

CPA Series Signal Analyzer

CPA 2026

100 kHz to 26.5 GHz







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Definitions and conditions

Temperatures referred to in this document are defined as follows:

- –Full temperature range = Individual module temperature of 5 to 68 °C, as reported by the module, and environment temperature of 0 to 55 °C.
- -Controlled temperature range = Individual module temperature of 25 to 40 °C, as reported by the module, and environment temperature of 20 to 30 °C.

Specifications describe the warranted performance of calibrated instruments. Specifications data under the following conditions:

- -It is within its calibration cycle
- -Under auto couple control, except when Auto Sweep Time Rules = Accy
- -The analyzer has been stored at an ambient temperature within the allowed operating range for at least two hours before being turned on; if it had previously been stored at a temperature range inside the allowed storage range, but outside the allowed operating range
- -The analyzer has been turned on at least 30 minutes with Auto Align set to normal, or, if Auto Align is set to off or partial, alignments must have been run recently enough to prevent an Alert message; if the Alert condition is changed from Time and Temperature to one of the disabled duration choices, the analyzer may fail to meet specifications without informing the user

95th percentile values indicate the breadth of the population (approx. 2σ) of performance tolerances expected to be met in 95 percent of the cases with a 95 percent confidence, for any ambient temperature in the range of 20 to 30 °C. In addition to the statistical observations of a sample of instruments, these values include the effects of the uncertainties of external calibration references. These values are not warranted.

Typical describes additional product performance information that is not covered by the product warranty. It is performance beyond specifications that 80 percent of the units exhibit with a 95 percent confidence level over the temperature range 20 to 30 °C. Typical performance does not include measurement uncertainty.

Nominal values indicate expected performance, or describe product performance that is useful in the application of the product, but are not covered by the product warranty. Data represented in this document are Nominal unless otherwise noted.

Frequency and Time Specifications

Frequency range				
Frequency range	100kHz to 26.5 GHz			
Band LO	multiple (N)			
0 1	1 100kHz to 3.05GHz			
1 2	2.95GHz to 7.55GHz			
2 2	7.45GHz to 9.25GHz			
3 2	9.15GHz to 11.05GHz			
4 2	10.95GHz to 12.75GHz			
5 4	12.65GHz to 14.55GHz			
6 4	14.45GHz to 16.55GHz			
7 4	16.45GHz to 18.55GHz			
8 4	18.45GHz to 20.55GHz			
9 4	20.45GHz to 24.55GHz			
10 4	24.45GHz to 26.5GHz			
Frequency				
reference				
<u>+</u>	[(time since last adjustment x aging rate) + temperature stability +			
Accuracy	alibration accuracy]			
Aging rate ±	3x10 ⁻⁷ / year (First year)			
Temperature				
stability				
20 to 30°C	±3x10 ⁻⁸			
Full temperature range	±3x10 ⁻⁸			
Achievable initial calibration	alibration			
accuracy	±8x10 ⁻⁸			
Example frequency reference	= 1/2×40-7 12×40-8 19×40-8\			
accuracy	$=\pm(3x10^{-7}+3x10^{-8}+8x10^{-8})$			
1 year after last adjustment	=±4.1x10 ⁻⁷			
Residual FM	≤1Hz p-p in 20 ms nominal			
Frequency readout accuracy (start, stop, center, marker)			
±(marker frequency x frequency	reference accuracy + 0.25 % x span + 5 % x RBW + 2Hz + 0.5 x			
horizontal resolution)				
Marker frequency				
counter				
Accuracy	±(marker frequency x frequency reference accuracy +			
Accuracy	0.100Hz)			
Delta counter accuracy	±(delta frequency x frequency reference accuracy +			
Delta counter accuracy	0.141Hz)			
Counter resolution	0.001Hz			
Frequency span (FFT and swe	ept mode)			
Range	0Hz(zero span),10Hz to maximum frequency of instrument			
Resolution	2Hz			
Accuracy				
Swept	±(0.25% x span + horizontal resolution)			

FFT	±(0.10% x span + horizont	±(0.10% x span + horizontal resolution)		
Sweep time and triggering				
Range	Span = 0Hz	1µs to 6000s		
	Span ≥ 10Hz	1ms to 4000s		
Accuracy	Span ≥ 10Hz, swept	±0.01% nominal		
	Span ≥ 10Hz, FFT	±40% nominal		
	Span = 0Hz	±1% nominal		

Frequency and Time Specifications (Continued)

Trigger	Free run, video, externa	al, RF burst, periodic timer
Trigger delay	Span = 0 Hz or FFT	-150 to +500ms
	Span ≥ 10 Hz,	1110 to 500mg
	swept	1µs to 500ms
	Resolution	0.1µs
Time gating		
Gate methods	Gated LO; gated video;	gated FFT
Gate length range (except method = FFT)	100.0ns to 5.0s	
Gate delay range	0 to 100.0s	
Gate delay jitter	33.3ns p-p nominal	
Sweep (trace) point range		
All spans	1 to 40001	
Resolution bandwidth (RBW)		
Range (-3.01 dB bandwidth)	1 Hz to 3 MHz (10 % st	eps), 4, 5, 6, 8 MHz
Bandwidth accuracy (power)	1Hz to 750kHz	±1.0%(±0.044dB) nominal
	820kHz to 1.2MHz	±2.0%(±0.088dB) nominal
	1.3 to 2.0MHz	±0.13dB nominal
	2.2to 3MHz	±0.22dB nominal
	4 to 8MHz	±0.45dB nominal
Bandwidth accuracy (-3.01 dB)	1Hz to 1.3MHz	±2% nominal
RBW range		
Selectivity (-60 dB/-3 dB)	4.1:1 nominal	
Analysis bandwidth		
Maximum bandwidth	25MHz (40MHz Option)
Video bandwidth (VBW)		
Range	1 Hz to 3 MHz (10 % st	eps), 4, 5, 6, 8 MHz, and wide open
Trange	(labeled 50 MHz)	
Accuracy	±6% nominal	
Measurement speed		
Local measurement and display	11ms (90/s) nominal	
update rate	(5.5.3)	
Remote measurement and LAN	6ms (167/s) nominal	
transfer rate		
Marker peak search	5ms nominal	
Center frequency tune and transfer	22ms nominal	
Measurement/mode switching	75ms nominal	

Amplitude Accuracy and Range Specifications

Amplitude range			
Measurement range			
	Preamp off	Displayed average noi +27dBm	ise level (DANL) to
Input attenuator range			
	0 to 70 dB in 2dB steps		
Maximum safe input lev	rel		
Average total power			
	+27dBm(0.5W)	Input attenuation ≥ 100	
Deals males manage	+27dBm(0.5W)	Input attenuation ≥ 200	dB, preamp on
Peak pulse power	+47dBm(50W)	< 10 µs pulse width, < attenuation ≥ 30dB	1% duty cycle, and input
DC volts			
AC coupled	±16Vdc		
Display range			
Log scale	0.1 to 1dB/division in 0.		
Lincorpoole	1 to 20dB/division in 1d 10 divisions	B steps (10 display divisio	ns)
Linear scale Scale units		dBmA, dBµA, V, W, A	
	dom, domv, dopv,		95%(≈2σ)
Frequency response	,20 to 30°C, σ = nomina	Specification	33 /0(~20)
(100B input attenuation			10.4dD
	9kH to 10MHz	±0.50dB	±0.4dB
	10MHz to 3GHz	±0.65dB	±0.5dB
	3 to 13.6GHz	±1.30dB	±0.8dB
	13.6 to 19.3GHz	±1.50dB	±1.0dB
	19.3 to 24.2GHz	±2.20dB	±1.3dB
D	24.2 to 26.5GHz	±2.50dB	±1.3dB
Preamp on	4001.11- 4- 401.11-	±0.60dB	10 E-ID
	100kHz to 10MHz 10MHz to 3GHz	±1.40dB	±0.5dB
	3 to 7.5GHz	±1.40dB	±1.0dB
			±1.2dB
	7.5 to 13.6GHz	±1.20dB	±1.0dB
	13.6 to 21GHz	±1.40dB	±1.2dB
	21 to 24.2GHz	±2.00dB	±1.8dB
	24.2 至 26.5GHz	±2.80dB	±2.4dB
Input attenuation switch	ning uncertainty	Specifications	Additional information
Attenuation > 2dB, preamp off	50MHz (reference frequency)	±0.3dB	±0.15dB typical
Relative to 10	100kHz to		±0.30dB
dB (reference	3.0GHz		nominal
setting)	3.0 to 7.5GHz		±0.50dB nominal
	7.5 to 26.5GHz		±0.70dB nominal

Amplitude Accuracy and Range Specifications (Continued)

Total absolute amplifued account			
Total absolute amplitude accura	acy Hz ≤ RBW ≤ 1MHz, input signal -′	10 to -50dRm all softings	
	Time = Accy, any reference leve		
standard deviation)	Time - Accy, any reference leve	i, any scale, 0 – noniniai	
At 50MHz	±0.40dB		
At all frequencies			
Preamp on	±(0.40dB + frequency response) ±(0.36dB + frequency response) (95%)		
Input voltage standing wave rat	io (VSWR) (0dB attenuation)		
10MHz to 26.5GHz	< 2.4 nominal		
Resolution bandwidth switching	g uncertainty (referenced to 30 kl	Hz RBW)	
1Hz to 3MHz RBW	±0.15dB		
4, 5, 6, 8MHz RBW	±1.0dB		
Reference level			
Range			
Log scale	-170 to +23dBm in 0.1dB steps		
Linear scale	Same as log (707pV to 3.16V)		
Accuracy	0dB		
Display scale switching uncerta	ainty		
Switching between linear and log	0dB		
Log scale/div switching	0dB		
Display scale fidelity			
-80dBm ≤ input mixer level < -10d	IBm ±0.15dB total		
Trace detectors			
Normal, peak, sample, negative p	eak, log power average, RMS avera	age, and voltage average	
Preamplifier			
Frequency range	100kHzto 7.5GHz (Low band) 100kHzto26.5GHz (Full range)		
Gain	100kHz to 26.5GHz	+20dB nominal	
Noise figure	10MHz to 26.5GHz	DANL+176.24dB nominal	

Dynamic Range Specifications

1dB gain compression (two-tone)

		Total power at input mixer	
Droomp off	10MHz to 7 50Hz	+6dBm	
Preamp off	10MHz to 7.5GHz	nominal	
	7.5 to 12.50Uz	+4dBm	
	7.5 to 13.5GHz	nominal	
	7.5 to 13.5GHz	+2dBm	
	7.5 to 13.5GHZ	nominal	
Droomp on	401411 1 7 5011	-15dBm	
Preamp on	10MHz to 7.5GHz	nominal	
7.54.00.5011-	-19dBm		
	7.5 to 26.5GHz	nominal	

Displayed average noise level (DANL) (Input terminated, sample or average detector, averaging type = Log, 0dB input attenuation, IF Gain = High, 20 to 30°C) Parentheses indicate typical performance

portormanos	Preamplifier OFF	Preamplifier
100kHz to 1MHz	(-125)dBm	ON
1 to 20MHz	-130,(-135)dBm	-154,(- 158)dBm
20MHz to 1.5GHz	-145,(-150)dBm	-160,(- 163)dBm
1.5 to 4.5GHz	-144,(-149)dBm	-160,(- 163)dBm
4.5 to7.6GHz	-140,(-145)dBm	-156,(- 161)dBm
7.6 to 9.5GHz	-141,(-147)dBm	-158,(- 160)dBm
9.5 to 13GHz	-136,(-140)dBm	-156,(- 160)dBm
13 to 14.5GHz	-141,(-145)dBm	-156,(- 161)dBm
14.5 to 19.3GHz	-132,(-138)dBm	-153,(- 157)dBm
19.3 to 23GHz	-134,(-139)dBm	-152,(- 157)dBm
23 to 24GHz	-132,(-137)dBm	-150,(- 155)dBm
24 to 26.5GHz	-128,(-133)dBm	-144,(- 149)dBm
Spurious responses		
Residual response	200kHz to 26.5GHz(swept)	-90dBm

(Input terminated and 0dB attenuation)	Zero span or FFT or other frequencies	-100dBm nom	ninal		
Image responses (First mixer)	Tuned frequency (f)	Mixer level	Respo	nse	
	10MHz to 26.5GHz	-10dBm	-70dBd	c(-80dB	c typical)
	Tuned frequency (f)	Excitation Fre	q Mixer I	level	Response
Image responses (Second mixe	er)				
	10MHz to 20.5GHz	f+1470MHz	-10dBm	-70	dBc(-80dBc
	typical)				
	20.5GHz to 26.5GHz	f-1470MHz	-10dBm	-70	dBc(-80dBc
	typical)				
LO-related spurious	10MHz to 26.5GHz	-	-10dBm	-64dE	3 typical
Other spurious responses	Mixer level	Response			
IF feedthrough	-10dBm	-75dBc(-80dB	ctypical)		
First RF order (f ≥ 10 MHz from	40 dD	704D-/ 004D			
carrier)	-10dBm	-70dBc(-80dB) (C)		
High RF order (f ≥ 10 MHz from	10dPm	70dDa/ 90dD	-		
carrier)	-10dBm	-70dBc(-80dB) (C)		

Dynamic Range Specifications (Continued)

Second harn	nonic	distortion	(SHI)
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Source frequency	SHI(nominal)		
10MHz to 3.75GHz	+50dBm		
3.75 to 13.25GHz	+62dBm		
Third-order intern	nodulation distortion (TOI)		
Parentheses indic	cate typical performance		
	Preamp off	10MHz to 2GHz	+12dBm,(+16)dBm
	(Two -20 dBm tones at input mixer	2 to 3GHz	+12dBm,(+17)dBm
	spaced by 100 kHz, 0 dB	3 to 7.5GHz	+12dBm,(+16)dBm
	attenuation,20 to 30 °C)	7.5 to 13.6GHz	+11dBm,(+15)dBm
		13.6 to 26.5GHz	+8dBm,(+12)dBm
	Preamp on (Two -45 dBm tones at input mixer spaced by 100 kHz, 0 dB attenuation,20 to 30 °C)	10MHz to 26.5GHz	-8dBm nominal

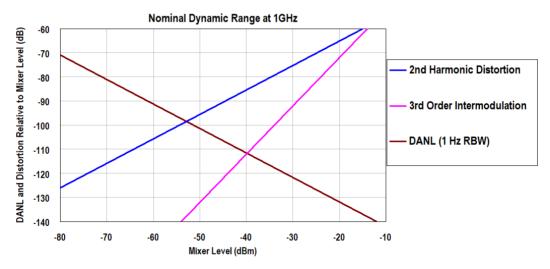


Figure 1. Nominal dynamic range for Band 0, for second and third order distortion,10 MHz to 3 GHz

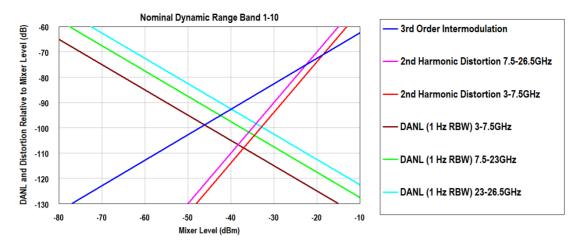


Figure 2. Nominal dynamic range, for second and third order distortion, 3 GHz to 26.5 GHz

Dynamic Range Specifications (Continued)

Phase noise	Offset	Specification	Typical
Noise sidebands (20	to 30°C, CF=1 GHz)		
	100Hz		-80dBc/Hz nominal
	1kHz	-100dBc/Hz	-102dBc/Hz
	10kHz	-107dBc/Hz	-108dBc/Hz
	100kHz	-108dBc/Hz	-110dBc/Hz
	1MHz	-130dBc/Hz	-132dBc/Hz

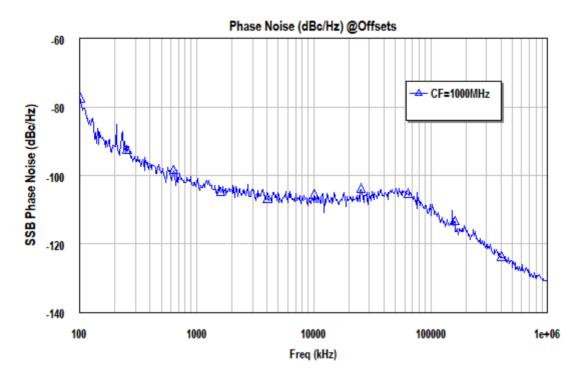


Figure 3. Nominal phase noise at different center frequencies

General Specifications

Temperature range		
Operating	0 to 55°C	
Storage	-40 to 70°C	

Environmental stress

Samples of this product have been type tested in accordance with the RF-Cube Environmental Test Manual and verified to be robust against the environmental stresses of storage, transportation, and end-use; those stresses include, but are not limited to, temperature, humidity, shock, vibration, altitude, and power line conditions.

Power requirement		
Power drawn from chassis	≤90W	
Weight		
Net	2.2kg(4.9 lbs)	
Shipping	4.2kg(9.3 lbs)	
Dimensions		
Height	64mm(2.5 in)	
Width	150mm(5.9 in)	
Length	175mm(6.9 in)	

Calibration cycle

The recommended calibration cycle is one year; calibration services are available through RF-Cube service centers

Inputs and Outputs

RF input	
Connector	2.92mm-K,50Ω nominal
10 MHz in	
Connector	SMA-K,50Ω nominal
10 MHz out	
Connector	SMA-K,50Ω nominal
Trigger in	
Connector	SMA-K,10kΩ nominal
Trigger out	
Connector	SMA-K,50Ω nominal
Analog out	
Connector	SMA-K,50Ω nominal

I/Q Analyzer

Frequency			
Frequency span			
Standard instrument		100kHz to 25MHz	
Option B40		100kHz to 40MHz	
-	th (spectrum measure		
Range	(-1	,	
Overall		100mHz to 3MHz	
Span = 1MHz		50Hz to 1MHz	
Span = 10kHz		1Hz to 10kHz	
Span = 100Hz		100mHz to 100Hz	
Window shapes			
Flat top, Uniform, Han	ning, Gaussian, Blackr	man, Blackman-Harris, Kais	er Bessel (K-B 70 dB, K-B 90
dB and K-B 110 dB)			
Analysis bandwidth			
Standard instrument		100kHz to 25MHz	
Option B40	100kHz to 40MHz		
IF frequency respons	oo (aomoaalation am		
30°C) Center frequency		<u> </u>	
30°C)	Span (MHz)	Max. error	RMS (nominal)
30°C) Center frequency		<u> </u>	RMS (nominal)
30°C) Center frequency (GHz)	Span (MHz)	Max. error	RMS (nominal)
30°C) Center frequency (GHz) ≤3.0 3.0 <f≤26.5 (de<="" if="" linearity="" phase="" td=""><td>Span (MHz) ≤10 ≤10</td><td>Max. error</td><td>RMS (nominal)</td></f≤26.5>	Span (MHz) ≤10 ≤10	Max. error	RMS (nominal)
30°C) Center frequency (GHz) ≤3.0 3.0 <f≤26.5< td=""><td>Span (MHz) ≤10 ≤10</td><td>Max. error ±0.40dB</td><td>RMS (nominal)</td></f≤26.5<>	Span (MHz) ≤10 ≤10	Max. error ±0.40dB	RMS (nominal)
30°C) Center frequency (GHz) ≤3.0 3.0 <f≤26.5 (de="" center="" frequency<="" if="" linearity="" phase="" td=""><td>Span (MHz) ≤10 ≤10 eviation from mean pl</td><td>Max. error ±0.40dB nase linearity, nominal)</td><td>RMS (nominal) 0.03dB 0.10dB</td></f≤26.5>	Span (MHz) ≤10 ≤10 eviation from mean pl	Max. error ±0.40dB nase linearity, nominal)	RMS (nominal) 0.03dB 0.10dB
30°C) Center frequency (GHz) ≤3.0 3.0 <f≤26.5 (de="" (ghz)<="" center="" frequency="" if="" linearity="" phase="" td=""><td>Span (MHz) ≤10 ≤10 eviation from mean pl Span (MHz)</td><td>Max. error ±0.40dB nase linearity, nominal) Peak-to-peak</td><td>RMS (nominal) 0.03dB 0.10dB RMS</td></f≤26.5>	Span (MHz) ≤10 ≤10 eviation from mean pl Span (MHz)	Max. error ±0.40dB nase linearity, nominal) Peak-to-peak	RMS (nominal) 0.03dB 0.10dB RMS
30°C) Center frequency (GHz) ≤3.0 3.0 <f≤26.5 (de="" (ghz)="" center="" frequency="" if="" linearity="" phase="" td="" ≤3.0<=""><td>Span (MHz) ≤10 ≤10 eviation from mean pl Span (MHz) ≤10</td><td>Max. error ±0.40dB nase linearity, nominal) Peak-to-peak 0.5°</td><td>RMS (nominal) 0.03dB 0.10dB RMS 0.2°</td></f≤26.5>	Span (MHz) ≤10 ≤10 eviation from mean pl Span (MHz) ≤10	Max. error ±0.40dB nase linearity, nominal) Peak-to-peak 0.5°	RMS (nominal) 0.03dB 0.10dB RMS 0.2°
30°C) Center frequency (GHz) ≤3.0 3.0 <f≤26.5 (de="" (ghz)="" 3.0<f≤7.5="" 7.5<f≤26.5<="" center="" frequency="" if="" linearity="" phase="" td="" ≤3.0=""><td>Span (MHz) ≤10 ≤10 eviation from mean pl Span (MHz) ≤10 ≤10 ≤10</td><td>Max. error ±0.40dB nase linearity, nominal) Peak-to-peak 0.5° 0.5° 0.5°</td><td>RMS (nominal) 0.03dB 0.10dB RMS 0.2° 0.4°</td></f≤26.5>	Span (MHz) ≤10 ≤10 eviation from mean pl Span (MHz) ≤10 ≤10 ≤10	Max. error ±0.40dB nase linearity, nominal) Peak-to-peak 0.5° 0.5° 0.5°	RMS (nominal) 0.03dB 0.10dB RMS 0.2° 0.4°
30°C) Center frequency (GHz) ≤3.0 3.0 <f≤26.5 (de="" (ghz)="" 3.0<f≤7.5="" 7.5<f≤26.5<="" center="" frequency="" if="" linearity="" phase="" td="" ≤3.0=""><td>Span (MHz) ≤10 ≤10 Eviation from mean pl Span (MHz) ≤10 ≤10 ≤10 ≤10</td><td>Max. error ±0.40dB nase linearity, nominal) Peak-to-peak 0.5° 0.5° 0.5°</td><td>RMS (nominal) 0.03dB 0.10dB RMS 0.2° 0.4°</td></f≤26.5>	Span (MHz) ≤10 ≤10 Eviation from mean pl Span (MHz) ≤10 ≤10 ≤10 ≤10	Max. error ±0.40dB nase linearity, nominal) Peak-to-peak 0.5° 0.5° 0.5°	RMS (nominal) 0.03dB 0.10dB RMS 0.2° 0.4°
30°C) Center frequency (GHz) ≤3.0 3.0 <f≤26.5 (de="" (ghz)="" (sta<="" 3.0<f≤7.5="" 7.5<f≤26.5="" acquisition="" center="" data="" frequency="" if="" linearity="" phase="" td="" ≤3.0=""><td>Span (MHz) ≤10 ≤10 Eviation from mean pl Span (MHz) ≤10 ≤10 ≤10 ≤10 ≤10 10 10 10 1</td><td>Max. error ±0.40dB nase linearity, nominal) Peak-to-peak 0.5° 0.5° 0.5°</td><td>RMS (nominal) 0.03dB 0.10dB RMS 0.2° 0.4°</td></f≤26.5>	Span (MHz) ≤10 ≤10 Eviation from mean pl Span (MHz) ≤10 ≤10 ≤10 ≤10 ≤10 10 10 10 1	Max. error ±0.40dB nase linearity, nominal) Peak-to-peak 0.5° 0.5° 0.5°	RMS (nominal) 0.03dB 0.10dB RMS 0.2° 0.4°
30°C) Center frequency (GHz) ≤3.0 3.0 <f≤26.5 (de="" (ghz)="" (sta<="" 3.0<f≤7.5="" 7.5<f≤26.5="" acquisition="" center="" data="" frequency="" if="" linearity="" phase="" td="" ≤3.0=""><td>Span (MHz) ≤10 ≤10 eviation from mean pl Span (MHz) ≤10 ≤10 ≤10 ≤10 andard 10 MHz IF path 4,000,000 IQ samp pairs</td><td>Max. error ±0.40dB nase linearity, nominal) Peak-to-peak 0.5° 0.5° 0.5°</td><td>RMS (nominal) 0.03dB 0.10dB RMS 0.2° 0.4°</td></f≤26.5>	Span (MHz) ≤10 ≤10 eviation from mean pl Span (MHz) ≤10 ≤10 ≤10 ≤10 andard 10 MHz IF path 4,000,000 IQ samp pairs	Max. error ±0.40dB nase linearity, nominal) Peak-to-peak 0.5° 0.5° 0.5°	RMS (nominal) 0.03dB 0.10dB RMS 0.2° 0.4°
30°C) Center frequency (GHz) ≤3.0 3.0 <f≤26.5 (de="" (ghz)="" (sta="" 3.0<f≤7.5="" 7.5<f≤26.5="" acquisition="" center="" data="" frequency="" if="" length="" linearity="" phase="" rate<="" record="" sample="" td="" time="" ≤3.0=""><td>Span (MHz) ≤10 ≤10 eviation from mean pl Span (MHz) ≤10 ≤10 ≤10 ≤10 andard 10 MHz IF path 4,000,000 IQ samp pairs 90MSa/s 14 Bits</td><td>Max. error ±0.40dB nase linearity, nominal) Peak-to-peak 0.5° 0.5° 0.5°</td><td>RMS (nominal) 0.03dB 0.10dB RMS 0.2° 0.4°</td></f≤26.5>	Span (MHz) ≤10 ≤10 eviation from mean pl Span (MHz) ≤10 ≤10 ≤10 ≤10 andard 10 MHz IF path 4,000,000 IQ samp pairs 90MSa/s 14 Bits	Max. error ±0.40dB nase linearity, nominal) Peak-to-peak 0.5° 0.5° 0.5°	RMS (nominal) 0.03dB 0.10dB RMS 0.2° 0.4°
30°C) Center frequency (GHz) ≤3.0 3.0 <f≤26.5 (de="" (ghz)="" (statement="" 3.0<f≤7.5="" 7.5<f≤26.5="" acquisition="" c<="" center="" content="" data="" frequency="" if="" linearity="" of="" phase="" td="" the="" ≤3.0=""><td>Span (MHz) ≤10 ≤10 eviation from mean pl Span (MHz) ≤10 ≤10 ≤10 ≤10 andard 10 MHz IF path 4,000,000 IQ samp pairs 90MSa/s 14 Bits</td><td>Max. error ±0.40dB nase linearity, nominal) Peak-to-peak 0.5° 0.5° 0.5°</td><td>RMS (nominal) 0.03dB 0.10dB RMS 0.2° 0.4°</td></f≤26.5>	Span (MHz) ≤10 ≤10 eviation from mean pl Span (MHz) ≤10 ≤10 ≤10 ≤10 andard 10 MHz IF path 4,000,000 IQ samp pairs 90MSa/s 14 Bits	Max. error ±0.40dB nase linearity, nominal) Peak-to-peak 0.5° 0.5° 0.5°	RMS (nominal) 0.03dB 0.10dB RMS 0.2° 0.4°
30°C) Center frequency (GHz) ≤3.0 3.0 <f≤26.5 (b40<="" (de="" (ghz)="" (sta="" 3.0<f≤7.5="" 7.5<f≤26.5="" acquisition="" adc="" center="" data="" frequency="" if="" length="" linearity="" phase="" rate="" record="" resolution="" sample="" td="" time="" ≤3.0=""><td>Span (MHz) ≤10 ≤10 eviation from mean pl Span (MHz) ≤10 ≤10 ≤10 ≤10 andard 10 MHz IF path 4,000,000 IQ samp pairs 90MSa/s 14 Bits</td><td>Max. error ±0.40dB nase linearity, nominal) Peak-to-peak 0.5° 0.5° 0.5°</td><td>RMS (nominal) 0.03dB 0.10dB RMS 0.2° 0.4°</td></f≤26.5>	Span (MHz) ≤10 ≤10 eviation from mean pl Span (MHz) ≤10 ≤10 ≤10 ≤10 andard 10 MHz IF path 4,000,000 IQ samp pairs 90MSa/s 14 Bits	Max. error ±0.40dB nase linearity, nominal) Peak-to-peak 0.5° 0.5° 0.5°	RMS (nominal) 0.03dB 0.10dB RMS 0.2° 0.4°
30°C) Center frequency (GHz) ≤3.0 3.0 <f≤26.5 (b40)="" (decenter="" (ghz)="" (state)="" 3.0<f≤7.5="" 7.5<f≤26.5="" acquisition="" adc="" data="" frequency="" if="" length="" length<="" linearity="" phase="" rate="" record="" resolution="" sample="" td="" time="" ≤3.0=""><td>Span (MHz) ≤10 ≤10 Eviation from mean pl Span (MHz) ≤10 ≤10 ≤10 ≤10 andard 10 MHz IF path 4,000,000 IQ samp pairs 90MSa/s 14 Bits 0 IF path) 4,000,000 IQ samp</td><td>Max. error ±0.40dB nase linearity, nominal) Peak-to-peak 0.5° 0.5° 0.5°</td><td>RMS (nominal) 0.03dB 0.10dB RMS 0.2° 0.4°</td></f≤26.5>	Span (MHz) ≤10 ≤10 Eviation from mean pl Span (MHz) ≤10 ≤10 ≤10 ≤10 andard 10 MHz IF path 4,000,000 IQ samp pairs 90MSa/s 14 Bits 0 IF path) 4,000,000 IQ samp	Max. error ±0.40dB nase linearity, nominal) Peak-to-peak 0.5° 0.5° 0.5°	RMS (nominal) 0.03dB 0.10dB RMS 0.2° 0.4°

System Requirements

Operating system	Windows10(64 bit)
Processor speed	1.86 GHz minimum
Available memory	4 GB minimum
	8 GB recommended
Available disk space	4GB
Video	Support for DirectX 10 graphics with 128 MB graphics recommended (Super
	VGA supported)
Browser	Microsoft Internet Explorer 7.0 or greater