

ER3DV6 SN:2256

August 22, 2008

## DASY - Parameters of Probe: ER3DV6 SN:2256

Sensitivity in Free Space [ $\mu\text{V}/(\text{V}/\text{m})^2$ ]      Diode Compression<sup>A</sup>

NormX	2.20 ± 10.1 % (k=2)	DCP X	91 mV
NormY	1.57 ± 10.1 % (k=2)	DCP Y	93 mV
NormZ	1.65 ± 10.1 % (k=2)	DCP Z	99 mV

### Frequency Correction

X	0.0
Y	0.0
Z	0.0

### Sensor Offset (Probe Tip to Sensor Center)

X	2.5 mm
Y	2.5 mm
Z	2.5 mm

Connector Angle      -248 °

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%.

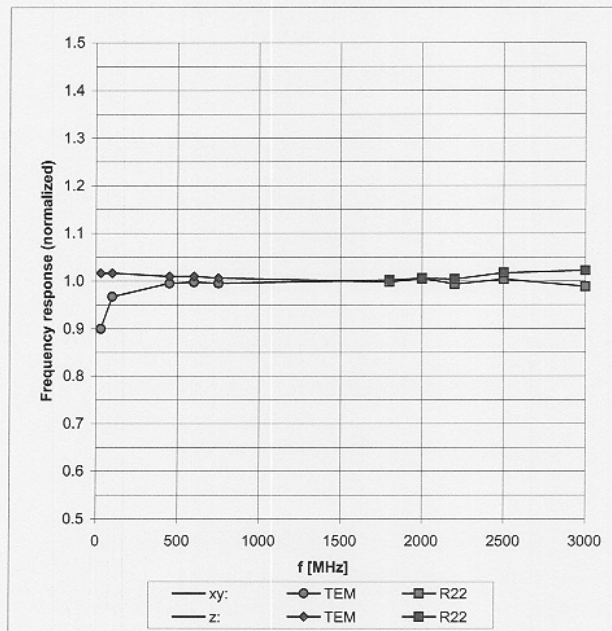
<sup>A</sup> numerical linearization parameter: uncertainty not required

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## Frequency Response of E-Field

(TEM-Cell:ifi110 EXX, Waveguide R22)

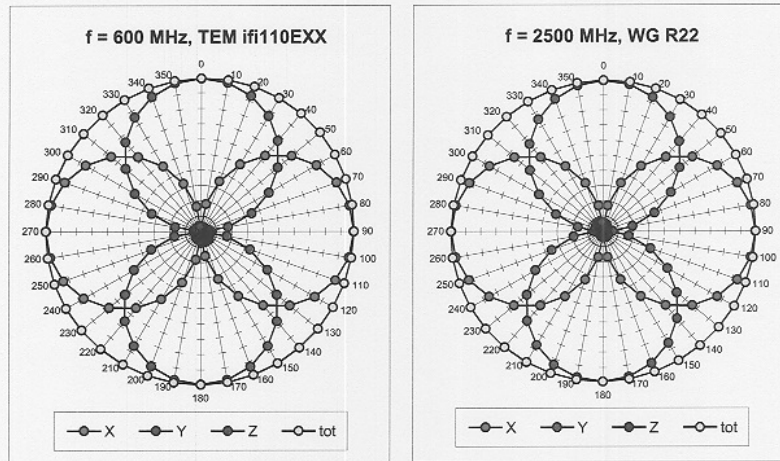


Uncertainty of Frequency Response of E-field:  $\pm 6.3\%$  (k=2)

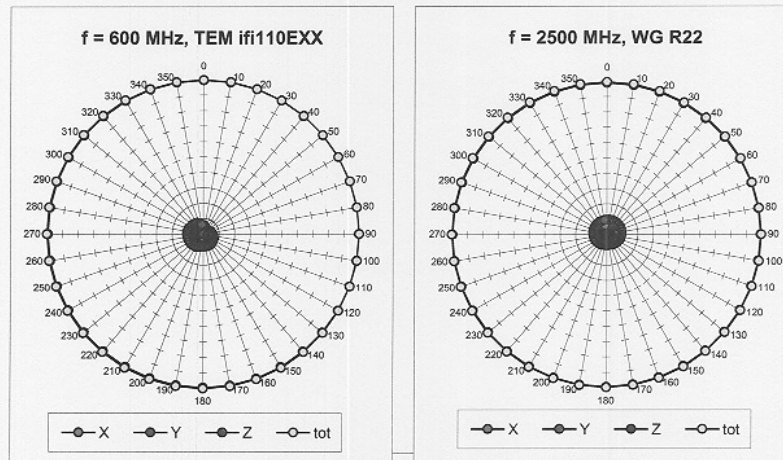
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### Receiving Pattern ( $\phi$ ), $\vartheta = 0^\circ$



### Receiving Pattern ( $\phi$ ), $\vartheta = 90^\circ$



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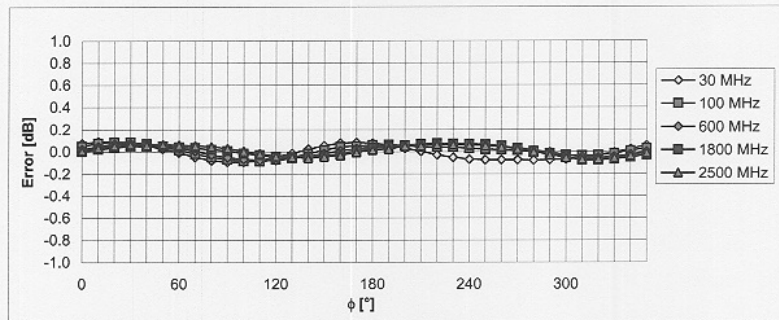
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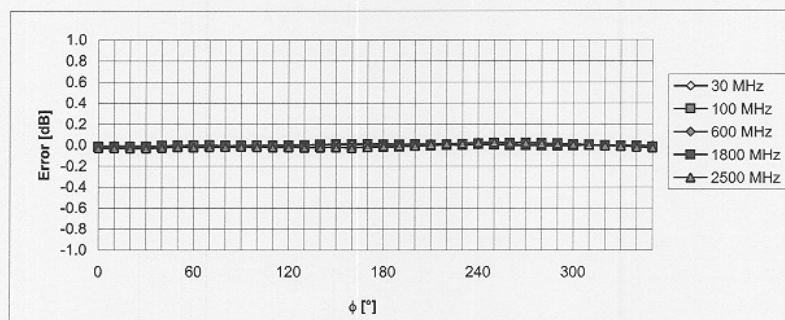
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### Receiving Pattern ( $\phi$ ), $\vartheta = 0^\circ$



Uncertainty of Axial Isotropy Assessment:  $\pm 0.5\%$  ( $k=2$ )

### Receiving Pattern ( $\phi$ ), $\vartheta = 90^\circ$



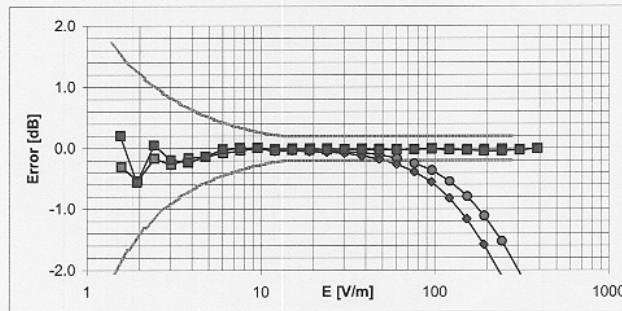
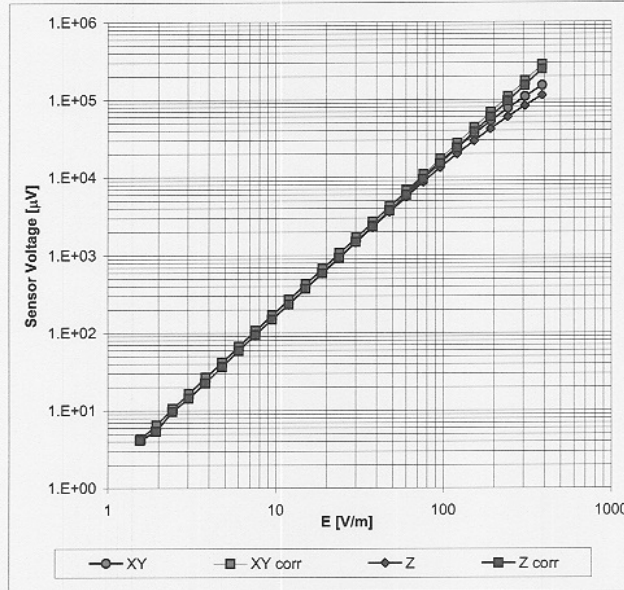
Uncertainty of Axial Isotropy Assessment:  $\pm 0.5\%$  ( $k=2$ )

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## Dynamic Range f(E-field)

(Waveguide R22, f = 1800 MHz)



Uncertainty of Linearity Assessment:  $\pm 0.6\%$  (k=2)

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