

# **EXHIBIT 173**

## Samsung Galaxy S II Skyrocket SGH-I727 (AT&T)

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- Pros

Huge, colorful display. Ultra-fast LTE data speeds and dual-core CPU. Good camera.

- Cons No voice dialing over Bluetooth. Spotty AT&T LTE network coverage (for now).
- Bottom Line

The Samsung Galaxy S II Skyrocket offers blistering LTE data speeds, a massive screen, and very fast dual-core performance.



The Samsung Galaxy S II Skyrocket (\$149.99) is a big slab of Android, but with a twist: It's one of the first two smartphones to support AT&T's brand new 4G LTE network, the other being the HTC Vivid (\$99.99, 4 stars). We're giving the Editors' Choice nod to the Skyrocket, thanks to its faster performance, lightweight design, and vibrant (if not as high resolution) screen, but the Vivid is also a very powerful smartphone—you can't go wrong with either one.

### Design, Screen, and Call Quality

The Skyrocket looks a lot like the Galaxy S II (\$99.99, 4.5 stars). It features a matte, slightly textured back panel, black glossy plastic sides. It measures 5.15 by 2.75 by 0.37 inches (HWD) and weighs 4.65 ounces. At least, that's what Samsung and AT&T both claim. But if you lay the Skyrocket flat on a table and place a ruler next to it like I did, you'll find it's actually about 0.42 inches deep. It sticks up noticeably higher than an iPhone 4 I had nearby (which rings in exactly at its quoted 0.37 inch figure). The Skyrocket is still thinner than other LTE devices we've tested, though, and it's certainly lighter in weight.



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The massive 4.5-inch, 480-by-800-pixel, Super AMOLED Plus display is as vibrant and colorful as on other Samsung phones; it's also two tenths of an inch larger than the Galaxy S II's display. But at this screen size, I'd like to see more pixel density. On the plus side, you can read it outdoors, which was a problem with earlier AMOLED panels, and the gorgeous color and deep blacks really stand out. On a screen this size, you get big keys, so typing on the on-screen keyboard isn't a problem in either portrait or landscape mode.

The Skyrocket is a quad-band EDGE (850/900/1800/1900 MHz), tri-band HSPA+ (850/1900/2100 MHz), and dual-band LTE (700/1700 MHz) device. It also has 802.11b/g/n Wi-Fi; it connected to my own WPA2-encrypted network without issue.

There's no getting around it: LTE is fast. In a series of tests in and around Boston, MA, I saw data speeds ranging from 16Mbps to 25Mbps down, and 12Mbps up. Be aware that AT&T is still building out its LTE network; currently, it's only available in nine cities in the U.S. When not in an LTE area, the Skyrocket is rated as an HSPA+ 21 device; the Vivid is just HSPA+ 14.4. However, I saw roughly the same real-world HSPA+ speeds with both the Vivid and the Skyrocket, averaging up to 8Mbps down.

The Skyrocket is also a good voice phone. Callers sounded warm and clear through the earpiece, with no background hiss. The only flaw I heard was a faint wash of static around some syllables, but I had to strain to hear it in a very quiet room. Transmissions through the microphone were clear. Calls also sounded fine through a Jawbone Era Bluetooth headset (\$129, 4 stars). Voice dialing doesn't work over Bluetooth, which is a bizarre omission on a top-of-the-line smartphone. The speakerphone went quite loud, but distorted considerably at several of the higher volume settings; you won't want to use it for long conference calls. Battery life was good at 6 hours and 47 minutes of talk time.



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