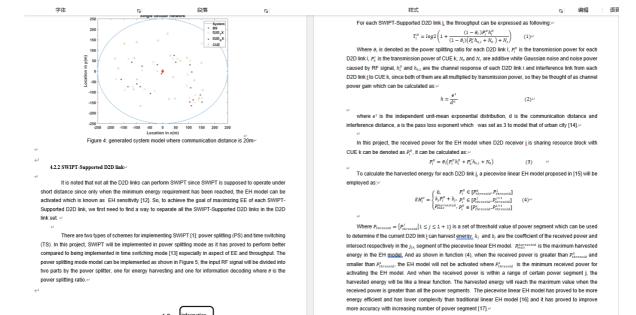
## Date:2021-12-27

## Continue with my interim report. Finish the SWIPT-Supported D2D link sub-section:



each D2D link į EH<sub>i</sub><sup>p</sup> :⊬

And to calculate the EE for each SW/PT-Supported D2D link  $i_j$  the total energy consumption for each D2D link will also need to be calculated. It can be expressed as the combination of the transmission power of each D2D link  $i_j$ ,  $P_i^p$  and circuit power of D2D transmitter and receiver  $P_{coresis}$  and subtract the harvested energy for

 $EC_i^D = P_i^D + 2P_{circuit} - EH_i^D$