

20240812_SystemPerformancecheck D2600V2_SN1097

Frequency: 2600 MHz; Communication System Channel Number: 0; Duty Cycle: 1:1
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used: $f = 2600$ MHz; $\sigma = 1.962$ S/m; $\epsilon_r = 37.846$; $\rho = 1000$ 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
- Electronics: DAE4 Sn1591; Calibrated: 2024-02-16
- Probe: EX3DV4 - SN7330; ConvF(8.11, 7.27, 7.17) @ 2600 MHz; Calibrated: 2024-01-22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (Middle); Phantom section: Flat Section ; Type: QD 000 P40 CD
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Head/2600MHz/Area Scan (6x8x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 6.91 W/kg

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

Reference Value = 62.93 V/m; Power Drift = -0.09 dB

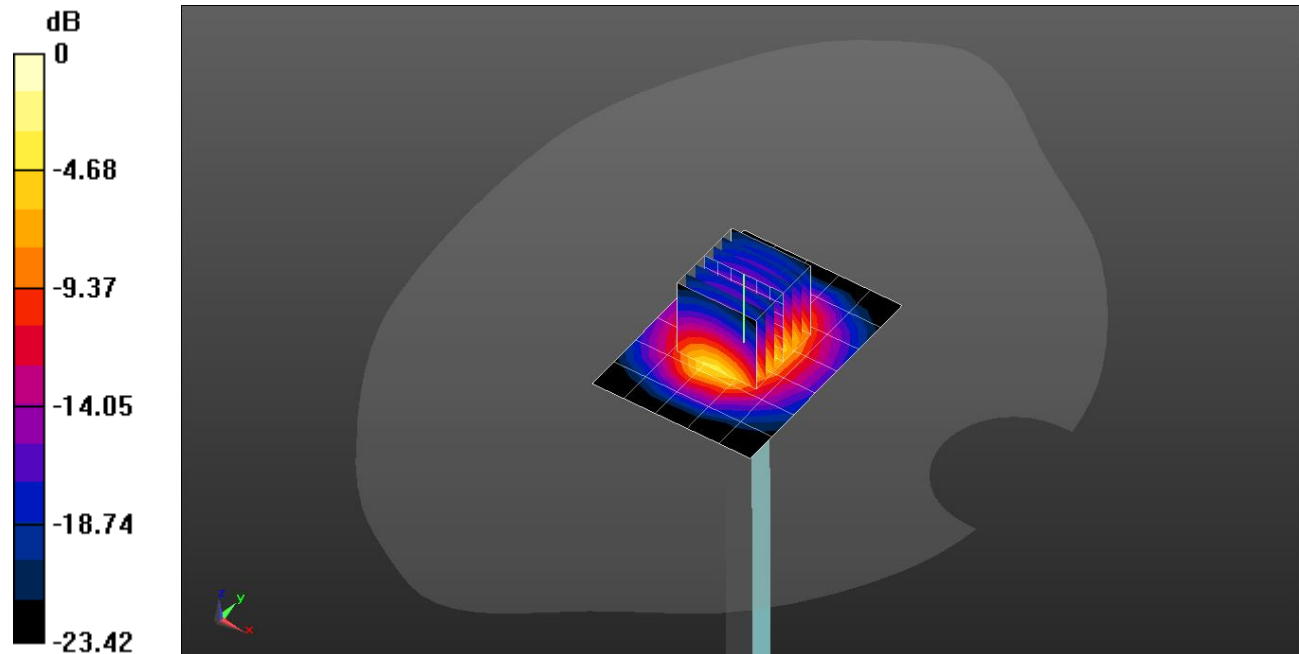
Peak SAR (extrapolated) = 11.1 W/kg

SAR(1 g) = 5.27 W/kg; SAR(10 g) = 2.37 W/kg

Smallest distance from peaks to all points 3 dB below = 9 mm

Ratio of SAR at M2 to SAR at M1 = 47.3%

Maximum value of SAR (measured) = 8.94 W/kg



0 dB = 8.94 W/kg = 9.51 dBW/kg

20240816_SystemPerformanceCheck-D750V2 SN 1122

Frequency: 750 MHz; Communication System Channel Number: 0; Duty Cycle: 1:1
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used: $f = 750 \text{ MHz}$; $\sigma = 0.932 \text{ S/m}$; $\epsilon_r = 41.224$; $\rho = 1000 \text{ kg/m}^3$

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1591; Calibrated: 2024-02-16
- Probe: EX3DV4 - SN7330; ConvF(10.3, 9.05, 9.05) @ 750 MHz; Calibrated: 2024-01-22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (Middle); Phantom section: Flat Section ; Type: QD 000 P40 CD
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Head/750MHz/Pin=100 mW/Area Scan (7x14x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (measured) = 1.11 W/kg

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

Reference Value = 37.67 V/m; Power Drift = -0.12 dB

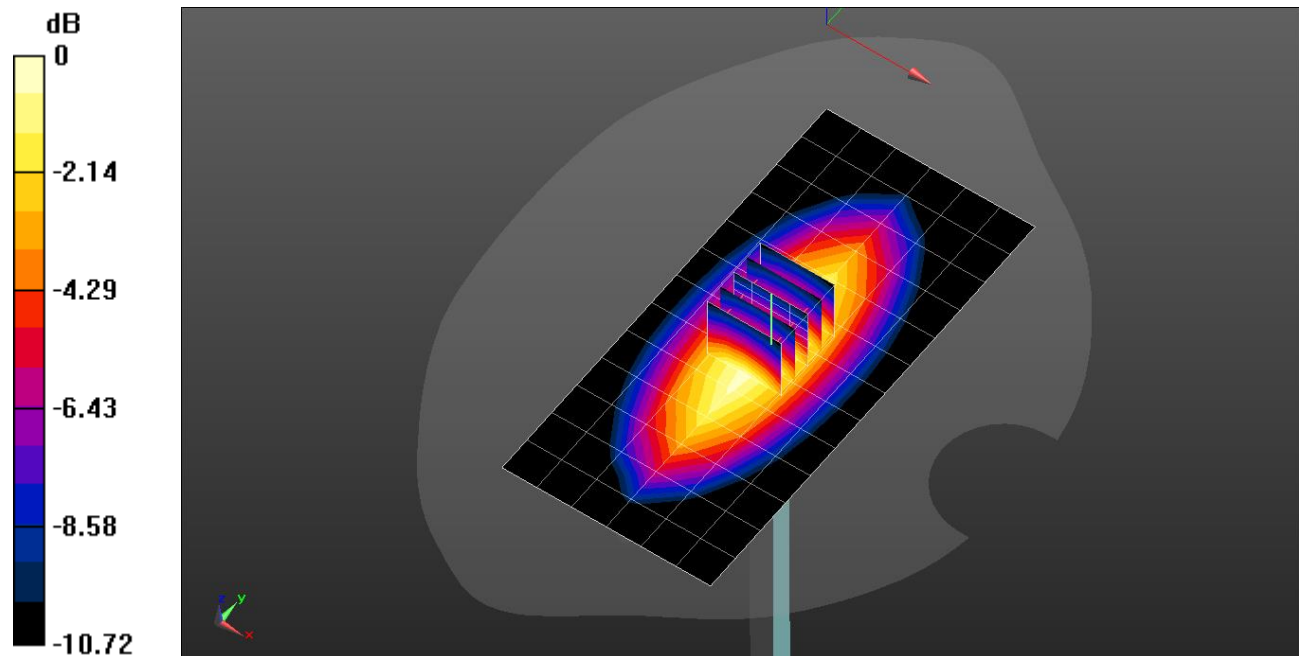
Peak SAR (extrapolated) = 1.25 W/kg

SAR(1 g) = 0.848 W/kg; SAR(10 g) = 0.556 W/kg

Smallest distance from peaks to all points 3 dB below = 16.7 mm

Ratio of SAR at M2 to SAR at M1 = 67.3%

Maximum value of SAR (measured) = 1.12 W/kg



0 dB = 1.12 W/kg = 0.49 dBW/kg

20240819_SystemPerformanceCheck-D1750V2 SN 1125

Frequency: 1750 MHz; Communication System Channel Number: 0; Duty Cycle: 1:1
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used: $f = 1750 \text{ MHz}$; $\sigma = 1.367 \text{ S/m}$; $\epsilon_r = 41.387$; $\rho = 1000 \text{ kg/m}^3$

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1343; Calibrated: 2024-07-12
- Probe: EX3DV4 - SN7651; ConvF(8.56, 8.93, 8.03) @ 1750 MHz; Calibrated: 2024-03-18
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (Right); Phantom section: Flat Section ; Type: QD 000 P40 CD
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Head/1750MHz/Pin=100 mW/Area Scan (7x7x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 4.83 W/kg

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

Reference Value = 55.28 V/m; Power Drift = 0.11 dB

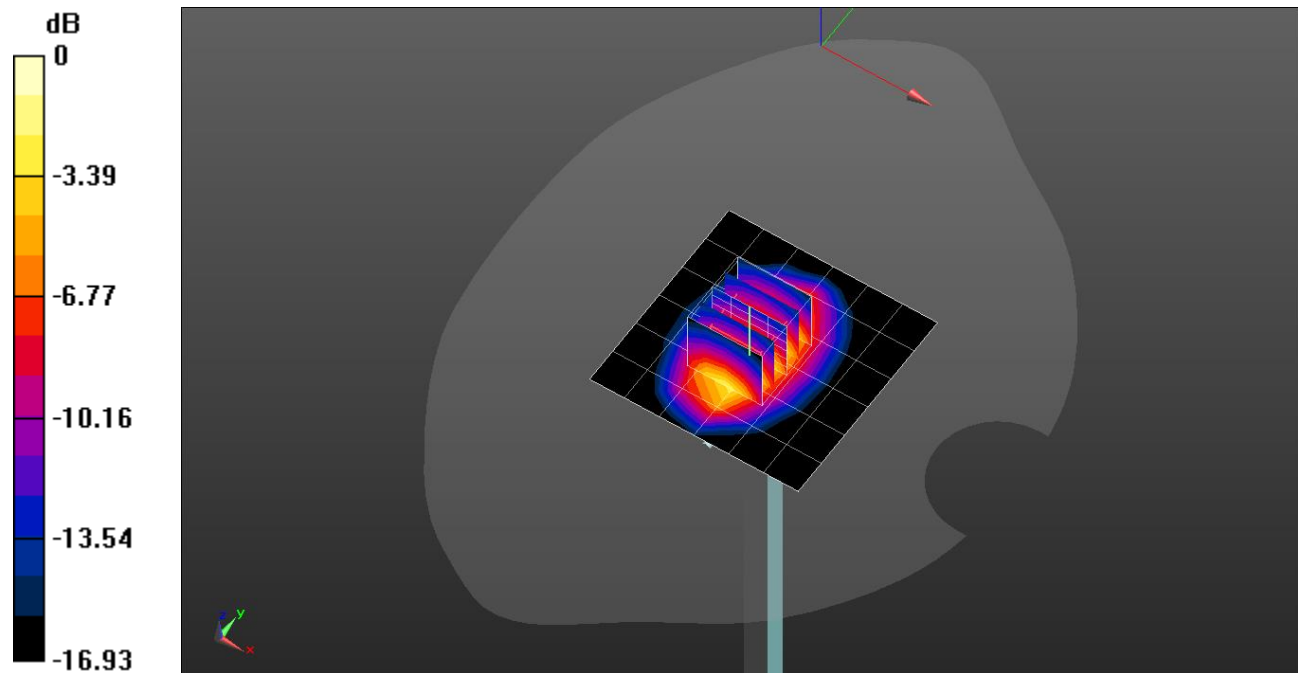
Peak SAR (extrapolated) = 6.11 W/kg

SAR(1 g) = 3.53 W/kg; SAR(10 g) = 1.9 W/kg

Smallest distance from peaks to all points 3 dB below = 10.1 mm

Ratio of SAR at M2 to SAR at M1 = 57.7%

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



0 dB = 5.26 W/kg = 7.21 dBW/kg

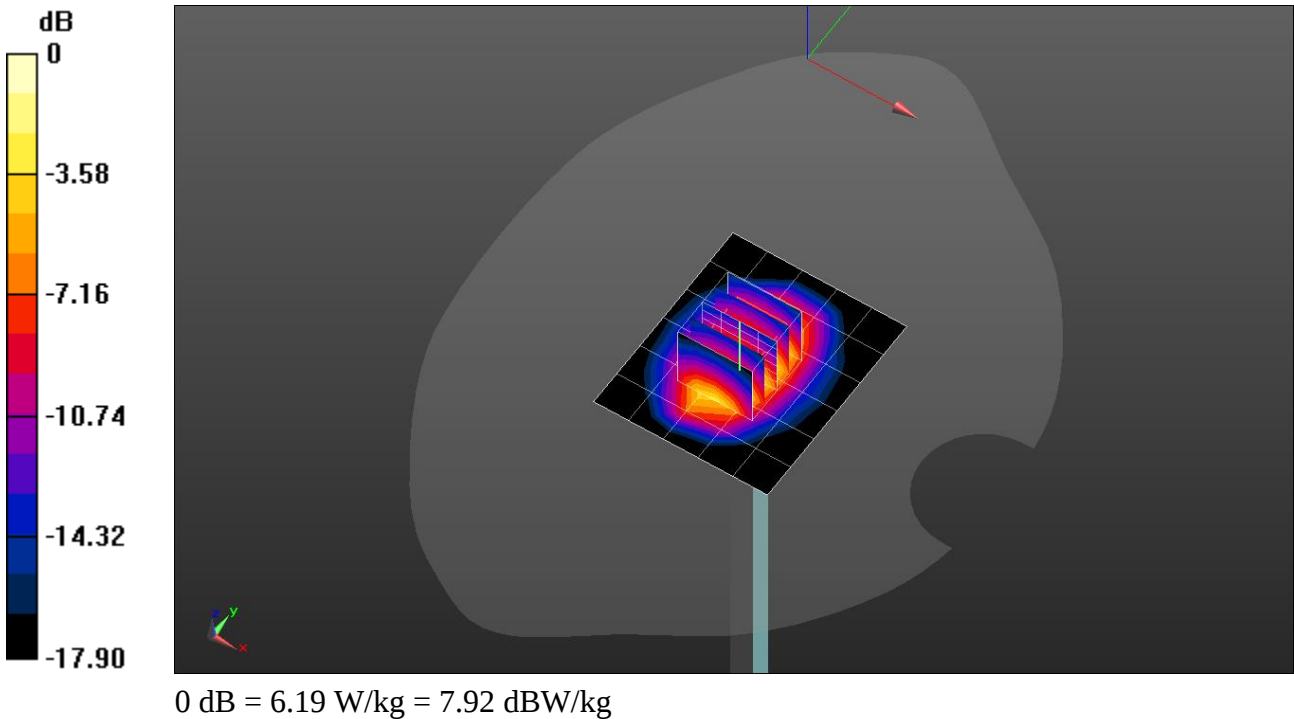
20240819_SystemPerformanceCheck-D1900V2 SN 5d190

Frequency: 1900 MHz; Communication System Channel Number: 0; Duty Cycle: 1:1
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used: $f = 1900\text{ MHz}$; $\sigma = 1.445\text{ S/m}$; $\epsilon_r = 41.194$; $\rho = 1000\text{ kg/m}^3$

- DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
 - Electronics: DAE4 Sn1343; Calibrated: 2024-07-12
 - Probe: EX3DV4 - SN7651; ConvF(8.12, 8.43, 7.59) @ 1900 MHz; Calibrated: 2024-03-18
 - Sensor-Surface: 1.4mm (Mechanical Surface Detection)
 - Phantom: Twin-SAM V5.0 (Right); Phantom section: Flat Section ; Type: QD 000 P40 CD
 - Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Head/1900MHz/Pin=100 mW/Area Scan (6x7x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 5.27 W/kg

Head/1900MHz/Pin=100 mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 61.63 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 7.34 W/kg
SAR(1 g) = 4.2 W/kg; SAR(10 g) = 2.22 W/kg
Smallest distance from peaks to all points 3 dB below = 9.6 mm
Ratio of SAR at M2 to SAR at M1 = 57.4%
Maximum value of SAR (measured) = 6.19 W/kg



System Performance Check Report for D835V2 - SN4d194

Room Ambient Temperature: 23.0°C, Liquid Temperature: 22.0°C

Exposure Conditions

Frequency [MHz]	835.0	TSL Permittivity	40.8
Group / UID	CW / 0--	TSL Conductivity [S/m]	0.916
Conversion Factor	8.24	Phantom Section / TSL	Flat / HSL

DASY Configuration

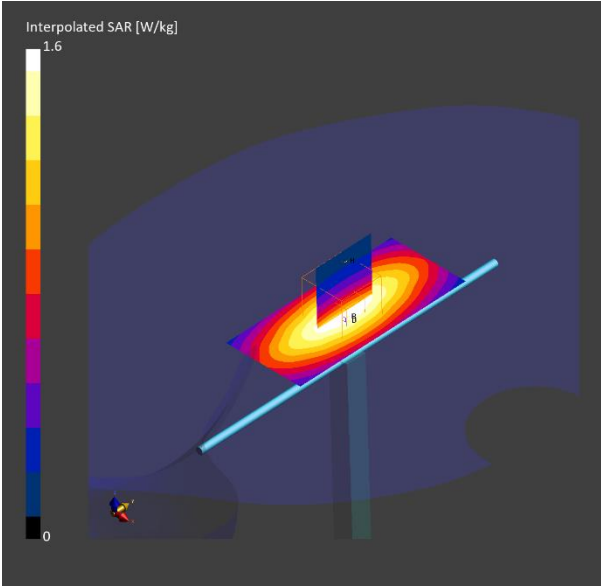
Probe Calibration Date	EX3DV4 - SN7313 2024-02-21	Phantom	Twin-SAM V8.0 (30deg probe tilt)
DAE Calibration Date	DAE4 Sn1447 2024-03-13	TSL Type	HBBL-600-10000
Software Version	16.2.2.1588		

Scans 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
psSAR1g [W/Kg]	1.03	1.04
psSAR10g [W/Kg]	0.678	0.692
Power Drift [dB]		0.01
Dist 3dB Peak [mm]		19.6
M2/M1 [%]		86.5



System Performance Check Report for D2450V2 - SN960

Room Ambient Temperature: 23.0°C, Liquid Temperature: 22.0°C

Exposure Conditions

Frequency [MHz]	2450.0	TSL Permittivity	39.9
Group / UID	CW / 0--	TSL Conductivity [S/m]	1.81
Conversion Factor	6.92	Phantom Section / TSL	Flat / HSL

DASY Configuration

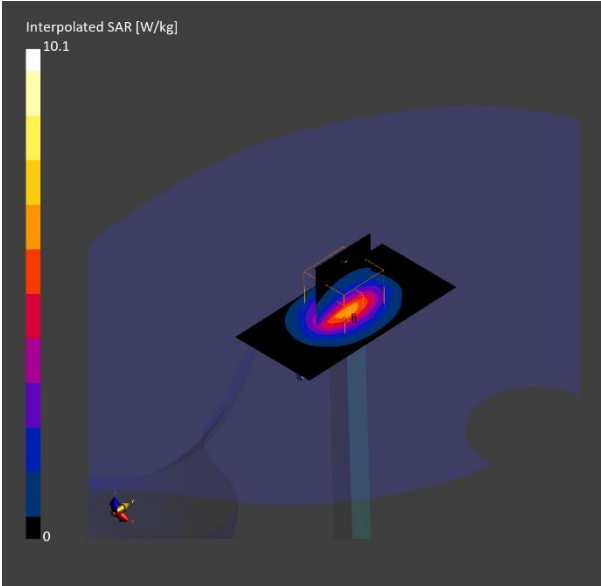
Probe Calibration Date	EX3DV4 - SN7313 2024-02-21	Phantom	Twin-SAM V8.0 (30deg probe tilt)
DAE Calibration Date	DAE4 Sn1447 2024-03-13	TSL Type	HBBL-600-10000
Software Version	16.2.2.1588		

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 80.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	5.12	5.14
psSAR10g [W/Kg]	2.38	2.46
Power Drift [dB]		-0.00
Dist 3dB Peak [mm]		9.0
M2/M1 [%]		81.6



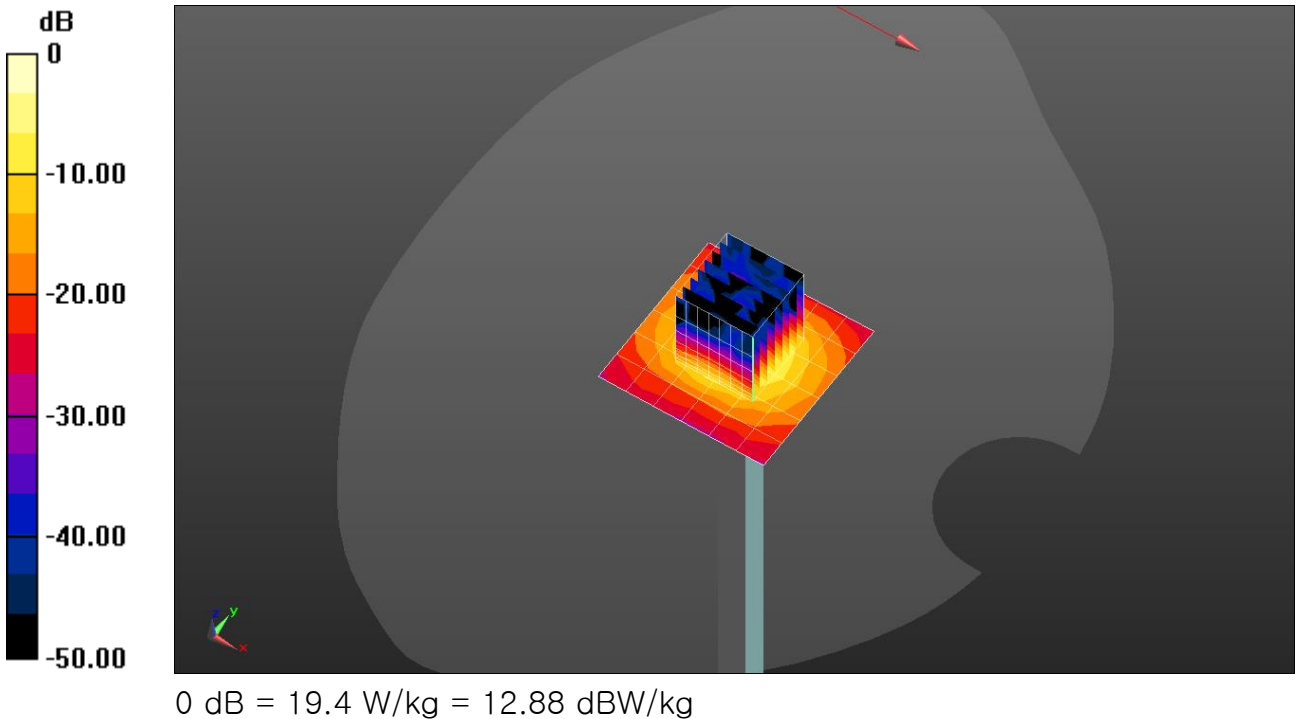
20240826_SystemPerformanceCheck D5GHzV2 SN1325

Frequency: 5600 MHz; Communication System Channel Number: 1; Duty Cycle: 1:1
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used: $f = 5600\text{ MHz}$; $\sigma = 4.887\text{ S/m}$; $\epsilon_r = 35.916$; $\rho = 1000\text{ kg/m}^3$

- DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
 - Electronics: DAE4 Sn1494; Calibrated: 2024-07-15
 - Probe: EX3DV4 - SN7652; ConvF(4.87, 4.82, 5.14) @ 5600 MHz; Calibrated: 2024-04-22
 - Sensor-Surface: 1.4mm (Mechanical Surface Detection)
 - Phantom: Twin-SAM V5.0 (20deg probe tilt); Phantom section: Flat Section ; Type: QD 000 P40 CD
 - Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Head/5.6 GHz/Pin=100mW/Area Scan (7x7x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 20.4 W/kg

Head/5.6 GHz/Pin=100mW/Zoom Scan (8x8x8)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 71.72 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 34.4 W/kg
SAR(1 g) = 8.24 W/kg; SAR(10 g) = 2.32 W/kg
Smallest distance from peaks to all points 3 dB below = 7.2 mm
Ratio of SAR at M2 to SAR at M1 = 64.1%
Maximum value of SAR (measured) = 19.4 W/kg



System Performance Check Report for D2600V2 - SN1178

Room Ambient Temperature: 23.0°C, Liquid Temperature: 22.0°C

Exposure Conditions

Frequency [MHz]	2600.0	TSL Permittivity	38.5
Group / UID	CW / 0--	TSL Conductivity [S/m]	1.92
Conversion Factor	7.11	Phantom Section / TSL	Flat / HSL

DASY Configuration

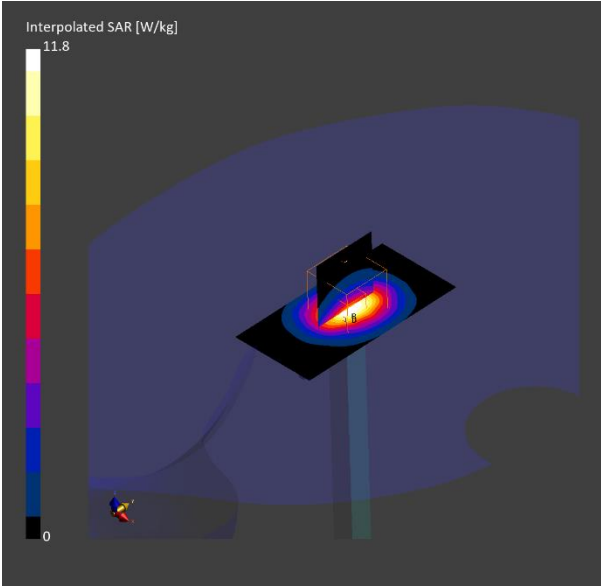
Probe Calibration Date	EX3DV4 - SN7646 2024-03-15	Phantom	Twin-SAM V8.0 (30deg probe tilt)
DAE Calibration Date	DAE4 Sn1670 2024-05-15	TSL Type	HBBL-600-10000
Software Version	16.2.2.1588		

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 80.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	5.70	5.77
psSAR10g [W/Kg]	2.58	2.68
Power Drift [dB]		0.00
Dist 3dB Peak [mm]		9.0
M2/M1 [%]		80.4



System Performance Check Report for D835V2 - SN4d174

Room Ambient Temperature: 23.0°C, Liquid Temperature: 22.0°C

Exposure Conditions

Frequency [MHz]	835.0	TSL Permittivity	41.8
Group / UID	CW / 0--	TSL Conductivity [S/m]	0.894
Conversion Factor	8.91	Phantom Section / TSL	Flat / HSL

DASY Configuration

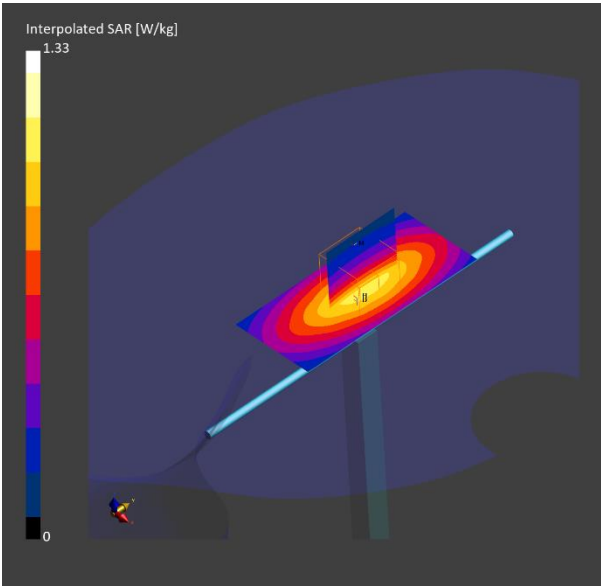
Probe Calibration Date	EX3DV4 - SN7646 2024-03-15	Phantom	Twin-SAM V8.0 (30deg probe tilt)
DAE Calibration Date	DAE4 Sn1670 2024-05-15	TSL Type	HBBL-600-10000
Software Version	16.2.2.1588		

Scans 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
psSAR1g [W/Kg]	0.927	0.936
psSAR10g [W/Kg]	0.612	0.637
Power Drift [dB]		-0.00
Dist 3dB Peak [mm]		16.8
M2/M1 [%]		89.6



System Performance Check Report for CLA-13 - SN1015

Room Ambient Temperature: 23.0°C, Liquid Temperature: 22.0°C

Exposure Conditions

Frequency [MHz]	13.0	TSL Permittivity	55.8
Group / UID	CW / 0--	TSL Conductivity [S/m]	0.718
Conversion Factor	16.85	Phantom Section / TSL	Flat / HSL

DASY Configuration

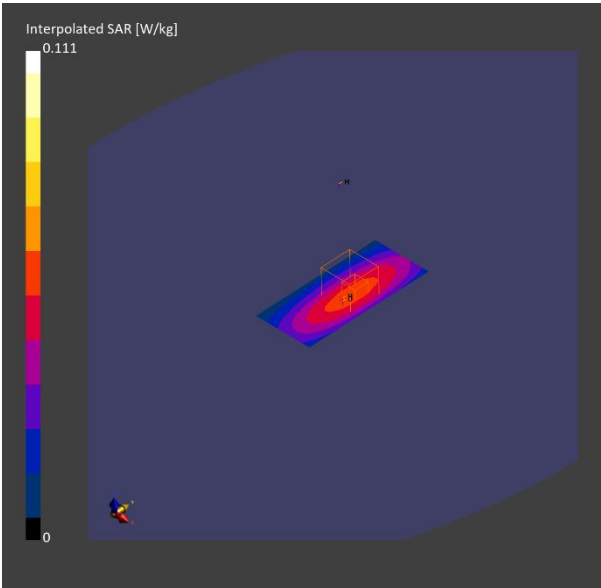
Probe Calibration Date	EX3DV4 - SN7646 2024-03-15	Phantom	ELI V6.0 (20deg probe tilt)
DAE Calibration Date	DAE4 Sn1670 2024-05-15	TSL Type	HBBL-600-10000
Software Version	16.2.2.1588		

Scans 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
psSAR1g [W/Kg]	0.057	0.055
psSAR10g [W/Kg]	0.046	0.034
Power Drift [dB]		0.01
Dist 3dB Peak [mm]		15.6
M2/M1 [%]		75.1



System Performance Check Report for D750V3 - SN1205

Room Ambient Temperature: 23.0°C, Liquid Temperature: 22.0°C

Exposure Conditions

Frequency [MHz]	750.0	TSL Permittivity	42.4
Group / UID	CW / 0--	TSL Conductivity [S/m]	0.877
Conversion Factor	7.92	Phantom Section / TSL	Flat / HSL

DASY Configuration

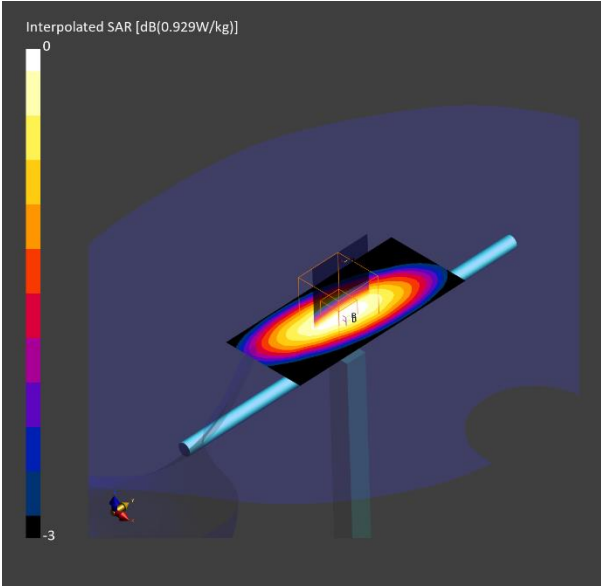
Probe Calibration Date	EX3DV4 - SN7645 2023-09-20	Phantom	Twin-SAM V8.0 (30deg probe tilt)
DAE Calibration Date	DAE4 Sn1671 2024-04-18	TSL Type	HBBL-600-10000
Software Version	16.2.2.1588		

Scans 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
psSAR1g [W/Kg]	0.809	0.805
psSAR10g [W/Kg]	0.544	0.542
Power Drift [dB]		-0.04
Dist 3dB Peak [mm]		20.4
M2/M1 [%]		87.3



System Performance Check Report for D5GHzV2 - SN1209

Room Ambient Temperature: 23.0°C, Liquid Temperature: 22.0°C

Exposure Conditions

Frequency [MHz]	5750.0	TSL Permittivity	35.0
Group / UID	CW / 0--	TSL Conductivity [S/m]	5.18
Conversion Factor	5.11	Phantom Section / TSL	Flat / HSL

DASY Configuration

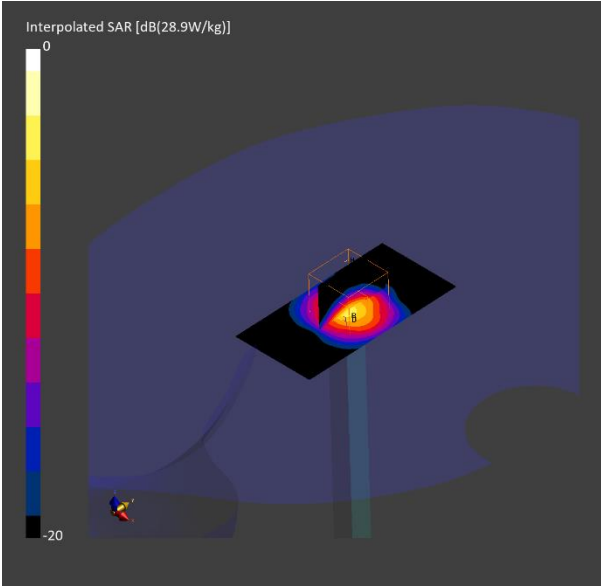
Probe Calibration Date	EX3DV4 - SN7651 2024-03-18	Phantom	Twin-SAM V8.0 (30deg probe tilt)
DAE Calibration Date	DAE4 Sn1671 2024-04-18	TSL Type	HBBL-600-10000
Software Version	16.2.2.1588		

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 80.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	7.04	7.52
psSAR10g [W/Kg]	2.05	2.22
Power Drift [dB]		-0.02
Dist 3dB Peak [mm]		7.6
M2/M1 [%]		67.4



System Performance Check Report for D1900V2 - SN5d190

Room Ambient Temperature: 23.0°C, Liquid Temperature: 22.0°C

Exposure Conditions

Frequency [MHz]	1900.0	TSL Permittivity	39.7
Group / UID	CW / 0--	TSL Conductivity [S/m]	1.44
Conversion Factor	8.12	Phantom Section / TSL	Flat / HSL

DASY Configuration

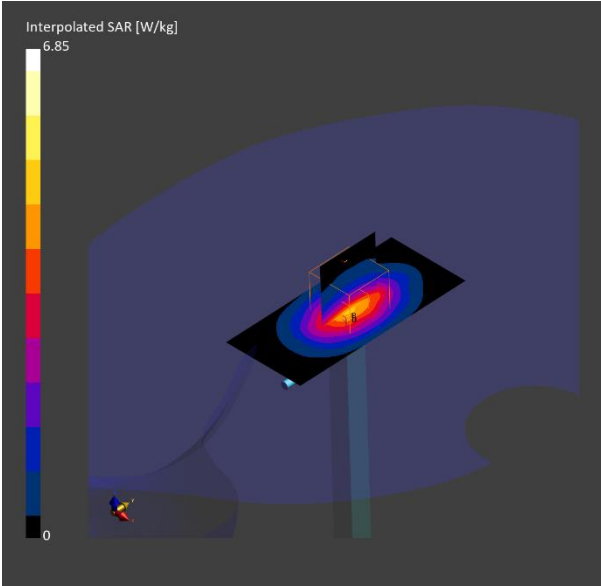
Probe Calibration Date	EX3DV4 - SN7651 2024-03-18	Phantom	Twin-SAM V8.0 (30deg probe tilt)
DAE Calibration Date	DAE4 Sn1671 2024-04-18	TSL Type	HBBL-600-10000
Software Version	16.2.2.1588		

Scans 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
psSAR1g [W/Kg]	3.73	3.82
psSAR10g [W/Kg]	1.95	2.02
Power Drift [dB]		0.02
Dist 3dB Peak [mm]		10.8
M2/M1 [%]		82.6



System Performance Check Report for D1750V2 - SN1125

Room Ambient Temperature: 23.0°C, Liquid Temperature: 22.0°C

Exposure Conditions

Frequency [MHz]	1750.000	TSL Permittivity	39.4
Group / UID	CW / 0--	TSL Conductivity [S/m]	1.31
Conversion Factor	8.25	Phantom Section / TSL	Flat / Head Simulating Liquid

DASY Configuration

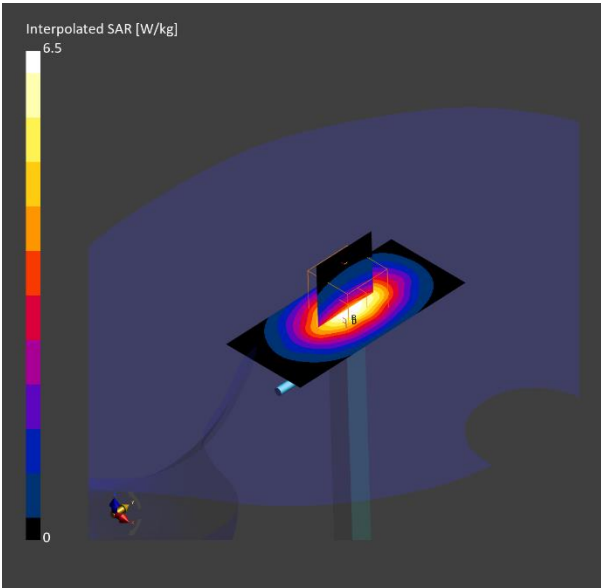
Probe Calibration Date	EX3DV4 - SN7314 2024-05-23	Phantom	Twin-SAM V8.0 (30deg probe tilt)
DAE Calibration Date	DAE4 Sn1668 2024-04-18	TSL Type	HBBL-600-10000
Software Version	16.4.0.5005		

Scans 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
psSAR1g [W/Kg]	3.40	3.47
psSAR10g [W/Kg]	1.84	1.85
Power Drift [dB]		0.01
Dist 3dB Peak [mm]		10.8
M2/M1 [%]		82.3



System Performance Check Report for D1900V2 - SN5d190

Room Ambient Temperature: 23.0°C, Liquid Temperature: 22.0°C

Exposure Conditions

Frequency [MHz]	1900.000	TSL Permittivity	39.4
Group / UID	CW / 0--	TSL Conductivity [S/m]	1.39
Conversion Factor	7.96	Phantom Section / TSL	Flat / Head Simulating Liquid

DASY Configuration

Probe Calibration Date	EX3DV4 - SN7314 2024-05-23	Phantom	Twin-SAM V8.0 (30deg probe tilt)
DAE Calibration Date	DAE4 Sn1668 2024-04-18	TSL Type	HBBL-600-10000
Software Version	16.4.0.5005		

Scans 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
psSAR1g [W/Kg]	3.75	3.80
psSAR10g [W/Kg]	1.96	1.98
Power Drift [dB]		0.02
Dist 3dB Peak [mm]		10.3
M2/M1 [%]		81.7

