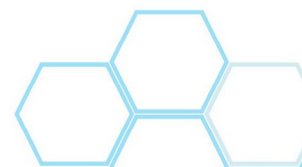
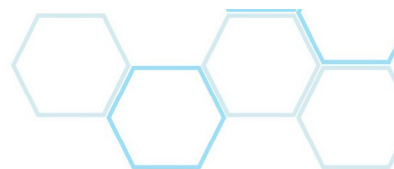


TRANSCOM INSTRUMENTS

Product Brochure



Universal Wireless Communication Test Set



Overview

The Universal Wireless Communication Test set T6280A supports 70-3300MHz. The Test set evaluating the key Tx/Rx characteristic for LTE(FDD/TDD), TD-SCDMA/HSPA, GSM/GPRS/EGPRS, WCDMA/HSPA and CMMB mobile terminals. With the powerful SDR platform which supports customized functions.

Key Features

- LET(TDD/FDD)
- TD-SCDMA/HSPA
- GSM/GPRS/EDGE
- WCDMA/HSPA/HSPA+
- Fast Calibration Support
- Non Signalling Test

Applications

- Cellular phone manufacturers
- Cellular phone repairing
- Chipset manufacturers

RF Generator	
Frequency Range	70MHz to 3300 MHz
Adjust Step	1Hz
Output Ports	RF In/Out (N type female) RF Out (N type female)
Output Impedance	50 Ω
CW Output Level Range	RF IN/OUT Port: -130 to -20 dBm RF OUT Port: -110 to 0 dBm
Level Uncertainty	< ± 1 dB
Level Setting Resolution	0.1 dB
Power Repeatability	< ± 0.05 dB
Channel Bandwidth (1dB)	21MHz
VSWR(RF In/Out Port)	70MHz to 3000MHz: < 1.3:1 3000MHz to 3300MHz: < 1.6:1
Harmonics Spurious	< -30 dBc
Non-harmonics Spurious	< -40 dBc
RF Analyzer	
Frequency Range	70MHz to 3300 MHz
Adjust Step	1Hz
Input Port	RF In/Out (N type female)
Input Impedance	50 Ω
Input Level Range	< +33 dBm
Measurement Accuracy	< ± 1 dB
Meas.Repeatability	< ± 0.1 dB
Measurement Resolution	0.01 dB
Channel Bandwidth (1dB)	21MHz
Frequency Meas.Range	± 200 KHz
Freq.Meas.Resolution	1Hz
Freq.Meas.Accuracy	± 2 Hz

Audio	
Input Ports	Audio In (Front)/MIC (Rear)
Input Impedance	> 10K Ω
Output Ports	Audio Out (Front)
Output Impedance	< 20 Ω
Freq.Response.Flatness	< 1dB (100Hz to 20KHz)

Timebase	
Reference Frequency	10MHz
Aging Rate	< ± 0.1 ppm/year
Temperature Stability	< ± 0.01 ppm
Accuracy	\pm [Aging + Stability]
Reference Input Range	10MHz ± 5 ppm
Input Port	Ref Input (BNC)
Input Level	0 to +10 dBm(Sine/TTL)
Input Impedance	50 Ω
Output Port	Ref Out (BNC)
Output Level	0 to +10 dBm
Output Impedance	50 Ω

Control Ports	
Remote Programming	GPIO (IEEE 488.2) /LAN
USB-A	5 USB2.0 ports
Trigger Output	BNC female (TTL)
Trigger Input	BNC (TTL)
Bi-directional	DB9 (5 TTL)
System Sync	20 pairs LVDS
Displayer Port	VGA/DVI-D

General	
Operating Temperature	+10 ~ +40 $^{\circ}\text{C}$
Storage Temperature	-20 ~ +65 $^{\circ}\text{C}$
Humidity	20% to 80%
Dimensions(HxWxD)	222 x 426 x 533 mm
AC Power Input	100 to 240V, 50 to 60 Hz
Displayer	10.4 inch XGA (1024 x 768)
Touch Panel	4096x4096 resistor touch
Operating System	Windows XP
AC Power Consumption	< 450 W
Weight	< 25 Kg
Warm Up Time	30 minutes
Calibration Interval	1 year

Options	
T6280-Base	T6280 base platform,required option
T6280-TD	TD-SCDMA testing software,including calibration and signaling-mode tests
T6280-TFDT	TD-SCDMA fast calibration option (T6280-TD option is required)
T6280-TNST	TD-SCDMA non-signaling-mode test option (T6280-TD option is required)
T6280-TD-HSPA	TD-HSDPA/HSUPA testing software (T6280-TE option is required)
T6280-GSM	GSM testing software,including calibration and signaling-mode tests
T6280-GFDT	GSM fast calibration option (T6280-GSM option is required)
T6280-GNST	GSM non-signaling-mode test option (T6280-GSM option is required)
T6280-GGE	GPRS/EGPRS testing software,including calibration,FDT,signaling-mode tests
T6280-WCDMA	WCDMA testing software,includinng calibration,WCDMA-FDT,signaling-mode
T6280-WFDT	WCDMA fast calibration option (T6280-WCDMA option is required)
T6280-WNST	WCDMA non-signaling-mode test option (T6280-WCDMA option is required)
T6280-W-HSPA	WCDMA-HSDPA/HSUPA testing software (T6280-WCDMA option is required)
T6280-W-HSPA+	WCDMA-HSPA+ testing software (T6280-W-HSPA option is required)
T6280-LTE-TDD	LTE-TDD testing software
T6280-LTE-FDD	LTE-FDD testing software
T6280-Cal-Report	the third-party calibration report

Keep innovating for excellence!

About Transcom

Shanghai Transcom Instrument Co., Ltd. (NEEQ: 831961), established in 2005, independently research and develop high-end radio frequency communication testing instruments and is a professional provider of overall testing solutions. Starting from 2009, Transcom, titled as National High-Tech Enterprise and the fostered enterprise by Shanghai Little Giant Project, has undertaken the tasks of development for National "New-Generation Broadband Wireless Mobile Communication Network" and the construction of Shanghai Engineering Research Center for Wireless Communication Testing Instruments.

In 2015, Transcom officially announced its new five-year development strategy "1+3". In detail, Transcom will continue to enhance its potential to be the national team for domestic wireless communication instruments, and develop security software for mobile communication network (network communication/data mining), wireless signal (spectrum monitoring/situation analysis) and Beidou navigation (signal monitoring for satellite navigation/mobile anti-jam verification platform). The strategy has now been implemented systematically with progressive achievements in Shanghai, Guangdong and other cities.

Keep innovating for excellence!



ISO9001



ISO14001

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