

## W20-GSM-Vodacom

Items		Uplink	Downlink
Frequency Range		890.1 ~ 901.1 MHz	935.1 ~ 946.1 MHz
Bandwidth		11 MHz	11 MHz
Output Power		15±2 dBm	20±2 dBm
Gain		65±2 dB	70±2 dB
Ripple		≤3 dB	≤3 dB
VSWR		≤2	≤2
Max. Input Power Without Damage		-10 dBm	-10 dBm
Out of Band Gain	± 600 KHz	≤+40 dB	≤+40 dB
	± 1 MHz	≤+35 dB	≤+35 dB
	± 5 MHz	≤+25 dB	≤+25 dB
Intermodulation Products		≤-36 dBm	≤-36 dBm
Spurious Emission	9KHz~1GHz	≤-36 dBm	≤-36 dBm
	1GHz~12.75GHz	≤-30 dBm	≤-30 dBm
ATT step of 1 dB	1~10 dB	Δ   ≤1 dB	Δ   ≤1 dB
	10~20 dB	Δ   ≤1 dB	Δ   ≤1 dB
	20~25 dB	Δ   ≤1.5 dB	Δ   ≤1.5 dB
ALC Active 10dB		Δ   ≤2 dB	Δ   ≤2 dB
LED Indication	Power On	Green	
	Power Off	No Light	
Alarm	ALC not Active	—	Green
	ALC Active 1~5dB	—	Orange
	ALC Active >20dB	—	Red
Noise Figure @ max. gain		≤6 dB	≤6 dB
Time Delay		≤5 μs	≤5 μs
Power Supply		DC: 12 V / 5 A	
RF Connector		N-Female	
Humidity		< 90%	
Operating Temperature		-10°C ~ +55°C	