

# Body / 0mm / Dipole 2450MHz

SAR (1g): 21.3 mW/g, SAR (10g): 9.13 mW/g, (Worst-case extrapolation)

Crest factor : 1.0

Medium : Body 2450 MHz:  $\sigma = 2.02$  mho/m  $\epsilon_r = 48.6$   $\rho = 1.00$  g/cm<sup>3</sup>

Phantom : SAM Flat

Probe : ET3DV6 - SN1684; ConvF(4.40,4.40,4.40));

Peak: 48.1 mW/g

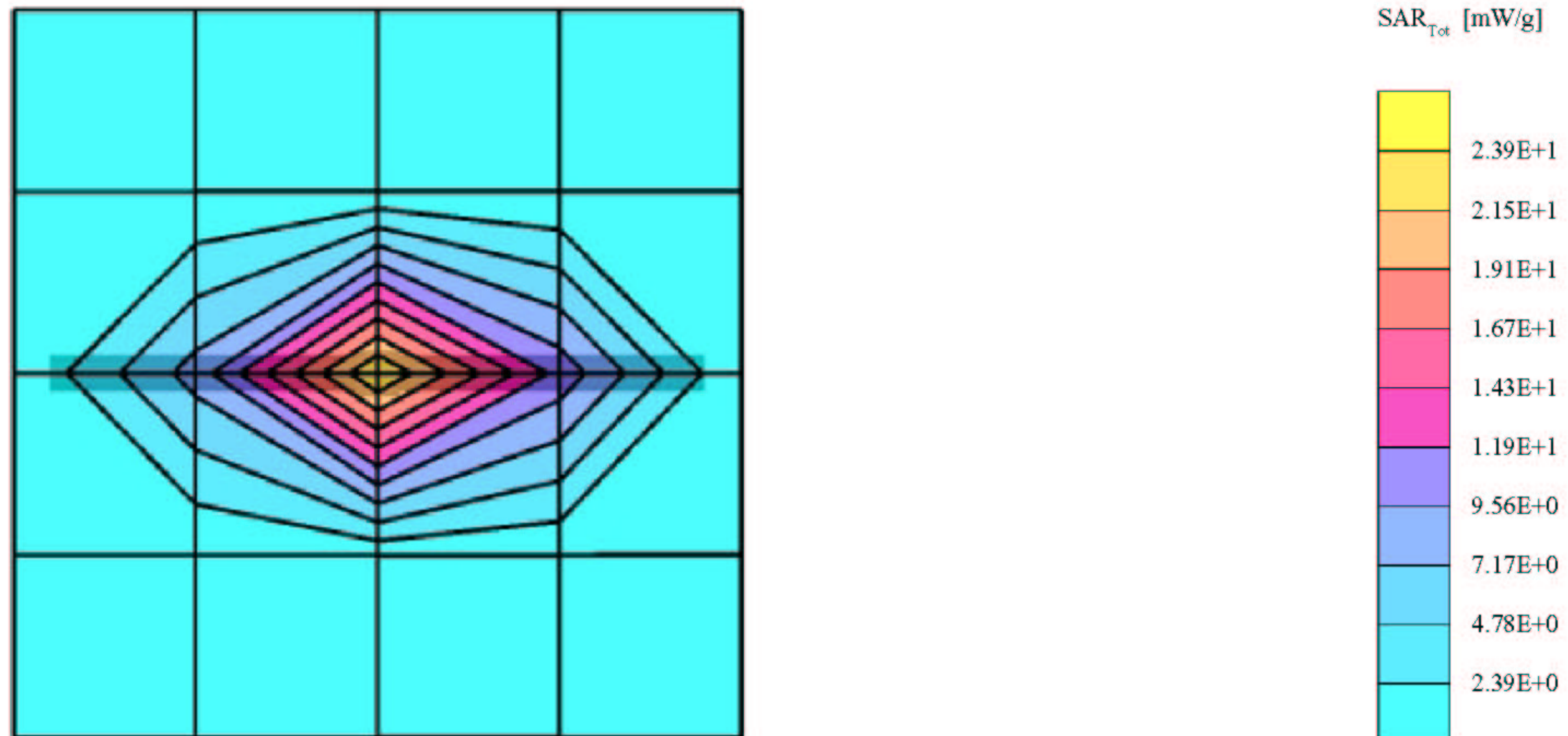
Penetration depth: 5.8 (5.5, 6.9) [mm]

Powerdrift: -0.05 dB

Forward Conducted Power / 250mW

Ambient Temperature / 23.8 degree.C

Liquid Temperature / Before 22.8 degree.C /After 22.8 degree.C



## Body / 5mm / Dipole 2450MHz

SAR (1g): 15.9 mW/g, SAR (10g): 7.32 mW/g, (Worst-case extrapolation)

Crest factor : 1.0

Medium : Body 2450 MHz:  $\sigma = 2.02$  mho/m  $\epsilon_r = 48.6$   $\rho = 1.00$  g/cm<sup>3</sup>

Phantom : SAM Flat

Probe : ET3DV6 - SN1684; ConvF(4.40,4.40,4.40));

Peak: 32.6 mW/g

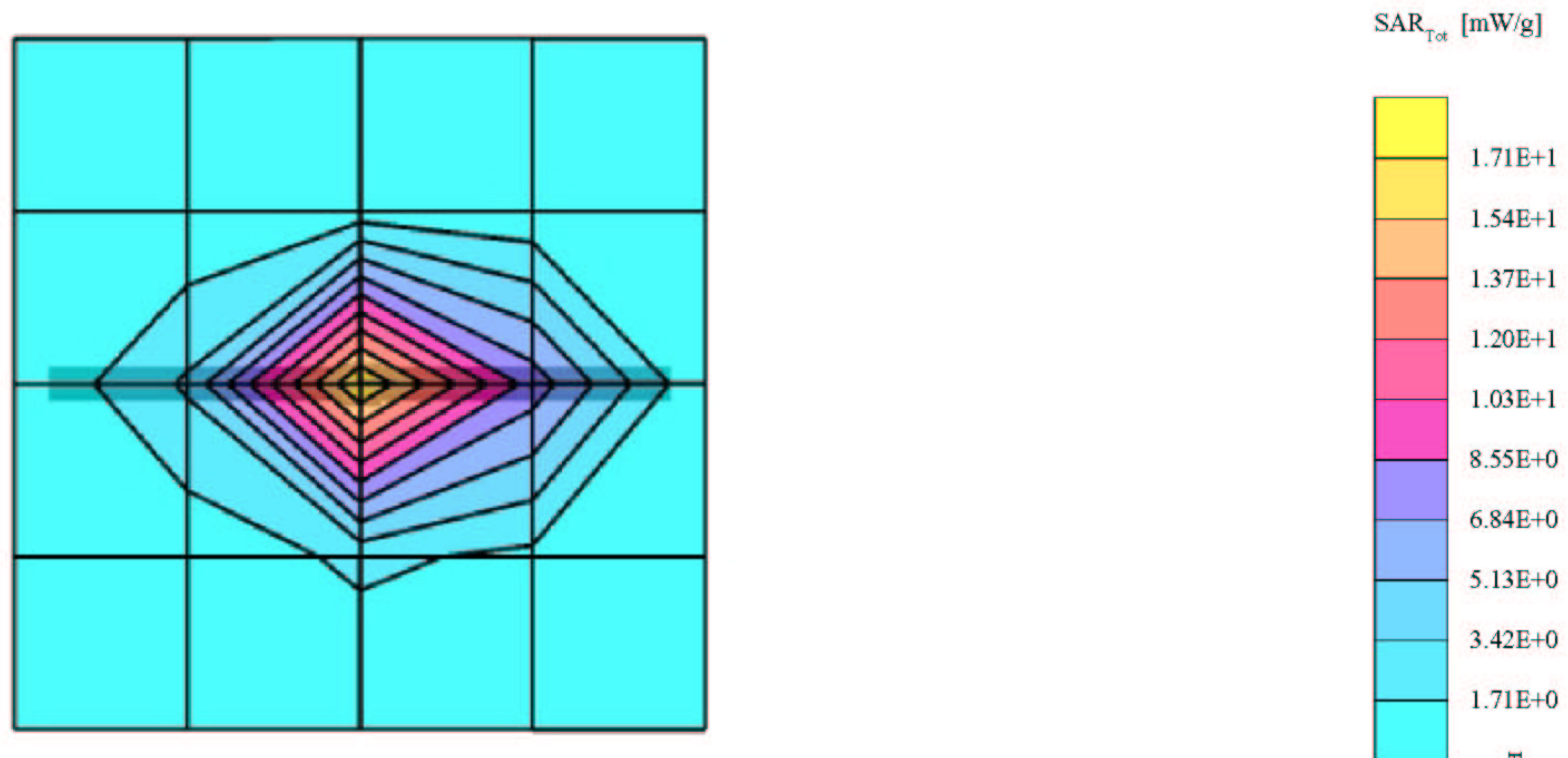
Penetration depth: 6.8 (6.5, 7.8) [mm]

Powerdrift: -0.08 dB

Forward Conducted Power / 250mW

Ambient Temperature / 23.8 degree.C

Liquid Temperature / Before 22.8 degree.C /After 22.8 degree.C



## Body / 10mm / Dipole 2450MHz

SAR (1g): 8.05 mW/g, SAR (10g): 3.93 mW/g, (Worst-case extrapolation)

Crest factor : 1.0

Medium : Body 2450 MHz:  $\sigma = 2.02$  mho/m  $\epsilon_r = 48.6$   $\rho = 1.00$  g/cm<sup>3</sup>

Phantom : SAM Flat

Probe : ET3DV6 - SN1684; ConvF(4.40,4.40,4.40));

Peak: 16.0 mW/g

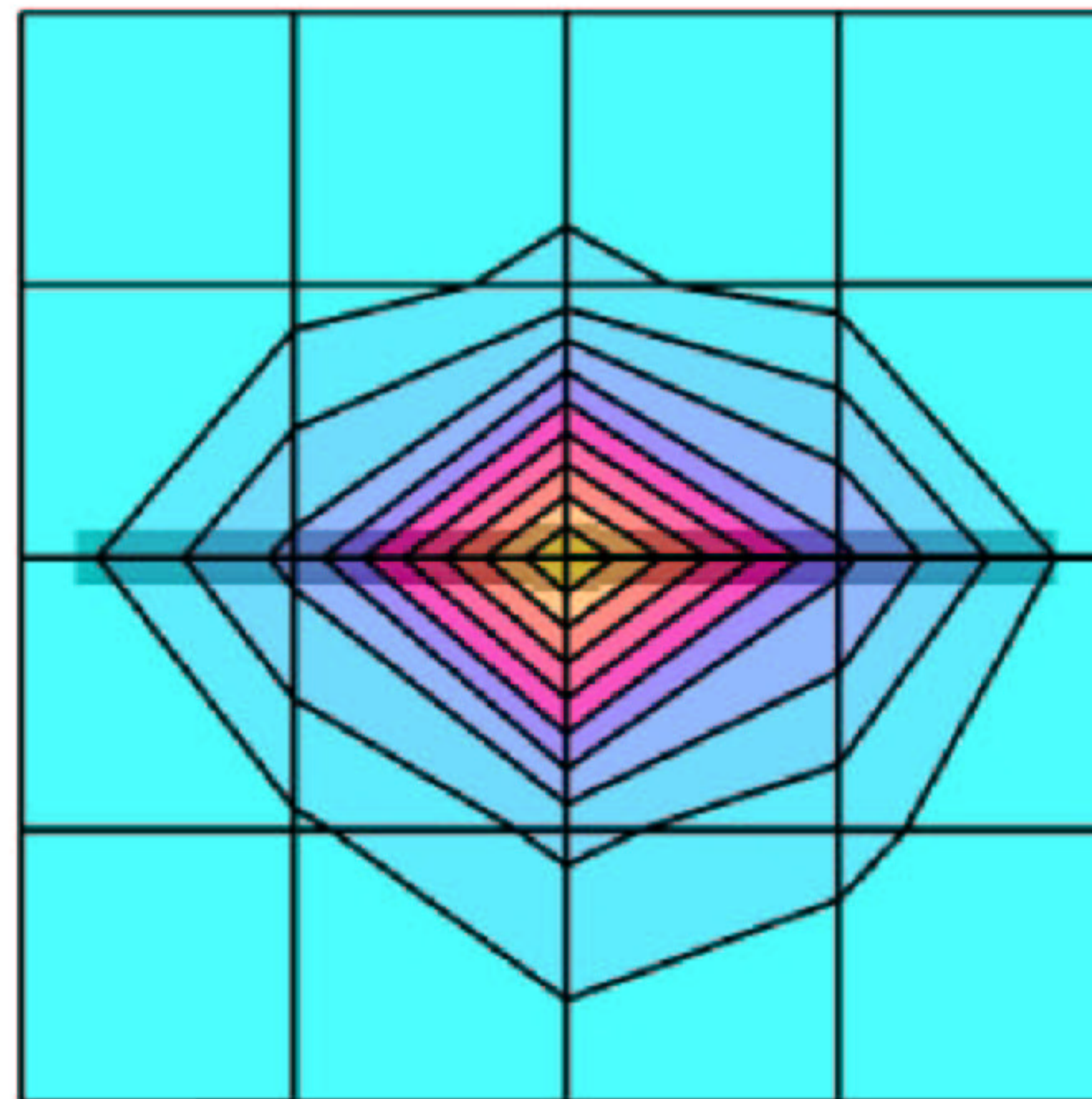
Penetration depth: 7.2 (6.8, 8.3) [mm]

Powerdrift: -0.04 dB

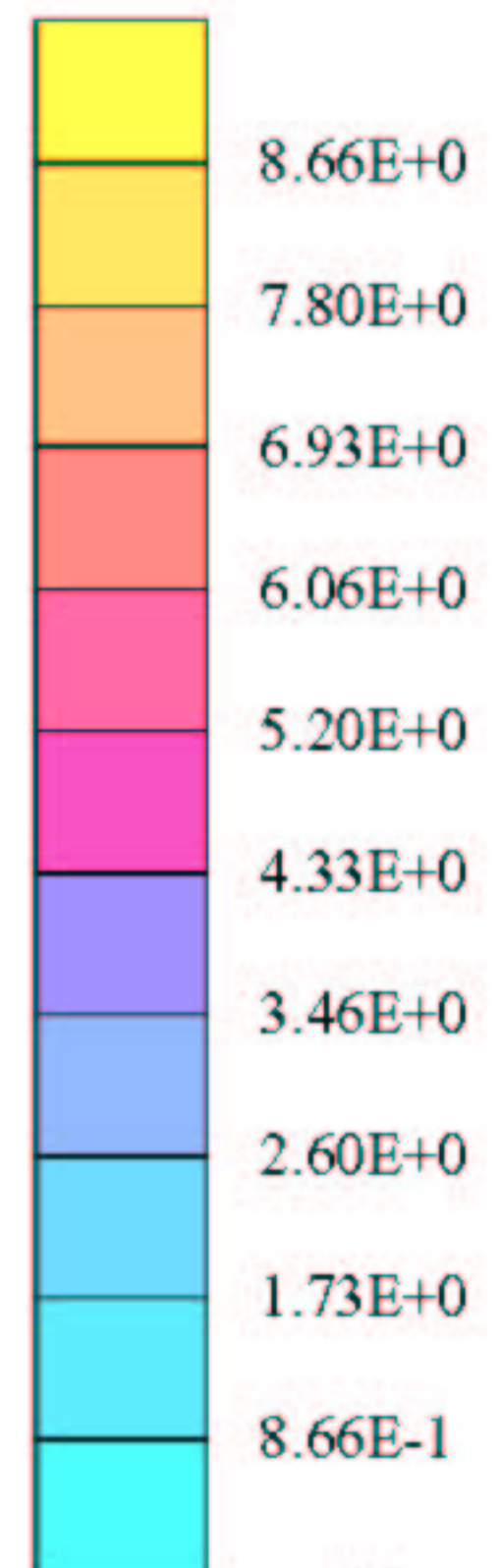
Forward Conducted Power / 250mW

Ambient Temperature / 23.8 degree.C

Liquid Temperature / Before 22.8 degree.C /After 22.8 degree.C



SAR<sub>Tot</sub> [mW/g]



## Body / 15mm / Dipole 2450MHz

SAR (1g): 3.90 mW/g, SAR (10g): 2.02 mW/g, (Worst-case extrapolation)

Crest factor : 1.0

Medium : Body 2450 MHz:  $\sigma = 2.02$  mho/m  $\epsilon_r = 48.6$   $\rho = 1.00$  g/cm<sup>3</sup>

Phantom : SAM Flat

Probe : ET3DV6 - SN1684; ConvF(4.40,4.40,4.40));

Peak: 7.53 mW/g

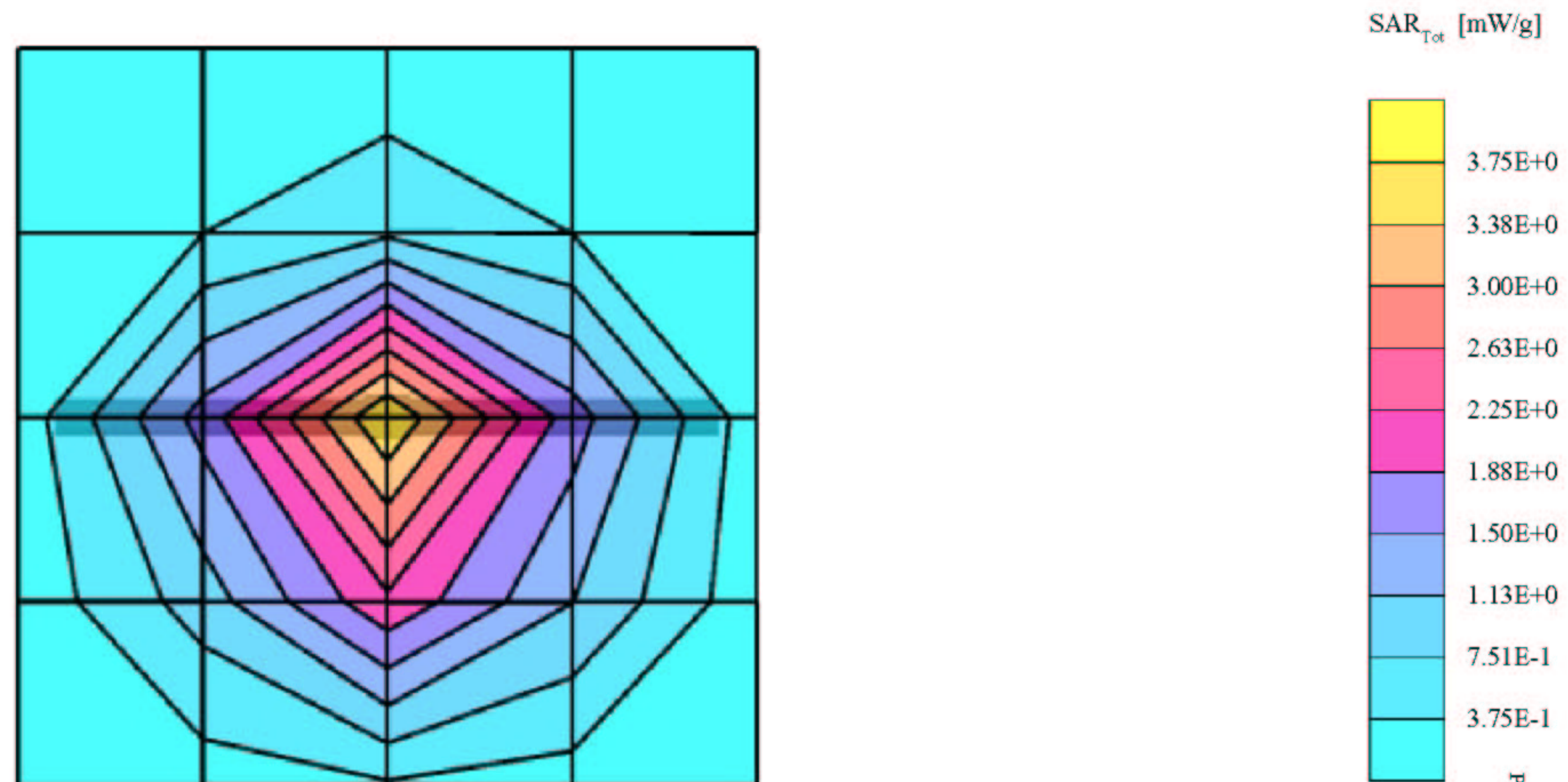
Penetration depth: 7.6 (7.0, 8.8) [mm]

Powerdrift: -0.01 dB

Forward Conducted Power / 250mW

Ambient Temperature / 23.8 degree.C

Liquid Temperature / Before 22.8 degree.C /After 22.9 degree.C



## Body / 20mm / Dipole 2450MHz

SAR (1g): 2.06 mW/g, SAR (10g): 1.10 mW/g, (Worst-case extrapolation)

Crest factor : 1.0

Medium : Body 2450 MHz:  $\sigma = 2.02$  mho/m  $\epsilon_r = 48.6$   $\rho = 1.00$  g/cm<sup>3</sup>

Phantom : SAM Flat

Probe : ET3DV6 - SN1684; ConvF(4.40,4.40,4.40));

Peak: 3.94 mW/g

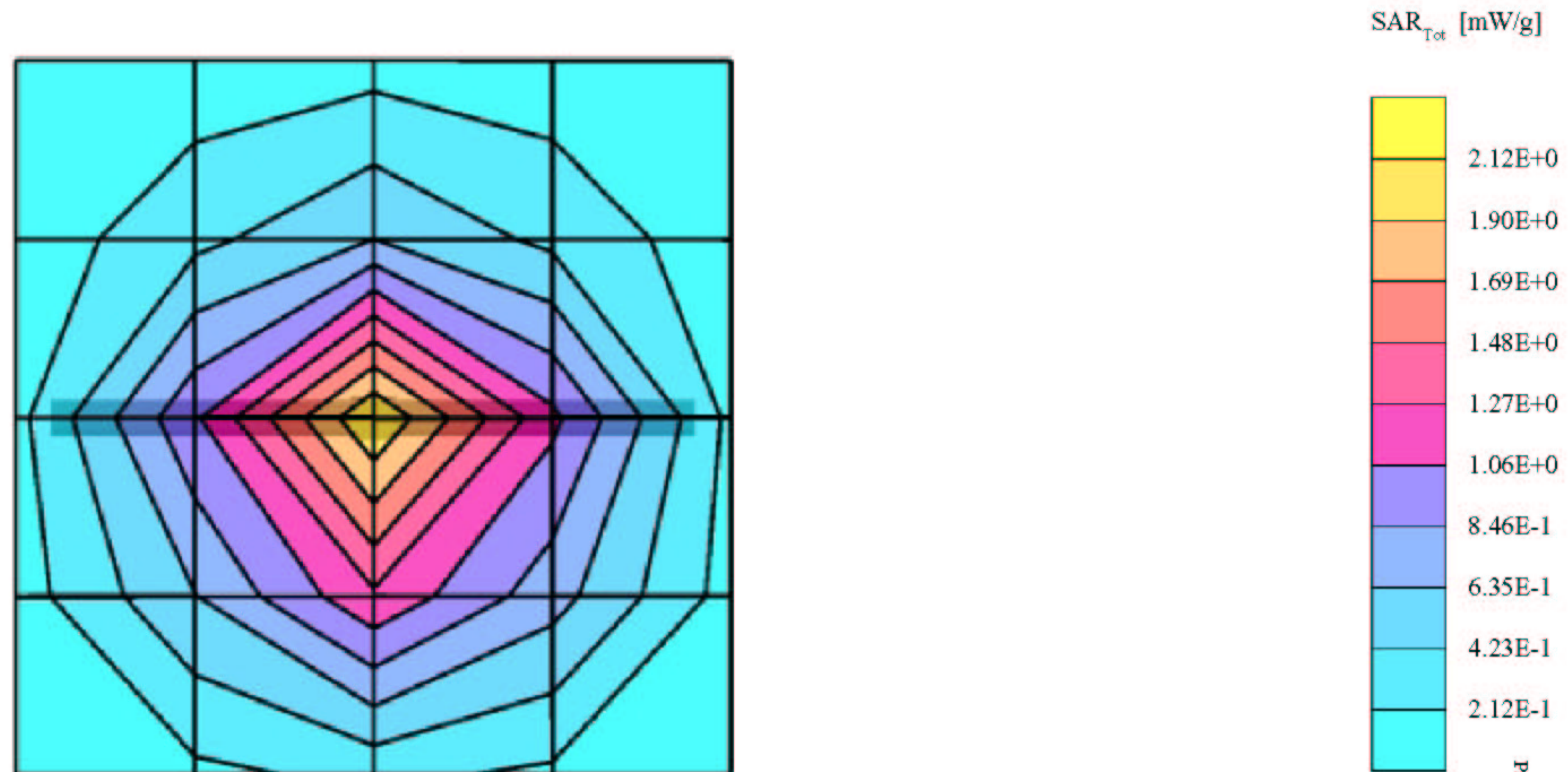
Penetration depth: 7.7 (7.1, 9.0) [mm]

Powerdrift: 0.03 dB

Forward Conducted Power / 250mW

Ambient Temperature / 23.8 degree.C

Liquid Temperature / Before 22.9 degree.C /After 23.1 degree.C



## Body / 25mm / Dipole 2450MHz

SAR (1g): 1.32 mW/g, SAR (10g): 0.720 mW/g, (Worst-case extrapolation)

Crest factor : 1.0

Medium : Body 2450 MHz:  $\sigma = 2.02$  mho/m  $\epsilon_r = 48.6$   $\rho = 1.00$  g/cm<sup>3</sup>

Phantom : SAM Flat

Probe : ET3DV6 - SN1684; ConvF(4.40,4.40,4.40));

Peak: 2.49 mW/g

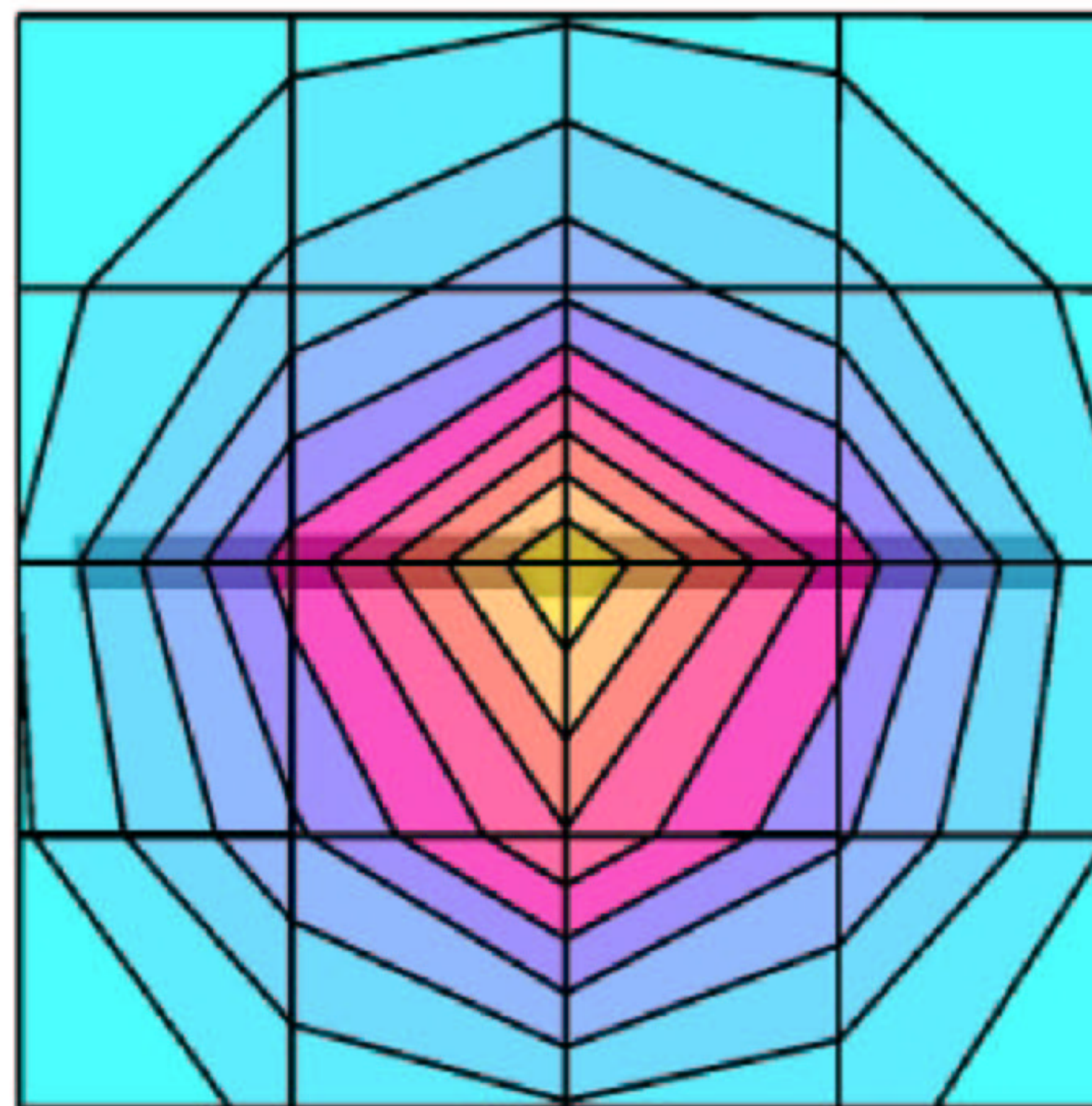
Penetration depth: 7.7 (7.1, 9.0) [mm]

Powerdrift: -0.04 dB

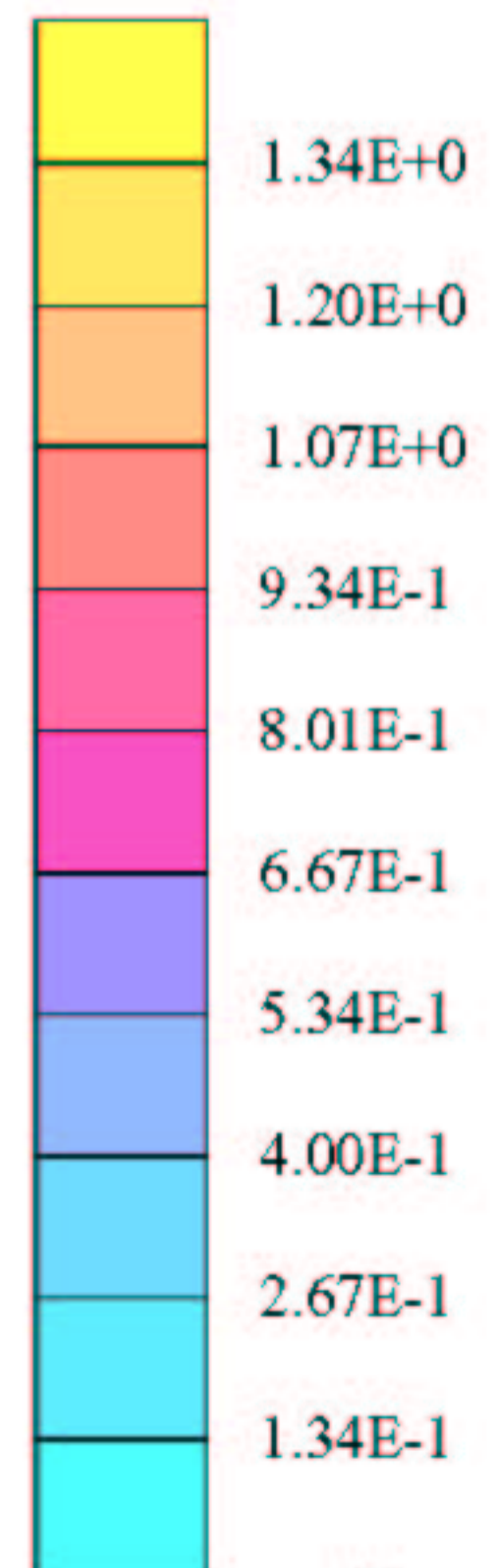
Forward Conducted Power / 250mW

Ambient Temperature / 23.8 degree.C

Liquid Temperature / Before 23.0 degree.C /After 22.8 degree.C



SAR<sub>Tot</sub> [mW/g]



**APPENDIX 3: Validation Measurement data**

## System Validation / Dipole 2450MHz

SAR (1g): 13.8 mW/g  $\pm$  0.02 dB, SAR (10g): 6.27 mW/g  $\pm$  0.03 dB, (Worst-case extrapolation)

Crest factor : 1.0

Medium : Head 2450 MHz};  $\sigma = 1.87$  mho/m  $\epsilon_r = 35.5$   $\rho = 1.00$  g/cm<sup>3</sup>

Phantom : SAM Flat

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

Cubes (2)

Peak: 29.1 mW/g  $\pm$  0.01 dB

Penetration depth: 6.3 (6.0, 6.9) [mm]

Powerdrift: -0.04 dB

Forward Conducted Power / 250mW

Ambient Temperature / 24.5 degree.C

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

