

Appendix 11

REVISIONS			
Revision Level	Approval	Date	Description
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A			Released Per ECO

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DRAWN. Bill Cox		3/1/2003
CHECKED.		
ENG Bill Cox		3/1/2003
APVD		
A	18560	Sheet 1
SIZE	CODE IDENT NO	Of 3

**Compliance Matrix
 For RTCM ver 1.1
 406 MHz Satellite
 PLBs
 June 2002**

DRAWING NO
RTCM PLB-100

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COMPLIANCE STATEMENT

This report contains the test data and appendices that show that the PLB-100 has met the RTCM Version 1.1, June 2002 specifications for a Category 1 406 MHz Personnel Locator Beacon. These test were done by a Coast Guard and Cospas-Sarsat approved laboratories.

The data from these laboratories listed below concludes that the following compliance matrix met the specification along with Coast Guard Letter Appendix 9 , stating there review prior to adding the Morse P to the home signal that the unit met the requirements. FCC testing in Appendix 11 shows compliance to the Morse P request of the RTCM as per part 95 subpart K of CFR 47.

Attached Compliance Testing Reports

- 1.) Appendix 7 - QC metallurgical labs Report 1
- 2.) Appendix 8 - QC metallurgical labs Report 2
- 3.) Appendix 6 - COSPAS-SARSAT compliance test report for T.001& T.007, Ft. Huachuca, Az.
- 4.) Appendix 9 - Coast Guard Letter on Testing report approval.
- 5.) Appendix 11– Addendum Test Report to RTCM Standard for 406 Satellite PLB Version 1.1

<u>RTCM Compliance Matrix</u>	<u>Pass/Fail</u>	<u>Data</u>
RTCM A1.0 General Test Conditions	Passed	Appendix 7 section 2.0
RTCM A2.0 Sequence of Test	Passed	Appendix 7 See Summary
RTCM A3.0 Vibration Test	Passed	Appendix 7 section A6.0
RTCM A4.0 Bump Test	Passed	Appendix 7 section A4.0
RTCM A5.0 Salt Fog Test	Passed	Appendix 7 section A5.0
RTCM A6.0 Drop Test	Passed	Appendix 7 section A8.0
RTCM A7.0 Leakage and Immersion	Passed	Appendix 7 section A7.0
RTCM A8.0 Spurious Emissions	Passed	Appendix 7 section A8.0 Appendix 8 section A9.0
RTCM A9.0 Cospas Sarsat Test	Passed	Appendix 8 section A9.0
RTCM A10.0 Operational & Self Test	Passed	Appendix 7 section A10
RTCM A10.2 Self Test	Passed	Appendix 6 section A21

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RTCM A11.0 Buoyancy Test **Passed** Appendix 8 section A11

RTCM A12.0 121.5 MHz Auxiliary radio-Locating Device Transmitter Test

RTCM A12.1 Carrier Frequency test **Passed** Appendix 2 section A9.1

RTCM A12.2 Modulation Characteristics **Passed** Appendix 2 section A9.4

RTCM A12.3 Peak Equiv. Radiated Power **Passed** Appendix 2 section A9.0

RTCM A12.3.1 Radiated **Passed** Appendix 2 section A9.0

RTCM A12.3.2 Method Of measurement **Passed** Appendix 2 section A9.0

RTCM ADDENDUM FOR MORSE P **Passed** Appendix 12

The ACR Electronics Model PLB meeting all the above specification we ask for a grant of equipment authorization under Title 47 of the FCC rules Part 95 – Personal Radio Service 95.1402 Special requirements for 406 PLBs.

FCC Rule	Frequency Range	Output Watts	Freq Tolerance	Emission
95.1402	121.5 MHZ	.05	0.005%	3K20A3X
95.1402	121.5 MHZ	.05	0.005%	2K00A2A
95.1402	406 MHZ	5.0	0.0005%	16K0G1D

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