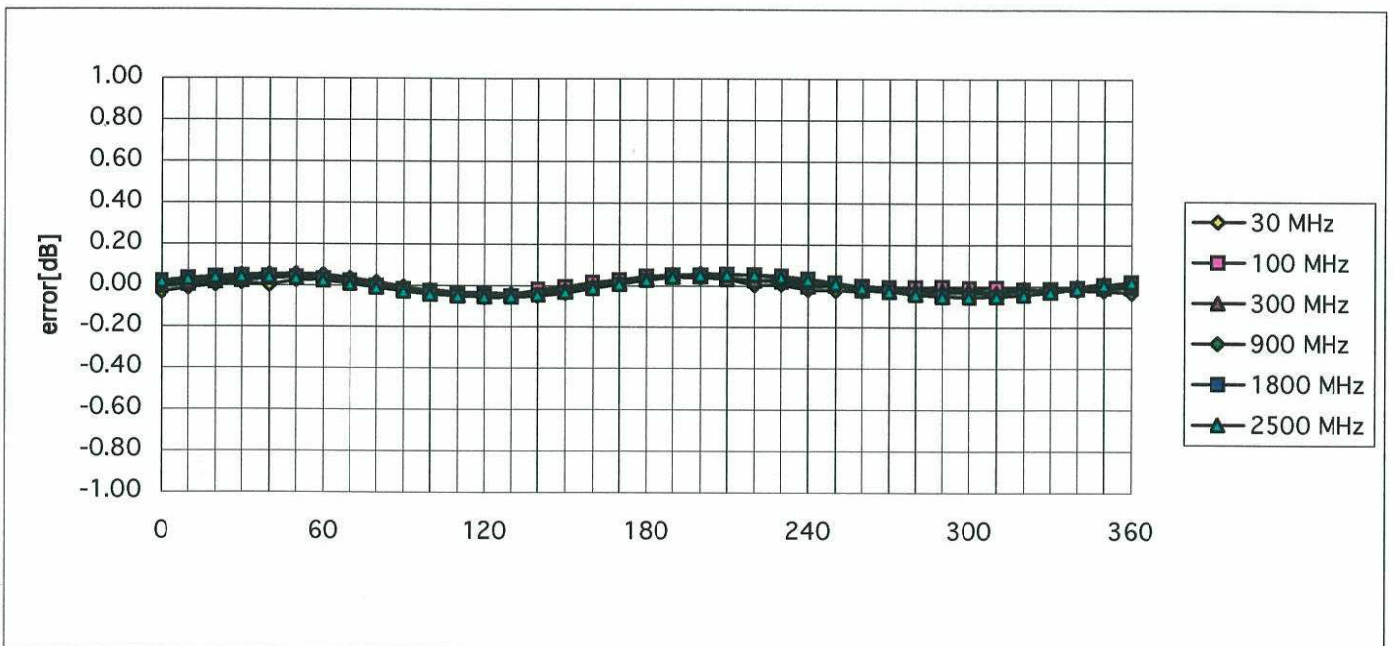
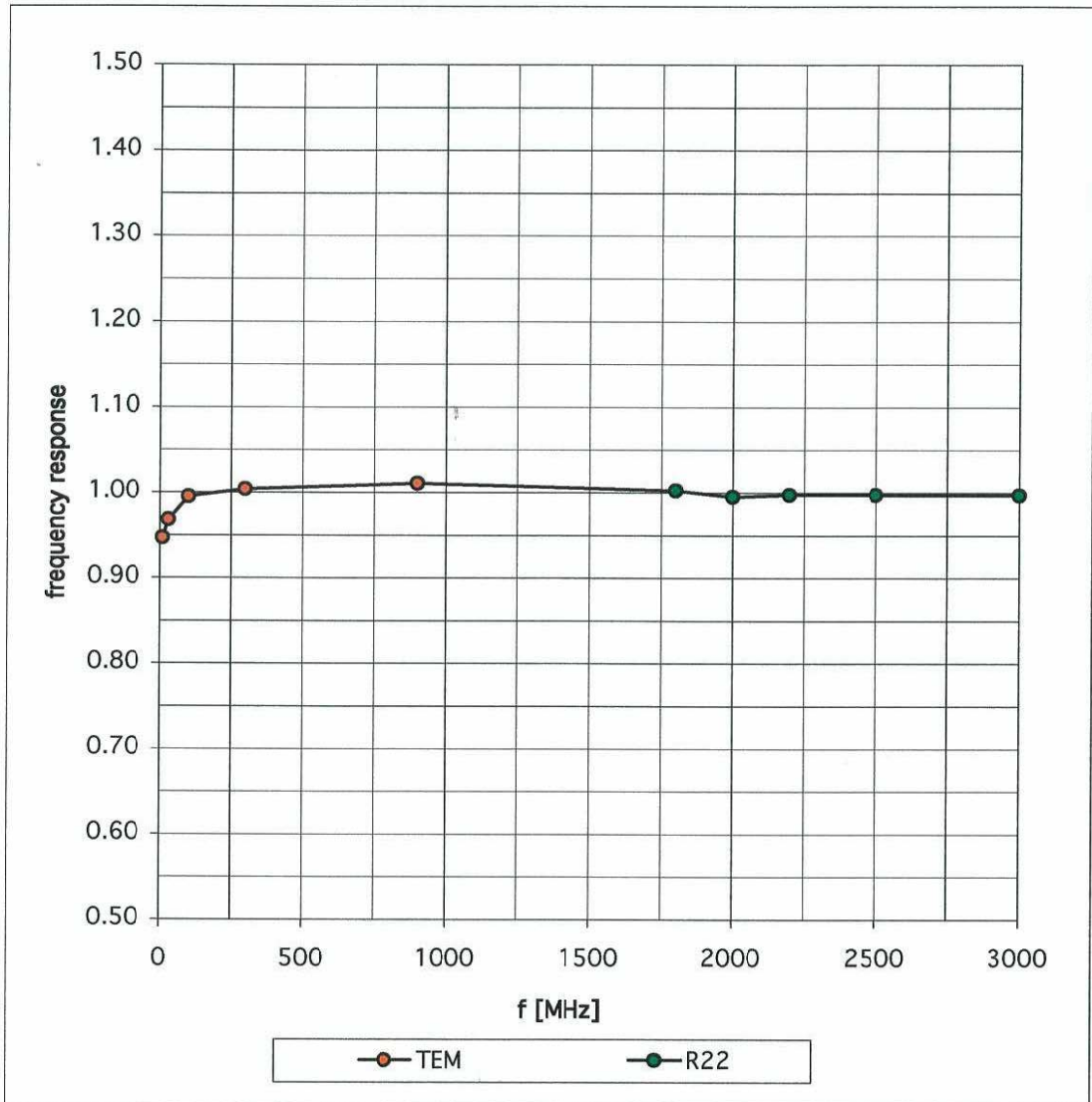


Isotropy Error (ϕ), $\theta = 0^\circ$



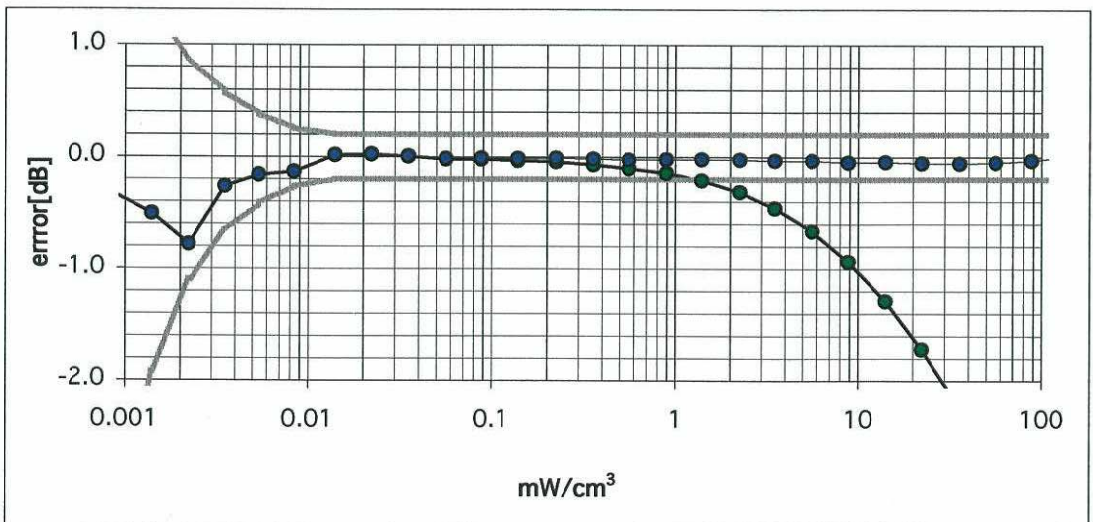
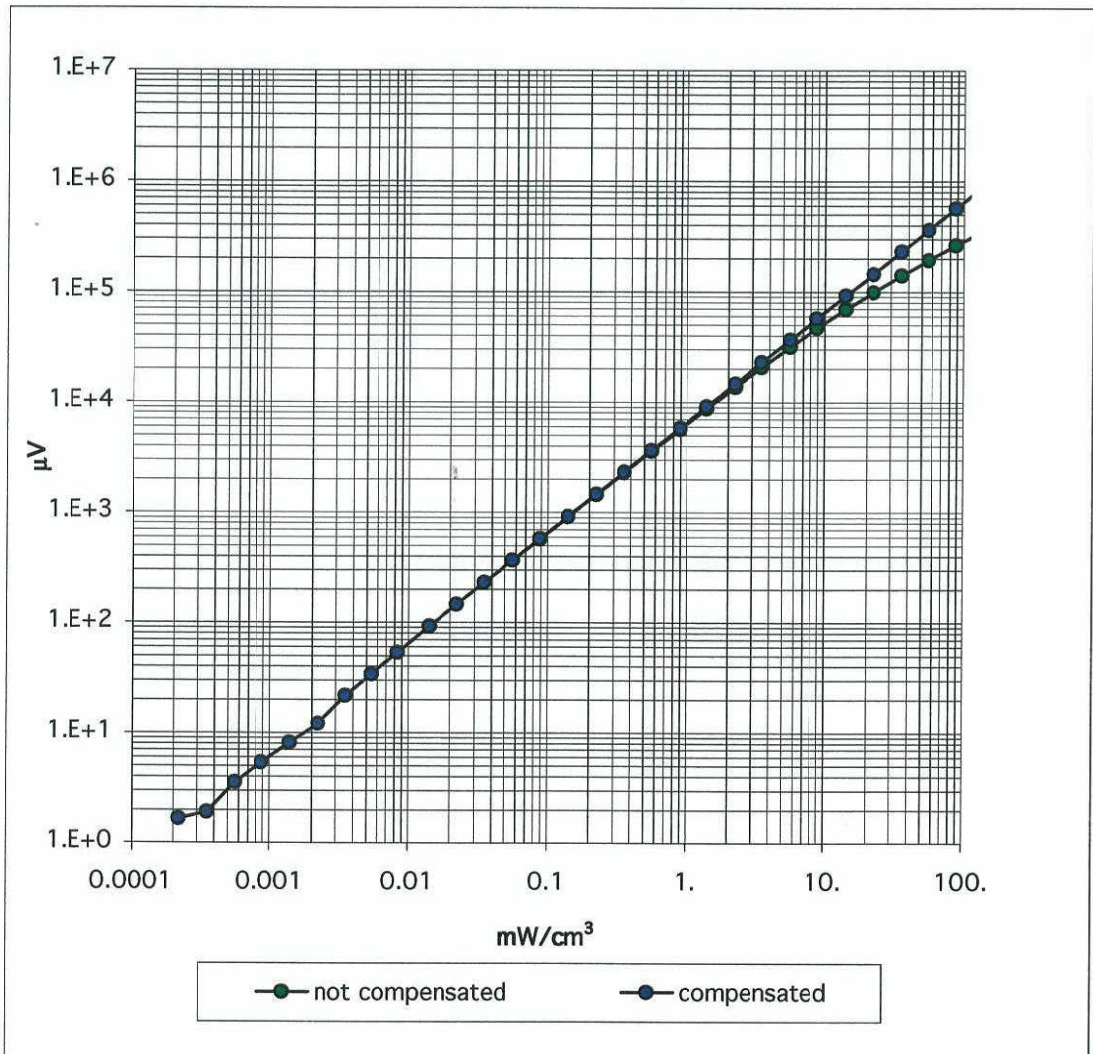
Frequency Response of E-Field

(TEM-Cell:ifi110, Waveguide R22)

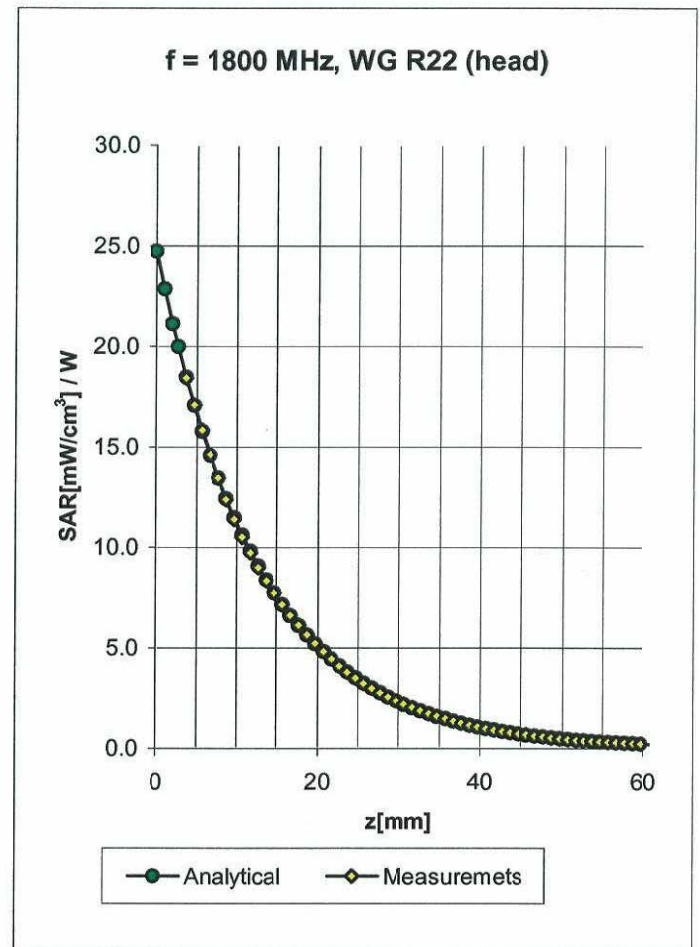
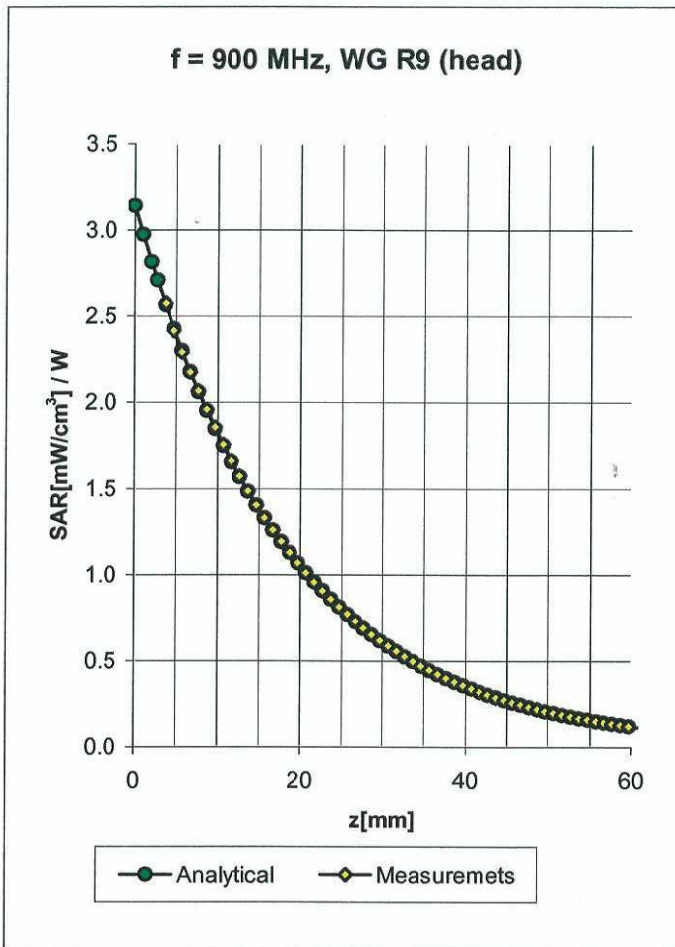


Dynamic Range f(SARhead)

(Waveguide R22)



Conversion Factor Assessment



Head 900 MHz $\epsilon_r = 41.5 \pm 5\%$ $\sigma = 0.97 \pm 5\%$ mho/m

Valid for f=800-1000 MHz with Head Tissue Simulating Liquid according to EN 50361, P1528-200X

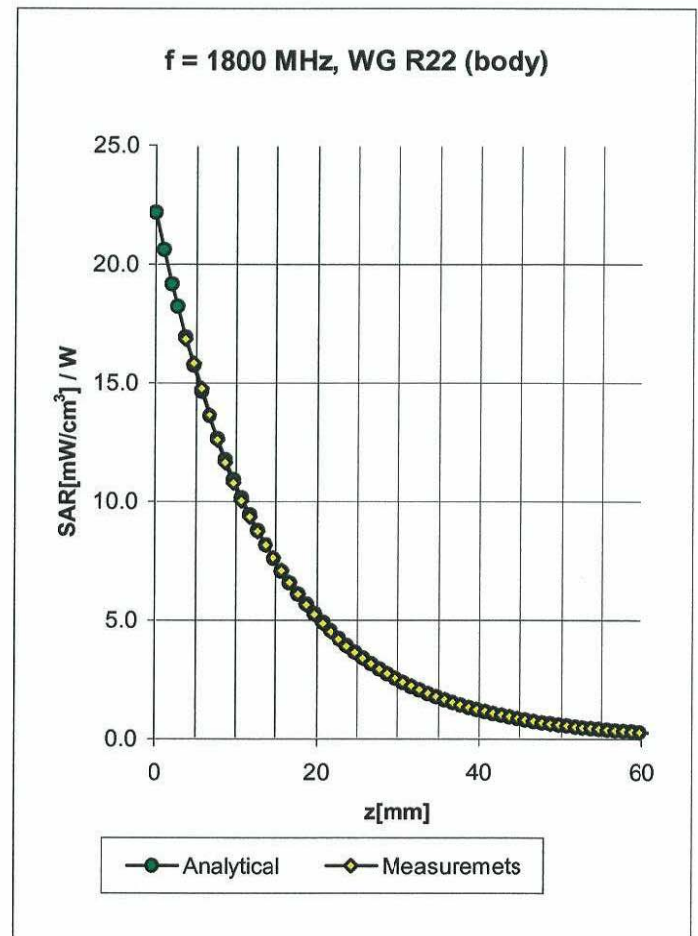
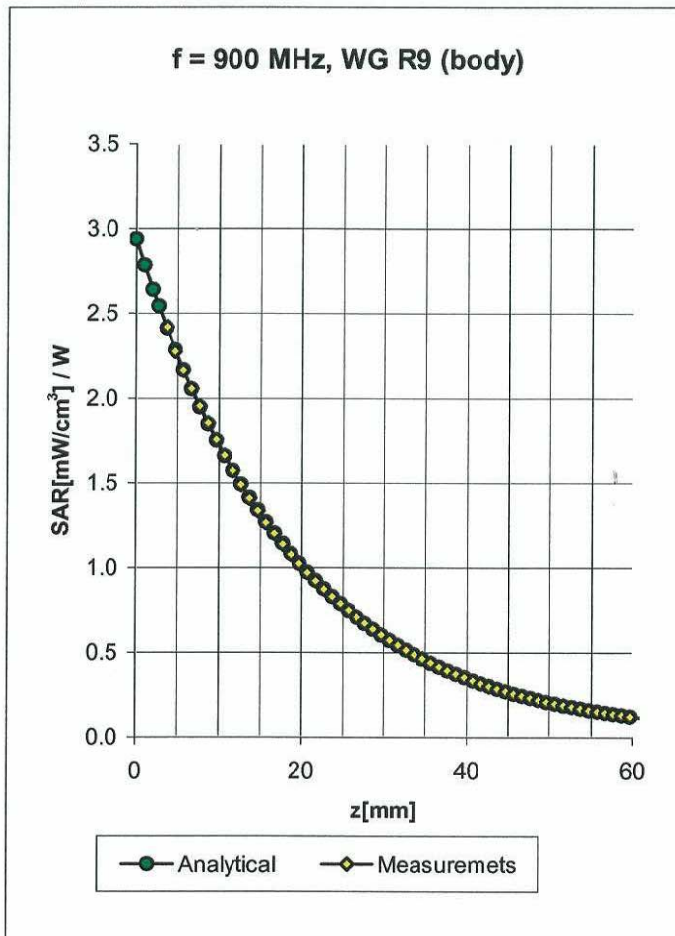
| | | |
|---------|------------------------------|-------------------|
| ConvF X | 6.7 $\pm 9.5\%$ (k=2) | Boundary effect: |
| ConvF Y | 6.7 $\pm 9.5\%$ (k=2) | Alpha 0.39 |
| ConvF Z | 6.7 $\pm 9.5\%$ (k=2) | Depth 2.46 |

Head 1800 MHz $\epsilon_r = 40.0 \pm 5\%$ $\sigma = 1.40 \pm 5\%$ mho/m

Valid for f=1710-1910 MHz with Head Tissue Simulating Liquid according to EN 50361, P1528-200X

| | | |
|---------|------------------------------|-------------------|
| ConvF X | 5.3 $\pm 9.5\%$ (k=2) | Boundary effect: |
| ConvF Y | 5.3 $\pm 9.5\%$ (k=2) | Alpha 0.46 |
| ConvF Z | 5.3 $\pm 9.5\%$ (k=2) | Depth 2.69 |

Conversion Factor Assessment



Body 900 MHz $\epsilon_r = 55.0 \pm 5\%$ $\sigma = 1.05 \pm 5\%$ mho/m

Valid for f=800-1000 MHz with Body Tissue Simulating Liquid according to OET 65 Suppl. C

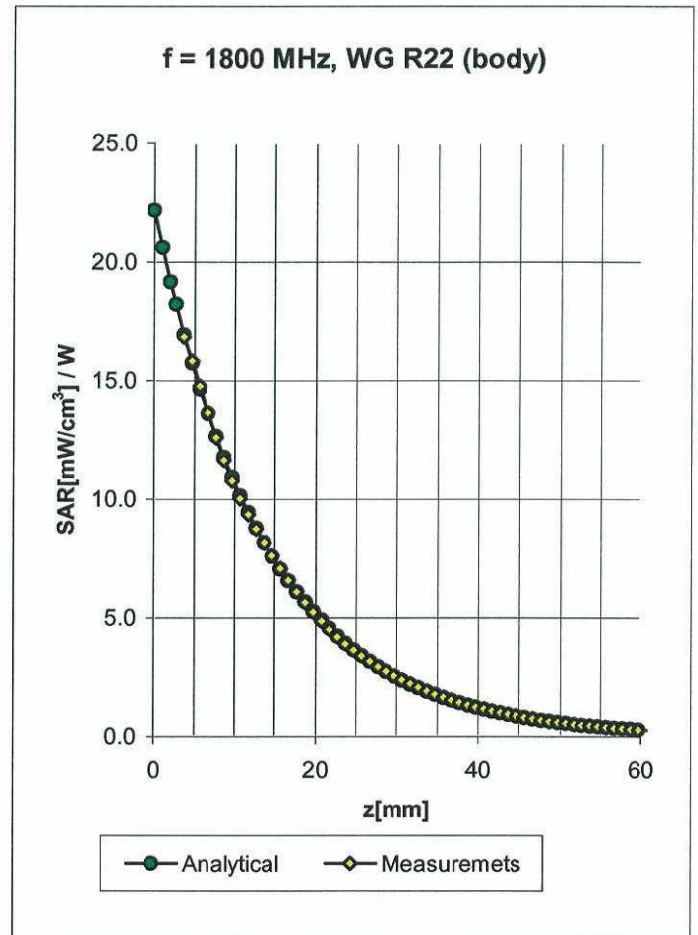
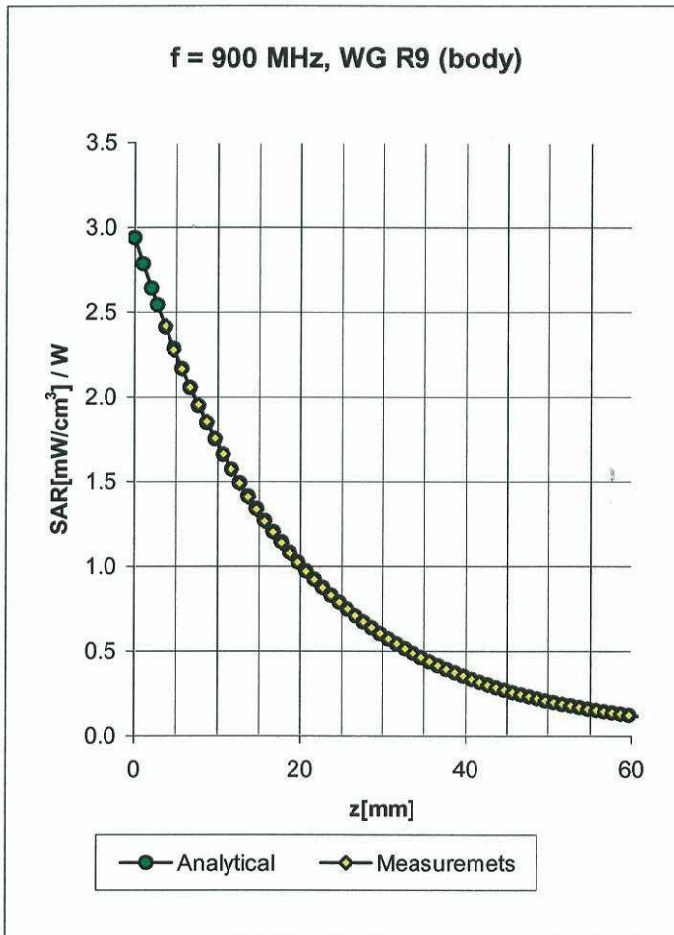
| | | |
|---------|------------------|-------------------|
| ConvF X | 6.3 ± 9.5% (k=2) | Boundary effect: |
| ConvF Y | 6.3 ± 9.5% (k=2) | Alpha 0.38 |
| ConvF Z | 6.3 ± 9.5% (k=2) | Depth 2.56 |

Body 1800 MHz $\epsilon_r = 53.3 \pm 5\%$ $\sigma = 1.52 \pm 5\%$ mho/m

Valid for f=1710-1910 MHz with Body Tissue Simulating Liquid according to OET 65 Suppl. C

| | | |
|---------|------------------|-------------------|
| ConvF X | 4.9 ± 9.5% (k=2) | Boundary effect: |
| ConvF Y | 4.9 ± 9.5% (k=2) | Alpha 0.55 |
| ConvF Z | 4.9 ± 9.5% (k=2) | Depth 2.69 |

Conversion Factor Assessment



Body 900 MHz $\epsilon_r = 55.0 \pm 5\%$ $\sigma = 1.05 \pm 5\%$ mho/m

Valid for f=800-1000 MHz with Body Tissue Simulating Liquid according to OET 65 Suppl. C

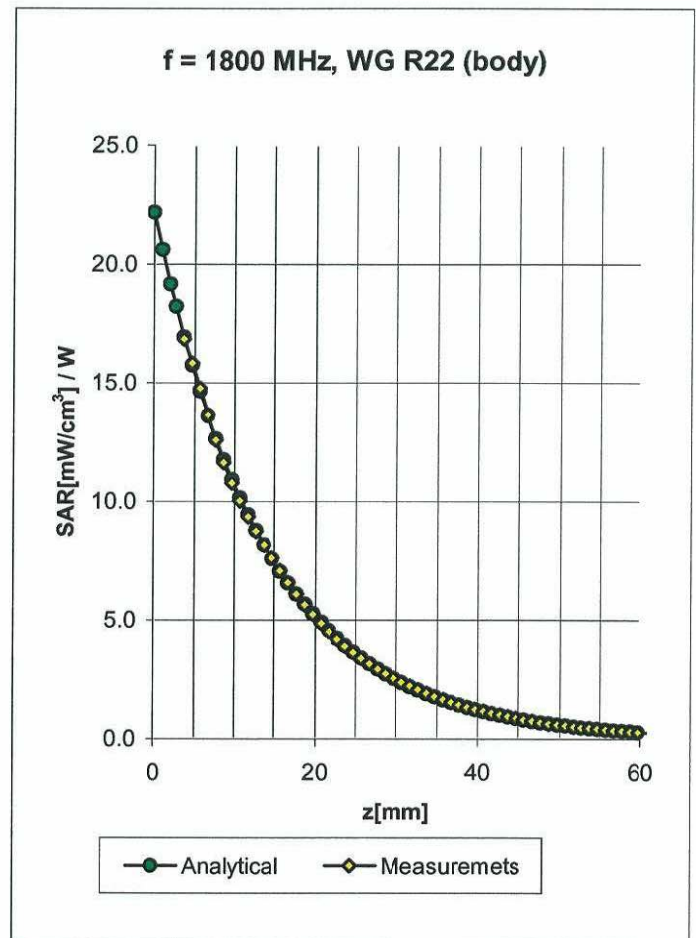
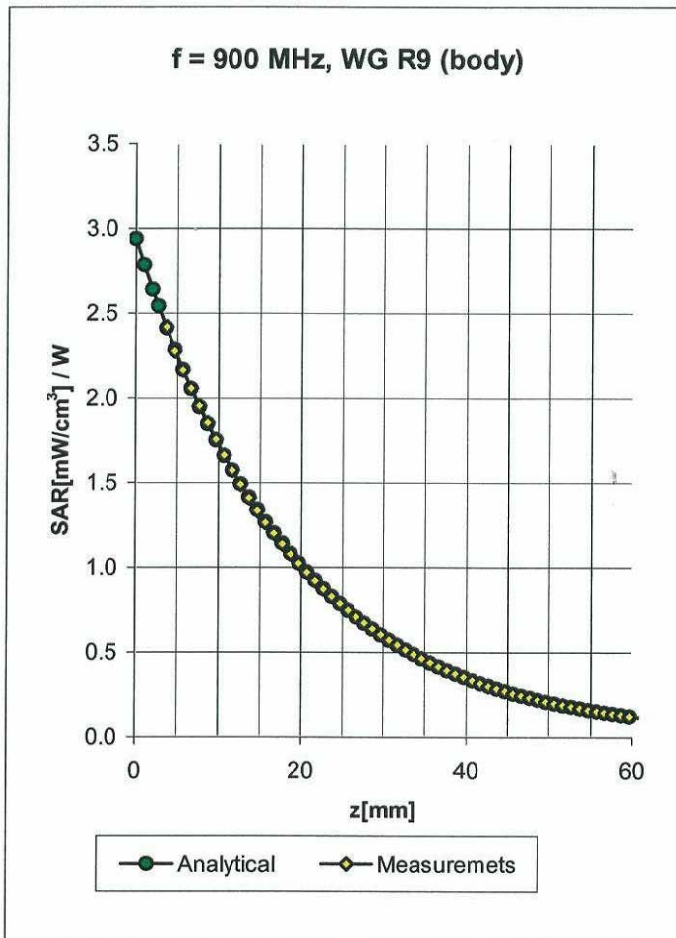
| | | |
|---------|------------------|-------------------|
| ConvF X | 6.3 ± 9.5% (k=2) | Boundary effect: |
| ConvF Y | 6.3 ± 9.5% (k=2) | Alpha 0.38 |
| ConvF Z | 6.3 ± 9.5% (k=2) | Depth 2.56 |

Body 1800 MHz $\epsilon_r = 53.3 \pm 5\%$ $\sigma = 1.52 \pm 5\%$ mho/m

Valid for f=1710-1910 MHz with Body Tissue Simulating Liquid according to OET 65 Suppl. C

| | | |
|---------|------------------|-------------------|
| ConvF X | 4.9 ± 9.5% (k=2) | Boundary effect: |
| ConvF Y | 4.9 ± 9.5% (k=2) | Alpha 0.55 |
| ConvF Z | 4.9 ± 9.5% (k=2) | Depth 2.69 |

Conversion Factor Assessment



Body 900 MHz $\epsilon_r = 55.0 \pm 5\%$ $\sigma = 1.05 \pm 5\%$ mho/m

Valid for f=800-1000 MHz with Body Tissue Simulating Liquid according to OET 65 Suppl. C

| | | | |
|---------|------------------------------|------------------|-------------|
| ConvF X | 6.3 $\pm 9.5\%$ (k=2) | Boundary effect: | |
| ConvF Y | 6.3 $\pm 9.5\%$ (k=2) | Alpha | 0.38 |
| ConvF Z | 6.3 $\pm 9.5\%$ (k=2) | Depth | 2.56 |

Body 1800 MHz $\epsilon_r = 53.3 \pm 5\%$ $\sigma = 1.52 \pm 5\%$ mho/m

Valid for f=1710-1910 MHz with Body Tissue Simulating Liquid according to OET 65 Suppl. C

| | | | |
|---------|------------------------------|------------------|-------------|
| ConvF X | 4.9 $\pm 9.5\%$ (k=2) | Boundary effect: | |
| ConvF Y | 4.9 $\pm 9.5\%$ (k=2) | Alpha | 0.55 |
| ConvF Z | 4.9 $\pm 9.5\%$ (k=2) | Depth | 2.69 |