

WT-208C

无线网络测试仪器

Wireless Connectivity Tester



深圳市极致汇仪科技有限公司

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文件编号：ITEST-WI-YX-09/B

产品简介 Introduction

WT-208C 是一款集研发和生产测试能力于一身的无线网络测试仪器。

WT-208C支持True-MIMO测试，能满足研发环境下复杂、详尽的测试要求。它具有极宽的工作频段，能支持400MHz-6GHz频段，对于手机的第二站(WBG)测试、物联网主流标准都能完美覆盖。

同时，WT-208C在产线表现极为优异，它拥有先进的8端口并行测试技术，能极大地提升单位时间的产能。8个专属网口的设计，让路由器产品测试环境的搭建变得更加简单。

关键特性 Key features



支持的测试业务:

- WLAN (802.11a/b/g/n/ac/p/ah)
- Bluetooth(1.0/2.0/3.0/4.0/4.1/4.2/5.0)/BLE
- IoT: ZigBee/Z-Wave/LoRa/802.11ah/NB-IoT
- Navigation:GPS/BDS/GLONASS
- DECT(ETSI EN 300 176-1)
- MIMO
- 未来可添加LTE/WCDMA/GSM.....

General Technical		
Input/Output frequency range	400 to 3800 MHz	
	4900 to 6000 MHz	
IF bandwidth	120 MHz	
Input power range	+30 dBm peak(+25 dBm average)	
Output power range(CW)	0 to -100 dBm (400 to 3800 MHz)	
	0 to -120 dBm (Navigation)	
	-5 to -100 dBm (4900 to 6000 MHz)	
Input power accuracy	Specification:±0.5 dB	
	Typical:±0.3 dB	
Output power accuracy	Specification:	±0.75 dB(0 to -90 dBm)
		±1.50 dB(-90 to -120 dBm)
	Typical:	±0.50 dB(0 to -90 dBm)
		±1.00 dB(-90 to -120 dBm)
Input/Output return loss	> 13 dB	
Sampling data rate	60,120 MHz	
Port to Port isolation	>100 dB(400 to 3800 MHz)	
	>90 dB(4900 to 6000 MHz)	
WLAN (802.11a/b/g/n/ac/p/ah)		
EVM	Residual VSA/VSG EVM (full packet channel estimation)	≤ -44 dB for 20 M(Typical: -49 dB)
		≤ -42 dB for 40 M(Typical: -46 dB)
		≤ -40 dB for 80 M(Typical: -43 dB)
Peak power	VSA power accuracy:± 0.5 dB (+20 to -45 dBm)	
RMS power		
Frequency error	VSA measurement error: ≤ ±0.2 ppm calibrated	
Spectral mask	Spectral mask view: ± 60 MHz	
Spectral flatness	VSA flatness over 80 MHz BW: ± 0.5 dB	
CCDF (complementary cumulative distribution function)	Probability of peak signal power being greater than a given power level versus peak-to-average power ratio (dB)	
Bluetooth® (1.0/2.0/2.1/3.0/4.0/4.1/4.2/5.0)/BLE		
TX output power	VSA power accuracy:±0.5 dB (+20 to -45 dBm)	
TX output spectrum		
Modulation characteristics	(For EVM better than -25 dB) VSA measurement error: ≤ ± 0.2 ppm calibrated	
Carrier frequency tolerance		
Carrier frequency drift		
RMS EVM (EDR)	Residual VSA EVM: ≤ -35 dB (+20 to -30 dBm)	
Peak EVM (EDR)	Residual VSG EVM: ≤ -35 dB (-10 to -70 dBm)	
ZigBee (802.15.4)		
Output power	VSA power accuracy:±0.5 dB (+20 to -45 dBm)	
Power spectral density		
Center frequency tolerance	VSA frequency accuracy: ≤ ±0.2 ppm calibrated	
EVM	Offset: compensate the I and Q offset in OQPSK	
	Normal: no compensation applied	
Navigation		
Test capability	Carrier-to-noise ratio	
Output frequency range	GPS:1575.42 MHz (fixed), BDS B1:1561.098 MHz (fixed)	
Number of simultaneous channels	1	
Output power range	-60 to -120 dBm	



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