

LMR – PMR 400MHz High Performances In-Line Booster Model No: ILB-400-33W48



Features:

- **Compensate insertion loss of passive components and transmission losses of feeder cables.**
- **Used for or Indoor Distributions or Tunnel Coverage.**
- **Advance Bi Directional Technology.**
- **30 / 33 / 37dBm composite power types, meet LMR/PMR system standards.**
- **Supports all combinations of APCO-25 and Analog 400 MHz bands**
- **Provide quick RF coverage service to your LMR Base-Station.**
- **Compact Size and high Performance in waterproof enclosure suitable for outdoor and indoor installations**
- **Metal cavity filter technology, allows wider receiving and transmitting separation, gain flatness, higher stability and lower noise figure**

Introduction

The EMTS LMR/PMR In Line Booster provides an excellent solution to the problem of insertion loss of passive components and transmission losses of feeder cables for Indoor Distributions or Tunnel Coverage.

Through the use of the ILB (In Line Booster) the LMR/PMR operator can easily expand a base station's service area by compensation on feeder losses.

The ILB amplifies the signals on the coax cables or leaky cable by using Advanced Bi-Directional Technology. Easy installation, lightweight design and very friendly GUI make our ILB easy to use and install. The EMTS ILB is a cost-effective and practical solution for extending signal coverage inside building, shopping malls, airport and tunnels where the LMR/PMR network having poor 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.



Specifications		Downlink	Uplink	
Frequency Range – Any partial bandwidth at the LMR 400 MHz band – please specify uplink and downlink bands		380-512 MHz	380-512 MHz	
Power output types	1W	30dBm	-20~0dBm	
	2W	33dBm	-20~0dBm	
	5W	37dBm	-20~0dBm	
Gain		48±3dB	48±3dB	
In-band ripple		≤3dB		
Gain adjustable range		≥30dB		
Gain adjustable step		1dB		
Noise figure		≤4dB		
VSWR		≤1.4		
Transmission delay		≤5us		
Spurious emission	In-band operating frequency	≤-36dBm/100KHz		
	Out-band operating frequency (offset operating frequency band edge over 2.5MHz)	9KHz-150KHz:-36dBm/1KHz		
		150KHz-30MHz:-36dBm/10KHz		
		30MHz-1GHz:-36dBm/100KHz		
		1GHz-12.75GHz:-30dBm/1MHz		
		890MHz-915MHz:-47dBm/100KHz		
		935MHz-960MHz:-47dBm/100KHz		
		1.8GHz-1.92GHz:-47dBm/100KHz		
3.4GHz-3.53GHz:-47dBm/100KHz				
Inter-modulation attenuation	In-band operating frequency	≤-15dBm/30KHz		
	Out-band operating frequency (offset operating frequency band edge over 2.5MHz)	9KHz-1GHz(include 1GHz):-36dBm/30KHz		
		1GHz-12.75GHz:-30dBm/30KHz		

Ordering information:

Model No: ILB-400-AW48-X-Y

A=Downlink Composite Power can be 30 or 33 or 37dBm

X= Uplink band

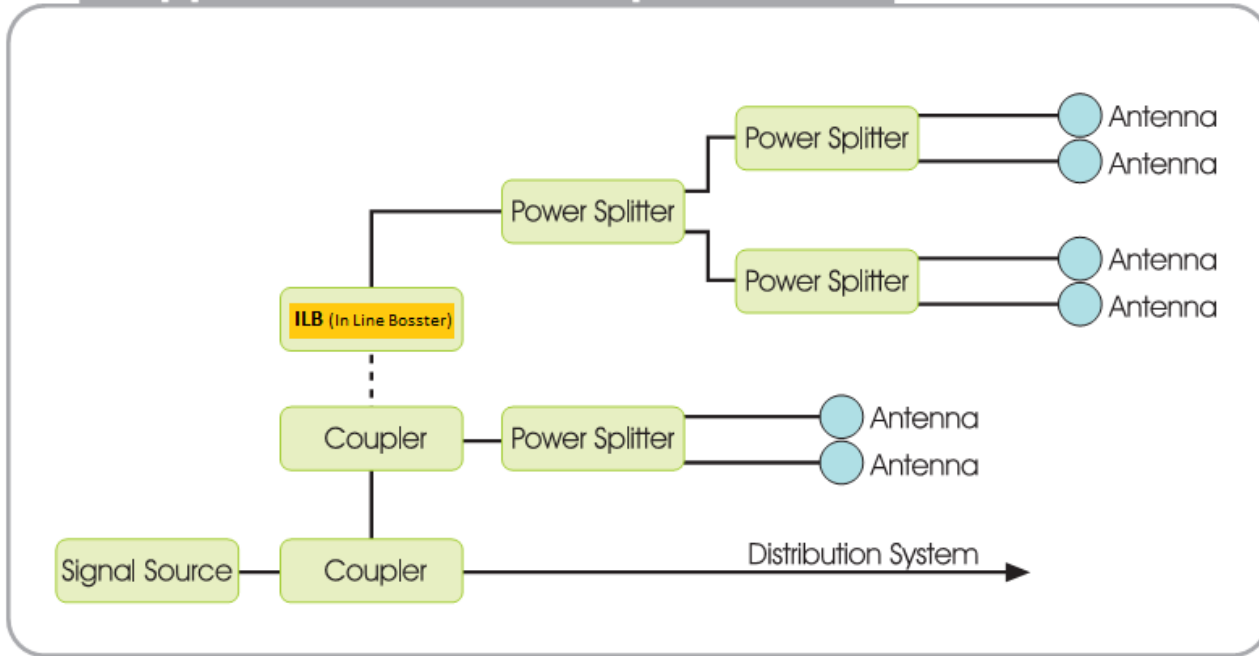
Y= Downlink band

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.



Application Sketch Map



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