



10dBm LTE800 Single band Signal Repeater



Features:

1. The consumer repeater is an ideal solution for providing a cost effective improvement in cellular in-building coverage of a home, office, restaurant or building, in the quickest time possible.
2. Manual gain control (MGC) available for both uplink and downlink to adjust the gain value for proper coverage during installation or maintenance
3. To maintain safe and specific output signal levels and give alarms on self-oscillation, the repeater has built-in AGC and ALC circuits, which can automatically control the gain of the repeater depending upon the strength of input signals.
4. Auto shut off function available for both uplink and downlink to avoid deep self-oscillation from jamming the towers, saving your trouble from operators.
5. Multiple phones and other handheld devices throughout a building can benefit from a wireless repeater.
6. Extended phone battery life. (Your phone does not need to put out as much power due to improved reception.)

Electrical specification		Uplink	Downlink
Frequency Range	LTE	832-862	791-821
Max .Gain		≥ 60dB	≥ 65dB
Max .Output Power		≥ 10dBm	≥ 12dBm
Band width (-3dB)		30MHZ	
MGC (Step Attenuation)		≥ 31dB / 1dB step	
Automatic Level Control		≥ 20dB	
Gain Flatness	LTE	Typ≤ 8dB(P-P)	
Noise Figure		≤ 8dB	
VSWR		≤ 2.0	
Group Delay		≤ 1.5μs	
Frequency stability		≤ 0.01ppm	
Spurious Emission & Output inter-modulation		Meet 3GPP TS 25.143 (V 6.2.0)	
LTE System	Spurious Emission Mask	Meet 3GPP TS 25.143 (V 6.2.0)	
	Modulation Accuracy	≤ 12.5%	
	Peak Code Domain Error	≤ -35dB@Spreading Factor 256	
LED Alarm		Standard	
Power LED		Power Indicator	
ALC LED		Orange @ ALC 1~5dB, Red @ ALC 15dB~20dB,	
Mechanical Specifications		Standard	
I /O Port		N-Female	
Impedance		50 ohm	
Operating Temperature		-25°C~+55°C	
Environment Conditions		IP40	
Dimensions		250x125x52mm	
Weight		≤ 2.5Kg	
Power Supply		Input AC90~264V,output DC9V / 3A	