

## Repeater

### Repeater signal mobile GSM&UMTS 1290

For modern, mobile phone, is one of important communication tools, but its signal is very weak even disappear completely in some cities and countries due to the complex landform especially the elevators, basements and underground channels.

Sanllon series mini mobile-phone signal amplifier is very effective to improve the mobile-phone receiving signal and eliminate communication dead corners and blind zones in the areas where the signal is weak, for instance hotel, underground parking lots, nightclubs. In order to meet different needs we apply several types including 500m-3000m<sup>2</sup> and more than 10000m<sup>2</sup> for you.

The amplifier operational principle:

Here amplifiers and antennas are bi-directional running. Open antennas send the signals to amplifiers from base stations, and then indoor aerials transmit the signals magnified by the amplifier. Similarly, indoor aerials can send indoor signal to amplifiers, and then the signal can be sent to base stations after being magnified by the amplifier. The amplifier innards is as follows.

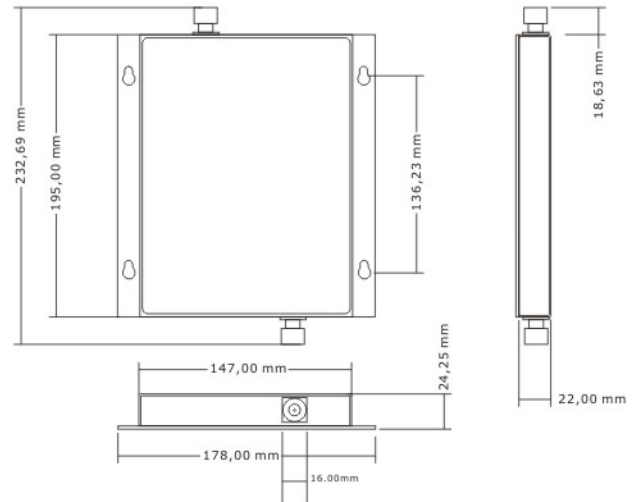
Indoor wideband repeater receives and amplifies BTS signals by server antennas, and rationally distributes and amplified signals to each indoor place through the Distributed Antenna System(DAS). The equipment with high-performance band selector or filter and linear power amplifier can effectively amplify the needed BTS signals, filter other unwanted ones, and improve the quality of network communication.

Model: 1290 (900&2100 Mhz)			
Modulo		900MHz	2100MHz
Frequency Range	Uplink (MHz)	890-915	1930-1995
	Downlink (Mhz)	935-960	2110-2180
Bandwidth		6 Mhz - 25 Mhz	
Max Output Power	Uplink	+17dBm Total power (ALC Level)	
	Downlink	+17dBm Total power	
Gain	Uplink	60 dB	
	Downlink	55 dB	
Return Loses		<-18 dB	
Noise Value		< 3 dB	
V.S.W.R.		<1.4 dB	
Delay		1 μs	
Impedance		50Ω	
Working Voltage		DC 12V. (Included)	
RF Connector		N-Female	
Size		(H x W x D) : 235 x 175 x 25 mm	
Size of packing		(H x W x D): 405 x 193 x 63 mm	
All-up weight		1.905 Kg	
Compact Design		Indoor Use	
Temperature		-40°C+55°C	

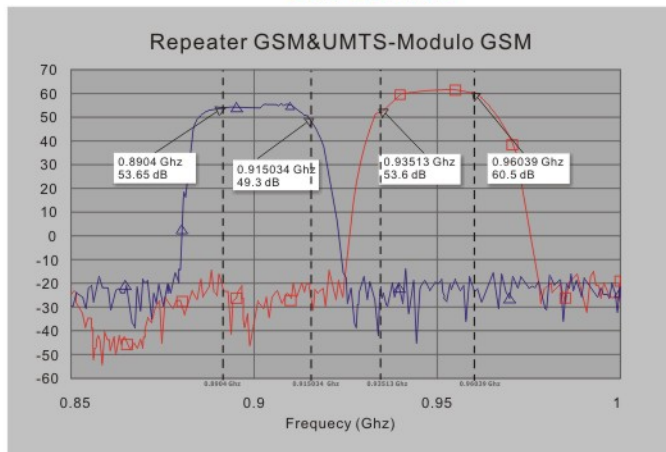


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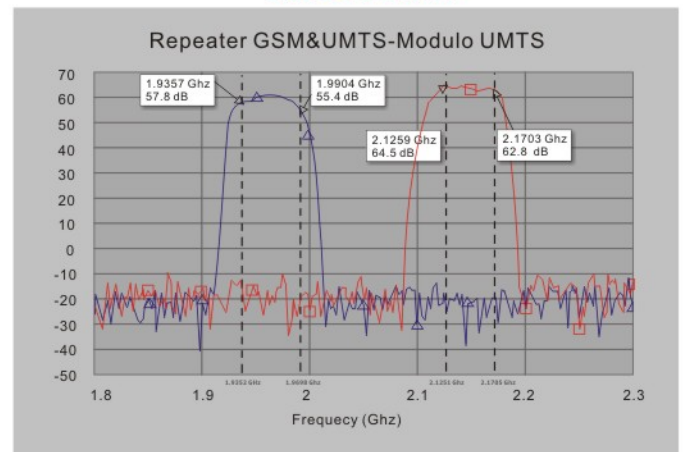
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#### GSM 900 Mhz



#### UMTS 2100 Mhz



### Size of packing



#### Content Pack:

- 1 Power supplies
- 4 Connectors
- 1 Repeater
- 1 Manual user



405 x 193 x 63 mm

