

W37T-GW-VODACOM

Items		Uplink	Downlink
Frequency Range	GSM	890.1 ~ 901.1 MHz	935.1 ~ 946.1 MHz
	WCDMA	1920 ~ 1935 MHz	2110 ~ 2125 MHz
Bandwidth	GSM	11 MHz	11 MHz
	WCDMA	15 MHz	15 MHz
Output Power	GSM	27±2 dBm	37±2 dBm
	WCDMA	27±2 dBm	37±2 dBm
Gain	GSM	85±2 dB	90±2 dB
	WCDMA	85±2 dB	90±2 dB
Ripple	GSM	≤4 dB	≤4 dB
	WCDMA	≤2 dB@3.84MHz	≤2 dB@3.84MHz
VSWR	GSM	≤1.8	≤1.8
	WCDMA	≤1.8	≤1.8
Max. Input Power Without Damage		-10 dBm	-10 dBm
Intermodulation Products	GSM	≤-45 dBc	≤-45 dBc
	WCDMA	≤-45 dBc	≤-45 dBc
Spurious Emission	9KHz~1GHz	≤-36 dBm	≤-36 dBm
	1GHz~12.75GHz	≤-30 dBm	≤-30 dBm
Out of Band Gain(GSM)	± 600 KHz	≤ 60 dB	≤ 60 dB
	± 1 MHz	≤ 50 dB	≤ 50 dB
	± 5 MHz	≤ 40 dB	≤ 40 dB
Out of Band Gain (WCDMA)	2.5≤f<3.5MHz	≤ 60 dB	≤ 60 dB
	3.5≤f<7.5MHz	≤ 45 dB	≤ 45 dB
	7.5≤f<12.5MHz	≤ 45 dB	≤ 45 dB
	12.5 MHz≤f	≤ 40 dB	≤ 40 dB
ATT(GSM) 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
ATT(WCDMA) 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	GSM	Δ ≤2 dB	Δ ≤2 dB
	WCDMA	Δ ≤2 dB	Δ ≤2 dB
LED Indication	Power ON	Green	
	Power OFF	No Light	
Monitoring and control	Local	RS232	
	Remote	GSM Modem	
Local Control Or Remote Control		1.Repeater Info	
		2.UL&DL Gain	

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Items		Uplink	Downlink
Local Monitoring Or Remote Monitoring		3.Over Output Power Alarm Level Limit	
		4.Temperature Alarm Level Limit	
		1.Output Power	
		2.Temperature	
3.Alarms(Over Output Alarm, Over Temperature Alarm, Power Supply Alarm, PLL Unlock)			
Noise Figure@ max. gain	GSM	≤8 dB	≤8 dB
	WCDMA	≤8 dB	≤8 dB
Time Delay	GSM	≤5 μs	≤5 μs
	WCDMA	≤5 μs	≤5 μs
EVM(WCDMA)		≤ 12.5%	≤ 12.5%
PCDE(WCDMA)		≤ -35dB	≤ -35dB
Power Supply		AC: 220V	
RF Connector		N-Female	
Environment Conditions		IP65	
Humidity		< 90%	
Operating Temperature		-10°C ~ +55°C	