

Frequency [..]	Rel. Penetr.	Conductivity..	κ^2
5000	36.44	4.33	15.79
5100	36.53	4.45	15.83
5200	36.64	4.57	15.86
5300	36.75	4.69	15.87
5400	36.81	4.79	15.94
5500	36.74	4.90	16.21
5600	36.73	5.2	16.12

Density of simulated tissue: 1 g/cm³
 Density of actual medium: 1 g/cm³
 Thermal capacity: 1580 J/(g·K)
☒ Supports optical surface detection

Frequency [..]	Rel. Penetr.	Conductivity..	κ^2
5000	60.23	4.53	17.72
5100	49.89	5.86	17.83
5200	48.73	5.38	17.94
5300	48.5	5.32	18.04
5400	48.27	5.46	18.19
5500	48.1	5.59	18.27
5600	48.61	6.61	18.63

Density of simulated tissue: 1 g/cm³
 Density of actual medium: 1 g/cm³
 Thermal capacity: 1580 J/(g·K)
☒ Supports optical surface detection

27.4 SAR Evaluation

27.4.1 Area Scan job

Due to the reduced penetration depth in the corresponding liquid (6.0 mm at 6 GHz), the distance between the measured points and phantom surface during the Area Scan needs to be reduced as well as the tolerance, i.e., it should be less than 4.0 mm with a variation of less than ± 0.5 mm during the entire scan.

The recommend distance between the probe sensor and phantom surface is 1.5-2.0 mm.

27.4.2 Zoom Scan job

The strong decay would require that at least two measurement points are taken within the first 5mm from the liquid-shell interface. The following setting for the Zoom Scan job are recommended for the best time vs. accuracy ratio:

- Grid Step size X and Y 4.3mm
- Grid Step size Z 3.0mm
- Grid Extent Z 21.0mm
- Minimum distance of probe sensor to surface 1.5-2.0mm