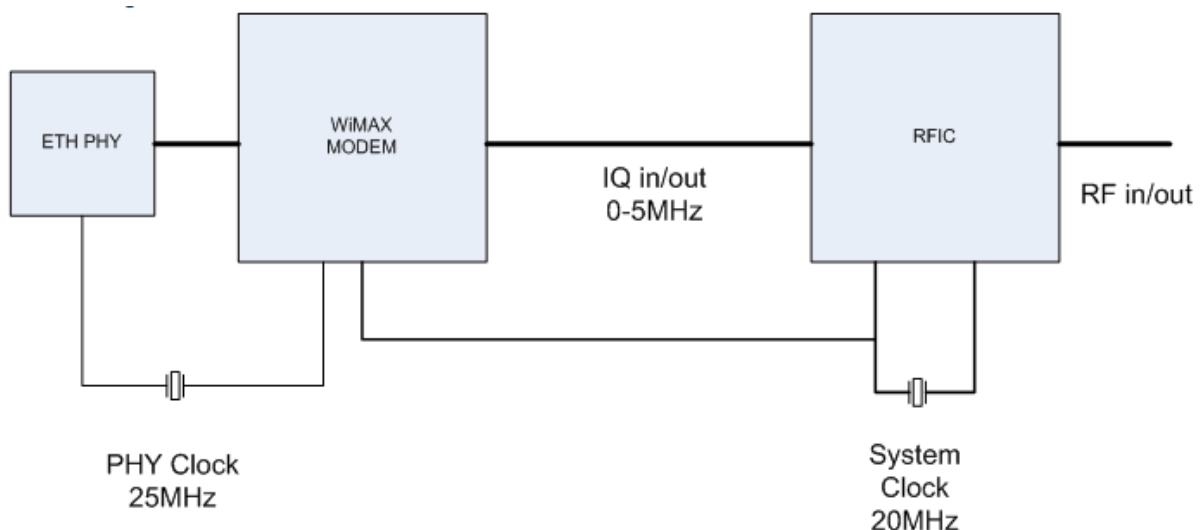**BLOCK DIAGRAM**

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CPE Block Diagram

The CPE consists of the following modules:

1. Base-Band board – including the WiMAX 16e MIMO Base-Band SoC (running the 16e MAC + PHY) plus the User Interface plus the analog front end that interface the RF module.

2. Power Supply board– DC/DC power supply. Converts the 48VDC to the various voltages that are feeding the Digital and the RF modules

3. RF board - Single transmit dual receive module that modulate the analog WiMAX signal input from the Base-Band modem to the high frequency RF output. Several RF modules exist - each supporting different frequency band.

Sincerely,

Shay Chaim

Technology manager