

Shanghai EFIX Geomatics Co., Ltd

**Office of Engineering and Technology
Laboratory Division
Equipment Authorization Branch
Federal Communications Commission Laboratory
7435 Oakland Mills Road
Columbia, MD 21046**

Subject: Extend Frequencies Justification Original Application FCC ID: 2A3MU-EBASE

Company: Shanghai EFIX Geomatics Co., Ltd
Address: Room 1137, Area D, 11th Floor, Building 1, No. 158, Shuanglian Road,
Qingpu District, Shanghai

Dear Sir or Madam;

We, **Shanghai EFIX Geomatics Co., Ltd.** declares that the Digital radio meets 47CFR Section 90.203(j)(4) and 90.203(j)(5) spectrum efficiency requirement;
This Digital radio is support both 12.5 KHz and 25 KHz for GMSK (digital modulation;
Emission Designator: G7D for data modes, also this Digital radio designed in
accordance with ETSI TS 102 361-1 requirement, will at least support 9600 bits per
second in a 12.5 KHz channel bandwidth in a 12.5 KHz channel bandwidth and 19200
bits per second in a 25 KHz channel bandwidth, GMSK will refer 2 time slots in one 12.5
KHz bandwidth and refer 4 time slots in one 25 KHz bandwidth accordance to ETSI ETS
102 361-1.

Signature: Chu Sheng **Date:** 2023-05-31
Name: Chu Sheng
Title: CERTIFICATION MANAGER
Company: Shanghai EFIX Geomatics Co., Ltd