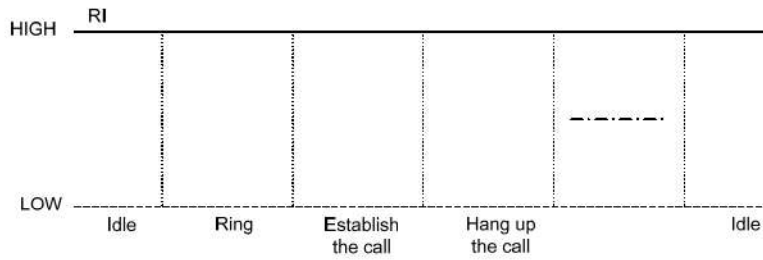


**Figure 28: RI behaviour of URC or receive SMS**

However, if the module is used as caller, the RI will remain high. Please refer to the following figure.


**Figure 29: RI behaviour as a caller**

#### 4.7. Audio Interfaces

SIM800L provides two analog inputs (MIC1P/1N; MIC2P/2N), which could be used for electret microphone. The module also provides two analog outputs (SPK1P/1N; SPK2P/2N).

**Table 13: Audio interface definition**

	Pin Name	Pin number	Function
Main	MIC1P	52	Main Audio input positive
	MIC1N	12	Main Audio input negative
	SPK1P	53	Main Audio output positive
	SPK1N	13	Main Audio output negative
Secondary	MIC2P	9	Secondary Audio input positive
	MIC2N	10	Secondary Audio input negative
	SPK2P	51	Secondary Audio output positive
	SPK2N	11	Secondary Audio output negative

SPK1P/1N output can directly drive 32Ω receiver, SIM800L internal has class-AB audio amplifier, the following table is class-AB performance:

**Table 14: Performance of audio amplifier**

Conditions	Class-AB AMP
4.2V 80hm THD+N=1%	0.87W
3.4V 80hm THD+N=1%	0.53W
4.2V 80hm THD+N=10%	1.08W
3.4V 80hm THD+N=10%	0.65W

SPK2P/2N output can directly drive 8Ω speaker.

AT command “AT+CMIC” is used to adjust the input gain level of microphone. AT command “AT+SIDET”