DARE BALUN EXTERNAL NOISE CAL

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Home made Solid state Noise Source With variable output

200 Ohm 0402 Resistor

Power combiner

LABJACK used To switch between 3 positions
Output power with 200 Ohm input impedance is higher because gain of the amplifier is higher with 200 than 100 Ohm as seen on the next slide.

It is possible to design a noise source with any output impedance and match it to the input of the LNA over a wide freq range.
Gain of the Balun is a Function of its input Impedance. Higher Gain At 100 Ohm