SUPERCONDUCTOR TECHNOLOGIES INC.

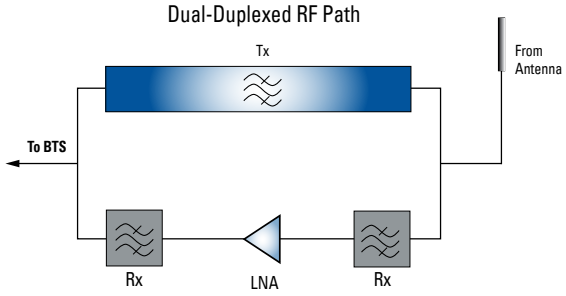
AmpLink™ 1900e-F

Receive Channel

PCS Full-Band	
Passband	1850 - 1910 MHz
Noise Figure	1 dB
Gain	13 dB
VSWR	1.5:1
OIP3	+28 dB
Tx Rejection	75 dB

(Numbers Represent Typical Performance)

Architecture



Features & Benefits:

- Easy to upgrade to AISG 2.0
- Integrated dual-duplexed receiver front-end in an outdoor enclosure
- Increased sensitivity from a convenient ground-based package
- Reduction in dropped and blocked calls
- Increased capacity utilization, improved coverage, and higher data throughput
- Modular 3-pack design - *two systems required per sectored site*
- Redundant architecture for Main/Diversity paths

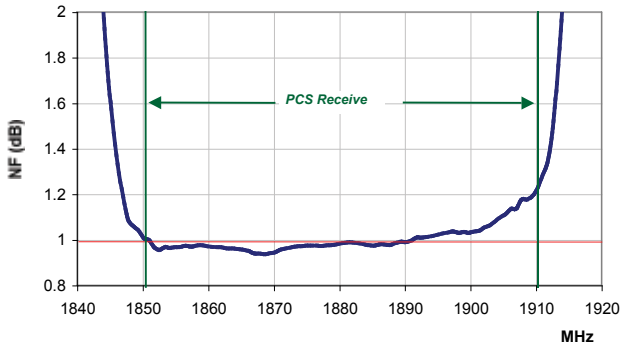
Mechanical/Environmental

Characteristics	Typical Performance
Power	VDC (+24 or -48 V) input, 30 Watts (max) Two 5-amp breakers or fuses
Weight	2-3 paths dual duplexed - 73 lbs
Size	10.5"W x 22.5"D x 13.5"H
BTS Antenna Connectors	Weatherized 7/16 DIN-female
Ambient Temperature	-30° C to +55° C
Enclosure Environment	NEMA 4X - corrosion and humidity IP66 - Ingress
Mounting	Ground-based: shelf, pad, or pole-mounted
Lightning Protection	Shorted stubs on antenna and BTS ports Internal protection for alarm and DC paths
Reliability Features	Redundant architecture protects all sectors against outages
Alarming	Dual Form C contacts for major and minor fault diagnosis

Transmit Channel

Characteristics	Typical Performance
Passband	1930 - 1990 MHz
Tx Insertion Loss	0.3 dB
Passband VSWR	1.2:1
Tx Power Handling	300 Watts CW / 3.0 kW peak pulse

Typical Noise Figure Performance



Lowest noise figure available without HTS