

ENGINEERING PRACTICE STUDY

TITLE: MIL-PRF-28750/10 changing FIGURE 5. Conducted emissions title to state
FIGURE 5. Conducted emissions – steady state condition, and add FIGURE 6.
Conducted emissions – switching condition.

21 July 2020

STUDY PROJECT (SEE ATTACHMENT 1)

FINAL REPORT

Study Conducted by DLA Land and Maritime

Project Number: 5945-2020-038

Prepared by:

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ATTACH 1

I. OBJECTIVES: This engineering practice study is being conducted to determine the acceptability of changing FIGURE 5. Conducted emissions title to state FIGURE 5. Conducted emissions – steady state condition, and add FIGURE 6. Conducted emissions – switching condition. to reflect a lower frequency requirement obtained during the switching condition.

II. BACKGROUND: At this time, the Specification states conducted emissions requirements that are not achievable during the switching condition.

Questions needing answers are:

1. Are other manufacturers able to achieve existing requirements of FIGURE 5. Conducted emissions. for steady state condition, and switching condition?
2. How does changing the conducted emissions requirement for the switching condition impact the relay's form or function?

III. RESULTS: The document was reviewed and a DoD position determined. A survey letter was sent to all QPL manufacturers and document custodians/reviewers. The response concurred with the proposal to change FIGURE 5. Conducted emissions – steady state condition, and add FIGURE 6. Conducted emissions – switching condition. to reflect a lower frequency requirement obtained during the switching condition. The QPL manufactures are unable to achieve existing requirements of FIGURE 5. Conducted emissions. for steady state condition, and switching condition. Changing the conducted emissions requirement for the switching condition impacts the relay's function.

IV. CONCLUSIONS: It was determined that DLA Land and Maritime adopt the proposal to change FIGURE 5. Conducted emissions – steady state condition, and add FIGURE 6. Conducted emissions – switching condition. to reflect a lower frequency requirement obtained during the switching condition.

V. RECOMMENDATIONS: The document has concurrence to change FIGURE 5. Conducted emissions – steady state condition, and add FIGURE 6. Conducted emissions – switching condition. to reflect a lower frequency requirement obtained during the switching condition.

FIGURE 5. Conducted emissions – steady state condition.

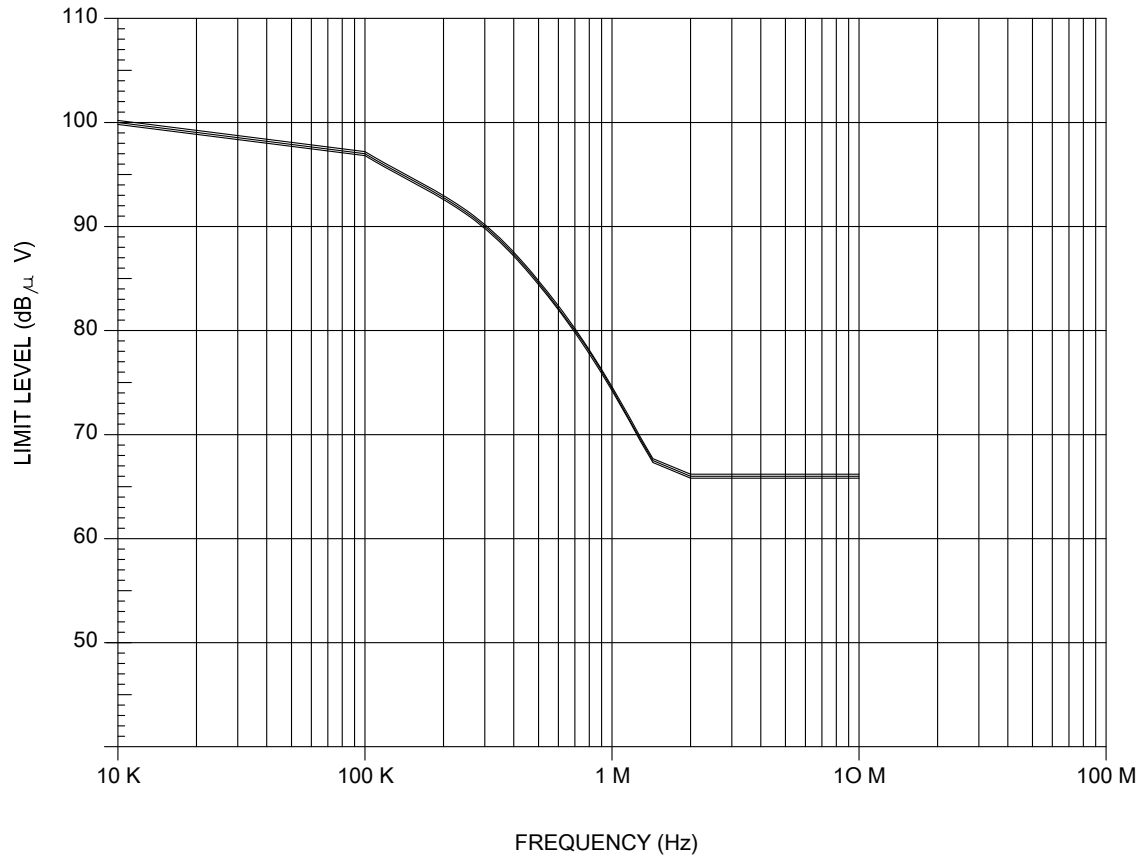


FIGURE 6. Conducted emissions – switching condition.

