



# Multi Band Repeater Globalwave

## Repeater Band Selective GW-91821-20

Frequency band 900MHz/1800MHz/2100MHz

Electrical		GSM/LTE 900 Mhz	DCS/LTE 1800 Mhz	WCDMA/LTE 2100 Mhz		
Frequency	Uplink	907.5 - 915 MHz	1710.2 - 1732.5 MHz	1950 - 1965MHz		
Range	Downlink	952.5 - 960 MHz	1805.2 - 1827.5 MHz	2140 - 2155MHz		
Output Power	Uplink 18±2 dBm ; Downlink 18±2 dBm					
Gain	Uplink 68±2 dB ; Downlink 68±2 dB					
Manual Gain Control	31dB in step of 1dB					
Auto Level Control	≥30dB					
Gain Flatness	≤3dB (P-P)		≤3dB (P-P)		≤2dB/3.84MHz	
Out of Band Gain					f_offset	
	±400KHz	<50dB	±400KHz	<50dB	2.7≤f_offset<3.5MHz	<60dB
	±600KHz	<40dB	±600KHz	<40dB	3.5≤f_offset<7.5MHz	<45dB
	±1MHz	<35dB	±1MHz	<35dB	7.5≤f_offset<12.5MHz	<45dB
	±5MHz	<25dB	±5MHz	<25dB	12.5≤f_offset	<35dB
Spurious Emission Mask	---		---		Comply with 3GPP TS 25.106	
Modulation Accuracy	---		---		≤ 12.5%	
Peak Code Domain Error	---		---		≤ -35dB@Spreading Factor 256	
ACRR	---		---		20dB@±5MHz& ±10MHz	
Noise Figure	< 5dB					
Frequency Stability	≤0.01ppm					
Electromagnetic Compatibility (EMC)	Satisfied with Industrial A Standard (EN 55022)					
Max.Input Power	0dBm					
Group Delay	<9uS					
VSWR	≤1.5					
Mechanical	Standard					
I/O Port	N-Female					
Impedance	50 ohm					
Operating Temperature	-25 °C ~+55 °C					
Environment Conditions	IP40					
Dimensions	260x220x65mm					
Weight	≤ 5Kg					
Power Supply	Input AC90~264V, 1.6A					
Software	Standard					
Local Monitoring	PC via RS232 Port					
Remote Monitoring	Via GSM GPRS Modem					
Controlled Parameters	Gain, Frequency, Repeater ON/OFF, Alarm Enable, etc.					
Monitoring Parameters	Gain, Frequency, Repeater ON/OFF, Alarm Message, Output power, Temperature					
Alarm Items	Repeater Failure, DC Failure, ALC Alarm					

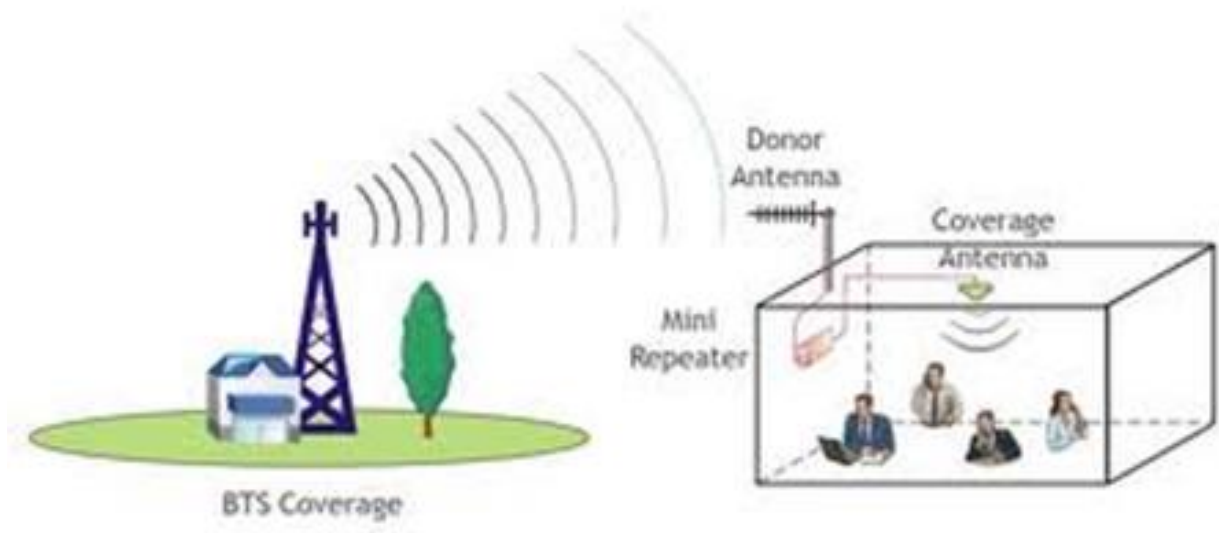
### Features :

- Triple Band Independent Amplifier
- High Linearity Power Amplifier
- Auto Power Control
- Lower Weight & Small Size

## *Applications :*

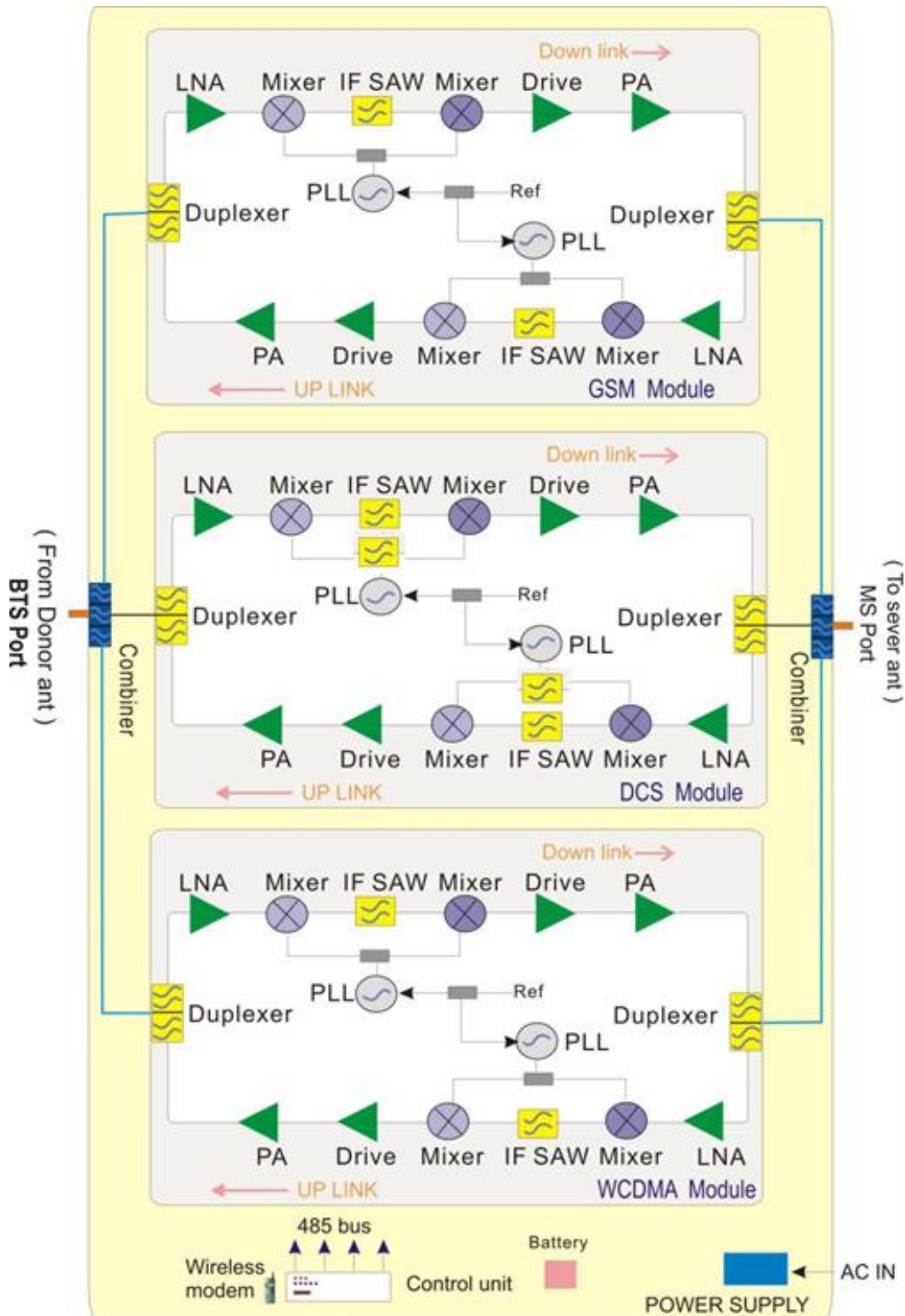
- **Corporate Office**
- **Hotels & Hospitals**
- **Basements**
- **Car parks**
- **Small offices**
- **Tunnel Train, Bus, ect**

## *Application Diagram of Pico Repeater*



- **Blind or weak signal areas like underground business places, basements, underground parkings, etc.**
- **Blind or weak signal areas in the dense resident buildings.**
- **Small-size areas like meeting rooms, supermarket, scriptorium, small public areas.**
- **Heavy traffic and social public areas like internet bars, coffee shops, gym clubs, entertainment places.**
- **Elevators, especially where the cables are difficult to be distributed.**

## Principle Diagram :



# **GWave** Multi Band Repeater Globalwave

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## *Product Pictures:*

