ARRIS

1GHz Extended Linearized Forward Transmitters

(CHP-GFX-DXL) CHP Max5000™

- 1GHz bandwidth increasing forward capacity by 16%
- Analog linearization out to 870MHz to support global channel plans
- Unlock narrowcast bandwidth to accelerate deployment of advanced services
- Universal local or remote management through a Craft interface or SNMP HMS-compliant interface
- Investment protection through 2RU footprint

ARRIS CHP Max5000 1GHz Forward Path Transmitter with analog linearization extended to 870MHz is available with fixed output levels of 2, 4, 6, 8, 10, 12, 13, 14, and 15dBm. The 1GHz linearized transmitter helps MSOs unlock narrowcast bandwidth as subscribers demand advanced services and new content. Extended bandwidth from 870MHz to 1GHz will enable broadband service providers to increase forward capacity by 16% and the digital spectrum by 40%.

Energy efficient internal components and effective thermal design keep lasers cool to ensure effective, reliable performance. These versions offer hot-swappable and integrated management through the local Craft GUI and remote management via SNMP HMS compliant interface for external connections to an element manager.

The full featured, 1GHz dual-input transmitter offers multiple levels of drive control providing maximum flexibility addressing a broad range of applications. The Dual inputcapability presents 60dB of isolation from 45 to 870MHz, superior to alternative offerings. The dual input forward transmitter's high performance isolation offers, for example, simultaneous advanced service deployment of video and telephony without cross talking impairment. Integral high isolation eliminates having to add external devices to achieve similar performance, thereby lowering capital expenditures and reducing complexity.

Up to 10 CHP Max5000 transmitters can reside in the standard 2 RU CHP Max5000 chassis, with RF input and optical bulkhead connector access from the rear panel. Thus, a standard 40RU rack holds up to 200 CHP Max5000 1GHz Extended Linearized Forward Transmitters, providing exceptional space efficiency and reducing operational costs.

Product Flyer

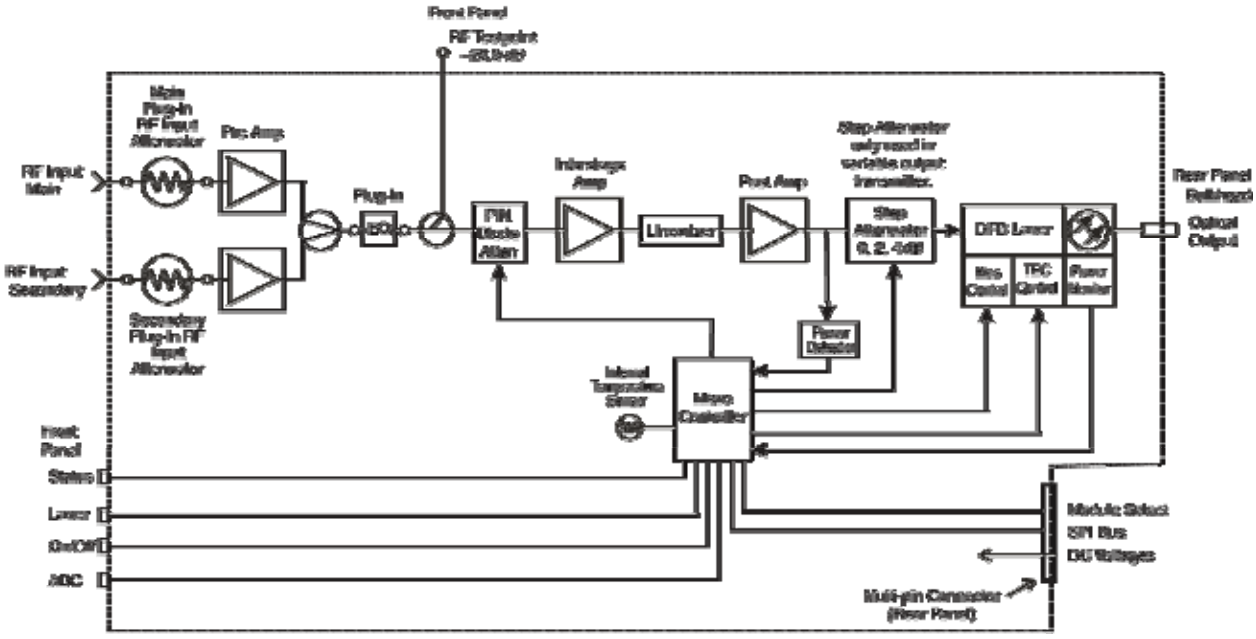
1GHz Extended Linearized Forward Transmitters (CHP-GFX-DXL) CHP Max5000

Features

- 1GHz technology
- Unlock narrowcast bandwidth to accelerate deployment of advanced services
- Investment protection through high module density (10 modules in a 2RU footprint)
- Dual high isolation full-bandwidth inputs for simultaneous advanced service deployment of video and telephony without cross-talk impairments
- Fixed output transmitters with 2, 4, 6, 8, 10, 12, 13, 14, and 15dBm output
- GUI configurable automatic drive control (ADC)
- Universal local or remote management through Craft interface and SNMP with HMS
- Economical fixed output version of the variable output series transmitter
- Downloadable firmware upgrades

Applications

1GHz Forward GFX-DXL TX Functional Block Diagram



www.arrisi.com—Find more information about the CHP Max5000 1GHz Extended Linearized Forward Transmitters:

- CHP Max5000 1GHz Extended Linearized Forward Transmitters Technical Specifications (Publication Code: CHPGFXDXL_TS.pdf)

Customer Care—Contact Customer Care for product information and sales

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