

CHANGE NOTICES ARE NOT
CUMULATIVE AND SHALL
BE RETAINED UNTIL SUCH
TIME AS THE ENTIRE
STANDARD IS REVISED.

MIL-STD-462(USAF)
NOTICE 2

1 May 1970

MILITARY STANDARD

ELECTROMAGNETIC INTERFERENCE CHARACTERISTICS,

MEASUREMENT OF

This notice is applicable to all Air Force procurements and should be filed in front on MIL-STD-462, dated 31 July 1967 and supersedes that document in those areas detailed herein.

TO ALL HOLDERS OF MIL-STD-462:

1. 4.1 Delete and substitute:

All tests and test reports shall be accomplished by the contractor and shall be subject to approval and verification by the Government. When the procuring activity waives participation in the test, the tests shall be witnessed, approved, and certified by a qualified representative of the contractor. Evidence of verification and approval, either by the Government or the contractor, shall be contained in the test report. Instrumentation used shall be approved in accordance with this notice.

2. Paragraph 4.2.1.1 Add the following note:

Do not use the procedure specified in 4.2.8 without approval of the procuring activities.

3. Paragraph 4.2.3.1 Insert period after MIL-STD-461 and delete remainder of sentence.

4. Paragraph 4.2.3.2 Add this sentence:

When a counterpoise is used with a rod antenna, it shall be bonded to the ground plane with a strap at least 30 cm wide.

5. Paragraph 4.2.6 Add the following:

(c) The IF monitor (4.2.3.3.1) and X-Y recording should also be used to determine the nature of the signal.

6. Paragraph 4.2.6.1 Add:

(c) A peak detector shall be used.

FSC-EMCS

7. Paragraph 4.2.7 Add this note:

(a) Other measurement techniques can be used if included in an approved test plan.

(b) Delete subparagraph (a) and substitute:

Measure radiated transients at 0.014, 0.200, 1.2, 14.8, and 400 MHz. Measure conducted transients at 0.014, 0.800, 8.0 and 25.0 MHz. In addition, take measurements at critical frequencies such as IFs.

8. Paragraph 4.2.8 Add this note:

This technique should not be used unless approved by the procuring activity.

9. Method CE-01 Add this note:

The broadband test is no longer required. When a measurement is desired, scan the frequency range with a narrow bandwidth instrument. Determine the type of interference by analyzing the recording.

10. Method CE-05 Add this note:

This method is no longer required.

11. Method CS-04 Add following notes:

(a) This test shall also be applied to control and signal leads on any subsystem/equipment specified by the procuring activity.

(b) For amplifiers, the upper test frequency shall be at least 400 MHz.

12. Method CS-06 Add the following note:

A detailed test procedure shall be included in the test plan to provide a practicable measurement on the item to be tested, as the specified procedure often cannot be accomplished.

13. Method CS-08 Add the following note:

Method CS-04 should normally be used.

14. Method RE-01 Add following note:

This test method is not generally applicable for Air Force use and is not required unless specified by the procuring activity.

15. Method RE-03 Add following note:

This test method should be performed only when CE-06 cannot be accomplished and when authorized by the procuring activity.

16. Method RS-01 Add following note:

This test is not generally applicable for Air Force use and is not required unless specified by the procuring activity.

17. Add Appendix A.

Preparing Activity
AF 11