

BCI Automatic Test system

Datasheet



In Compliance with

- > GJB151A/152A - CS114
- > MIL-STD461E - CS114
- > DO160D
- > ISO11452-4 / SAE J1113-4

Introduction

BCI automatic test system is used for conduction susceptibility test by Bulk Current Injection –BCI for electronic products. It can evaluate the electromagnetic field anti-interference performance of kinds of electronic products in military, aviation, automotive, computer, medical, communication, etc. The frequency range is up to 10 kHz - 3 GHz ,the test level up to 1 A.

BCI system is composed of signal generator, power amplifier, current injection probe, etc, and can perform closed-loop test and calibration test as per all relative BCI test standard requirements.

Technical parameters

Frequency range	Optional for 10 kHz ~ 400 MHz、 10 kHz ~ 1 GHz、 10 kHz ~ 3 GHz , frequency resolution 0.1 Hz
Modulation Mode	Amplitude modulation : modulation frequency range 0.01 Hz ~ 20k Hz , modulation depth 0 ~ 99.9% , resolution 0.1%
	Pulse modulation :modulation frequency range DC ~ 2.5 MHz ,modulation pulse width 20 ns ~ 1 s
	Frequency modulation, phase modulation, etc
Test level	Optional 150 mA , 300 mA , 1 A
Power amplifier	As per test level requirements, configure 75 W、 150 W RF power amplifier
Power monitoring	Internal directional coupler and three-channel power meter, measure the forward and backward power of the amplifier and actual injection current
Current injection probe	Optional for inner diameter 32 mm or 40 mm
Tubular Wave Coupler	For 400 MHz ~ 3 GHz conduction susceptibility test
Fully automatic test	For the system with multiple power amplifiers, high-performance RF switch in order to achieve fully automatic test.



MAINLAND CHINA

SUZHOU 3CTEST ELECTRONIC CO., LTD.

Add.: No. 99 Emeishan Rd, SND, Suzhou 215153,

Tel: +86 (0)512 6807 7192

Fax: +86-512-68079795

Email: globalsales@3ctest.cn

www.3c-test.com

TAIWAN

RICHTEC INSTRUMENTS CO., LTD.

Add.: 6F.-5, No.130, Ln. 235, Baoqiao Rd., Xindian

Dist., New Taipei City 23145, Taiwan, China

Tel: +886 2 8912 1185 #10

Email: ryan@richtec.com.tw

www.richtec.com.tw

SOUTH KOREA

TESTEK Co., LTD.

Add.: 601Ho, SungwoonKoa, 141 Hyeonam-ro,

Suji-Gu, Yongin-Si, Gyeonggi-Do, South Korea.

Tel: +82 70 4099 2071,

E-mail: woo@testek.co.kr

www.testek.co.kr

SINGAPORE

QUANTEL PTE LTD.

Add.: 25 Kallang Ave, #05-02, 339416, Singapore

Tel: +65 6745 3200

Email: engtat.ong@sg.quantel-global.com

www.quantel-global.com

USA

THE EMC SHOP

Add.: 7401 Galilee Rd. #160, Roseville, CA 95678,
USA

Tel: +1 844 423 7435

Email: brendon.berg@theemcshop.com

www.theemcshop.com

RUSSIA

CDIP LLC

Add.: Room 7, Building 5, House 69, Ryabinovaya
Street, Moscow 121471, Russia

Tel: +7 (495) 956 20 22

Email: info@cdip.ru

www.cdip.ru