Summary

Dipole	Frequency [MHz]	TSL	Power [dBm]	Dev. 1g [%]	Dev. 10g [%]	Dev. Peak [%]	Iso. Error [%]
D3500V2 - SN1121	3500.0	HSL	20.0	-4.9	-5.9	2.9	1.8

Exposure Conditions

Phantom Section, TSL	Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	10		CW, 0	3500.0, 0	7.07	2.93	37.8

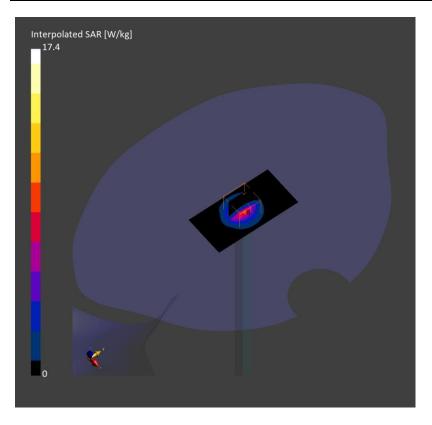
Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) – 1877	HBBL-600-10000, 2023-Dec-18	EX3DV4 - SN7314, 2023-05-26	DAE4 Sn1671, 2023-05-25

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 80.0	28.0 x 28.0 x 28.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.4
Sensor Surface [mm]	3.0	1.4

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	6.45	6.35
psSAR10g [W/Kg]	2.45	2.36
Power Drift [dB]	-0.01	-0.01



Summary

Dipole	Frequency [MHz]	TSL	Power [dBm]	Dev. 1g [%]	Dev. 10g [%]	Dev. Peak [%]	Iso. Error [%]
D3900V2 - SN1069	3900.0	HSL	20.0	-4.8	-4.8	2.3	-2.5

Exposure Conditions

Phantom Section, TSL	Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	10		CW, 0	3900.0, 0	6.72	3.35	37.0

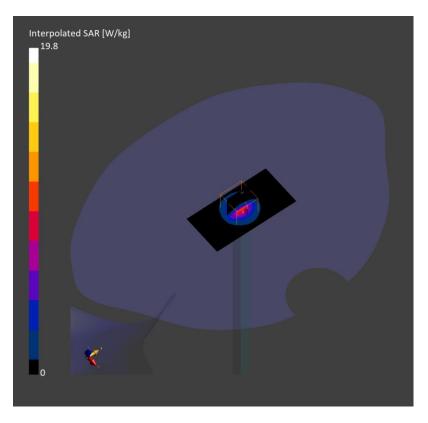
Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) – 1877	HBBL-600-10000, 2023-Dec-18	EX3DV4 - SN7314, 2023-05-26	DAE4 Sn1671, 2023-05-25

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 80.0	28.0 x 28.0 x 28.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.4
Sensor Surface [mm]	3.0	1.4

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	6.73	6.63
psSAR10g [W/Kg]	2.38	2.29
Power Drift [dB]	-0.04	-0.05



Summary

Dipole	Frequency [MHz]	TSL	Power [dBm]	Dev. 1g [%]	Dev. 10g [%]	Dev. Peak [%]	Iso. Error [%]
D5GHzV2 - SN1209	5250.0	HSL	20.0	-8.2	-7.7	-3.3	1.8

Exposure Conditions

Phantom Section, TSL	Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	10		CW, 0	5250.0, 0	5.5	4.64	35.3

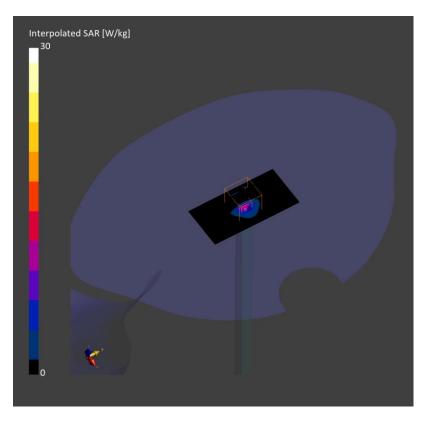
Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V5.0 (30deg probe tilt) – 1877	HSL1750, 2024-Jan-08	EX3DV4 - SN7651, 2023-05-30	DAE4 Sn1671, 2023-05-25

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

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	7.33	7.41
psSAR10g [W/Kg]	2.12	2.13
Power Drift [dB]	0.00	-0.00



20231208 SystemPerformancecheck D2600V2 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; σ = 1.991 S/m; ε_r = 40.03; ρ = 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 Sn1494; Calibrated: 7/17/2023
- Probe: EX3DV4 SN7651; ConvF(7.45, 8.08, 6.92) @ 2600 MHz; Calibrated: 5/30/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: SAM (20deg probe tilt) with CRP v5.0(Right); Type: QD000P40CD; Serial: TP:xxxx

Head/2600MHz/Pin=100mW/Area Scan (6x8x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 7.40 W/kg

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

dz=5mm

Reference Value = 62.08 V/m; Power Drift = 0.03 dB

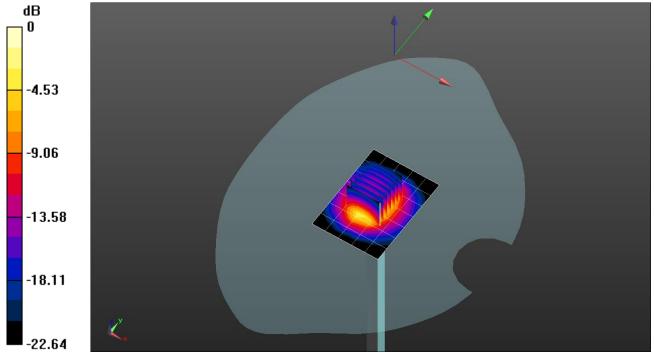
Peak SAR (extrapolated) = 11.0 W/kg

SAR(1 g) = 5.33 W/kg; SAR(10 g) = 2.42 W/kg

Smallest distance from peaks to all points 3 dB below = 8.9 mm

Ratio of SAR at M2 to SAR at M1 = 48.9%

Maximum value of SAR (measured) = 8.98 W/kg



0 dB = 8.98 W/kg = 9.53 dBW/kg

Date: 12/8/2023

20231204 SystemPerformanceCheck-D1900V2 SN 5d190

Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C Frequency: 1900 MHz; Duty Cycle: 1:1; Medium parameters used: f = 1900 MHz; σ = 1.411 S/m; ϵ_r = 40.132; ρ = 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

Date: 12/4/2023

- Averaged Fast SAR: Polynomial fit
- Electronics: DAE4 Sn1668; Calibrated: 4/26/2023
- Probe: EX3DV4 SN7313; ConvF(7.4, 7.69, 8.06) @ 1900 MHz; Calibrated: 3/24/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (Right); Type: QD 000 P40 CD; Serial: 1855

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

Maximum value of SAR (measured) = 3.91 W/kg

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

dz=5mm

Reference Value = 49.35 V/m; Power Drift = 0.03 dB

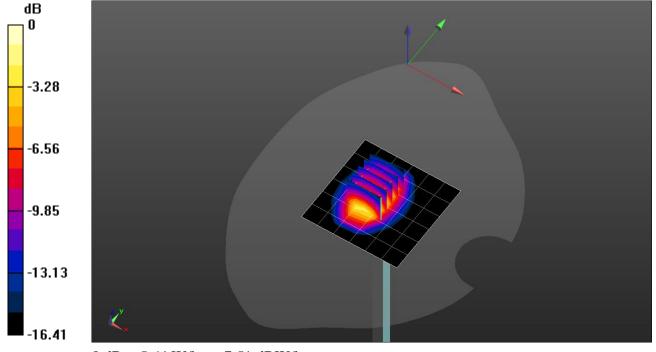
Peak SAR (extrapolated) = 6.50 W/kg

SAR(1 g) = 3.81 W/kg; SAR(10 g) = 2.08 W/kg

Smallest distance from peaks to all points 3 dB below = 9.6 mm

Ratio of SAR at M2 to SAR at M1 = 58.8%

Maximum value of SAR (measured) = 5.64 W/kg



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

20231212 SystemPerformanceCheck-D1750V2 SN 1180

Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C Frequency: 1750 MHz; Duty Cycle: 1:1; Medium parameters used: f = 1750 MHz; σ = 1.375 S/m; ϵ_r = 38.595; ρ = 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

Date: 12/12/2023

- Averaged Fast SAR: Polynomial fit
- Electronics: DAE4 Sn1668; Calibrated: 4/26/2023
- Probe: EX3DV4 SN3871; ConvF(8.54, 8.07, 8.45) @ 1750 MHz; Calibrated: 8/25/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (Right); Type: QD 000 P40 CD; Serial: 1855

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

Maximum value of SAR (measured) = 3.42 W/kg

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

dz=5mm

Reference Value = 47.57 V/m; Power Drift = 0.08 dB

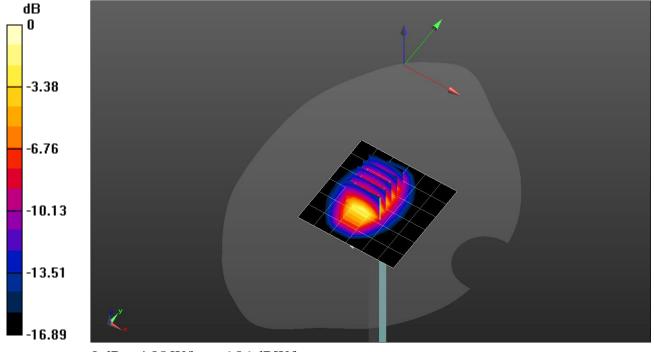
Peak SAR (extrapolated) = 5.73 W/kg

SAR(1 g) = 3.24 W/kg; SAR(10 g) = 1.76 W/kg

Smallest distance from peaks to all points 3 dB below = 9.6 mm

Ratio of SAR at M2 to SAR at M1 = 56.4%

Maximum value of SAR (measured) = 4.85 W/kg



0 dB = 4.85 W/kg = 6.86 dBW/kg

Summary

Dipole	Frequency [MHz]	TSL	Power [dBm]	Dev. 1g [%]	Dev. 10g [%]	Dev. Peak [%]	Iso. Error [%]
D835V2 - SN4d194	835.0	HSL	20.0	-0.4	4.3	-1.8	-4.7

Exposure Conditions

Phantom Section, TSL	Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	15		CW, 0	835.0, 0	9.61	0.910	42.2

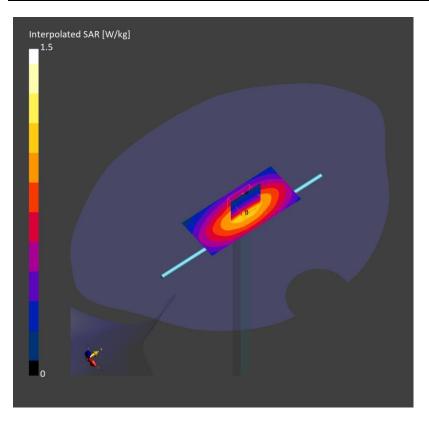
Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) – 1991	HBBL-600-10000, 2023-Dec-04	EX3DV4 - SN3871, 2023-08-25	DAE4 Sn1667, 2023-04-24

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

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.951	0.969
psSAR10g [W/Kg]	0.632	0.665
Power Drift [dB]	0.03	0.04



Summary

Dipole	Frequency [MHz]	TSL	Power [dBm]	Dev. 1g [%]	Dev. 10g [%]	Dev. Peak [%]	Iso. Error [%]
D3500V2 - SN1075	3500.0	HSL	20.0	-2.3	-2.1	-5.4	2.3

Exposure Conditions

Phantom Section, TSL	Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	10		CW, 0	3500.0, 0	6.42	2.80	38.2

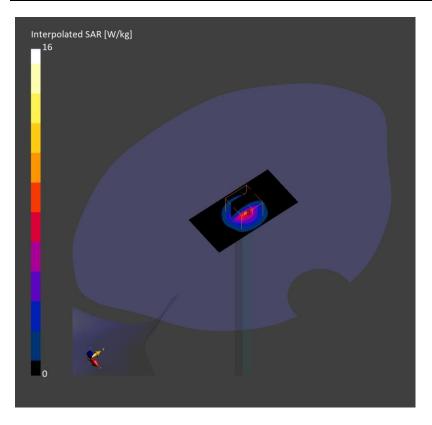
Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) – 1991	HBBL-600-10000, 2023-Dec-22	EX3DV4 - SN7313, 2023-03-24	DAE4 Sn1667, 2023-04-24

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 80.0	28.0 x 28.0 x 28.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.4
Sensor Surface [mm]	3.0	1.4

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	6.09	6.33
psSAR10g [W/Kg]	2.35	2.41
Power Drift [dB]	-0.01	0.02



Summary

Dipole	Frequency [MHz]	TSL	Power [dBm]	Dev. 1g [%]	Dev. 10g [%]	Dev. Peak [%]	Iso. Error [%]
D3700V2 - SN1036	3700.0	HSL	20.0	3.8	5.9	5.4	-2.6

Exposure Conditions

Phantom Section, TSL	Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	10		CW, 0	3700.0, 0	6.26	3.00	37.8

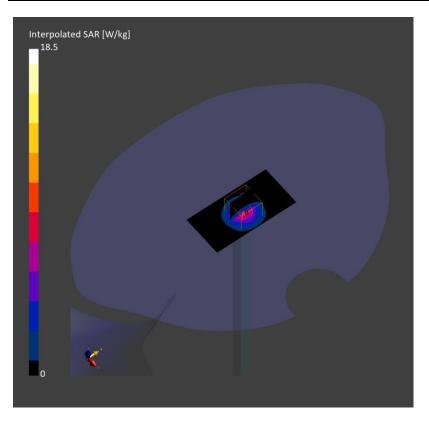
Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) – 1991	HBBL-600-10000, 2023-Dec-22	EX3DV4 - SN7313, 2023-03-24	DAE4 Sn1667, 2023-04-24

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 80.0	28.0 x 28.0 x 28.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.4
Sensor Surface [mm]	3.0	1.4

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	6.54	6.98
psSAR10g [W/Kg]	2.48	2.59
Power Drift [dB]	0.03	0.07



20231213 SystemPerformancecheck D2450V2 SN960

Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C Frequency: 2450 MHz; Duty Cycle: 1:1; Medium parameters used (interpolated): f = 2450 MHz; $\sigma = 1.769 \text{ S/m}$; $\epsilon_r = 38.007$; $\rho = 1000 \text{ kg/m}^3$ 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 Sn1591; Calibrated: 3/22/2023
- Probe: EX3DV4 SN7645; ConvF(6.96, 7.21, 6.45) @ 2450 MHz; Calibrated: 9/20/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: 1751

Head/2450MHz/Pin=100mW/Area Scan (6x8x1): Measurement grid: dx=12mm, dy=12mm Maximum value of SAR (measured) = 7.49 W/kg

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

dz=5mm

Reference Value = 62.83 V/m; Power Drift = -0.08 dB

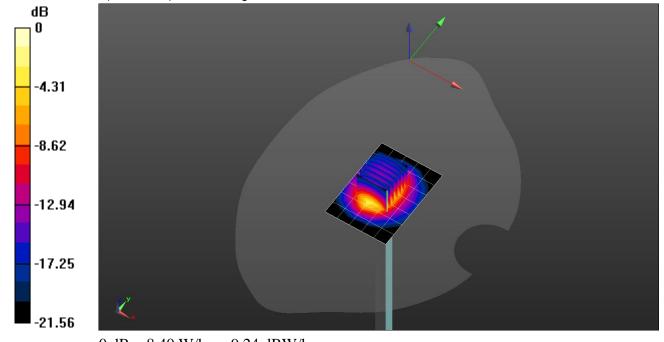
Peak SAR (extrapolated) = 10.3 W/kg

SAR(1 g) = 5.09 W/kg; SAR(10 g) = 2.37 W/kg

Smallest distance from peaks to all points 3 dB below = 8.9 mm

Ratio of SAR at M2 to SAR at M1 = 49.6%

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



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

Date: 12/13/2023

20240108 SystemPerformancecheck D2450V2 SN939

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; $\sigma = 1.78 \text{ S/m}$; $\varepsilon_r = 39.578$; $\rho = 1000 \text{ kg/m}^3$ 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 Sn1591; Calibrated: 3/22/2023
- Probe: EX3DV4 SN7545; ConvF(7.52, 7.52, 7.52) @ 2450 MHz; Calibrated: 8/25/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: 1751

Head/2450MHz/Pin=100mW/Area Scan (6x8x1): Measurement grid: dx=12mm, dy=12mm Maximum value of SAR (measured) = 7.62 W/kg

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

dz=5mm

Reference Value = 56.27 V/m; Power Drift = 0.16 dB

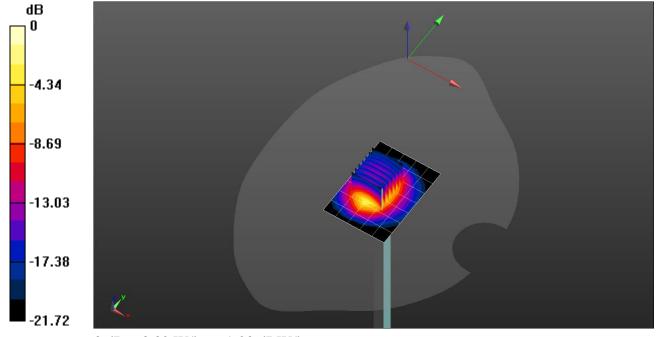
Peak SAR (extrapolated) = 10.6 W/kg

SAR(1 g) = 4.86 W/kg; SAR(10 g) = 2.27 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 46.2%

Maximum value of SAR (measured) = 8.32 W/kg



0 dB = 8.32 W/kg = 9.20 dBW/kg

Date: 1/8/2024

Summary

Dipole	Frequency [MHz]	TSL	Power [dBm]	Dev. 1g [%]	Dev. 10g [%]	Dev. Peak [%]	Iso. Error [%]
D1900V2 - SN5d199	1900.0	HSL	20.0	8.2	9.2	6.7	0.5

Exposure Conditions

Phantom Section, TSL	Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	10		CW, 0	1900.0, 0	8.07	1.39	39.8

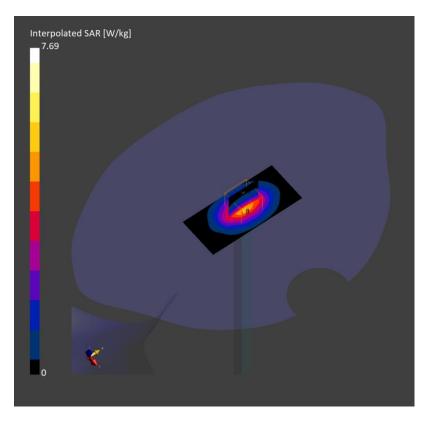
Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) – 2043	HBBL-600-10000, 2023-Dec-04	EX3DV4 - SN7376, 2023-07-25	DAE4 Sn1343, 2023-06-30

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

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	4.21	4.25
psSAR10g [W/Kg]	2.19	2.23
Power Drift [dB]	-0.00	-0.01



Summary

Dipole	Frequency [MHz]	TSL	Power [dBm]	Dev. 1g [%]	Dev. 10g [%]	Dev. Peak [%]	Iso. Error [%]
D1750V2 - SN1125	1750.0	HSL	20.0	-3.6	-3.4	0.2	-0.8

Exposure Conditions

Phantom Section, TSL	Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	10		CW, 0	1750.0, 0	8.61	1.31	39.9

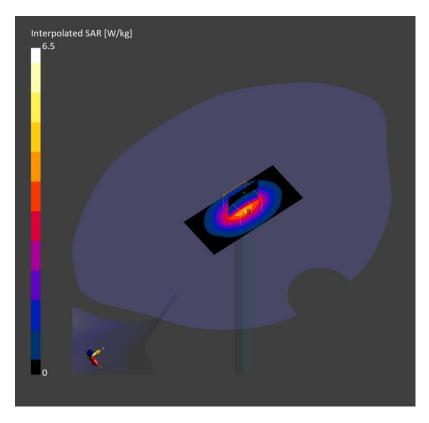
Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) – 2043	HBBL-600-10000, 2023-Dec-11	EX3DV4 - SN7376, 2023-07-25	DAE4 Sn1343, 2023-06-30

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

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	3.56	3.52
psSAR10g [W/Kg]	1.89	1.87
Power Drift [dB]	-0.01	-0.04



Date/Time:2023-12-04, 11:04

System Performance Check Report

Summary

Dipole	Frequency [MHz]	TSL	Power [dBm]	Dev. 1g [%]	Dev. 10g [%]	Dev. Peak [%]	Iso. Error [%]
D750V3 - SN1122	750.0	HSL	20.0	2.8	4.9	7.3	1.2

Exposure Conditions

Phantom Section, TSL	Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	15		CW, 0	750.0, 0	10.28	0.908	42.5

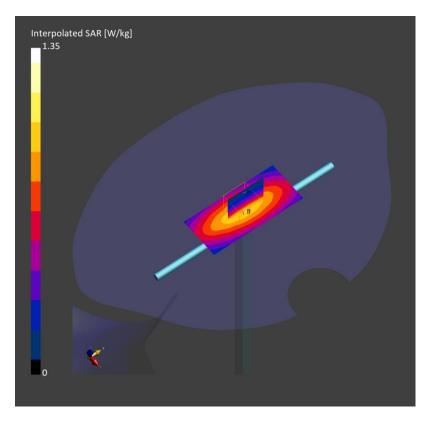
Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) – 2039	HBBL-600-10000, 2023-Dec-04	EX3DV4 - SN7545, 2023-08-25	DAE4 Sn1447, 2023-03-22

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						

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.886	0.892
psSAR10g [W/Kg]	0.592	0.598
Power Drift [dB]	0.01	-0.01



Summary

Dipole	Frequency [MHz]	TSL	Power [dBm]	Dev. 1g [%]	Dev. 10g [%]	Dev. Peak [%]	Iso. Error [%]
D835V2 - SN4d174	835.0	HSL	20.0	4.7	6.8	12.1	-1.1

Exposure Conditions

Phantom Section, TSL	Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	15		CW, 0	835.0, 0	10.0	0.935	42.1

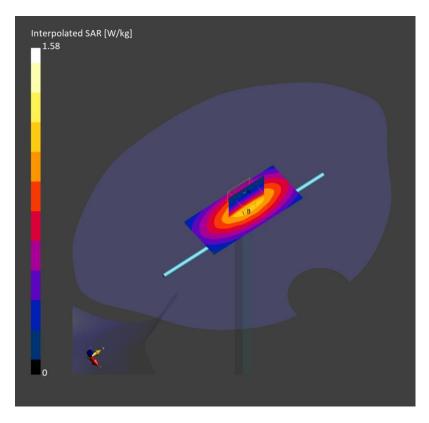
Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) – 2039	HBBL-600-10000, 2023-Dec-04	EX3DV4 - SN7545, 2023-08-25	DAE4 Sn1447, 2023-03-22

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

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	1.01	1.03
psSAR10g [W/Kg]	0.667	0.682
Power Drift [dB]	0.00	0.01



Summary

Dipole	Frequency [MHz]	TSL	Power [dBm]	Dev. 1g [%]	Dev. 10g [%]	Dev. Peak [%]	Iso. Error [%]
CLA-13 - SN1015	13.0	HSL	20.0	14.1	12.8	n/a	1.4

Exposure Conditions

Phantom Section, TSL	Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity	
Flat, HSL	0		CW, 0	13.0, 0	17.89	0.718	53.9	

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V6.0 (20deg probe tilt) – 2005	HSL750, 2023-Dec-22	EX3DV4 - SN7646, 2023-03-23	DAE4 Sn1447, 2023-03-22

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 × 6.0 × 1.5
Sensor Surface [mm]	3.0	1.4

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.062	0.059
psSAR10g [W/Kg]	0.050	0.036
Power Drift [dB]	-0.01	-0.01

