

SP27C - Pre-Instructional Survey

Name _____ Date _____

1. Identify which frequency band is being used in many wireless network systems.
 - A. ~120 MHz
 - B. ~960 MHz
 - C. ~2400 MHz
 - D. ~3200 MHz

2. Which RFID frequency results in the shortest tag antenna length?
 - A. 130 kHz
 - B. 433 MHz
 - C. 2400 MHz

3. Which technology provides the highest data rate (but at a short distance)?
 - A. RTLS
 - B. UWB
 - C. WiFi

4. For reliable and accurate spatial determination, how many GPS satellites should the handheld unit have "visibility" to?

5. For the longest Tag operational lifetime, which flavor of RFID should be used?
 - A. active
 - B. passive
 - C. semi-active

6. Which asset tracking technology relies on readers/signposts?
 - A. RFID
 - B. DSSS
 - C. UWB

7. Are regulatory allowed RFID frequencies consistent throughout the world?

8. Circle the name of the organization that regulates the use of the frequency spectrum within the United States.
 - A. Dept of Energy
 - B. Federal Communications Commission
 - C. NASA

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1. C. 2400 MHz
2. C. 2400 MHz
3. B. UWB
4. four
5. passive (the tag gets powered from the reader, hence no on board battery!)
6. A. RFID
7. no
8. B. Federal Communications Commission