20221011_SystemPerformanceCheck-D5GHzV2_SN 1209

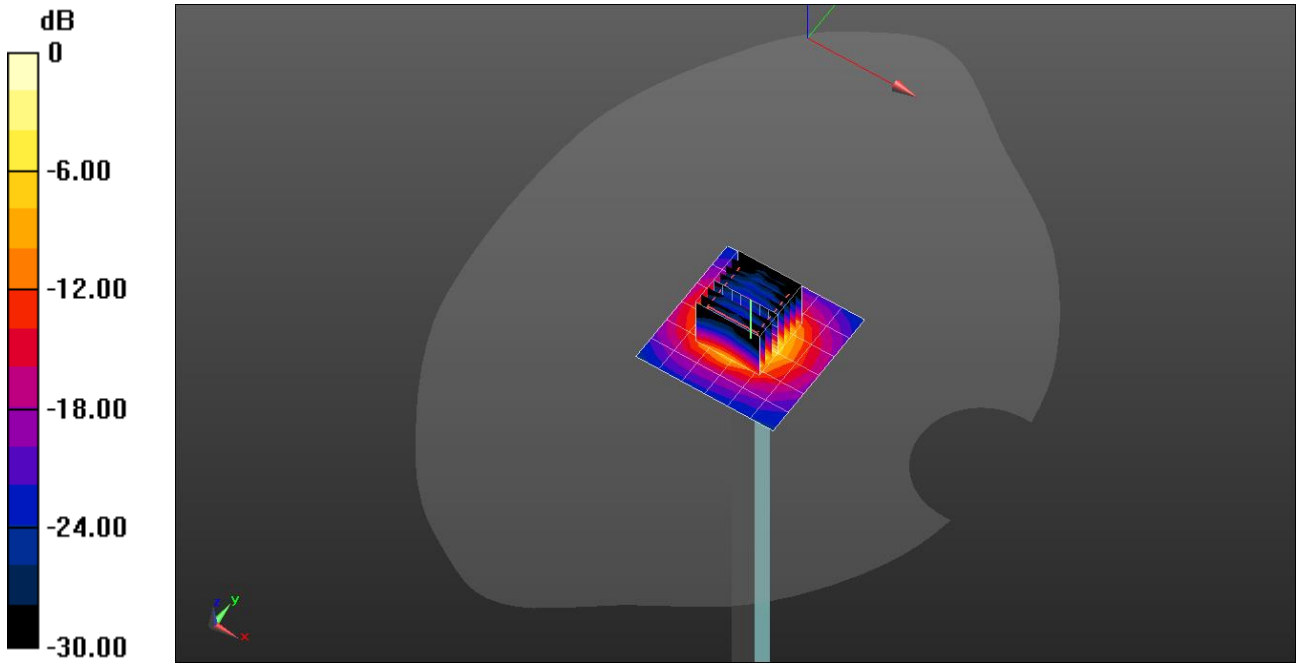
Frequency: 5250 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used (interpolated): f = 5250 MHz; σ = 4.608 S/m; ε_r = 35.92; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Averaged Fast SAR: Polynomial fit
- Electronics: DAE4 Sn1667; Calibrated: 4/27/2022
- Probe: EX3DV4 - SN7314; ConvF(5.4, 5.4, 5.4) @ 5250 MHz; Calibrated: 5/31/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: 1751

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

Maximum value of SAR (measured) = 18.5 W/kg

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

Reference Value = 70.43 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 31.2 W/kg
SAR(1 g) = 8.26 W/kg; SAR(10 g) = 2.44 W/kg
Maximum value of SAR (measured) = 18.6 W/kg



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

20220923_SystemPerformancecheck-D2450V2_SN 960

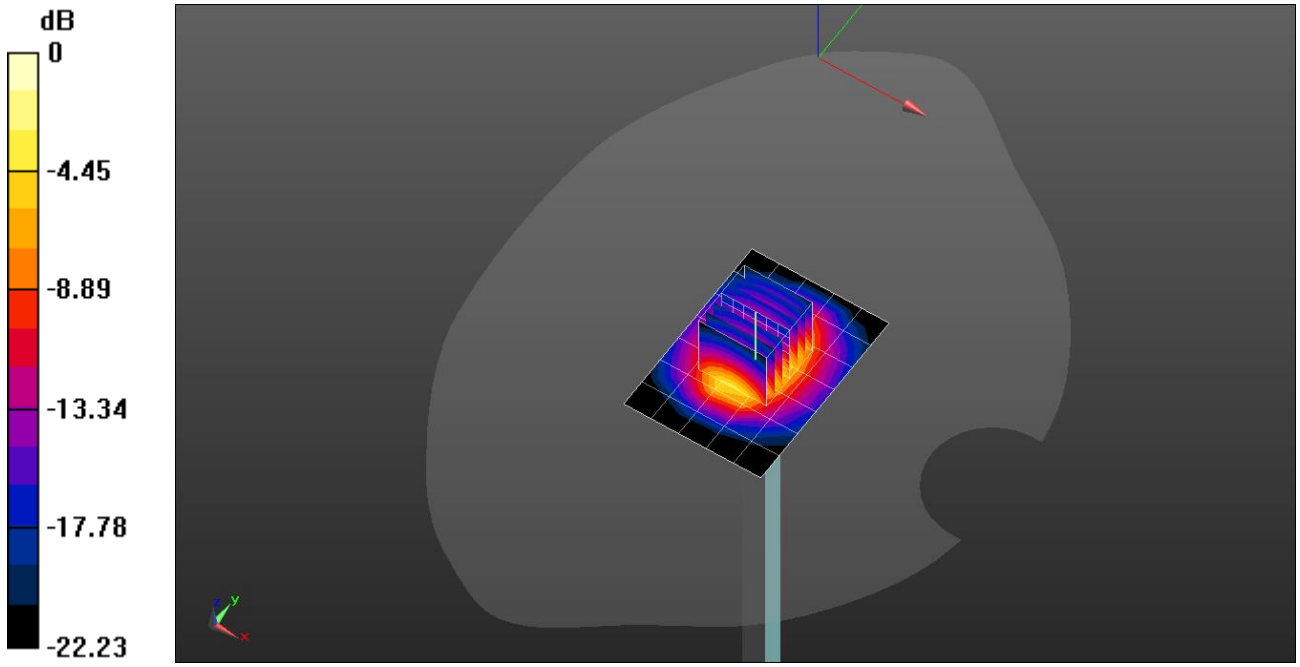
Frequency: 2450 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used (interpolated): f = 2450 MHz; σ = 1.832 S/m; ε_r = 38.54; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Averaged Fast SAR: Polynomial fit
- Electronics: DAE4 Sn1668; Calibrated: 4/27/2022
- Probe: EX3DV4 - SN7646; ConvF(8.34, 8.34, 8.34) @ 2450 MHz; Calibrated: 3/29/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (Right); Type: QD 000 P40 CD; Serial: 1855

Head/2450MHz, Pin=100mW/Area Scan (6x8x1): Measurement grid: dx=12mm, dy=12mm

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

Head/2450MHz, Pin=100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 62.20 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 9.94 W/kg
SAR(1 g) = 4.77 W/kg; SAR(10 g) = 2.21 W/kg
Maximum value of SAR (measured) = 7.99 W/kg



0 dB = 7.99 W/kg = 9.03 dBW/kg

20220927_SystemPerformanceCheck-D835V2_SN 4d194

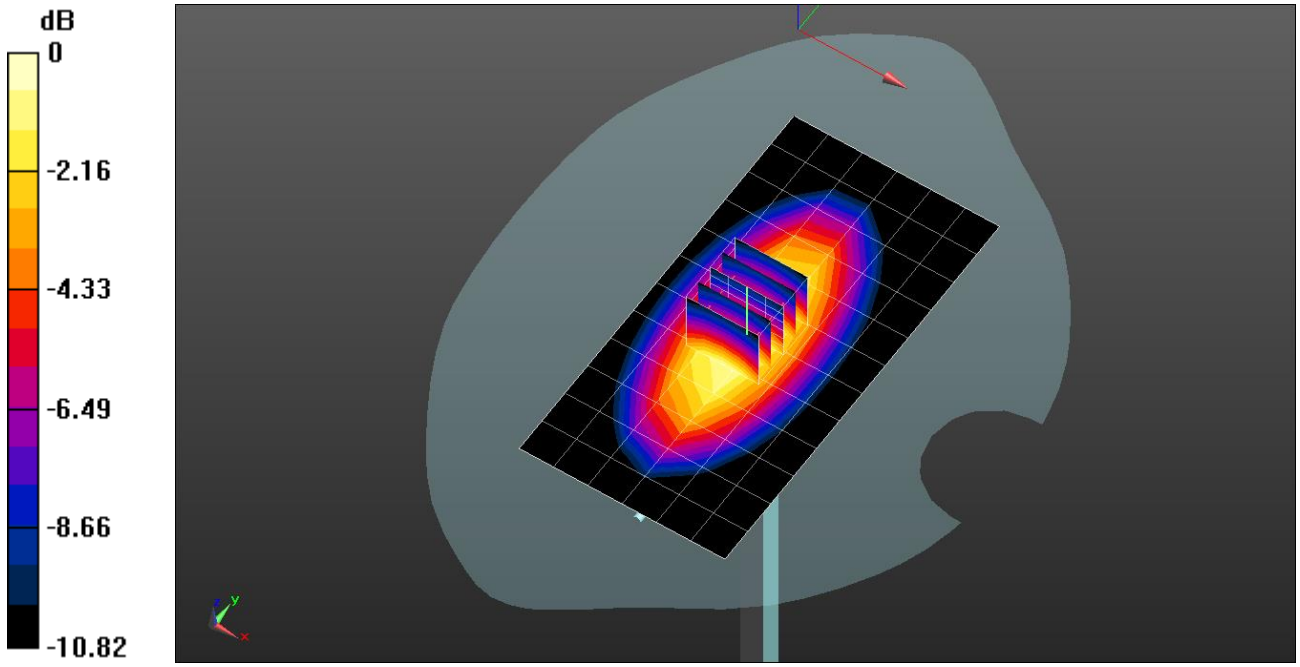
Frequency: 835 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used: f = 835 MHz; σ = 0.913 S/m; ε_r = 41.831; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Averaged Fast SAR: Polynomial fit
- Electronics: DAE4 Sn1668; Calibrated: 4/27/2022
- Probe: EX3DV4 - SN7646; ConvF(10.3, 10.3, 10.3) @ 835 MHz; Calibrated: 3/29/2022
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: SAM (20deg probe tilt) with CRP v5.0(Right); Type: QD000P40CD; Serial: TP:xxxx

Head/835MHz, Pin=100 mW/Area Scan (7x13x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.24 W/kg

Head/835MHz, Pin=100 mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 37.58 V/m; Power Drift = -0.17 dB
Peak SAR (extrapolated) = 1.61 W/kg
SAR(1 g) = 1.05 W/kg; SAR(10 g) = 0.679 W/kg
Maximum value of SAR (measured) = 1.29 W/kg



0 dB = 1.29 W/kg = 1.11 dBW/kg

20221026_SystemPerformancecheck 2600_SN 1097

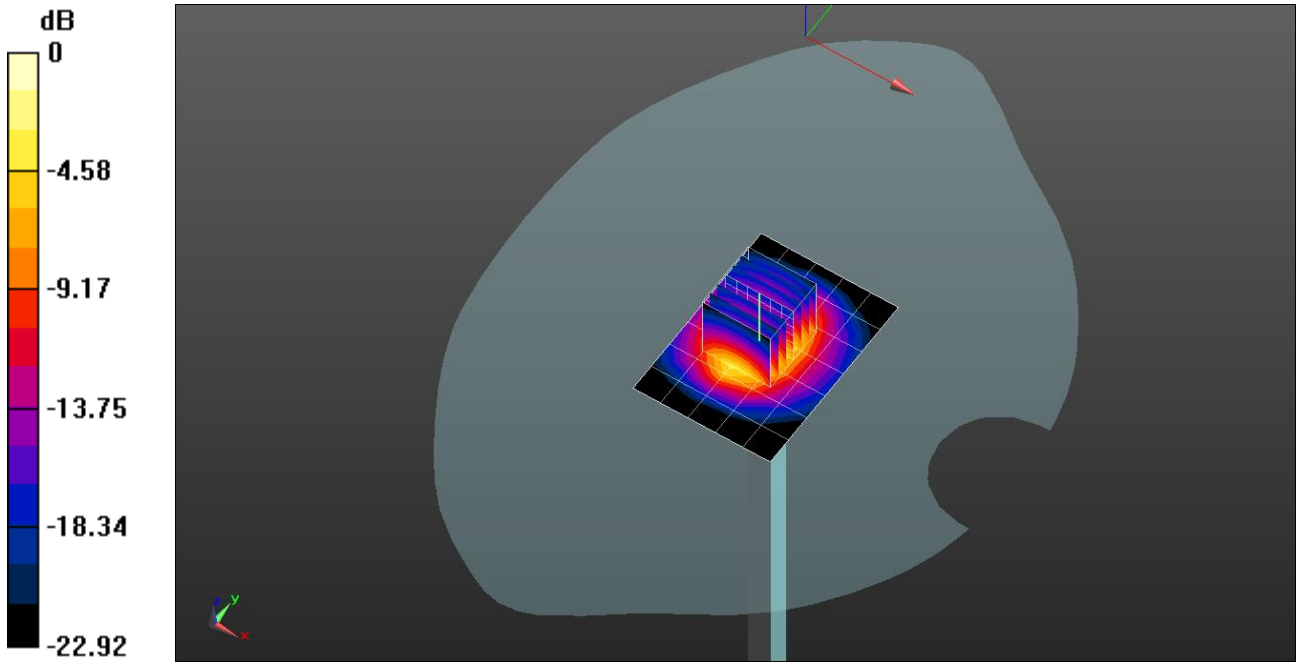
Frequency: 2600 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used: f = 2600 MHz; σ = 1.961 S/m; ε_r = 40.096; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Averaged Fast SAR: Polynomial fit
- Electronics: DAE4 Sn1668; Calibrated: 4/27/2022
- Probe: EX3DV4 - SN7646; ConvF(8.16, 8.16, 8.16) @ 2600 MHz; Calibrated: 3/29/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: SAM (20deg probe tilt) with CRP v5.0(Right); Type: QD000P40CD; Serial: TP:xxxx

Head/2600MHz/Area Scan (6x8x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 8.08 W/kg

Head/2600MHz/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 60.42 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 11.3 W/kg
SAR(1 g) = 5.25 W/kg; SAR(10 g) = 2.38 W/kg
Maximum value of SAR (measured) = 9.02 W/kg



0 dB = 9.02 W/kg = 9.55 dBW/kg

20220919_SystemPerformanceCheck-D1750V2_SN 1125

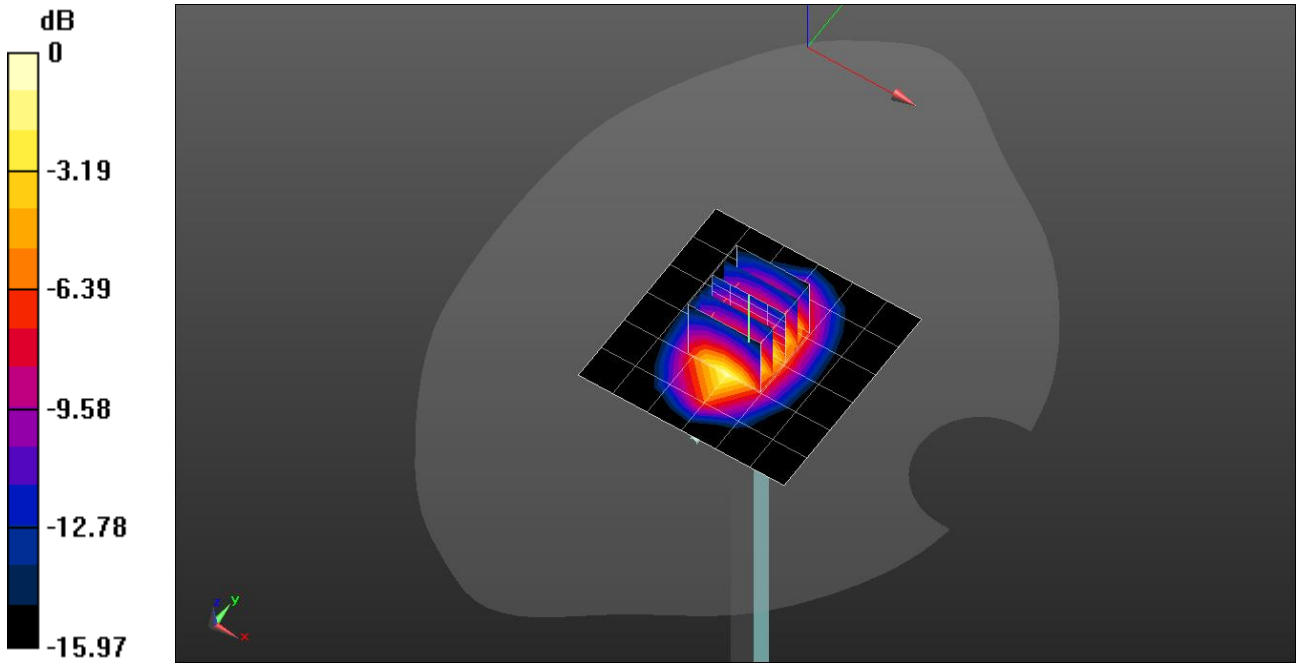
Frequency: 1750 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used: f = 1750 MHz; σ = 1.346 S/m; ε_r = 40.246; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Averaged Fast SAR: Polynomial fit
- Electronics: DAE4 Sn1671; Calibrated: 5/31/2022
- Probe: EX3DV4 - SN7651; ConvF(8.93, 8.93, 8.93) @ 1750 MHz; Calibrated: 5/30/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (Right); Type: QD 000 P40 CD; Serial: 1855

Head/1750 MHz, Pin=100 mW/Area Scan (7x7x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 5.01 W/kg

Head/1750 MHz, Pin=100 mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 56.63 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 5.82 W/kg
SAR(1 g) = 3.38 W/kg; SAR(10 g) = 1.85 W/kg
Maximum value of SAR (measured) = 5.03 W/kg



0 dB = 5.03 W/kg = 7.02 dBW/kg

20220919_SystemPerformanceCheck-D1900V2_SN 5d190

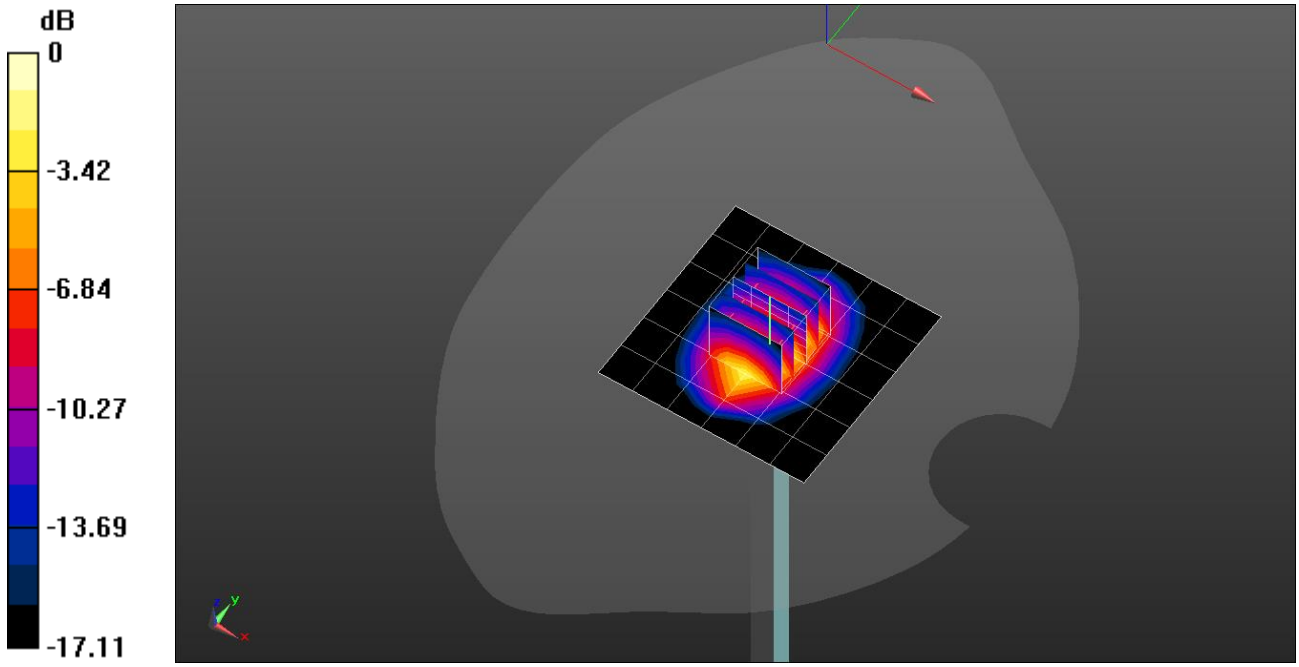
Frequency: 1900 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used: f = 1900 MHz; σ = 1.414 S/m; ε_r = 39.944; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Averaged Fast SAR: Polynomial fit
- Electronics: DAE4 Sn1671; Calibrated: 5/31/2022
- Probe: EX3DV4 - SN7651; ConvF(8.57, 8.57, 8.57) @ 1900 MHz; Calibrated: 5/30/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (Right); Type: QD 000 P40 CD; Serial: 1855

Head/1900 MHz, Pin=100 mW/Area Scan (7x7x1): Measurement grid: dx=15mm, dy=15mm

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

Head/1900 MHz, Pin=100 mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 57.78 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 6.65 W/kg
SAR(1 g) = 3.66 W/kg; SAR(10 g) = 1.94 W/kg
Maximum value of SAR (measured) = 5.64 W/kg



0 dB = 5.64 W/kg = 7.51 dBW/kg

20220927_SystemPerformanceCheck-D3700V2_SN 1036

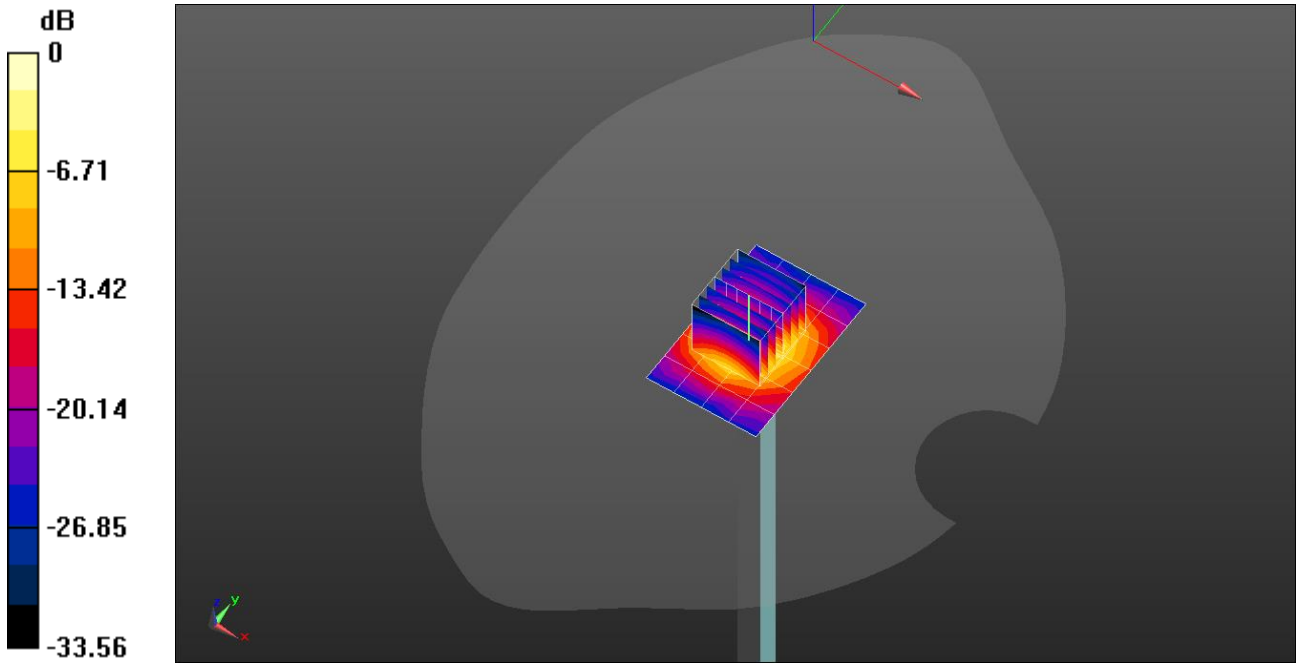
Frequency: 3700 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used: f = 3700 MHz; σ = 3.13 S/m; ε_r = 36.798; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Averaged Fast SAR: Polynomial fit
- Electronics: DAE4 Sn1671; Calibrated: 5/31/2022
- Probe: EX3DV4 - SN7313; ConvF(6.88, 6.88, 6.88) @ 3700 MHz; Calibrated: 3/2/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (Right); Type: QD 000 P40 CD; Serial: 1855

Head/3700MHz, Pin=100mW 2/Area Scan (5x7x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 12.5 W/kg

Head/3700MHz, Pin=100mW 2/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=1.4mm

Reference Value = 66.66 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 18.9 W/kg
SAR(1 g) = 6.36 W/kg; SAR(10 g) = 2.33 W/kg
Maximum value of SAR (measured) = 12.9 W/kg



0 dB = 12.9 W/kg = 11.11 dBW/kg

20220927_SystemPerfornmanceCheck-D3900V2_SN 1069

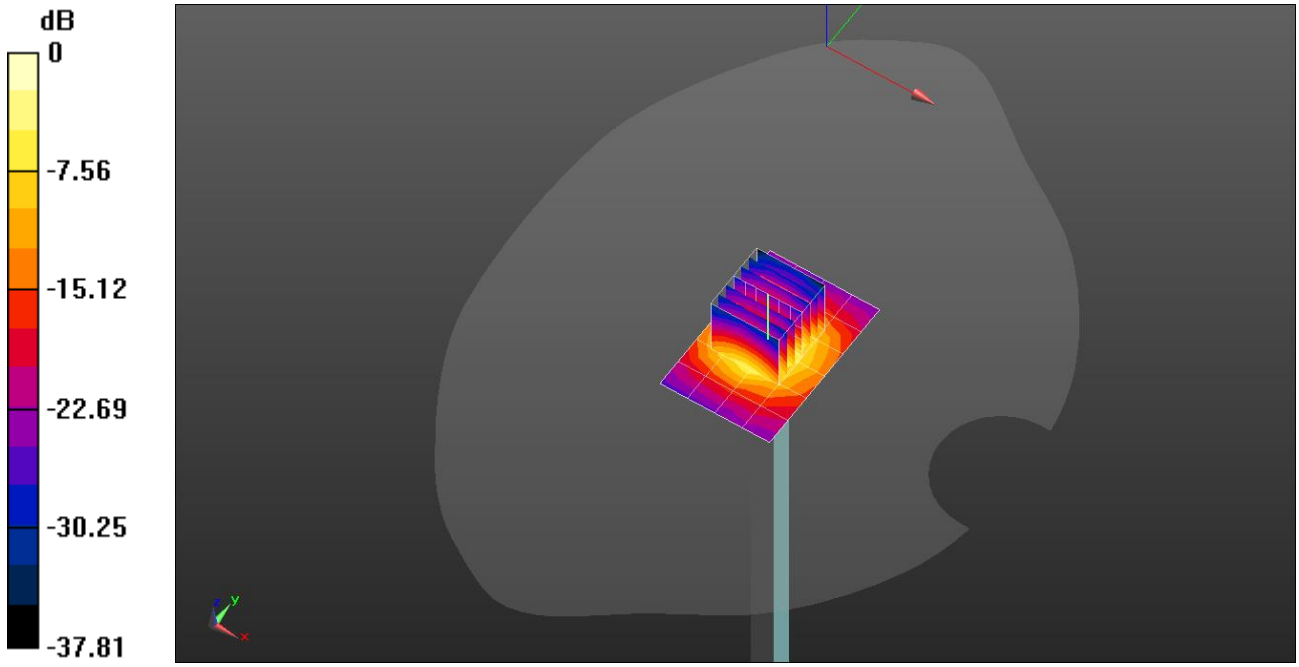
Frequency: 3900 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used: f = 3900 MHz; σ = 3.317 S/m; ε_r = 36.275; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Averaged Fast SAR: Polynomial fit
- Electronics: DAE4 Sn1671; Calibrated: 5/31/2022
- Probe: EX3DV4 - SN7313; ConvF(6.47, 6.47, 6.47) @ 3900 MHz; Calibrated: 3/2/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (Right); Type: QD 000 P40 CD; Serial: 1855

Head/3900MHz, Pin=100mW/Area Scan (5x7x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 12.9 W/kg

Head/3900MHz, Pin=100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=1.4mm

Reference Value = 68.22 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 18.6 W/kg
SAR(1 g) = 6.57 W/kg; SAR(10 g) = 2.32 W/kg
Maximum value of SAR (measured) = 13.2 W/kg



0 dB = 13.2 W/kg = 11.21 dBW/kg

20221011_SystemPerformanceCheck-D750V3_SN 1205

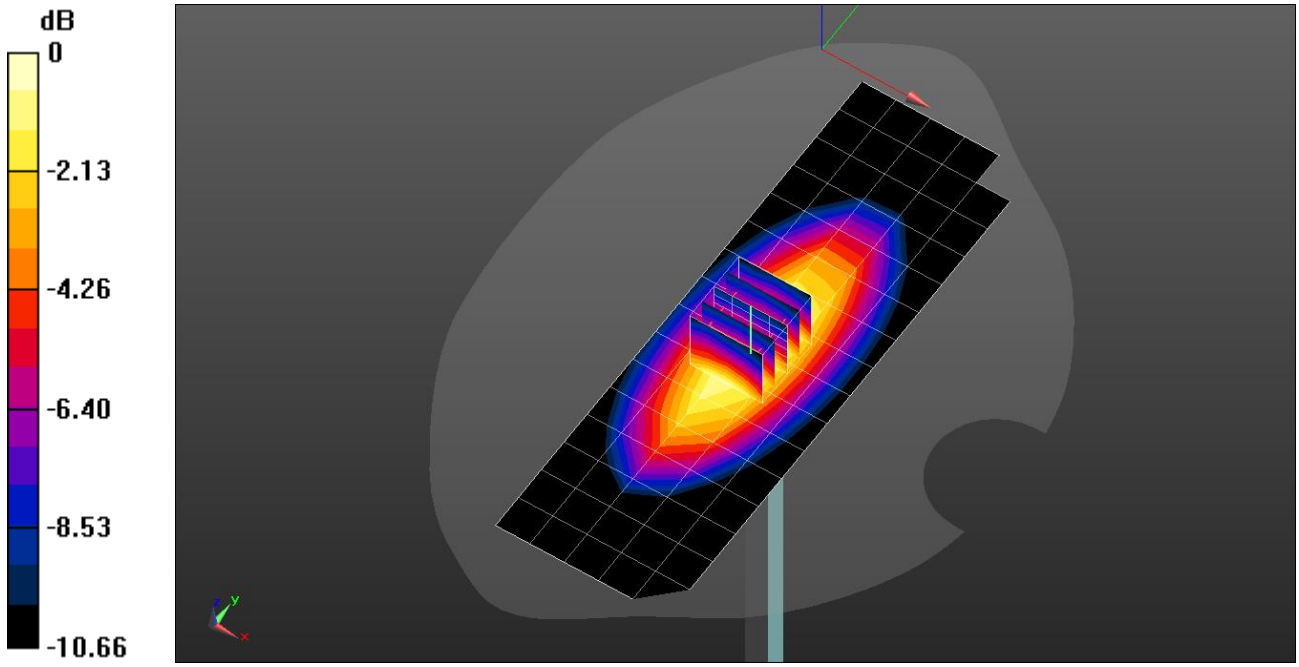
Frequency: 750 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used: f = 750 MHz; σ = 0.9 S/m; ε_r = 41.257; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Averaged Fast SAR: Polynomial fit
- Electronics: DAE4 Sn1671; Calibrated: 5/31/2022
- Probe: EX3DV4 - SN7313; ConvF(9.91, 9.91, 9.91) @ 750 MHz; Calibrated: 3/2/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (Right); Type: QD 000 P40 CD; Serial: 1855

Head/750 MHz, Pin=100 mW/Area Scan (6x17x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.14 W/kg

Head/750 MHz, Pin=100 mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 32.44 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 1.51 W/kg
SAR(1 g) = 0.935 W/kg; SAR(10 g) = 0.613 W/kg
Maximum value of SAR (measured) = 1.27 W/kg



0 dB = 1.27 W/kg = 1.04 dBW/kg

20221019_SystemPerfornmanceCheck-D3500V2_SN 1121

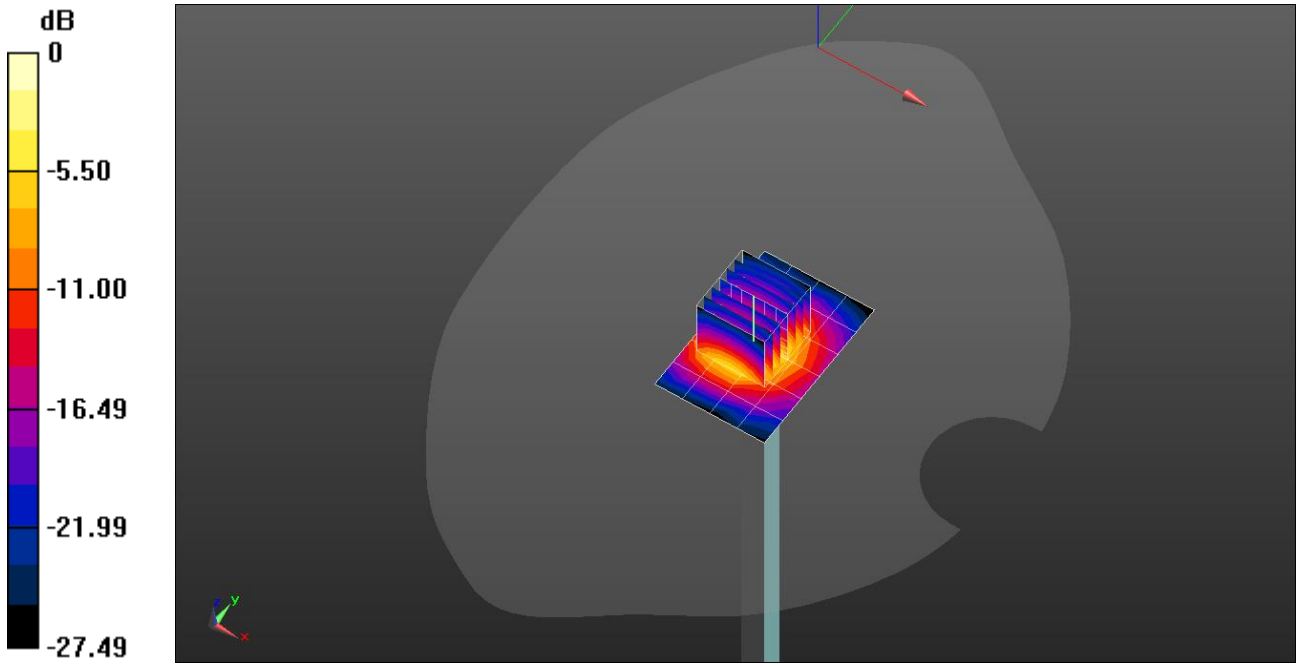
Frequency: 3500 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used: f = 3500 MHz; σ = 2.898 S/m; ε_r = 37.353; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Averaged Fast SAR: Polynomial fit
- Electronics: DAE4 Sn1671; Calibrated: 5/31/2022
- Probe: EX3DV4 - SN7376; ConvF(7.22, 7.22, 7.22) @ 3500 MHz; Calibrated: 7/27/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (Right); Type: QD 000 P40 CD; Serial: 1855

Head/3500MHz, Pin=100mW/Area Scan (5x7x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 9.31 W/kg

Head/3500MHz, Pin=100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=1.4mm

Reference Value = 62.90 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 13.3 W/kg
SAR(1 g) = 6.06 W/kg; SAR(10 g) = 2.42 W/kg
Maximum value of SAR (measured) = 10.9 W/kg



0 dB = 10.9 W/kg = 10.37 dBW/kg

20220919_SystemPerformanceCheck-D1750V2_SN 1125

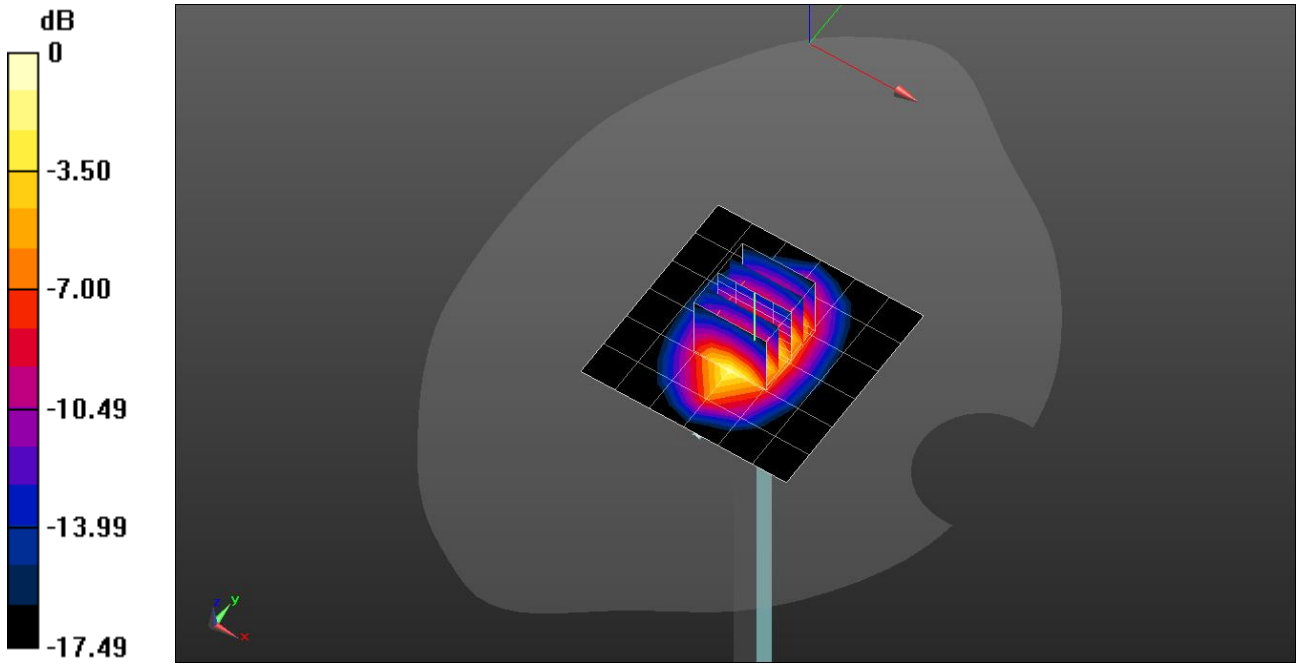
Frequency: 1750 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used: f = 1750 MHz; σ = 1.332 S/m; ε_r = 41.234; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Averaged Fast SAR: Polynomial fit
- Electronics: DAE4 Sn1468; Calibrated: 8/18/2022
- Probe: EX3DV4 - SN7545; ConvF(8.38, 8.38, 8.38) @ 1750 MHz; Calibrated: 8/19/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CE; Serial: xxxx

Head/1750 MHz, Pin=100 mW/Area Scan (7x7x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 5.14 W/kg

Head/1750 MHz, Pin=100 mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 58.63 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 6.50 W/kg
SAR(1 g) = 3.45 W/kg; SAR(10 g) = 1.81 W/kg
Maximum value of SAR (measured) = 5.43 W/kg



0 dB = 5.43 W/kg = 7.35 dBW/kg

20221019_SystemPerformanceCheck-D835V2_SN 4d194

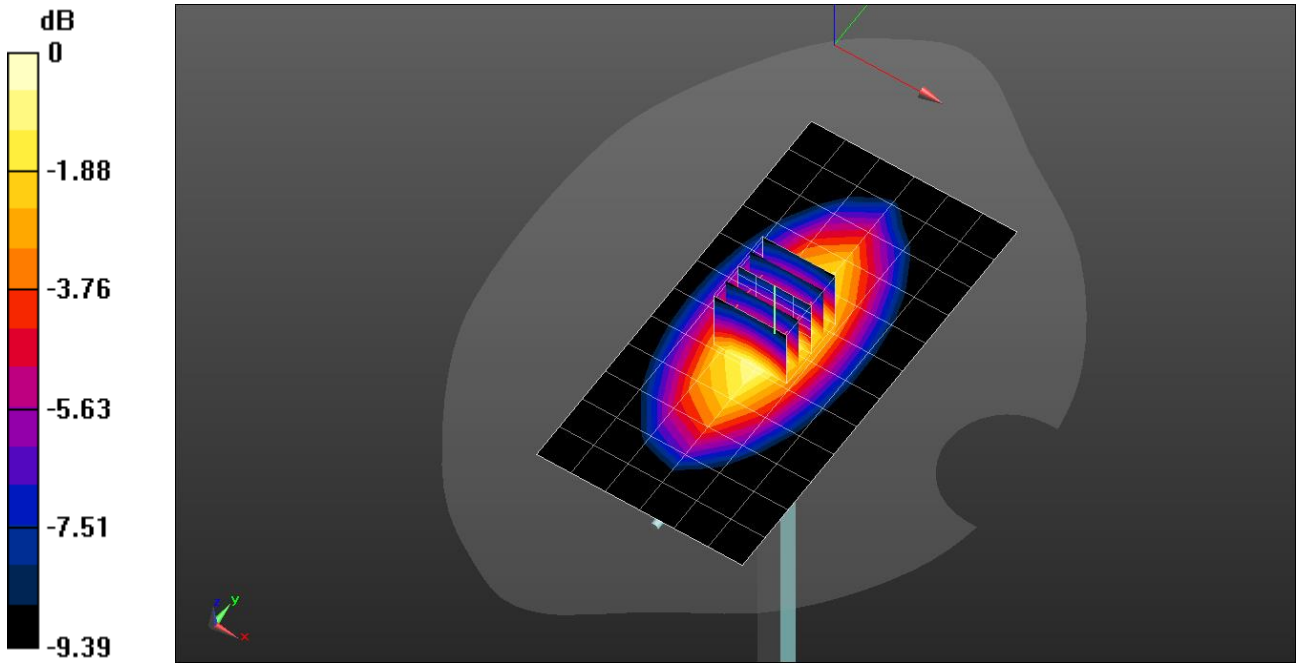
Frequency: 835 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used: f = 835 MHz; σ = 0.917 S/m; ε_r = 41.115; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Averaged Fast SAR: Polynomial fit
- Electronics: DAE4 Sn1468; Calibrated: 8/18/2022
- Probe: EX3DV4 - SN7652; ConvF(10.39, 10.39, 10.39) @ 835 MHz; Calibrated: 4/28/2022
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: 1751

Head/835 MHz, Pin=100 mW/Area Scan (7x13x1): Measurement grid: dx=15mm, dy=15mm

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

Head/835 MHz, Pin=100 mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 36.40 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 1.46 W/kg
SAR(1 g) = 1.02 W/kg; SAR(10 g) = 0.689 W/kg
Maximum value of SAR (measured) = 1.22 W/kg



0 dB = 1.22 W/kg = 0.86 dBW/kg

Measurement Report for Device, UID 0 -, Channel 0 (13.0MHz – SN 1015)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL				13.0	17.91	0.727	55.3

Hardware Setup

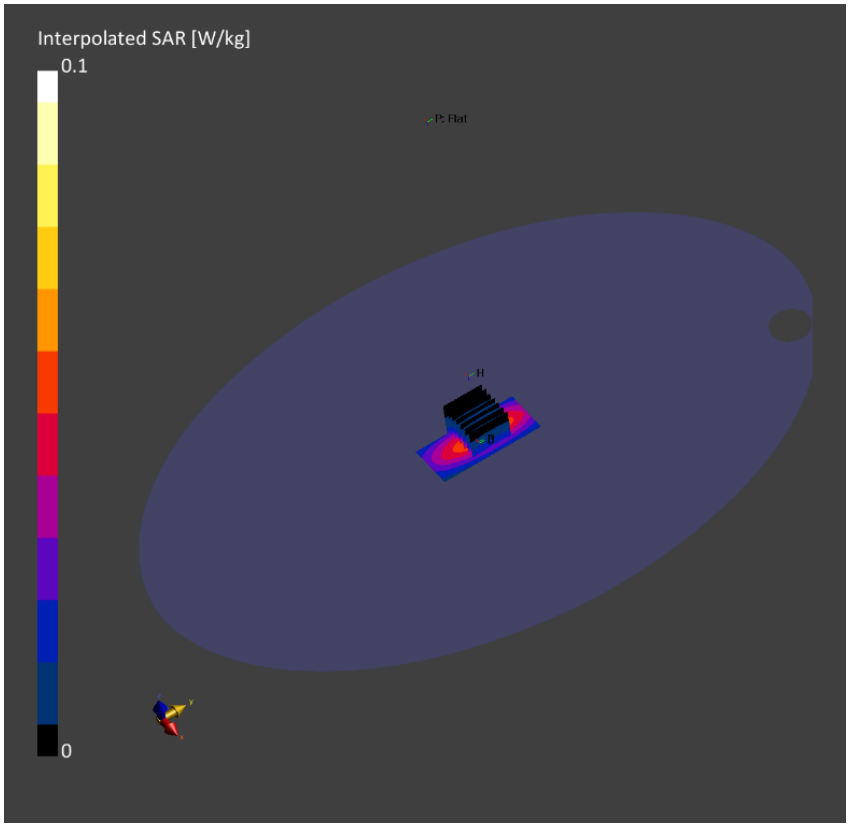
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V6.0 (20deg probe tilt) - 2005	HBBL-600-10000, 2022-Sep-19	EX3DV4 - SN7313, 2022-03-02	DAE4 Sn1591, 2022-03-24

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 90.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	10.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2022-09-19, 19:57	2022-09-19, 20:03
psSAR1g [W/kg]	0.056	0.055
psSAR10g [W/kg]	0.045	0.034
Power Drift [dB]	0.03	-0.00



Measurement Report for Device, UID 0 -, Channel 0 (1750.0MHz – SN 1125)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL				1750.0	8.39	1.39	39.0

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2037	HBBL-600-10000, 2022-Sep-14	EX3DV4 - SN7314, 2022-05-31	DAE4 Sn1670, 2022-06-07

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 90.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2022-09-14	2022-09-14
psSAR1g [W/kg]	3.38	3.40
psSAR10g [W/kg]	1.82	1.81
Power Drift [dB]	0.03	0.02