



Multi Band Repeater Globalwave

Repeater Band Selective 900MHz / 1800MHz / 2100MHz

Model/Type : GW-91821-20W

Technical Specifications

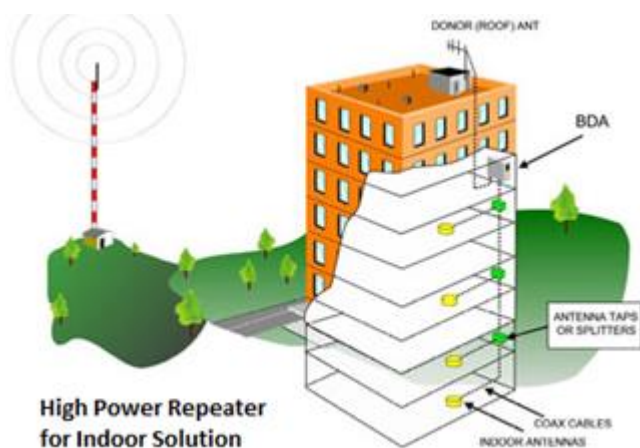
Electrical		GSM 900 / LTE 900		DCS 1800 / LTE 1800		WCDMA 2100 / LTE 2100	
Frequency Range	Uplink	907.7 - 914.8 MHz		1710.2 - 1732.3 MHz		1945.2 - 1959.8 MHz	
	Downlink	952.7 - 959.8 MHz		1805.2 - 1827.3 MHz		2135.2 - 2149.8 MHz	
Output Power		Uplink 23±2 dBm ; Downlink 41±2 dBm					
Gain		Uplink 88±2 dB ; Downlink 88±2 dB					
Manual Gain Control		31dB in step of 1dB					
Auto Level Control		≥30 dB					
Gain Flatness		≤3dB (P-P)		≤3dB (P-P)		≤2dB/3.84MHz	
Out of Band Gain	±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	
Intermodulation		≤-45dBc				Comply with 3GPP TS 25.106	
Spurious Emission Mask		---		---		Comply with 3GPP TS 25.106	
Peak Code Domain Error		---		---		≤-35dB@Spreading Factor 256	
Modulation Accuracy		---		---		≤ 12.5%	
ACRR		---		---		20dB@±5MHz& ±10MHz	
Noise Figure		< 5dB					
Frequency Stability		≤0.01ppm					
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		IP65					
EMC		Satisfied with Industrial A Standard (EN 55022)					
Dimensions		520x330x106mm					
Weight		≤ 30Kg					
Power Supply		Input AC90~264V, 3A					
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					

Technical Features :

- High sensitivity receiving, high performance LNA.
- Lower time delay processing technology.
- Local and remote monitoring Technology.
- Automatic level control, ALC function, ensure normal operation in harsh environments.
- With perfect management system and friendly interface, high reliable operation and fault handling ability

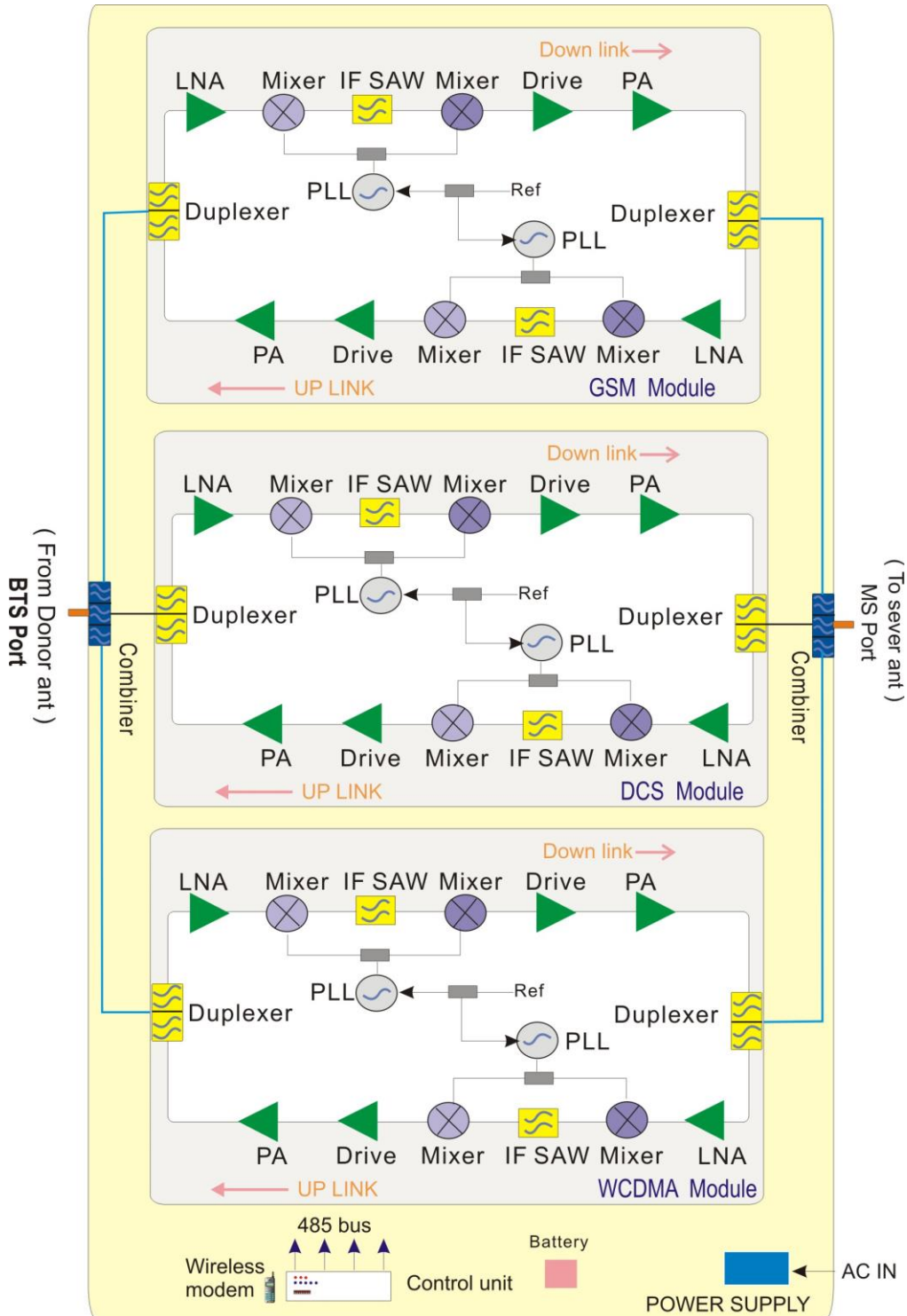
Applications :

- 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 etc.
- 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.



Application Diagram of Indoor & Outdoor Repeater

Principle Diagram :



G⁾⁾⁾Wave Multi Band Repeater **Globalwave**

Product Pictures :

