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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	