TECHNICAL CONSTRUCTION FILE
TCF 040897/97

ALINCO DJ-X10E

COPY NO.	DATE	NAME	COMPANY
1	4 Aug 1997	Mike Deveraux	Nevada Limited
2	4 Aug 1997	Ray Withers	Raycom Ltd., Alcester, UK

The above is a record of Technical Construction Files issued under the above reference, and should be amended as part of normal documentary procedures.

2. IDENTIFICATION OF APPARATUS

2.1 **Brand Name:**

Alinco

2.2 **Model Number:**

DJ-X10E receiver

2.3 **Name and address of agent:** (UK and Europe)

Nevada Limited
189 London Road
North End
Portsmouth
Hampshire PO2 9AE

2.4 **Description of intended function:**

The apparatus is a hand held, wideband, scanning receiver. The apparatus is designed for use as a monitoring receiver for analogue speech transmissions.

2.5 **Physical location (for installation)**

The apparatus is designed as a portable, hand held unit operating from internally fitted batteries and is not designed for installation.

2.6 **Photographs**

See appendix 1

2.7 **Environmental Limitations**

The apparatus is designed primarily for indoor use. However should the apparatus be used out of doors it should not be subjected to extremes of temperatures (below 0°c or above +55°c).

4. TECHNICAL RATIONAL

Testing falls under the EC Directive on Electromagnetic Compatibility 89/336/EEC.

It was agreed that the Standard ETS 300-086 should apply for EMC (CE) testing purposes.

This apparatus is available in the described options only

Conducted emission tests were not carried out as there were no cable lengths in excess of 1 Metre.

Radiated emission tests were carried out to EN 55022 simulated at 10 metres both horizontally and vertically, using the limits of EN 50081-1 Class A. Measurements were made in a Mac4™ chamber with measurement correction equating to an Open Air Site. An uncertainty margin of ±5dB applies. **The E.U.T has passed this test**

Radiated Susceptibility tests were made to EN 50082-1 using the limits of IEC-65A with radiated RF Field strengths of 3v / metre. The EUT was monitored by video using a Sony near field monitor and audio monitored by way of a Neutrik TP-401 Audio measuring bridge .For performance criteria A **The E.U.T has passed this test**

ESD immunity tests were made to ETS 50082-1 using the limits of IEC 801-2. **The E.U.T has passed this test.**