



Fig. 9. Top: MRI-derived breast model shows the location of a 2-mm-diameter malignant tumor at a depth of 3 cm. Bottom: Image reconstructed from backscattered waveforms obtained by solving Maxwell's equations. Source: X. Li and S. C. Hagness, "A confocal microwave imaging algorithm for breast cancer detection," *IEEE Microwave and Wireless Components Letters*, vol. 11, no. 3, pp. 130–132, March 2001 [9].