

Triple Band Wide band Repeaters



Product Feature

- *Provide quick coverage solution for small signal weak & block zones.reduce drop/off calls.
- * Compact size, low consumption, easy installation, great cover.
- * Cover about 200~300 m² without block or obstruct.
- * Reduce cellphone transimt power and radiation, extend cellphone battery life.
- * High linear design, low interference to BTS.
- * Manual Gain Control function.
- * Triband in one repeater, effectively reduce the project cost.

Repeater models TE-91821B.

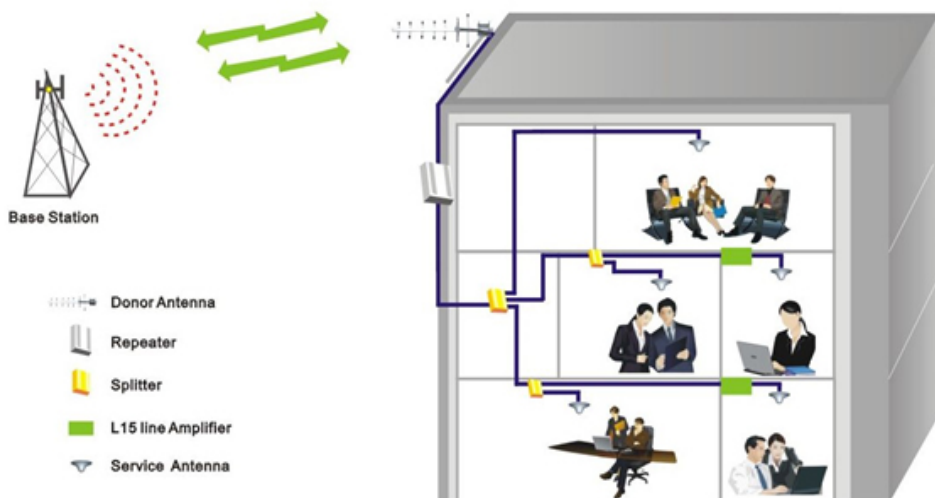
Standard Package

- 1) AC90-264V,DC5/5A power supply adapter 1PCS
- 2) AC power cord (EU standard/ US standard/UK standard/ SA standard/China standard, etc) 1PCS
- 3) Installation kit 1PCS
- 4) User manual 1PCS

Recommended Accessories

- 1) Donor antenna: Log Periodic Dipole Aantenna (8.2dBi@806-960MHz, 9.5dBi@1710-2500MHz)
- 2) Service antenna: Omni Ceiling Antenna (2dBi@824-960MHz, 4.7dBi@1710-2500MHz)
- 3) 1/2" RF cable with connector (Cable length optional) ;
- 4) Splitter,Coupler;

Application



Electrical Specification

Items		Uplink	Downlink
Frequency Range	GSM900+DCS+WCDMA	890 ~ 915 MHz	935 ~ 960 MHz
		1710 ~ 1785 MHz	1805 ~ 1880 MHz
		1920 ~ 1980 MHz	2110 ~ 2170 MHz
Max.Gain		50 ~ 60 dB	55 ~ 65dB
Bandwidth		Wide Band	
Ripple in Band		CDMA、GSM \leq 5dB ; DCS \leq 10dB; WCDMA \leq 5dB	
Max. Input Power Without Damage		0 dBm	
Output Power		13 dBm	13 dBm
Intermodulation Products	9KHz~1GHz	\leq -36 dBm	\leq -36 dBm@Po \leq 20dBm
	1GHz~12.75GHz	\leq -30 dBm	\leq -30 dBm@Po \leq 20dBm
Spurious Emission	9KHz~1GHz	\leq -36 dBm	\leq -36 dBm
	1GHz~12.75GHz	\leq -30 dBm	\leq -30 dBm
Spurious Emission Mask(WCDMA)		Complies with 3GPP TS 25.106	
Modulation Accuracy(WCDMA)		Complies with 3GPP TS 25.106	
Peak Code Domain Error(WCDMA)		Complies with 3GPP TS 25.106	
ACRR(WCDMA)		\geq 30dB @ \pm 5MHz& \pm 10MHz	
Noise Figure @ max. gain		\leq 8 dB(Typical)	
Return loss		\leq - 8 dB	
Time Delay		\leq 0.5 μ s	
MTBF		>50000 hours	
Power Supply		AC: 90~265V, 50/ 60Hz; DC: 5V/5A	
Power Consumption		< 30W	
Impedance		50 ohm	

Mechanical Specification

RF Connector	N-Female
Cooling	Heatsink Convection cooling
Dimensions (D x W xH)	330*268*58 (mm)



深圳纳科通信技术有限公司
ShenZhen Necom Telecommunication Technologies Co.,ltd.

Weight	< 2.5Kg
Installation Type	Wall Installation
Environment Conditions	IP40
Humidity	< 90%
Operating Temperature	-10°C~55°C

ShenZhen Necom Telecommunication Technologies Co.,ltd

Add: Room#A708 Feng Lin International center Jixiang zhong lu long gang district , Shen Zhen China 518172 Tel:86-755-28968485

Mobile:0086-13603042894

E-mail:sales@necom-telecom.com,mobilesignal@gmail.com Website:www.necom-telecom.com.com