



TURNING TECHNOLOGY INTO SOLUTIONS

30dBm High Selectivity Dual Band 700-800MHz with Dual Block at 800MHz Power Repeater

Model: PR-70-80-30W80-5-3



Features

- **Dual Band configuration 700 and 800 MHz SMR bands**
- **Support dual or Single block at SMR 800 MHz band**
- **Superior RF performance, high efficiency**
- **Downlink 20dBm composite power**
- **High Gain and low Noise Figure**
- **Intelligent design, with built-in ALC function**
- **Designed to meet APCO 25, iDEN and LTE standards.**

Introduction

The EMTS Telecom Services Ltd. 700-800MHz, 30dBm Power Repeaters provide an excellent solution to the problem of poor signal coverage. The Power-Repeaters amplify the signals from the handset and base stations and can be used in dead areas where service is poor. The Repeater is connected to an outdoor 'donor' antenna using a coaxial cable. The donor antenna transmits signals from the handset and receives signals from the BTS. Service antennas are placed in dead zones. Easy installation, lightweight design and easy usage make our 700-800MHz Power Repeater a cost-effective and practical solution for extending signal coverage.



EMTS Telecom Services 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.

Technical Specifications

	Items		Parameters	
			Downlink	Uplink
1	Frequency Range The 800 MHz frequencies are for example only, can set any band configuration	Band 1	766 - 767 MHz	796 – 797 MHz
		Band 2 blocks A&B	851 - 856 MHz	806 - 811 MHz
			866 - 869 MHz	821 - 824 MHz
2	Composite Output Power		24dBm	30 dBm
3	Max Gain		80±3dB	80±3dB
4	Gain setting Range		30dB	
5	Gain setting Step		1dB	
6	Noise Factor		≤6dB	≤6dB
7	Max NO Damage Input Power		-10dBm	-10dBm
8	Automatic Level Control (ALC)		25 dB	
9	Pass Band Ripple		+/- 1.5 dB	
10	VSWR		≤ 2:1	
11	Time Delay		≤13.0μs	
12	Spurious Emissions	In-Band	≤-36dBm/3kHz or ≤-60dBc/3kHz	
		Out-Band(Deviation from the band edge outside 2.5MHz)	9kHz~1GHz : ≤-36dBm	
			1GHz to 12.75GHz : ≤-30dBm	
13	IMD	In-Band	≤-45dBc/30kHz	
		Out-Band(Deviation from the band edge outside 2.5MHz)	9kHz to GHz : ≤-36dBm	
			1GHz to 12.75GHz : ≤-30dBm	
14	Power Consumption		≤120 W	
15	RF Connection Mode		N/F,50Ω	
16	Power Supply Mode		AC 220V±20%,50±5Hz	
17	Operating Temperature		-25°C to +50°C	
19	Enclosure		IP65	
19	Size		330 x 280 x 90 mm	



About EMTS Telecom Services Ltd.:

EMTS 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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