



### SPECIFICATIONS-Part 1

Specifications	UTS1010	UTS1020	UTS1030
<b>Spectrum Measurement</b>			
Range	9kHz~2GHz	9kHz~2.6GHz	9kHz~3.6GHz
Resolution	1Hz		
Accuracy	±(Frequency Marker Readout*Frequency Reference Accuracy +1%*Span +10%*RBW+0.5*[Span/(Sweep Points-1)]+1Hz)		
Internal Reference(10MHz)	Aging Rate <1ppm/year Stability Over Temperature<0.5ppm(15°C~35°C)		
<b>Resolution Bandwidth (RBW)</b>			
Range (<10Hz Optional)	5Hz ~ 3MHz		
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-3*(f/100kHz)dB 1MHz~10MHz: < -130dBm 10MHz~1GHz: < -135dBm 1GHz~3.6GHz: < -130dBm		
Preamplifier On	100kHz~1MHz: < -120dBm-3*(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		



EN61326-1  
EN61010-1



### SPECIFICATIONS-Part 2

Specifications	UTS1010	UTS1020	UTS1030
<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	
<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		N 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 Negative, Input: 0dBm ~ +10dBm; Output: 0dBm±2dB		

### GENERAL CHARACTERISTICS

Power	Li-ion Battery: 7.4V 6600mAh; DC Adapter: 100-240VAC 50/60Hz 1.5A
Display	6.5 Inches TFT LCD, VGA (640×480)
Product Color	Red and Grey
Product Net Weight	3.0 kg
Product Size (W×H×D)	182mm × 288 mm × 142mm
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 (L×W×H)	400mm × 280mm × 220mm
Standard Carton Cross Weight	3.9 kg