

C27S Series Single 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	Frequency Range of Uplink	Frequency Range of Downlink
C27S-B5	824 ~ 849 MHz	869 ~ 894 MHz
C27S-B8	890 ~ 915 MHz	935 ~ 960 MHz
C27S-B3	1710 ~ 1785 MHz	1805 ~ 1880 MHz
C27S-B4	1710 ~ 1755 MHz	2110 ~ 2155 MHz
C27S-B2	1850 ~ 1910 MHz	1930 ~ 1990 MHz
C27S-B1	1920 ~ 1980 MHz	2110 ~ 2170 MHz
C27S-B7	2500 ~ 2570 MHz	2620 ~ 2690 MHz
C27S-B20	830 ~ 862 MHz	791 ~ 821 MHz
C27S-B28	708 ~ 748 MHz	763 ~ 803 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~12.75GH	≤-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		< 40 W	
RF connector		N-Female	
Operating temperature		-10℃ ~ +55℃	
Protection Grade		IP40	
Size		285*268*58mm	
Weight		<4.5kg	