

# Probe EX3DV3

SN:3504

Manufactured:	December 15, 2003
Last calibrated:	February 20, 2004

Calibrated for DASY Systems

(Note: non-compatible with DASY2 system!)

## DASY - Parameters of Probe: EX3DV3 SN:3504

### Sensitivity in Free Space

NormX	0.59 $\mu\text{V}/(\text{V}/\text{m})^2$
NormY	0.58 $\mu\text{V}/(\text{V}/\text{m})^2$
NormZ	0.64 $\mu\text{V}/(\text{V}/\text{m})^2$

### Diode Compression<sup>A</sup>

DCP X	96	mV
DCP Y	96	mV
DCP Z	96	mV

### Sensitivity in Tissue Simulating Liquid (Conversion Factors)

Please see Page 7.

### Boundary Effect

Head                      900 MHz      Typical SAR gradient: 5 % per mm

Sensor Cener to Phantom Surface Distance		2.0 mm	3.0 mm
SAR <sub>be</sub> [%]	Without Correction Algorithm	2.8	1.0
SAR <sub>be</sub> [%]	With Correction Algorithm	0.0	0.1

Head                      1800 MHz      Typical SAR gradient: 10 % per mm

Sensor to Surface Distance		2.0 mm	3.0 mm
SAR <sub>be</sub> [%]	Without Correction Algorithm	4.6	2.8
SAR <sub>be</sub> [%]	With Correction Algorithm	0.1	0.3

### Sensor Offset

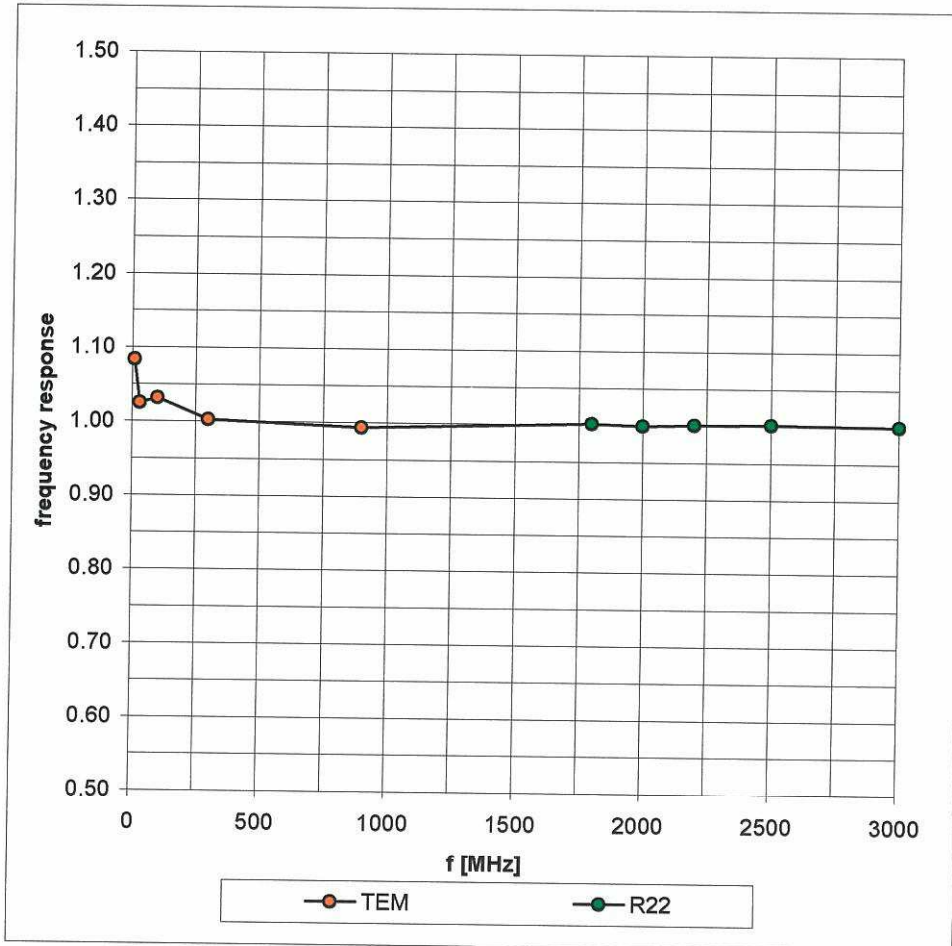
Probe Tip to Sensor Center                      **1.0** mm

The reported uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor  $k=2$ , which for a normal distribution corresponds to a coverage probability of approximately 95%.

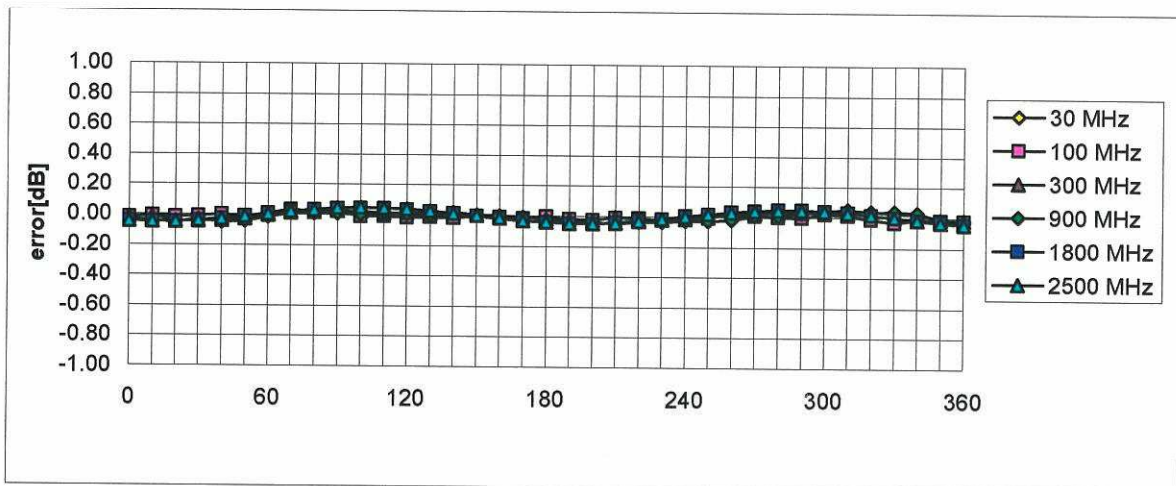
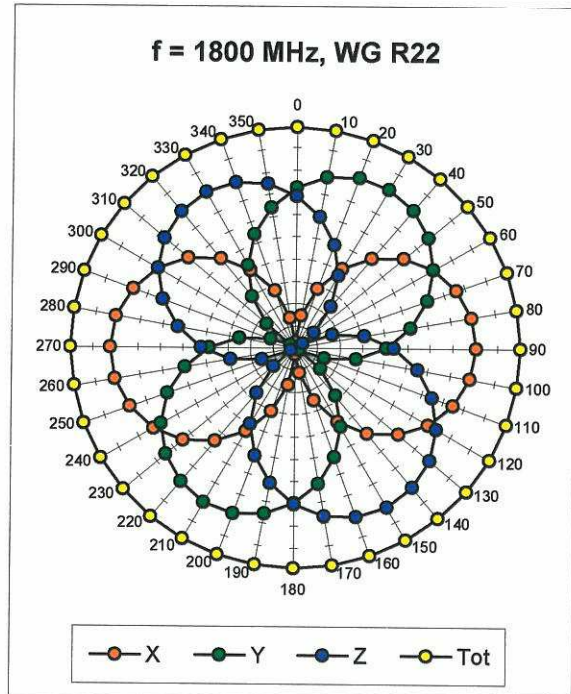
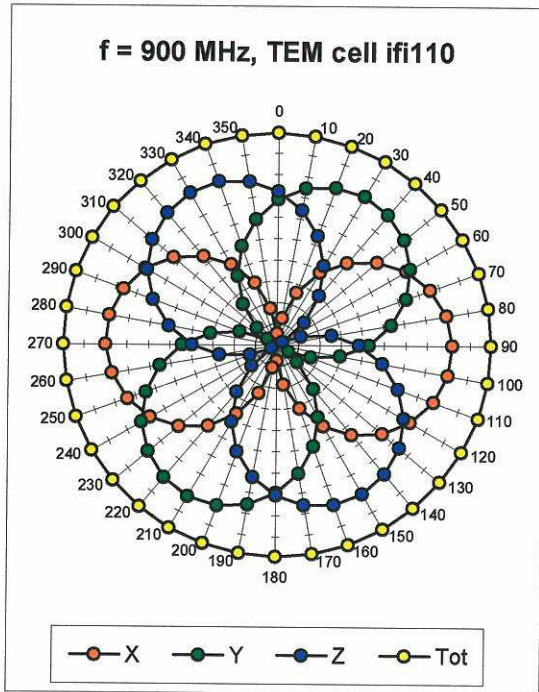
<sup>A</sup> numerical linearization parameter: uncertainty not required

# Frequency Response of E-Field

( TEM-Cell:ifi110, Waveguide R22)



### Receiving Pattern ( $\phi$ ) , $\theta = 0^\circ$



**Axial Isotropy Error <math>\pm 0.2\text{ dB}</math>**