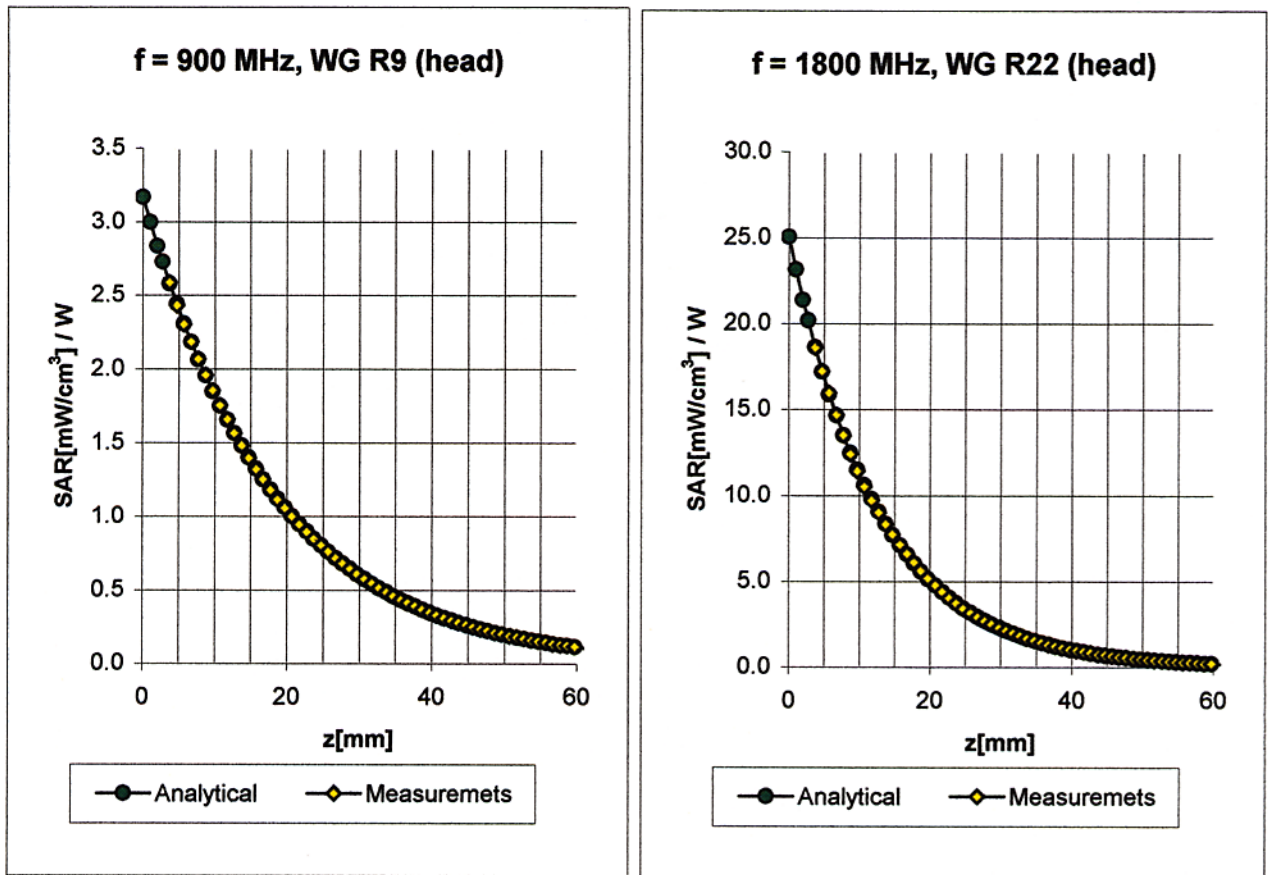


Conversion Factor Assessment

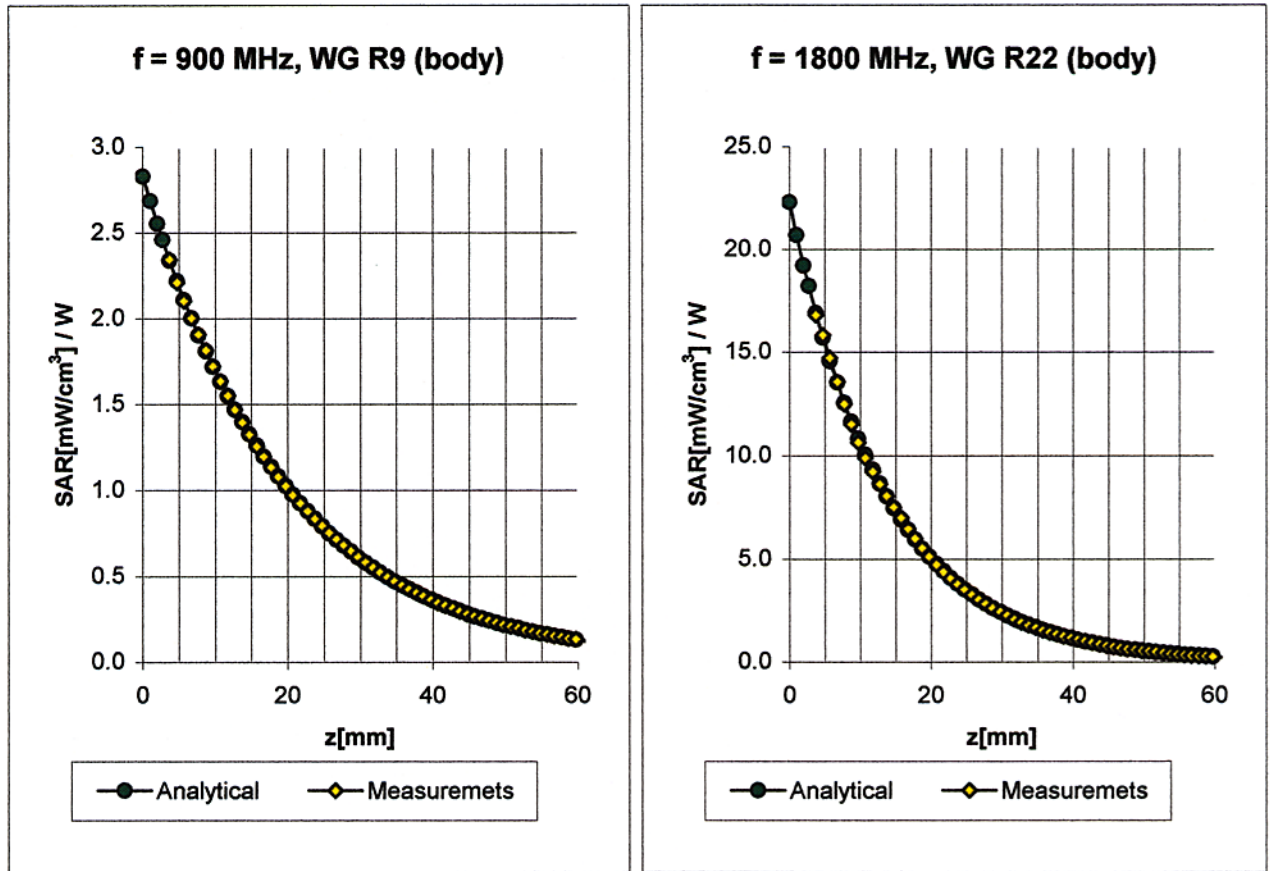


Head	900 MHz	$\epsilon_r = 41.5 \pm 5\%$	$\sigma = 0.97 \pm 5\% \text{ mho/m}$
Head	835 MHz	$\epsilon_r = 41.5 \pm 5\%$	$\sigma = 0.90 \pm 5\% \text{ mho/m}$
	ConvF X	6.8 $\pm 9.5\%$ (k=2)	Boundary effect:
	ConvF Y	6.8 $\pm 9.5\%$ (k=2)	Alpha 0.31
	ConvF Z	6.8 $\pm 9.5\%$ (k=2)	Depth 2.51
Head	1800 MHz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

ET3DV6 SN:1684

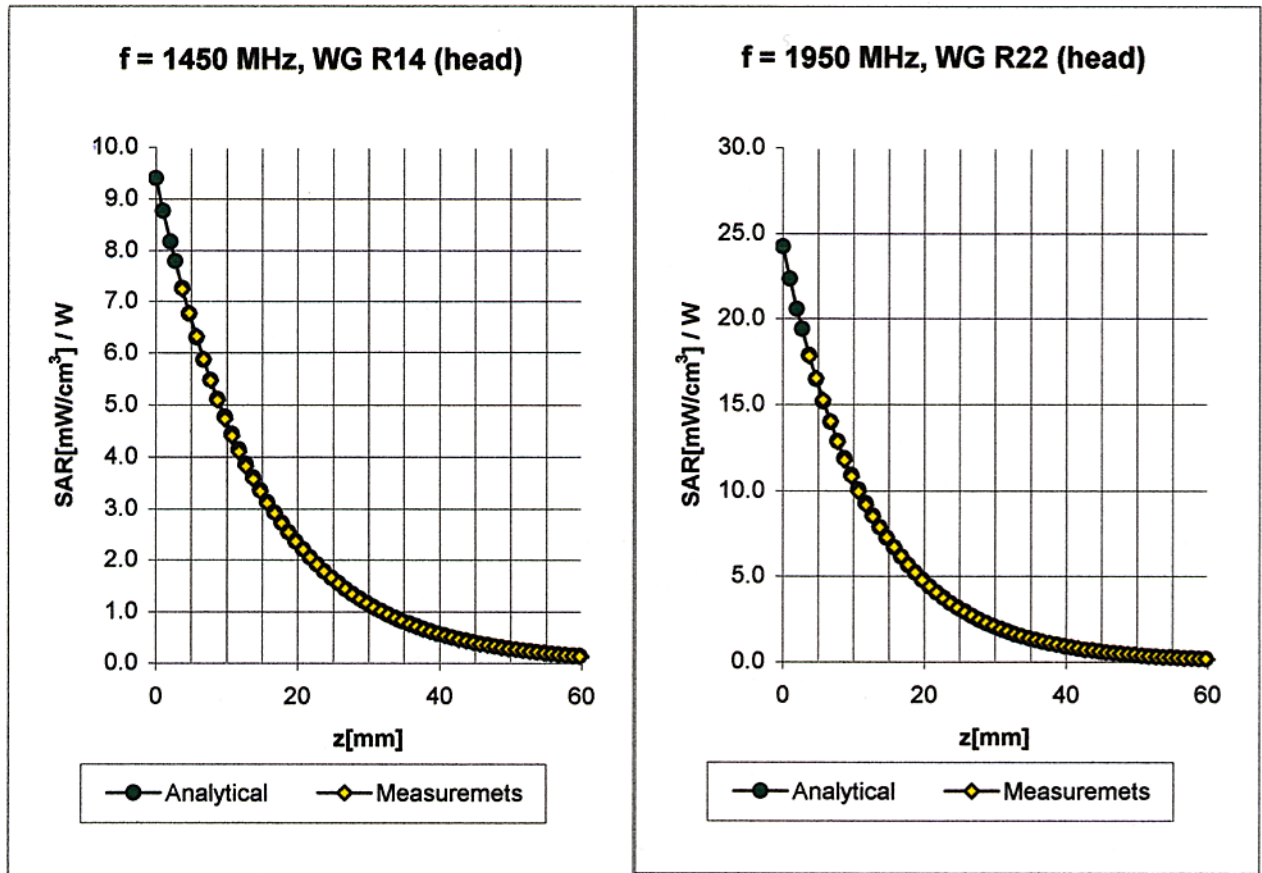
November 20, 2002

Conversion Factor Assessment



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

Conversion Factor Assessment



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

ConvF X **6.1** $\pm 8.9\%$ (k=2)

Boundary effect:

ConvF Y **6.1** $\pm 8.9\%$ (k=2)

Alpha **0.49**

ConvF Z **6.1** $\pm 8.9\%$ (k=2)

Depth **2.34**

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

ConvF X **5.2** $\pm 8.9\%$ (k=2)

Boundary effect:

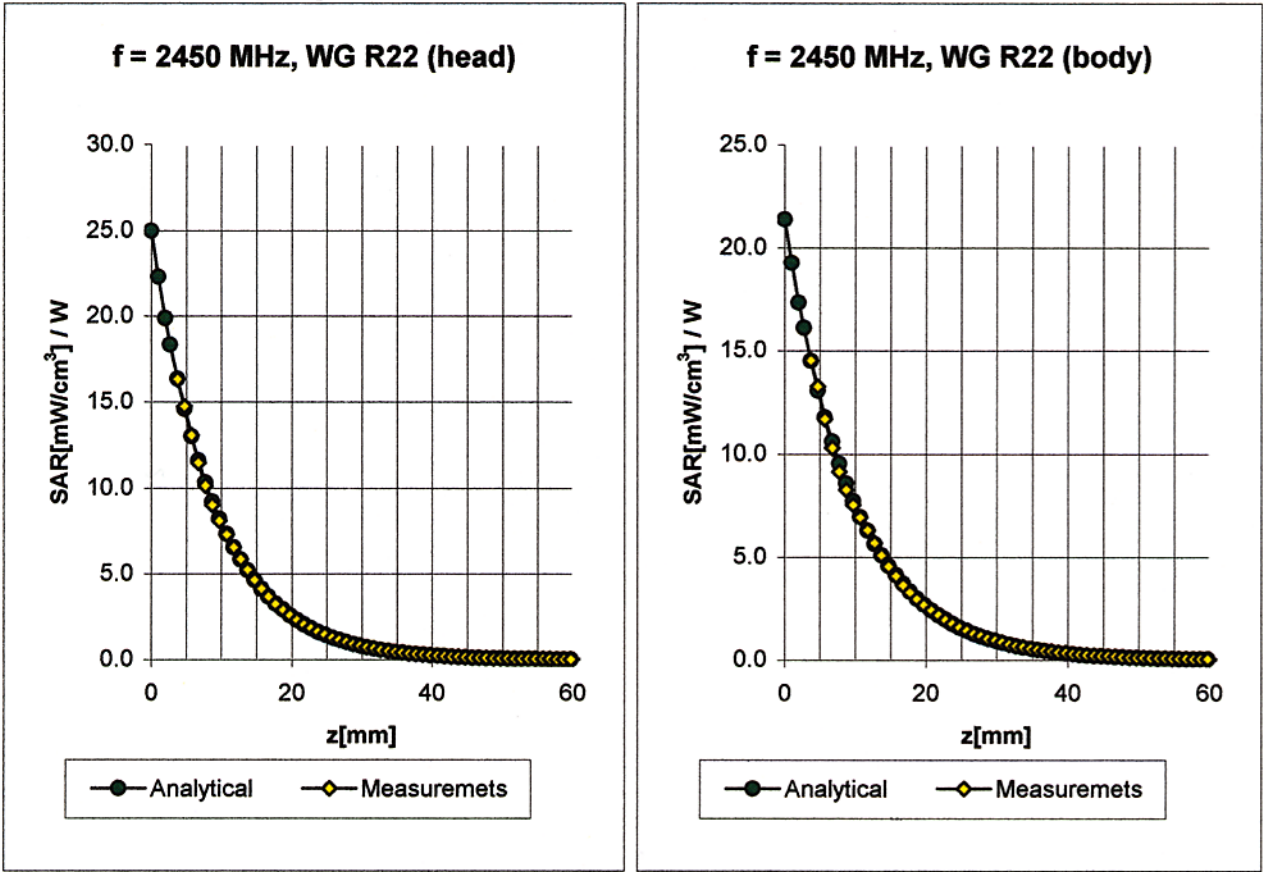
ConvF Y **5.2** $\pm 8.9\%$ (k=2)

Alpha **0.47**

ConvF Z **5.2** $\pm 8.9\%$ (k=2)

Depth **2.68**

Conversion Factor Assessment



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

Deviation from Isotropy in HSL

Error (θ, ϕ), $f = 900 \text{ MHz}$

