

# C27C-GD MOBILE SIGNAL BOOSTER

## FEATURES

- Light weight, compact size and high performance.
- Provides a quick cost-effective solution to indoor coverage problems.
- Reduces dropped calls.
- High linear design, low interference to the BTS.
- Low power consumption, ease of installation and great coverage.
- Intelligent design with built-in ALC function, ATT manual attenuation control at 1db/steps.
- With proper installation, expected coverage is 500~3000m<sup>2</sup>.
- SAW filter provides good out-of-band rejection.
- ALC function protects against oscillation.
- 1 or multi sub-bands in any two frequency bands.

## Electrical Specifications

- 1) Power adapter.
- 2) Voltage surge and lightning protection standard.
- 3) R5000 Insurance coverage included.
- 4) User manual.

## Also required

- 1) Outdoor/donor antenna.
- 2) Mast and mast wall mount bracket and fixtures.
- 3) Low loss up/link cable.
- 4) Low loss down/link cables and splitters.
- 5) Indoor/service antennas.



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## SPECIFICATIONS

Electrical Specification		Uplink	Downlink
Frequency Range	GSM	890 ~ 915 MHz	935 ~ 960 MHz
	DCS	1710 ~ 1785 MHz	1805 ~ 1880 MHz
Max. Gain		≥75dB	≥77dB
Output Power		≥20dBm	≥27dBm
Gain Adjust Range		31dB in step of 1dB	
Automatic Gain Control		> 20dB	
Ripple in Band		GSM ≤8dB (P-P) ; DCS ≤10dB (P-P)	
Max. Input Power Without Damage		0dBm	
Intermodulation Products	9KHz~1GHz	≤-36dBm	≤-45dBc
	1GHz~12.75GHz	≤-30dBm	≤-45dBc
Spurious Emission	9KHz~1GHz	≤-36dBm	≤-36dBm
	1GHz~12.75GHz	≤-30dBm	≤-30dBm
Noise Figure		< 8dB	
VSWR		≤2	
Time Delay		≤0.5μs	
MTBF		> 50000hours	
Power Supply		AC160~264V, 50/ 60Hz	
Impedance		50 ohm	
LED indication	Power LED	DC ON/OFF	
	Alarm LED	ALC 1~5dB, orange	
		ALC 20~25dB, red	
<b>Mechanical Specification</b>			
I/O Port		N-Female	
Dimensions (D x W xH)		275*268*58mm	
Weight		≤4.5Kg	
Installation Type		Wall Installation	
Environment Conditions		IP40	
<b>Environmental Specifications</b>			
Humidity		< 90%	
Operating Temperature		-10°C~55°C	

