

University of Portland
School of Engineering

EE 402/EE 502
Spring 2014
A. Inan

Homework # 1

(Assigned: Tuesday, January 21, 2014)
(Due: Tuesday, January 28, 2014, 9:15a.m.)

These problems are assigned from Electromagnetic Waves by Inan/Inan (2000) (pages 107-119):

- 2-1. Uniform plane wave.**
- 2-3. TV broadcast signal.**
- 2-4. Uniform plane wave.**
- 2-5. Lossless nonmagnetic medium.**
- 2-8. Cellular phones.**
- 2-11. Uniform plane wave.**

Please use the following guidelines for your homework solutions:

- 1) On the first sheet, at the top center, write: Homework #1-Solutions.
- 2) Provide your full name on the upper right corner of the first sheet.
- 3) Also write: EE 402/EE 502-Spring 2014 on the upper left corner of the first sheet.
- 4) Solve each problem on a separate sheet unless your solution is very short.
- 5) Box all of your answers.
- 6) Staple your solutions in the above order before you turn them in.

Please turn in your homework on time.