Top diagram:

osmo-nitb ←→ osmo-bts-trx : Abis / IP/SS7

osmo-bts-trx ←→ osmo-trx : UDP

osmo-trx ←→ SDR : USB/Ethernet

SDR ·····→ firmware on phone : UM interface / TDMA/FDMA

firmware on phone ←→ Serial Port : RS232

Serial Port ←→ osmocon : USB

osmocon ←→ mobile : L1CTL interface / unix socket

Bottom diagram:

osmo-nitb ←→ osmo-bts-virt : Abis / IP/SS7

osmo-bts-virt ←→ virt-phy MS : virtual physical layer / multicast socket

virt-phy MS ←→ mobile : L1CTL interface / unix socket