

Received March 3, 2022, accepted April 14, 2022, date of publication April 18, 2022, date of current version May 2, 2022.

Digital Object Identifier 10.1109/ACCESS.2022.3168656

Microwave Auditory Effects Among U.S. Government Personnel Reporting Directional Audible and Sensory Phenomena in Havana

JAMES C. LIN[®], (Life Fellow, IEEE)

Department of Electrical and Computer Engineering, University of Illinois Chicago, Chicago, IL 60607, USA

e-mail: lin@uic.edu

ABSTRACT The mysterious incidents on diplomatic and intelligence personnel began in 2016. Since then, nearly 200 incidents have been reported. The illnesses and symptoms are called Havana Syndrome, named for the city where cases were first reported. The initial accounts from Havana include hearing of loud high-pitched sounds, localizing the sources as coming from above or behind the head, experiencing a directional sound that ceases if one steps away, the covering of ears not making any difference, some hearing the sound