

## Frequency Expansion Modules

**1800M** 950 MHz to 1.8 GHz

**2500M** 1.5 GHz to 2.6 GHz

### RF Signal Source Boosts Output of Portable Signal Generator to 2.6 GHz

The Frequency Expansion Modules are RF signal sources that attach to the SF1000 & SF1010 portable signal generators providing output frequencies up to 2.6 GHz. They are ideal for testing a wide range of advanced wireless applications such as WiFi, Bluetooth, cellular phone, Zigbee and other RF communications equipment, ICs and circuit boards.

The modules are controlled by the SF1000 or SF1010 which also provide operating power.

The combination of the Portable Signal Generators and the Frequency Expansion Modules creates a small, portable tool for both lab bench and field test applications.



### Key Features

- RF signal source with CW up to 2.6 GHz
- Output power range  $-22$  to  $+8$  dBm (HP model output power  $-13$  to  $+16$  dBm)
- Single-tone sine wave
- Frequency sweep
- FSK modulation
- Chirp
- Low close-in phase noise
- Portable package for field applications

### Specifications

Frequency Range	950 MHz to 1.8 GHz
Frequency Resolution	1 Hz
Frequency Accuracy	0.1 ppm
Amplitude Range	64 mV to 800 mV
Amplitude Resolution	1 dB
Power Range	$-22$ dBm to $+8$ dBm (HP model $-13$ to $+16$ dBm)
Power Output Accuracy	$\pm 2$ dB
Phase Noise	$-84$ dBc/Hz @ 1 KHz $-92$ dBc/Hz @ 10 KHz $-110$ dBc/Hz @ 100 KHz
Harmonics (full range)	$< -30$ dBc
Non-Harmonics	$-80$ dBc
Spurious	$-80$ dBc

### Available Models

**1800M** Frequency Expansion Module  
950 MHz to 1.8 GHz Frequency Band

**2500M** Frequency Expansion Module  
1.5 GHz to 2.6 GHz Frequency Band

**2500MHP** Frequency Expansion Module with  
Power Output up to  $+16$  dBm  
1.5 GHz to 2.6GHz Frequency Band

### Ordering Information

Order online at [www.signalforge.com](http://www.signalforge.com) or call Signal Forge at 512-275-3733

Order from our authorized reseller:

**Test Equipment Connection** at  
[www.testequipmentconnection.com](http://www.testequipmentconnection.com) or call 800-615-8378