

Guangzhou SOUTH Surveying & Mapping Instrument Co., Ltd.
Room 301 South Building, No.24-26 Keyun Road, Tian He District, Guangzhou,
China

Date: Apr. 22, 2016

FCC ID: 2ADPC-G6

Model Number: Galaxy G6

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: 2ADPC-G6.**

Dear Sir or Madam;

This GNSS RECEIVER was designed to operate in the frequency bands 460-470MHz;

We, **Guangzhou SOUTH Surveying & Mapping Instrument Co., Ltd.** declares that the GNSS RECEIVER meets 47CFR Section 90.203(j)(4) and 90.203(j)(5) spectrum efficiency requirement;

This GNSS RECEIVER is support both 12.5 KHz (GMSK digital modulation; Emission Designator:11K0G1D for data transmission) and 25KHz (GMSK digital modulation; Emission Designator: 16K0G1D for data transmission) modes at GMSK modulation type, also this GNSS RECEIVER designed at least support 9600 bits per second 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 4 times slots in one 25 KHz channel bandwidth, which equal with $9600/2=4800$ bits/ $19200/4=4800$ per second in one 6.25 KHz channel bandwidth;

We, **Guangzhou SOUTH Surveying & Mapping Instrument Co., Ltd.** declares that the GNSS RECEIVER capable of operating on the nationwide public safety interoperability calling channel (465.550 MHz), meets 47CFR Section 90.203(j)(1) requirement;

Sincerely,

Shu Sheng Wen

(Signed)

Name/Title: Sheng Wen Shu / Manager

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