

## **Software Radios for Cellular/PCS Base Stations: Fact or Fiction**

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Abstract:

A simple model for software radios is defined. Market drivers are explored that influence consumer, system operator and equipment manufacturer behaviors. These market conditions are transformed to their effect on architectures used in PCS and Cellular Base Station Transceivers. Alternative radio architectures are discussed and presented as they relate to Dataquest 5-year technology forecasts.