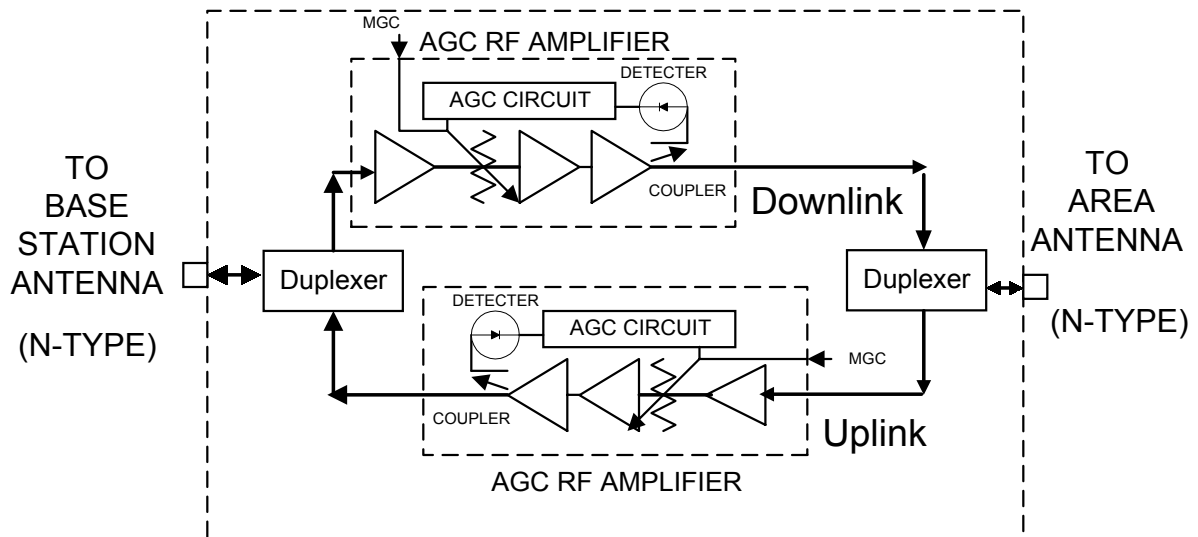




BDA with AGC & MGC RF BLOCK DIAGRAM

BDA OPERATION

The RF connection is made via two type "N" female connectors. The RF connector labeled "Base" must be connected to the antenna pointing to the base station. The RF connection labeled "Mobile" must be connected to the antenna pointing into the area to be covered by the BDA.

The isolation between the base station antenna and the mobile antenna should be at least 12 dB higher than the BDA gain. If the isolation were less than the BDA gain, oscillation would start and would saturate the amplifier. Isolation few dB higher than the BDA gain cannot start oscillations but would causes gain ripple in the band.