



W37T-GW

Electrical Specification		GSM		WCDMA	
Frequency Range	UL	890.1 ~ 901.1 MHz		1920 ~ 1935 MHz	
	DL	935.1 ~ 946.1 MHz		2110 ~ 2125 MHz	
Bandwidth		11MHz		15MHz	
Max.Gain		GSM: 85±2 dB; WCDMA: 90±2 dB			
Manual Gain Control		31dB in step of 1dB			
Automatic Gain Control		> 20dB			
Ripple in Band		≤3dB/P-P		≤2dB/3.84MHz	
Max.Output Power	UL	27 dBm			
	DL	37 dBm			
Out of Band Gain		±400KHz	<50dB	2.7 ≧ f_offset < 3.5MHz	<60dB
		±600KHz	<40dB	3.5 ≧ f_offset < 7.5MHz	<45dB
		±1MHz	<35dB	7.5 ≧ f_offset < 12.5MHz	<45dB
		±5MHz	<25dB	12.5 ≧ f_offset	<35dB
Intermodulation Products	9KHz~1GHz	≤-36dBm		Comply with 3GPP TS 25.106	
	1GHz~12.75GHz	≤-30dBm			
Spurious Emission	9KHz~1GHz	≤-36dBm		Comply with 3GPP TS 25.106	
	1GHz~12.75GHz	≤-30dBm			
Spurious Emission Mask		--		Complies with 3GPP TS 25.106	
Modulation Accuracy		--		Complies with 3GPP TS 25.106	
Peak Code Domain Error		--		Complies with 3GPP TS 25.106	
ACRR		--		≥ 32.5dB @ ±5MHz & ±10MHz	
Noise Figure @ max. gain		≤ 5 dB			
VSWR		≤ 1.5			
Time Delay		≤ 4.5 μs			
MTBF		> 50000 hours			
Power Supply		AC: 95~265V, 50/ 60Hz			
Power Consumption		200W			
Impedance		50 ohm			
LED indication	Power LED	DC ON/OFF			
	Alarm LED	Normal :Green ; Any Alarm Heppen:Red			
Remote/ Local Control		Local:Via RS232 ; Remote:Via GSM Modem			
Local / Remote Control		1.Repeater Info			
		2.Alarm Enable			
		3.UL & DL Attenuate (UL & DL Manual Gain Control)			
		4.PA ON/OFF (Power Amplifier ON/OFF)			
		5.UL & DL OutPowAlmUp (Output High Power Alarm Level Limit)			
		6.DL OutPowAlmDown (DL Insufficient Output Power Level Limit)			
		7.Temperature Alarm Level(UL & DL Temperature Alarm Level Limit)			

Local / Remote Monitoring	1.UL & DL Gain
	2.UL & DL Over Output Alarm
	3.UL & DL Over Temp Alarm
	4.UL & DL PA Failure Alarm
	5.Power Supply Alarm

Mechanical Specification

RF Connector	N-Female
Switch	Power ON/OFF
Cooling	Heatsink Convection cooling
Dimensions (D x W xH)	420x650x170 mm
Weight	< 35 Kg
Installation Type	Wall Installation (or Pole Mount)
Environment Conditions	IP65
Humidity	< 90%
Operating Temperature	-10°C~55°C