

Absolute Amplitude Uncertainty	20°C ~30°C, $f_c=50$ MHz, RBW=1 kHz, VBW=1 kHz, peak detector, 20 dB RF attenuation, Preamplifier Off ± 0.4 dB, input signal= -20dBm Preamplifier On ± 0.5 dB, input signal= -40dBm
Uncertainty	input signal range 0dbm~-50dbm ± 1.5 dB
VSWR	input 10 dB RF attenuation, 1 MHz~1.5GHz <1.5, nominal

Distortion and spurious response

Second harmonic distortion	$f_c \geq 50$ MHz, Preamp off, signal input -30 dBm, 0 dB RF attenuation, 20 °C to 30 °C -65dbc
Third-order intermodulation	$f_c \geq 50$ MHz +10 dBm
1 dB Gain Compression	$f_c \geq 50$ MHz, 0 dB RF attenuation, Preamp off, 20 °C to 30 °C +2 dBm, nominal
Residual response	connect 50 Ω load at input port, 0 dB input attenuation, 20 °C to 30 °C <-85dBm, nominated
Input related spurious	-30 dBm signal at input mixer, 20 °C to 30 °C <-60 dBc

Sweep time and triggering

Span range	100Hz \leq SPAN \leq 3GHz 10ms to 3000s zero sweep width 1ms to 3000s
Mode	Continue, single
Trigger	Free run, video

Tracking generator

Output frequency range	100 kHz~1.5 GHz	100 kHz~3.2 GHz	100 kHz~3.6 GHz (Tracking generator) 35 MHz~3.6 GHz (Tracking generator)
Output power level range	-30 dBm~0 dBm ,		
Output power level resolution	1dB		
Output flatness	+/-3 dB		
Maximum safe reverse level	Average total power: 30 dBm, DC : ± 50 VDC		

Inputs and Outputs

Front panel RF input connector	50 Ω , N-type female
Front panel track generator output	50 Ω , N-type female
10 M reference input	50 Ω , N-type female

Communication port

USB HOST, USB DEVICE, LAN, earphone port, REF and VGA

General technical specification

Display	TFT LCD, 10.4 inches
Weight (without package)	About 5 kg
Dimension (W \times H \times D)	421 \times 221 \times 115 (mm)

Working temperature	0~40 °C
Storage temperature	-20 °C to +60 °C
Power	100V~240V 50/60Hz