Deployment of LTE/LTE-A and technical trends toward 5G

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To accommodate the increasing mobile traffic, now LTE and LTE-A systems are going to be launched in many countries. However, traffic is expected to further increase according to the emerging new applications exploiting clouds. Thus the discussion toward 5G technologies is becoming hot and hot in both academe and mobile communication industry now.

In this presentation, current situation of LTE deployment by NTT DOCOMO will be introduced first. Then technical trend for 5G wireless access including non-orthogonal multiple access (NOMA) and Massive-MIMO will be presented.