

5GHz WiFi Module Designed for 802.11ac Notebook and Mobile Equipment Applications



RF Micro Devices introduced the highly-integrated RFFM4501E front end module (FEM) for 802.11ac notebook and mobile equipment applications. RFMD's newest WiFi FEM meets or exceeds the system requirements for 802.11ac connectivity in the 5.150GHz – 5.850GHz frequency band and is optimized to support multiple applications, including notebooks, mobile routers, and low-power customer premises systems.

The RFFM4501E integrates a +17.5dBm (80MHz MCS9) PA at 3.3V, a low insertion loss/high isolation single pole two throw (SP2T) switch, harmonic filtering, and a low noise amplifier (LNA) with bypass mode, for equipment manufacturers seeking to adjust receive sensitivity. The receive chain provides 12.5dB of typical gain with only 12mA of current and an excellent noise figure of 2.5dB. Separate Rx/Tx 50 Ohm ports simplify matching and provide input and output signals for both the transmit and receive paths.

For more information, please visit RFMD's web site at www.rfmd.com [1].

Source URL (retrieved on 01/29/2015 - 6:15am):

http://www.wirelessdesignmag.com/product-releases/2013/01/5ghz-wifi-module-designed-80211ac-notebook-and-mobile-equipment-applications?qt-most_popular=0&qt-digital_editions=0

Links:

[1] <http://www.rfmd.com>

