



# PUBLIC NOTICE

Federal Communications Commission  
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DA 16-41  
Released: January 13, 2016

**OFFICE OF ENGINEERING AND TECHNOLOGY DECLARES SENSIFREE, INC.  
REQUEST FOR WAIVER OF PART 15 ULTRA-WIDEBAND RULES FOR A BODY-  
WORN HEART RATE DEVICE TO BE A “PERMIT-BUT-DISCLOSE” PROCEEDING  
FOR *EX PARTE* PURPOSES AND REQUESTS COMMENT**

**ET Docket No. 15-284**

**Comment Date: February 12, 2016**  
**Reply Comment Date: February 29, 2016**

On August 24, 2015, Sensifree, Inc. (Sensifree) filed a request for waiver of the Commission’s rules to obtain FCC certification to market a body-worn ultra-wideband (UWB) heart rate monitoring device (referred to herein as the “Heart Rate Sensor” or “HRS”). Sensifree states that the HRS device electromagnetically senses changes in the user’s artery diameter caused by the repetitive cycle in blood pressure inside the artery. The device’s transmitter frequency-hops over a range of frequencies depending on where it is placed on the body. A wrist-worn device would operate between 5 and 10 GHz; an arm-worn device would operate between 3.1 and 7 GHz; and a chest-worn device would operate between 3.1 and 4.1 GHz.

Section 15.503(d) of the Commission’s rules defines a UWB transmitter as an intentional radiator that, at any point in time, has a fractional bandwidth equal to or greater than 0.20 or has a bandwidth equal to or greater than 500 megahertz, regardless of the fractional bandwidth. Sensifree asserts that the HRS device would be considered a UWB device but for that fact that the instantaneous bandwidth of each individual hop is less than the minimum 500 megahertz bandwidth required by the UWB definition in Section 15.503(d) of the Rules. Sensifree furthermore states that the UWB test procedures should allow compliance with the technical standards to be determined with the hopping function active.

The FCC’s Office of Engineering and Technology (OET) is reviewing the waiver request. OET has concluded that in order to develop a complete record on the issues presented by this request, this proceeding will be treated, for *ex parte* purposes, as "permit-but-disclose" in accordance with Section 1.1200(a) of the Commission's rules, subject to the requirements under Section 1.1206(b).

Pursuant to sections 1.415 and 1.419 of the Commission’s rules, 47 CFR §§ 1.415, 1.149, interested parties may file comments and reply comments on or before the dates indicated on the first page of this document. Comments may be filed using the Commission’s Electronic Comment Filing System (ECFS). See *Electronic Filing of Documents in Rulemaking Proceedings*, 63 FR 24121 (1998).

- Electronic Filers: Comments may be filed electronically using the Internet by accessing the ECFS: <http://fjallfoss.fcc.gov/ecfs/>.

- Paper Filers: Parties who choose to file by paper must file an original and one copy of each filing. If more than one docket or rulemaking number appears in the caption of this proceeding, filers must submit two additional copies for each additional docket or rulemaking number.

Filings can be sent by hand or messenger delivery, by commercial overnight courier, or by first-class or overnight U.S. Postal Service mail. All filings must be addressed to the Commission's Secretary, Office of the Secretary, Federal Communications Commission.

- All hand-delivered or messenger-delivered paper filings for the Commission's Secretary must be delivered to FCC Headquarters at 445 12<sup>th</sup> St., SW, Room TW-A325, Washington, DC 20554. The filing hours are 8:00 a.m. to 7:00 p.m. All hand deliveries must be held together with rubber bands or fasteners. Any envelopes and boxes must be disposed of before entering the building.
- Commercial overnight mail (other than U.S. Postal Service Express Mail and Priority Mail) must be sent to 9300 East Hampton Drive, Capitol Heights, MD 20743.
- U.S. Postal Service first-class, Express, and Priority mail must be addressed to 445 12<sup>th</sup> Street, SW, Washington DC 20554.

People with Disabilities: To request materials in accessible formats for people with disabilities (braille, large print, electronic files, audio format), send an e-mail to [fcc504@fcc.gov](mailto:fcc504@fcc.gov) or call the Consumer & Governmental Affairs Bureau at 202-418-0530 (voice), 202-418-0432 (tty).

Parties should also send a copy of their filings to Mark Settle, Office of Engineering and Technology, Federal Communications Commission, Room 7-C115, 445 12th Street, S.W., Washington, D.C. 20554, or by e-mail to [Mark.Settle@fcc.gov](mailto:Mark.Settle@fcc.gov).

Documents in are available for public inspection and copying during business hours at the FCC Reference Information Center, Portals II, 445 12th Street, S.W., Room CY-A257, Washington, D.C. 20554.

Office of Engineering and Technology contact: Mark Settle at 202-418-1569.

By the Chief, Office of Engineering and Technology

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