NAME: Chris Uzokwe

ECET–512 – Wireless Systems

Reading Quiz #2

Reading:
        Chapter 3, Chapter 4 (4.1-4.2)

Questions:

1. From the supplemental reading, in Cognitive Radio networks, what does the perception process focus on identifying? Who uses this knowledge?

Vacant channels for secondary user access

2. In the supplemental reading, the authors mention 3 reasons why an AI agent is more powerful than a cognitive one, state 2:

Better generalization functionality
Better reasoning functionality

3. According to Molisch chapter 4, name 3 of the basic mechanisms that govern propagation of electromagnetic waves. Hint : How do interaction objects (IOs) with smooth surfaces, rough surfaces and edges affect propagation?

Reflection, scattering, diffraction