

2022-03-02 SystemPerformanceCheck-D2600V2 SN 1104

Frequency: 2600 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used: $f = 2600$ MHz; $\sigma = 1.911$ S/m; $\epsilon_r = 39.581$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1439; Calibrated: 8/11/2021
- Probe: EX3DV4 - SN7569; ConvF(7.49, 7.49, 7.49); Calibrated: 4/26/2021;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI A v5.0; Type: QD OVA 002 AA; Serial: 1194

Head/Pin=100 mW/Area Scan (8x8x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 5.53 W/kg

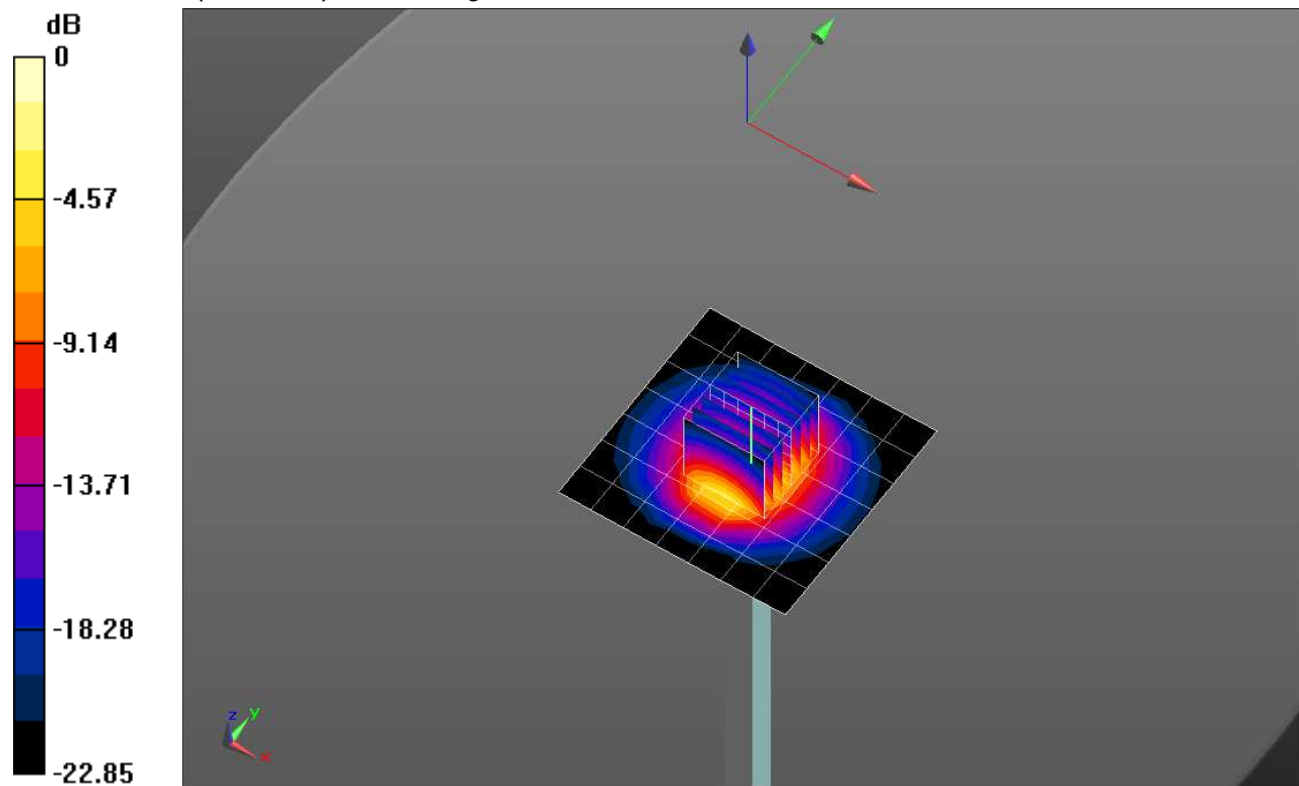
Head/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 64.185 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 11.3 W/kg

SAR(1 g) = 5.32 W/kg; SAR(10 g) = 2.39 W/kg

Maximum value of SAR (measured) = 7.66 W/kg



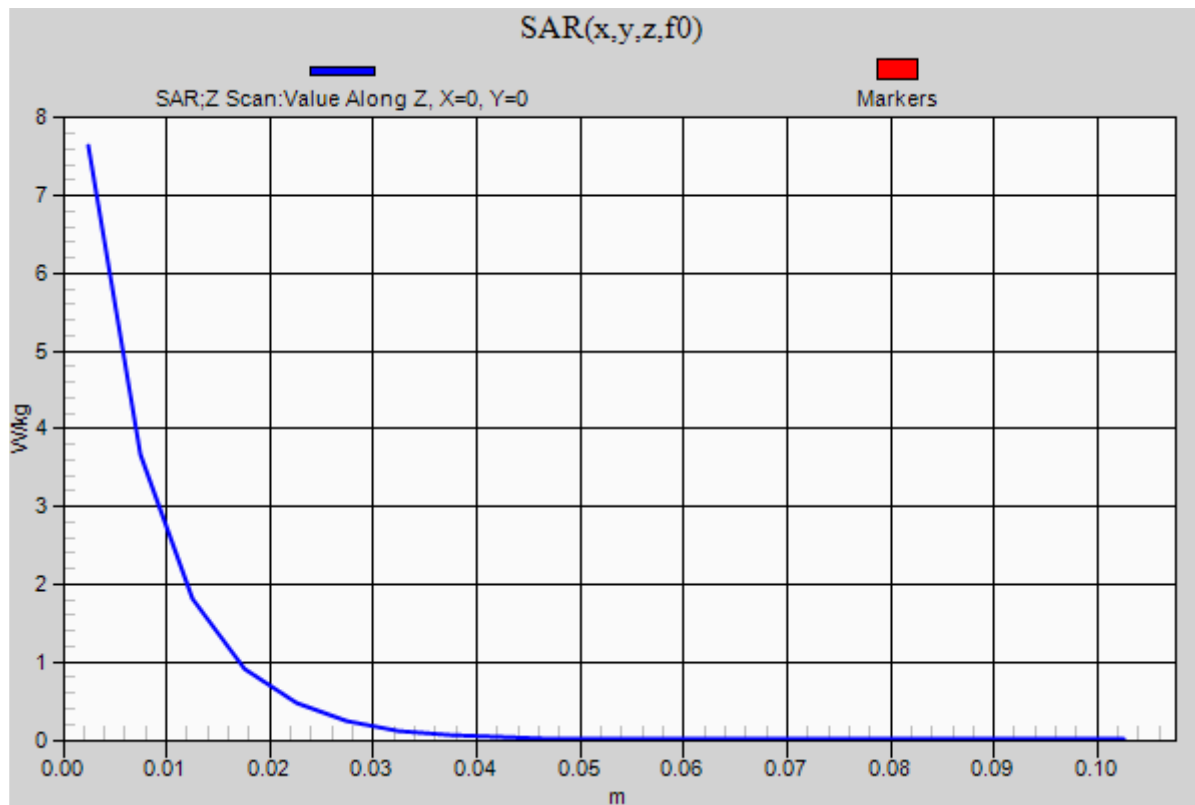
0 dB = 7.66 W/kg = 8.84 dBW/kg

2022-03-02 SystemPerformanceCheck-D2600V2 SN 1104

Frequency: 2600 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) = 7.64 W/kg



2022-03-18 SystemPerformanceCheck-D1750V2 SN 1136

Frequency: 1750 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used: $f = 1750$ MHz; $\sigma = 1.346$ S/m; $\epsilon_r = 40.486$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1439; Calibrated: 8/11/2021
- Probe: EX3DV4 - SN7569; ConvF(8.36, 8.36, 8.36); Calibrated: 4/26/2021;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI A v5.0; Type: QD OVA 002 AA; Serial: 1194

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

Maximum value of SAR (measured) = 4.55 W/kg

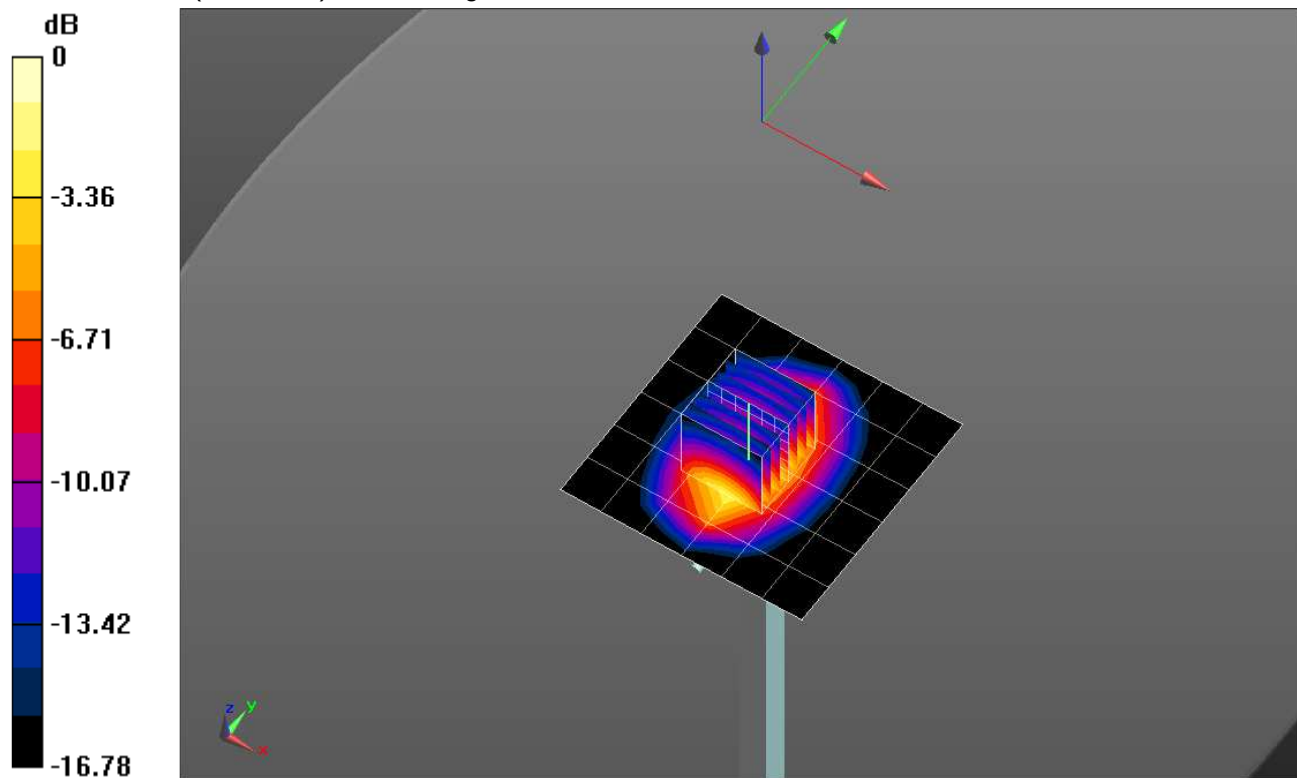
Head/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 58.640 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 6.41 W/kg

SAR(1 g) = 3.52 W/kg; SAR(10 g) = 1.88 W/kg

Maximum value of SAR (measured) = 4.70 W/kg



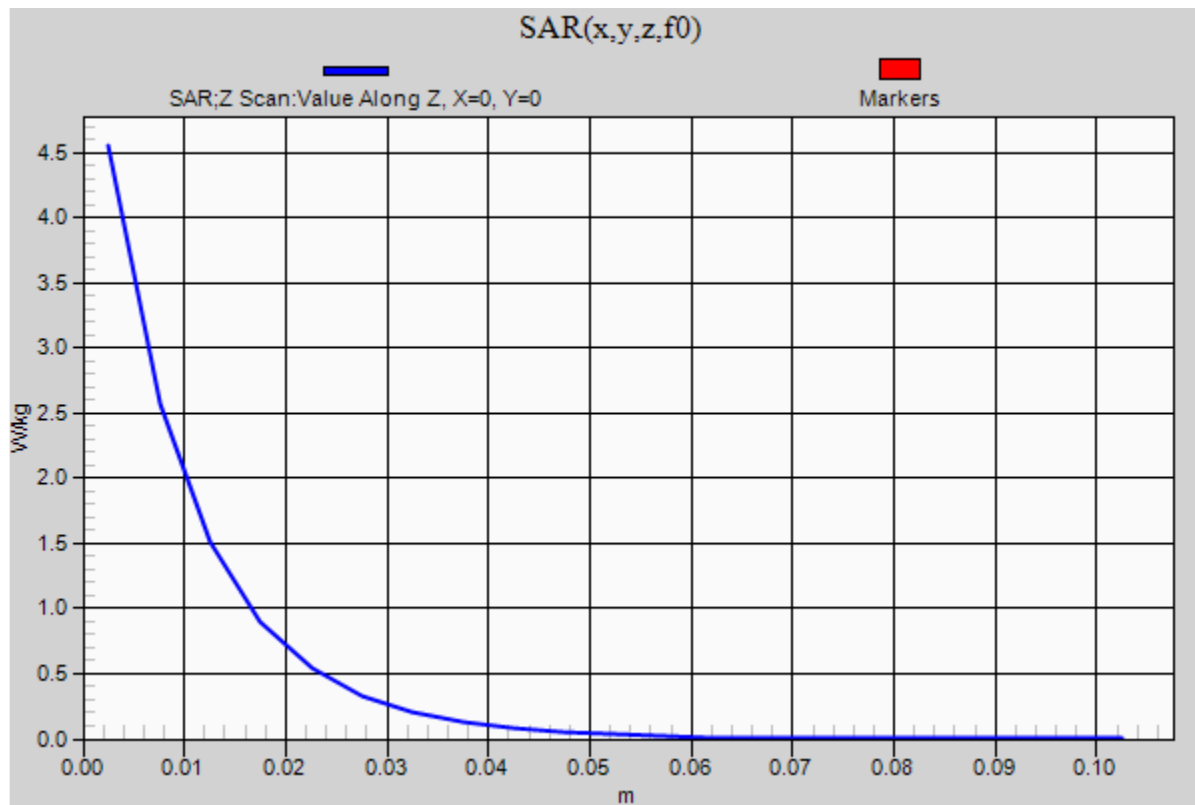
0 dB = 4.70 W/kg = 6.72 dBW/kg

2022-03-18 SystemPerformanceCheck-D1750V2 SN 1136

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) = 4.55 W/kg



2022-04-19 SystemPerformanceCheck-D3500V2 SN 1135

Frequency: 3500 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used: $f = 3500$ MHz; $\sigma = 2.769$ S/m; $\epsilon_r = 39.099$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1259; Calibrated: 8/19/2021
- Probe: EX3DV4 - SN3989; ConvF(7.12, 7.12, 7.12); Calibrated: 1/19/2022;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Phantom: ELI A v5.0; Type: QD OVA 002 AA; Serial: 1194

Head/Pin=31.62mW/Area Scan (8x8x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 2.08 W/kg

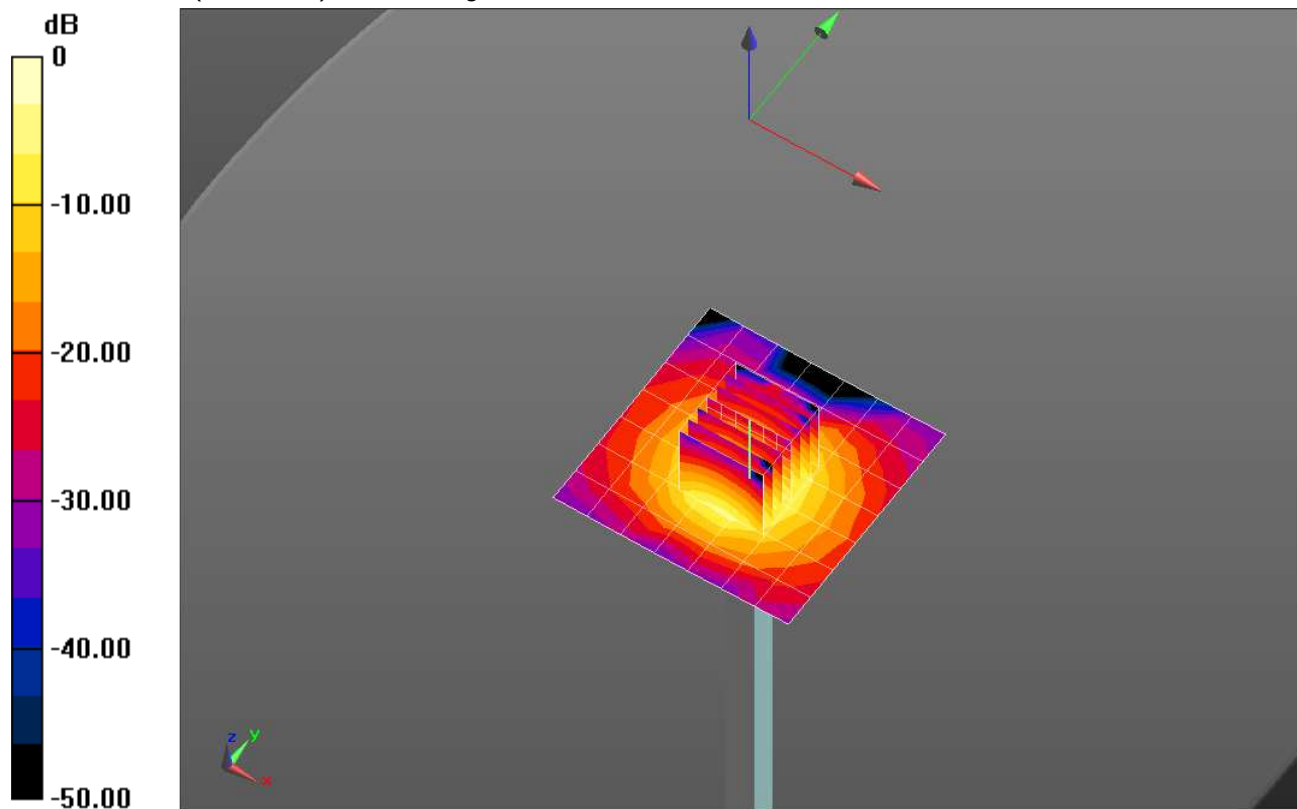
Head/Pin=31.62mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 28.492 V/m; Power Drift = -0.21 dB

Peak SAR (extrapolated) = 5.47 W/kg

SAR(1 g) = 2.13 W/kg; SAR(10 g) = 0.815 W/kg

Maximum value of SAR (measured) = 2.47 W/kg



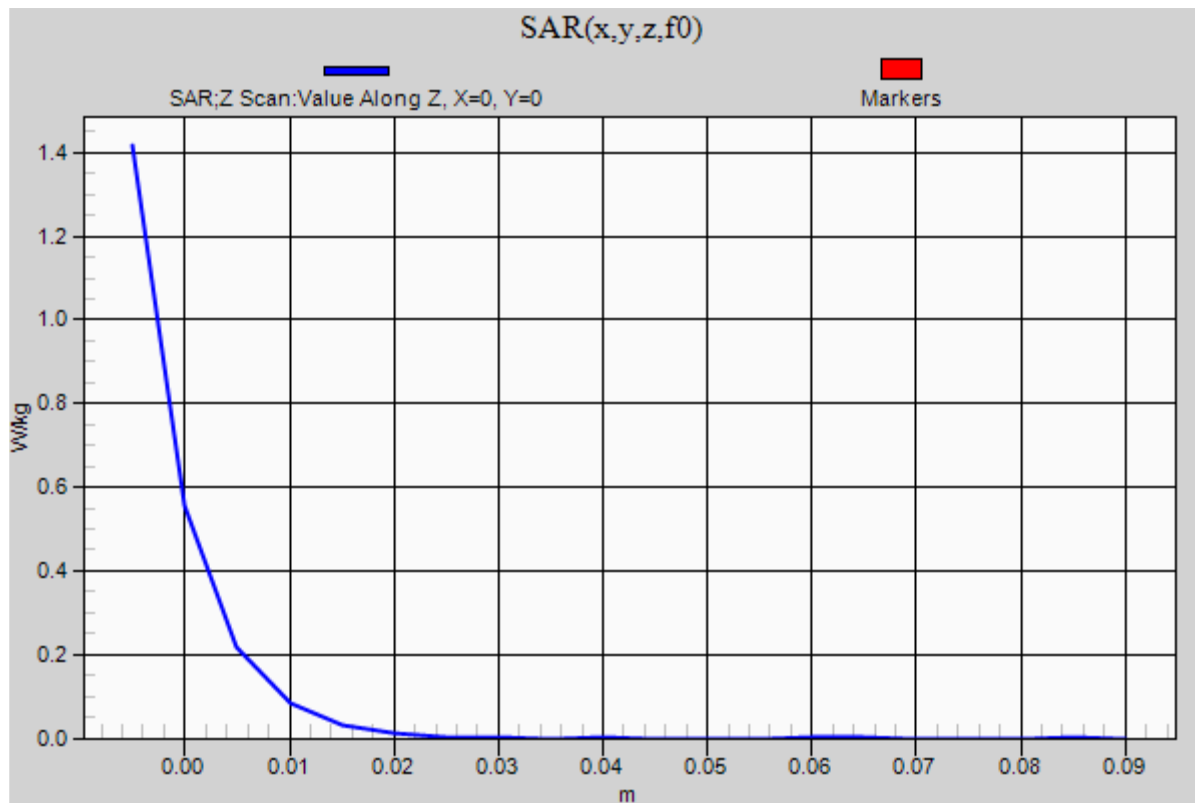
0 dB = 2.47 W/kg = 3.93 dBW/kg

2022-04-19 SystemPerformanceCheck-D3500V2 SN 1135

Frequency: 3500 MHz; Duty Cycle: 1:1

Head/Pin=31.62mW/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm

Maximum value of SAR (measured) = 1.42 W/kg



2022-04-23 SystemPerformanceCheck-D3700V2 SN 1110

Frequency: 3700 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used: $f = 3700$ MHz; $\sigma = 3.063$ S/m; $\epsilon_r = 39.745$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1259; Calibrated: 8/19/2021
- Probe: EX3DV4 - SN3989; ConvF(7.05, 7.05, 7.05); Calibrated: 1/19/2022;
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI A v5.0; Type: QD OVA 002 AA; Serial: 1194

Head/Pin=19.95mW/Area Scan (8x8x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 1.53 W/kg

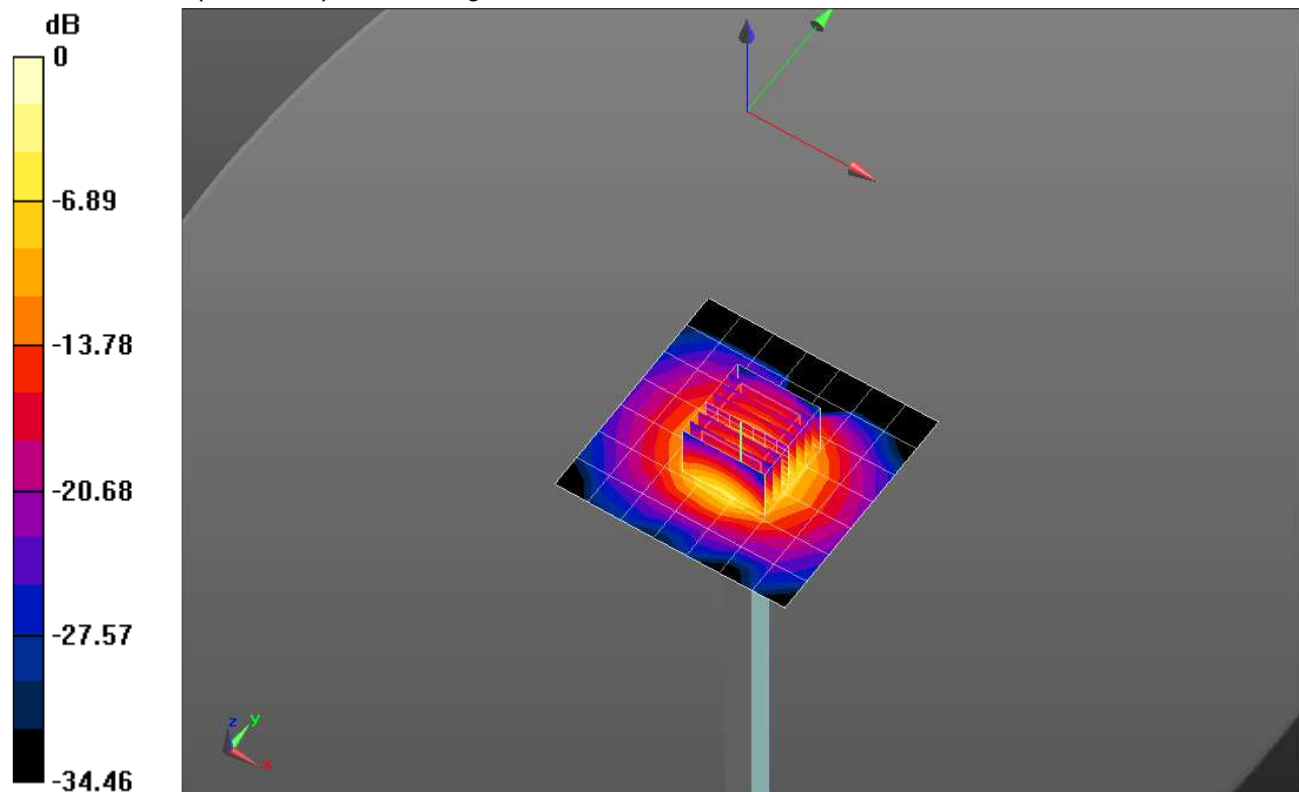
Head/Pin=19.95mW/Zoom Scan (8x8x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 25.207 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 3.34 W/kg

SAR(1 g) = 1.26 W/kg; SAR(10 g) = 0.466 W/kg

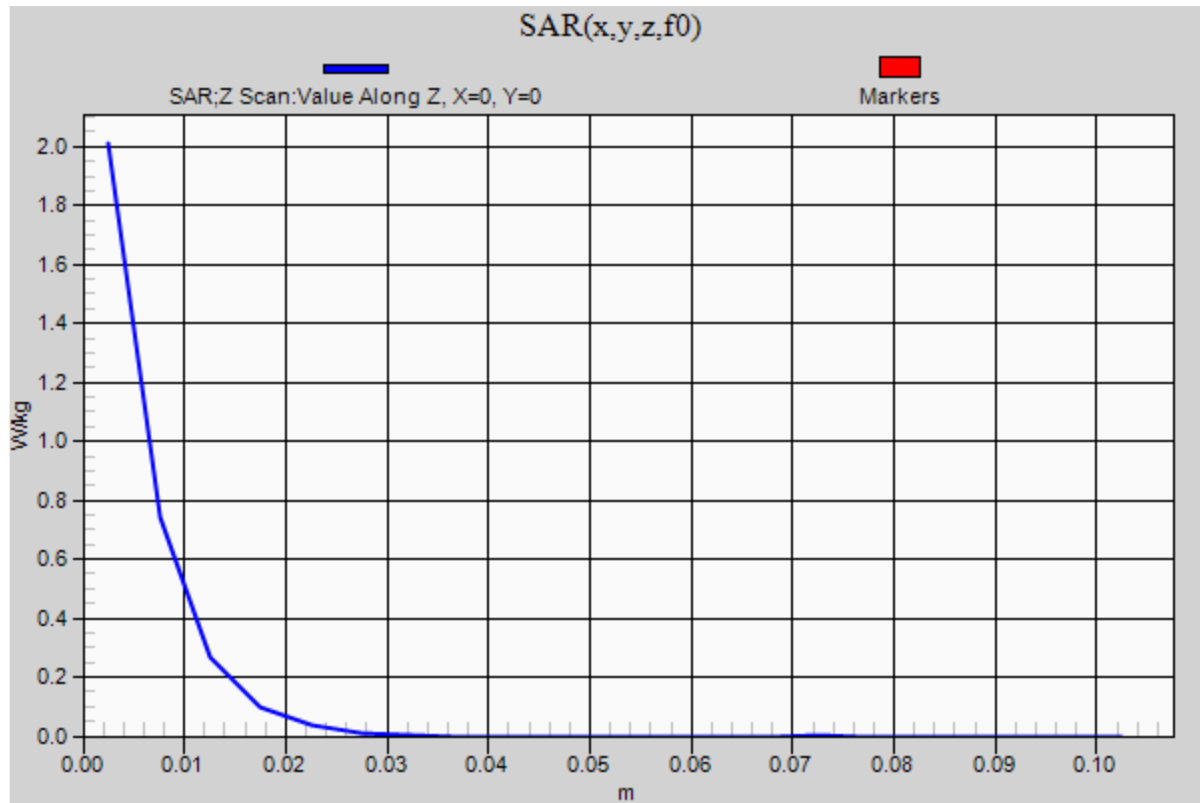
Maximum value of SAR (measured) = 1.89 W/kg



0 dB = 1.89 W/kg = 2.76 dBW/kg

2022-04-23 SystemPerformanceCheck-D3700V2 SN 1110

Frequency: 3700 MHz; Duty Cycle: 1:1

Head/Pin=19.95mW/Z Scan (1x1x21): Measurement grid: dx=20mm, dy=20mm, dz=5mm
Maximum value of SAR (measured) = 2.01 W/kg

2022-05-24 SystemPerformanceCheck-D2600V2 - SN1104

Summary

Dipole	D2600V2 - SN1104		
Frequency [MHz]	2600.0		
TSL	HSL	Dev. Peak [%]	10.2
Power [dBm]	20.0	Iso. Error [%]	1.1

Exposure Conditions

Band		TSL Permittivity	39.3
Frequency [MHz] Channel Number	2600.0 0	TSL Conductivity [S/m]	2.01
Group UID	0--	Phantom Section TSL	Flat HSL
Conversion Factor	8.01	Test Distance [mm]	

Hardware Setup

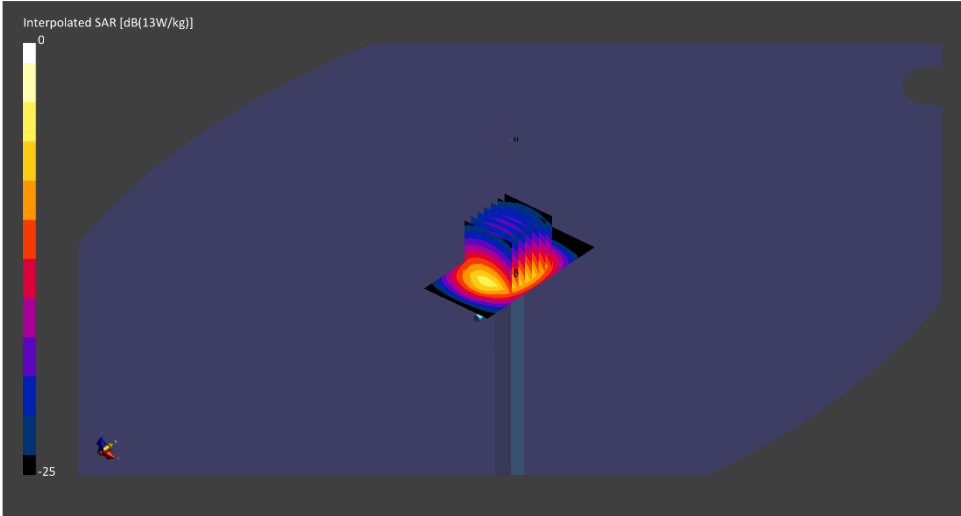
Probe Calibration Date	EX3DV4 - SN7711 2022-03-11	Phantom	ELI V8.0 (20deg probe tilt)
DAE Calibration Date	DAE4 Sn1716 2022-03-08	TSL Type	HBBL-600-10000

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
Graded Grid	Yes	Yes
M2/M1 [%]		77.7
Dist 3dB Peak [mm]		9.0

Measurement Results

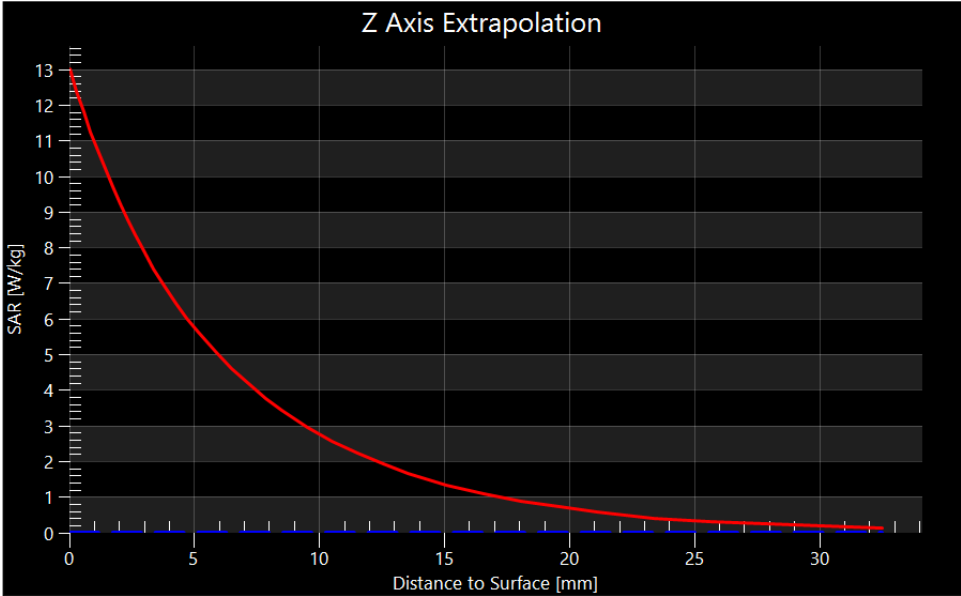
	Area Scan	Zoom Scan
psSAR1g [W/Kg]	5.84	5.85
psSAR10g [W/Kg]	2.60	2.61
Power Drift [dB]	-0.01	-0.00



2022-05-24 SystemPerformanceCheck-D2600V2 - SN1104

Summary

Dipole	D2600V2 - SN1104
Frequency [MHz]	2600.0



2022-05-24 SystemPerformanceCheck-D3500V2 - SN1135

Summary

Dipole	D3500V2 - SN1135		
Frequency [MHz]	3500.0		
TSL	HSL	Dev. Peak [%]	7.8
Power [dBm]	20.0	Iso. Error [%]	0.9

Exposure Conditions

Band		TSL Permittivity	37.5
Frequency [MHz] Channel Number	3500.0 0	TSL Conductivity [S/m]	2.80
Group UID	0--	Phantom Section TSL	Flat HSL
Conversion Factor	7.19	Test Distance [mm]	

Hardware Setup

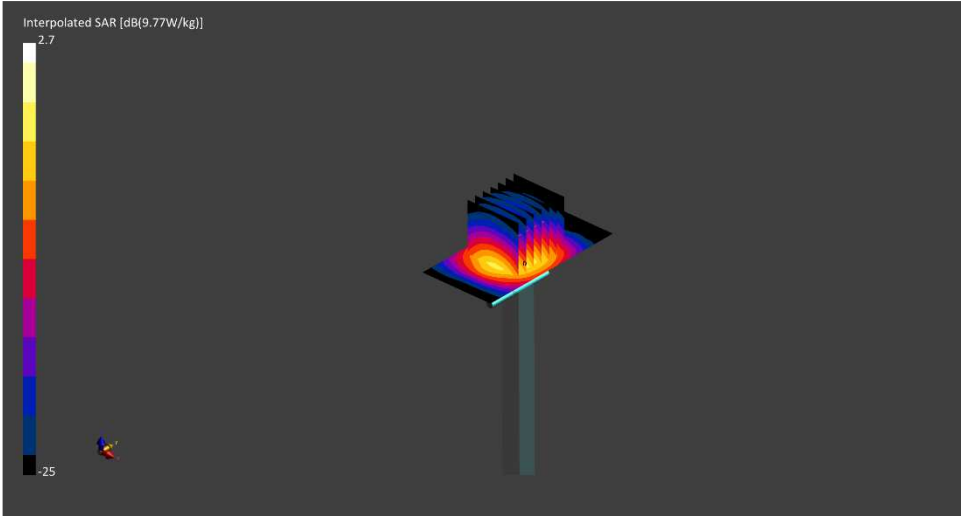
Probe Calibration Date	EX3DV4 - SN7711 2022-03-11	Phantom	ELI V8.0 (20deg probe tilt)
DAE Calibration Date	DAE4 Sn1716 2022-03-08	TSL Type	HBBL-600-10000

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
Graded Grid	Yes	Yes
M2/M1 [%]		75.5
Dist 3dB Peak [mm]		8.5

Measurement Results

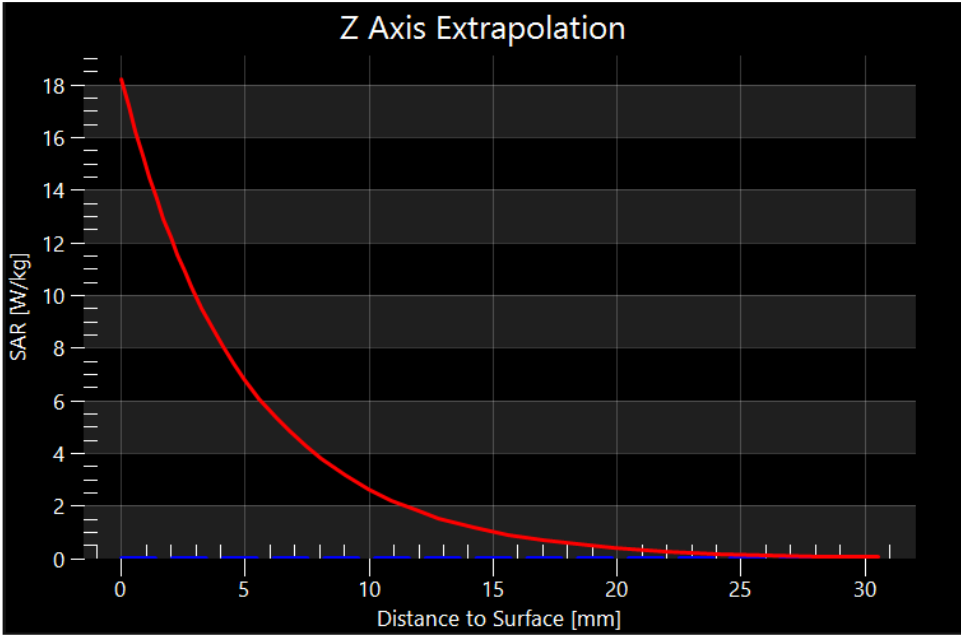
	Area Scan	Zoom Scan
psSAR1g [W/Kg]	6.96	7.10
psSAR10g [W/Kg]	2.67	2.73
Power Drift [dB]	0.00	-0.01



2022-05-24 SystemPerformanceCheck-D3500V2 - SN1135

Summary

Dipole	D3500V2 - SN1135
Frequency [MHz]	3500.0



2022-03-08 SystemPerformanceCheck-D750V3 SN 1139

Frequency: 750 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used: $f = 750$ MHz; $\sigma = 0.922$ S/m; $\epsilon_r = 43.24$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1259; Calibrated: 8/19/2021
- Probe: EX3DV4 - SN3989; ConvF(10.59, 10.59, 10.59) @ 750 MHz; Calibrated: 1/19/2022
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI A v5.0; Type: QD OVA 002 AA; Serial: 1194

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

Maximum value of SAR (measured) = 1.04 W/kg

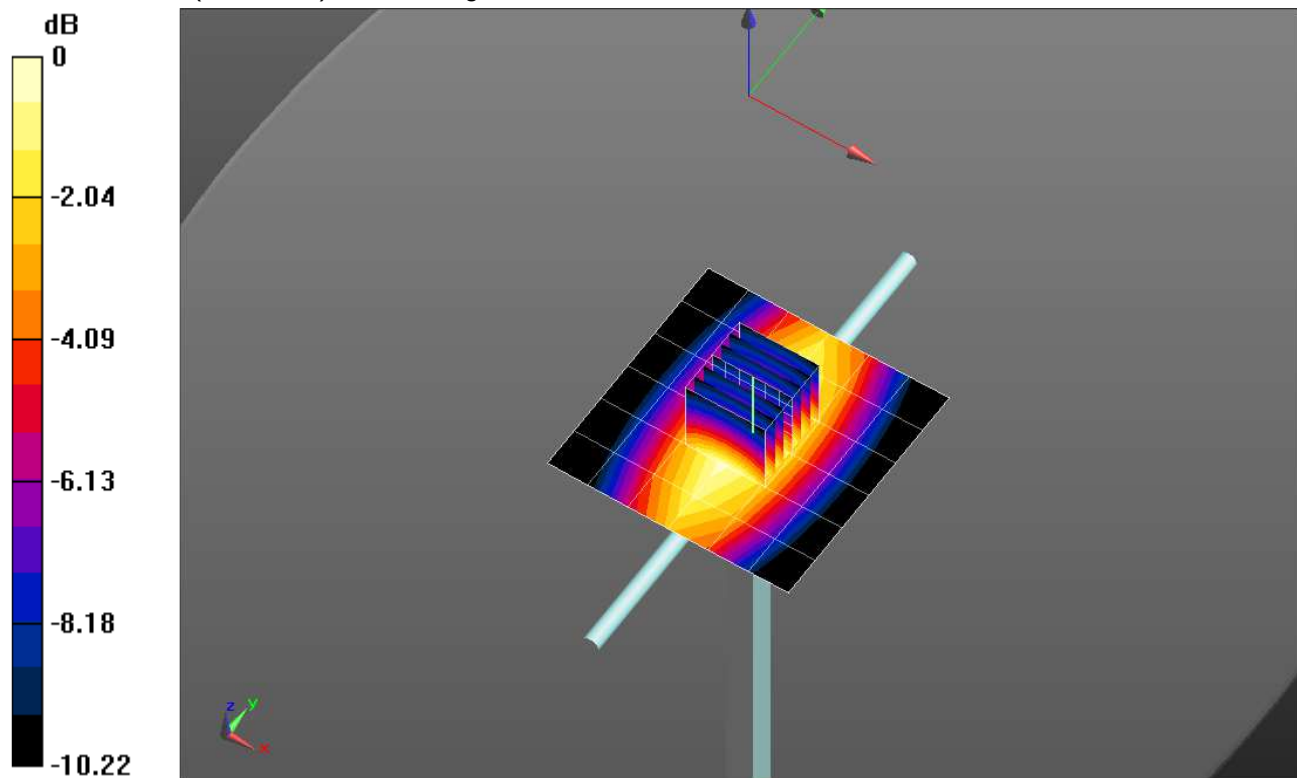
Head/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 34.14 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 1.29 W/kg

SAR(1 g) = 0.853 W/kg; SAR(10 g) = 0.563 W/kg

Maximum value of SAR (measured) = 1.04 W/kg



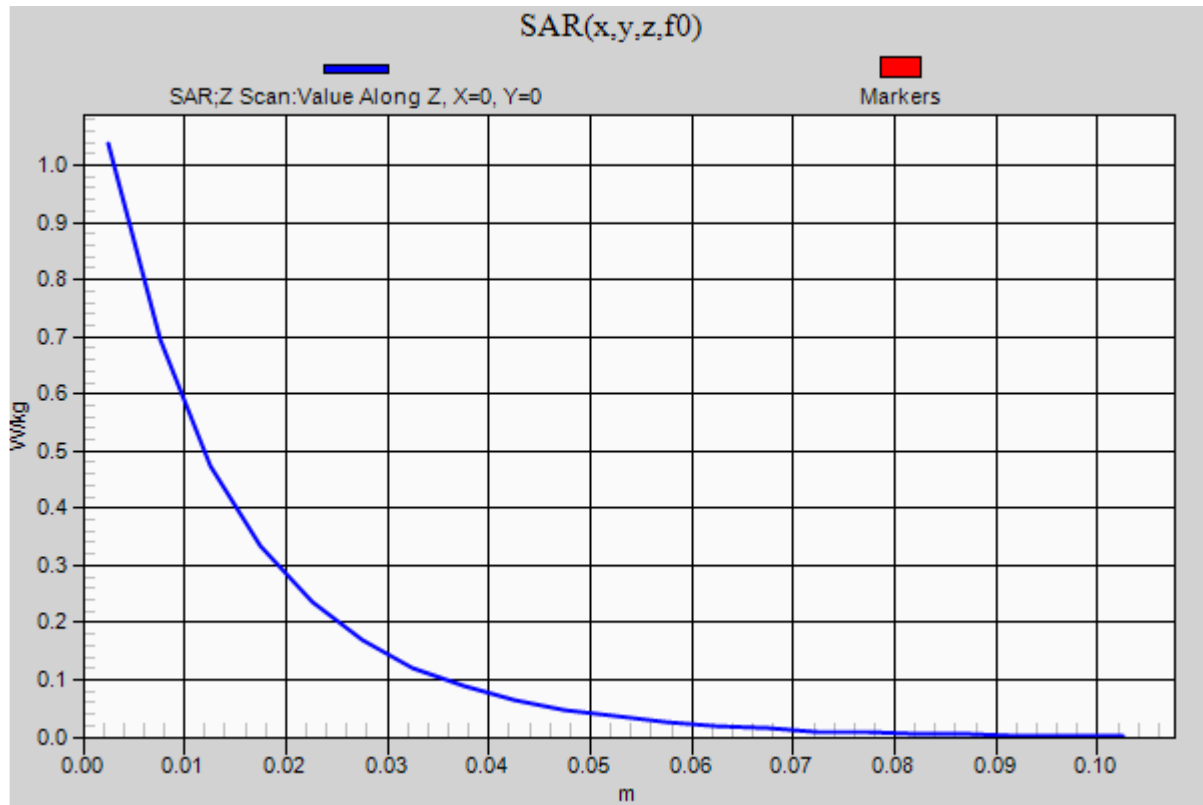
0 dB = 1.04 W/kg = 0.17 dBW/kg

2022-03-08 SystemPerformanceCheck-D750V3 SN 1139

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) = 1.04 W/kg



2022-03-16 SystemPerformanceCheck-D900V2 SN 1d180

Frequency: 900 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used: $f = 900$ MHz; $\sigma = 0.96$ S/m; $\epsilon_r = 40.629$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1259; Calibrated: 8/19/2021
- Probe: EX3DV4 - SN3989; ConvF(10.18, 10.18, 10.18) @ 900 MHz; Calibrated: 1/19/2022
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI A v5.0; Type: QD OVA 002 AA; Serial: 1194

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

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

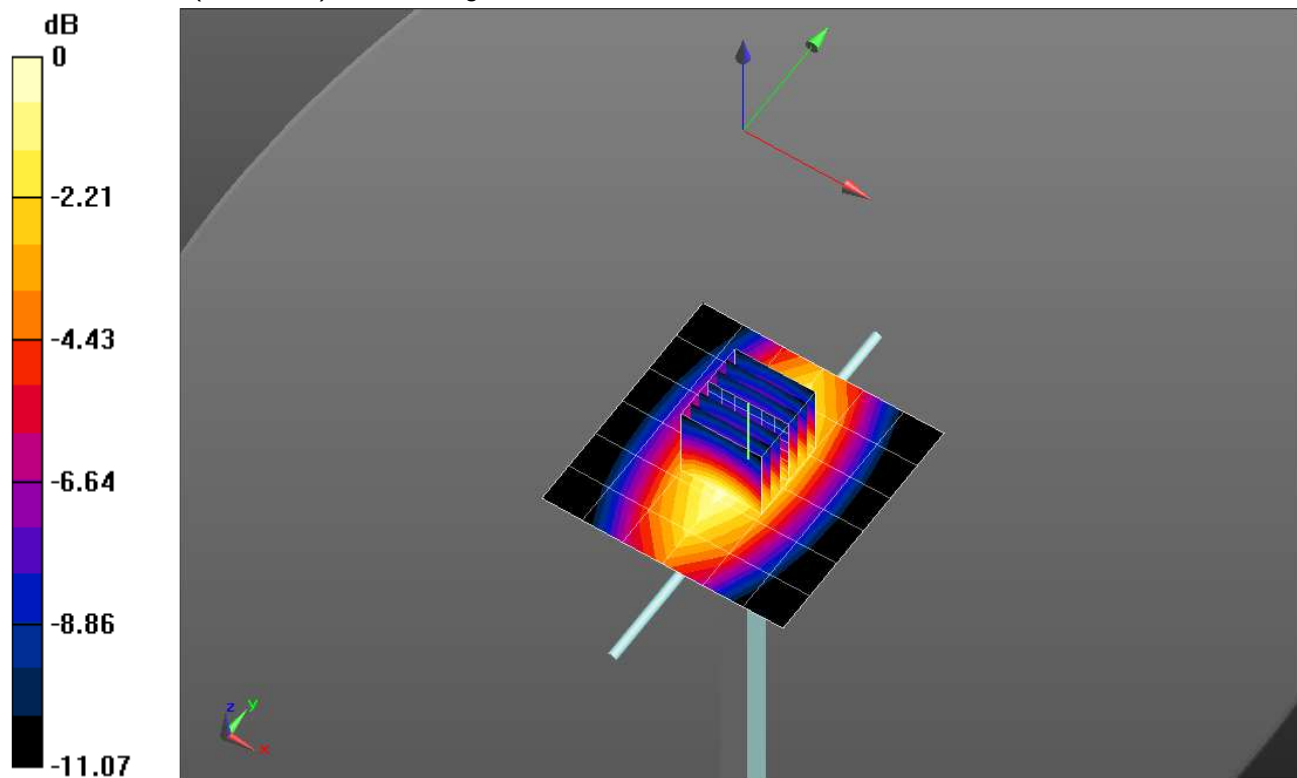
Head/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 38.18 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 1.67 W/kg

SAR(1 g) = 1.09 W/kg; SAR(10 g) = 0.700 W/kg

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



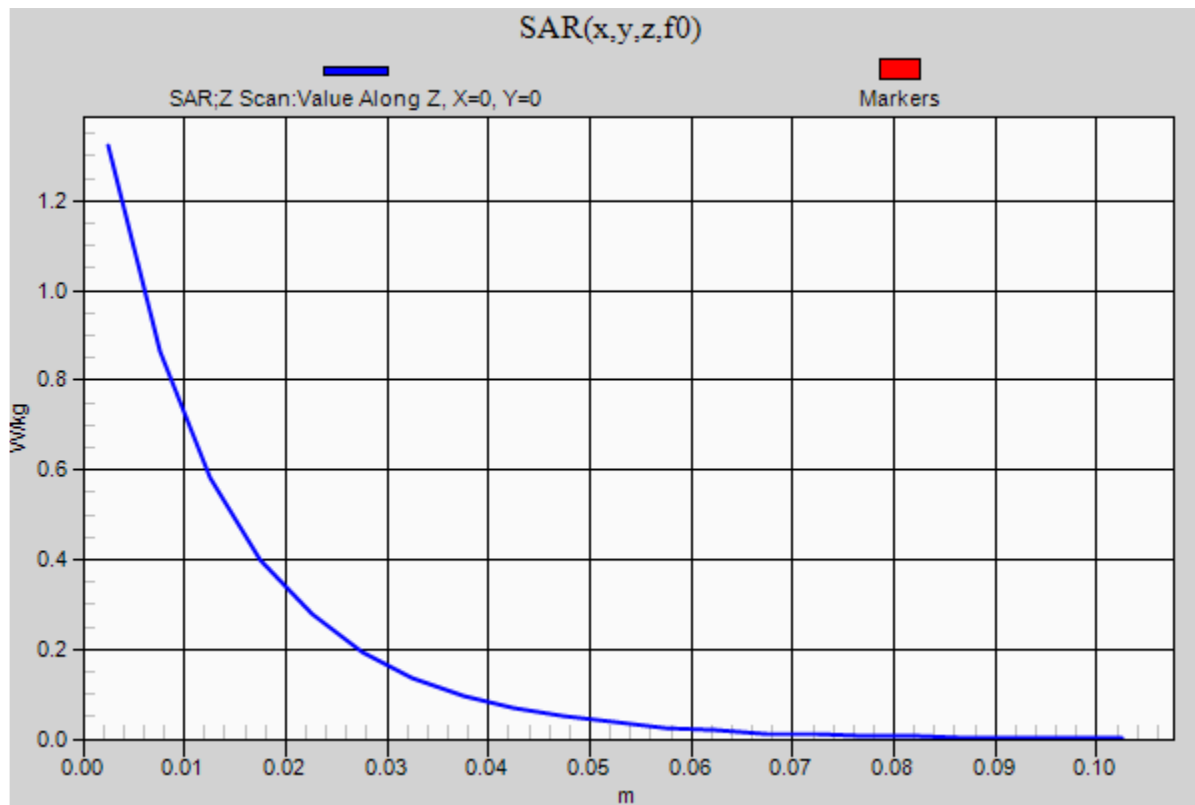
0 dB = 1.34 W/kg = 1.27 dBW/kg

2022-03-16 SystemPerformanceCheck-D900V2 SN 1d180

Frequency: 900 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) = 1.32 W/kg



2022-03-21 SystemPerformanceCheck-D1900V2 SN 5d202

Frequency: 1900 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.446$ S/m; $\epsilon_r = 38.12$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1259; Calibrated: 8/19/2021
- Probe: EX3DV4 - SN3989; ConvF(8.43, 8.43, 8.43) @ 1900 MHz; Calibrated: 1/19/2022
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: ELI A v5.0; Type: QD OVA 002 AA; Serial: 1194

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

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

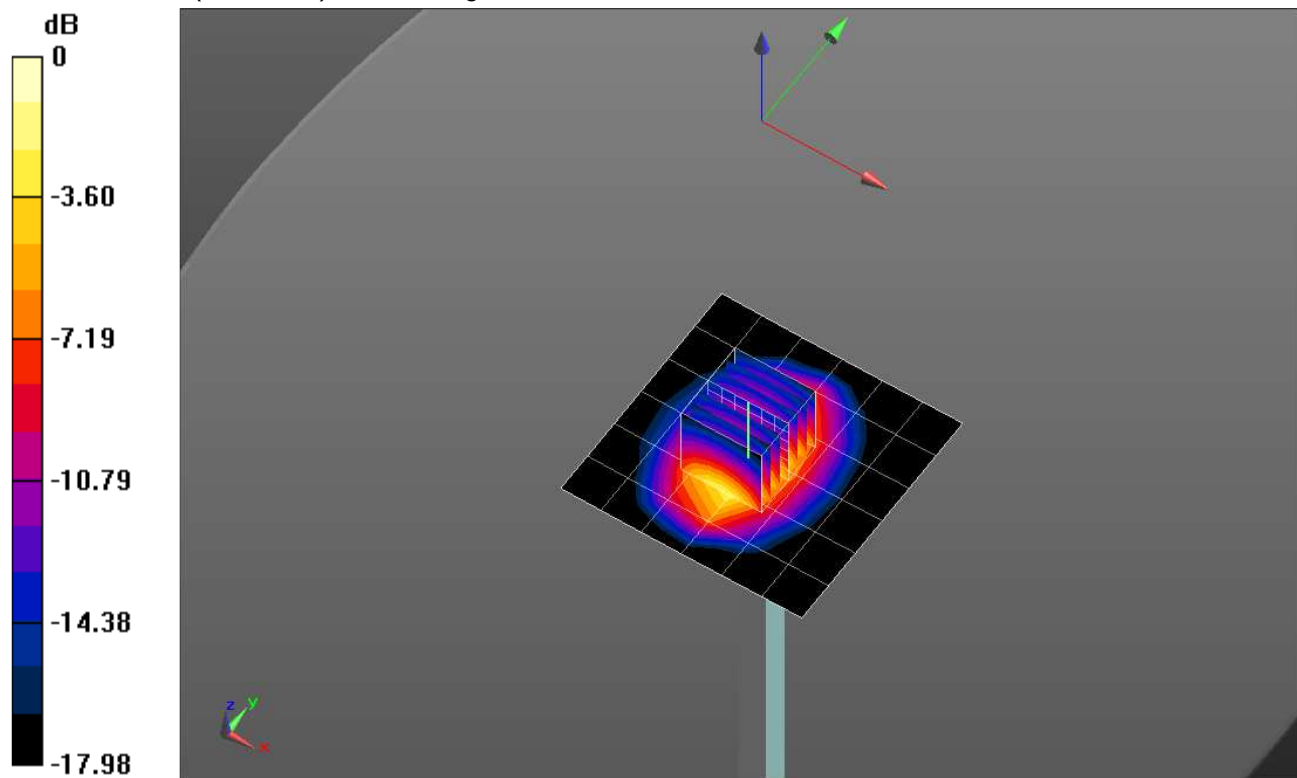
Head/Pin=100 mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 59.13 V/m; Power Drift = 0.20 dB

Peak SAR (extrapolated) = 7.64 W/kg

SAR(1 g) = 4.11 W/kg; SAR(10 g) = 2.13 W/kg

Maximum value of SAR (measured) = 5.55 W/kg



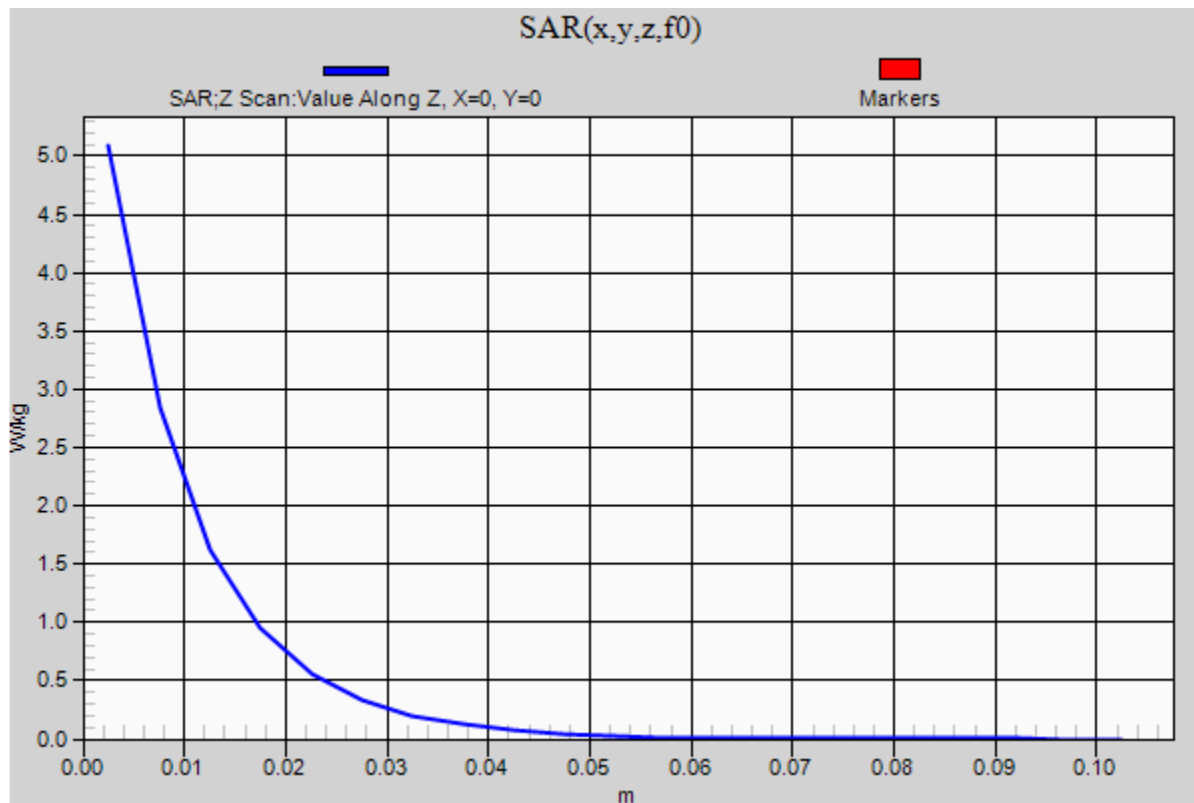
0 dB = 5.55 W/kg = 7.44 dBW/kg

2022-03-21 SystemPerformanceCheck-D1900V2 SN 5d202

Frequency: 1900 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) = 5.09 W/kg



2022-06-21 SystemPerformanceCheck-D2600V2 - SN1104

Summary

Dipole	D2600V2 - SN1104		
Frequency [MHz]	2600.0		
TSL	HSL	Dev. Peak [%]	-1.4
Power [dBm]	20.0	Iso. Error [%]	0.7

Exposure Conditions

Band		TSL Permittivity	39.6
Frequency [MHz] Channel Number	2600.0 0	TSL Conductivity [S/m]	1.96
Group UID	0--	Phantom Section TSL	Flat HSL
Conversion Factor	8.01	Test Distance [mm]	

Hardware Setup

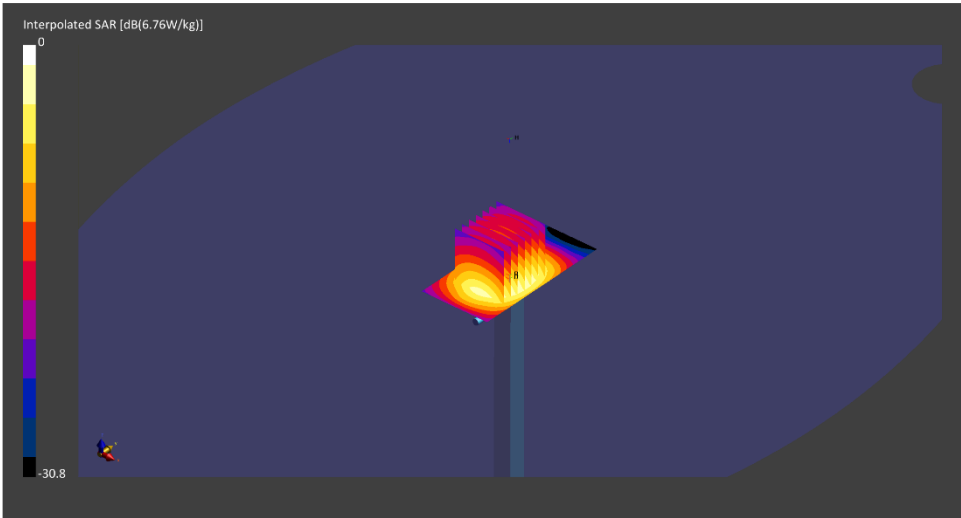
Probe Calibration Date	EX3DV4 - SN7711 2022-03-11	Phantom	ELI V8.0 (20deg probe tilt)
DAE Calibration Date	DAE4 Sn1715 2022-02-22	TSL Type	HBBL-600-10000

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
Graded Grid	Yes	Yes
M2/M1 [%]		78.1
Dist 3dB Peak [mm]		9.0

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	5.20	5.27
psSAR10g [W/Kg]	2.37	2.36
Power Drift [dB]	-0.01	0.02



2022-06-21 SystemPerformanceCheck-D2600V2 - SN1104

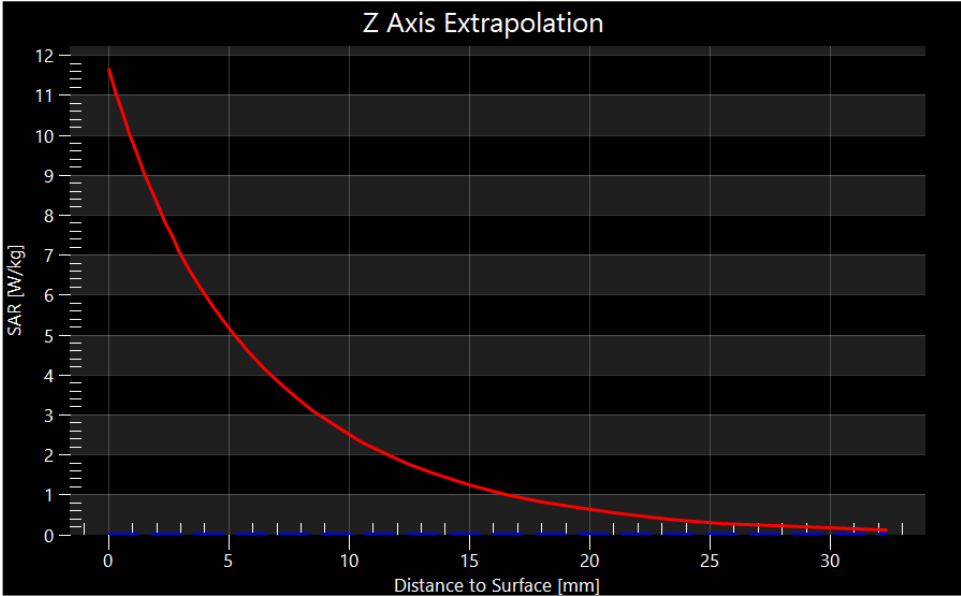
Summary

Dipole

D2600V2 - SN1104

Frequency [MHz]

2600.0



2022-06-15 SystemPerformanceCheck-D900V2 - SN1d180

Summary

Dipole	D900V2 - SN1d180		
Frequency [MHz]	900.0		
TSL	HSL	Dev. Peak [%]	5.3
Power [dBm]	17.0	Iso. Error [%]	1.8

Exposure Conditions

Band		TSL Permittivity	41.8
Frequency [MHz] Channel Number	900.0 0	TSL Conductivity [S/m]	0.965
Group UID	0--	Phantom Section TSL	Flat HSL
Conversion Factor	9.19	Test Distance [mm]	

Hardware Setup

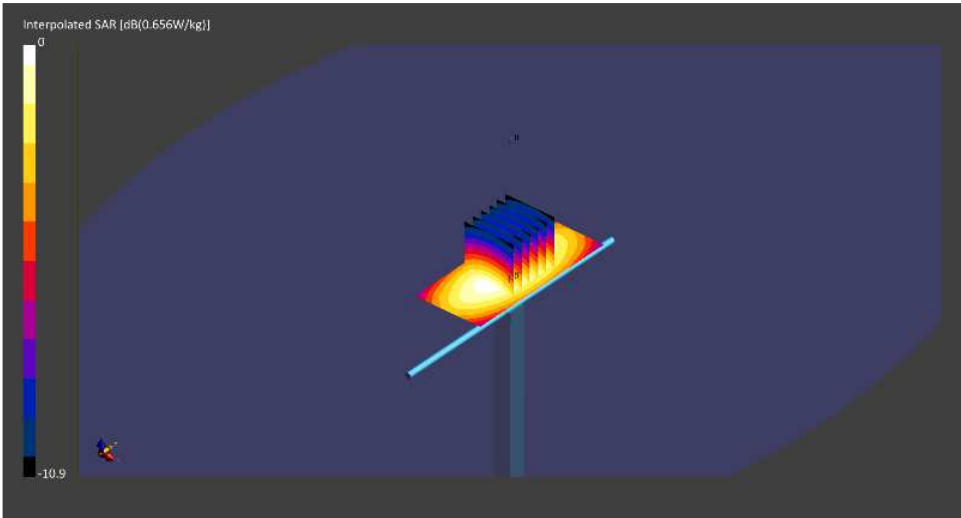
Probe Calibration Date	EX3DV4 - SN7549 2022-02-21	Phantom	ELI V5.0 (20deg probe tilt)
DAE Calibration Date	DAE4 Sn1716 2022-03-08	TSL Type	HBBL-600-10000

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
Graded Grid	Yes	Yes
M2/M1 [%]		86.9
Dist 3dB Peak [mm]		17.7

Measurement Results

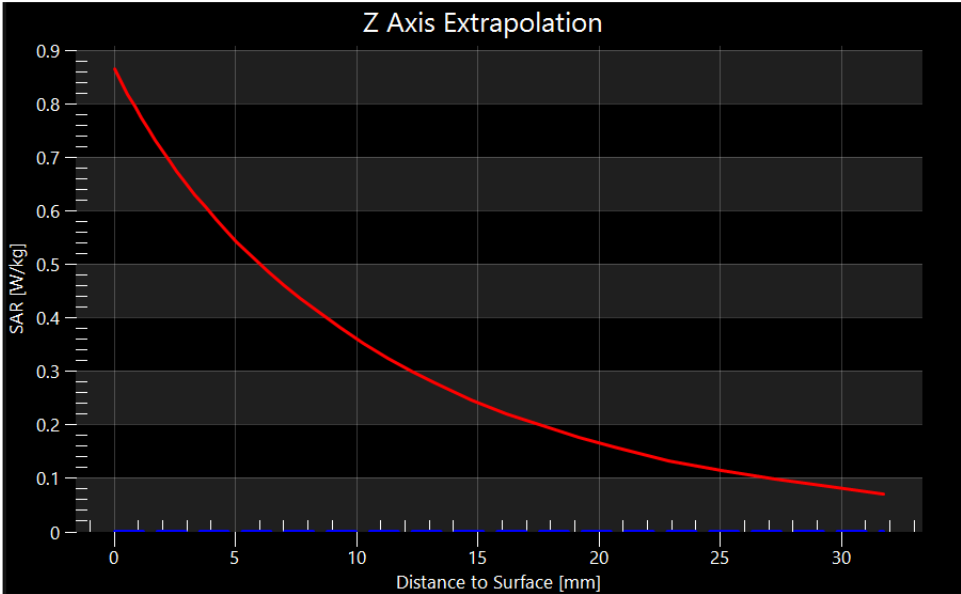
	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.564	0.552
psSAR10g [W/Kg]	0.368	0.354
Power Drift [dB]	-0.02	0.01



2022-06-15 SystemPerformanceCheck-D900V2 - SN1d180

Summary

Dipole	D900V2 - SN1d180
Frequency [MHz]	900.0



2022-06-15 SystemPerformanceCheck-D2600V2 - SN1104

Summary

Dipole	D2600V2 - SN1104		
Frequency [MHz]	2600.0		
TSL	HSL	Dev. Peak [%]	4.0
Power [dBm]	17.0	Iso. Error [%]	2.6

Exposure Conditions

Band		TSL Permittivity	39.0
Frequency [MHz] Channel Number	2600.0 0	TSL Conductivity [S/m]	1.95
Group UID	0--	Phantom Section TSL	Flat HSL
Conversion Factor	7.02	Test Distance [mm]	

Hardware Setup

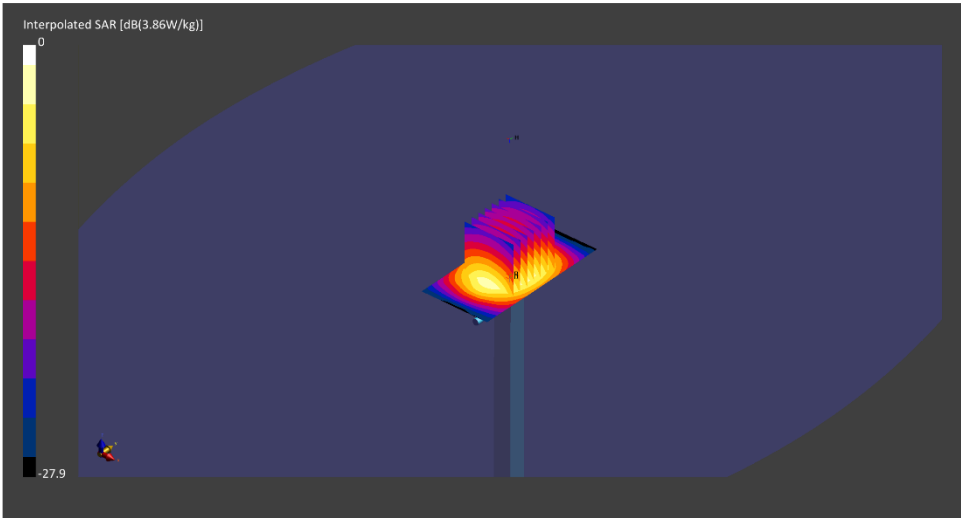
Probe Calibration Date	EX3DV4 - SN7549 2022-02-21	Phantom	ELI V5.0 (20deg probe tilt)
DAE Calibration Date	DAE4 Sn1716 2022-03-08	TSL Type	HBBL-600-10000

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
Graded Grid	Yes	Yes
M2/M1 [%]		79.3
Dist 3dB Peak [mm]		9.0

Measurement Results

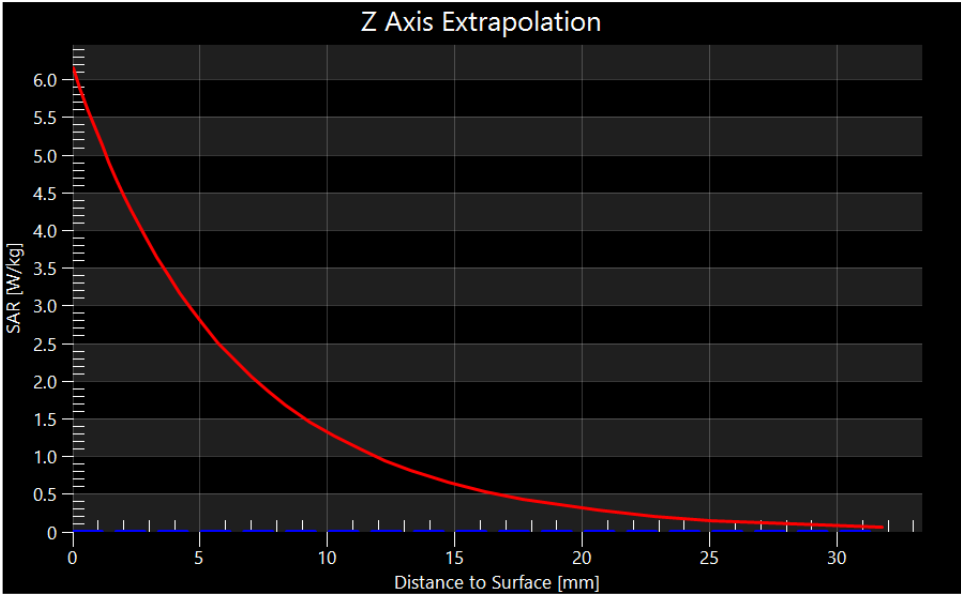
	Area Scan	Zoom Scan
psSAR1g [W/Kg]	2.87	2.81
psSAR10g [W/Kg]	1.28	1.25
Power Drift [dB]	-0.00	0.02



2022-06-15 SystemPerformanceCheck-D2600V2 - SN1104

Summary

Dipole	D2600V2 - SN1104
Frequency [MHz]	2600.0



2022-06-21 SystemPerformanceCheck-D3500V2 - SN1135

Summary

Dipole	D3500V2 - SN1135		
Frequency [MHz]	3500.0		
TSL	HSL	Dev. Peak [%]	-0.6
Power [dBm]	20.0	Iso. Error [%]	0.9

Exposure Conditions

Band		TSL Permittivity	38.2
Frequency [MHz] Channel Number	3500.0 0	TSL Conductivity [S/m]	2.83
Group UID	0--	Phantom Section TSL	Flat HSL
Conversion Factor	7.19	Test Distance [mm]	

Hardware Setup

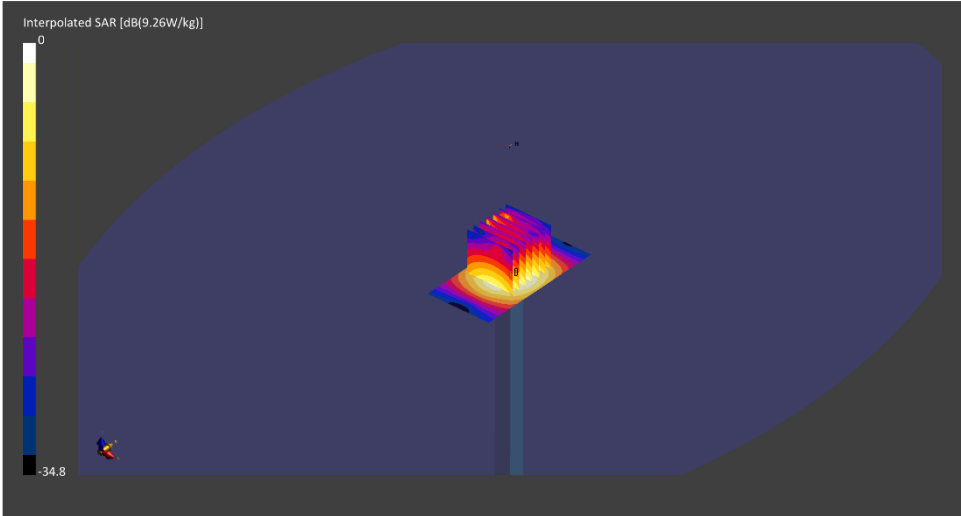
Probe Calibration Date	EX3DV4 - SN7711 2022-03-11	Phantom	ELI V5.0 (20deg probe tilt)
DAE Calibration Date	DAE4 Sn1715 2022-02-22	TSL Type	HBBL-600-10000

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
Graded Grid	Yes	Yes
M2/M1 [%]		75.4
Dist 3dB Peak [mm]		8.9

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	6.46	6.60
psSAR10g [W/Kg]	2.47	2.56
Power Drift [dB]	-0.10	-0.03



2022-06-21 SystemPerformanceCheck-D3500V2 - SN1135

Summary

Dipole

D3500V2 - SN1135

Frequency [MHz]

3500.0

