

# Conduct Immunity Tester

## CST 20150B

- ISO 11452-4:2020
- GB/T 33014.4-2016



### Features

- > Integrated design with built-in integrated signal generator, RF power amplifier, and RF power meter
- > Supports high current injection (with current injection clamp), optional current monitoring probe, supports closed-loop testing method
- > USB interface, used for remote control of PC

### Introduction

CST 20150B is an automatic testing system based on the standard ISO 11452-4. The built-in high dynamic range power meter is used to monitor the test level values in the testing system. The entire testing system is controlled by PC software, which improves the scalability and efficiency of the system. After installing the testing software, corresponding tests can be executed immediately, and the test results can be saved, printed, and shared internally within the company.

### Application Areas



### Technical Parameters

RF Signal Generator	
Frequency Range	9 kHz ~ 3 GHz
frequency Resolution	0.23 Hz
Frequency Temperature Stability	±0.5 ppm
Harmonic	≤-30 dBc
Non-harmonics	≤-50 dBc
Output Power Range	120 dBm ~ 0 dBm:9 kHz ~ 500 kHz 120 dBm ~ +10 dBm:500 kHz ~ 3 GHz
Power Accuracy	±1.0 dB
Resolution	0.1 dB
Internal Modulation Source (LF)	Sine wave:0.1 Hz ~ 500 kHz Square wave:0.1 Hz ~ 20 kHz Triangular wave/sawtooth wave:0.1 Hz ~ 100 kHz
Amplitude Modulation (AM)	Modulation depth: 0% ~ 100% Modulation rate: 20 Hz ~ 1 MHz
Frequency Modulation (FM)	Maximum frequency offset: 5 MHz Modulation rate: 20 Hz ~ 1 MHz
Phase Modulation (ΦM)	Modulation phase 0° ~ 360°; 20 Hz ~ 1 MHz
Pulse Period	200 ns ~ 160 s
Pulse Width	100 ns ~ 85 s
Output Interface	N (female)
VSWR	<1.5:1
Power Amplifier	
Frequency Range	10 kHz ~ 400 MHz
Gain	52.5 dB ± 1 dB (180 W)
1 dB Gain	51.8 dB ± 1 dB (150 W)
VSWR	<1.5:1
Output Impedance	50 Ω
Output Interface	N (female)
Power Meter (built-in 3-channel power meter)	
Frequency Range	9 kHz ~ 3 GHz
Level	-60 dBm ~ +20 dBm
Accuracy	±0.2 dB
Input Interface	N (female)
VSWR	<1.1:1

### General Parameters

Power Supply	AC 220 V ±10%,50/60Hz
Max. Power Consumption	500 W
Dimension	19 inches/22U 600 mm (W) * 1250 mm (H) * 800 mm (D)
Weight	About 45 kg
Ambient Temperature	15°C ~ 35°C
Relative Humidity	45% ~ 75%, RH (no condensation)
Atmospheric Pressure	86 kPa ~ 106 kPa

### Standard Accessories

Power Cord, Fuse, Attenuator, USB Cable, Flat Grounding Wire, RF Cable
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