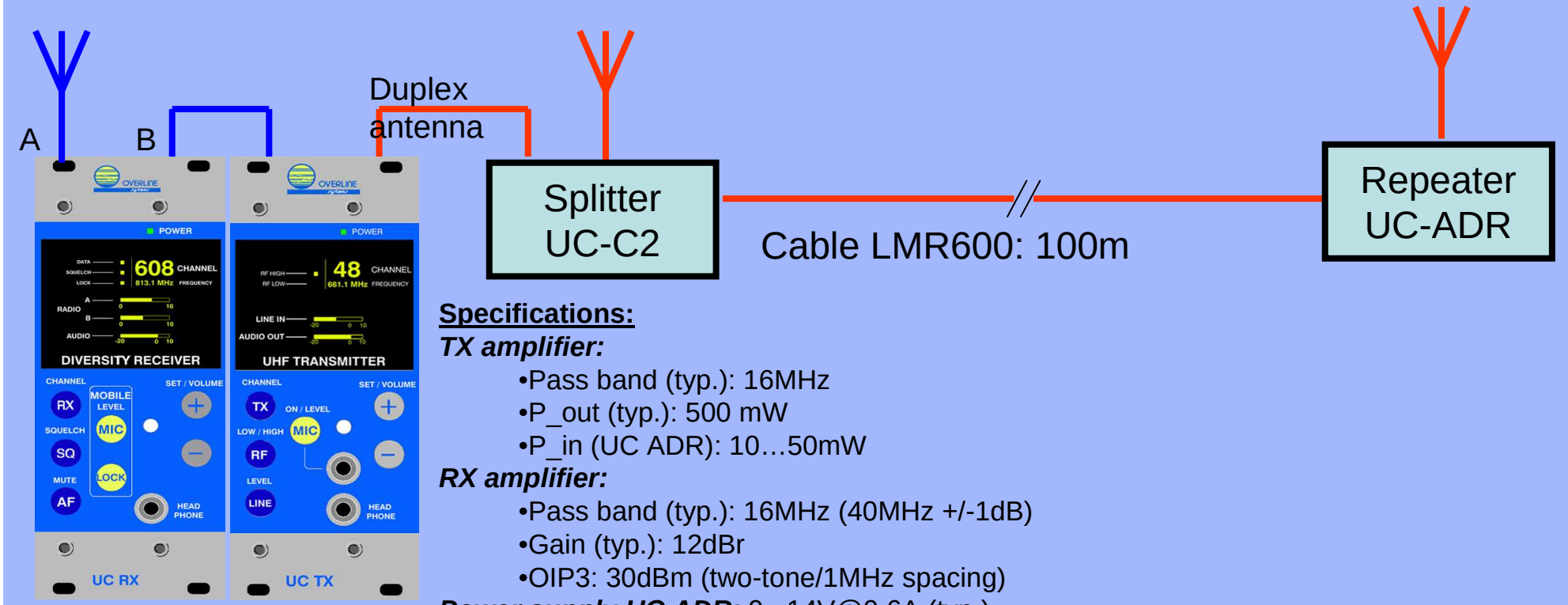
Duplex Repeater UC-ADR

➢Duplex power amplifier for transmission and reception

to restore cable losses between the base station and the antenna



Base station

Specifications:

TX amplifier:

- Pass band (typ.): 16MHz
- P_out (typ.): 500 mW
- P_in (UC ADR): 10…50mW

RX amplifier:

- Pass band (typ.): 16MHz (40MHz +/-1dB)
- Gain (typ.): 12dBr
- OIP3: 30dBm (two-tone/1MHz spacing)

Power supply UC ADR: 9...14V@0.6A (typ.)

- Power feed via the coax cable with UC PSA and UC PS4.
- Losses HF/DC between UC PSA and UC ADR: 12dBr_max/5 Ohm