



C20M-4B Quad Bands Repeater



Product features:

- LCD display of operating figures;
- Real time isolation check and alarm;
- Idle turn-off, auto turn-off of uplink while no active users in the coverage , lowering interference to BTS;
- Automatic linkage, Link balance function;
- MGC, Manual control of output gain with 1dB step in the range of 31dB;
- ALC, auto control of output power for stable coverage;
- Compact size, low power consumption and easy to install;
- MTBF: up to 100,000 hours.

Model list:

Model	Up link Frequency Range (MHz)	Down link Frequency Range (MHz)
C20M-B1B3B5B7	824~849/1710~1785/1920~1980/2500~2570	869~894/1805~1880/2110~2170/2620~2690
C20M-B1B3B7B8	880~915/1710~1785/1920~1980/2500~2570	925~960/1805~1880/2110~2170/2620~2690
C20M-B2B4B7B28	703~748/1710~1755/1850~1910/2500~2570	758~803/2110~2155/1930~1990/2620~2690
C20M-B1B3B7B20	832~862/1710~1785/1920~1980/2500~2570	791~821/1805~1880/2110~2170/2620~2690
C20M-B1B3B8B20	832~862/880~915/1710~1785/1920~1980	791~821/925~960/1805~1880/2110~2170

Technical specification :

Item	Up link	Down link
Output Power	15±2 dBm	20±2 dBm
Gain	70±2 dB	75±2 dB
Ripple in Band	≤6~15 dB	≤6~15 dB
VSWR	≤2.5	≤2.5
Max. input power without damage	-10 dBm	-10 dBm
Gain Attenuate Range	1~31 dB,step of 1 dB	
ALC control Range	≥ 25 dB	≥ 25 dB
Spurious emission	9KHz~1GHz	≤-36 dBm
	1GHz~12.75GHz	≤-30 dBm
EVM	Fully comply with 3GPP	
PCDE	Fully comply with 3GPP	
ACRR	Fully comply with 3GPP	
LCD Indication	Band	Display Working Band and Frequency
	Gain	Display of UL&DL Gain
	Pout	Display DL output power
	Work	Working normally: no display, Uplink Stand-by:display
	ISO	Normal operating: no display;De-rated ISO operating: display; Self oscillation shutoff: flashing;
	ALC	Not active:no display; Active@5-10dB:display; Active@15-29dB:display&flashing
Over input turn-off Function	Available	
Link Balance Function	UL&DL ALC linkage	
Auto screen lights off	No operation within 3 minutes	
Self-oscillation elimination	Available	
Noise Figure	≤8 dB	≤8 dB
Time Delay	≤1.5 μs	≤1.5 μs
Power Supply	DC: 12 V / 3 A	
RF Connector	N-Female	
Environment Conditions	IP40	
Operating Temperature	-10°C ~ +55°C	
Size	250*230*50mm	
Weight	<2.5kg	