

Specification		UTS1030
<b>Spectrum Measurement</b>		
Range	9kHz~3.6GHz	
Resolution	1Hz	
Accuracy	$\pm(\text{Frequency Marker Readout} \times \text{Frequency Reference Accuracy} + 1\% \times \text{Span} + 10\% \times \text{RBW} + 0.5 \times [\text{Span}/(\text{Sweep Points}-1)] + 1\text{Hz})$	
Internal Reference(10MHz)	Aging Rate: <1ppm/year; Stability Over Temperature :<0.5ppm(15°C ~ 35°C)	
<b>Resolution Bandwidth (RBW)</b>		
Range	10Hz~3MHz, Customized down to: 1Hz~10Hz	
Electability(60dB/3dB)	RBW≤500kHz :<5:1 Typical (Digital implementation,next to Gaussian shape); <5% Typical	
Accuracy	RBW≤500kHz : <5% Typical	
Video Bandwidth	10Hz~3MHz	
<b>Average Noise Level (1Hz RBW, 0dB RF Attenuator )</b>		
Preamplifier Off	100kHz~1MHz : <-100dBm-3x(f/100kHz)dB; 1MHz~10MHz : <-130dBm;  10MHz~1GHz : <-135dBm; 1GHz~3.6GHz : <-130dBm	
Preamplifier On	100kHz~1MHz : <-120dBm-3x(f/100kHz)dB; 1MHz~10MHz : <-150dBm;  10MHz~1GHz : <-155dBm; 1GHz~3.6GHz : <-148dBm	
<b>Phase Noise (fc=500MHz)</b>		
Offset 30kHz	-90dBc/Hz	
Offset 100kHz	-100dBc/Hz	
Offset 1MHz	-110dBc/Hz	
<b>Sweep Time</b>		
Span (100Hz≤SPAN≤3.6GHz)	10ms to 3000s	
Zero Span	1ms to 3000s	
Sweep Modes	Continuous, Single	
<b>Trigger</b>		
Trigger Source	AUTO, Video, EXT	
Offset 100kHz	5V TTL Level (Typical )	
<b>Frequency Counter</b>		
Resolution	1Hz, 10Hz, 100Hz, 1kHz	
Uncertainty	Frequency Readout x Frequency Reference Progress+Counter Resolution	
<b>Amplitude Accuracy (20°C-30°C)</b>		
Overall Amplitude Accuracy(90%)	±1.5dB, Input Signal Range: -50dBm ~ 0dBm	
<b>Amplitude</b>		
Max. Safe Input Level	Average Continuous Power: +27dBm	
Max. Input DC Voltage	50Vdc	
Input Attenuator Range	0~39dB, in 3dB step	
1dB Compression	+7dBm	
Internal Memory	128MB	
<b>Residual Response</b>		
Third-Order Intercept(TOI)	> 30MHz : + 13dBm	
Second Harmonic Intercept(SHI)	+30dBm	
Input Related Spurious	<-60dBm	
Residual Response	<-85dBm	
<b>Tracking Generator (Optional)</b>		
Frequency Range	100kHz to 1.5GHz	
Output Power	-30dBm ~ 0dBm, in 1dB step	
Output Flatness	±3dB	
<b>Input/Output</b>		
RF Input	SMA Type,Female (50Ω)	
USB	USB Host, USB Device	
LAN	10/100 Base-T, RJ-45 Connector	
AM/FM Demodulation	Headset	
Reference Input/Output	10MHz, BNC Female, Input: 0dBm ~ +10dBm ; Ouput: 0dBm±2dB	
<b>General Characteristics</b>		
Power	Li-ion Battery: 7.4V 6600mAh ; DC Adapter: 100-240VAC 50/60Hz 1.5A	
Display	6.5 Inches TFT LCD, 640x480	
Product Color	Red and Grey	
Product Net Weight	3.0 Kg	
Product Size (WxHxD)	182mm x 288mm x142mm	
Standard Accessories	DC Adapter, N/SMA Converter, N/BNC Converter, RF Cable, Antenna	
Standard Individual Packing	Gift Box, English Manua	
Standard Quantity Per Carton	1 PC	
Standard Carton Measurement (LxWxH)	400mm x 280mm x 220mm	
Standard Carton Cross Weight	3.9 Kg	