

20220509_SystemPerformanceCheck-D5GHzV2 SN 1209

Frequency: 5600 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C

Medium parameters used: $f = 5600$ MHz; $\sigma = 5.08$ S/m; $\epsilon_r = 35.051$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Averaged Fast SAR: Polynomial fit
- Electronics: DAE4 Sn912; Calibrated: 2021-11-22
- Probe: EX3DV4 - SN7313; ConvF(4.66, 4.66, 4.66) @ 5600 MHz; Calibrated: 2022-03-02
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: 1877

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

Maximum value of SAR (measured) = 21.8 W/kg

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

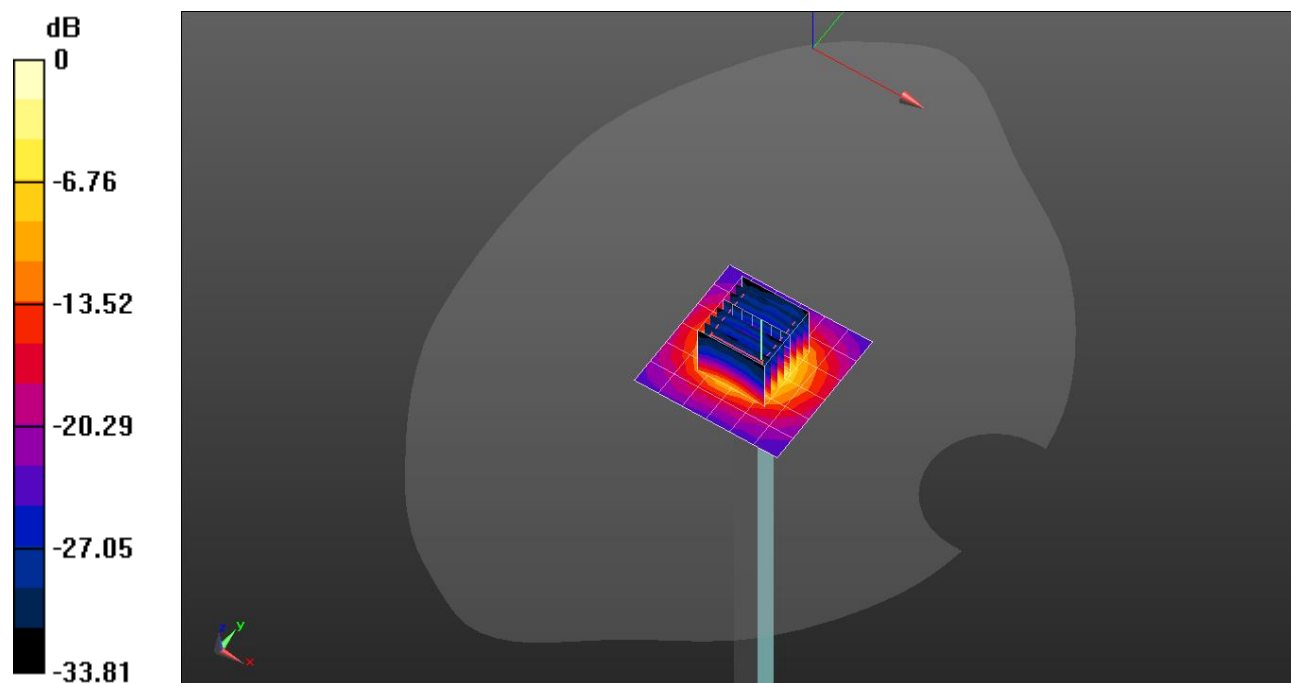
dz=1.4mm

Reference Value = 73.03 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 36.5 W/kg

SAR(1 g) = 8.58 W/kg; SAR(10 g) = 2.48 W/kg

Maximum value of SAR (measured) = 20.2 W/kg

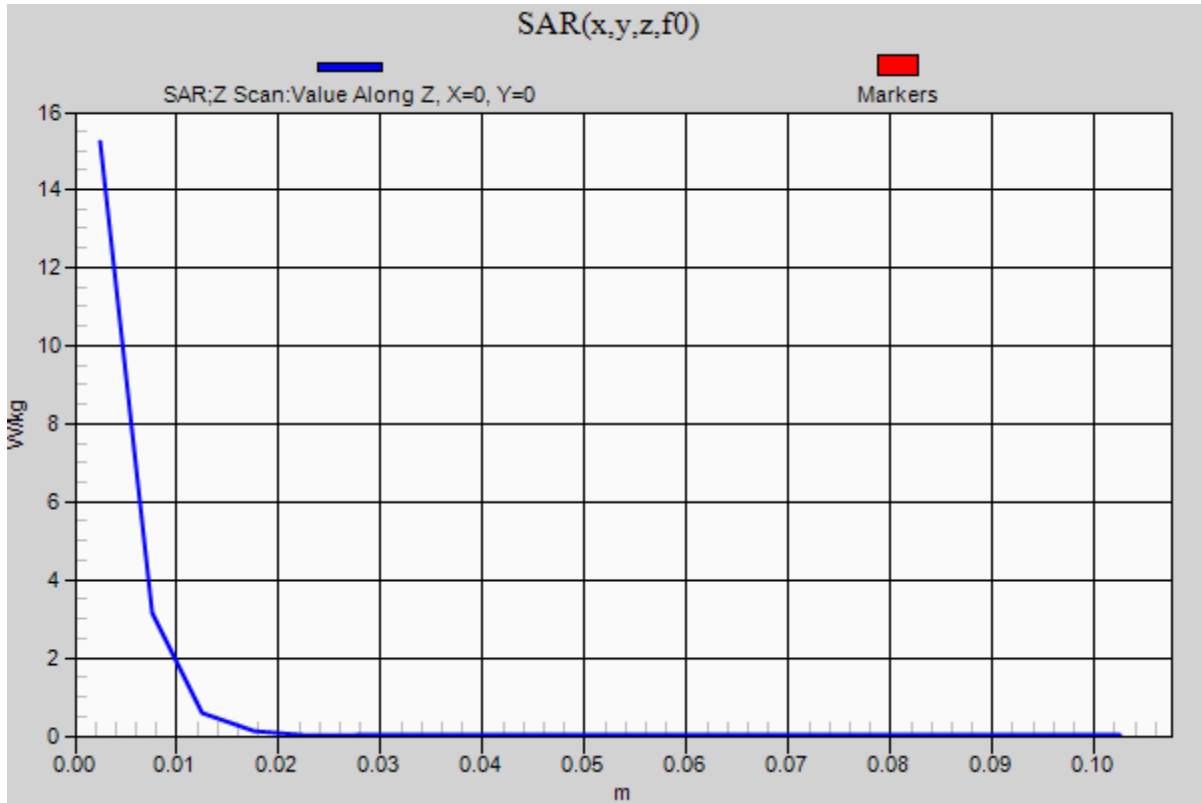


0 dB = 20.2 W/kg = 13.05 dBW/kg

20220509_SystemPerformanceCheck-D5GHzV2 SN 1209

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) = 15.2 W/kg



20220530_SystemPerformanceCheck D3700V2 SN1036

Frequency: 3700 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C

Medium parameters used: $f = 3700$ MHz; $\sigma = 3.068$ S/m; $\epsilon_r = 38.647$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Averaged Fast SAR: Polynomial fit
- Electronics: DAE4 Sn912; Calibrated: 2021-11-22
- Probe: EX3DV4 - SN7376; ConvF(7.01, 7.01, 7.01) @ 3700 MHz; Calibrated: 2021-07-30
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: 1877

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

Maximum value of SAR (measured) = 11.7 W/kg

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

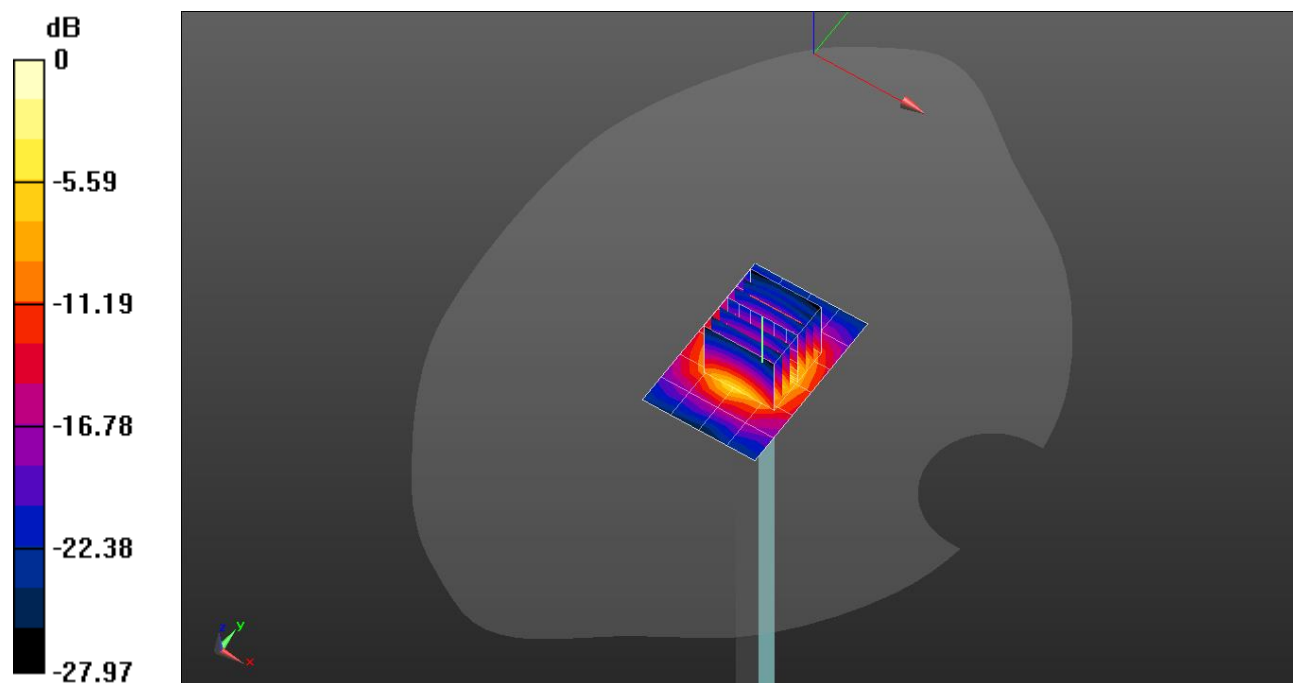
dz=1.4mm

Reference Value = 65.33 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 16.5 W/kg

SAR(1 g) = 6.45 W/kg; SAR(10 g) = 2.48 W/kg

Maximum value of SAR (measured) = 12.1 W/kg

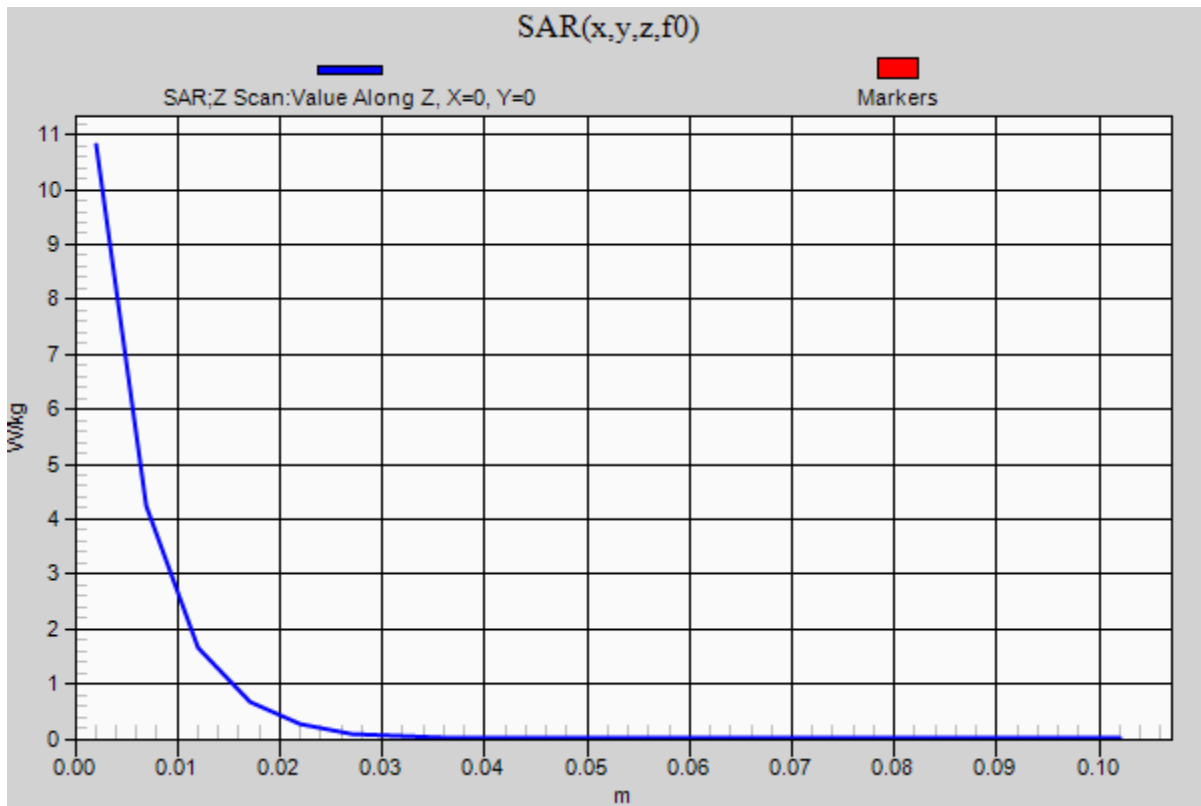


0 dB = 12.1 W/kg = 10.83 dBW/kg

20220530_SystemPerformanceCheck D3700V2 SN1036

Frequency: 3700 MHz; Duty Cycle: 1:1

Head/3700MHz, Pin=100mW 2/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 10.8 W/kg



20220506_SystemPerformanceCheck D3500V2 SN1121

Frequency: 3500 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C

Medium parameters used: $f = 3500$ MHz; $\sigma = 2.886$ S/m; $\epsilon_r = 37.873$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Averaged Fast SAR: Polynomial fit
- Electronics: DAE4 Sn1343; Calibrated: 2021-08-23
- Probe: EX3DV4 - SN7376; ConvF(7.15, 7.15, 7.15) @ 3500 MHz; Calibrated: 2021-07-30
- 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) = 11.7 W/kg

Head/3500MHz, Pin=100mW/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=5mm, dy=5mm,

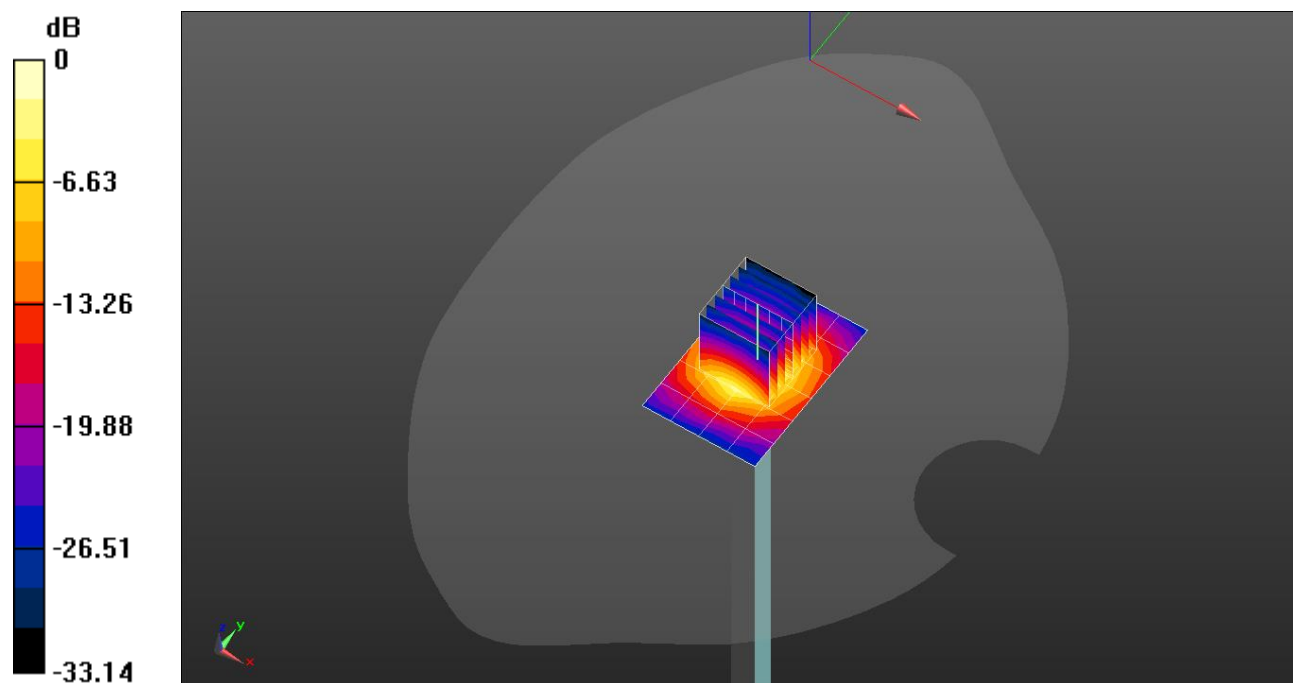
dz=1.4mm

Reference Value = 67.97 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 15.5 W/kg

SAR(1 g) = 6.05 W/kg; SAR(10 g) = 2.36 W/kg

Maximum value of SAR (measured) = 11.4 W/kg

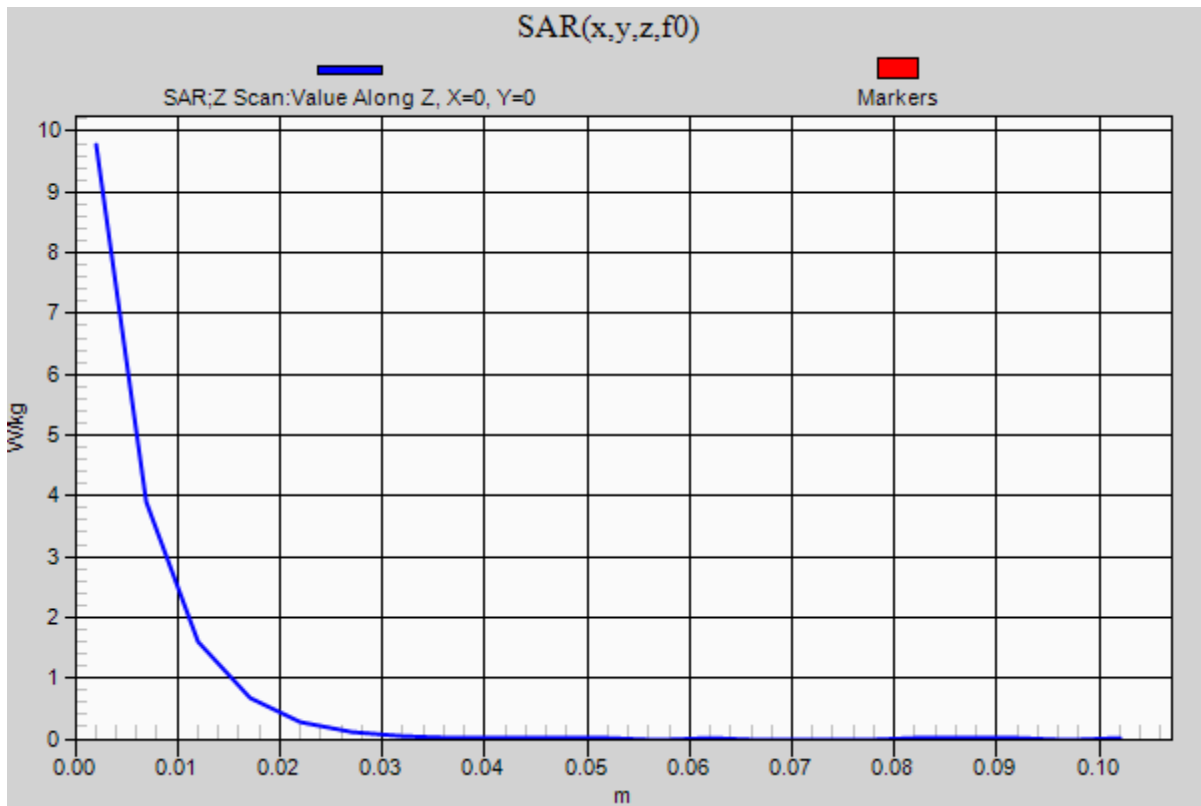


0 dB = 11.4 W/kg = 10.57 dBW/kg

20220506_SystemPerformanceCheck D3500V2 SN1121

Frequency: 3500 MHz; Duty Cycle: 1:1

Head/3500MHz, Pin=100mW/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 9.78 W/kg



20220523_SystemPerformanceCheck D3900V2 SN1069

Frequency: 3900 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C

Medium parameters used: $f = 3900$ MHz; $\sigma = 3.299$ S/m; $\epsilon_r = 36.717$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Averaged Fast SAR: Polynomial fit
- Electronics: DAE3 Sn479; Calibrated: 2021-10-12
- Probe: EX3DV4 - SN7376; ConvF(6.93, 6.93, 6.93) @ 3900 MHz; Calibrated: 2021-07-30
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (Right); Type: QD 000 P40 CD; Serial: 1855

Head/3900MHz, Pin=100mW 2/Area Scan (5x7x1): Measurement grid: dx=12mm, dy=12mm

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

Head/3900MHz, Pin=100mW 2/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=5mm, dy=5mm,

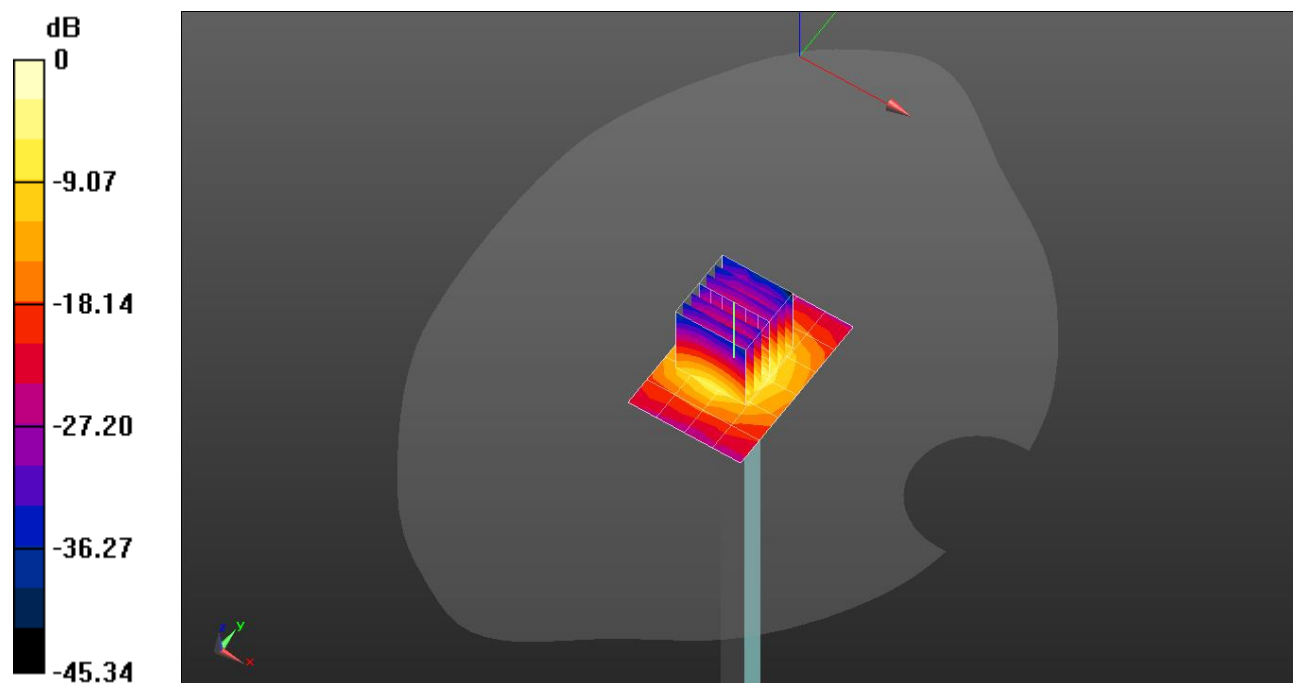
dz=1.4mm

Reference Value = 69.18 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 21.5 W/kg

SAR(1 g) = 7.37 W/kg; SAR(10 g) = 2.63 W/kg

Maximum value of SAR (measured) = 15.1 W/kg

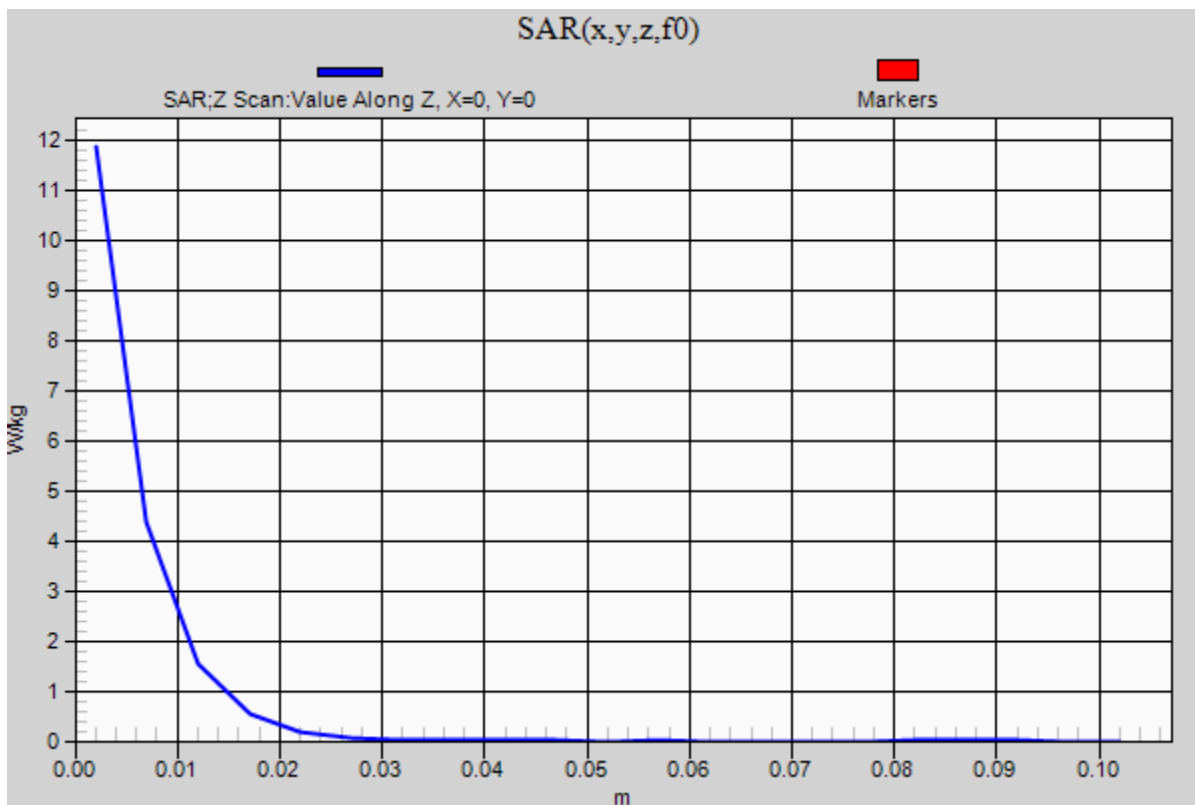


0 dB = 15.1 W/kg = 11.79 dBW/kg

20220523_SystemPerformanceCheck D3900V2 SN1069

Frequency: 3900 MHz; Duty Cycle: 1:1

Head/3900MHz, Pin=100mW 2/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 11.8 W/kg



20220530_SystemPerformanceCheck-D1750V2 SN 1180

Frequency: 1750 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C

Medium parameters used: $f = 1750$ MHz; $\sigma = 1.36$ S/m; $\epsilon_r = 40.056$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Averaged Fast SAR: Polynomial fit
- Electronics: DAE4 Sn1468; Calibrated: 2021-09-27
- Probe: EX3DV4 - SN7330; ConvF(8.9, 8.9, 8.9) @ 1750 MHz; Calibrated: 2022-01-28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (Right); Type: QD 000 P40 CD; Serial: 1855

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

Maximum value of SAR (measured) = 4.43 W/kg

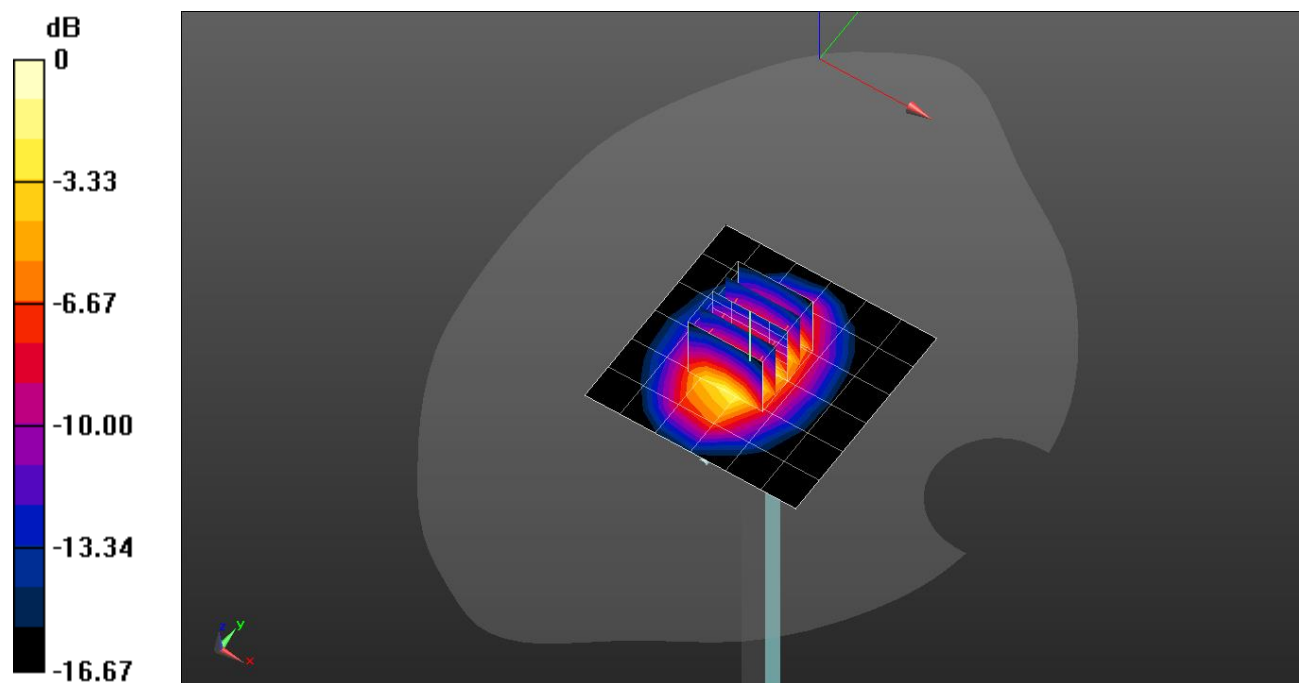
Head/Pin=100 mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 54.97 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 6.01 W/kg

SAR(1 g) = 3.36 W/kg; SAR(10 g) = 1.82 W/kg

Maximum value of SAR (measured) = 5.09 W/kg

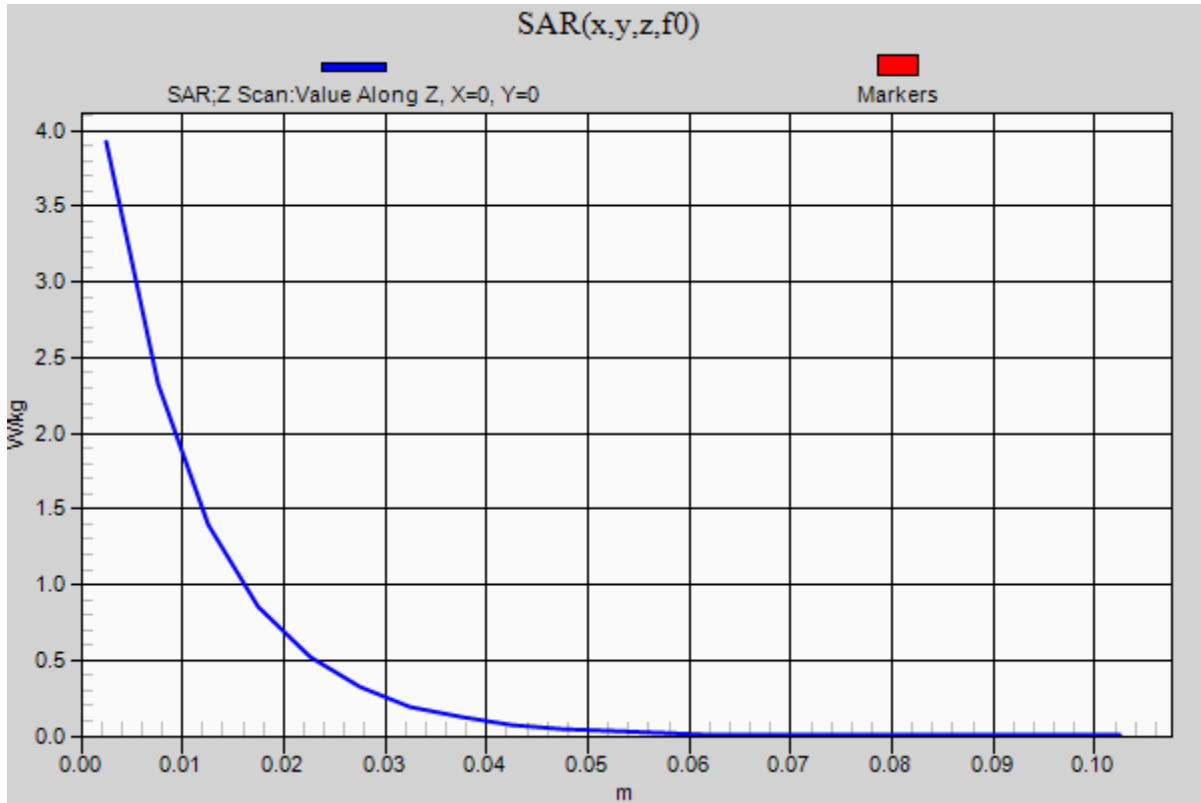


0 dB = 5.09 W/kg = 7.07 dBW/kg

20220530_SystemPerformanceCheck-D1750V2 SN 1180

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) = 3.93 W/kg



20220530_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; $\sigma = 1.441$ S/m; $\epsilon_r = 39.773$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Averaged Fast SAR: Polynomial fit
- Electronics: DAE4 Sn1468; Calibrated: 2021-09-27
- Probe: EX3DV4 - SN7330; ConvF(8.73, 8.73, 8.73) @ 1900 MHz; Calibrated: 2022-01-28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (Right); Type: QD 000 P40 CD; Serial: 1855

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

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

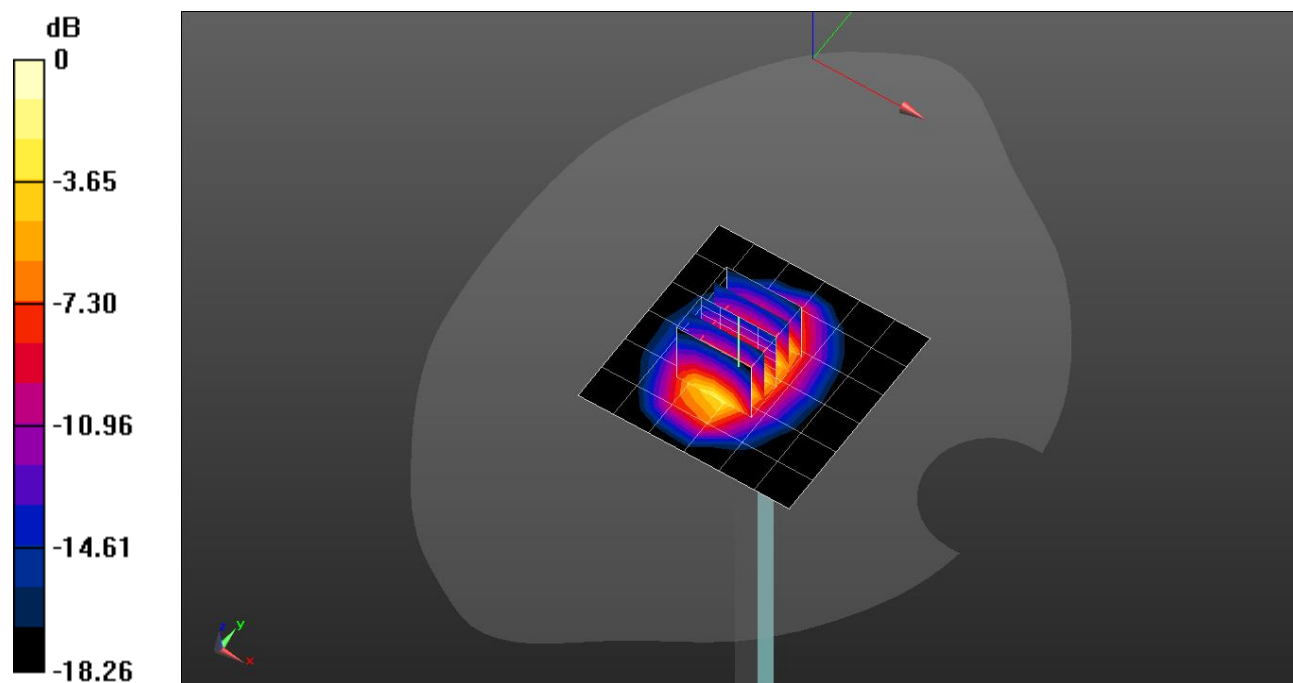
Head/Pin=100 mW CW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 56.46 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 6.93 W/kg

SAR(1 g) = 3.7 W/kg; SAR(10 g) = 1.91 W/kg

Maximum value of SAR (measured) = 5.80 W/kg

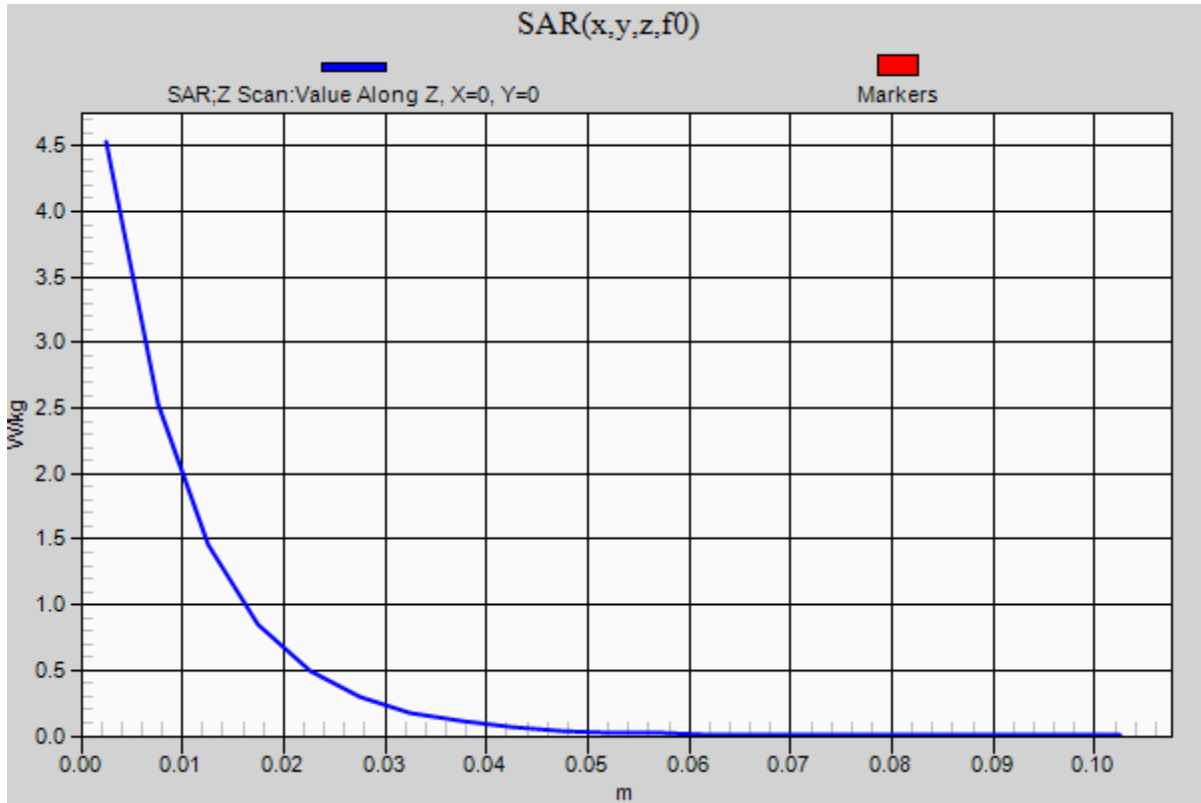


0 dB = 5.80 W/kg = 7.63 dBW/kg

20220530_SystemPerformanceCheck-D1900V2 SN 5d190

Frequency: 1900 MHz; Duty Cycle: 1:1

Head/Pin=100 mW CW/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 4.53 W/kg



20220606_SystemPerformancecheck 2450_SN939

Frequency: 2450 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C

Medium parameters used: $f = 2450$ MHz; $\sigma = 1.872$ S/m; $\epsilon_r = 37.896$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Averaged Fast SAR: Polynomial fit
- Electronics: DAE4 Sn1591; Calibrated: 2022-03-24
- Probe: EX3DV4 - SN7652; ConvF(8.4, 8.4, 8.4) @ 2450 MHz; Calibrated: 2022-04-28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CE; Serial: xxxx

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

Maximum value of SAR (measured) = 6.84 W/kg

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

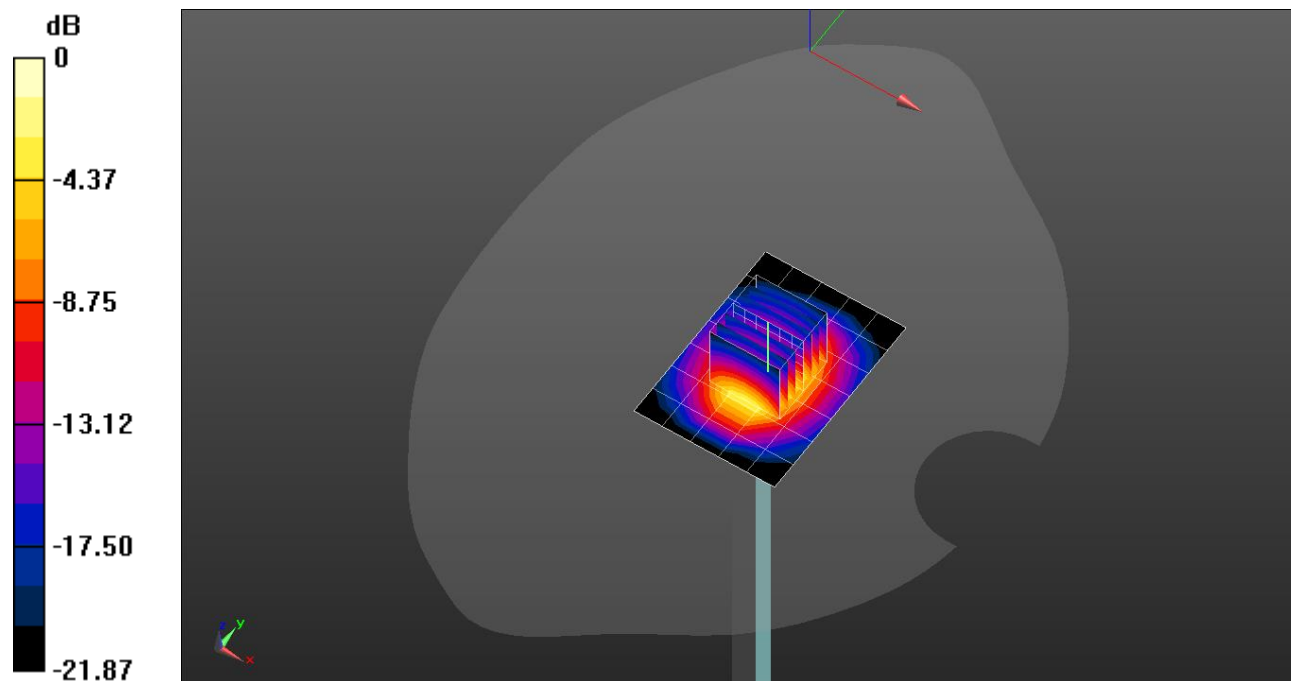
dz=5mm

Reference Value = 64.76 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 11.6 W/kg

SAR(1 g) = 5.48 W/kg; SAR(10 g) = 2.58 W/kg

Maximum value of SAR (measured) = 9.24 W/kg

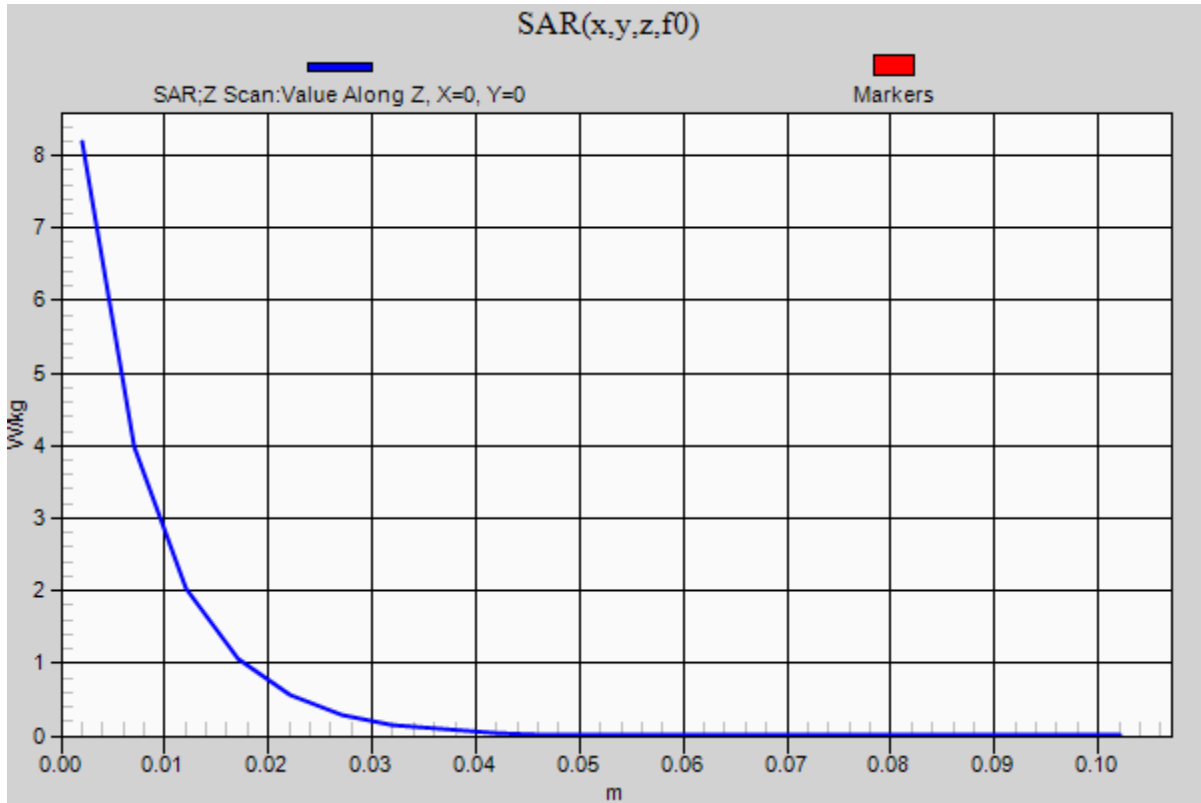


0 dB = 9.24 W/kg = 9.66 dBW/kg

20220606_SystemPerformancecheck 2450_SN939

Frequency: 2450 MHz; Duty Cycle: 1:1

Head/2450MHz/Pin=100mW/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 8.19 W/kg



20220610_SystemPerformancecheck 2600_SN1178

Frequency: 2600 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used: $f = 2600$ MHz; $\sigma = 1.959$ S/m; $\epsilon_r = 37.768$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Averaged Fast SAR: Polynomial fit
- Electronics: DAE4 Sn1591; Calibrated: 2022-03-24
- Probe: EX3DV4 - SN7652; ConvF(7.94, 7.94, 7.94) @ 2600 MHz; Calibrated: 2022-04-28
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (30deg probe tilt); Type: QD 000 P40 CE; Serial: xxxx

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

Maximum value of SAR (measured) = 7.93 W/kg

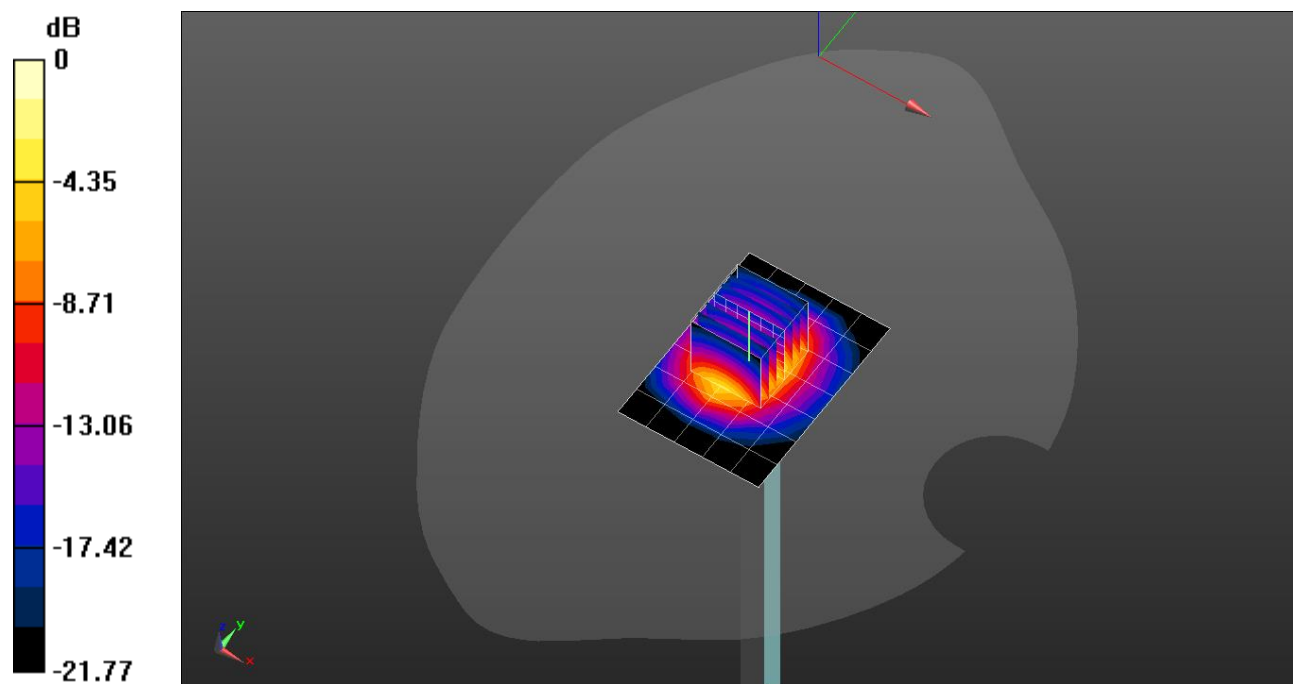
Head/2600MHz/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 63.46 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 12.2 W/kg

SAR(1 g) = 5.94 W/kg; SAR(10 g) = 2.75 W/kg

Maximum value of SAR (measured) = 8.40 W/kg

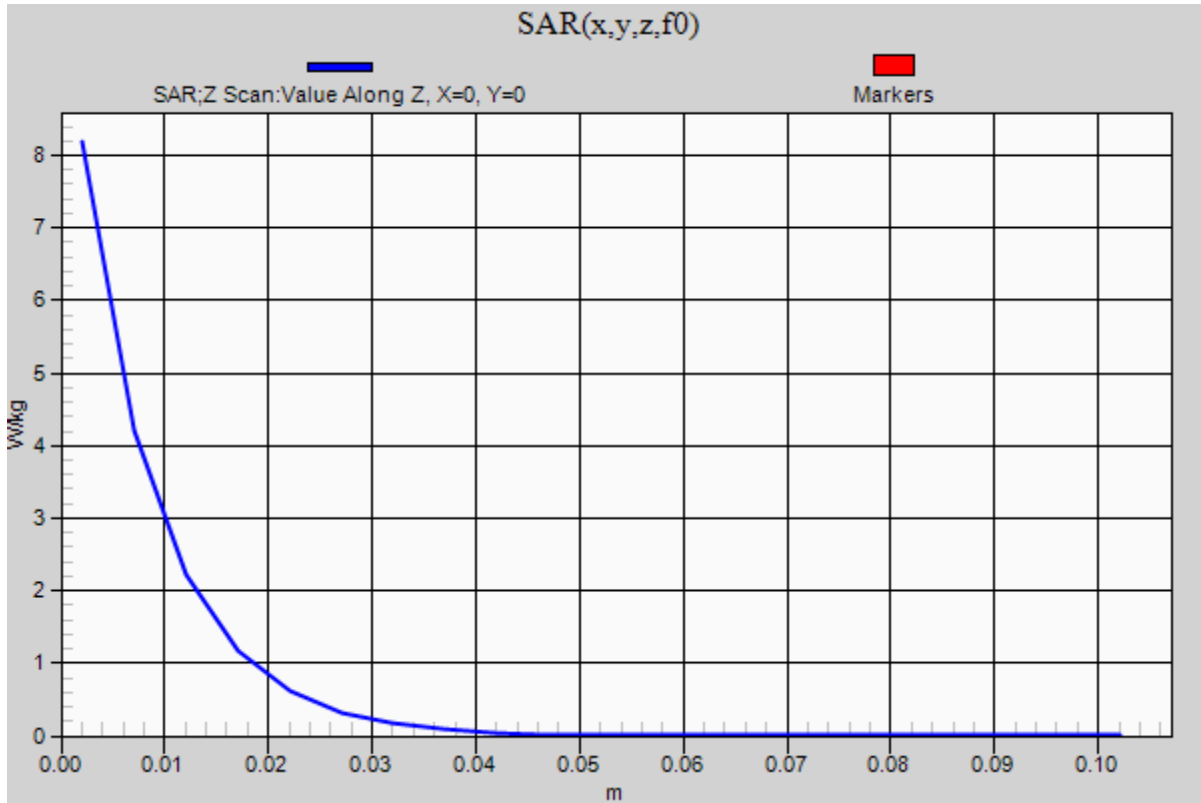


0 dB = 8.40 W/kg = 9.24 dBW/kg

20220610_SystemPerformancecheck 2600_SN1178

Frequency: 2600 MHz; Duty Cycle: 1:1

Head/2600MHz/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 8.18 W/kg



20220420_SystemPerformanceCheck-D835V2 SN 4d174

Frequency: 835 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.928 \text{ S/m}$; $\epsilon_r = 40.286$; $\rho = 1000 \text{ kg/m}^3$

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Averaged Fast SAR: Polynomial fit
- Electronics: DAE4 Sn1447; Calibrated: 2022-03-25
- Probe: EX3DV4 - SN7646; ConvF(10.3, 10.3, 10.3) @ 835 MHz; Calibrated: 2022-03-29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: 1751

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

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

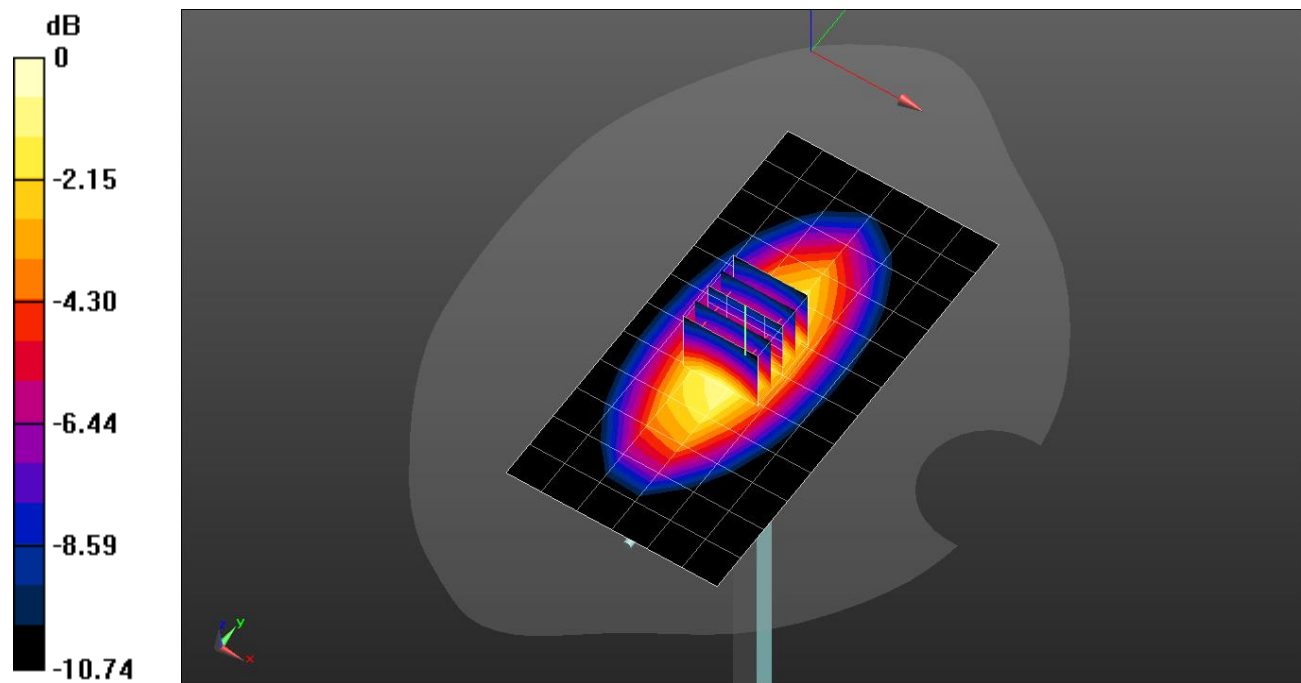
Head/Pin=100 mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 36.49 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 1.60 W/kg

SAR(1 g) = 1.03 W/kg; SAR(10 g) = 0.673 W/kg

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

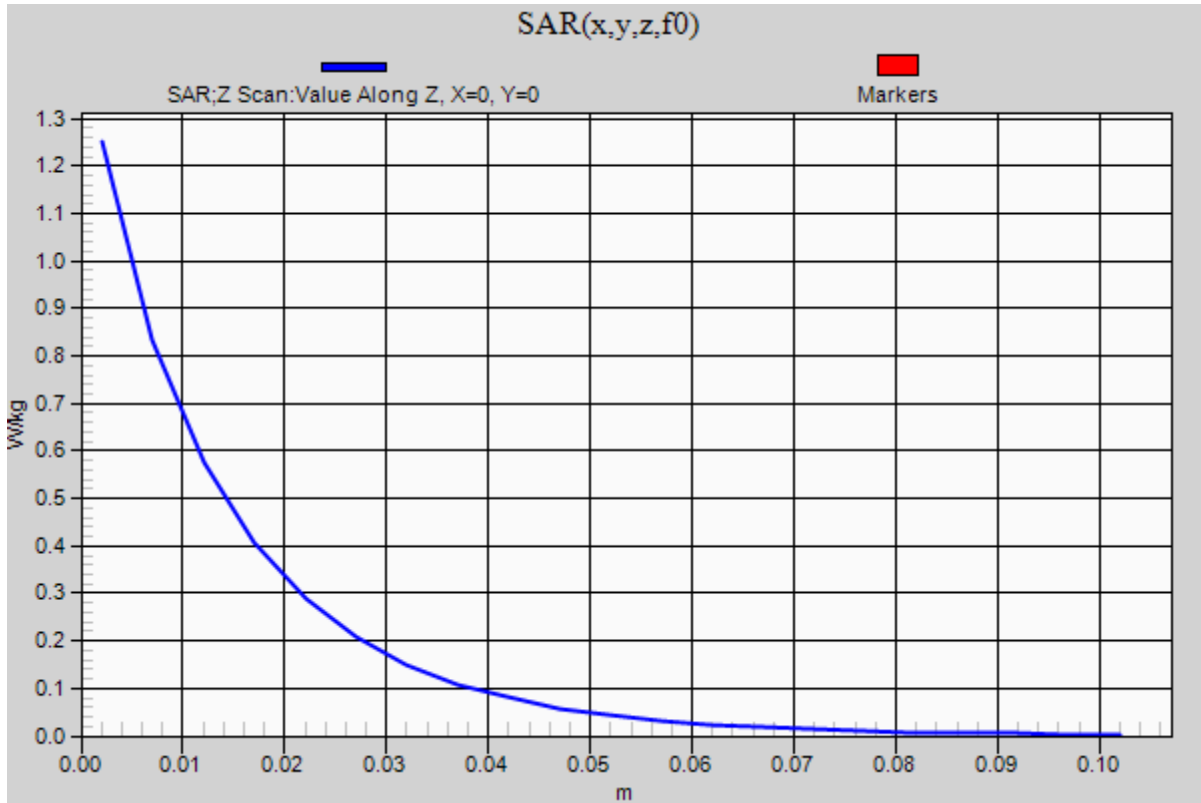


0 dB = 1.40 W/kg = 1.46 dBW/kg

20220420_SystemPerformanceCheck-D835V2 SN 4d174

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



20220602_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: $f = 750 \text{ MHz}$; $\sigma = 0.868 \text{ S/m}$; $\epsilon_r = 42.602$; $\rho = 1000 \text{ kg/m}^3$

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Averaged Fast SAR: Polynomial fit
- Electronics: DAE4 Sn1447; Calibrated: 2022-03-25
- Probe: EX3DV4 - SN7646; ConvF(10.57, 10.57, 10.57) @ 750 MHz; Calibrated: 2022-03-29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: 1751

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

Maximum value of SAR (measured) = 1.08 W/kg

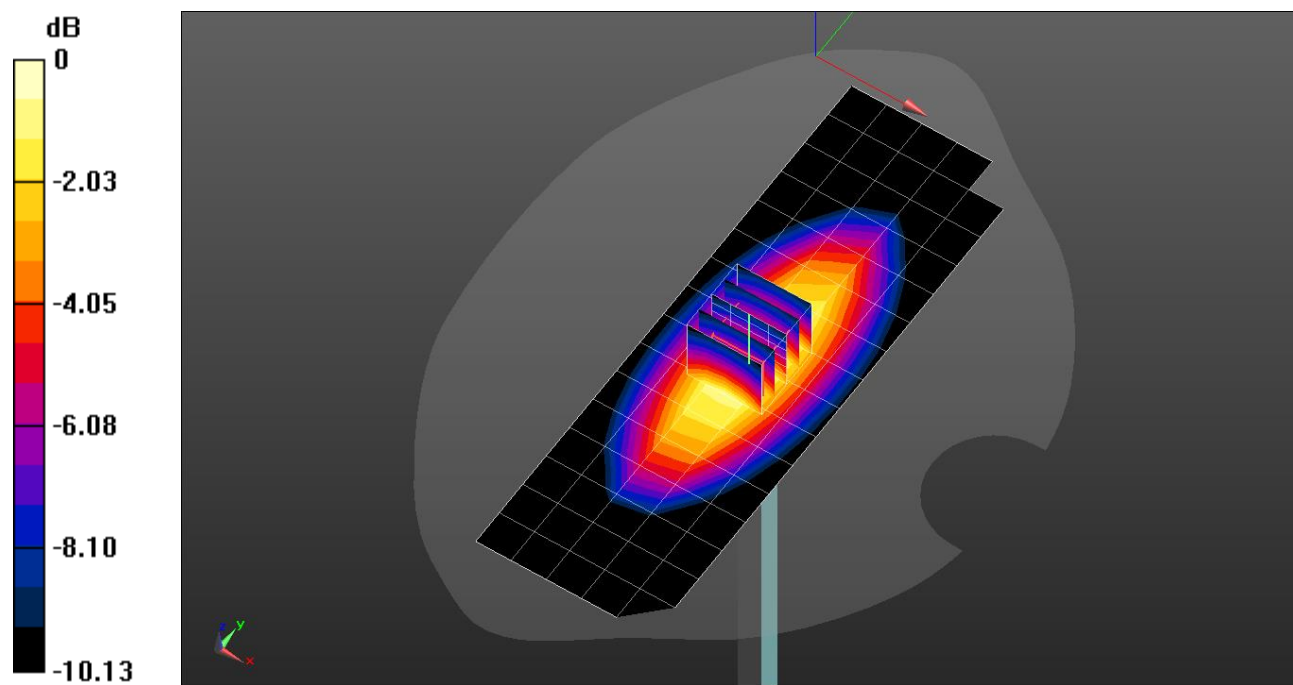
Head/Pin=100 mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 35.46 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.46 W/kg

SAR(1 g) = 0.916 W/kg; SAR(10 g) = 0.608 W/kg

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

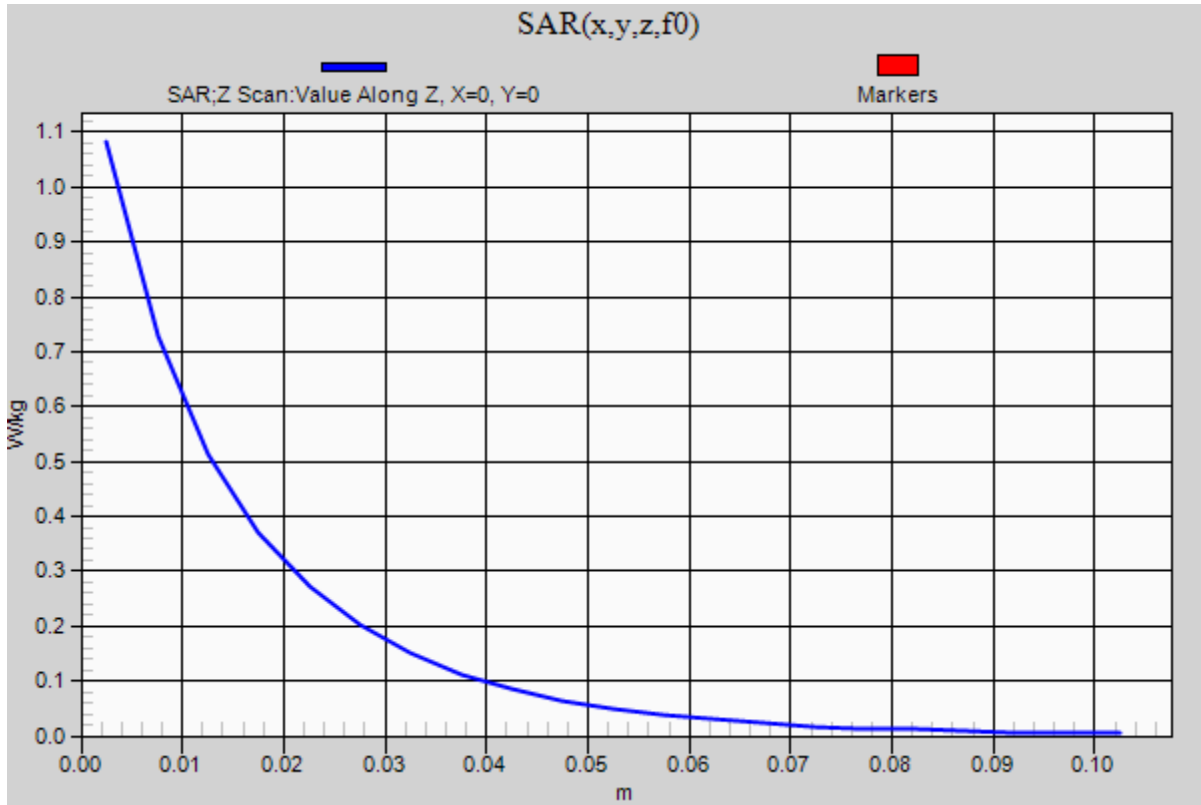


0 dB = 1.25 W/kg = 0.97 dBW/kg

20220602_SystemPerformanceCheck-D750V3 SN 1205

Frequency: 750 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) = 1.08 W/kg



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

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	,		, 0--	13.0, 0	17.91	0.737	50.8

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V6.0 (20deg probe tilt) - xxxx	HBBL-600-10000 Charge:xxxx, 2022-Jun-01	EX3DV4 - SN7313, 2022-03-02	DAE4 Sn1343, 2021-08-23

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	2022-06-01, 14:22	2022-06-01
psSAR1g [W/kg]	0.052	0.049
psSAR10g [W/kg]	0.042	0.031
Power Drift [dB]	-0.02	-0.02

