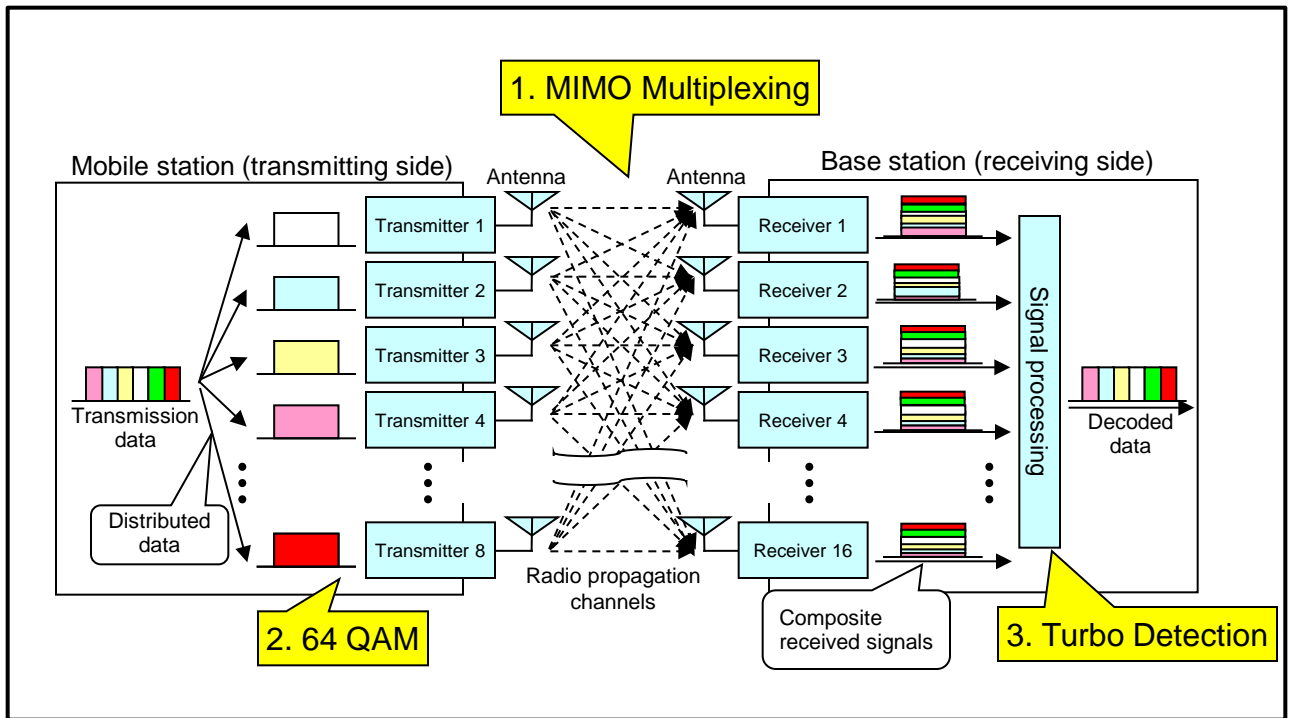


Key Technologies of 10 Gbps Packet Transmission Experiment



1) MIMO Multiplexing

Transmission of different signals from multiple antennas at the same time using the same frequency.

2) 64 Quadrature Amplitude Modulation (64 QAM)

System for converting data into transmitted signals. After conversion, data is represented as combinations of 64 signal points with different phases and amplitudes. In 64 QAM, six bits of data are sent per transmission.

3) Turbo Detection

High performance iterative detection process that repeatedly analyzes the reliability of received data and relays the information to the signal detector, thereby improving reception performance.