

## PHS 1900MHz TM-AR-1900A Series Base Station Amplifier

### Features

- High gain linear power amplifier technique, excellent intermodulation and spurious emissions
- Advanced receiving sensitivity of base station (15~20 dB)
- Adopt digital control attenuator, gain is adjustable
- Lightning proof, water-resistant, weather-proof and stable performance
- Work with base station under 200mW condition , can completely substitute 500mW base station
- Widely used for various PHS base station
- Function: Expand PHS base station coverage



It is used in expand PHS base station coverage which is repeating and amplifying Multi-channel signals from the small base station of cellular system. Greatly improves cell phone performance while in building, eliminating problems such as unstable reception, unclear vocal quality, difficulty accessing calls and even calls being disconnected.

### Specification and Technical Information

| Item Number               |            | TM-AR-1900A-05                  |
|---------------------------|------------|---------------------------------|
| Freq Range                |            | 1900-1915MHz                    |
| Gain                      | Uplink     | Min 25dB                        |
|                           | Downlink   | Min 25dB                        |
| Ripple in band            |            | Max +/- 0.5dB                   |
| Gain control range        |            | Min 15dB (1dB Step)             |
| Downlink output power     |            | Min 37dB                        |
| Noise Figure              |            | Max 3dB(uplink)                 |
| VSWR                      |            | Max 1.3                         |
| Spurious Emission         | 9KHz-1GHz  | Max -36dBm                      |
|                           | 1-12.75GHz | Max -30dBm(1.9-1.915GHz except) |
| Input/Output Impedance    |            | 50 ohm                          |
| RF Connector              |            | N-F                             |
| Power Type                |            | AC220V / 50Hz                   |
| Environmental Temperature |            | -30 - +60 degree C              |
| Relative Humidity         |            | Max 95%                         |
| Dimension                 |            | 300x220x110                     |