

## PIP-II IT HWR - Bug #25135

### QL measurement plot denotes that the RF is not turned off.

10/27/2020 09:47 AM - Shrividhyaa Sankar Raman

<b>Status:</b>	New	<b>Start date:</b>	10/27/2020
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>		<b>% Done:</b>	40%
<b>Category:</b>		<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>		<b>Spent time:</b>	4.00 hours
<b>Description</b>			
QL measurement plot denotes that the RF is not turned off.			

#### History

##### #1 - 11/09/2020 08:32 AM - Shrividhyaa Sankar Raman

- % Done changed from 0 to 40

Upon setting a breakpoint at different locations on the LV block diagram, the following were observed:

- If the Cavity mag field is  $< 0.1$ , the RF enable button is never turned off.
- The AND gate connecting the above comparison to the rest of the code was removed and a direct connection was made to the next AND gate. An LED was attached to the mentioned comparison. The code seems to run fine after this, however, with the LED turned ON.
- Once the start QL measurements button is pressed, the QL measurements time measurement under results is not doing the counter time. Eg: 400ms is not exactly 400ms but more of 10secs.

##### #2 - 11/09/2020 08:33 AM - Shrividhyaa Sankar Raman

TIP: Connect the loopback connection to have and RF connection BC to help analyse this issue further.