

**20180807 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:  $f = 835$  MHz;  $\sigma = 1.008$  S/m;  $\epsilon_r = 53.033$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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: 5/3/2018
- Probe: EX3DV4 - SN7498; ConvF(10.01, 10.01, 10.01) @ 835 MHz; Calibrated: 5/4/2018
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI V8.0 (20deg probe tilt) Front; Type: QD OVA 004 AA; Serial: 2081

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

Maximum value of SAR (measured) = 1.21 W/kg

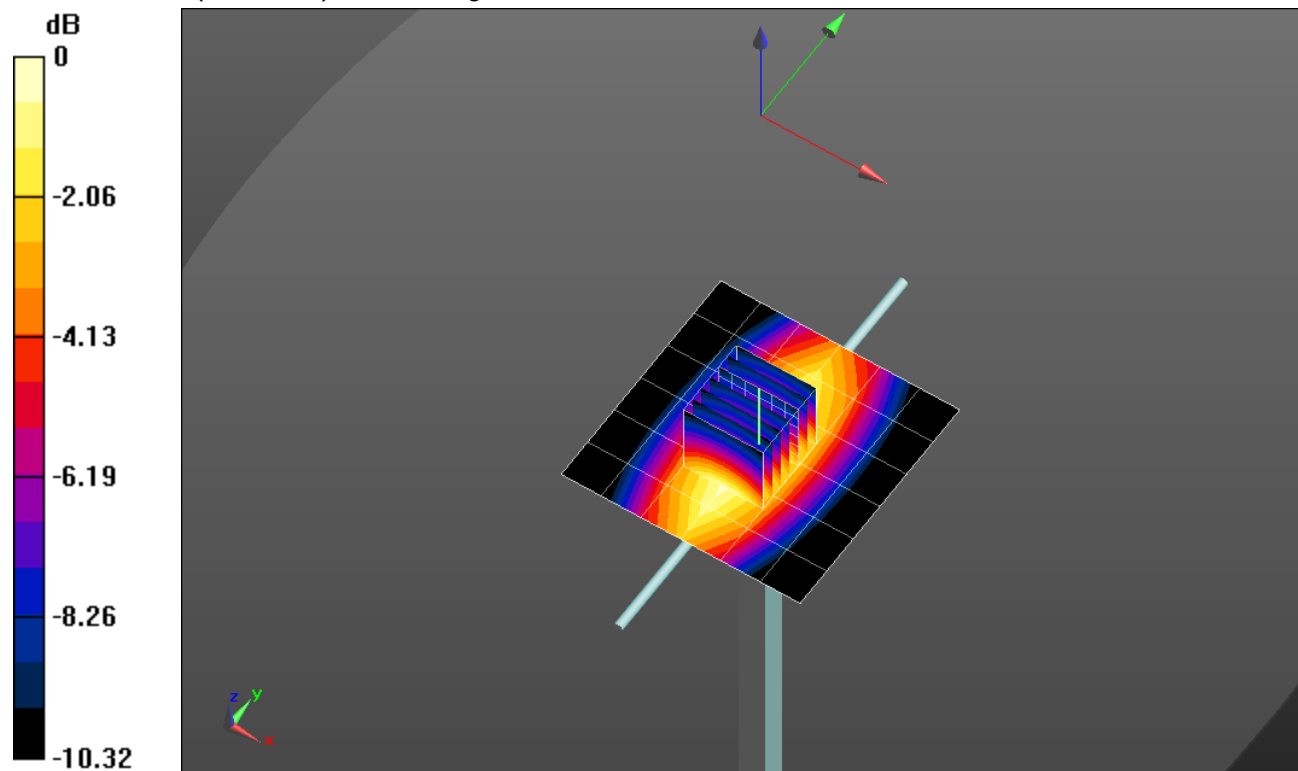
**Body/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 34.94 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.48 W/kg

**SAR(1 g) = 0.992 W/kg; SAR(10 g) = 0.653 W/kg**

Maximum value of SAR (measured) = 1.21 W/kg

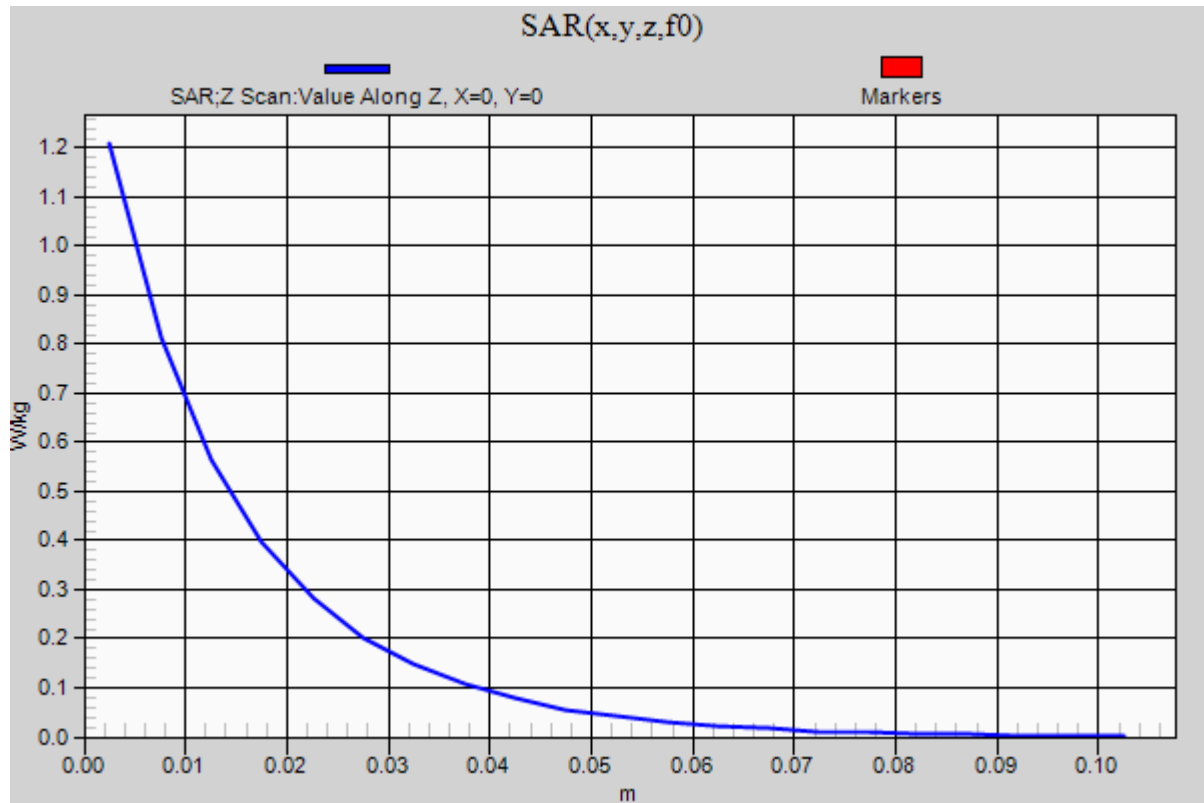


**20180807 SystemPerformanceCheck-D835V2 SN 4d142**

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) = 1.21 W/kg



**20180809\_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;  $\sigma = 1.458$  S/m;  $\epsilon_r = 38.262$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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: 5/3/2018
- Probe: EX3DV4 - SN7498; ConvF(8.61, 8.61, 8.61) @ 1900 MHz; Calibrated: 5/4/2018
- 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 (7x7x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 5.60 W/kg

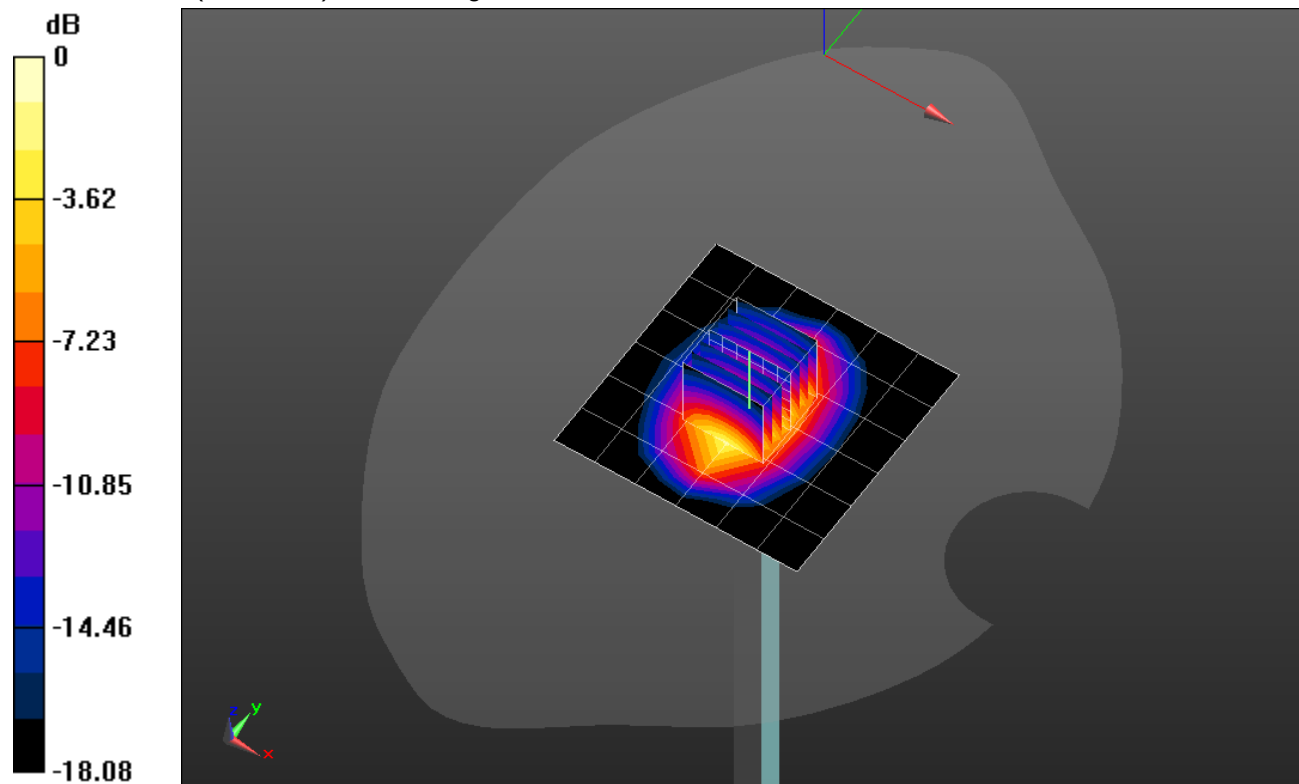
**Head/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 62.15 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 7.78 W/kg

**SAR(1 g) = 4.14 W/kg; SAR(10 g) = 2.13 W/kg**

Maximum value of SAR (measured) = 5.65 W/kg



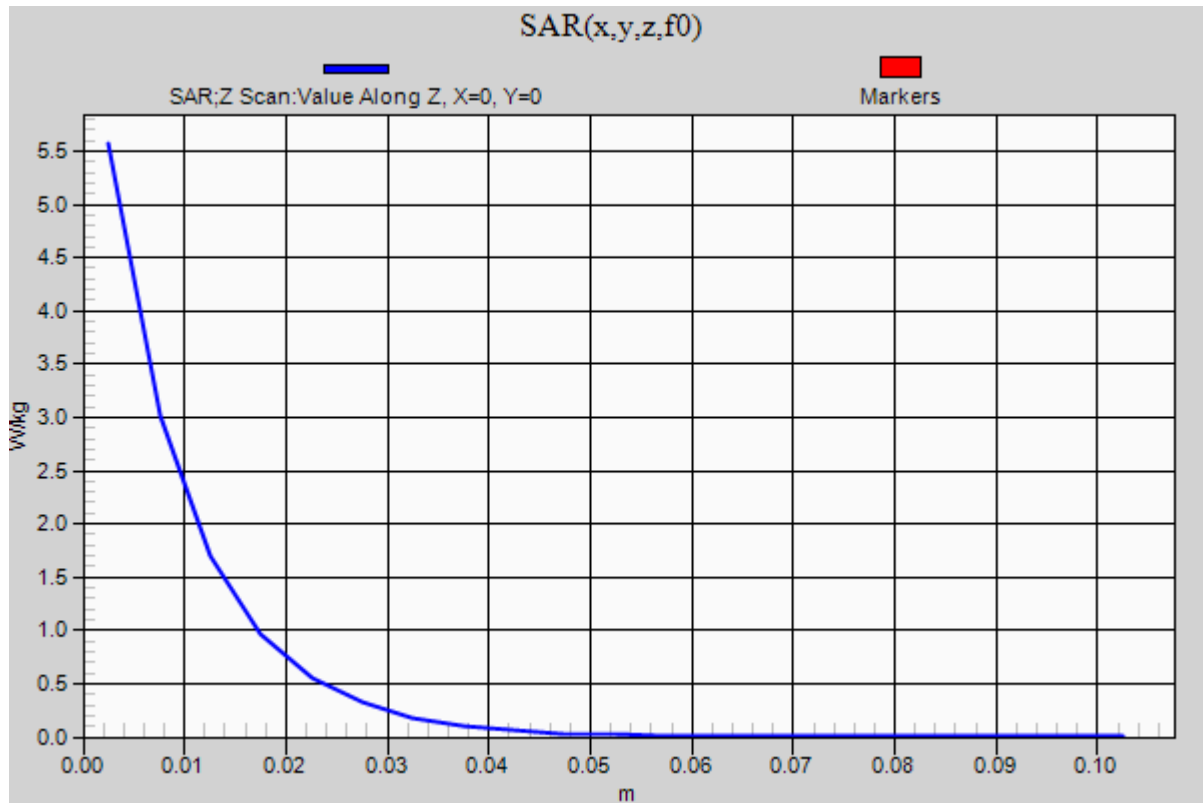
0 dB = 5.65 W/kg = 7.52 dBW/kg

**20180809\_SystemPerformanceCheck-D1900V2 SN 5d163**

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) = 5.57 W/kg



**20180813\_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;  $\sigma = 1.992$  S/m;  $\epsilon_r = 50.773$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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: 5/3/2018
- Probe: EX3DV4 - SN7498; ConvF(7.72, 7.72, 7.72) @ 2450 MHz; Calibrated: 5/4/2018
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI V8.0 (20deg probe tilt) Front; Type: QD OVA 004 AA; Serial: 2081

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

Maximum value of SAR (measured) = 5.22 W/kg

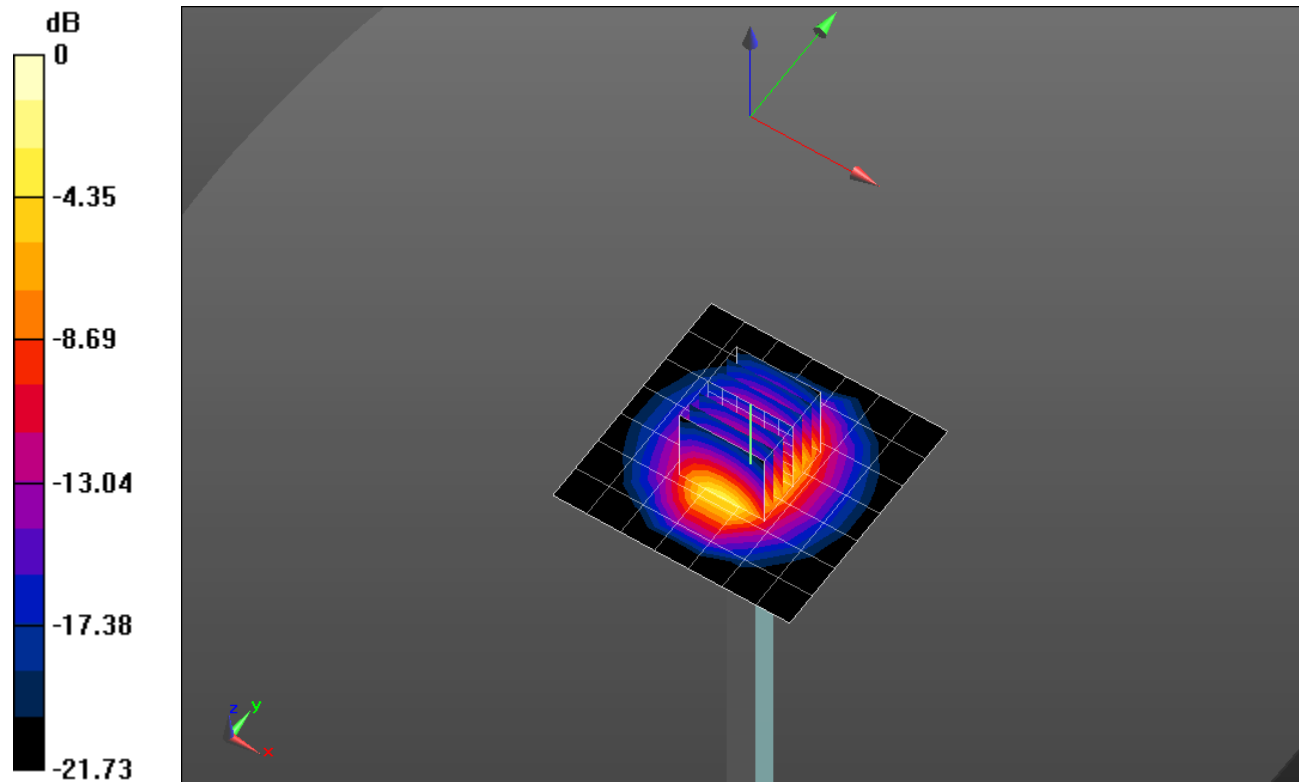
**Body/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 61.62 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 10.7 W/kg

**SAR(1 g) = 5.24 W/kg; SAR(10 g) = 2.43 W/kg**

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



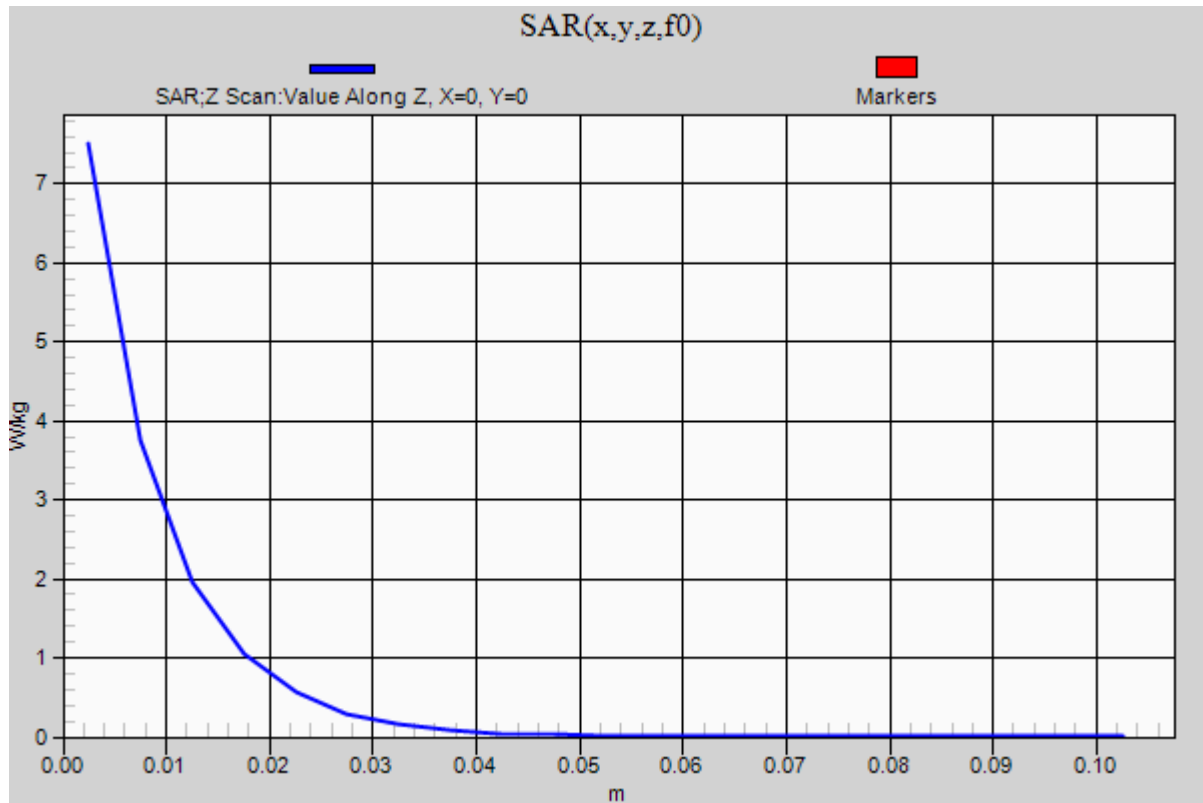
0 dB = 7.45 W/kg = 8.72 dBW/kg

**20180813\_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) = 7.51 W/kg



**20180817\_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;  $\sigma = 1.488$  S/m;  $\epsilon_r = 51.458$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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: 5/3/2018
- Probe: EX3DV4 - SN7498; ConvF(8.54, 8.54, 8.54) @ 1750 MHz; Calibrated: 5/4/2018
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI V8.0 (20deg probe tilt) Front; Type: QD OVA 004 AA; Serial: 2081

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

Maximum value of SAR (measured) = 4.85 W/kg

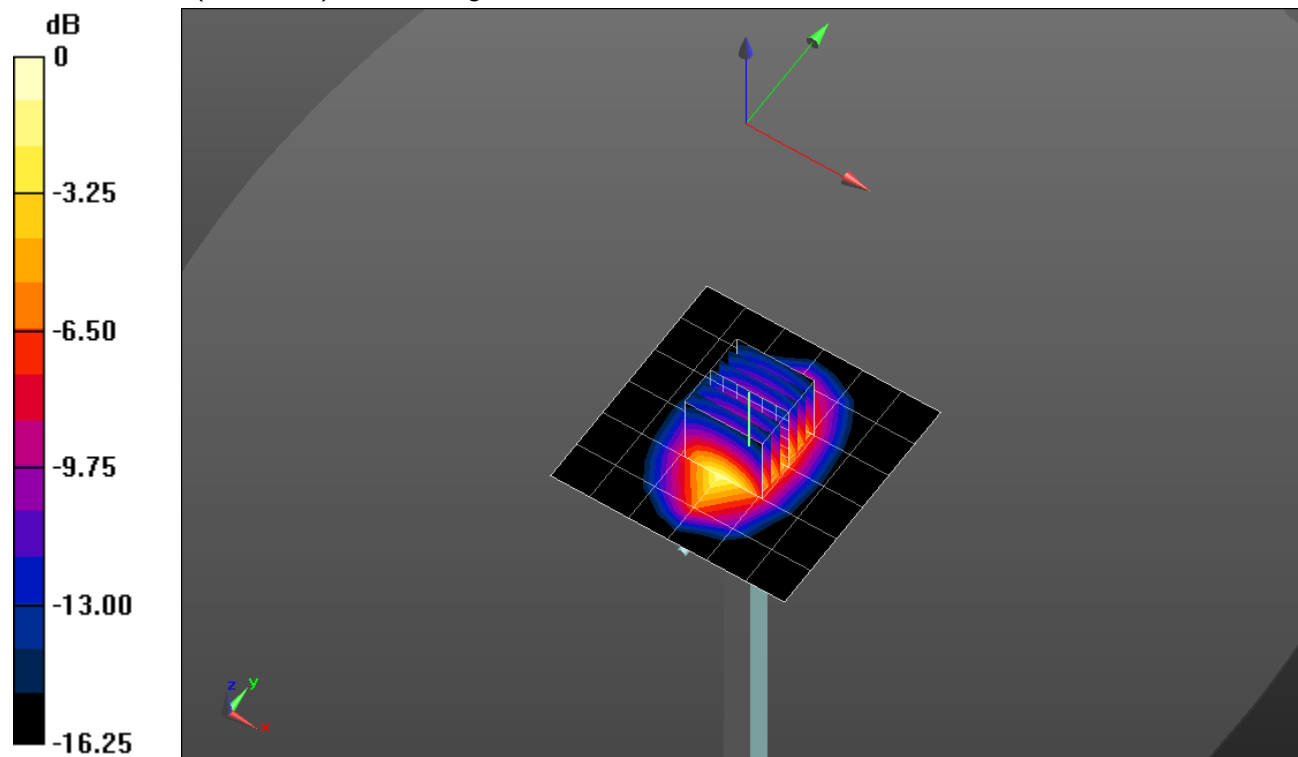
**Body/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 57.95 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 6.58 W/kg

**SAR(1 g) = 3.63 W/kg; SAR(10 g) = 1.93 W/kg**

Maximum value of SAR (measured) = 4.89 W/kg



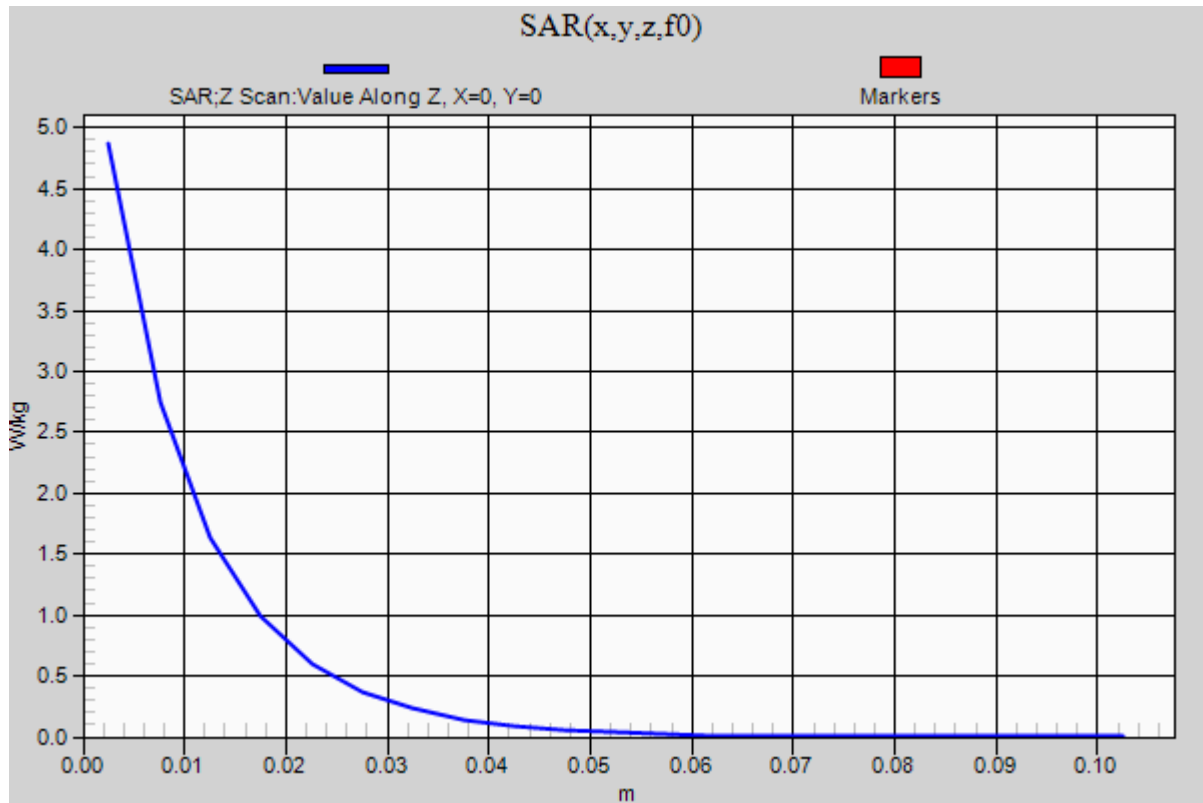
0 dB = 4.89 W/kg = 6.89 dBW/kg

**20180817\_SystemPerformanceCheck-D1750V2 SN 1077**

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) = 4.87 W/kg



**20180807 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;  $\sigma = 1.01$  S/m;  $\epsilon_r = 53.276$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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: 4/13/2018
- Probe: EX3DV4 - SN3885; ConvF(9.53, 9.53, 9.53) @ 750 MHz; Calibrated: 10/24/2017
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI V8.0 (20deg probe tilt) Front; Type: QD OVA 004 AA; Serial: 2081

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

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

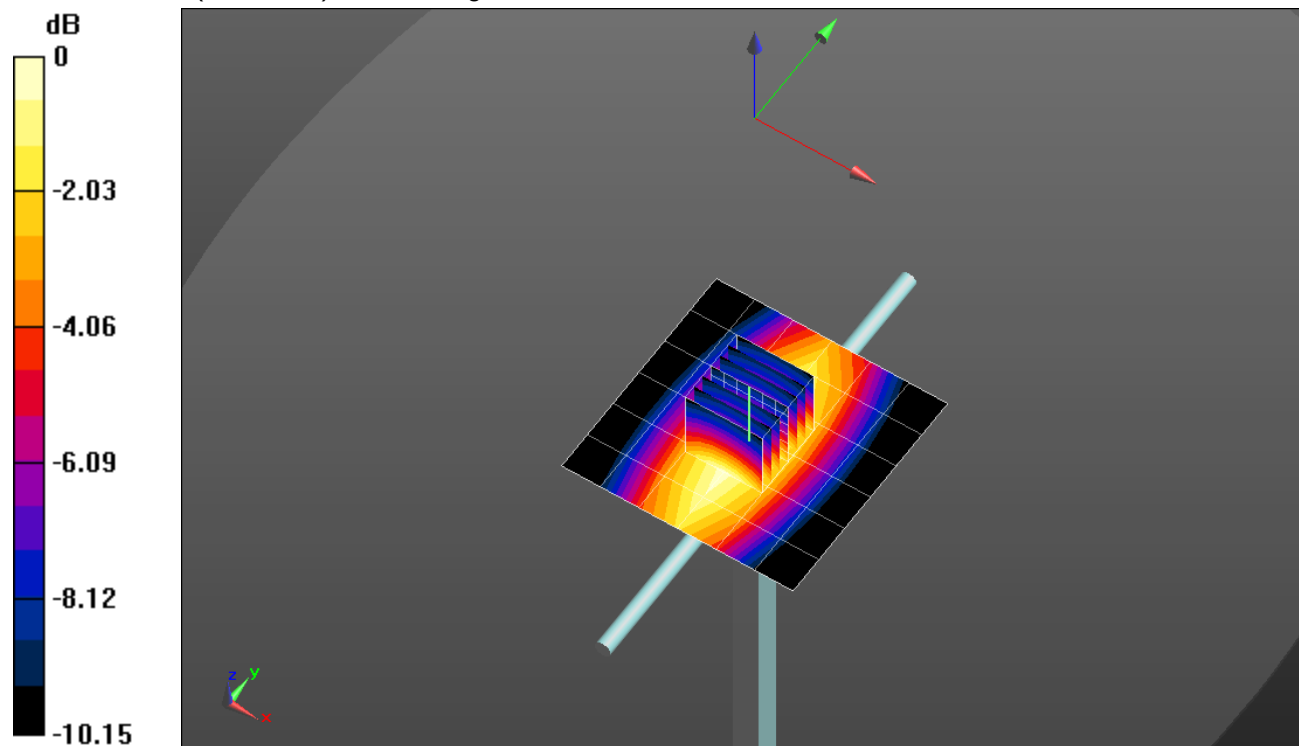
**Body/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 33.42 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 1.35 W/kg

**SAR(1 g) = 0.903 W/kg; SAR(10 g) = 0.596 W/kg**

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



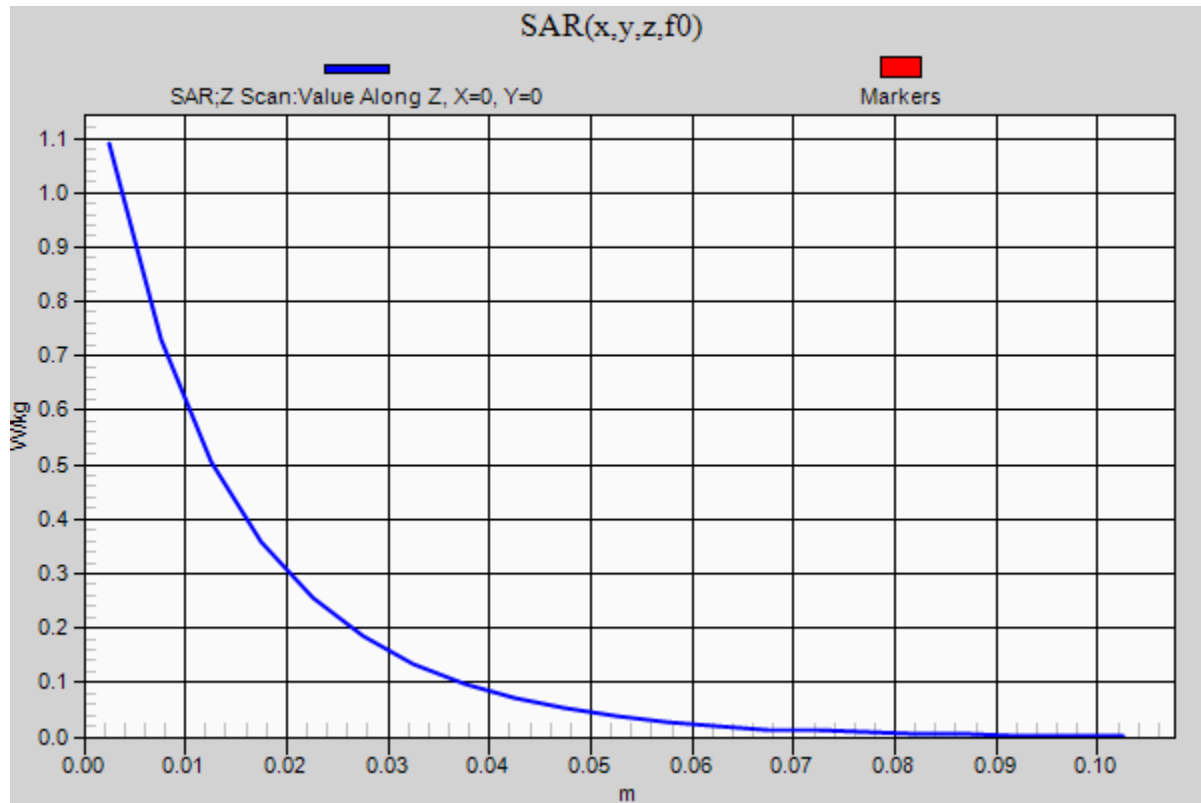
0 dB = 1.10 W/kg = 0.41 dBW/kg

**20180807 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) = 1.09 W/kg



**20180808 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;  $\sigma = 1.891$  S/m;  $\epsilon_r = 38.693$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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: 4/13/2018
- Probe: EX3DV4 - SN3885; ConvF(7.05, 7.05, 7.05) @ 2600 MHz; Calibrated: 10/24/2017
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V8.0 (20deg probe tilt); Type: QD 000 P41 AA; Serial: 1957

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

Maximum value of SAR (measured) = 8.14 W/kg

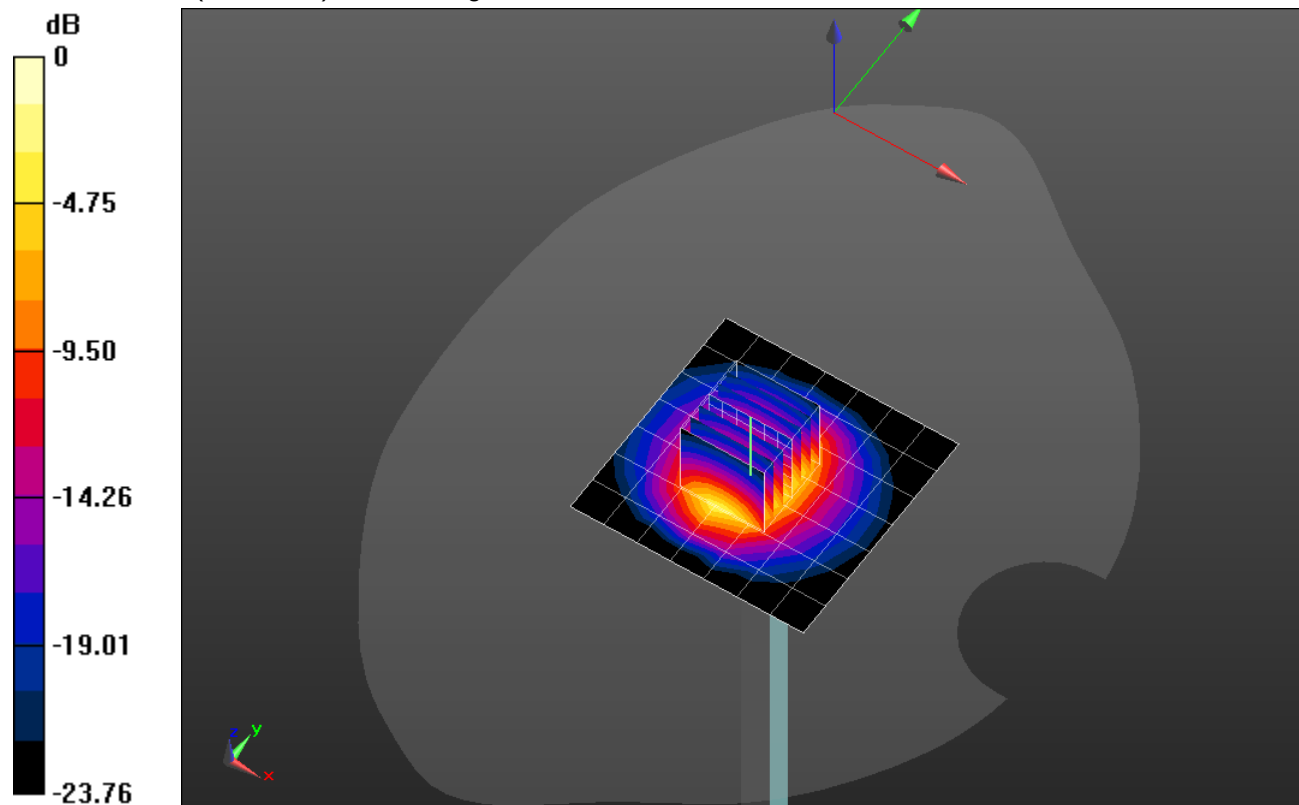
**Head/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 66.55 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 12.9 W/kg

**SAR(1 g) = 5.94 W/kg; SAR(10 g) = 2.66 W/kg**

Maximum value of SAR (measured) = 8.60 W/kg



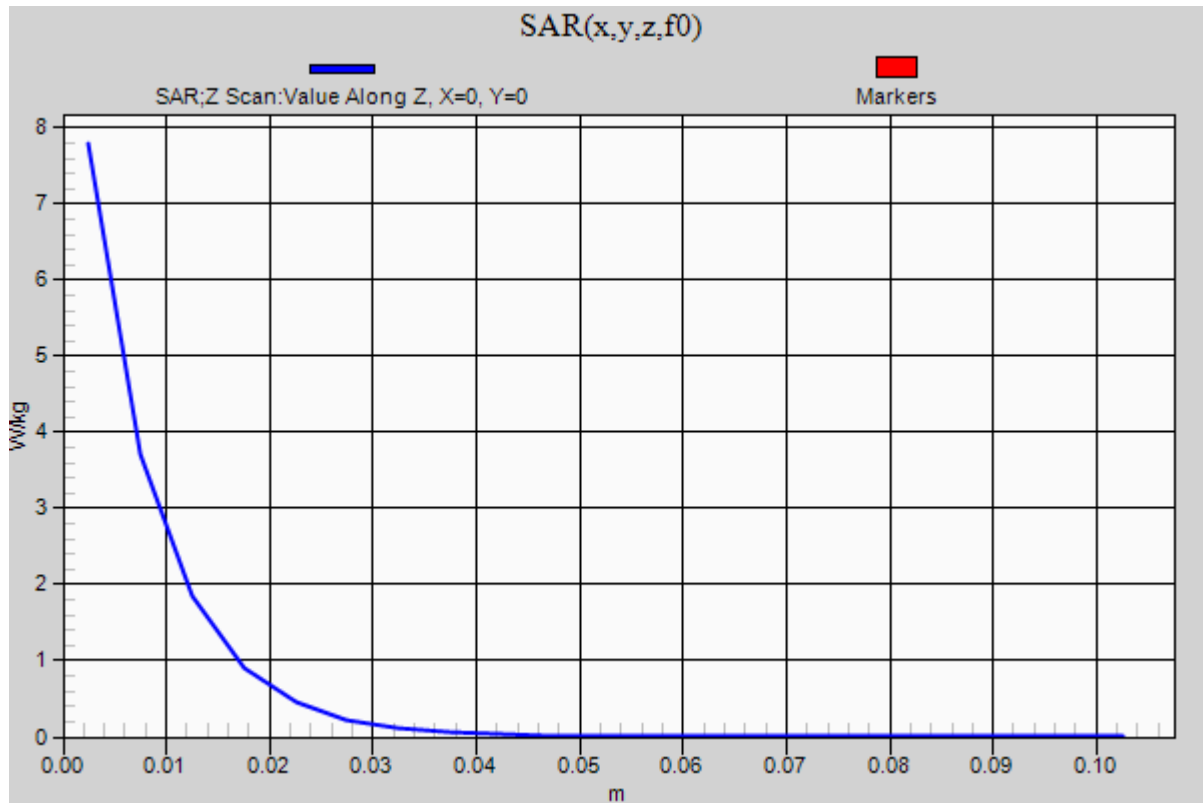
0 dB = 8.60 W/kg = 9.34 dBW/kg

**20180808 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) = 7.79 W/kg



**20180813 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;  $\sigma = 1.538$  S/m;  $\epsilon_r = 51.493$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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: 4/13/2018
- Probe: EX3DV4 - SN3885; ConvF(7.81, 7.81, 7.81) @ 1900 MHz; Calibrated: 10/24/2017
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI V8.0 (20deg probe tilt) Front; Type: QD OVA 004 AA; Serial: 2081

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

Maximum value of SAR (measured) = 5.23 W/kg

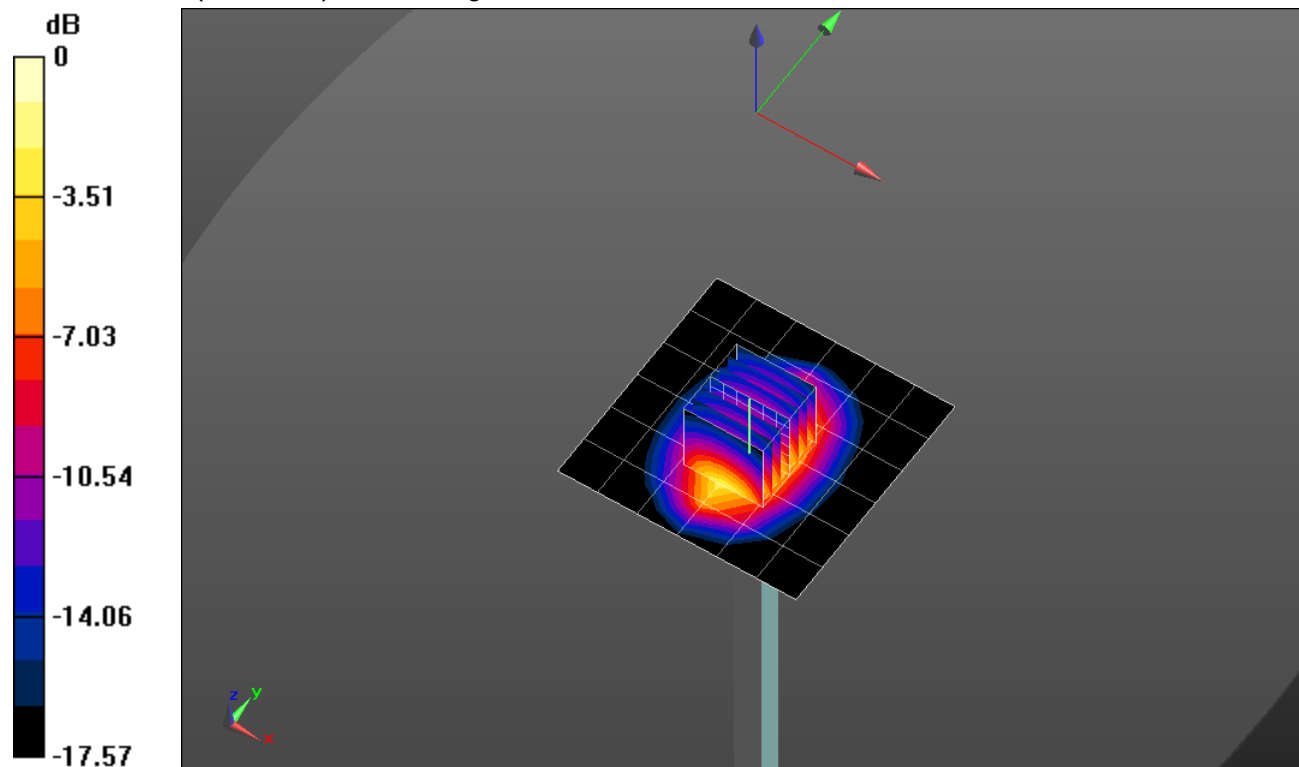
**Body/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 59.18 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 7.49 W/kg

**SAR(1 g) = 4.08 W/kg; SAR(10 g) = 2.12 W/kg**

Maximum value of SAR (measured) = 5.52 W/kg



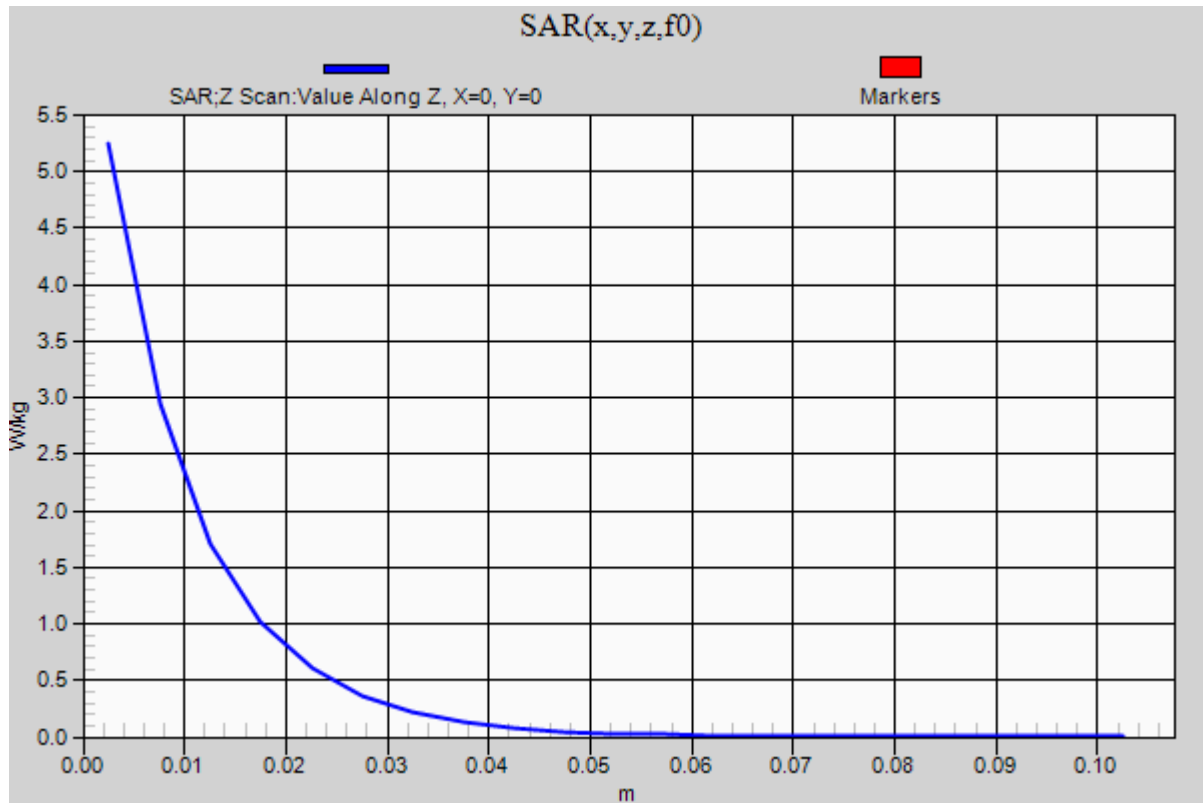
0 dB = 5.52 W/kg = 7.42 dBW/kg

**20180813 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) = 5.25 W/kg



**20180814\_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;  $\sigma = 5.168$  S/m;  $\epsilon_r = 35.976$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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: 4/13/2018
- Probe: EX3DV4 - SN3885; ConvF(4.8, 4.8, 4.8) @ 5750 MHz; Calibrated: 10/24/2017
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V8.0 (20deg probe tilt); Type: QD 000 P41 AA; Serial: 1957

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

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

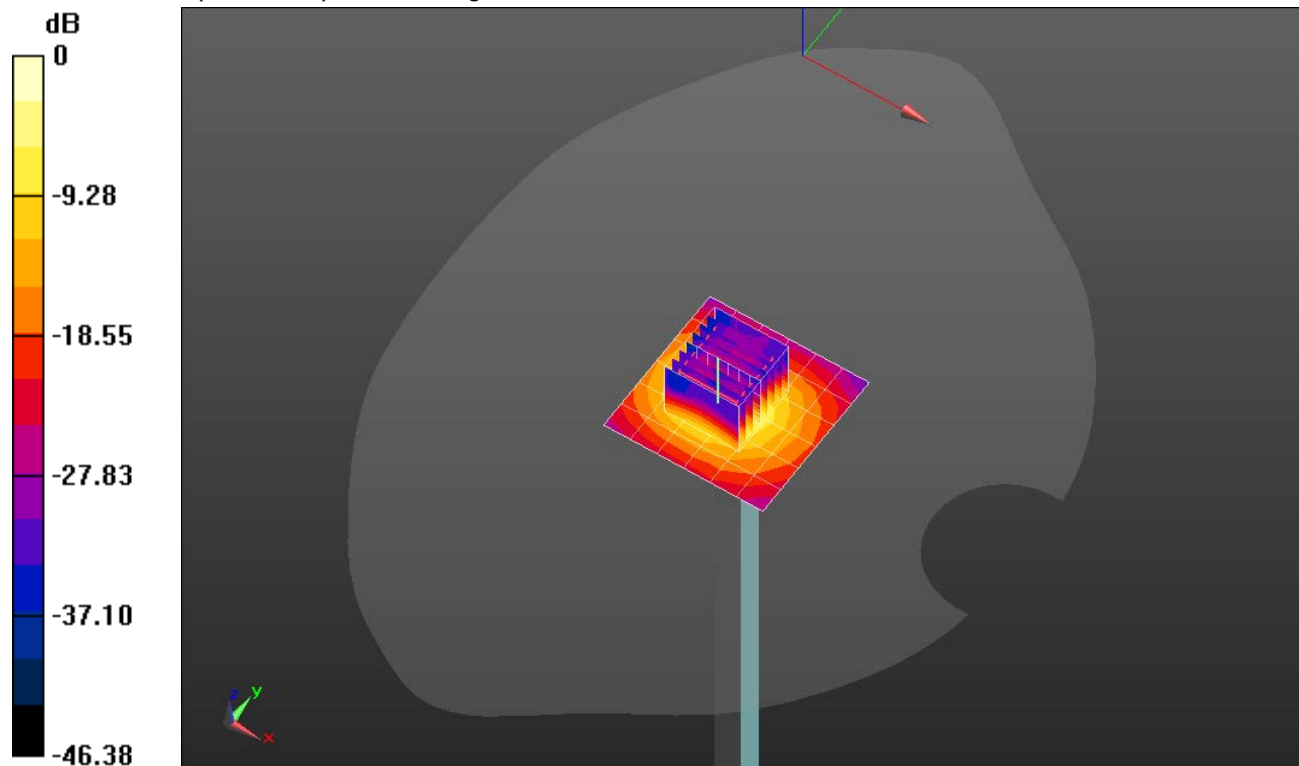
**Head/5.75 GHz, Pin=100mW/Zoom Scan (8x8x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 51.14 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 35.4 W/kg

**SAR(1 g) = 7.94 W/kg; SAR(10 g) = 2.29 W/kg**

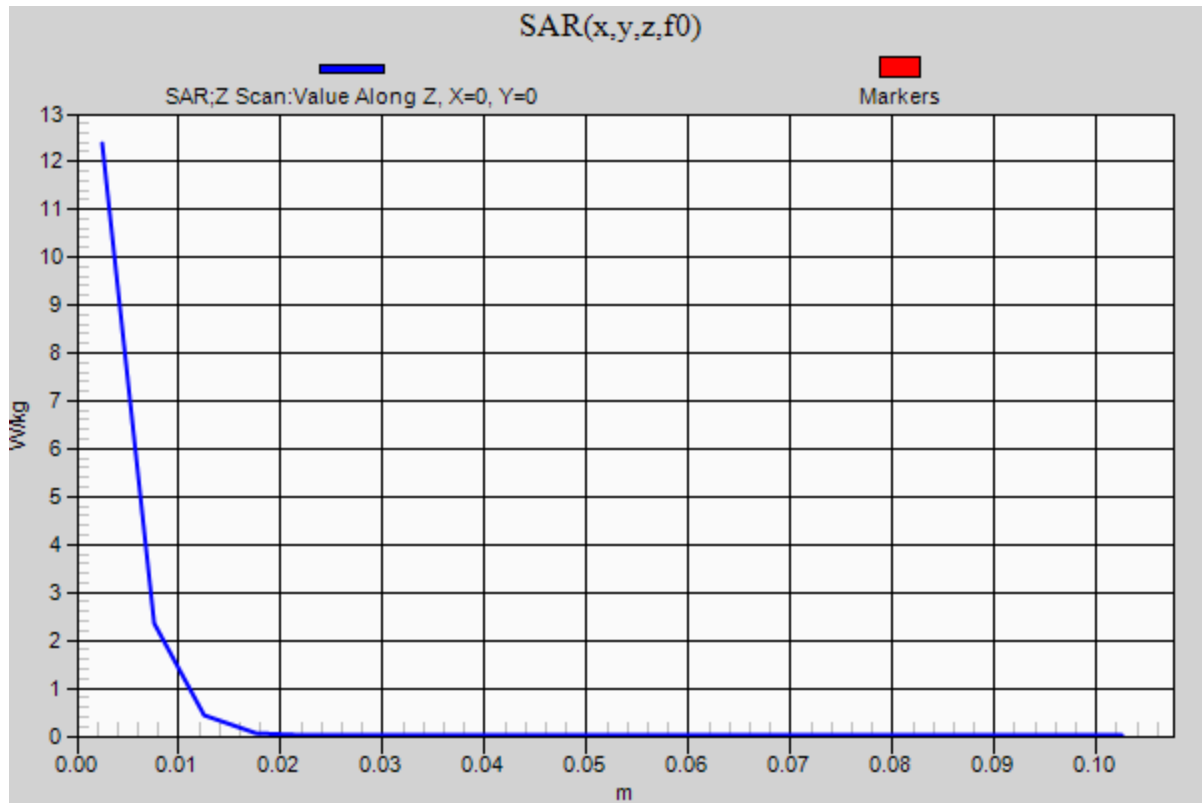
Maximum value of SAR (measured) = 19.5 W/kg



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

**20180814\_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) = 12.4 W/kg

**20180814\_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;  $\sigma = 5.304$  S/m;  $\epsilon_r = 47.07$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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: 4/13/2018
- Probe: EX3DV4 - SN3885; ConvF(4.67, 4.67, 4.67) @ 5250 MHz; Calibrated: 10/24/2017
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI V8.0 (20deg probe tilt) Front; Type: QD OVA 004 AA; Serial: 2081

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

Maximum value of SAR (measured) = 15.2 W/kg

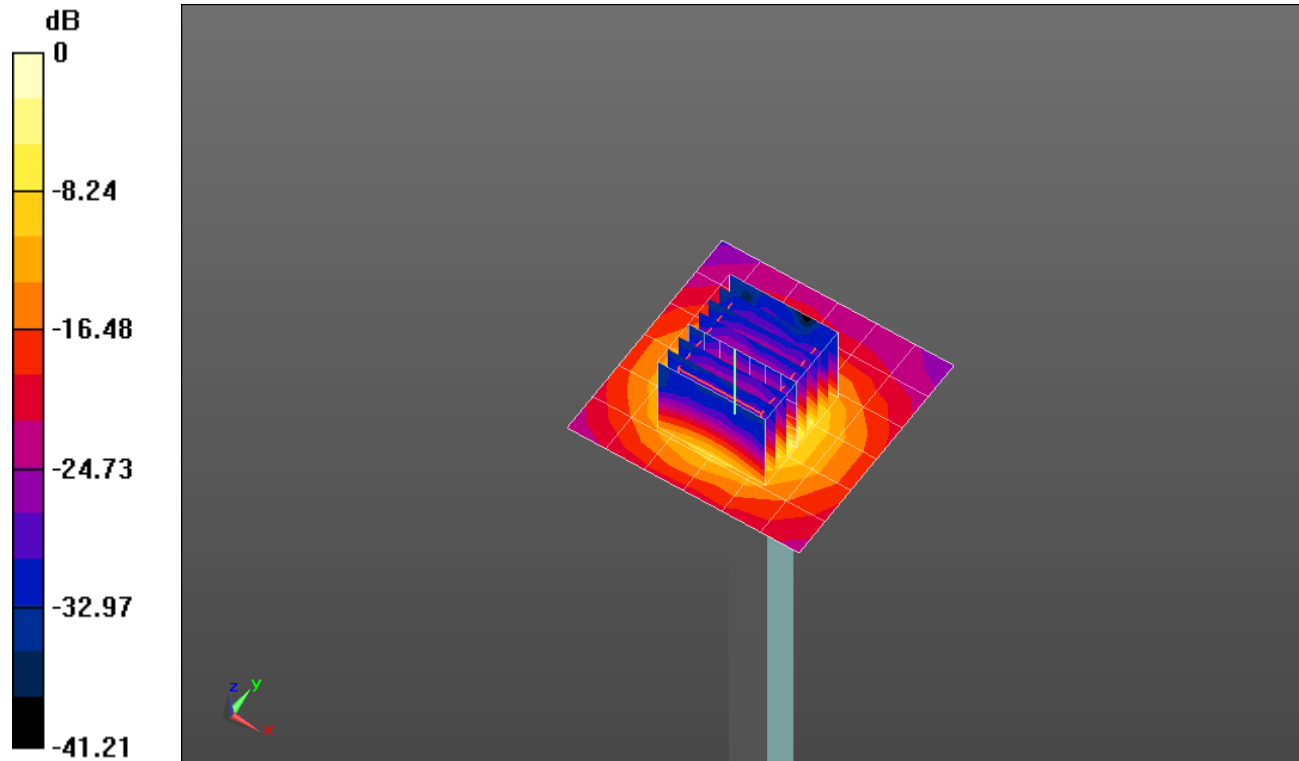
**Body/5.25 GHz, Pin=100mW/Zoom Scan (8x8x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 46.49 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 34.9 W/kg

**SAR(1 g) = 7.95 W/kg; SAR(10 g) = 2.24 W/kg**

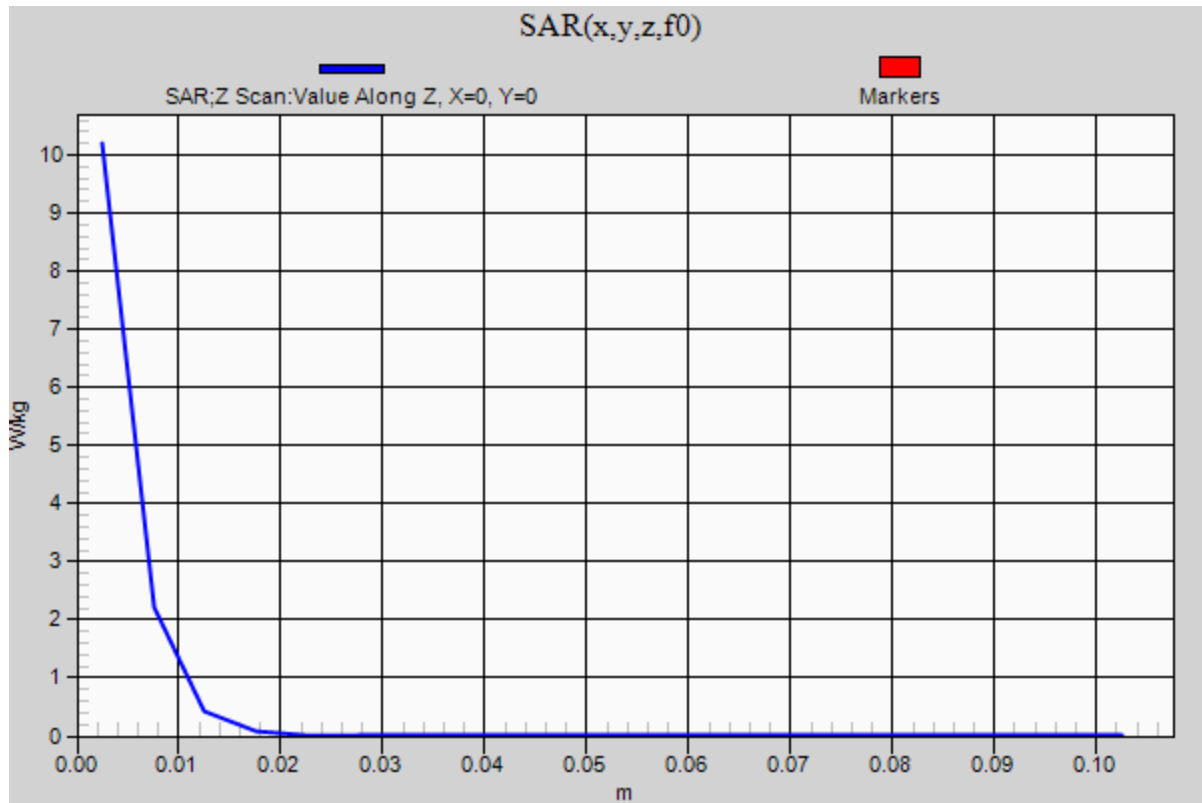
Maximum value of SAR (measured) = 18.6 W/kg



0 dB = 18.6 W/kg = 12.70 dBW/kg

**20180814\_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) = 10.2 W/kg

**20180814\_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;  $\sigma = 5.787$  S/m;  $\epsilon_r = 46.45$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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: 4/13/2018
- Probe: EX3DV4 - SN3885; ConvF(4.08, 4.08, 4.08) @ 5600 MHz; Calibrated: 10/24/2017
- Sensor-Surface: 1.4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI V8.0 (20deg probe tilt) Front; Type: QD OVA 004 AA; Serial: 2081

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

Maximum value of SAR (measured) = 13.6 W/kg

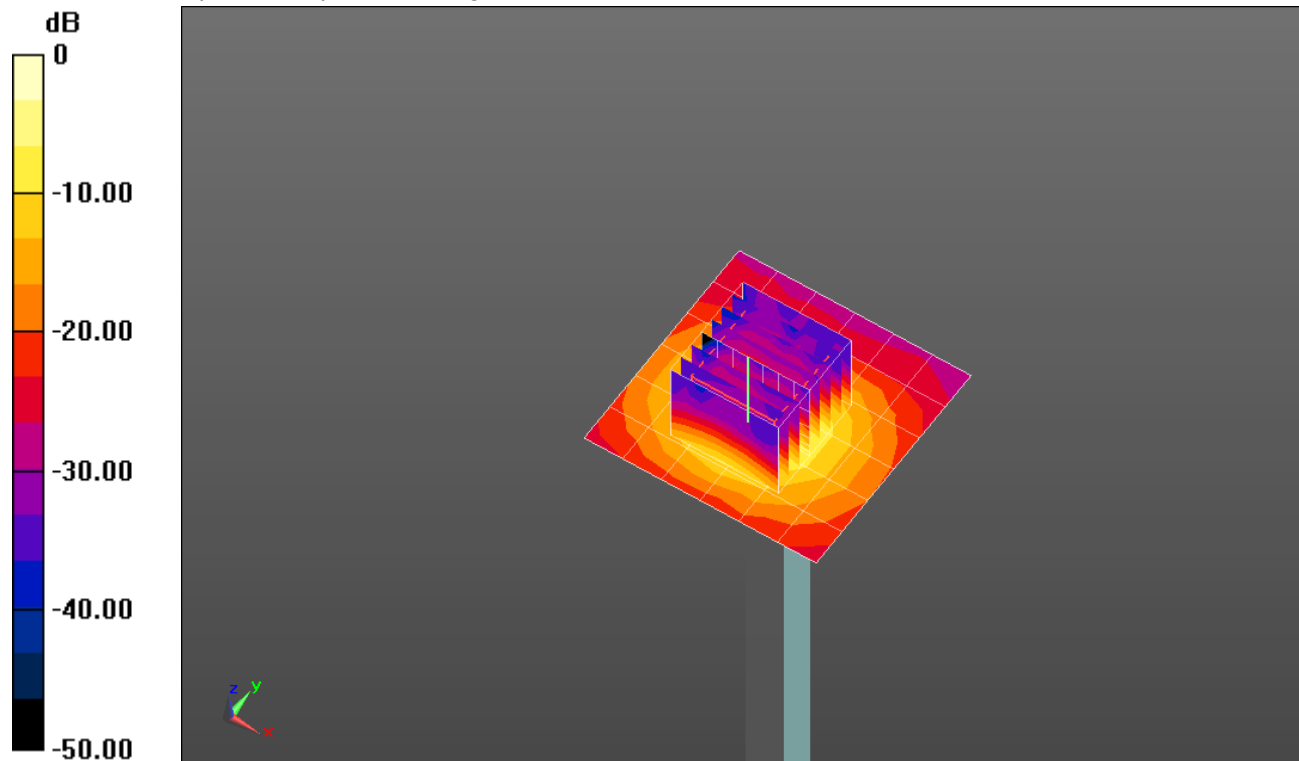
**Body/5.6 GHz, Pin=100mW/Zoom Scan (8x8x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 46.07 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 39.3 W/kg

**SAR(1 g) = 8.41 W/kg; SAR(10 g) = 2.35 W/kg**

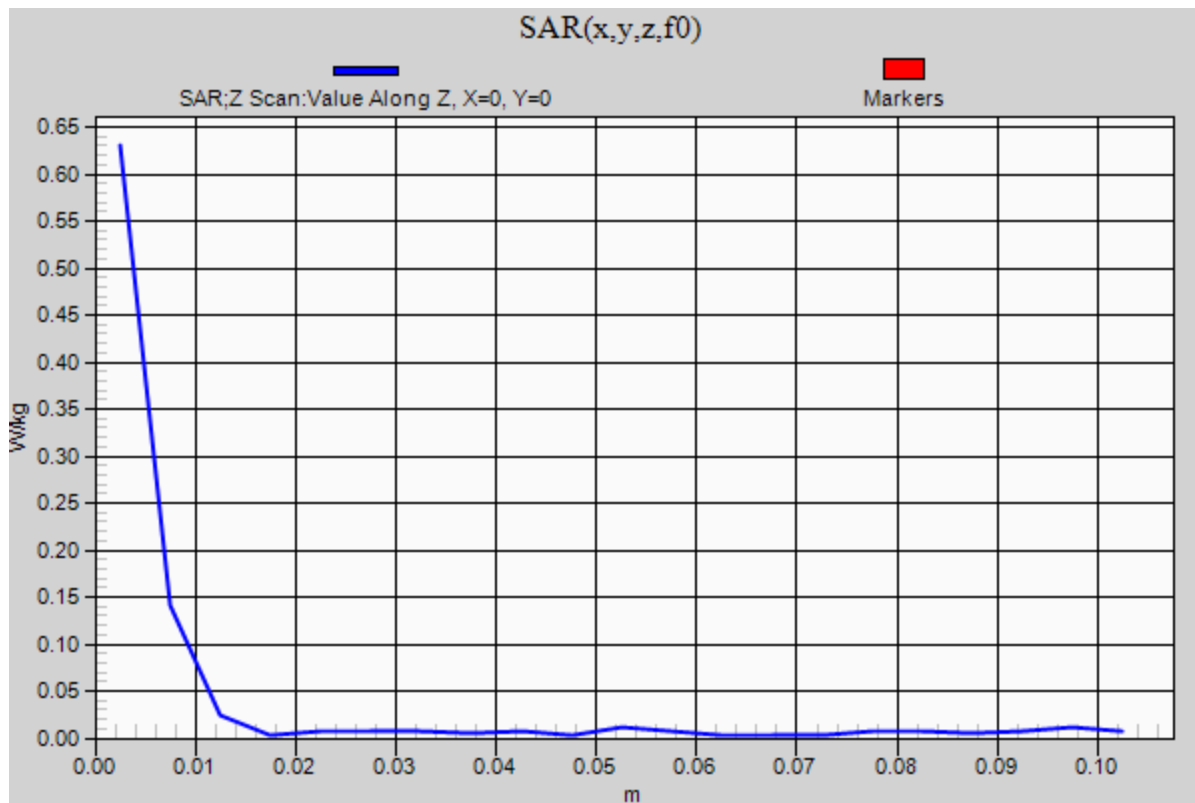
Maximum value of SAR (measured) = 20.5 W/kg



0 dB = 20.5 W/kg = 13.12 dBW/kg

**20180814\_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) = 0.630 W/kg

**08202018\_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;  $\sigma = 1.996$  S/m;  $\epsilon_r = 51.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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: 4/13/2018
- Probe: EX3DV4 - SN3885; ConvF(7.46, 7.46, 7.46) @ 2450 MHz; Calibrated: 10/24/2017
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI V8.0 (20deg probe tilt) Front; Type: QD OVA 004 AA; Serial: 2081

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

Maximum value of SAR (measured) = 5.26 W/kg

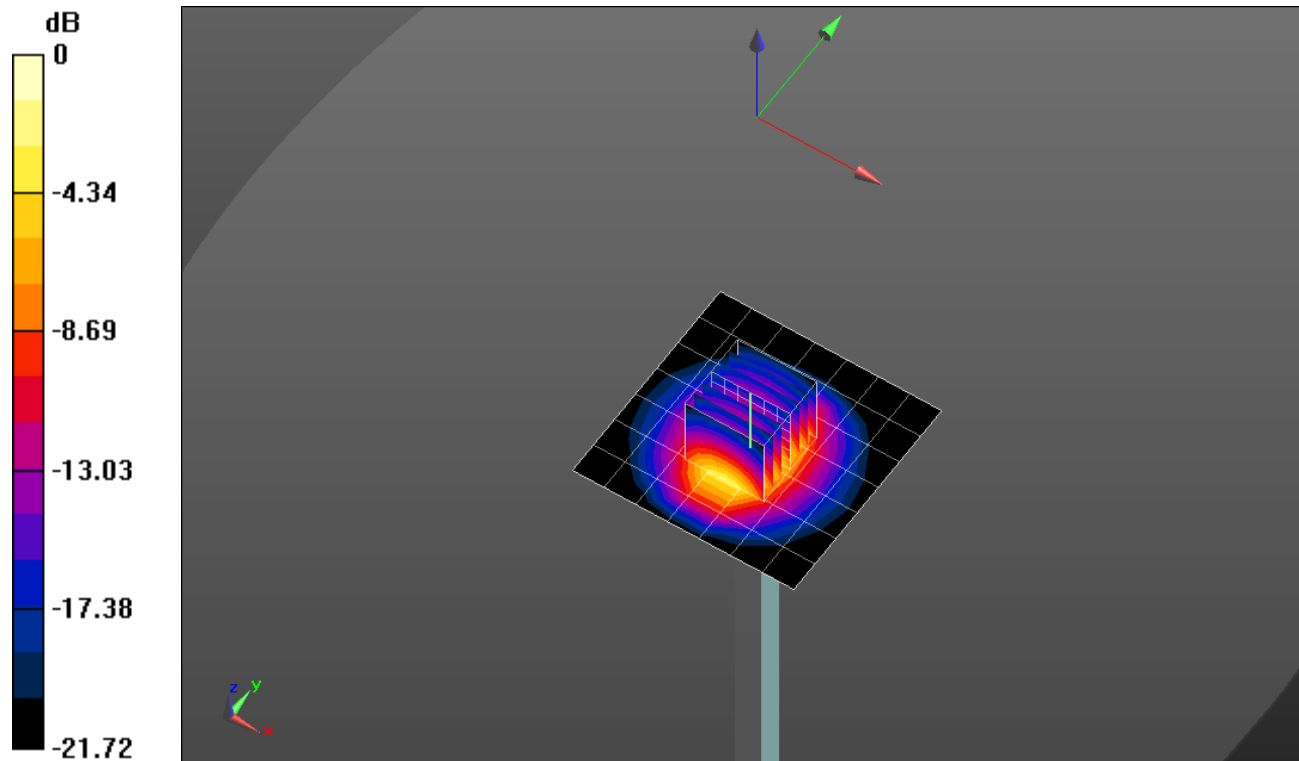
**Body/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 59.30 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 10.5 W/kg

**SAR(1 g) = 5.07 W/kg; SAR(10 g) = 2.35 W/kg**

Maximum value of SAR (measured) = 7.21 W/kg



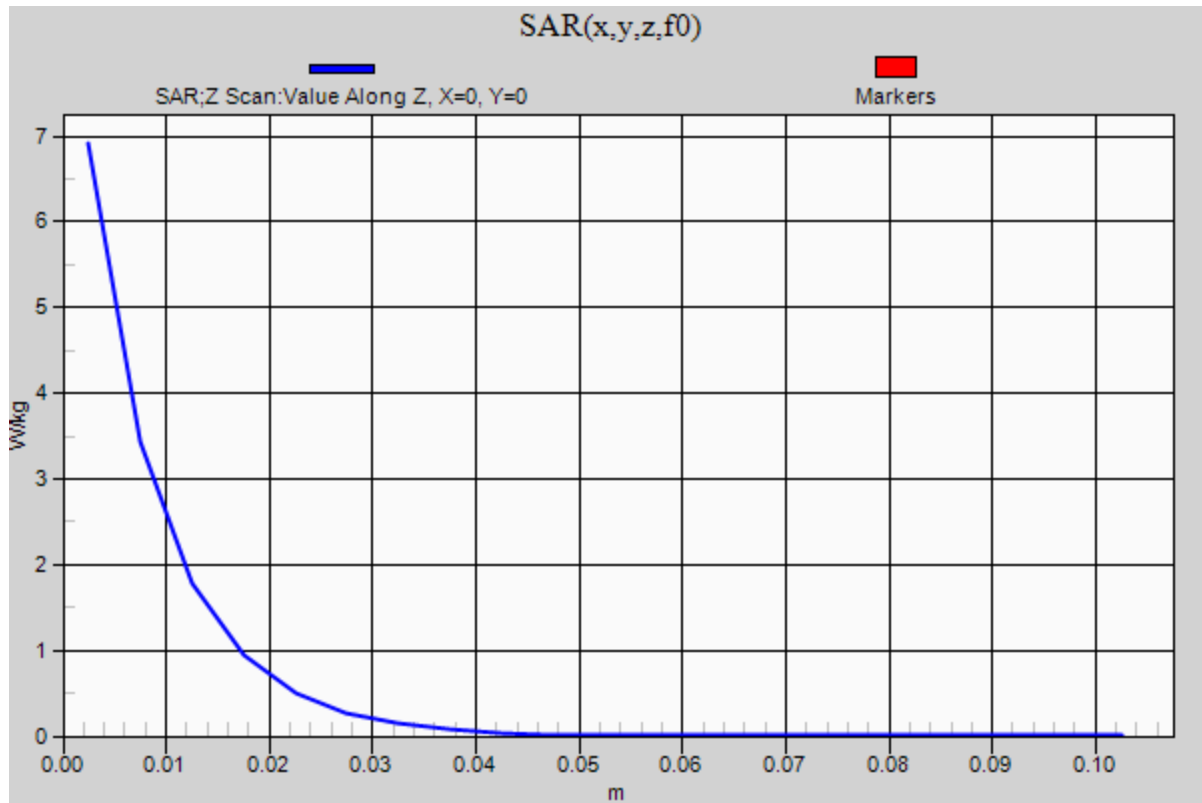
0 dB = 7.21 W/kg = 8.58 dBW/kg

**08202018\_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) = 6.91 W/kg



**20180827\_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;  $\sigma = 1.51$  S/m;  $\epsilon_r = 51.965$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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 - SN7500; ConvF(8.3, 8.3, 8.3) @ 1750 MHz; Calibrated: 5/4/2018
- 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) = 5.27 W/kg

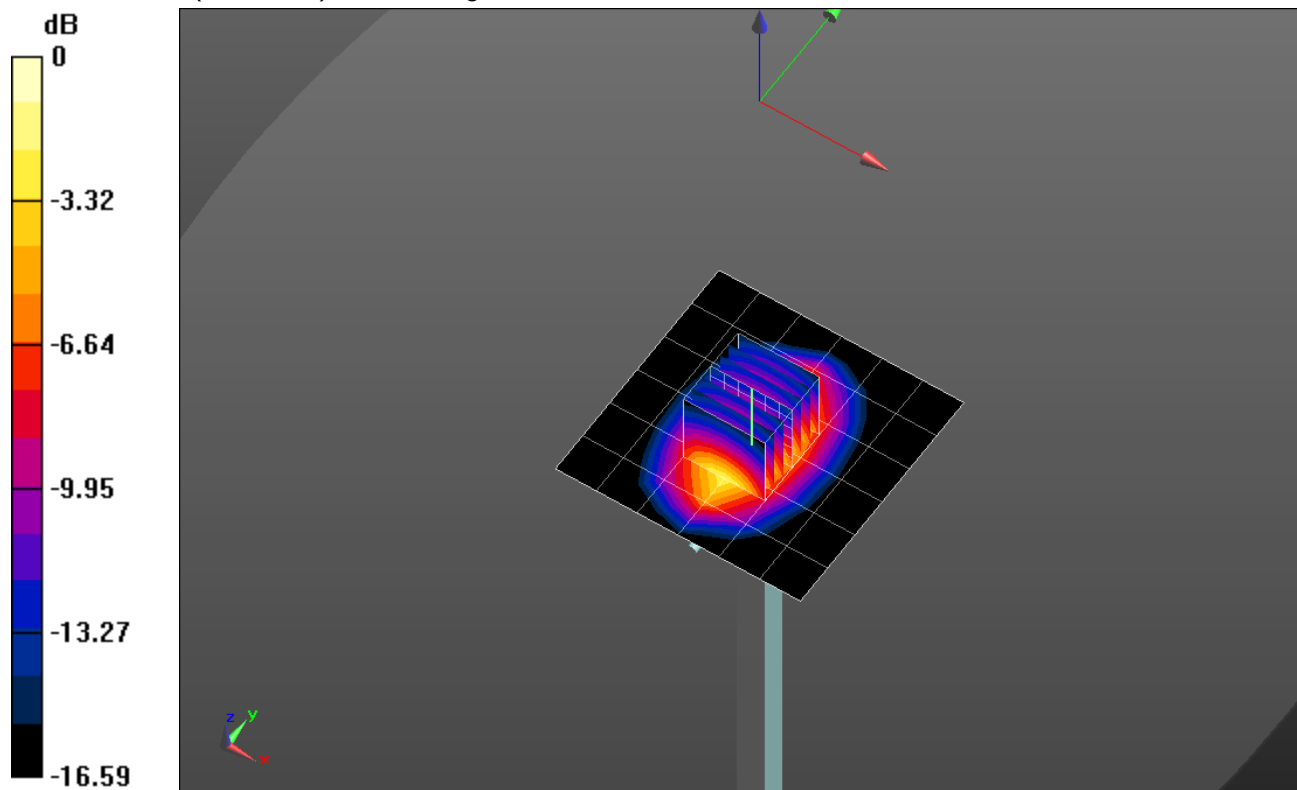
**Body/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 59.72 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 7.12 W/kg

**SAR(1 g) = 3.96 W/kg; SAR(10 g) = 2.1 W/kg**

Maximum value of SAR (measured) = 5.28 W/kg



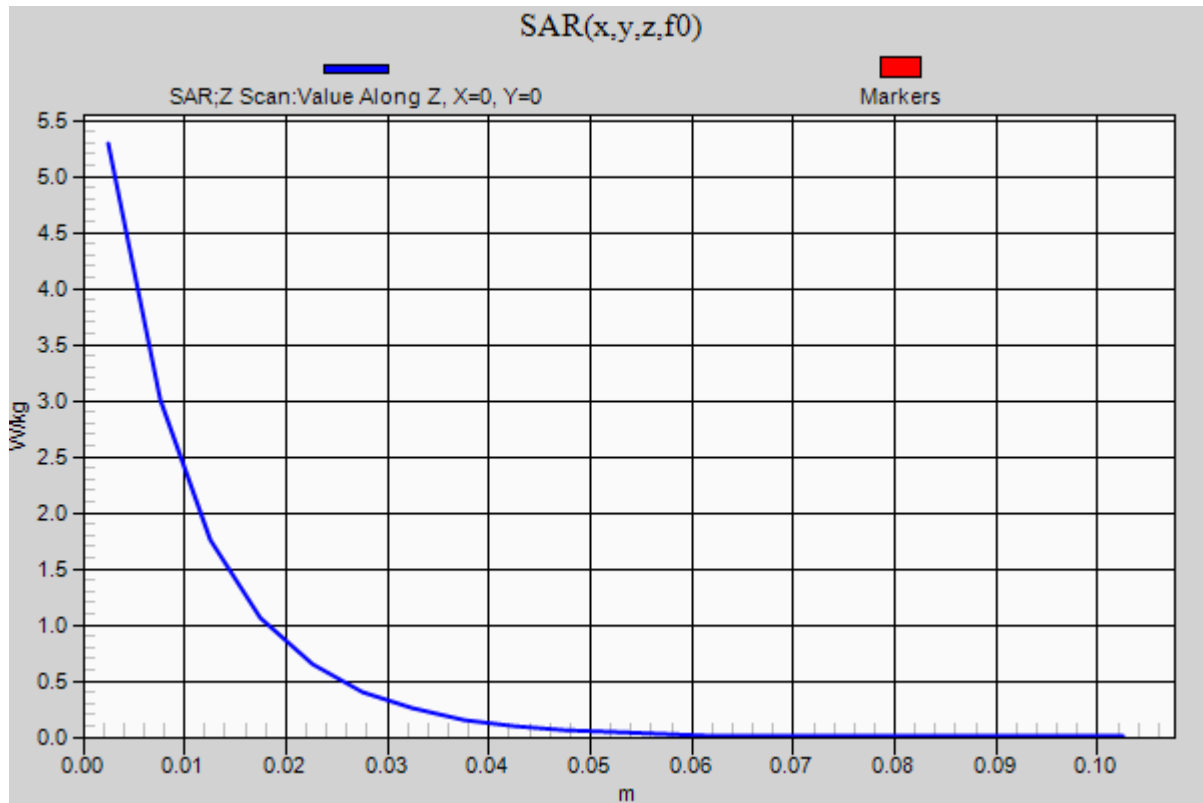
0 dB = 5.28 W/kg = 7.23 dBW/kg

**20180827\_SystemPerformanceCheck-D1750V2 SN 1077**

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) = 5.29 W/kg



**20180827\_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;  $\sigma = 1.558$  S/m;  $\epsilon_r = 53.972$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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 - SN7500; ConvF(7.91, 7.91, 7.91) @ 1900 MHz; Calibrated: 5/4/2018
- 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) = 5.70 W/kg

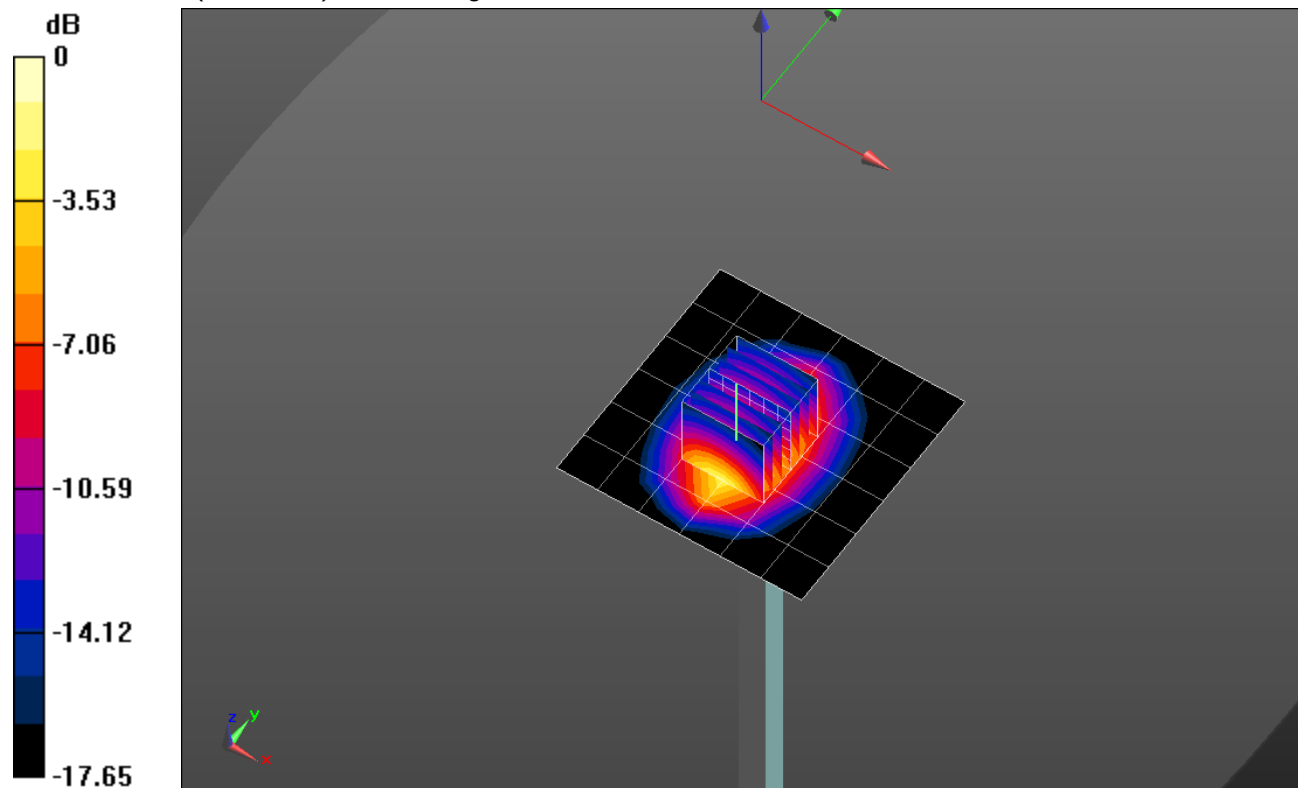
**Body/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 61.32 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 7.87 W/kg

**SAR(1 g) = 4.31 W/kg; SAR(10 g) = 2.23 W/kg**

Maximum value of SAR (measured) = 5.56 W/kg



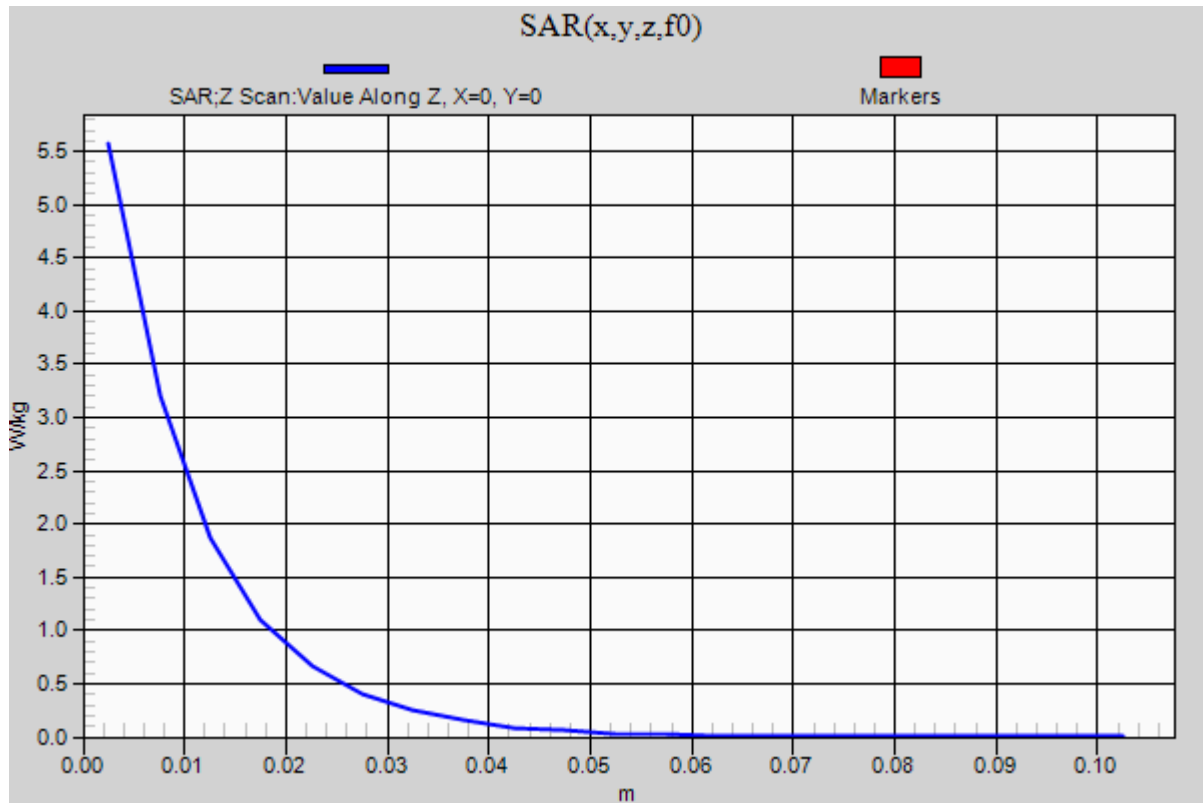
0 dB = 5.56 W/kg = 7.45 dBW/kg

**20180827\_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) = 5.57 W/kg



**20180827\_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;  $\sigma = 0.978$  S/m;  $\epsilon_r = 55.316$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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: 5/22/2018
- Probe: EX3DV4 - SN7501; ConvF(10.09, 10.09, 10.09); Calibrated: 5/4/2018;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI B v5.0; Type: QD OVA 002 AA; Serial: 1216

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

Maximum value of SAR (measured) = 1.20 W/kg

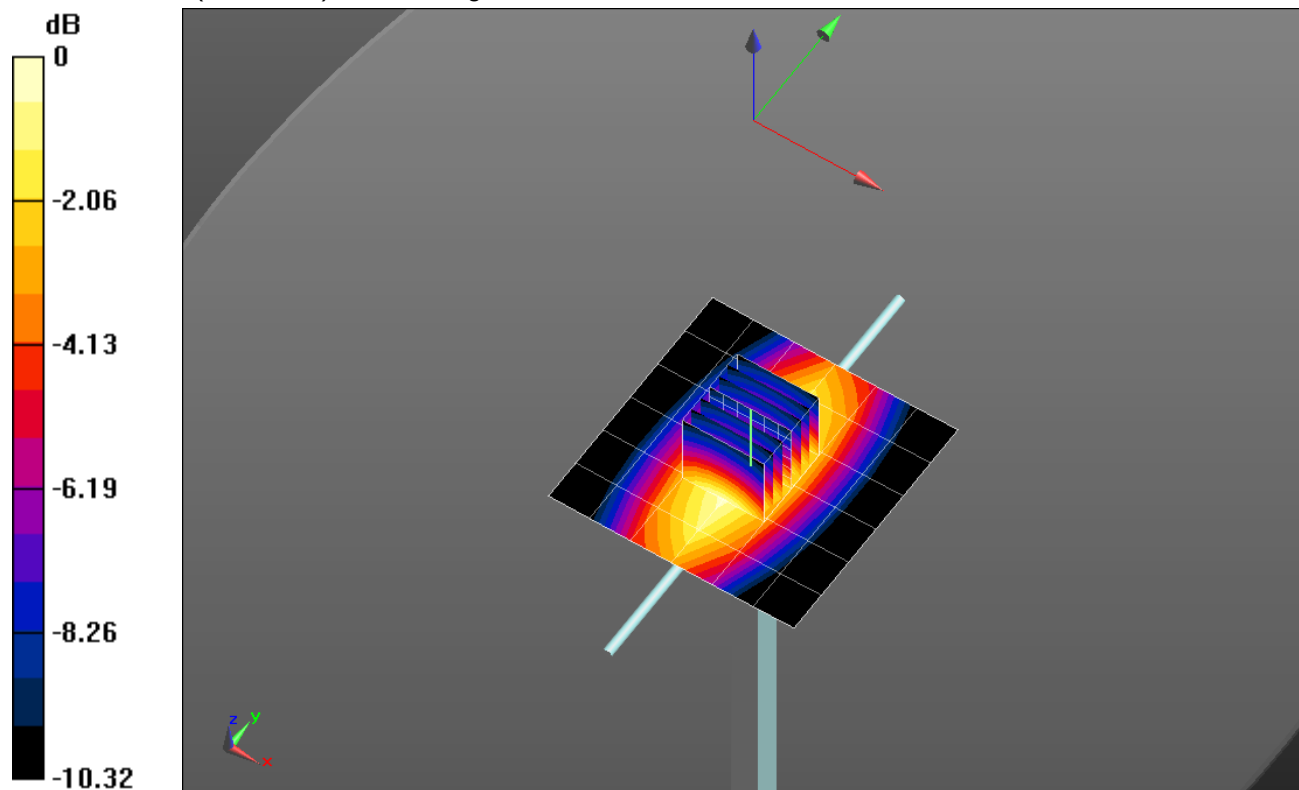
**Body/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 35.66 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.48 W/kg

**SAR(1 g) = 0.996 W/kg; SAR(10 g) = 0.655 W/kg**

Maximum value of SAR (measured) = 1.21 W/kg



0 dB = 1.21 W/kg = 0.83 dBW/kg

**20180827\_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) = 1.20 W/kg

