

WLL-CA50 / Body / Side 13cm of Antenna / QPSK / 2438MHz

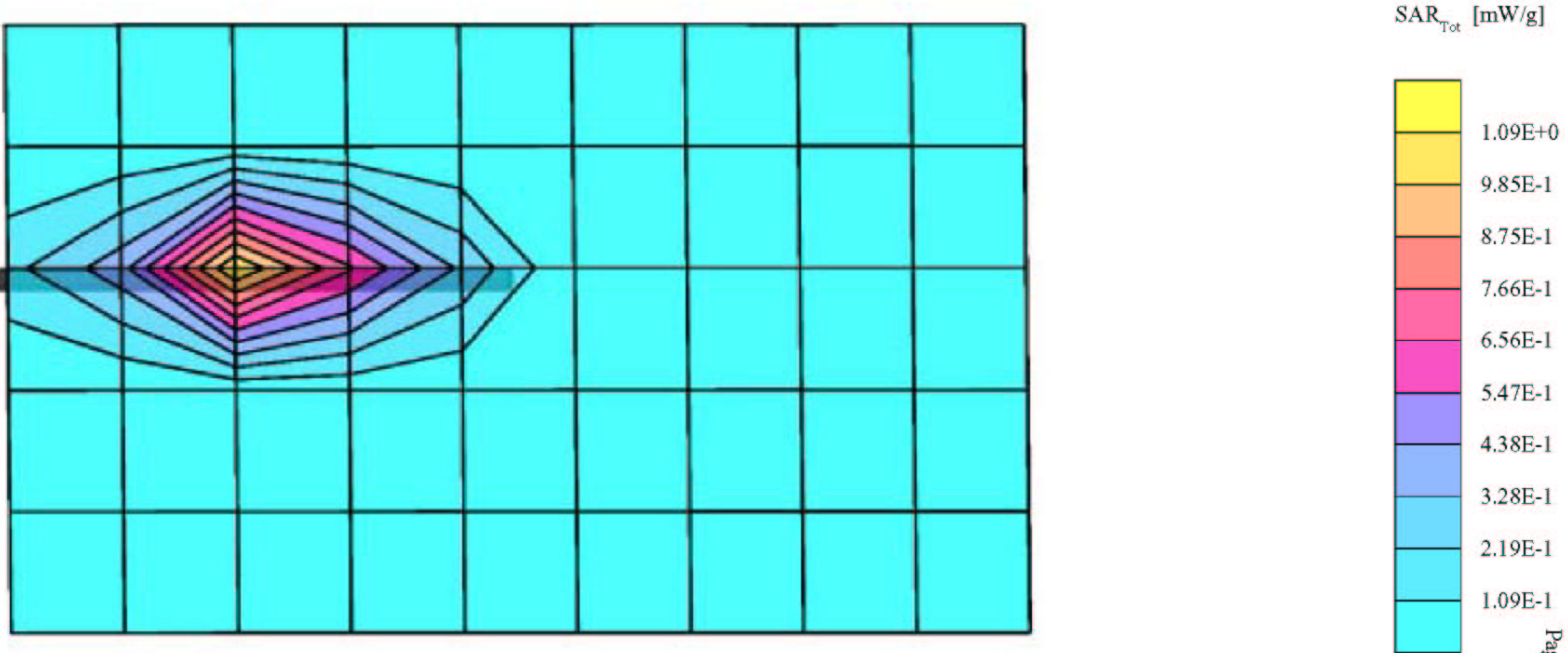
SAR (1g): 0.974 mW/g :Worst-case extrapolation
SAR (10g): 0.400 mW/g :Worst-case extrapolation

Crest factor : 1.0

Medium : Body 2450 MHz: $\sigma = 2.01 \text{ mho/m}$ $\epsilon_r = 50.9$ $\rho = 1.00 \text{ g/cm}^3$
Phantom : SAM Flat
Probe : ET3DV6 - SN1684 ; ConvF(4.40,4.40,4.40)

Cube 5x5x7
Peak: 2.16 mW/g
Penetration depth: 6.1 (5.8, 7.2) [mm]

Ambient Temperature / 23.4 degree.c
Liquid Temperature /Before 22.3 degree.c /After 22.3 degree.c



WLL-CA50 / Body / Side 5cm of Antenna / QPSK / 2438MHz

SAR (1g): 0.966 mW/g :Worst-case extrapolation
SAR (10g): 0.419 mW/g :Worst-case extrapolation

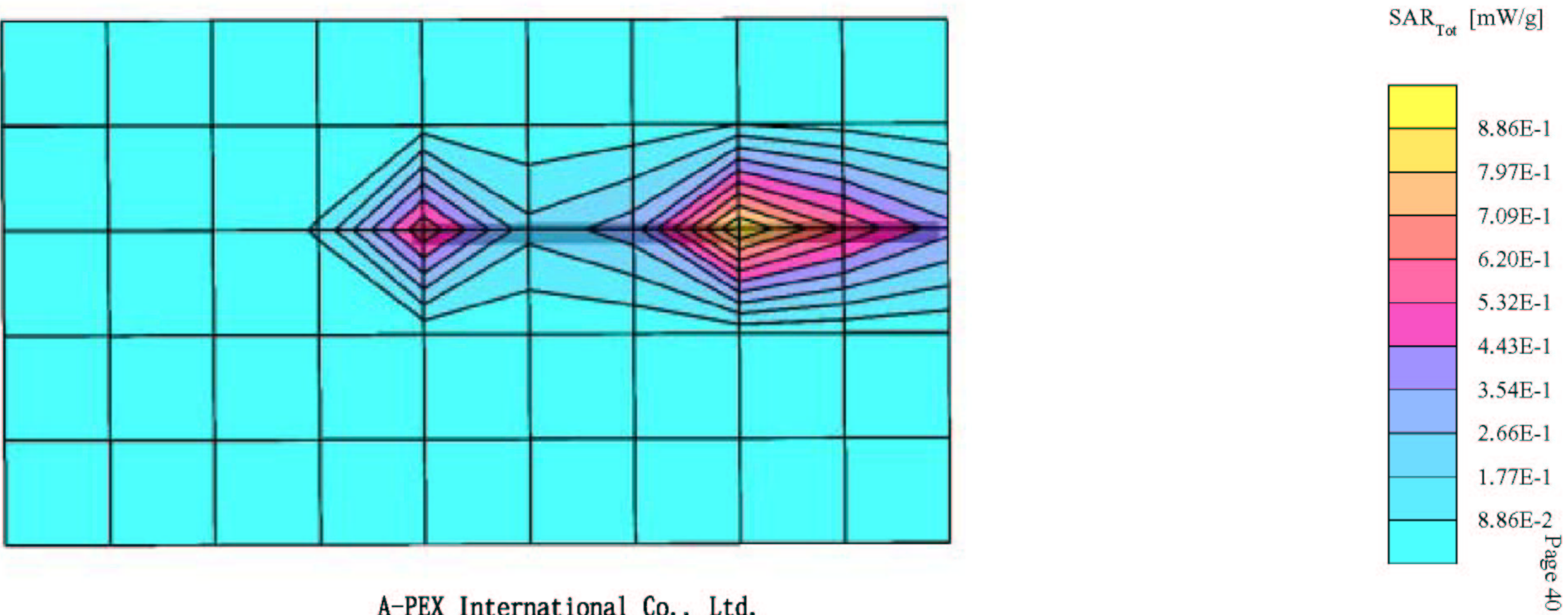
Crest factor : 1.0

Medium : Body 2450 MHz: $\sigma = 2.01 \text{ mho/m}$ $\epsilon_r = 50.9$ $\rho = 1.00 \text{ g/cm}^3$
Phantom : SAM Flat
Probe : ET3DV6 - SN1684 ; ConvF(4.40, 4.40, 4.40)

Cube 5x5x7
Peak: 1.99 mW/g
Penetration depth: 7.1 (6.8, 7.9) [mm]

Ambient Temperature / 23.4 degree.c
Liquid Temperature /Before 22.3 degree.c /After 22.3 degree.c

This data is measurement on the side of the antenna tip part.
Becasue, it wasn't measured in "side 13cm of antenna " position.
An antenna tip part is the second peak as a result.



WLL-CA50 / Body / Side 30cm of Antenna / QPSK / 2438MHz

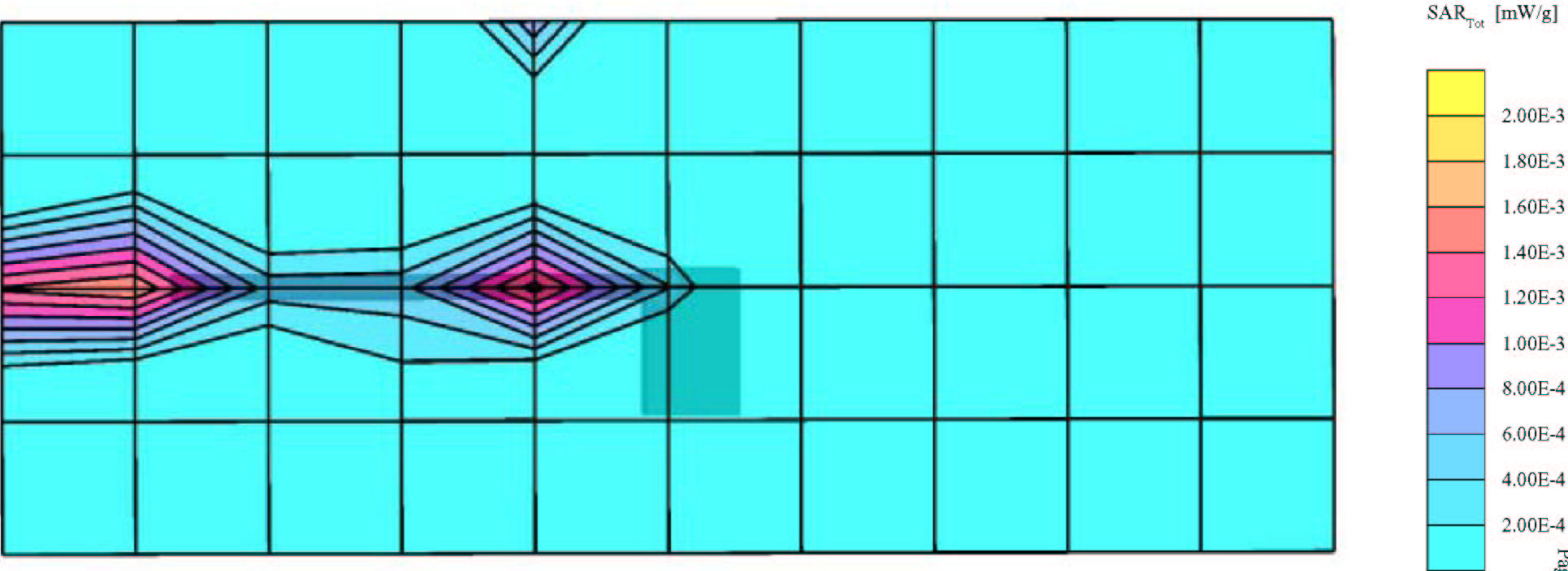
SAR (1g): 0.0017 mW/g :Worst-case extrapolation
SAR (10g): -0.00 mW/g :Worst-case extrapolation

Crest factor : 1.0

Medium : Body 2450 MHz: $\sigma = 2.01 \text{ mho/m}$ $\epsilon_r = 50.9$ $\rho = 1.00 \text{ g/cm}^3$
Phantom : SAM Flat
Probe : ET3DV6 - SN1684 ; ConvF(4.40,4.40,4.40)

Cube 5x5x7
Peak: 0.0065 mW/g
Penetration depth: 3.6 (0.2, 10.4) [mm]

Ambient Temperature / 23.4 degree.c
Liquid Temperature /Before 22.3 degree.c /After 22.3 degree.c



WLL-CA50 / Body / Top of Antenna / QPSK / 2438MHz

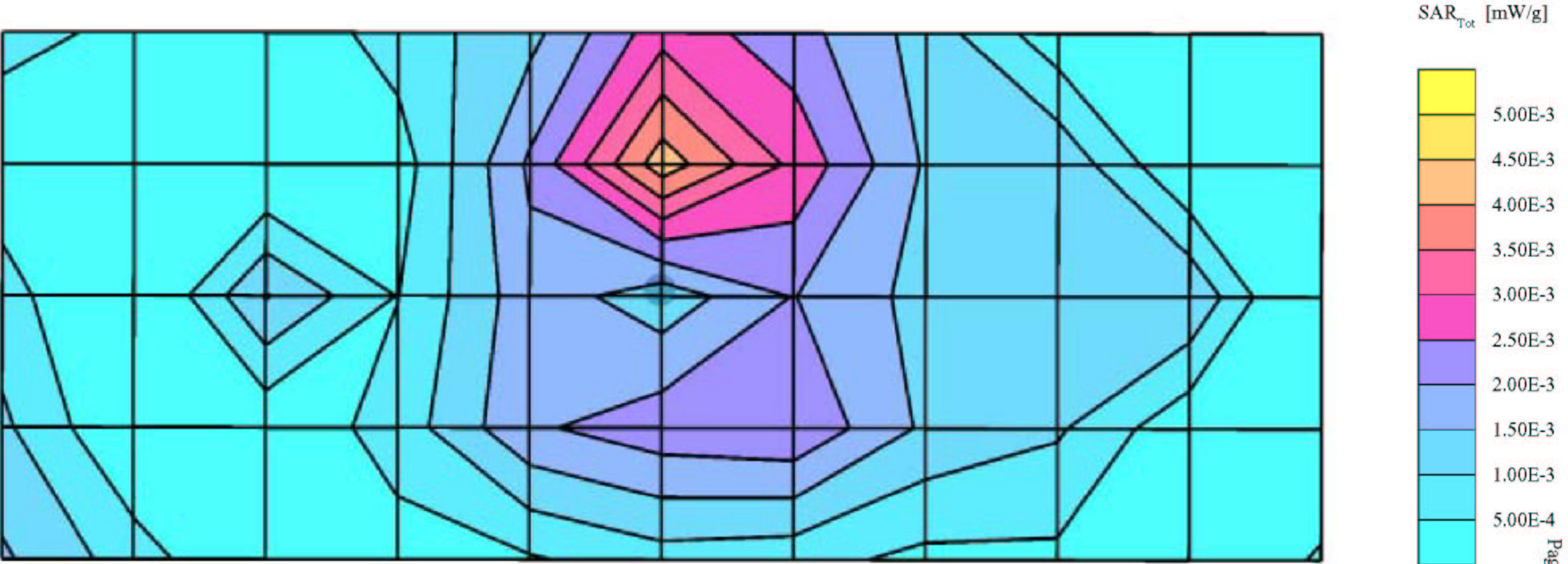
SAR (1g): 0.0046 mW/g :Worst-case extrapolation
SAR (10g): 0.0018 mW/g :Worst-case extrapolation

Crest factor : 1.0

Medium : Body 2450 MHz: $\sigma = 2.01 \text{ mho/m}$ $\epsilon_r = 50.9$ $\rho = 1.00 \text{ g/cm}^3$
Phantom : SAM Flat
Probe : ET3DV6 - SN1684 ; ConvF(4.40,4.40,4.40)

Cube 5x5x7
Peak: 0.0137 mW/g
Penetration depth: 3.8 (3.1, 6.6) [mm]

Ambient Temperature / 23.4 degree.c
Liquid Temperature /Before 22.3 degree.c /After 22.3 degree.c



WLL-CA50 / Body / Side 13cm of Antenna / QPSK / 2406MHz

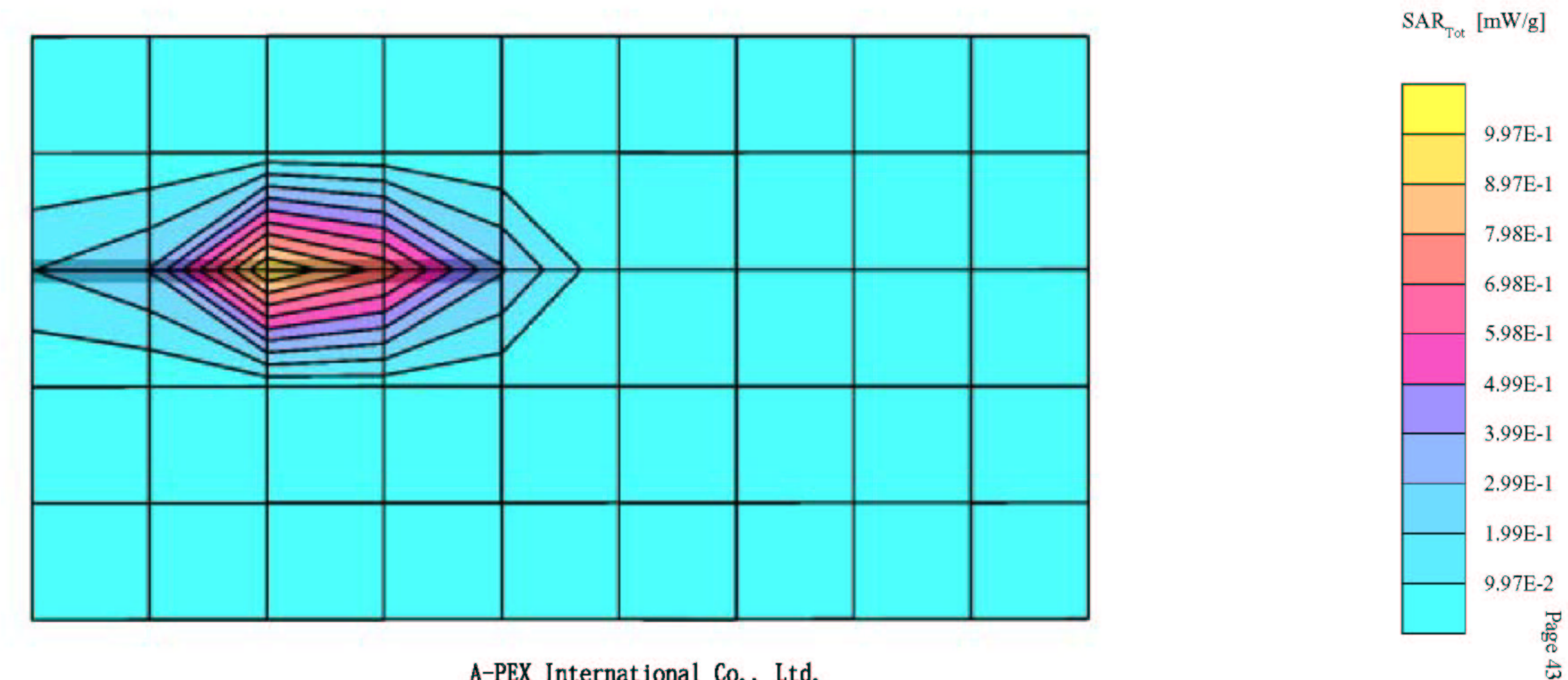
SAR (1g): 0.867 mW/g :Worst-case extrapolation
SAR (10g): 0.363 mW/g :Worst-case extrapolation

Crest factor : 1.0

Medium : Body 2450 MHz: $\sigma = 2.01 \text{ mho/m}$ $\epsilon_r = 50.9$ $\rho = 1.00 \text{ g/cm}^3$
Phantom : SAM Flat
Probe : ET3DV6 - SN1684 ; ConvF(4.40,4.40,4.40)

Cube 5x5x7
Peak: 1.92 mW/g
Penetration depth: 6.2 (5.8, 7.5) [mm]

Ambient Temperature / 23.4 degree.c
Liquid Temperature /Before 22.3 degree.c /After 22.3 degree.c



WLL-CA50 / Body / Side 13cm of Antenna / QPSK / 2470MHz

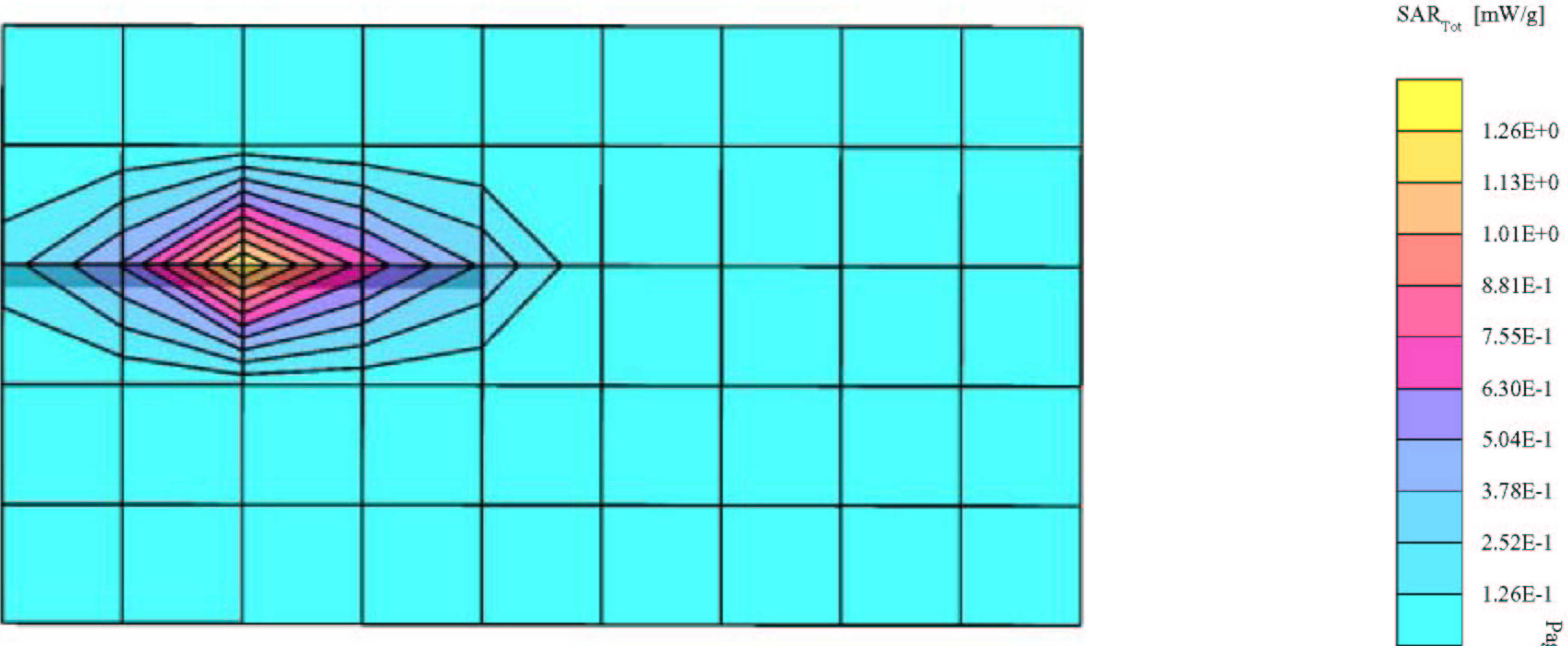
SAR (1g): 1.15 mW/g :Worst-case extrapolation
SAR (10g): 0.467 mW/g :Worst-case extrapolation

Crest factor : 1.0

Medium : Body 2450 MHz: $\sigma = 2.01 \text{ mho/m}$ $\epsilon_r = 50.9$ $\rho = 1.00 \text{ g/cm}^3$
Phantom : SAM Flat
Probe : ET3DV6 - SN1684 ; ConvF(4.40,4.40,4.40)

Cube 5x5x7
Peak: 2.57 mW/g
Penetration depth: 6.1 (5.8, 7.1) [mm]

Ambient Temperature / 23.4 degree.c
Liquid Temperature /Before 22.2 degree.c /After 22.1 degree.c



APPENDIX 3: Validation Measurement data

System Validation / Dipole 2450MHz

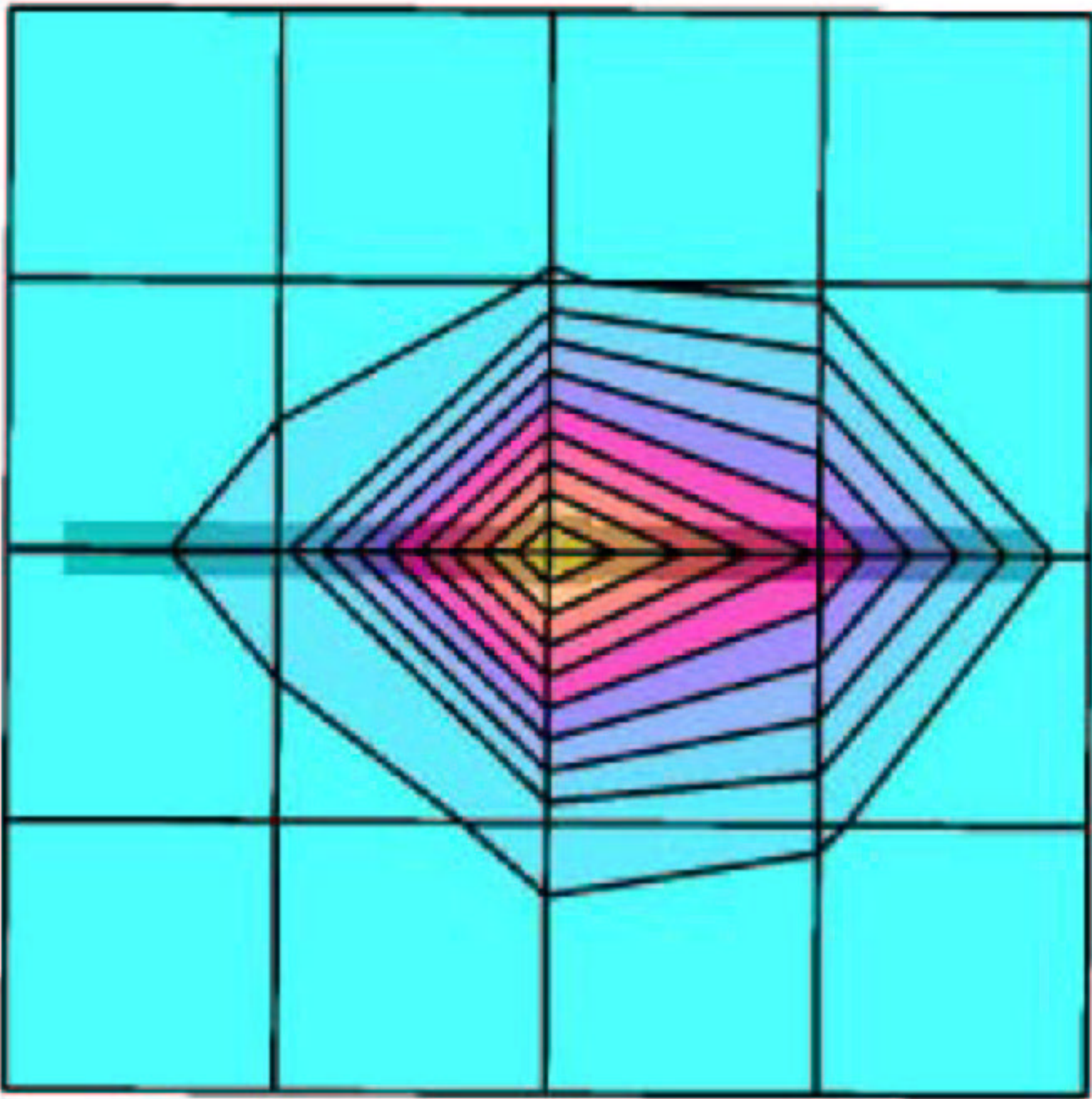
SAR (1g): 13.8 mW/g $\pm$ 0.01 dB :Worst-case extrapolation
SAR (10g): 6.45 mW/g $\pm$ 0.05 dB :Worst-case extrapolation

Crest factor : 1.0

Medium : Head 2450 MHz: σ = 1.82 mho/m ϵ_r = 37.4 ρ = 1.00 g/cm³
Phantom : SAM Flat
Probe : ET3DV6 - SN1684 ; ConvF(4.90,4.90,4.90)

Cubes (2)
Peak: 28.2 mW/g $\pm$ 0.04 dB
Penetration depth: 6.6 (6.3, 7.4) [mm]
Powerdrift: 0.01 dB

Forward Conducted Power / 250mW
Ambient Temperature / 24.2 degree.c
Liquid Temperature /Before 24.0 degree.c /After 23.9 degree.c



SAR_{Tot} [mW/g]

