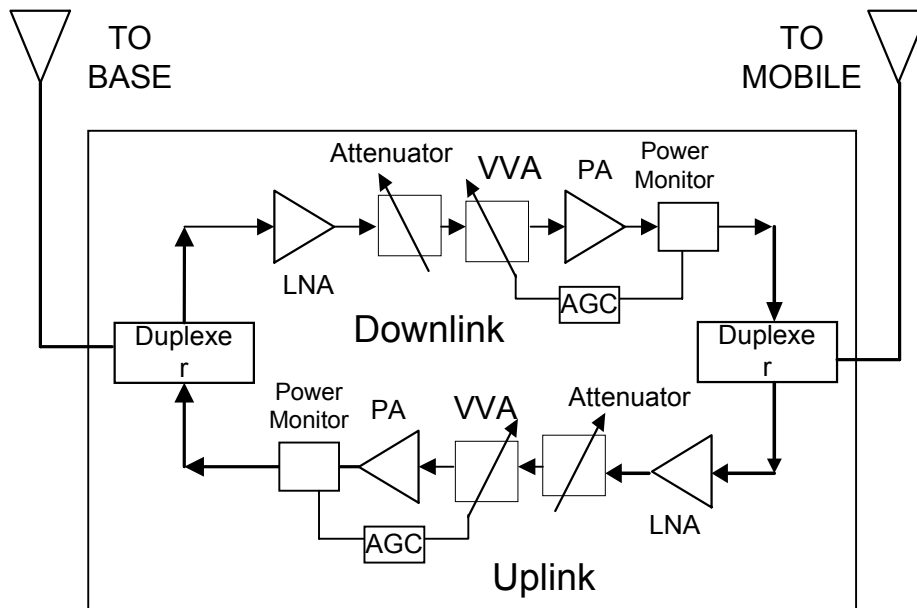


AGC function description.



BDA RF BLOCK DIAGRAM

AGC FUNCTION

The Repeater has AGC function on both paths that serve to prevent the saturation of the power amplifier. When the input signal is low enough the AGC mechanism is not operating and the GAIN is maximum available (according to GAIN setting). When a high signal is received, the AGC circuit detects the amplitude at the output and sends a feedback signal to a Voltage Variable Attenuator(VVA), which attenuates the signal level so that the output power of the amplifier does not exceed the preset limit. The green LED on the BDA monitor (AGC Range) illuminates when the power output of the amplifier is within the set limit. An On/Off switch on the connection box enables the AGC function. If the AGC is disabled then the amplifier gives maximum gain, this mode is for LAB testing purpose only.