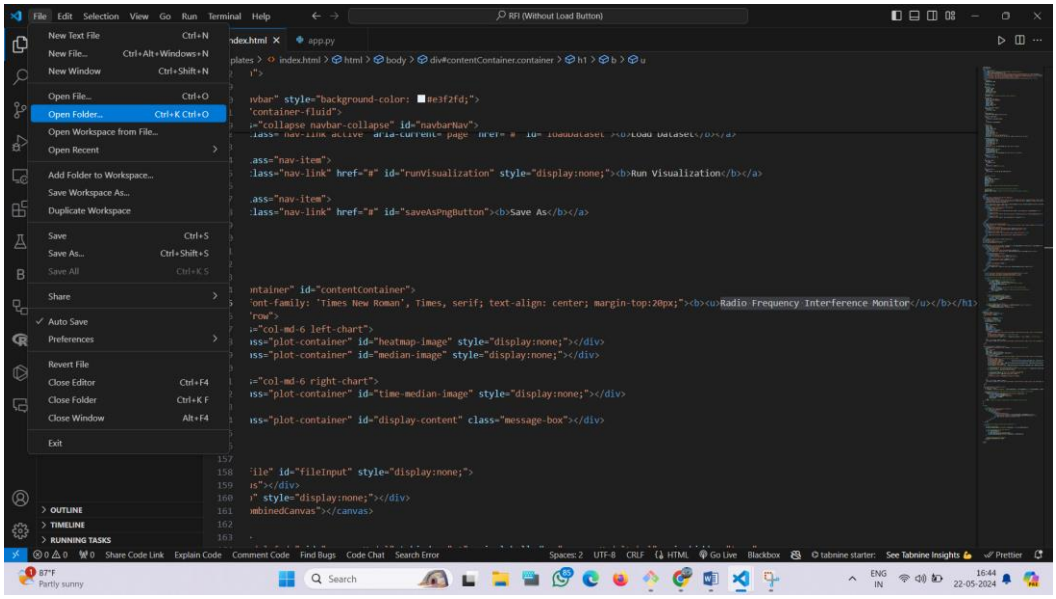
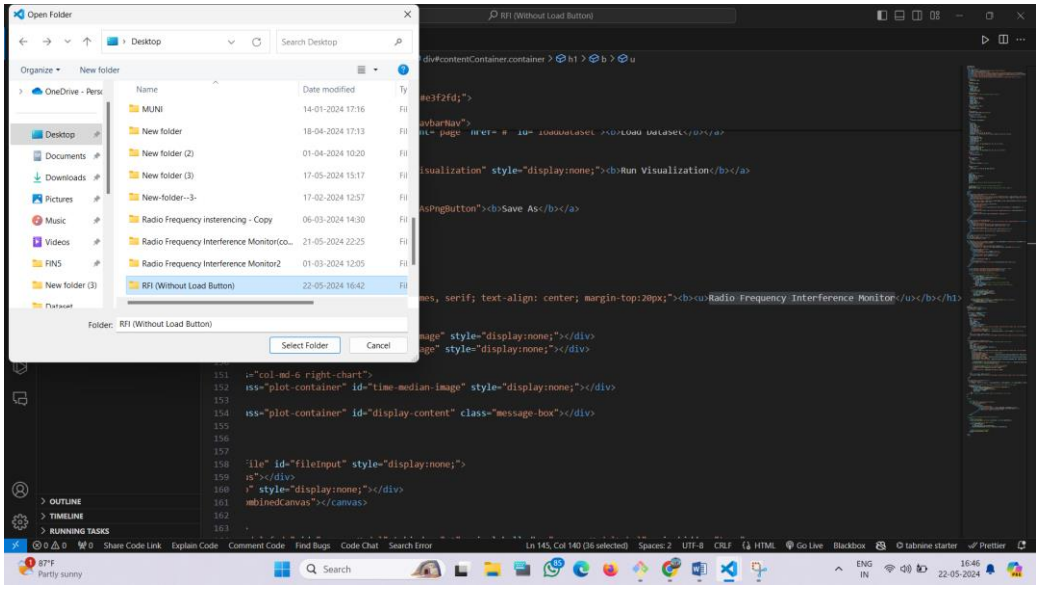
Radio Frequency Interference Monitor

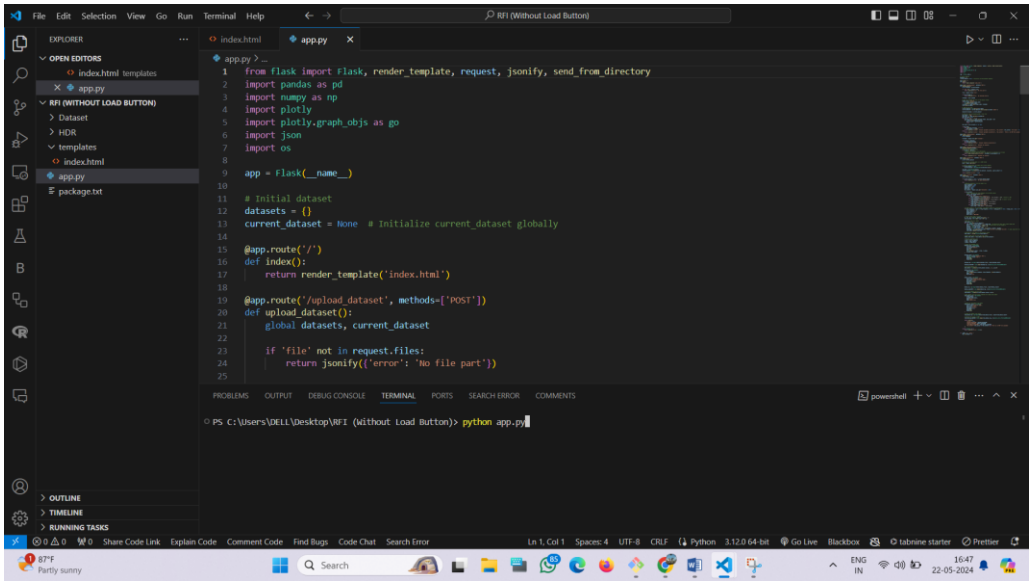
Steps:-



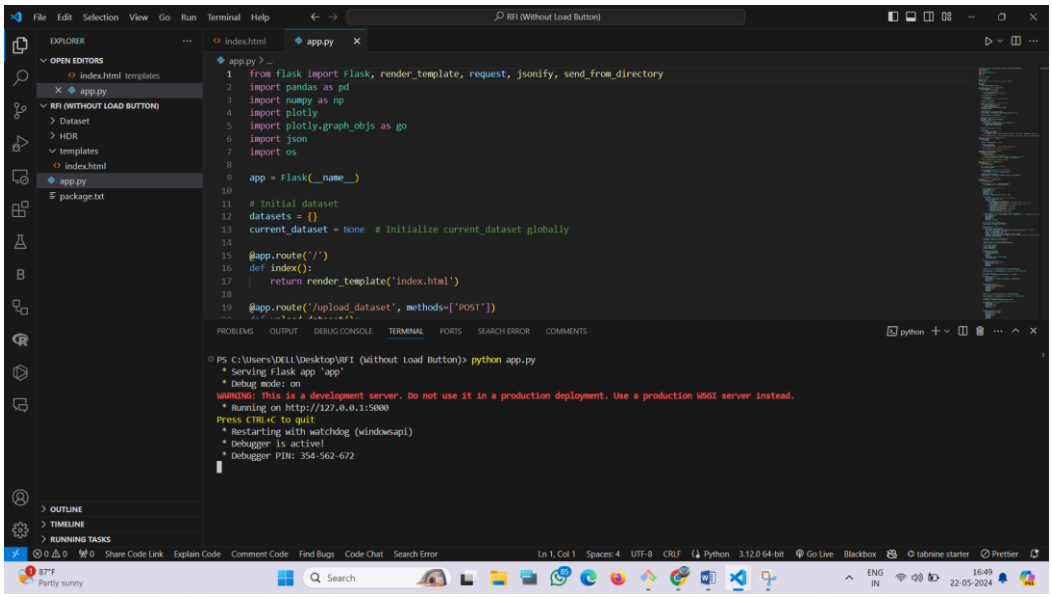
Step 1:- Open the new folder in Visual Studio Code.



Step 2: - Select the folder named "RFI(Without Load Button)".

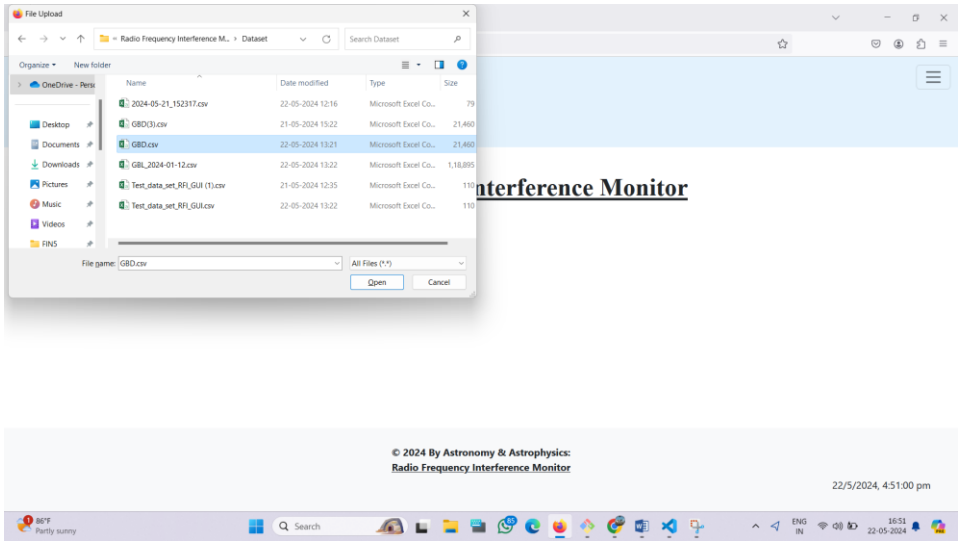


Step 3:- Select the Python code, open the terminal, and type “python app.py”.



Step 4 :- The URL will be generated.

Step 5 :- Copy the URL and paste it into a browser, after pasting the URL in Browser, the web application will get displayed.



Step 6 :- Click on the "Load" button.

Step 7 :- Select the CSV file.

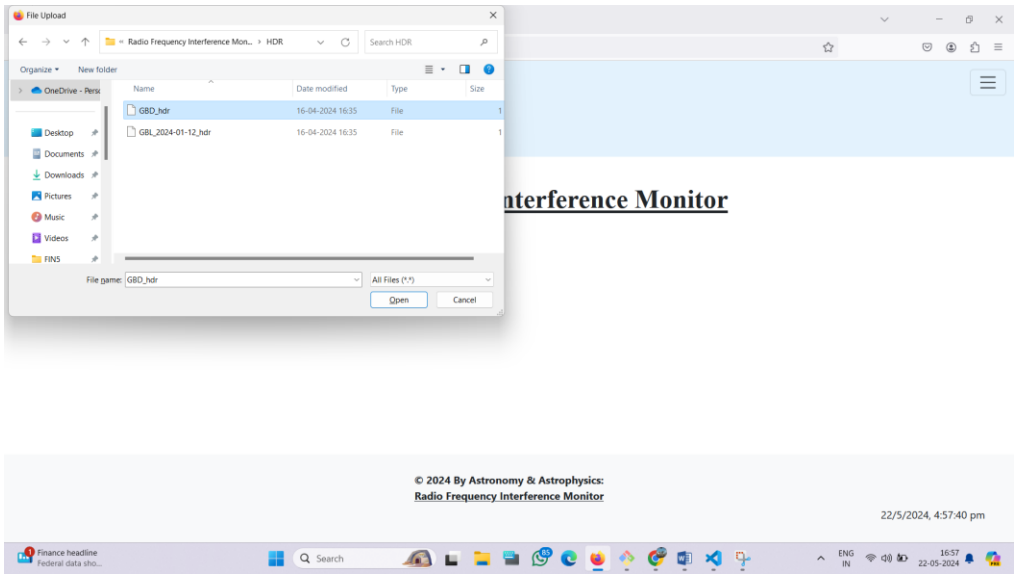
Step 8:- If there is no HDR file with the same name as the CSV file in the HDR folder, an error message will be displayed.

If an HDR file with the same name exists, its content will be displayed on the frontend.

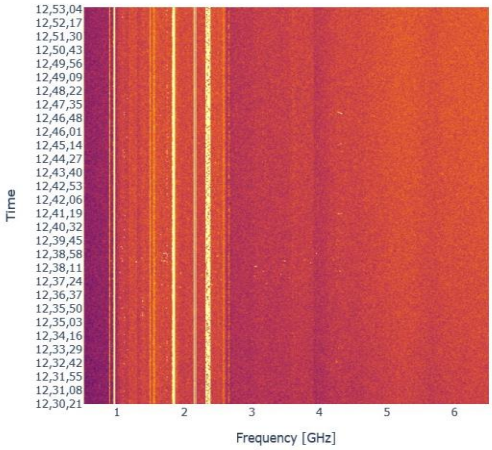
For example:

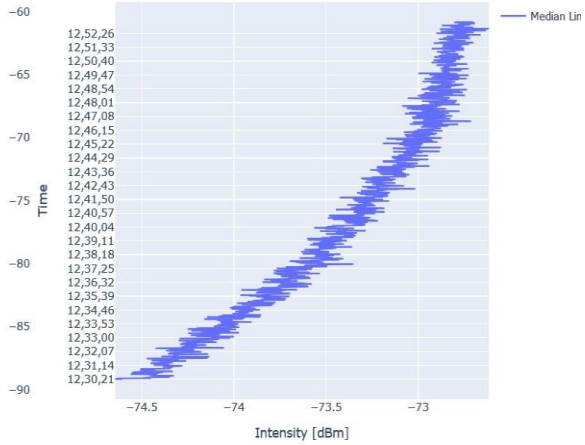
If user select GBD.csv and GBD.hdr exists in the HDR folder, it will read and display the content of the HDR file.

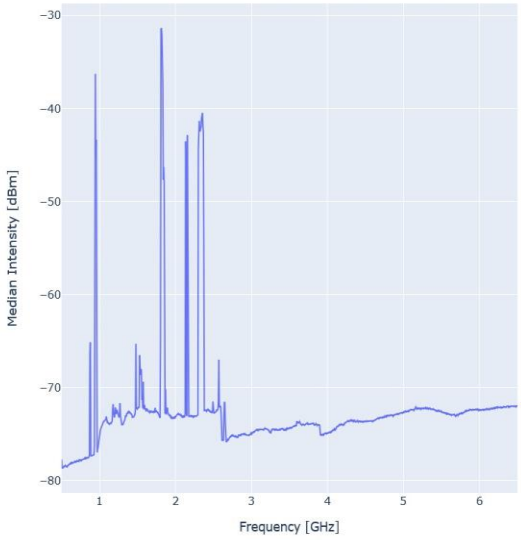
If user select Test_data.csv and Test_data.hdr does not exist in the HDR folder, an error message "Hdr Not Found!!!!" will be displayed.



Radio Frequency Interference Monitor

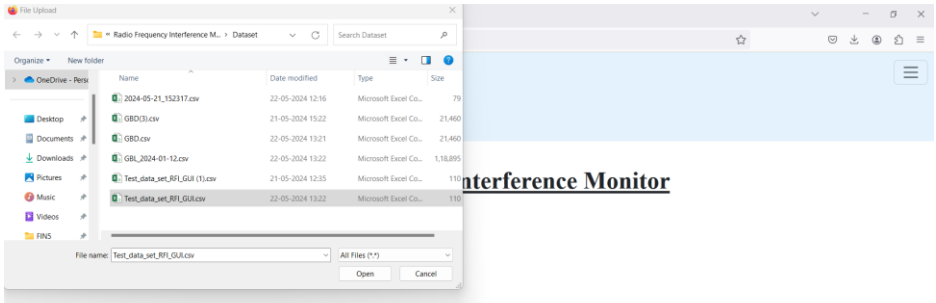






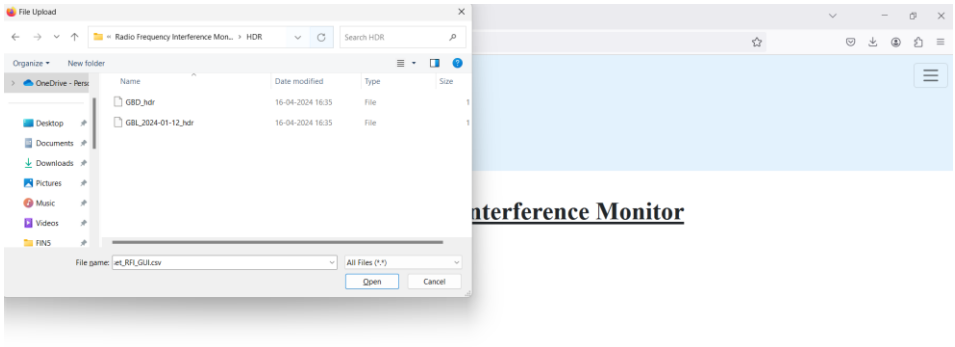
Instrument ID: Keysight Technologies,N9915A,MY53101604,A.08.18

System date: 2023,3,24
Start frequency: 500000000
Stop frequency: 6500000000
Center frequency: 3500000000
Frequency span: 6000000000
Resolution BW: 3.000000E+05
Video BW: 1.5000000E+06
Sweep points: 1001
Sweep time: 1
Data form: ASC,0
Start time: 12,30,21
Stop time:15,05,21



nterference Monitor

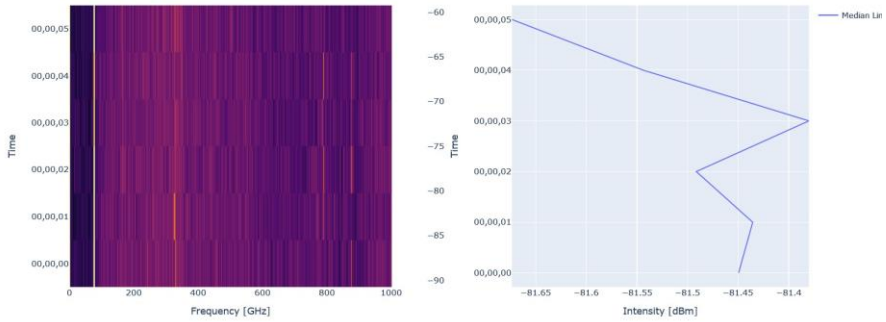
22/5/2024, 4:59:46 pm

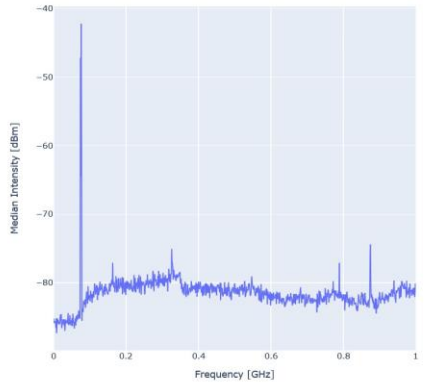


nterference Monitor

22/5/2024, 5:00:24 pm

Radio Frequency Interference Monitor





Hdr File Not Found!!

To install the required packages, in the Visual Studio Code terminal, type:

pip install -r packages.txt