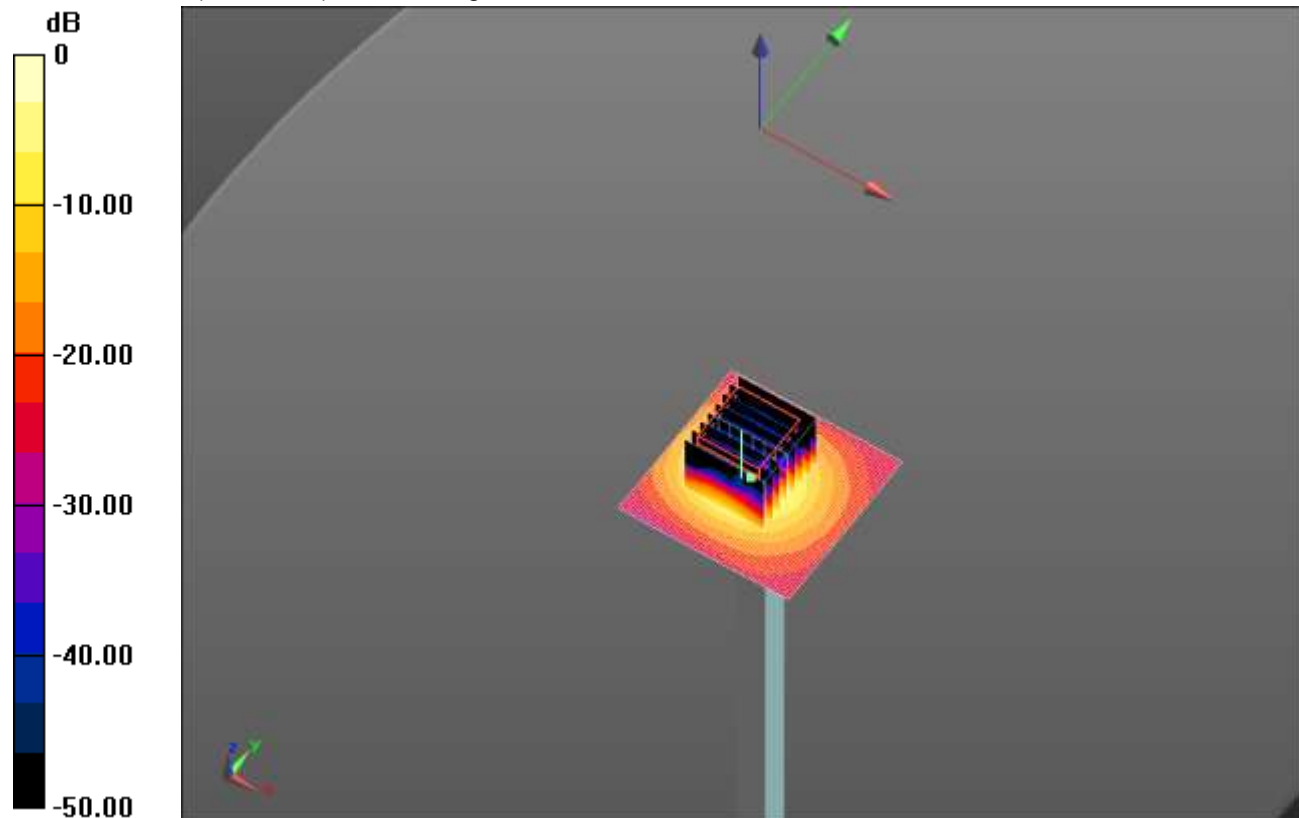
dz=1.4mm

Reference Value = 46.355 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 40.3 W/kg

SAR(1 g) = 8.5 W/kg; SAR(10 g) = 2.36 W/kg

Maximum value of SAR (measured) = 21.3 W/kg

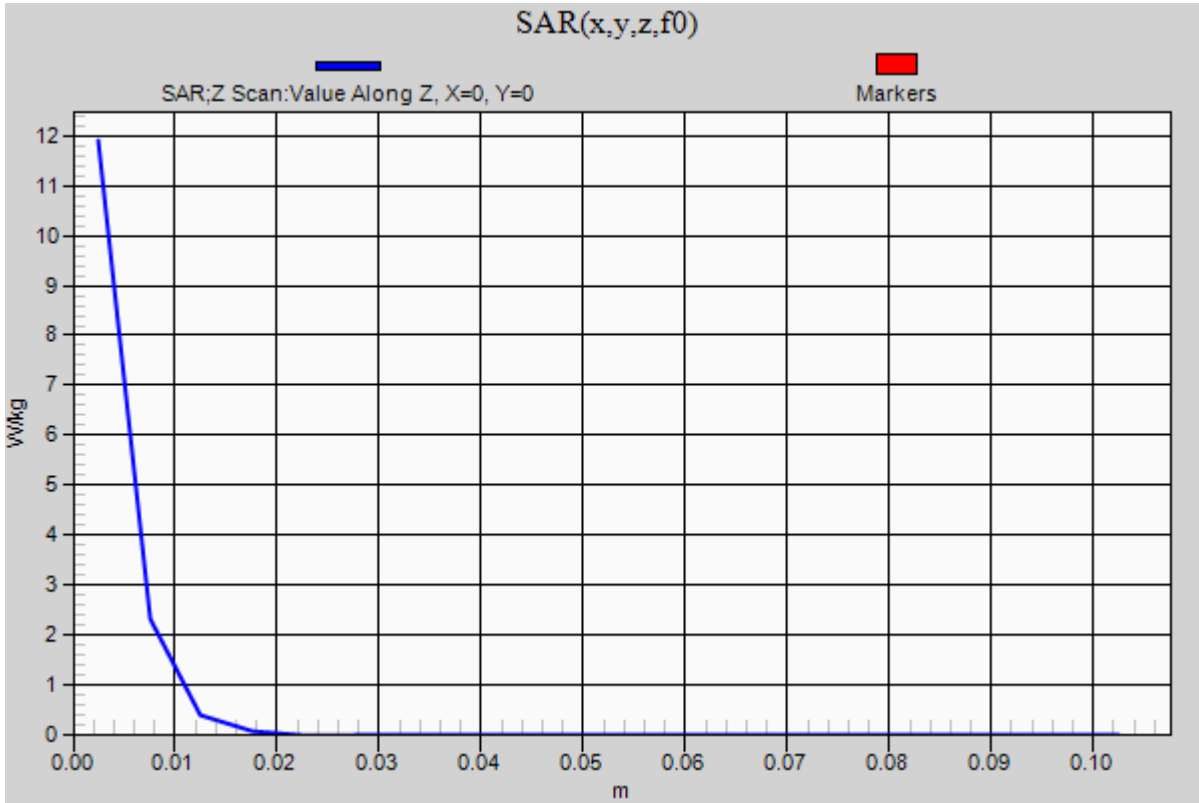


0 dB = 21.3 W/kg = 13.28 dBW/kg

20131017_SystemPerformanceCheck-D5GHzV2 SN 1003

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) = 11.9 W/kg



20131017_SystemPerformanceCheck-D5GHzV2 SN 1003

Frequency: 5800 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used: $f = 5800 \text{ MHz}$; $\sigma = 6.216 \text{ S/m}$; $\epsilon_r = 47.571$; $\rho = 1000 \text{ kg/m}^3$

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: DAE4 Sn1377; Calibrated: 7/15/2013
- Probe: EX3DV4 - SN3902; ConvF(4.23, 4.23, 4.23); Calibrated: 7/12/2013;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1213

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

Reference Value = 43.227 V/m; Power Drift = 0.04 dB

Fast SAR: SAR(1 g) = 8.18 W/kg; SAR(10 g) = 2.33 W/kg

Maximum value of SAR (interpolated) = 22.0 W/kg

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

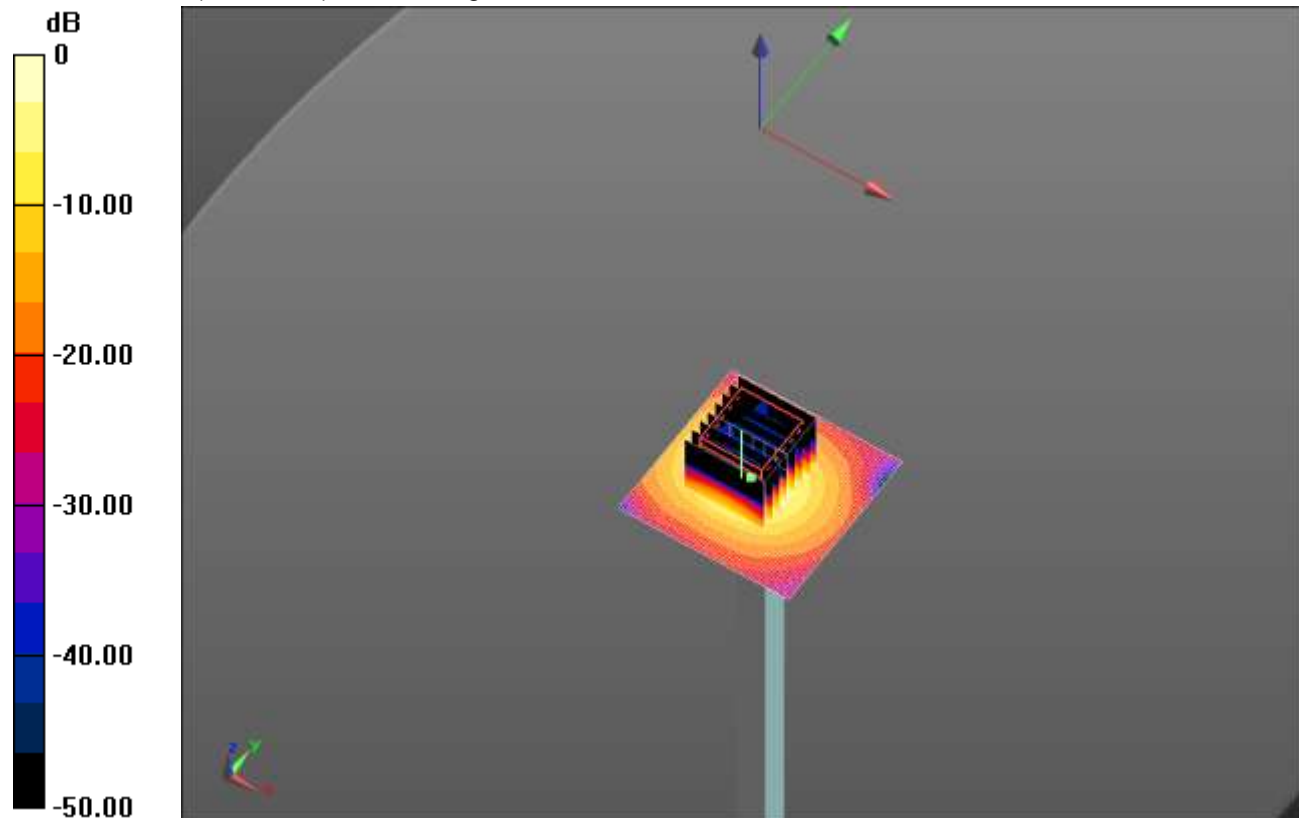
dz=1.4mm

Reference Value = 43.227 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 35.4 W/kg

SAR(1 g) = 7.24 W/kg; SAR(10 g) = 2 W/kg

Maximum value of SAR (measured) = 17.8 W/kg

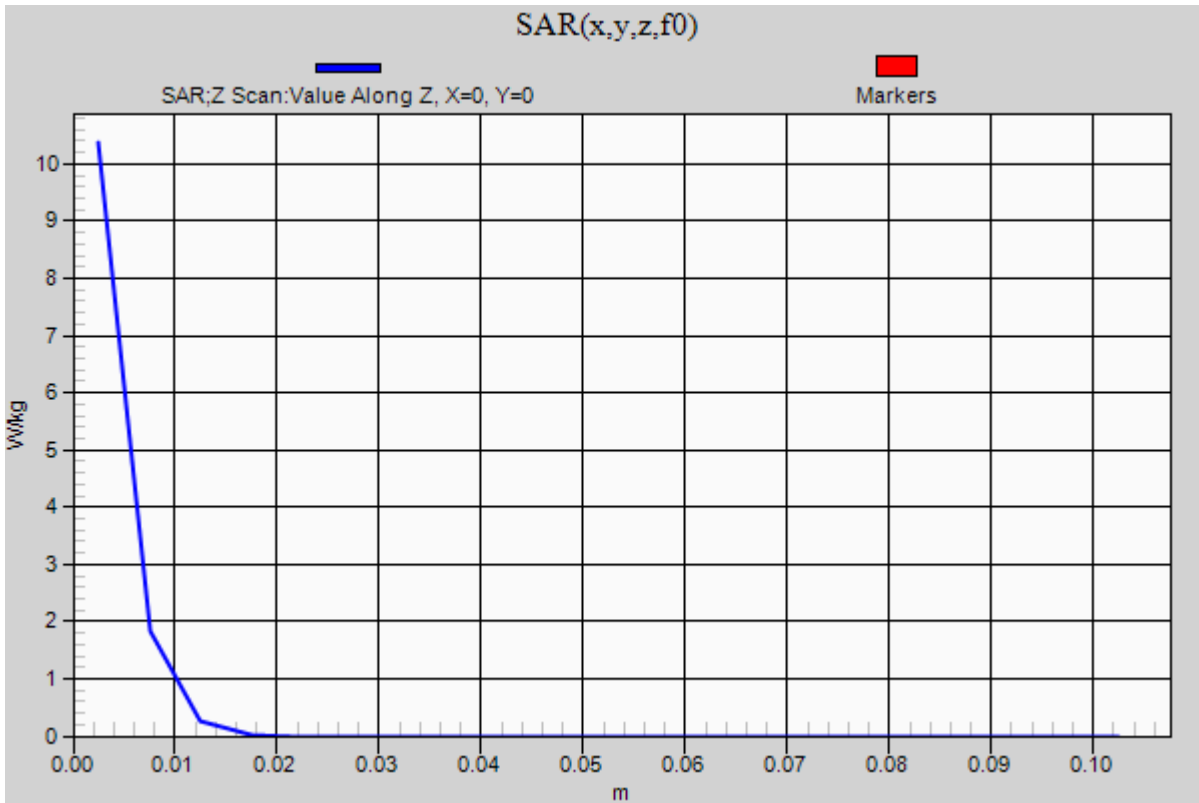


0 dB = 17.8 W/kg = 12.50 dBW/kg

20131017_SystemPerformanceCheck-D5GHzV2 SN 1003

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) = 10.4 W/kg



20131029_SystemPerformanceCheck-D5GHzV2 SN 1003

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

Medium parameters used: $f = 5200$ MHz; $\sigma = 5.436$ S/m; $\epsilon_r = 48.528$; $\rho = 1000$ 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: DAE4 Sn1259; Calibrated: 2/7/2013
- Probe: EX3DV4 - SN3929; ConvF(4.28, 4.28, 4.28); Calibrated: 6/24/2013;
- 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 = 46.777 V/m; Power Drift = 0.17 dB

Fast SAR: SAR(1 g) = 6.62 W/kg; SAR(10 g) = 1.85 W/kg

Maximum value of SAR (interpolated) = 16.9 W/kg

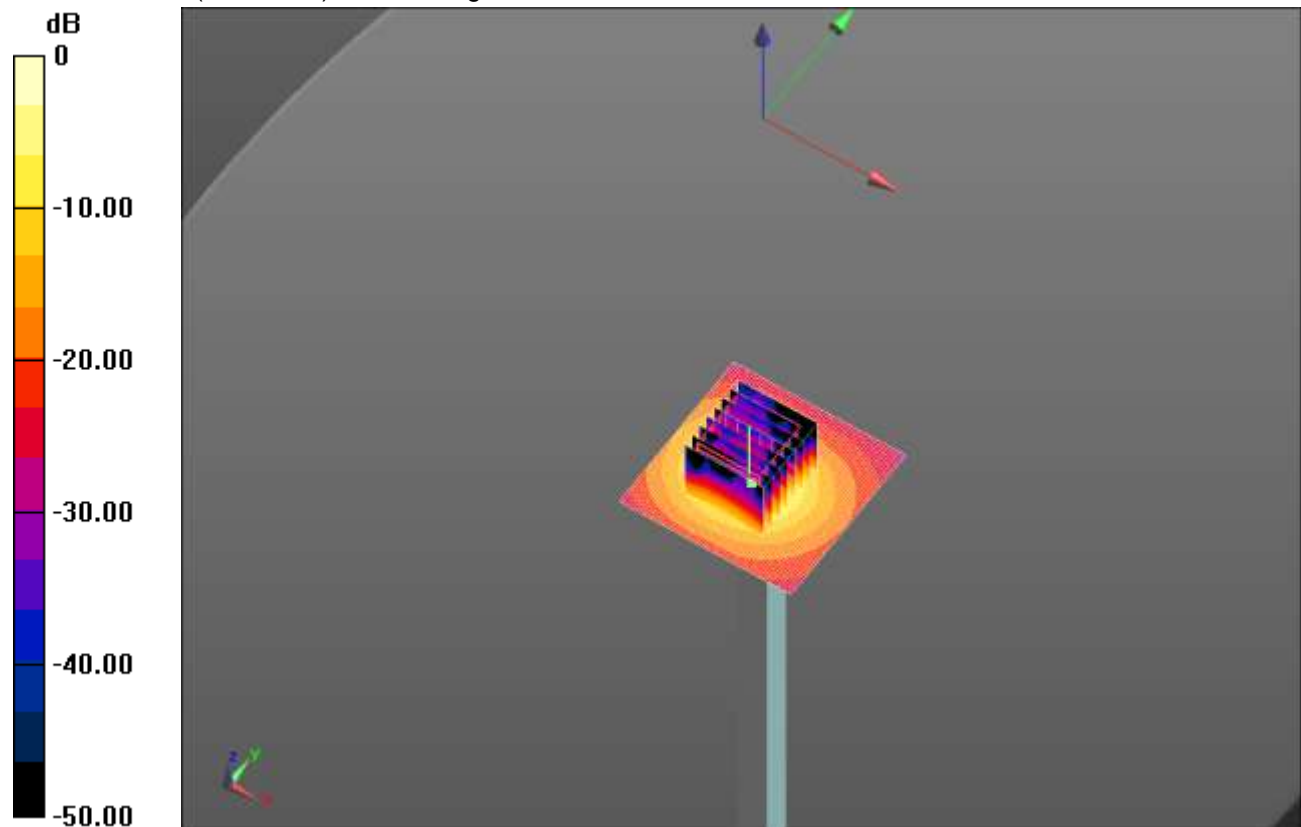
Body/5.2 GHz, Pin=100mW/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 46.777 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 29.3 W/kg

SAR(1 g) = 7.03 W/kg; SAR(10 g) = 1.96 W/kg

Maximum value of SAR (measured) = 16.9 W/kg

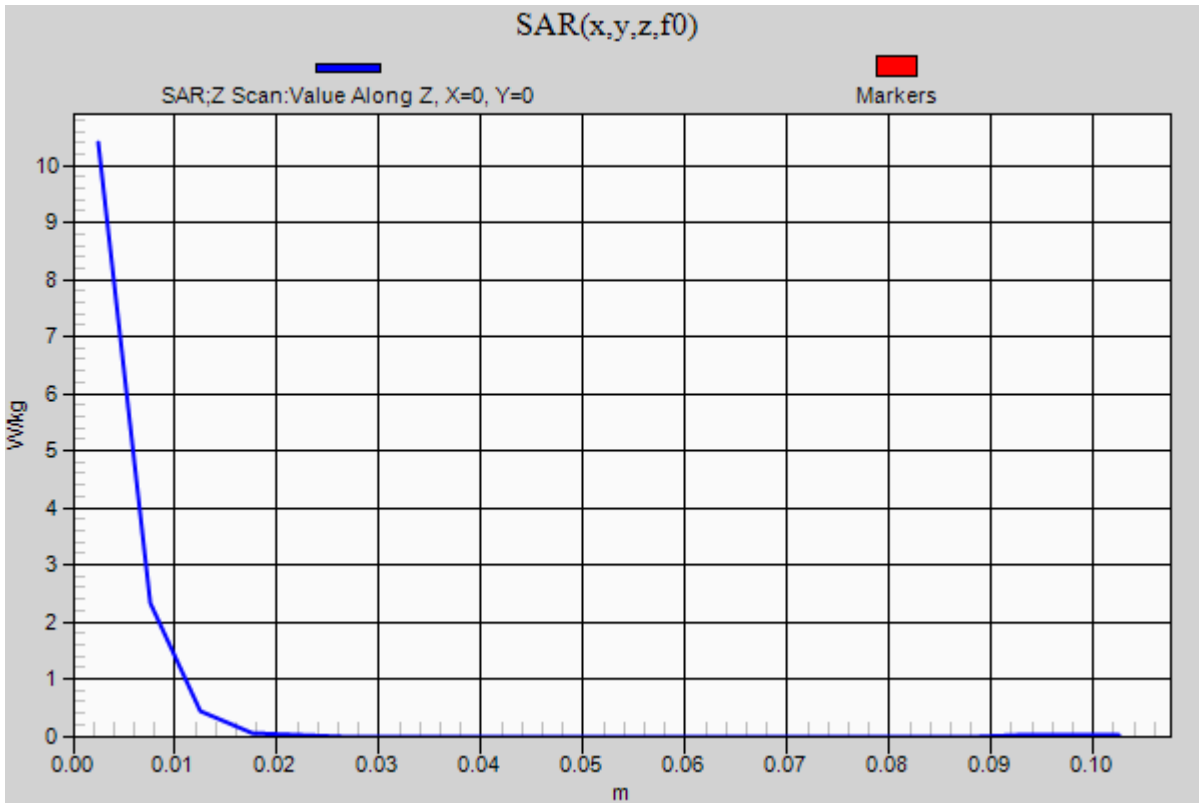


0 dB = 16.9 W/kg = 12.28 dBW/kg

20131029_SystemPerformanceCheck-D5GHzV2 SN 1003

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) = 10.4 W/kg



20131029_SystemPerformanceCheck-D5GHzV2 SN 1003

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

Medium parameters used: $f = 5600$ MHz; $\sigma = 5.96$ S/m; $\epsilon_r = 47.777$; $\rho = 1000$ 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: DAE4 Sn1259; Calibrated: 2/7/2013
- Probe: EX3DV4 - SN3929; ConvF(3.62, 3.62, 3.62); Calibrated: 6/24/2013;
- 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 = 48.045 V/m; Power Drift = 0.12 dB

Fast SAR: SAR(1 g) = 7.48 W/kg; SAR(10 g) = 2.07 W/kg

Maximum value of SAR (interpolated) = 20.1 W/kg

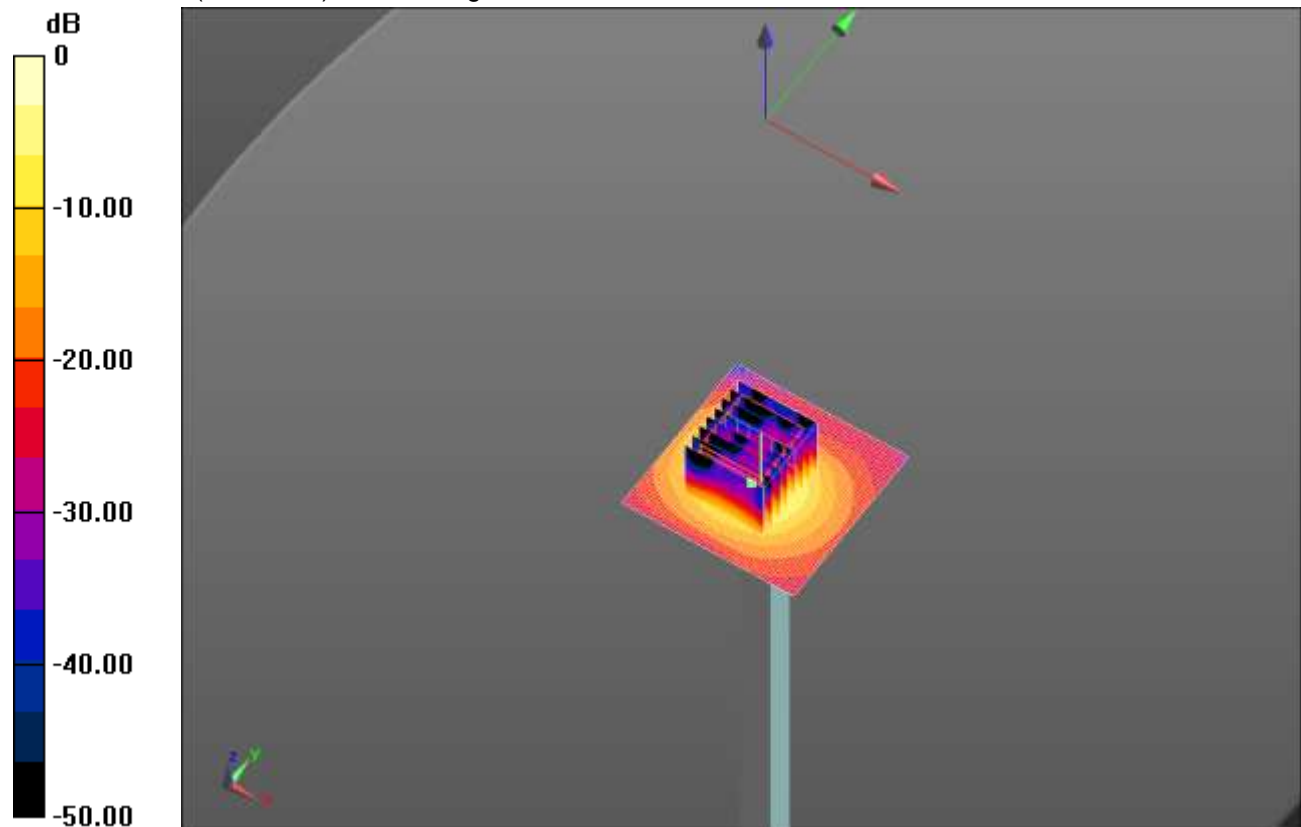
Body/5.6 GHz, Pin=100mW/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 48.045 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 35.6 W/kg

SAR(1 g) = 8.04 W/kg; SAR(10 g) = 2.23 W/kg

Maximum value of SAR (measured) = 19.6 W/kg

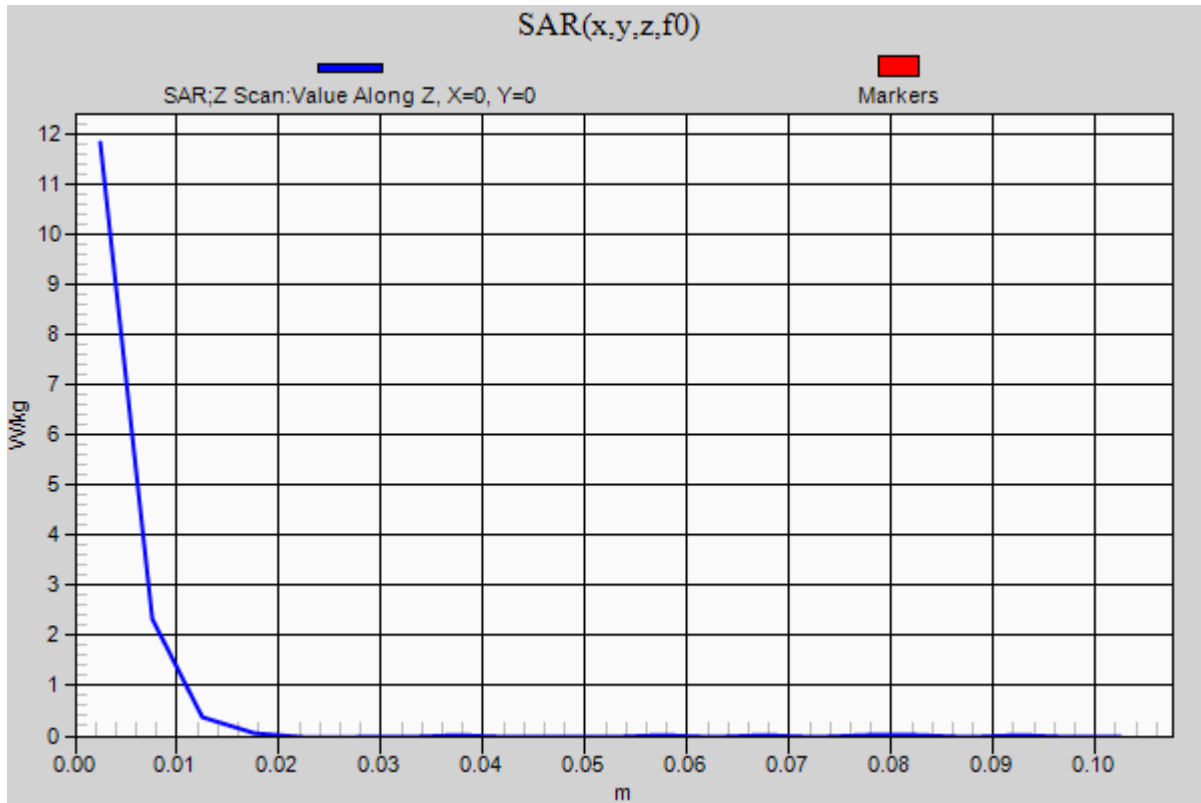


0 dB = 19.6 W/kg = 12.92 dBW/kg

20131029_SystemPerformanceCheck-D5GHzV2 SN 1003

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) = 11.8 W/kg



20131029_SystemPerformanceCheck-D5GHzV2 SN 1003

Frequency: 5800 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used: $f = 5800$ MHz; $\sigma = 6.231$ S/m; $\epsilon_r = 47.519$; $\rho = 1000$ 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: DAE4 Sn1259; Calibrated: 2/7/2013
- Probe: EX3DV4 - SN3929; ConvF(3.81, 3.81, 3.81); Calibrated: 6/24/2013;
- 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 = 44.383 V/m; Power Drift = 0.13 dB

Fast SAR: SAR(1 g) = 6.58 W/kg; SAR(10 g) = 1.81 W/kg

Maximum value of SAR (interpolated) = 18.1 W/kg

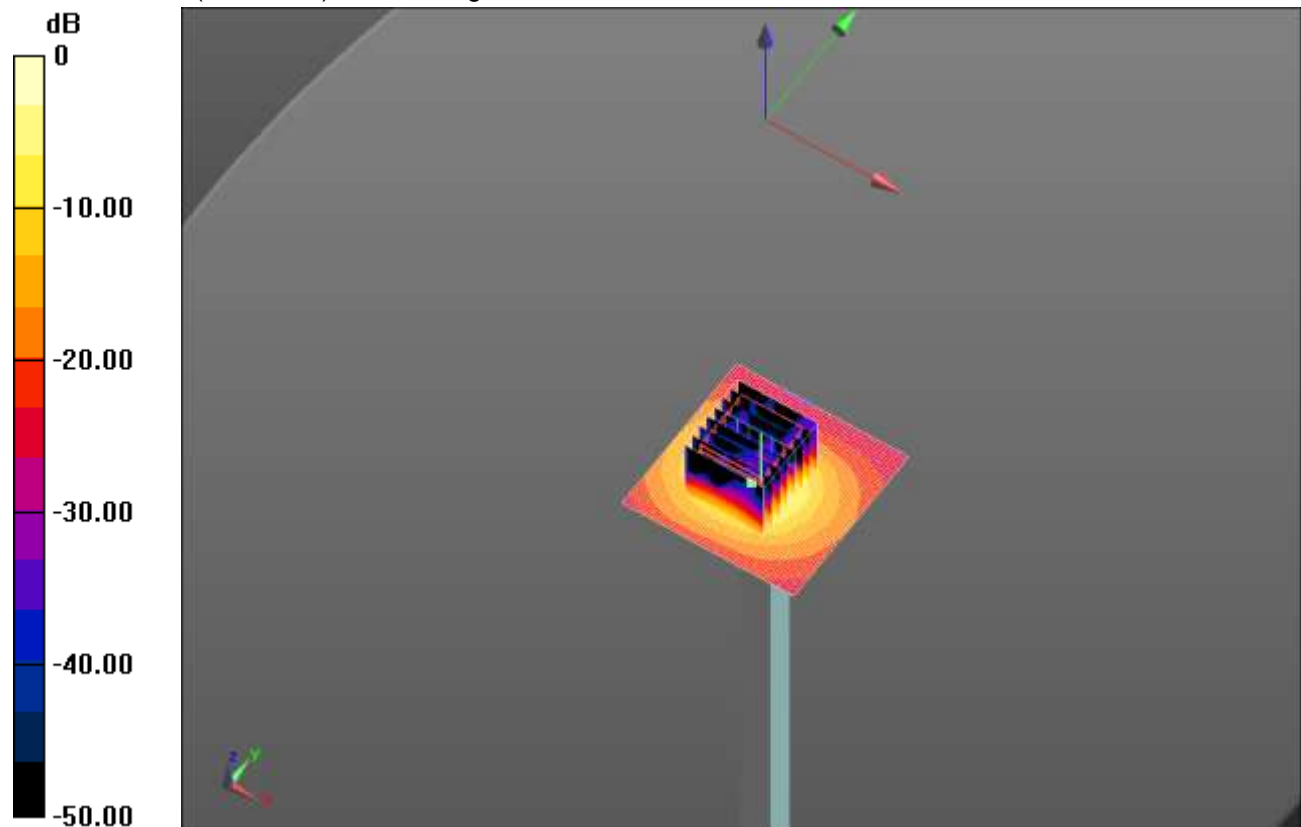
Body/5.8 GHz, Pin=100mW/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 44.383 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 31.4 W/kg

SAR(1 g) = 6.99 W/kg; SAR(10 g) = 1.93 W/kg

Maximum value of SAR (measured) = 17.3 W/kg



0 dB = 17.3 W/kg = 12.38 dBW/kg

20131029_SystemPerformanceCheck-D5GHzV2 SN 1003

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) = 10.5 W/kg

