



Repeater Dualband Globalwave

Repeater Band Selective 1800Mhz / 2100Mhz

Model/Type : GW-1821-20W

Technical Specifications

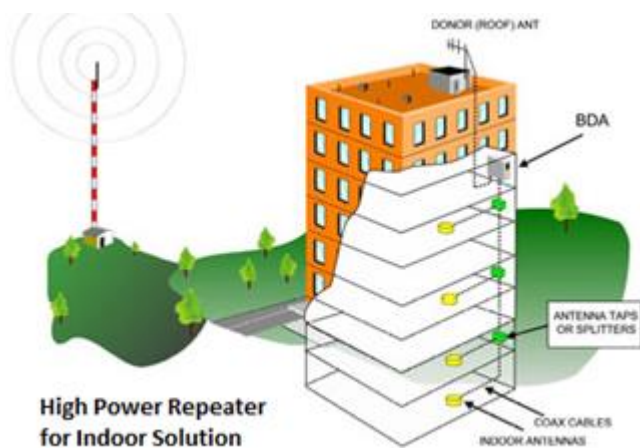
Electrical		DCS 1800 Mhz / LTE 1800 Mhz	WCDMA 2100 Mhz / LTE 2100 Mhz	
Frequency Range	Uplink	1710,2 - 1732,3 Mhz		1950,2 - 1964,8 MHz
	Downlink	1805,2 - 1827,3 MHz		2140,2 - 2154,8 MHz
Bandwidth		22,5 Mhz (Adjustable)		15 MHz (Manageable)
Output Power		Uplink 23±2 dBm ; Downlink 41±2 dBm		
Gain		Uplink 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)		≤2dB/3.84MHz
Out of Band Gain	±400KHz	<50dB	$2.7 \leq f_{offset} < 3.5\text{MHz}$	<60dB
	±600KHz	<40dB	$3.5 \leq f_{offset} < 7.5\text{MHz}$	<45dB
	±1MHz	<35dB	$7.5 \leq f_{offset} < 12.5\text{MHz}$	<45dB
	±5MHz	<25dB	$12.5 \leq f_{offset}$	<35dB
Intermodulation		≤-45dBc		Comply with 3GPP TS 25.106
Spurious Emission Mask		---		Comply with 3GPP TS 25.106
ACRR		---		20dB@±5MHz & ±10MHz
Peak Code Domain Error		---		≤-35dB@Spreading Factor 256
Modulation Accuracy		---		≤ 12.5%
Noise Figure		< 5dB		
Frequency Stability		≤0.01ppm		
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		
Electromagnetic Compatibility (EMC)		Satisfied with Industrial A Standard (EN 55022)		
Dimensions		450x360x170mm		
Weight		≤ 20Kg		
Power Supply		Input AC90~264V, 3A		
Software		Standard		
Local Monitoring		PC via USB/RS232 Port		
Remote Monitoring		Via GSM GPRS Modem (Optional)		
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.

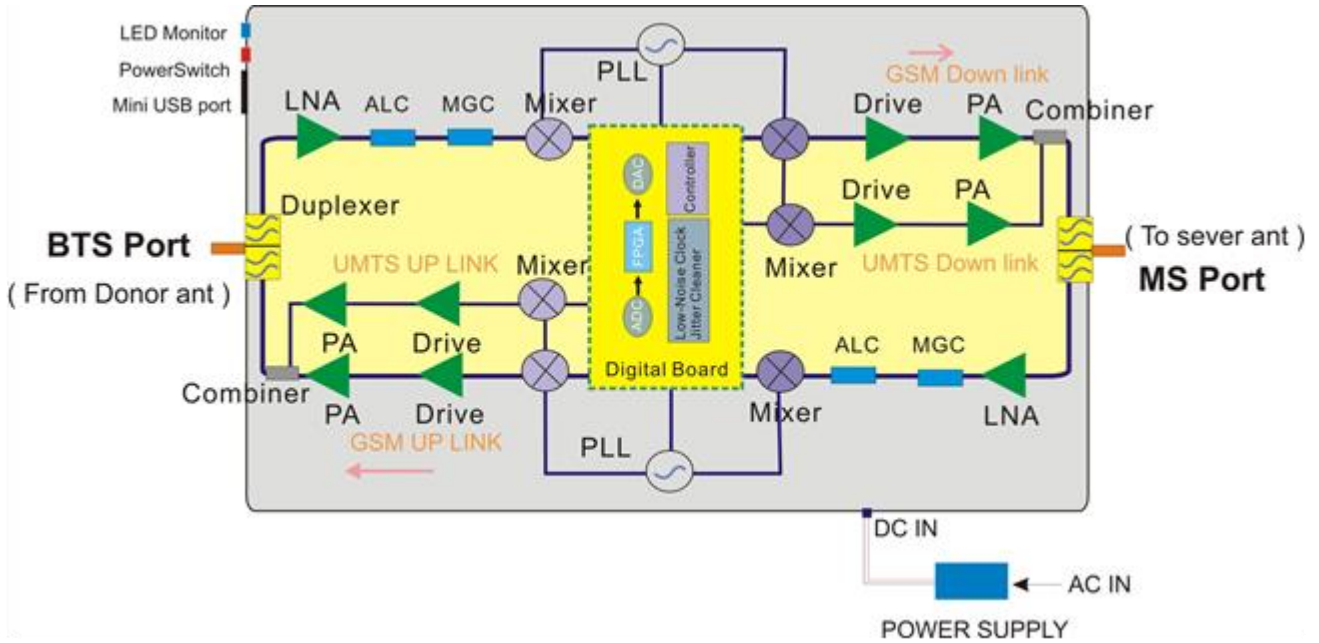


Application Diagram of Indoor & Outdoor Repeater



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Principle Diagram :



Product Pictures :

