# **Comms Lab Data Export Guide**

# **Aerial Robotics Virtual Lab**

# PROCEDURE

#### STEP 1

First, create a folder on your desktop called "ARVL Tests"



# STEP 2

Then, launch the Aerial Robotics Virtual Lab application by doubleclicking on the desktop shortcut.



Please select a difficultly

# STEP 3

Select "Assessment", then select "Labs" from the main menu.





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# **Comms Lab Data Export Guide**

#### STEP 7

Set pitch and heading to required levels using the slider or the text box. For a dish antenna, you may additionally click on the "Show Laser" check box to show or hide the pointer laser.

Pitch in degrees	
	-15
Heading in Degre	es
•	0
Show Las	er

#### STEP 8

Use the adjustment sliders or the adjacent text boxes to set the distance between the sender and the receiver, and the sender power to required levels.



#### STEP 9

Observe the received signal strength (RSSI) in dBm and verify the values with your calculations (if any).

#### STEP 10

After your experiment, click on the export button to export the settings and results. The exported file will be in .csv format.



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Export



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### STEP 11

Select the folder where you want to save. Give an appropriate name to the file and click "Save"

Organize 🔻 New fo	lder					8≡ ▼
🚖 Favorites	Name	Date modified	Туре	Size		
Desktop		No items match your search.				
Downloads						
🔄 Recent Places						
🥽 Libraries						
Documents						
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📜 Computer						
🗣 Network						
File name: exa	mple					
Save as type: CSI	/ File (* csv)					
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