

**FEDERAL COMMUNICATION COMMISSION
445 12TH STREET, SW
WASHINGTON, DC 20554
USA**

Blagnac, on September 5, 2003

V/Réf. :
N/Réf : 03B65225
P.J. :

ELTA Grantee Code: LYJ

ELTA contact : C. CRESP, c.cresp@elta.fr

SUBJECT : Tests report & test setup photo of our ELT models ADT 406
(Request for Equipment notification)

Dear Sir,

Our new Emergency Locator Transmitter (ELT) model ADT 406 can be divided in two versions:

- ADT 406 AF/AP, designed for Automatic Fixed application or Automatic Portable application when floatation is not required,
- ADT 406 AP designed for Automatic Portable application when floatation is required.

These two versions use the same transmitter board and the same integration concept (metallic case) .

The difference is on the secondary antenna used.

- For ADT 406 AF/AP the secondary antenna is a backup antenna that operates only the 406 MHz signal:
- For the ADT 406 AP the secondary antenna is a whip antenna that meets the requirements on the three frequencies 121.5-243-406 MHz.

All the test related to EMI/RFI were re-performed in order to validate that no degradation occurs in that configuration.

Test report is part of the TSO & JTSO approval process.

We will submit here under only the tests related to RF aspects of the ELT. All the environmental tests can be consulted in our premises at any time upon request.

This equipment (ELT) is an aeronautic application and test requirements are described in DO-160D standard. This standard is much more harder than the basic telecommunication requirement (EMI & RFI especially).

A compliance matrix is given in our “Declaration of Design and Performances” documents. (see exhibit 03B65221)

Test reports are called out in the following documents:

- 02E64014, Qualification Data Package for the ELT model ADT 406 AF/AP. Test report is 02E66225.
- 03E60999, Qualification Data Package for the ELT model ADT 406 AP. Test report is 03E60998.

Detail are given here after

02E64014, Qualification Data Package for the ELT model ADT 406 AF/AP, extracts



02E64014-extracts.pdf

. Test report is 02E66225 (extracts).



02E66225-extracts.pdf

03E60999, Qualification Data Package for the ELT model ADT 406 AP, extracts



03E60999A-TSO_QDPADTAP-extracts.pdf

Test report is 03E60998.



03E60996B-JTSO_QDPADTAP-extracts.pdf

C. CRESP
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