MPE Test set up

MPE testing is to be carried out as detailed in the attached diagram.

The device under test is place on top of the test table in the semi anechoic chamber.

The Amplifier Research FP Isotropic Field Probe is to be place on a non metallic support at the distance calculated to give the MPE limit in field strength.

The transmitter is to be activated and the level observed on the monitor.

Ensure that the monitor is operating on the correct range that being the 100 V/m range.

The probe is moved up and down to determine the maximum field strength.

The device is then rotated until the face giving the maximum field strength.

The probe is then moved closer or further from the transmitter to the point where the MPE field strength limit is observed on the field monitor.

This is then determined to be the minimum safe distance.

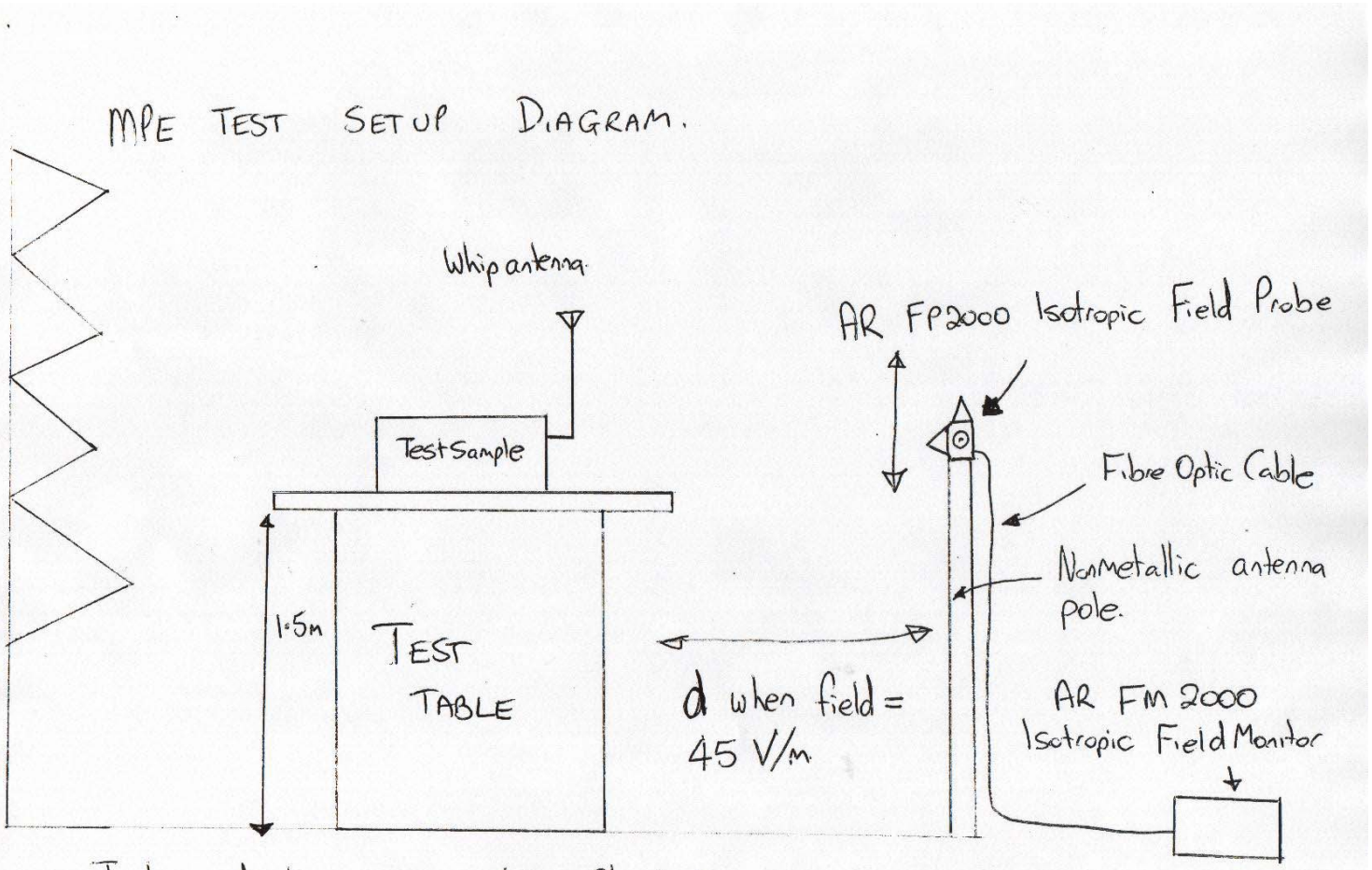
Equipment to be used is:
- Amplifier Research FM 2000 Isotropic Field Monitor
- Amplifier Receiver FP2000 Isotropic Field Probe

The equipment was calibrated by the National Physical Laboratory (NPL) in the United Kingdom.

The equipment was last calibrated on 6th January 2003 by NPL.

The Amplifier research equipment is capable of operating between 10 kHz and 1000 MHz and is capable of measuring fields up to 300 V/m.

MPE TEST SETUP DIAGRAM.



Test carried out in a semi anechoic Chamber.
- Cones on Ceiling and walls - Ferrite tiles on floor