

Appendix A

Detailed System Check Results

1. System Performance Check
System Performance Check 13 MHz
System Performance Check 750 MHz
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System Performance Check 1950 MHz
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System Performance Check 2600 MHz
System Performance Check 3500 MHz
System Performance Check 3900 MHz
System Performance Check 5250 MHz
System Performance Check 5600 MHz
System Performance Check 5750 MHz
System Performance Check 6500 MHz
System Performance Check 10G Source

Test Laboratory: SGS-SAR Lab

System Check_Head_13MHz

DUT: CLA-13; Type: CLA-13; Serial: SN1032

Communication System: UID 0, CW (0); Frequency: 13 MHz; Duty Cycle: 1:1

Medium: HSL_13; Medium parameters used: $f = 13 \text{ MHz}$; $\sigma = 0.741 \text{ S/m}$; $\epsilon_r = 55.665$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3982; ConvF(15.44, 17.46, 16.16); Calibrated: 2025/11/7
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1374; Calibrated: 2026/2/2
- Phantom: ELI V5.0 (20deg probe tilt); Type: QD OVA 002 Ax; Serial: 1239
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Pin=250mW/Area Scan (8x8x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (measured) = 0.137 W/kg

Configuration/Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 14.70 V/m ; Power Drift = 0.14 dB

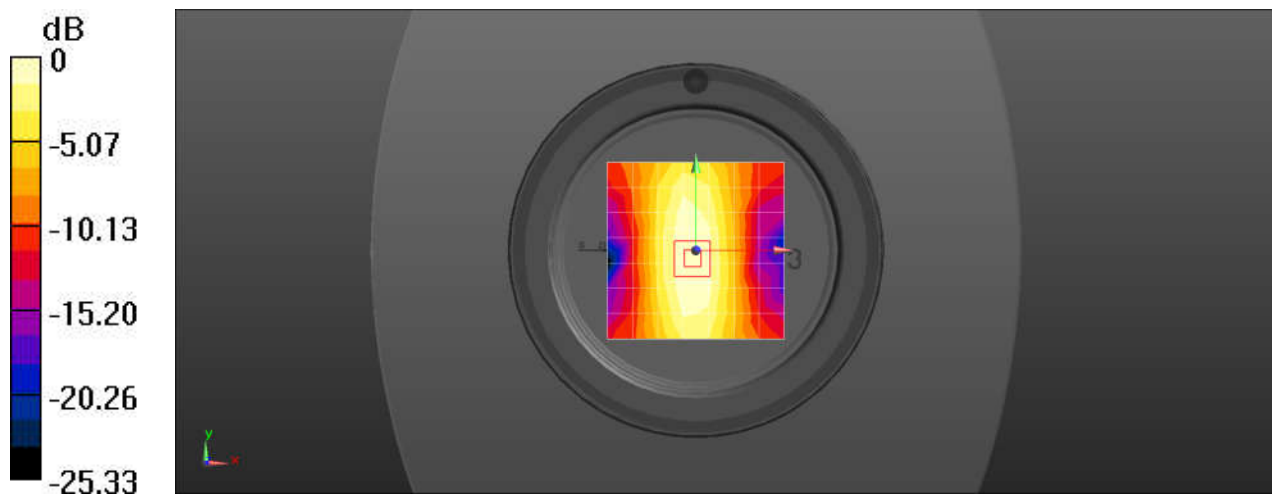
Peak SAR (extrapolated) = 0.201 W/kg

SAR(1 g) = 0.107 W/kg ; SAR(10 g) = 0.068 W/kg

Smallest distance from peaks to all points 3 dB below = 11.4 mm

Ratio of SAR at M2 to SAR at M1 = 48.6%

Maximum value of SAR (measured) = 0.161 W/kg



0 dB = 0.137 W/kg = -8.22 dBW/kg

System Performance Check 750MHz Head

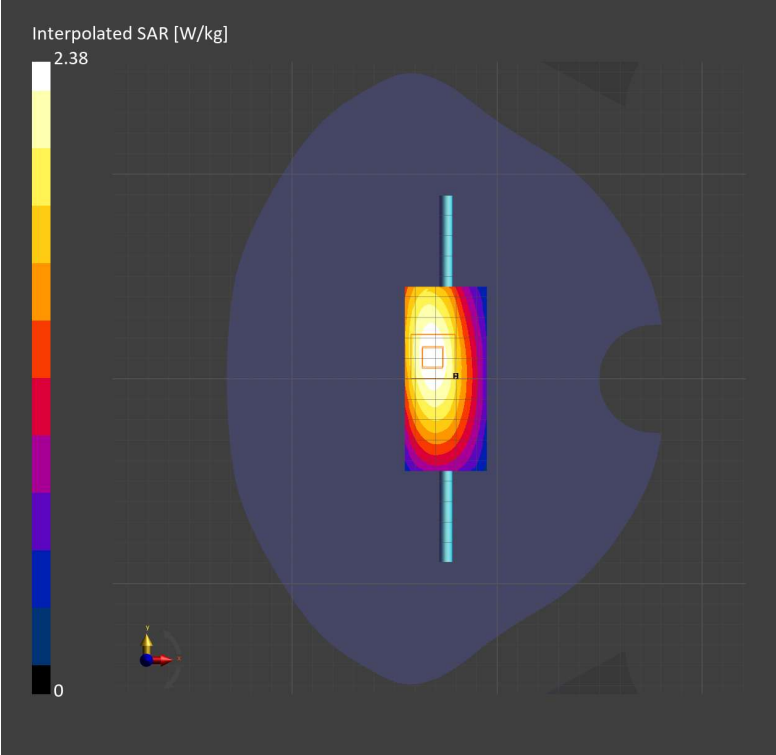
D750V3-SN 1214

Communication System: ; Frequency: 750.000
Medium: Head Simulating Liquid. Medium parameters used: $f=750.000$ MHz; $\sigma=0.883$ S/m; $\epsilon_r=41.7$

- DASY8 Configuration:
- Probe: EX3DV4 - SN3826; ConvF(9.01, 8.86, 9.15); Calibrated: 2025-07-03
 - Sensor-Surface: 1.4 mm
 - Electronics: DAE4ip Sn1826; Calibrated: 2026-04-27
 - Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2155
 - Measurement Software: cDASY8 V16.4.0.5005

Area Scan (40.0 mm x 90.0 mm): Measurement Grid: 10.0 mm x 15.0 mm
SAR (1g) = 2.07 W/kg; SAR (10g) = 1.40 W/kg;

Zoom Scan (32.0 mm x 32.0 mm x 30.0 mm): Measurement Grid: 6.0 mm x 6.0 mm x 1.5 mm
Power Drift = -0.01 dB
SAR (1g) = 2.11 W/kg; SAR (10g) = 1.42 W/kg;
M2/M1 [%]=82.9
Dist 3dB Peak [mm]=16.8



System Performance Check 835MHz Head

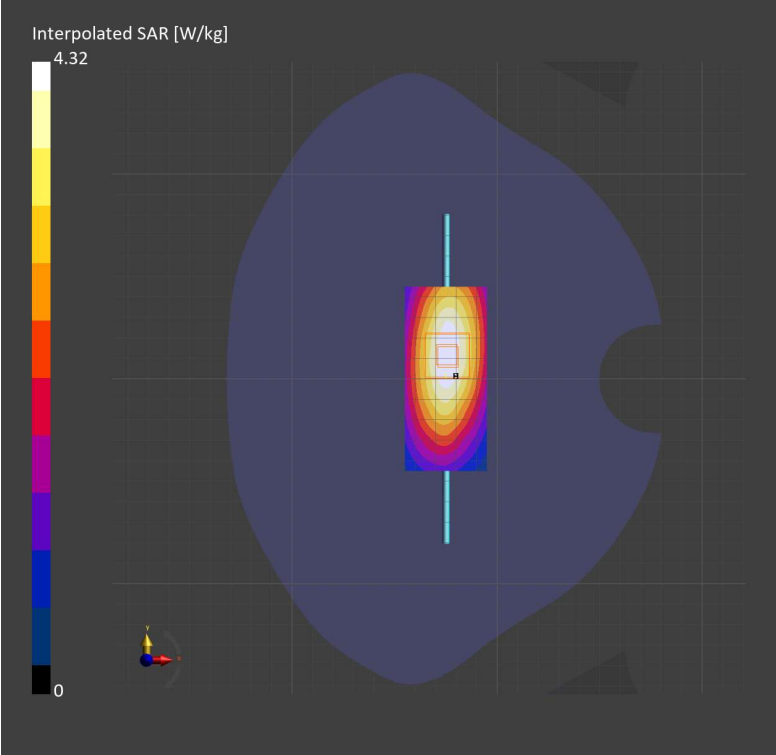
D835V2- SN 4d161

Communication System: ; Frequency: 835.000
Medium: Head Simulating Liquid. Medium parameters used: $f=835.000\text{ MHz}$; $\sigma=0.904\text{ S/m}$; $\epsilon_r=40.5$

- DASY8 Configuration:
- Probe: EX3DV4 - SN3826; ConvF(8.81, 8.65, 8.94); Calibrated: 2025-07-03
 - Sensor-Surface: 1.4 mm
 - Electronics: DAE4ip Sn1826; Calibrated: 2026-04-27
 - Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2155
 - Measurement Software: cDASY8 V16.4.0.5005

Area Scan (40.0 mm x 90.0 mm): Measurement Grid: 10.0 mm x 15.0 mm
SAR (1g) = 2.60 W/kg; SAR (10g) = 1.73 W/kg;

Zoom Scan (32.0 mm x 32.0 mm x 30.0 mm): Measurement Grid: 6.0 mm x 6.0 mm x 1.5 mm
Power Drift = -0.03 dB
SAR (1g) = 2.56 W/kg; SAR (10g) = 1.65 W/kg;
M2/M1 [%]=82.7
Dist 3dB Peak [mm]=15.7



System Performance Check 1750MHz Head

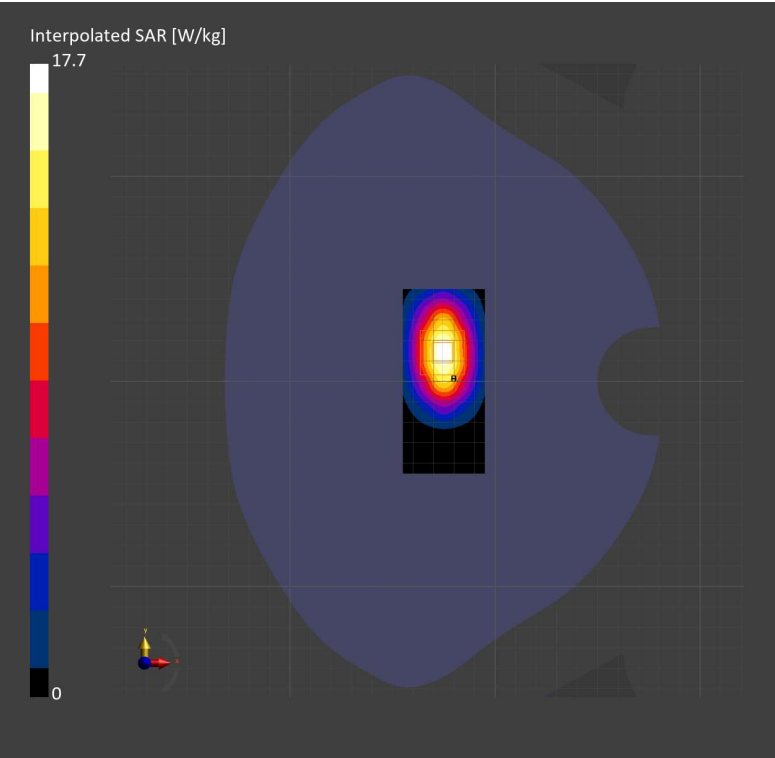
D1750V2-SN 1105

Communication System: ; Frequency: 1750.000
Medium: Head Simulating Liquid. Medium parameters used: $f=1750.000$ MHz; $\sigma=1.35$ S/m; $\epsilon_r=40.8$

- DASY8 Configuration:
- Probe: EX3DV4 - SN3826; ConvF(7.69, 7.55, 7.81); Calibrated: 2025-07-03
 - Sensor-Surface: 1.4 mm
 - Electronics: DAE4ip Sn1826; Calibrated: 2026-04-27
 - Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2155
 - Measurement Software: cDASY8 V16.4.0.5005

Area Scan (40.0 mm x 90.0 mm): Measurement Grid: 10.0 mm x 15.0 mm
SAR (1g) = 9.23 W/kg; SAR (10g) = 4.94 W/kg;

Zoom Scan (32.0 mm x 32.0 mm x 30.0 mm): Measurement Grid: 6.0 mm x 6.0 mm x 1.5 mm
Power Drift = -0.02 dB
SAR (1g) = 9.33 W/kg; SAR (10g) = 5.11 W/kg;
M2/M1 [%]=80.7
Dist 3dB Peak [mm]=10.8



System Performance Check 1950MHz Head

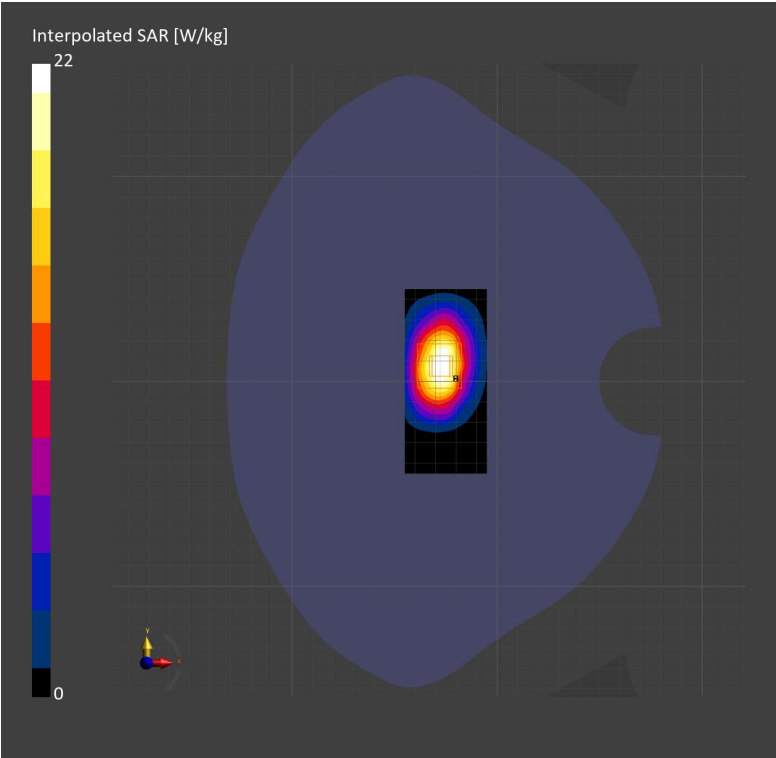
D1950V2-SN 1138

Communication System: ; Frequency: 1950.000
Medium: Head Simulating Liquid. Medium parameters used: $f=1950.000$ MHz; $\sigma=1.44$ S/m; $\epsilon_r=40.3$

- DASY8 Configuration:
- Probe: EX3DV4 - SN3826; ConvF(7.32, 7.19, 7.43); Calibrated: 2025-07-03
 - Sensor-Surface: 1.4 mm
 - Electronics: DAE4ip Sn1826; Calibrated: 2026-04-27
 - Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2155
 - Measurement Software: cDASY8 V16.4.0.5005

Area Scan (40.0 mm x 90.0 mm): Measurement Grid: 10.0 mm x 15.0 mm
SAR (1g) = 10.4 W/kg; SAR (10g) = 5.49 W/kg;

Zoom Scan (32.0 mm x 32.0 mm x 30.0 mm): Measurement Grid: 6.0 mm x 6.0 mm x 1.5 mm
Power Drift = -0.00 dB
SAR (1g) = 10.4 W/kg; SAR (10g) = 5.41 W/kg;
M2/M1 [%]=78.9
Dist 3dB Peak [mm]=10.3



System Performance Check 2450MHz Head

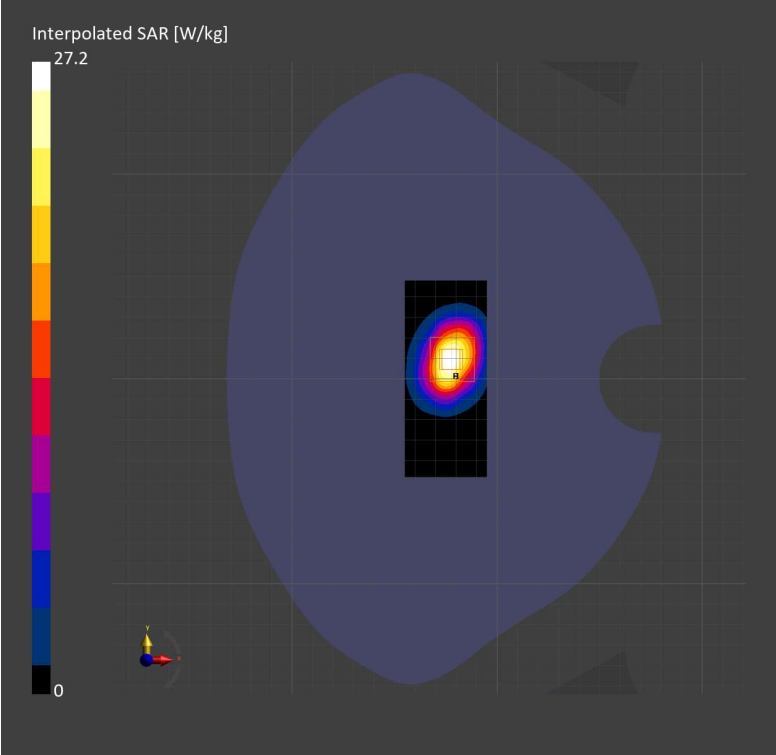
D2450V2- SN 922

Communication System: ; Frequency: 2450.000
Medium: Head Simulating Liquid. Medium parameters used: $f=2450.000$ MHz; $\sigma=1.79$ S/m; $\epsilon_r=40.4$

- DASY8 Configuration:
- Probe: EX3DV4 - SN3826; ConvF(6.85, 6.73, 6.96); Calibrated: 2025-07-03
 - Sensor-Surface: 1.4 mm
 - Electronics: DAE4ip Sn1826; Calibrated: 2026-04-27
 - Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2155
 - Measurement Software: cDASY8 V16.4.0.5005

Area Scan (40.0 mm x 96.0 mm): Measurement Grid: 10.0 mm x 12.0 mm
SAR (1g) = 12.2 W/kg; SAR (10g) = 5.85 W/kg;

Zoom Scan (30.0 mm x 30.0 mm x 30.0 mm): Measurement Grid: 5.0 mm x 5.0 mm x 1.5 mm
Power Drift = -0.00 dB
SAR (1g) = 12.2 W/kg; SAR (10g) = 5.81 W/kg;
M2/M1 [%]=78.0
Dist 3dB Peak [mm]=9.0



System Performance Check 2600MHz Head

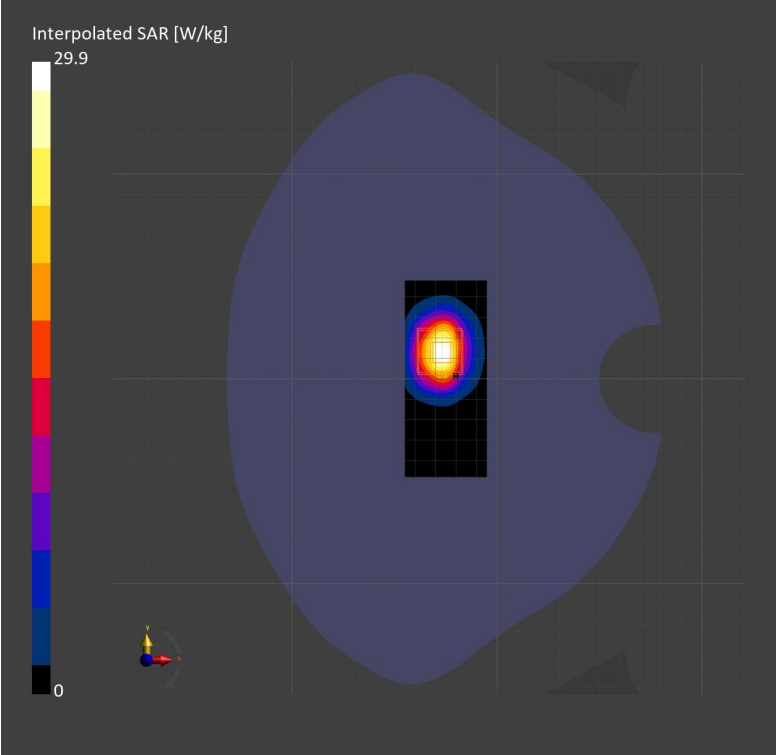
D2600V2-SN 1158

Communication System: ; Frequency: 2600.000
Medium: Head Simulating Liquid. Medium parameters used: $f=2600.000$ MHz; $\sigma=1.95$ S/m; $\epsilon_r=39.7$

- DASY8 Configuration:
- Probe: EX3DV4 - SN3826; ConvF(6.68, 6.56, 6.78); Calibrated: 2025-07-03
 - Sensor-Surface: 1.4 mm
 - Electronics: DAE4ip Sn1826; Calibrated: 2026-04-27
 - Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2155
 - Measurement Software: cDASY8 V16.4.0.5005

Area Scan (40.0 mm x 96.0 mm): Measurement Grid: 10.0 mm x 12.0 mm
SAR (1g) = 13.6 W/kg; SAR (10g) = 6.24 W/kg;

Zoom Scan (30.0 mm x 30.0 mm x 30.0 mm): Measurement Grid: 5.0 mm x 5.0 mm x 1.5 mm
Power Drift = 0.03 dB
SAR (1g) = 14.1 W/kg; SAR (10g) = 6.47 W/kg;
M2/M1 [%]=79.5
Dist 3dB Peak [mm]=9.0



System Performance Check 3500MHz Head

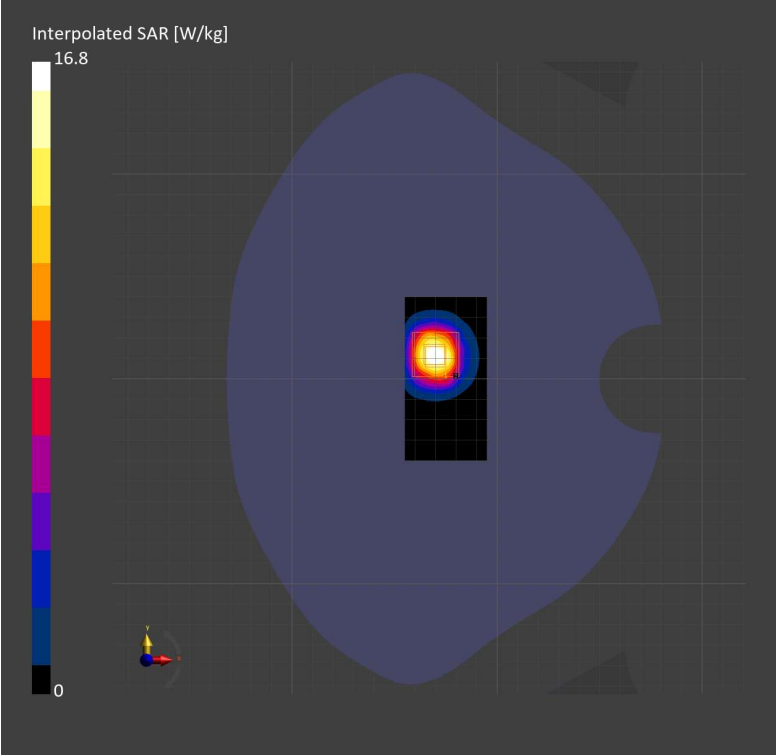
D3500V2-SN 1133

Communication System: ; Frequency: 3500.000
Medium: Head Simulating Liquid. Medium parameters used: $f=3500.000$ MHz; $\sigma=2.94$ S/m; $\epsilon_r=38.4$

- DASY8 Configuration:
- Probe: EX3DV4 - SN3826; ConvF(6.52, 6.41, 6.62); Calibrated: 2025-07-03
 - Sensor-Surface: 1.4 mm
 - Electronics: DAE4ip Sn1826; Calibrated: 2026-04-27
 - Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2155
 - Measurement Software: cDASY8 V16.4.0.5005

Area Scan (40.0 mm x 80.0 mm): Measurement Grid: 10.0 mm x 10.0 mm
SAR (1g) = 6.01 W/kg; SAR (10g) = 2.48 W/kg;

Zoom Scan (30.0 mm x 30.0 mm x 28.0 mm): Measurement Grid: 5.0 mm x 5.0 mm x 1.4 mm
Power Drift = -0.02 dB
SAR (1g) = 6.44 W/kg; SAR (10g) = 2.45 W/kg;
M2/M1 [%]=76.1
Dist 3dB Peak [mm]=8.3



System Performance Check 3900MHz Head

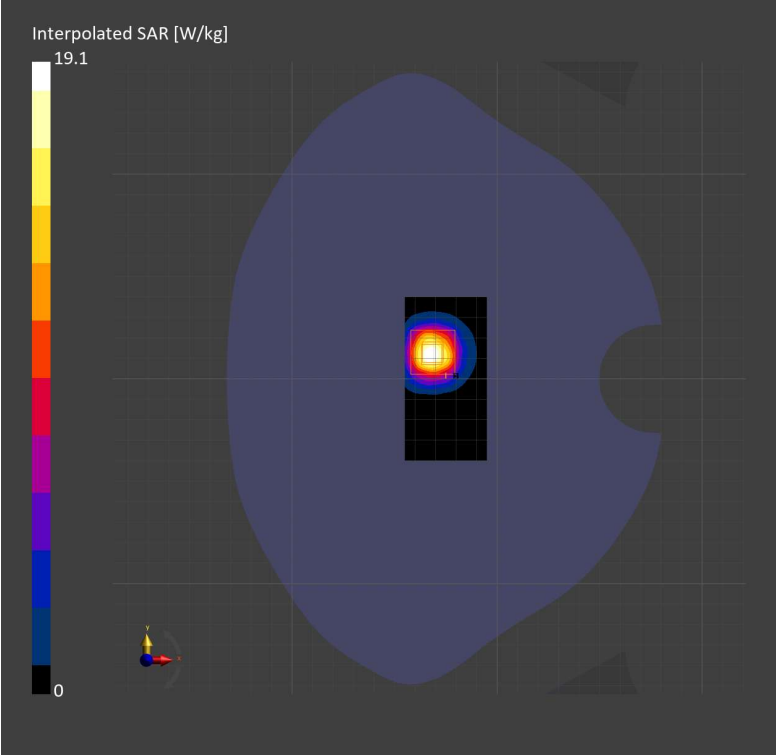
D3900V2-SN 1083

Communication System: ; Frequency: 3900.000
Medium: Head Simulating Liquid. Medium parameters used: $f=3900.000$ MHz; $\sigma=3.40$ S/m; $\epsilon_r=37.1$

- DASY8 Configuration:
- Probe: EX3DV4 - SN3826; ConvF(6.35, 6.24, 6.45); Calibrated: 2025-07-03
 - Sensor-Surface: 1.4 mm
 - Electronics: DAE4ip Sn1826; Calibrated: 2026-04-27
 - Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2155
 - Measurement Software: cDASY8 V16.4.0.5005

Area Scan (40.0 mm x 80.0 mm): Measurement Grid: 10.0 mm x 10.0 mm
SAR (1g) = 6.04 W/kg; SAR (10g) = 2.33 W/kg;

Zoom Scan (30.0 mm x 30.0 mm x 28.0 mm): Measurement Grid: 5.0 mm x 5.0 mm x 1.4 mm
Power Drift = 0.01 dB
SAR (1g) = 6.61 W/kg; SAR (10g) = 2.31 W/kg;
M2/M1 [%]=72.6
Dist 3dB Peak [mm]=8.3



System Performance Check 5250MHz Head

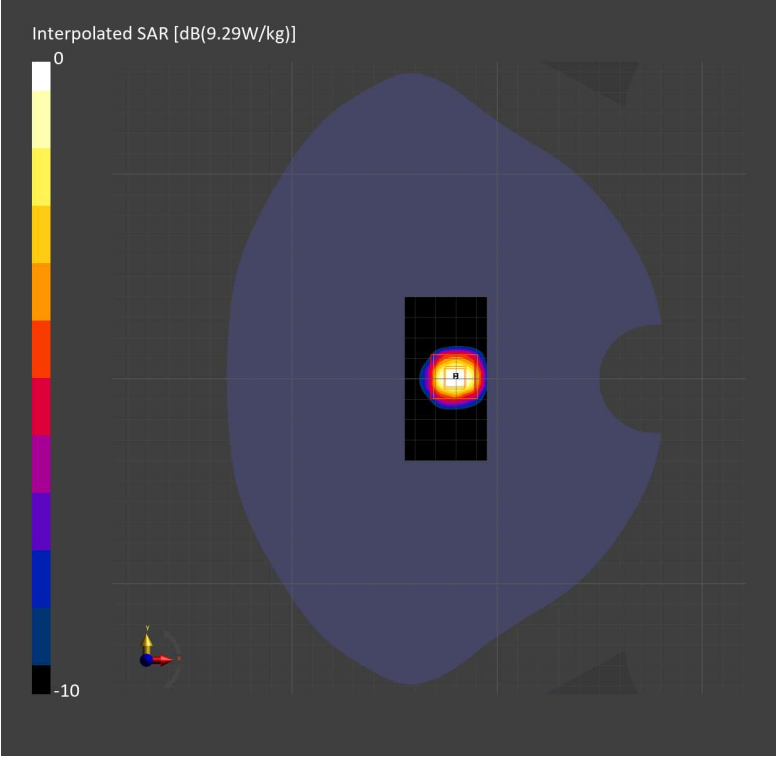
D5GHzV2-SN 1174

Communication System: ; Frequency: 5250.000
Medium: Head Simulating Liquid. Medium parameters used: $f=5250.000$ MHz; $\sigma=4.73$ S/m; $\epsilon_r=35.9$

- DASY8 Configuration:
- Probe: EX3DV4 - SN3826; ConvF(5.29, 5.2, 5.38); Calibrated: 2025-07-03
 - Sensor-Surface: 1.4 mm
 - Electronics: DAE4ip Sn1826; Calibrated: 2026-04-27
 - Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2155
 - Measurement Software: cDASY8 V16.4.0.5005

Area Scan (40.0 mm x 80.0 mm): Measurement Grid: 10.0 mm x 10.0 mm
SAR (1g) = 6.50 W/kg; SAR (10g) = 2.04 W/kg;

Zoom Scan (24.0 mm x 24.0 mm x 22.0 mm): Measurement Grid: 4.0 mm x 4.0 mm x 1.4 mm
Power Drift = -0.01 dB
SAR (1g) = 7.55 W/kg; SAR (10g) = 2.16 W/kg;
M2/M1 [%]=65.2
Dist 3dB Peak [mm]=7.4



System Performance Check 5600MHz Head

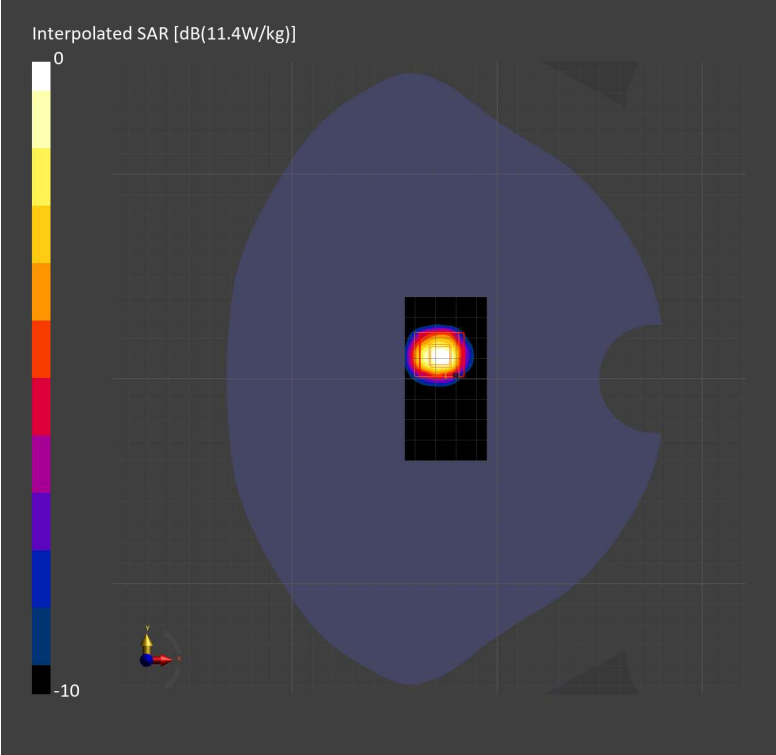
D5GHzV2-SN 1174

Communication System: ; Frequency: 5600.000
Medium: Head Simulating Liquid. Medium parameters used: $f=5600.000$ MHz; $\sigma=5.12$ S/m; $\epsilon_r=34.9$

- DASY8 Configuration:
- Probe: EX3DV4 - SN3826; ConvF(4.8, 4.72, 4.87); Calibrated: 2025-07-03
 - Sensor-Surface: 1.4 mm
 - Electronics: DAE4ip Sn1826; Calibrated: 2026-04-27
 - Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2155
 - Measurement Software: cDASY8 V16.4.0.5005

Area Scan (40.0 mm x 80.0 mm): Measurement Grid: 10.0 mm x 10.0 mm
SAR (1g) = 7.71 W/kg; SAR (10g) = 2.35 W/kg;

Zoom Scan (24.0 mm x 24.0 mm x 22.0 mm): Measurement Grid: 4.0 mm x 4.0 mm x 1.4 mm
Power Drift = 0.03 dB
SAR (1g) = 8.66 W/kg; SAR (10g) = 2.41 W/kg;
M2/M1 [%]=62.5
Dist 3dB Peak [mm]=7.2



System Performance Check 5750MHz Head

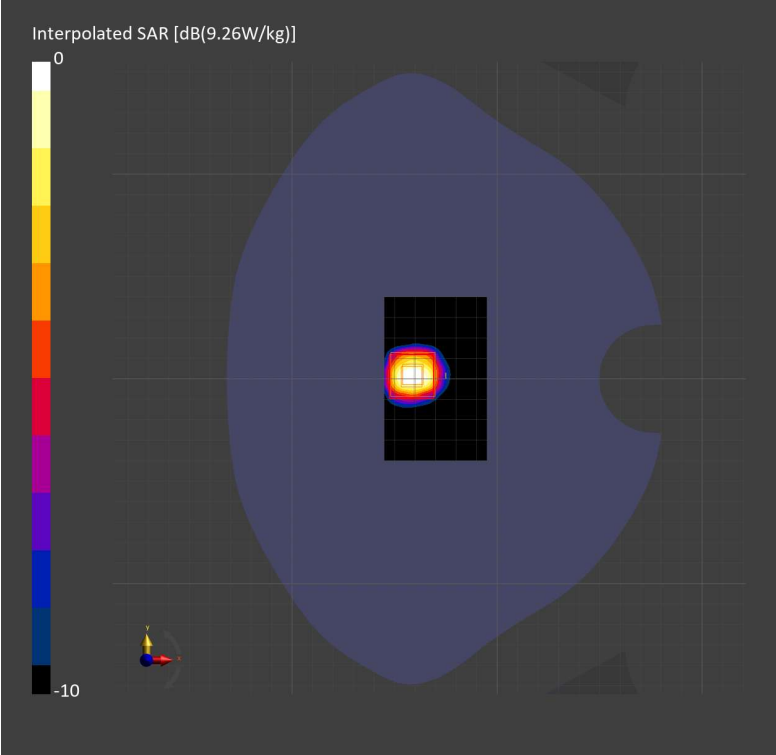
D5GHzV2-SN 1174

Communication System: ; Frequency: 5750.000
Medium: Head Simulating Liquid. Medium parameters used: $f=5750.000$ MHz; $\sigma=5.29$ S/m; $\epsilon_r=34.6$

- DASY8 Configuration:
- Probe: EX3DV4 - SN3826; ConvF(4.9, 4.82, 4.98); Calibrated: 2025-07-03
 - Sensor-Surface: 1.4 mm
 - Electronics: DAE4ip Sn1826; Calibrated: 2026-04-27
 - Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2155
 - Measurement Software: cDASY8 V16.4.0.5005

Area Scan (40.0 mm x 80.0 mm): Measurement Grid: 10.0 mm x 10.0 mm
SAR (1g) = 6.57 W/kg; SAR (10g) = 2.07 W/kg;

Zoom Scan (24.0 mm x 24.0 mm x 22.0 mm): Measurement Grid: 4.0 mm x 4.0 mm x 1.4 mm
Power Drift = -0.01 dB
SAR (1g) = 7.37 W/kg; SAR (10g) = 2.13 W/kg;
M2/M1 [%]=60.7
Dist 3dB Peak [mm]=7.6



System Performance Check 6500 MHz Head

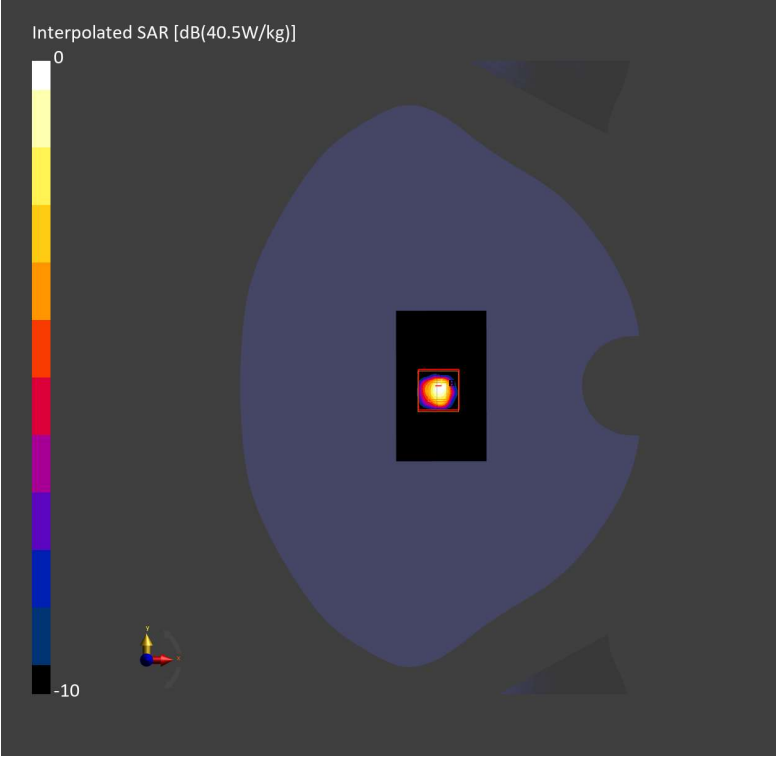
D6.5GHzV2-SN 1102

Communication System: ; Frequency: 6500.000
Medium: Head Simulating Liquid. Medium parameters used: $f=6500.000$ MHz; $\sigma=6.20$ S/m; $\epsilon_r=34.1$

- DASY8 Configuration:
- Probe: EX3DV4 - SN3826; ConvF(5.15, 5.07, 5.24); Calibrated: 2025-07-03
 - Sensor-Surface: 1.4 mm
 - Electronics: DAE4ip Sn1826; Calibrated: 2026-04-27
 - Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2155
 - Measurement Software: cDASY8 V16.4.0.5005

Area Scan (48.0 mm x 80.0 mm): Measurement Grid: 8.0 mm x 8.0 mm
SAR (1g) = 24.4 W/kg; SAR (10g) = 5.12 W/kg;

Zoom Scan (24.0 mm x 24.0 mm x 22.0 mm): Measurement Grid: 3.4 mm x 3.4 mm x 1.4 mm
Power Drift = 0.01 dB
SAR (1g) = 30.5 W/kg; SAR (8g) = 6.77 W/kg; SAR (10g) = 5.55 W/kg
psAPD (4.0cm², sq) [W/m²]=137
M2/M1 [%]=50.6
Dist 3dB Peak [mm]=4.4



Device Under Test Properties

Model, Manufacturer	Dimensions [mm]	DUT Type
10G Source,	100.0 x 100.0 x 100.0	Source

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G	FRONT, 10.00	Validation band	CW, 0--	10000.0, 10000	1.0

Hardware Setup

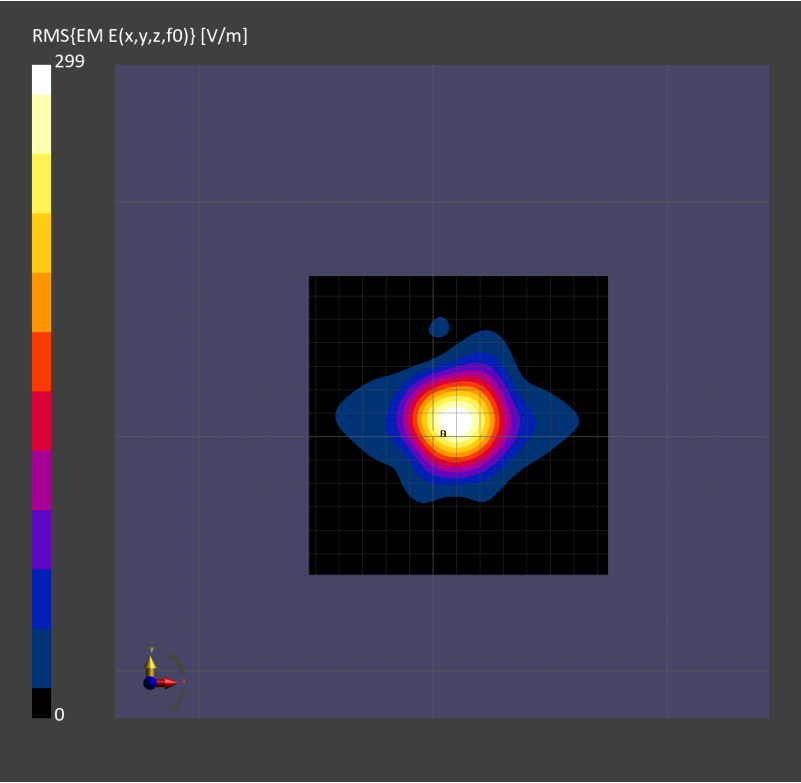
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave – 1777	Air –	EUmmWV4 – SN9718_F1–55GHz, 2025–08–04	DAE4ip Sn1826, 2026–04–27

Scans Setup

Scan Type	5G Scan
Grid Extents [mm]	120.0 x 120.0
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	10.0
MAIA	N/A

Measurement Results

Scan Type	5G Scan
Date	2026–05–31
Avg. Area [cm²]	4.00
psPDn+ [W/m²]	176
psPDtot+ [W/m²]	170
psPDmod+ [W/m²]	179
E _{max} [V/m]	286
Power Drift [dB]	0.09





Report No.: SUCR260400034210
Amendment 01
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- End of the Appendix -