

# C27C-GW 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		GSM		WCDMA	
		Uplink	Downlink	Uplink	Downlink
Frequency Range		890 ~ 915	935 ~ 960	1920 ~ 1980	2110 ~ 2170 MHz
Max. Gain		≥75dB	≥77dB	≥75dB	≥77dB
Output Power		≥20dBm	≥27dBm	≥20dBm	≥27dBm
Gain Adjust Range		31dB in step of 1dB			
Automatic Gain Control		> 20dB			
Max. Input Power Without Damage		0dBm			
Ripple in Band		≤8dB (P-P)		≤5dB (P-P)	
Intermodulation Products	9KHz~1GHz	≤-36dBm	≤-45dBc	Comply with 3GPP TS 25.106@Po=24dBm	
	1GHz~12.75GHz	≤-30dBm	≤-45dBc		
Spurious Emission	9KHz~1GHz	≤-36dBm	≤-36dBm	Comply with 3GPP TS 25.106@Po=24dBm	
	1GHz~12.75GHz	≤-30dBm	≤-30dBm		
Modulation Accuracy		--		Complies with 3GPP TS 25.106	
Peak Code Domain Error		--		Complies with 3GPP TS 25.106	
ACRR		--		Complies with 3GPP TS 25.106	
Noise Figure		< 3dB			
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			



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Mechanical Specification	
I/O Port	N-Female
Dimensions (D x W xH)	275*268*58 mm
Weight	≤4.5Kg
Installation Type	Wall Installation
Environment Conditions	IP40
Environmental Specifications	
Humidity	< 90%
Operating Temperature	-10°C~55°C

