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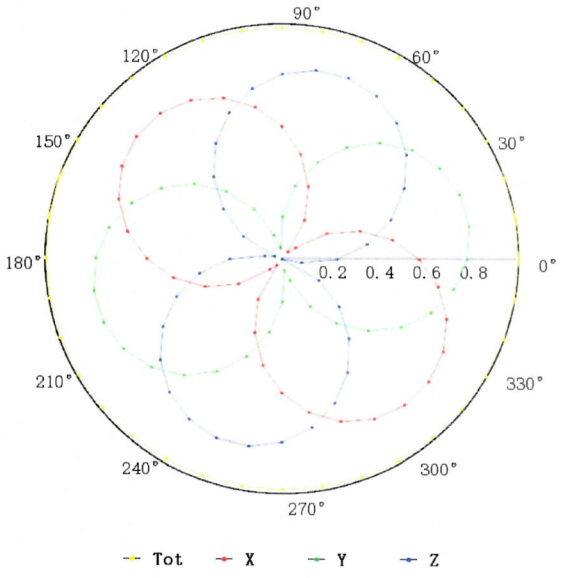
CALIBRATION LABORATORY

CAICT

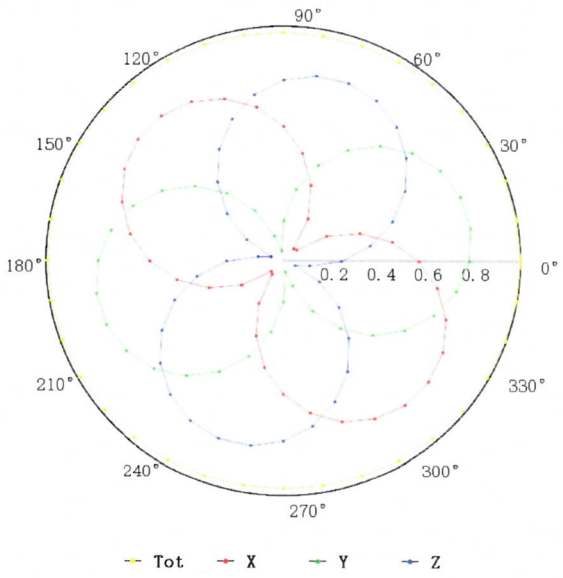
Add: No.52 HuaYuanBei Road, Haidian District, Beijing, 100191, China
Tel: +86-10-62304633-2117
E-mail: emf@caict.ac.cn http://www.caict.ac.cn

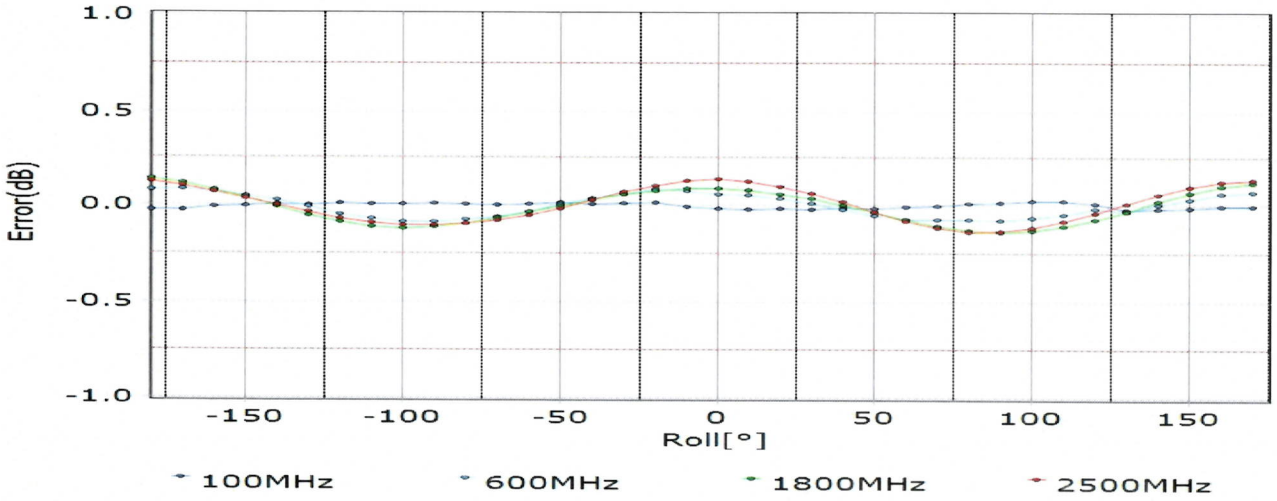
Receiving Pattern (Φ), θ=0°

f=600 MHz, TEM



f=1800 MHz, R22





Uncertainty of Axial Isotropy Assessment: ±1.2% (*k*=2)

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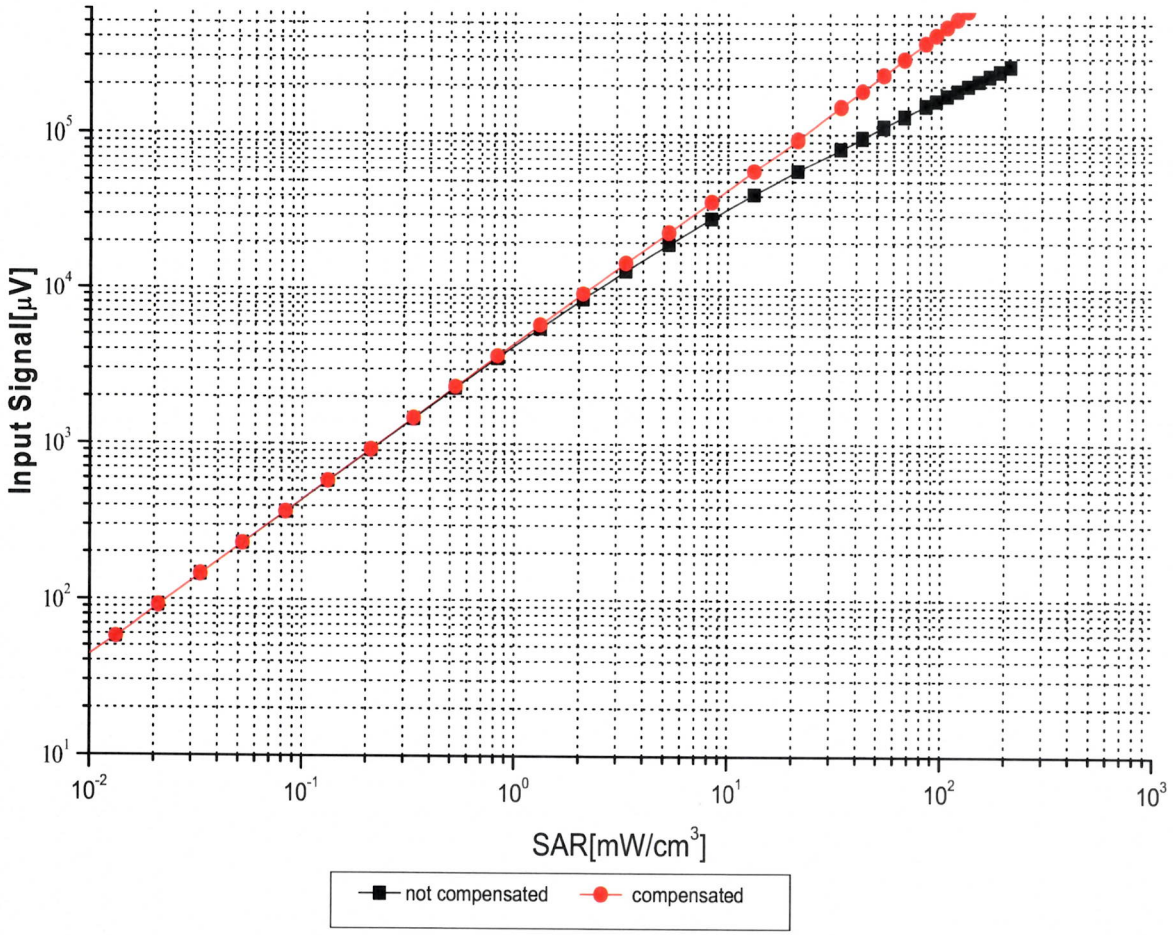
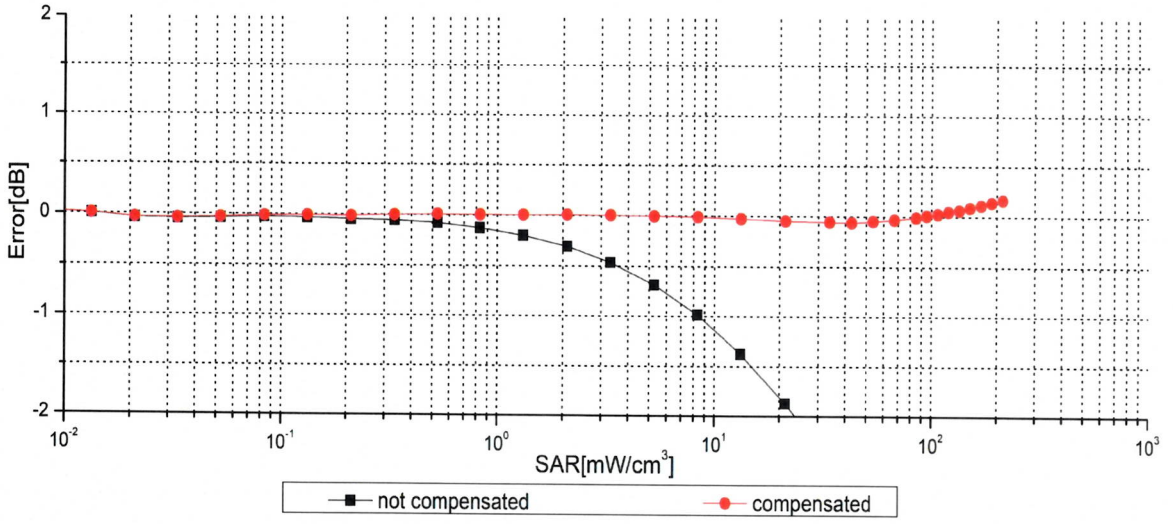
Dynamic Range f(SAR_{head})
(TEM cell, f = 900 MHz)





Uncertainty of Linearity Assessment: ±0.9% (*k*=2)

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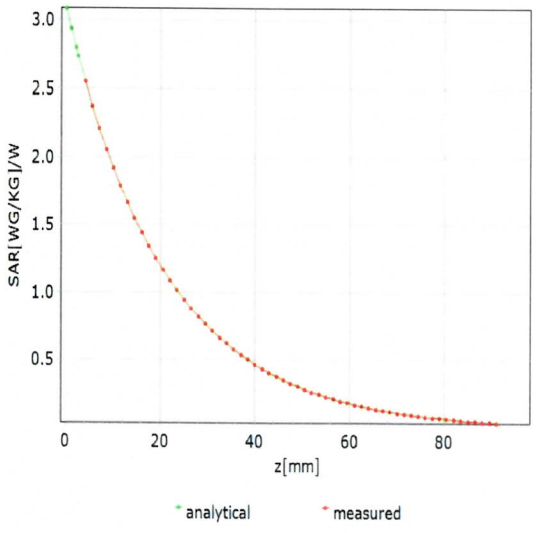
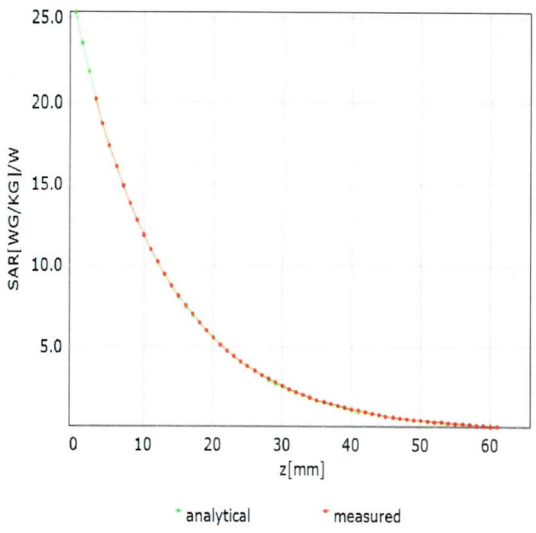
Conversion Factor Assessment

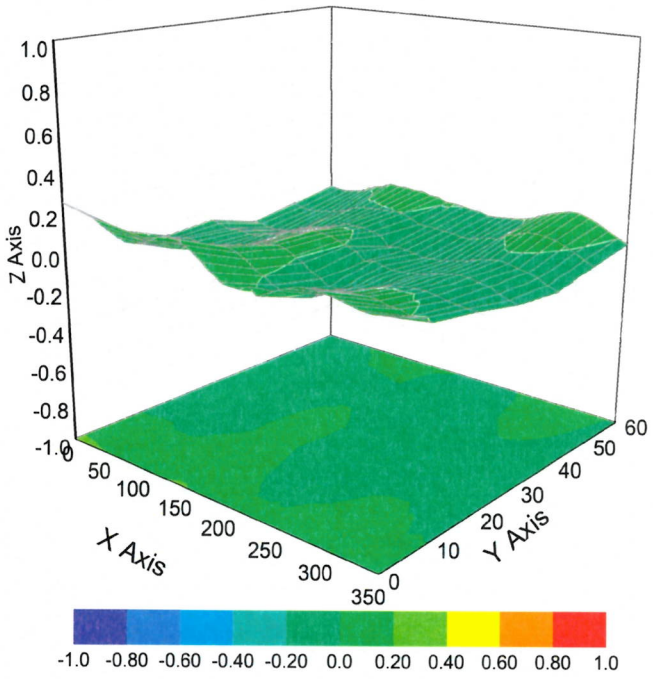
f=750 MHz,WGLS R9(H_convF)



f=1750 MHz,WGLS R22(H_convF)



Deviation from Isotropy in Liquid



Uncertainty of Spherical Isotropy Assessment: ±3.2% (*k*=2)

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DASY/EASY – Parameters of Probe: EX3DV4 – SN:3624

Other Probe Parameters

Sensor Arrangement	Triangular
Connector Angle (°)	31.1
Mechanical Surface Detection Mode	enabled
Optical Surface Detection Mode	disable
Probe Overall Length	337mm
Probe Body Diameter	10mm
Tip Length	9mm
Tip Diameter	2.5mm
Probe Tip to Sensor X Calibration Point	1mm
Probe Tip to Sensor Y Calibration Point	1mm
Probe Tip to Sensor Z Calibration Point	1mm
Recommended Measurement Distance from Surface	1.4mm

Dipole D750V3 SN 1160				
Head Liquid				
Date of Measurement	Return Loss(dB)	Δ %	Impedance (Ω)	ΔΩ()
2022/6/6	-29.6	/	51.4	/
2023/6/4	-30.1	1.69%	52.2	0.8Ω

Dipole D1750V2 SN 1149				
Head Liquid				
Date of Measurement	Return Loss(dB)	Δ %	Impedance (Ω)	ΔΩ()
2022/6/17	-31.9	/	47.6	/
2023/6/14	-32.2	0.94%	48.9	1.3Ω

Dipole D2300V2 SN 1072				
Head Liquid				
Date of Measurement	Return Loss(dB)	Δ %	Impedance (Ω)	ΔΩ()
2022/6/16	-26	/	47.9	/
2023/6/13	-25.8	0.78%	48.8	0.9Ω

Dipole D2600V2 SN 1125				
Head Liquid				
Date of Measurement	Return Loss(dB)	Δ %	Impedance (Ω)	ΔΩ()
2022/6/14	-25.1	/	46.9	/
2023/6/13	-24.7	1.62%	47.5	0.6Ω

Dipole D3500V2 SN 1082					
Head Liquid					
Frequency(MHz)	Date of Measurement	Return Loss(dB)	Δ %	Impedance (Ω)	ΔΩ
3400	2022/9/19	-21.3	/	42.3	/
	2023/9/18	-21	1.43%	42.5	0.2Ω
3500	2022/9/19	-25.1	/	46.7	/
	2023/9/18	-24.8	1.21%	46.7	0.0Ω

Dipole D3700V2 SN 1046				
Head Liquid				
Date of Measurement	Return Loss(dB)	Δ %	Impedance (Ω)	ΔΩ
2022/9/15	-34.5	/	48.4	/
2023/9/14	-34.7	0.58%	48.9	0.5Ω

Dipole D3900V2 SN 1026					
Head Liquid					
Frequency(MHz)	Date of Measurement	Return Loss(dB)	Δ %	Impedance (Ω)	ΔΩ
3900	2022/9/16	-20	/	44.9	/
	2023/9/15	-19.5	2.56%	45.1	0.2Ω
4100	2022/9/16	-21.4	/	58.4	/
	2023/9/15	-21.8	1.87%	58.6	0.2Ω