

General Procedure for Conducted Output Power measurements not employing a connector

Description of measurement method of the conductive output power for connector-less portable telephones.

Conducted output power measured before or after each SAR test to verify if the output power levels are within the tolerance specified for the device. The detail to measured conductive power before or after each SAR test is as following:

On the device, search for the final PCB trace for the antenna. This may be a pad or feed-through hole or a spring finger landing area. Unsolder or remove the connection to the antenna and replace the antenna connection with the non-radiating coaxial cable (Picture attached) was soldered on the PCB trace or pad or feedthrough. On the other end of the cable, it was connected to the input of the spectrum analyzer. Then, the measurement was read off the Spectrum Analyzer.

The cable loss of the cable connected between the device and the spectrum analyzer was added to the conducted output power measurement.

Please see the following photo of cable for conducted power.

