

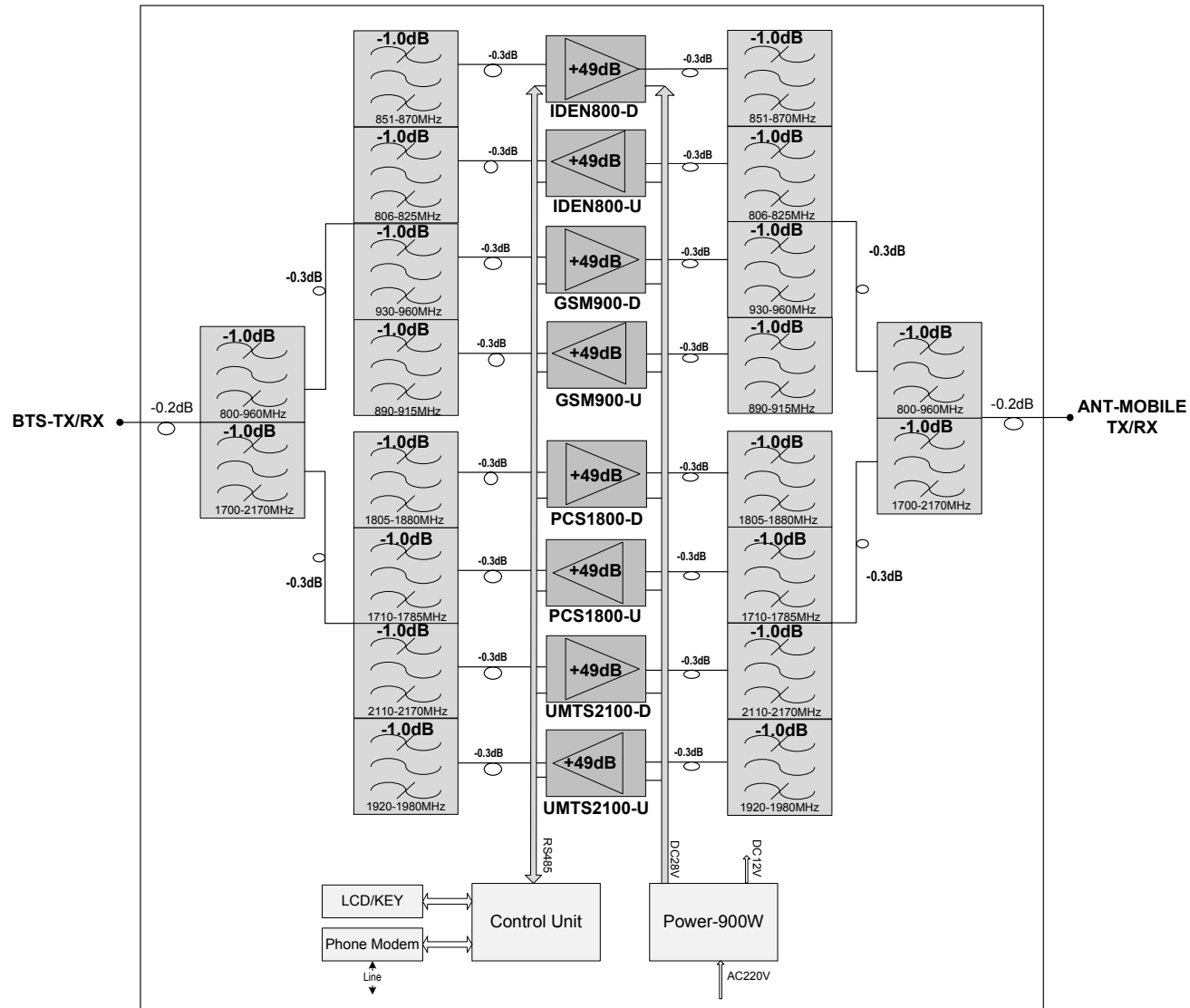
Multi-Band, Multi-Standard, Multi-Carrier Coverage System

RF Specification

Specification	Down Link				Uplink			
	IDEN	GSM	PCS	UMTS	IDEN	GSM	PCS	UMTS
Frequency (MHz)	851-870	935-960	1805-1880	2110-2170	806-825	890-915	1710-1785	1920-1980
Gain	46dB				46dB			
Adjustable Gain Range	30 dB at 1dB Step				30 dB at 1dB Step			
Pass Band Ripple	+/- 2 dB				+/- 2 dB			
Power O/P	+43dBm	+46dBm	+46dBm	+46dBm	+ 33dBm	+ 33dBm	+ 33dBm	+ 33dBm
IM3 (dBc)	>65	>65	>65	>65	>50	>50	>50	>50
ALC	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Noise Figure	< 4 dB				< 4 dB			
AC Surge Protection	Standard (Max. 7KA (8/20us), limiting voltage < 750V)							
Input power(max)	0dBm				0dBm			
VSWR	≤1.5							
Remote Control and Alarm Monitoring through Dial Up modem	Remote parameter setting, function control, status inquiring. If there has alarm, the system will report to the O&M center through modem.							
User Friendly O&M interface	LCD with press-keys							
Alarm Record Function	Alarm information is recorded, and only can be erased manually.							
Alarm & Monitoring Function								
- ALC Control Monitoring	ALC can limit the output power below the threshold, and the threshold of ALC is adjustable. The control status will be reported to O&M center when the ALC is running.							
- VSWR alarm	The VSWR of PA output signal could be reported to the O&M center. The alarm will be reported if the VSWR is over the threshold.							
- Signal Power I/P and O/P Monitoring	The O&M center could monitor the output / input power.							
- User defined over power alarm	PA unit will send over power alarm to O&M center when the output power is over the threshold. The alarm will be erased when the output power is below the threshold.							
- AC Power Monitoring	The +28V power supply status could be monitoring when the +12V power supply is normal.							

- Over temperature alarm	The PA temperature could be reported to the O&M center. The over temperature alarm will be reported to O&M center when PA temperature is over the threshold (adjustable).
- Door Open alarm	When door is open, the alarm will be reported. When the door is closed, the alarm will be erased and the door status will be reported to the O&M.
- Power Shut off	O&M center can switch-on or switch-off the +28V power supply.
Temperature of operation	-20 ~ +60 °C
RF port	N female
Power supply	220V AC
Current	<8A @ Full power output
Weight	82Kg
Communication port	RS232
Dimensions (H x W x D)	800mm*600mm*200mm
Mechanical Material	IP53
MTBF	100,000 Hours

System Block Diagram



Product Picture



Outline Drawing

