

INCH-POUND

MIL-A-55288C(CR)
AMENDMENT 2
29 July 1991

SUPERSEDING
AMENDMENT 1
08 February 1991

MILITARY SPECIFICATION

ANTENNA AS-1729/VRC

This amendment forms a part of MIL-A-55288C(CR), dated 27 September 1990, and is approved for use by the Department of the Army and is available for use by all Departments and Agencies of the Department of Defense.

PAGE 6

3.7.1 (a) Operating: Delete +150°F. and substitute +160°F. Delete -40°F. and substitute -60°F.

3.7.1 (b) Nonoperating: Delete -80°F and substitute -60°F.

PAGE 7

Add as new paragraph 3.7.10:

3.7.10 Rain (See 4.7.11). - The Antenna Matching Unit Base MX-6707/VRC when exposed to wind driven rain and high pressure washing hoses in accordance with paragraph 4.7.11 shall show no evidence of leakage.

PAGE 13

Add to Table V-Order of Environmental Tests:

Rain (4.7.11): insert on line between Shock, Ballistic (4.7.6) and Humidity (4.7.2).

Unit 2 Order Column: Add 2 to Impact
Change Vibration from 2 to 3
Change Bounce from 3 to 4
Change Shock from 4 to 5
add 6 to Rain

AMSC N/A

1 of 3

FSC 5985

DISTRIBUTION STATEMENT A. Approved for public release; distribution is unlimited.

MIL-A-55288C(CR)
AMENDMENT 2

PAGE 15

Add to paragraph 4.5.3:

Group C inspection shall be performed in any order satisfactory to the government, except that the rain test 4.7.11 shall be performed after all dynamic tests.

PAGE 16

Correct table number of Group C Inspection:

XI change to IX.

Add as Insertion in Table IX:

In Subgroup I as 2nd Inspection Item (after Impact) : Rain,
Req. Para 3.7.10, Insp Para 4.7.11.

PAGE 18

4.7.2 Humidity test (see 3.7.2), first sentence: Delete and substitute the following:

The Antenna AS-1729/VRC shall be tested in accordance with Method 507, Induced Procedure II of MIL-STD-810. Induced cycle 4 shall be used and the number of 24 hour cycles shall be 20. The following exceptions shall apply:

PAGE 21

Add as new paragraph 4.7.11:

4.7.11 Rain test (see 3.7.10). - The Antenna Matching Unit Base MX-6707 shall be subjected to the blowing rain and watertightness tests of procedures I and II in method 506 of MIL-STD-810. The choice of related test conditions for each of the two tests are as follows:

CONDITION	PROCEDURE I	PROCEDURE II
Test Item Configuration	Operational, on Tank and Wheeled Vehicles	Washing With High Pressure Hoses on Both
Rainfall Rate/Pressure	5 Inches per Hour	150 PSI at 3 Feet
Wind Velocity/GPM	40 MPH	100
Duration	45 Minutes	10 Minutes
Temp, Unit Base, °F	Rain Temp +18°F Min at Beginning	Hose Water Temp + 18°F Min at Beginning

MIL-A-55288C(CR)
AMENDMENT 2

*4.15 Quality assurance requirements applicable for antenna elements
AT-1095/VRC and AS-1730/VRC:

<u>Paragraph</u>	<u>Subject</u>
4.1	Responsibility for inspection
4.2	Classification of inspection
4.4	Inspections covered by subsidiary documents
4.5	Quality conformance inspection of equipment before packaging
4.7	Service condition tests
4.7.1	Temperature test - Nonoperating procedure only. When returned to room temperature, the antenna element shall comply with test in 4.8.4.3 only).
4.7.2	Humidity test. An MX-6707/VRC shall not be included in the humidity chamber. Under 4.7.2.1, units shall be tested for performance in accordance with 4.8.4.3 only.
4.7.4.2	Vibration, whip assembly
4.7.7	Impact
4.7.9	Fungus
4.7.10	Salt fog
4.8	Electrical tests
4.8.4	Whip antenna test
4.8.4.1	Top whip section test
4.8.4.3	Whip assembly test
4.10	Visual and mechanical inspection
4.11	X-ray
4.12	Inspection of interchangeability
4.13	Workmanship
4.14	Finish and pretreatment (CARC Paint Finish)*

Custodian:
Army - CR

Preparing activity:
Army - CR
(Project 5985-A611)

Review activity:
Army - MI

User activity:
Navy - MC