Appendix A

Detailed System Check Results

1. System Performance Check
System Performance Check 750 MHz Head
System Performance Check 835 MHz Head
System Performance Check 1750 MHz Head
System Performance Check 1950 MHz Head
System Performance Check 2300 MHz Head
System Performance Check 2450 MHz Head
System Performance Check 2600 MHz Head
System Performance Check 3500 MHz Head
System Performance Check 3700 MHz Head
System Performance Check 3900 MHz Head
System Performance Check 5250 MHz Head
System Performance Check 5600 MHz Head
System Performance Check 5750 MHz Head
System Performance Check 6.5GHz Head
System Performance Check PD Head

SGS-SAR Lab Date: 2024-12-18

System Performance Check 750 MHz Head

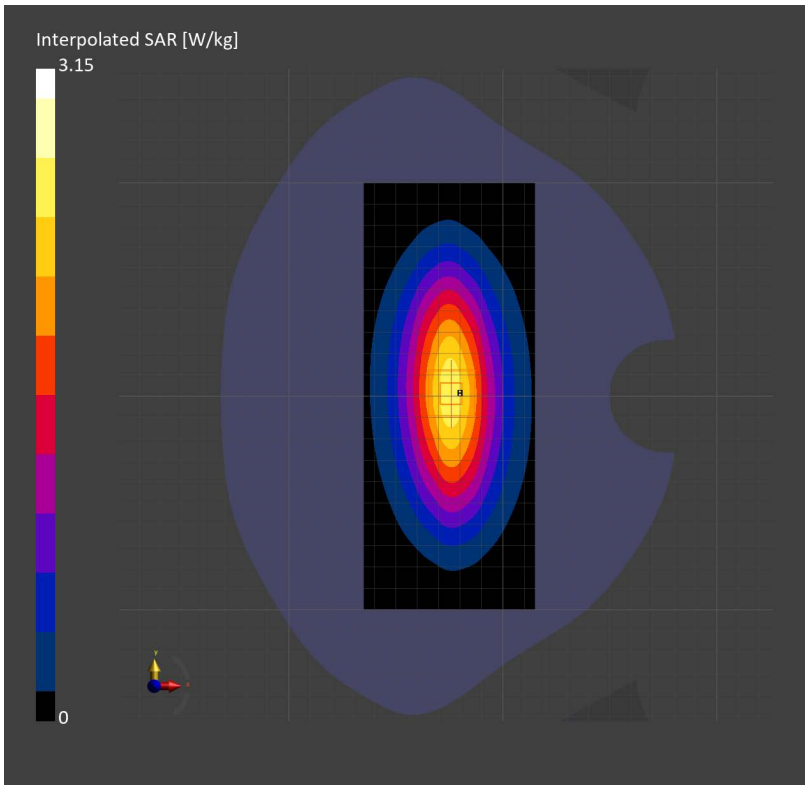
D750V3-SN 1160

Communication System: D750; Frequency: 750.000
Medium: Head Simulating Liquid. Medium parameters used: f= 750.000 MHz; σ= 0.885 S/m; ε_r = 43.9

DASY8 Configuration:
- Probe: EX3DV4 - SN7636; ConvF(10.65, 10.65, 10.65); Calibrated: 2024-07-17
- Sensor-Surface: 1.4 mm
- Electronics: DAE4ip Sn1803; Calibrated: 2024-08-08
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2156
- Measurement Software: cDASY8 V16.4.0.5005

Area Scan (75.0 mm x 195.0 mm): Measurement Grid: 10.0 mm x 10.0 mm
SAR (1g) = 2.23 W/kg; SAR (10g) = 1.49 W/kg;

Zoom Scan (32.0 mm x 32.0 mm x 30.0 mm): Measurement Grid: 8.0 mm x 8.0 mm x 5.0 mm
Power Drift = -0.07 dB
SAR (1g) = 2.15 W/kg; SAR (10g) = 1.42 W/kg;
M2/M1 [%]=68.1
Dist 3dB Peak [mm]=19.6



SGS-SAR Lab Date: 2024-12-19

System Performance Check 750MHz Head

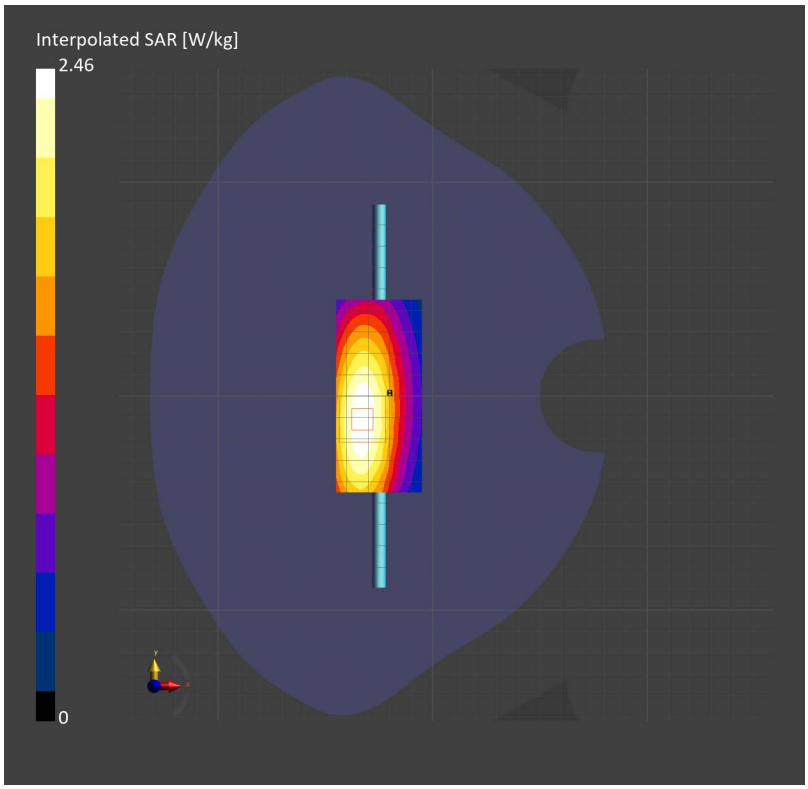
D750V3-SN 1160

Communication System: ; Frequency: 750.000
Medium: Head Simulating Liquid. Medium parameters used: f= 750.000 MHz; σ= 0.876 S/m; ε_r = 43.0

DASY6 Configuration:
- Probe: EX3DV4 - SN7838; ConvF(9.45, 9.01, 9.28); Calibrated: 2024-11-20
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn896; Calibrated: 2024-03-18
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2031
- Measurement Software: cDASY6 V16.4.0.5005

Area Scan (40.0 mm x 90.0 mm): Measurement Grid: 10.0 mm x 15.0 mm
SAR (1g) = 2.14 W/kg; SAR (10g) = 1.44 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) = 2.14 W/kg; SAR (10g) = 1.44 W/kg;
M2/M1 [%]=87.8
Dist 3dB Peak [mm]=16.8



SGS-SAR Lab Date: 2024-12-13

System Performance Check 750MHz Head

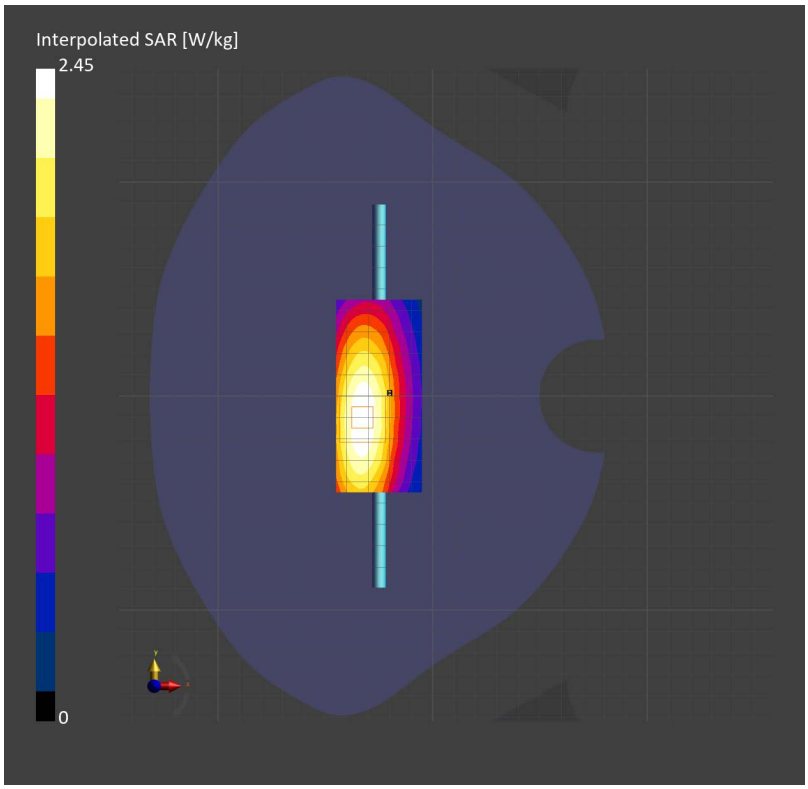
D750V3-SN 1160

Communication System: ; Frequency: 750.000
Medium: Head Simulating Liquid. Medium parameters used: f= 750.000 MHz; σ= 0.873 S/m; ε_r = 42.8

DASY6 Configuration:
- Probe: EX3DV4 - SN7838; ConvF(9.45, 9.01, 9.28); Calibrated: 2024-11-20
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn896; Calibrated: 2024-03-18
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2031
- Measurement Software: cDASY6 V16.4.0.5005

Area Scan (40.0 mm x 90.0 mm): Measurement Grid: 10.0 mm x 15.0 mm
SAR (1g) = 2.13 W/kg; SAR (10g) = 1.43 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) = 2.13 W/kg; SAR (10g) = 1.43 W/kg;
M2/M1 [%]=88.0
Dist 3dB Peak [mm]=16.8



SGS-SAR Lab Date: 2024-12-18

System Performance Check 835 MHz Head

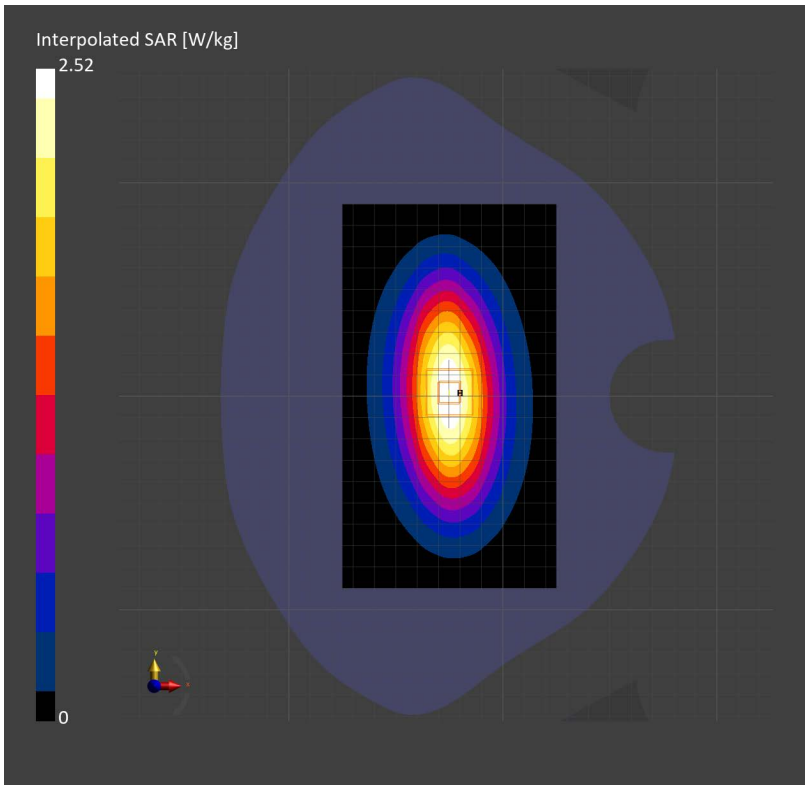
D835V2-SN 4d105

Communication System: D835; Frequency: 835.000
Medium: Head Simulating Liquid. Medium parameters used: f= 835.000 MHz; σ= 0.885 S/m; ε_r = 43.1

DASY8 Configuration:
- Probe: EX3DV4 - SN7636; ConvF(10.65, 10.65, 10.65); Calibrated: 2024-07-17
- Sensor-Surface: 1.4 mm
- Electronics: DAE4ip Sn1803; Calibrated: 2024-08-08
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2156
- Measurement Software: cDASY8 V16.4.0.5005

Area Scan (90.0 mm x 180.0 mm): Measurement Grid: 10.0 mm x 10.0 mm
SAR (1g) = 2.23 W/kg; SAR (10g) = 1.47 W/kg;

Zoom Scan (32.0 mm x 32.0 mm x 30.0 mm): Measurement Grid: 8.0 mm x 8.0 mm x 5.0 mm
Power Drift = 0.01 dB
SAR (1g) = 2.22 W/kg; SAR (10g) = 1.46 W/kg;
M2/M1 [%]=68.8
Dist 3dB Peak [mm]=17.3



SGS-SAR Lab Date: 2024-12-15

System Performance Check 835MHz Head

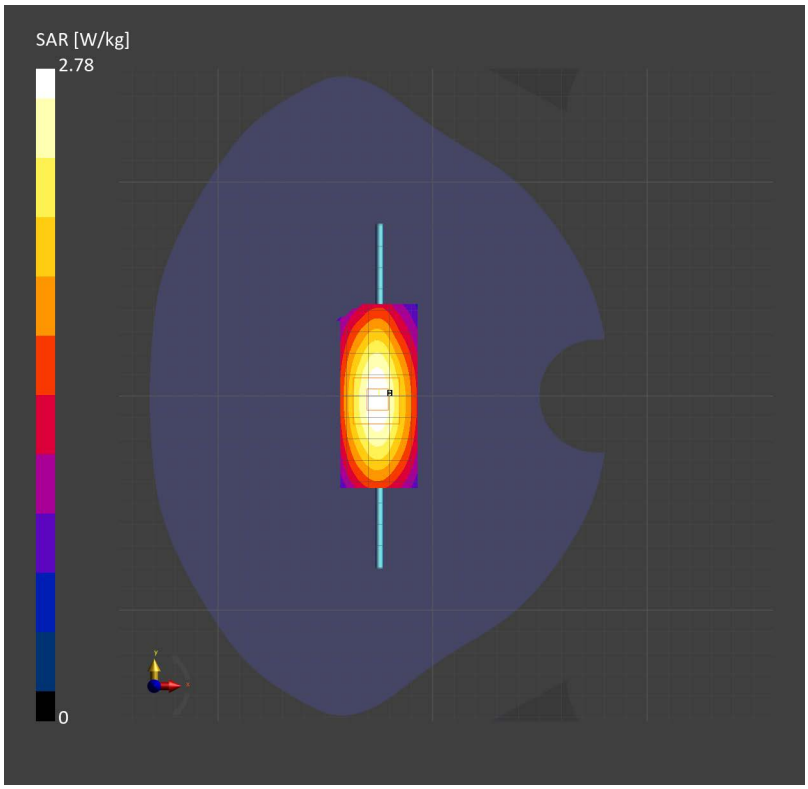
D835V2-SN 4d105

Communication System: ; Frequency: 835.000
Medium: Head Simulating Liquid. Medium parameters used: f= 835.000 MHz; σ= 0.880 S/m; ε_r = 40.6

DASY6 Configuration:
- Probe: EX3DV4 - SN7838; ConvF(8.89, 8.49, 8.74); Calibrated: 2024-11-20
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn896; Calibrated: 2024-03-18
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2031
- Measurement Software: cDASY6 V16.4.0.5005

Area Scan (40.0 mm x 90.0 mm): Measurement Grid: 10.0 mm x 15.0 mm
SAR (1g) = 2.58 W/kg; SAR (10g) = 1.70 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) = 2.59 W/kg; SAR (10g) = 1.72 W/kg;
M2/M1 [%]=88.5
Dist 3dB Peak [mm]=15.8



SGS-SAR Lab Date: 2024-12-18

System Performance Check 835MHz Head

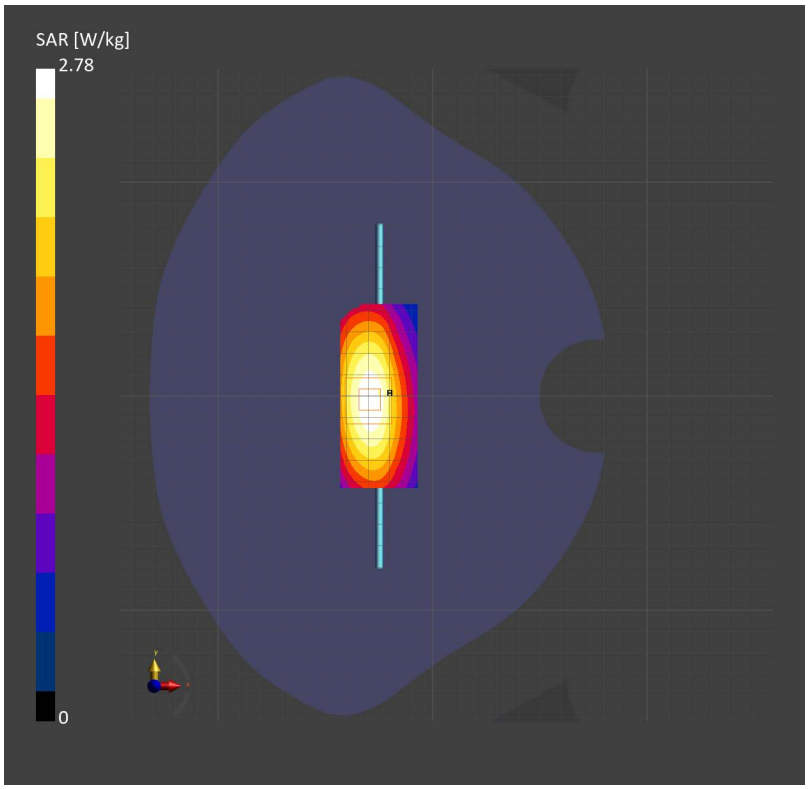
D835V2-SN 4d105

Communication System: ; Frequency: 835.000
Medium: Head Simulating Liquid. Medium parameters used: f= 835.000 MHz; σ= 0.890 S/m; ε_r = 41.0

DASY6 Configuration:
- Probe: EX3DV4 - SN7838; ConvF(8.89, 8.49, 8.74); Calibrated: 2024-11-20
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn896; Calibrated: 2024-03-18
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2031
- Measurement Software: cDASY6 V16.4.0.5005

Area Scan (40.0 mm x 90.0 mm): Measurement Grid: 10.0 mm x 15.0 mm
SAR (1g) = 2.59 W/kg; SAR (10g) = 1.71 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) = 2.57 W/kg; SAR (10g) = 1.71 W/kg;
M2/M1 [%]=89.0
Dist 3dB Peak [mm]=16.8



SGS-SAR Lab Date: 2024-12-23

System Performance Check 835MHz Head

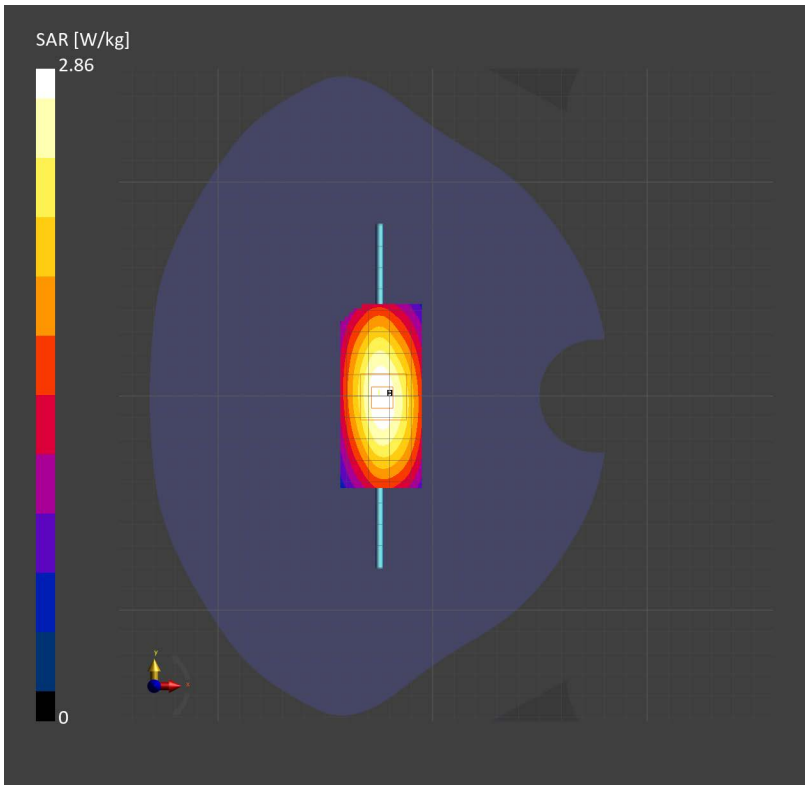
D835V2-SN 4d105

Communication System: ; Frequency: 835.000
Medium: Head Simulating Liquid. Medium parameters used: f= 835.000 MHz; σ= 0.919 S/m; ε_r = 41.0

DASY6 Configuration:
- Probe: EX3DV4 - SN7838; ConvF(8.89, 8.49, 8.74); Calibrated: 2024-11-20
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn896; Calibrated: 2024-03-18
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2031
- Measurement Software: cDASY6 V16.4.0.5005

Area Scan (40.0 mm x 90.0 mm): Measurement Grid: 10.0 mm x 15.0 mm
SAR (1g) = 2.56 W/kg; SAR (10g) = 1.69 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) = 2.51 W/kg; SAR (10g) = 1.67 W/kg;
M2/M1 [%]=87.9
Dist 3dB Peak [mm]=15.8



SGS-SAR Lab Date: 2024-12-18

System Performance Check 1750 MHz Head

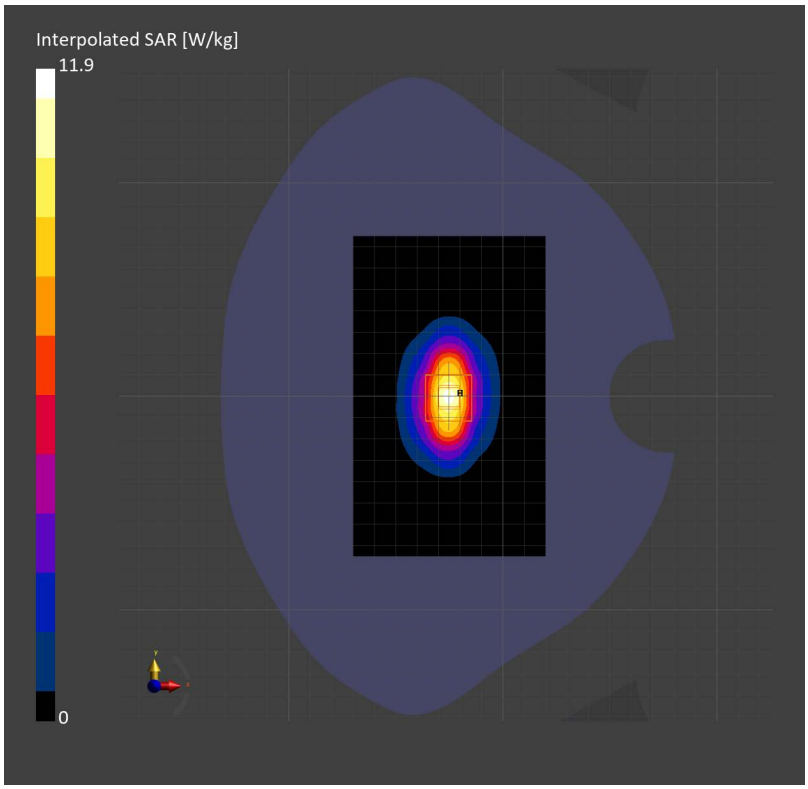
D1750V2-SN 1149

Communication System: D1750; Frequency: 1750.000
Medium: Head Simulating Liquid. Medium parameters used: f= 1750.000 MHz; σ= 1.34 S/m; ε_r = 41.9

DASY8 Configuration:
- Probe: EX3DV4 - SN7636; ConvF(8.85, 8.85, 8.85); Calibrated: 2024-07-17
- Sensor-Surface: 1.4 mm
- Electronics: DAE4ip Sn1803; Calibrated: 2024-08-08
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2156
- Measurement Software: cDASY8 V16.4.0.5005

Area Scan (90.0 mm x 135.0 mm): Measurement Grid: 15.0 mm x 15.0 mm
SAR (1g) = 9.01 W/kg; SAR (10g) = 4.81 W/kg;

Zoom Scan (32.0 mm x 32.0 mm x 30.0 mm): Measurement Grid: 8.0 mm x 8.0 mm x 5.0 mm
Power Drift = -0.05 dB
SAR (1g) = 9.44 W/kg; SAR (10g) = 5.09 W/kg;
M2/M1 [%]=55.8
Dist 3dB Peak [mm]=11.2



SGS-SAR Lab Date: 2024-12-14

System Performance Check 1750MHz Head

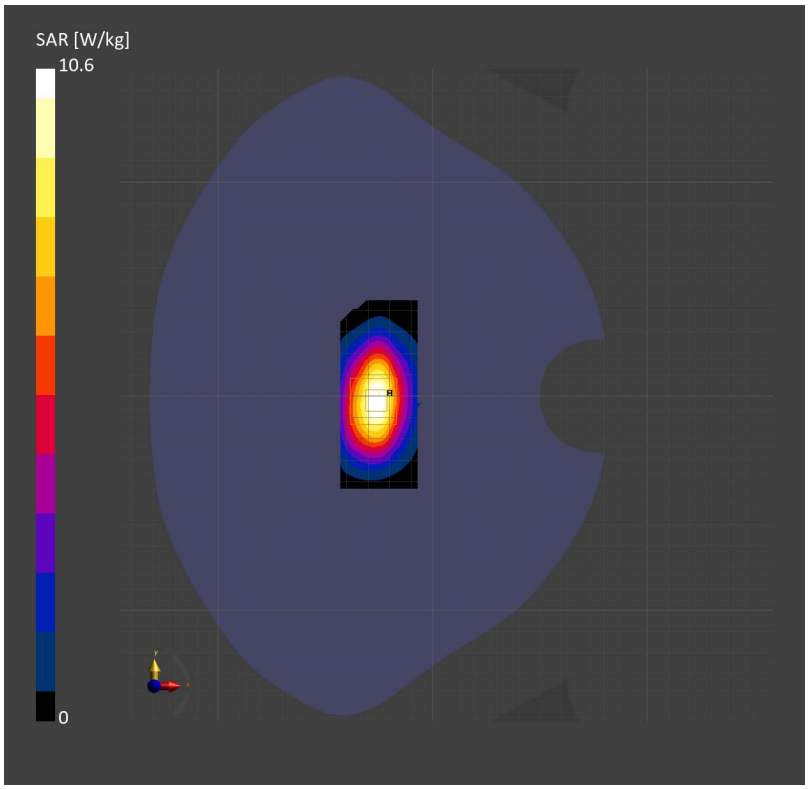
D1750V2-SN 1149

Communication System: ; Frequency: 1750.000
Medium: Head Simulating Liquid. Medium parameters used: f= 1750.000 MHz; σ= 1.32 S/m; ε_r = 40.2

DASY6 Configuration:
- Probe: EX3DV4 - SN7838; ConvF(8.05, 7.68, 7.91); Calibrated: 2024-11-20
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn896; Calibrated: 2024-03-18
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2031
- Measurement Software: cDASY6 V16.4.0.5005

Area Scan (40.0 mm x 90.0 mm): Measurement Grid: 10.0 mm x 15.0 mm
SAR (1g) = 9.61 W/kg; SAR (10g) = 5.12 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) = 9.60 W/kg; SAR (10g) = 5.20 W/kg;
M2/M1 [%]=84.7
Dist 3dB Peak [mm]=9.6



SGS-SAR Lab Date: 2024-12-20

System Performance Check 1750MHz Head

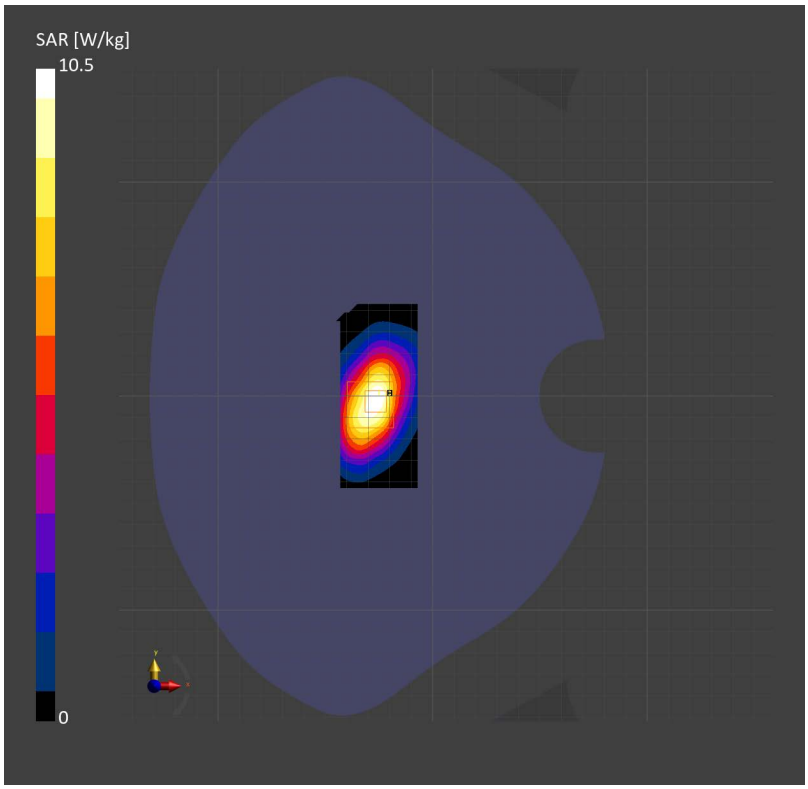
D1750V2-SN 1149

Communication System: ; Frequency: 1750.000
Medium: Head Simulating Liquid. Medium parameters used: f= 1750.000 MHz; σ= 1.31 S/m; ε_r = 40.2

DASY6 Configuration:
- Probe: EX3DV4 - SN7838; ConvF(8.05, 7.68, 7.91); Calibrated: 2024-11-20
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn896; Calibrated: 2024-03-18
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2031
- Measurement Software: cDASY6 V16.4.0.5005

Area Scan (40.0 mm x 90.0 mm): Measurement Grid: 10.0 mm x 15.0 mm
SAR (1g) = 9.57 W/kg; SAR (10g) = 5.17 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) = 9.50 W/kg; SAR (10g) = 5.15 W/kg;
M2/M1 [%]=84.9
Dist 3dB Peak [mm]=9.6



Date: 2024/12/8

Test Laboratory: SGS-SAR Lab

System Performance Check 1750MHz Head

DUT: D1750V2; Type: Dipole; Serial: 1149

Communication System: UID 0, CW (0); Frequency: 1750 MHz;Duty Cycle: 1:1

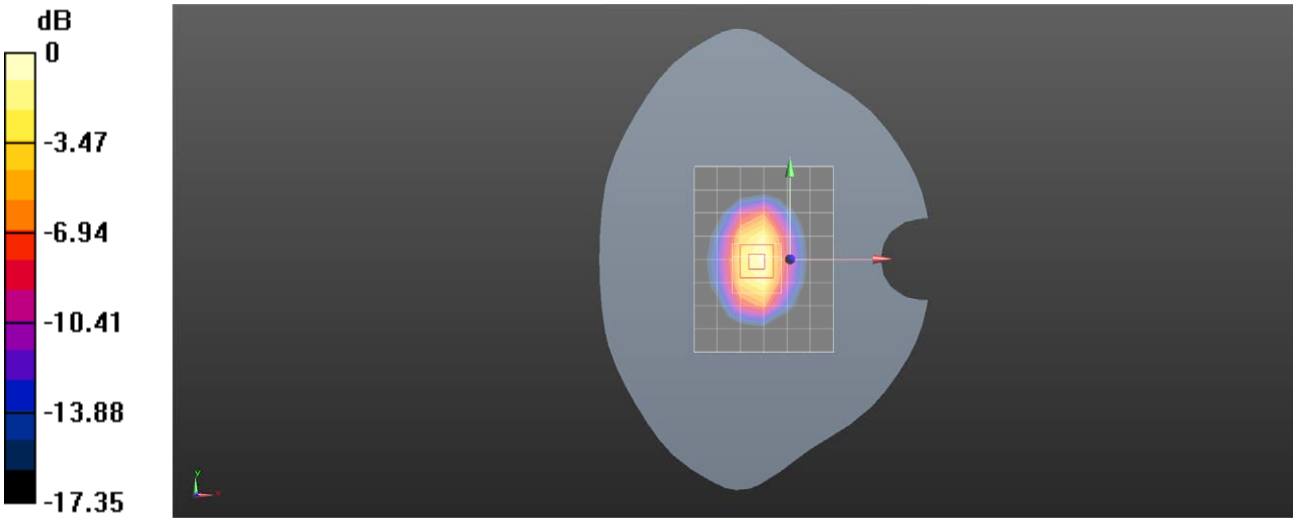
Medium: HSL1750;Medium parameters used: f = 1750 MHz; σ = 1.384 S/m; ε_r = 40.545; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3836; ConvF(8.02, 8.02, 8.02); Calibrated: 2024/9/19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn760; Calibrated: 2024/8/15
- Phantom: SAM5; Type: SAM Twin; Serial: 1673
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/d=10mm, Pin=250mW/Area Scan (7x9x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 9.87 W/kg

Configuration/d=10mm, Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 80.40 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 16.0 W/kg
SAR(1 g) = 8.98 W/kg; SAR(10 g) = 4.79 W/kg
Smallest distance from peaks to all points 3 dB below = 11.2 mm
Ratio of SAR at M2 to SAR at M1 = 57%
Maximum value of SAR (measured) = 11.2 W/kg



0 dB = 11.2 W/kg = 10.49 dBW/kg

SGS-SAR Lab Date: 2024-12-18

System Performance Check 1950 MHz Head

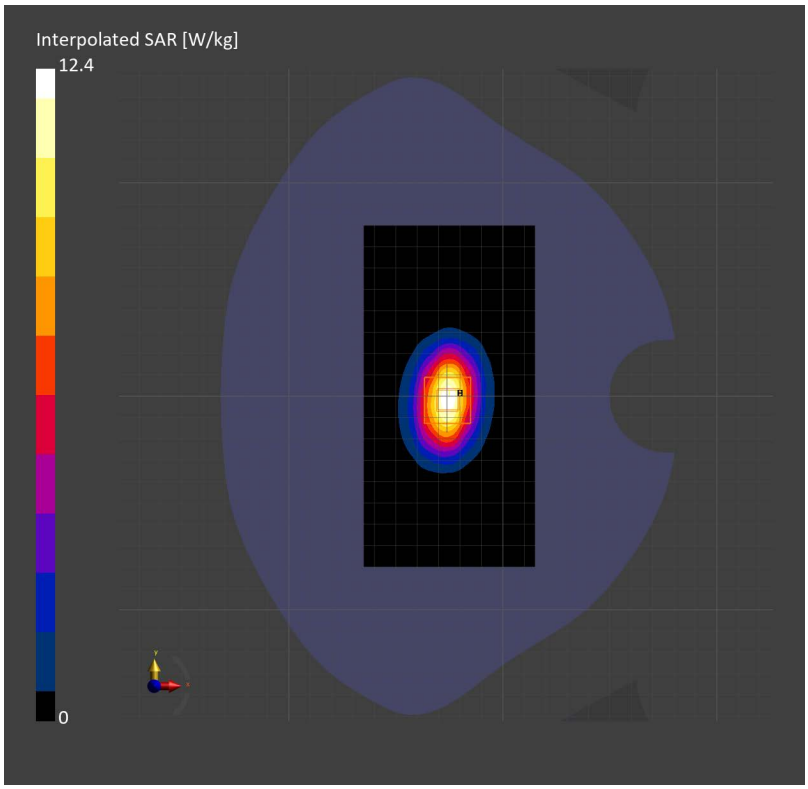
D1950V3-SN 1138

Communication System: D1950; Frequency: 1950.000
Medium: Head Simulating Liquid. Medium parameters used: f= 1950.000 MHz; σ= 1.46 S/m; ε_r = 41.6

DASY8 Configuration:
- Probe: EX3DV4 - SN7636; ConvF(8.51, 8.51, 8.51); Calibrated: 2024-07-17
- Sensor-Surface: 1.4 mm
- Electronics: DAE4ip Sn1803; Calibrated: 2024-08-08
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2156
- Measurement Software: cDASY8 V16.4.0.5005

Area Scan (75.0 mm x 150.0 mm): Measurement Grid: 10.0 mm x 10.0 mm
SAR (1g) = 9.78 W/kg; SAR (10g) = 5.05 W/kg;

Zoom Scan (32.0 mm x 32.0 mm x 30.0 mm): Measurement Grid: 8.0 mm x 8.0 mm x 5.0 mm
Power Drift = 0.03 dB
SAR (1g) = 9.65 W/kg; SAR (10g) = 5.04 W/kg;
M2/M1 [%]=55.9
Dist 3dB Peak [mm]=10.8



SGS-SAR Lab Date: 2024-12-16

System Performance Check 1950MHz Head

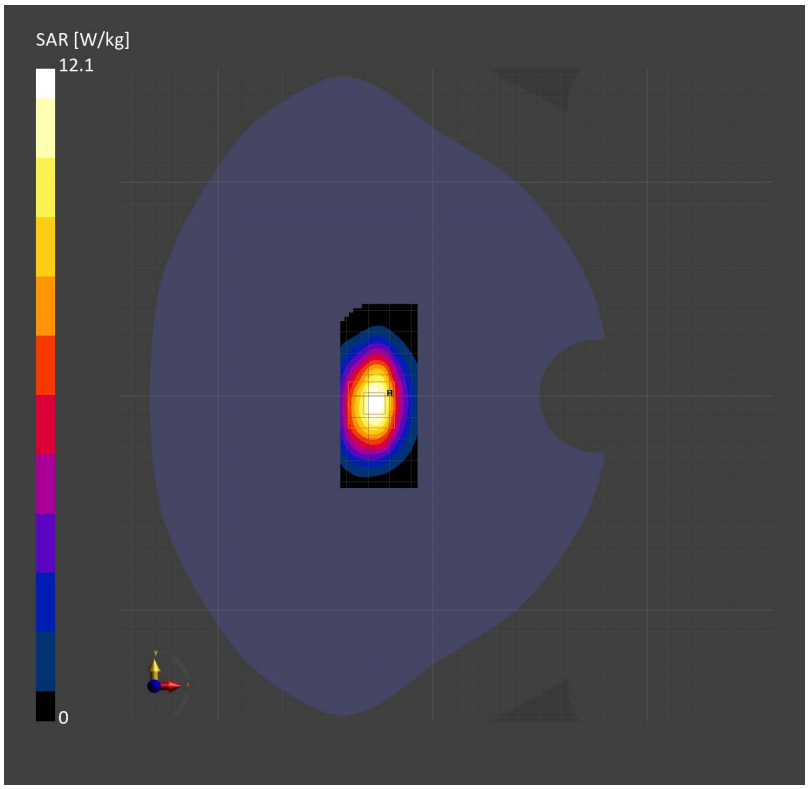
D1950V3-SN 1138

Communication System: ; Frequency: 1950.000
Medium: Head Simulating Liquid. Medium parameters used: f= 1950.000 MHz; σ= 1.39 S/m; ε_r = 39.5

DASY6 Configuration:
- Probe: EX3DV4 - SN7838; ConvF(7.77, 7.41, 7.63); Calibrated: 2024-11-20
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn896; Calibrated: 2024-03-18
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2031
- Measurement Software: cDASY6 V16.4.0.5005

Area Scan (40.0 mm x 90.0 mm): Measurement Grid: 10.0 mm x 15.0 mm
SAR (1g) = 10.8 W/kg; SAR (10g) = 5.58 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) = 10.8 W/kg; SAR (10g) = 5.64 W/kg;
M2/M1 [%]=84.5
Dist 3dB Peak [mm]=8.8



Date: 2024/12/5

Test Laboratory: SGS-SAR Lab

System Performance Check 2300MHz Head

DUT: D2300V2; Type: Dipole; Serial: 1072

Communication System: UID 0, CW (0); Frequency: 2300 MHz;Duty Cycle: 1:1

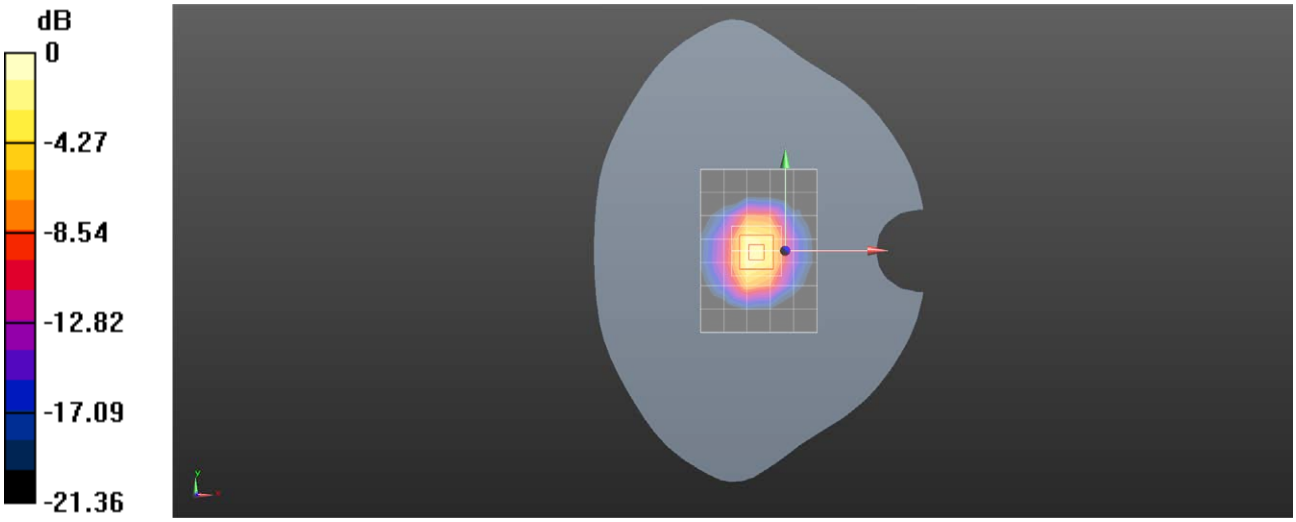
Medium: HSL2300;Medium parameters used: f = 2300 MHz; σ = 1.629 S/m; ε_r = 40.498; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3836; ConvF(7.6, 7.6, 7.6); Calibrated: 2024/9/19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn760; Calibrated: 2024/8/15
- Phantom: SAM5; Type: SAM Twin; Serial: 1673
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/d=10mm, Pin=250mW/Area Scan (6x8x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 14.3 W/kg

Configuration/d=10mm, Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 94.13 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 24.6 W/kg
SAR(1 g) = 12.8 W/kg; SAR(10 g) = 6.12 W/kg
Smallest distance from peaks to all points 3 dB below = 9.6 mm
Ratio of SAR at M2 to SAR at M1 = 51.7%
Maximum value of SAR (measured) = 20.6 W/kg



0 dB = 20.6 W/kg = 13.14 dBW/kg

Date: 2024/12/6

Test Laboratory: SGS-SAR Lab

System Performance Check 2450MHz Head

DUT: D2450V2; Type: Dipole; Serial: 733

Communication System: UID 0, CW; Frequency: 2450 MHz;Duty Cycle: 1:1

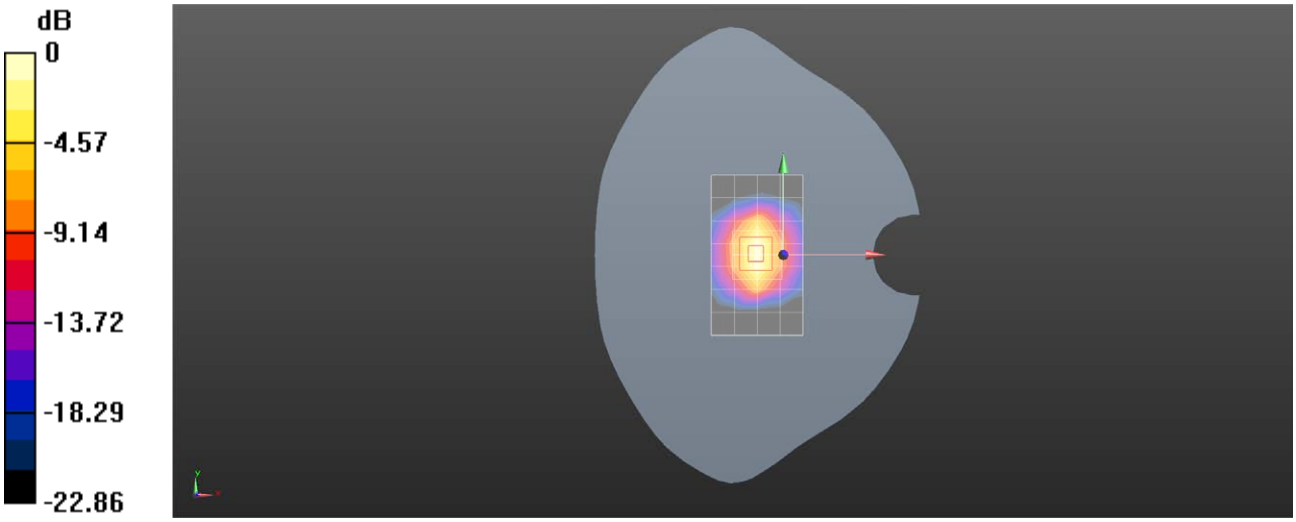
Medium: HSL2450;Medium parameters used: f = 2450 MHz; σ = 1.756 S/m; ε_r = 39.863; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3836; ConvF(7.35, 7.35, 7.35); Calibrated: 2024/9/19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn760; Calibrated: 2024/8/15
- Phantom: SAM5; Type: SAM Twin; Serial: 1673
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/d=10mm, Pin=250mW/Area Scan (5x8x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 19.9 W/kg

Configuration/d=10mm, Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 92.39 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 27.1 W/kg
SAR(1 g) = 13.1 W/kg; SAR(10 g) = 6.06 W/kg
Smallest distance from peaks to all points 3 dB below = 9.3 mm
Ratio of SAR at M2 to SAR at M1 = 48%
Maximum value of SAR (measured) = 21.9 W/kg



0 dB = 21.9 W/kg = 13.40 dBW/kg

Date: 2024/12/17

Test Laboratory: SGS-SAR Lab

System Performance Check 2600MHz Head

DUT: D2600V2; Type: Dipole; Serial: 1125

Communication System: UID 0, CW (0); Frequency: 2600 MHz;Duty Cycle: 1:1

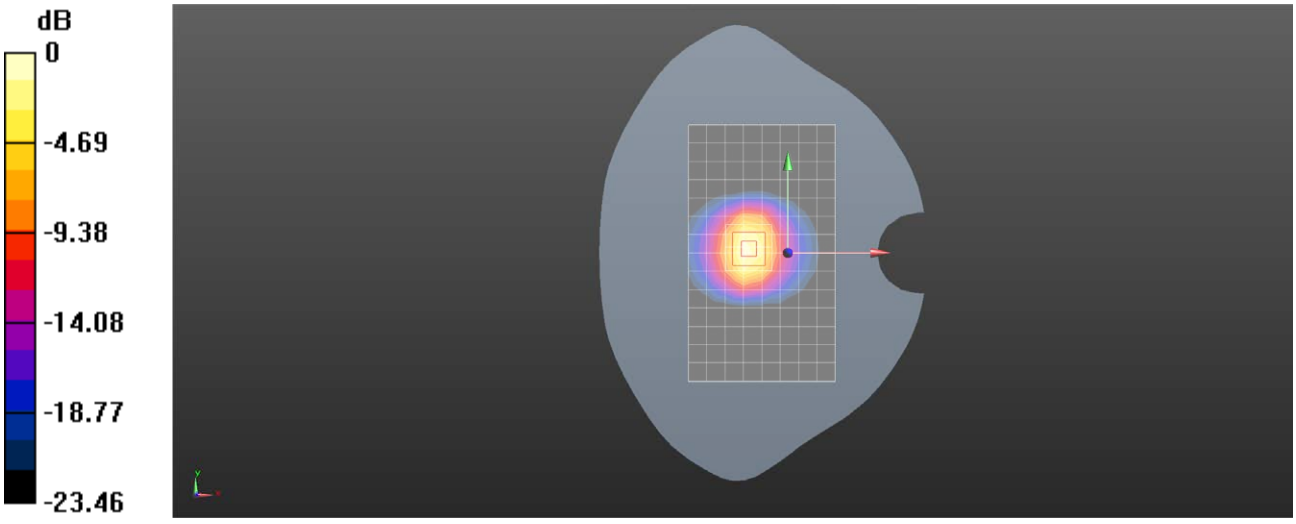
Medium: HSL2600;Medium parameters used: f = 2600 MHz; σ = 1.897 S/m; ε_r = 38.361; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3836; ConvF(7.18, 7.18, 7.18); Calibrated: 2024/9/19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn760; Calibrated: 2024/8/15
- Phantom: SAM5; Type: SAM Twin; Serial: 1673
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/d=10mm, Pin=250mW/Area Scan (9x15x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 21.7 W/kg

Configuration/d=10mm, Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 72.24 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 30.5 W/kg
SAR(1 g) = 14.4 W/kg; SAR(10 g) = 6.46 W/kg
Smallest distance from peaks to all points 3 dB below = 9.2 mm
Ratio of SAR at M2 to SAR at M1 = 46.9%
Maximum value of SAR (measured) = 24.5 W/kg



0 dB = 24.5 W/kg = 13.89 dBW/kg

Date: 2024/12/20

Test Laboratory: SGS-SAR Lab

System Performance Check 2600MHz Head

DUT: D2600V2; Type: Dipole; Serial: 1125

Communication System: UID 0, CW (0); Frequency: 2600 MHz;Duty Cycle: 1:1

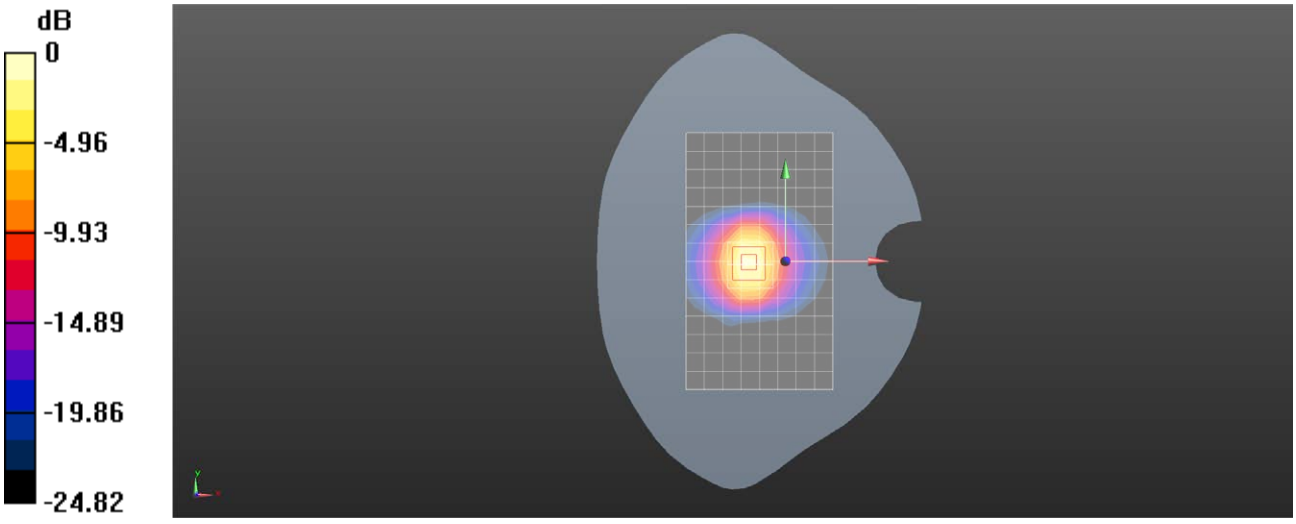
Medium: HSL2600;Medium parameters used: f = 2600 MHz; σ = 1.937 S/m; ε_r = 39.515; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3836; ConvF(7.18, 7.18, 7.18); Calibrated: 2024/9/19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn760; Calibrated: 2024/8/15
- Phantom: SAM5; Type: SAM Twin; Serial: 1673
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/d=10mm, Pin=250mW/Area Scan (9x15x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 18.8 W/kg

Configuration/d=10mm, Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 81.04 V/m; Power Drift = 0.17 dB
Peak SAR (extrapolated) = 29.9 W/kg
SAR(1 g) = 14.2 W/kg; SAR(10 g) = 6.41 W/kg
Smallest distance from peaks to all points 3 dB below = 9 mm
Ratio of SAR at M2 to SAR at M1 = 46.9%
Maximum value of SAR (measured) = 24.1 W/kg



0 dB = 24.1 W/kg = 13.82 dBW/kg

Date: 2024/12/22

Test Laboratory: SGS-SAR Lab

System Performance Check 2600MHz Head

DUT: D2600V2; Type: Dipole; Serial: 1125

Communication System: UID 0, CW (0); Frequency: 2600 MHz;Duty Cycle: 1:1

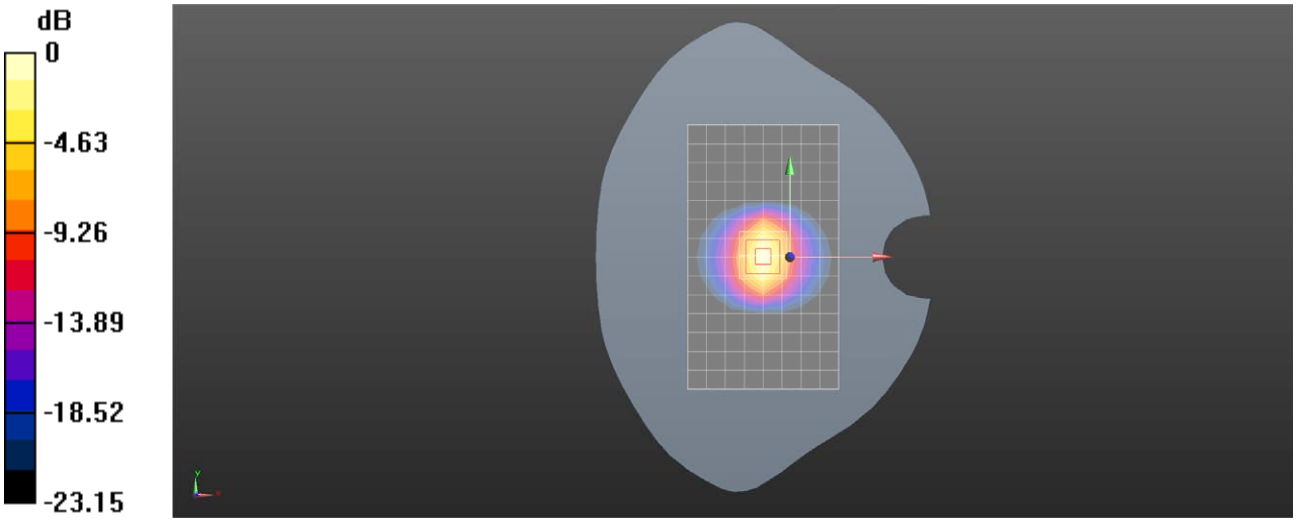
Medium: HSL2600;Medium parameters used: f = 2600 MHz; σ = 1.921 S/m; ε_r = 39.371; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3836; ConvF(7.18, 7.18, 7.18); Calibrated: 2024/9/19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn760; Calibrated: 2024/8/15
- Phantom: SAM5; Type: SAM Twin; Serial: 1673
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/d=10mm, Pin=250mW/Area Scan (9x15x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 23.1 W/kg

Configuration/d=10mm, Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 91.06 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 28.2 W/kg
SAR(1 g) = 13.6 W/kg; SAR(10 g) = 6.09 W/kg
Smallest distance from peaks to all points 3 dB below = 8.9 mm
Ratio of SAR at M2 to SAR at M1 = 48.5%
Maximum value of SAR (measured) = 22.9 W/kg



0 dB = 22.9 W/kg = 13.60 dBW/kg

Date: 2024/12/23

Test Laboratory: SGS-SAR Lab

System Performance Check 2600MHz Head

DUT: D2600V2; Type: Dipole; Serial: 1125

Communication System: UID 0, CW (0); Frequency: 2600 MHz;Duty Cycle: 1:1

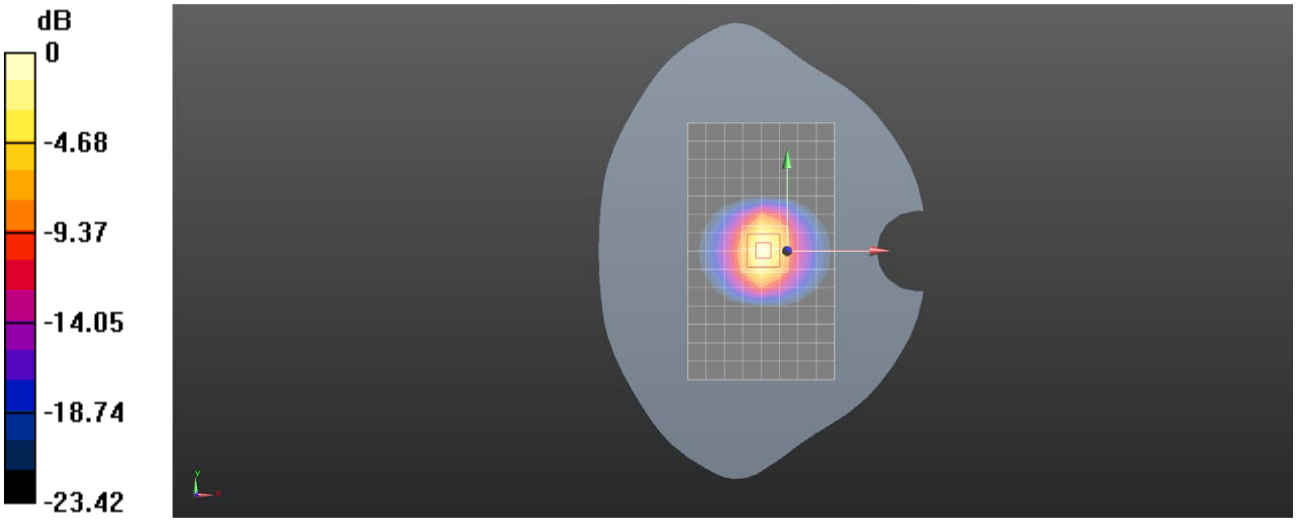
Medium: HSL2600;Medium parameters used: f = 2600 MHz; σ = 1.947 S/m; ε_r = 38.709; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3836; ConvF(7.18, 7.18, 7.18); Calibrated: 2024/9/19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn760; Calibrated: 2024/8/15
- Phantom: SAM5; Type: SAM Twin; Serial: 1673
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/d=10mm, Pin=250mW/Area Scan (9x15x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 22.4 W/kg

Configuration/d=10mm, Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 89.42 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 28.6 W/kg
SAR(1 g) = 13.7 W/kg; SAR(10 g) = 6.14 W/kg
Smallest distance from peaks to all points 3 dB below = 8.2 mm
Ratio of SAR at M2 to SAR at M1 = 48.3%
Maximum value of SAR (measured) = 23.2 W/kg



0 dB = 23.2 W/kg = 13.65 dBW/kg

SGS-SAR Lab Date: 2024-12-18

System Performance Check 3500MHz Head

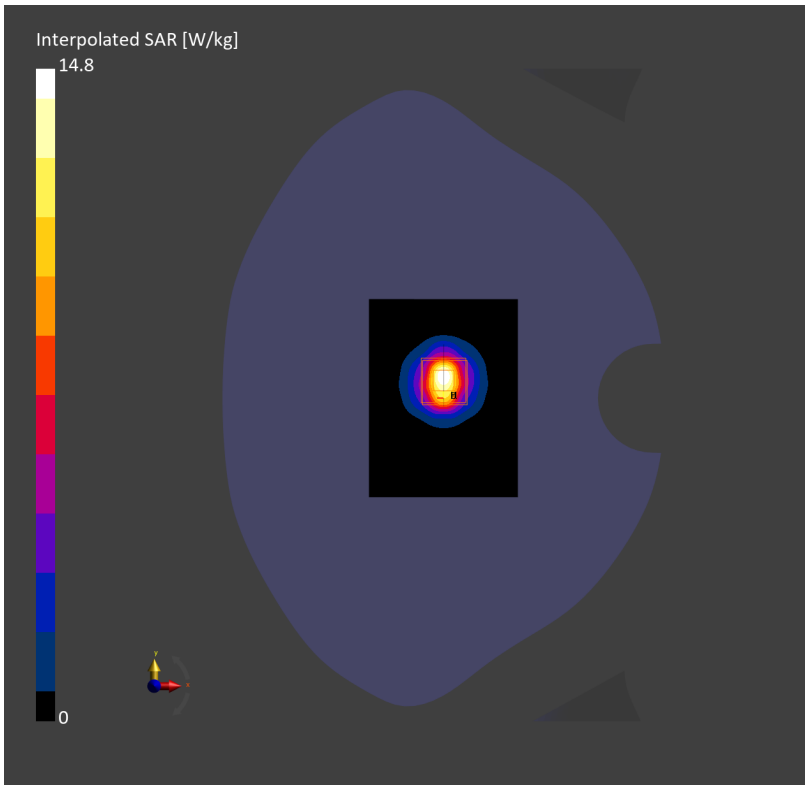
D3500V2-SN 1082

Communication System: D3500; Frequency: 3500.000
Medium: Head Simulating Liquid. Medium parameters used: f= 3500.000 MHz; σ= 2.79 S/m; ε_r = 37.3

DASY8 Configuration:
- Probe: EX3DV4 - SN7821; ConvF(6.7, 6.7, 6.7); Calibrated: 2024-08-29
- Sensor-Surface: 1.4 mm
- Electronics: DAE4ip Sn1830; Calibrated: 2024-10-18
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2146
- Measurement Software: cDASY8 V16.4.0.5005

Area Scan (60.0 mm x 96.0 mm): Measurement Grid: 12.0 mm x 12.0 mm
SAR (1g) = 5.61 W/kg; SAR (10g) = 2.35 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 5.0 mm
Power Drift = -0.04 dB
SAR (1g) = 6.45 W/kg; SAR (10g) = 2.62 W/kg;
M2/M1 [%]=42.3
Dist 3dB Peak [mm]=8.6



SGS-SAR Lab Date: 2024-12-24

System Performance Check 3500 MHz Head

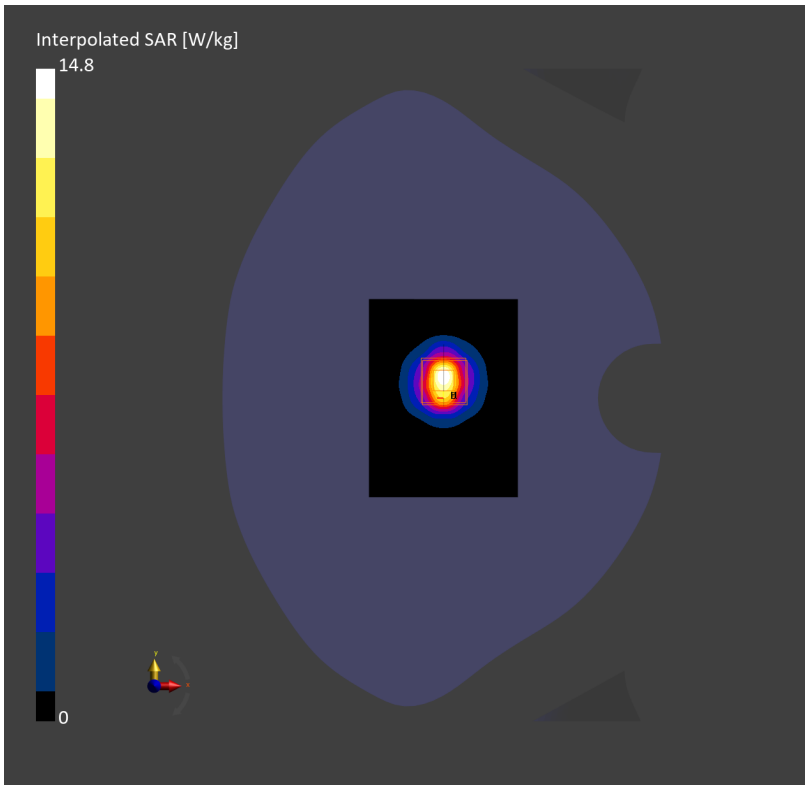
D3500V2-SN 1082

Communication System: D3500; Frequency: 3500.000
Medium: Head Simulating Liquid. Medium parameters used: f= 3500.000 MHz; σ= 2.81 S/m; ε_r = 37.4

DASY8 Configuration:
- Probe: EX3DV4 - SN7821; ConvF(6.7, 6.7, 6.7); Calibrated: 2024-08-29
- Sensor-Surface: 1.4 mm
- Electronics: DAE4ip Sn1830; Calibrated: 2024-10-18
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2146
- Measurement Software: cDASY8 V16.4.0.5005

Area Scan (72.0 mm x 96.0 mm): Measurement Grid: 12.0 mm x 12.0 mm
SAR (1g) = 5.99 W/kg; SAR (10g) = 2.30 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 5.0 mm
Power Drift = 0.04 dB
SAR (1g) = 6.37 W/kg; SAR (10g) = 2.52 W/kg;
M2/M1 [%]=41.2
Dist 3dB Peak [mm]=9.0



SGS-SAR Lab Date: 2024-12-19

System Performance Check 3700MHz Head

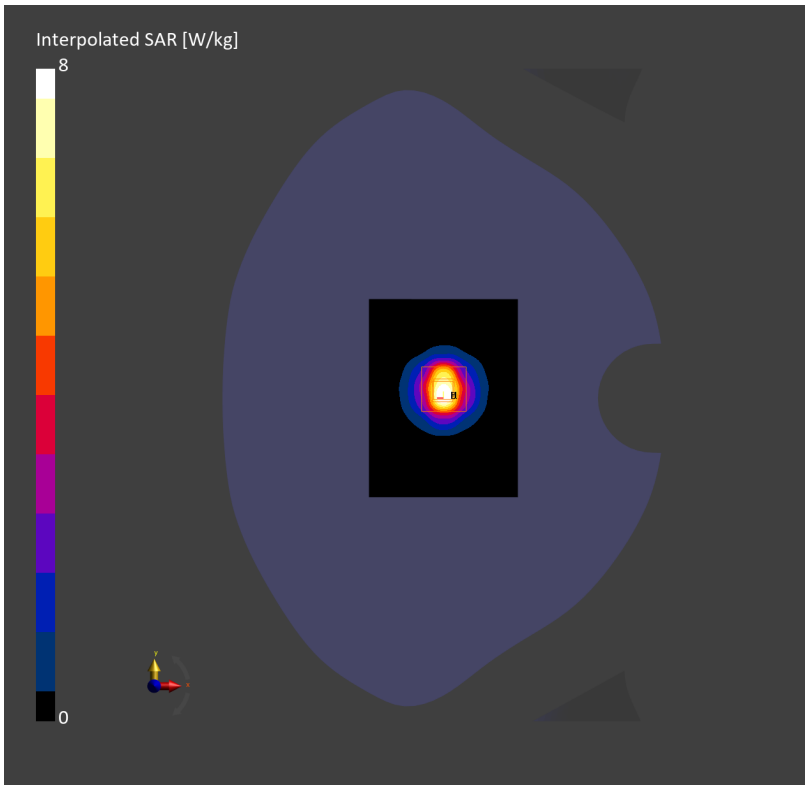
D3700V2-SN 1046

Communication System: D3700; Frequency: 3700.000
Medium: Head Simulating Liquid. Medium parameters used: f= 3700.000 MHz; σ= 2.98 S/m; ε_r = 36.6

DASY8 Configuration:
- Probe: EX3DV4 - SN7821; ConvF(6.48, 6.48, 6.48); Calibrated: 2024-08-29
- Sensor-Surface: 1.4 mm
- Electronics: DAE4ip Sn1830; Calibrated: 2024-10-18
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2146
- Measurement Software: cDASY8 V16.4.0.5005

Area Scan (60.0 mm x 96.0 mm): Measurement Grid: 12.0 mm x 12.0 mm
SAR (1g) = 6.04 W/kg; SAR (10g) = 2.26 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 5.0 mm
Power Drift = 0.00 dB
SAR (1g) = 6.27 W/kg; SAR (10g) = 2.45 W/kg;
M2/M1 [%]=40.7
Dist 3dB Peak [mm]=8.1



SGS-SAR Lab Date: 2024-12-25

System Performance Check 3700 MHz Head

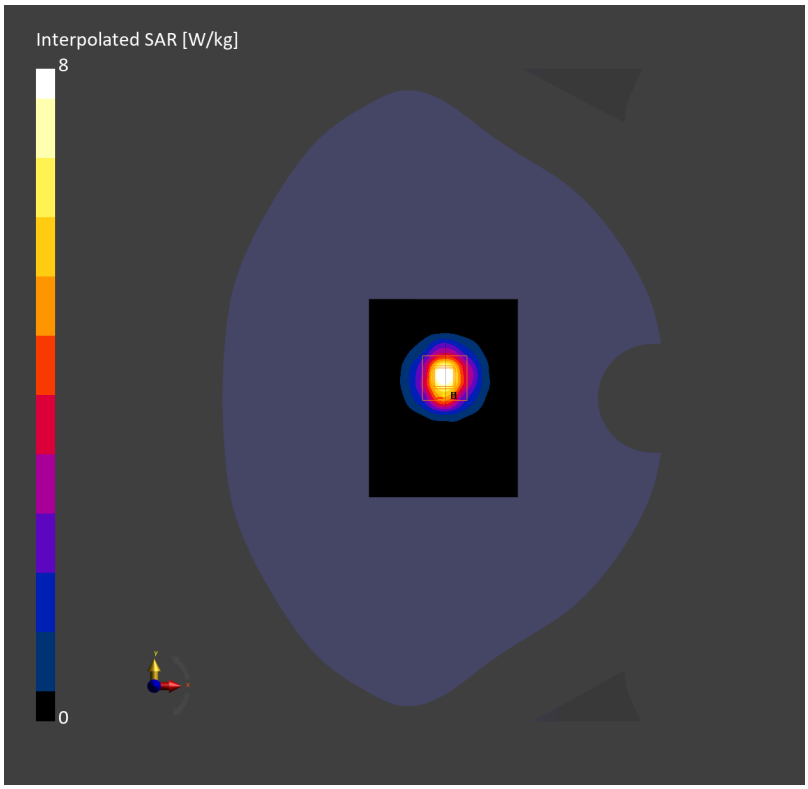
D3700V2-SN 1046

Communication System: D3700; Frequency: 3700.000
Medium: Head Simulating Liquid. Medium parameters used: f= 3700.000 MHz; σ= 2.99 S/m; ε_r = 36.6

DASY8 Configuration:
- Probe: EX3DV4 - SN7821; ConvF(6.48, 6.48, 6.48); Calibrated: 2024-08-29
- Sensor-Surface: 1.4 mm
- Electronics: DAE4ip Sn1830; Calibrated: 2024-10-18
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2146
- Measurement Software: cDASY8 V16.4.0.5005

Area Scan (72.0 mm x 96.0 mm): Measurement Grid: 12.0 mm x 12.0 mm
SAR (1g) = 6.06 W/kg; SAR (10g) = 2.25 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 5.0 mm
Power Drift = 0.08 dB
SAR (1g) = 6.15 W/kg; SAR (10g) = 2.35 W/kg;
M2/M1 [%]=39.8
Dist 3dB Peak [mm]=8.6



SGS-SAR Lab Date: 2024-12-26

System Performance Check 3900 MHz Head

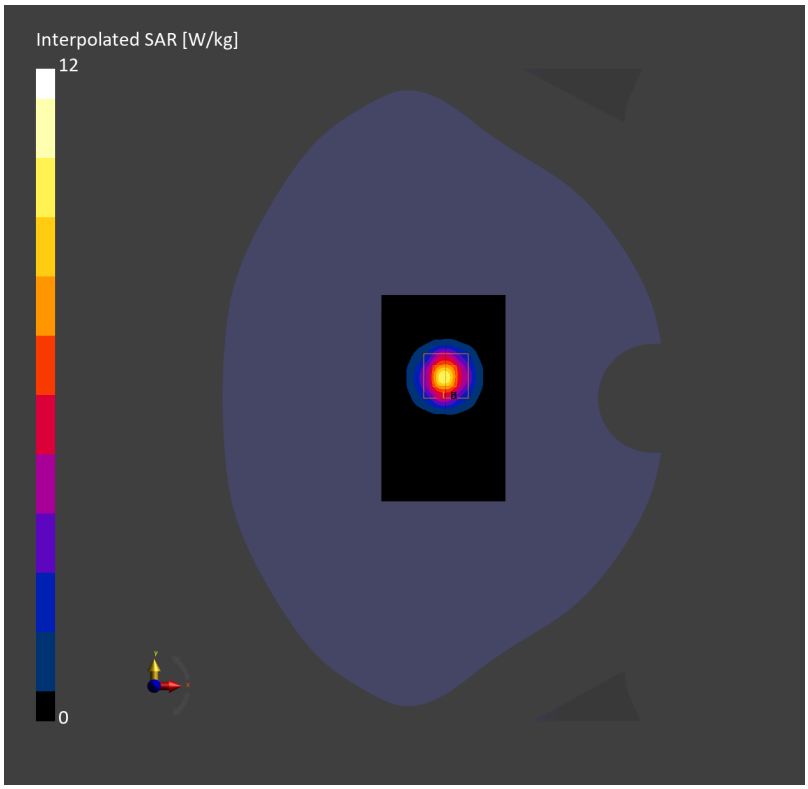
D3900V2-SN 1026

Communication System: D3900; Frequency: 3900.000
Medium: Head Simulating Liquid. Medium parameters used: f= 3900.000 MHz; σ= 3.20 S/m; ε_r = 35.9

DASY8 Configuration:
- Probe: EX3DV4 - SN7821; ConvF(6.4, 6.4, 6.4); Calibrated: 2024-08-29
- Sensor-Surface: 1.4 mm
- Electronics: DAE4ip Sn1830; Calibrated: 2024-10-18
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2146
- Measurement Software: cDASY8 V16.4.0.5005

Area Scan (60.0 mm x 100.0 mm): Measurement Grid: 10.0 mm x 10.0 mm
SAR (1g) = 6.72 W/kg; SAR (10g) = 2.38 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 5.0 mm
Power Drift = 0.13 dB
SAR (1g) = 6.79 W/kg; SAR (10g) = 2.49 W/kg;
M2/M1 [%]=37.9
Dist 3dB Peak [mm]=8.5



SGS-SAR Lab Date: 2024-11-26

System Performance Check 5250 MHz Head

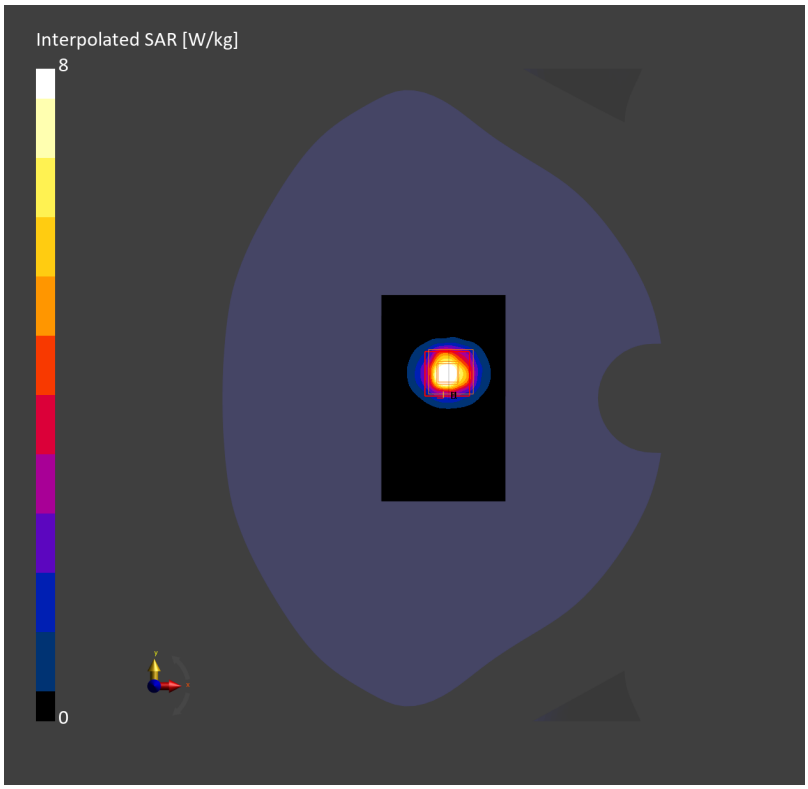
D5GHzV2-SN 1165

Communication System: D5GHz; Frequency: 5250.000
Medium: Head Simulating Liquid. Medium parameters used: f= 5250.000 MHz; σ= 4.76 S/m; ε_r = 36.2

DASY8 Configuration:
- Probe: EX3DV4 - SN7821; ConvF(5.21, 5.21, 5.21); Calibrated: 2024-08-29
- Sensor-Surface: 1.4 mm
- Electronics: DAE4ip Sn1830; Calibrated: 2024-10-18
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2146
- Measurement Software: cDASY8 V16.4.0.5005

Area Scan (60.0 mm x 100.0 mm): Measurement Grid: 10.0 mm x 10.0 mm
SAR (1g) = 6.71 W/kg; SAR (10g) = 2.01 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 = -0.16 dB
SAR (1g) = 7.24 W/kg; SAR (10g) = 2.11 W/kg;
M2/M1 [%]=52.8
Dist 3dB Peak [mm]=7.4



SGS-SAR Lab Date: 2024-11-27

System Performance Check 5600 MHz Head

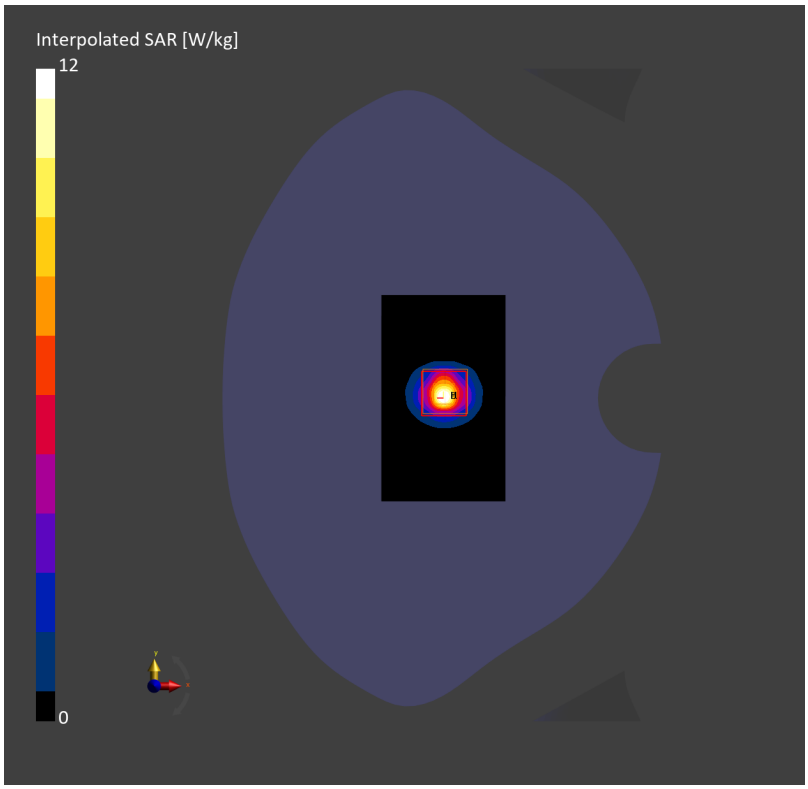
D5GHzV2-SN 1165

Communication System: D5GHz; Frequency: 5600.000
Medium: Head Simulating Liquid. Medium parameters used: f= 5600.000 MHz; σ= 5.14 S/m; ε_r = 35.3

DASY8 Configuration:
- Probe: EX3DV4 - SN7821; ConvF(4.6, 4.6, 4.6); Calibrated: 2024-08-29
- Sensor-Surface: 1.4 mm
- Electronics: DAE4ip Sn1830; Calibrated: 2024-10-18
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2146
- Measurement Software: cDASY8 V16.4.0.5005

Area Scan (60.0 mm x 100.0 mm): Measurement Grid: 10.0 mm x 10.0 mm
SAR (1g) = 8.04 W/kg; SAR (10g) = 2.31 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 = -0.14 dB
SAR (1g) = 8.60 W/kg; SAR (10g) = 2.48 W/kg;
M2/M1 [%]=51.5
Dist 3dB Peak [mm]=7.2



SGS-SAR Lab Date: 2024-11-28

System Performance Check 5750 MHz Head

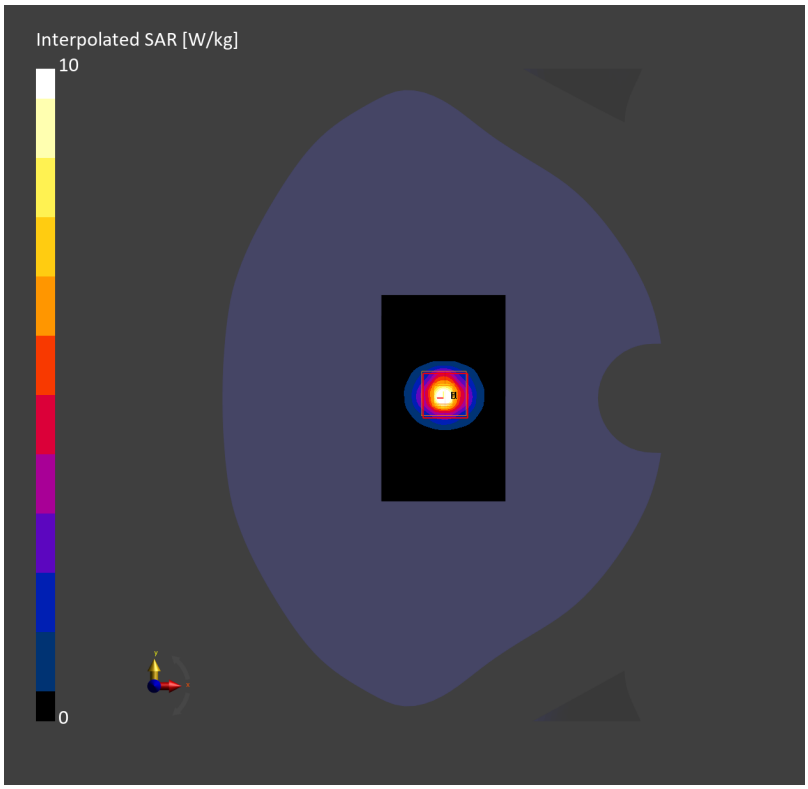
D5GHzV2-SN 1165

Communication System: D5GHz; Frequency: 5750.000
Medium: Head Simulating Liquid. Medium parameters used: f= 5750.000 MHz; σ= 5.34 S/m; ε_r = 35.1

DASY8 Configuration:
- Probe: EX3DV4 - SN7821; ConvF(4.73, 4.73, 4.73); Calibrated: 2024-08-29
- Sensor-Surface: 1.4 mm
- Electronics: DAE4ip Sn1830; Calibrated: 2024-10-18
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2146
- Measurement Software: cDASY8 V16.4.0.5005

Area Scan (60.0 mm x 100.0 mm): Measurement Grid: 10.0 mm x 10.0 mm
SAR (1g) = 7.32 W/kg; SAR (10g) = 2.08 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 = -0.13 dB
SAR (1g) = 7.67 W/kg; SAR (10g) = 2.25 W/kg;
M2/M1 [%]=50.1
Dist 3dB Peak [mm]=7.2



SGS-SAR Lab Date: 2024-12-04

System Performance Check 6.5GHz Head

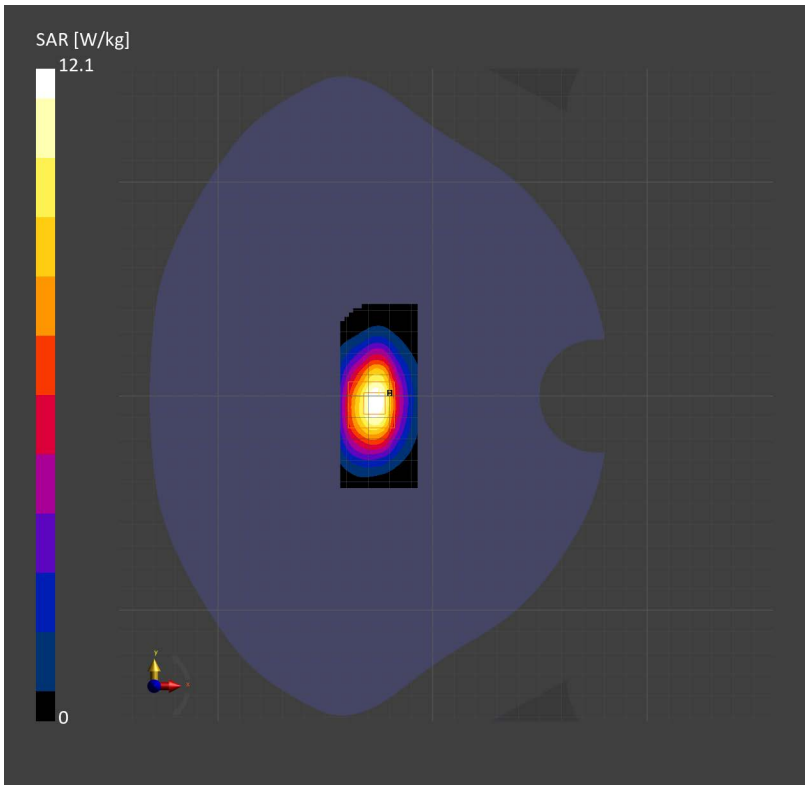
D6.5GHzV2-SN 1102

Communication System: ; Frequency: 6500.000
Medium: Head Simulating Liquid. Medium parameters used: f= 6500.000 MHz; σ= 6.32 S/m; ε_r = 34.4

DASY6 Configuration:
- Probe: EX3DV4 - SN7838; ConvF(5.2, 4.96, 5.11); Calibrated: 2024-11-20
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn896; Calibrated: 2024-03-18
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2031
- Measurement Software: cDASY6 V16.4.0.5005

Area Scan (40.0 mm x 80.0 mm): Measurement Grid: 10.0 mm x 10.0 mm
SAR (1g) = 27.7 W/kg; SAR (10g) = 5.17 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 = 0.15 dB
SAR (1g) = 30.7 W/kg; SAR (10g) = 5.82 W/kg;
M2/M1 [%]=54.4
Dist 3dB Peak [mm]=4.4



Test Laboratory:SGS-SAR Lab
System Performance Check 10GHz Power Density

Device Under Test Properties

Model, Manufacturer	Dimensions [mm]	SN	DUT Type
10G Sourse,	100.0 x 100.0 x 100.0	2004	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 - SN9533_F1-55GHz, 2024-08-23	DAE4 Sn896, 2024-03-18

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	2024-12-11
Avg. Area [cm^2]	4.00
psPDn+ [W/m^2]	196
psPDtot+ [W/m^2]	197
psPDmod+ [W/m^2]	202
E_{max} [V/m]	312
Power Drift [dB]	0.04