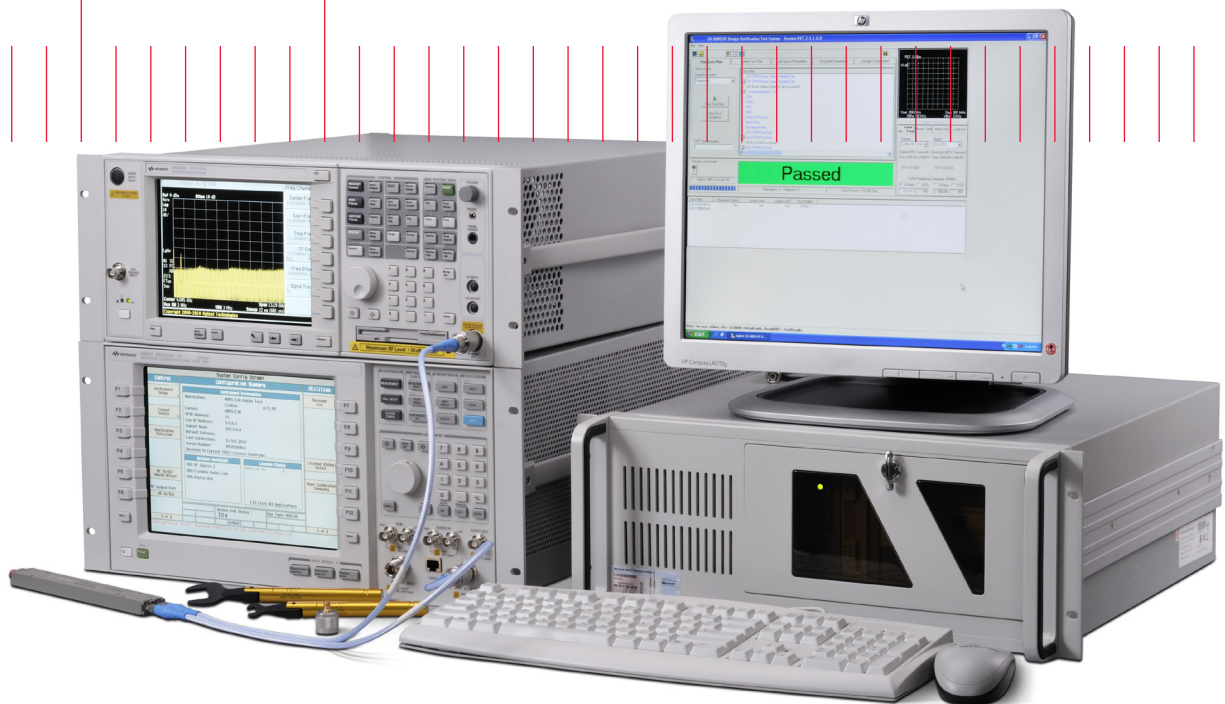


Keysight Technologies

7 Easy Steps To Configure Your NEW Keysight N8993A GS-8800 Bench-top RF Design Verification Test System

Selection Guide





Introduction

This quick step-by-step process will help you determine which option numbers to specify when ordering the Keysight Technologies, Inc. N8993A GS-8800 bench-top design verification test system to ensure the test system accommodates your testing needs. For a summary of N8933A specifications, please refer to the GS-8800 data sheet (literature number 5990-5806EN).

Step 1. Select one country

(This selection will imply the required power cord rating)

Country of use	Country of use	Country of use	Country of use	Country of use	Country of use
United States	Botswana	Faroe Islands	Kyrgyzstan	New Zealand	South Africa
Japan	Brazil	Fiji	Laos	Nicaragua	Spain
United Kingdom	British Indian Ocean Territory (Dependent Territory of the UK)	French Guiana	Latvia	Niger	Sri Lanka
Germany	British Virgin Islands (Dependent Territory of the UK)	Gabon	Lebanon	Nigeria	Sudan
Korea, Republic of (South Korea)	Brunei	Gambia	Lesotho	Niue	Suriname
Taiwan	Bulgaria	Gaza Strip	Liberia	Norfolk Island	Svalbard
France	Burkina	Georgia	Libya	Northern Mariana Islands	Swaziland
Sweden	Burundi	Ghana	Liechtenstein	Norway	Switzerland
Finland	Cambodia	Gibraltar	Lithuania	Oman	Syria
China, Peoples Republic of	Cameroon	Greece	Luxembourg	Pakistan	Tahiti, Society and Marquesas Islands
Singapore	Canada	Greenland	Macau	Palau	Tajikistan
Afghanistan	Cape Verde	Grenada	Macedonia	Panama	Tanzania
Albania	Caymann Islands (Dependent Territory of the UK)	Guadeloupe	Madagascar	Papua New Guinea	Thailand
Algeria	Central African Republic	Guam	Malawi	Paraguay	Togo
American Samoa	Chad	Guatemala	Malaysia	Peru	Tokelau
Andorra	Chile	Guernsey	Maldives	Philippines	Tonga
Angola	Christmas Island (Territory of Australia)	Guinea	Mali	Pitcairn Islands	Trinidad and Tobago
Anguilla	Cocos (Keeling) Islands (Territory of Australia)	Guinea-Bissau	Malta and Gozo	Poland	Tunisia
Antigua and Barbuda	Colombia	Guyana	Marshall Islands	Portugal	Turkey
Argentina	Comoros	Haiti	Martinique	Puerto Rico	Turkmenistan
Armenia	Congo	Heard and McDonald Islands	Mauritania	Qatar	Turks and Caicos Islands (Dependent territory of the UK)
Aruba	Cook Islands (Free Association with New Zealand)	Honduras	Mauritius	Reunion	Tuvalu
Australia	Costa Rica	Hong Kong	Mayotte	Romania	Uganda
Austria	Croatia	Hungary	Mexico	Russia	Ukraine
Azerbaijan	Cuba	Iceland	Micronesia, Federated States of	Rwanda	United Arab Emirates
Bahamas	Cyprus	India	Midway Islands	Saint Helena	Uruguay
Bahrain	Czech Republic	Indonesia	Moldova	Saint Kitts and Nevis	Uzbekistan
Bangladesh	Denmark	Iran	Monaco	Saint Lucia	Vanuatu
Barbados	Djibouti	Iraq	Mongolia	Saint Vincent and the Grenadines	Vatican City
Belarus	Dominica	Ireland	Montenegro	San Marino	Venezuela
Belgium	Dominican Republic	Israel	Montserrat	Sao Tome and Principe	Vietnam
Belize	East Timor (Indonesia)	Italy	Morocco	Saudi Arabia	Virgin Islands
Benin	Ecuador	Ivory Coast (Cote d'Ivoire)	Mozambique	Senegal	Wallis and Futuna
Bermuda (Dependent territory of the)	Egypt	Jamaica	Myanmar (Burma)	Serbia	West Bank
Bhutan	El Salvador	Jordan	Namibia	Seychelles	Western Sahara
Bolivia	Equatorial Guinea	Kazakhstan	Nauru	Sierra Leone	Western Samoa
Bermuda (Dependent territory of the UK)	Eritrea	Kenya	Nepal	Slovakia (Slovak Republic)	Yemen
Bhutan	Estonia	Kiribati	Netherlands	Slovenia	Zaire
Bolivia	Ethiopia	Korea, Democratic Peoples Republic of (North Korea)	Netherlands Antilles	Solomon Islands	Zambia
Bosnia and Herzegovina	Falkland Islands (Islas Malvinas)	Kuwait	New Caledonia	Somalia	Zimbabwe

Step 2. Select one or more design verification software options

(Each item includes a fixed and perpetual software license)

Software option description	Option number	Additional information
W-CDMA - fixed and perpetual	N8993A-S04	
HSDPA	N8993A-S05	
1xEV-DO Rev. A	N8993A-S08	
HSUPA	N8993A-S09	
GSM/GPRS/EGPRS	N8993A-S10	
GSM/GPRS/EGPRS/W-CDMA	N8993A-S12	Bundle includes N8993A-S04 and -S10
cdmaOne/cdma2000®/1xEV-DO Rev. 0	N8993A-S20	
HSPA+	N8993A-S76	
GSM/GPRS/EGPRS/W-CDMA/ cdma2000/1xEV-DO Rev. 0	N8993A-S91	Bundle includes N8993A-S04, -S10, and -S20
EGPRS2	N8993A-S96	
Release 8 dual carriers	N8993A-S78	Available in Rel. 2.9
TD-SCDMA DVT	N8993A-ST2	
C.S0011 (cdma2000) Rev. D	N8993A-SD8	The pre-requisite license is N8993A-S20
C.S0011 (cdma2000) Rev. E	N8993A-SE8	The pre-requisite license is N8993A-S20. Limited release. Available under exclusive agreement. Contact your Keysight Sales Representative for details

Step 3. Select one or more special enhancement test case options

Test case description	Option number	Additional information
Enable supported spectrum analyzer	N8993A-SA1	By adding this license, the system equates to a Keysight's 'Lite' configuration
Enable supported fader	N8993A-FA1	Requires a Keysight baseband fader (BBF)
Enable supported signal generator	N8993A-SG1	This option is pass-coded from order. It is a customized solution in USA only. By adding this license, the system equates to Keysight's 'Rx Lite' capability

Step 4. Select hardware options

Step 4a. Select one industrial PC option

Description	Option number	Additional information
Advantech industrial PC	N8993A-H01	
Customer-installed industrial PC	N8993A-H80	

Step 4b. Select one 8960 Series 10 option

Description	Option number	Additional information
Main E5515E with digital bus	N8993A-8EM	
Customer-installed 8960 Series 10	N8993A-080	

Step 4c. Select one N9020A MXA signal analyzer option

Description	Option number	Additional information
For GSM/GPRS, EGPRS, W-CDMA, HSDPA, cdma2000, and 1xEV-DO only	N8993A-X00	
For GSM/GPRS and EGPRS only	N8993A-X01	
For W-CDMA and HSDPA only	N8993A-X02	
For cdma2000 and 1xEV-DO only	N8993A-X03	
For GSM/GPRS, EGPRS, W-CDMA, and HSDPA only	N8993A-X12	Required if N8993A-SA1 is selected in Step 2
For GSM/GPRS, EGPRS, cdma2000, and 1xEV-DO only	N8993A-X13	
For W-CDMA, HSDPA, cdma2000, and 1xEV-DO only	N8993A-X23	
Customer-installed MXA signal analyzer	N8993A-X80	

Step 4d. Select one fader option

Description	Option number	Additional information
Keysight N5115B Baseband Studio for fading	N8993A-F60	Required if N8993A-FA1 is selected in Step 2
Customer-installed fading simulator	N8993A-F80	

Step 4e. Select one E4438C signal generator (ESG) option

Technology format	Option number	Additional information
For all technologies	N8993A-E00	
GSM/GPRS/EGPRS	N8993A-E01	
W-CDMA/HSPA	N8993A-E02	
cdma2000/1xEV-DO	N8993A-E03	
GSM/GPRS/EGPRS and W-CDMA/HSPA	N8993A-E12	Required if N8993A-SG1 is selected in Step 2
GSM/GPRS/EGPRS and cdma2000/1xEV-DO	N8993A-E13	
W-CDMA/HSPA and cdma2000/1xEV-DO	N8993A-E23	
Customer-installed ESG	N8993A-E80	

Step 5. Select one or more 8960 test application (TA) or lab application (LA) options

(Skip this step if N8993-080 was selected in Step 3b)

Description	Option number	Additional information
Lab application suite	N8993A-L00	
GSM/GPRS/EGPRS LA	N8993A-L01	Technologies are supported by lab application only and are suited for use in manufacturing test
W-CDMA/HSPA LA	N8993A-L02	
cdma2000/EVDO LA	N8993A-L03	
UMTS LA	N8993A-L12	
E1962B cdmaOne/cdma2000 TA	N8993A-T03	
E1966A 1xEV-DO TA	N8993A-T04	
Time division synchronous code division multiple access (TD-SCDMA) TA	N8993A-T07	
TD-SCDMA – HSDPA TA	N8993A-T08	
TD-SCDMA – HSUPA TA	N8993A-T09	

Step 6. Select support options

Step 6a. Specify whether the lab application annual upgrade contract is desired (Leave it blank if not required)

Description	Option number	Additional information
Lab application annual upgrade contract	E6720A	Strongly recommended to ensure on-going compatibility between the GS-8800 software and lab application.

Step 6b. Select design verification software and technical support (Required when ordering a new system)

Description	Option number	Additional information
Bench-top DVT - 12 month software and technical support contract (STSC)	N8993AS-1SY	

Step 7. Select one or more optional accessories and additional software licenses

Description	Option number	Additional information
Communication system power supply 66319D: 200 – 220 V	N8993A-D02	
Communication system power supply 66319D: 100 V	N8993A-D04	Choose one if required to automate the UE power cycling
Communication system power supply 66319D: 120 V	N8993A-D05	
Communication system power supply 66319D: 230 V	N8993A-D06	
Additional GS-8800 Lite accessory set	N8993A-LT1	
Additional GS-8800 Super Lite accessory set	N8993A-SL1	
cdma2000 Band 10 supplementary test cases	N8993A-SN1	
Enable bench-top TELEC feature	N8993A-TE1	
Enable bench-top TELEC for W-CDMA and HSDPA software	N8993A-TE2	Select one or more of these options if desired
Enable bench-top TELEC for HSUPA software	N8993A-TE3	
Enable bench-top TELEC for cdmaOne/cdma2000/1xEV-DO Rev. 0/Rev. A software	N8993A-TEA	
Enable bench-top TELEC test mode feature	N8993A-TMT	
Enable bench-top test mode	N8993A-TM1	

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