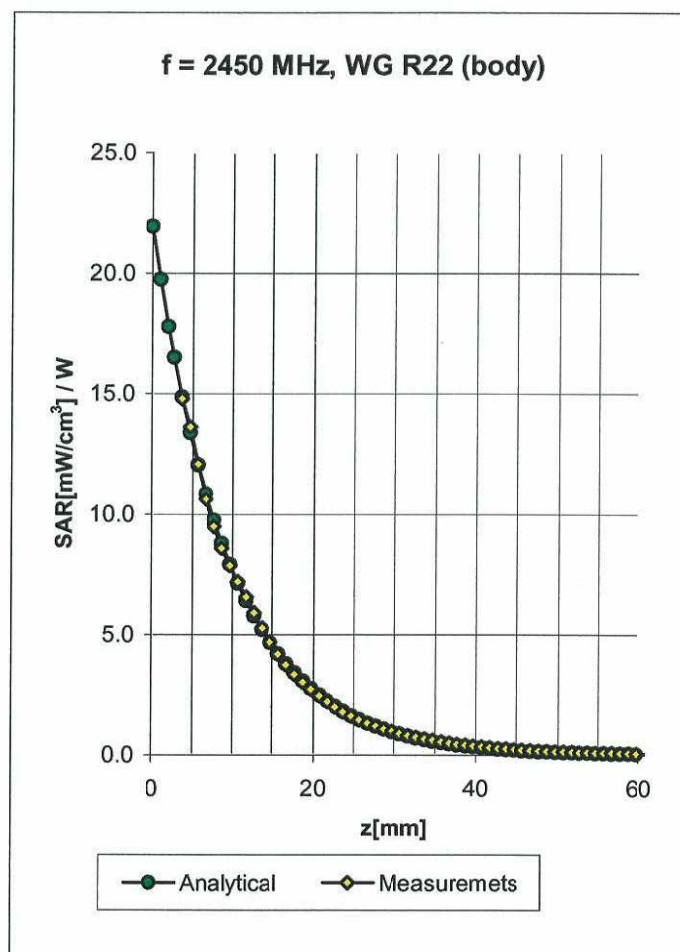
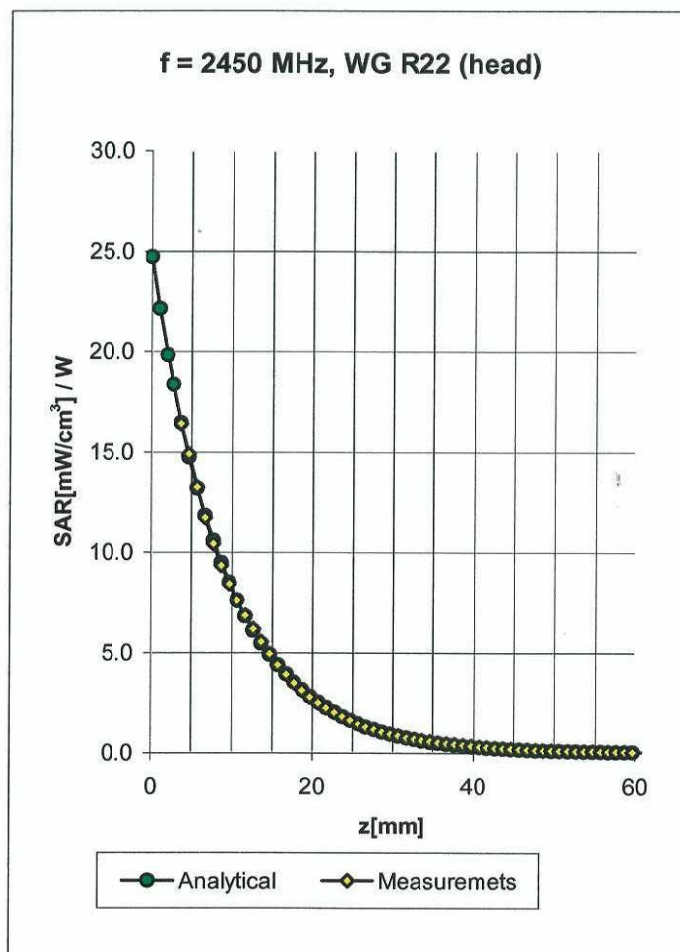


## Conversion Factor Assessment



Head                      2450 MHz                       $\epsilon_r = 39.2 \pm 5\%$                        $\sigma = 1.80 \pm 5\%$  mho/m

Valid for f=2400-2500 MHz with Head Tissue Simulating Liquid according to EN 50361, P1528-200X

|         |                              |                  |             |
|---------|------------------------------|------------------|-------------|
| ConvF X | <b>4.9</b> $\pm 9.5\%$ (k=2) | Boundary effect: |             |
| ConvF Y | <b>4.9</b> $\pm 9.5\%$ (k=2) | Alpha            | <b>0.99</b> |
| ConvF Z | <b>4.9</b> $\pm 9.5\%$ (k=2) | Depth            | <b>1.81</b> |

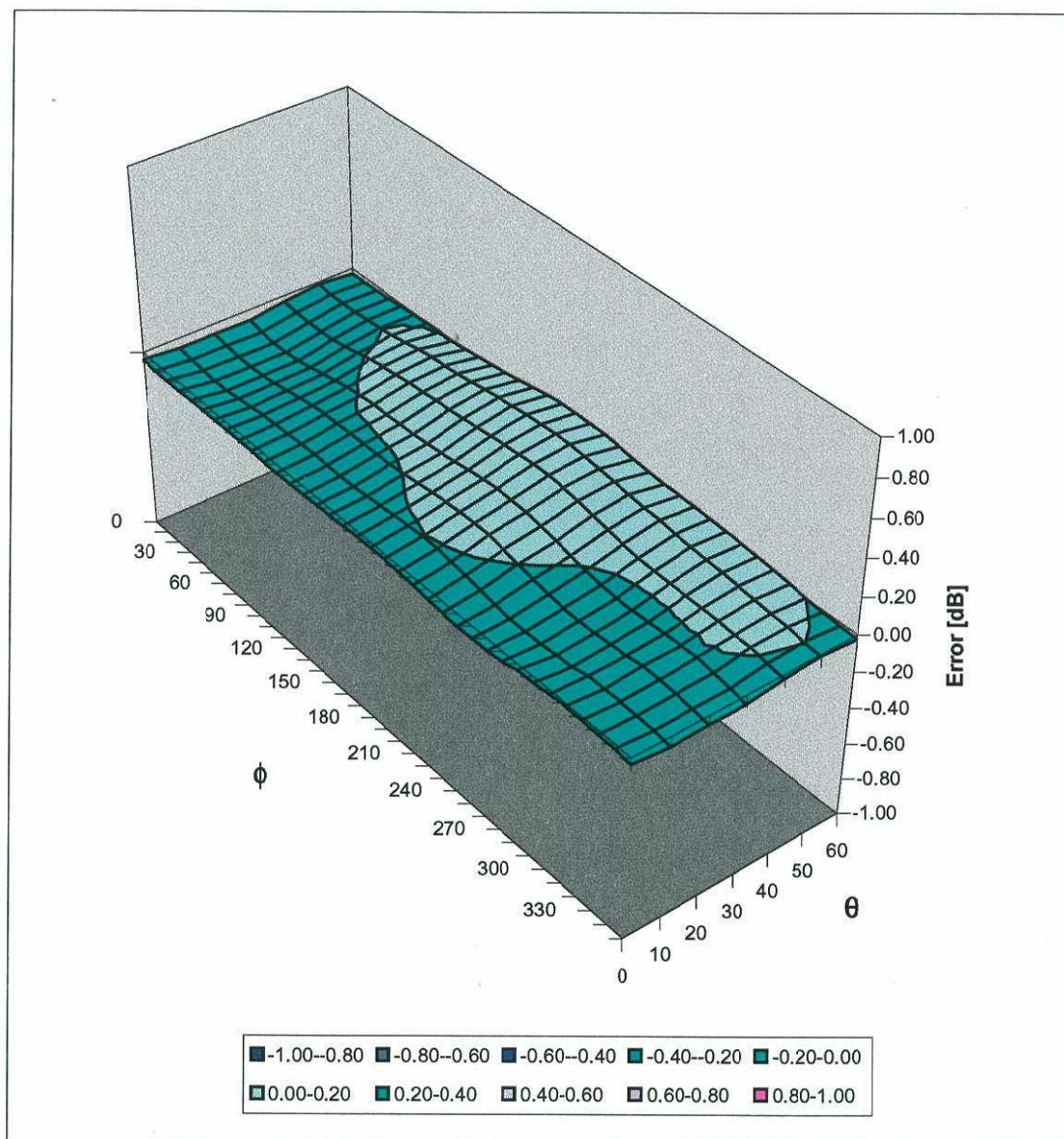
Body                      2450 MHz                       $\epsilon_r = 52.7 \pm 5\%$                        $\sigma = 1.95 \pm 5\%$  mho/m

Valid for f=2400-2500 MHz with Body Tissue Simulating Liquid according to OET 65 Suppl. C

|         |                              |                  |             |
|---------|------------------------------|------------------|-------------|
| ConvF X | <b>4.6</b> $\pm 9.5\%$ (k=2) | Boundary effect: |             |
| ConvF Y | <b>4.6</b> $\pm 9.5\%$ (k=2) | Alpha            | <b>1.60</b> |
| ConvF Z | <b>4.6</b> $\pm 9.5\%$ (k=2) | Depth            | <b>1.50</b> |

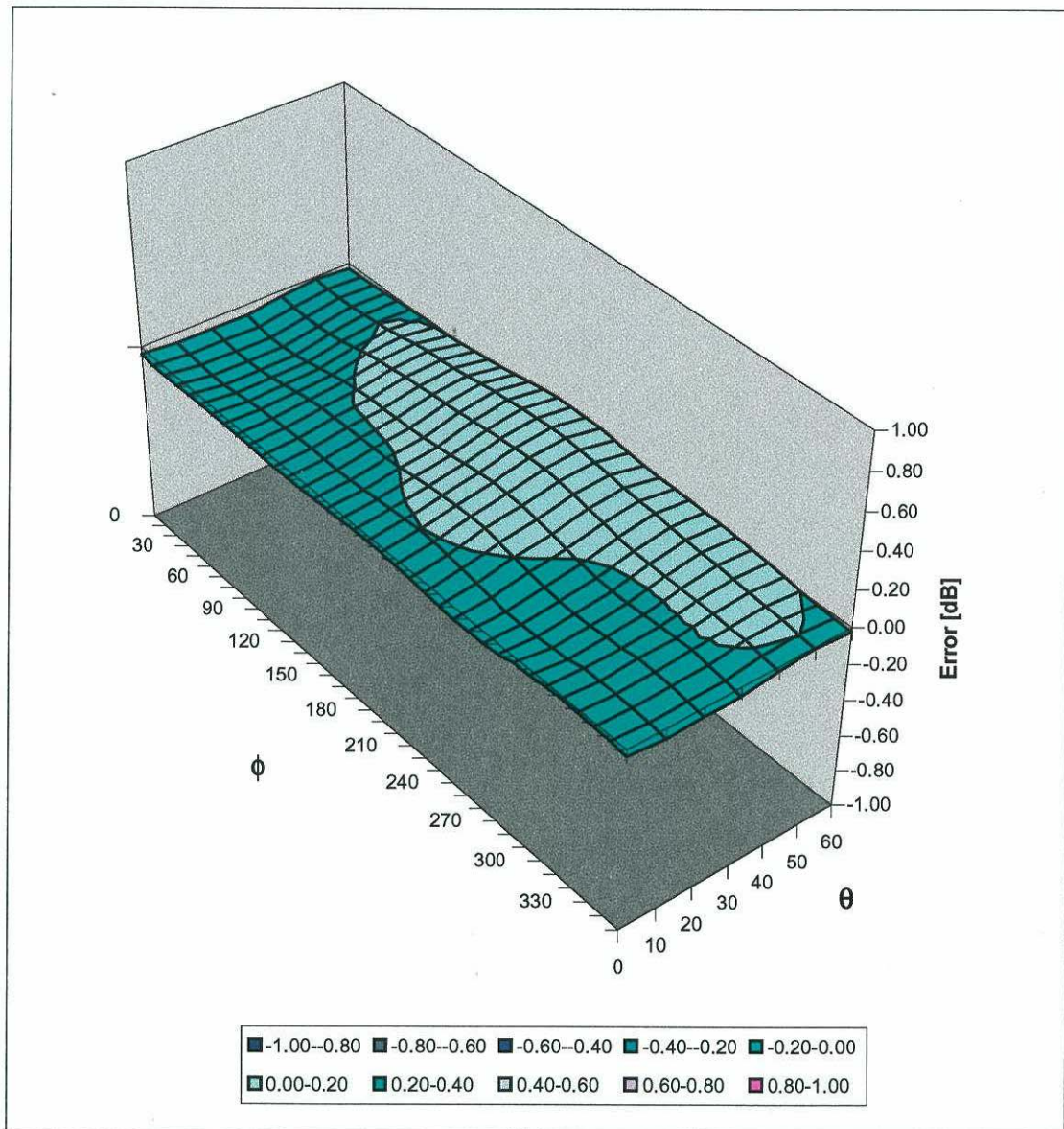
## Deviation from Isotropy in HSL

Error ( $\theta, \phi$ ),  $f = 900$  MHz



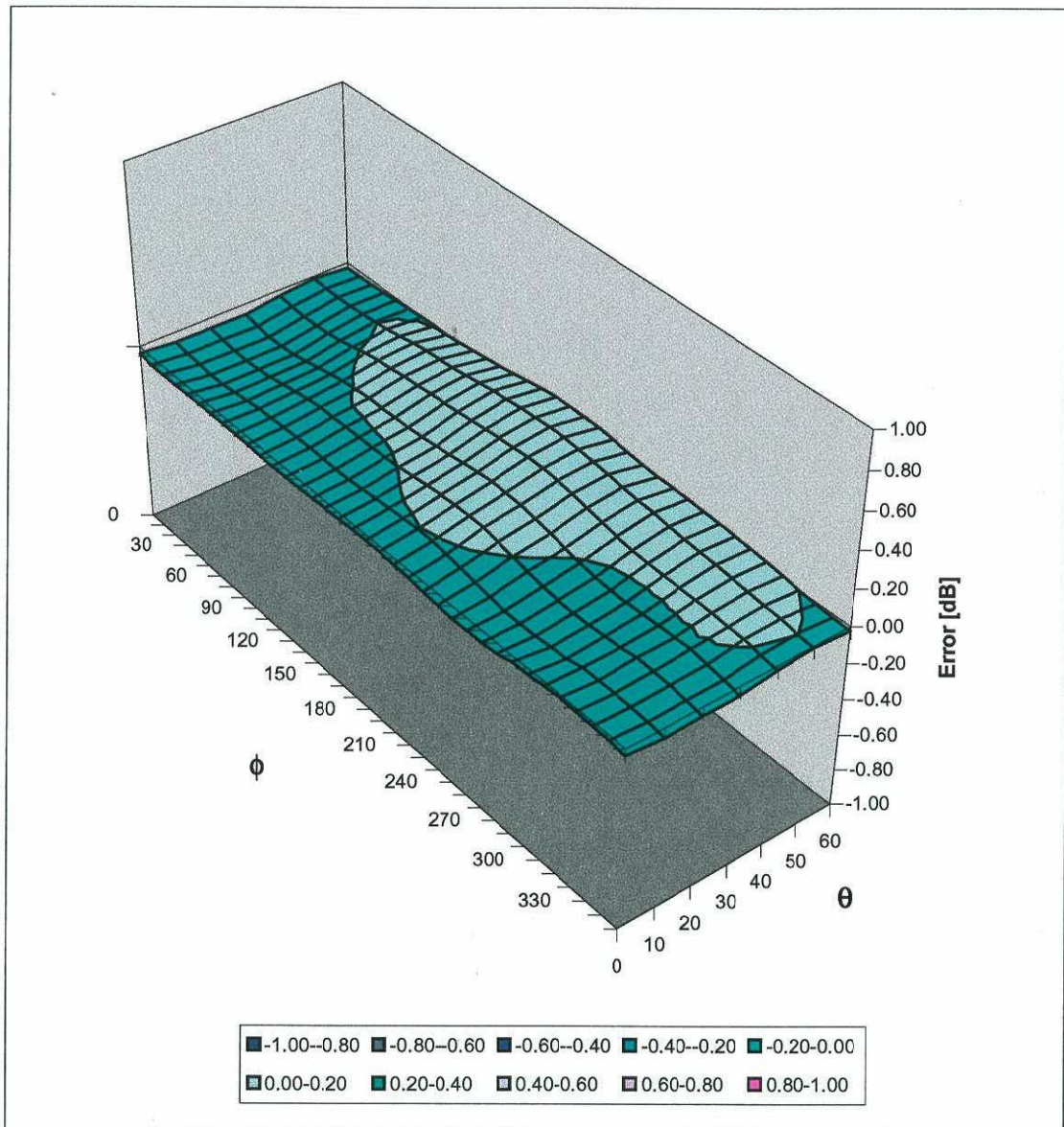
## Deviation from Isotropy in HSL

Error ( $\theta, \phi$ ),  $f = 900$  MHz



## Deviation from Isotropy in HSL

Error ( $\theta, \phi$ ),  $f = 900$  MHz



## Deviation from Isotropy in HSL

Error ( $\theta, \phi$ ),  $f = 900$  MHz

