

Samsung will demonstrate very high speed data transmission using 5G technology in the 28GHz band. Data transmission will occur in an indoor wireless 5G prototype system with one base station and one customer premises equipment prototype. The base station will transmit over an 800MHz-wide channel using a Time Division Duplex (TDD) frame structure. The 5G system will achieve a 3.7Gbps link speed using higher order Modulation and Coding Schemes (MCS) and Multiple Input/Multiple Output (MIMO) communication with beam selection.