20190701_SystemPerformanceCheck-D2600V2 SN 1036

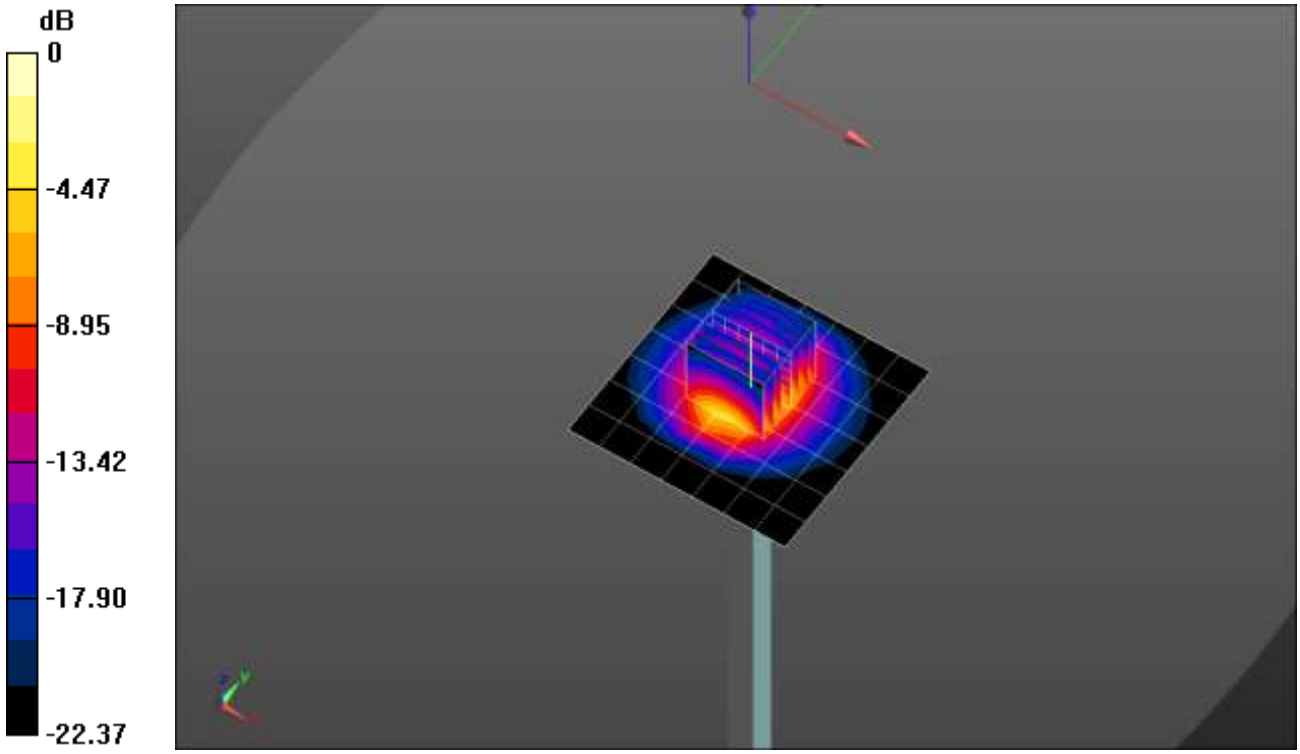
Frequency: 2600 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 2600 MHz; σ = 2.137 S/m; ε_r = 50.08; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1380; Calibrated: 8/21/2018
- Probe: EX3DV4 - SN3686; ConvF(6.88, 6.88, 6.88) @ 2600 MHz; Calibrated: 8/28/2018
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI V8.0 (20deg probe tilt) Front; Type: QD OVA 004 AA; Serial: 2079

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

Maximum value of SAR (measured) = 7.32 W/kg

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

Reference Value = 58.46 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 12.2 W/kg
SAR(1 g) = 5.75 W/kg; SAR(10 g) = 2.57 W/kg
Maximum value of SAR (measured) = 8.35 W/kg



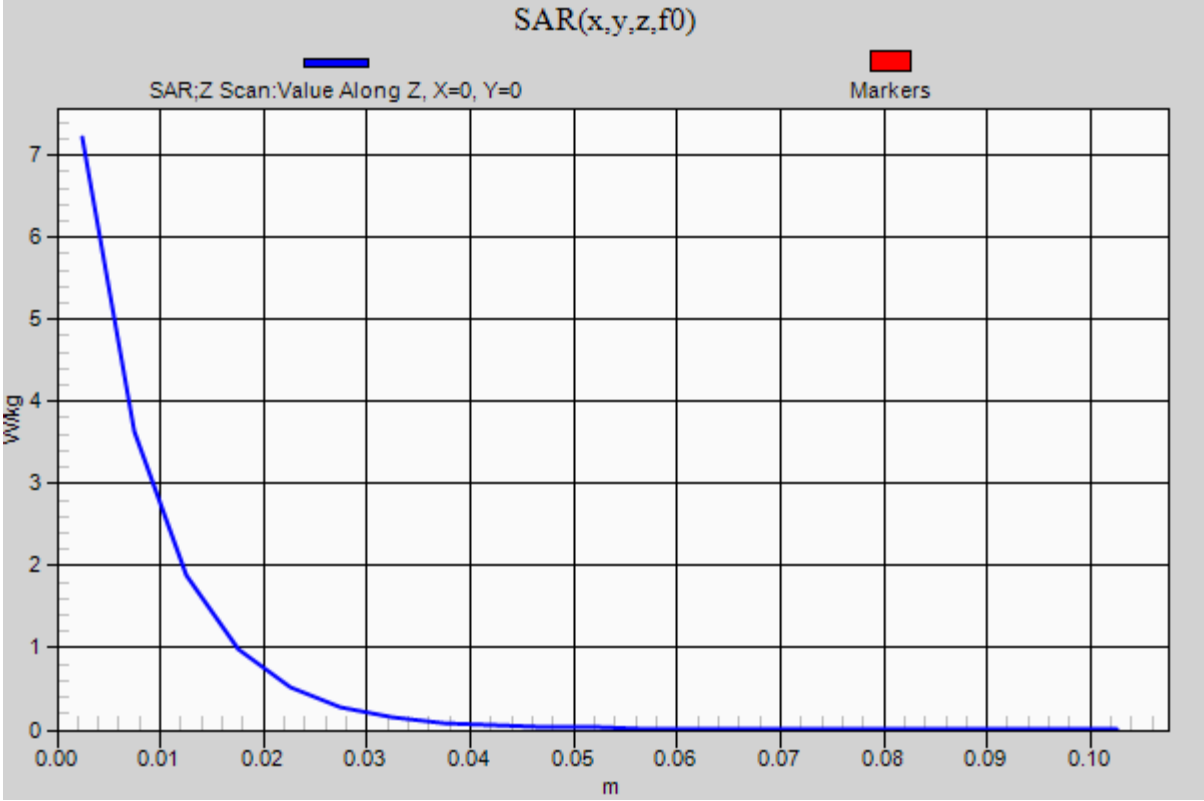
0 dB = 8.35 W/kg = 9.22 dBW/kg

20190701_SystemPerformanceCheck-D2600V2 SN 1036

Frequency: 2600 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) = 7.21 W/kg



20190614_SystemPerformanceCheck-D1900V2 SN 5d140

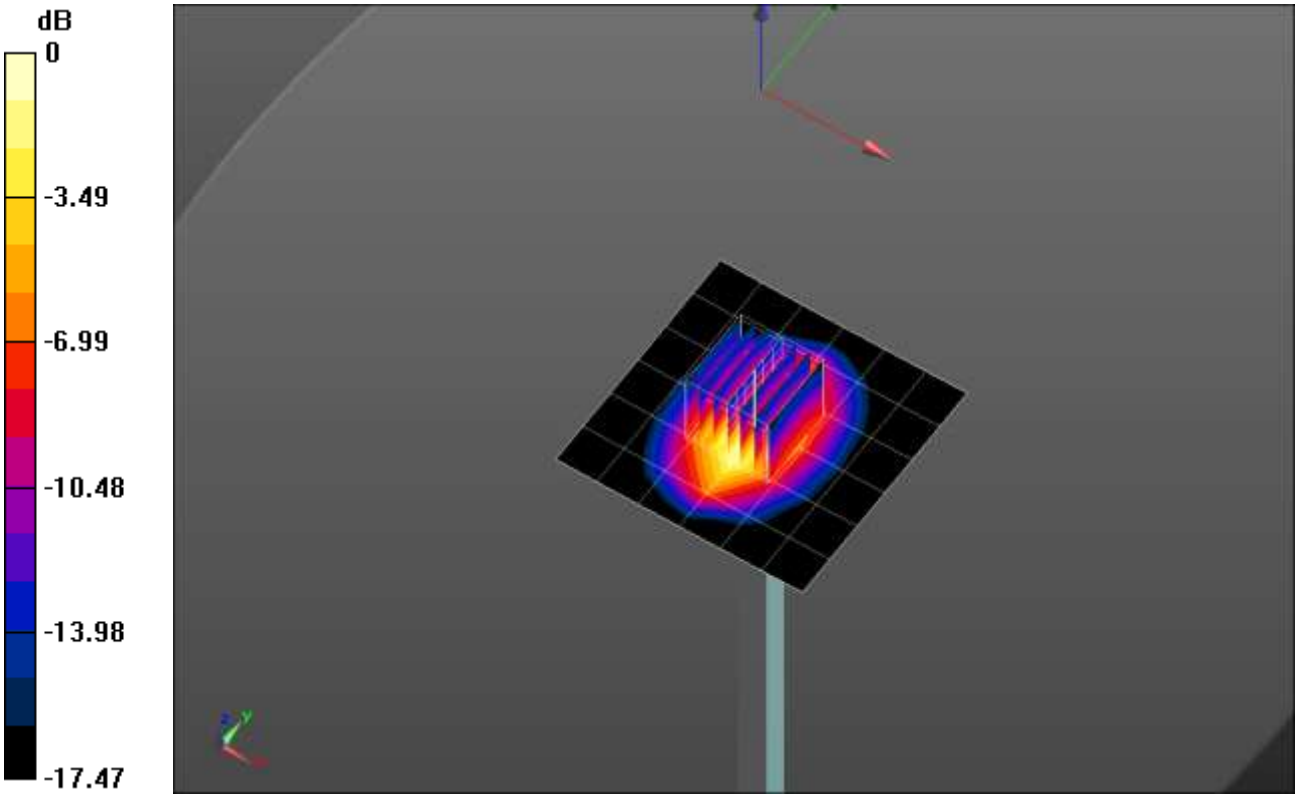
Frequency: 1900 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 1900 MHz; σ = 1.54 S/m; ε_r = 50.815; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2018
- Probe: EX3DV4 - SN3989; ConvF(8.2, 8.2, 8.2) @ 1900 MHz; Calibrated: 1/25/2019
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI V5.0 Slot 1/2; Type: QD OVA 001 BB; Serial: 1120

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

Maximum value of SAR (measured) = 5.72 W/kg

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

Reference Value = 60.90 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 7.83 W/kg
SAR(1 g) = 4.22 W/kg; SAR(10 g) = 2.17 W/kg
Maximum value of SAR (measured) = 5.74 W/kg



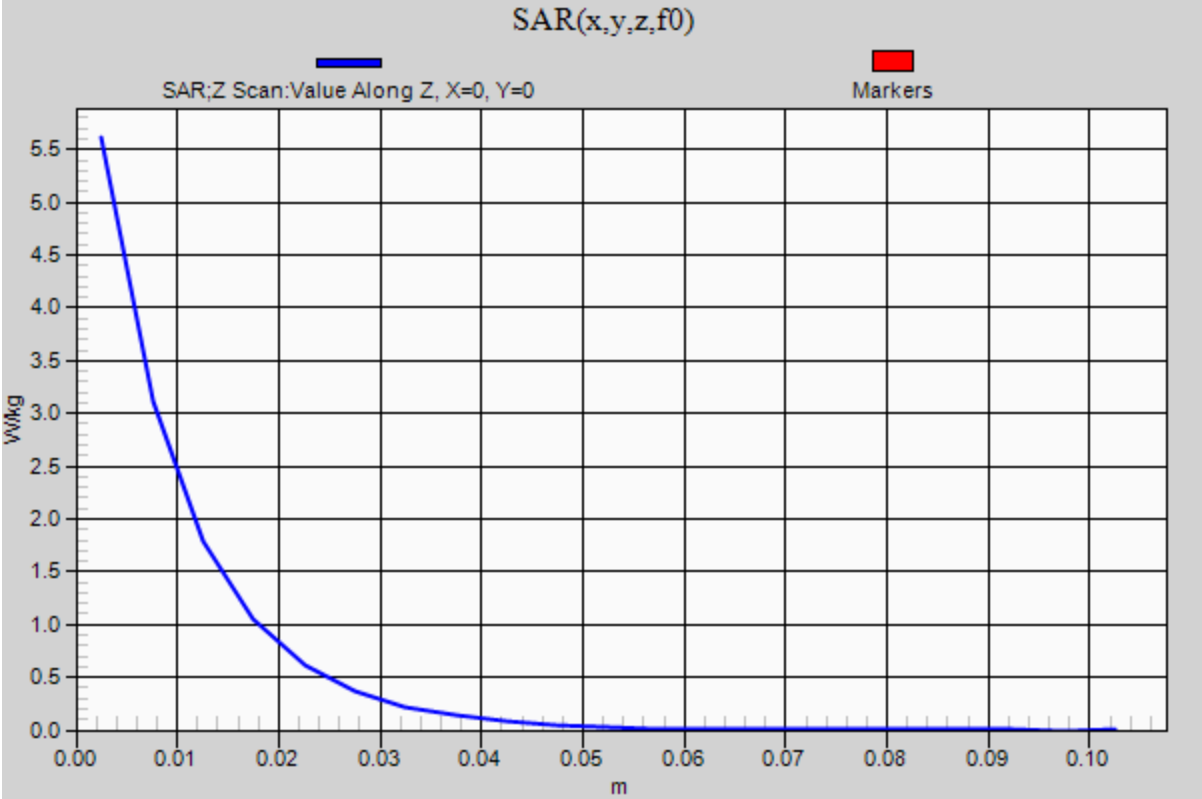
0 dB = 5.74 W/kg = 7.59 dBW/kg

20190614_SystemPerformanceCheck-D1900V2 SN 5d140

Frequency: 1900 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) = 5.61 W/kg



20190621_SystemPerformanceCheck-D1750V2 SN 1050

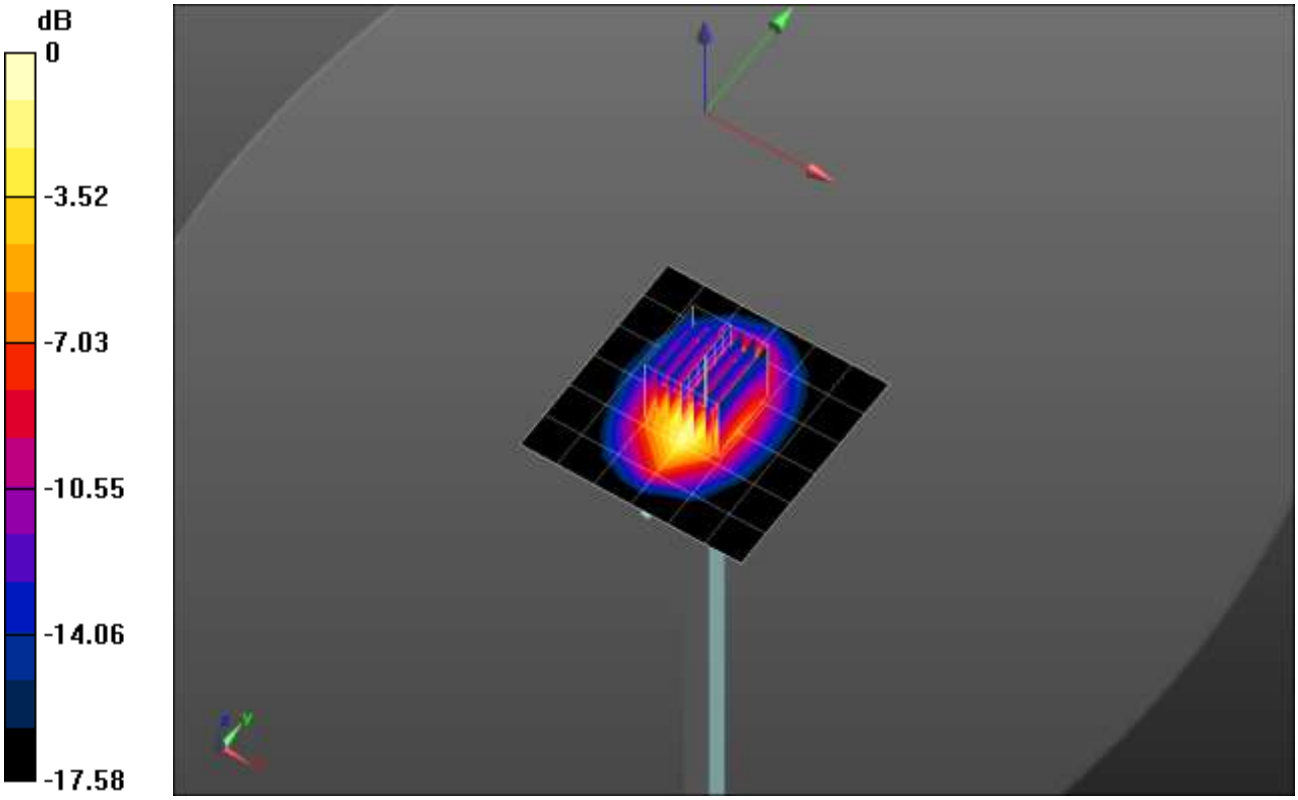
Frequency: 1750 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 1750 MHz; σ = 1.511 S/m; ε_r = 51.197; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2018
- Probe: EX3DV4 - SN3989; ConvF(8.47, 8.47, 8.47) @ 1750 MHz; Calibrated: 1/25/2019
- 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 (7x7x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 5.18 W/kg

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

Reference Value = 59.35 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 7.31 W/kg
SAR(1 g) = 3.92 W/kg; SAR(10 g) = 2.03 W/kg
Maximum value of SAR (measured) = 5.31 W/kg



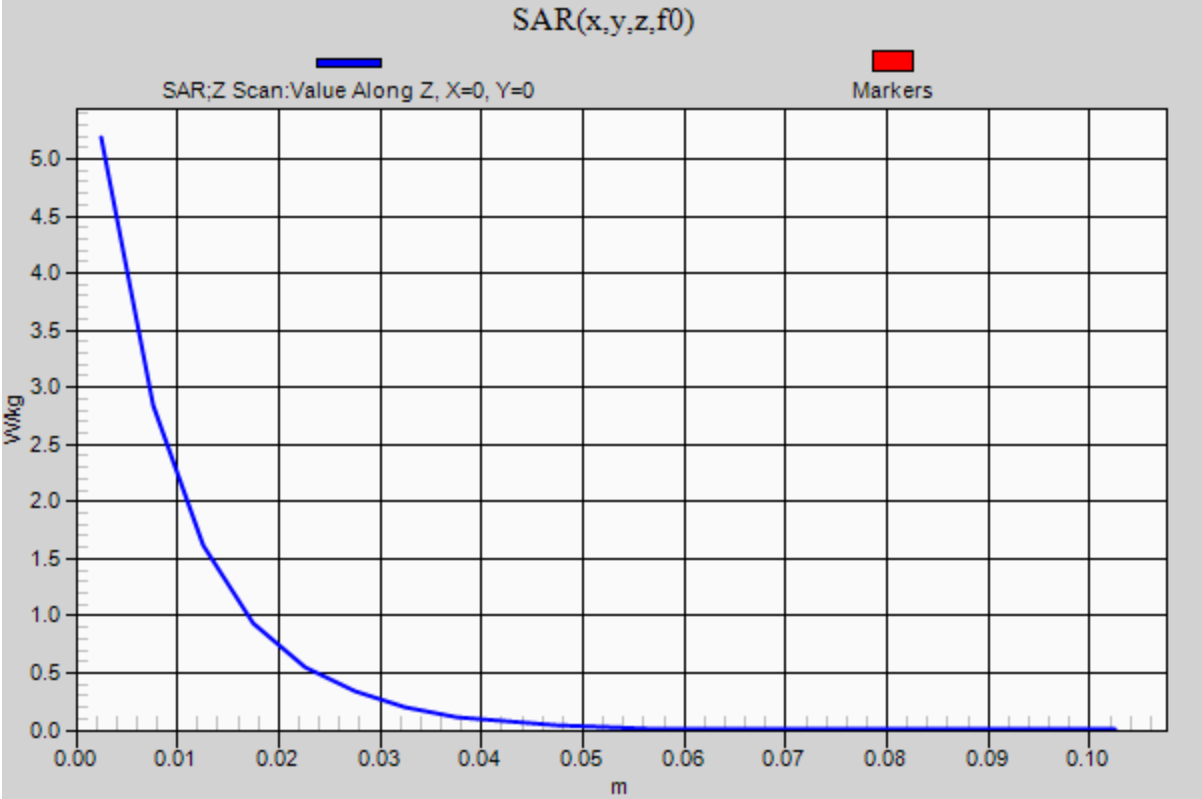
0 dB = 5.31 W/kg = 7.25 dBW/kg

20190621_SystemPerformanceCheck-D1750V2 SN 1050

Frequency: 1750 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) = 5.19 W/kg



20190702_SystemPerformanceCheck-D1750V2 SN 1077

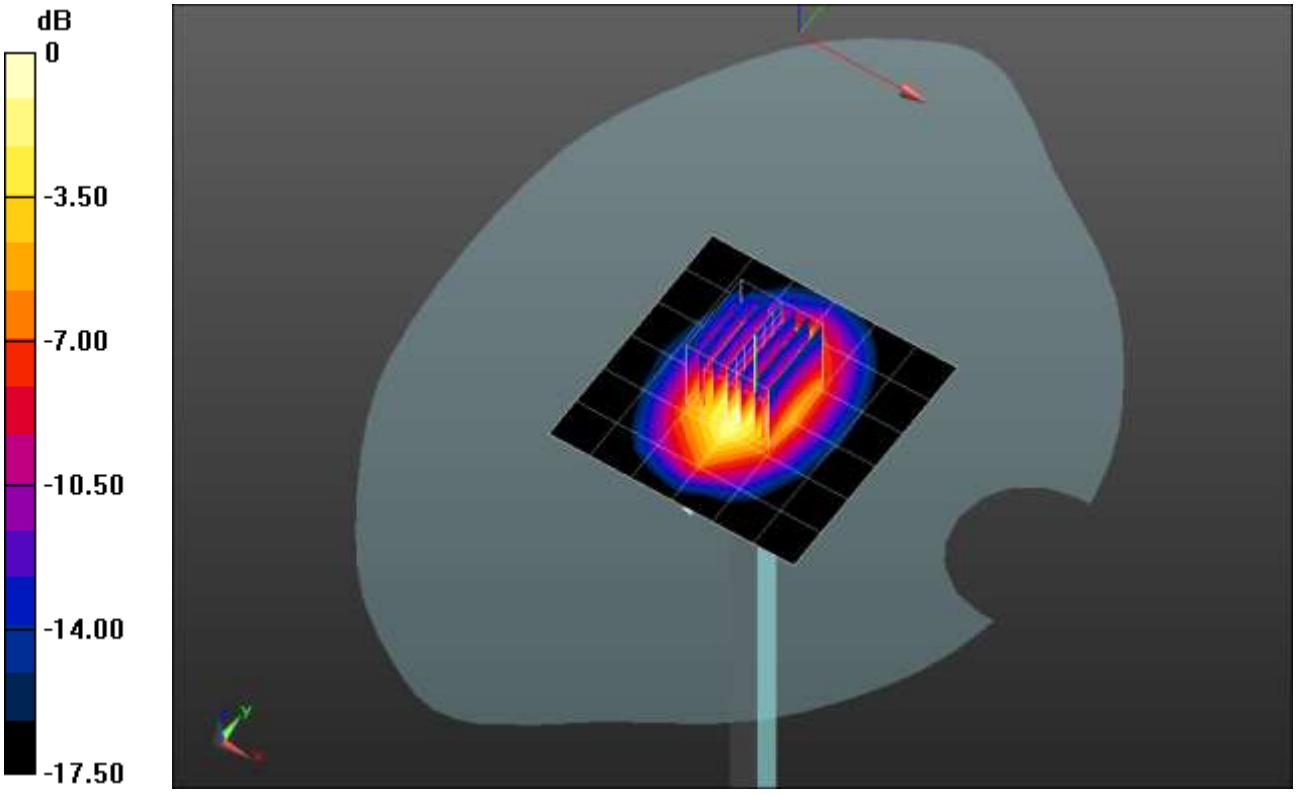
Frequency: 1750 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 1750 MHz; σ = 1.333 S/m; ε_r = 40.606; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2018
- Probe: EX3DV4 - SN3989; ConvF(8.97, 8.97, 8.97) @ 1750 MHz; Calibrated: 1/25/2019
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (20deg probe tilt); Type: QD000P40CD; Serial: 1629

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

Maximum value of SAR (measured) = 5.02 W/kg

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

Reference Value = 61.11 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 6.69 W/kg
SAR(1 g) = 3.63 W/kg; SAR(10 g) = 1.91 W/kg
Maximum value of SAR (measured) = 4.88 W/kg



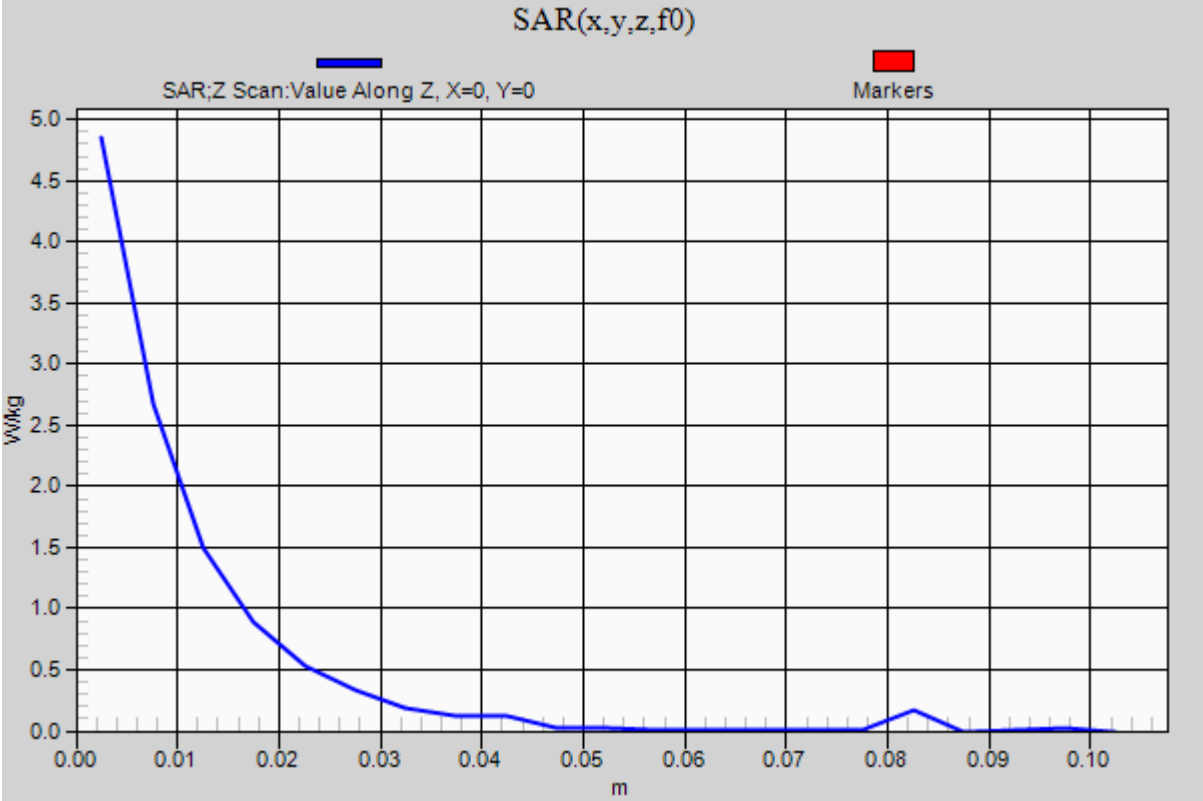
0 dB = 4.88 W/kg = 6.88 dBW/kg

20190702_SystemPerformanceCheck-D1750V2 SN 1077

Frequency: 1750 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) = 4.85 W/kg



20190703_SystemPerformanceCheck-D1900V2 SN 5d163

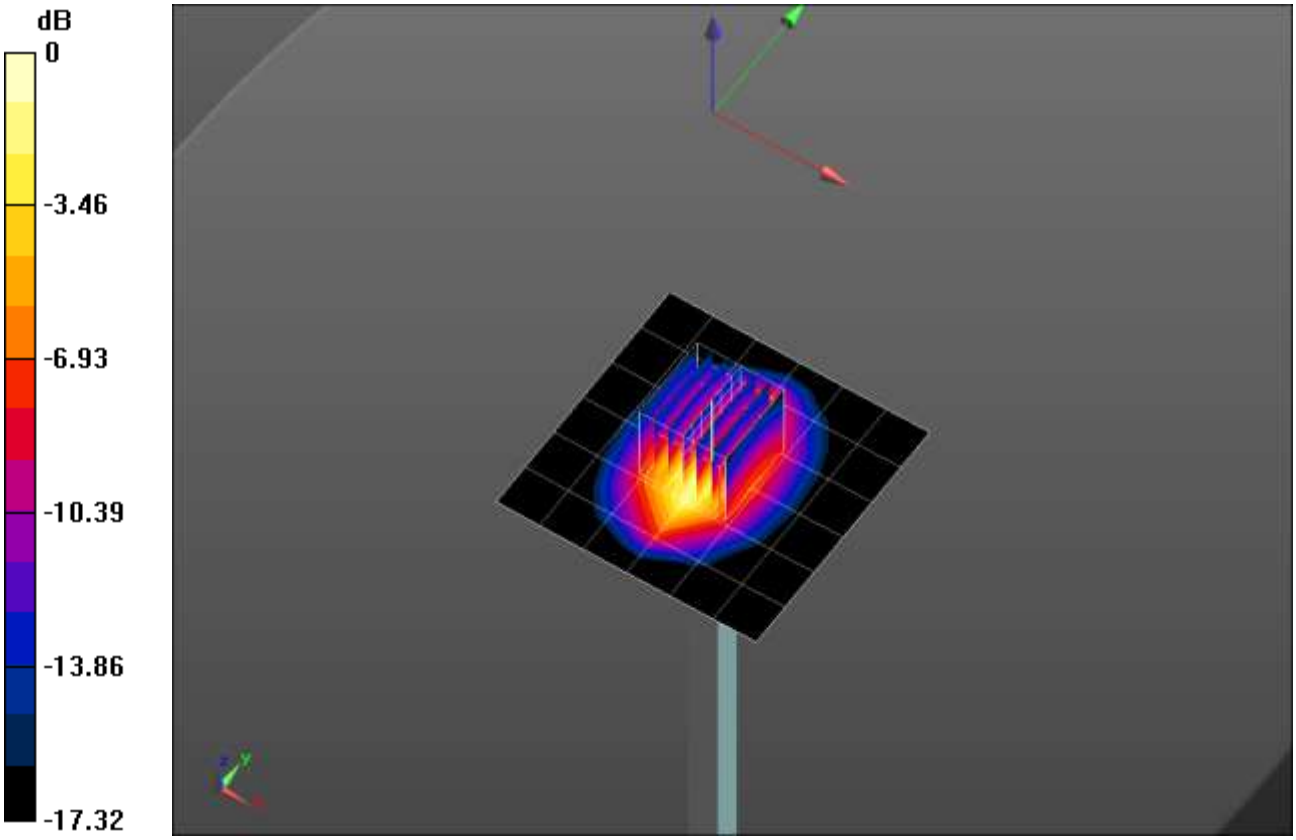
Frequency: 1900 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 1900 MHz; σ = 1.565 S/m; ε_r = 51.13; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2018
- Probe: EX3DV4 - SN3989; ConvF(8.2, 8.2, 8.2) @ 1900 MHz; Calibrated: 1/25/2019
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI V5.0 Slot 1/2; Type: QD OVA 001 BB; Serial: 1120

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

Maximum value of SAR (measured) = 6.07 W/kg

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

Reference Value = 62.91 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 8.39 W/kg
SAR(1 g) = 4.53 W/kg; SAR(10 g) = 2.34 W/kg
Maximum value of SAR (measured) = 6.14 W/kg



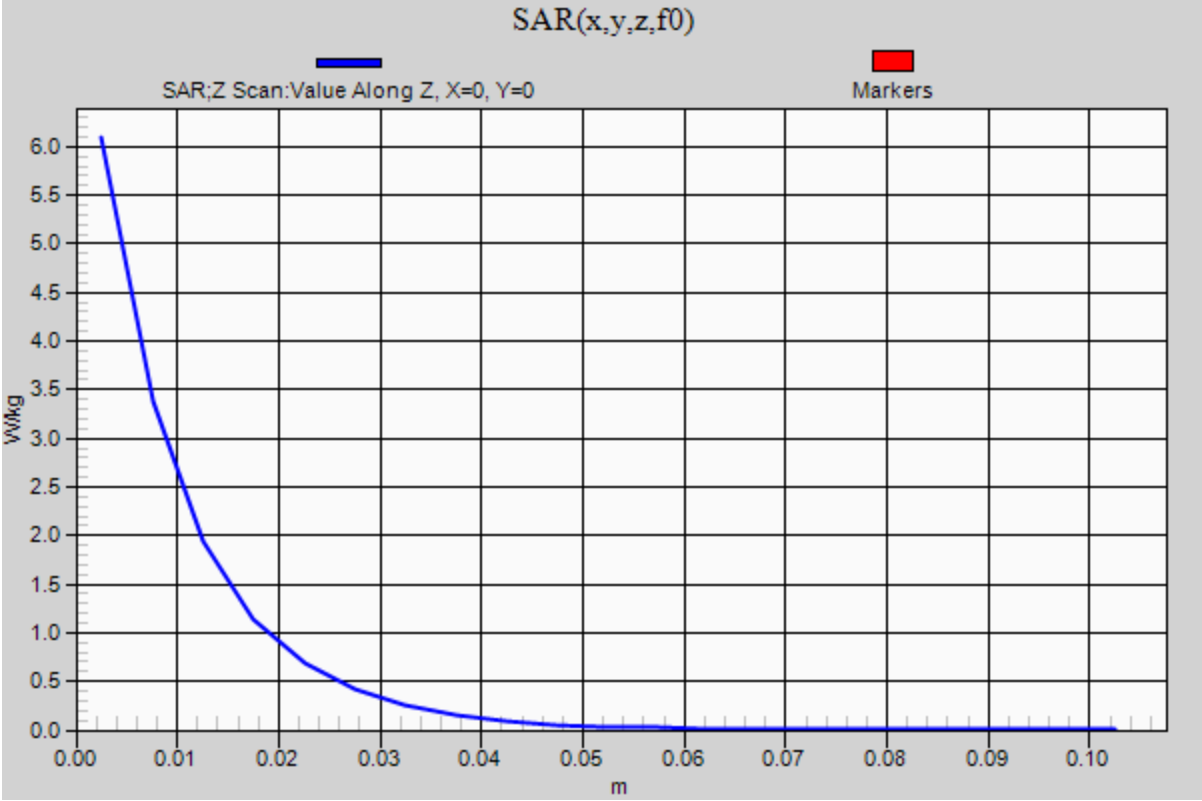
0 dB = 6.14 W/kg = 7.88 dBW/kg

20190703_SystemPerformanceCheck-D1900V2 SN 5d163

Frequency: 1900 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) = 6.09 W/kg



20190730_SystemPerformanceCheck-D2600V2 SN 1036

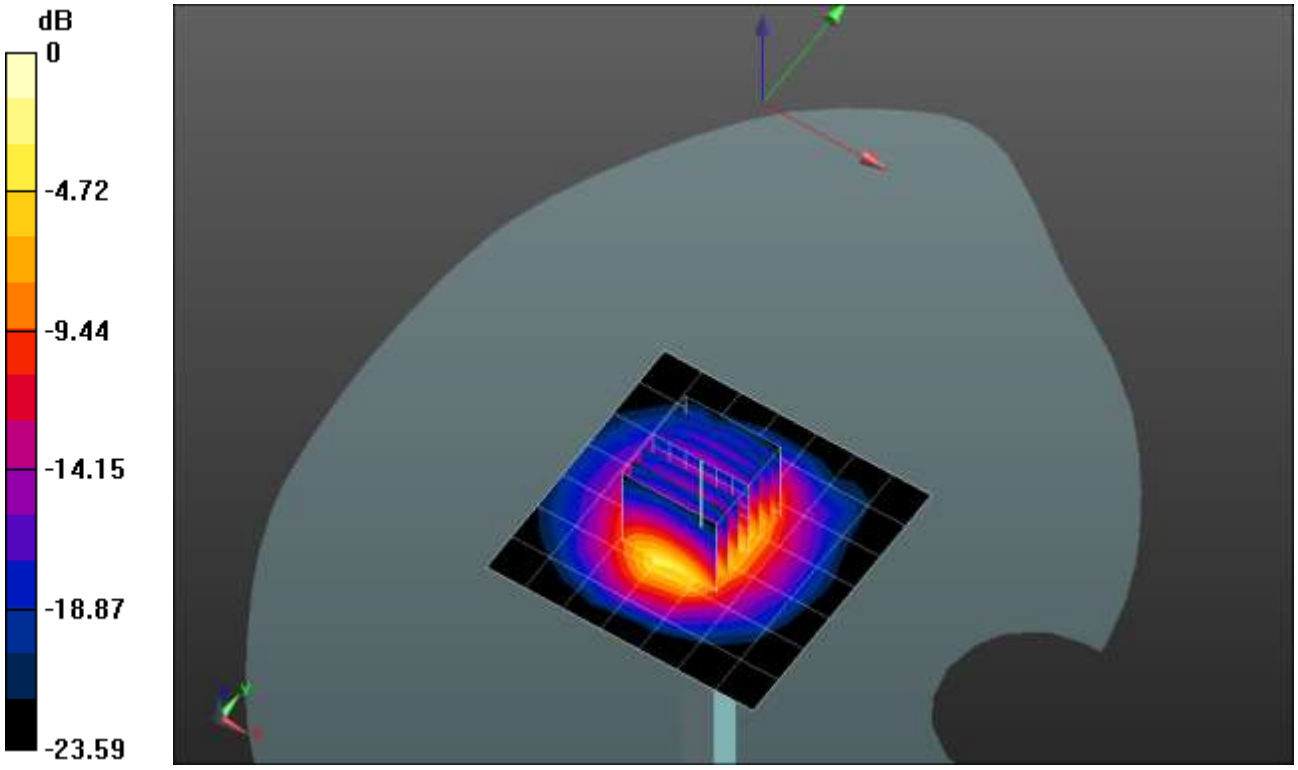
Frequency: 2600 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 2600 MHz; σ = 1.942 S/m; ε_r = 37.732; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2018
- Probe: EX3DV4 - SN3989; ConvF(7.57, 7.57, 7.57) @ 2600 MHz; Calibrated: 1/25/2019
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (20deg probe tilt); Type: QD000P40CD; Serial: 1629

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

Maximum value of SAR (measured) = 6.61 W/kg

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

Reference Value = 64.34 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 12.5 W/kg
SAR(1 g) = 5.74 W/kg; SAR(10 g) = 2.56 W/kg
Maximum value of SAR (measured) = 8.36 W/kg



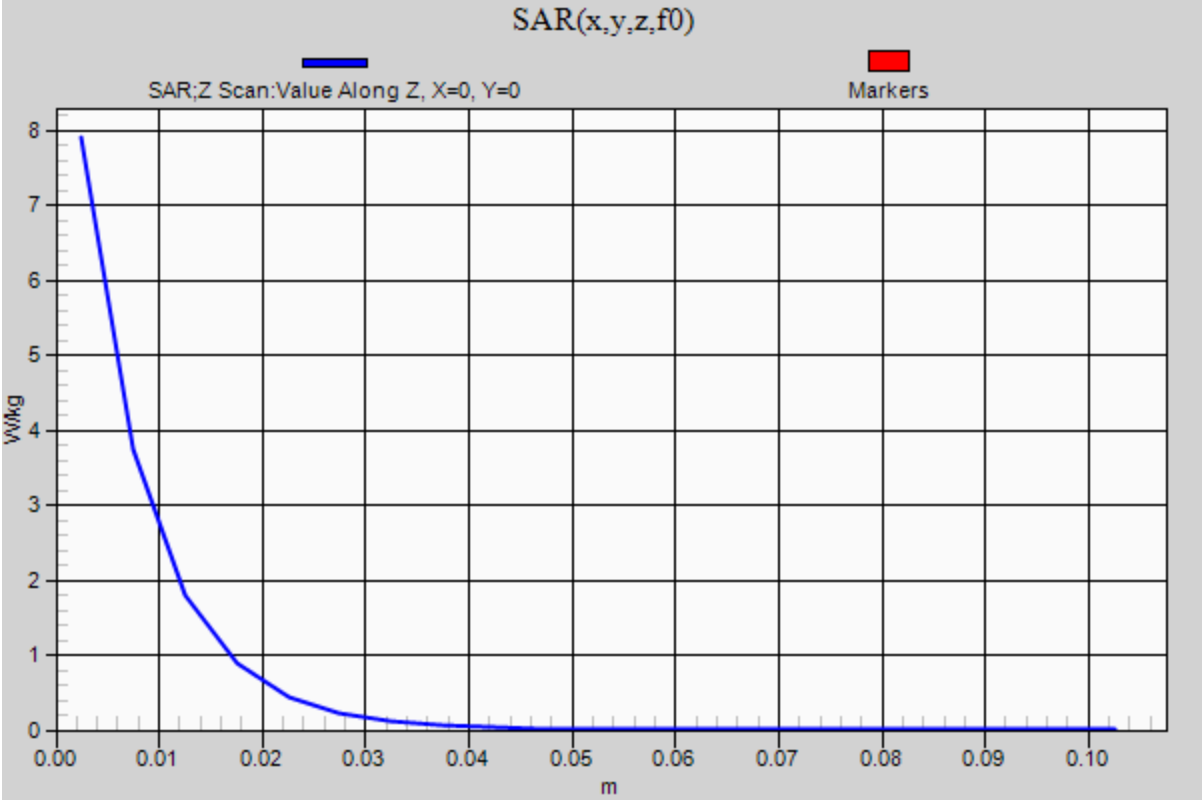
0 dB = 8.36 W/kg = 9.22 dBW/kg

20190730_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) = 7.91 W/kg



20190625_SystemPerformanceCheck-D1900V2 SN 5d163

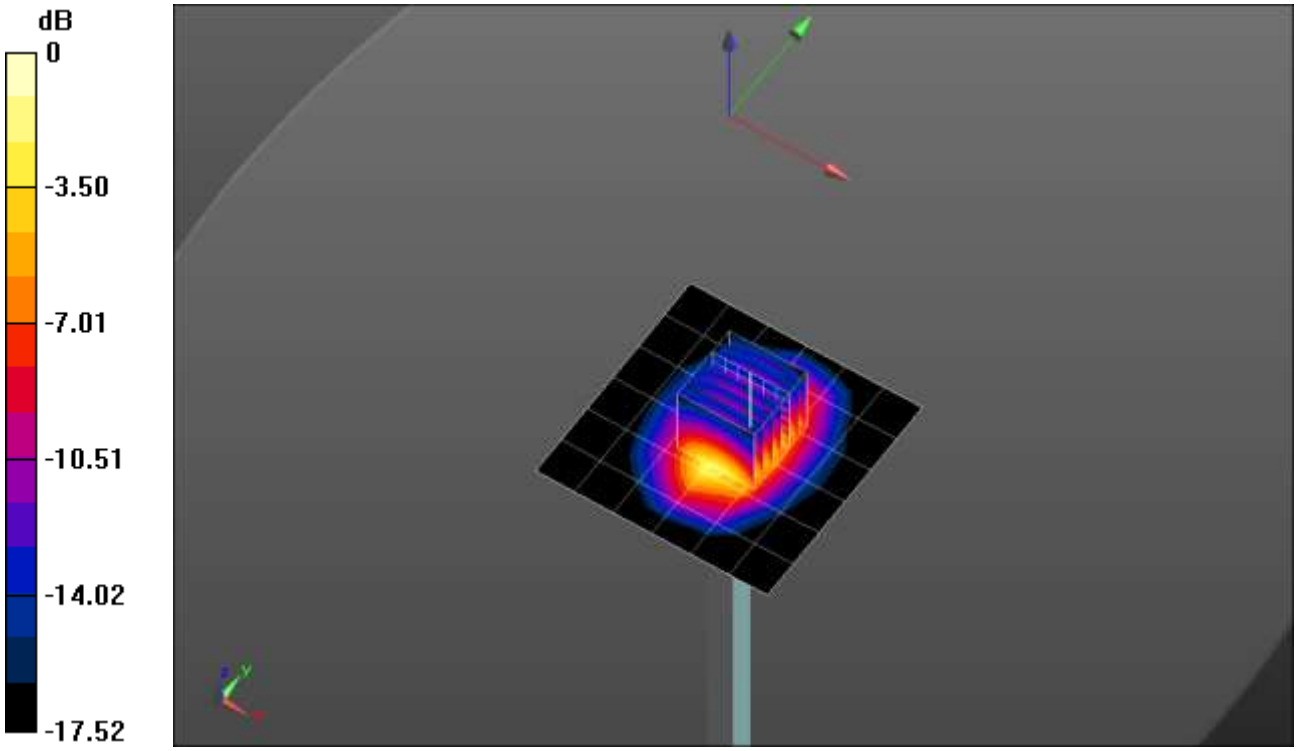
Frequency: 1900 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 1900 MHz; σ = 1.524 S/m; ε_r = 51.246; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1547; Calibrated: 5/14/2019
- Probe: EX3DV4 - SN7501; ConvF(8.44, 8.44, 8.44) @ 1900 MHz; Calibrated: 5/21/2019
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI V4.0 (20deg probe tilt); Type: QD OVA 001 Bx; Serial: 1045

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

Maximum value of SAR (measured) = 5.07 W/kg

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

Reference Value = 58.20 V/m; Power Drift = 0.20 dB
Peak SAR (extrapolated) = 7.67 W/kg
SAR(1 g) = 4.1 W/kg; SAR(10 g) = 2.13 W/kg
Maximum value of SAR (measured) = 5.58 W/kg



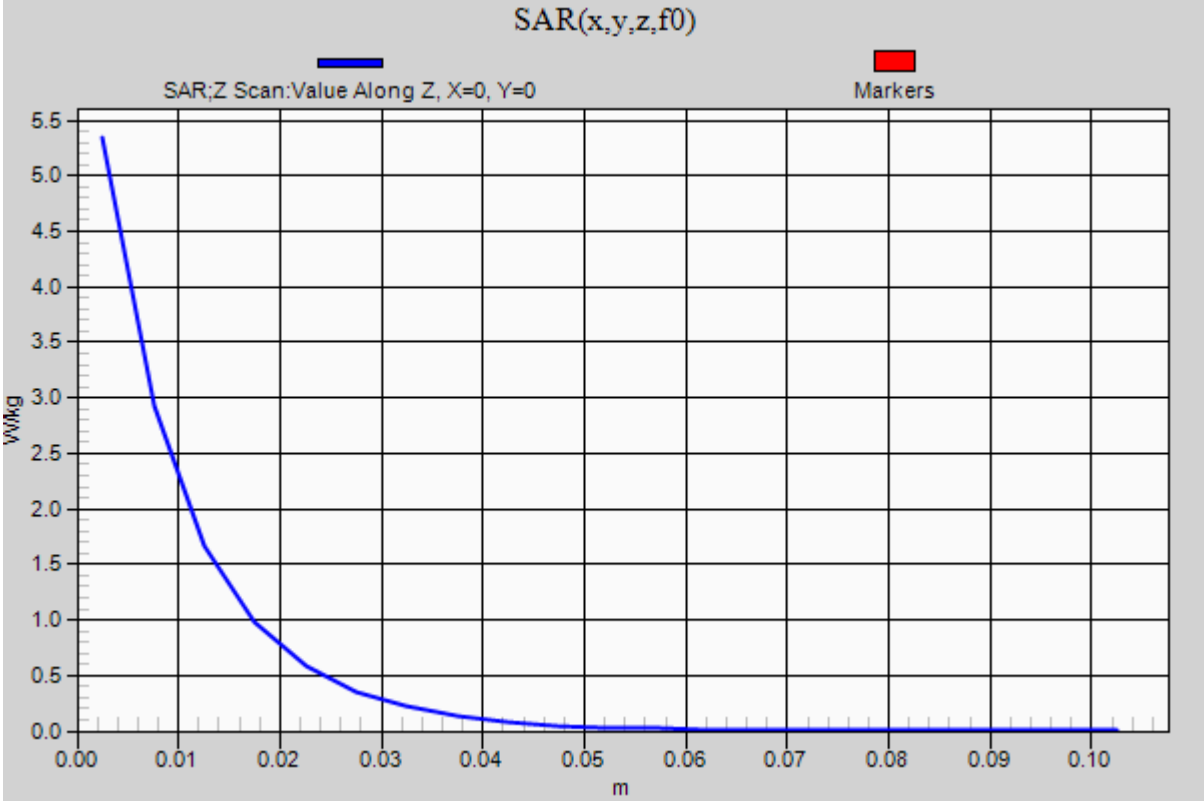
0 dB = 5.58 W/kg = 7.47 dBW/kg

20190625_SystemPerformanceCheck-D1900V2 SN 5d163

Frequency: 1900 MHz; Duty Cycle: 1:1

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

Maximum value of SAR (measured) = 5.34 W/kg



20190702_SystemPerformanceCheck-D1900V2 SN 5d140

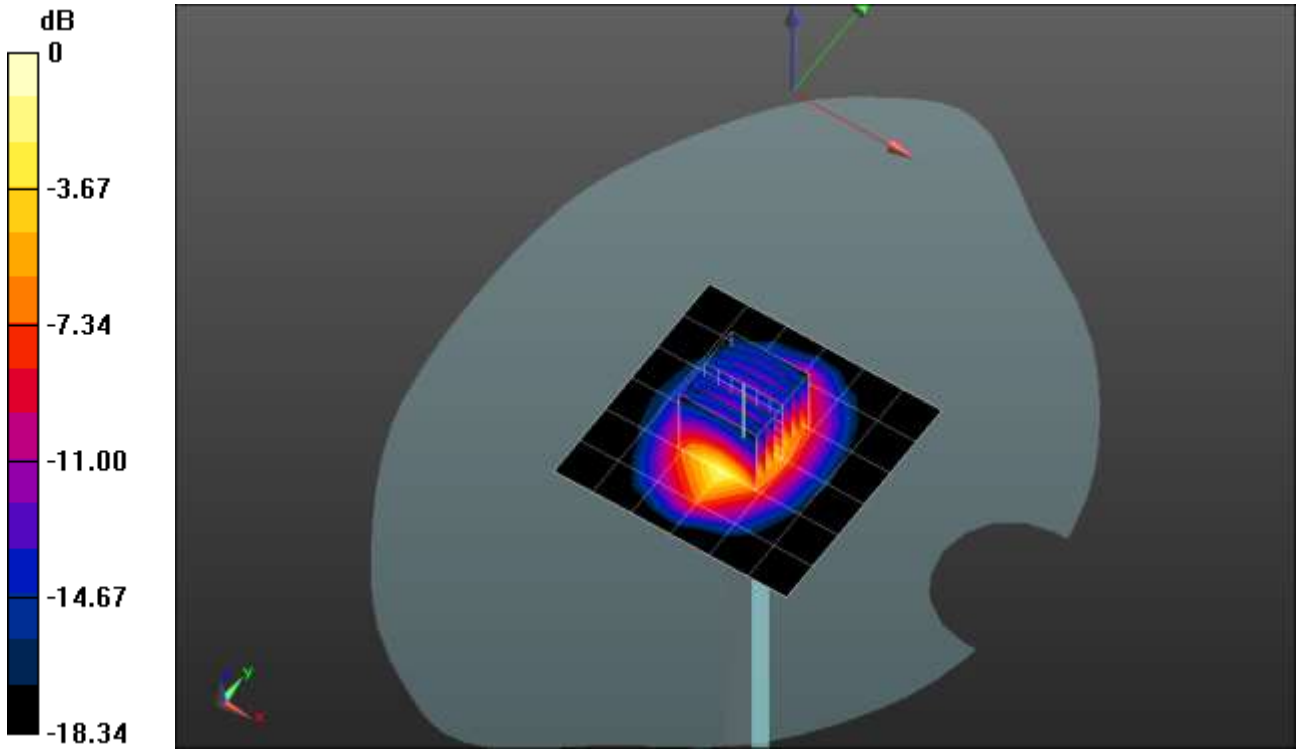
Frequency: 1900 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 1900 MHz; σ = 1.425 S/m; ε_r = 39.318; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1547; Calibrated: 5/14/2019
- Probe: EX3DV4 - SN7501; ConvF(8.72, 8.72, 8.72) @ 1900 MHz; Calibrated: 5/21/2019
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM v4.0(A); Type: QD000P40CD; Serial: 1632

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

Maximum value of SAR (measured) = 5.84 W/kg

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

Reference Value = 64.48 V/m; Power Drift = 0.19 dB
Peak SAR (extrapolated) = 8.26 W/kg
SAR(1 g) = 4.3 W/kg; SAR(10 g) = 2.17 W/kg
Maximum value of SAR (measured) = 5.94 W/kg



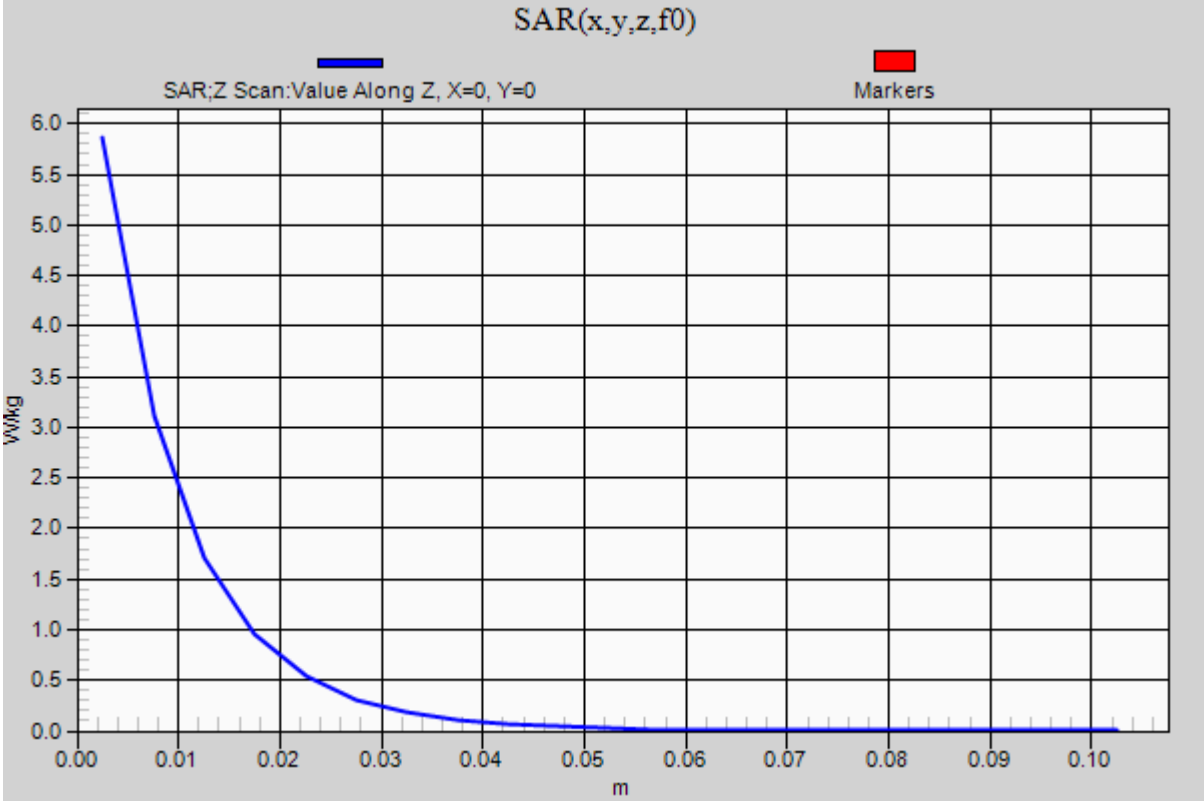
0 dB = 5.94 W/kg = 7.74 dBW/kg

20190702_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) = 5.86 W/kg



20190621_SystemPerformanceCheck-D2300V2 SN 1002

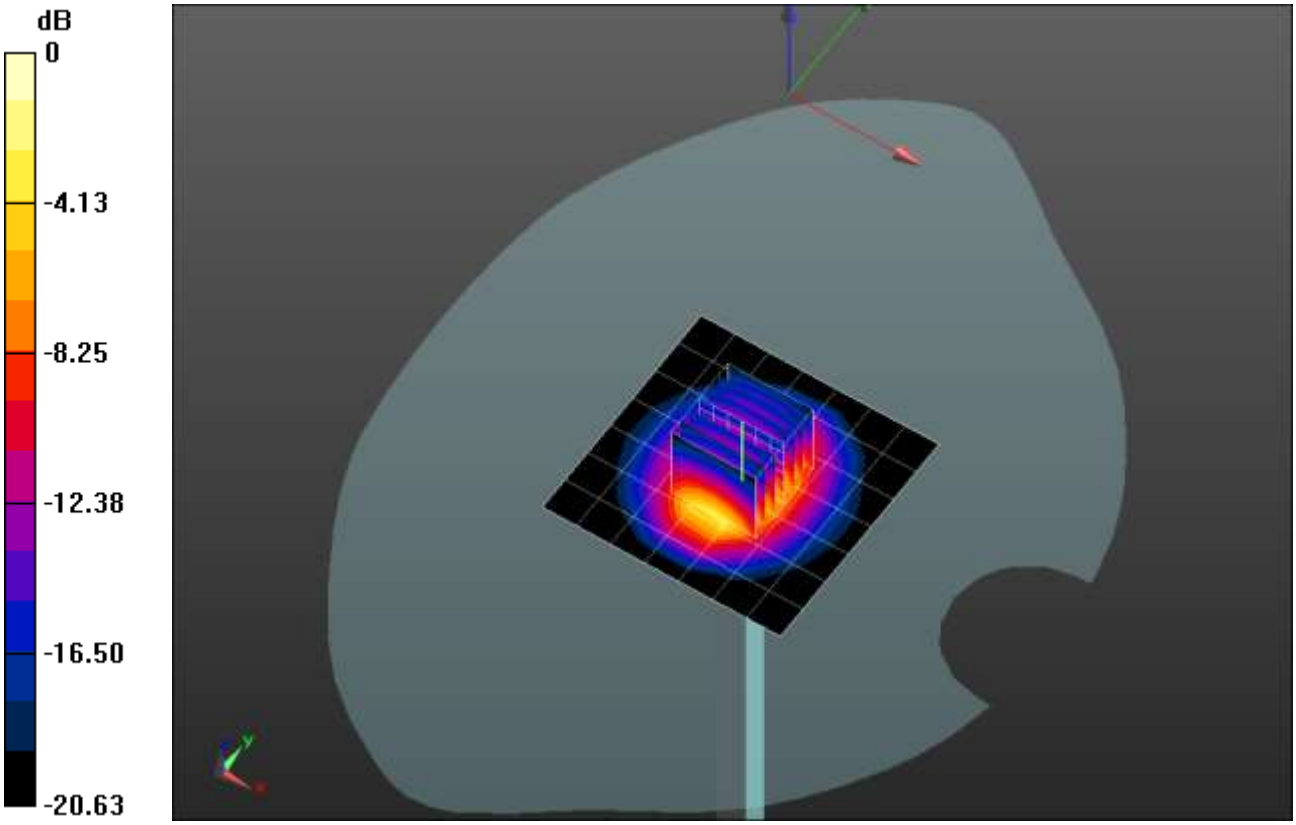
Frequency: 2300 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 2300 MHz; σ = 1.725 S/m; ε_r = 39.49; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1434; Calibrated: 4/16/2019
- Probe: EX3DV4 - SN7335; ConvF(7.92, 7.92, 7.92); Calibrated: 2/28/2019;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM B with CRP v5.0; Type: QD000P40CD; Serial: 1772

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

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 = 65.857 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 10.4 W/kg
SAR(1 g) = 5.19 W/kg; SAR(10 g) = 2.47 W/kg
Maximum value of SAR (measured) = 7.31 W/kg



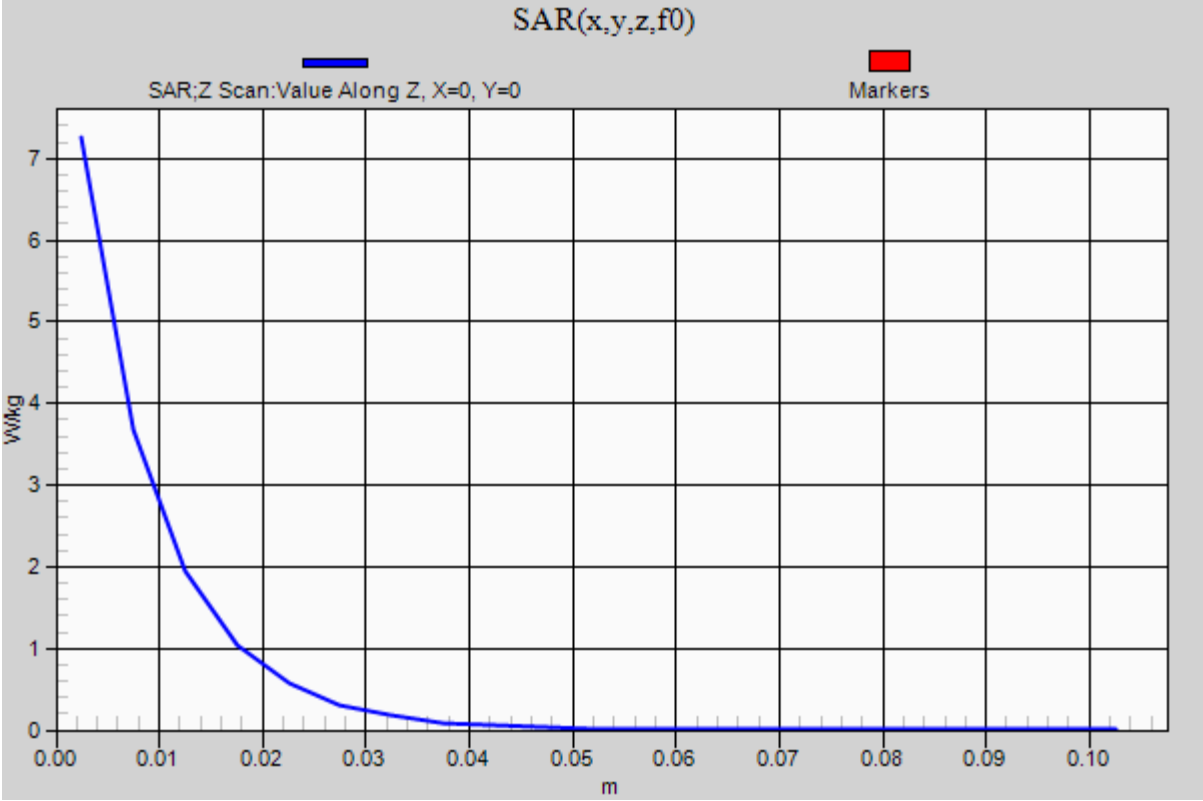
0 dB = 7.31 W/kg = 8.64 dBW/kg

20190621_SystemPerformanceCheck-D2300V2 SN 1002

Frequency: 2300 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) = 7.25 W/kg



20190729_SystemPerformanceCheck-D2600V2 SN 1036

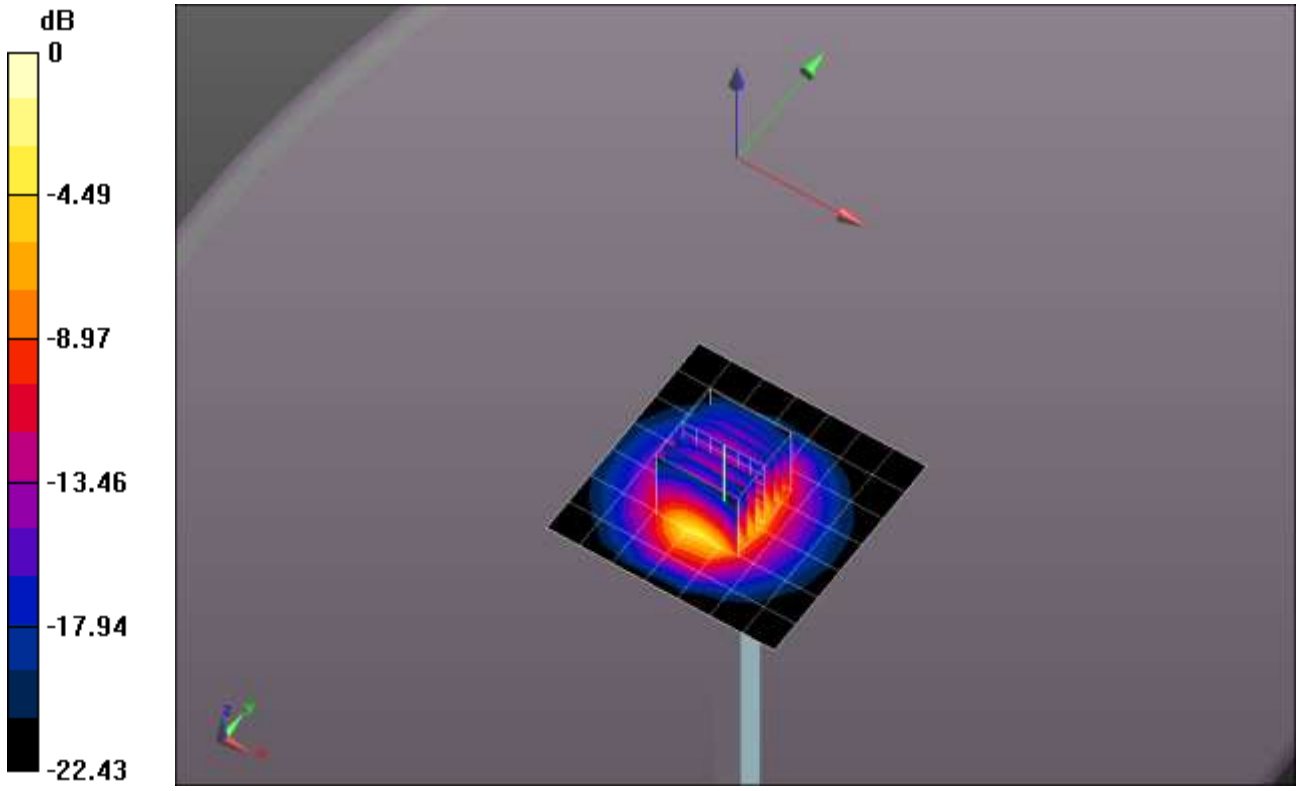
Frequency: 2600 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 2600 MHz; σ = 2.108 S/m; ε_r = 52.544; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1258; Calibrated: 5/14/2019
- Probe: EX3DV4 - SN7335; ConvF(7.5, 7.5, 7.5) @ 2600 MHz; Calibrated: 2/28/2019
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (A); Type: QDOVA002AA; Serial: 1256

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

Maximum value of SAR (measured) = 6.53 W/kg

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

Reference Value = 55.75 V/m; Power Drift = 0.16 dB
Peak SAR (extrapolated) = 10.6 W/kg
SAR(1 g) = 5.09 W/kg; SAR(10 g) = 2.28 W/kg
Maximum value of SAR (measured) = 7.31 W/kg



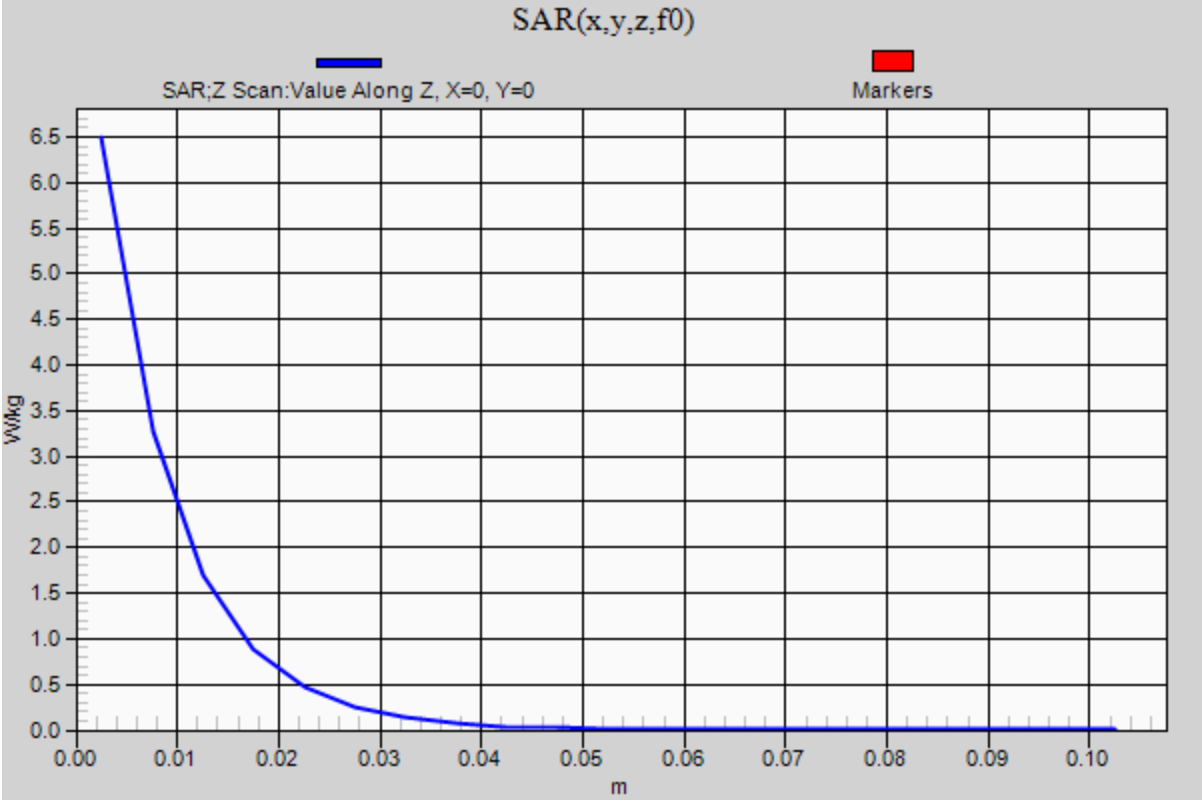
0 dB = 7.31 W/kg = 8.64 dBW/kg

20190729_SystemPerformanceCheck-D2600V2 SN 1036

Frequency: 2600 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) = 6.49 W/kg



20190617_SystemPerformanceCheck-D5GHzV2 SN 1168

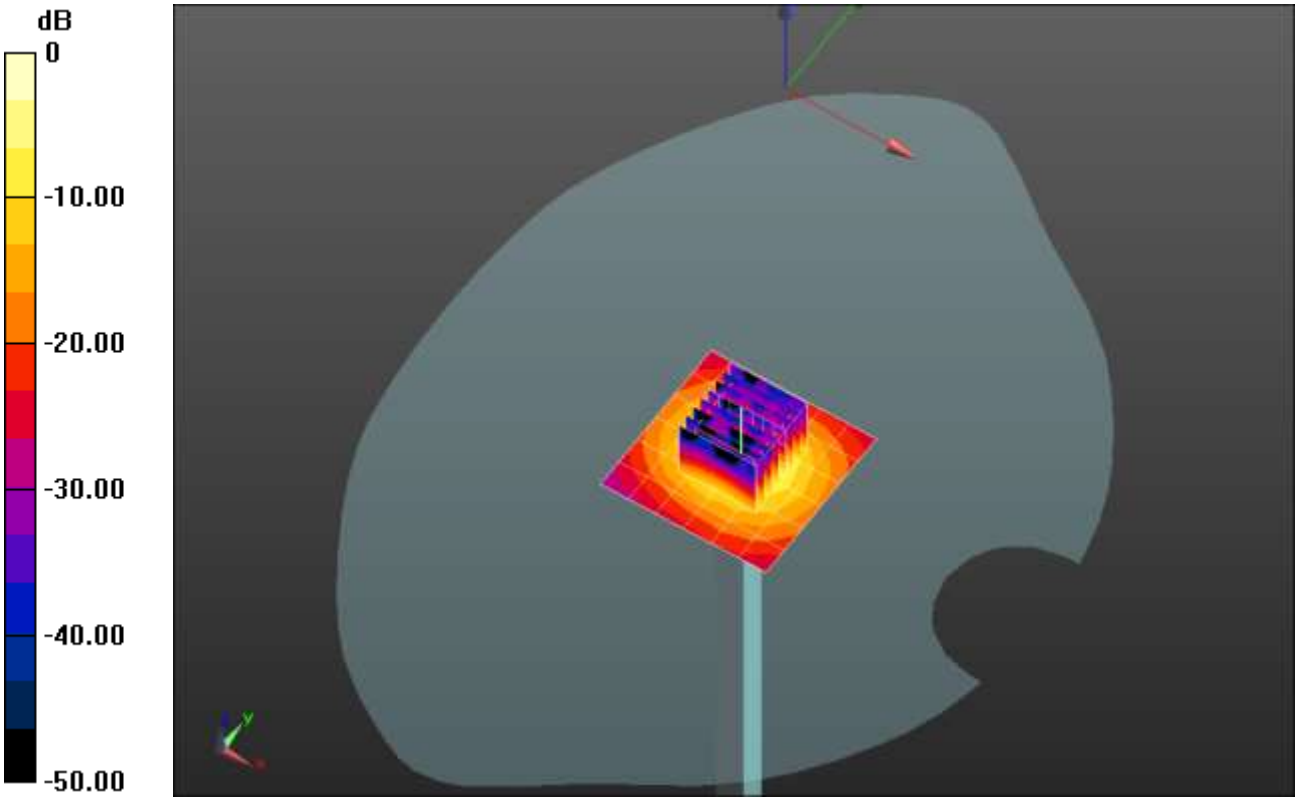
Frequency: 5750 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 5750 MHz; σ = 5.006 S/m; ε_r = 35.603; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1357; Calibrated: 2/13/2019
- Probe: EX3DV4 - SN3749; ConvF(4.35, 4.35, 4.35) @ 5750 MHz; Calibrated: 1/25/2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (20deg probe tilt); Type: SAM;

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

Maximum value of SAR (measured) = 18.9 W/kg

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

Reference Value = 52.69 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 33.5 W/kg
SAR(1 g) = 7.35 W/kg; SAR(10 g) = 2.1 W/kg
Maximum value of SAR (measured) = 18.1 W/kg

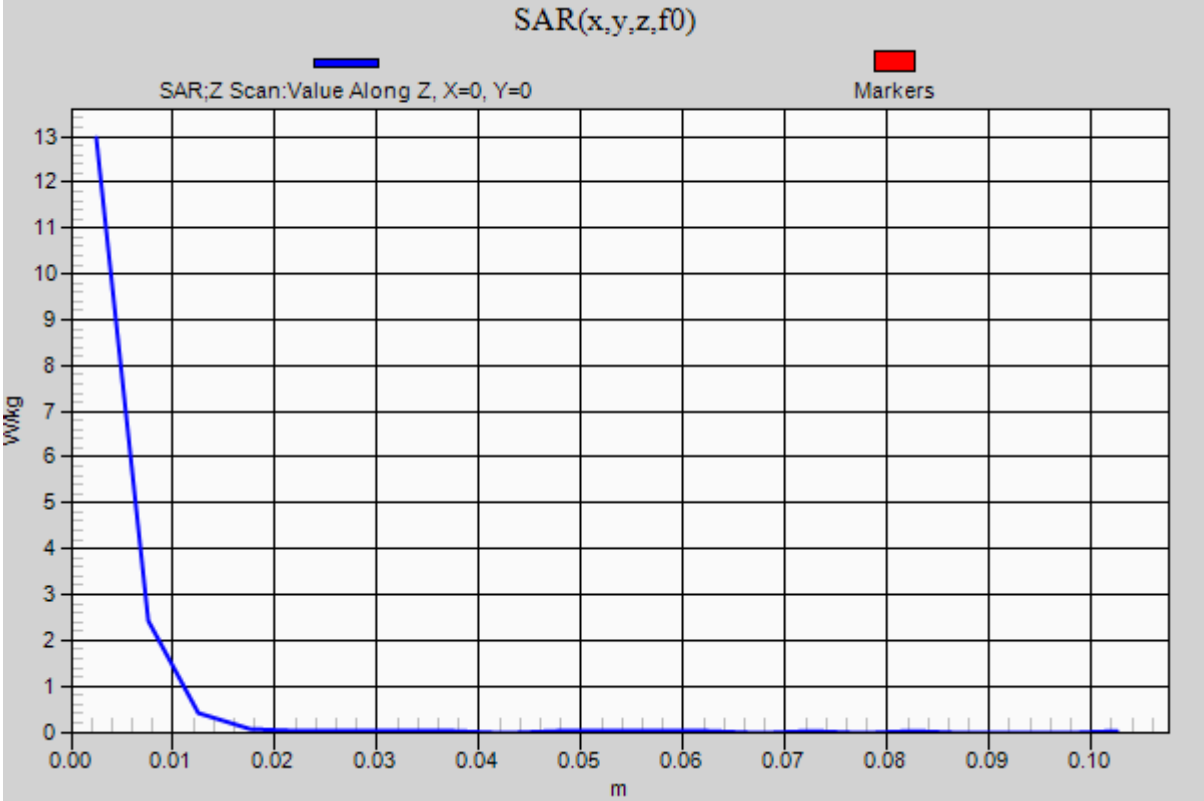


0 dB = 18.1 W/kg = 12.58 dBW/kg

20190617_SystemPerformanceCheck-D5GHzV2 SN 1168

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) = 13.0 W/kg



20190710_SystemPerformanceCheck-D2450V2 SN 899

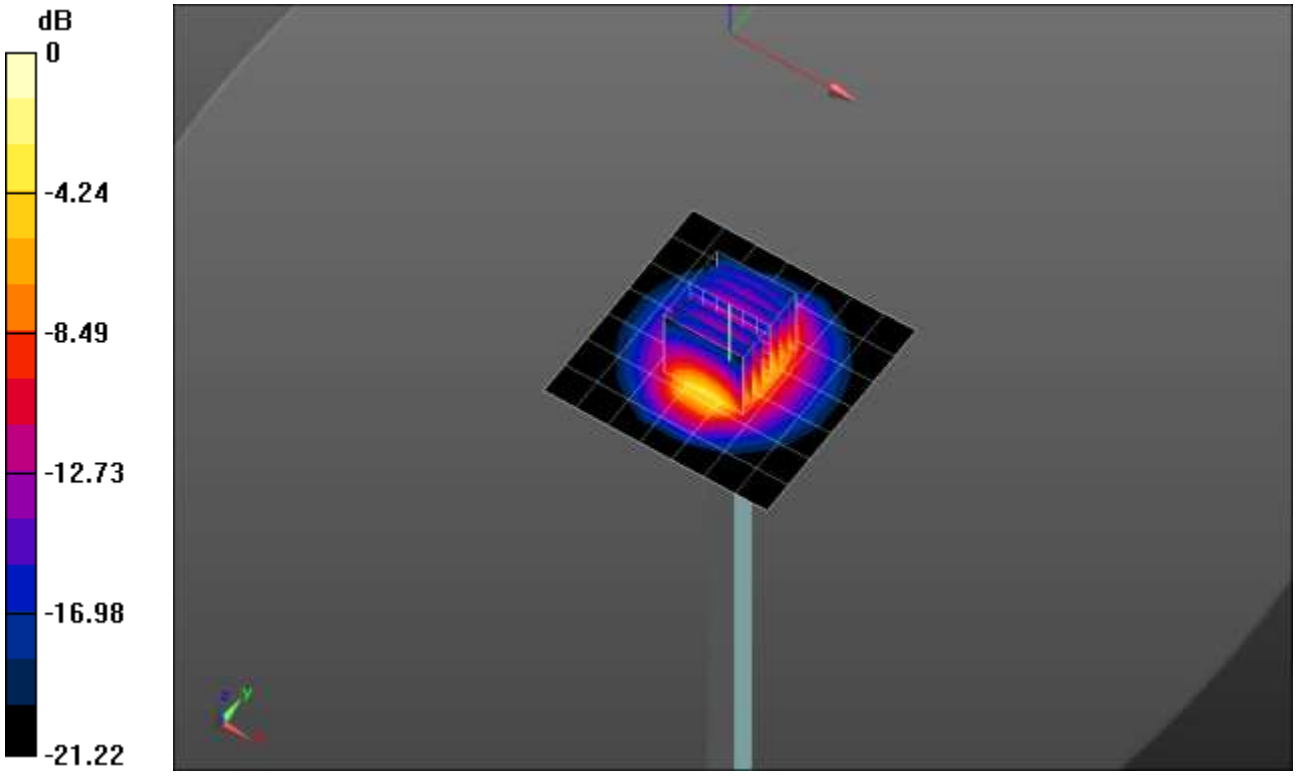
Frequency: 2450 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 2450 MHz; σ = 1.922 S/m; ε_r = 52.243; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1357; Calibrated: 2/13/2019
- Probe: EX3DV4 - SN3749; ConvF(6.89, 6.89, 6.89); Calibrated: 1/25/2019, ConvF(6.89, 6.89, 6.89); Calibrated: 1/25/2019;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI V5.0 Slot 6/7; Type: QD OVA 002 AA; Serial: 1247

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

Maximum value of SAR (measured) = 5.38 W/kg

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

Reference Value = 63.23 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 10.7 W/kg
SAR(1 g) = 5.35 W/kg; SAR(10 g) = 2.52 W/kg
Maximum value of SAR (measured) = 7.53 W/kg

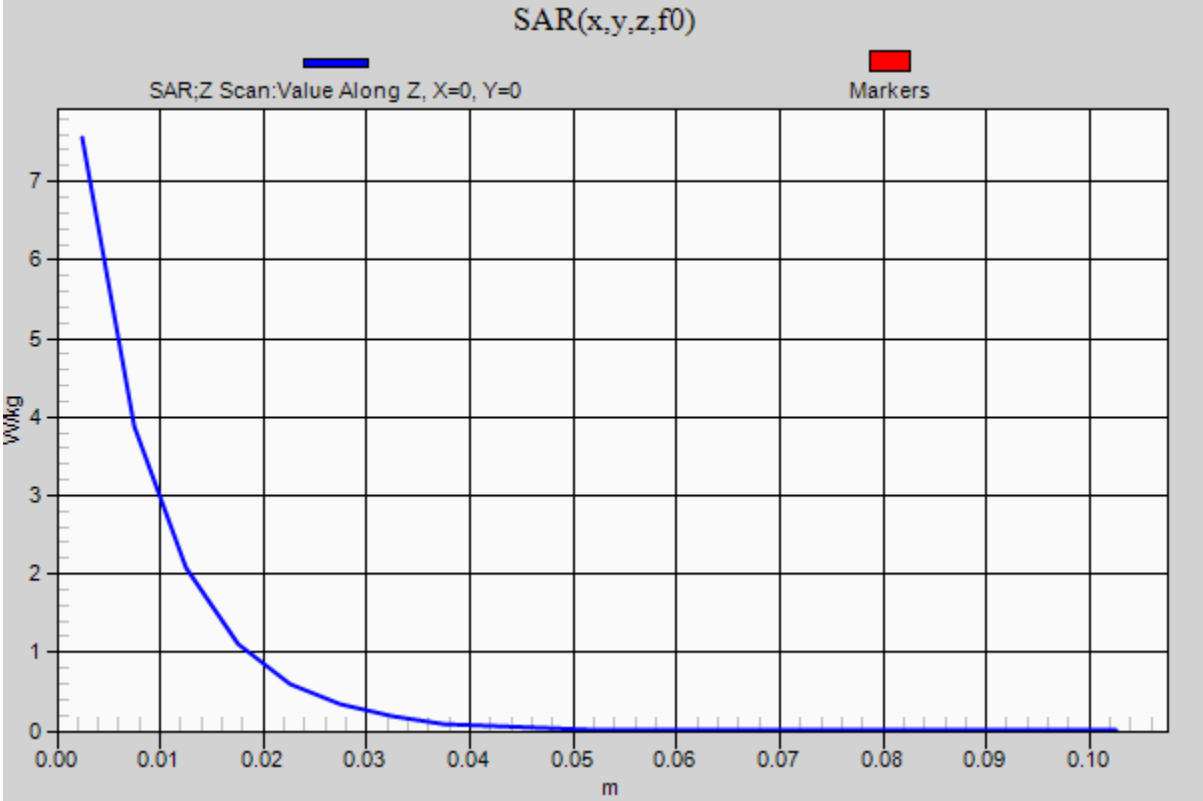


0 dB = 7.53 W/kg = 8.77 dBW/kg

20190710_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) = 7.56 W/kg



20190730_SystemPerformanceCheck-D2600V2 SN 1036

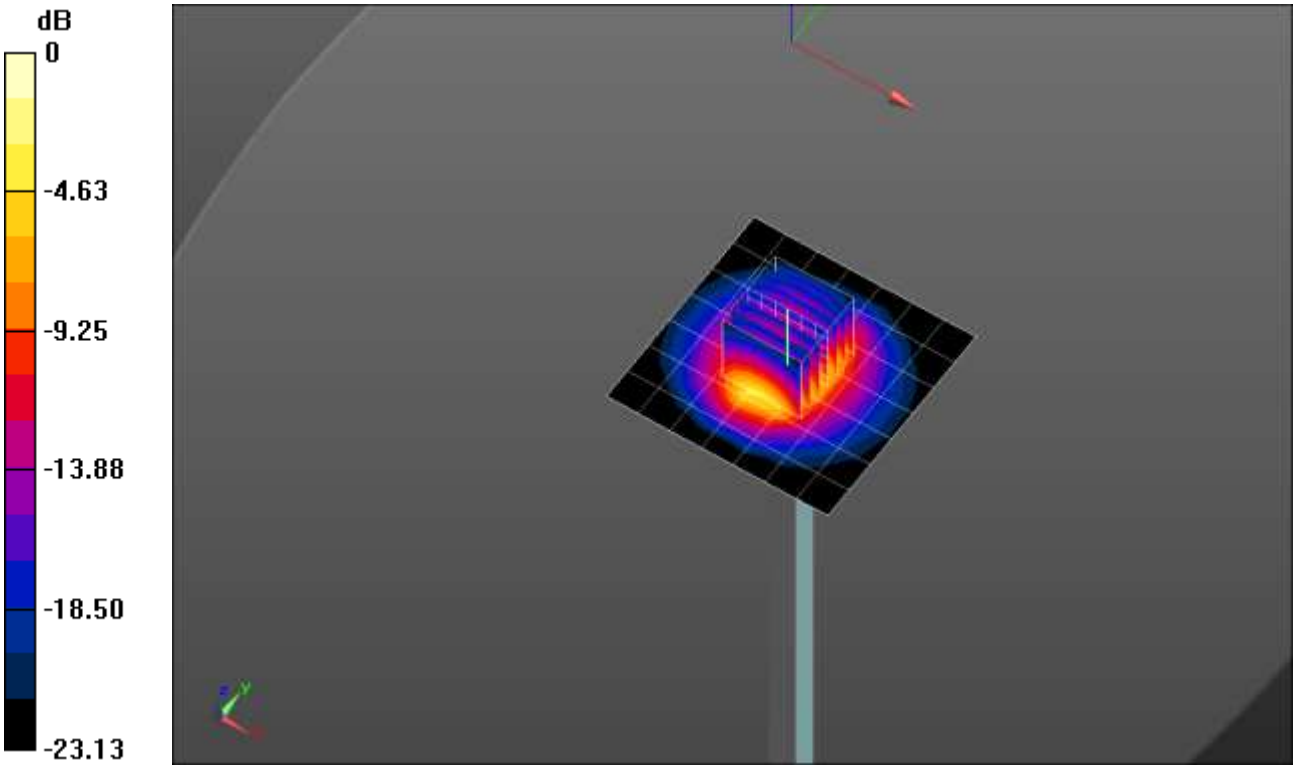
Frequency: 2600 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 2600 MHz; σ = 2.199 S/m; ε_r = 52.102; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1357; Calibrated: 2/13/2019
- Probe: EX3DV4 - SN3749; ConvF(6.69, 6.69, 6.69); Calibrated: 1/25/2019, ConvF(6.69, 6.69, 6.69); Calibrated: 1/25/2019;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI V5.0 Slot 6/7; Type: QD OVA 002 AA; Serial: 1247

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

Maximum value of SAR (measured) = 6.33 W/kg

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

Reference Value = 61.14 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 11.9 W/kg
SAR(1 g) = 5.66 W/kg; SAR(10 g) = 2.53 W/kg
Maximum value of SAR (measured) = 8.17 W/kg



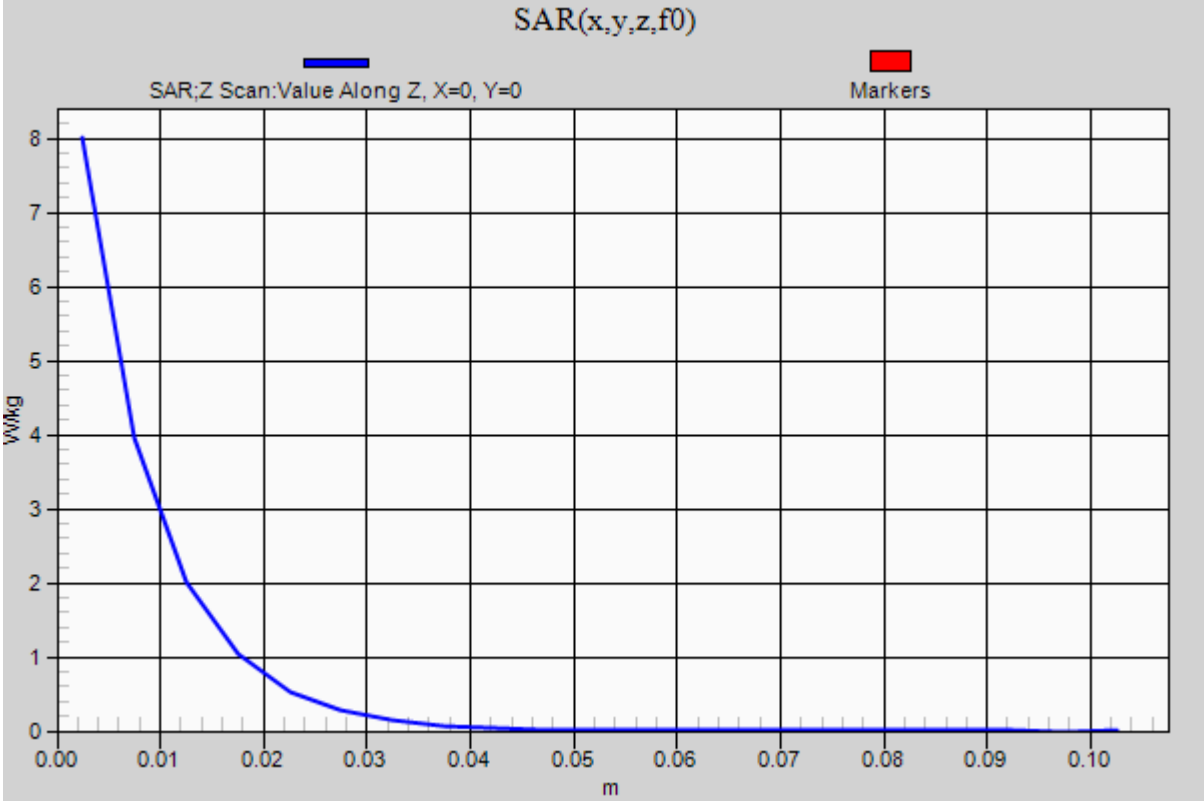
0 dB = 8.17 W/kg = 9.12 dBW/kg

20190730_SystemPerformanceCheck-D2600V2 SN 1036

Frequency: 2600 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) = 8.01 W/kg



20190624_SystemPerformanceCheck-D2450V2 SN 899

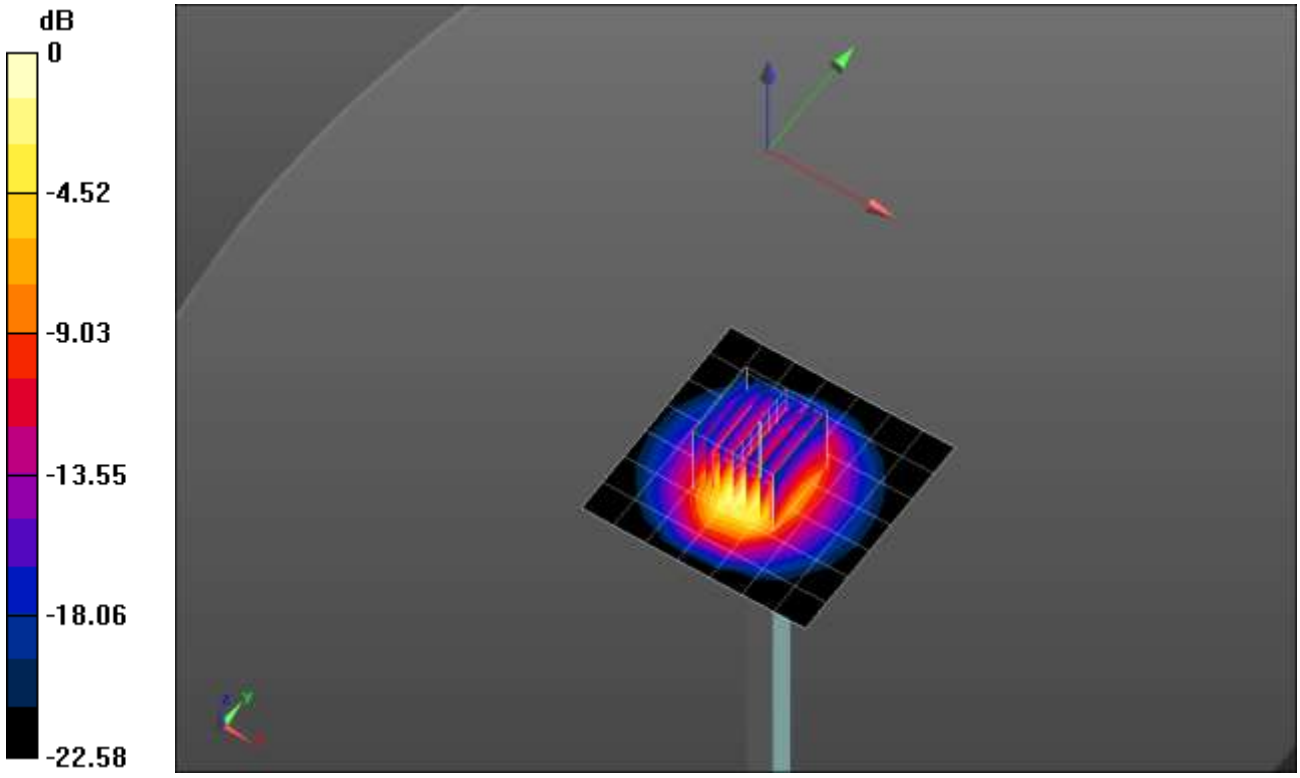
Frequency: 2450 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 2450 MHz; σ = 2.014 S/m; ε_r = 51.275; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1548; Calibrated: 4/16/2019
- Probe: EX3DV4 - SN7356; ConvF(8.09, 8.09, 8.09); Calibrated: 4/17/2019;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI V5.0 Slot 6/7; Type: QD OVA 002 AA; Serial: 1247

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

Maximum value of SAR (measured) = 6.30 W/kg

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

Reference Value = 60.637 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 11.3 W/kg
SAR(1 g) = 5.45 W/kg; SAR(10 g) = 2.51 W/kg
Maximum value of SAR (measured) = 7.73 W/kg



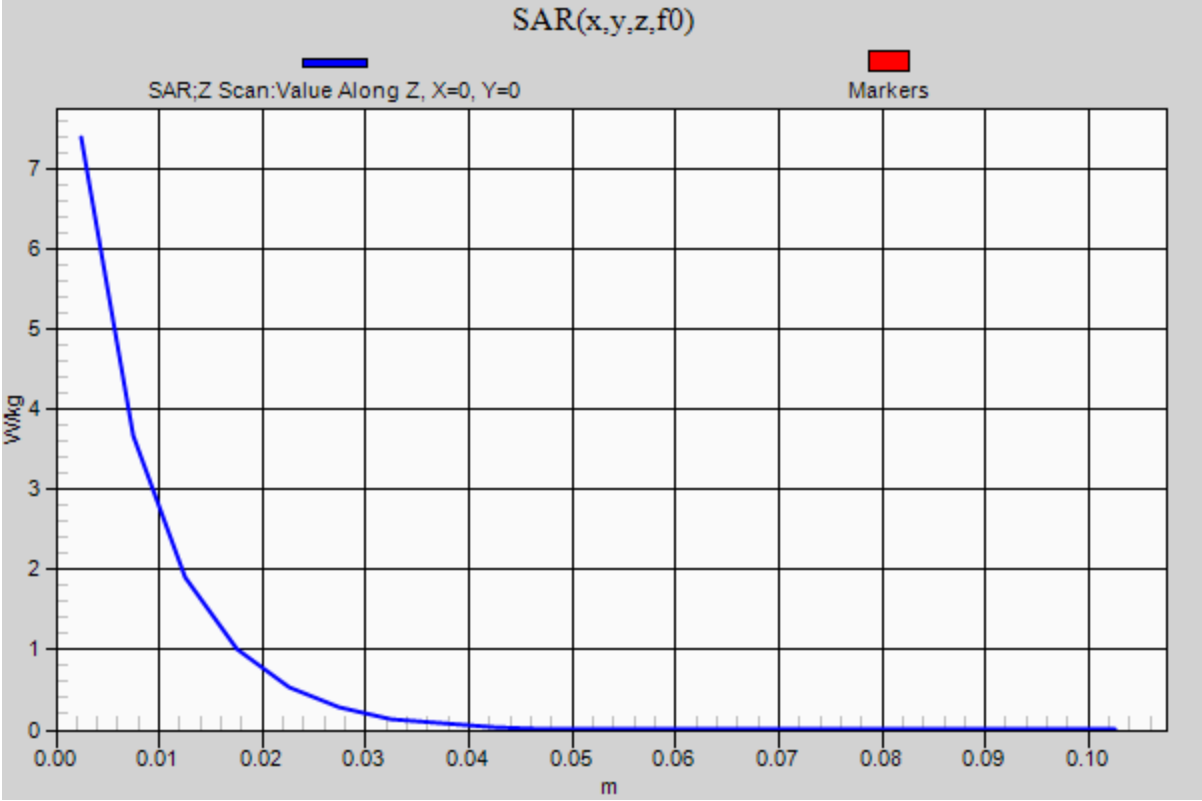
0 dB = 7.73 W/kg = 8.88 dBW/kg

20190624_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) = 7.39 W/kg



20190730_SystemPerformanceCheck-D2600V2 SN 1036

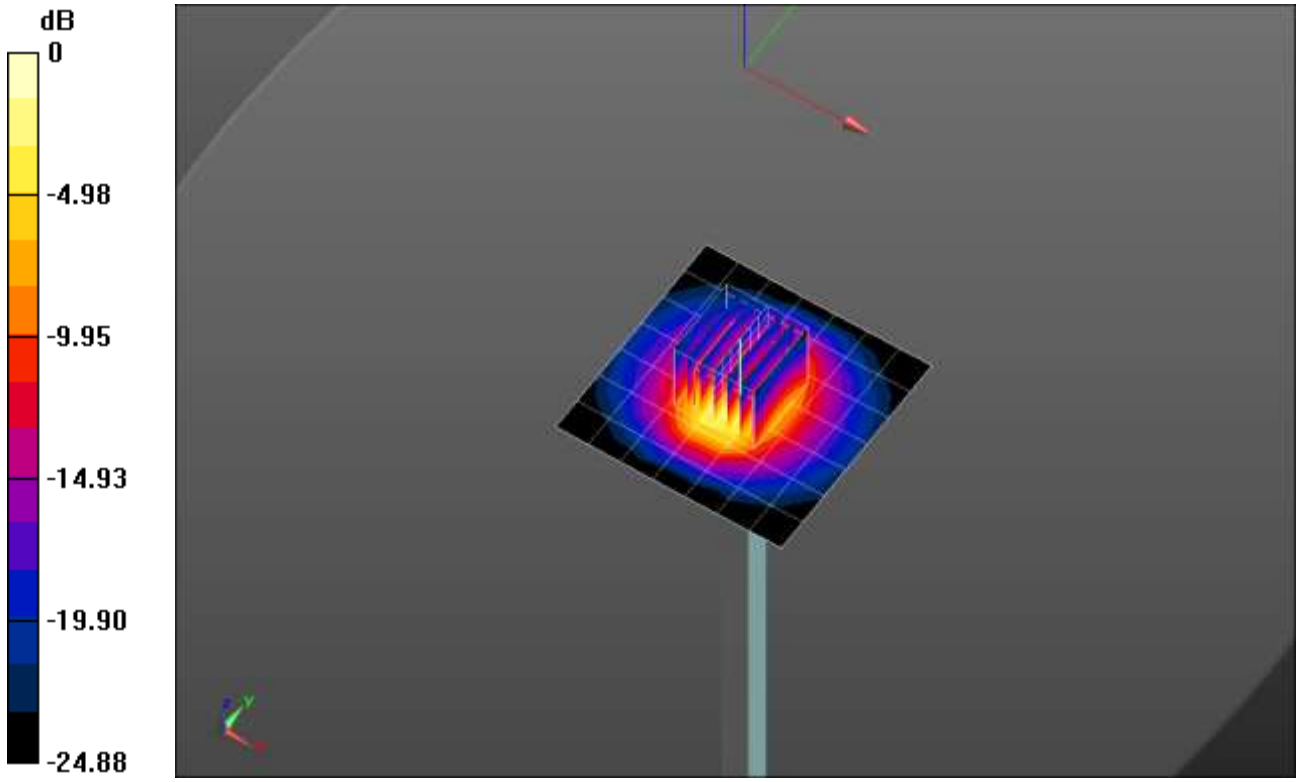
Frequency: 2600 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 2600 MHz; σ = 2.172 S/m; ε_r = 51.681; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1548; Calibrated: 4/16/2019
- Probe: EX3DV4 - SN7356; ConvF(7.94, 7.94, 7.94) @ 2600 MHz; Calibrated: 4/17/2019
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI V5.0 Slot 6/7; Type: QD OVA 002 Ax; Serial: 1163

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

Maximum value of SAR (measured) = 5.86 W/kg

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

Reference Value = 62.12 V/m; Power Drift = -0.17 dB
Peak SAR (extrapolated) = 12.7 W/kg
SAR(1 g) = 5.58 W/kg; SAR(10 g) = 2.39 W/kg
Maximum value of SAR (measured) = 8.21 W/kg



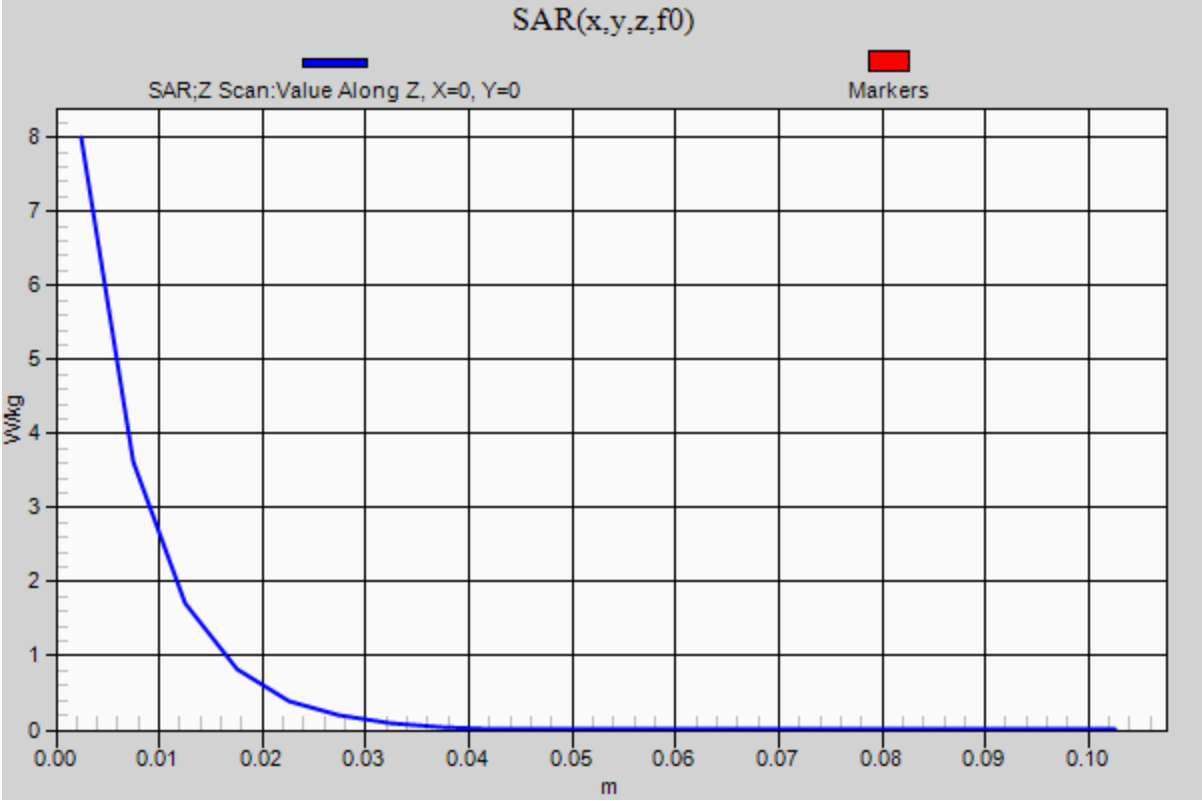
0 dB = 8.21 W/kg = 9.14 dBW/kg

20190730_SystemPerformanceCheck-D2600V2 SN 1036

Frequency: 2600 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) = 8.00 W/kg



20190809_SystemPerformanceCheck-D3700V2 SN 1039

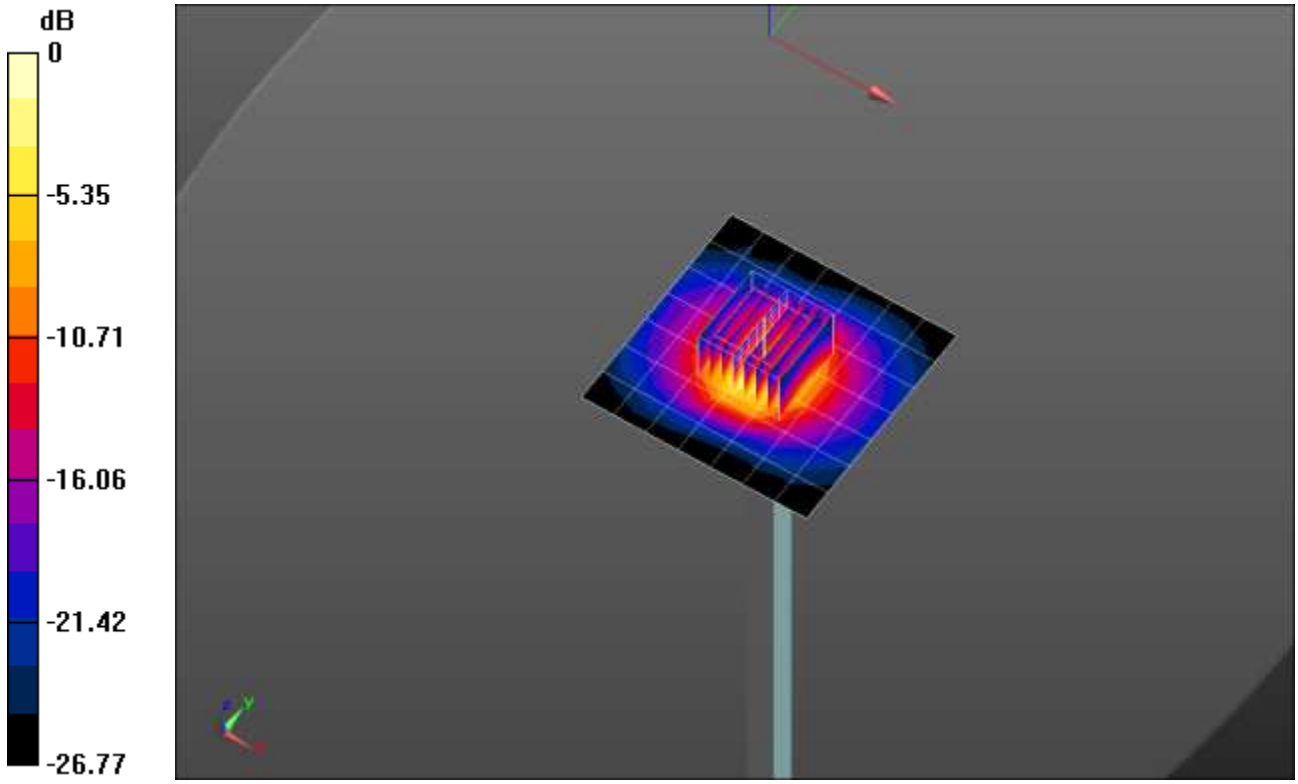
Frequency: 3700 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 3700 MHz; σ = 3.407 S/m; ε_r = 50; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1548; Calibrated: 4/16/2019
- Probe: EX3DV4 - SN7356; ConvF(7.02, 7.02, 7.02) @ 3700 MHz; Calibrated: 4/17/2019
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI V5.0 Slot 1/2; Type: QD OVA 002 Ax; Serial: 1119

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

Maximum value of SAR (measured) = 6.78 W/kg

Body/Pin=100 mW/Zoom Scan (8x8x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 55.99 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 17.8 W/kg
SAR(1 g) = 6.58 W/kg; SAR(10 g) = 2.39 W/kg
Maximum value of SAR (measured) = 10.0 W/kg



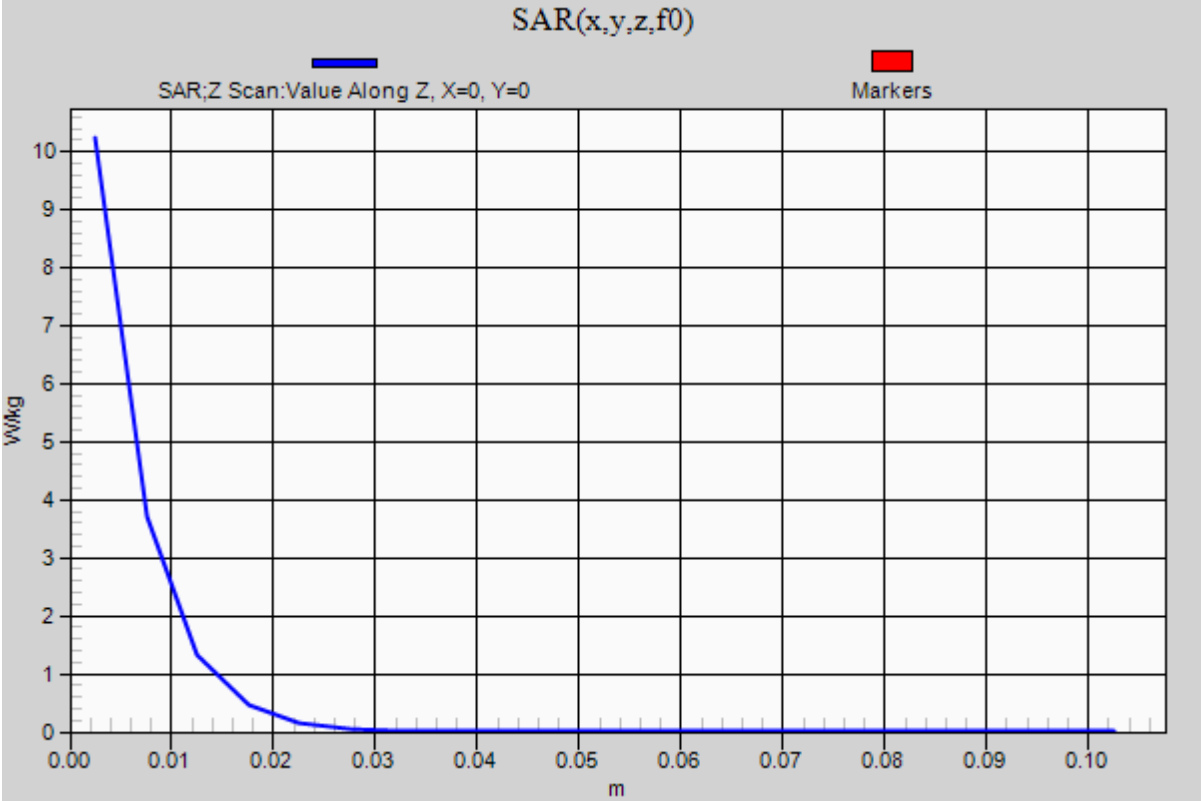
0 dB = 10.0 W/kg = 10.00 dBW/kg

20190809_SystemPerformanceCheck-D3700V2 SN 1039

Frequency: 3700 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) = 10.2 W/kg



20190620_SystemPerformanceCheck-D5GHzV2 SN 1168

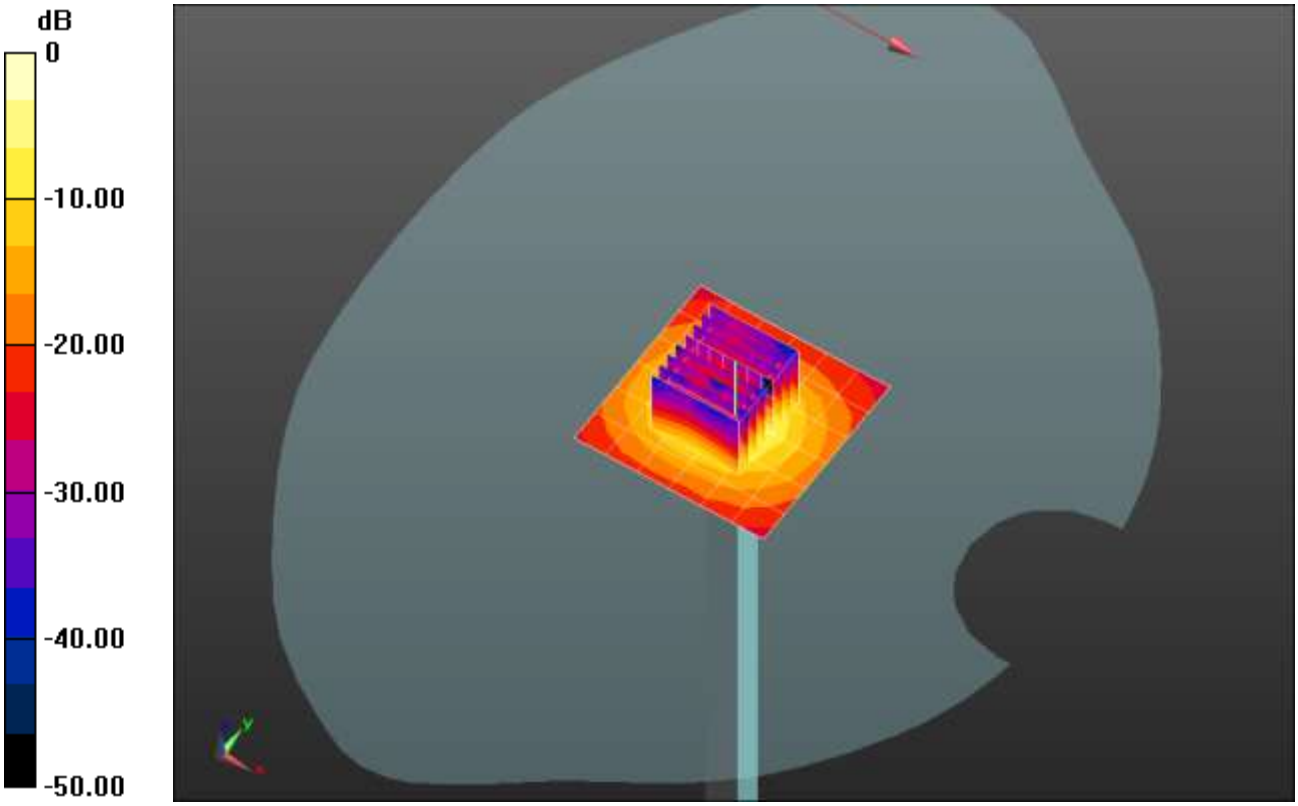
Frequency: 5250 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 5250 MHz; σ = 4.522 S/m; ε_r = 36.255; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1257; Calibrated: 9/14/2018
- Probe: EX3DV4 - SN7448; ConvF(4.99, 4.99, 4.99) @ 5250 MHz; Calibrated: 3/27/2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (20deg probe tilt); Type: QD000P40CD; Serial: 1629

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

Maximum value of SAR (measured) = 17.7 W/kg

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

Reference Value = 56.29 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 28.9 W/kg
SAR(1 g) = 7.36 W/kg; SAR(10 g) = 2.11 W/kg
Maximum value of SAR (measured) = 17.0 W/kg

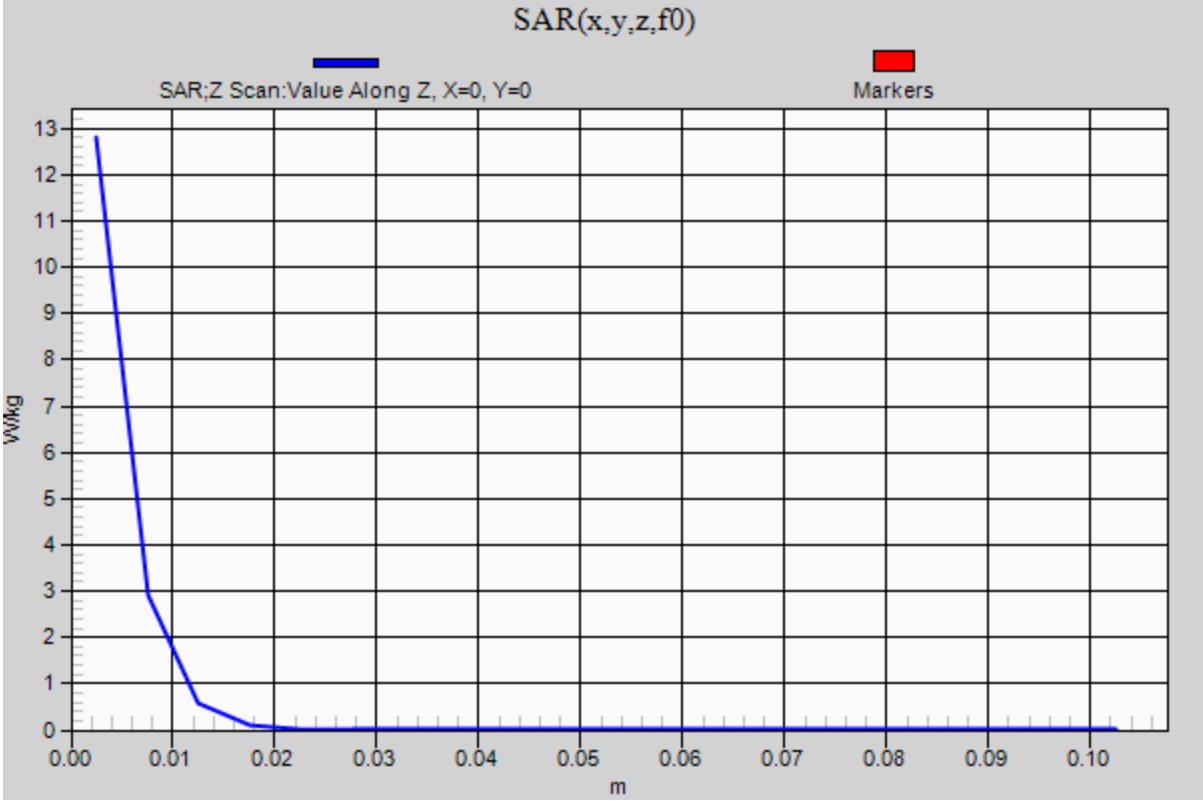


0 dB = 17.0 W/kg = 12.30 dBW/kg

20190620_SystemPerformanceCheck-D5GHzV2 SN 1168

Frequency: 5250 MHz; Duty Cycle: 1:1

Head/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



20190626_SystemPerformanceCheck-D2600V2 SN 1036

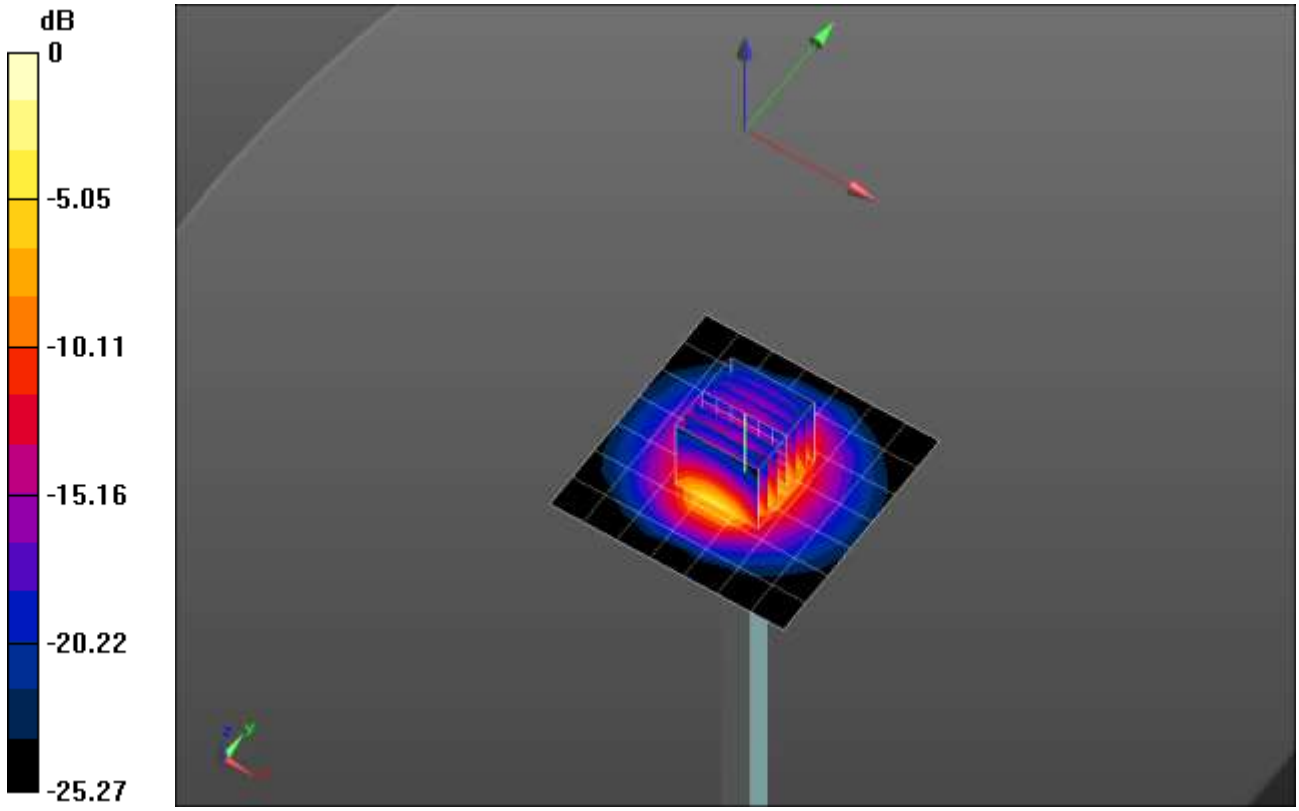
Frequency: 2600 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 2600 MHz; σ = 2.172 S/m; ε_r = 51.061; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1257; Calibrated: 9/14/2018
- Probe: EX3DV4 - SN7448; ConvF(7.36, 7.36, 7.36) @ 2600 MHz; Calibrated: 3/27/2019
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI V5.0 Slot 6/7; Type: QD OVA 002 AA; Serial: 1247

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

Maximum value of SAR (measured) = 3.62 W/kg

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

Reference Value = 58.44 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 11.2 W/kg
SAR(1 g) = 5.03 W/kg; SAR(10 g) = 2.19 W/kg
Maximum value of SAR (measured) = 7.25 W/kg



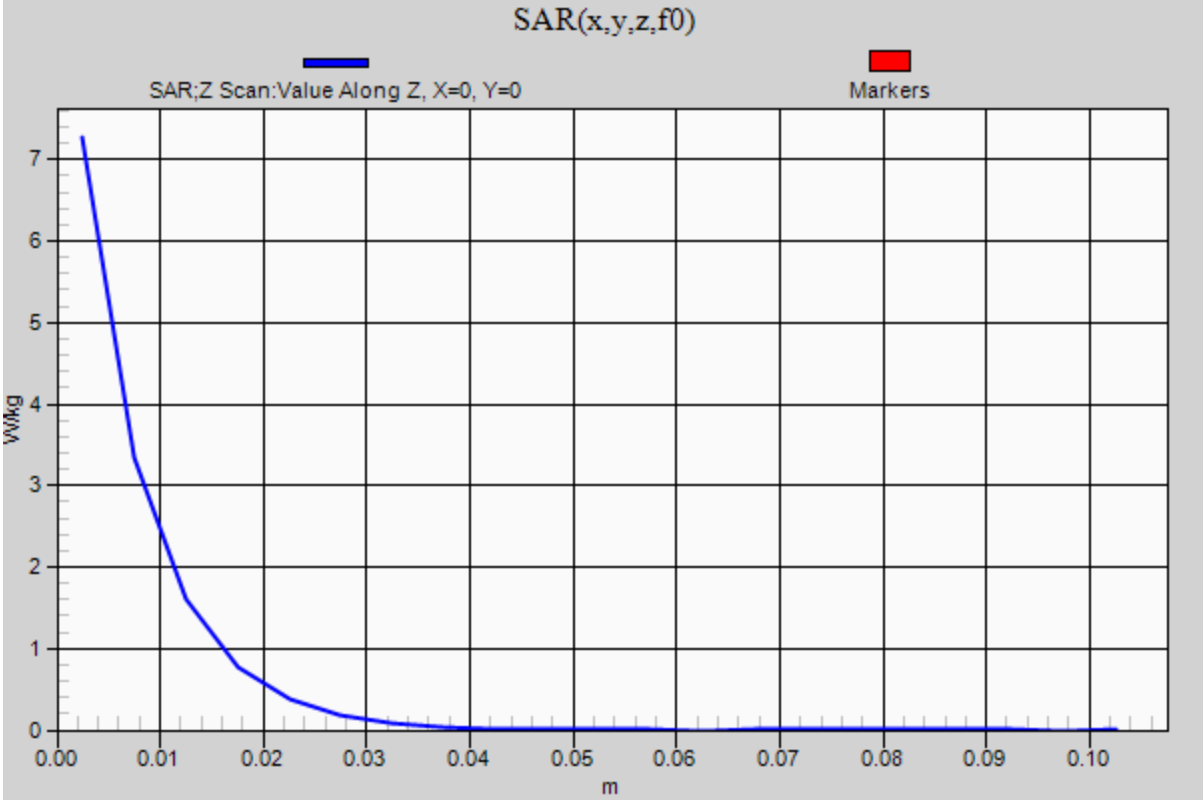
0 dB = 7.25 W/kg = 8.60 dBW/kg

20190626_SystemPerformanceCheck-D2600V2 SN 1036

Frequency: 2600 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) = 7.27 W/kg



20190703_SystemPerformanceCheck-D1900V2 SN 5d140

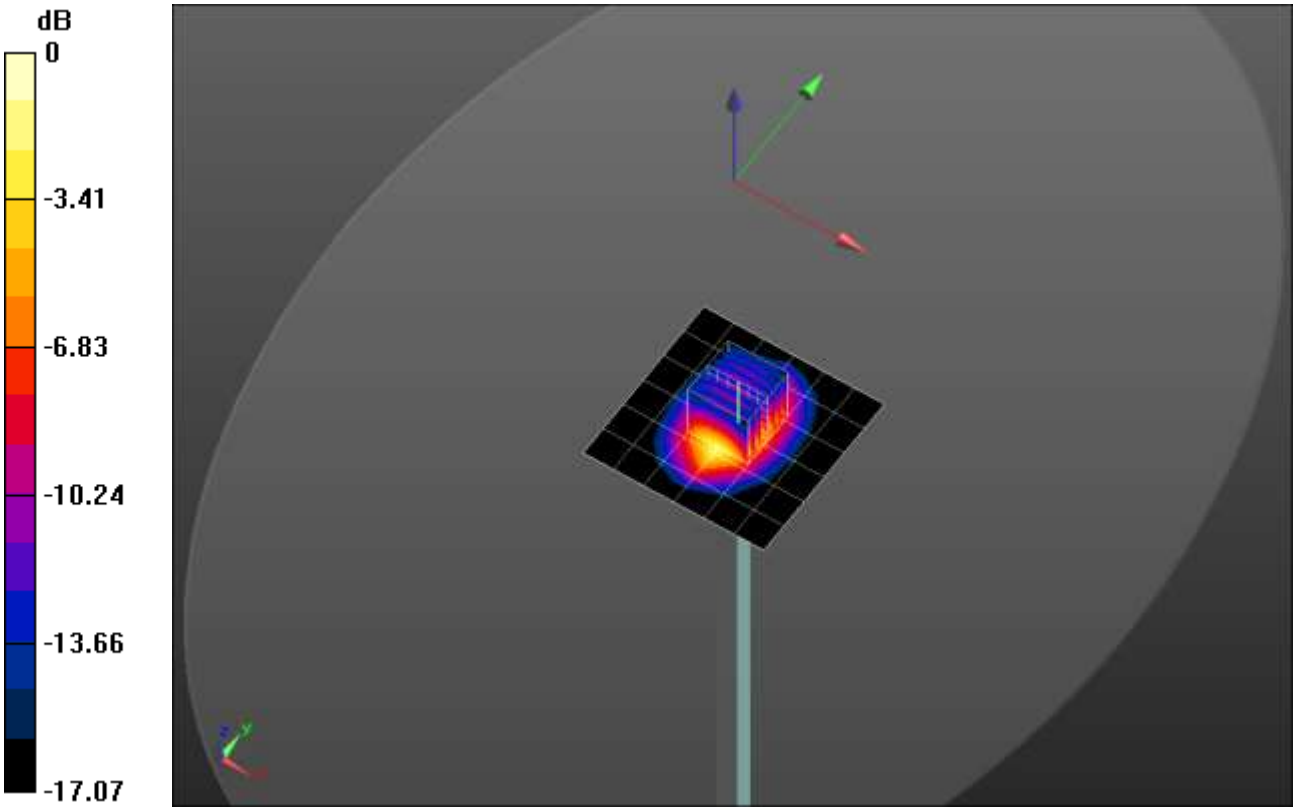
Frequency: 1900 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 1900 MHz; σ = 1.54 S/m; ε_r = 51.427; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1257; Calibrated: 9/14/2018
- Probe: EX3DV4 - SN7448; ConvF(8.08, 8.08, 8.08) @ 1900 MHz; Calibrated: 3/27/2019
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI V5.0 Slot 6/7; Type: QD OVA 002 Ax; Serial: 1163

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

Maximum value of SAR (measured) = 5.34 W/kg

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

Reference Value = 59.55 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 7.25 W/kg
SAR(1 g) = 4.01 W/kg; SAR(10 g) = 2.1 W/kg
Maximum value of SAR (measured) = 5.41 W/kg



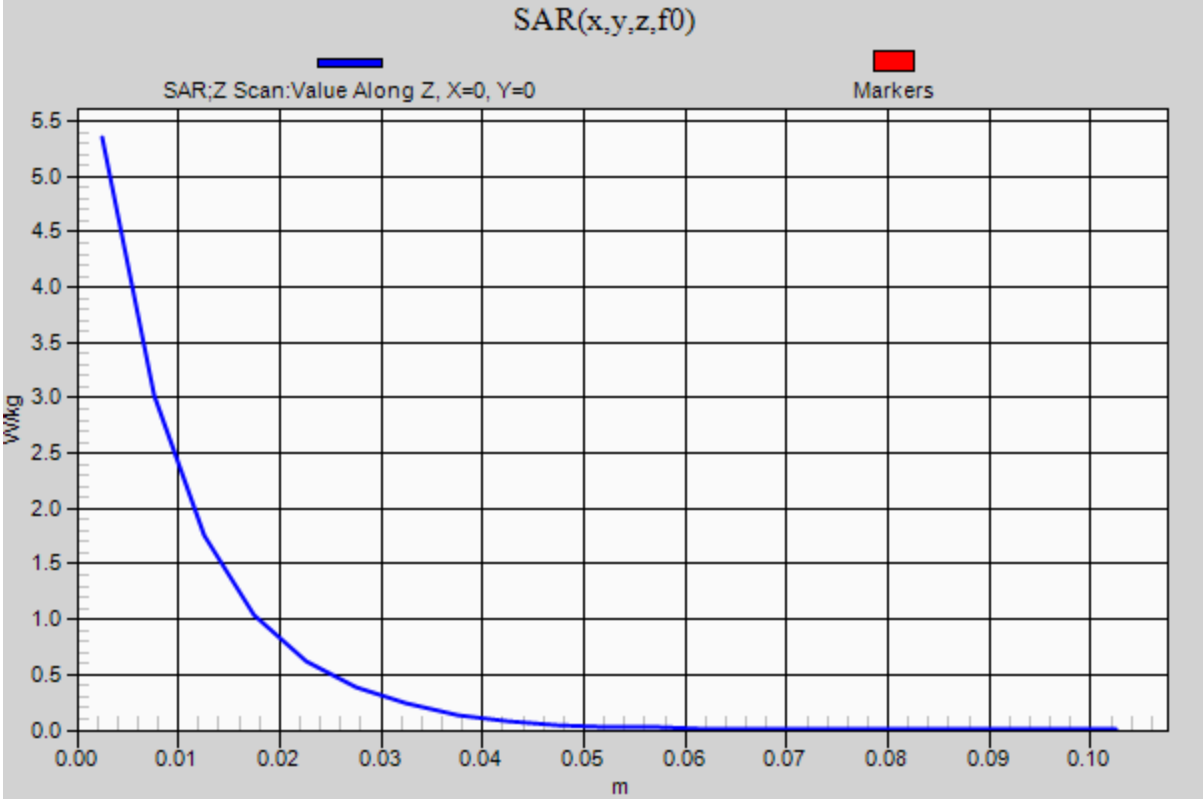
0 dB = 5.41 W/kg = 7.33 dBW/kg

20190703_SystemPerformanceCheck-D1900V2 SN 5d140

Frequency: 1900 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) = 5.35 W/kg



20190705_SystemPerformanceCheck-D5GHzV2 SN 1003

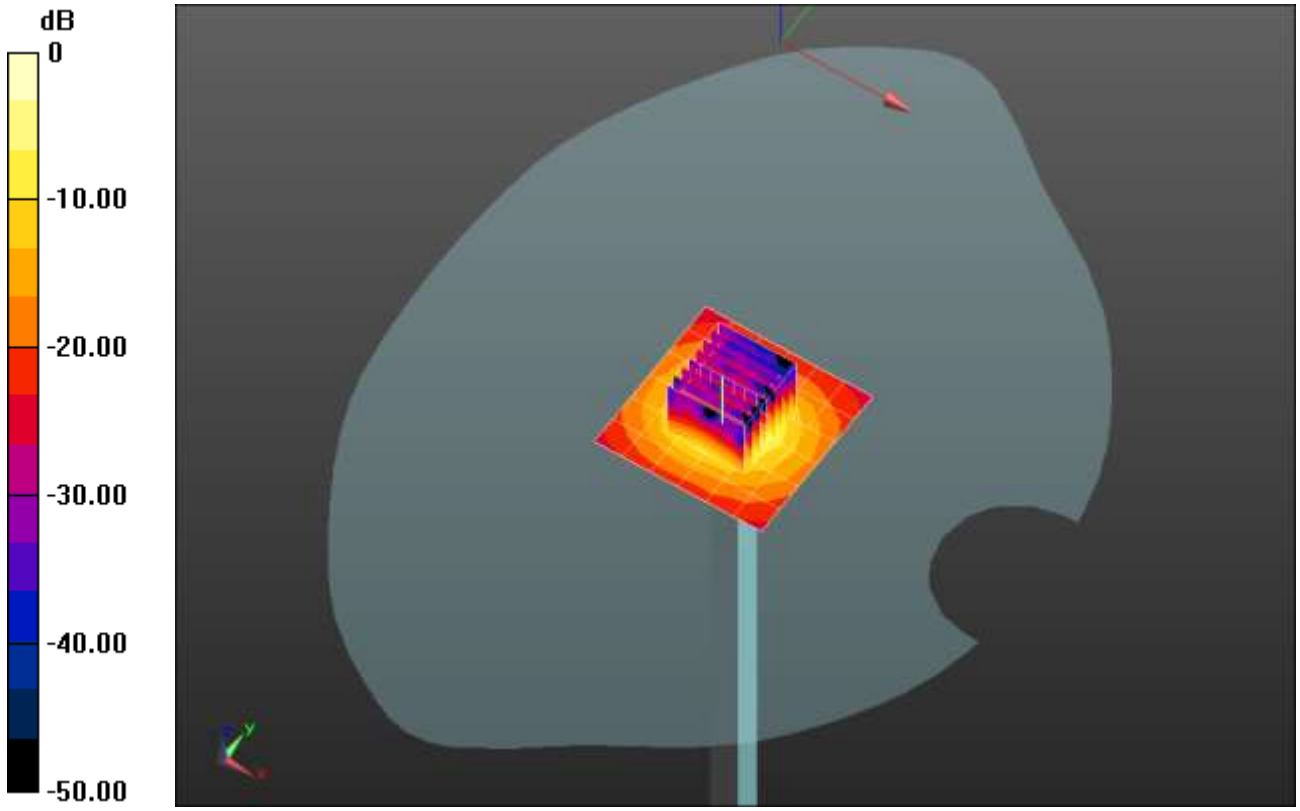
Frequency: 5250 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 5250 MHz; σ = 4.878 S/m; ε_r = 35.681; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1257; Calibrated: 9/14/2018
- Probe: EX3DV4 - SN7448; ConvF(4.99, 4.99, 4.99) @ 5250 MHz; Calibrated: 3/27/2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (20deg probe tilt); Type: QD000P40CD; Serial: 1629

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

Maximum value of SAR (measured) = 18.3 W/kg

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

Reference Value = 54.38 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 29.0 W/kg
SAR(1 g) = 7.34 W/kg; SAR(10 g) = 2.1 W/kg
Maximum value of SAR (measured) = 16.8 W/kg

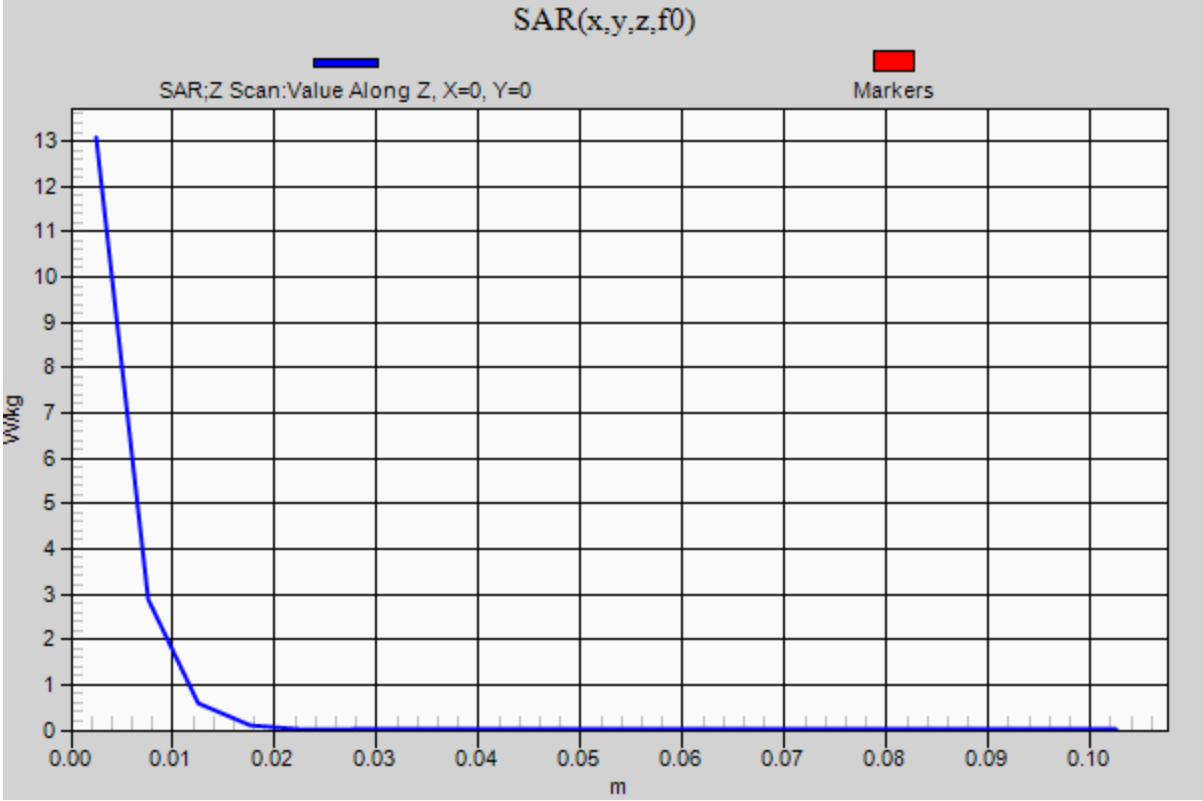


0 dB = 16.8 W/kg = 12.25 dBW/kg

20190705_SystemPerformanceCheck-D5GHzV2 SN 1003

Frequency: 5250 MHz; Duty Cycle: 1:1

Head/5.25 GHz, Pin=100mW/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 13.1 W/kg



20190711_SystemPerformanceCheck-D2450V2 SN 899

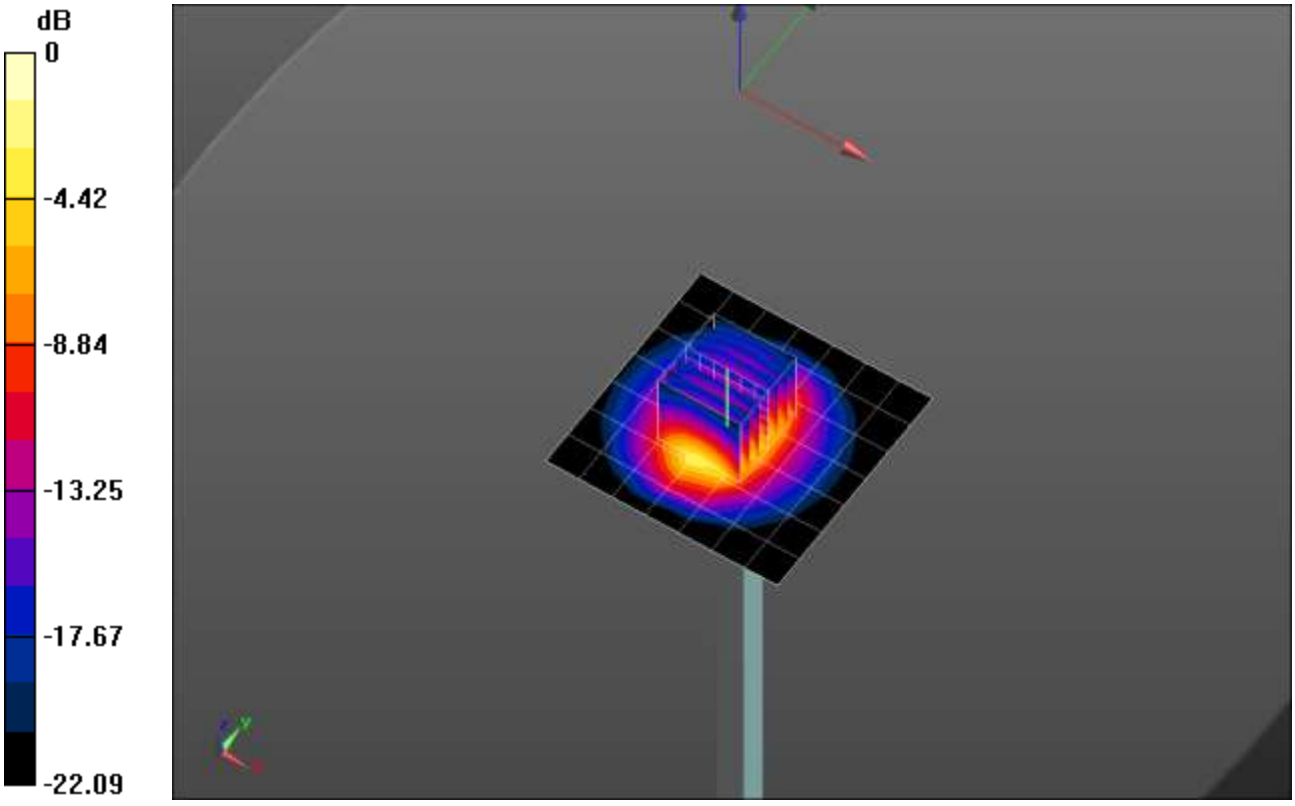
Frequency: 2450 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 2450 MHz; σ = 1.977 S/m; ε_r = 51.165; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1257; Calibrated: 9/14/2018
- Probe: EX3DV4 - SN7448; ConvF(7.58, 7.58, 7.58) @ 2450 MHz; Calibrated: 3/27/2019
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI V5.0 Slot 6/7; Type: QD OVA 002 AA; Serial: 1247

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

Maximum value of SAR (measured) = 6.18 W/kg

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

Reference Value = 57.63 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 10.3 W/kg
SAR(1 g) = 4.95 W/kg; SAR(10 g) = 2.28 W/kg
Maximum value of SAR (measured) = 7.05 W/kg



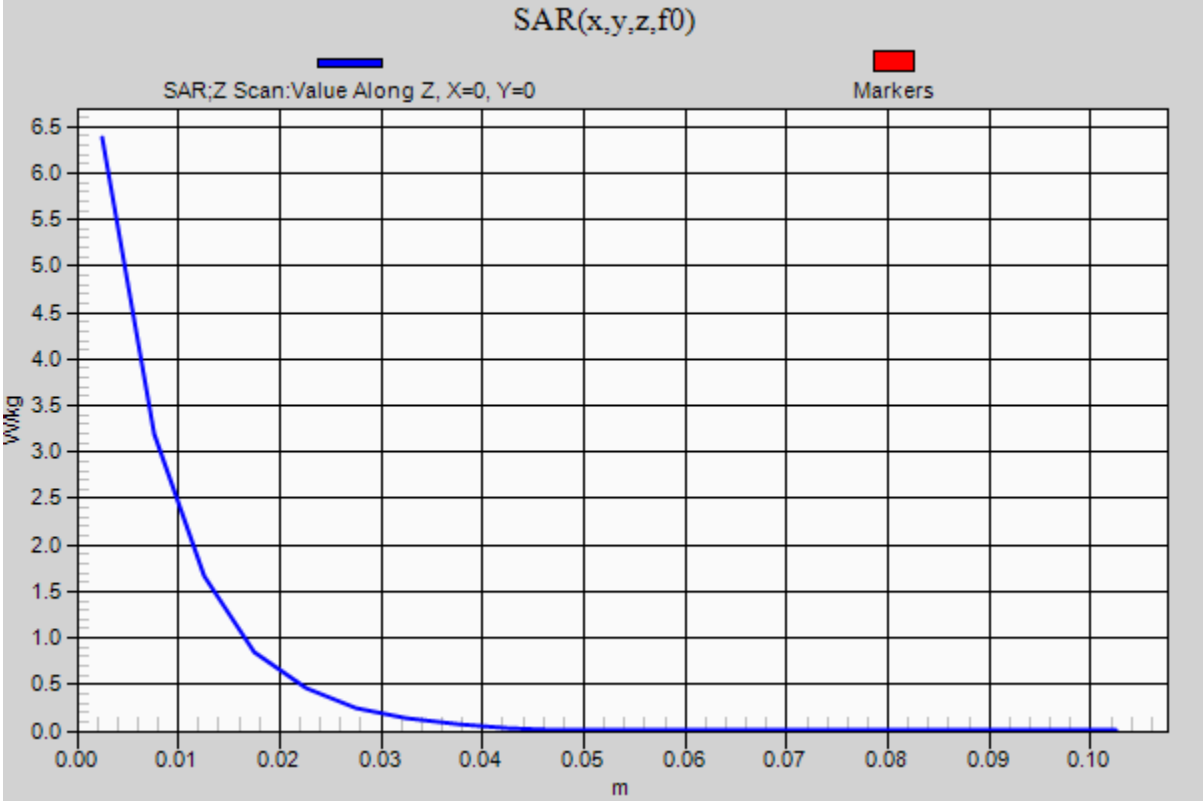
0 dB = 7.05 W/kg = 8.48 dBW/kg

20190711_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) = 6.38 W/kg



20190625_SystemPerformanceCheck-D2450V2 SN 899

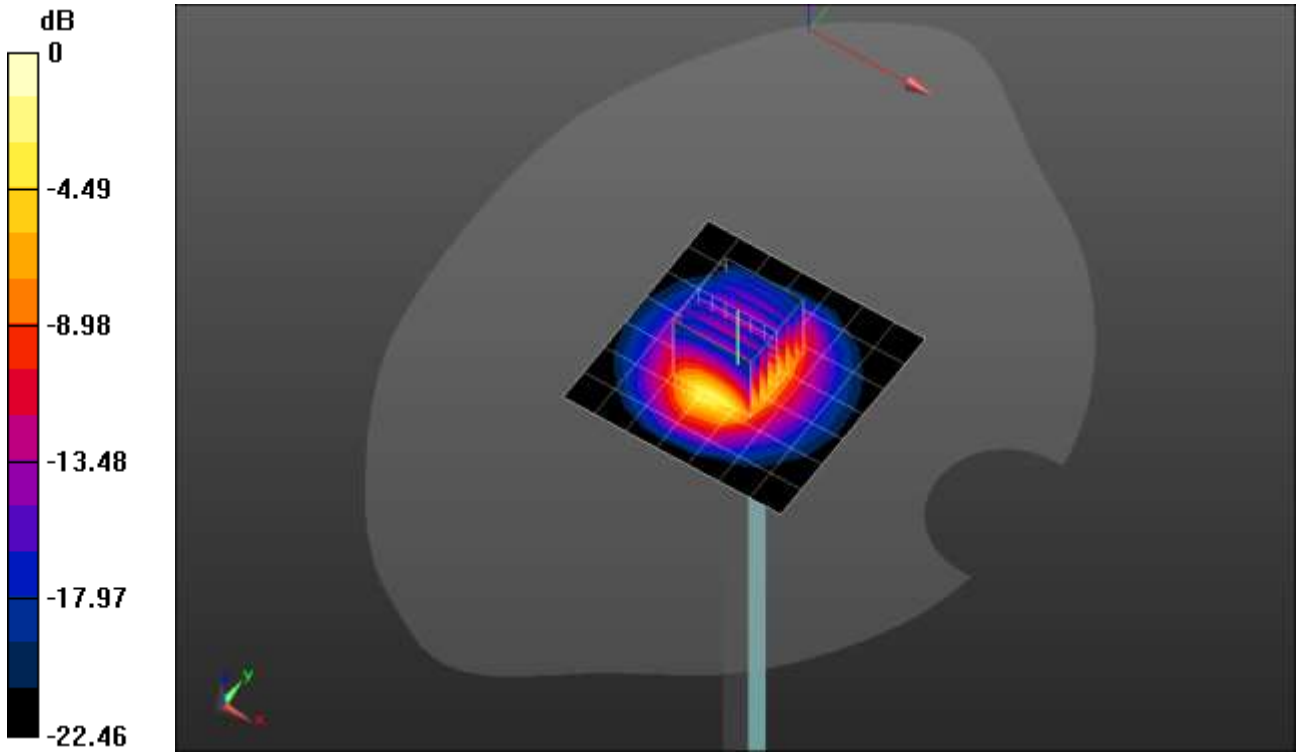
Frequency: 2450 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 2450 MHz; σ = 1.754 S/m; ε_r = 37.314; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1545; Calibrated: 4/12/2019
- Probe: EX3DV4 - SN7498; ConvF(7.84, 7.84, 7.84) @ 2450 MHz; Calibrated: 4/18/2019
- 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) = 6.18 W/kg

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

Reference Value = 65.84 V/m; Power Drift = -0.16 dB
Peak SAR (extrapolated) = 10.4 W/kg
SAR(1 g) = 5 W/kg; SAR(10 g) = 2.32 W/kg
Maximum value of SAR (measured) = 7.11 W/kg



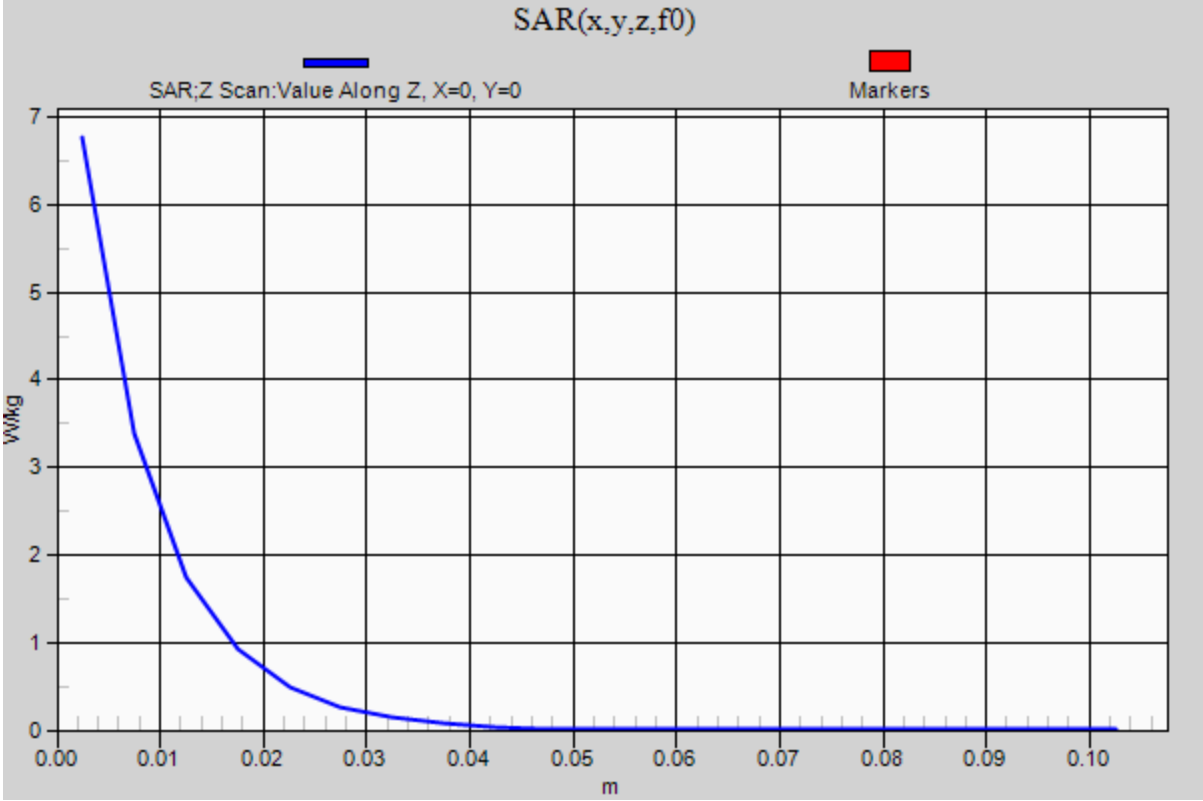
0 dB = 7.11 W/kg = 8.52 dBW/kg

20190625_SystemPerformanceCheck-D2450V2 SN 899

Frequency: 2450 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) = 6.77 W/kg



20190630_SystemPerformanceCheck-D1900V2 SN 5d140

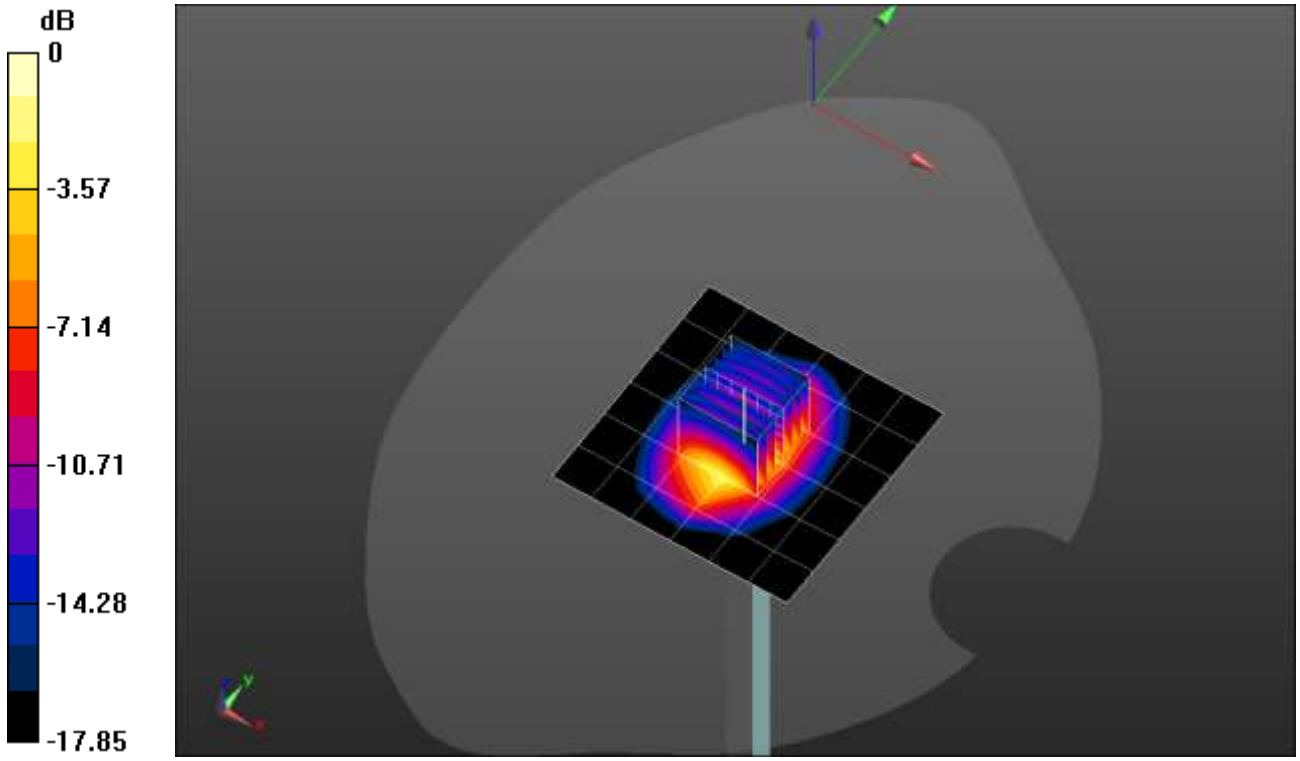
Frequency: 1900 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 1900 MHz; σ = 1.421 S/m; ε_r = 39.123; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1545; Calibrated: 4/12/2019
- Probe: EX3DV4 - SN7498; ConvF(8.48, 8.48, 8.48) @ 1900 MHz; Calibrated: 4/18/2019
- 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) = 5.63 W/kg

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

Reference Value = 64.12 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 7.84 W/kg
SAR(1 g) = 4.17 W/kg; SAR(10 g) = 2.14 W/kg
Maximum value of SAR (measured) = 5.70 W/kg



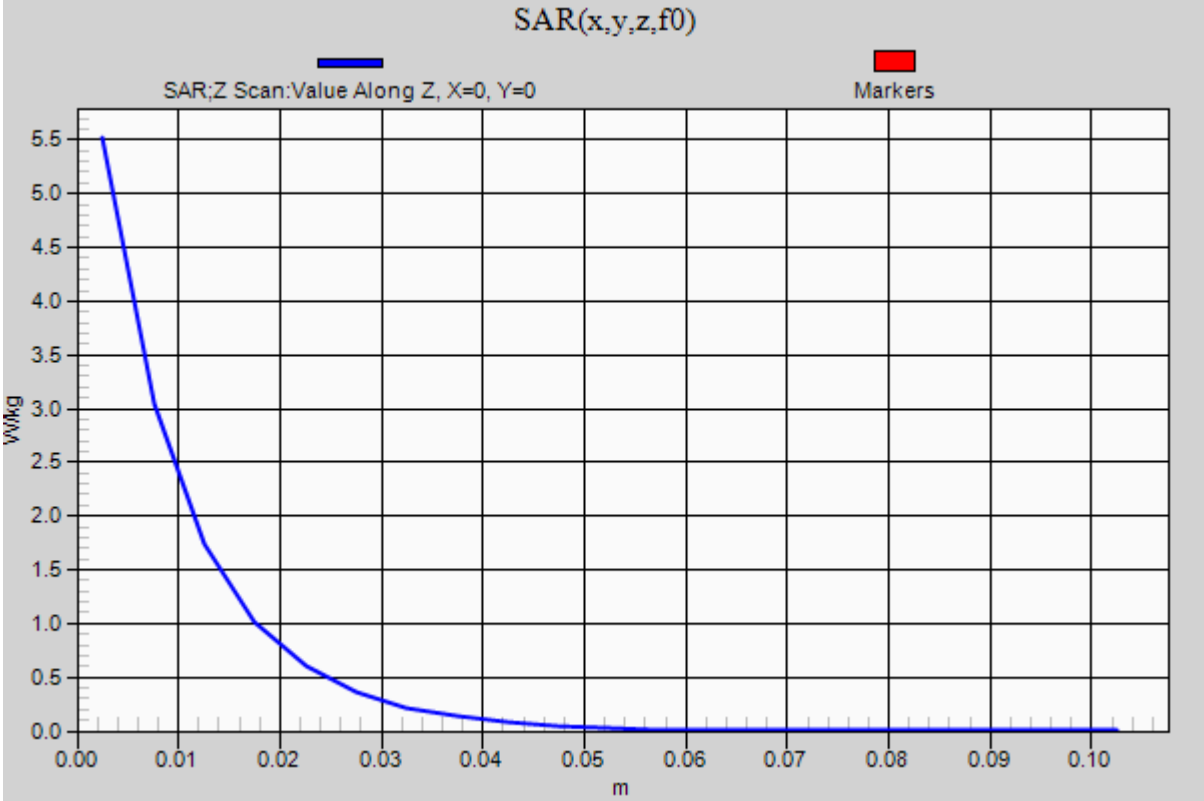
0 dB = 5.70 W/kg = 7.56 dBW/kg

20190630_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) = 5.52 W/kg



20190705_SystemPerformanceCheck-D5GHzV2 SN 1003

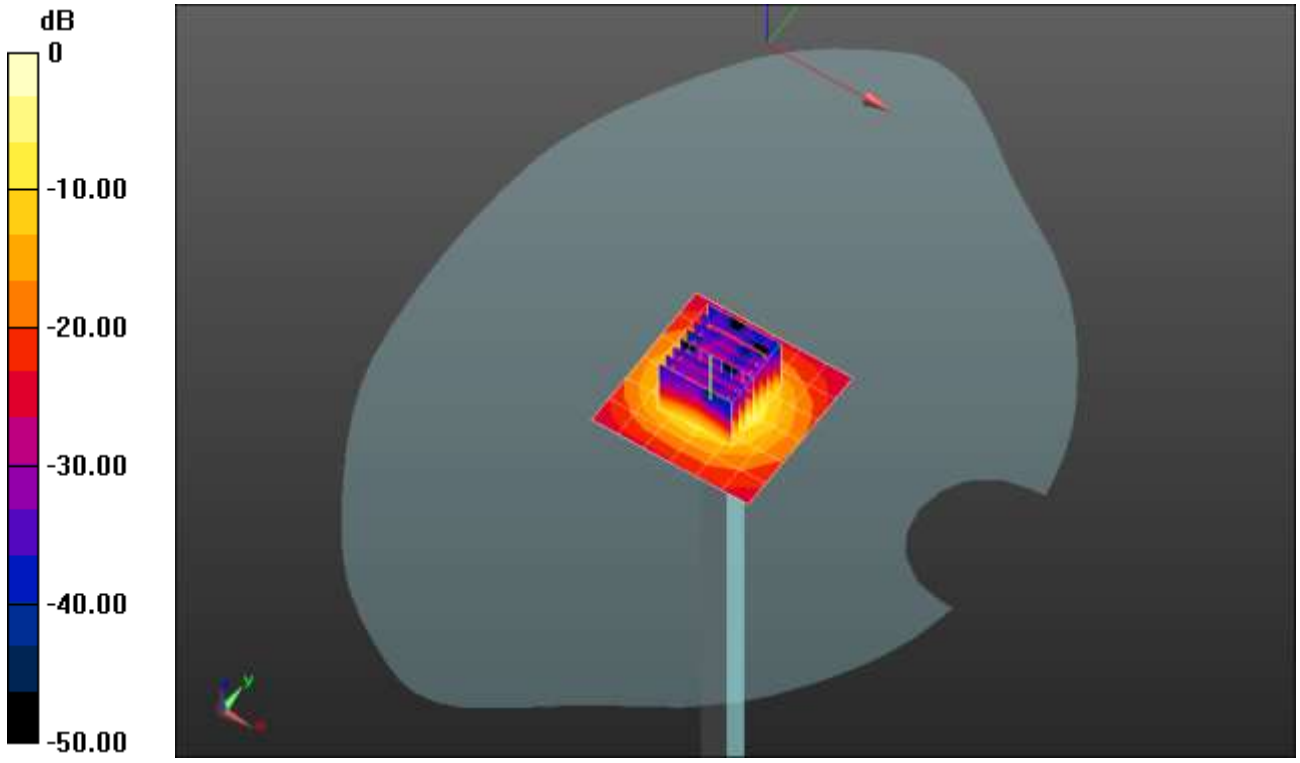
Frequency: 5600 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 5600 MHz; σ = 4.809 S/m; ε_r = 34.535; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1545; Calibrated: 4/12/2019
- Probe: EX3DV4 - SN7498; ConvF(4.67, 4.67, 4.67) @ 5600 MHz; Calibrated: 4/18/2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (20deg probe tilt); Type: QD000P40CD; Serial: 1629

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

Maximum value of SAR (measured) = 22.5 W/kg

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

Reference Value = 60.24 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 39.3 W/kg
SAR(1 g) = 8.87 W/kg; SAR(10 g) = 2.5 W/kg
Maximum value of SAR (measured) = 21.7 W/kg

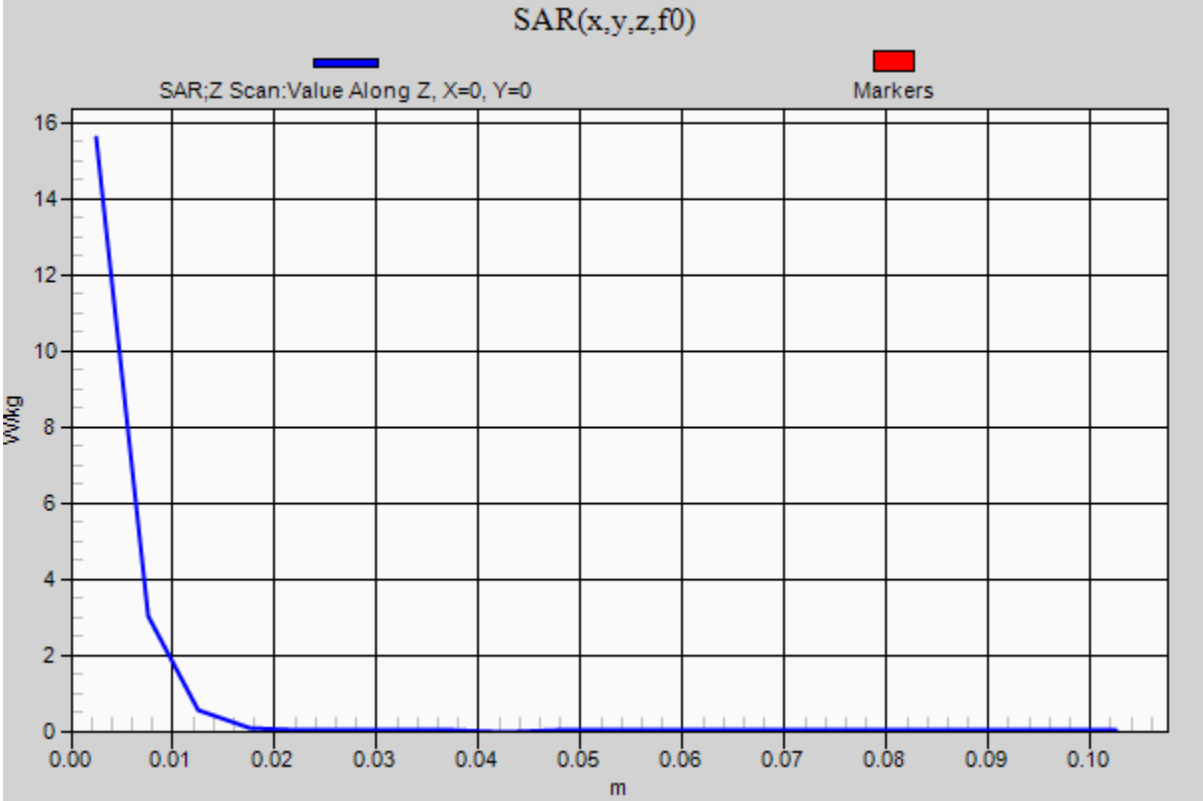


0 dB = 21.7 W/kg = 13.36 dBW/kg

20190705_SystemPerformanceCheck-D5GHzV2 SN 1003

Frequency: 5600 MHz; Duty Cycle: 1:1

Head/5.6 GHz, Pin=100mW/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 15.6 W/kg



20190709_SystemPerformanceCheck-D5GHzV2 SN 1168

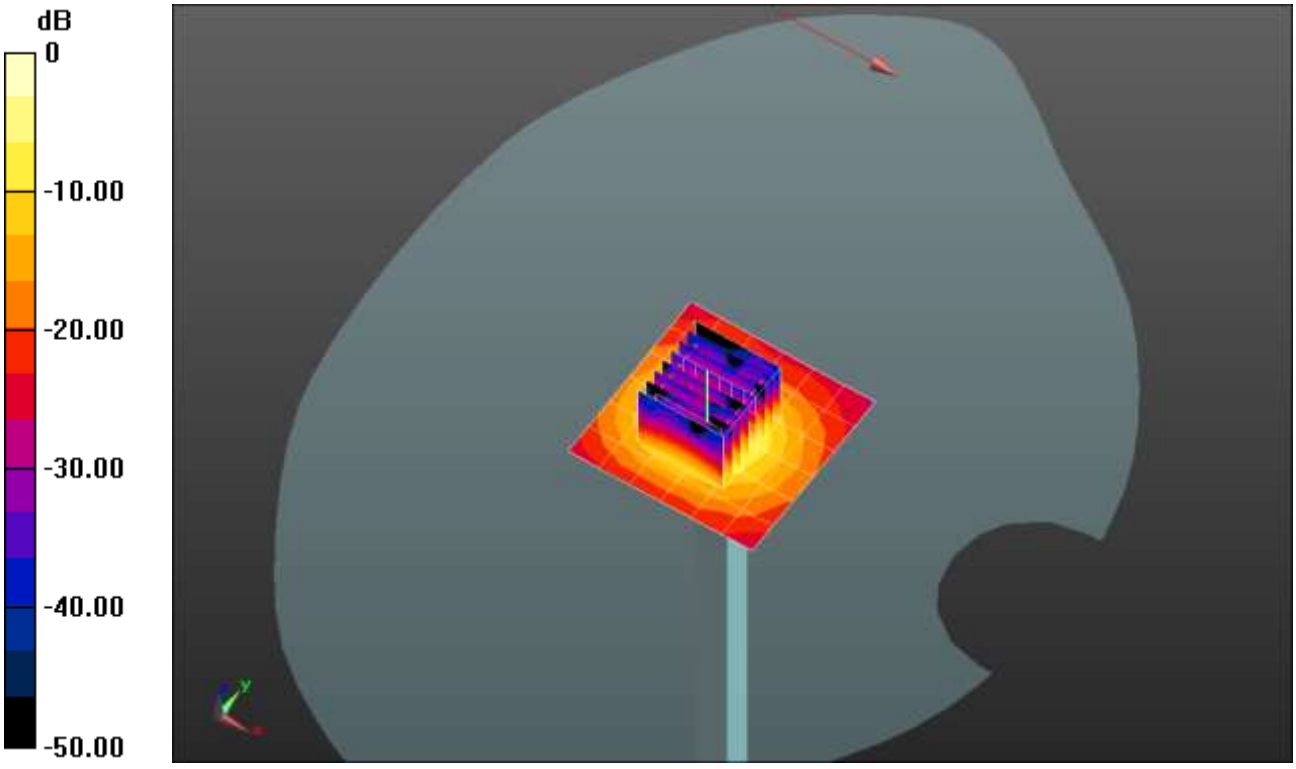
Frequency: 5600 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 5600 MHz; σ = 5.06 S/m; ε_r = 36.584; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1545; Calibrated: 4/12/2019
- Probe: EX3DV4 - SN7498; ConvF(4.67, 4.67, 4.67) @ 5600 MHz; Calibrated: 4/18/2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (20deg probe tilt); Type: QD000P40CD; Serial: 1629

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

Maximum value of SAR (measured) = 18.4 W/kg

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

Reference Value = 52.68 V/m; Power Drift = 0.16 dB
Peak SAR (extrapolated) = 35.5 W/kg
SAR(1 g) = 8.16 W/kg; SAR(10 g) = 2.3 W/kg
Maximum value of SAR (measured) = 19.5 W/kg

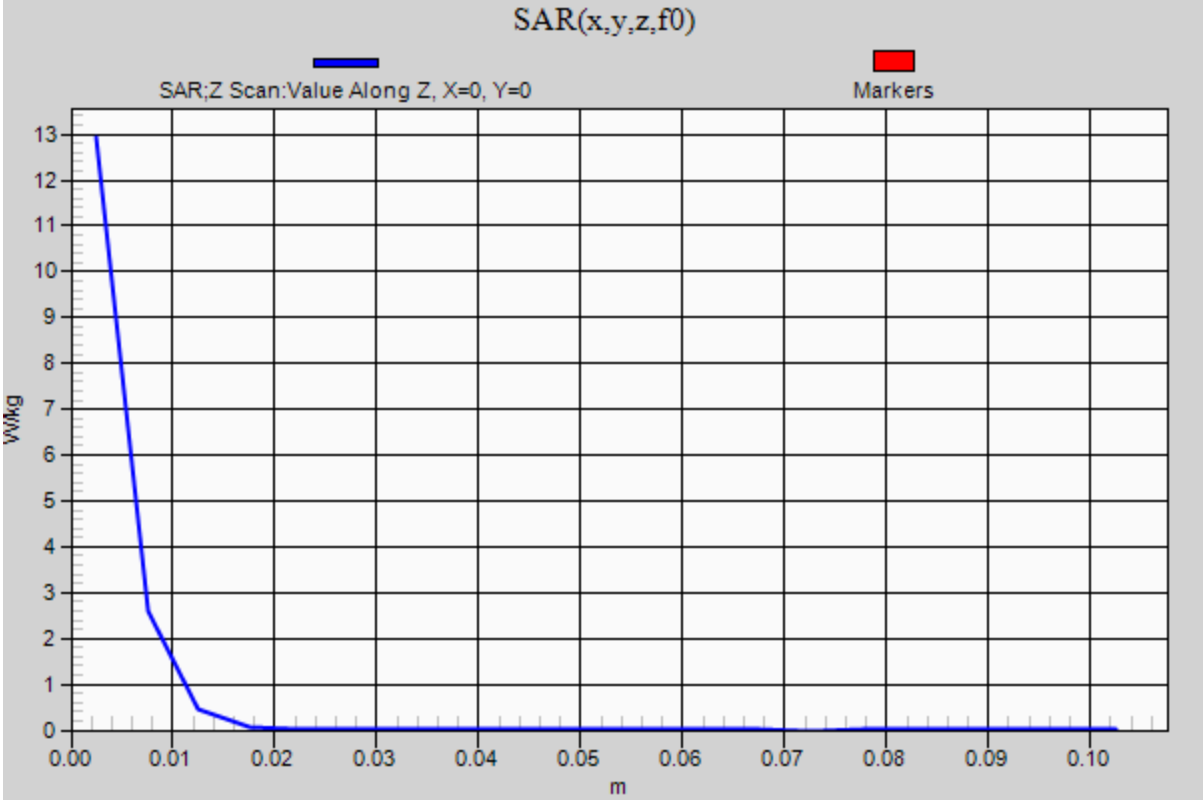


0 dB = 19.5 W/kg = 12.90 dBW/kg

20190709_SystemPerformanceCheck-D5GHzV2 SN 1168

Frequency: 5600 MHz; Duty Cycle: 1:1

Head/5.6 GHz, Pin=100mW/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 12.9 W/kg



20190706_SystemPerformanceCheck-D3700V2 SN 1039

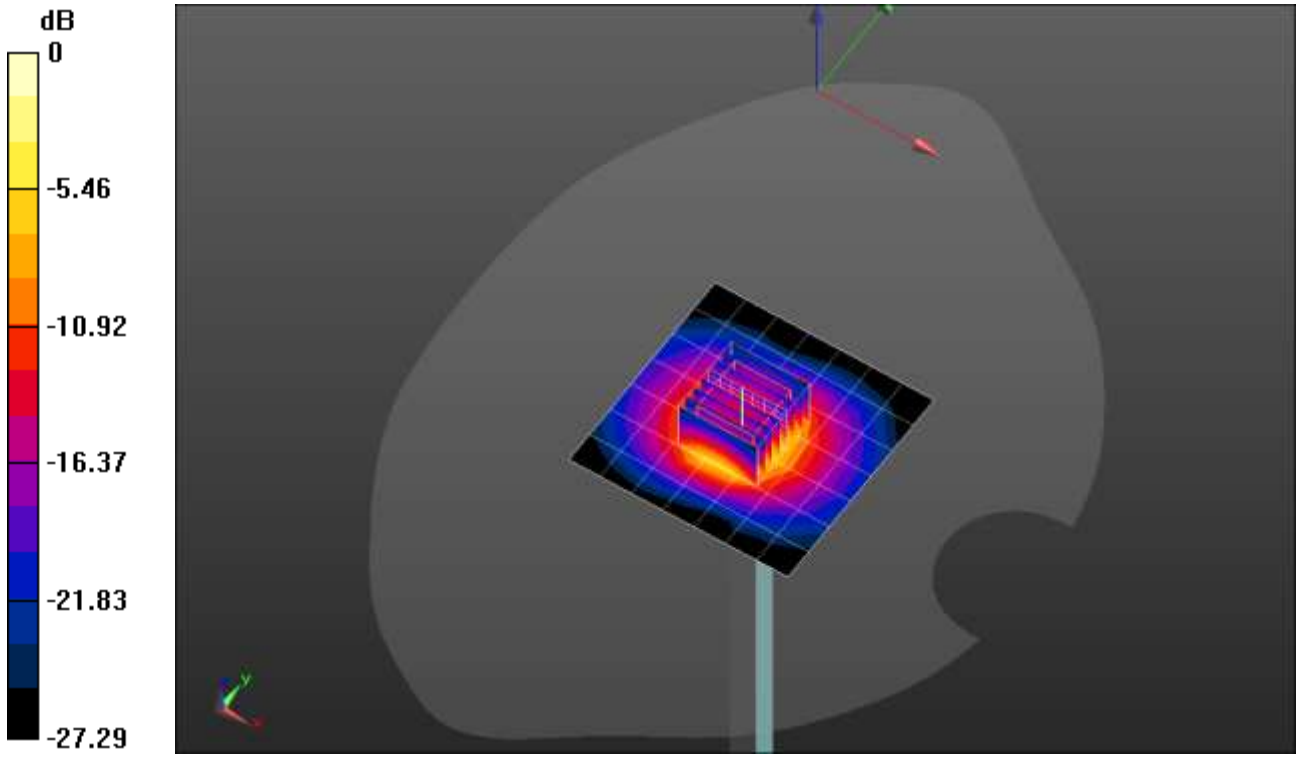
Frequency: 3700 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 3700 MHz; σ = 2.981 S/m; ε_r = 38.828; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1433; Calibrated: 3/20/2019
- Probe: EX3DV4 - SN3990; ConvF(7.26, 7.26, 7.26) @ 3700 MHz; Calibrated: 8/17/2018
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CD; Serial: 1831

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

Maximum value of SAR (measured) = 7.46 W/kg

Head/Pin=100 mW/Zoom Scan (8x8x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 58.13 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 17.0 W/kg
SAR(1 g) = 6.07 W/kg; SAR(10 g) = 2.24 W/kg
Maximum value of SAR (measured) = 9.09 W/kg



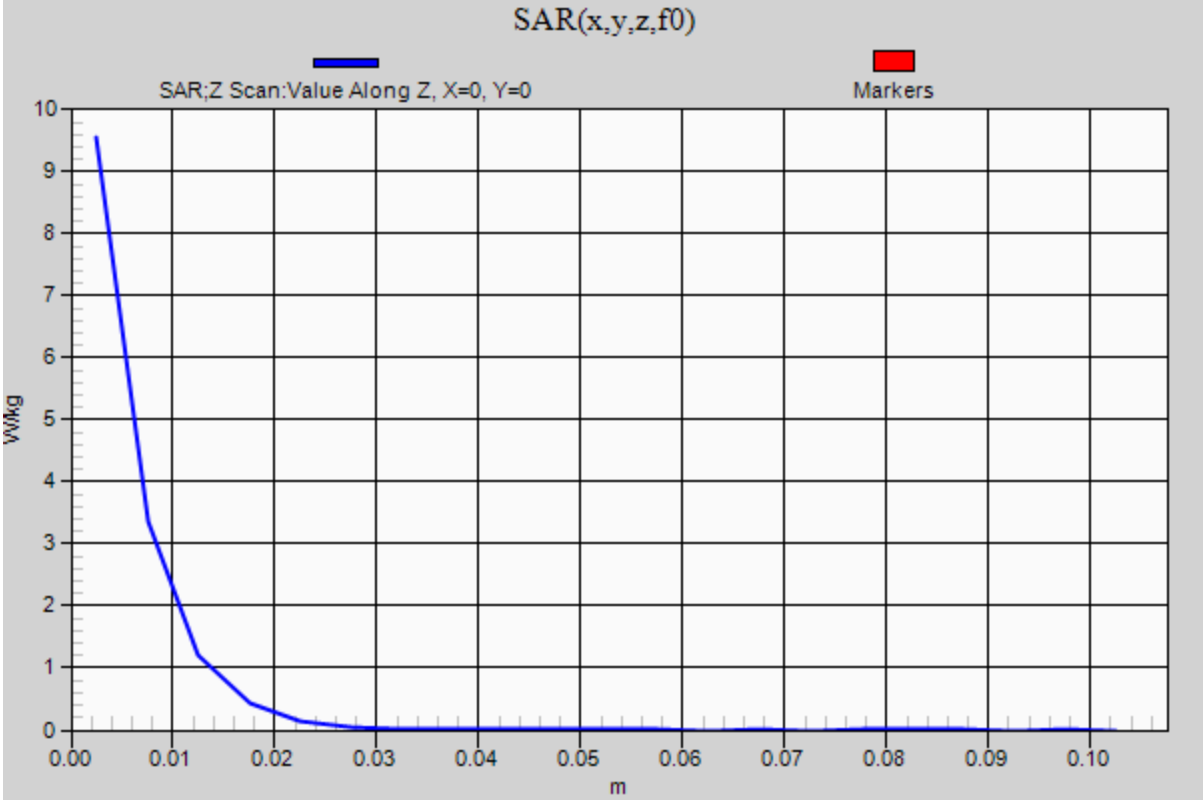
0 dB = 9.09 W/kg = 9.59 dBW/kg

20190706_SystemPerformanceCheck-D3700V2 SN 1039

Frequency: 3700 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) = 9.55 W/kg



20190710_SystemPerformanceCheck-D3500V2 SN 1011

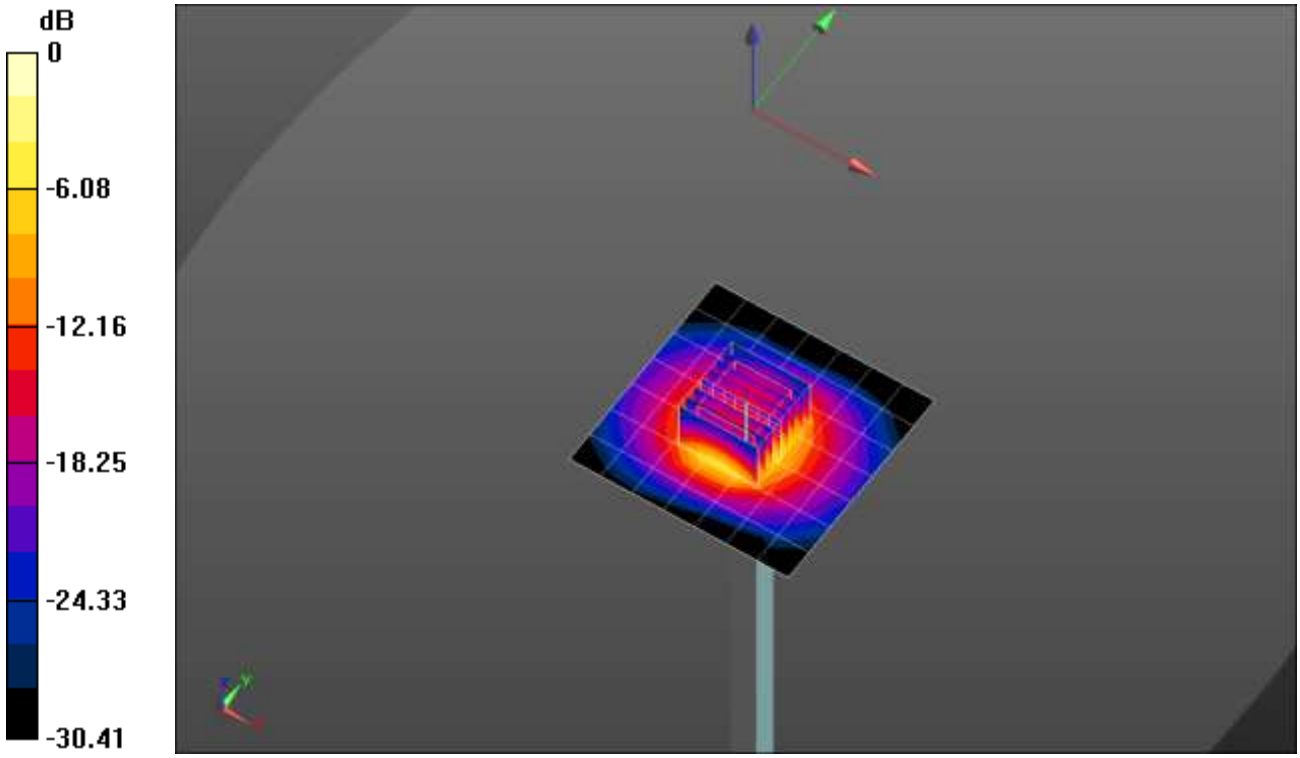
Frequency: 3500 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 3500 MHz; σ = 3.414 S/m; ε_r = 52.316; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1433; Calibrated: 3/20/2019
- Probe: EX3DV4 - SN3990; ConvF(7.2, 7.2, 7.2) @ 3500 MHz; Calibrated: 8/17/2018
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI V8.0 Front; Type: QD OVA 004 AA; Serial: 2086

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

Maximum value of SAR (measured) = 6.76 W/kg

Body/Pin=100 mW/Zoom Scan (8x8x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 52.73 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 17.4 W/kg
SAR(1 g) = 6.09 W/kg; SAR(10 g) = 2.21 W/kg
Maximum value of SAR (measured) = 9.27 W/kg



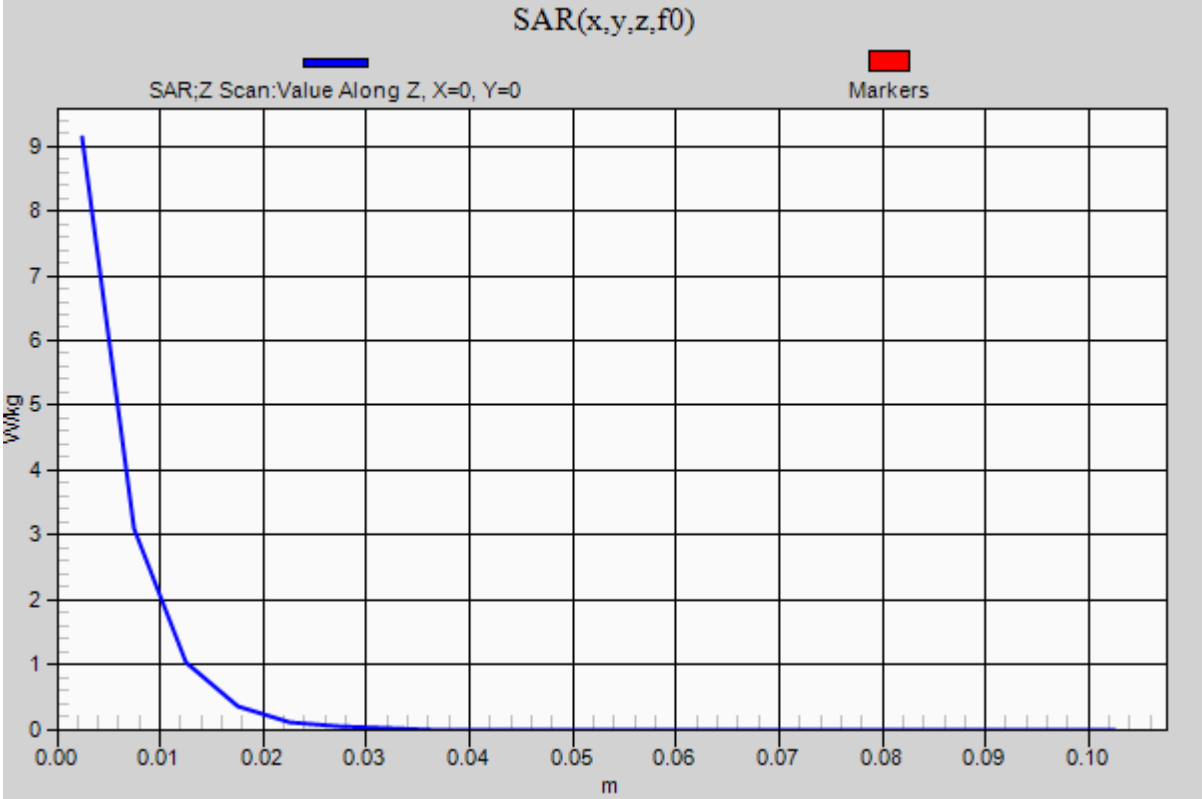
0 dB = 9.27 W/kg = 9.67 dBW/kg

20190710_SystemPerformanceCheck-D3500V2 SN 1011

Frequency: 3500 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) = 9.14 W/kg



20190618_SystemPerformanceCheck-D835V2 SN 4d002

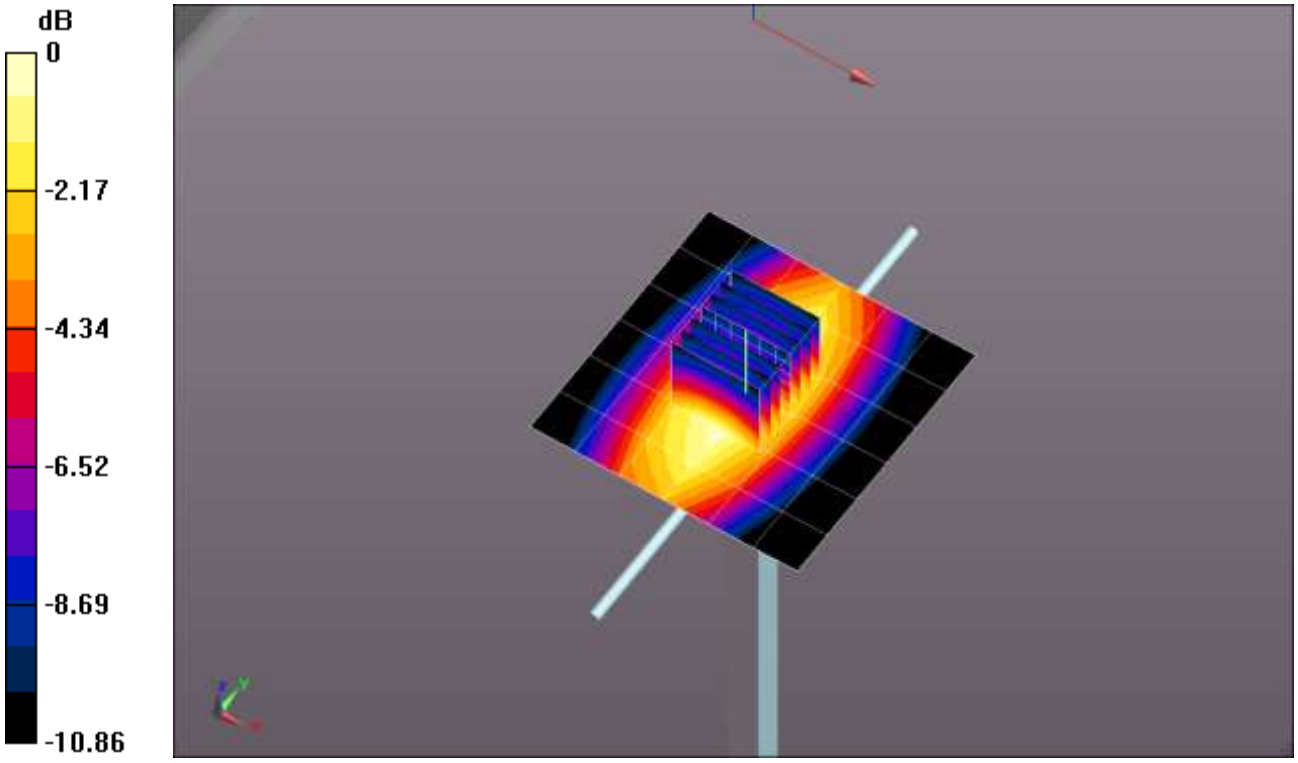
Frequency: 835 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 835 MHz; σ = 1.048 S/m; ε_r = 54.213; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Probe: EX3DV4 - SN3772; ConvF(8.9, 8.9, 8.9) @ 835 MHz; Calibrated: 2/20/2019
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1120

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

Maximum value of SAR (measured) = 1.40 W/kg

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

Reference Value = 35.84 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 1.66 W/kg
SAR(1 g) = 1.1 W/kg; SAR(10 g) = 0.715 W/kg
Maximum value of SAR (measured) = 1.35 W/kg



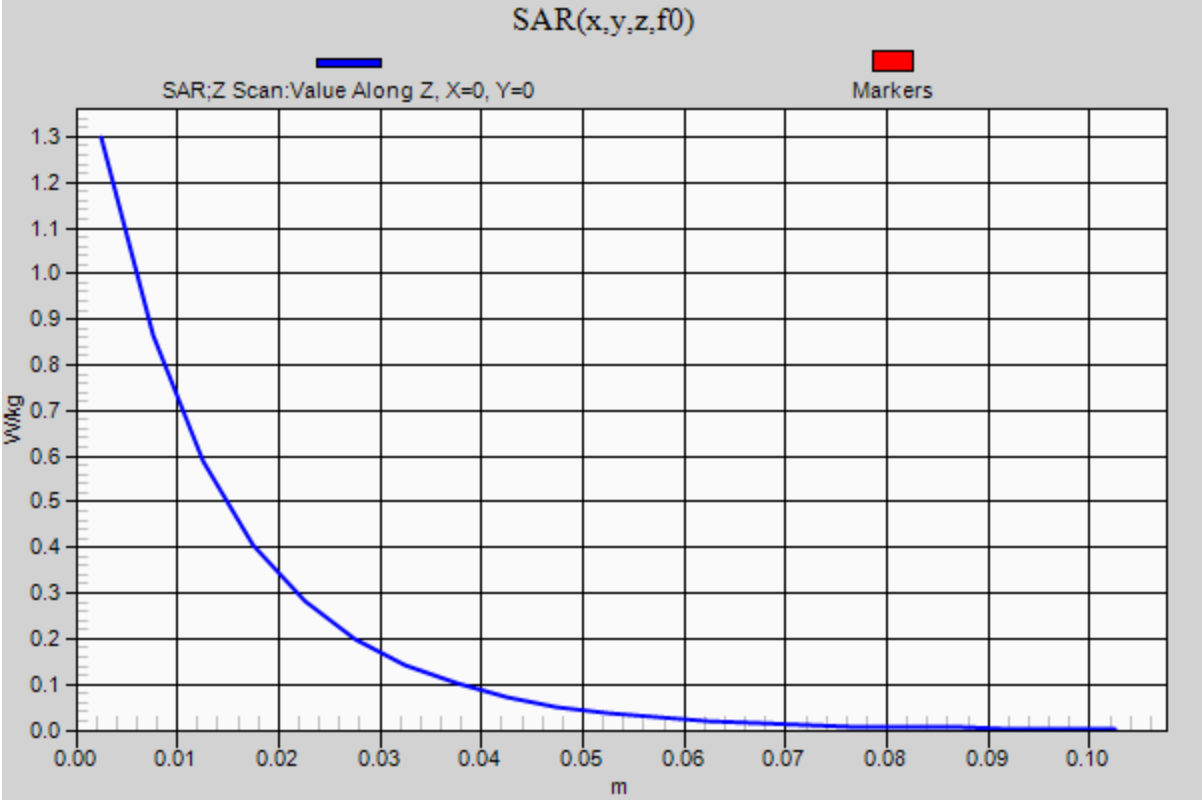
0 dB = 1.35 W/kg = 1.30 dBW/kg

20190618_SystemPerformanceCheck-D835V2 SN 4d002

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) = 1.30 W/kg



20190627_SystemPerformanceCheck-D2600V2 SN 1006

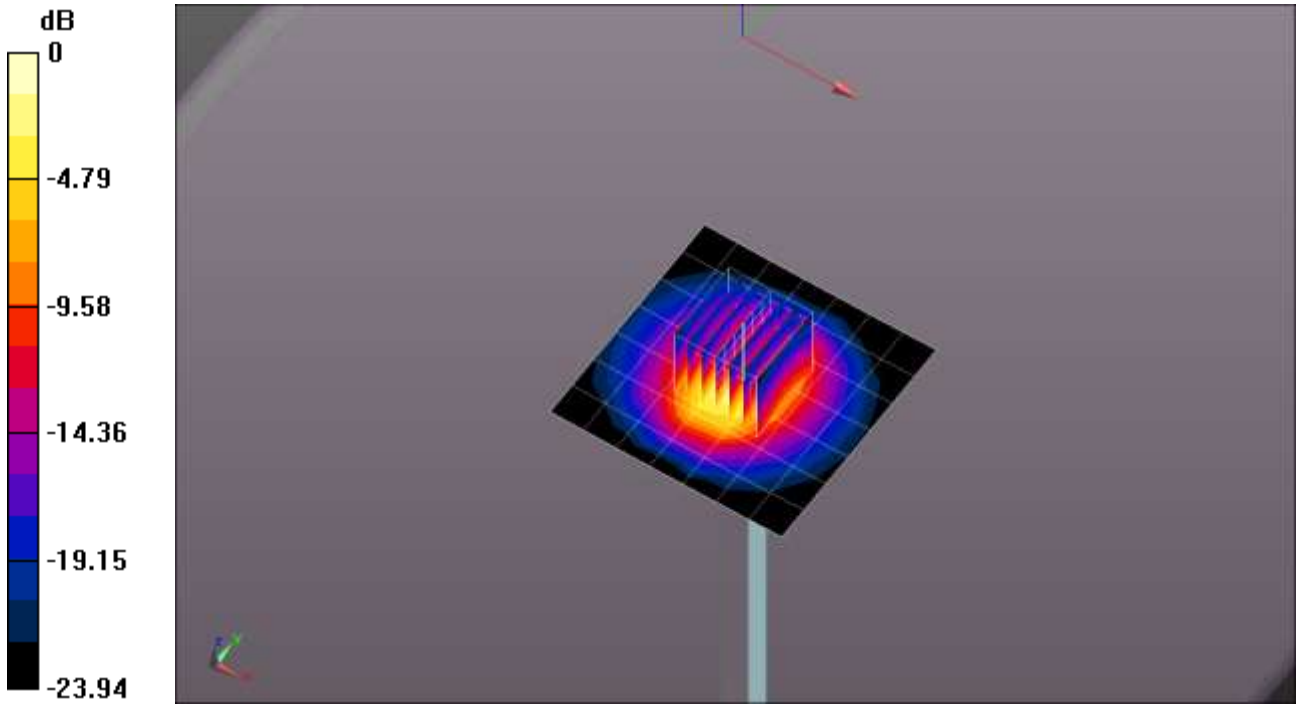
Frequency: 2600 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 2600 MHz; σ = 2.08 S/m; ε_r = 52.912; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Probe: EX3DV4 - SN3772; ConvF(6.74, 6.74, 6.74) @ 2600 MHz; Calibrated: 2/20/2019
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1120

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

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

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

Reference Value = 24.88 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 12.0 W/kg
SAR(1 g) = 5.49 W/kg; SAR(10 g) = 2.4 W/kg
Maximum value of SAR (measured) = 8.04 W/kg



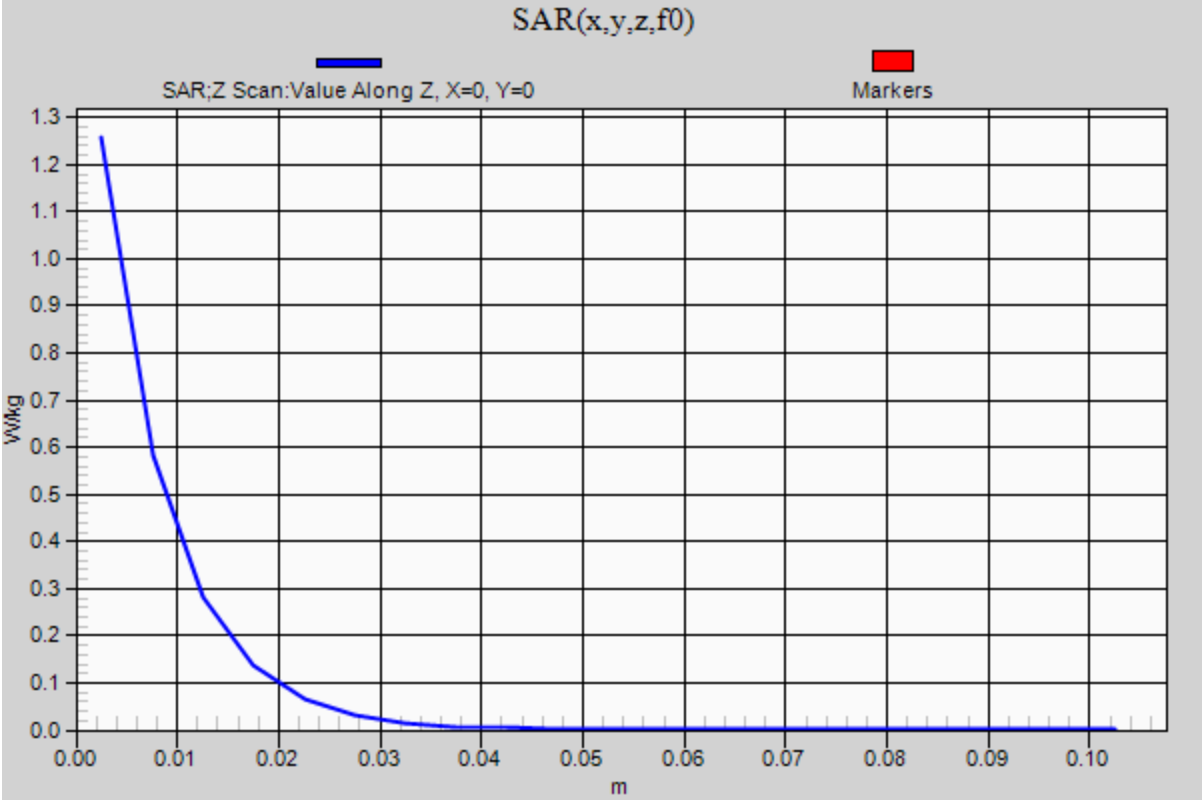
0 dB = 8.04 W/kg = 9.05 dBW/kg

20190627_SystemPerformanceCheck-D2600V2 SN 1006

Frequency: 2600 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) = 1.26 W/kg



20190723_SystemPerformanceCheck-D835V2 SN 4d117

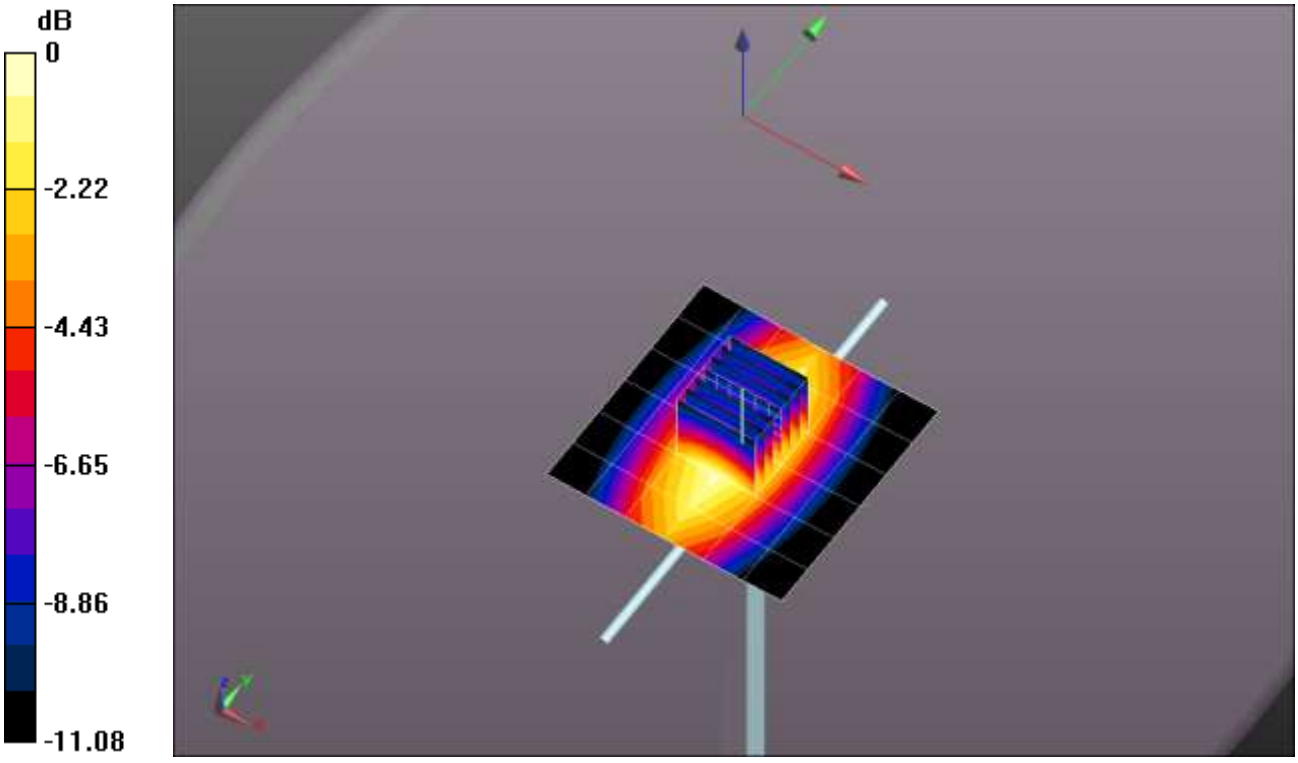
Frequency: 835 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 835 MHz; σ = 1.009 S/m; ε_r = 55.394; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Probe: EX3DV4 - SN3772; ConvF(8.9, 8.9, 8.9); Calibrated: 2/20/2019;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 (A); Type: QDOVA001BB; Serial: 1120

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

Maximum value of SAR (measured) = 1.23 W/kg

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

Reference Value = 35.46 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 1.52 W/kg
SAR(1 g) = 1 W/kg; SAR(10 g) = 0.644 W/kg



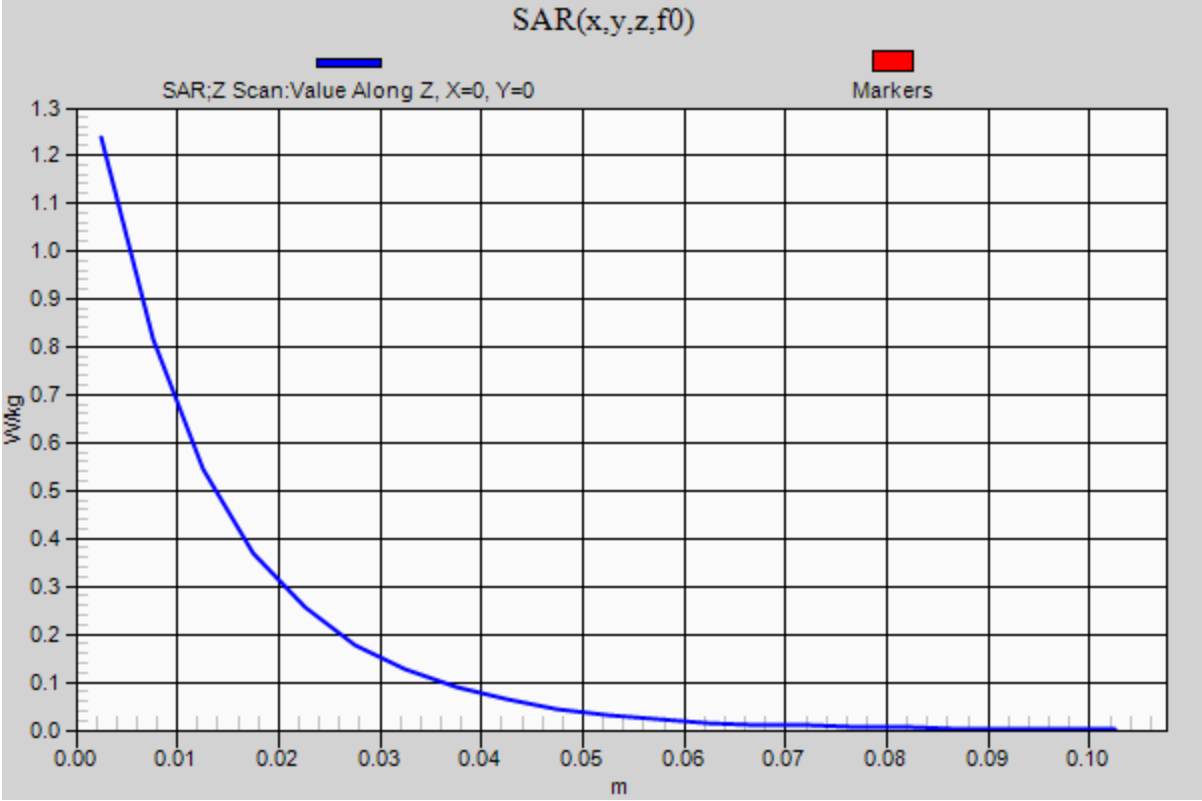
0 dB = 1.23 W/kg = 0.90 dBW/kg

20190723_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) = 1.24 W/kg



20190616_SystemPerformanceCheck-D835V2 SN 4d117

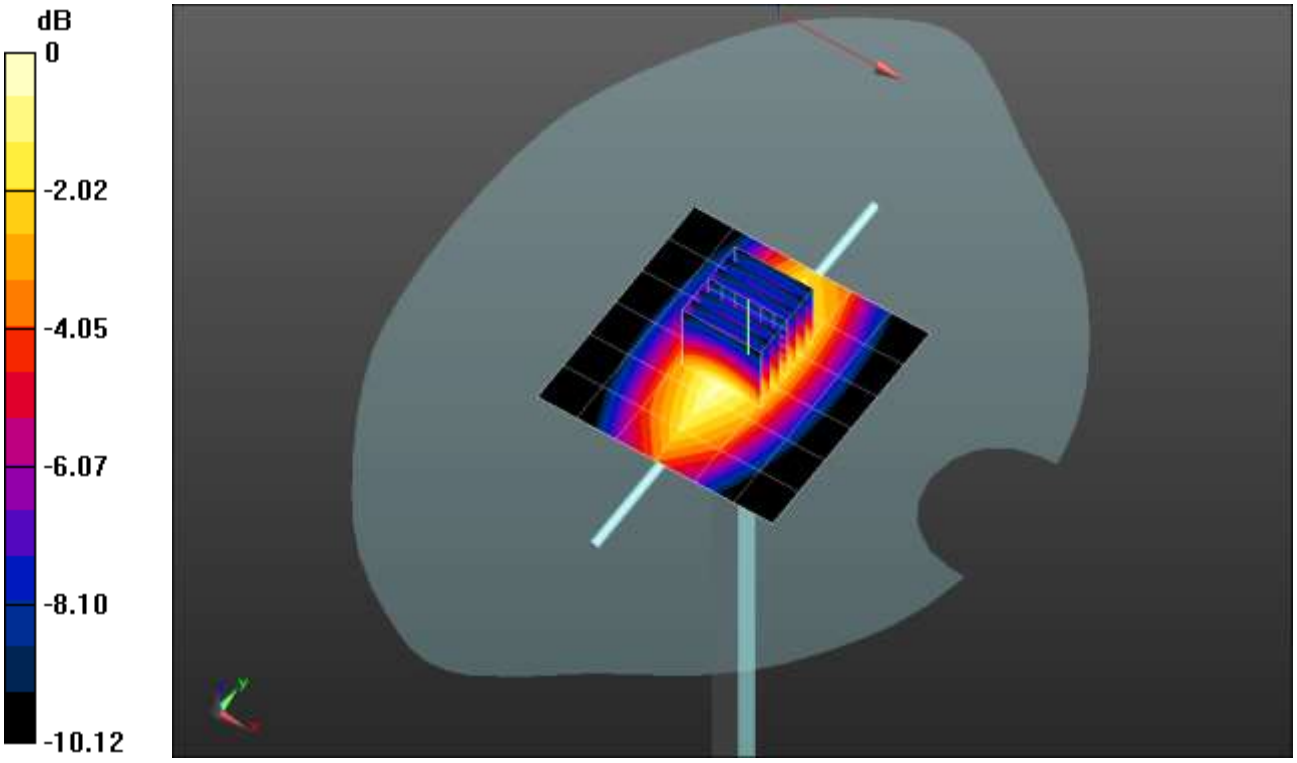
Frequency: 835 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 835 MHz; σ = 0.935 S/m; ε_r = 41.564; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1259; Calibrated: 7/26/2018
- Probe: EX3DV4 - SN7463; ConvF(9.27, 9.27, 9.27) @ 835 MHz; Calibrated: 7/20/2018
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM with CRP; Type: SAM;

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

Maximum value of SAR (measured) = 1.10 W/kg

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

Reference Value = 34.65 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 1.36 W/kg
SAR(1 g) = 0.924 W/kg; SAR(10 g) = 0.611 W/kg
Maximum value of SAR (measured) = 1.12 W/kg



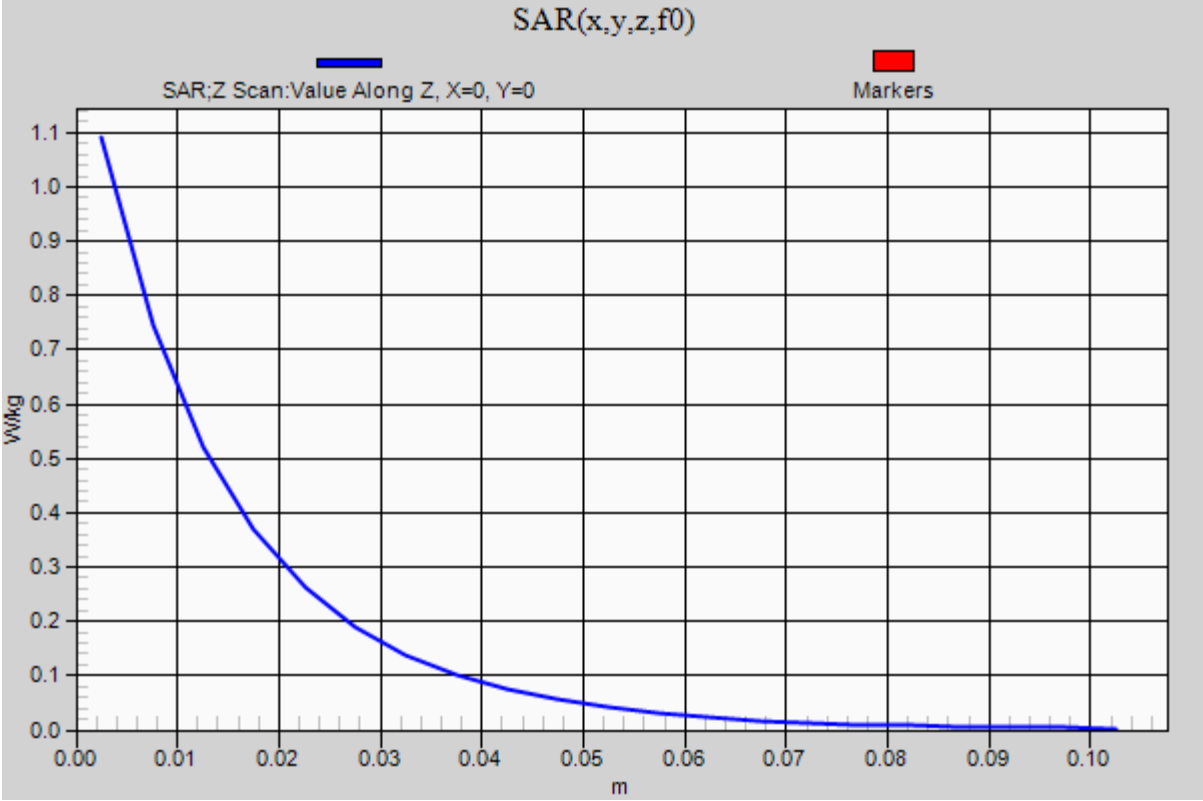
0 dB = 1.12 W/kg = 0.49 dBW/kg

20190616_SystemPerformanceCheck-D835V2 SN 4d117

Frequency: 835 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) = 1.09 W/kg



20190624_SystemPerformanceCheck-D3500V2 SN 1011

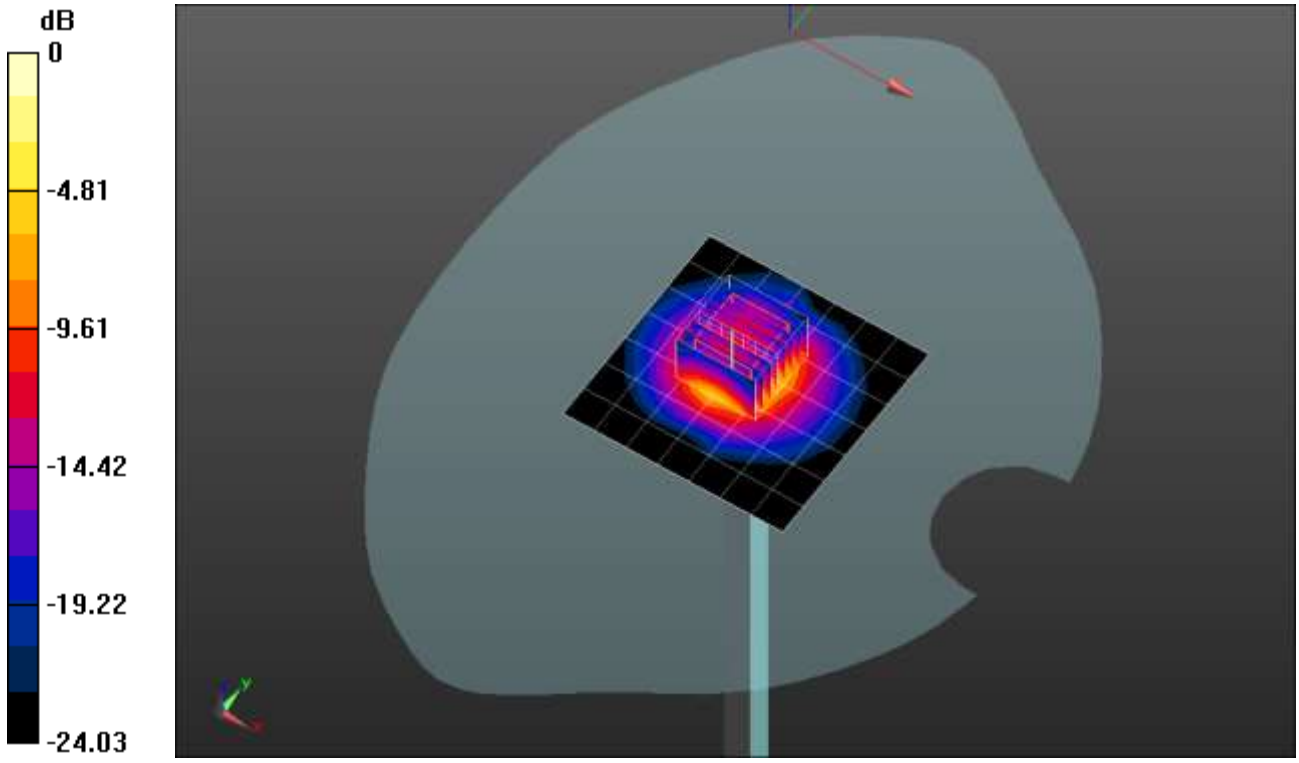
Frequency: 3500 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 3500 MHz; σ = 2.896 S/m; ε_r = 37.971; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1259; Calibrated: 7/26/2018
- Probe: EX3DV4 - SN7463; ConvF(6.85, 6.85, 6.85) @ 3500 MHz; Calibrated: 7/20/2018
- Sensor-Surface: 2.5mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM with CRP; Type: SAM;

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

Maximum value of SAR (measured) = 8.51 W/kg

Head/Pin=100 mW/Zoom Scan (8x8x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 50.93 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 16.9 W/kg
SAR(1 g) = 6.82 W/kg; SAR(10 g) = 2.65 W/kg
Maximum value of SAR (measured) = 9.95 W/kg



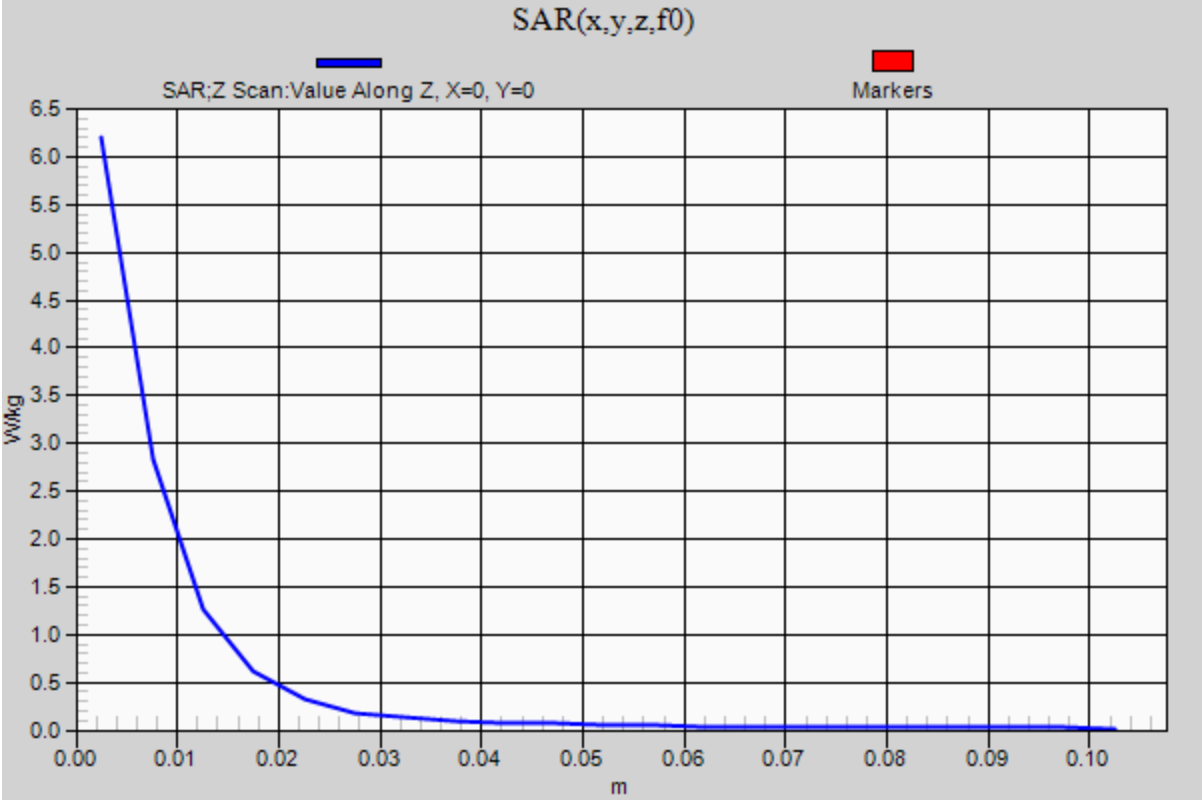
0 dB = 9.95 W/kg = 9.98 dBW/kg

20190624_SystemPerformanceCheck-D3500V2 SN 1011

Frequency: 3500 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) = 6.20 W/kg



20190624_SystemPerformanceCheck-D3700V2 SN 1039

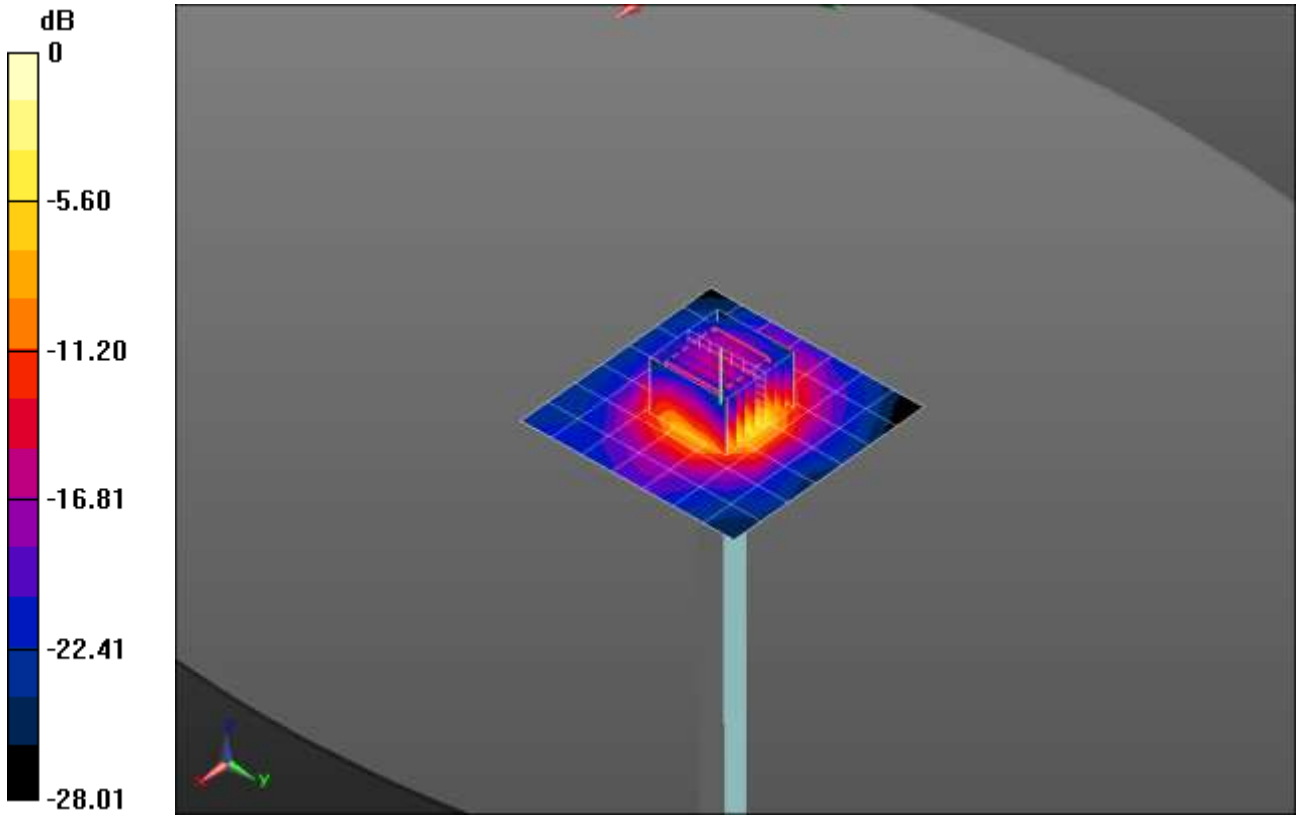
Frequency: 3700 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 3700 MHz; σ = 3.425 S/m; ε_r = 52.065; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1259; Calibrated: 7/26/2018
- Probe: EX3DV4 - SN7463; ConvF(6.2, 6.2, 6.2) @ 3700 MHz; Calibrated: 7/20/2018
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 A; Type: SM 000 T01 DA; Serial: TP:1247

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

Maximum value of SAR (measured) = 6.32 W/kg

Body/Pin=100 mW/Zoom Scan (8x8x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 52.22 V/m; Power Drift = 0.16 dB
Peak SAR (extrapolated) = 16.0 W/kg
SAR(1 g) = 5.85 W/kg; SAR(10 g) = 2.17 W/kg
Maximum value of SAR (measured) = 8.71 W/kg



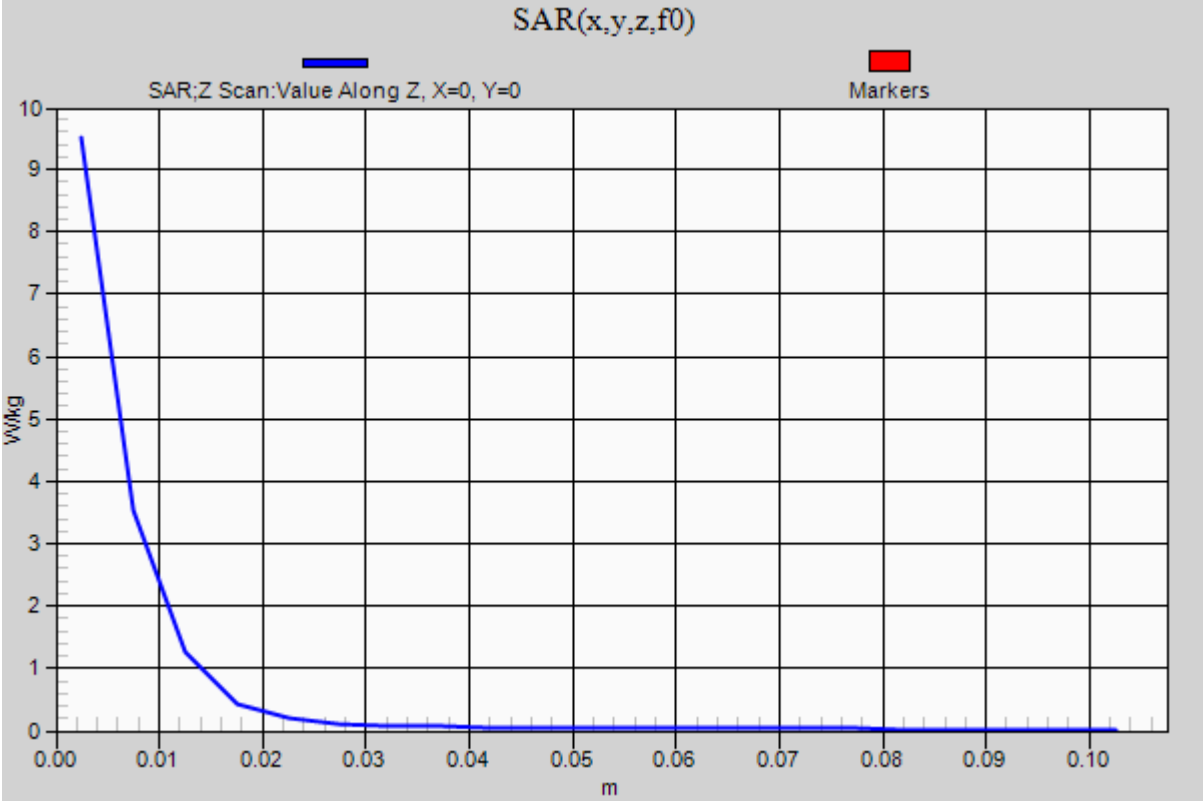
0 dB = 8.71 W/kg = 9.40 dBW/kg

20190624_SystemPerformanceCheck-D3700V2 SN 1039

Frequency: 3700 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) = 9.51 W/kg



20190628_SystemPerformanceCheck-D750V3 SN 1071

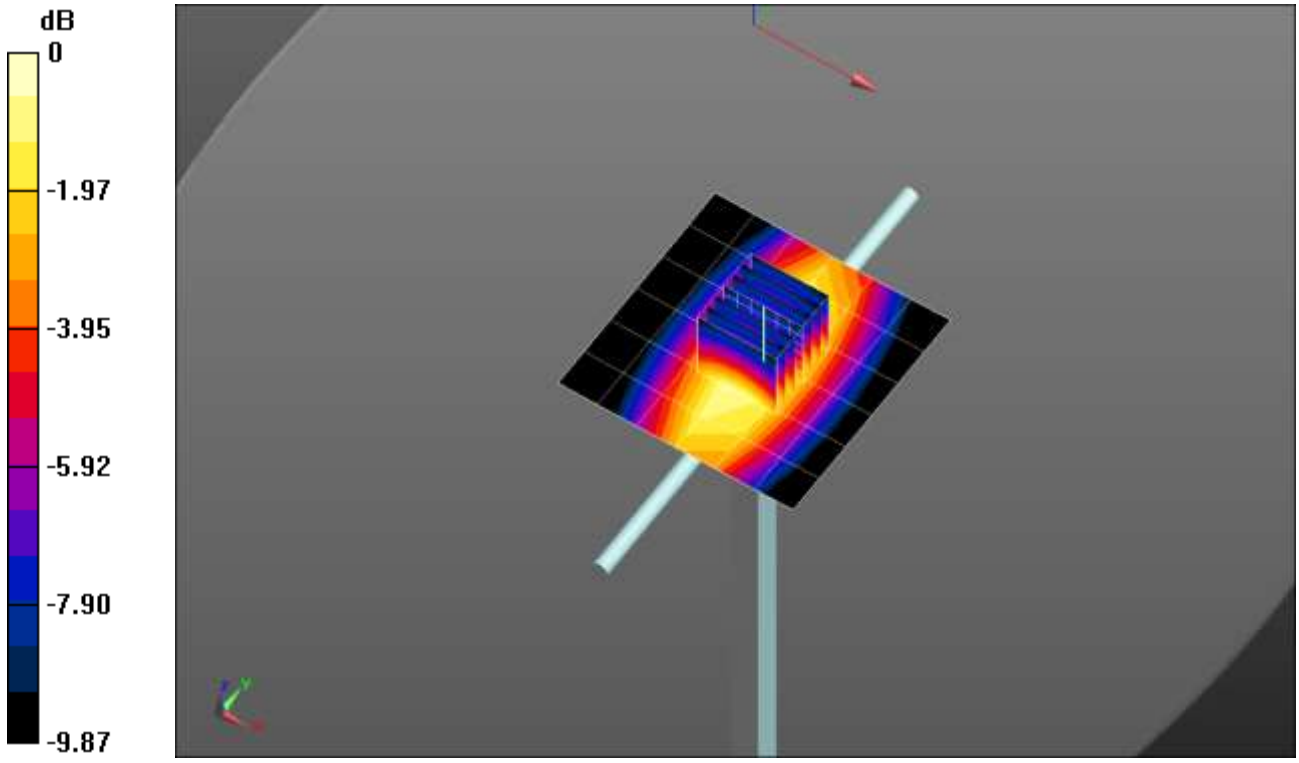
Frequency: 750 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 750 MHz; σ = 0.96 S/m; ε_r = 53.55; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1546; Calibrated: 5/14/2019
- Probe: EX3DV4 - SN3773; ConvF(9.06, 9.06, 9.06) @ 750 MHz; Calibrated: 3/27/2019
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 A; Type: SM 000 T01 DA; Serial: TP:1247

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

Maximum value of SAR (measured) = 1.05 W/kg

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

Reference Value = 33.56 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 1.34 W/kg
SAR(1 g) = 0.915 W/kg; SAR(10 g) = 0.610 W/kg
Maximum value of SAR (measured) = 1.11 W/kg



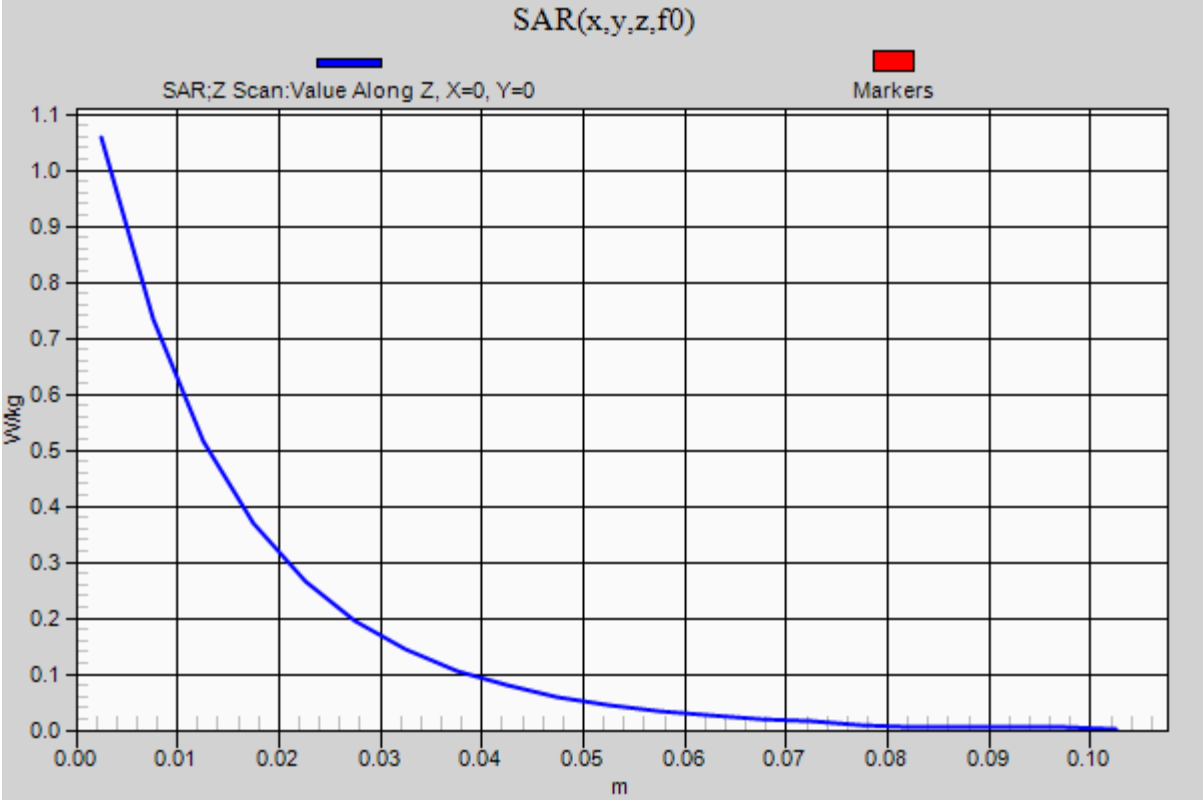
0 dB = 1.11 W/kg = 0.45 dBW/kg

20190628_SystemPerformanceCheck-D750V3 SN 1071

Frequency: 750 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) = 1.06 W/kg



20190628_SystemPerformanceCheck-D2600V2 SN 1006

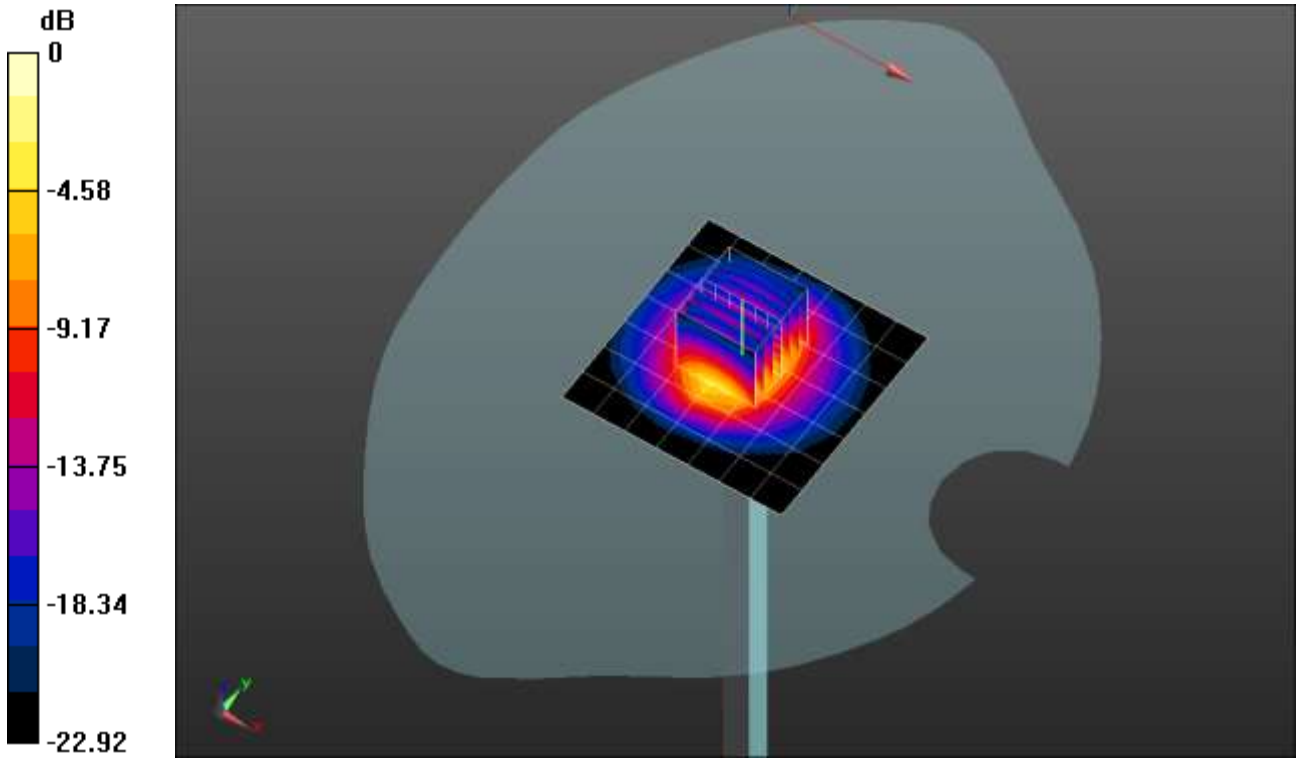
Frequency: 2600 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 2600 MHz; σ = 1.956 S/m; ε_r = 40.068; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1546; Calibrated: 5/14/2019
- Probe: EX3DV4 - SN3773; ConvF(6.47, 6.47, 6.47) @ 2600 MHz; Calibrated: 3/27/2019
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM with CRP; Type: SAM;

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

Maximum value of SAR (measured) = 7.62 W/kg

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

Reference Value = 59.17 V/m; Power Drift = 0.19 dB
Peak SAR (extrapolated) = 11.7 W/kg
SAR(1 g) = 5.47 W/kg; SAR(10 g) = 2.46 W/kg
Maximum value of SAR (measured) = 7.91 W/kg



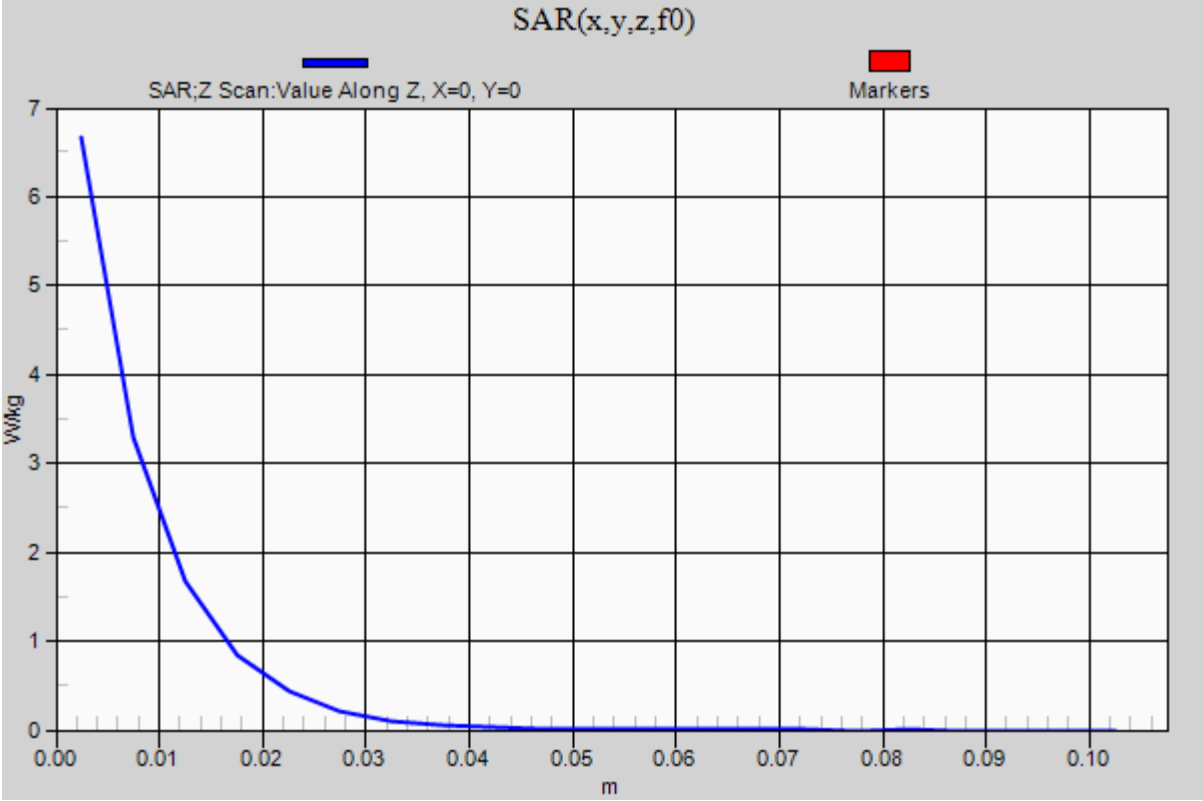
0 dB = 7.91 W/kg = 8.98 dBW/kg

20190628_SystemPerformanceCheck-D2600V2 SN 1006

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) = 6.66 W/kg



20190702_SystemPerformanceCheck-D750V3 SN 1019

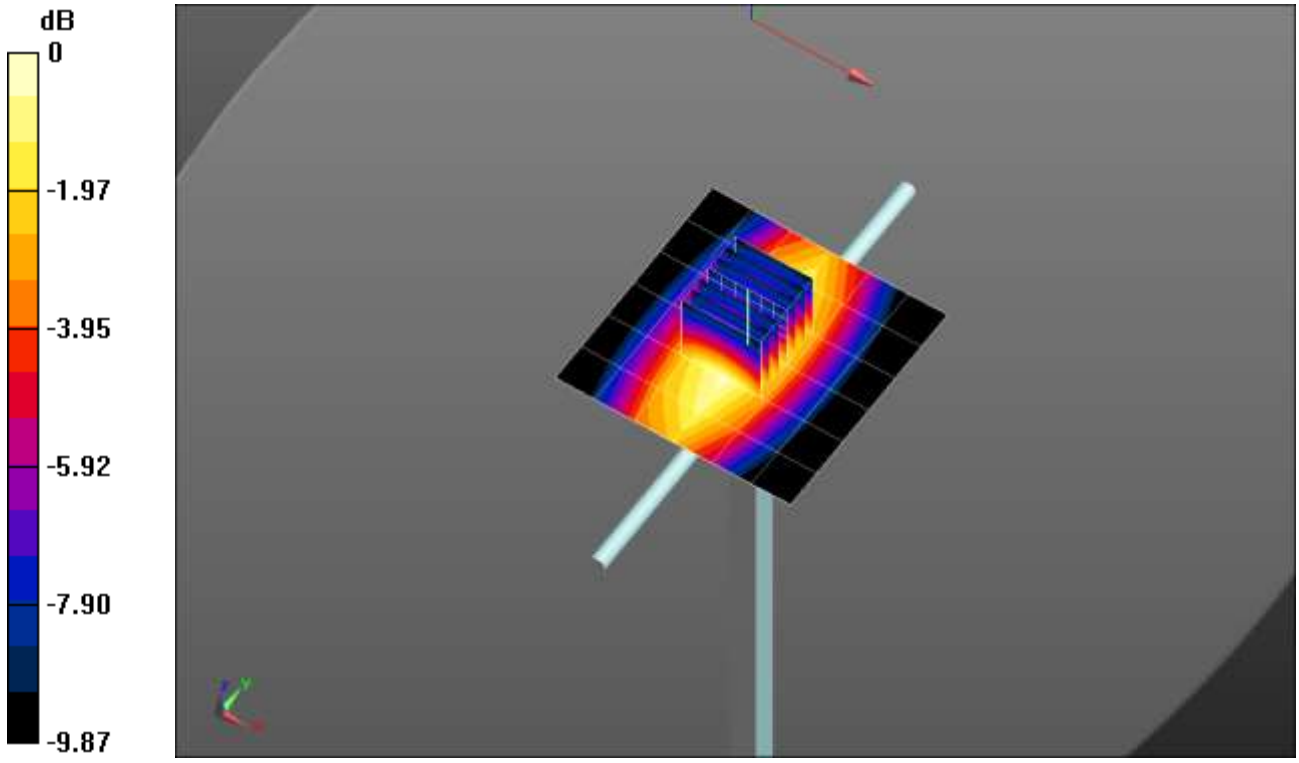
Frequency: 750 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: f = 750 MHz; σ = 0.987 S/m; ε_r = 53.723; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1546; Calibrated: 5/14/2019
- Probe: EX3DV4 - SN3773; ConvF(9.06, 9.06, 9.06) @ 750 MHz; Calibrated: 3/27/2019
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v5.0 A; Type: SM 000 T01 DA; Serial: TP:1247

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

Maximum value of SAR (measured) = 1.07 W/kg

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

Reference Value = 33.50 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 1.30 W/kg
SAR(1 g) = 0.892 W/kg; SAR(10 g) = 0.594 W/kg
Maximum value of SAR (measured) = 1.08 W/kg



0 dB = 1.08 W/kg = 0.33 dBW/kg

20190702_SystemPerformanceCheck-D750V3 SN 1019

Frequency: 750 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) = 1.07 W/kg