

20190128_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; $\sigma = 1.991$ S/m; $\epsilon_r = 50.557$; $\rho = 1000$ 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: DAE4 Sn1377; Calibrated: 9/14/2018
- Probe: EX3DV4 - SN3772; ConvF(6.97, 6.97, 6.97); Calibrated: 2/13/2018, ConvF(6.97, 6.97, 6.97); Calibrated: 2/13/2018;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI V5.0 Slot 6/7; Type: QD OVA 001 BB; Serial: 1118

Body/Pin=100 mW/Area Scan (8x8x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 6.84 W/kg

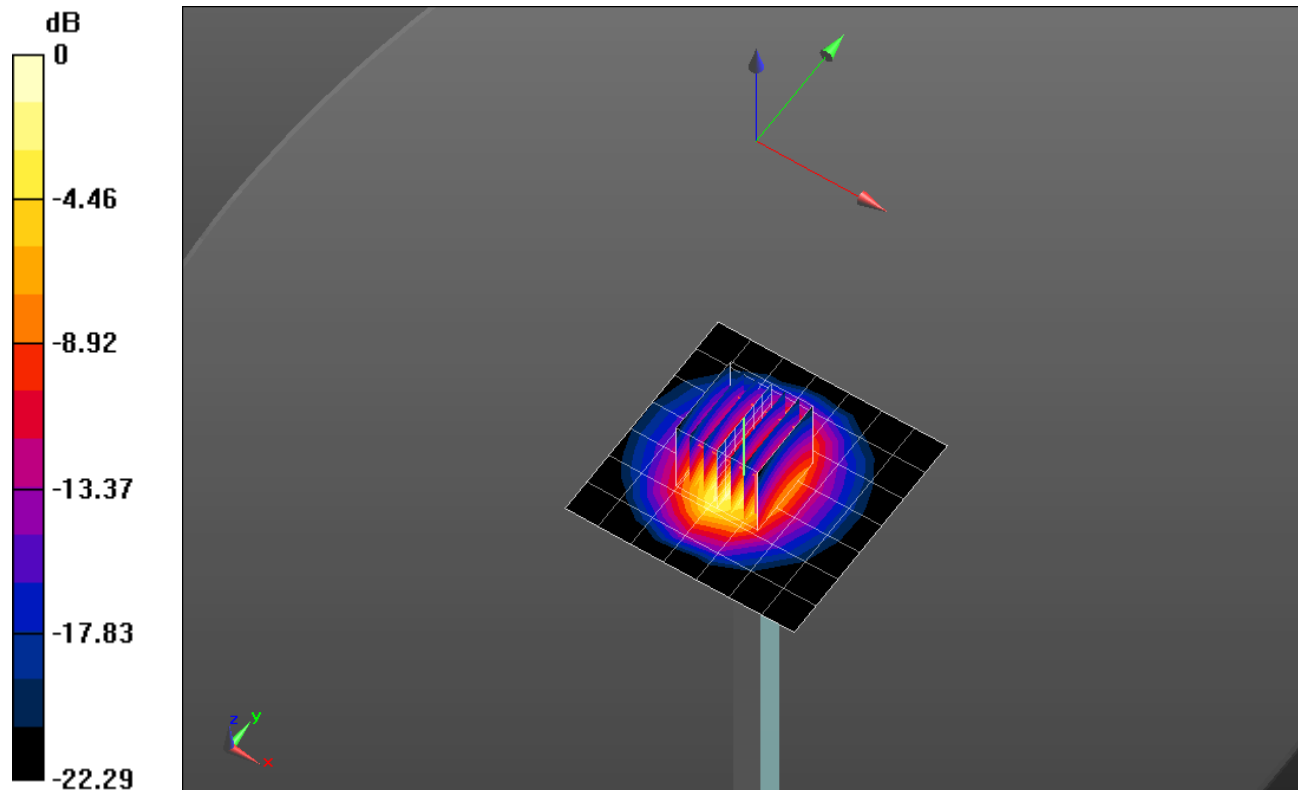
Body/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 59.59 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 11.4 W/kg

SAR(1 g) = 5.43 W/kg; SAR(10 g) = 2.5 W/kg

Maximum value of SAR (measured) = 7.77 W/kg



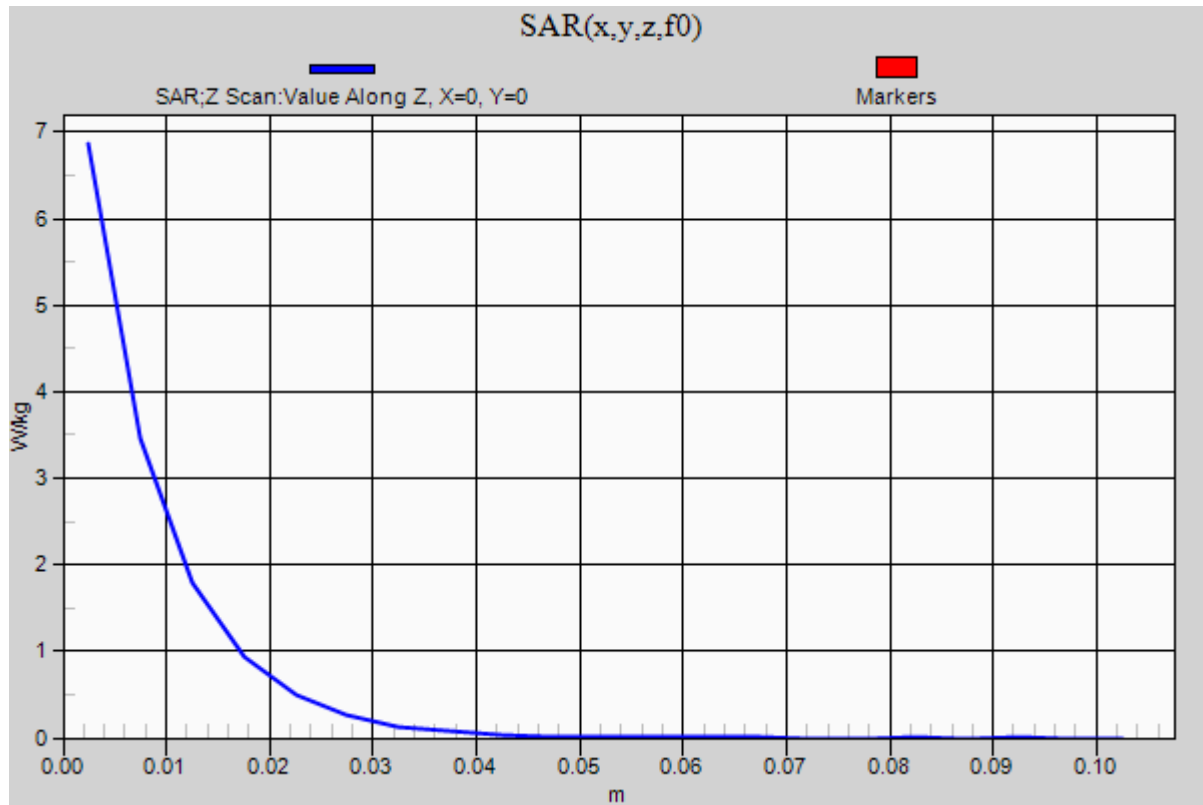
0 dB = 7.77 W/kg = 8.90 dBW/kg

20190128_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) = 6.86 W/kg



20190128_SystemPerformanceCheck-D5GHzV2 SN 1003

Frequency: 5250 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used: $f = 5250$ MHz; $\sigma = 5.329$ S/m; $\epsilon_r = 47.665$; $\rho = 1000$ 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: DAE4 Sn1548; Calibrated: 5/3/2018
- Probe: EX3DV4 - SN3990; ConvF(4.95, 4.95, 4.95); Calibrated: 8/17/2018, ConvF(4.95, 4.95, 4.95); Calibrated: 8/17/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI V5.0 Slot 1/2; Type: QD OVA 002 Ax; Serial: 1119

Body/5.25 GHz, Pin=100mW/Area Scan (7x7x1): Measurement grid: dx=10mm, dy=10mm

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

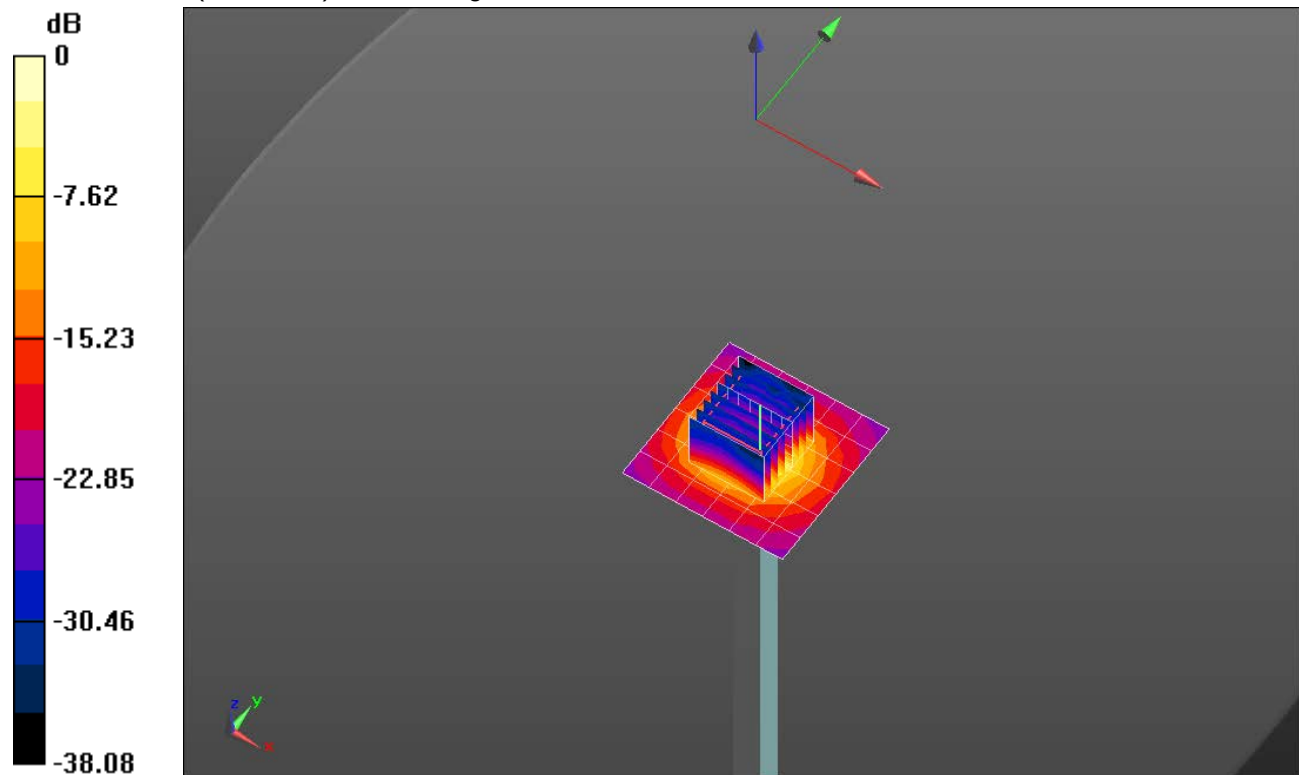
Body/5.25 GHz, Pin=100mW/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 54.50 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 31.3 W/kg

SAR(1 g) = 7.74 W/kg; SAR(10 g) = 2.18 W/kg

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



0 dB = 18.1 W/kg = 12.58 dBW/kg

20190128_SystemPerformanceCheck-D5GHzV2 SN 1003

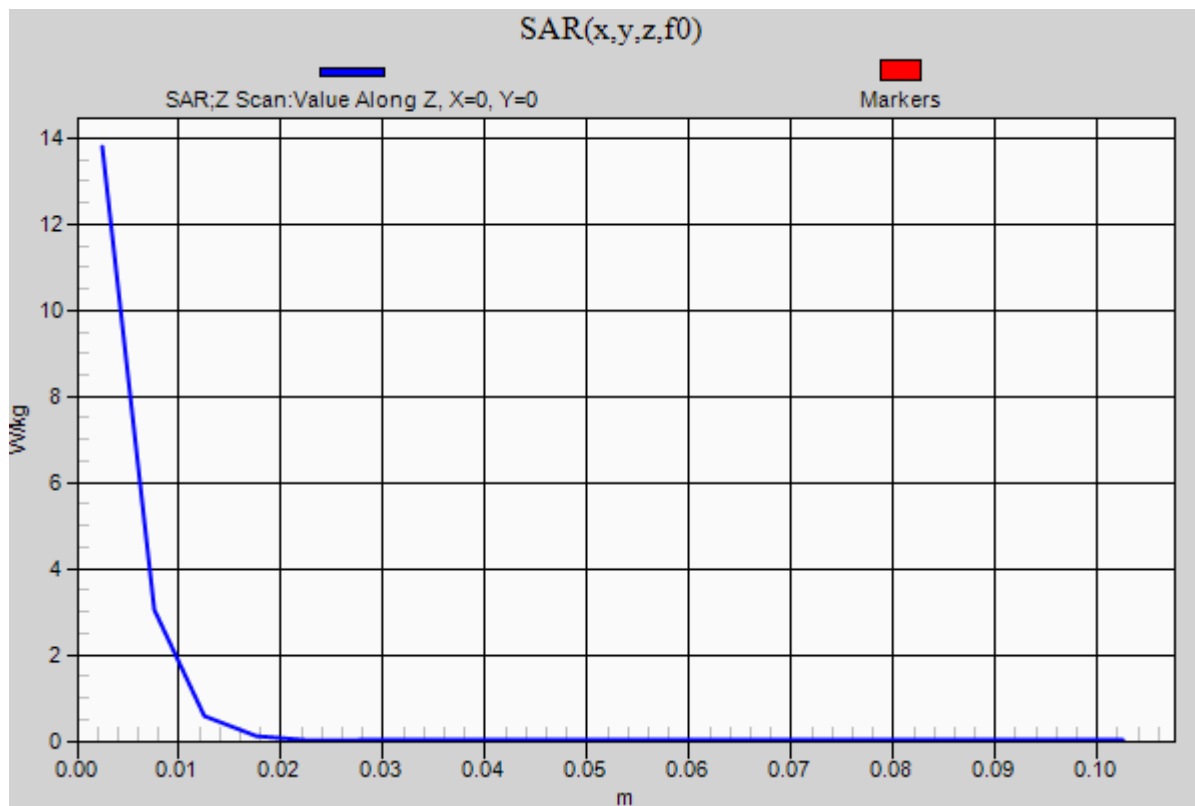
Frequency: 5250 MHz; Duty Cycle: 1:1

Body/5.25 GHz, Pin=100mW/Area Scan (7x7x1): Measurement grid: dx=10mm, dy=10mm

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

Body/5.25 GHz, Pin=100mW/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm

Maximum value of SAR (measured) = 13.8 W/kg



20190128_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; $\sigma = 5.888$ S/m; $\epsilon_r = 47.233$; $\rho = 1000$ 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: DAE4 Sn1548; Calibrated: 5/3/2018
- Probe: EX3DV4 - SN3990; ConvF(4.31, 4.31, 4.31); Calibrated: 8/17/2018, ConvF(4.31, 4.31, 4.31); Calibrated: 8/17/2018;
- 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

Body/5.6 GHz, Pin=100mW/Area Scan (7x7x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 21.4 W/kg

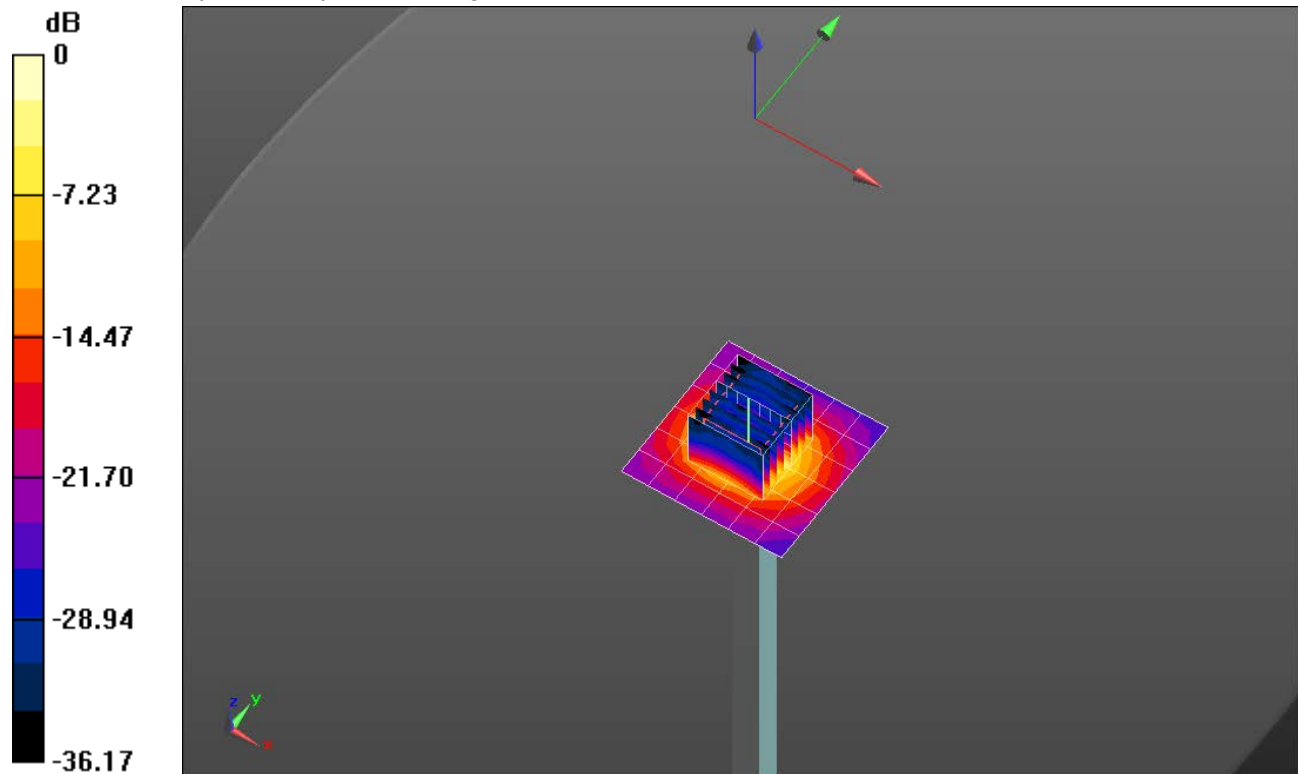
Body/5.6 GHz, Pin=100mW/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 55.78 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 36.3 W/kg

SAR(1 g) = 8.17 W/kg; SAR(10 g) = 2.3 W/kg

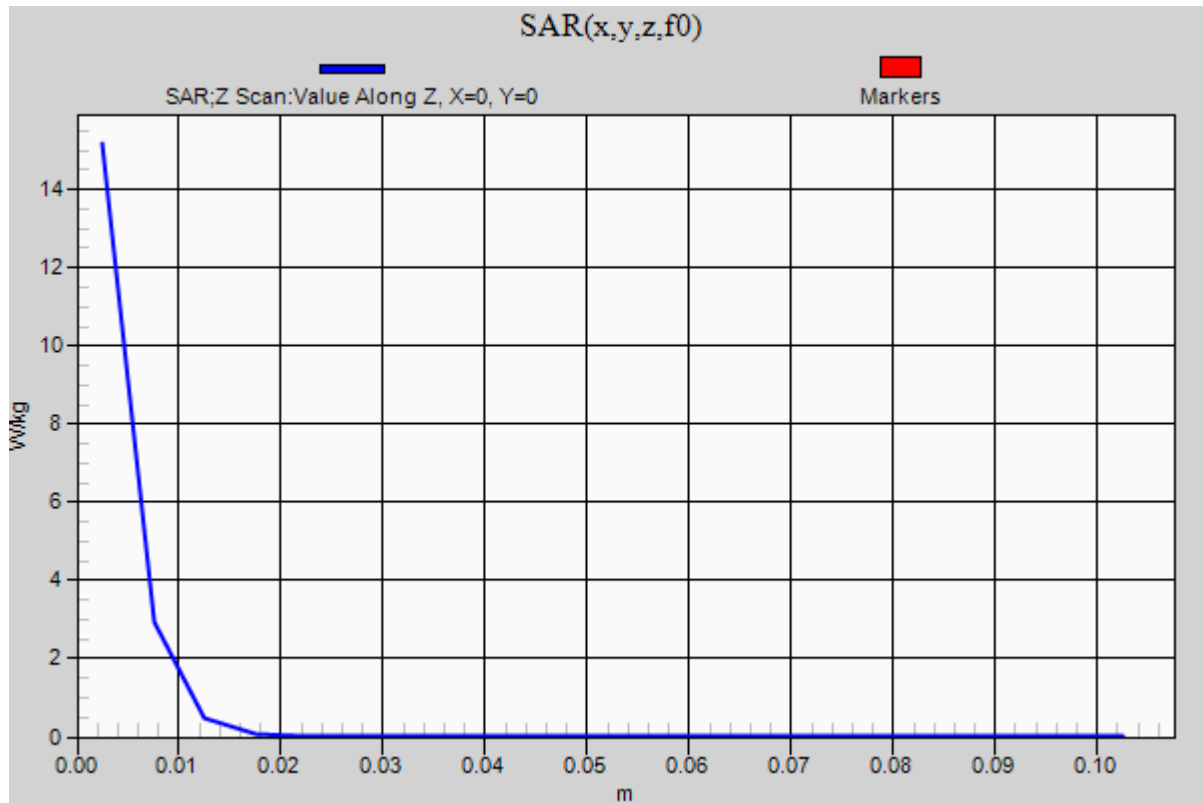
Maximum value of SAR (measured) = 19.8 W/kg



0 dB = 19.8 W/kg = 12.97 dBW/kg

20190128_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) = 15.2 W/kg

20190128_SystemPerformanceCheck-D5GHzV2 SN 1003

Frequency: 5750 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used: $f = 5750$ MHz; $\sigma = 6.02$ S/m; $\epsilon_r = 46.566$; $\rho = 1000$ 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: DAE4 Sn1548; Calibrated: 5/3/2018
- Probe: EX3DV4 - SN3990; ConvF(4.44, 4.44, 4.44); Calibrated: 8/17/2018, ConvF(4.44, 4.44, 4.44); Calibrated: 8/17/2018;
- 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

Body/5.75 GHz, Pin=100mW/Area Scan (7x7x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 18.7 W/kg

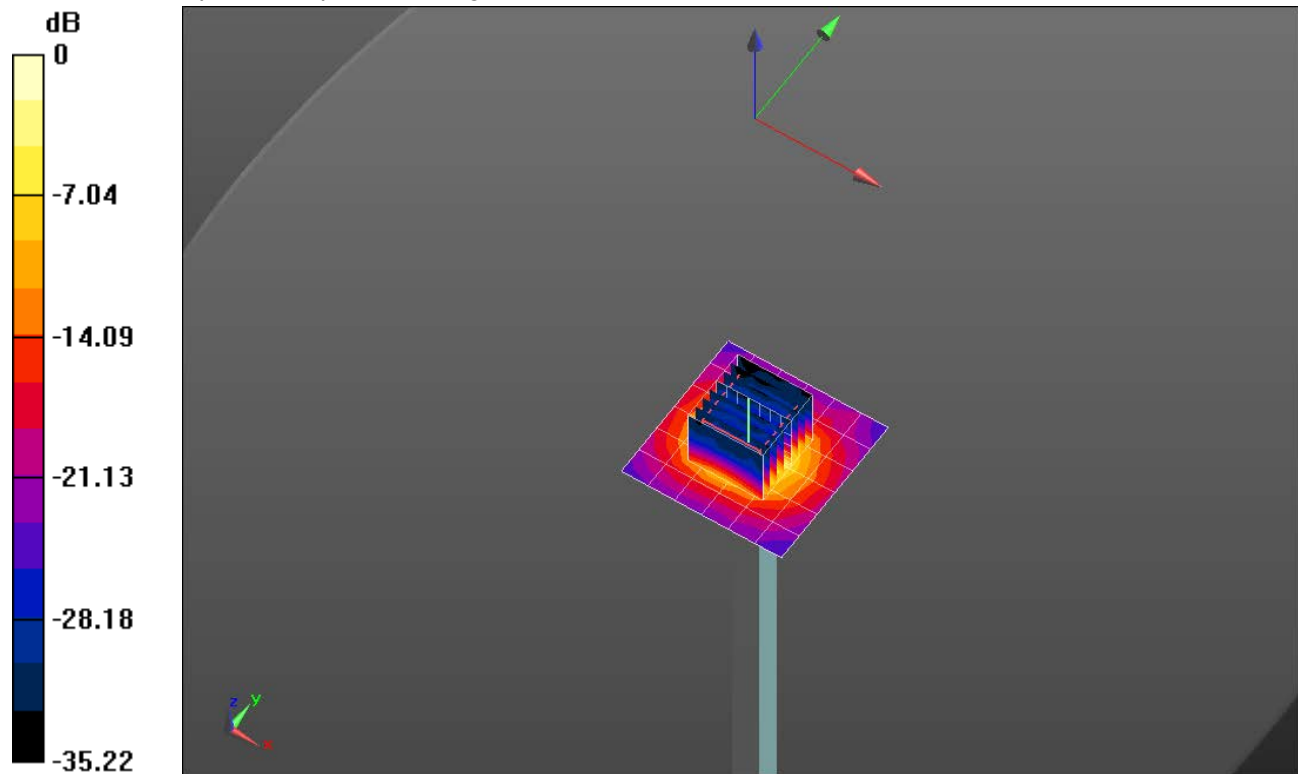
Body/5.75 GHz, Pin=100mW/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 48.85 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 32.6 W/kg

SAR(1 g) = 7.02 W/kg; SAR(10 g) = 1.97 W/kg

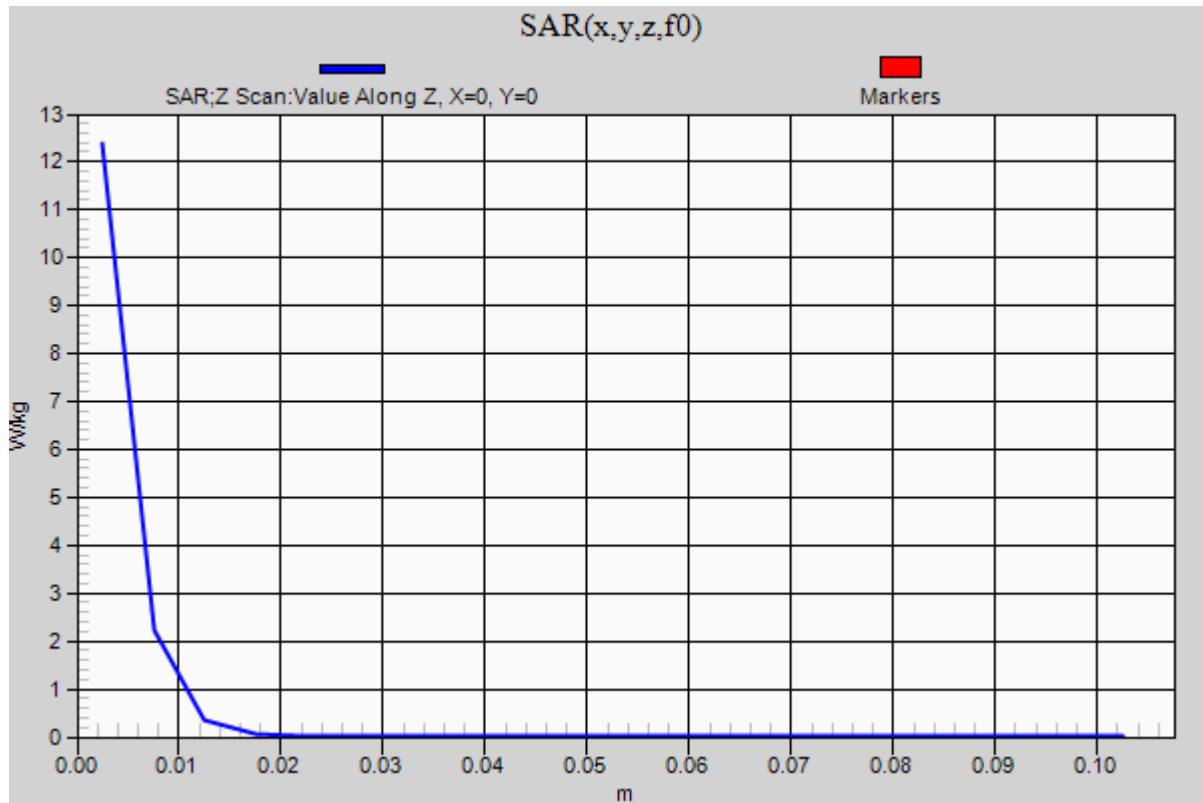
Maximum value of SAR (measured) = 17.3 W/kg



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

20190128_SystemPerformanceCheck-D5GHzV2 SN 1003

Frequency: 5750 MHz; Duty Cycle: 1:1

Body/5.75 GHz, Pin=100mW/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 12.4 W/kg

20190125_SystemPerformanceCheck-D1900V2 SN 5d140

Frequency: 1900 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.422$ S/m; $\epsilon_r = 39.321$; $\rho = 1000$ 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: DAE4 Sn1439; Calibrated: 7/10/2018
- Probe: EX3DV4 - SN3902; ConvF(8.29, 8.29, 8.29); Calibrated: 5/24/2018, ConvF(8.29, 8.29, 8.29); Calibrated: 5/24/2018;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CD; Serial: 1740

Head/Pin=100 mW/Area Scan (7x7x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 5.47 W/kg

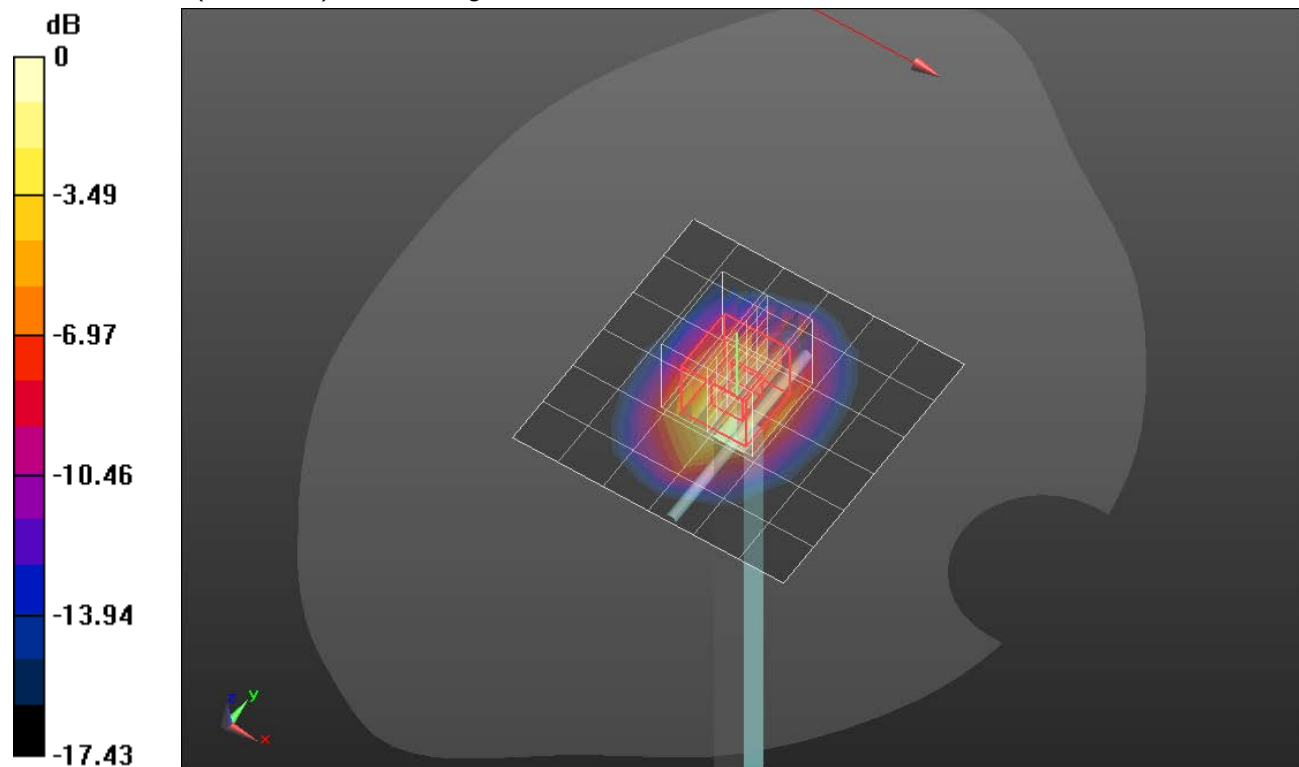
Head/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 63.54 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 7.56 W/kg

SAR(1 g) = 4.1 W/kg; SAR(10 g) = 2.13 W/kg

Maximum value of SAR (measured) = 5.57 W/kg



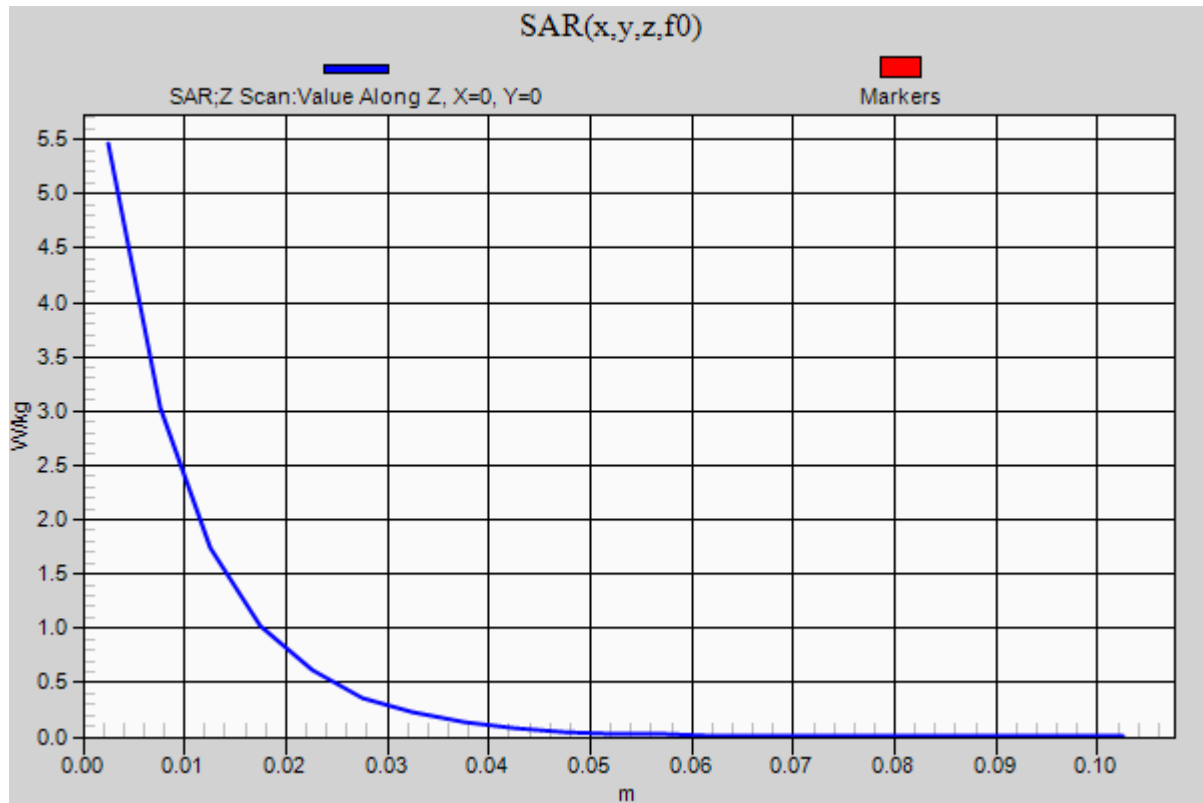
0 dB = 5.57 W/kg = 7.46 dBW/kg

20190125_SystemPerformanceCheck-D1900V2 SN 5d140

Frequency: 1900 MHz; Duty Cycle: 1:1

Head/Pin=100 mW/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm

Maximum value of SAR (measured) = 5.46 W/kg



20190128_SystemPerformanceCheck-D5GHzV2 SN 1003

Frequency: 5750 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used: $f = 5750$ MHz; $\sigma = 5.097$ S/m; $\epsilon_r = 33.936$; $\rho = 1000$ 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: DAE4 Sn1439; Calibrated: 7/10/2018
- Probe: EX3DV4 - SN3902; ConvF(5.1, 5.1, 5.1); Calibrated: 5/24/2018, ConvF(5.1, 5.1, 5.1); Calibrated: 5/24/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: SAM v5.0 (20deg probe tilt); Type: QD000P40CD; Serial: 1629

Head/5.75 GHz, Pin=100mW/Area Scan (7x7x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 18.8 W/kg

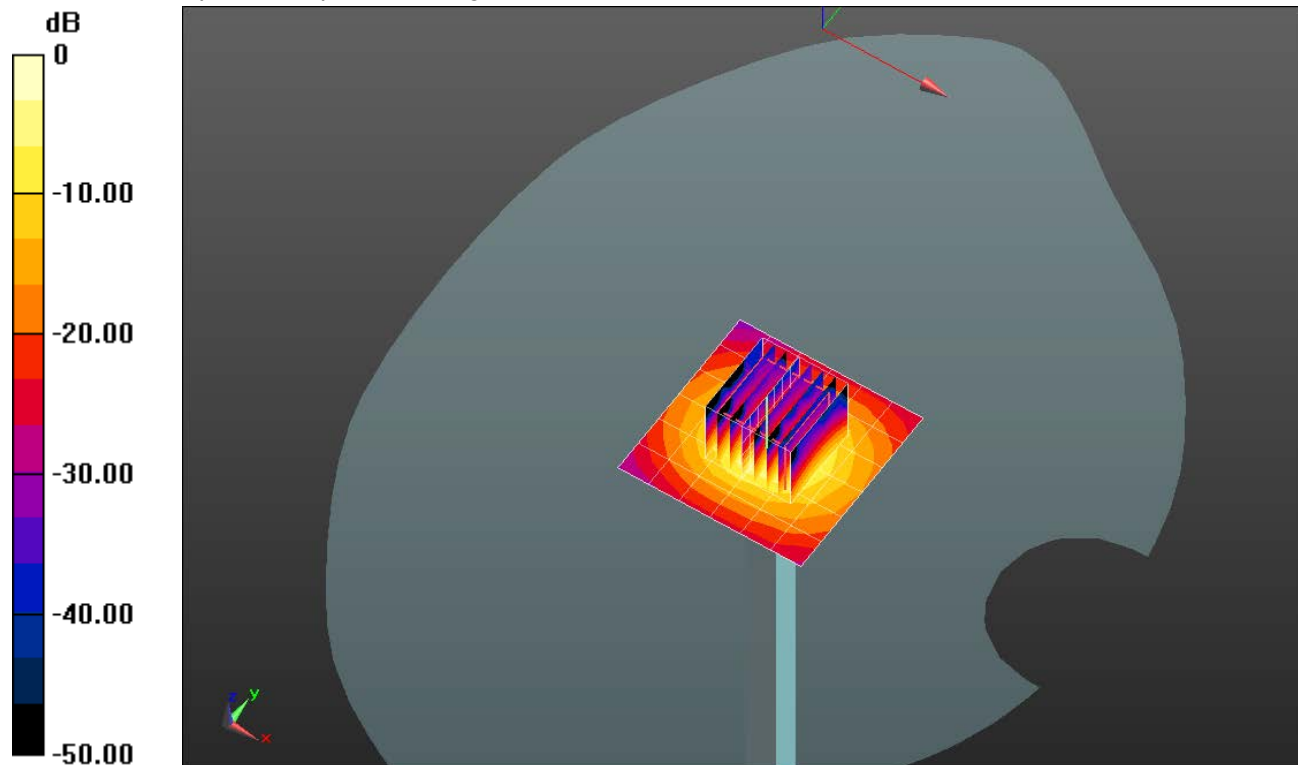
Head/5.75 GHz, Pin=100mW/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 53.59 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 34.5 W/kg

SAR(1 g) = 7.59 W/kg; SAR(10 g) = 2.17 W/kg

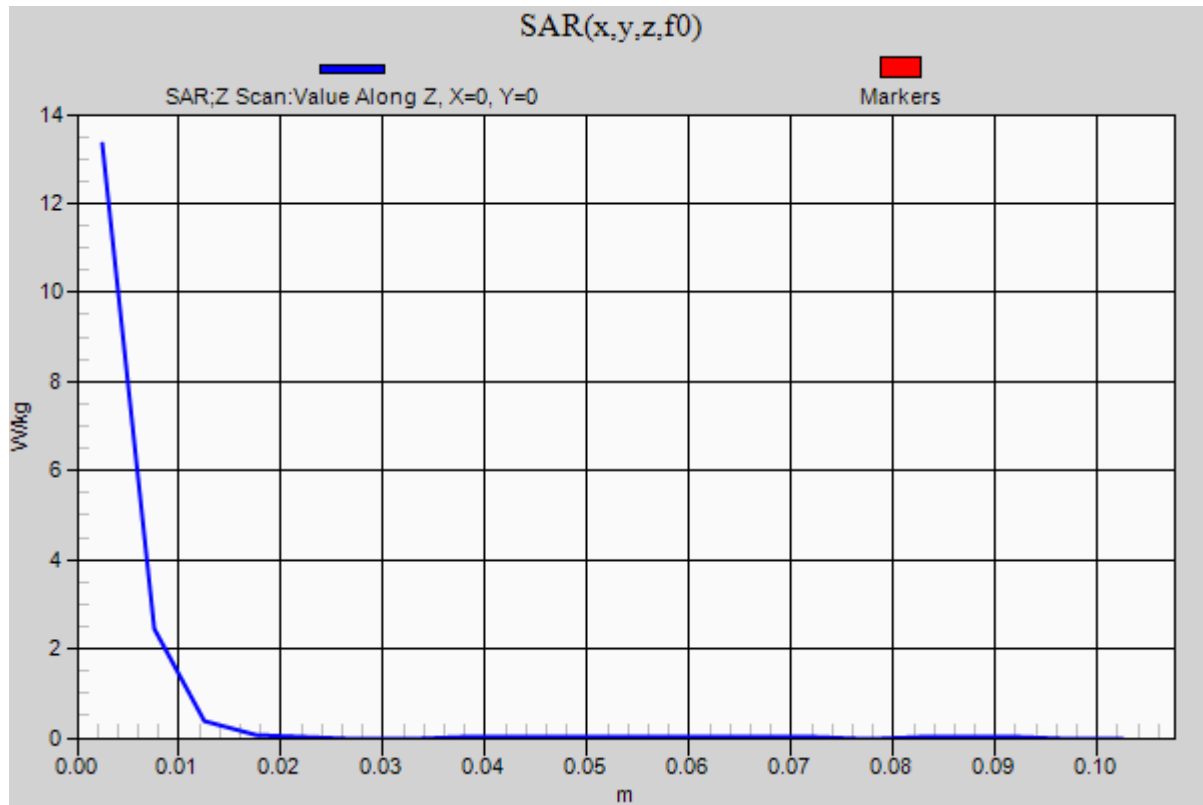
Maximum value of SAR (measured) = 18.8 W/kg



0 dB = 18.8 W/kg = 12.74 dBW/kg

20190128_SystemPerformanceCheck-D5GHzV2 SN 1003

Frequency: 5750 MHz; Duty Cycle: 1:1

Head/5.75 GHz, Pin=100mW/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 13.3 W/kg

20190128_SystemPerformanceCheck-D5GHzV2 SN 1003

Frequency: 5250 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used: $f = 5250$ MHz; $\sigma = 5.307$ S/m; $\epsilon_r = 47.463$; $\rho = 1000$ 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: DAE4 Sn1439; Calibrated: 7/10/2018
- Probe: EX3DV4 - SN3902; ConvF(4.45, 4.45, 4.45); Calibrated: 5/24/2018, ConvF(4.45, 4.45, 4.45); Calibrated: 5/24/2018;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI V5.0 Slot 6/7; Type: QD OVA 002 AA; Serial: 1247

Body/5.25 GHz, Pin=100mW/Area Scan (7x7x1): Measurement grid: dx=10mm, dy=10mm

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

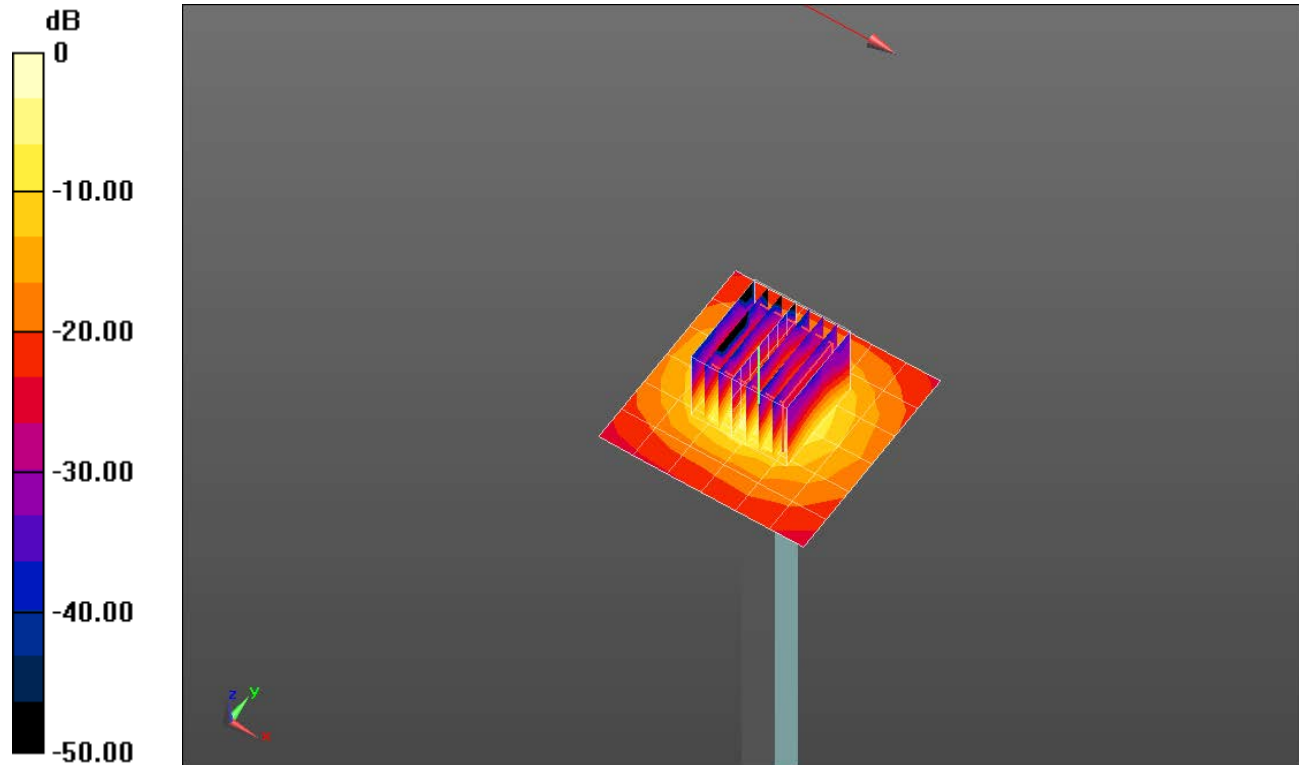
Body/5.25 GHz, Pin=100mW/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 52.76 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 29.6 W/kg

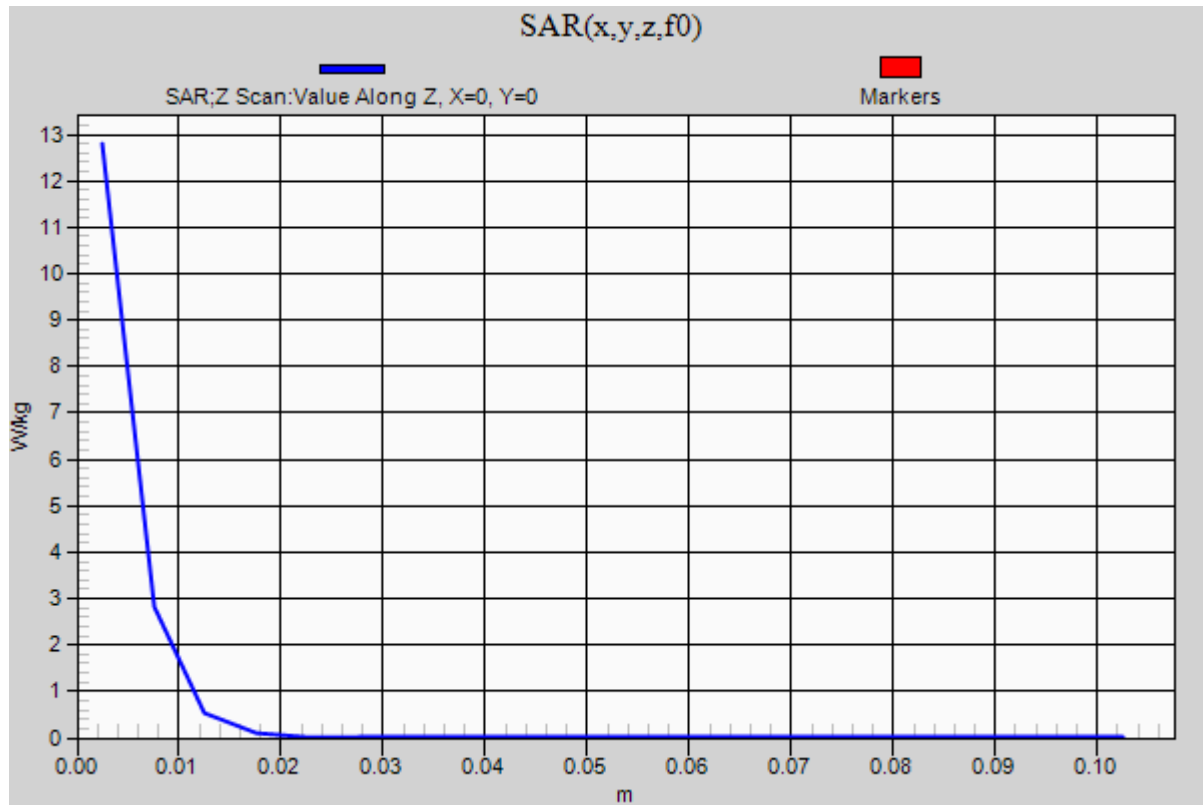
SAR(1 g) = 7.53 W/kg; SAR(10 g) = 2.13 W/kg

Maximum value of SAR (measured) = 17.6 W/kg



20190128_SystemPerformanceCheck-D5GHzV2 SN 1003

Frequency: 5250 MHz; Duty Cycle: 1:1

Body/5.25 GHz, Pin=100mW/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 12.8 W/kg

20190128_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; $\sigma = 5.854$ S/m; $\epsilon_r = 47.051$; $\rho = 1000$ 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: DAE4 Sn1439; Calibrated: 7/10/2018
- Probe: EX3DV4 - SN3902; ConvF(3.99, 3.99, 3.99); Calibrated: 5/24/2018, ConvF(3.99, 3.99, 3.99); Calibrated: 5/24/2018;
- 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 002 AA; Serial: 1247

Body/5.6 GHz, Pin=100mW/Area Scan (7x7x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 20.8 W/kg

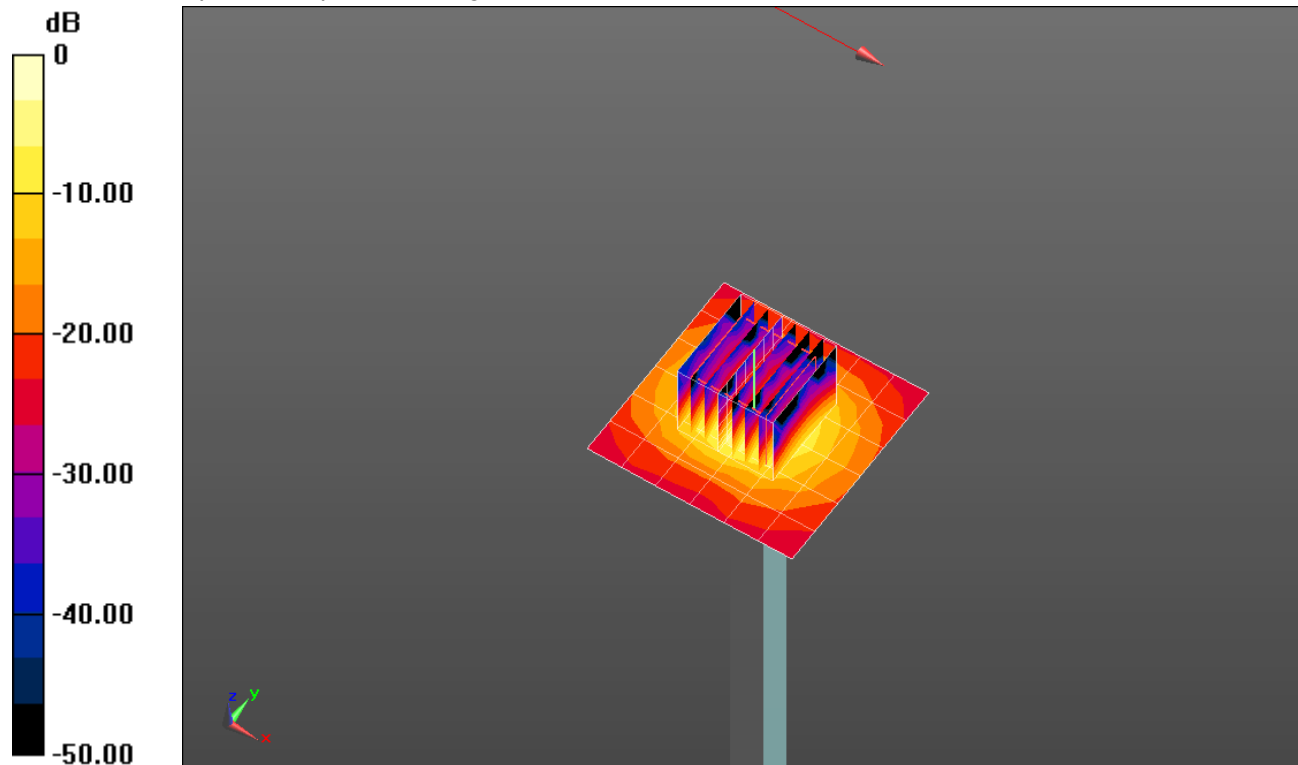
Body/5.6 GHz, Pin=100mW/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 53.02 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 35.9 W/kg

SAR(1 g) = 8.2 W/kg; SAR(10 g) = 2.28 W/kg

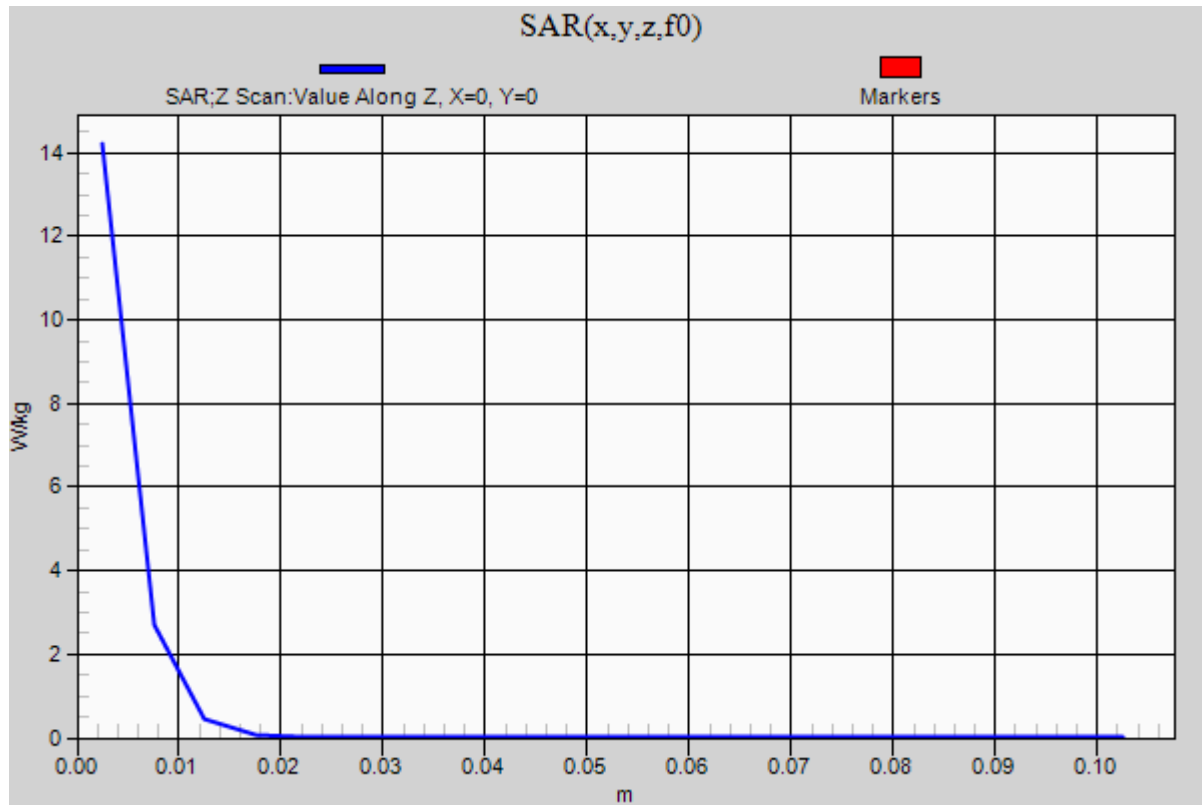
Maximum value of SAR (measured) = 20.3 W/kg



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

20190128_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) = 14.2 W/kg

20190125_SystemPerformanceCheck-D2600V2 SN 1036

Frequency: 2600 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used: $f = 2600$ MHz; $\sigma = 1.908$ S/m; $\epsilon_r = 39.628$; $\rho = 1000$ 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: DAE4 Sn1359; Calibrated: 2/9/2018
- Probe: EX3DV4 - SN7463; ConvF(7.13, 7.13, 7.13); Calibrated: 7/20/2018, ConvF(7.13, 7.13, 7.13); Calibrated: 7/20/2018;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CD; Serial: 1740

Head/Pin=100 mW/Area Scan (8x8x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 6.13 W/kg

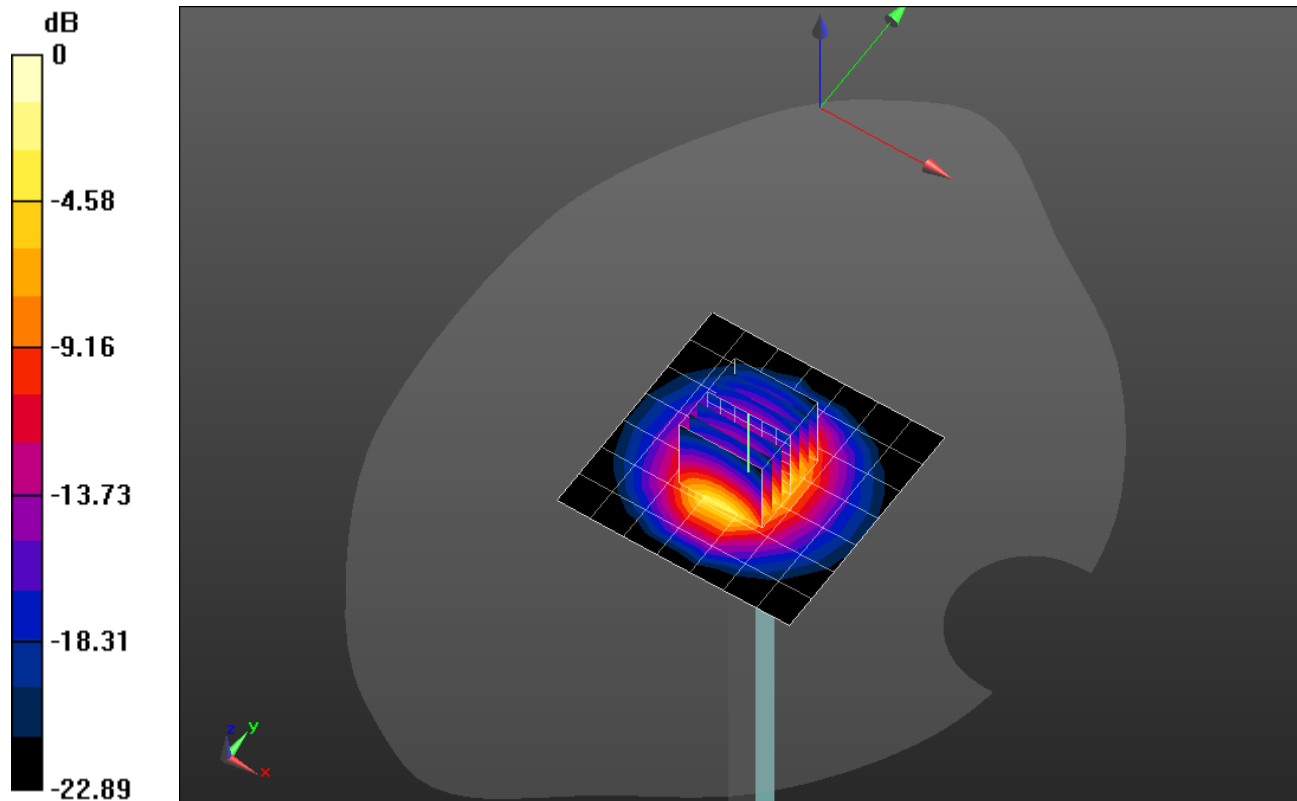
Head/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 67.62 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 12.7 W/kg

SAR(1 g) = 5.97 W/kg; SAR(10 g) = 2.69 W/kg

Maximum value of SAR (measured) = 8.59 W/kg



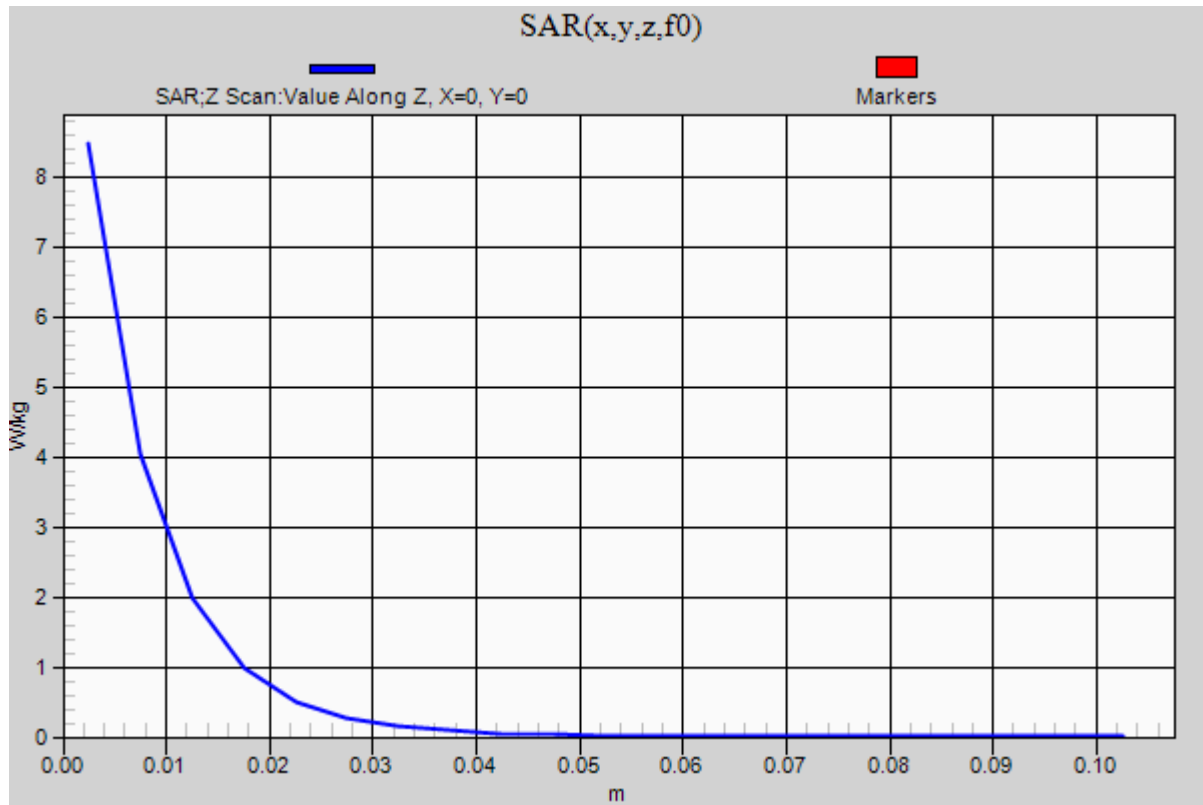
0 dB = 8.59 W/kg = 9.34 dBW/kg

20190125_SystemPerformanceCheck-D2600V2 SN 1036

Frequency: 2600 MHz; Duty Cycle: 1:1

Head/Pin=100 mW/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm

Maximum value of SAR (measured) = 8.48 W/kg



20190122_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; $\sigma = 2.028$ S/m; $\epsilon_r = 50.325$; $\rho = 1000$ 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: DAE4 Sn1239; Calibrated: 7/11/2018
- Probe: EX3DV4 - SN7482; ConvF(7.34, 7.34, 7.34); Calibrated: 7/23/2018, ConvF(7.34, 7.34, 7.34); Calibrated: 7/23/2018;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI V5.0 Slot 6/7; Type: QD OVA 001 BB; Serial: 1118

Body/Pin=100 mW/Area Scan (8x8x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 6.45 W/kg

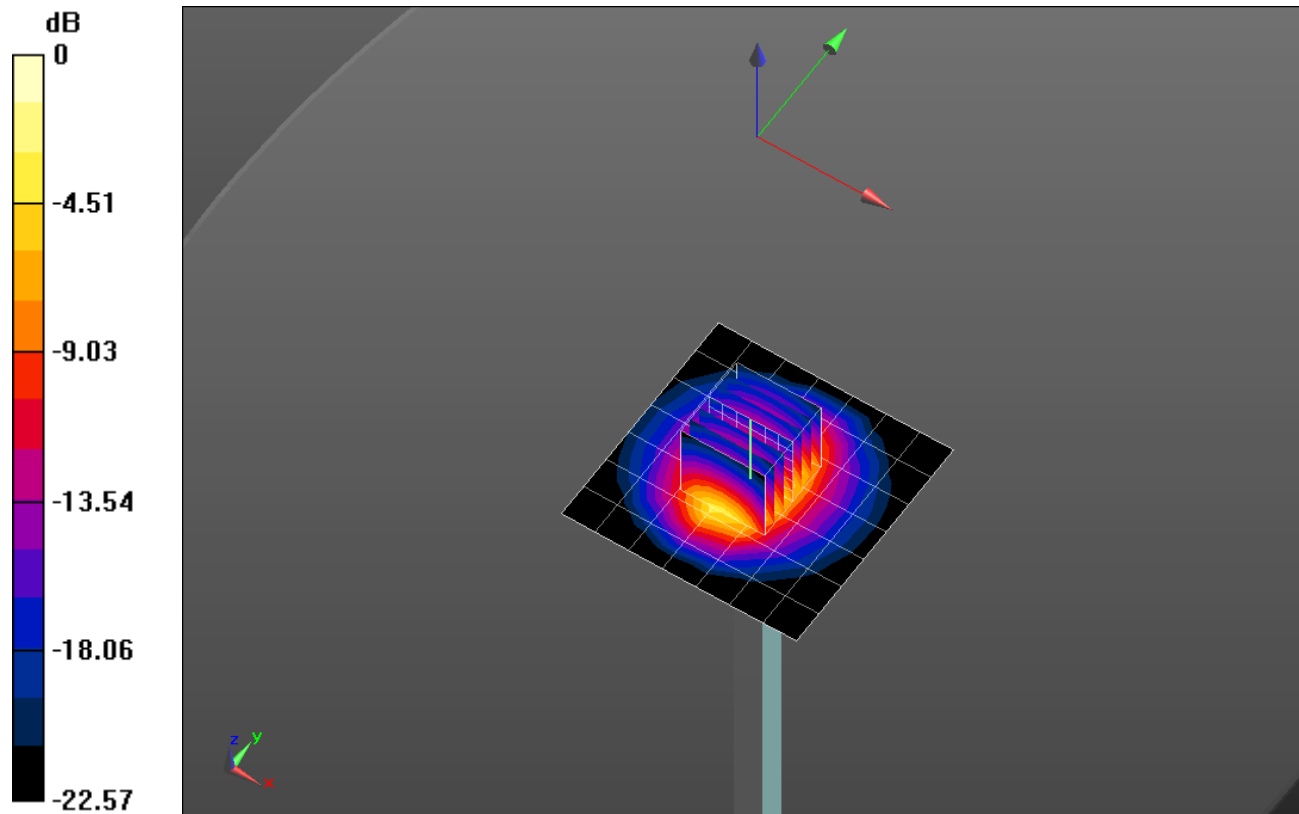
Body/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 60.97 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 11.6 W/kg

SAR(1 g) = 5.55 W/kg; SAR(10 g) = 2.55 W/kg

Maximum value of SAR (measured) = 7.93 W/kg



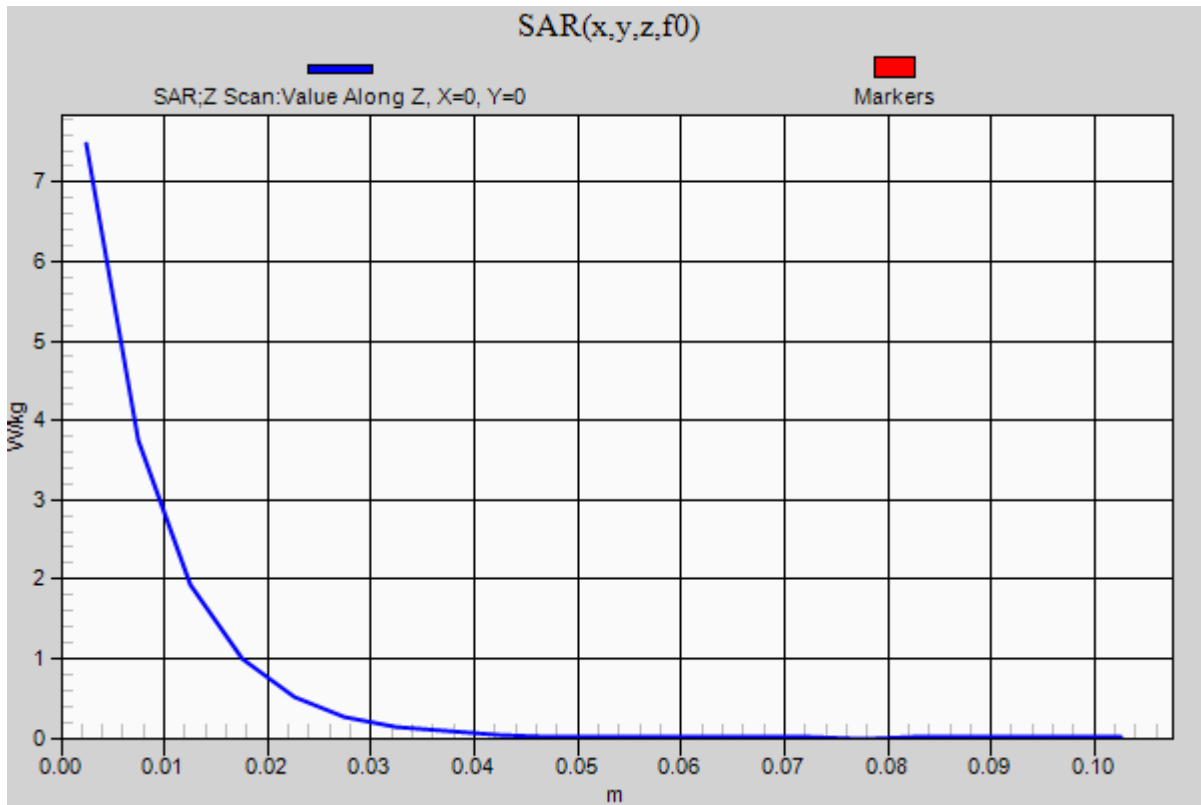
0 dB = 7.93 W/kg = 8.99 dBW/kg

20190122_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) = 7.48 W/kg



20190128_SystemPerformanceCheck-D835V2 SN 4d117

Frequency: 835 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used: $f = 835$ MHz; $\sigma = 1.008$ S/m; $\epsilon_r = 53.323$; $\rho = 1000$ 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: DAE4 Sn1547; Calibrated: 5/3/2018
- Probe: EX3DV4 - SN7356; ConvF(10.72, 10.72, 10.72) @ 835 MHz; Calibrated: 4/24/2018
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI V8.0 (20deg probe tilt), Front; Type: QD OVA 004 AA; Serial: 2086

Body/Pin=100 mW/Area Scan (7x7x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.18 W/kg

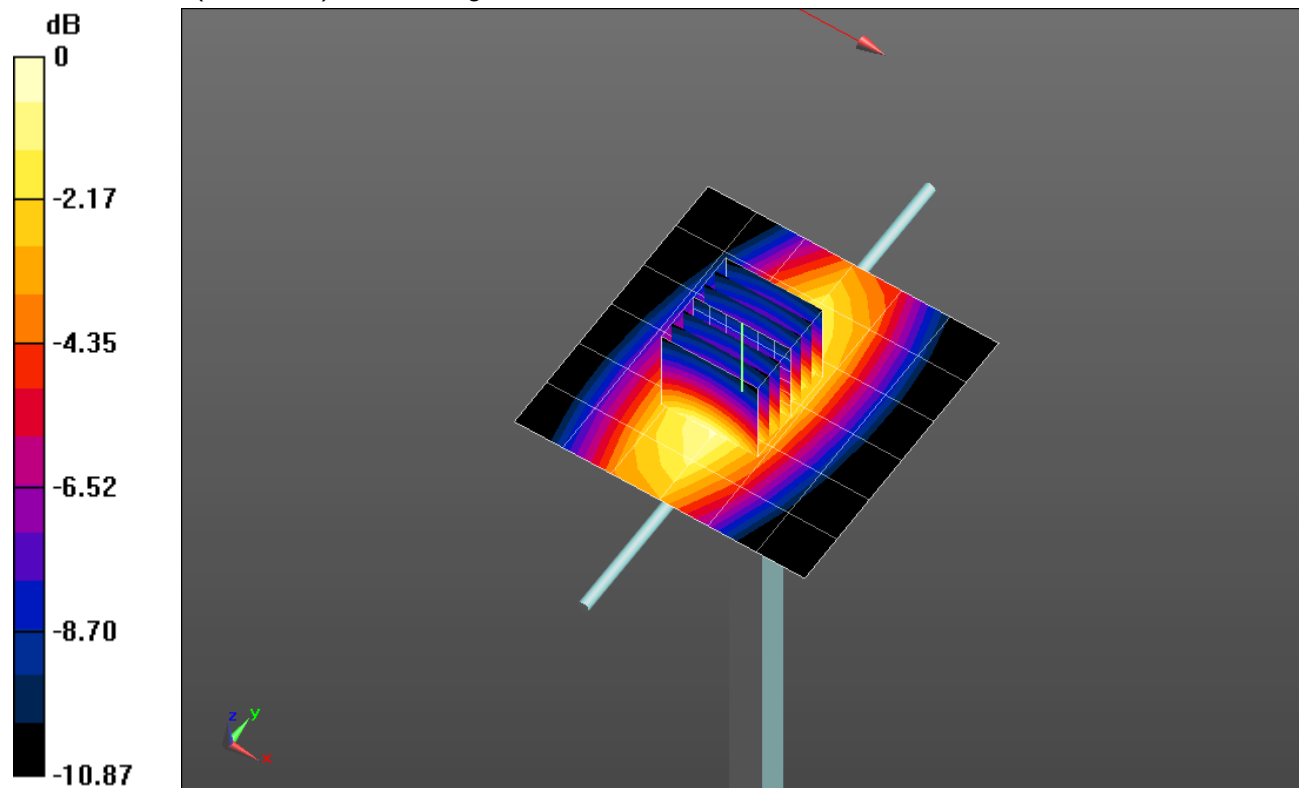
Body/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 34.74 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.48 W/kg

SAR(1 g) = 0.972 W/kg; SAR(10 g) = 0.630 W/kg

Maximum value of SAR (measured) = 1.19 W/kg



0 dB = 1.19 W/kg = 0.76 dBW/kg

20190128_SystemPerformanceCheck-D835V2 SN 4d117

Frequency: 835 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) = 1.19 W/kg

