

C27S Series Dual 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 m²
- ◆ **MTBF**: Up to 100,000 hours.

Model list:

Model	Uplink	Downlink
C27S-B3B8	880 ~ 915/1710 ~ 1785 MHz	925 ~ 960/1805 ~ 1880 MHz
C27S-B1B8	880 ~ 915/1920 ~ 1980 MHz	925 ~ 960/2110 ~ 2170 MHz
C27S-B1B5	824 ~ 849 /1920 ~ 1980 MHz	869 ~ 894/2110 ~ 2170 MHz
C27S-B4B5	824 ~ 849/1710 ~ 1785 MHz	869 ~ 894/2110 ~ 2170 MHz
C27S-B2B5	824 ~ 849/1850 ~ 1910 MHz	869 ~ 894/1930 ~ 1990 MHz
C27S-B1B3	1710 ~ 1785/1920 ~ 1980 MHz	1805 ~ 1880/2110 ~ 2170 MHz
C27S-B3B20	830 ~ 862/1710~1785 MHz	791 ~ 821/1805~1880 MHz
C27S-B1B28	708 ~ 748/1920~1980 MHz	763 ~ 803/2110~2170 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 & frequendy	
	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		< 65 W	
RF connector		N-Female	
Operating temperature		-10℃ ~ +55℃	
Protection Grade		IP40	
Size		285*268*96mm	
Weight		<7.5kg	