

Nationwide WiFi Networks

Wi-Fi/802.11 is the most universal wireless connection to the Internet, and is integrated into all mobile devices. To service the data needs of these devices, numerous indoor adhoc networks of limited range Wi-Fi access points or “hot spots” have been deployed. While sufficient indoors, these networks cannot account for the content rich demands of mobile users who expect high bandwidth connectivity anywhere, anytime.

To meet the needs and expectations of the mobile user, Wi-Fi networks have begun to migrate outdoors in an effort to provide “ubiquitous coverage” and can be used by mobile carriers (ATT, Verizon, TMobile) to offload peak network demand, and by broadband providers (Comcast, Cox, Time Warner) to deliver new mobile wireless services regardless of location. While still in their infancy, and hampered by large coverage gaps due to the limited range of conventional access points, the expectation is that these Wi-Fi networks will one day offer a similar coverage profile to today’s cellular services.

Vivato’s outdoor “Carrier Class” access points create “hot zones” of square miles, offering high-bandwidth Wi-Fi with all the benefits of “cellular like” coverage. Vivato AP’s extended range enables them to be collocated on 260,000 domestic cellular sites comprised of towers and rooftops, to deliver nationwide Wi-Fi. Vivato’s range and deployment capabilities meet the wireless data needs of carriers and broadband providers, as well as enable a new category of service and content providers (Google, Apple, Amazon, Walmart, Netflix, etc) that were previously constrained by cost and complexity to deploy their own nationwide networks.

Vivato Technologies

Vivato Technologies was formed to leverage the technology and IP (13+ patents) of a \$100M venture backed company, Vivato Inc., to service the growing demand for mobile broadband through the development and deployment of 802.11 b/g/n/ac platforms.

Carrier Class Wi-Fi Technology

Vivato’s patented wireless Access Points combine Beam Forming Phased Array Antennas with Packet Steering™ technology to deliver extended range high bandwidth Wi-Fi point-to-point connections directly to the end user. With its patented antenna design and multi radio architecture Vivato can not only transmit farther but can also “listen louder” mitigating noise floor issues, and allowing mobile users to transmit directly back to the access point. A single Vivato Access point deployment can cover a seven square mile Wi-Fi “hot zone” which would require hundreds of conventional access points and complex network management tools

Intellectual Property

Vivato Technologies strong patent portfolio creates multiple enforceable barriers to entry for the development and deployment of extended range Wi-Fi, which will be further leveraged to establish market position and share. Vivato will continue to develop new platforms to integrate new 802.11n/ac standards based products further increasing bandwidth delivery over larger areas.

Market Opportunity & Position

With state of the art antenna technology, and the most definitive patent portfolio in the space, Vivato's Carrier Class Wi-Fi is the most effective way to deploy mobile broadband. Carriers can revisit their outdoor deployment strategies, integrating Wi-Fi with their 3G/LTE installations to reduce CAPEX licensing and deployment expense. Broadband providers can leverage their existing infrastructure to offer new value added services through a cost effective and easier to deploy Wi-Fi solution. And finally, Vivato will be used to create nationwide private networks for a variety of new operators to deliver high bandwidth service and content directly to their customers.

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