
	<p>Manufacturer : MARTEC. B e a c o n M o d e l : Kannad Auto/Auto GPS/Manual/Manual GPS/Manual+/Manual+ GPS</p>	<p>INTESPACE Reference E6668-ETS/IEC</p>
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CHAPTER 27

COMPASS SAFE DISTANCE TEST

	<p>Manufacturer : MARTEC. Beacon Model : Kannad Auto/Auto GPS/Manual/Manual GPS/Manual+/Manual+ GPS</p>	<p>INTESPACE Reference E6668-ETS/IEC</p>
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27.1 TEST SPECIFICATIONS AND PROGRAMME

Following :

- Section A2.6 of IEC 61097-2 (Second edition –09 2002) ;
 - Section 11.2 of EN 60945 (Fourth edition - 08 2002) and
 - PO 1013/AP/QA-f Intespace Procedure
- 1) Measure 'T' the magnetic earth field in the earth field compensation area
 - 2) Compute the maximum compass deviation : $D_{max} = 5,4 \text{ }^{\circ} / T (\mu\text{Tesla})$
 - 3) Put EUT on the wood bracket or on plastic table in the no compensated magnetic earth field area . Approach it slowly near to the reference compass . Note the distance 'Lnc' that occur the Dmax deviation, on the reference compass .
 - 4) Repeat 3) in the compensated magnetic eath field area and note the distance 'Lc' that occur the Dmax deviation, on the reference compass

Note : The Lc and Lnc distances are measured from the side of EPIRB (boyancy line) to the compass centre

27.2. EQUIPMENT UNDER TEST

Beacon

Beacon Unit : 5/7
Manufacturer : MARTEC
Type : KANNAD AUTO/AUTO GPS/MANUAL/MANUAL GPS/MANUAL+/MANUAL+GPS
Number : 57990
Class : II


27.3. TEST SITE

CNES/Intespace amagnetic chamber
ITS Beacon Certification laboratory .

See photograph next page

27.4. TEST EQUIPMENT

- Compensed magnetic earth field area
- Magnetometer reference : Institut Dr FORSTER REUTLINGEN - Model : 1.107 – S/N : 81.11-824
- Reference Compass
- Argos - Cospas/Sarsat Test Bench

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27.5. RESULTS

Date	Hour	Operations	Results
November 11th,2005	09:30	Magnetic earth field = 23.9 μ T → Max compass deviation	Dmax = 0,225 °
	10:15	Compass safe distance measured in none compensated earth field with (Dmax = 0,22 °) : Photo 1	Lnc = 12 cm
	10:45	Compass safe distance measured in compensated earth field with (Dmax = 1 °) : Photo 2	Lc = 7 cm



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COMPASS SAFE DISTANCE TEST

PHOTO 1





Manufacturer : MARTEC.
Beacon Model : Kannad
Auto/Auto GPS/Manual/Manual
GPS/Manual+/Manual+ GPS

INTESPACE Reference

E6668-ETS/IEC

PHOTO 2

