

## RF Repeater

VEDANG's repeaters have been designed for optimal coverage enhancement for indoor use. The repeaters are deployed in high attenuation areas including shopping malls, building basements and subway tunnels.

The repeaters are available for all Telecom technologies. The design is robust and optimal gain setting allows for no maintenance after installation. Some of the salient features are:

- Sleek and light weight
- Field tunable
- Remote monitoring option (NMS)
- Easy Installation
- Optimal gain setting for no deterioration in quality of service
- In-built Automatic Overshoot Control

		Specifications	
Working Frequency	Uplink	GSM900: 890~915 MHz E-GSM: 880~915 MHz CDMA800: 824~849MHz	DCS1800: 1710~1785 MHz WCDMA: 1920~1980 MHz
	Downlink	GSM900: 935~960MHz E-GSM: 925~960MHz CDMA800: 869~894MHz	DCS1800: 1805~1880MHz WCDMA: 2110~2170MHz
Gain		50dB / 60dB / 80dB	
Gain Flatness		± 1dB (mid-band)	
Gain Adjustment Range		≥ 30dB (± 1dB steps)	
Frequency Band Selectivity		Full Band / Band Select / Channel Select	
No. of Sub-bands (Humps)		1 / 2 / 3	
Sub-band (hump) Bandwidth		Customer Specific	
Output Power		10dBm / 15dBm/ 19dBm / 23dBm / 27dBm / 33dBm / 40dBm	
Power Consumption		10W/15W/20W/25W/30W/35W/100W	
I/O Impedance		50Ω	
Return Loss		13dB (Typical)	
Noise Figure		6dB (typical)	
Group Delay		≤ 4.5μSec	
RF Connector		N-Type (Female)	
Operating Temperature		0°C ~ +50°C	
Power Supply		AC 90~ 260V	
Environment of Use		Indoors / Outdoor (as required)	
Remote Monitoring/Control via NMS		Supported (Optional)	
ALC (Automatic Level Control)		Supported	