

ANT-5 Field Tester

Installing, Commissioning, and Supporting 3G Networks

Highlights

- Verify end-to-end connectivity with IP-Ping
- Provide real-time analysis on key connections to Node B with IMA monitoring
- Verify voice and data traffic capabilities with AAL2 and AAL5 generation and analysis
- Generate traffic at commissioning to emulate in-service situations
- Verify system management to maintain critical services
- Supports SDH, PDH, and ATM to test the entire transmission infrastructure



The JDSU ANT-5 Field Tester enables service providers to cost effectively install, commission, and maintain the wireline systems used to support the 3G (UMTS) mobile networks.

A new option of the ANT-5 provides ATM traffic generation and analysis, IP-Ping, Trace-Route, and IMA monitoring, all essential technologies in supporting expanding 3G networks.

IP-Ping

The IP-Ping feature allows the ANT-5 to verify end-to-end connectivity and identify, at an early stage, any addressing issues in the network. This feature enables the ANT-5 to:

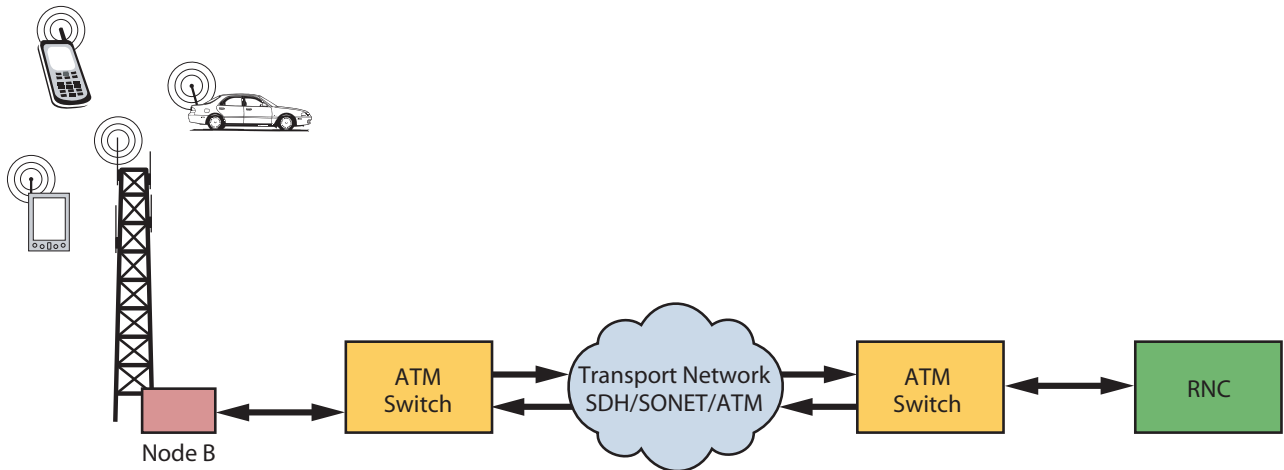
- Generate IP-Pings
- Respond to Ping requests
- Perform Trace-Route analysis

IMA Monitoring

As the use of 3G expands, the need to increase the capacity of the link between Node B and the ATM switch or network connection becomes critical. The IMA feature offers a flexible and cost effective solution that monitors up to 32 channels with realtime read-out providing the status of each channel. This feature gives the technician a clear overview of the link status and provides detailed link statistics.

AAL2/AAL5

AAL2 is used in UTRAN networks to carry voice, while AAL5 is used to transport data. A key feature of AAL2/AAL5 is the priority assigned to these channels. The ANT-5 enables the system to be stressed and to confirm the robustness of AAL2 to maintain time critical traffic, such as voice. This is also a critical feature of video due to its higher sensitivity to data loss. This feature enables the user to configure all key channel parameters of both AAL2 and AAL5.



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