

APPENDIX 3: Validation Measurement data

System Validation / Dipole 2450MHz

SAR (1g): 13.9 mW/g $\pm$ 0.00 dB, SAR (10g): 6.34 mW/g $\pm$ 0.01 dB Worst-case extrapolation

Crest factor : 1.0

Medium : Head 2450 MHz: $\sigma = 1.88$ mho/m $\epsilon_r = 35.5$ $\rho = 1.00$ g/cm³
 Phantom : SAM Flat
 Probe : ET3DV6 - SN1684 ; ConvF(4.90, 4.90, 4.90)

Cubes (2)

Peak: 29.2 mW/g $\pm$ 0.01 dB

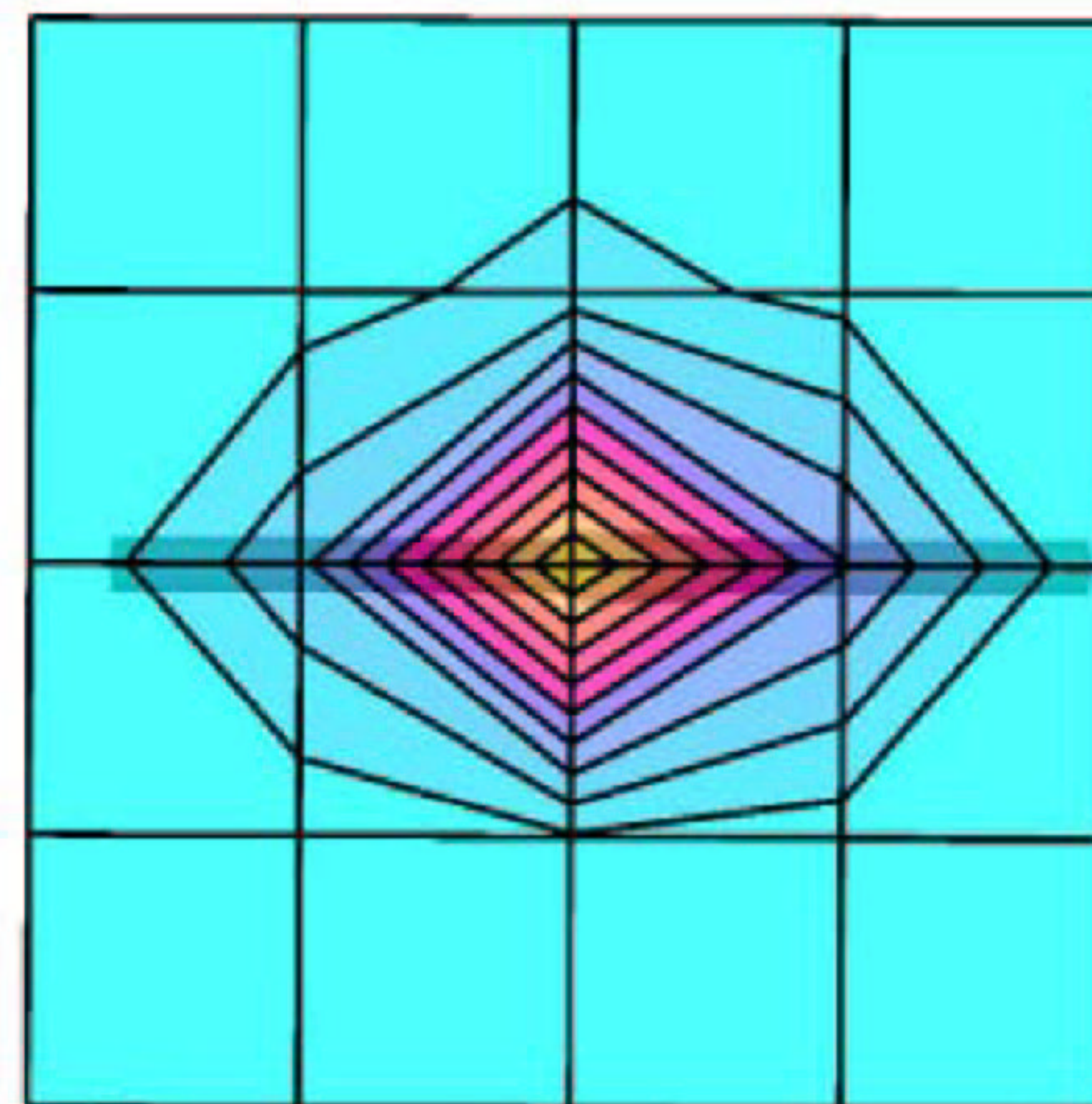
Penetration depth: 6.4 (6.1, 7.0) [mm]

Powerdrift: -0.02 dB

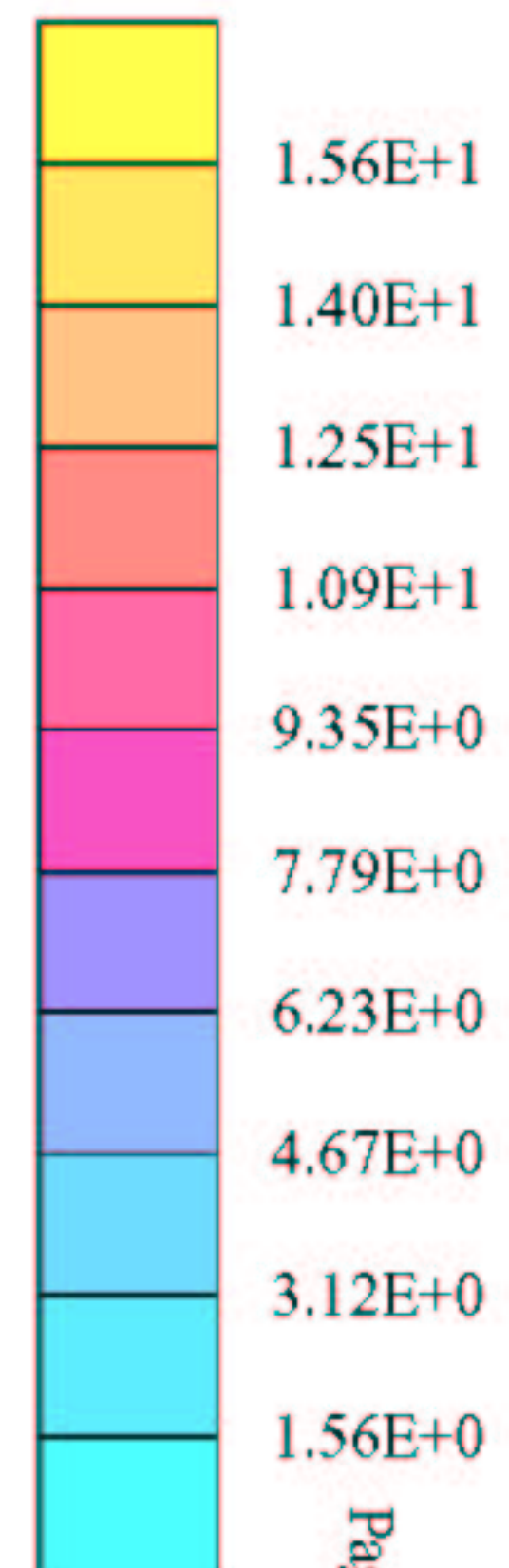
Forward Conducted Power / 250mW

Ambient Temperature / 24.3 degree.c

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



SAR_{Tot} [mW/g]



System Validation / Dipole 2450MHz

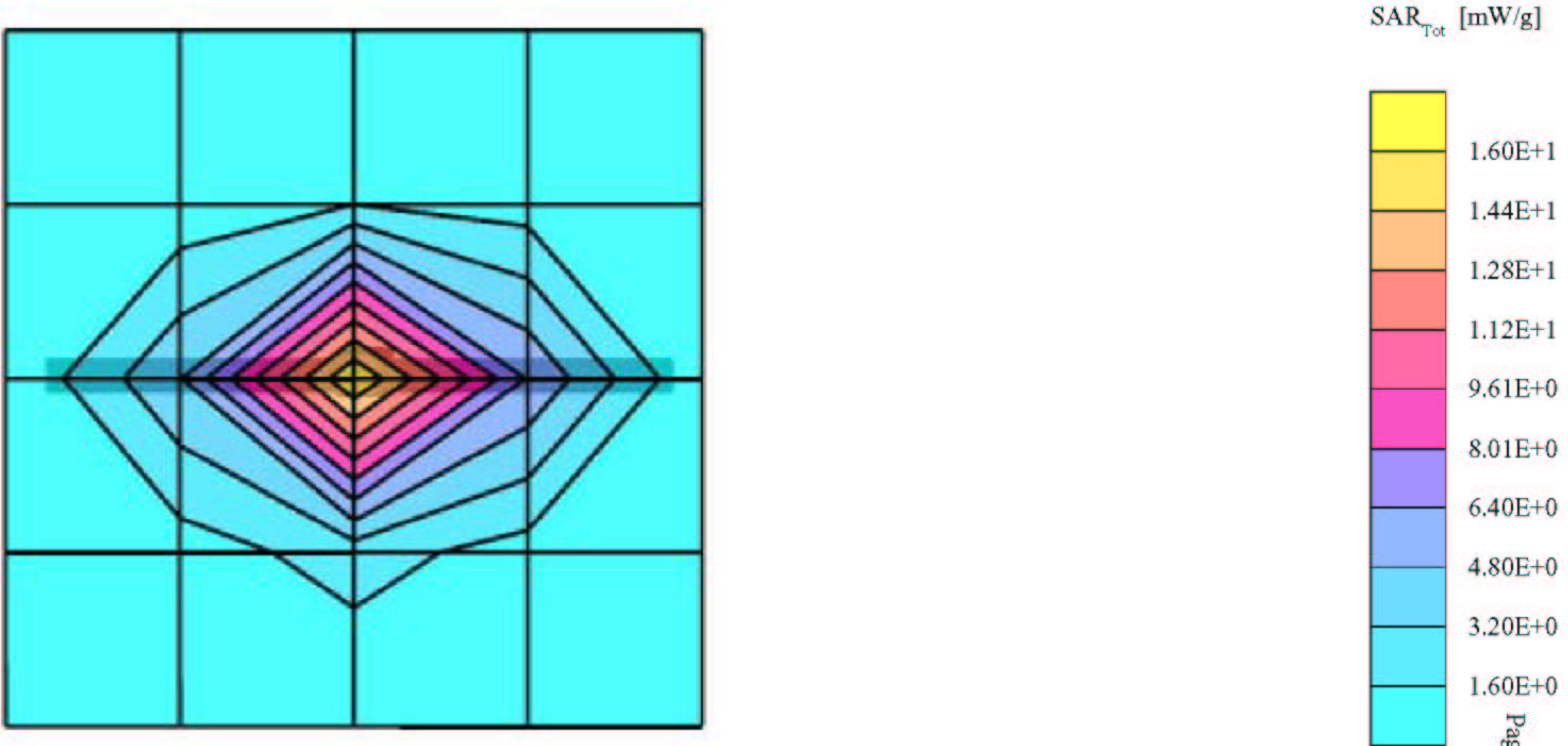
SAR (1g): 14.2 mW/g ± 0.02 dB, SAR (10g): 6.48 mW/g ± 0.04 dB Worst-case extrapolation

Crest factor : 1.0

Medium : Head 2450 MHz: $\sigma = 1.87 \text{ mho/m}$ $\epsilon_r = 35.4$ $\rho = 1.00 \text{ g/cm}^3$
 Phantom : SAM Flat
 Probe : ET3DV6 - SN1684 ; ConvF(4.90,4.90,4.90)

Cubes (2)
 Peak: 30.0 mW/g ± 0.01 dB
 Penetration depth: 6.3 (6.1, 7.0) [mm]
 Powerdrift: 0.01 dB

Forward Conducted Power / 250mW
 Ambient Temperature / 23.6 degree.c
 Liquid Temperature / Before 23.0 degree.c /After 23.0 degree.c



System Validation / Dipole 2450MHz

SAR (1g): 14.3 mW/g ± 0.02 dB, SAR (10g): 6.60 mW/g ± 0.03 dB Worst-case extrapolation

Crest factor : 1.0

Medium : Head 2450 MHz: $\sigma = 1.88 \text{ mho/m}$ $\epsilon_r = 35.3$ $\rho = 1.00 \text{ g/cm}^3$
Phantom : SAM Flat
Probe : ET3DV6 - SN1684 ; ConvF(4.90,4.90,4.90)

Cubes (2)
Peak: 29.6 mW/g ± 0.01 dB
Penetration depth: 6.3 (6.1, 7.0) [mm]
Powerdrift: 0.01 dB

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

