

Technical Specifications

Frequency Range	1441A : 9kHz~3GHz	Frequency	N(Internal YO Fundamental We Frequency Division Times)
		$9\text{kHz} \leq f \leq 250\text{MHz}$	4
		$250\text{MHz} < f \leq 400\text{MHz}$	16
	1441B : 9kHz~6GHz	$400\text{MHz} < f \leq 800\text{MHz}$	8
		$800\text{MHz} < f \leq 1.6\text{GHz}$	4
		$1.6\text{GHz} < f \leq 3.2\text{GHz}$	2
		$3.2\text{GHz} < f \leq 6\text{GHz}$	1
Frequency Resolution	0.01Hz		
Time-base Aging Rate(Typical)	$<1 \times 10^{-9}/\text{day}$, $5 \times 10^{-7}/\text{year}$ (after 30 days of continuous power ON)		
Sweep Mode	Sweep Way	Step sweep List sweep	
	Sweep Range	1441A: 9kHz~3GHz 1441B: 9kHz~6GHz	
	Sweep Points	2~1601	
	Dwell Time	10ms~60s	

Harmonic	Output Power Less than +5dBm	<-30dBc	
Non-Harmonic	Output Power Less than +5dBm, 30kHz Offset from Carrier	<-60dBc	
SSB Phase Noise	Freq. Offset	20kHz	
	1441A	500MHz	<-118dBc/Hz
		1GHz	<-112dBc/Hz
		3GHz	<-104dBc/Hz
	1441B	500MHz	<-118dBc/Hz
		1GHz	<-112dBc/Hz
		3GHz	<-104dBc/Hz
		6GHz	<-98dBc/Hz
Max. ALC Output Power (25±10°C)	>+10dBm		
Power Accuracy	±1.5dB (-50dBm≤Output Power≤+10dBm) ±2.0dB (-110dBm≤Output Power<-50dBm) ±3.0dB (-120dBm≤Output Power<-110dBm)		

Modulation Performance	Pulse modulation	Pulse Modulation On/Off Ratio	$9\text{kHz} \leq f \leq 3\text{GHz} : > 80\text{dB}$ $3\text{GHz} < f \leq 6\text{GHz} : > 60\text{dB}$
		Pulse Modulation Rise/Fall Time	$< 25\text{ns}$, Output Frequency $> 250\text{MHz}$ $< 80\text{ns}$, Output Frequency $\leq 250\text{MHz}$
		Min. Pulse Width	ALC Loop On : $< 2\mu\text{s}$
	AM	Modulation Mode: Linear Max. Modulation Depth: 90% Modulation Rate (3 dB Bandwidth, 30% Modulation Depth) : $20\text{Hz} \sim 80\text{kHz}$ Accuracy (1kHz Modulation Rate, Demodulation Bandwidth $300\text{Hz} \sim 3\text{kHz}$) : $\pm 10\%$	
	FM	Max. Frequency Deviation: $> 1.6\text{MHz} \div N$ Modulation Rate (3dB Bandwidth) : $20\text{Hz} \sim 100\text{kHz}$ Accuracy (1kHz Modulation Rate, $2\text{kHz} < \text{Frequency Deviation} \leq 1.6\text{MHz} \div N$,	

		Demodulation Bandwidth 300Hz~3kHz) : ±10%
RF Output Port	Type N port	
Display	7 inch LED	
Operation Interface	Simplified Chinese/English	
Size (W×H×D)	320mm×150mm ×390mm	
Max. Weight	9kg	
Operating Temperature	0°C~+50°C	
Power Input	85VAC~264VAC, 47~63Hz	
Power Consumption	<90W	