

1. Record Nr.	UNINA9910970461303321
Titolo	An assessment of potential health effects from exposure to PAVE PAWS low-level phased-array radiofrequency energy // Committee to Assess Potential Health Effects from Exposures to PAVE PAWS Low-Level Phased-Array Radiofrequency Energy, Board on Radiation Effects Research, Division on Earth and Life Studies, National Research Council of the National Academies
Pubbl/distr/stampa	Washington, DC, : National Academies Press, c2005
ISBN	9786610742042 9780309181303 0309181305 9781280742040 1280742046 9780309545594 0309545595
Edizione	[1st ed.]
Descrizione fisica	1 online resource (213 p.)
Disciplina	363.17
Soggetti	Low-level radiation - Health aspects Radar Radiation - Measurement Radiation - Physiological effect Radio frequency - Health aspects Radio frequency - Safety measures
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"This study was supported by contract F05604-01-C-9000..."--T.p. verso.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	""Front Matter""; ""Preface""; ""Reviewers""; ""Acknowledgments""; ""Contents""; ""Public Summary""; ""Executive Summary""; ""1 Introduction""; ""2 Assessment of Classified Research Relevant to PAVE PAWS""; ""3 Physical Mechanisms for RF Effects on Biological Systems""; ""4 Exposure Levels""; ""5 PAVE PAWS Exposure Conditions""; ""6 Evidence of Biological Effects of RF Exposure Relevant to PAVE PAWS

Radar System"; ""7 Animal and Human Studies Addressing Health Effects"; ""8 Epidemiological Studies of the Possible Adverse Health Effects of Pulsed Radar Emissions""

""9 Health Considerations in the Cape Cod Population""""10 Summary of Conclusions and Recommendations""; ""Appendices""; ""Appendix A Interim Letter Report""; ""Appendix B Acronyms and Abbreviations""; ""Committee Biosketches""

---

#### Sommario/riassunto

PAVE PAWS is a phased-array warning system designed to detect and track sea-launched and intercontinental ballistic missiles operated on Cape Cod since 1979 by the U.S. Air Force Space Command. In 1979, the National Research Council issued two reports to address concerns from Cape Cod residents about the safety and possible health effects of the radiofrequency energy from the radar. Following up on the 1979 report, the new report finds no evidence of adverse health effects to Cape Cod residents from long-term exposure to the PAVE PAWS radar. The report specifically investigated whether the PAVE PAWS radar might be responsible in part for the reported higher rates of certain cancers in the area, but concludes there is no increase in the total number of cancers or in specific cancers of the prostate, breast, lung, or colon due to radiation exposure from PAVE PAWS. The report did find in the scientific literature a few biological responses to radiofrequency exposures that were statistically significant. Such responses do not necessarily result in adverse health effects, but the report recommends additional studies to better discern the significance, if any, of those findings.

---