

## C27S Series Triple Band Repeater



### Product features:

- ◆ **OLED** display of system operating status such as frequency, gain, output power and isolation.
- ◆ ISO display and alarm function make installation and debugging easy.
- ◆ Able to increase signal coverage, decrease mobile phone radiation, and increase mobile phone battery lifespan.
- ◆ **ALC**, accurate auto level control ensures stable coverage.
- ◆ **MGC**, manual gain attenuation of system gain within 1-31dB range, with 1 dB step.
- ◆ Coverage up to 2000 m<sup>2</sup>.
- ◆ **MTBF**: Up to 100,000 hours.

### Model list:

MODEL	Frequency Range of Up link	Frequency Range of Down link
C27S-B1B3B8	880~915/1710~1785/1920~1980 MHz	925~960/1805~1880/2110~2170 MHz
C27S-B1B3B5	824~849/1710~1785/1920~1980 MHz	869~894/1805~1880/2110~2170 MHz
C27S-B2B4B5	824~849/1850~1910/1710~1755 MHz	869~894/1930~1990/2110~2155 MHz
C27S-B1B7B8	880~915/1920~1980/2500~2570 MHz	925~960/2110~2170/2620~2690 MHz
C27S-B3B7B8	880~915/1710~1785/2500~2570 MHz	925~960/1805~1880/2620~2690 MHz
C27S-B1B3B20	830~862/1710~1785/1920~1980 MHz	791~ 821/1805~1880/2110~2170 MHz
C27S-B3B7B20	830~862/1710~1785/2500~2570 MHz	791~ 821/1805~1880/2620~2690 MHz

### Technical specification:

Item		Uplink	Downlink
Output power		23±2 dBm	27±2 dBm
Gain		70±2 dB	75±2 dB
Ripple in band		≤6~15 dB	≤6~15 dB
Spurious emission	9KHz~1GHz	≤-36 dBm	≤-36 dBm
	1GHz~12.75GHz	≤-30 dBm	≤-30 dBm
Gain Attentute Range		1~31 dB,step of 1 dB	
ALC control Range		≥ 25 dB	≥ 25 dB
OLED Indication	Band	Band name & frequency	
	Gain	Uplink & downlink gain	
	Pout	Downlink output power	
	Work	Device work indication	
	ISO	Isolation status indication	
Automatically mute when there is no user		Available	
Self oscillation elimination & turn off 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
Group delay		≤1.5 μs	≤1.5 μs
I/O impedance		50Ω	
Power supply		DC: 27 V	
Power consumption		< 100 W	
RF connector		N-Female	
Operating temperature		-10°C ~ +55°C	
Protection Grade		IP40	
Size		345*268*96mm	
Weight		<8.5kg	