Table 1-1.   Supplemental Characteristics of the HP 11869A (1 of 2)

11869A Adapter

The 11869A RF Plug-In Adapter provides the electrical and mechanical interface between the model 8350A Sweep Oscillator Mainframe and an 86200 series RF Plug-In. All of the 8350A's standard operating features including HP-IB remote programming are available. However, functions specific to the Plug-In (OUTPUT POWER LEVEL, RF ON/OFF, etc.) cannot be controlled or remotely programmed by the 8350A Mainframe.

Option 004 (Rear-Panel RF Output)

The 11869A Option 004 is designed for use with 86200 series Option 004 Plug-Ins (with rear-panel RF OUTPUT). The 11869A Option 004 is supplied with two pre-shaped semi-rigid coax cables with mating connectors to extend the RF OUT from the rear panel of the Plug-In to the rear panel of the 11869A Adapter, and with a Type-N(f) output connector. Two different RF OUT cables are supplied to match different Plug-In models (see Figure 1-3).

Option 006 (Rear-Panel AUX OUT Connector)

The 11869A Option 006 is designed for use with 86200 series Plug-Ins which have a rear-panel auxiliary output. The Option 006 is supplied with a pre-shaped semi-rigid cable to extend the AUX OUT from the rear panel of the Plug-In to the rear panel of the 11869A Adapter, and with a Type-N(f) output connector (see Figure 1-1). If the Plug-In is an Option 004 Plug-In (rear-panel RF output) which also has a rear-panel auxiliary output, the 11869A Adapter used is an Option 004 and Option 006.

Rear Panel Description

On the rear panel of the 11869A are five hole plugs that can be removed to allow connections to be made through the rear panel to the rear panel of the Plug-In. For user convenience the holes are labeled: AUX OUT, EXT ALC IN, RF OUT, PULSE IN, and FREQ REF.

Three short BNC interconnect cables are supplied to extend the Plug-In EXT ALC IN, PULSE IN, and FREQ REF to the rear panel of the 11869A Adapter for external access. A BNC-to-SMD cable is installed for connection of the 8350A FM INPUT signal through the Adapter to the rear panel of the Plug-In.

Table 1-1.   Supplemental Characteristics of the HP 11869A (2 of 2)

Plug-In Compatibility with the 11869A/8350A

The 11869A Adapter attaches to the back of the 86200 series Plug-In and provides connections to the 8350A Mainframe. The Plug-In Identification Switch on the 11869A top panel is coded to interface the individual Plug-In with the 8350A. The Modulation Select Switch on the 11869A Connector Board selects the correct path for the squarewave modulation signal from the 8350A for use with each Plug-In.

The following Plug-Ins will operate in the 8350A Mainframe by using the 11869A Adapter.

MODEL	FREQUENCY RANGE
86220A	.01-1.3 GHz
86222A/B	.01-2.4 GHz
86230B	1.8-4.2 GHz
86235A	1.7-4.3 GHz
86240A/B	2-8.4 GHz
86240C	3.6-8.6 GHz
86241A	3.2-6.5 GHz
86242A/C/D	5.9-9.0 GHz
86245A	5.9-12.4 GHz
86250A/B/C/D	8.0-12.4 GHz
86260A	12.4-18 GHz
86290A	2-18 GHz
86290B/C	2-18.6 GHz
86290A/B Opt. HO8	2-22 GHz

Special Plug-Ins

For factory modified 86200 series Plug-Ins with non-standard frequency coverage a special PROM must be inserted in the 11869A Adapter. Consult your local HP Sales and Service Office for information about the PROM to be used in a specific Plug-In.

Plug-Ins Not Compatible with the 11869A Adapter

The 8621B RF Drawer and the 86300 series RF Modules are not compatible with the 11869A and will not operate in the 8350A Mainframe.

Furnished

Three BNC interconnect cables for extending the Plug-In rear panel inputs/outputs to the Adapter rear panel; a BNC to SMD cable (factory installed) for connecting the Plug-In FM INPUT from the Adapter/Mainframe; a latch handle with hardware for the Plug-In, to simplify installation in the 8350A Mainframe.

Weight: Net, 0.9 kg (2 lb). Shipping, 2.7 kg (6 lb).