



Receive Channel

Typical Performance

All PCS Bands	
Frequency	1850 - 1910 MHz
Noise Figure	< 1 dB
Gain	13.0 dB
VSWR	1.5:1
OIP3	+28 dBm
Tx Rejection	> 80 dB

Transmit Channel

Characteristics Typical Performance

Tx Insertion Loss	0.3 dB
Rx Isolation	> 80 dB
Passband VSWR	1.2:1
Tx Power Handling	300 Watts CW / 3 kW peak pulse

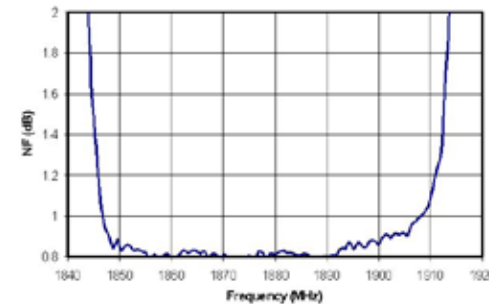
Mechanical/Environmental

Characteristics	Typical Performance
Power	VDC (+24 or -48 V) input, 15 Watts
Weight	27 lbs per module (2 RF paths supported)
Size	19"W x 9.3"D x 7"H
Tx and Rx Antenna Connectors	Type N-female, 50 Ohm
Ambient Temperature	0° to +50° C
Enclosure	Modular 19" rack mount chassis
Mounting	19" or 23" rack, cable tray mount also available
Lightning Protection	Shorted stubs on antenna ports Internal protection for alarm and DC paths
Reliability Features	Separate power supply and control electronics for each sector provide redundancy and ensure continued operation

Features & Benefits:

- > A single full-band system for uplink enhancement of any PCS band
- > Receiver front-end solution in a single sector modular enclosure featuring integrated duplexing
- > Increased sensitivity from a convenient ground-based package
- > Reduction in dropped and blocked calls
- > Increased capacity utilization, improved coverage, and higher data throughput
- > Higher reliability and lower noise figure than tower mount amplifiers

Typical Noise Figure Performance



Lowest noise figure available without HTS

Architecture

Duplexed RF Path

