LTE Band12 Head

Date/Time: 1/28/2023

Electronics: DAE4 Sn777

Medium: H700-6000M

Medium parameters used (interpolated): f = 707.5 MHz; σ = 0.89 S/m; $ε_r$ = 44.117; ρ = 1000 kg/m^3
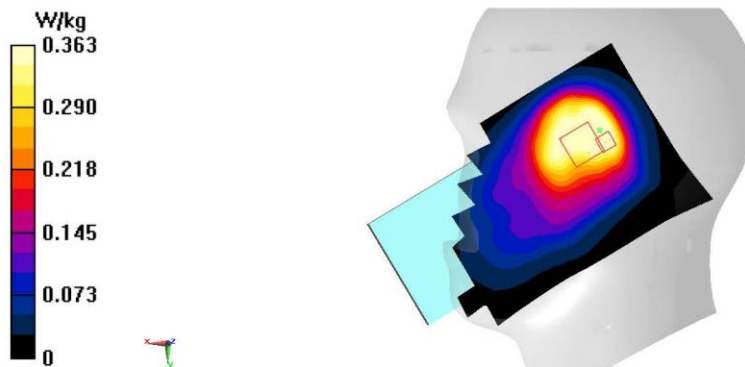
Ambient Temperature:23.3^{o}C   Liquid Temperature: 22.5^{o}C

Communication System: UID 0, LTE Band12 (0) Frequency: 707.5 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7673 ConvF(10.34, 10.34, 10.34); Calibrated: 7/8/2022

Area Scan (81x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.435 W/kg

Zoom Scan (6x7x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 23.24 V/m; Power Drift = -0.17 dB
Peak SAR (extrapolated) = 0.453 W/kg
SAR(1 g) = 0.255 W/kg; SAR(10 g) = 0.174 W/kg
Maximum value of SAR (measured) = 0.363 W/kg

LTE Band12 Body

Date/Time: 1/28/2023

Electronics: DAE4 Sn777

Medium: H700-6000M

Medium parameters used (interpolated): f = 707.5 MHz; σ = 0.89 S/m; ε_r = 44.117; ρ = 1000 kg/m^3
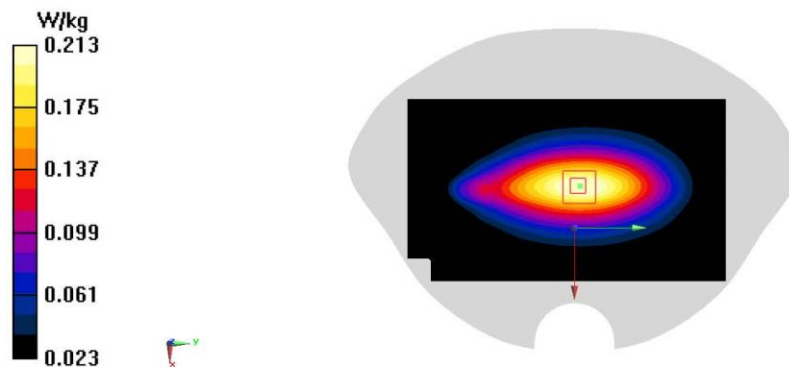
Ambient Temperature:23.3^{o}C   Liquid Temperature: 22.5^{o}C

Communication System: UID 0, LTE Band12 (0) Frequency: 707.5 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7673 ConvF(10.34, 10.34, 10.34); Calibrated: 7/8/2022

Area Scan (81x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.218 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.83 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.246 W/kg
SAR(1 g) = 0.162 W/kg; SAR(10 g) = 0.111 W/kg
Maximum value of SAR (measured) = 0.213 W/kg

LTE Band13 Head

Date/Time: 1/28/2023

Electronics: DAE4 Sn777

Medium: H700-6000M

Medium parameters used (interpolated): f = 782 MHz; σ = 0.918 S/m; ε_r = 43.883; ρ = 1000 kg/m^3
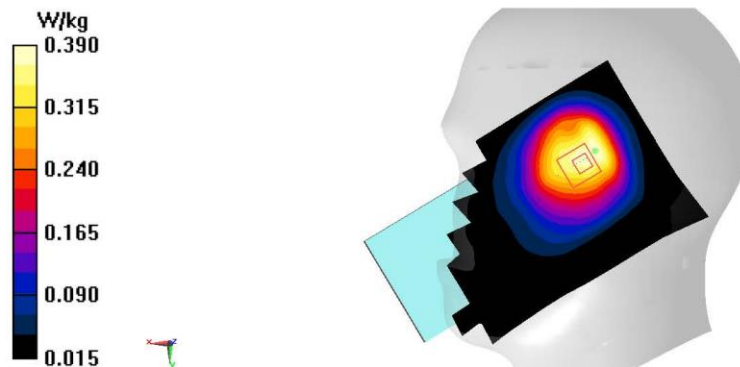
Ambient Temperature:23.3^{o}C   Liquid Temperature: 22.5^{o}C

Communication System: UID 0, LTE Band13 (0) Frequency: 782 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7673 ConvF(10.34, 10.34, 10.34); Calibrated: 7/8/2022

Area Scan (81x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.384 W/kg

Zoom Scan (5x7x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 20.36 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 0.484 W/kg
SAR(1 g) = 0.300 W/kg; SAR(10 g) = 0.209 W/kg
Maximum value of SAR (measured) = 0.390 W/kg

LTE Band13 Body

Date/Time: 1/28/2023

Electronics: DAE4 Sn777

Medium: H700-6000M

Medium parameters used (interpolated): f = 782 MHz; σ = 0.918 S/m; ε_r = 43.883; ρ = 1000 kg/m^3
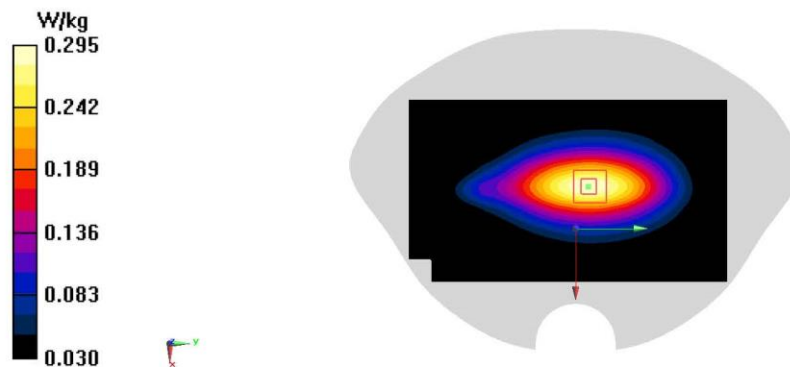
Ambient Temperature:23.3^{o}C   Liquid Temperature: 22.5^{o}C

Communication System: UID 0, LTE Band13 (0) Frequency: 782 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7673 ConvF(10.34, 10.34, 10.34); Calibrated: 7/8/2022

Area Scan (81x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.293 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.95 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.339 W/kg
SAR(1 g) = 0.221 W/kg; SAR(10 g) = 0.150 W/kg
Maximum value of SAR (measured) = 0.295 W/kg

LTE Band38 Head

Date/Time: 2/2/2023

Electronics: DAE4 Sn777

Medium: H700-6000M

Medium parameters used: f = 2580 MHz; σ = 1.953 S/m; $ε_r$ = 40.535; ρ = 1000 kg/m^3

Ambient Temperature:23.3^{o}C   Liquid Temperature: 22.5^{o}C

Communication System: UID 0, LTE Band38 20M (0) Frequency: 2580 MHz Duty Cycle: 1:1.5787

Probe: EX3DV4 - SN7673 ConvF(7.31, 7.31, 7.31); Calibrated: 7/8/2022

Area Scan (101x171x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.147 W/kg

Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 0 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.205 W/kg
SAR(1 g) = 0.107 W/kg; SAR(10 g) = 0.056 W/kg
Maximum value of SAR (measured) = 0.168 W/kg

LTE Band38 Body

Date/Time: 2/2/2023

Electronics: DAE4 Sn777

Medium: H700-6000M

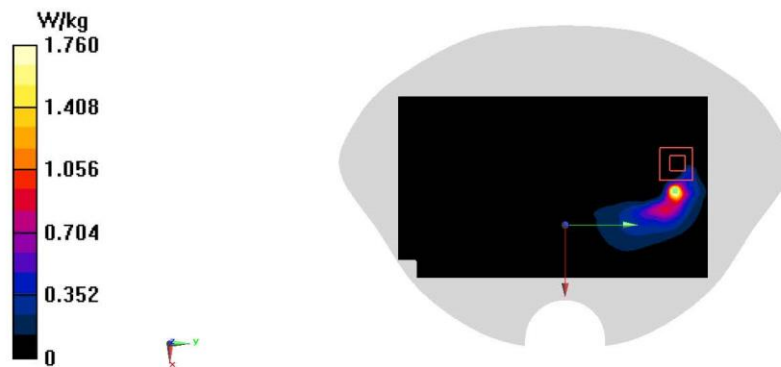Medium parameters used: f = 2580 MHz; σ = 1.953 S/m; ε_r = 40.535; ρ = 1000 kg/m^3

Ambient Temperature:23.3^{o}C   Liquid Temperature: 22.5^{o}C

Communication System: UID 0, LTE Band38 20M (0) Frequency: 2580 MHz Duty Cycle: 1:1.5787

Probe: EX3DV4 - SN7673 ConvF(7.31, 7.31, 7.31); Calibrated: 7/8/2022

Area Scan (101x171x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 1.97 W/kg

Zoom Scan (10x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 5.155 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 2.24 W/kg
SAR(1 g) = 1.02 W/kg; SAR(10 g) = 0.444 W/kg
Maximum value of SAR (measured) = 1.76 W/kg

LTE Band66 Head

Date/Time: 1/30/2023

Electronics: DAE4 Sn777

Medium: H700-6000M

Medium parameters used: f = 1745 MHz; σ = 1.376 S/m; ε_r = 41.887; ρ = 1000 kg/m^3
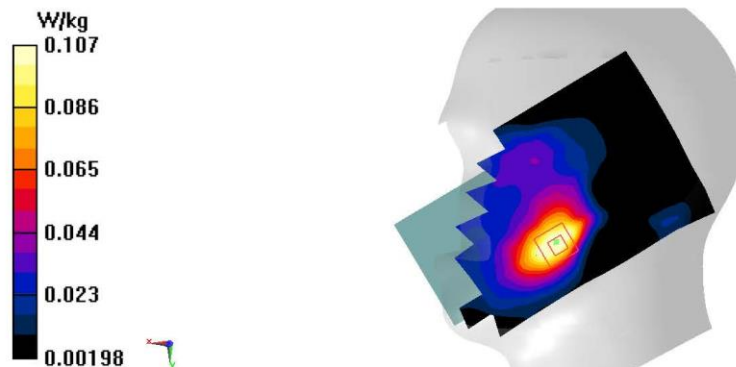
Ambient Temperature:23.3^{o}C   Liquid Temperature: 22.5^{o}C

Communication System: UID 0, LTE Band66 (0) Frequency: 1745 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7673 ConvF(8.49, 8.49, 8.49); Calibrated: 7/8/2022

Area Scan (81x141x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.119 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.700 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.125 W/kg
SAR(1 g) = 0.081 W/kg; SAR(10 g) = 0.052 W/kg
Maximum value of SAR (measured) = 0.107 W/kg

LTE Band66 Body

Date/Time: 2/2/2023

Electronics: DAE4 Sn777

Medium: H700-6000M

Medium parameters used: f = 1770 MHz; σ = 1.393 S/m; ε_r = 41.853; ρ = 1000 kg/m^3
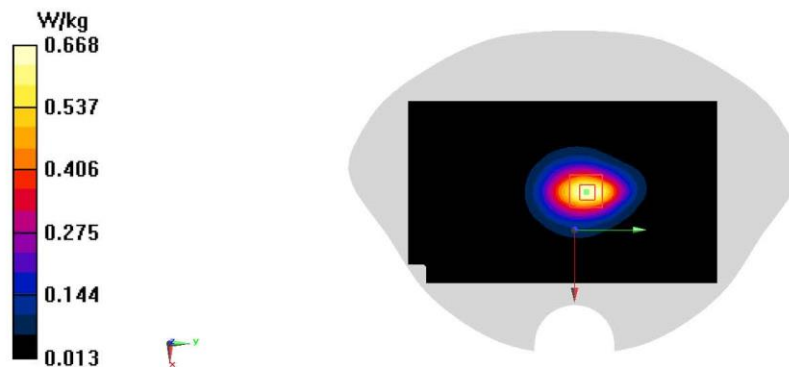
Ambient Temperature:23.3^{o}C   Liquid Temperature: 22.5^{o}C

Communication System: UID 0, LTE Band66 (0) Frequency: 1770 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7673 ConvF(8.49, 8.49, 8.49); Calibrated: 7/8/2022

Area Scan (101x171x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.683 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 21.41 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.790 W/kg
SAR(1 g) = 0.454 W/kg; SAR(10 g) = 0.253 W/kg
Maximum value of SAR (measured) = 0.668 W/kg

WIFI 2.4G Head

Date/Time: 2/1/2023

Electronics: DAE4 Sn777

Medium: H700-6000M

Medium parameters used (interpolated): f = 2437 MHz; σ = 1.842 S/m; ε_r = 40.748; ρ = 1000 kg/m^3
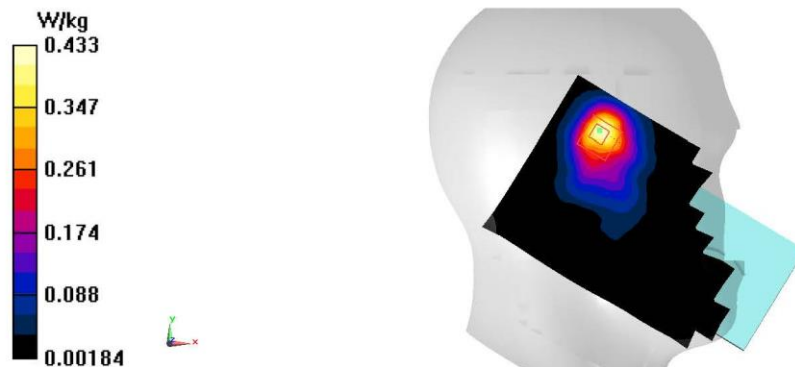
Ambient Temperature:23.3^{o}C   Liquid Temperature: 22.5^{o}C

Communication System: UID 0, WLan 2450 (0) Frequency: 2437 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7673 ConvF(7.57, 7.57, 7.57); Calibrated: 7/8/2022

Area Scan (101x171x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.428 W/kg

Zoom Scan (8x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 6.824 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.527 W/kg
SAR(1 g) = 0.274 W/kg; SAR(10 g) = 0.140 W/kg
Maximum value of SAR (measured) = 0.433 W/kg

WIFI 2.4G Body

Date/Time: 2/1/2023

Electronics: DAE4 Sn777

Medium: H700-6000M

Medium parameters used (interpolated): f = 2437 MHz; σ = 1.842 S/m; ε_r = 40.748; ρ = 1000 kg/m^3
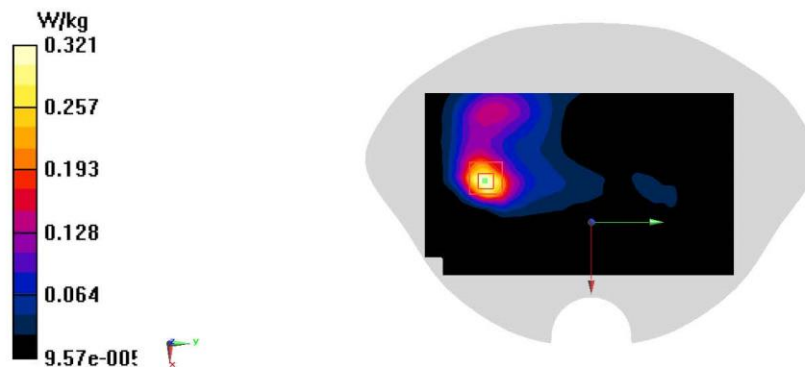
Ambient Temperature:23.3^{o}C   Liquid Temperature: 22.5^{o}C

Communication System: UID 0, WLan 2450 (0) Frequency: 2437 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7673 ConvF(7.57, 7.57, 7.57); Calibrated: 7/8/2022

Area Scan (101x171x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.340 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.883 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 0.416 W/kg
SAR(1 g) = 0.195 W/kg; SAR(10 g) = 0.094 W/kg
Maximum value of SAR (measured) = 0.321 W/kg

WIFI5G Head

Date/Time: 2/5/2023

Electronics: DAE4 Sn777

Medium: H700-6000M

Medium parameters used: f = 5785 MHz; σ = 5.093 S/m; ε_r = 35.276; ρ = 1000 kg/m^3
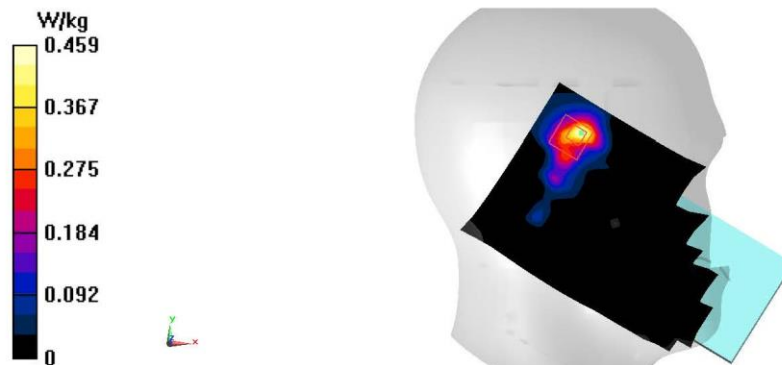
Ambient Temperature:23.3°C   Liquid Temperature: 22.5°C

Communication System: UID 0, WLan 11a (0) Frequency: 5785 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7673 ConvF(4.7, 4.7, 4.7); Calibrated: 7/8/2022

Area Scan (121x211x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.473 W/kg

Zoom Scan (9x9x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 5.717 V/m; Power Drift = -0.16 dB
Peak SAR (extrapolated) = 0.801 W/kg
SAR(1 g) = 0.158 W/kg; SAR(10 g) = 0.050 W/kg
Maximum value of SAR (measured) = 0.459 W/kg

WIFI5G Body

Date/Time: 2/5/2023

Electronics: DAE4 Sn777

Medium: H700-6000M

Medium parameters used: f = 5785 MHz; σ = 5.093 S/m; ε_r = 35.276; ρ = 1000 kg/m^3
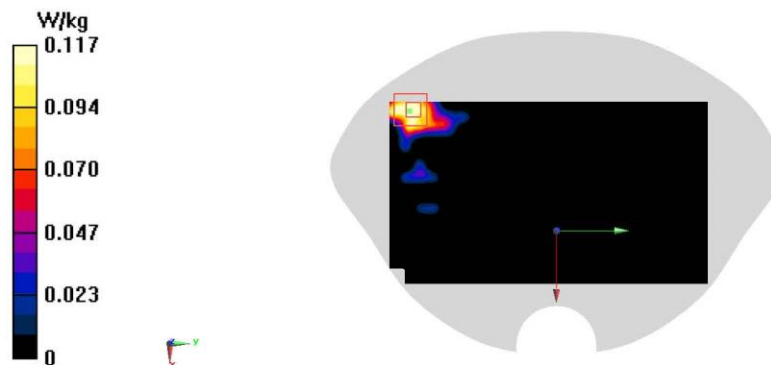
Ambient Temperature:23.3^{o}C   Liquid Temperature: 22.5^{o}C

Communication System: UID 0, WLan 11a (0) Frequency: 5785 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7673 ConvF(4.7, 4.7, 4.7); Calibrated: 7/8/2022

Area Scan (121x211x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.136 W/kg

Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 0 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.490 W/kg
SAR(1 g) = 0.038 W/kg; SAR(10 g) = 0.014 W/kg
Maximum value of SAR (measured) = 0.117 W/kg

BT Head

Date/Time: 2/1/2023

Electronics: DAE4 Sn777

Medium: H700-6000M

Medium parameters used: f = 2480 MHz; σ = 1.875 S/m; ε_r = 40.682; ρ = 1000 kg/m^3
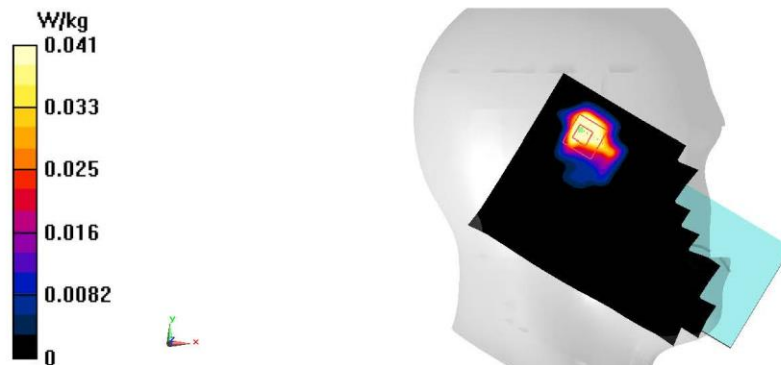
Ambient Temperature:23.3^{o}C   Liquid Temperature: 22.5^{o}C

Communication System: UID 0, Bluetooth2 (0) Frequency: 2480 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7673 ConvF(7.57, 7.57, 7.57); Calibrated: 7/8/2022

Area Scan (101x171x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.0666 W/kg

Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.653 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.0540 W/kg
SAR(1 g) = 0.026 W/kg; SAR(10 g) = 0.013 W/kg
Maximum value of SAR (measured) = 0.0410 W/kg

BT Body

Date/Time: 2/1/2023

Electronics: DAE4 Sn777

Medium: H700-6000M

Medium parameters used: f = 2480 MHz; σ = 1.875 S/m; ε_r = 40.682; ρ = 1000 kg/m^3
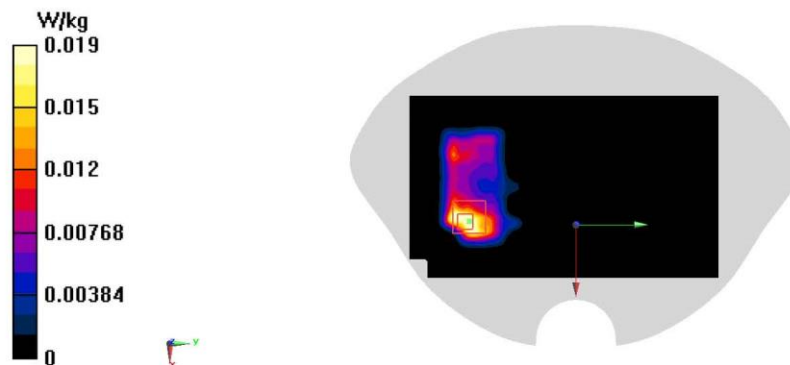
Ambient Temperature:23.3^{o}C   Liquid Temperature: 22.5^{o}C

Communication System: UID 0, Bluetooth2 (0) Frequency: 2480 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7673 ConvF(7.57, 7.57, 7.57); Calibrated: 7/8/2022

Area Scan (101x171x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.0220 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 0.7210 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 0.0660 W/kg
SAR(1 g) = 0.011 W/kg; SAR(10 g) = 0.00471 W/kg
Maximum value of SAR (measured) = 0.0192 W/kg

ANNEX B   System Verification Results

750 MHz

Date/Time: 1/28/2023

Electronics: DAE4 Sn777

Medium: H700-6000M

Medium parameters used: f = 750 MHz; σ = 0.906 S/m; ε_r = 43.98; ρ = 1000 kg/m³

Ambient Temperature:23.3℃   Liquid Temperature: 22.5℃

Communication System: CW (0) Frequency: 750 MHz Duty Cycle: 1:1

Probe: EX3DV4 – SN7673 ConvF(10.34, 10.34, 10.34); Calibrated: 7/8/2022

Area Scan (131x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 2.73 W/kg

Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
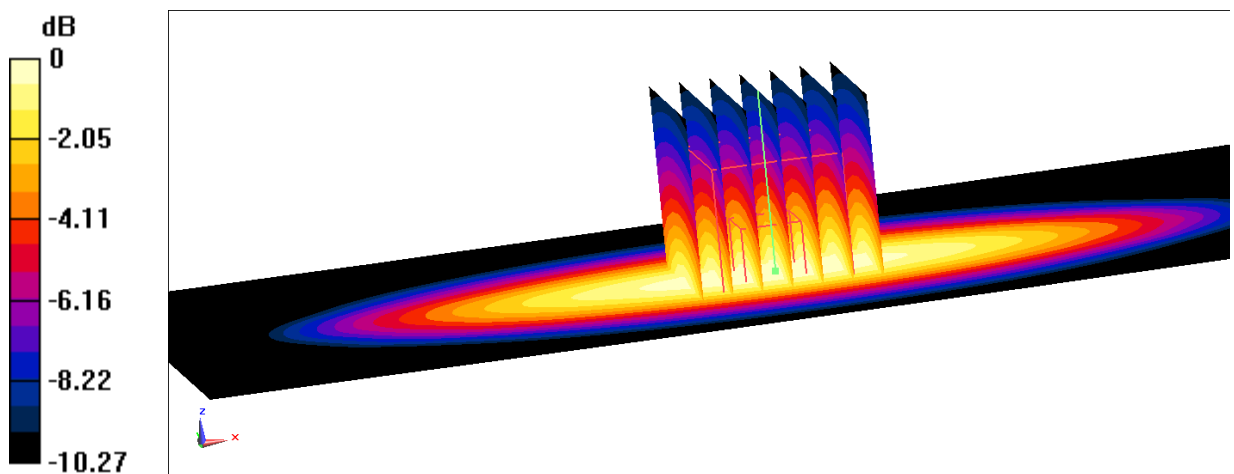
Reference Value = 53.83 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 3.11 W/kg

SAR(1 g) = 2.08 W/kg; SAR(10 g) = 1.37 W/kg

Maximum value of SAR (measured) = 2.77 W/kg

0 dB = 2.77 W/kg = 4.42 dBW/kg

835 MHz

Date/Time: 1/29/2023

Electronics: DAE4 Sn777

Medium: H700-6000M

Medium parameters used: f = 835 MHz; σ = 0.938 S/m; ε_r = 43.43; ρ = 1000 kg/m³

Ambient Temperature:23.3℃   Liquid Temperature: 22.5℃

Communication System: CW (0) Frequency: 835 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7673 ConvF(10.34, 10.34, 10.34); Calibrated: 7/8/2022

Area Scan (131x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
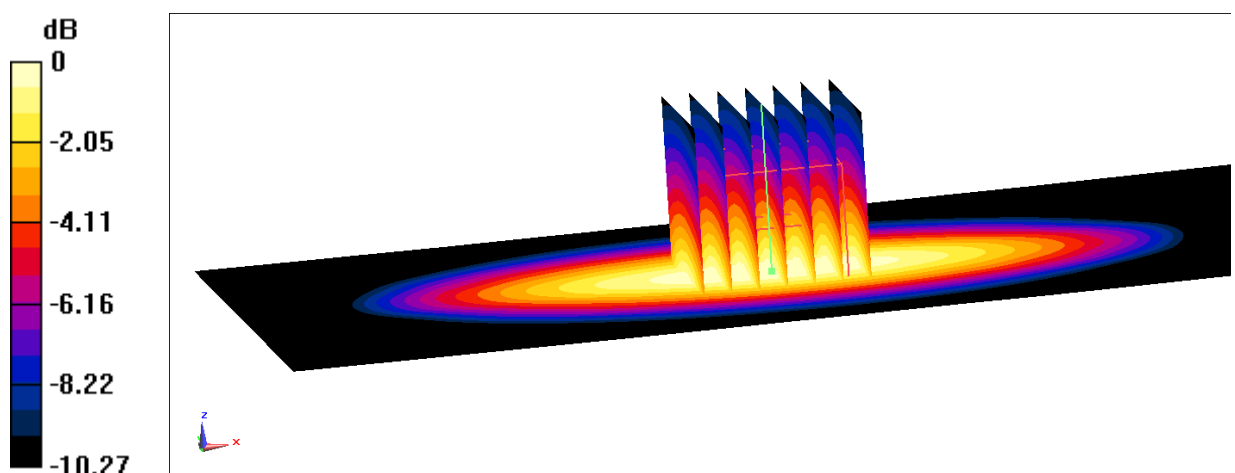
Maximum value of SAR (interpolated) = 3.21 W/kg

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

Reference Value = 58.45 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 3.64 W/kg

SAR(1 g) = 2.37 W/kg; SAR(10 g) = 1.57 W/kg

Maximum value of SAR (measured) = 3.20 W/kg

0 dB = 3.20 W/kg = 5.05 dBW/kg

1750 MHz

Date/Time: 1/30/2023

Electronics: DAE4 Sn777

Medium: H700-6000M

Medium parameters used: f = 1750 MHz; σ = 1.38 S/m; ε_r = 41.88; ρ = 1000 kg/m^3

Ambient Temperature:23.3℃   Liquid Temperature: 22.5℃

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

Probe: EX3DV4 - SN7673 ConvF(8.49, 8.49, 8.49); Calibrated: 7/8/2022

Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 13.9 W/kg

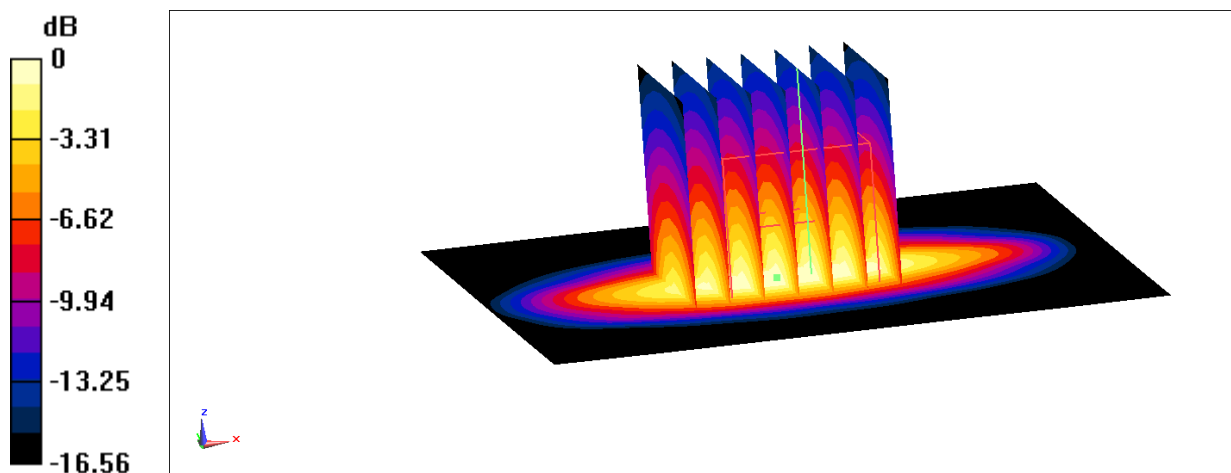**Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 95.69 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 16.4 W/kg

SAR(1 g) = 9.07 W/kg; SAR(10 g) = 4.85 W/kg

Maximum value of SAR (measured) = 13.8 W/kg

0 dB = 13.8 W/kg = 11.40 dBW/kg

1900 MHz

Date/Time: 1/31/2023

Electronics: DAE4 Sn777

Medium: H700-6000M

Medium parameters used: f = 1900 MHz; σ = 1.461 S/m; ε_r = 41.63; ρ = 1000 kg/m³

Ambient Temperature:23.3℃   Liquid Temperature: 22.5℃

Communication System: CW (0) Frequency: 1900 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7673 ConvF(8.07, 8.07, 8.07); Calibrated: 7/8/2022

Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
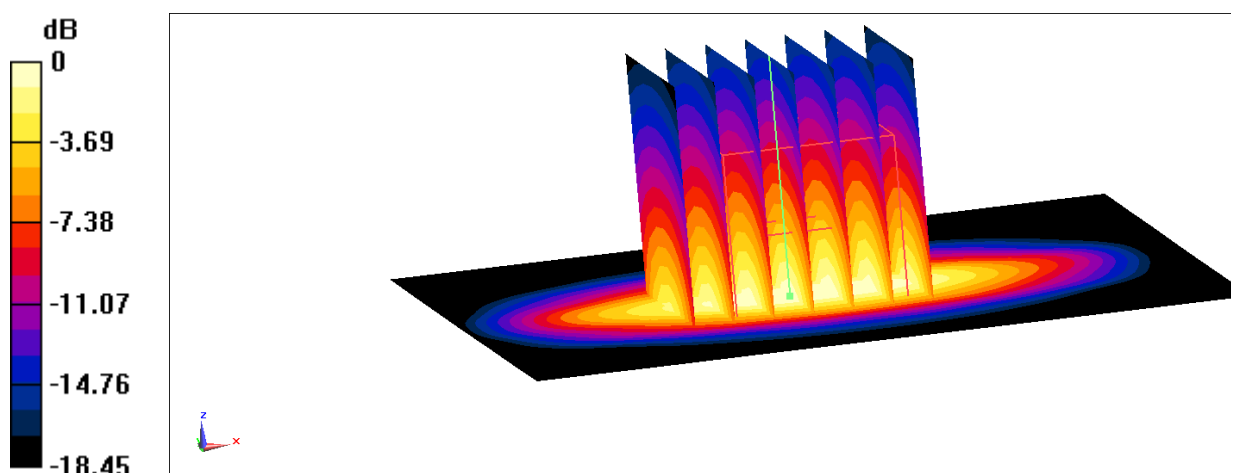
Maximum value of SAR (interpolated) = 15.5 W/kg

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

Reference Value = 100.0 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 18.9 W/kg

SAR(1 g) = 9.9 W/kg; SAR(10 g) = 5.1 W/kg

Maximum value of SAR (measured) = 15.6 W/kg

0 dB = 15.6 W/kg = 11.93 dBW/kg

2450 MHz

Date/Time: 2/1/2023

Electronics: DAE4 Sn777

Medium: H700-6000M

Medium parameters used: f = 2450 MHz; σ = 1.852 S/m; ε_r = 40.73; ρ = 1000 kg/m^3

Ambient Temperature:23.3℃   Liquid Temperature: 22.5℃

Communication System: CW (0) Frequency: 2450 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7673 ConvF(7.57, 7.57, 7.57); Calibrated: 7/8/2022

Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

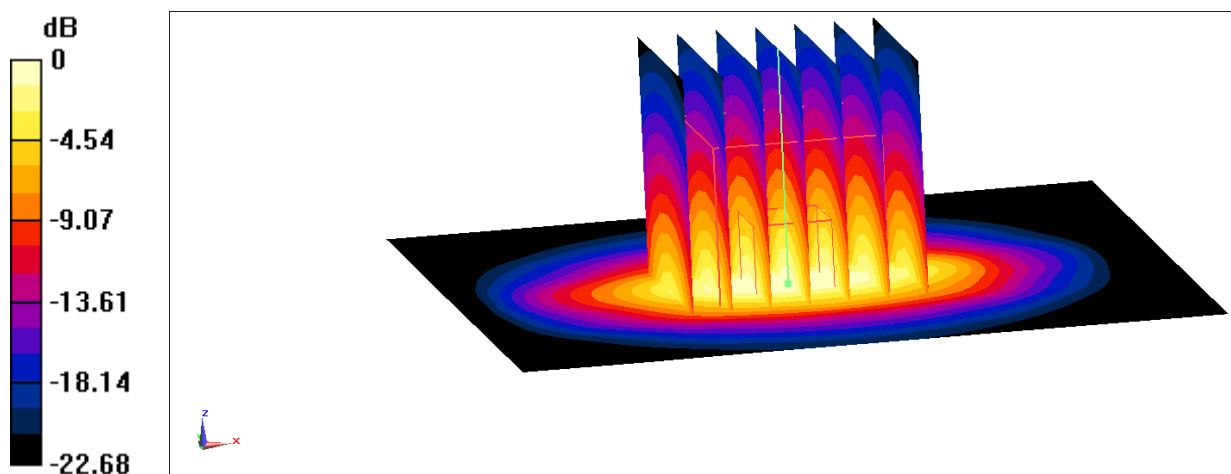Maximum value of SAR (interpolated) = 21.6 W/kg

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

Reference Value = 102.7 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 27.2 W/kg

SAR(1 g) = 13 W/kg; SAR(10 g) = 5.97 W/kg

Maximum value of SAR (measured) = 22.0 W/kg

0 dB = 22.0 W/kg = 13.42 dBW/kg

2600 MHz

Date/Time: 2/2/2023

Electronics: DAE4 Sn777

Medium: H700-6000M

Medium parameters used: f = 2600 MHz; σ = 1.968 S/m; ε $_r$ = 40.51; ρ = 1000 kg/m^3

Ambient Temperature:23.3℃   Liquid Temperature: 22.5℃

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

Probe: EX3DV4 - SN7673 ConvF(7.31, 7.31, 7.31); Calibrated: 7/8/2022

Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
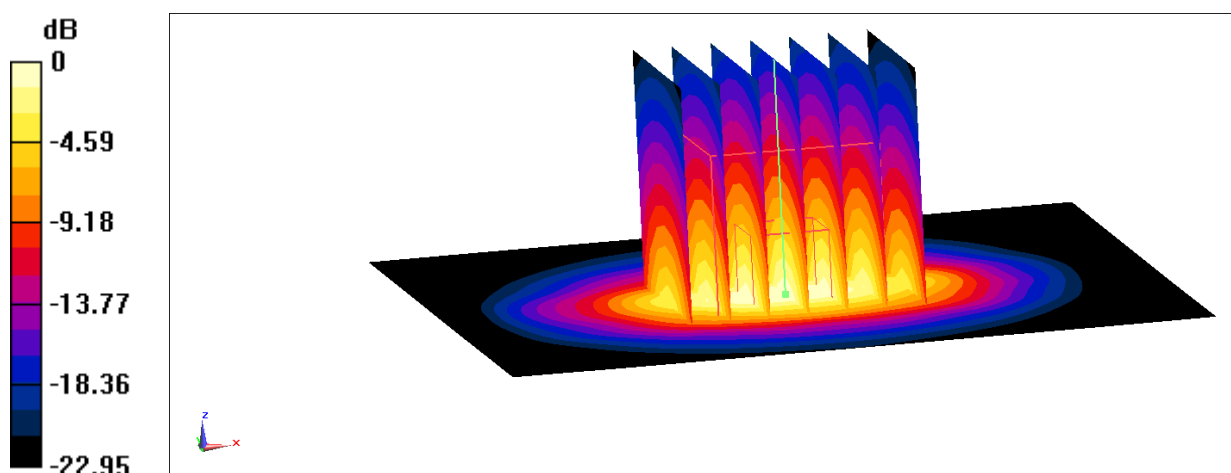
Maximum value of SAR (interpolated) = 22.8 W/kg

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

Reference Value = 99.71 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 29.4 W/kg

SAR(1 g) = 14.1 W/kg; SAR(10 g) = 6.35 W/kg

Maximum value of SAR (measured) = 23.9 W/kg

0 dB = 23.9 W/kg = 13.78 dBW/kg

5250 MHz

Date/Time: 2/3/2023

Electronics: DAE4 Sn777

Medium: H700-6000M

Medium parameters used: f = 5250 MHz; σ = 4.505 S/m; $ε_r$ = 36.12; ρ = 1000 kg/m^3

Ambient Temperature:23.3℃   Liquid Temperature: 22.5℃

Communication System: CW (0) Frequency: 5250 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7673 ConvF(5.21, 5.21, 5.21); Calibrated: 7/8/2022

Area Scan (91x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 18.7 W/kg

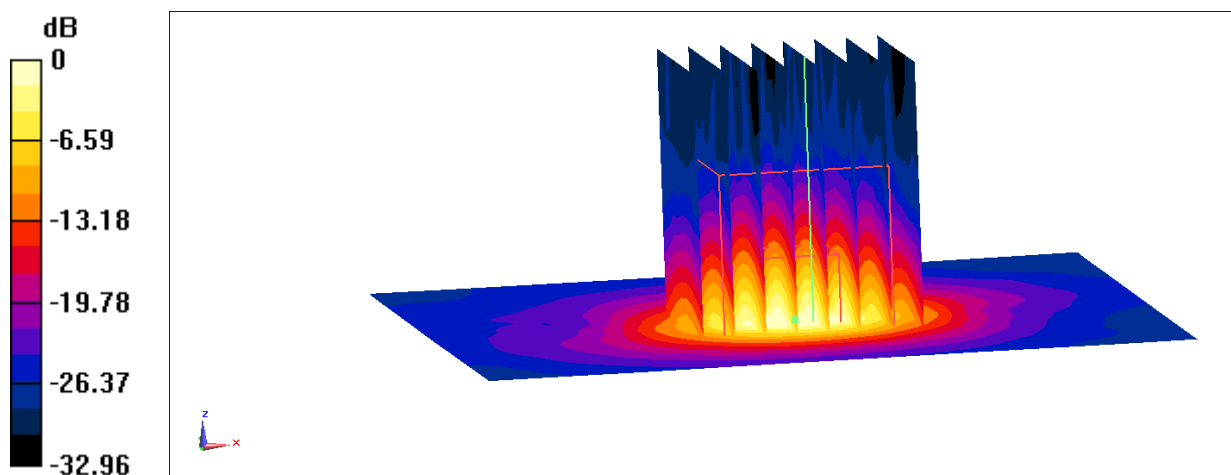**Zoom Scan (4x4x1.4mm, graded), dist=1.4mm (8x8x8)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 66.62 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 30.2 W/kg

SAR(1 g) = 7.74 W/kg; SAR(10 g) = 2.23 W/kg

Maximum value of SAR (measured) = 17.9 W/kg

0 dB = 17.9 W/kg = 12.53 dBW/kg

5600 MHz

Date/Time: 2/4/2023

Electronics: DAE4 Sn777

Medium: H700-6000M

Medium parameters used: f = 5600 MHz; σ = 4.895 S/m; ε $_r$ = 35.55; ρ = 1000 kg/m³

Ambient Temperature:23.3℃   Liquid Temperature: 22.5℃

Communication System: CW (0) Frequency: 5600 MHz Duty Cycle: 1:1

Probe: EX3DV4 - SN7673 ConvF(4.71, 4.71, 4.71); Calibrated: 7/8/2022

Area Scan (91x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 20.2 W/kg

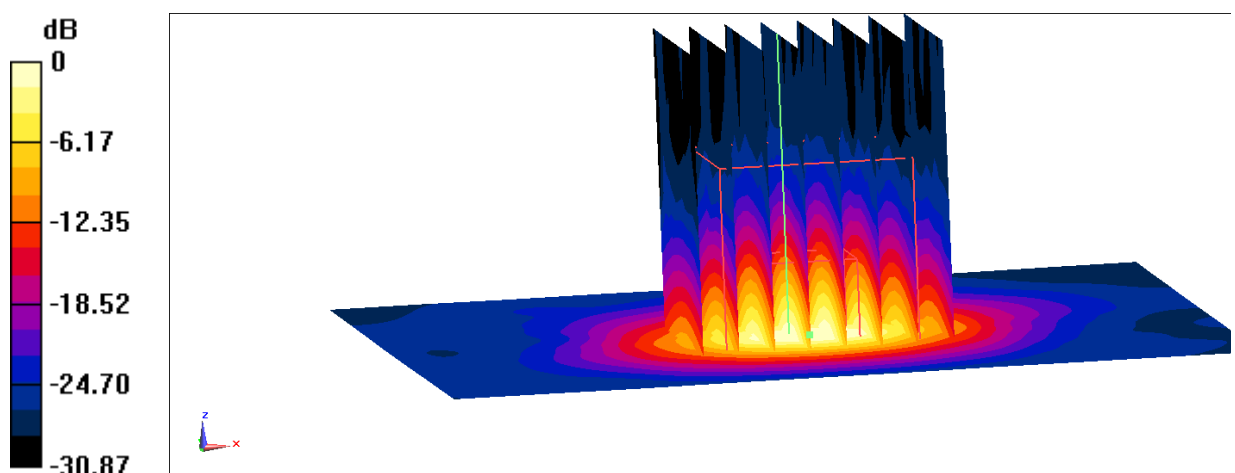**Zoom Scan (4x4x1.4mm, graded), dist=1.4mm (8x8x8)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 66.15 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 34.1 W/kg
SAR(1 g) = 8.06 W/kg; SAR(10 g) = 2.32 W/kg
Maximum value of SAR (measured) = 19.5 W/kg

0 dB = 19.5 W/kg = 12.90 dBW/kg

5750 MHz

Date/Time: 2/5/2023

Electronics: DAE4 Sn777

Medium: H700-6000M

Medium parameters used: f = 5750 MHz; σ = 5.056 S/m; ε_r = 35.33; ρ = 1000 kg/m^3

Ambient Temperature:23.3℃   Liquid Temperature: 22.5℃

Communication System: CW (0) Frequency: 5750 MHz Duty Cycle: 1:1

Probe: EX3DV4 – SN7673 ConvF(4.7, 4.7, 4.7); Calibrated: 7/8/2022

Area Scan (91x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 19.9 W/kg

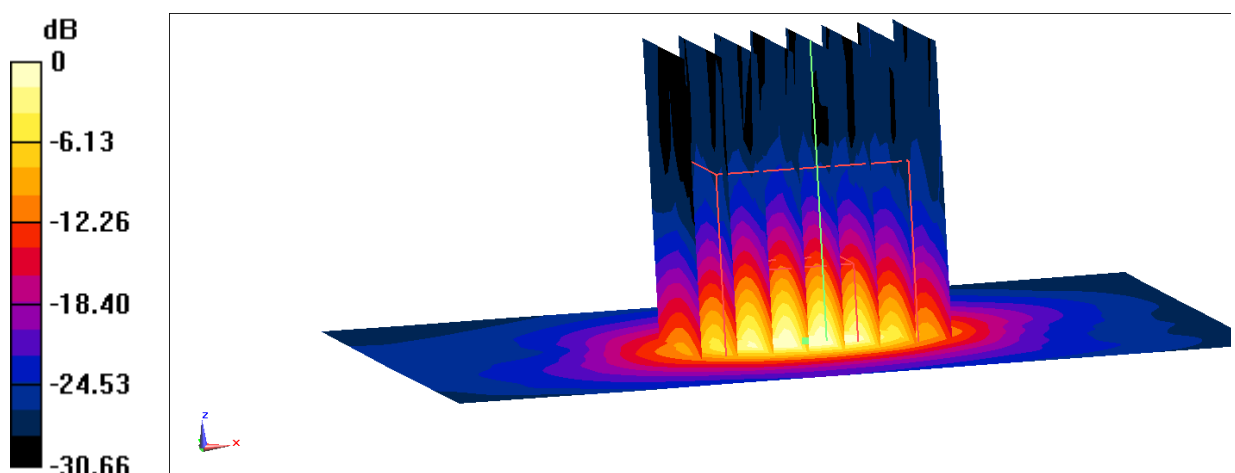**Zoom Scan (4x4x1.4mm, graded), dist=1.4mm (8x8x8)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 64.20 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 34.2 W/kg

SAR(1 g) = 7.78 W/kg; SAR(10 g) = 2.22 W/kg

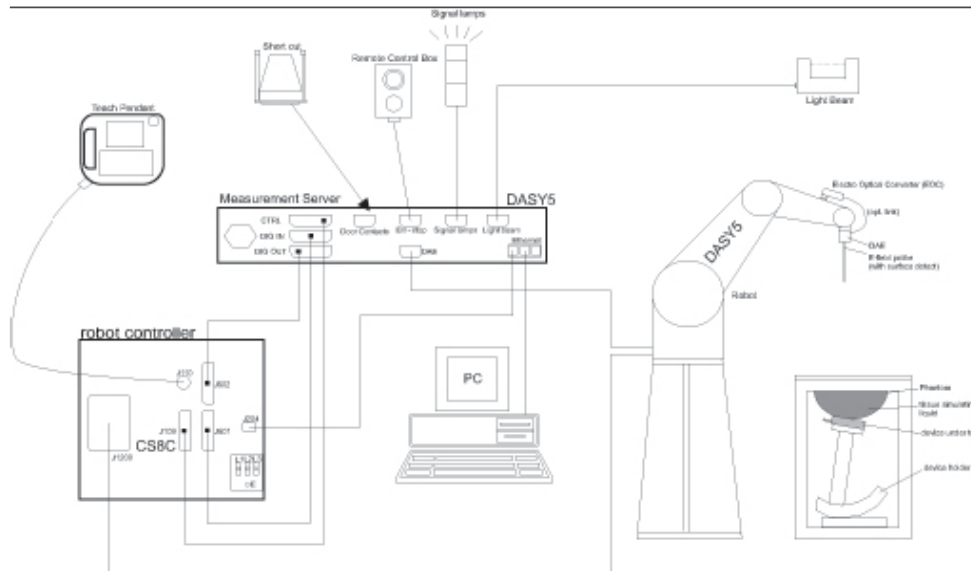Maximum value of SAR (measured) = 18.8 W/kg

0 dB = 18.8 W/kg = 12.74 dBW/kg

ANNEX C   SAR Measurement Setup

C.1 Measurement Set-up

The Dasy5 or DASY6 system for performing compliance tests is illustrated above graphically. This system consists of the following items:

Picture C.1SAR Lab Test Measurement Set-up

- A standard high precision 6-axis robot (StäubliTX=RX family) with controller, teach pendant and software. An arm extension for accommodating the data acquisition electronics (DAE).
- An isotropic field probe optimized and calibrated for the targeted measurement.
- A data acquisition electronics (DAE) which performs the signal amplification, signal multiplexing, AD-conversion, offset measurements, mechanical surface detection, collision detection, etc. The unit is battery powered with standard or rechargeable batteries. The signal is optically transmitted to the EOC.
- The Electro-optical converter (EOC) performs the conversion from optical to electrical signals for the digital communication to the DAE. To use optical surface detection, a special version of the EOC is required. The EOC signal is transmitted to the measurement server.
- The function of the measurement server is to perform the time critical tasks such as signal filtering, control of the robot operation and fast movement interrupts.
- The Light Beam used is for probe alignment. This improves the (absolute) accuracy of the probe positioning.
- A computer running WinXP and the DASY5 or DASY6 software.
- Remote control and teach pendant as well as additional circuitry for robot safety such as
- warning lamps, etc.
- The phantom, the device holder and other accessories according to the targeted measurement.