

2022-04-06 SystemPerformanceCheck-D2450V2 SN 963

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

Medium parameters used: $f = 2450$ MHz; $\sigma = 1.816$ S/m; $\epsilon_r = 37.12$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1439; Calibrated: 8/11/2021
- Probe: EX3DV4 - SN7569; ConvF(7.61, 7.61, 7.61); Calibrated: 4/26/2021;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI A v5.0; Type: QD OVA 002 AA; Serial: 1194

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

Maximum value of SAR (measured) = 5.93 W/kg

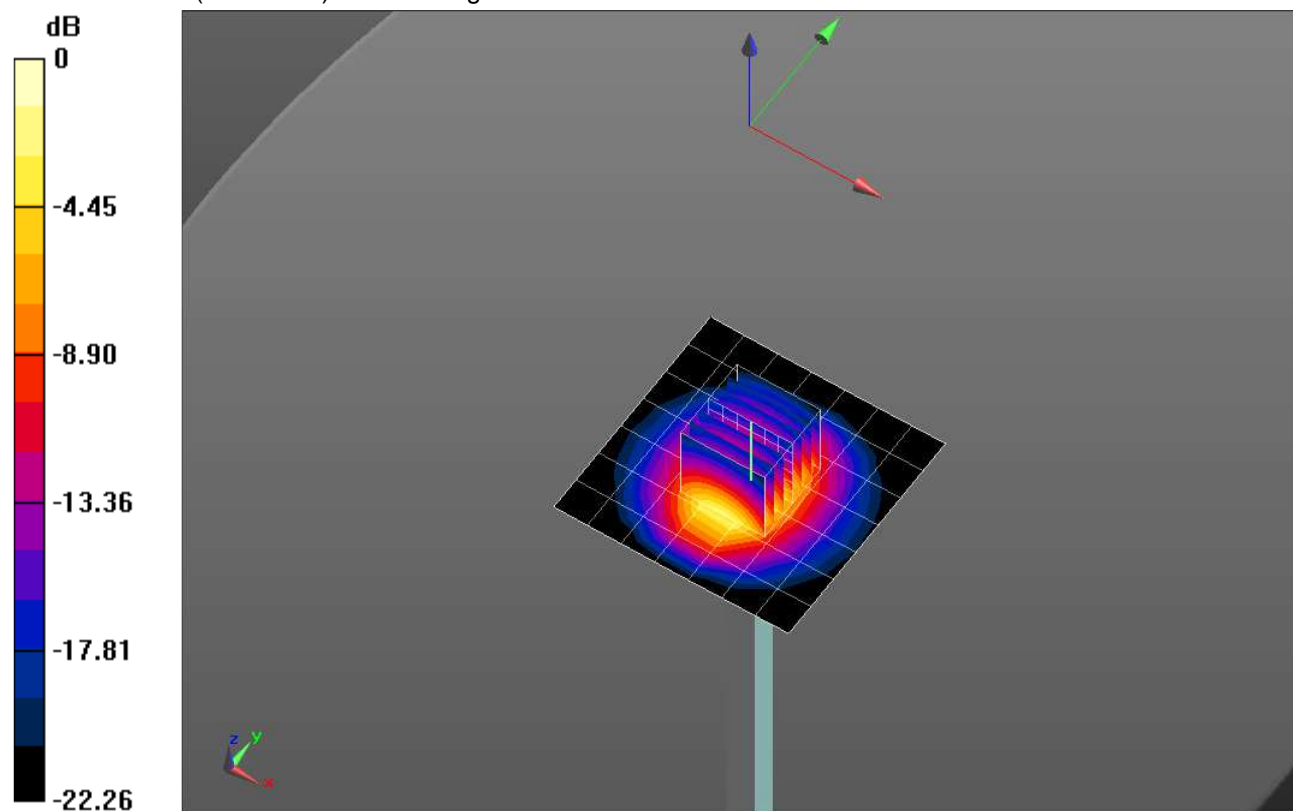
Head/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 64.485 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 10.9 W/kg

SAR(1 g) = 5.31 W/kg; SAR(10 g) = 2.48 W/kg

Maximum value of SAR (measured) = 7.47 W/kg



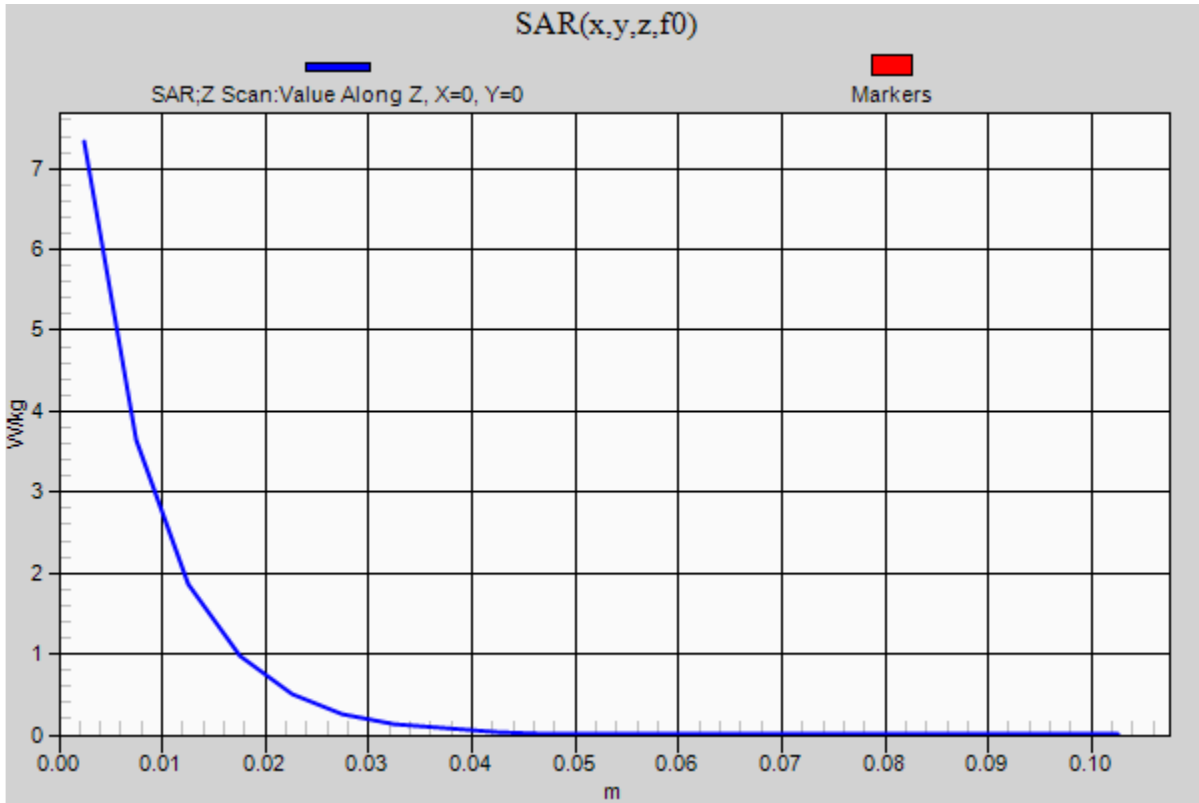
0 dB = 7.47 W/kg = 8.73 dBW/kg

2022-04-06 SystemPerformanceCheck-D2450V2 SN 963

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) = 7.33 W/kg



2022-04-11 SystemPerformanceCheck-D5GHzV2 SN 1213

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

Medium parameters used: $f = 5250$ MHz; $\sigma = 4.571$ S/m; $\epsilon_r = 36.075$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1439; Calibrated: 8/11/2021
- Probe: EX3DV4 - SN7569; ConvF(5.24, 5.24, 5.24); Calibrated: 4/26/2021;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI A v5.0; Type: QD OVA 002 AA; Serial: 1194

Head/5.2 GHz, Pin=19.95mW/Area Scan (7x7x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 3.02 W/kg

Head/5.2 GHz, Pin=19.95mW/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm,

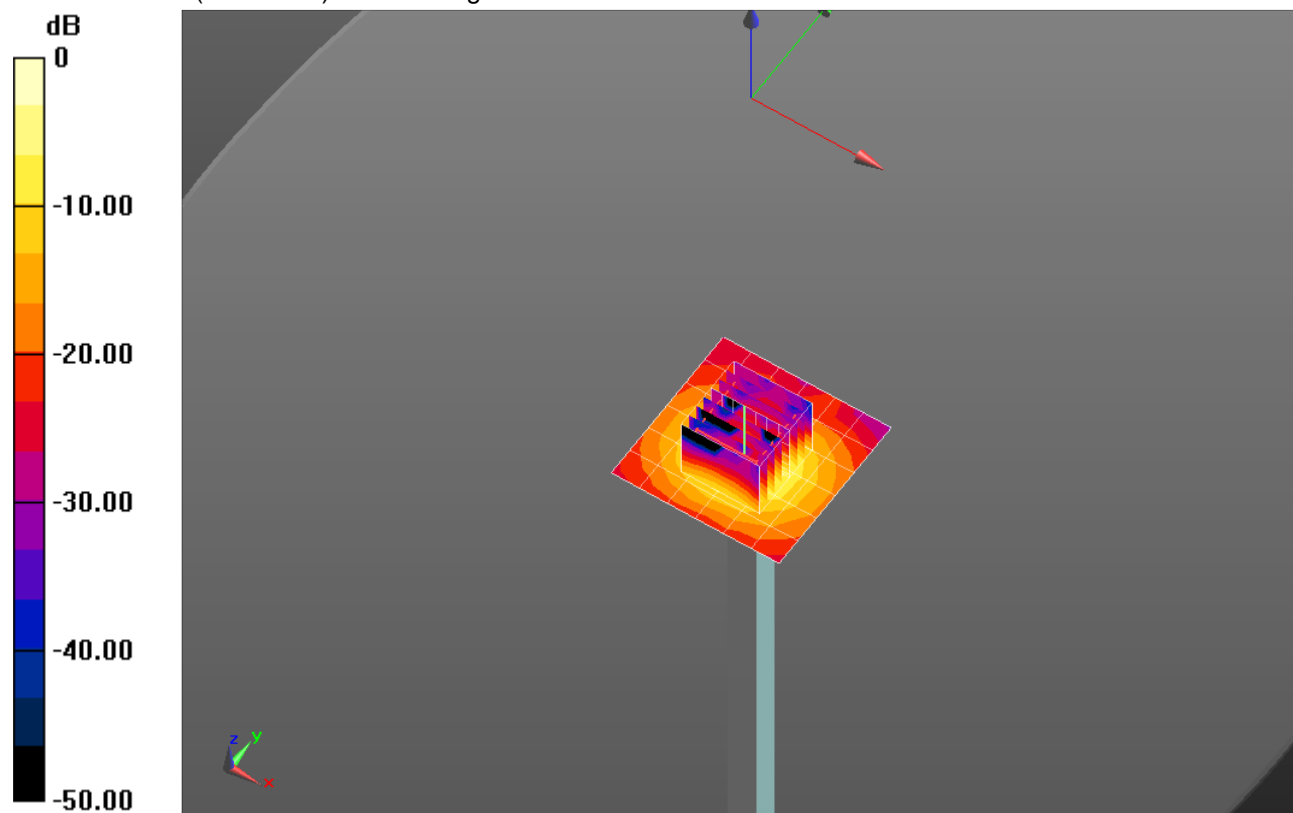
dz=1.4mm

Reference Value = 23.084 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 5.66 W/kg

SAR(1 g) = 1.44 W/kg; SAR(10 g) = 0.412 W/kg

Maximum value of SAR (measured) = 3.29 W/kg

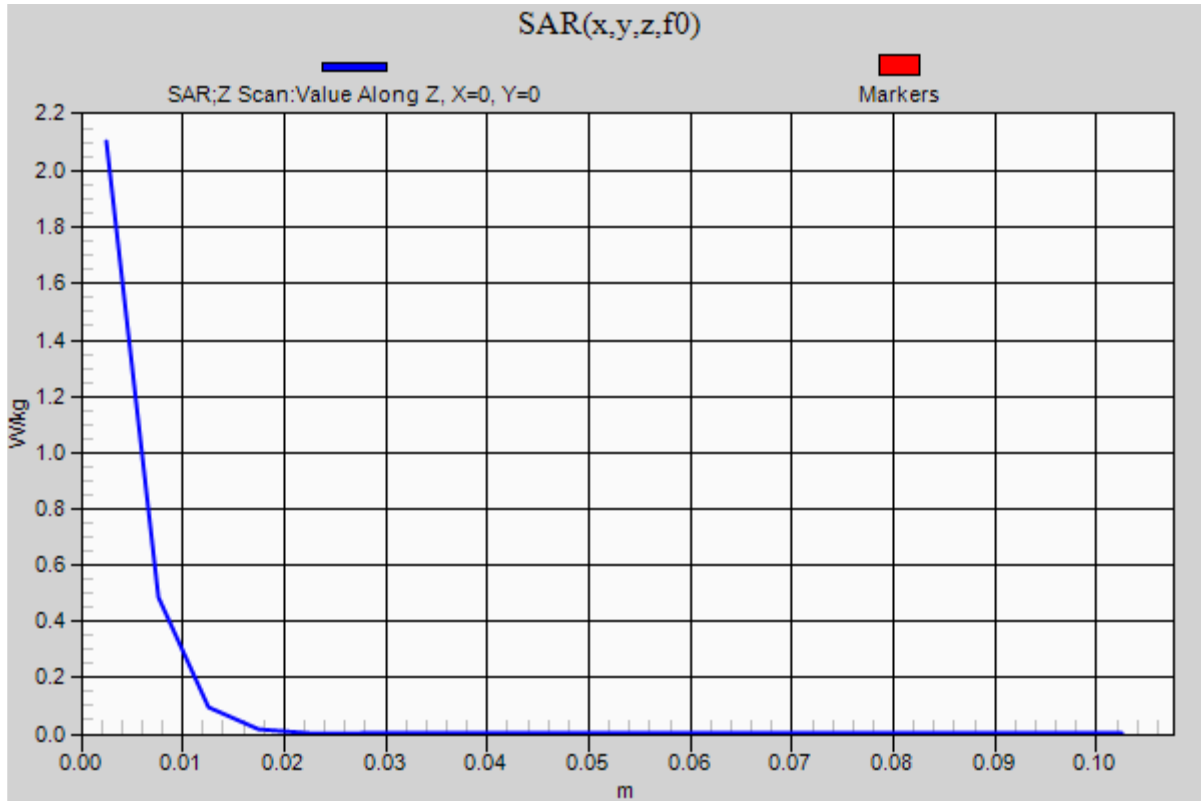


0 dB = 3.29 W/kg = 5.17 dBW/kg

2022-04-11 SystemPerformanceCheck-D5GHzV2 SN 1213

Frequency: 5250 MHz; Duty Cycle: 1:1

Head/5.2 GHz, Pin=19.95mW/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 2.11 W/kg



2022-04-14 SystemPerformanceCheck-D5GHzV2 SN 1213

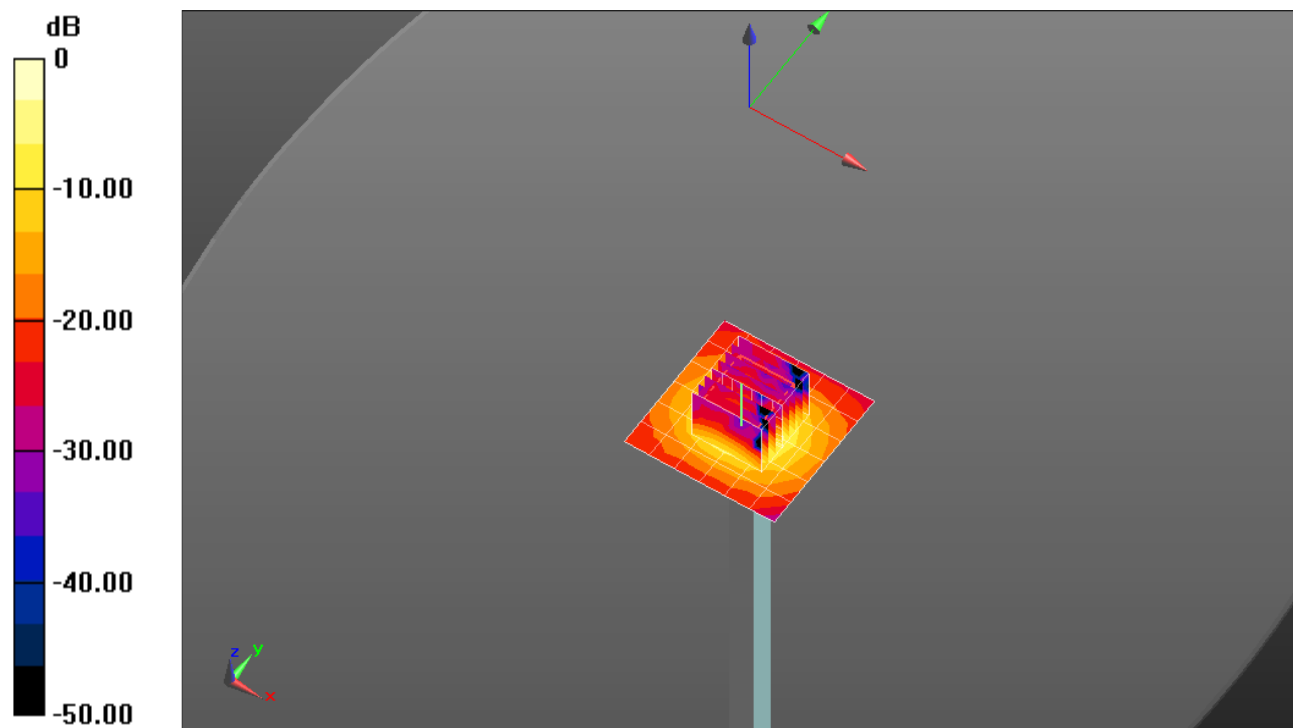
Frequency: 5250 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: $f = 5250$ MHz; $\sigma = 4.545$ S/m; $\epsilon_r = 36.36$; $\rho = 1000$ kg/m³

Dasy Configuration:

- Area Scan Setting: Find Secondary Maximum within 2.0 dB and with a peak SAR value greater than 0.0012 W/kg
- Electronics: DAE4 Sn1439; Calibrated: 2021-08-11
- Probe: EX3DV4 - SN3686; ConvF(5.15, 5.15, 5.15) @ 5250 MHz; Calibrated: 2022-01-18
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI A v5.0; Type: QD OVA 002 AA; Serial: 1194

Head/5.2 GHz, Pin=19.95mW/Area Scan (7x7x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 3.57 W/kg

Head/5.2 GHz, Pin=19.95mW/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 24.96 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 5.79 W/kg
SAR(1 g) = 1.48 W/kg; SAR(10 g) = 0.428 W/kg
Smallest distance from peaks to all points 3 dB below = 7.5 mm
Ratio of SAR at M2 to SAR at M1 = 66.1%
Maximum value of SAR (measured) = 3.45 W/kg

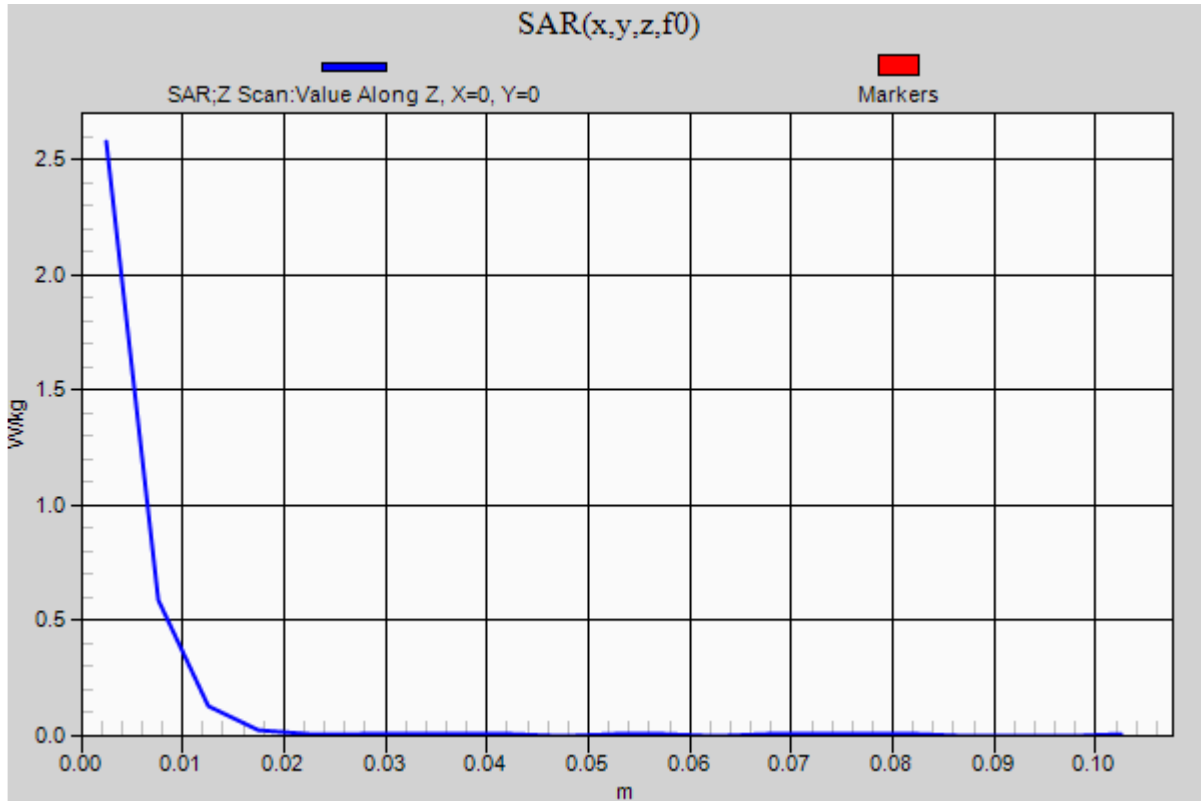


0 dB = 3.45 W/kg = 5.38 dBW/kg

2022-04-14 SystemPerformanceCheck-D5GHzV2 SN 1213

Frequency: 5250 MHz; Duty Cycle: 1:1

Head/5.2 GHz, Pin=19.95mW/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 2.58 W/kg



2022-04-26 SystemPerformanceCheck-D2450V2 SN 963

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

Medium parameters used: $f = 2450$ MHz; $\sigma = 1.87$ S/m; $\epsilon_r = 42.24$; $\rho = 1000$ 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 Sn1259; Calibrated: 8/19/2021
- Probe: EX3DV4 - SN3989; ConvF(8.04, 8.04, 8.04); Calibrated: 1/19/2022;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI A v5.0; Type: QD OVA 002 AA; Serial: 1194

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

Maximum value of SAR (measured) = 6.11 W/kg

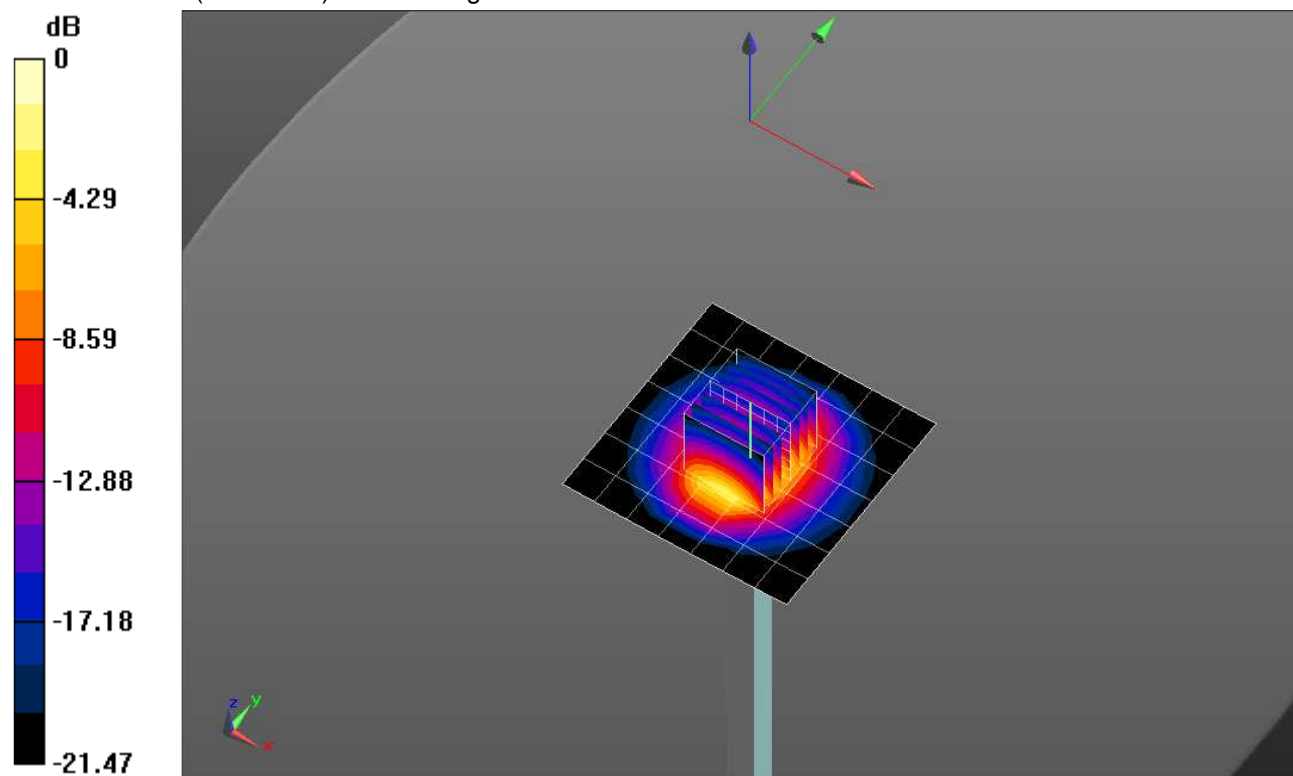
Head/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 64.032 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 10.9 W/kg

SAR(1 g) = 5.37 W/kg; SAR(10 g) = 2.51 W/kg

Maximum value of SAR (measured) = 7.61 W/kg

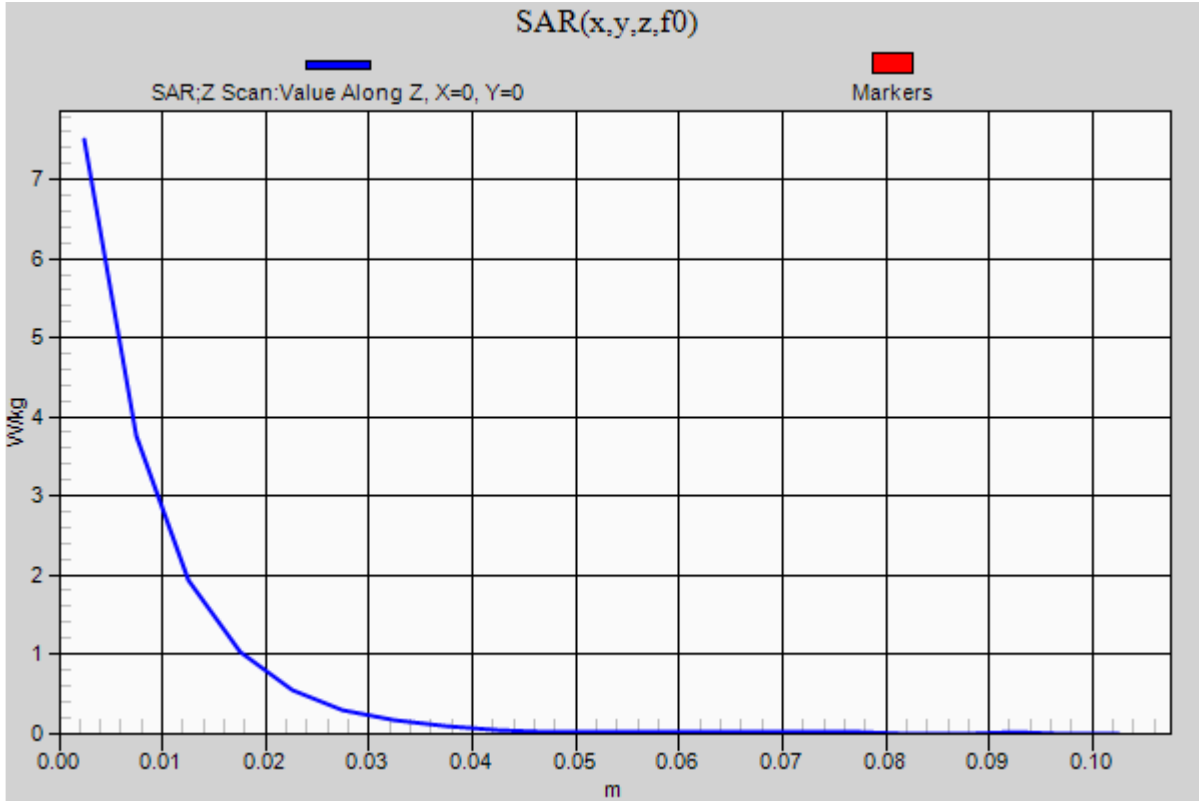


0 dB = 7.61 W/kg = 8.81 dBW/kg

2022-04-26 SystemPerformanceCheck-D2450V2 SN 963

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) = 7.50 W/kg



2022-05-09 SystemPerformanceCheck-D6.5GHzV2 SN1068

Summary

Dipole	D6.5GHzV2 - SN1068		
Frequency [MHz]	6500.0		
TSL	HSL	Dev. Peak [%]	-3.9
Power [dBm]	20.0	Iso. Error [%]	-1.9

Exposure Conditions

Band		TSL Permittivity	33.9
Frequency [MHz] Channel Number	6500.0 0	TSL Conductivity [S/m]	6.24
Group UID	0--	Phantom Section TSL	Flat HSL
Conversion Factor	5.7	Test Distance [mm]	

Hardware Setup

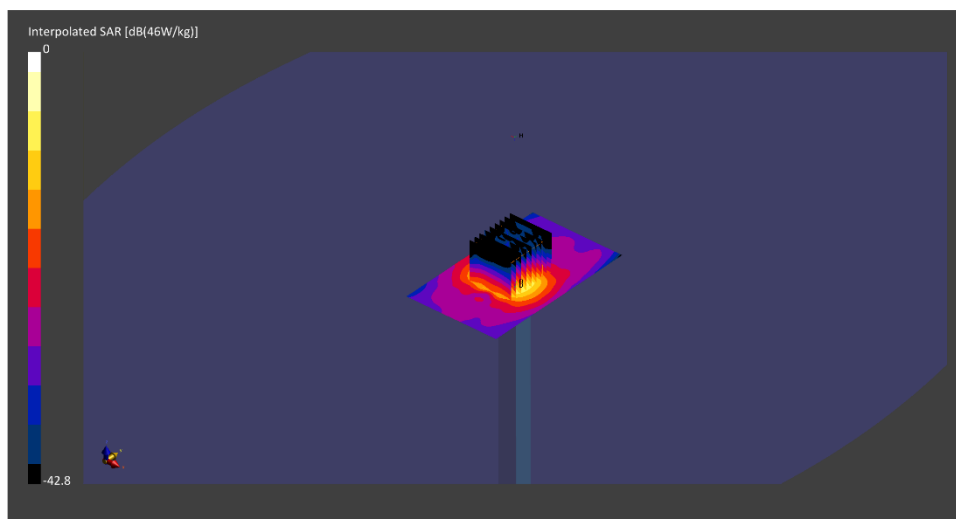
Probe Calibration Date	EX3DV4 - SN7711 2022-03-11	Phantom	ELI V8.0 (20deg probe tilt)
DAE Calibration Date	DAE4 Sn1716 2022-03-08	TSL Type	HBBL-600-10000

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	51.0 x 85.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	Yes	Yes
M2/M1 [%]		50.9
Dist 3dB Peak [mm]		4.8

Measurement Results

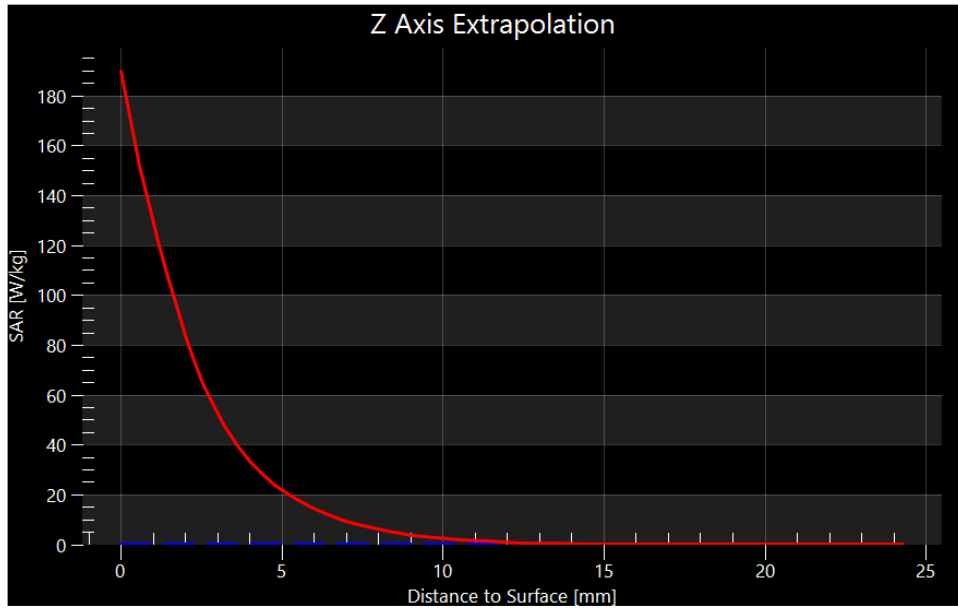
	Area Scan	Zoom Scan
psSAR1g [W/Kg]	24.2	29.8
psSAR10g [W/Kg]	5.06	5.48
Power Drift [dB]	0.02	-0.03



2022-05-09 SystemPerformanceCheck-D6.5GHzV2 SN1068

Summary

Dipole D6.5GHzV2 - SN1068
Frequency [MHz] 6500.0



2022-04-26 SystemPerformanceCheck-D5GHzV2 SN 1213

Frequency: 5600 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: $f = 5600$ MHz; $\sigma = 4.915$ S/m; $\epsilon_r = 34.743$; $\rho = 1000$ kg/m³

Dasy Configuration:

- Area Scan Setting: Find Secondary Maximum within 2.0 dB and with a peak SAR value greater than 0.0012 W/kg
- Electronics: DAE4 Sn1439; Calibrated: 2021-08-11
- Probe: EX3DV4 - SN3686; ConvF(4.55, 4.55, 4.55) @ 5600 MHz; Calibrated: 2022-01-18
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI A v5.0; Type: QD OVA 002 AA; Serial: 1194

Head/5.6 GHz, Pin=15.85mW/Area Scan (7x7x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 3.58 W/kg

Head/5.6 GHz, Pin=15.85mW/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 23.66 V/m; Power Drift = -0.09 dB

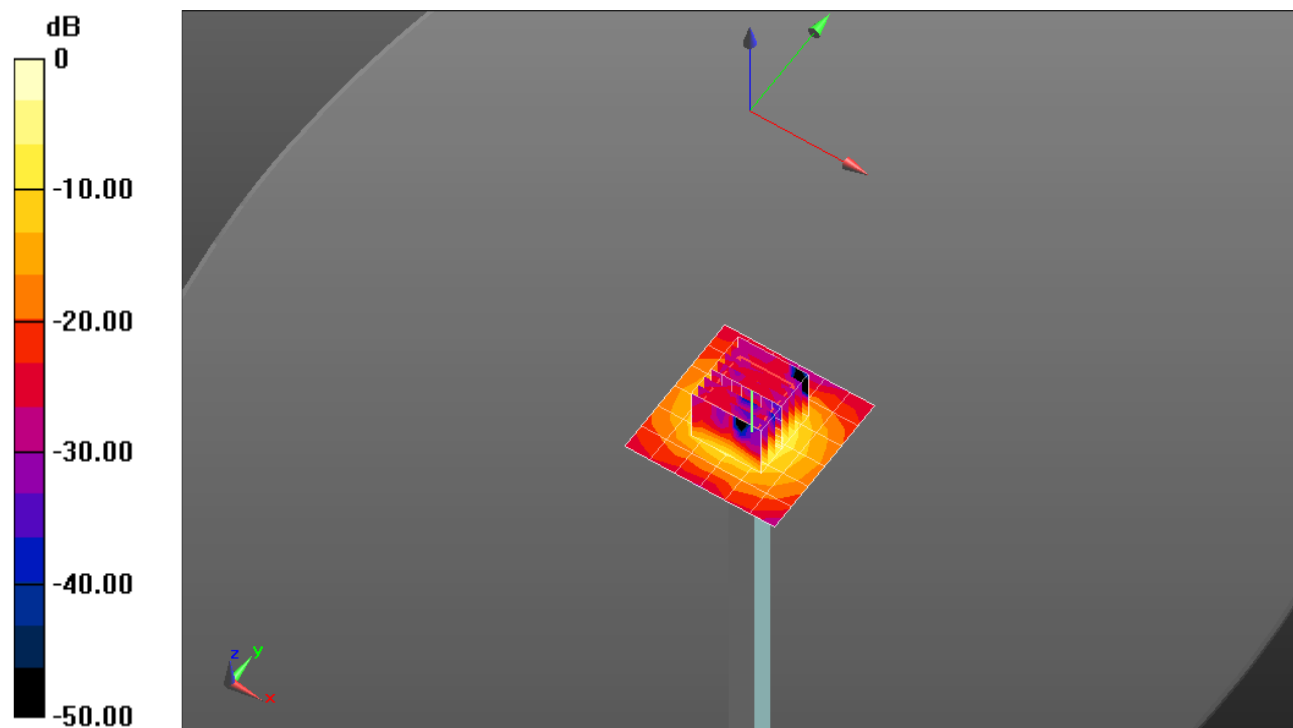
Peak SAR (extrapolated) = 5.95 W/kg

SAR(1 g) = 1.39 W/kg; SAR(10 g) = 0.396 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 63.2%

Maximum value of SAR (measured) = 3.37 W/kg

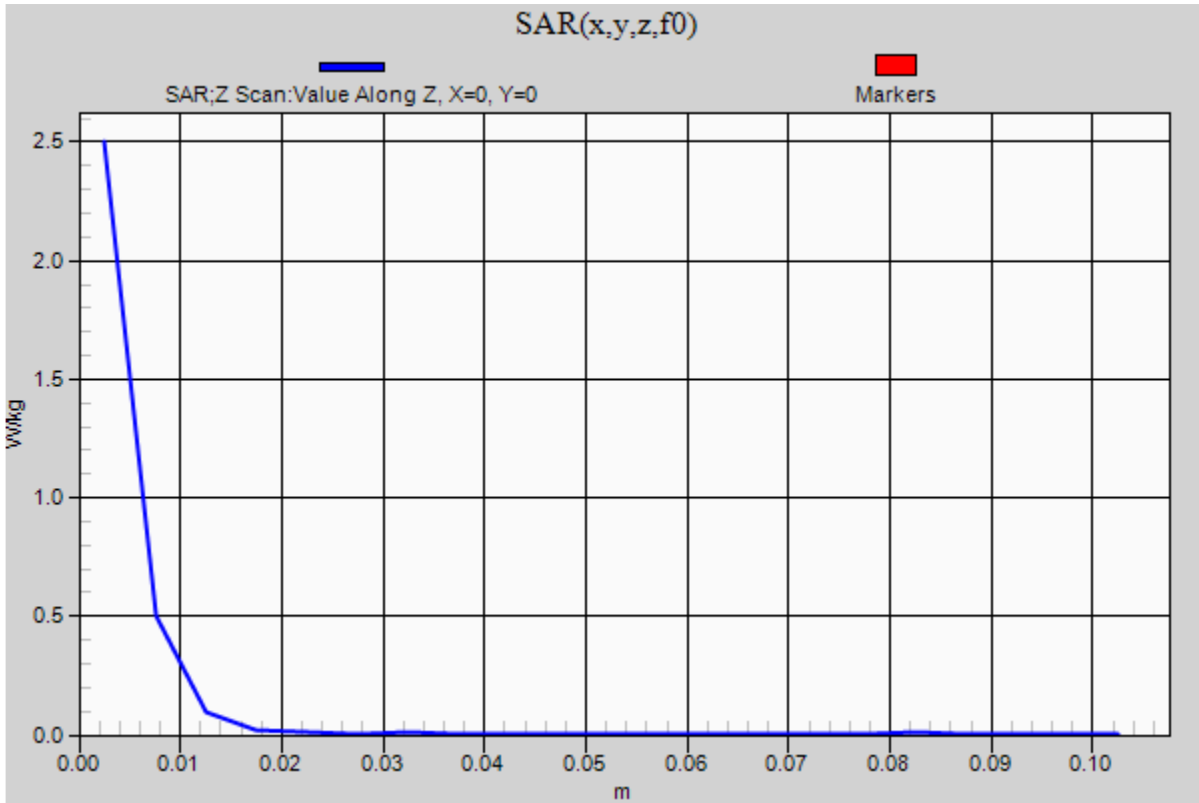


0 dB = 3.37 W/kg = 5.28 dBW/kg

2022-04-26 SystemPerformanceCheck-D5GHzV2 SN 1213

Frequency: 5600 MHz; Duty Cycle: 1:1

Head/5.6 GHz, Pin=15.85mW/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 2.50 W/kg



2022-04-29 SystemPerformanceCheck-D2450V2 SN 963

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

Medium parameters used: $f = 2450$ MHz; $\sigma = 1.877$ S/m; $\epsilon_r = 40.109$; $\rho = 1000$ kg/m³

Dasy Configuration:

- Area Scan Setting: Find Secondary Maximum within 2.0 dB and with a peak SAR value greater than 0.0012 W/kg
- Electronics: DAE4 Sn1439; Calibrated: 2021-08-11
- Probe: EX3DV4 - SN3686; ConvF(7.09, 7.09, 7.09) @ 2450 MHz; Calibrated: 2022-01-18
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI A v5.0; Type: QD OVA 002 AA; Serial: 1194

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

Maximum value of SAR (measured) = 5.16 W/kg

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

Reference Value = 62.73 V/m; Power Drift = -0.02 dB

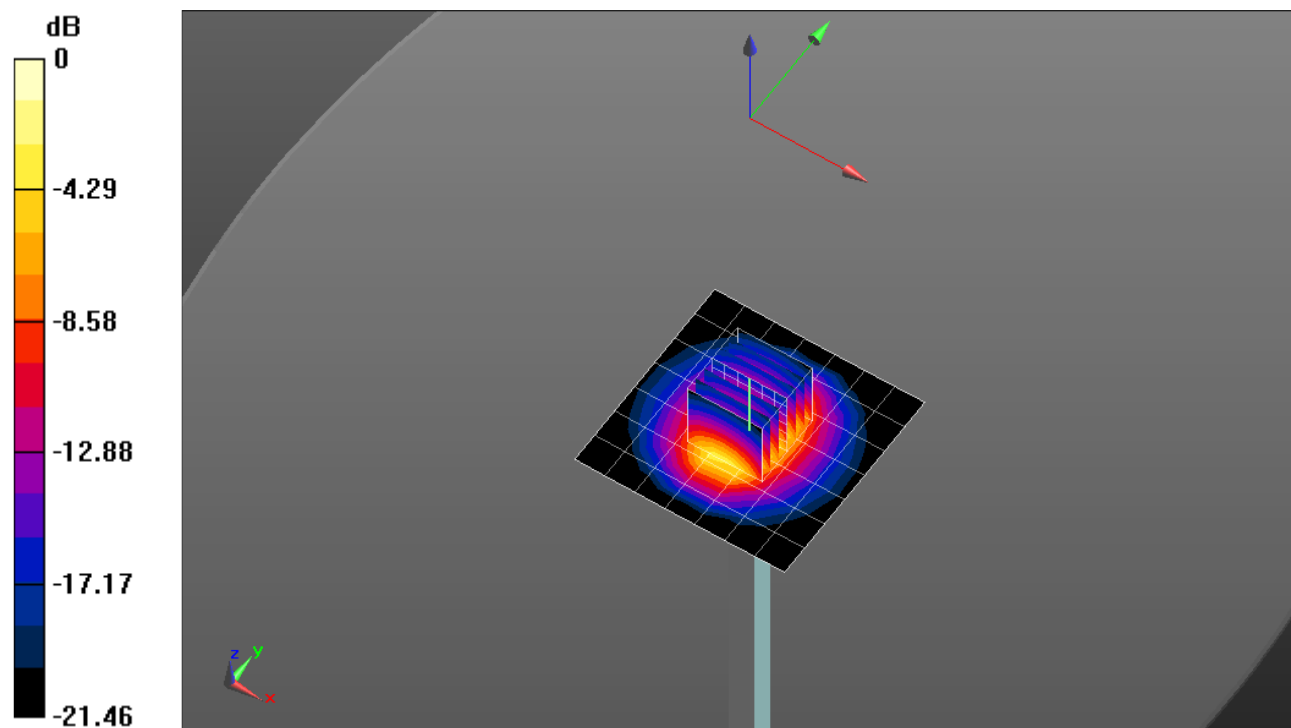
Peak SAR (extrapolated) = 10.5 W/kg

SAR(1 g) = 5.07 W/kg; SAR(10 g) = 2.37 W/kg

Smallest distance from peaks to all points 3 dB below = 9.8 mm

Ratio of SAR at M2 to SAR at M1 = 49.3%

Maximum value of SAR (measured) = 7.19 W/kg

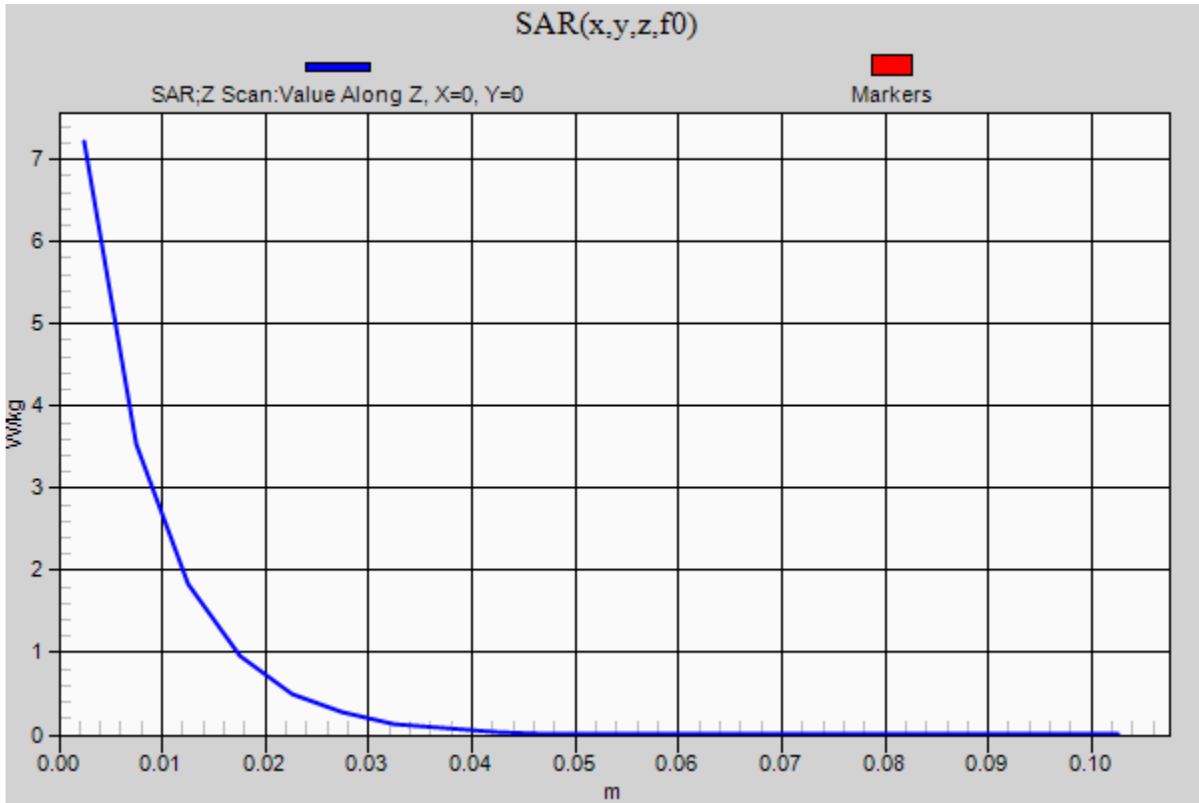


0 dB = 7.19 W/kg = 8.57 dBW/kg

2022-04-29 SystemPerformanceCheck-D2450V2 SN 963

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) = 7.22 W/kg



2022-05-03 SystemPerformanceCheck-D5GHzV2 SN 1213

Frequency: 5250 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
 Medium parameters used (interpolated): $f = 5250$ MHz; $\sigma = 4.556$ S/m; $\epsilon_r = 34.929$; $\rho = 1000$ kg/m³

Dasy Configuration:

- Area Scan Setting: Find Secondary Maximum within 2.0 dB and with a peak SAR value greater than 0.0012 W/kg
- Electronics: DAE4 Sn1439; Calibrated: 2021-08-11
- Probe: EX3DV4 - SN3686; ConvF(5.15, 5.15, 5.15) @ 5250 MHz; Calibrated: 2022-01-18
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI A v5.0; Type: QD OVA 002 AA; Serial: 1194

Head/5.2 GHz, Pin=25.12mW/Area Scan (7x7x1): Measurement grid: dx=10mm, dy=10mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

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

Head/5.2 GHz, Pin=25.12mW/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 29.95 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 7.84 W/kg

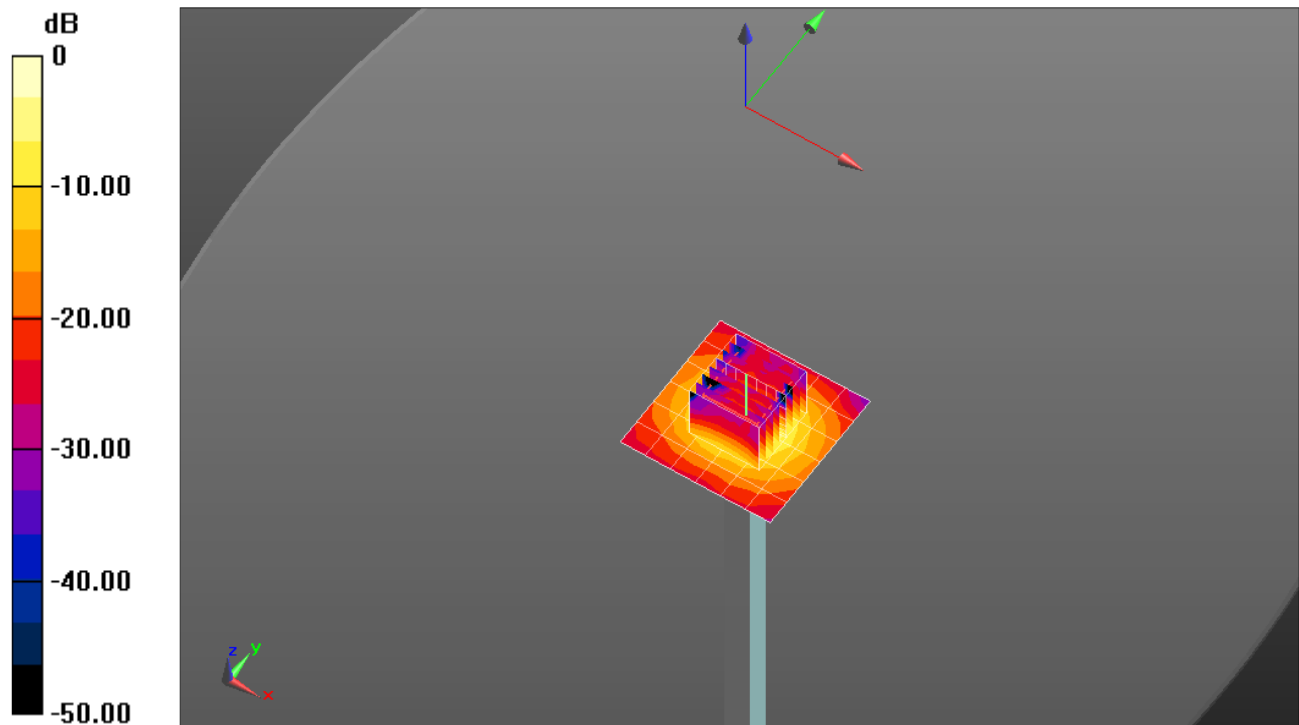
SAR(1 g) = 2.02 W/kg; SAR(10 g) = 0.586 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 7.4 mm

Ratio of SAR at M2 to SAR at M1 = 66.2%

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 4.69 W/kg



0 dB = 4.69 W/kg = 6.71 dBW/kg

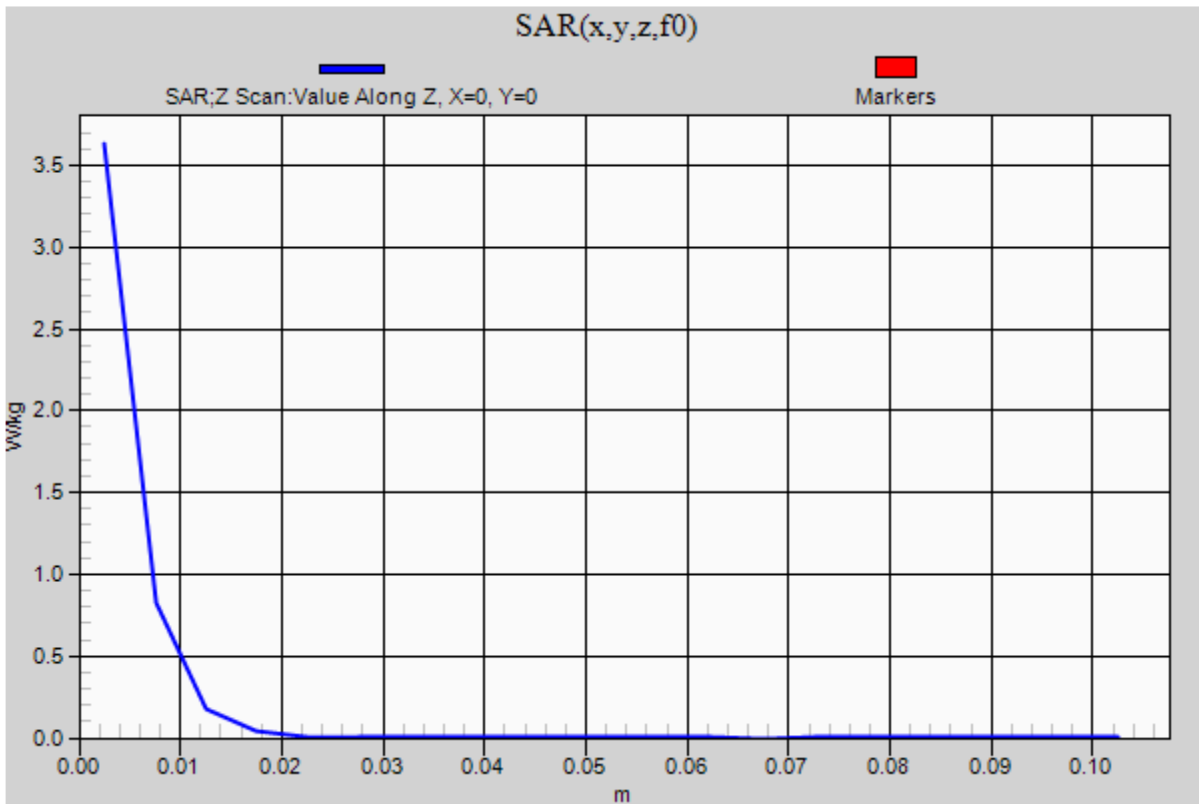
2022-05-03 SystemPerformanceCheck-D5GHzV2 SN 1213

Frequency: 5250 MHz; Duty Cycle: 1:1

Head/5.2 GHz, Pin=25.12mW/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm

Info: [Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 3.63 W/kg



2022-05-06 SystemPerformanceCheck-D5GHzV2 SN 1213

Frequency: 5750 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C
Medium parameters used: $f = 5750$ MHz; $\sigma = 5.172$ S/m; $\epsilon_r = 34.968$; $\rho = 1000$ kg/m³

Dasy Configuration:

- Area Scan Setting: Find Secondary Maximum within 2.0 dB and with a peak SAR value greater than 0.0012 W/kg
- Electronics: DAE4 Sn1439; Calibrated: 2021-08-11
- Probe: EX3DV4 - SN3686; ConvF(4.5, 4.5, 4.5) @ 5750 MHz; Calibrated: 2022-01-18
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI A v5.0; Type: QD OVA 002 AA; Serial: 1194

Head/5.8 GHz, Pin=15.85mW 2/Area Scan (7x7x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 3.24 W/kg

Head/5.8 GHz, Pin=15.85mW 2/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 21.72 V/m; Power Drift = -0.01 dB

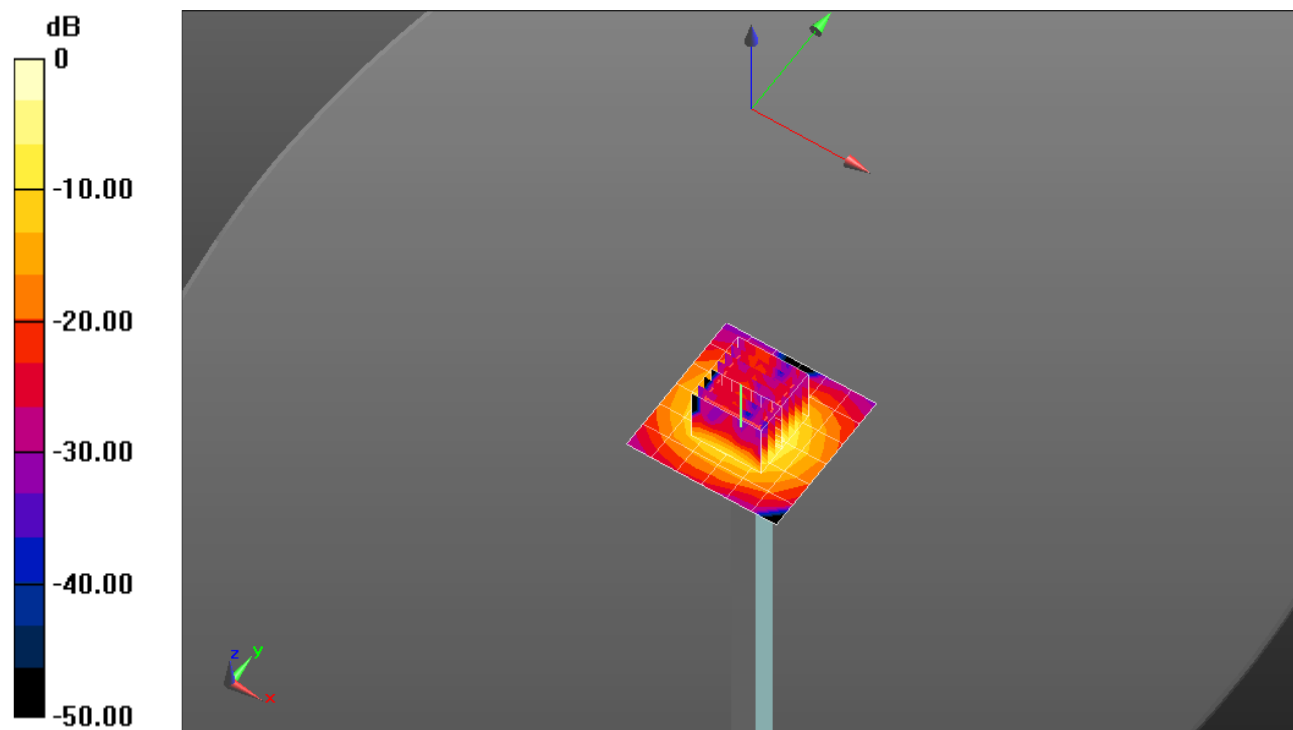
Peak SAR (extrapolated) = 5.61 W/kg

SAR(1 g) = 1.26 W/kg; SAR(10 g) = 0.366 W/kg

Smallest distance from peaks to all points 3 dB below = 7.4 mm

Ratio of SAR at M2 to SAR at M1 = 61.7%

Maximum value of SAR (measured) = 3.03 W/kg



0 dB = 3.03 W/kg = 4.81 dBW/kg

2022-05-06 SystemPerformanceCheck-D5GHzV2 SN 1213

Frequency: 5750 MHz; Duty Cycle: 1:1

Head/5.8 GHz, Pin=15.85mW 2/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 2.18 W/kg

