# Material

Dielectric of Ice (10GHz) = 2.77-5.65[1]

Constant in that frequency range [2]

Range and Resolution Equations : [3]

[1] *Sea Ice*, 1st ed. American Geophysical Union (AGU), 2015. doi: 10.1002/9781119028000.

[2] G. Koh, “Dielectric constant of ice at 26.5–40 GHz,” *J. Appl. Phys.*, vol. 71, no. 10, p. 5119, Jun. 1998, doi: 10.1063/1.350616.

[3] H. M. Jol and H. M. Jol, *Ground Penetrating Radar Theory and Applications*. Oxford, NETHERLANDS, THE: Elsevier Science & Technology, 2008. Accessed: Nov. 23, 2022. [Online]. Available: http://ebookcentral.proquest.com/lib/uvic/detail.action?docID=405936