

SHYAM

RF Coverage Solutions

Tri Band RF Outdoor Repeater TB6M



APPLICATION AREAS

- Tunnels and Highways
- Islands
- Rural Locations
- Hilly Terrain
- Other Remote Outdoor Locations

TB6M Tri Band RF Repeater

Outdoor Coverage

The TB6M modular tri band RF repeater is equipped with a maximum of six non-contiguous sub bands in a 2+2+2 configuration using three service bands to provide outdoor coverage for mobile signals. This band-selective system is specifically designed for networks with non-contiguous frequency spectrum allocation. Available in a wide range of RF powers, this repeater extends the coverage area of mobile networks where installation of additional BTS would not be financially viable.



TRI BAND RF REPEATER
TB6M [OUTDOOR]

SALIENT FEATURES

- Compatible with GSM, CDMA, iDEN, WCDMA & GSMR technologies
- Available for 900 MHz + 1800 MHz + 2100 MHz / S850 MHz + S900 MHz + 1900 MHz frequency bands
- Designed for outdoor applications
- Conforms to FCC standards
- Compatible with frequency hopping BTS
- Low noise and highly linear RF performance
- Oscillation suppression feature
- APC (Automatic Power Control) for optimal linear output power
- System Monitoring through USB port with easy to view GUI
- Remote Management System (OMCR) and SNMP (Simple Network Management Protocol) is optional
- High selectivity hence excellent out-of-band signals rejection
- RSSI indication, local control & alarms
- Caters to networks with six non-contiguous sub bands in 2+2+2 configuration in tri bands

TB6M Tri Band RF Repeater

SPECIFICATIONS

Attenuation Range:	0-31 dB in steps of 1 dB
Attenuation Type:	Automatic/Manual through GUI
Automatic Power Control:	25 dB Min.
Impedance:	50 Ohms
Noise Figure:	5 dB Max.
V. S.W.R.:	1.5:1 Max.
Propagation Delay:	5.5 μ s Max.
Power Supply:	Input: AC 100 - 240 V, 47/63 Hz
RF Connector:	N Type Female
USB Interface:	RSSI, Power, Event, Alarm and Configuration
Operating Temperature Range:	-35 °C to +55 °C (-31°F to +131 °F)
Pass Band Ripple	+/- 2 dB
Remote Monitoring (Optional):	Wireless Modem (SNMP Option available)

MODEL SPECIFICATIONS

RF Power Composite (dBm) Min.	RF Power P1 (dBm) Min.	Power Consumption (Approx.)	Gain (dB) Min.	Dimensions (Approx.) mm (inches)	Weight (Approx.) kg. (lbs.)	Model Nos.
+33	+40	150 W	95	850x515x240 (33x20x9)	42 (92)	OT6R2 OT6R3
+37	+44	200 W	95	850x515x240 (33x20x9)	42 (92)	OT6R4 OT6R5 OT6R6

FREQUENCY BANDWIDTH

- The bandwidth of each sub band is customizable to your requirement

ACCESSORIES

- Operational Manual
- Power Supply Cord
- USB Interface Cable
- Software (CMC) CD

All Shyam signal enhancement products can be customized to fit your requirements. Contact the Shyam location nearest you for further details.

ABOUT SHYAM TELECOM

Shyam Telecom is a leading global telecom equipment manufacturer supplying innovative indoor and outdoor wireless signal enhancement solutions to more than 100 networks on five continents. The company designs and manufactures cost effective RF and optical distributed antenna solutions that enable mobile operators, real estate developers, neutral-host providers, and businesses to provide seamless wireless coverage within their networks.

Shyam Telecom has been manufacturing RF and fiber equipment for over 30 years, enabling reliable mobile communications for GSM, CDMA, UMTS, and Public Safety. The product line is designed to provide solutions that meet all of today's network standards, wireless protocols and frequencies to ensure coverage today, and state-of-the art technology to meet the needs of the future.

NEXT GENERATION SIGNAL ENHANCEMENT



CORPORATE HEADQUARTERS

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