XSA800 Series Spectrum Analyzer Specifications

All technical specifications are guaranteed when the following conditions are met, unless otherwise stated:

- The instrument has been preheated for 30 minutes before use.
- The instrument is in the calibration cycle and has been self-calibrated.

"Typical" and "nominal" for this product are defined as follows

- Typical: Refers to the performance of the product under certain conditions.
- Nominal: Refers to the approximate value under product application process.

Frequency						
	XSA805 (TG)	9 kHz to 500.009 MHz	Z			
Frequency Range	XSA810 (TG)	9 kHz to 1.000009 GHz				
	XSA815 (TG)	9 kHz to 1.500009 GF	Ηz			
Frequency Resolution	1 Hz					
Frequency Span						
Span Range	0 Hz, 100 Hz to max frequency of instrument					
Span Uncertainty	± span / (sweep points-1)					
SSB Phase Noise(20°	C to 30°C,fc=1 G	Hz)				
	10 kHz	< -80 dBc/Hz				
Carrier Offset	100 kHz	< -100 dBc/Hz				
	1 MHz	< -115 dBc/Hz				
Bandwidth	-					
Resolution	1 Hz to 1 MHz	in 1-3-5-10 seguence				
Bandwidth (-3 dB)	1 Hz to 1 MHz, in 1-3-5-10 sequence					
RBW Accuracy	< 5% typical					
Resolution Filter						
Shape Factor (60 dB:	<5 typical					
3 dB)						
Video	10 Hz to 1 MHz in 1 2 5 10 coguence					
Bandwidth (-3 dB)	10 Hz to 1 MHz, in 1-3-5-10 sequence					
Amplitude and level						
Amplitude	DANL to +10 dBm,100 kHz to 10 MHz, Preamp Off					
measurement range	DANL to +20 dBm,10 MHz to 1.5 GHz, Preamp Off					
Reference Level	-80 dBmto+30 dBm,0.01dB by step					
Preamp	20 dB, nominal,	100 kHz to 1.5 GHz				
	XSA805 (TG)					
	XSA810 (TG					
Input Attenuator)	0 to 40 dB,1 dB by step				
	XSA815 (TG)					
trace average ≥ 50, 20	°C to 30°C, input	t impedance = 50Ω)				
Preamp Off	9 kHz to 1 MHz		-95 dBm (Typical), <-88 dBm			
	1 MHz to 500 MHz		-140 dBm (Typical), <-130dBm			
	XSA810(TG) 500 MHz to 1 GHz					
	XSA815(TG)	500 MHz to 1.5 GHz	-138 dBm (Typical),<-128 dBm			

	100 kH= to 4 MI	 I-,		10E dE	m (Tuninal	\ _ 100	dD~	
Preamp On	100 kHz to 1 MHz		- 135 dE	-135 dBm (Typical), <-128 dBm				
	1 MHz to 500 MHz XSA810(TG) 500 MHz to 1 GH		. 1 C⊔-	-160 dBm (Typical),<-150 dBm				
	· ,		o 1 GHz o 1.5 GHz	-158 dBm (Typical),<-148 dB				
Frequency response	70A010(1G) 50	OU IVIF1Z (() 1.0 GHZ	- 136 UB	iii (Typical	,,>- 140 (וווטג	
(20°C to 30°C,30% to	70% relative hum	nidity in	out attonus	etion=10	dR roforo	aca frac	ulonev:	- 5
MHz)	70 % Telative Hull	marty, mi	put atteriue		ub, lelelel	ice iiec	luency.	- J
Preamp Off	∠0.7 dD							
(fc≥9kHz)	<0.7 dB							
Preamp On	<1.0 dB							
(fc≥50 MHz)								
Difference and Accura								
	fc = 50 MHz, peak detector, preamplifier off, attenuation = 10 dB, input signal							
Uncertainty	level = -10 dBm, 20°C to 30°C							
	< 0.4 dB							
Tracking Generator (c	optional)							
	XSA805 (TG)	100 kHz	to 500.009	MHz				
Frequency Range	XSA810 (TG)	100 kHz	to 1.00000	9 GHz				
	XSA815 (TG) 100 kHz to 1.500009 GHz							
Output power	-40 dBm to 0 dBm							
level range	40 dBill to 0 dBill							
Output level resolution	1 dB							
Output flatness		Relative to 50 MHz						
_ 3.p 3.t 3.t 1000	± 3 dB							
Tracking generator spurious	Harmonic spurious		-30 dBc dBm)	(Tracking	generator	output	power	-1
	Non-harmonic spurious		-40 dBc dBm)	(Tracking	generator	output	power	-10
Tracking generator to input terminal isolation	-60 dB (Tracking generator output power 0 dBm)							
USB								
USB Host								
Connector	A Plug							
Protocol	USB 2.0							
USB Device	1							
Connector	B Plug							
Protocol	USB 2.0							
Display								
Туре	TFT LCD							
Resolution	1280*800							
Size	9 inches							
Color	65536							
Remote Control								
Remote Control LAN	10/100Base,RJ-4	45						
	10/100Base,RJ-4 Connector A Plug							

Appearance				
Dimensions	mensions 375 mm (W) × 185 mm (H) × 120 mm (D)			
Weight Approx. 3.7 kg (without package)				