

# RF Repeater\_Dual-Band

1800+2600 MHz

TS-RP-C27L-DH-80-27 (27dBm)



## LTE1800+LTE2600

The RF Repeater provides an affordable solution to solve the indoor signal coverage problems due to signal fading and attenuation caused by architecture obstacles. And its easy installation and maintenance can help carrier get fast return.

The repeater is working as a relay between the BTS and mobiles. It picks up the strongest signal from BTS via the Donor Antenna, linearly amplifies the signal and then retransmits it via the Indoor Signal Distribution System to the weak/blind coverage area. And the mobile signal is also amplified and retransmitted to the BTS via the opposite direction.

## Key features

- Two signal ports with full duplex design.
- LCD display to show the instant gain and power.
- Linear power amplification to effectively suppress inter-modulation and spurious emission.
- Stable and improved signal transmission quality.
- Smart Automatic Level Control (ALC) ensures output level stable and adjustable continuously.
- AGC to control output power at its maximum power level.
- MGC available for both uplink and downlink.
- Auto Isolation check between service and donor antennas.

## Advantages

- ✧ Multi-operator.
- ✧ Smart Automatic Level Control.
- ✧ LCD display to show the instant gain and power.
- ✧ Low interference & Oscillation prevention.



# Specifications

## Specifications:

Parameters	Uplink	Downlink
LTE1800	1710 ~ 1785MHz	1805 ~ 1880MHz
	2500 ~ 2570MHz	2620 ~ 2690MHz
<b>Operation Bandwidth (-3dB)</b>		60/70 MHz
Maximum Gain	≥75dB	≥80dB
Output Power	≥20dBm	≥27dBm
<b>MGC (Manual Gain Control)</b>		31dB range/1dB step
<b>AGC (Automatic Gain Control)</b>		≥25dB
Spurious Emission	9KHz~1GHz	≤ -36dBm
	1GHz~12.75GHz	≤ -30dBm
Noise Figure	≤ 6dB	
VSWR	≤ 1.5	
Group Delay	≤1μs	
LED Alarm	Power LED	DC ON/OFF
	AGC LED	GREEN @ Normal, Red @ ALC 10dB,
ISO	When AGC control over 25dB range, the ISO will turn to RED, and repeater will shut off	
Smart Mode	Automatically adjust the gain in both links according to the specific environment.	
Output signal strength	Shown output signal strength with numerical number.	
RF Connector	N-Female	
Impedance	50Ω	
Power Consumption	≤30W	
Power Supply	Input: AC 110-240V	
Operating Temperature	-10°C ~50°C	
Environment Conditions	IP40	
Dimensions (D x W x H )	310*170*65mm	
Weight	≤5KG	

# Applications

To expand signal coverage or fill signal blind area where signal is weak or unavailable.

**Outdoor:** Airports, tourism regions, golf courses, tunnels, factories, mining districts, villages, ...

**Indoor:** Hotels, exhibition centers, basements, shopping malls, offices, parking lots, ...

