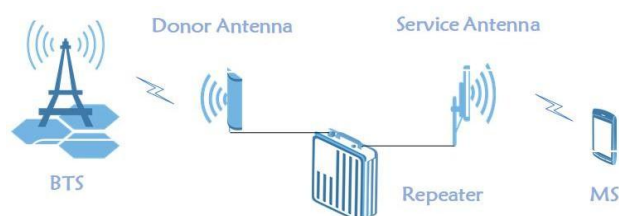




Dual Band Wireless Repeater



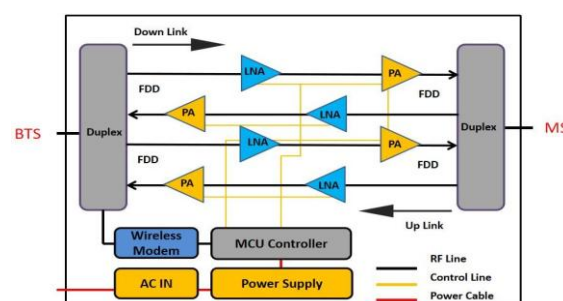
Application



Features

- Supports voice and data services
- Integrated module design, simple deployment
- Automatic Gain Control (AGC)& Power Control (ALC)
- RJ45 Cable for local connection & Wireless modem for remote monitoring (optional)
- Support 2G 3G 4G 5G FDD wireless access technology
- The IP65 protection suitable for different scenarios

Block Diagram



Specifications

TS-RP-GWLN1826-B7570-90-37		1800 MHz	2600 MHz
Frequency Range(MHz)	Uplink	1710 - 1785 MHz	2500 - 2570 MHz
	Downlink	1805 - 1880 MHz	2620 - 2690 MHz
Bandwidth		75MHz	70MHz
Max. Gain		UL $\geq 85 \pm 2\text{dB}$; DL $\geq 90 \pm 2\text{dB}$	
Manual Gain Control		30 dB in step of 1 dB	
Automatic Gain Control		$\geq 30 \text{ dB}$	
Gain Flatness		$\leq \pm 2.5 \text{ dB (peak-to-peak) @ 20MHz}$	
Max. Input Power Without Damage		0 dBm	
Output Power	Uplink	$\geq 27 \pm 2\text{dBm}$	$\geq 27 \pm 2\text{dBm}$
	Downlink	$\geq 37 \pm 2\text{dBm}$	$\geq 37 \pm 2\text{dBm}$
Operating band unwanted emissions		Comply with 3GPP	
Spurious Emission	9kHz~1GHz	$\leq -36\text{dBm}$	
	1GHz~12.75GHz	$\leq -30\text{dBm}$	
ACPR	$\pm 20\text{MHz}$	$\leq -40\text{dBc}$	
	$\pm 40\text{MHz}$	$\leq -45\text{dBc}$	
EVM		$\leq 6\%$	
Frequency Stability		$\leq \pm 0.01 \text{ ppm}$	
Noise Figure		$\leq 6 \text{ dB}$	
VSWR		≤ 1.5	
Group Delay		$\leq 4.5 \mu\text{s}$	
RF Connector		N-Female*2	
Impedance		50 Ω	
Power Supply		AC 100~240 V, 50/ 60 Hz	
Power Consumption		$\leq 200\text{W}$	
Dimensions		590*400*240.5mm	
Weight		$\leq 30 \text{ Kg}$	
IP Rating		IP65	
Operating Temperature		-25 to 55 $^{\circ}\text{C}$	
Control & Monitoring	Local	Via RJ45 & LCD	
	Remote	N/A	