Landing system of the Curiosity™ Mars Rover

In order to land the Mars rover, NASA developed a new, never-before used technology known as the "Sky Crane"

10 minutes to touchdown:
the capsule carrying Curiosity separates from its cruise stage and enters Mars' atmosphere at 13,200 mph (21,240 kph).

Entry Interface
10:10:46 PM PDT
10:24:34 PM PDT

Parachute Deploy
10:15:05 PM PDT
10:28:53 PM PDT

The parachute deploys
at an altitude of 7 miles (11 km) and the heat shield falls away. At this point speed is about 900 mph (1450 kph).

Heatshield Separation
10:15:25 PM PDT
10:29:13 PM PDT

As it nears the surface,
retro rockets fire to slow the vehicle to 1.7 mph (2.75 kph). The "sky crane" is deployed to lower the Curiosity gently to the Martian surface.

Touchdown
10:17:57 PM PDT
10:31:45 PM PDT

VectorStar® Vector Network Analyzers

Information Source:
NASA, Space.com

Call **1-800-ANRITSU** to place an order or schedule a demo, or visit
www.goanritsu.com/vectorstar4

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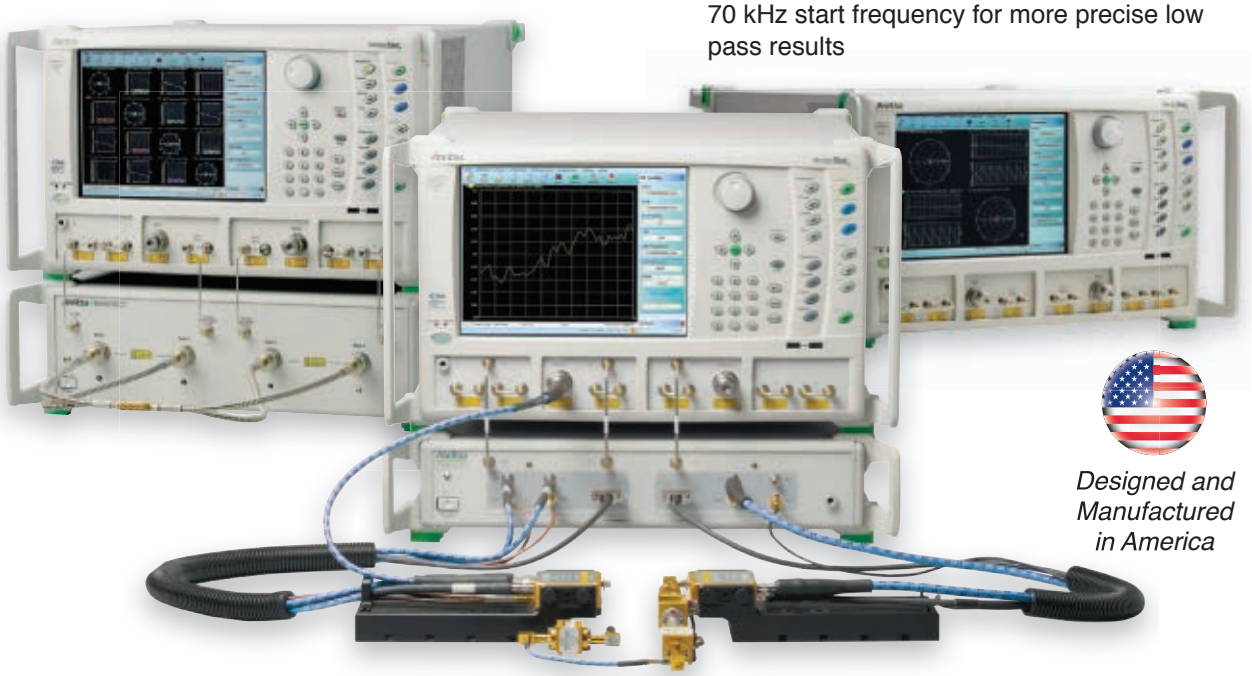
  - Up to 140 dB dynamic range
  - Superior dynamic range of 109 dB at 110 GHz

- ***Precise*** **results**
  - Industry-leading stability: better than 0.1dB and 0.5 degrees at 110 GHz over 24 hours
  - High level noise (trace noise) as low as 0.1 dB and 0.05 degrees
  - Noise floor as low as -129 dBm with direct receiver access option
  - Best-in-class time domain analysis including 100,000 points for maximum flexibility and 70 kHz start frequency for more precise low pass results



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  - On-wafer device characterization
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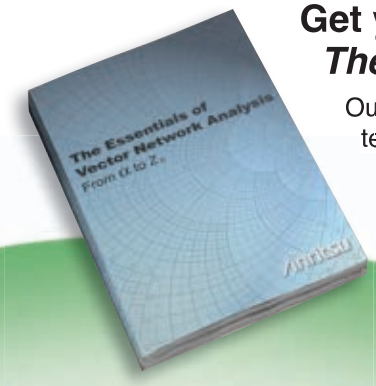

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