

APPENDIX 2: SAR Measurement data

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Head / 0mm / Dipole 2450MHz

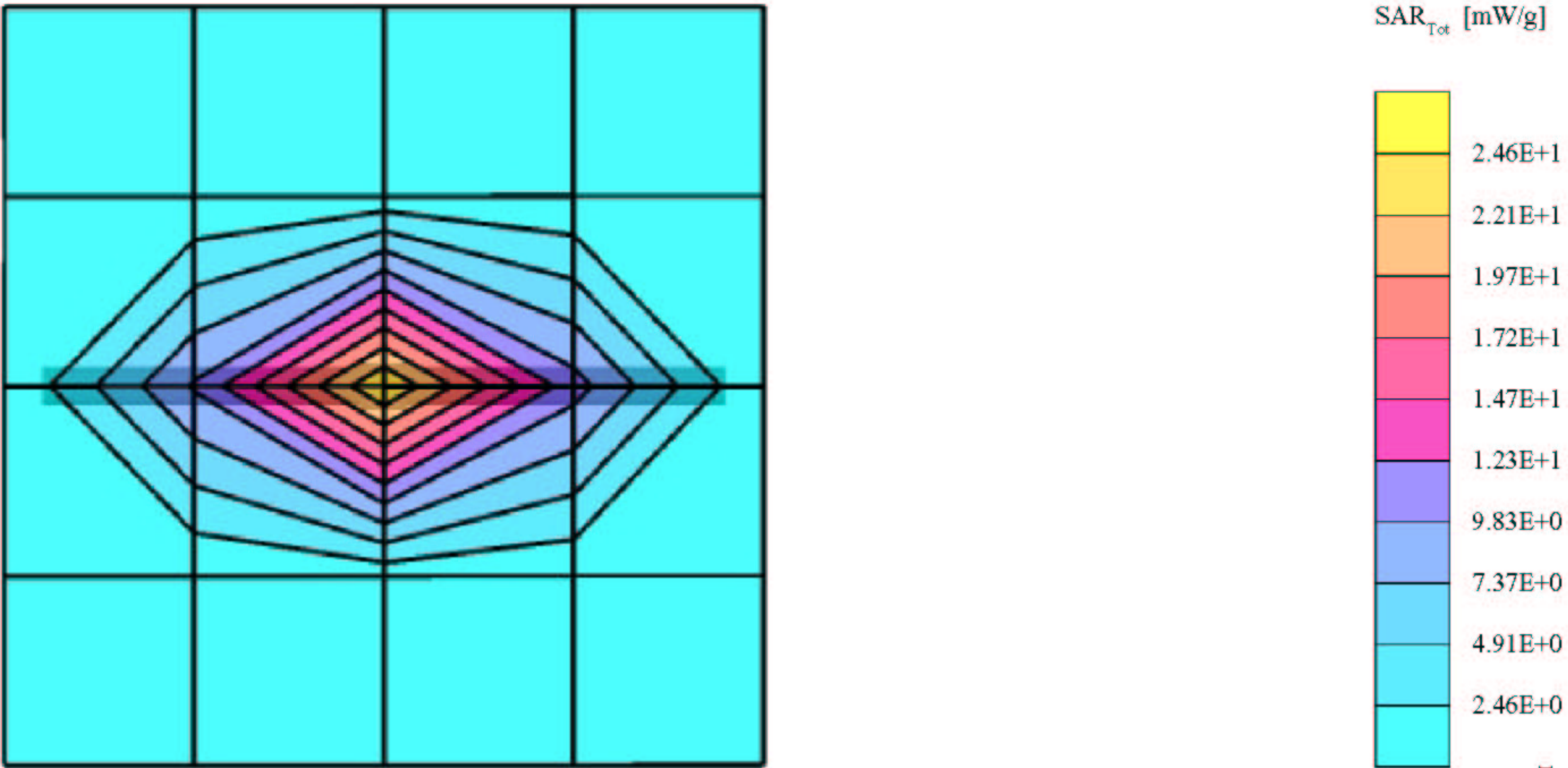
SAR (1g): 21.3 mW/g, SAR (10g): 8.80 mW/g, (Worst-case extrapolation)

Crest factor : 1.0

Medium : Head 2450 MHz}; $\sigma = 1.87$ mho/m $\epsilon_r = 35.5$ $\rho = 1.00$ g/cm³
Phantom : SAM Flat
Probe : ET3DV6 - SN1684; ConvF(4.90,4.90,4.90));

Peak: 49.2 mW/g
Penetration depth: 5.3 (5.1, 6.1) [mm]
Powerdrift: -0.02 dB

Forward Conducted Power / 250mW
Ambient Temperature / 24.5 degree.C
Liquid Temperature / Before 23.6 degree.C /After 23.6 degree.C



Head / 5mm / Dipole 2450MHz

SAR (1g): 16.5 mW/g, SAR (10g): 7.32 mW/g, (Worst-case extrapolation)

Crest factor : 1.0

Medium : Head 2450 MHz}; $\sigma = 1.87$ mho/m $\epsilon_r = 35.5$ $\rho = 1.00$ g/cm³

Phantom : SAM Flat

Probe : ET3DV6 - SN1684; ConvF(4.90,4.90,4.90));

Peak: 35.4 mW/g

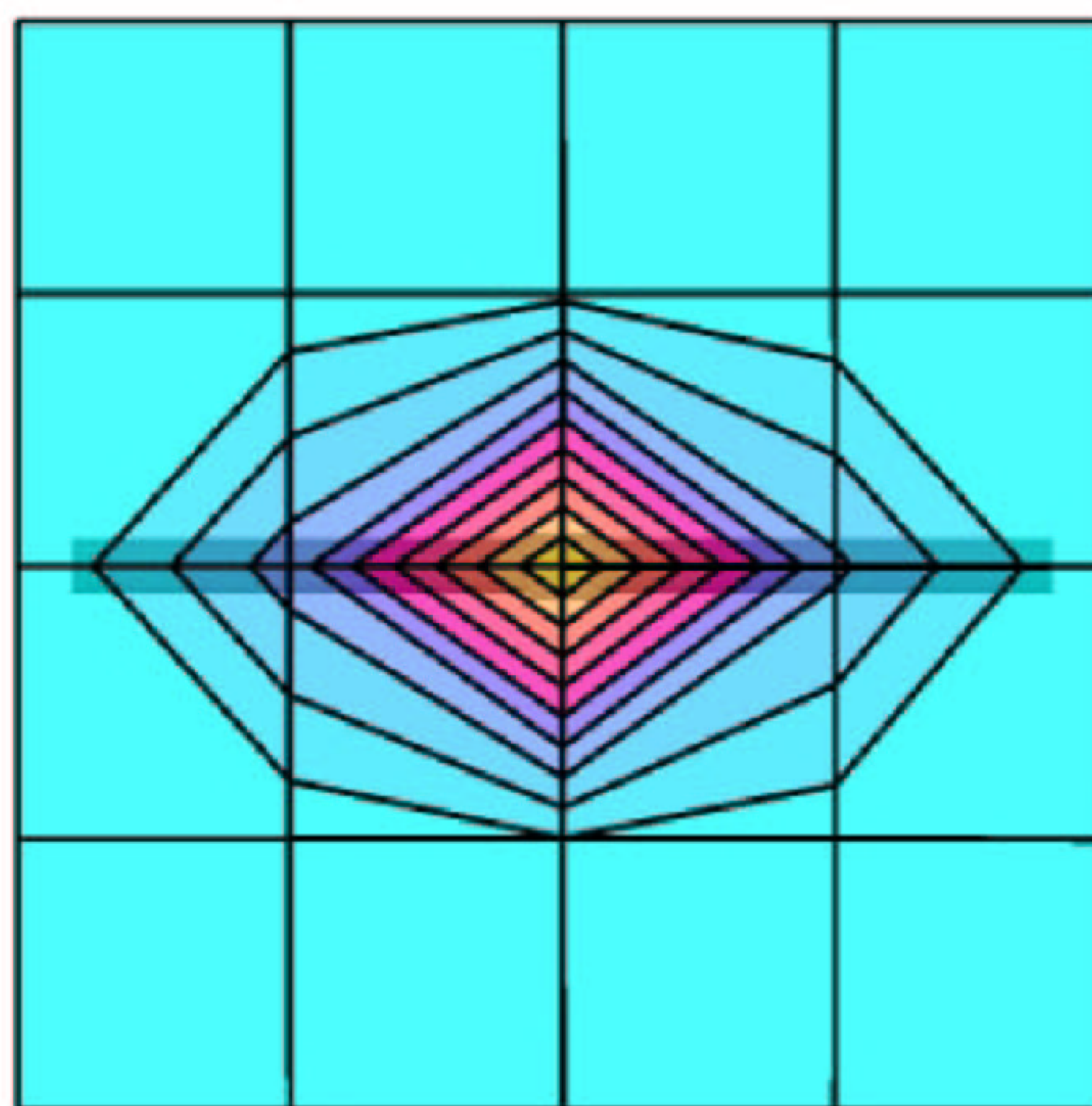
Penetration depth: 6.1 (5.9, 6.7) [mm]

Powerdrift: -0.03 dB

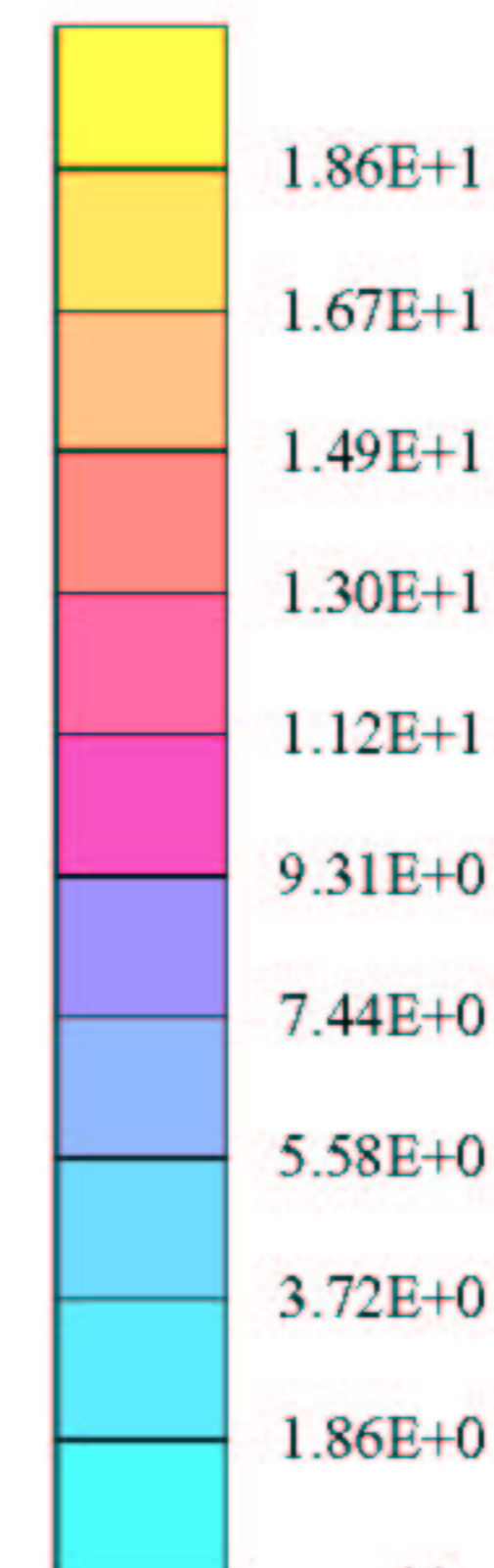
Forward Conducted Power / 250mW

Ambient Temperature / 24.5 degree.C

Liquid Temperature / Before 23.6 degree.C /After 23.5 degree.C



SAR_{Tot} [mW/g]



Head / 10mm / Dipole 2450MHz

SAR (1g): 8.03 mW/g, SAR (10g): 3.86 mW/g, (Worst-case extrapolation)

Crest factor : 1.0

Medium : Head 2450 MHz}; $\sigma = 1.87$ mho/m $\epsilon_r = 35.5$ $\rho = 1.00$ g/cm³

Phantom : SAM Flat

Probe : ET3DV6 - SN1684; ConvF(4.90,4.90,4.90));

Peak: 16.3 mW/g

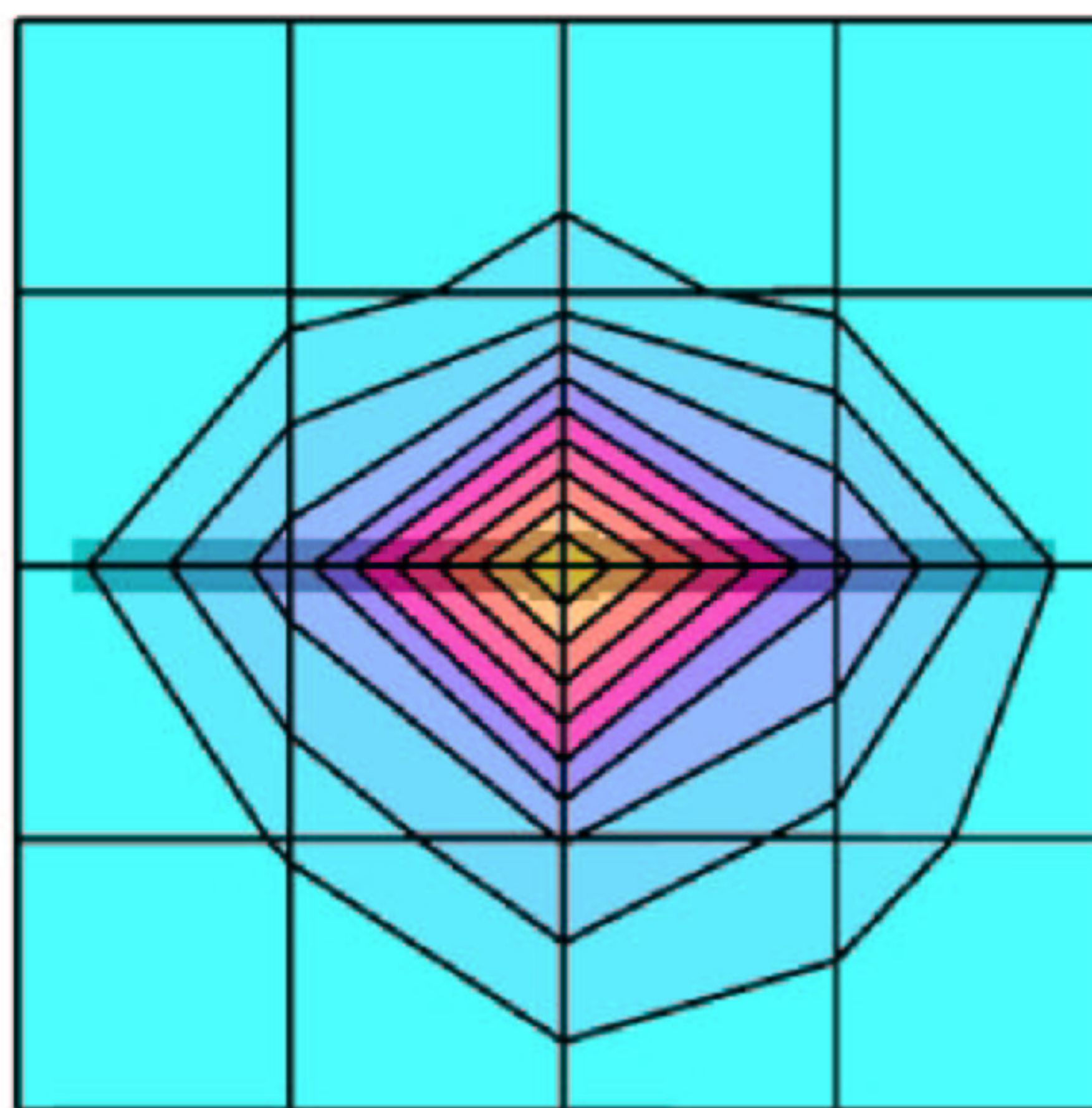
Penetration depth: 6.6 (6.3, 7.3) [mm]

Powerdrift: -0.00 dB

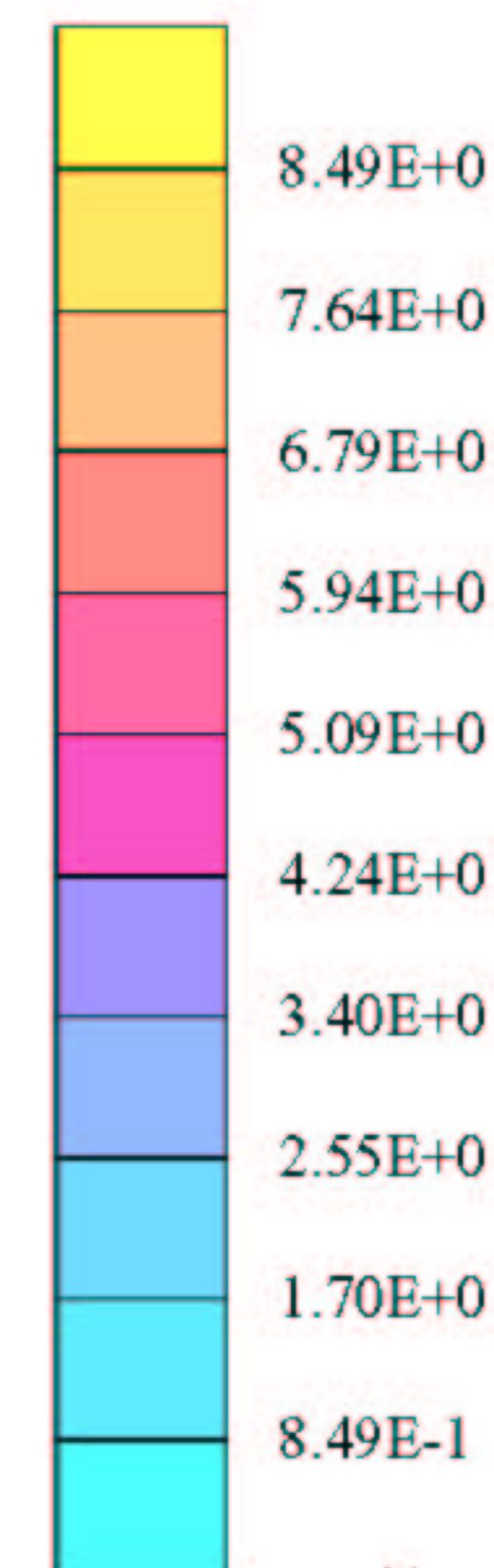
Forward Conducted Power / 250mW

Ambient Temperature / 24.5 degree.C

Liquid Temperature / Before 23.6 degree.C /After 23.6 degree.C



SAR_{Tot} [mW/g]



Head / 15mm / Dipole 2450MHz

SAR (1g): 4.05 mW/g, SAR (10g): 2.03 mW/g, (Worst-case extrapolation)

Crest factor : 1.0

Medium : Head 2450 MHz}; $\sigma = 1.87$ mho/m $\epsilon_r = 35.5$ $\rho = 1.00$ g/cm³

Phantom : SAM Flat

Probe : ET3DV6 - SN1684; ConvF(4.90,4.90,4.90));

Peak: 8.07 mW/g

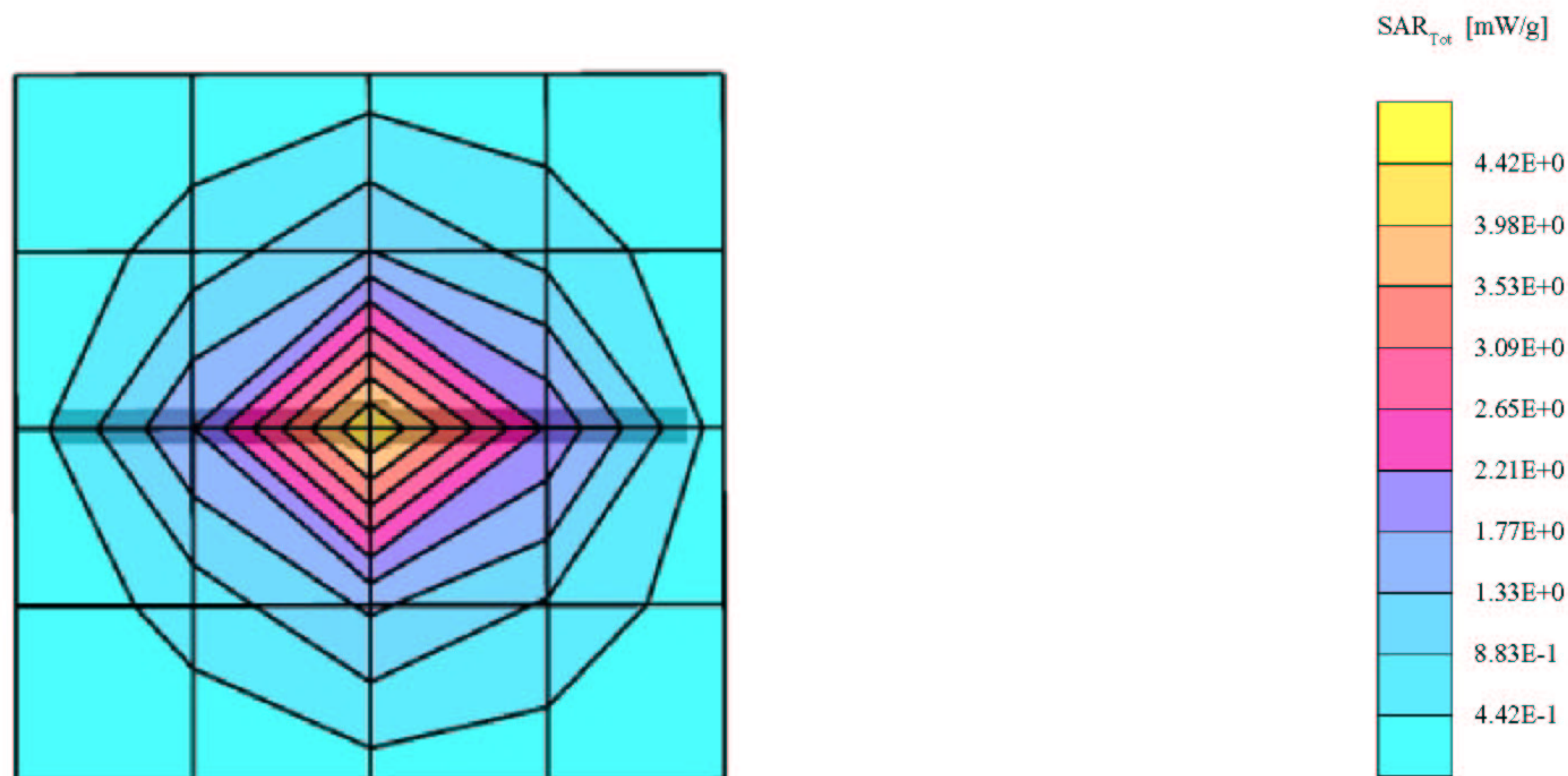
Penetration depth: 6.8 (6.5, 7.6) [mm]

Powerdrift: -0.03 dB

Forward Conducted Power / 250mW

Ambient Temperature / 24.5 degree.C

Liquid Temperature / Before 23.6 degree.C /After 23.6 degree.C



Head / 20mm / Dipole 2450MHz

SAR (1g): 2.16 mW/g, SAR (10g): 1.13 mW/g, (Worst-case extrapolation)

Crest factor : 1.0

Medium : Head 2450 MHz}; $\sigma = 1.87$ mho/m $\epsilon_r = 35.5$ $\rho = 1.00$ g/cm³

Phantom : SAM Flat

Probe : ET3DV6 - SN1684; ConvF(4.90,4.90,4.90));

Peak: 4.21 mW/g

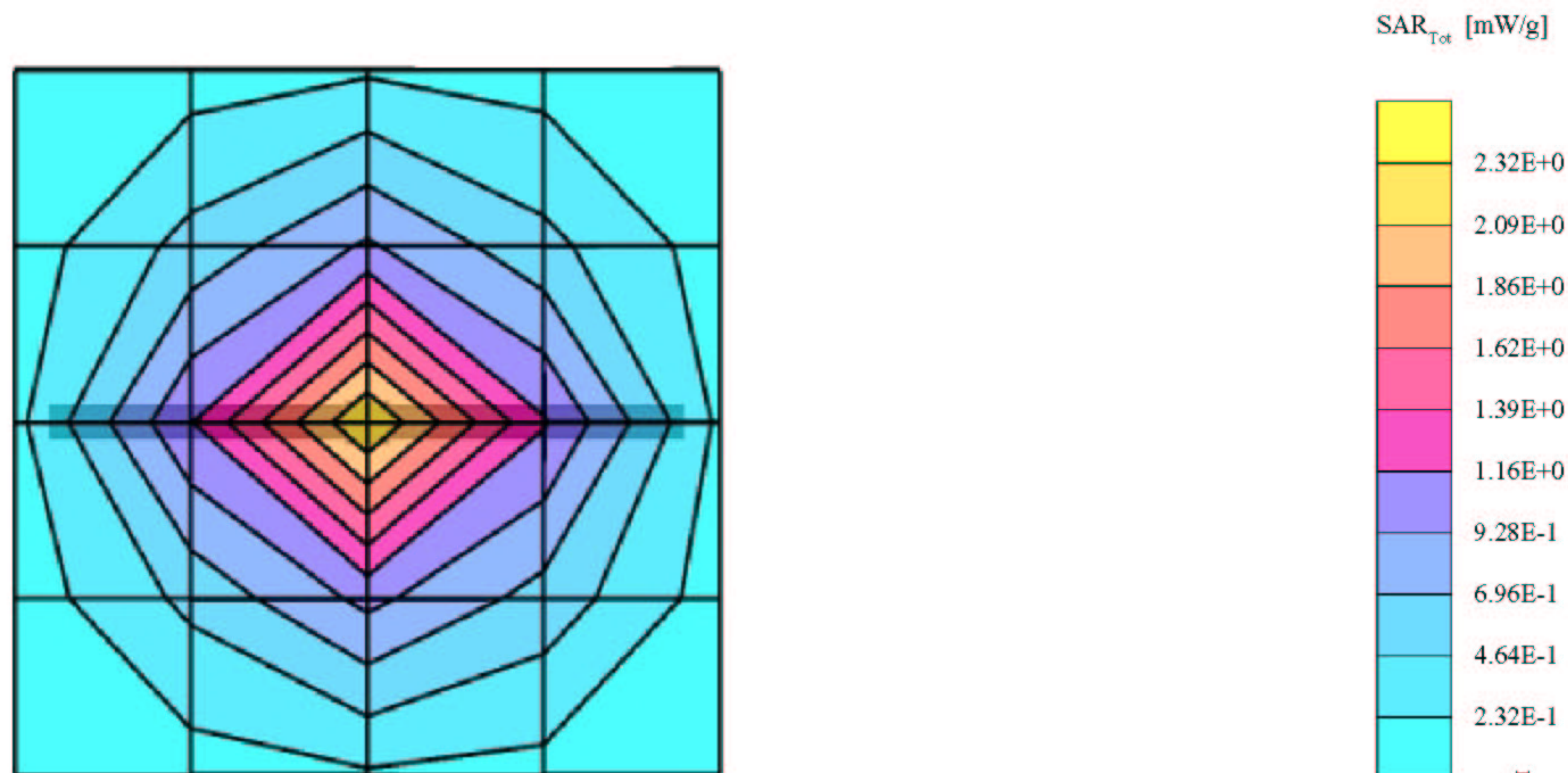
Penetration depth: 7.0 (6.7, 7.8) [mm]

Powerdrift: 0.02 dB

Forward Conducted Power / 250mW

Ambient Temperature / 24.5 degree.C

Liquid Temperature / Before 23.6 degree.C /After 23.7 degree.C



Head / 25mm / Dipole 2450MHz

SAR (1g): 1.27 mW/g, SAR (10g): 0.684 mW/g, (Worst-case extrapolation)

Crest factor : 1.0

Medium : Head 2450 MHz}; $\sigma = 1.87$ mho/m $\epsilon_r = 35.5$ $\rho = 1.00$ g/cm³

Phantom : SAM Flat

Probe : ET3DV6 - SN1684; ConvF(4.90,4.90,4.90));

Peak: 2.42 mW/g

Penetration depth: 7.2 (6.9, 8.0) [mm]

Powerdrift: -0.04 dB

Forward Conducted Power / 250mW

Ambient Temperature / 24.5 degree.C

Liquid Temperature / Before 23.8 degree.C /After 23.8 degree.C

