Small Cell

1. Small Cell BS (Pico/Femto), Wi-Fi

Legacy Macro Cell Sites ➔ C-RAN

- Rooftop
  - MAX 30 RRH Per RT
  - BBU Marco Cell (Macro cell site with centralized BBUs)

- Rooftop
  - Activity WDM (SCAN)
  - BBU Marco Cell

CO (SK Telecom’s office building)

- 53 BBUs (connecting 804 RRHs)
- Traffic from GPON

C-RAN: Centralized/Cloud RAN
BBU: Baseband Unit
RRH: Remote Radio Head
SCAN: Smart Cloud Access Network

Legacy Macro Cell Sites

- # of CO ≈ 400
- # of BBU Marco Cell ≈ 300
- # of BBUs ≈ 12,000
- # of RRHs ≈ 80,000

Very Last Mile

CPRI Fronthaul (MAX 15~17Km between BBU and RRH)
IP/MPLS/Ethernet Backhaul