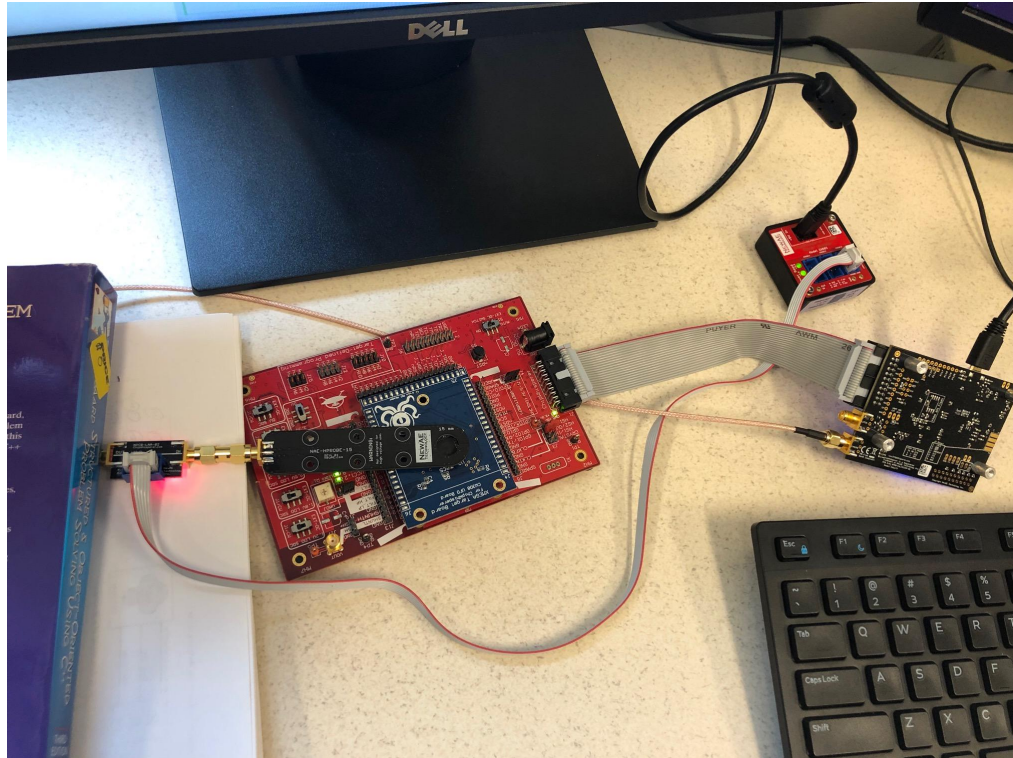


Instruction for CW505 planar H-Field Probe

Use H-Field to collect EM trace

1. Assemble devices: follow the picture to connect H-Field probe and chipwhisperer



- a.
 - b. More information can be find here
 - i. <https://rtfm.newae.com/Tools/CW505%20Planar%20H-Field%20Probe/>
2. Start collect EM trace
 - a. Once the device is assembled as above, we first to explore where is the best location to place the probe with the help of real-time visualization EM trace. The implementation can be found here,
 - i. https://github.com/haoliutj/EM_Trace_collection/blob/master/probe_position_exloration_em_trace.ipynb
 - b. Once the best location found for probe to place, we can start automatically collect EM trace. The implementation can be found here,
 - i. https://github.com/haoliutj/EM_Trace_collection/blob/master/probe_position_exloration_em_trace.ipynb
 3. Additional resources:
 - a. [https://github.com/newaetech/chipwhisperer-jupyter/blob/master/demos/H-Field%20Probe%20Demo%201%20\(with%20CPA\).ipynb](https://github.com/newaetech/chipwhisperer-jupyter/blob/master/demos/H-Field%20Probe%20Demo%201%20(with%20CPA).ipynb)