

APPENDIX 11

EXTRACT FROM EMITECH TEST REPORT (MAGNETIC EFFECT)

ORIGINAL EN ROUGE

E.M.C TEST REPORT

According to the standard :
RTCA DO 160 D – Issue 1997

Equipment under test :
ADT 406 AF/AP
P/N : 01N63735A S/N : Proto 007-2001

Company :
ELTA

Distribution : Mr CRESP

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5.4 Magnetic effect test

(According to RTCA DO 160 D – Section 15)

- **Purpose of the test**

This test determines the magnetic effect to the equipment.

With the equipment operating in its functional mode defined chapter 3 and oriented to produce the maximum magnet deflection, measure the distance between the magnet pivot and the nearest part of the equipment at which a deflection of 1 degree exists.

- **Test set-up**

Calibration

The compass is placed on a wood table distant of magnetic source. The table is oriented according to East / West axis of the magnet pivot.

Test

The equipment powered is placed on the table and correctly oriented. Moving the equipment, on East / West axis, first toward and then away from the compass.

The test set-up is performed according to Figure 5.4.1 and photography Picture 5.4.2.

- Apparatus list

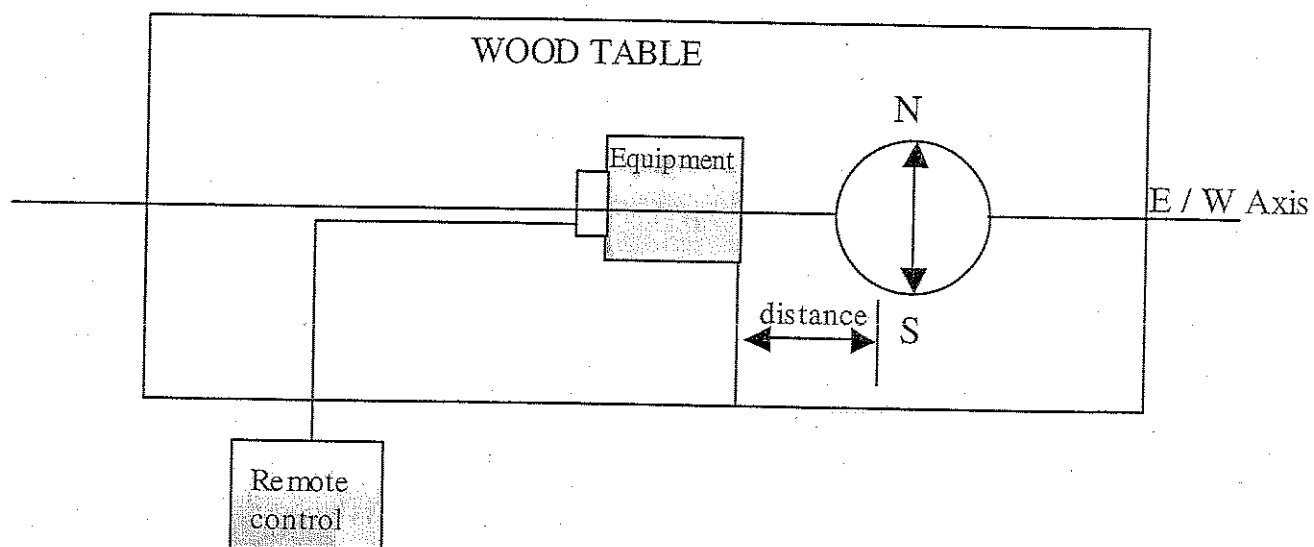
NoEmitech	Category	Marque	Type
5/24/00/039	Compass	Wilkie	-

- Test results

Mod	Deviation	Distance between the axis of the compass and the EUT
Armed	1°	17 cm
	2°	10.5 cm
Activated	1°	10.5 cm

Figure 5.4.1

MAGNETIC EFFECT TEST SET-UP



Picture 5.4.2

MAGNETIC EFFECT TEST SET-UP

