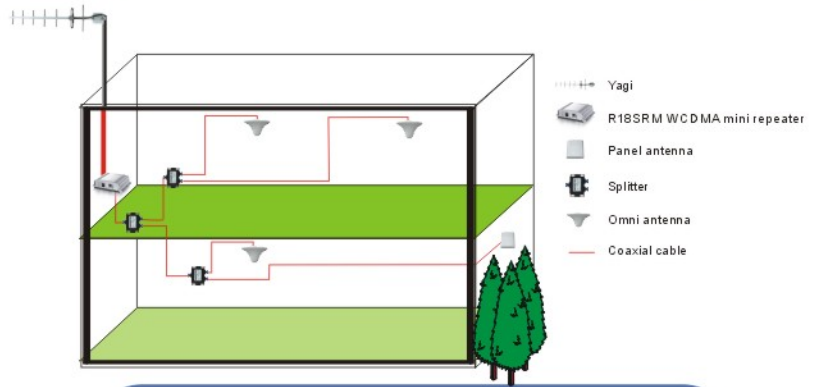




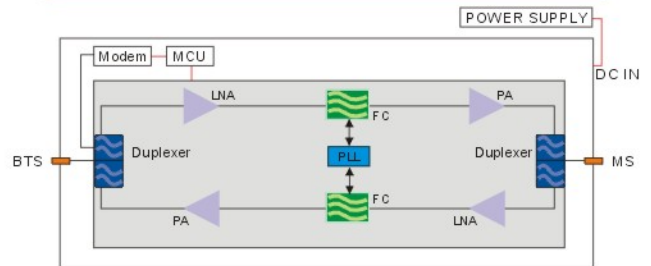
Application



Features

- ▶ CE and RoHS certificate
- ▶ One-step setup configuration
- ▶ Intelligent oscillation prevention
- ▶ Customized band selective function
- ▶ Support OMT local/remote control
- ▶ "AGC Link" technology to prevent interference
- ▶ Comprehensive LCD display

Block Diagram



Specifications

R18SRM-WCDMA		Uplink	Downlink
Frequency Range		1920 ~ 1980 MHz	2110 ~ 2170 MHz
Bandwidth (-3 dB)		various bandwidth is available upon request	
Maximum Gain		≧ 65 dB	
Manual Gain Control		31 dB @ 1 dB/ step	
Auto Gain Control		≧ 20 dB	
Gain Flatness		≧ 4 dB (p-p)	
Total Output Power		≧ 15 dBm/ total output power	
Out of Band Gain	2.7 ≧ f_offset < 3.5 MHz	≧ 60 dB	
	3.5 ≧ f_offset < 7.5 MHz	≧ 45 dB	
	7.5 ≧ f_offset < 12.5 MHz	≧ 45 dB	
	12.5 MHz f_offset	≧ 35 dB	
Spectrum Emission Mask		Complies with 3GPP TS 25.106	
Spurious Emission		Complies with Category B	
ACRR		≧ 20 dBc/ 30 KHz @ ±5 MHz & ±10 MHz	
Frequency Stability		≧ ± 0.01 ppm	
EVM		≧ 12.5%	
Peak Code Domain Error		≧ -35 dB @ Spreading Factor 256	
Input/ Output Intermodulation		Complies with 3GPP TS 25.106	
Noise Figure		≧ 6 dB typical	
Return Loss		≧ -10 dB	
Group Delay		≧ 4.5 μs	
RF Connector		N-Female	
Impedance		50 Ω	
AC Adaptor		Input: AC 100~240V; Output: DC 9V/ 5.5A	
Dimensions		260 x 200 x 85 mm	
Weight		≧ 3.5 kg	
Operating Temperature		-10 °C ~ 50 °C	
Control & Monitoring	Local	Via RS232	
	Remote	Via GSM Modem (optional)	

\* Technical spec subject to change without notice.