



W20-GSM		
Electrical Specification	Uplink	Downlink
Frequency Range	890.1 ~ 901.1 MHz	935.1 ~ 946.1 MHz
Max.Gain	$\geq 65\text{dB}$	$\geq 70\text{dB}$
Band width	11MHz	
Gain Adjust Range	31dB in step of 1dB	
Automatic Level Control	$\geq 20\text{dB}$	
Ripple in Band (P-P)	$\leq 3\text{dB}$	
Output Power	$\geq 15\text{dBm}$	$\geq 20\text{dBm}$
Max. Input Power Without Damage	$\leq 0\text{dBm}$	
Out of Band Gain	$\pm 400\text{ KHz} \leq +50\text{dB}$	
	$\pm 600\text{ KHz} \leq +40\text{dB}$	
	$\pm 1\text{ MHz} \leq +35\text{dB}$	
	$\pm 5\text{ MHz} \leq +25\text{dB}$	
Intermodulation Products	9KHz~1GHz	$\leq -36\text{dBm}$
	1GHz~12.75GHz	$\leq -30\text{dBm}$
Spurious Emission	9KHz~1GHz	$\leq -36\text{dBm}$
	1GHz~12.75GHz	$\leq -30\text{dBm}$
Noise Figure	$\leq 6\text{dB}$	
VSWR	$\leq 2\text{dB}$	
Time Delay	$\leq 5\mu\text{s}$	
MTBF	$>50000\text{hours}$	
Power Supply	AC160~264V, 50/ 60Hz	
Impedance	50 ohm	
Mechanical Specification		
I/O Port	N-Female	
Dimensions (D x W xH)	268*225*58mm	
Weight	$\leq 3.5\text{Kg}$	
Installation Type	Wall Installation	
Environment Conditions	IP40	
Environmental Specifications		
Humidity	$< 90\%$	
Operating Temperature	$-10^{\circ}\text{C} \sim 55^{\circ}\text{C}$	
LED Indication		
Power LED	DC ON/OFF	
Alarm LED	ALC 1~5dB,orange	
	ALC 20~25dB,red	