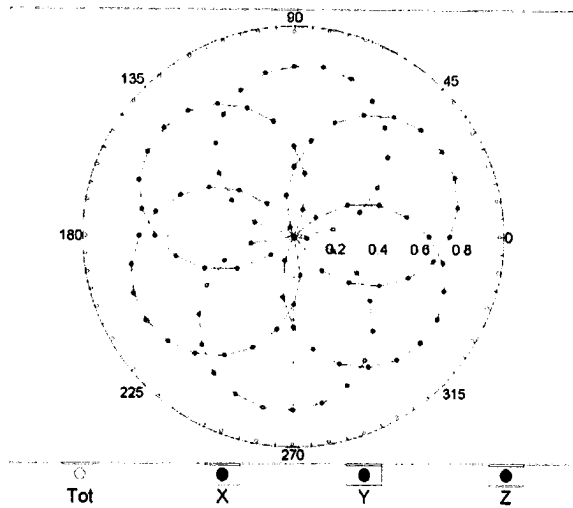
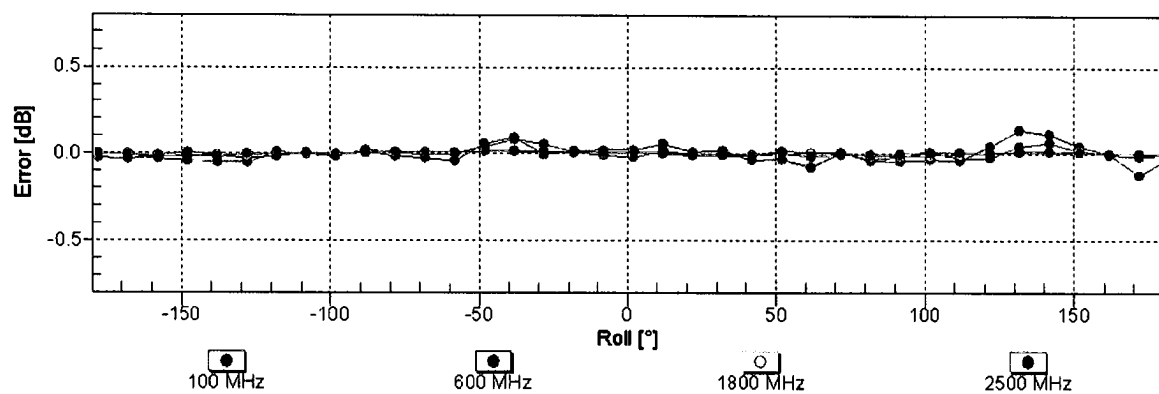
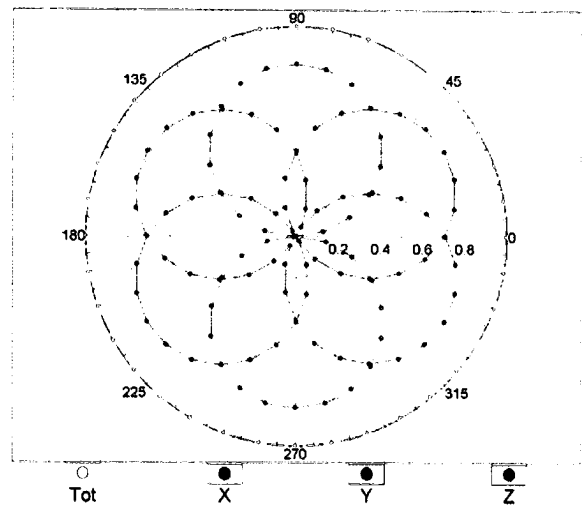


Receiving Pattern (ϕ), $\vartheta = 0^\circ$

f=600 MHz,TEM

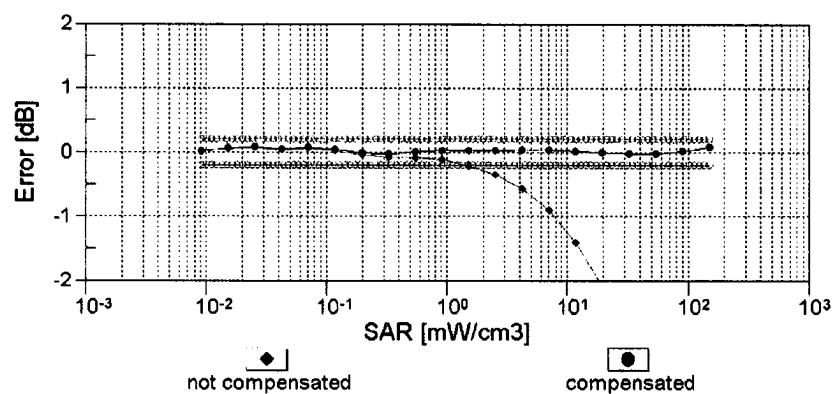
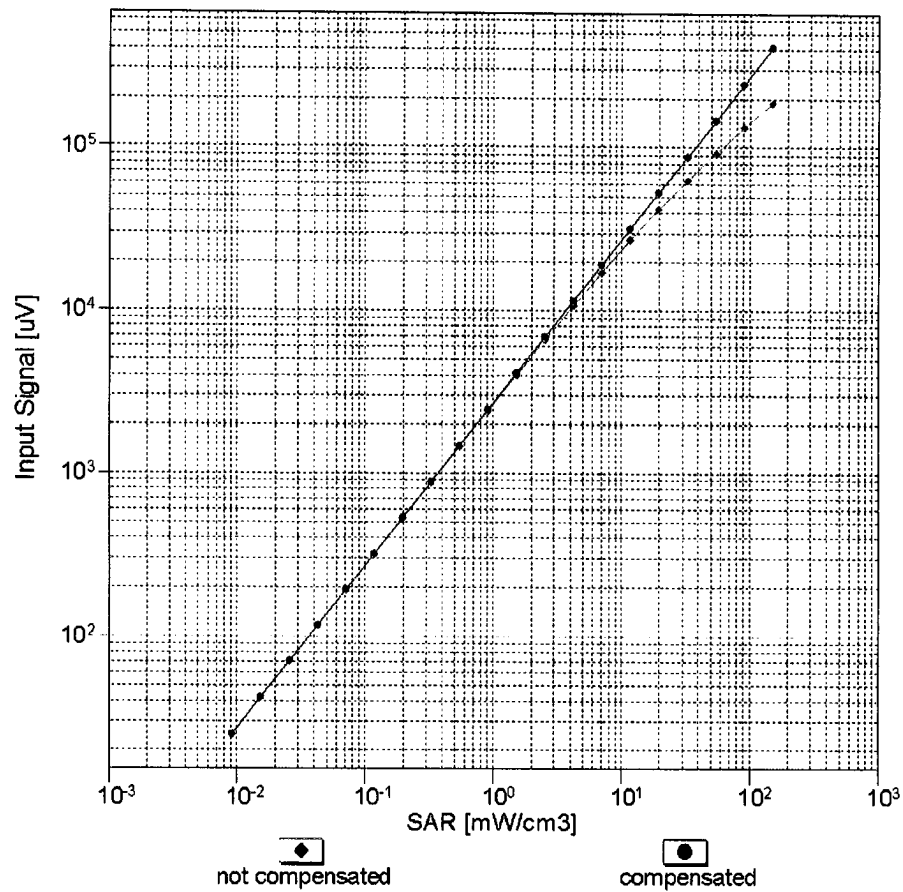


f=1800 MHz,R22



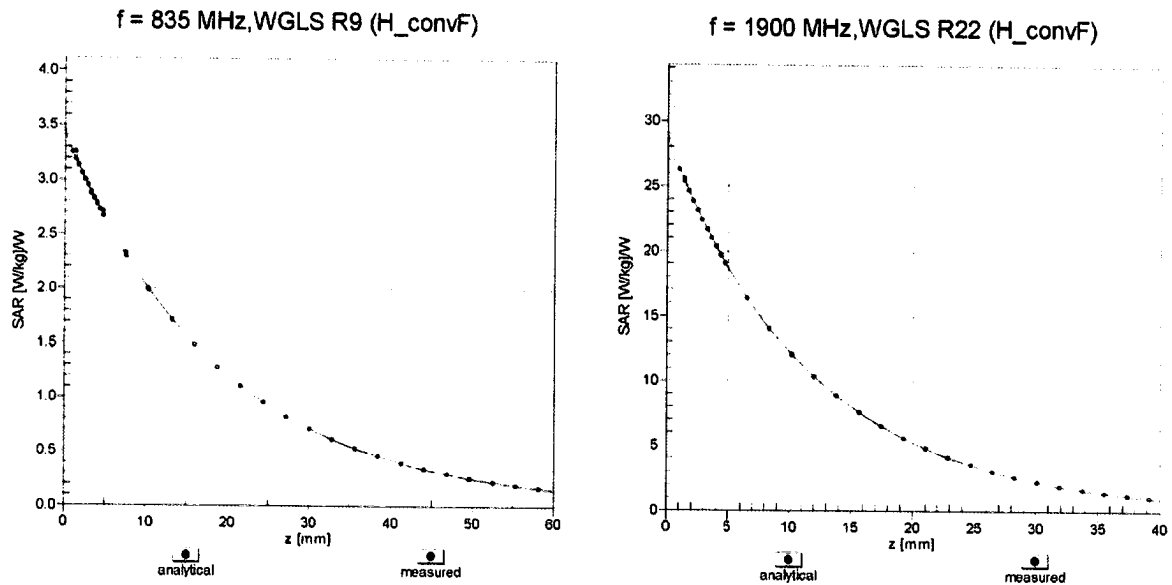
Uncertainty of Axial Isotropy Assessment: $\pm 0.5\%$ ($k=2$)

Dynamic Range $f(\text{SAR}_{\text{head}})$ **(TEM cell , $f_{\text{eval}} = 1900 \text{ MHz}$)**



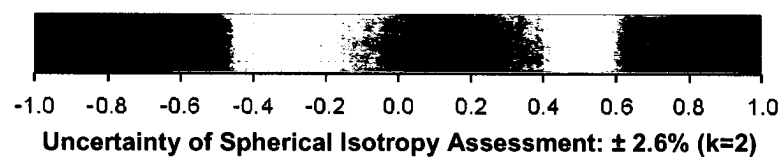
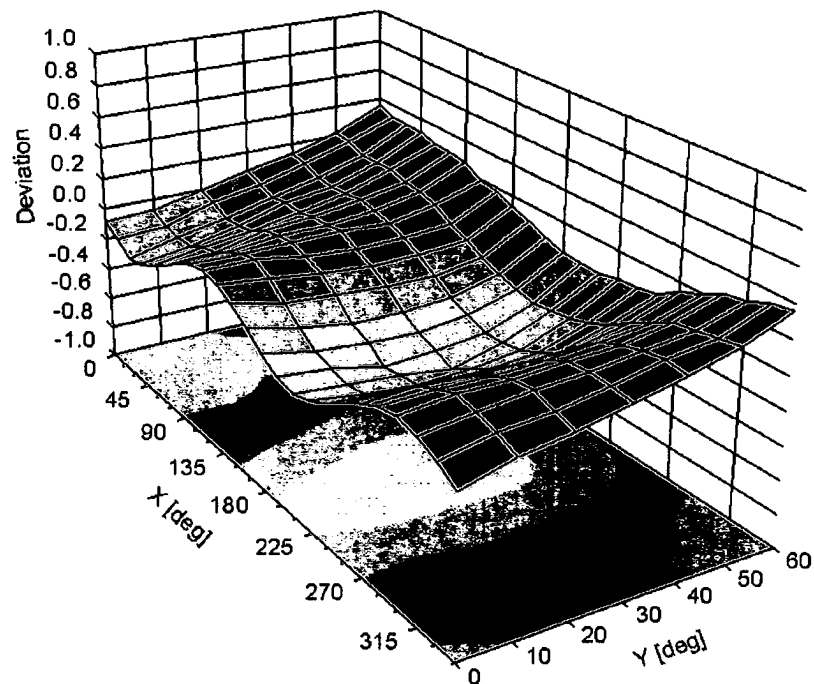
Uncertainty of Linearity Assessment: $\pm 0.6\%$ ($k=2$)

Conversion Factor Assessment



Deviation from Isotropy in Liquid

Error (ϕ, θ), $f = 900 \text{ MHz}$



DASY/EASY - Parameters of Probe: EX3DV4 - SN:3911

Other Probe Parameters

Sensor Arrangement	Triangular
Connector Angle (°)	81.9
Mechanical Surface Detection Mode	enabled
Optical Surface Detection Mode	disabled
Probe Overall Length	337 mm
Probe Body Diameter	10 mm
Tip Length	9 mm
Tip Diameter	2.5 mm
Probe Tip to Sensor X Calibration Point	1 mm
Probe Tip to Sensor Y Calibration Point	1 mm
Probe Tip to Sensor Z Calibration Point	1 mm
Recommended Measurement Distance from Surface	1.4 mm

**CUSTOMER
COPY****PROBE REPAIR REPORT – SPEAG Production Center**

PRODUCT:		EX3DV4	
SERIAL Nr.:		3911	IN DATE: 14-Sep-2015
CUSTOMER:		Sporton CN (Auden)	
PROBE REPAIR			
MATERIAL	WORK DESCRIPTION		WORKING TIME (h)
Proximity Sensor (PEEK)	fixed ☐	exchanged ☐	 ☐
Core replacement:	fixed ☐	exchanged ☐	 ☐
Dipole sensor:	fixed ☐	exchanged ☐	 ☐
Substrate:	fixed ☐	exchanged ☐	 ☐
Components (diodes)	fixed ☐	exchanged ☐	Y-channel ☒
Components (capacitors)	fixed ☐	exchanged ☐	 ☐
Bonding R-lines - substrate	fixed ☐	exchanged ☐	 ☐
Probe tip:	fixed ☐	exchanged ☐	 ☐
Probe connector:	fixed ☐	exchanged ☐	 ☐
Probe tube	fixed ☐	exchanged ☐	 ☐
Modification DS installed:	fixed ☐	installed ☐	 ☐
Analysis:			 ☐
Final Assembly:			 ☐
Total hours			2.50 hours
COMMENTS:			
The probe was returned for repair. Receiving inspection found low response on Y channel. The probe was opened for further inspection. The Y channel diode was found to be defective. In order to re establish full probe functionality the Y channel diode was replaced. The probe will get newly calibrated after this repair.			
CONDUCTED BY:		APPROVED BY:	
DATE: <u>17-Sep-2015</u>		DATE: <u>17-Sep-2015</u>	
REPAIR COST:			
MATERIAL COST:		USD	Euro
REPAIR:		☐	☐
		☐	☐
TOTAL COST:		QUOTATION #:	
S+M		-	
APPROVED BY:			
DATE: <u>17-Sep-2015</u>			