METHOD AND SYSTEM FOR MULTIPLE TUNER APPLICATION USING A LOW NOISE BROADBAND DISTRIBUTION AMPLIFIER

An active splitter circuit arrangement (300) includes a first amplification module (302) having a number of first input ports and first output ports. The first amplification module is configured to provide first stage amplification to a received input signal (RF input) and produce from the amplified input signal a number of output signals, each substantially matching the input signal (RF input). Also included is a first gain control device (304) having a number of gain input ports respectively coupled to the first output ports and a gain output port coupled to at least one of the first input ports. The first gain control device is configured to control a gain of the first amplification module. Next, a number of second amplification modules (308, 310, 312) corresponding to the number of output signals has a number of second input ports respectively coupled to the first output ports. Each second amplification module (308, 310, 312) is configured to receive a control signal from the second gain control device.