

High Selectivity - Tunable Bandwidth 800MHz TETRA High Power Repeater

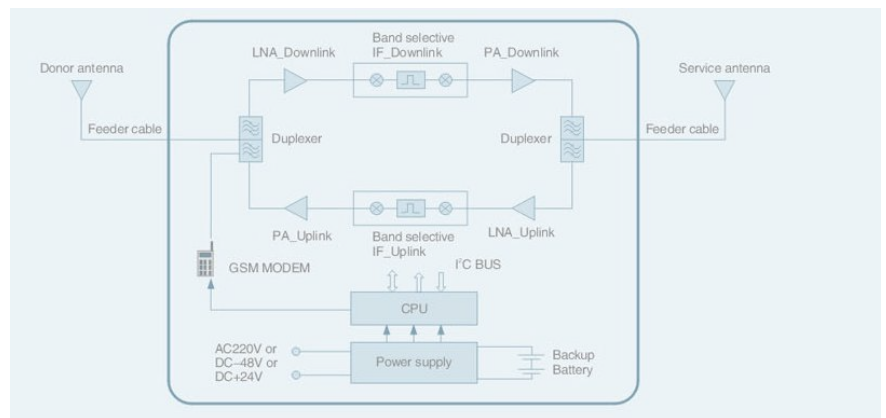
Model No: HPR-800T-40W90-TB



Features:

- Support 800 MHz Tanning modulation types – Analog, Digital, iDEN , TETRA ect.
- 40dBm composite power with 25dB ALC (auto level control) range
- High Selectivity & Low interference filtering technology
- Customized band selection function using tunable bandwidth mechanism
- Advance GUI - Gain, power and PA switch set by software
- High efficient RF amplification circuit, design for low power consumption.
- Easy installation, Compact design at waterproof enclosure, suitable for outdoor and indoor deployments
- Excellent filtering and noise rejection, suiting to sophisticated RF environment.
- Alarms on over power, over temperature, stationary wave and threshold

Our High Power Repeaters provides an excellent solution to the problem of poor signal coverage. The Repeater amplifies the signals from mobile phones and base stations, and can be used in dead areas where service is poor. Typical installations are at outdoor environment or for large buildings. The Repeater is connected to an outdoor 'donor' antenna using a coaxial cable. The donor antenna transmits signals from mobile phones and receives signals from the BTS. Service antennas are placed in dead zones. Signals from mobile phones used in the dead zones are then received by the service antenna and transmitted to



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.



TURNING TECHNOLOGY INTO SOLUTIONS

Specifications	Uplink	Downlink
Frequency Range	806 - 824 MHz	851 – 869 MHz
Band Selection	Tunable 1-18 MHz Center Frequency and bandwidth can be set by GUI	
Gain	90 +/- 3 dB	
Attenuation Range:	0-31 dB in steps of 1dB	
Gain Control Range	0-30dB	
Composite Output Power	30dBm min	40dBm min
ALC range (Automatic Power Control)	25dB Min	
Noise Figure	≤4dB	
Group Delay	5μ Sec.	
Pass Band Ripple	3dB p-p	
VSWR	1.4:1	
Power Supply	AC 100-240 V, 50/60Hz	
Power consumption	<200w	
Repeater Control	Set or Read repeater parameters, Alarms and status using GUI from local PC/Laptop via RS232 cable or remotely Using GSM MODEM (optional)	
Manual Indicators / Controls	1. Green Led: Power 2. Red Led: Alarm 3. Manual gain adjustment screws 4. AGC UL, AGC DL on/off switch.	
Repeater Control interface (NMS)	PC/Laptop via RS232 cable	
Size	500 x365x230mm	
Impedance	50 Ohms	
RF Connector	N female	
Weight	35Kg	
Work temperature	-20® to +55®	
Relative humidity	≤95%	
Enclosure	IP65 For Outdoor condition Box ready for wall or pall mount installation	

Ordering information:

Use Model No: HPR-800SMR-40W90-TB

For any special requirements such as extended bandwidth, DC power supply please contact factory .

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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