AGILENT 11812A VERIFICATION KIT SPECIFICATIONS

FREQUENCY: 30 MHz.

11812A ACCURACY: ±(0.003 dB + 0.003 dB/10 dB step).

OPTION 050 WORST CASE CUMULATIVE TUNED RF LEVEL ACCURACY VERIFIED WITH 11812A:

±0.010 dB/10 dB step (0 to –100 dBm).
±0.050 dB/10 dB step (–100 to –120 dBm).
±0.015 dB ± 1 digit.

TEMPERATURE:

Operation: 15 °C to 30 °C.
Storage: –55 °C to 74 °C.

AGILENT 8902A REAR PANEL INPUTS/OUTPUTS

Supplemental Characteristics:

FM OUTPUT: *10 kΩ impedance, –9 V to 6 V into an open circuit, ~6 V/MHz, dc coupled, 16 kHz bandwidth (one pole).*

AM OUTPUT: *10 kΩ impedance, –4 V to 0 V into an open circuit, ~8 mV/%, dc coupled, 16 kHz bandwidth (one pole).*

RECORDER OUTPUT: *DC voltage proportional to the measured results, 1 kΩ impedance, 0 V to 4 V for each resolution range into an open circuit.*

IF OUTPUT: *50 Ω impedance, 150 kHz to 2.5 MHz, –27 dBm to –3 dBm.*

10 MHz REFERENCE OUTPUT: *50 Ω impedance, TTL levels (0 V to >2.2 V into an open circuit). Available only with Option 002 $1x10^{-9}$/day internal reference.*

10 MHz REFERENCE INPUT [17]: *>500 Ω impedance, 0.5 $V_{peak\text{-}to\text{-}peak}$ minimum input level.*

LO INPUT (Option 003): *50 Ω impedance, ~1.27 MHz to 1301.5 MHz, 0 dBm nominal.*

RF SWITCH REMOTE CONTROL OUTPUT: *Provides output signals necessary to remotely control either an Agilent 33311B,C Option 011 or an 8761A RF switch.*

FREQUENCY OFFSET MODE REMOTE CONTROL OUTPUT: *TTL high output if in frequency offset mode (Special Function 27.1 or 27.3) with an external LO frequency >0, TTL low output for all other cases.*

17. External reference accuracy affects accuracy of all measurements.