

C20L Series Triple Band Repeater



Product Features:

- LCD display of operating figures.
- Real time isolation check and alarm.
- Self-oscillation elimination, auto degrading of output power in case of insufficient isolation detected.
- Auto turn-off in case of excessive self oscillation or over input.
- Idle turn-off, auto turn-off of uplink while no active users in the coverage , lowering interference to BTS.
- MGC, Manual control of output gain with 1dB step in the range of 31dB.
- ALC, auto control of output power, ensuring stable coverage.
- Linkage between uplink and downlink gain, keeping uplink and downlink balanced.
- MTBF: up to 100,000 hours.

Model List:

Model	Up link Frequency Range	Down link Frequency Range
C20L-B1B3B5	824~849/1710~1785/1920~1980MHz	869~894/1805~1880/2110~2170MHz
C20L-B1B3B7	1710~1785/1920~1980/2500~2570MHz	1805~1880/2110~2170/2620~2690MHz
C20L-B1B3B8	880~915/1710~1785/1920~1980MHz	925~960/1805~1880/2110~2170MHz
C20L-B2B4B5	824~849/1850~1910/1710~1755MHz	869~894/1930~1990/2110~2155MHz
C20L-B3B7B8	880~915/1710~1785/2500~2570MHz	925~960/1805~1880/2620~2690MHz
C20L-B3B8B20	832~862/880~915/1710~1785MHz	791~821/925~960/1805~1880MHz
C20L-B1B3B28	703~748/1710~1785/1920~1980MHz	758~803/1805~1880/2110~2170MHz

Technical Specifications:

Item	Up link	Down link
Output Power	15±2 dBm	20±2 dBm
Gain	65±2 dB	70±2 dB
Ripple in Band	6~15 dB	6~15 dB
Max Input Power Without Damage	-10 dBm	-10 dBm
Spurious Emission	9KHz~1GHz	≤-36 dBm
	1GHz~12.75GHz	≤-30 dBm
Gain Attentute Range	1~31 dB,step of 1 dB	
ALC control Range	≥ 25 dB	≥ 25 dB
LCD Indication	Band	working band and frequency
	Gain	uplink and downlink gain
	Pout	downlink output power
	Work	Normal operating: display;Uplink idle shutoff: no display
	ISO	Normal operating: no display;De-rated ISO operating: display; Self oscillation shutoff: flashing;
Mute when there is no user:	Available	

Real-time Self Oscillation Elimination Function	Available	
Over input turn-off:	Available	
EVM	Fully comply with 3GPP	
PCDE	Fully comply with 3GPP	
ACRR	Fully comply with 3GPP	
Noise Figure	≤8 dB	≤8 dB
Time Delay	≤1.5 μs	≤1.5 μs
Power Supply	DC: 12 V / 2 A	
RF Connection	N-Female	
Protection Classes	IP40	
Operating Temperature	-10°C~ +55°C	
Dimension	178*253*59mm	
Weight	<2.4kg	