RF Repeater_Four Band

700-2170 MHz   **TS-C33L-LGDW** **(33dBm)**

Tone Spread
Solutions for Wireless Signal

LTE700+LTE900+LTE1800+LTE2100

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.
- ➢ Linear power amplification to effectively suppress inter-modulation and spurious emission.
- ➢ Stable and improved signal transmission quality.
- ➢ LCD display to show the instant gain and power.
- ➢ Smart Automatic Level Control (ALC) ensures output level stable and adjustable continuously.
- ➢ Auto Isolation check between service and donor antennas.
- ➢ Smart mode to auto-adjust gain according to the isolation and signal level received by donor site.
- ➢ MGC available for both uplink and downlink.

Advantages

☑ **Multi_standards/Multi_operators**

☑ **Smart function**

☑ **LCD display**

Specifications

Technical characteristics

Item		Specifications
System		LTE700/LTE900/LTE1800/LTE2100
Working Frequency	Uplink	703~748/890~915/1710~1785MHz/1920~1980MHz
	Downlink	758~803/935~960/1805~1870MHz/2110~2170MHz
Working Bandwidth		45MHz/25MHz/75MHz/60MHz
Maximum Output Power		33dBm (DL) 23dBm (UL) per Band
Maximum Gain		85dB
AGC Range		≥ 20dB
MGC Range		0~30dB@Step of 1 dB
VSWR		≤ 1.5
System Delay		≤ 1.0μs
Noise Figure		≤6dB
Spurious Emission		9kHz~1GHz: ≤ -36dBm 1GHz~12.75GHz: ≤ -30dBm
Alarm Monitoring System		Uplink Self-Oscillation, LED Indicator
Isolation Detection		Isolation Check During Boot Time
RF Connector Type		2xN-Female
I/O Impedance		50Ω
Ingress Protection		IP55
Operating Temperature		-10℃~50℃
Relative Humidity		≤95%
Dimensions		460x338x165mm
Weight		≤18Kg
Power Supply		120W,AC100V ~240V, 50/60Hz
LED Alarm		Power LED, Smart Function
AGC Alarm		Alarm RED when AGC control over 10dB
Mounting Type		Wall Mounting

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, …