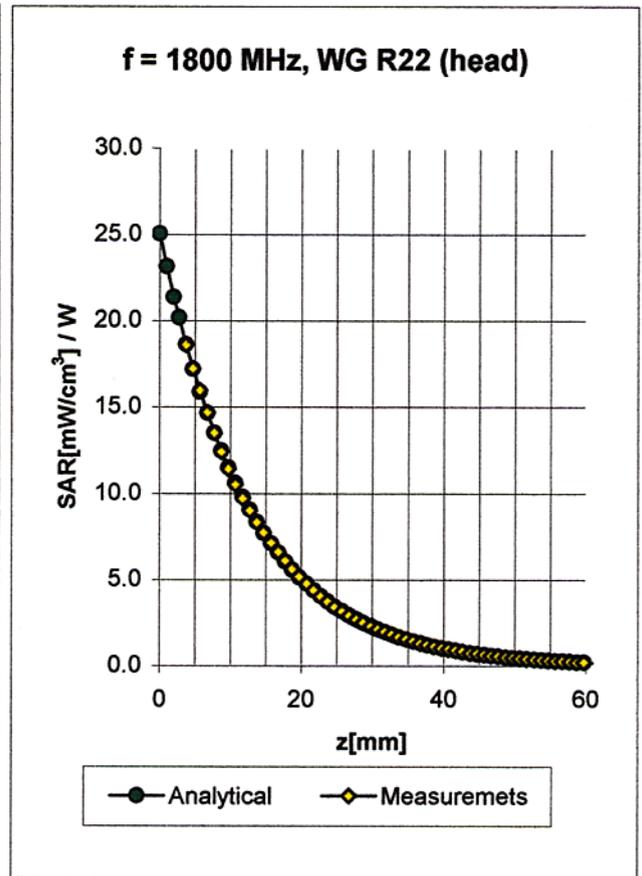
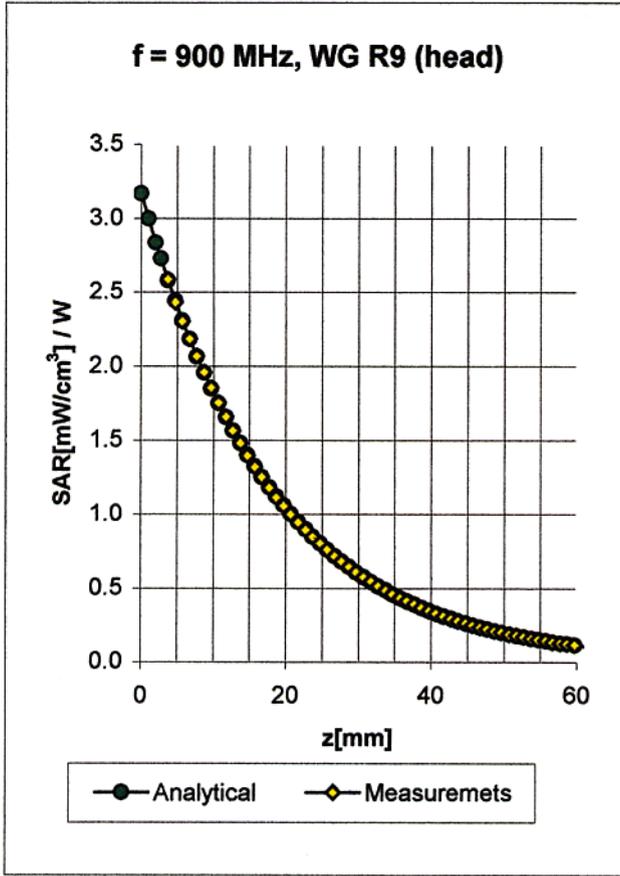


## Conversion Factor Assessment

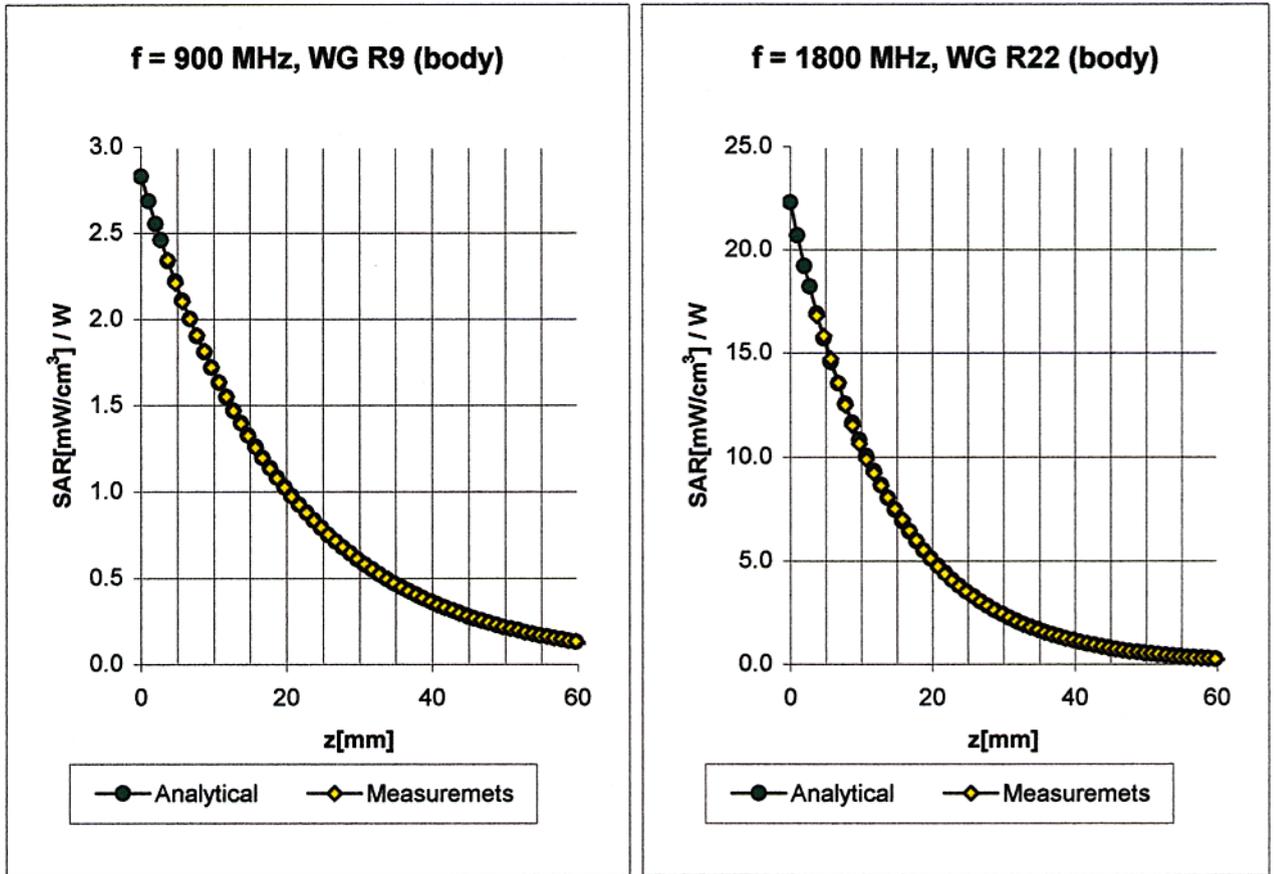


Head	900 MHz	$\epsilon_r = 41.5 \pm 5\%$	$\sigma = 0.97 \pm 5\%$ mho/m
Head	835 MHz	$\epsilon_r = 41.5 \pm 5\%$	$\sigma = 0.90 \pm 5\%$ mho/m
	ConvF X	<b>6.8</b> $\pm 9.5\%$ (k=2)	Boundary effect:
	ConvF Y	<b>6.8</b> $\pm 9.5\%$ (k=2)	Alpha <b>0.31</b>
	ConvF Z	<b>6.8</b> $\pm 9.5\%$ (k=2)	Depth <b>2.51</b>
Head	1800 MHz	$\epsilon_r = 40.0 \pm 5\%$	$\sigma = 1.40 \pm 5\%$ mho/m
Head	1900 MHz	$\epsilon_r = 40.0 \pm 5\%$	$\sigma = 1.40 \pm 5\%$ mho/m
	ConvF X	<b>5.5</b> $\pm 9.5\%$ (k=2)	Boundary effect:
	ConvF Y	<b>5.5</b> $\pm 9.5\%$ (k=2)	Alpha <b>0.40</b>
	ConvF Z	<b>5.5</b> $\pm 9.5\%$ (k=2)	Depth <b>2.61</b>

ET3DV6 SN:1684

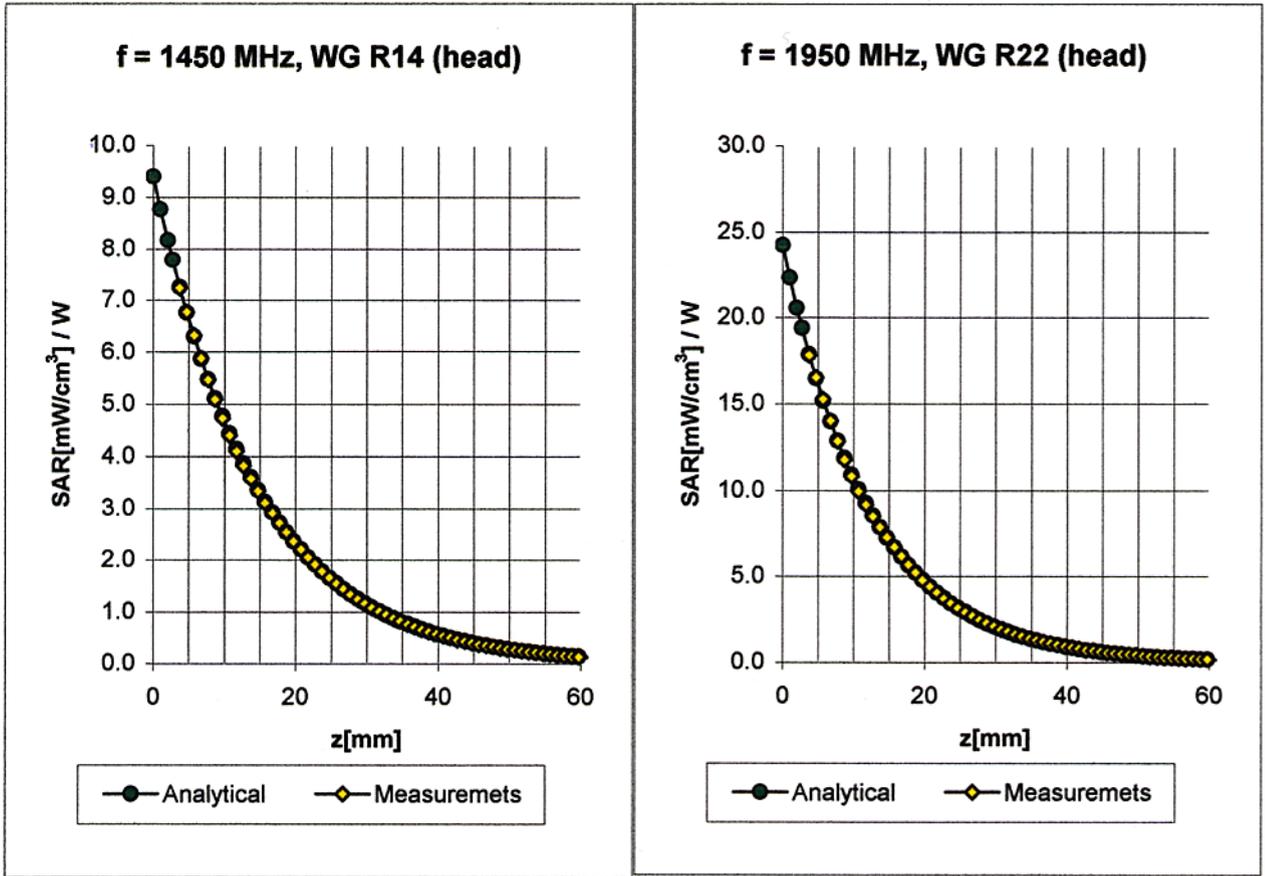
November 20, 2002

# Conversion Factor Assessment



<b>Body</b>	<b>900 MHz</b>	$\epsilon_r = 55.0 \pm 5\%$	$\sigma = 1.05 \pm 5\% \text{ mho/m}$
<b>Body</b>	<b>835 MHz</b>	$\epsilon_r = 55.2 \pm 5\%$	$\sigma = 0.97 \pm 5\% \text{ mho/m}$
	ConvF X	<b>6.5</b> $\pm 9.5\%$ (k=2)	Boundary effect:
	ConvF Y	<b>6.5</b> $\pm 9.5\%$ (k=2)	Alpha <b>0.26</b>
	ConvF Z	<b>6.5</b> $\pm 9.5\%$ (k=2)	Depth <b>3.22</b>
<b>Body</b>	<b>1800 MHz</b>	$\epsilon_r = 53.3 \pm 5\%$	$\sigma = 1.52 \pm 5\% \text{ mho/m}$
<b>Body</b>	<b>1900 MHz</b>	$\epsilon_r = 53.3 \pm 5\%$	$\sigma = 1.52 \pm 5\% \text{ mho/m}$
	ConvF X	<b>5.1</b> $\pm 9.5\%$ (k=2)	Boundary effect:
	ConvF Y	<b>5.1</b> $\pm 9.5\%$ (k=2)	Alpha <b>0.50</b>
	ConvF Z	<b>5.1</b> $\pm 9.5\%$ (k=2)	Depth <b>2.57</b>

## Conversion Factor Assessment



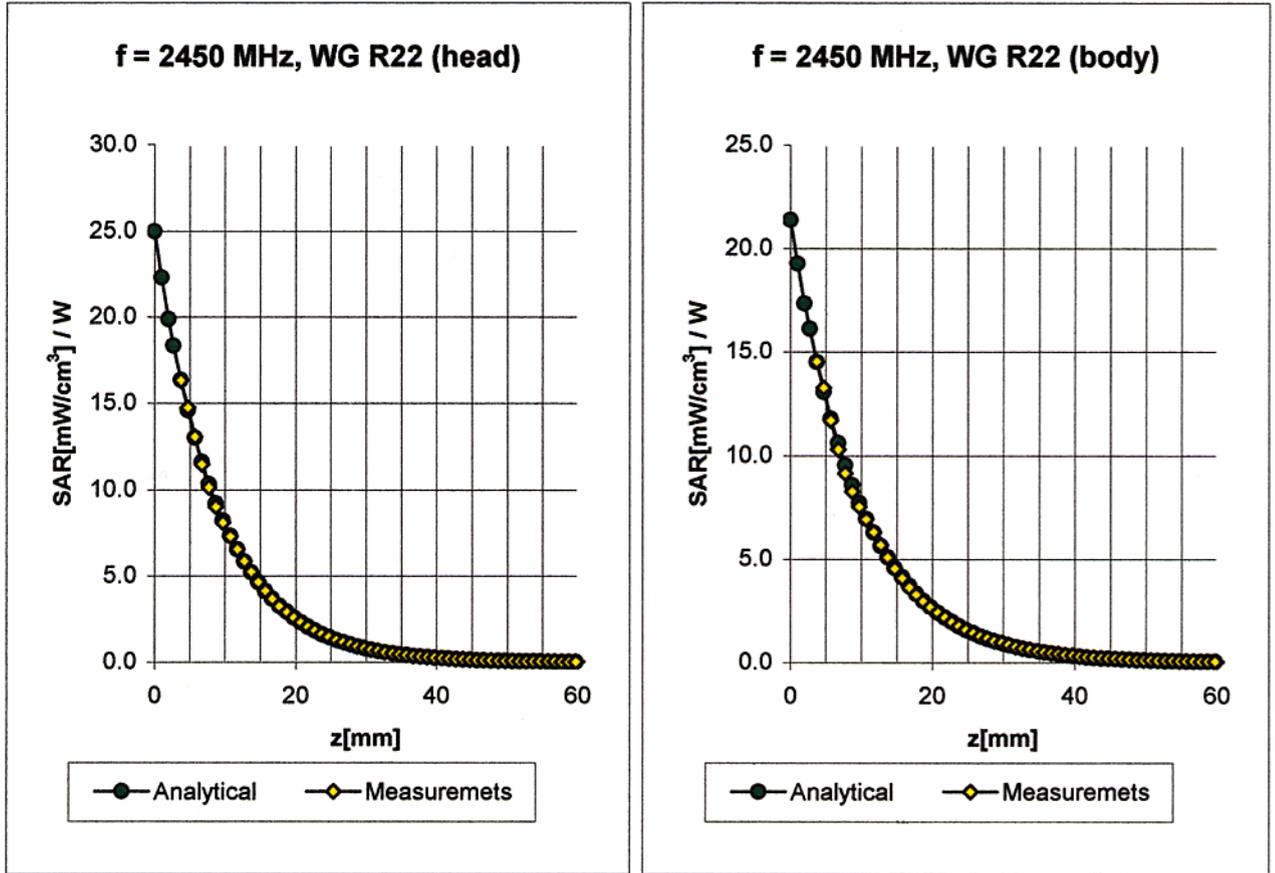
**Head                      1450 MHz                       $\epsilon_r = 40.5 \pm 5\%$                        $\sigma = 1.20 \pm 5\% \text{ mho/m}$**

ConvF X	<b>6.1</b> $\pm 8.9\%$ (k=2)	Boundary effect:
ConvF Y	<b>6.1</b> $\pm 8.9\%$ (k=2)	Alpha <b>0.49</b>
ConvF Z	<b>6.1</b> $\pm 8.9\%$ (k=2)	Depth <b>2.34</b>

**Head                      1950 MHz                       $\epsilon_r = 40.0 \pm 5\%$                        $\sigma = 1.40 \pm 5\% \text{ mho/m}$**

ConvF X	<b>5.2</b> $\pm 8.9\%$ (k=2)	Boundary effect:
ConvF Y	<b>5.2</b> $\pm 8.9\%$ (k=2)	Alpha <b>0.47</b>
ConvF Z	<b>5.2</b> $\pm 8.9\%$ (k=2)	Depth <b>2.68</b>

## Conversion Factor Assessment



<b>2450</b>	<b>Head</b>	<b>MHz</b>	$\epsilon_r = 39.2 \pm 5\%$	$\sigma = 1.80 \pm 5\% \text{ mho/m}$
	ConvF X	<b>4.9</b> $\pm 8.9\%$ (k=2)		Boundary effect:
	ConvF Y	<b>4.9</b> $\pm 8.9\%$ (k=2)		Alpha <b>1.00</b>
	ConvF Z	<b>4.9</b> $\pm 8.9\%$ (k=2)		Depth <b>1.66</b>
<b>2450</b>	<b>Body</b>	<b>MHz</b>	$\epsilon_r = 52.7 \pm 5\%$	$\sigma = 1.95 \pm 5\% \text{ mho/m}$
	ConvF X	<b>4.4</b> $\pm 8.9\%$ (k=2)		Boundary effect:
	ConvF Y	<b>4.4</b> $\pm 8.9\%$ (k=2)		Alpha <b>1.00</b>
	ConvF Z	<b>4.4</b> $\pm 8.9\%$ (k=2)		Depth <b>1.72</b>

# Deviation from Isotropy in HSL

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

