

Tri Band 30dBm LTE Power Repeater 800-1800-2600 MHz Model No: PR-8-18-26-30W80



Features:

- Supports LTE with 30dBm composite power per band.
- Support full or partial bandwidth .
- Fully comply with ETSI & 3GPP standards (ETSI TS 136 508).
- User friendly computer GUI
- Antenna isolation testing , Intelligent mode to prevent oscillation.
- Low power consumption with sleeping mode to minimize possible uplink interference
- Smart Automatic Level Control (ALC) ensures output level stable and adjustable continuously.
- aluminum-alloy casing with IP65 protection has high resistance to dust, water and corroding.
- USB port provides a link to a notebook for local supervision or to the built-in wireless modem to communicate with the NMS .

Introduction

The EMTS Telecom Tri Band LTE Mini Repeaters (PR) 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 three bands 800, 1800 and 2600MHz with up to 6000 sqm covered area. The MR has the intelligent algorithm to minimize possible uplink interference, the 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:

Items		LTE DCS1800	LTE 800 & LTE2600
Working Frequency (Customized)	Uplink	1710-1785 MHz	832-862 MHz & 2500-2560 MHz
	Downlink	1805-1880 MHz	791-821 MHz & 2620-2680 MHz
Working Bandwidth(SAW Filter for UL&DL)			
Maximum Output Power		DL 30 dBm UL 24 dBm	DL 30 dBm UL 24 dBm
Gain		85±3dB	85±3dB
Gain Adjustment Range		1 to 31 dB @ step of 1 dB	
Voltage Standing Wave Ratio		≤ 1.5:1	
Noise Figure		≤ 5dB	
Spurious Emission		9kHz~1GHz: ≤ -36dBm/30kHz 1GHz~12.75GHz: ≤ -30dBm/30kHz	
Third-order Inter-Modulation		≤ -45dBc	--
In-band Ripple		≤ ±2dB	≤ ±2dB
Peak Code Domain Error (PCDE)		--	≤ -35dB
Error Vector Magnitude (EVM)		--	≤ 12.5%
ACRR	P ≥ 31 dBm	--	(Offset 5MHz) ≥ 33dB
	P ≥ 31 dBm	--	(Offset 10MHz) ≥ 33dB
System Delay		≤ 5.0μSec	
I/O Impedance		50Ω	
RF Connector		N-Type (Female)	
Temperature Range		Operation: -25°C to + 55°C	
Relative Humidity Range		≤ 95%	
Power Supply (Customized)		DC-48V or AC110V or AC220V,50/60Hz	
Backup Power Supply (Optional)		4 hours	
Application		Indoor or Outdoor(IP65)	
Dimensions		500 x 440 x 235mm	
Weight		≤38kg	
Remote Control Module		Wireless Modem (GSM)	
Control Connector		USB for local / remote	
NMS Monitoring Function		Real-time alarm for door status, temperature, power supply, VSWR. Remote control such as turn on/off, increasing/decreasing output power. Real-time status for output/input power, UL/DL gain, all status of repeater .	

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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