

**Tx direction:**

The main part of the power from port 1 is directly delivered to port 2, only a small part is coupled out capacitively at port 3; the power relation port 3/port 2 is 1/10;  
 insertion loss: port 1 → port 2 : 0.4 dB  
 port 1 → port 3 : 10.4 dB

**Rx direction:**

Ports 2 and 3 are not matched to 50 ohms and the different impedances create different miss match losses. Furthermore, ports 2 and 3 are not decoupled;  
 signal flow: port 2 : 0.8 % reflected signal  
                   8.2 % → port 3  
                   91.0 % → port 1 (attenuation 0.4)  
 port 3 : 83.0 % reflected signal  
                   8.0 % → port 2  
                   9.0 % → port 1 (attenuation 10.4 dB)

**Conclusion:**

Power taps are reciprocal devices, the selected power distribution applies to both directions.

