

20210726 SystemPerformanceCheck-D1900V2 SN 5d043

Frequency: 1900 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: $f = 1900 \text{ MHz}$; $\sigma = 1.453 \text{ S/m}$; $\epsilon_r = 38.13$; $\rho = 1000 \text{ kg/m}^3$

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1359; Calibrated: 1/28/2021
- Probe: EX3DV4 - SN3772; ConvF(7.33, 7.33, 7.33) @ 1900 MHz; Calibrated: 2/25/2021
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V8.0 (20deg probe tilt); Type: QD 000 P41 AA; Serial: 1948

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

Maximum value of SAR (measured) = 5.64 W/kg

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

Reference Value = 62.94 V/m; Power Drift = 0.01 dB

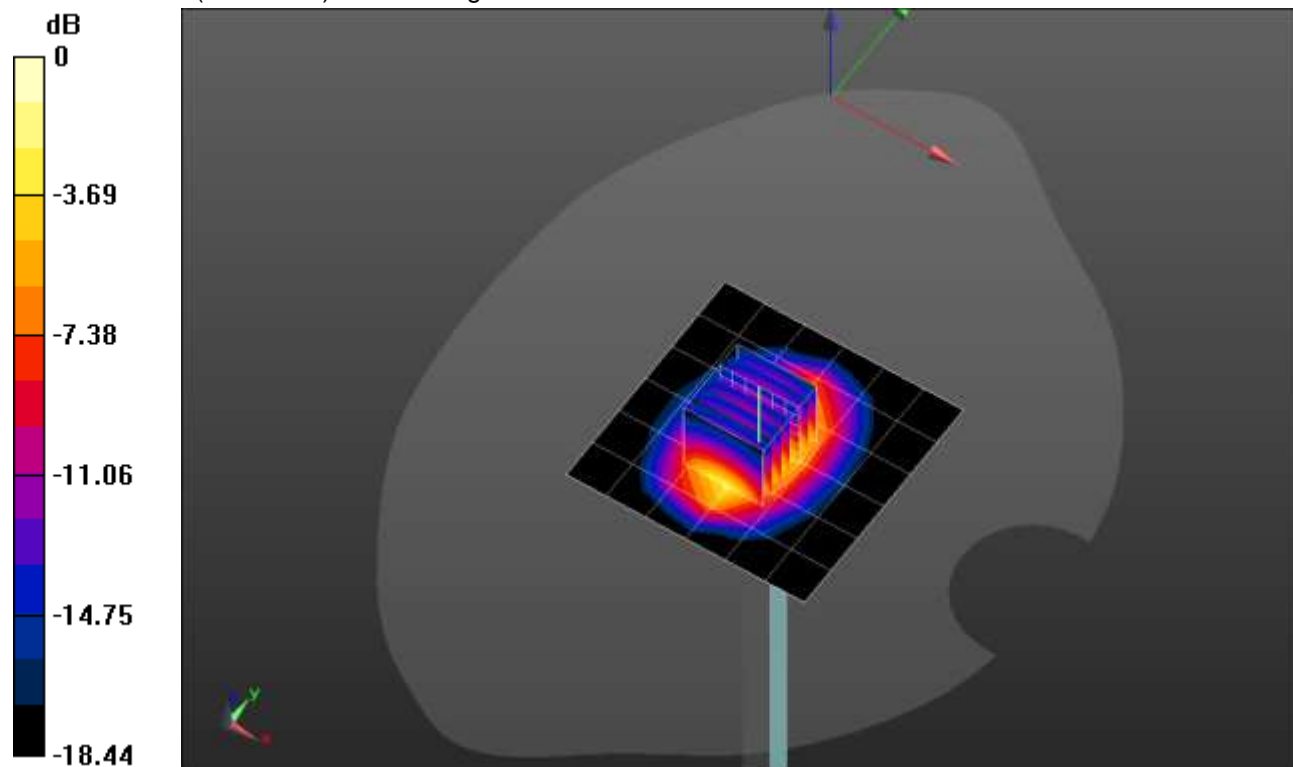
Peak SAR (extrapolated) = 7.90 W/kg

SAR(1 g) = 4.21 W/kg; SAR(10 g) = 2.18 W/kg

Smallest distance from peaks to all points 3 dB below = 10.2 mm

Ratio of SAR at M2 to SAR at M1 = 54%

Maximum value of SAR (measured) = 5.70 W/kg



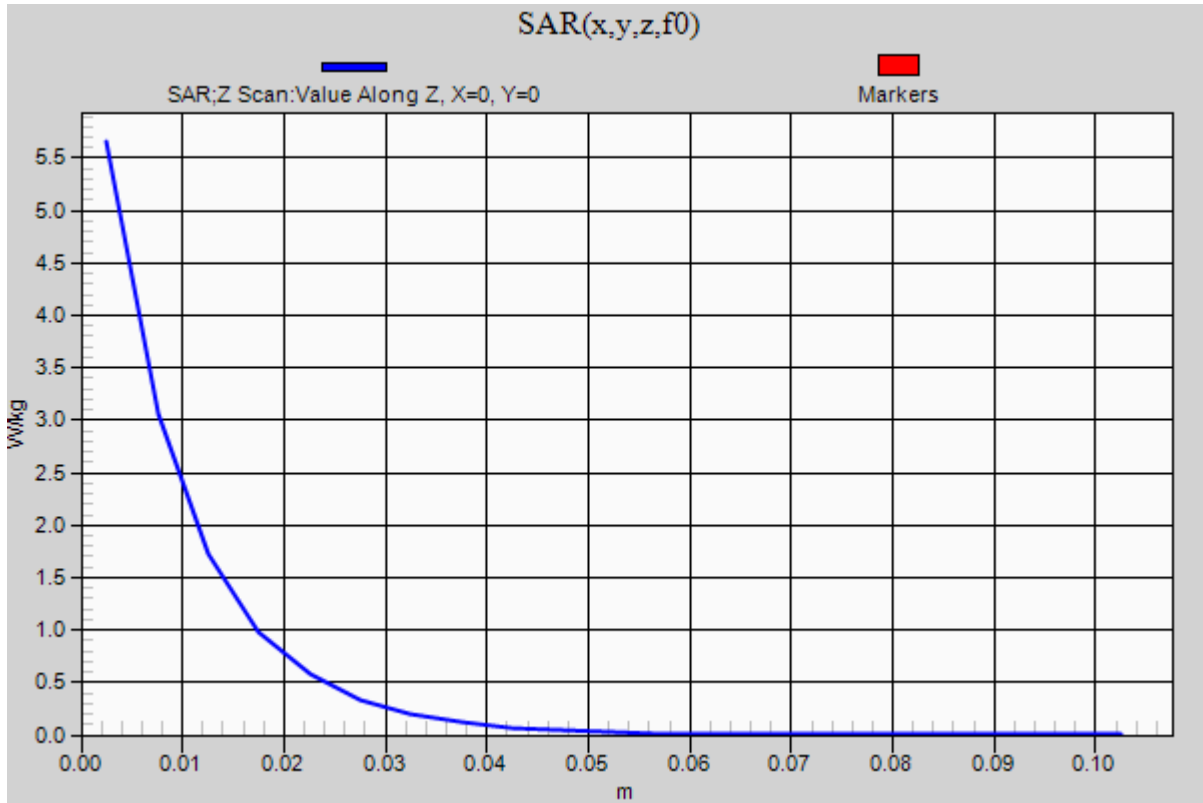
0 dB = 5.70 W/kg = 7.56 dBW/kg

20210726 SystemPerformanceCheck-D1900V2 SN 5d043

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) = 5.66 W/kg



20210724_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: $f = 835 \text{ MHz}$; $\sigma = 0.918 \text{ S/m}$; $\epsilon_r = 39.63$; $\rho = 1000 \text{ kg/m}^3$

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1380; Calibrated: 8/19/2020
- Probe: EX3DV4 - SN3749; ConvF(8.96, 8.96, 8.96) @ 835 MHz; Calibrated: 2/5/2021
- 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) = 1.22 W/kg

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

Reference Value = 37.02 V/m; Power Drift = 0.09 dB

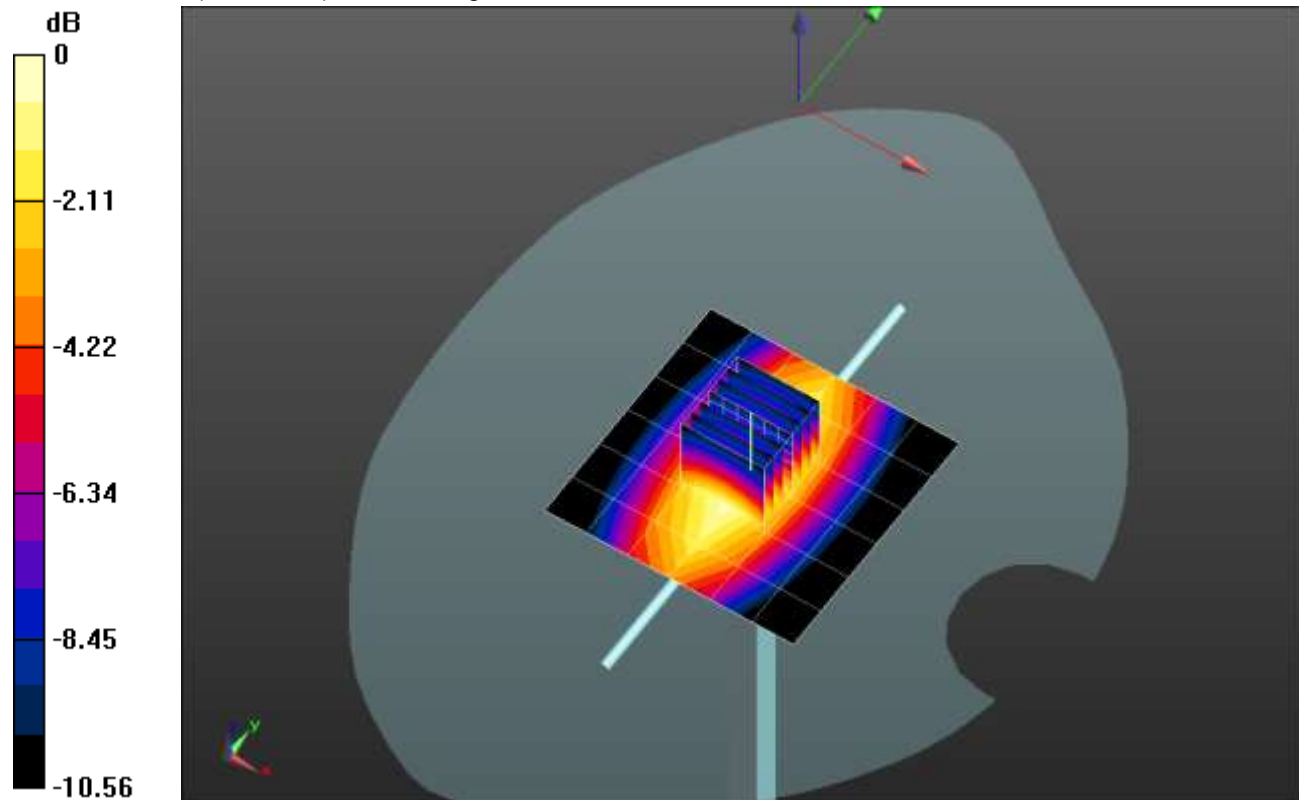
Peak SAR (extrapolated) = 1.54 W/kg

SAR(1 g) = 1.02 W/kg; SAR(10 g) = 0.668 W/kg

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 66.5%

Maximum value of SAR (measured) = 1.25 W/kg



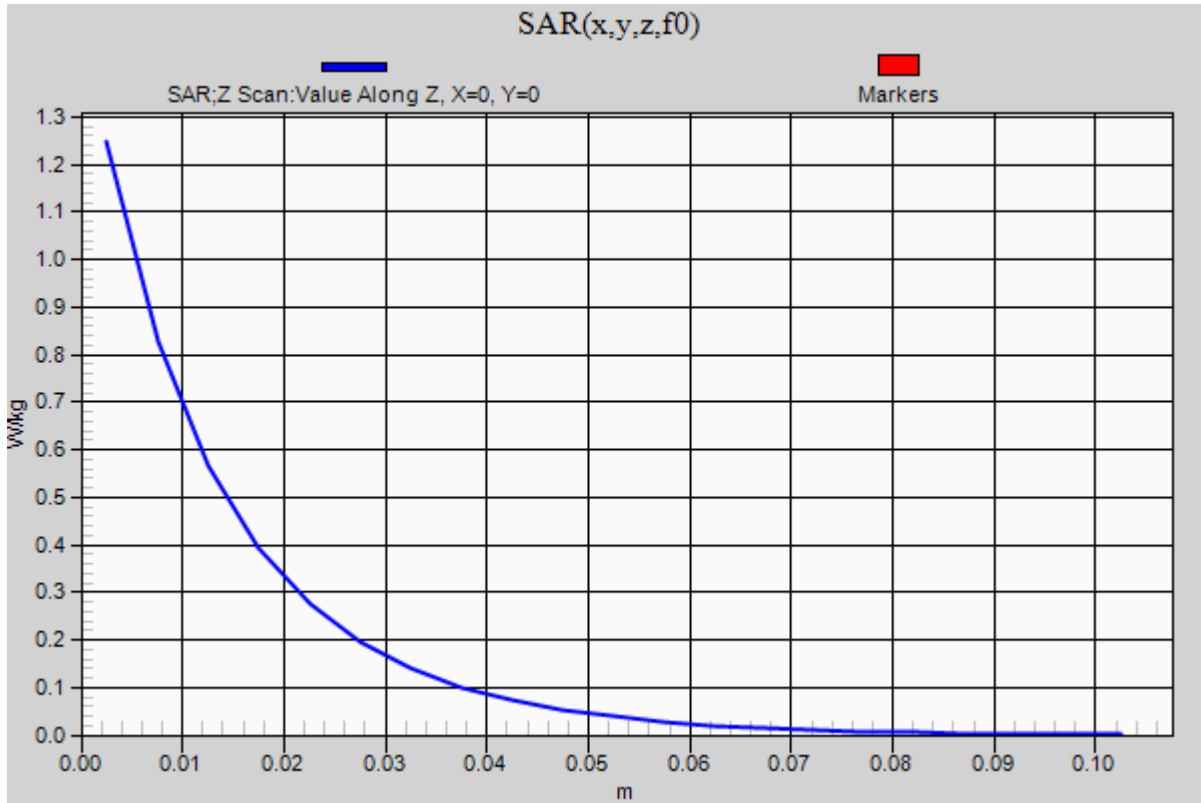
0 dB = 1.25 W/kg = 0.97 dBW/kg

20210724_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) = 1.25 W/kg



20210726_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; $\sigma = 1.812$ S/m; $\epsilon_r = 39.236$; $\rho = 1000$ 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 Sn1540; Calibrated: 1/27/2021
- Probe: EX3DV4 - SN7500; ConvF(7.69, 7.69, 7.69) @ 2450 MHz; Calibrated: 3/18/2021
- 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) = 6.48 W/kg

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

Reference Value = 66.83 V/m; Power Drift = -0.14 dB

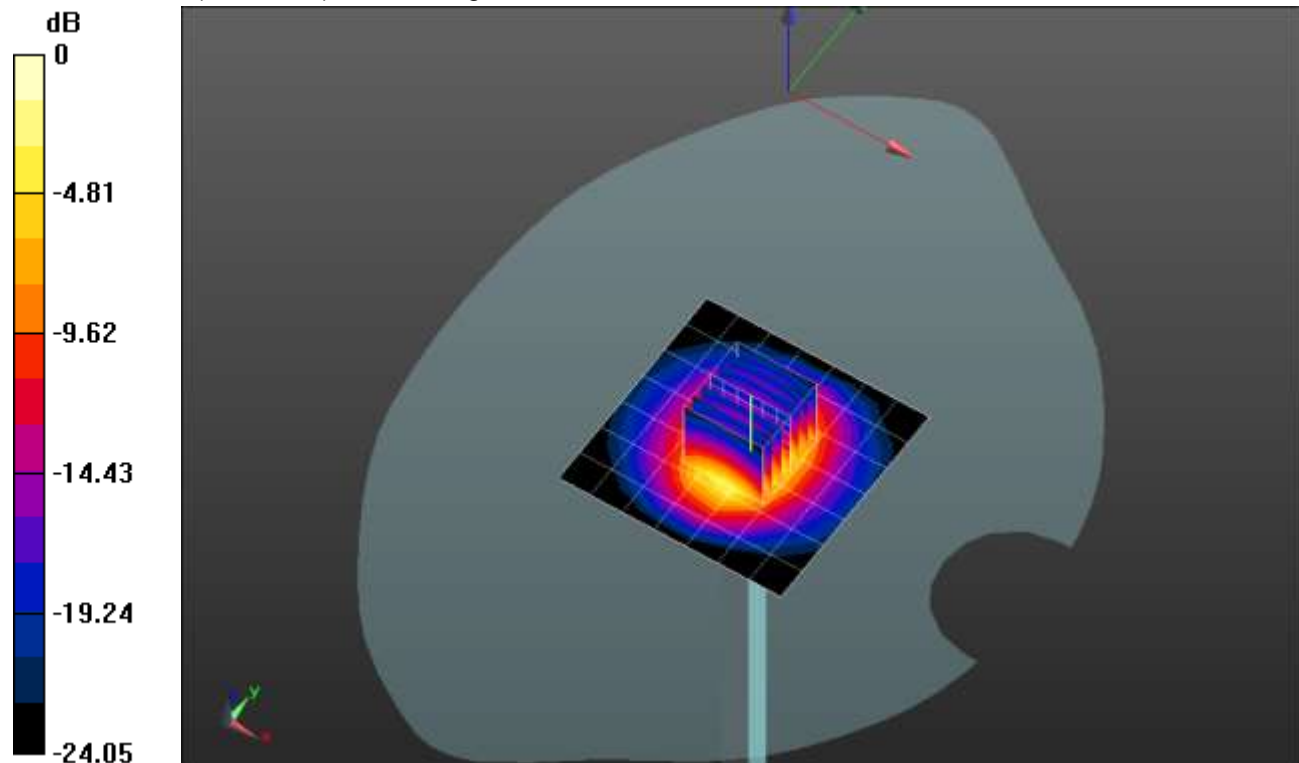
Peak SAR (extrapolated) = 12.5 W/kg

SAR(1 g) = 5.57 W/kg; SAR(10 g) = 2.51 W/kg

Smallest distance from peaks to all points 3 dB below = 10 mm

Ratio of SAR at M2 to SAR at M1 = 44.1%

Maximum value of SAR (measured) = 8.11 W/kg



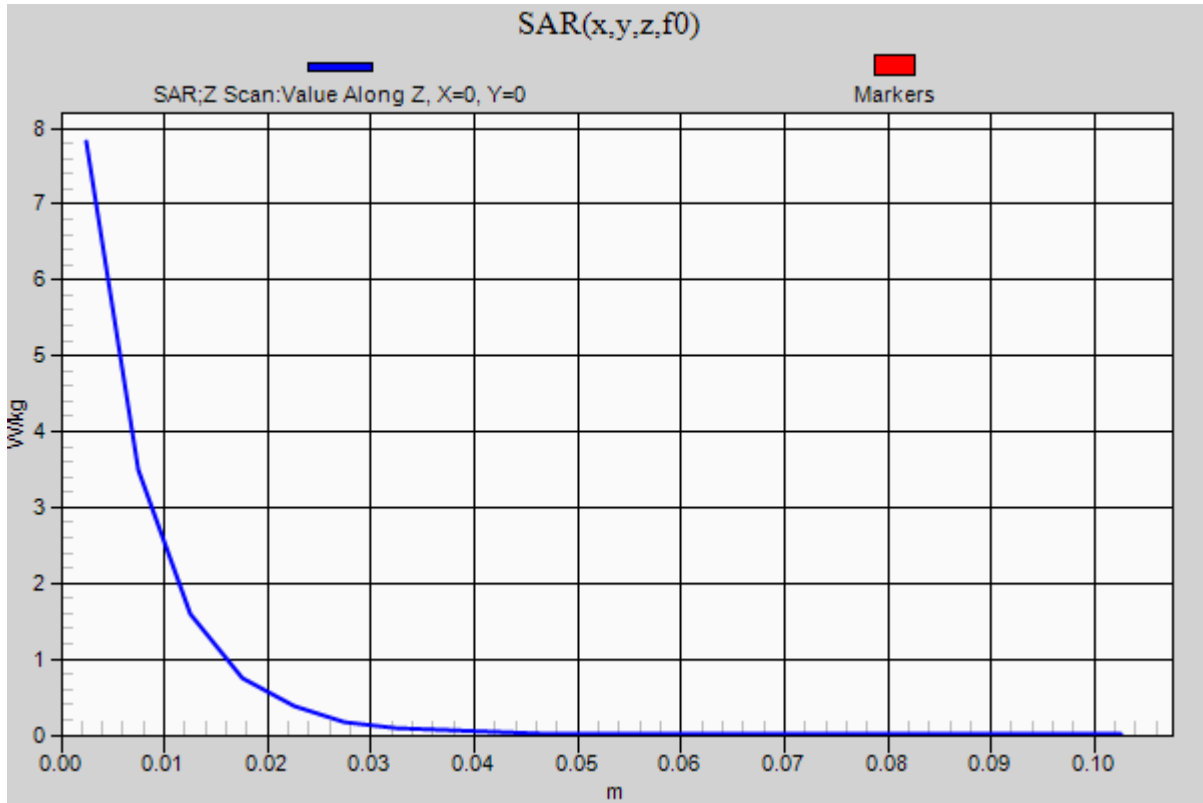
0 dB = 8.11 W/kg = 9.09 dBW/kg

20210726_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) = 7.82 W/kg



20210726_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: $f = 5250 \text{ MHz}$; $\sigma = 4.696 \text{ S/m}$; $\epsilon_r = 36.722$; $\rho = 1000 \text{ kg/m}^3$

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1433; Calibrated: 2/24/2021
- Probe: EX3DV4 - SN7356; ConvF(5.54, 5.54, 5.54) @ 5250 MHz; Calibrated: 3/19/2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (20deg probe tilt); Type: SAM;

Head/5.25 GHz, Pin=100mW/Area Scan (7x7x1): Measurement grid: dx=10mm, dy=10mm
 Maximum value of SAR (measured) = 19.6 W/kg

Head/5.25 GHz, Pin=100mW/Zoom Scan (8x8x8)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 57.03 V/m; Power Drift = -0.04 dB

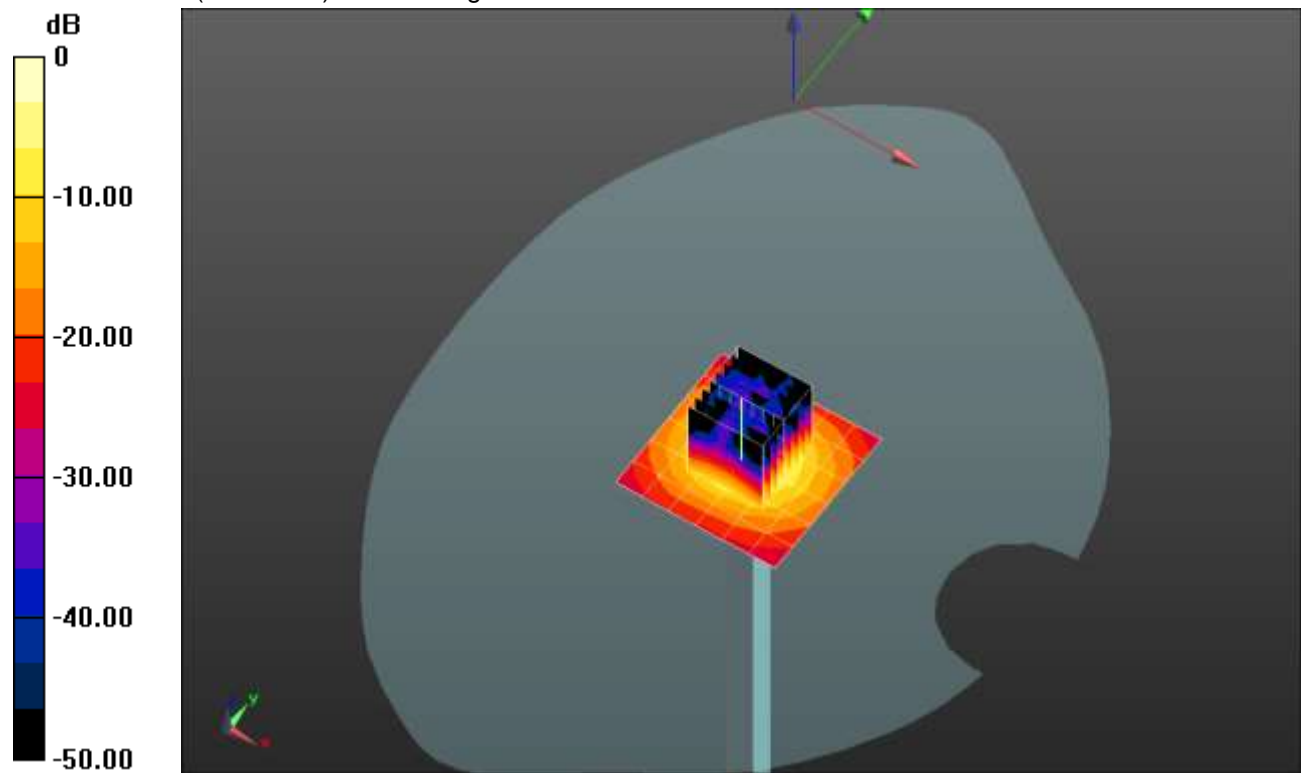
Peak SAR (extrapolated) = 31.8 W/kg

SAR(1 g) = 7.78 W/kg; SAR(10 g) = 2.21 W/kg

Smallest distance from peaks to all points 3 dB below = 7.2 mm

Ratio of SAR at M2 to SAR at M1 = 64.6%

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

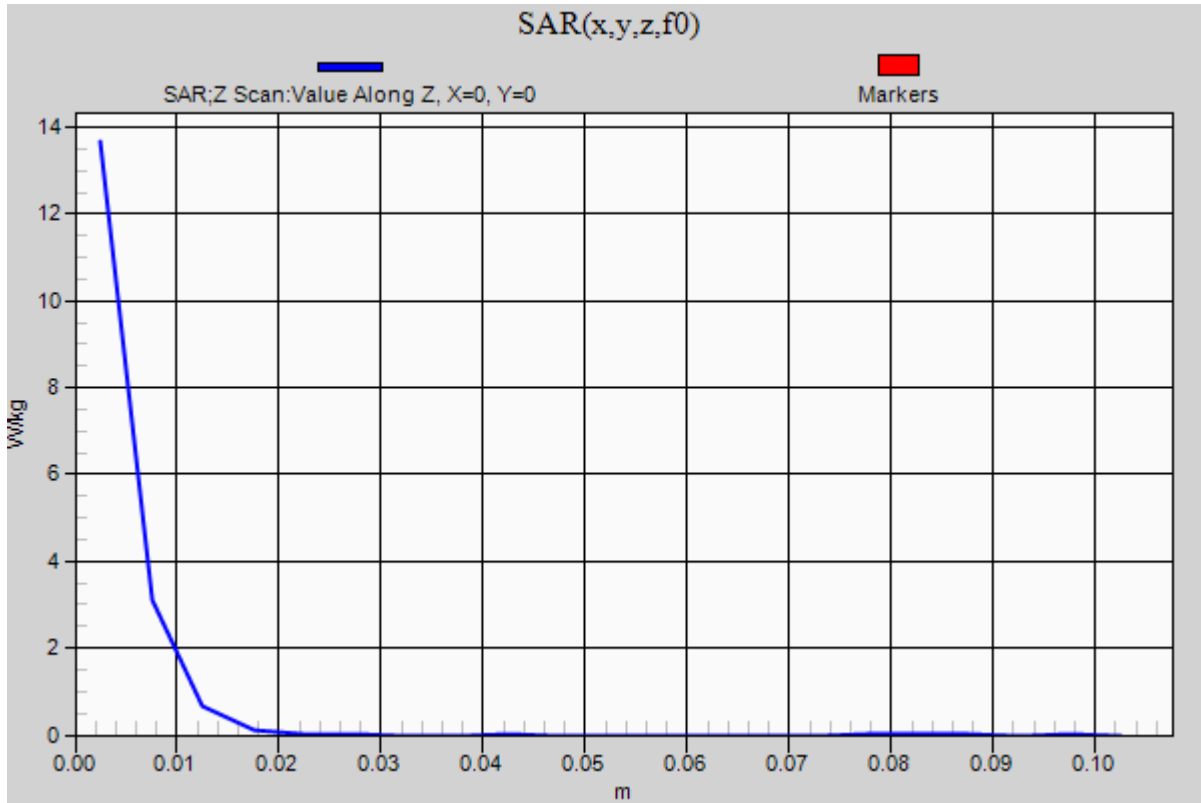


0 dB = 17.8 W/kg = 12.50 dBW/kg

20210726_SystemPerformanceCheck-D5GHzV2 SN 1168

Frequency: 5250 MHz; Duty Cycle: 1:1

Head 2/5.25 GHz, Pin=100mW 2 2/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 13.7 W/kg



20210730_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: $f = 5250 \text{ MHz}$; $\sigma = 4.666 \text{ S/m}$; $\epsilon_r = 34.9$; $\rho = 1000 \text{ kg/m}^3$

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1258; Calibrated: 3/18/2021
- Probe: EX3DV4 - SN3902; ConvF(5.25, 5.25, 5.25) @ 5250 MHz; Calibrated: 3/18/2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (20deg probe tilt); Type: SAM;

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

Maximum value of SAR (measured) = 20.0 W/kg

Head/5.25 GHz, Pin=100mW/Zoom Scan (8x8x8)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 58.93 V/m; Power Drift = -0.17 dB

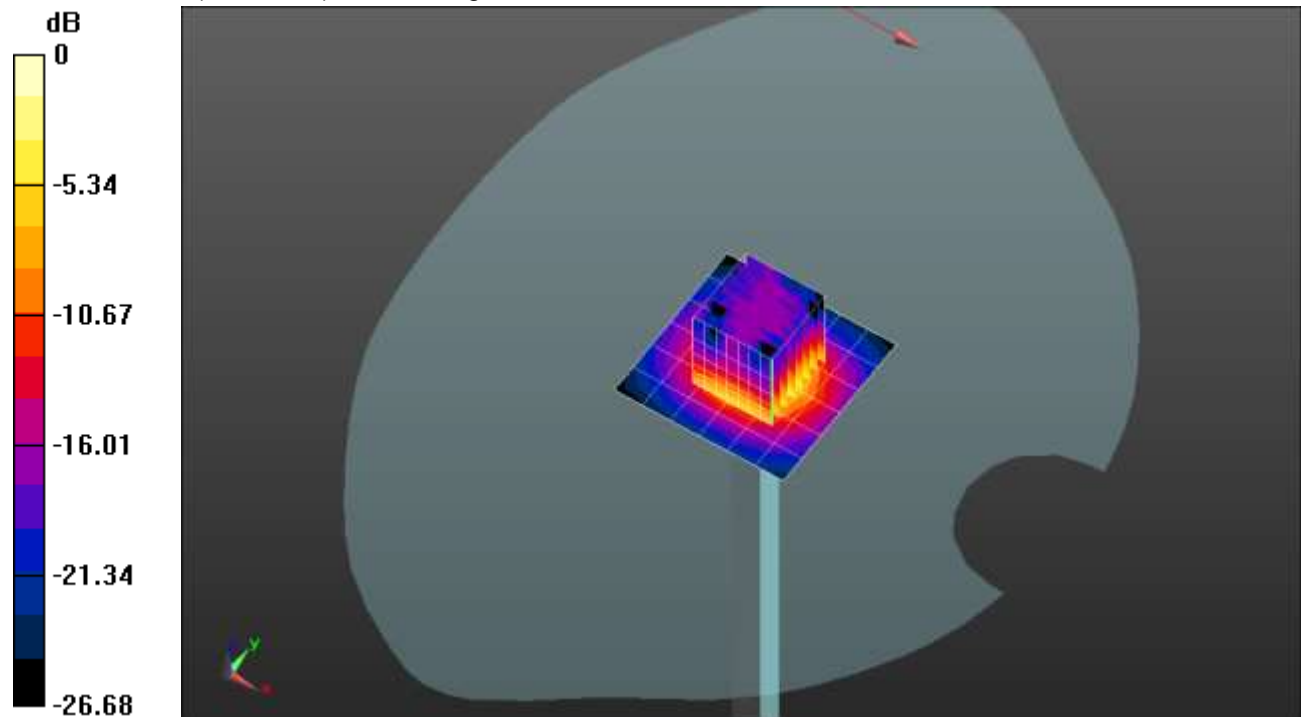
Peak SAR (extrapolated) = 33.0 W/kg

SAR(1 g) = 8.74 W/kg; SAR(10 g) = 2.54 W/kg

Smallest distance from peaks to all points 3 dB below = 7.5 mm

Ratio of SAR at M2 to SAR at M1 = 66.8%

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

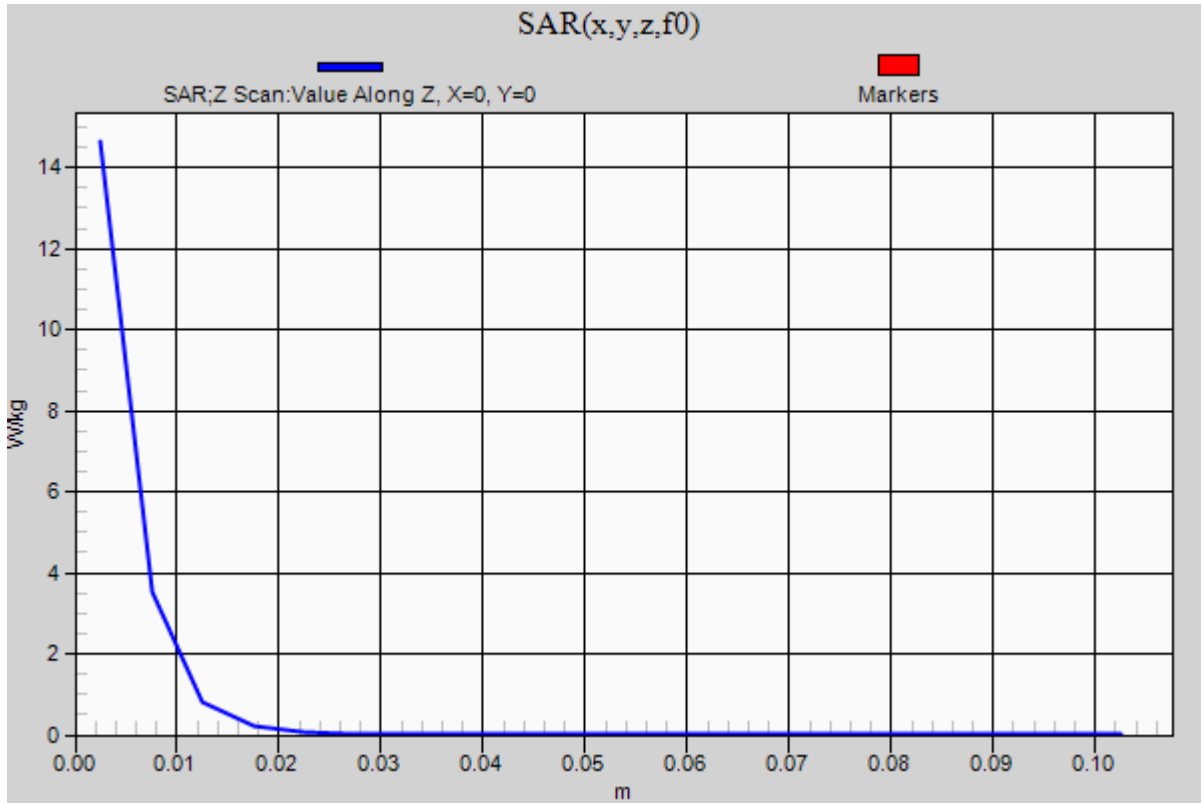


0 dB = 20.0 W/kg = 13.01 dBW/kg

20210730_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) = 14.6 W/kg



20210802_SystemPerformanceCheck-D3500V2 SN 1060

Frequency: 3500 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
 Medium parameters used: $f = 3500$ MHz; $\sigma = 2.786$ S/m; $\epsilon_r = 37.077$; $\rho = 1000$ 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: DAE4ip Sn1618; Calibrated: 4/20/2021
- Probe: EX3DV4 - SN3990; ConvF(7.04, 7.04, 7.04) @ 3500 MHz; Calibrated: 2/5/2021
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V8.0 (20deg probe tilt); Type: QD 000 P41 AA; Serial: 1956

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

Maximum value of SAR (measured) = 7.45 W/kg

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

Reference Value = 60.83 V/m; Power Drift = 0.15 dB

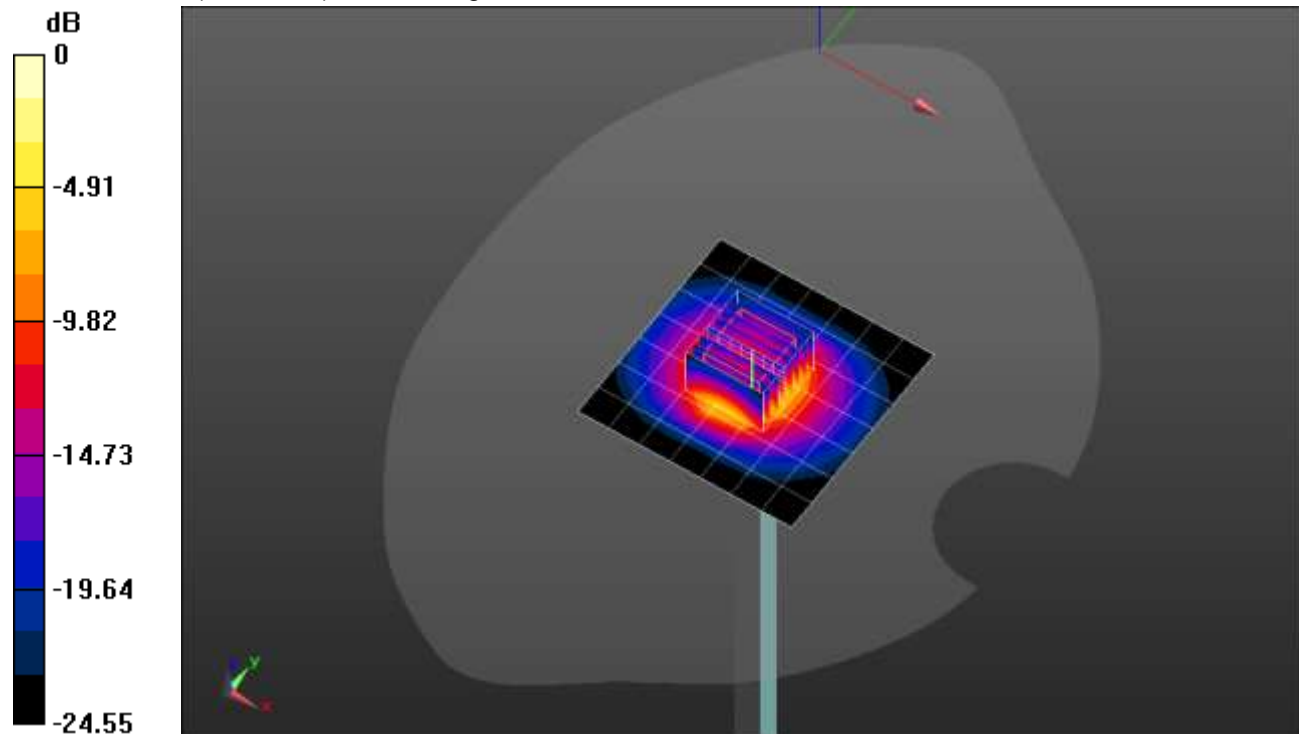
Peak SAR (extrapolated) = 16.6 W/kg

SAR(1 g) = 6.57 W/kg; SAR(10 g) = 2.51 W/kg

Smallest distance from peaks to all points 3 dB below = 8.6 mm

Ratio of SAR at M2 to SAR at M1 = 56.4%

Maximum value of SAR (measured) = 9.71 W/kg

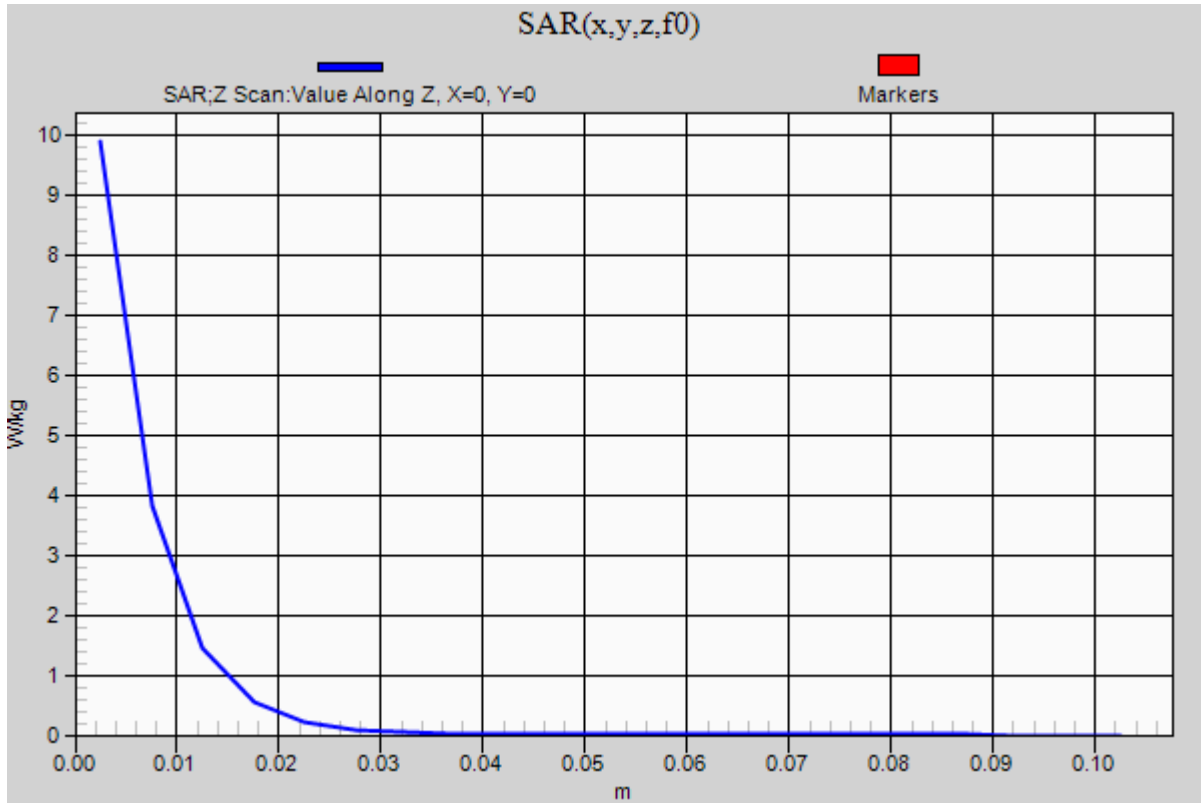


0 dB = 9.71 W/kg = 9.87 dBW/kg

20210802_SystemPerformanceCheck-D3500V2 SN 1060

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) = 9.87 W/kg



20210722_SystemPerformanceCheck-D835V2 SN 4d142

Frequency: 835 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
 Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.938 \text{ S/m}$; $\epsilon_r = 41.387$; $\rho = 1000 \text{ kg/m}^3$

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1545; Calibrated: 2/22/2021
- Probe: EX3DV4 - SN7448; ConvF(9.76, 9.76, 9.76) @ 835 MHz; Calibrated: 2/26/2021
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP:xxxx

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

Maximum value of SAR (measured) = 1.22 W/kg

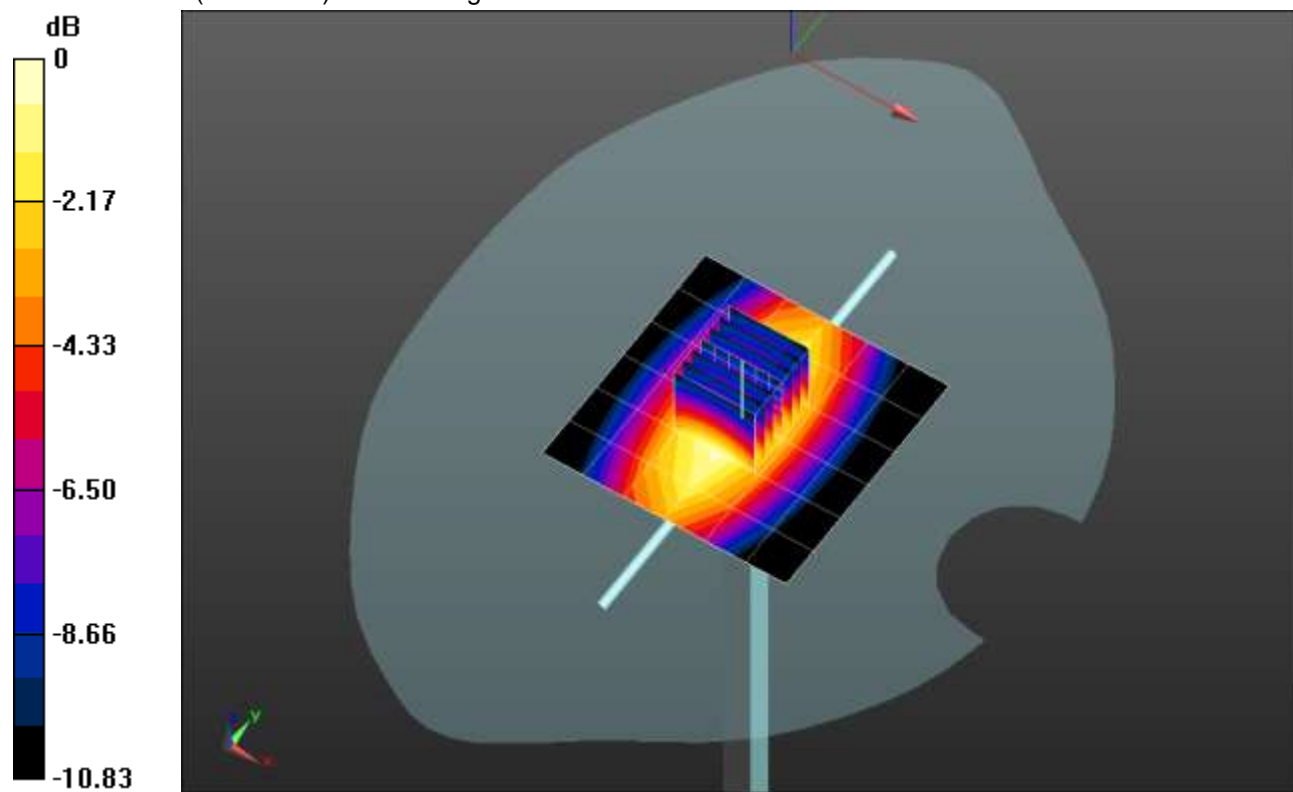
Head/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 36.48 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.52 W/kg

SAR(1 g) = 1.01 W/kg; SAR(10 g) = 0.657 W/kg

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



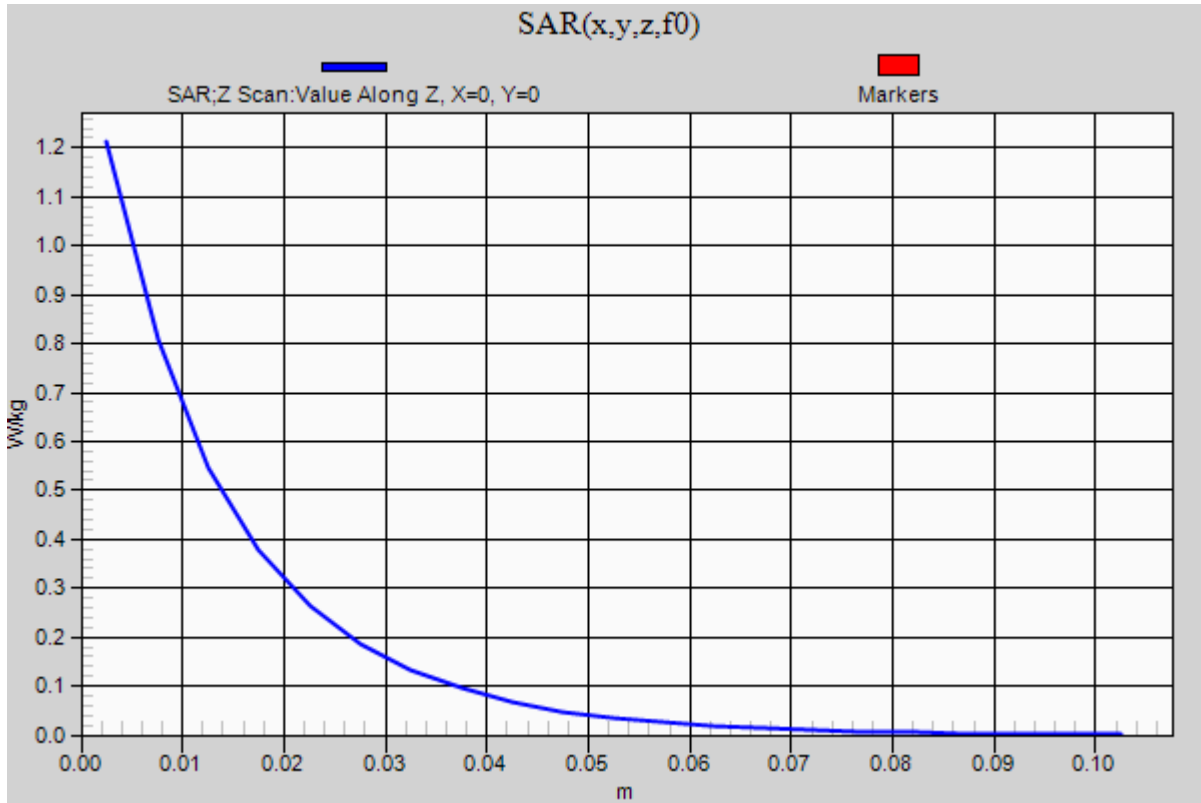
0 dB = 1.23 W/kg = 0.90 dBW/kg

20210722_SystemPerformanceCheck-D835V2 SN 4d142

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) = 1.21 W/kg



20210726_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: $f = 835 \text{ MHz}$; $\sigma = 0.925 \text{ S/m}$; $\epsilon_r = 39.929$; $\rho = 1000 \text{ kg/m}^3$

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1545; Calibrated: 2/22/2021
- Probe: EX3DV4 - SN7448; ConvF(9.76, 9.76, 9.76) @ 835 MHz; Calibrated: 2/26/2021
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM with CRP v5.0; Type: QD000P40CD; Serial: TP:xxxx

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

Maximum value of SAR (measured) = 1.29 W/kg

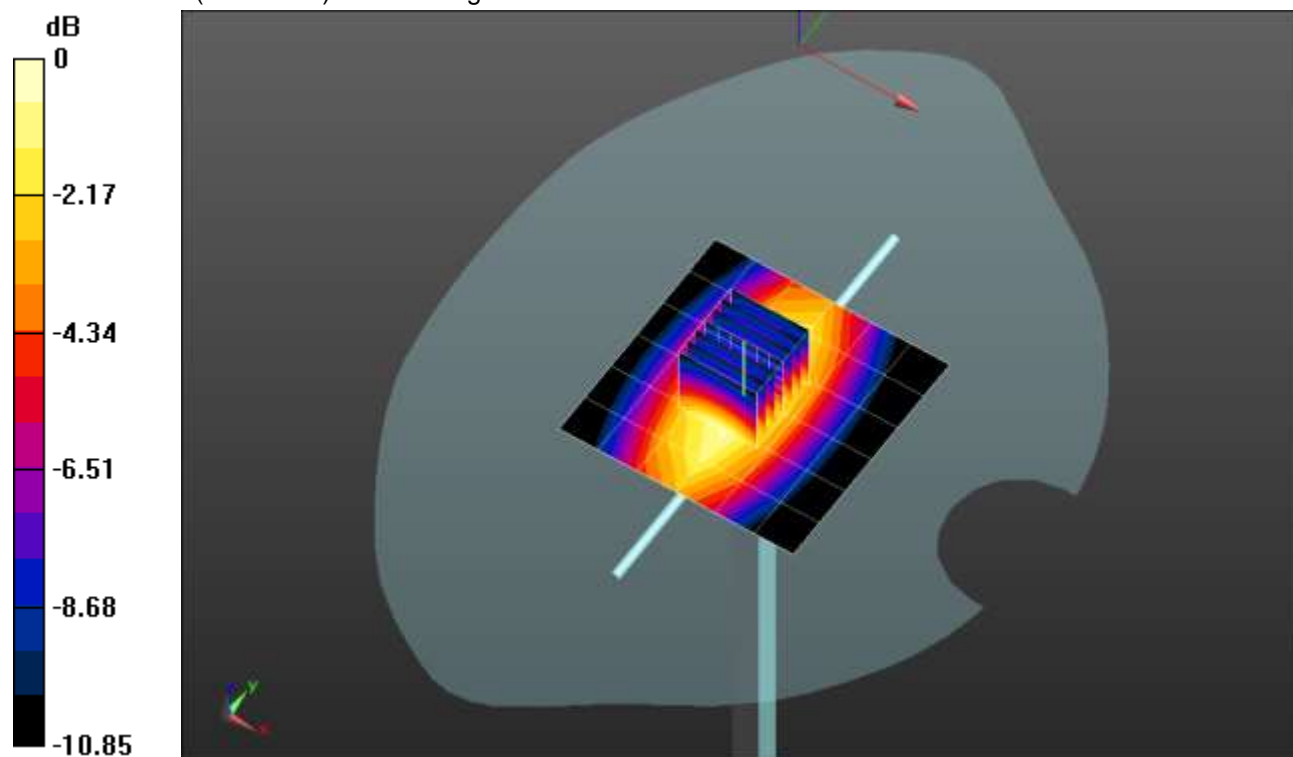
Head/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 37.85 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 1.66 W/kg

SAR(1 g) = 1.1 W/kg; SAR(10 g) = 0.711 W/kg

Maximum value of SAR (measured) = 1.34 W/kg



0 dB = 1.34 W/kg = 1.27 dBW/kg

20210726_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) = 1.31 W/kg

