Unlicensed LTE:
Can't we all just get along?

Market Study
First Quarter 2016

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Abstract

This market study discusses the various types of Unlicensed LTE technology which allow LTE to be used in the unlicensed 5 GHz spectrum band. It also discusses the current controversy surround LTE-Unlicensed (LTE-U), License Assisted Access LTE (LAA-LTE), the forthcoming 3GPP Rel-13 standard, and LTE Wi-Fi Aggregation (LWA) which is also being considered for standardization by the 3GPP.

The market study also provides a five-year forecast for the number of smartphones sales that will likely support Unlicensed LTE technology.

Key questions addressed in this study:

- What is Unlicensed LTE?
- What is the 5 GHz band and why is it important?
- What is LTE-U?
- What is LAA-LTE?
- What is Listen Before Talk?
- How are LTE-U and LAA-LTE different? Why is it meaningful?
- What is LWA? How is it different? Why is it meaningful?
- What is required to deploy LTE-U, LAA-LTE and LWA?
- When will any Unlicensed LTE technology be deployed?
- What is the potential adoption by consumers?

This market study is recommended for:

- Mobile operators, particularly those servicing the U.S. market
- Mobile backhaul providers, including telcos and cable MSOs
- Wired and wireless backhaul vendors and solution providers
- Mobile OEMs, particularly those servicing the U.S. market
- Wired and wireless infrastructure vendors, particularly those servicing the U.S. market
- Financial and investment analysts.