

18dBm Band Selective Dual Band 800-2100MHz LTE-WCDMA Pico Repeater Model No: MR-821-18W70-TS



Features:

- Supports, GSM, WCDMA & LTE with 18dBm composite power
- Fully comply with ETSI & 3GPP standards
- User friendly front panel Repeater GUI
- Antenna isolation testing
- Low power consumption with sleeping mode to minimize possible uplink interference
- Smart Automatic Level Control (ALC) ensures output level stable and adjustable continuously
- Intelligent mode to prevent oscillation

Introduction

The EMTS Telecom Services Ltd. Dual Band Mini Repeaters (MR) provides an excellent solution to the problem of poor signal coverage and used for coverage extension and for in building applications. The MR designed to support signal coverage for dual band LTE800 MHz and UMTS2100 MHz with up to 2000 sqm. covered area. The MR has the intelligent algorithm to minimize possible uplink interference and silent mode to disable the UL PA in the repeater when no subscribers traffic. The isolation detection function allows user to have ideas whether the distance between donor and service antenna is enough. The easy-to-install feature highlights the MR as a great solution for signal enhancement, improving coverage and capacity of the cellular network at dead areas where service is poor.



EMTS Telecom Services Ltd. offers a comprehensive portfolio of enhanced coverage solutions for the Wireless Networks, Based on advanced technologies. **EMTS** proven, indoor and outdoor solutions solve a wide range of network challenges including interference and oscillation problems, challenging coverage holes, rapid response deployment and inadequate in-building coverage. Regardless of the technology or frequency, **EMTS** can provide customized coverage solutions that address any combination of unique and complex network needs for the Wireless Networks.

Specifications:

Electrical specifications			
		Uplink	Downlink
Frequency	WCDMA 2100MHz	1935 - 1950 MHz	2125 - 2140 MHz
	LTE 800MHz	832 - 842 MHz	791 - 801 MHz
Gain		70 dB minimum	70 dB minimum
Output Power		18 dBm minimum	18 dBm minimum
Manual gain Control		30 dB in step of 1dB	
Auto Gain Control(AGC)		≥ 25 dB	
Maximum input power		0dBm(CW Signal)	
In-band ripple		± 3 dB	
Conformance Standard		ETSI GSM11.26, 3GPP TS 25.106, 25.143 TS 36.106, TS 36.143 and ETSI EN 300 609-4, EN 301 908-11 V11.1.1 (2016-05)	
Noise Figure		≤ 8 dB	
Impedance		50 ohm	
Group Delay		≤ 6 μ s	
AC Power (via external power supply)		110 - 240 VAC	
Mechanical Specifications			
Dimensions		200*200*40mm	
Weight		~2kg	
Impedance		(Nominal)50 Ω	
I/O Connector		N-female	
Environmental specifications			
IP Rating		IP40	
Operating Temperature		-15 $^{\circ}$ C~55 $^{\circ}$ C	
Monitoring specifications			
Power LED		Gain, Frequency, Repeater on/off, etc.	

About EMTS Telecom Services Ltd.:

EMTS Telecom Services is a leading supplier of high-quality RF coverage solutions designed to maximize wireless network coverage in difficult RF environments and complex settings. The company specializes in extending RF radio coverage to rural areas, office buildings, subways, tunnels and shadowed areas. The EMTS coverage solution supports all major mobile technologies and standards of wireless Networks.

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