

Amended

Exhibit 7

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Claim 1 of U.S. Patent No. 8,467,111

"In a multi-cell orthogonal frequency division multiple access (OFDMA) wireless communication system comprising a plurality of base stations, a mobile station configured to communicate with a serving base station in a cell via a communication channel, the mobile station comprising:

<p>1. In a multi-cell orthogonal frequency division multiple access (OFDMA) wireless communication system comprising a plurality of base stations and mobile stations, a mobile station configured to communicate with a serving base station in a cell via a communication channel, the mobile station comprising:</p>	<p>VW's Accused Products include vehicles equipped with components and/or software for use in 4G/LTE networks and services, including services sold and provided by VW.</p> <p>To the extent the preamble is considered a limitation, VW's Accused Products do not infringe the patent. <i>E.g.</i>,</p> <p>The LTE specification (Series 36, Release 8) supports user equipment (UE) operation in a multi-cell environment via a procedure.</p> <p>For clarity, release 8 of the 36 series 3GPP specifications was frozen in December 2009 and used as the basis for the first wave of LTE equipment. The LTE marketplace includes releases from Release 8 through Release 17. Though for ease of review releases 9 through 17 are cited below, the same or functionally identical content exists in each corresponding release.</p> <p>The LTE network has many eNodeBs, base stations.</p>
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"In a multi-cell orthogonal frequency division multiple access (OFDMA) wireless communication system comprising a plurality of base stations, a mobile station configured to communicate with a serving base station in a cell via a communication channel, the system comprising:

4 Overall architecture

The E-UTRAN consists of eNBs, providing the E-UTRA user plane (PDCP/RLC/MAC/PHY) and protocol terminations towards the UE. The eNBs are interconnected with each other by means of the X2 interface. The eNBs are also connected by means of the S1 interface to the EPC (Evolved Packet Core), more specifically to the MME (Mobility Management Entity) by means of the S1-MME and to the Serving Gateway (S-GW) by means of the S1-U. The S1 interface supports a many-to-many relation between MMEs / Serving Gateways and eNBs.

The E-UTRAN architecture is illustrated in Figure 4 below.

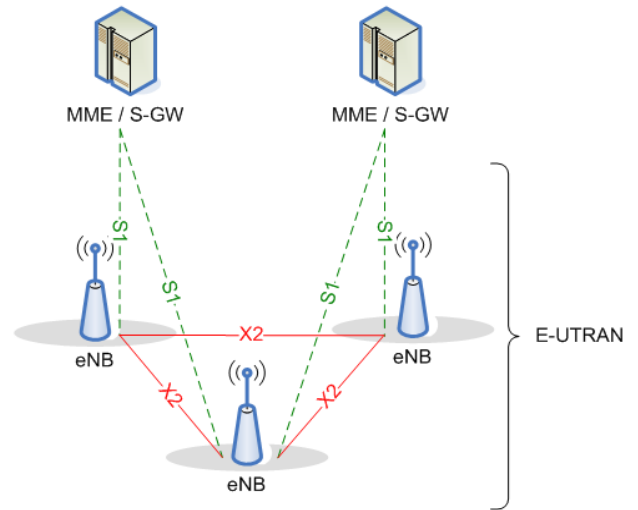


Figure 4-1: Overall Architecture

See e.g., 3GPP TS 36.300 V8.12.0 at pg. 15.

The user equipment (UE), mobile station, communicates with a corresponding

"In a multi-cell orthogonal frequency division multiple access (OFDMA) wireless communication system comprising a plurality of base stations, a mobile station configured to communicate with a serving base station in a cell via a communication channel, t

4.3.1 User plane

The figure below shows the protocol stack for the user-plane, where PDCP, RLC and MAC (eNB on the network side) perform the functions listed for the user plane in subclause 6, e.g. ciphering, scheduling, ARQ and HARQ;

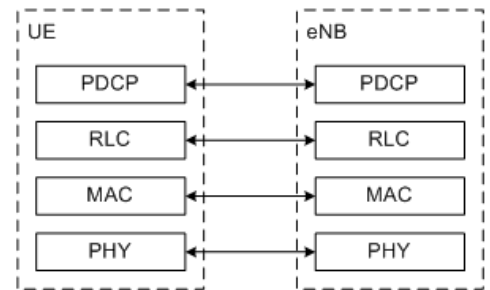


Figure 4.3.1-1: User-plane protocol stack

See e.g., 3GPP TS 36.300 V8.12.0 at pg. 18.

LTE uses OFDMA for both the downlink and the uplink. For the uplink, LTE is referred to a discrete Fourier Transform Spread (DFTS)-OFDM.

5.1.1 Basic transmission scheme based on OFDM

The downlink transmission scheme is based on conventional OFDM using a cyclic prefix. The sub-carrier spacing is $\Delta f = 15$ kHz. 12 consecutive sub-carriers during one slot correspond to one downlink resource block. In the frequency domain, the number of resource blocks, N_{RB} , can range from $N_{RB-min} = 6$ to N_{RB-max} .

See e.g., 3GPP TS 36.300 V8.12.0 at pg. 25.

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