

EE161 – RF Comm Lab radio experimental demos – 1/3

- The lab demos will be **in person** in the RF Comm Lab (room ENG238)
- Door access code will be sent as a group Canvas announcement
Please do not share this code with anyone other than group members
- Please respect other groups. Do the experiment **within your time slot**
- When in the lab, **DO NOT operate/touch anything except your computers**
- There will be two lab demos:
 - **Noise measurements** (Spectrum and histogram)
 - **QPSK** modulation system **and BER** measurements

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- Use **ONLY** the computers assigned to your group
- **Put bags and drinks BELOW the table so that instruments are not damaged**
- **DO NOT EAT IN OR BRING FOOD TO THE LAB**
- Keep the door closed at all times
- Make sure that the door locks behind you when you leave
- Press ENTER or ctrl-alt-del to log in to the computer.
(Computers 2 and 5 may need to be turned off (hold power button until it is off) and turned on again if no window pops)

Software radio
(ADALM-PLUTO)

Computer
name



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IMPORTANT: The radios do not communicate with the computer until you connect them via the USB cables next to them. **Before you go, make sure that you disconnect them**

YOU MUST QUIT MATLAB BEFORE YOU LOGOUT OR THE RADIO WILL BE BLOCKED

In case of running **two simultaneous links** (two lab groups), use the following frequencies:

Link 1: **$f_c=899e6$** (899 MHz)

Link 2: **$f_c=901e6$** (901 MHz)

