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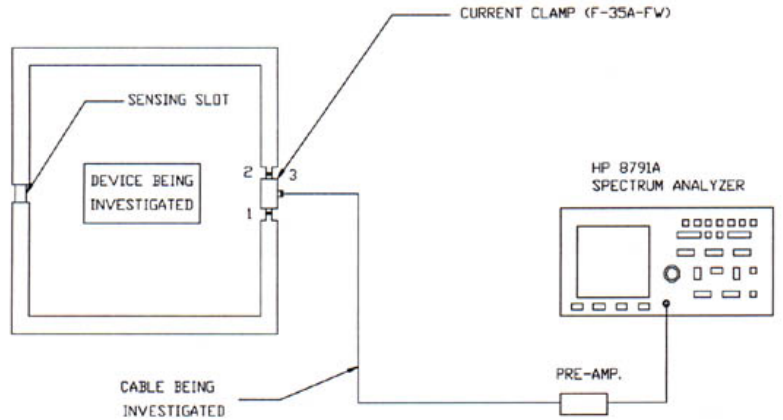
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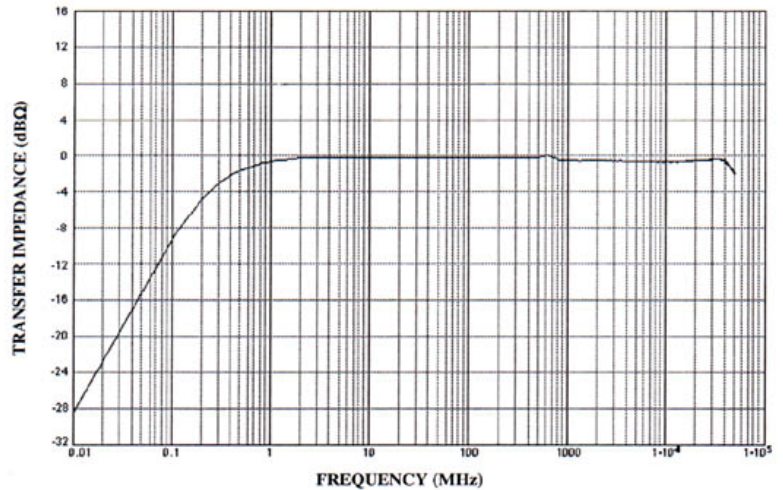
### F-35A-FW Current Transformer

The F-35-FW has a transfer impedance of  $1\Omega$  ( $\pm 2$  dB) from 400 Hz to 50 MHz. The probe is capable of measuring pulse currents to 100 amperes with a duty cycle of 0.001. It will not saturate when inserted inline with the cable under test clamped around a conductor carrying 350 amperes of DC to 60 Hz and 200 amperes of 400 Hz powerline current.



The F-35A-FW is inserted inline with the cable under test, while the third port is to measure the current in the cable under test.

The cable connecting the probe to the receiver must have a 50 ohm characteristic impedance and matching cable connectors. The cable must be well shielded since any leakage due to ambient fields will result in erroneous readings. This probe has been calibrated with a 50 ohm load. Therefore, the field intensity meter or spectrum analyzer must have 50 ohm input impedance.



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