SPECIFICATIONS				
FREQUENCY Frequency Span	Range	9 kHz to 1.8 GHz		
requency span	Range Resolution	1 Hz		
Frequency Span	Span Range	0 Hz, 100 Hz to max. frequency of instrument		
	Span Uncertainty	± span/(sweep points-1)		
Internal Frequency Reference		10.000000 MHz		
	Reference Frequency Accuracy	± [(days from last calibrate × freq aging rate) + temperature stability + initial accuracy]		
	Temperature Stability Aging rate	< 2.5ppm (15°C to 35°C) < 1ppm/year		
SSB Phase Noise	10 kHz	< -82 dBc/Hz		
SSB i hase i toise	100 kHz	< -98 dBc/Hz (Typical)		
	1 MHz	< -110 dBc/Hz(Typical)		
Bandwidth	Resolution Bandwidth	10Hz to 500kHz (1-10 steps by sequence), 1MHz, 3MHz (Option) 200 Hz, 9 kHz, 120 kHz, 1 MHz for EMI(-6dB) < 5%, typical (RBW≤1 MHz); Dedicated Remote Control PC Software		
	RBW Uncertainty Resolution Filter Shape Factor (60dB:3dB)		ontrol PC Software	
	Video Bandwidth(VBW)	10 Hz to 3 MHz		
AMPLITUDE				
Amplitude and Level	Amplitude Measurement Range		f; DANL to +20 dBm, 1 MHz to1.8 GHz, Preamp Off	
	Reference Level	-80 dBm to +30 dBm, 0.01dB by step 20 dB, nominal, 100 kHz to 1.8 GHz 0 to 40 dB, in 1 dB step 50 VDC		
	Preamp Input Attenuation			
	Max Input DC Current			
Display Average Noise Level	Max Continuous Power	+30dBm, average continuous power		
-		Preamp Off	Preamp On	
	100 kHz ~ 1 MHz	-117 dBm (Typical)	-140 dBm (Typical)	
	1 MHz ~ 10 MHz	-130 dBm (Typical)	-150 dBm (Typical)	
	10 MHz ~ 1 GHz 1 GHz ~ 1.8 GHz	-130 dBm (Typical)	-150 dBm (Typical)	
Frequency Response	FGHZ ~ 1.8 GHZ Preamp Off(fc≥100 kHz)	-128 dBm (Typical)	-148 dBm (Typical)	
	Preamp On(fc≥100 kHz)	±0.8 dB:±0.4 dB, Typical ±0.9 dB:±0.5 dB, Typical		
Uncertainty and Accuracy	RBW Switch Uncertainty	Reference: 10 kHz RBW at 50 MHZ; Log resolution=±0.2 dB, Lin resolution=±0.01 Nominal		
	Input Attenuation Uncertainty	20°C~30°C, fc=50 MHz, Preamplifier Off, 10 dB RF attenuation, input signal 0~40 dB ±0.5 dB		
	Absolute Amplitude Uncertainty	20°C to 30°C, fc=50 MHz, Span=200 kHz, RBW=10 kHz, VBW=10 kHz, peak detector, 10 dB RF attenuation, 95% confidence level		
	Preamp Off	±0.4 dB, input signal level -20 dBm		
	Preamp On	±0.5 dB, input signal level -40 dBm		
	Uncertainty	Input signal range 0 dBm to -50 dBm; ±1.5 dB		
VSWR Input 10 dB RF attenuation, 1 MHz to 1.8GHz; <1.5, Nominal				
Distortion and Spurious Response	second Harmonic Distortion ponsefc \geq 50 MHz, Preamp off, signal input -20 dBm, 0 dB RF attenuation, 20°C to 30°C; -65 dBc fc \geq 50 MHz, Input double tone level -20 dBm, frequency interval 100 kHz, input attenuat			
	ma-order mermodulation	preamplifier off, 20°C to 30°C; +10 dBm		
	1 dB Gain Compression	fc≥50 MHz, 0 dB RF attenuation, Preamp off , 20°		
	Residual Response		ation, 20°C to 30°C; <-85 dBm, from 100 kHz to 1.5 GHz;	
<-80 dBm, from 1.5 GHz to 1.8 GHz -30 dBm signal at input mixer, 20°C to 30°C; <-60 dBc		Bc		
SWEEP	-			
	Time None-zero Span	10 ms to 3000 s		
	Zero Span Span Mode	1 ms to 3000 s Continue, Single		
TRACKING GENERATOR (OF		continue, single		
Tracking Generator Output	Frequency Range	100 kHz to 1.8GHz		
macking Generator Output	Output Power Level Range	-30 dBm to 0 dBm		
	Output Power Level Resolution			
	Output Flatness Maximum Safe Reverse Level	± 3 dB Average total power: 30 dBm, DC : ±50 VDC		
DEMODULATION				
Audio Demodulation	Frequency Range	100 kHz to 1.8 GHz		
	Demodulation Type	FM/AM/USB/LSB		
AM Measurement	Frequency Range Modulation Rate	10MHz to 1.8GHz 20Hz to 100kHz		
	Modulation Rate Accuracy			
	Depth	1Hz, nominal(Modulation rate < 1 kHz); <0.1% modulation rate, nominal(Modulation rate≥1 kHz) 5% to 95%		
	Depth Accuracy	±4%, nominal		
FM Measurement	Frequency Range	10 MHz to 1.8 GHz		
	Modulation Rate		20 Hz to 100 kHz	
	Modulation Pate Accurate	1Hz, nominal(Modulation rate < 1 kHz); <0.1% modulation rate, nominal(Modulation rate≥1 kHz) 20 Hz to 200 kHz		
	Modulation Rate Accuracy Deviation	20 Hz to 200 kHz	odulation rate, nominal (Modulation rate \geq 1 kHz)	
			odulation rate, nominal(Modulation rate≥1 kHz)	
FREQUENCY COUNTER	Deviation Deviation Accuracy	20 Hz to 200 kHz ±4%, nominal	odulation rate, nominal(Modulation rate≥1 kHz)	
FREQUENCY COUNTER	Deviation Deviation Accuracy Counter Resolution	20 Hz to 200 kHz ±4%, nominal 1Hz, 10Hz, 100Hz, 1kHz		
`	Deviation Deviation Accuracy	20 Hz to 200 kHz ±4%, nominal		
INPUTS AND OUTPUTS	Deviation Deviation Accuracy Counter Resolution Accuracy	20 Hz to 200 kHz ±4%, nominal 1Hz, 10Hz, 10Hz, 1kHz ±(frequency indication × frequency reference accur		
INPUTS AND OUTPUTS	Deviation Deviation Accuracy Counter Resolution	20 Hz to 200 kHz ±4%, nominal 1Hz, 10Hz, 100Hz, 1kHz		
FREQUENCY COUNTER INPUTS AND OUTPUTS RF Input Tracking Generator Output	Deviation Deviation Accuracy Counter Resolution Accuracy Impedance Connector Impedance	20 Hz to 200 kHz ±4%, nominal 1Hz, 10Hz, 100Hz, 1kHz ±(frequency indication × frequency reference accur 50 Ω, Typical N Type Female 50 Ω, Typical		
INPUTS AND OUTPUTS RF Input Tracking Generator Output	Deviation Deviation Accuracy Counter Resolution Accuracy Impedance Connector Impedance Connector	20 Hz to 200 kHz ±4%, nominal 1Hz, 10Hz, 10Hz, 1kHz ±(frequency indication × frequency reference accur 50 Ω, Typical N Type Female 50 Ω, Typical N Type Female		
INPUTS AND OUTPUTS RF Input	Deviation Deviation Accuracy Counter Resolution Accuracy Impedance Connector Impedance Connector Connector	20 Hz to 200 kHz ±4%, nominal 1Hz, 10Hz, 10Hz, 1kHz ±(frequency indication × frequency reference accur 50 Ω, Typical N Type Female 50 Ω, Typical N Type Female BNC Female		
INPUTS AND OUTPUTS RF Input Tracking Generator Output	Deviation Deviation Accuracy Counter Resolution Accuracy Impedance Connector Impedance Connector Connector 10MHz Reference Amplitude	20 Hz to 200 kHz ±4%, nominal 1Hz, 10Hz, 100Hz, 1kHz ±(frequency indication × frequency reference accur 50 Ω, Typical N Type Female 50 Ω, Typical N Type Female BNC Female 0 dBm to +10 dBm		
INPUTS AND OUTPUTS RF Input Tracking Generator Output Reference Input	Deviation Deviation Accuracy Counter Resolution Accuracy Impedance Connector Impedance Connector Connector	20 Hz to 200 kHz ±4%, nominal 1Hz, 10Hz, 10Hz, 1kHz ±(frequency indication × frequency reference accur 50 Ω, Typical N Type Female 50 Ω, Typical N Type Female BNC Female		
INPUTS AND OUTPUTS RF Input Tracking Generator Output Reference Input	Deviation Deviation Accuracy Counter Resolution Accuracy Impedance Connector Impedance Connector Connector 10MHz Reference Amplitude USB Host USB Device Connector	20 Hz to 200 kHz ±4%, nominal 1Hz, 10Hz, 100Hz, 1kHz ±(frequency indication × frequency reference accur 50 Ω, Typical N Type Female 50 Ω, Typical N Type Female BNC Female 0 dBm to +10 dBm A Plug, USB 2.0 (Host End) B Plug, 2.0 Version 15-pins, D-SUB(female)		
INPUTS AND OUTPUTS RF Input Tracking Generator Output Reference Input USB VGA	Deviation Deviation Accuracy Counter Resolution Accuracy Impedance Connector Connector Connector Connector 10MHz Reference Amplitude USB Host USB Device	20 Hz to 200 kHz ±4%, nominal 1Hz, 10Hz, 10Hz, 1kHz ±(frequency indication × frequency reference accur 50 Ω, Typical N Type Female 50 Ω, Typical N Type Female BNC Female 0 dBm to +10 dBm A Plug, USB 2.0 (Host End) B Plug, 2.0 Version		
INPUTS AND OUTPUTS RF Input Tracking Generator Output Reference Input USB VGA GENERAL SPECIFICATION	Deviation Deviation Accuracy Counter Resolution Accuracy Impedance Connector Impedance Connector Connector 10MHz Reference Amplitude USB Host USB Device Connector Resolution	20 Hz to 200 kHz ±4%, nominal 1Hz, 10Hz, 100Hz, 1kHz ±(frequency indication × frequency reference accur 50 Ω, Typical N Type Female 50 Ω, Typical N Type Female BNC Female 0 dBm to +10 dBm A Plug, USB 2.0 (Host End) B Plug, 2.0 Version 15-pins, D-SUB(female) 800*600, 60 Hz	acy+ counter resolution	
INPUTS AND OUTPUTS RF Input Tracking Generator Output Reference Input USB VGA <u>GENERAL SPECIFICATION</u> Display	Deviation Deviation Accuracy Counter Resolution Accuracy Impedance Connector Impedance Connector Connector 10MHz Reference Amplitude USB Host USB Device Connector Resolution	20 Hz to 200 kHz ±4%, nominal 1Hz, 10Hz, 100Hz, 1kHz ±(frequency indication × frequency reference accur 50 Ω, Typical N Type Female 50 Ω, Typical N Type Female BNC Female 0 dBm to +10 dBm A Plug, USB 2.0 (Host End) B Plug, 2.0 Version 15-pins, D-SUB(female)	acy+ counter resolution	
INPUTS AND OUTPUTS RF Input Tracking Generator Output Reference Input USB VGA <u>GENERAL SPECIFICATION</u> Display	Deviation Deviation Accuracy Counter Resolution Accuracy Impedance Connector Impedance Connector Connector 10MHz Reference Amplitude USB Host USB Device Connector Resolution	20 Hz to 200 kHz ±4%, nominal 1Hz, 10Hz, 100Hz, 1kHz ±(frequency indication × frequency reference accur 50 Ω, Typical N Type Female 50 Ω, Typical N Type Female BNC Female 0 dBm to +10 dBm A Plug, USB 2.0 (Host End) B Plug, 2.0 Version 15-pins, D-SUB(female) 800*600, 60 Hz 10.4 inches, TFT LCD, 800*600 (SVGA), 65536 col-	acy+ counter resolution	
INPUTS AND OUTPUTS RF Input Tracking Generator Output Reference Input USB VGA GENERAL SPECIFICATION Display Remote Control Mass Memory	Deviation Deviation Accuracy Counter Resolution Accuracy Impedance Connector Impedance Connector Connector 10MHz Reference Amplitude USB Host USB Device Connector Resolution Type USB LAN Internal Memory	20 Hz to 200 kHz ±4%, nominal 1Hz, 10Hz, 100Hz, 1kHz ±(frequency indication × frequency reference accur 50 Ω, Typical N Type Female 50 Ω, Typical N Type Female BNC Female 0 dBm to +10 dBm A Plug, USB 2.0 (Host End) B Plug, 2.0 Version 15-pins, D-SUB(female) 800*600, 60 Hz 10.4 inches, TFT LCD, 800*600 (SVGA), 65536 col- USB TMC 10/100Base, RJ-45 256M Bytes	acy+ counter resolution	
INPUTS AND OUTPUTS RF Input Tracking Generator Output Reference Input USB VGA GENERAL SPECIFICATION Display Remote Control Mass Memory	Deviation Deviation Accuracy Counter Resolution Accuracy Impedance Connector Impedance Connector 10MHz Reference Amplitude USB Host USB Device Connector Resolution Type USB LAN Internal Memory Operating Temperature	20 Hz to 200 kHz ±4%, nominal 1Hz, 10Hz, 100Hz, 1kHz ±(frequency indication × frequency reference accur 50 Ω, Typical N Type Female 50 Ω, Typical N Type Female BNC Female 0 dBm to +10 dBm A Plug, USB 2.0 (Host End) B Plug, 2.0 Version 15-pins, D-SUB(female) 800*600, 60 Hz 10.4 inches, TFT LCD, 800*600 (SVGA), 65536 color USB TMC 10/100Base, RJ-45 256M Bytes 0 °C to 40°C	acy+ counter resolution	
INPUTS AND OUTPUTS RF Input Tracking Generator Output Reference Input USB VGA <u>GENERAL SPECIFICATION</u> Display Remote Control Mass Memory Temperature	Deviation Deviation Accuracy Counter Resolution Accuracy Impedance Connector Impedance Connector Connector 10MHz Reference Amplitude USB Host USB Device Connector Resolution Type USB LAN Internal Memory Operating Temperature Storage Temperature	20 Hz to 200 kHz ±4%, nominal 1Hz, 10Hz, 100Hz, 1kHz ±(frequency indication × frequency reference accur 50 Ω, Typical N Type Female 50 Ω, Typical N Type Female BNC Female 0 dBm to +10 dBm A Plug, USB 2.0 (Host End) B Plug, 2.0 Version 15-pins, D-SUB(female) 800*600, 60 Hz 10.4 inches, TFT LCD, 800*600 (SVGA), 65536 color USB TMC 10/100Base, RJ-45 256M Bytes 0 °C to 40°C -20°C to 70°C	acy+ counter resolution	
INPUTS AND OUTPUTS RF Input Tracking Generator Output Reference Input USB VGA <u>GENERAL SPECIFICATION</u> Display Remote Control Mass Memory Temperature	Deviation Deviation Accuracy Counter Resolution Accuracy Impedance Connector Impedance Connector 10MHz Reference Amplitude USB Host USB Device Connector Resolution Type USB LAN Internal Memory Operating Temperature	20 Hz to 200 kHz ±4%, nominal 1Hz, 10Hz, 100Hz, 1kHz ±(frequency indication × frequency reference accur 50 Ω, Typical N Type Female 50 Ω, Typical N Type Female BNC Female 0 dBm to +10 dBm A Plug, USB 2.0 (Host End) B Plug, 2.0 Version 15-pins, D-SUB(female) 800*600, 60 Hz 10.4 inches, TFT LCD, 800*600 (SVGA), 65536 col- USB TMC 10/100Base, RJ-45 256M Bytes 0 °C to 40°C -20°C to 70°C 421mm(W) × 221mm(H) × 115mm(D)/Approx. 5.	acy+ counter resolution	
INPUTS AND OUTPUTS RF Input Tracking Generator Output Reference Input USB VGA GENERAL SPECIFICATION Display Remote Control Mass Memory	Deviation Deviation Accuracy Counter Resolution Accuracy Impedance Connector Impedance Connector Connector 10MHz Reference Amplitude USB Host USB Device Connector Resolution Type USB LAN Internal Memory Operating Temperature Storage Temperature	20 Hz to 200 kHz ±4%, nominal 1Hz, 10Hz, 100Hz, 1kHz ±(frequency indication × frequency reference accur 50 Ω, Typical N Type Female 50 Ω, Typical N Type Female BNC Female 0 dBm to +10 dBm A Plug, USB 2.0 (Host End) B Plug, 2.0 Version 15-pins, D-SUB(female) 800*600, 60 Hz 10.4 inches, TFT LCD, 800*600 (SVGA), 65536 col- USB TMC 10/100Base, RJ-45 256M Bytes 0 °C to 40°C -20°C to 70°C 421mm(W) × 221mm(H) × 115mm(D)/Approx. 5.	acy+ counter resolution	
INPUTS AND OUTPUTS RF Input Tracking Generator Output Reference Input USB VGA <u>GENERAL SPECIFICATION</u> Display Remote Control Mass Memory Temperature	Deviation Deviation Accuracy Counter Resolution Accuracy Impedance Connector Impedance Connector 10MHz Reference Amplitude USB Host USB Device Connector Resolution Type USB LAN Internal Memory Operating Temperature Storage Temperature Dimensions & Weight	20 Hz to 200 kHz ±4%, nominal 1Hz, 10Hz, 100Hz, 1kHz ±(frequency indication × frequency reference accur 50 Ω, Typical N Type Female 50 Ω, Typical N Type Female BNC Female 0 dBm to +10 dBm A Plug, USB 2.0 (Host End) B Plug, 2.0 Version 15-pins, D-SUB(female) 800*600, 60 Hz 10.4 inches, TFT LCD, 800*600 (SVGA), 65536 col- USB TMC 10/100Base, RJ-45 256M Bytes 0 °C to 40°C -20°C to 70°C 421mm(W) × 221mm(H) × 115mm(D)/Approx. 5.	acy+ counter resolution ors 0 kg(without package) fications subject to change without notice. GSP-818GD1DE	
INPUTS AND OUTPUTS RF Input Tracking Generator Output Reference Input USB VGA GENERAL SPECIFICATION Display Remote Control Mass Memory Temperature Appearance ORDERING INFORMAT	Deviation Deviation Accuracy Counter Resolution Accuracy Impedance Connector Impedance Connector 10MHz Reference Amplitude USB Host USB Device Connector Resolution Type USB LAN Internal Memory Operating Temperature Storage Temperature Dimensions & Weight	20 Hz to 200 kHz ±4%, nominal 1Hz, 10Hz, 100Hz, 1kHz ±(frequency indication × frequency reference accur 50 Ω, Typical N Type Female SO Ω, Typical N Type Female BNC Female 0 dBm to +10 dBm A Plug, USB 2.0 (Host End) B Plug, 2.0 Version 15-pins, D-SUB(female) 800*600, 60 Hz 10.4 inches, TFT LCD, 800*600 (SVGA), 65536 color USB TMC 10/100Base, RJ-45 256M Bytes 0 °C to 40°C -20°C to 70°C 421mm (W) × 221mm (H) × 115mm (D)/Approx. 5. Specificial Statements of the statement of th	acy+ counter resolution ors 0 kg(without package) fications subject to change without notice. GSP-818GD1DF	
INPUTS AND OUTPUTS RF Input Tracking Generator Output Reference Input USB VGA GENERAL SPECIFICATION Display Remote Control Mass Memory Temperature Appearance ORDERING INFORMAT GSP-818 1.8 GHz Spe	Deviation Deviation Accuracy Counter Resolution Accuracy Impedance Connector Impedance Connector 10MHz Reference Amplitude USB Host USB Device Connector Resolution Type USB LAN Internal Memory Operating Temperature Storage Temperature Dimensions & Weight	20 Hz to 200 kHz ±4%, nominal 1Hz, 10Hz, 100Hz, 1kHz ±(frequency indication × frequency reference accur 50 Ω, Typical N Type Female 50 Ω, Typical N Type Female BNC Female 0 dBm to +10 dBm A Plug, 105B 2.0 (Host End) B Plug, 2.0 Version 15-pins, D-SUB(female) 800*600, 60 Hz 10.4 inches, TFT LCD, 800*600 (SVGA), 65536 col- USB TMC 10/100Base, RJ-45 256M Bytes 0 °C to 40°C -20°C to 70°C 421mm (W) × 221mm (H) × 115mm (D)/Approx. 5. Specie	acy+ counter resolution ors 0 kg(without package) fications subject to change without notice. GSP-818GD1DF CSP-818 OPTIONS	
INPUTS AND OUTPUTS RF Input Tracking Generator Output Reference Input USB VGA GENERAL SPECIFICATION Display Remote Control Mass Memory Temperature Appearance ORDERING INFORMAT GSP-818 1.8 GHz Spe Opt. 01 Tracking Gene	Deviation Deviation Accuracy Counter Resolution Accuracy Impedance Connector Impedance Connector Connector 10MHz Reference Amplitude USB Host USB Device Connector Resolution Type USB LAN Internal Memory Operating Temperature Storage Temperature Dimensions & Weight	20 Hz to 200 kHz ±4%, nominal 1Hz, 10Hz, 100Hz, 1kHz ±(frequency indication × frequency reference accur 50 Ω, Typical N Type Female 50 Ω, Typical N Type Female BNC Female 0 dBm to +10 dBm A Plug, 105B 2.0 (Host End) B Plug, 2.0 Version 15-pins, D-SUB(female) 800*600, 60 Hz 10.4 inches, TFT LCD, 800*600 (SVGA), 65536 col- USB TMC 10/100Base, RJ-45 256M Bytes 0 °C to 40°C -20°C to 70°C 421mm (W) × 221mm (H) × 115mm (D)/Approx. 5. Specie	acy+ counter resolution acy+ counter resolution 0 kg(without package) fications subject to change without notice. CSP-818GD1DF CGSP-818 OPTIONS rator for GSP-818 (License key upgrade, field installed)	
INPUTS AND OUTPUTS RF Input Tracking Generator Output Reference Input USB VGA GENERAL SPECIFICATION Display Remote Control Mass Memory Temperature Appearance ORDERING INFORMAT GSP-818 1.8 GHz Spe Opt. 01 Tracking Gene Opt. 02 EMI Filter and	Deviation Deviation Accuracy Counter Resolution Accuracy Impedance Connector Impedance Connector 10MHz Reference Amplitude USB Host USB Device Connector Resolution Type USB LAN Internal Memory Operating Temperature Storage Temperature Dimensions & Weight	20 Hz to 200 kHz ±4%, nominal 1Hz, 10Hz, 100Hz, 1kHz ±(frequency indication × frequency reference accur 50 Ω, Typical N Type Female 50 Ω, Typical N Type Female BNC Female 0 dBm to +10 dBm A Plug, USB 2.0 (Host End) B Plug, 2.0 Version 15-pins, D-SUB(female) 800*600, 60 Hz 10.4 inches, TFT LCD, 800*600 (SVGA), 65536 col- USB TMC 10/100Base, RJ-45 256M Bytes 0 °C to 40°C -20°C to 70°C 421mm (W) × 221mm (H) × 115mm (D)/Approx. 5. Specif FIELD UPGRADE FOP Opt.01 Tracking Gene Opt.02 EMI Filter and	acy+ counter resolution acy+ counter resolution 0 kg(without package) fications subject to change without notice. CSP-818CD1DF CGSP-818 OPTIONS rator for GSP-818 (License key upgrade, field installed)	
INPUTS AND OUTPUTS RF Input Tracking Generator Output Reference Input USB VGA GENERAL SPECIFICATION Display Remote Control Mass Memory Temperature Appearance ORDERING INFORMAT GSP-818 1.8 GHz Spe Opt. 01 Tracking Gene Opt. 02 EMI Filter and ACCESSORIES	Deviation Deviation Accuracy Counter Resolution Accuracy Impedance Connector Impedance Connector Connector 10MHz Reference Amplitude USB Host USB Device Connector Resolution Type USB LAN Internal Memory Operating Temperature Storage Temperature Storage Temperature Dimensions & Weight CON Corrum Analyzer Erator (Factory Installed)	20 Hz to 200 kHz ±4%, nominal 1Hz, 10Hz, 100Hz, 1kHz ±(frequency indication × frequency reference accur 50 Ω, Typical N Type Female 50 Ω, Typical N Type Female BNC Female 0 dBm to +10 dBm A Plug, USB 2.0 (Host End) B Plug, 2.0 Version 15-pins, D-SUB(female) 800*600, 60 Hz 10.4 inches, TFT LCD, 800*600 (SVGA), 65536 col- USB TMC 10/100Base, RJ-45 256M Bytes 0 °C to 40°C -20°C to 70°C 421mm (W) × 221mm (H) × 115mm (D)/Approx. 5. Specif FIELD UPGRADE FOP Opt.01 Tracking Gene Opt.02 EMI Filter and field installed) FREE DOWNLOAD	acy+ counter resolution D kg(without package) fications subject to change without notice. GSP-818GD1DF CGSP-818 OPTIONS rator for GSP-818 (License key upgrade, field installed) EMI Detector for GSP-818(License key upgrade, field installed)	
INPUTS AND OUTPUTS RF Input Tracking Generator Output Reference Input USB VGA GENERAL SPECIFICATION Display Remote Control Mass Memory Temperature Appearance ORDERING INFORMAT GSP-818 1.8 GHz Spe Opt. 01 Tracking Gene Opt. 02 EMI Filter and ACCESSORIES Power cord, Calibration Certif	Deviation Accuracy Deviation Accuracy Counter Resolution Accuracy Impedance Connector Connector Connector 10MHz Reference Amplitude USB Host USB Device Connector Resolution Type USB LAN Internal Memory Operating Temperature Storage Temperature Dimensions & Weight TION extrum Analyzer erator (Factory Installed) IEMI Detector (Factory Installed) Ficate	20 Hz to 200 kHz ±4%, nominal 1Hz, 10Hz, 100Hz, 1kHz ±(frequency indication × frequency reference accur 50 Ω, Typical N Type Female 50 Ω, Typical N Type Female BNC Female 0 dBm to +10 dBm A Plug, 2.0 Version 15-pins, D-SUB(female) 800*600, 60 Hz 10.4 inches, TFT LCD, 800*600 (SVGA), 65536 col- USB TMC USB TMC 10/100Base, RJ-45 256M Bytes 0 °C to 40°C -20°C to 70°C 421mm (W) × 221mm (H) × 115mm (D)/Approx. 5. Special FIELD UPGRADE FOR Opt.01 Tracking Gene Opt.02 EMI Filter and field installed) FREE DOWNLOAD Dedicated Remote Cont	acy+ counter resolution D kg(without package) fications subject to change without notice. GSP-818GD1DF CGSP-818 OPTIONS rator for GSP-818 (License key upgrade, field installed) EMI Detector for GSP-818(License key upgrade, field installed)	
INPUTS AND OUTPUTS RF Input Tracking Generator Output Reference Input USB VGA GENERAL SPECIFICATION Display Remote Control Mass Memory Temperature Appearance ORDERING INFORMAT GSP-818 1.8 GHz Spe Opt. 01 Tracking Gene Opt. 02 EMI Filter and ACCESSORIES Power cord, Calibration Certif	Deviation Deviation Accuracy Counter Resolution Accuracy Impedance Connector Impedance Connector Connector 10MHz Reference Amplitude USB Host USB Device Connector Resolution Type USB LAN Internal Memory Operating Temperature Storage Temperature Storage Temperature Dimensions & Weight CON Corrum Analyzer Erator (Factory Installed)	20 Hz to 200 kHz ±4%, nominal 1Hz, 10Hz, 100Hz, 1kHz ±(frequency indication × frequency reference accur 50 Ω, Typical N Type Female 50 Ω, Typical N Type Female BNC Female 0 dBm to +10 dBm A Plug, 2.0 Version 15-pins, D-SUB(female) 800*600, 60 Hz 10.4 inches, TFT LCD, 800*600 (SVGA), 65536 col- USB TMC USB TMC 10/100Base, RJ-45 256M Bytes 0 °C to 40°C -20°C to 70°C 421mm (W) × 221mm (H) × 115mm (D)/Approx. 5. Special FIELD UPGRADE FOR Opt.01 Tracking Gene Opt.02 EMI Filter and field installed) FREE DOWNLOAD Dedicated Remote Cont	acy+ counter resolution D kg(without package) fications subject to change without notice. GSP-818GD1DH CGSP-818 OPTIONS rator for GSP-818 (License key upgrade, field installed) EMI Detector for GSP-818(License key upgrade, field installed)	

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Simply Reliable

1.8 GHz SPECTRUM ANALYZER



CE USB LAN SVGA

GSP-818 is a new general spectrum analyzer, which supports a frequency range of 1.8 GHz and provides testing requirements for RF products during the development /production phases. GSP-818 has a built-in 20dB amplifier and provides an adjustable range of resolution bandwidth (RBW) from 10Hz to 3MHz. In addition, it has the AM/FM signal demodulation function and the ACPR/OCBW/CHPW test functions to meet the requirements of general RF signal measurement.

In addition, the built-in Time Spec function of GSP-818 can simultaneously view the correlation between display power, frequency and time. The Bandwidth Zoom function can be used to view the spectrum performance of signals under different Span. The Limit Line function provides two different Limit Line settings: Windows Measure and Limit Line Measure. Users can use these functions for a wider range of measurement applications.

To achieve clearer signal observation, GSP-818 utilizes a 10.4" large screen with SVGA (800 * 600) resolution. Pertaining to the communications interface, GSP-818 provides both USB and LAN interfaces. Via the USB Host, users can quickly retrieve the files saved after measurements. The USB Device and LAN interface allow users to control through the dedicated PC software or to use the required program designed by the corresponding commands.

GSP-818 also offers two options: TG and EMI Detector. It is different from the previous models. If customers require options, there is no need to send the equipment back. Customers only need to purchase the corresponding software license (Software Keycode) to activate the purchased option, which greatly improves the operational efficiency..

GSP-818

GSP-818

FEATURES

- Frequency Range: 9kHz ~ 1.8GHz
- RBW: 10Hz ~ 3MHz, 10Hz ~ 500kHz in 1-10 steps
- Sensitivity:-148dBm/Hz Typical@PreAmp On
- Built-in AM/FM Demodulation
- Bandwidth Zoom Function
- Measurement Function: ACPR/OCBW/ CHPW, NdB Bandwidth, Freq. Counter, Noise Marker, Limit Line
- Built-in 20dB Preamplifier Standard
- Interface: LAN, USB
- Screen: 10.4" SVGA Output (800x600)
- Options: Tracking Generator, EMI Filter & Detector (via software keycode)



Front



Rear Panel

APPLICATIONS

- Checking and Analysis of Spectrum Characteristics
- Analyze AM and FM Signal Characteristics
- Monitor the Signal Uploaded by SNG Vehicle
- For a Compact Test System

• Measuring the Frequency Response of RF Cables, Attenuators, Filters and Amplifiers





Five traces are provided, and the Marker function can be assigned to different traces.

B. 10HZ RBW



GSP-818 provides a minimum 10Hz RBW resolution and provides a 1-10 steps setting below the 500kHz RBW to allow a flexible signal detection.

. AM AND FM DEMODULATION





GSP-818 provides AM and FM demodulation and supports demodulated audio output.

D. ACPR, OCBW, CHPW





The ACPR function can set up to three sets of adjacent channel tests.



The power density of the signal can be measured through the OCBW function.

CHPW is used to measure the power strength of the signal in a user-defined

E. BANDWIDTH ZOOM



The Bandwidth Zoom function is used to view the spectral performance of the signal under different Span.

F. TIME SPEC



This function can simultaneously view the correlation between display power, frequency and time, and it can also track frequency and power with the variation of time

G. LIMIT LINE



It can directly judge whether the test result of the DUT is qualified according to the preset test qualification conditions. GSP-818 offers two Limit Line measurements: Windows Measure and Limit Line Measure.





