

## 20220711\_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;  $\sigma = 1.357$  S/m;  $\epsilon_r = 38.583$ ;  $\rho = 1000$  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 0.012W/kg
- Averaged Fast SAR: Polynomial fit
- Electronics: DAE4 Sn1343; Calibrated: 2021-08-23
- Probe: EX3DV4 - SN7651; ConvF(8.93, 8.93, 8.93) @ 1750 MHz; Calibrated: 2022-05-30
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI V6.0 (20deg probe tilt); Type: QD OVA 003 AA; Serial: 2013

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

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

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

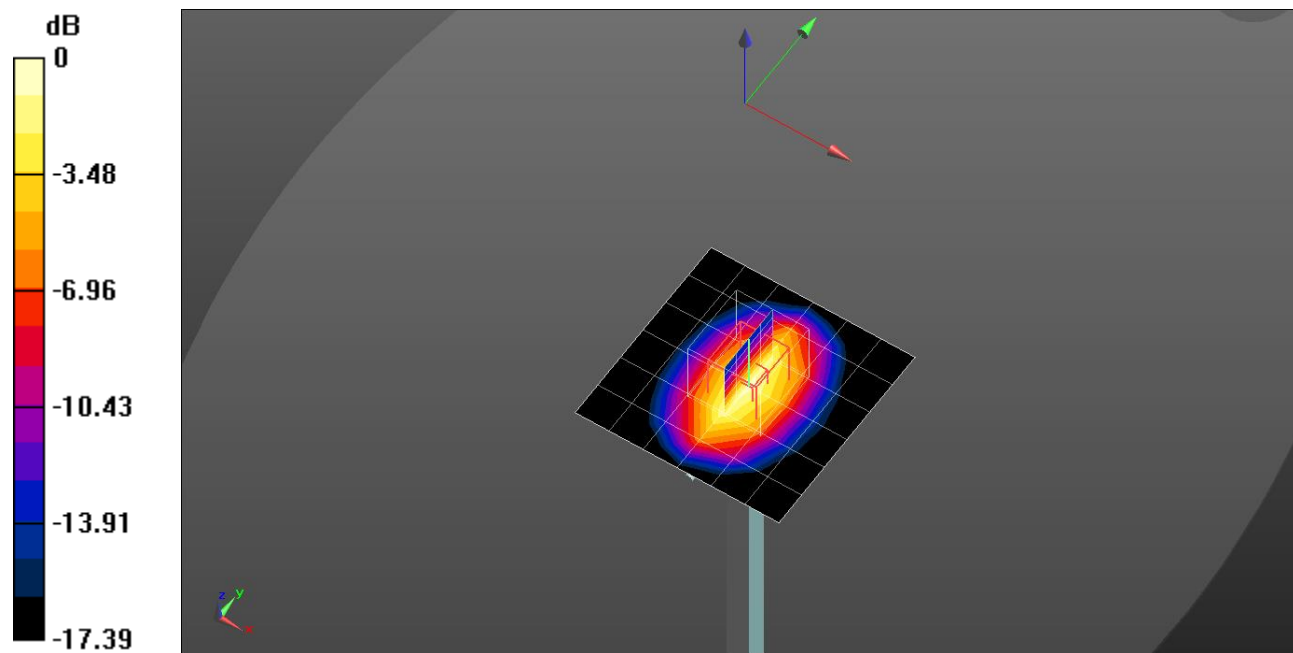
dz=5mm

Reference Value = 60.67 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 7.00 W/kg

**SAR(1 g) = 3.72 W/kg; SAR(10 g) = 1.96 W/kg**

Maximum value of SAR (measured) = 5.86 W/kg



0 dB = 5.86 W/kg = 7.68 dBW/kg

## 20220727\_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;  $\sigma = 2.88$  S/m;  $\epsilon_r = 38.666$ ;  $\rho = 1000$  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 0.012W/kg
- Averaged Fast SAR: Polynomial fit
- Electronics: DAE4 Sn1668; Calibrated: 2022-04-27
- Probe: EX3DV4 - SN7313; ConvF(6.9, 6.9, 6.9) @ 3500 MHz; Calibrated: 2022-03-02
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Type: QDOVA003AA; Serial: TP:xxxx

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

Maximum value of SAR (measured) = 12.0 W/kg

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

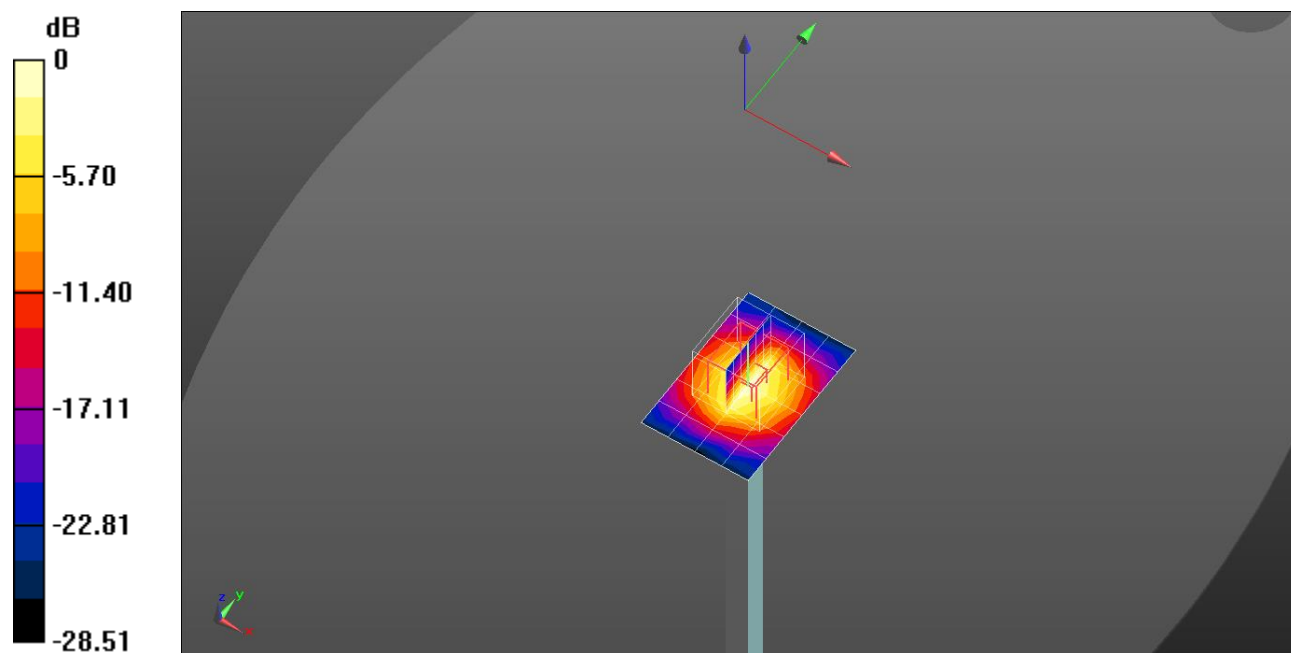
dz=1.4mm

Reference Value = 67.11 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 16.9 W/kg

**SAR(1 g) = 6.21 W/kg; SAR(10 g) = 2.42 W/kg**

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



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

## 20220727\_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;  $\sigma = 3.072$  S/m;  $\epsilon_r = 38.333$ ;  $\rho = 1000$  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 0.012W/kg
- Averaged Fast SAR: Polynomial fit
- Electronics: DAE4 Sn1668; Calibrated: 2022-04-27
- Probe: EX3DV4 - SN7313; ConvF(6.88, 6.88, 6.88) @ 3700 MHz; Calibrated: 2022-03-02
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Type: QDOVA003AA; Serial: TP:xxxx

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

Maximum value of SAR (measured) = 13.1 W/kg

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

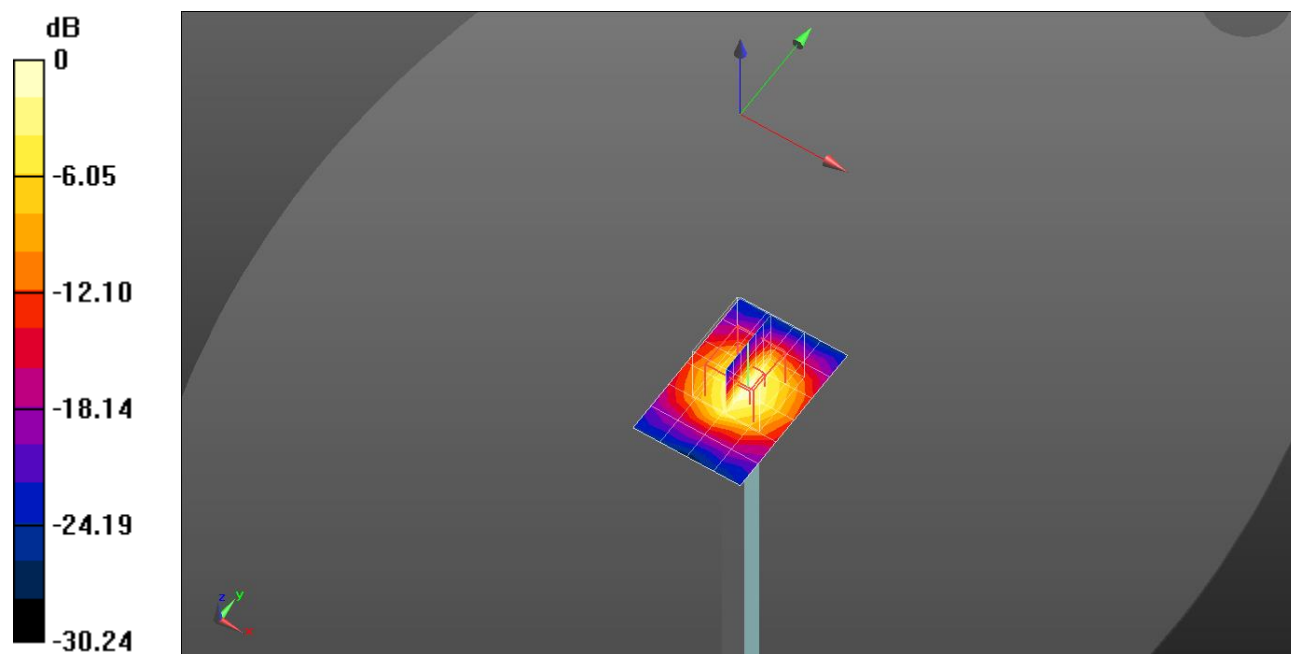
dz=1.4mm

Reference Value = 66.44 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 17.7 W/kg

**SAR(1 g) = 6.43 W/kg; SAR(10 g) = 2.44 W/kg**

Maximum value of SAR (measured) = 12.4 W/kg



0 dB = 12.4 W/kg = 10.93 dBW/kg

## 20220727\_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;  $\sigma = 3.264$  S/m;  $\epsilon_r = 38.034$ ;  $\rho = 1000$  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 0.012W/kg
- Averaged Fast SAR: Polynomial fit
- Electronics: DAE4 Sn1668; Calibrated: 2022-04-27
- Probe: EX3DV4 - SN7313; ConvF(6.47, 6.47, 6.47) @ 3900 MHz; Calibrated: 2022-03-02
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Type: QDOVA003AA; Serial: TP:xxxx

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

Maximum value of SAR (measured) = 12.7 W/kg

**Head/3900MHz, Pin=100mW 2/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm,

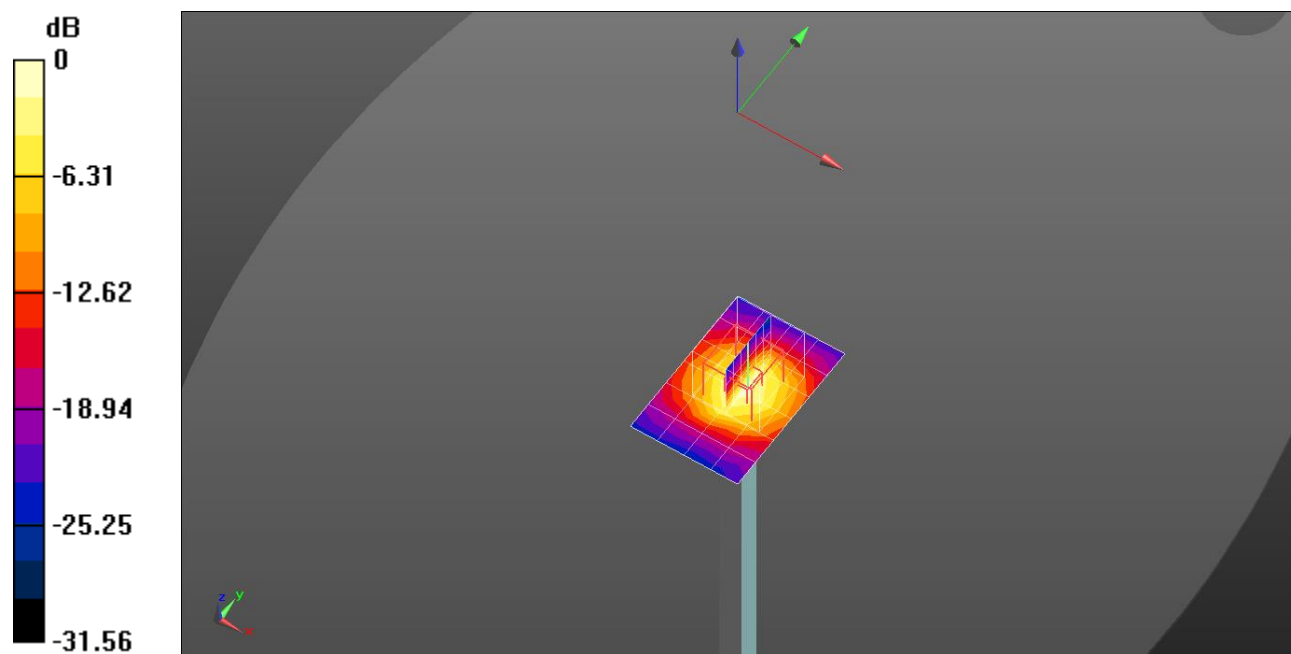
dz=1.4mm

Reference Value = 67.71 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 18.1 W/kg

**SAR(1 g) = 6.51 W/kg; SAR(10 g) = 2.38 W/kg**

Maximum value of SAR (measured) = 12.8 W/kg



0 dB = 12.8 W/kg = 11.07 dBW/kg

**20220705\_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;  $\sigma = 0.938$  S/m;  $\epsilon_r = 41.708$ ;  $\rho = 1000$  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 0.012W/kg
- Averaged Fast SAR: Polynomial fit
- Electronics: DAE4 Sn1671; Calibrated: 2022-05-31
- Probe: EX3DV4 - SN7314; ConvF(9.42, 9.42, 9.42) @ 835 MHz; Calibrated: 2022-05-31
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Type: QDOVA003AA; Serial: TP:2005

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

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

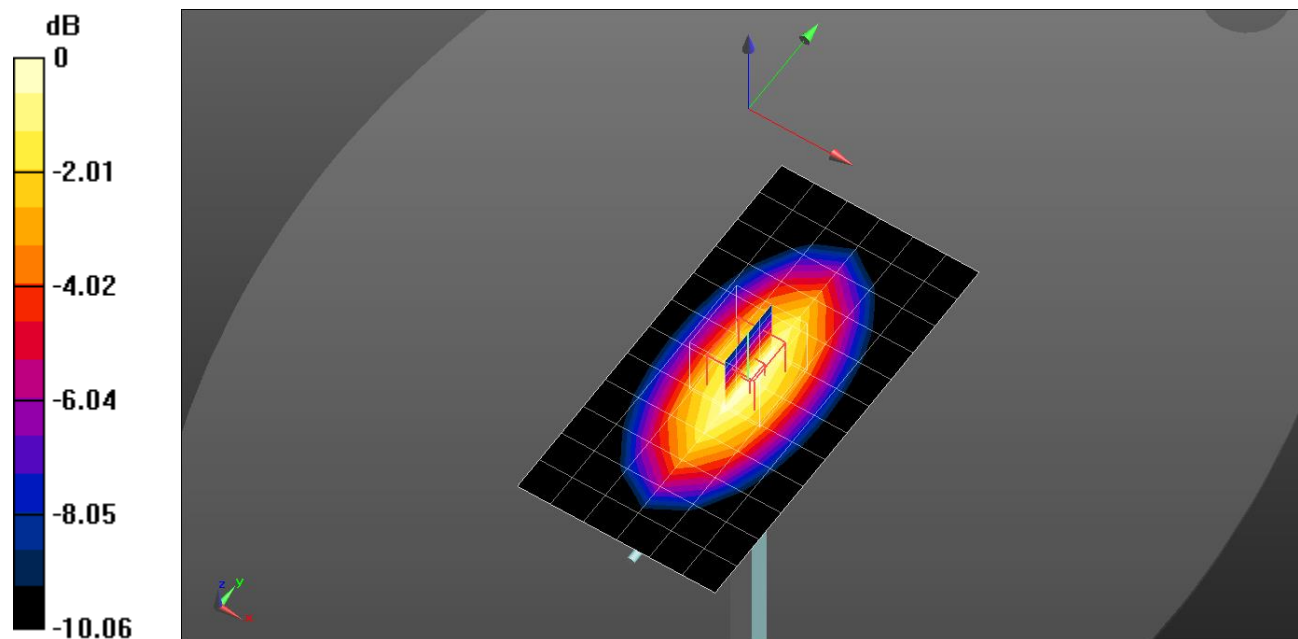
**Head/835MHz, Pin=100 mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 36.77 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.51 W/kg

**SAR(1 g) = 1.02 W/kg; SAR(10 g) = 0.678 W/kg**

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



0 dB = 1.24 W/kg = 0.93 dBW/kg

## 20220714\_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;  $\sigma = 1.418$  S/m;  $\epsilon_r = 38.655$ ;  $\rho = 1000$  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 0.012W/kg
- Averaged Fast SAR: Polynomial fit
- Electronics: DAE4 Sn1671; Calibrated: 2022-05-31
- Probe: EX3DV4 - SN7314; ConvF(8.08, 8.08, 8.08) @ 1900 MHz; Calibrated: 2022-05-31
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Type: QDOVA003AA; Serial: TP:2005

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

Maximum value of SAR (measured) = 5.88 W/kg

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

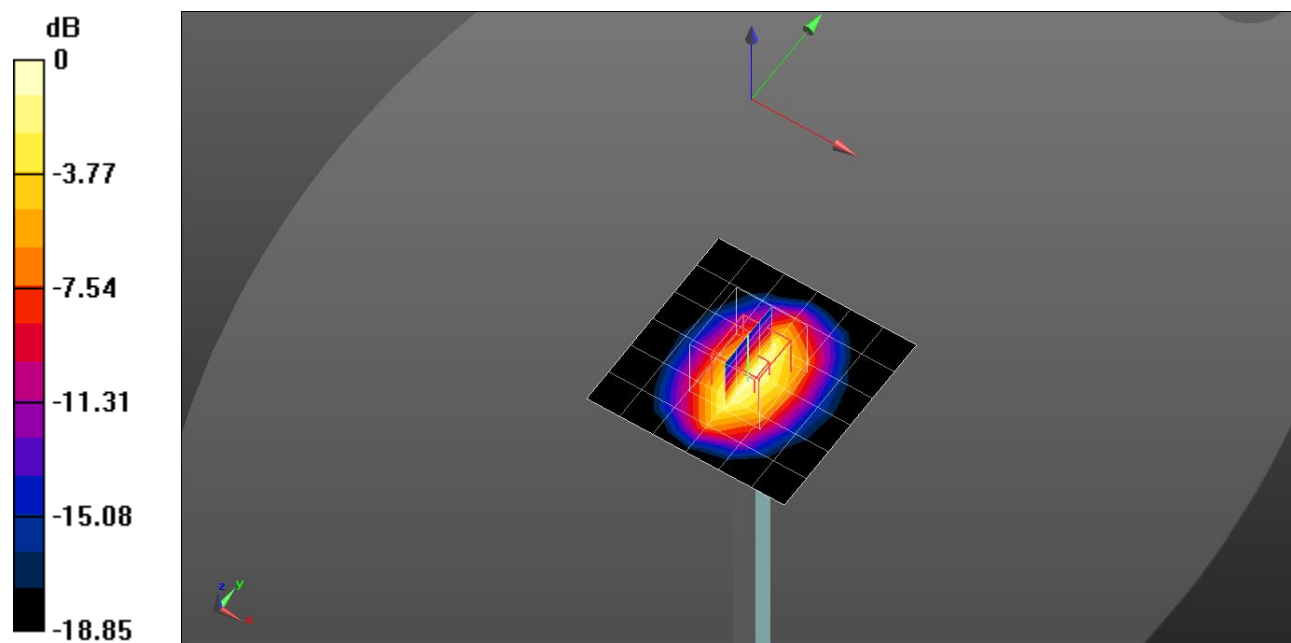
Reference Value = 58.91 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 7.15 W/kg

Peak SAR (extrapolated) = 7.15 W/kg

**SAR(1 g) = 3.73 W/kg; SAR(10 g) = 1.92 W/kg**

Maximum value of SAR (measured) = 5.89 W/kg



0 dB = 5.89 W/kg = 7.70 dBW/kg

**20220728\_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;  $\sigma = 1.369$  S/m;  $\epsilon_r = 39.075$ ;  $\rho = 1000$  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 0.012W/kg
- Averaged Fast SAR: Polynomial fit
- Electronics: DAE4 Sn1671; Calibrated: 2022-05-31
- Probe: EX3DV4 - SN7651; ConvF(8.93, 8.93, 8.93) @ 1750 MHz; Calibrated: 2022-05-30
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Type: QDOVA003AA; Serial: TP:2005

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

Maximum value of SAR (measured) = 5.39 W/kg

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

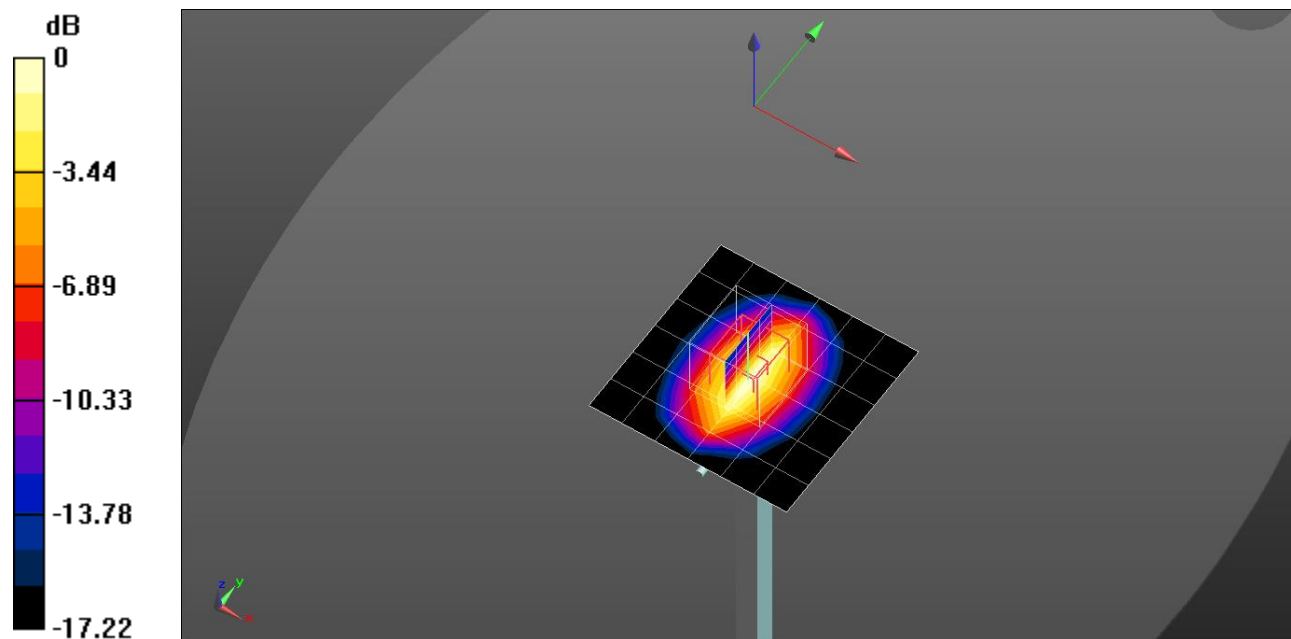
dz=5mm

Reference Value = 57.16 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 6.32 W/kg

**SAR(1 g) = 3.45 W/kg; SAR(10 g) = 1.83 W/kg**

Maximum value of SAR (measured) = 5.32 W/kg



0 dB = 5.32 W/kg = 7.26 dBW/kg

**20220805\_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;  $\sigma = 3.323$  S/m;  $\epsilon_r = 37.558$ ;  $\rho = 1000$  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 0.012W/kg
- Averaged Fast SAR: Polynomial fit
- Electronics: DAE4 Sn1670; Calibrated: 2022-06-07
- Probe: EX3DV4 - SN7645; ConvF(7.03, 7.03, 7.03) @ 3900 MHz; Calibrated: 2022-04-29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI V6.0 (20deg probe tilt) (Left); Type: QD OVA 003 AA; Serial: 2111

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

Maximum value of SAR (measured) = 12.2 W/kg

**Head/3900MHz, Pin=100mW 2/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm,

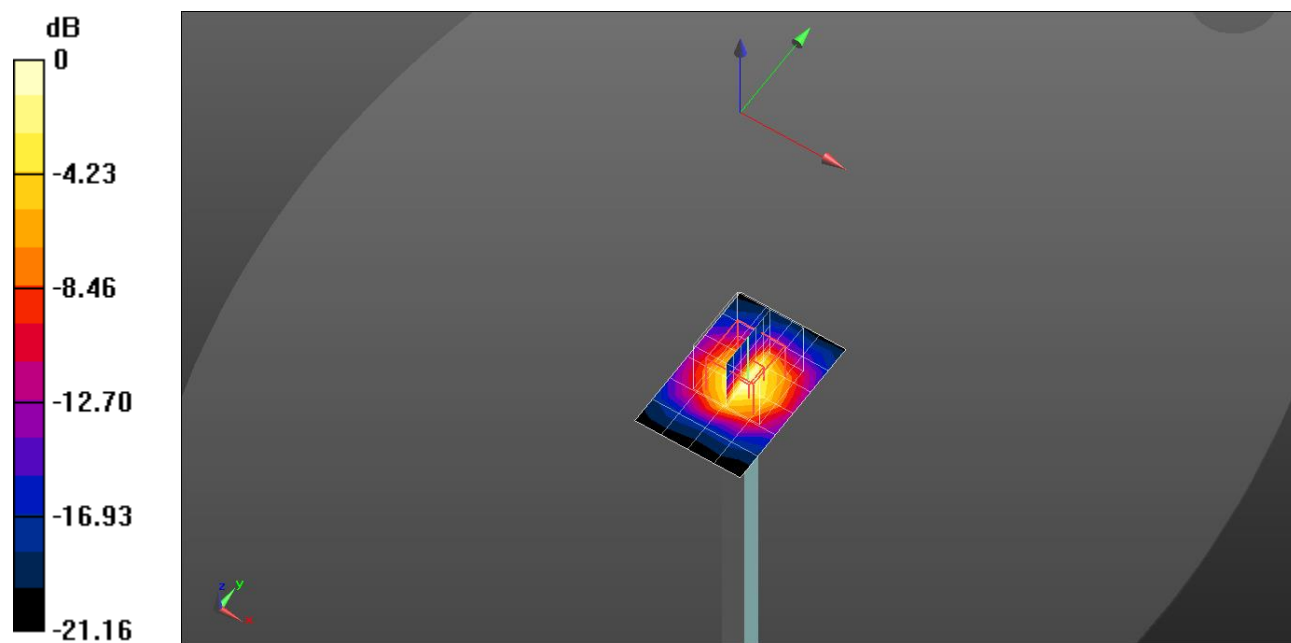
dz=1.4mm

Reference Value = 66.24 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 16.1 W/kg

**SAR(1 g) = 6.59 W/kg; SAR(10 g) = 2.5 W/kg**

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



0 dB = 12.5 W/kg = 10.97 dBW/kg



**20220705\_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;  $\sigma = 0.883$  S/m;  $\epsilon_r = 43.634$ ;  $\rho = 1000$  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 0.012W/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: ELI V6.0 (20deg probe tilt); Type: QD OVA 002 AA; Serial: 1195

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

Maximum value of SAR (measured) = 1.01 W/kg

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

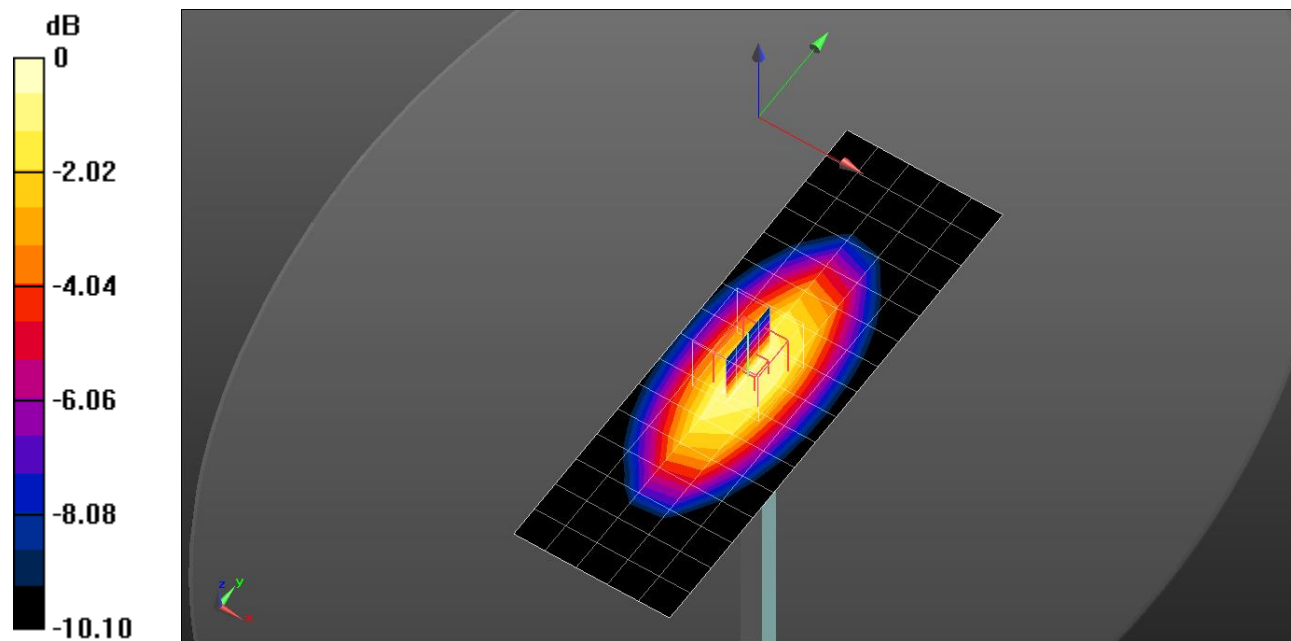
dz=5mm

Reference Value = 33.11 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 1.30 W/kg

**SAR(1 g) = 0.799 W/kg; SAR(10 g) = 0.528 W/kg**

Maximum value of SAR (measured) = 1.11 W/kg



0 dB = 1.11 W/kg = 0.45 dBW/kg

## 20220714\_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;  $\sigma = 5.063$  S/m;  $\epsilon_r = 35.028$ ;  $\rho = 1000$  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 0.012W/kg
- Averaged Fast SAR: Polynomial fit
- Electronics: DAE4 Sn1447; Calibrated: 2022-03-25
- Probe: EX3DV4 - SN7646; ConvF(5.25, 5.25, 5.25) @ 5600 MHz; Calibrated: 2022-03-29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI V6.0 (20deg probe tilt); Type: QD OVA 002 AA; Serial: 1195

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

Maximum value of SAR (measured) = 21.1 W/kg

**Head/5.6 GHz, Pin=100mW/Zoom Scan (8x8x8)/Cube 0:** Measurement grid: dx=4mm, dy=4mm,

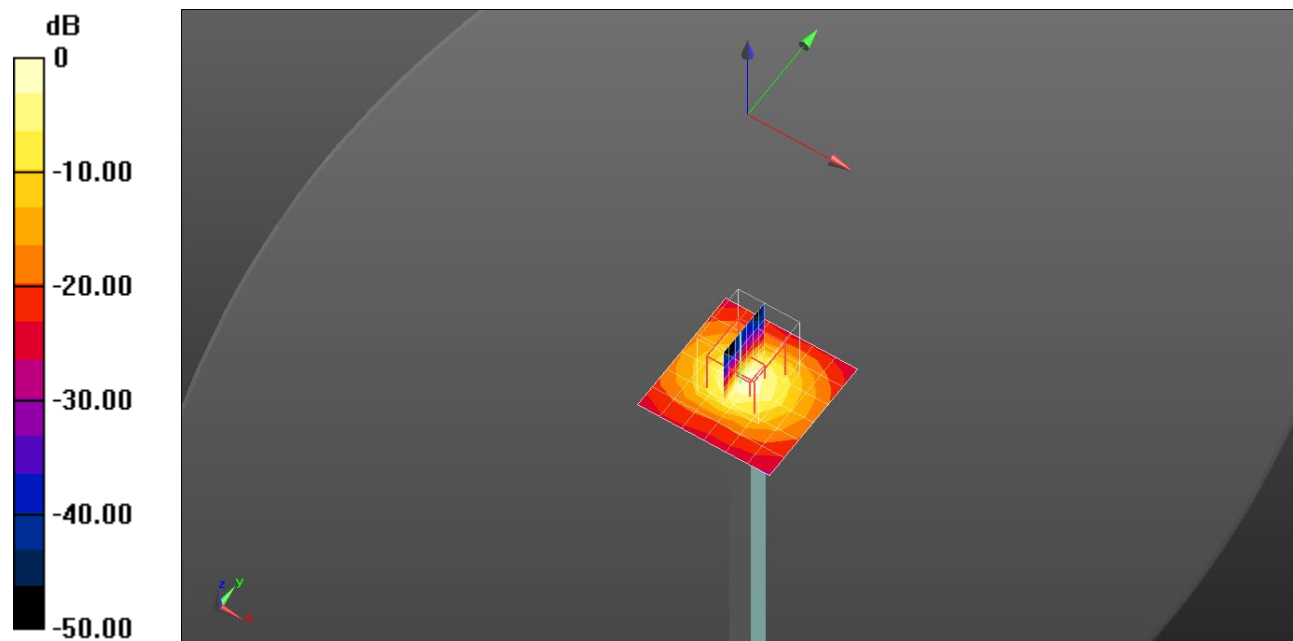
dz=1.4mm

Reference Value = 71.83 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 40.0 W/kg

**SAR(1 g) = 8.8 W/kg; SAR(10 g) = 2.47 W/kg**

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



0 dB = 21.8 W/kg = 13.38 dBW/kg

## 20220725\_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;  $\sigma = 1.832$  S/m;  $\epsilon_r = 37.637$ ;  $\rho = 1000$  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 0.012W/kg
- Averaged Fast SAR: Polynomial fit
- Electronics: DAE4 Sn1447; Calibrated: 2022-03-25
- Probe: EX3DV4 - SN7646; ConvF(8.34, 8.34, 8.34) @ 2450 MHz; Calibrated: 2022-03-29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI V6.0 (20deg probe tilt); Type: QD OVA 002 AA; Serial: 1195

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

Maximum value of SAR (measured) = 6.56 W/kg

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

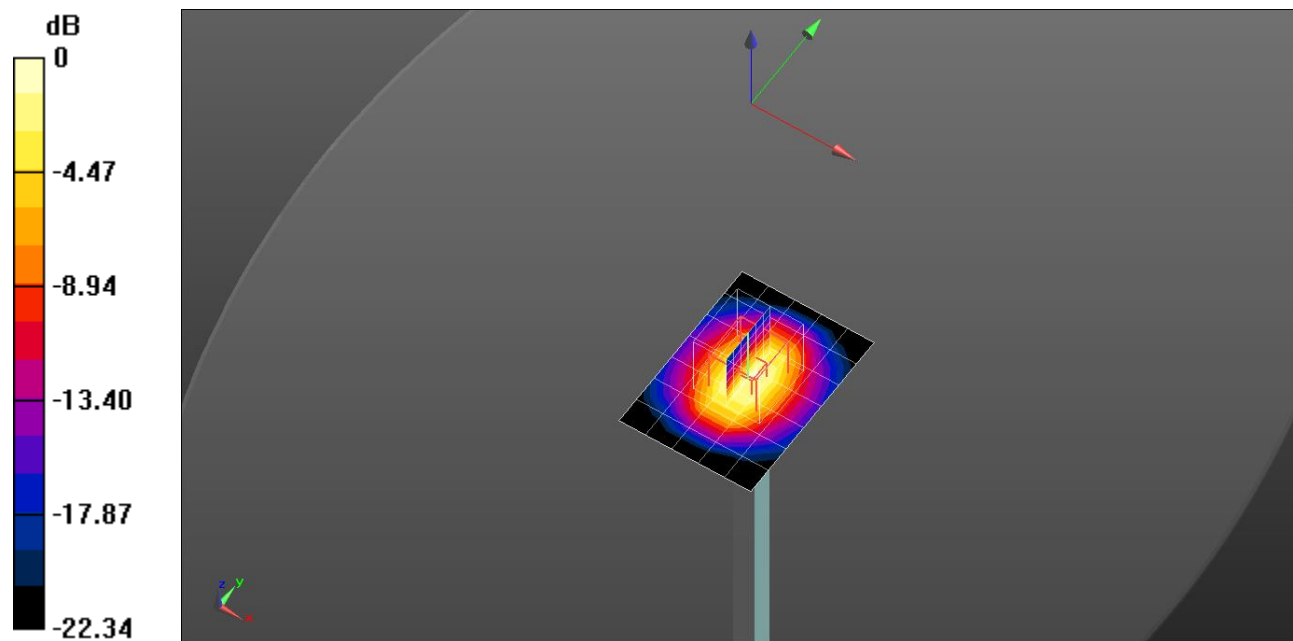
dz=5mm

Reference Value = 62.02 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 10.4 W/kg

**SAR(1 g) = 4.94 W/kg; SAR(10 g) = 2.28 W/kg**

Maximum value of SAR (measured) = 8.37 W/kg



0 dB = 8.37 W/kg = 9.23 dBW/kg

## 20220725\_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;  $\sigma = 1.95$  S/m;  $\epsilon_r = 37.34$ ;  $\rho = 1000$  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 0.012W/kg
- Averaged Fast SAR: Polynomial fit
- Electronics: DAE4 Sn1447; Calibrated: 2022-03-25
- Probe: EX3DV4 - SN7646; ConvF(8.16, 8.16, 8.16) @ 2600 MHz; Calibrated: 2022-03-29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI V6.0 (20deg probe tilt); Type: QD OVA 002 AA; Serial: 1195

**Head/2600MHz, Pin=100mW/Area Scan (6x8x1):** Measurement grid: dx=12mm, dy=12mm  
 Maximum value of SAR (measured) = 7.53 W/kg

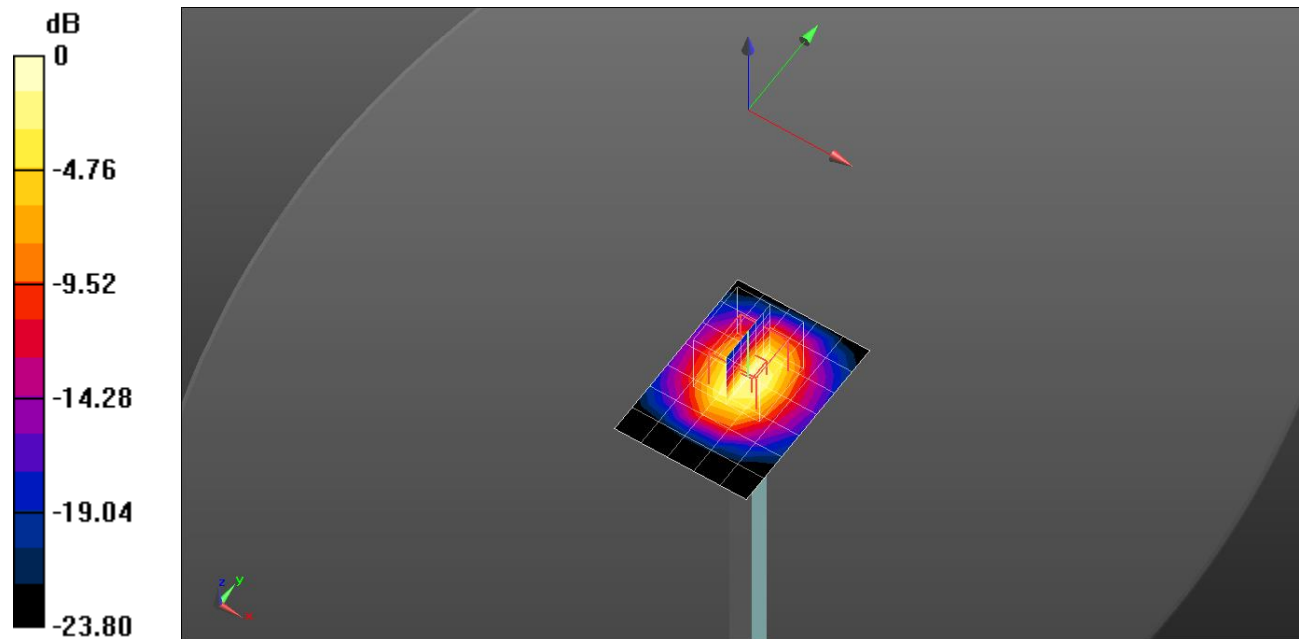
**Head/2600MHz, Pin=100mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 63.00 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 11.7 W/kg

**SAR(1 g) = 5.32 W/kg; SAR(10 g) = 2.36 W/kg**

Maximum value of SAR (measured) = 9.30 W/kg



0 dB = 9.30 W/kg = 9.68 dBW/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	0.757	53.7

### Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V6.0 (20deg probe tilt)	HBBL-600-10000, 2022-Jul-14	EX3DV4 - SN7313, 2022-03-02	DAE4 Sn1668, 2022-04-27

### 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	2022-07-14	2022-07-14
psSAR1g [W/kg]	0.051	0.050
psSAR10g [W/kg]	0.041	0.031
Power Drift [dB]		0.01

