

APPENDIX A: TEST CONFIGURATIONS AND TEST DATA

A1: TEST CONFIGURATION

Mode 1



Mode 2



Mode 3

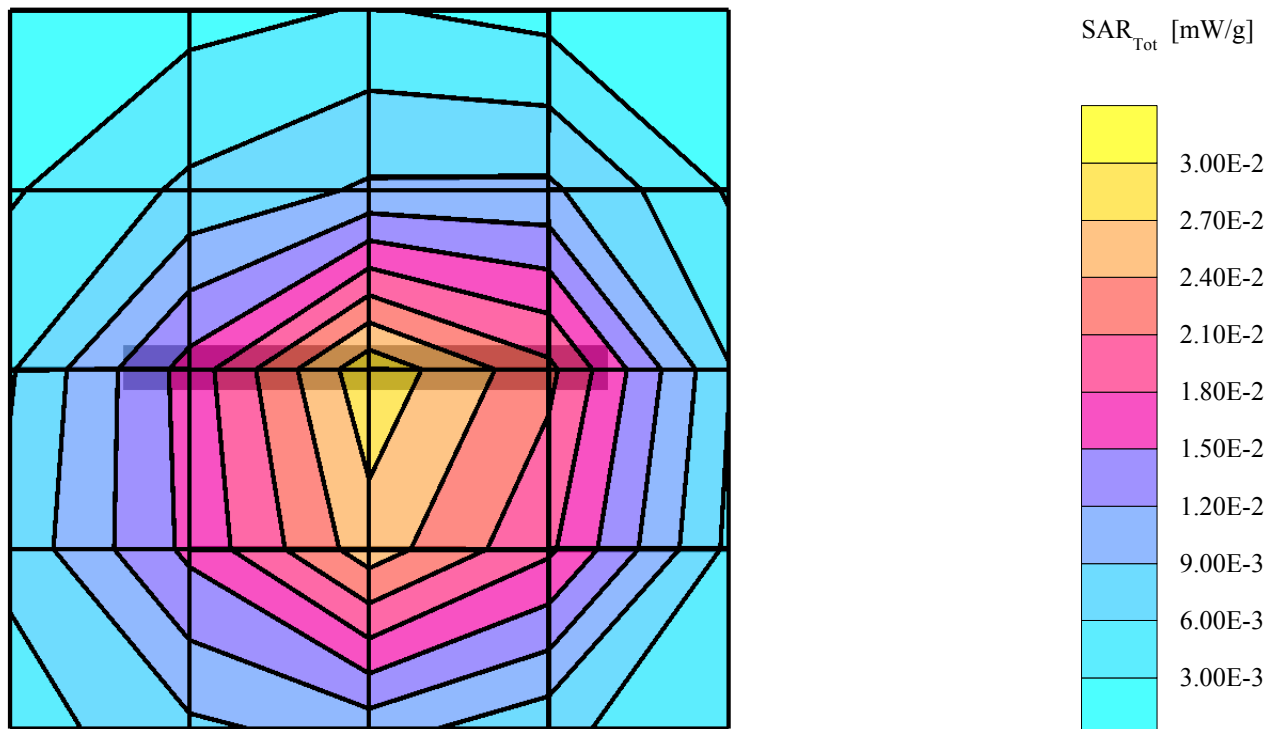




A2: TEST DATA

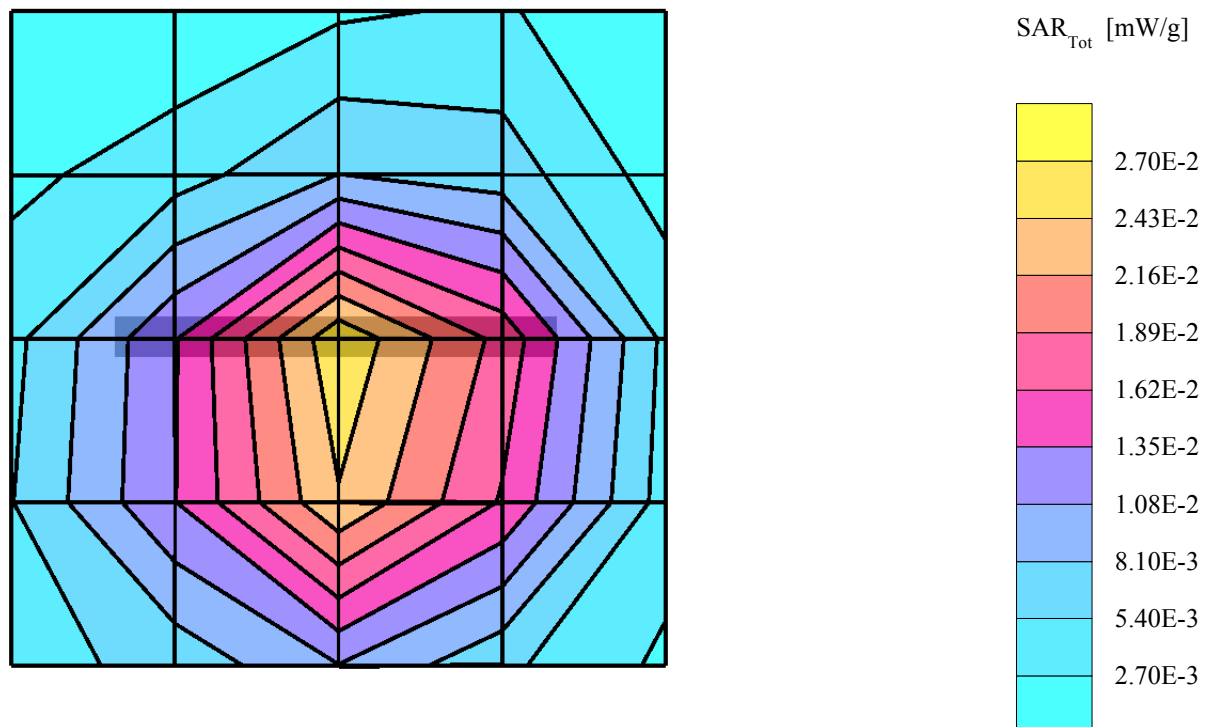
Wireless LAN Card Mode 1

Distance=15mm; Air temperature:23 degrees centigrade; Liquid temperature:22.1 degrees centigrade
SAM Phantom; Flat Section; Position: (0°,90°); Frequency: 2412 MHz; Antenna type: Internal Printed
Probe: ET3DV6 - SN1687; ConvF(4.40,4.40,4.40); Crest factor: 1.0; Body 2412 MHz: $\sigma = 1.91$ mho/m $\epsilon_r = 53.0$ $\rho = 1.00$ g/cm³
Cube 5x5x7: SAR (1g): 0.0316 mW/g, SAR (10g): 0.0174 mW/g, (Worst-case extrapolation)
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Powerdrift: 0.01 dB



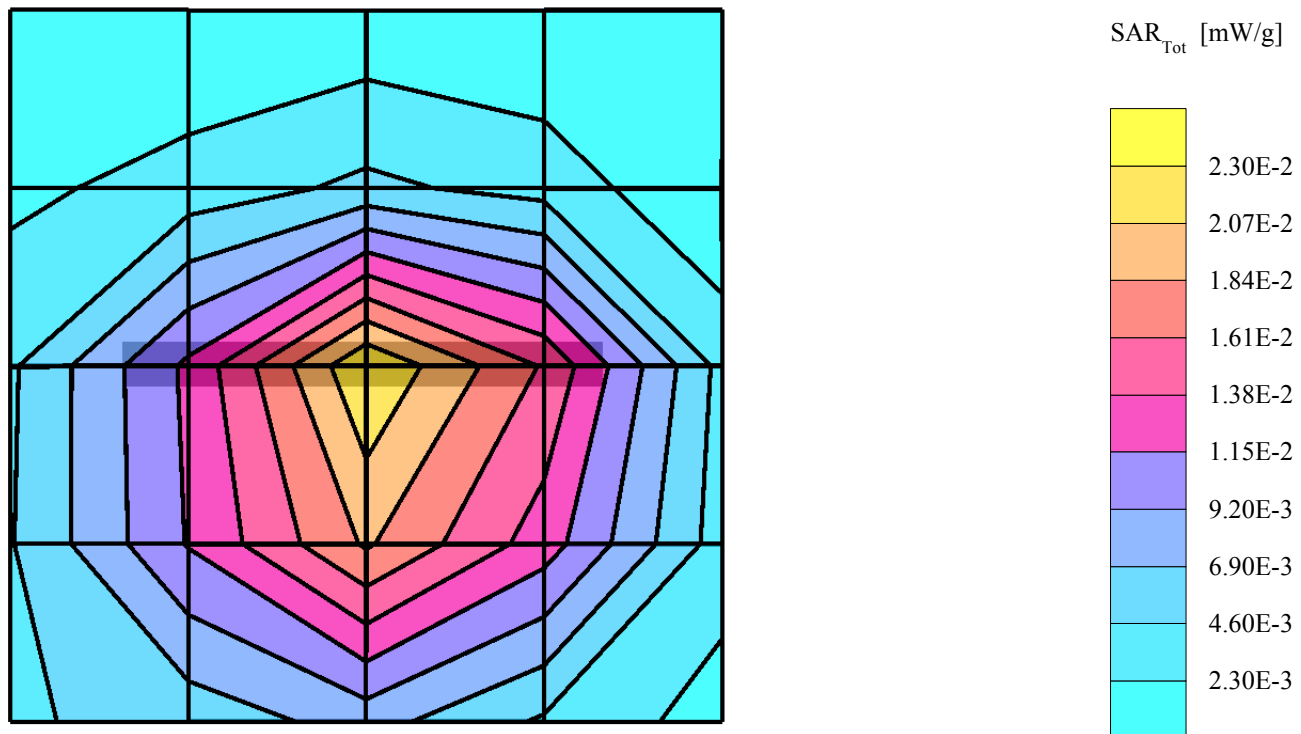
Wireless LAN Card Mode 1

Distance=15mm; Air temperature:23 degrees centigrade; Liquid temperature:22.1 degrees centigrade
SAM Phantom; Flat Section; Position: (0°,90°); Frequency: 2437 MHz; Antenna type: Internal Printed
Probe: ET3DV6 - SN1687; ConvF(4.40,4.40,4.40); Crest factor: 1.0; Body 2437 MHz: $\sigma = 1.95$ mho/m $\epsilon_r = 52.9$ $\rho = 1.00$ g/cm³
Cube 5x5x7: SAR (1g): 0.0274 mW/g, SAR (10g): 0.0146 mW/g, (Worst-case extrapolation)
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Powerdrift: 0.01 dB



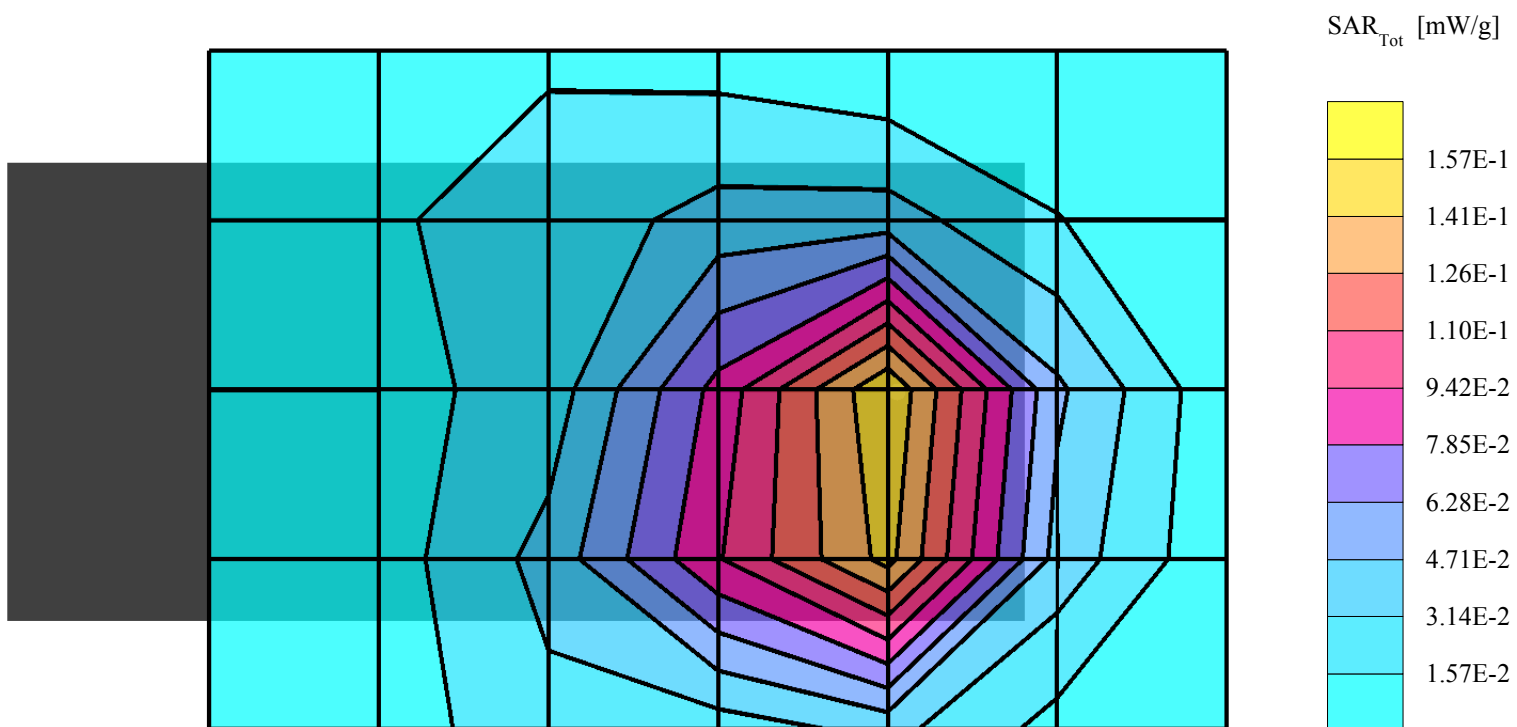
Wireless LAN Card Mode 1

Distance=15mm; Air temperature:23 degrees centigrade; Liquid temperature:22.1 degrees centigrade
SAM Phantom; Flat Section; Position: (0°,90°); Frequency: 2462 MHz; Antenna type: Internal Printed
Probe: ET3DV6 - SN1687; ConvF(4.40,4.40,4.40); Crest factor: 1.0; Body 2462 MHz: $\sigma = 1.98$ mho/m $\epsilon_r = 52.9$ $\rho = 1.00$ g/cm³
Cube 5x5x7: SAR (1g): 0.0229 mW/g, SAR (10g): 0.0126 mW/g, (Worst-case extrapolation)
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Powerdrift: 0.01 dB



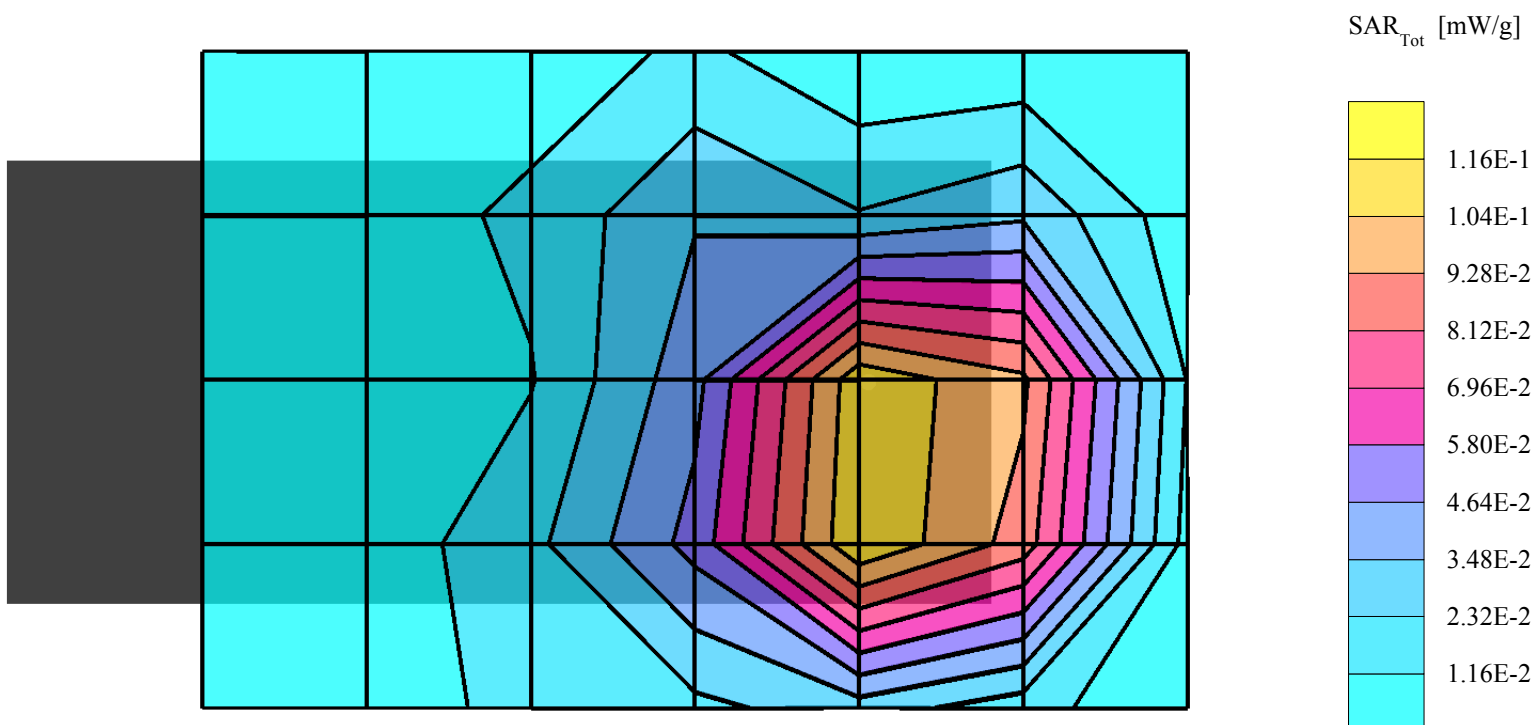
Wireless LAN Card Mode 2

Distance=0mm; Air temperature:23 degrees centigrade; Liquid temperature:22.1 degrees centigrade
SAM Phantom; Flat Section; Position: (90°,180°); Frequency: 2412 MHz; Antenna type: Internal Printed
Probe: ET3DV6 - SN1687; ConvF(4.40,4.40,4.40); Crest factor: 1.0; Body 2412 MHz: $\sigma = 1.91$ mho/m $\epsilon_r = 53.0$ $\rho = 1.00$ g/cm³
Cube 5x5x7: SAR (1g): 0.172 mW/g, SAR (10g): 0.0940 mW/g, (Worst-case extrapolation)
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Powerdrift: -0.03 dB



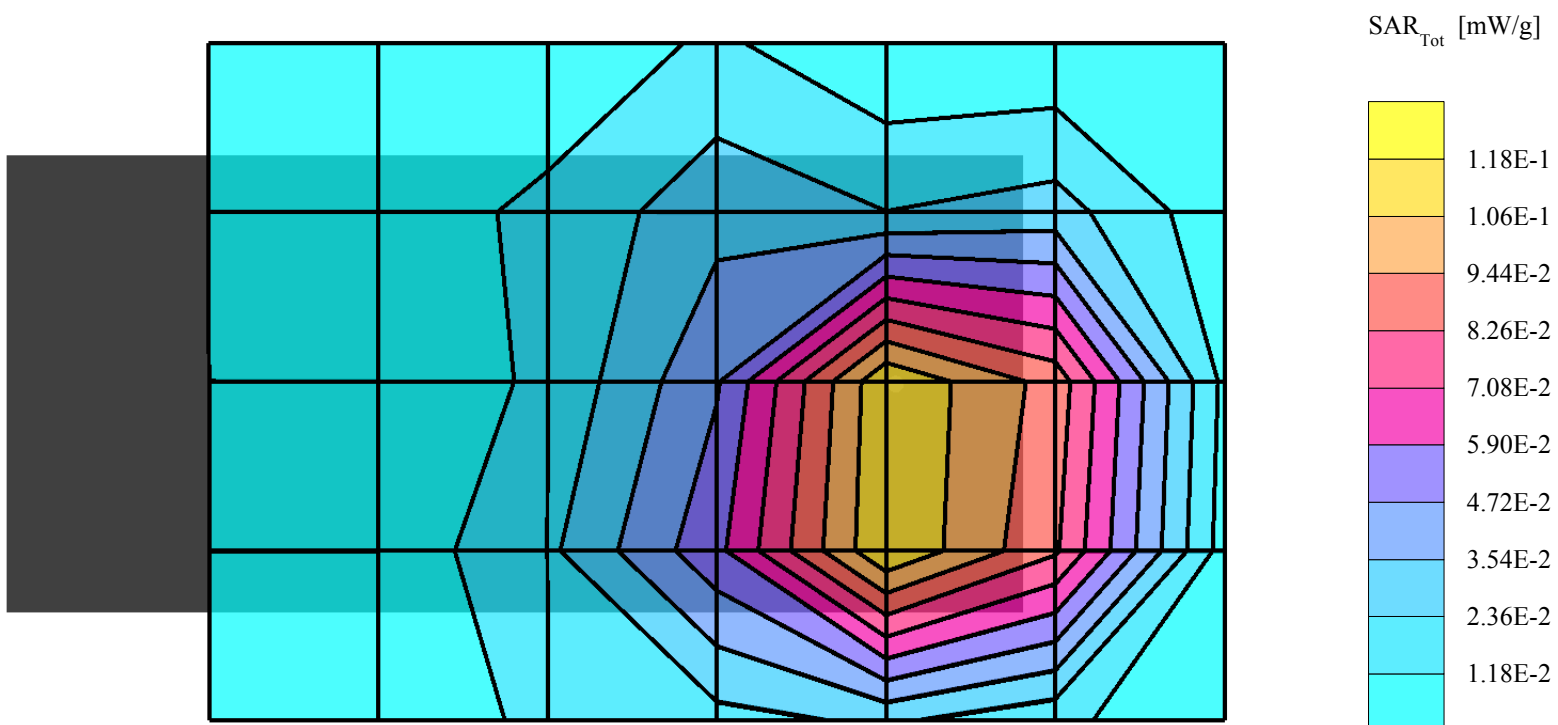
Wireless LAN Card Mode 2

Distance=0mm; Air temperature:23 degrees centigrade; Liquid temperature:22.1 degrees centigrade
SAM Phantom; Flat Section; Position: (90°,180°); Frequency: 2437 MHz; Antenna type: Internal Printed
Probe: ET3DV6 - SN1687; ConvF(4.40,4.40,4.40); Crest factor: 1.0; Body 2437 MHz: $\sigma = 1.95$ mho/m $\epsilon_r = 52.9$ $\rho = 1.00$ g/cm³
Cube 5x5x7: SAR (1g): 0.165 mW/g, SAR (10g): 0.0863 mW/g, (Worst-case extrapolation)
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Powerdrift: 0.13 dB



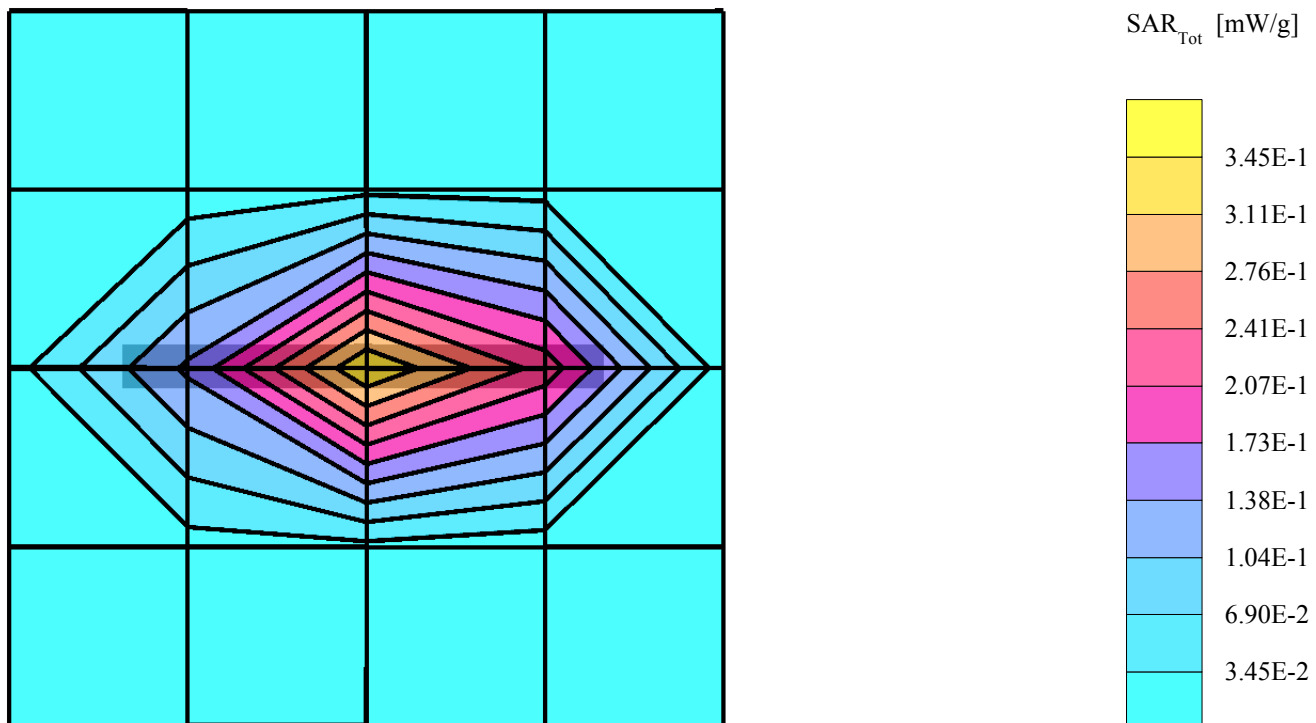
Wireless LAN Card Mode 2

Distance=0mm; Air temperature:23 degrees centigrade; Liquid temperature:22.1 degrees centigrade
SAM Phantom; Flat Section; Position: (90°,180°); Frequency: 2462 MHz; Antenna type: Internal Printed
Probe: ET3DV6 - SN1687; ConvF(4.40,4.40,4.40); Crest factor: 1.0; Body 2462 MHz: $\sigma = 1.98$ mho/m $\epsilon_r = 52.9$ $\rho = 1.00$ g/cm³
Cube 5x5x7: SAR (1g): 0.161 mW/g, SAR (10g): 0.0854 mW/g, (Worst-case extrapolation)
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Powerdrift: -0.04 dB



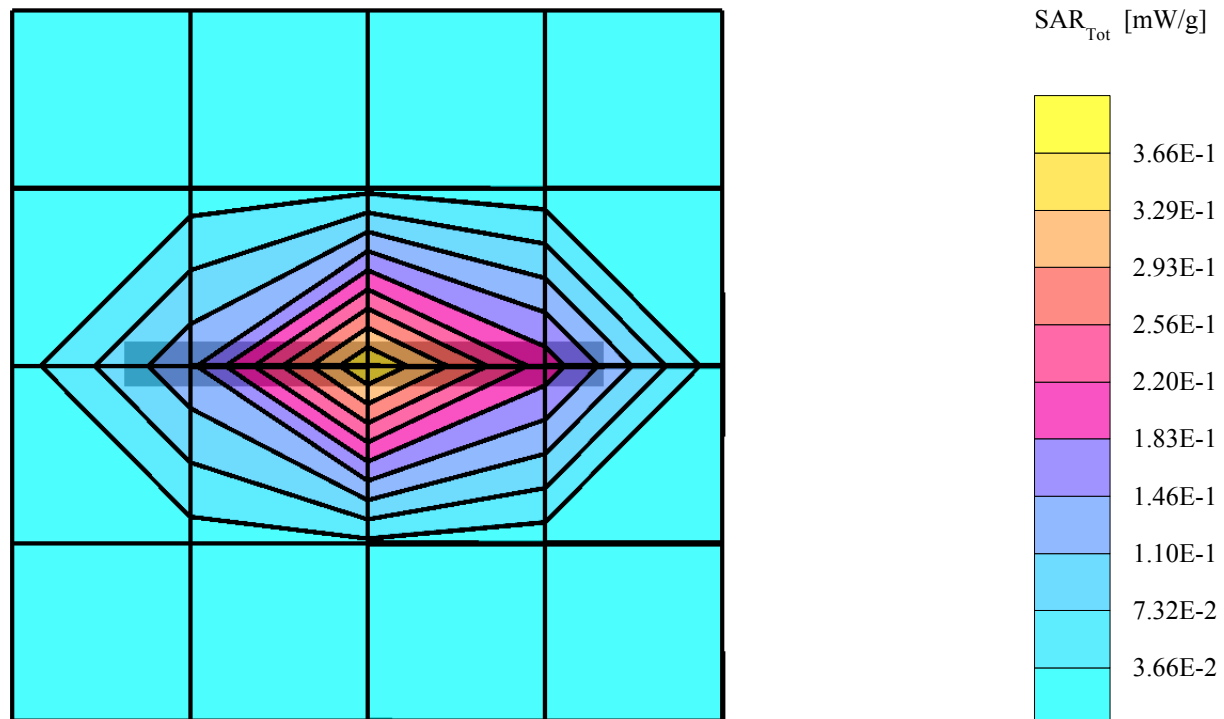
Wireless LAN Card Mode 3

Distance=0mm; Air temperature:23 degrees centigrade; Liquid temperature:22.1 degrees centigrade
SAM Phantom; Flat Section; Position: (0°,90°); Frequency: 2412 MHz; Antenna type: Internal Printed
Probe: ET3DV6 - SN1687; ConvF(4.40,4.40,4.40); Crest factor: 1.0; Body 2412 MHz: $\sigma = 1.91$ mho/m $\epsilon_r = 53.0$ $\rho = 1.00$ g/cm³
Cube 5x5x7: SAR (1g): 0.307 mW/g, SAR (10g): 0.148 mW/g, (Worst-case extrapolation)
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Powerdrift: -0.02 dB



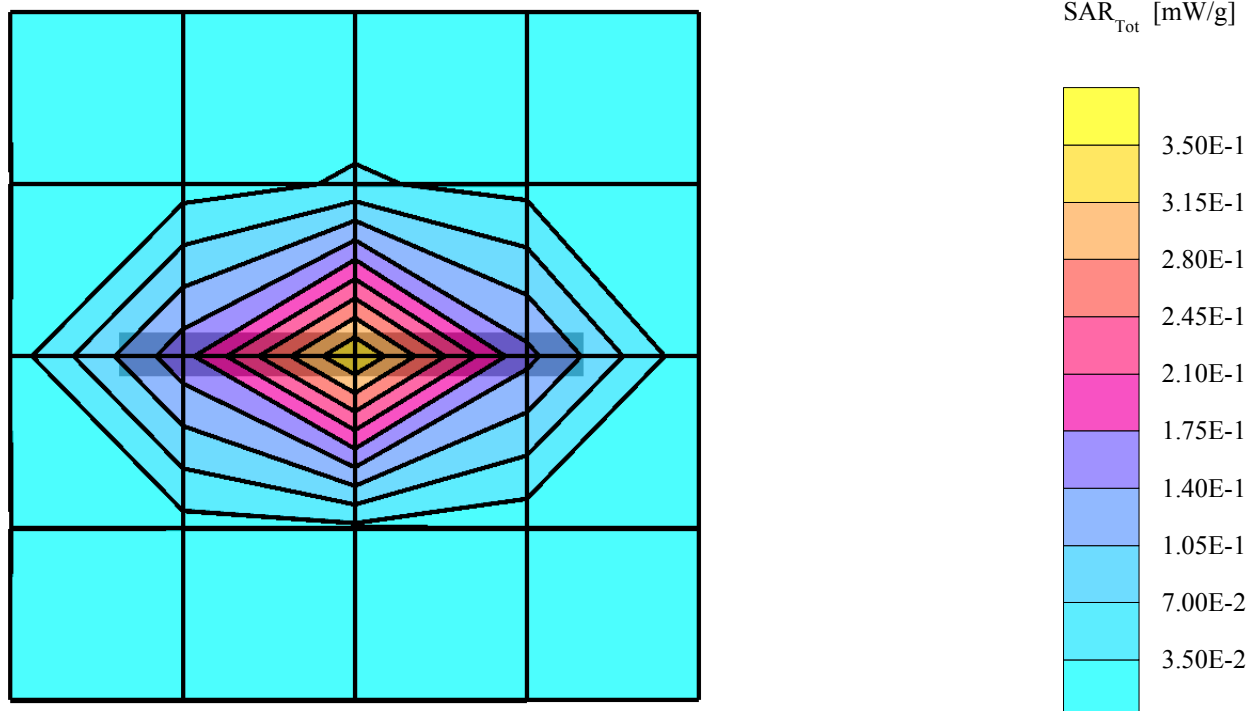
Wireless LAN Card Mode 3

Distance=0mm; Air temperature:23 degrees centigrade; Liquid temperature:22.1 degrees centigrade
SAM Phantom; Flat Section; Position: (0°,90°); Frequency: 2437 MHz; Antenna type: Internal Printed
Probe: ET3DV6 - SN1687; ConvF(4.40,4.40,4.40); Crest factor: 1.0; Body 2437 MHz: $\sigma = 1.95$ mho/m $\epsilon_r = 52.9$ $\rho = 1.00$ g/cm³
Cube 5x5x7: SAR (1g): 0.318 mW/g, SAR (10g): 0.150 mW/g, (Worst-case extrapolation)
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Powerdrift: -0.12 dB



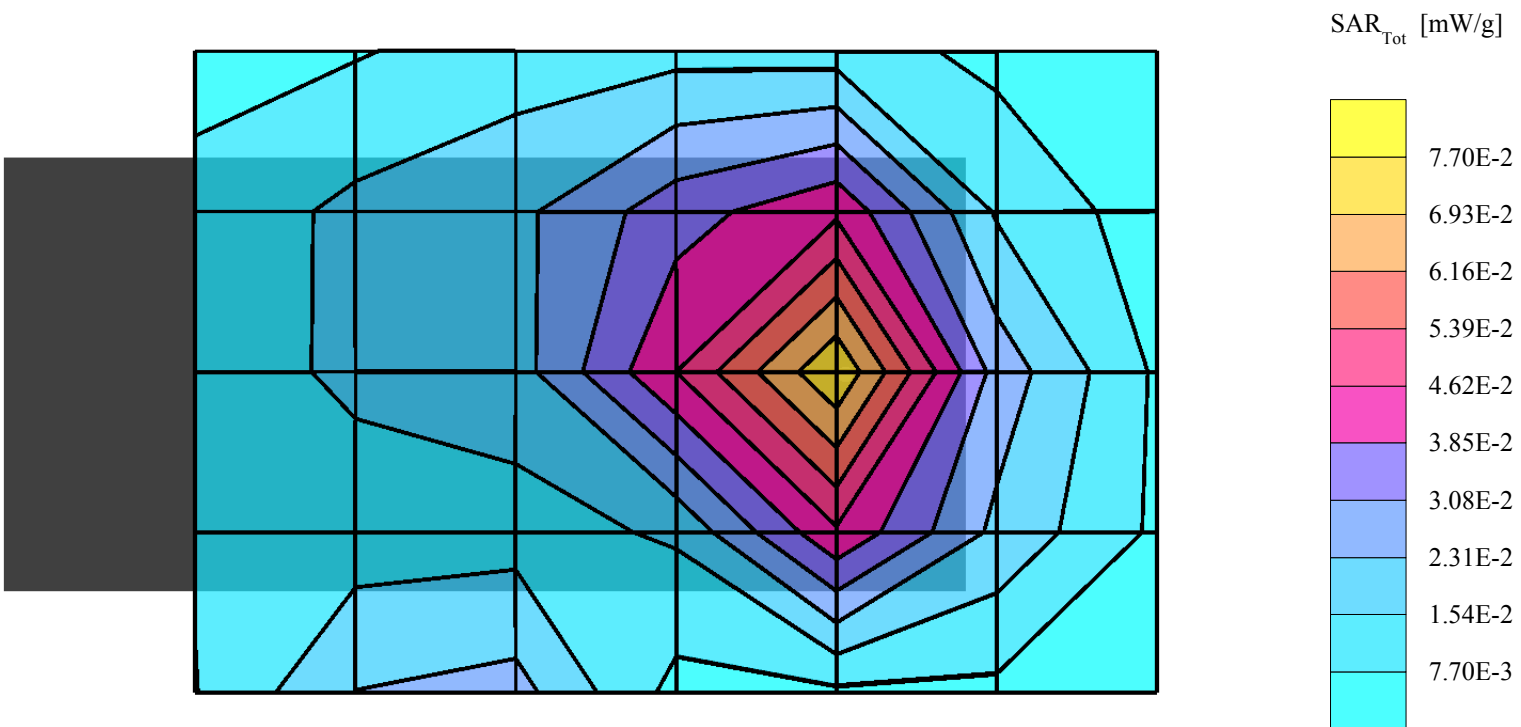
Wireless LAN Card Mode 3

Distance=0mm; Air temperature:23 degrees centigrade; Liquid temperature:22.1 degrees centigrade
SAM Phantom; Flat Section; Position: (0°,90°); Frequency: 2462 MHz; Antenna type: Internal Printed
Probe: ET3DV6 - SN1687; ConvF(4.40,4.40,4.40); Crest factor: 1.0; Body 2462 MHz: $\sigma = 1.98$ mho/m $\epsilon_r = 52.9$ $\rho = 1.00$ g/cm³
Cube 5x5x7: SAR (1g): 0.302 mW/g, SAR (10g): 0.144 mW/g, (Worst-case extrapolation)
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Powerdrift: -0.07 dB



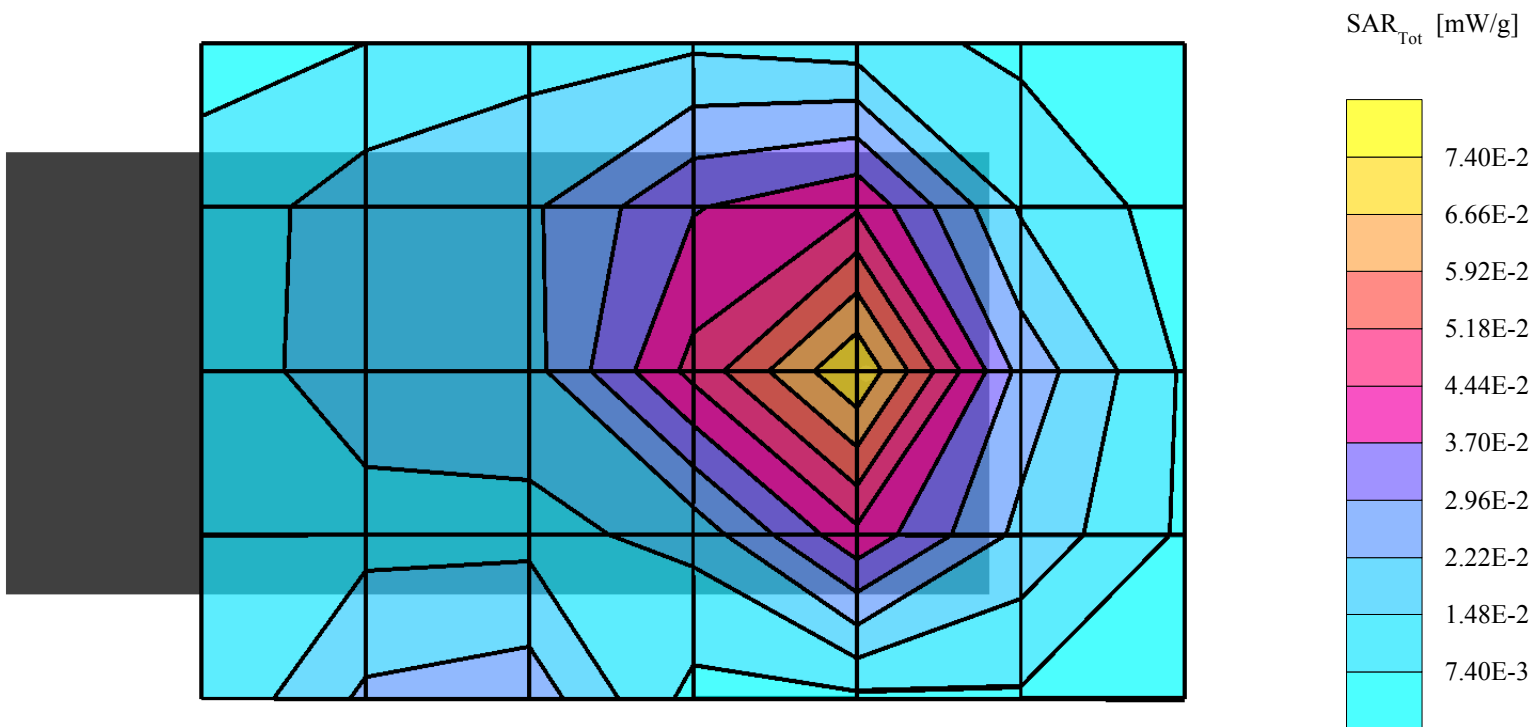
Wireless LAN Card Mode 4

Distance=0mm; Air temperature:23 degrees centigrade; Liquid temperature:22.1 degrees centigrade
SAM Phantom; Flat Section; Position: (90°,180°); Frequency: 2412 MHz; Antenna type: Internal Printed
Probe: ET3DV6 - SN1687; ConvF(4.40,4.40,4.40); Crest factor: 1.0; Body 2412 MHz: $\sigma = 1.91$ mho/m $\epsilon_r = 53.0$ $\rho = 1.00$ g/cm³
Cube 5x5x7: SAR (1g): 0.0728 mW/g, SAR (10g): 0.0422 mW/g, (Worst-case extrapolation)
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Powerdrift: -0.02 dB



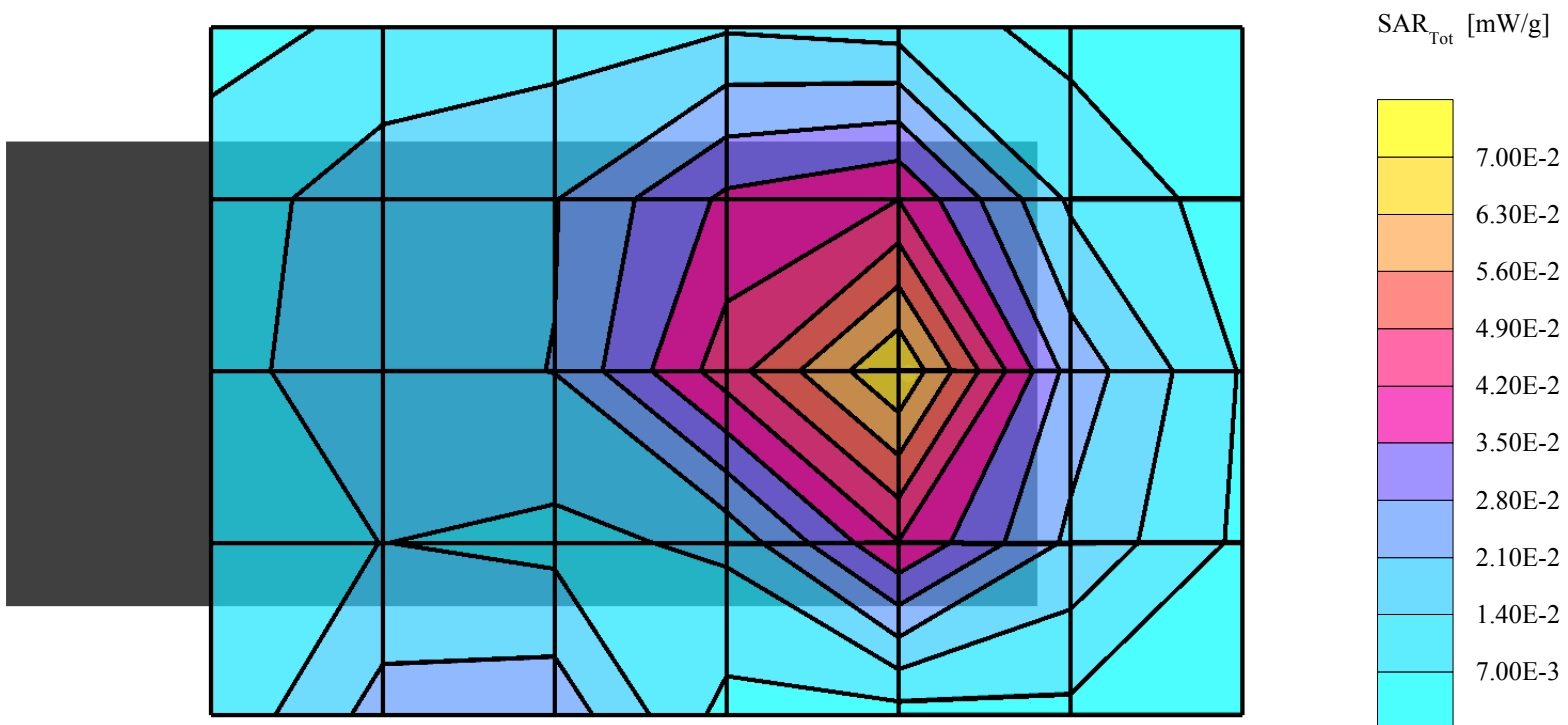
Wireless LAN Card Mode 4

Distance=0mm; Air temperature:23 degrees centigrade; Liquid temperature:22.1 degrees centigrade
SAM Phantom; Flat Section; Position: (90°,180°); Frequency: 2437 MHz; Antenna type: Internal Printed
Probe: ET3DV6 - SN1687; ConvF(4.40,4.40,4.40); Crest factor: 1.0; Body 2437 MHz: $\sigma = 1.95$ mho/m $\epsilon_r = 52.9$ $\rho = 1.00$ g/cm³
Cube 5x5x7: SAR (1g): 0.0705 mW/g, SAR (10g): 0.0409 mW/g, (Worst-case extrapolation)
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Powerdrift: -0.09 dB



Wireless LAN Card Mode 4

Distance=0mm; Air temperature:23 degrees centigrade; Liquid temperature:22.1 degrees centigrade
SAM Phantom; Flat Section; Position: (90°,180°); Frequency: 2462 MHz; Antenna type: Internal Printed
Probe: ET3DV6 - SN1687; ConvF(4.40,4.40,4.40); Crest factor: 1.0; Body 2462 MHz: $\sigma = 1.98 \text{ mho/m}$ $\epsilon_r = 52.9$ $\rho = 1.00 \text{ g/cm}^3$
Cube 5x5x7: SAR (1g): 0.0656 mW/g, SAR (10g): 0.0378 mW/g, (Worst-case extrapolation)
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Powerdrift: -0.09 dB



Wireless LAN Card

Distance=0mm; Air temperature:24 degrees centigrade; Liquid temperature:22.1 degrees centigrade

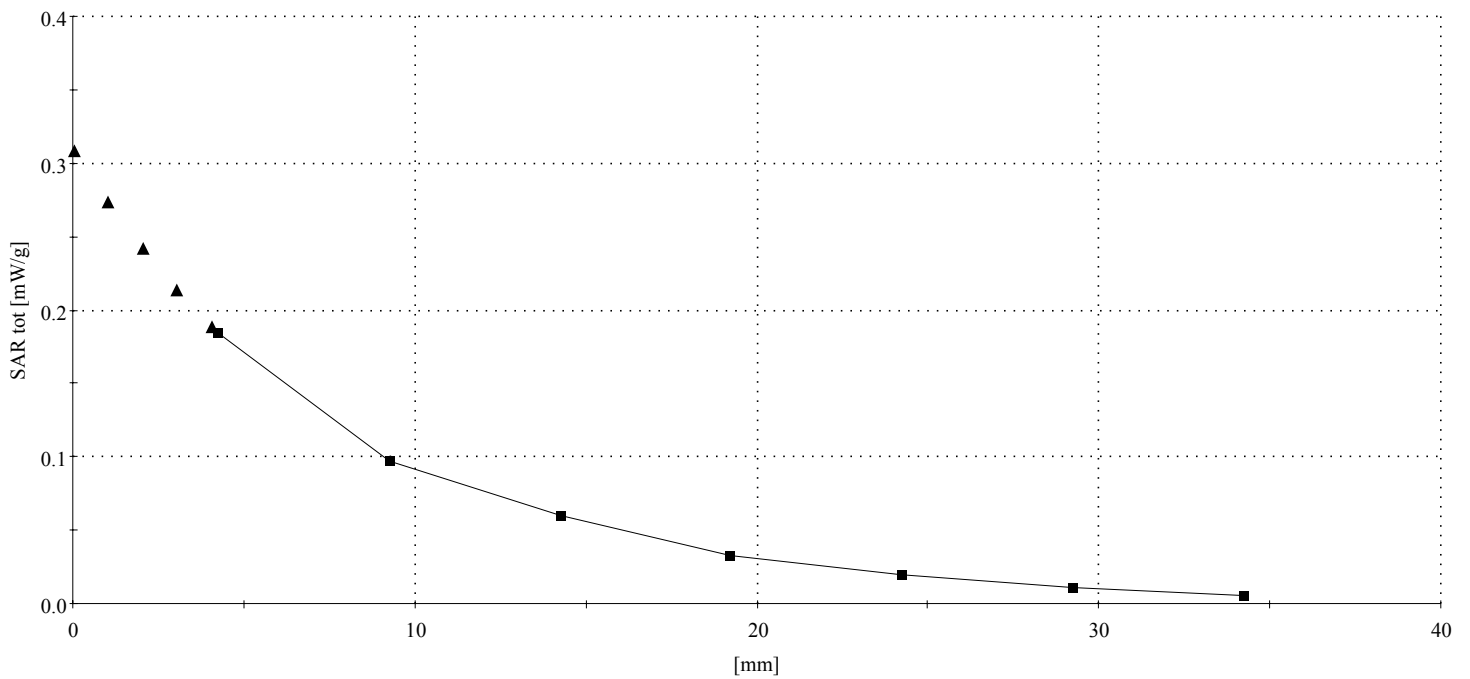
SAM Phantom; Section; Position: ; Frequency: 2412 MHz; Antenna type: Printed Antenna

Probe: ET3DV6 - SN1687; ConvF(4.40,4.40,4.40); Crest factor: 1.0; Body 2412 MHz: $\sigma = 1.91$ mho/m $\epsilon_r = 53.0$ $\rho = 1.00$ g/cm³

Cube 5x5x7: SAR (1g): 0.172 mW/g, SAR (10g): 0.0940 mW/g, (Worst-case extrapolation)

Cube 5x5x7: Dx = 8.0, Dy = 8.0, Dz = 5.0

Powerdrift: -0.03 dB



Validation Dipole D2450V2 SN:716,d=10mm

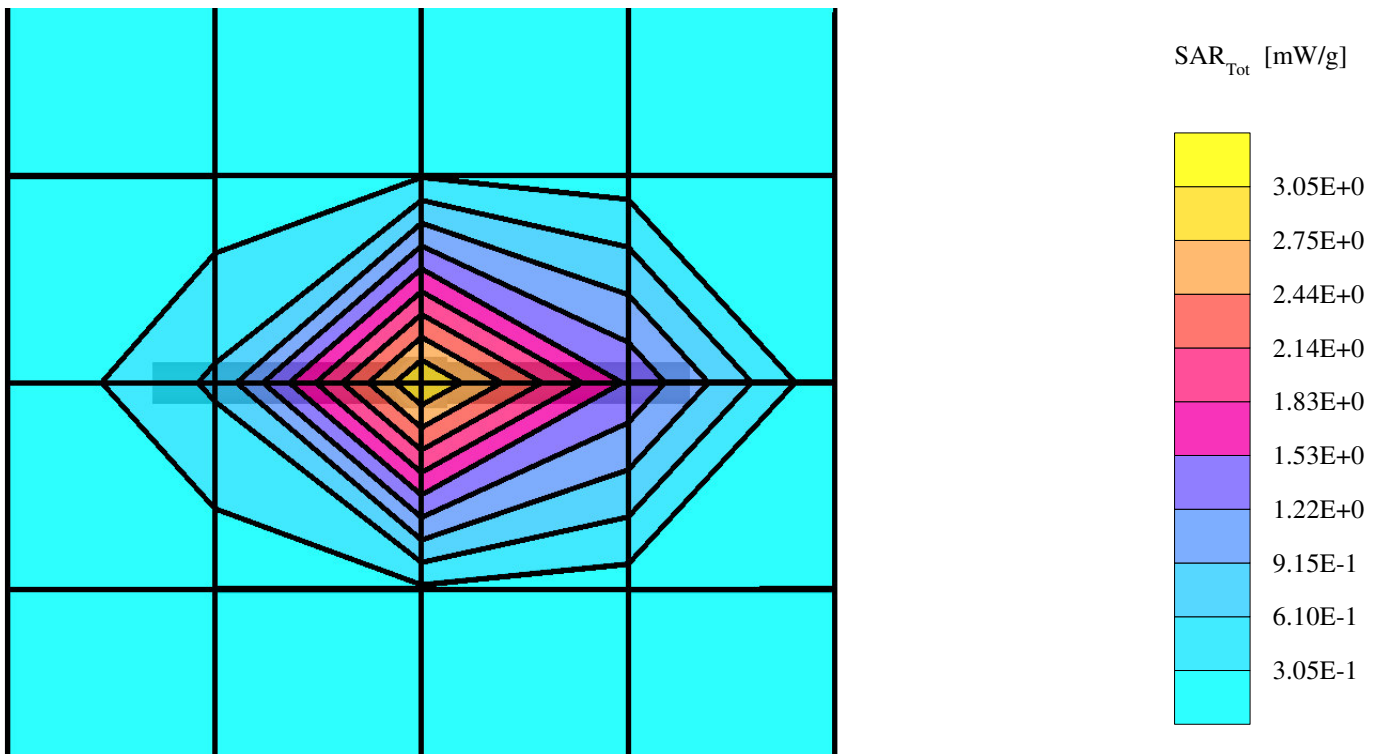
SAM; Flat; Air temperature:23 degrees centigrade; Liquid temperature:22.1 degrees centigrade

Probe: ET3DV6 - SN1687; ConvF(4.40,4.40,4.40); Crest factor: 1.0; Body 2450 MHz: $\sigma = 1.96$ mho/m $\epsilon_r = 52.9$ $\rho = 1.00$ g/cm³

Cubes (2): Peak: 5.58 mW/g ± 0.02 dB, SAR (1g): 2.79 mW/g ± 0.03 dB, SAR (10g): 1.32 mW/g ± 0.04 dB, (Worst-case extrapolation)

Penetration depth: 7.7 (7.1, 8.9) [mm]

Powerdrift: 0.02 dB



Validation Dipole D2450V2 SN:716,d=10mm

SAM; Flat; Air temperature:23 degrees centigrade; Liquid temperature:22.1 degrees centigrade

Probe: ET3DV6 - SN1687; ConvF(4.40,4.40,4.40); Crest factor: 1.0; Body 2450 MHz: $\sigma = 1.96$ mho/m $\epsilon_r = 52.9$ $\rho = 1.00$ g/cm³

Cubes (2): Peak: 5.58 mW/g ± 0.02 dB, SAR (1g): 2.79 mW/g ± 0.03 dB, SAR (10g): 1.32 mW/g ± 0.04 dB, (Worst-case extrapolation)

Penetration depth: 7.7 (7.1, 8.9) [mm]
Powerdrift: 0.02 dB

