
	<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 26

ELECTROSTATIC DISCHARGE IMMUNITY TEST

	Manufacturer : MARTEC. B e a c o n M o d e l : Kannad Auto/Auto GPS/Manual/Manual GPS/Manual+/Manual+ GPS	INTESPACE Reference E6668-ETS/IEC
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26.1 TEST SPECIFICATIONS AND PROGRAMME

Following IEC 1000-4-2 (Clause 10.9.2 of EN60945):

Severity level : 3 (According IEC 1000-4-2) = 6 kV by «contact »
= 8 kV on « Air »

Susceptibility criteria : The test has been performed in standby mode; susceptibility criteria is that the operate mode do not appear.

26.2 EQUIPMENT UNDER TEST

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

26.3. DATES :

ESD Test start on : December 13th, 2005

ESD End of test : December 14th, 2005

26.3 TEST SITE

Toulouse Space Center (CST) - INTESPACE Laboratory.


26.4 TEST EQUIPMENT

Name	SN	Last calibration date
ESD Tester	PSD 258	05/2005

26.5 INJECTION METHOD

Two kinds of injection were applied on the equipment :

- A series of positive and negative going polarity « Air » discharges at 8 kV were applied to all operable accessible fixtures.
- A series of positive and negative going polarity « Contact » discharges at 6 kV were applied to all operable accessible fixtures.

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26.6. RESULTS

No susceptibility were detected on the equipment.

26.7 SELF TEST ON :

Date: December 15th, 2005

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

Result: Self Test pass

26.8 ALIVENESS TEST RESULTS AFTER EDI TEST

Date: December 15th, 2005

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

Result: Aliveness Test pass

See aliveness test data next page



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

INTESPACE Reference
E6668-ETS/IEC

Laboratoire de certification
Contrôle balise ARGOS/SARSAT

After RFI and ESD Tests

Constructeur : MARTEC
Modèle : TOPAZE
Numero de serie : 57990 OUTS
Reference : E6668-2
Type : SARSAT

Date de l'essai : 15 Dec 2005 07:48:57
Temperature : 23.4 Deg C

Message balise

Message reçu (1-144): FFFE2F8E3F38A18AE201739521760F20058D
Format flag (25): 1
Protocole flag (26): 0
Code pays (27-36): 0227
Pays : FRANCE
Code protocole (37-40): 1111
Protocole utilise : National - Test
Identification :
Numero : 57990
BCH 1 lu/calculé (86-106/25-85): 0E5495/0E5485
BCH 2 lu/calculé (133-144/107-132): 68D/68D
Pos. Data Source (111): Internal
121.5 MHz Homing (112): No
Additional Data Pos. (110): delta Pos.
Position GPS de reference lab : N 43°33'34'' E 1°28'42
Position GPS : Yes
Position GPS par default : No
Latitude position : 43°33'32'' Nord
Longitude position : 1°28'40'' Est
Delta position : .076 km

Contrôle message

Durée de la porteuse pure 160.63ms +- 0.00
Durée de l'émission 520.64 ms
Fréquence de modulation 400.20Hz +- 0.00

Stabilité de fréquence

Fréquence moyenne = 406027.93379 KHz
SIGMA2 F2-F1 8.533E-11
SIGMA3 F3-F2 1.132E-10

Mesures d'indice

F	F1	G1
49933.57	247	62
49933.58	247	62

Excursion de phase totale	rd	<= 2.48	2.19
Excursion de phase positive	rd	0.96< <1.24	1.10
Excursion de phase negative	rd	-1.24< <-0.96	-1.09
Symétrie de l'excursion	%	<= 5	-22

Mesures de puissance

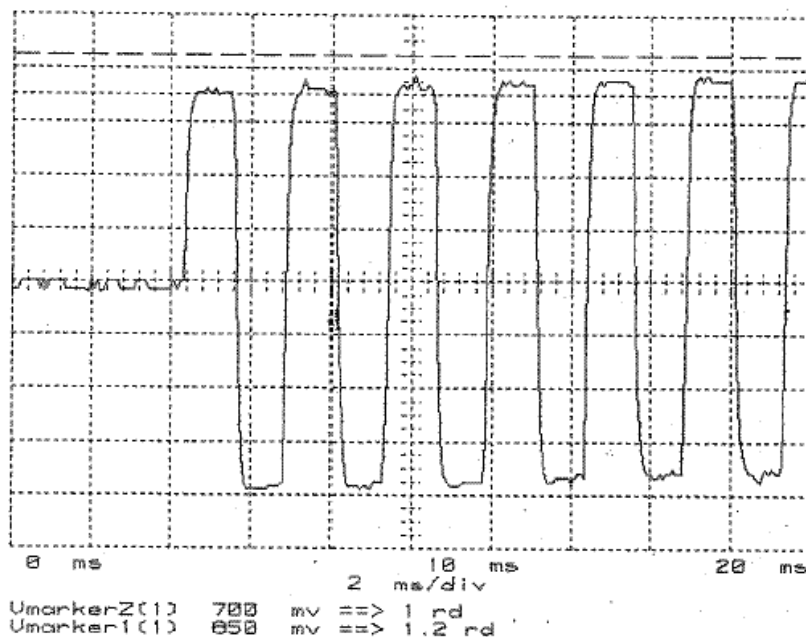
Puissance à 406 MHz = 37.65 dBm



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

INTESPACE Reference

E6668-ETS/IEC



Spectre de fréquence

