

APPENDIX A: TEST CONFIGURATIONS AND TEST DATA

A1: TEST CONFIGURATION

Mode 1



Mode 2



Mode 3





A2: TEST DATA

54M WLAN CardBus Adaptor (mode 1)

Keyboard Face; Air temperature:24 degrees centigrade; Liquid temperature:22.6 degrees centigrade

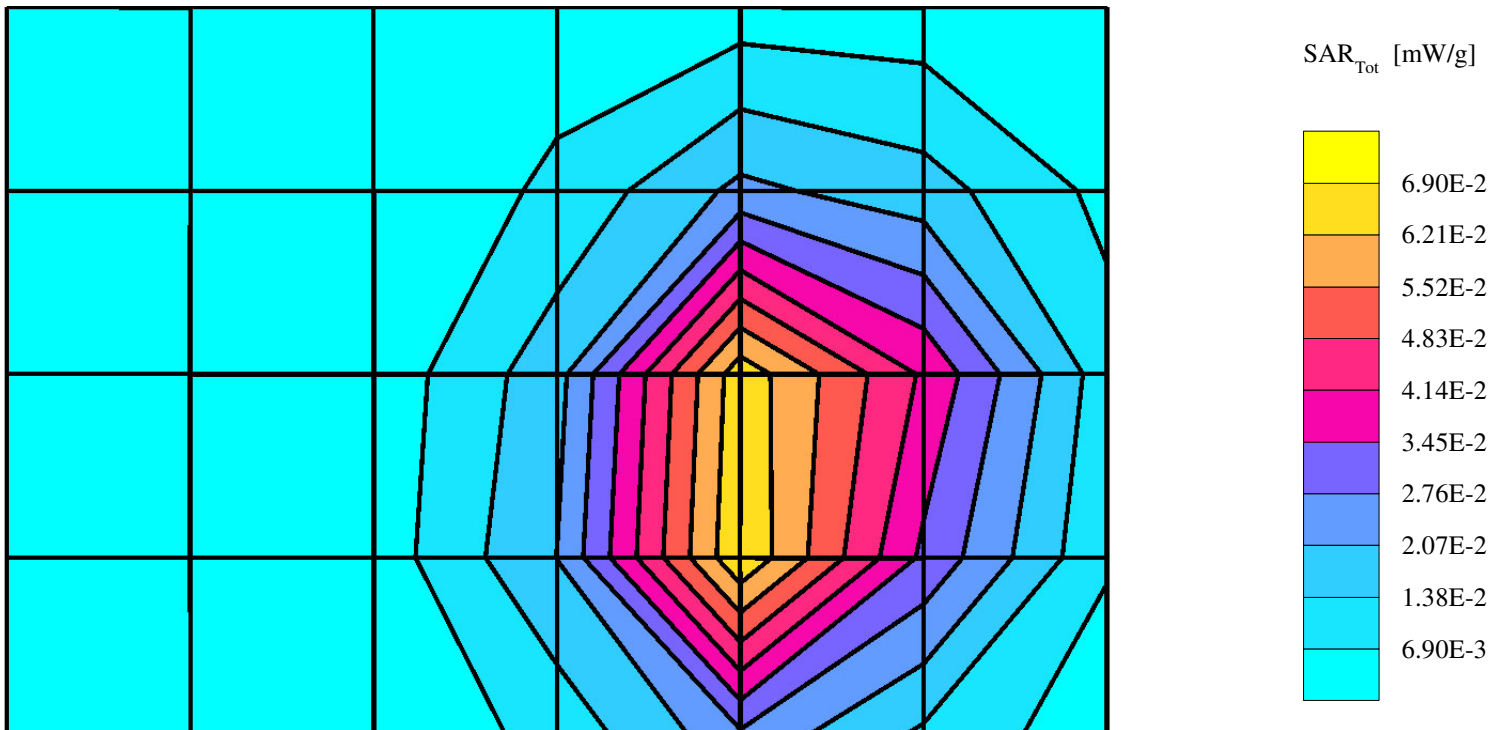
SAM Phantom; Section; Position: ; Frequency: 2412 MHz; Antenna tpye: Chip

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): 0.0716 mW/g, SAR (10g): 0.0400 mW/g, (Worst-case extrapolation)

Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0

Powerdrift: -0.00 dB



54M WLAN CardBus Adaptor (mode 1)

Keyboard Face; Air temperature:24 degrees centigrade; Liquid temperature:22.6 degrees centigrade

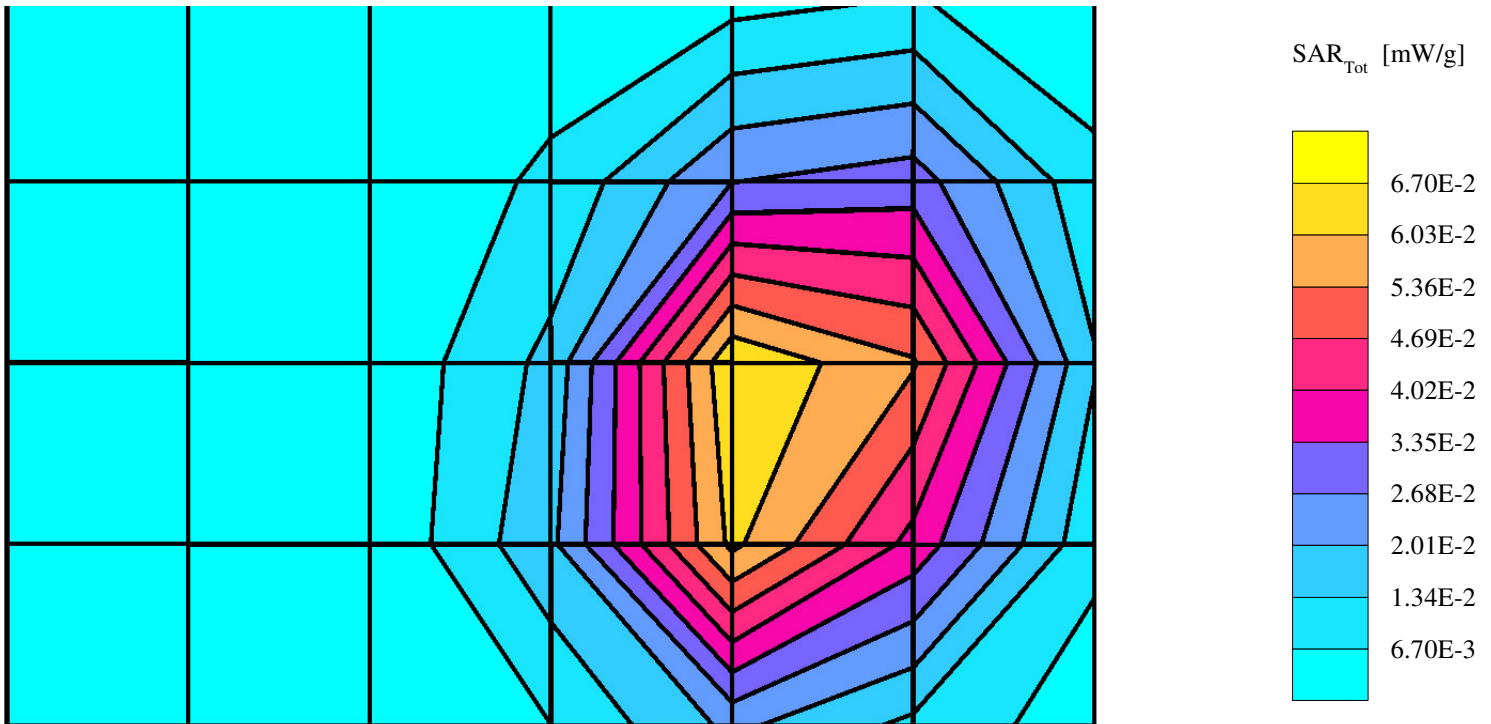
SAM Phantom; Section; Position: ; Frequency: 2437 MHz; Antenna tpye: Chip

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): 0.0740 mW/g, SAR (10g): 0.0412 mW/g, (Worst-case extrapolation)

Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0

Powerdrift: 0.03 dB



54M WLAN CardBus Adaptor (mode 1)

Bottom Face; Air temperature:24 degrees centigrade; Liquid temperature:22.6 degrees centigrade

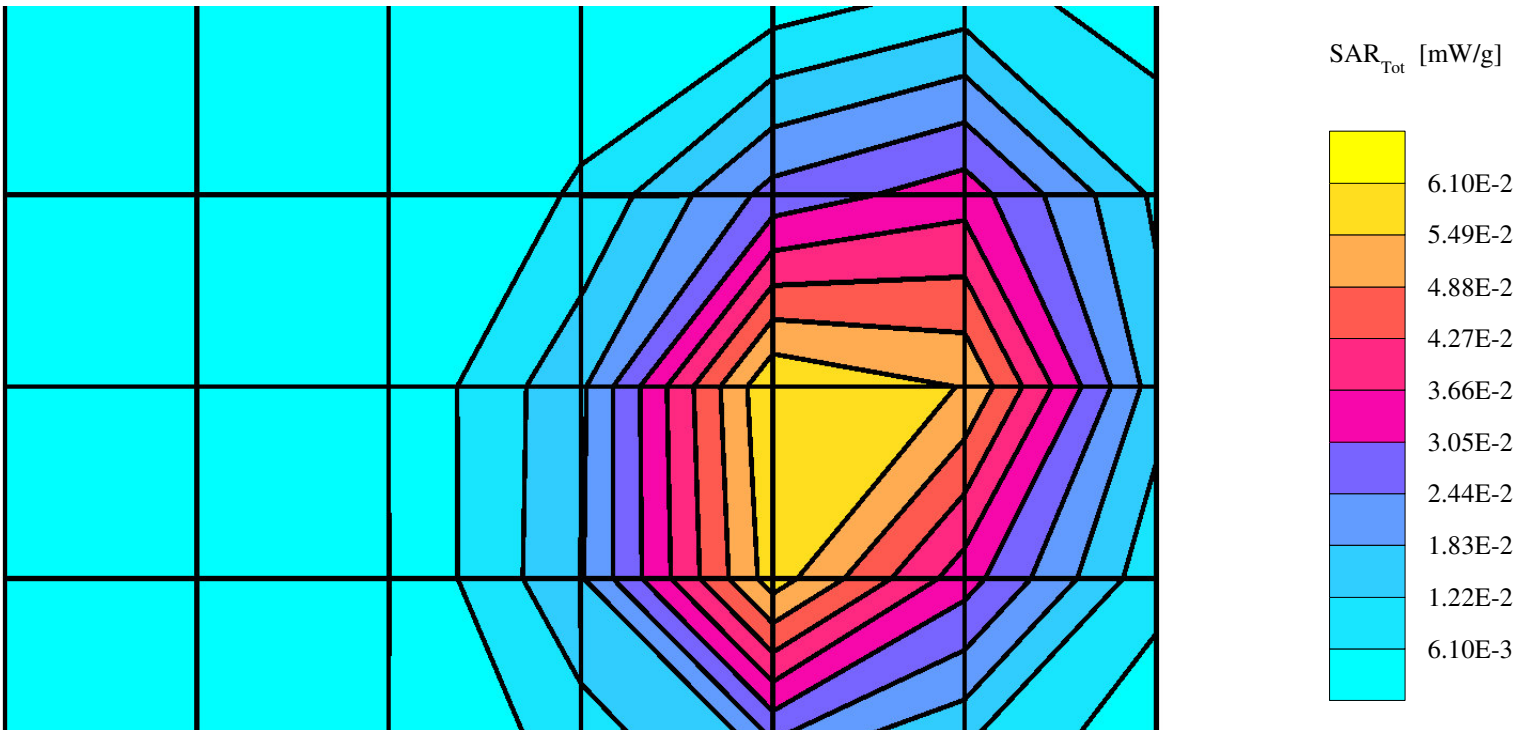
SAM Phantom; Section; Position: ; Frequency: 2462 MHz; Antenna type: Chip

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): 0.0689 mW/g, SAR (10g): 0.0387 mW/g, (Worst-case extrapolation)

Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0

Powerdrift: 0.06 dB



54M WLAN CardBus Adaptor (mode 2)

Bottom Face; Air temperature:24 degrees centigrade; Liquid temperature:22.6 degrees centigrade

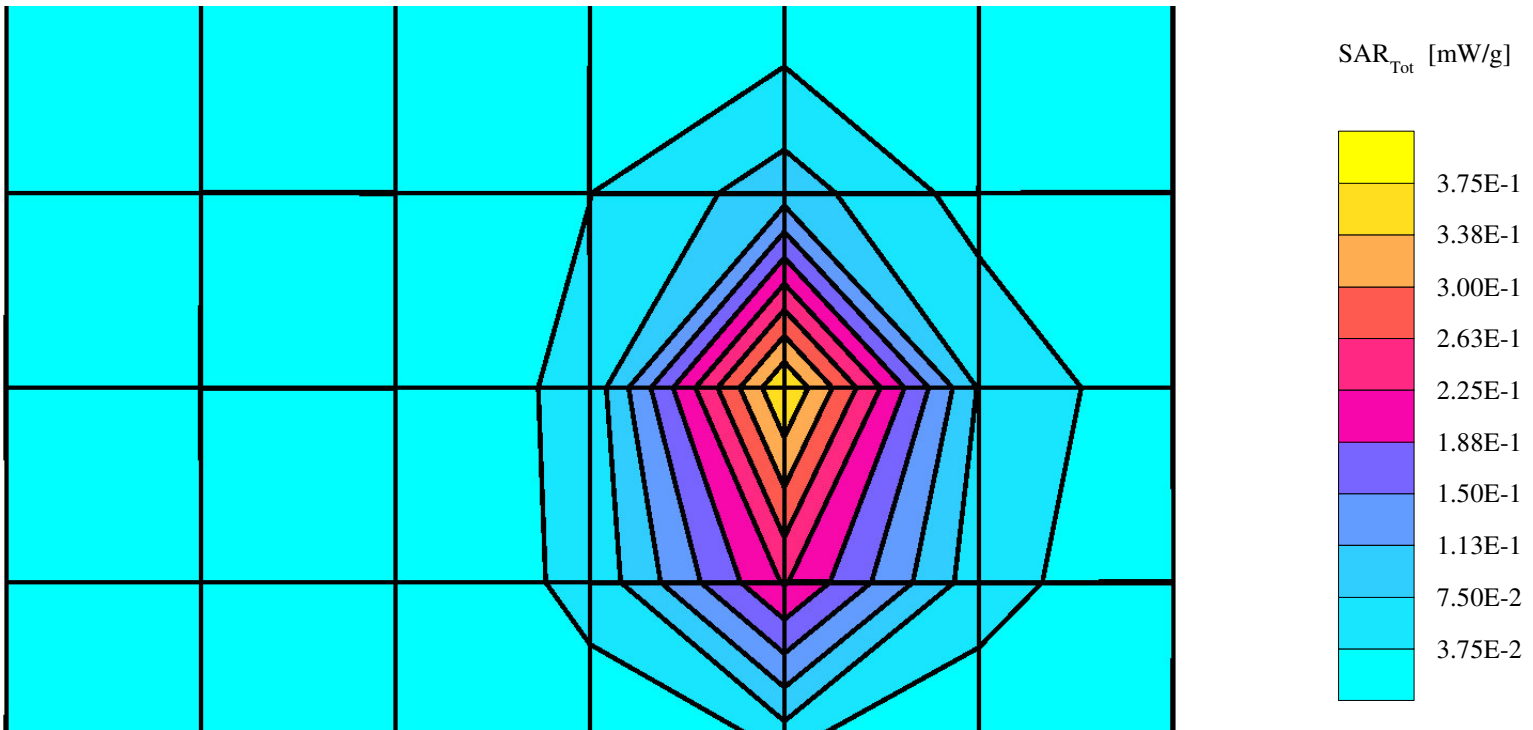
SAM Phantom; Section; Position: ; Frequency: 2412 MHz; Antenna type: Chip

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): 0.341 mW/g, SAR (10g): 0.173 mW/g, (Worst-case extrapolation)

Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0

Powerdrift: 0.03 dB



54M WLAN CardBus Adaptor (mode 2)

Bottom Face; Air temperature:24 degrees centigrade; Liquid temperature:22.6 degrees centigrade

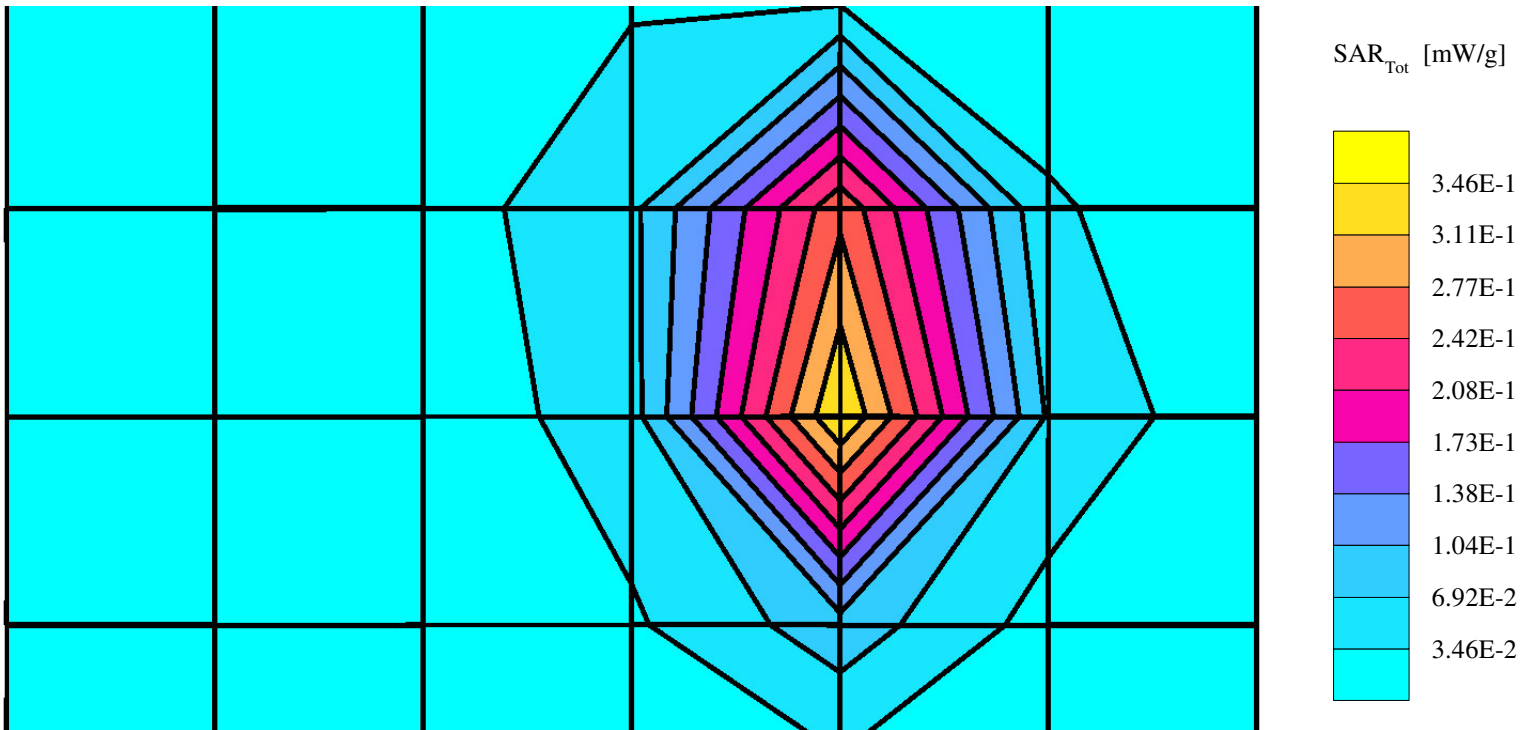
SAM Phantom; Section; Position: ; Frequency: 2437 MHz; Antenna type: Chip

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): 0.342 mW/g, SAR (10g): 0.177 mW/g, (Worst-case extrapolation)

Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0

Powerdrift: -0.02 dB



54M WLAN CardBus Adaptor (mode 2)

Bottom Face; Air temperature:24 degrees centigrade; Liquid temperature:22.6 degrees centigrade

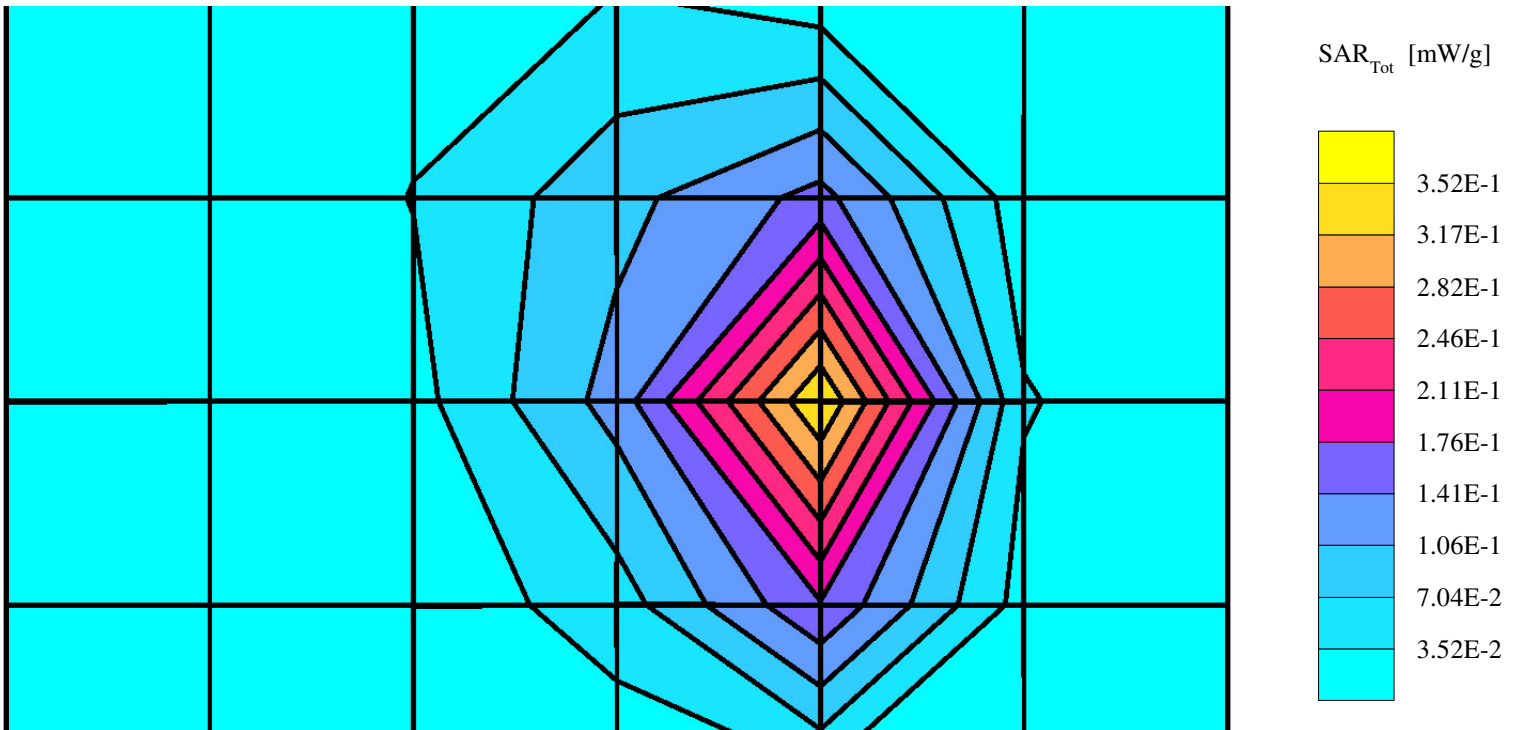
SAM Phantom; Section; Position: ; Frequency: 2462 MHz; Antenna type: Chip

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): 0.383 mW/g, SAR (10g): 0.200 mW/g, (Worst-case extrapolation)

Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0

Powerdrift: 0.09 dB



54M WLAN CardBus Adaptor (mode 3)

EUT Tip Face; Air temperature:24 degrees centigrade; Liquid temperature:22.6 degrees centigrade

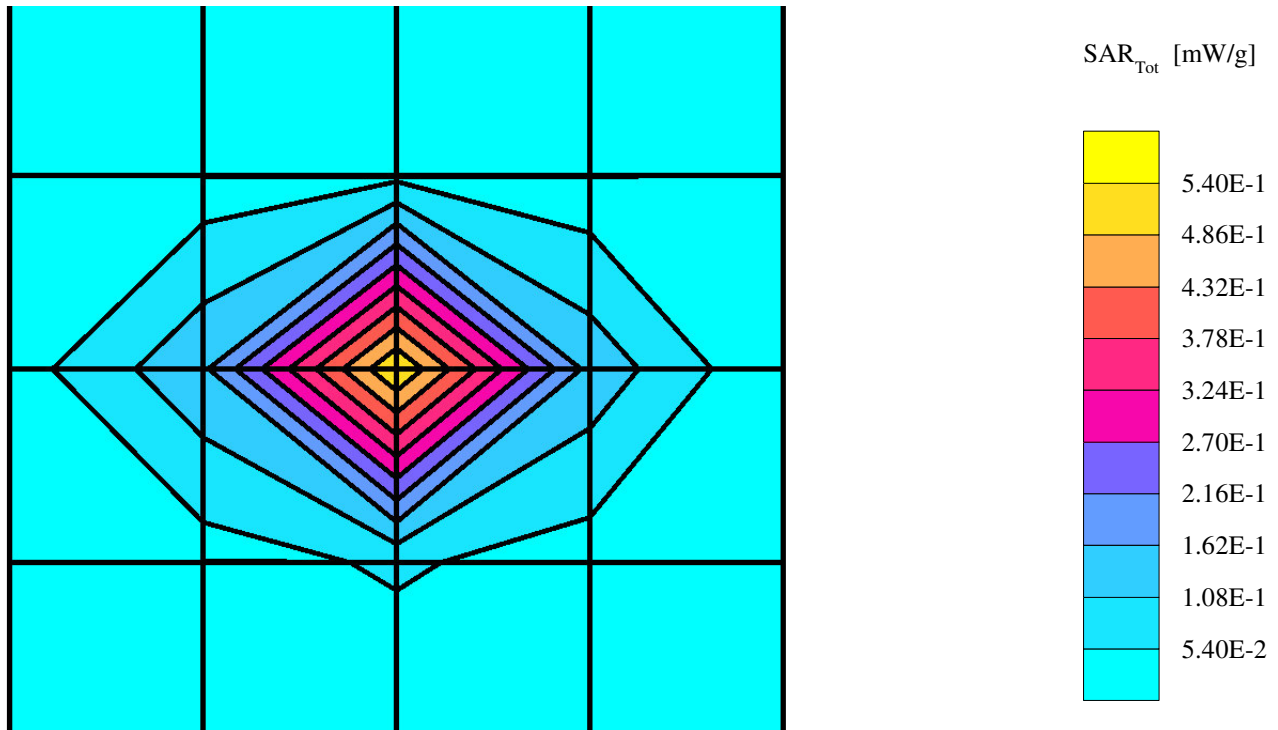
SAM Phantom; Section; Position: ; Frequency: 2412 MHz; Antenna type: Chip

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): 0.473 mW/g, SAR (10g): 0.224 mW/g, (Worst-case extrapolation)

Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0

Powerdrift: -0.13 dB



54M WLAN CardBus Adaptor (mode 3)

EUT Tip Face; Air temperature:24 degrees centigrade; Liquid temperature:22.6 degrees centigrade

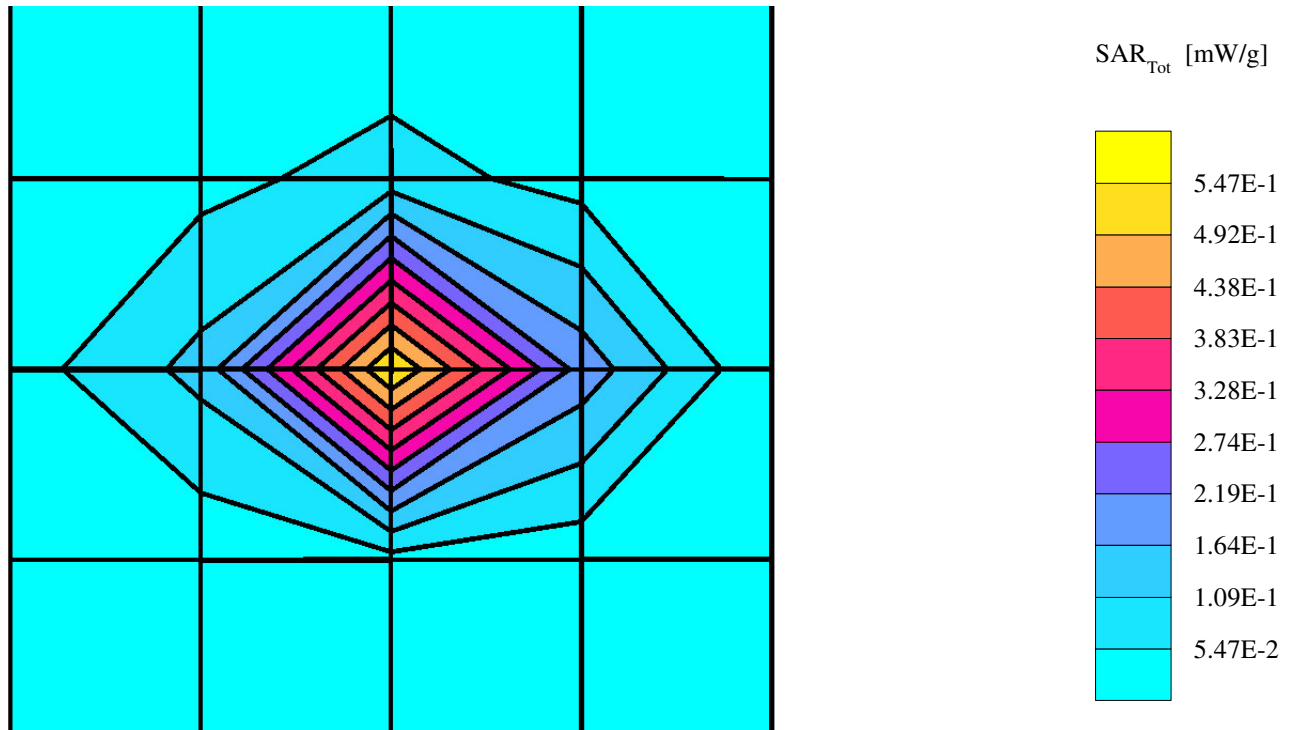
SAM Phantom; Section; Position: ; Frequency: 2437 MHz; Antenna type: Chip

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): 0.516 mW/g, SAR (10g): 0.244 mW/g, (Worst-case extrapolation)

Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0

Powerdrift: 0.10 dB



54M WLAN CardBus Adaptor (mode 3)

EUT Tip Face; Air temperature:24 degrees centigrade; Liquid temperature:22.6 degrees centigrade

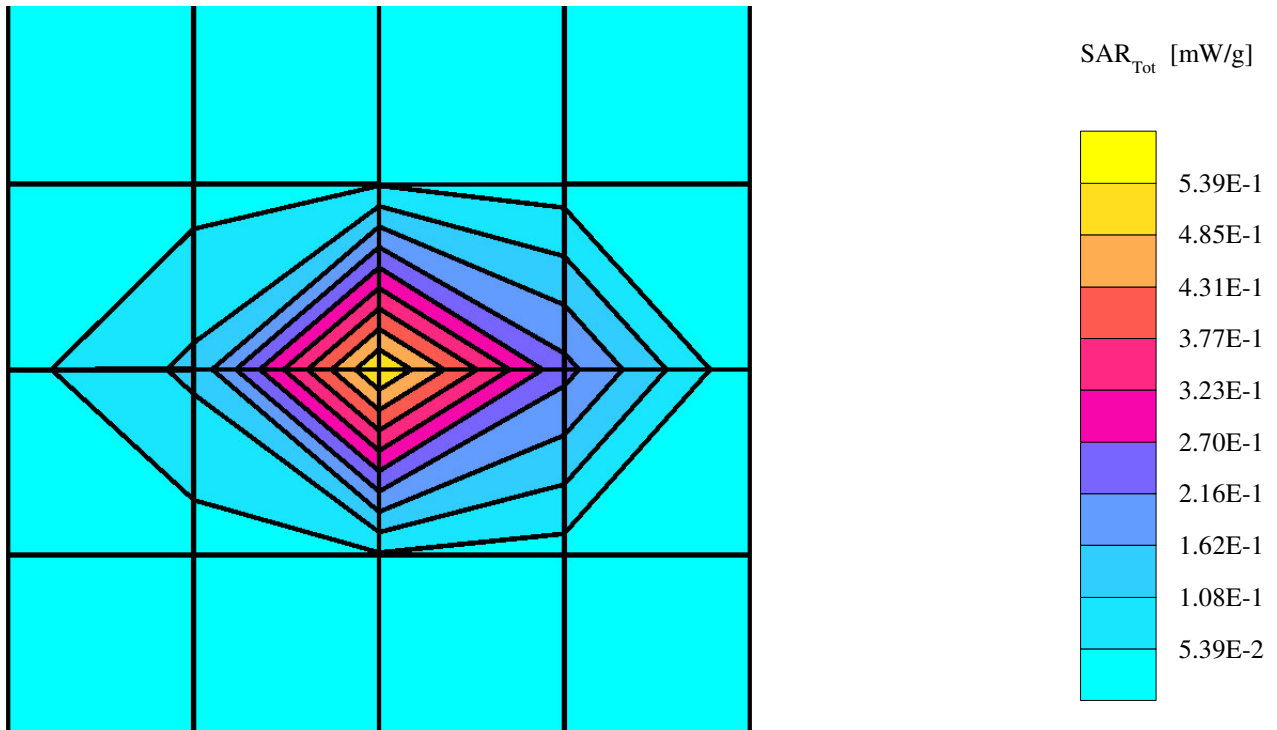
SAM Phantom; Section; Position: ; Frequency: 2462 MHz; Antenna type: Chip

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): 0.499 mW/g, SAR (10g): 0.231 mW/g, (Worst-case extrapolation)

Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0

Powerdrift: -0.05 dB



54M WLAN CardBus Adaptor

Distance=0mm; Air temperature:24 degrees centigrade; Liquid temperature:22.6 degrees centigrade

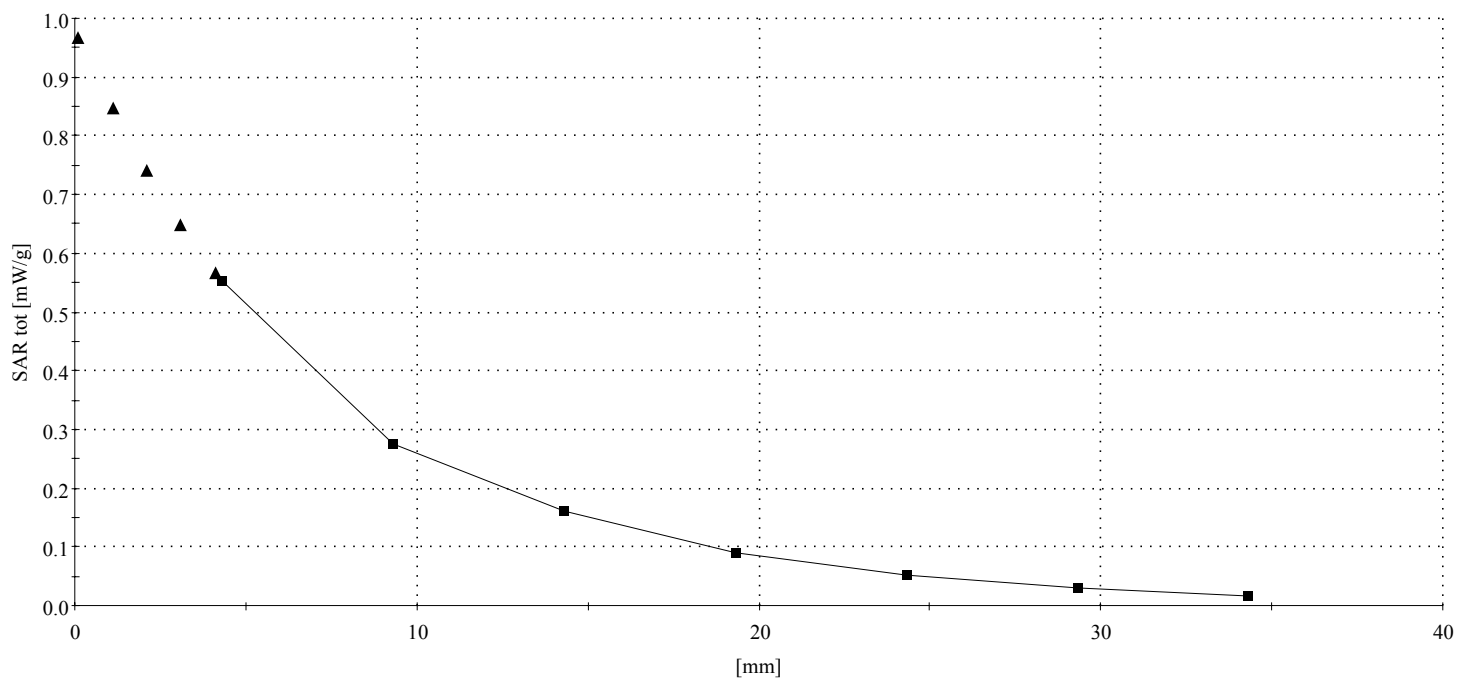
SAM Phantom; Section; Position: ; Frequency: 2437 MHz; Antenna type: Chip

Probe: ET3DV6 - SN1687; ConvF(4.40,4.40,4.40); Crest factor: 1.0; Body 2437 MHz: $\sigma = 1.95 \text{ mho/m}$ $\epsilon_r = 52.9$ $\rho = 1.00 \text{ g/cm}^3$

Cube 5x5x7: SAR (1g): 0.516 mW/g, SAR (10g): 0.244 mW/g, (Worst-case extrapolation)

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

Powerdrift: 0.10 dB





A3: VALIDATION TEST DATA

Validation Dipole D2450V2 SN:716,d=10mm

SAM; Flat; Air temperature:24 degrees centigrade; Liquid temperature:22.8 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: 5.44 mW/g ± 0.02 dB, SAR (1g): 2.73 mW/g ± 0.03 dB, SAR (10g): 1.29 mW/g ± 0.05 dB, (Worst-case extrapolation)

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

Powerdrift: 0.03 dB

