

## PICO REPEATER FOR WCDMA (Model # : ARP-1900U & ARP-2100)



### Description

- Low Cost to Extend Cell Coverage
- WCDMA Multi FA, Wide Band Repeater
- For WCDMA Service
- Easy to Install
- Automatic Gain Control (A.G.C)
- Low Output Power

Actipass repeater extends base station Coverage to shadow area caused by large buildings and other structures that can obstruct signal. Actipass repeater is suitable for small buildings, underground parking lots, subway stations and shopping malls, etc. It is offered increasing signal strength and high quality communication with low cost. The unit is easy to install and housed in a rugged.

### Specifications

Parameters		ARP-1900U	ARP-2100	Remark
Frequency Range	Down Link	1930~1990MHz	2110~2170MHz	Up to 20MHz
	Up Link	1850~1910MHz	1920~1980MHz	
Pass Band Ripple		3dB p-p	3dB p-p	
Pass Bandwidth	3dB Bandwidth	19MHz min.		
	40dB Bandwidth	21.5MHz max.		
Gain	Down Link	65dB	65dB	
	Up Link			
AGC Range	Down Link	30dB	65dB	
	Up Link			
Output Power max.	Down Link	7dBm/4FA	7dBm/4FA	
	Up Link			
Time Delay		5us max.	5us max.	
VSWR		1.5:1 max.	1.5:1 max.	

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ACLR	$F_c \pm 5\text{MHz}$	45dB min.	45dB min.	
	$F_c \pm 10\text{MHz}$	50dB min.	50dB min.	
Spectrum	$\pm 2.5\text{MHz}$	-22dBm max.	3Gpp	RBW 30KHz
Emission	$\pm 3.5\text{MHz}$	-34dBm max.		RBW 30KHz
Mask (In-band)	$\pm 4.0\text{MHz}$	-21dBm max.		RBW 30KHz
	$\pm 8.07\text{MHz}$	-25dBm max.		RBW 1MHz
Spurious Emission (Out-band)	9KHz~150KHz	-13dBm max.	3Gpp	RBW 1KHz
	150KHz~30MHz			RBW 10KHz
	30MHz~1GHz			RBW 100KHz
	1GHz~12.75GHz			RBW 1MHz
Noise Figure		6dB max.	6dB max.	
Error Vector Magnitude (EVM)		12.5% max.	12.5% max.	
Peak Code Domain Error (PCDE)		-35dB max.	-35dB max.	SF=256
Frequency Stability		$\pm 0.01\text{ppm max.}$	$\pm 0.01\text{ppm max.}$	
Power Supply		6V, 3.5A max.	6V, 2A max.	DC Adaptor
In/Output Connector		SMA(F) Type	SMA(F) Type	Include Service Ant.
Dimension (W x D x H)		110 x 46 x 172	110 x 46 x 172	Unit: mm
Additional Function		RSSI, Shutdown		

\* The specification can be modified upon buyer's requests.

\* All specifications are subject to change without notice.

\* The latest specifications are available at [www.actipass.com](http://www.actipass.com)