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#### Calibration coefficients for the three dipoles in CW:

Sensitivity in liquid:

Liquid	Epsilon	Sigma (S/m)	CF dipole 1 (W.kg-1 (mV)-1)	CF dipole 2 (W.kg-1 (mV)-1)	CF dipole 3 (W.kg-1 (mV)-1)
Head	38.56	1.33	37.12	38.56	50.42
Body	51.99	1.49	36.66	37.99	49.66

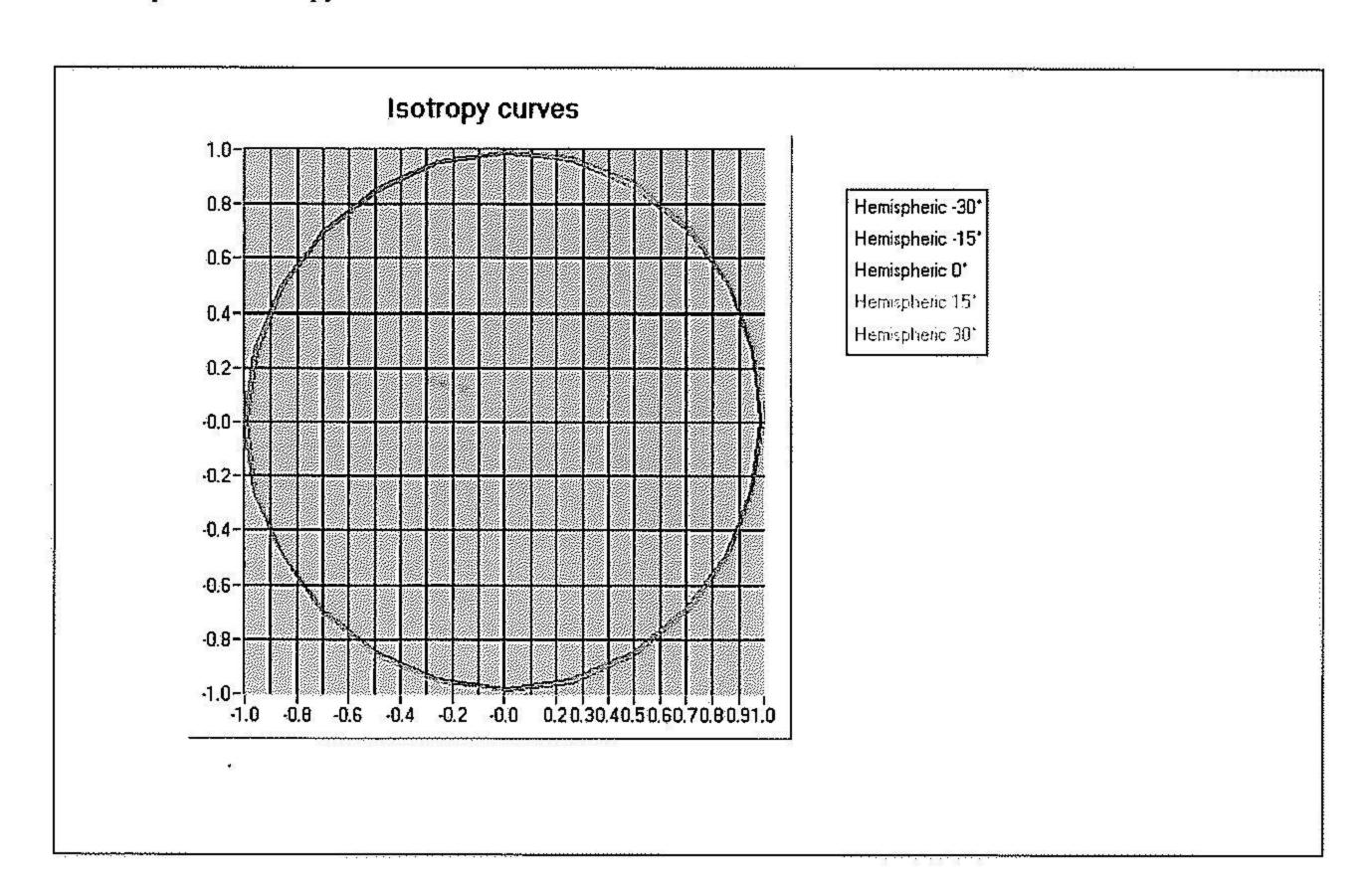
### B. Isotropy.

- Axial isotropy:

0.050 dB

- Hemispherical isotropy:

0.076 dB



## C. Linearity.

- Linearity:

0.03 dB



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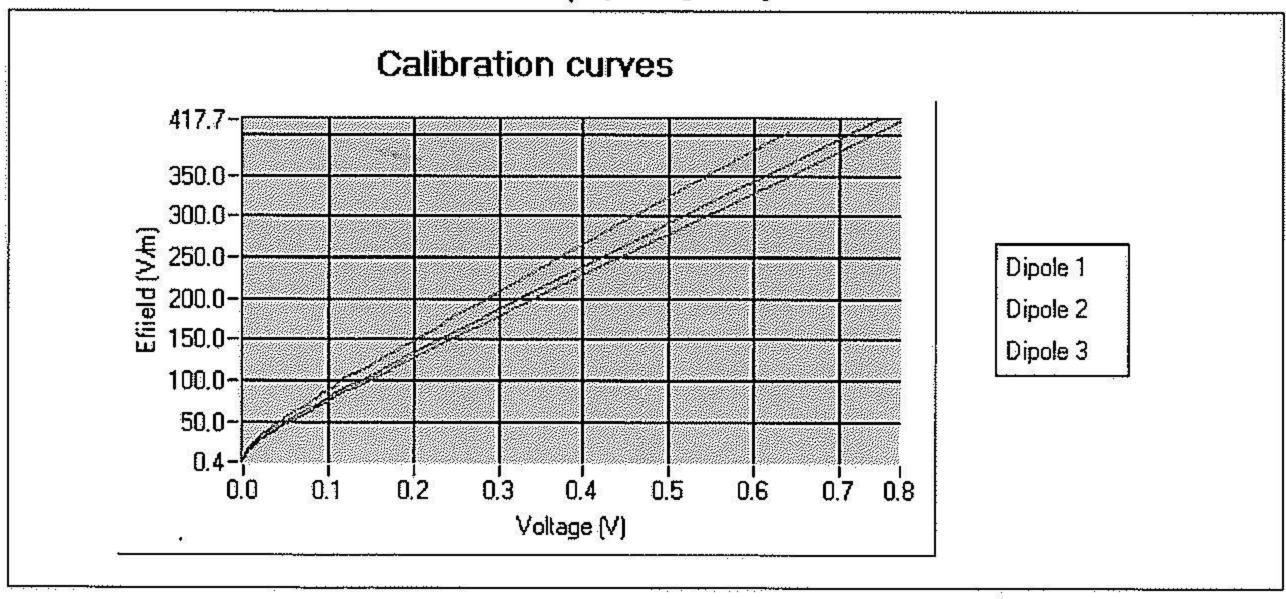
# 4. Calibration at 1880.00 MHz

### A. Calibration parameters.

Label	1900		
Epsilon	38.33 1.44 S/m 21°C 0.19 dB		
Sigma			
Temperature			
Cable loss			
Coupler loss	21.14 dB		
Waveguide S11	-26.91 dB		
Low limit detection	0.797 V/m (0.91 mW/kg)		

Calibration curves ei=f(V) (i=1,2,3) allow to obtain E-field value using the formula:

$$E = \sqrt{E_1^2 + E_2^2 + E_3^2}$$



The following tables represent the calibration curves linearization by curve segment in CW signal.



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#### Calibration coefficients for the three dipoles in CW:

Sensitivity in liquid:

Liquid	Epsilon	Sigma (S/m)	CF dipole 1 (W.kg-1 (mV)-1)	CF dipole 2 (W.kg-1 (mV)-1)	CF dipole 3 (W.kg-1 (mV)-1)
Head	38.35	1.45	41.05	42.35	55.45
Body	52.12	1.52	40.42	41.12	54.75

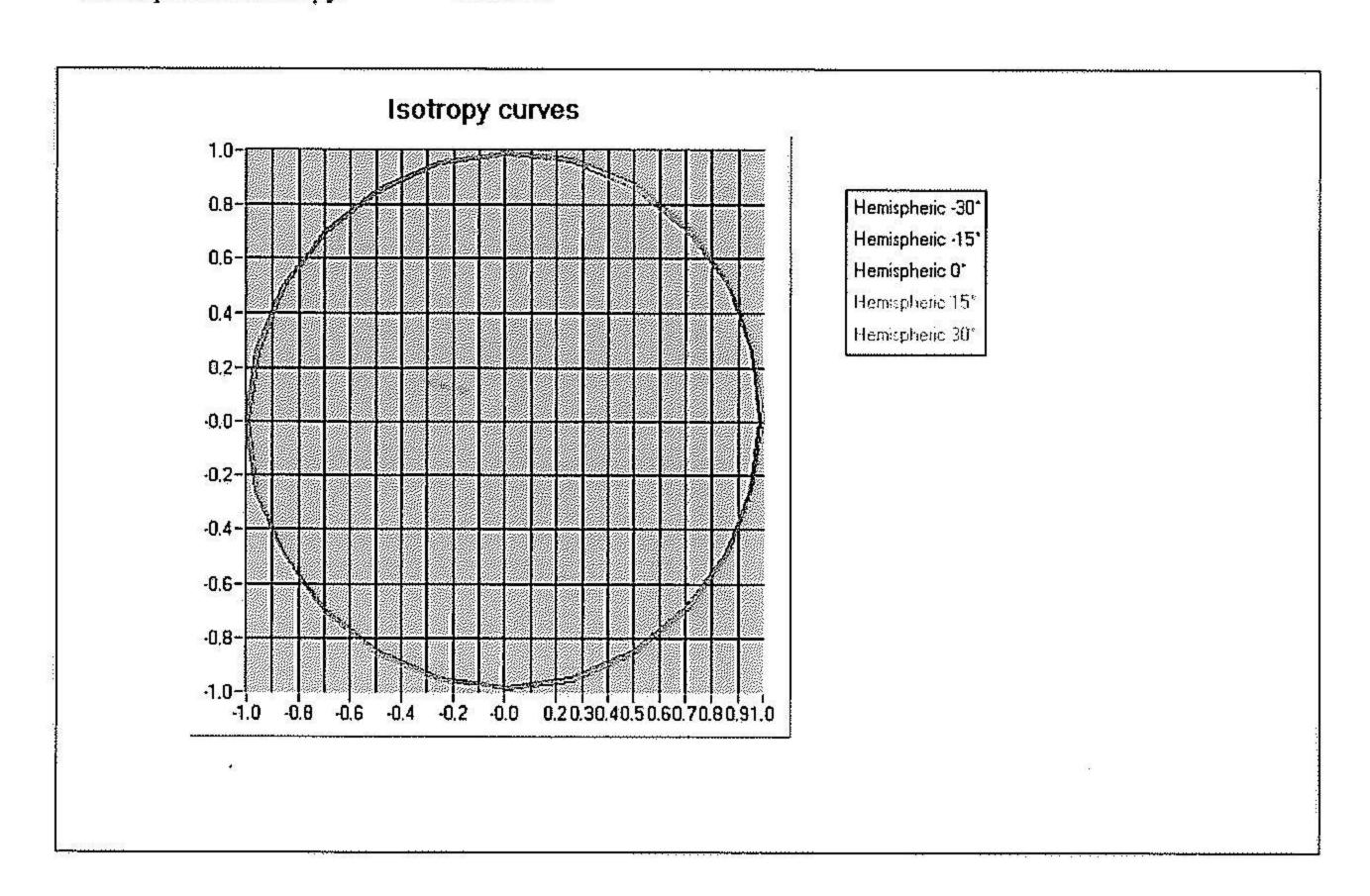
# B. Isotropy.

- Axial isotropy:

0.050 dB

- Hemispherical isotropy:

0.076 dB



# C. Linearity.

- Linearity:

 $0.03 \, \mathrm{dB}$ 



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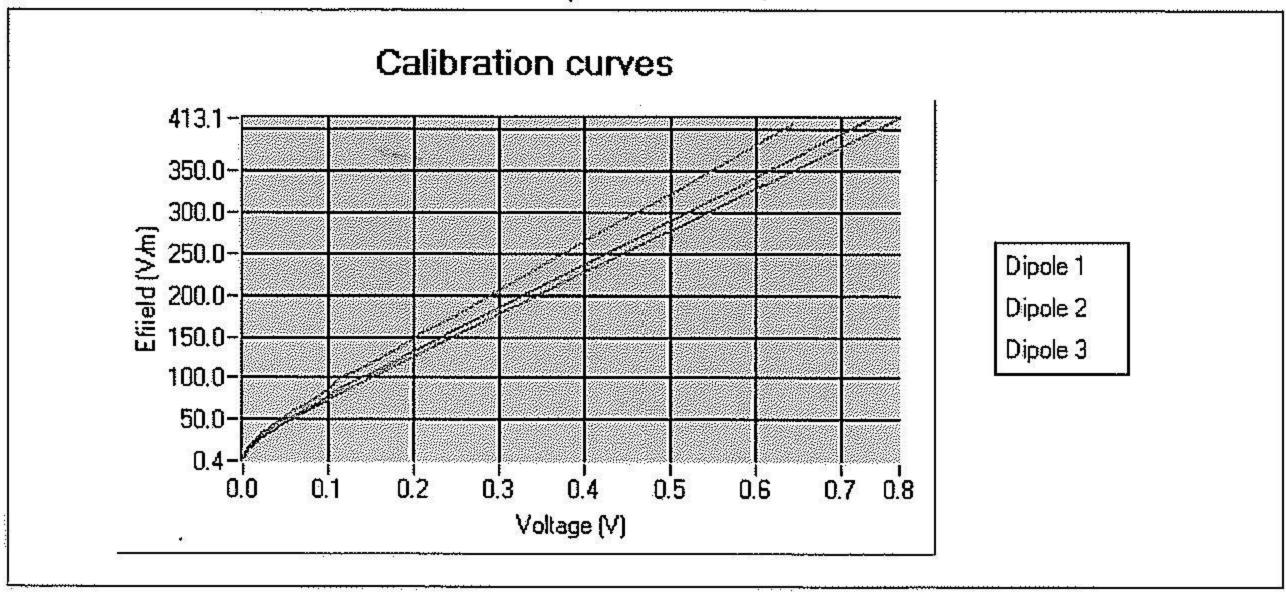
# 5. Calibration at 1950.00 MHz

### A. Calibration parameters.

Label	2000 38.18		
Epsilon			
Sigma	1.48 S/m		
Temperature	21°C 0.18 dB		
Cable loss			
Coupler loss	20.09 dB		
Waveguide S11	-30.09 dB		
Low limit detection	0.788 V/m (0.93 mW/kg)		

Calibration curves ei=f(V) (i=1,2,3) allow to obtain E-field value using the formula:

$$E = \sqrt{E_1^2 + E_2^2 + E_3^2}$$



The following tables represent the calibration curves linearization by curve segment in CW signal.



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#### Calibration coefficients for the three dipoles in CW:

Sensitivity in liquid:

Liquid	Epsilon	Sigma (S/m)	CF dipole 1 (W.kg-1 (mV)-1)	CF dipole 2 (W.kg-1 (mV)-1)	CF dipole 3 (W.kg-1 (mV)-1)
Head	38.18	1.45	41.91	43.15	56.44
Body	54.05	1.52	41.01	42.41	55.65

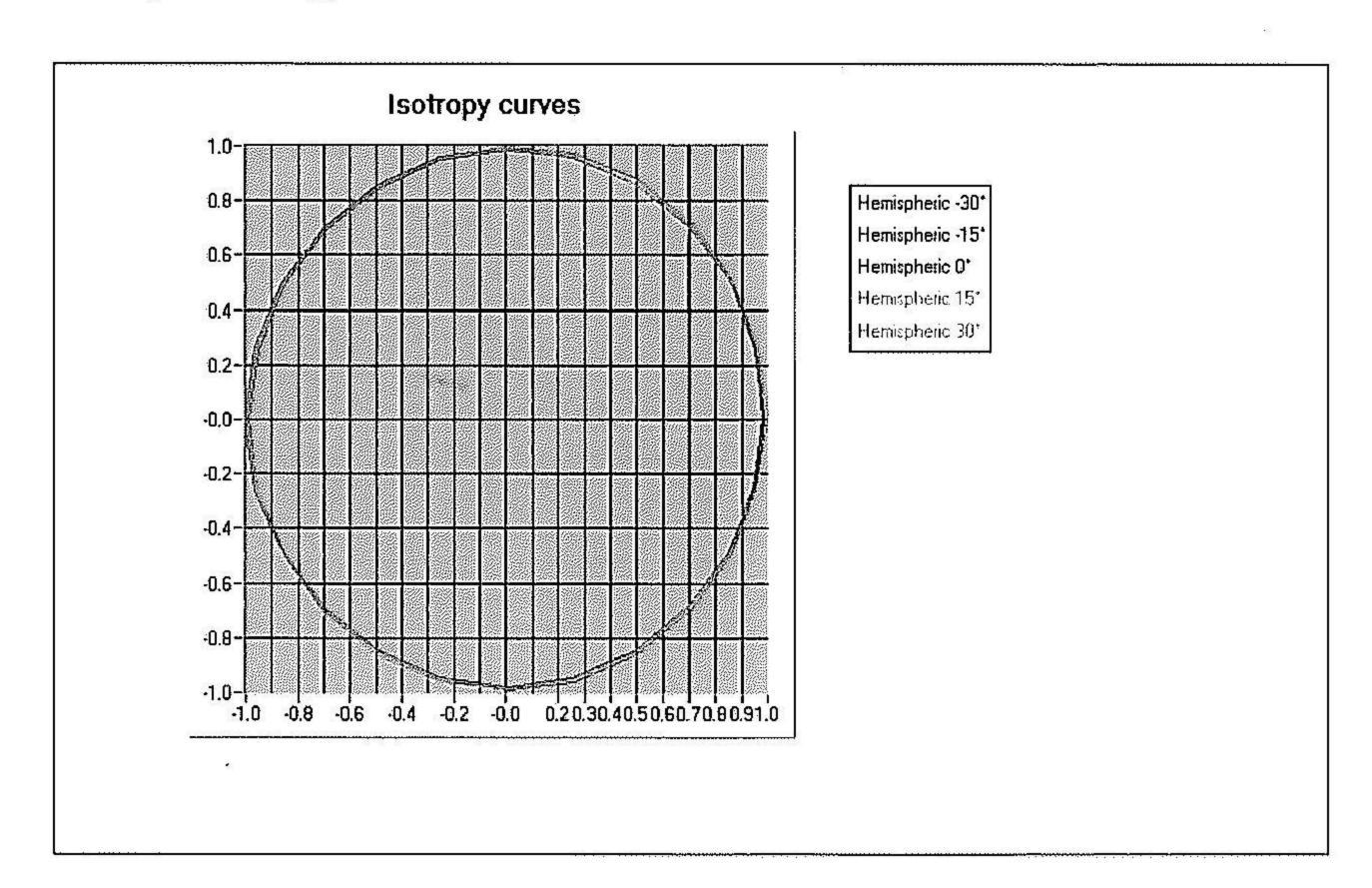
### B. Isotropy.

- Axial isotropy:

0.050 dB

- Hemispherical isotropy:

0.076 dB



# C. Linearity.

- Linearity:

0.03 dB



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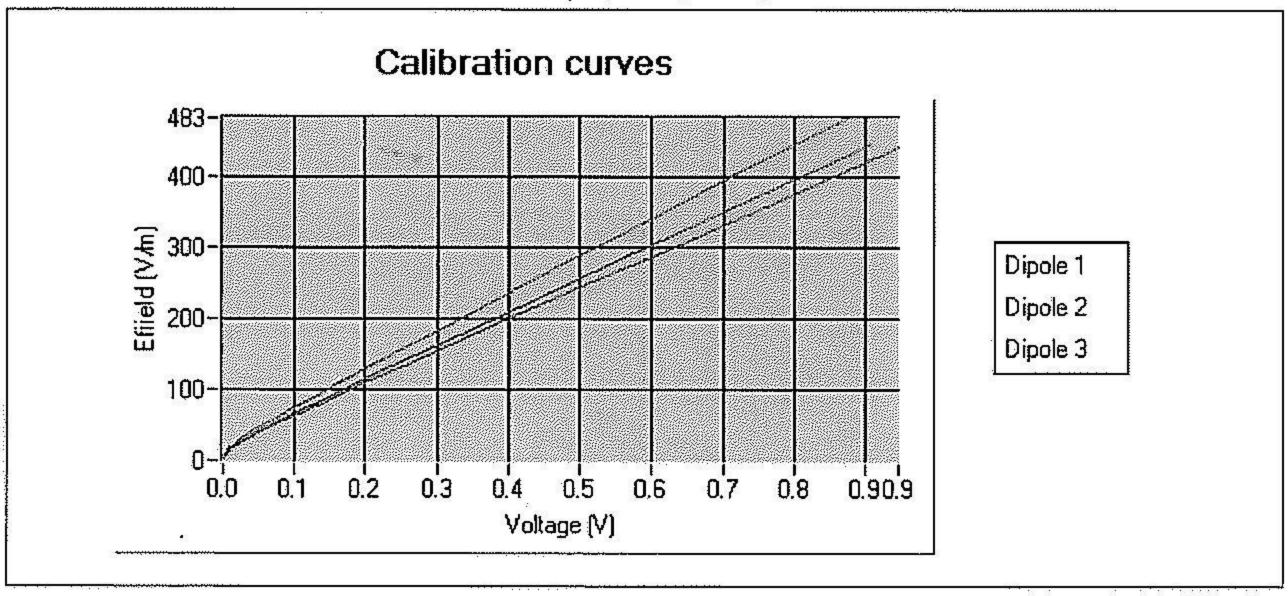
## 6. Calibration at 2450.00 MHz

## A. Calibration parameters.

	16.0 16.0 16.0 16.0 16.0 16.0 16.0 16.0		
Label	2450 37.45		
Epsilon			
Sigma	1.75 S/m		
Temperature	21°C		
Cable loss	0.22 dB		
Coupler loss	21.52 dB		
Waveguide S11	-13.66 dB		
Low limit detection	0.794 V/m (1.07 mW/kg)		

Calibration curves ei=f(V) (i=1,2,3) allow to obtain E-field value using the formula:

$$E = \sqrt{E_1^2 + E_2^2 + E_3^2}$$



The following tables represent the calibration curves linearization by curve segment in CW signal.



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#### Calibration coefficients for the three dipoles in CW:

Sensitivity in liquid:

Liquid	Epsilon	Sigma (S/m)	CF dipole 1 (W.kg-1 (mV)-1)	CF dipole 2 (W.kg-1 (mV)-1)	CF dipole 3 (W.kg-1 (mV)-1)
Head	37.45	1.75	51.18	53.87	70.48
Body	53.70	1.95	50.35	52.98	69.78

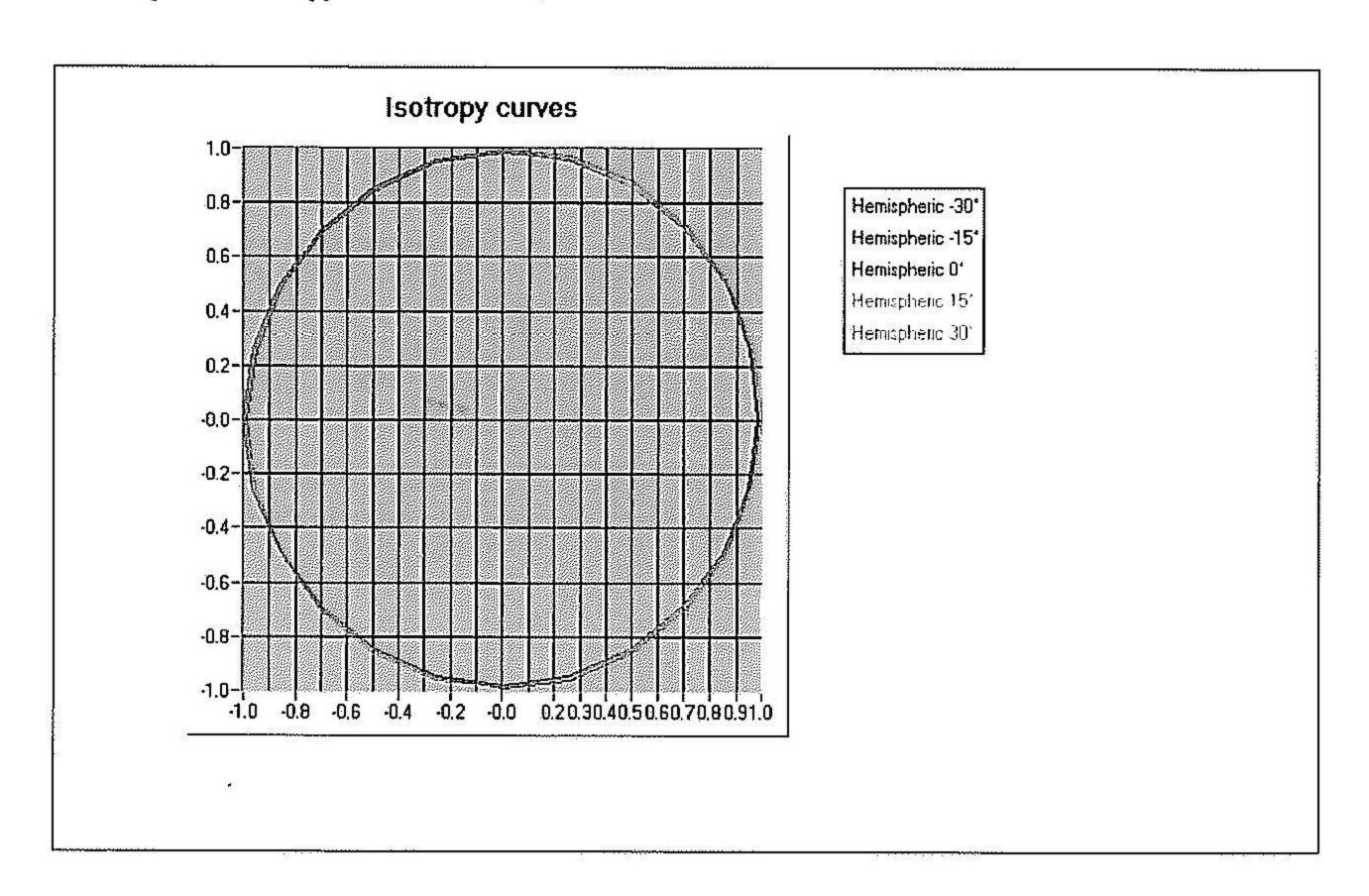
## B. Isotropy.

- Axial isotropy:

0.050 dB

- Hemispherical isotropy:

0.076 dB



# C. Linearity.

- Linearity:

0.03 dB