

Mobile Communication networks

Exercices 1

1. Which wireless communication technologies are supported by the following mobile phone models?

(You may consult this information in the site <http://www.gsmarena.com>).

- a. Nokia 5110

https://www.gsmarena.com/nokia_5110-7.php

Technology						
Type of technology						
Typical use						
Typical radio range						
Data rate						
Frequencies						
Radio technology (physical layer)						
MAC						

b. Samsung Galaxy S22 Ultra 5G

https://www.gsmarena.com/samsung_galaxy_s22_ultra_5g-11251.php

Technology						
Type of technology						
Typical use						
Typical radio range						
Data rate						
Frequencies						
Radio technology (physical layer)						
MAC						

c. Your Cellular Phone

Technology						
Type of technology						
Typical use						
Typical radio range						
Data rate						
Frequencies						
Radio technology (physical layer)						
MAC						

2. Draw a graph depicting the radio spectrum used by the above wireless technologies.