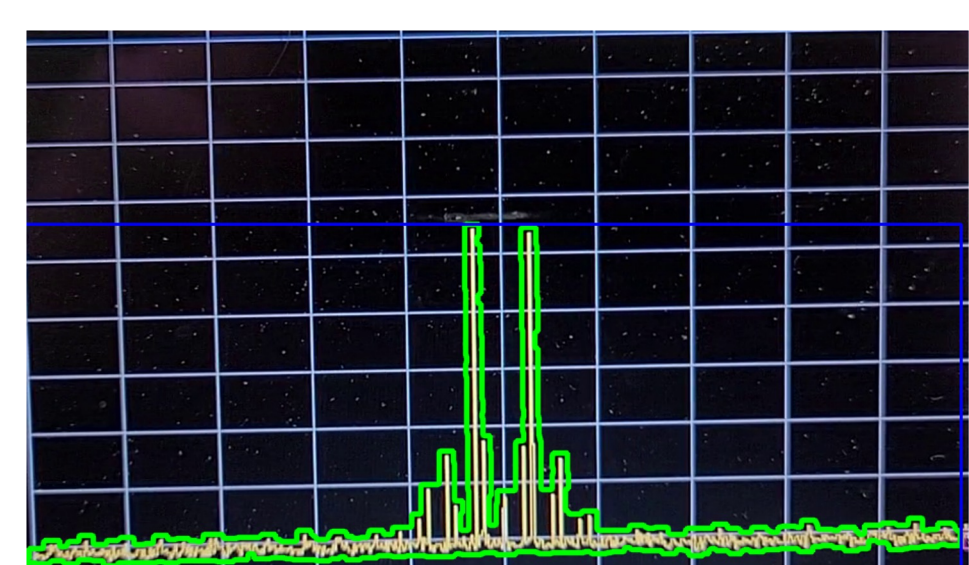
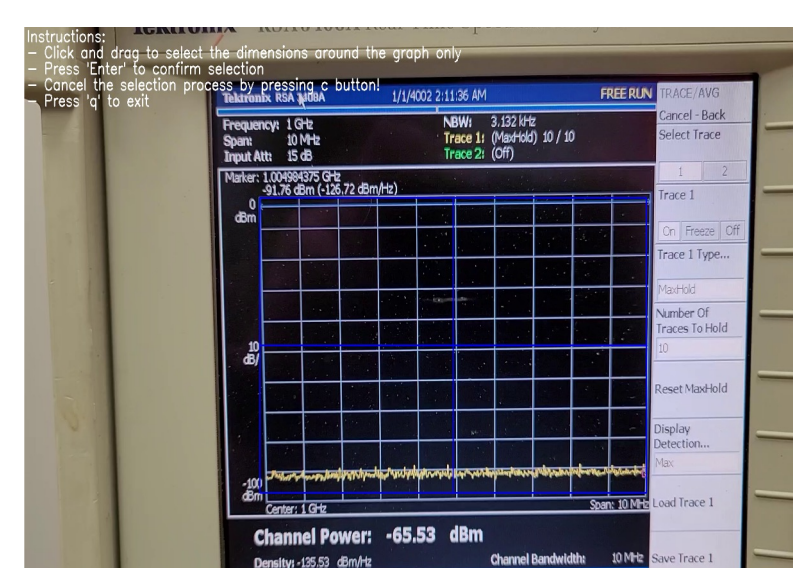


INTRO/ABSTRACT

A CLI tool that processes raw video files and outputs .csv files based on functions shown in file.

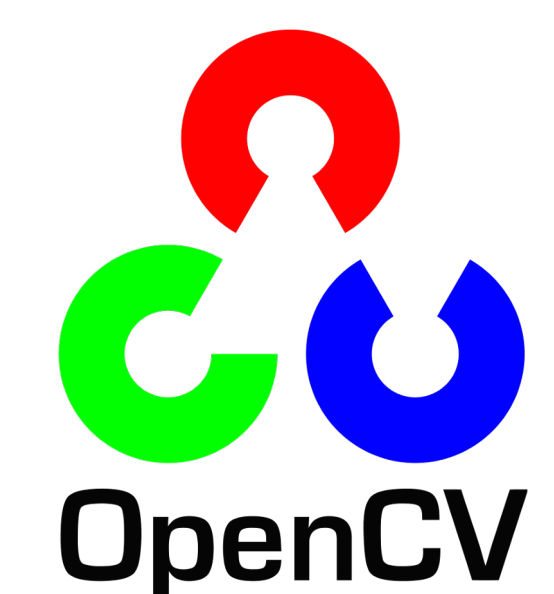
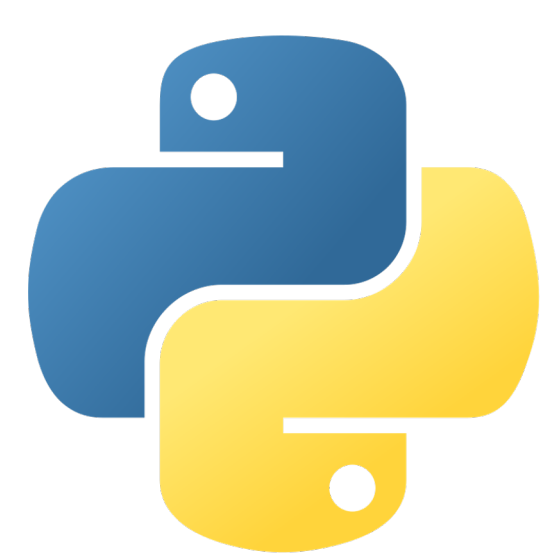
The Spectrum Analysis CLI Tool allows system engineers to process .mp4 recordings of the Spectrum Analyzer, converting information from the tool into programmatic values that are output to a .csv file. This information consists of the frequencies being analyzed, averages over lengths of time, peaks and valleys, and any other data that system engineers are currently obtaining manually. The .csv file can be filtered by the system engineer either when uploading a file for the first time, or after the .mp4 files have already been processed.

Output



A	B	C	D	E	F	G	H	I
25:37.5	-87.8136	1.031683	-88.3513	-34.0502	-78.875	1.048509	1.026964	
25:37.5	-87.8136	1.031683	-88.3513	-34.0502	-78.875	1.048509	1.026964	
25:37.6	-87.9928	1.031683	-88.3513	-34.0502	-78.875	1.048509	1.026964	
25:37.6	-87.8136	1.031896	-88.3513	-34.0502	-78.875	1.048509	1.026964	
25:37.7	-87.9928	1.031789	-88.3513	-34.0502	-78.875	1.048509	1.026964	
25:37.8	-88.172	1.031896	-88.3513	-34.0502	-78.875	1.048509	1.026964	
25:37.8	-87.8136	1.031896	-88.3513	-34.0502	-78.875	1.048509	1.026964	
25:37.9	-87.8136	1.031683	-88.3513	-34.0502	-78.875	1.048509	1.026964	
25:37.9	-87.8136	1.048296	-88.3513	-34.0502	-78.875	1.048509	1.026964	
25:38.0	-87.9928	1.031789	-88.3513	-34.0502	-78.875	1.048509	1.026964	
25:38.0	-88.172	1.031896	-88.3513	-34.0502	-78.875	1.048509	1.026964	
25:38.1	-87.9928	1.048509	-88.3513	-34.0502	-78.875	1.048509	1.026964	
25:38.1	-87.9928	1.032109	-88.3513	-34.0502	-78.875	1.048509	1.026964	
25:38.1	-88.172	1.032002	-88.3513	-34.0502	-78.875	1.048509	1.026964	
25:38.2	-87.9928	1.032109	-88.3513	-34.0502	-78.875	1.048509	1.026964	
25:38.2	-88.3513	1.032109	-88.3513	-34.0502	-78.875	1.048509	1.026964	
25:38.3	-87.9928	1.032109	-88.3513	-34.0502	-78.875	1.048509	1.026964	
25:38.3	-87.8136	1.032109	-88.3513	-34.0502	-78.875	1.048509	1.026964	
25:38.4	-87.9928	1.032002	-88.3513	-34.0502	-78.875	1.048509	1.026964	
25:38.4	-87.6344	1.032002	-88.3513	-34.0502	-78.875	1.048509	1.026964	
25:38.5	-87.8136	1.031789	-88.3513	-34.0502	-78.875	1.048509	1.026964	
25:38.5	-87.6344	1.031789	-88.3513	-34.0502	-78.875	1.048509	1.026964	
25:38.6	-87.4552	1.031683	-88.3513	-34.0502	-78.875	1.048509	1.026964	
25:38.6	-87.4552	1.031683	-88.3513	-34.0502	-78.875	1.048509	1.026964	
25:38.7	-87.6344	1.031576	-88.3513	-34.0502	-78.875	1.048509	1.026964	

Tools Used



Analyzing frequency data through Python utilizing command line instructions.



← Link to Video Demo of functionality