

EGSM900 20W Tower Mounted Booster (TMB)



The TMB offers a cost-effective solution for extending coverage and improve the Tx and Rx quality of service from either new or existing BTS sites. Used with a micro BTS, the TMB can provide Macro coverage, achieving a low cost and compact solution, particularly suitable for rural applications.

Features

- High output power and excellent stability.
- Adopt advanced filtering technology and miniaturization design.
- High dynamic range.
- Provide indication of power supply, output power of downlink and uplink.
- Output power is 20W.
- 12dB gain for Rx path.
- Flexible 1/2 carrier configuration to easily work.
- Multiple Power Supply 220VAC, -48VDC.

Specification

TEST ITEM	SPECS. REQUIREMENT	
	Forward(Downlink)	Reverse(Uplink)
Frequency range	925~960MHz	880~915MHz
Max. output power (combined 2	20W	
Gain	12dB	12dB (15dB Max.)
Adjustable Range of Output Power	≥12 dB	
Optional band	35MHz	
Input/Output Connector	50Ω/N type connector	
In band ripple	≤0.5dB	
Transmission Latency	5μs	1.5μs
VSWR	≤1.3	
Tolerance of mismatched load	10:1	
Spurious and Harmonics	≤-36dBm/30KHz @9KHz ~ 1GHz	
	≤-30dBm/30KHz @1 ~ 12.75GHz	
IM3	≤-30dBm @ Po(PEP)=40W	
Power Supply Options	155-285 VAC/50Hz or -48 VDC	
Operating Temperature	-40 to +55 deg C	
Dimensions	400mm×400mm×240mm	
Operating	≤95%	
Weight	28Kg	

- Function:** Local and Long-distance monitor by CIU
- a) Protection for forward power over loading.
 - b) Protection for reverse power over loading.
 - c) Protection for over high temperature.
 - d) Automatically bypass for PA module failure

Diagram Block

