



SM5005/5006 Spectrum analyzer is used for early tests in the development of electrical products, troubleshooting of CATV/MATV system as well as the test and trouble diagnosis of cellular phone/paging systems, combined with the near field probes of Mz530, it can detect the missing fields of radio frequency. SM5006 is equipped with a tracing signal generator, and in combined use of spectrum analyzer and tracing signal generator, it can complete the work which cannot be done by other frequency sweep system, such as sweep generator, oscilloscope etc.

**Specifications**  
**Spectrum Analyzer SM5005/5006**

Input Frequency response	<b>0.15-500MHZ, 3dB</b>
Display Accuracy of Central Frequency	+200KHz (frequency sweep width +200KHz)
Accuracy of Mark Frequency	±0.1% (frequency sweep width +100KHz)
Frequency Display resolution	100KHz (4 ½ an LED Display)
Frequency Sweep Width	0.1MHz/div 100KHz/dv with 1.2 and 5 step system 0Hz/div (0 frequency sweep) Accuracy ± 10%
Intermediate Frequency Bandwidth	20KHz and 400KHz
Video Filter	(When on) 4KHz
Amplitude Range	-107~+13dB
Reference Level	-27dB~+13dB (10dB for every step) +/-2dB
Average Noise Level	-97dB(20KHz intermediate frequency width)
Display range of CRT screen	80dB(10dB/div)
Display Range of vertical display	+/-2dB (2 With attenuator) 250MHz signal
Input attenuator	0-40dB (4x10dB step) error: +/-1dB/10dB
Maximum input level	+10dBm,+25V DC(Input attenuator set at 0dB) +20dBm (input attenuator set at 40dB)



<b>Frequency stability</b>	Over 150KHz/hour
<b>Input jack type</b>	BNC
<b>Input impedance</b>	50 $\Omega$
<b>Power supply</b>	220V/110V +/-10%; 50Hz/60Hz
<b>Tracing signal generator (with SM5006)</b>	
<b>Input frequency response</b>	0.15-500MHz, 3dB
<b>Output level range</b>	-50~+1dBm (4x10dB): +/-3dB
<b>Output attenuator</b>	0-40dB (4x10dB step) error: +/-1dB/10dB
<b>Input jack type</b>	BNC
<b>Input impedance</b>	50 $\Omega$
<b>DC output</b>	+6V (for probe)
<b>AM demodulation output</b>	Load impedance $\geq$ 16 $\Omega$