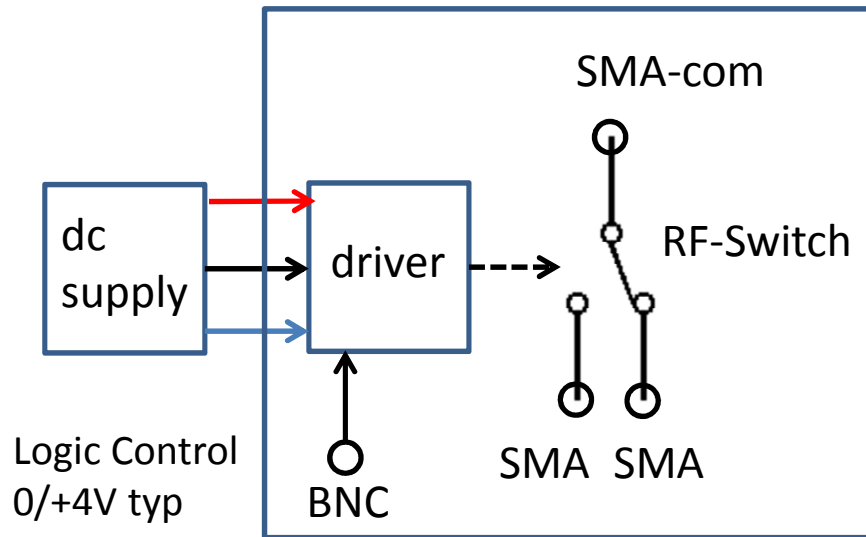


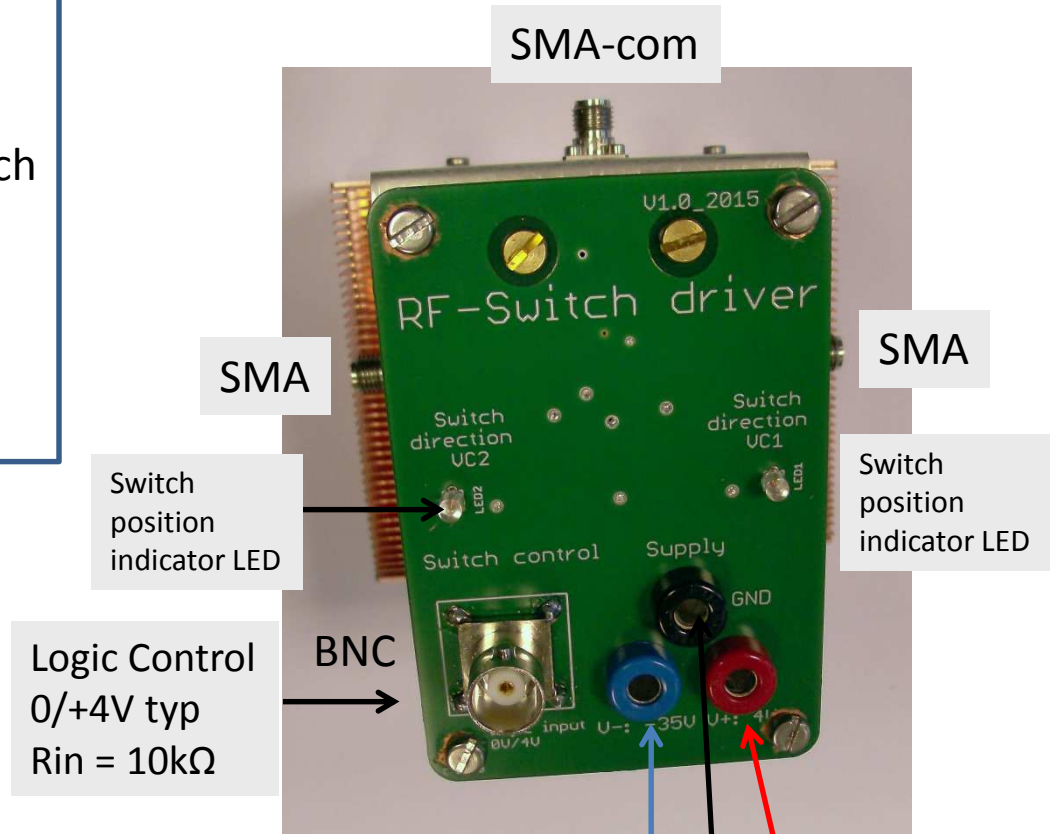
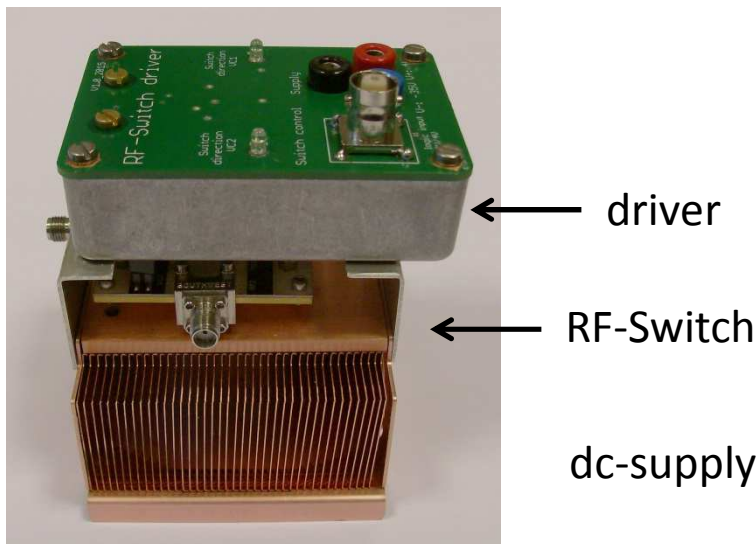
RF-PowerSwitch, driver and dc-supply

Basic diagram:



applying RF without dc-supply on the driver damages the RF-switch

In reality, looks like:



Logic Control 0/+4V typ
Rin = 10kΩ

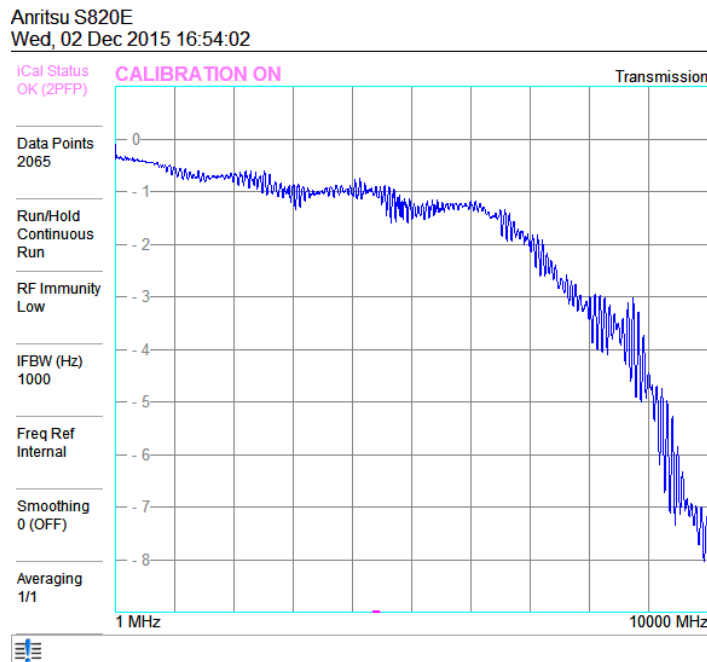
-30V/0V/+5V
dc-supply



RF-PowerSwitch, operation

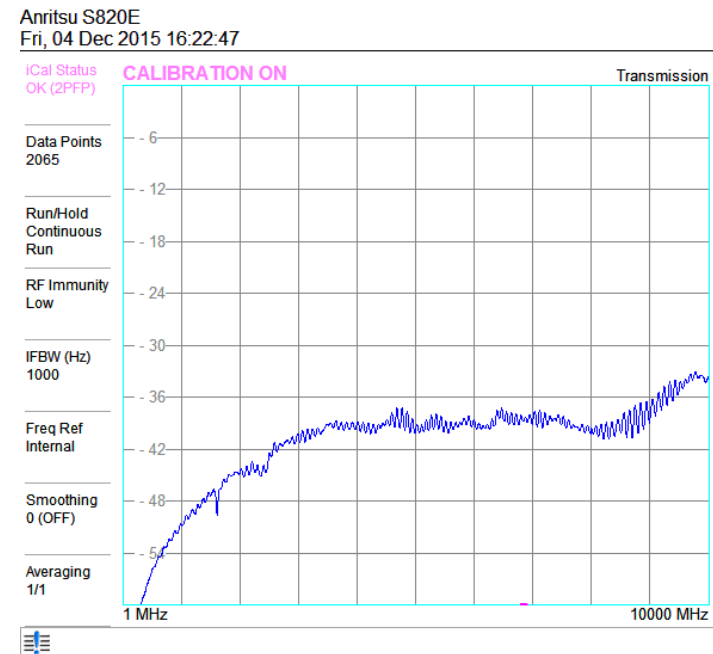
Switch operation , frequency domain:

Transmission (switch closed):



Transmission loss:
-0,5db @ 0,7GHz
1db @ 4GHz
-2db @ 7GHz
-3db @ 8GHz

Leakage (switch open):



Leakage:
-54db @ 0,7GHz
-38db @ 4GHz
-38db @ 7GHz
-40db @ 8GHz

RF-PowerSwitch, operation

Switch operation , time domain:

